

May 28, 2009

**TestAmerica Project Number: G9A300234R**

PO/Contract: 565

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on January 30, 2009. These samples are associated with your Kettleman Hill Facility project. As requested, a full raw data package has been added to this report. In addition, some information has been added to the case narrative.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

## Table of Contents

# TestAmerica West Sacramento Project Number G9A300234

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4

    Sample Data Sheets

    Method Blank Report

    Laboratory QC Reports

Full Raw Data Package



## Case Narrative

### TestAmerica West Sacramento Project Number G9A300234R

#### General Comments

As requested, samples 1-3 were analyzed on a dissimilar phase column which is able to separate the co-eluting PCB congener pairs 105/127 & 118/106. The analyses confirmed that the PCB congeners present in the samples were indeed PCB 105 & PCB 118 (as applicable). Note: The C footnote has still been applied to the data since the results are being reported from the column that is not able to uniquely distinguish between these congener pairs.

#### AIR, 1668, WHO PCB congeners

Sample: 1

This sample has a high recovery for the 13C12-PCB-126 internal standard due to matrix interferences. A high internal standard may indicate a low bias in the associated sample result. Since the result for PCB126 was 'ND' well below the detection limit, no corrective action was performed. There should be no impact on the data.

There are no other anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0616	Oregon*	CA 200005
Arkansas	04-067-0	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014002
Colorado	NA	Texas	TX 270-2004A
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C087
Hawaii	NA	West Virginia	9930C, 334
Kansas*	E10375	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 9/21/07

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G9A300234

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
K6HW4	1	JAN09-UMSI-TO9A	1/29/2009	1/30/2009 09:20 AM
K6HXD	2	JAN09-DMSI-TO9A	1/29/2009	1/30/2009 09:20 AM
K6HXE	3	JAN09-MPS-TO9A	1/29/2009	1/30/2009 09:20 AM
K6HXF	4	JAN09-FB-TO9A	1/29/2009	1/30/2009 09:20 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Sampler ID \_\_\_\_\_  
 Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124-280 (0508)

Client: **Chem Waste Mgmt**  
 Address: **35251 Old Skyline Rd**  
 City: **Kettleman Hills** State: **CA** Zip Code: **93239**  
 Project Name and Location (State): **KHF**  
 Contract/Purchase Order/Quote No.: **565**

Project Manager: **Paul Turek**  
 Telephone Number (Area Code)/Fax Number: **559-386-6151**  
 Date: **1/29/09**  
 Chain of Custody Number: **108901**  
 Page: **1** of **1**

Site Contact: **Rob Fadden** Lab Contact: **Karen Dahl**  
 Carrier/Waybill Number: **Fed Ex**

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Special Instructions/ Conditions of Receipt	
			Aqueous	Sed.	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc		
Jan09-Ums1-T09A	Jan 2009	N/A	X										
Jan09-Dms1-T09A													
Jan09-Ims1-T09A													
Jan09-FB-T09A													

Possible Hazard Identification:  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other

QC Requirements (Specify):

1. Relinquished By: **R. Fadden** Date: **1/29/09** Time: **1700**  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: **C. Kengle** Date: **1/30/09** Time: **1010**  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **Billina and reporting Wenck Associates**  
 DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample, PINK - Field Copy

CLIENT @ least waste mgmt. PM RD LOG # 56668

LOT# (QUANTIMS ID) G9A300234 QUOTE# 81307 LOCATION WILD

DATE RECEIVED 1/30/09 TIME RECEIVED 0920 Initials CV Date 1/30/09

DELIVERED BY  FEDEX  CA OVERNIGHT  CLIENT  
 AIRBORNE  GOLDENSTATE  DHL  
 UPS  BAX GLOBAL  GO-GETTERS  
 TAL COURIER  VALLEY LOGISTICS  MORGAN HILL COURIER  
 OTHER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) 250175

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER \_\_\_\_\_

COC #(S) 108901

TEMPERATURE BLANK Observed: NA Corrected: \_\_\_\_\_

SAMPLE TEMPERATURE  
Observed: 3 Average: 3 Corrected Average: 3

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING  
WETCHEM  N/A  
VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)\*1  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Notes: \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Lot

ID:

G9A300234

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF	/	/	/	/																
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

# AIR, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: JAN09-UMSI-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9A300234-001    Work Order #...: K6HW41AA    Matrix.....: AIR  
 Date Sampled...: 01/29/09    Date Received...: 01/30/09  
 Prep Date.....: 02/02/09    Analysis Date...: 02/18/09  
 Prep Batch #...: 9034255  
 Dilution Factor: 5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>1200 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	108	(25 - 150)
13C12-PCB 81	103	(25 - 150)
13C12-PCB 118	129	(25 - 150)
13C12-PCB 114	131	(25 - 150)
13C12-PCB 105	143	(25 - 150)
13C12-PCB 126	165 *	(25 - 150)
13C12-PCB 167	82	(25 - 150)
13C12-PCB 156	88	(25 - 150)
13C12-PCB 157	85	(25 - 150)
13C12-PCB 169	88	(25 - 150)
13C12-PCB 180	101	(25 - 150)
13C12-PCB 170	103	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	79	(25 - 150)

**NOTE(S) :**

- C Co-eluting isomer.
- \* Surrogate recovery is outside stated control limits.



Wenck Associates, Inc.

Client Sample ID: JAN09-DMSI-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9A300234-002    Work Order #...: K6HXD1AA    Matrix.....: AIR  
 Date Sampled...: 01/29/09    Date Received...: 01/30/09  
 Prep Date.....: 02/02/09    Analysis Date...: 02/18/09  
 Prep Batch #...: 9034255  
 Dilution Factor: 5

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>2700 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>6100 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	90	(25 - 150)
13C12-PCB 81	89	(25 - 150)
13C12-PCB 118	106	(25 - 150)
13C12-PCB 114	121	(25 - 150)
13C12-PCB 105	127	(25 - 150)
13C12-PCB 126	136	(25 - 150)
13C12-PCB 167	81	(25 - 150)
13C12-PCB 156	83	(25 - 150)
13C12-PCB 157	88	(25 - 150)
13C12-PCB 169	91	(25 - 150)
13C12-PCB 180	98	(25 - 150)
13C12-PCB 170	101	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	80	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: JAN09-MPS-T09A

Trace Level Organic Compounds

Lot-Sample #....: G9A300234-003    Work Order #....: K6HXE1AA    Matrix.....: AIR  
 Date Sampled....: 01/29/09    Date Received...: 01/30/09  
 Prep Date.....: 02/02/09    Analysis Date...: 02/18/09  
 Prep Batch #....: 9034255  
 Dilution Factor: 5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>2100 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>5500 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	86	(25 - 150)
13C12-PCB 81	82	(25 - 150)
13C12-PCB 118	104	(25 - 150)
13C12-PCB 114	110	(25 - 150)
13C12-PCB 105	114	(25 - 150)
13C12-PCB 126	129	(25 - 150)
13C12-PCB 167	81	(25 - 150)
13C12-PCB 156	83	(25 - 150)
13C12-PCB 157	85	(25 - 150)
13C12-PCB 169	88	(25 - 150)
13C12-PCB 180	93	(25 - 150)
13C12-PCB 170	92	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	89	(25 - 150)

**NOTE(S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: JAN09-PB-T09A

Trace Level Organic Compounds

Lot-Sample #....: G9A300234-004    Work Order #....: K6HXF1AA    Matrix.....: AIR  
 Date Sampled....: 01/29/09    Date Received...: 01/30/09  
 Prep Date.....: 02/02/09    Analysis Date...: 02/17/09  
 Prep Batch #....: 9034255  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	47	(25 - 150)
13C12-PCB 81	45	(25 - 150)
13C12-PCB 118	71	(25 - 150)
13C12-PCB 114	73	(25 - 150)
13C12-PCB 105	81	(25 - 150)
13C12-PCB 126	92	(25 - 150)
13C12-PCB 167	105	(25 - 150)
13C12-PCB 156	113	(25 - 150)
13C12-PCB 157	113	(25 - 150)
13C12-PCB 169	117	(25 - 150)
13C12-PCB 180	113	(25 - 150)
13C12-PCB 170	115	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	82	(25 - 150)

# QC DATA ASSOCIATION SUMMARY

G9A300234

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9034255	
002	AIR	EPA-14 1668		9034255	
003	AIR	EPA-14 1668		9034255	
004	AIR	EPA-14 1668		9034255	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9A300234      Work Order #...: K6L2X1AA      Matrix.....: AIR  
 MB Lot-Sample #: G9B030000-255  
 Prep Date.....: 02/02/09  
 Analysis Date...: 02/17/09      Prep Batch #...: 9034255  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	81	(25 - 150)
13C12-PCB 81	78	(25 - 150)
13C12-PCB 118	91	(25 - 150)
13C12-PCB 114	94	(25 - 150)
13C12-PCB 105	100	(25 - 150)
13C12-PCB 126	115	(25 - 150)
13C12-PCB 167	88	(25 - 150)
13C12-PCB 156	92	(25 - 150)
13C12-PCB 157	94	(25 - 150)
13C12-PCB 169	99	(25 - 150)
13C12-PCB 180	101	(25 - 150)
13C12-PCB 170	104	(25 - 150)

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 111	82	(25 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9A300234      Work Order #...: K6L2X1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9B030000-255  
 Prep Date.....: 02/02/09      Analysis Date...: 02/17/09  
 Prep Batch #...: 9034255  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	3410	pg	85	EPA-14 1668
PCB 81 (BZ)	4000	3490	pg	87	EPA-14 1668
PCB 105 (BZ)	4000	3580	pg	89	EPA-14 1668
PCB 114 (BZ)	4000	3640	pg	91	EPA-14 1668
PCB 118 (BZ)	4000	3710	pg	93	EPA-14 1668
PCB 123 (BZ)	4000	3580	pg	90	EPA-14 1668
PCB 126 (BZ)	4000	3570	pg	89	EPA-14 1668
PCB 156 (BZ)	4000	3940	pg	99	EPA-14 1668
PCB 157 (BZ)	4000	3770	pg	94	EPA-14 1668
PCB 167 (BZ)	4000	4020	pg	100	EPA-14 1668
PCB 169 (BZ)	4000	3880	pg	97	EPA-14 1668
PCB 189 (BZ)	4000	3790	pg	95	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	73	(25 - 150)
13C12-PCB 81	68	(25 - 150)
13C12-PCB 118	78	(25 - 150)
13C12-PCB 114	86	(25 - 150)
13C12-PCB 105	87	(25 - 150)
13C12-PCB 126	111	(25 - 150)
13C12-PCB 167	85	(25 - 150)
13C12-PCB 156	88	(25 - 150)
13C12-PCB 157	92	(25 - 150)
13C12-PCB 169	97	(25 - 150)
13C12-PCB 180	98	(25 - 150)
13C12-PCB 170	103	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G9A300234      Work Order #...: K6L2X1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9B030000-255  
 Prep Date.....: 02/02/09      Analysis Date...: 02/17/09  
 Prep Batch #...: 9034255  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	85	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	87	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	89	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	91	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	93	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	90	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	89	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	99	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	94	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	100	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	97	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	95	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	73	(25 - 150)
13C12-PCB 81	68	(25 - 150)
13C12-PCB 118	78	(25 - 150)
13C12-PCB 114	86	(25 - 150)
13C12-PCB 105	87	(25 - 150)
13C12-PCB 126	111	(25 - 150)
13C12-PCB 167	85	(25 - 150)
13C12-PCB 156	88	(25 - 150)
13C12-PCB 157	92	(25 - 150)
13C12-PCB 169	97	(25 - 150)
13C12-PCB 180	98	(25 - 150)
13C12-PCB 170	103	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results  
 Bold print denotes control parameters

# AIR, 1668, WHO PCB congeners



# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

Method ID 1668

Lot # G9A300234

Analyst (Print Name) Mark Grandfield

Analyst Initials MG

Date 2/17/09

<u>Sample#</u>	<u>Original F.V. (uL)</u>	<u>Aliquot (uL)</u>	<u>Dilution F.V. (uL)</u>	<u>Dilution Factor</u>
1	20	4.0	20	5x
2	↓	4.0	20	↓
3	↓	4.0	20	↓

Comments:

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Run text: K6L2X-1-AA      Sample text: K6L2X-1-AA :G9B030000-255B  
 Run #23 Filename: 16FE099D5 S: 21 I: 1      Results: 16FE099D51668MSLDEC  
 Acquired: 17-FEB-09 04:30:32      Processed: 17-FEB-09 09:28:47  
 Run: 16FE099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000Sample

*RI=1000*

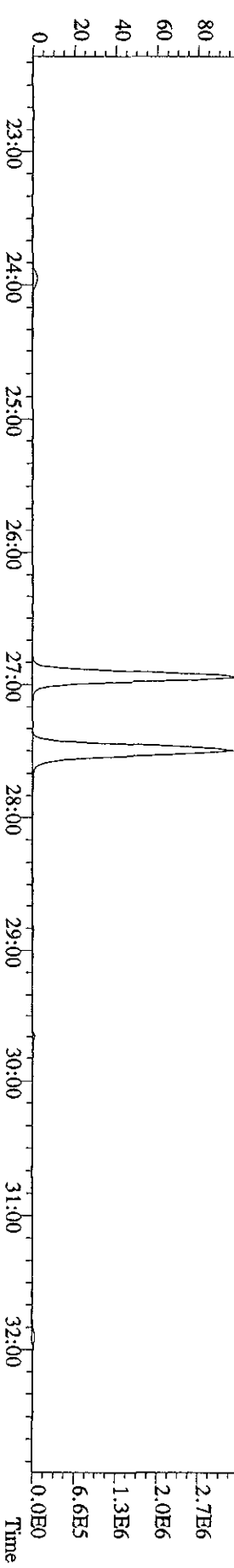
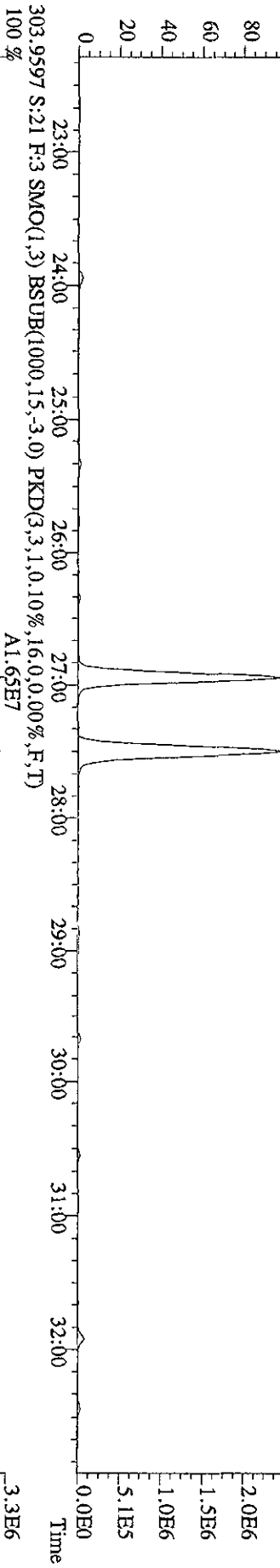
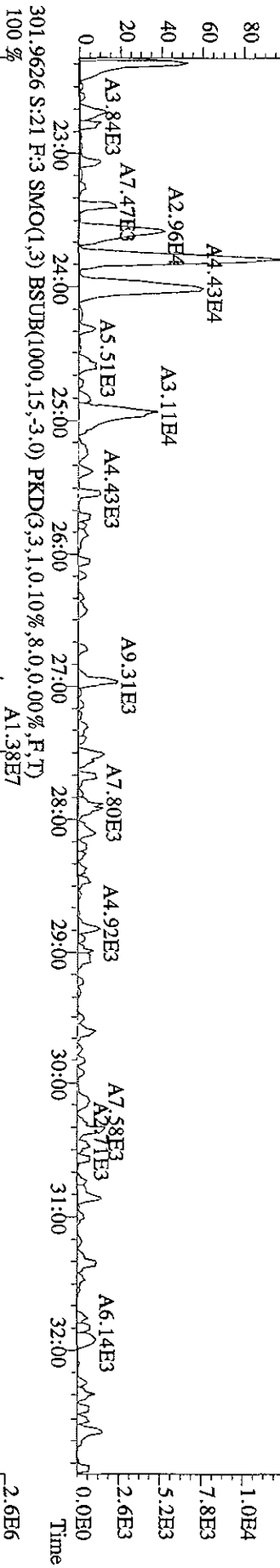
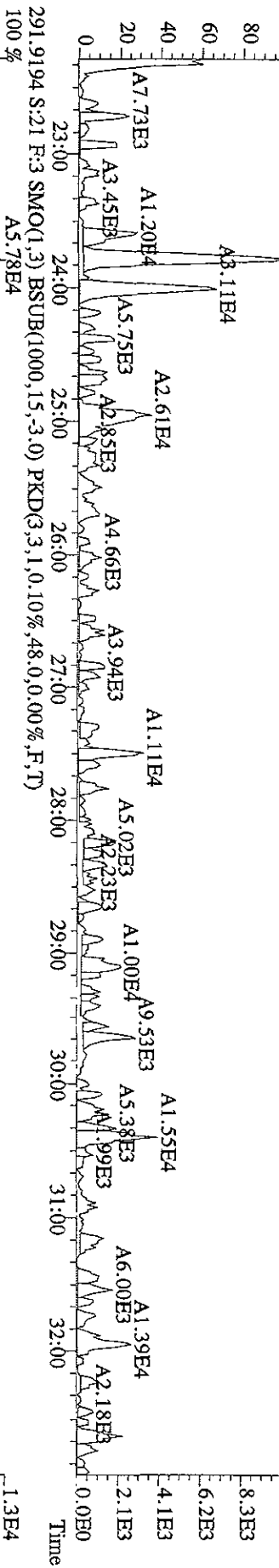
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	39239000	0.66 y	25:20	-	32.10	-	-	n
13C-TCB-81	28955300	0.76 y	26:57	0.95	3115.93	0.03	77.9	n
TCB-81	7896	0.37 n	26:56	1.28	0.85	0.85	-	n
13C-TCB-77	31271100	0.79 y	27:30	0.98	3244.86	0.03	81.1	n
TCB-77	15005	1.31 n	27:30	1.10	1.74	0.99	-	n
13C-PeCB-123	33245700	0.66 y	28:52	0.87	3888.89	3.96	97.2	n
PeCB-123	13204	1.77 n	28:52	1.51	1.05	2.45	-	n
13C-PeCB-118	35320900	0.66 y	29:01	0.98	3657.15	3.51	91.4	n
PeCB-118/106	122805	0.58 y	29:01	1.53	9.10	2.68	-	n
13C-PeCB-114	35629000	0.67 y	29:40	0.97	3758.52	3.57	94.0	n
PeCB-114	*	* n	NotFnd	1.59	*	1.77	-	n
13C-PeCB-105	35088500	0.68 y	30:32	0.90	3986.55	3.85	99.7	n
PeCB-105/127	16843	0.37 n	30:33	1.42	1.35	2.23	-	n
13C-PeCB-126	41157800	0.66 y	32:27	0.91	4602.89	3.79	115.1	n
PeCB-126	*	* n	NotFnd	1.17	*	2.41	-	n
13C-OcCB-202	48459000	0.93 y	34:41	-	37.66	-	-	n
13C-HxCB-167	36024400	1.26 y	33:33	0.84	3533.41	7.12	88.3	n
HxCB-167	7479	1.92 n	33:37	1.17	0.71	1.02	-	n
13C-HxCB-156	30000700	1.26 y	34:51	0.67	3694.87	8.94	92.4	n
HxCB-156	*	* n	NotFnd	1.45	*	0.93	-	n
13C-HxCB-157	32246300	1.26 y	35:10	0.71	3765.72	8.48	94.1	n
HxCB-157	*	* n	NotFnd	1.45	*	0.87	-	n
13C-HxCB-169	35174900	1.29 y	37:03	0.73	3958.39	8.17	99.0	n
HxCB-169	3438	1.76 n	37:02	0.99	0.40	1.34	-	n
13C-HpCB-180	28692600	1.03 y	35:48	0.58	4051.18	4.09	101.3	n
HpCB-180	81933	1.27 n	35:49	1.27	9.03	4.21	-	n
13C-HpCB-170	23859100	1.01 y	37:27	0.47	4151.29	5.04	103.8	n
HpCB-170/190	*	* n	NotFnd	1.61	*	3.97	-	n
13C-HpCB-189	32241200	1.02 y	39:06	0.60	4446.45	4.00	111.2	n
HpCB-189	*	* n	NotFnd	1.21	*	4.25	-	n
13C-DeCB-209	22680980	0.72 y	44:02	0.46	4068.52	0.04	101.7	n
DECB-209	23932	0.42 n	44:02	1.50	2.80	0.07	-	n
13C-PeCB-111	38613700	0.63 y	26:48	1.36	3269.46	3.46	81.7	n

*CPE*

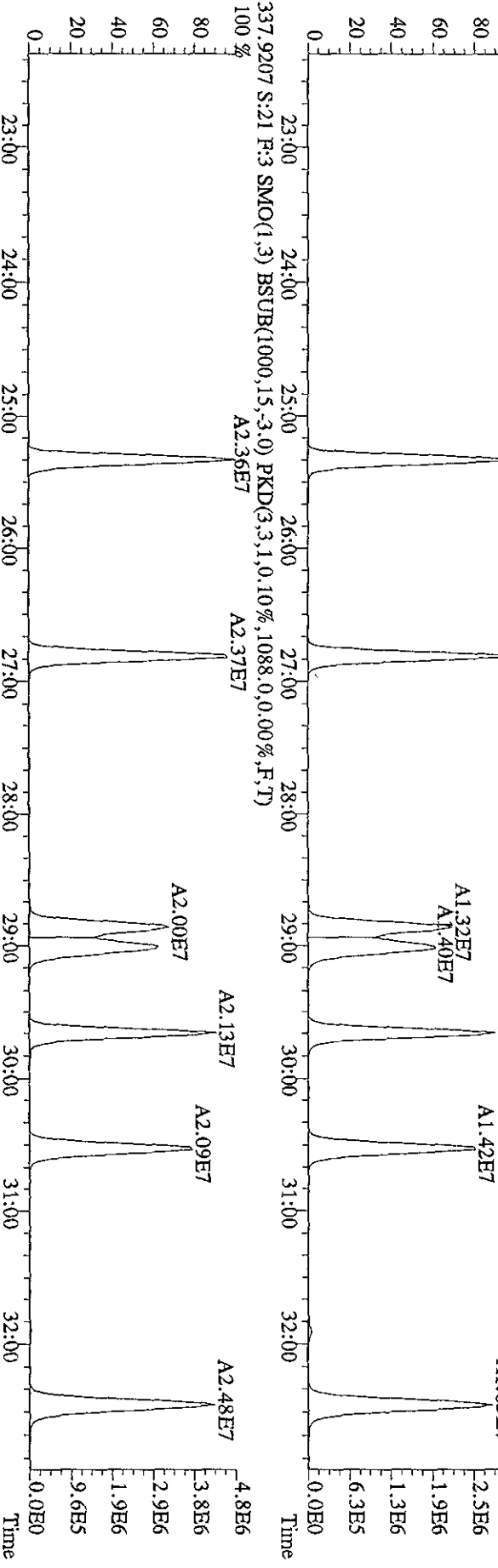
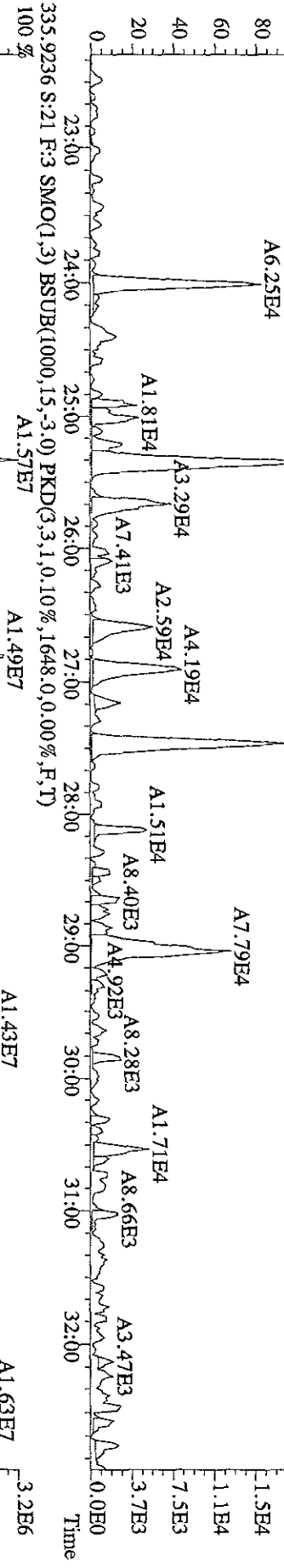
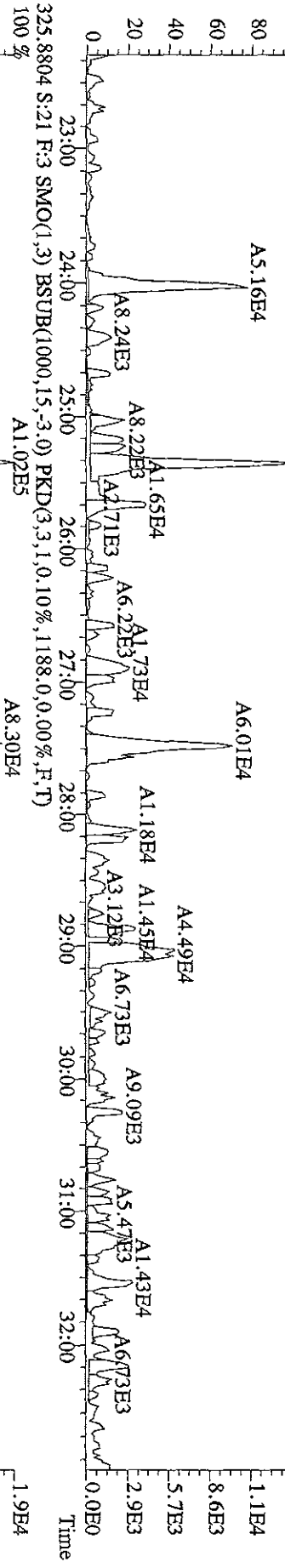


*Sh 2/20/09*

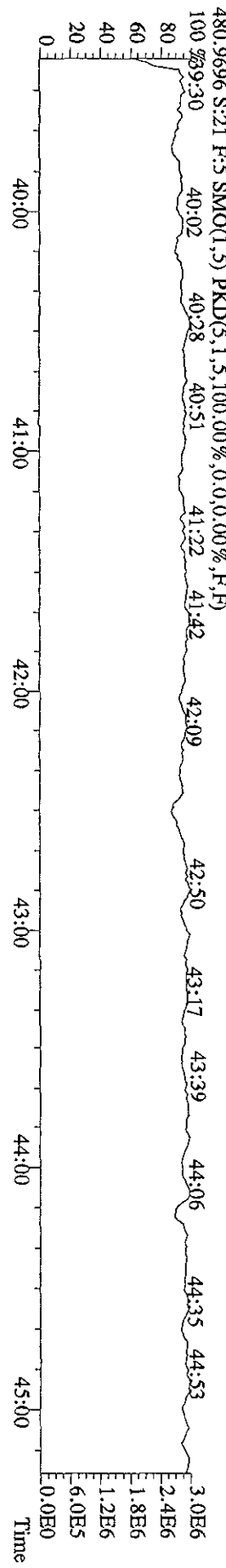
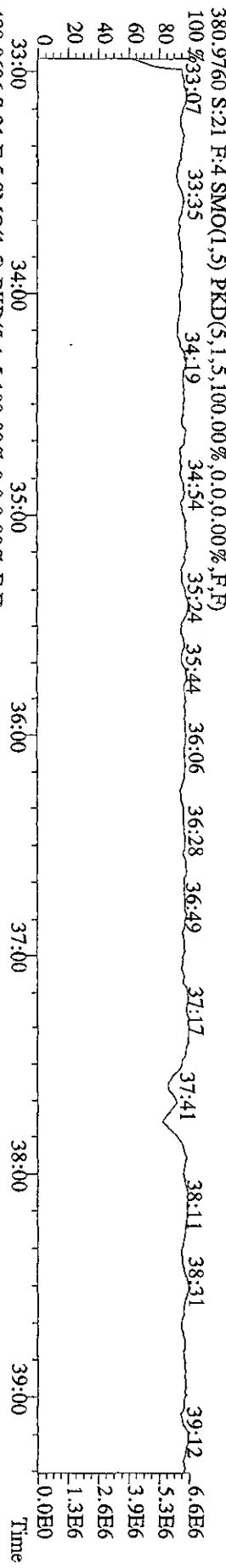
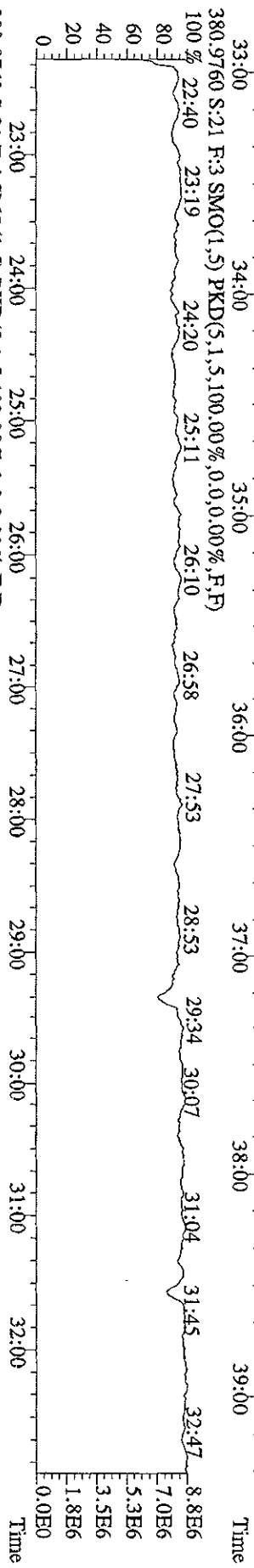
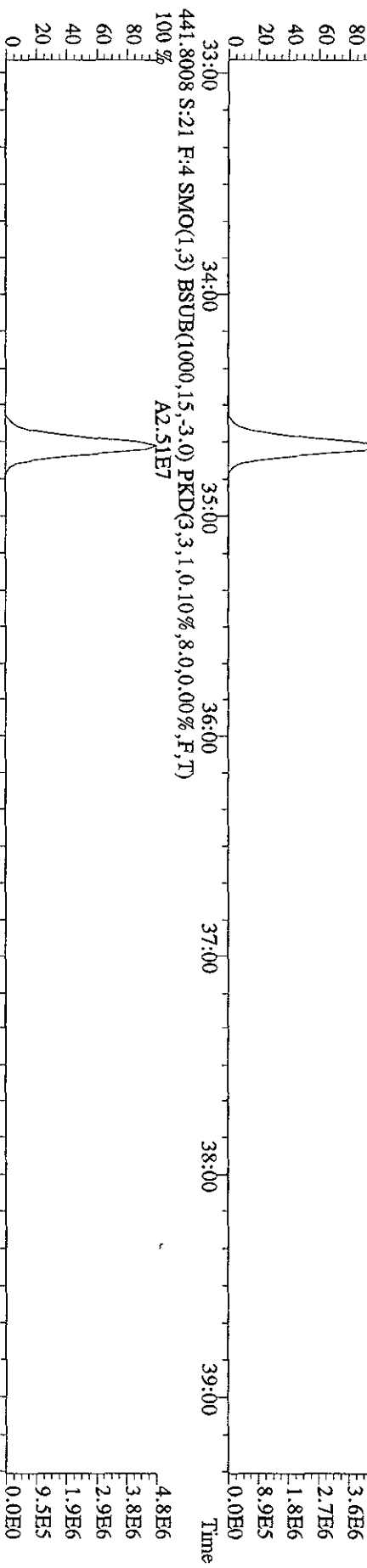
File:16FEE099D5 #1-599 Acq:17-FEB-2009 04:30:32 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#21 Text:K6L2X-1-AA :G9B030000-255B Exp:209DB5  
 289.9224 S:21 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,584.0,0.00%,F,T)  
 100 % A4.90E4

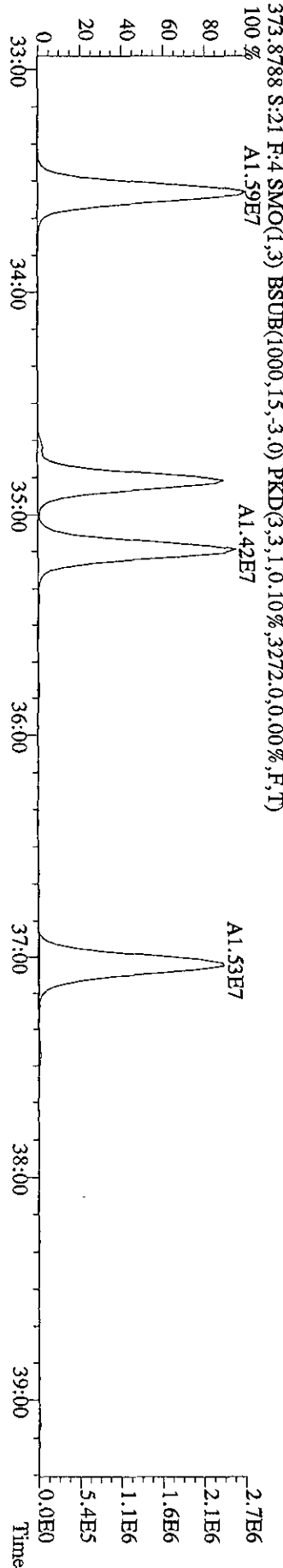
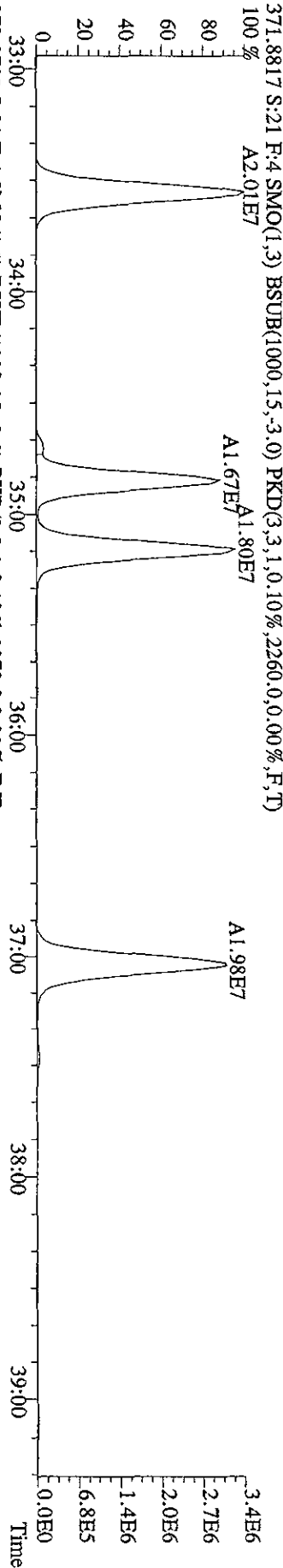
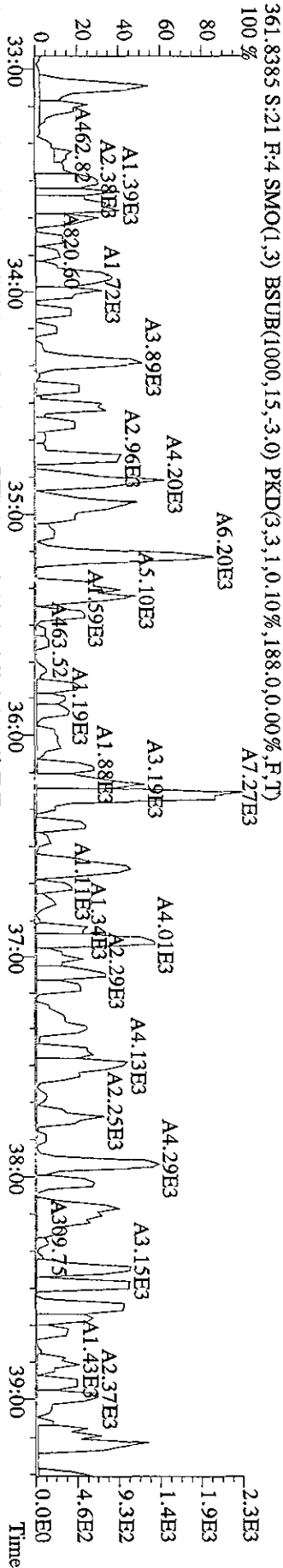
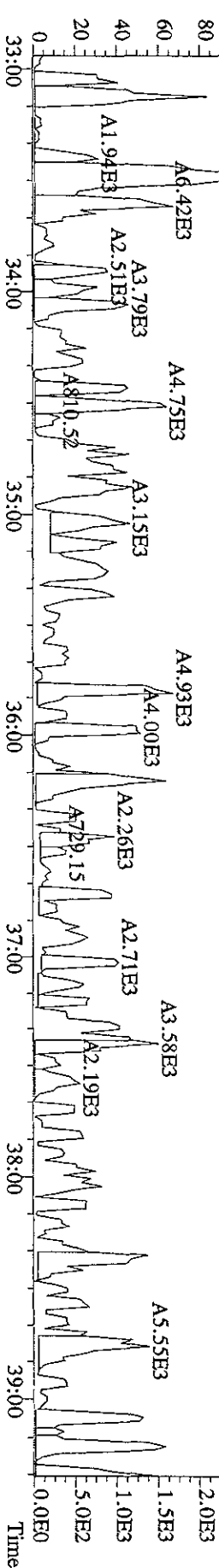


File:16REP099D5 #1-599 Acq:17-FEB-2009 04:30:32 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#21 Text:K6L2X-1-AA :G9B030000-255B Exp:209DB5  
 323.8834 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,812,0,0,00%,F,T)  
 100%



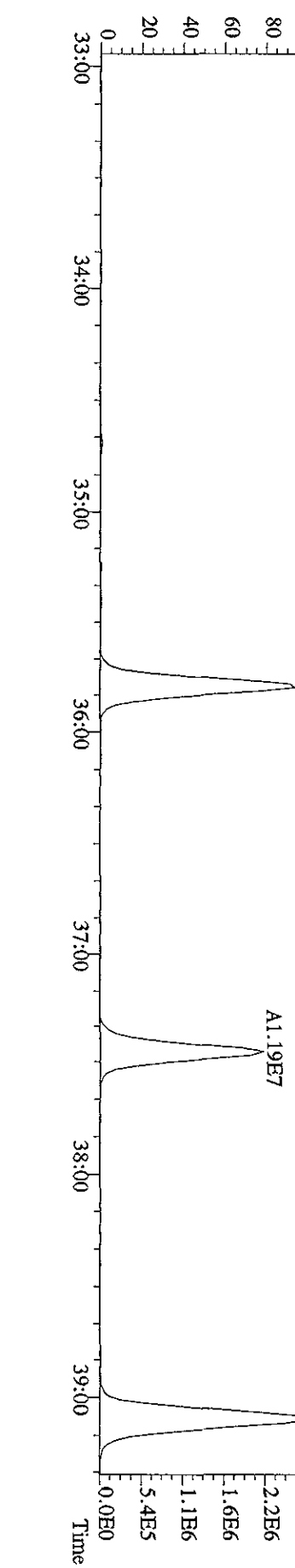
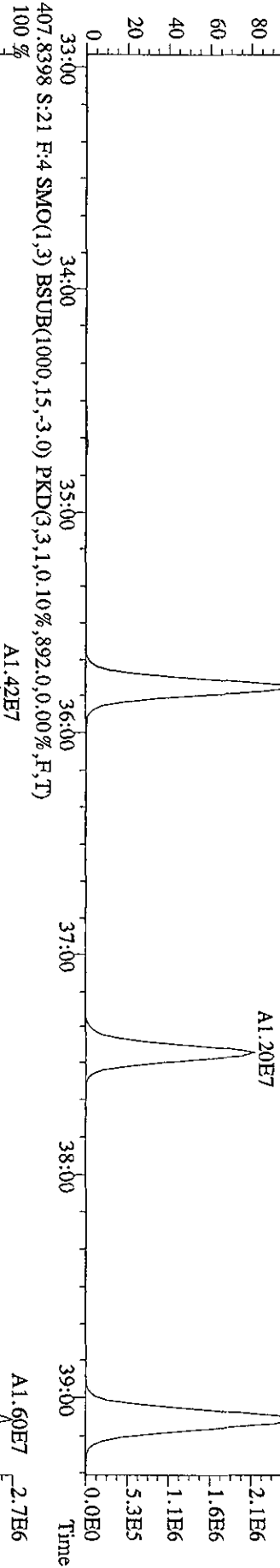
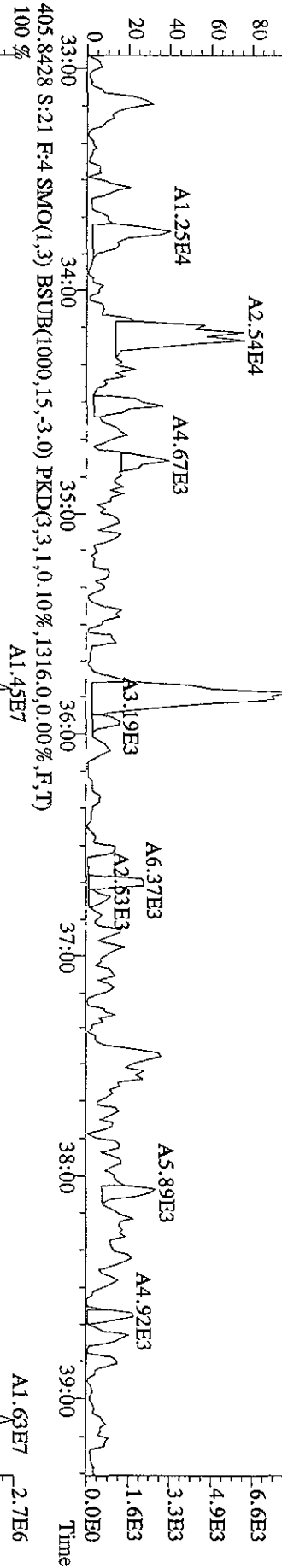
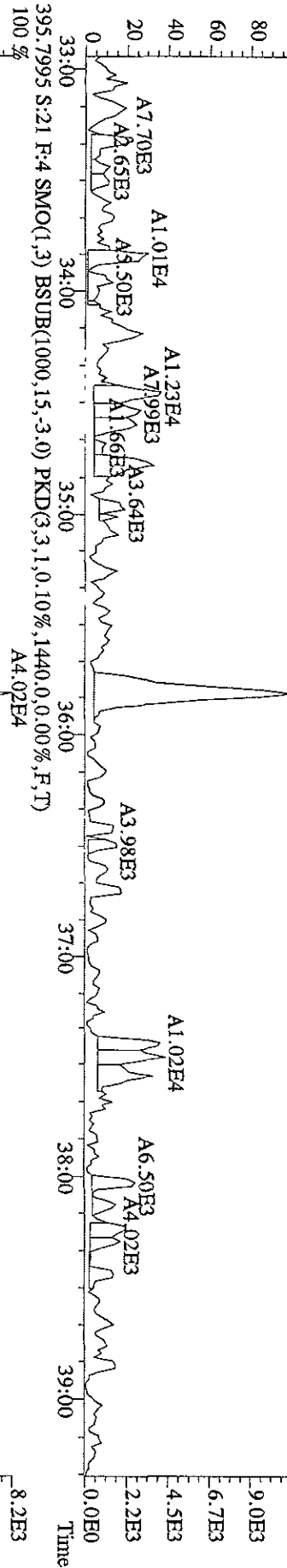
File: 16FEB099D5 #1-391 Acq: 17-FEB-2009 04:30:32 GC FI + Voltage SIR Autospec-UltimaB  
 Sample#21 Text: K6L2X-1-AA : G9B030000-255B Exp: 209DB5  
 439.8038 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,20,0,0.00%,F,T)  
 A2.34E7



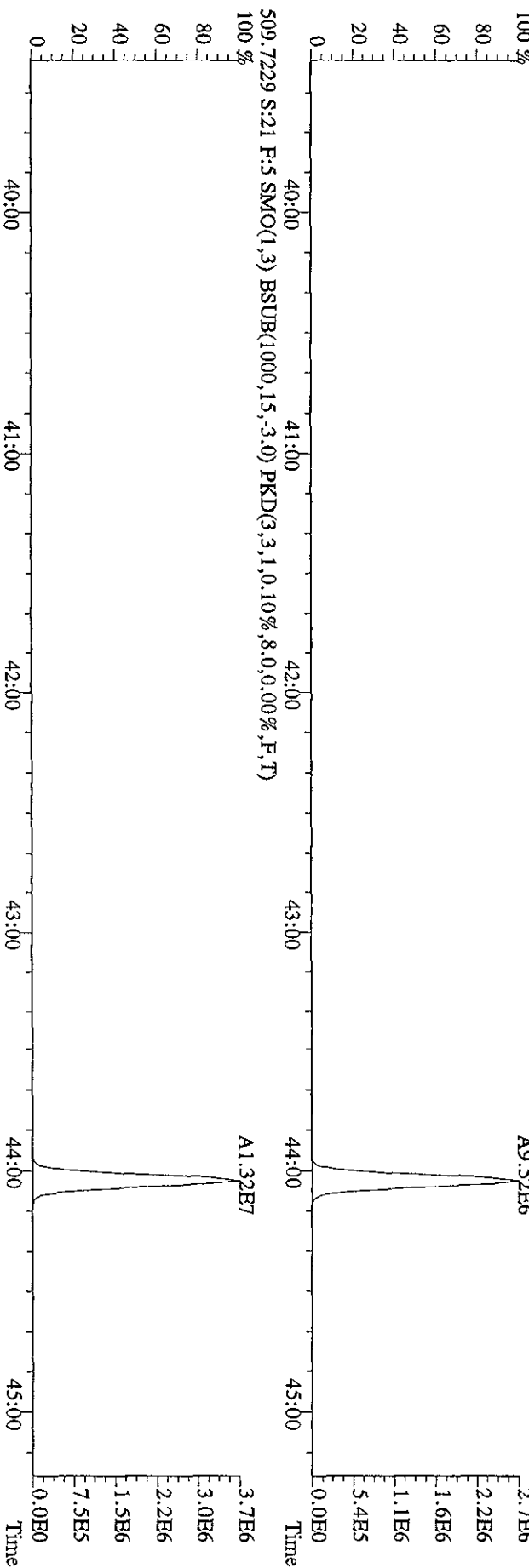
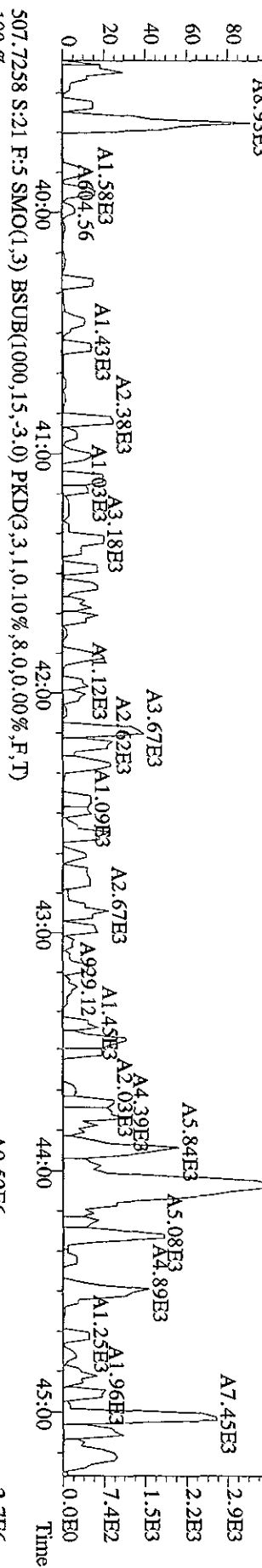
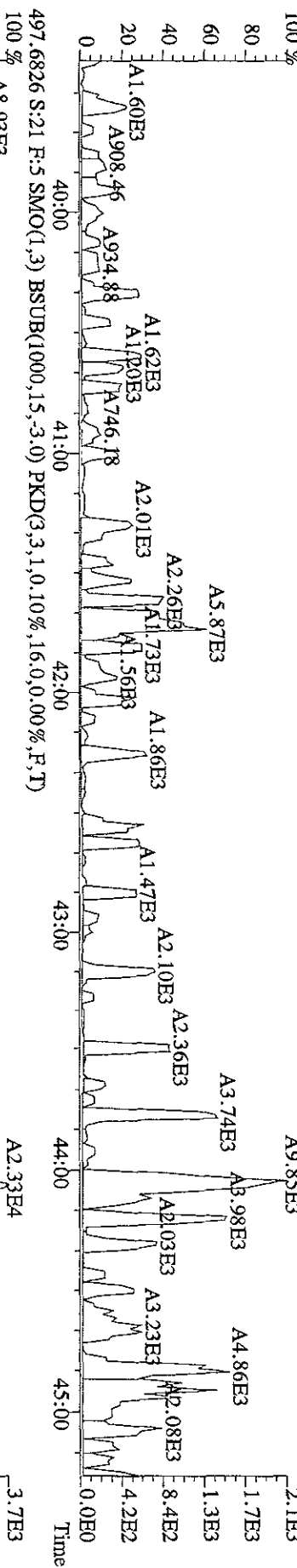




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 Sample#21 Text:K6L2X-1-AA :G9B030000-255B Exp:209DB5  
 393.8025 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1312.0,0.00%,F,T)



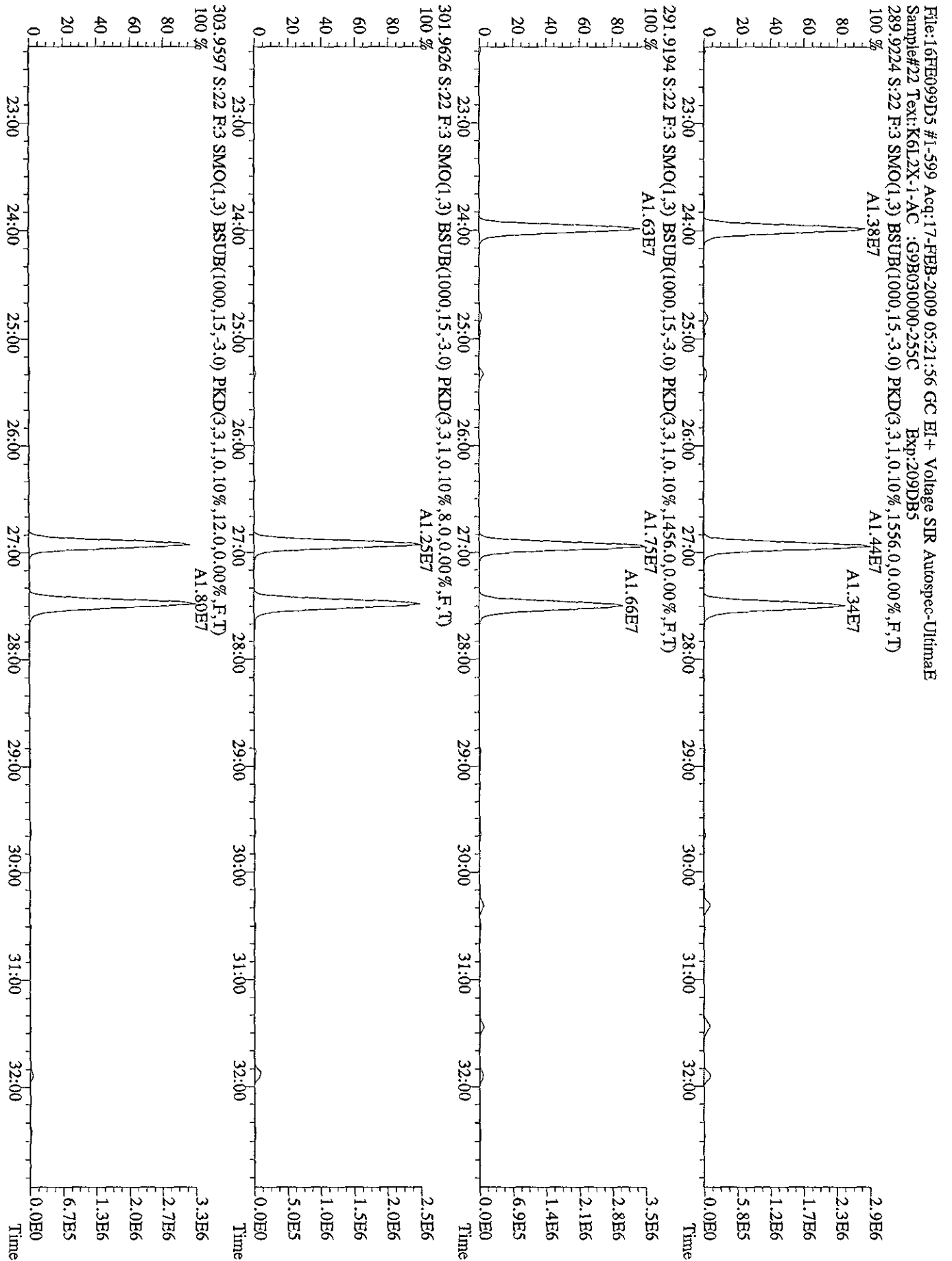
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 Sample#21 Text: K6L2X-1-AA : G9B030000-255B Exp: 209DB5  
 495.6856 S:21 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,52.0,0.00%,F,T)



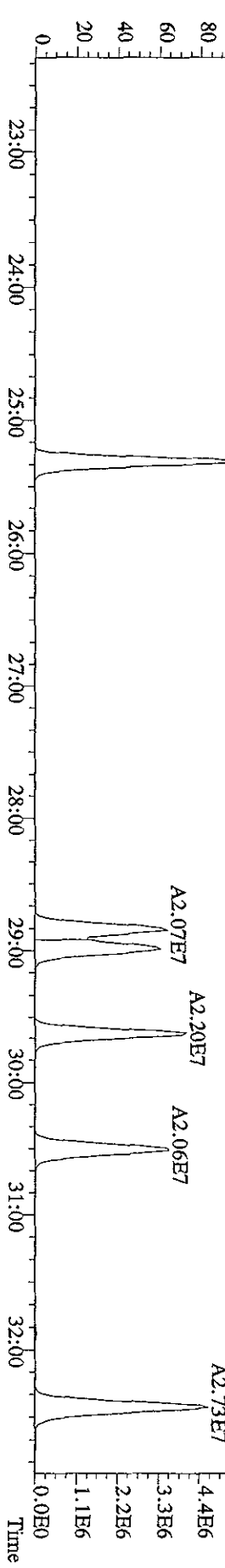
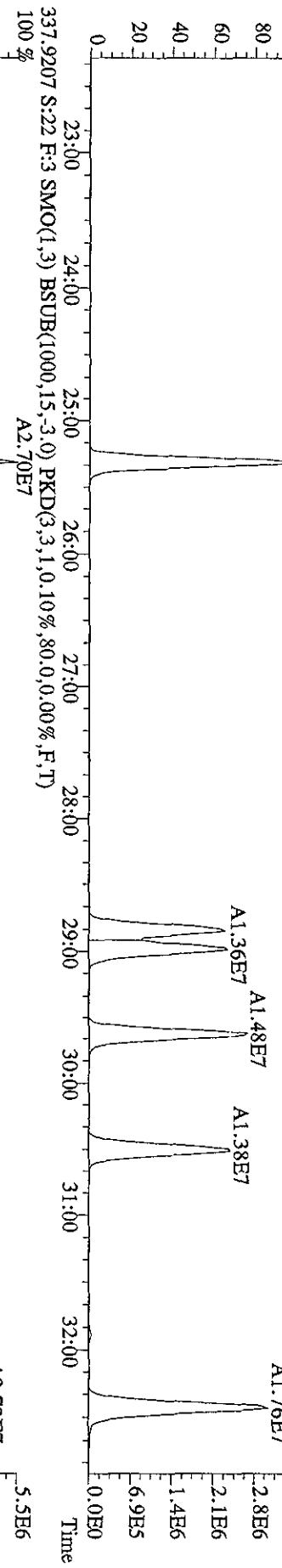
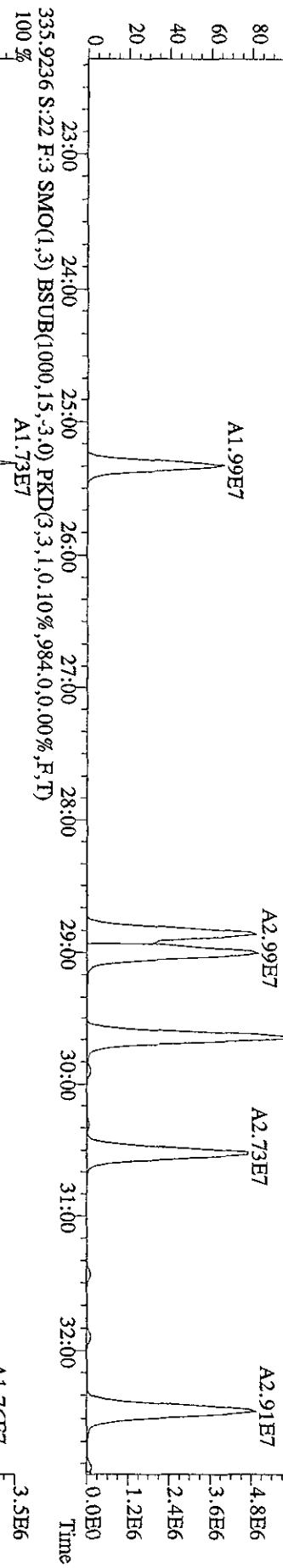
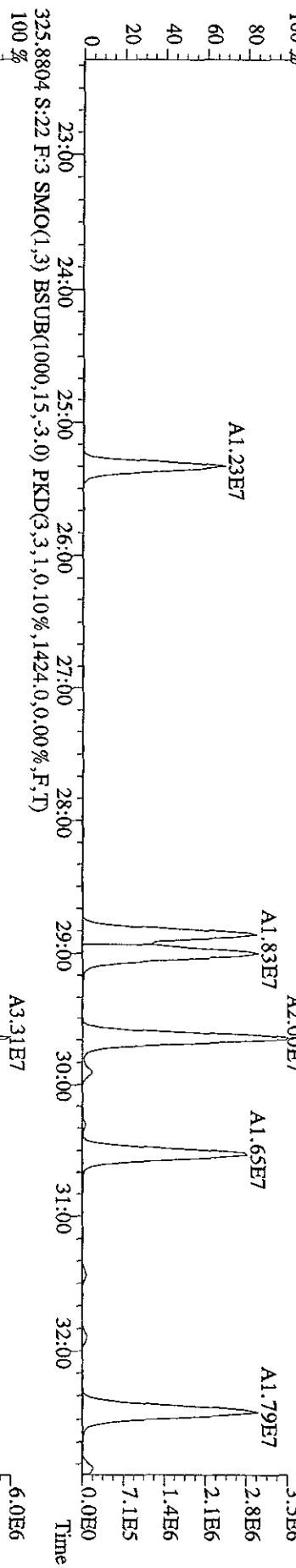
Run text: K6L2X-1-AC      Sample text: K6L2X-1-AC :G9B030000-255C  
 Run #24 Filename: 16FE099D5    S: 22    I: 1      Results: 16FE099D51668MSLDEC  
 Acquired: 17-FEB-09    05:21:56      Processed: 17-FEB-09    09:28:48  
 Run: 16FE099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000Sample

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	44281300	0.64 y	25:19	-	36.22	-	-	n
13C-TCB-81	28610400	0.77 y	26:56	0.95	2728.23	0.02	68.2	n
TCB-81	31937800	0.83 y	26:57	1.28	3493.13	4.11	-	n
13C-TCB-77	31879400	0.77 y	27:29	0.98	2931.30	0.02	73.3	n
TCB-77	30030900	0.81 y	27:30	1.10	3414.82	4.70	-	n
13C-PeCB-123	34247700	0.65 y	28:51	0.87	3549.93	1.37	88.7	n
PeCB-123	46310700	0.60 y	28:52	1.51	3584.41	3.39	-	n
13C-PeCB-118	34003900	0.67 y	28:59	0.98	3119.87	1.21	78.0	n
PeCB-118/106	48251500	0.61 y	29:00	1.53	3714.59	3.40	-	n
13C-PeCB-114	36793000	0.68 y	29:38	0.97	3439.35	1.23	86.0	n
PeCB-114	53138900	0.60 y	29:39	1.59	3643.77	2.80	-	n
13C-PeCB-105	34375400	0.67 y	30:31	0.90	3460.81	1.33	86.5	n
PeCB-105/127	43730400	0.60 y	30:32	1.42	3577.83	3.51	-	n
13C-PeCB-126	44930600	0.64 y	32:26	0.91	4452.64	1.31	111.3	n
PeCB-126	47054300	0.61 y	32:27	1.17	3570.59	3.31	-	n
13C-OcCB-202	56400200	0.91 y	34:40	-	43.83	-	-	n
13C-HxCB-167	40233600	1.27 y	33:32	0.84	3390.62	3.79	84.8	n
HxCB-167	47247700	1.27 y	33:33	1.17	4018.73	7.05	-	n
13C-HxCB-156	33356800	1.28 y	34:51	0.67	3529.77	4.76	88.2	n
HxCB-156	47764800	1.28 y	34:52	1.45	3944.02	6.71	-	n
13C-HxCB-157	36576200	1.22 y	35:09	0.71	3669.95	4.52	91.7	n
HxCB-157	49869400	1.26 y	35:11	1.45	3770.46	5.91	-	n
13C-HxCB-169	40233000	1.27 y	37:02	0.73	3890.11	4.35	97.3	n
HxCB-169	38584400	1.27 y	37:03	0.99	3878.05	9.28	-	n
13C-HpCB-180	32390000	1.01 y	35:47	0.58	3929.31	2.04	98.2	n
HpCB-180	39246500	1.05 y	35:48	1.27	3830.78	2.60	-	n
13C-HpCB-170	27488900	1.00 y	37:26	0.47	4109.41	2.52	102.7	n
HpCB-170/190	41120400	1.06 y	37:28	1.61	3724.75	2.52	-	n
13C-HpCB-189	37810200	1.00 y	39:06	0.60	4480.27	1.99	112.0	n
HpCB-189	43245200	1.07 y	39:07	1.21	3792.31	2.57	-	n
13C-DeCB-209	27388900	0.72 y	44:02	0.46	4221.27	0.06	105.5	n
DECB-209	38239200	0.70 y	44:03	1.50	3711.38	0.04	-	n
13C-PeCB-111		* * n	NotFnd	1.36		1.31	*	n

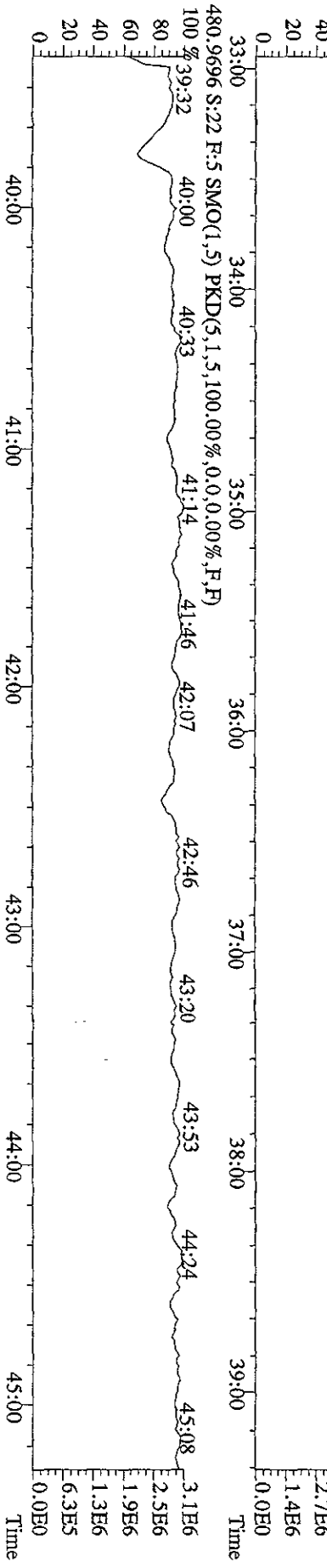
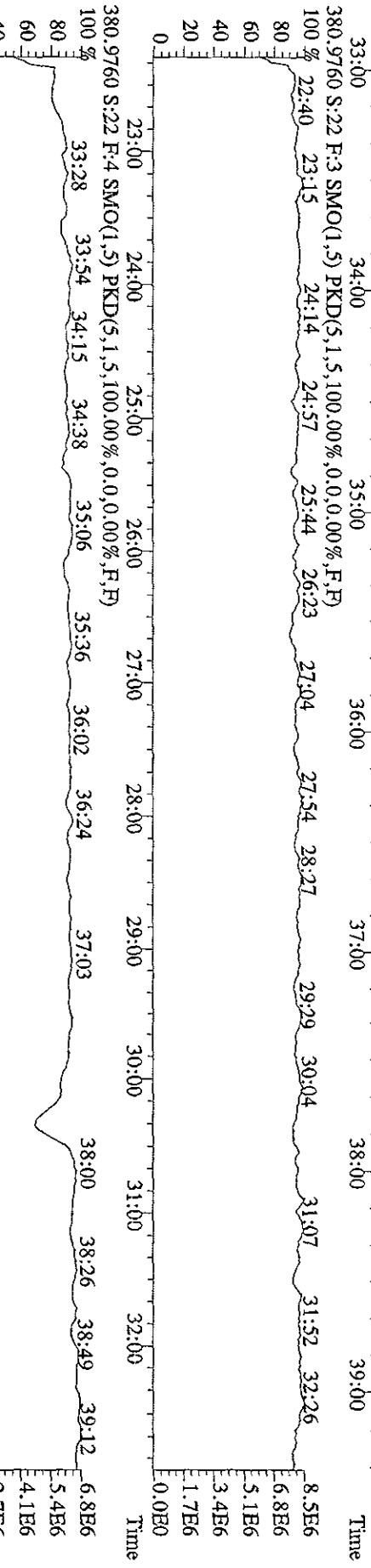
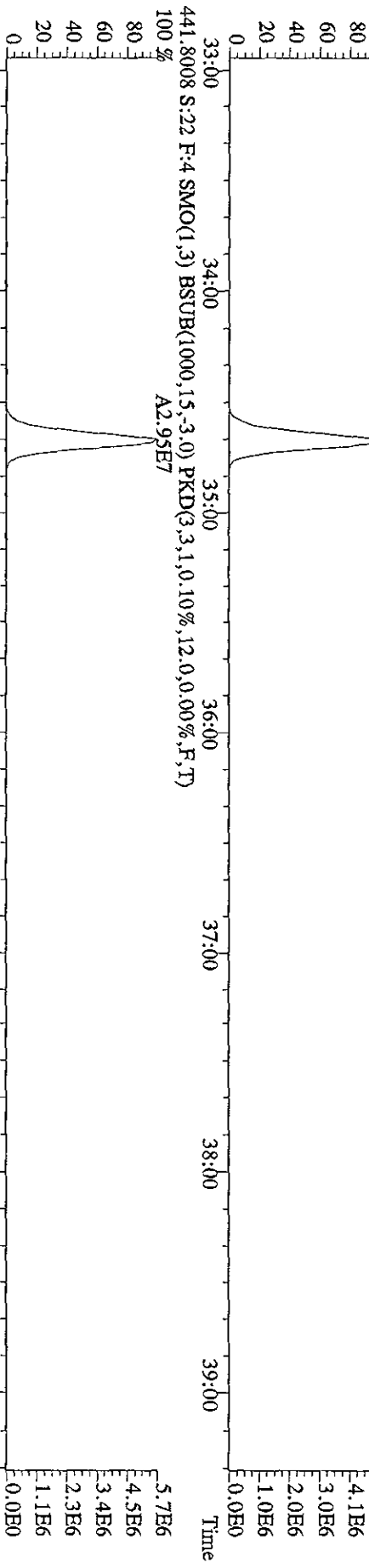
*Su 2/20/09*



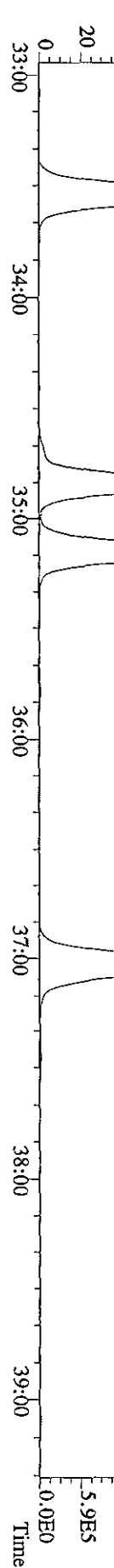
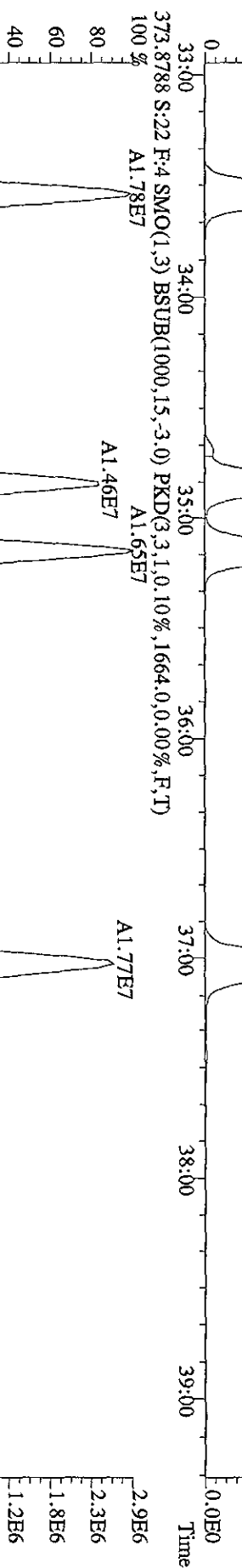
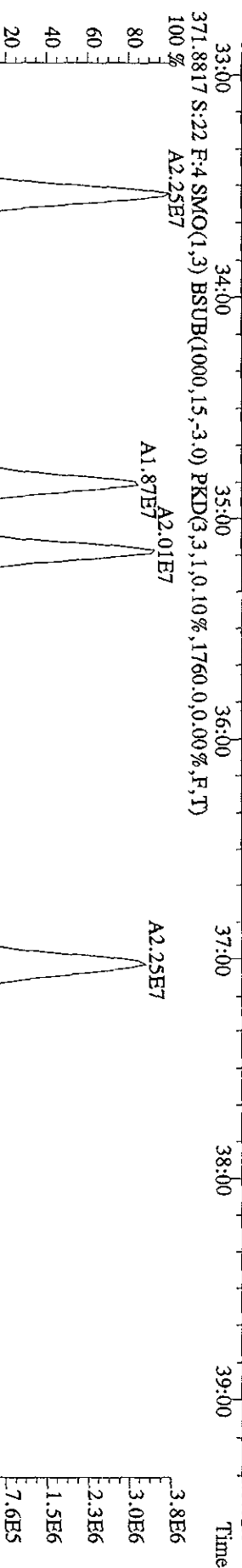
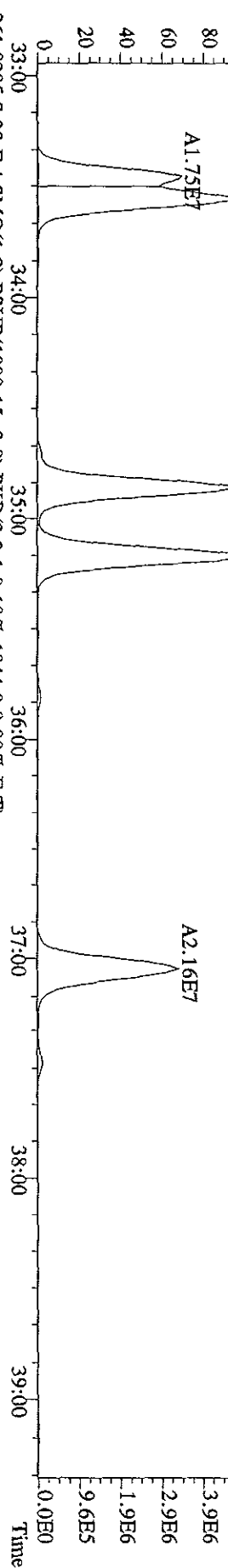
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 Sample#22 Text:K6L2X-1-AC :G9B030000-255C Exp:209DB5  
 323.8834 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1532.0,0.00%,F,T)



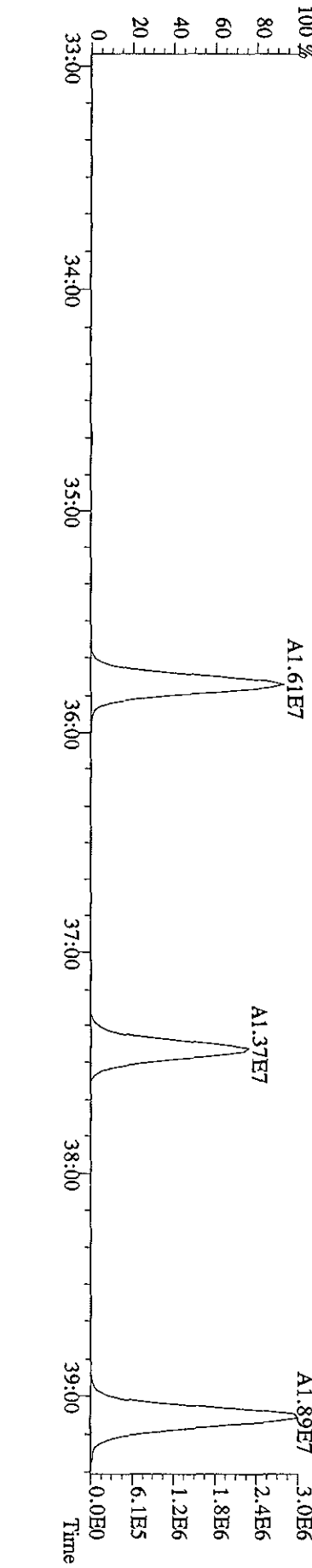
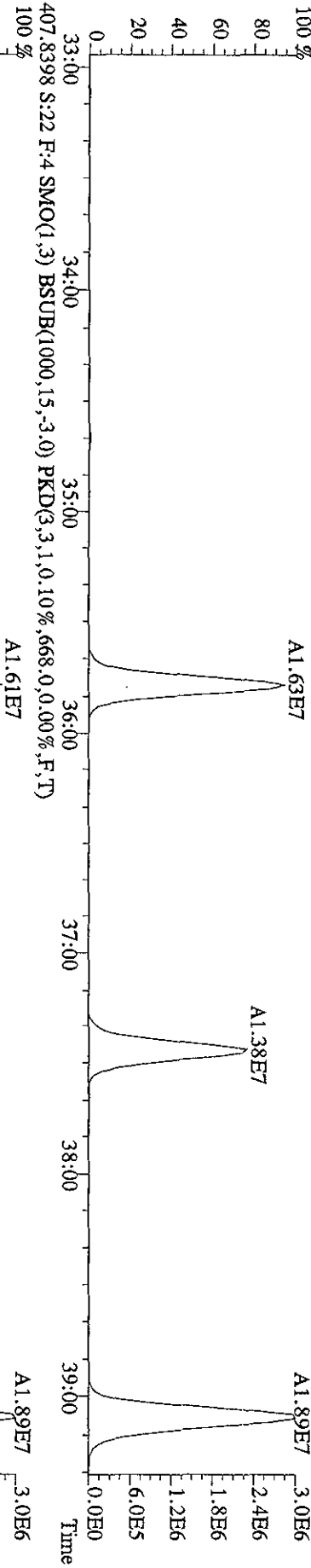
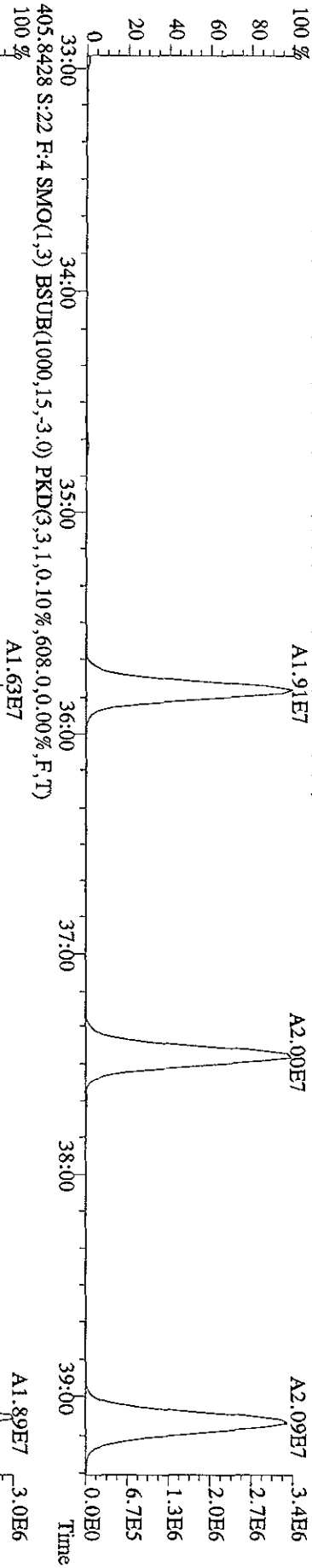
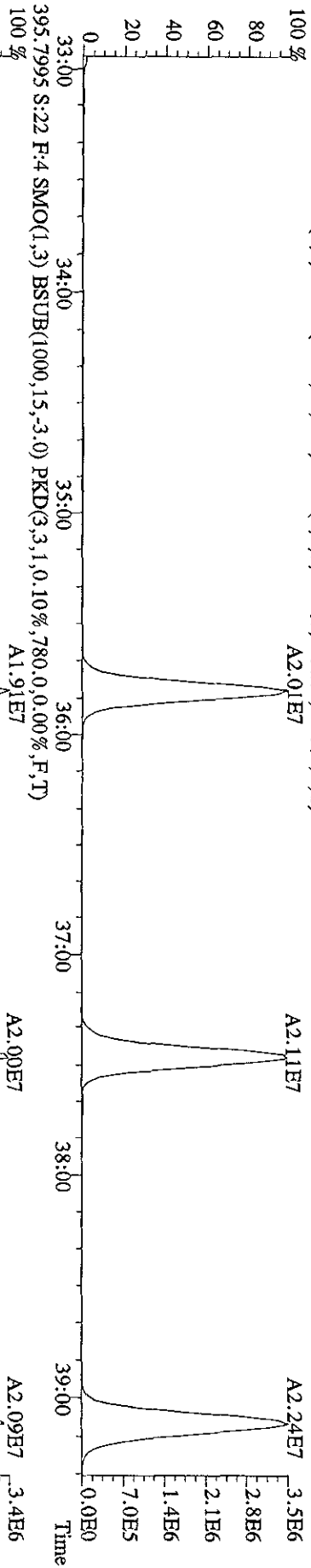
File: 16FEB099D5 #1-391 Acq: 17.FEB-2009 05:21:56 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#22 Text: K6L2X-1-AC :G9B030000-255C Exp: 209DB5  
 439.8038 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,8.0,0.00%,F,T)  
 100% A2.69E7



File:16FE099D5 #1-391 Acq:17-FEB-2009 05:21:56 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#22 Text:K6L2X-1-AC :G9B030000-255C Exp:209DB5  
 359.8415 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,3648.0,0.00%,F,T)  
 100 % A2.65E7 A2.78E7

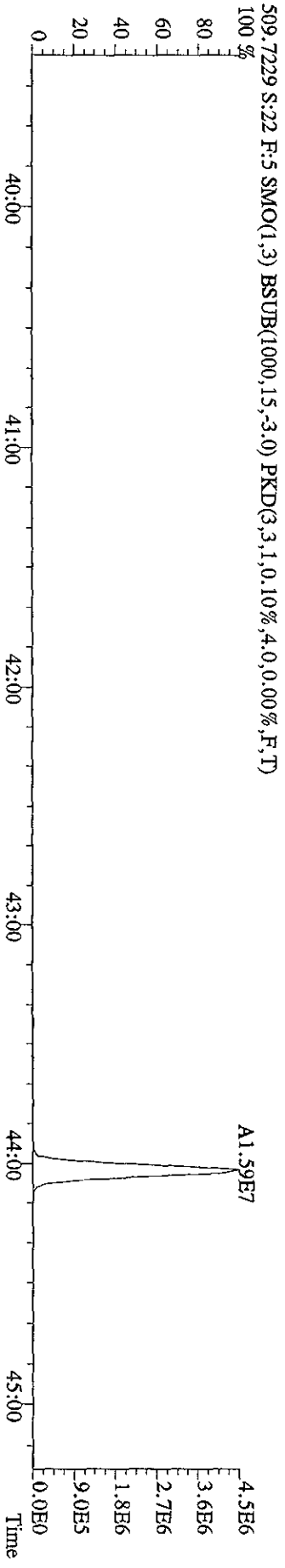
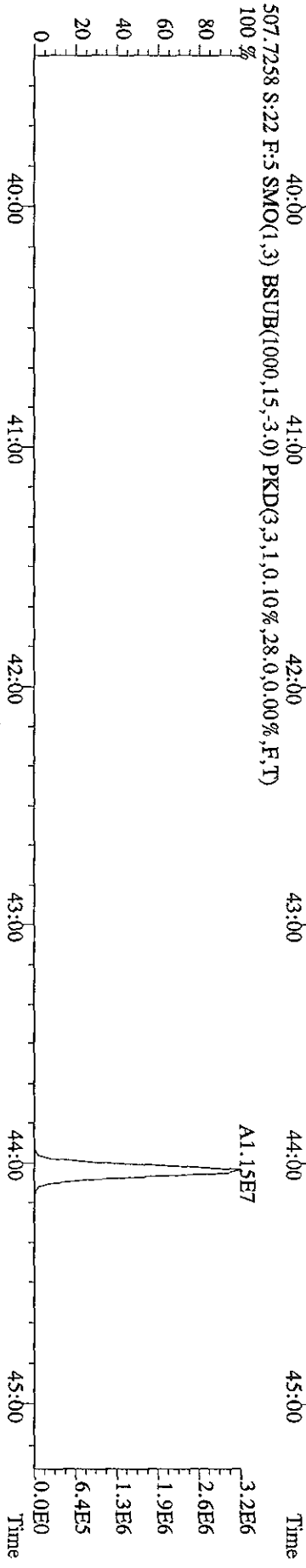
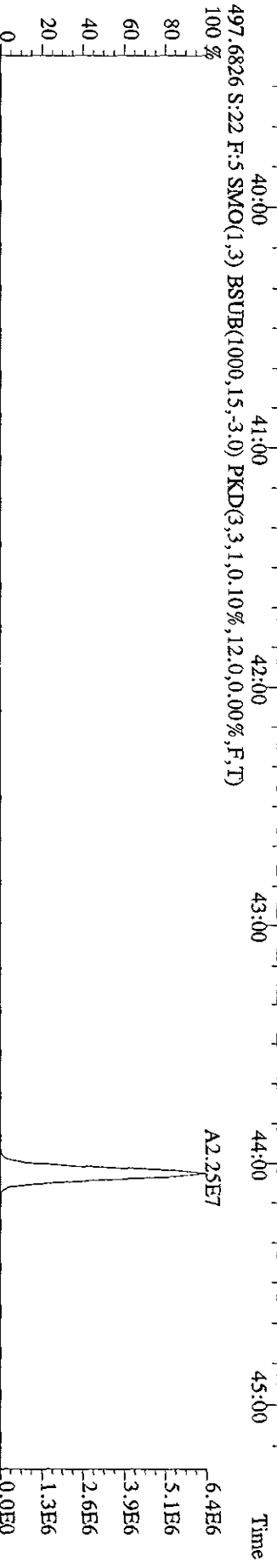
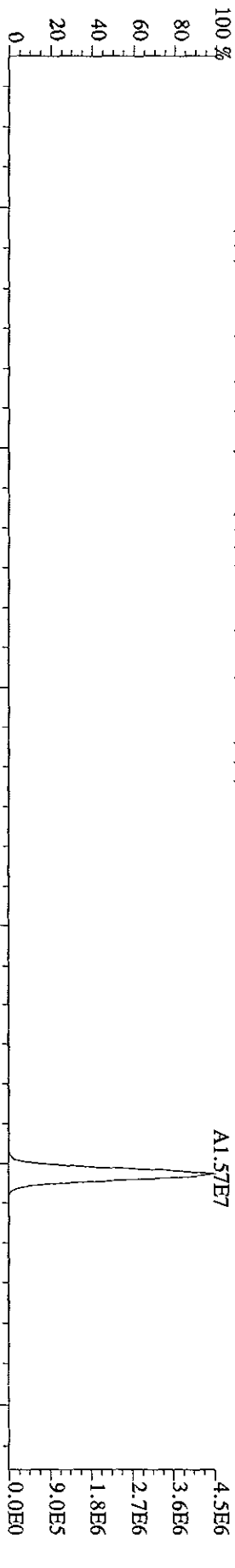


File: 16FE099D5 #1-391 Acq: 17-FEB-2009 05:21:56 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#22 Text: K6L2X-1-AC : G9B030000-255C Exp: 209DB5  
 393.8025 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1092.0,0.00%,F,T)





File:16FEB099D5 #1-392 Acq:17-FEB-2009 05:21:56 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#22 Text:K612X-1-AC :G9B030000-255C Exp:209DB5  
 495.6856 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,32.0,0.00%,F,T)  
 100 %



Run text: K6HW4-1-AA Sample text: K6HW4-1-AA :G9A300234-1 (5X)  
 Run #16 Filename: 17FE09A9D5 S: 12 I: 1 Results: 17fe09a9d51668msldec  
 Acquired: 18-FEB-09 04:08:05 Processed: 18-FEB-09 09:05:25  
 Run: 17FE09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 Sample

*RLS ≈ 1000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	3784659	0.71 (n)	25:28	-	3.10	-	-	n
13C-TCB-81	3692140	0.75 y	27:03	0.95	4119.35	58.61	103.0	n
TCB-81	41993	0.46 n	27:00	1.28	35.59	85.97	-	n
13C-TCB-77	4029690	0.78 y	27:36	0.98	4335.27	56.52	108.4	n
TCB-77	158771	0.88 y	27:36	1.10	142.83	93.82	-	n
13C-PeCB-123	4439490	0.59 y	28:57	0.87	5384.12	0.75	134.6	y
PeCB-123	142938	0.52 n	28:59	1.51	85.35	35.52	-	y
13C-PeCB-118	4790350	0.70 y	29:05	0.98	5142.44	0.66	128.6	y
PeCB-118/106	2167319	0.54 y	29:07	1.53	1184.36	35.91	-	y
13C-PeCB-114	4792970	0.61 y	29:44	0.97	5242.14	0.67	131.1	n
PeCB-114	48994	0.56 y	29:43	1.59	25.79	33.26	-	n
13C-PeCB-105	4843950	0.65 y	30:36	0.90	5705.89	0.72	142.6	n
PeCB-105/127	747374	0.54 y	30:37	1.42	433.93	35.57	-	n
13C-PeCB-126	5705270	0.67 y	32:30	0.91	6615.24	0.71	165.4	y
PeCB-126	*	* n	NotFnd	1.17	*	38.77	-	n
13C-OcCB-202	6742230	0.86 y	34:43	-	5.24	-	-	n
13C-HxCB-167	4653470	1.29 y	33:35	0.84	3280.54	11.81	82.0	n
HxCB-167	51301	0.62 n	33:36	1.17	37.73	23.03	-	n
13C-HxCB-156	3955750	1.19 y	34:53	0.67	3501.61	14.83	87.5	n
HxCB-156	92114	1.44 n	34:55	1.45	64.14	21.49	-	n
13C-HxCB-157	4037760	1.23 y	35:11	0.71	3389.06	14.06	84.7	n
HxCB-157	*	* n	NotFnd	1.45	*	20.18	-	n
13C-HxCB-169	4373210	1.26 y	37:03	0.73	3537.18	13.55	88.4	n
HxCB-169	*	* n	NotFnd	0.99	*	31.33	-	n
13C-HpCB-180	3964520	1.00 y	35:49	0.58	4023.21	6.65	100.6	n
HpCB-180	1080259	1.11 y	35:50	1.27	861.46	24.85	-	n
13C-HpCB-170	3283280	1.05 y	37:27	0.47	4105.89	8.19	102.6	n
HpCB-170/190	221711	0.60 n	37:28	1.61	168.14	22.74	-	n
13C-HpCB-189	4226620	0.98 y	39:06	0.60	4189.54	6.50	104.7	n
HpCB-189	*	* n	NotFnd	1.21	*	26.66	-	n
13C-DeCB-209	2386030	0.77 y	44:02	0.46	3076.25	0.51	76.9	n
DECB-209	43169	0.81 n	44:03	1.50	48.09	0.91	-	n
13C-PeCB-111	5065880	0.66 y	26:56	1.36	3166.60	0.41	79.2	n

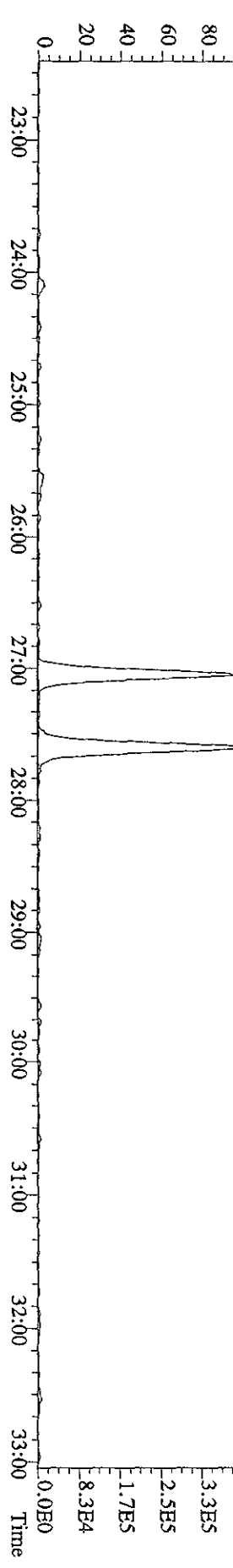
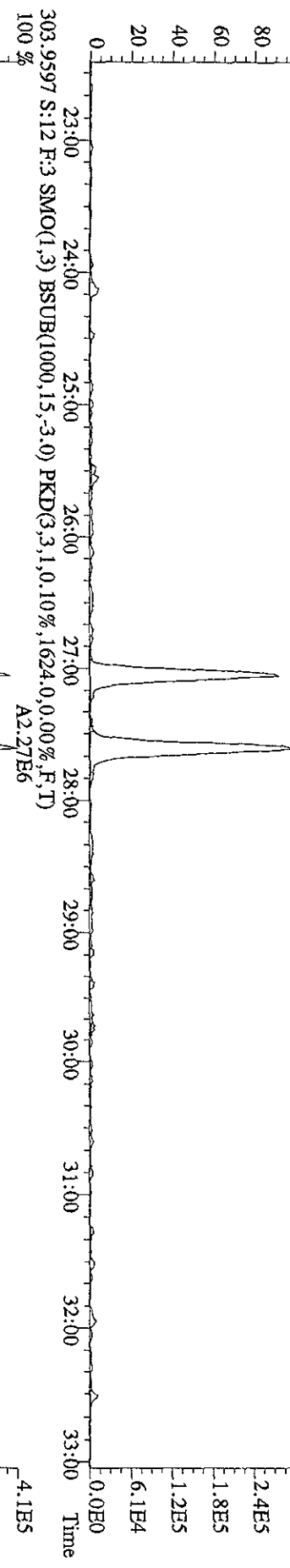
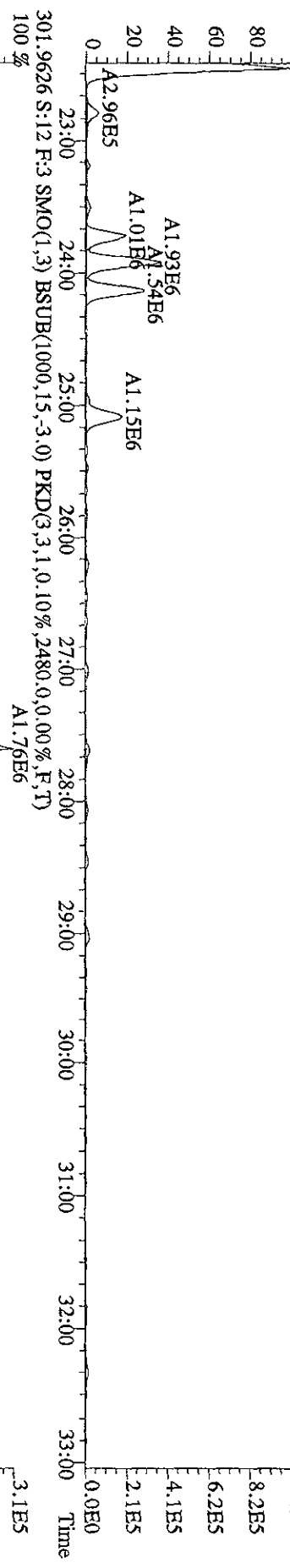
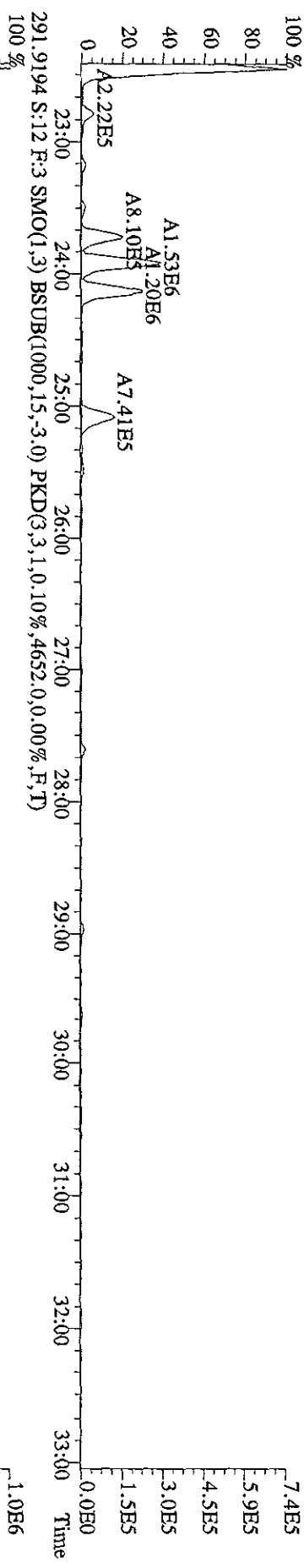
*Su 2/20/09*

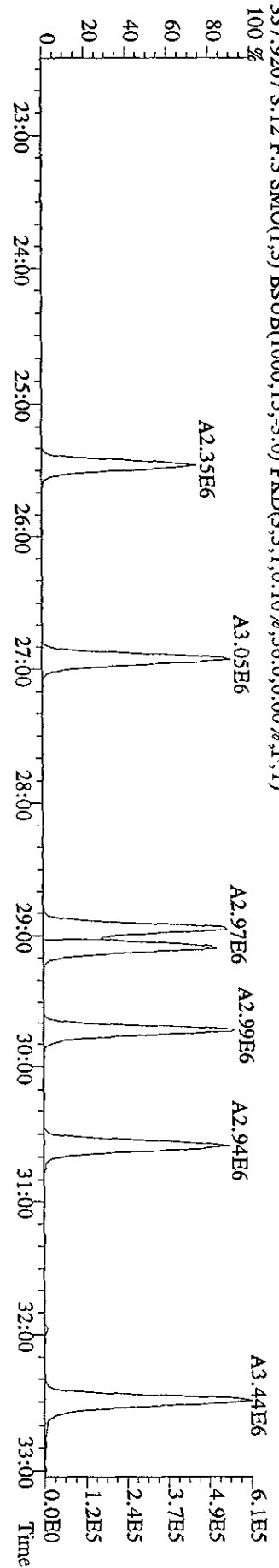
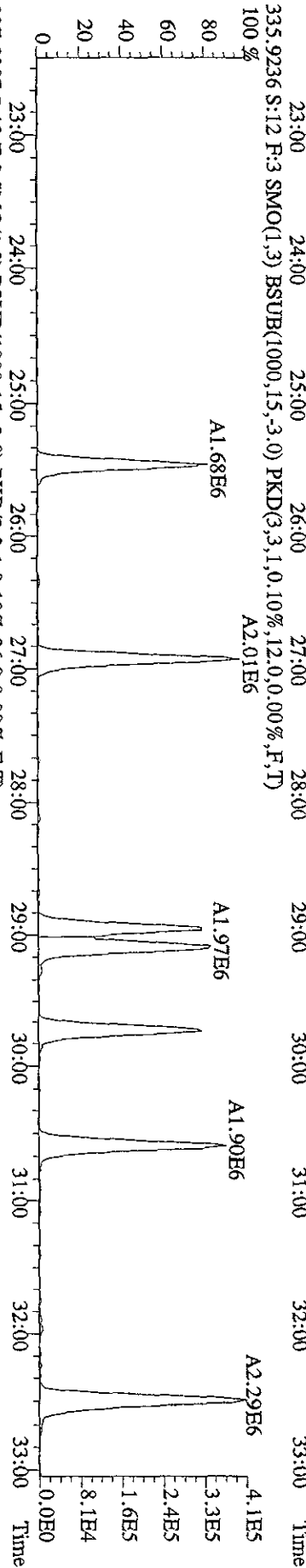
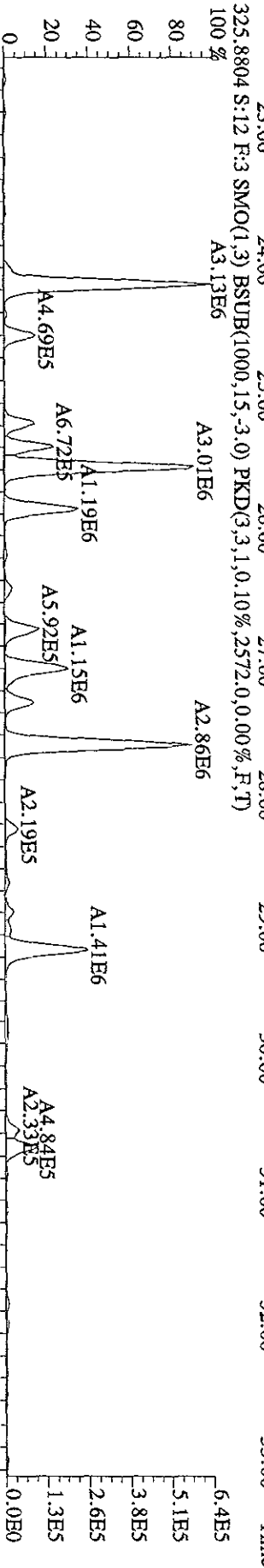
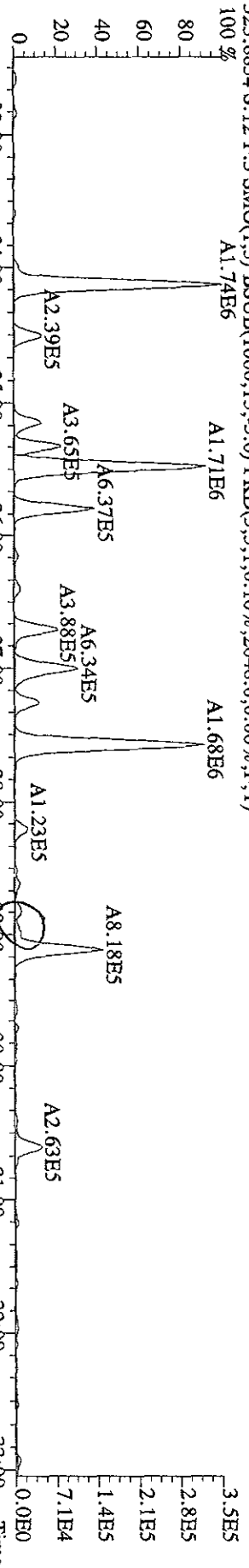
Run text: K6HW4-1-AA Sample text: K6HW4-1-AA :G9A300234-1 (5X)  
 Run #16 Filename: 17FE09A9D5 S: 12 I: 1 Results: 17FE09A9D51668MSLDEC  
 Acquired: 18-FEB-09 04:08:05 Processed: 18-FEB-09 09:05:25  
 Run: 17FE09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Sample

*AL-100*

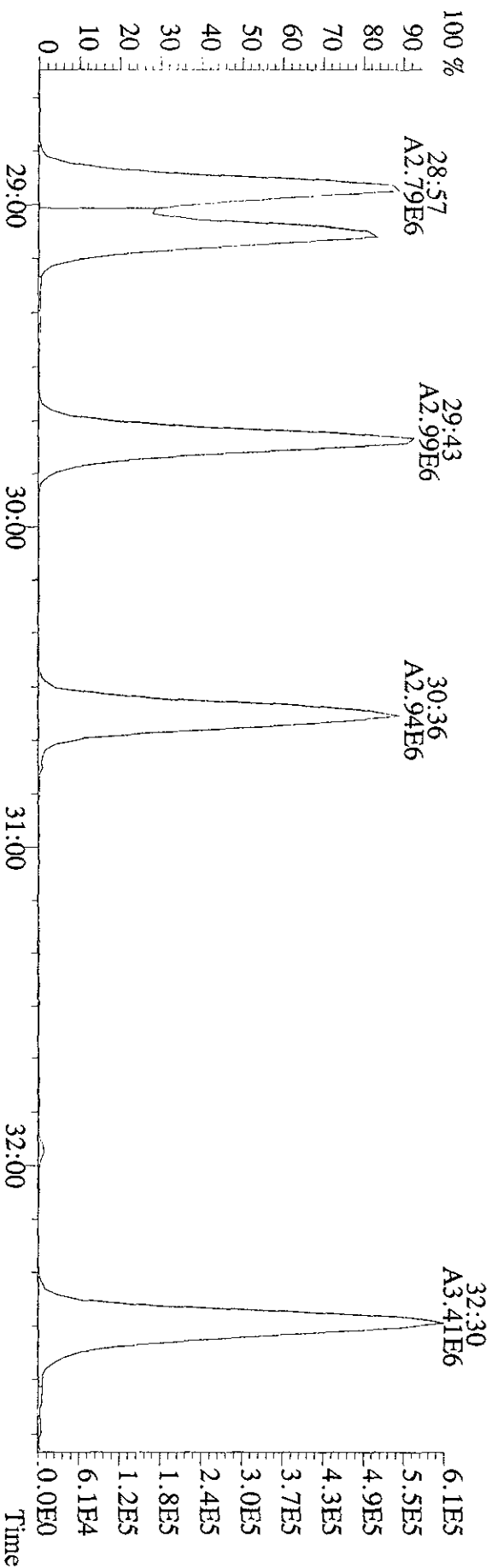
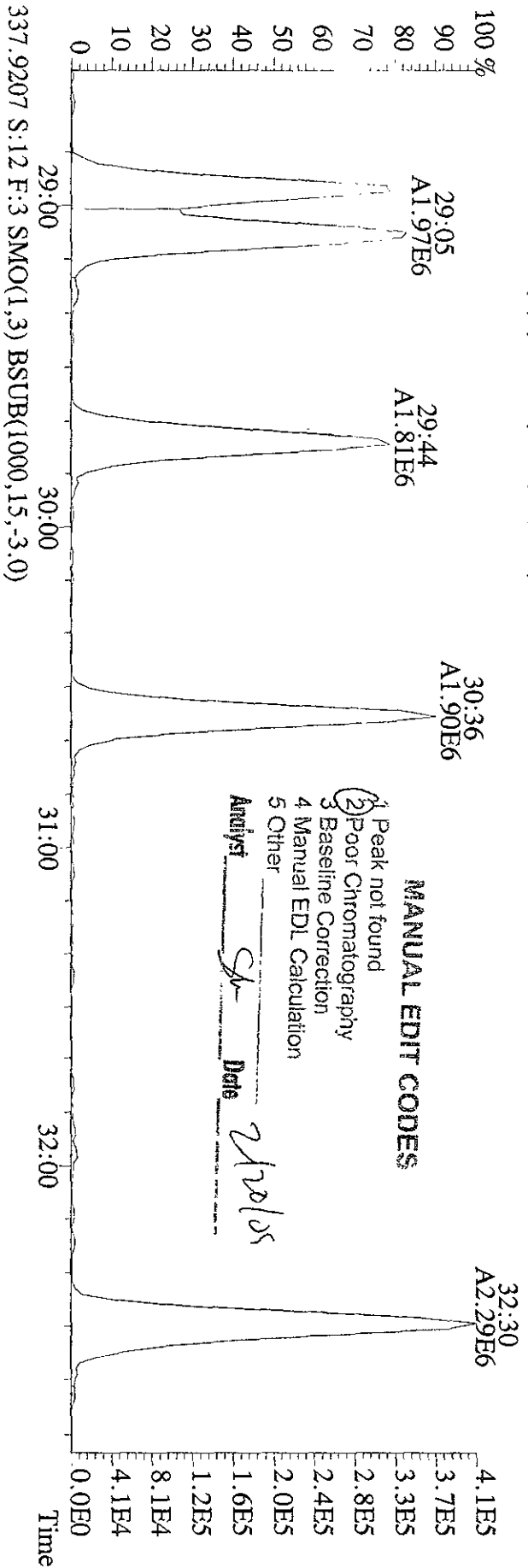
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	3784659	0.71 (n)	25:28	-	3.10	-	-	n
13C-TCB-81	3692140	0.75 y	27:03	0.95	4119.35	58.61	103.0	n
TCB-81	41993	0.46 n	27:00	1.28	35.59	85.97	-	n
13C-TCB-77	4029690	0.78 y	27:36	0.98	4335.27	56.52	108.4	n
TCB-77	158771	0.88 y	27:36	1.10	142.83	93.82	-	n
13C-PeCB-123	4620290	0.56 y	28:57	0.87	5603.39	0.75	140.1	n
PeCB-123	*	* n	NotFnd	1.51	*	35.24	-	n
13C-PeCB-118	4277641	0.74 (n)	29:05	0.98	4592.05	0.66	114.8	n
PeCB-118/106	2227942	0.58 y	29:07	1.53	1363.41	39.05	-	n
13C-PeCB-114	4792970	0.61 y	29:44	0.97	5242.14	0.67	131.1	n
PeCB-114	48994	0.56 y	29:43	1.59	25.79	33.26	-	n
13C-PeCB-105	4843940	0.65 y	30:36	0.90	5705.88	0.72	142.6	n
PeCB-105/127	747375	0.54 y	30:37	1.42	433.93	35.57	-	n
13C-PeCB-126	5729850	0.67 y	32:30	0.91	6643.74	0.71	166.1	n
PeCB-126	*	* n	NotFnd	1.17	*	38.74	-	n
13C-OcCB-202	6742230	0.86 y	34:43	-	5.24	-	-	n
13C-HxCB-167	4653470	1.29 y	33:35	0.84	3280.54	11.81	82.0	n
HxCB-167	51301	0.62 n	33:36	1.17	37.73	23.03	-	n
13C-HxCB-156	3955750	1.19 y	34:53	0.67	3501.61	14.83	87.5	n
HxCB-156	92114	1.44 n	34:55	1.45	64.14	21.49	-	n
13C-HxCB-157	4037760	1.23 y	35:11	0.71	3389.06	14.06	84.7	n
HxCB-157	*	* n	NotFnd	1.45	*	20.18	-	n
13C-HxCB-169	4373210	1.26 y	37:03	0.73	3537.18	13.55	88.4	n
HxCB-169	*	* n	NotFnd	0.99	*	31.33	-	n
13C-HpCB-180	3964520	1.00 y	35:49	0.58	4023.21	6.65	100.6	n
HpCB-180	1080259	1.11 y	35:50	1.27	861.46	24.85	-	n
13C-HpCB-170	3283280	1.05 y	37:27	0.47	4105.89	8.19	102.6	n
HpCB-170/190	221711	0.60 n	37:28	1.61	168.14	22.74	-	n
13C-HpCB-189	4226620	0.98 y	39:06	0.60	4189.54	6.50	104.7	n
HpCB-189	*	* n	NotFnd	1.21	*	26.66	-	n
13C-DeCB-209	2386030	0.77 y	44:02	0.46	3076.25	0.51	76.9	n
DECB-209	43169	0.81 n	44:03	1.50	48.09	0.91	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.41	*	n

File:17FE09A9D5 #1-599 Acq:18-FEB-2009 04:08:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text:K6HW4-1-AA :G9A300234-1 (5X) Exp:209DB5  
 289.9224 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2768.0,0.00%,F,T)  
 291.9194 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4652.0,0.00%,F,T)

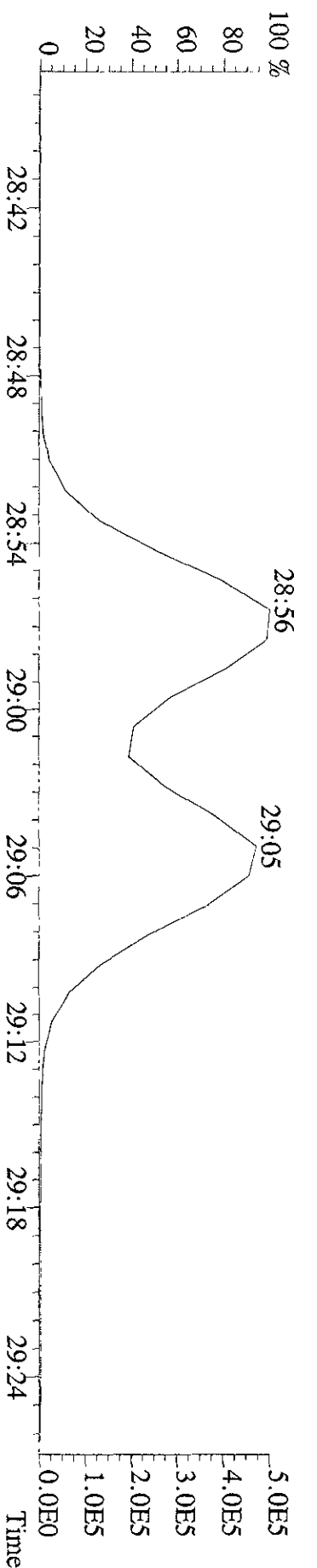
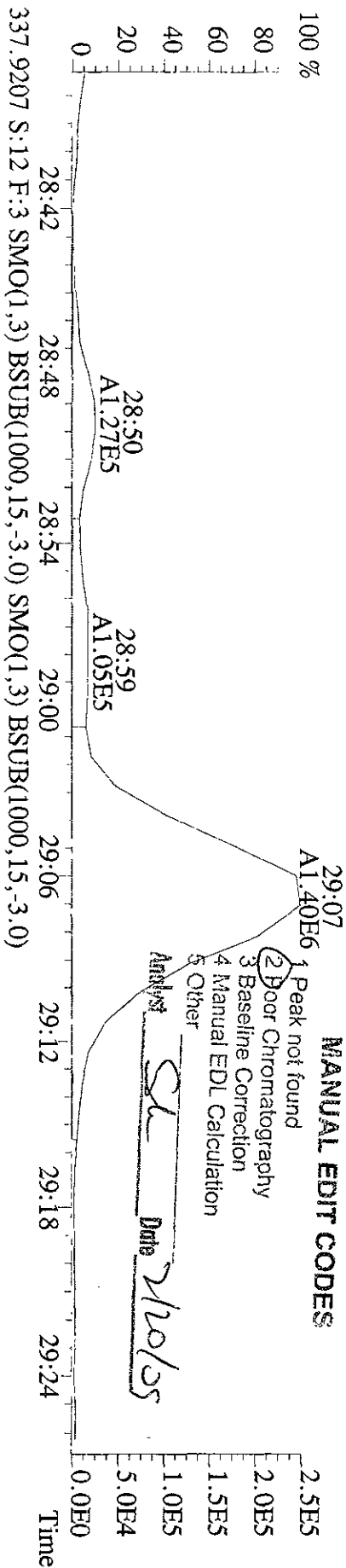
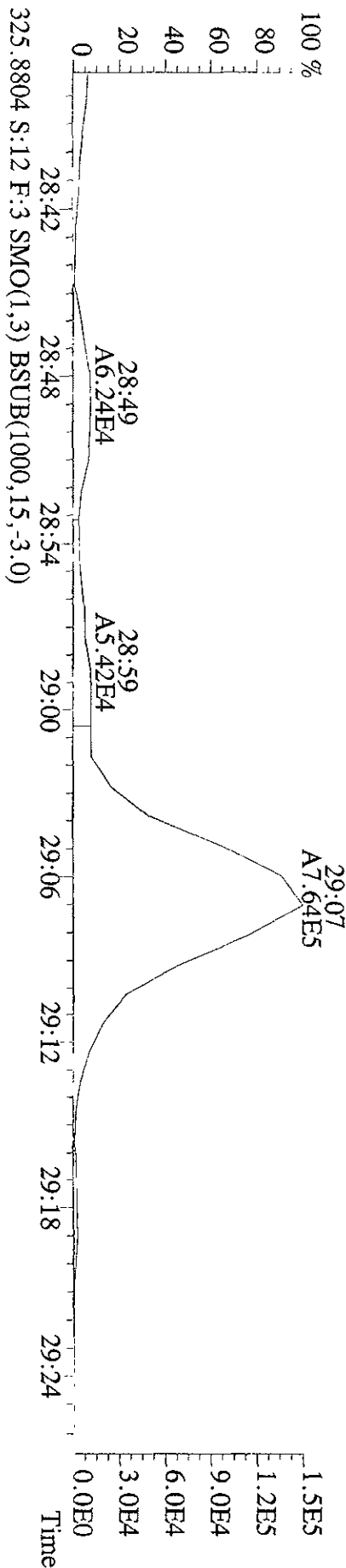




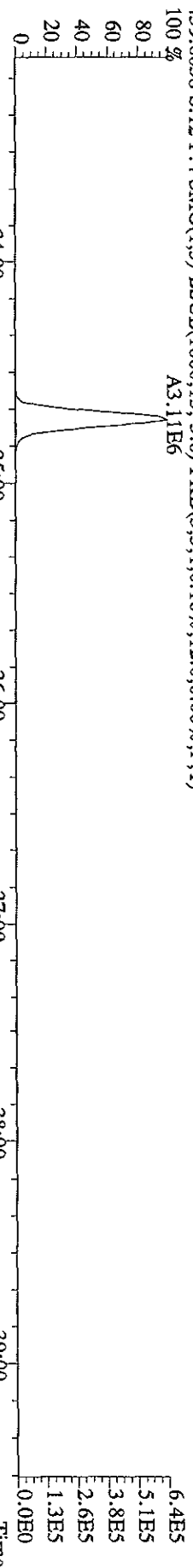
File: 17FE09A9D5 #1-599 Acq: 18-FEB-2009 04:08:05 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#12 Text:K6HW4-1-AA :G9A300234-1 Exp:209DB5  
 335.9236 S:12 F:3 SMO(1,3) BSUB(1000,15,-3,0)



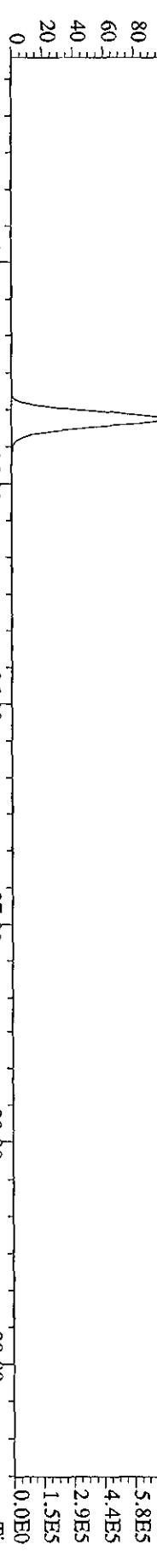
File: 17FEE09A9D5 #1-599 Acq: 18-FEB-2009 04:08:05 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#12 Text: K6HW4-1-AA : G9A300234-1 Exp: 209DB5  
 323.8834 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0)



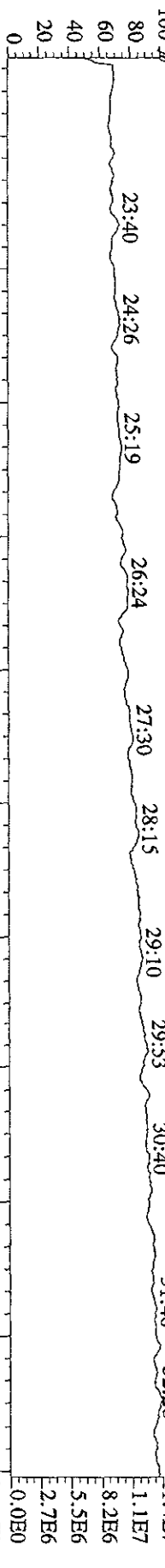
File: 17FEB09A9D5 #1-393 Acq: 18-FEB-2009 04:08:05 GC EI+ Voltage 51R Autospec-UltimaE  
 Sample#12 Text: K6HW4-1-AA : G9A300234-1 (5X) Exp: 209DB5  
 439.8038 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,12,0,0.00%,F,T)



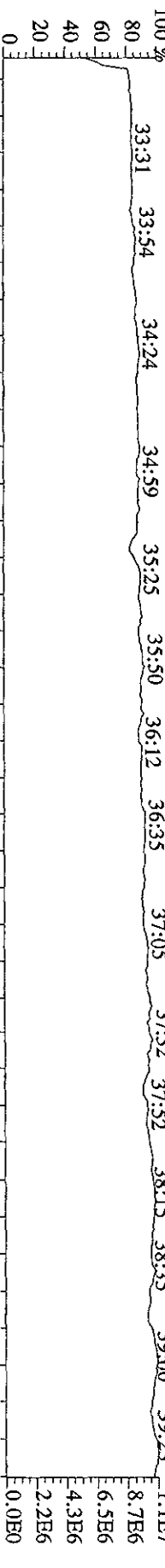
441.8008 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,12,0,0.00%,F,T)  
 A3.63B6



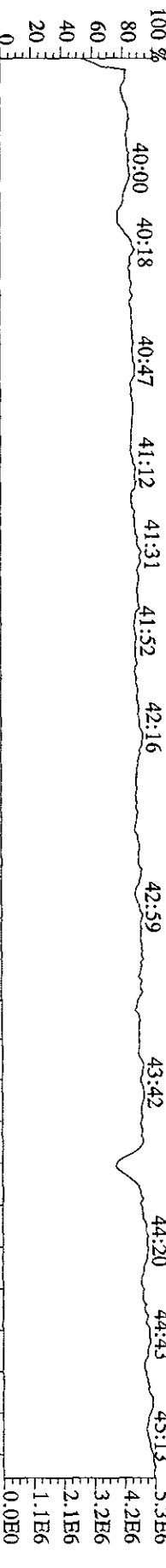
380.9760 S:12 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)



380.9760 S:12 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)

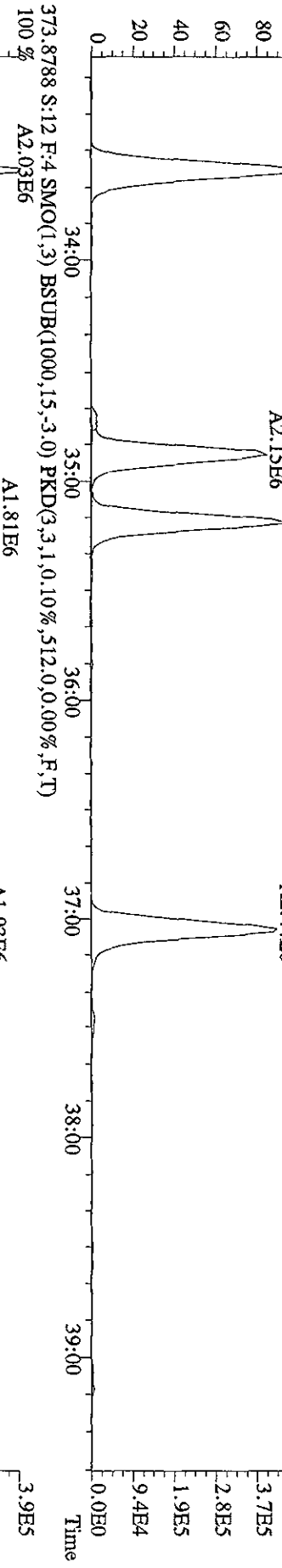
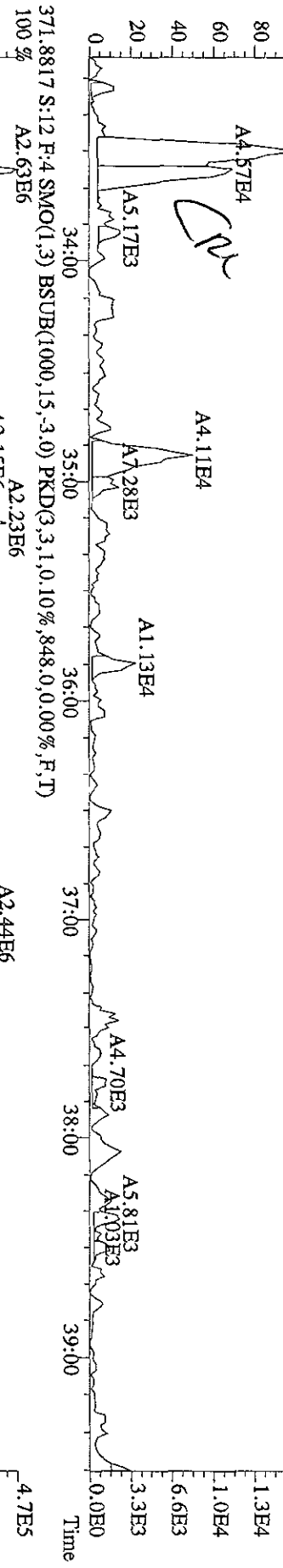
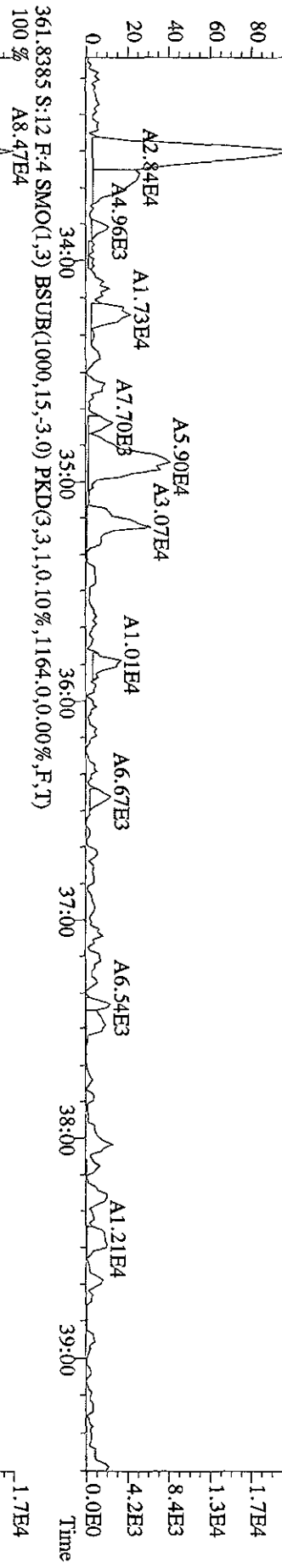


480.9696 S:12 F:5 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)

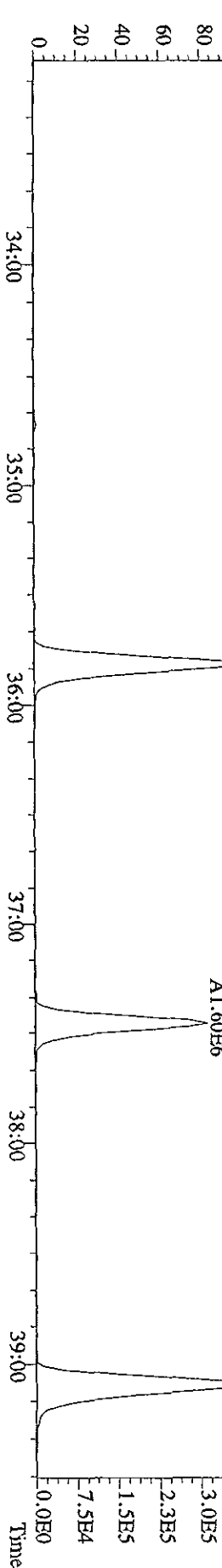
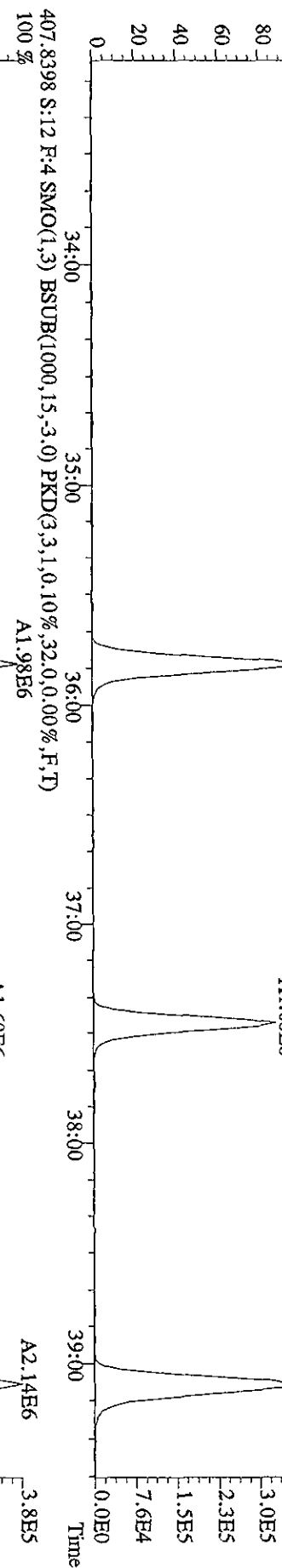
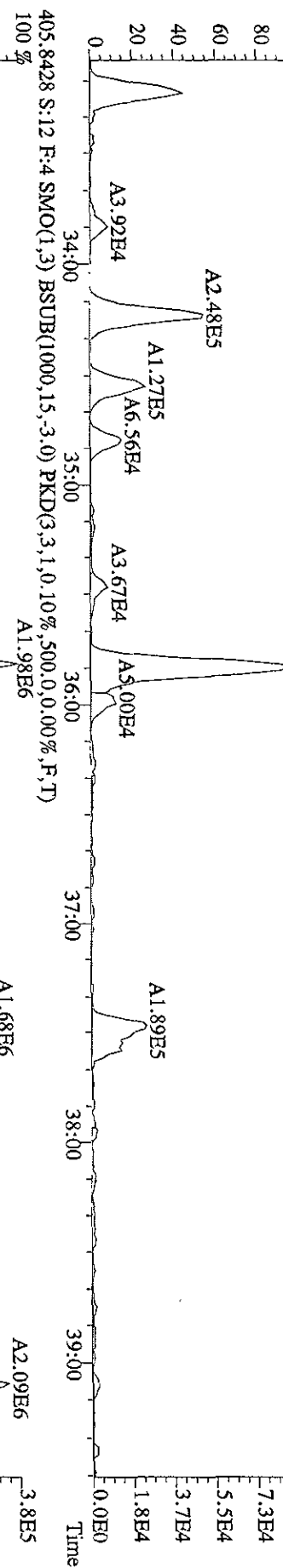
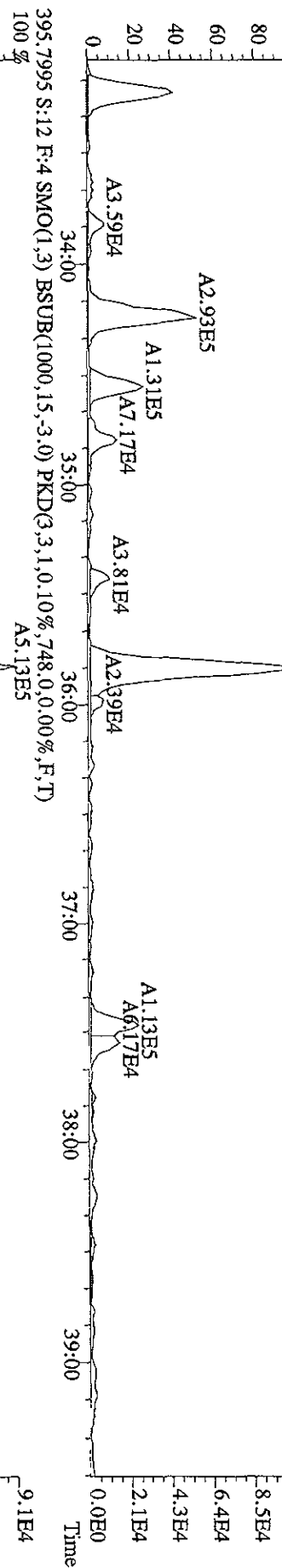




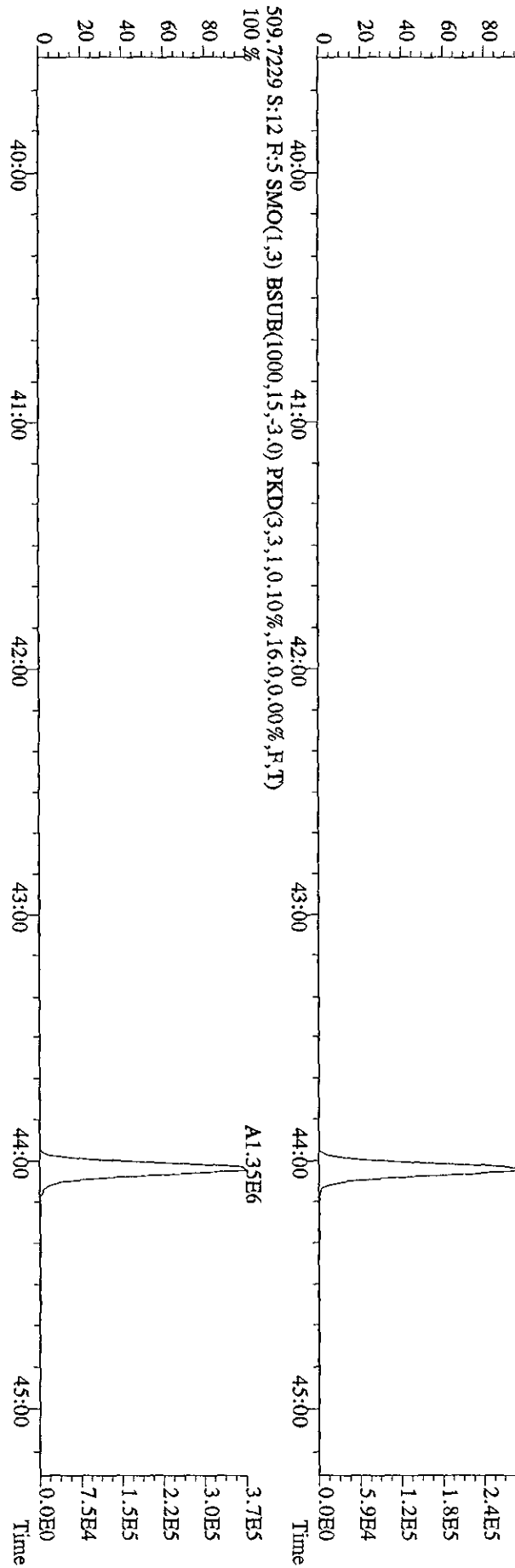
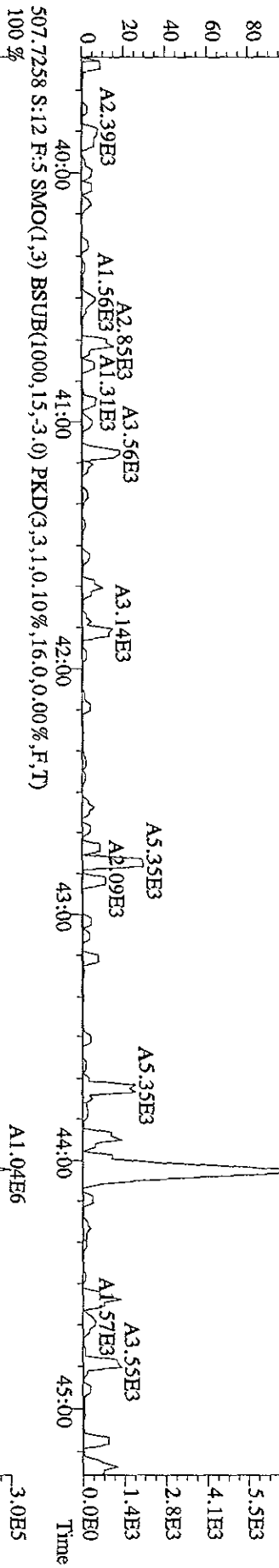
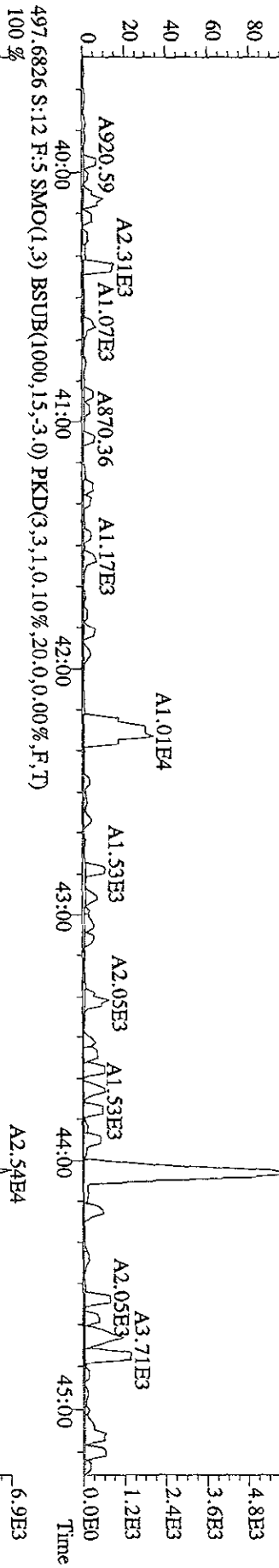
File: 17FEE09A9D5 #1-393 Acq: 18-FEB-2009 04:08:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#12 Text: K6HW4-1-AA : G9A300234-1 (5X) Exp: 209DB5  
 359.8415 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1140,0,0,00%,F,T)  
 100% A1.04E5



File:17FEB09A9D5 #1-393 Acq:18-FEB-2009 04:08:05 GC EI+ Voltage:SIDR Autospec-Ultimate  
 Sample#12 Text:K6HW4-1-AA :G9A300234-1 (5X) Exp:209DB5  
 393.8025 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1608,0,0,00%,F,T)  
 100% A5.67E5



File:17FEB09A9D5 #1-381 Acq:18-FEB-2009 04:08:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text:K6HW4-1-AA :G9A300234-1 (5X) Exp:209DB5  
 495.6856 S:12 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,72.0,0.00%,F,T)  
 100 %



Run text: K6HxD-1-AA      Sample text: K6HxD-1-AA :G9A300234-2 (5X)  
 Run #17 Filename: 17FE09A9D5 S: 13 I: 1      Results: 17fe09a9d51668msldec  
 Acquired: 18-FEB-09 04:59:29      Processed: 18-FEB-09 09:05:26  
 Run: 17FE09A9D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.50      Sample

*RL = 1000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	4926500	0.69 y	25:28	-	4.03	-	-	n
13C-TCB-81	4146490	0.80 y	27:02	0.95	3554.02	48.75	88.9	n
TCB-81	335164	0.60 n	27:00	1.28	252.94	89.49	-	n
13C-TCB-77	4346970	0.77 y	27:35	0.98	3592.68	47.01	89.8	n
TCB-77	1124507	0.83 y	27:36	1.10	937.75	110.40	-	n
13C-PeCB-123	5000890	0.62 y	28:55	0.87	4659.26	0.64	116.5	n
PeCB-123	551565	0.48 n	28:57	1.51	292.36	37.87	-	n
13C-PeCB-118	5121450	0.60 y	29:05	0.98	4223.60	0.57	105.6	n
PeCB-118/106	12015600	0.59 y	29:06	1.53	6141.59	35.79	-	n
13C-PeCB-114	5764700	0.68 y	29:43	0.97	4843.61	0.58	121.1	n
PeCB-114	308054	0.40 n	29:44	1.59	134.82	30.64	-	n
13C-PeCB-105	5593950	0.70 y	30:34	0.90	5062.10	0.63	126.6	n
PeCB-105/127	5285920	0.52 y	30:36	1.42	2657.58	34.74	-	n
13C-PeCB-126	6127200	0.68 y	32:28	0.91	5457.82	0.62	136.4	n
PeCB-126	*	* n	NotFnd	1.17	*	39.15	-	n
13C-OcCB-202	7273610	0.94 y	34:42	-	5.65	-	-	n
13C-HxCB-167	4957970	1.25 y	33:34	0.84	3239.85	16.22	81.0	n
HxCB-167	197968	1.52 n	33:35	1.17	136.64	23.62	-	y
13C-HxCB-156	4067930	1.26 y	34:52	0.67	3337.84	20.37	83.4	n
HxCB-156	465440	1.39 y	34:54	1.45	315.14	22.36	-	n
13C-HxCB-157	4515680	1.34 y	35:10	0.71	3513.30	19.31	87.8	n
HxCB-157	119707	1.38 y	35:12	1.45	73.31	21.08	-	n
13C-HxCB-169	4842320	1.28 y	37:03	0.73	3630.48	18.61	90.8	n
HxCB-169	*	* n	NotFnd	0.99	*	30.53	-	n
13C-HpCB-180	4168920	0.96 y	35:49	0.58	3921.57	8.00	98.0	n
HpCB-180	3608350	1.04 y	35:50	1.27	2736.42	25.66	-	y
13C-HpCB-170	3494860	0.97 y	37:27	0.47	4051.19	9.85	101.3	n
HpCB-170/190	1339085	0.94 y	37:28	1.61	954.06	23.05	-	n
13C-HpCB-189	4423320	1.05 y	39:06	0.60	4064.20	7.81	101.6	n
HpCB-189	19292	3.08 n	39:09	1.21	14.46	26.08	-	n
13C-DeCB-209	2537390	0.70 y	44:02	0.46	3032.40	0.52	75.8	n
DeCB-209	55327	0.95 n	44:02	1.50	57.96	0.66	-	n
13C-PeCB-111	5825400	0.59 y	26:55	1.36	3198.21	0.42	80.0	n

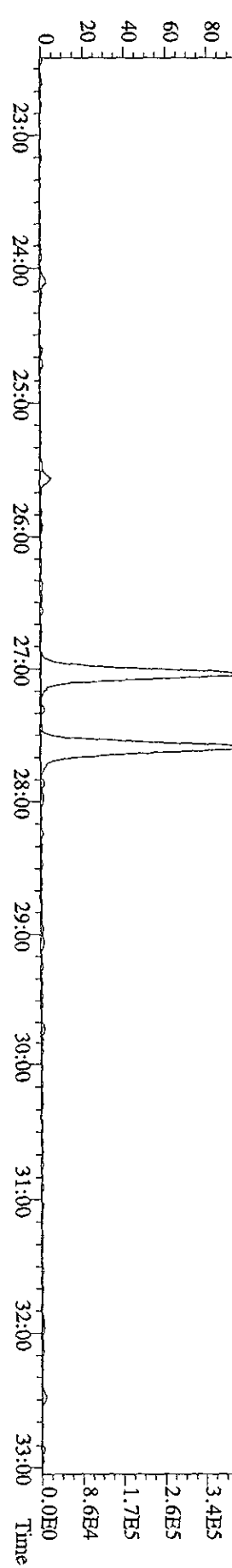
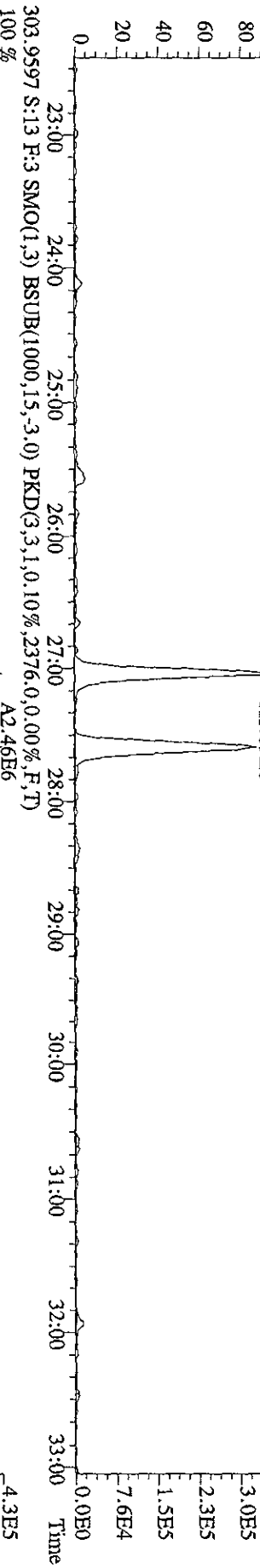
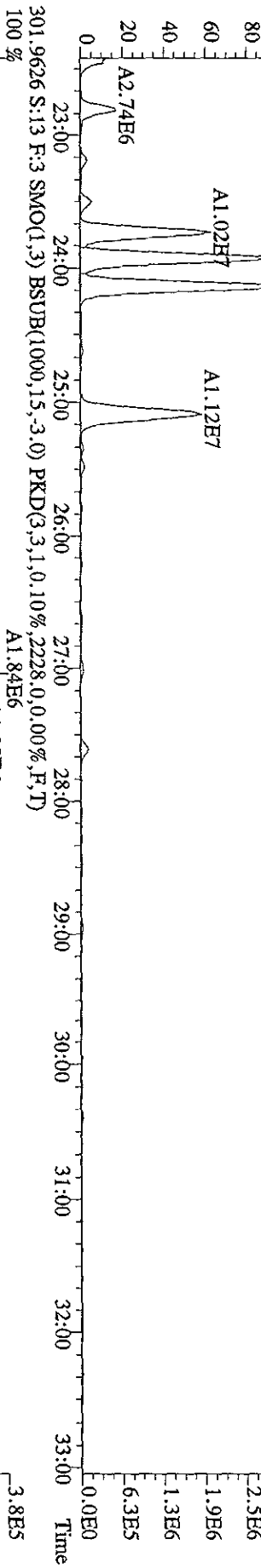
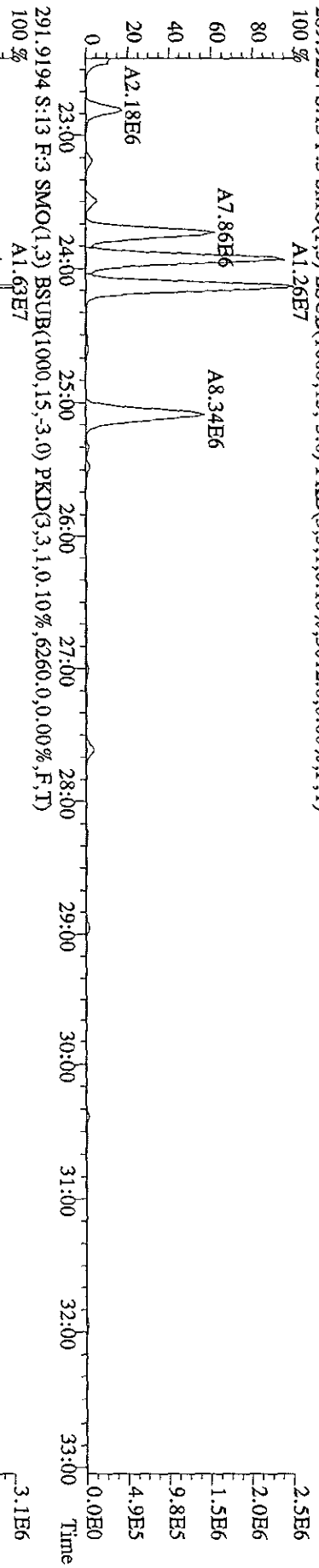
*See 2/20/09*

Run text: K6HXD-1-AA Sample text: K6HXD-1-AA :G9A300234-2 (5X)  
 Run #17 Filename: 17FE09A9D5 S: 13 I: 1 Results: 17FE09A9D51668MSLDEC  
 Acquired: 18-FEB-09 04:59:29 Processed: 18-FEB-09 09:05:26  
 Run: 17FE09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Sample

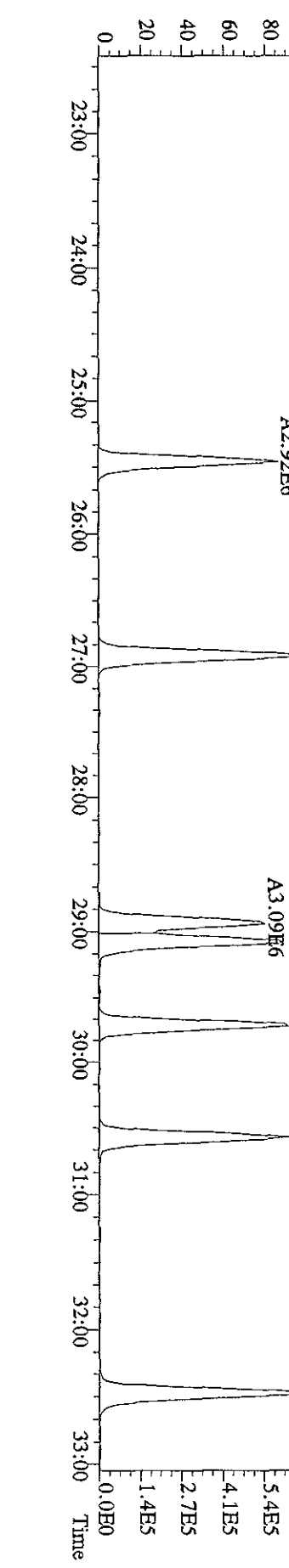
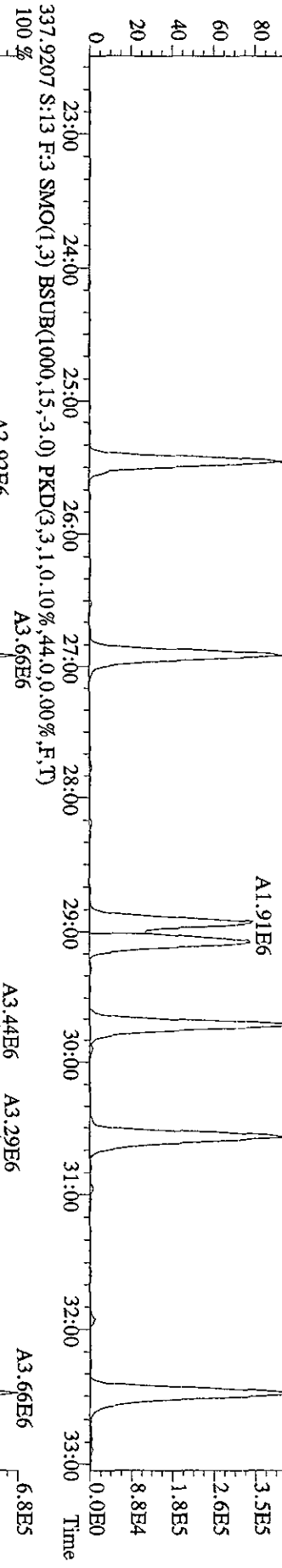
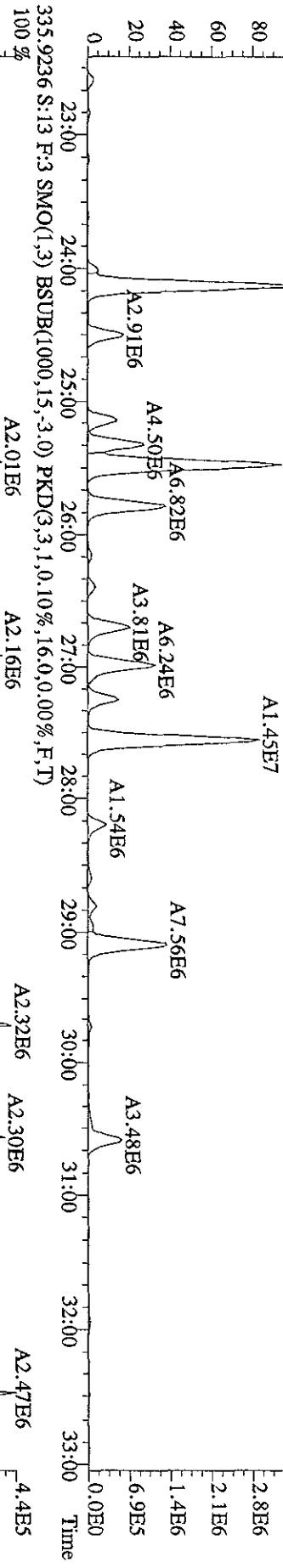
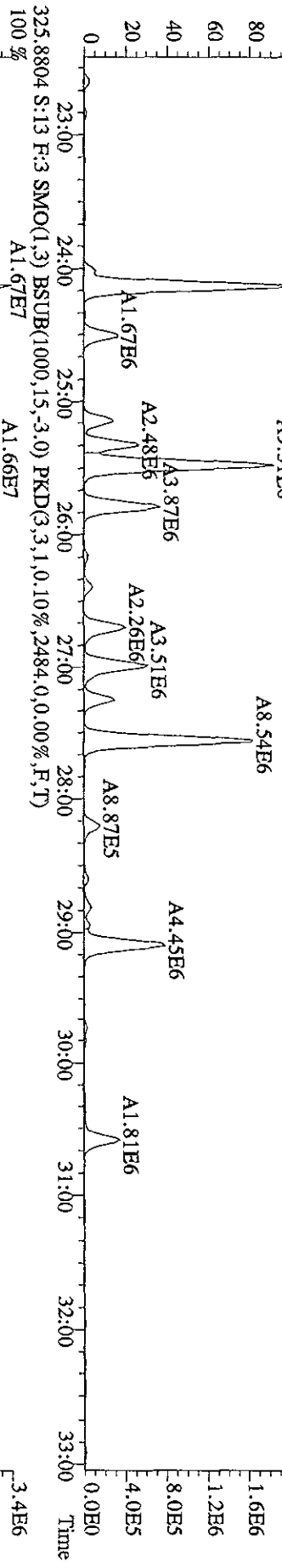
*PL 2100*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	4926500	0.69 y	25:28	-	4.03	-	-	n
13C-TCB-81	4146490	0.80 y	27:02	0.95	3554.02	48.75	88.9	n
TCB-81	335164	0.60 n	27:00	1.28	252.94	89.49	-	n
13C-TCB-77	4346970	0.77 y	27:35	0.98	3592.68	47.01	89.8	n
TCB-77	1124507	0.83 y	27:36	1.10	937.75	110.40	-	n
13C-PeCB-123	5000890	0.62 y	28:55	0.87	4659.26	0.64	116.5	n
PeCB-123	551565	0.48 n	28:57	1.51	292.36	37.87	-	n
13C-PeCB-118	5121450	0.60 y	29:05	0.98	4223.60	0.57	105.6	n
PeCB-118/106	12015600	0.59 y	29:06	1.53	6141.59	35.79	-	n
13C-PeCB-114	5764700	0.68 y	29:43	0.97	4843.61	0.58	121.1	n
PeCB-114	308054	0.40 n	29:44	1.59	134.82	30.64	-	n
13C-PeCB-105	5593950	0.70 y	30:34	0.90	5062.10	0.63	126.6	n
PeCB-105/127	5285920	0.52 y	30:36	1.42	2657.58	34.74	-	n
13C-PeCB-126	6127200	0.68 y	32:28	0.91	5457.82	0.62	136.4	n
PeCB-126	*	* n	NotFnd	1.17	*	39.15	-	n
13C-OcCB-202	7273610	0.94 y	34:42	-	5.65	-	-	n
13C-HxCB-167	4957970	1.25 y	33:34	0.84	3239.85	16.22	81.0	n
HxCB-167	*	* n	NotFnd	1.17	*	23.62	-	n
13C-HxCB-156	4067930	1.26 y	34:52	0.67	3337.84	20.37	83.4	n
HxCB-156	465440	1.39 y	34:54	1.45	315.14	22.36	-	n
13C-HxCB-157	4515680	1.34 y	35:10	0.71	3513.30	19.31	87.8	n
HxCB-157	119707	1.38 y	35:12	1.45	73.31	21.08	-	n
13C-HxCB-169	4842320	1.28 y	37:03	0.73	3630.48	18.61	90.8	n
HxCB-169	*	* n	NotFnd	0.99	*	30.53	-	n
13C-HpCB-180	4168920	0.96 y	35:49	0.58	3921.57	8.00	98.0	n
HpCB-180	3721340	0.98 y	35:50	1.27	2822.10	25.66	-	n
13C-HpCB-170	3494860	0.97 y	37:27	0.47	4051.19	9.85	101.3	n
HpCB-170/190	1339086	0.94 y	37:28	1.61	954.06	23.05	-	n
13C-HpCB-189	4423320	1.05 y	39:06	0.60	4064.20	7.81	101.6	n
HpCB-189	19292	3.08 n	39:09	1.21	14.46	26.08	-	n
13C-DeCB-209	2537390	0.70 y	44:02	0.46	3032.40	0.52	75.8	n
DECB-209	55327	0.95 n	44:02	1.50	57.96	0.66	-	n
13C-PeCB-111	4438	1.95 n	26:45	1.36	2.44	0.42	0.1	n

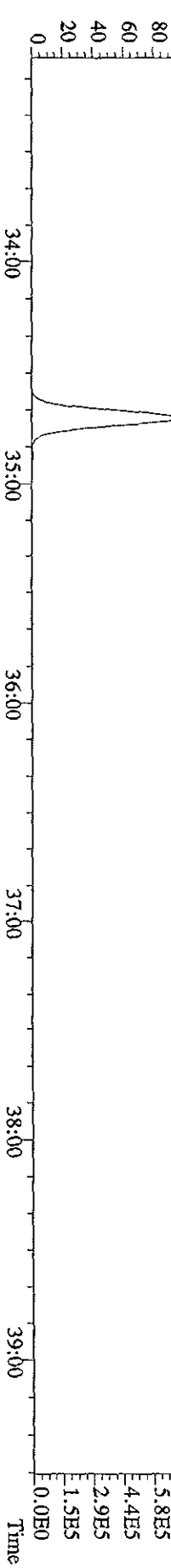
File:17FEB09A9D5 #1-599 Acq:18-FEB-2009 04:59:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#13 Text:K6HXD-1-AA :G9A300234-2 (5X) Exp:209DB5  
 289.9224 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3012.0,0.00%,F,T)



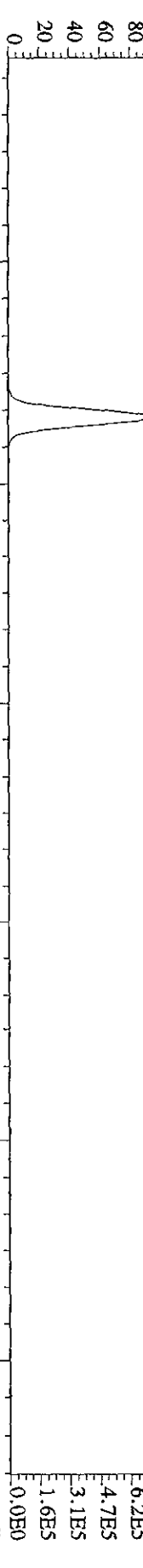
File:17FEB09A9D5 #1-599 Acq:18-FEB-2009 04:59:29 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#13 Text:K6HXD-1-AA :G9A300234-2 (5X) Exp:209DB5  
 323.8834 S:13 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2616,0,0,00%,F,T)  
 100%



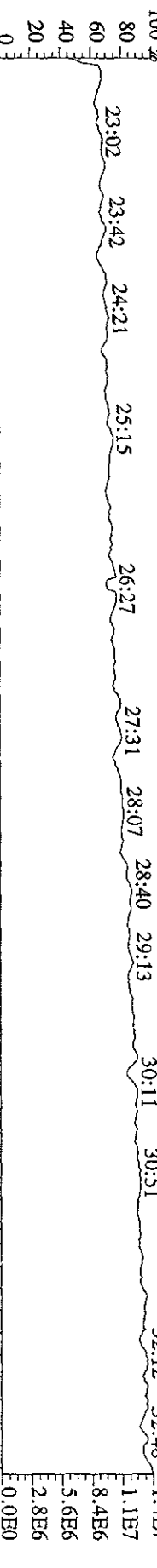
File:17FEB09A9D5 #1-393 Acq:18-FEB-2009 04:59:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#13 Text:K6HXD-1-AA :G9A300234-2 (5X) Exp:209DB5  
 439.8038 S:13 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,12.0,0.00%,F,T)  
 100% A3.52E6



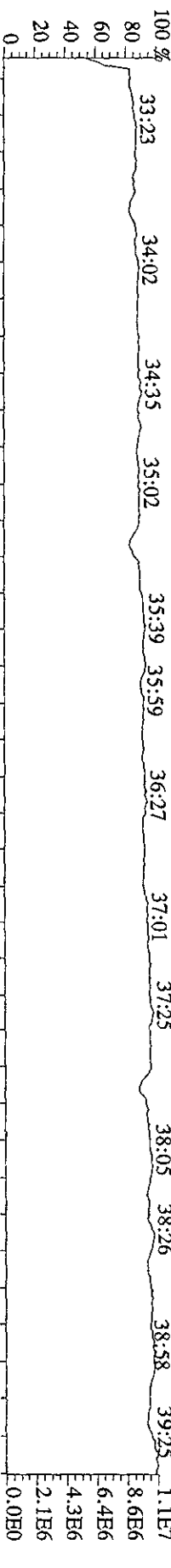
441.8008 S:13 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,16.0,0.00%,F,T)  
 100% A3.76E6



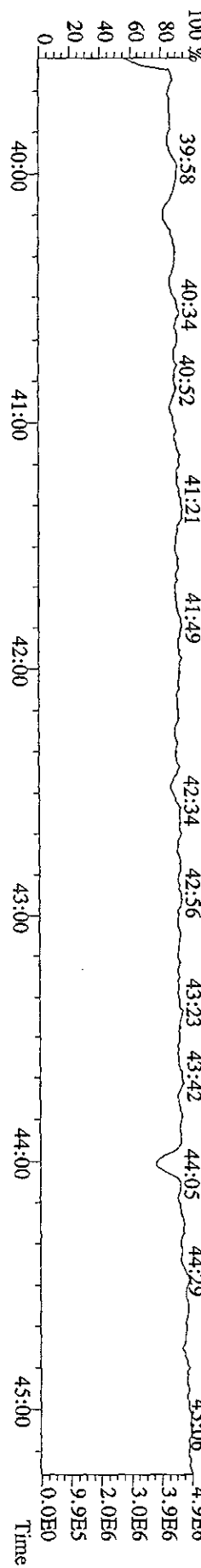
380.9760 S:13 F:3 SMO(1.5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100%



480.9696 S:13 F:5 SMO(1.5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100%

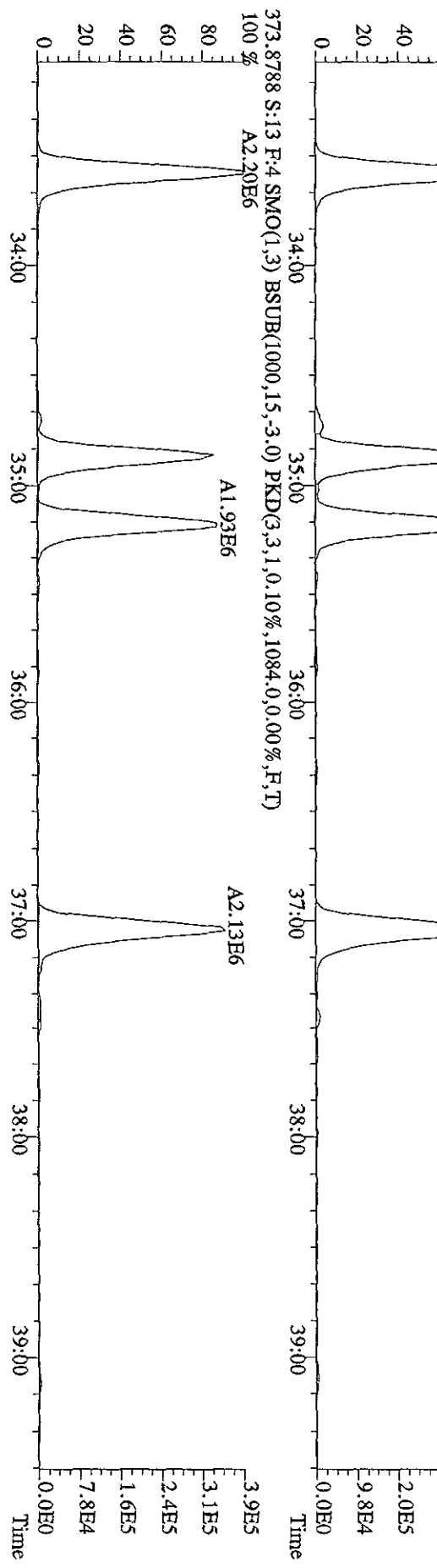
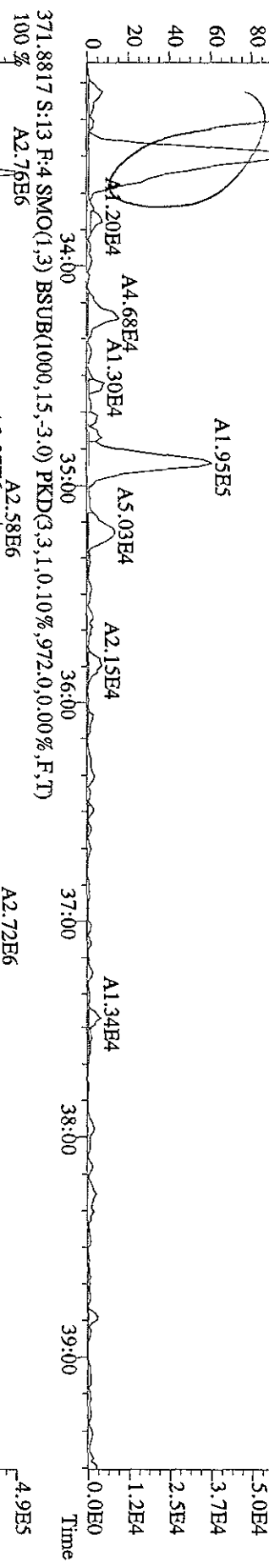
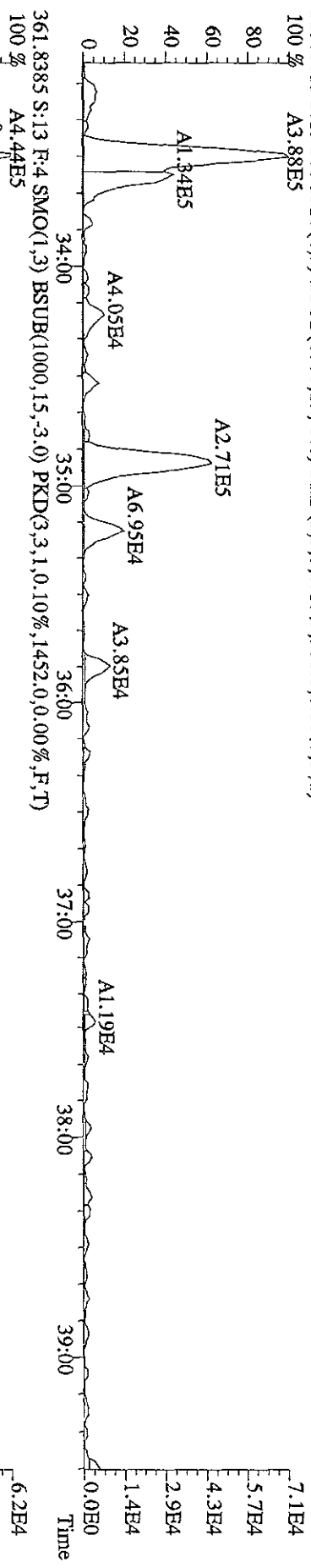


480.9696 S:13 F:5 SMO(1.5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100%

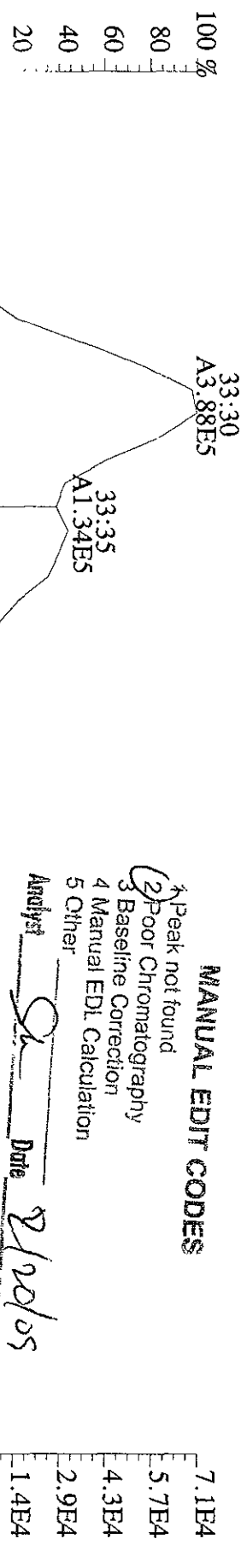




File: 17FEB09A9D5 #1-393 Acq: 18-FEB-2009 04:59:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#13 Text: K6HXD-1-AA : G9A300234-2 (5X) Exp: 209DB5  
 359,8415 S: 13 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,988,0,0,00%,F,T)



File: I7FE09A9D5 #1-393 Acq: 18-FEB-2009 04:59:29 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#13 Text: K6HXD-1-AA : G9A300234-2 Exp: 209DB5  
 359.8415 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,988.0,0.00%,F,T)

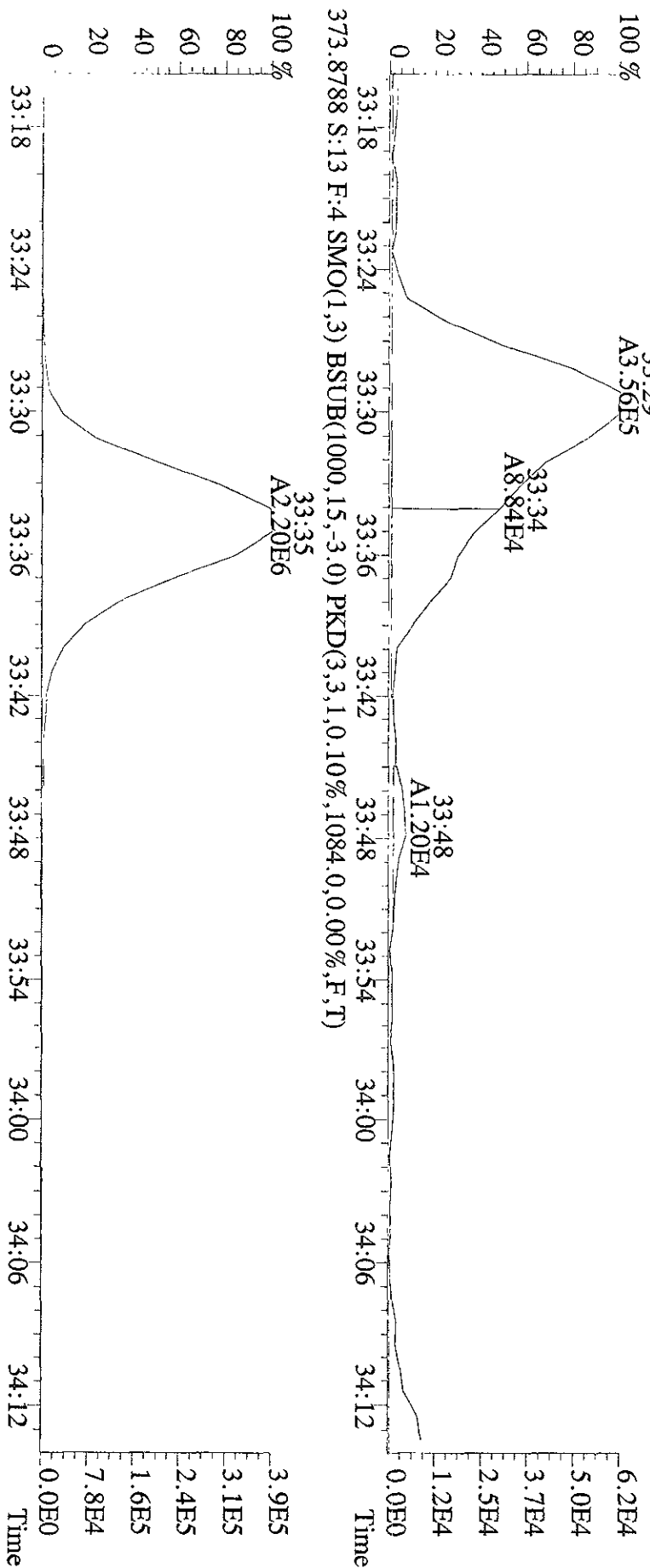


33:30 A3.88E5  
 33:34 A1.34E5  
 33:35 A1.34E5  
 33:48 A1.20E4  
 34:00 A1.20E4  
 361.8385 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1452.0,0.00%,F,T)

**MANUAL EDIT CODES**

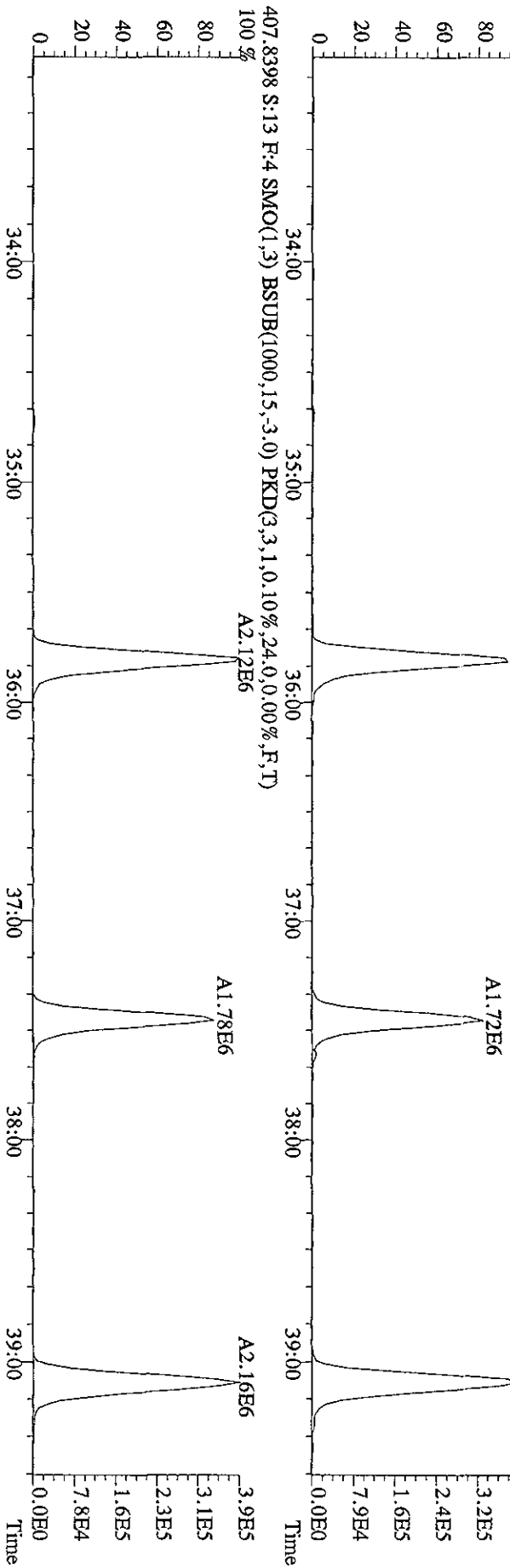
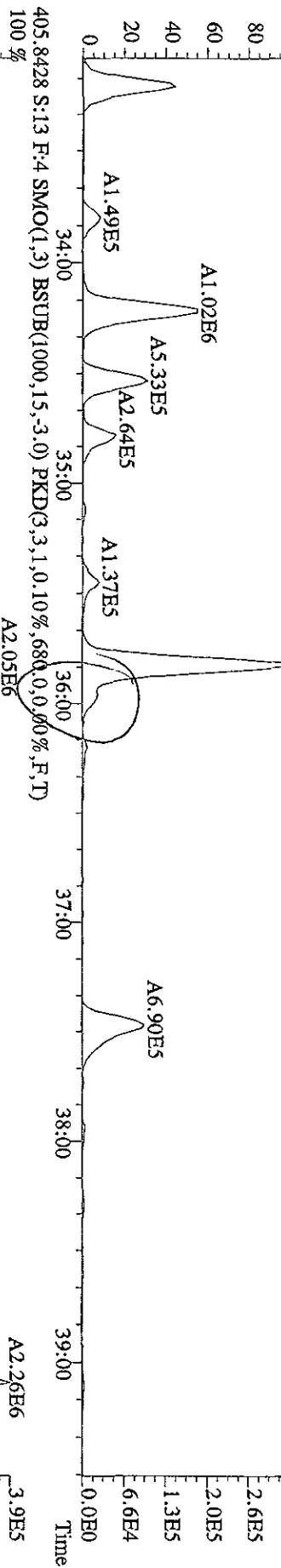
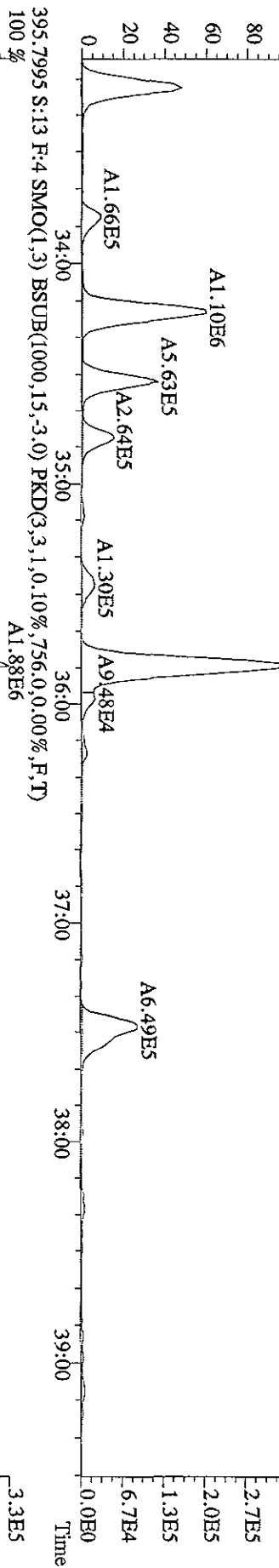
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst S Date 2/20/09



33:18 A3.56E5  
 33:24 A3.56E5  
 33:30 A3.56E5  
 33:34 A8.84E4  
 33:35 A2.20E6  
 33:48 A1.20E4  
 34:00 A1.20E4  
 373.8788 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1084.0,0.00%,F,T)

File:17FEE09A9D5 #1-393 Acq:18-FEB-2009 04:59:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#13 Text:K6HXD-1-AA :G9A300234-2 (5X) Exp:209DB5  
 393.8025 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1716.0,0.00%,F,T)  
 100 % A1.84E6

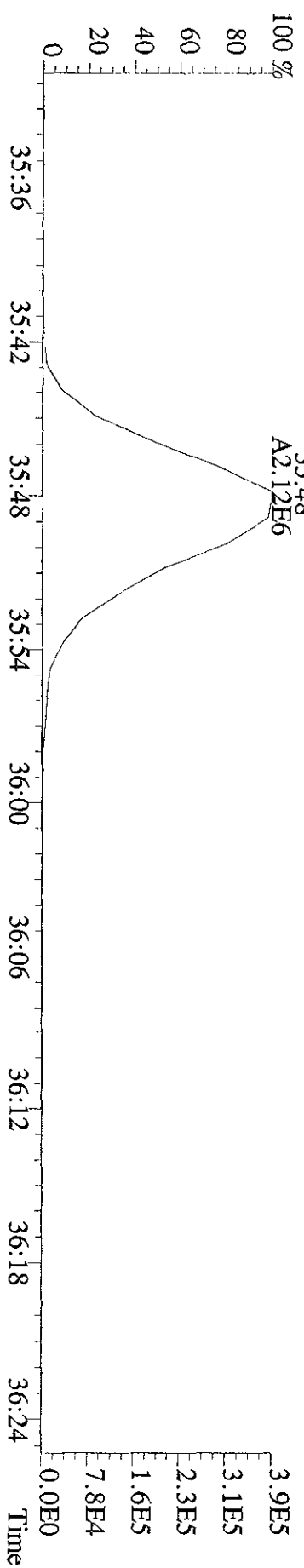
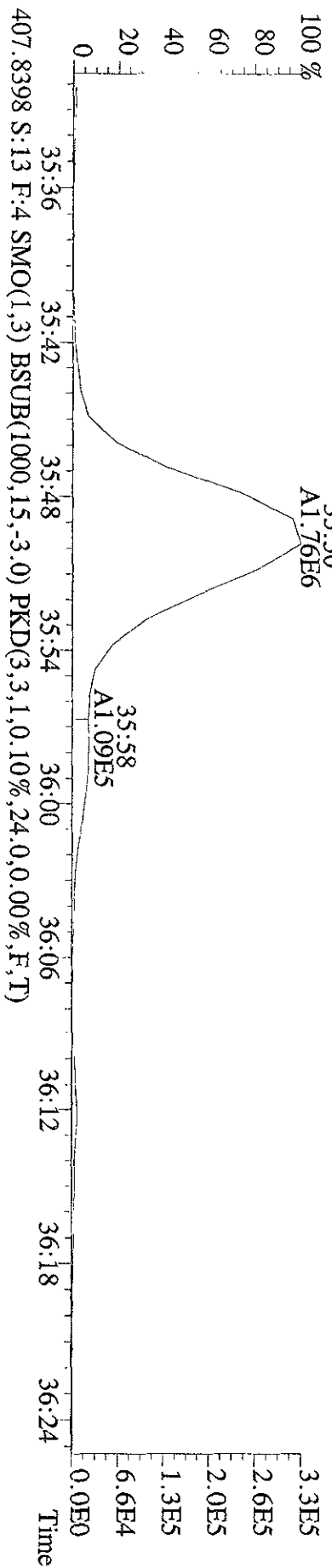
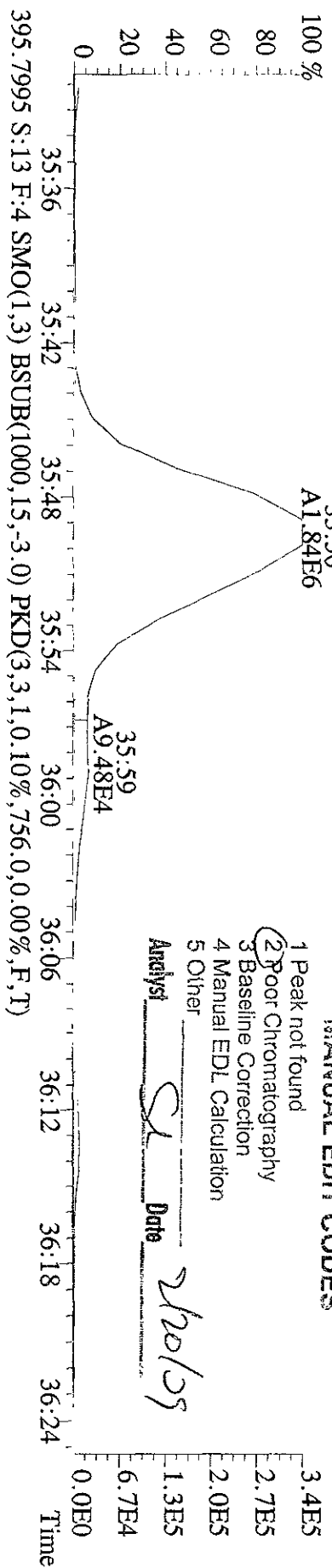


File: I7FEE09A9D5 #1-393 Acq: 18-FEB-2009 04:59:29 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#13 Text: K6HXD-1-AA : G9A300234-2 Exp: 209DB5  
 393.8025 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1716.0,0.00%,F,T)

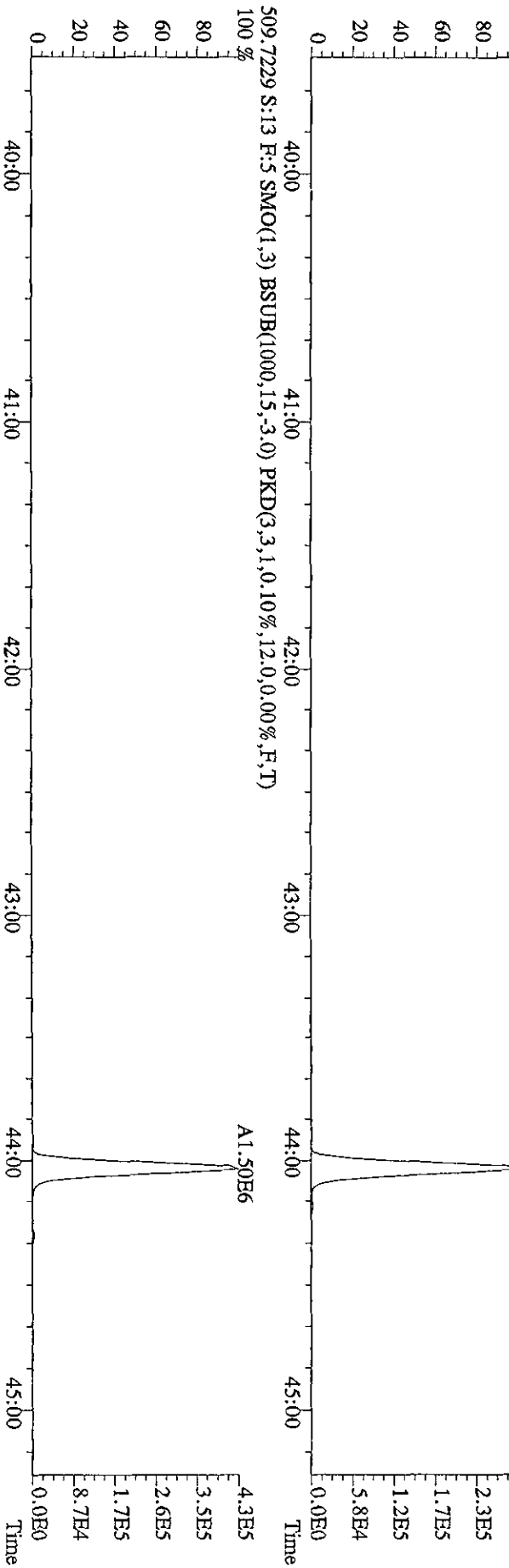
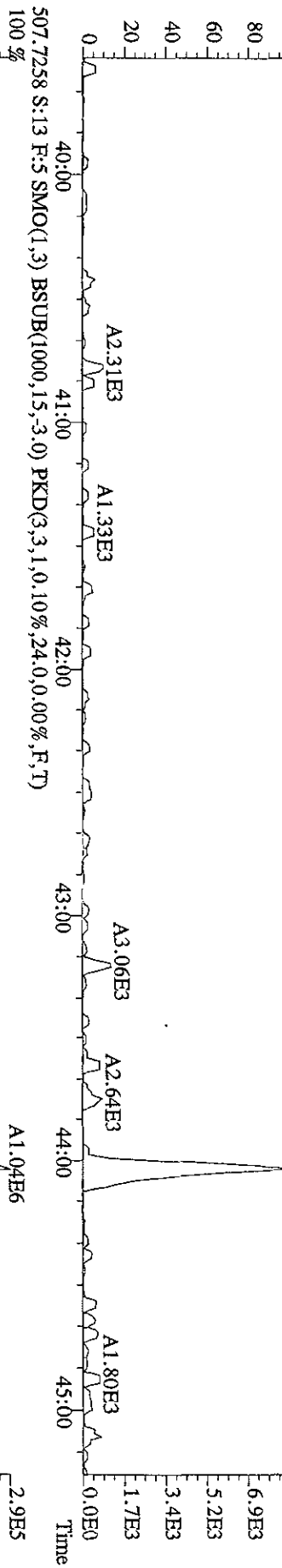
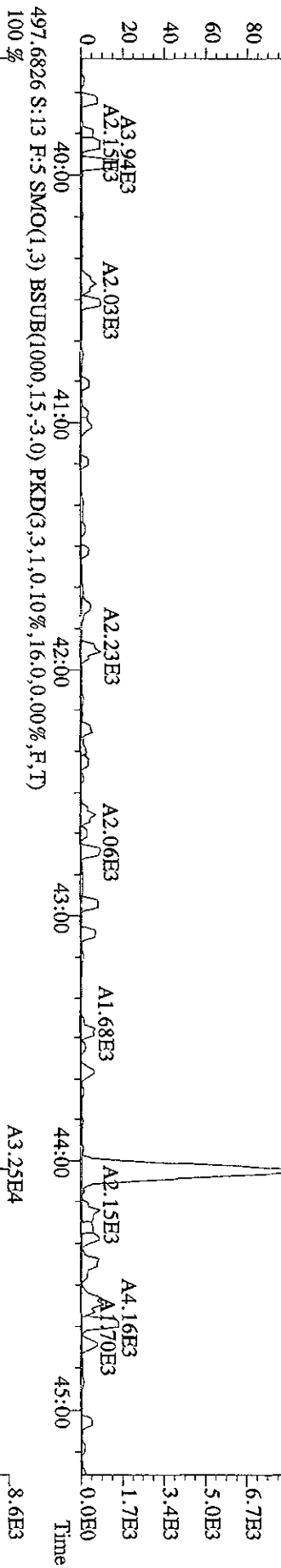
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst SL Date 2/20/09



File:17FEB09A9D5 #1-381 Acq:18-FEB-2009 04:59:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#13 Text:K6HXD-1-AA :G9A300234-2 (5X) Exp:209DB5  
 495.6826 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,56,0,0,0,00%,F,T)



Run text: K6HXE-1-AA Sample text: K6HXE-1-AA :G9A300234-3 (5X)  
 Run #18 Filename: 17FE09A9D5 S: 14 I: 1 Results: 17fe09a9d51668msldec  
 Acquired: 18-FEB-09 05:50:52 Processed: 18-FEB-09 09:05:27  
 Run: 17FE09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 Sample

*PL - low*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	4906210	0.66 y	25:24	-	4.01	-	-	n
13C-TCB-81	3827420	0.76 y	26:59	0.95	3294.11	41.58	82.4	n
TCB-81	*	* n	NotFnd	1.28	*	107.00	-	n
13C-TCB-77	4171320	0.81 y	27:33	0.98	3461.77	40.09	86.5	n
TCB-77	886373	0.88 y	27:33	1.10	770.29	116.45	-	n
13C-PeCB-123	4047910	0.78 n	28:53	0.87	3786.98	13.67	94.7	n
PeCB-123	524414	0.46 n	28:54	1.51	343.41	37.40	-	n
13C-PeCB-118	5029850	0.70 y	29:02	0.98	4165.22	12.10	104.1	n
PeCB-118/106	10543970	0.58 y	29:03	1.53	5487.54	30.71	-	n
13C-PeCB-114	5199420	0.65 y	29:40	0.97	4386.72	12.32	109.7	n
PeCB-114	274880	0.42 n	29:41	1.59	133.38	27.34	-	n
13C-PeCB-105	4997550	0.65 y	30:32	0.90	4541.11	13.27	113.5	n
PeCB-105/127	3645890	0.60 y	30:33	1.42	2051.78	32.58	-	n
13C-PeCB-126	5774630	0.63 y	32:28	0.91	5165.04	13.07	129.1	n
PeCB-126	*	* n	NotFnd	1.17	*	35.38	-	n
13C-OcCB-202	6933460	0.89 y	34:41	-	5.39	-	-	n
13C-HxCB-167	4708280	1.25 y	33:33	0.84	3227.63	10.02	80.7	n
HxCB-167	*	* n	NotFnd	1.17	*	25.11	-	n
13C-HxCB-156	3862560	1.29 y	34:51	0.67	3324.82	12.59	83.1	n
HxCB-156	322286	1.13 y	34:52	1.45	229.82	24.56	-	n
13C-HxCB-157	4171670	1.25 y	35:10	0.71	3404.89	11.93	85.1	n
HxCB-157	56648	0.84 n	35:11	1.45	37.55	23.06	-	n
13C-HxCB-169	4501930	1.36 y	37:01	0.73	3540.86	11.50	88.5	n
HxCB-169	*	* n	NotFnd	0.99	*	34.59	-	n
13C-HpCB-180	3764270	1.02 y	35:47	0.58	3714.64	8.10	92.9	n
HpCB-180	3685850	1.01 y	35:49	1.27	3095.66	21.93	-	y
13C-HpCB-170	3039570	1.02 y	37:26	0.47	3696.28	9.99	92.4	n
HpCB-170/190	1202296	0.99 y	37:27	1.61	984.91	20.63	-	n
13C-HpCB-189	3918310	1.00 y	39:05	0.60	3776.81	7.92	94.4	n
HpCB-189	46734	1.17 y	39:06	1.21	39.55	23.87	-	n
13C-DeCB-209	2238660	0.79 y	44:02	0.46	2806.65	0.36	70.2	n
DeCB-209	30857	0.33 n	44:02	1.50	36.64	0.81	-	n
13C-PeCB-111	5801370	0.64 y	26:52	1.36	3549.59	9.14	88.7	n

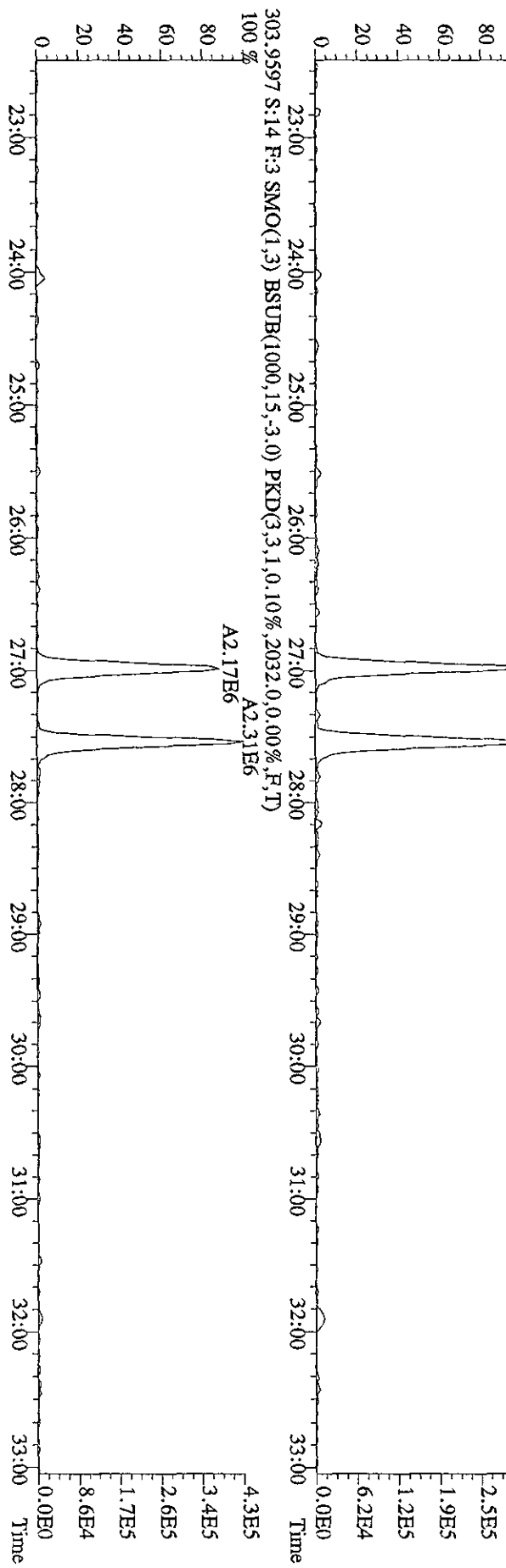
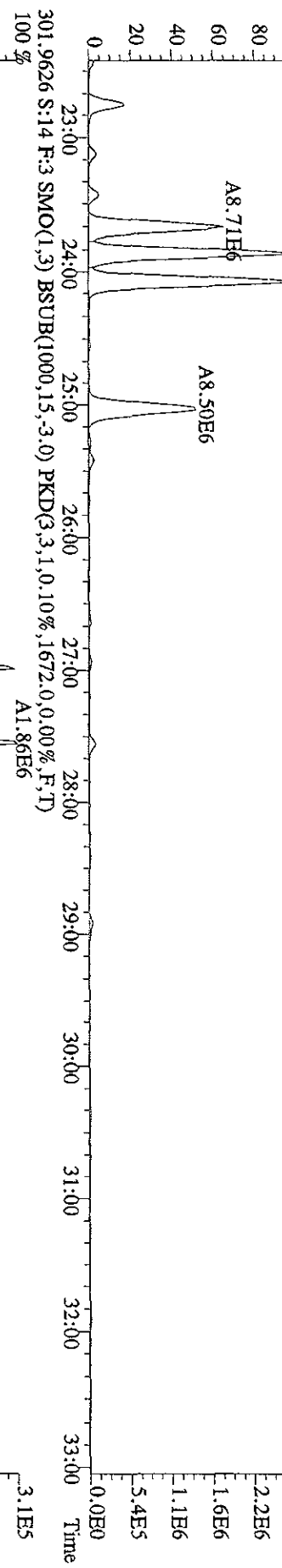
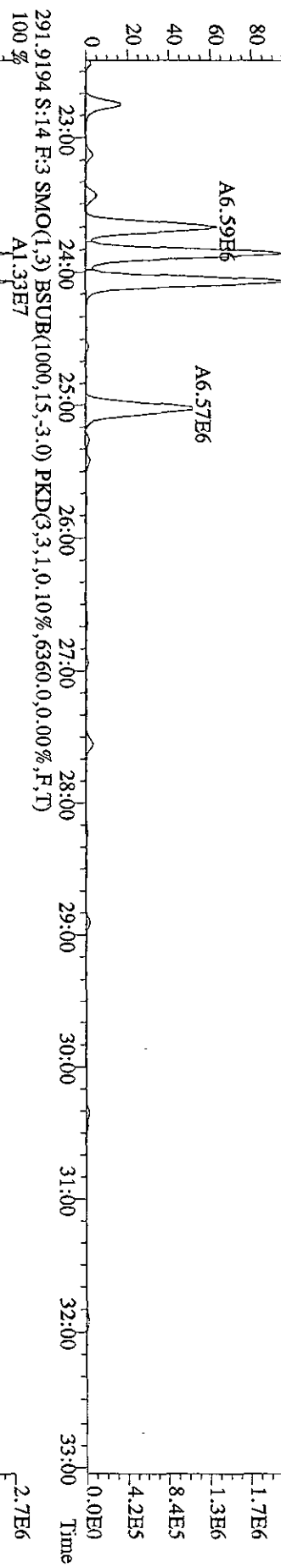
*2/20/09*

Run text: K6HXE-1-AA Sample text: K6HXE-1-AA :G9A300234-3 (5X)  
 Run #18 Filename: 17FE09A9D5 S: 14 I: 1 Results: 17FE09A9D51668MSLDEC  
 Acquired: 18-FEB-09 05:50:52 Processed: 18-FEB-09 09:05:27  
 Run: 17FE09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Sample

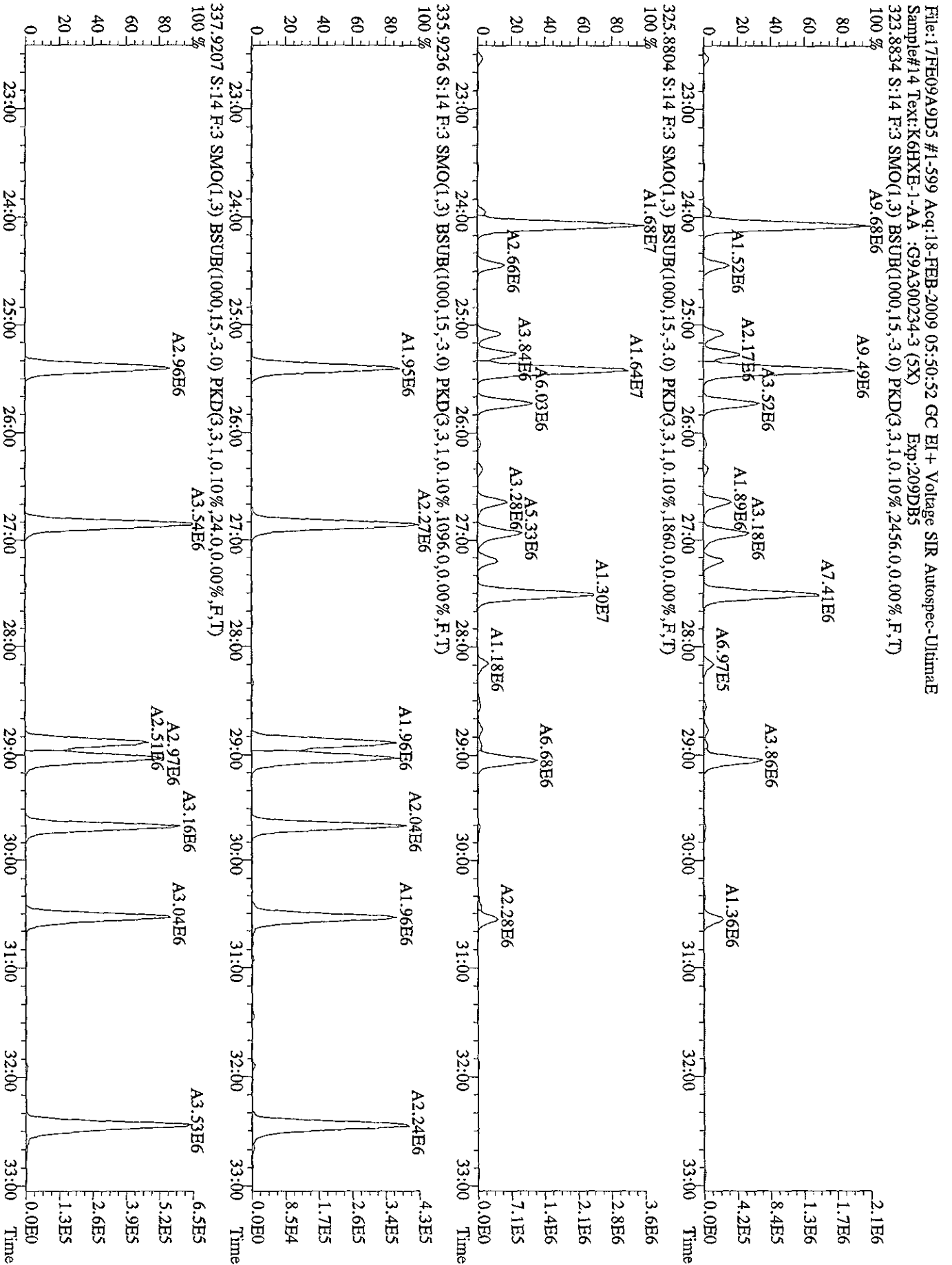
*AL=1000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	4906210	0.66 y	25:24	-	4.01	-	-	n
13C-TCB-81	3827420	0.76 y	26:59	0.95	3294.11	41.58	82.4	n
TCB-81	*	* n	NotFnd	1.28	* <i>CP</i>	107.00	-	n
13C-TCB-77	4171320	0.81 y	27:33	0.98	3461.77	40.09	86.5	n
TCB-77	886373	0.88 y	27:33	1.10	770.29	116.45	-	n
13C-PeCB-123	4047910	0.78 n	28:53	0.87	3786.98	13.67	94.7	n
PeCB-123	524414	0.46 n	28:54	1.51	343.41 <i>LM</i>	37.40	-	n
13C-PeCB-118	5029850	0.70 y	29:02	0.98	4165.22	12.10	104.1	n
PeCB-118/106	10543970	0.58 y	29:03	1.53	5487.54 ✓	30.71	-	n
13C-PeCB-114	5199420	0.65 y	29:40	0.97	4386.72	12.32	109.7	n
PeCB-114	274880	0.42 n	29:41	1.59	133.38 <i>LM</i>	27.34	-	n
13C-PeCB-105	4997550	0.65 y	30:32	0.90	4541.11	13.27	113.5	n
PeCB-105/127	3645890	0.60 y	30:33	1.42	2051.78 ✓	32.58	-	n
13C-PeCB-126	5774630	0.63 y	32:28	0.91	5165.04	13.07	129.1	n
PeCB-126	*	* n	NotFnd	1.17	*	35.38	-	n
13C-OcCB-202	6933460	0.89 y	34:41	-	5.39	-	-	n
13C-HxCB-167	4708280	1.25 y	33:33	0.84	3227.63	10.02	80.7	n
HxCB-167	*	* n	NotFnd	1.17	* <i>CP</i>	25.11	-	n
13C-HxCB-156	3862560	1.29 y	34:51	0.67	3324.82	12.59	83.1	n
HxCB-156	322286	1.13 y	34:52	1.45	229.82	24.56	-	n
13C-HxCB-157	4171670	1.25 y	35:10	0.71	3404.89	11.93	85.1	n
HxCB-157	56648	0.84 n	35:11	1.45	37.55	23.06	-	n
13C-HxCB-169	4501930	1.36 y	37:01	0.73	3540.86	11.50	88.5	n
HxCB-169	*	* n	NotFnd	0.99	*	34.59	-	n
13C-HpCB-180	3764270	1.02 y	35:47	0.58	3714.64	8.10	92.9	n
HpCB-180	3791590	1.07 y	35:49	1.27	3184.47	21.93	-	n
13C-HpCB-170	3039570	1.02 y	37:26	0.47	3696.28	9.99	92.4	n
HpCB-170/190	1202296	0.99 y	37:27	1.61	984.91	20.63	-	n
13C-HpCB-189	3918310	1.00 y	39:05	0.60	3776.81	7.92	94.4	n
HpCB-189	46733	1.17 y	39:06	1.21	39.55	23.87	-	n
13C-DeCB-209	2238660	0.79 y	44:02	0.46	2806.65	0.36	70.2	n
DECB-209	30857	0.33 n	44:02	1.50	36.64	0.81	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	9.14	*	n

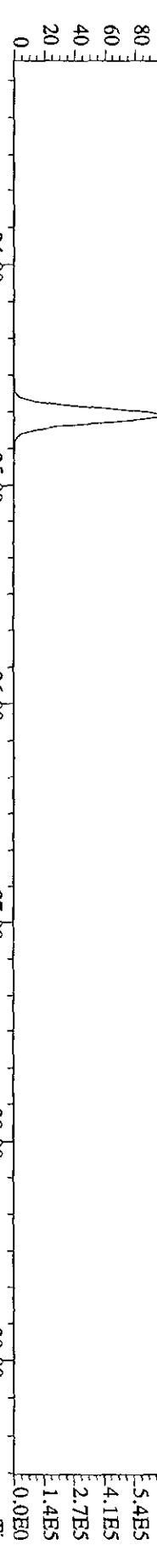
File: 17FEB09A9D5 #1-599 Acq: 18-FEB-2009 05:50:52 GC EI + Voltage SDR Autospec-Ultimate  
 Sample#14 Text: K6HXE-1-AA : G9A300234-3 (5X) Exp: 209DB5  
 289.9224 S: 1.4 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,3040.0,0.00%,F,T)  
 100%







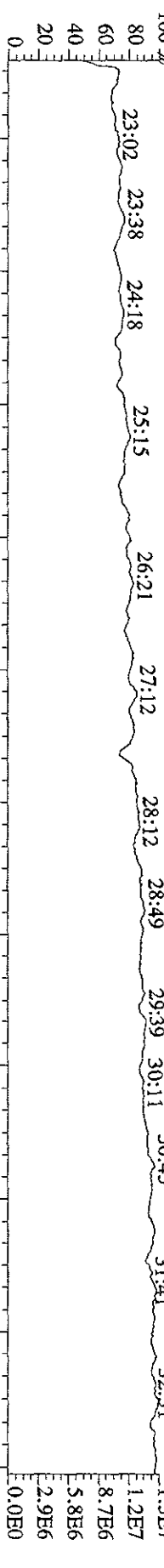
File: 17FEB09A9D5 #1-393 Acq: 18-FEB-2009 05:50:52 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#14 Text: K6HXE-1-AA : G9A300234-3 (SX) Exp: 209DB5  
 439.8038 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,12,0,0,00%,F,T)  
 A3.26B6



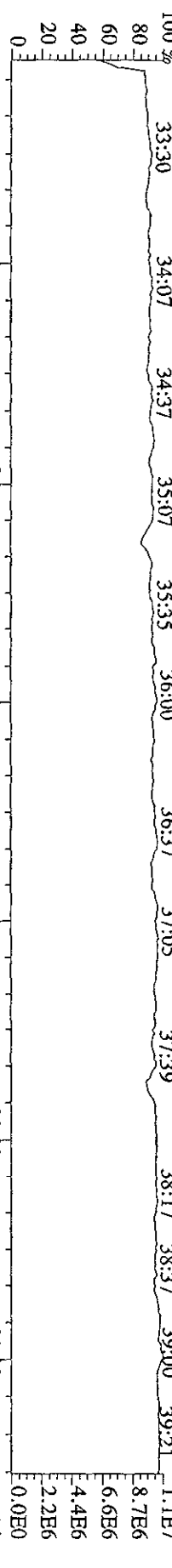
441.8008 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,16,0,0,00%,F,T)  
 A3.67B6



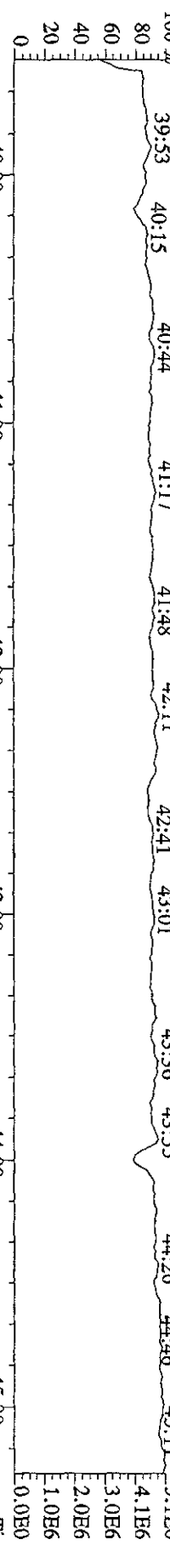
380.9760 S:14 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



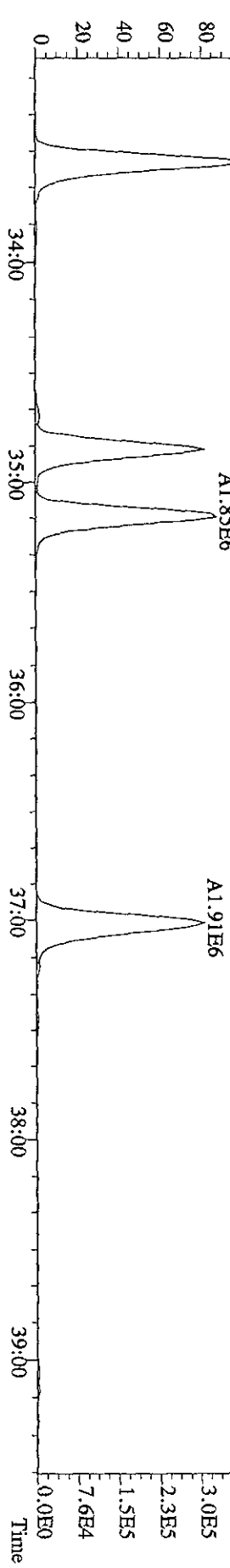
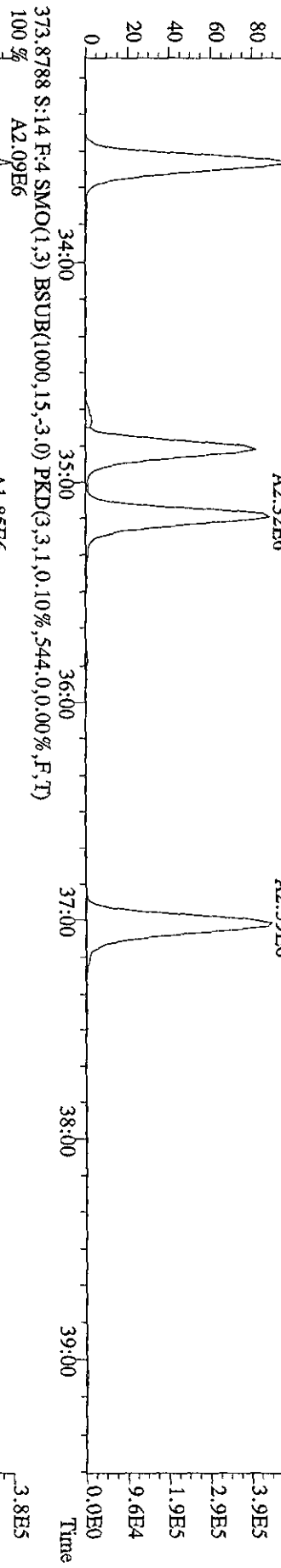
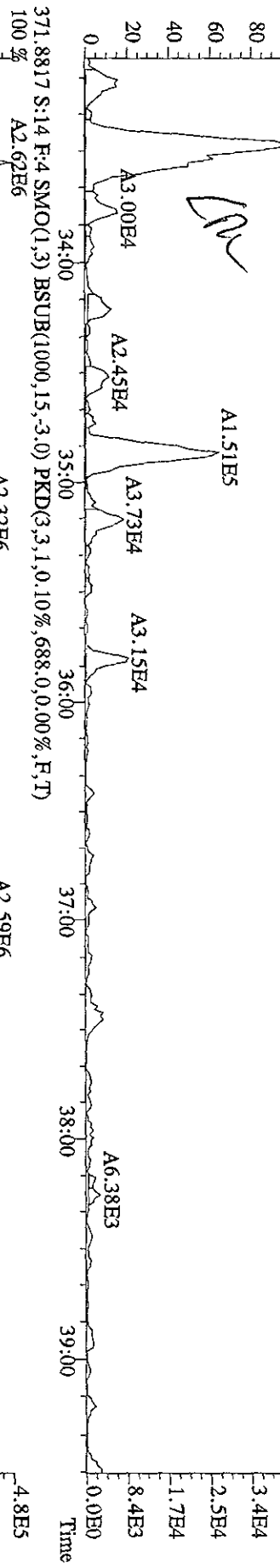
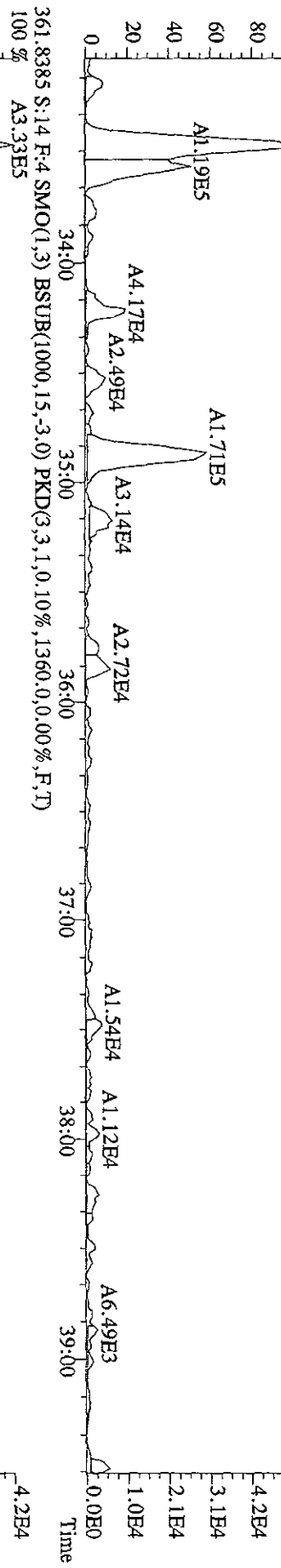
380.9760 S:14 F:4 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



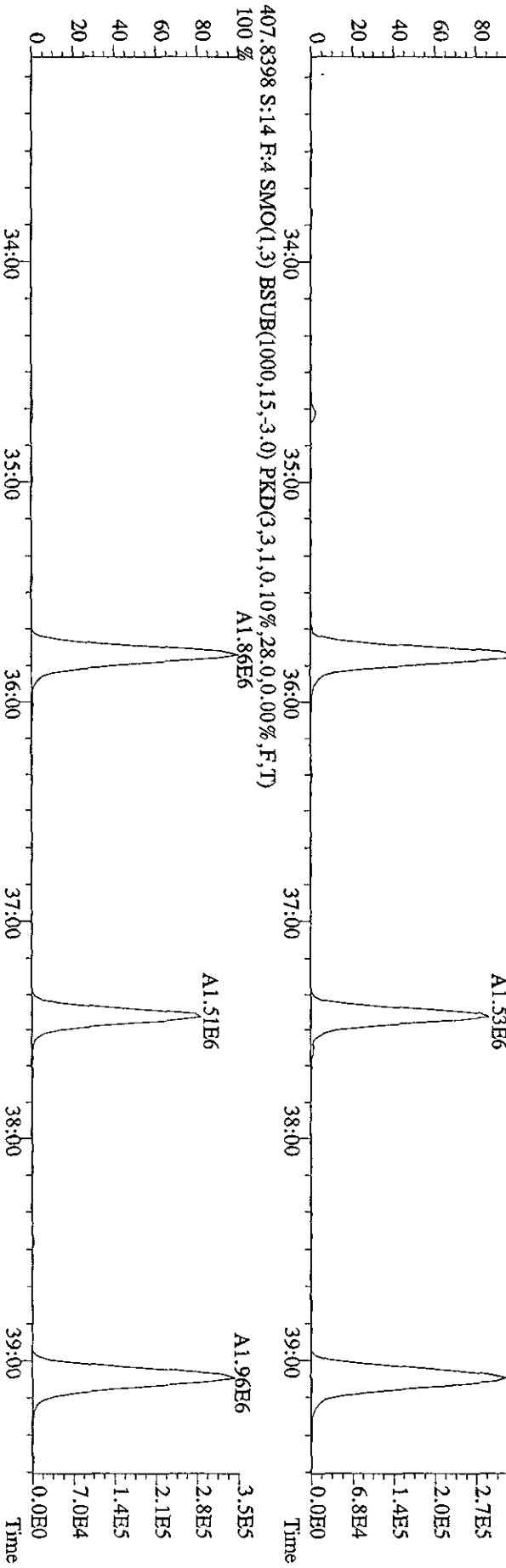
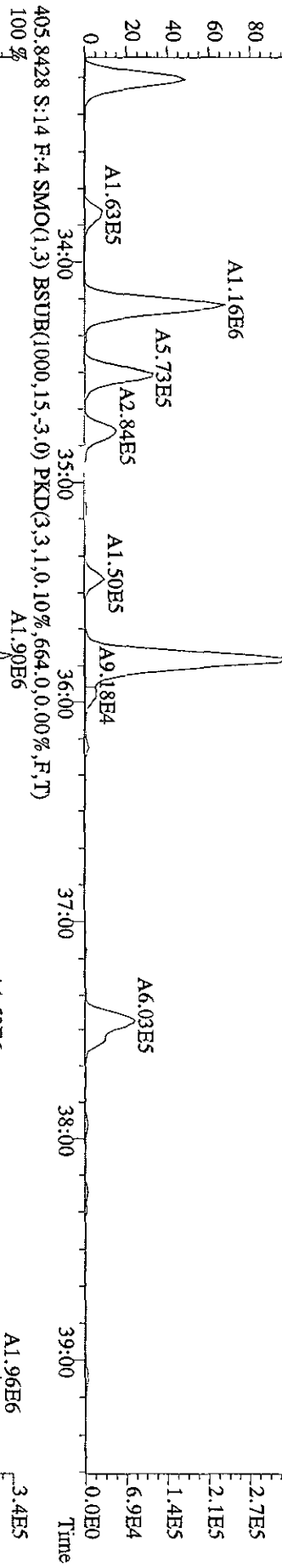
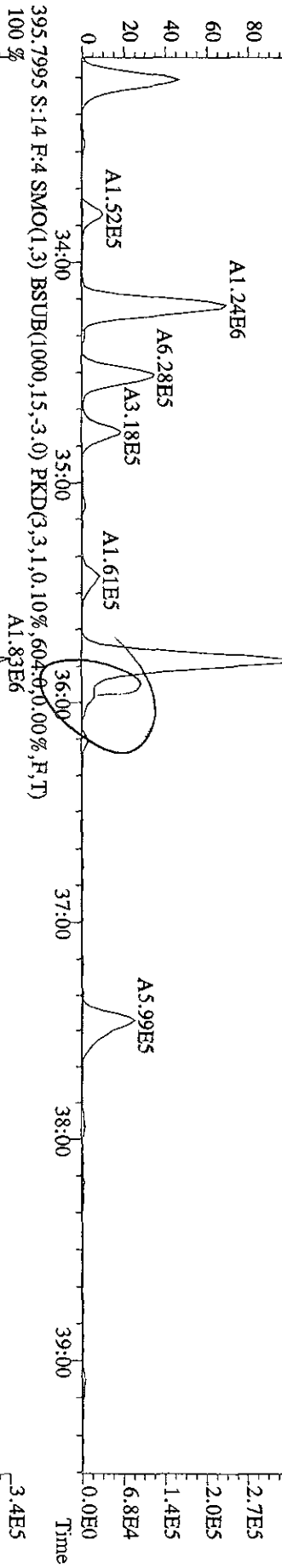
480.9696 S:14 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



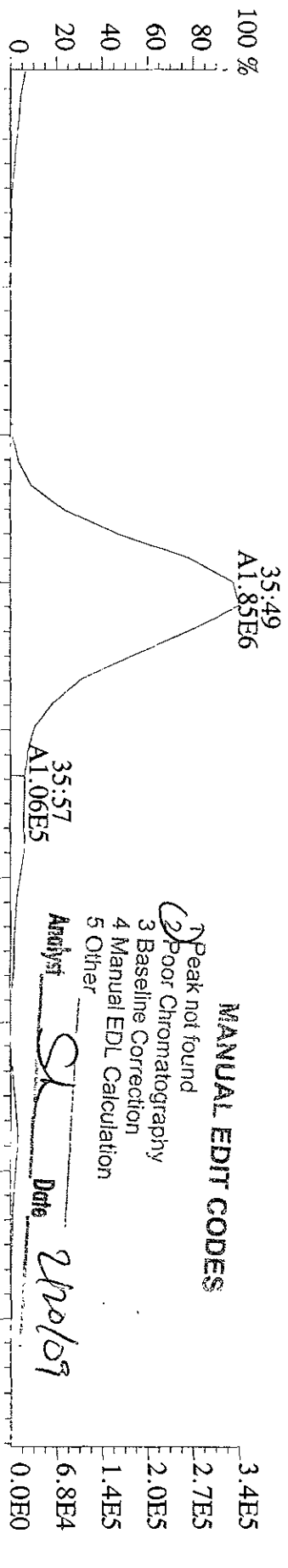
File:17FEE09A9D5 #1-393 Acq:18-FEB-2009 05:50:52 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:K6HXE-1-AA :G9A300234-3 (5X) Exp:209DB5  
 359.8415 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1168,0,0,00%,F,T)  
 100 % A2.78E5



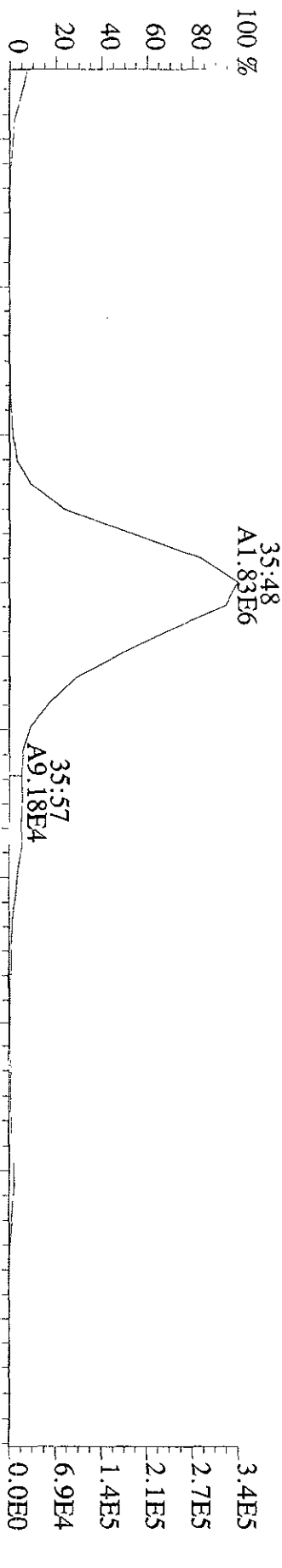
File:17FEB09A9D5 #1-393 Acq:18-FEB-2009 05:50:52 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:KGHXE-1-AA :G9A300234-3 (5X) Exp:209DB5  
 393.8025 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1304.0,0.00%,F,T) A1.966E6



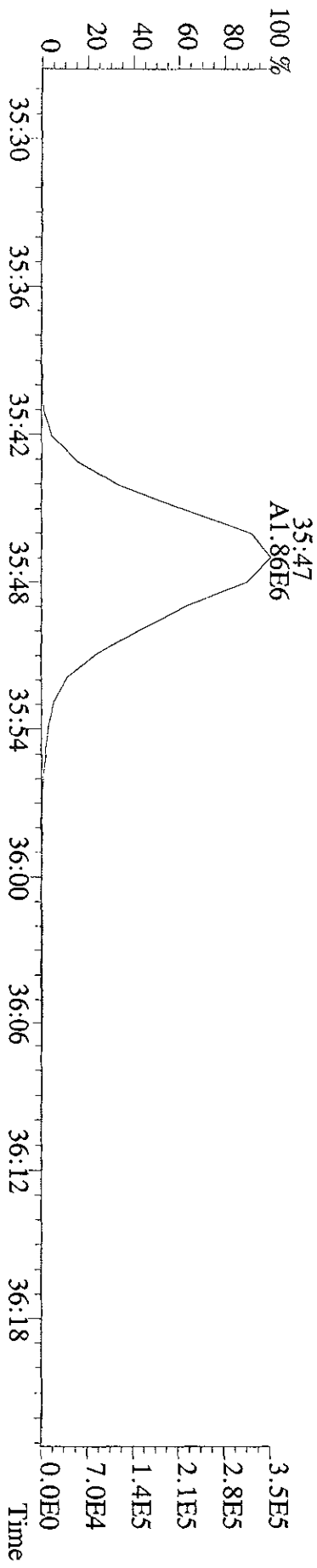
File: 17FHE09A9D5 #1-393 Acq: 18-FEB-2009 05:50:52 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#14 Text: K6HXE-1-AA : G9A300234-3 Exp: 209DB5  
 393.8025 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1304,0,0,0.00%,F,T)



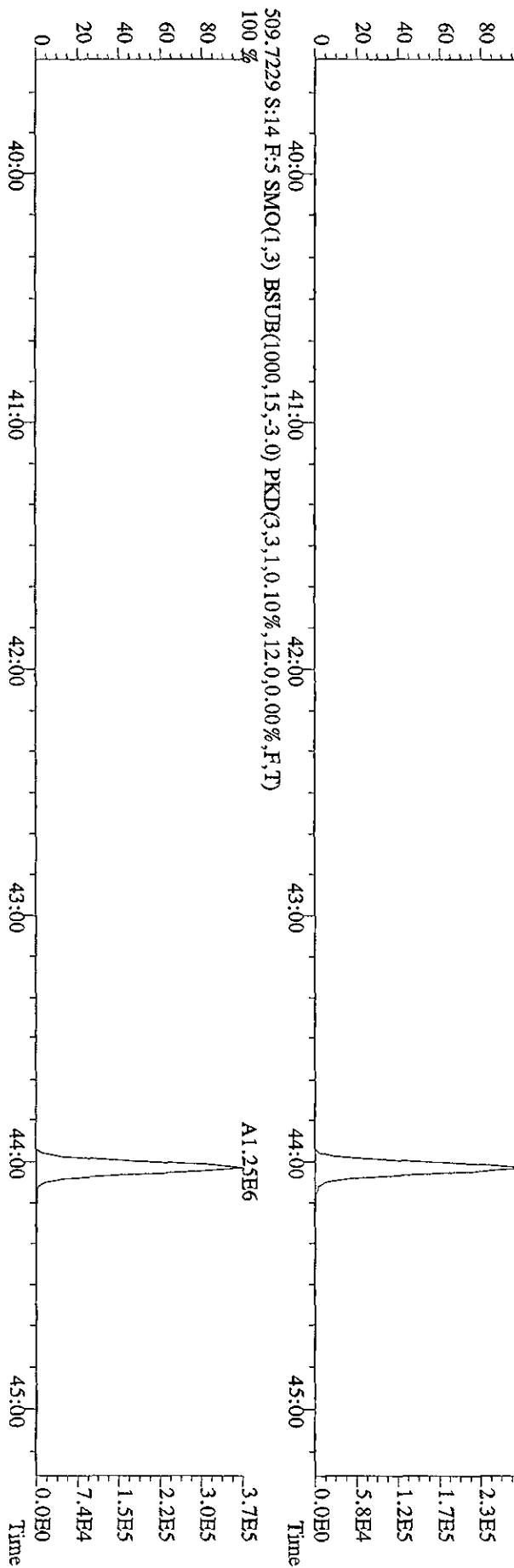
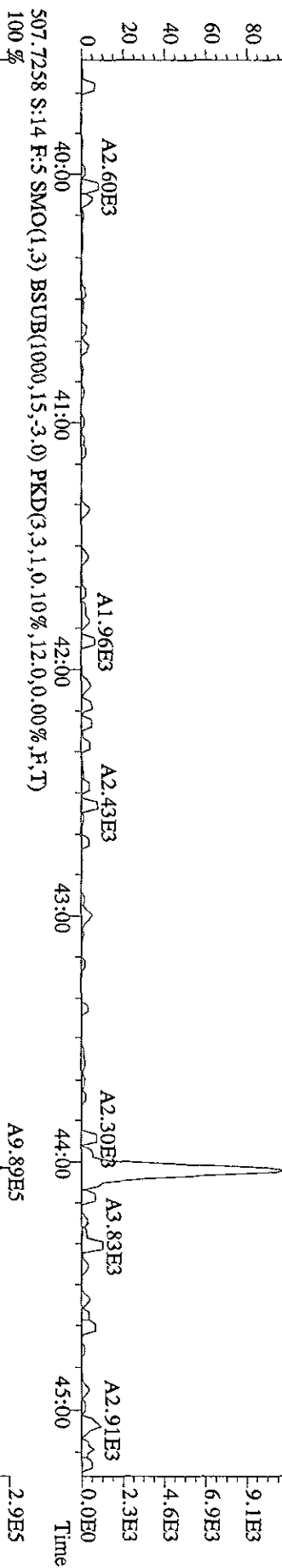
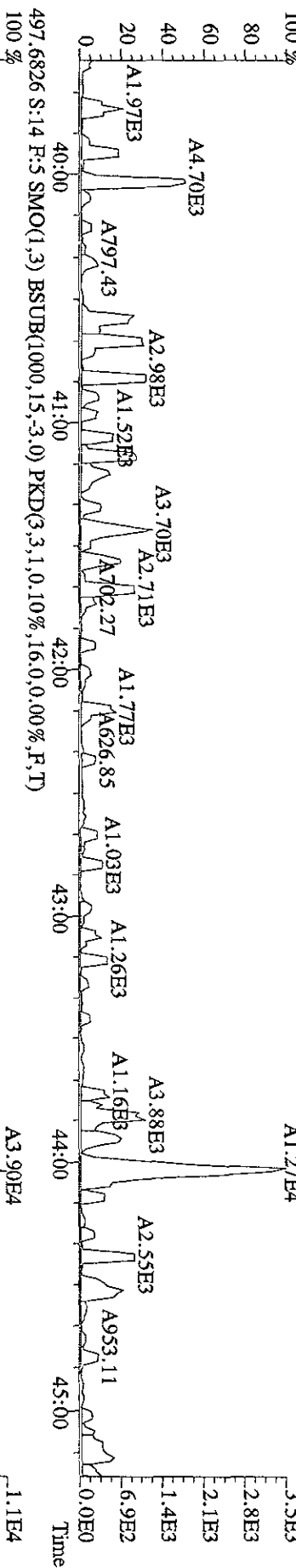
395.7995 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,604,0,0,0.00%,F,T)



407.8398 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,28,0,0,0.00%,F,T)



File:17HE09A9D5 #1-381 Acq:18-FEB-2009 05:50:52 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:K6HXE-1-AA :G9A300234-3 (5X) Exp:209DB5  
 495.6826 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,64,0,0,00%,F,T)

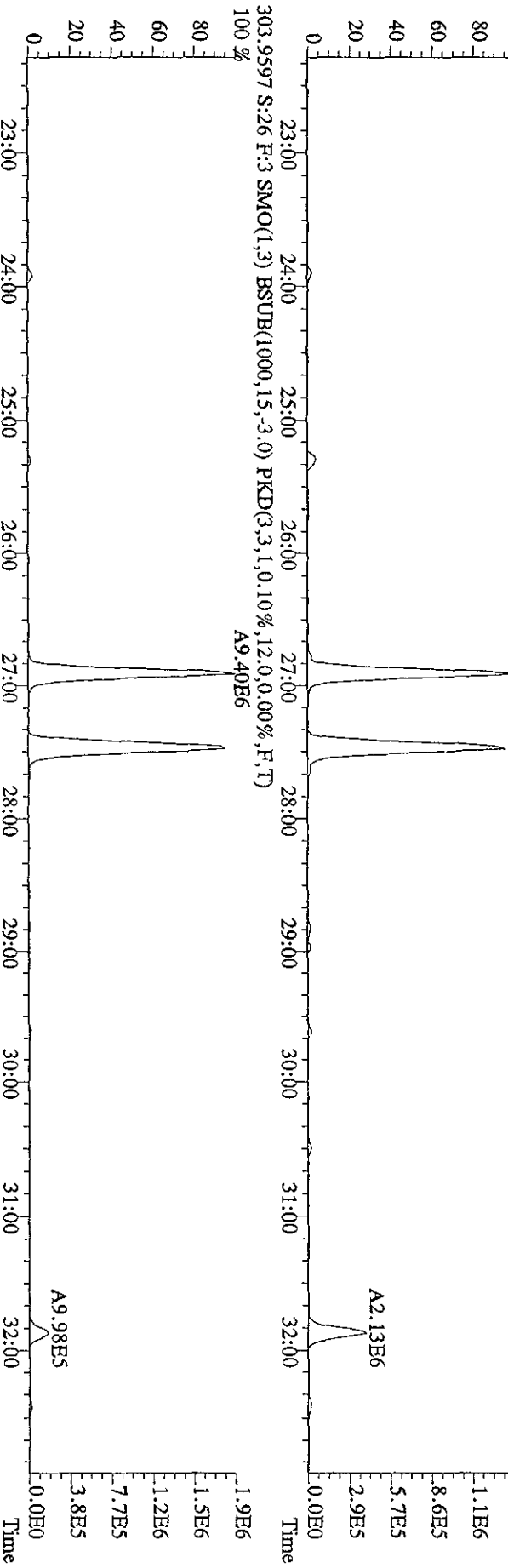
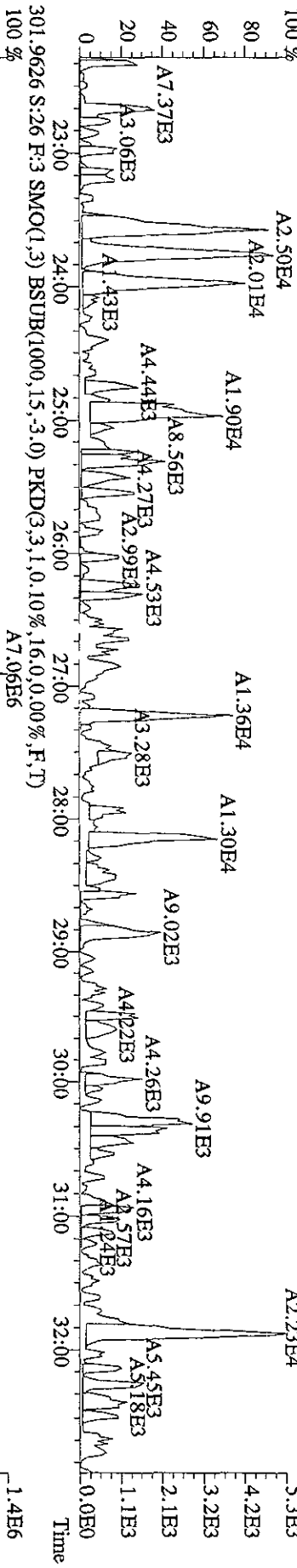
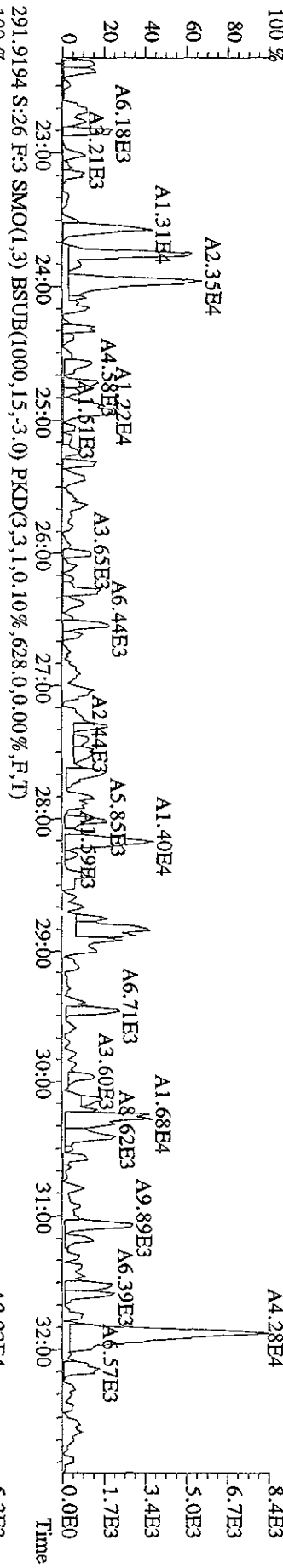


Run text: K6HXF-1-AA Sample text: K6HXF-1-AA :G9A300234-4  
 Run #28 Filename: 16FE099D5 S: 26 I: 1 Results: 16FE099D51668MSLDEC  
 Acquired: 17-FEB-09 08:47:28 Processed: 17-FEB-09 10:08:03  
 Run: 16FE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Sample

*Handwritten:* 22-1000

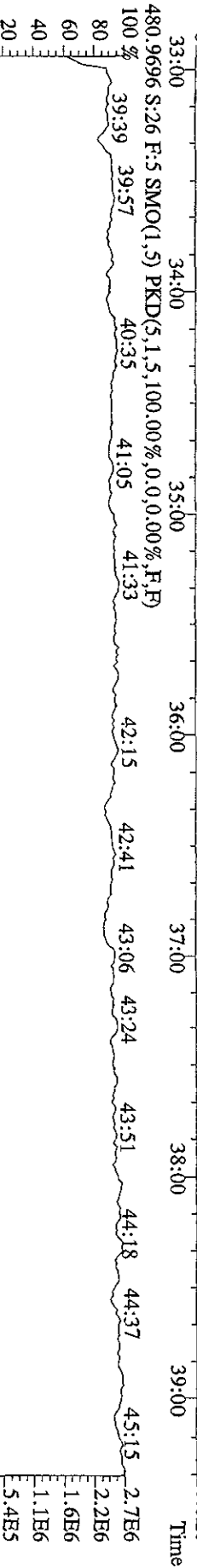
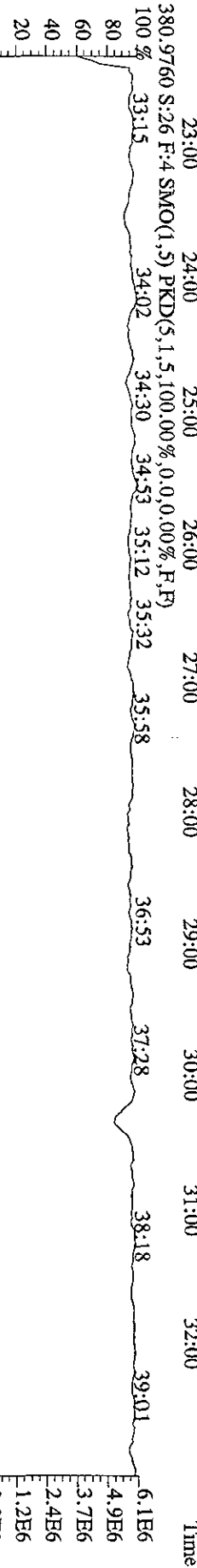
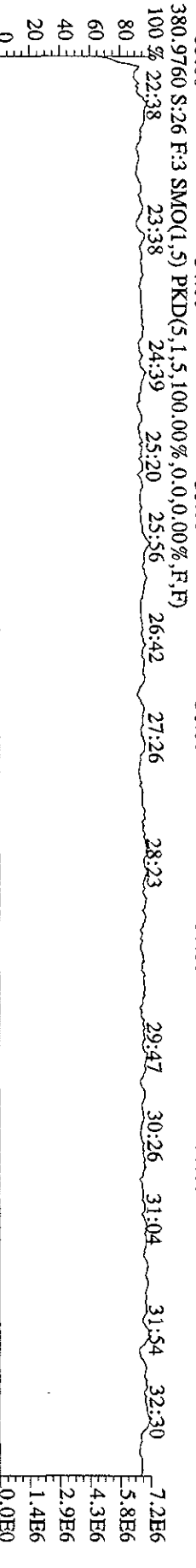
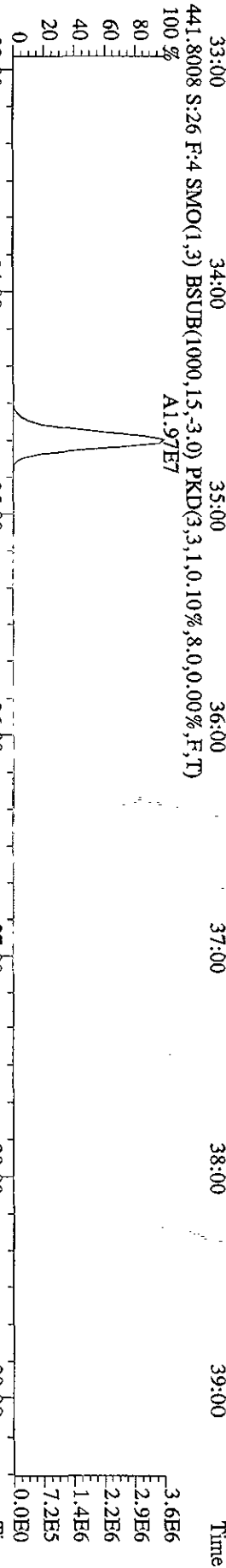
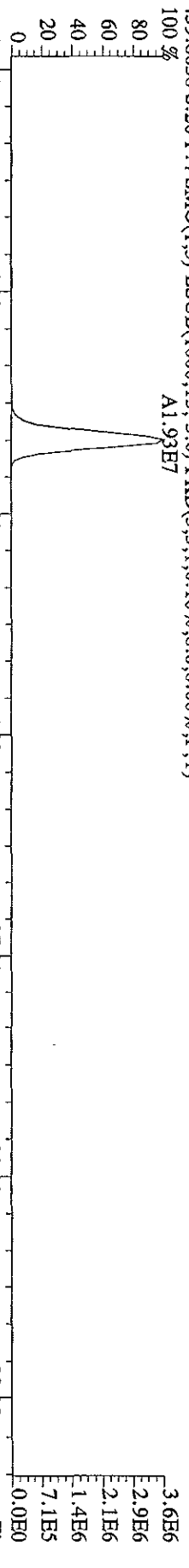
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	38563200	0.66 y	25:18	-	31.54	-	-	n
13C-TCB-81	16453390	0.75 y	26:55	0.95	1801.61	0.04	45.0	n
TCB-81	*	* n	NotFnd	1.28	*	3.14	-	n
13C-TCB-77	17670130	0.75 y	27:29	0.98	1865.68	0.04	46.6	n
TCB-77	5805	1.30 n	27:31	1.10	1.19	3.82	-	n
13C-PeCB-123	25909200	0.65 y	28:50	0.87	3083.82	1.93	77.1	n
PeCB-123	18963	0.86 n	28:52	1.51	1.94	3.32	-	n
13C-PeCB-118	26987300	0.66 y	28:58	0.98	2843.25	1.71	71.1	n
PeCB-118/106	121233	0.66 y	29:00	1.53	11.76	3.24	-	n
13C-PeCB-114	27248500	0.65 y	29:36	0.97	2924.83	1.74	73.1	n
PeCB-114	*	* n	NotFnd	1.59	*	3.11	-	n
13C-PeCB-105	27928400	0.68 y	30:30	0.90	3228.67	1.88	80.7	n
PeCB-105/127	*	* n	NotFnd	1.42	*	3.33	-	n
13C-PeCB-126	32303500	0.66 y	32:26	0.91	3675.97	1.85	91.9	n
PeCB-126	*	* n	NotFnd	1.17	*	3.84	-	n
13C-OcCB-202	39035400	0.98 y	34:40	-	30.33	-	-	n
13C-HxCB-167	34511700	1.27 y	33:32	0.84	4202.22	5.73	105.1	n
HxCB-167	7980	1.24 y	33:34	1.17	0.79	1.54	-	n
13C-HxCB-156	29552000	1.29 y	34:50	0.67	4518.25	7.20	113.0	n
HxCB-156	30311	1.06 y	34:52	1.45	2.83	1.48	-	n
13C-HxCB-157	31200200	1.27 y	35:08	0.71	4523.15	6.83	113.1	n
HxCB-157	6845	1.07 y	35:08	1.45	0.61	1.37	-	n
13C-HxCB-169	33596500	1.24 y	37:00	0.73	4693.49	6.58	117.3	n
HxCB-169	*	* n	NotFnd	0.99	*	2.00	-	n
13C-HpCB-180	25788300	1.01 y	35:47	0.58	4520.12	4.39	113.0	n
HpCB-180	256024	1.04 y	35:48	1.27	31.39	2.55	-	n
13C-HpCB-170	21367600	1.00 y	37:26	0.47	4615.30	5.40	115.4	n
HpCB-170/190	*	* n	NotFnd	1.61	*	2.43	-	n
13C-HpCB-189	29995500	1.02 y	39:04	0.60	5135.39	4.28	128.4	n
HpCB-189	*	* n	NotFnd	1.21	*	2.46	-	n
13C-DeCB-209	21275900	0.72 y	44:01	0.46	4737.82	0.06	118.4	n
DECB-209	25298	0.62 y	44:01	1.50	3.16	0.10	-	n
13C-PeCB-111	29856300	0.66 y	26:47	1.36	3258.01	1.98	81.5	n

File:16FBE099D5 #1-599 Acq:17-FEB-2009 08:47:28 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#26 Text:K6HXF-1-AA :G9A300234-4 Exp:209DB5  
 289.9224 S:26 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,716,0,0,00%,F,T)



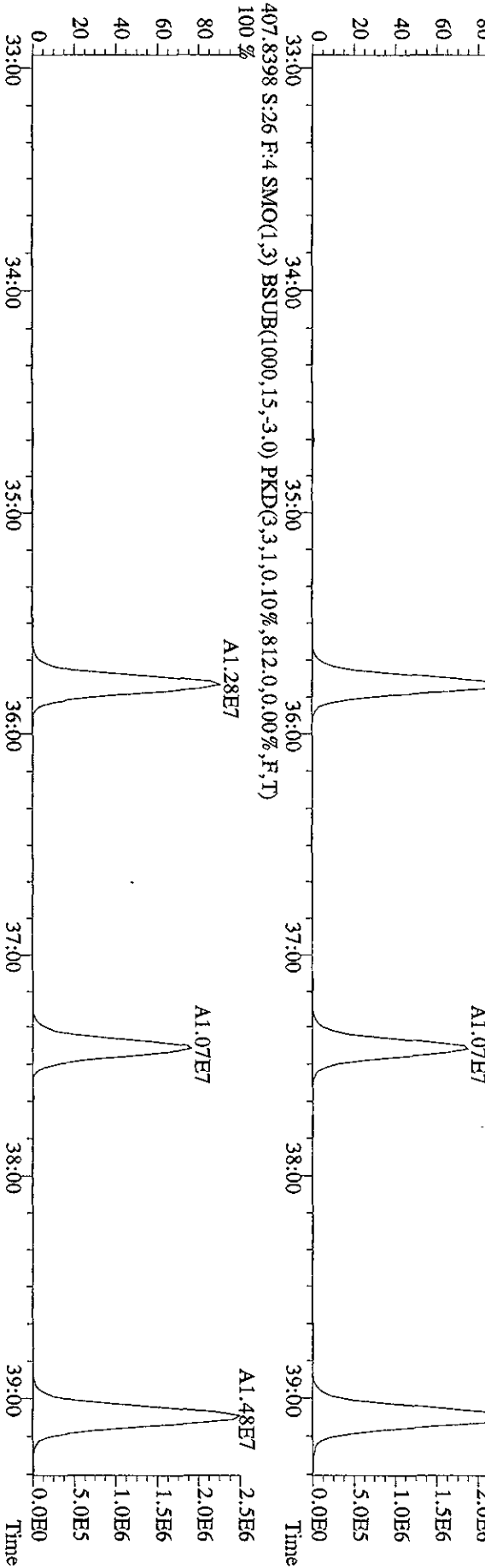
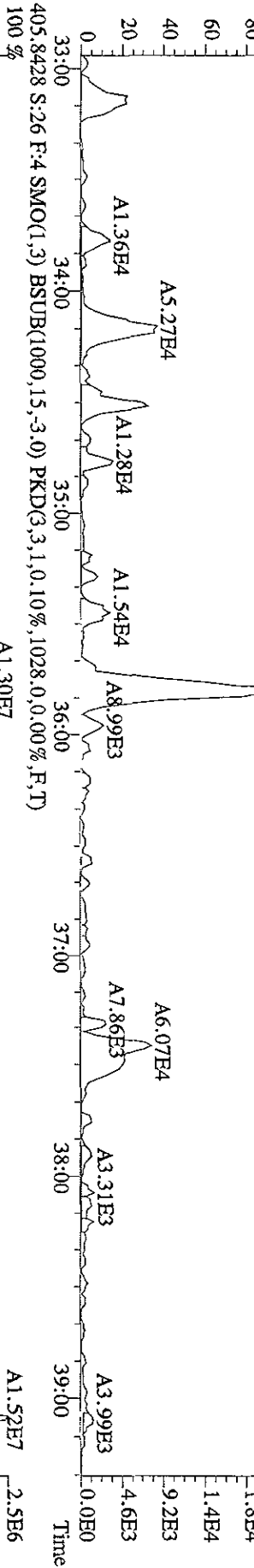
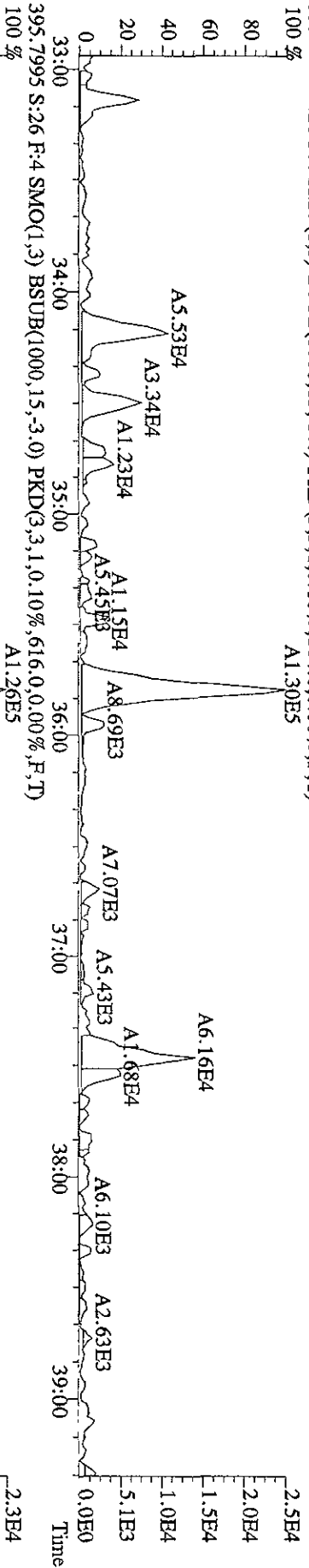






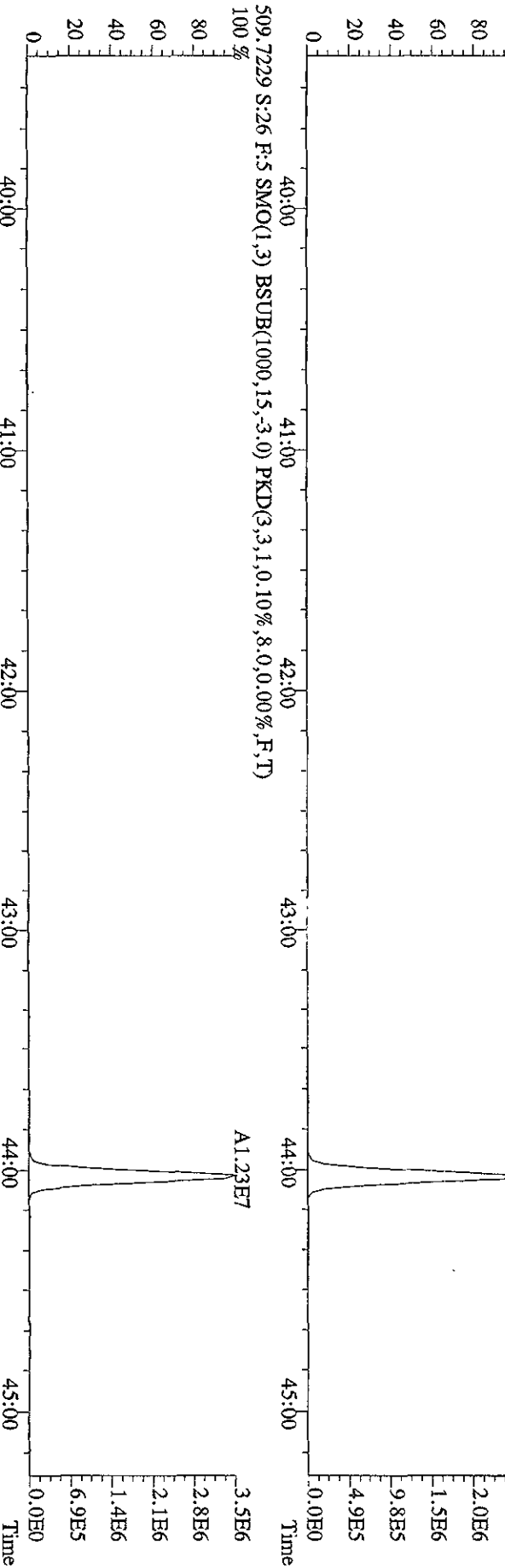
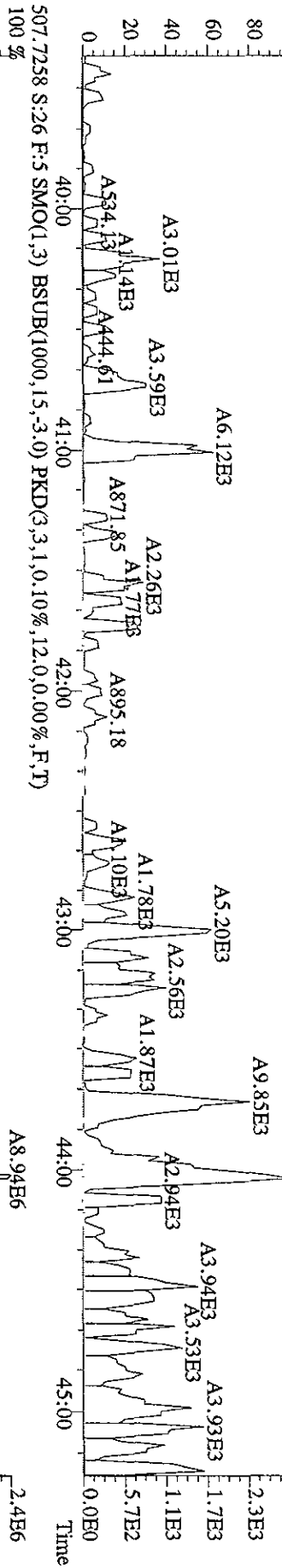
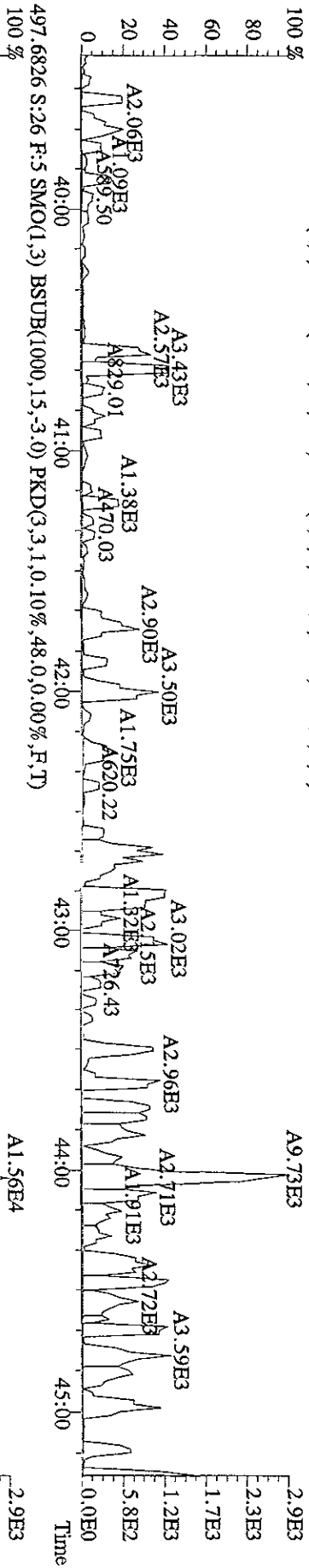


File: 16FEE099D5 #1-391 Acq: 17-FEB-2009 08:47:28 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#26 Text: K6HXF-1-AA :G9A300234-4 Exp: 209DB5  
 393.8025 S:26 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,864,0.0,0.00%,F,T)



Sample#26 Text:K6HXP-1-AA :G9A300234-4

497.6826 S:26 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,48.0,0.00%,F,T)



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668M (Short List + Deca)  
 Column ID DB5  
 STD ID STD216A  
 Analyzed by K.A.S., A.M.  
 Std. Pkg. By M.G.  
 Std. Pkg. Reviewed By J.C.

Associated ICAL 1668M SL DECO11509905  
 Instrument ID 905  
 STD Solution 09PXND16  
 Date Analyzed 2/16/09  
 Date Std. Pkg. Assembled 2/17/09  
 Date Std. Pkg. Reviewed 02/17/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	/
Copy of log-file and Beginning Static Resolution present?	✓	/
Column Performance blow up present	✓	/
Curve Summary present?	✓	/
Summary of Method criteria present or documented below?	✓	/
Daily standard within method specified limits?	✓	/
Analyte retention times correct?	✓	/
Isotopic ratios within limits?	✓	/
Column Performance valley $\leq$ method specified limits?*	✓	/
Are chromatographic windows correct?	✓	/
Samples analyzed within 12 hrs of daily standard?	✓	/
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	/

COMMENTS:

- \* Method 1668A (PCBs):  $\pm 30\%$  from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and  $\pm 50\%$  for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the  $\pm 30\%$  limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have  $\pm 40\%$  limit.
- Method 1614 (DBDs/DBFs):  $\pm 30\%$  from curve RRFs for native analytes and  $\pm 50\%$  from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is  $\pm 30\%$ ).
- \*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).
- Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0216A File text: ST0216A :CS3 09DXN016  
 Run #17 Filename 16FE099D5 S: 14 I: 1  
 Acquired: 16-FEB-09 22:30:51 Processed: 16-FEB-09 23:17:32  
 Run: 16FE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 16FE099D51668MSLDEC

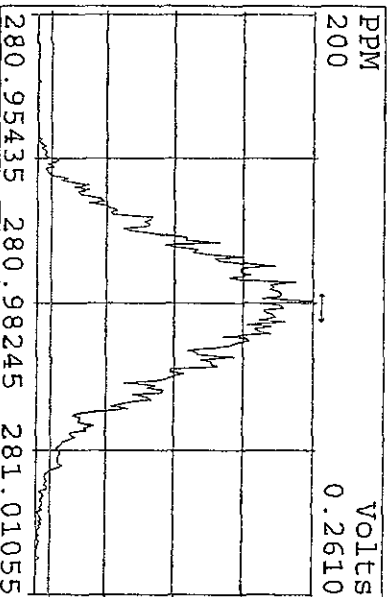
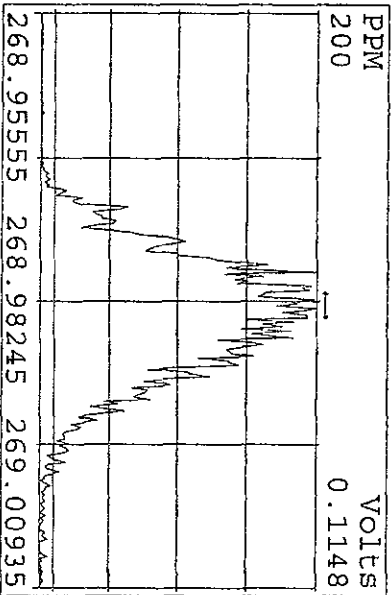
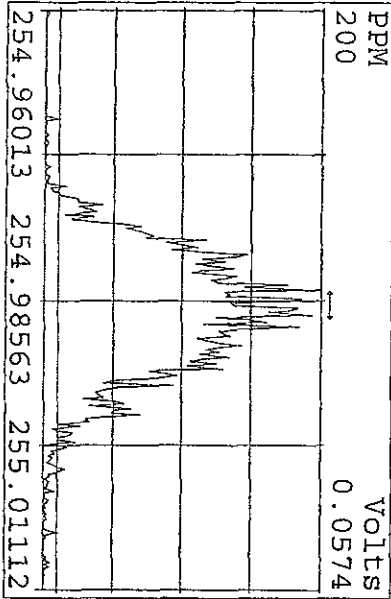
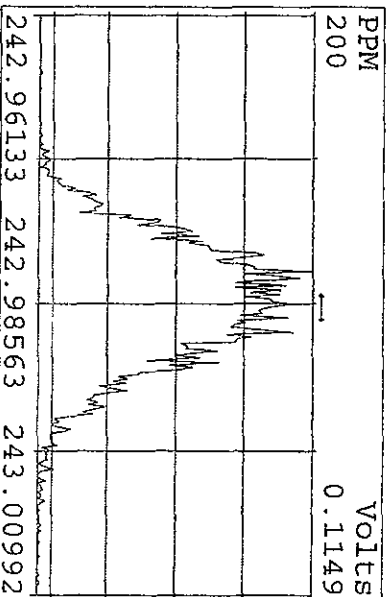
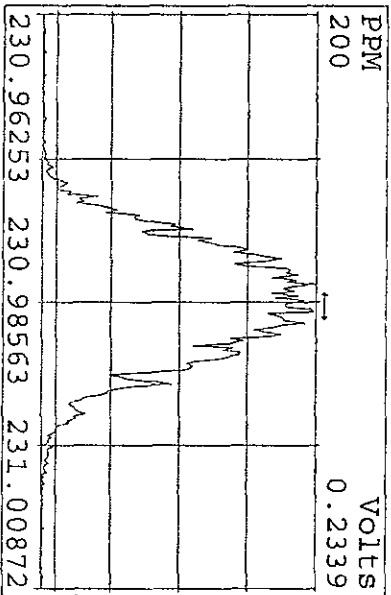
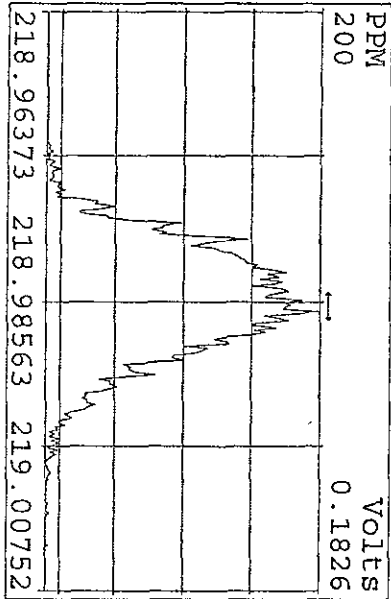
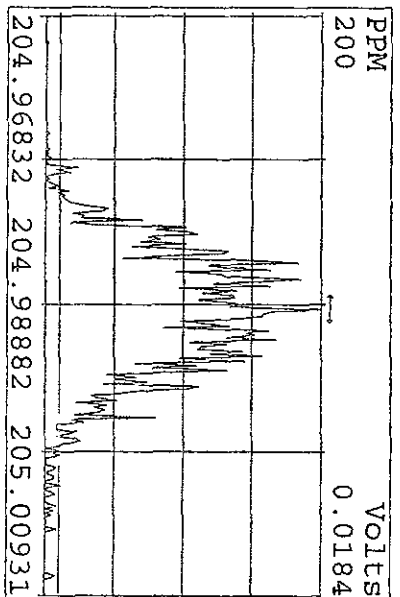
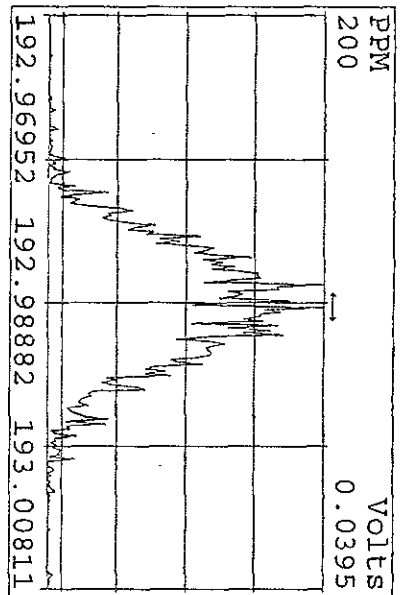
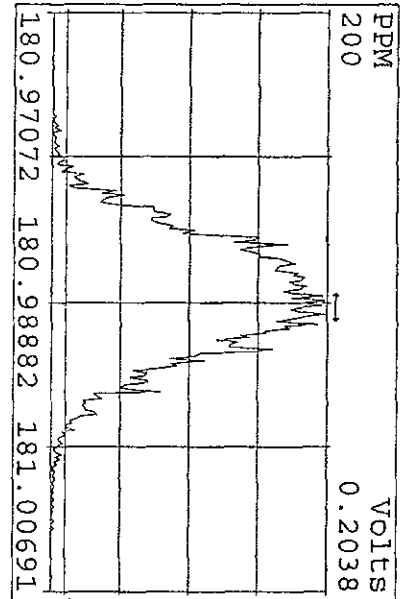
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	44439176	0.67 y	25:18	-	100.00	-	n
13C-TCB-81	39176236	0.76 y	26:54	0.88	100.00	-6.9	n
TCB-81	21235675	0.82 y	26:55	1.08	50.00	-15.2	n
13C-TCB-77	40967492	0.78 y	27:28	0.92	100.00	-6.2	n
TCB-77	20084855	0.83 y	27:30	0.98	50.00	-11.1	n
13C-PeCB-123	41916260	0.64 y	28:50	0.94	100.00	8.2	n
PeCB-123	29726841	0.58 y	28:51	1.42	50.00	-6.0	n
13C-PeCB-118	44003742	0.67 y	28:58	0.99	100.00	0.6	n
PeCB-118/106	31150281	0.59 y	28:59	1.42	50.00	-7.3	n
13C-PeCB-114	45478996	0.64 y	29:38	1.02	100.00	5.9	n
PeCB-114	33904352	0.60 y	29:39	1.49	50.00	-6.0	n
13C-PeCB-105	43600118	0.65 y	30:30	0.98	100.00	9.3	n
PeCB-105/127	28920866	0.59 y	30:31	1.33	50.00	-6.7	n
13C-PeCB-126	47054958	0.66 y	32:26	1.06	100.00	16.2	n
PeCB-126	26401848	0.59 y	32:26	1.12	50.00	-4.4	n
13C-OcCB-202	52952348	0.91 y	34:40	-	100.00	-	n
13C-HxCB-167	41893184	1.27 y	33:32	0.79	100.00	-6.0	n
HxCB-167	23997337	1.28 y	33:33	1.15	50.00	-2.0	n
13C-HxCB-156	32883475	1.30 y	34:50	0.62	100.00	-7.3	n
HxCB-156	23450534	1.29 y	34:52	1.43	50.00	-1.8	n
13C-HxCB-157	35313696	1.26 y	35:09	0.67	100.00	-5.7	n
HxCB-157	24759997	1.24 y	35:11	1.40	50.00	-3.1	n
13C-HxCB-169	38237746	1.25 y	37:01	0.72	100.00	-1.6	n
HxCB-169	18365361	1.27 y	37:02	0.96	50.00	-2.9	n
13C-HpCB-180	32009326	1.02 y	35:47	0.60	100.00	3.4	n
HpCB-180	19979290	1.07 y	35:48	1.25	50.00	-1.3	n
13C-HpCB-170	25966880	0.99 y	37:26	0.49	100.00	3.4	n
HpCB-170/190	20460974	1.06 y	37:27	1.58	50.00	-1.9	n
13C-HpCB-189	33972829	1.04 y	39:05	0.64	100.00	7.2	n
HpCB-189	20454643	1.07 y	39:06	1.20	50.00	-0.2	n
13C-DeCB-209	24462489	0.69 y	44:03	0.46	100.00	0.4	n
DECB-209	17979730	0.68 y	44:03	1.47	50.00	-2.3	n
13C-PeCB-111	54322628	0.64 y	26:46	1.24	100.00	-8.5	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
16FE099D5	1	ST0216	CS3 09DXN016				1.00000	
16FE099D5	2	SB0216	Solvent Blank C-12				1.00000	
16FE099D5	3	K6HEX-1-CD	F9A300184-7	20	1668/SOLID	72	10.01500	g
16FE099D5	4	K5H9J-2-AA	G9A070201-5RX	20	1668/WATER	76	0.59660	L
16FE099D5	5	K5H9D-2-AA	G9A070201-3RX	20	1668/WATER		0.95300	L
16FE099D5	6	K6KC1-1-C1	F9B020113-1	20	1668/SOLID		10.04500	g
16FE099D5	7	K624M-1-AC	G9B110000-373C	20	1668/SOLID	80	10.00000	g
16FE099D5	8	K624M-1-AA	G9B110000-373B	20	1668/SOLID		10.00000	g
16FE099D5	9	K6LWT-1-C2	F9B030166-1	20	1668/SOLID		10.26000	g
16FE099D5	10	K6L0C-1-CD	F9B030166-4	20	1668/SOLID		20.27500	g
16FE099D5	11	K6L0G-1-CD	F9B030166-8	20	1668/SOLID		10.08000	g
16FE099D5	12	K6L0L-1-CD	F9B030166-9	20	1668/SOLID		10.06500	g
16FE099D5	13	SB0216A	Solvent Blank C-12				1.00000	
16FE099D5	14	ST0216A	CS3 09DXN016				1.00000	
16FE099D5	15	SB0216B	Solvent Blank C-12				1.00000	
16FE099D5	16	K6L0Q-1-CD	F9B030166-12	20	1668/SOLID	80	10.13000	g
16FE099D5	17	K6L0Q-1-FA	F9B030166-12S	20	1668/SOLID		10.00000	g
16FE099D5	18	K6L0Q-1-FC	F9B030166-12D	20	1668/SOLID		10.12500	g
16FE099D5	19	K6L0X-1-CD	F9B030166-14	20	1668/SOLID		10.00000	g
16FE099D5	20	K6L1J-1-CD	F9B030166-17	20	1668/SOLID		10.05000	g
16FE099D5	21	K6L2X-1-AA	G9B030000-255B	20	1668/AIR	73	0.50000	Sam
16FE099D5	22	K6L2X-1-AC	G9B030000-255C	20	1668/AIR		0.50000	Sam
16FE099D5	23	K6HW4-1-AA	G9A300234-1	20	1668/AIR		0.50000	Sam
16FE099D5	24	K6HXD-1-AA	G9A300234-2	20	1668/AIR		0.50000	Sam
16FE099D5	25	K6HXE-1-AA	G9A300234-3	20	1668/AIR		0.50000	Sam
16FE099D5	26	K6HXF-1-AA	G9A300234-4	20	1668/AIR		0.50000	Sam
16FE099D5	27	K6KW4-1-AD	G9B020164-1	10	1668/AIR		0.33330	Sam
16FE099D5	28	SB0216C	Solvent Blank C-12				1.00000	
16FE099D5	29	ST0216B	CS3 09DXN016				1.00000	
16FE099D5	30	SB0216D	Solvent Blank C-12				1.00000	
16FE099D5	31	K6Q4R-1-AC	G9B050000-237C	10	1668/AIR	73	0.33330	Sam
16FE099D5	32	K6Q4R-1-AA	G9B050000-237B	10	1668/AIR		0.33330	Sam
16FE099D5	33	K6KXH-1-AD	G9B020165-1	10	1668/AIR		0.33330	Sam
16FE099D5	34	K65E8-1-AA	G9B120000-429B	20	1668/AIR	80	0.50000	Sam
16FE099D5	35	K65E8-1-AC	G9B120000-429C	20	1668/AIR		0.50000	Sam
16FE099D5	36	K65E8-1-AD	G9B120000-429L	20	1668/AIR		0.50000	Sam
16FE099D5	37	K60W3-1-AC	G9B100148-1	20	1668/AIR		0.50000	Sam
16FE099D5	38	K60XA-1-AC	G9B100148-2	20	1668/AIR		0.50000	Sam
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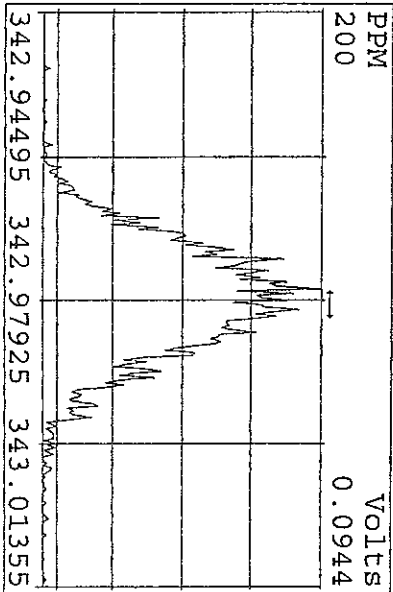
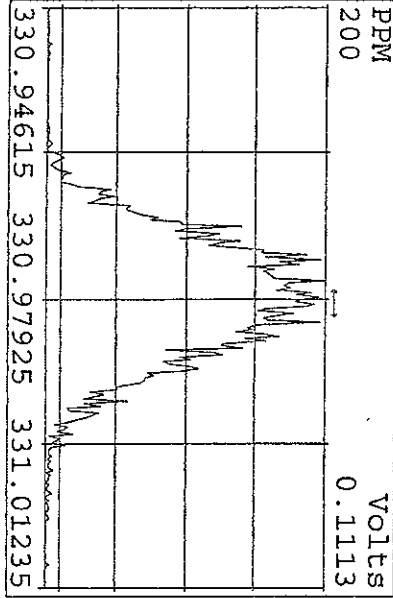
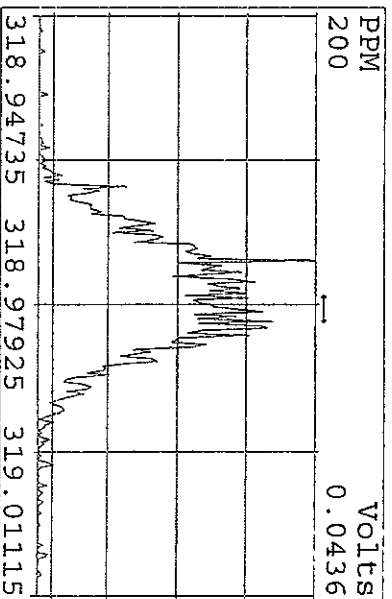
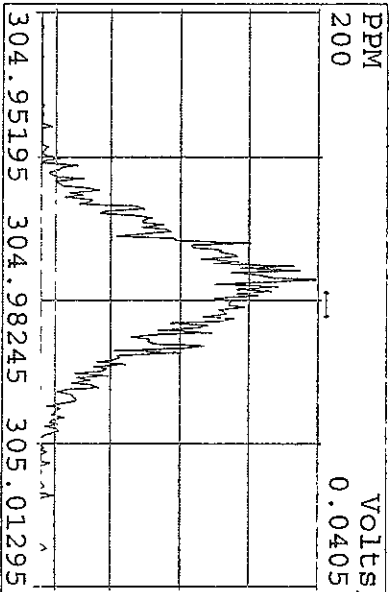
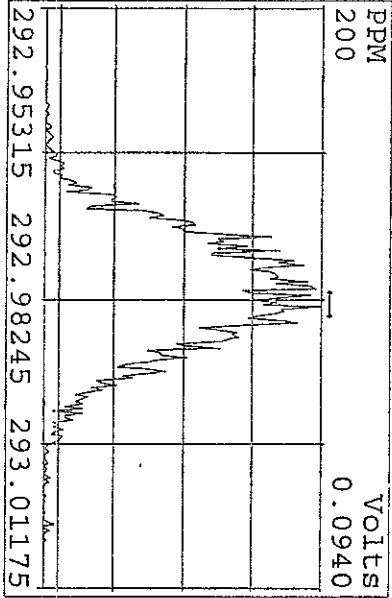
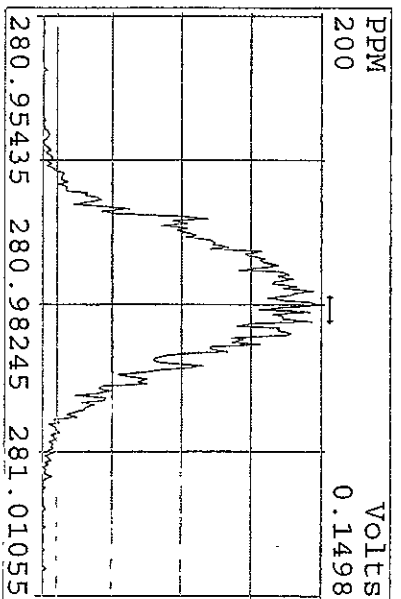
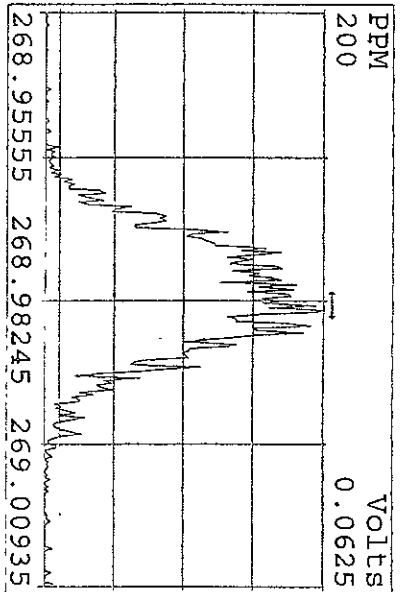
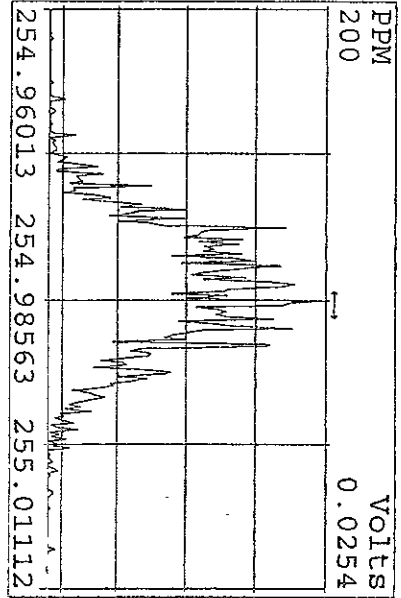
reviewed  
by  
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2/17/09



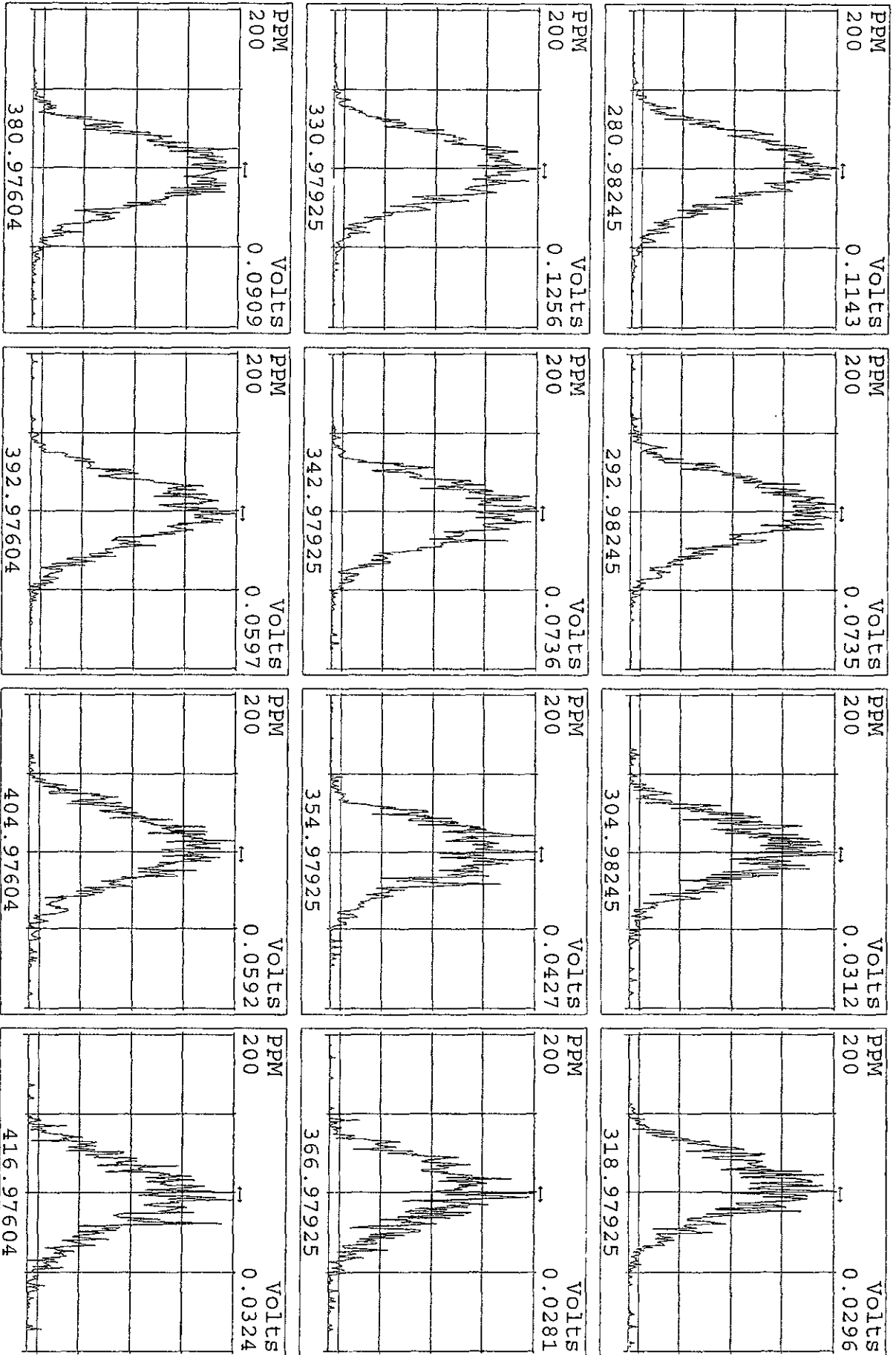
Peak Locate Examination: 16-FEB-2009:09:55 File: 16FF099D5  
 Experiment: 209DB5 Function: 1 Reference: PFK



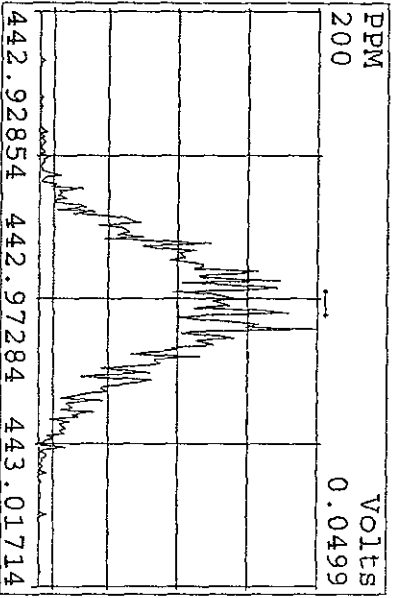
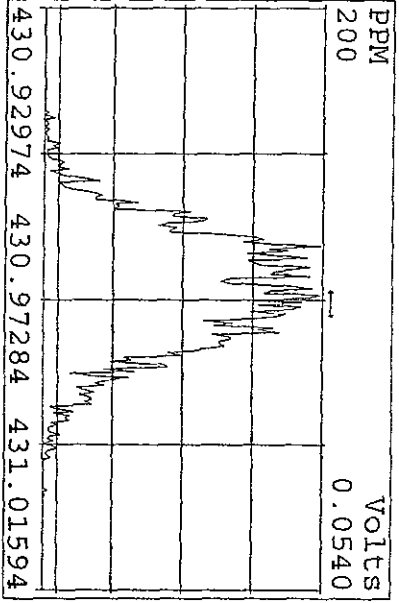
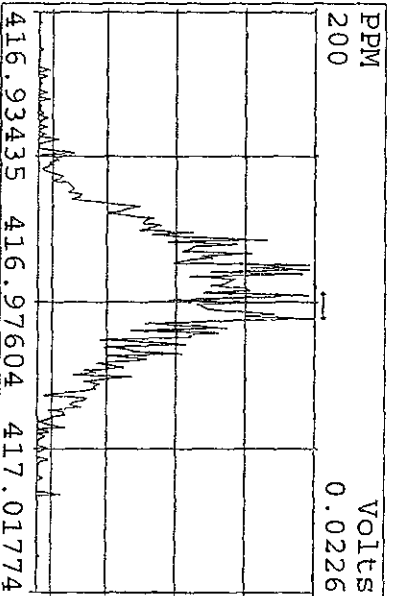
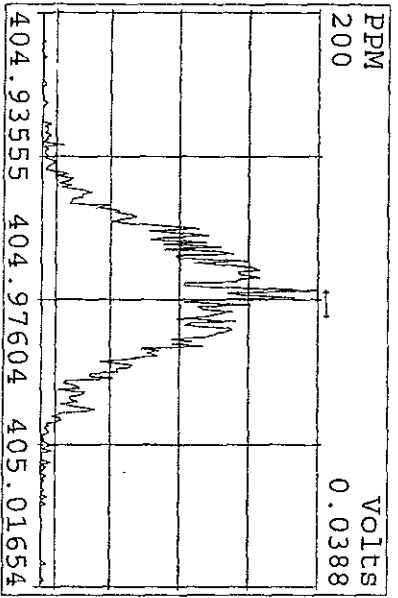
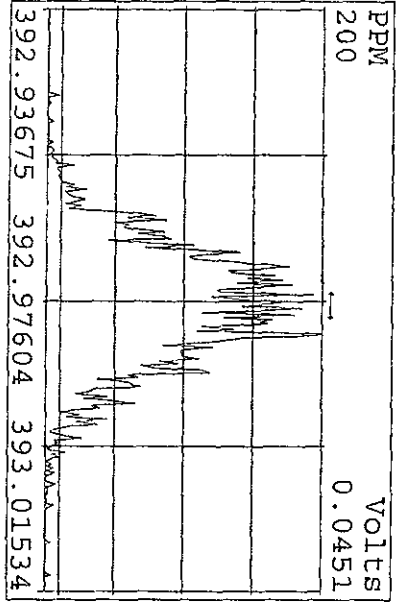
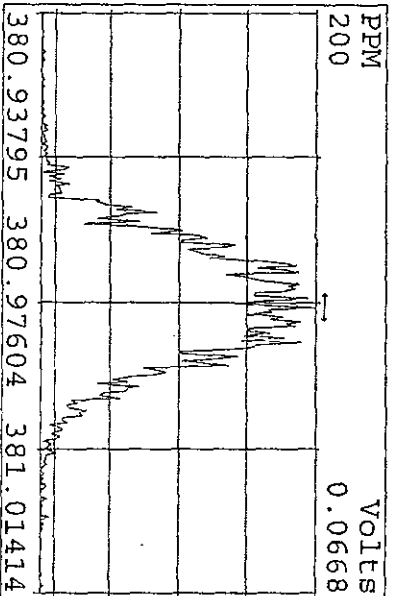
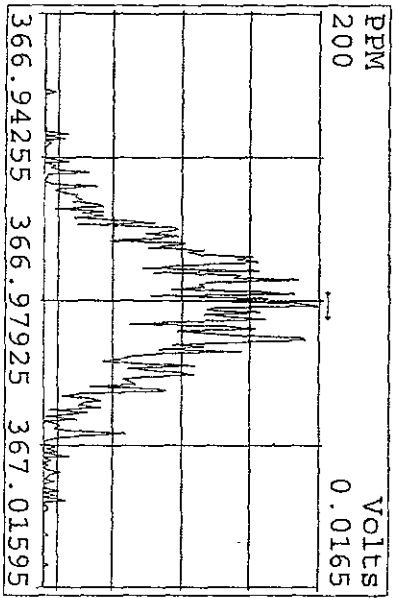
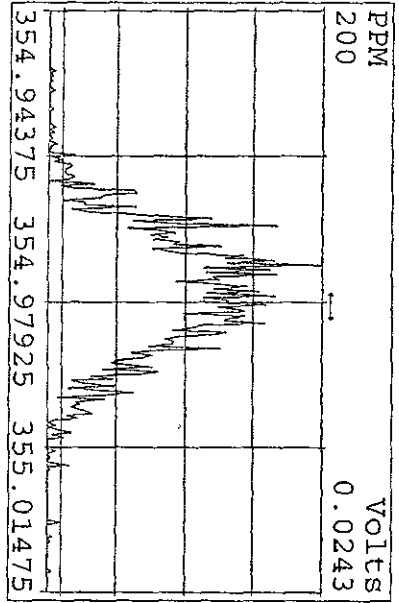
Peak Locate Examination: 16-FEB-2009: 09:55 File: 16FEE099D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



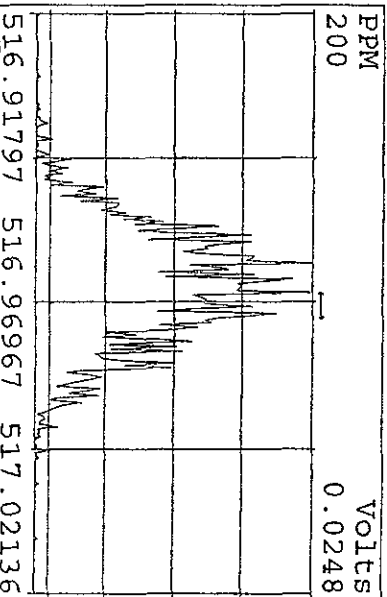
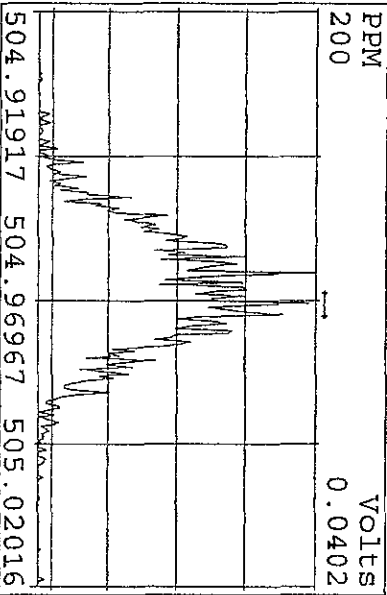
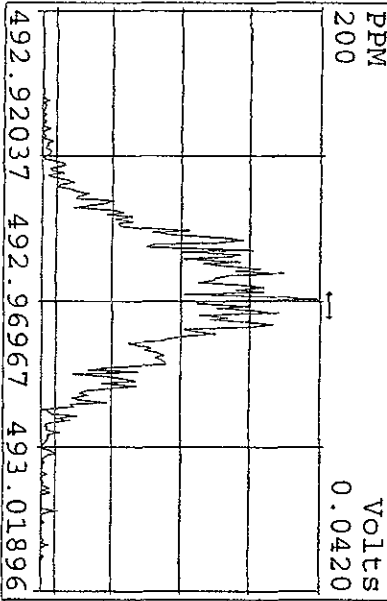
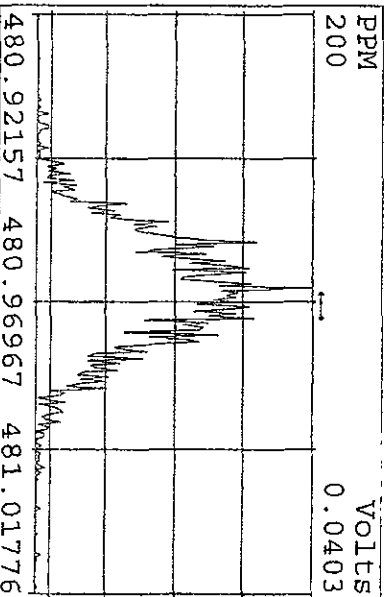
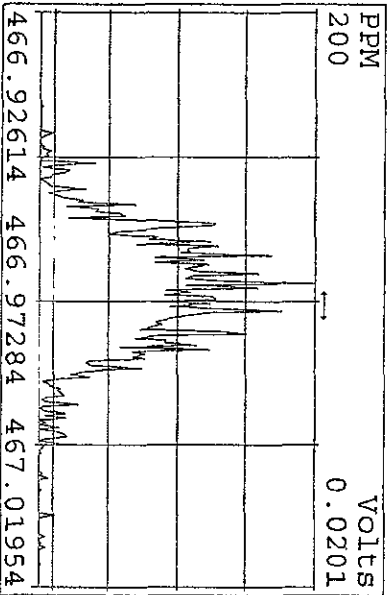
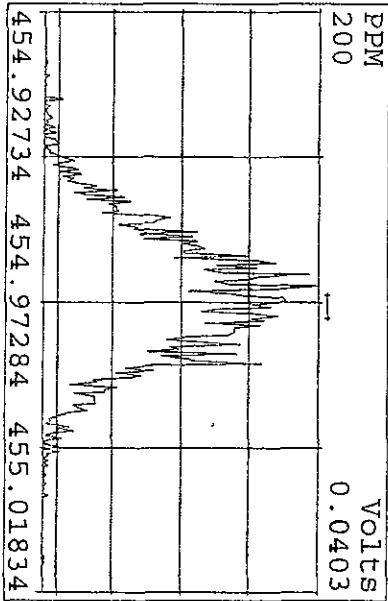
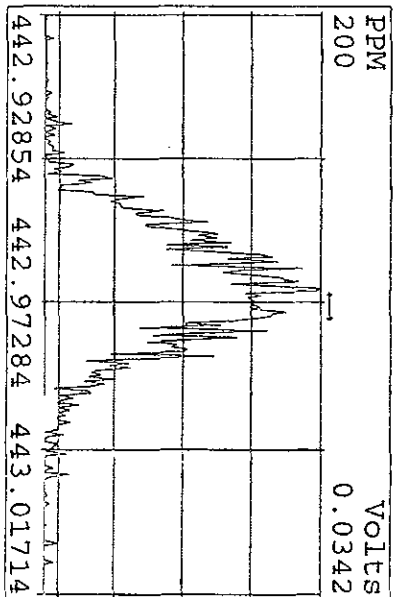
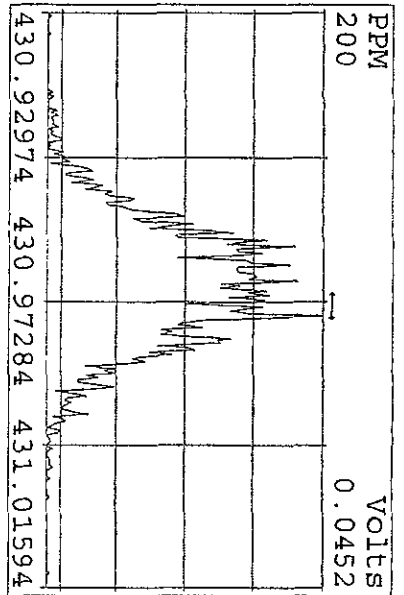
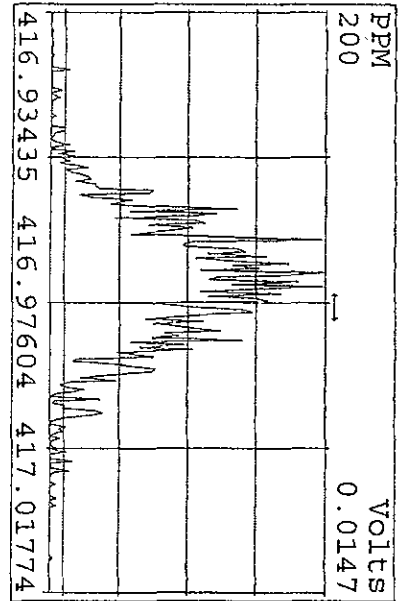
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Experiment: 209DB5 Function: 3 Reference: PK



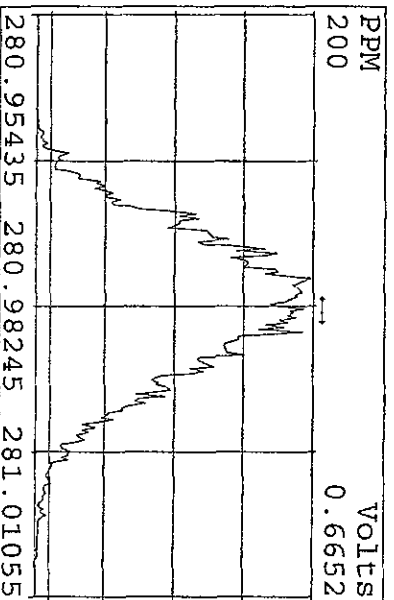
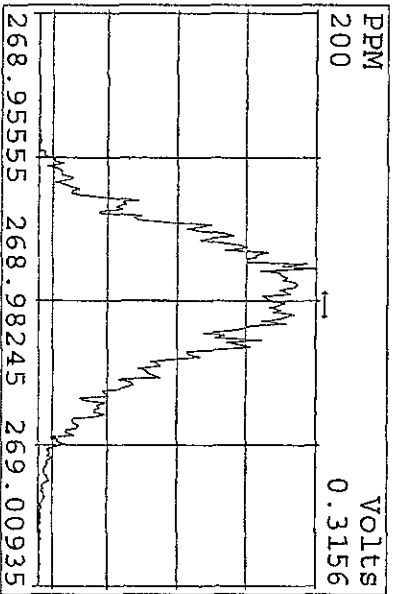
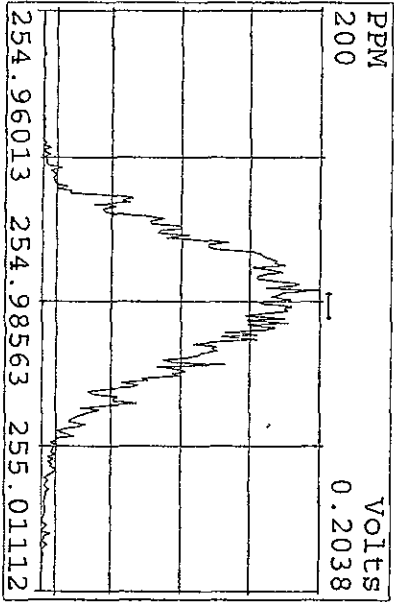
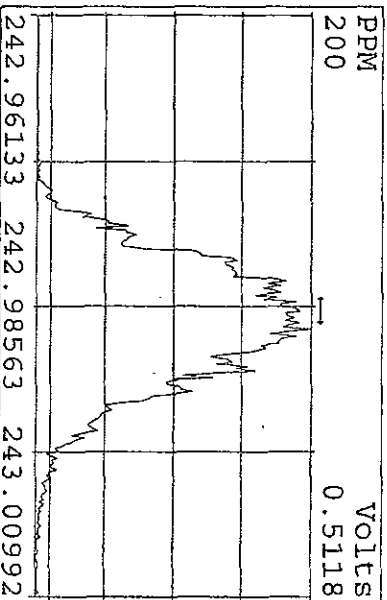
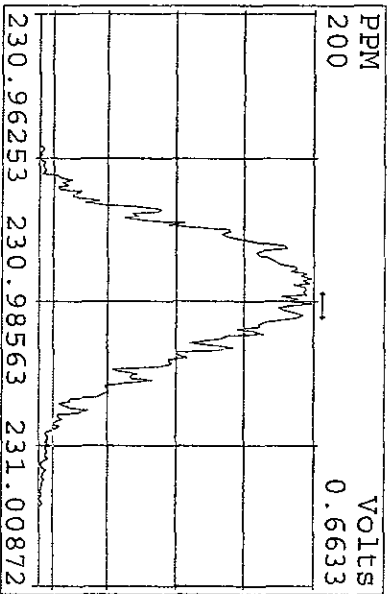
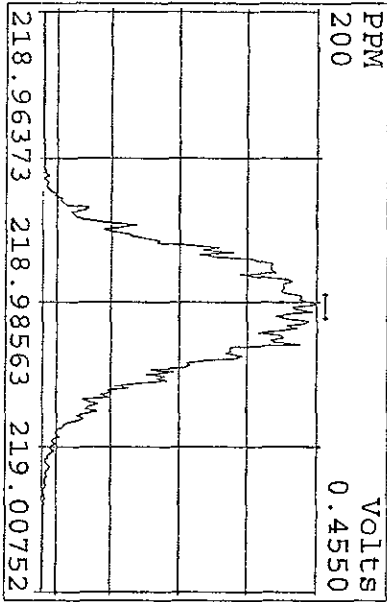
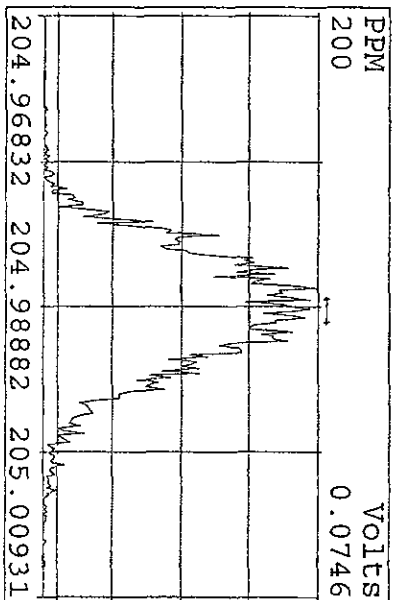
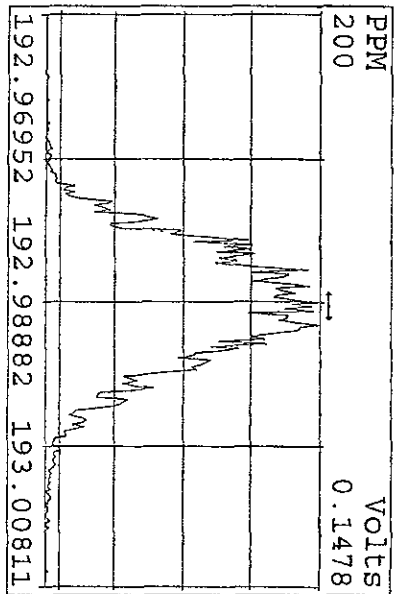
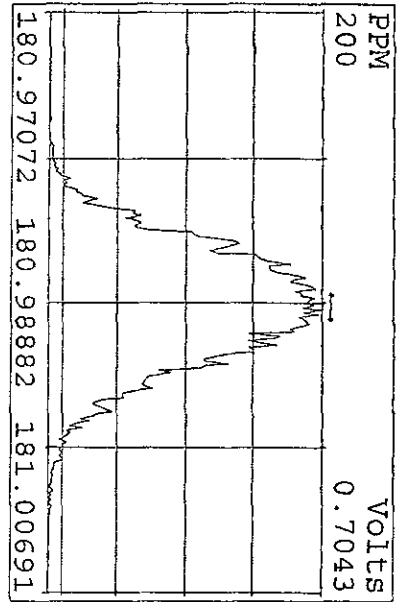
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 Experiment: 209DB5 Function: 4 Reference: PFK



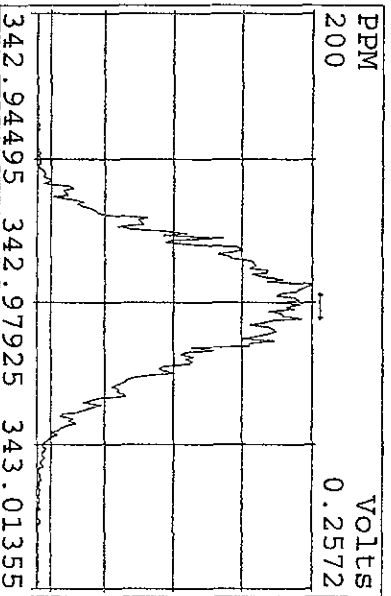
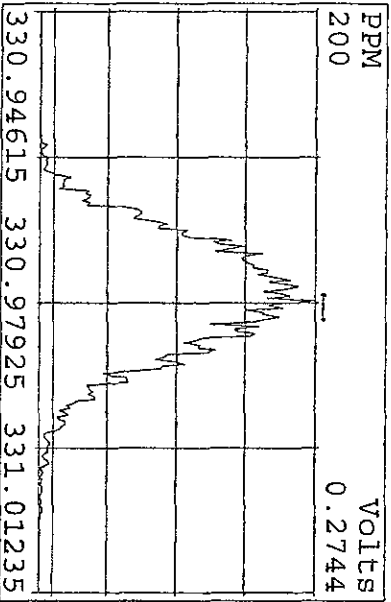
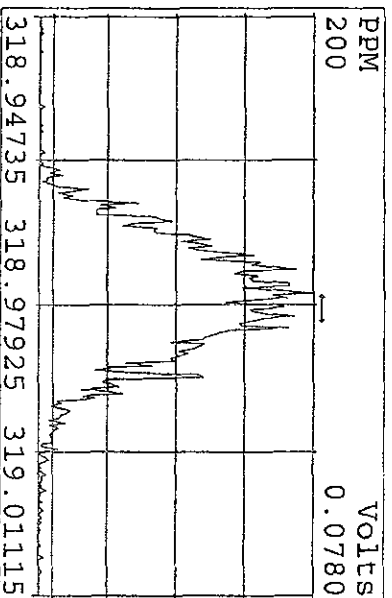
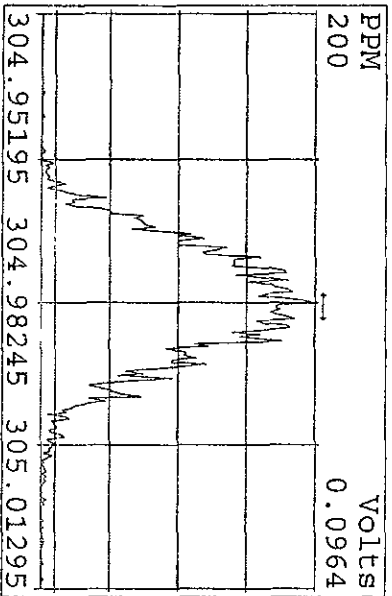
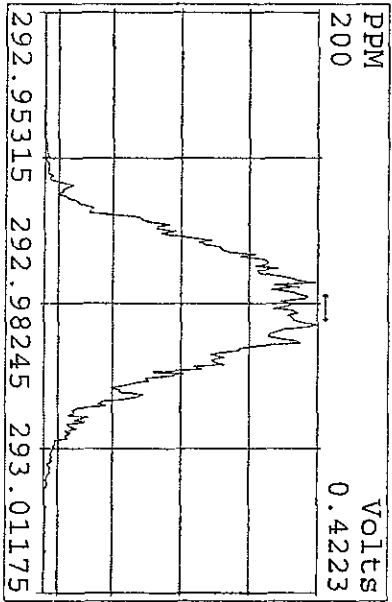
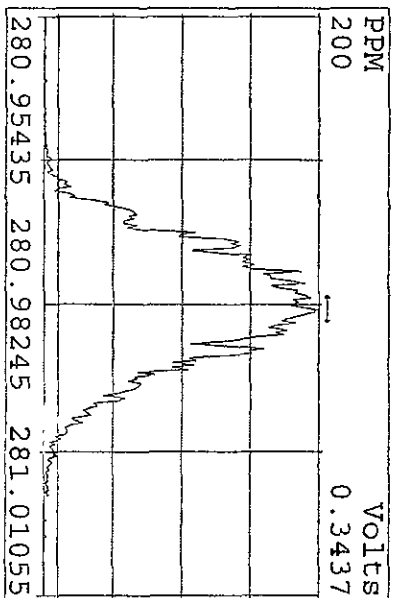
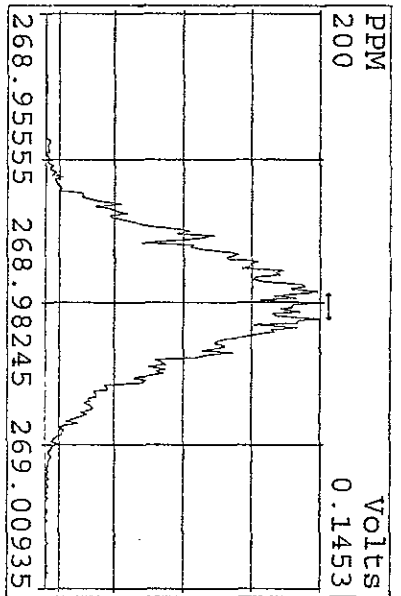
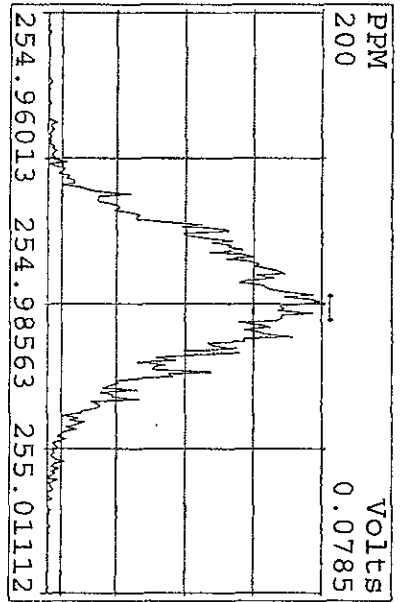
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 Experiment: 209DB5 Function: 5 Reference: PKF



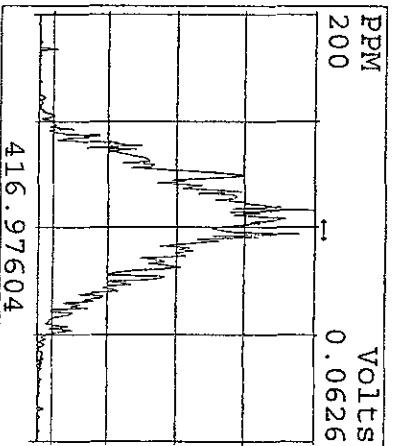
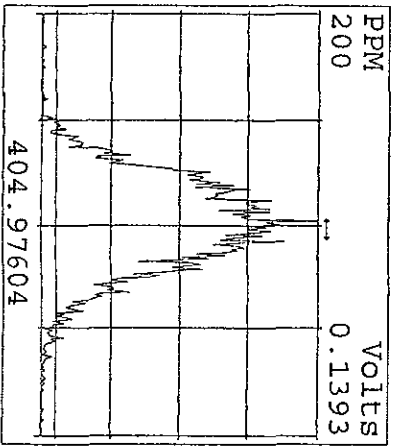
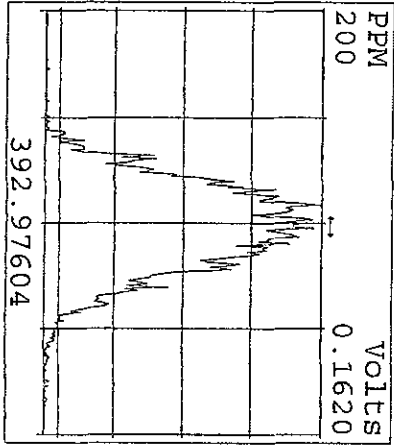
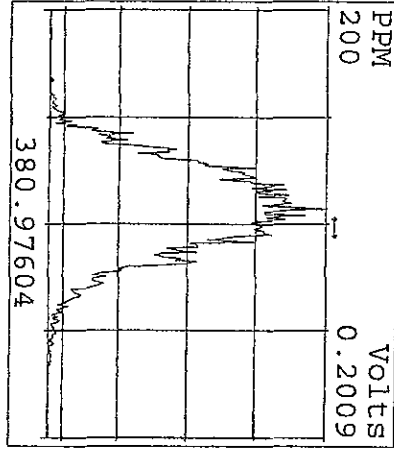
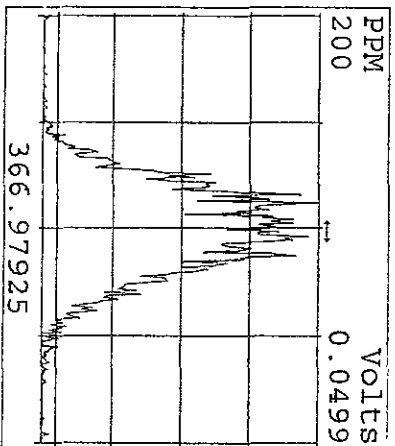
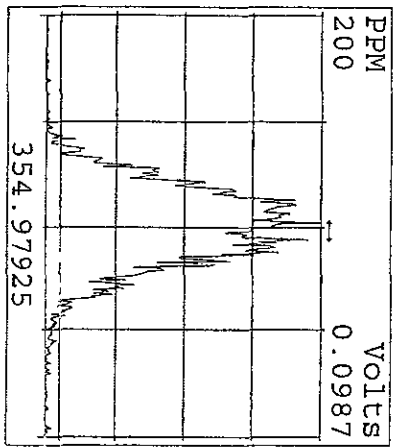
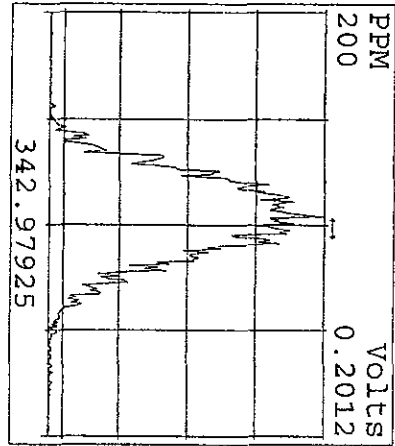
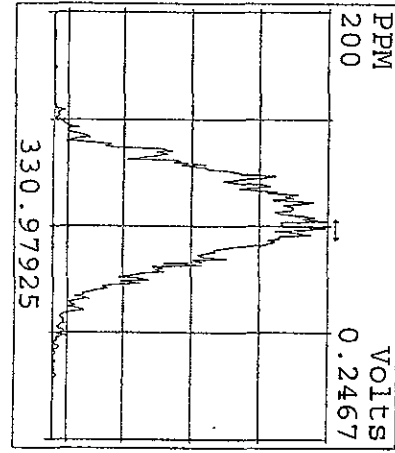
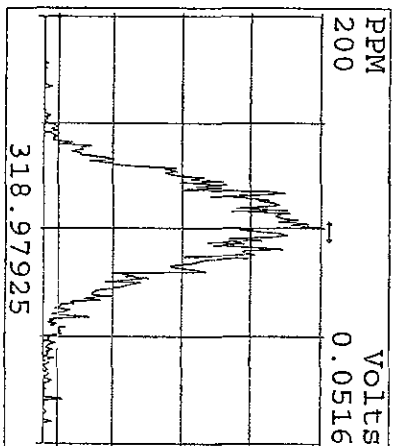
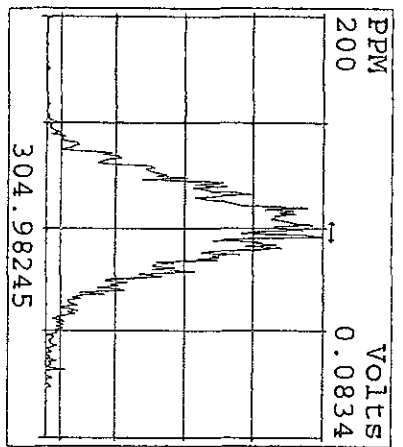
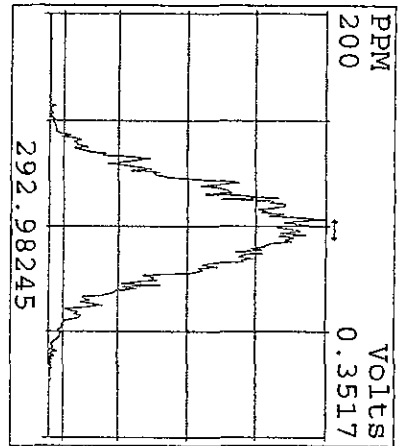
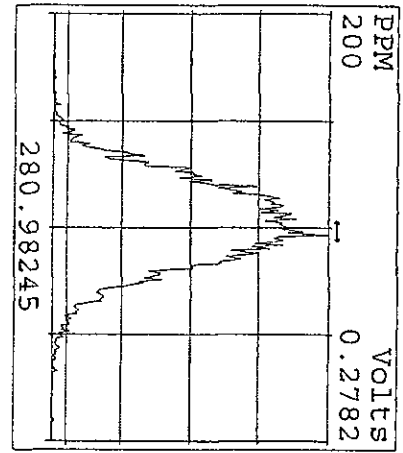
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 Experiment: 209DB5 Function: 1 Reference: PFK



Peak Locate Examination: 17-FEB-2009: 13:26 File: ENDRRES16FE099D5  
 Experiment: 209DB5 Function: 2 Reference: PFK

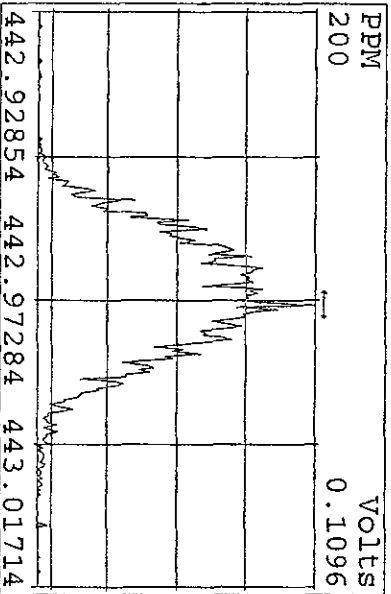
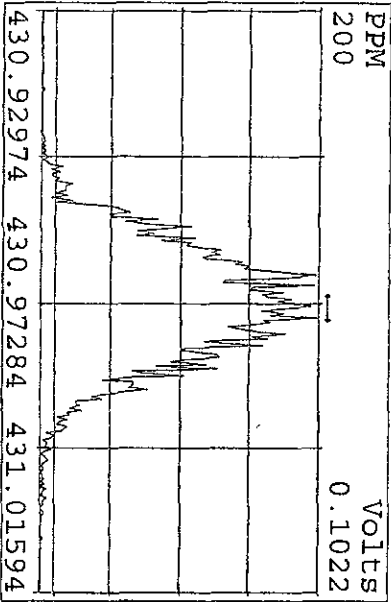
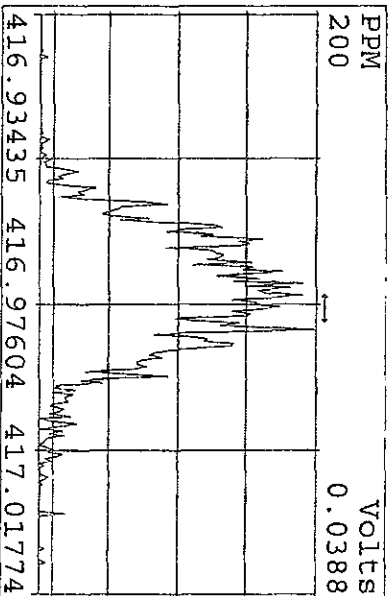
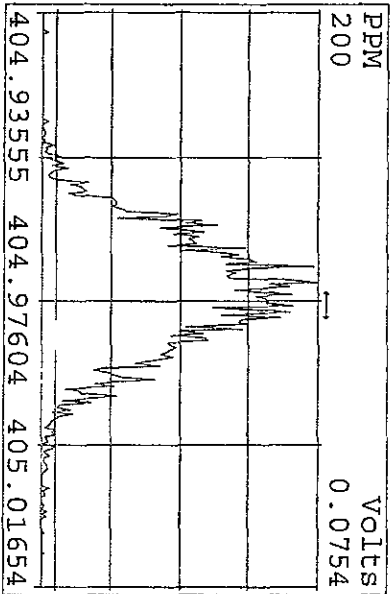
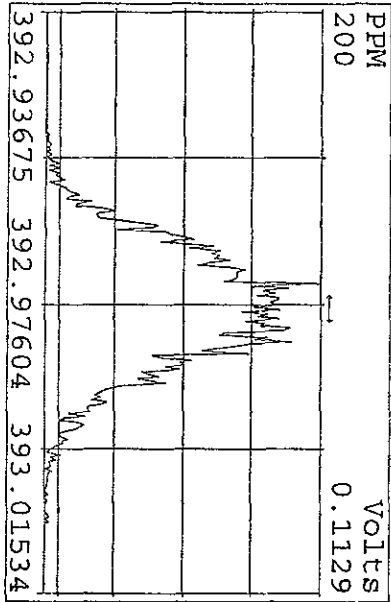
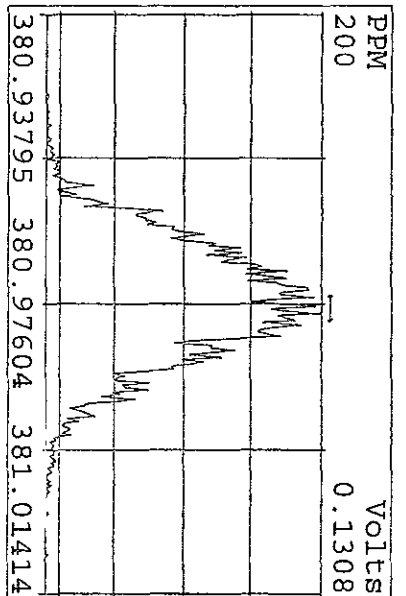
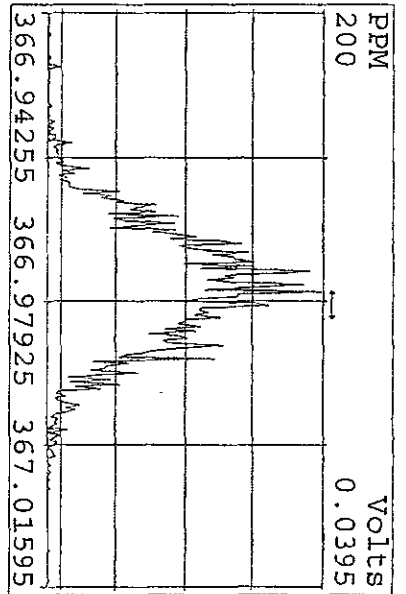
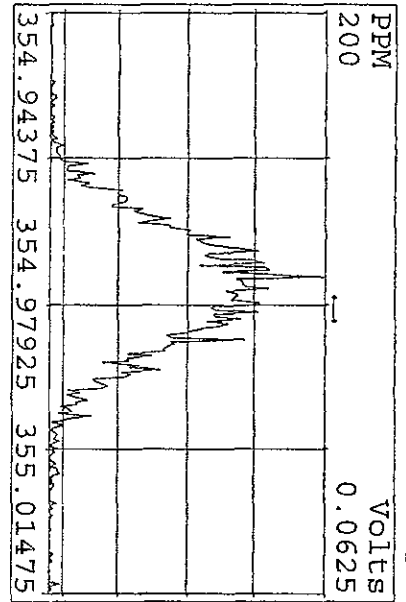


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Experiment: 209DB5 Function: 3 Reference: PFK

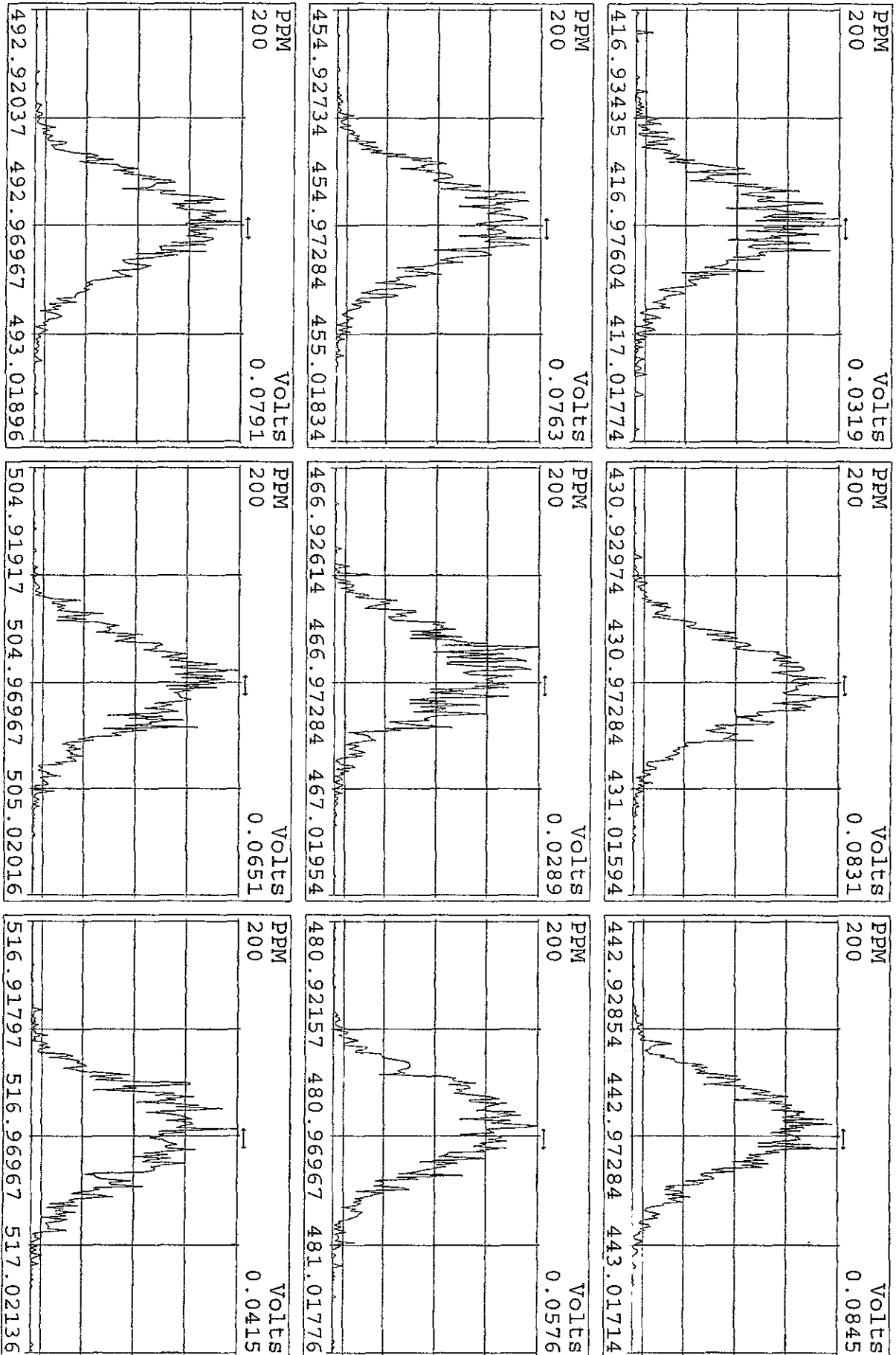




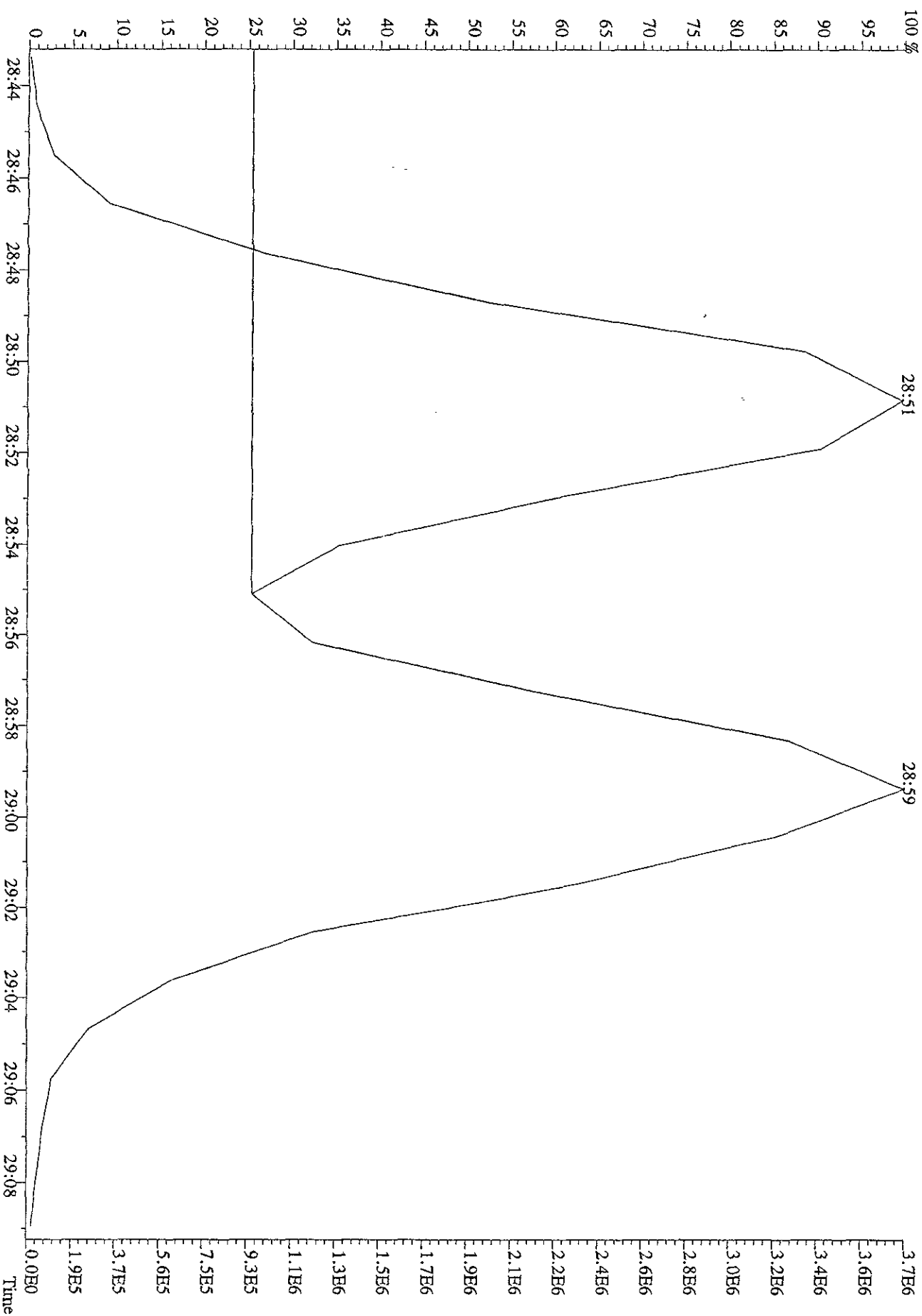
Peak Locate Examination:17-FEB-2009:13:28 File:ENDRES16FEE099D5  
 Experiment:209DB5 Function:4 Reference:PFK



Peak Locate Examination: 17-FEB-2009:13:29 File: ENDRS16FE099DS  
 Experiment: 209DB5 Function: 5 Reference: PK



File: 16FE099D5 #1-599 Acq:16-FEB-2009 22:30:51 GC FI + Voltage SIR Autospec-UltimaE  
 Sample#14 Text:ST0216A :CS3 09DXN016 Exp:209DB5  
 325.8804 S:14 F:3



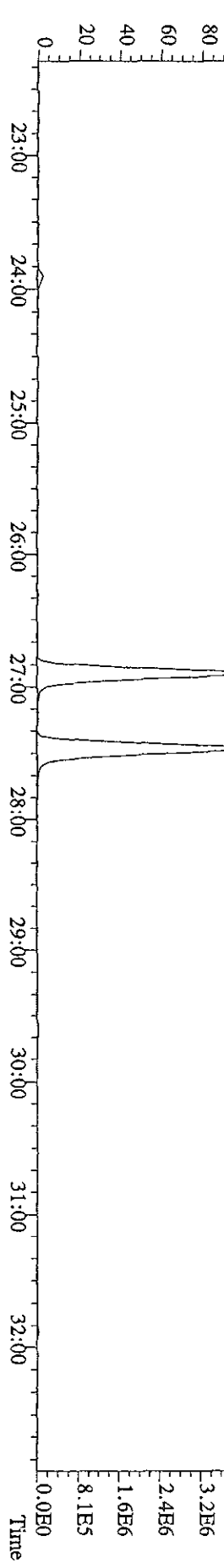
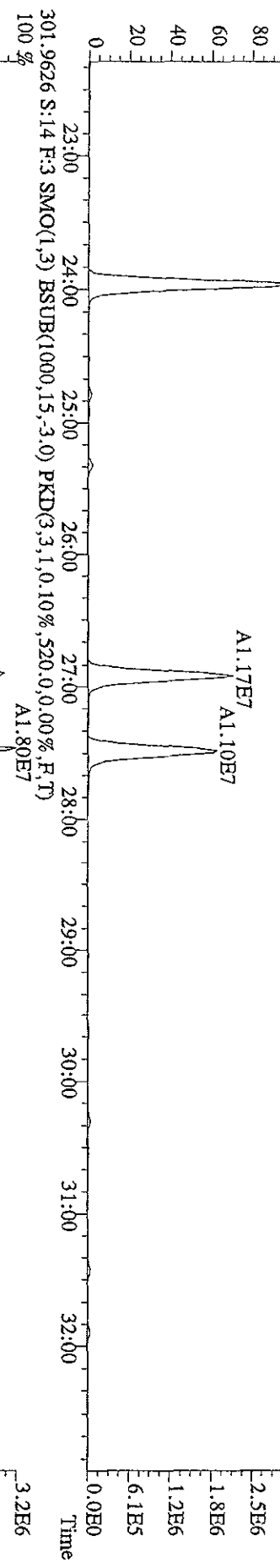
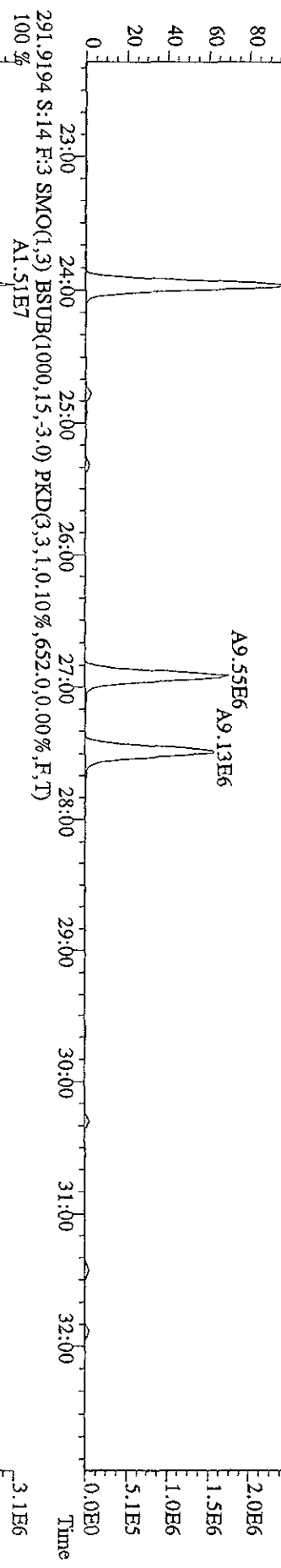
ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

157A09D9D5157A09D9D5157A09D9D5157A09D9D5157A09D9D5157A09D9D5

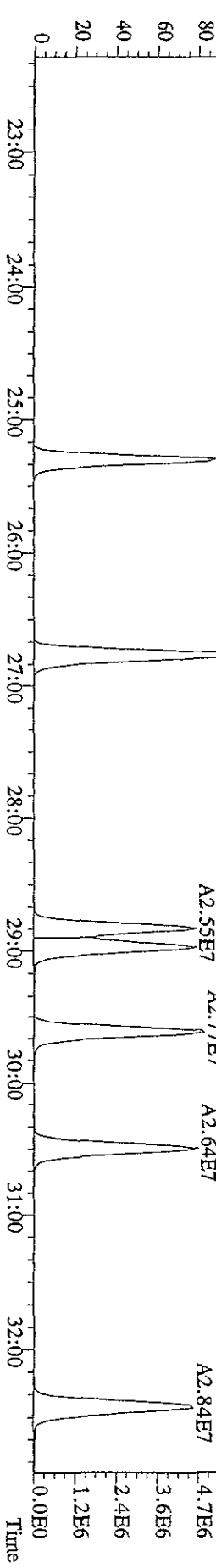
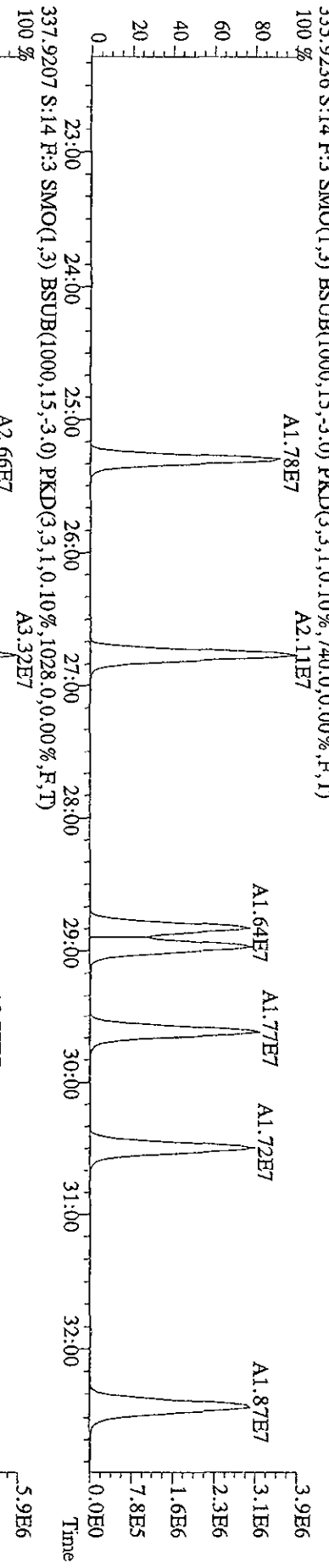
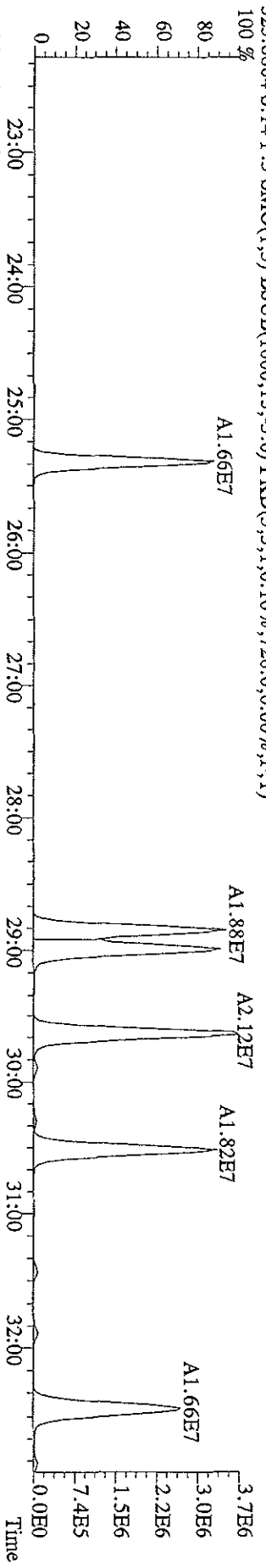
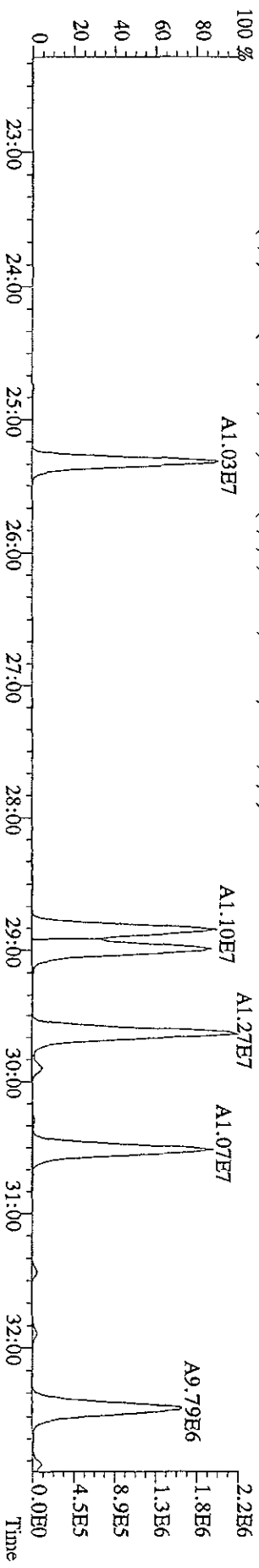
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PecB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PecB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PecB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PecB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PecB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PecB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PecB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PecB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PecB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PecB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HXCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HXCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HXCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HXCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HXCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HXCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HXCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HXCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HPCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DecB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DECB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

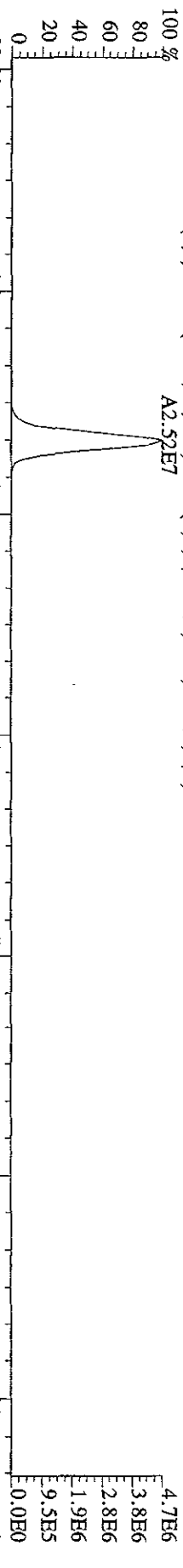
File: 16FEE099D5 #1-599 Acq: 16-FEB-2009 22:30:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text: ST0216A :CS3 09DXN016 Exp: 209DB5  
 289.9224 S:14 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,716,0,0,00%,F,T)



File: 16FEE099D5 #1-599 Acq: 16-FEB-2009 22:30:51 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#14 Text: ST0216A : CS3 09DXN016 Exp: 209DB5  
 323.8834 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1128,0,0,00%,F,T)



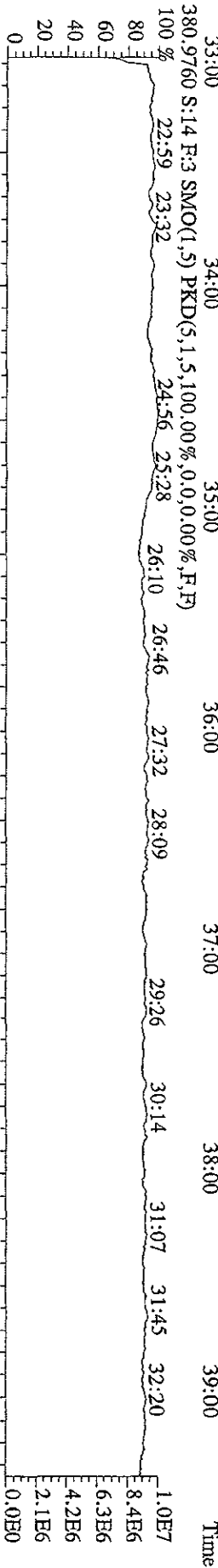
File: 16FPE099D5 #1-391 Acq:16-FEB-2009 22:30:51 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#14 Text:ST0216A :CS3 09DXN016 Exp:209DB5  
 439.8038 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,20,0,0.00%,F,T)  
 A2.52E7



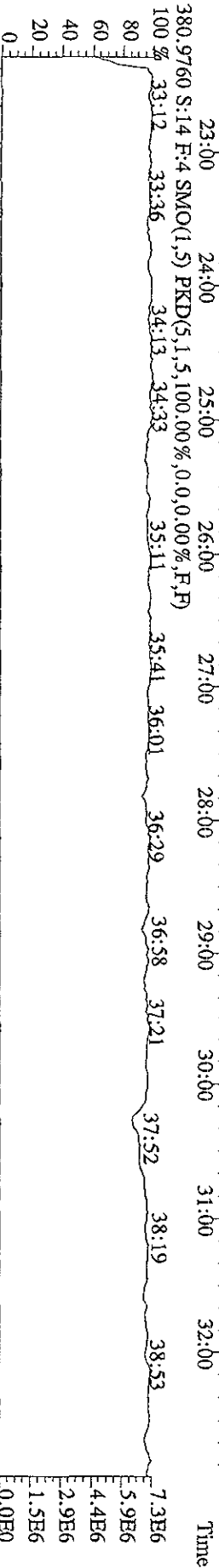
441.8008 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,12,0,0.00%,F,T)  
 A2.78E7



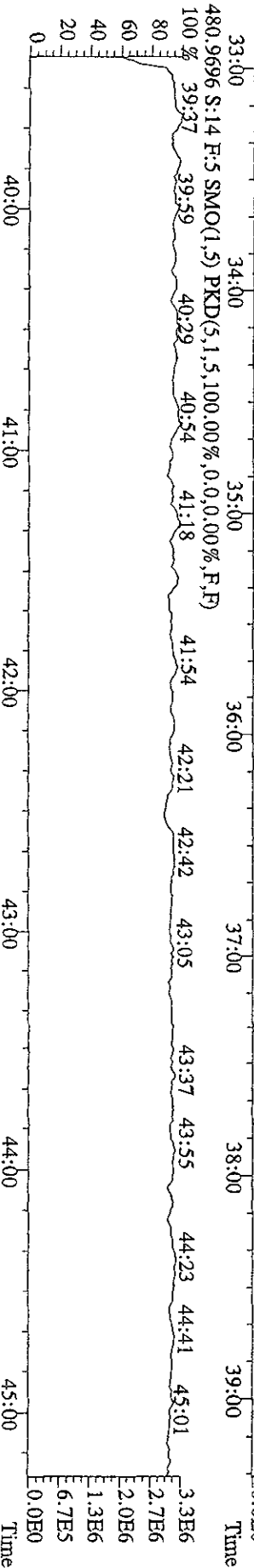
380.9760 S:14 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)



380.9760 S:14 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)

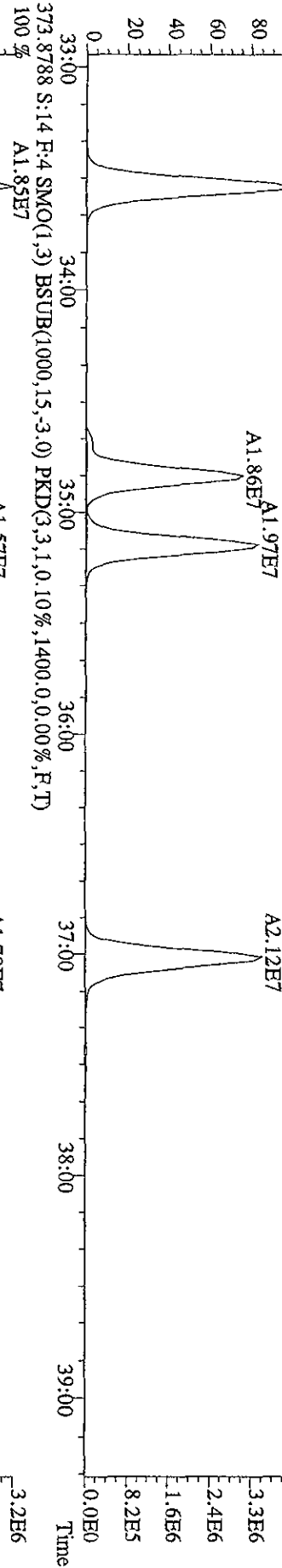
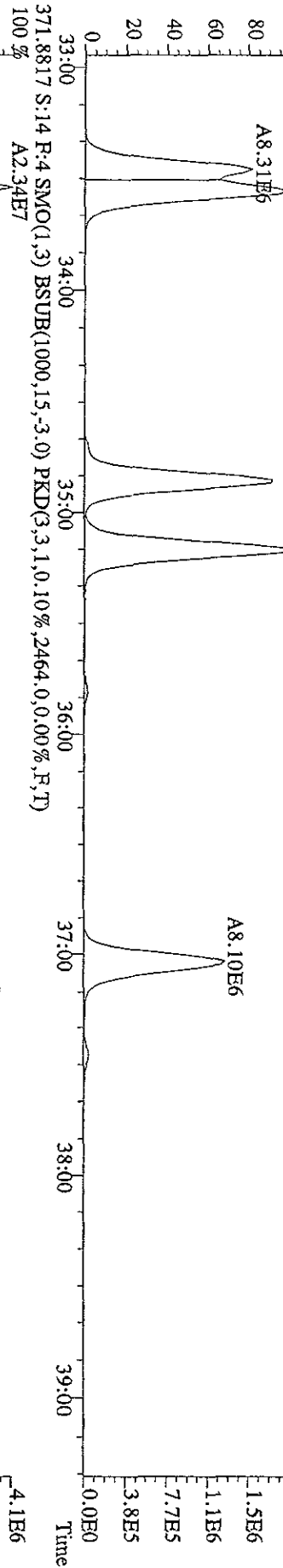
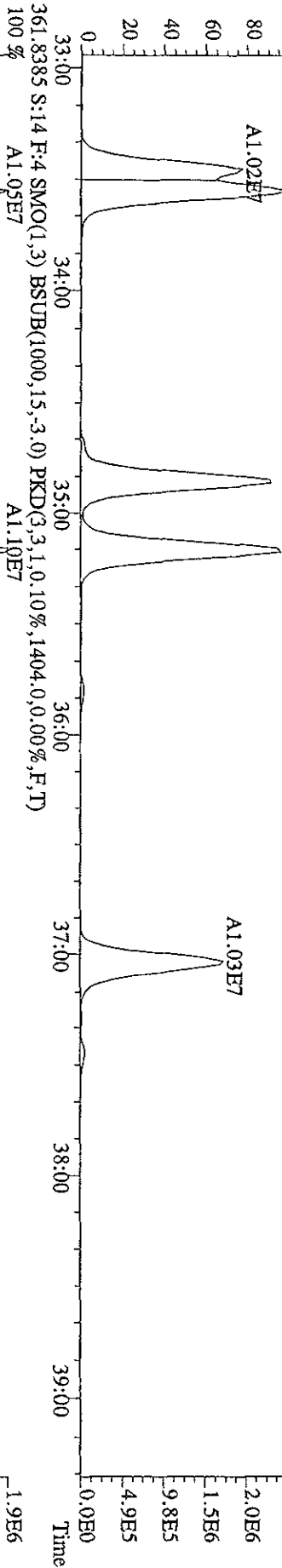


480.9696 S:14 F:5 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)

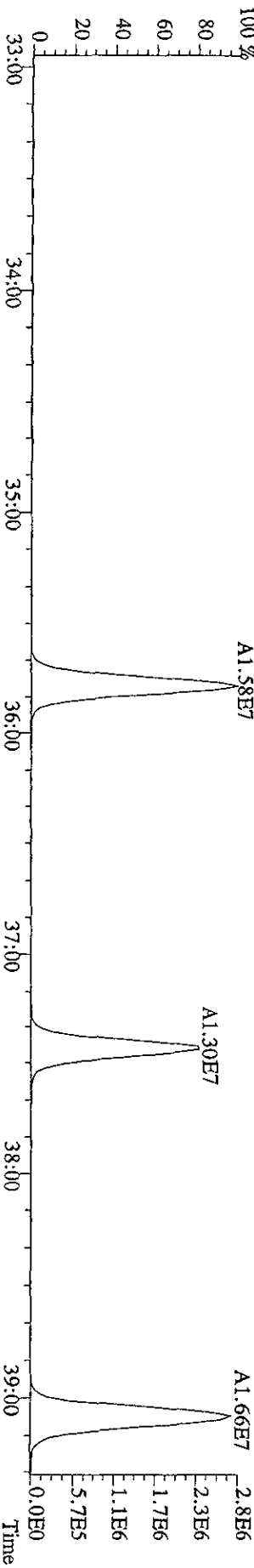
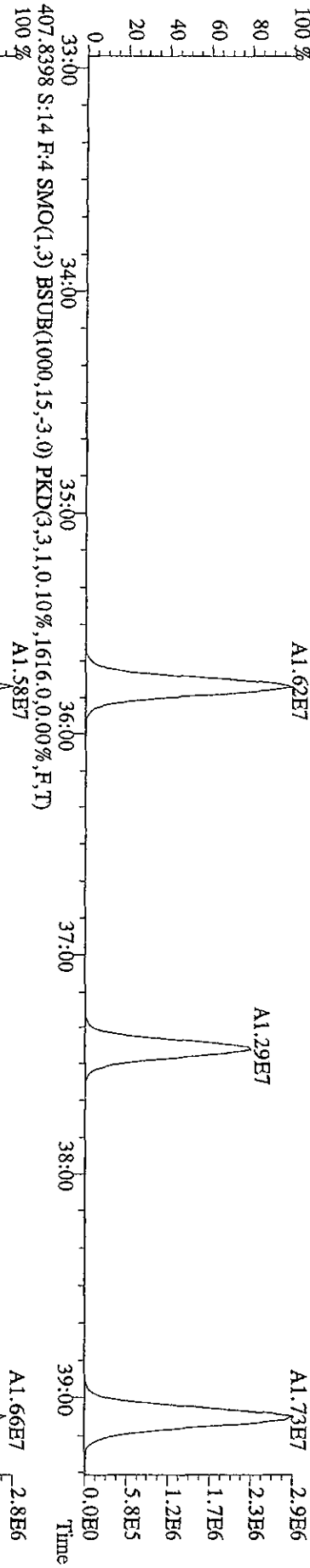
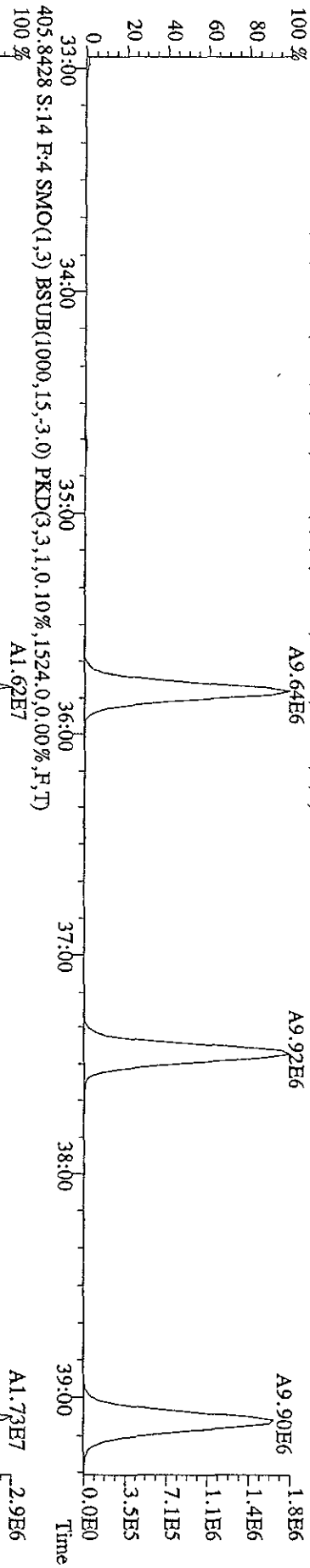
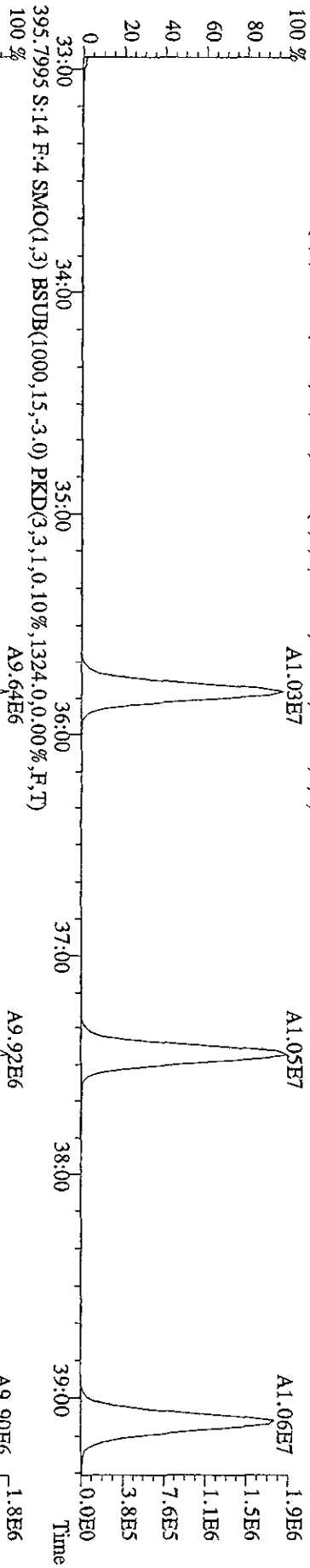




File:16FE099D5 #1-391 Acq:16-FEB-2009 22:30:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:ST0216A :CS3 09DXN016 Exp:209DB5  
 359.8415 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1836.0,0.00%,F,T)  
 100% A1.35E7 A1.37E7

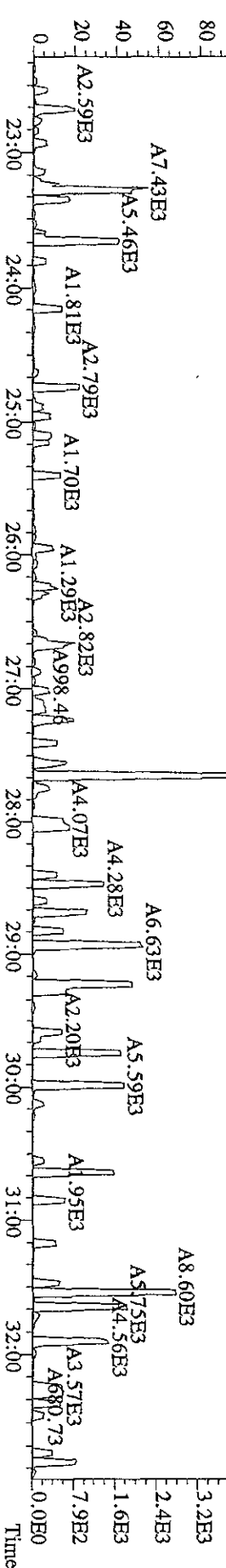
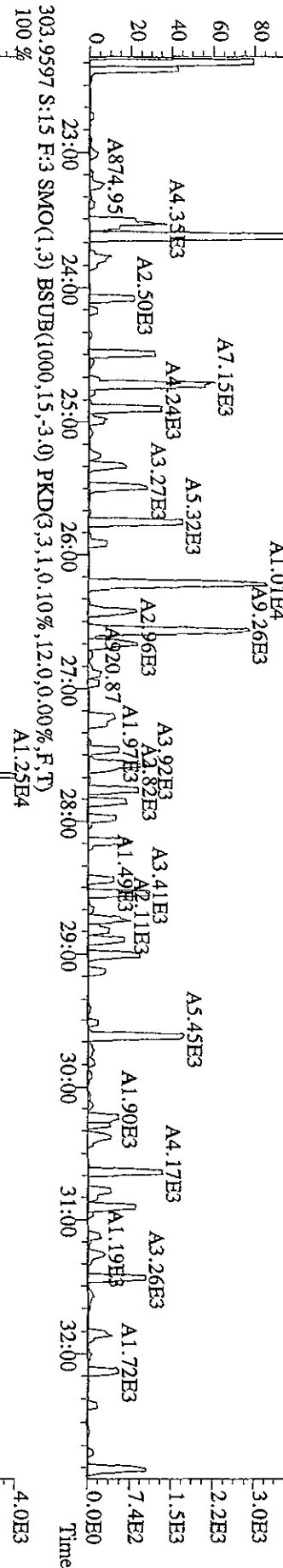
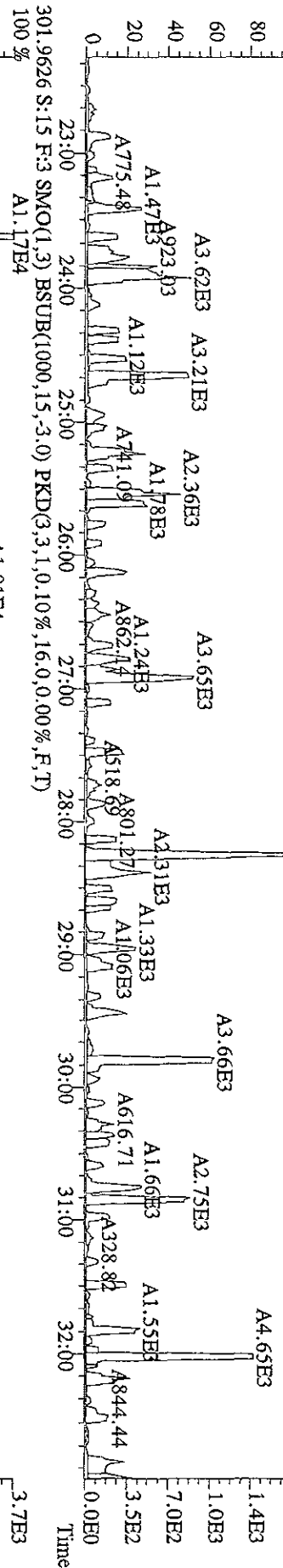
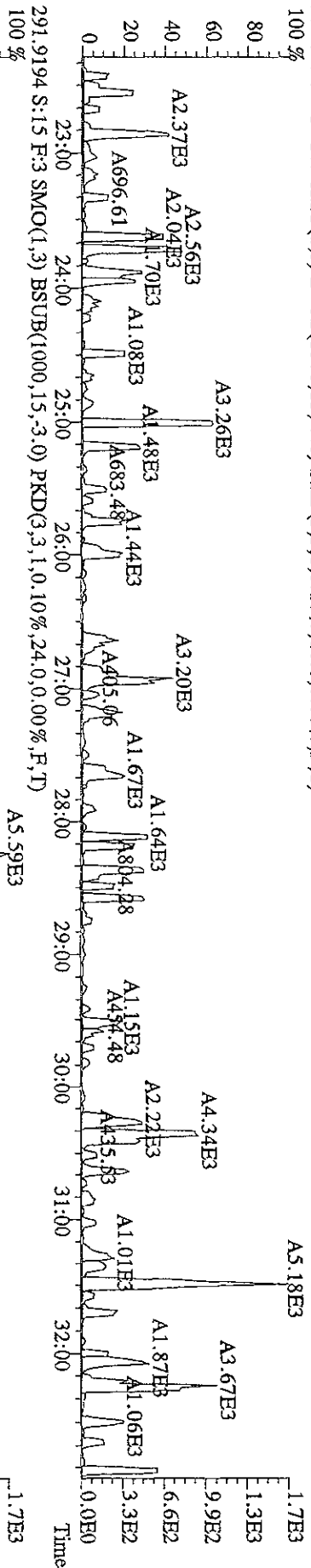


File: 16FEB09D5 #1-391 Acq: 16-FEB-2009 22:30:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text: ST0216A :CS3 09DXN016 Exp: 209DB5  
 393.8025 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1556,0,0,00%,F,T)

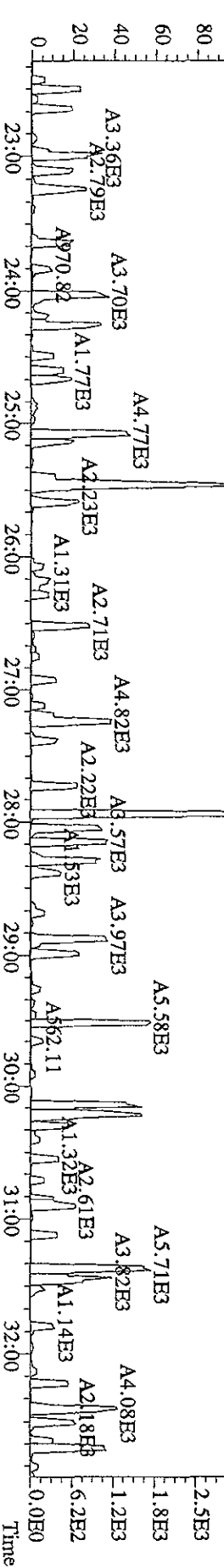
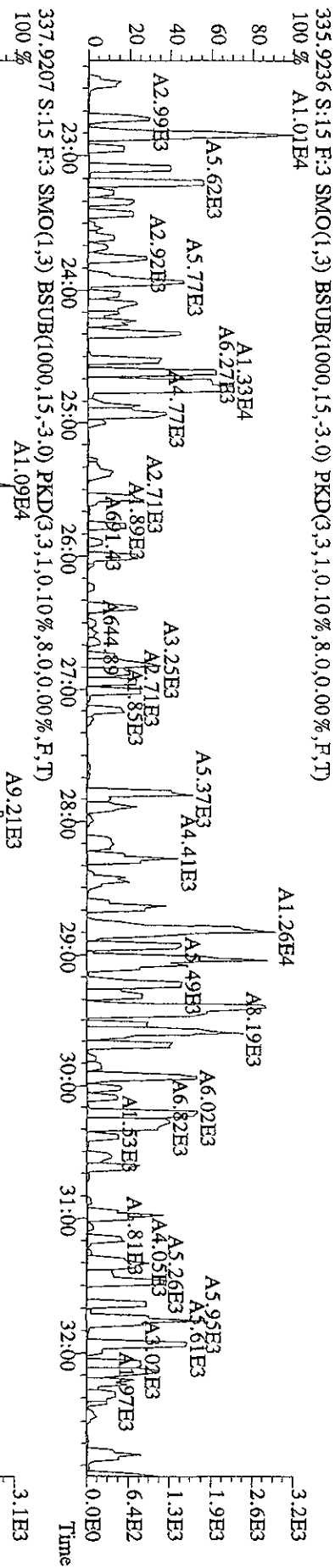
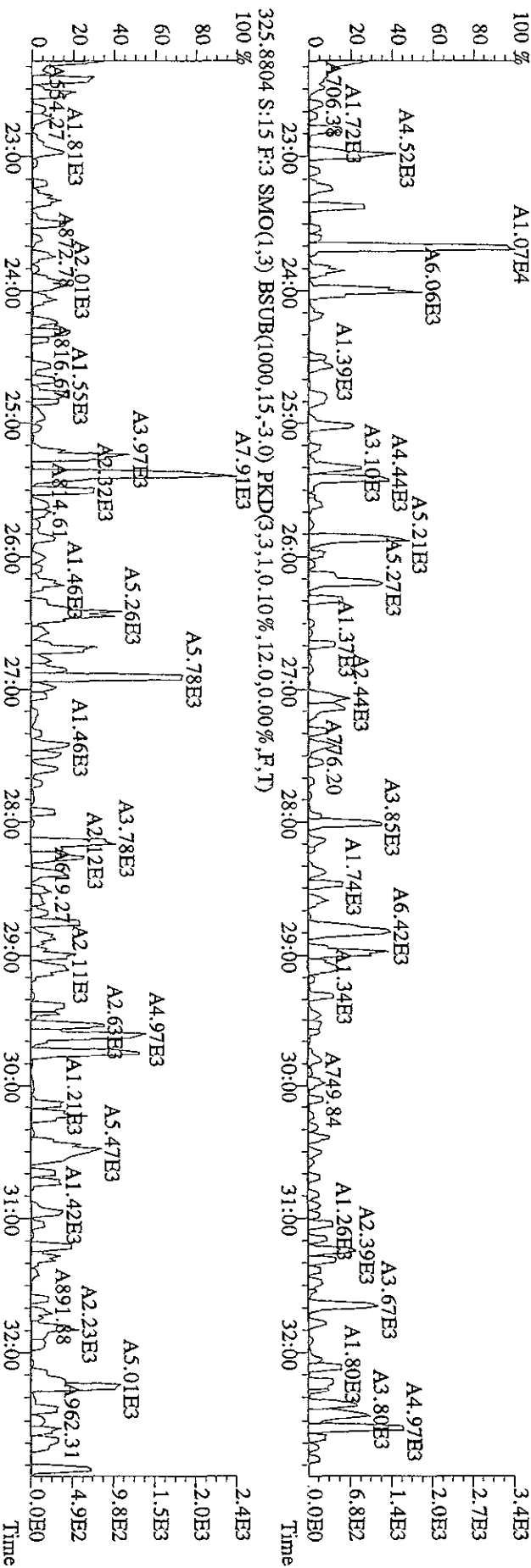




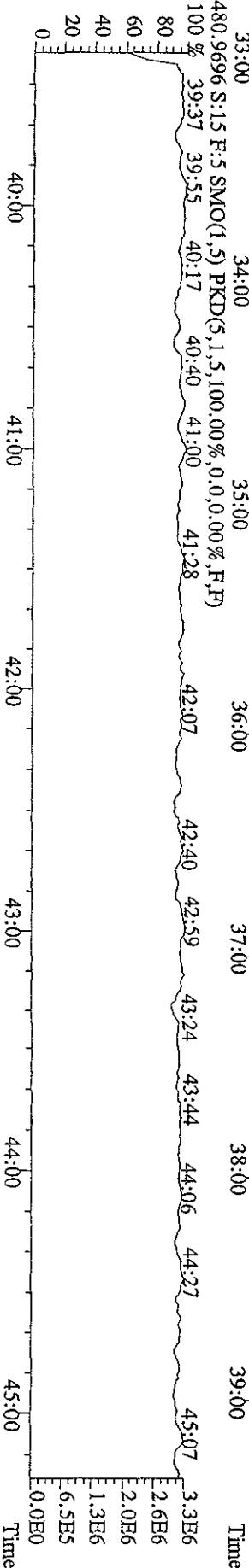
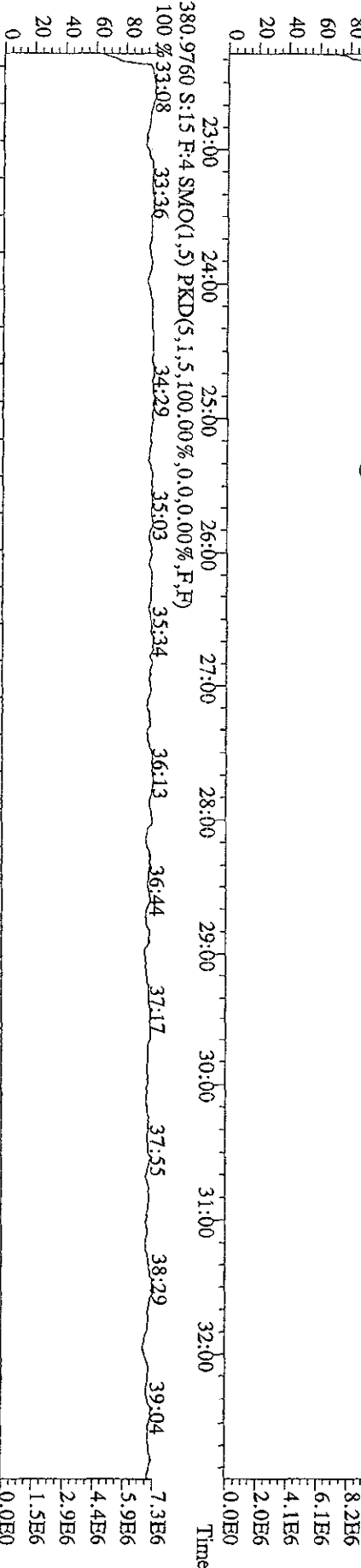
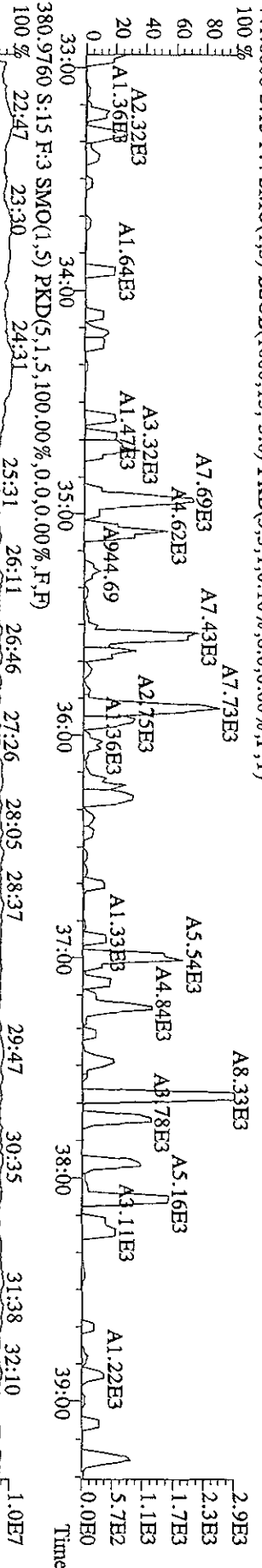
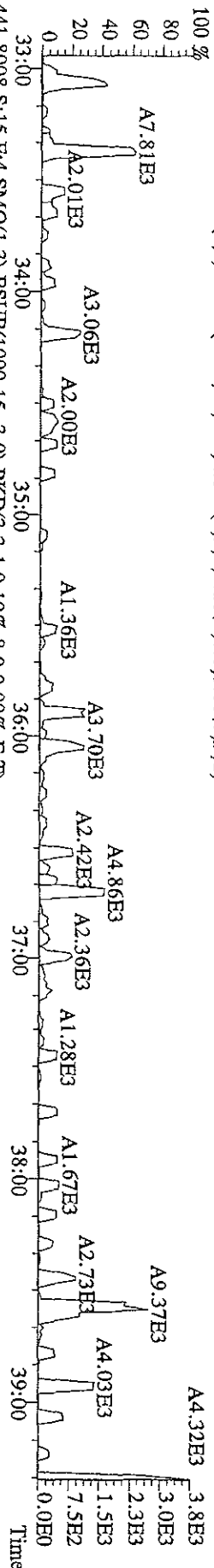
File: 16FEE099D5 #1-599 Acq:16-FEB-2009 23:22:14 GC EI+ Voltage SIR Autospec-UltimaB  
Sample#15 Text:SB0216B :Solvent Blank C-12 Exp:209DB5  
289.9224 S:15 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,16,0,0,00%,F,T)



File: 16HE099D5 #1-599 Acq:16-FEB-2009 23:22:14 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#15 Text:SB0216B :Solvent Blank C-12 Exp:209DB5  
 323.8834 S:1.5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,24.0,0.00%,F,T)  
 100% A1.07E4

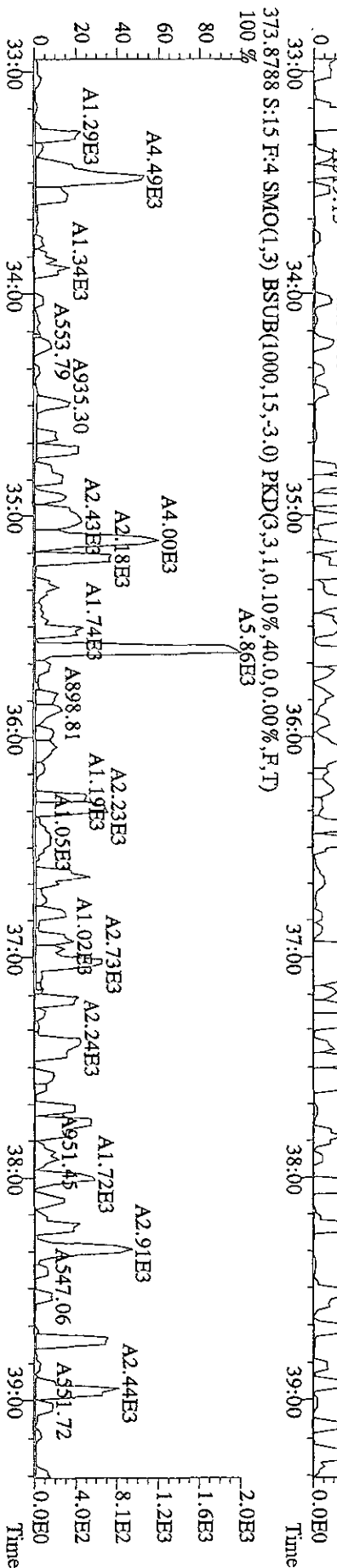
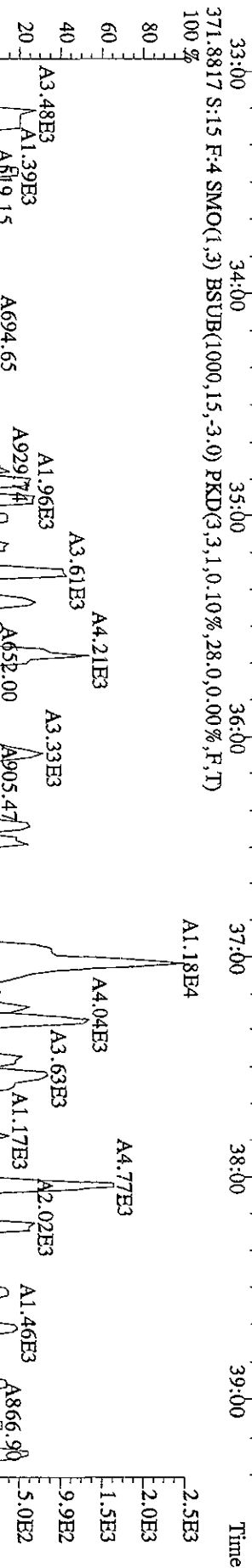
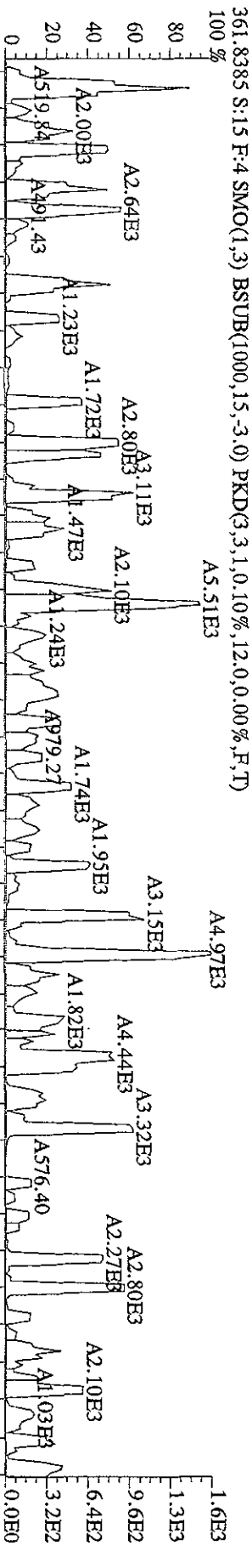
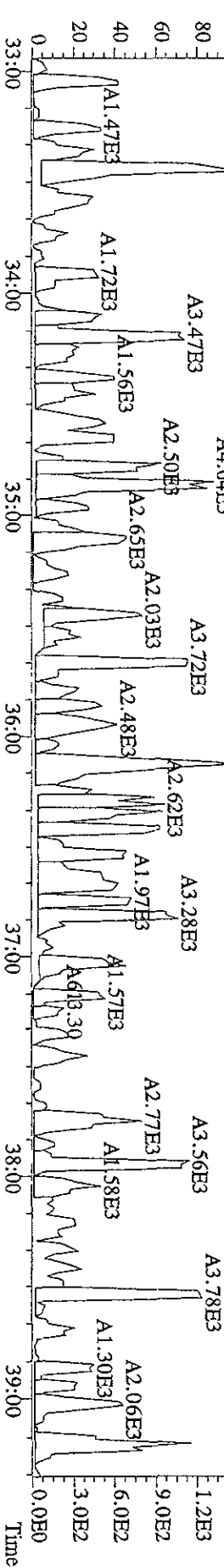


File: 16FHE099D5 #1-391 Acq: 16-FEB-2009 23:22:14 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#15 Text: SB0216B :Solvent Blank C-12 Exp: 209DB5  
 439, 8038 S:1.5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8,0,0.00%,F,T)  
 100%

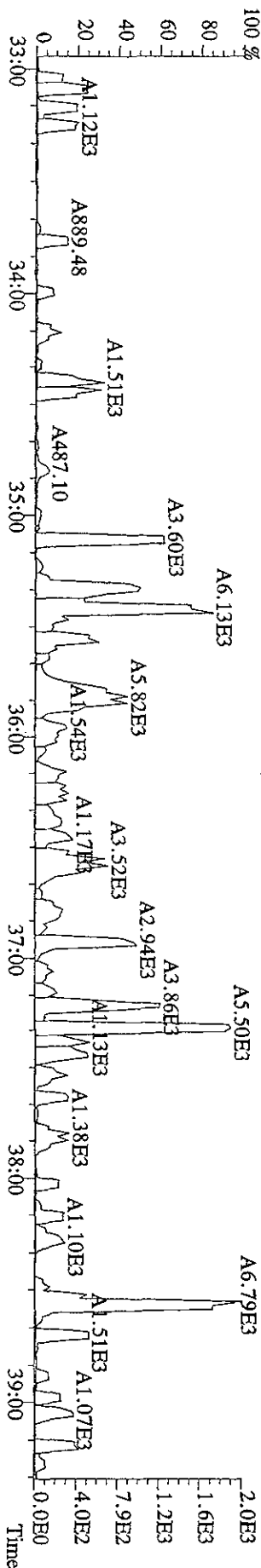
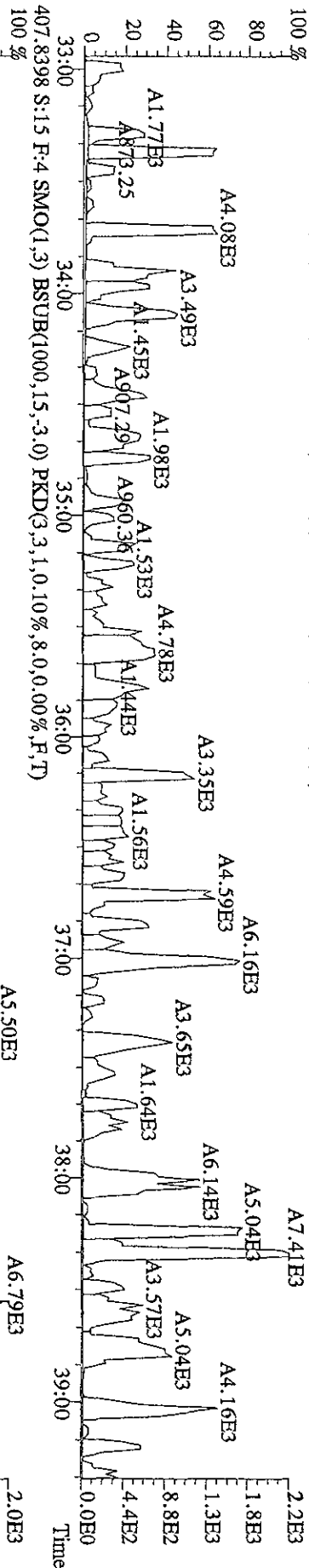
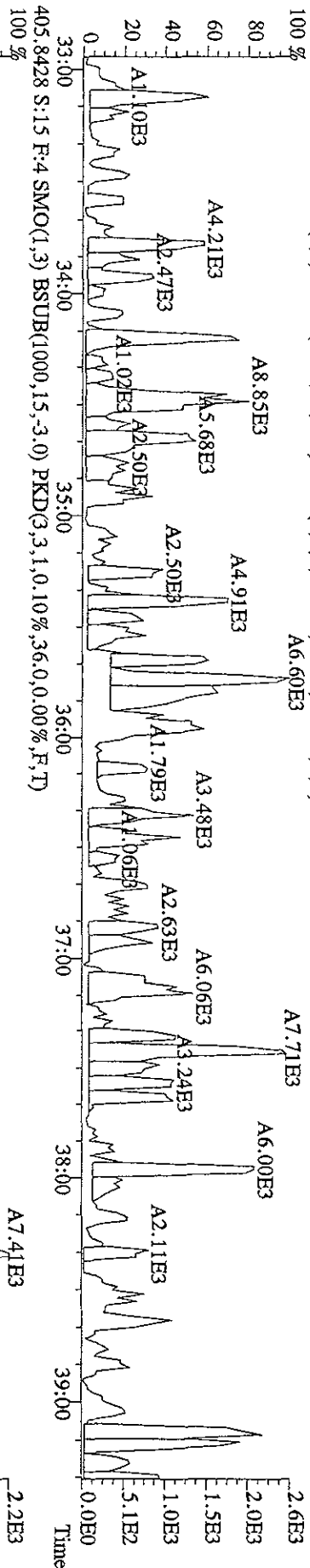
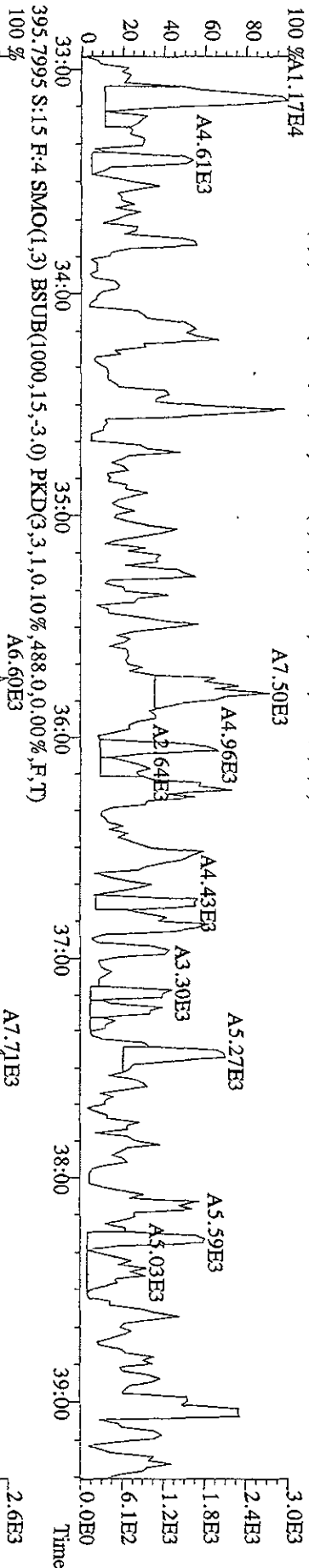


File:16HE099D5 #1-391 Acq:16-HEB-2009 23:22:14 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#15 Text:SB0216B :Solvent Blank C-12 Exp:209DB5

359.8415 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,316,0,0,00%,F,T)  
A4.77E3 A4.64E3 A5.47E3

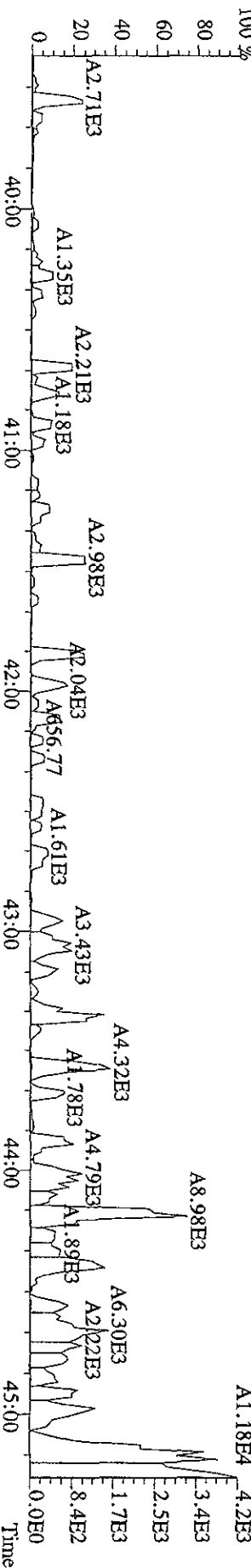
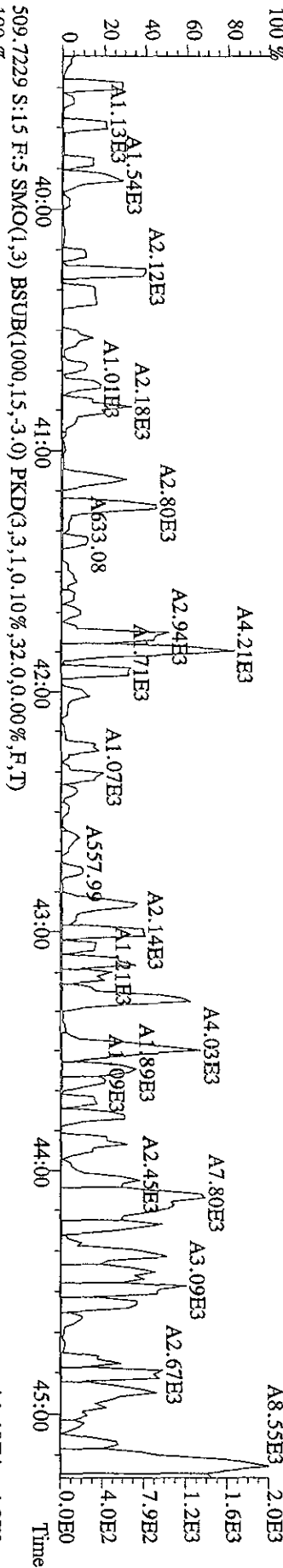
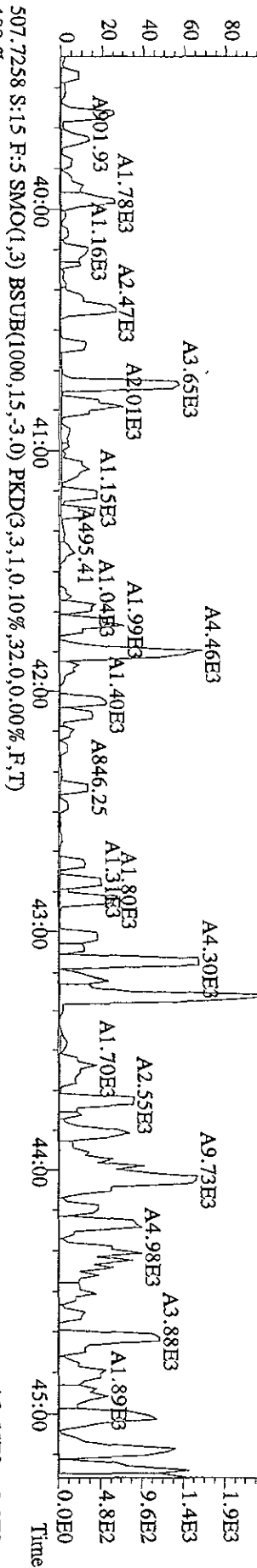
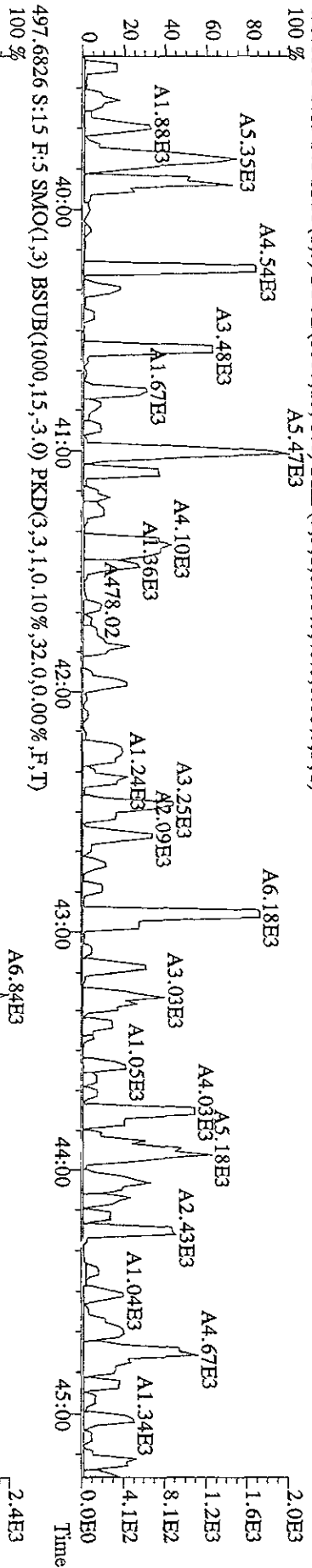


File:16FEE099D5 #1-391 Acq:16-FEB-2009 23:22:14 GC BI+ Voltage SIR Autospec-Ultimate  
 Sample#15 Text:SB0216B :Solvent Blank C-12 Exp:209DB5  
 393.8025 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,952.0,0.00%,F,T)  
 100 %A1.17E4





File: 16FEB099D5 #1-392 Acq:16-FEB-2009 23:22:14 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#15 Text:SB0216B :Solvent Blank C-12 Exp:209DB5  
497.6826 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,40.0,0.00%,F,T)



Method ID 1668 (WSL-DEC)

Associated ICAL 1668MSBDEC015099DS

Column ID DB-5

Instrument ID QDS

STD ID STG217

STD Solution CFD XNO16

Analyzed by Ann MG

Date Analyzed 2/17/09

Std. Pkg. By FAS

Date Std. Pkg. Assembled 2/19/09

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 2/19/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0217 File text: CS3 09DXN016  
 Run #6 Filename 17FE09A9D5 S: 1 I: 1  
 Acquired: 17-FEB-09 18:42:55 Processed: 17-FEB-09 19:35:15  
 Run: 17FE09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 17FE09A9D51668MSLDE

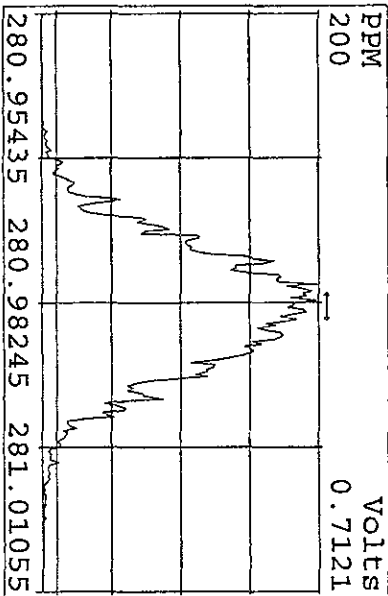
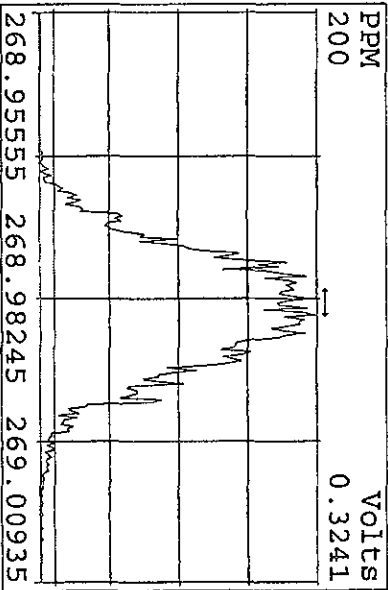
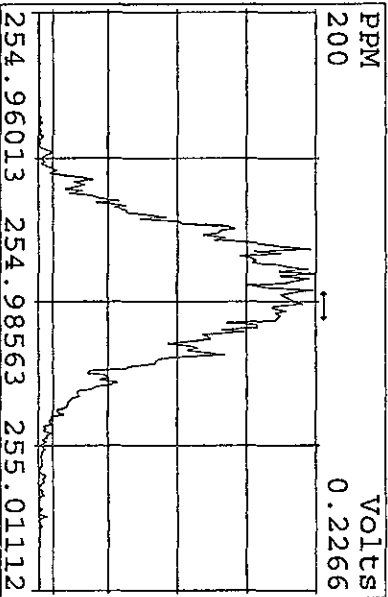
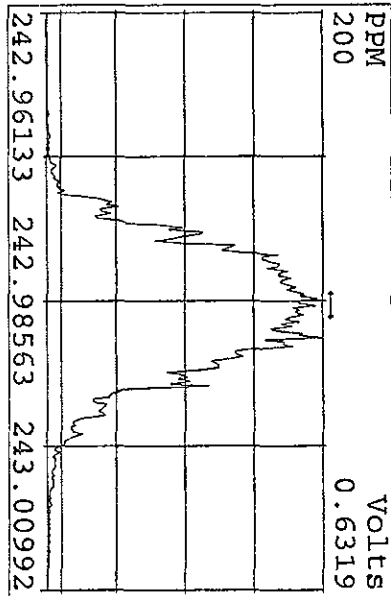
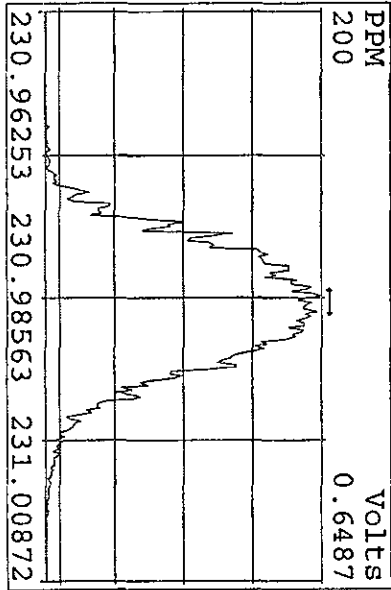
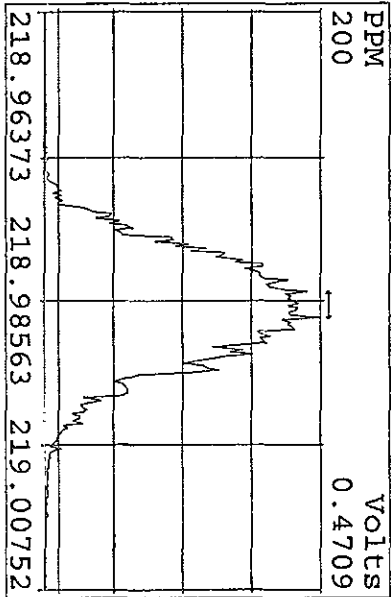
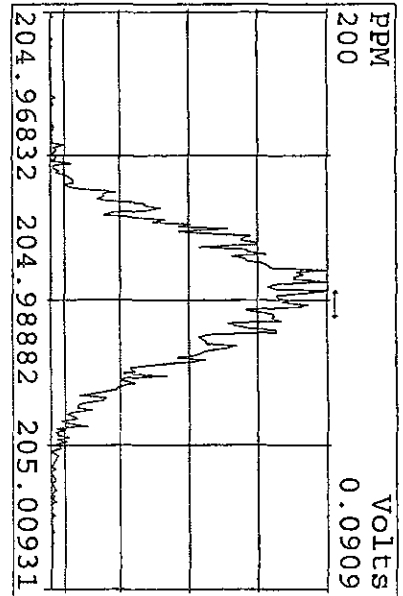
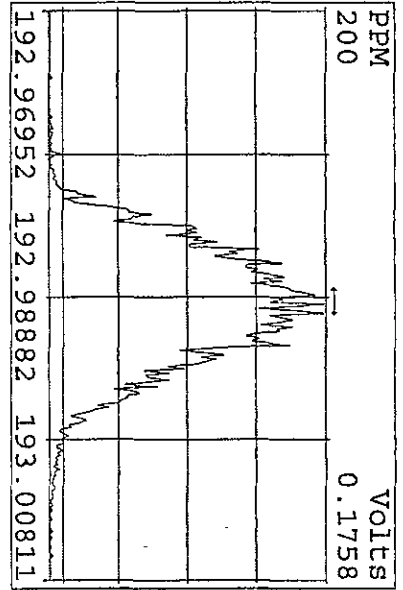
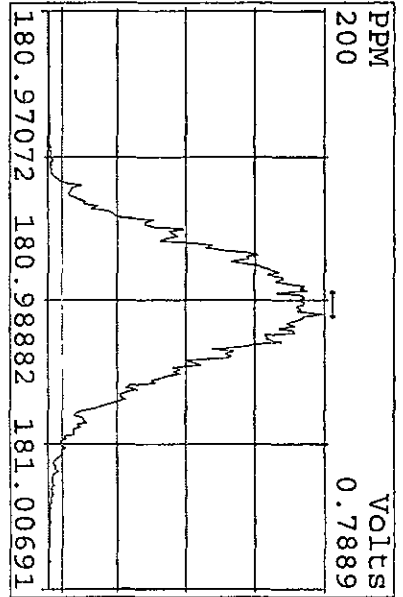
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	30658400	0.64 y	25:18	-	100.00	-	n
13C-TCB-81	26900900	0.78 y	26:54	0.88	100.00	-7.4	n
TCB-81	16721440	0.75 y	26:55	1.24	50.00	-2.7	n
13C-TCB-77	28534500	0.76 y	27:29	0.93	100.00	-5.3	n
TCB-77	15892430	0.75 y	27:30	1.11	50.00	0.9	n
13C-PeCB-123	26407600	0.65 y	28:50	0.86	100.00	-1.2	n
PeCB-123	20874370	0.56 y	28:52	1.58	50.00	4.8	n
13C-PeCB-118	32671700	0.68 y	28:58	1.07	100.00	8.2	n
PeCB-118/106	22478170	0.57 y	28:59	1.38	50.00	-9.9	n
13C-PeCB-114	31074800	0.65 y	29:37	1.01	100.00	4.9	n
PeCB-114	23990900	0.57 y	29:39	1.54	50.00	-2.6	n
13C-PeCB-105	29350600	0.65 y	30:30	0.96	100.00	6.7	n
PeCB-105/127	20142060	0.58 y	30:31	1.37	50.00	-3.5	n
13C-PeCB-126	31587400	0.63 y	32:25	1.03	100.00	13.0	n
PeCB-126	17819650	0.57 y	32:27	1.13	50.00	-3.8	n
13C-OcCB-202	38661400	0.88 y	34:41	-	100.00	-	n
13C-HxCB-167	27183300	1.23 y	33:32	0.70	100.00	-16.5	n
HxCB-167	16874920	1.21 y	33:33	1.24	50.00	6.2	n
13C-HxCB-156	21709010	1.22 y	34:49	0.56	100.00	-16.2	n
HxCB-156	14996990	1.20 y	34:50	1.38	50.00	-4.9	n
13C-HxCB-157	23554200	1.24 y	35:09	0.61	100.00	-13.8	n
HxCB-157	16397400	1.24 y	35:10	1.39	50.00	-3.7	n
13C-HxCB-169	24449800	1.26 y	37:00	0.63	100.00	-13.8	n
HxCB-169	11482240	1.23 y	37:01	0.94	50.00	-5.0	n
13C-HpCB-180	21035100	1.03 y	35:46	0.54	100.00	-6.9	n
HpCB-180	13173630	1.10 y	35:47	1.25	50.00	-1.0	n
13C-HpCB-170	17357520	1.05 y	37:26	0.45	100.00	-5.4	n
HpCB-170/190	13484780	1.08 y	37:27	1.55	50.00	-3.3	n
13C-HpCB-189	21580700	1.05 y	39:04	0.56	100.00	-6.7	n
HpCB-189	13130410	1.08 y	39:05	1.22	50.00	0.9	n
13C-DeCB-209	15703070	0.69 y	44:02	0.41	100.00	-11.7	n
DECB-209	11190960	0.69 y	44:03	1.43	50.00	-5.3	n
13C-PeCB-111	39535500	0.65 y	26:47	1.32	100.00	-2.5	n

data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
17FE09A9D5	1	ST0217	CS3 09DXN016				1.00000	
17FE09A9D5	2	SB0217	Solvent Blank C-12				1.00000	
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17FE09A9D5	4	K6Q4R-1-AC	G9B050000-237C	20	1668/AIR		0.33330	Sam
17FE09A9D5	5	K6KXH-1-AD	G9B020165-1	20	1668/AIR		0.33330	Sam
17FE09A9D5	6	K69JK-1-AC	G9B160000-431C	20	1668/WATER	82	1.00000	L
17FE09A9D5	7	K69JK-1-AA	G9B160000-431B	20	1668/WATER		1.00000	L
17FE09A9D5	8	K6CDE-2-C0	F9A270162-3RX	20	1668/WATER		1.04380	L
17FE09A9D5	9	K645J-1-AA	G9B120000-379B	20	1668/SOLID		10.00000	g
17FE09A9D5	10	K645J-1-AC	G9B120000-379C	20	1668/SOLID		10.00000	g
17FE09A9D5	11	K5H9D-2-AA	G9A070201-3RX (5X)	20	1668/WATER	76	0.95300	L
17FE09A9D5	12	K6HW4-1-AA	G9A300234-1 (5X)	20	1668/AIR	73	0.50000	Sam
17FE09A9D5	13	K6HXD-1-AA	G9A300234-2 (5X)	20	1668/AIR		0.50000	Sam
17FE09A9D5	14	K6HXE-1-AA	G9A300234-3 (5X)	20	1668/AIR		0.50000	Sam
17FE09A9D5	15	SB0217A	Solvent Blank C-12				1.00000	
17FE09A9D5	16	ST0217A	CS3 09DXN016				1.00000	
17FE09A9D5	17	SB0217B	Solvent Blank C-12				1.00000	
17FE09A9D5	18	K6N6R-1-C2	F9B040141-1	20	1668/SOLID	82	10.05000	g
17FE09A9D5	19	K6N6R-1-E5	F9B040141-1S	20	1668/SOLID		10.05500	g
17FE09A9D5	20	K6N6R-1-E6	F9B040141-1D	20	1668/SOLID		10.00500	g
17FE09A9D5	21	K6N7T-1-CD	F9B040141-4	20	1668/SOLID		10.02500	g
17FE09A9D5	22	K6HEX-1-CD	F9A300184-7 RI	20	1668/SOLID	72	10.04000	g
17FE09A9D5	23	K6KC1-1-C1	F9B020113-1 RI	20	1668/SOLID	76	10.04500	g
17FE09A9D5	24	K6N7X-1-CD	F9B040141-6	20	1668/SOLID	82	10.15500	g
17FE09A9D5	25	K6N73-1-CD	F9B040141-7	20	1668/SOLID		10.07500	g
17FE09A9D5	26	K6N76-1-CD	F9B040141-9	20	1668/SOLID		10.13500	g
17FE09A9D5	27	K6N8C-1-CD	F9B040141-11	20	1668/SOLID		10.00500	g
17FE09A9D5	28	K6N8H-1-CD	F9B040141-13	20	1668/SOLID		10.05000	g
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17FE09A9D5	33	K6WXL-1-CD	F9B070176-3	20	1668/SOLID	82	10.13500	g
17FE09A9D5	34	K6WXM-1-CD	F9B070176-4	20	1668/SOLID		10.05500	g
17FE09A9D5	35	K6WXV-1-CD	F9B070176-7	20	1668/SOLID		10.09000	g
17FE09A9D5	36	K6WXQ-1-CD	F9B070176-6	20	1668/SOLID		10.17000	g
17FE09A9D5	37	K6WXQ-1-E9	F9B070176-6S	20	1668/SOLID		10.04500	g
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17FE09A9D5	39	K6WX1-1-CD	F9B070176-9	20	1668/SOLID		10.05500	g
17FE09A9D5	40	K6WX4-1-CD	F9B070176-11	20	1668/SOLID		10.11500	g
17FE09A9D5	41	K6WX9-1-CD	F9B070176-14	20	1668/SOLID		10.03500	g
17FE09A9D5	42	K6W0D-1-CD	F9B070176-16	20	1668/SOLID		10.03000	g
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17FE09A9D5	44	ST0217C	CS3 09DXN016				1.00000	
17FE09A9D5	45	SB0217F	Solvent Blank C-12				1.00000	
17FE09A9D5	46	K60L7-1-C0	F9B100109-16	20	1668/WATER	82	1.03590	L
17FE09A9D5	47	K63KF-1-C0	F9B110228-23	20	1668/WATER		1.04900	L
17FE09A9D5	48	K64CG-1-C0	F9B120113-21	20	1668/WATER		1.03570	L
17FE09A9D5	49	K66KL-1-C0	F9B130146-18	20	1668/WATER		1.03650	L
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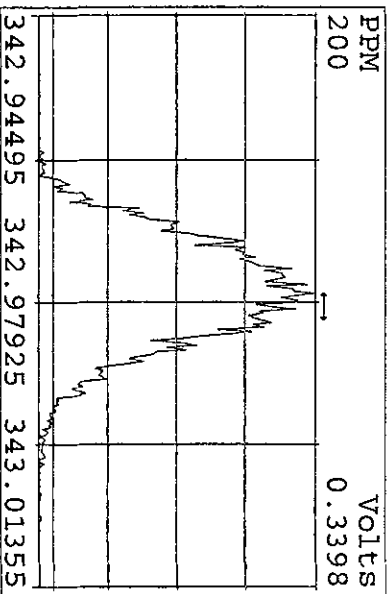
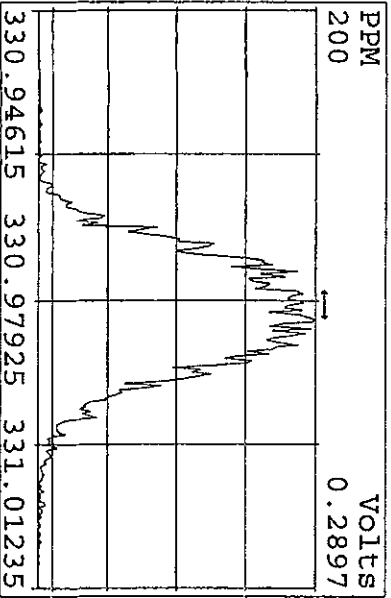
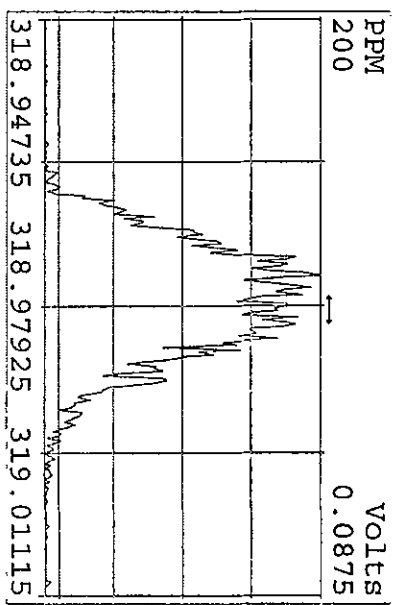
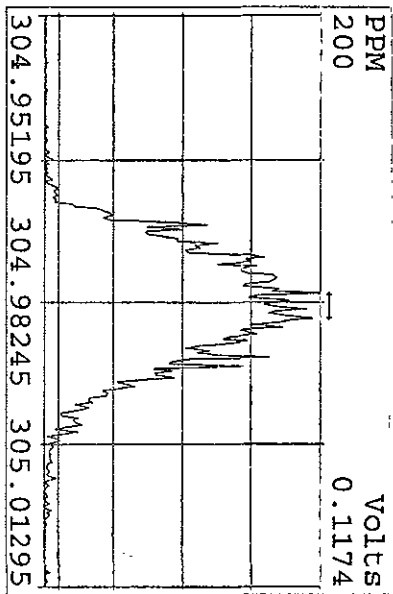
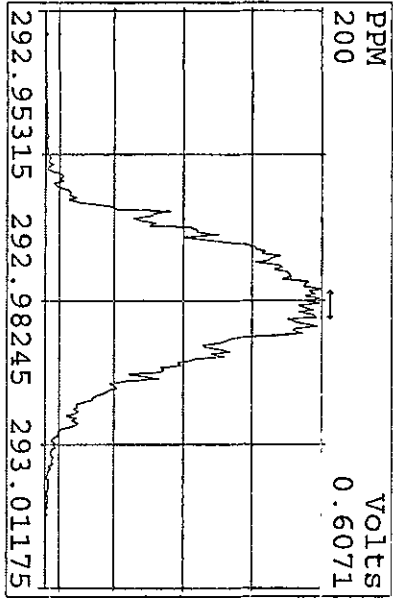
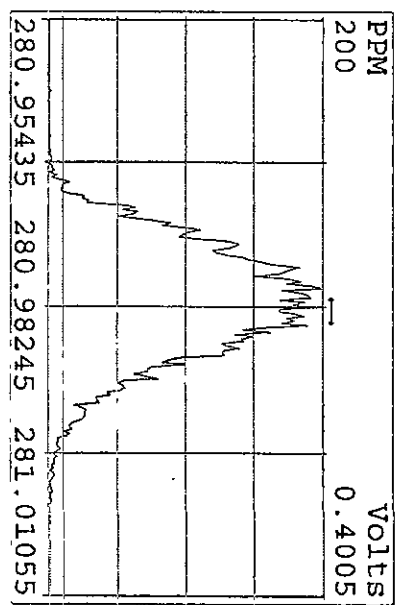
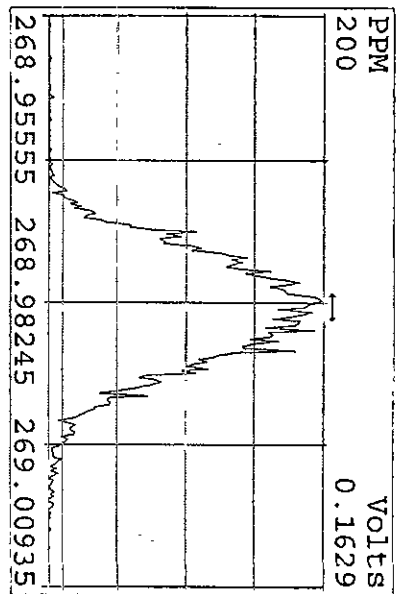
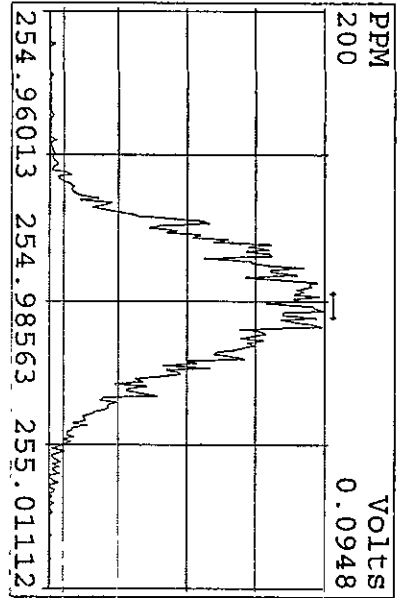
AM, MG 02/17/09

*File John*  
*2/17/09*

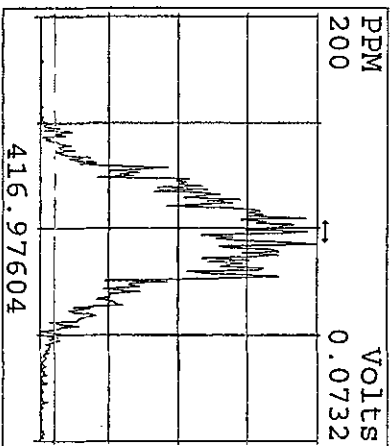
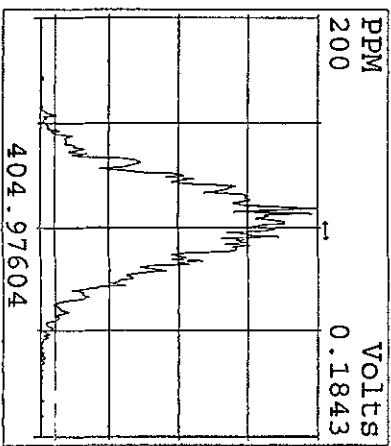
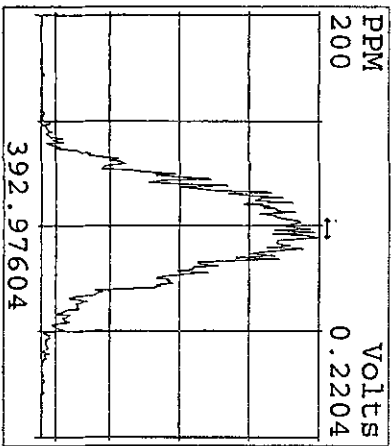
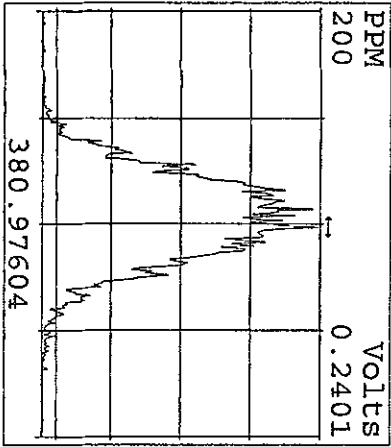
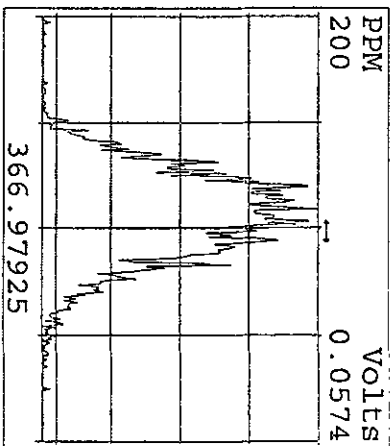
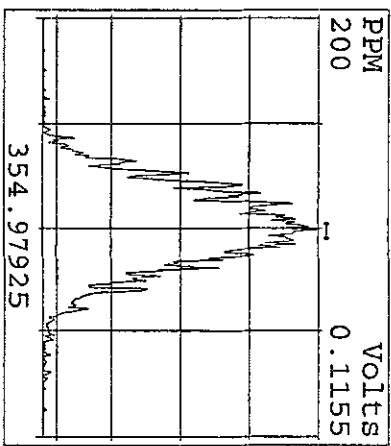
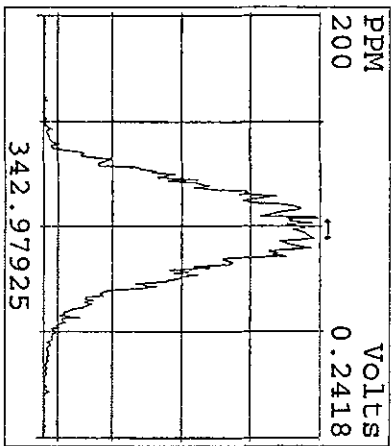
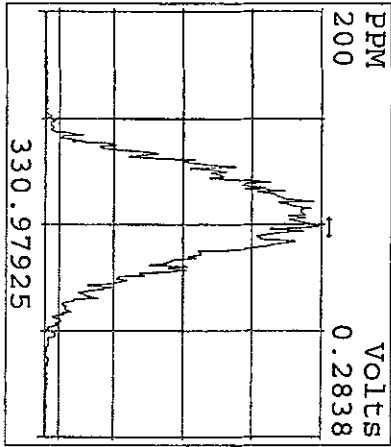
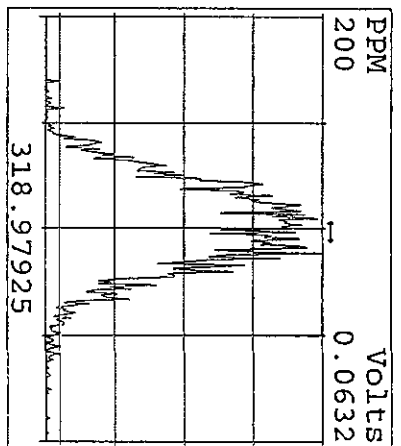
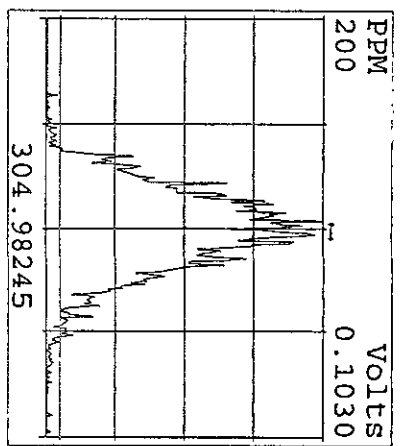
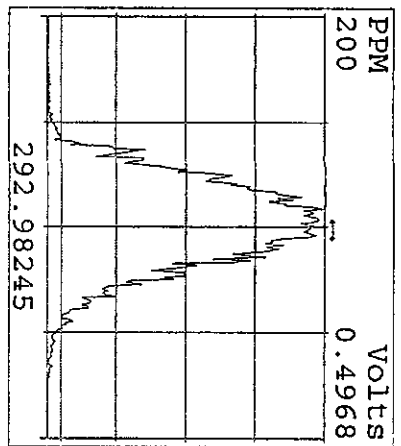
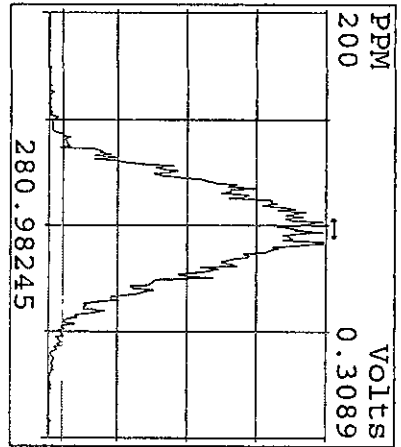
Peak Locate Examination:17-FEB-2009:18:35 File:17FE09A9D5  
 Experiment:209DB5 Function:1 Reference:PK



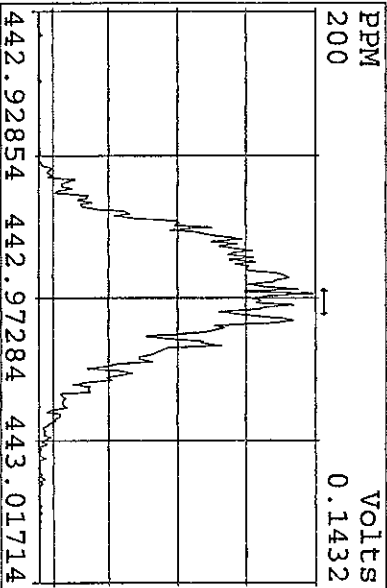
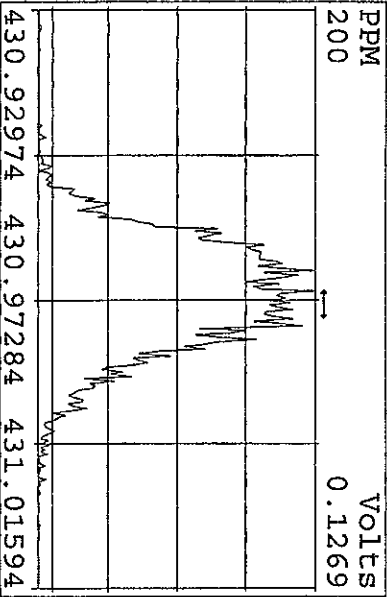
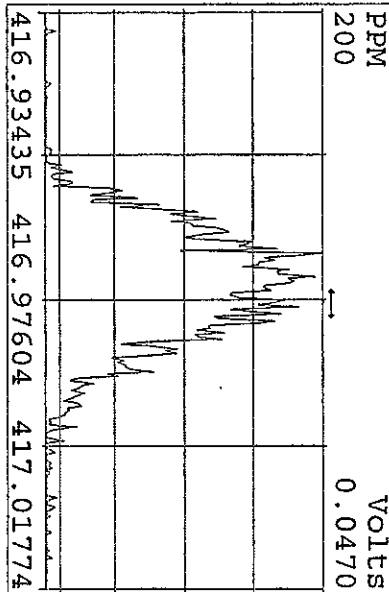
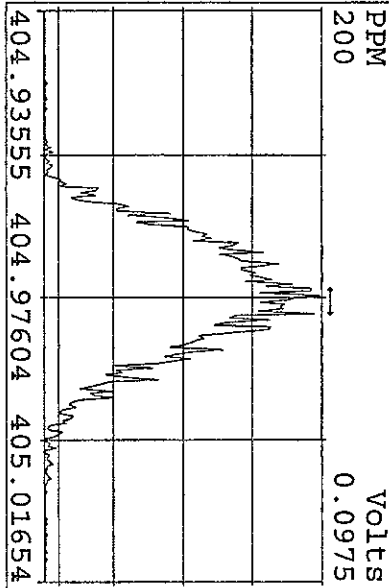
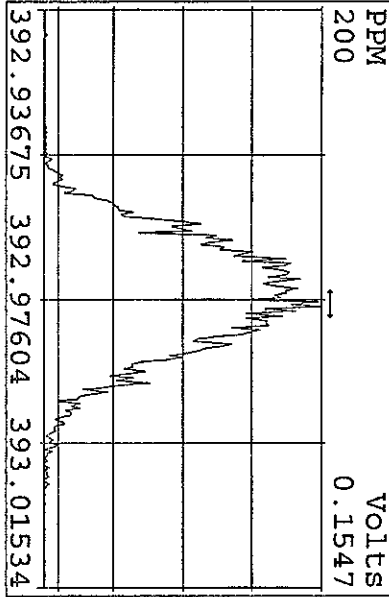
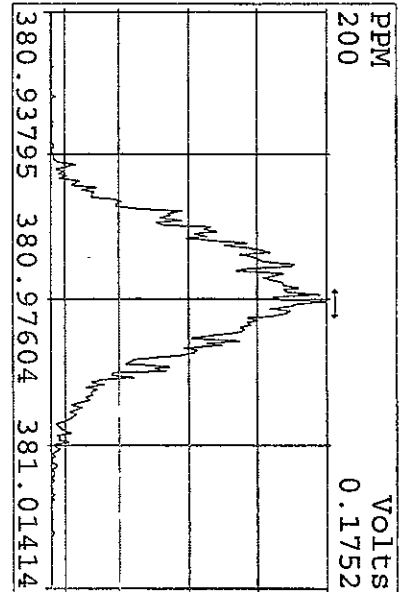
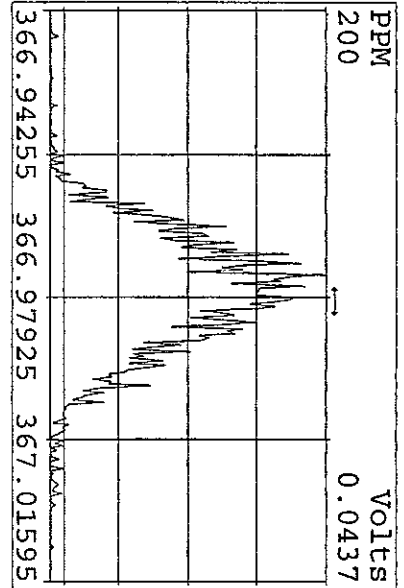
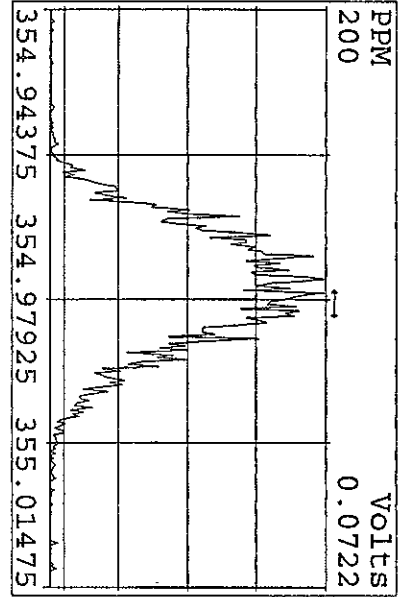
Peak Locate Examination:17-FEB-2009:18:37 File:17FE09A9D5  
 Experiment:209DB5 Function:2 Reference:PFK



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Experiment:209DB5 Function:3 Reference:PKK

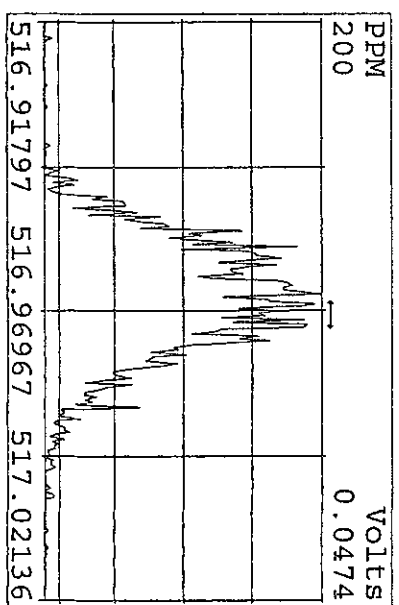
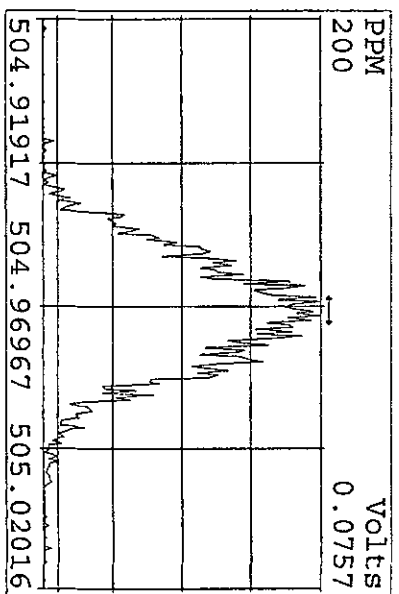
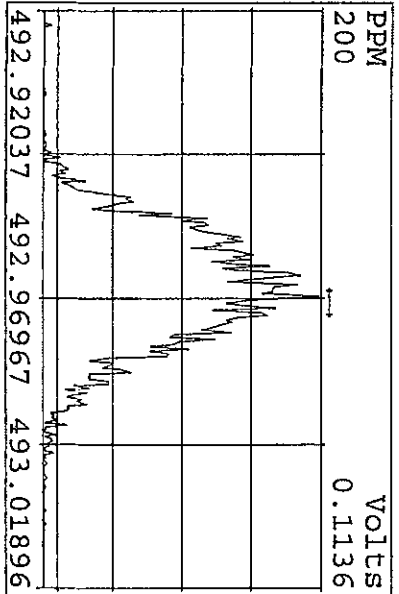
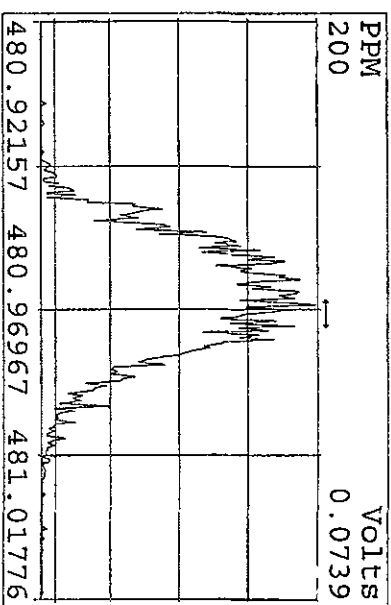
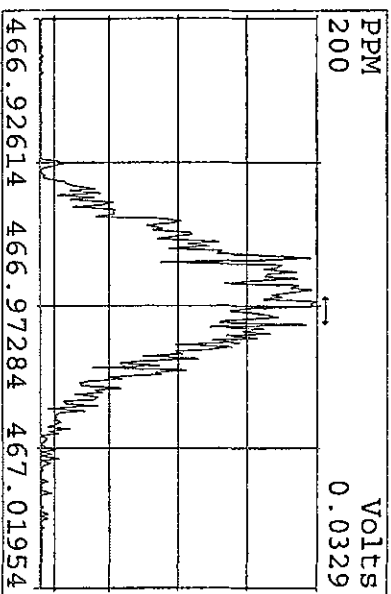
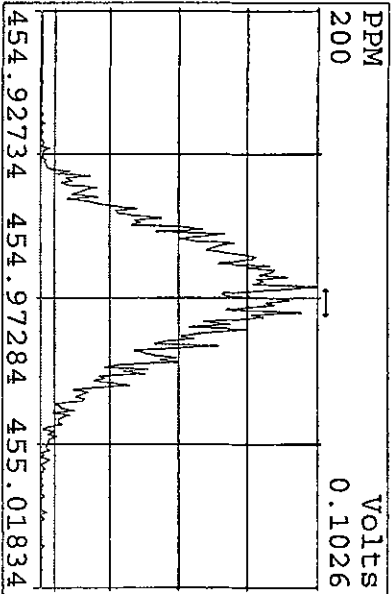
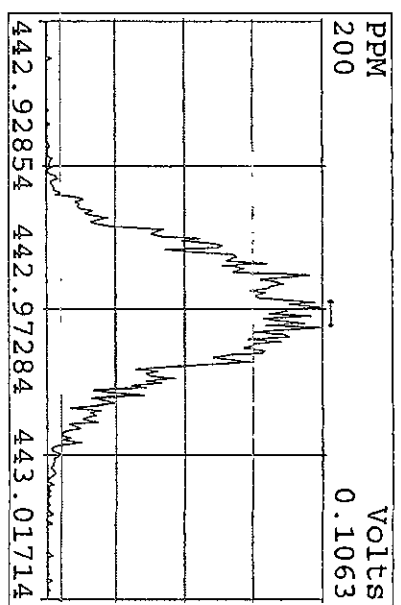
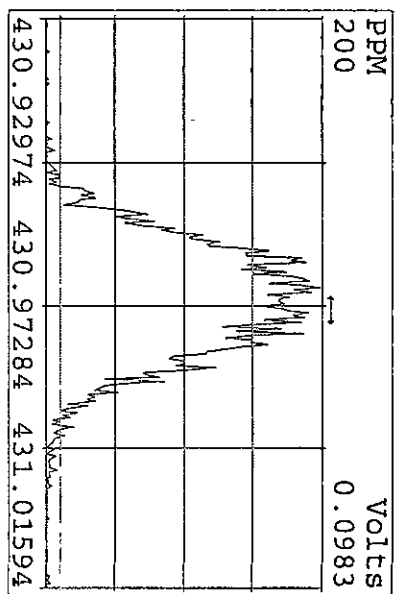
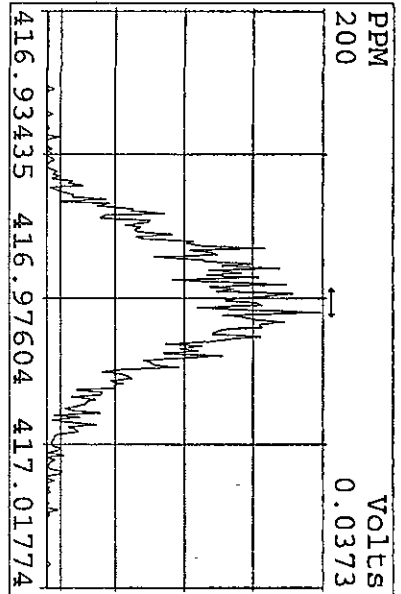


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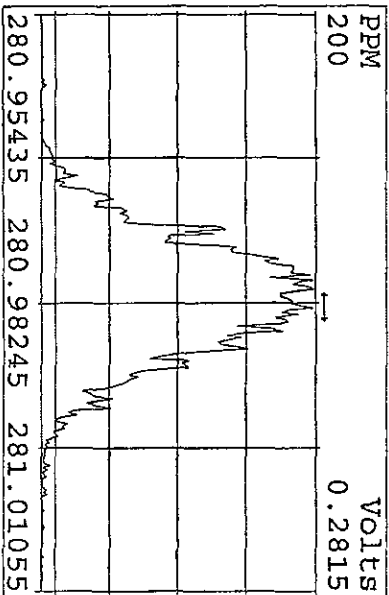
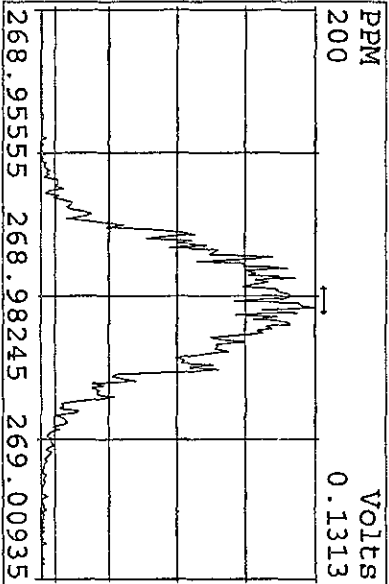
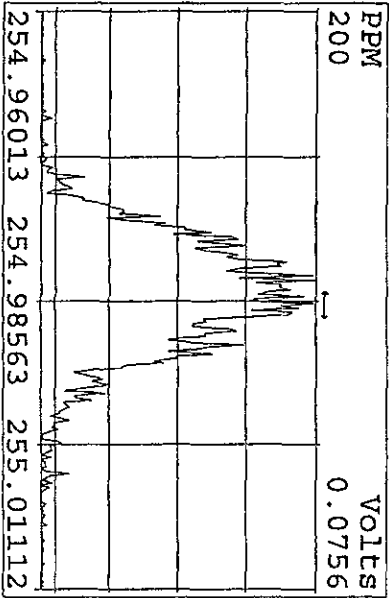
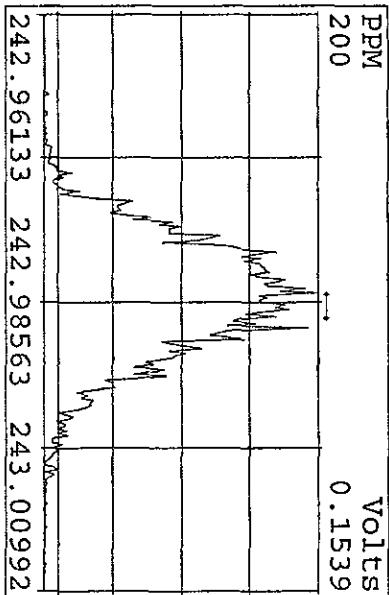
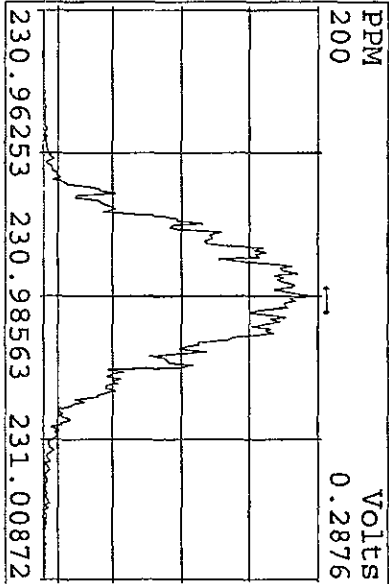
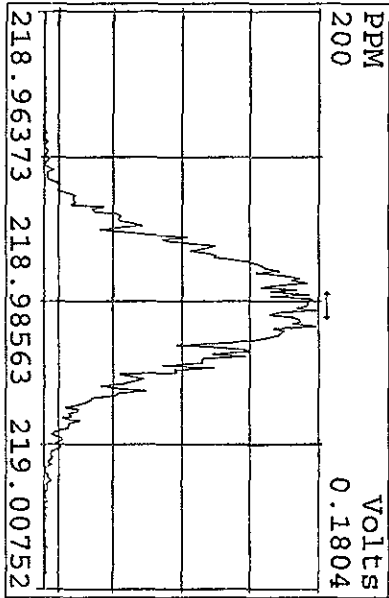
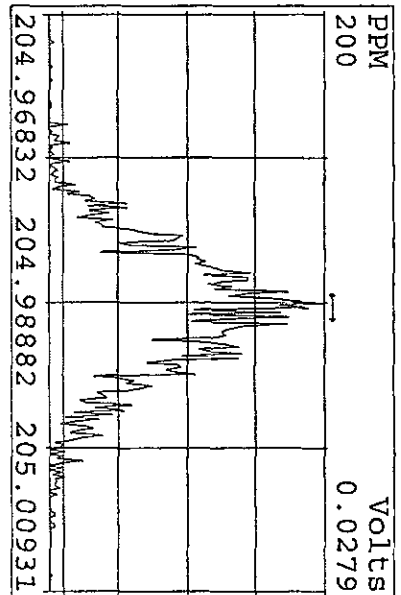
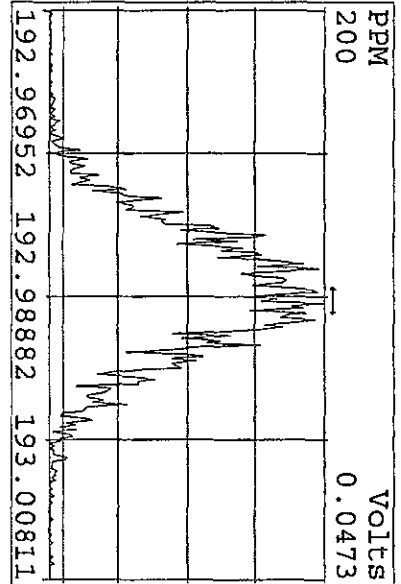
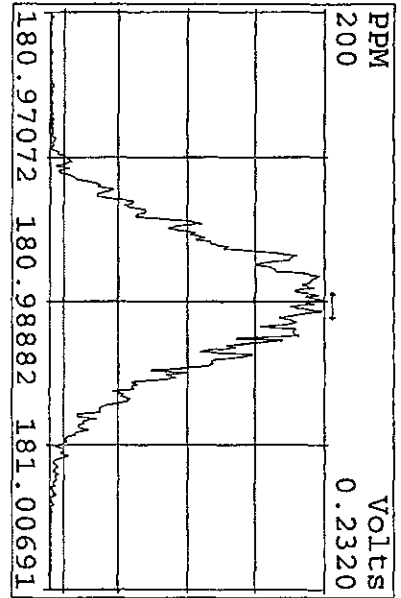




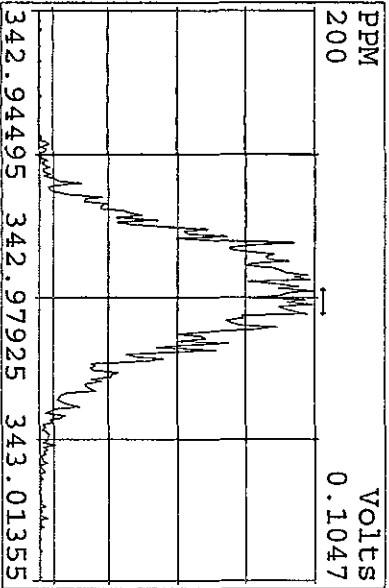
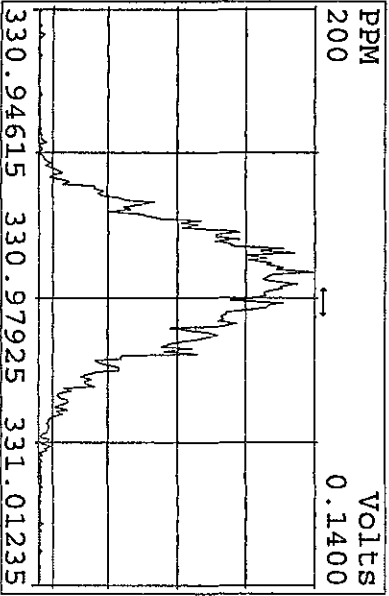
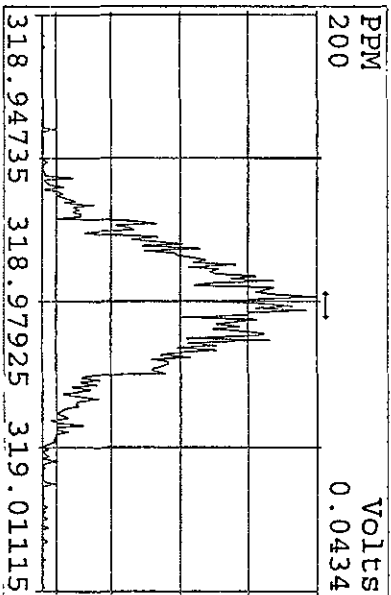
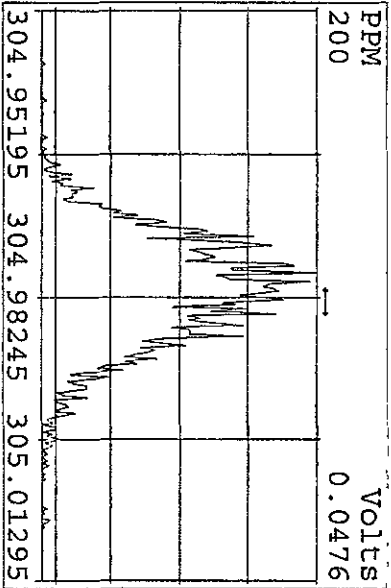
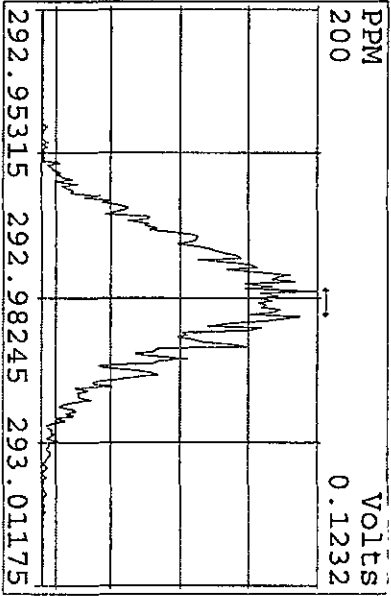
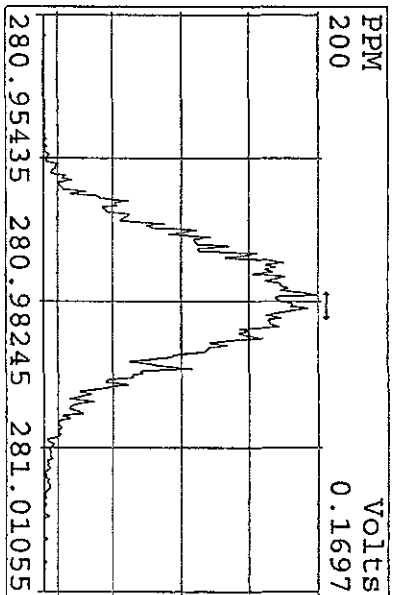
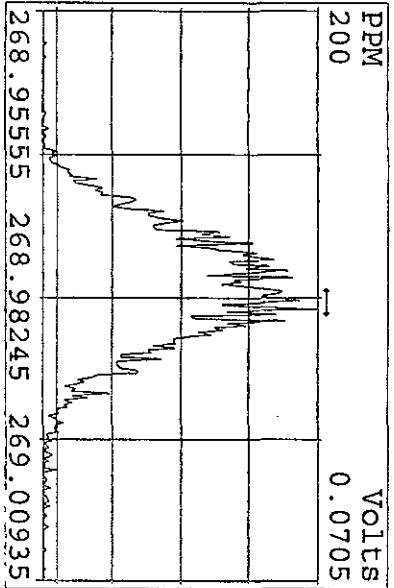
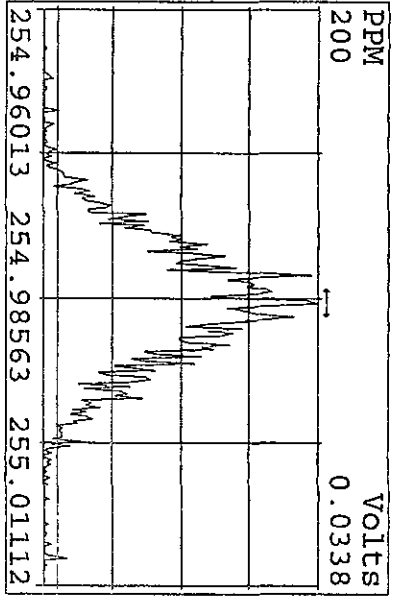
Peak Locate Examination: 17-FEB-2009: 18:41 File: 17FE09A9D5  
 Experiment: 209DB5 Function: 5 Reference: PFK



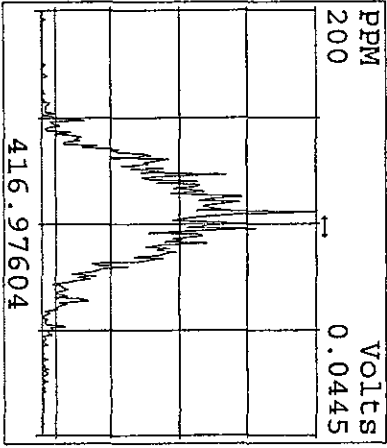
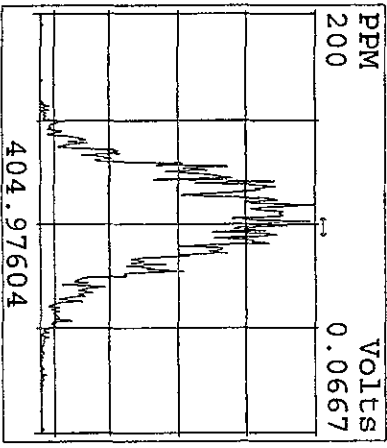
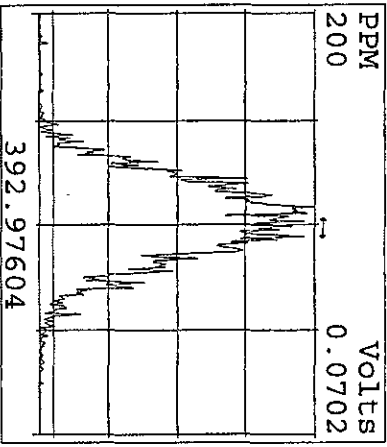
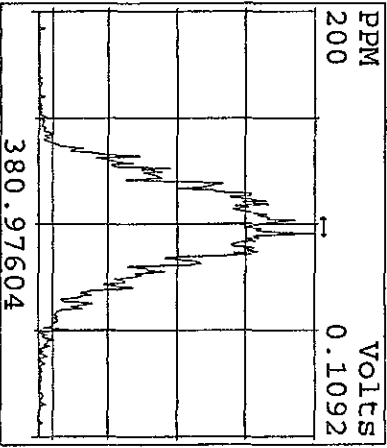
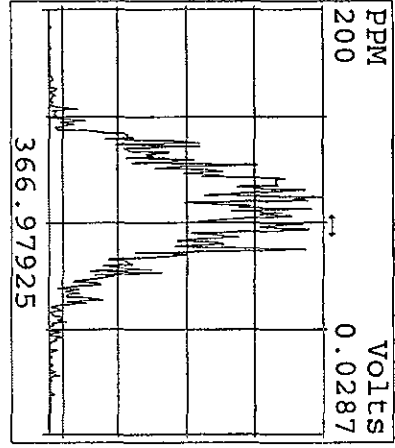
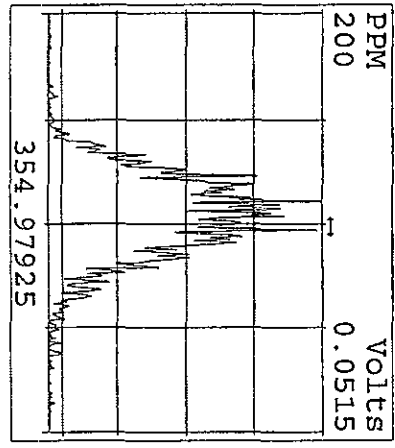
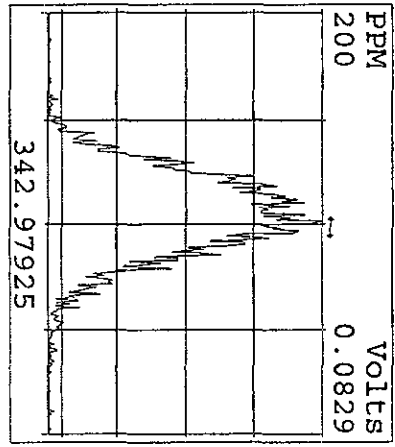
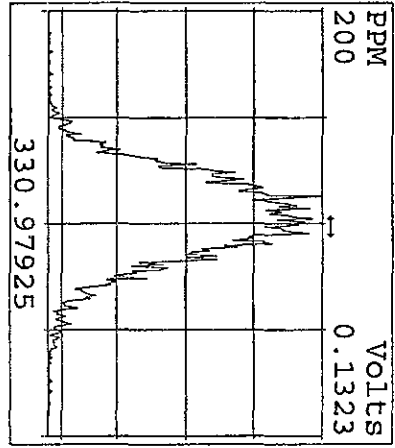
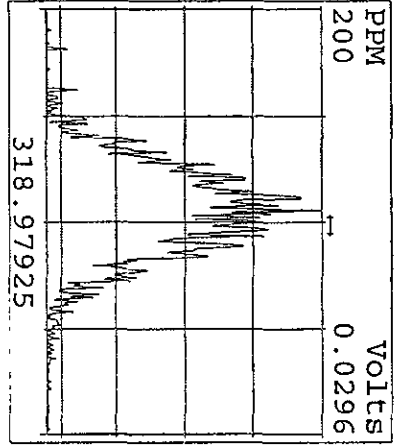
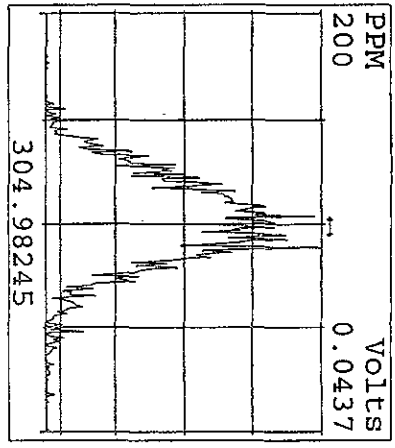
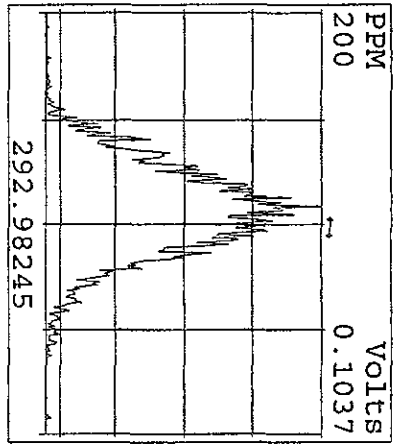
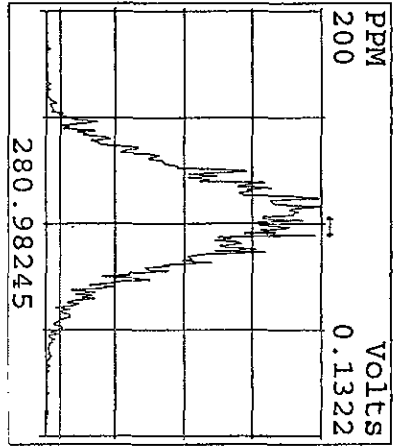
Peak Locate Examination:19-FEB-2009:14:22 File:17FE09A9D5ENDRES  
 Experiment:209DB5 Function:1 Reference:PFK



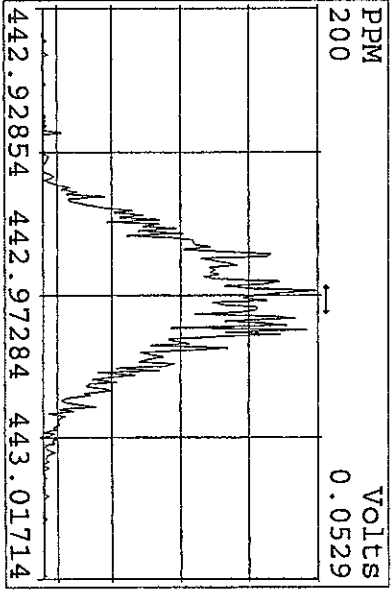
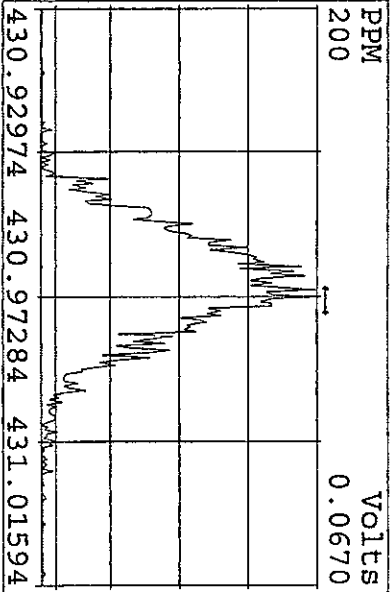
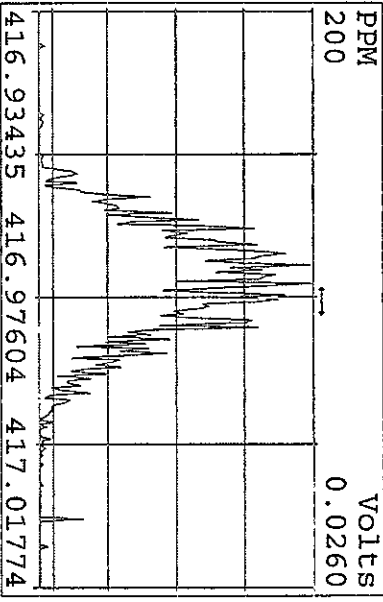
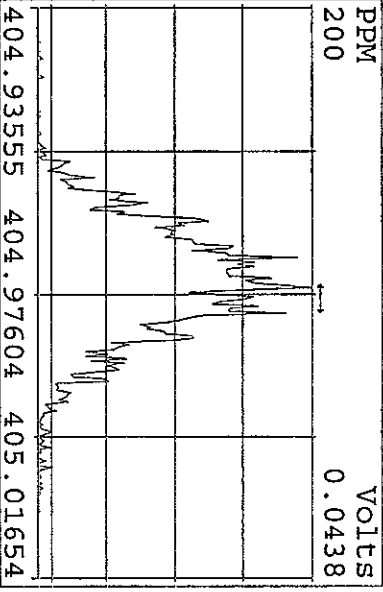
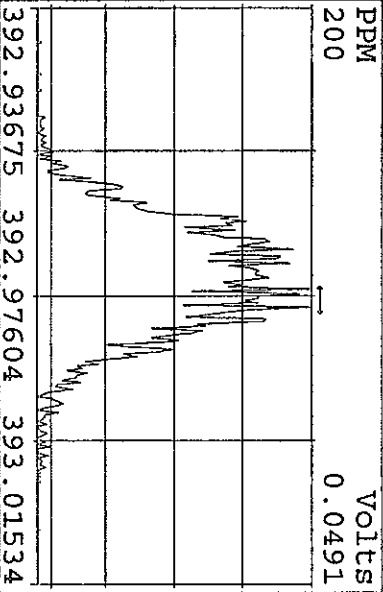
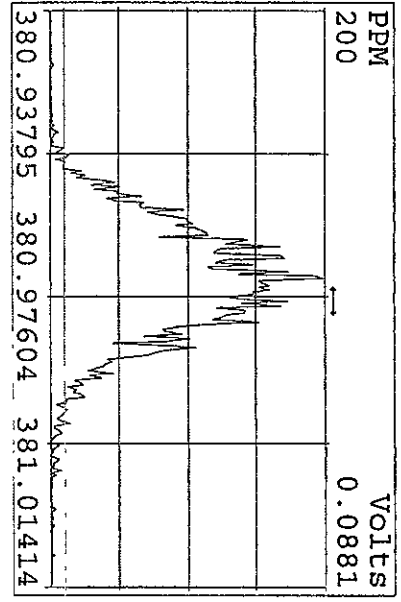
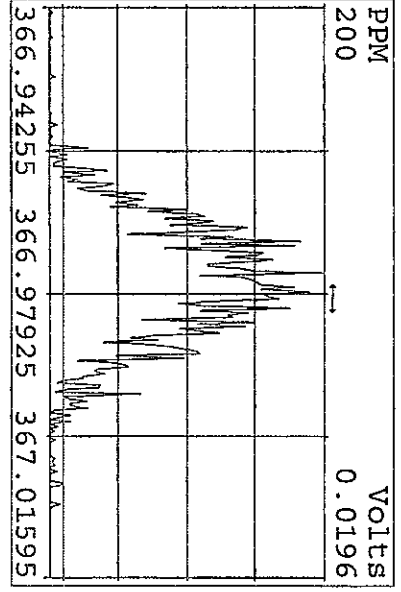
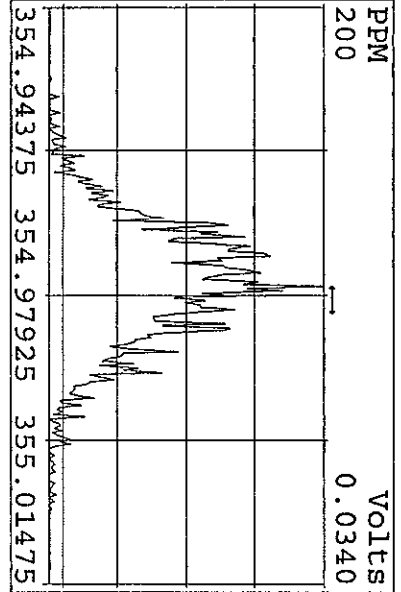
Peak Locate Examination:19-FEB-2009:14:23 File:17FE09A9D5ENDRES  
 Experiment:209DB5 Function:2 Reference:PFK



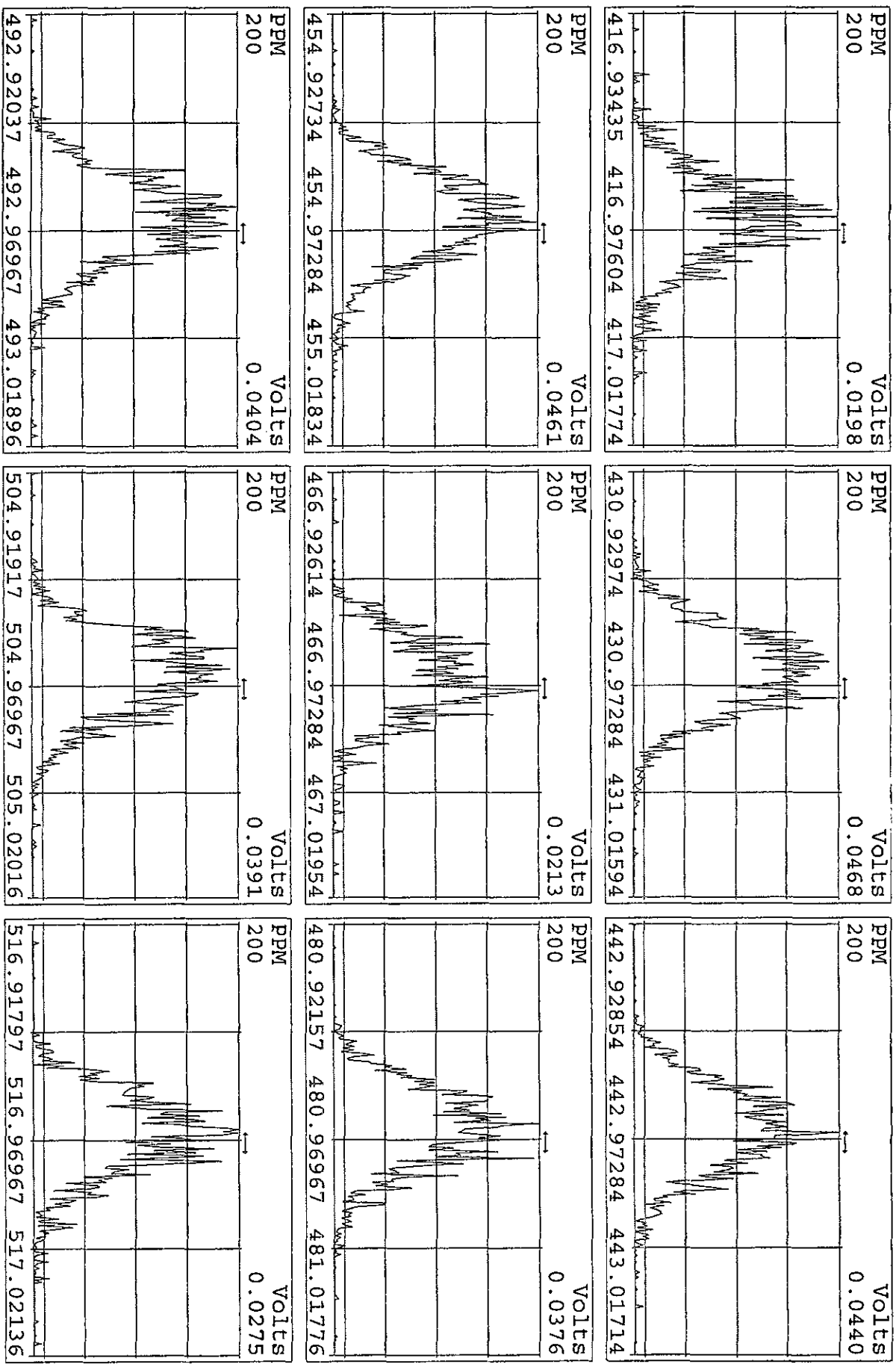
Peak Locate Examination: 19-FEB-2009:14:23 File: 17FE09A9D5ENDRES  
Experiment: 209DB5 Function: 3 Reference: PK



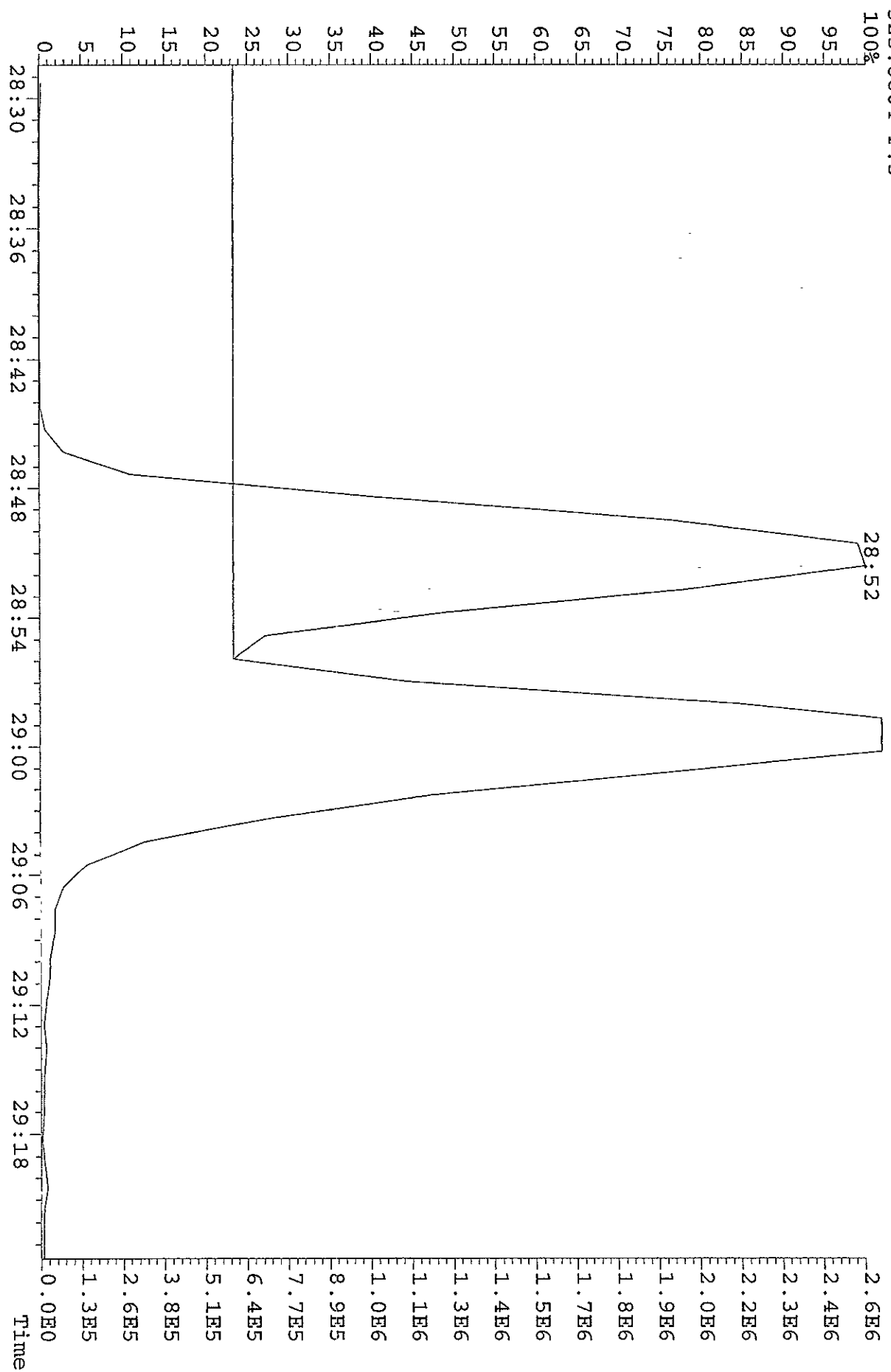
Peak Locate Examination: 19-FEB-2009:14:24 File:17FE09A9D5ENDRES  
 Experiment:209DB5 Function:4 Reference:PFK



Peak Locate Examination:19-FEB-2009:14:24 File:17FE09A9D5ENDRES  
 Experiment:209DB5 Function:5 Reference:PFK



File: 17FE09A9D5 #1-598 Acq: 17-FEB-2009 18:42:55 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#1 Exp: 209DB5  
325.8804 F: 3



ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

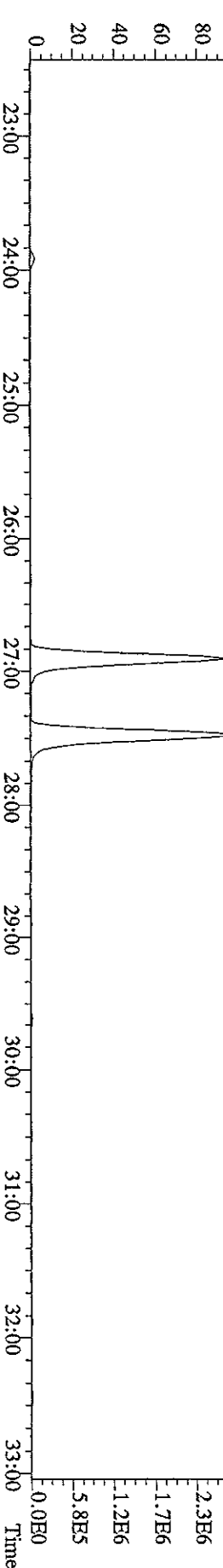
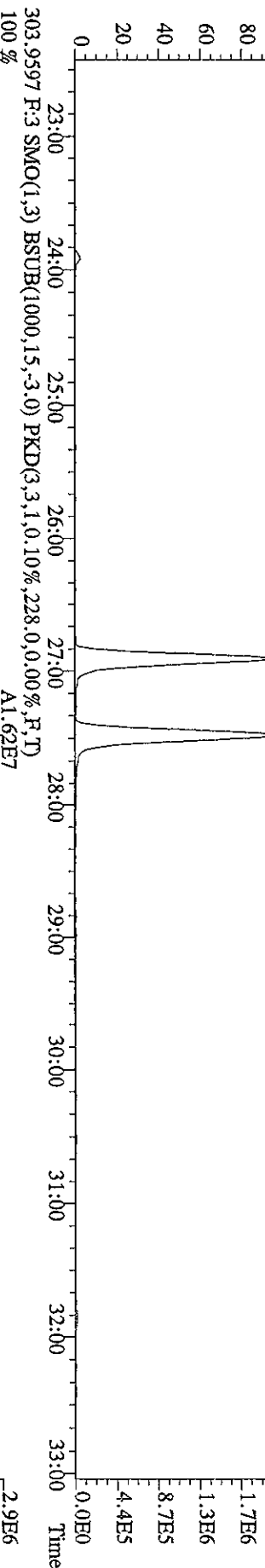
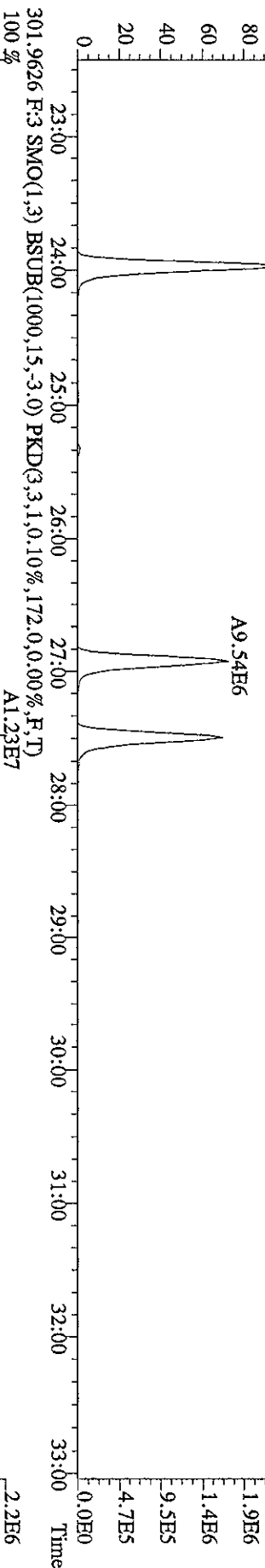
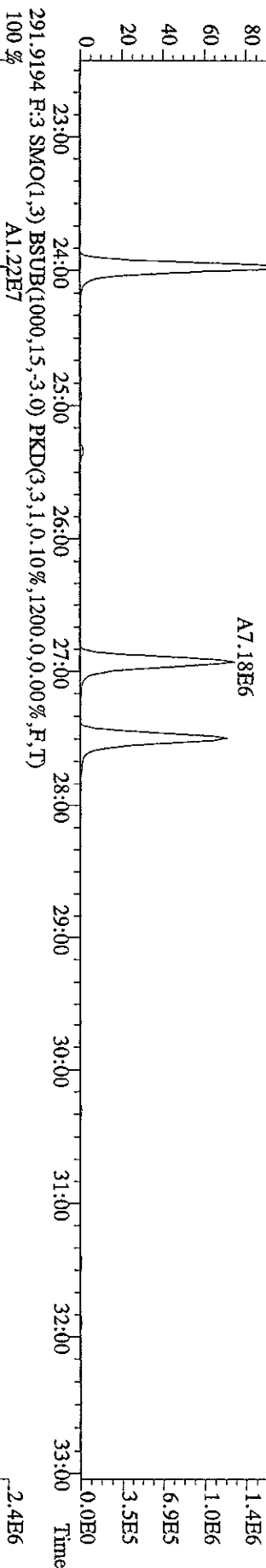
15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PecB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PecB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PecB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PecB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PecB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PecB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PecB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PecB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PecB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PecB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

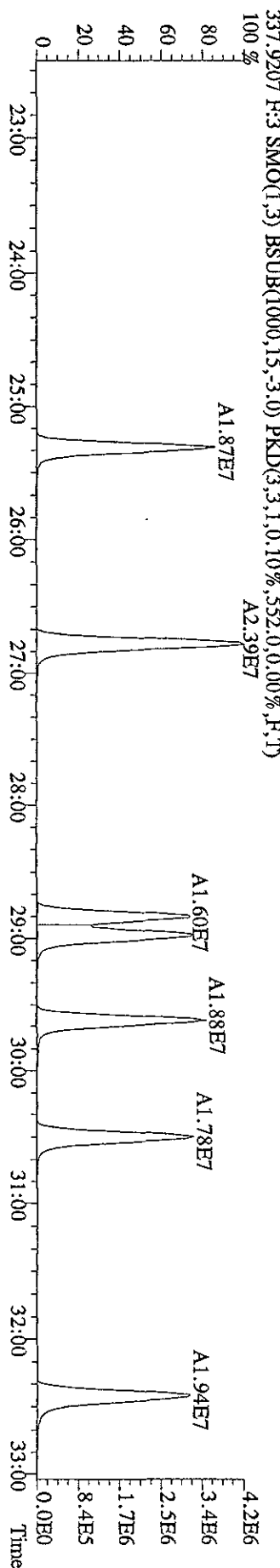
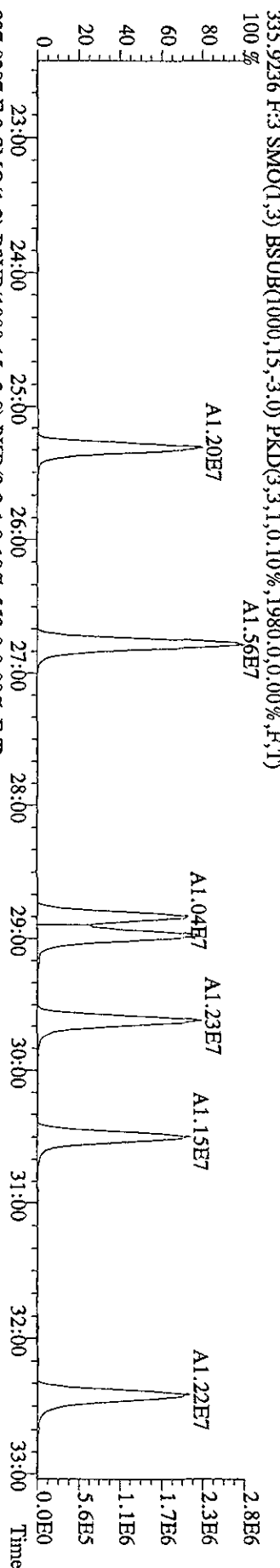
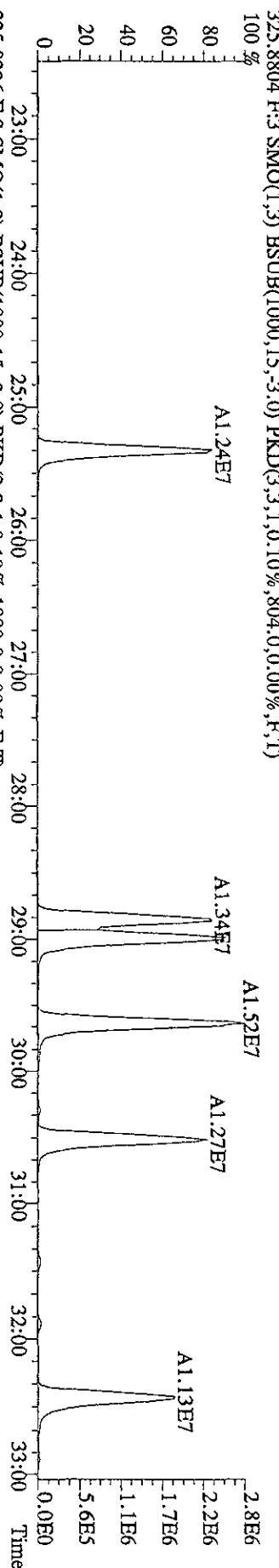
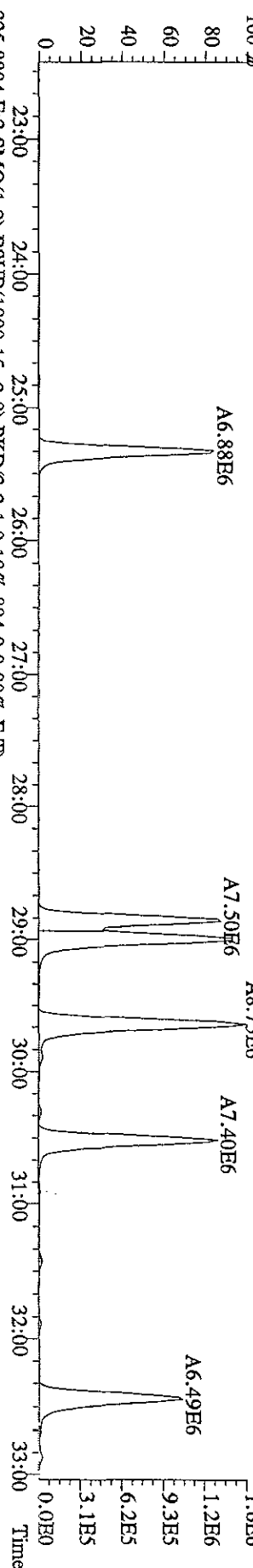


13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

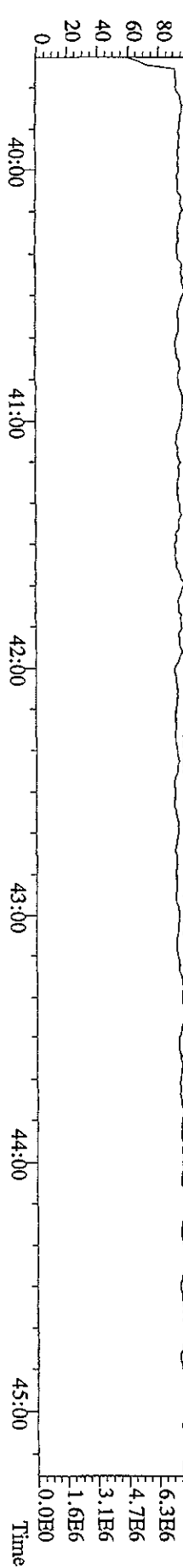
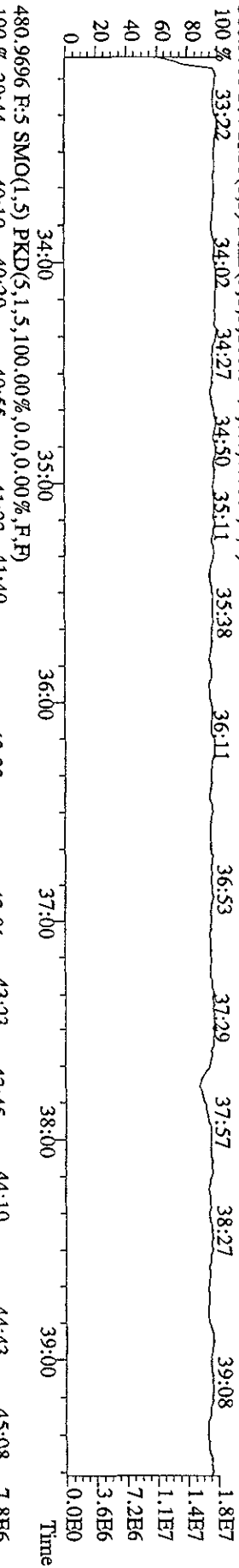
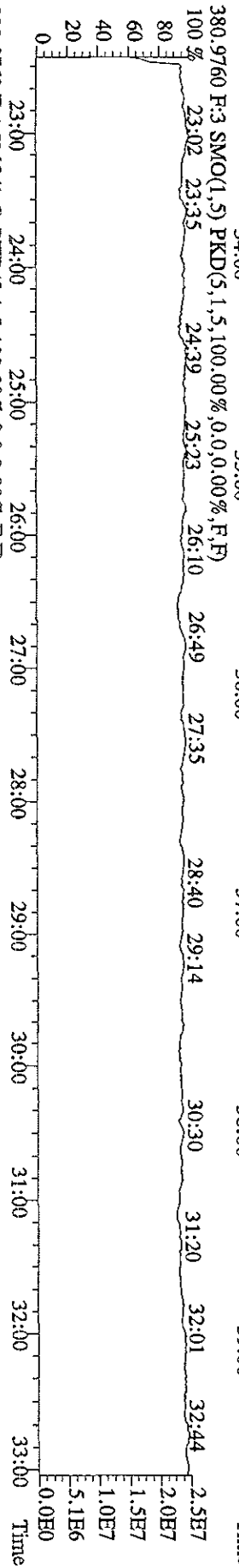
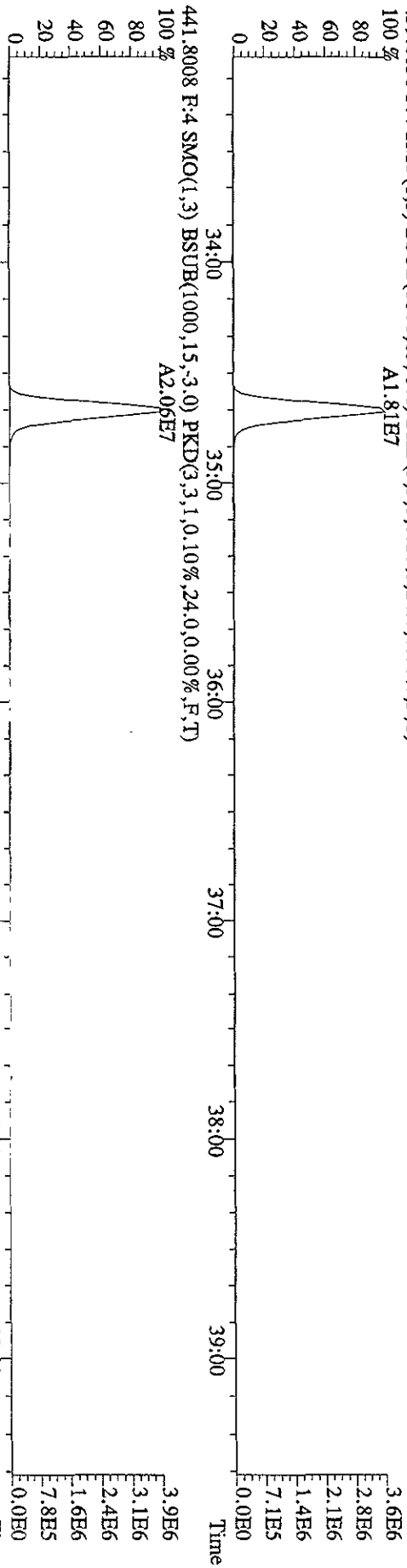
File: 17FEB09A9D5 #1-598 Accq: 17-FEB-2009 18:42:55 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0217 : C53 09DXN016 Exp: 209DB5  
 289.9724 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,388.0,0.00%,F,T)  
 100% A8.76E6



File:17FEB09A9D5 #1-598 Acq:17-FEB-2009 18:42:55 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0217 :CSS 09DXN016 Exp:209DB5  
 323.8834 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1292.0,0.00%,F,T)

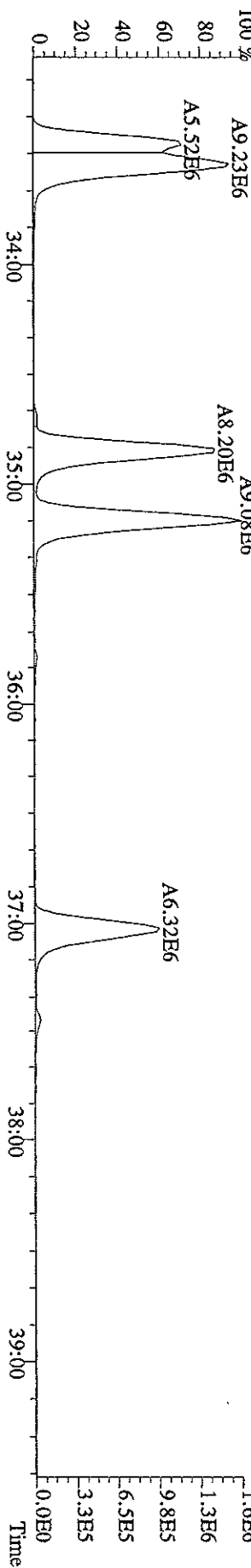


File:17FEB09A9D5 #1-394 Acq:17-FEB-2009 18:42:55 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0217 :CS3 09DXN016 Exp:209DB5  
 439.8038 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,24.0,0.00%,F,T)  
 100% A1.81E7

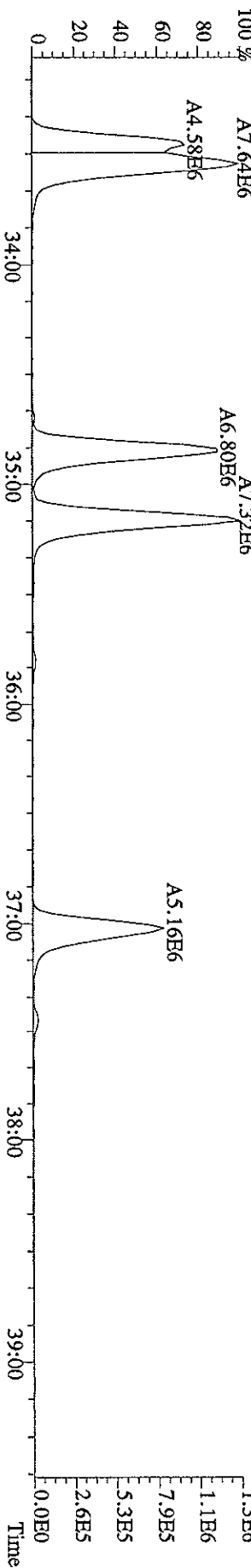


Sample#1 Text: ST0217 : CS3 09DXN016 Exp: 209DB5

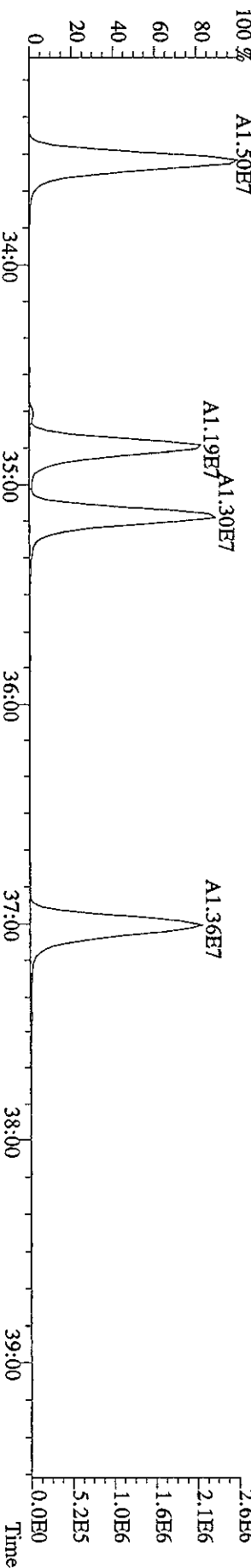
359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1364,0,0,00%,F,T)



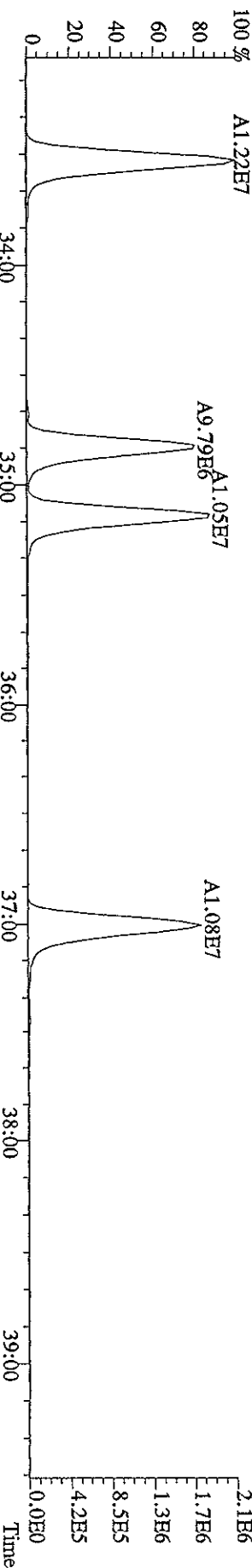
361.8385 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1364,0,0,00%,F,T)



371.8817 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2052,0,0,00%,F,T)



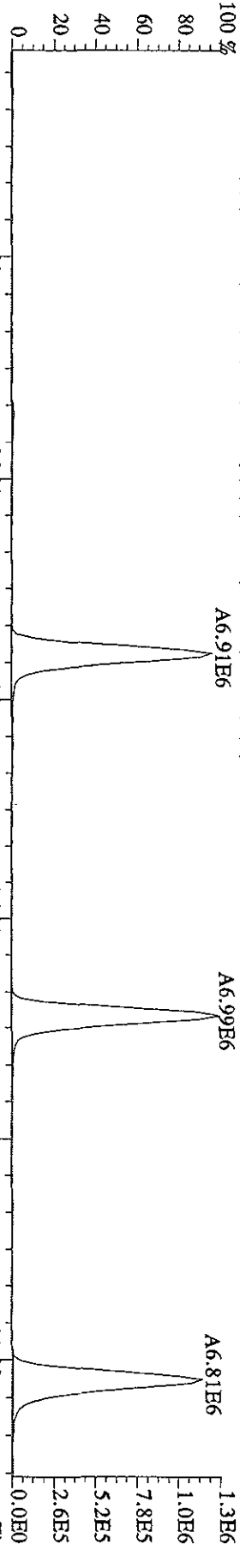
373.8788 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1452,0,0,00%,F,T)



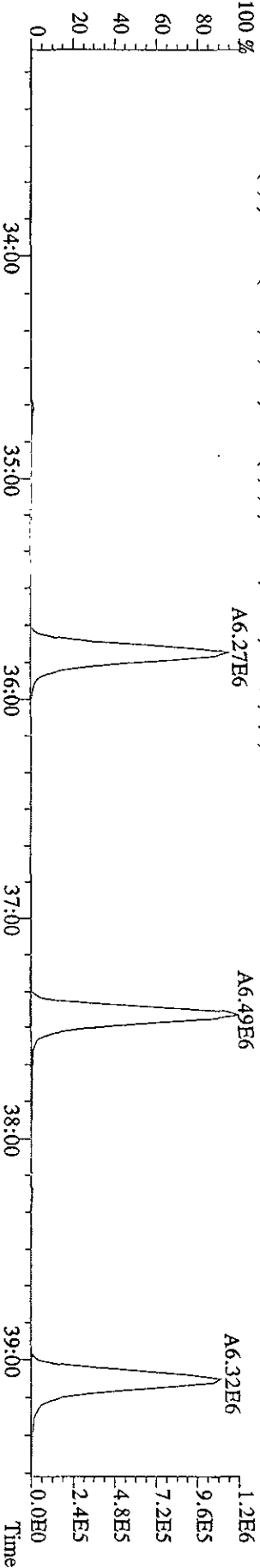
File:17FEE09A9D5 #1-394 Acq:17-FEB-2009 18:42:55 GC HI+ Voltage SIR Autospec-UltimaE

Sample#1 Text:ST0217 :CS3 09DXN016 Exp:209DB5

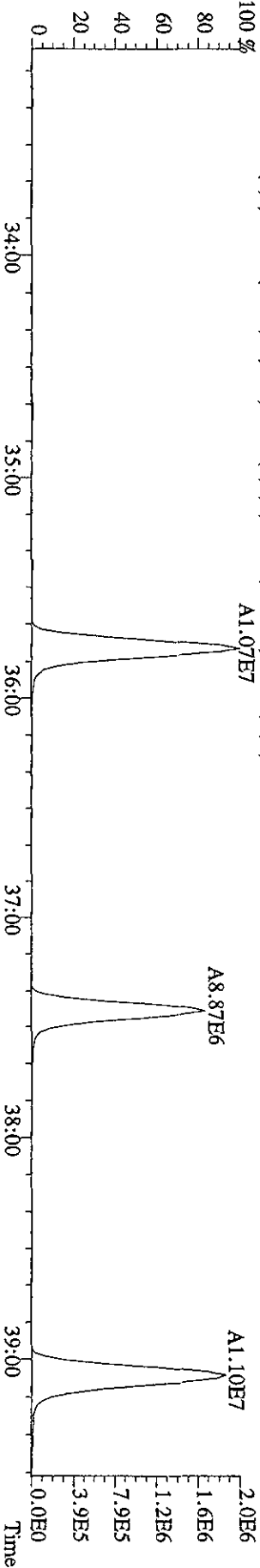
393.8025 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2092.0,0.00%,F,T)



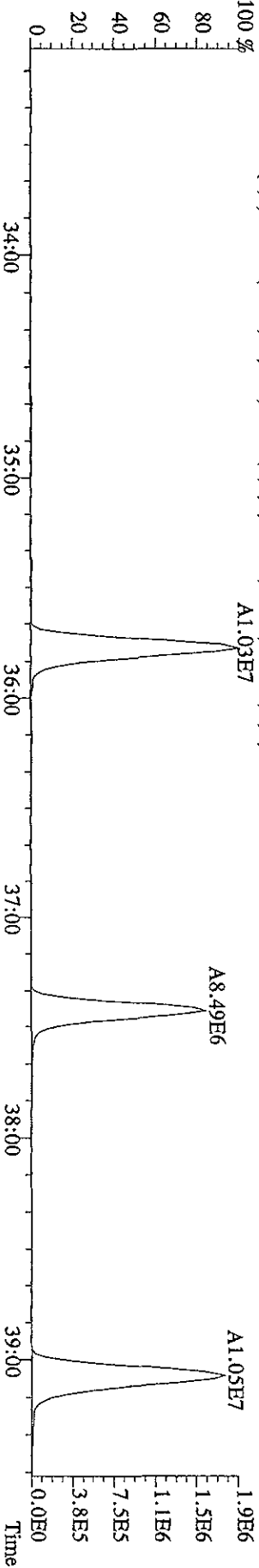
395.7995 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,556.0,0.00%,F,T)



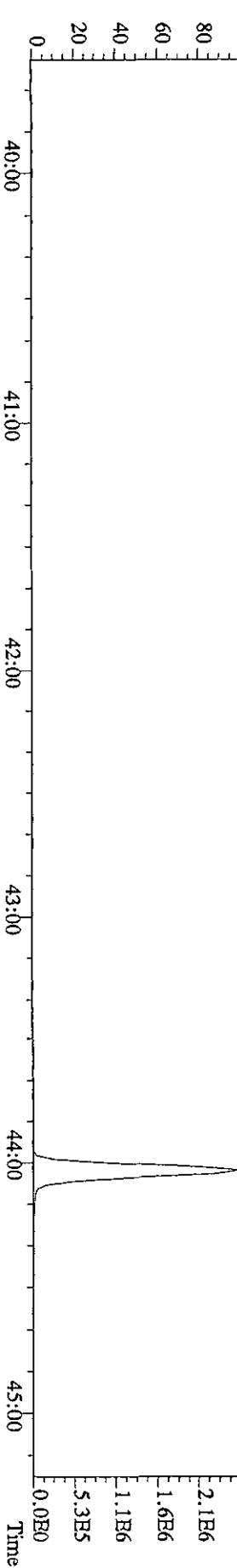
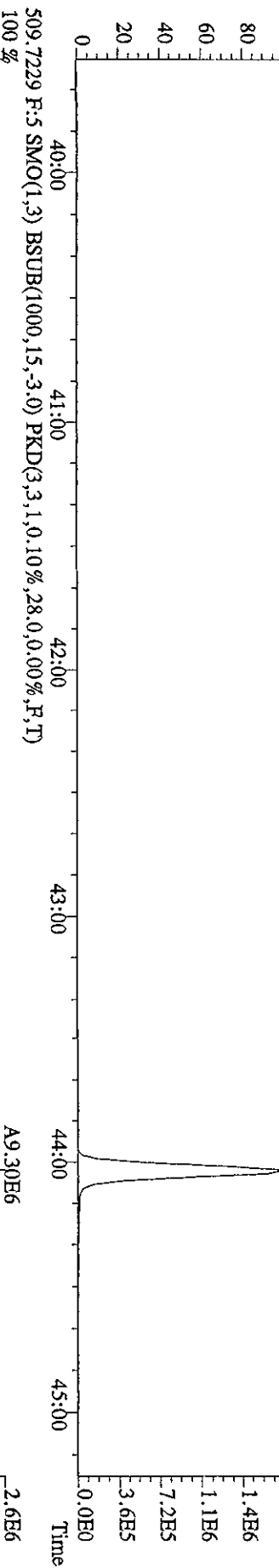
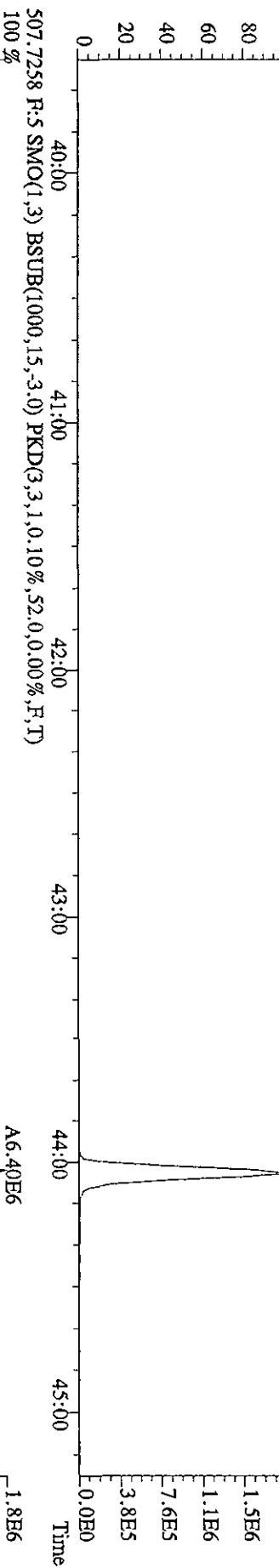
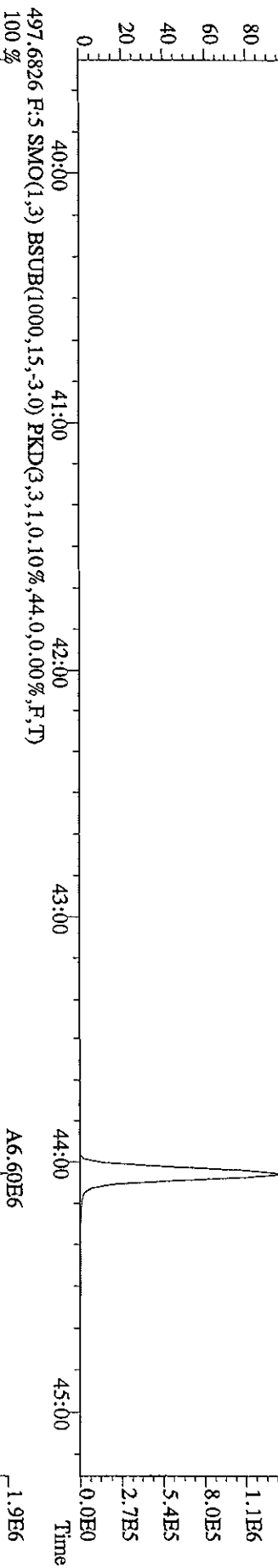
405.8428 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1068.0,0.00%,F,T)



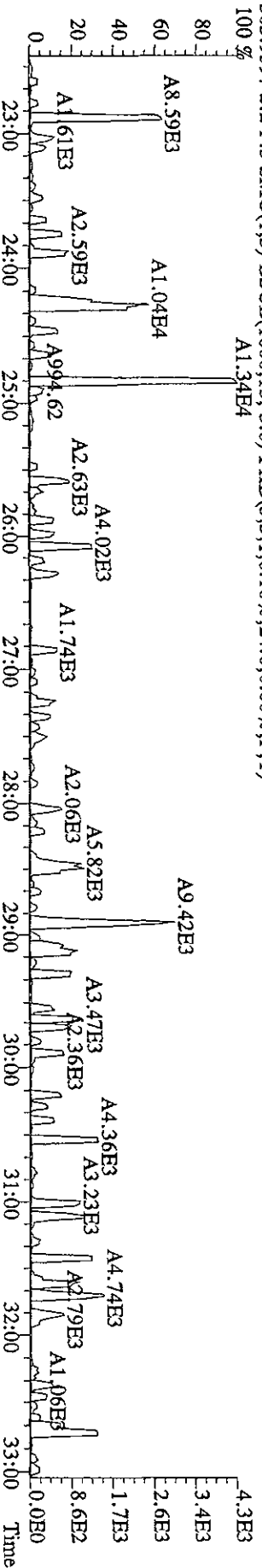
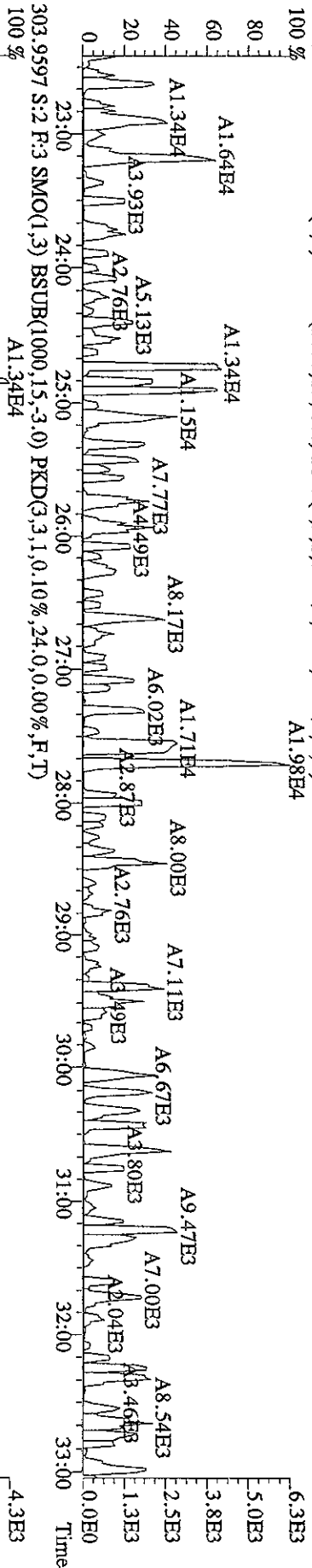
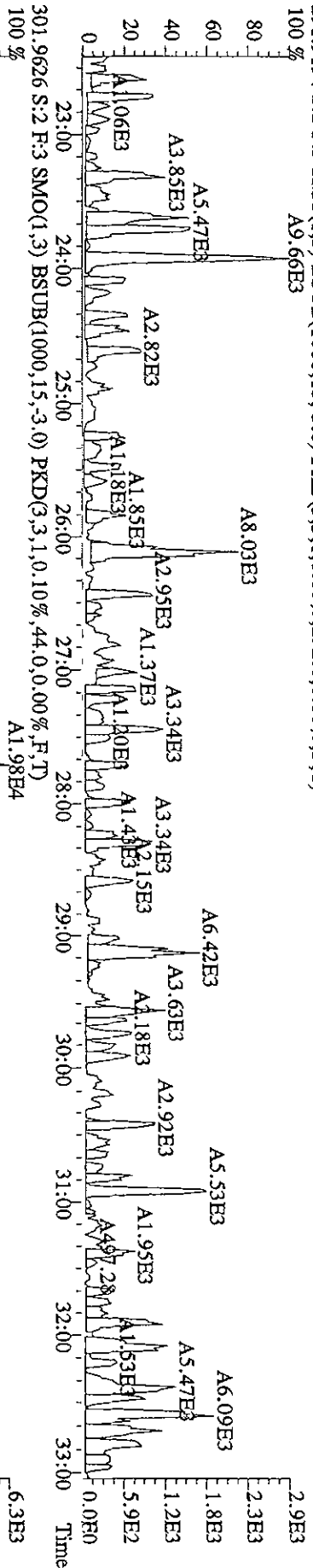
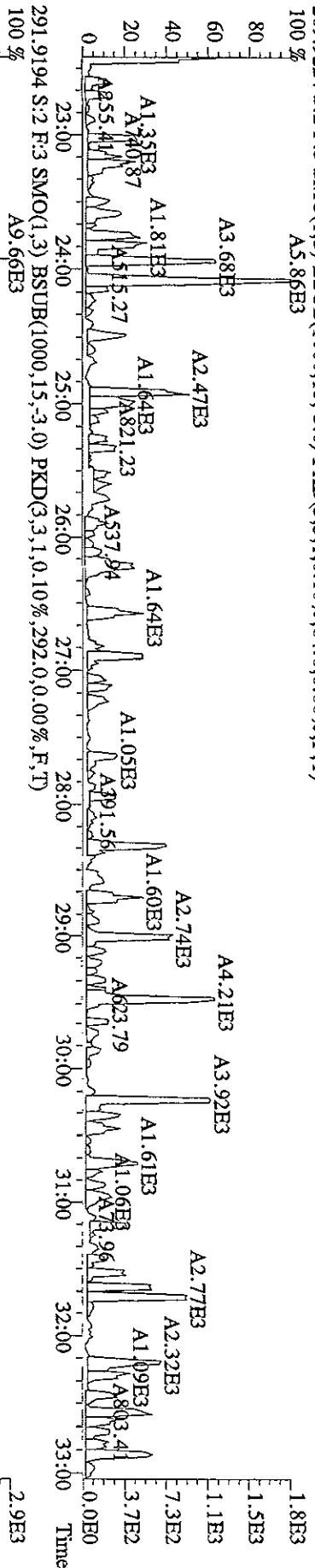
407.8398 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,284.0,0.00%,F,T)



File:17FEB09A9D5 #1-380 Acq:17-FEB-2009 18:42:55 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0217 :CS3 09DXN016 Exp:209DB5  
 495.6856 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,268.0,0.00%,F,T)  
 100 %



File:17FE09A9D5 #1-599 Acq:17-FEB-2009 19:34:13 GC EI+ Voltage SIR Autospec-UltimaH  
 Sample#2 Text:SB0217 :Solvent Blank C-12 Exp:209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,84,0,0,00%,F,T)  
 100% A5.86E3





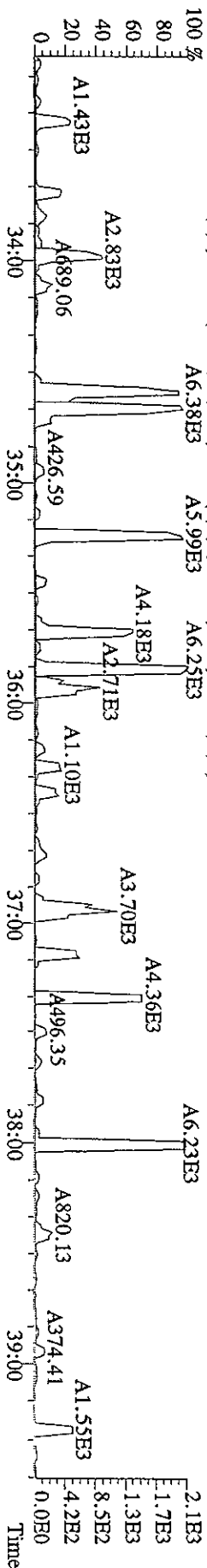


File:17HE09A9D5 #1-393 Acq:17-HEB-2009 19:34:13 GC EI+ Voltage SIR Autospec-UltimaE

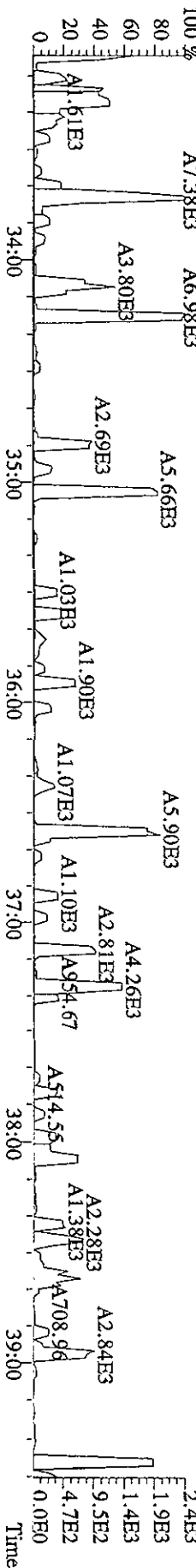
Sample#2 Text:SB0217 :Solvent Blank C-12 Exp:209DB5

439.8038 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,12,0,0,00%,F,T)

100% A6.23E3 A5.99E3 A6.28E3



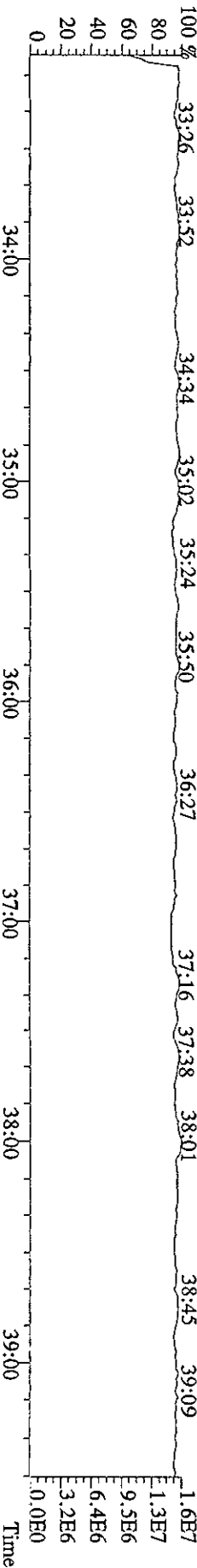
441.8008 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,28,0,0,00%,F,T)



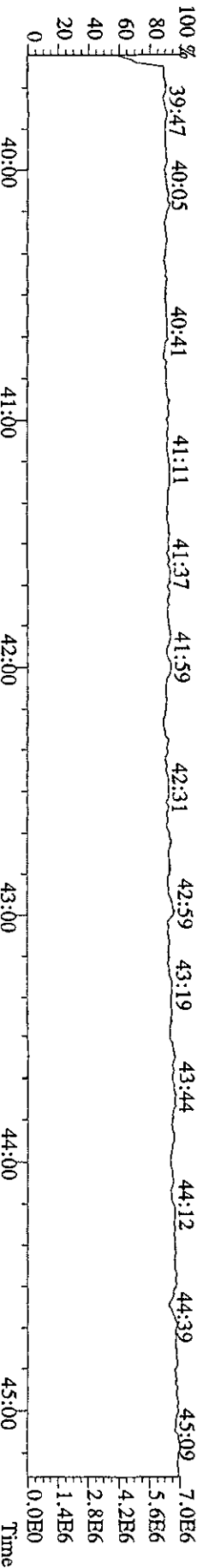
380.9760 S:2 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



380.9760 S:2 F:4 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)

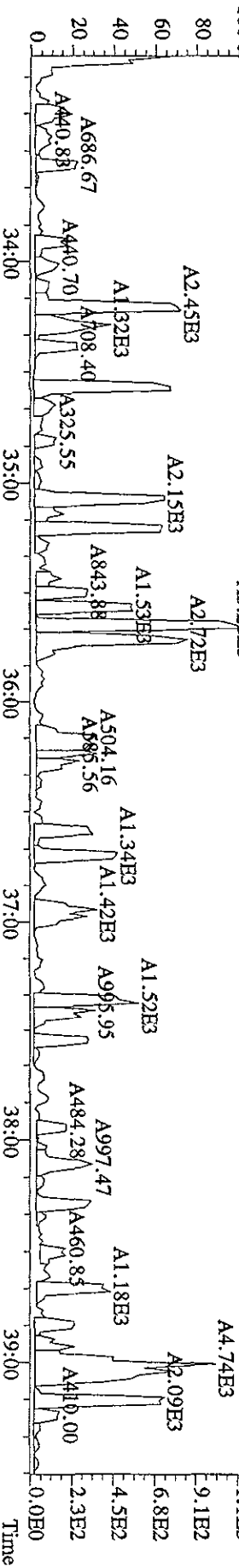
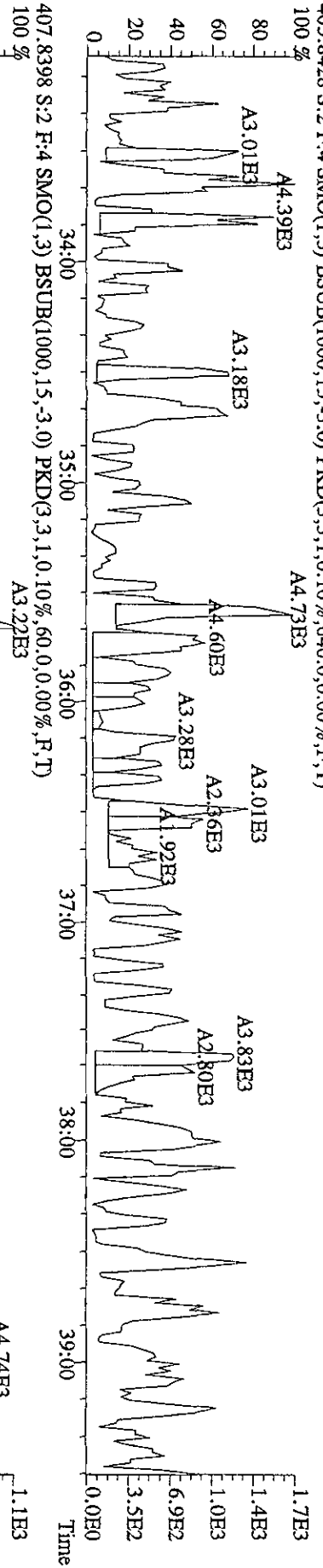
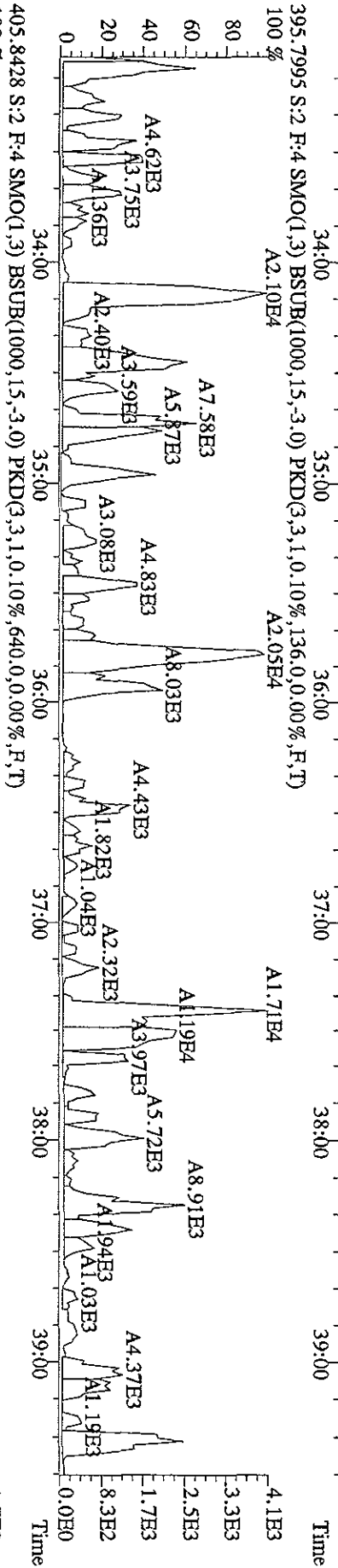
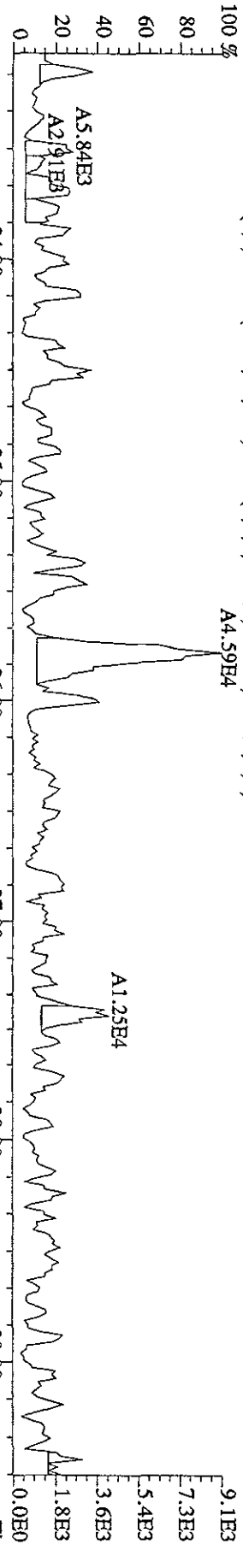


480.9696 S:2 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)

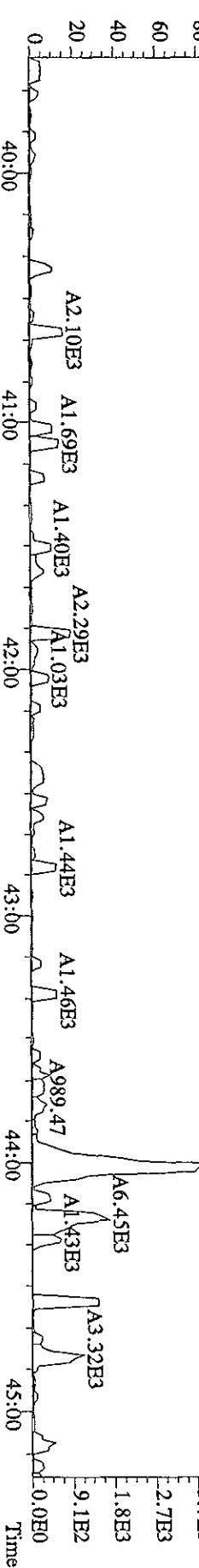
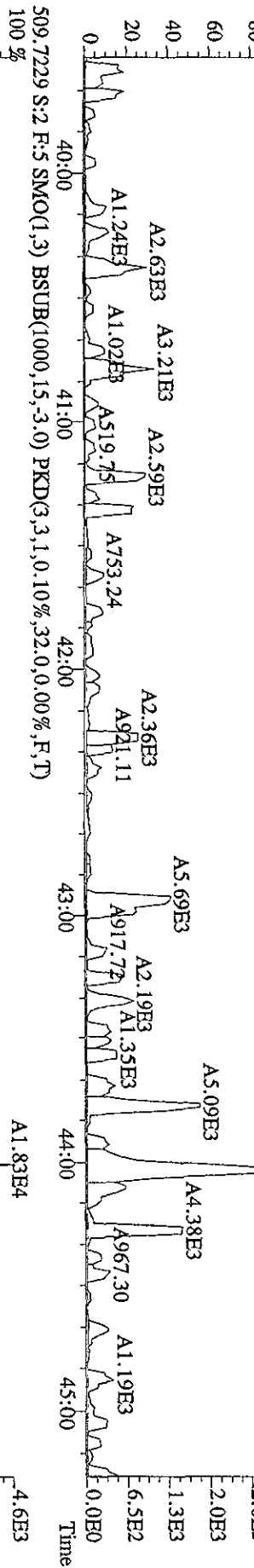
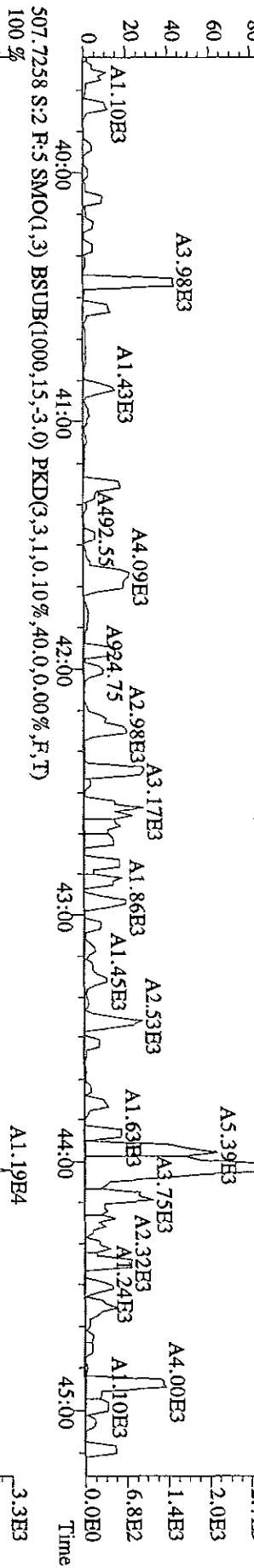
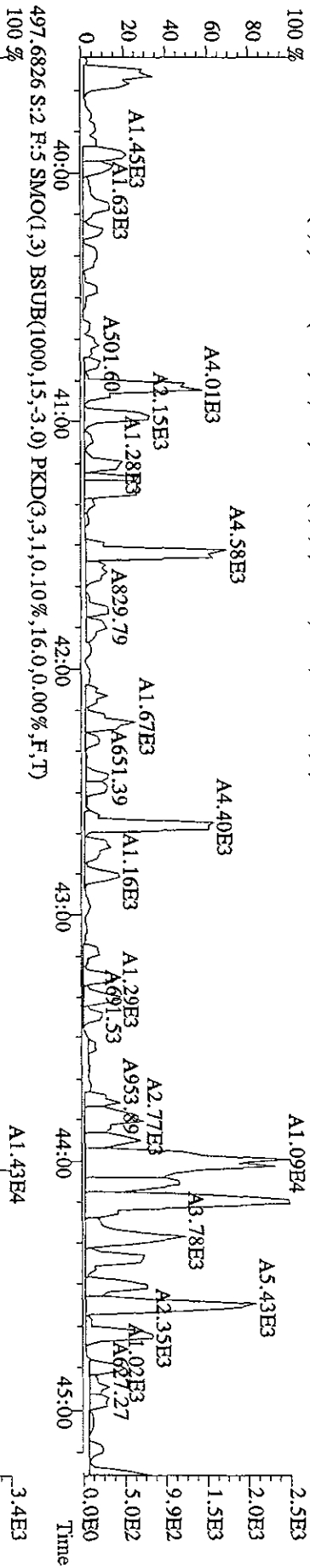




File:17FE09A9D5 #1-393 Acq:17-FEB-2009 19:34:13 GC:EI+ Voltage:51R Autospec-Ultimate  
 Sample#2 Text:SB0217 :Solvent Blank C-12 Exp:209DB5  
 393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1472.0,0.00%,F,T)  
 A4.59E4



File: 17FEB09A9D5 #1-381 Acq:17-FEB-2009 19:34:13 GC FI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:SB0217 :Solvent Blank C-12 Exp:209DB5  
 497.6826 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,96.0,0.00%,F,T)



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID (1668MSL, 1668MDBS, 1668MSL DEL, LEGSPCBS) 0115099D5  
 Method ID 1668M Date Scanned 4/22/09 gpa  
 Column ID DB-5 Instrument ID 905  
 STD ID's ST0115(A-D) STD Solution OPDXN (014-08)  
 GC Program 209DB5 Multiplier Setting 404  
 Analyzed By AM/KAS Date Analyzed 1/15/09  
 Prepared By KAS Date Prepared 1/16/09  
 Reviewed By M.G. Date Reviewed 1/19/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for natives and ±40% for labeled compounds; S/N ≥ 2.5  
 1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 2.5

Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54



13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DecB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DECB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PecB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

Run #1 Filename 15JA09D9D5 S: 1 I: 1  
 Acquired: 15-JAN-09 20:25:19 Processed: 16-JAN-09 15:15:27  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115 :CS1 09DXN014

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	199610800	0.65 y	25:23	-	100.00	n
13C-TCB-81	185693700	0.78 y	27:00	0.9303	100.00	n
TCB-81	2422266	0.68 y	27:01	1.3044	1.00	n
13C-TCB-77	194359500	0.80 y	27:34	0.9737	100.00	n
TCB-77	1969891	0.83 y	27:35	1.0135	1.00	n
13C-PeCB-123	166450700	0.65 y	28:54	0.8339	100.00	n
PeCB-123	2551600	0.67 y	28:55	1.5329	1.00	n
13C-PeCB-118	192926200	0.65 y	29:02	0.9665	100.00	n
PeCB-118/106	2948540	0.56 y	29:03	1.5283	1.00	n
13C-PeCB-114	190199200	0.65 y	29:41	0.9528	100.00	n
PeCB-114	3091930	0.56 y	29:42	1.6256	1.00	n
13C-PeCB-105	175973900	0.66 y	30:34	0.8816	100.00	n
PeCB-105/127	2519762	0.57 y	30:35	1.4319	1.00	n
13C-PeCB-126	176574800	0.65 y	32:30	0.8846	100.00	n
PeCB-126	2054057	0.56 y	32:31	1.1633	1.00	n
13C-OcCB-202	212477100	0.87 y	34:43	-	100.00	n
13C-HxCB-167	170138000	1.26 y	33:36	0.8007	100.00	n
HxCB-167	1881460	1.19 y	33:37	1.1058	1.00	y
13C-HxCB-156	134149800	1.28 y	34:53	0.6314	100.00	n
HxCB-156	1989175	1.35 y	34:54	1.4828	1.00	y
13C-HxCB-157	143553000	1.26 y	35:12	0.6756	100.00	n
HxCB-157	2106500	1.23 y	35:13	1.4674	1.00	n
13C-HxCB-169	146322800	1.26 y	37:05	0.6887	100.00	n
HxCB-169	1350130	1.32 y	37:06	0.9227	1.00	n
13C-HpCB-180	124212300	1.03 y	35:49	0.5846	100.00	n
HpCB-180	1524803	1.00 y	35:50	1.2276	1.00	n
13C-HpCB-170	97418600	1.05 y	37:29	0.4585	100.00	n
HpCB-170/190	1658961	1.09 y	37:30	1.7029	1.00	n
13C-HpCB-189	123177500	1.04 y	39:07	0.5797	100.00	n
HpCB-189	1353507	1.09 y	39:08	1.0988	1.00	n
13C-DeCB-209	93890300	0.73 y	44:04	0.4419	100.00	n
DECB-209	1476592	0.79 y	44:05	1.5727	1.00	n
13C-PeCB-111	251775800	0.65 y	26:50	1.3881	100.00	n

Run #2 Filename 15JA09D9D5 S: 2 I: 1  
 Acquired: 15-JAN-09 21:16:36 Processed: 16-JAN-09 15:15:28  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115A :CS2 09DXN015

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	260995000	0.65 y	25:23	-	100.00	n
13C-TCB-81	249140000	0.78 y	26:59	0.9546	100.00	n
TCB-81	16061260	0.76 y	27:00	1.2893	5.00	n
13C-TCB-77	264238000	0.77 y	27:34	1.0124	100.00	n
TCB-77	14325810	0.78 y	27:35	1.0843	5.00	n
13C-PeCB-123	234556000	0.65 y	28:54	0.8987	100.00	n
PeCB-123	18341690	0.59 y	28:55	1.5639	5.00	n
13C-PeCB-118	256914000	0.65 y	29:03	0.9844	100.00	n
PeCB-118/106	20151520	0.57 y	29:04	1.5687	5.00	n
13C-PeCB-114	250979200	0.66 y	29:41	0.9616	100.00	n
PeCB-114	20878680	0.58 y	29:42	1.6638	5.00	n
13C-PeCB-105	236551000	0.66 y	30:35	0.9063	100.00	n
PeCB-105/127	17595610	0.59 y	30:36	1.4877	5.00	n
13C-PeCB-126	248209700	0.65 y	32:31	0.9510	100.00	n
PeCB-126	14246760	0.58 y	32:32	1.1480	5.00	n
13C-OcCB-202	281047000	0.88 y	34:44	-	100.00	n
13C-HxCB-167	239554000	1.25 y	33:35	0.8524	100.00	n
HxCB-167	14283760	1.30 y	33:36	1.1925	5.00	y
13C-HxCB-156	191560200	1.29 y	34:54	0.6816	100.00	n
HxCB-156	14097740	1.24 y	34:55	1.4719	5.00	n
13C-HxCB-157	203989500	1.25 y	35:13	0.7258	100.00	n
HxCB-157	14921860	1.23 y	35:14	1.4630	5.00	n
13C-HxCB-169	217321000	1.26 y	37:06	0.7733	100.00	n
HxCB-169	10658530	1.26 y	37:07	0.9809	5.00	n
13C-HpCB-180	164976900	1.05 y	35:50	0.5870	100.00	n
HpCB-180	11114430	1.12 y	35:51	1.3474	5.00	n
13C-HpCB-170	134170200	1.07 y	37:29	0.4774	100.00	n
HpCB-170/190	11010430	1.08 y	37:30	1.6413	5.00	n
13C-HpCB-189	176083100	1.06 y	39:08	0.6265	100.00	n
HpCB-189	10942400	1.12 y	39:09	1.2429	5.00	n
13C-DeCB-209	137327200	0.71 y	44:04	0.4886	100.00	n
DECB-209	10345550	0.68 y	44:04	1.5067	5.00	n
13C-PeCB-111	340992000	0.65 y	26:51	1.3932	100.00	n

Run #3 Filename 15JA09D9D5 S: 3 I: 1  
 Acquired: 15-JAN-09 22:07:59 Processed: 16-JAN-09 15:15:28  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115B :CS3 09DXN016

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	247603800	0.65 y	25:22	-	100.00	n
13C-TCB-81	233777000	0.77 y	26:59	0.9442	100.00	n
TCB-81	149921700	0.75 y	27:00	1.2826	50.00	n
13C-TCB-77	238978000	0.76 y	27:33	0.9652	100.00	n
TCB-77	138181800	0.73 y	27:34	1.1564	50.00	n
13C-PeCB-123	215123600	0.65 y	28:53	0.8688	100.00	n
PeCB-123	162536900	0.59 y	28:54	1.5111	50.00	n
13C-PeCB-118	245223200	0.66 y	29:02	0.9904	100.00	n
PeCB-118/106	190014200	0.59 y	29:03	1.5497	50.00	n
13C-PeCB-114	238819200	0.65 y	29:41	0.9645	100.00	n
PeCB-114	188844900	0.59 y	29:42	1.5815	50.00	n
13C-PeCB-105	218554600	0.65 y	30:34	0.8827	100.00	n
PeCB-105/127	155882200	0.59 y	30:35	1.4265	50.00	n
13C-PeCB-126	216706200	0.65 y	32:30	0.8752	100.00	n
PeCB-126	130429700	0.59 y	32:31	1.2037	50.00	n
13C-OcCB-202	255723000	0.85 y	34:43	-	100.00	n
13C-HxCB-167	215596800	1.26 y	33:35	0.8431	100.00	n
HxCB-167	124009600	1.25 y	33:36	1.1504	50.00	n
13C-HxCB-156	170578000	1.29 y	34:53	0.6670	100.00	n
HxCB-156	124140900	1.27 y	34:54	1.4555	50.00	n
13C-HxCB-157	180842200	1.26 y	35:12	0.7072	100.00	n
HxCB-157	131350200	1.29 y	35:13	1.4526	50.00	n
13C-HxCB-169	185144100	1.26 y	37:05	0.7240	100.00	n
HxCB-169	93867200	1.26 y	37:06	1.0140	50.00	n
13C-HpCB-180	150765500	1.05 y	35:49	0.5896	100.00	n
HpCB-180	95947800	1.12 y	35:50	1.2728	50.00	n
13C-HpCB-170	122011600	1.05 y	37:28	0.4771	100.00	n
HpCB-170/190	96760500	1.10 y	37:29	1.5861	50.00	n
13C-HpCB-189	148558600	1.05 y	39:07	0.5809	100.00	n
HpCB-189	92642400	1.10 y	39:09	1.2472	50.00	n
13C-DeCB-209	113795700	0.72 y	44:04	0.4450	100.00	n
DECB-209	85226100	0.70 y	44:05	1.4979	50.00	n
13C-PeCB-111	311176000	0.65 y	26:50	1.3563	100.00	n

Run #4 Filename 15JA09D9D5 S: 4 I: 1  
 Acquired: 15-JAN-09 22:59:23 Processed: 16-JAN-09 15:15:29  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115C :CS4 09DXN017

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	244688200	0.65 y	25:22	-	100.00	n
13C-TCB-81	225028900	0.77 y	26:58	0.9197	100.00	n
TCB-81	563034000	0.76 y	27:00	1.2510	200.00	n
13C-TCB-77	234441000	0.79 y	27:33	0.9581	100.00	n
TCB-77	517095000	0.76 y	27:34	1.1028	200.00	n
13C-PeCB-123	206159900	0.64 y	28:53	0.8425	100.00	n
PeCB-123	604243000	0.59 y	28:54	1.4655	200.00	n
13C-PeCB-118	235957000	0.65 y	29:02	0.9643	100.00	n
PeCB-118/106	706242000	0.60 y	29:03	1.4965	200.00	n
13C-PeCB-114	228278000	0.65 y	29:41	0.9329	100.00	n
PeCB-114	695511000	0.59 y	29:42	1.5234	200.00	n
13C-PeCB-105	213978600	0.66 y	30:34	0.8745	100.00	n
PeCB-105/127	588578000	0.59 y	30:35	1.3753	200.00	n
13C-PeCB-126	209532200	0.65 y	32:30	0.8563	100.00	n
PeCB-126	485179000	0.60 y	32:31	1.1578	200.00	n
13C-OcCB-202	249730000	0.88 y	34:43	-	100.00	n
13C-HxCB-167	202489900	1.26 y	33:35	0.8108	100.00	n
HxCB-167	514368000	1.27 y	33:36	1.2701	200.00	y
13C-HxCB-156	161737900	1.28 y	34:53	0.6477	100.00	n
HxCB-156	462927000	1.27 y	34:54	1.4311	200.00	n
13C-HxCB-157	166710400	1.24 y	35:12	0.6676	100.00	n
HxCB-157	478186000	1.28 y	35:13	1.4342	200.00	n
13C-HxCB-169	164652600	1.25 y	37:05	0.6593	100.00	n
HxCB-169	333850000	1.27 y	37:06	1.0138	200.00	n
13C-HpCB-180	138296100	1.06 y	35:49	0.5538	100.00	n
HpCB-180	345005000	1.10 y	35:50	1.2473	200.00	n
13C-HpCB-170	113146600	1.05 y	37:28	0.4531	100.00	n
HpCB-170/190	352545000	1.09 y	37:29	1.5579	200.00	n
13C-HpCB-189	136856900	1.04 y	39:07	0.5480	100.00	n
HpCB-189	333672000	1.09 y	39:08	1.2191	200.00	n
13C-DeCB-209	103579600	0.73 y	44:04	0.4148	100.00	n
DECB-209	300002000	0.69 y	44:05	1.4482	200.00	n
13C-PeCB-111	303933000	0.65 y	26:50	1.3747	100.00	n

Run #5 Filename 15JA09D9D5 S: 5 I: 1  
 Acquired: 15-JAN-09 23:50:45 Processed: 16-JAN-09 15:15:30  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115D :CS5 09DXN018

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	269657000	0.66 y	25:22	-	100.00	n
13C-TCB-81	266360000	0.78 y	26:58	0.9878	100.00	n
TCB-81	1683380000	0.75 y	26:59	1.2640	500.00	n
13C-TCB-77	270360000	0.78 y	27:32	1.0026	100.00	n
TCB-77	1568248000	0.76 y	27:34	1.1601	500.00	n
13C-PeCB-123	246305200	0.67 y	28:52	0.9134	100.00	n
PeCB-123	1812283000	0.59 y	28:53	1.4716	500.00	n
13C-PeCB-118	274268000	0.66 y	29:01	1.0171	100.00	n
PeCB-118/106	2052633000	0.60 y	29:02	1.4968	500.00	n
13C-PeCB-114	274985000	0.66 y	29:40	1.0198	100.00	n
PeCB-114	2107813000	0.59 y	29:41	1.5330	500.00	n
13C-PeCB-105	253776000	0.66 y	30:33	0.9411	100.00	n
PeCB-105/127	1763571000	0.59 y	30:34	1.3899	500.00	n
13C-PeCB-126	267077000	0.65 y	32:28	0.9904	100.00	n
PeCB-126	1593533000	0.59 y	32:30	1.1933	500.00	n
13C-OcCB-202	287841000	0.87 y	34:42	-	100.00	n
13C-HxCB-167	259291000	1.26 y	33:33	0.9008	100.00	n
HxCB-167	1459083000	1.28 y	33:34	1.1254	500.00	y
13C-HxCB-156	208239300	1.29 y	34:52	0.7235	100.00	n
HxCB-156	1478482000	1.28 y	34:53	1.4200	500.00	n
13C-HxCB-157	218180700	1.26 y	35:11	0.7590	100.00	n
HxCB-157	1543594000	1.27 y	35:12	1.4150	500.00	n
13C-HxCB-169	236681000	1.26 y	37:03	0.8223	100.00	n
HxCB-169	1200567000	1.27 y	37:04	1.0145	500.00	n
13C-HpCB-180	175051700	1.04 y	35:48	0.6082	100.00	n
HpCB-180	1077386000	1.09 y	35:49	1.2309	500.00	n
13C-HpCB-170	145642800	1.05 y	37:28	0.5060	100.00	n
HpCB-170/190	1124352000	1.08 y	37:29	1.5440	500.00	n
13C-HpCB-189	189236300	1.05 y	39:06	0.6574	100.00	n
HpCB-189	1158078000	1.09 y	39:07	1.2239	500.00	n
13C-DeCB-209	146952700	0.73 y	44:04	0.5105	100.00	n
DECB-209	1100843000	0.70 y	44:04	1.4982	500.00	n
13C-PeCB-111	333490000	0.65 y	26:50	1.2712	100.00	n

Run: 1668MSL01157 Analyte: 1668MSL Cal: 1668MSL0115099DS

ST0115 : CS1 09DXN014 ST0115A : CS2 09DXN015 ST0115B : CS3 09DXN016  
 ST0115C : CS4 09DXN017 ST0115D : CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-PeCB-111	1.362	0.054	3.98 %	1.40	1.39	1.37	1.39	1.27



Run #1 Filename 15JA09D9D5 S: 1 I: 1  
 Acquired: 15-JAN-09 20:25:19 Processed: 16-JAN-09 15:08:40  
 Run: 1668MSL0115 Analyte: 1668MSL Cal: 1668MSL0115099D5  
 Comments:

Sample text: ST0115 :CS1 09DXN014

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	199610800	0.65 y	25:23	-	100.00 n
13C-TCB-81	185693700	0.78 y	27:00	0.9303	100.00 n
TCB-81	2422266	0.68 y	27:01	1.3044	1.00 n
13C-TCB-77	194359500	0.80 y	27:34	0.9737	100.00 n
TCB-77	1969891	0.83 y	27:35	1.0135	1.00 n
13C-PeCB-123	166450700	0.65 y	28:54	0.8339	100.00 n
PeCB-123	2551600	0.67 y	28:55	1.5329	1.00 n
13C-PeCB-118	192926200	0.65 y	29:02	0.9665	100.00 n
PeCB-118/106	2948540	0.56 y	29:03	1.5283	1.00 n
13C-PeCB-114	190199200	0.65 y	29:41	0.9528	100.00 n
PeCB-114	3091930	0.56 y	29:42	1.6256	1.00 n
13C-PeCB-105	175973900	0.66 y	30:34	0.8816	100.00 n
PeCB-105/127	2519762	0.57 y	30:35	1.4319	1.00 n
13C-PeCB-126	176574800	0.65 y	32:30	0.8846	100.00 n
PeCB-126	2054057	0.56 y	32:31	1.1633	1.00 n
13C-OcCB-202	212477100	0.87 y	34:43	-	100.00 n
13C-HxCB-167	170138000	1.26 y	33:36	0.8007	100.00 n
HxCB-167	1881460	1.19 y	33:37	1.1058	1.00 y
13C-HxCB-156	134149800	1.28 y	34:53	0.6314	100.00 n
HxCB-156	1989175	1.35 y	34:54	1.4828	1.00 y
13C-HxCB-157	143553000	1.26 y	35:12	0.6756	100.00 n
HxCB-157	2106500	1.23 y	35:13	1.4674	1.00 n
13C-HxCB-169	146322800	1.26 y	37:05	0.6887	100.00 n
HxCB-169	1350130	1.32 y	37:06	0.9227	1.00 n
13C-HpCB-180	124212300	1.03 y	35:49	0.5846	100.00 n
HpCB-180	1524803	1.00 y	35:50	1.2276	1.00 n
13C-HpCB-170	97418600	1.05 y	37:29	0.4585	100.00 n
HpCB-170/190	1658961	1.09 y	37:30	1.7029	1.00 n
13C-HpCB-189	123177500	1.04 y	39:07	0.5797	100.00 n
HpCB-189	1353507	1.09 y	39:08	1.0988	1.00 n
13C-PeCB-111	251775800	0.65 y	26:50	1.3955	100.00 n

Run #2    Filename 15JA09D9D5    S: 2    I: 1  
 Acquired: 15-JAN-09    21:16:36    Processed: 16-JAN-09    15:08:40  
 Run: 1668MSL01157 Analyte: 1668MSL    Cal: 1668MSL0115099D5

Comments:

Sample text: ST0115A :CS2 09DXN015

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	260995000	0.65 y	25:23	-	100.00 n
13C-TCB-81	249140000	0.78 y	26:59	0.9546	100.00 n
TCB-81	16061260	0.76 y	27:00	1.2893	5.00 n
13C-TCB-77	264238000	0.77 y	27:34	1.0124	100.00 n
TCB-77	14325810	0.78 y	27:35	1.0843	5.00 n
13C-PeCB-123	234556000	0.65 y	28:54	0.8987	100.00 n
PeCB-123	18341690	0.59 y	28:55	1.5639	5.00 n
13C-PeCB-118	256914000	0.65 y	29:03	0.9844	100.00 n
PeCB-118/106	20151520	0.57 y	29:04	1.5687	5.00 n
13C-PeCB-114	250979200	0.66 y	29:41	0.9616	100.00 n
PeCB-114	20878680	0.58 y	29:42	1.6638	5.00 n
13C-PeCB-105	236551000	0.66 y	30:35	0.9063	100.00 n
PeCB-105/127	17595610	0.59 y	30:36	1.4877	5.00 n
13C-PeCB-126	248209700	0.65 y	32:31	0.9510	100.00 n
PeCB-126	14246760	0.58 y	32:32	1.1480	5.00 n
13C-OcCB-202	281047000	0.88 y	34:44	-	100.00 n
13C-HxCB-167	239554000	1.25 y	33:35	0.8524	100.00 n
HxCB-167	14283760	1.30 y	33:36	1.1925	5.00 y
13C-HxCB-156	191560200	1.29 y	34:54	0.6816	100.00 n
HxCB-156	14097740	1.24 y	34:55	1.4719	5.00 n
13C-HxCB-157	203989500	1.25 y	35:13	0.7258	100.00 n
HxCB-157	14921860	1.23 y	35:14	1.4630	5.00 n
13C-HxCB-169	217321000	1.26 y	37:06	0.7733	100.00 n
HxCB-169	10658530	1.26 y	37:07	0.9809	5.00 n
13C-HpCB-180	164976900	1.05 y	35:50	0.5870	100.00 n
HpCB-180	11114430	1.12 y	35:51	1.3474	5.00 n
13C-HpCB-170	134170200	1.07 y	37:29	0.4774	100.00 n
HpCB-170/190	11010430	1.08 y	37:30	1.6413	5.00 n
13C-HpCB-189	176083100	1.06 y	39:08	0.6265	100.00 n
HpCB-189	10942400	1.12 y	39:09	1.2429	5.00 n
13C-PeCB-111	340992000	0.65 y	26:51	1.3893	100.00 n

Run #3 Filename 15JAO9D9D5 S: 3 I: 1  
 Acquired: 15-JAN-09 22:07:59 Processed: 16-JAN-09 15:08:41  
 Run: 1668MSL0115 Analyte: 1668MSL Cal: 1668MSL0115099D5  
 Comments:

Sample text: ST0115B :CS3 09DXN016

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	247603800	0.65 y	25:22	-	100.00	n
13C-TCB-81	233777000	0.77 y	26:59	0.9442	100.00	n
TCB-81	149921700	0.75 y	27:00	1.2826	50.00	n
13C-TCB-77	238978000	0.76 y	27:33	0.9652	100.00	n
TCB-77	138181800	0.73 y	27:34	1.1564	50.00	n
13C-PeCB-123	215123600	0.65 y	28:53	0.8688	100.00	n
PeCB-123	162536900	0.59 y	28:54	1.5111	50.00	n
13C-PeCB-118	245223200	0.66 y	29:02	0.9904	100.00	n
PeCB-118/106	190014200	0.59 y	29:03	1.5497	50.00	n
13C-PeCB-114	238819200	0.65 y	29:41	0.9645	100.00	n
PeCB-114	188844900	0.59 y	29:42	1.5815	50.00	n
13C-PeCB-105	218554600	0.65 y	30:34	0.8827	100.00	n
PeCB-105/127	155882200	0.59 y	30:35	1.4265	50.00	n
13C-PeCB-126	216706200	0.65 y	32:30	0.8752	100.00	n
PeCB-126	130429700	0.59 y	32:31	1.2037	50.00	n
13C-OcCB-202	255723000	0.85 y	34:43	-	100.00	n
13C-HxCB-167	215596800	1.26 y	33:35	0.8431	100.00	n
HxCB-167	124009600	1.25 y	33:36	1.1504	50.00	n
13C-HxCB-156	170578000	1.29 y	34:53	0.6670	100.00	n
HxCB-156	124140900	1.27 y	34:54	1.4555	50.00	n
13C-HxCB-157	180842200	1.26 y	35:12	0.7072	100.00	n
HxCB-157	131350200	1.29 y	35:13	1.4526	50.00	n
13C-HxCB-169	185144100	1.26 y	37:05	0.7240	100.00	n
HxCB-169	93867200	1.26 y	37:06	1.0140	50.00	n
13C-HpCB-180	150765500	1.05 y	35:49	0.5896	100.00	n
HpCB-180	95947800	1.12 y	35:50	1.2728	50.00	n
13C-HpCB-170	122011600	1.05 y	37:28	0.4771	100.00	n
HpCB-170/190	96760500	1.10 y	37:29	1.5861	50.00	n
13C-HpCB-189	148558600	1.05 y	39:07	0.5809	100.00	n
HpCB-189	92642400	1.10 y	39:09	1.2472	50.00	n
13C-PeCB-111	311176000	0.65 y	26:50	1.3715	100.00	n

Run #4    Filename 15JA09D9D5    S: 4    I: 1  
 Acquired: 15-JAN-09    22:59:23    Processed: 16-JAN-09    15:08:42  
 Run: 1668MSL01157 Analyte: 1668MSL    Cal: 1668MSL0115099D5

Comments:

Sample text: ST0115C :CS4 09DXN017

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	244688200	0.65 y	25:22	-	100.00	n
13C-TCB-81	225028900	0.77 y	26:58	0.9197	100.00	n
TCB-81	563034000	0.76 y	27:00	1.2510	200.00	n
13C-TCB-77	234441000	0.79 y	27:33	0.9581	100.00	n
TCB-77	517095000	0.76 y	27:34	1.1028	200.00	n
13C-PeCB-123	206159900	0.64 y	28:53	0.8425	100.00	n
PeCB-123	604243000	0.59 y	28:54	1.4655	200.00	n
13C-PeCB-118	235957000	0.65 y	29:02	0.9643	100.00	n
PeCB-118/106	706242000	0.60 y	29:03	1.4965	200.00	n
13C-PeCB-114	228278000	0.65 y	29:41	0.9329	100.00	n
PeCB-114	695511000	0.59 y	29:42	1.5234	200.00	n
13C-PeCB-105	213978600	0.66 y	30:34	0.8745	100.00	n
PeCB-105/127	588578000	0.59 y	30:35	1.3753	200.00	n
13C-PeCB-126	209532200	0.65 y	32:30	0.8563	100.00	n
PeCB-126	485179000	0.60 y	32:31	1.1578	200.00	n
13C-OcCB-202	249730000	0.88 y	34:43	-	100.00	n
13C-HxCB-167	202489900	1.26 y	33:35	0.8108	100.00	n
HxCB-167	514368000	1.27 y	33:36	1.2701	200.00	y
13C-HxCB-156	161737900	1.28 y	34:53	0.6477	100.00	n
HxCB-156	462927000	1.27 y	34:54	1.4311	200.00	n
13C-HxCB-157	166710400	1.24 y	35:12	0.6676	100.00	n
HxCB-157	478186000	1.28 y	35:13	1.4342	200.00	n
13C-HxCB-169	164652600	1.25 y	37:05	0.6593	100.00	n
HxCB-169	333850000	1.27 y	37:06	1.0138	200.00	n
13C-HpCB-180	138296100	1.06 y	35:49	0.5538	100.00	n
HpCB-180	345005000	1.10 y	35:50	1.2473	200.00	n
13C-HpCB-170	113146600	1.05 y	37:28	0.4531	100.00	n
HpCB-170/190	352545000	1.09 y	37:29	1.5579	200.00	n
13C-HpCB-189	136856900	1.04 y	39:07	0.5480	100.00	n
HpCB-189	333672000	1.09 y	39:08	1.2191	200.00	n
13C-PeCB-111	303933000	0.65 y	26:50	1.3892	100.00	n

Run #5 Filename 15JA09D9D5 S: 5 I: 1  
 Acquired: 15-JAN-09 23:50:45 Processed: 16-JAN-09 15:08:42  
 Run: 1668MSL0115 Analyte: 1668MSL Cal: 1668MSL0115099D5

Comments:

Sample text: ST0115D :CS5 09DXN018

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	269657000	0.66 y	25:22	-	100.00 n
13C-TCB-81	266360000	0.78 y	26:58	0.9878	100.00 n
TCB-81	1683380000	0.75 y	26:59	1.2640	500.00 n
13C-TCB-77	270360000	0.78 y	27:32	1.0026	100.00 n
TCB-77	1568248000	0.76 y	27:34	1.1601	500.00 n
13C-PeCB-123	246305200	0.67 y	28:52	0.9134	100.00 n
PeCB-123	1812283000	0.59 y	28:53	1.4716	500.00 n
13C-PeCB-118	274268000	0.66 y	29:01	1.0171	100.00 n
PeCB-118/106	2052633000	0.60 y	29:02	1.4968	500.00 n
13C-PeCB-114	274985000	0.66 y	29:40	1.0198	100.00 n
PeCB-114	2107813000	0.59 y	29:41	1.5330	500.00 n
13C-PeCB-105	253776000	0.66 y	30:33	0.9411	100.00 n
PeCB-105/127	1763571000	0.59 y	30:34	1.3899	500.00 n
13C-PeCB-126	267077000	0.65 y	32:28	0.9904	100.00 n
PeCB-126	1593533000	0.59 y	32:30	1.1933	500.00 n
13C-OcCB-202	287841000	0.87 y	34:42	-	100.00 n
13C-HxCB-167	259291000	1.26 y	33:33	0.9008	100.00 n
HxCB-167	1459083000	1.28 y	33:34	1.1254	500.00 Y
13C-HxCB-156	208239300	1.29 y	34:52	0.7235	100.00 n
HxCB-156	1478482000	1.28 y	34:53	1.4200	500.00 n
13C-HxCB-157	218180700	1.26 y	35:11	0.7580	100.00 n
HxCB-157	1543594000	1.27 y	35:12	1.4150	500.00 n
13C-HxCB-169	236681000	1.26 y	37:03	0.8223	100.00 n
HxCB-169	1200567000	1.27 y	37:04	1.0145	500.00 n
13C-HpCB-180	175051700	1.04 y	35:48	0.6082	100.00 n
HpCB-180	1077386000	1.09 y	35:49	1.2309	500.00 n
13C-HpCB-170	145642800	1.05 y	37:28	0.5060	100.00 n
HpCB-170/190	1124352000	1.08 y	37:29	1.5440	500.00 n
13C-HpCB-189	189236300	1.05 y	39:06	0.6574	100.00 n
HpCB-189	1158078000	1.09 y	39:07	1.2239	500.00 n
13C-PeCB-111	333490000	0.65 y	26:50	1.2667	100.00 n

Run: 15JA09D9D5 Analyte: USGSPCBS Cal: USGSPCBS0115099D5

ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

Name	Mean	S. D.	%RSD	15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5				
				S1	S2	S3	S4	S5
13C-MoCB-3	0.923	0.058	6.34 %	0.99	0.93	0.91	0.96	0.83
MoCB-1	-	-	- %	-	-	-	-	-
*MoCB-3	-	-	- %	-	-	-	-	-
Total MoCB	-	-	- %	-	-	-	-	-
13C-DiCB-15	1.432	0.034	2.40 %	1.44	1.40	1.40	1.48	1.45
DiCB-10/4	-	-	- %	-	-	-	-	-
DiCB-8/5	1.103	0.055	4.98 %	1.15	1.15	1.13	1.05	1.03
*DiCB-15	1.592	0.042	2.66 %	1.60	1.59	1.66	1.55	1.56
Total DiCB	-	-	- %	-	-	-	-	-
13C-TrCB-28	1.080	0.026	2.36 %	1.07	1.09	1.09	1.04	1.11
TrCB-30	-	-	- %	-	-	-	-	-
TrCB-18	1.420	0.060	4.25 %	1.44	1.41	1.36	1.51	1.37
Total F1 TrCB	-	-	- %	-	-	-	-	-
*TrCB-31	1.110	0.028	2.56 %	1.07	1.10	1.11	1.15	1.11
*TrCB-28	1.285	0.108	8.43 %	1.42	1.36	1.29	1.20	1.16
TrCB-37	-	-	- %	-	-	-	-	-
Total F2 TrCB	-	-	- %	-	-	-	-	-
13C-TrCB-52	-	-	- %	-	-	-	-	-
13C-TrCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TrCB-54	-	-	- %	-	-	-	-	-
TrCB-52/73	-	-	- %	-	-	-	-	-
TrCB-47/75/48	-	-	- %	-	-	-	-	-
TrCB-44	-	-	- %	-	-	-	-	-
Total F2 TrCB	-	-	- %	-	-	-	-	-
13C-TrCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TrCB-66/80	-	-	- %	-	-	-	-	-
TrCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
TrCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
Total F3 TrCB	-	-	- %	-	-	-	-	-

13C-PeCB-101	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-PeCB-123	0.871	0.034	3.96	%	0.83	0.90	0.87	0.84	0.91										
PeCB-104	-	-	-	%	-	-	-	-	-										
Total F2 PeCB	-	-	-	%	-	-	-	-	-										
PeCB-101/89/90	-	-	-	%	-	-	-	-	-										
PeCB-123	1.509	0.042	2.75	%	1.53	1.56	1.51	1.47	1.47										
13C-PeCB-118	0.985	0.021	2.17	%	0.97	0.98	0.99	0.96	1.02										
PeCB-118/106	1.528	0.032	2.09	%	1.53	1.57	1.55	1.50	1.50										
13C-PeCB-114	0.966	0.032	3.34	%	0.95	0.96	0.96	0.93	1.02										
PeCB-114	1.585	0.060	3.78	%	1.63	1.66	1.58	1.52	1.53										
13C-PeCB-105	0.897	0.027	3.04	%	0.88	0.91	0.88	0.87	0.94										
PeCB-105/127	1.422	0.044	3.07	%	1.43	1.49	1.43	1.38	1.39										
13C-PeCB-126	0.912	0.057	6.22	%	0.88	0.95	0.88	0.86	0.99										
PeCB-126	1.173	0.024	2.05	%	1.16	1.15	1.20	1.16	1.19										
Total F3 PeCB	-	-	-	%	-	-	-	-	-										
13C-OcCB-202	-	-	-	%	-	-	-	-	-										
13C-HxCB-167	0.842	0.039	4.69	%	0.80	0.85	0.84	0.81	0.90										
HxCB-155	-	-	-	%	-	-	-	-	-										
HxCB-153	-	-	-	%	-	-	-	-	-										
HxCB-137	-	-	-	%	-	-	-	-	-										
HxCB-138/163/164	-	-	-	%	-	-	-	-	-										
Total F3 HxCB	-	-	-	%	-	-	-	-	-										
HxCB-128	-	-	-	%	-	-	-	-	-										
HxCB-167	1.140	0.099	8.65	%	1.11	1.19	1.01	1.27	1.13										
13C-HxCB-156	0.670	0.035	5.27	%	0.63	0.68	0.67	0.65	0.72										
HxCB-156	1.452	0.027	1.83	%	1.48	1.47	1.46	1.43	1.42										
13C-HxCB-157	0.707	0.037	5.24	%	0.68	0.73	0.71	0.67	0.76										
HxCB-157	1.446	0.022	1.50	%	1.47	1.46	1.45	1.43	1.41										
13C-HxCB-169	0.822	-	-	%	*	*	*	*	0.82										
HxCB-169	1.015	-	-	%	*	*	*	*	1.01										
Total F4 HxCB	-	-	-	%	-	-	-	-	-										
13C-HpCB-180	0.585	0.020	3.35	%	0.58	0.59	0.59	0.55	0.61										
HpCB-188	-	-	-	%	-	-	-	-	-										
HpCB-187/182	-	-	-	%	-	-	-	-	-										
Total F3 HpCB	-	-	-	%	-	-	-	-	-										
HpCB-180	1.265	0.049	3.90	%	1.23	1.35	1.27	1.25	1.23										
13C-HpCB-170	0.474	0.021	4.37	%	0.46	0.48	0.48	0.45	0.51										
HpCB-170/190	1.606	0.066	4.08	%	1.70	1.64	1.59	1.56	1.54										
13C-HpCB-189	0.599	0.043	7.22	%	0.58	0.63	0.58	0.55	0.66										
HpCB-189	1.206	0.061	5.08	%	1.10	1.24	1.25	1.22	1.22										

Total F4 HPCB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-OcCB-194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OcCB-202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total F4 OcCB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OcCB-195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*OcCB-194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total F5 OcCB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-NOcB-208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*NOcB-208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOcB-206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total F5 NOcB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-DecB-209	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*DecB-209	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-NOcB-1	1.951	0.204	10.5	1.77	1.88	1.85	1.96	2.29							
13C-DiCB-4	0.926	0.056	6.09	0.89	0.89	0.88	0.98	1.00							
13C-TrCB-19	1.031	0.139	13.5	0.96	0.94	0.90	1.24	1.11							
13C-TeCB-54	1.722	0.127	7.35	1.67	1.59	1.65	1.91	1.79							
13C-PeCB-111	1.417	0.069	4.88	1.47	1.41	1.44	1.46	1.30							
13C-HxCB-138	-	-	-	-	-	-	-	-							

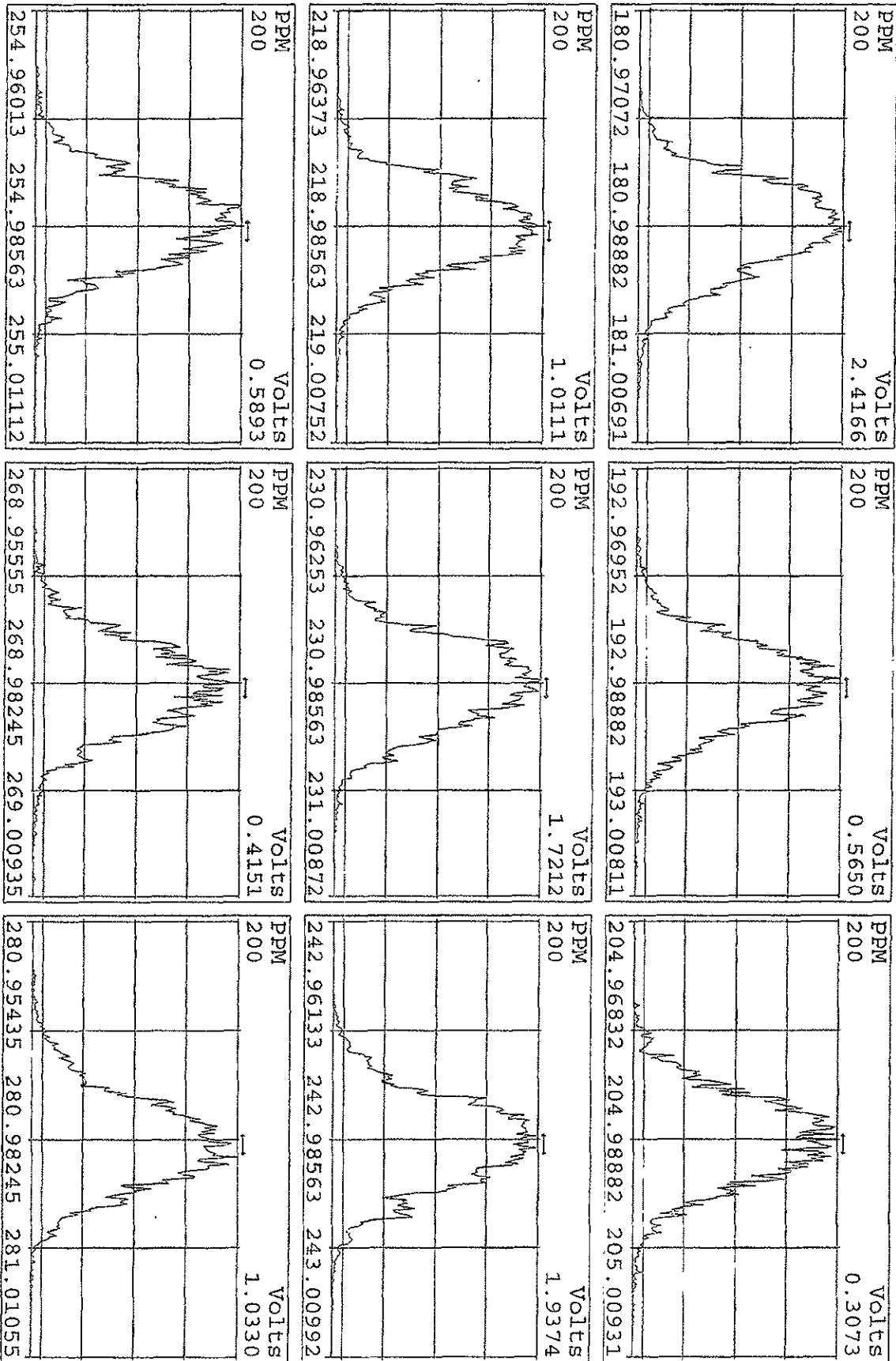


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15JA09D9D5	3	ST0115B	CS3 09DXN016				1.00000	
15JA09D9D5	4	ST0115C	CS4 09DXN017				1.00000	
15JA09D9D5	5	ST0115D	CS5 09DXN018				1.00000	
15JA09D9D5	6	SB0115	Solvent Blank C-12				1.00000	
15JA09D9D5	7	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	8	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	9	SB0115A	Solvent Blank C-12				1.00000	
15JA09D9D5	10	K5GRX-1-AC	G9A060000-171C	20	1668/WATER	51	1.00000	L
15JA09D9D5	11	QC09DXN057	Daily IS 09DXN057	20	1668	QC49	1.00000	
15JA09D9D5	12	K44WC-1-AC	G8L210000-51C	20	1668A/SOLID	42	10.00000	g
15JA09D9D5	13	K44WC-1-AA	G8L210000-51B	20	1668A/SOLID		10.00000	g
15JA09D9D5	14	K31R7-1-AA	D8L030334-1 (20X)	20	1668A/SOLID		10.19000	g
15JA09D9D5	15	K31R7-1-AD	D8L030334-1S (20X)	20	1668A/SOLID		10.01000	g
15JA09D9D5	16	SB0115B	Solvent Blank C-12				1.00000	
15JA09D9D5	17	K4047-1-AH	G8L180296-2	20	1668/SOLID	43	10.32500	g
15JA09D9D5	18	K4047-1-AH	G8L180296-2 RI	20	1668/SOLID	43	10.22500	g
15JA09D9D5	19	K4048-1-AH	G8L180296-3	20	1668/SOLID		10.35400	g
15JA09D9D5	20	K4049-1-AH	G8L180296-4	20	1668/SOLID		10.17000	g
15JA09D9D5	21	K405A-1-AH	G8L180296-5	20	1668/SOLID		10.25250	g
15JA09D9D5	22	K405E-1-AH	G8L180296-7	20	1668/SOLID		10.13000	g
15JA09D9D5	23	SB0115C	Solvent Blank C-12				1.00000	
15JA09D9D5	24	ST0115H	CS3 09DXN016				1.00000	
15JA09D9D5	25	ST0115G	209PCB 3249-47				1.00000	
15JA09D9D5	26	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	27	K4047-1-AH	G8L180296-2(10X)	20	1668/SOLID	43	10.32500	g
15JA09D9D5	28	K4048-1-AH	G8L180296-3(10X)	20	1668/SOLID		10.35400	g
15JA09D9D5	29	K4049-1-AH	G8L180296-4(10X)	20	1668/SOLID		10.17000	g
15JA09D9D5	30	K405A-1-AH	G8L180296-5(10X)	20	1668/SOLID		10.25250	g
15JA09D9D5	31	K405E-1-AH	G8L180296-7(10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	32	K405H-1-AH	G8L180296-9(10X)	20	1668/SOLID		10.15000	g
15JA09D9D5	33	K405H-1-AJ	G8L180296-9S(10X)	20	1668/SOLID		10.12000	g
15JA09D9D5	34	K405H-1-AK	G8L180296-9D(10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	35	K405K-1-AH	G8L180296-10(10X)	20	1668/SOLID		10.02000	g
15JA09D9D5	36	K4046-1-AA	G8L180296-1	20	1668/SOLID		0.98080	L
15JA09D9D5	37	K405D-1-AA	G8L180296-6	20	1668/SOLID		0.97690	L
15JA09D9D5	38	K405G-1-AA	G8L180296-8	20	1668/SOLID		0.94740	L
15JA09D9D5	39	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	40	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g
15JA09D9D5	41	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	42	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	43	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	44	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	45	K4584-1-AA	G8L22000-581MB	20	1668/SOLID		1.00000	L
15JA09D9D5	46	K4584-1-AC	G8L22000-581LCS	20	1668/SOLID		1.00000	L
15JA09D9D5	47	????????	G8L050343-1	20	1668/SOLID		10.00000	
15JA09D9D5	48	K4585-1-AA	G8L220000-582MB	20	1668A/SOLID		10.00000	g
15JA09D9D5	49	K4585-1-AC	G8L220000-582LCS	20	1668A/SOLID		10.00000	g
15JA09D9D5	50	K31R7-1-AE	D8L030334-1D (20X)	20	1668/SOLID		10.28000	g
15JA09D9D5	51	K31TA-1-AA	D8L030334-2 (20X)	20	1668/SOLID		10.08000	g
15JA09D9D5	52	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	53	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g

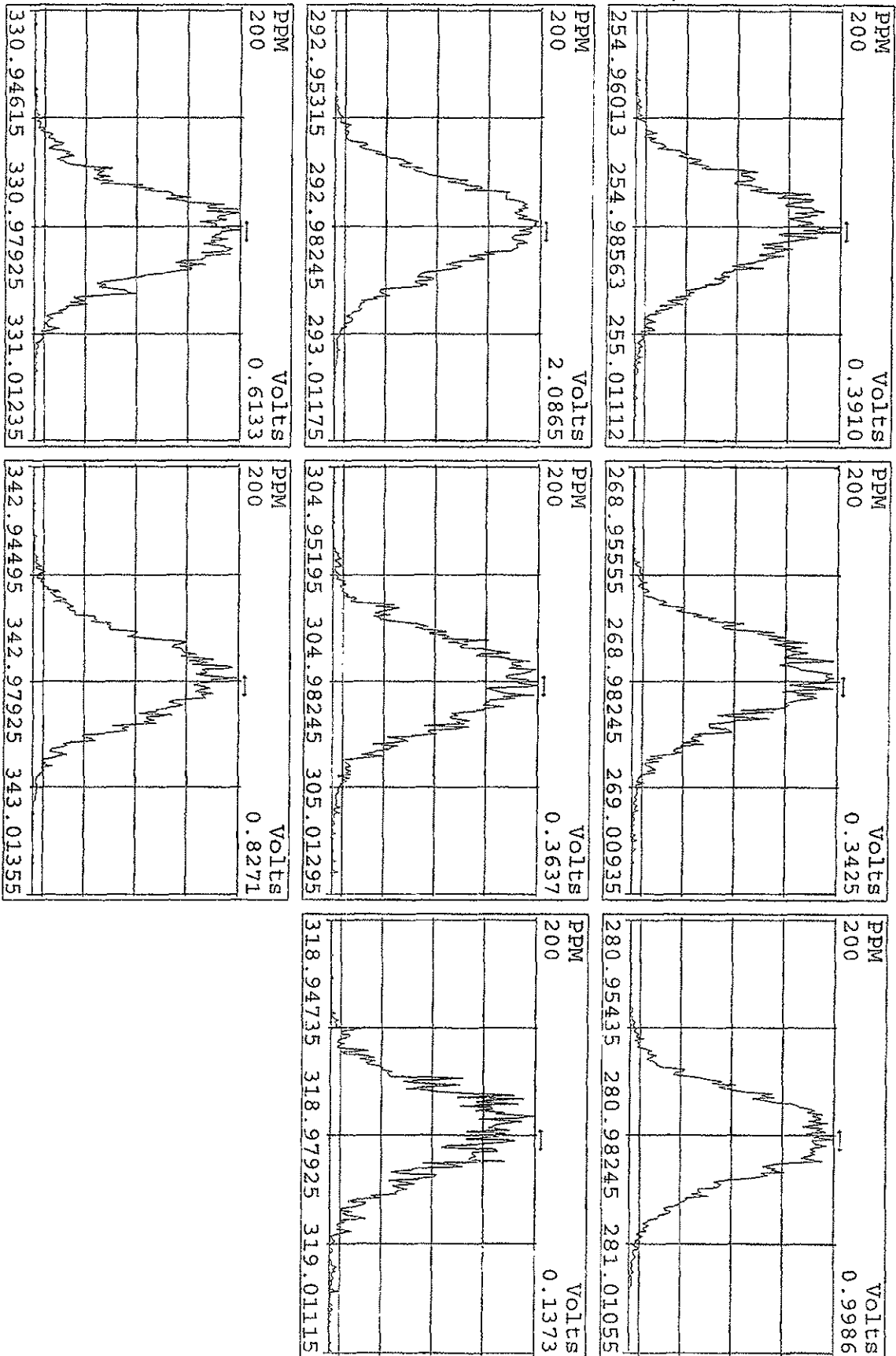
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log file checked  
i-16-09 am

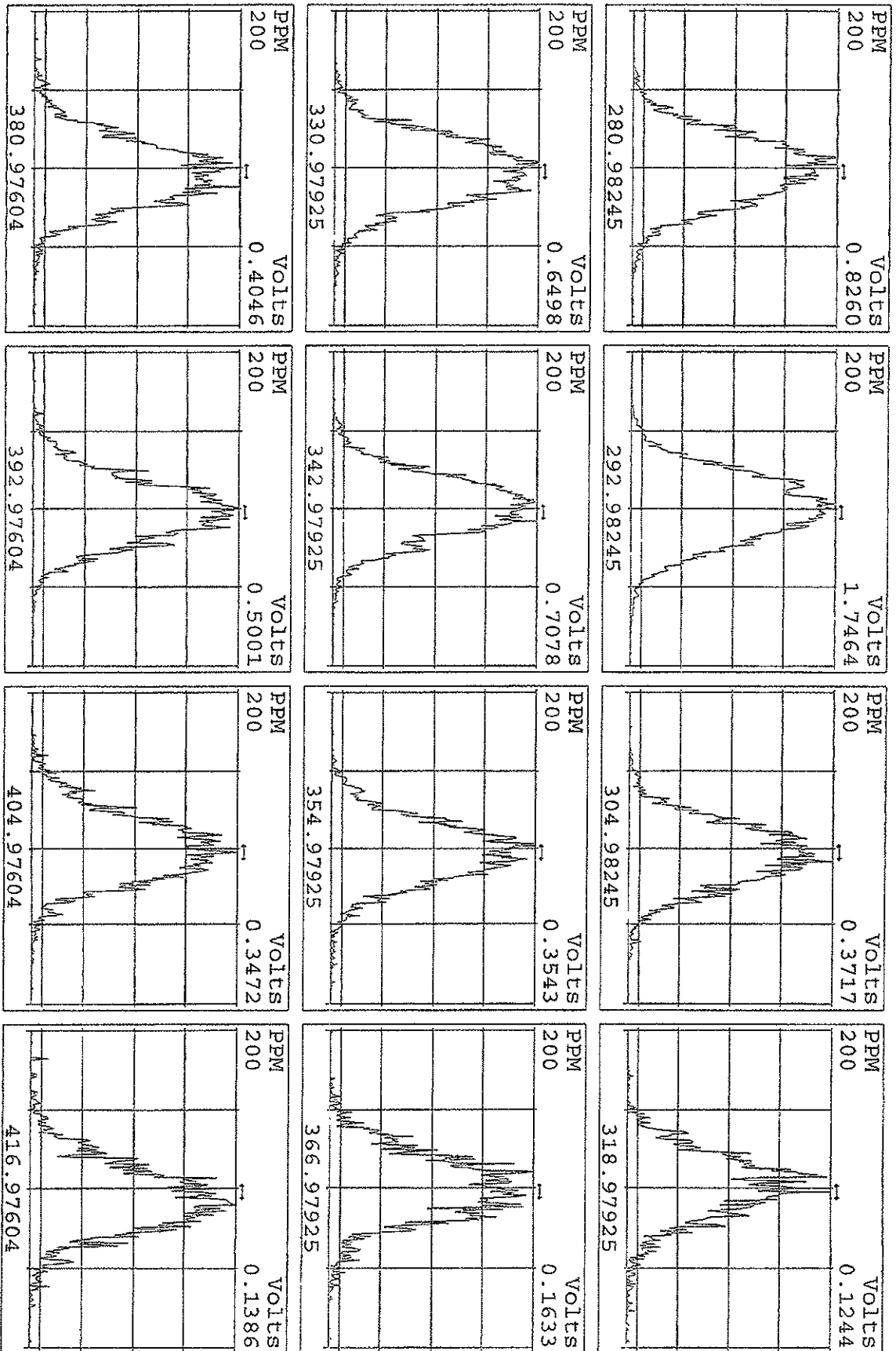
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 Experiment:209DB5 Function:1 Reference:PFK



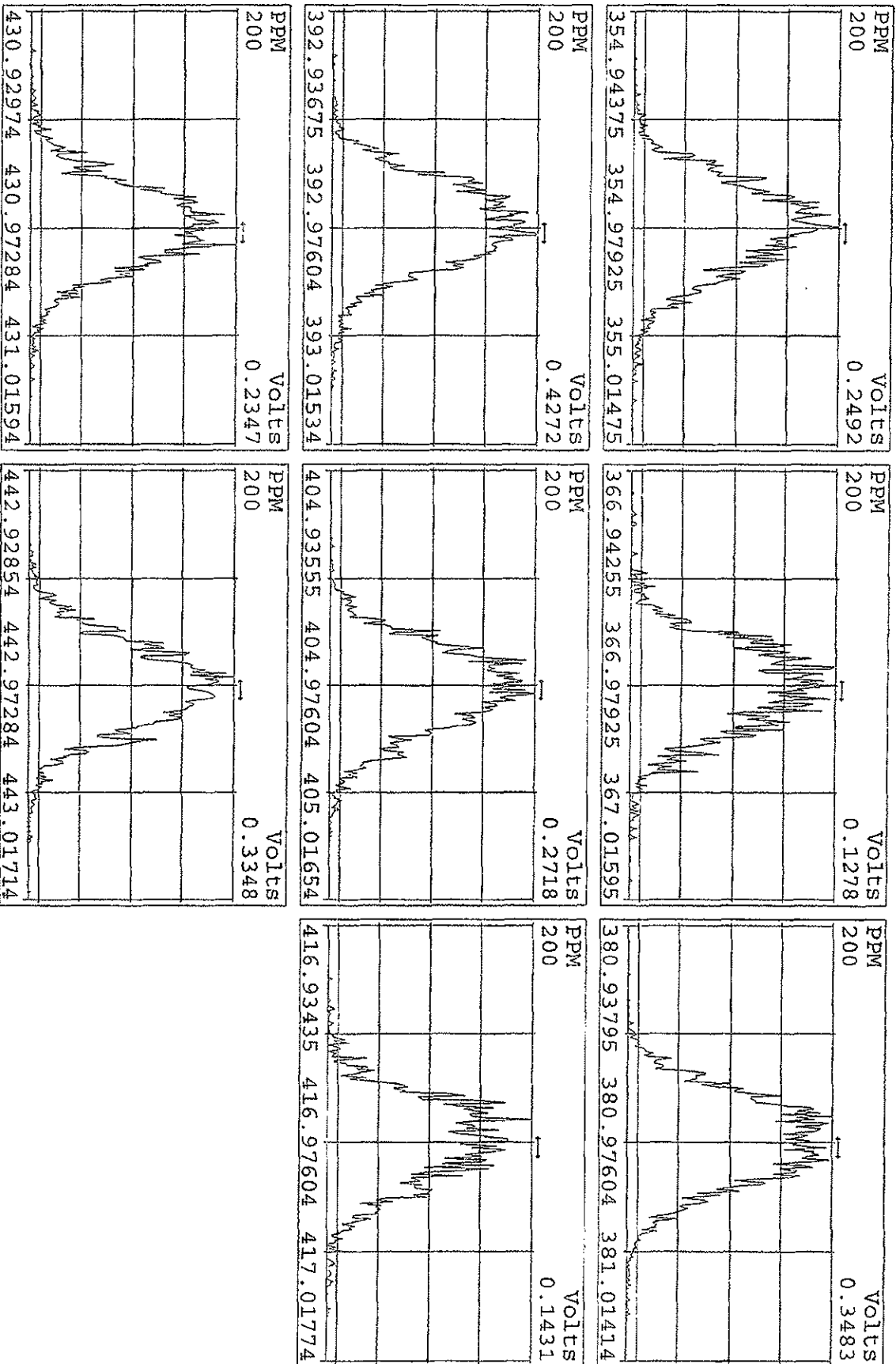
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 Experiment: 209DB5 Function: 2 Reference: PRX



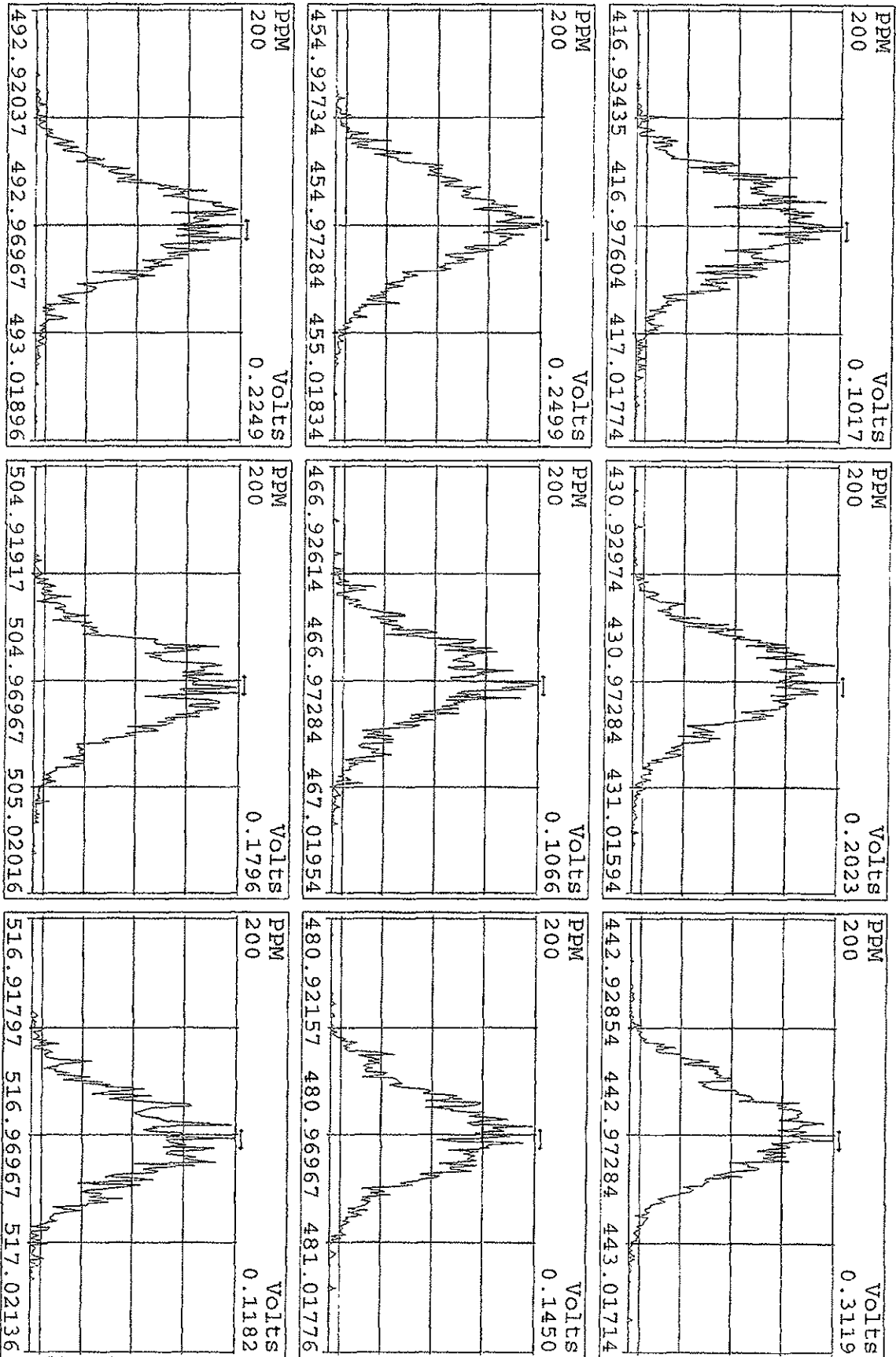
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Experiment: 209DB5 Function: 3 Reference: PFK



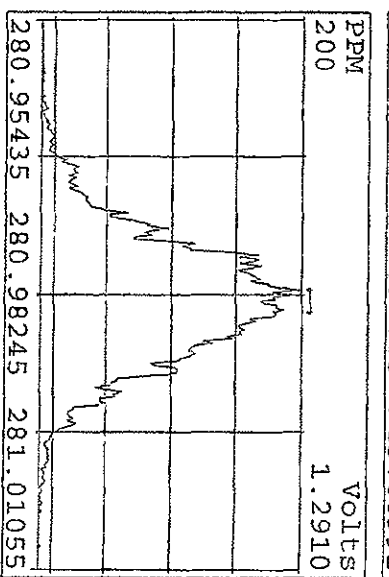
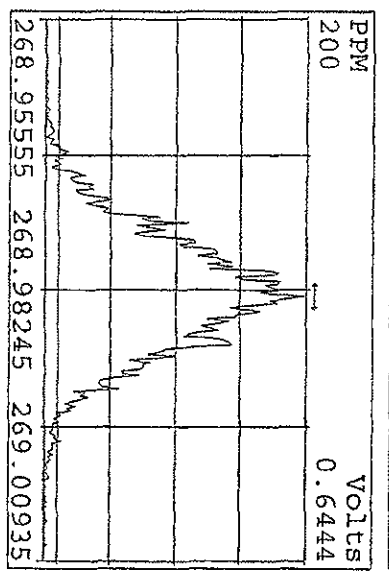
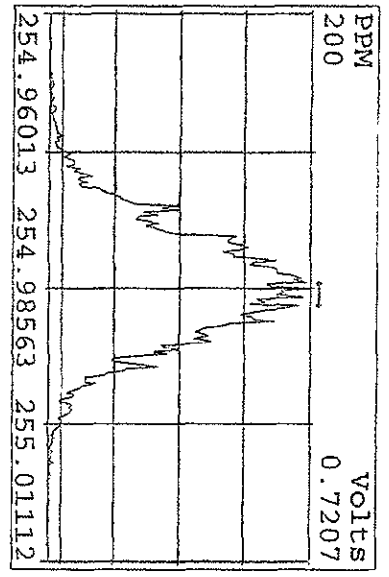
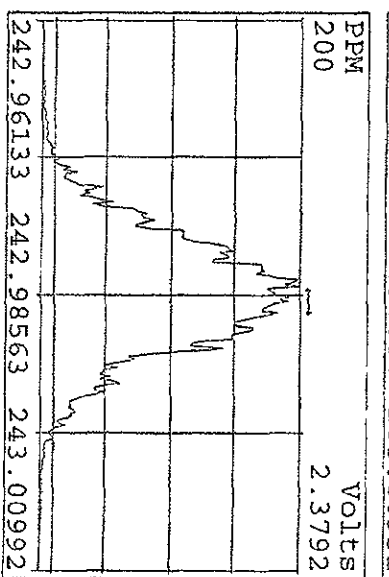
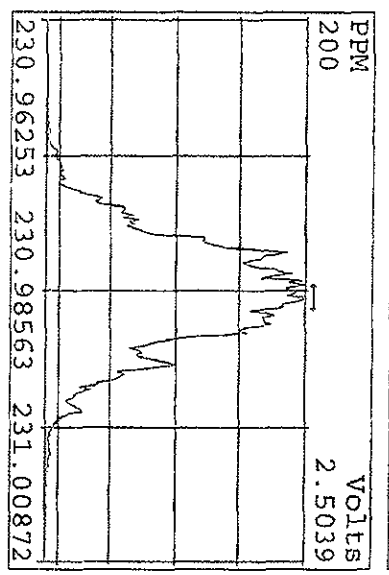
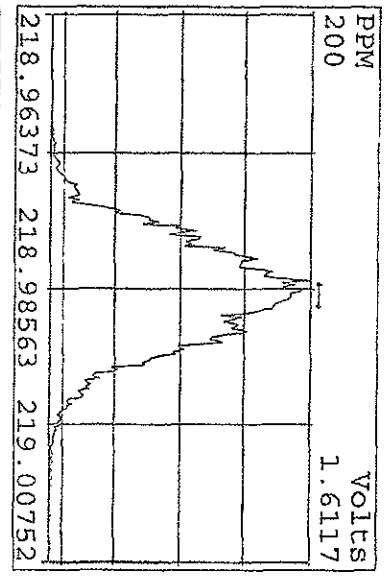
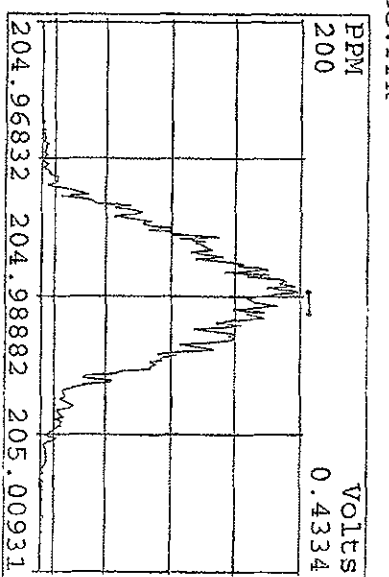
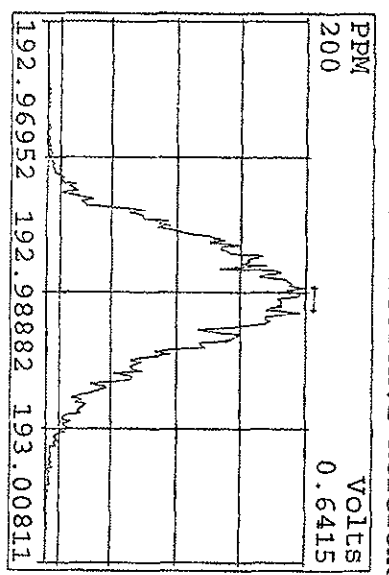
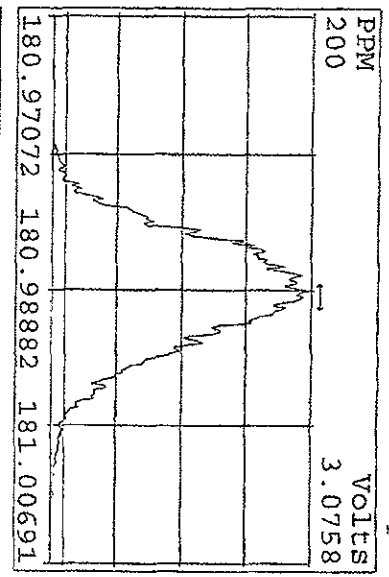
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 Experiment:209DB5 Function:4 Reference:PFK



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 Experiment:209DB5 Function:5 Reference:PK

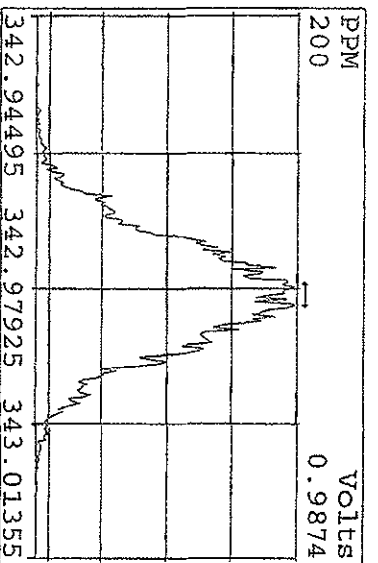
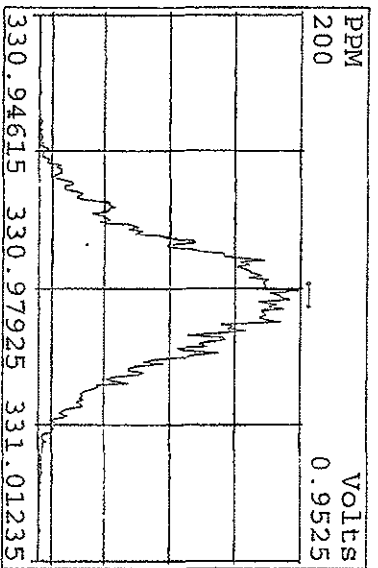
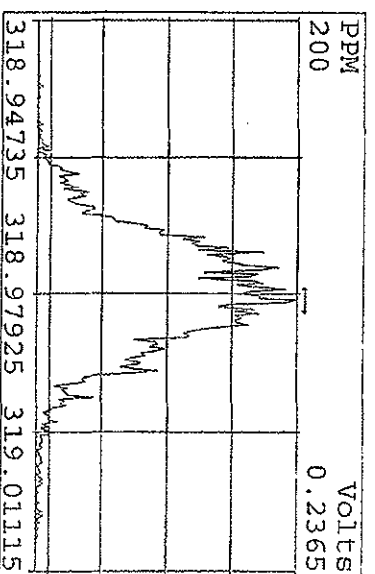
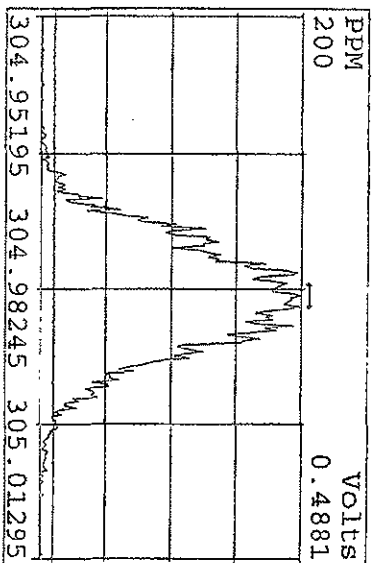
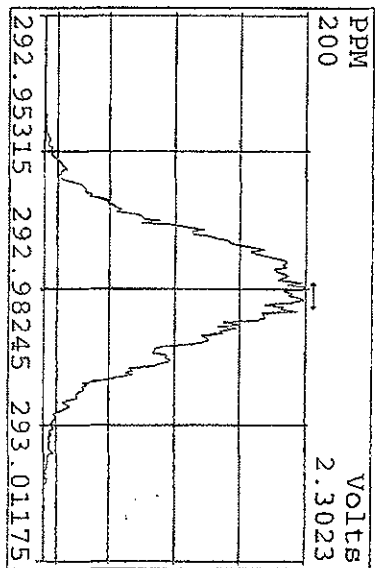
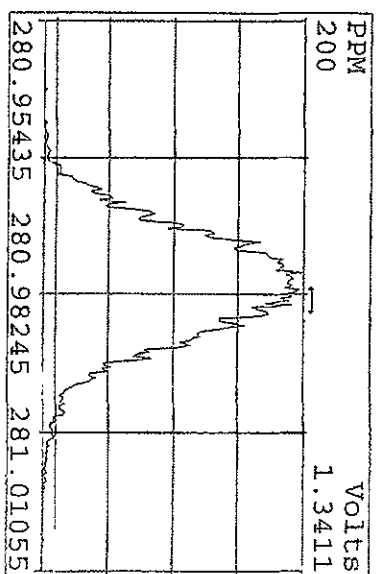
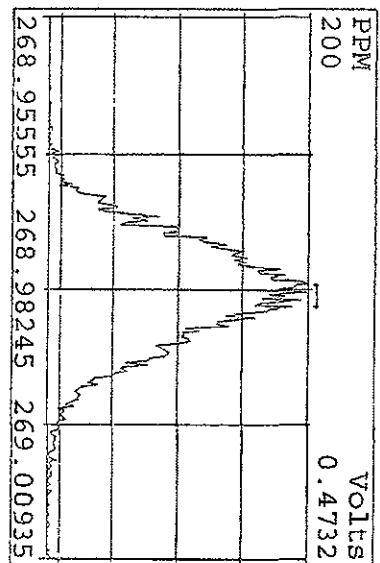
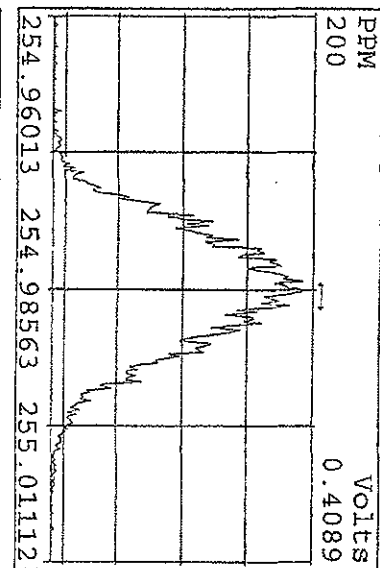


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 Experiment:209DB5 Function:1 Reference:PK

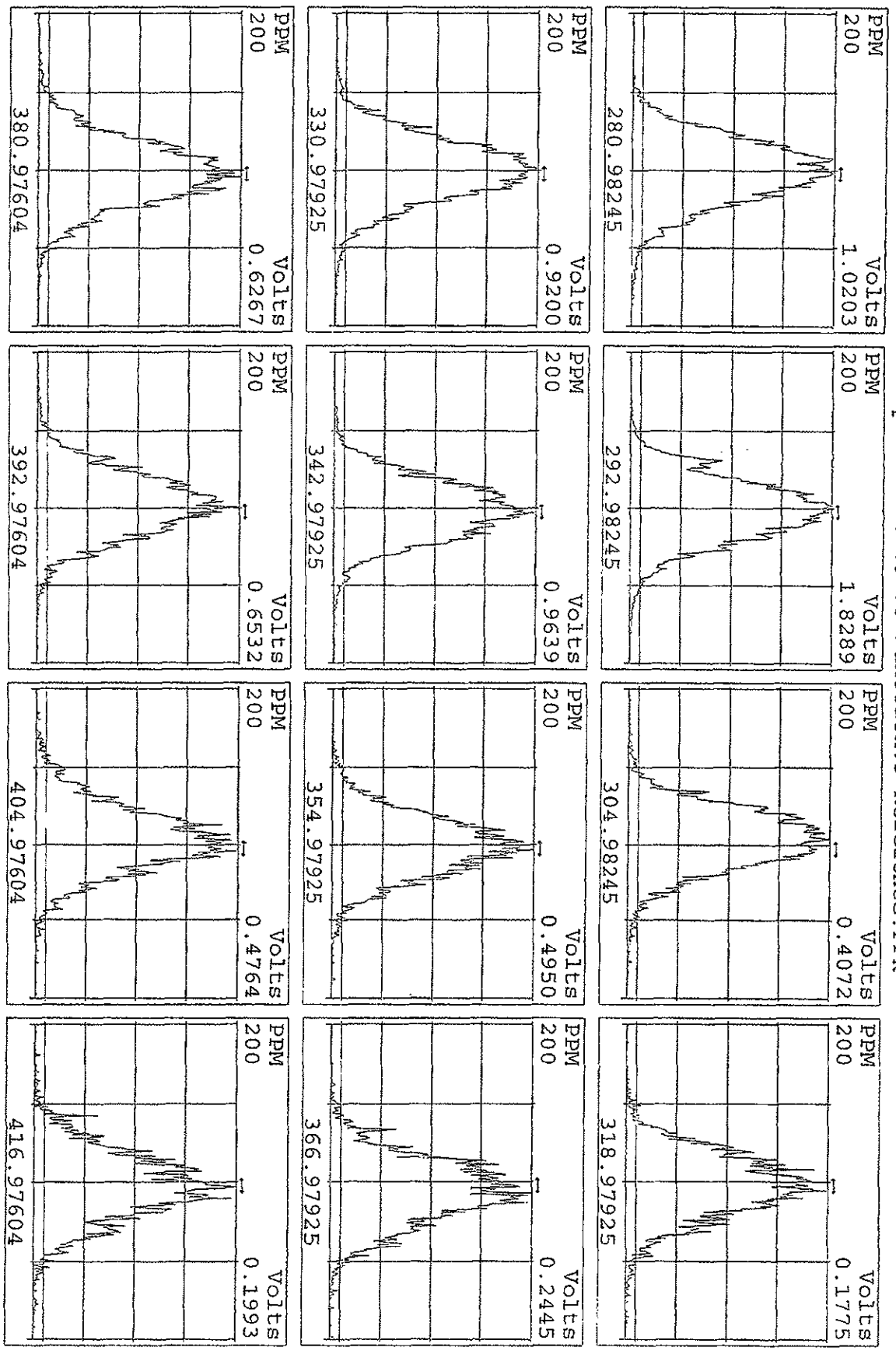




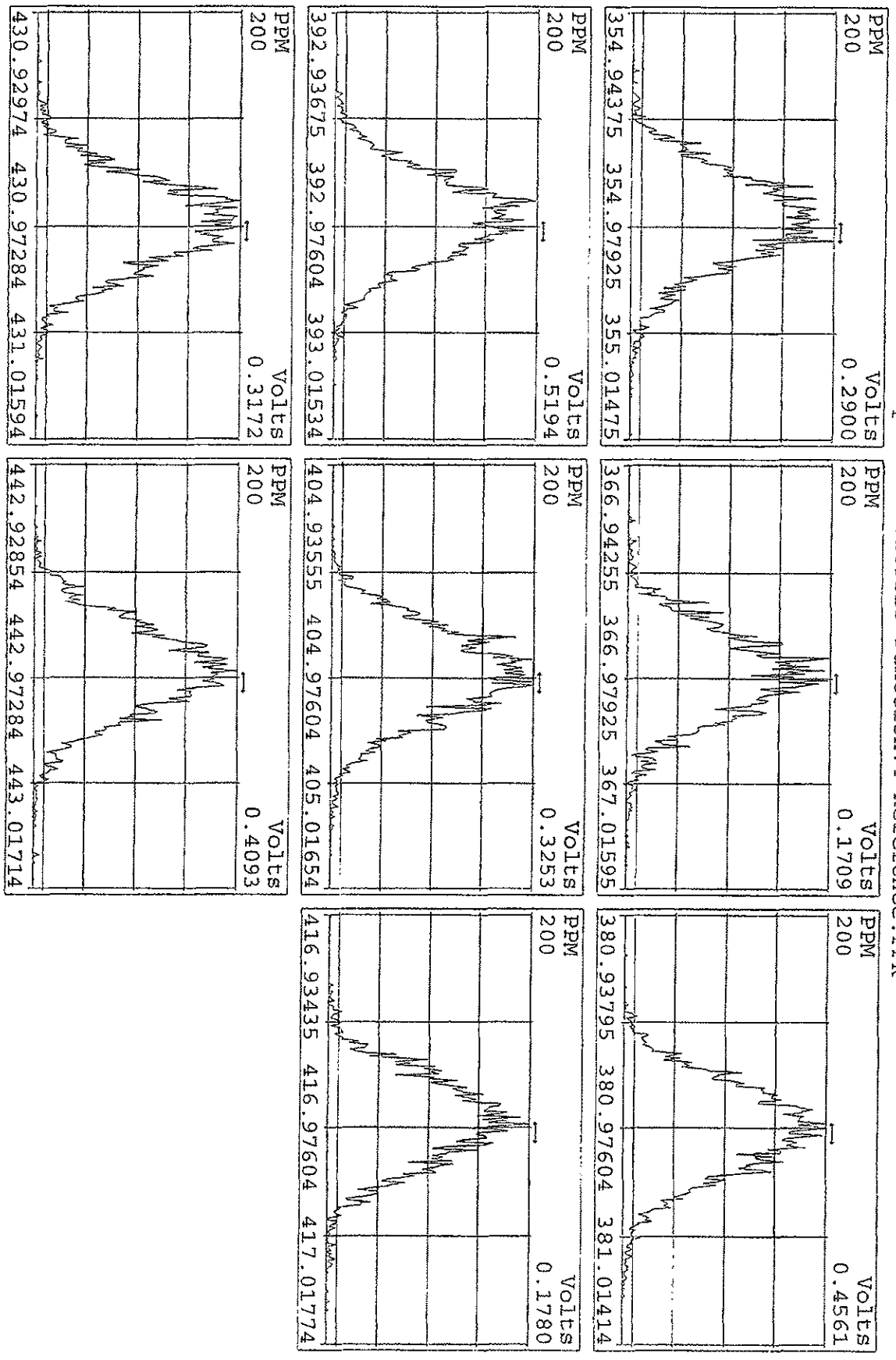
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 Experiment: 209DB5 Function: 2 Reference: PFK



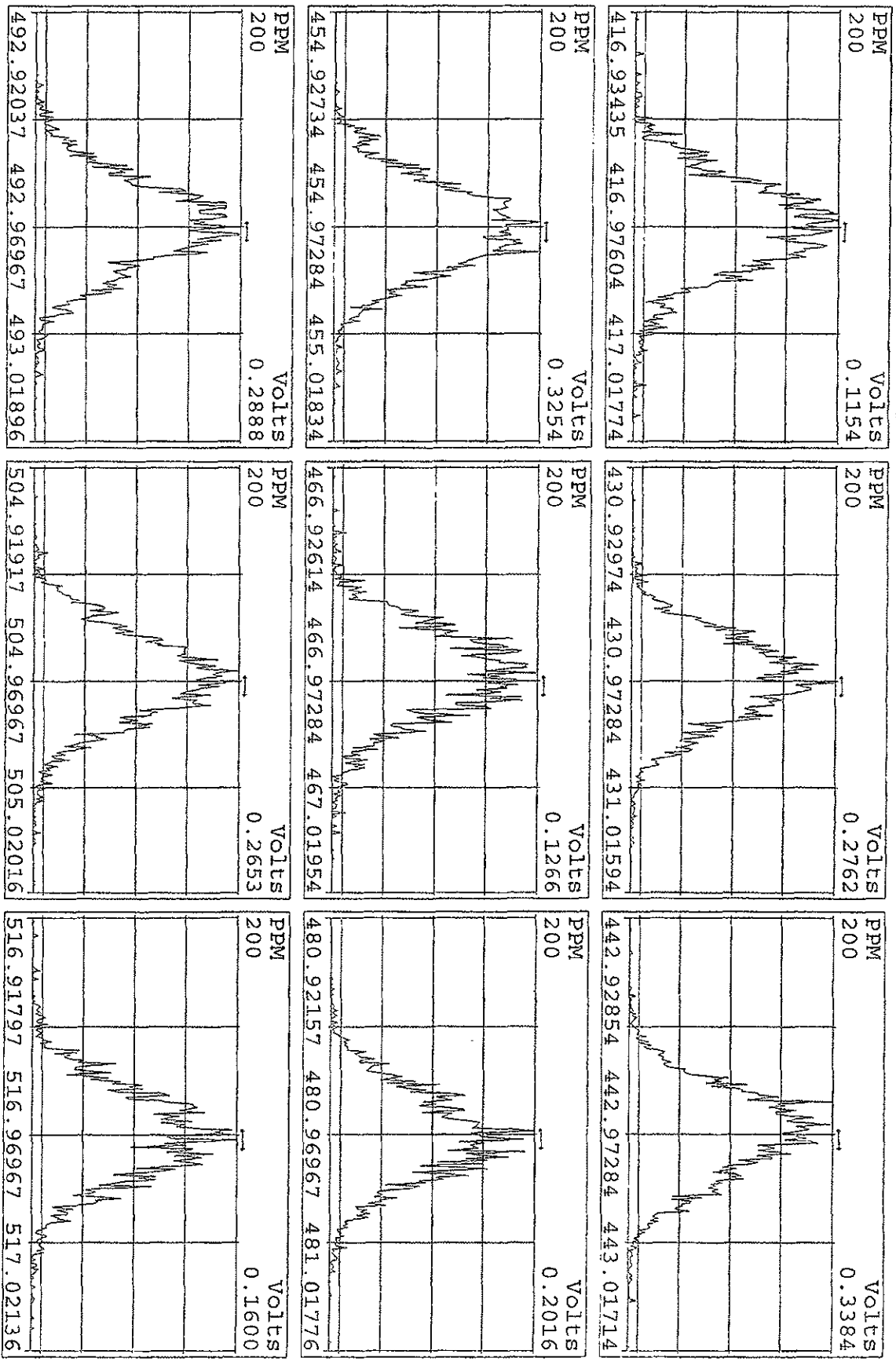
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 Experiment: 209DB5 Function: 3 Reference: PFK



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 Experiment: 209DB5 Function: 4 Reference: PFK



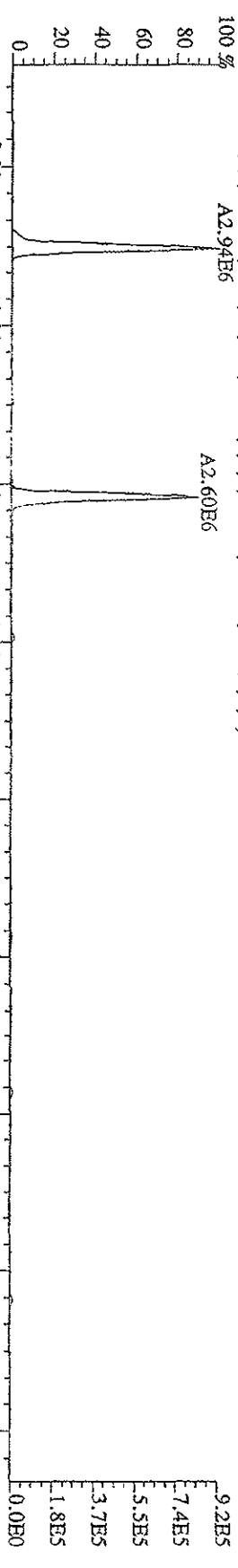
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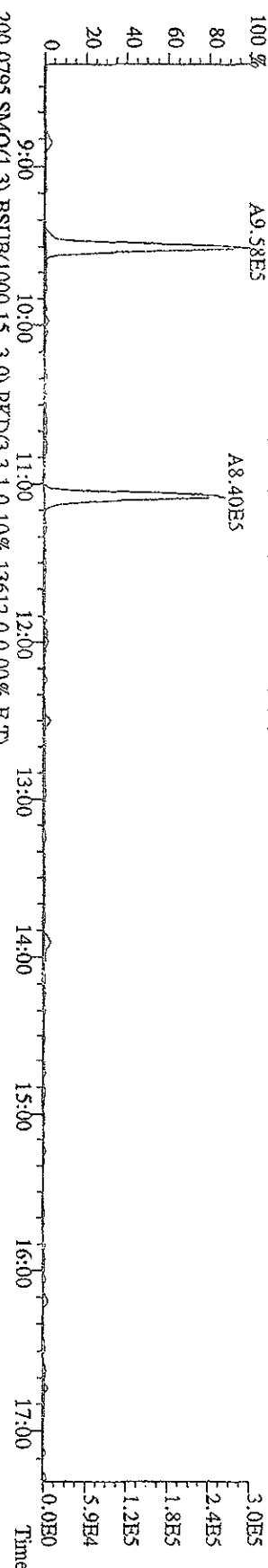
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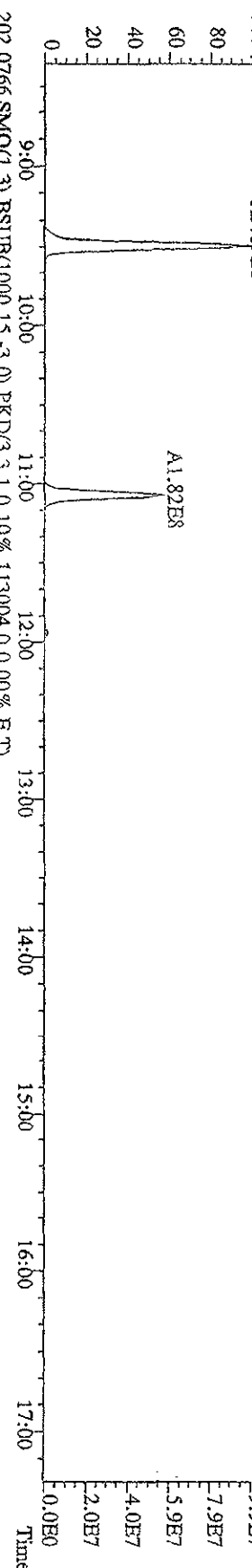
188.0393 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,3576.0,0.00%,F,T)



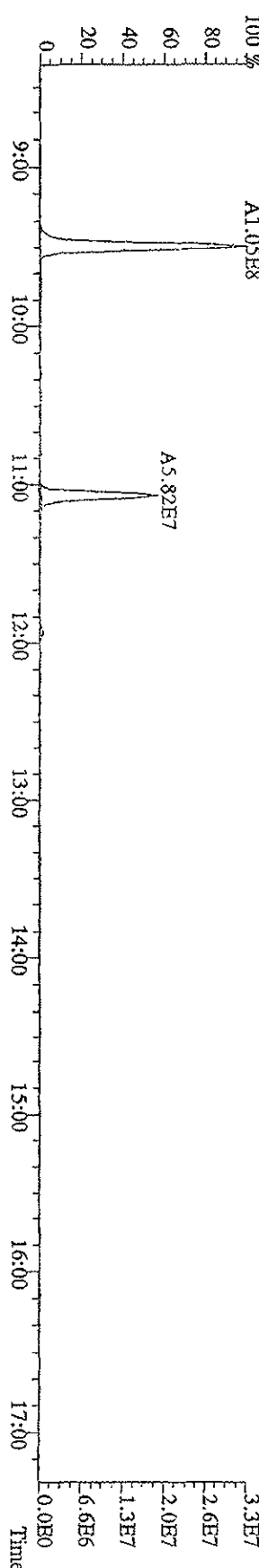
190.0363 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1812.0,0.00%,F,T)



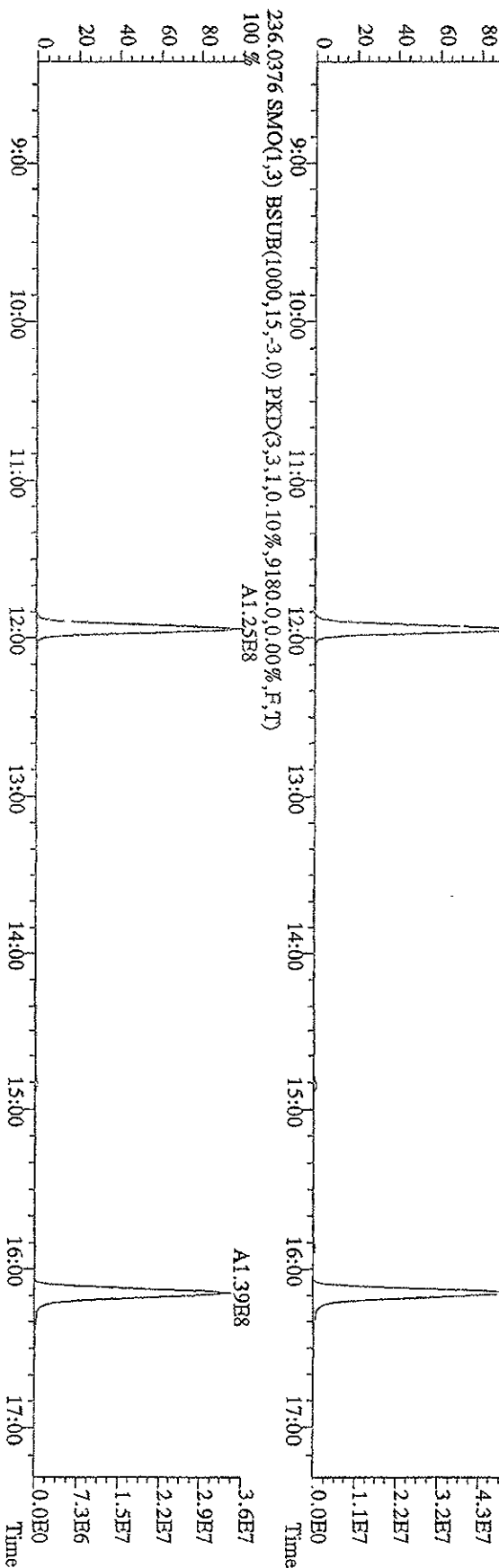
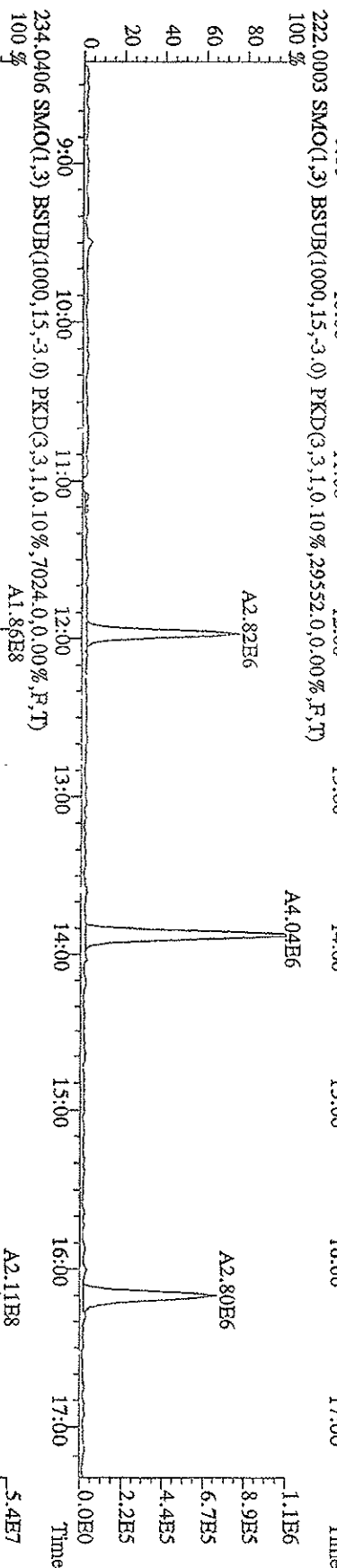
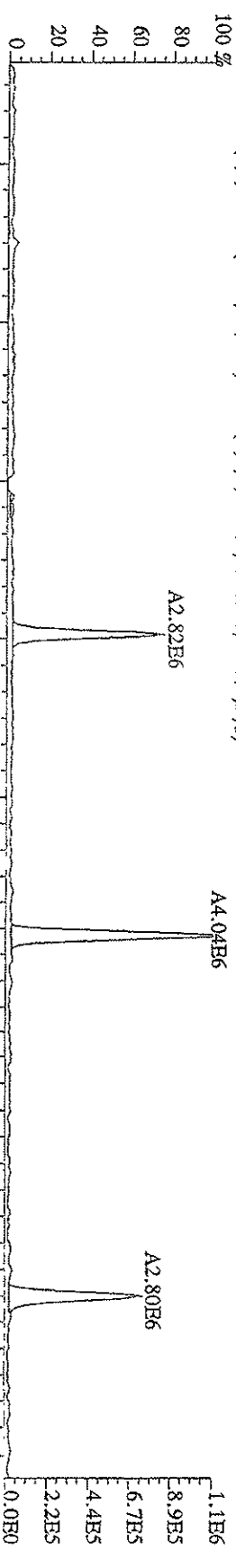
200.0795 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,13612.0,0.00%,F,T)



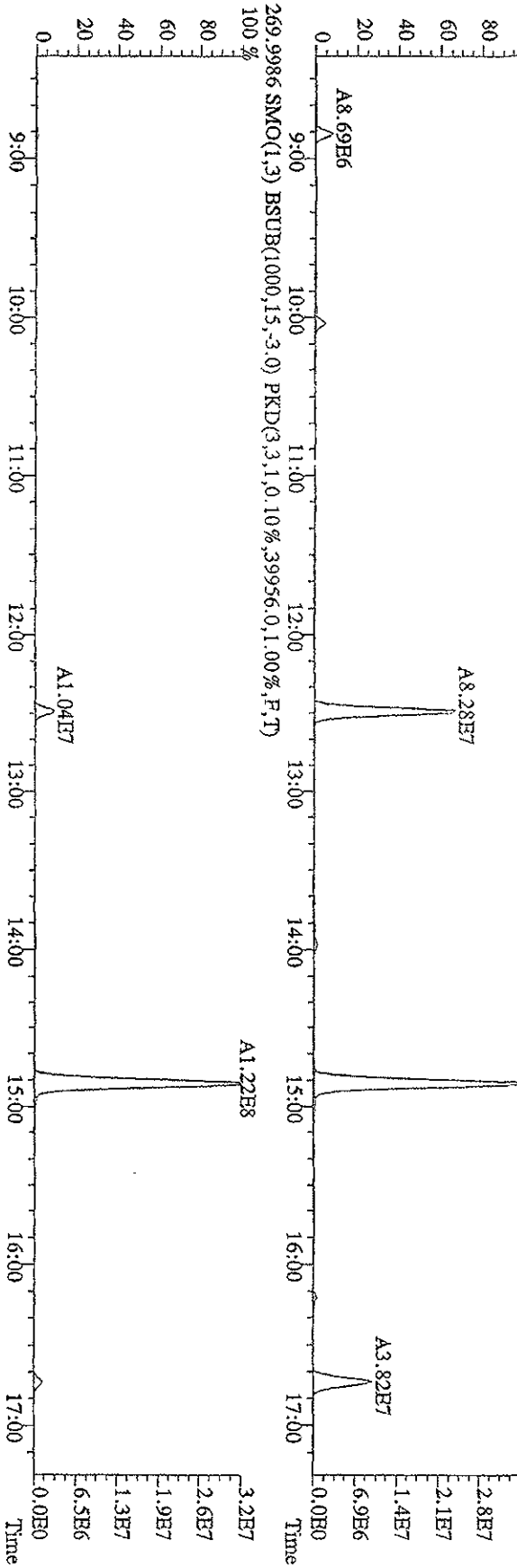
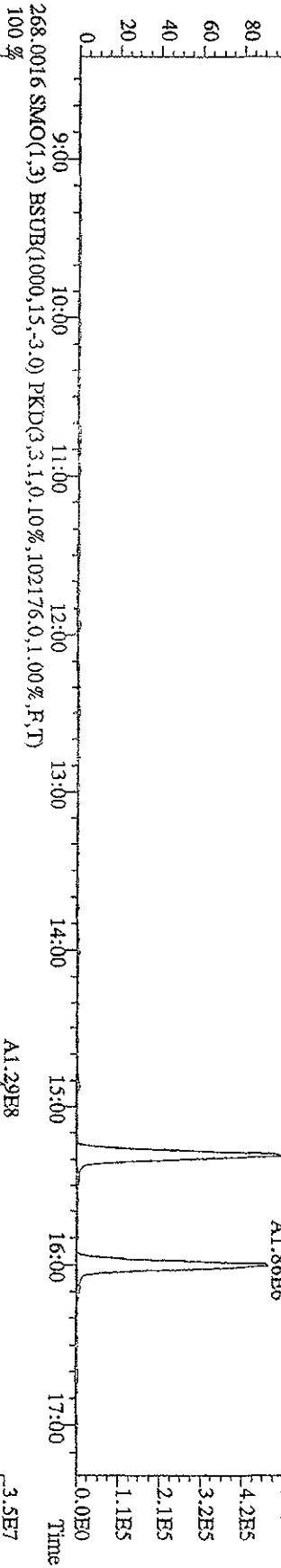
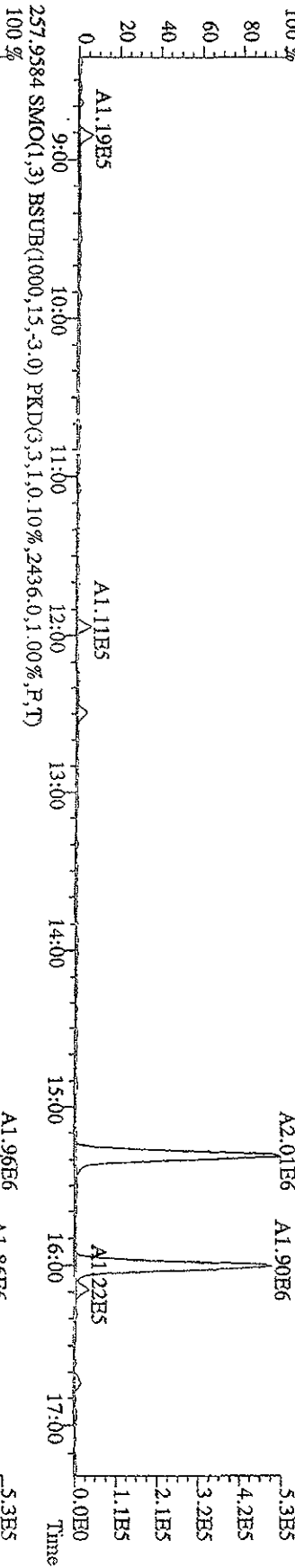
202.0766 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,113004.0,0.00%,F,T)



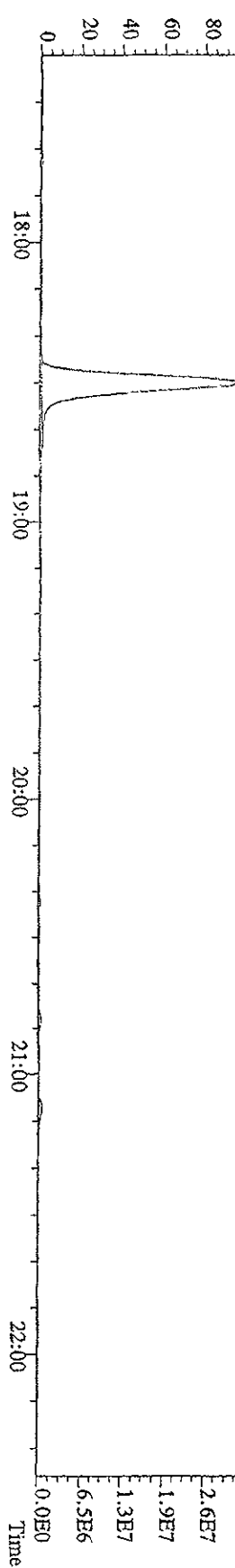
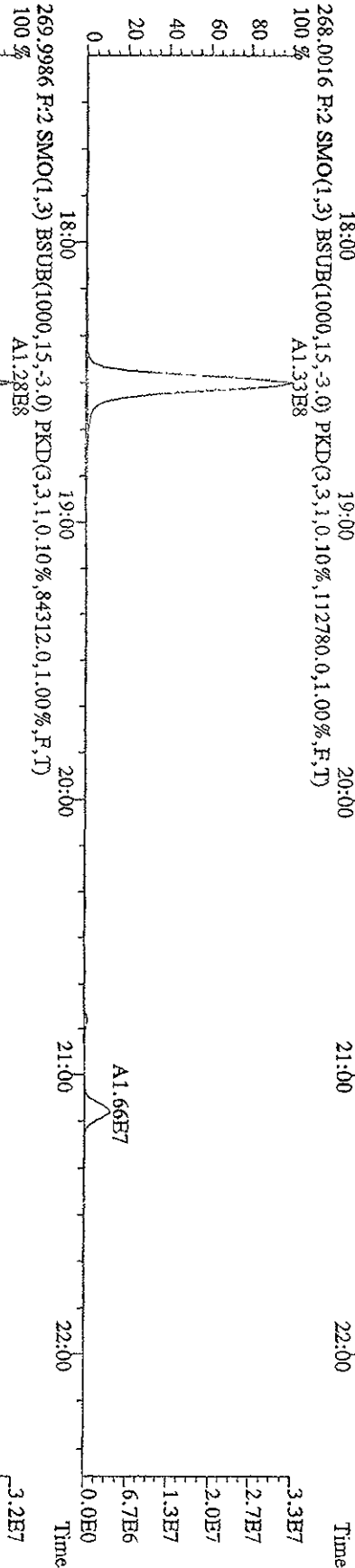
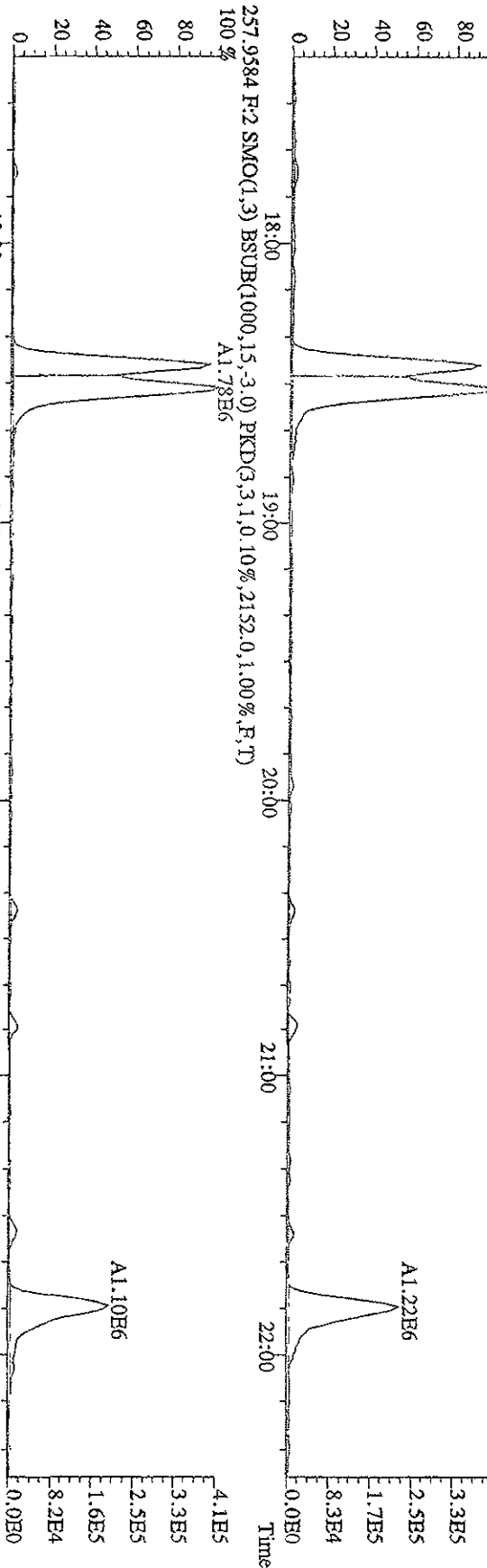
File: 151A09D9D5 #1-608 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text: ST0115 :CS1 09DXN014 Exp: 209DB5  
 222.0003 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,29552.0,0.00%,F,T)



File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltraE  
 Sample#1 Tex:ST0115 :CSI 09DDXN014 Exp:209DB5  
 255.9613 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,4620.0,1.00%,F,T)

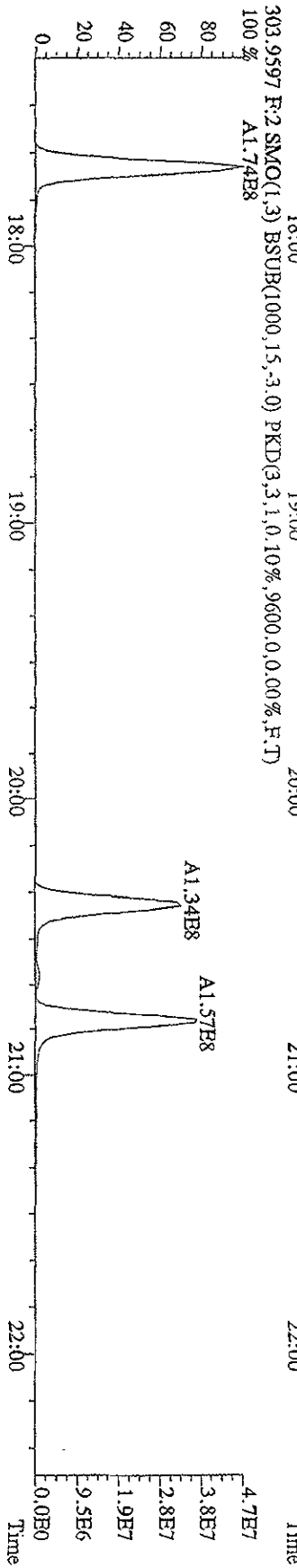
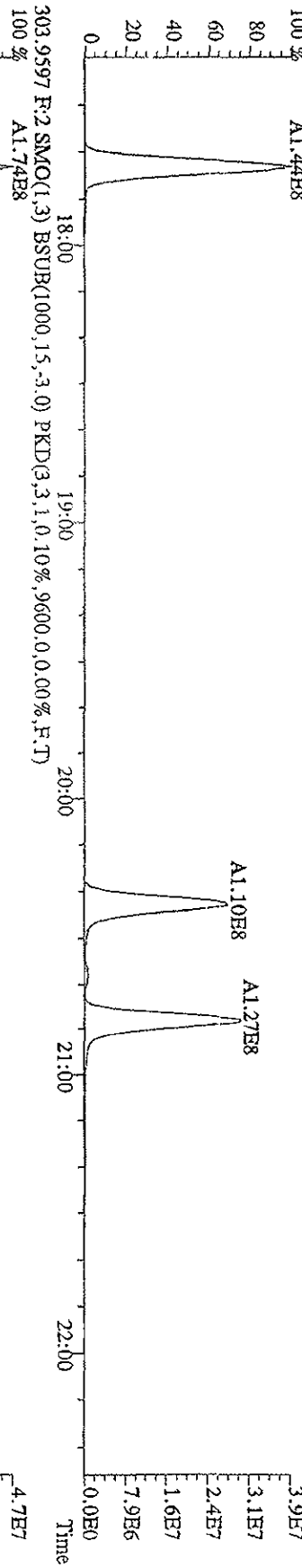
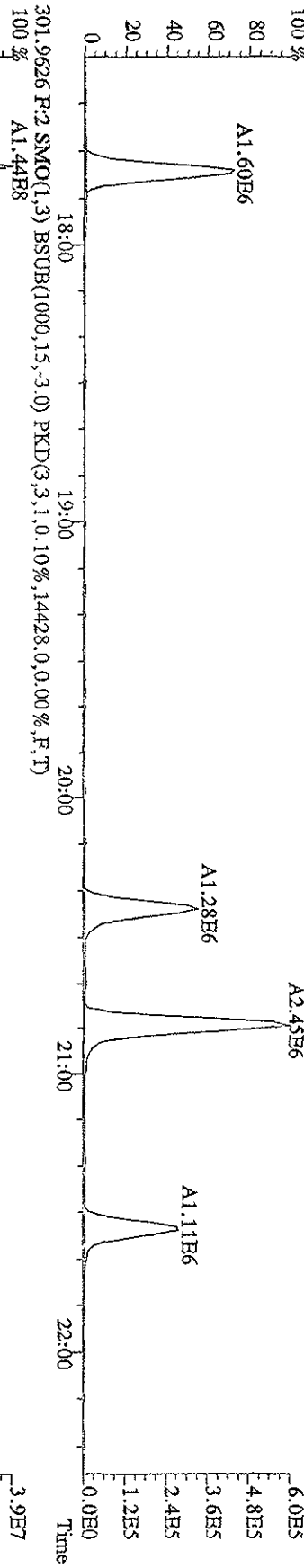
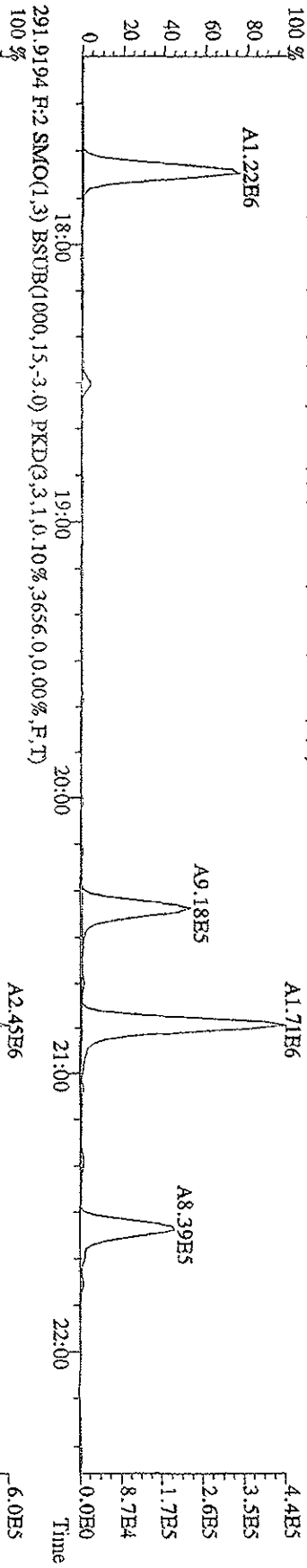


File: 151A09D9D5 #1-372 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-UltraH  
 Sample#1 Text: ST10115 :CSI 09DXN014 Exp: 209DB5  
 257.9584 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2152,0,1,00%,F,T)  
 100% A1.91E6

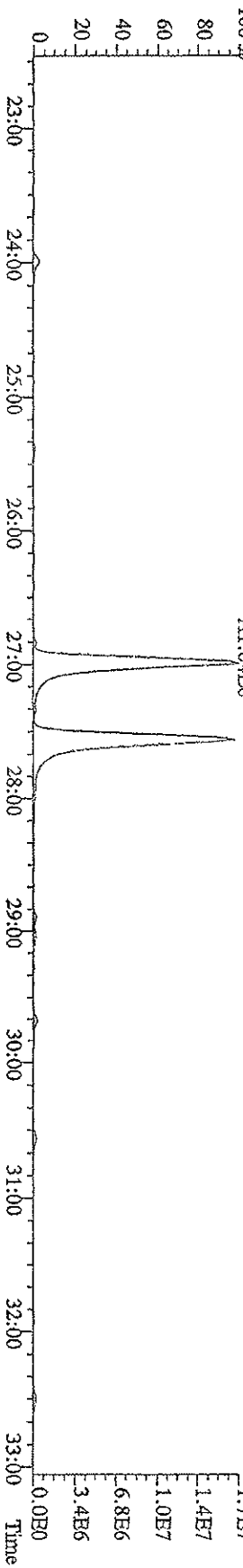
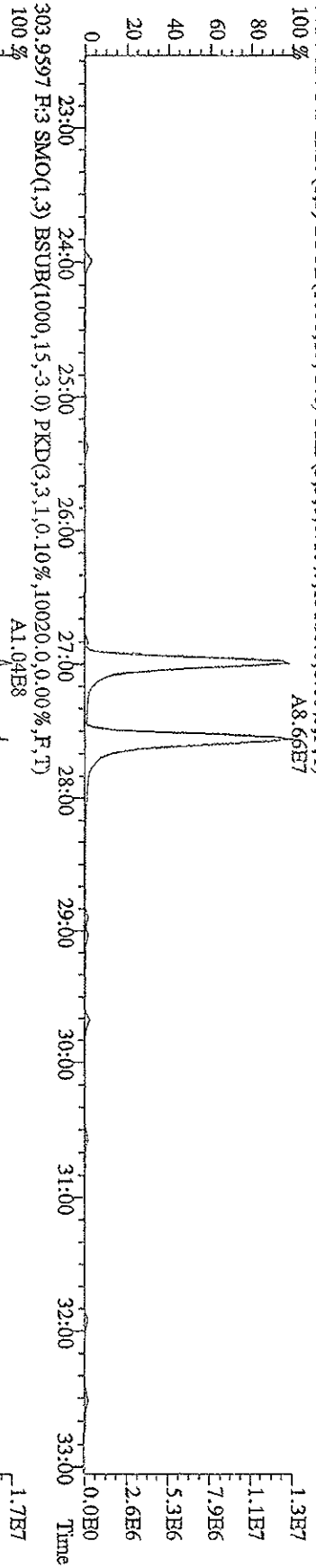
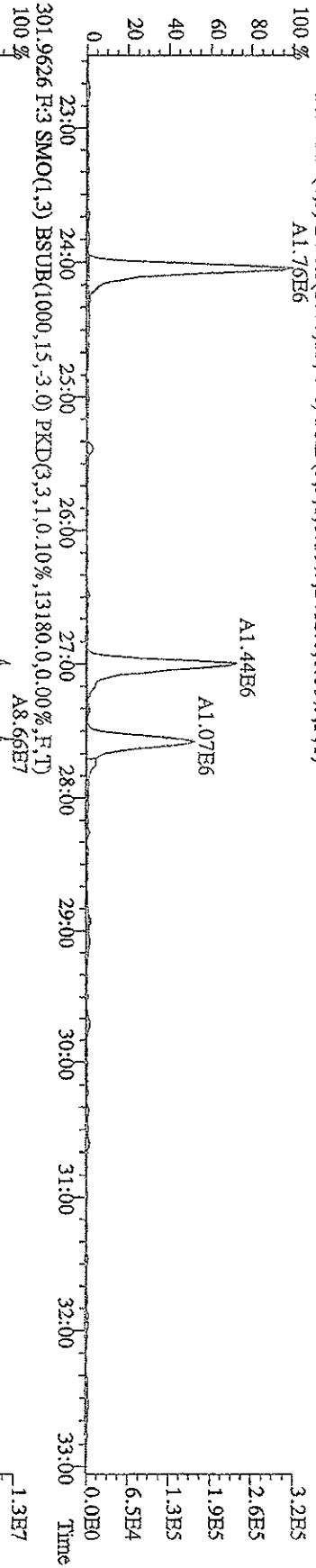
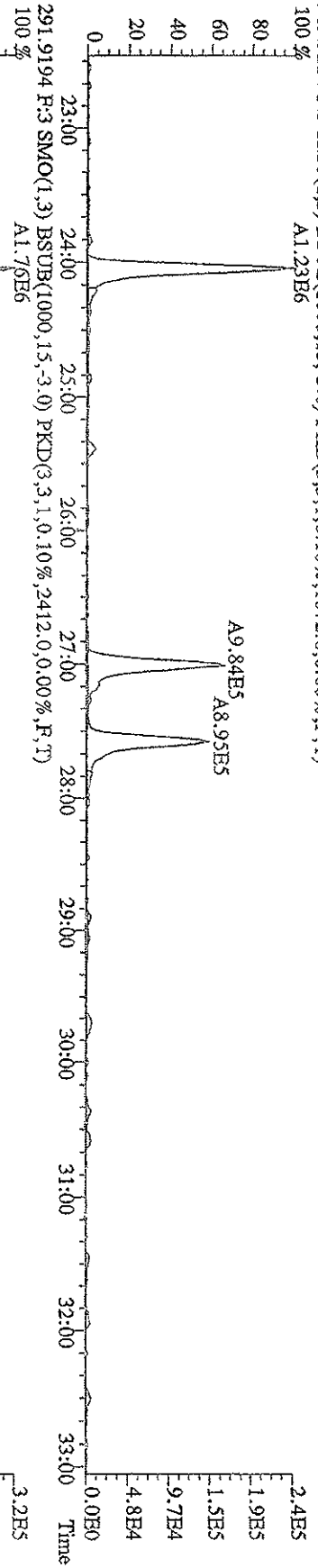




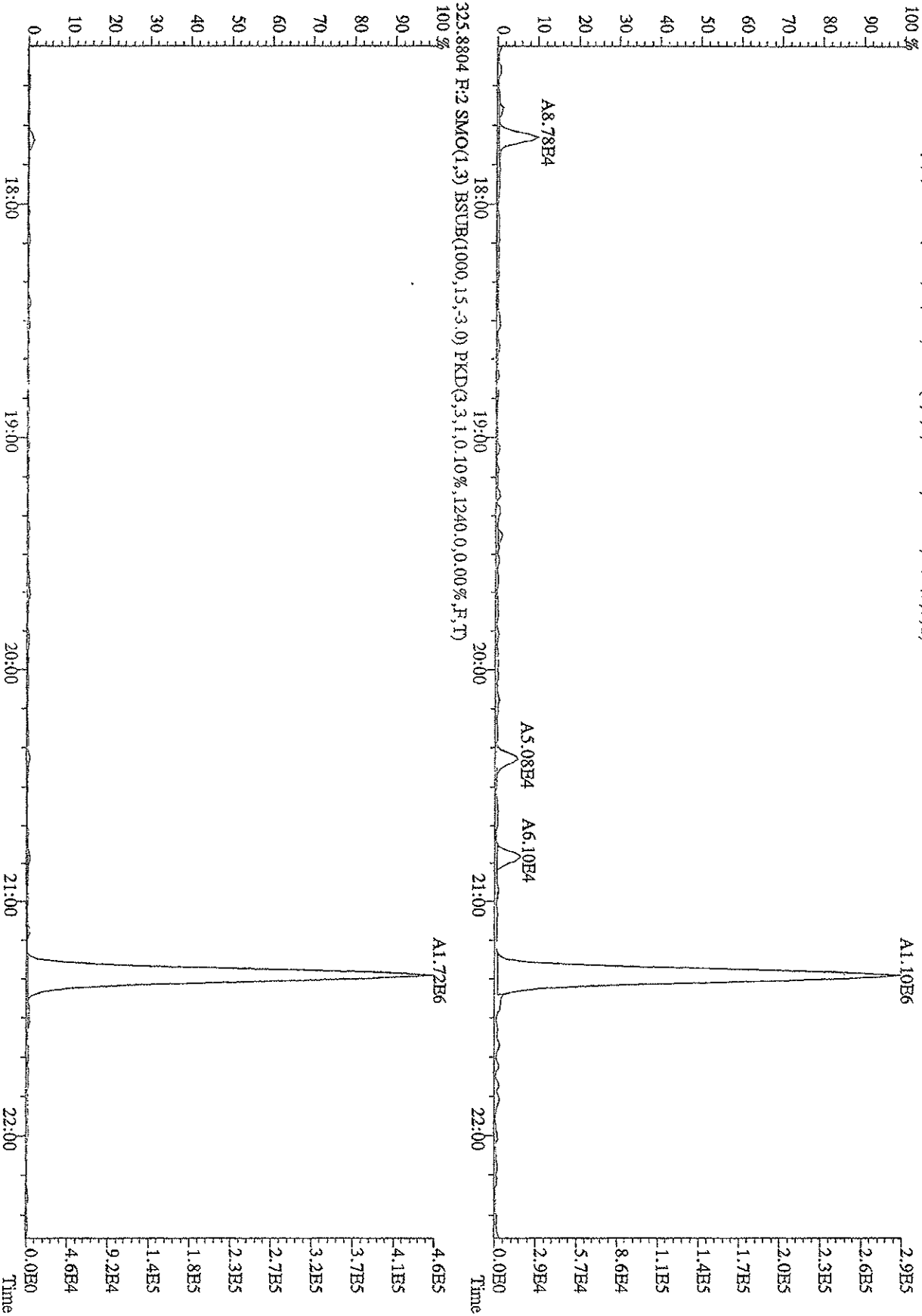
File:151A09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STD Autospec-UltimaH  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 289.9224 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1736,0,0,00%,F,T)



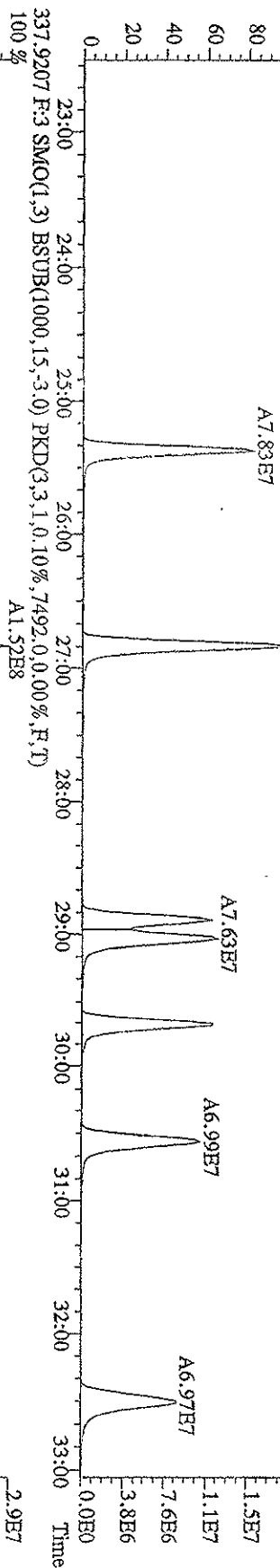
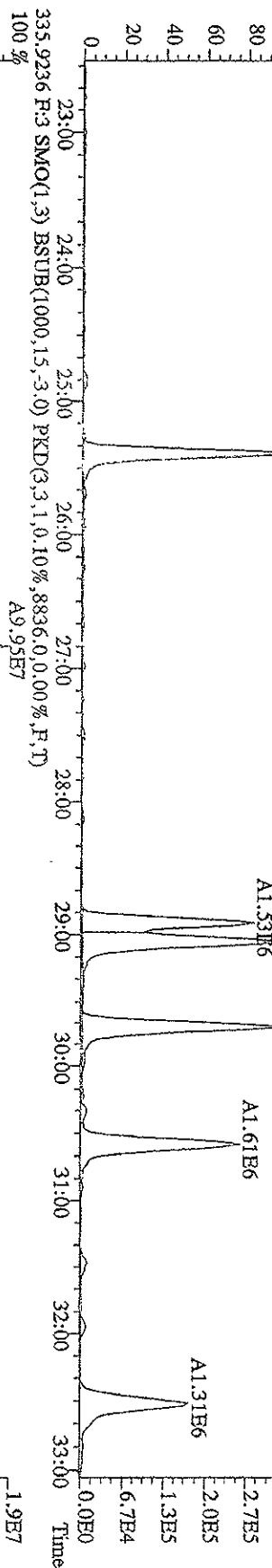
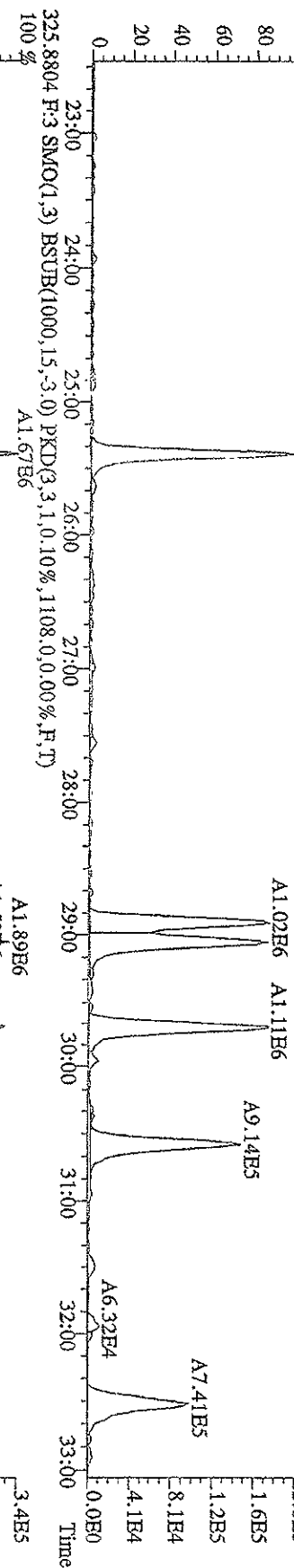
File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 289.9224 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1072,0,0,00%,F,T)  
 100 % A1.23E6



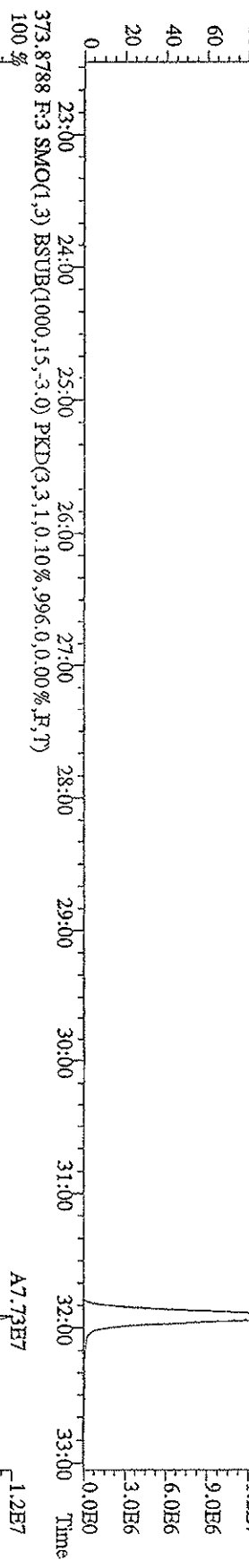
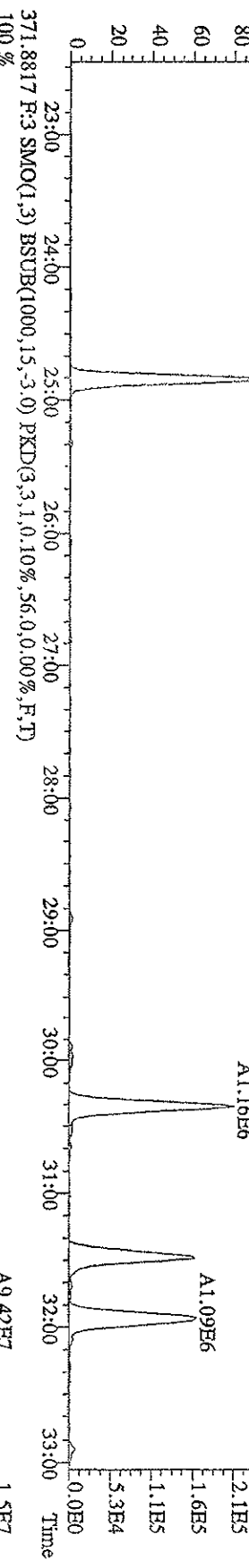
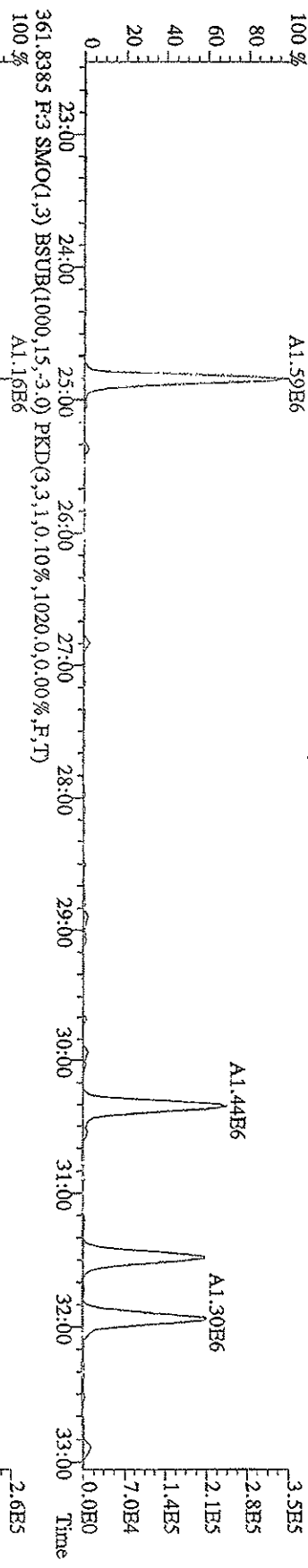
File:15JA09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:570115 :CS1.09DXN014 Exp:209DB5  
 323.8834 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1240,0,0.00%,F,T)



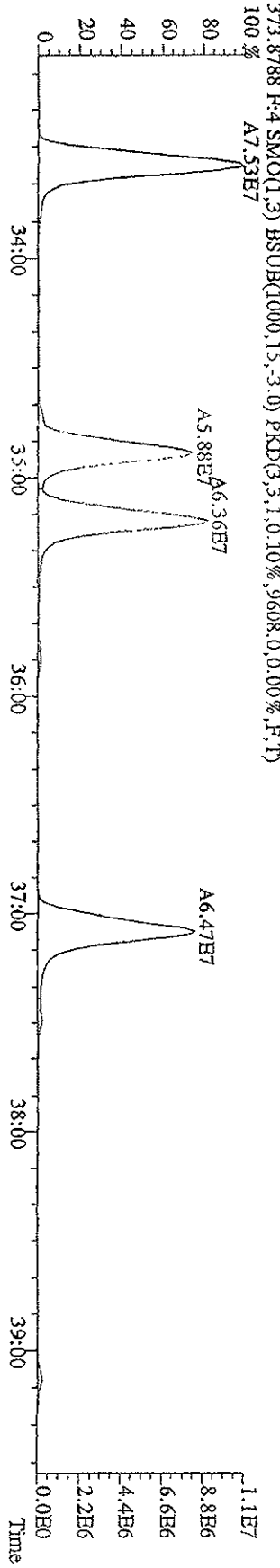
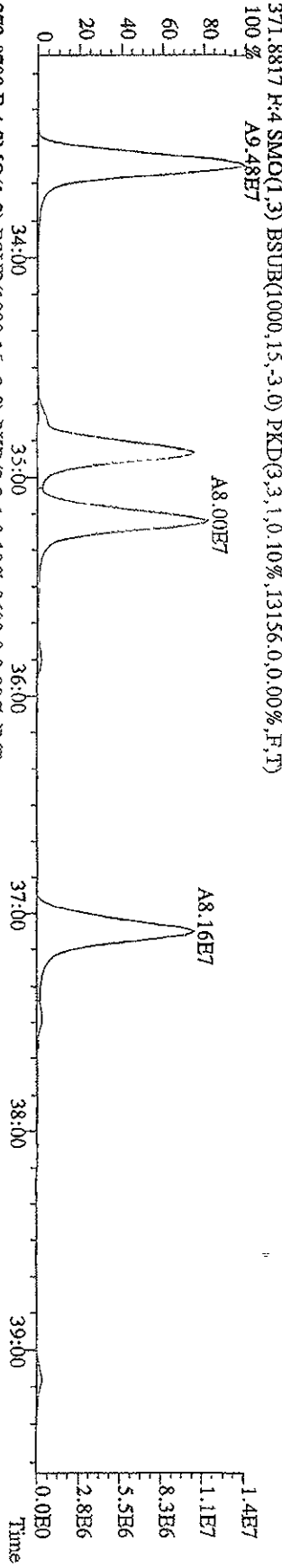
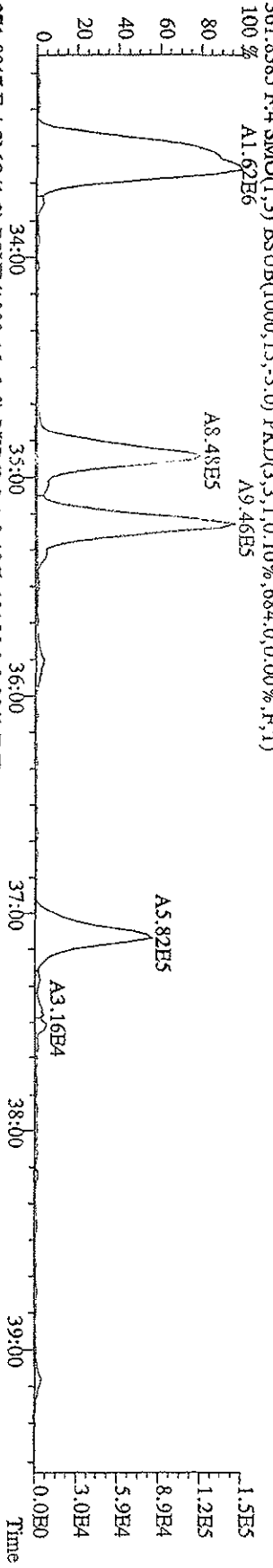
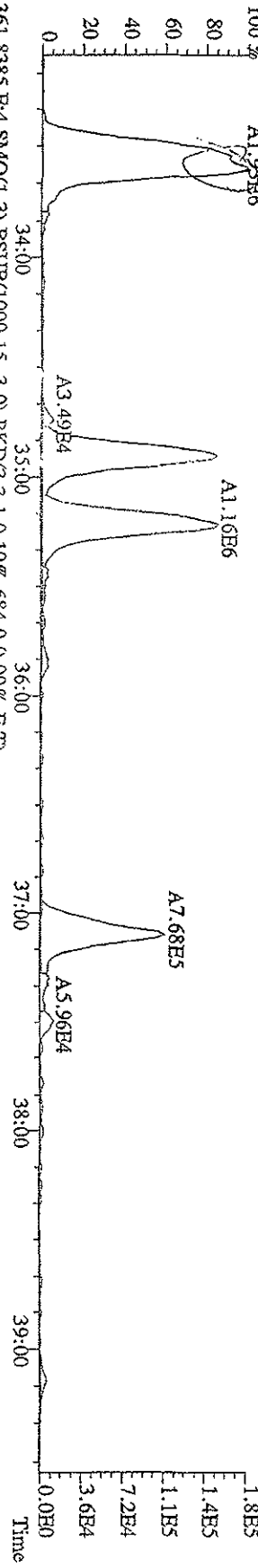
File:151A09DD9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :C61 09DXN014 Exp:209DB5  
 323.8834 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1500,0,0,00%,F,T)  
 100 %



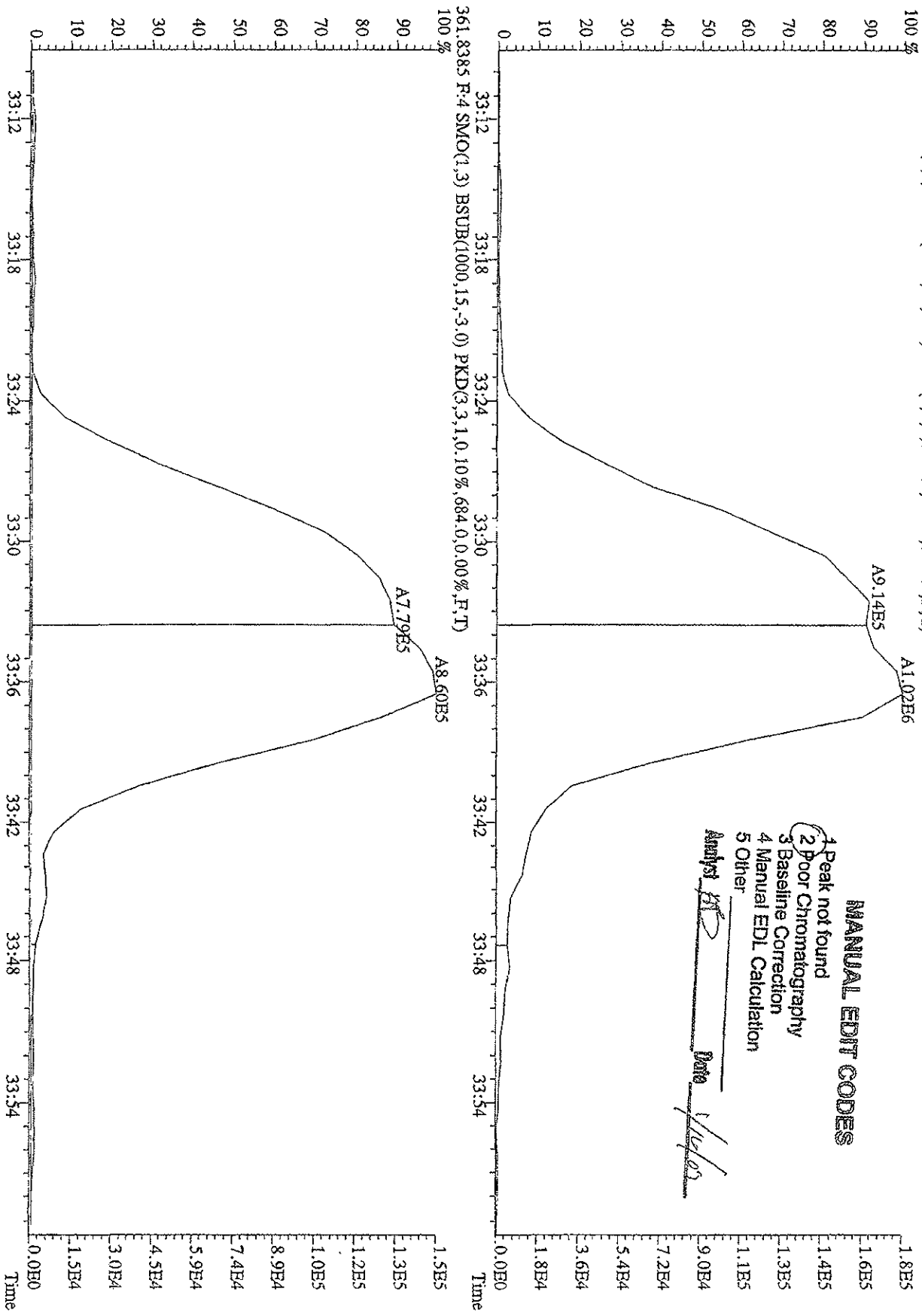
File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC HF+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359.8415 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1376,0,0,0,00%,F,T)  
 100% A1.59E6



File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage 51R Autospec-UHimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,928,0,0,00%,F,T)  
 100%



File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0115 : CS1 09DXN014 Exp: 209DB5  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,928.0,0.00%,F,T)  
 100%

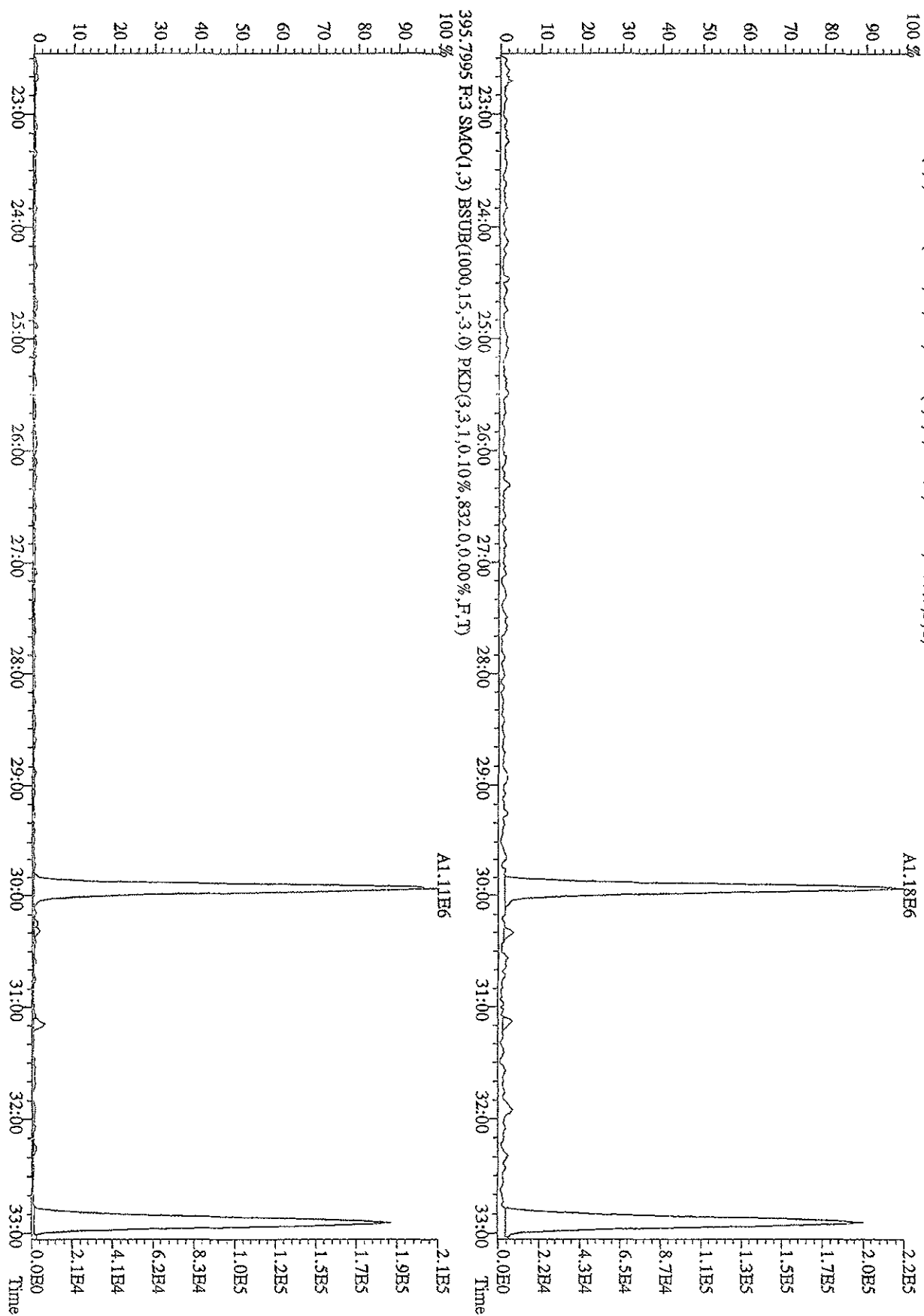


**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

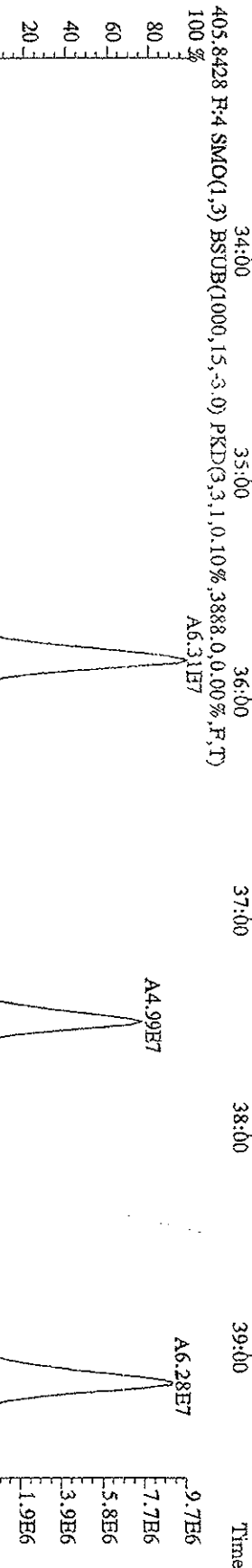
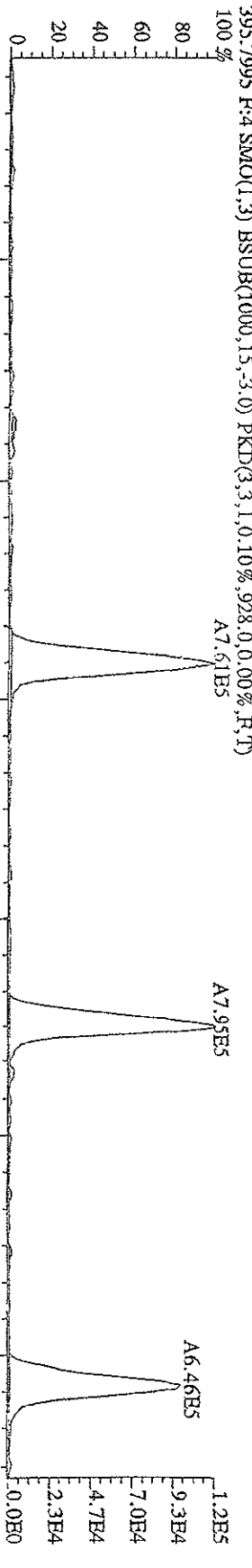
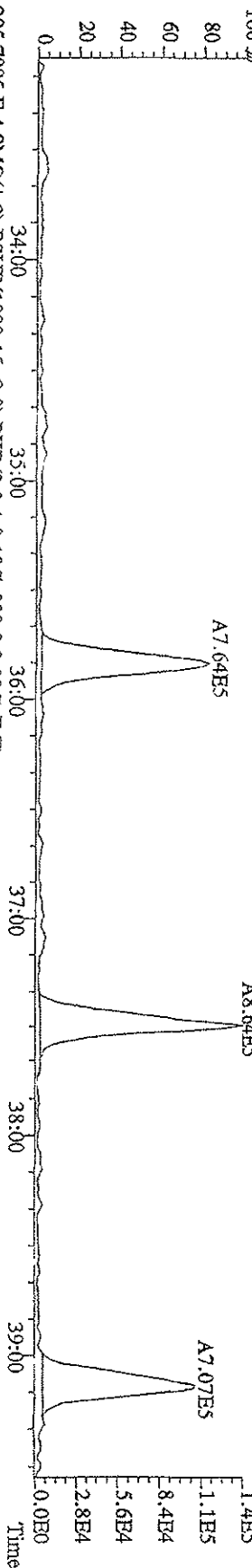
Analyst HT Date 1/16/05

File:15JA09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UHlimAE  
 Sample#1 Text:ST0115 .CSI 09DXN014 Exp:209DB5  
 395.8025 R:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,.3252,0.0,0.00%,F,T)

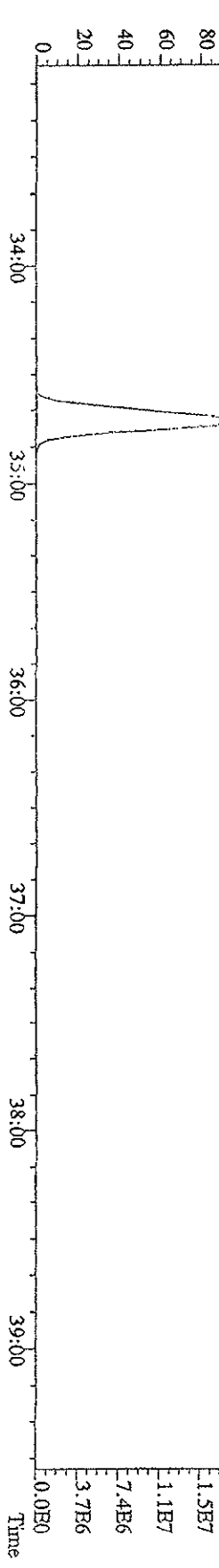
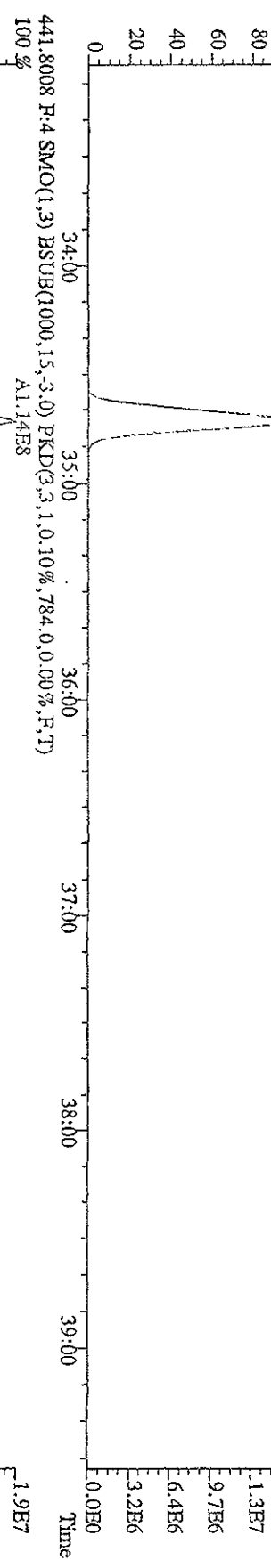
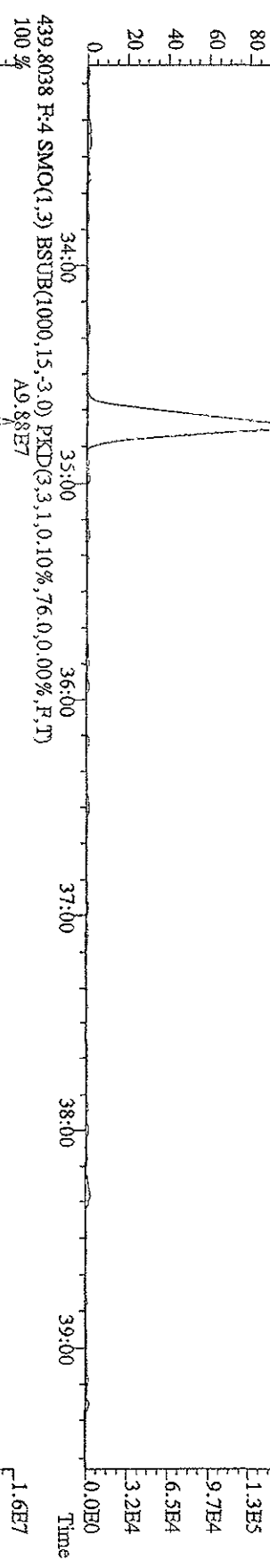
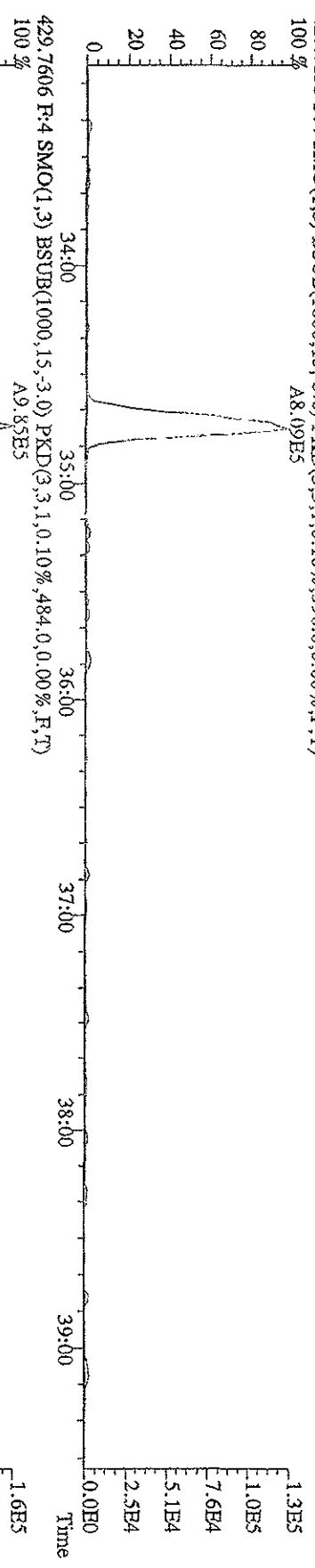




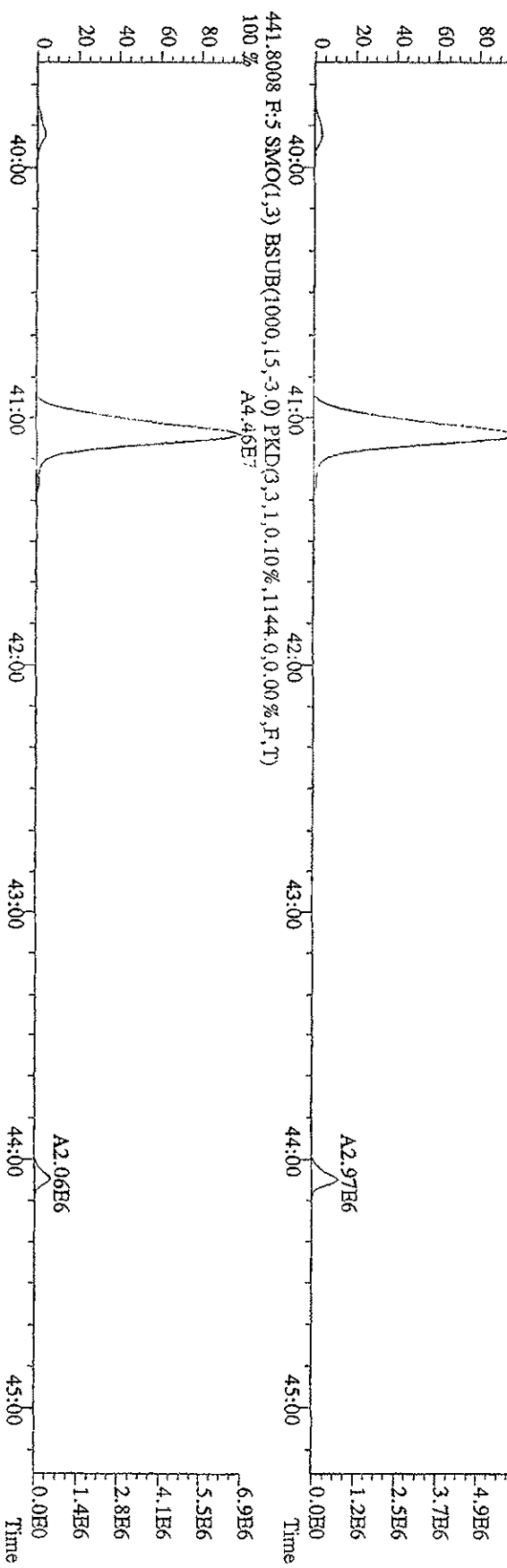
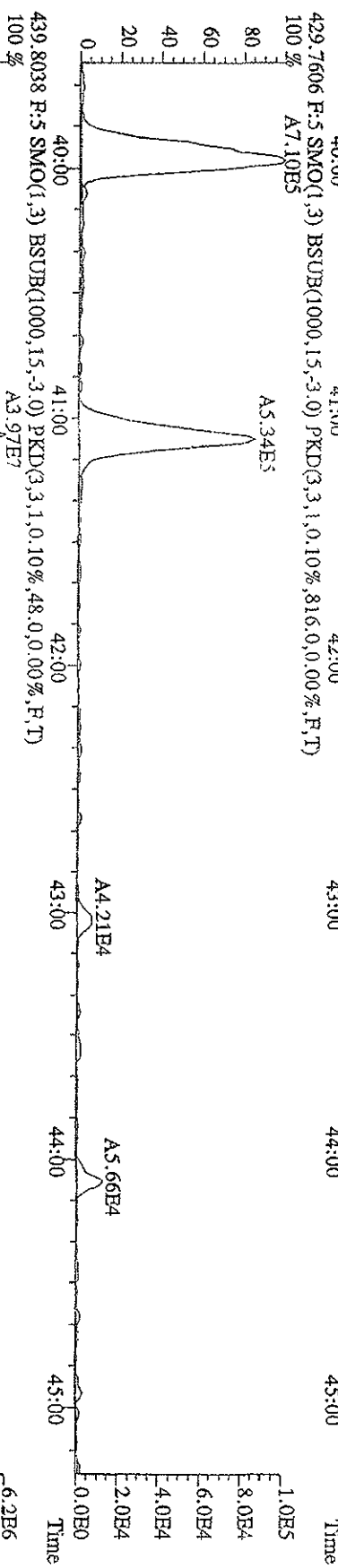
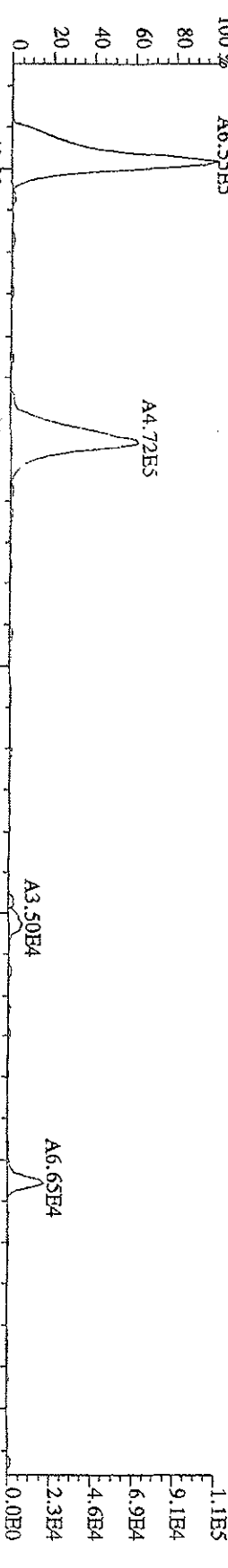
File:15IA09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-UltraB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 393.8025 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,.3464,0,0,00%,F,T)  
 100%



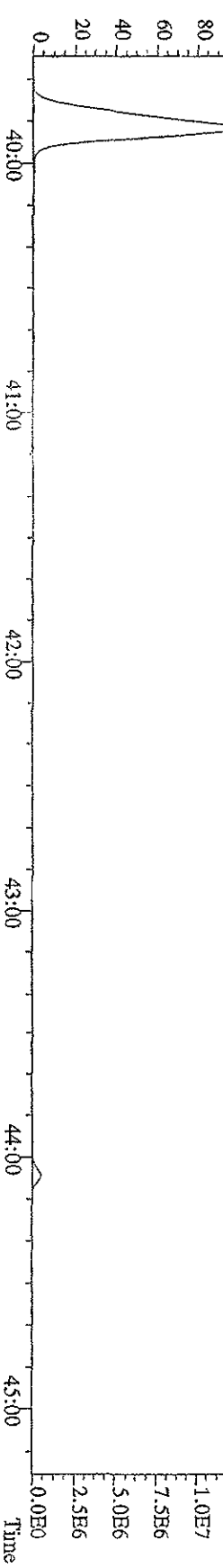
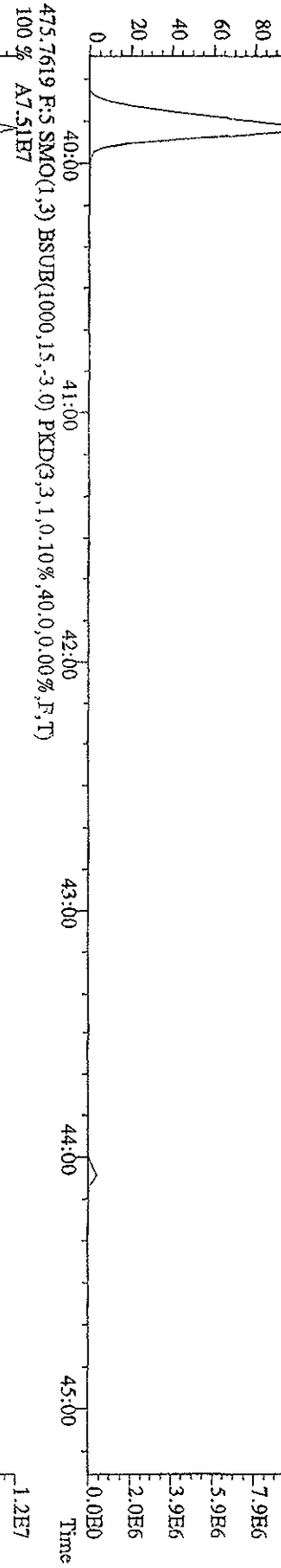
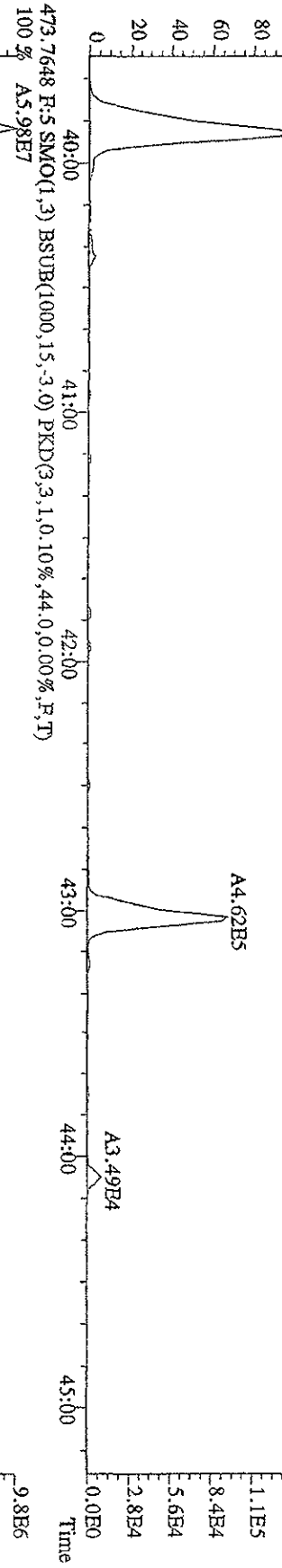
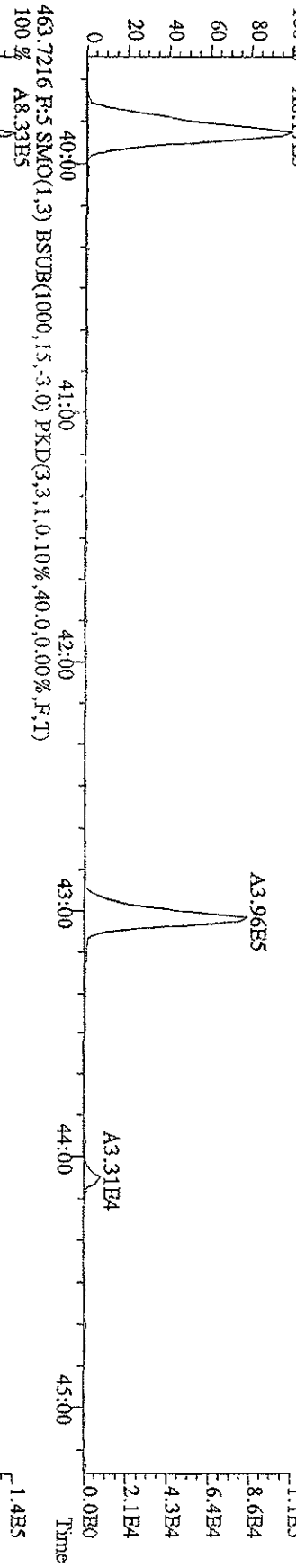
File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 427.7635 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,484,0,0,00%,F,T)  
 100% A8.09E5



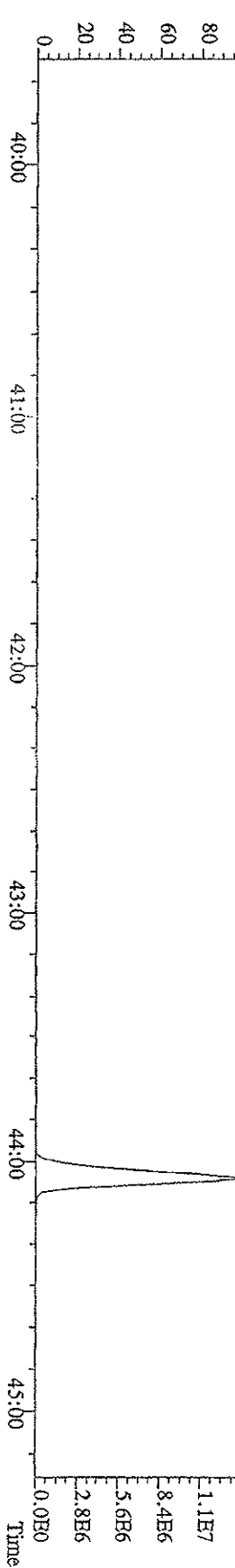
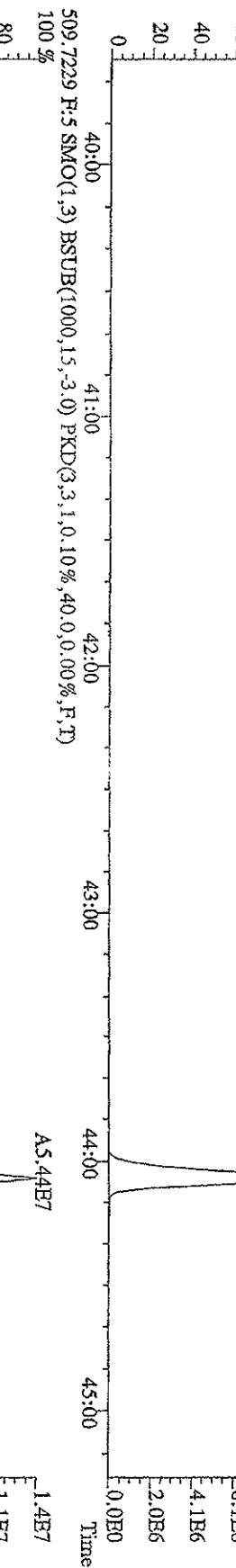
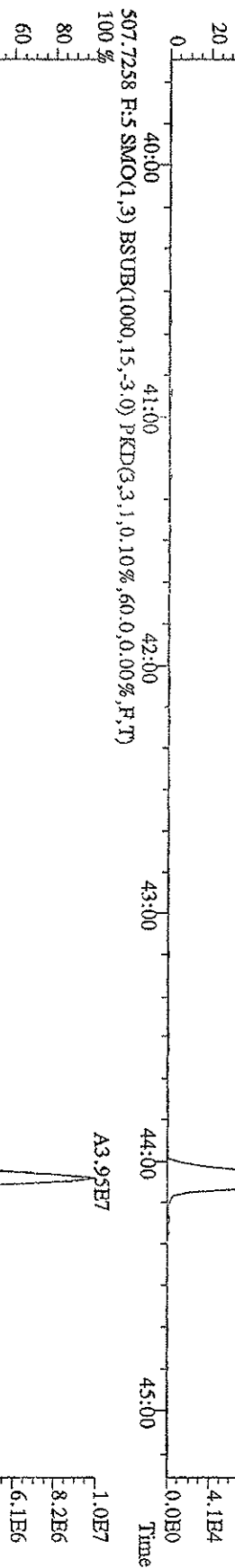
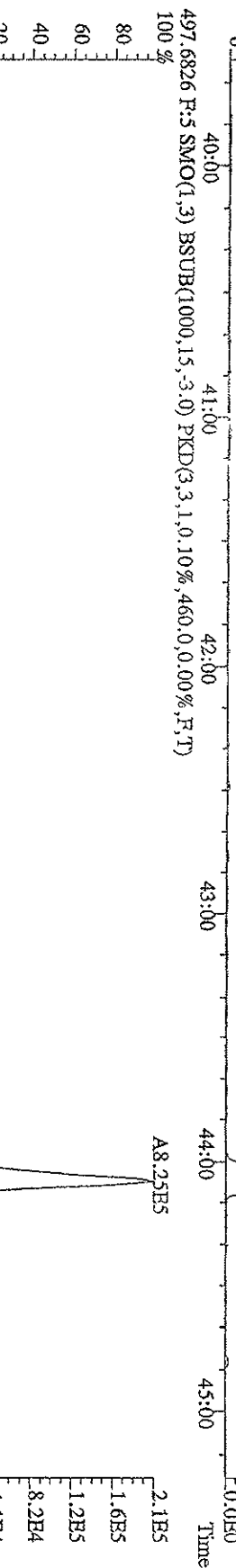
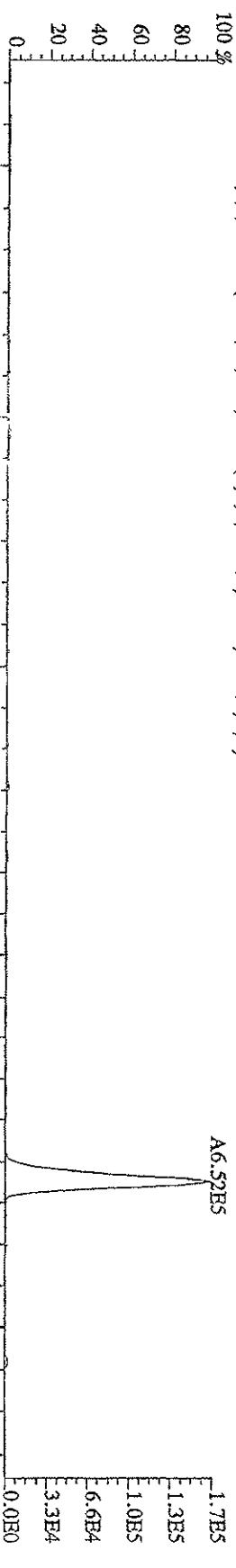
File:131A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 429.7606 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,816,0,0,00%,F,T)  
 100% A6.55E5



File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 461.7245 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,40,0,0,00%,F,T)  
 100% A6.17E5

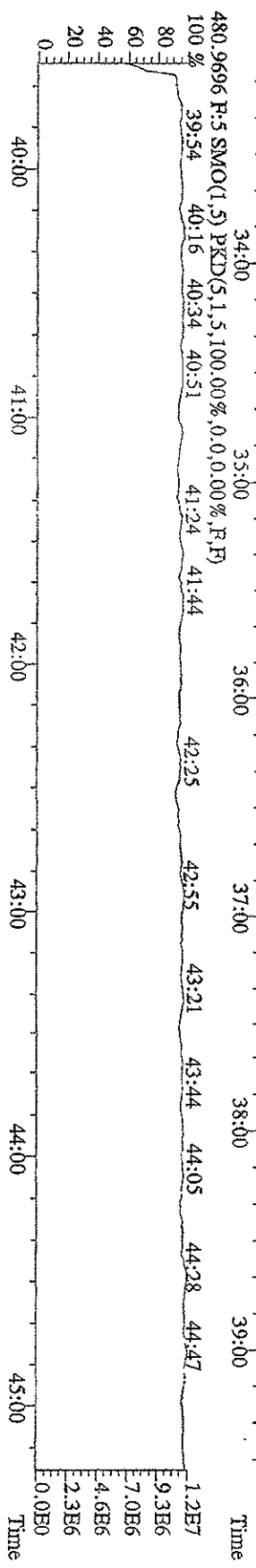
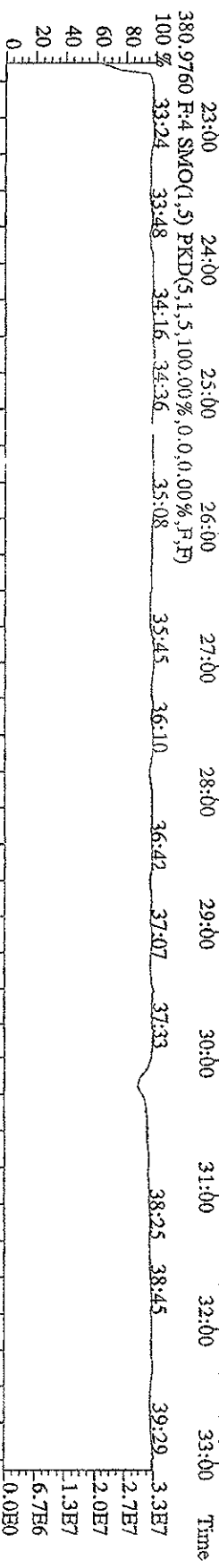
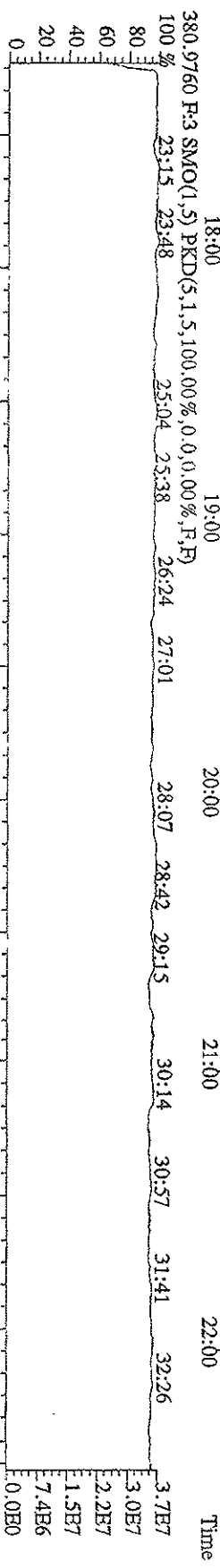
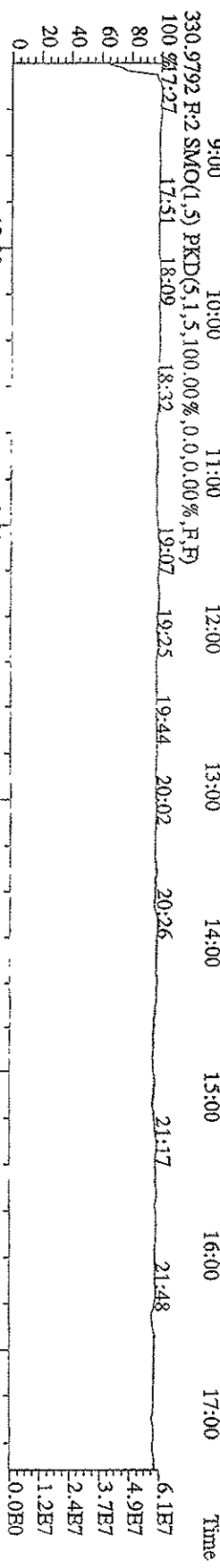
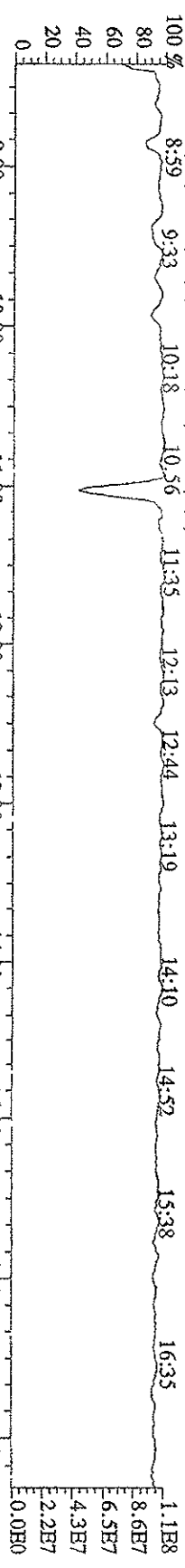


File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 495.6856 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKID(3,3,1,0,10%,420,0,0,00%,F,T)

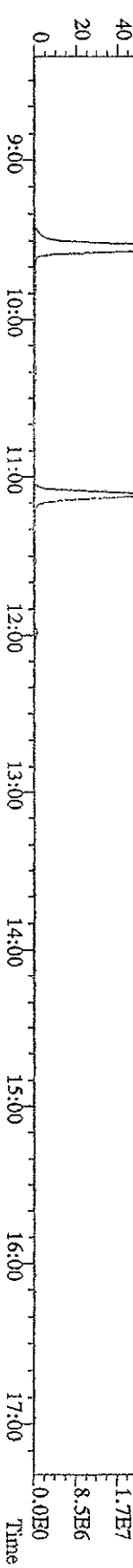
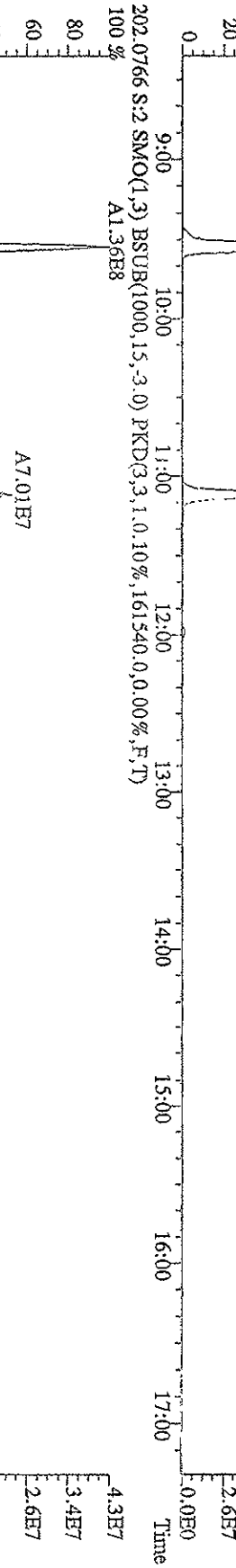
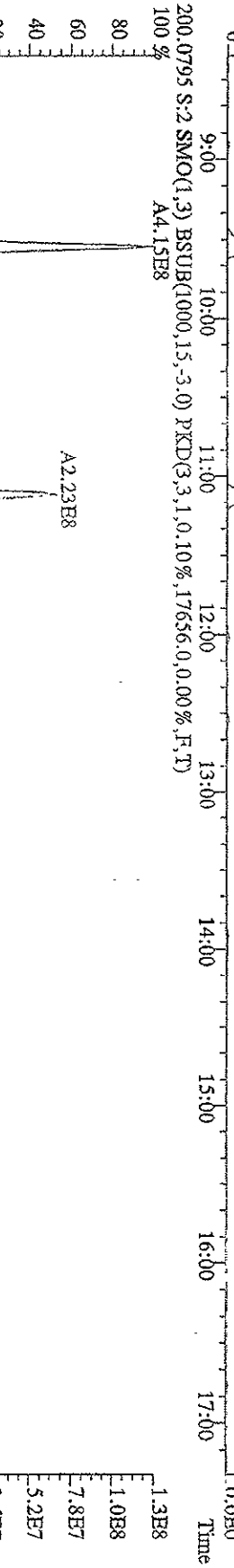
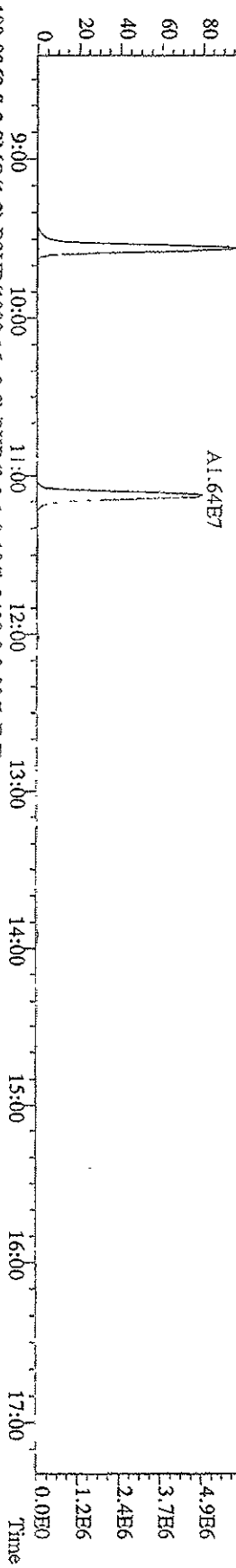


File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimah

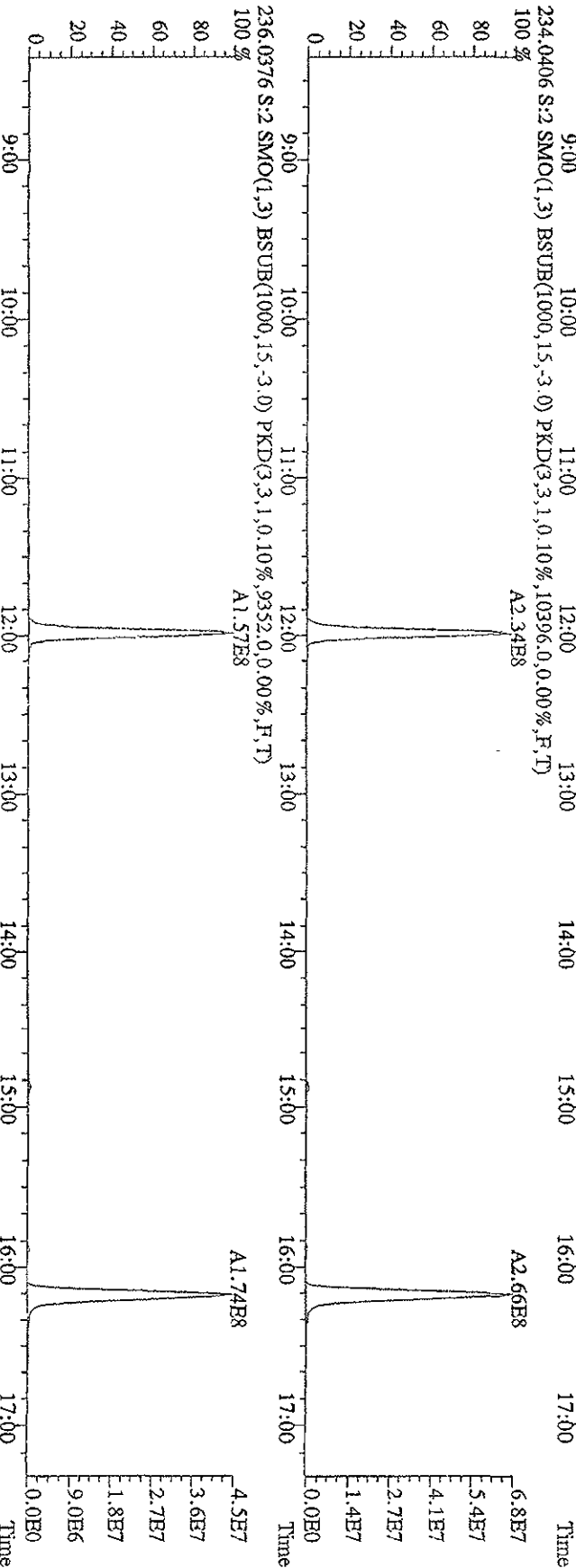
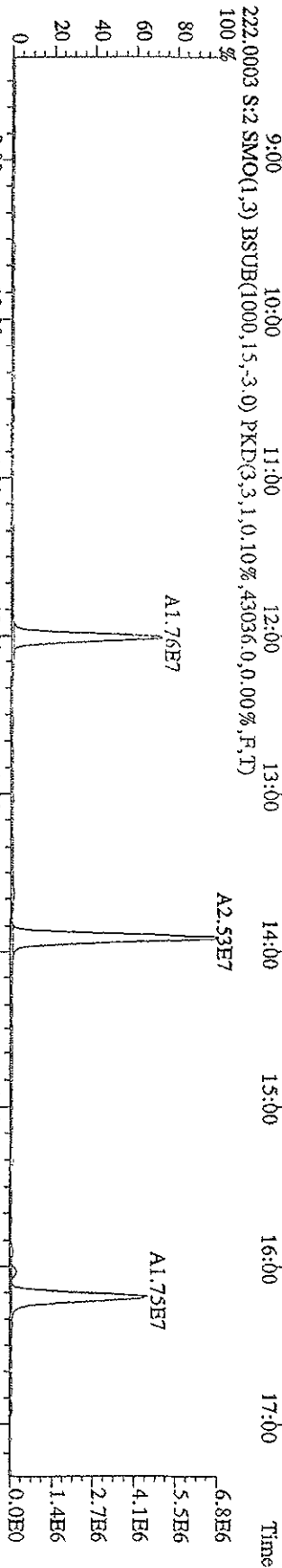
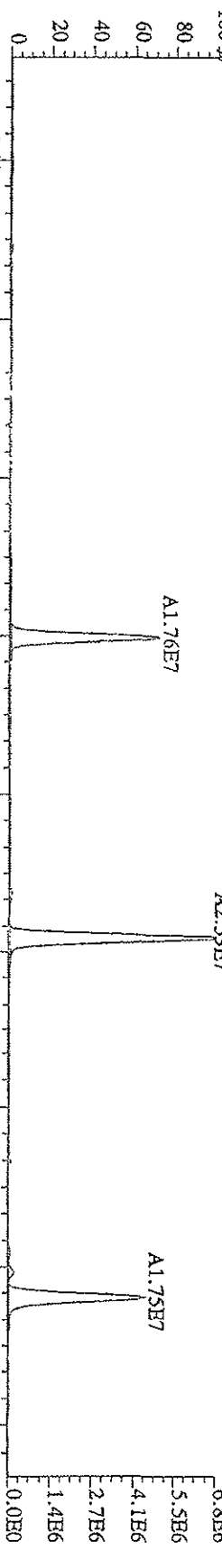
Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5



File: 151A09DD9D5 #1-609 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 188.0393 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5748,0,0,00%,F,T)  
 100% A1.95E7

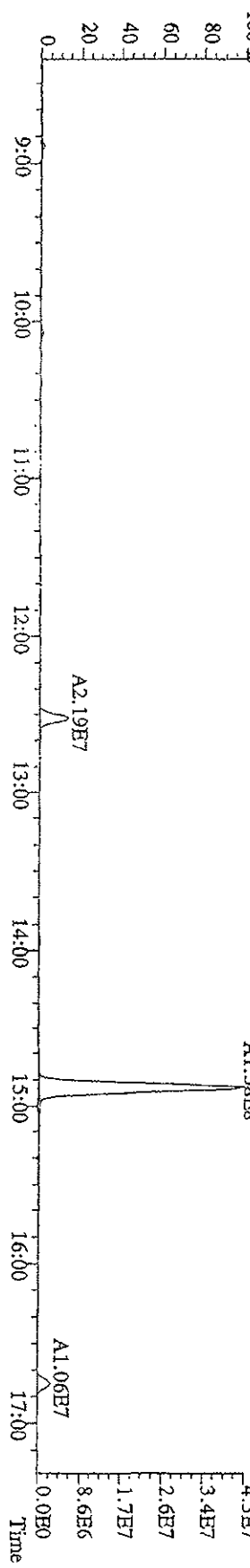
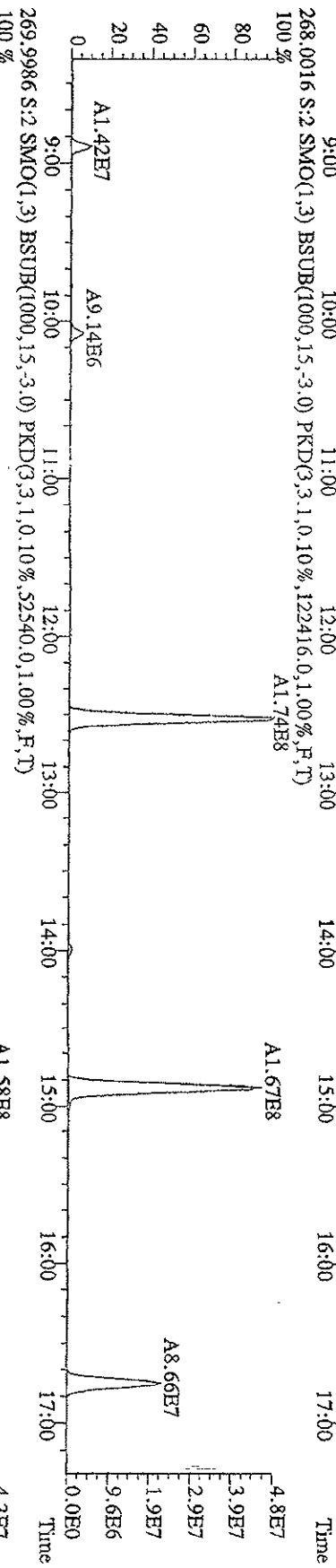
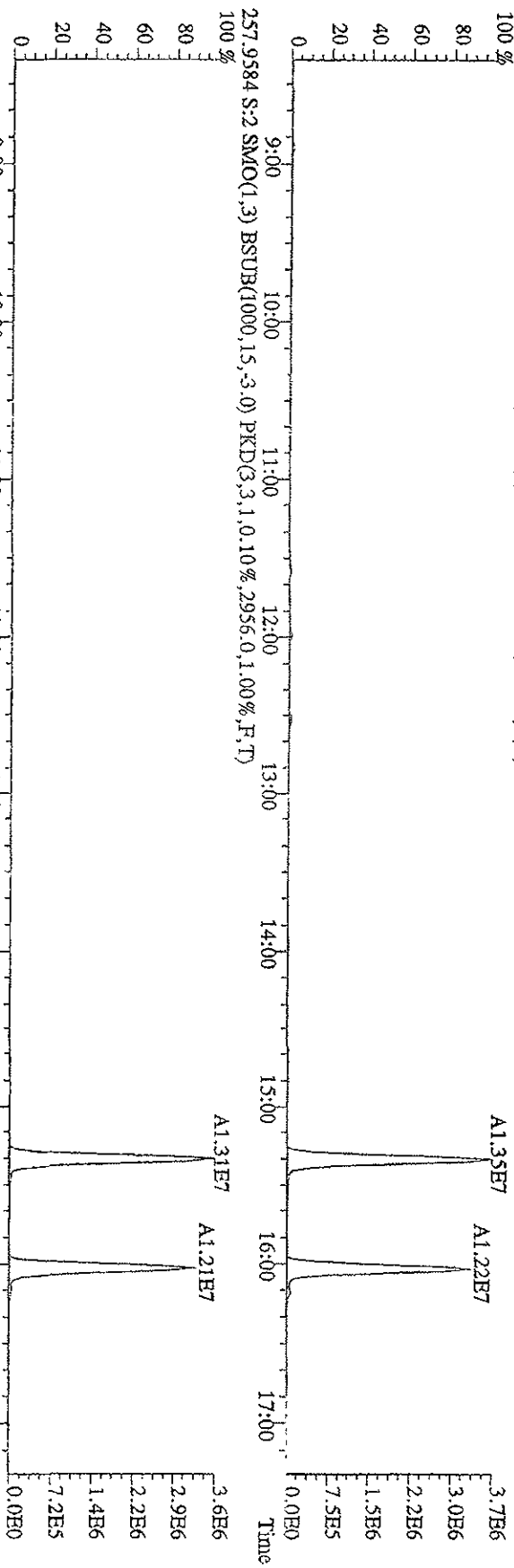


File:15IA09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC HI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 222.0003 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,43036,0,0,00%,F,T)

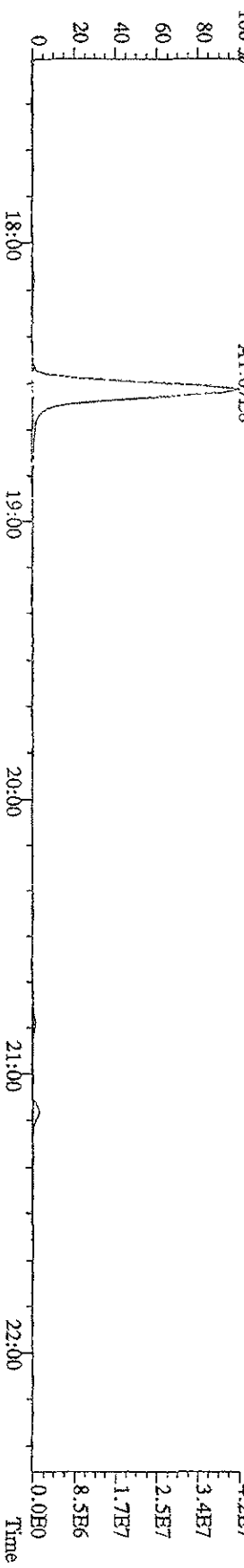
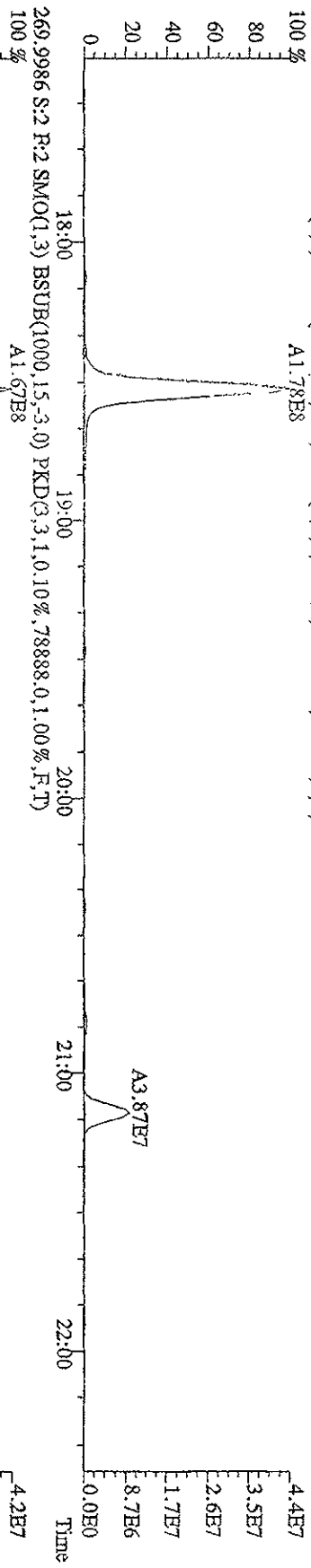
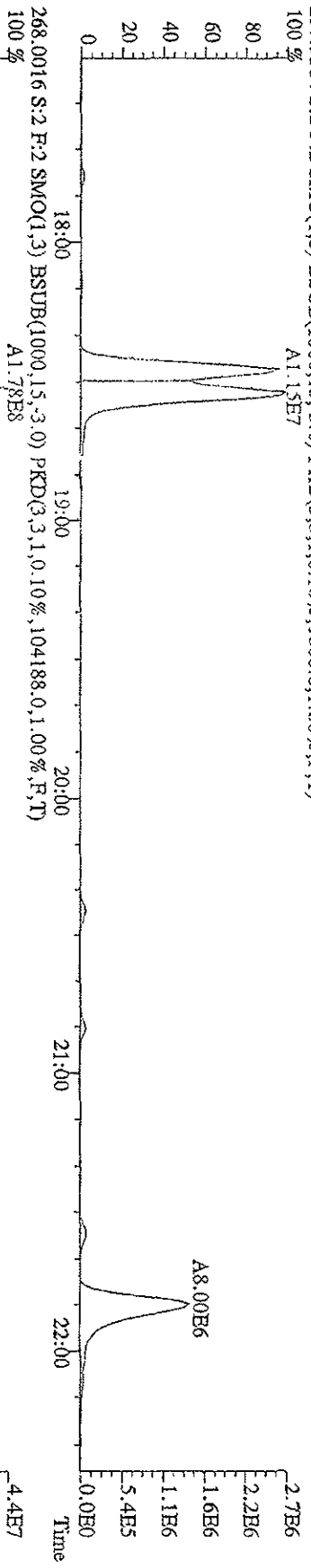
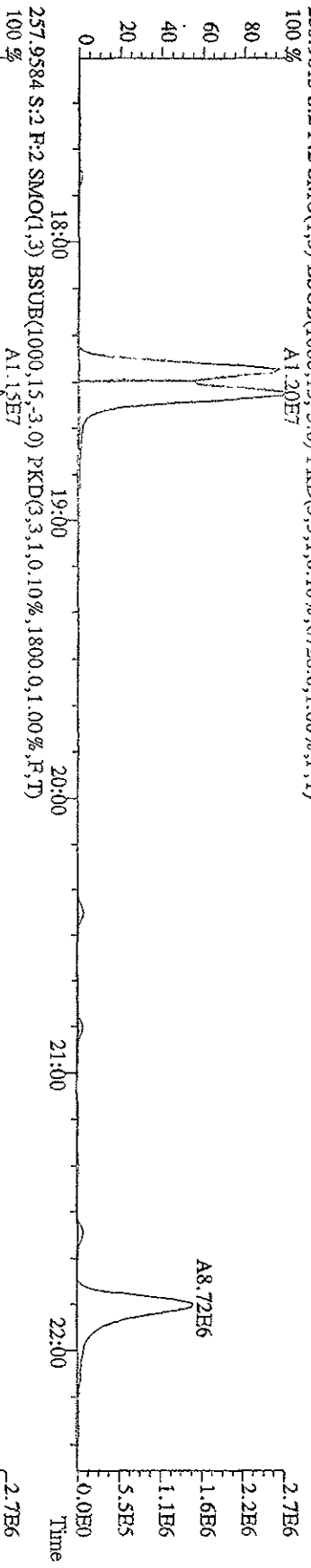




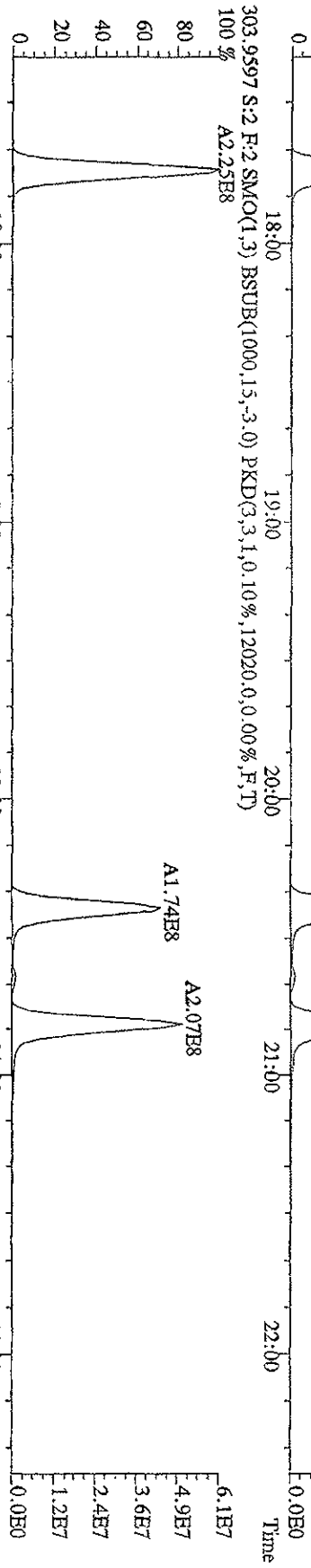
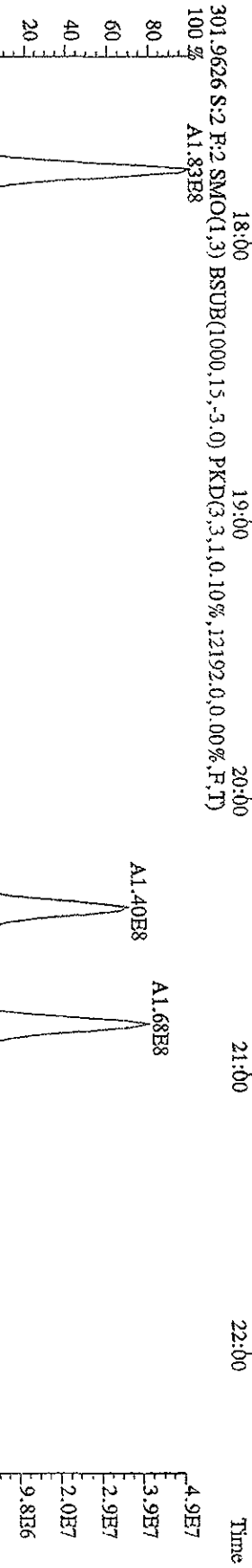
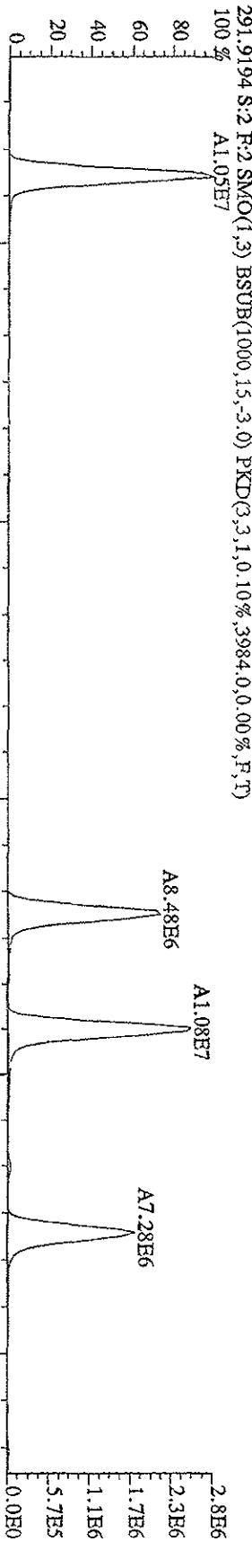
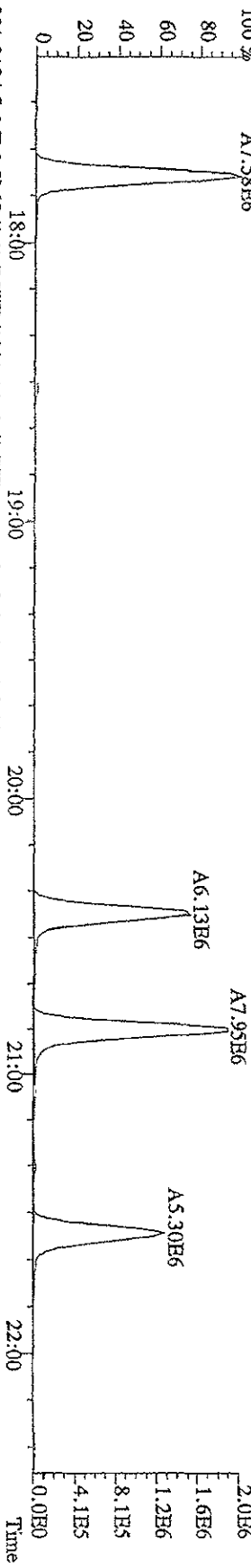
File:151A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 255.9613 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,6348,0.1,00%,F,T)



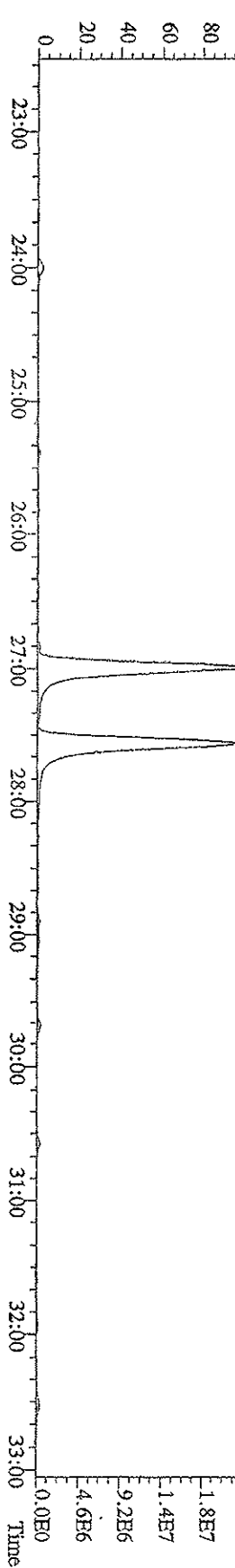
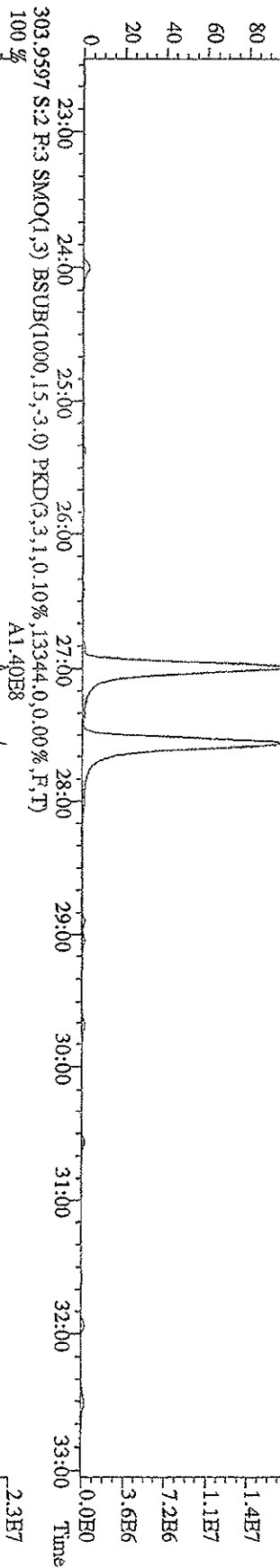
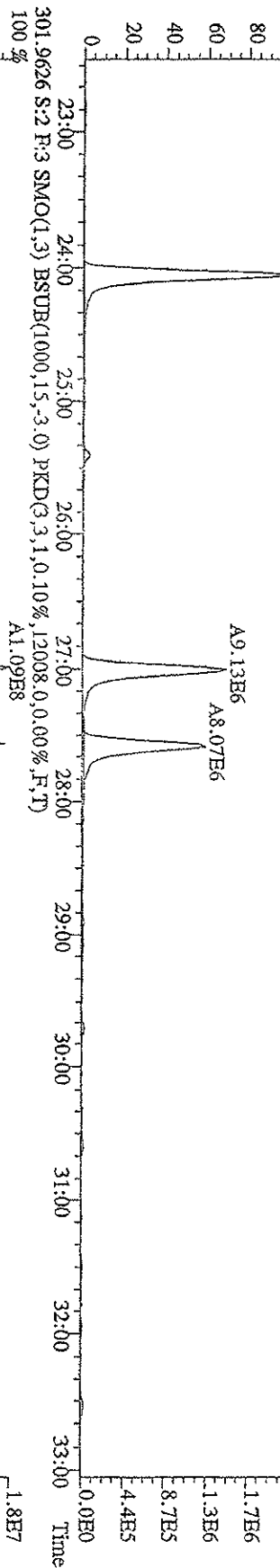
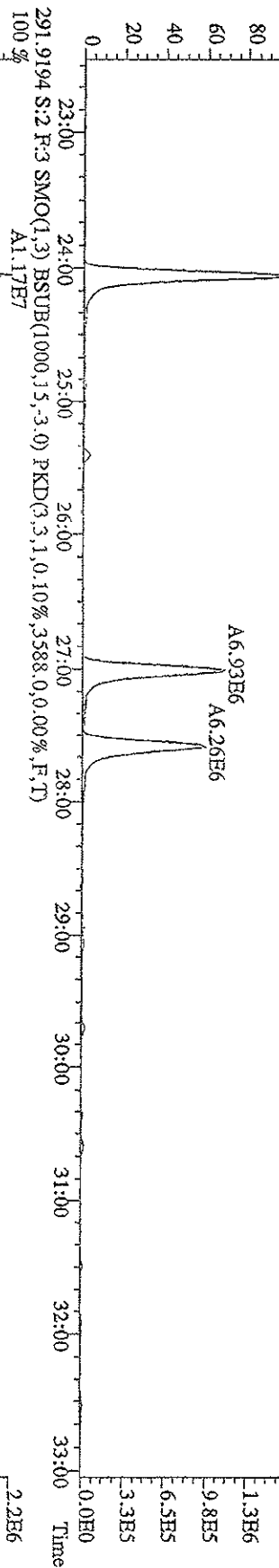
File:151A09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC HI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 255.9613 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,6728,0,1,00%,F,T)



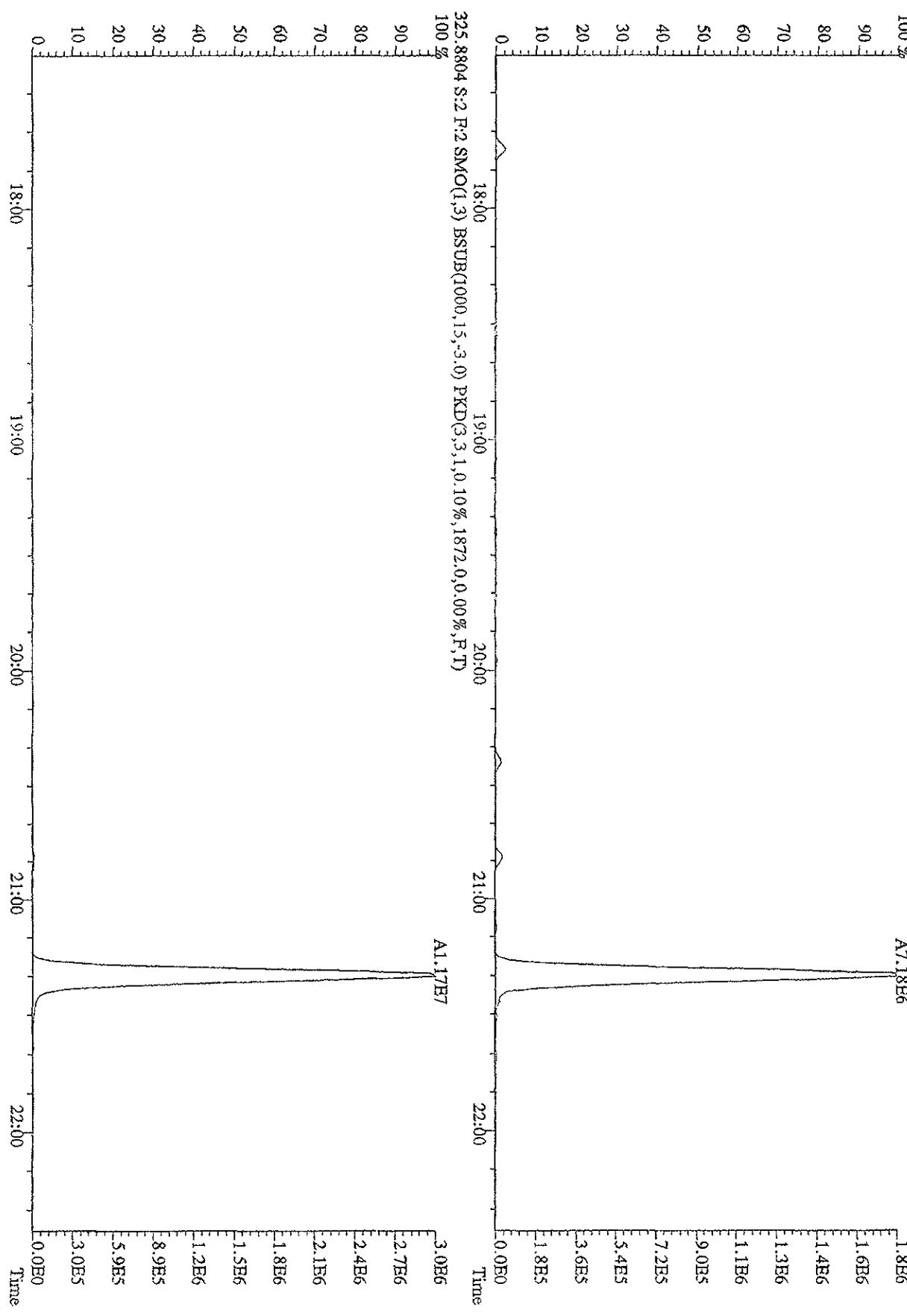
File:151A09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC HI + Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 289.9224 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3984,0,0,00%,F,T)  
 100% A7.58E6



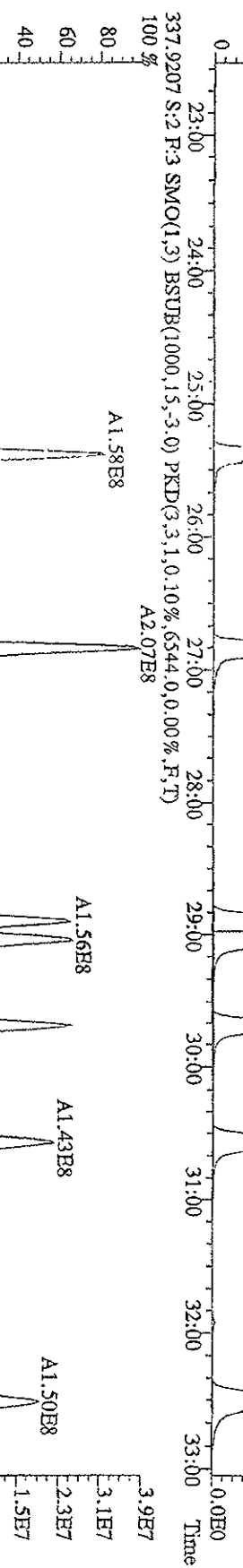
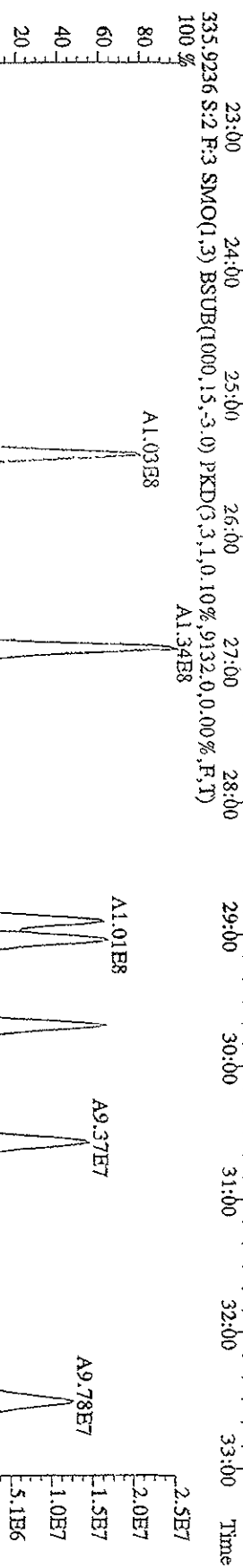
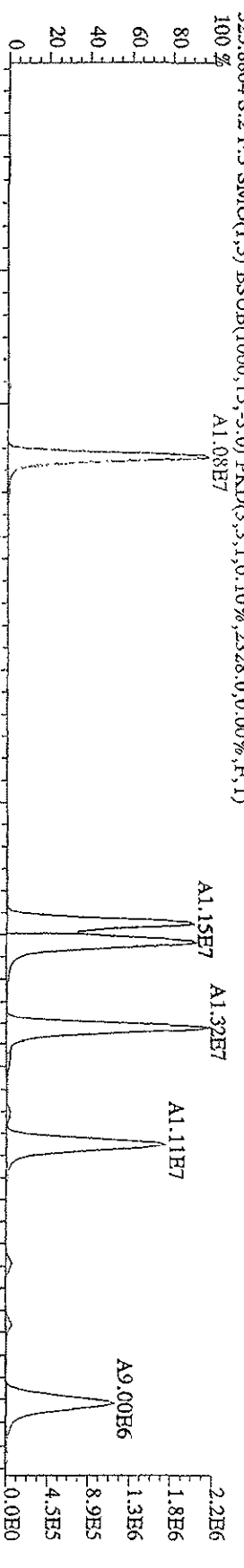
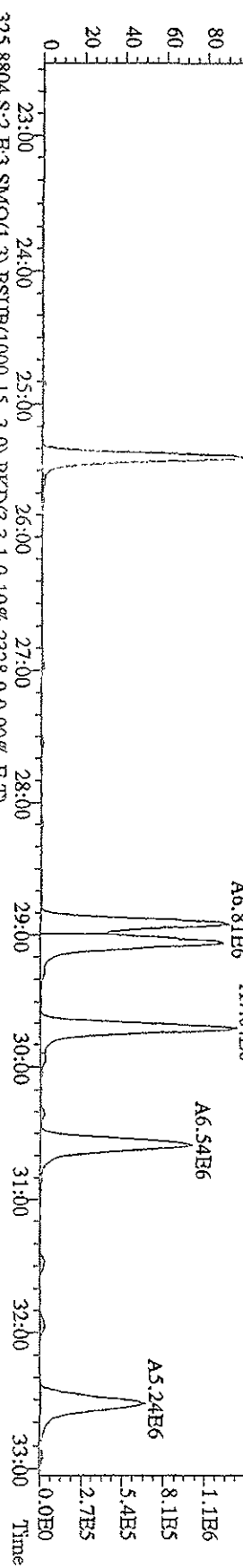
File:15JA09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI + Voltage STR Autospec-UltimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2360,0.0,0.00%,F,T)  
 100 % A8.70E6



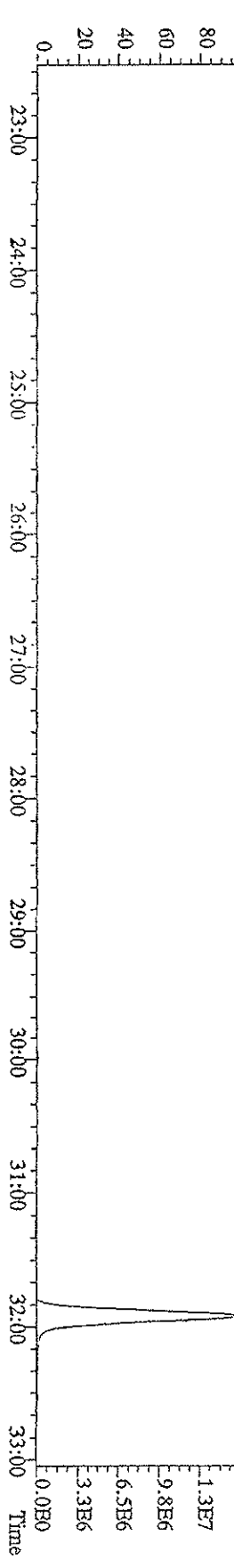
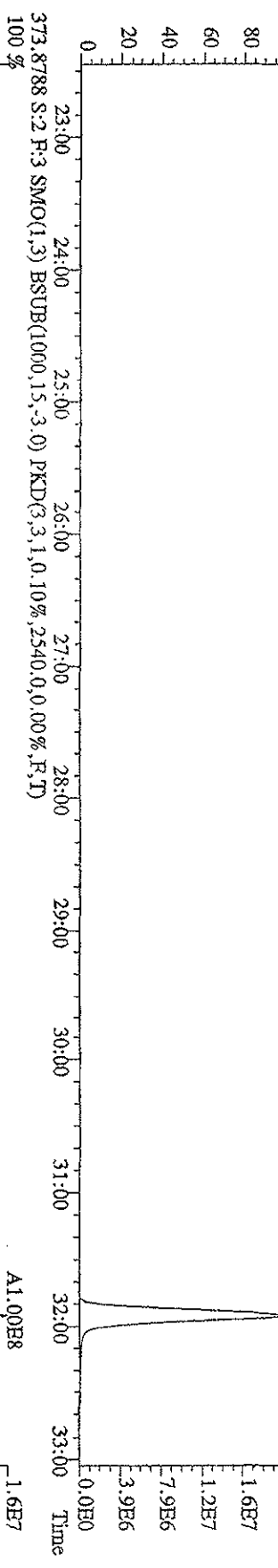
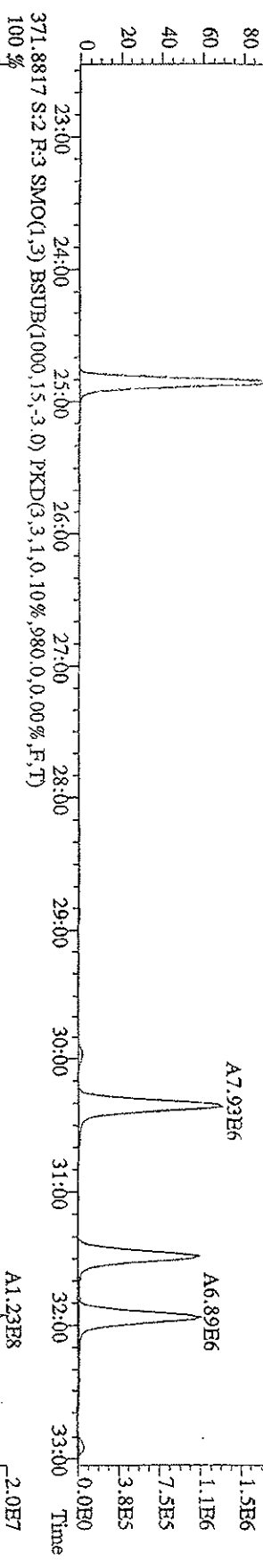
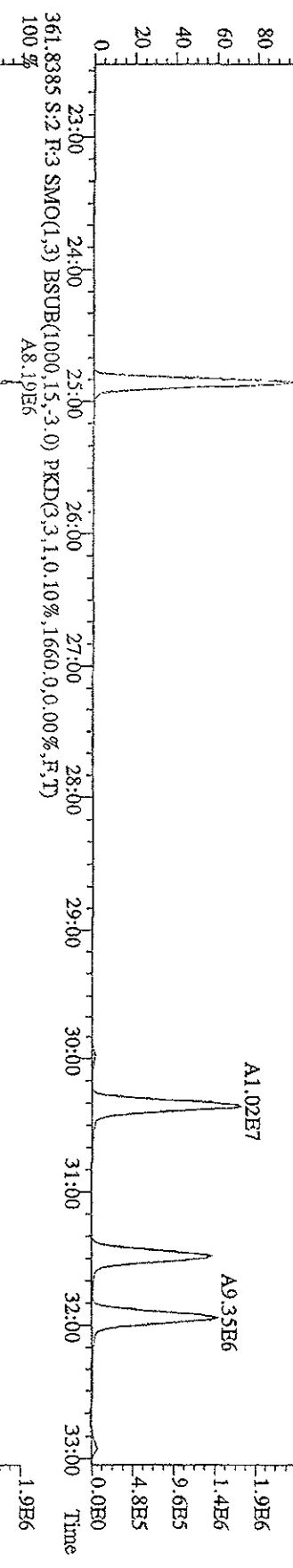
File:15JA09DD5 #1-371 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 325.8834 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2132,0,0:00%,F,T)



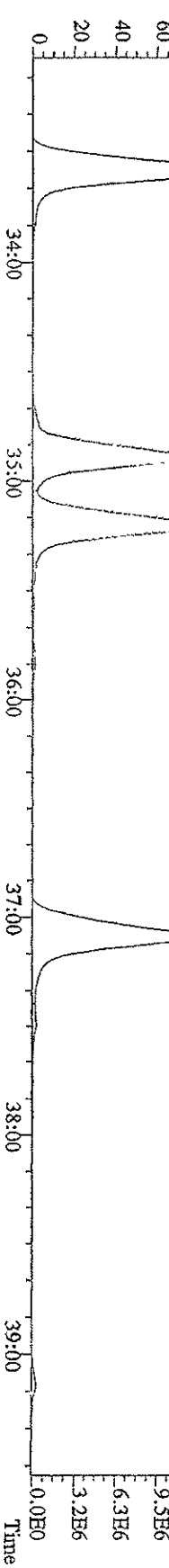
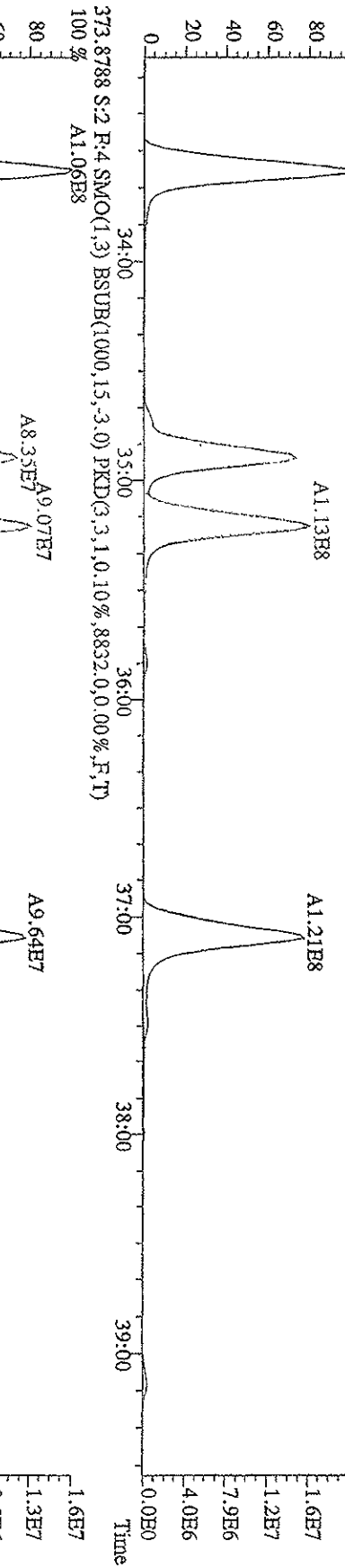
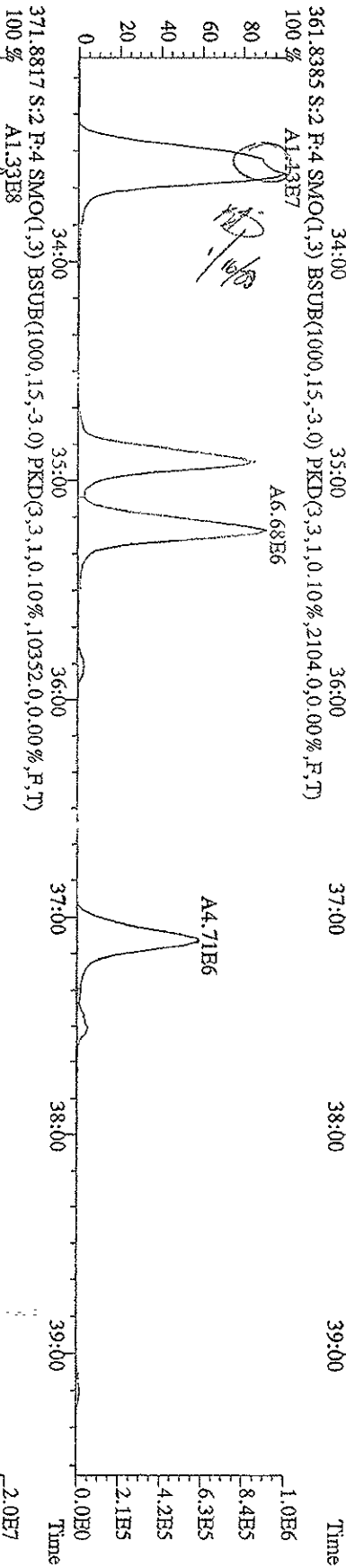
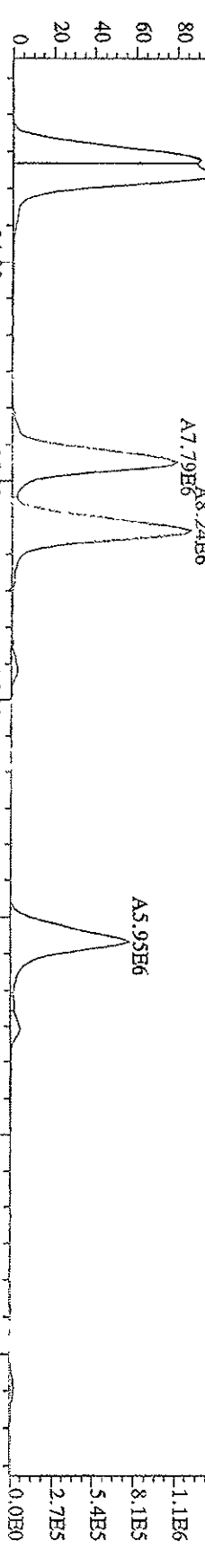
File:151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EF+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3240,0,0.00%,F,T)



File:151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359.8415 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1556,0,0.00%,F,T)  
 100%

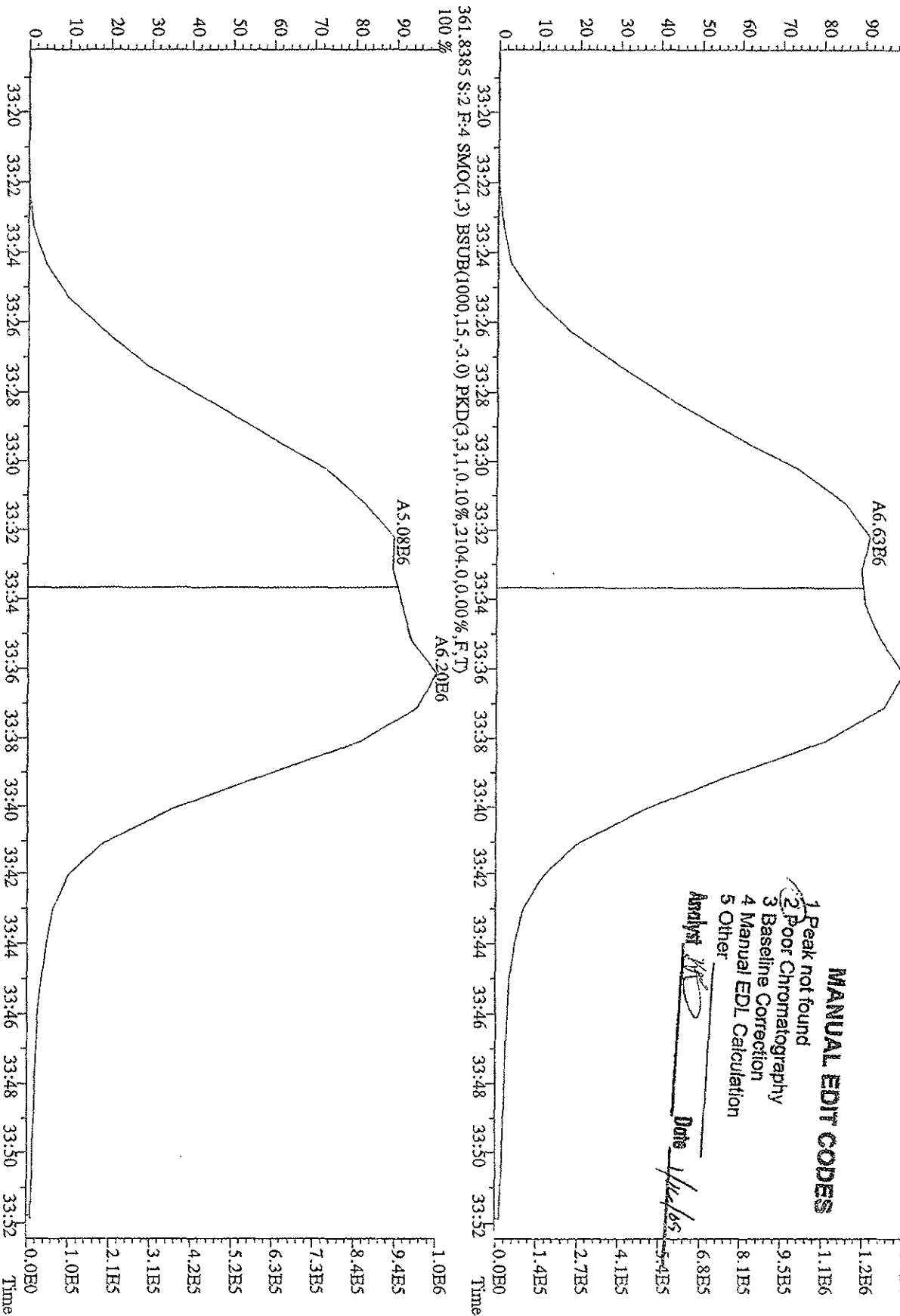


File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 359,8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2520,0,0,00%,F,T)  
 100% A8.65E6





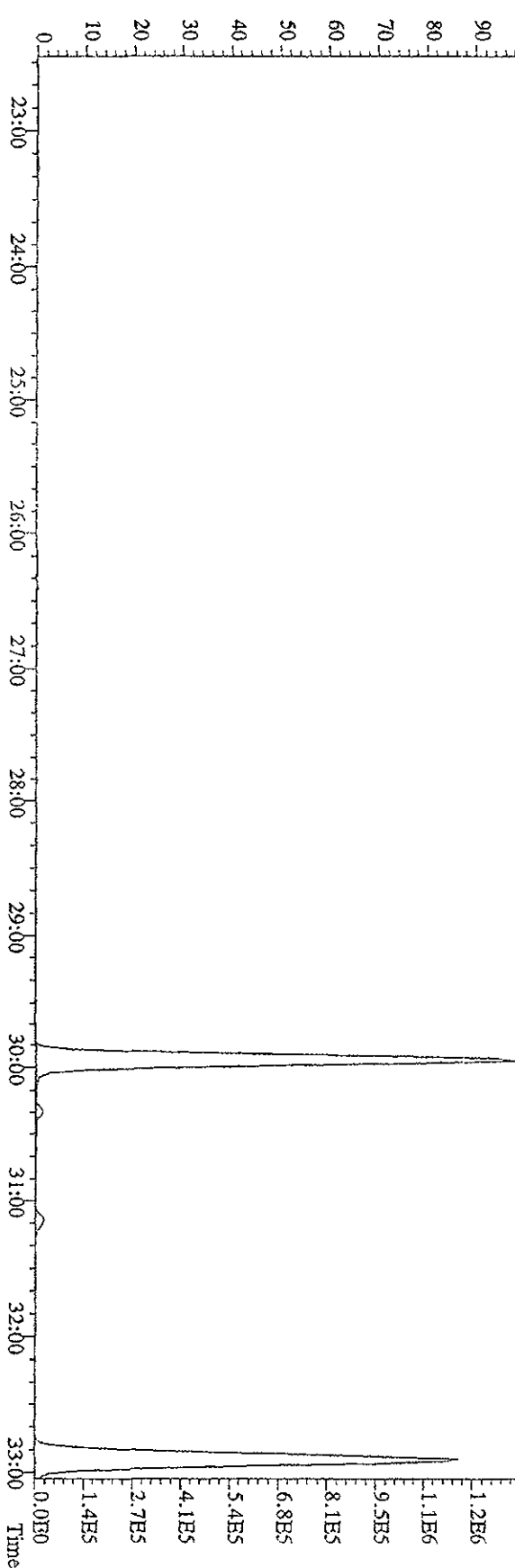
File:15JA09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI + Voltage SFR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359,8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2520,0,0,00%,F,T)  
 100 %



File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text: ST0115A .CS2 09DXN015 Exp: 209DB5  
 395.8025 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4140,0,0,00%,F,T) 100%

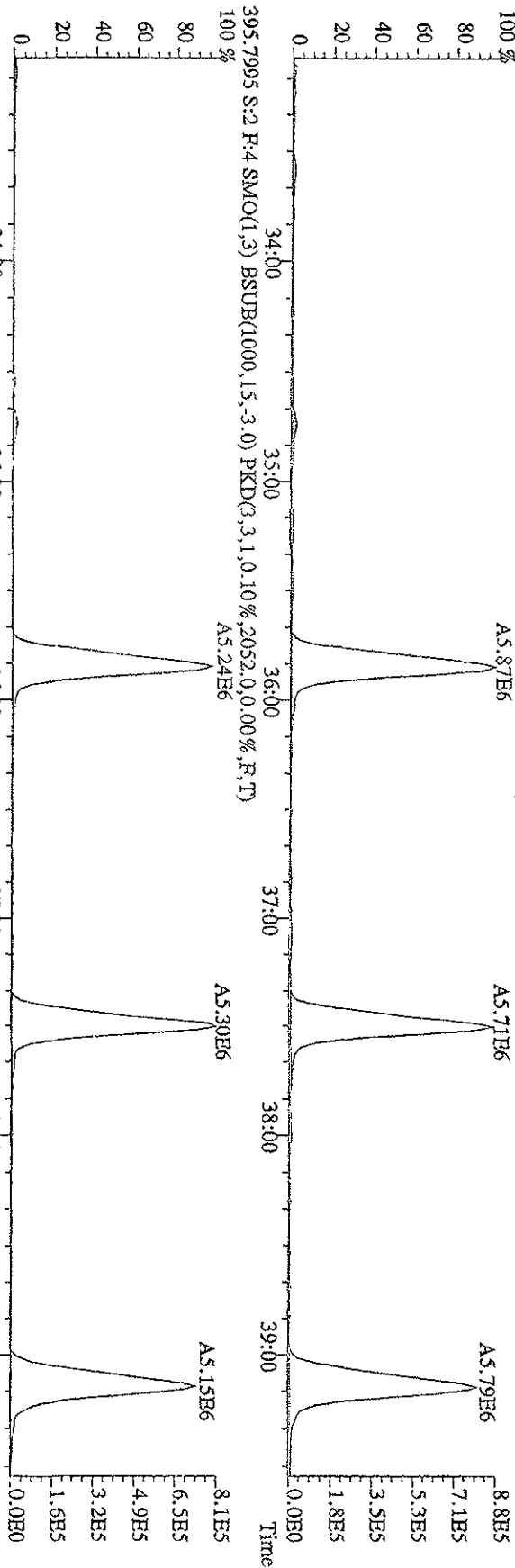


395.7995 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1036,0,0,00%,F,T) 100%

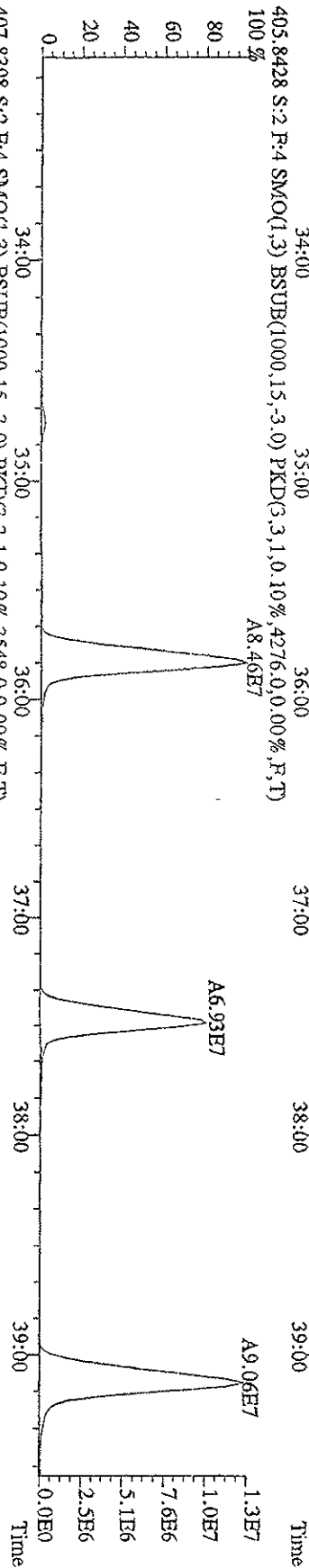


File:15IA09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DBS

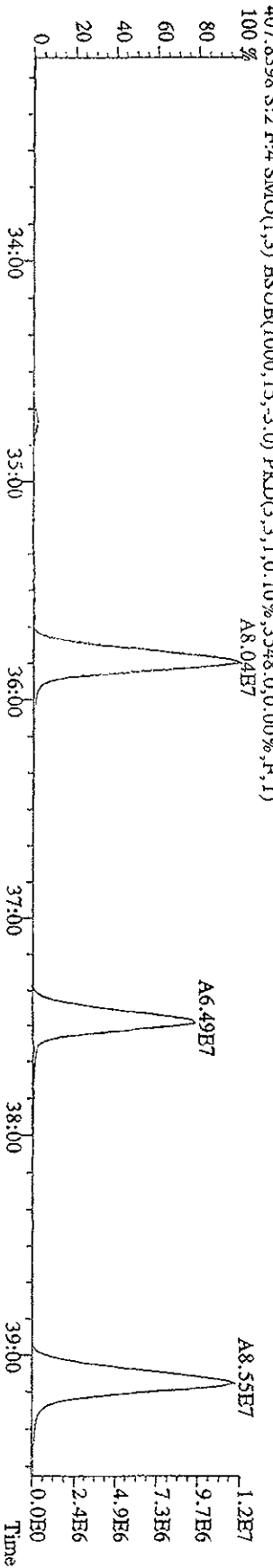
395.7995 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,4600,0.0,0.00%,F,T)  
 100 %



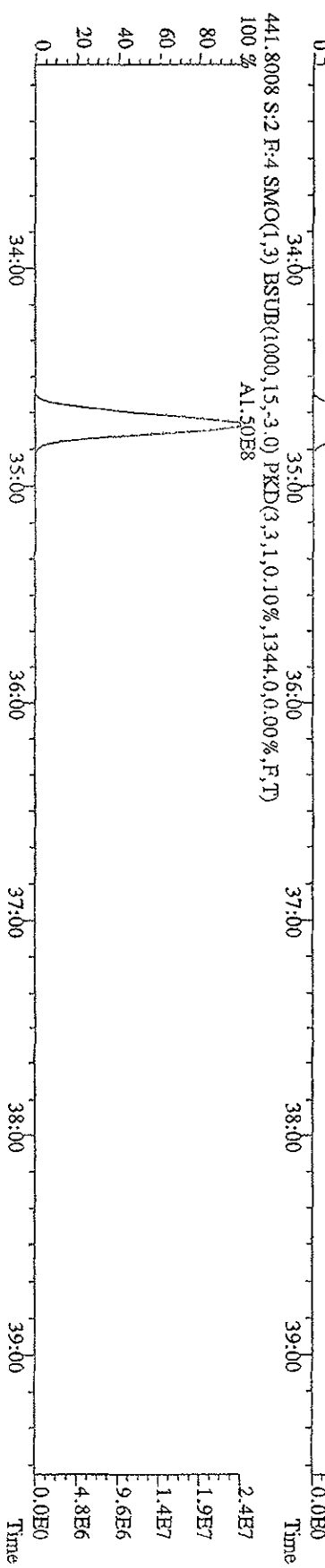
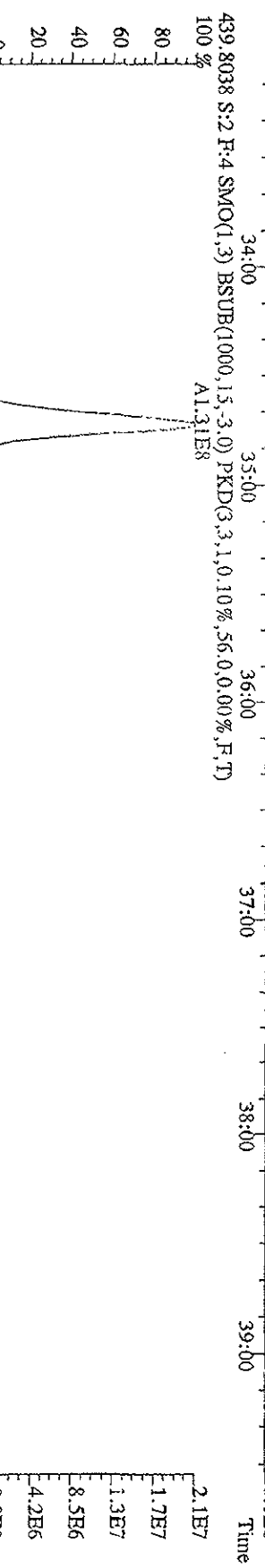
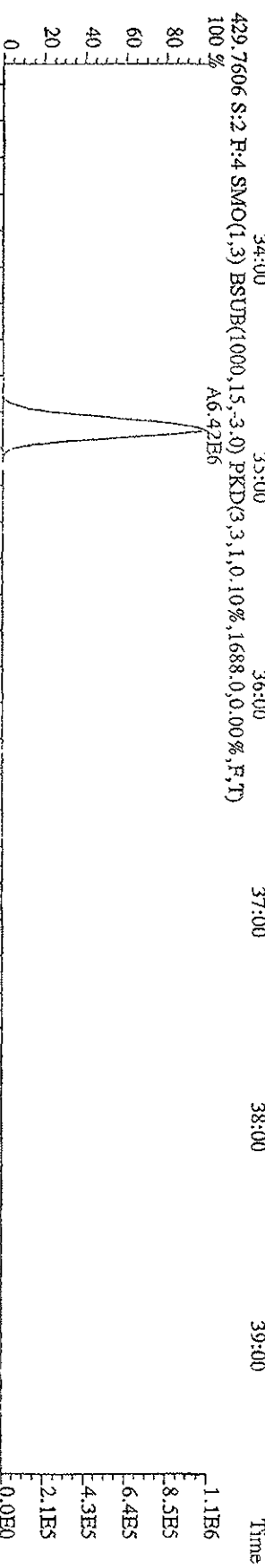
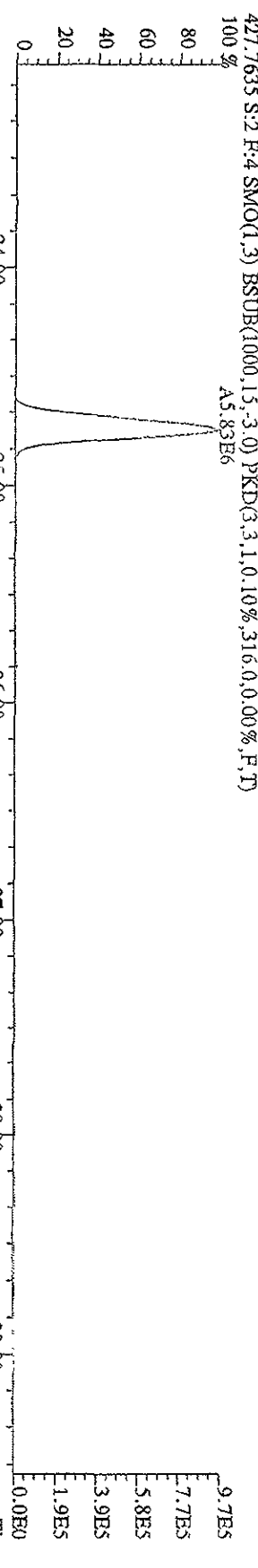
405.8428 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,4276,0.0,0.00%,F,T)  
 100 %



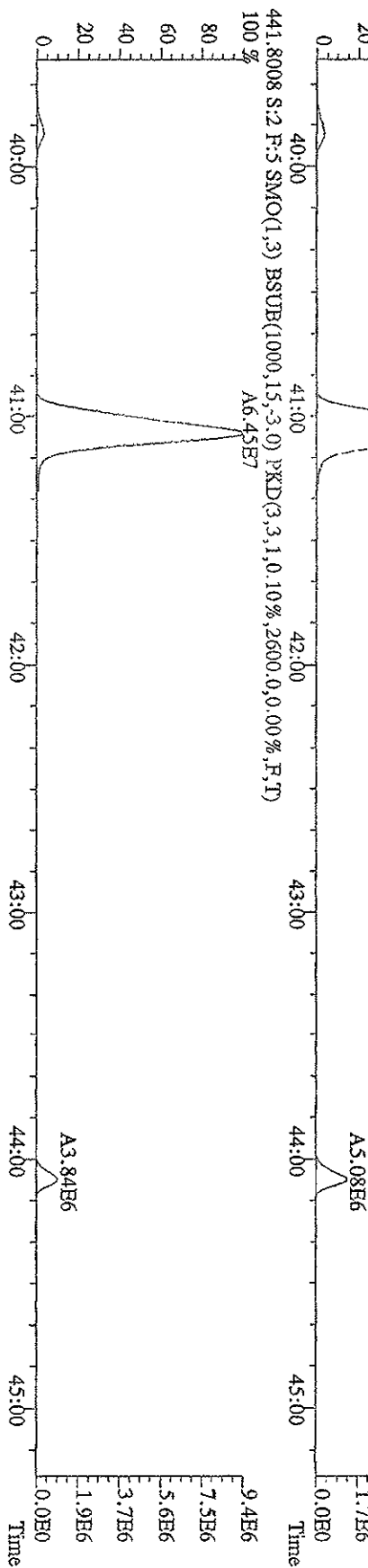
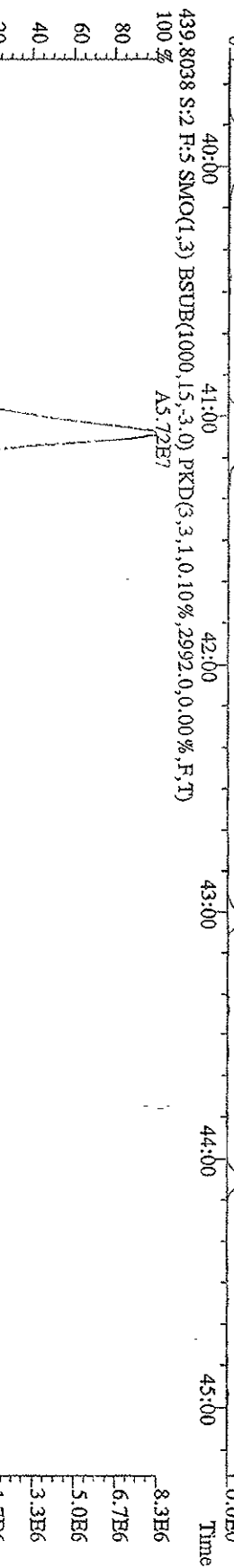
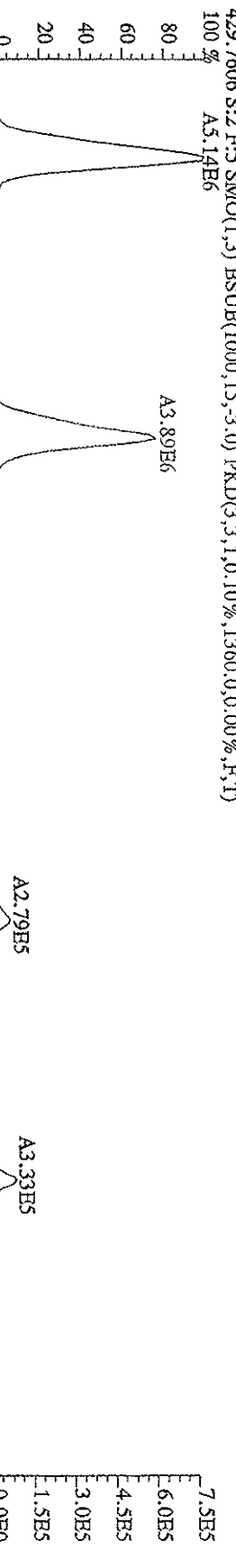
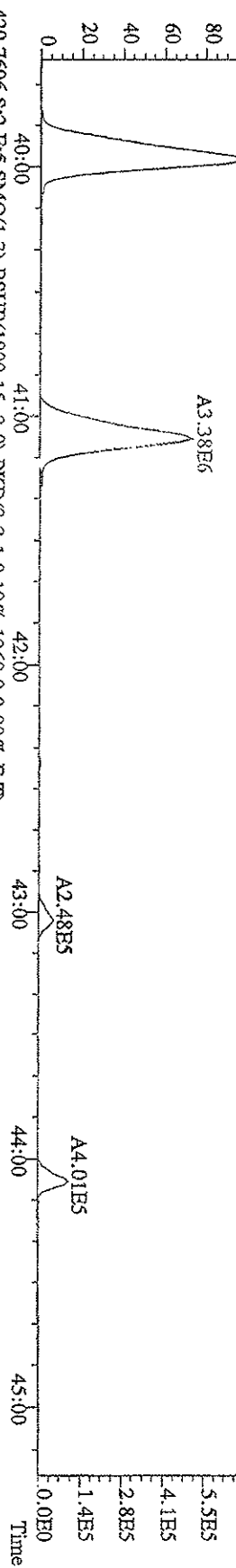
407.8398 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,3548,0.0,0.00%,F,T)  
 100 %



File: 151A09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage 51V Autospec-UltimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5



File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-UltimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 427.7635 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,592.0,0.00%,F,T)  
 100 % A4.58E6

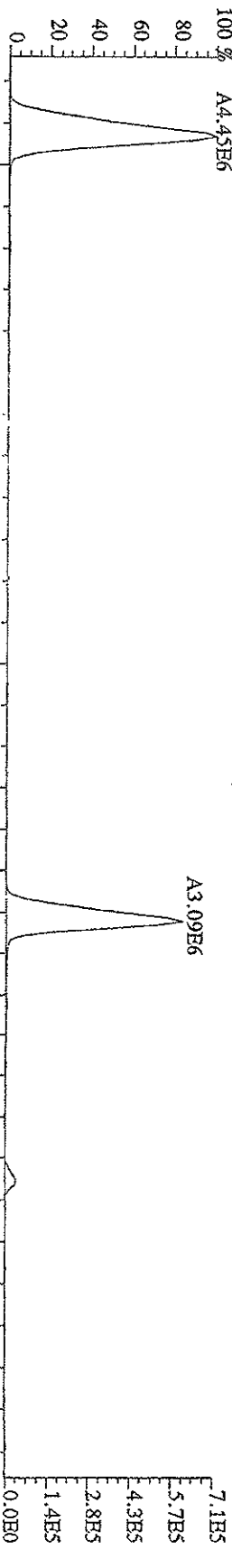


File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate

Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209IDB5

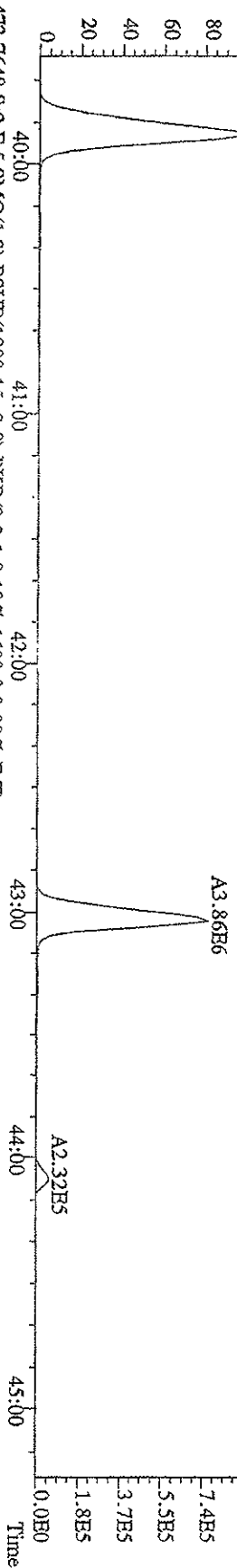
461.7245 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,460,0,0,00%,F,T)

100% A4:45E6



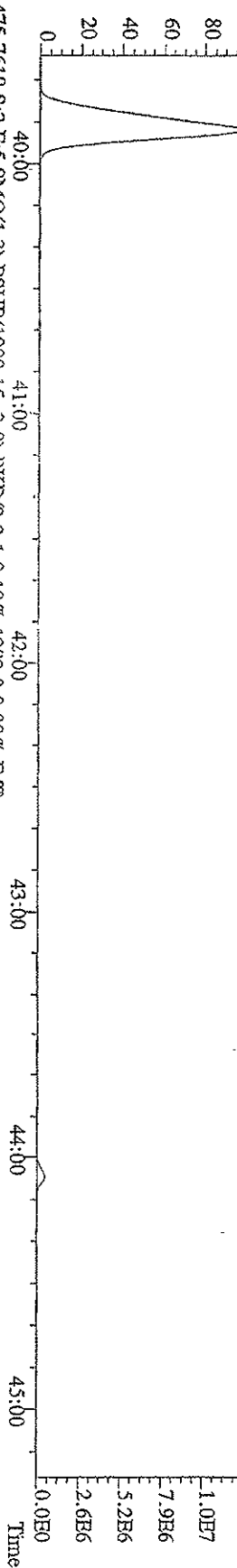
463.7216 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,420,0,0,00%,F,T)

100% A5:63E6



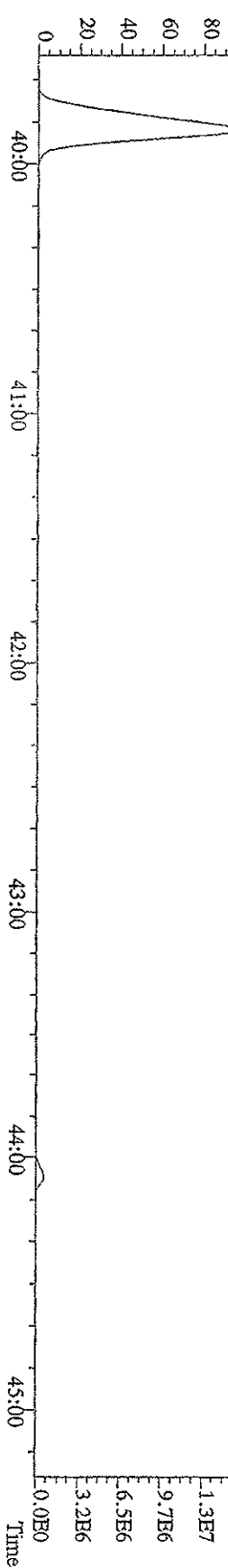
473.7648 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1600,0,0,00%,F,T)

100% A8:25E7

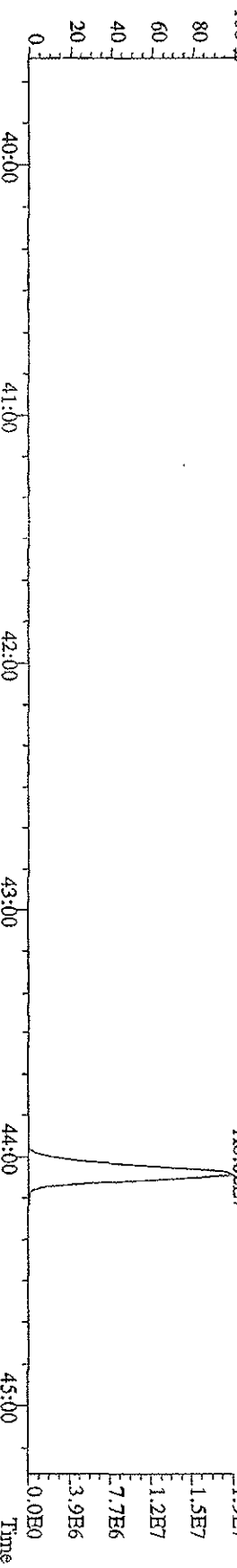
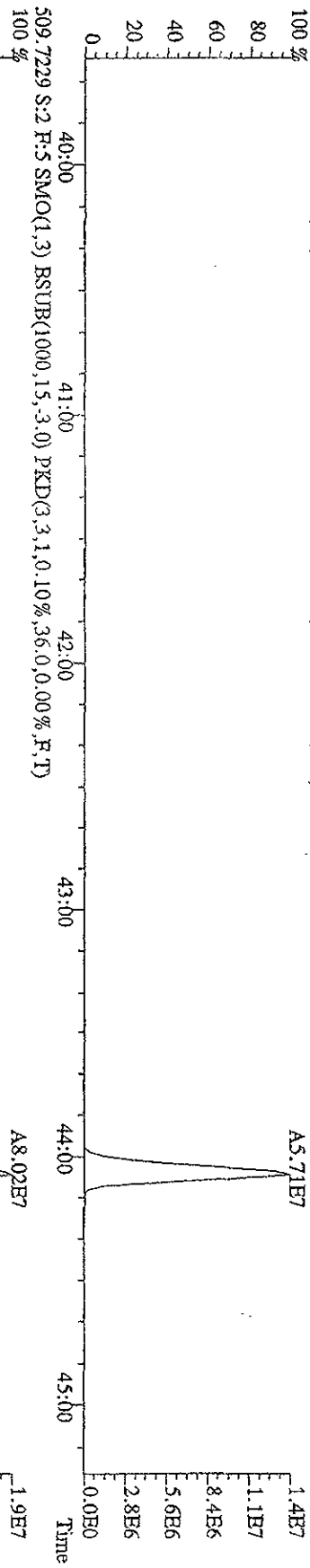
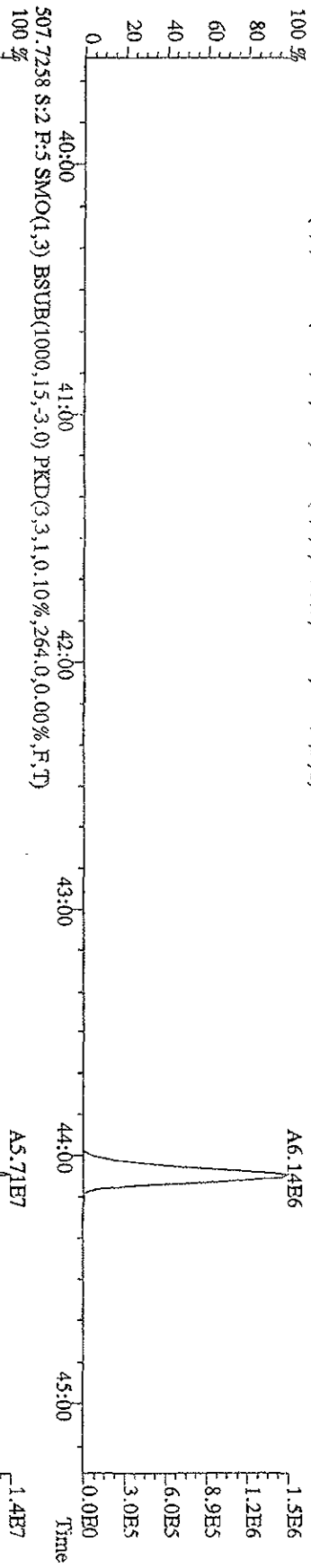
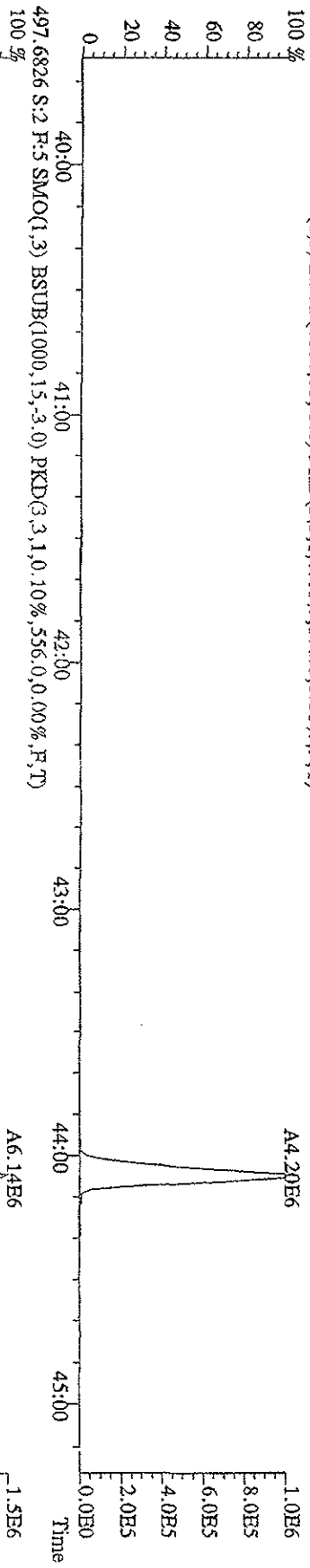


475.7619 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1392,0,0,00%,F,T)

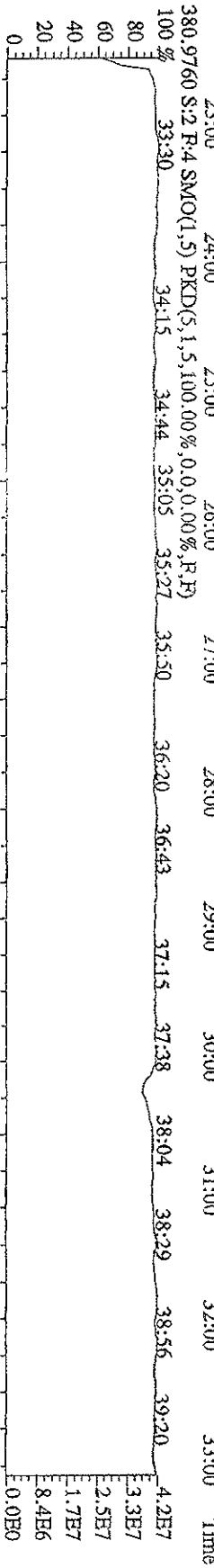
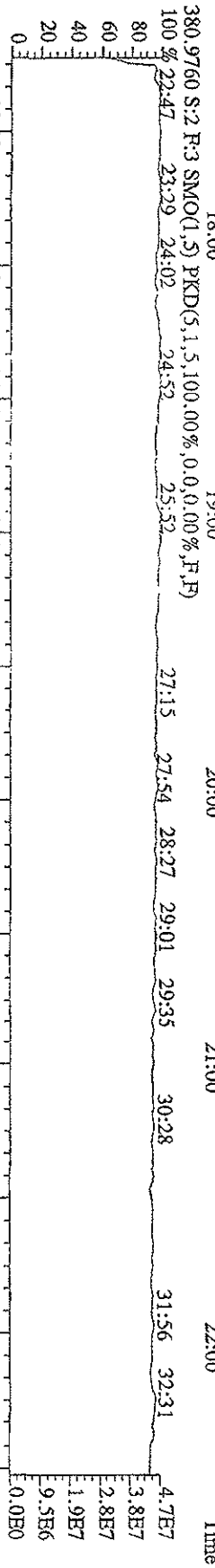
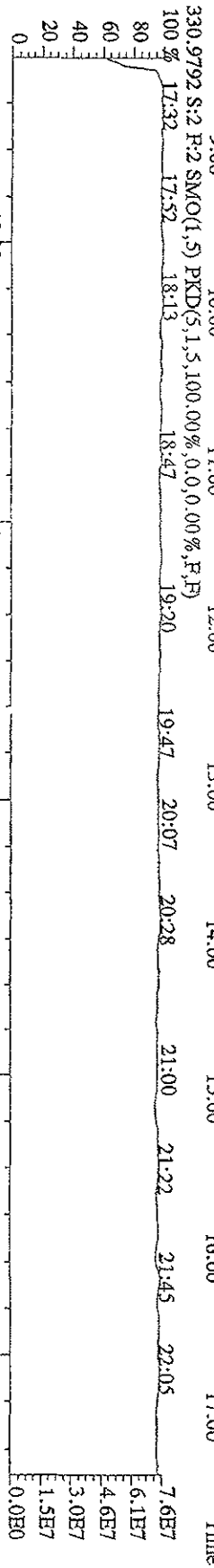
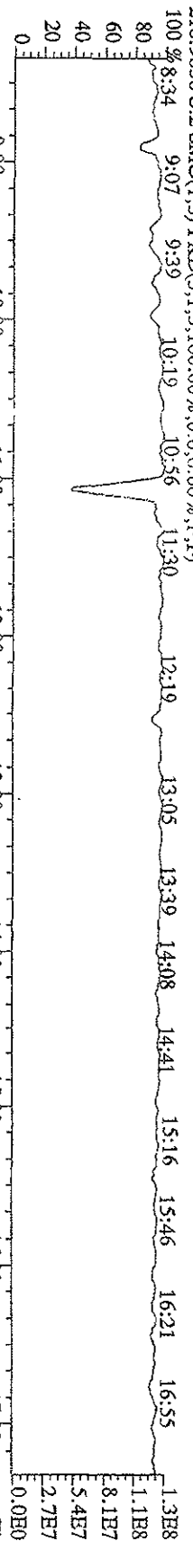
100% A1:03E8



File: 15JA09DD9D5 #1-379 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 497.6826 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,876,0,0,00%,F,T)



File:151A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UUltimaB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5





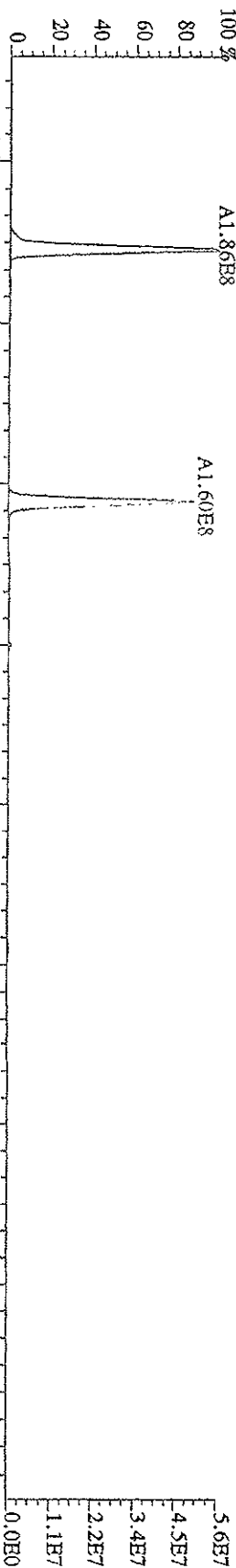
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC:EI+ Voltage:51P Autospec-UltraME

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

188.0393 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7580,0,0,00%,F,T)

100% A1.86E8

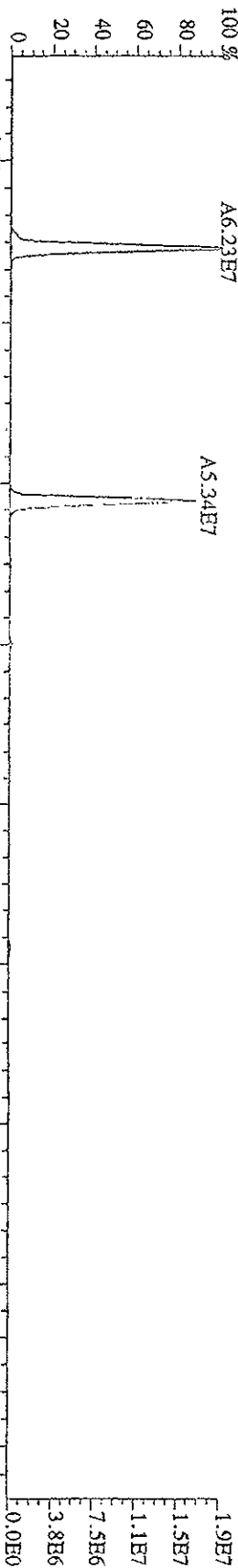
A1.60E8



190.0363 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5036,0,0,00%,F,T)

100% A6.23E7

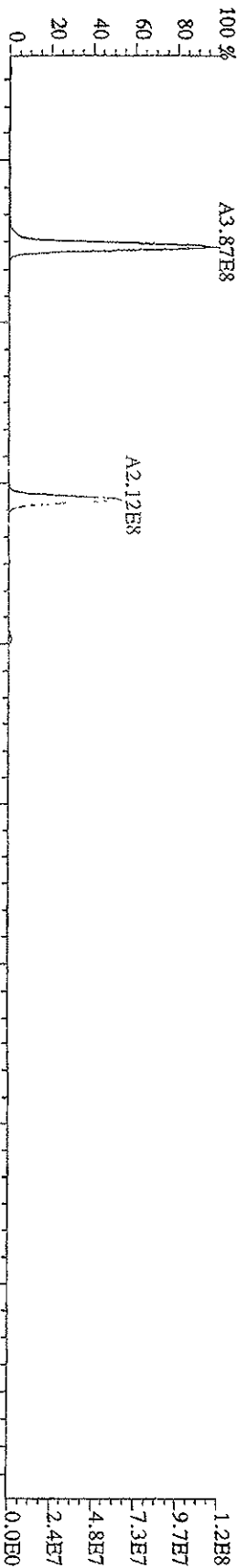
A5.34E7



200.0795 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,15976,0,0,00%,F,T)

100% A3.87E8

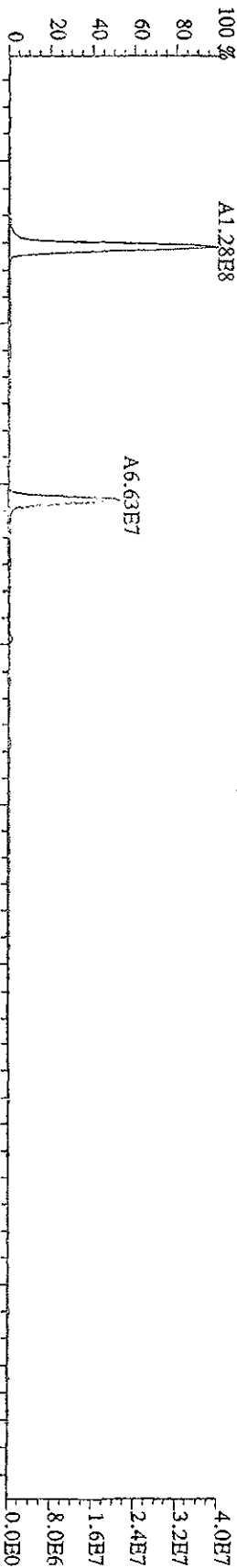
A2.12E8



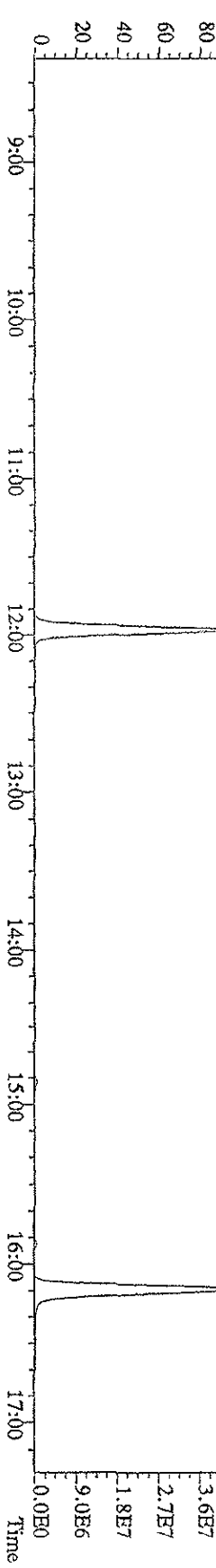
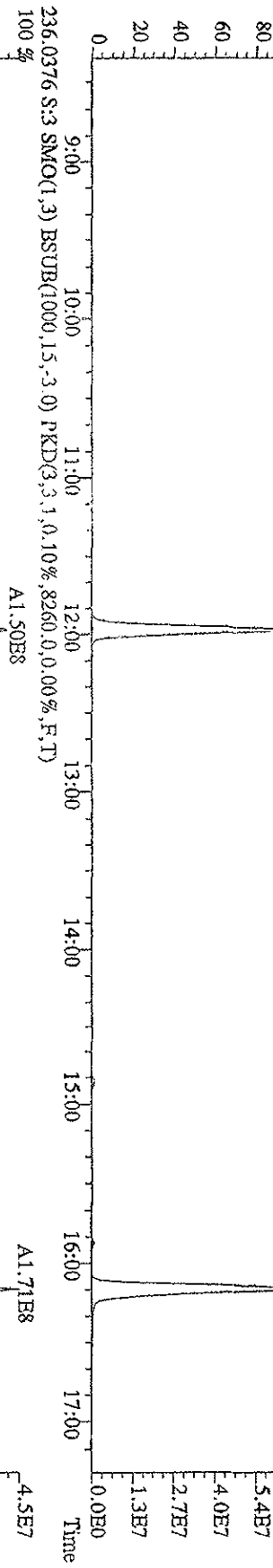
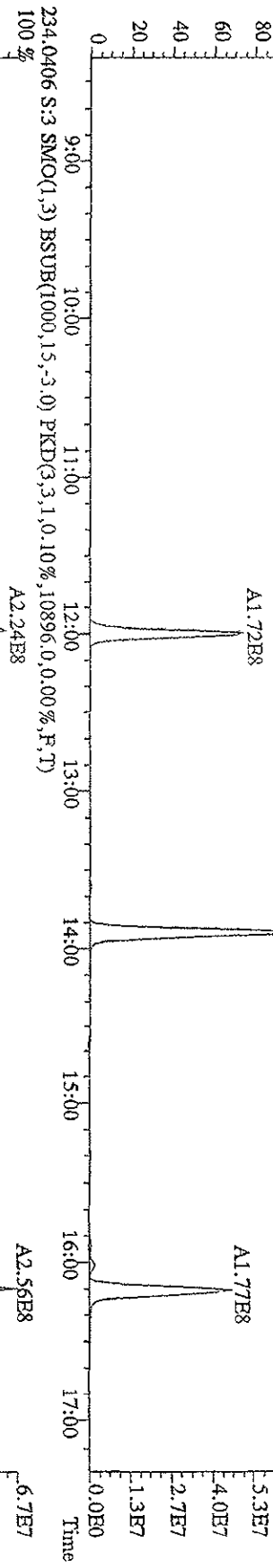
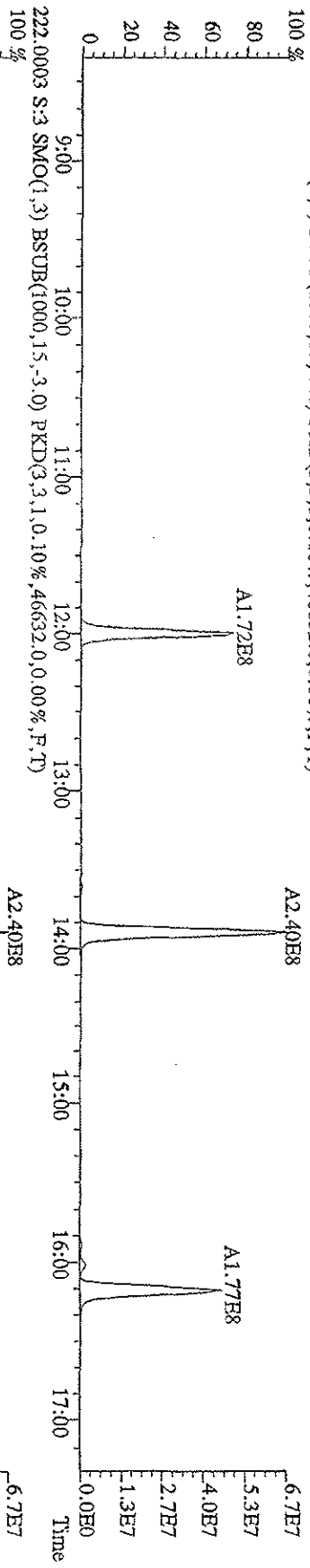
202.0766 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,186476,0,0,00%,F,T)

100% A1.28E8

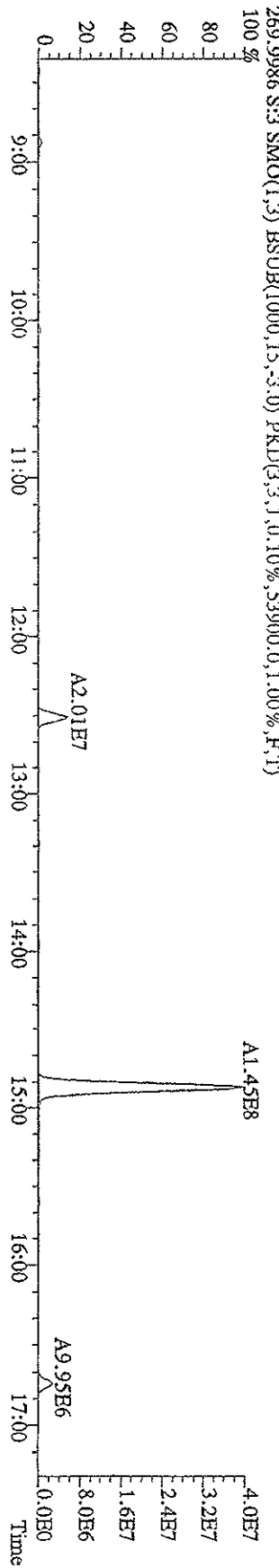
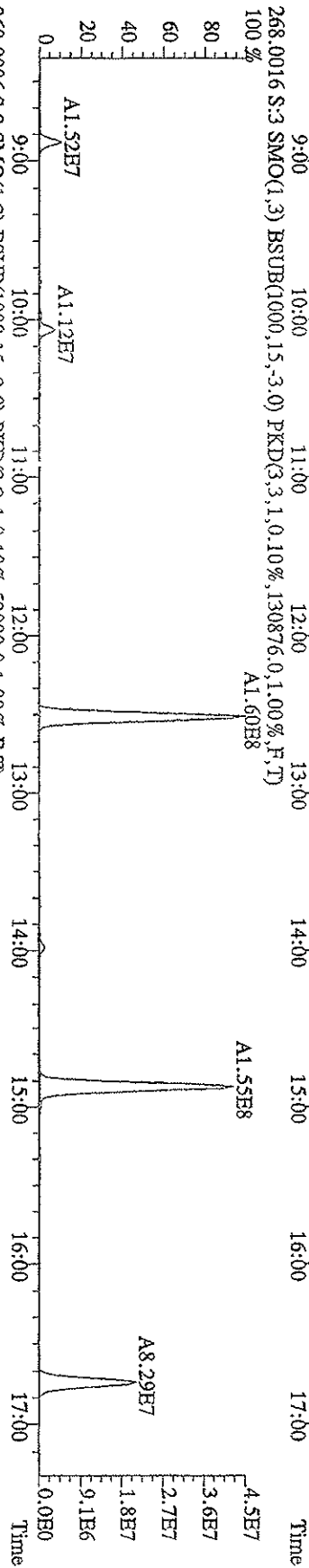
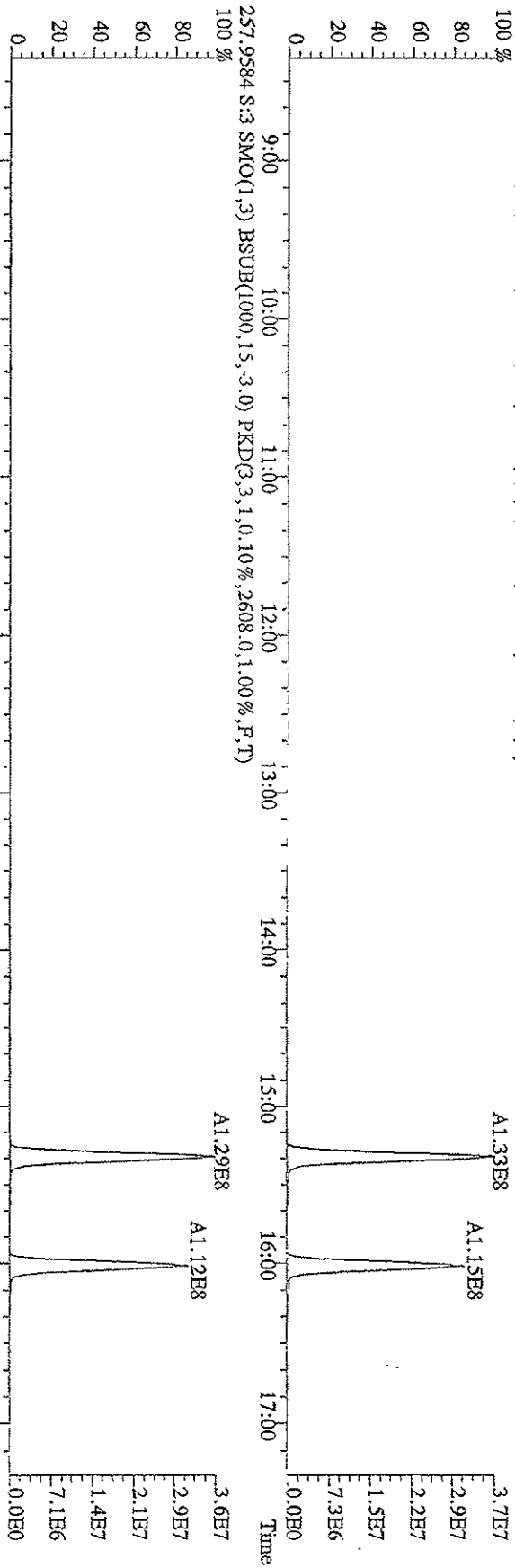
A6.63E7



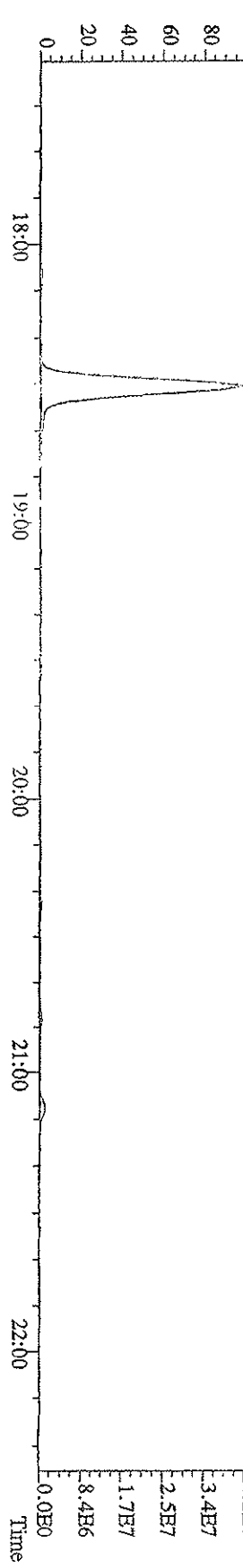
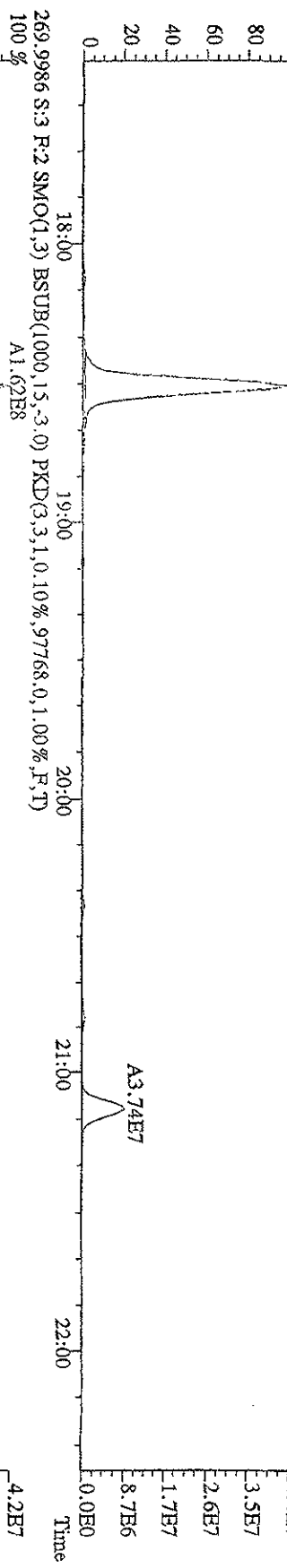
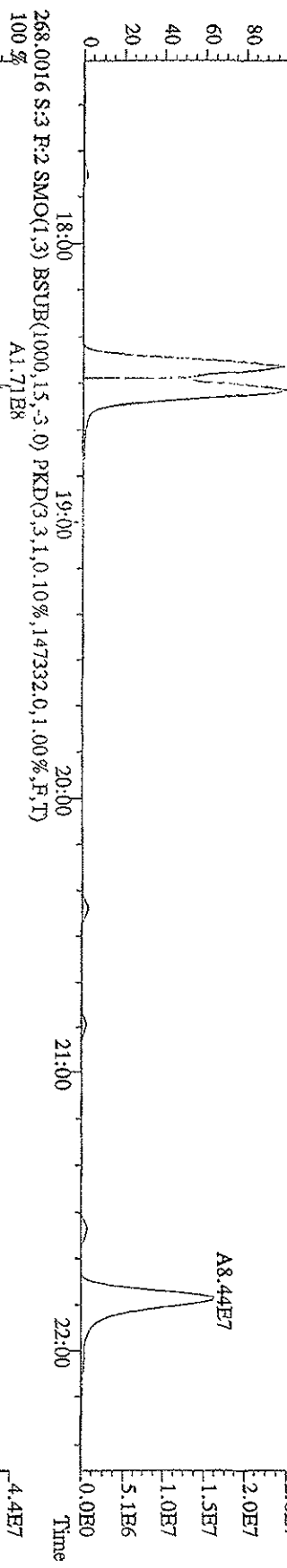
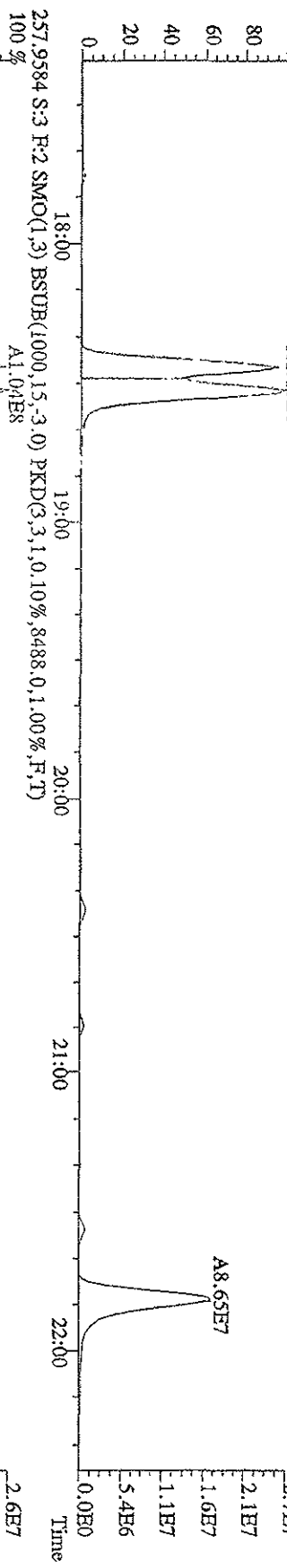
File:131A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 222.0003 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,46632.0,0.00%,F,T)



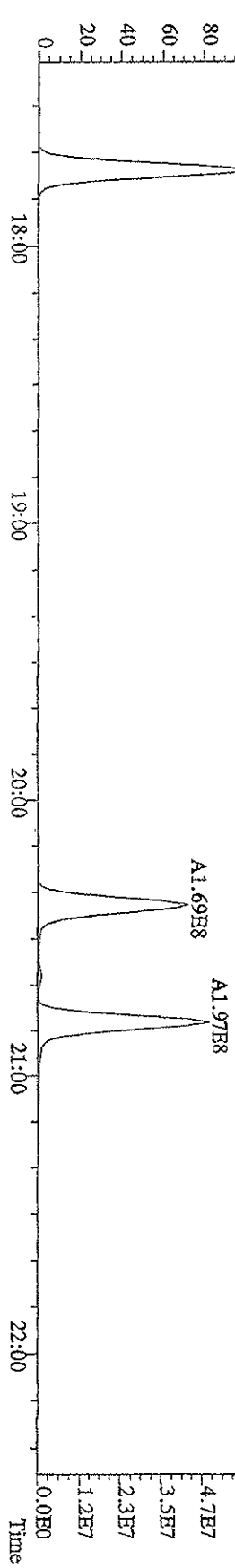
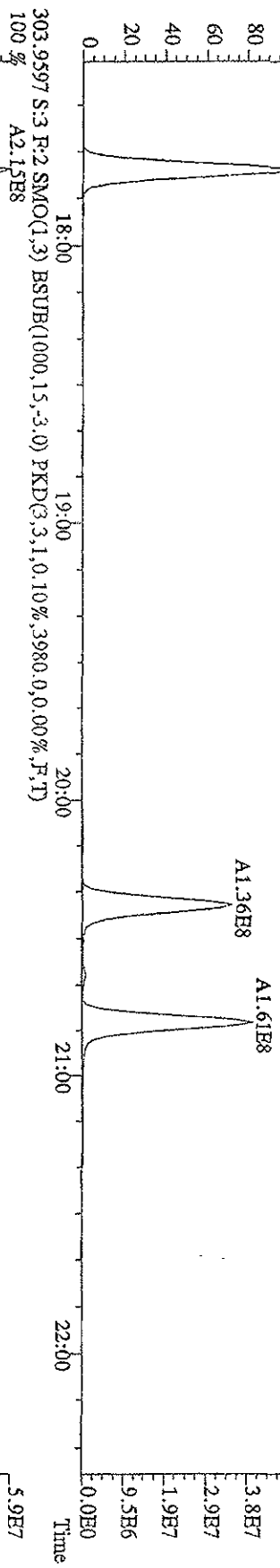
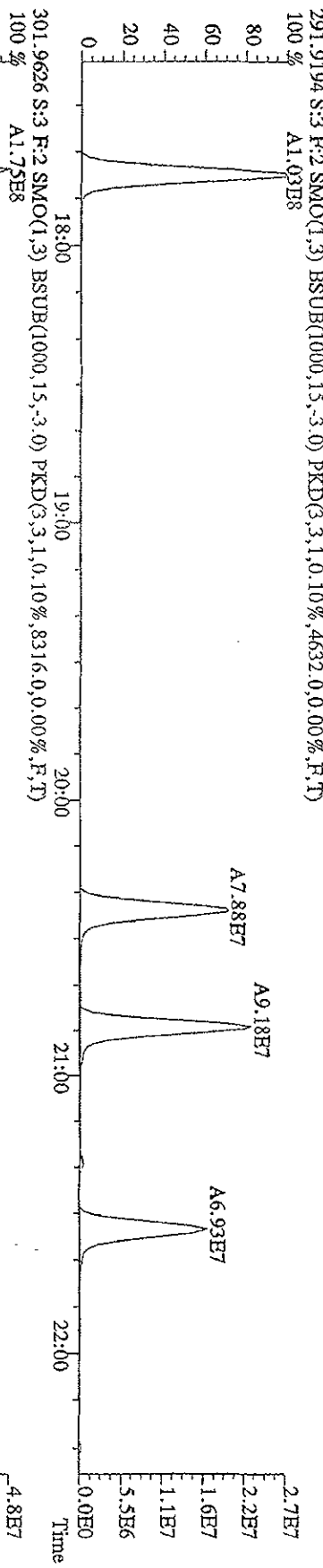
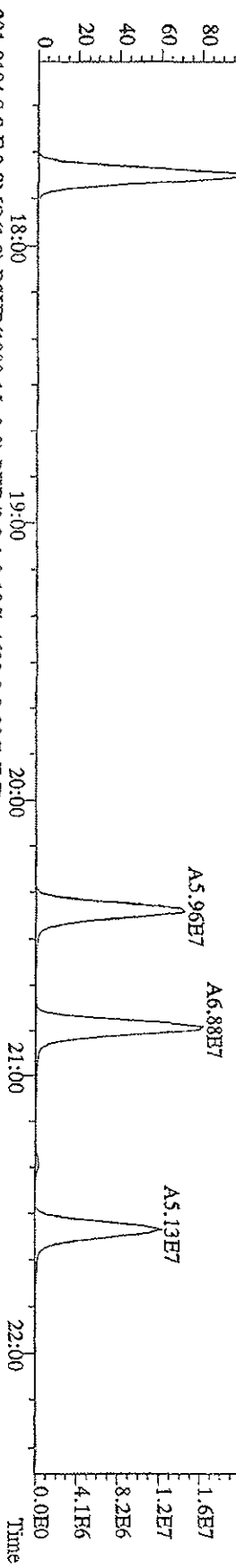
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage:51K Atmospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 255.9613 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5848.0,1.00%,F,T)



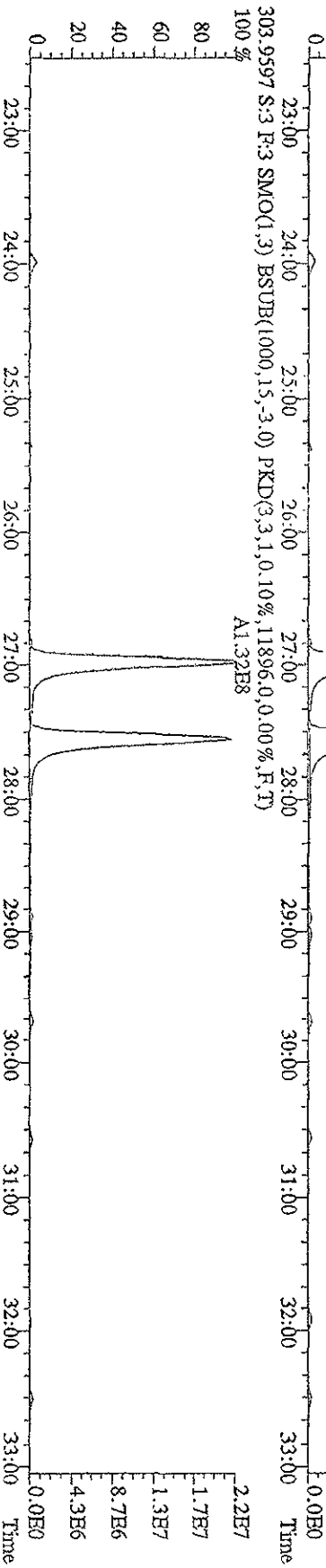
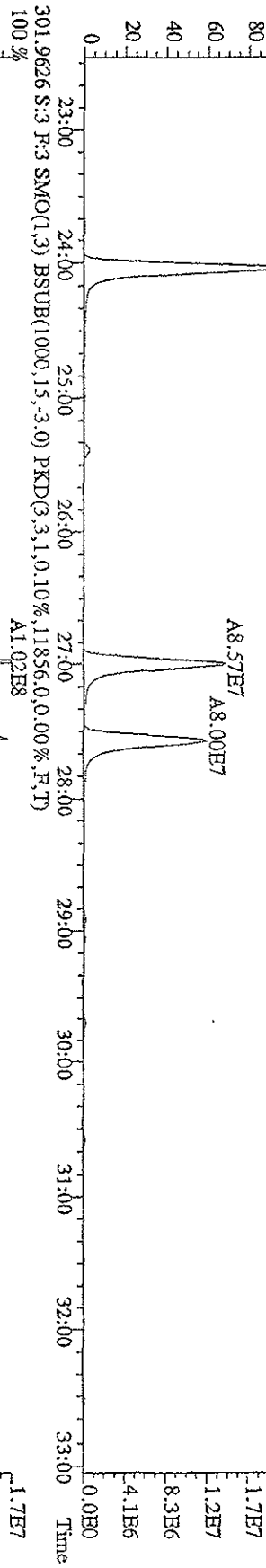
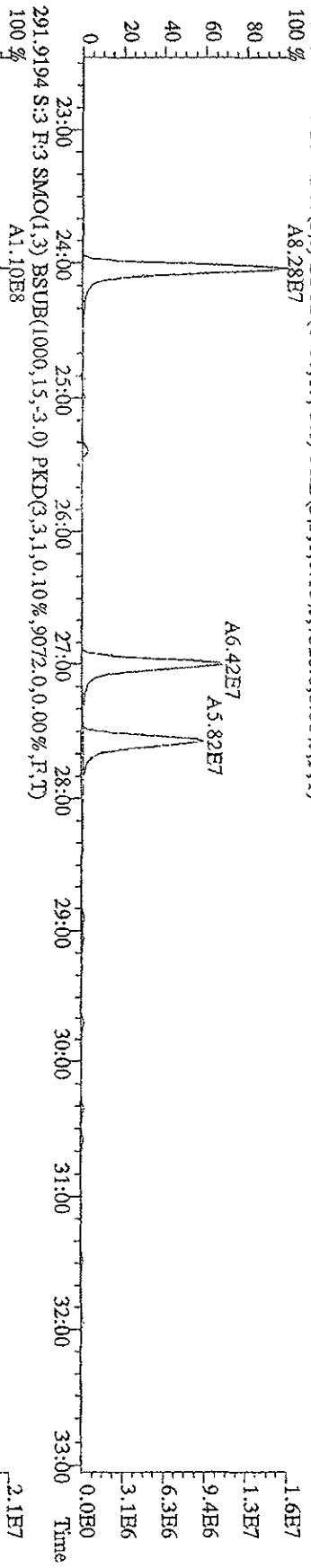
File:15\A09D9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC HI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 255 9613 S:3 R:2 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,3,1,0,10%,10996,0,1,00%,F,T)  
 100 %



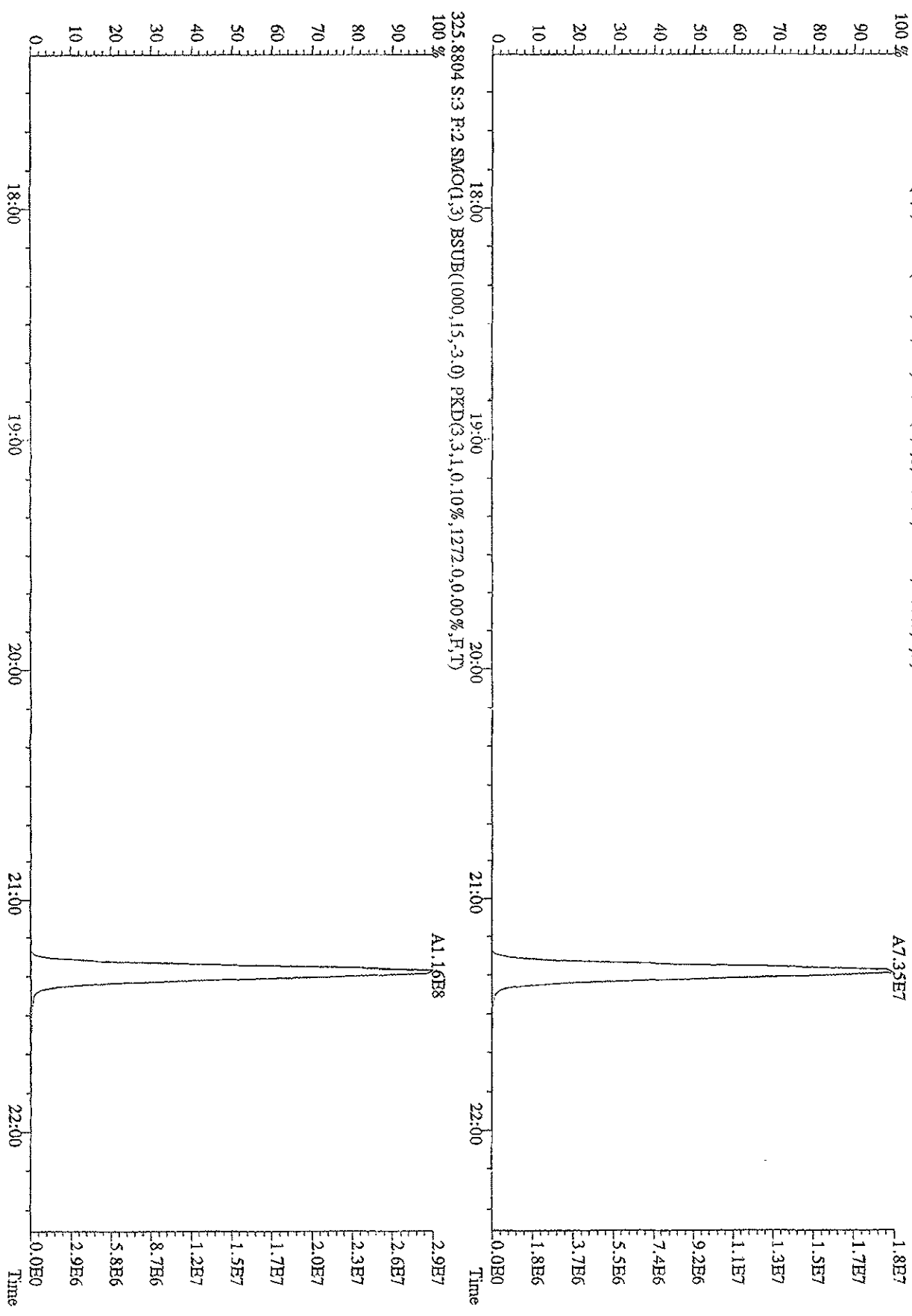
File:151A09D9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC:EI+ Voltage:50V SIR Autospec-UtimaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 289.9224 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1500,0,0.00%,F,T)  
 100 % A7.67E7



File:15IA09D9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage:51R Autospec-UltimaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7528,0,0,00%,F,T)



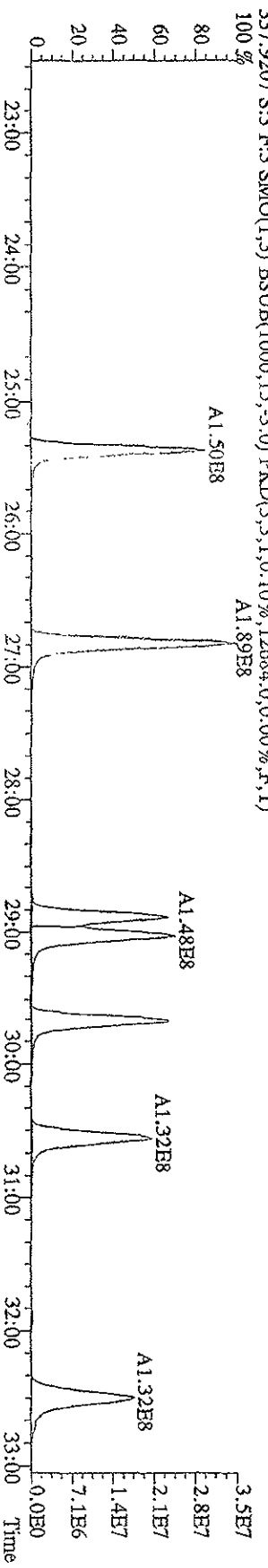
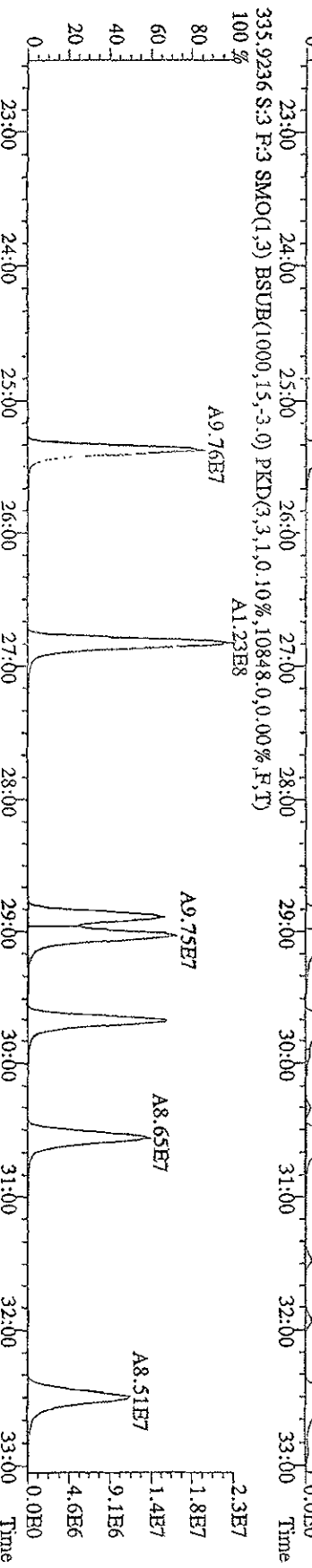
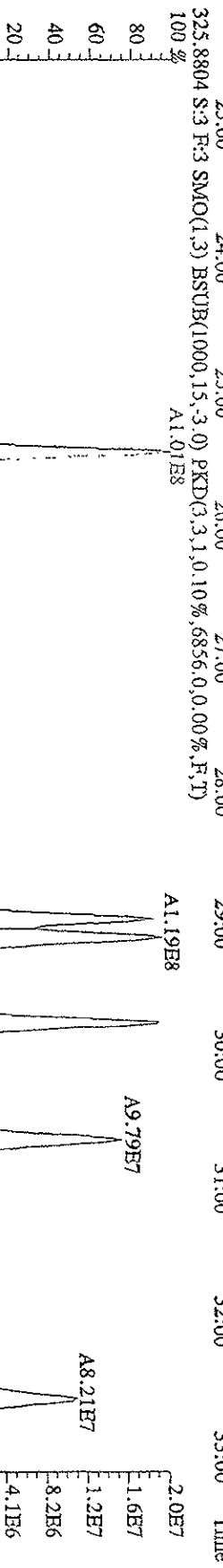
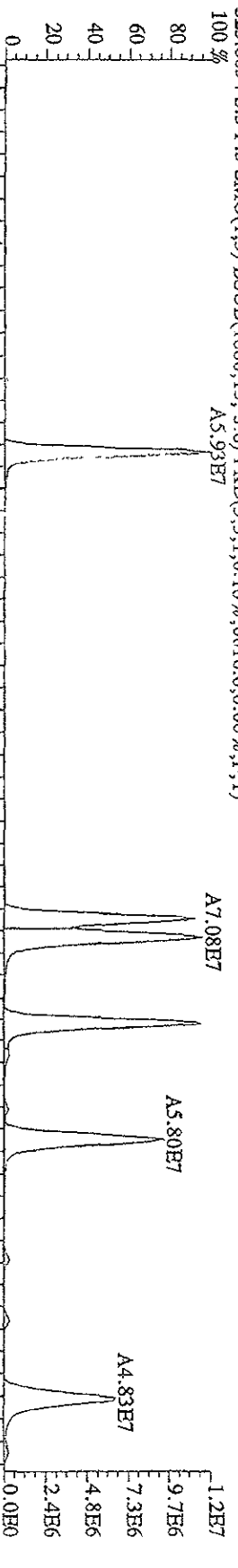
File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage: 51k Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 325.8834 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,1856,0,0,00%,F,T)



File:151A09D9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaE

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6616,0.0,0.00%,F,T)

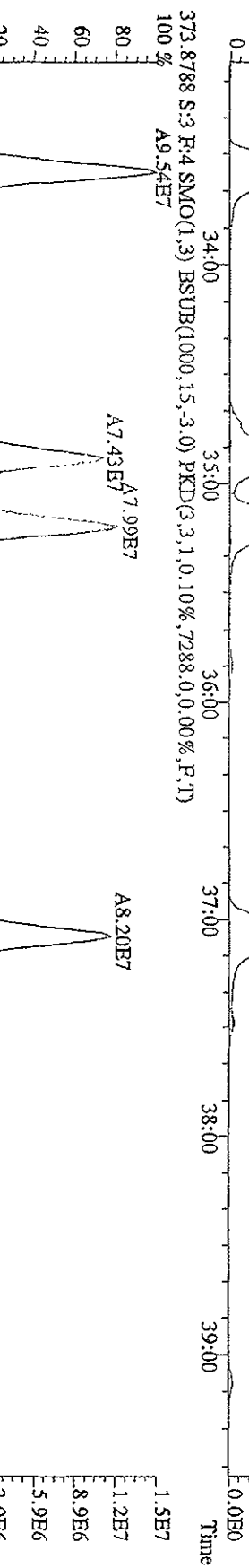
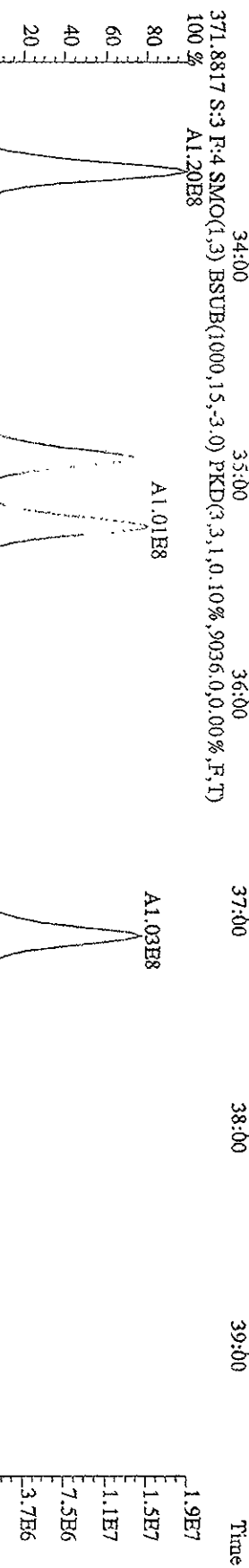
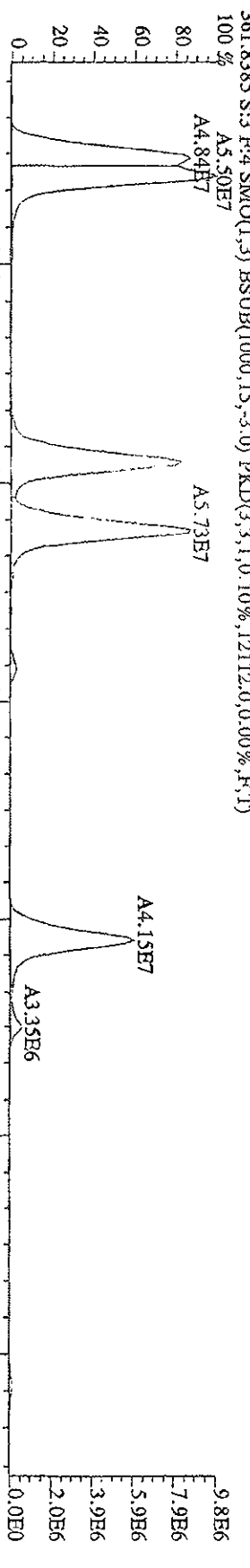
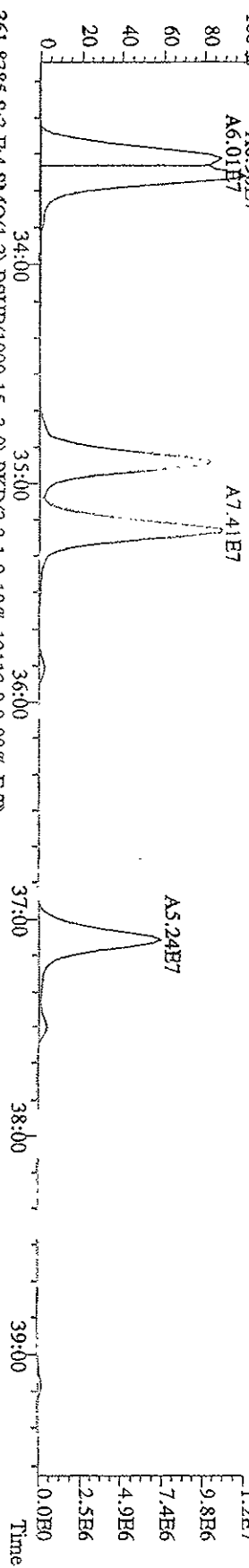




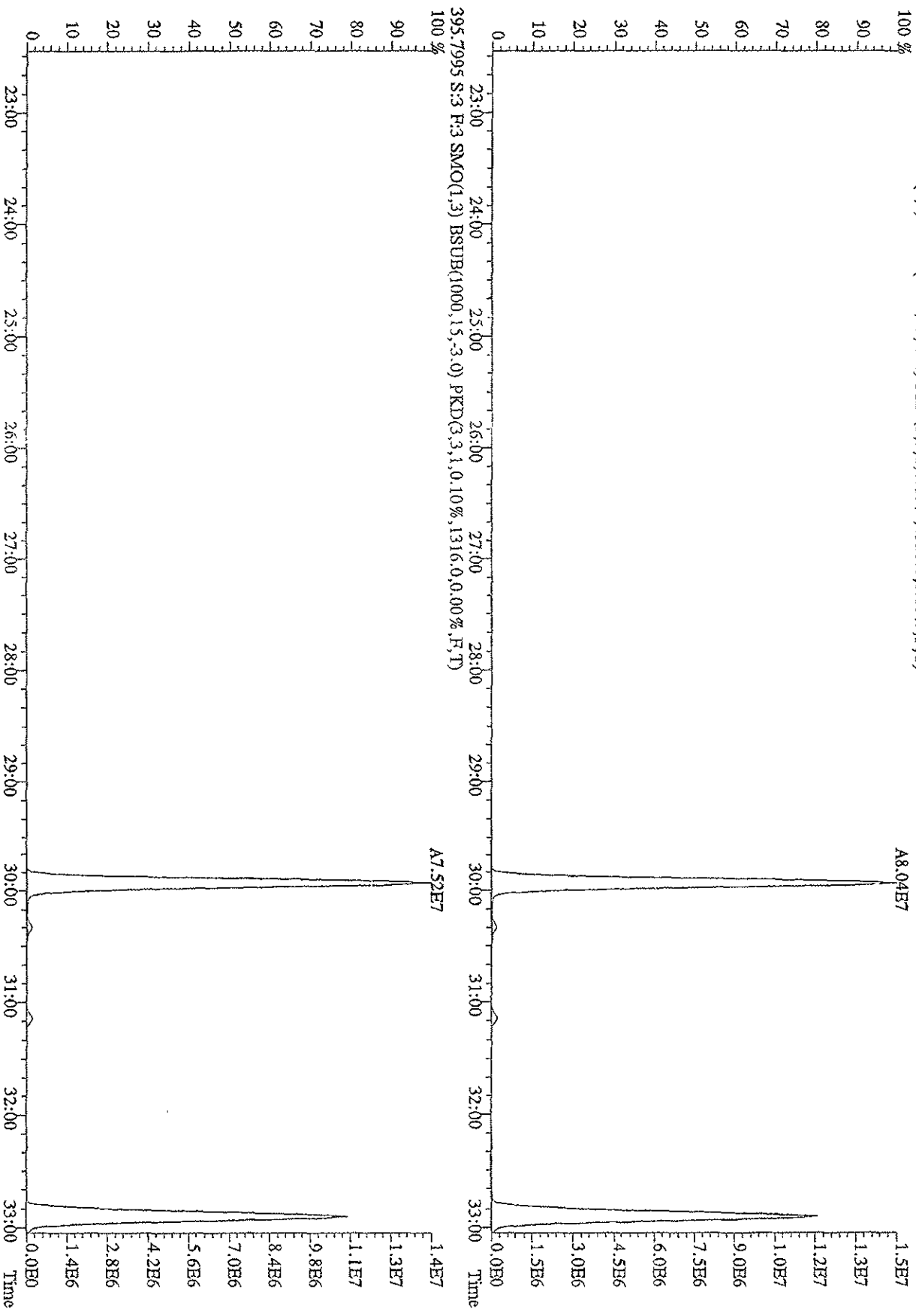


File:15FA09D9D5 #1-395 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage STR Autospec-UltimaE

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

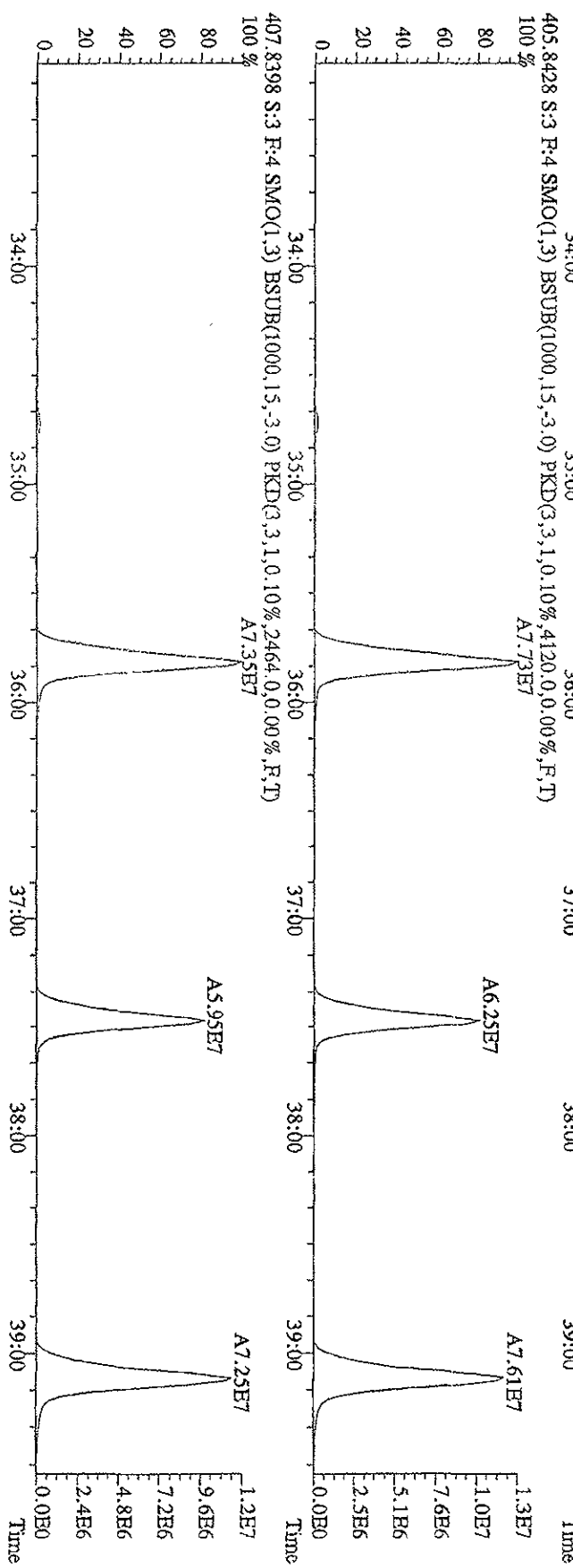
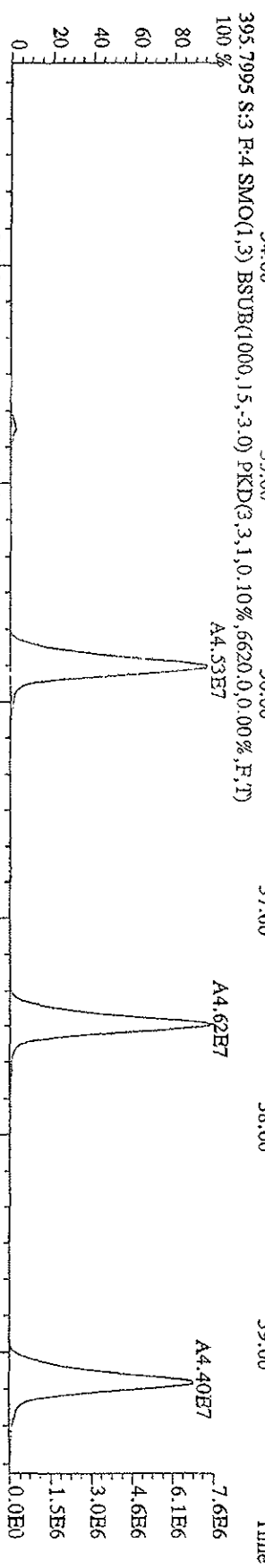
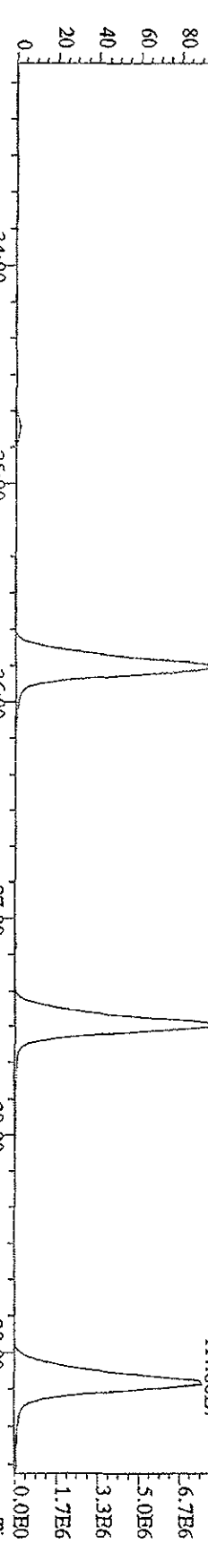


File:151A09DD9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC BI + Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0115B ;CS3 09DXN016 Exp:209DB5  
 393.8025 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4328,0,0,00%,F,T)  
 100 %

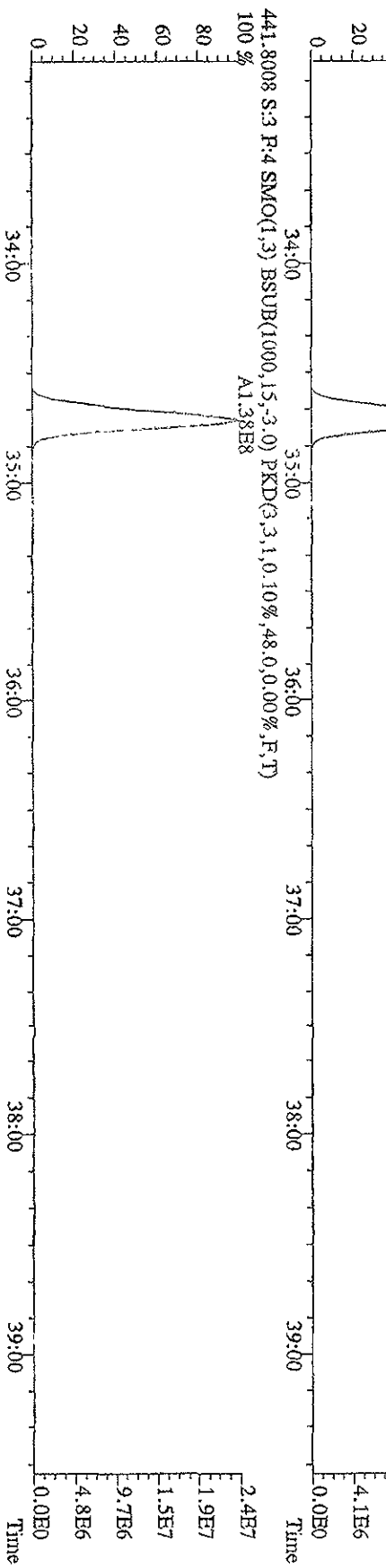
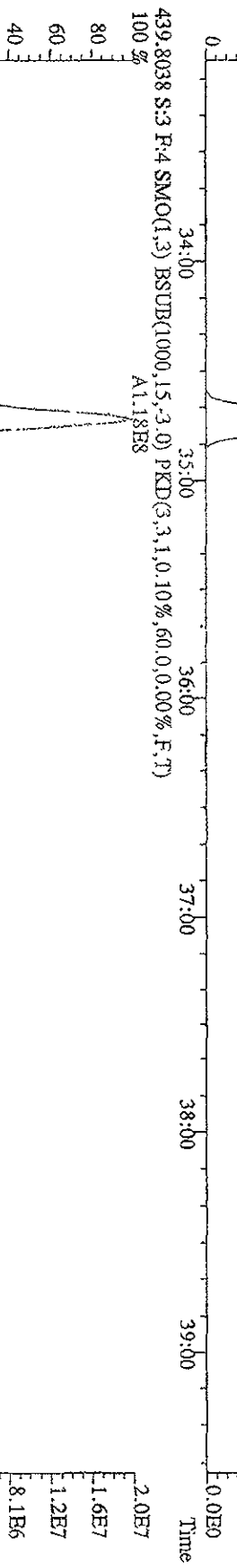
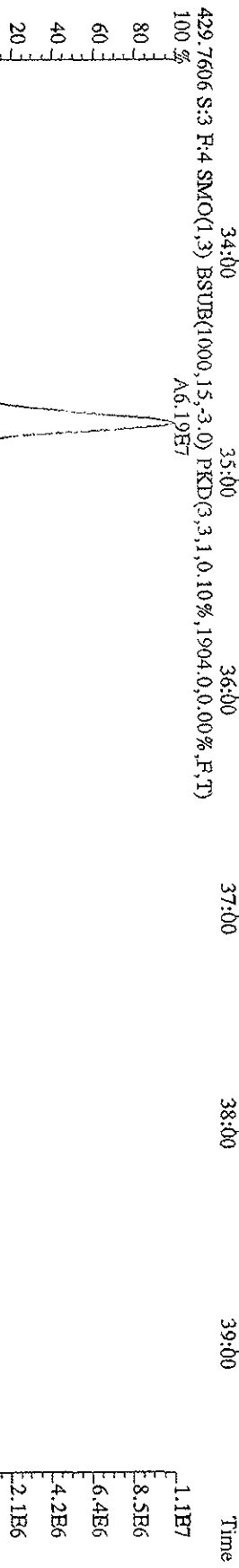
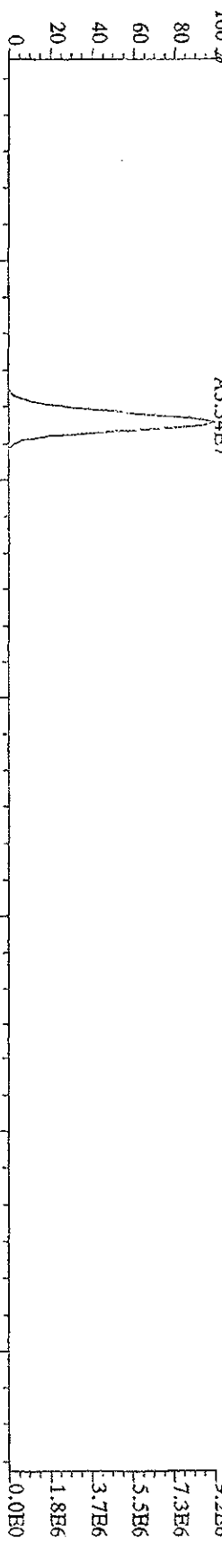


File:151A09DD9D5 #1-395 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB

Sample:#3 Text:ST015B :CS3 09DXN016 Exp:209DB5



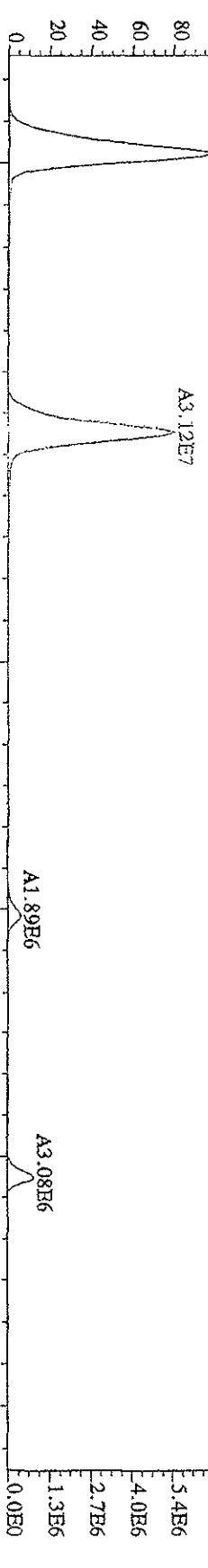
File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 427.7635 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1056,0,0,00%,F,T)



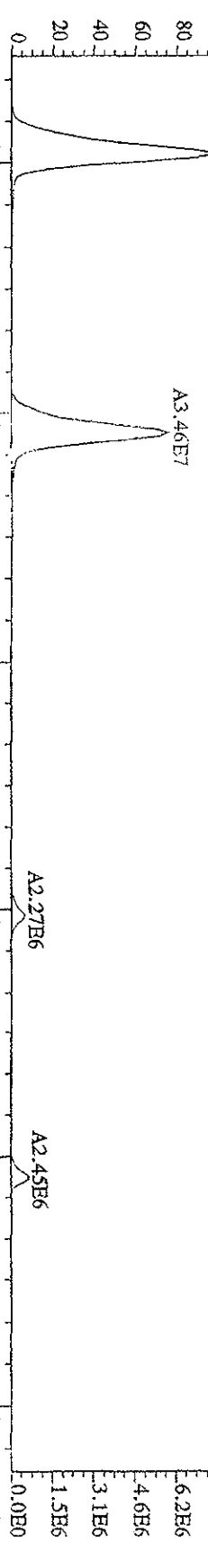
File:15JA09D9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

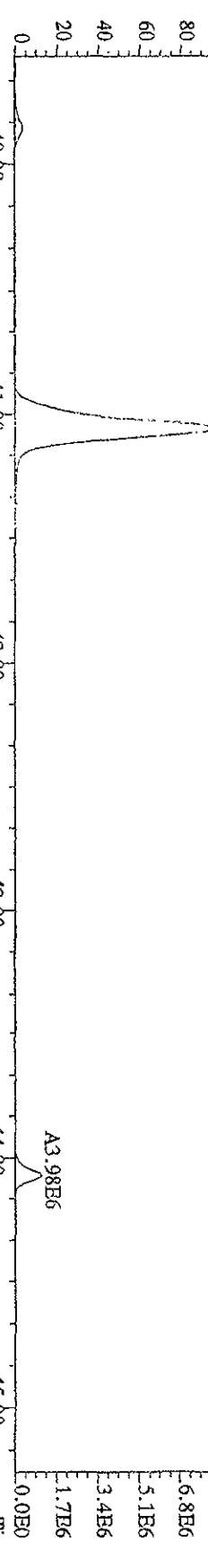
427.7635 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3876,0,0,00%,F,T)



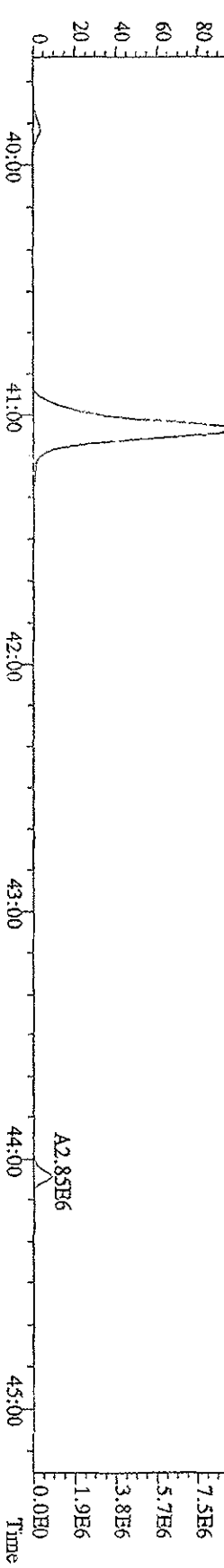
429.7606 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7052,0,0,00%,F,T)



439.8038 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1316,0,0,00%,F,T)



441.8008 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2328,0,0,00%,F,T)

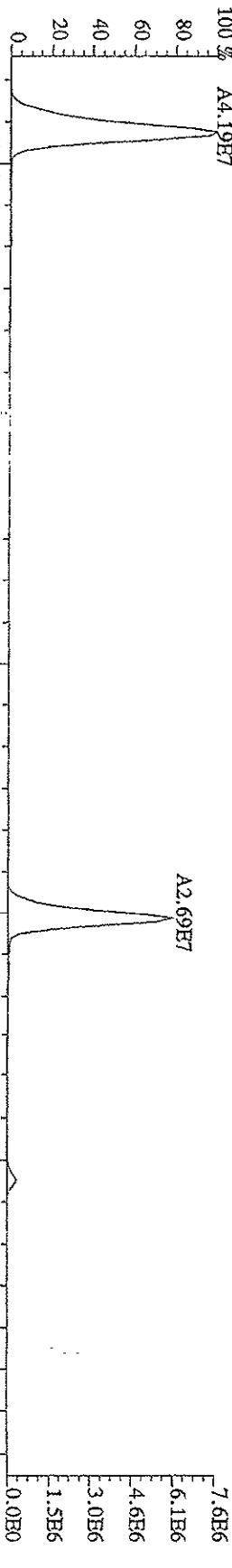


File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage STR Autospec-UltimaB

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

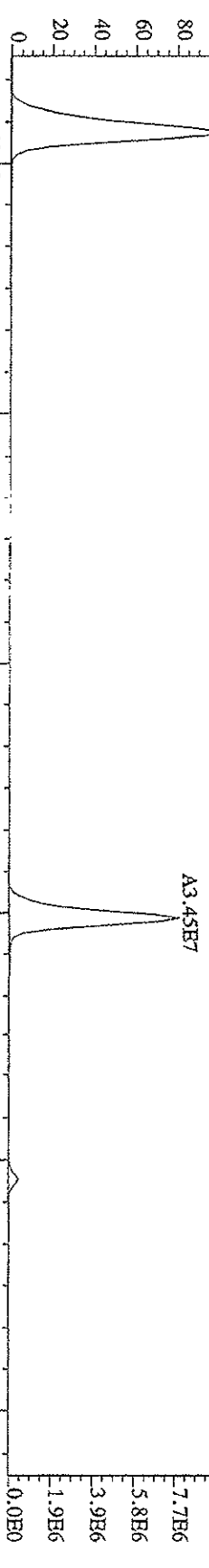
461.7245 S:3 F:5 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1.0,10%,988.0,0.00%,F,T)

100% A4.19E7



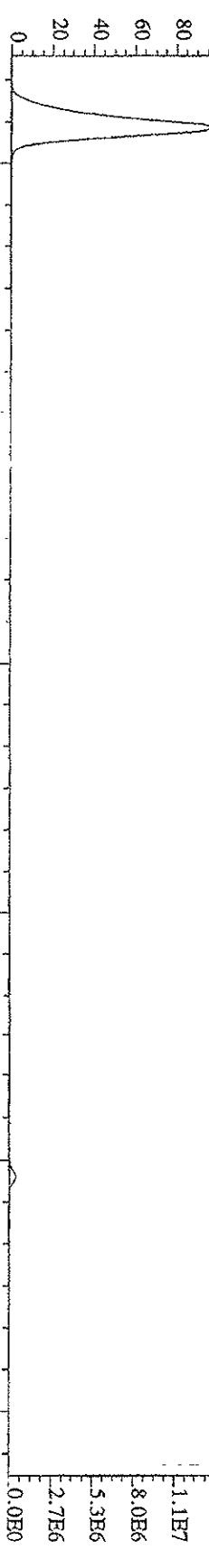
463.7216 S:3 F:5 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1.0,10%,1296.0,0.00%,F,T)

100% A5.31E7



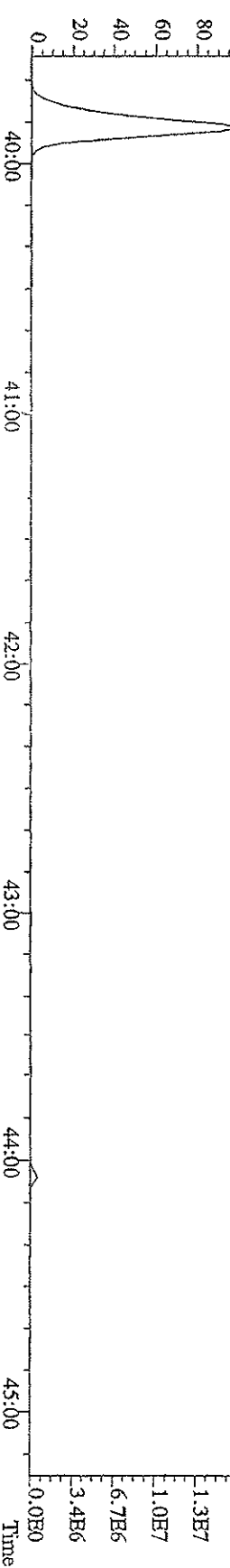
473.7648 S:3 F:5 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1.0,10%,1104.0,0.00%,F,T)

100% A7.27E7

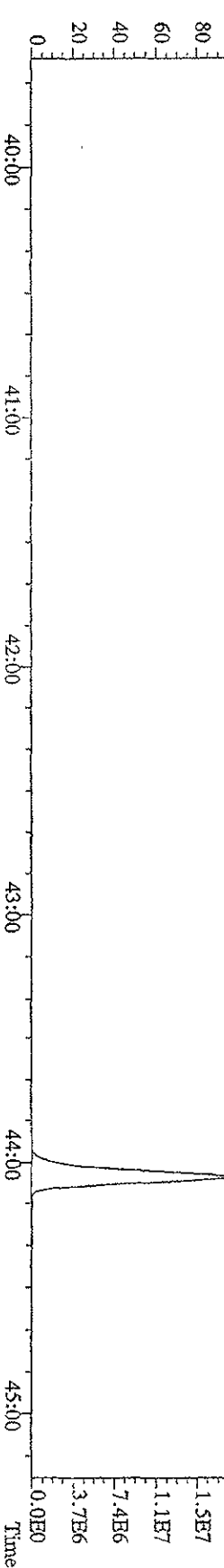
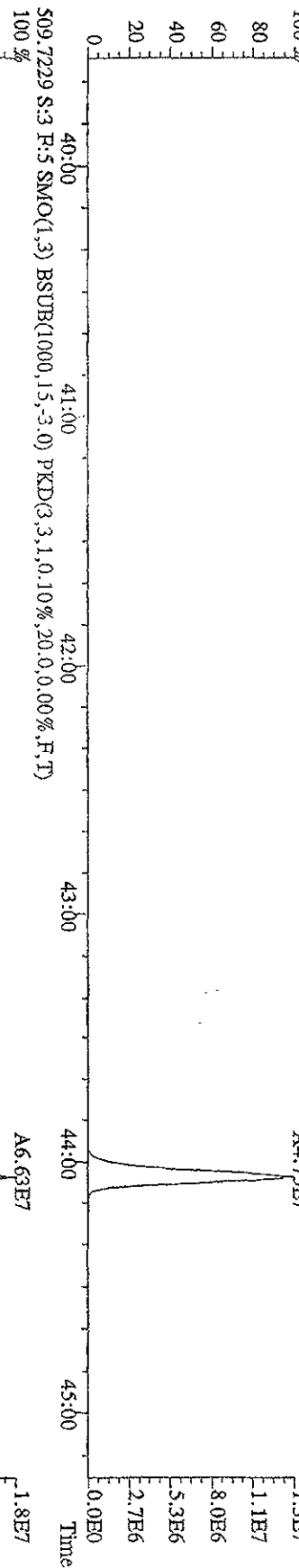
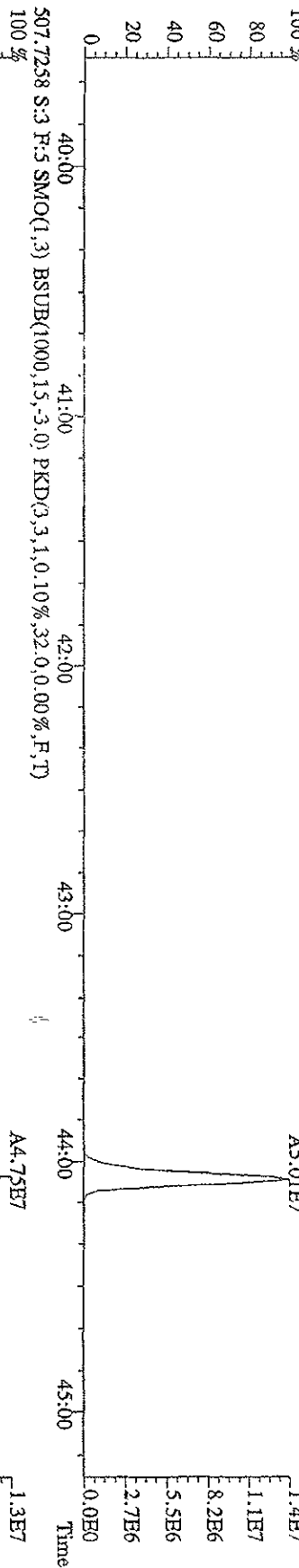
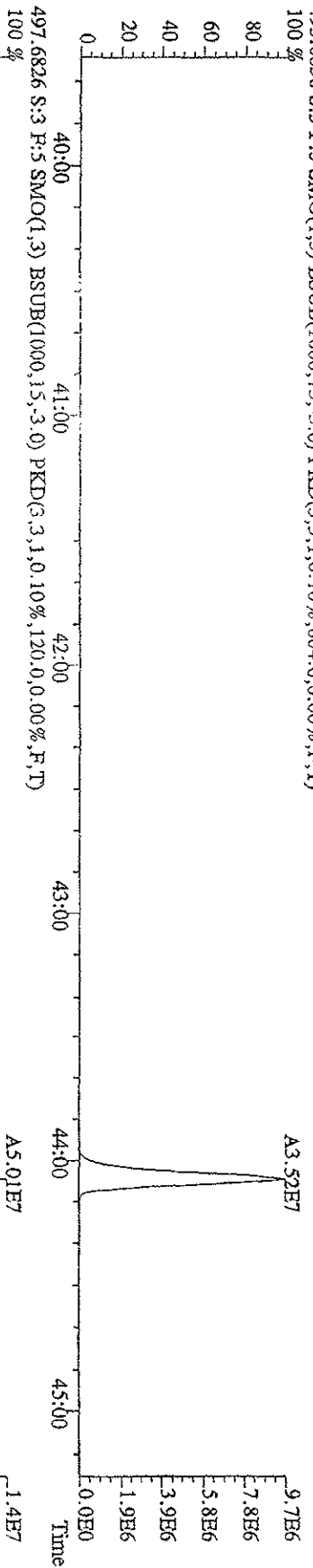


475.7619 S:3 F:5 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1.0,10%,676.0,0.00%,F,T)

100% A9.22E7

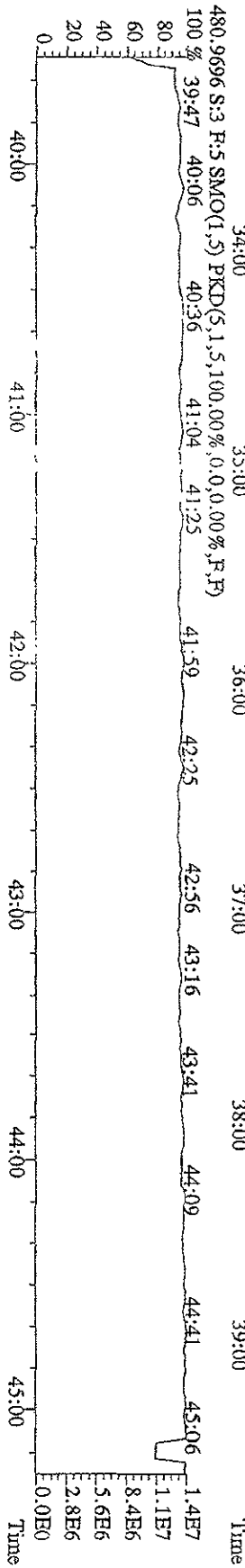
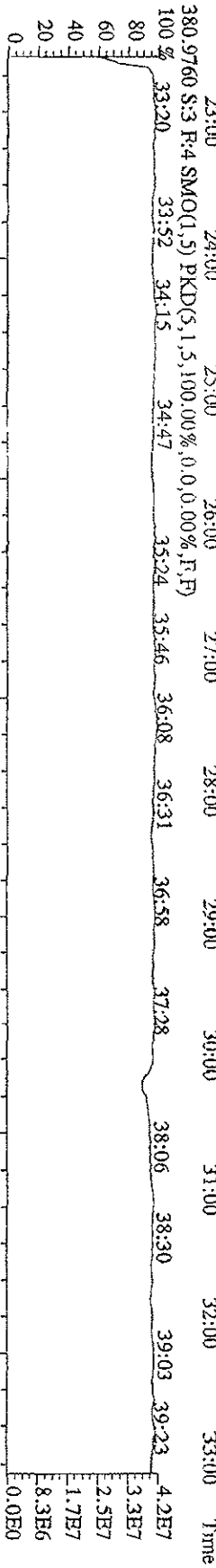
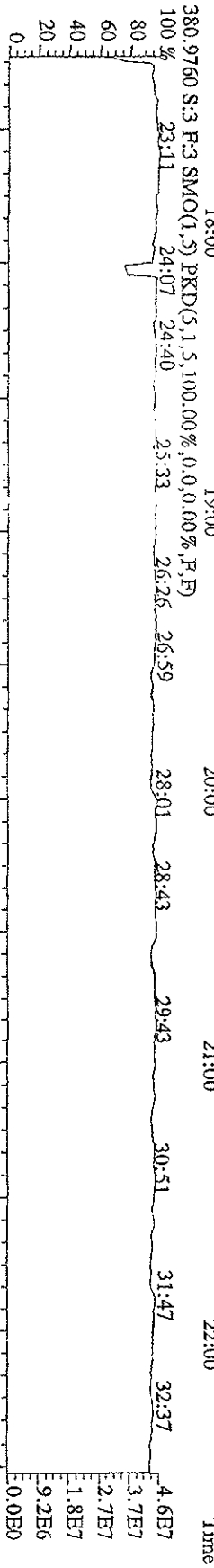
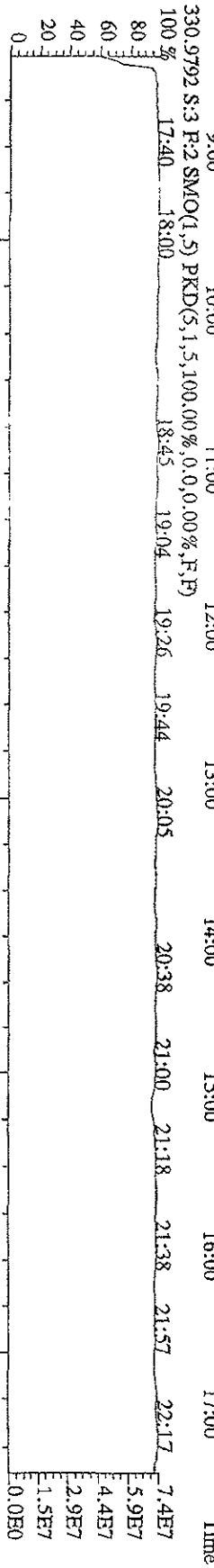
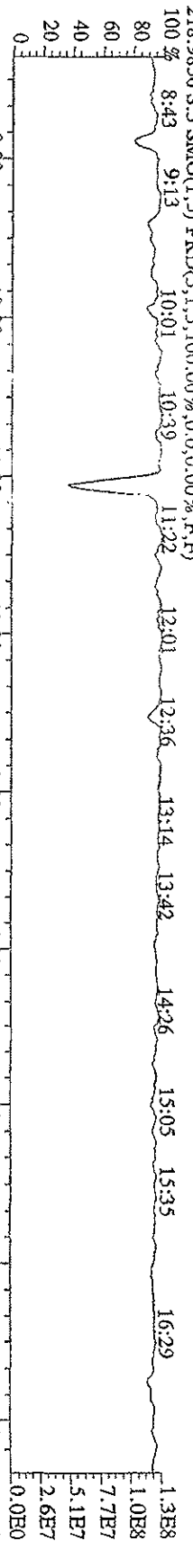


File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimat  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 495.6856 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,604,0,0,00%,F,T)



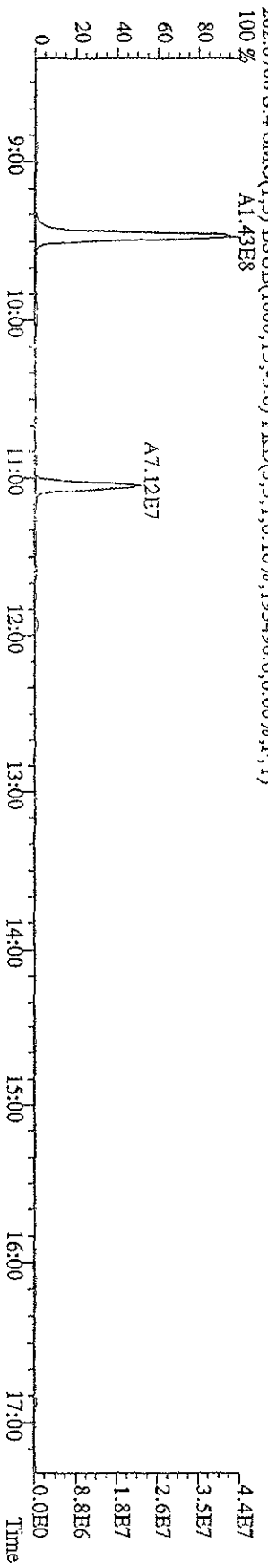
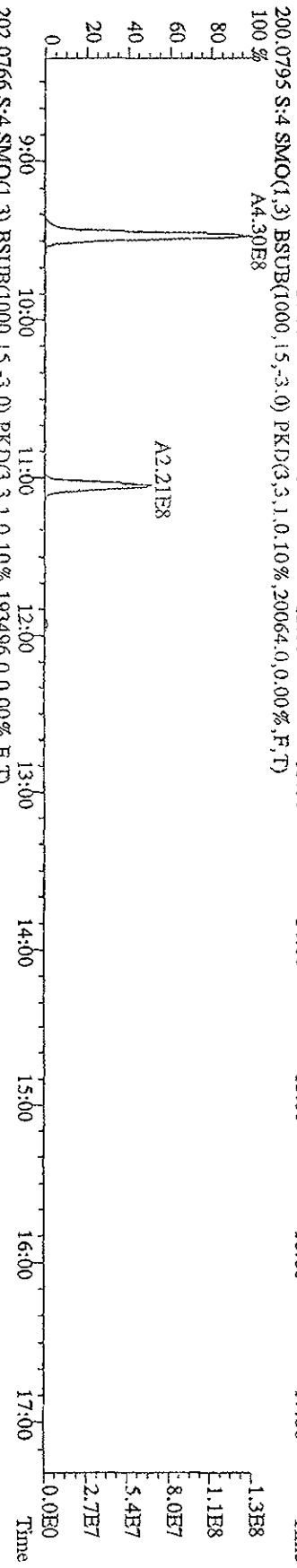
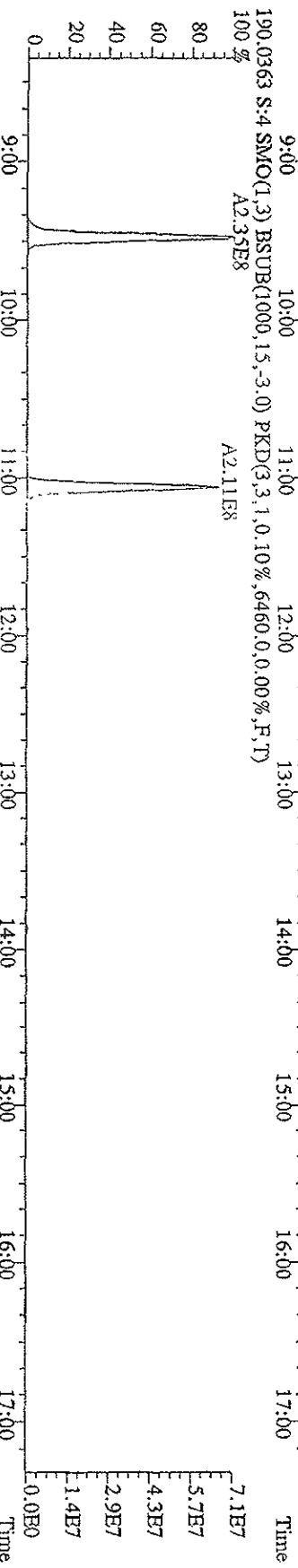
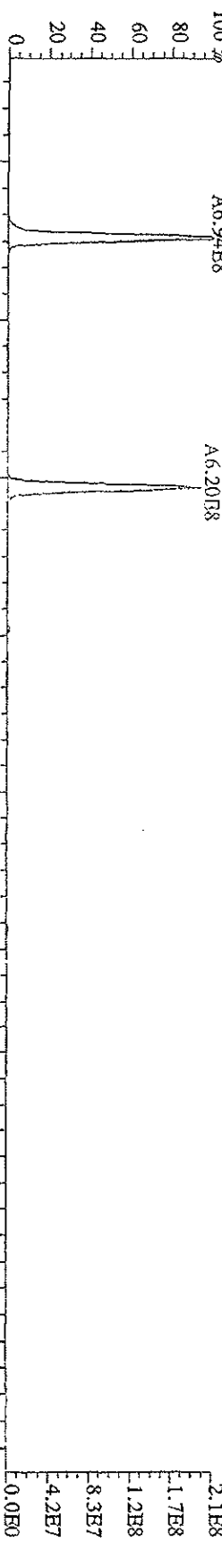


File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC BI + Voltage SIR Autospec-UltimaB  
 Sample#5 Text:STD115B :CS3 09DXN016 Exp:209DB5

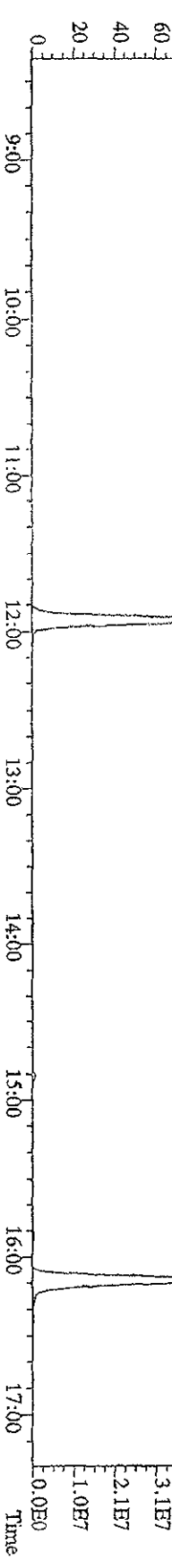
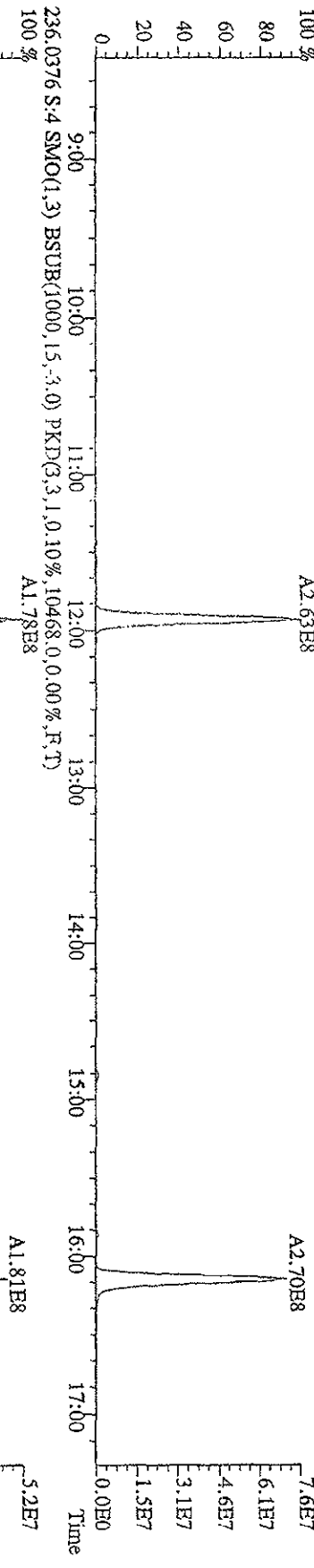
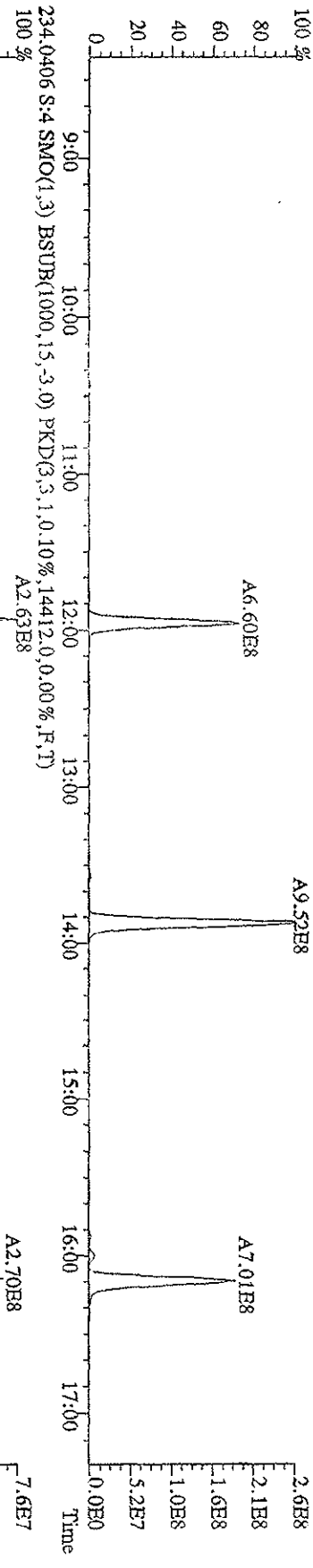
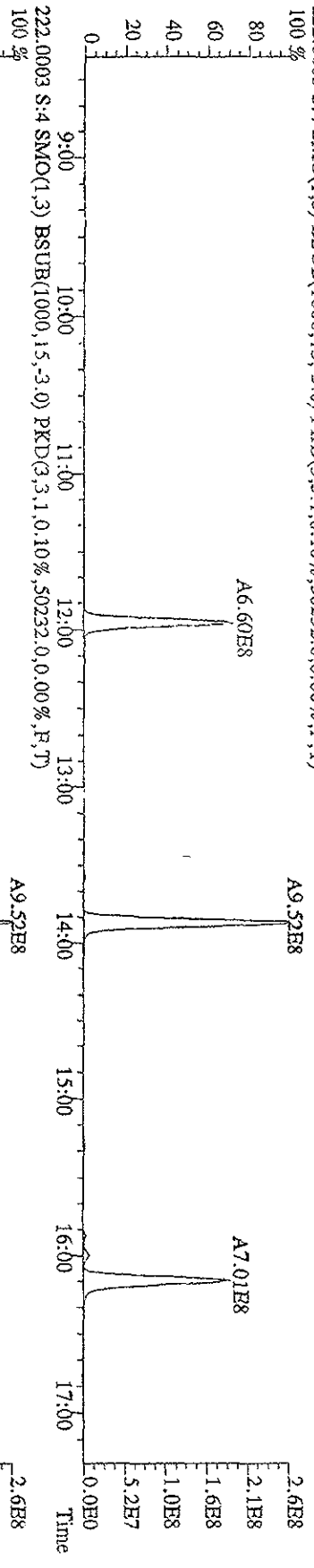


File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 22:59:23 GC BI+ Voltage SFR Autospec-UltimaE

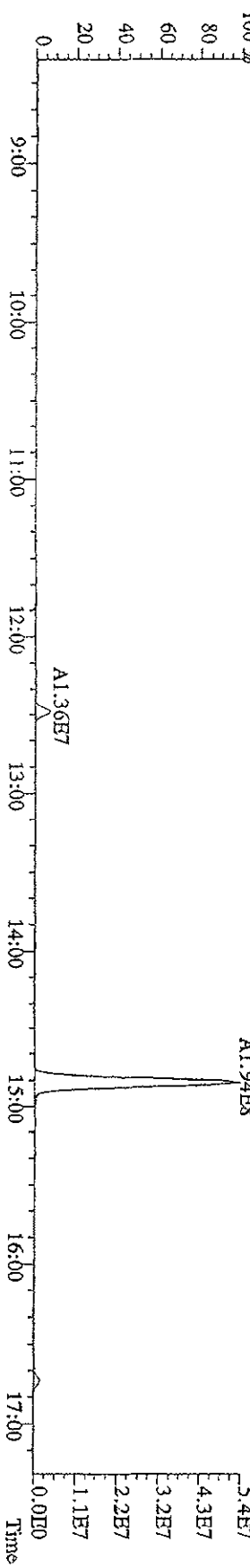
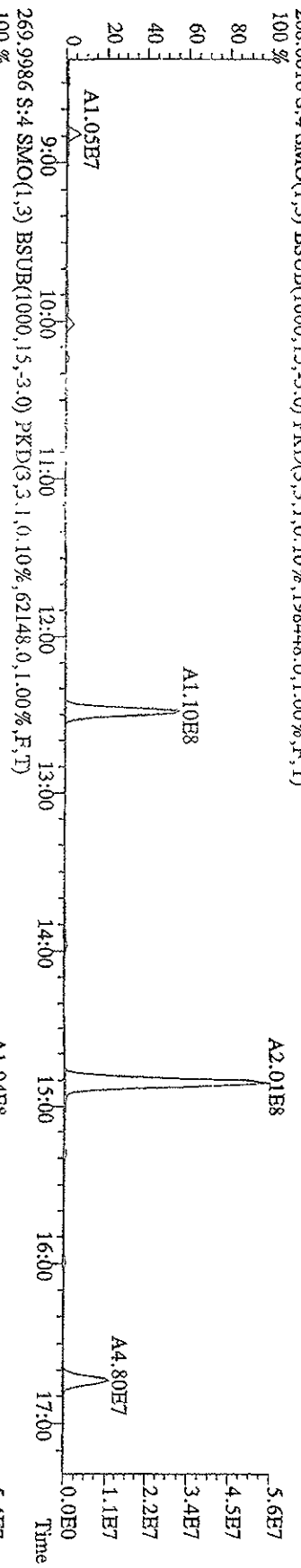
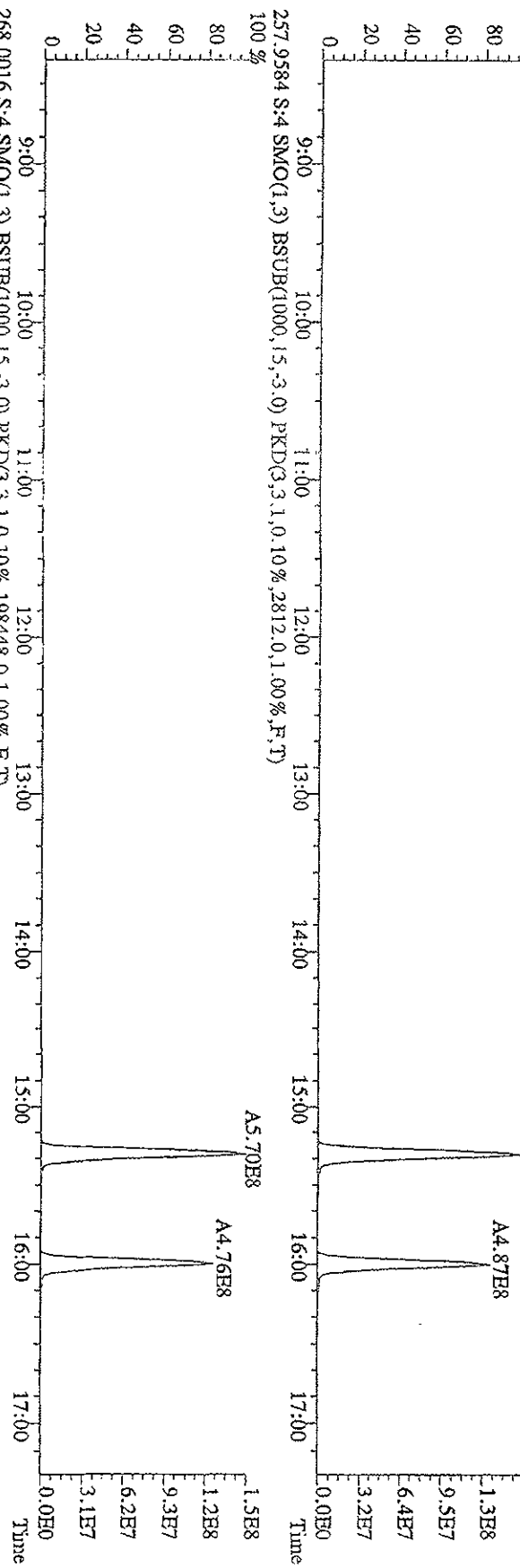
Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5



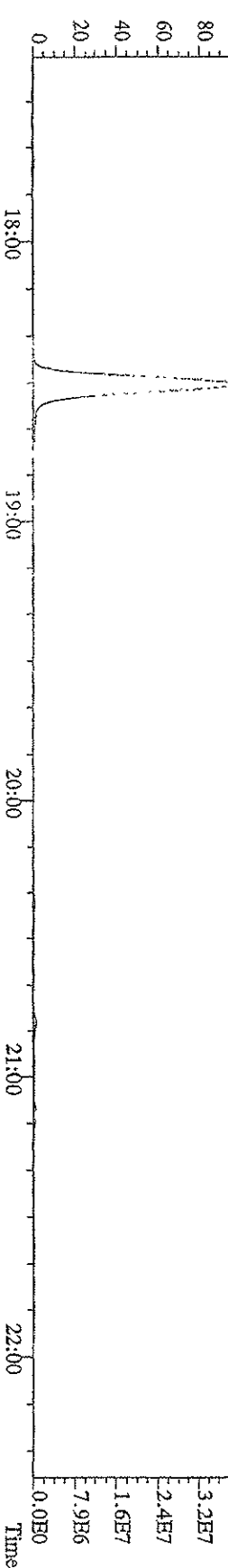
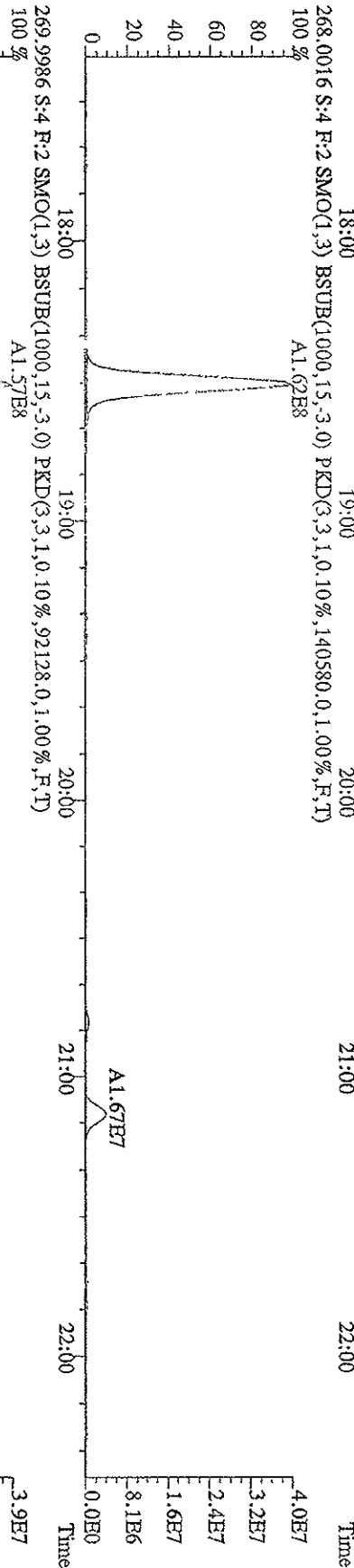
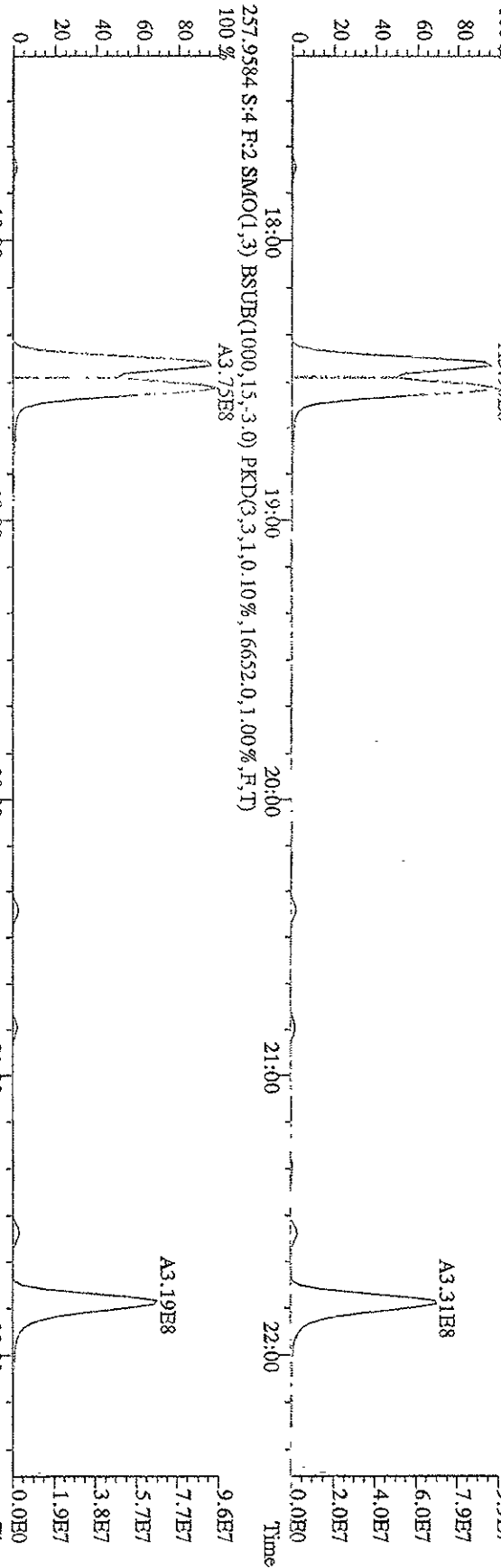
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 222.0003 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,50232,0,0,00%,F,T)



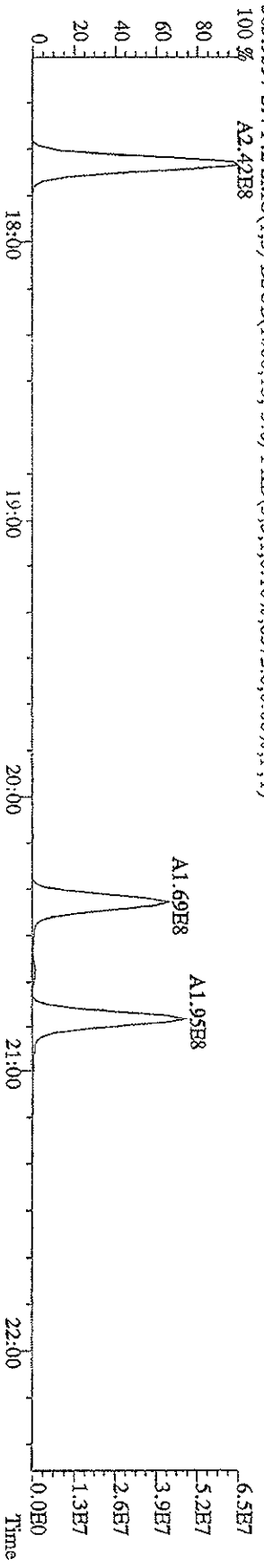
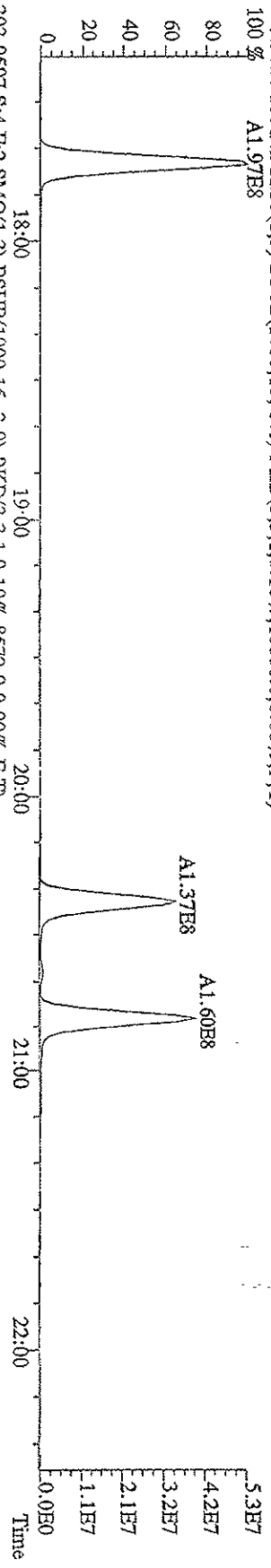
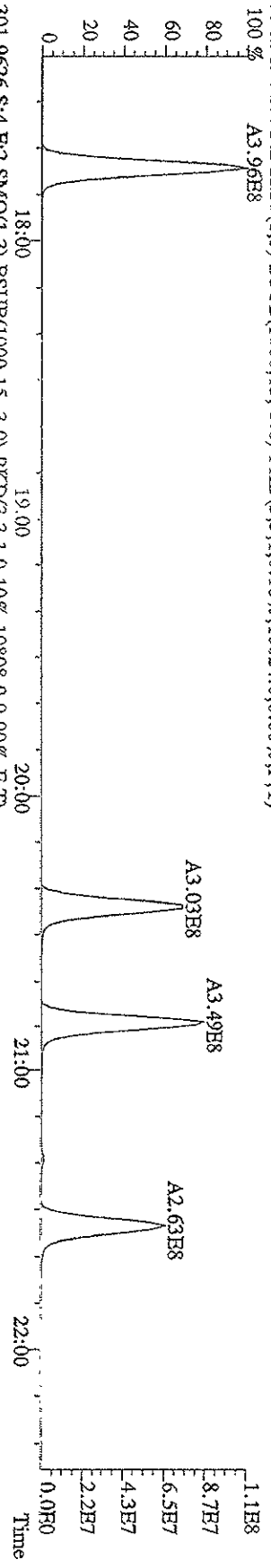
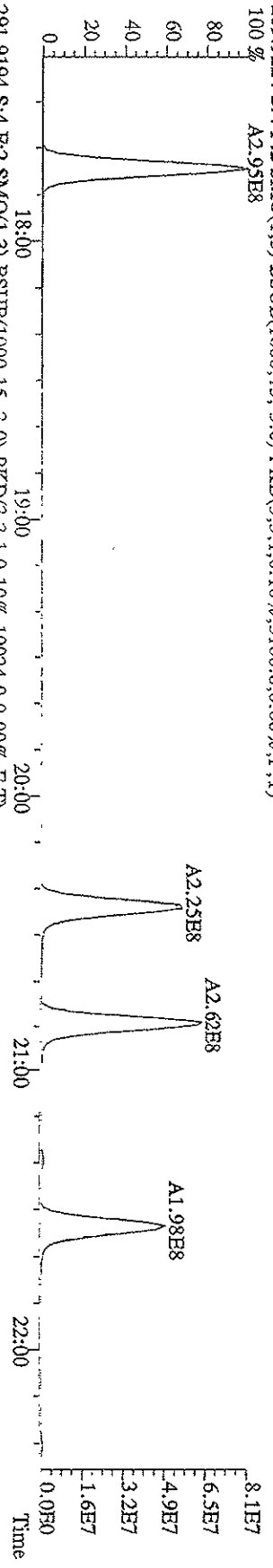
File: J51A09D9D5 #1-609 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UtimaB  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 257.9584 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2812.0,1.00%,F,T)  
 100%



File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UHimaR  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 255.9613 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,19732.0,1.00%,F,T)



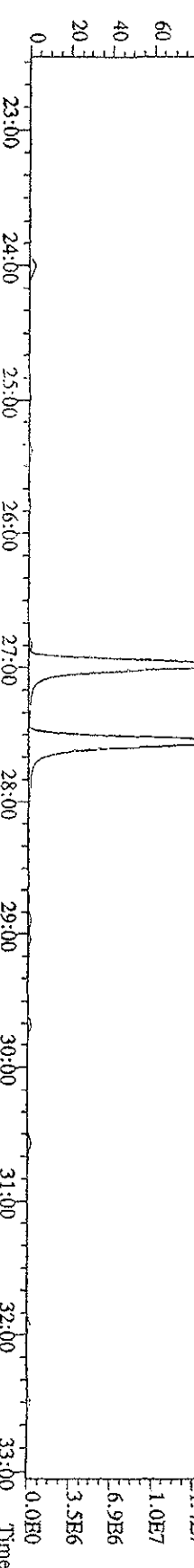
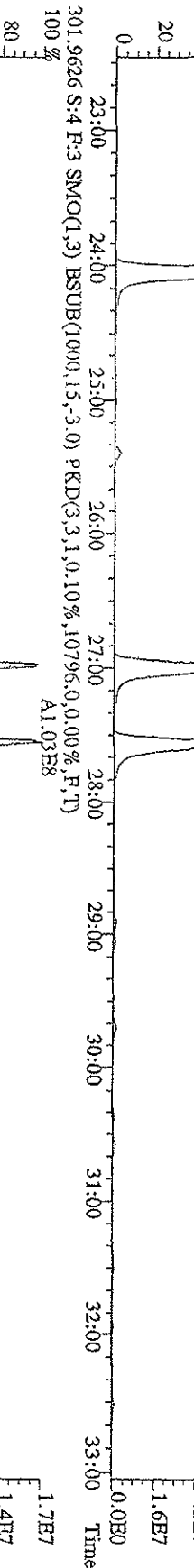
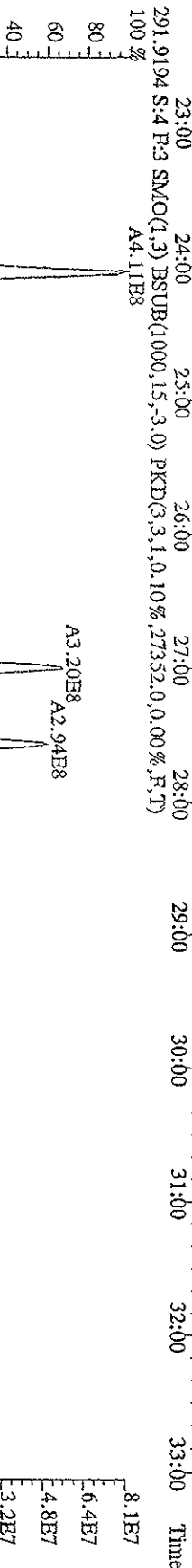
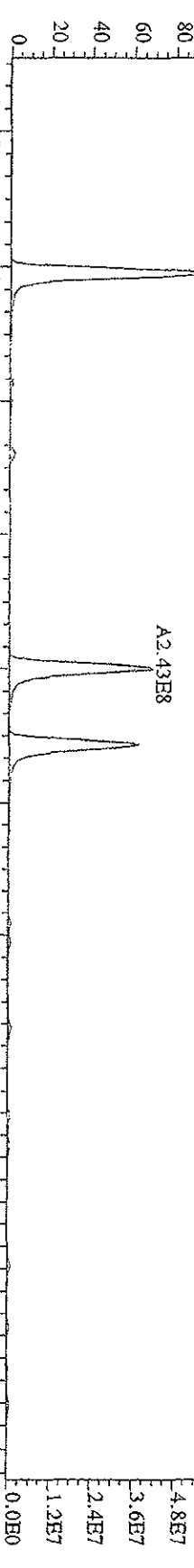
File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C : GS4 09DXN017 Exp: 209DB5  
 289,9224 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10024,0,0,00%,F,T)  
 100% A2.95E8



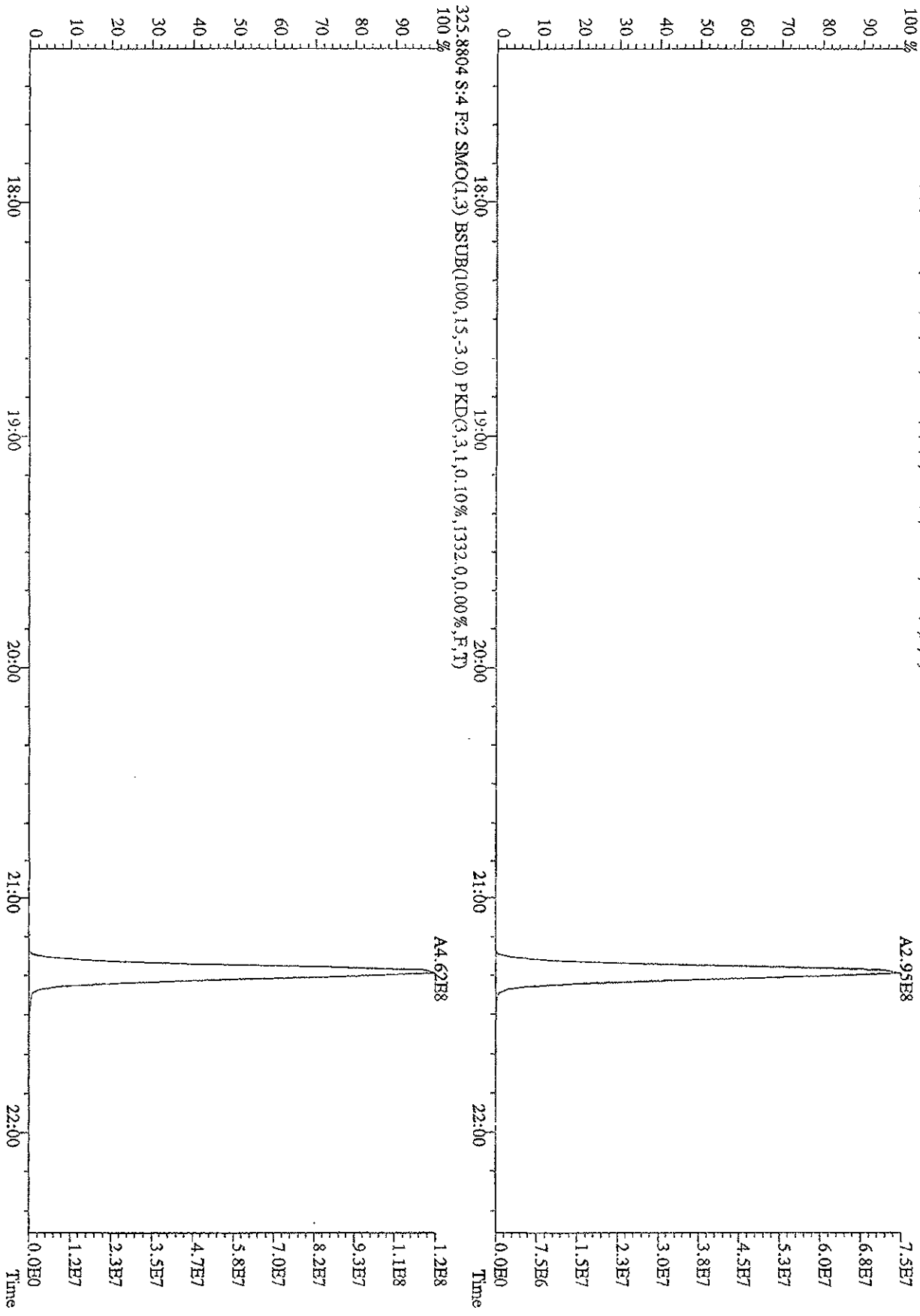
File:151A09D9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage STR Autospec-Ultimate

Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5

289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9024,0,0,00%,F,T)

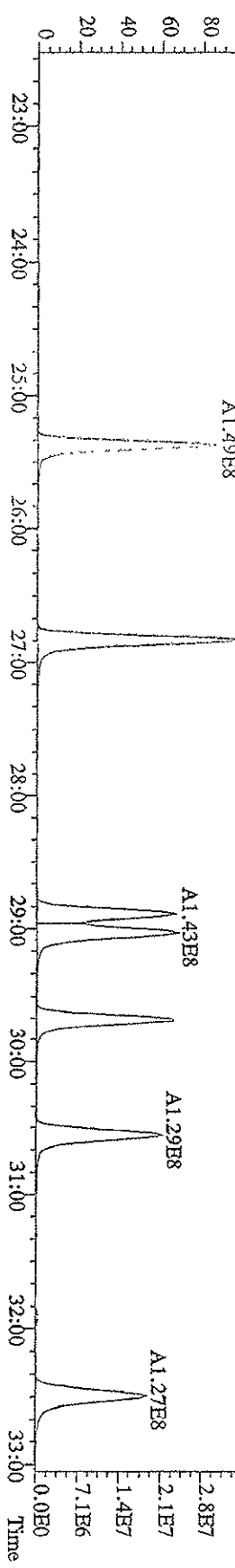
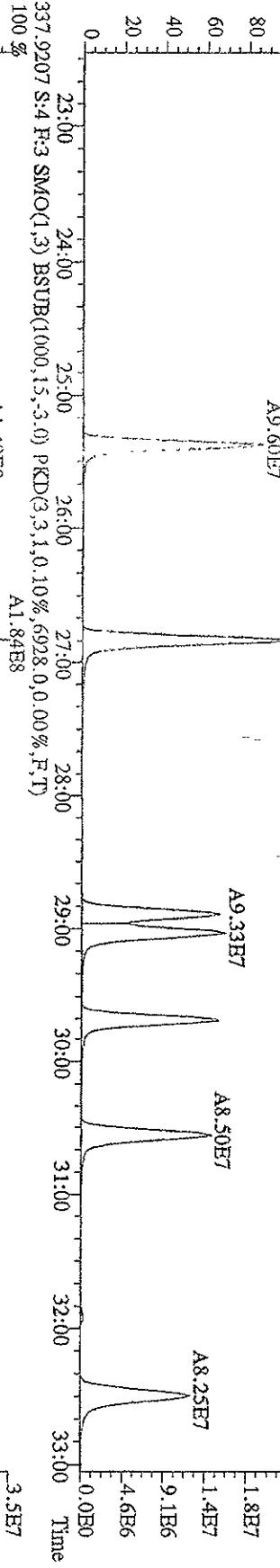
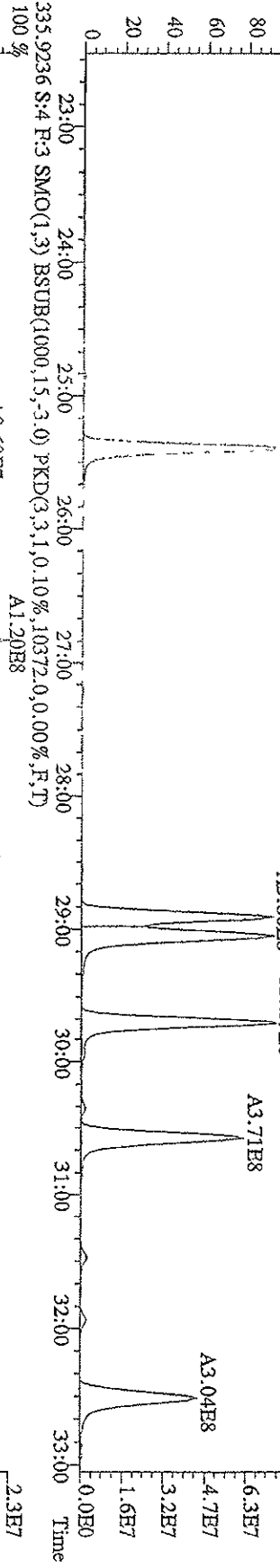
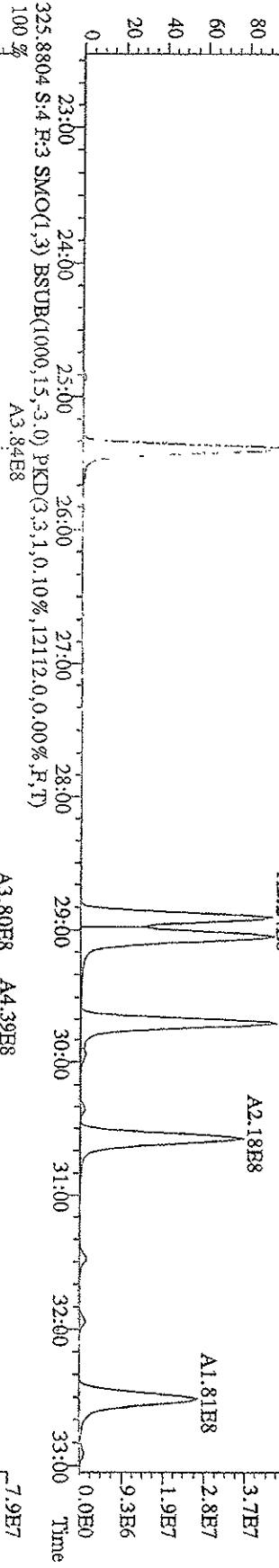


File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage: SIR Autospec-UltimaB  
Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
323.8834 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1332,0,0,00%,F,T)

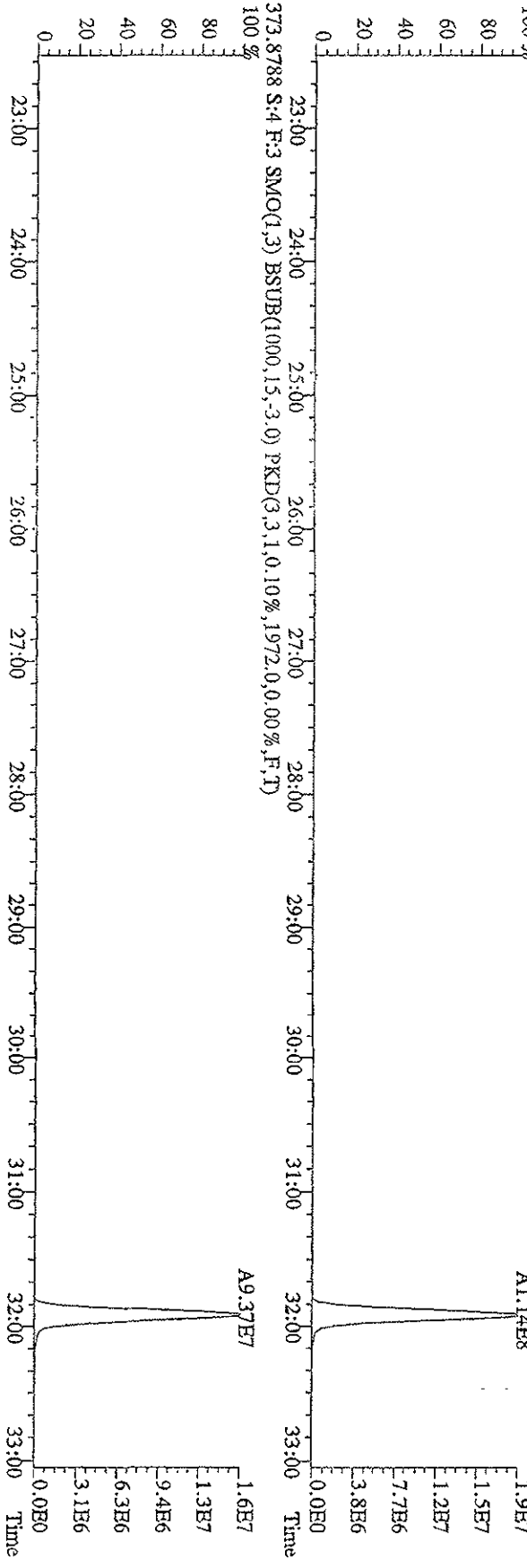
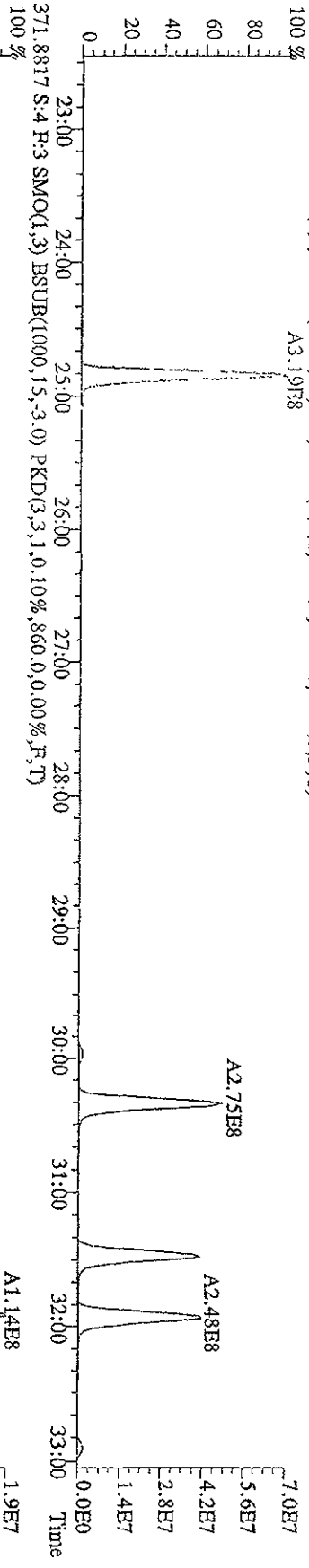
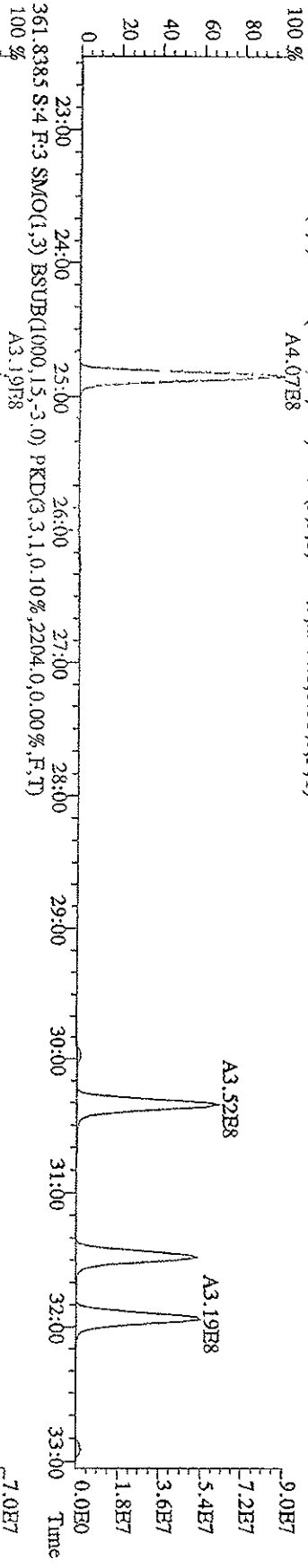




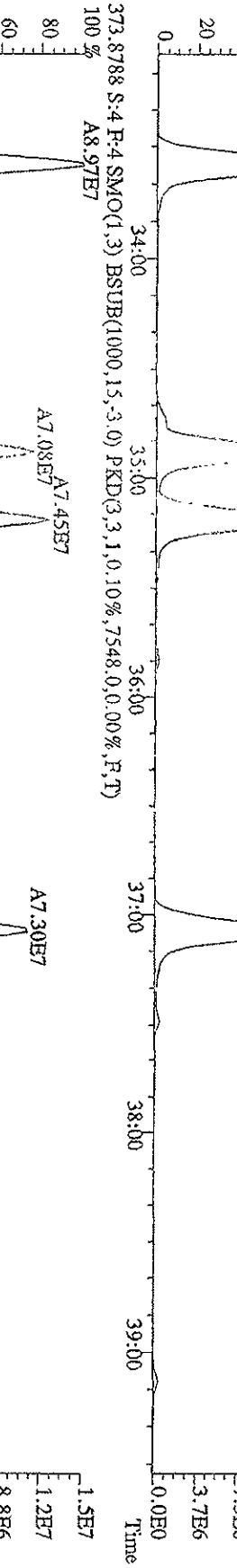
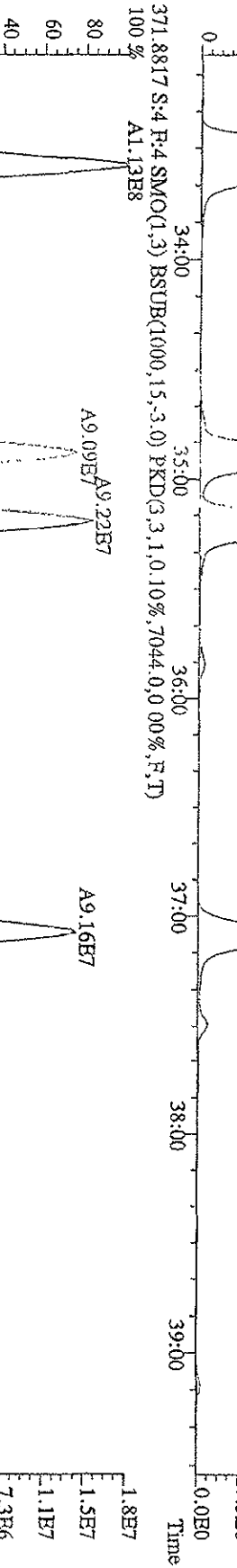
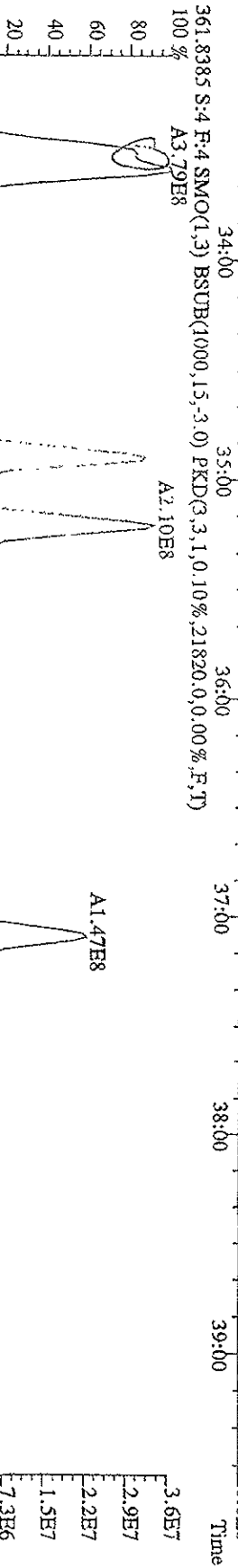
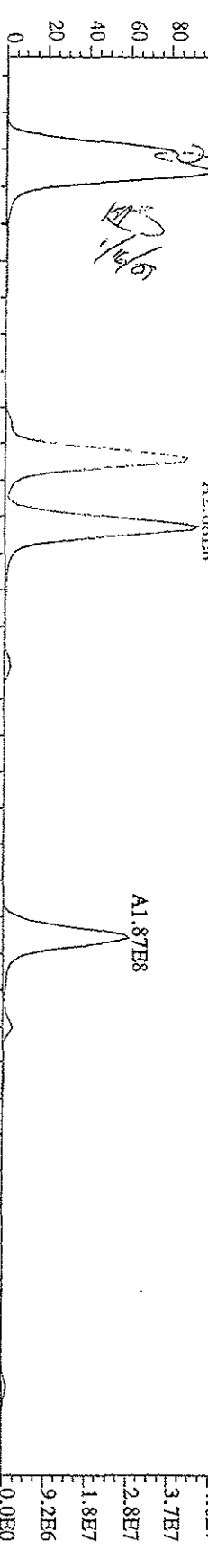
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC BI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DDXN017 Exp: 209DB5  
 323.8834 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,.5536,0,0,00%,F,T)



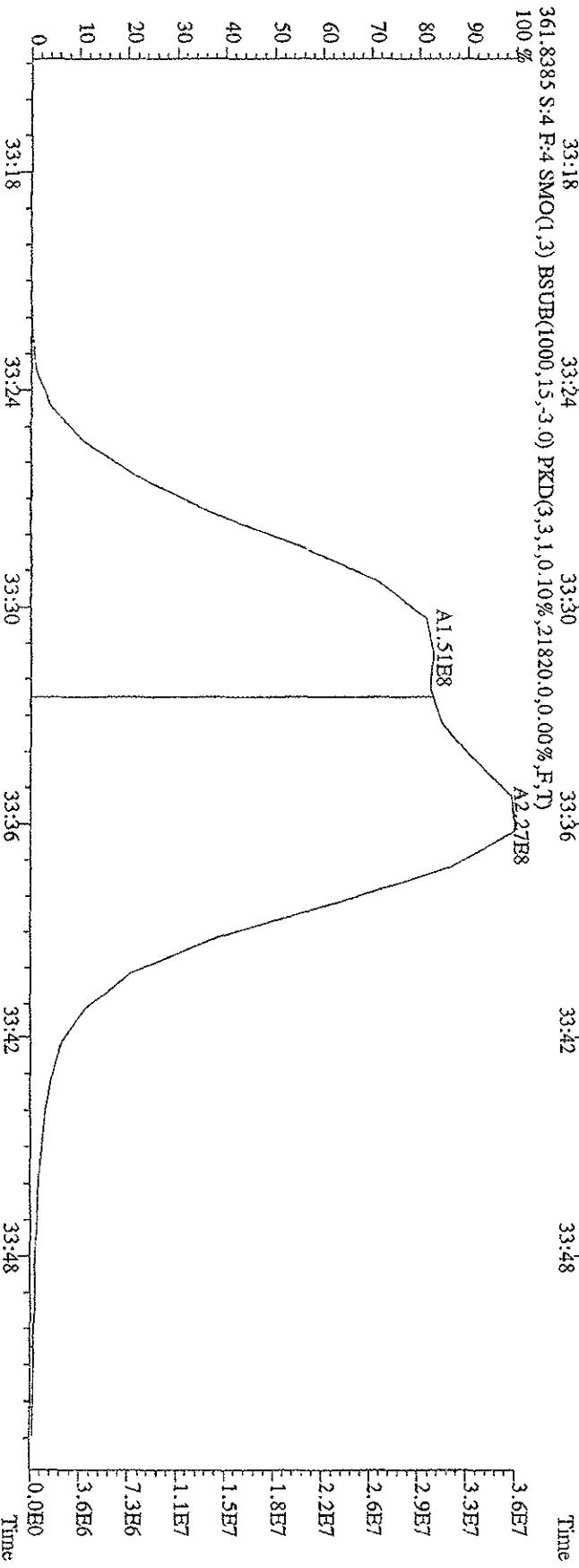
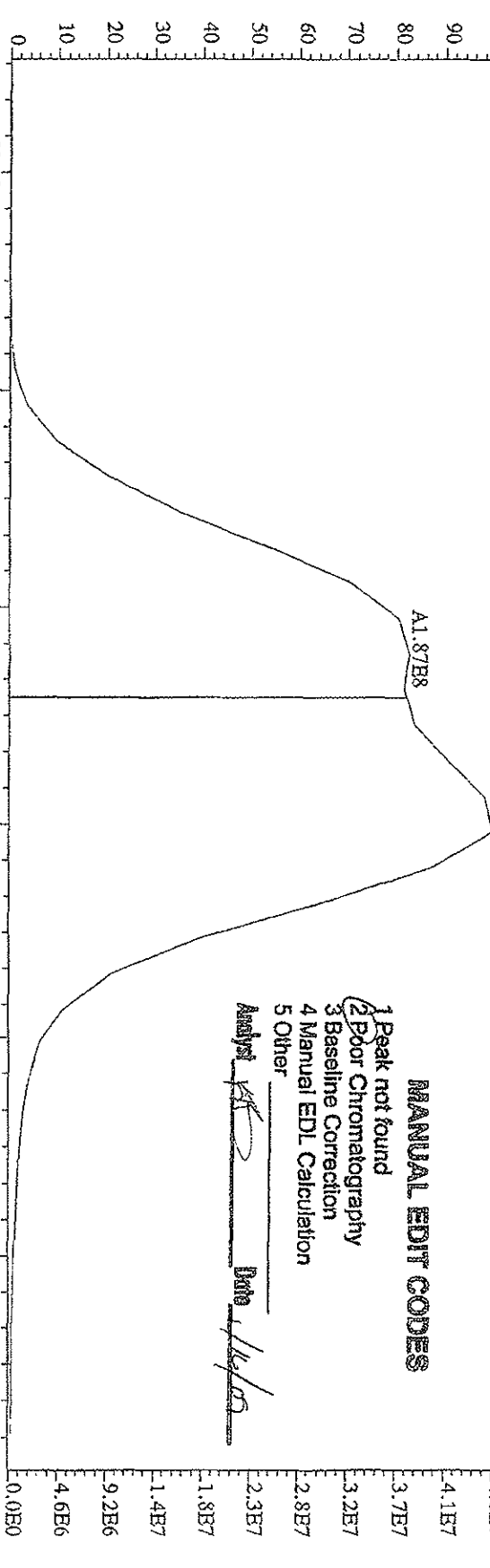
File:15IA09DD9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage:519 Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DDXN017 Exp:209DB5  
 359.8415 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2244,0,0,00%,F,T)  
 100% A4.07E8



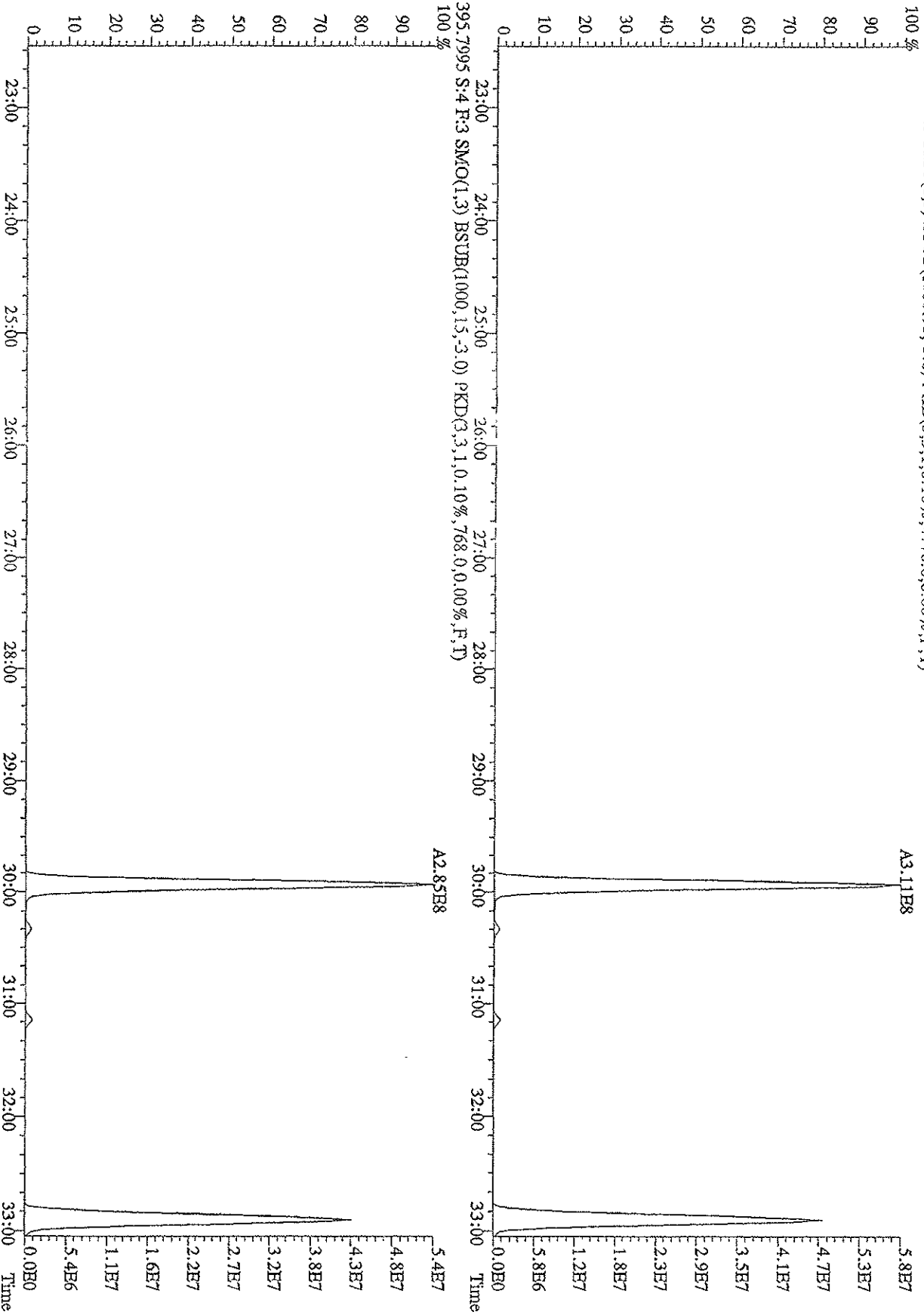
File: 131A09DD9D5 #1-395 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage: SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,27044,0,0,00%,F,T)



File: 151A09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage STR Autospec-UltimaB  
 Sample#4 Text:ST0113C :CS4 09DXN017 Exp:209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,27044,0,0.00%,F,T)  
 100%

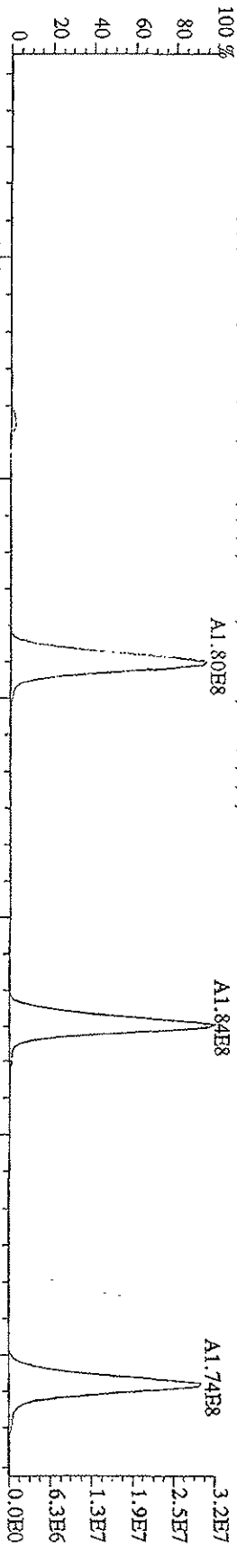


File:151A09D9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 393.8025 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,768,0,0.00%,F,T)

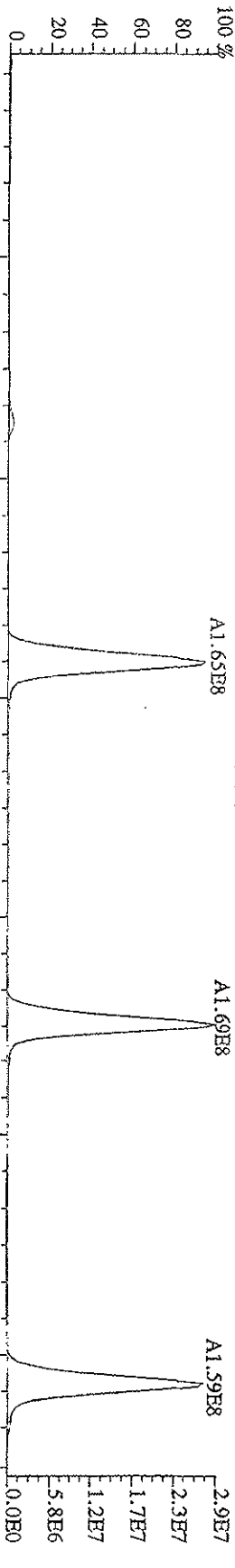


File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltraH  
Sample#4 Text:ST015C :CS4 09DXN017 Exp:209DB5

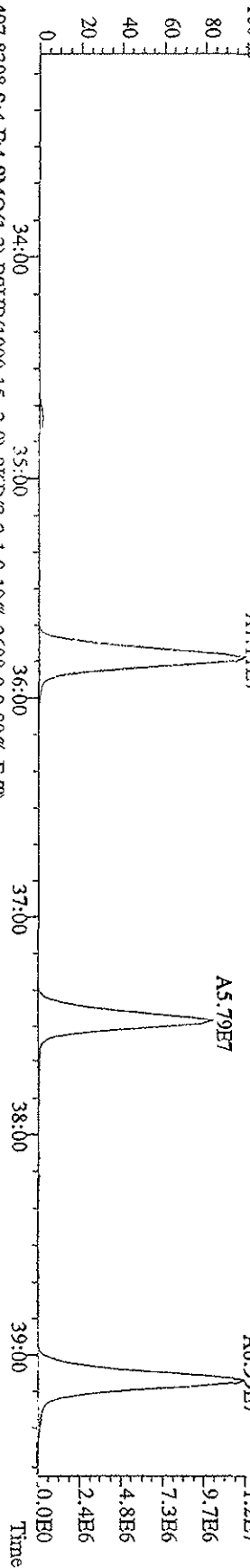
393.8025 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,13760,0,0,00%,F,T)



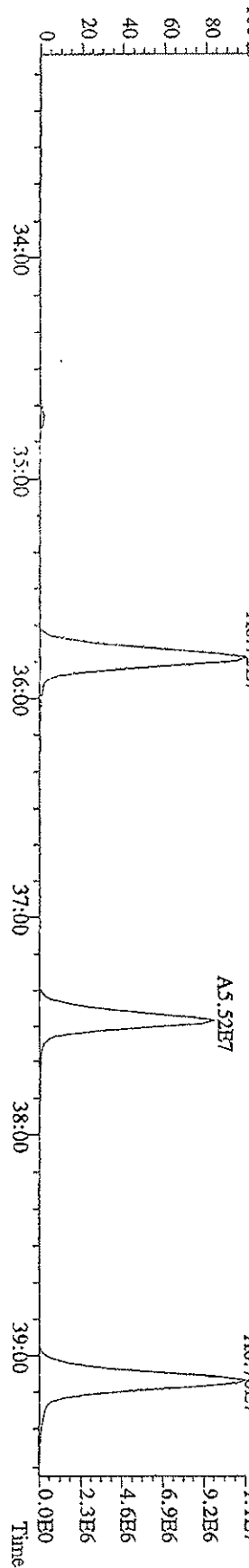
395.7995 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10524,0,0,00%,F,T)



405.8428 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3912,0,0,00%,F,T)

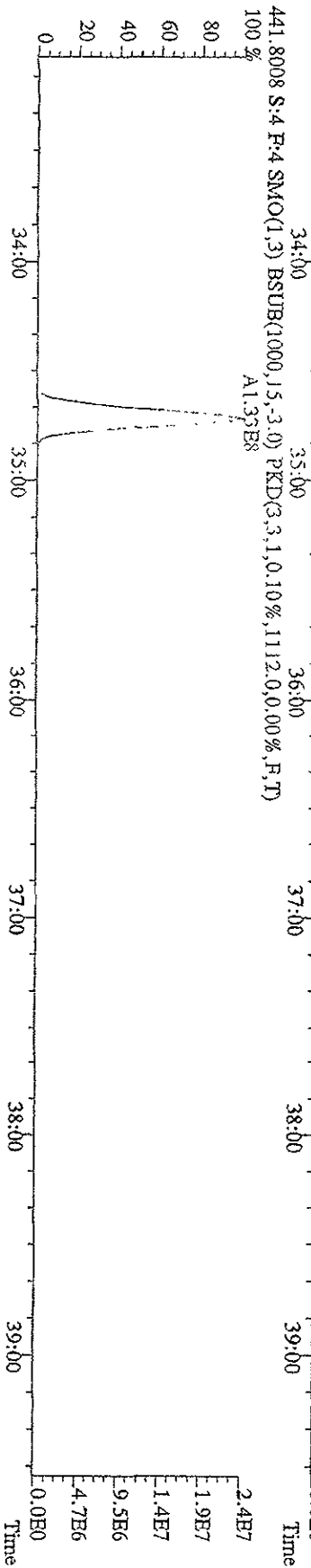
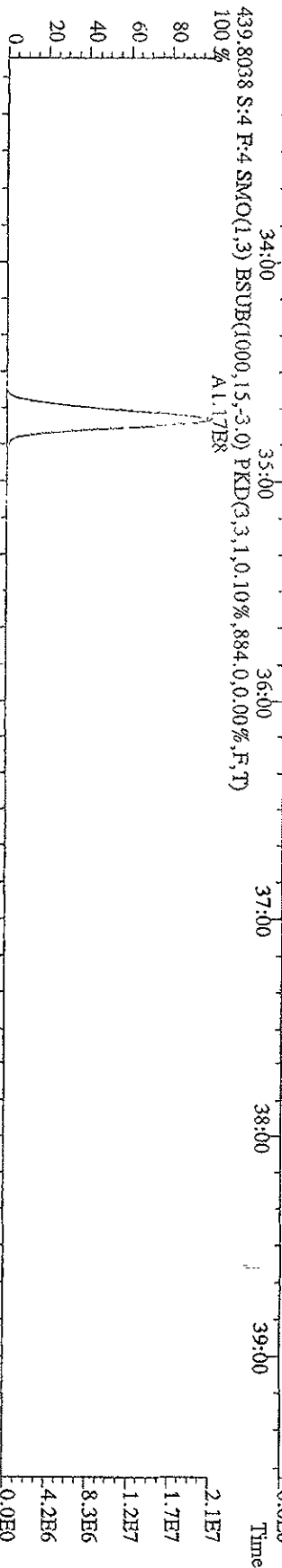
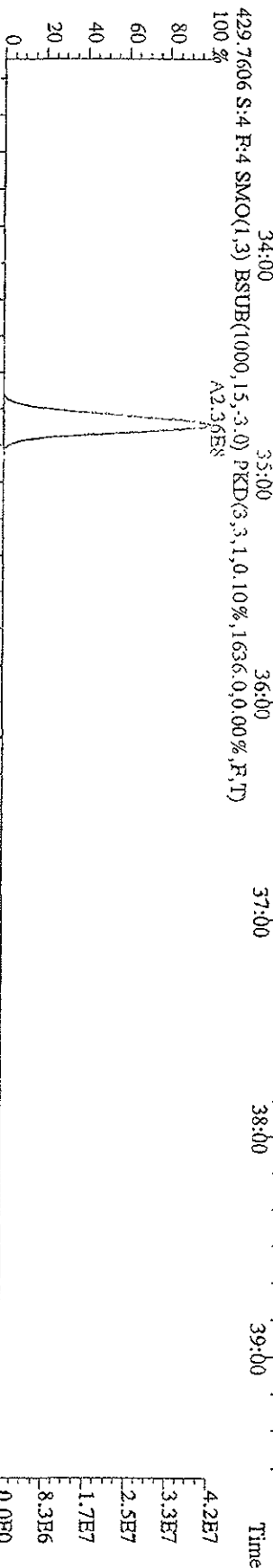
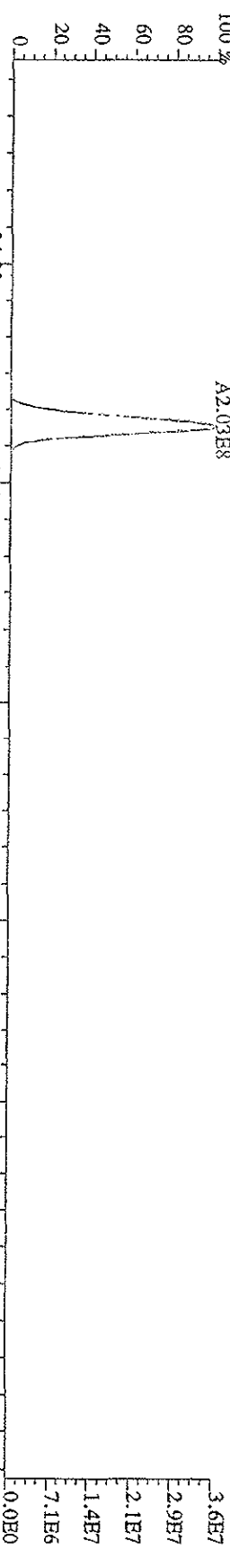


407.8398 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2608,0,0,00%,F,T)



File:15FA09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage 51R Autospec-UltimaE

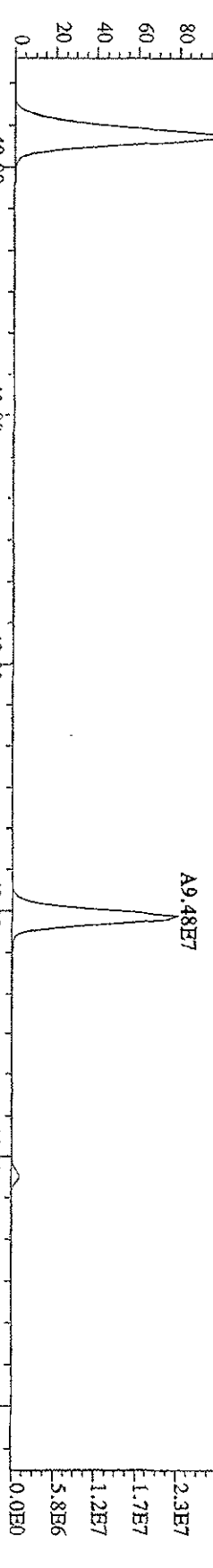
Sample#4 Text:ST015C :CS4 09DXND17 Exp:209DB5



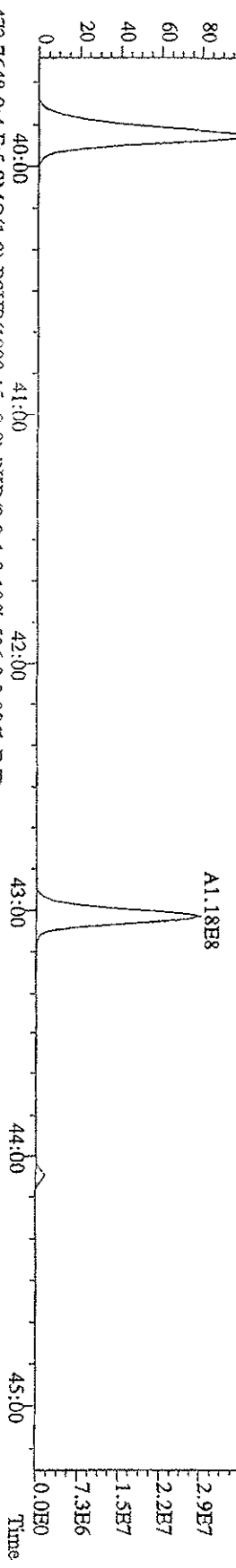




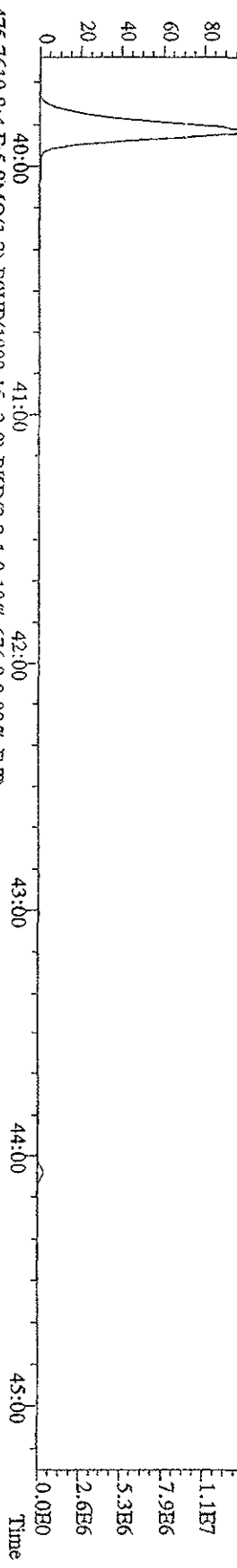
File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4.09DXN017 Exp:209DB5  
 461.7245 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1952,0,0,00%,F,T)  
 100% A1.50E8



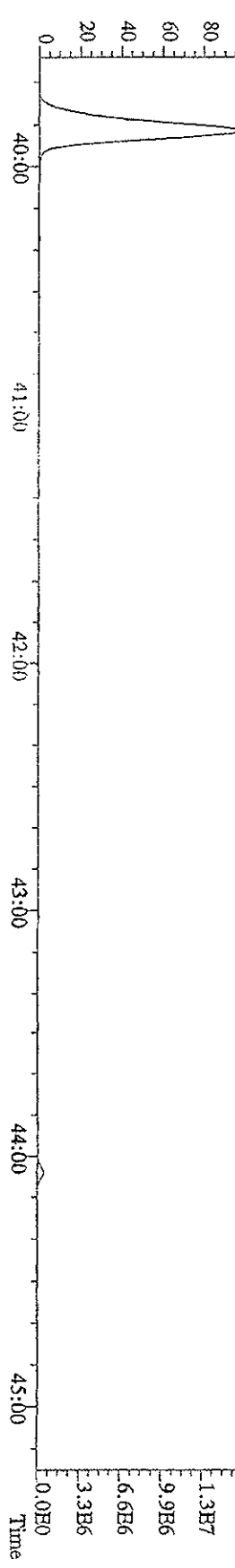
463.7216 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2048,0,0,00%,F,T)  
 100% A1.89E8



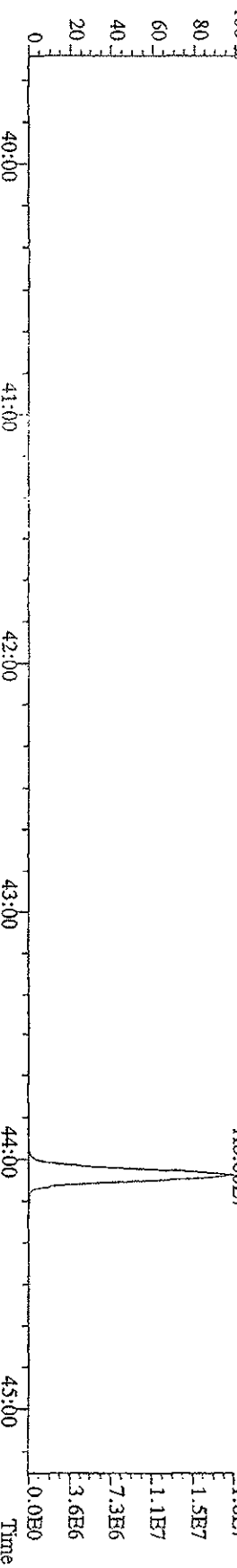
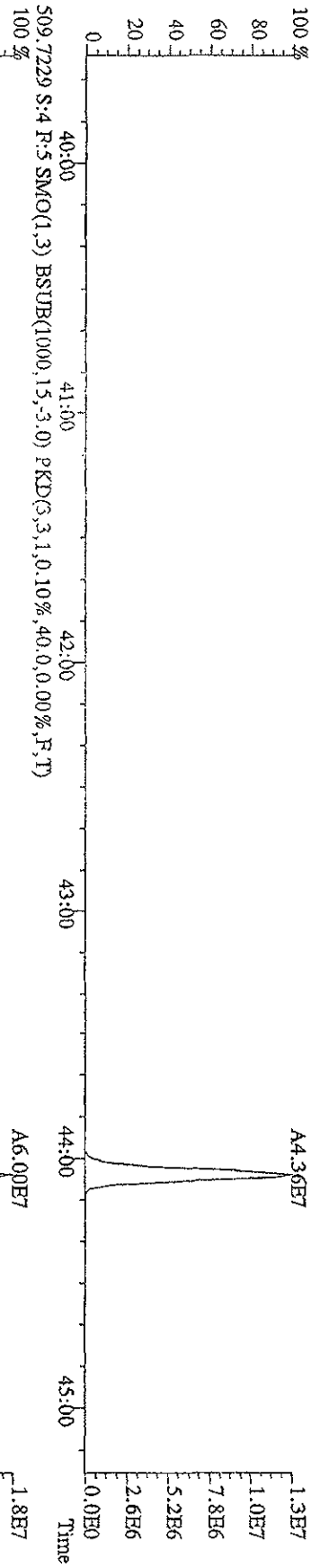
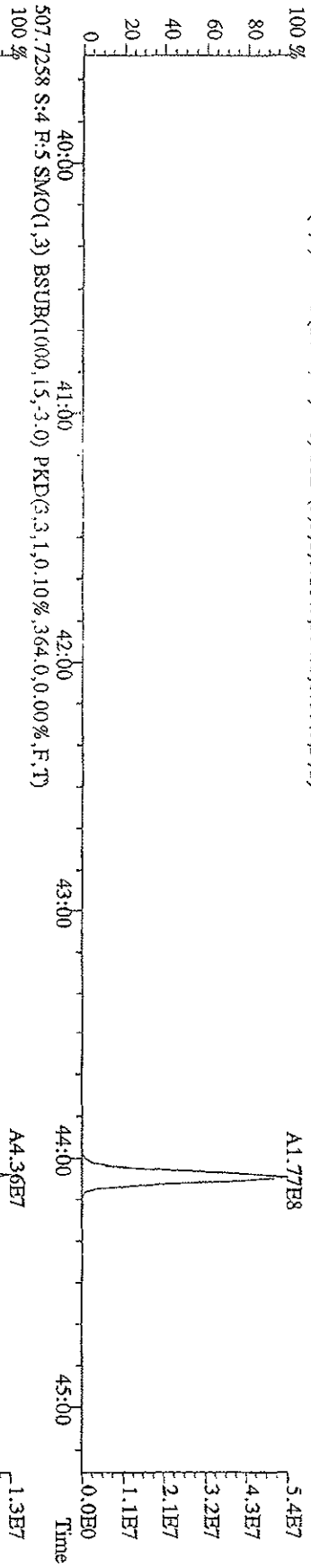
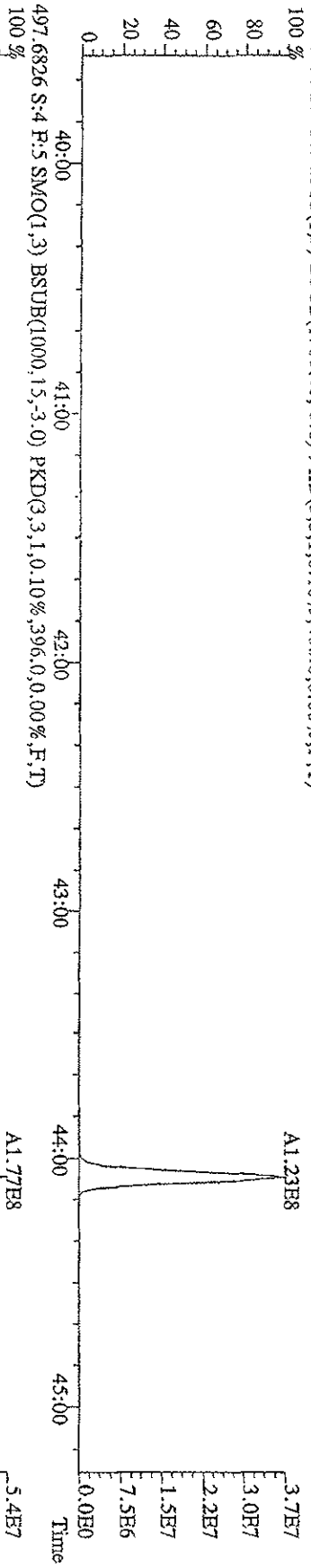
473.7648 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,536,0,0,00%,F,T)  
 100% A6.79E7



475.7619 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,676,0,0,00%,F,T)  
 100% A8.47E7

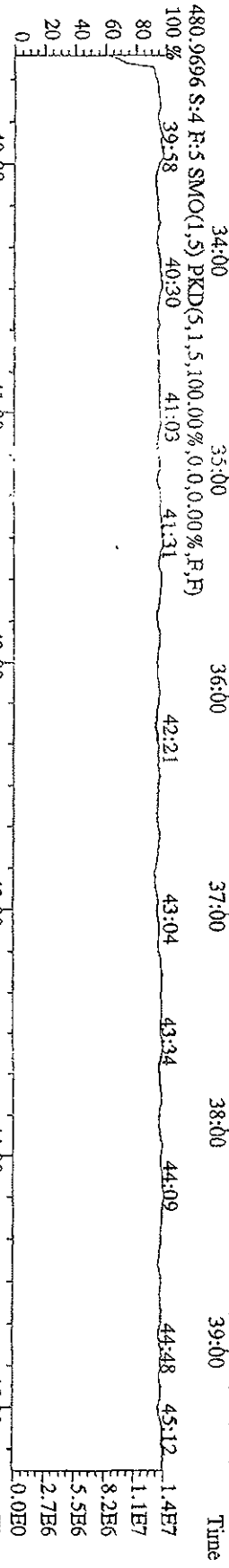
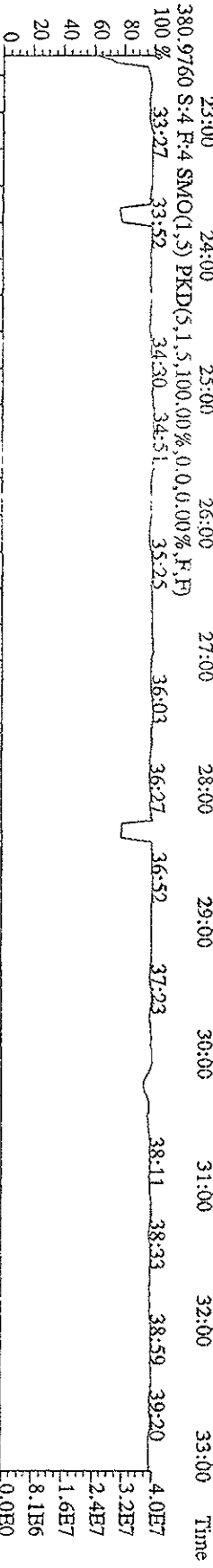
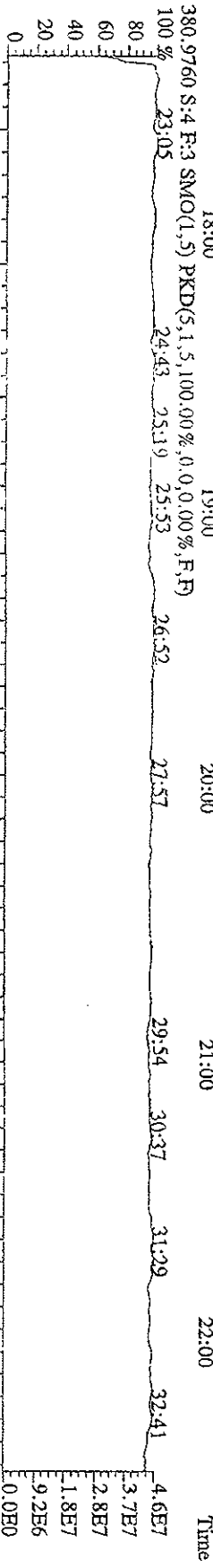
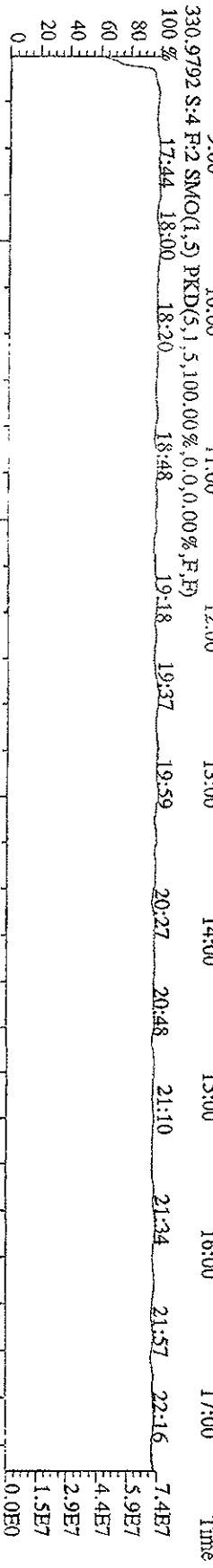
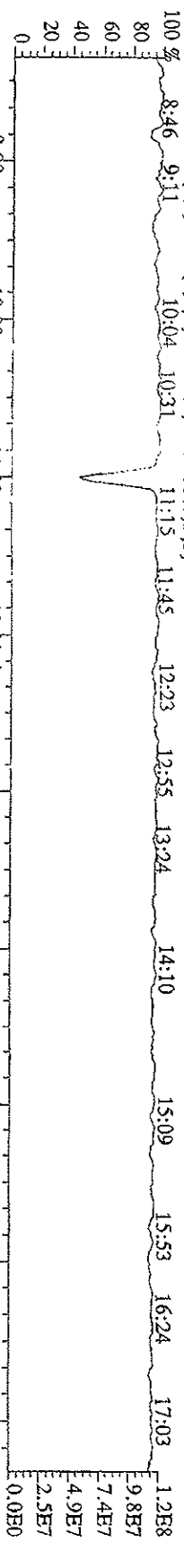


File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC:EI+ Voltage:50V Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXXN017 Exp:209DB5  
 495.6856 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,408.0,0.00%,F,T)



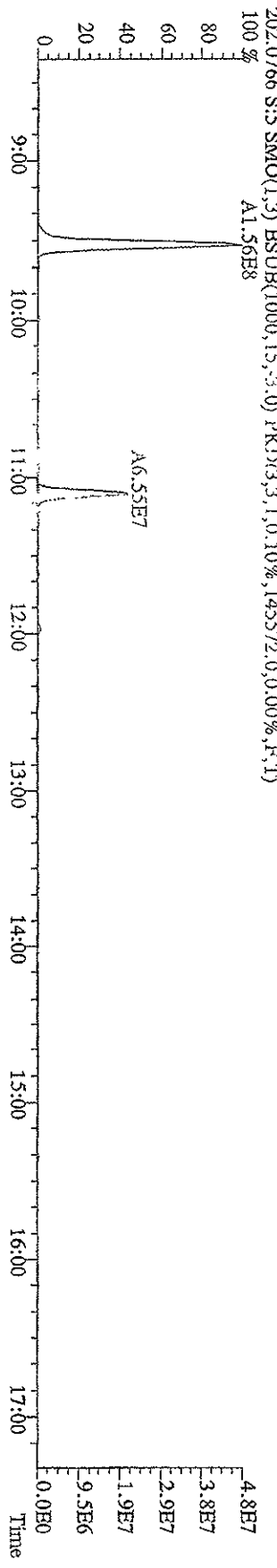
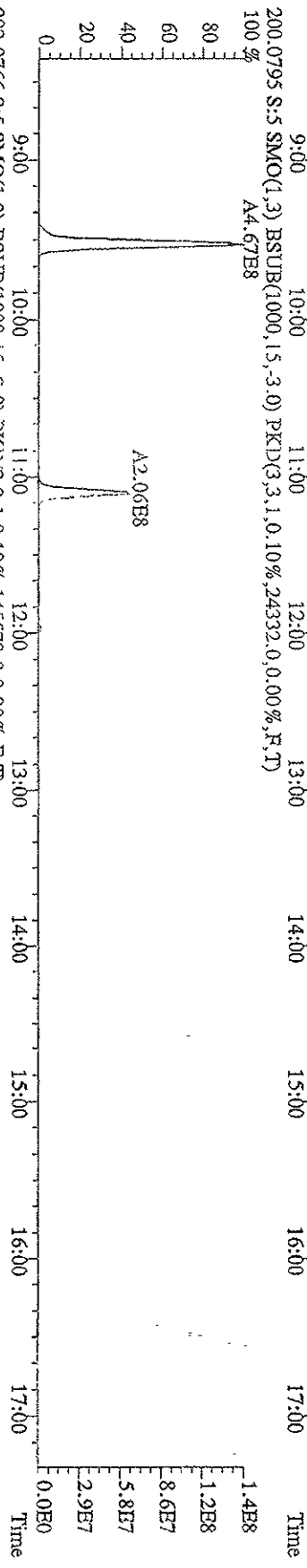
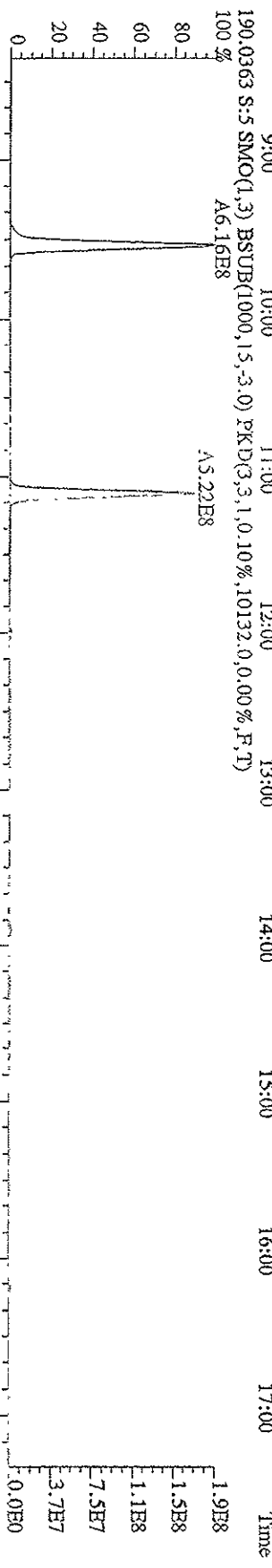
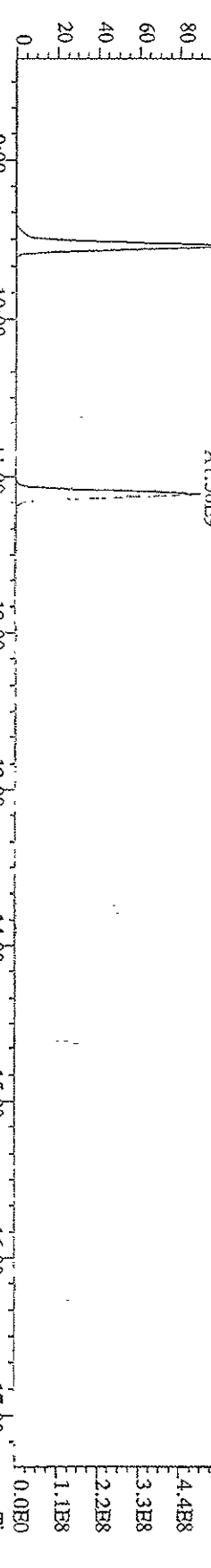
File:151A09D9D5 #1-609 Acq:15 JAN-2009 22:59:23 GC EI+ Voltage SFR Autospec-Ultimate

Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5

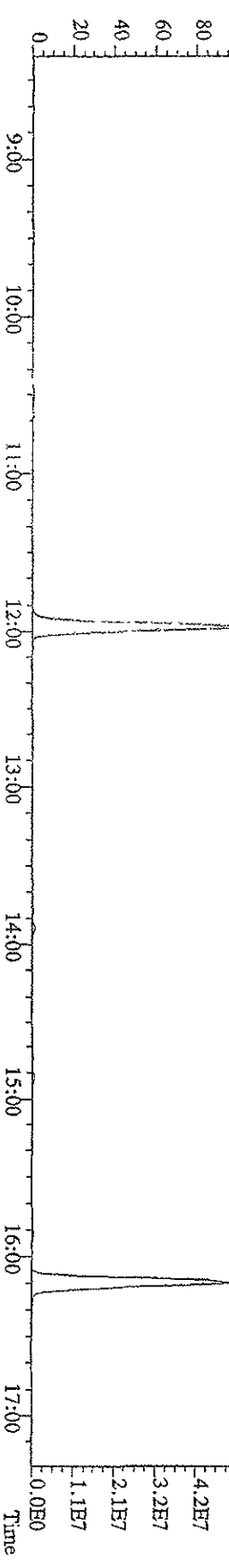
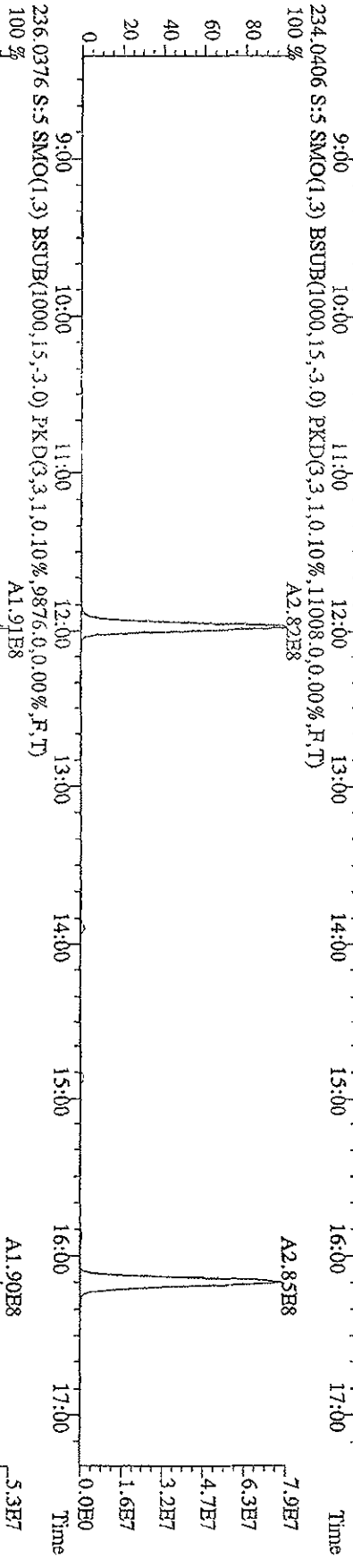
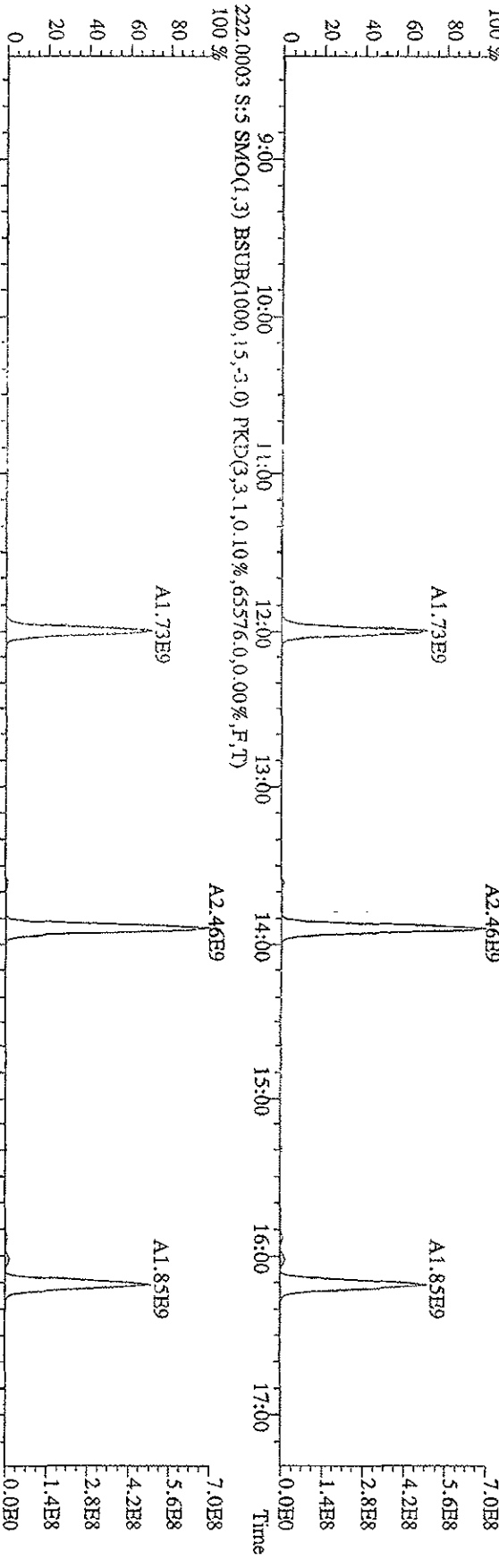


File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 23:50:45 GC E1+ Voltage SIR Autospec-UltimaE

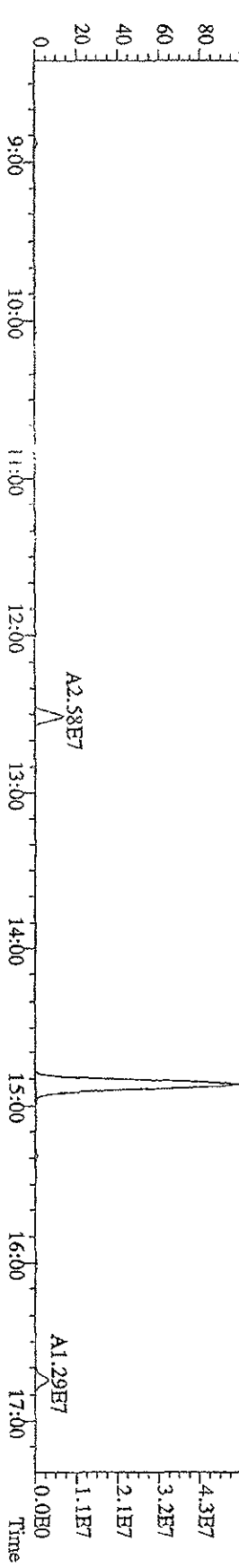
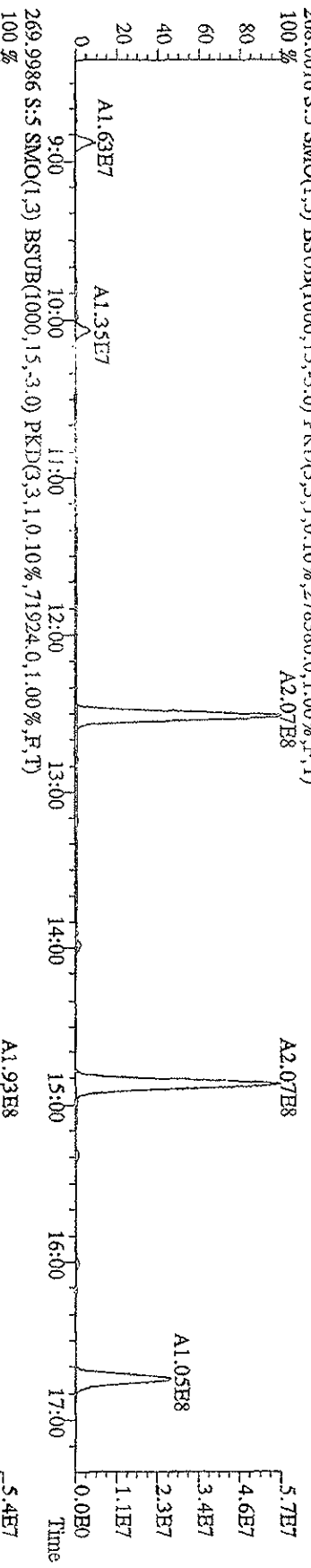
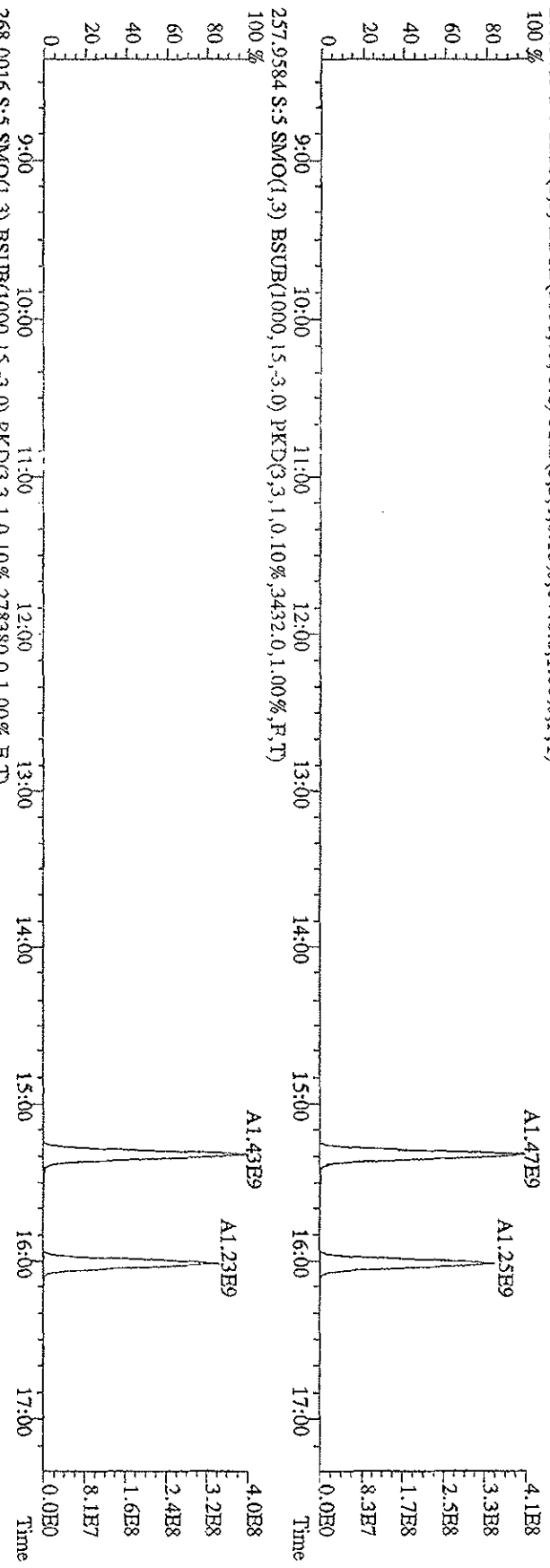
Sample#5 Text: ST0115D :CSS 09DXN018 Exp: 209DB5



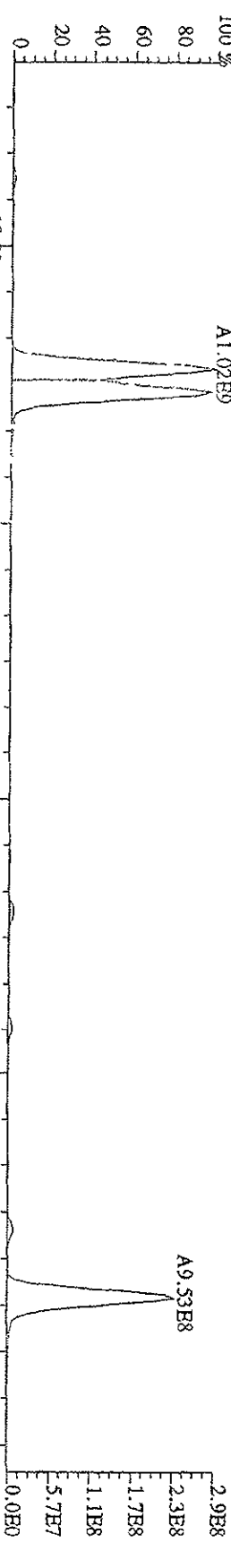
File:15IA09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimat  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 222.0003 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,65576,0,0,00%,F,T)



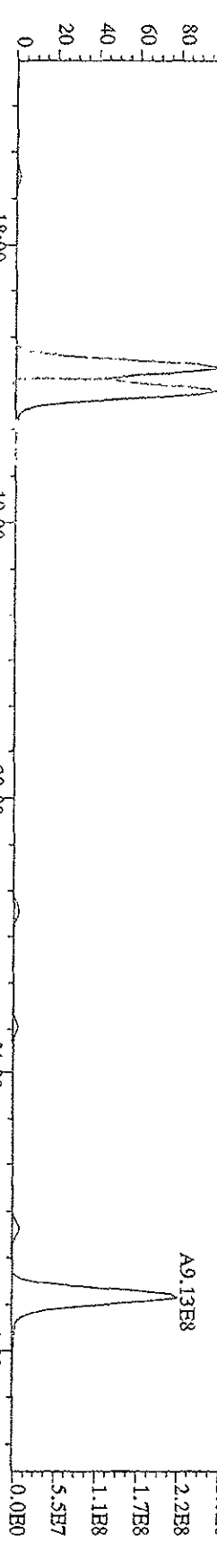
File:15TA09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CS5 09DXM018 Exp:209DB5  
 255.9613 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,6440.0,1.00%,F,T)



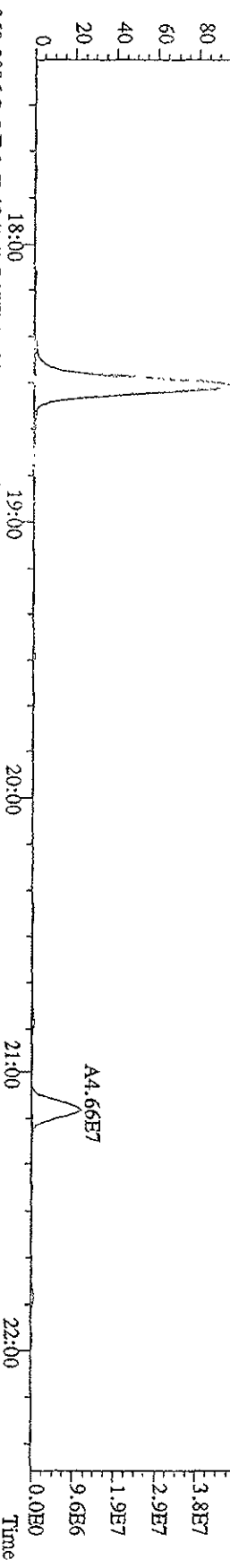
File:151A09D9D5 #1-371 Acq:15-JAN-2009 23:50:45 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 255.9613 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,.30152,0,1,00%,F,T)  
 100% A1.02E9



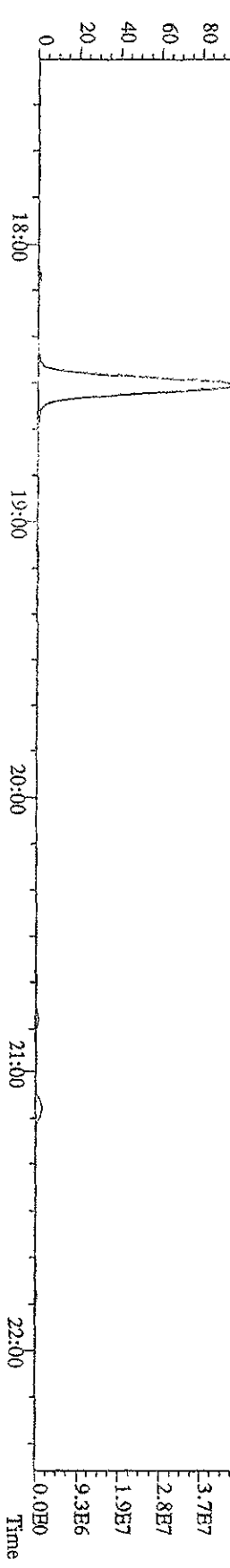
257.9584 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,.23288,0,1,00%,F,T)  
 100% A9.90E8



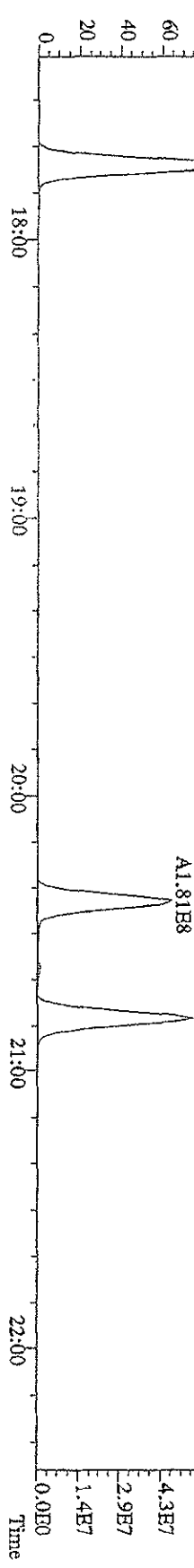
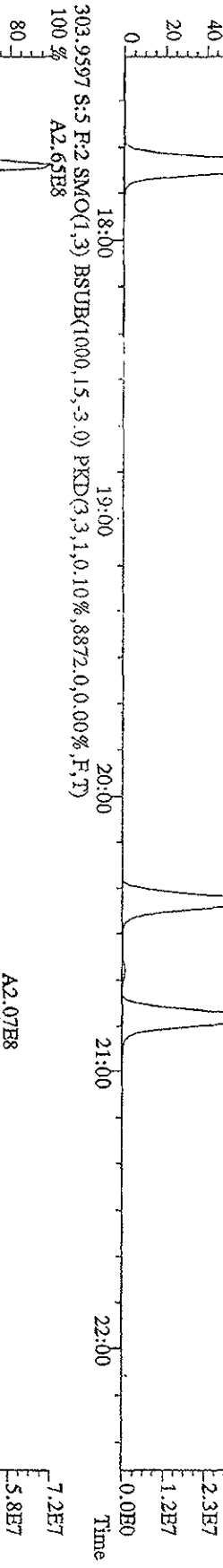
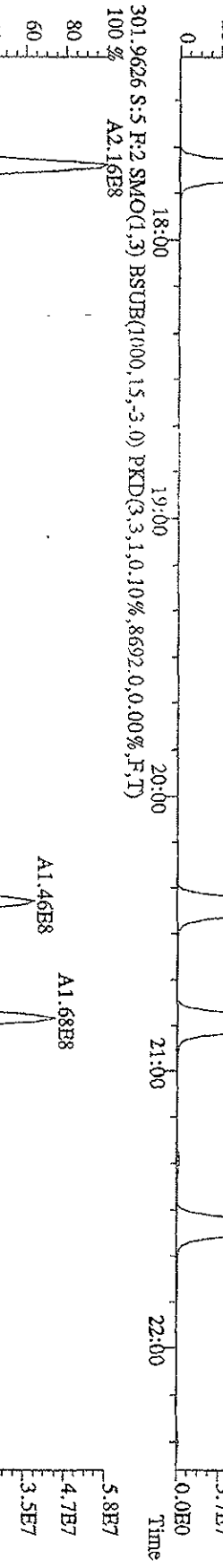
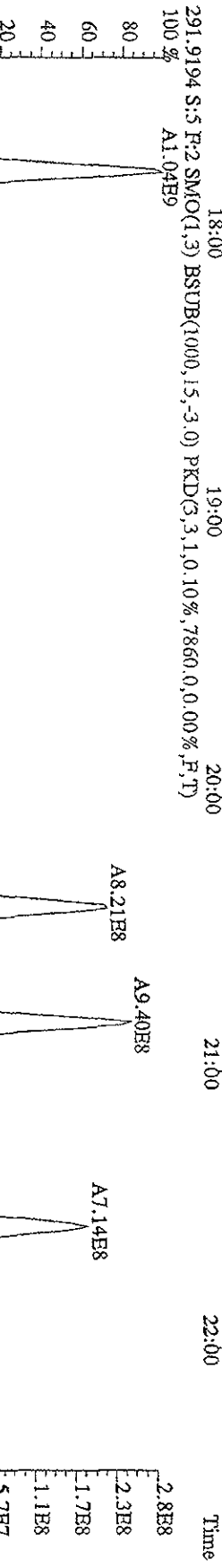
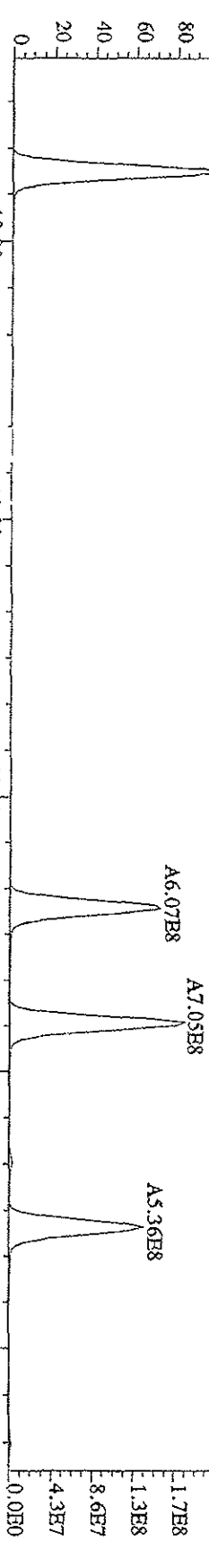
268.0016 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,.114768,0,1,00%,F,T)  
 100% A1.88E8



269.9986 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,.97564,0,1,00%,F,T)  
 100% A1.74E8

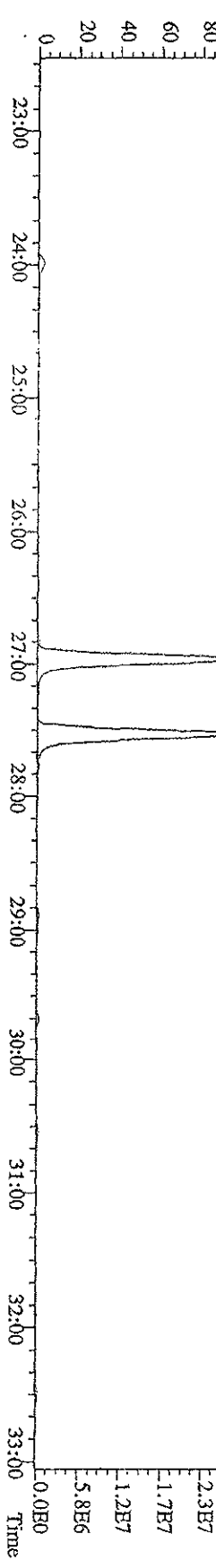
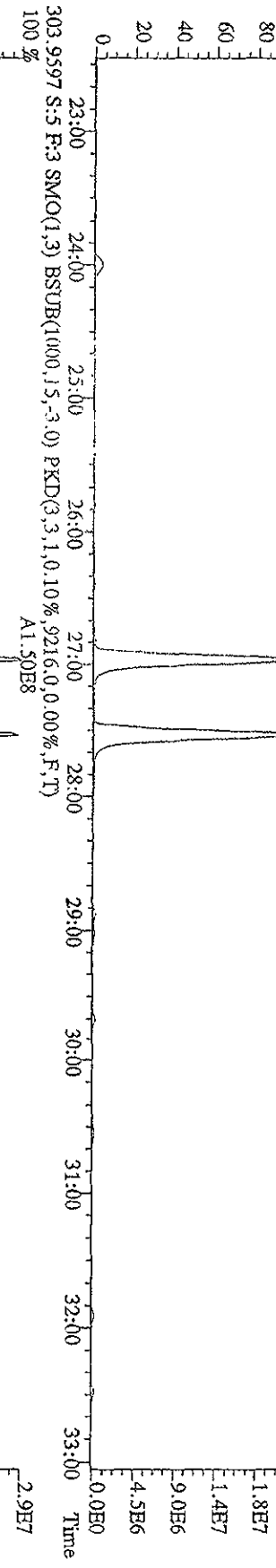
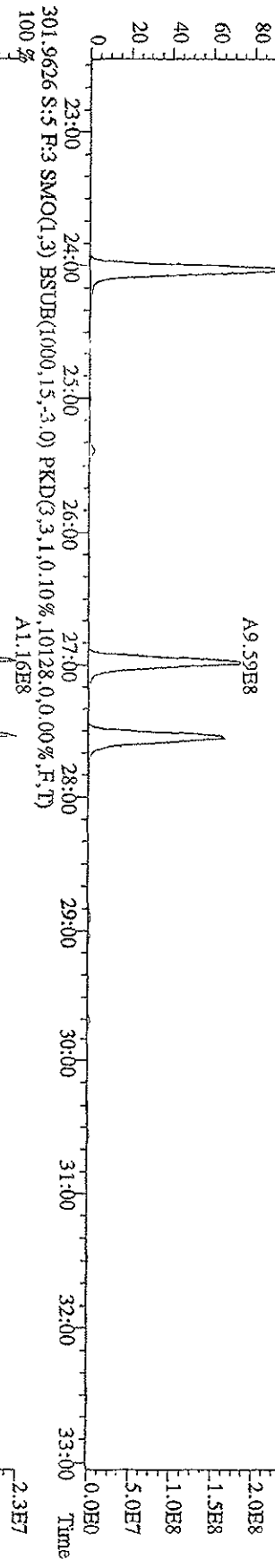
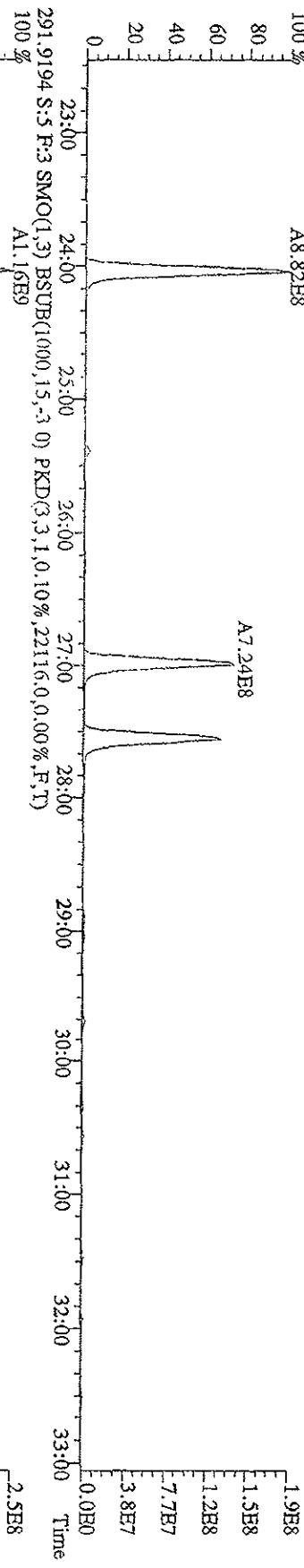


File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage STR Autospec-Ultimate  
 Sample# 5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 289.9224 S: 5 F: 2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6504,0,0,00%,F,T)

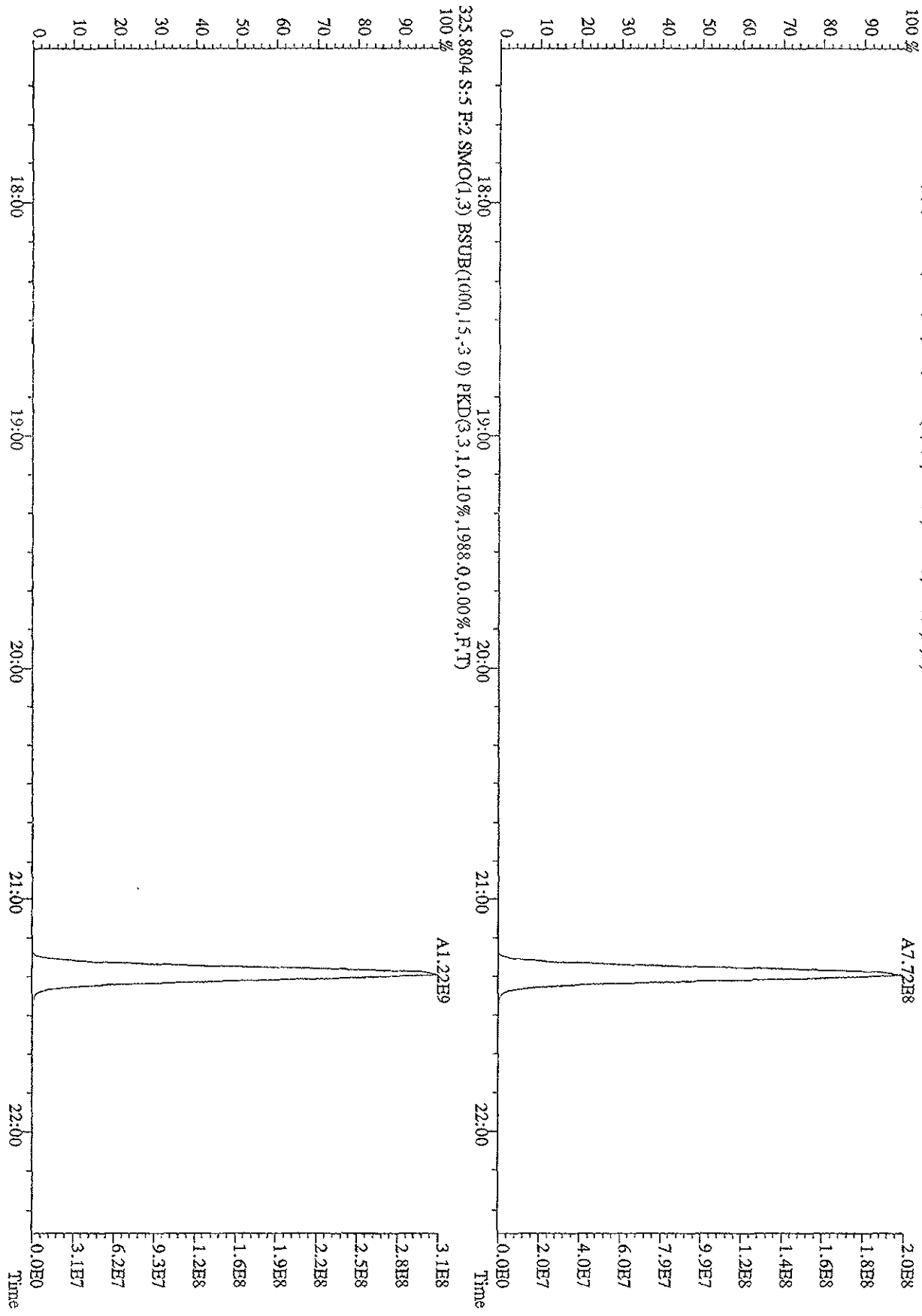




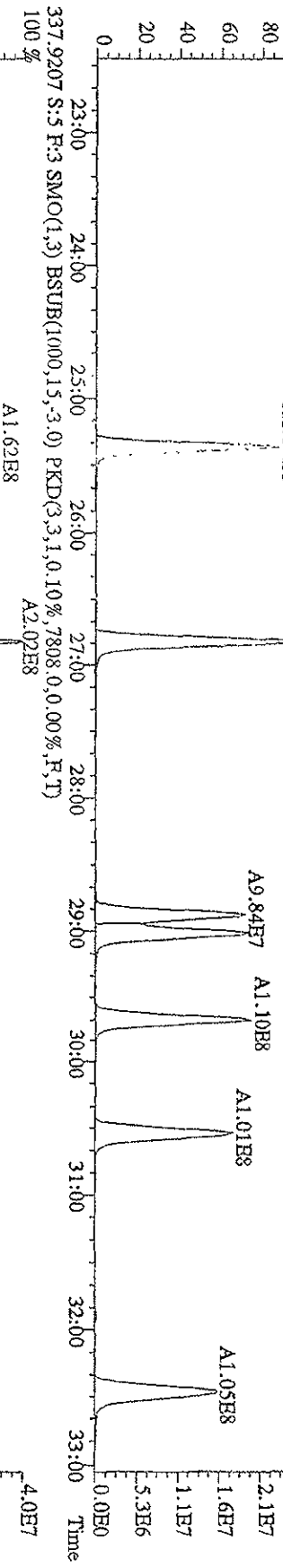
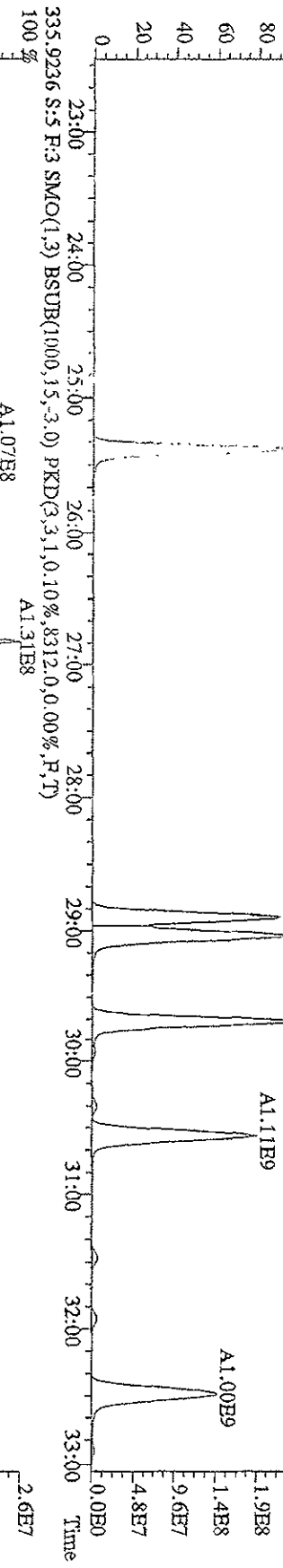
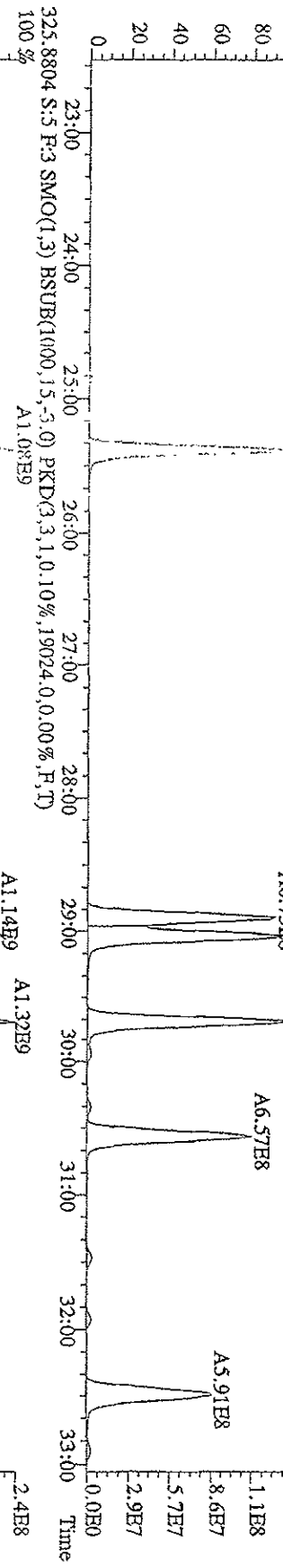
File:151A09D9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC HI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,17240,0,0,00%,F,T)  
 A8.82E8



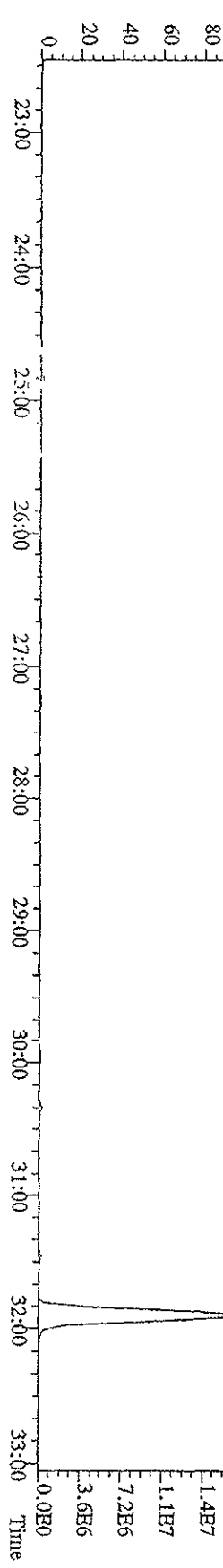
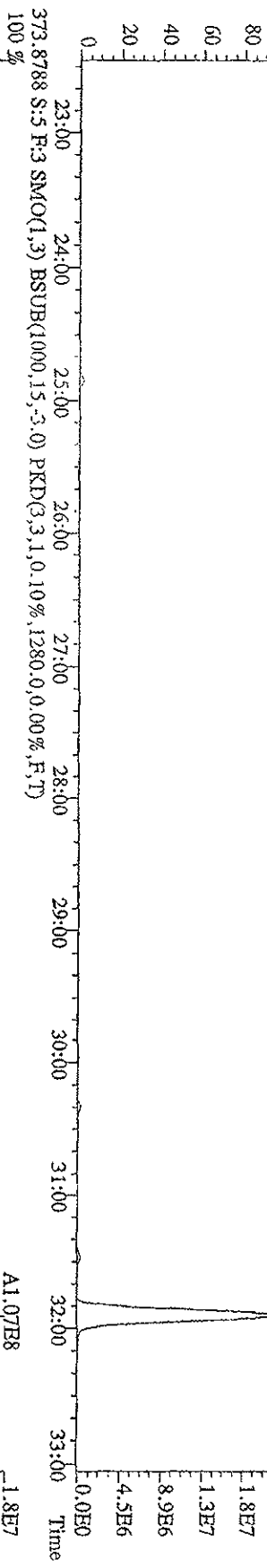
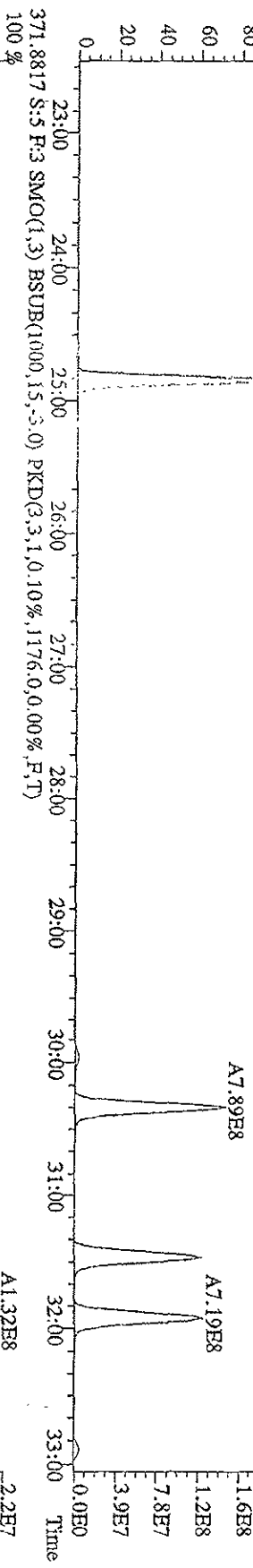
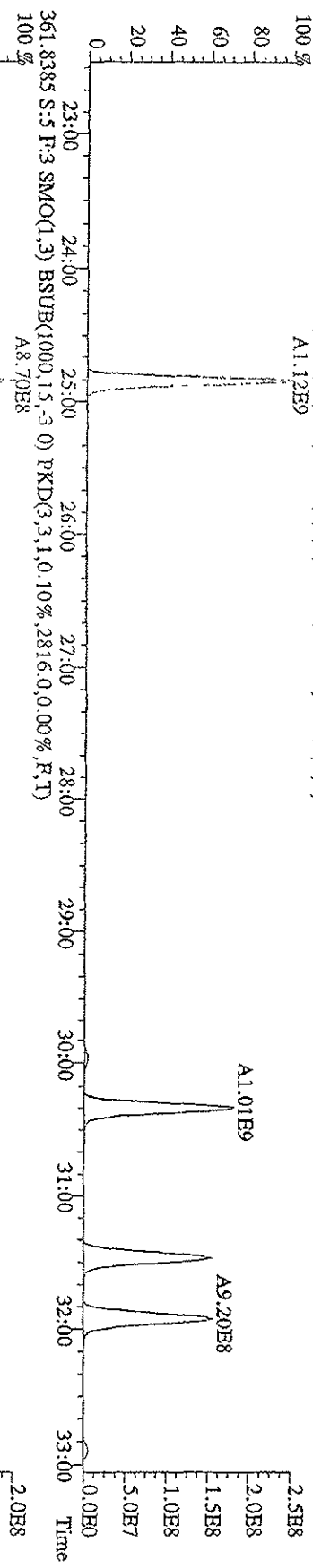
File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimah  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 323.8834 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1988,0,0,00%,F,T)



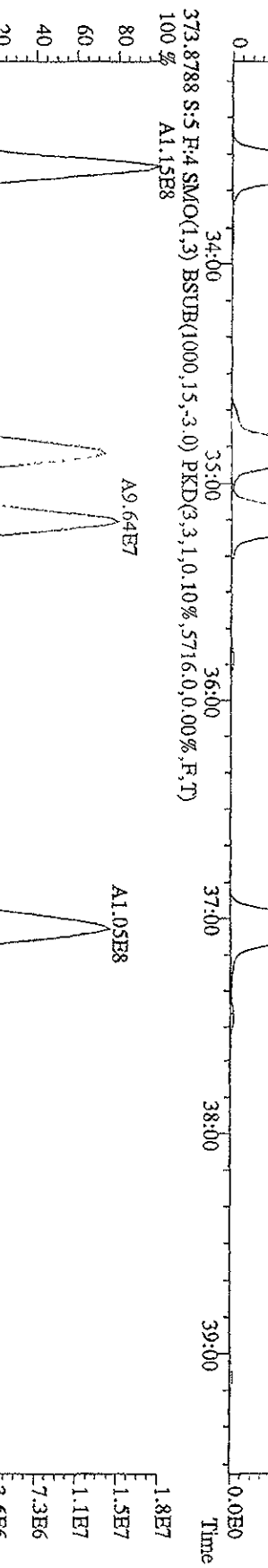
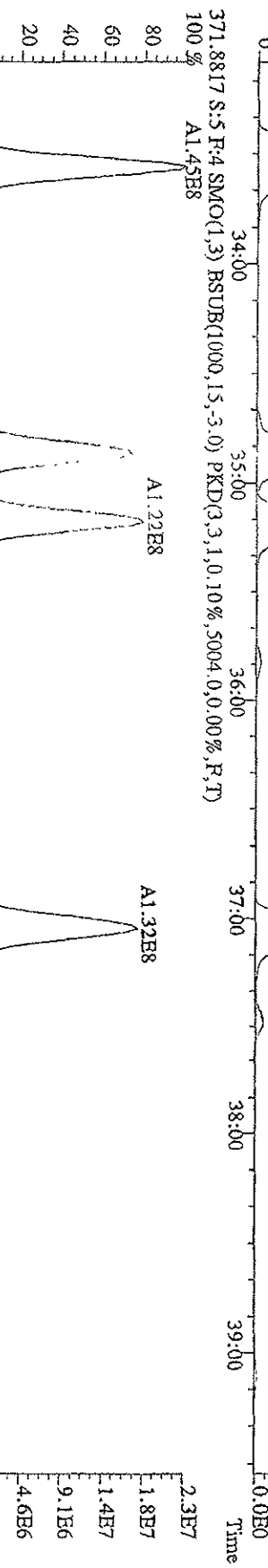
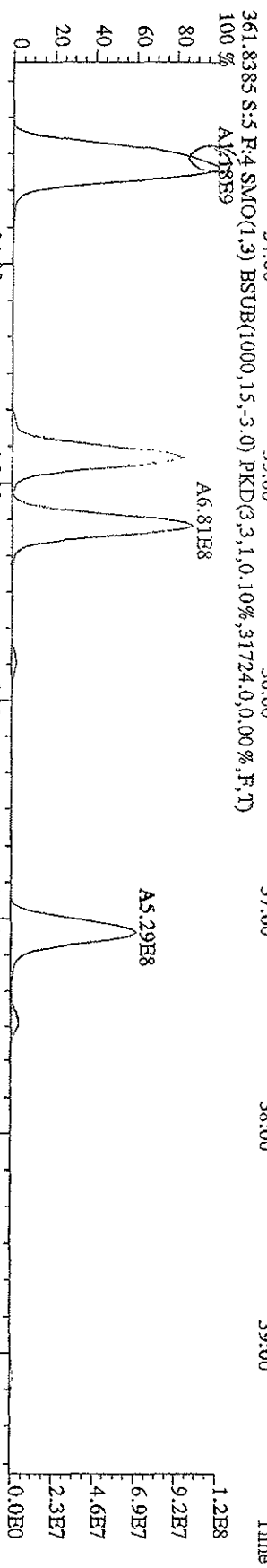
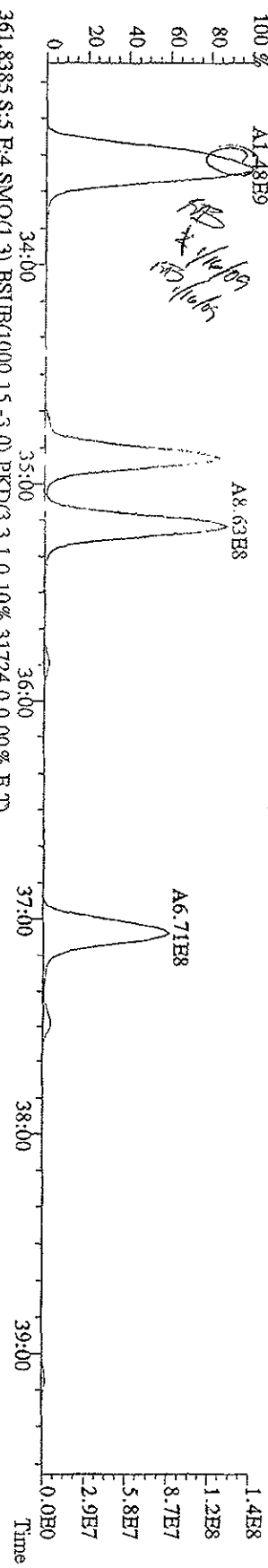
File:15J A09D9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UHimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 323.8804 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7552,0,0,00%,F,T)  
 100 % A6.32E8



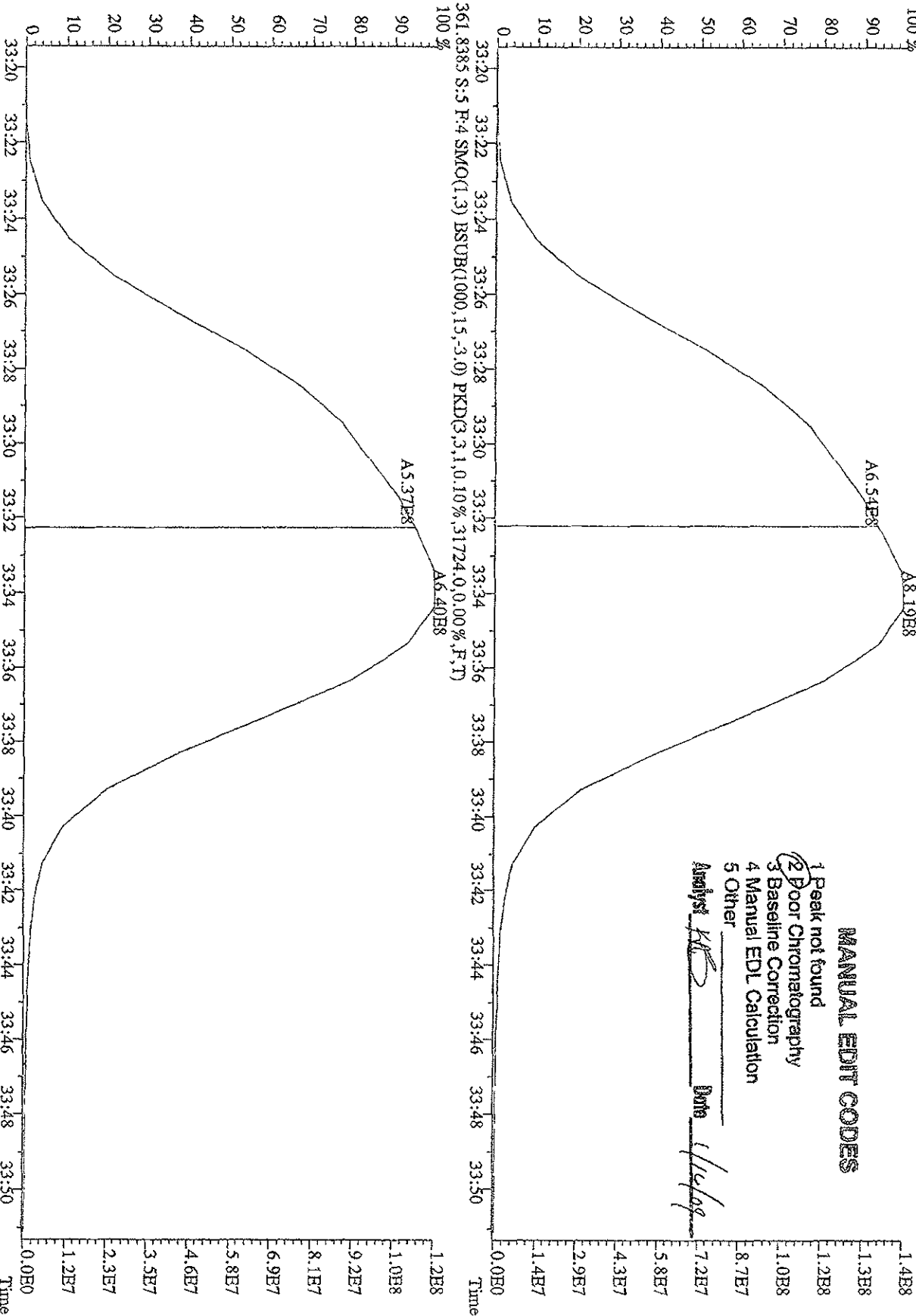
File:151A09D9D5 #1-597 Acq:15-JAN-2009 23:30:45 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 359.8415 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2788,0,0,00%,F,T)  
 100% A1.12E9



File:151A09D9D5 #1-395 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0112D :CSS 091DXM018 Exp:209DB5  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,45220,0,0,00%,F,T)  
 100 % A1.48E8



File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 359.8415 S: 5 F: 4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,45220,0,0,00%,F,T)

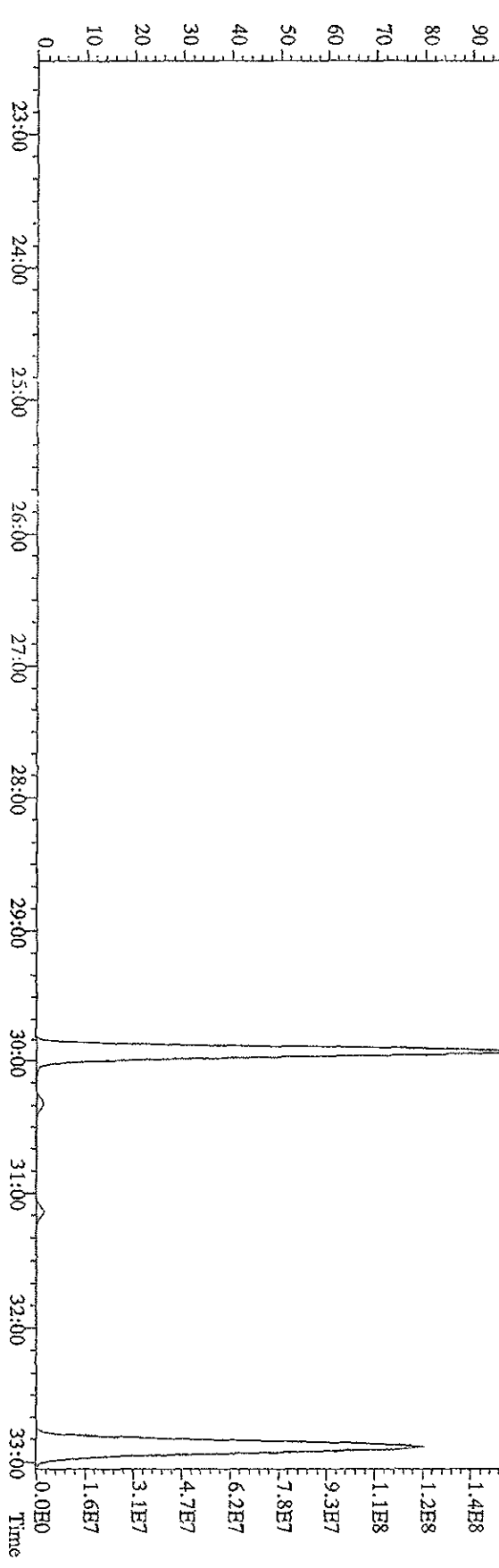
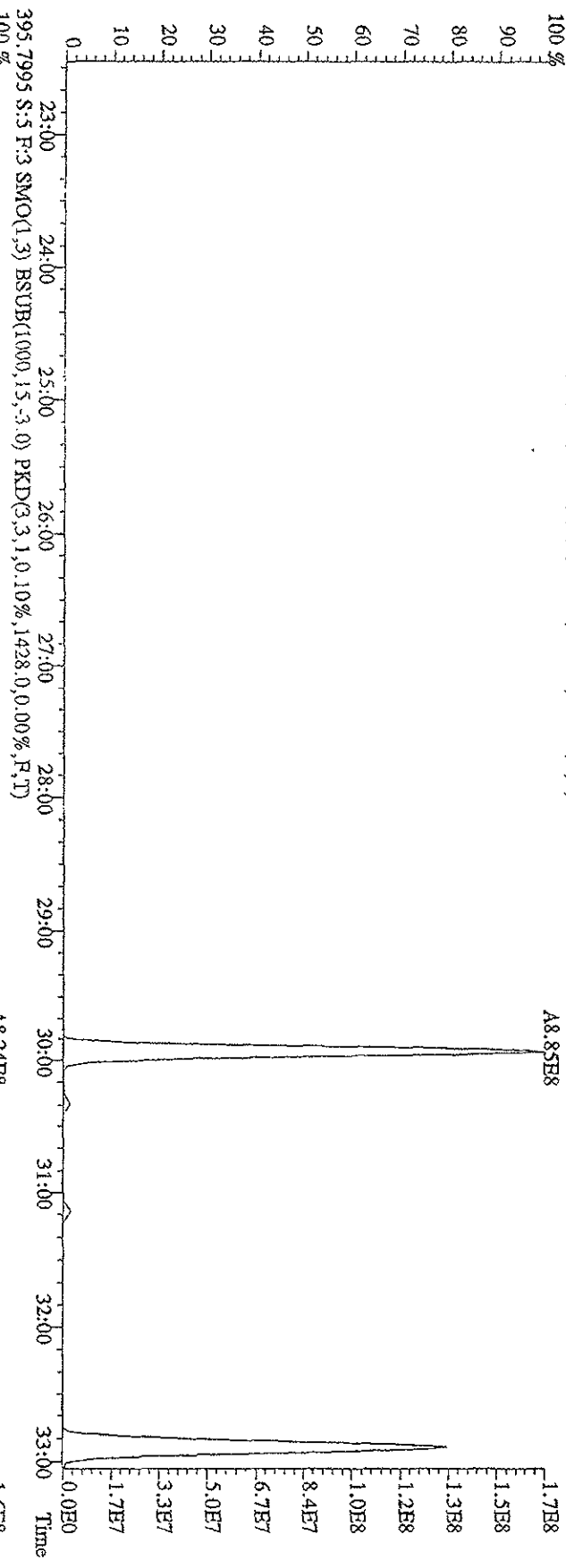


**MANUAL EDIT CODES**

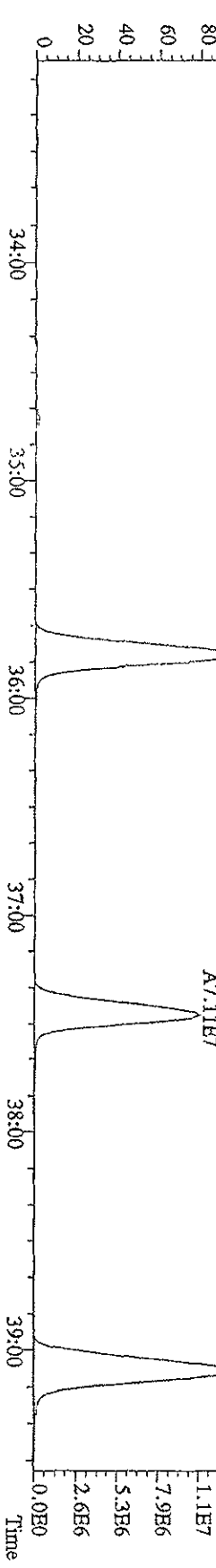
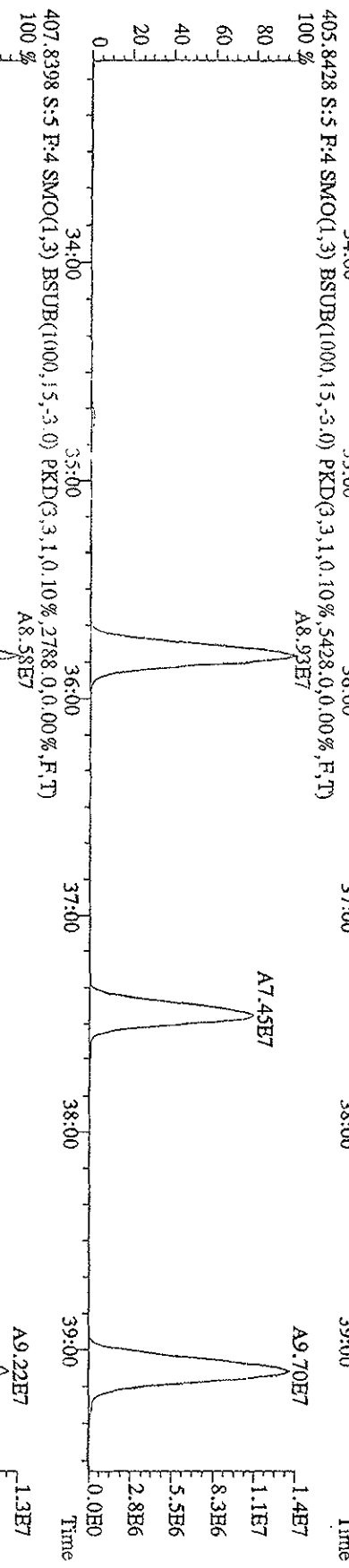
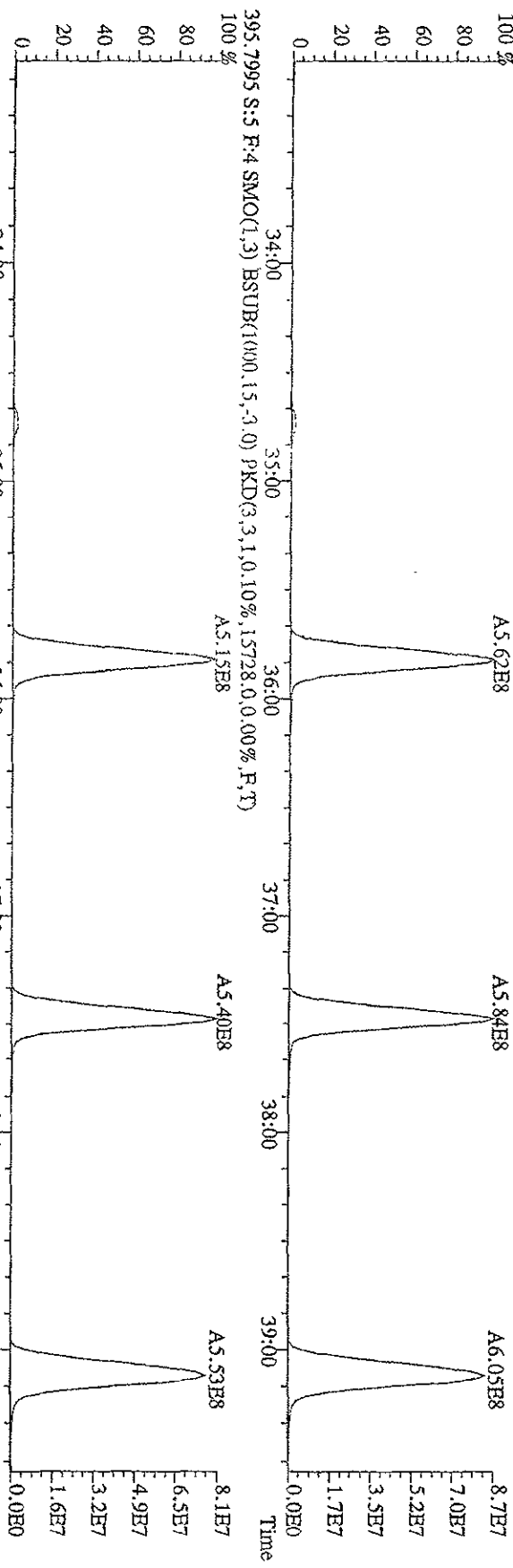
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst KCB Date 1/16/09

File:151A09D9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC BI+ Voltage SIR Autospec-UHimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 393.8025 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,4844,0,0.00%,F,T)  
 100 %



File:151A09D9D5 #1-395 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultima R  
 Sample:#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 393.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,20836,0,0,00%,F,T)  
 100 %





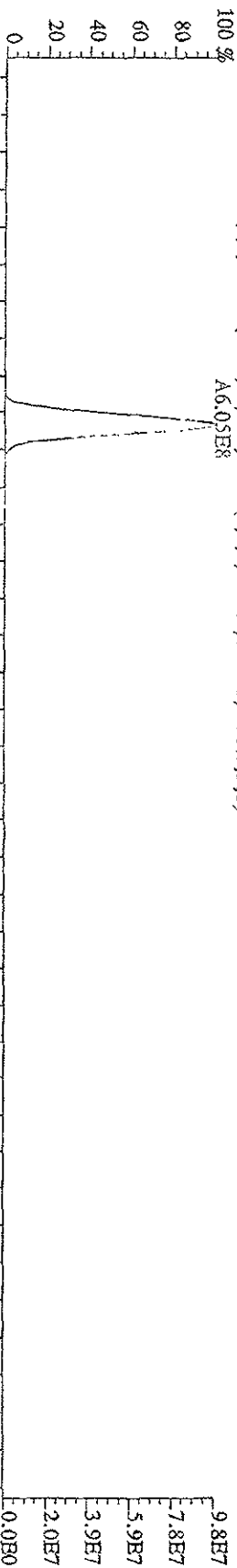
File:151A09D9D5 #1-395 Acq:15-JAN-2009 23:50:45 GC BF+ Voltage SIR Autospec-Ulimate

Sample#5 Text:ST0115D :CSS 09DXN018

Exp:209DB5

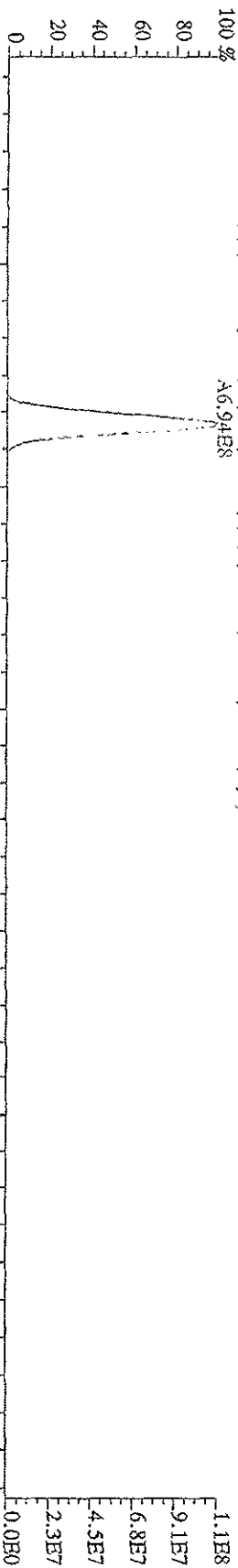
427.7635 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1488,0,0,00%,F,T)

A6.05E8



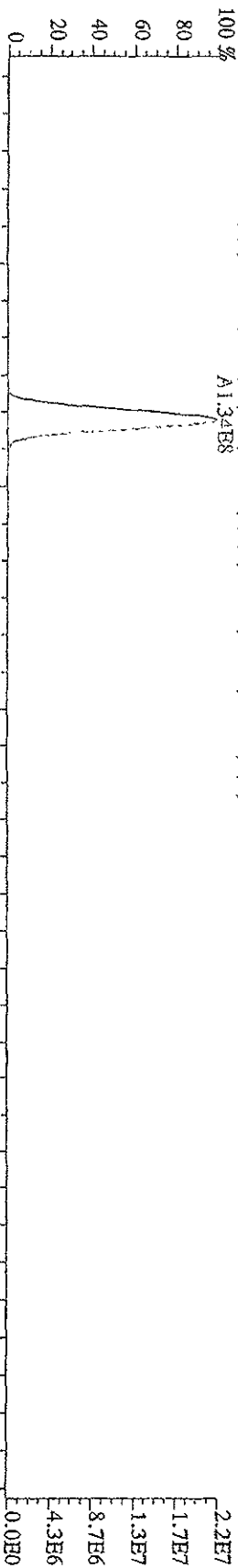
429.7606 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,4000,0,0,00%,F,T)

A6.94E8



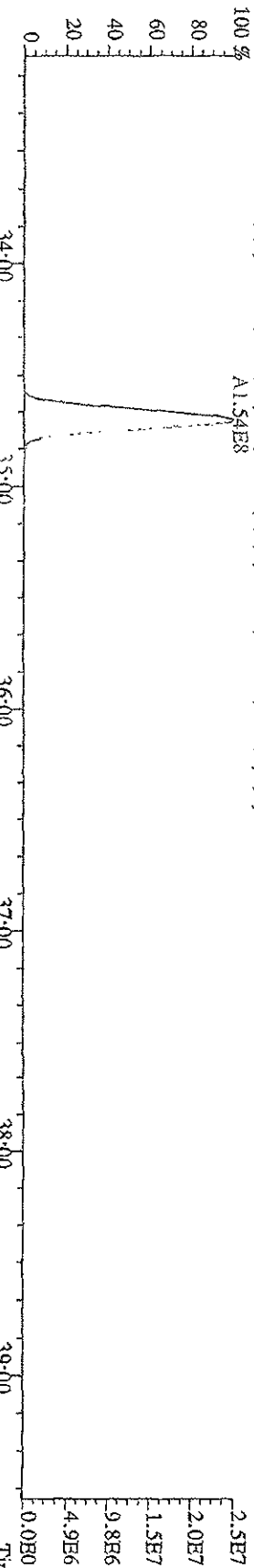
439.8038 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,152,0,0,00%,F,T)

A1.34E8

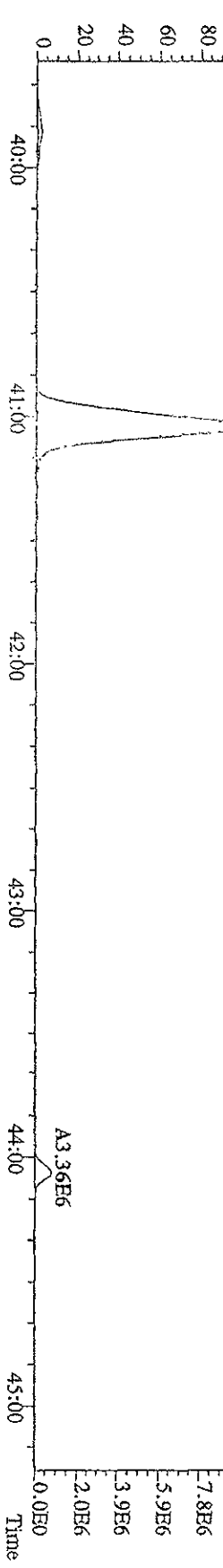
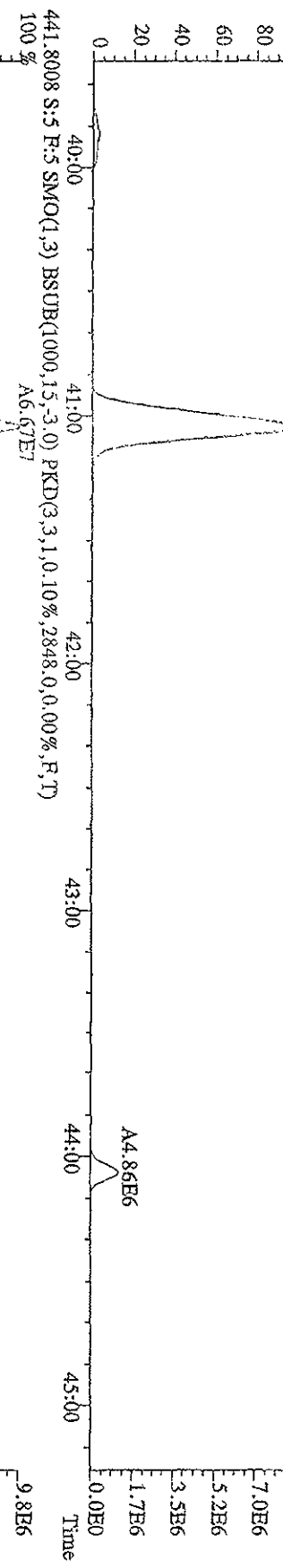
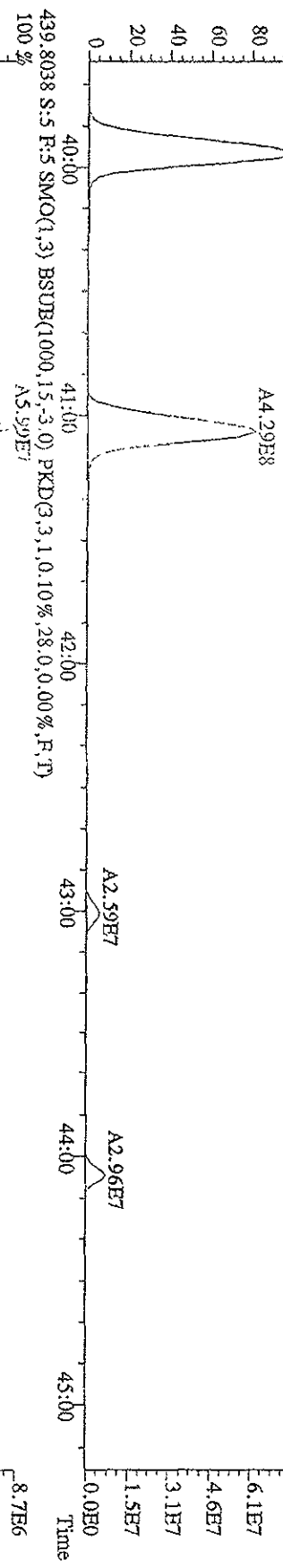
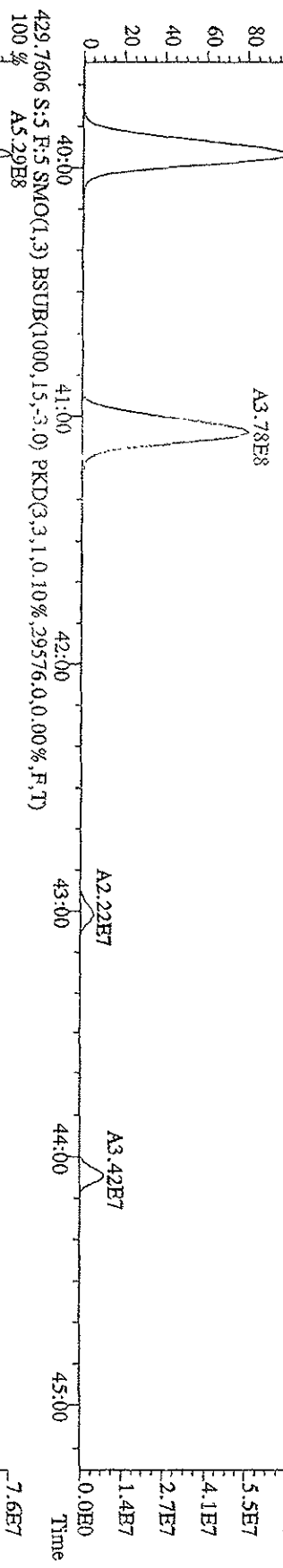


441.8008 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1340,0,0,00%,F,T)

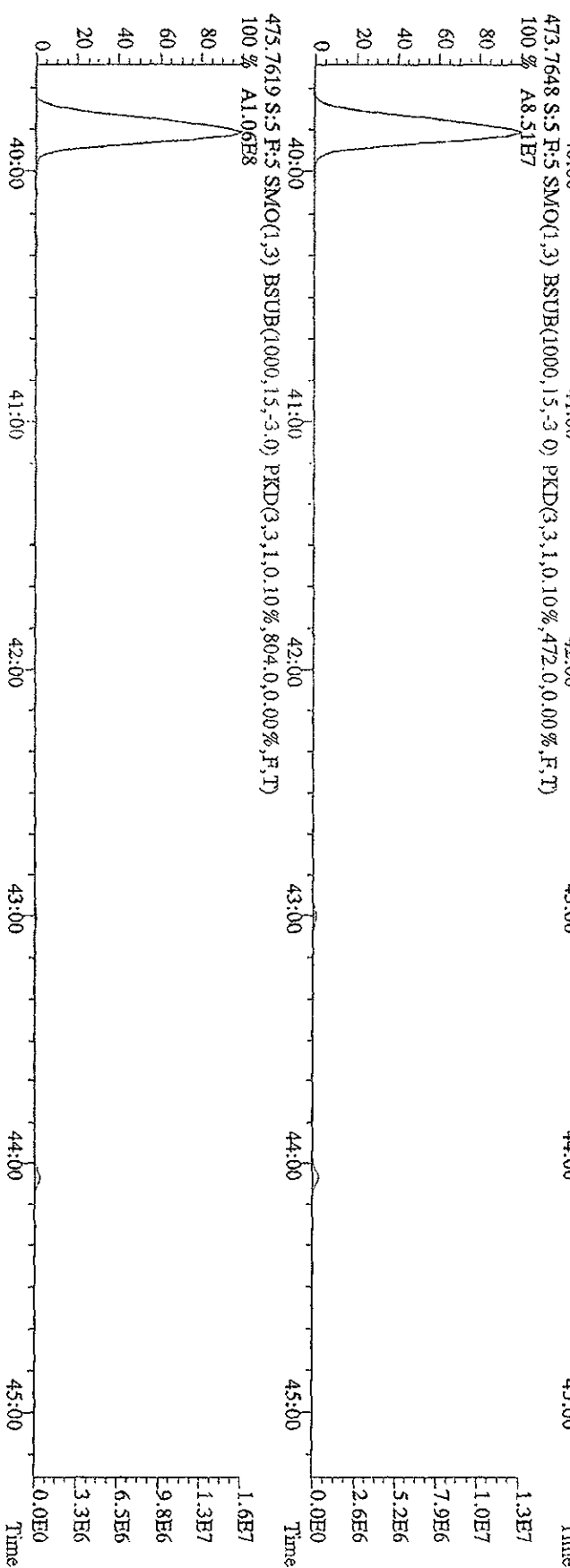
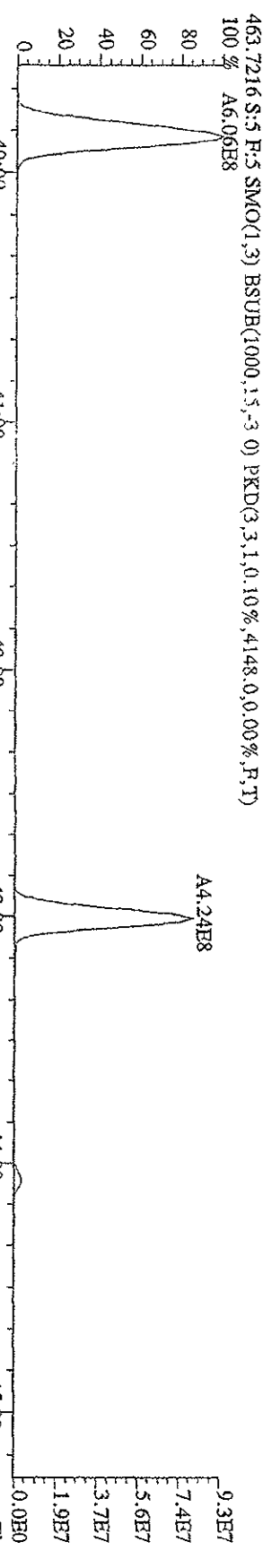
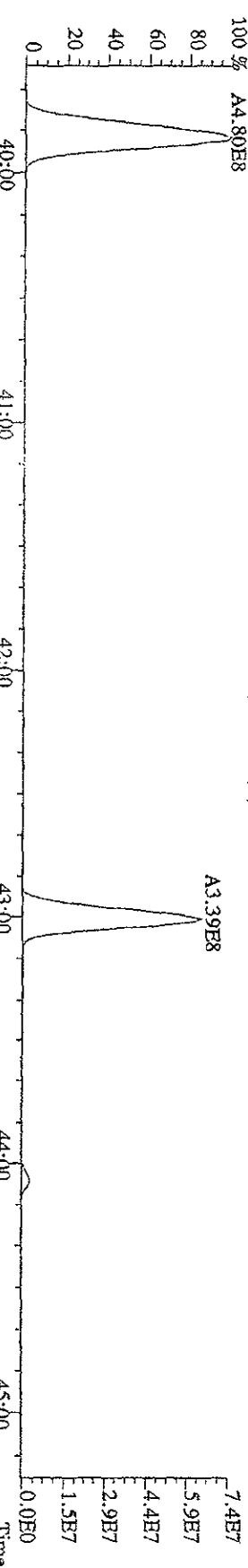
A1.54E8



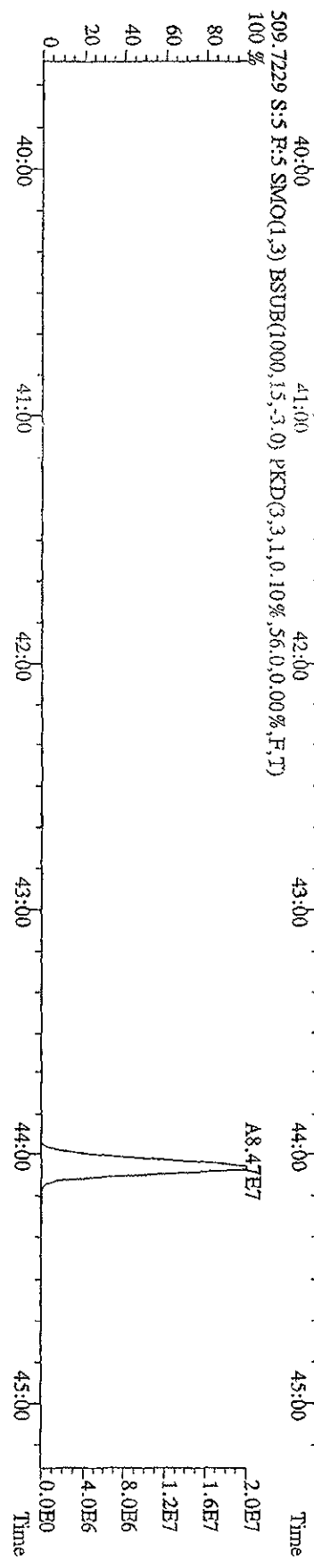
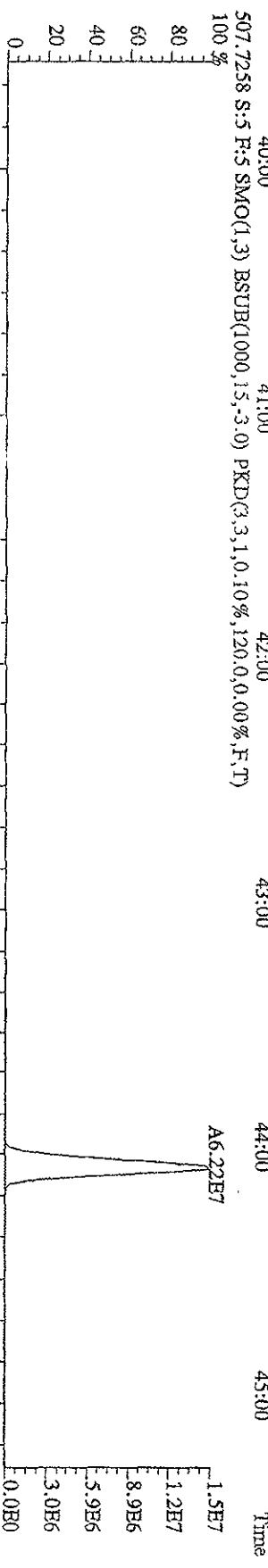
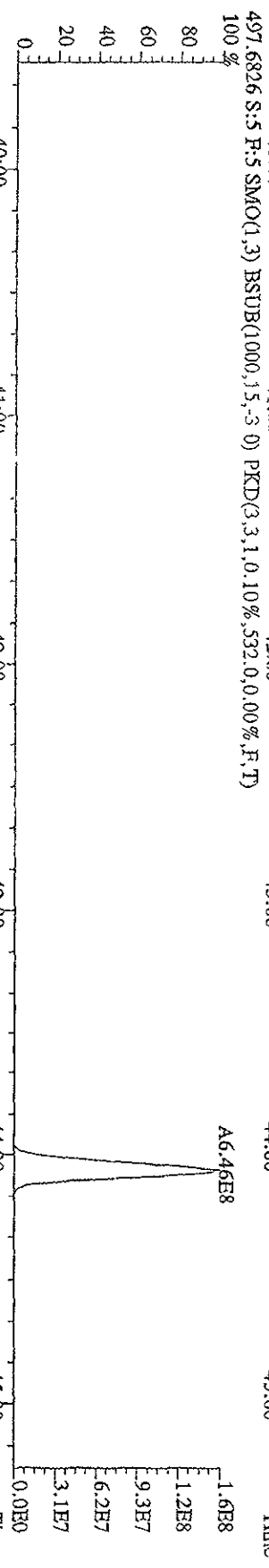
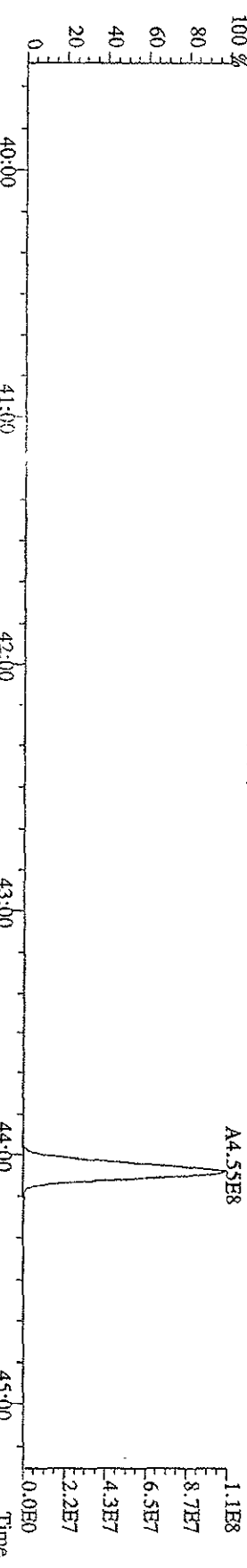
File:151A09DD9D5 #1-378 Acq:15-JAN-2009 23:57:45 GC BI + Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 427.7635 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2848,0,0,00%,F,T)  
 100 % A4.67E8



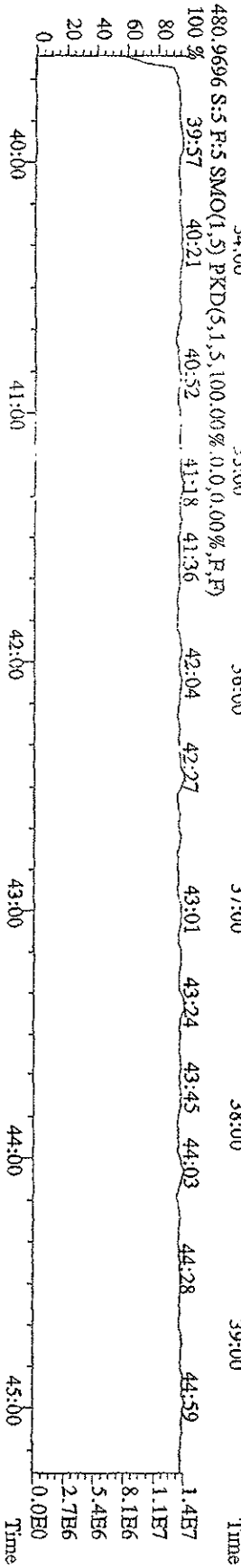
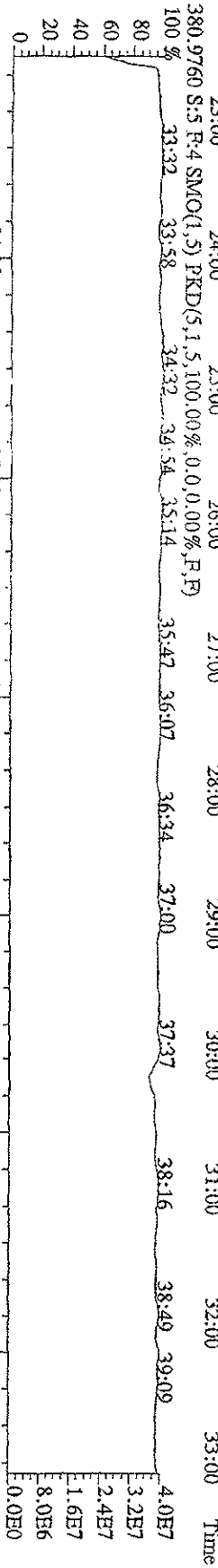
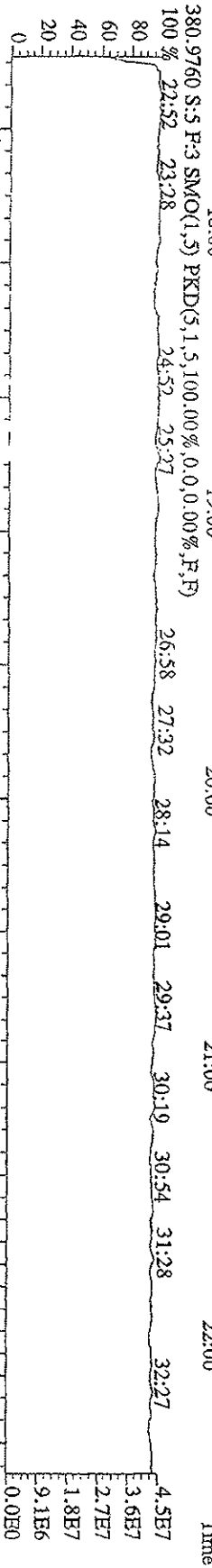
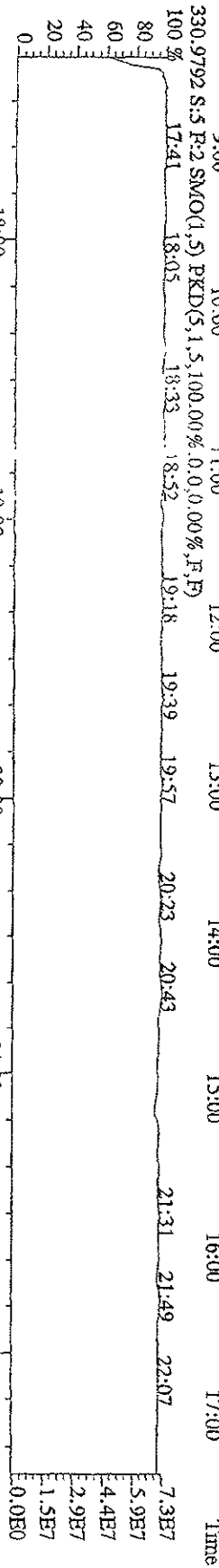
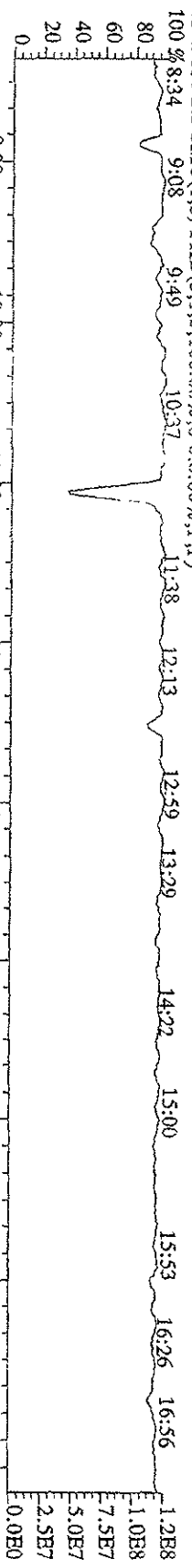
File: 151A09D9D5 #1-378 Acq: 15-JAN-2009 23:50:45 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST0115D :CS5 09DXN018 Exp: 209DB5  
 461.7245 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4148,0,0,00%,F,T)  
 100% AA.80E8



File:15TA09D9D5 #1-378 Acq:15-JAN-2009 23:50:45 GC BI + Voltage SIR Autospec-UHimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 495.6856 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,828.0,0.00%,F,T) 100%



File: 151A09D9D5 #4-609 Acq: 15-JAN-2009 23:50:45 GC BF+ Voltage SIR Autospec-UltimaB  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5



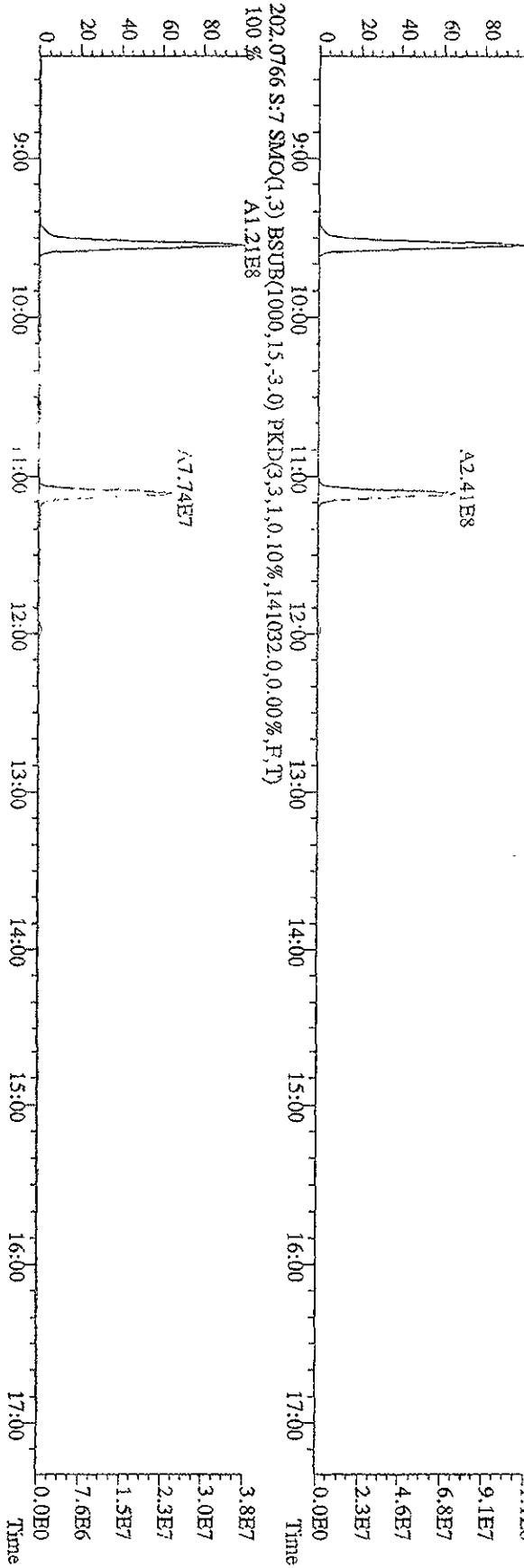
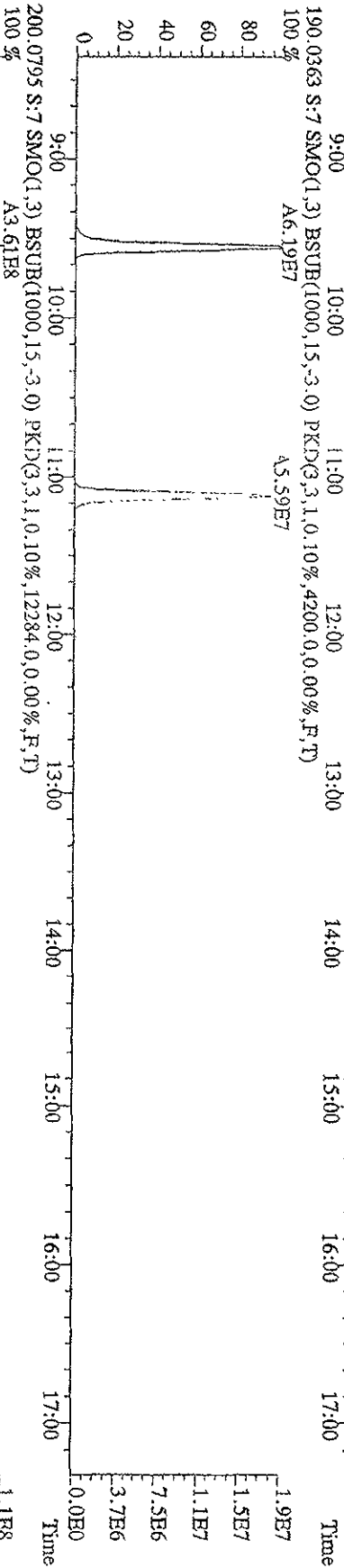
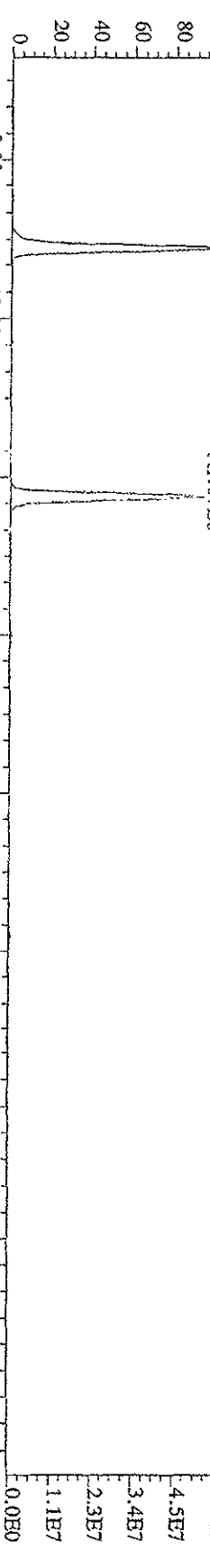
Run text: ST0115E Sample text: ST0115E :2nd Source 09DXN055  
 Run #6 Filename: 15JA09D9D5 S: 7 I: 1 Results: 15JA09D9D5  
 Acquired: 16-JAN-09 01:33:31 Processed: 16-JAN-09 12:21:13  
 Run: 15JA09D9D5 Analyte: 1668MDB5 Cal: 1668MDB50115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-MoCB-3	317987900	3.11 y	11:07	0.92	2164.57	10.27	108.2	n
MoCB-1	246706500	2.98 y	9:34	1.72	904.22	0.30	-	n
*MoCB-3	222925700	2.99 y	11:08	1.48	946.34	0.35	-	n
Total MoCB	474515702	2.98 y	9:34	1.60	1869.77	0.32	-	n
13C-DiCB-15	484209000	1.53 y	16:10	1.43	2124.23	0.83	106.2	n
DiCB-10/4	347800000	1.00 y	12:01	1.55	927.94	2.11	-	n
DiCB-8/5	491206000	1.00 y	13:55	1.10	1839.01	2.97	-	n
*DiCB-15	359460000	1.00 y	16:11	1.59	932.41	2.05	-	n
Total DiCB	1219706104	1.00 y	12:01	1.57	3755.23	2.08	-	n
13C-TrCB-28	343278000	1.04 y	18:31	1.08	1996.11	10.52	99.8	n
TrCB-30	278791000	1.02 y	15:19	1.61	1008.62	0.29	-	n
TrCB-18	243663000	1.01 y	16:01	1.42	999.81	0.33	-	n
Total F1 TrCB	522454000	1.02 y	15:19	1.30	2008.43	0.36	-	n
*TrCB-31	192082600	1.02 y	18:27	1.11	1008.28	0.90	-	n
*TrCB-28	205591000	1.05 y	18:32	1.28	932.33	0.77	-	n
TrCB-37	162623100	1.02 y	21:48	0.99	959.03	1.01	-	n
Total F2 TrCB	577775584	1.06 y	17:45	1.30	2978.02	0.77	-	n
13C-TeCB-52	318403000	0.81 y	20:23	-	106.38	-	-	n
13C-TeCB-81	229174000	0.79 y	26:58	0.95	1947.47	2.24	97.4	n
TeCB-54	176370000	0.75 y	17:45	1.45	1047.73	0.72	-	n
TeCB-52/73	136685300	0.74 y	20:24	1.14	1038.26	0.92	-	n
TeCB-47/75/48	159414500	0.74 y	20:49	1.51	910.32	0.69	-	n
TeCB-44	118189100	0.73 y	21:34	0.99	1027.98	1.06	-	n
Total F2 TeCB	594518692	0.75 y	17:45	1.28	4050.21	0.83	-	n
13C-TeCB-77	234335000	0.79 y	27:33	0.98	1920.15	2.16	96.0	n
TeCB-66/80	184147000	0.76 y	24:02	1.58	1007.33	1.48	-	n
TeCB-81	141804800	0.76 y	26:59	1.28	968.12	1.77	-	n
TeCB-77	126688100	0.71 y	27:35	1.10	979.89	2.18	-	n
Total F3 TeCB	469737053	0.76 y	24:02	1.28	3070.16	1.85	-	n
13C-PeCB-101	248452000	0.65 y	25:21	-	101.61	-	5.1	n
13C-PeCB-123	215120100	0.65 y	28:53	0.87	1987.09	1.39	99.4	n
PeCB-104	187266500	0.64 y	21:19	1.60	1043.94	0.32	-	n
Total F2 PeCB	187266500	0.64 y	21:19	1.38	1043.94	0.39	-	n
PeCB-101/89/90	152746800	0.59 y	25:23	1.39	979.30	1.07	-	n
PeCB-123	153997300	0.59 y	28:54	1.51	948.79	0.97	-	n
13C-PeCB-118	233847400	0.65 y	29:02	0.98	1912.00	1.23	95.6	n
PeCB-118/106	173601100	0.50 y	29:03	1.53	971.67	0.94	-	n
13C-PeCB-114	234263800	0.66 y	29:40	0.97	1951.48	1.26	97.6	n
PeCB-114	179214900	0.58 y	29:41	1.59	965.03	0.91	-	n
13C-PeCB-105	216099500	0.65 y	30:34	0.90	1938.79	1.35	96.9	n
PeCB-105/127	146287000	0.59 y	30:35	1.42	951.93	1.12	-	n

13C-PeCB-126	209136400	0.66	y	32:30	0.91	1846.94	1.33	92.3	n
PeCB-126	116625800	0.59	y	32:31	1.17	950.64	1.67	-	n
Total F3 PeCB	941154865	0.51	n	24:50	1.38	5889.66	1.14	-	n
13C-OcCB-202	247986000	0.86	y	34:43	-	96.36	-	-	n
13C-HxCB-167	206590100	1.26	y	33:35	0.84	1979.81	2.19	99.0	n
HxCB-155	176523800	1.27	y	24:50	1.89	1039.99	0.42	-	n
HxCB-153	152304200	1.27	y	30:21	1.71	987.89	0.46	-	n
HxCB-137	131107900	1.27	y	31:28	1.47	992.40	0.53	-	n
HxCB-138/163/164	136502600	1.26	y	31:56	1.55	977.56	0.51	-	n
Total F3 HxCB	606630234	1.27	y	24:50	1.44	4077.00	0.56	-	n
HxCB-128	84450800	1.24	y	33:30	1.08	868.90	3.96	-	n
HxCB-167	127740700	1.27	y	33:36	1.17	1058.05	3.04	-	n
13C-HxCB-156	164457200	1.30	y	34:53	0.67	1978.96	2.75	98.9	n
HxCB-156	113010300	1.28	y	34:54	1.45	946.35	3.26	-	n
13C-HxCB-157	172987600	1.26	y	35:12	0.71	1973.79	2.61	98.7	n
HxCB-157	119121700	1.26	y	35:13	1.45	952.15	3.00	-	n
13C-HxCB-169	176264100	1.25	y	37:05	0.73	1938.06	2.51	96.9	n
HxCB-169	81303300	1.29	y	37:06	0.99	932.61	4.67	-	n
Total F4 HxCB	536274083	1.24	y	33:30	1.44	4840.76	3.02	-	n
13C-HpCB-180	145969400	1.04	y	35:49	0.58	2013.68	1.54	100.7	n
HpCB-188	145753200	1.07	y	29:56	2.10	1033.46	0.58	-	n
HpCB-187/182	128812400	1.06	y	32:54	1.92	997.83	0.63	-	n
Total F3 HpCB	278642119	1.07	y	29:56	1.67	2067.20	0.72	-	n
HpCB-180	86924100	1.10	y	35:50	1.27	941.34	1.34	-	n
13C-HpCB-170	116867600	1.04	y	37:29	0.47	1986.74	1.89	99.3	n
HpCB-170/190	87429800	1.08	y	37:29	1.61	931.39	1.31	-	n
13C-HpCB-189	140943300	1.05	y	39:07	0.60	1899.17	1.50	95.0	n
HpCB-189	80151000	1.11	y	39:08	1.21	942.78	1.48	-	n
Total F4 HpCB	256493131	0.82	n	33:07	1.67	2833.03	1.10	-	n
13C-OcCB-194	97713600	0.90	y	41:04	0.41	1928.85	0.71	96.4	n
OcCB-202	102264300	0.85	y	34:44	2.16	968.36	0.31	-	n
Total F4 OcCB	102264300	0.85	y	34:44	1.70	968.36	0.39	-	n
OcCB-195	75846900	0.88	y	39:58	1.61	963.37	3.27	-	n
*OcCB-194	57671400	0.89	y	41:05	1.24	952.91	4.25	-	n
Total F5 OcCB	141135460	0.88	y	39:58	1.70	2007.99	3.10	-	n
13C-NoCB-208	153734500	0.80	y	39:52	0.64	1928.31	0.15	96.4	n
*NoCB-208	81736900	0.79	y	39:52	1.11	956.40	0.38	-	n
NoCB-206	52843300	0.81	y	43:01	0.73	947.77	0.59	-	n
Total F5 NoCB	136667540	0.79	y	39:52	0.92	1933.73	0.46	-	n
13C-DeCB-209	107688400	0.71	y	44:04	0.46	1887.39	0.07	94.4	n
*DeCB-209	73761700	0.71	y	44:04	1.50	910.40	0.09	-	n
13C-MoCB-1	482046000	2.99	y	9:33	1.95	1553.93	3.90	77.7	n
13C-DiCB-4	369336000	1.49	y	11:59	0.93	1647.97	0.80	82.4	n
13C-TrCB-19	309678000	1.07	y	14:52	1.03	1750.20	9.10	87.5	n
13C-TeCB-54	365168000	0.82	y	17:44	1.72	1829.54	1.83	91.5	n
13C-PeCB-111	289878000	0.64	y	26:50	1.42	1929.21	1.32	96.5	n
13C-HxCB-138	205304900	1.20	y	31:55	-	97.93	-	4.9	n

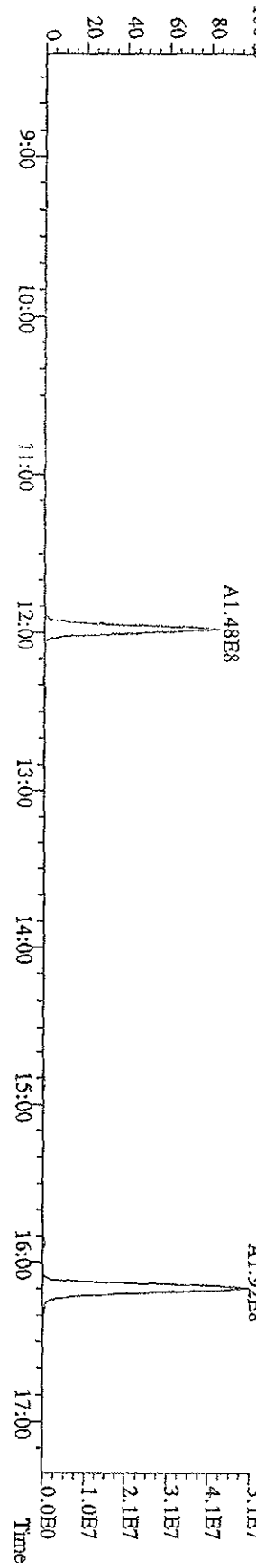
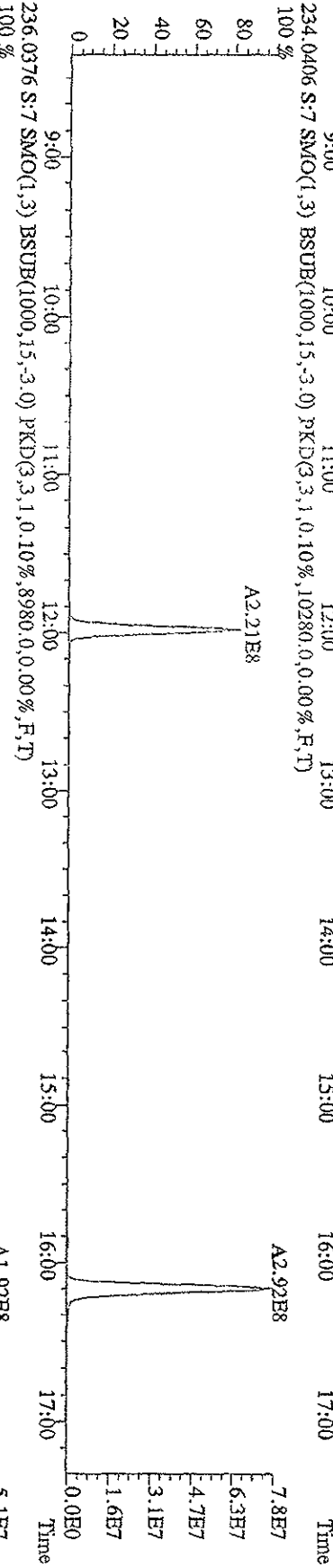
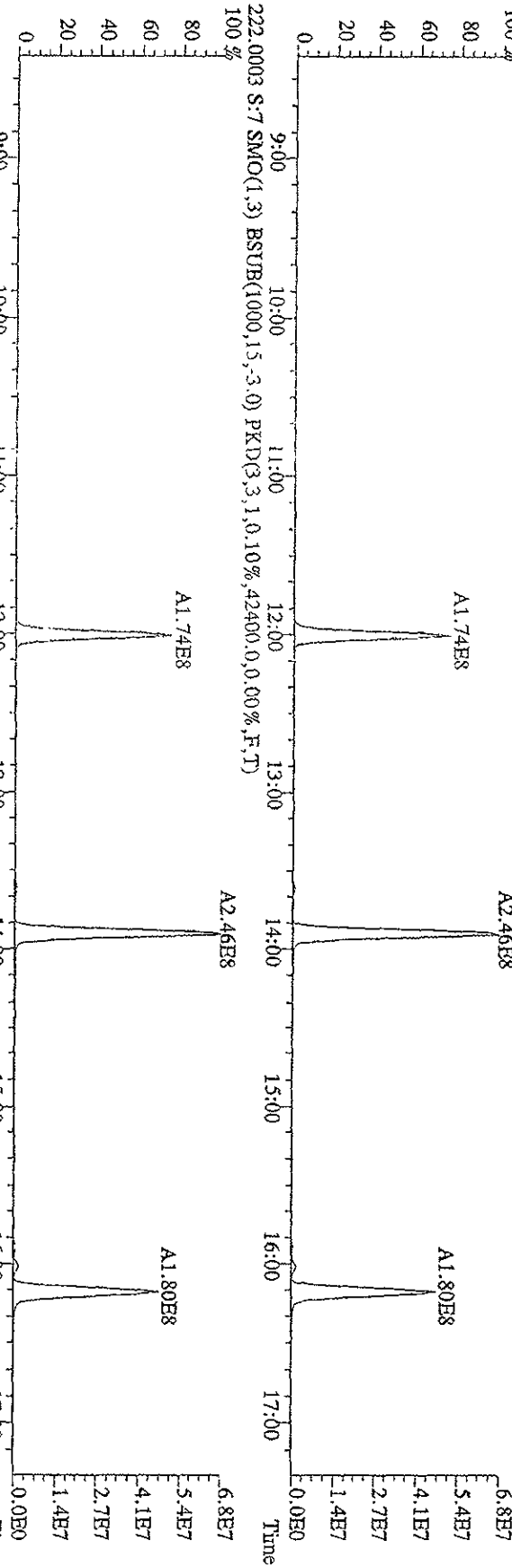
File:151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate

Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5

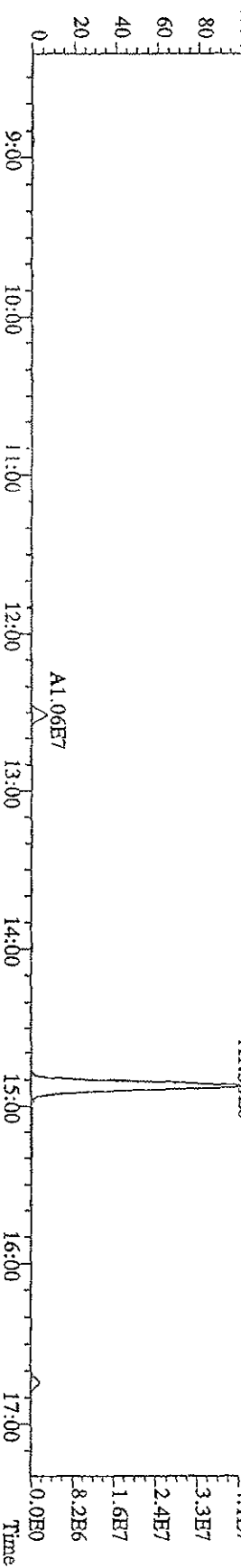
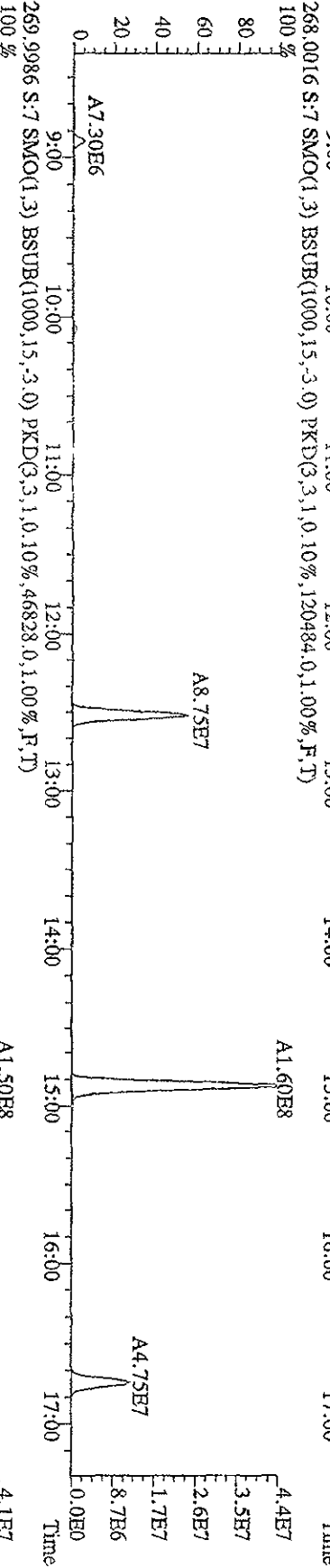
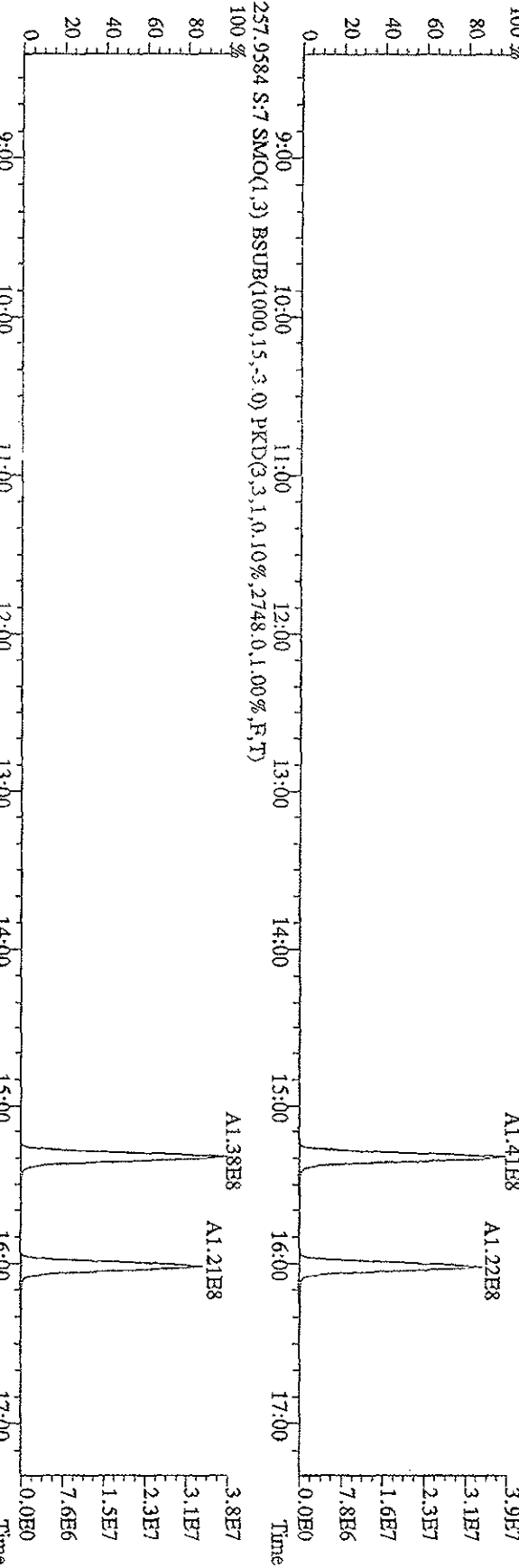




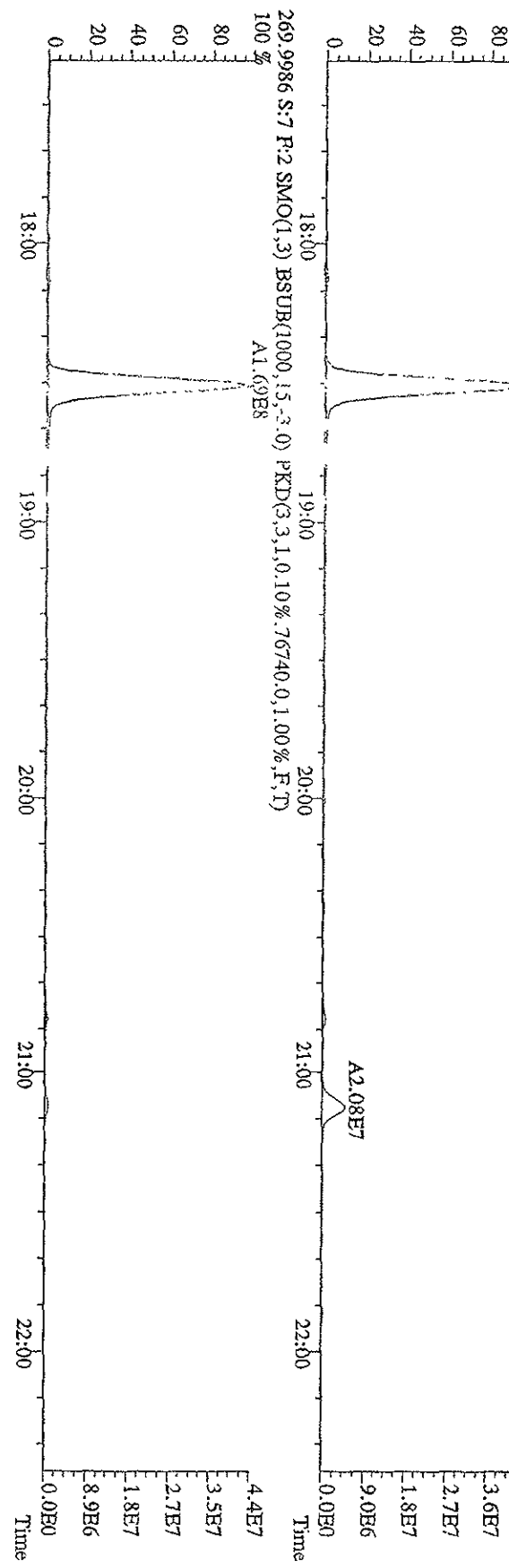
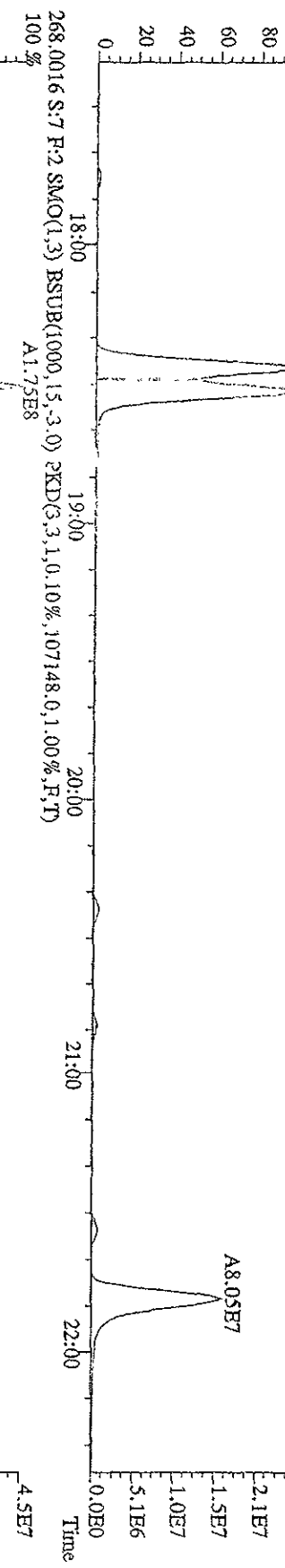
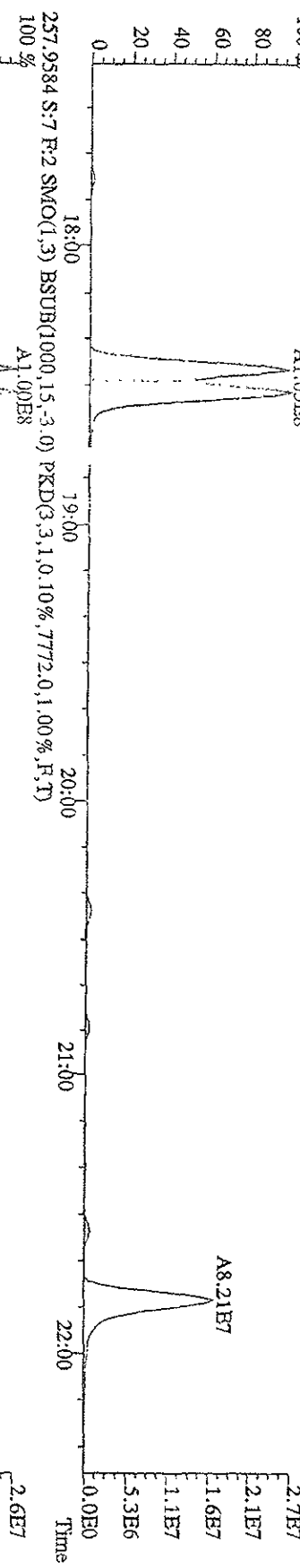
File:151A09DD5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltraE  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:209DB5  
 222.0003 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,42400,0,0,00%,F,T)



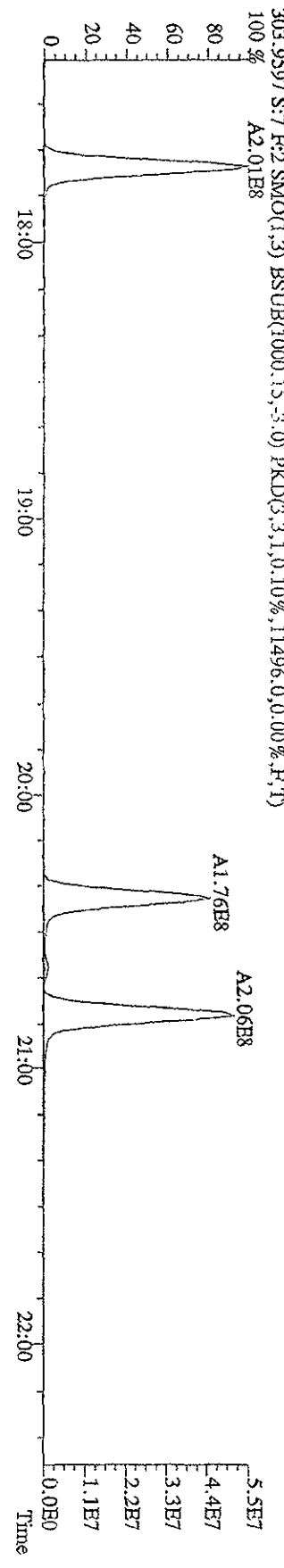
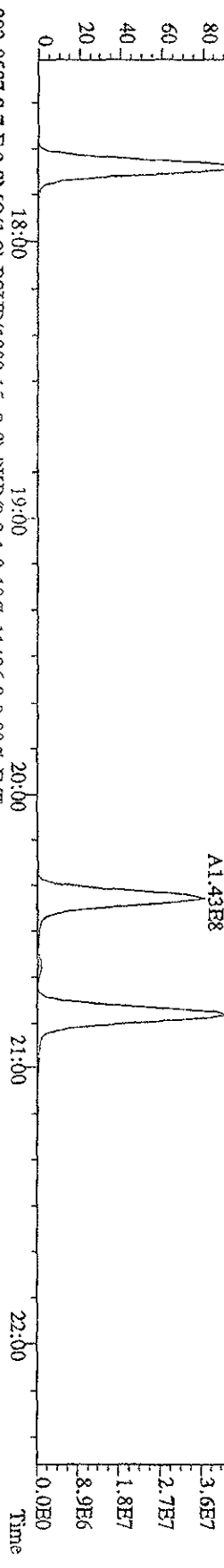
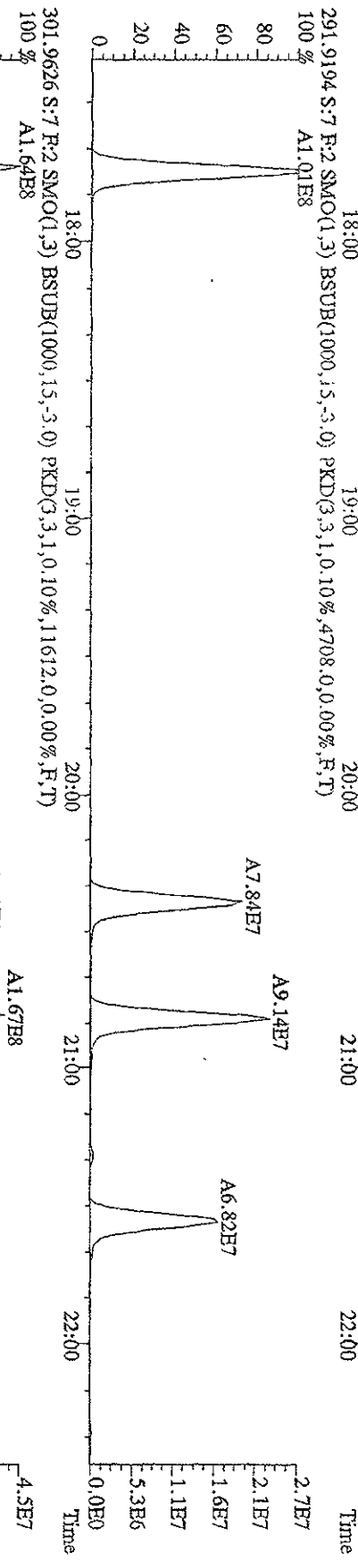
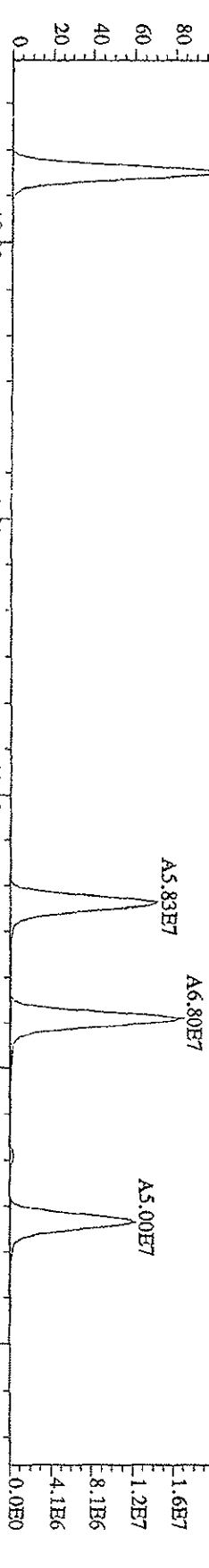
File:151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 257.9584 S:7 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2748.0,1.00%,F,T)



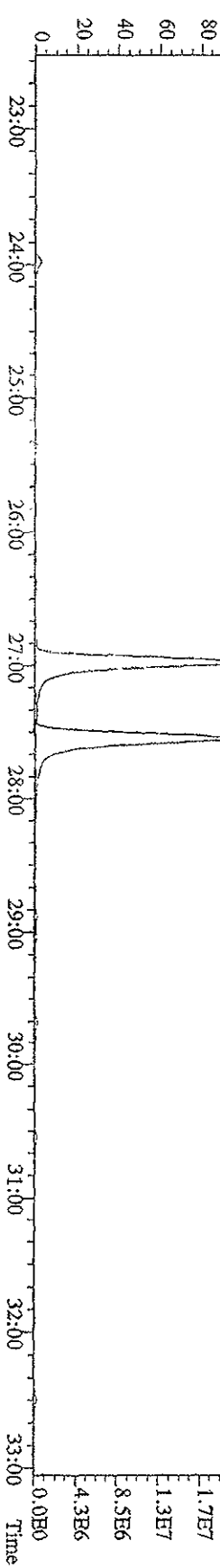
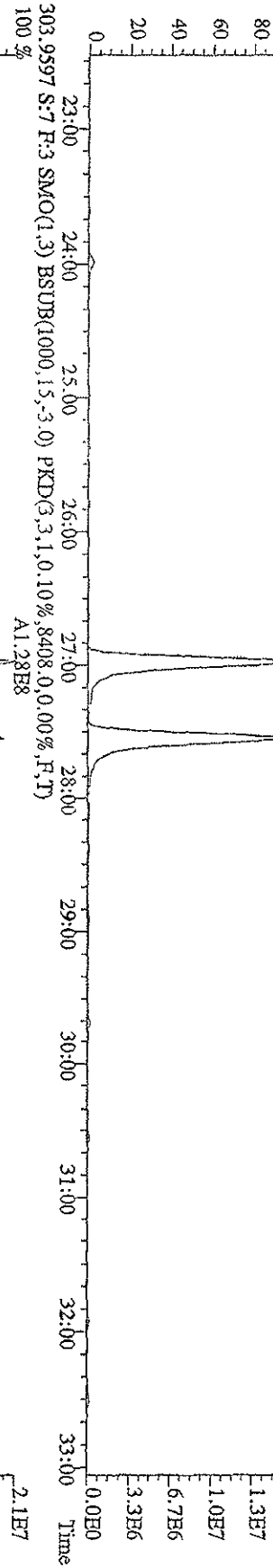
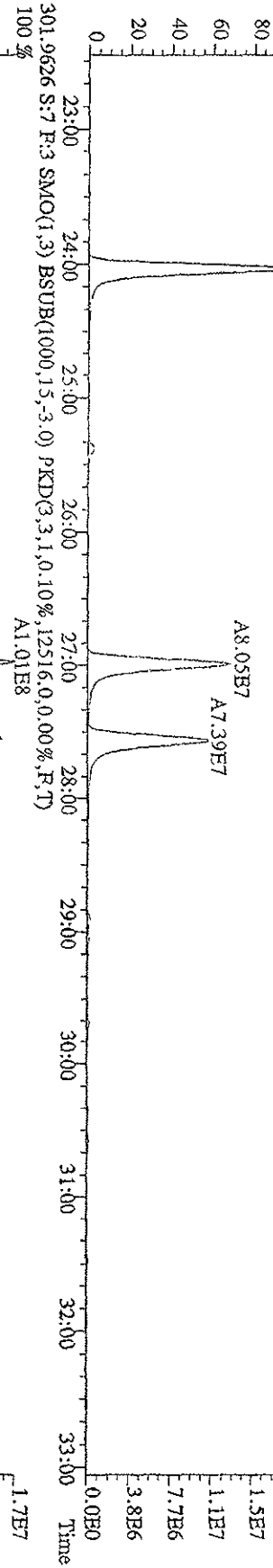
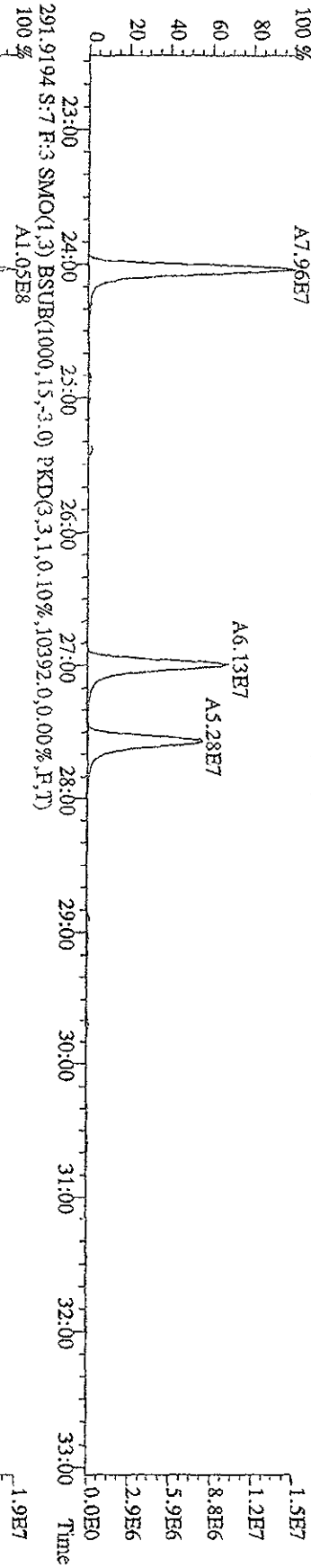
File: 151A09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:209DB5  
 255.9613 S:7 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,9972.0,1.00%,F,T)



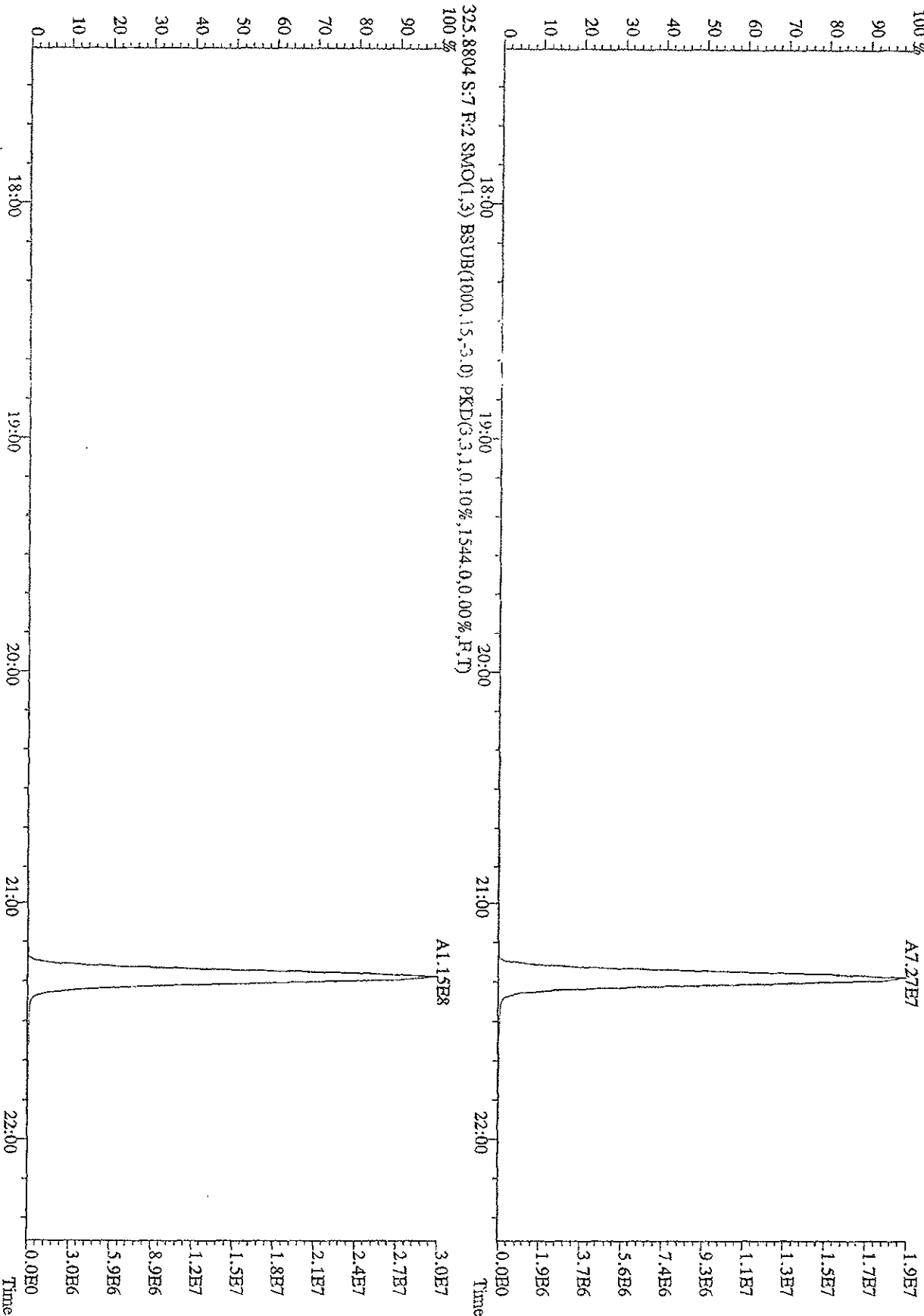
File:151A09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC FI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 289.9224 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2.996,0,0,00%,F,T)  
 100% A7.56E7



File:151A09D9D5 #1-597 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage:50V S/R Autospec-UltimaE  
 Sample#7 Text:ST0115E 2nd Source 09DXNO55 Exp:209DB5  
 289.9224 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6752,0,0,00%,F,T)  
 100% A7.96E7



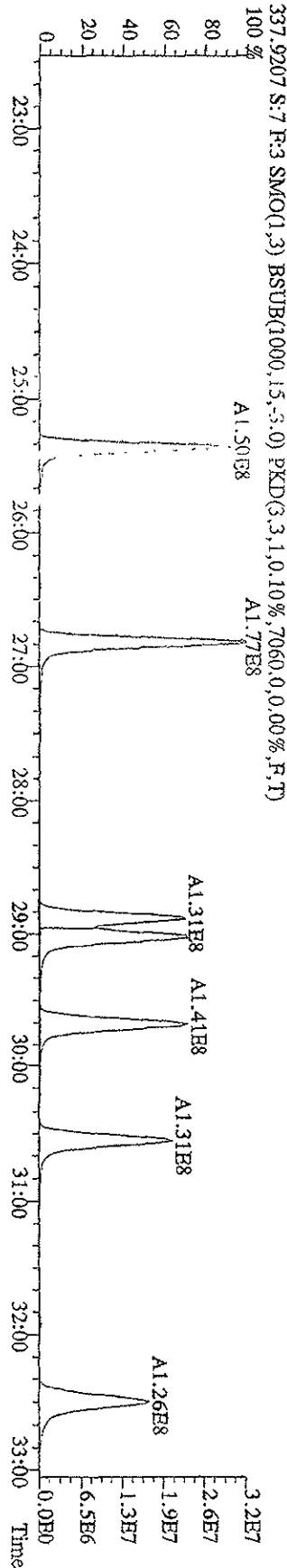
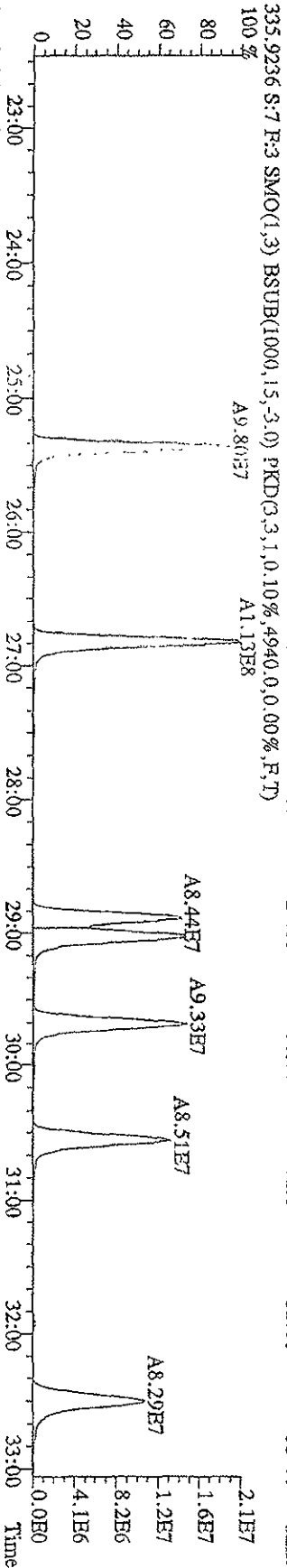
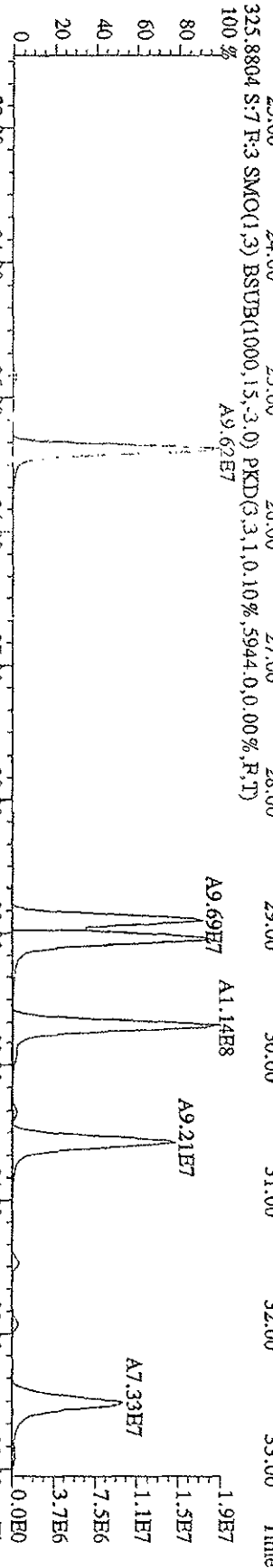
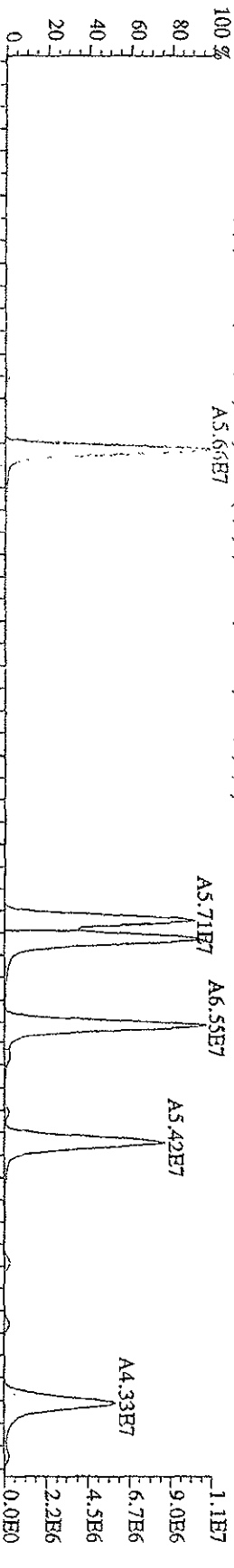
File:151A09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC:EI + Voltage:51R Autospec-UltraB  
 Sample#7 Text:ST0115E :2nd Source:09DX:N055 Exp:209DB5  
 323.8834 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2252,0,0,00%,F,T)  
 100%



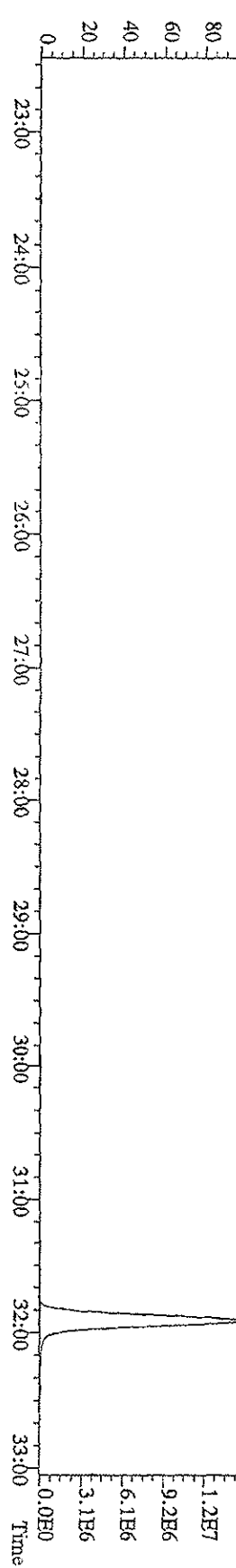
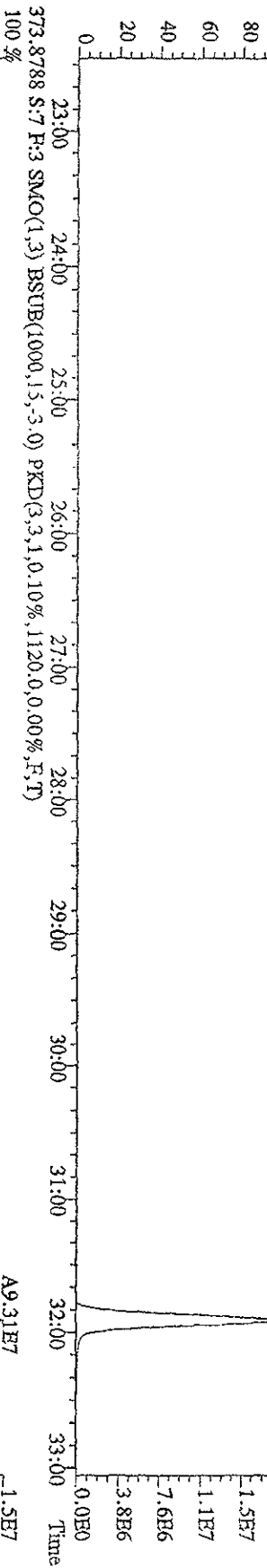
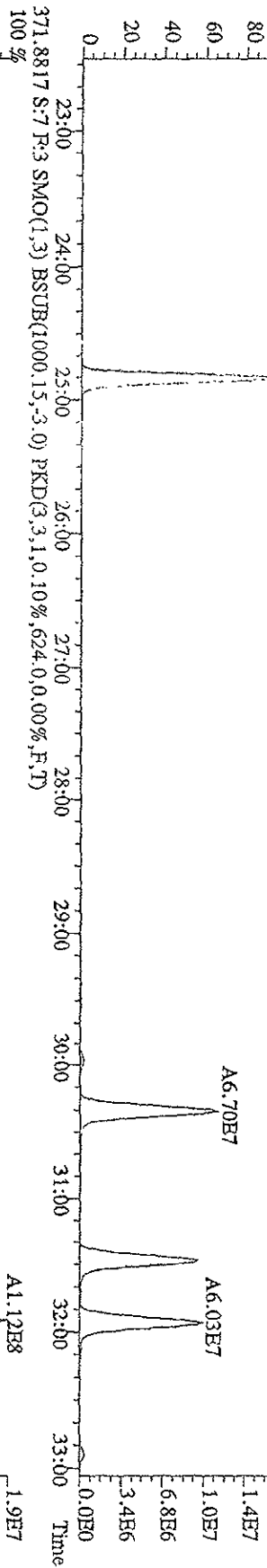
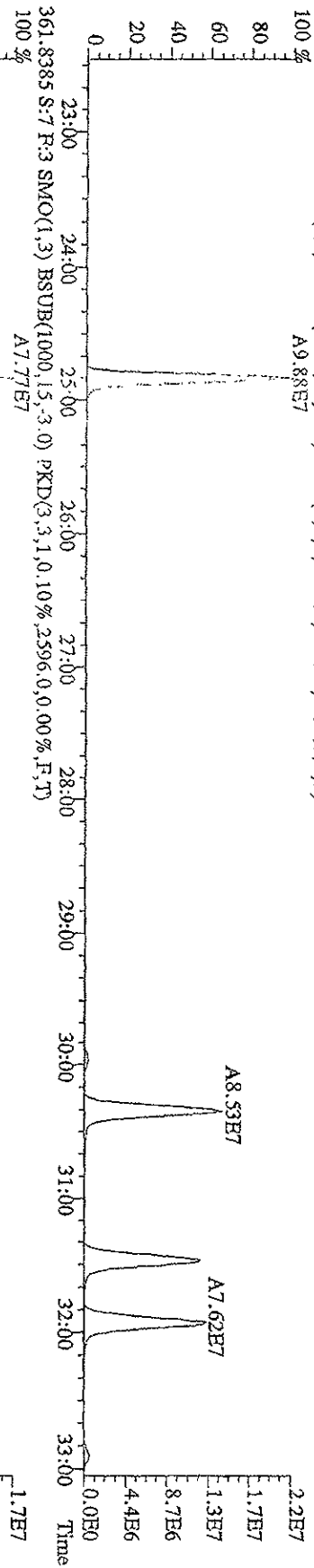
File:151A09D9D5 #1-597 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimat

Sample#7 Text:ST0115E 2nd Source 09DXN655 Exp:209DB5

323.8834 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5944,0,0,00%,F,T)

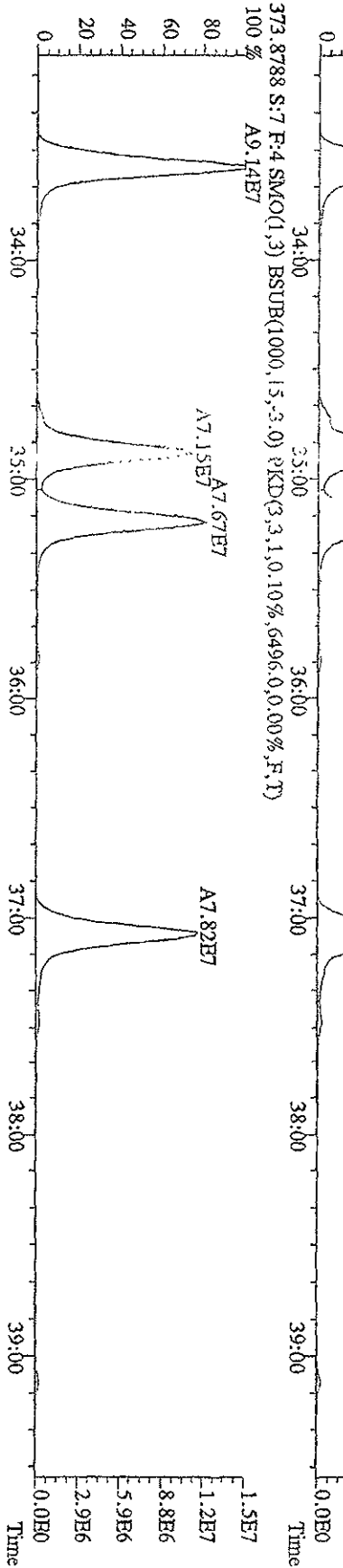
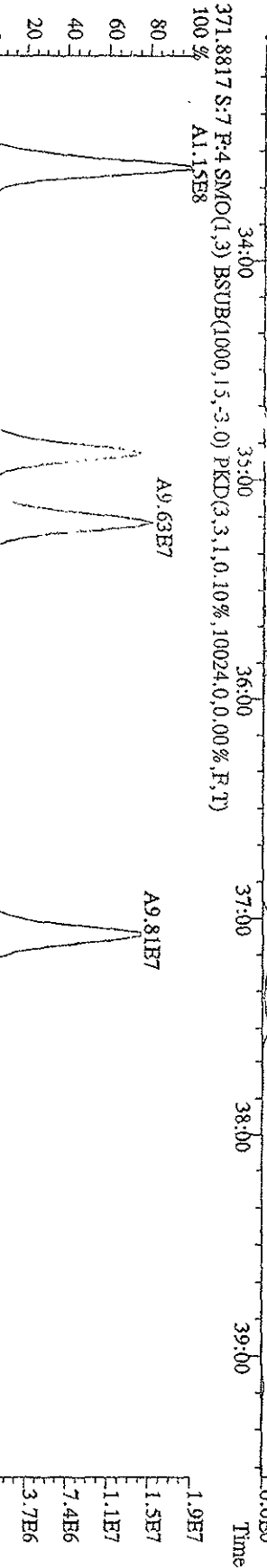
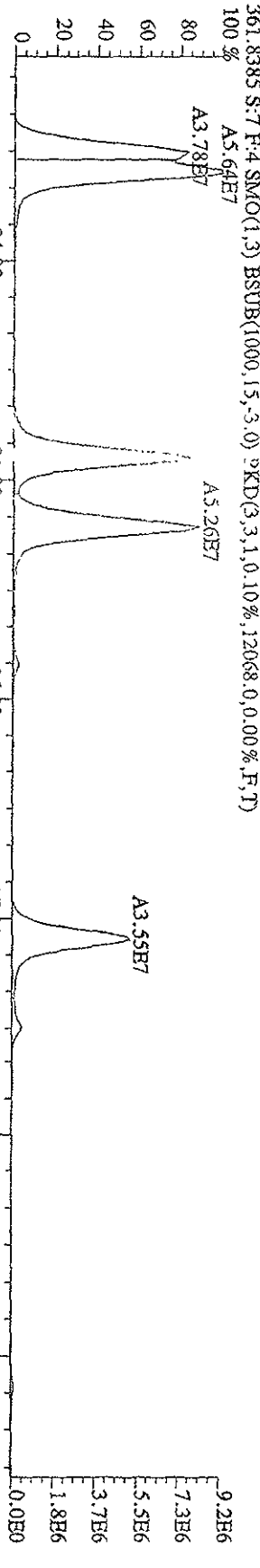
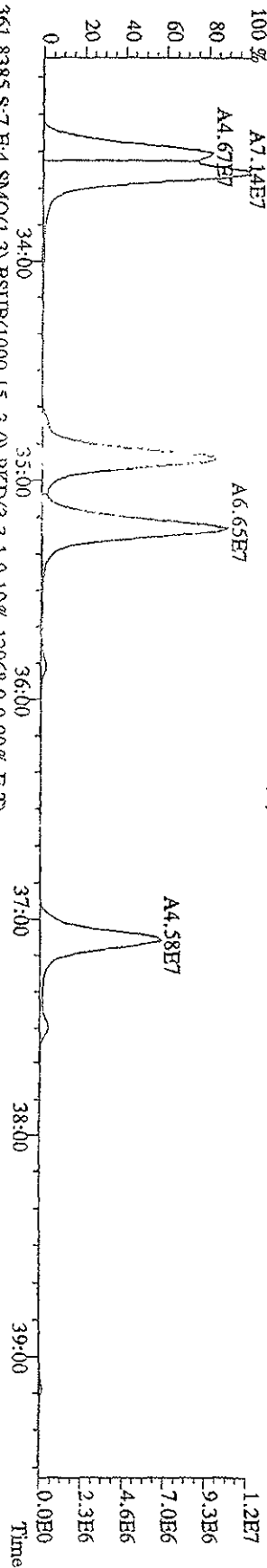


File: 151A09DD9D5 #1-597 Acq: 16-JAN-2009 01:33:31 GC BI + Voltage SIR Autospec-Ultimate  
 Sample#7 Text: ST015E 2nd Source 09DXN055 Exp: 209DB5  
 359.8415 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1748,0,0,00%,F,T)  
 100% A9.88E7

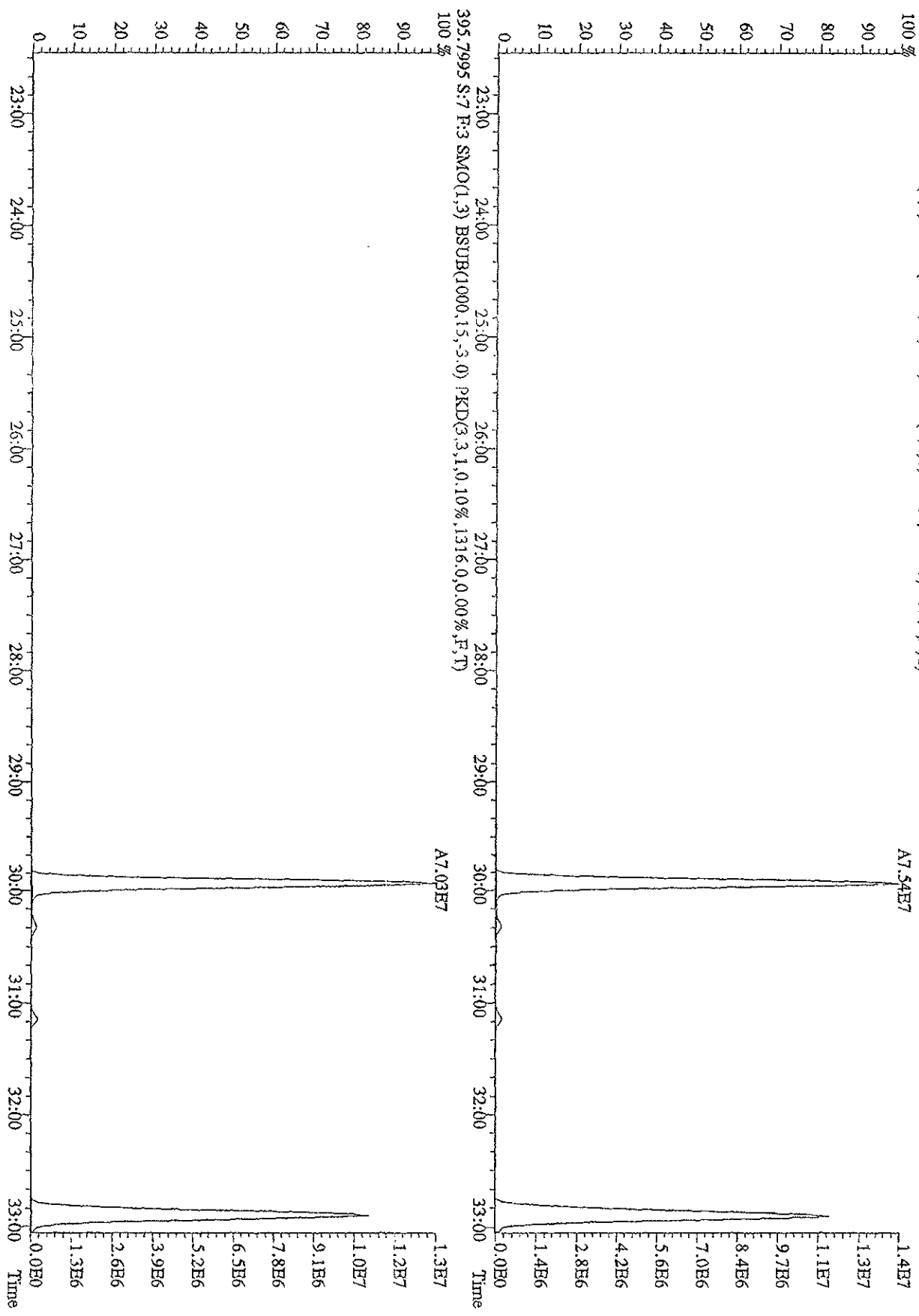




File:151A09D9D5 #1-395 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:209DB5  
 359.8415 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,11588,0,0,00%,F,T)  
 100%

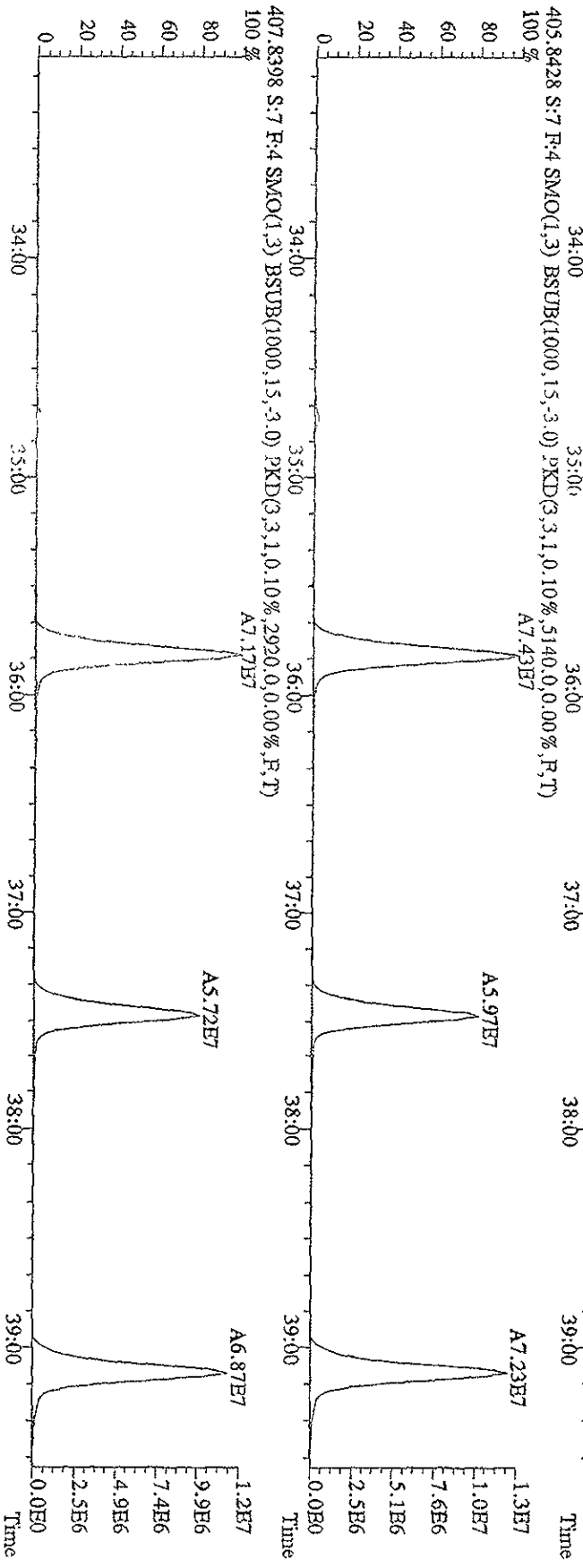
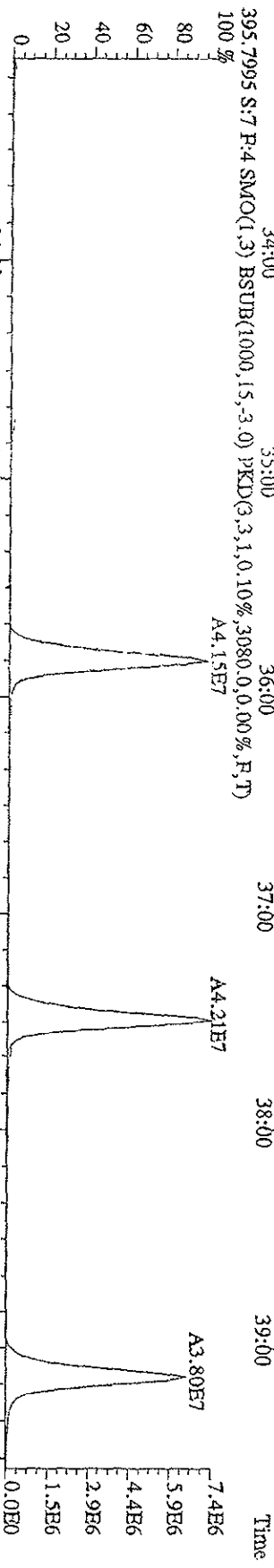
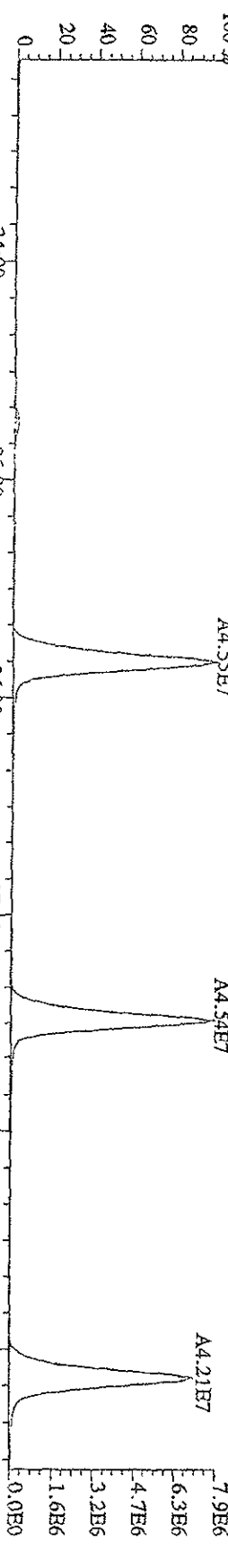


File: 151A09D9D5 #1-597 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SFR Autospec-UltimaB  
 Sample#7 Text: ST0115E : 2nd Source 09DXN055 Exp: 209DB5  
 395.7995 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1316,0,0,00%,F,T)  
 100 %



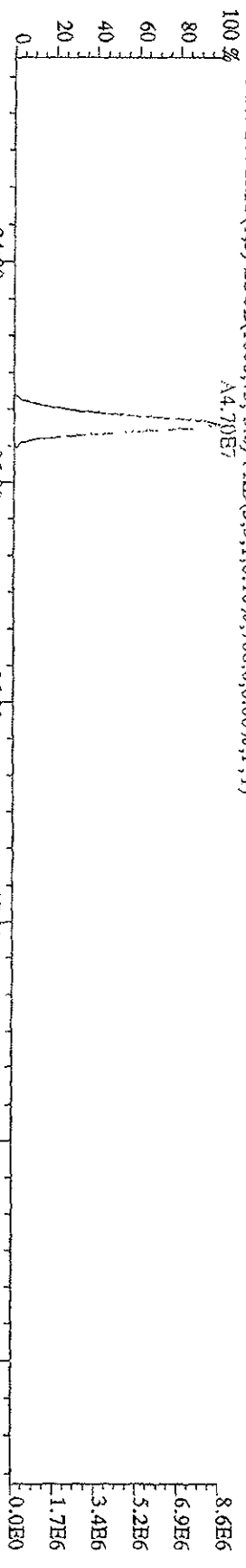
File:15JA09D9D5 #1-395 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UtimaE

Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5

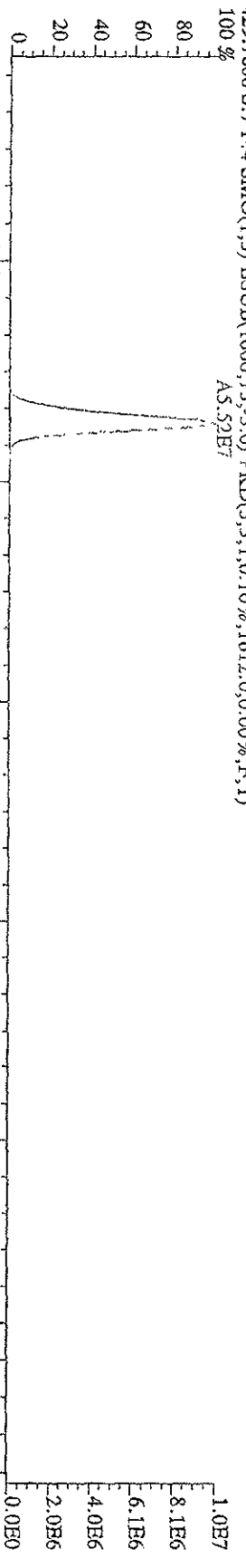


File:151A09DD5 #1-395 Acq:16-JAN-2009 01:33:31 GC EI + Voltage SIR Autospec-UltimaB  
Sample#7 Text:ST0115E :2nd Source 09DXN655 Exp:209DB5

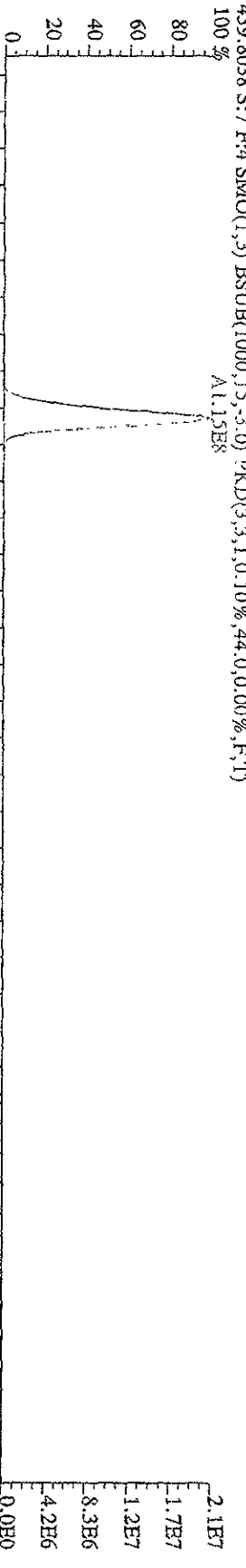
427.7635 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,708,0,0,00%,F,T)  
100% A4.70E7



429.7606 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1612,0,0,00%,F,T)  
100% A5.52E7



439.8038 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,44,0,0,00%,F,T)  
100% A1.15E8



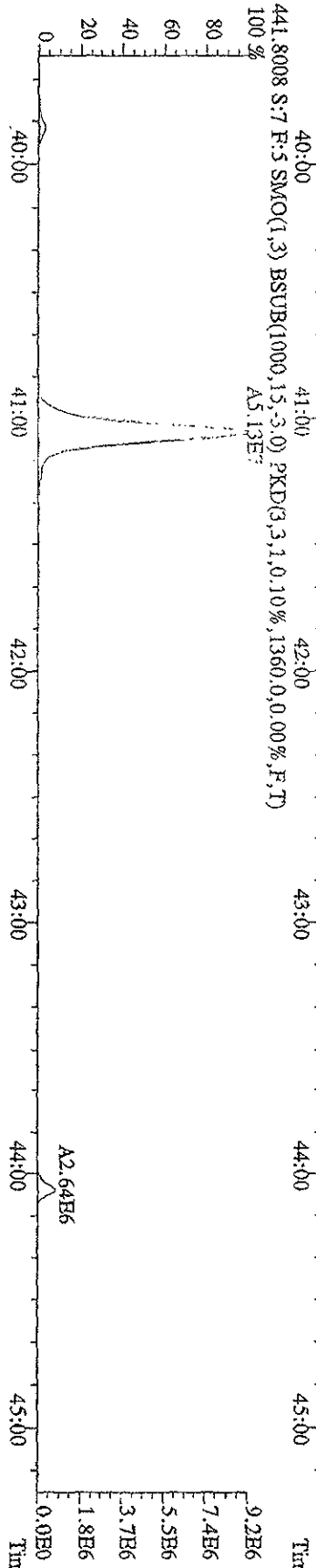
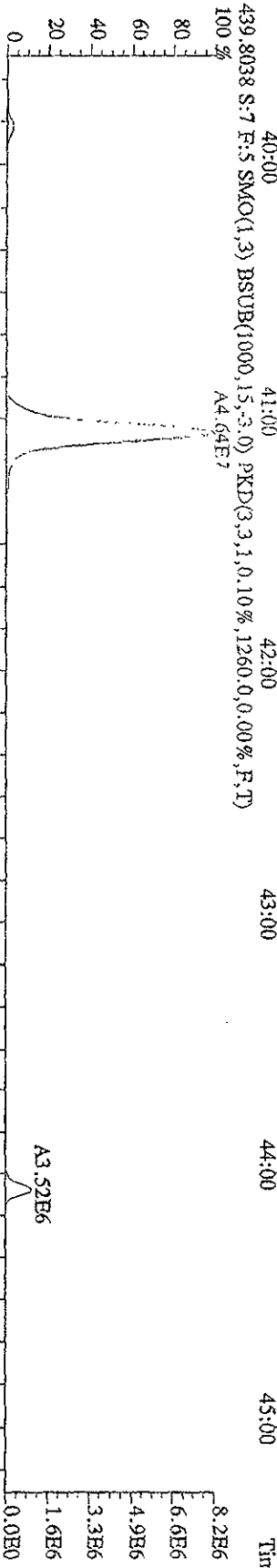
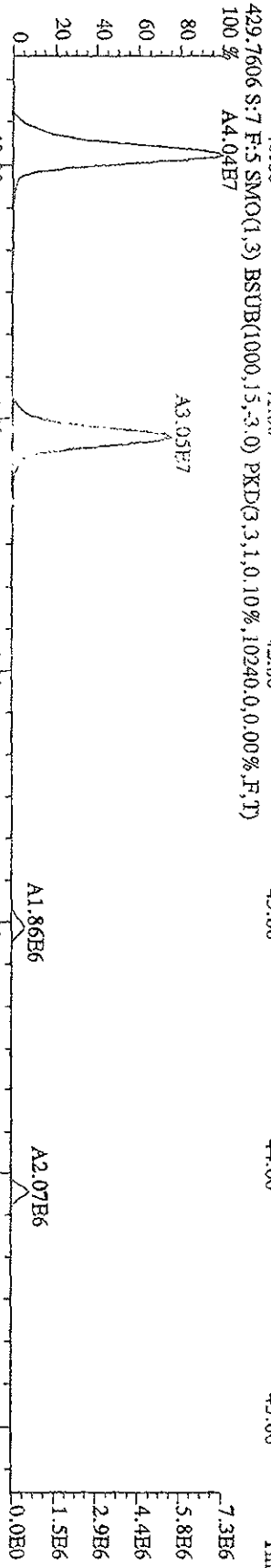
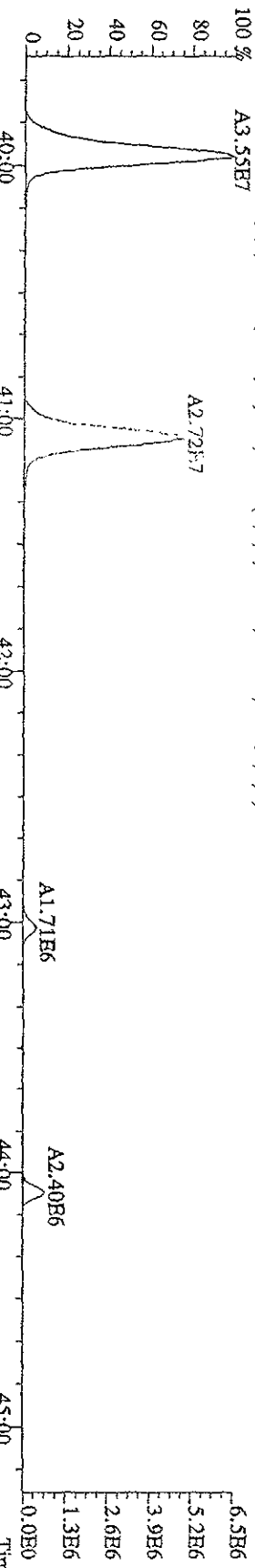
441.8008 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1056,0,0,00%,F,T)  
100% A1.33E8



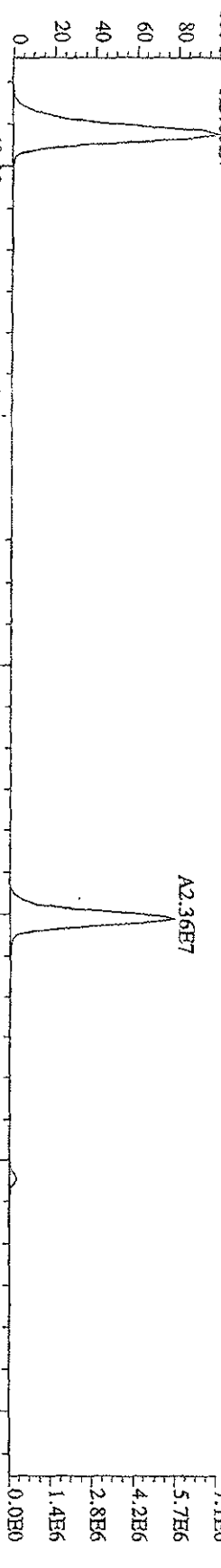
File:151A09D9D5 #1-378 Acq:16-JAN-2009 01:37:31 GC EI+ Voltage STR Autospec-UltimaB

Sample#7 Texi:ST0115E :2nd Source (9)DXN055 Exp:209DBS

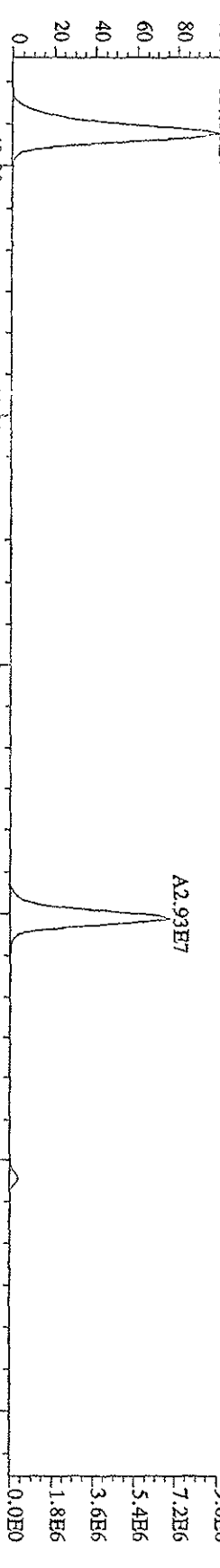
427.7635 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,8132,0,0,00%,F,T)



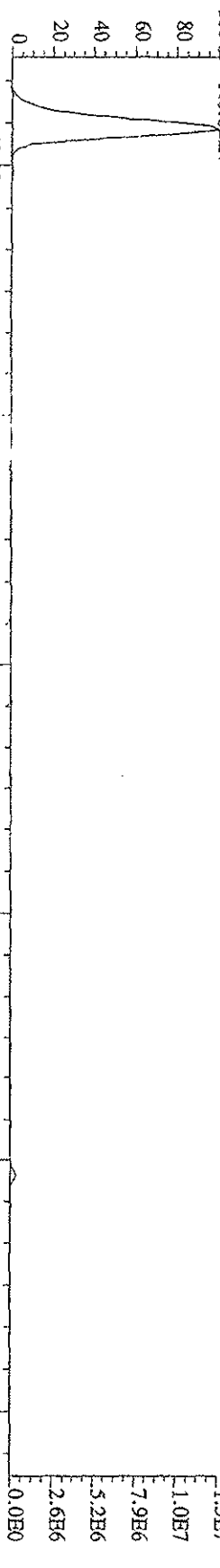
File:151A09D9D5 #1-378 Acq:16-JAN-2009 01:35:31 GC:EI+ Voltage:STR Autospec-Ultimate  
 Sample:#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 461.7245 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1768,0,0,00%,F,T)  
 100% A3.60E7



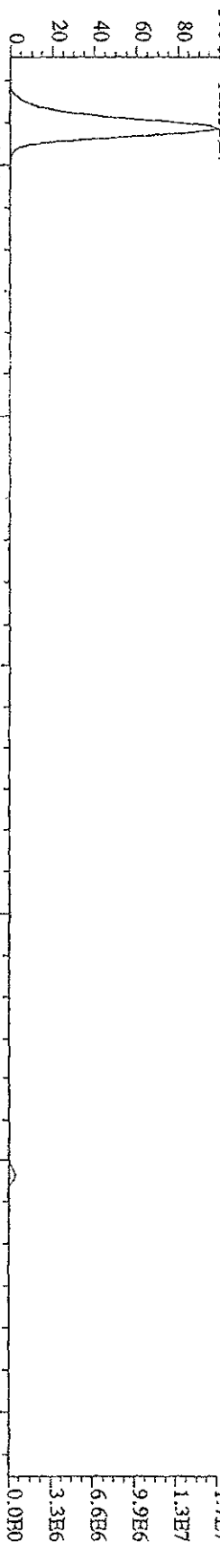
463.7216 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,756,0,0,00%,F,T)  
 100% A4.58E7



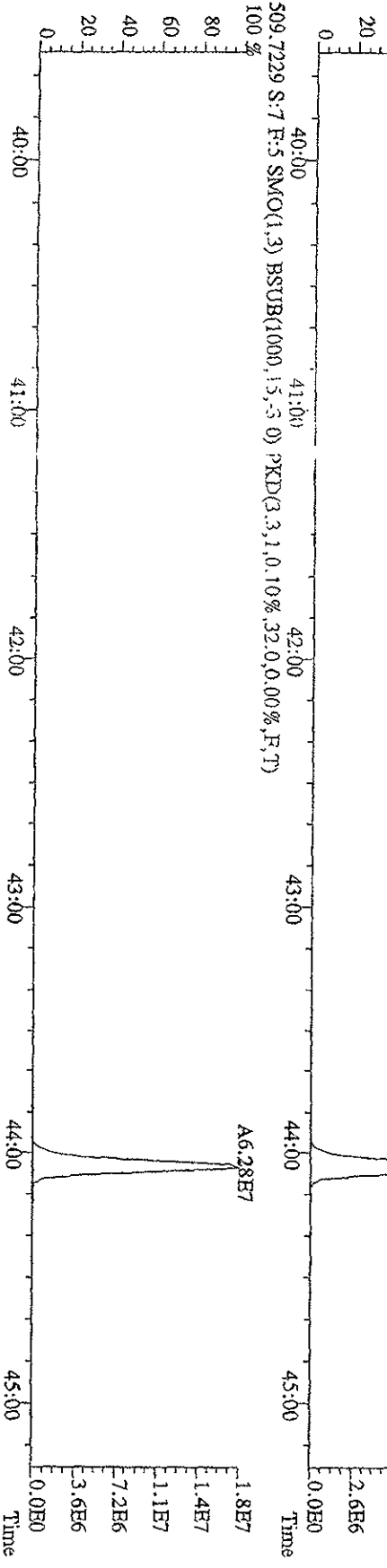
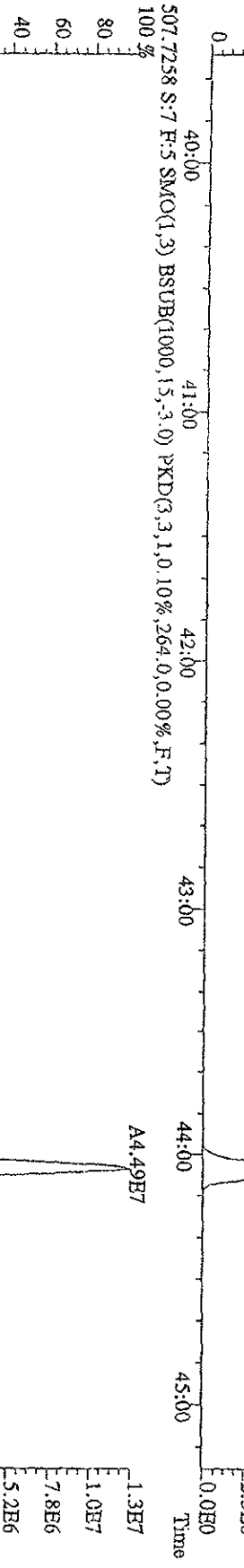
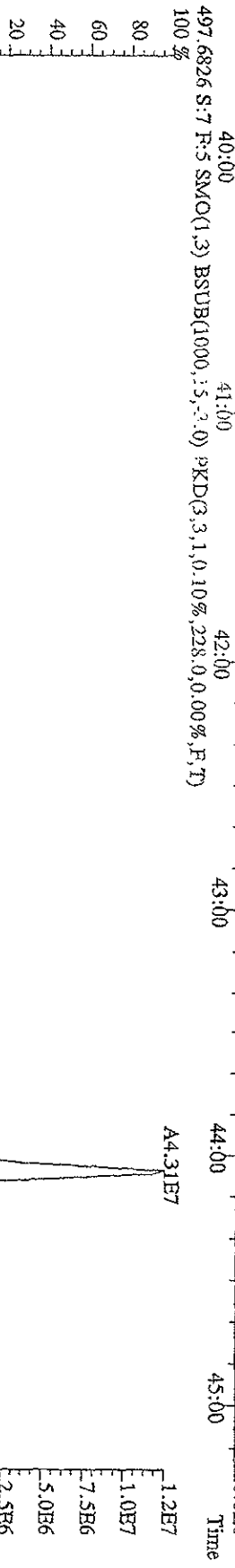
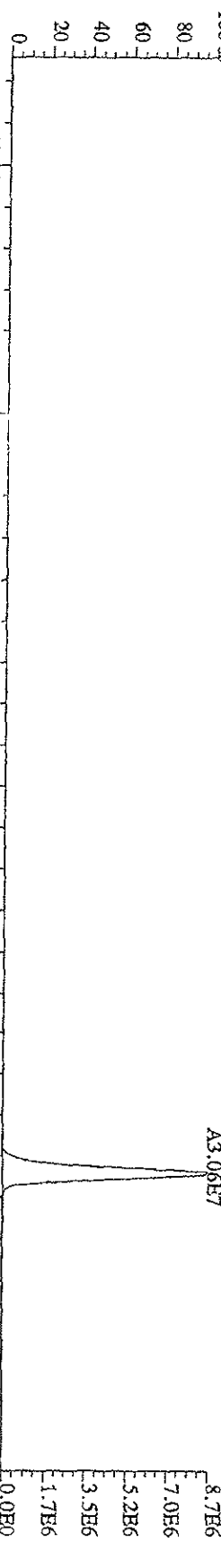
473.7648 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,24,0,0,00%,F,T)  
 100% A6.82E7



475.7619 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,868,0,0,00%,F,T)  
 100% A8.55E7



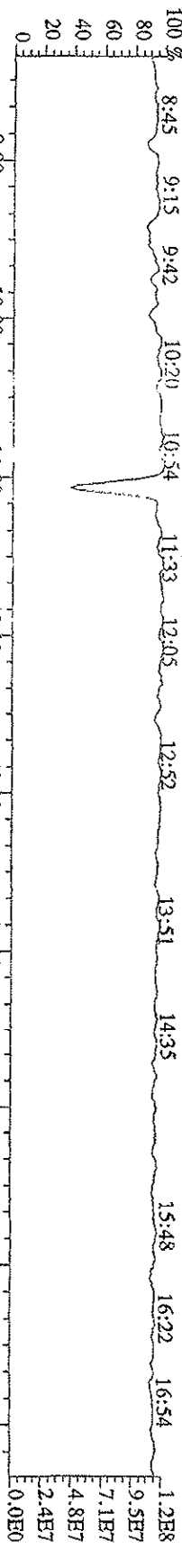
File:151A09D9D5 #1-378 Acq:16-JAN-2009 01:33:31 GC BI+ Voltage SIR Autospec-UtimaE  
 Sample#7 Text:ST0115B :2nd Source 09DXN035 Exp:209DB5  
 495.6826 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,228,0,0,00%,F,T)  
 100%



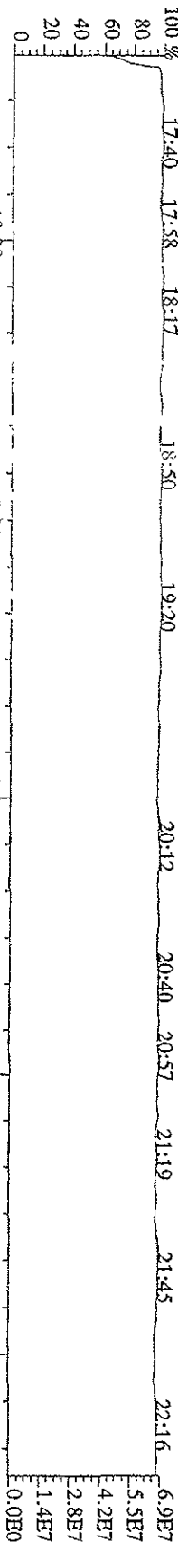
File: 151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EF+ Voltage SIR Autospec-Ultimate

Sample#7 Text:ST0115E 2nd Source 09DXNM655 Exp:209DB5

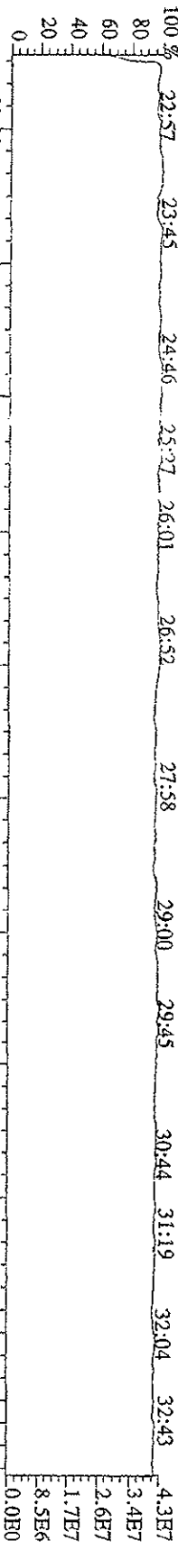
218.9836 S:7 R:4 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



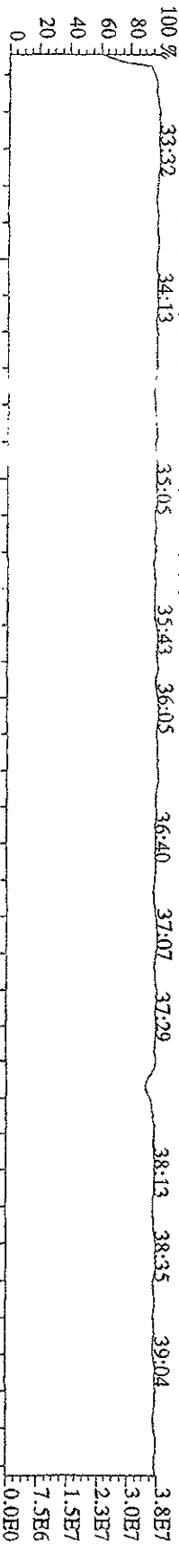
330.9792 S:7 R:2 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



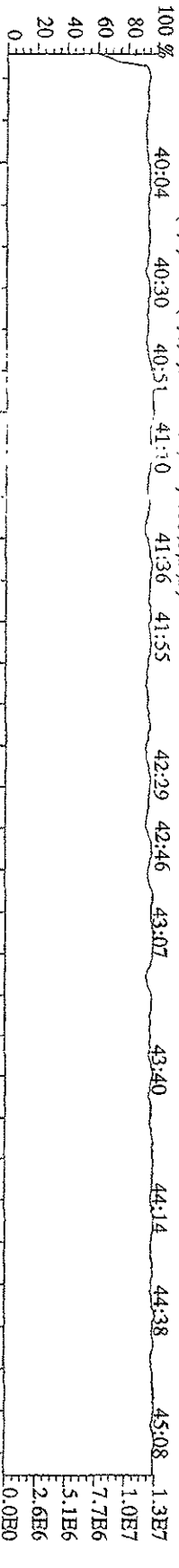
380.9760 S:7 R:3 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



480.9696 S:7 R:5 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



480.9696 S:7 R:5 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)





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**Sample Extraction/Preparation Log**  
**Copies and Checklists**

Data Checklist  
HRGCMS/LRGCMS Analyses

Lot ID #: G9A300234 Method ID: 1606P  
Sample #: \_\_\_\_\_

Data Analyst: Sk DB-5 DB-225  
Date initiated: 2/10/09  
Reviewer: JL  
Date reviewed: 02/22/09

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Method Blank present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-LCS/DCS copy present and meets native recovery criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard recoveries within limits?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Ion ratios within + 15% of theoretical values?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Other QC (Dup,MS,SD) within specs?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All raw data present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Standard target DL's used? If RL's are used specify: <u>1000</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-DL's below TD/LCL (please circle)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All positives reported at levels greater than method blank DL's?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Correct RRF's used for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard amounts correct for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Target analytes are not saturated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Dilution/splitting of extract taken into account?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Have dilution calculations been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Has a manual calculation for the sequence(s) been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Are retention times (RT) correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Manual integrations checked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments: (Use other side if necessary) ① 07-0088560

* Recovery limits:	
NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%*** (C14-C16), 25-130% (C17-8), 70-130% (sum)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614	25-150%***

**RPD limits:
50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10.1 and DL's are <LCL for target analytes.

## Preparation Data Review Checklist

Prep Batch(es) \_\_\_\_\_

Test: DX166E

Prep Date: 2/26/09

Holding Times: 1/2 | 200 NCM: Y **(N)**

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: TO

Date: 2/02/09

2<sup>nd</sup> Level Reviewer: SLG

Date: 2/6/09

Comments:

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TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: WM Lot Number: G9A 300234 Date: 2/2/09  
 Test: 1668 PCB Batch Number: 9034 255 SOP Reference Number: SAC-ID-0005  
 Extraction: 1. Soxhlet On: 1530 Off: 9:30 2. Soxhlet On: NA Off: NA

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or $\mu$ L) (circle one)	Final Conc'n
<u>G9A300234 MB</u>	<u>pu/ XAD</u>	<u>2/2/09 SV</u>	<u>2/2/09 SV</u>		<u>20.0 <math>\mu</math>L</u>	
<u>- LCS</u>					<u>20.0</u>	
<u>- 1</u>					<u>20.0</u>	
<u>- 2</u>				<u>2-6-09</u>	<u>20.0</u>	<u>2-6-09</u>
<u>- 3</u>					<u>20.0</u>	
<u>- 4</u>					<u>20.0</u>	
<u>SV 2/3/09</u>						

All Samples/ Internal Standard (IS) addition: Standard Name: 1668 daily IS  
 Spike ID Number: OSDXN 383 Volume: 200  $\mu$ L  Conc. 20 PS/ $\mu$ L Crp: 12/16/09  
 Spiked By: SV Witnessed By: TP Date: 2/2/09

LCS/LCSDS Standard Name: 1668 PCB native spike  
 Spike ID Number: SD 9145-06 Volume: 200  $\mu$ L  Conc. 20 PS/ $\mu$ L 6/15/09  
 Spiked By: SV Witnessed By: TP Date: 2/2/09

Pre-spike samples: MB only Standard Name: 1668 PCB pre-spike surr  
 Spike ID Number: SD 6217-08 Volume: 40  $\mu$ L  Conc. 100 PS/ $\mu$ L 08/21/09  
 Spiked By: SV Witnessed By: TP Date: 2/2/09

All Samples /Recovery Standard: Standard Name: Daily RS  
 Spike ID Number: 2914-50 Volume: 20  $\mu$ L  Conc. 100.0  $\mu$ g/ $\mu$ L  
 Spiked By: J Witnessed By: CC Date: 2-6-09

Split/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
<u>T.L 02/06/09</u>	<u>—</u>	<u>—</u>	<u>T.L 02/06/09</u>	<u>—</u>

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
DCM	JT Baker	NA	20% DCM:Hexane	NA	NA
Toluene	JT Baker	NA	65% DCM:Hexane	NA	NA
Hexane	JT Baker	<u>G42E44</u>	Silica Gel	<u>Whatman</u>	<u>22-22</u>
H2SO4	JT Baker	NA	Acid Alumina	NA	NA

Comments: \_\_\_\_\_

May 28, 2009

**TestAmerica Project Number: G9B250206R**  
PO/Contract: 565

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on February 25, 2009. These samples are associated with your Kettleman Hills Facility project. As requested, a full raw data package has been added to this report. In addition, some information regarding lot G9A300234 has been removed from the case narrative.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

## Table of Contents

# TestAmerica West Sacramento Project Number G9B250206

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4

    Sample Data Sheets

    Method Blank Report

    Laboratory QC Reports

Full Raw Data Package

## Case Narrative

### TestAmerica West Sacramento Project Number G9B250206R

#### General Comments

As requested, samples 1-3 were analyzed on a dissimilar phase column which is able to separate the co-eluting PCB congener pairs 105/127 & 118/106. The analyses confirmed that the PCB congeners present in the samples were indeed PCB 105 & PCB 118 (as applicable). Note: The C footnote has still been applied to the data since the results are being reported from the column that is not able to uniquely distinguish between these congener pairs.

#### AIR, 1668, WHO PCB congeners

Samples: 3

This sample has high recoveries for the 13C12-PCB-126 & 13C12-PCB-169 internal standards. Since this sample has non-detect results for the corresponding congeners well below the detection limit, no corrective action was performed. There should be no impact on the data.

There are no other anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	NA

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.



## Sample Summary

### TestAmerica West Sacramento Project Number G9B250206

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
K7N74	1	FEB09-VMS1-TO9A	2/23/2009 11:59 PM	2/25/2009 09:15 AM
K7N8A	2	FEB09-DMS1-TO9A	2/23/2009 11:59 PM	2/25/2009 09:15 AM
K7N8C	3	FEB09-MPS-TO9A	2/23/2009 11:59 PM	2/25/2009 09:15 AM
K7N8D	4	FEB09-FB-TO9A	2/23/2009 11:59 PM	2/25/2009 09:15 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sampler ID \_\_\_\_\_  
 Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124-280 (0508)

Client: **Chem. Waste Mgmt., Inc.**  
 Address: **35251 OLD SKYLINE ROAD**  
 City: **KETTLEMAN CITY** State: **CA** Zip Code: **93239**  
 Project Name and Location (State): **KWHF**  
 Contract/Purchase Order/Quote No.: **565**

Project Manager: **PAUL TURK**  
 Telephone Number (Area Code)/Fax Number: **(559) 386-6651**  
 Site Contact: **STEVEN HOLMSTADL** Lab Contact: **KAREN DAHL**  
 Carrier/Waybill Number: **FED EX**

Chain of Custody Number: **106947**  
 Date: **02/24/09**  
 Page: **1** of **1**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH				
FEB 09 - MMS1 - T09A	02/23/09	2359	X			X									
FEB 09 - MMS1 - T09A	↓	↓	X			X									
FEB 09 - MMS - T09A	↓	↓	X			X									
FEB 09 - FB - T09A	↓	↓	X			X									

Possible Hazard Identification:  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Turn Around Time Required:  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**  
 1. Reinquished By: **Steven E. Holmstahl** Date: **02/24/09** Time: **1700**  
 2. Reinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Reinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: \_\_\_\_\_ Date: **02/24/09** Time: **1005**  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \_\_\_\_\_

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



Lot

ID:

G9B250206

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF	/	/	/	/																
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

# AIR, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: FEB09-VMS1-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9B250206-001    Work Order #...: K7N741AA    Matrix.....: AIR  
 Date Sampled...: 02/23/09    Date Received...: 02/25/09  
 Prep Date.....: 02/27/09    Analysis Date...: 03/17/09  
 Prep Batch #...: 9059081  
 Dilution Factor: 10

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>1100 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	115	(25 - 150)
13C12-PCB 81	108	(25 - 150)
13C12-PCB 118	104	(25 - 150)
13C12-PCB 114	112	(25 - 150)
13C12-PCB 105	120	(25 - 150)
13C12-PCB 126	128	(25 - 150)
13C12-PCB 167	126	(25 - 150)
13C12-PCB 156	135	(25 - 150)
13C12-PCB 157	134	(25 - 150)
13C12-PCB 169	143	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	88	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: FEB09-DMS1-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9B250206-002    Work Order #...: K7N8A1AA    Matrix.....: AIR  
 Date Sampled...: 02/23/09    Date Received...: 02/25/09  
 Prep Date.....: 02/27/09    Analysis Date...: 03/17/09  
 Prep Batch #...: 9059081  
 Dilution Factor: 10

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>1500 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>3600 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	104	(25 - 150)
13C12-PCB 81	99	(25 - 150)
13C12-PCB 118	102	(25 - 150)
13C12-PCB 114	106	(25 - 150)
13C12-PCB 105	110	(25 - 150)
13C12-PCB 126	120	(25 - 150)
13C12-PCB 167	122	(25 - 150)
13C12-PCB 156	132	(25 - 150)
13C12-PCB 157	127	(25 - 150)
13C12-PCB 169	139	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	79	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: FEB09-MPS-TO9A

Trace Level Organic Compounds

Lot-Sample #....: G9B250206-003    Work Order #....: K7N8C1AA    Matrix.....: AIR  
 Date Sampled....: 02/23/09    Date Received...: 02/25/09  
 Prep Date.....: 02/27/09    Analysis Date...: 03/25/09  
 Prep Batch #....: 9059081  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>3700 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>8500 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	118	(25 - 150)
13C12-PCB 81	122	(25 - 150)
13C12-PCB 118	132	(25 - 150)
13C12-PCB 114	146	(25 - 150)
13C12-PCB 105	150	(25 - 150)
13C12-PCB 126	192 *	(25 - 150)
13C12-PCB 167	127	(25 - 150)
13C12-PCB 156	140	(25 - 150)
13C12-PCB 157	137	(25 - 150)
13C12-PCB 169	152 *	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	67	(25 - 150)

**NOTE(S) :**

- C Co-eluting isomer
- \* Surrogate recovery is outside stated control limits.



Wenck Associates, Inc.

Client Sample ID: FEB09-FB-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9B250206-004    Work Order #...: K7N8D1AA    Matrix.....: AIR  
 Date Sampled...: 02/23/09    Date Received...: 02/25/09  
 Prep Date.....: 02/27/09    Analysis Date...: 03/17/09  
 Prep Batch #...: 9059081  
 Dilution Factor: 10

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	55	(25 - 150)
13C12-PCB 81	57	(25 - 150)
13C12-PCB 118	66	(25 - 150)
13C12-PCB 114	66	(25 - 150)
13C12-PCB 105	71	(25 - 150)
13C12-PCB 126	86	(25 - 150)
13C12-PCB 167	101	(25 - 150)
13C12-PCB 156	111	(25 - 150)
13C12-PCB 157	109	(25 - 150)
13C12-PCB 169	122	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	86	(25 - 150)

# QC DATA ASSOCIATION SUMMARY

G9B250206

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9059081	
002	AIR	EPA-14 1668		9059081	
003	AIR	EPA-14 1668		9059081	
004	AIR	EPA-14 1668		9059081	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9B250206      Work Order #...: K7WH91AA      Matrix.....: AIR  
 MB Lot-Sample #: G9B280000-081  
 Prep Date.....: 02/27/09  
 Analysis Date...: 03/06/09      Prep Batch #...: 9059081  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	85	(25 - 150)
13C12-PCB 81	81	(25 - 150)
13C12-PCB 118	70	(25 - 150)
13C12-PCB 114	75	(25 - 150)
13C12-PCB 105	80	(25 - 150)
13C12-PCB 126	91	(25 - 150)
13C12-PCB 167	116	(25 - 150)
13C12-PCB 156	125	(25 - 150)
13C12-PCB 157	125	(25 - 150)
13C12-PCB 169	137	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	80	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL, SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9B250206      Work Order #...: K7WH91AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9B280000-081  
 Prep Date.....: 02/27/09      Analysis Date...: 03/06/09  
 Prep Batch #...: 9059081  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	4360	pg	109	EPA-14 1668
PCB 81 (BZ)	4000	4370	pg	109	EPA-14 1668
PCB 105 (BZ)	4000	4850	pg	121	EPA-14 1668
PCB 114 (BZ)	4000	4840	pg	121	EPA-14 1668
PCB 118 (BZ)	4000	4920	pg	123	EPA-14 1668
PCB 123 (BZ)	4000	4850	pg	121	EPA-14 1668
PCB 126 (BZ)	4000	4770	pg	119	EPA-14 1668
PCB 156 (BZ)	4000	4270	pg	107	EPA-14 1668
PCB 157 (BZ)	4000	4260	pg	107	EPA-14 1668
PCB 167 (BZ)	4000	2890	pg	72	EPA-14 1668
PCB 169 (BZ)	4000	4270	pg	107	EPA-14 1668
PCB 189 (BZ)	4000	4140	pg	103	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	77	(25 - 150)
13C12-PCB 81	76	(25 - 150)
13C12-PCB 118	64	(25 - 150)
13C12-PCB 114	70	(25 - 150)
13C12-PCB 105	74	(25 - 150)
13C12-PCB 126	88	(25 - 150)
13C12-PCB 167	109	(25 - 150)
13C12-PCB 156	120	(25 - 150)
13C12-PCB 157	119	(25 - 150)
13C12-PCB 169	132	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results  
 Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9B250206      Work Order #...: K7WH91AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9B280000-081  
 Prep Date.....: 02/27/09      Analysis Date...: 03/06/09  
 Prep Batch #...: 9059081  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	109	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	109	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	121	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	121	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	123	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	121	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	119	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	107	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	107	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	72	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	107	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	103	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	77	(25 - 150)
13C12-PCB 81	76	(25 - 150)
13C12-PCB 118	64	(25 - 150)
13C12-PCB 114	70	(25 - 150)
13C12-PCB 105	74	(25 - 150)
13C12-PCB 126	88	(25 - 150)
13C12-PCB 167	109	(25 - 150)
13C12-PCB 156	120	(25 - 150)
13C12-PCB 157	119	(25 - 150)
13C12-PCB 169	132	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

# AIR, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

*Includes (as applicable):*

*runlogs*

*continuing calibration standards*

*interference/performance check standards*

*continuing calibration blanks*

*method blanks*

*lcs*

*ms/sd*

*sample raw data*

*ms tune data*



Run text: K7WH9-1-AA      Sample text: K7WH9-1-AA :G9B280000-81B  
 Run #34 Filename: 05MR099D5    S: 35    I: 1      Results: 05MR099D51668MSLDEC  
 Acquired: 6-MAR-09    14:51:52      Processed: 6-MAR-09    17:16:10  
 Run: 05MR099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000Samp

*RL=1000*

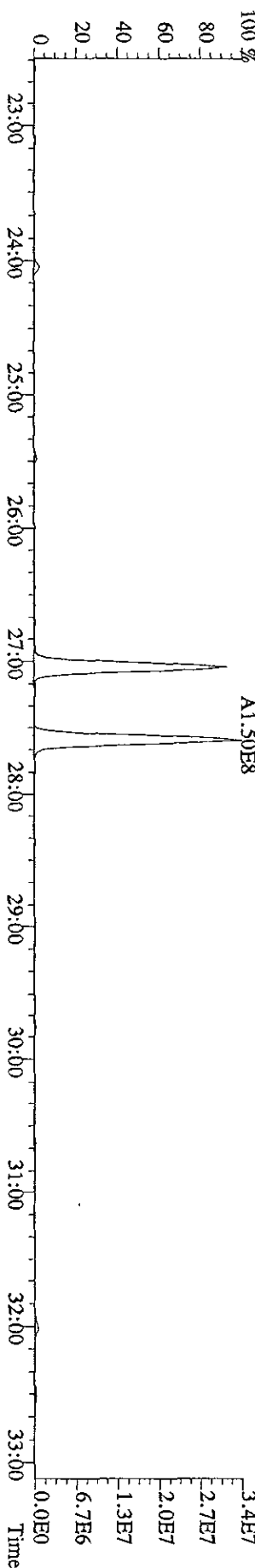
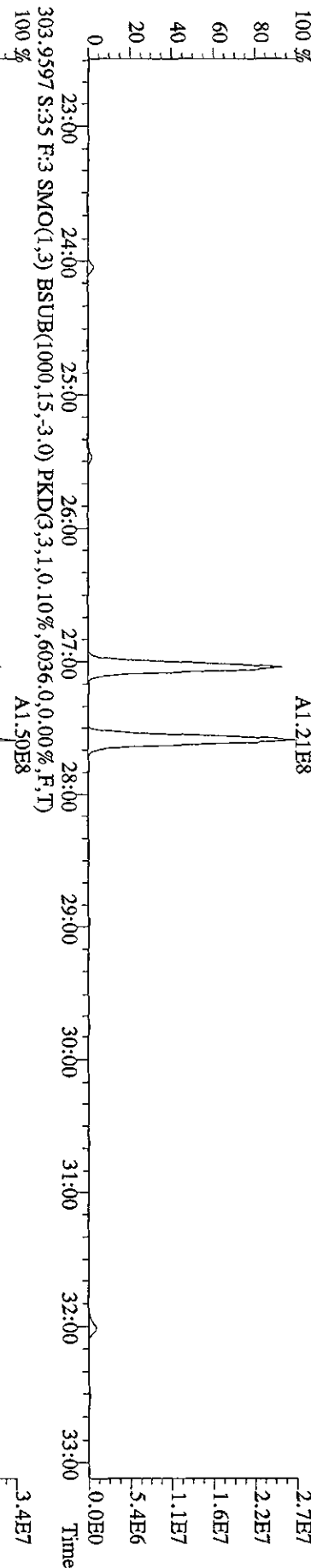
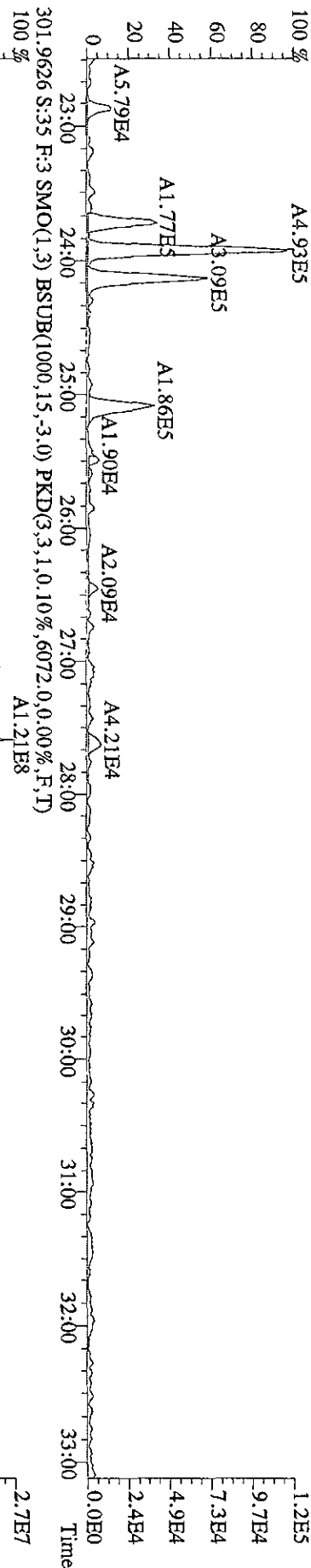
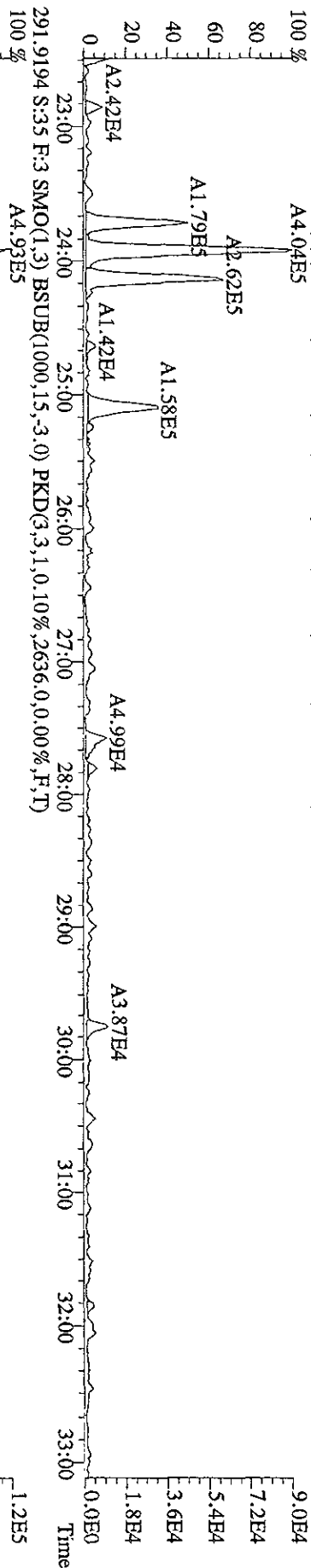
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	322902752	0.66 y	25:29	-	264.12	-	-	n
13C-TCB-81	247880824	0.80 y	27:02	0.95	3241.52	1.72	81.0	n
TCB-81	*	* n	NotFnd	1.28	*	0.67	-	n
13C-TCB-77	270646592	0.80 y	27:36	0.98	3412.73	1.66	85.3	n
TCB-77	*	* n	NotFnd	1.10	*	0.72	-	n
13C-PeCB-123	220412568	0.66 y	28:58	0.87	3133.09	1.17	78.3	n
PeCB-123	*	* n	NotFnd	1.51	*	0.86	-	n
13C-PeCB-118	223772904	0.65 y	29:06	0.98	2815.56	1.03	70.4	n
PeCB-118/106	771629	0.58 y	29:07	1.53	9.03	0.84	-	n
13C-PeCB-114	232861168	0.66 y	29:46	0.97	2985.08	1.05	74.6	n
PeCB-114	63880	0.72 n	29:46	1.59	0.69	0.80	-	n
13C-PeCB-105	230426120	0.66 y	30:38	0.90	3181.34	1.13	79.5	n
PeCB-105/127	244590	0.63 y	30:39	1.42	2.99	0.92	-	n
13C-PeCB-126	268244136	0.65 y	32:31	0.91	3645.48	1.12	91.1	n
PeCB-126	*	* n	NotFnd	1.17	*	1.01	-	n
13C-OcCB-202	346897520	0.93 y	34:50	-	269.58	-	-	n
13C-HxCB-167	338165456	1.25 y	33:38	0.84	4633.40	2.68	115.8	n
HxCB-167	*	* n	NotFnd	1.17	*	0.63	-	n
13C-HxCB-156	291564208	1.26 y	34:56	0.67	5016.21	3.36	125.4	n
HxCB-156	100058	1.09 y	34:59	1.45	0.95	0.63	-	n
13C-HxCB-157	306500240	1.24 y	35:16	0.71	5000.03	3.19	125.0	n
HxCB-157	51457	1.69 n	35:18	1.45	0.46	0.58	-	n
13C-HxCB-169	349035712	1.25 y	37:05	0.73	5486.93	3.07	137.2	n
HxCB-169	*	* n	NotFnd	0.99	*	0.75	-	n
13C-HpCB-180	254077920	1.03 y	35:54	0.58	5011.32	1.53	125.3	n
HpCB-180	293076	1.07 y	35:55	1.27	3.65	1.56	-	n
13C-HpCB-170	213661904	1.04 y	37:34	0.47	5193.13	1.89	129.8	n
HpCB-170/190	*	* n	NotFnd	1.61	*	1.48	-	n
13C-HpCB-189	292591232	1.03 y	39:10	0.60	5636.85	1.50	140.9	n
HpCB-189	*	* n	NotFnd	1.21	*	1.41	-	n
13C-DeCB-209	180113352	0.74 y	44:08	0.46	4513.30	1.13	112.8	n
DECB-209	87730	1.37 n	44:09	1.50	1.29	0.70	-	n
13C-PeCB-111	247245576	0.66 y	26:56	1.36	3213.15	1.23	80.3	n

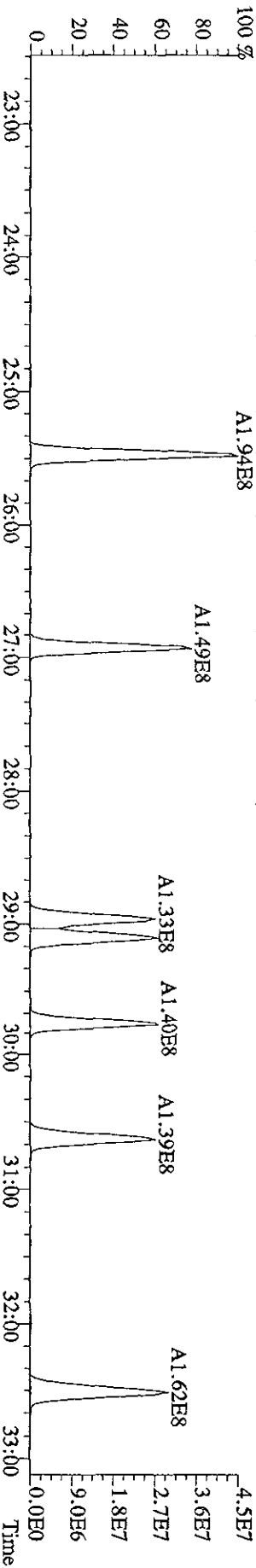
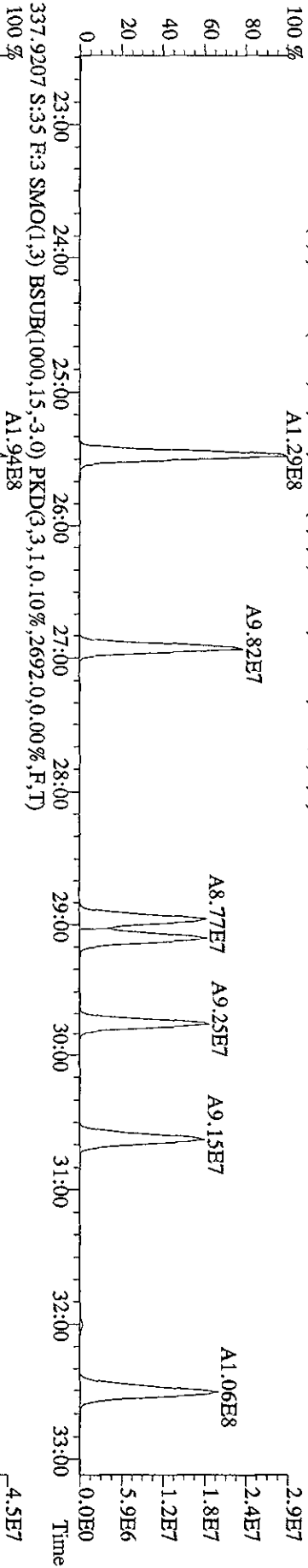
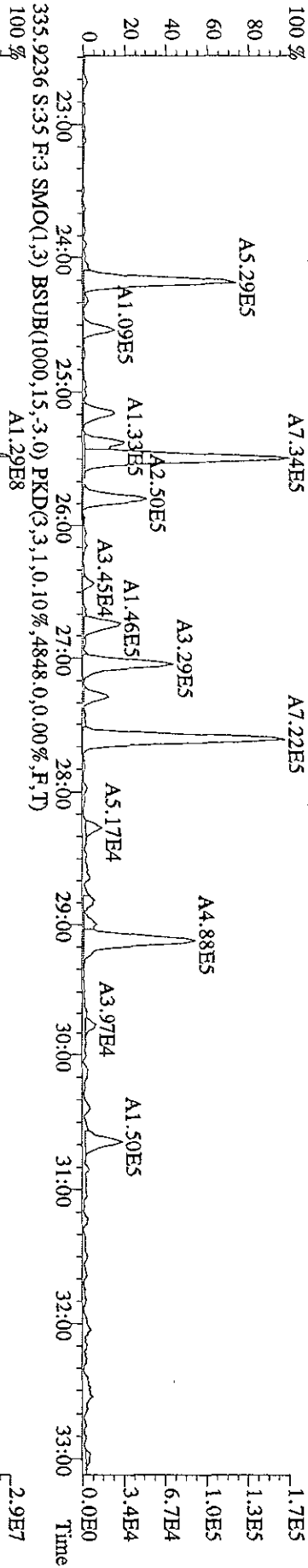
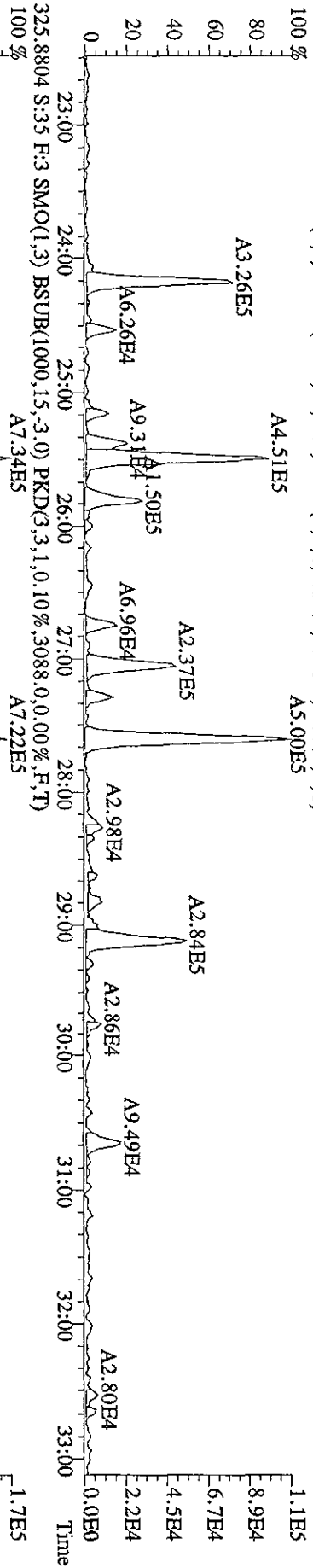
*RL* (with arrow pointing down)

*NA*

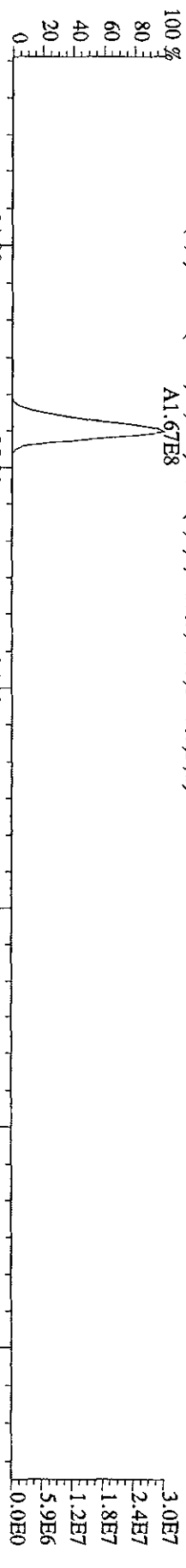
*AK 3/29/09*

File:05MR099D5 #1-599 Acq: 6-MAR-2009 14:51:52 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#35 Text:K7WH9-1-AA :G9B280000-81B Exp:209DB5  
 289.9224 S:3.5 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2192,0,0.00%,F,T)  
 100 % A4.04E5

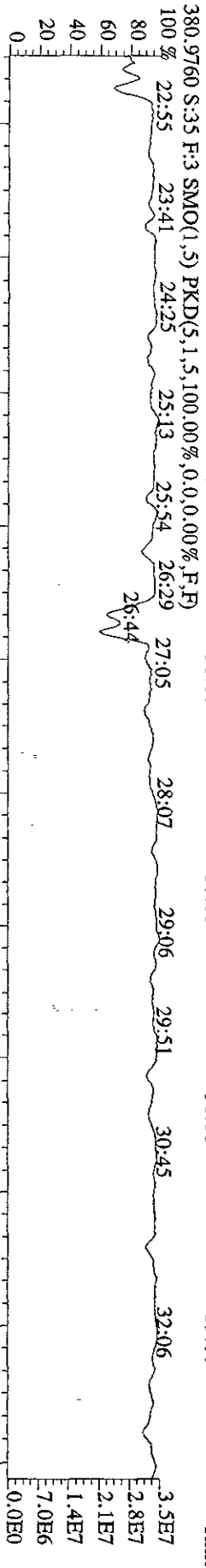
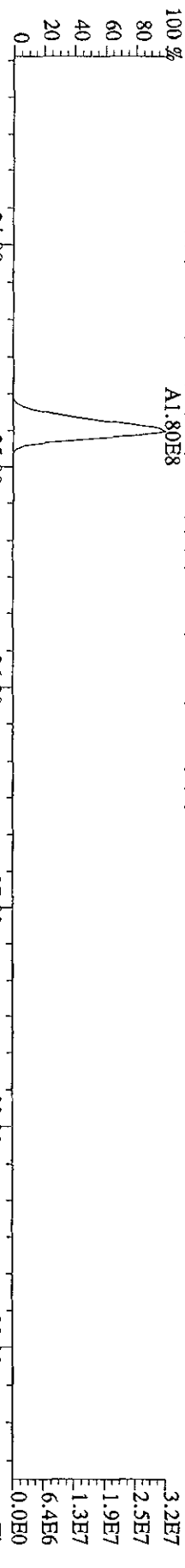




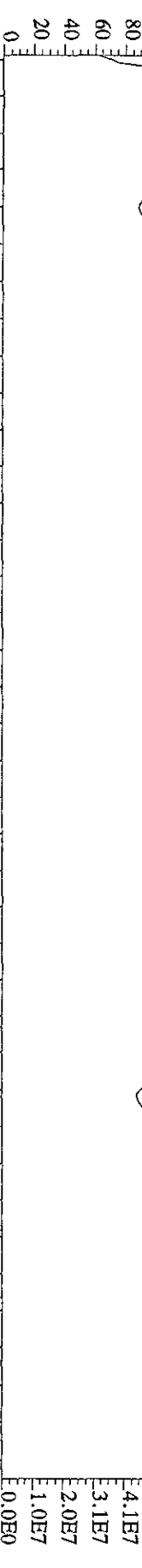
File:05MR099D5 #1-393 Acq: 6-MAR-2009 14:51:52 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#35 Text:K7WH9-1-AA :G9B280000-81B Exp:209DB5  
 439,8038 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,92,0,0,00%,F,T)  
 A1.67E8



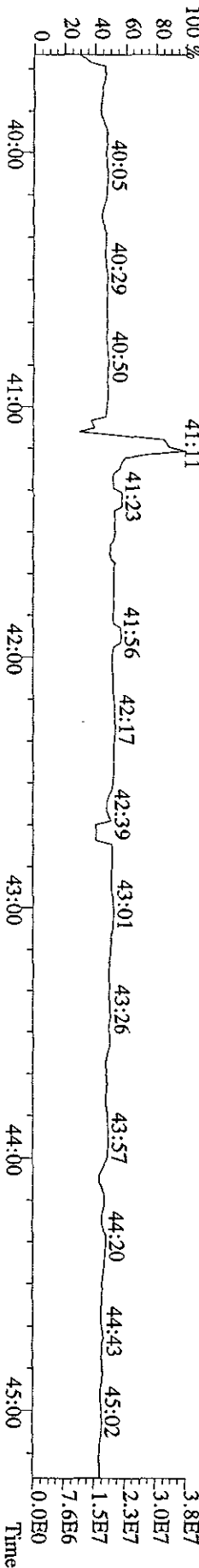
441,8008 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2240,0,0,00%,F,T)  
 A1.80E8

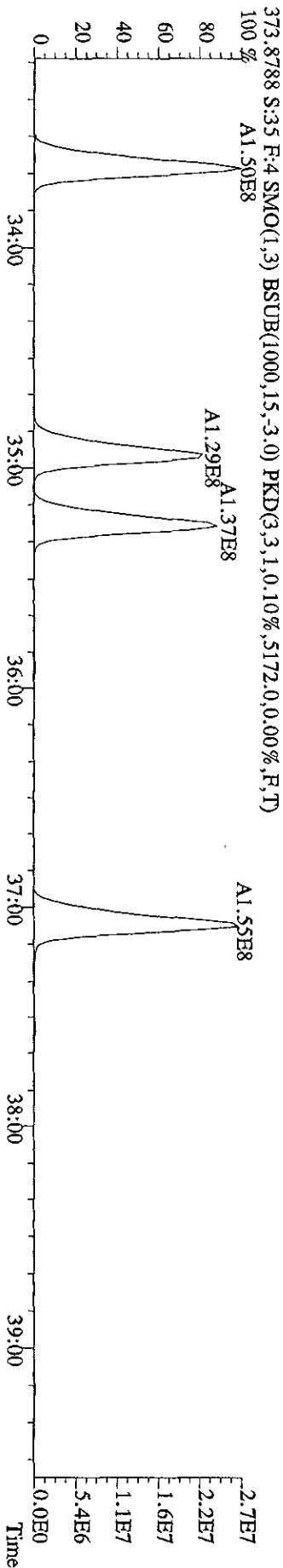
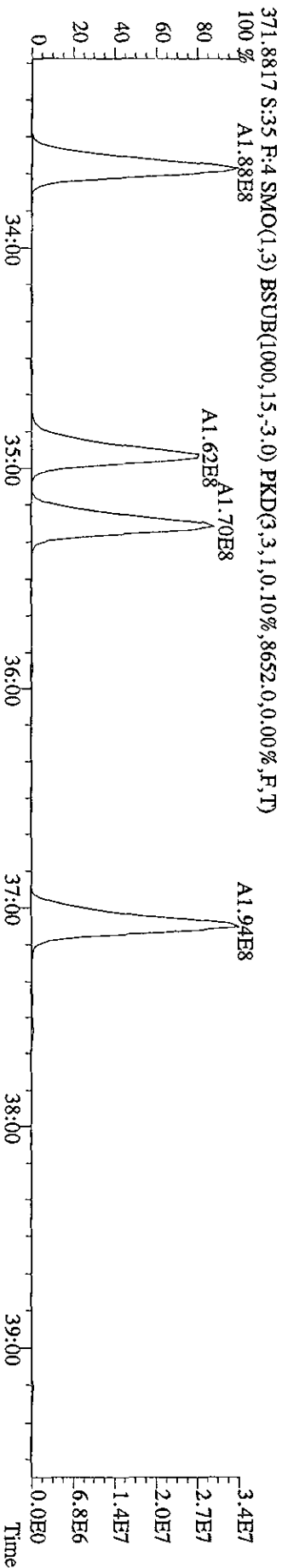
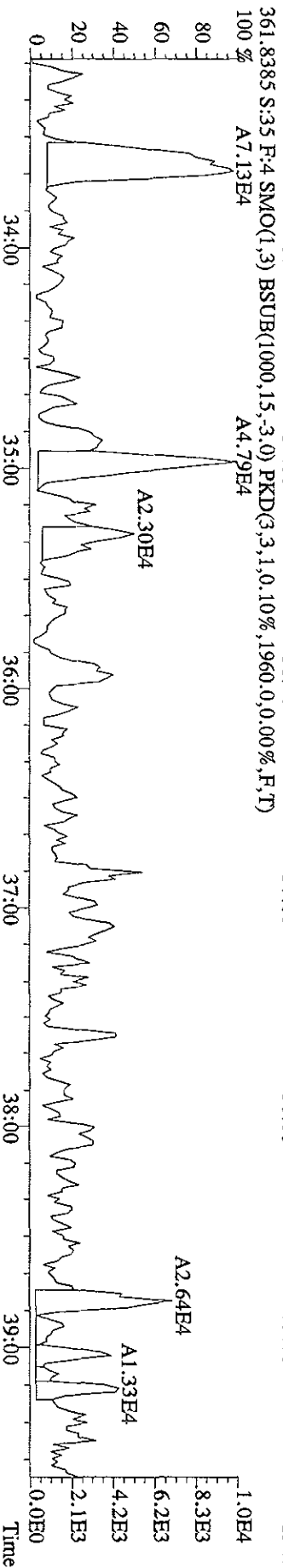
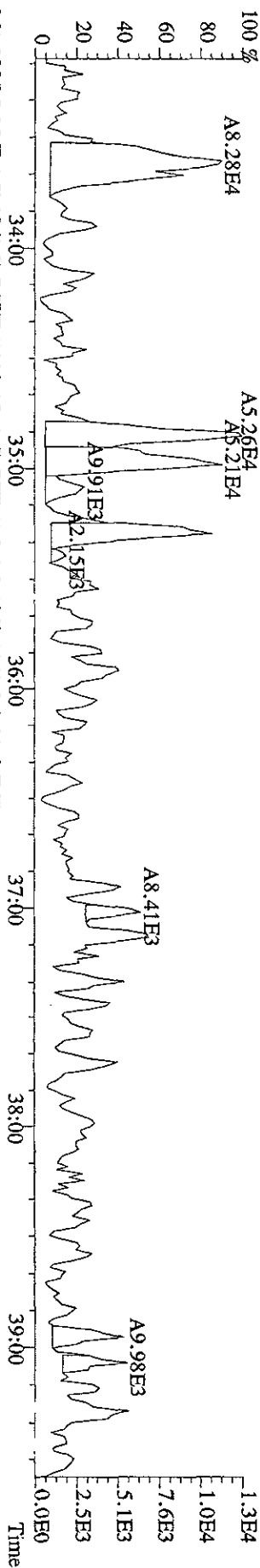


380,9760 S:35 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 33:22 33:41 34:11 34:31 35:16 35:53 36:13 36:43 37:04 37:37 38:13 38:37 38:59

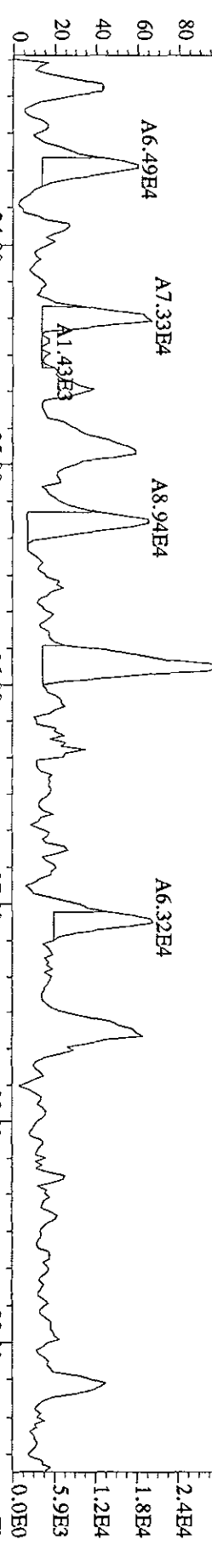


480,9696 S:35 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 41:11

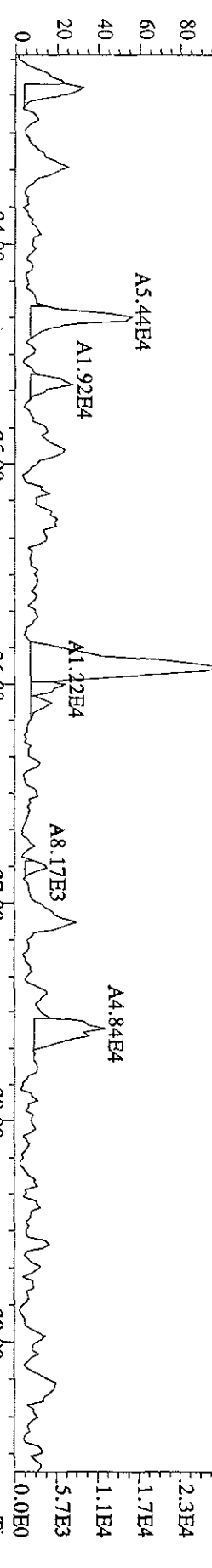




File:05MR099D5 #1-393 Acq: 6-MAR-2009 14:51:52 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#35 Text:K7WH9-1-AA :G9B280000-81B Exp:209DB5  
 393.8025 S:3.5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6112,0,0,00%,F,T)  
 100 % A1.51E5



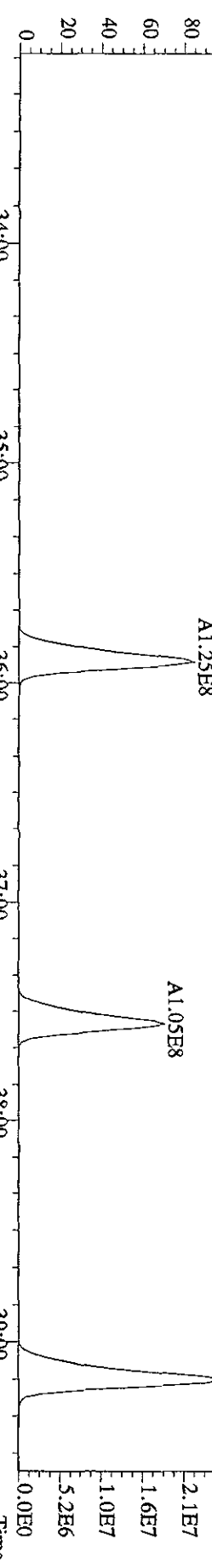
395.7995 S:3.5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2808,0,0,00%,F,T)  
 100 % A1.42E5



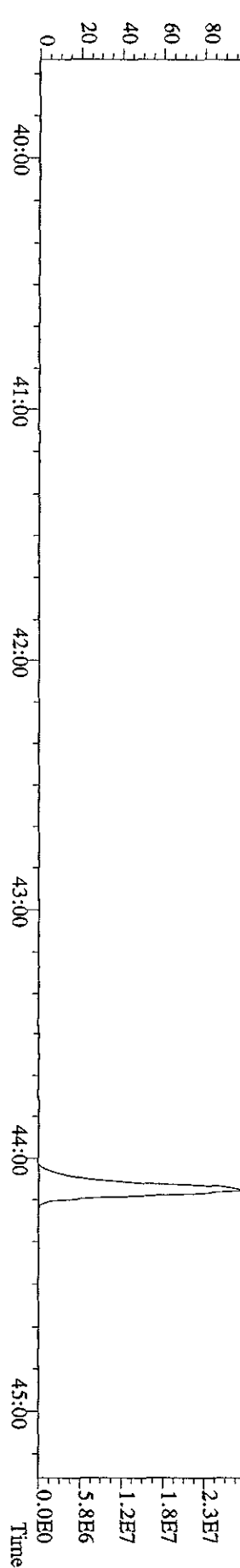
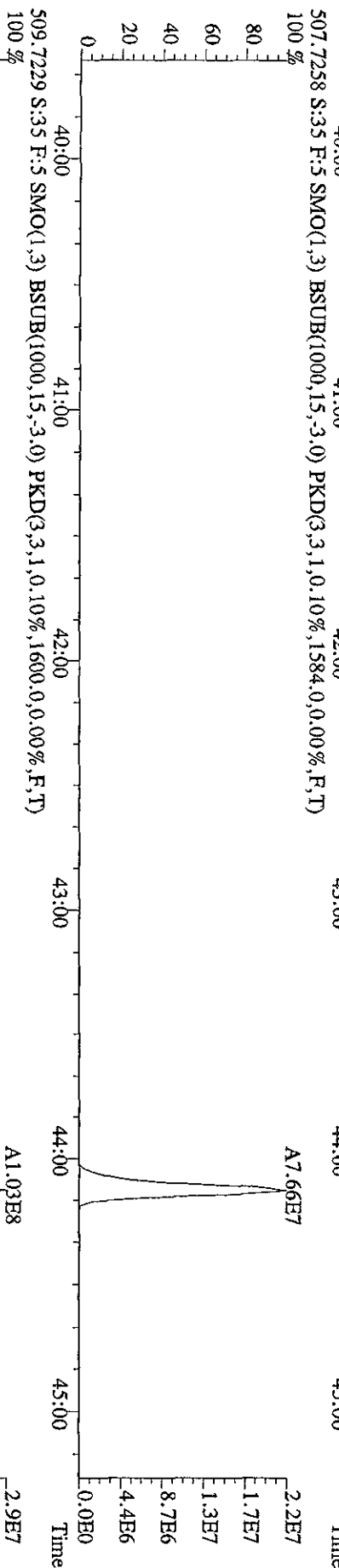
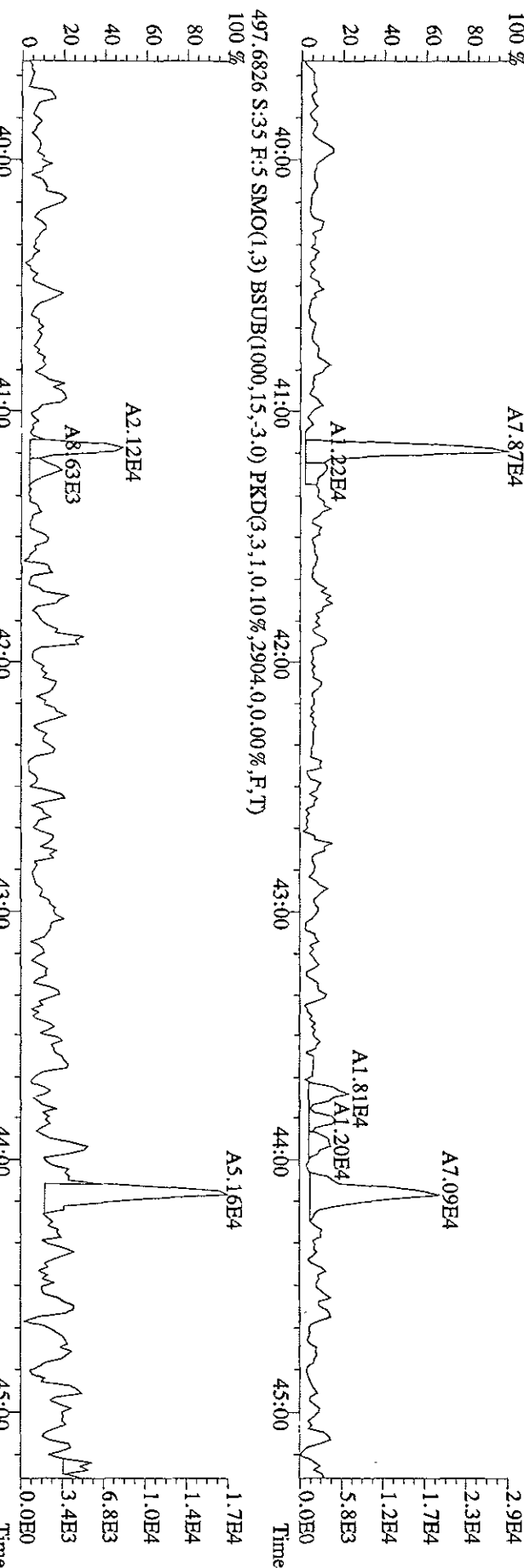
405.8428 S:3.5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3004,0,0,00%,F,T)  
 100 % A1.29E8



407.8398 S:3.5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2496,0,0,00%,F,T)  
 100 % A1.25E8



File:05MR099D5 #1-376 Acq: 6-MAR-2009 14:51:52 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#35 Text:K7WH9-1-AA :G9B280000-81B Exp:209DB5  
 495.6826 S:35 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2904,0,0.00%,F,T)  
 100 % A7.87E4



Run text: K7WH9-1-AC Sample text: K7WH9-1-AC :G9B280000-81C  
 Run #35 Filename: 05MR099D5 S: 36 I: 1 Results: 05mr099d51668msldec  
 Acquired: 6-MAR-09 15:43:15 Processed: 6-MAR-09 17:16:12  
 Run: 05MR099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 Samp

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	308106000	0.66 y	25:28	-	252.02	-	-	n
13C-TCB-81	221747400	0.80 y	27:02	0.95	3039.04	1.83	76.0	n
TCB-81	309424000	0.80 y	27:03	1.28	4366.46	2.50	-	n
13C-TCB-77	232464000	0.81 y	27:35	0.98	3072.04	1.76	76.8	n
TCB-77	279488000	0.80 y	27:36	1.10	4358.30	2.84	-	n
13C-PeCB-123	200385300	0.66 y	28:58	0.87	2985.21	1.38	74.6	n
PeCB-123	366908000	0.61 y	28:59	1.51	4853.55	1.17	-	n
13C-PeCB-118	194426800	0.67 y	29:06	0.98	2563.80	1.23	64.1	n
PeCB-118/106	365591000	0.62 y	29:07	1.53	4922.30	1.16	-	n
13C-PeCB-114	207826600	0.66 y	29:45	0.97	2792.11	1.25	69.8	n
PeCB-114	398360000	0.61 y	29:46	1.59	4835.91	1.07	-	n
13C-PeCB-105	205723700	0.66 y	30:37	0.90	2976.70	1.34	74.4	n
PeCB-105/127	354700000	0.61 y	30:38	1.42	4849.10	1.27	-	n
13C-PeCB-126	247800400	0.66 y	32:31	0.91	3529.37	1.32	88.2	n
PeCB-126	346585000	0.62 y	32:32	1.17	4768.60	1.37	-	n
13C-OcCB-202	330185000	0.92 y	34:49	-	256.59	-	-	n
13C-HxCB-167	303301000	1.25 y	33:39	0.84	4366.04	2.69	109.2	n
HxCB-167	256499000	1.28 y	33:39	1.17	2894.07	4.06	-	y
13C-HxCB-156	266050000	1.27 y	34:56	0.67	4808.93	3.38	120.2	n
HxCB-156	412696000	1.25 y	34:57	1.45	4272.50	3.79	-	n
13C-HxCB-157	278433000	1.25 y	35:15	0.71	4772.06	3.20	119.3	n
HxCB-157	429222000	1.25 y	35:16	1.45	4263.05	3.61	-	n
13C-HxCB-169	318653000	1.26 y	37:04	0.73	5262.85	3.09	131.6	n
HxCB-169	336330000	1.25 y	37:05	0.99	4268.07	4.67	-	n
13C-HpCB-180	230872000	1.04 y	35:53	0.58	4784.10	2.03	119.6	n
HpCB-180	309501000	1.08 y	35:55	1.27	4238.26	2.32	-	n
13C-HpCB-170	194827900	1.04 y	37:33	0.47	4975.04	2.50	124.4	n
HpCB-170/190	327338000	1.08 y	37:34	1.61	4183.53	2.23	-	n
13C-HpCB-189	268193000	1.03 y	39:10	0.60	5428.33	1.98	135.7	n
HpCB-189	334477000	1.07 y	39:11	1.21	4135.17	2.16	-	n
13C-DeCB-209	163117600	0.75 y	44:07	0.46	4294.31	1.31	107.4	n
DECB-209	266564000	0.72 y	44:08	1.50	4344.12	0.65	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	1.61	*	n

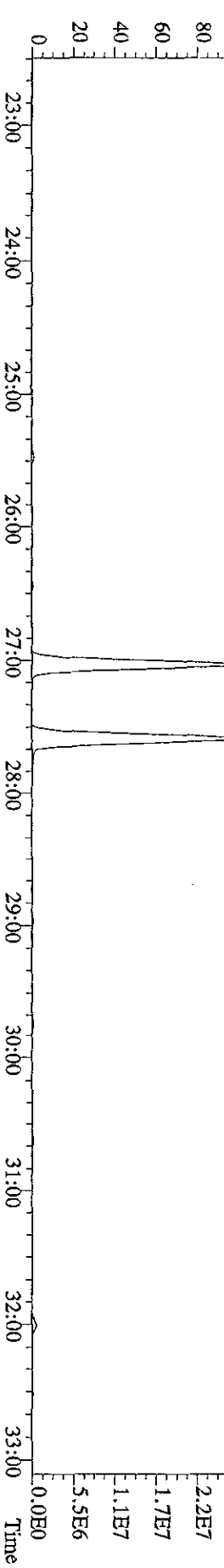
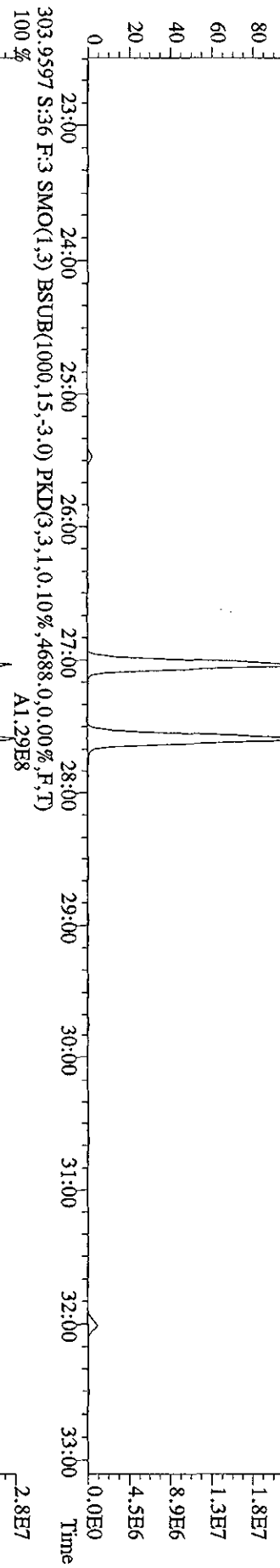
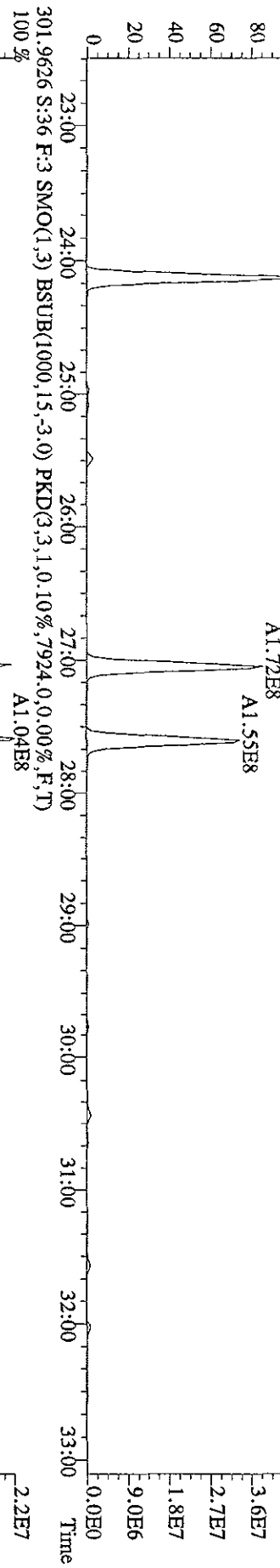
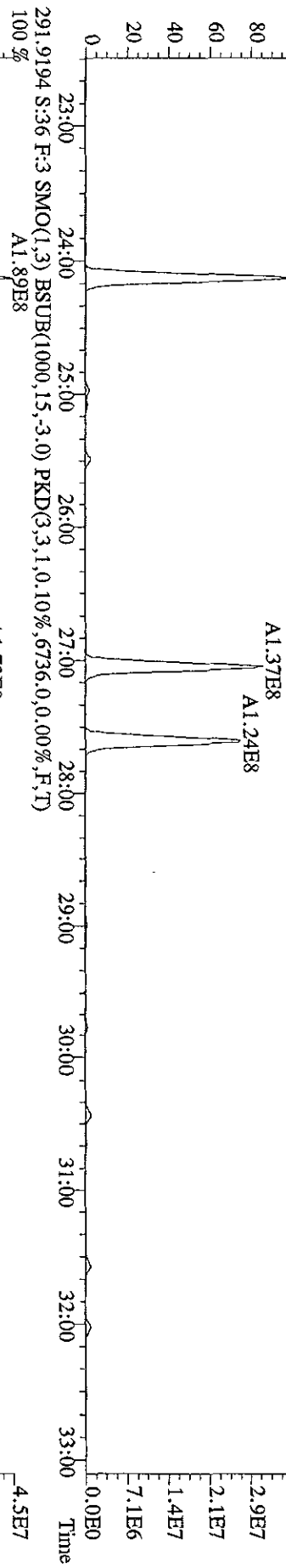
*AK 3/19/09*



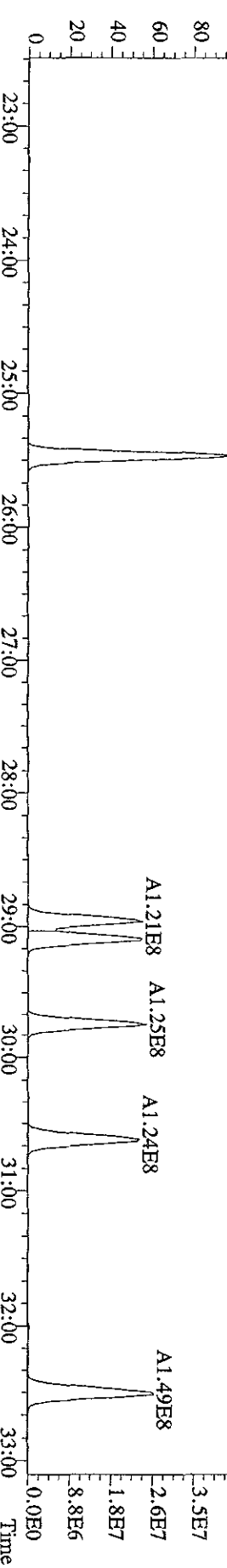
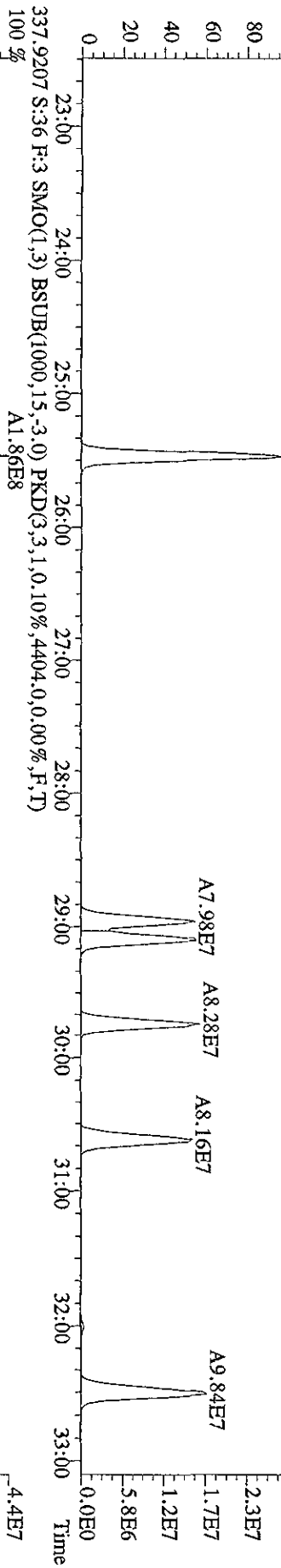
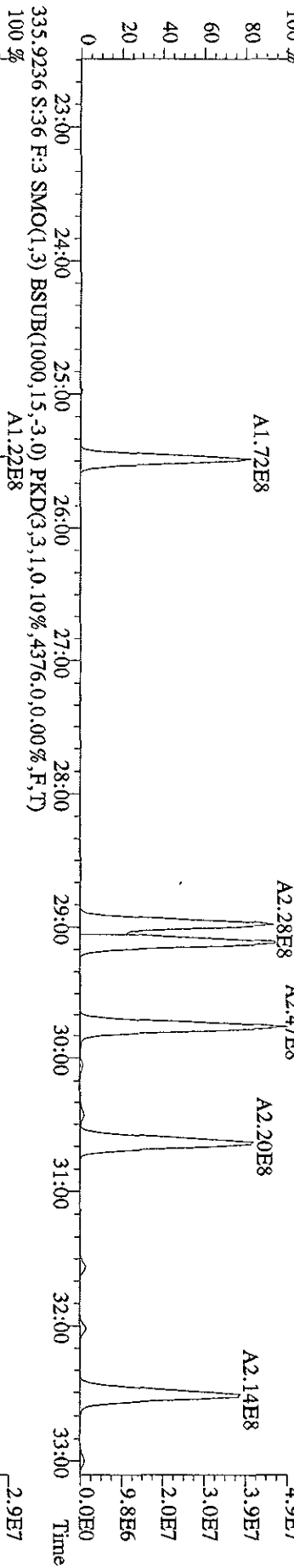
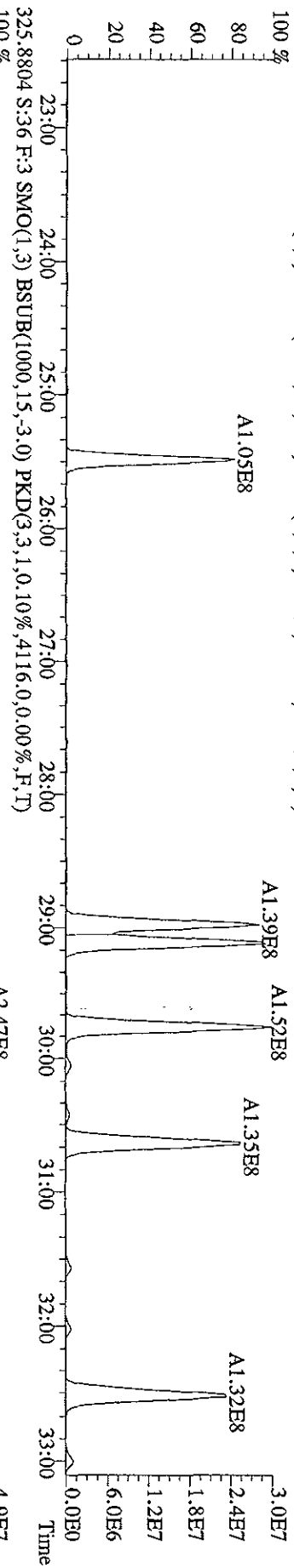
Run text: K7WH9-1-AC Sample text: K7WH9-1-AC ;G9B280000-81C  
 Run #35 Filename: 05MR099D5 S: 36 I: 1 Results: 05MR099D51668MSLDEC  
 Acquired: 6-MAR-09 15:43:15 Processed: 6-MAR-09 17:16:12  
 Run: 05MR099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Samp

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	308105776	0.66 y	25:28	-	252.02	-	-	n
13C-TCB-81	221747848	0.80 y	27:02	0.95	3039.05	1.83	76.0	n
TCB-81	309423760	0.80 y	27:03	1.28	4366.45	2.50	-	n
13C-TCB-77	232464704	0.81 y	27:35	0.98	3072.05	1.76	76.8	n
TCB-77	279487904	0.80 y	27:36	1.10	4358.28	2.84	-	n
13C-PeCB-123	200385432	0.66 y	28:58	0.87	2985.21	1.38	74.6	n
PeCB-123	366907664	0.61 y	28:59	1.51	4853.54	1.17	-	n
13C-PeCB-118	194426960	0.67 y	29:06	0.98	2563.81	1.23	64.1	n
PeCB-118/106	365590592	0.62 y	29:07	1.53	4922.29	1.16	-	n
13C-PeCB-114	207827032	0.66 y	29:45	0.97	2792.11	1.25	69.8	n
PeCB-114	398359712	0.61 y	29:46	1.59	4835.90	1.07	-	n
13C-PeCB-105	205723952	0.66 y	30:37	0.90	2976.70	1.34	74.4	n
PeCB-105/127	354699440	0.61 y	30:38	1.42	4849.09	1.27	-	n
13C-PeCB-126	247800872	0.66 y	32:31	0.91	3529.38	1.32	88.2	n
PeCB-126	346585048	0.62 y	32:32	1.17	4768.59	1.37	-	n
13C-OcCB-202	330185584	0.92 y	34:49	-	256.59	-	-	n
13C-HxCB-167	303301040	1.25 y	33:39	0.84	4366.03	2.69	109.2	n
HxCB-167	688931744	1.24 y	33:39	1.17	7773.19	4.06	-	n
13C-HxCB-156	266050704	1.27 y	34:56	0.67	4808.93	3.38	120.2	n
HxCB-156	412696208	1.25 y	34:57	1.45	4272.49	3.79	-	n
13C-HxCB-157	278433256	1.25 y	35:15	0.71	4772.06	3.20	119.3	n
HxCB-157	429221584	1.25 y	35:16	1.45	4263.04	3.61	-	n
13C-HxCB-169	318653376	1.26 y	37:04	0.73	5262.85	3.09	131.6	n
HxCB-169	336329520	1.25 y	37:05	0.99	4268.06	4.67	-	n
13C-HpCB-180	230871968	1.04 y	35:53	0.58	4784.09	2.03	119.6	n
HpCB-180	309501152	1.08 y	35:55	1.27	4238.26	2.32	-	n
13C-HpCB-170	194827808	1.04 y	37:33	0.47	4975.03	2.50	124.4	n
HpCB-170/190	327338208	1.08 y	37:34	1.61	4183.53	2.23	-	n
13C-HpCB-189	268192832	1.03 y	39:10	0.60	5428.32	1.98	135.7	n
HpCB-189	334476800	1.07 y	39:11	1.21	4135.17	2.16	-	n
13C-DeCB-209	163117616	0.75 y	44:07	0.46	4294.30	1.31	107.4	n
DeCB-209	266563936	0.72 y	44:08	1.50	4344.12	0.65	-	n
13C-PeCB-111		* * n	NotFnd	1.36	*	1.61	*	n

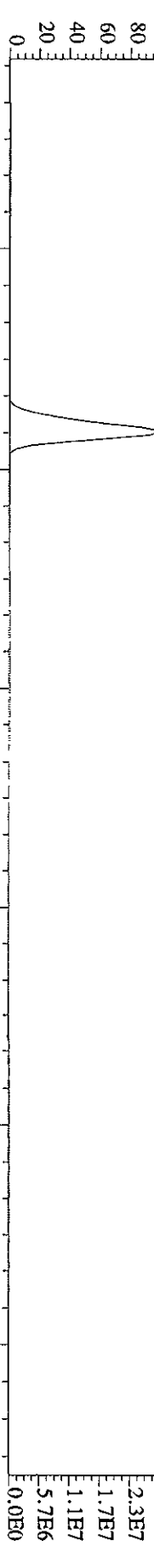
File:05MR099D5 #1-598 Acq: 6-MAR-2009 15:43:15 GC EI+ Voltage SIR Autospec-Ultimat  
 Sample#36 Text:K7WH9-1-AC :G9B280000-81C Exp:209DB5  
 289.9224 S:36 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8912.0,0.00%,F,T)  
 100% A1.49E8



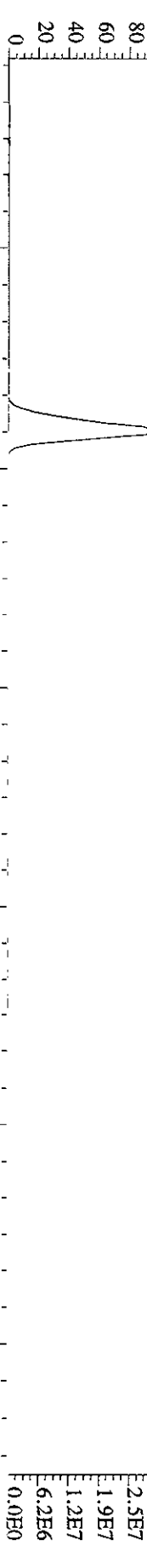
File:05MR099D5 #1-598 Acq: 6-MAR-2009 15:43:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#36 Text:K7WH9-1-AC :G9B280000-81C Exp:209DB5  
 323.8834 S:3.6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2972,0,0.00%,F,T)  
 100 %



File:05MR099D5 #1-394 Acq: 6-MAR-2009 15:43:15 GC EL+ Voltage SIR Autospec-Ultimate  
 Sample#36 Text:K7WH9-1-AC :G9B280000-81C Exp:209DB5  
 439.8038 S:3.6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1508,0,0,00%,F,T)  
 A1.58E8



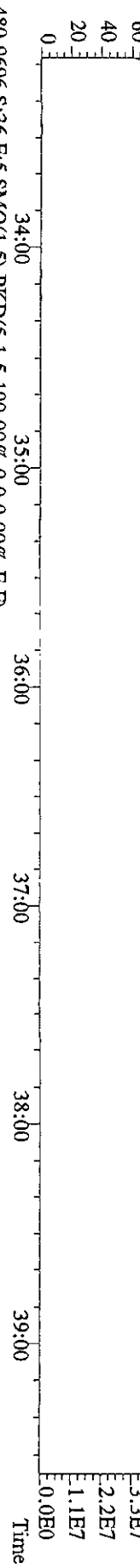
441.8008 S:3.6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2968,0,0,00%,F,T)  
 A1.72E8



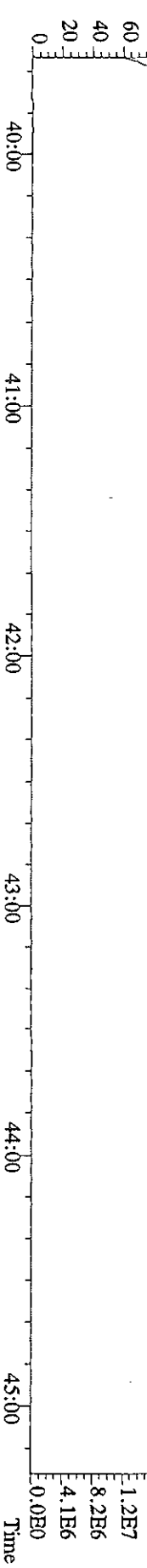
380.9760 S:3.6 F:3 SMO(1.5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100 % 23:04 23:52 24:29 25:23 25:55 26:29 26:44 27:28 28:10 28:56 30:14 30:57 31:54 32:35



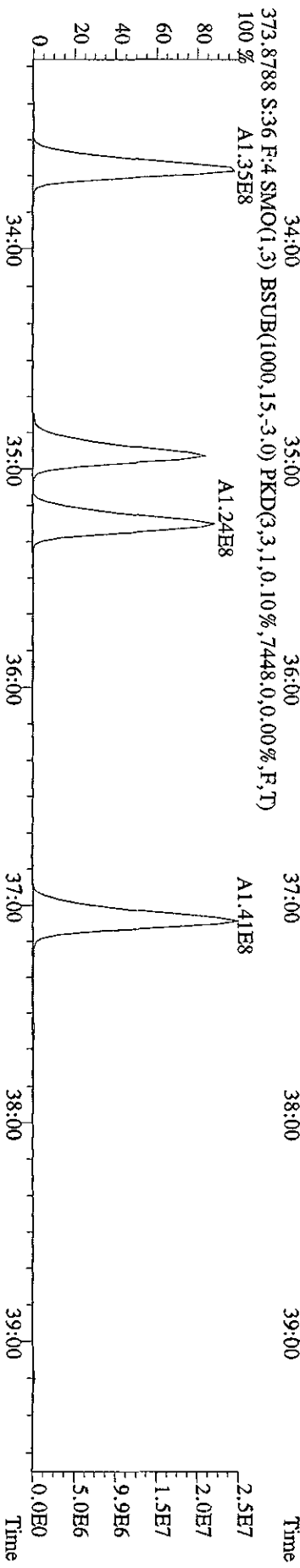
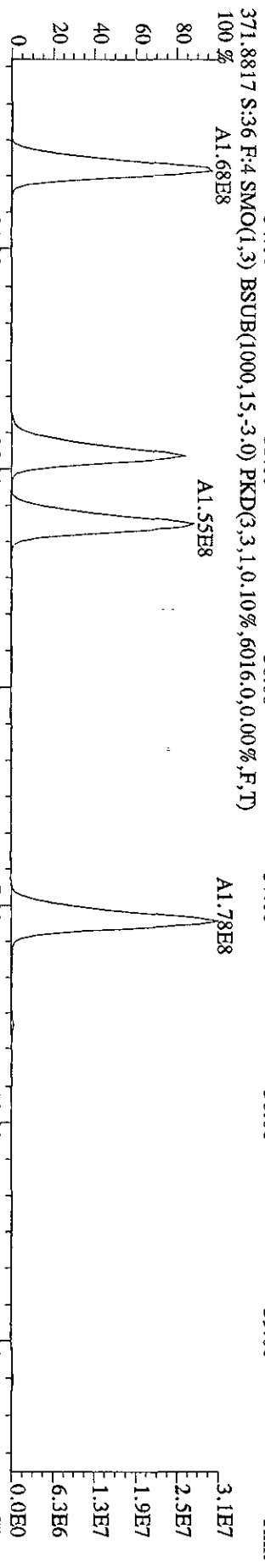
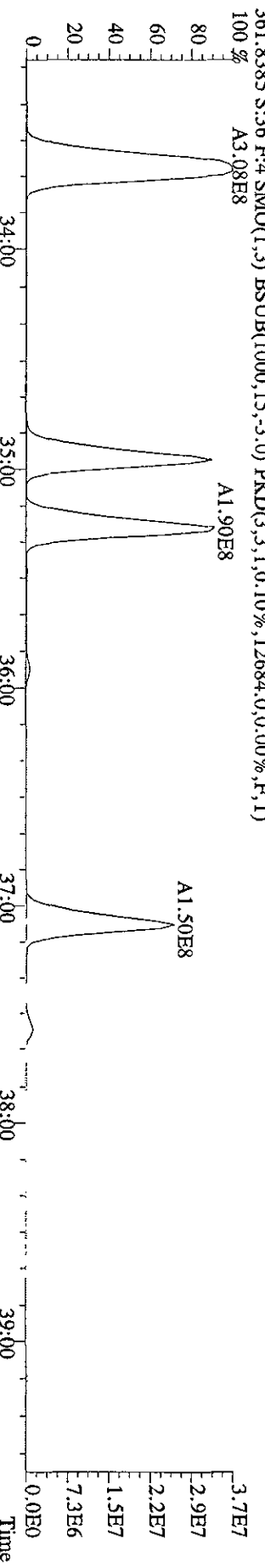
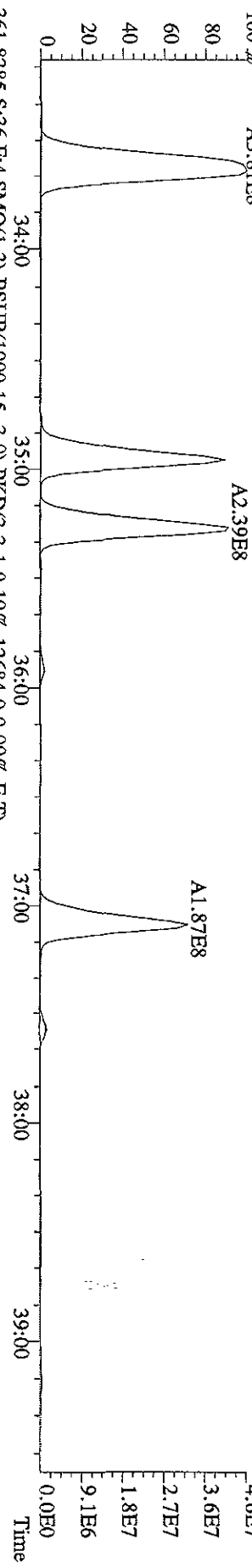
380.9760 S:3.6 F:4 SMO(1.5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100 % 33:25 34:15 34:40 35:01 35:42 36:05 36:43 37:10 37:37 38:11 38:35 38:59



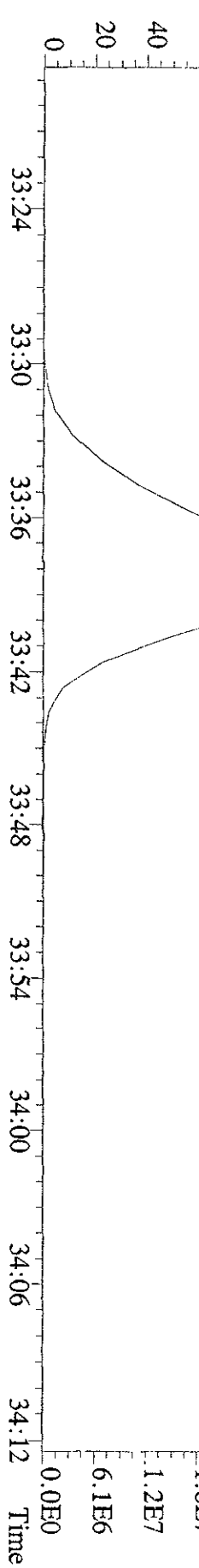
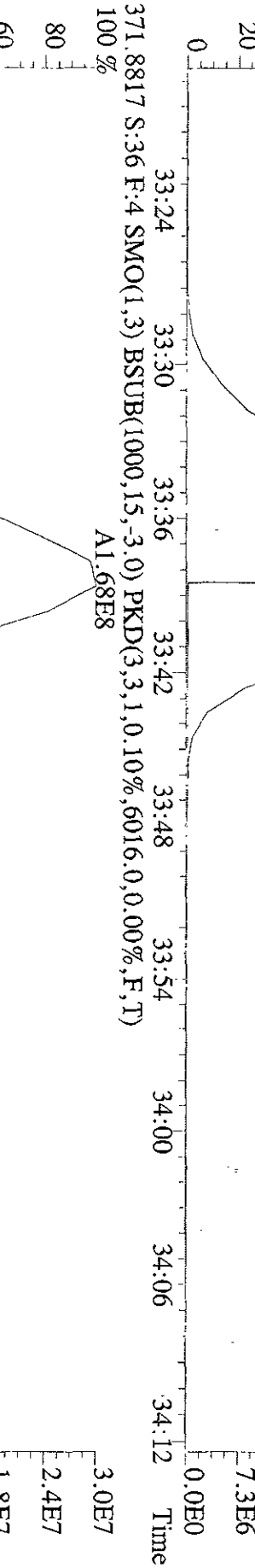
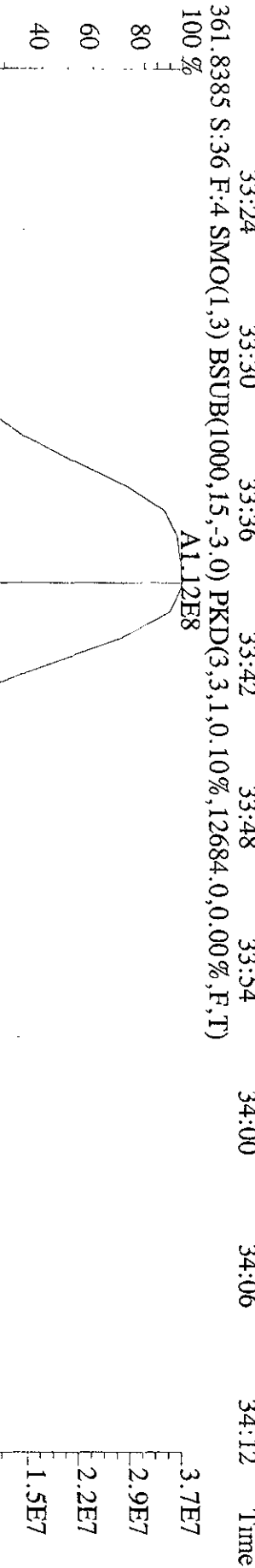
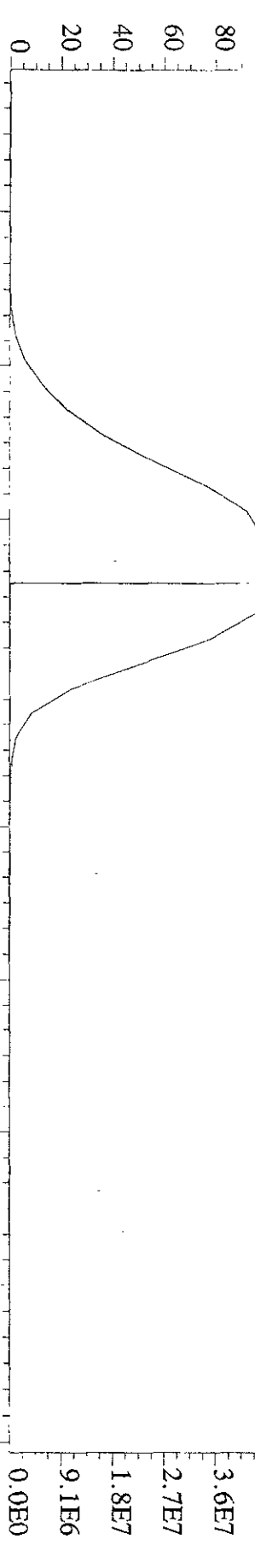
480.9696 S:3.6 F:5 SMO(1.5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100 % 40:04 40:36 40:55 41:21 42:02 42:30 42:47 43:05 43:34 43:57 44:19 44:55



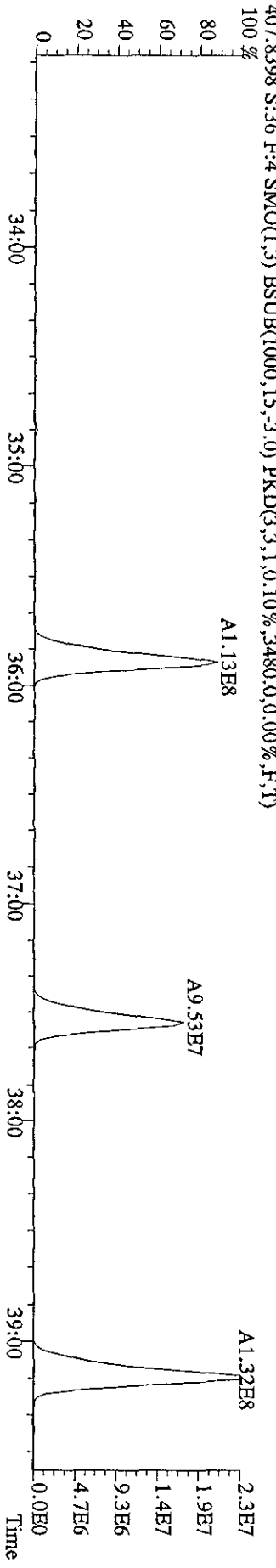
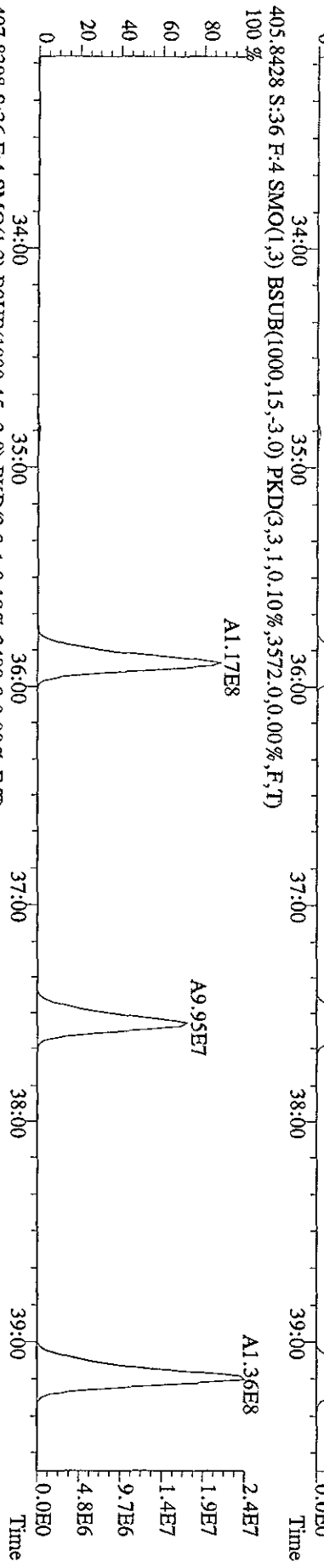
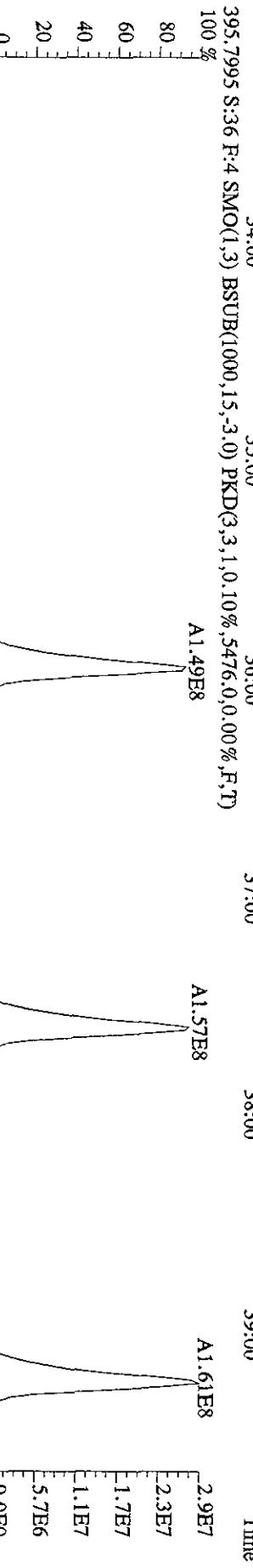
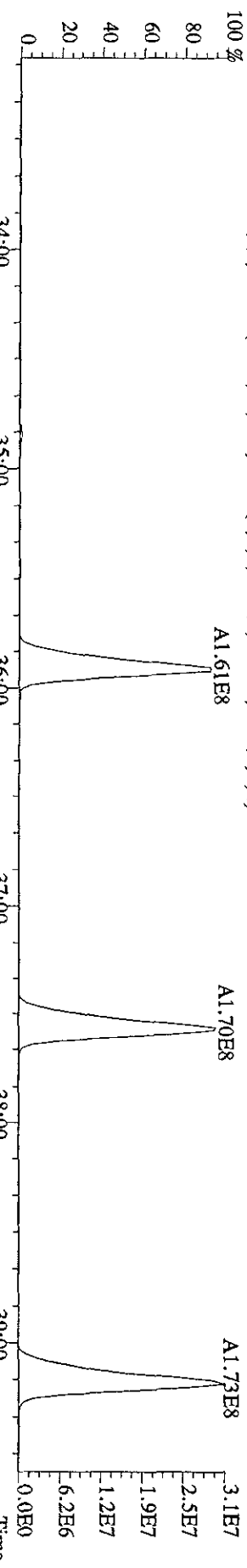
File:05MR099D5 #1-394 Acq: 6-MAR-2009 15:43:15 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#36 Text:K7VH9-1-AC :G9B280000-81C Exp:209DB5  
 359.8415 S:3.6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,13240,0,0,00%,F,T)



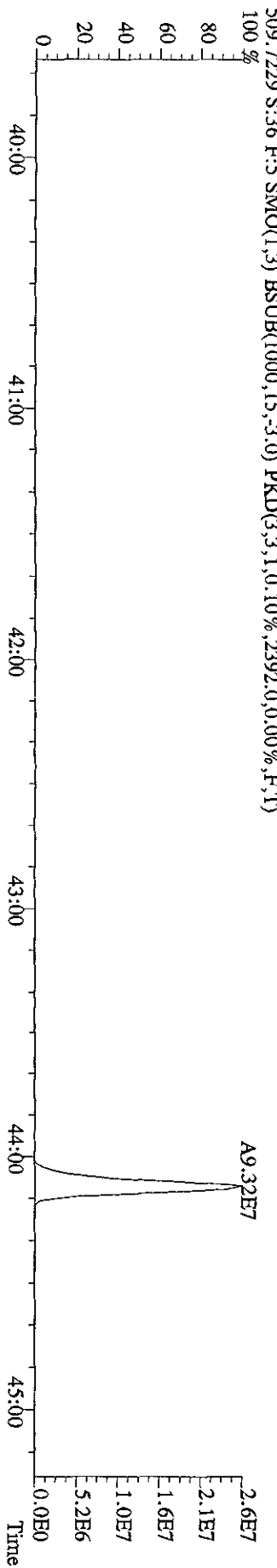
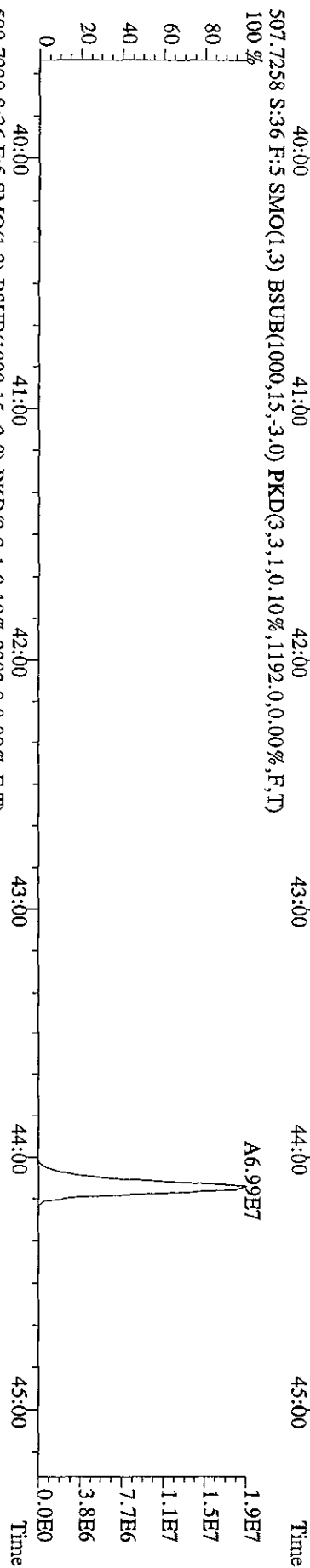
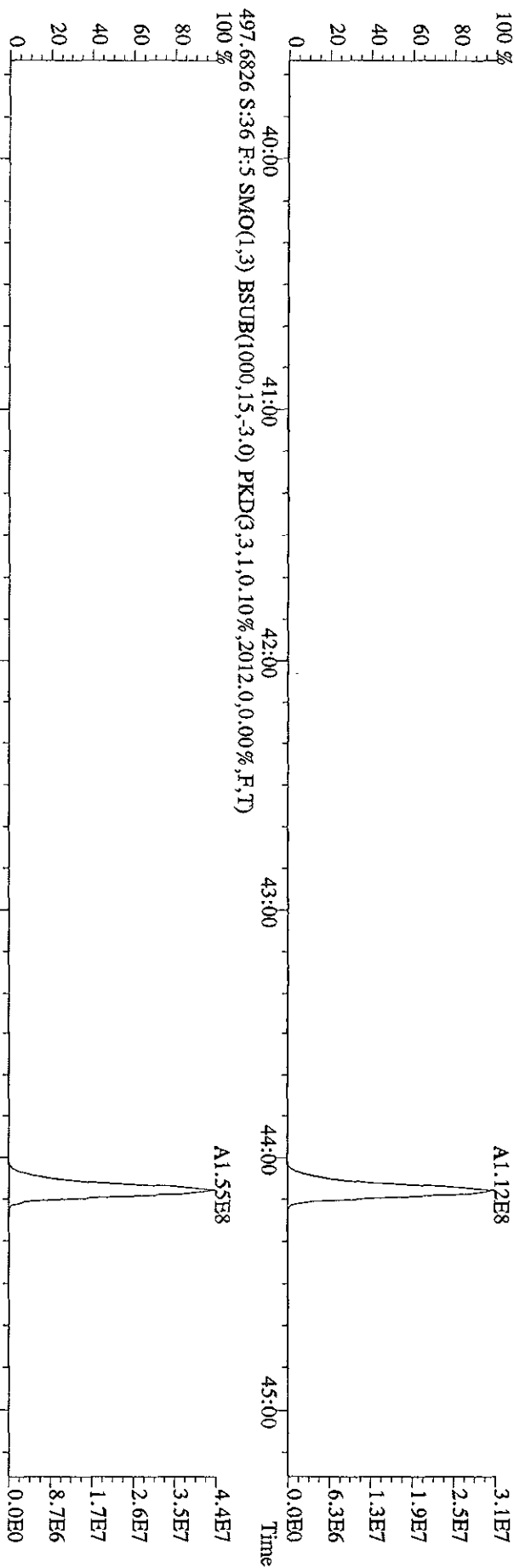
File:05MR099D5 #1-394 Acq: 6-MAR-2009 15:43:15 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#36 Text:K7WH9-1-AC :G9B28000-81 Exp:209DB5  
 359.8415 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,13240,0,0.00%,F,T)  
 100 %



File:05MR099D5 #1-394 Acq: 6-MAR-2009 15:43:15 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#36 Text:K7WH9-1-AC :G9B280000-81C Exp:209DB5  
 395.7995 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5476.0,0.00%,F,T)



File:05MR099D5 #1-376 Acq: 6-MAR-2009 15:43:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#36 Text:K7WH9-1-AC :G9B280000-81C Exp:209DB5  
 497.6826 S:36 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2012.0,0.00%,F,T)  
 100%





Run text: K7N74-1-AA Sample text: K7N74-1-AA :G9B250206-1 (10X)  
 Run #14 Filename: 16MR09A9D5 S: 10 I: 1 Results: 16mr09a9d51668msldec  
 Acquired: 17-MAR-09 03:06:29 Processed: 17-MAR-09 09:43:32  
 Run: 16MR09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 Samp

RL=1000

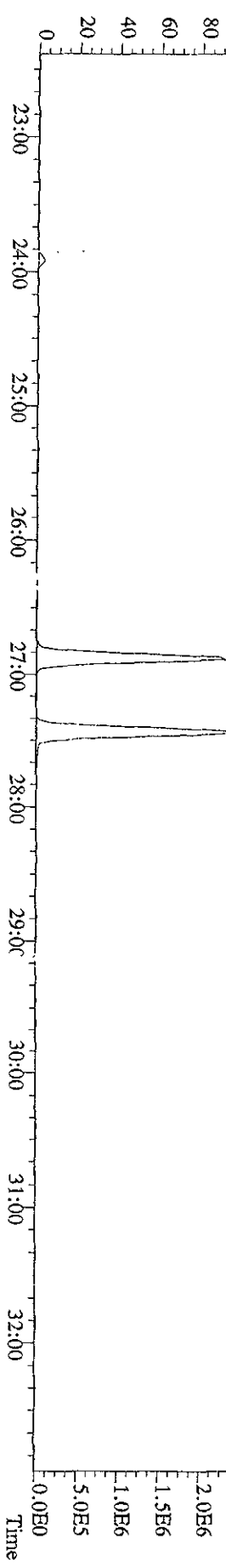
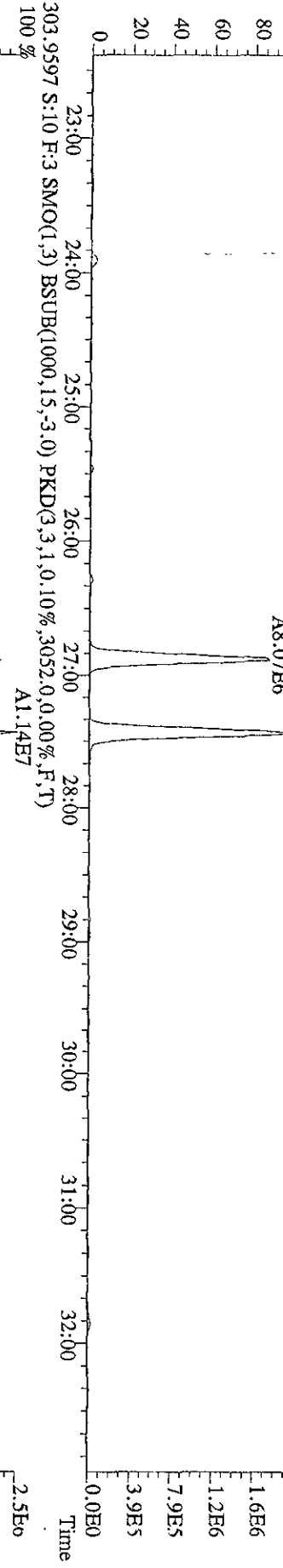
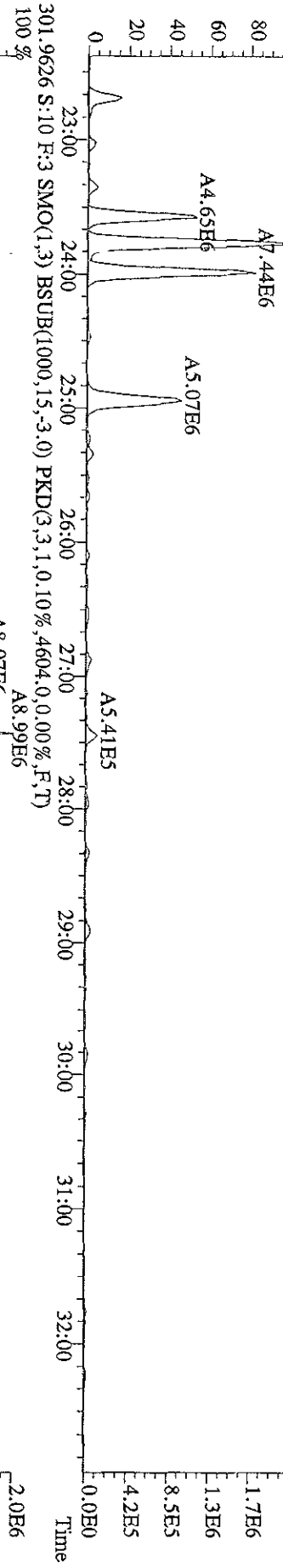
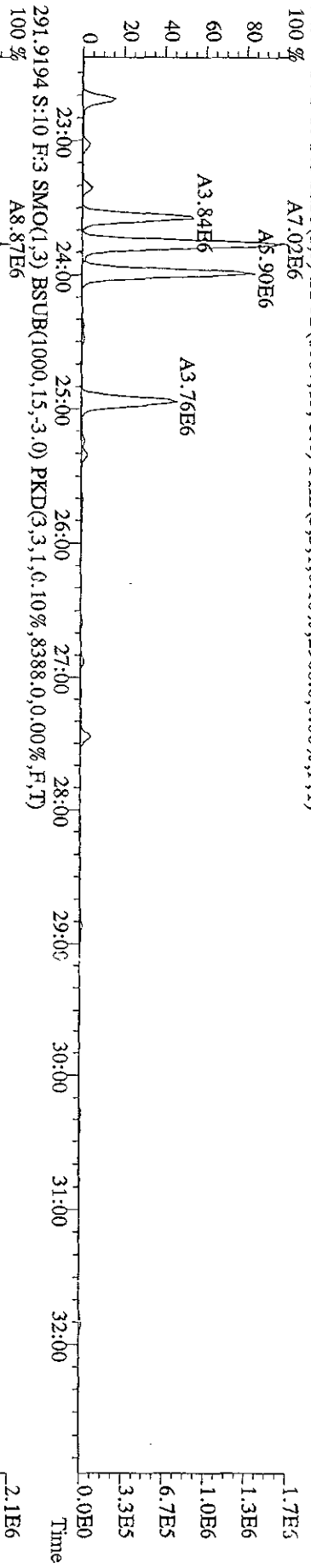
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	18082900	0.66 y	25:19	-	14.79	-	-	n
13C-TCB-81	18499360	0.77 y	26:53	0.95	4319.83	18.93	108.0	n
TCB-81	253462	0.41 n	26:53	1.28	42.87	22.24	-	n
13C-TCB-77	20408640	0.79 y	27:26	0.98	4595.33	18.25	114.9	n
TCB-77	807366	0.65 n	27:27	1.10	143.41	23.08	-	n
13C-PeCB-123	18866730	0.64 y	28:48	0.87	4788.91	7.69	119.7	n
PeCB-123	472749	0.41 n	28:53	1.51	66.42	15.05	-	y
13C-PeCB-118	18516950	0.63 y	28:57	0.98	4160.35	6.80	104.0	n
PeCB-118/106	8088320	0.60 y	28:58	1.53	1143.45	14.98	-	y
13C-PeCB-114	19534900	0.64 y	29:36	0.97	4471.72	6.93	111.8	n
PeCB-114	217481	0.35 n	29:36	1.59	28.09	14.32	-	y
13C-PeCB-105	19545490	0.64 y	30:28	0.90	4818.69	7.47	120.5	n
PeCB-105/127	2768567	0.51 n	30:30	1.42	398.38	16.30	-	n
13C-PeCB-126	21158890	0.69 y	32:21	0.91	5134.77	7.35	128.4	n
PeCB-126	*	* n	NotFnd	1.17	*	18.85	-	n
13C-OcCB-202	19385120	0.94 y	34:40	-	15.06	-	-	n
13C-HxCB-167	20633150	1.26 y	33:29	0.84	5059.04	22.63	126.5	n
HxCB-167	788460	1.44 n	33:25	1.17	130.77	7.36	-	n
13C-HxCB-156	17502370	1.31 y	34:47	0.67	5388.54	28.42	134.7	n
HxCB-156	432504	1.26 y	34:48	1.45	68.06	7.09	-	n
13C-HxCB-157	18345240	1.28 y	35:05	0.71	5355.47	26.95	133.9	n
HxCB-157	*	* n	NotFnd	1.45	*	6.73	-	n
13C-HxCB-169	20347360	1.24 y	36:55	0.73	5724.01	25.97	143.1	n
HxCB-169	*	* n	NotFnd	0.99	*	8.82	-	n
13C-HpCB-180	16597720	1.00 y	35:44	0.58	5858.22	10.23	146.5	n
HpCB-180	3913240	1.09 y	35:45	1.27	NA 745.39	7.81	-	n
13C-HpCB-170	13492630	1.04 y	37:23	0.47	5868.55	12.61	146.7	n
HpCB-170/190	1334434	1.09 y	37:24	1.61	NA 246.26	7.56	-	n
13C-HpCB-189	19581970	1.01 y	39:01	0.60	6750.94	9.99	168.8	n
HpCB-189	29782	1.49 n	39:03	1.21	5.04	7.13	-	n
13C-DeCB-209	11337680	0.77 y	44:01	0.46	5084.00	3.53	127.1	n
DECB-209	118820	0.79 y	44:02	1.50	27.86	1.59	-	n
13C-PeCB-111	22892710	0.67 y	26:46	1.36	3530.82	5.56	88.3	n

AK 3/25/09

Run text: K7N74-1-AA Sample text: K7N74-1-AA :G9B250206-1 (10X)  
 Run #14 Filename: 16MR09A9D5 S: 10 I: 1 Results: 16mr09a9d51668msldec  
 Acquired: 17-MAR-09 03:06:29 Processed: 17-MAR-09 09:43:32  
 Run: 16MR09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 Samp

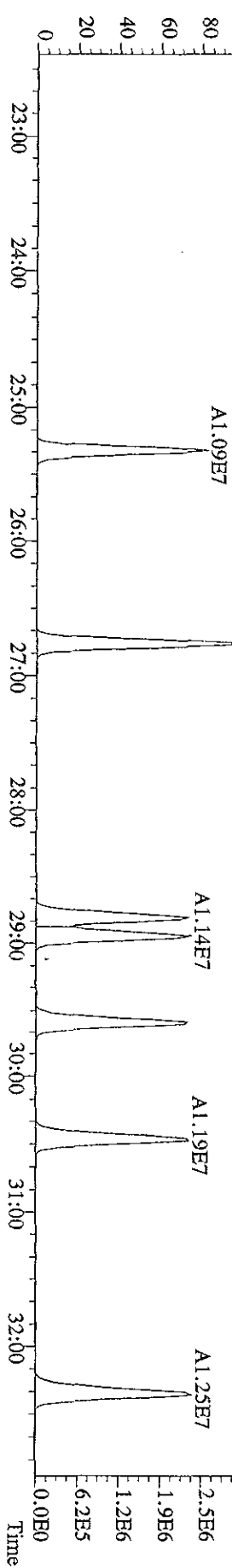
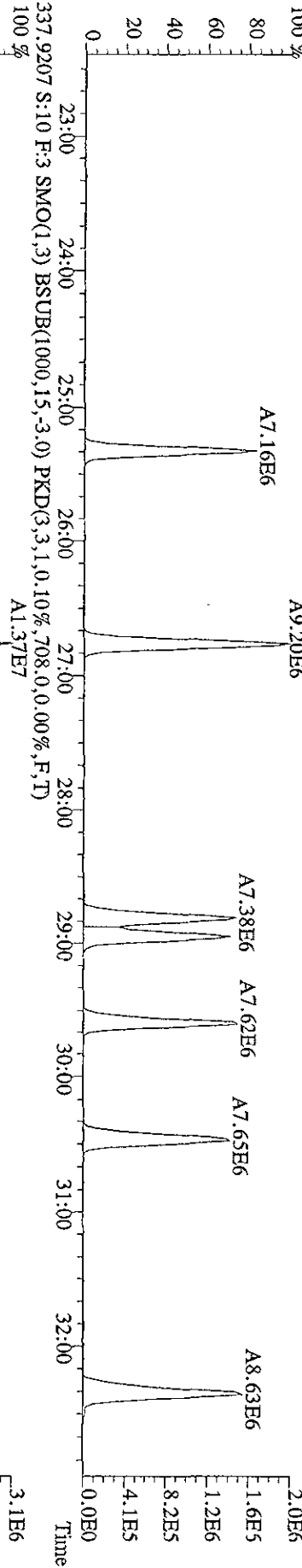
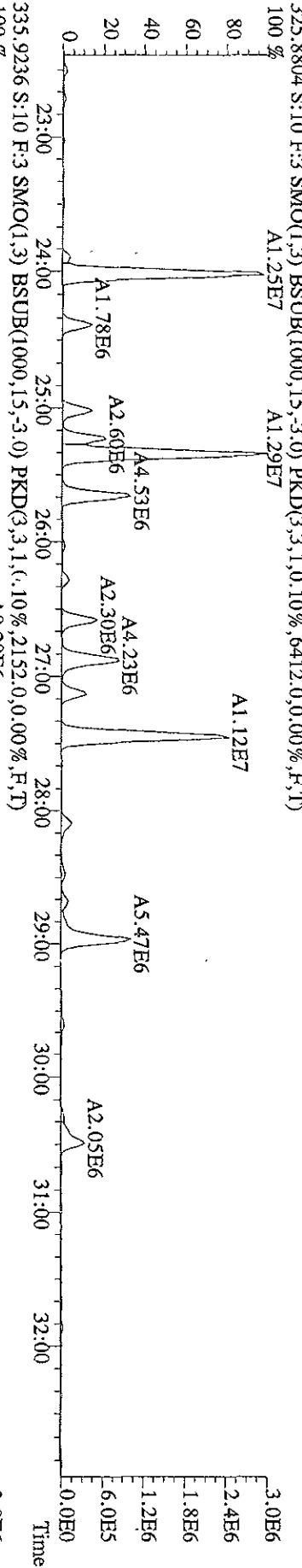
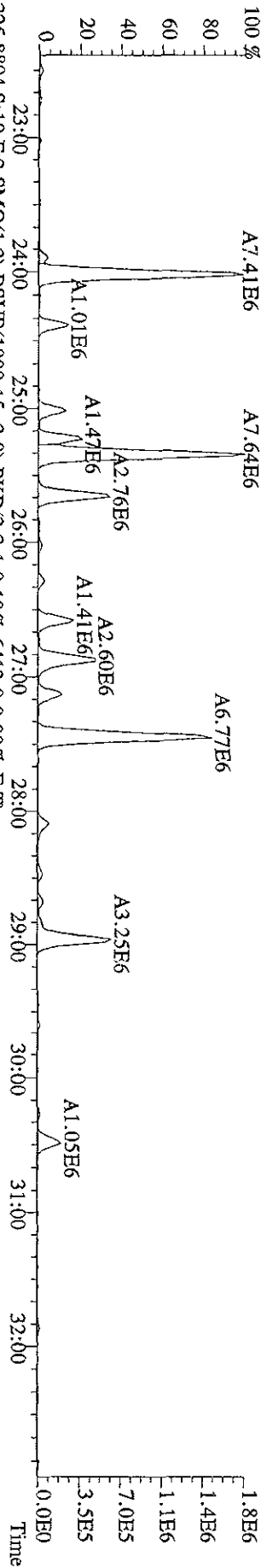
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	18082900	0.66 y	25:19	-	14.79	-	-	n
13C-TCB-81	18499360	0.77 y	26:53	0.95	4319.83	18.93	108.0	n
TCB-81	253462	0.41 n	26:53	1.28	42.87	22.24	-	n
13C-TCB-77	20408640	0.79 y	27:26	0.98	4595.33	18.25	114.9	n
TCB-77	807366	0.65 n	27:27	1.10	143.41	23.08	-	n
13C-PeCB-123	18866730	0.64 y	28:48	0.87	4788.91	7.69	119.7	n
PeCB-123	*	* n	NotFnd	1.51	*	15.05	-	n
13C-PeCB-118	18516950	0.63 y	28:57	0.98	4160.35	6.80	104.0	n
PeCB-118/106	8715920	0.59 y	28:58	1.53	1232.17	14.98	-	n
13C-PeCB-114	19534900	0.64 y	29:36	0.97	4471.72	6.93	111.8	n
PeCB-114	217474	0.35 n	29:36	1.59	28.09	14.32	-	n
13C-PeCB-105	19545490	0.64 y	30:28	0.90	4818.69	7.47	120.5	n
PeCB-105/127	2768567	0.51 n	30:30	1.42	398.38	16.30	-	n
13C-PeCB-126	21158890	0.69 y	32:21	0.91	5134.77	7.35	128.4	n
PeCB-126	*	* n	NotFnd	1.17	*	18.85	-	n
13C-OcCB-202	19385120	0.94 y	34:40	-	15.06	-	-	n
13C-HxCB-167	20633150	1.26 y	33:29	0.84	5059.04	22.63	126.5	n
HxCB-167	788460	1.44 n	33:25	1.17	130.77	7.36	-	n
13C-HxCB-156	17502370	1.31 y	34:47	0.67	5388.54	28.42	134.7	n
HxCB-156	432504	1.26 y	34:48	1.45	68.06	7.09	-	n
13C-HxCB-157	18345240	1.28 y	35:05	0.71	5355.47	26.95	133.9	n
HxCB-157	*	* n	NotFnd	1.45	*	6.73	-	n
13C-HxCB-169	20347360	1.24 y	36:55	0.73	5724.01	25.97	143.1	n
HxCB-169	*	* n	NotFnd	0.99	*	8.82	-	n
13C-HpCB-180	16597720	1.00 y	35:44	0.58	5858.22	10.23	146.5	n
HpCB-180	3913240	1.09 y	35:45	1.27	745.39	7.81	-	n
13C-HpCB-170	13492630	1.04 y	37:23	0.47	5868.55	12.61	146.7	n
HpCB-170/190	1334434	1.09 y	37:24	1.61	246.26	7.56	-	n
13C-HpCB-189	19581970	1.01 y	39:01	0.60	6750.94	9.99	168.8	n
HpCB-189	29782	1.49 n	39:03	1.21	5.04	7.13	-	n
13C-DeCB-209	11337680	0.77 y	44:01	0.46	5084.00	3.53	127.1	n
DECB-209	118820	0.79 y	44:02	1.50	27.86	1.59	-	n
13C-PeCB-111	22892710	0.67 y	26:46	1.36	3530.82	5.56	88.3	n

File:16MR09A9D5 #1-595 Acq:17-MAR-2009 03:06:29 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#10 Tex:K7N74-1-AA :G9B250206-1 (10X) Exp:209DB5  
 289.9224 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2968.0,0.00%,F,T)

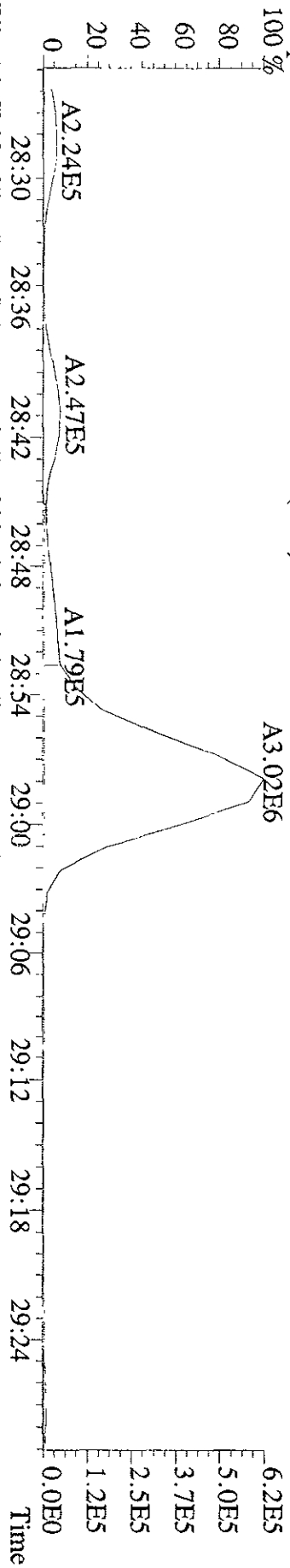


Sample#10 Text: K7N74-1-AA : G9B250206-1 (10X) 323.8834 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2256,0,0,00%,F,T)

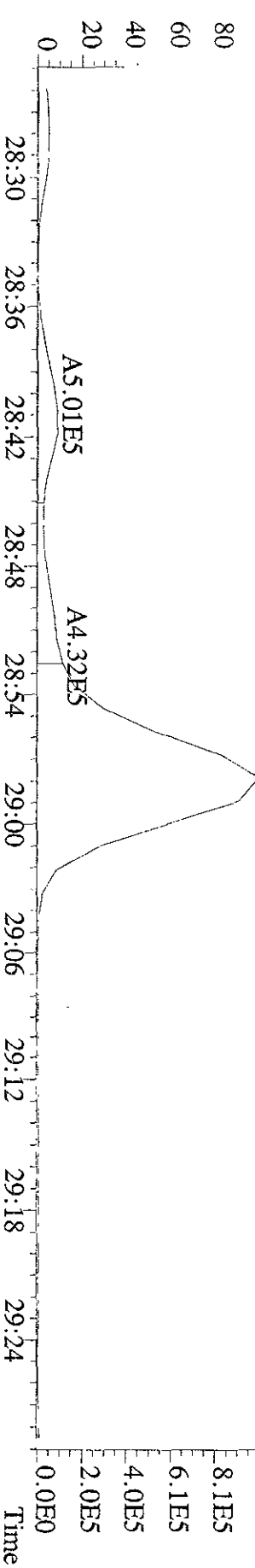
100% A7.41E6 A7.64E6



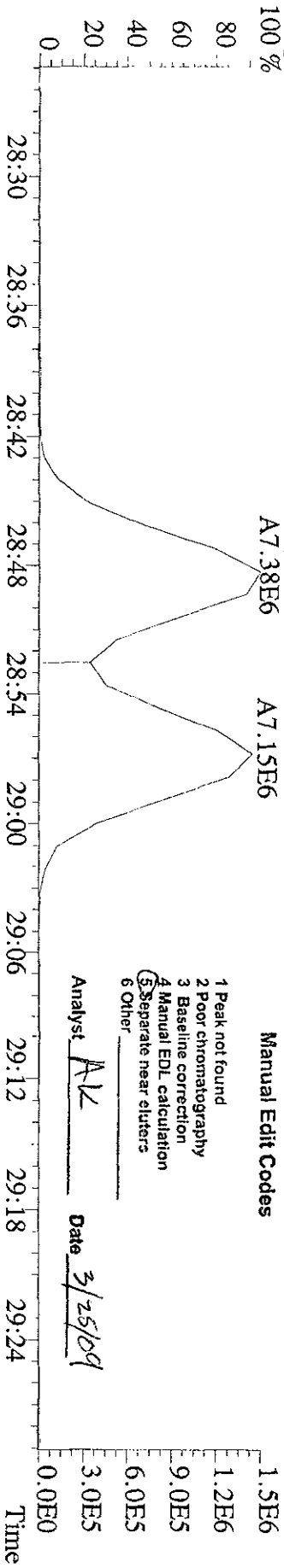
File:16MRR09A9D5 #1-595 Acq:17-MAR-2009 03:06:29 GC EI+ Voltage SIR Autospec-UltimaE  
 323.8834 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2256.0,0.00%,F,T) Exp:209DB5 Noi>  
 Sample Text:K7N74-1-AA :G9B250206-1 (10X)



File:16MRR09A9D5 #1-595 Acq:17-MAR-2009 03:06:29 GC EI+ Voltage SIR Autospec-UltimaE  
 325.8804 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6412.0,0.00%,F,T) Exp:209DB5 Noi>  
 Sample Text:K7N74-1-AA :G9B250206-1 (10X)



File:16MRR09A9D5 #1-595 Acq:17-MAR-2009 03:06:29 GC EI+ Voltage SIR Autospec-UltimaE  
 335.9236 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2152.0,0.00%,F,T) Exp:209DB5 Noi>  
 Sample Text:K7N74-1-AA :G9B250206-1 (10X)

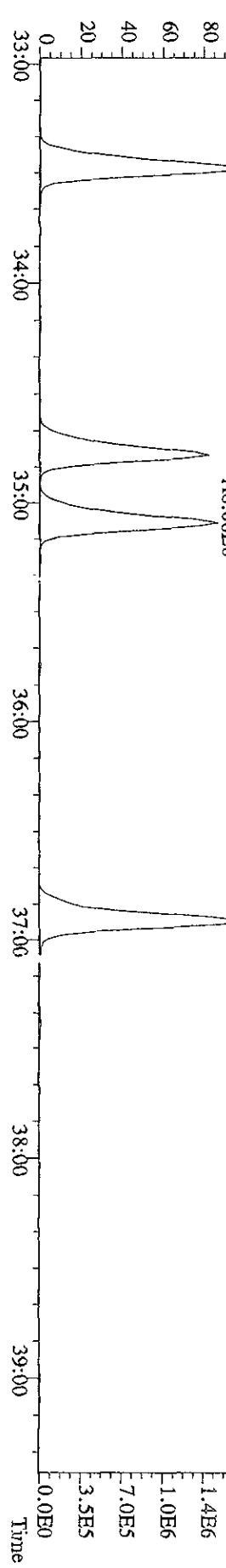
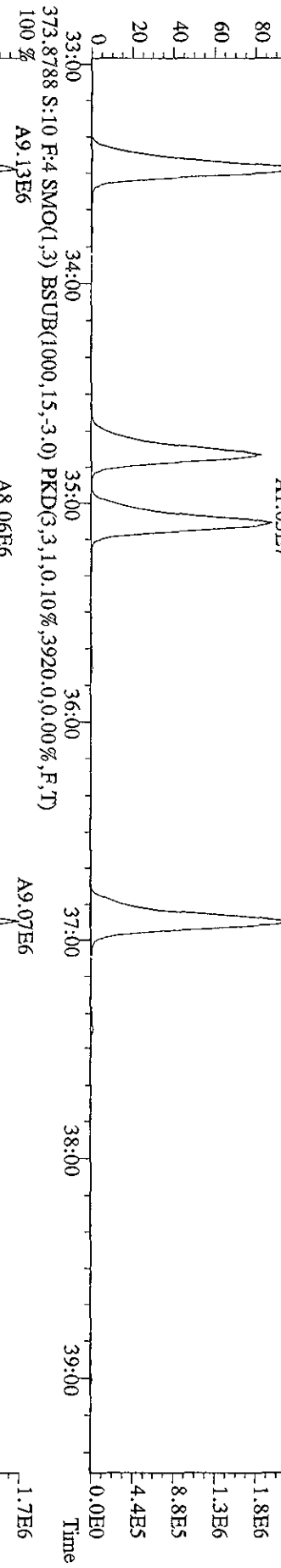
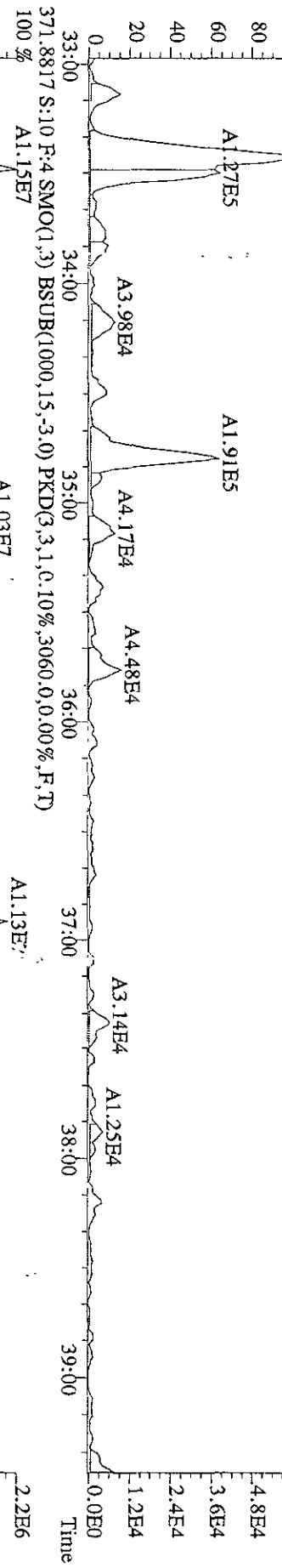
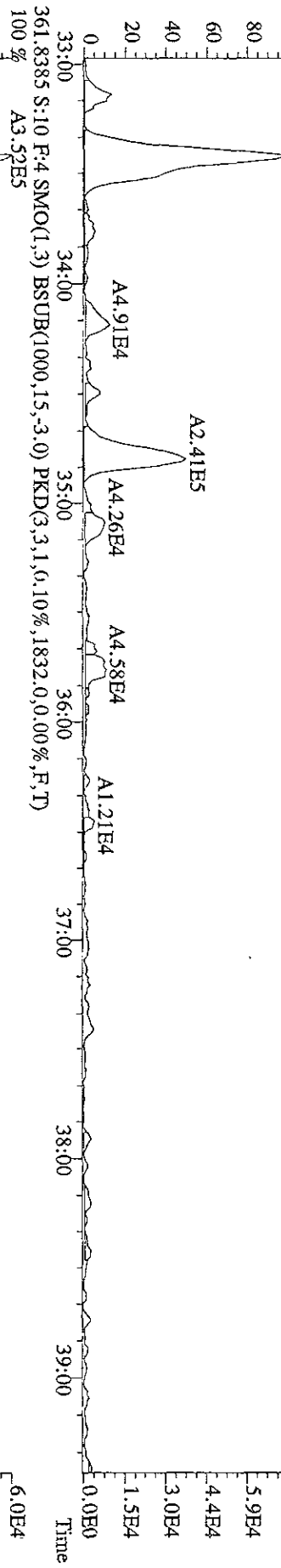


- Manual Edit Codes
- 1 Peak not found
  - 2 Poor chromatography
  - 3 Baseline correction
  - 4 Manual EDL calculation
  - 5 Separate near eluters
  - 6 Other

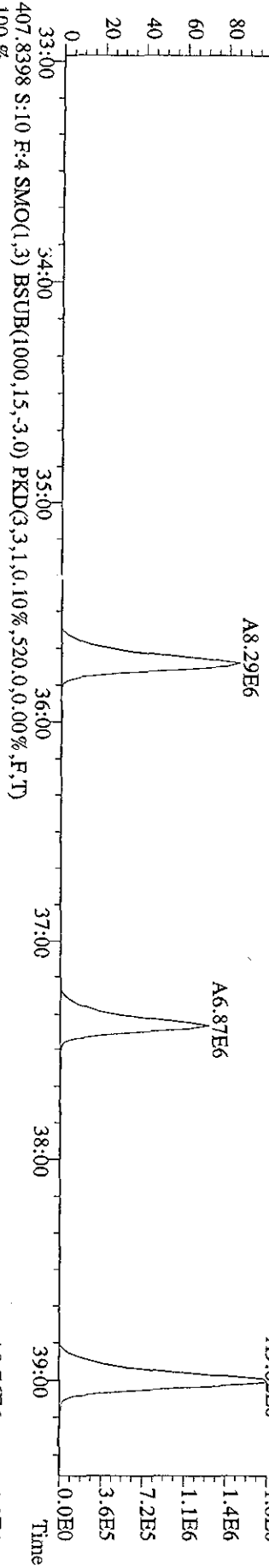
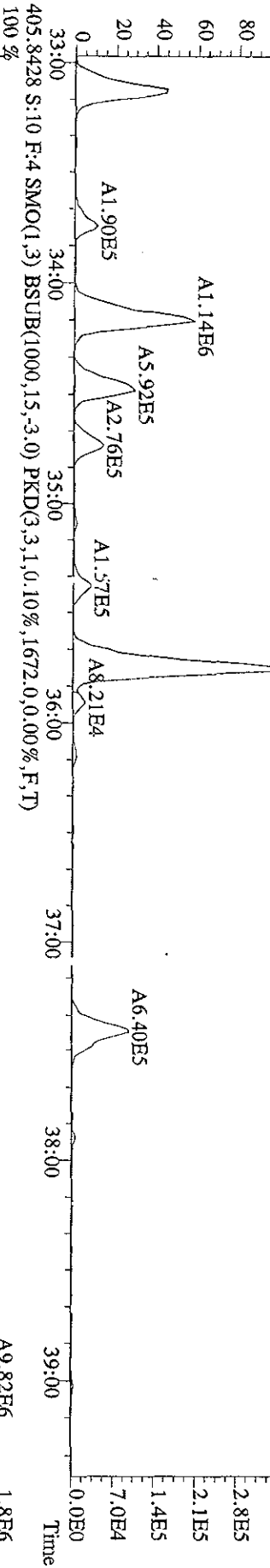
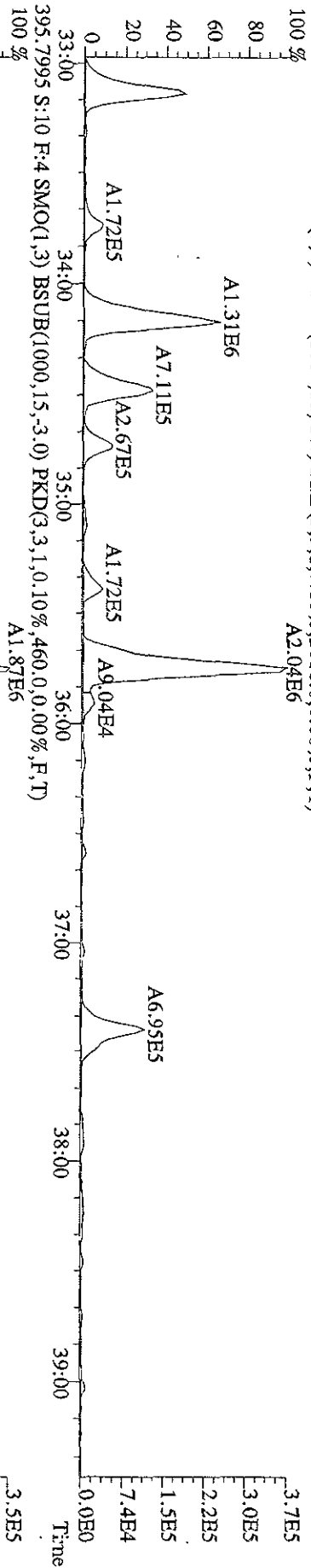
Analyst AL Date 3/25/09



File:16MR09A9D5 #1-394 Acq:17-MAR-2009 03:06:29 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#10 Text:K7N74-1-AA :G9B250206-1 (10X) Exp:209JDB5  
 359.8415 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1532.0,0.00%,F,T)  
 100 % A5.07E5

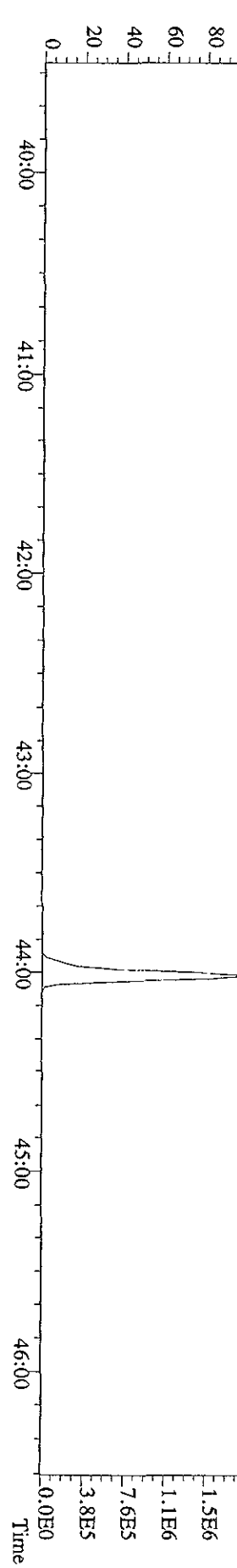
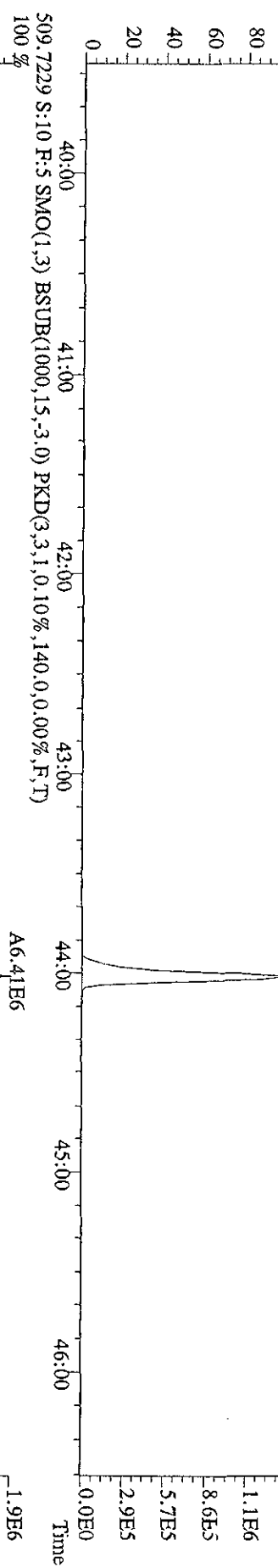
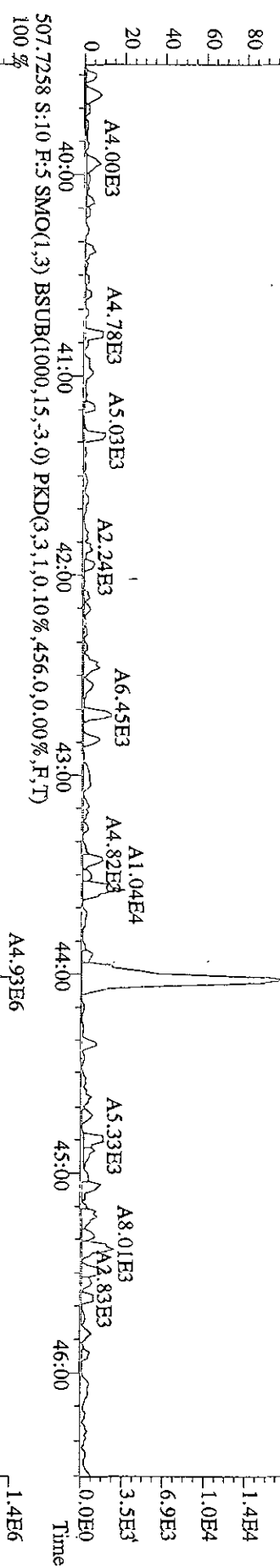
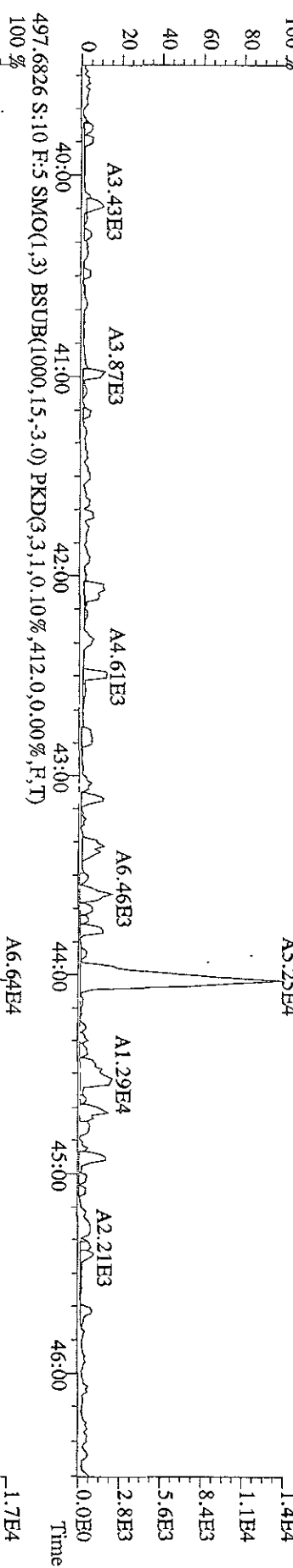


File: 16MR09A9D5 #1-394 Acq: 17-MAR-2009 03:06:29 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#10 Text: K7N74-1-AA : G9B250206-1 (10X) Exp: 209DB5  
 393.8025 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2616,0,0.00%,F,T)  
 100%





File:16MR09A9D5 #1-469 Acq:17-MAR-2009 03:06:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#10 Text:K7N74-1-AA :G9B250206-1 (10X) Exp:209DB5  
 495.6856 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,380.0,0.00%,F,T)



Run text: K7N8A-1-AA Sample text: K7N8A-1-AA :G9B250206-2 (10X)  
 Run #15 Filename: 16MR09A9D5 S: 11 I: 1 Results: 16mr09a9d51668msldec  
 Acquired: 17-MAR-09 03:57:50 Processed: 17-MAR-09 09:43:43  
 Run: 16MR09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 Samp

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	17980600	0.63 y	25:21	-	14.71	-	-	n
13C-TCB-81	16855180	0.78 y	26:53	0.95	3958.28	19.45	99.0	n
TCB-81	908566	0.56 n	26:53	1.28	168.68	27.69	-	n
13C-TCB-77	18282010	0.80 y	27:26	0.98	4139.91	18.75	103.5	n
TCB-77	3078100	0.82 y	27:27	1.10	610.33	31.04	-	n
13C-PeCB-123	16589750	0.64 y	28:49	0.87	4234.91	6.54	105.9	n
PeCB-123	1516564	0.56 y	28:53	1.51	242.32	15.67	-	Y
13C-PeCB-118	18019390	0.66 y	28:57	0.98	4071.59	5.79	101.8	n
PeCB-118/106	25105490	0.59 y	28:58	1.53	3647.18	14.33	-	Y
13C-PeCB-114	18445020	0.67 y	29:36	0.97	4246.25	5.89	106.2	n
PeCB-114	716516	0.50 n	29:37	1.59	98.01	13.37	-	n
13C-PeCB-105	17751930	0.66 y	30:29	0.90	4401.41	6.35	110.0	n
PeCB-105/127	9551820	0.56 y	30:30	1.42	1513.30	15.61	-	n
13C-PeCB-126	19700740	0.63 y	32:22	0.91	4808.11	6.25	120.2	n
PeCB-126	*	* n	NotFnd	1.17	*	17.98	-	n
13C-OcCB-202	19155530	0.96 y	34:40	-	14.89	-	-	n
13C-HxCB-167	19743350	1.24 y	33:29	0.84	4898.89	10.10	122.5	n
HxCB-167	2172109	1.18 y	33:25	1.17	376.49	8.38	-	n
13C-HxCB-156	17003960	1.30 y	34:47	0.67	5297.83	12.68	132.4	n
HxCB-156	1013285	1.30 y	34:48	1.45	164.13	8.08	-	n
13C-HxCB-157	17255990	1.21 y	35:06	0.71	5097.87	12.02	127.4	n
HxCB-157	156858	0.89 n	35:08	1.45	25.14	7.93	-	n
13C-HxCB-169	19518750	1.26 y	36:55	0.73	5556.72	11.59	138.9	n
HxCB-169	*	* n	NotFnd	0.99	*	10.21	-	n
13C-HpCB-180	15394630	0.98 y	35:44	0.58	5498.71	8.38	137.5	n
HpCB-180	8914280	1.06 y	35:45	1.27	1830.69	10.11	-	n
13C-HpCB-170	13118110	1.03 y	37:23	0.47	5774.04	10.33	144.4	n
HpCB-170/190	3059700	0.99 y	37:25	1.61	580.77	9.12	-	n
13C-HpCB-189	18775520	1.01 y	39:01	0.60	6550.49	8.19	163.8	n
HpCB-189	71614	0.73 n	39:01	1.21	12.65	8.90	-	n
13C-DeCB-209	9875730	0.73 y	44:01	0.46	4481.51	2.04	112.0	n
DECB-209	121327	0.67 y	44:02	1.50	32.66	1.50	-	n
13C-PeCB-111	19071050	0.65 y	26:47	1.36	3176.43	4.95	79.4	n

3/25/09

Run text: K7N8A-1-AA Sample text: K7N8A-1-AA :G9B250206-2 (10X)  
 Run #15 Filename: 16MR09A9D5 S: 11 I: 1 Results: 16mr09a9d51668msldec  
 Acquired: 17-MAR-09 03:57:50 Processed: 17-MAR-09 09:43:43  
 Run: 16MR09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 Samp

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	17980600	0.63 y	25:21	-	14.71	-	-	n
13C-TCB-81	16855180	0.78 y	26:53	0.95	3958.28	19.45	99.0	n
TCB-81	908566	0.56 n	26:53	1.28	168.68	27.69	-	n
13C-TCB-77	18282010	0.80 y	27:26	0.98	4139.91	18.75	103.5	n
TCB-77	3078100	0.82 y	27:27	1.10	610.33	31.04	-	n
13C-PeCB-123	16589750	0.64 y	28:49	0.87	4234.91	6.54	105.9	n
PeCB-123	*	* n	NotFnd	1.51	*	15.67	-	n
13C-PeCB-118	18019390	0.66 y	28:57	0.98	4071.59	5.79	101.8	n
PeCB-118/106	26849140	0.58 y	28:58	1.53	3900.49	14.33	-	n
13C-PeCB-114	18445020	0.67 y	29:36	0.97	4246.25	5.89	106.2	n
PeCB-114	716516	0.50 n	29:37	1.59	98.01	13.37	-	n
13C-PeCB-105	17751930	0.66 y	30:29	0.90	4401.41	6.35	110.0	n
PeCB-105/127	9551820	0.56 y	30:30	1.42	1513.30	15.61	-	n
13C-PeCB-126	19700740	0.63 y	32:22	0.91	4808.11	6.25	120.2	n
PeCB-126	*	* n	NotFnd	1.17	*	17.98	-	n
13C-OcCB-202	19155530	0.96 y	34:40	-	14.89	-	-	n
13C-HxCB-167	19743350	1.24 y	33:29	0.84	4898.89	10.10	122.5	n
HxCB-167	2172109	1.18 y	33:25	1.17	376.49	8.38	-	n
13C-HxCB-156	17003960	1.30 y	34:47	0.67	5297.83	12.68	132.4	n
HxCB-156	1013285	1.30 y	34:48	1.45	164.13	8.08	-	n
13C-HxCB-157	17255990	1.21 y	35:06	0.71	5097.87	12.02	127.4	n
HxCB-157	156858	0.89 n	35:08	1.45	25.14	7.93	-	n
13C-HxCB-169	19518750	1.26 y	36:55	0.73	5556.72	11.59	138.9	n
HxCB-169	*	* n	NotFnd	0.99	*	10.21	-	n
13C-HpCB-180	15394630	0.98 y	35:44	0.58	5498.71	8.38	137.5	n
HpCB-180	8914280	1.06 y	35:45	1.27	1830.69	10.11	-	n
13C-HpCB-170	13118110	1.03 y	37:23	0.47	5774.04	10.33	144.4	n
HpCB-170/190	3059700	0.99 y	37:25	1.61	580.77	9.12	-	n
13C-HpCB-189	18775520	1.01 y	39:01	0.60	6550.49	8.19	163.8	n
HpCB-189	71614	0.73 n	39:01	1.21	12.65	8.90	-	n
13C-DeCB-209	9875730	0.73 y	44:01	0.46	4481.51	2.04	112.0	n
DECB-209	121327	0.67 y	44:02	1.50	32.66	1.50	-	n
13C-PeCB-111	19071050	0.65 y	26:47	1.36	3176.43	4.95	79.4	n

Run text: K7N8A-1-AA Sample text: K7N8A-1-AA :G9B250206-2 (10X)  
 Run #15 Filename: 16MR09A9D5 S: 11 I: 1 Results: 16MR09A9D51668MSLDEC  
 Acquired: 17-MAR-09 03:57:50 Processed: 17-MAR-09 09:43:43  
 Run: 16MR09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Samp

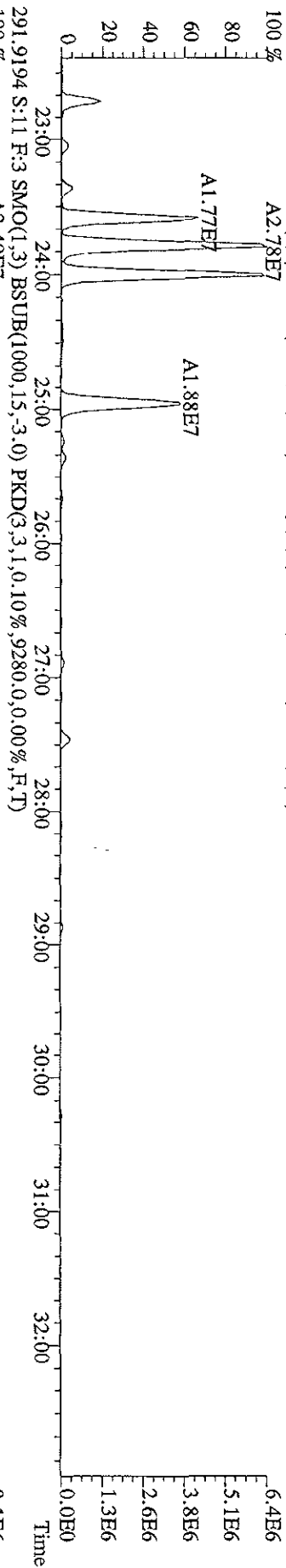
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	*	* n	NotFnd	-	*	-	-	n
13C-TCB-81	16855175	0.78 y	26:53	0.95	*	*	*	n
TCB-81	908565	0.56 n	26:53	1.28	168.68	27.69	-	n
13C-TCB-77	18281989	0.80 y	27:26	0.98	*	*	*	n
TCB-77	3078104	0.82 y	27:27	1.10	610.34	31.04	-	n
13C-PeCB-123	*	* n	NotFnd	0.87	*	*	*	n
PeCB-123	2320735	0.58 y	28:42	1.51	*	*	-	n
13C-PeCB-118	16589725	0.64 y	28:49	0.98	*	*	*	n
PeCB-118/106	*	* n	NotFnd	1.53	*	15.48	-	n
13C-PeCB-114	18445046	0.67 y	29:36	0.97	*	*	*	n
PeCB-114	716516	0.50 n	29:37	1.59	98.01	13.37	-	n
13C-PeCB-105	17751954	0.66 y	30:29	0.90	*	*	*	n
PeCB-105/127	9551822	0.56 y	30:30	1.42	1513.30	15.61	-	n
13C-PeCB-126	19700731	0.63 y	32:22	0.91	*	*	*	n
PeCB-126	*	* n	NotFnd	1.17	*	17.98	-	n
13C-OcCB-202	19155533	0.96 y	34:40	-	14.89	-	-	n
13C-HxCB-167	19743390	1.24 y	33:29	0.84	4898.90	10.10	122.5	n
HxCB-167	2172113	1.18 y	33:25	1.17	376.49	8.38	-	n
13C-HxCB-156	17003958	1.30 y	34:47	0.67	5297.83	12.68	132.4	n
HxCB-156	1013285	1.30 y	34:48	1.45	164.13	8.08	-	n
13C-HxCB-157	17255990	1.21 y	35:06	0.71	5097.86	12.02	127.4	n
HxCB-157	156858	0.89 n	35:08	1.45	25.14	7.93	-	n
13C-HxCB-169	19518712	1.26 y	36:55	0.73	5556.71	11.59	138.9	n
HxCB-169	*	* n	NotFnd	0.99	*	10.21	-	n
13C-HpCB-180	15394626	0.98 y	35:44	0.58	5498.71	8.38	137.5	n
HpCB-180	8914277	1.06 y	35:45	1.27	1830.69	10.11	-	n
13C-HpCB-170	13118106	1.03 y	37:23	0.47	5774.04	10.33	144.4	n
HpCB-170/190	3059701	0.99 y	37:25	1.61	580.77	9.12	-	n
13C-HpCB-189	18775524	1.01 y	39:01	0.60	6550.49	8.19	163.8	n
HpCB-189	71614	0.73 n	39:01	1.21	12.65	8.90	-	n
13C-DeCB-209	9875724	0.73 y	44:01	0.46	4481.51	2.04	112.0	n
DeCB-209	121327	0.67 y	44:02	1.50	32.66	1.50	-	n
13C-PeCB-111	19071045	0.65 y	26:47	1.36	3195.56	4.97	79.9	n

File: I6MR09A9D5 #1-595 Acq: 17-MAR-2009 03:57:50 GC EI + Voltage SIR Autospec-Ultimate

Sample#11 Text: K7N8A-1-AA : G9B250206-2 (10X) Exp: 209DB5

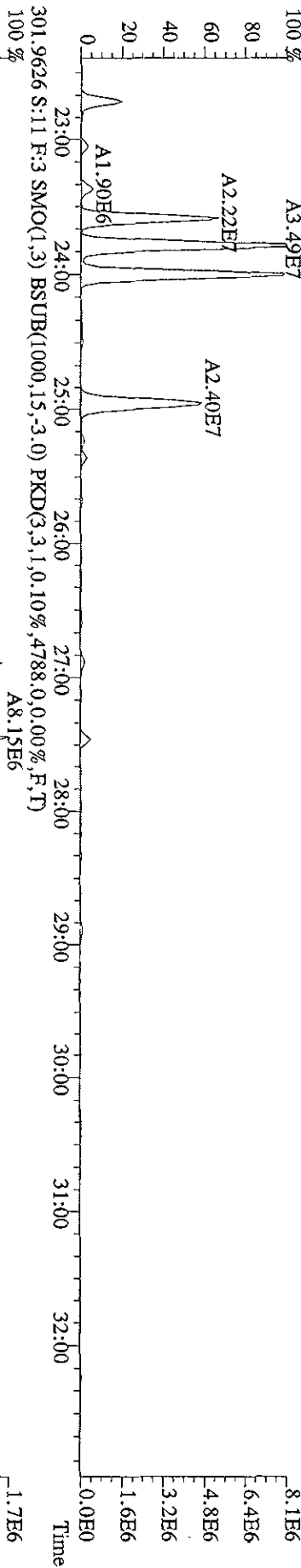
289.9224 S:11 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3988,0,0,00%,F,T)

100 % A2.78E7



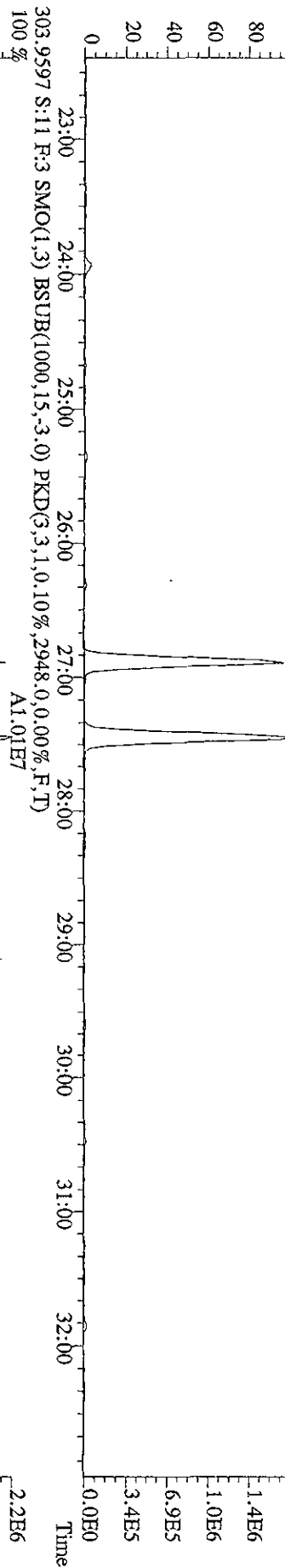
291.9194 S:11 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,9280,0,0,00%,F,T)

100 % A3.49E7



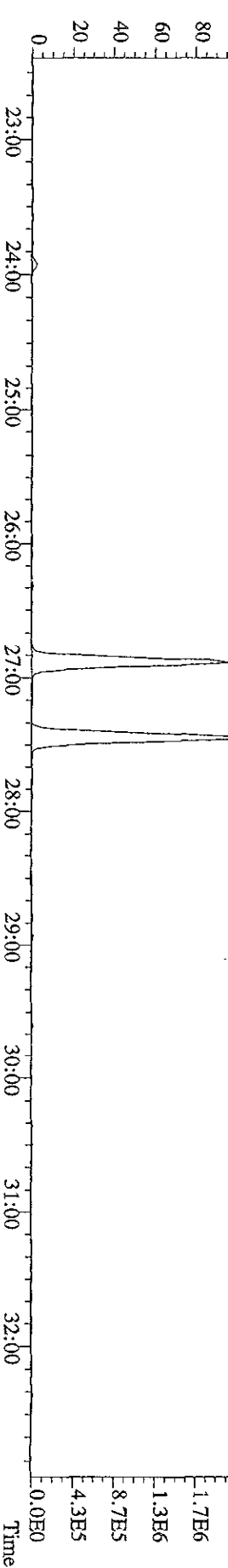
301.9626 S:11 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4788,0,0,00%,F,T)

100 % A8.15E6



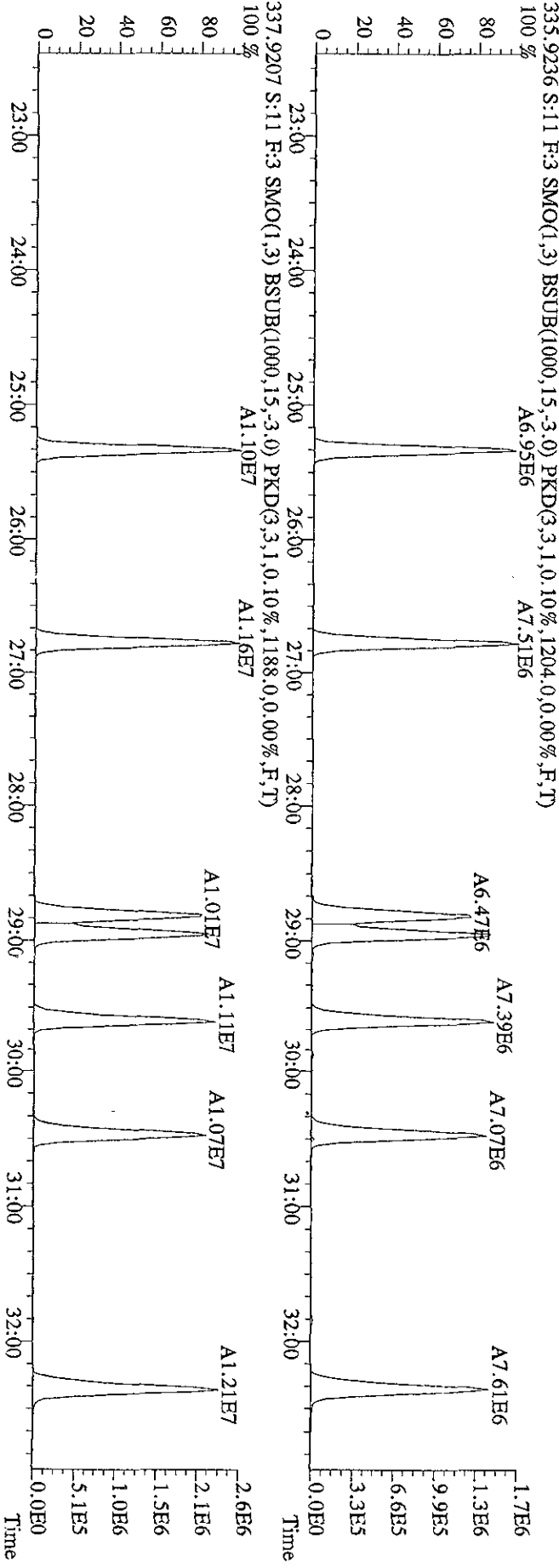
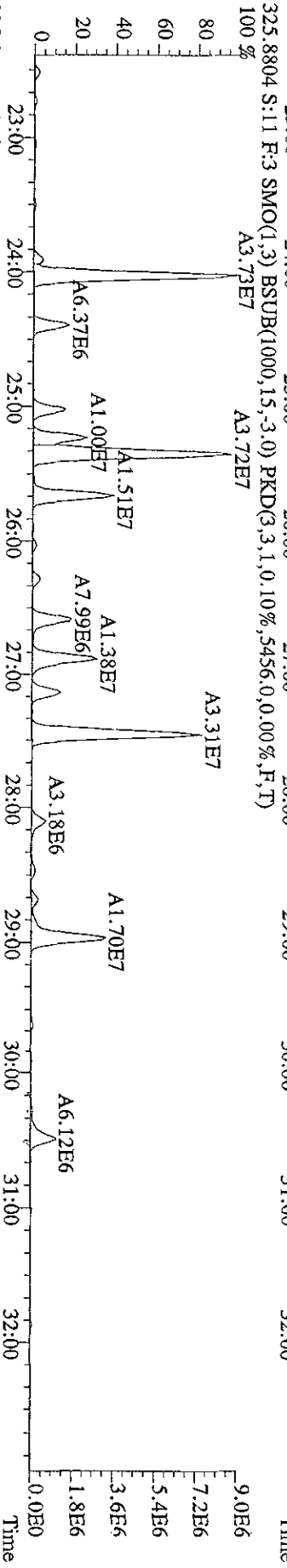
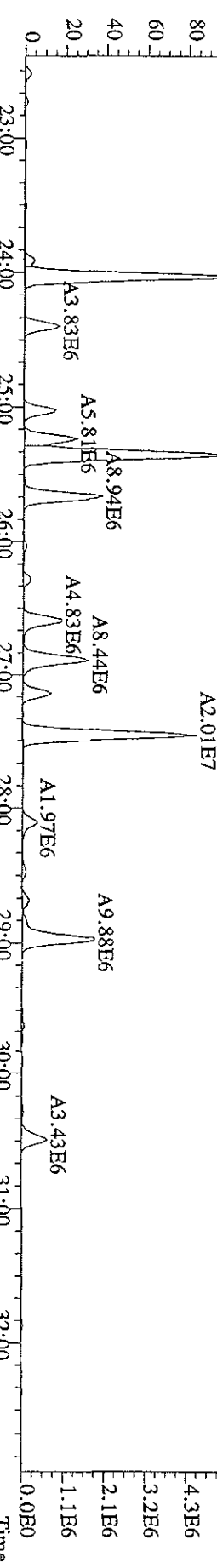
303.9597 S:11 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2948,0,0,00%,F,T)

100 % A1.01E7

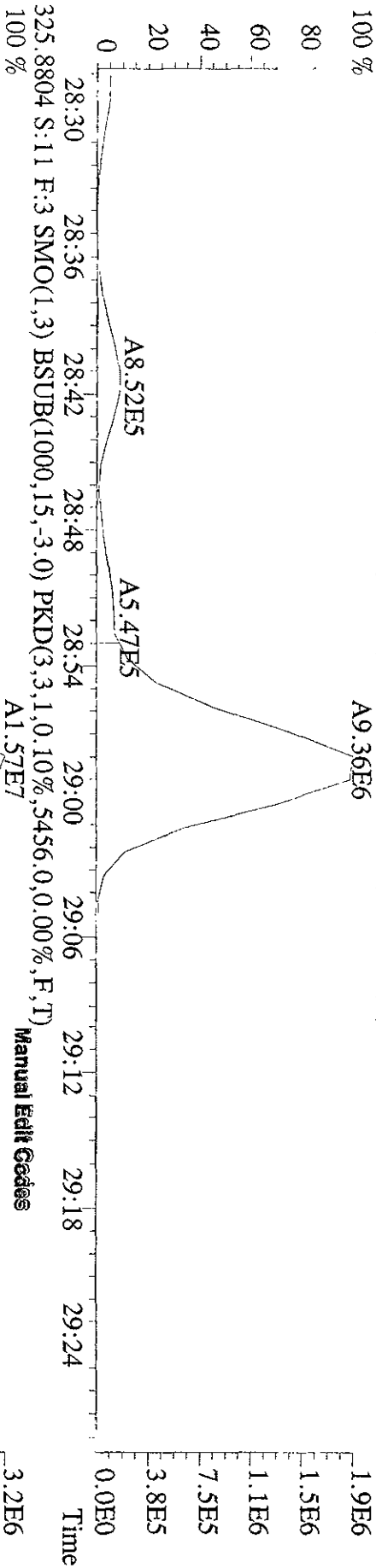


Sample#11 Text: K7N8A-1-AA : G9B250206-2 (10X) Exp: 209DB5

323.8834 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2452.0,0.00%,F,T)

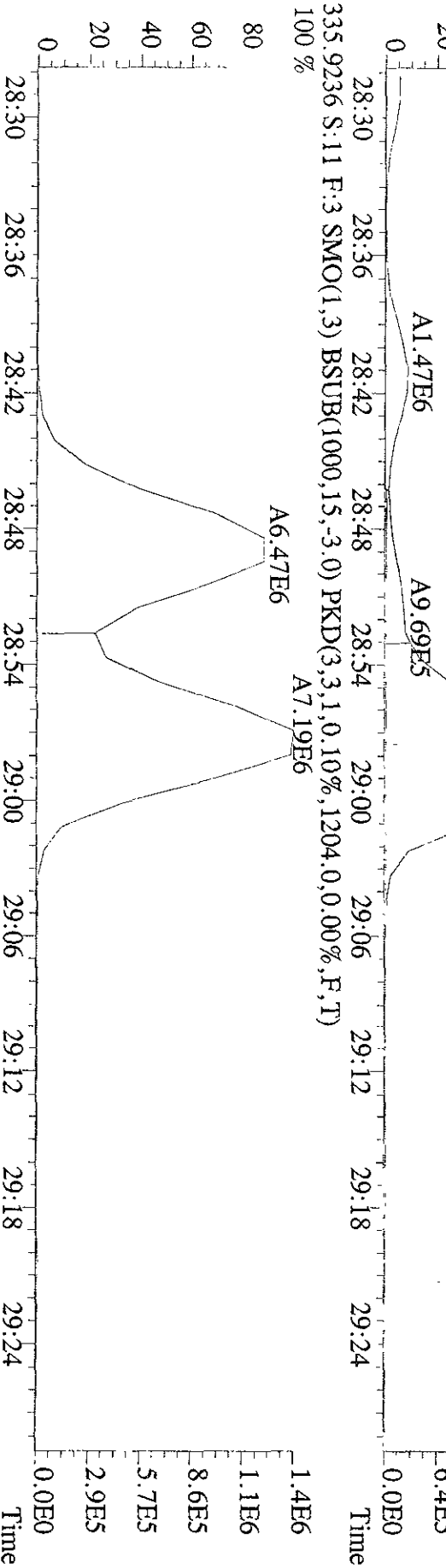


File: 16MR09A9D5 #1-595 Acq: 17-MAR-2009 03:57:50 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text: K7N8A-1-AA : G9B250206-2 Exp: 209DB5  
 323.8834 S: 1.1 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2452.0,0.00%,F,T)  
 100%

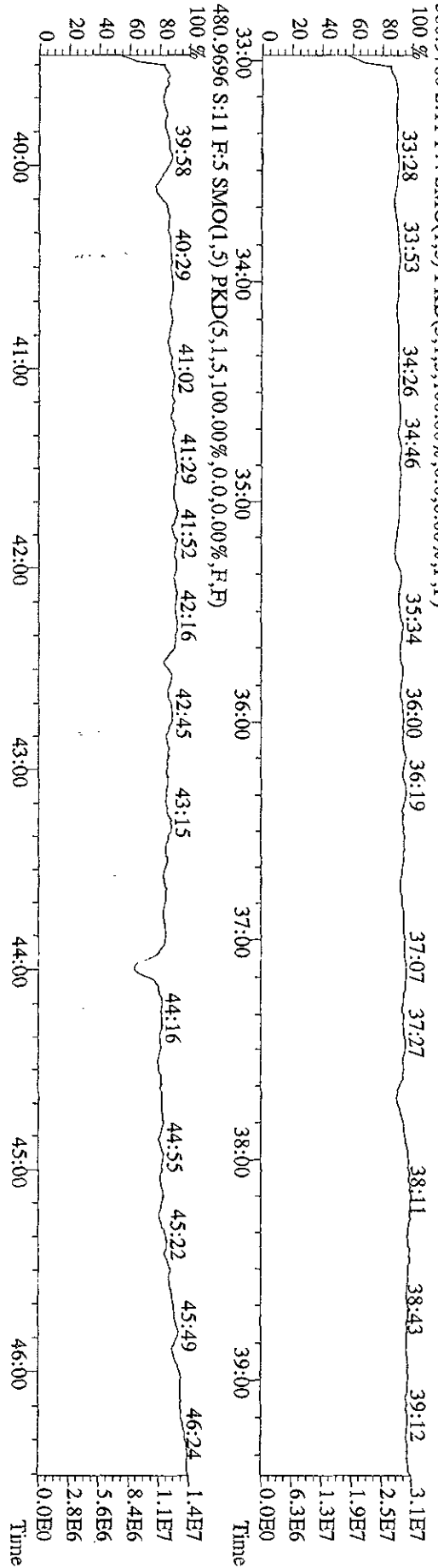
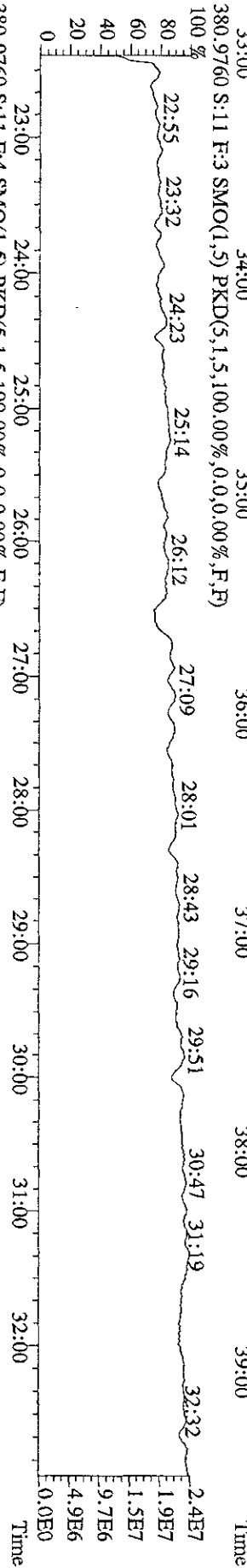
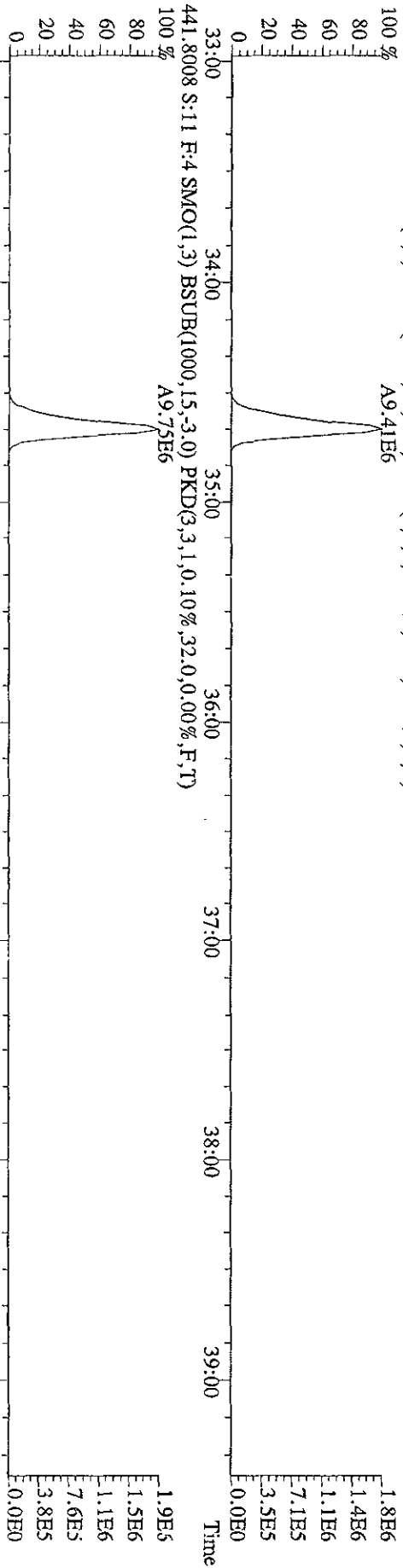


- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK Date 3/24/09

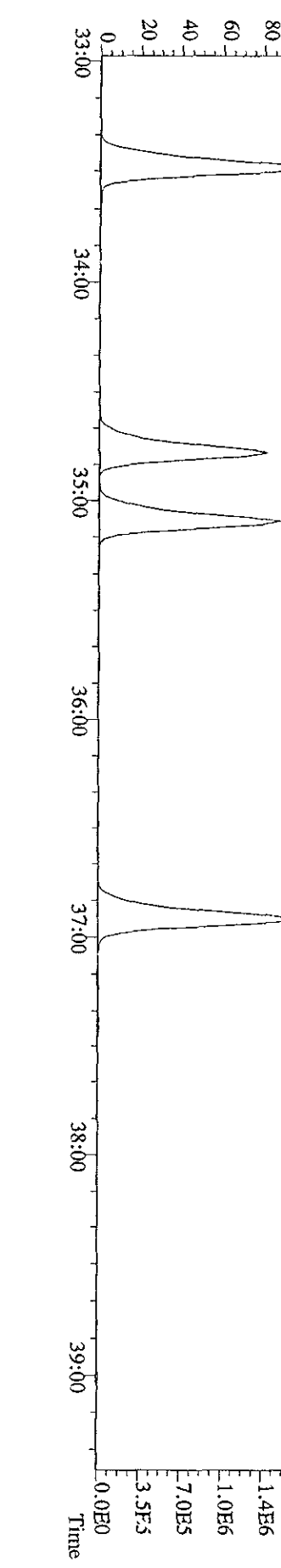
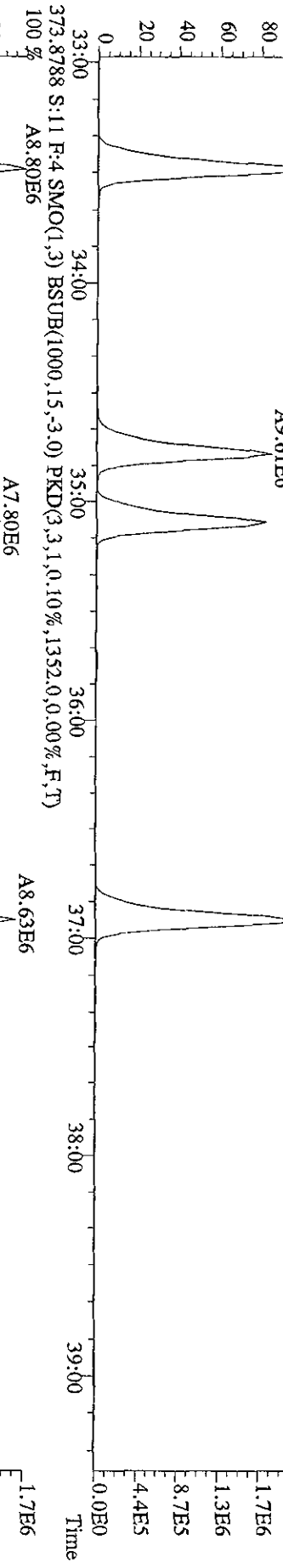
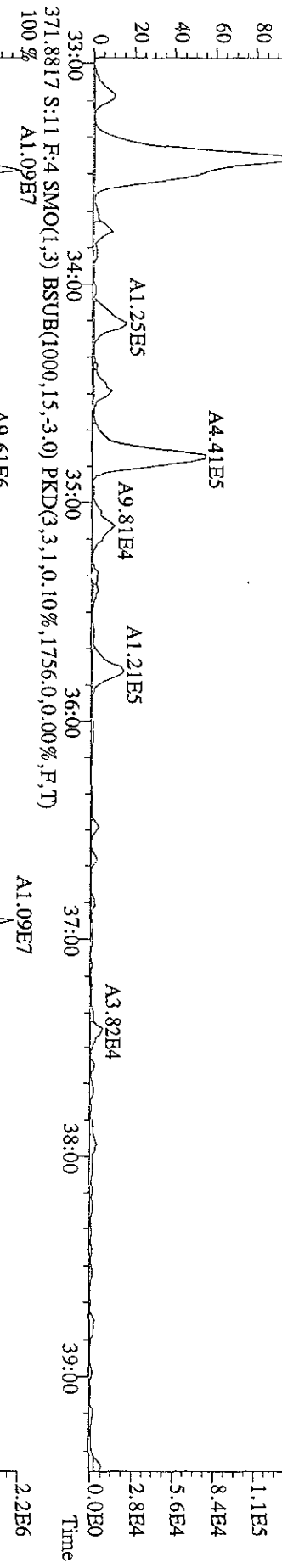
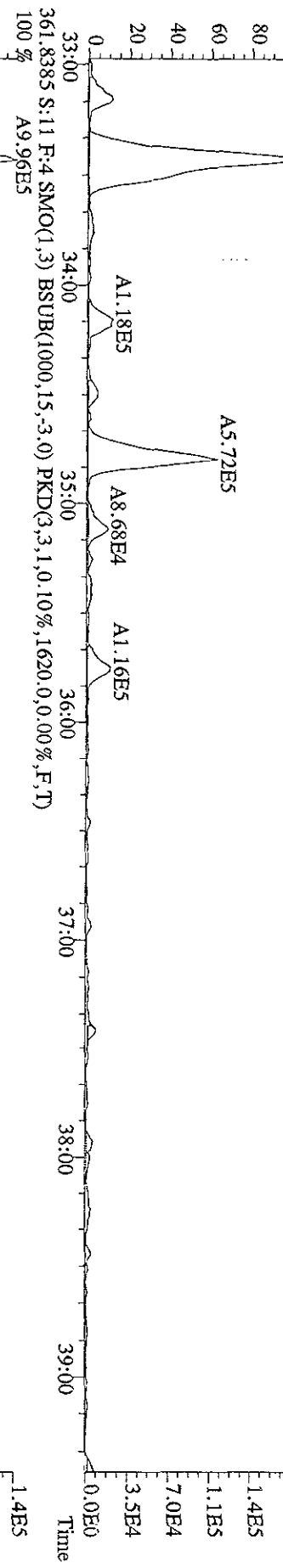


File: 16MR09A9D5 #1-394 Acq: 17-MAR-2009 03:57:50 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text: K7N8A-1-AA : G9B250206-2 (10X) Exp: 209DB5  
 439.8038 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,32.0,0.00%,F,T)  
 A9.41E6

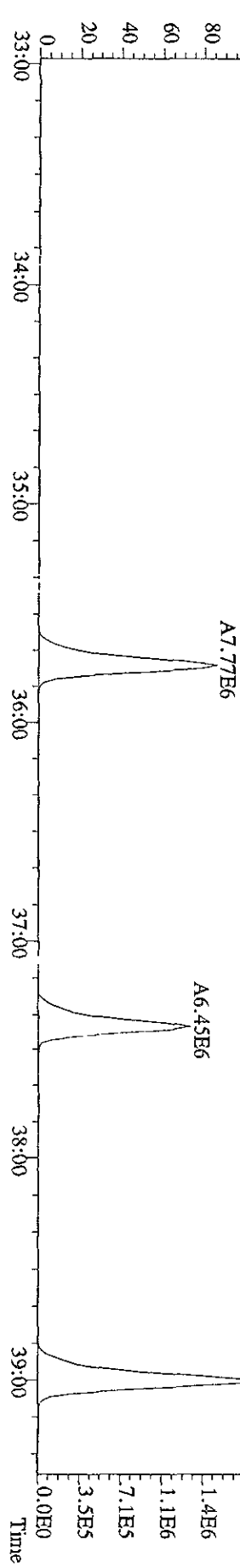
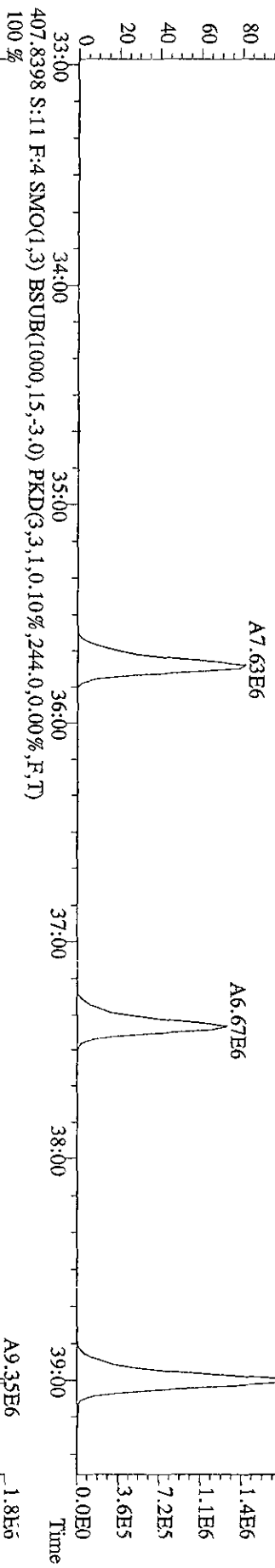
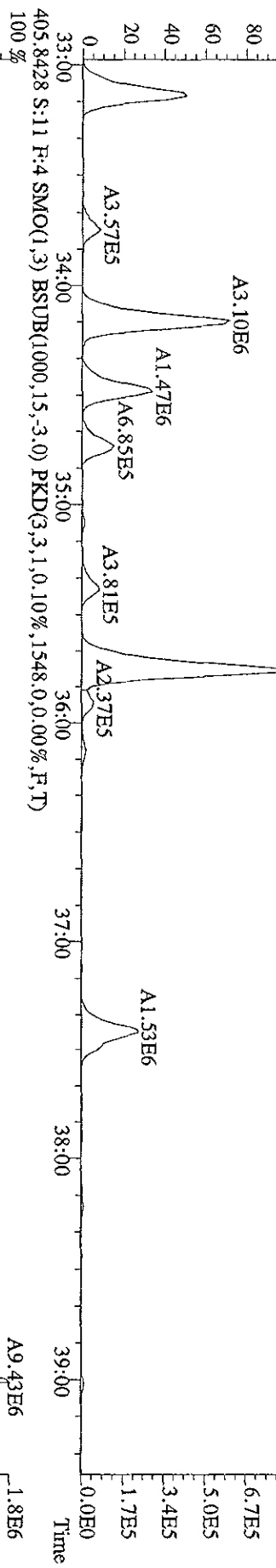
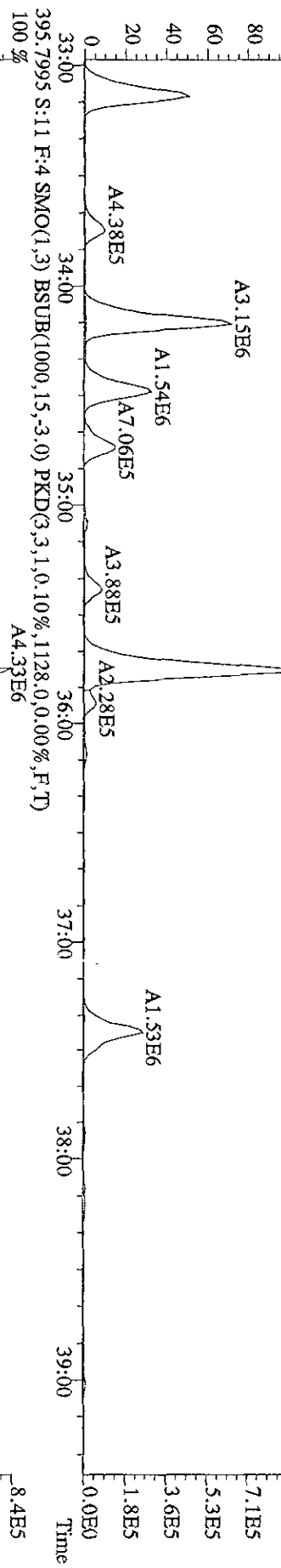




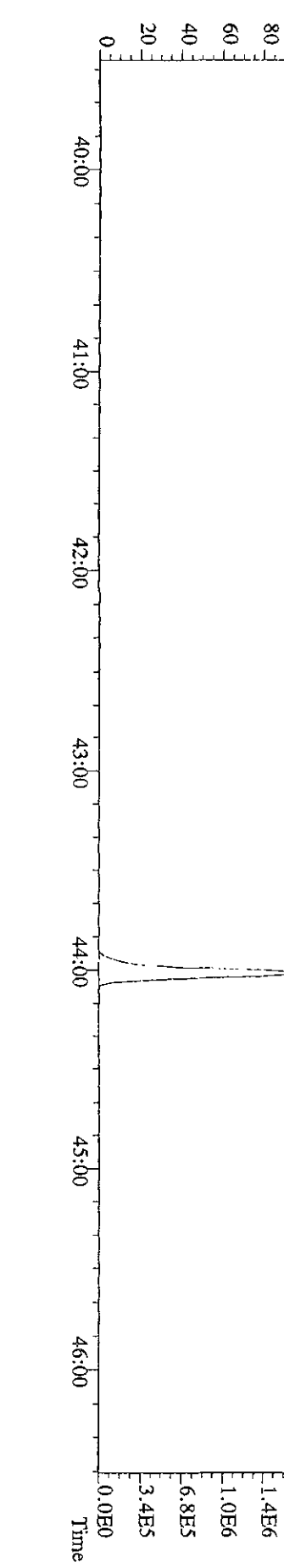
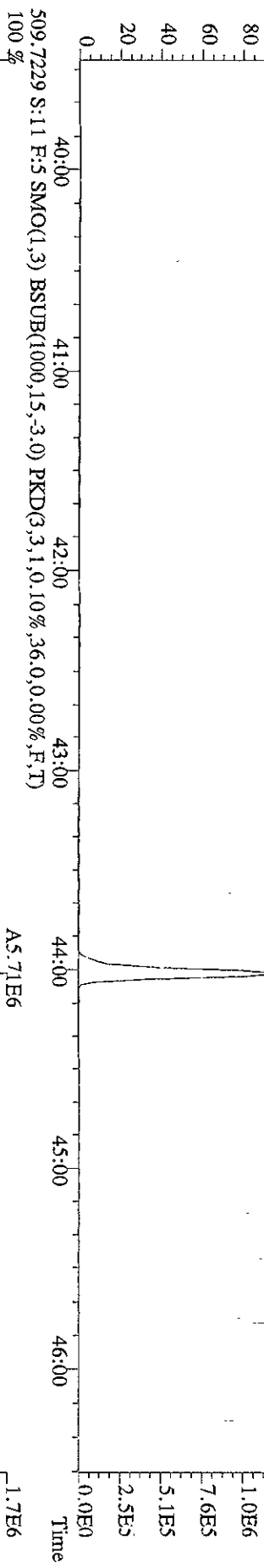
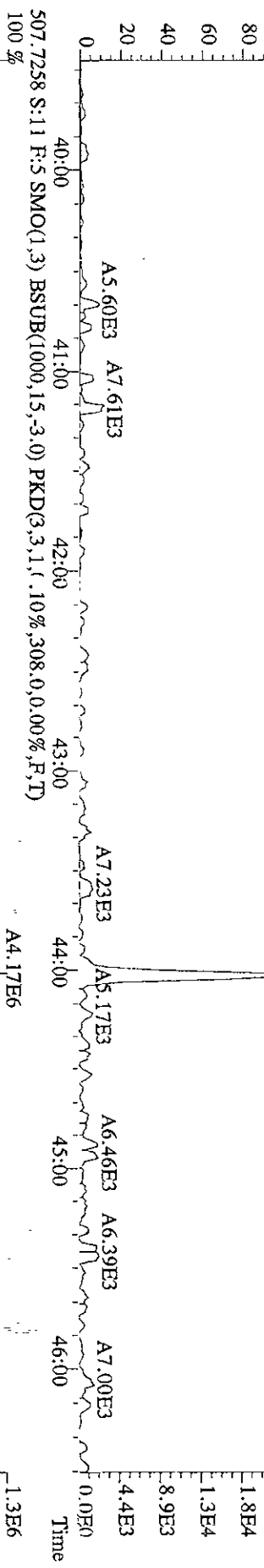
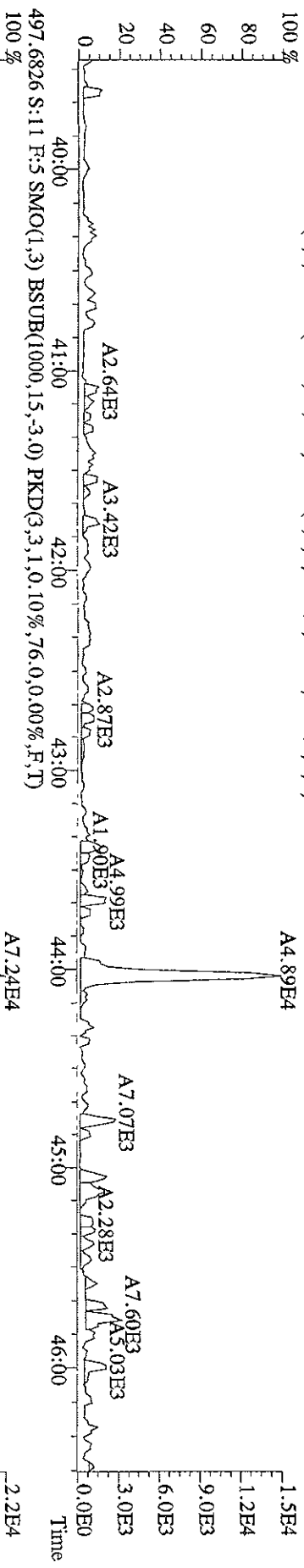
File: 16MR09A9D5 #1-394 Acq: 17-MAR-2009 03:57:50 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#11 Text: K7N8A-1-AA :G9B250206-2 (10X) Exp: 209DB5  
 359.8415 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2224.0,0.00%,F,T)  
 100% A1.18E6



File: 16MR09A9D5 #1-394 Acq:17-MAR-2009 03:57:50 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text:K7N8A-1-AA :G9B250206-2 (10X) Exp:209DB5  
 393,8025 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2712,0,0,00%,F,T)  
 100%



File:16MR09A9D5 #1-469 Acq:17-MAR-2009 03:57:50 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text:K7N8A-1-AA :G9B250206-2 (10X) Exp:209DB5  
 495.6856 S:11 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,596,0,0,00%,F,T)



Run text: K7N8C-1-AA      Sample text: K7N8C-1-AA :G9B250206-3 RI  
 Run #7    Filename: 25MR099D5    S: 5    I: 1    Results: 25mr099d51668msl  
 Acquired: 25-MAR-09    16:45:32      Processed: 25-MAR-09    17:44:43  
 Run: 25MR099D5      Analyte: 1668MSL      Cal: 1668MSL0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.50    Sample

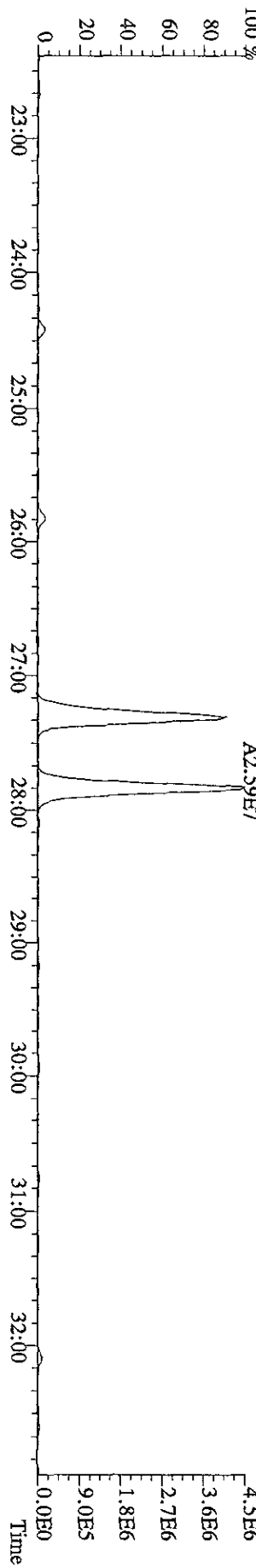
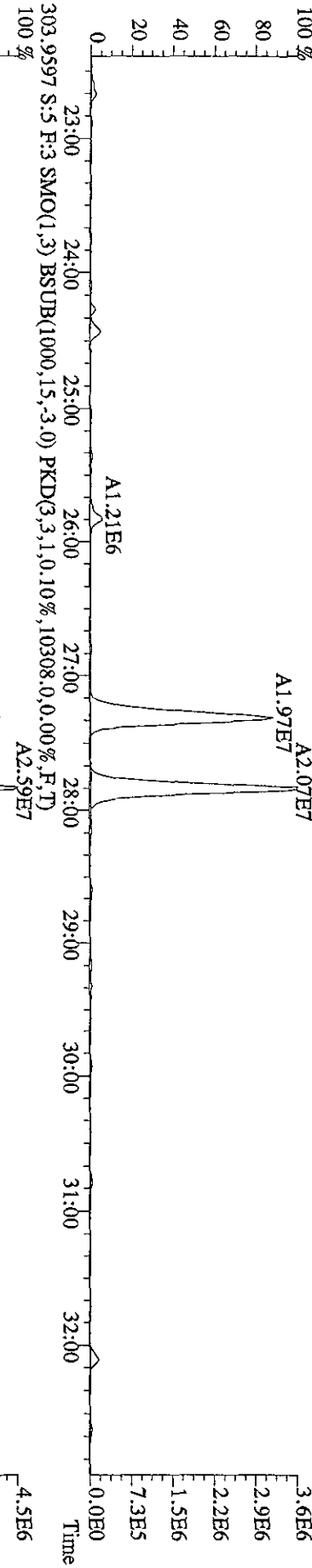
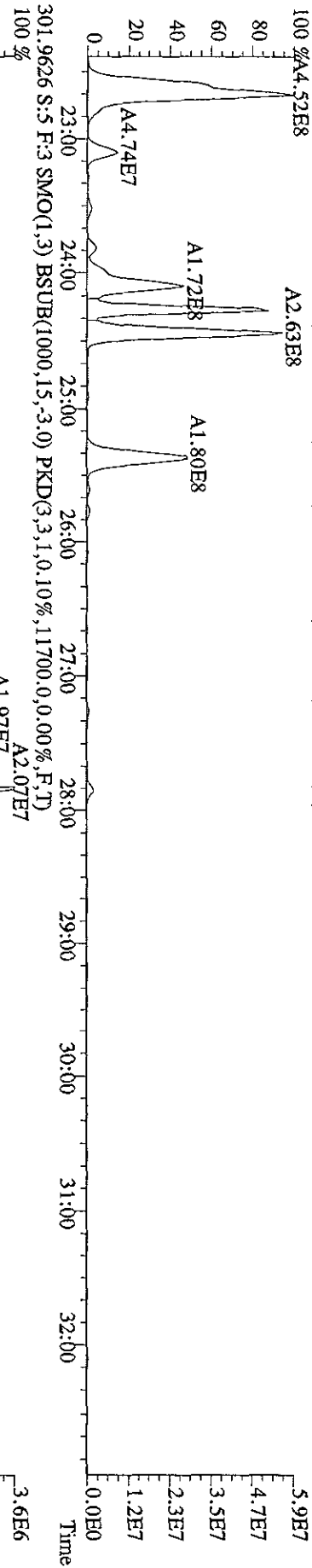
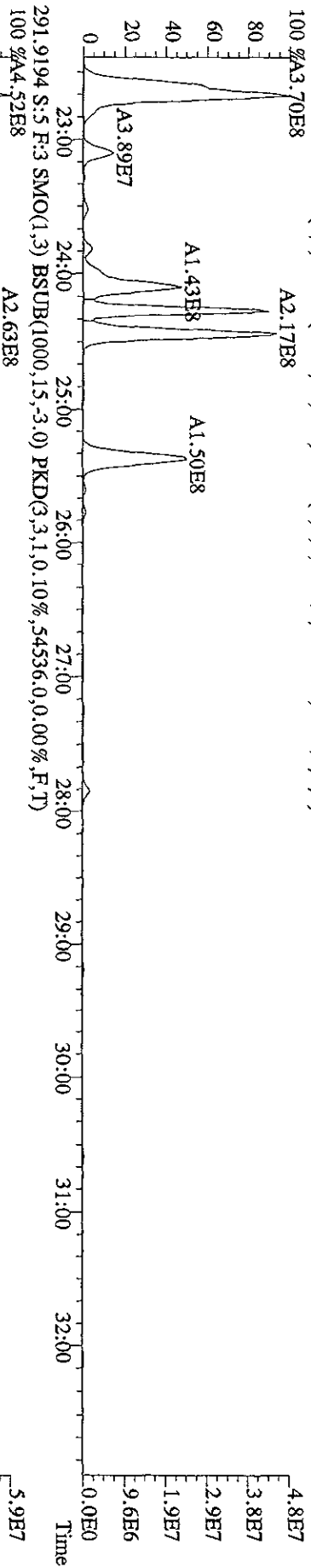
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	38649000	0.67 y	25:45	-	31.61	-	-	n
13C-TCB-81	44727300	0.79 y	27:19	0.95	4886.66	33.91	122.2	n
TCB-81	4319834	0.60 n	27:17	1.28	302.22	74.43	-	n
13C-TCB-77	44727300	0.79 y	27:19	0.98	4712.00	32.70	117.8	n
TCB-77	4319834	0.60 n	27:17	1.10	350.11	86.22	-	n
13C-PeCB-123	47155400	0.67 y	29:10	0.87	5600.18	13.19	140.0	n
PeCB-123	10501581	0.51 n	29:14	1.51	590.33	12.67	-	y
13C-PeCB-118	50041100	0.70 y	29:18	0.98	5260.38	11.68	131.5	n
PeCB-118/106	161996100	0.60 y	29:19	1.53	√8474.35	12.09	-	y
13C-PeCB-114	54348800	0.68 y	29:56	0.97	5820.80	11.90	145.5	n
PeCB-114	6581000	0.55 y	29:56	1.59	305.50	10.57	-	n
13C-PeCB-105	52002300	0.69 y	30:46	0.90	5998.39	12.81	150.0	n
PeCB-105/127	69229000	0.58 y	30:47	1.42	√3744.12	11.78	-	n
13C-PeCB-126	67649700	0.67 y	32:36	0.91	7681.10	12.61	192.0	n
PeCB-126	*	* n	NotFnd	1.17	*	10.79	-	n
13C-OcCB-202	69175200	0.91 y	34:49	-	53.76	-	-	n
13C-HxCB-167	73966500	1.28 y	33:41	0.84	5082.25	6.62	127.1	n
HxCB-167	15918370	1.21 y	33:37	1.17	736.48	7.56	-	n
13C-HxCB-156	64722800	1.31 y	34:58	0.67	5584.05	8.31	139.6	n
HxCB-156	7220290	1.34 y	34:59	1.45	307.26	7.16	-	n
13C-HxCB-157	66801100	1.27 y	35:15	0.71	5464.82	7.88	136.6	n
HxCB-157	1255208	1.21 y	35:17	1.45	51.96	6.67	-	n
13C-HxCB-169	76950900	1.28 y	37:05	0.73	6066.30	7.59	151.7	n
HxCB-169	*	* n	NotFnd	0.99	*	8.93	-	n
13C-HpCB-180	51791700	1.02 y	35:54	0.58	5122.66	4.58	128.1	n
HpCB-180	60053800	1.10 y	35:55	1.27	√3665.87	4.99	-	n
13C-HpCB-170	45027600	1.03 y	37:31	0.47	5488.22	5.64	137.2	n
HpCB-170/190	20757030	1.11 y	37:32	1.61	√1147.85	4.54	-	n
13C-HpCB-189	64403600	1.02 y	39:09	0.60	6222.08	4.47	155.6	n
HpCB-189	440915	1.22 n	39:09	1.21	22.70	4.38	-	n
13C-PeCB-111	49474700	0.69 y	27:13	1.36	2678.02	5.63	67.0	n

AK 3/26/09

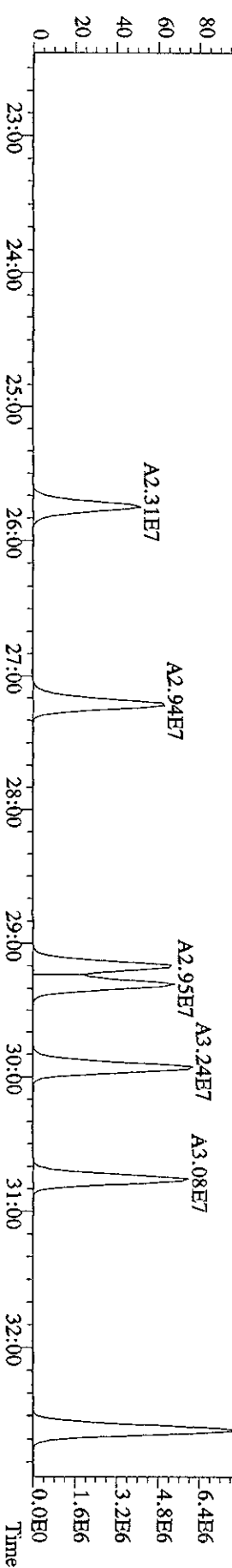
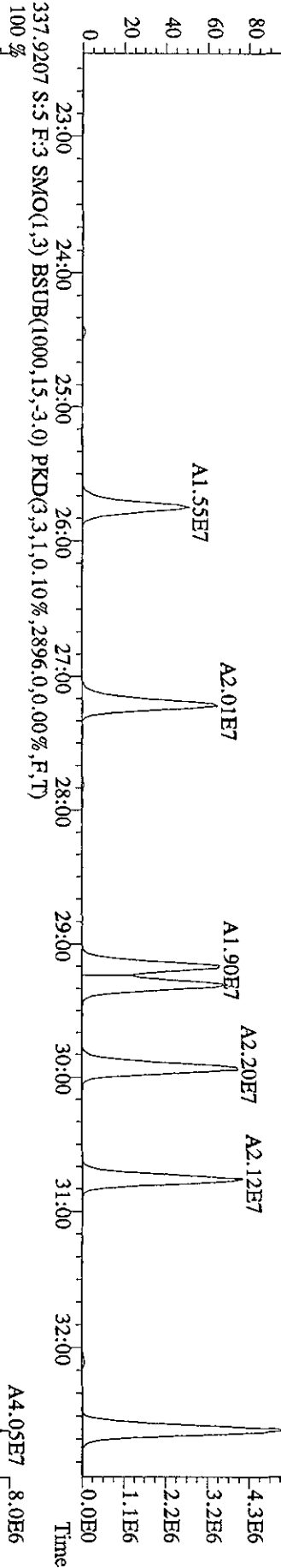
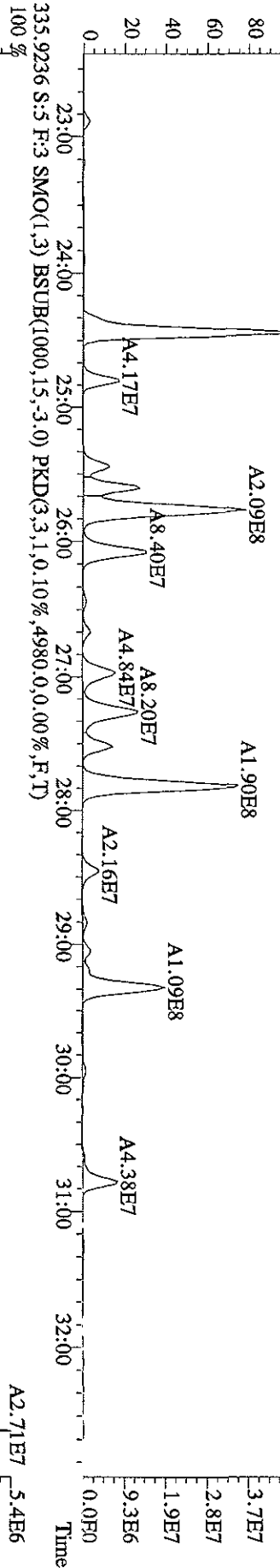
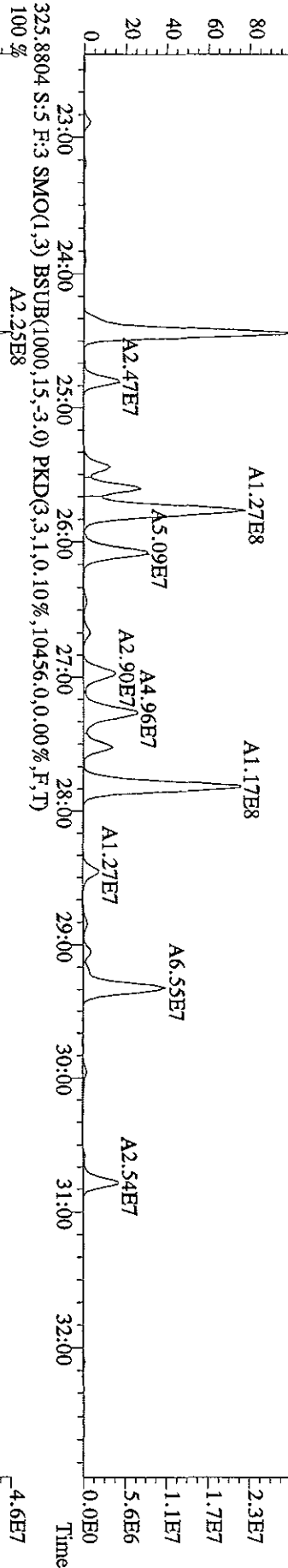
Run text: K7N8C-1-AA Sample text: K7N8C-1-AA :G9B250206-3 RI  
 Run #7 Filename: 25MR099D5 S: 5 I: 1 Results: 25MR099D51668MSL  
 Acquired: 25-MAR-09 16:45:32 Processed: 25-MAR-09 17:44:43  
 Run: 25MR099D5 Analyte: 1668MSL Cal: 1668MSL0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Sample

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	38649000	0.67 y	25:45	-	31.61	-	-	n
13C-TCB-81	44727300	0.79 y	27:19	0.95	4886.66	33.91	122.2	n
TCB-81	4319834	0.60 n	27:17	1.28	302.22	74.43	-	n
13C-TCB-77	44727300	0.79 y	27:19	0.98	4712.00	32.70	117.8	n
TCB-77	4319834	0.60 n	27:17	1.10	350.11	86.22	-	n
13C-PeCB-123	47155400	0.67 y	29:10	0.87	5600.18	13.19	140.0	n
PeCB-123	*	* n	NotFnd	1.51	*	12.67	-	n
13C-PeCB-118	50041100	0.70 y	29:18	0.98	5260.38	11.68	131.5	n
PeCB-118/106	174135300	0.60 y	29:19	1.53	9109.37	12.09	-	n
13C-PeCB-114	54348800	0.68 y	29:56	0.97	5820.80	11.90	145.5	n
PeCB-114	6580990	0.55 y	29:56	1.59	305.50	10.57	-	n
13C-PeCB-105	52002300	0.69 y	30:46	0.90	5998.39	12.81	150.0	n
PeCB-105/127	69229000	0.58 y	30:47	1.42	3744.12	11.78	-	n
13C-PeCB-126	67649700	0.67 y	32:36	0.91	7681.10	12.61	192.0	n
PeCB-126	*	* n	NotFnd	1.17	*	10.79	-	n
13C-OcCB-202	69175200	0.91 y	34:49	-	53.76	-	-	n
13C-HxCB-167	73966500	1.28 y	33:41	0.84	5082.25	6.62	127.1	n
HxCB-167	15918370	1.21 y	33:37	1.17	736.48	7.56	-	n
13C-HxCB-156	64722800	1.31 y	34:58	0.67	5584.05	8.31	139.6	n
HxCB-156	7220290	1.34 y	34:59	1.45	307.26	7.16	-	n
13C-HxCB-157	66801100	1.27 y	35:15	0.71	5464.82	7.88	136.6	n
HxCB-157	1255208	1.21 y	35:17	1.45	51.96	6.67	-	n
13C-HxCB-169	76950900	1.28 y	37:05	0.73	6066.30	7.59	151.7	n
HxCB-169	*	* n	NotFnd	0.99	*	8.93	-	n
13C-HpCB-180	51791700	1.02 y	35:54	0.58	5122.66	4.58	128.1	n
HpCB-180	60053800	1.10 y	35:55	1.27	3665.87	4.99	-	n
13C-HpCB-170	45027600	1.03 y	37:31	0.47	5488.22	5.64	137.2	n
HpCB-170/190	20757030	1.11 y	37:32	1.61	1147.85	4.54	-	n
13C-HpCB-189	64403600	1.02 y	39:09	0.60	6222.08	4.47	155.6	n
HpCB-189	440915	1.22 n	39:09	1.21	22.70	4.38	-	n
13C-PeCB-111	49474700	0.69 y	27:13	1.36	2678.02	5.63	67.0	n

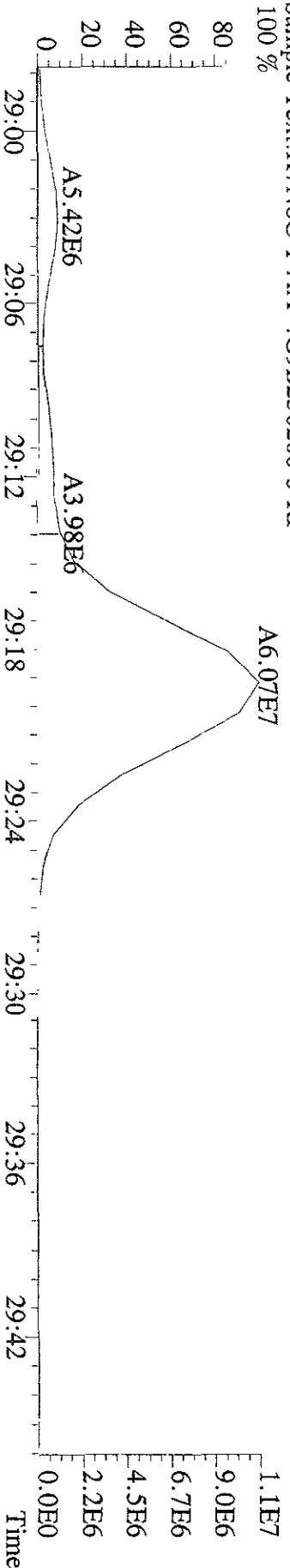
File: 25MR09D5 #1-595 Acq: 25-MAR-2009 16:45:32 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: K7N8C-1-AA : G9B250206-3 RI Exp: 209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,15064,0,0,00%,F,T)  
 100 %A3.70E8



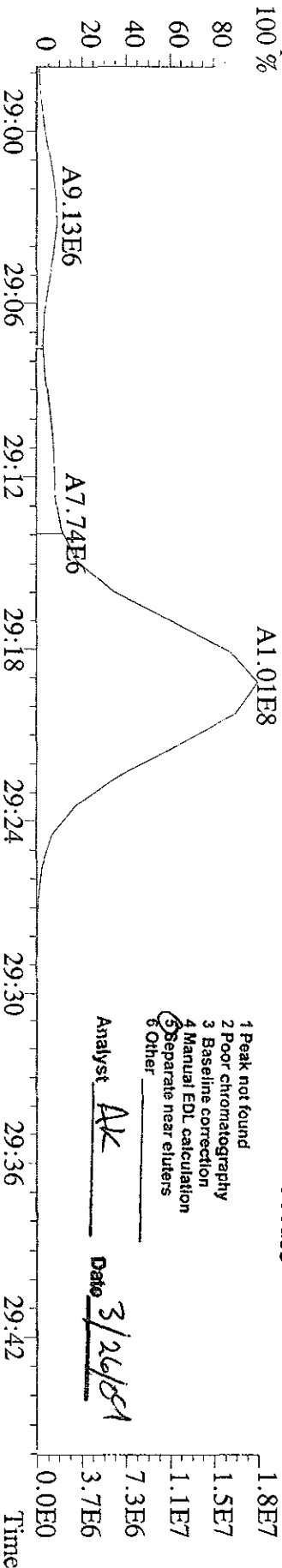
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 Sample#5 Text:K7N8C-1-AA :G9B250206-3 RI Exp:209DB5  
 323.8834 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6436.0,0.00%,F,T)  
 100 % A1.37E8



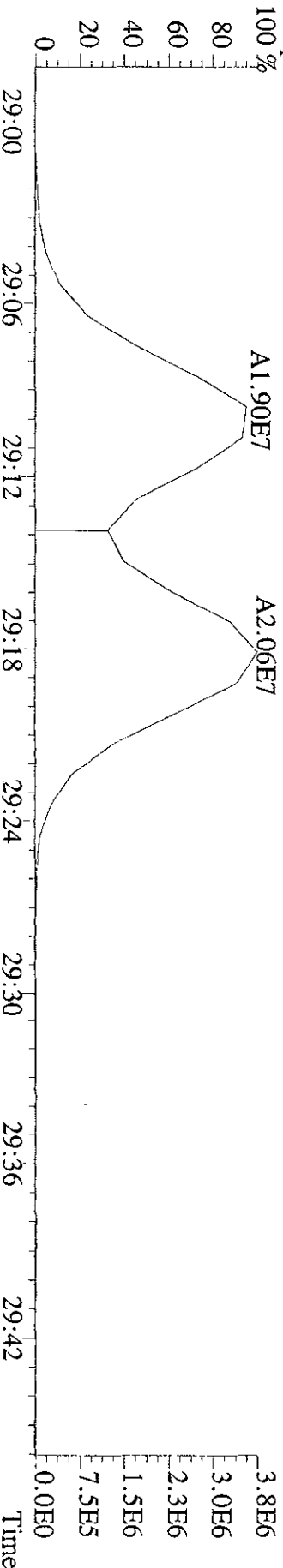
File:25MR099D5 #1-595 Acq:25-MAR-2009 16:45:32 GC EI + Voltage SIR Autospec-Ultimate  
 323.8834 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6436.0,0.00%,F,T) Exp:209DB5 Nois >  
 Sample Text:K7N8C-1-AA :G9B250206-3 RI  
 100 %



File:25MR099D5 #1-595 Acq:25-MAR-2009 16:45:32 GC EI + Voltage SIR Autospec-Ultimate  
 325.8804 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,10456.0,0.00%,F,T) Exp:209DB5 Noi >  
 Sample Text:K7N8C-1-AA :G9B250206-3 RI  
 100 %



File:25MR099D5 #1-595 Acq:25-MAR-2009 16:45:32 GC EI + Voltage SIR Autospec-Ultimate  
 335.9236 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4980.0,0.00%,F,T) Exp:209DB5 Nois >  
 Sample Text:K7N8C-1-AA :G9B250206-3 RI  
 100 %

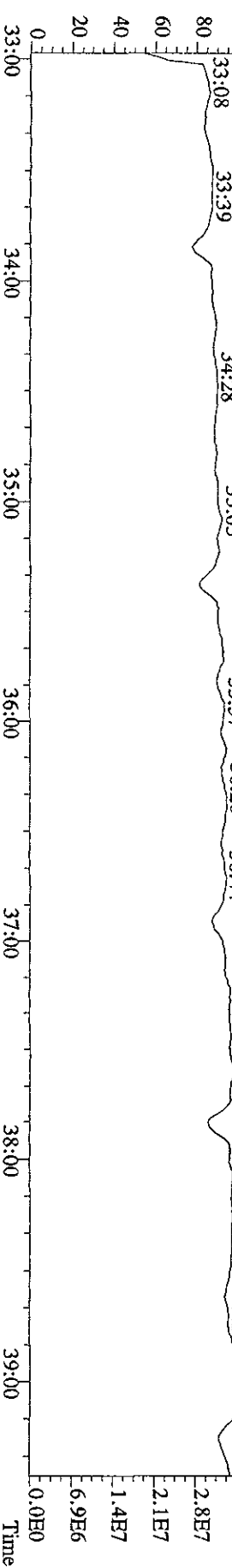
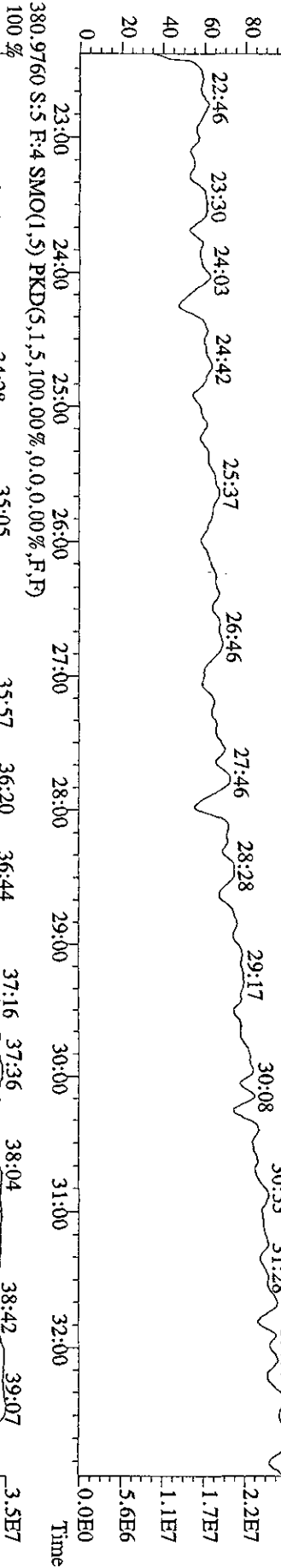
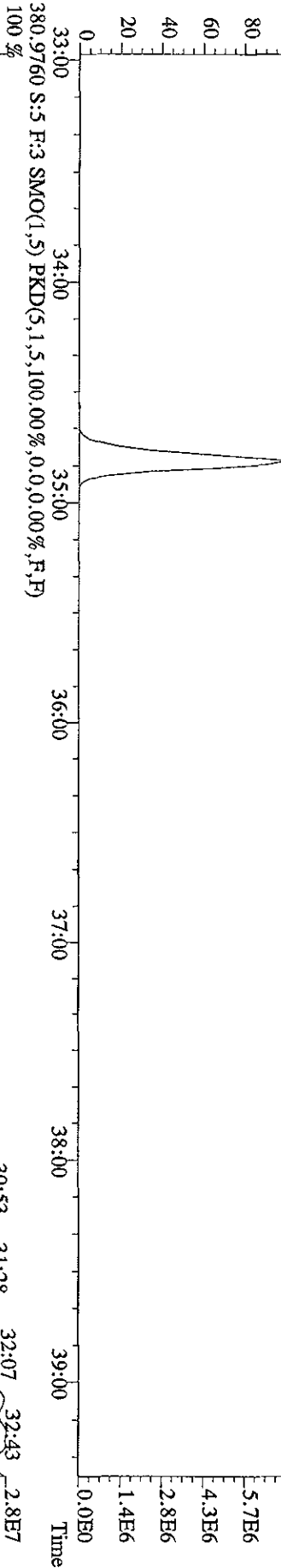
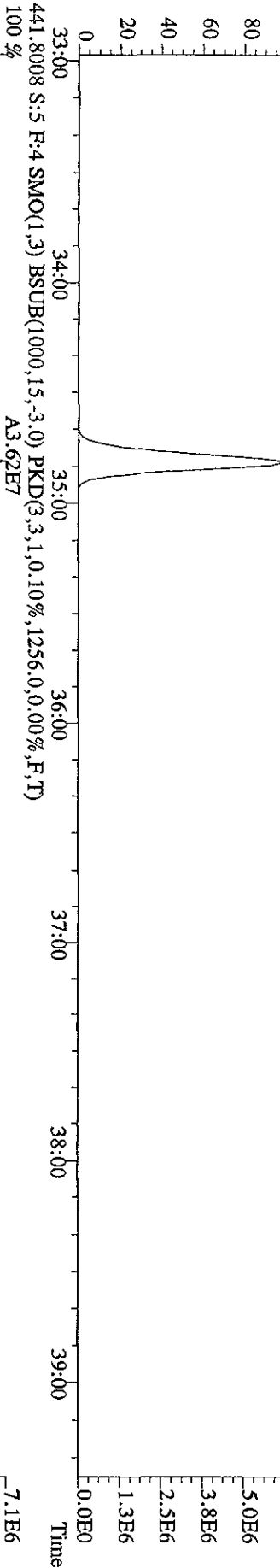


- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

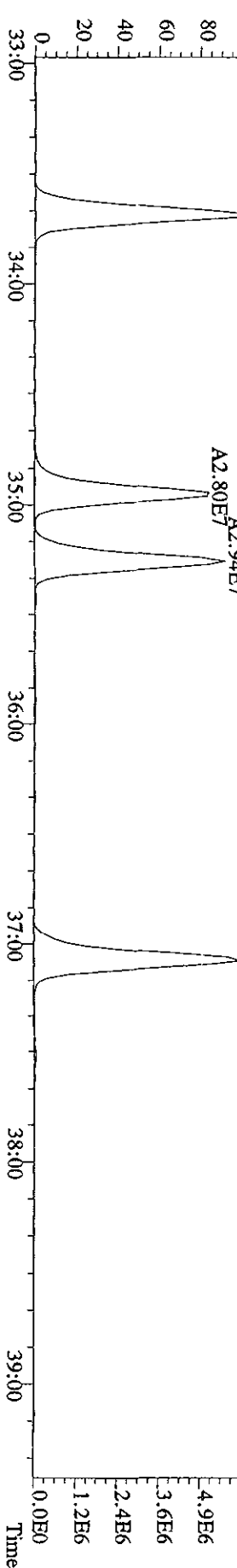
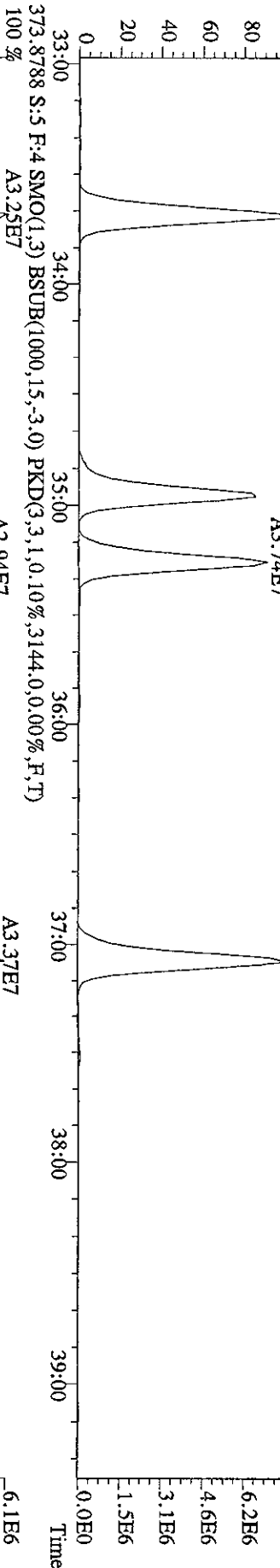
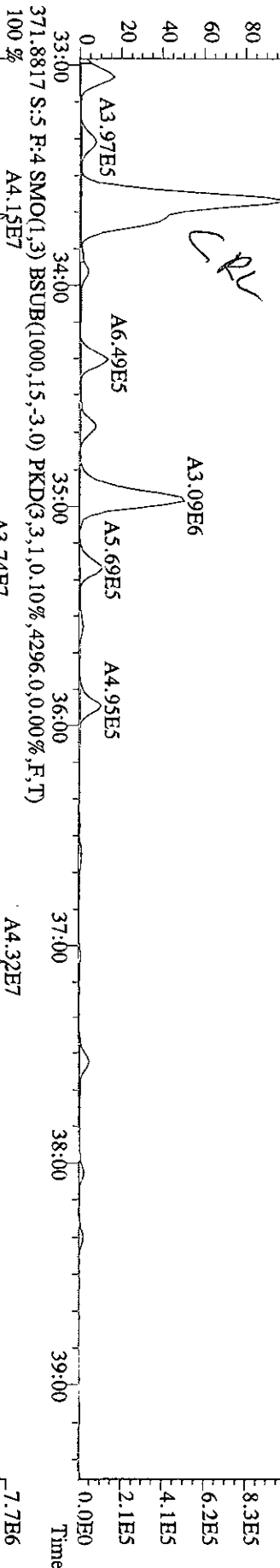
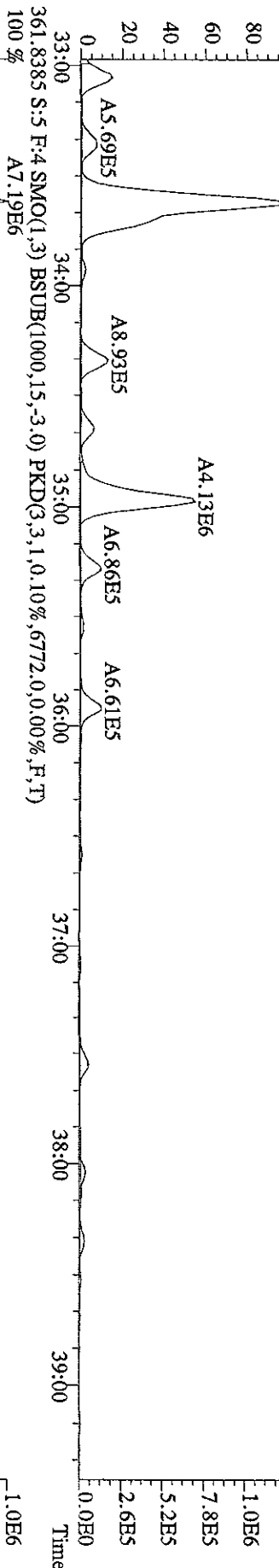
Analyst AK Date 3/26/09



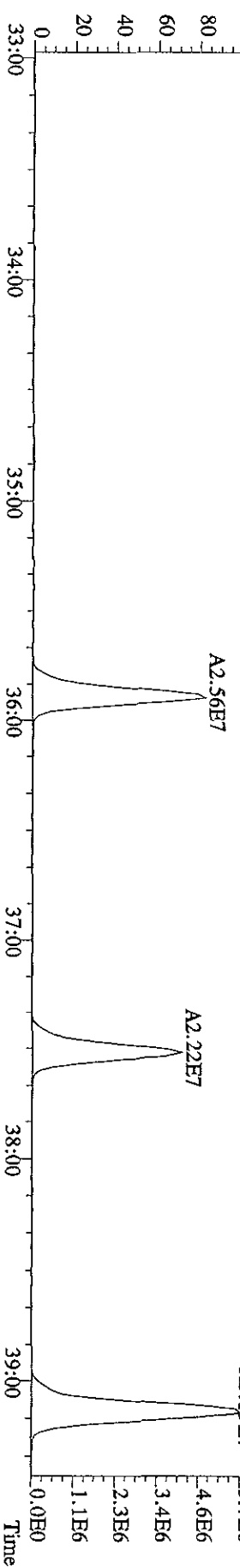
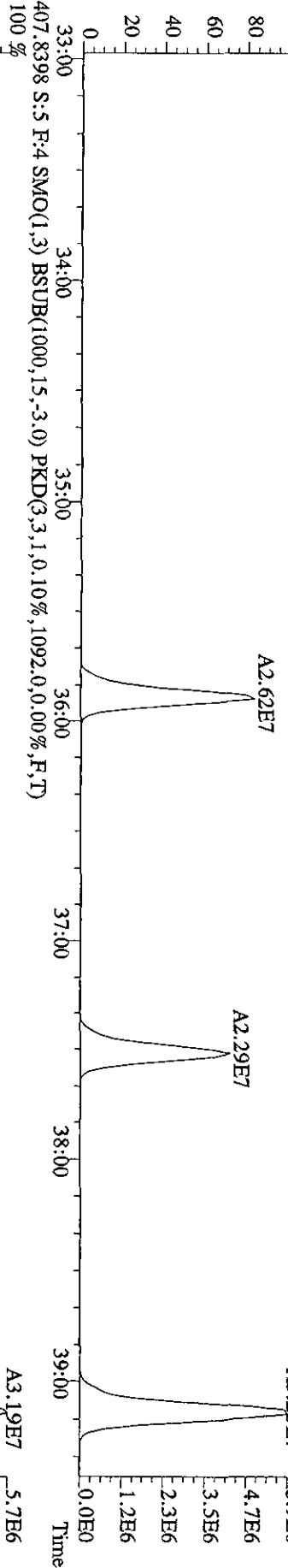
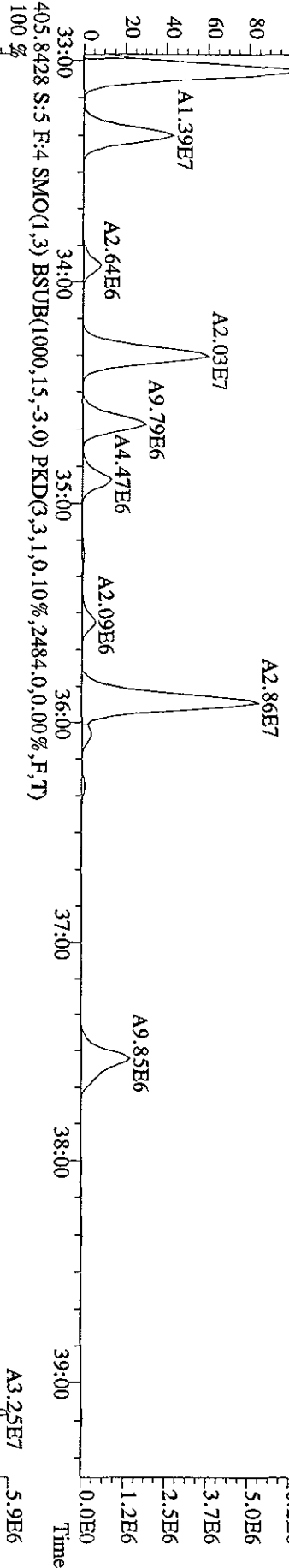
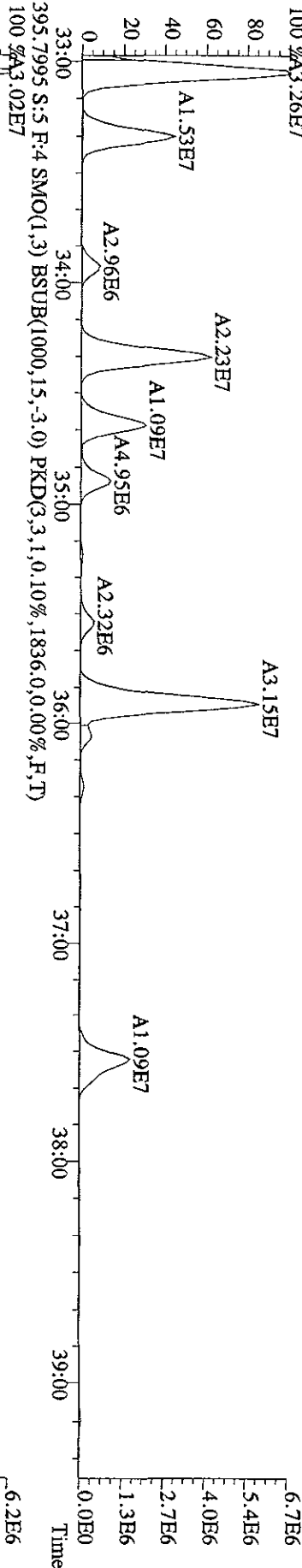
File: 25MR099D5 #1-394 Acq: 25-MAR-2009 16:45:32 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: K7N8C-1-AA : G9B250206-3 RI Exp: 209DB5  
 439.8038 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,988.0,0.00%,F,T)  
 100% A3.30E7



File: 25MR099D5 #1-394 Acq: 25-MAR-2009 16:45:32 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: K7N8C-1-AA : G9B250206-3 RI Exp: 209DB5  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,.5376,0,0.00%,F,T)  
 100 % A8.73E6



File: 25MR099D5 #1-394 Acq: 25-MAR-2009 16:45:32 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: K7N8C-1-AA : G9B250206-3 RI Exp: 209DB5  
 393.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4288,0,0,00%,F,T)  
 100 %A3.26E7



Run text: K7N8D-1-AA Sample text: K7N8D-1-AA :G9B250206-4 (10X)  
 Run #17 Filename: 16MR09A9D5 S: 13 I: 1 Results: 16MR09A9D51668MSLDEC  
 Acquired: 17-MAR-09 05:40:31 Processed: 17-MAR-09 09:44:07  
 Run: 16MR09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Samp

*10000 k*  
*RL 1000*

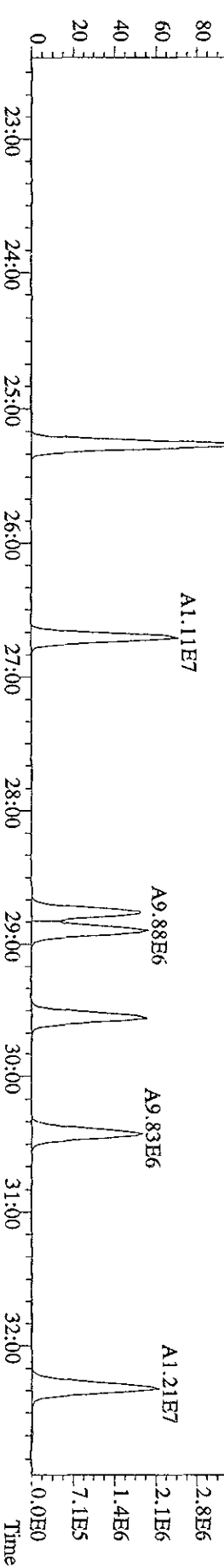
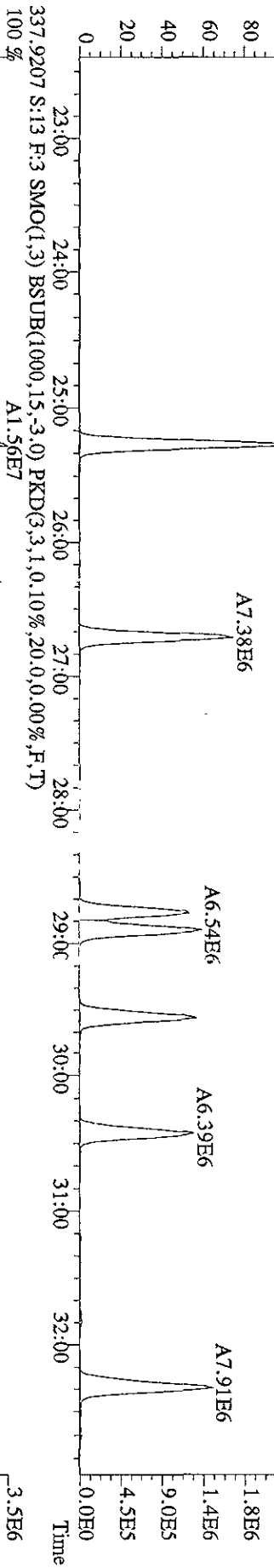
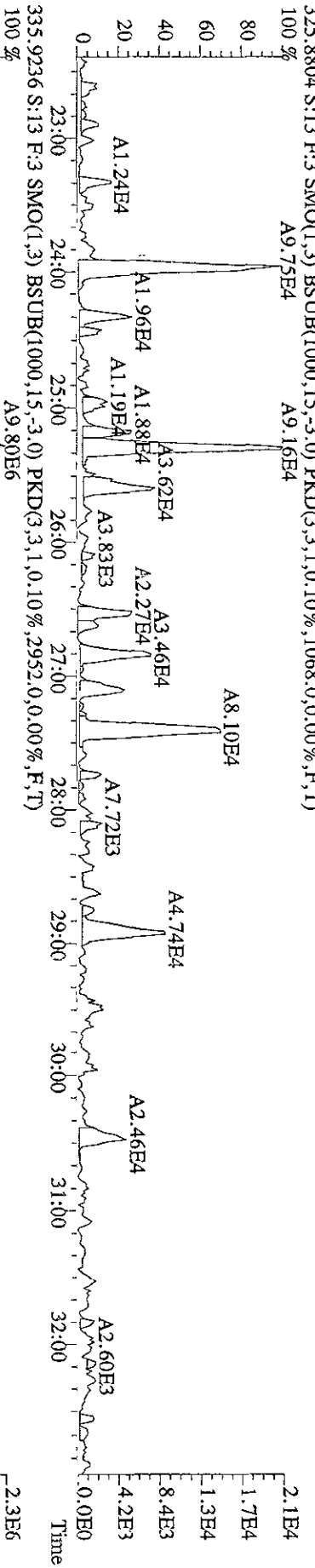
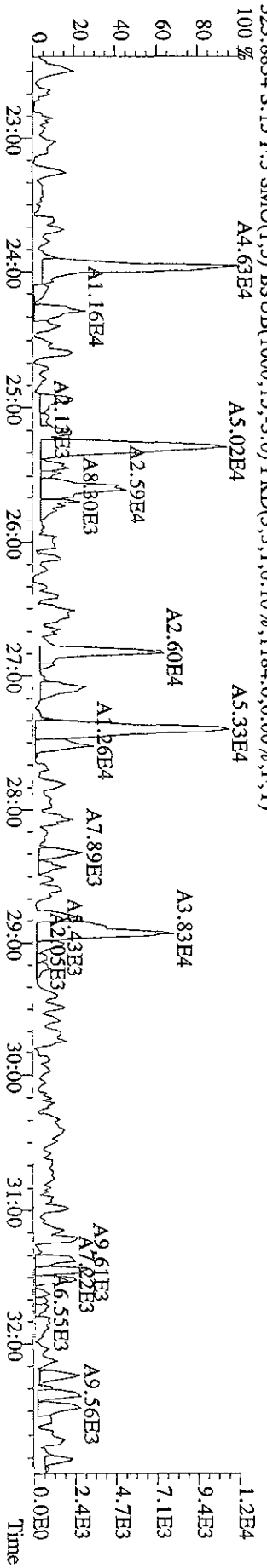
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	25433706	0.63 y	25:16	-	20.80	-	-	n
13C-TCB-81	13677382	0.78 y	26:49	0.95	2270.76	8.67	56.8	n
TCB-81	*	* n	NotFnd	1.28	*	4.63	-	n
13C-TCB-77	13679492	0.81 y	27:23	0.98	2189.93	8.36	54.7	n
TCB-77	*	* n	NotFnd	1.10	*	5.33	-	n
13C-PeCB-123	14945761	0.63 y	28:46	0.87	2697.22	5.89	67.4	n
PeCB-123	*	* n	NotFnd	1.51	*	4.89	-	n
13C-PeCB-118	16411398	0.66 y	28:54	0.98	2621.59	5.21	65.5	n
PeCB-118/106	76299	0.81 n	28:56	1.53	12.17	4.44	-	n
13C-PeCB-114	16202690	0.66 y	29:33	0.97	2636.99	5.31	65.9	n
PeCB-114	*	* n	NotFnd	1.59	*	4.40	-	n
13C-PeCB-105	16218800	0.65 y	30:25	0.90	2842.89	5.72	71.1	n
PeCB-105/127	*	* n	NotFnd	1.42	*	5.06	-	n
13C-PeCB-126	20033655	0.65 y	32:19	0.91	3456.58	5.63	86.4	n
PeCB-126	*	* n	NotFnd	1.17	*	5.31	-	n
13C-OcCB-202	23708399	0.95 y	34:38	-	18.42	-	-	n
13C-HxCB-167	20072219	1.21 y	33:27	0.84	4024.06	8.63	100.6	n
HxCB-167	*	* n	NotFnd	1.17	*	2.71	-	n
13C-HxCB-156	17658404	1.27 y	34:45	0.67	4445.20	10.83	111.1	n
HxCB-156	*	* n	NotFnd	1.45	*	2.62	-	n
13C-HxCB-157	18219806	1.24 y	35:05	0.71	4348.95	10.27	108.7	n
HxCB-157	9487	0.89 n	35:06	1.45	1.44	2.52	-	n
13C-HxCB-169	21165590	1.21 y	36:54	0.73	4868.43	9.90	121.7	n
HxCB-169	940	0.08 n	36:51	0.99	0.18	3.20	-	n
13C-HpCB-180	17019400	1.02 y	35:43	0.58	4911.66	7.52	122.8	n
HpCB-180	674929	0.92 y	35:44	1.27	125.38	9.43	-	n
13C-HpCB-170	14353162	1.03 y	37:22	0.47	5104.44	9.27	127.6	n
HpCB-170/190	297249	0.82 n	37:23	1.61	51.57	8.91	-	n
13C-HpCB-189	20391024	0.99 y	38:60	0.60	5747.95	7.35	143.7	n
HpCB-189	*	* n	NotFnd	1.21	*	8.64	-	n
13C-DeCB-209	13035008	0.79 y	44:00	0.46	4779.24	1.69	119.5	n
DECB-209	17899	1.00 n	44:01	1.50	3.65	2.05	-	n
13C-PeCB-111	18499761	0.66 y	26:43	1.36	3420.79	6.88	85.5	n

*< RL*

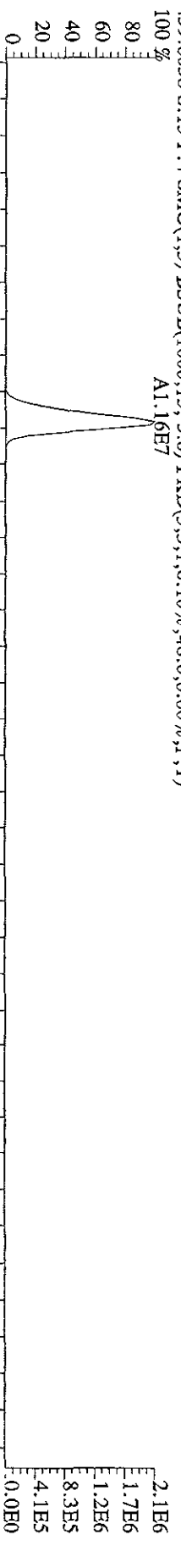
*NAJ*

*AK 3/15/09*

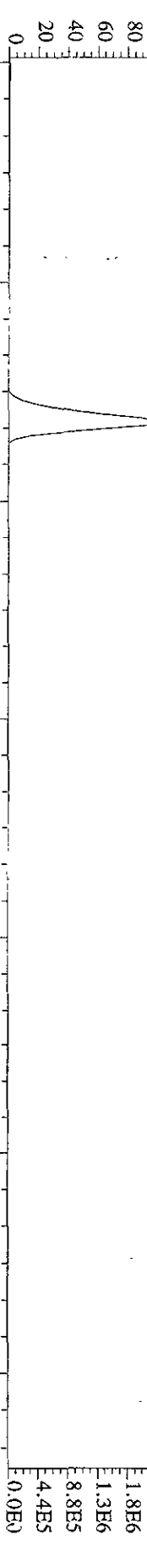




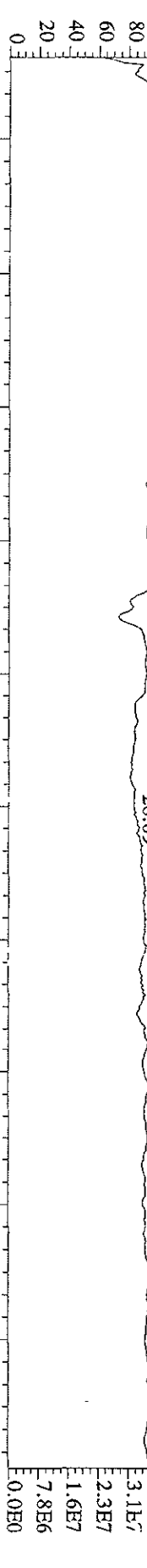
File:16MR09A9D5 #1-394 Acq:17-MAR-2009 05:40:31 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#13 Text:K7N8D-1-AA :G9B250206-4 (10X) Exp:209DB5  
 439.8038 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,48,0,0.00%,F,T)  
 A1.16E7



441.8008 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,36,0,0.00%,F,T)  
 A1.21E7



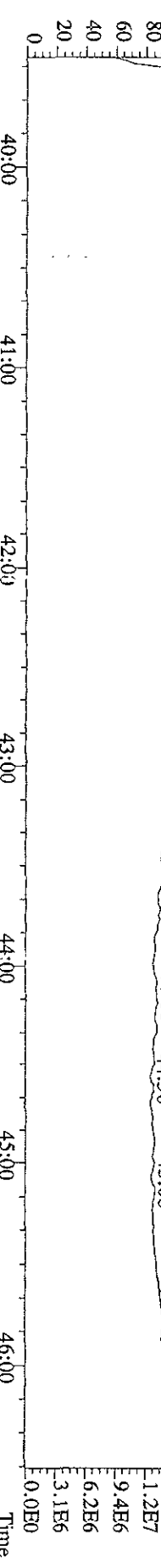
380.9760 S:13 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 23:17 24:11 25:16 26:19 26:59 28:09 28:51 30:07 31:04 32:13



380.9760 S:13 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 33:21 33:46 34:10 34:48 35:31 35:56 36:36 36:59 37:32 37:55 38:16 38:49



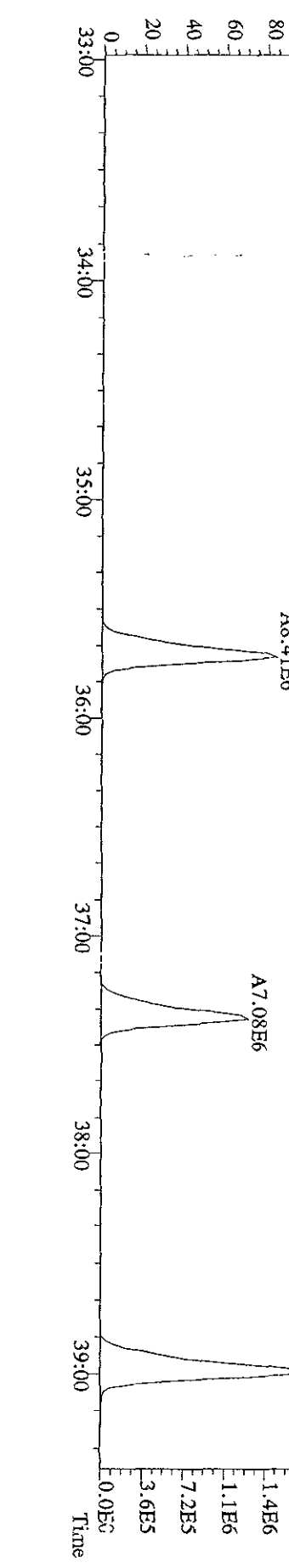
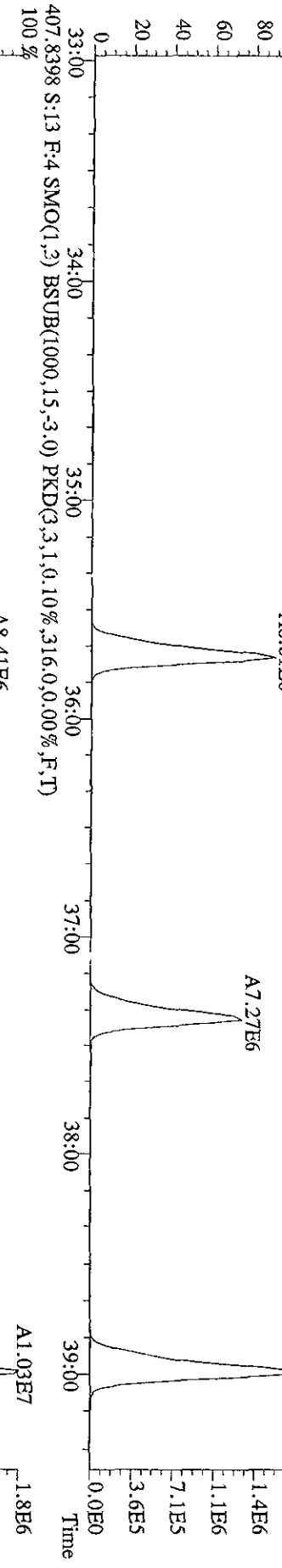
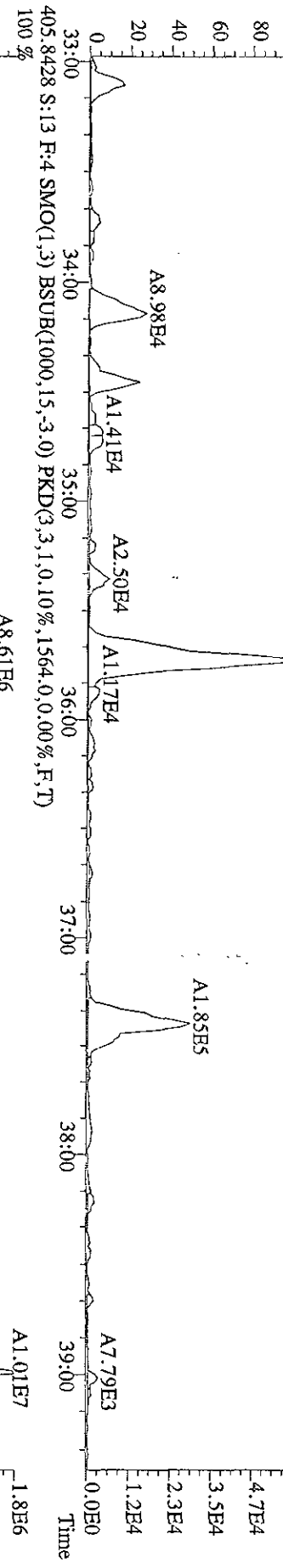
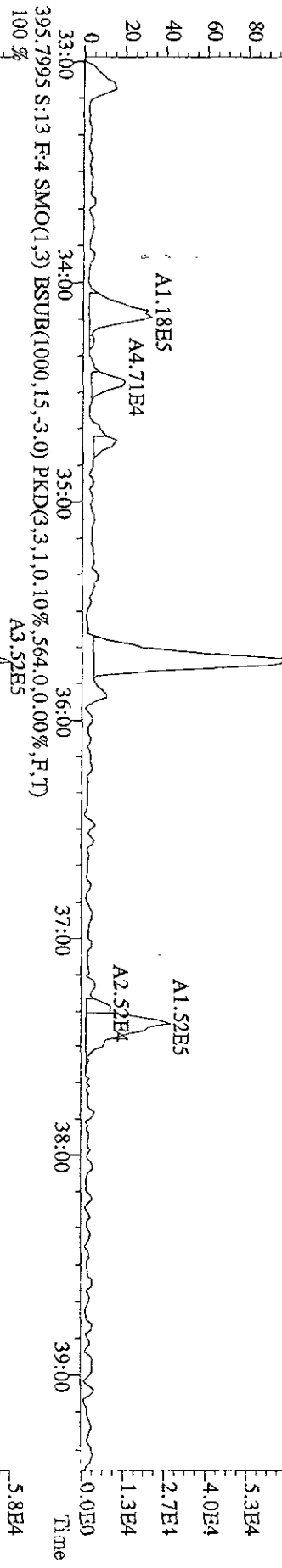
480.9696 S:13 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 39:52 40:18 40:47 41:18 41:53 42:36 43:00 43:22 44:11 44:36 45:08 45:47 46:14



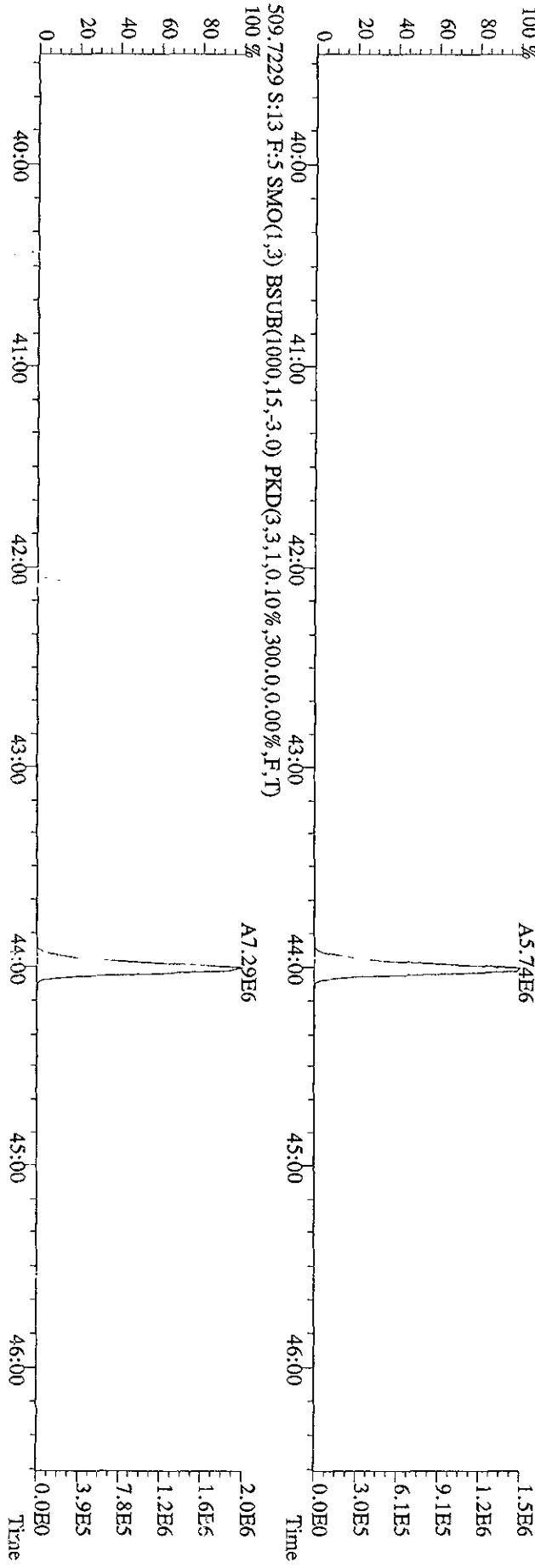
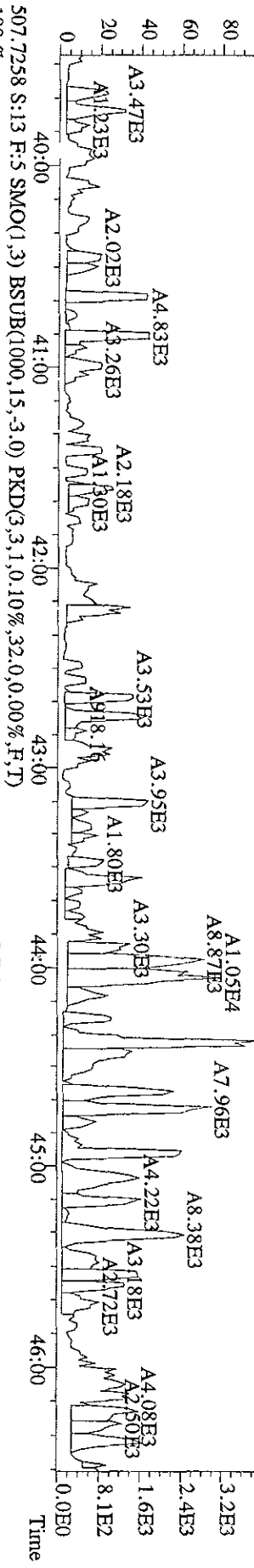
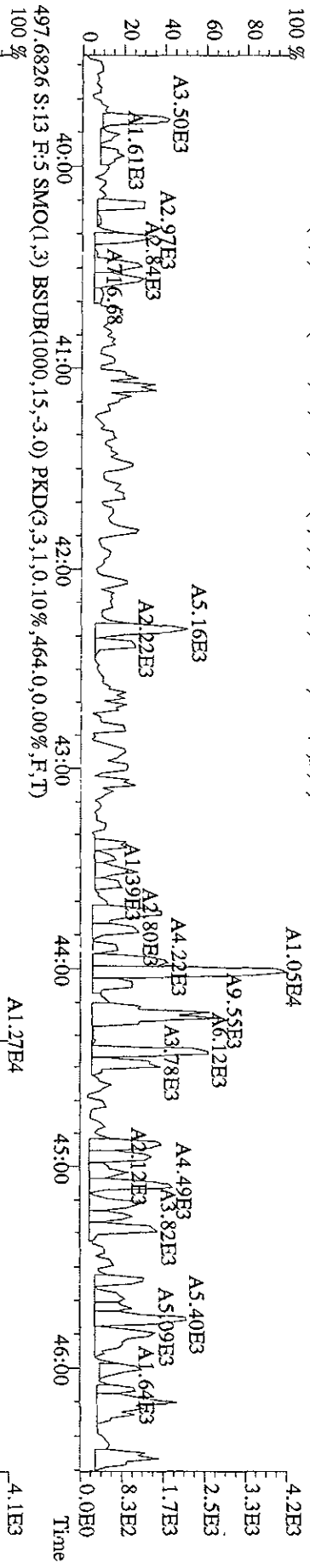




File: 16MR09A9D5 #1-394 Acq: 17-MAR-2009 05:40:31 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#13 Text: K7N8D-1-AA : G9B250206-4 (10X) Exp: 209DB5  
 395.8025 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3164,0,0.00%,F,T) A3.52E5  
 100%



File:16MR09A9D5 #1-469 Acq:17-MAR-2009 05:40:31 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#13 Text:K7N8D-1-AA :G9B250206-4 (10X) Exp:209DB5  
 495.6856 S:13 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,604,0,0,00%,F,T)



## Daily Calibration Checklist Methods 1668 and 1614

Method ID 1668 (MSL+DEC)

Associated ICAL KCSB MSL DEC 015099D5

Column ID DB-5

Instrument ID 9D5

STD ID ST0305C

STD Solution 09DIN016

Analyzed by KAS, AM

Date Analyzed 3/5/09<sup>6 3119/09</sup>

Std. Pkg. By KAS

Date Std. Pkg. Assembled 3/9/09

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 3/19/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\* **Method 1668A(PCBs):** ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

**Method 1614 (DBDs/DBFs):** ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* **Method 1668A (PCBs):** resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

**Method 1614 (DBDs/DBFs):** a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0305C File text: ST0305C :CS3 09DXN016  
 Run #33 Filename 05MR099D5 S: 33 I: 1  
 Acquired: 6-MAR-09 13:09:06 Processed: 6-MAR-09 17:16:09  
 Run: 05MR099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 05MR099D51668MSLDEC

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	344456000	0.67 y	25:28	-	100.00	-	n
13C-TCB-81	372128000	0.80 y	27:00	1.08	100.00	14.0	n
TCB-81	234106000	0.81 y	27:01	1.26	50.00	-1.6	n
13C-TCB-77	387571000	0.83 y	27:35	1.13	100.00	14.5	n
TCB-77	221154900	0.81 y	27:36	1.14	50.00	3.4	n
13C-PeCB-123	308799000	0.66 y	28:58	0.90	100.00	2.9	n
PeCB-123	275170000	0.61 y	28:59	1.78	50.00	18.1	n
13C-PeCB-118	333008000	0.67 y	29:05	0.97	100.00	-1.8	n
PeCB-118/106	271999000	0.62 y	29:07	1.63	50.00	6.9	n
13C-PeCB-114	340979000	0.66 y	29:45	0.99	100.00	2.4	n
PeCB-114	304895000	0.62 y	29:46	1.79	50.00	12.8	n
13C-PeCB-105	325447000	0.66 y	30:37	0.94	100.00	5.3	n
PeCB-105/127	258823900	0.62 y	30:38	1.59	50.00	11.8	n
13C-PeCB-126	355905000	0.66 y	32:31	1.03	100.00	13.4	n
PeCB-126	238016200	0.61 y	32:31	1.34	50.00	14.0	n
13C-OcCB-202	367151000	0.95 y	34:49	-	100.00	-	n
13C-HxCB-167	402369000	1.25 y	33:38	1.10	100.00	30.2	n
HxCB-167	195021700	1.37 y	33:38	0.97	50.00	-17.1	y ✓
13C-HxCB-156	338674000	1.27 y	34:56	0.92	100.00	37.6	n
HxCB-156	244883000	1.26 y	34:57	1.45	50.00	-0.4	n
13C-HxCB-157	353878000	1.26 y	35:15	0.96	100.00	36.4	n
HxCB-157	250482000	1.26 y	35:17	1.42	50.00	-2.1	n
13C-HxCB-169	389132000	1.25 y	37:04	1.06	100.00	44.5	n
HxCB-169	195901300	1.26 y	37:05	1.01	50.00	1.8	n
13C-HpCB-180	299671000	1.02 y	35:53	0.82	100.00	39.6	n
HpCB-180	184966000	1.07 y	35:55	1.23	50.00	-2.4	n
13C-HpCB-170	248200000	1.04 y	37:33	0.68	100.00	42.5	n
HpCB-170/190	191931500	1.08 y	37:35	1.55	50.00	-3.7	n
13C-HpCB-189	330678000	1.01 y	39:10	0.90	100.00	50.5	n ✓ 04/03/09
HpCB-189	200036800	1.07 y	39:11	1.21	50.00	0.3	n
13C-DeCB-209	193386300	0.75 y	44:08	0.53	100.00	14.5	n
DECB-209	153804800	0.72 y	44:08	1.59	50.00	5.7	n
13C-PeCB-111	422650000	0.66 y	26:54	1.29	100.00	-4.7	n

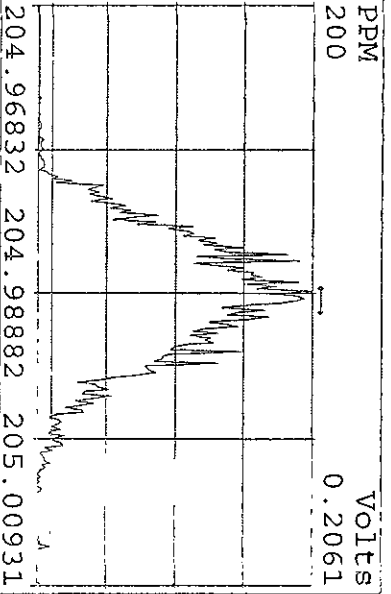
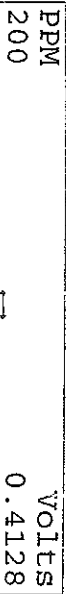
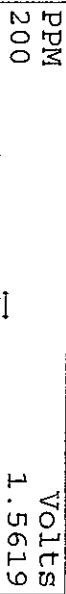
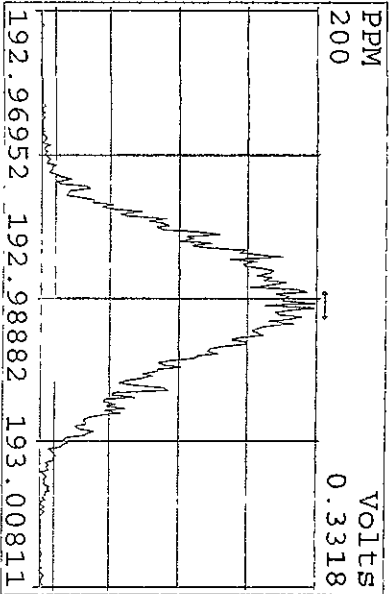
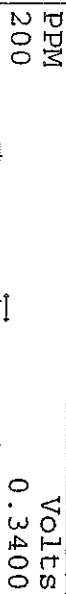
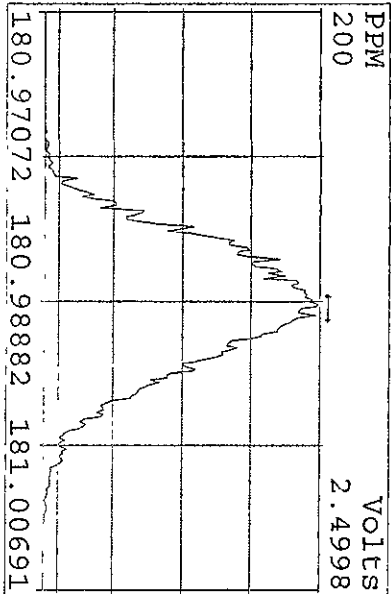
Run text: ST0305C File text: ST0305C :CS3 09DXN016  
 Run #43 Filename 05MR099D5 S: 33 I: 1  
 Acquired: 6-MAR-09 13:09:06 Processed: 19-MAR-09 09:27:14  
 Run: 05MR099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 05MR099D51668MSLDEC

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	344456496	0.67 y	25:28	-	100.00	-	n
13C-TCB-81	372127376	0.80 y	27:00	1.08	100.00	14.0	n
TCB-81	234106096	0.81 y	27:01	1.26	50.00	-1.6	n
13C-TCB-77	387571824	0.83 y	27:35	1.13	100.00	14.5	n
TCB-77	221155152	0.81 y	27:36	1.14	50.00	3.4	n
13C-PeCB-123	308798904	0.66 y	28:58	0.90	100.00	2.9	n
PeCB-123	275170312	0.61 y	28:59	1.78	50.00	18.1	n
13C-PeCB-118	333008032	0.67 y	29:05	0.97	100.00	-1.8	n
PeCB-118/106	271998600	0.62 y	29:07	1.63	50.00	6.9	n
13C-PeCB-114	340978608	0.66 y	29:45	0.99	100.00	2.4	n
PeCB-114	304894728	0.62 y	29:46	1.79	50.00	12.8	n
13C-PeCB-105	325447368	0.66 y	30:37	0.94	100.00	5.3	n
PeCB-105/127	258823920	0.62 y	30:38	1.59	50.00	11.8	n
13C-PeCB-126	355905184	0.66 y	32:31	1.03	100.00	13.4	n
PeCB-126	238015800	0.61 y	32:31	1.34	50.00	14.0	n
13C-OcCB-202	367150688	0.95 y	34:49	-	100.00	-	n
13C-HxCB-167	402368784	1.25 y	33:38	1.10	100.00	30.2	n
HxCB-167	423403744	1.25 y	33:38	2.10	50.00	80.1	n
13C-HxCB-156	338673616	1.27 y	34:56	0.92	100.00	37.6	n
HxCB-156	244882688	1.26 y	34:57	1.45	50.00	-0.4	n
13C-HxCB-157	353878048	1.26 y	35:15	0.96	100.00	36.4	n
HxCB-157	250482136	1.26 y	35:17	1.42	50.00	-2.1	n
13C-HxCB-169	389132352	1.25 y	37:04	1.06	100.00	44.5	n
HxCB-169	195901552	1.26 y	37:05	1.01	50.00	1.8	n
13C-HpCB-180	299671024	1.02 y	35:53	0.82	100.00	39.6	n
HpCB-180	184966016	1.07 y	35:55	1.23	50.00	-2.4	n
13C-HpCB-170	248200688	1.04 y	37:33	0.68	100.00	42.5	n
HpCB-170/190	191931528	1.08 y	37:35	1.55	50.00	-3.7	n
13C-HpCB-189	330678656	1.01 y	39:10	0.90	100.00	50.5	n
HpCB-189	200036712	1.07 y	39:11	1.21	50.00	0.3	n
13C-DeCB-209	193386376	0.75 y	44:08	0.53	100.00	14.5	n
DECB-209	153804736	0.72 y	44:08	1.59	50.00	5.7	n
13C-PeCB-111	422649968	0.66 y	26:54	1.29	100.00	-4.7	n

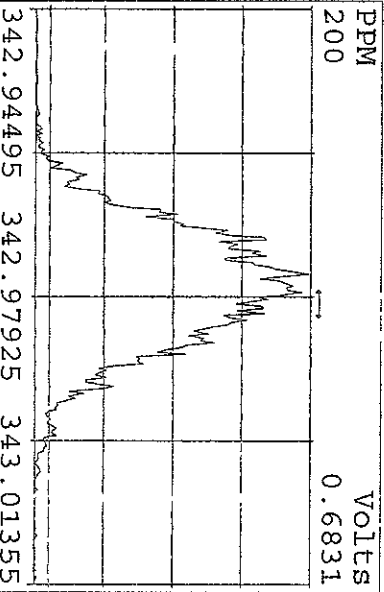
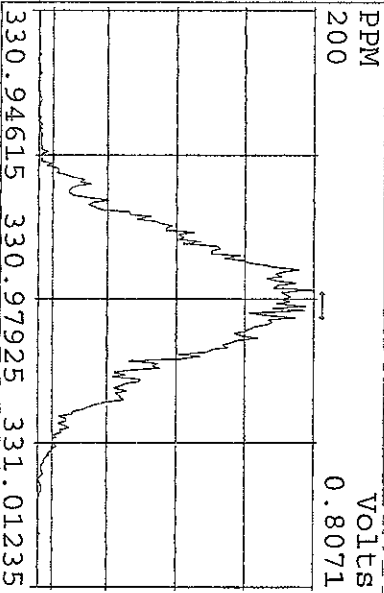
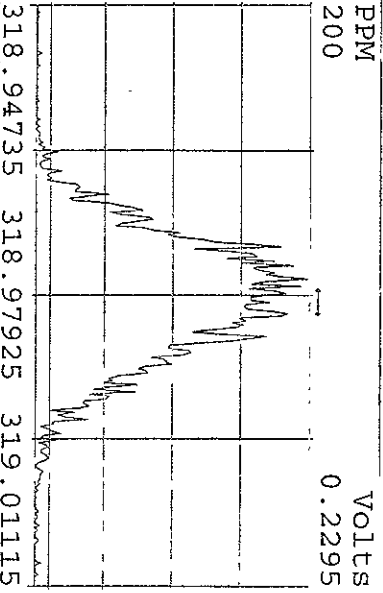
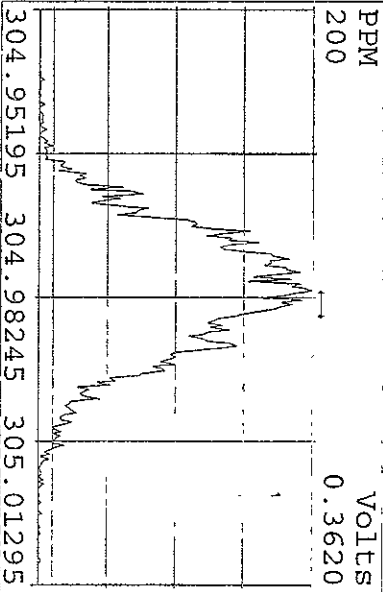
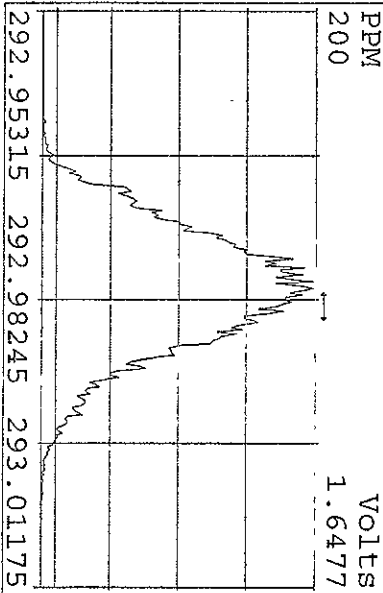
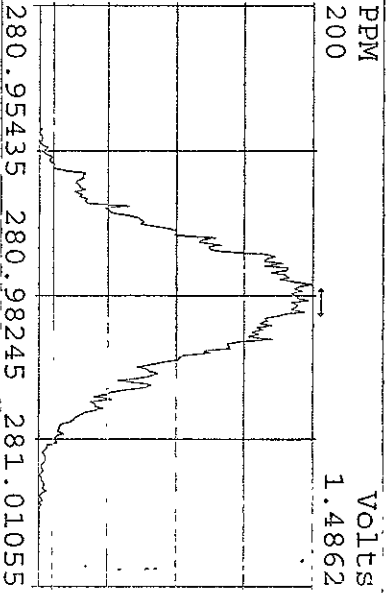
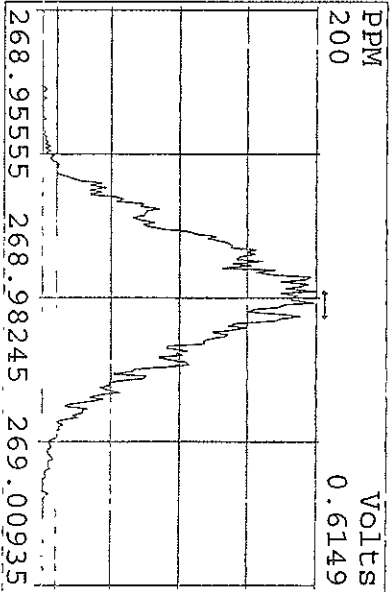
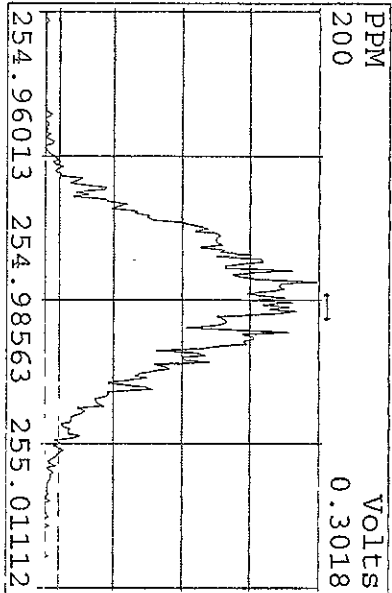
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05MR099D5	2	SB0305	Solvent Blank C-12				1.00000	
05MR099D5	3	K7HG6-1-AC	G9B200000-336C	20	1668/SOLID	90	10.00000	g
05MR099D5	4	K7HG6-1-AA	G9B200000-336B	20	1668/SOLID		10.00000	g
05MR099D5	5	K64AP-1-C2	F9B120113-2	20	1668/SOLID		10.00000	g
05MR099D5	6	K64AP-1-E6	F9B120113-2S	20	1668/SOLID		10.03000	g
05MR099D5	7	K64AP-1-E7	F9B120113-2D	20	1668/SOLID		10.06500	g
05MR099D5	8	K64AW-1-CD	F9B120113-5	20	1668/SOLID		10.00000	g
05MR099D5	9	K64A1-1-CD	F9B120113-8	20	1668/SOLID		10.03000	g
05MR099D5	10	K64CD-1-CD	F9B120113-18	20	1668/SOLID		10.05500	g
05MR099D5	11	K6722-1-C2	F9B140120-1	20	1668/SOLID		10.00000	g
05MR099D5	12	K6729-1-CD	F9B140120-5	20	1668/SOLID		10.04000	g
05MR099D5	13	K673A-1-CD	F9B140120-6	20	1668/SOLID		10.05000	g
05MR099D5	14	K673A-1-E9	F9B140120-6S	20	1668/SOLID		10.02000	g
05MR099D5	15	K66JW-1-CD	F9B130146-10	20	1668/SOLID		10.05000	g
05MR099D5	16	SB0305A	Solvent Blank C-12				1.00000	
05MR099D5	17	ST0305A	209PCB 3249-47				1.00000	
05MR099D5	18	ST0305B	CS3 09DXN016				1.00000	
05MR099D5	19	SB0305B	Solvent Blank C-12				1.00000	
05MR099D5	20	K673A-1-FA	F9B140120-6D	20	1668/SOLID	90	10.06000	g
05MR099D5	21	K673N-1-CD	F9B140120-14	20	1668/SOLID		10.09000	g
05MR099D5	22	K673Q-1-CD	F9B140120-15	20	1668/SOLID		10.05000	g
05MR099D5	23	K7FKG-1-AE	G9B190281-1	20	1668A/SOLID	96	2.06000	g
05MR099D5	24	K7FKG-1-AK	G9B190281-1S	20	1668A/SOLID		2.08000	g
05MR099D5	25	K7FKG-1-AL	G9B190281-1D	20	1668A/SOLID		2.01000	g
05MR099D5	26	K7W6P-1-AA	G9C020000-239B	20	1668/SOLID	98	10.00000	g
05MR099D5	27	K7W6P-1-AC	G9C020000-239C	20	1668/SOLID		10.00000	g
05MR099D5	28	K68LP-1-AC	G9B140191-1	20	1668/SOLID		10.10000	g
05MR099D5	29	K68LQ-1-AC	G9B140191-2	20	1668/SOLID		10.03000	g
05MR099D5	30	K68LR-1-AC	G9B140191-3	20	1668/SOLID		10.13000	g
05MR099D5	31	K7N74-1-AA	G9B250206-1	20	1668/AIR	98	0.50000	Sam
05MR099D5	32	SB0305C	Solvent Blank C-12				1.00000	
05MR099D5	33	ST0305C	CS3 09DXN016				1.00000	
05MR099D5	34	SB0305D	Solvent Blank C-12				1.00000	
05MR099D5	35	K7WH9-1-AA	G9B280000-81B	20	1668/AIR	98	0.50000	Sam
05MR099D5	36	K7WH9-1-AC	G9B280000-81C	20	1668/AIR		0.50000	Sam
05MR099D5	37	K7N8A-1-AA	G9B250206-2	20	1668/AIR		0.50000	Sam
05MR099D5	38	K7N8C-1-AA	G9B250206-3	20	1668/AIR		0.50000	Sam
05MR099D5	39	K7N8D-1-AA	G9B250206-4	20	1668/AIR		0.50000	Sam
05MR099D5	40						1.00000	
05MR099D5	41						1.00000	
05MR099D5	42						1.00000	
05MR099D5	43						1.00000	
05MR099D5	44						1.00000	
05MR099D5	45		KAS, AM 03-05-09				1.00000	
05MR099D5	46						1.00000	

log file checked  
3-06-09 am

Peak Locate Examination: 5-MAR-2009:08:57 File:05MR099D5  
 Experiment:209DB5 Function:1 Reference:PFK

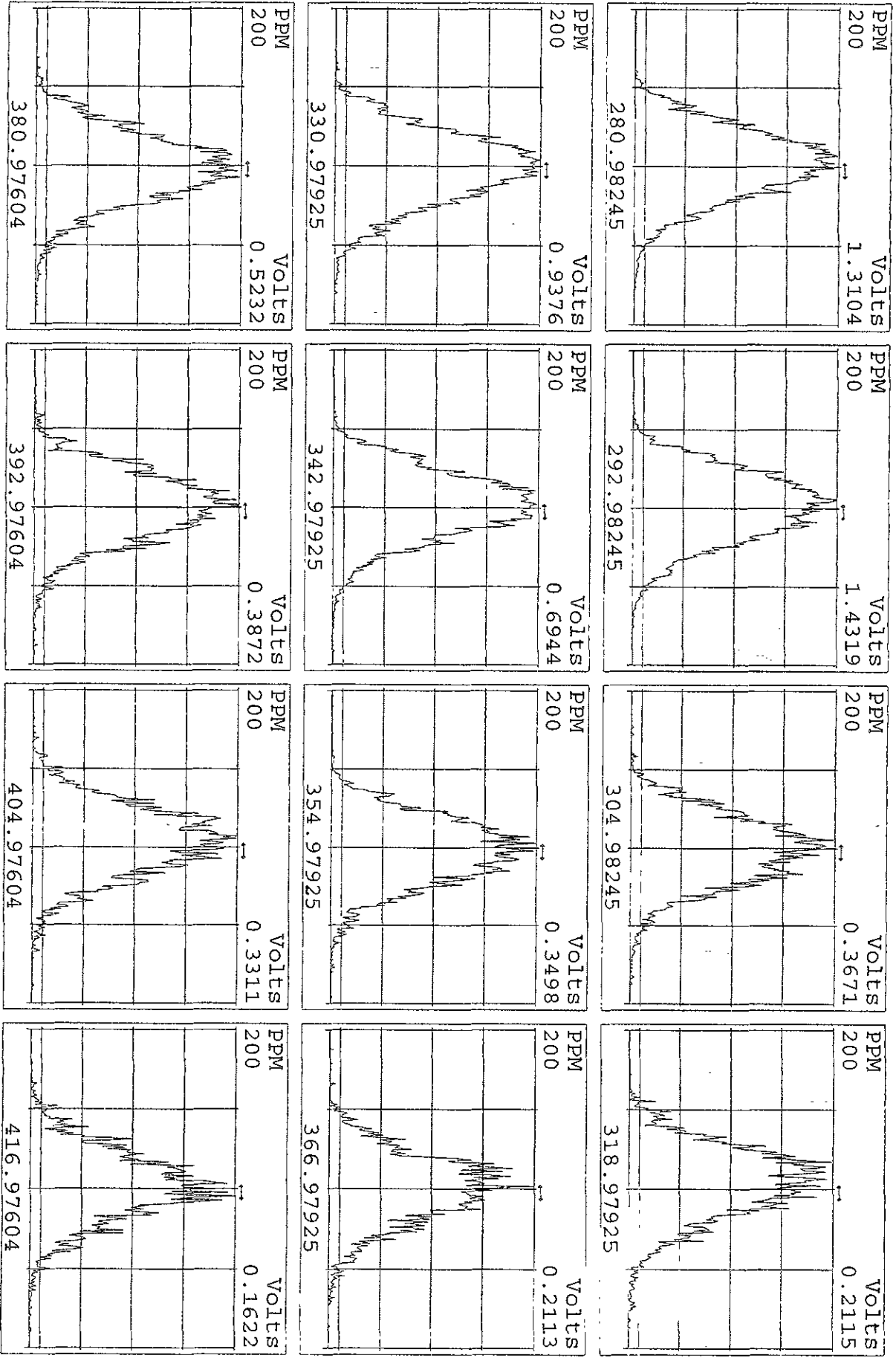


Peak Locate Examination: 5-MAR-2009:08:57 File:05MR099D5  
 Experiment:209DB5 Function:2 Reference:PFK

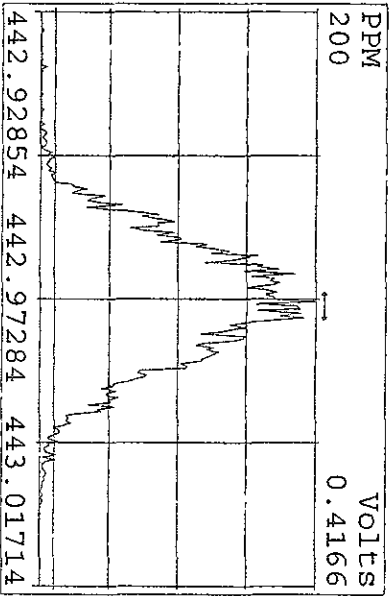
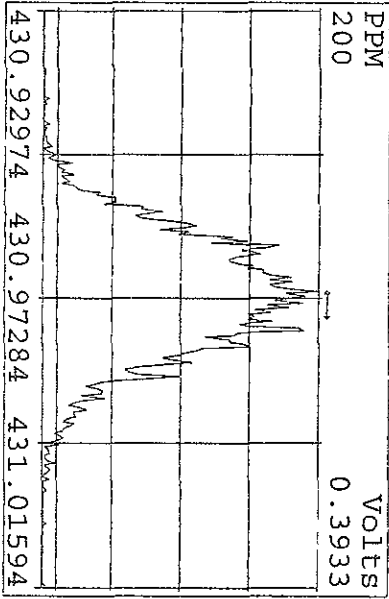
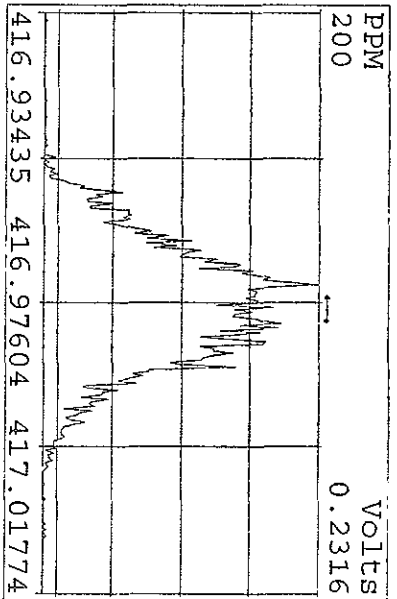
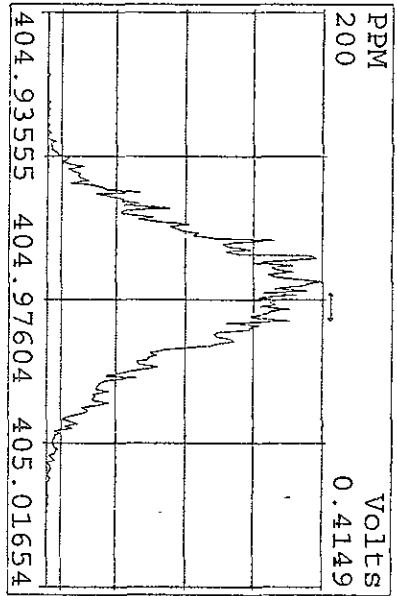
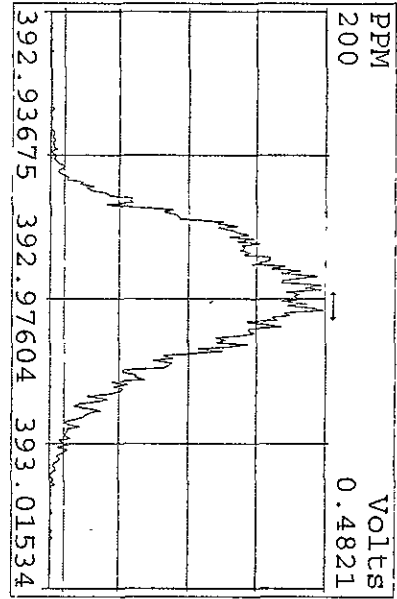
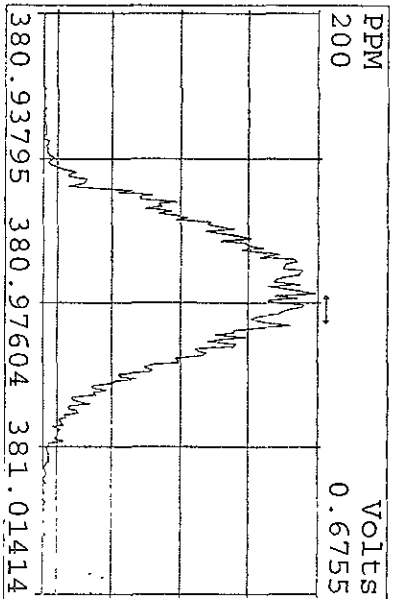
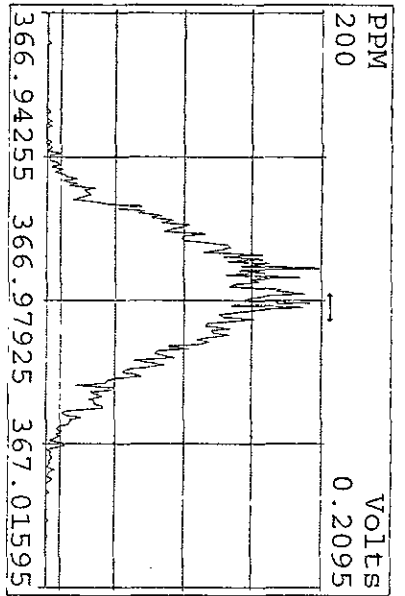
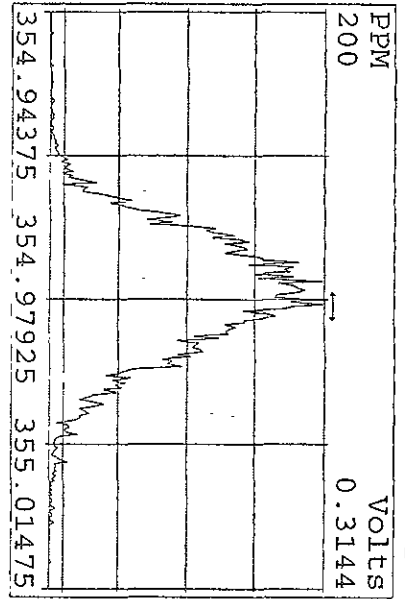




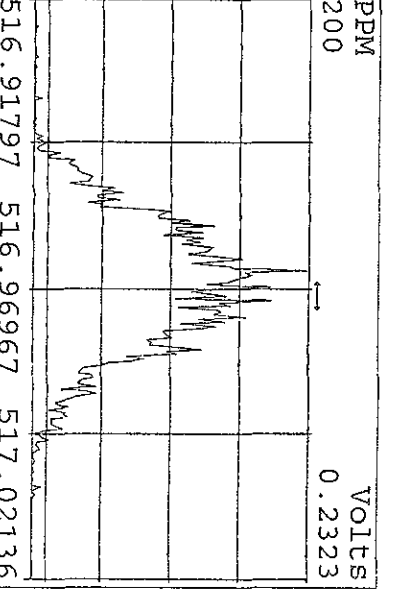
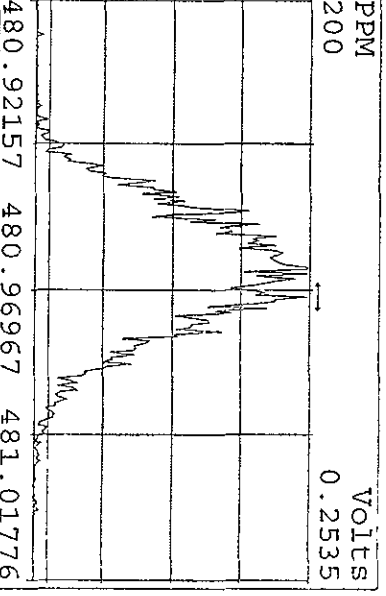
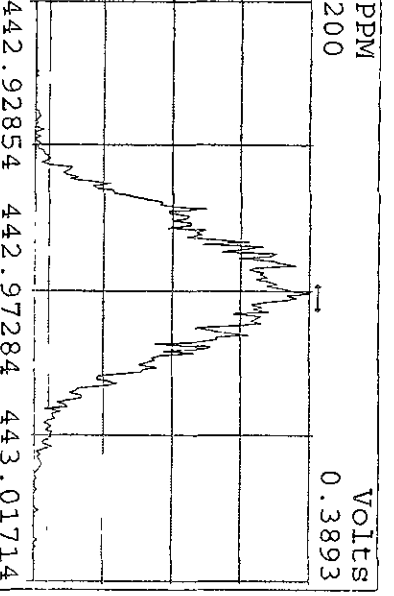
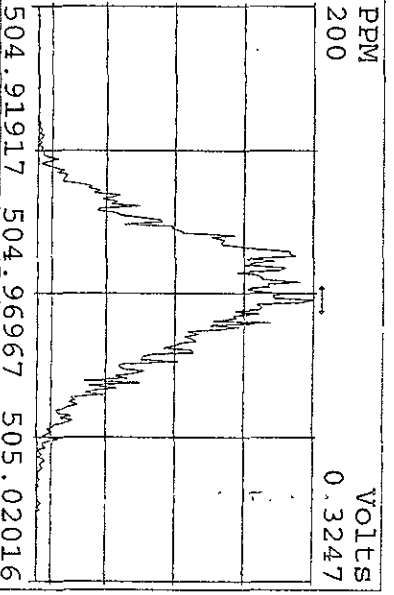
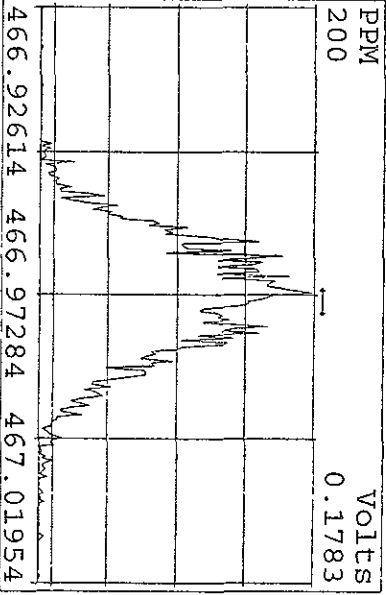
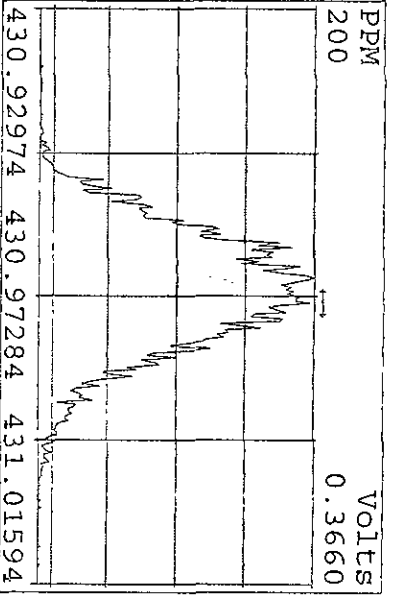
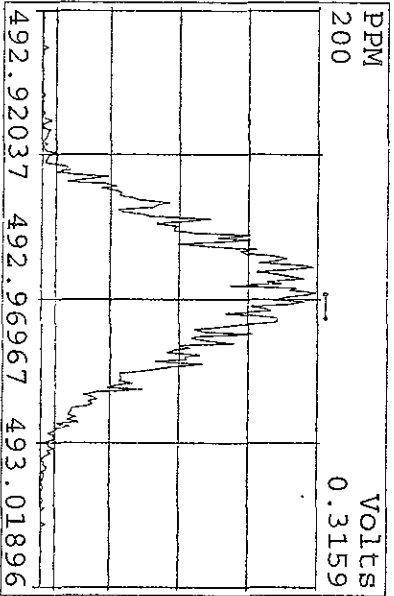
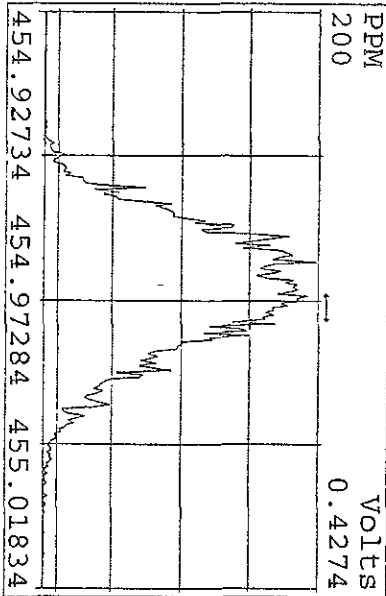
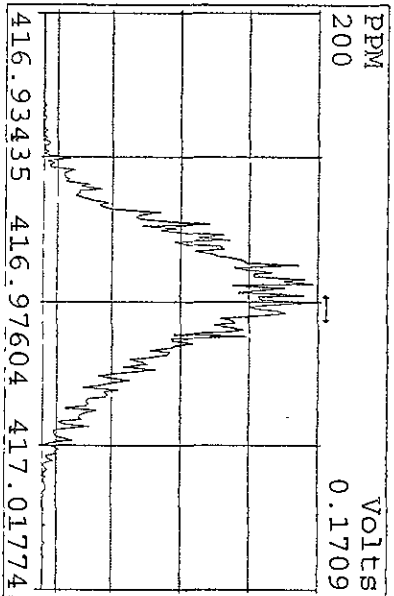
Peak Locate Examination: 5-MAR-2009:08:57 File:05MR099D5  
Experiment:209DB5 Function:3 Reference:PK



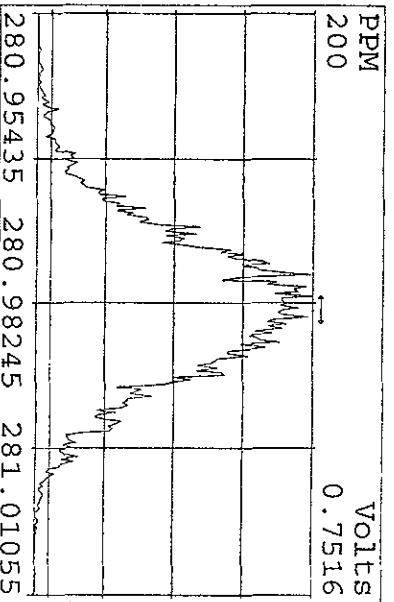
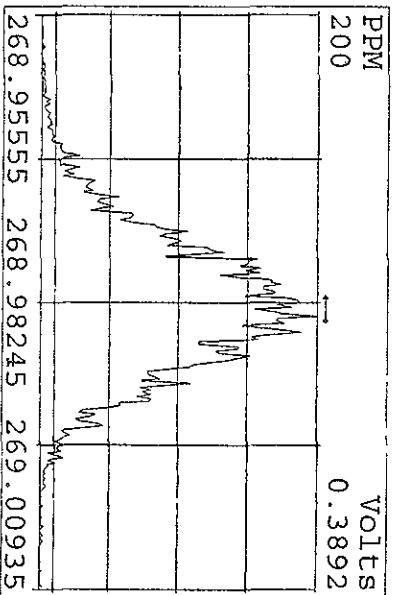
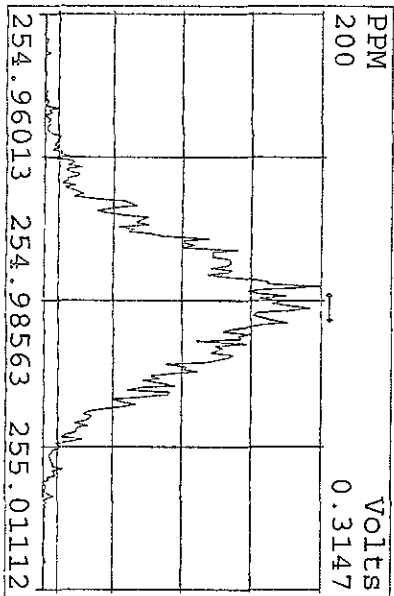
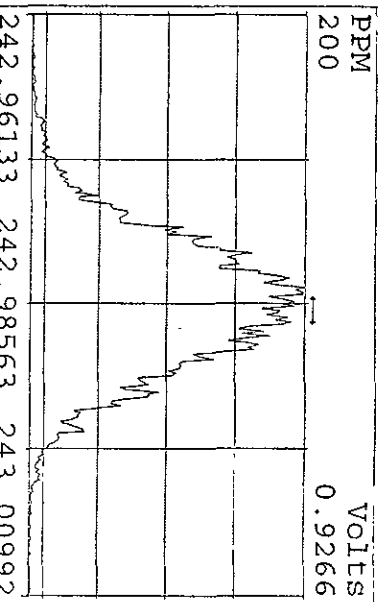
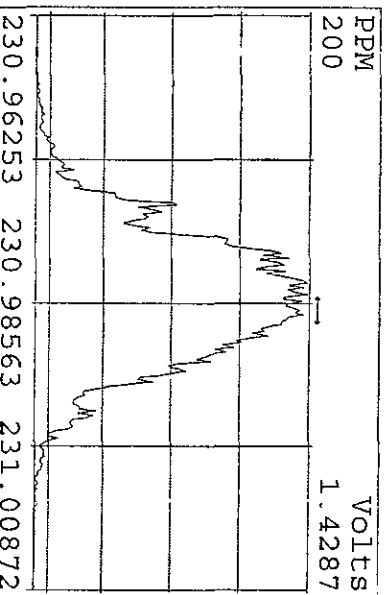
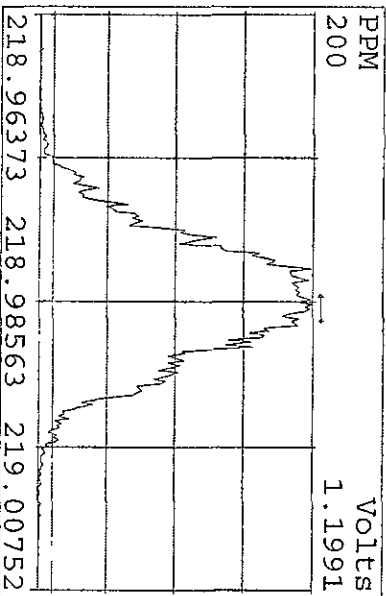
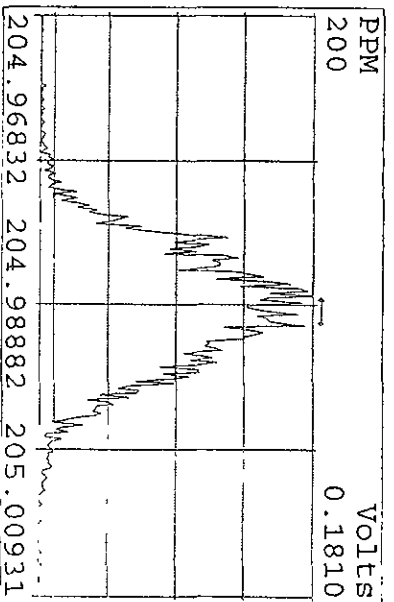
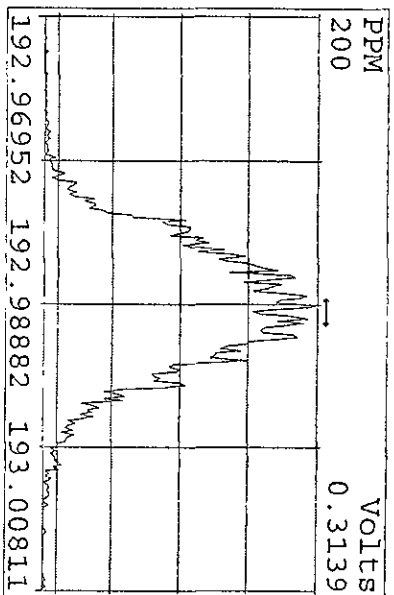
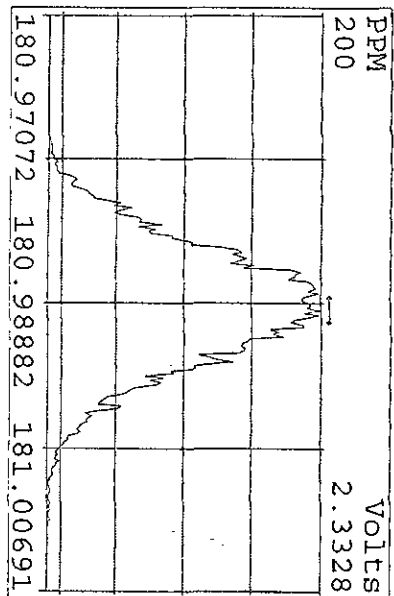
Peak Locate Examination: 5-MAR-2009:08:58 File:05MR099D5  
 Experiment:209DB5 Function:4 Reference:PFK



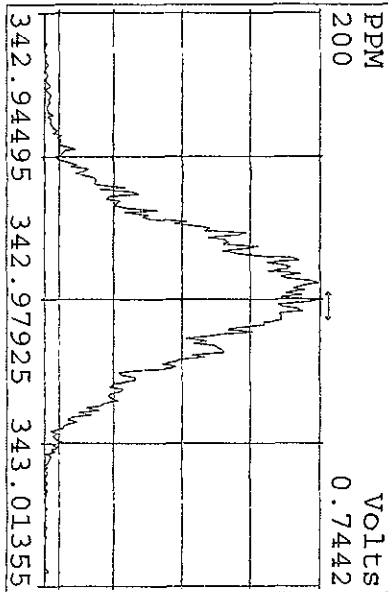
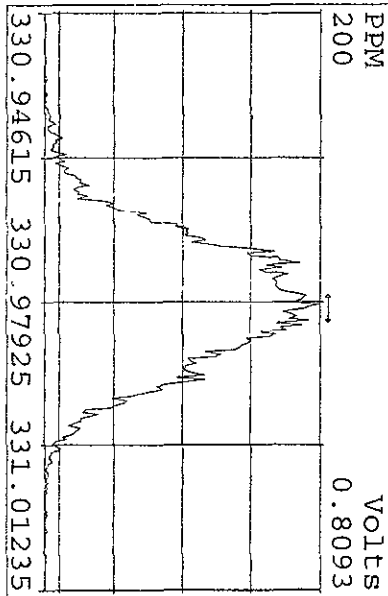
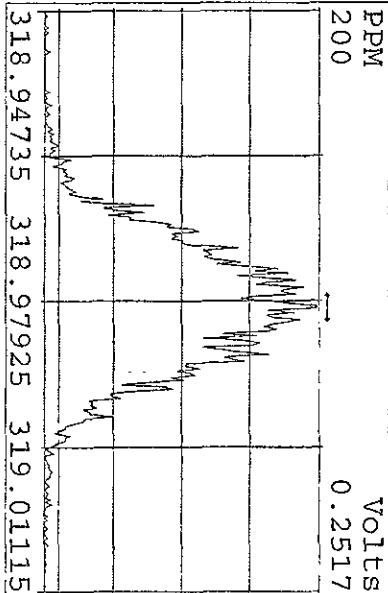
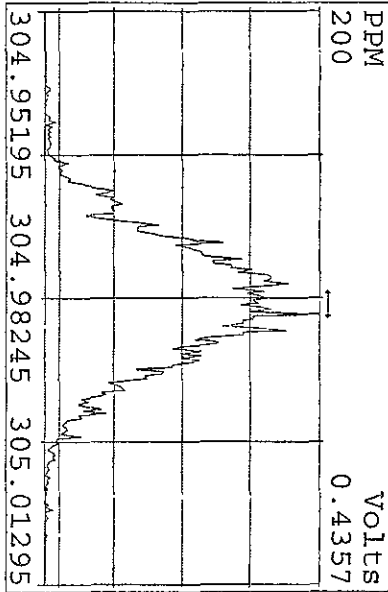
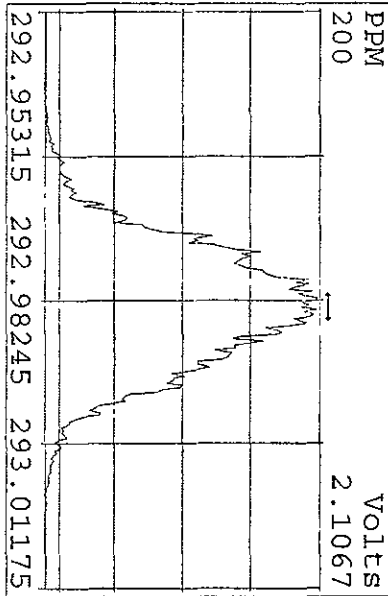
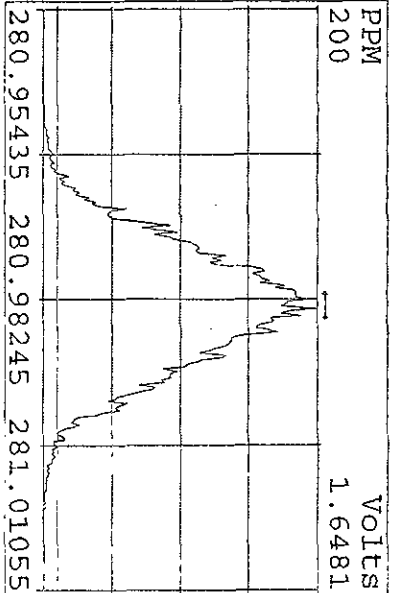
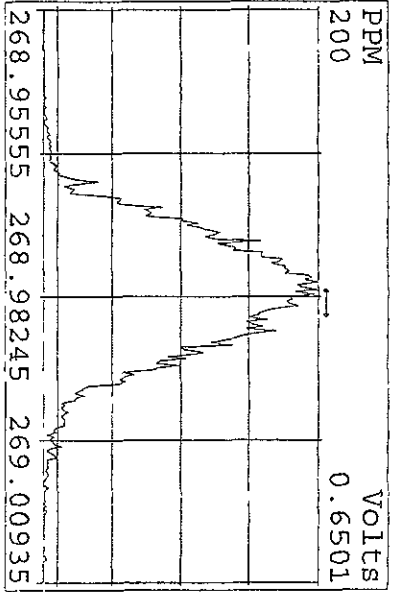
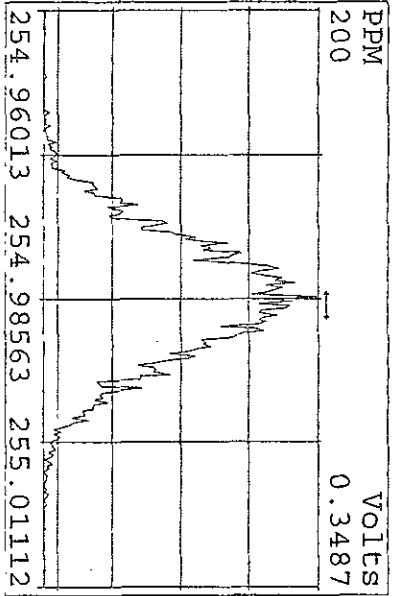
Peak Locate Examination: 5-MAR-2009:08:58 File:05MR099D5  
 Experiment:209DB5 Function:5 Reference:PFK



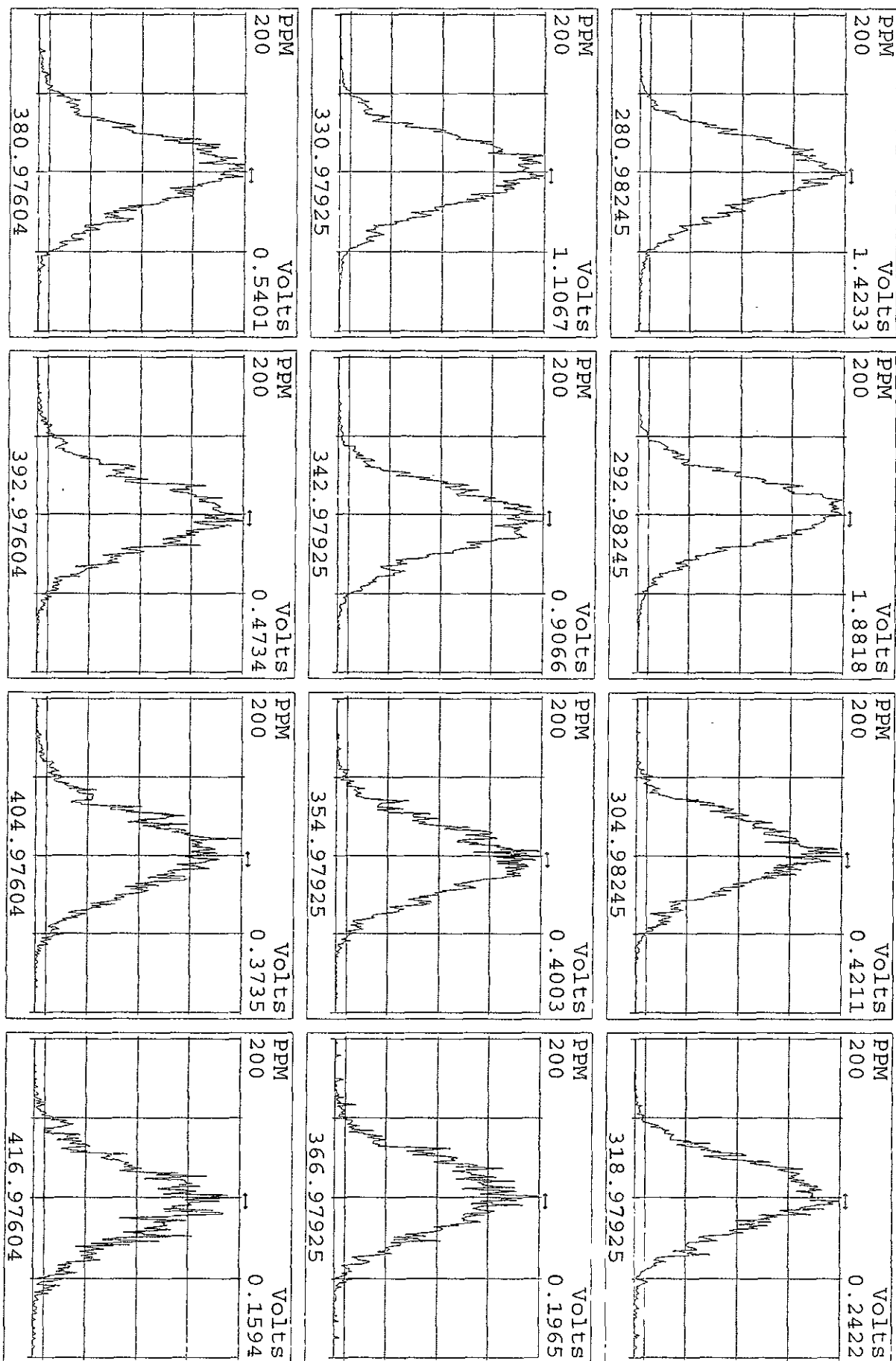
Peak Locate Examination: 6-MAR-2009:19:58 File:RESCHK05MR099D5  
 Experiment:209DB5 Function:1 Reference:PFK



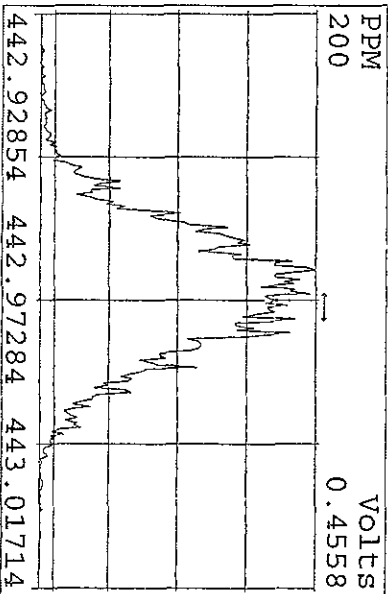
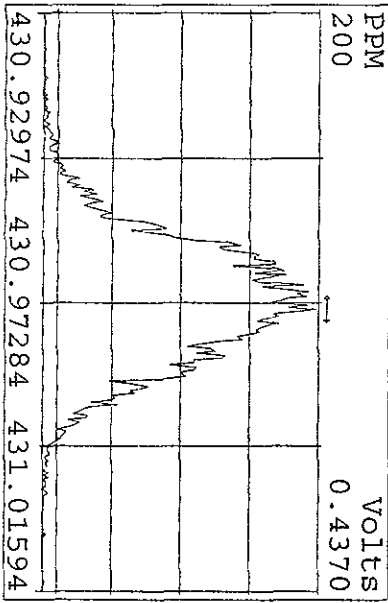
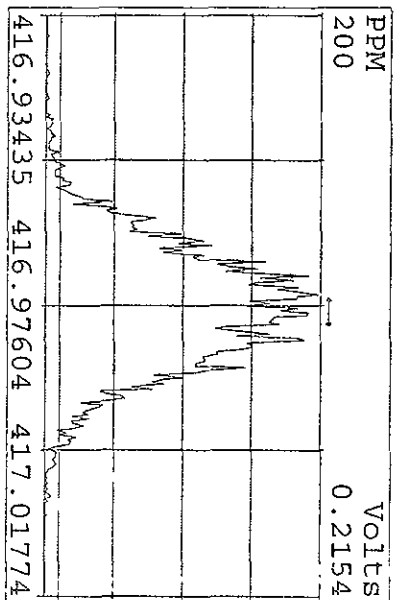
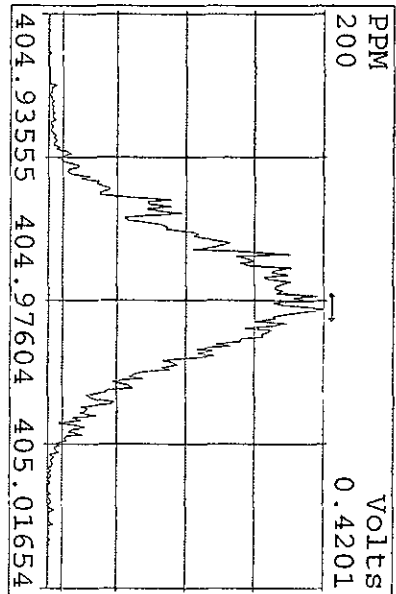
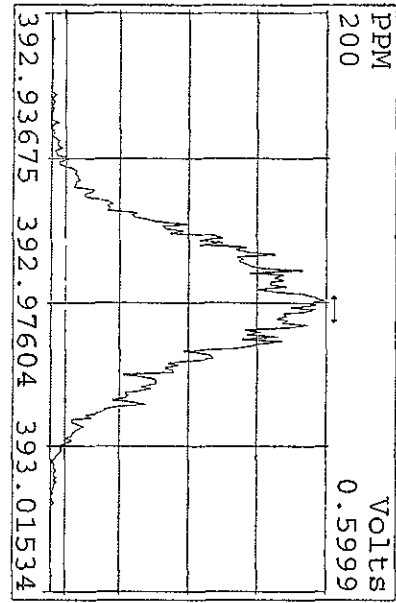
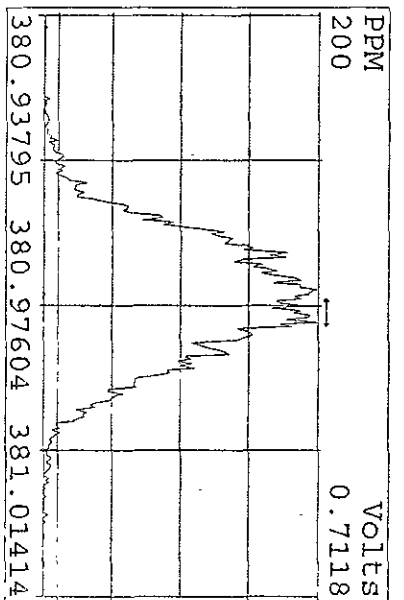
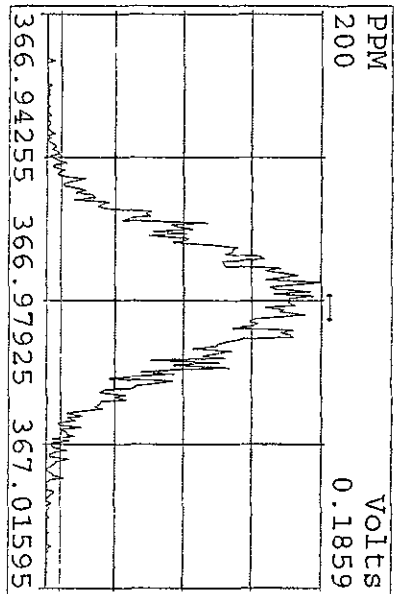
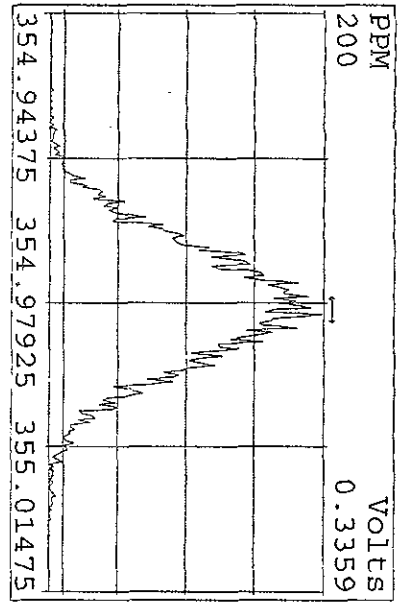
Peak Locate Examination: 6-MAR-2009:20:00 File:RESCHK05MR099D5  
 Experiment:209DB5 Function:2 Reference:PFK



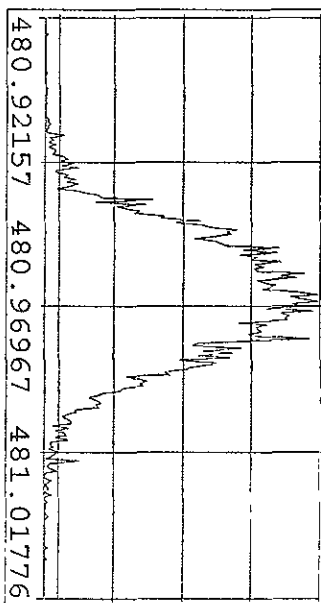
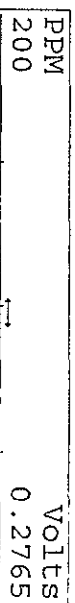
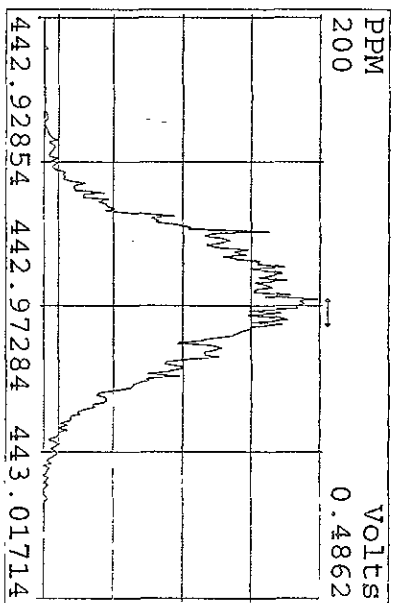
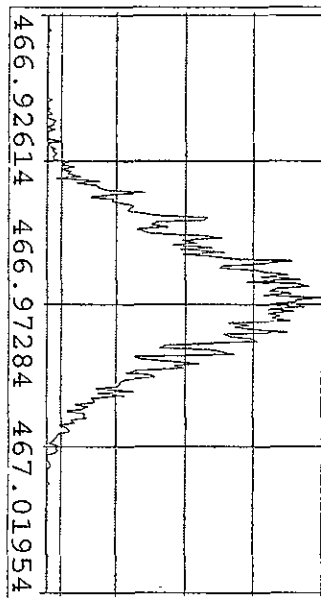
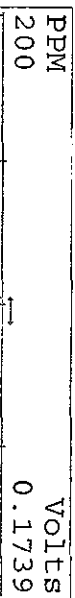
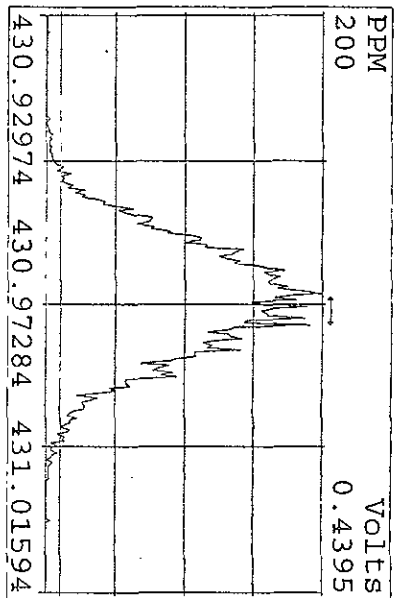
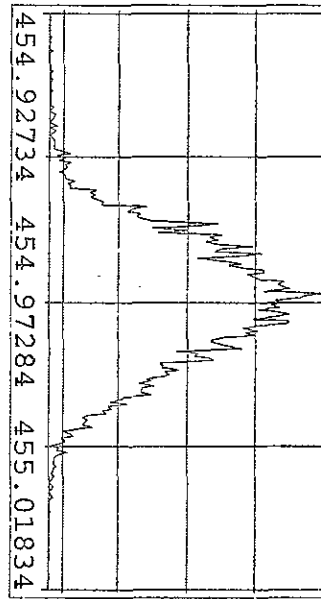
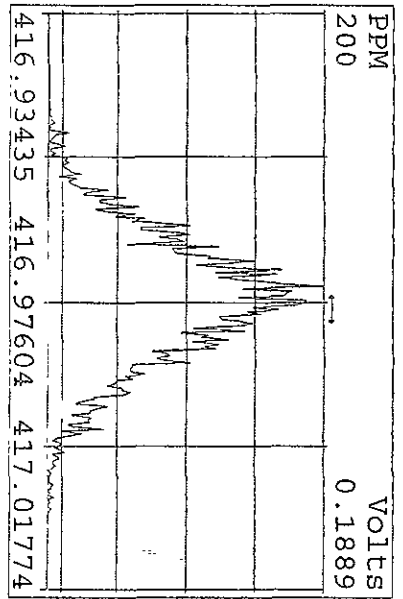
Peak Locate Examination: 6-MAR-2009:20:01 File: RESCHK05MR099D5  
Experiment: 209DB5 Function: 3 Reference: PFX



Peak Locate Examination: 6-MAR-2009:20:03 File:RESCHK05MR099D5  
 Experiment:209DB5 Function:4 Reference:PRK

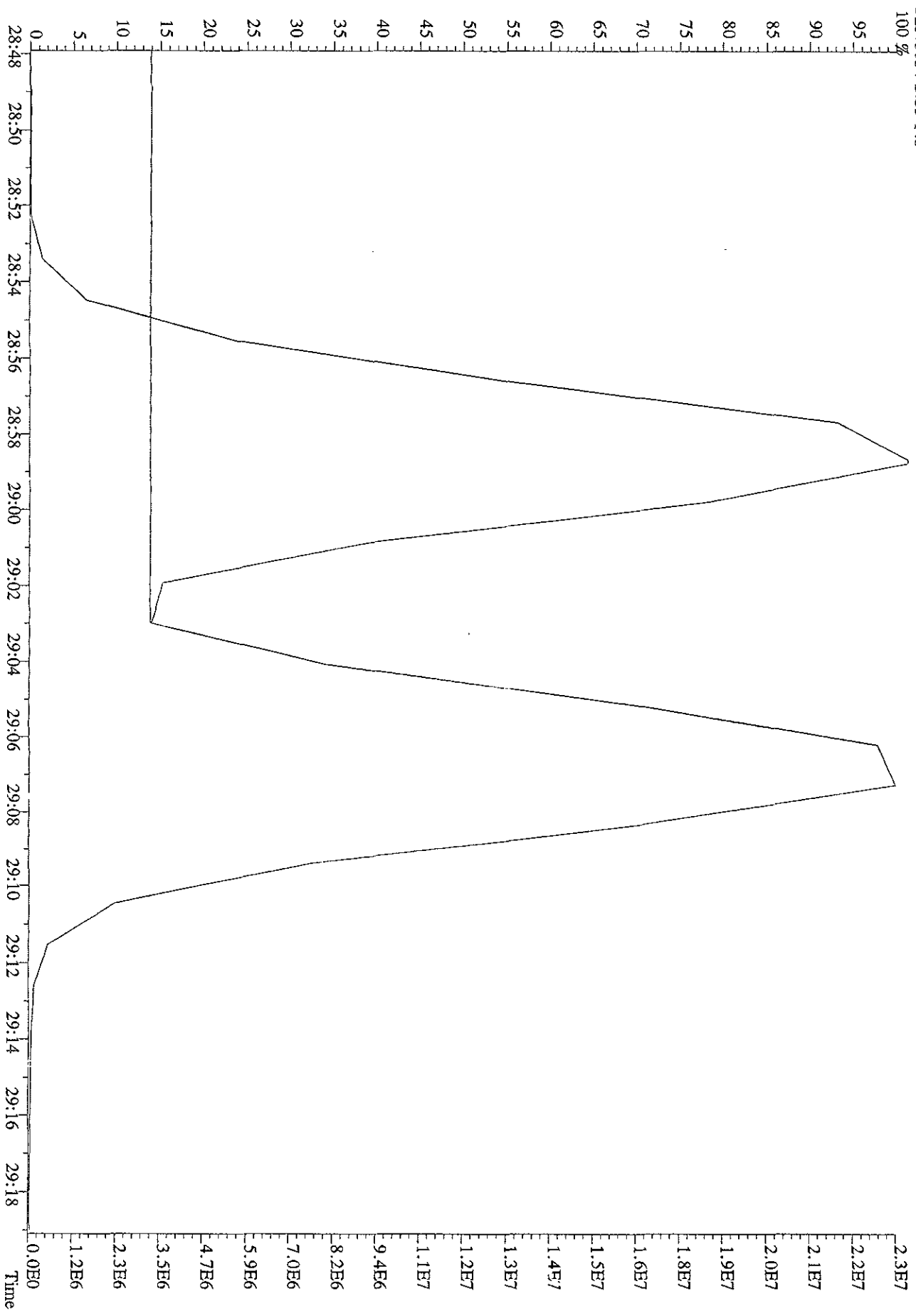


Peak Locate Examination: 6-MAR-2009:20:03 File:RESCHK05MR099D5  
 Experiment:209DB5 Function:5 Reference:PRK





File:05MR099D5 #1-598 Acq: 6-MAR-2009 13:09:06 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#33 Text:ST0305C :CS3 09DXN016 Exp:209DB5  
 323 8834 S:33 F:3



Run: 05MR099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

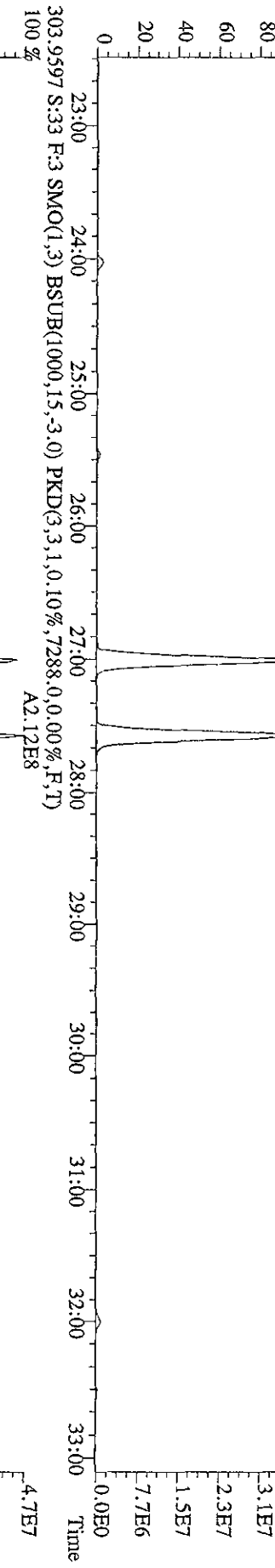
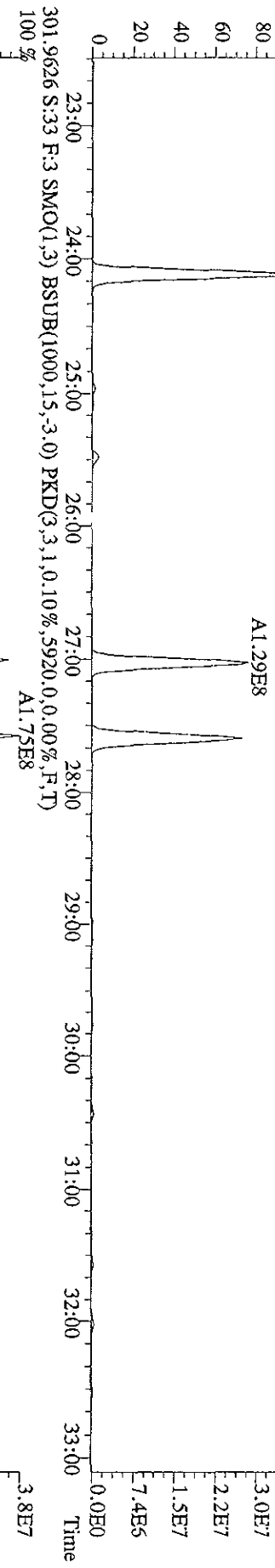
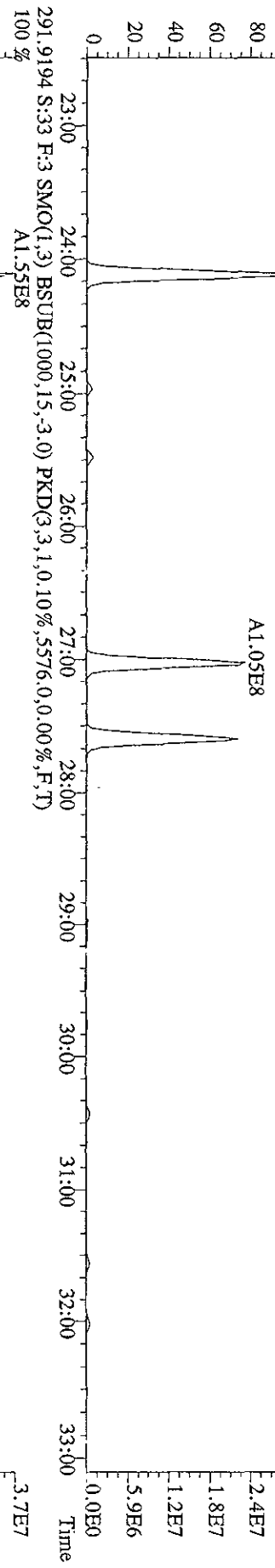
ST0115 : CS1 09DXN014 ST0115A : CS2 09DXN015 ST0115B : CS3 09DXN016  
 ST0115C : CS4 09DXN017 ST0115D : CS5 09DXN018

15JA099D515JA099D515JA099D515JA099D515JA099D515JA099D5

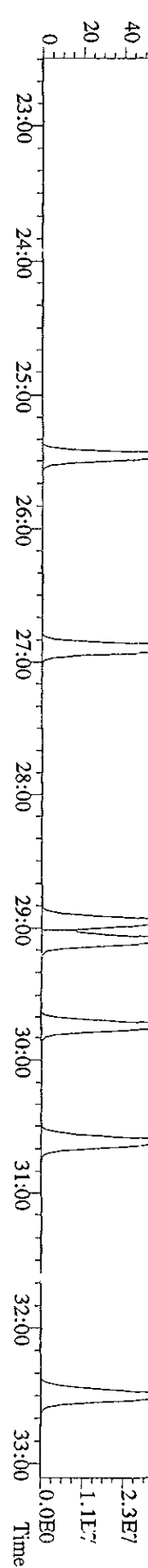
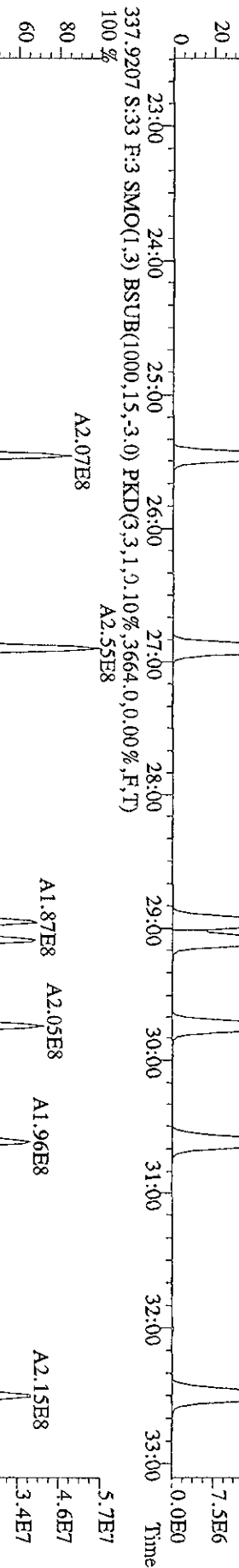
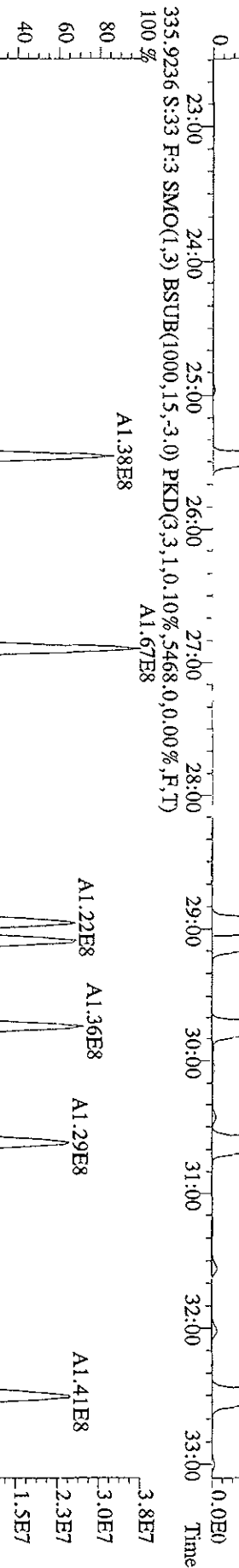
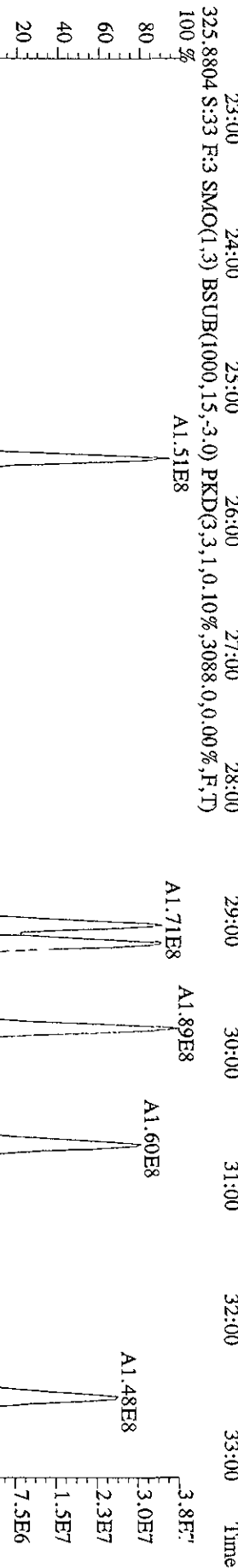
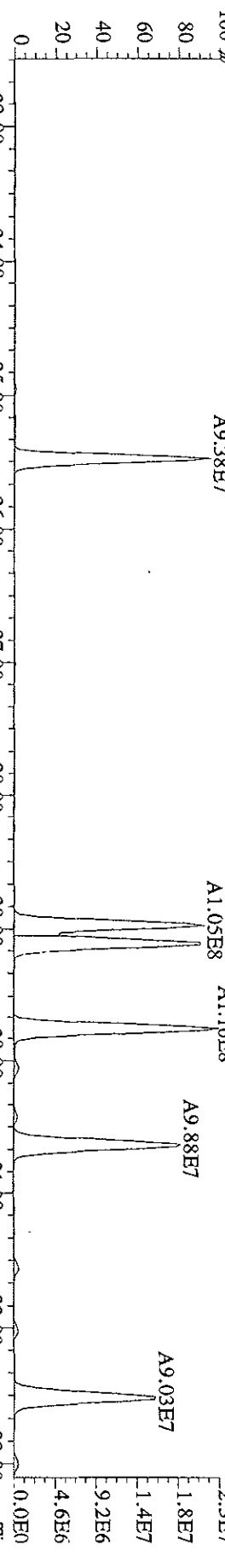
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PecB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PecB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PecB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PecB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PecB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PecB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PecB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PecB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PecB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PecB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DecB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DECB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

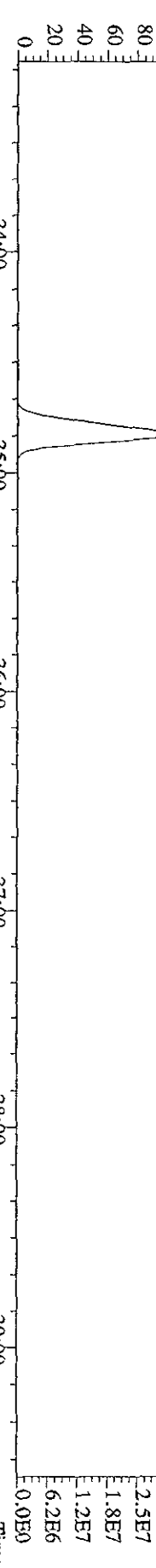
File:05MR09D5 #1-598 Acq: 6-MAR-2009 13:09:06 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#33 Text:ST0305C :CS3 09DXN016 Exp:209DB5  
 289.9224 S:33 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3748,0,0,00%,F,T)  
 100% A1.25E8



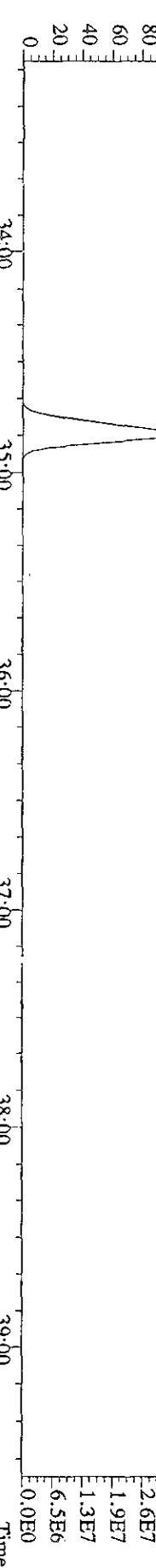
File:05MR099D5 #1-598 Acq: 6-MAR-2009 13:09:06 GC EI + Voltage SIR Autospec-UltimaE  
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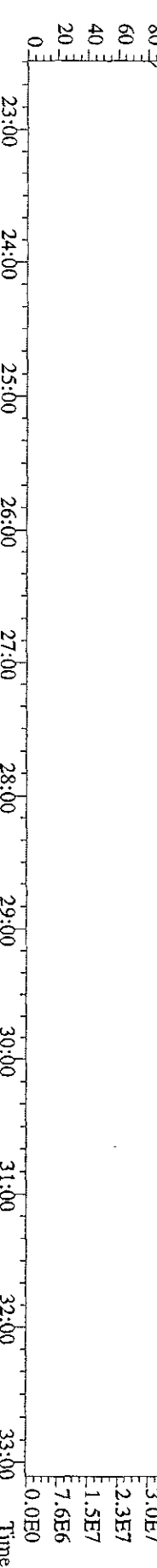
File:05MR099D5 #1-394 Acq: 6-MAR-2009 13:09:06 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#33 Text:ST0305C :CS3 09DXN016 Exp:209DB5  
 439.8038 S:33 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,9,10%,1096,0,0,00%,F,T)  
 A1.79E8



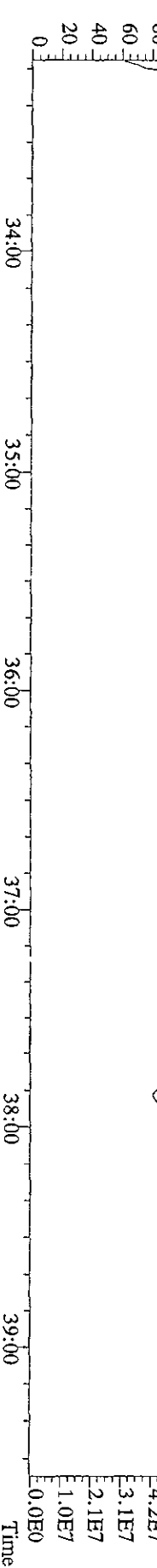
441.8008 S:33 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2516,0,0,00%,F,T)  
 A1.88E8



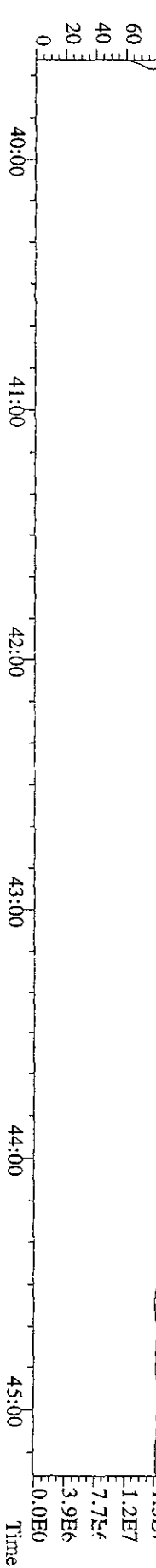
380.9760 S:33 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 22:48 23:25 23:57 25:04 25:48 26:47 27:20 27:54 28:36 29:19 30:18 31:22 32:26



380.9760 S:33 F:4 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 33:21 33:48 34:14 34:35 35:03 35:24 35:52 36:23 36:42 37:18 37:40 38:17 38:44 39:05 39:32

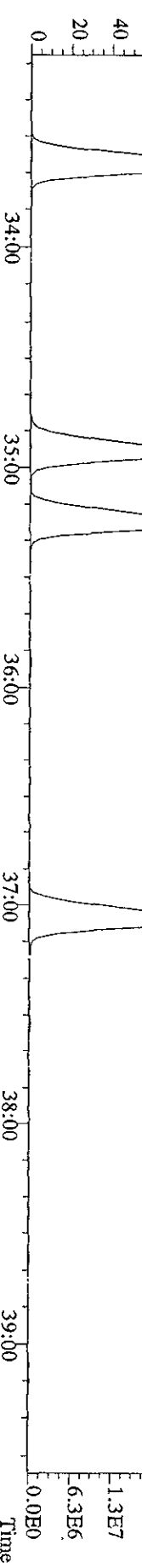
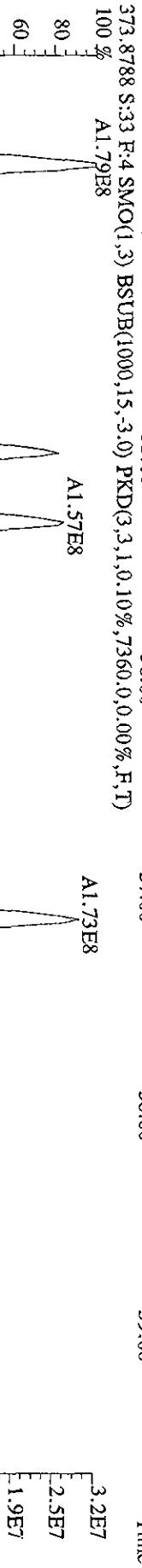
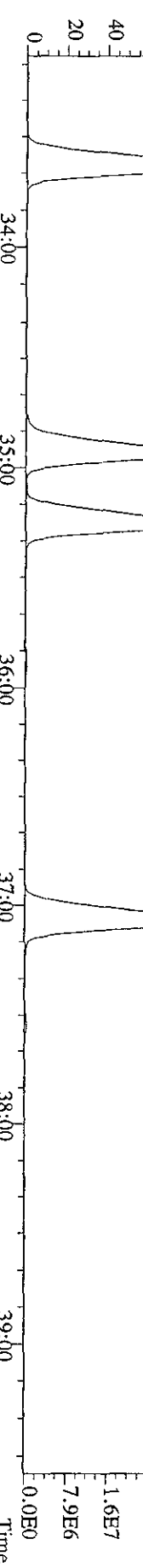
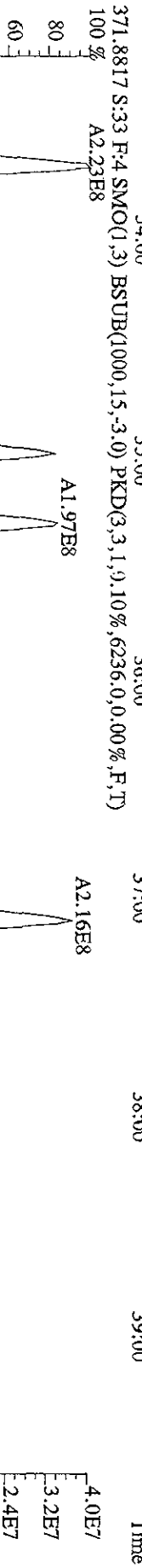
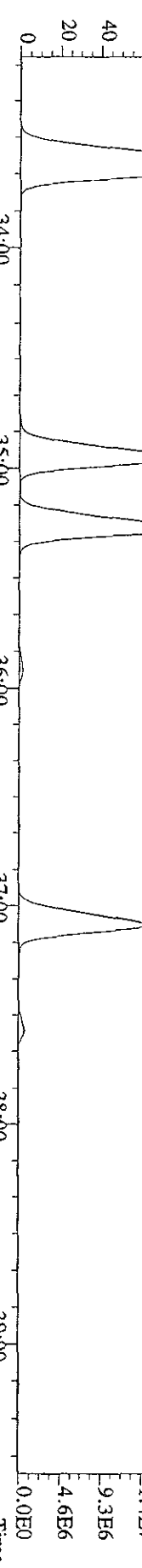
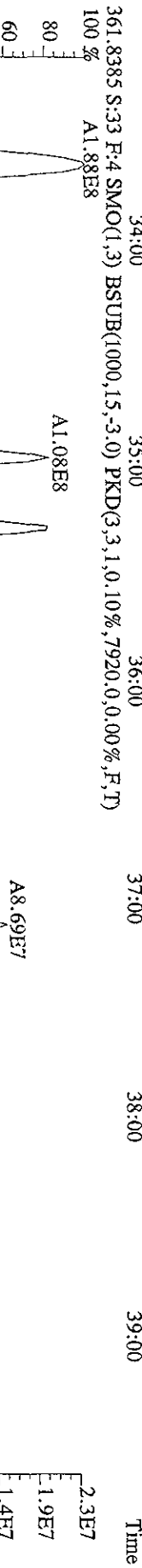
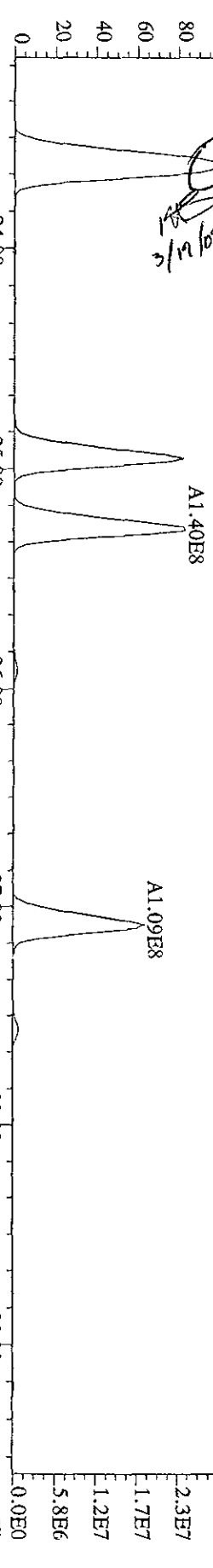


480.9696 S:33 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 39:57 40:17 40:52 41:19 41:52 42:10 42:27 43:03 43:37 44:19 44:56



File:05MR099D5 #1-394 Acq: 6-MAR-2009 13:09:06 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#33 Text:ST0305C :CS3 09DXN016 Exp:209DB5  
 359.8415 S:33 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6368,0,0.00%,F,T)  
 100% A2.35E8

*Handwritten:* 5/9/09  
*Handwritten:* [Signature]

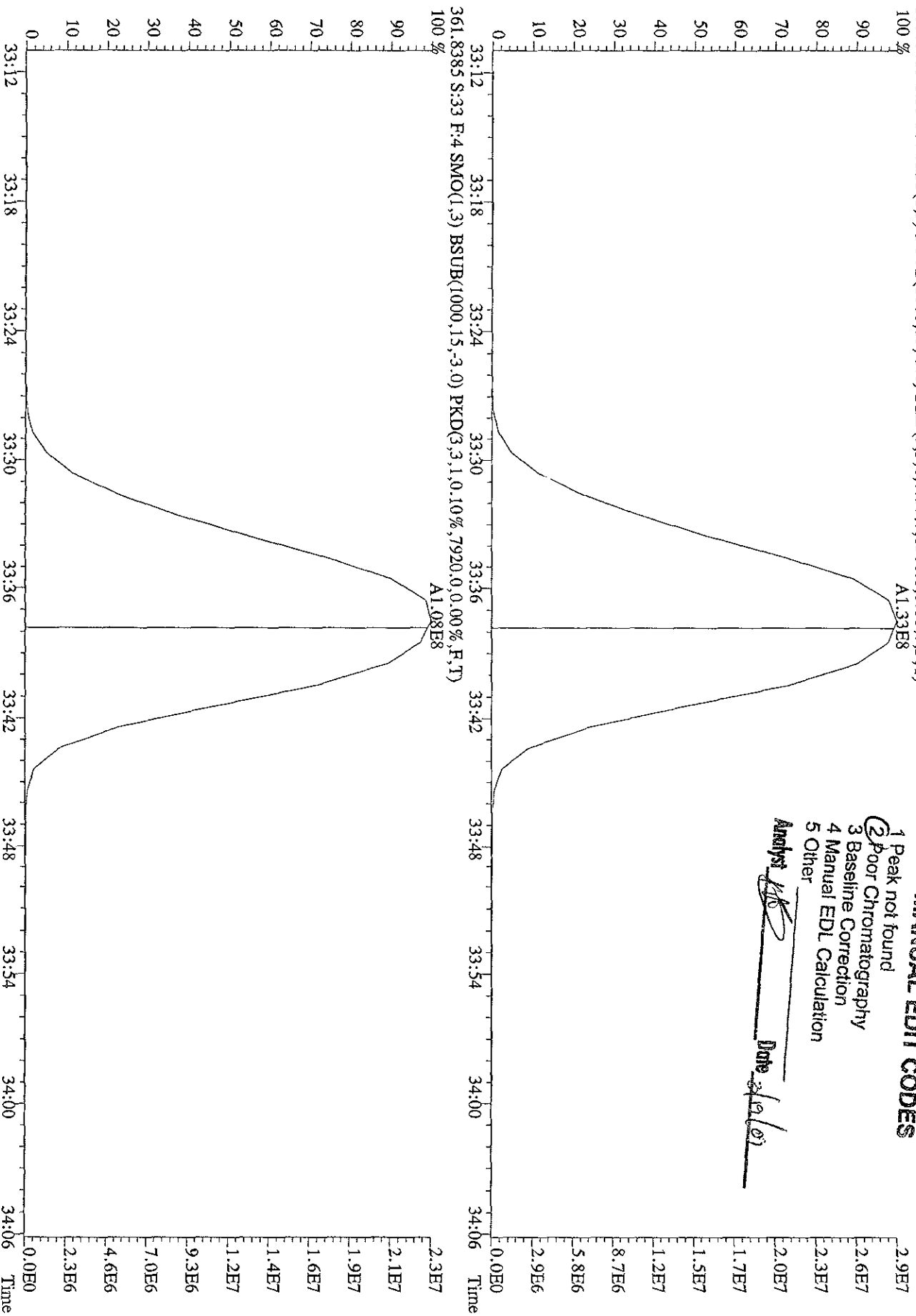


File:05MR099D5 #1-394 Acq: 6-MAR-2009 13:09:06 GC EI+ Voltage 51R Autospec-UltimaE  
 Sample#33 Text:ST0305C :CS3 09DXN016 Exp:209DB5  
 359.8415 S:33 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6368,0,0,00%,F,T)  
 100%

**MANUAL EDIT CODES**

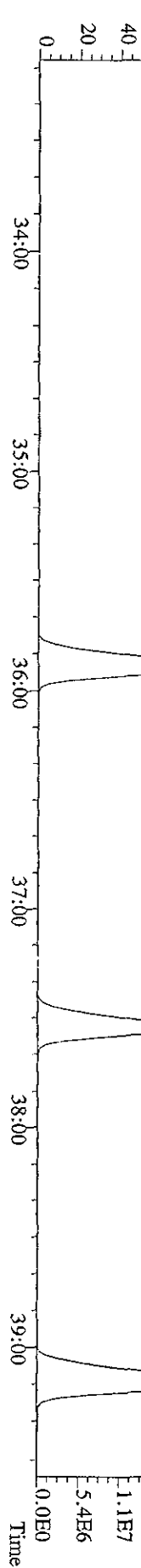
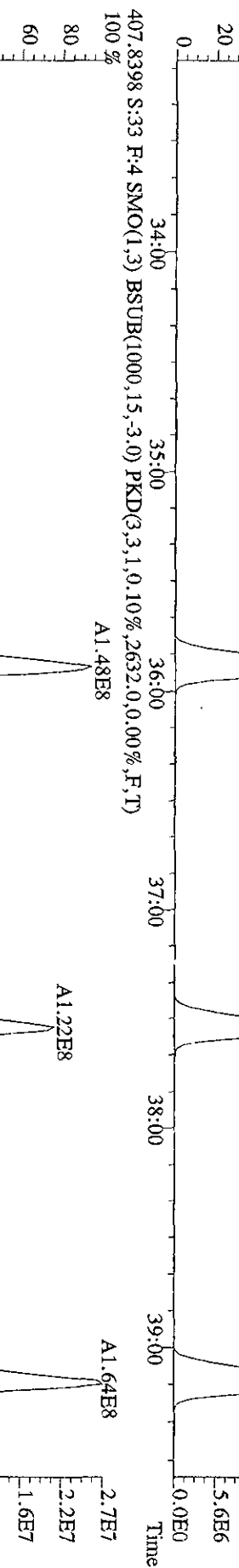
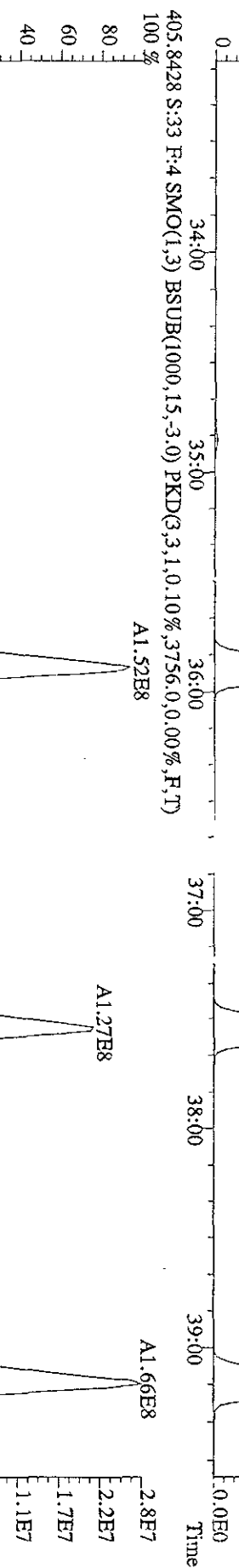
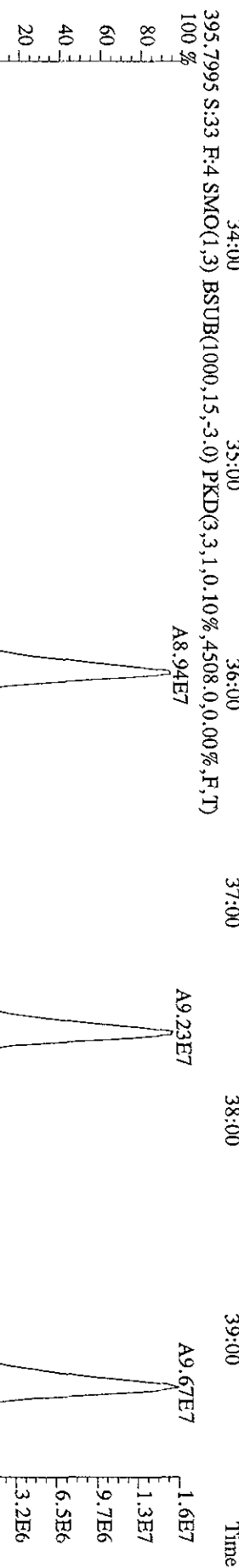
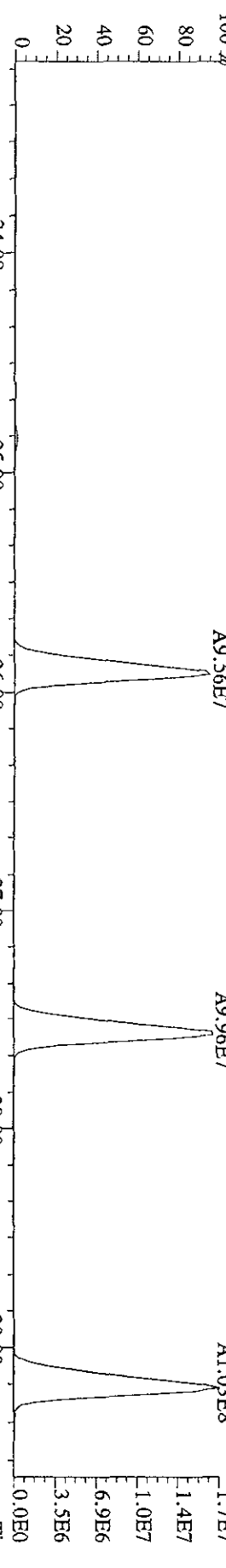
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst AKB Date 3/19/09

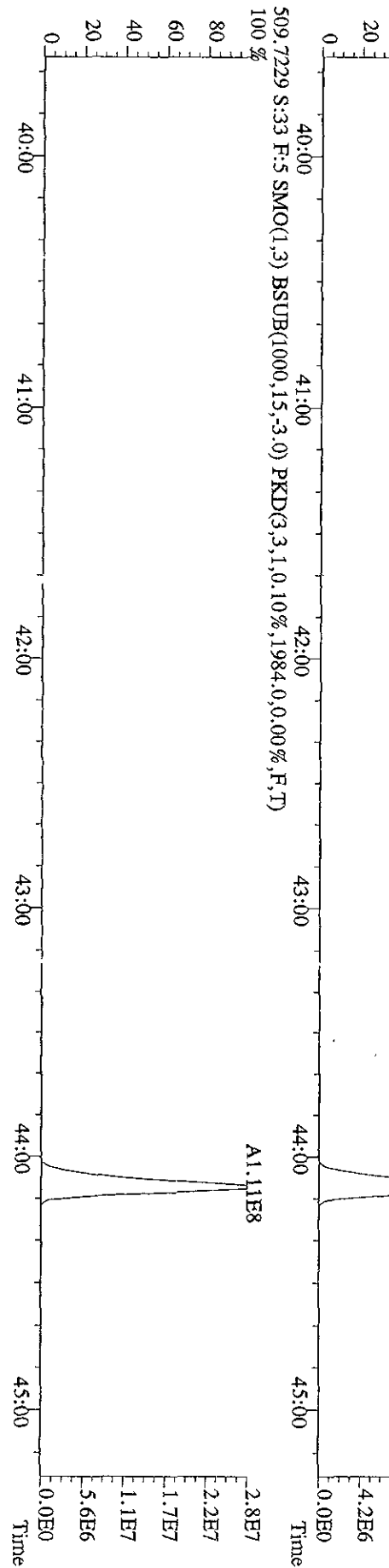
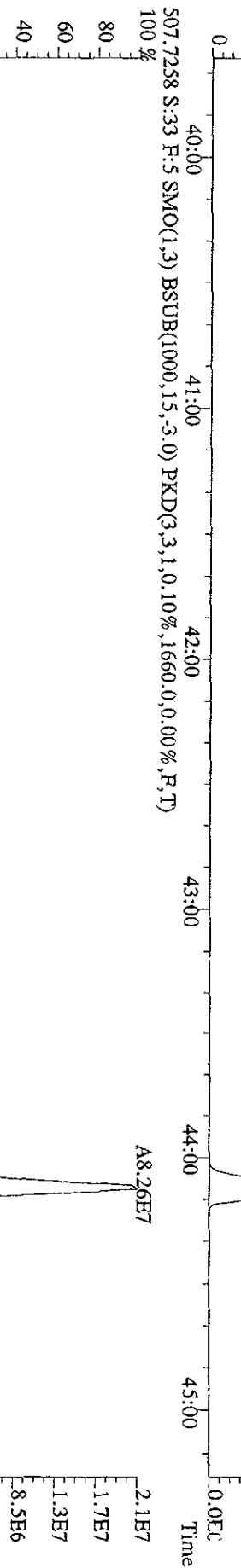
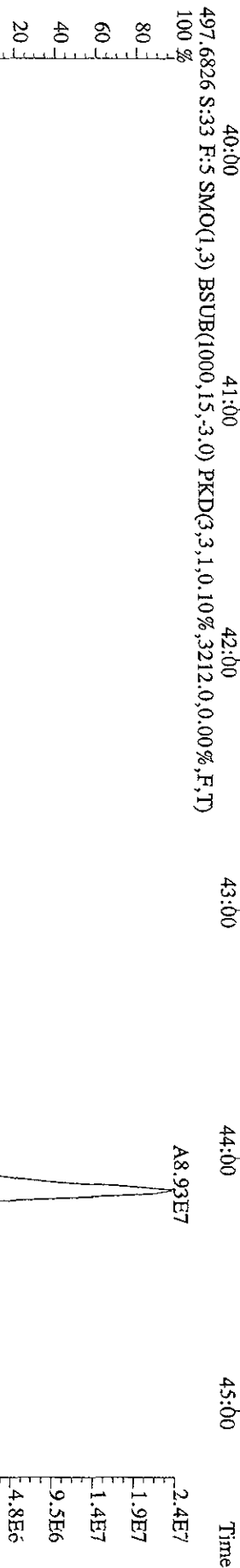
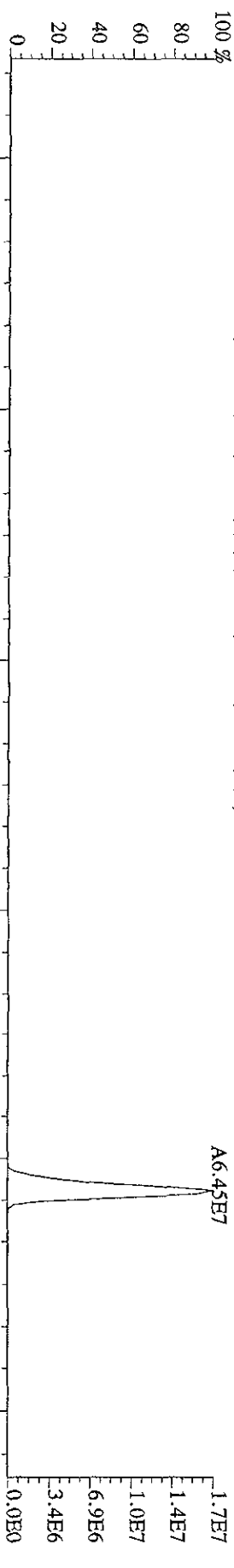




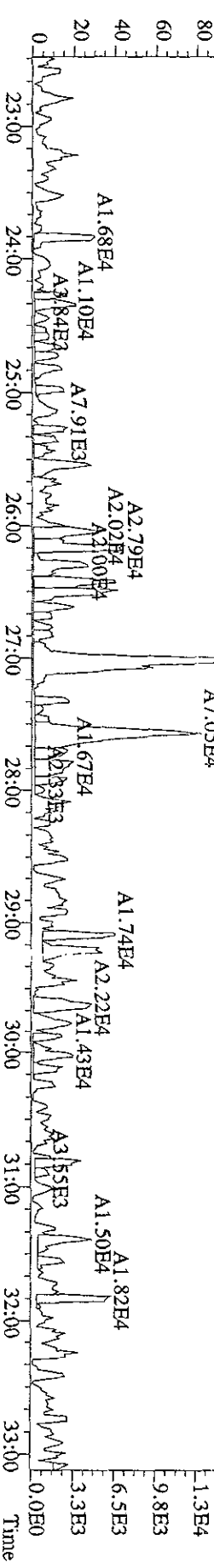
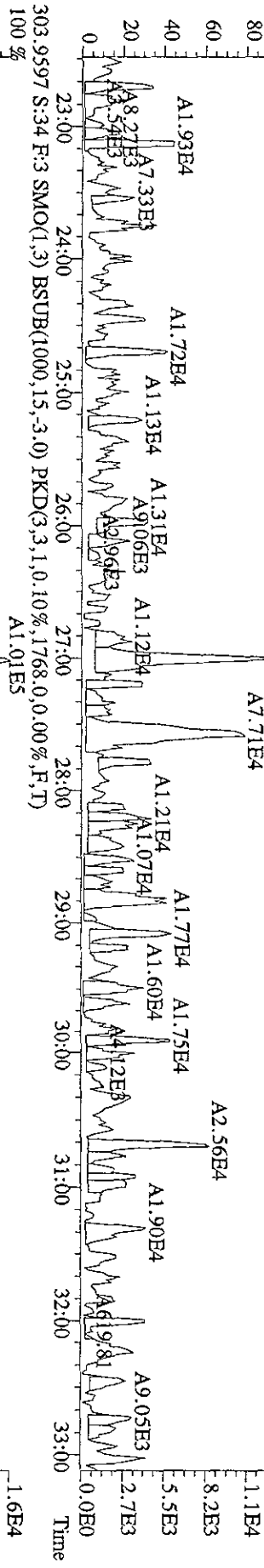
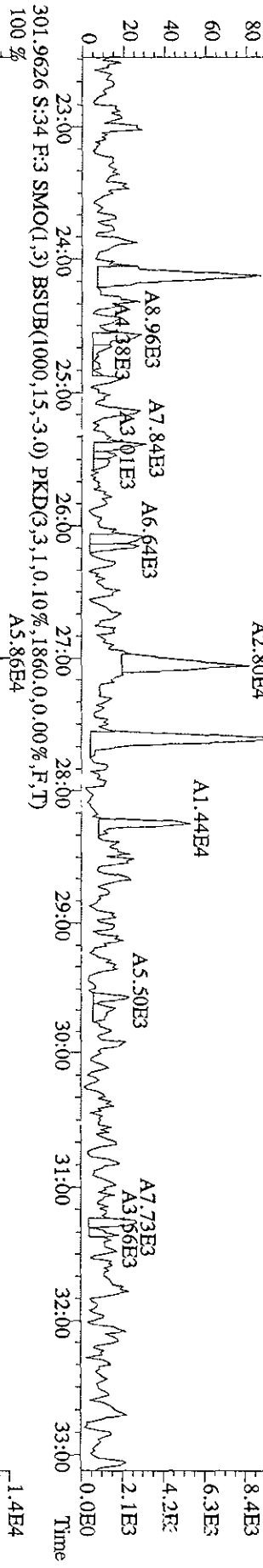
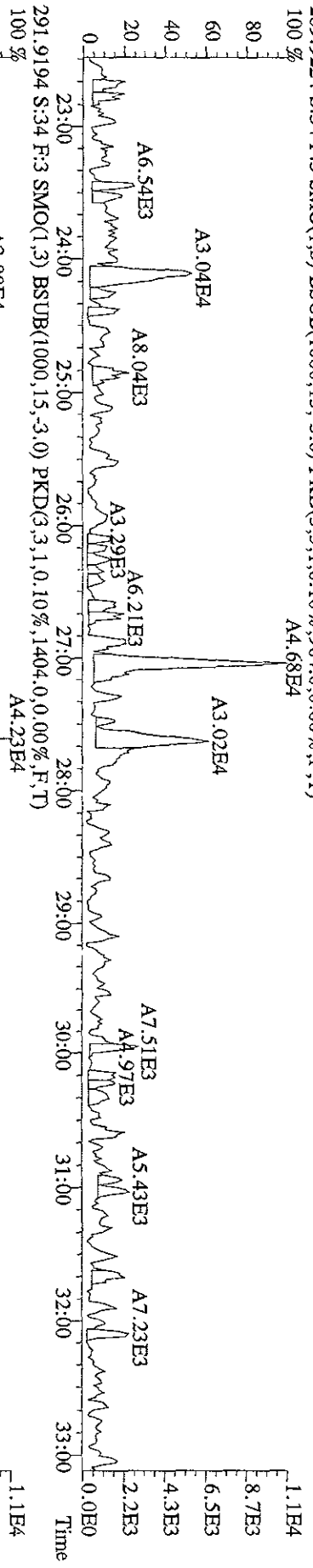
File:05MR099D5 #1-394 Acq: 6-MAR-2009 13:09:06 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#33 Text:ST0305C :CS3 09DXN016 Exp:209DB5  
 393.8025 S:33 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5660,0,0,00%,F,T)



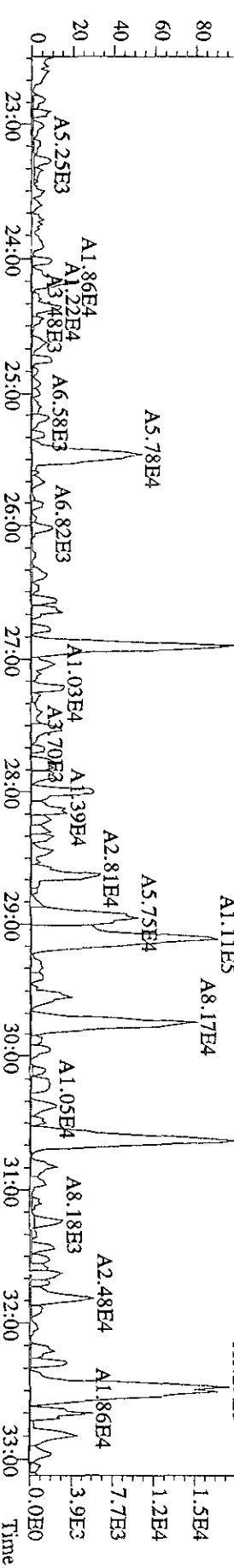
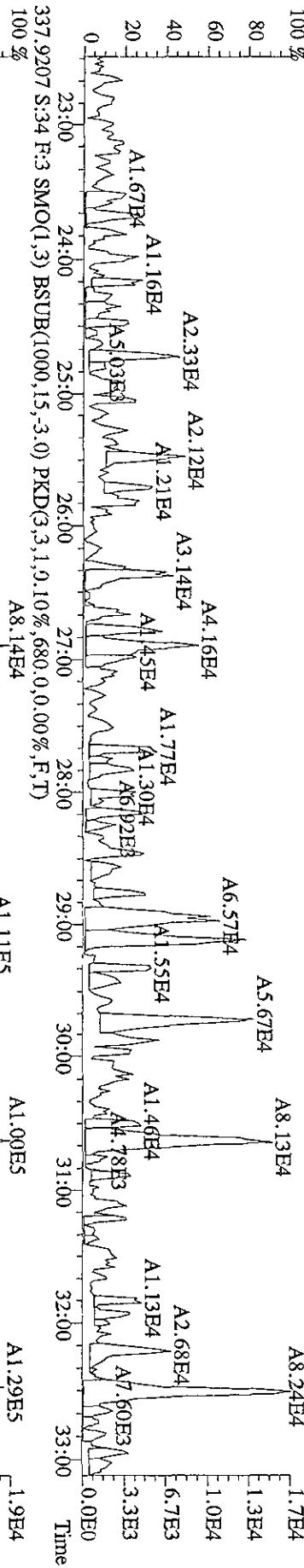
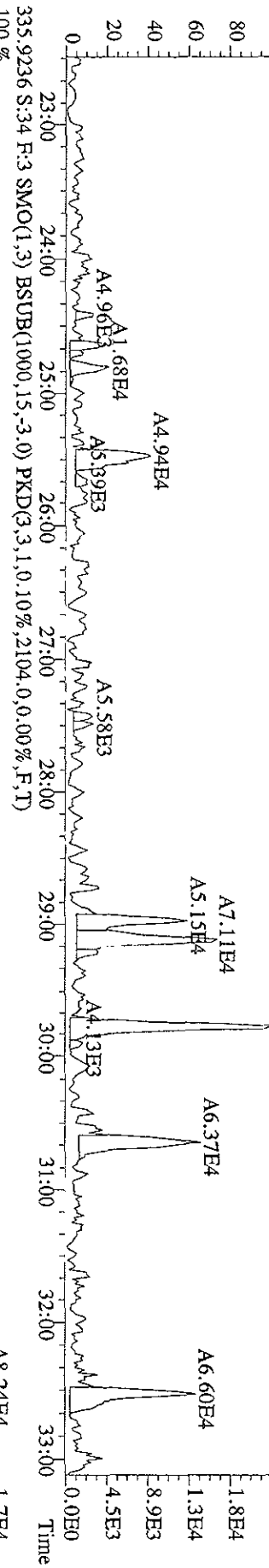
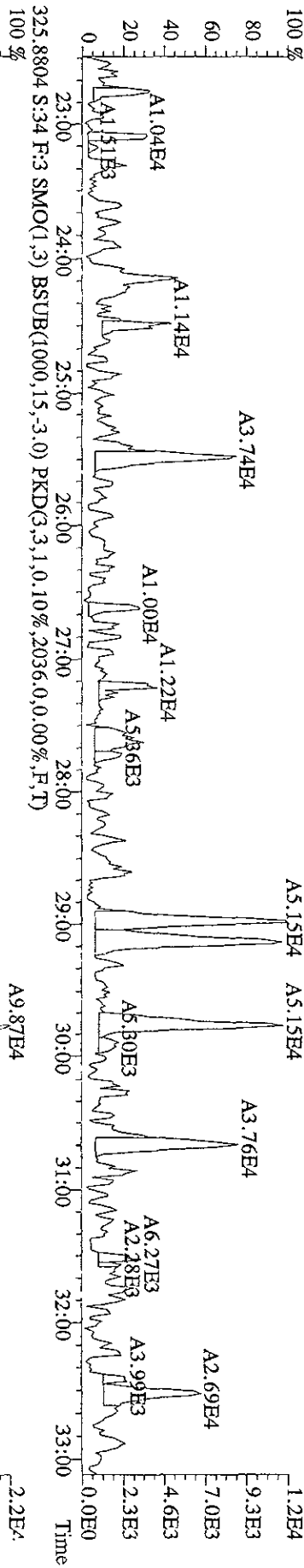
File:05MR099D5 #1-376 Acq: 6-MAR-2009 13:09:06 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#33 Text:ST0305C :CS3 09DXN016 Exp:209DB5  
 495.6856 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2528,0,0.00%,F,T)  
 100 %



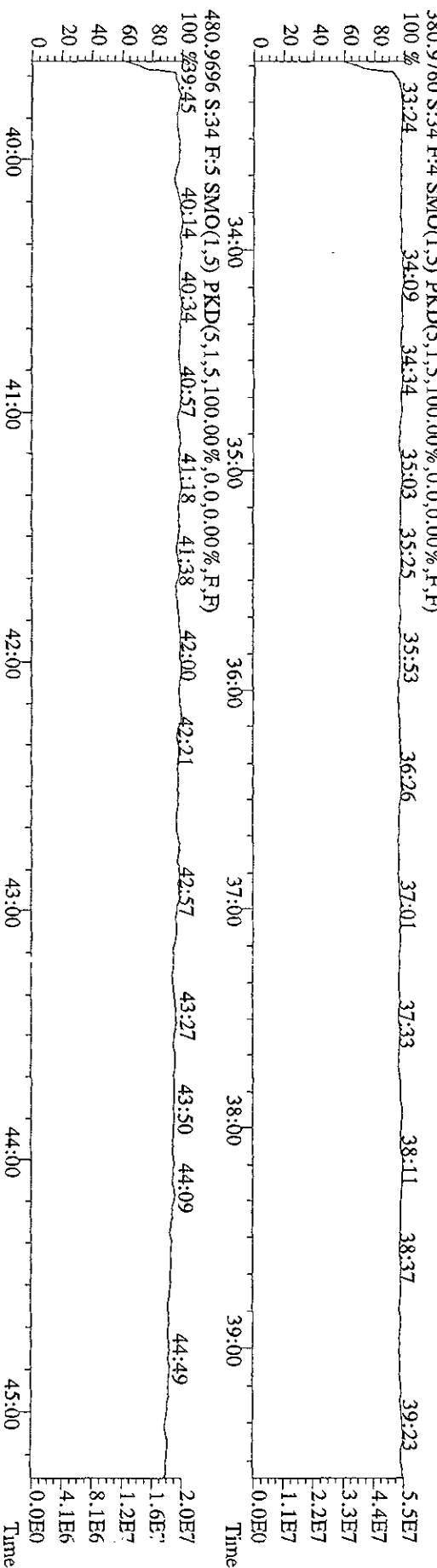
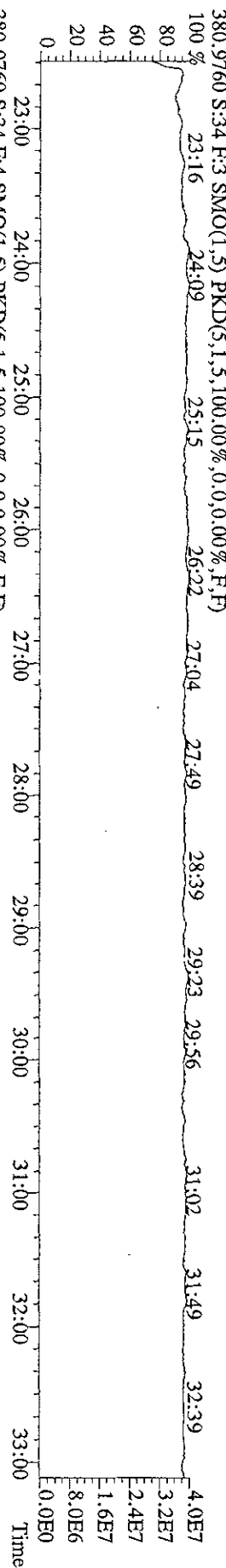
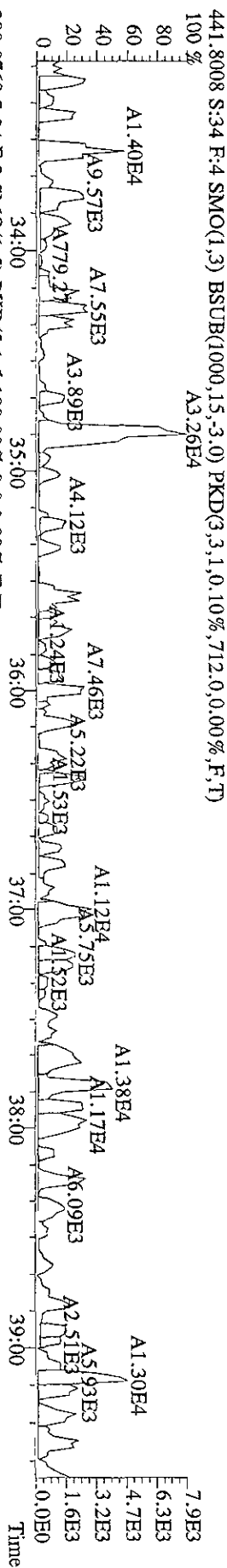
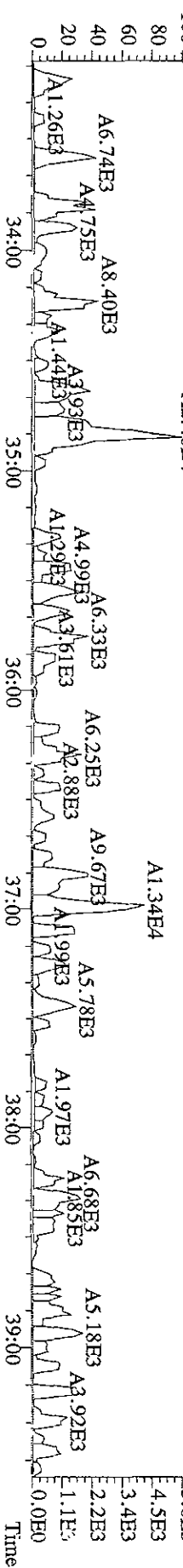
File:05MR099D5 #1-599 Acq: 6-MAR-2009 14:00:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#34 Text:SB0305D :Solvent Blank C-12 Exp:209DB5  
 289.9224 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,964.0,0.00%,F,T)  
 A4.68E4



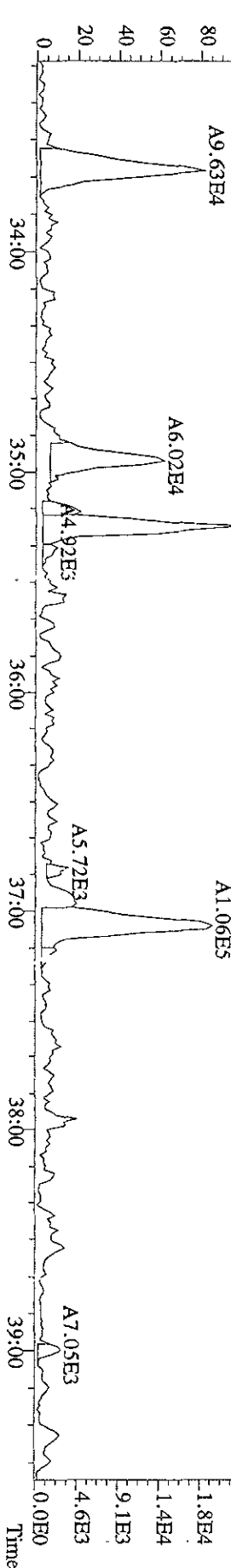
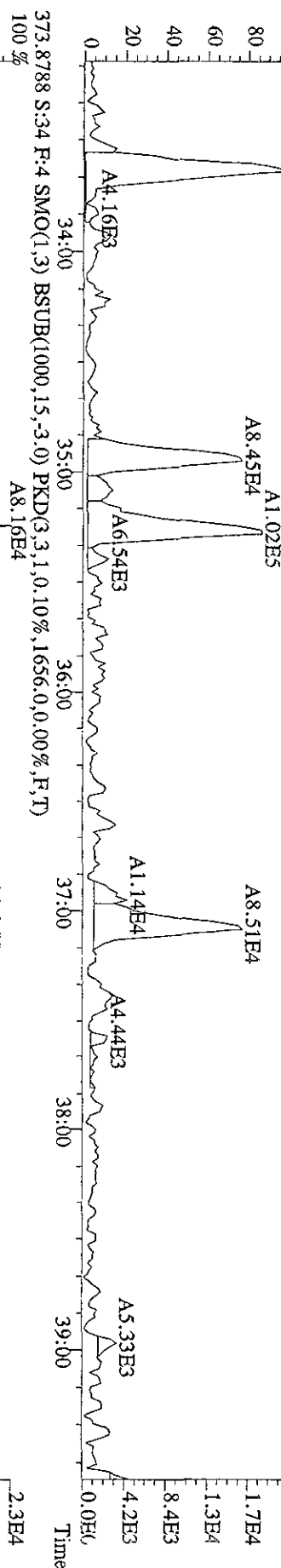
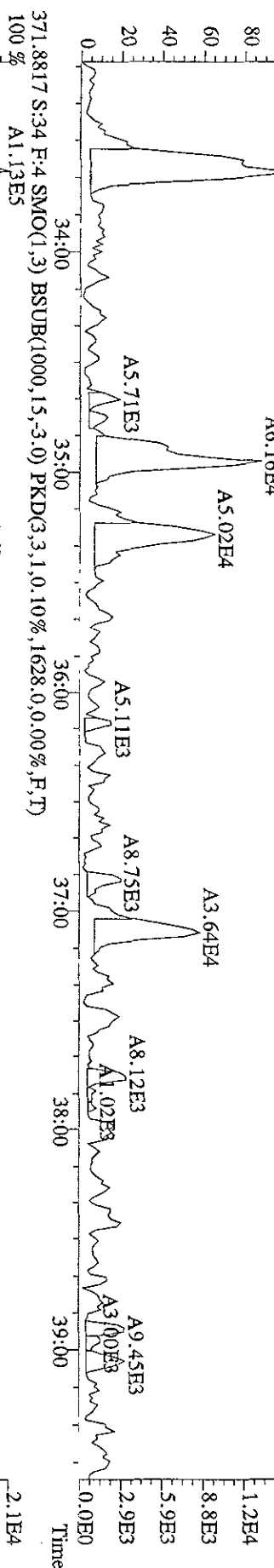
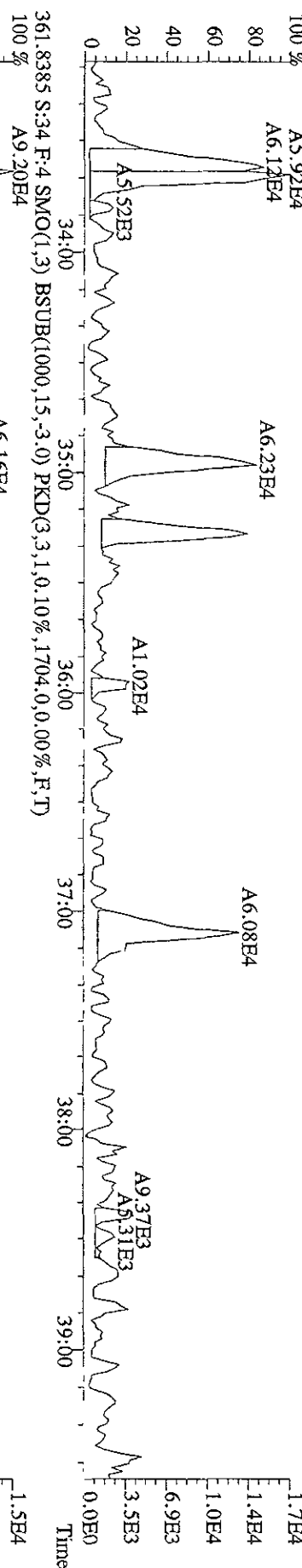
File:05MR099D5 #1-599 Acq: 6-MAR-2009 14:00:29 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#34 Text:SB0305D ;Solvent Blank C-12 Exp:209DB5  
 323.8834 S:3.4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1832,0.0,0.00%,F,T)



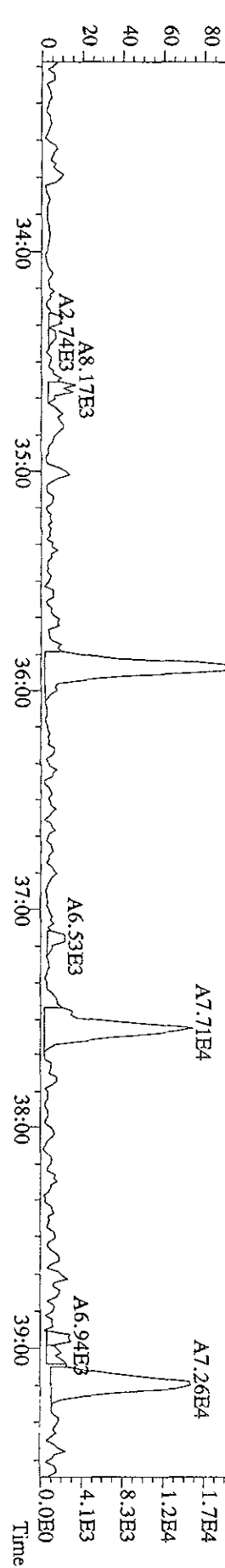
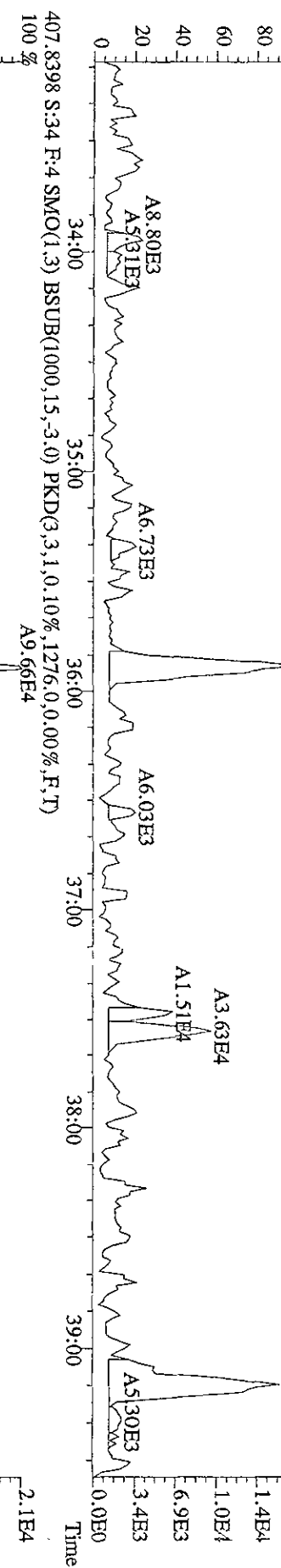
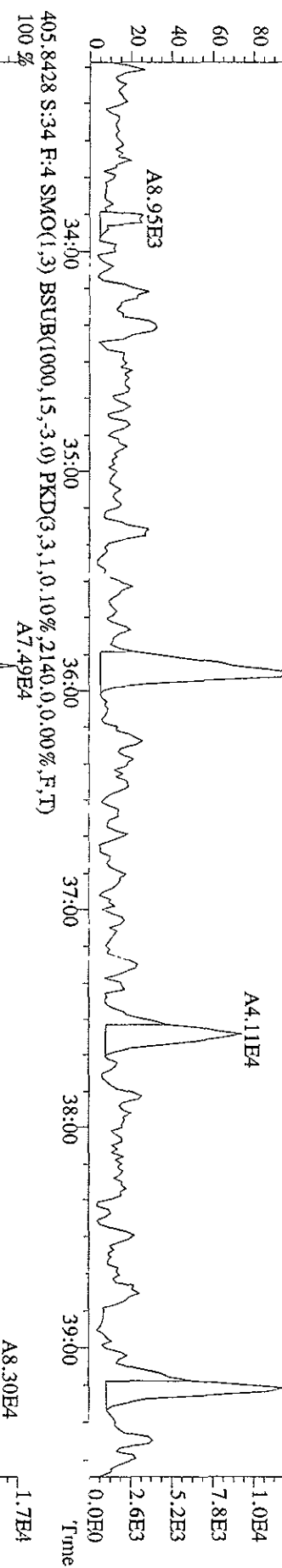
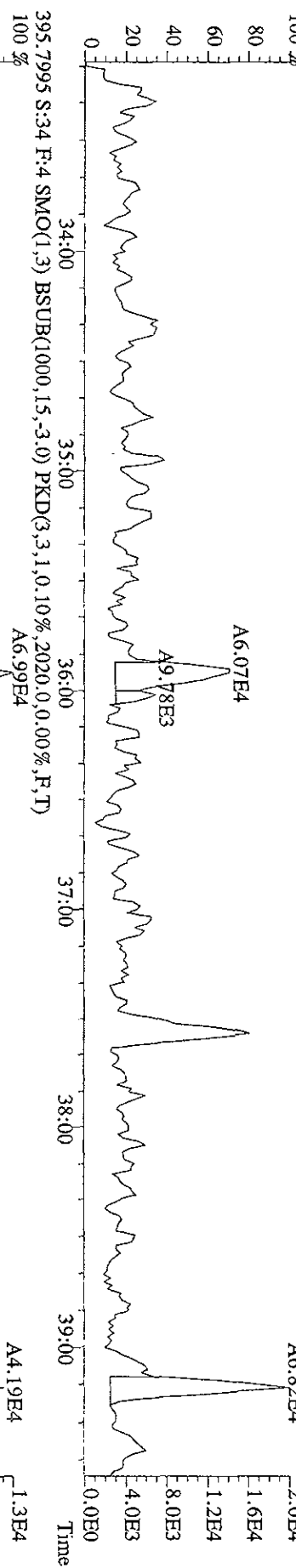
File:05MR099D5 #1-393 Acq: 6-MAR-2009 14:00:29 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#34 Text:SB0305D ;Solvent Blank C-12 Exp:209DB5  
439.8038 S:3.4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,128,0,0,00%,F,T)  
A2.48E4



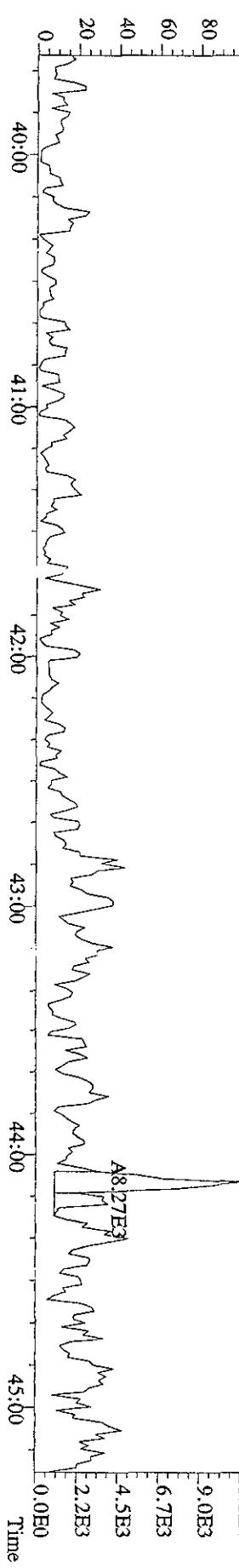
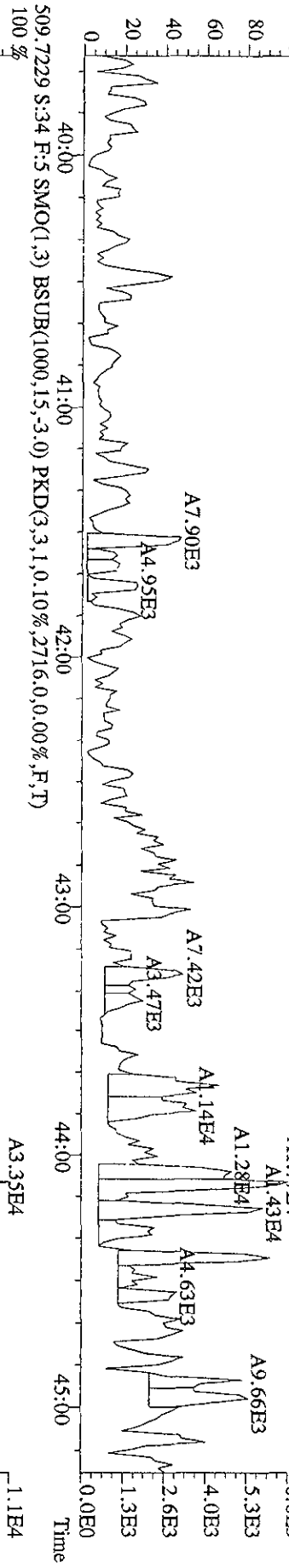
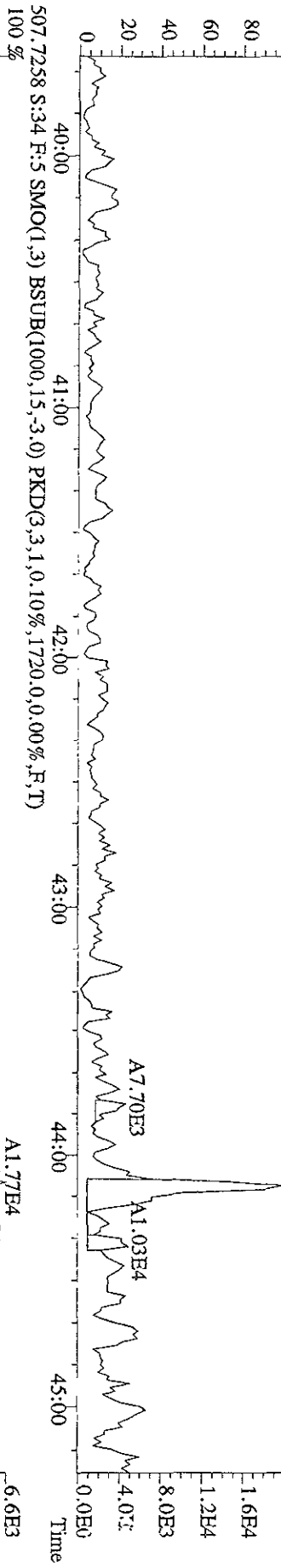
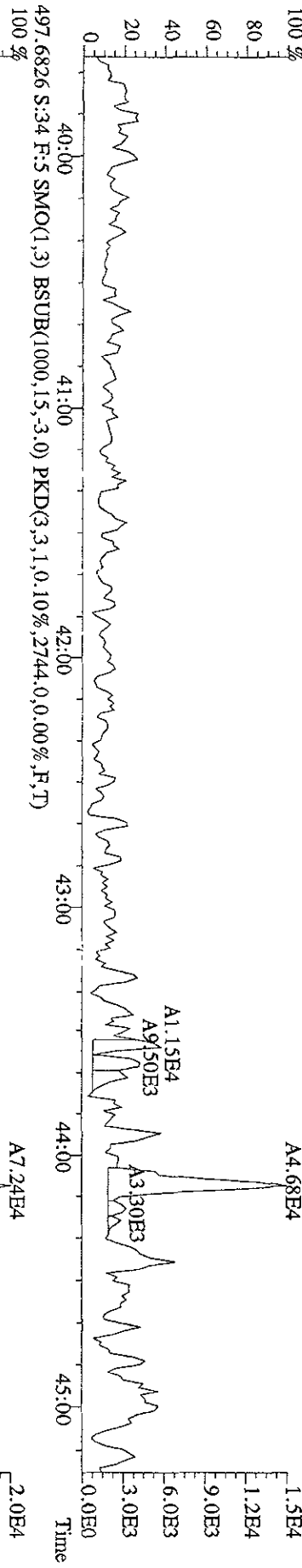
File:05MR099D5 #1-393 Acq: 6-MAR-2009 14:00:29 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#34 Text:SB0305D :Solvent Blank C-12 Exp:209DB5  
359.8415 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2308,0,0,00%,F,T)



File:05MR099D5 #1-393 Acq: 6-MAR-2009 14:00:29 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#34 Text:SB0305D :Solvent Blank C-12 Exp:209DB5  
 393.8025 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4988,0,0.00%,F,T)



File:05MR099D5 #1-376 Acq: 6-MAR-2009 14:00:29 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#34 Text:SB0305D :Solvent Blank C-12 Exp:209DB5  
 495.6856 S:34 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2624,0,0.00%,F,T)





## Daily Calibration Checklist Methods 1668 and 1614

Method ID 1668M(SL+PCA)

Associated ICAL 1668M2 Dec 01/309905

Column ID DB5

Instrument ID 975

STD ID STO216

STD Solution CGDxN016

Analyzed by AM

Date Analyzed 2/16/09

Std. Pkg. By MTD

Date Std. Pkg. Assembled 3/17/09

Std. Pkg. Reviewed By SMA

Date Std. Pkg. Reviewed 3/17/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.  
 Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).  
 \*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
 Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0316 File text: CS3 09DXN016  
 Run #6 Filename 16MR09A9D5 S: 1 I: 1  
 Acquired: 16-MAR-09 19:24:20 Processed: 16-MAR-09 20:12:20  
 Run: 16MR09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 16MR09A9D51668MSLDE

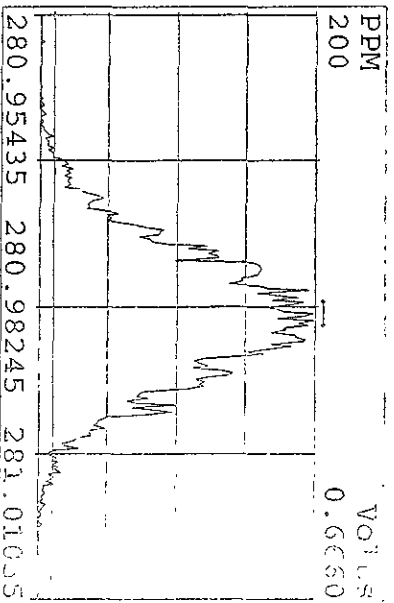
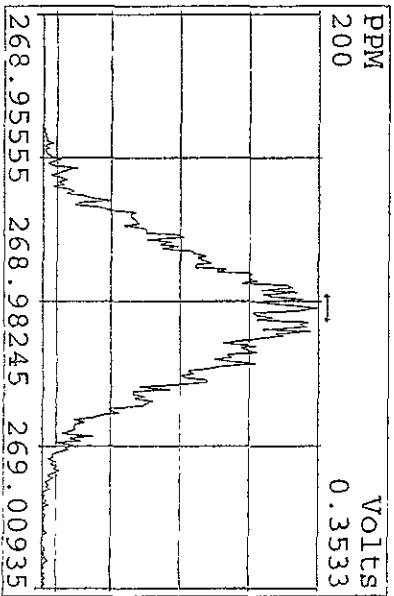
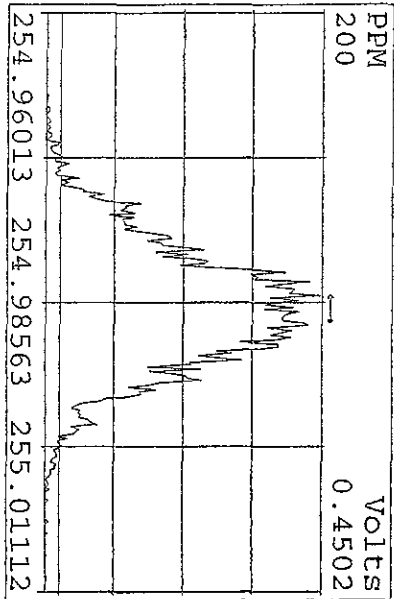
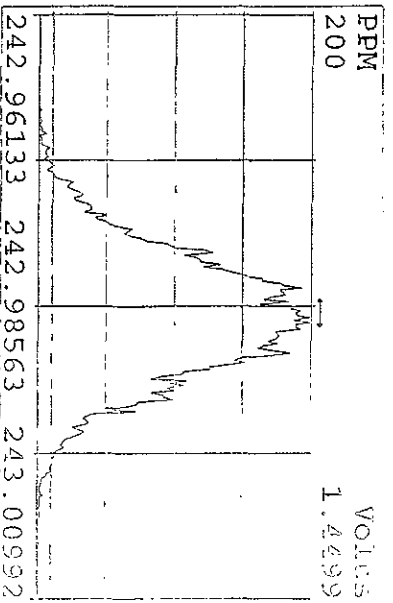
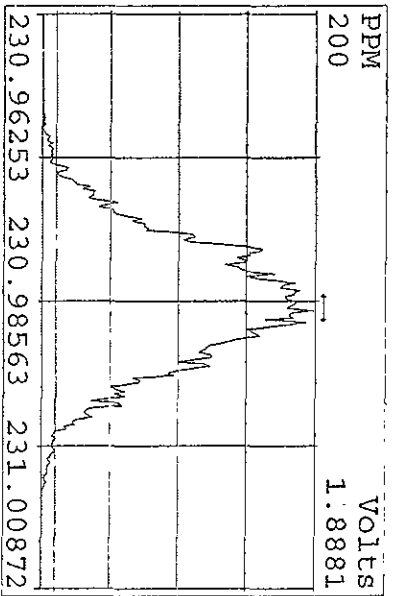
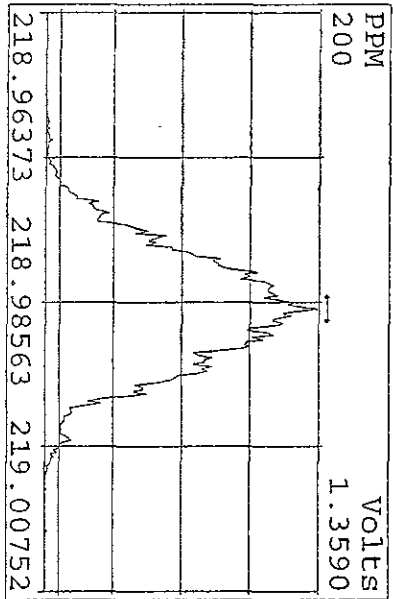
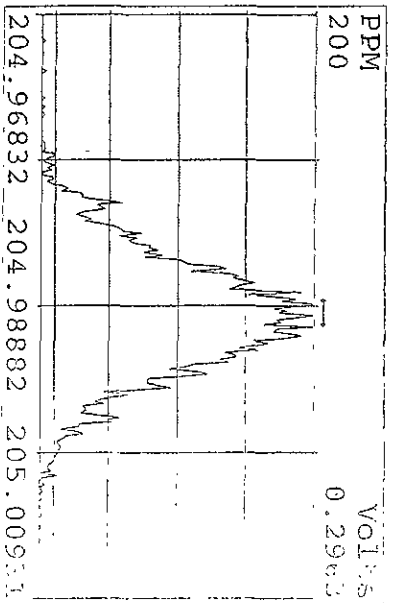
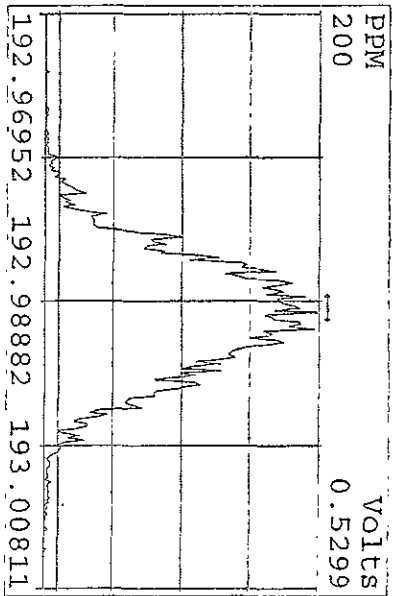
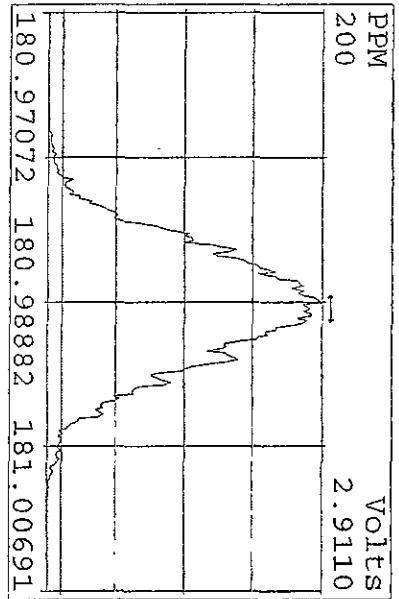
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	154825000	0.63 y	25:16	-	100.00	-	n
13C-TCB-81	162424300	0.77 y	26:50	1.05	100.00	10.7	n
TCB-81	104422600	0.75 y	26:51	1.29	50.00	0.6	n
13C-TCB-77	164617800	0.79 y	27:24	1.06	100.00	8.2	n
TCB-77	97750000	0.74 y	27:25	1.19	50.00	7.6	n
13C-PeCB-123	157187400	0.65 y	28:46	1.02	100.00	16.5	n
PeCB-123	121901500	0.57 y	28:47	1.55	50.00	2.8	n
13C-PeCB-118	168511200	0.65 y	28:55	1.09	100.00	10.5	n
PeCB-118/106	132951000	0.57 y	28:56	1.58	50.00	3.3	n
13C-PeCB-114	170674700	0.65 y	29:34	1.10	100.00	14.1	n
PeCB-114	139993900	0.58 y	29:35	1.64	50.00	3.5	n
13C-PeCB-105	165034900	0.66 y	30:26	1.07	100.00	18.8	n
PeCB-105/127	119852500	0.58 y	30:27	1.45	50.00	2.1	n
13C-PeCB-126	182716200	0.64 y	32:20	1.18	100.00	29.5	n
PeCB-126	112851900	0.58 y	32:21	1.24	50.00	5.3	n
13C-OcCB-202	227000000	0.89 y	34:39	-	100.00	-	n
13C-HxCB-167	183091600	1.24 y	33:28	0.81	100.00	-4.2	n
HxCB-167	82705600	1.27 y	33:28	0.90	50.00	-22.7	y
13C-HxCB-156	157533200	1.24 y	34:46	0.69	100.00	3.5	n
HxCB-156	113898700	1.27 y	34:47	1.45	50.00	-0.4	n
13C-HxCB-157	169640200	1.26 y	35:06	0.75	100.00	5.7	n
HxCB-157	120294100	1.26 y	35:06	1.42	50.00	-2.0	n
13C-HxCB-169	191408000	1.26 y	36:55	0.84	100.00	15.0	n
HxCB-169	95913900	1.27 y	36:56	1.00	50.00	1.3	n
13C-HpCB-180	152677700	1.02 y	35:44	0.67	100.00	15.0	n
HpCB-180	94508100	1.07 y	35:45	1.24	50.00	-2.2	n
13C-HpCB-170	128149300	1.04 y	37:23	0.56	100.00	19.0	n
HpCB-170/190	98696700	1.09 y	37:24	1.54	50.00	-4.1	n
13C-HpCB-189	174866700	1.01 y	39:01	0.77	100.00	28.7	n
HpCB-189	106163500	1.09 y	39:02	1.21	50.00	0.6	n
13C-DeCB-209	133408600	0.72 y	44:01	0.59	100.00	27.7	n
DeCB-209	102566700	0.69 y	44:02	1.54	50.00	2.2	n
13C-PeCB-111	211592300	0.64 y	26:44	1.28	100.00	-5.7	n

Run text: ST0316 File text: CS3 09DXN016  
 Run #6 Filename 16MR09A9D5 S: 1 I: 1  
 Acquired: 16-MAR-09 19:24:20 Processed: 16-MAR-09 20:12:20  
 Run: 16MR09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 16MR09A9D51668MSLDE

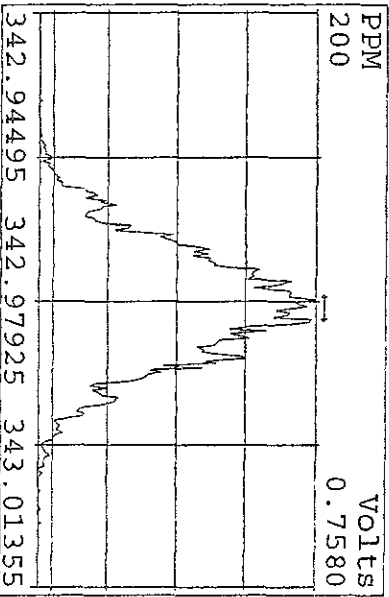
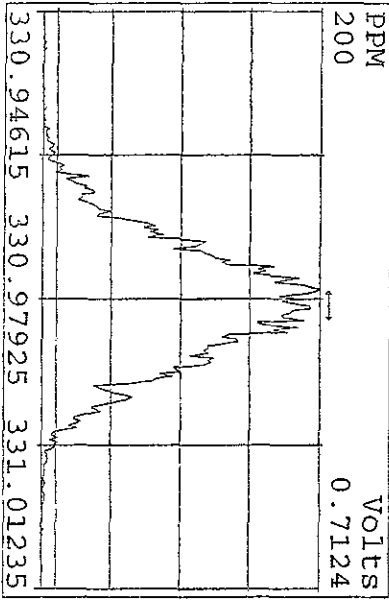
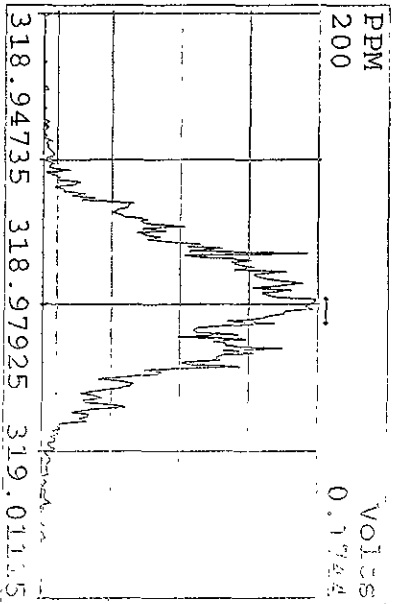
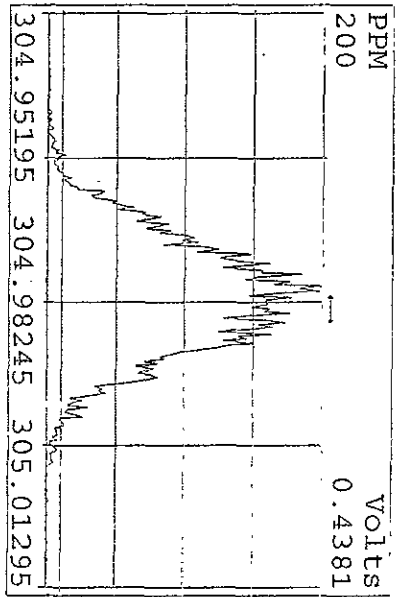
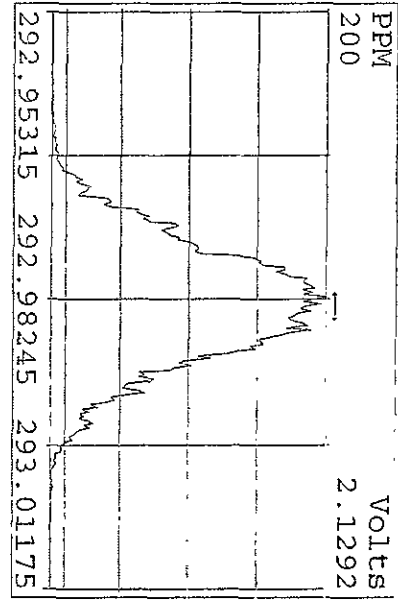
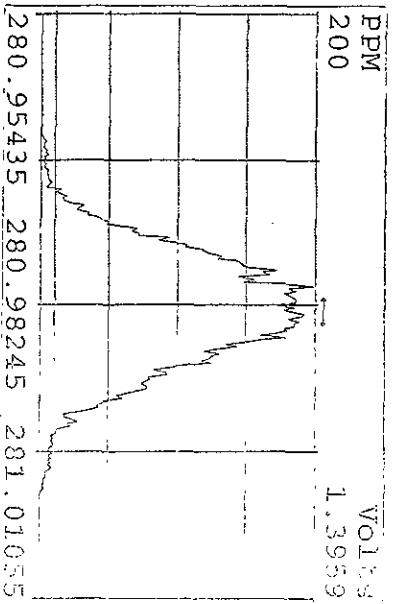
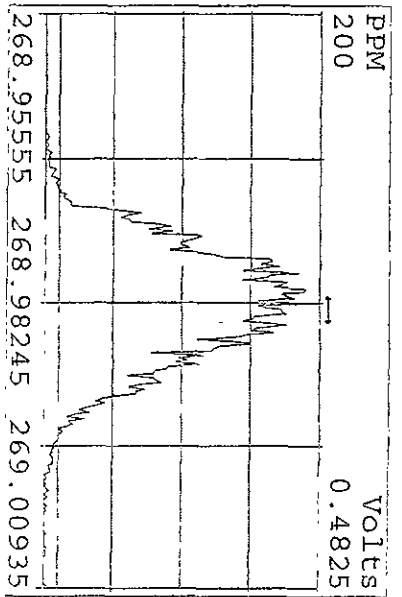
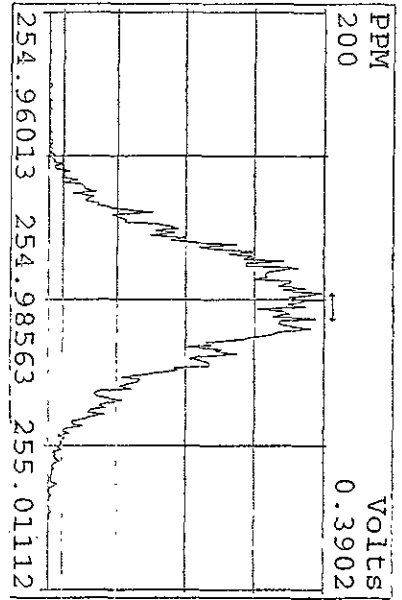
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13C-PeCB-101	154825000	0.63 y	25:16	-	100.00	-	n
13C-TCB-81	162424300	0.77 y	26:50	1.05	100.00	10.7	n
TCB-81	104422600	0.75 y	26:51	1.29	50.00	0.6	n
13C-TCB-77	164617800	0.79 y	27:24	1.06	100.00	8.2	n
TCB-77	97750000	0.74 y	27:25	1.19	50.00	7.6	n
13C-PeCB-123	157187400	0.65 y	28:46	1.02	100.00	16.5	n
PeCB-123	121901500	0.57 y	28:47	1.55	50.00	2.8	n
13C-PeCB-118	168511200	0.65 y	28:55	1.09	100.00	10.5	n
PeCB-118/106	132951000	0.57 y	28:56	1.58	50.00	3.3	n
13C-PeCB-114	170674700	0.65 y	29:34	1.10	100.00	14.1	n
PeCB-114	139993900	0.58 y	29:35	1.64	50.00	3.5	n
13C-PeCB-105	165034900	0.66 y	30:26	1.07	100.00	18.8	n
PeCB-105/127	119852500	0.58 y	30:27	1.45	50.00	2.1	n
13C-PeCB-126	182716200	0.64 y	32:20	1.18	100.00	29.5	n
PeCB-126	112851900	0.58 y	32:21	1.24	50.00	5.3	n
13C-OcCB-202	227000000	0.89 y	34:39	-	100.00	-	n
13C-HxCB-167	183091600	1.24 y	33:28	0.81	100.00	-4.2	n
HxCB-167	191349200	1.24 y	33:26	2.09	50.00	78.8	n
13C-HxCB-156	157533200	1.24 y	34:46	0.69	100.00	3.5	n
HxCB-156	113898700	1.27 y	34:47	1.45	50.00	-0.4	n
13C-HxCB-157	169640200	1.26 y	35:06	0.75	100.00	5.7	n
HxCB-157	120294100	1.26 y	35:06	1.42	50.00	-2.0	n
13C-HxCB-169	191408000	1.26 y	36:55	0.84	100.00	15.0	n
HxCB-169	95913900	1.27 y	36:56	1.00	50.00	1.3	n
13C-HpCB-180	152677700	1.02 y	35:44	0.67	100.00	15.0	n
HpCB-180	94508100	1.07 y	35:45	1.24	50.00	-2.2	n
13C-HpCB-170	128149300	1.04 y	37:23	0.56	100.00	19.0	n
HpCB-170/190	98696700	1.09 y	37:24	1.54	50.00	-4.1	n
13C-HpCB-189	174866700	1.01 y	39:01	0.77	100.00	28.7	n
HpCB-189	106163500	1.09 y	39:02	1.21	50.00	0.6	n
13C-DeCB-209	133408600	0.72 y	44:01	0.59	100.00	27.7	n
DECB-209	102566700	0.69 y	44:02	1.54	50.00	2.2	n
13C-PeCB-111	211592300	0.64 y	26:44	1.28	100.00	-5.7	n

ta file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
16MR09A9D5	1	ST0316	CS3 09DXN016				1.00000	
16MR09A9D5	2	SB0316	Solvent Blank C12				1.00000	
16MR09A9D5	3	K8GXW-1-AAB	F9B180129-4MB	20	1668/WATER	6	1.00000	L
16MR09A9D5	4	K8GXW-1-ACC	F9B180129-4LCS	20	1668/WATER		1.00000	L
16MR09A9D5	5	K7CT0-3-C0	F9B180129-4RX	20	1668/WATER		1.02990	L
16MR09A9D5	6	K8G5D-1-ACC	G9C040194-1LCS	10	1668/AIR	6	0.33330	Sam
16MR09A9D5	7	K8G5D-1-AAB	G9C040194-1MB	10	1668/AIR		0.33330	Sam
16MR09A9D5	8	K72EE-1-AD	G9C040194-1	10	1668/AIR		0.33330	Sam
16MR09A9D5	9	K72EN-1-AD	G9C040198-1	10	1668/AIR		0.33330	Sam
16MR09A9D5	10	K7N74-1-AA	G9B250206-1 (10X)	20	1668/AIR	98	0.50000	Sam
16MR09A9D5	11	K7N8A-1-AA	G9B250206-2 (10X)	20	1668/AIR		0.50000	Sam
16MR09A9D5	12	K7N8C-1-AA	G9B250206-3 (10X)	20	1668/AIR		0.50000	Sam
16MR09A9D5	13	K7N8D-1-AA	G9B250206-4 (10X)	20	1668/AIR		0.50000	Sam
16MR09A9D5	14	SB0316A	Solvent Blank C12				1.00000	
16MR09A9D5	15						1.00000	
16MR09A9D5	16						1.00000	
16MR09A9D5	17						1.00000	
16MR09A9D5	18						1.00000	
16MR09A9D5	19						1.00000	
16MR09A9D5	20						1.00000	
16MR09A9D5	21		AM 03-16-09				1.00000	
16MR09A9D5	22						1.00000	

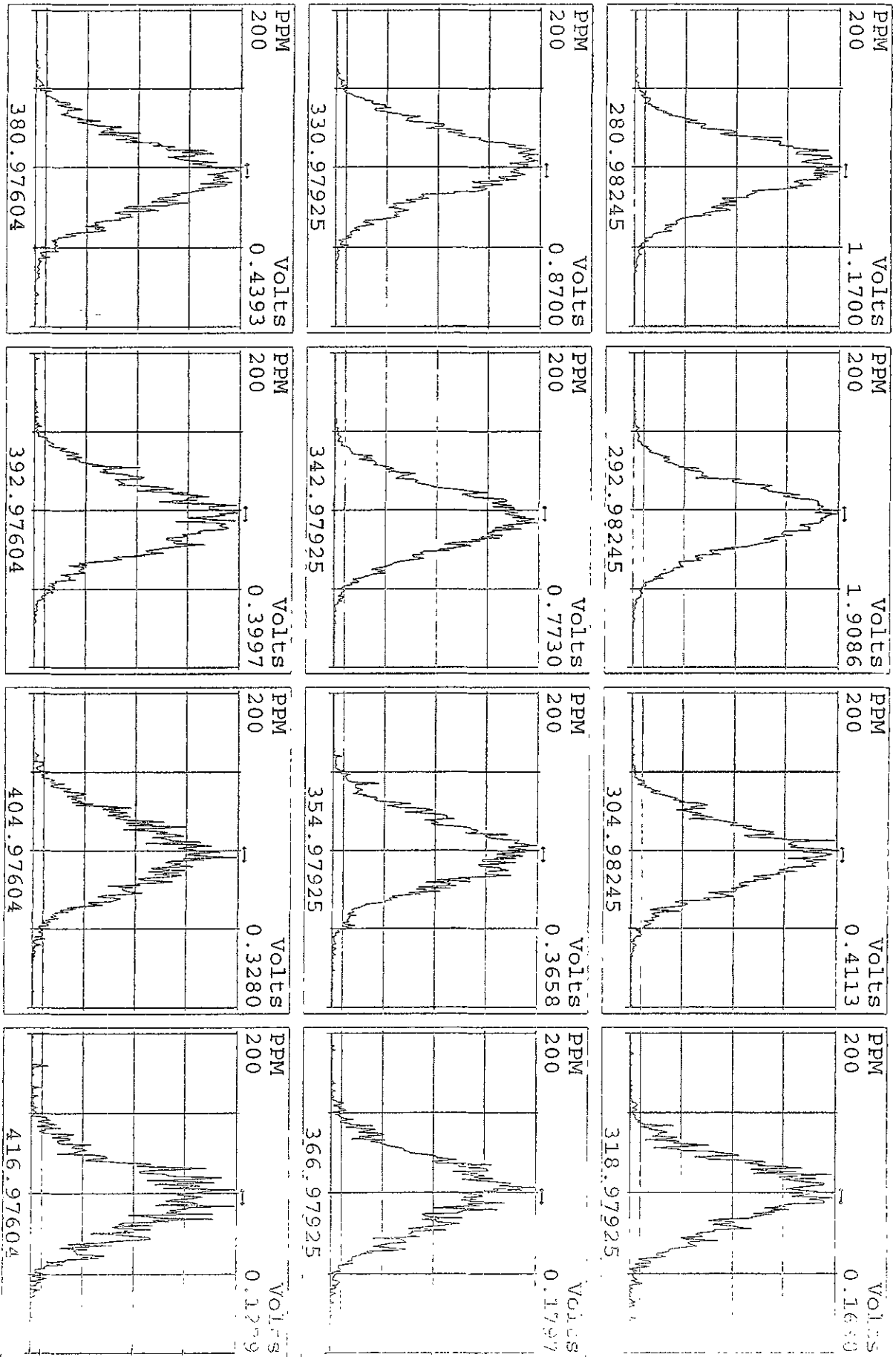
Peak Locate Examination: 16-MAR-2009: 19:08 File: 16MR09A9D5  
 Experiment: 209DB5 Function: 1 Reference: PRK



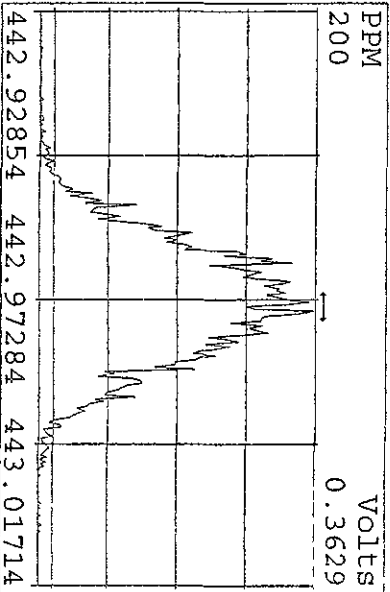
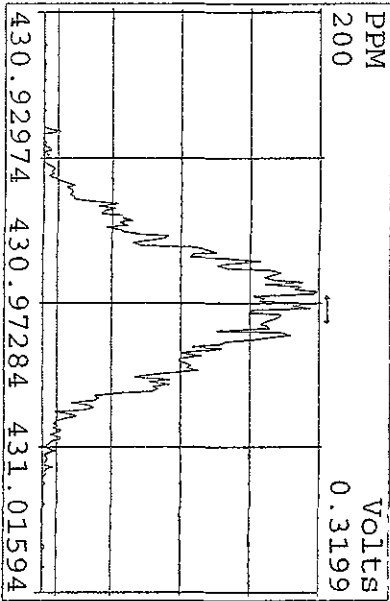
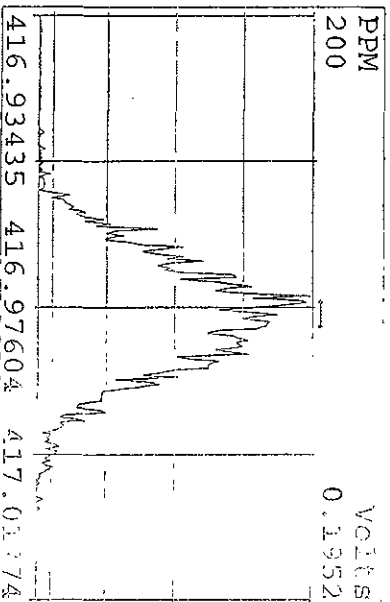
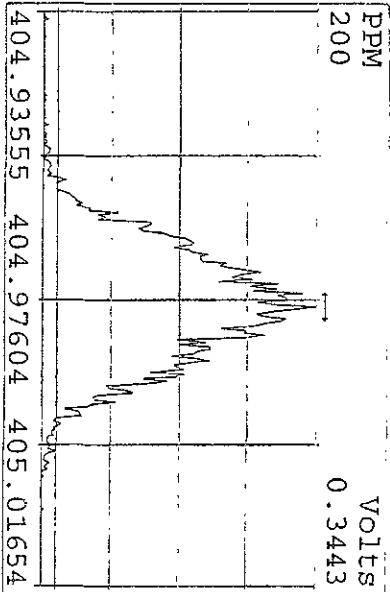
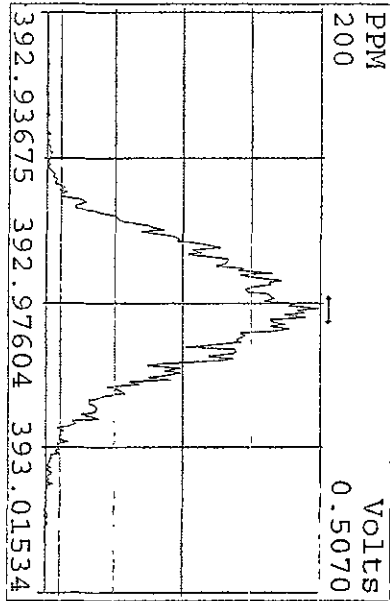
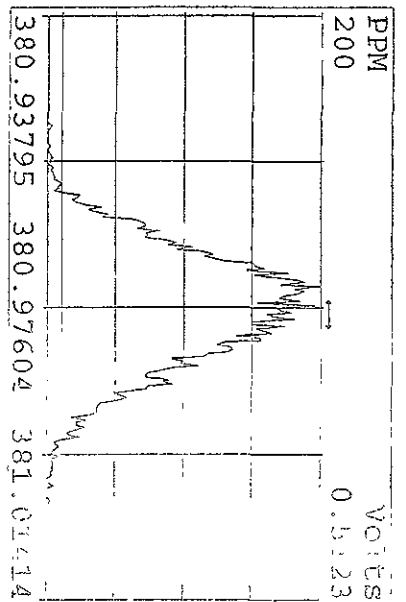
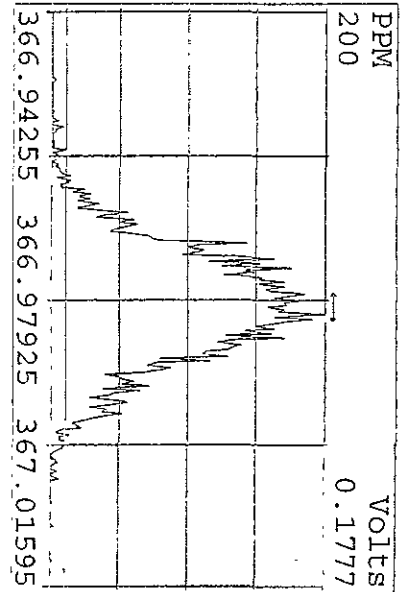
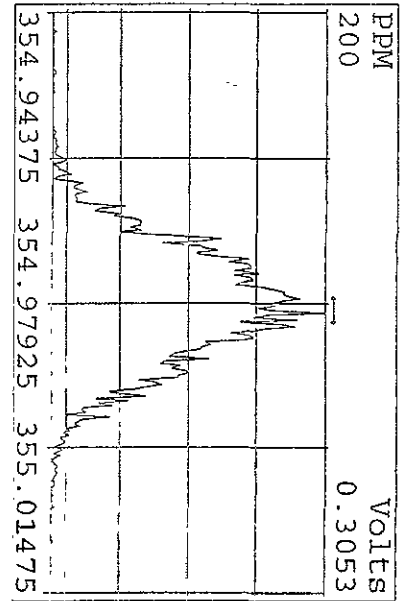
Peak Locate Examination: 16-MAR-2009: 19:14 File: 16MR09A9D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



Peak Locate Examination:16-MAR-2009:19:16 File:16MR09A9D5  
Experiment:209DB5 Function:3 Reference:PK

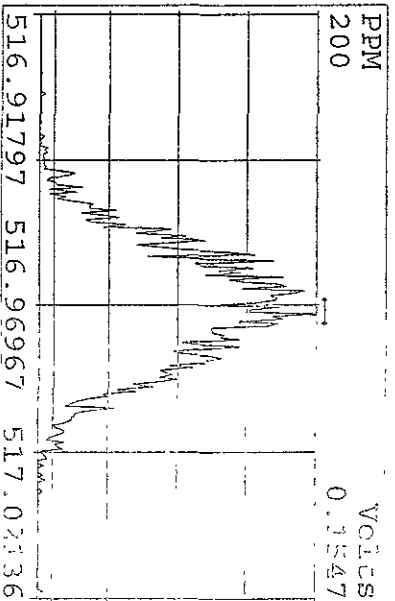
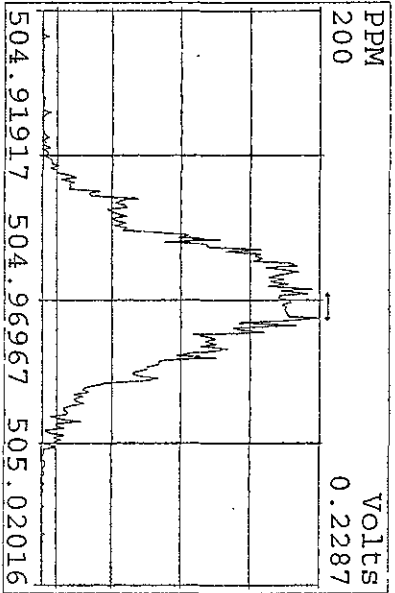
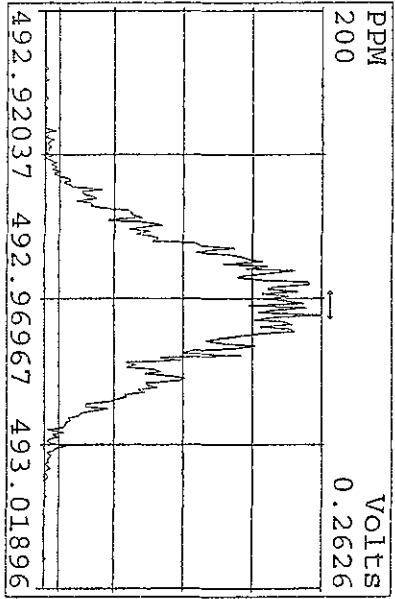
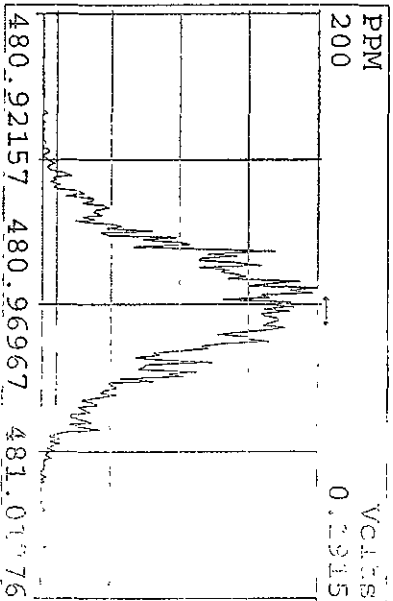
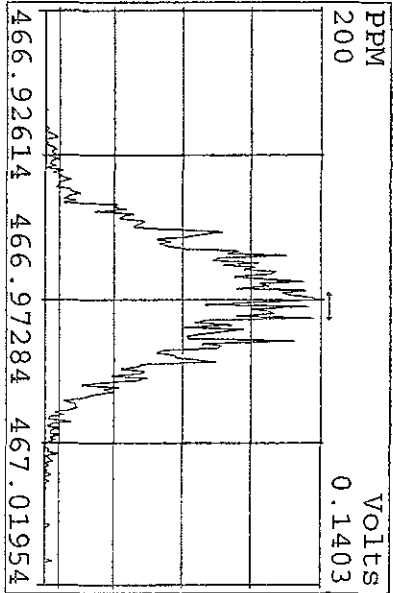
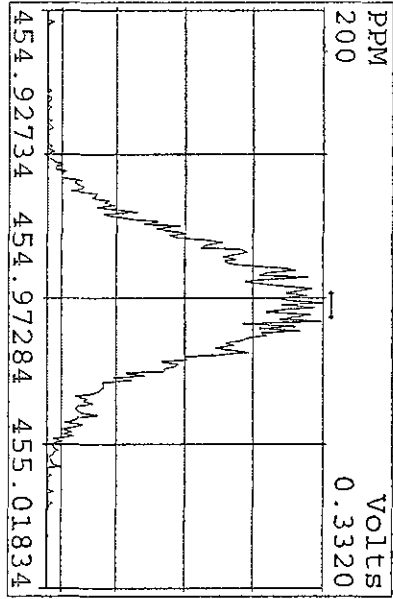
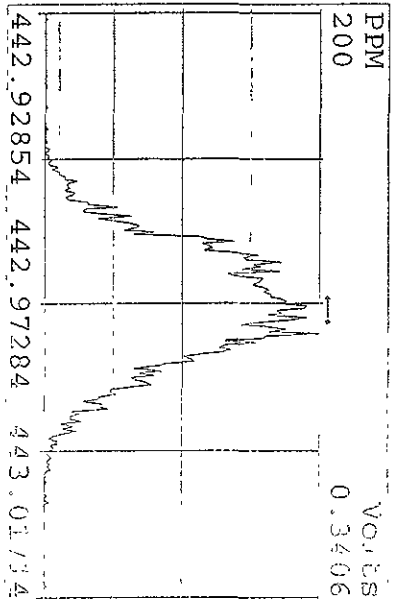
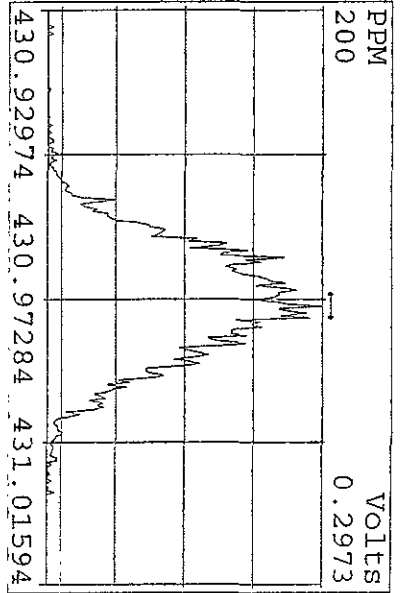
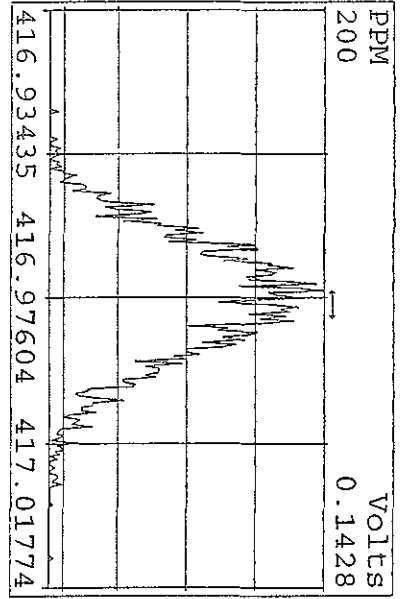


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 Experiment: 209DB5 Function: 4 Reference: PFK

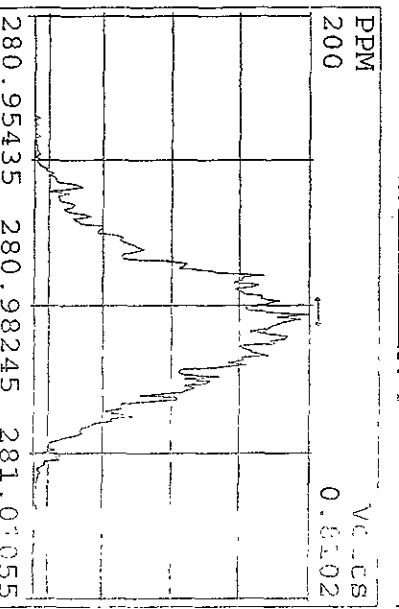
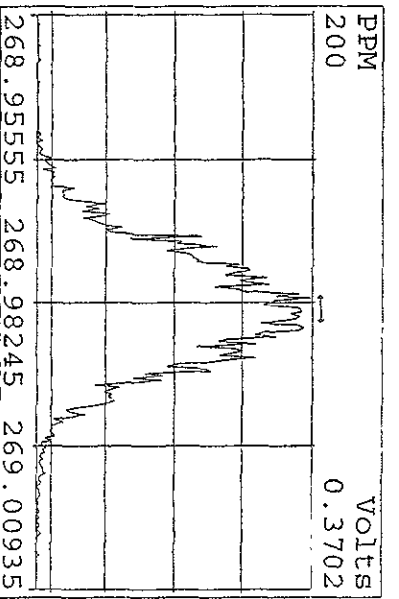
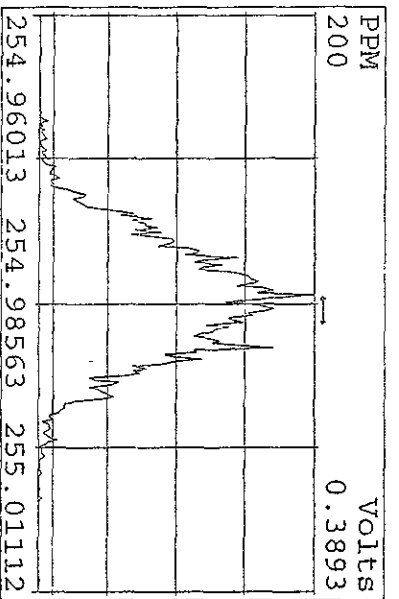
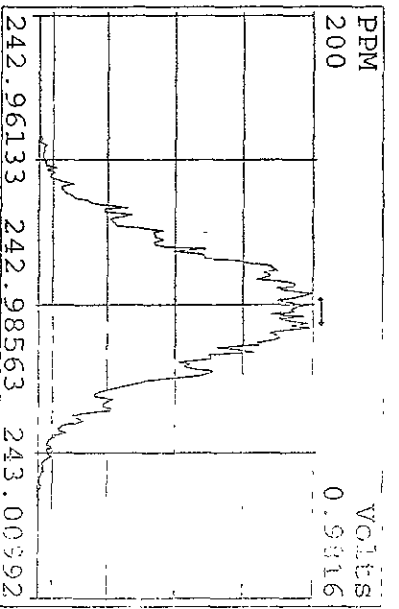
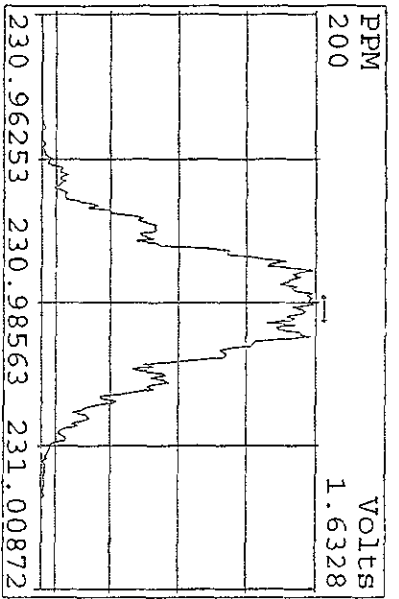
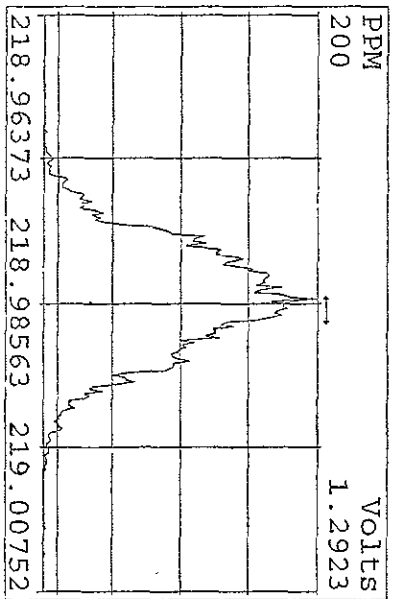
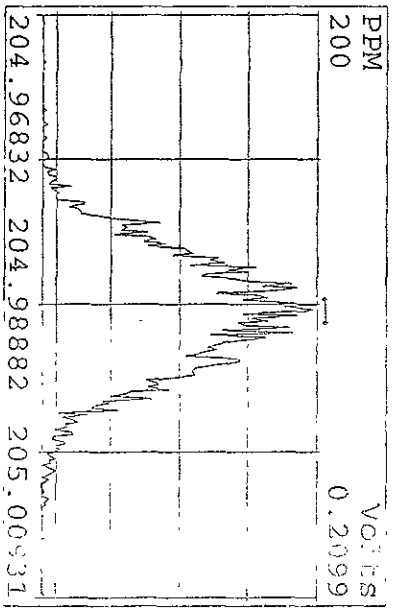
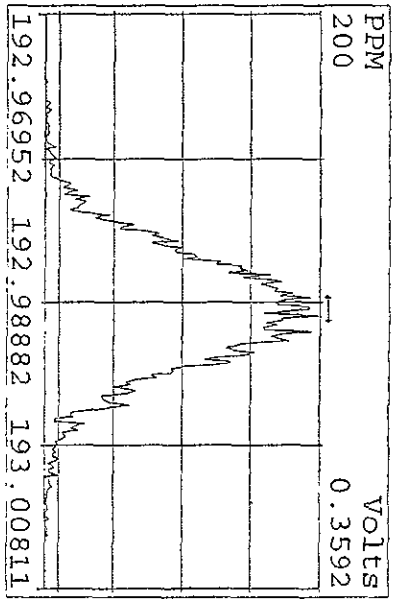
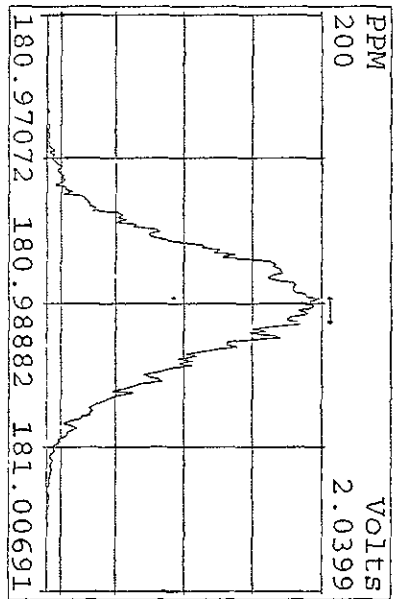




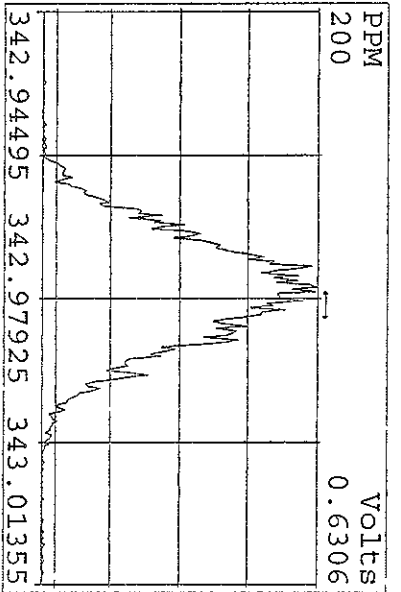
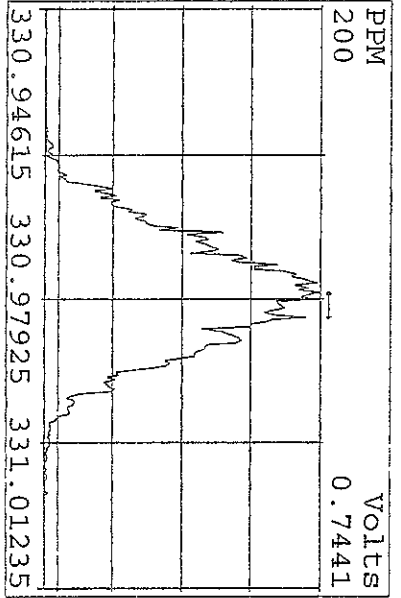
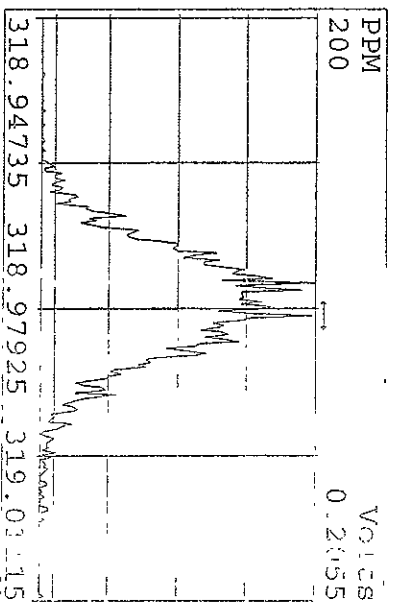
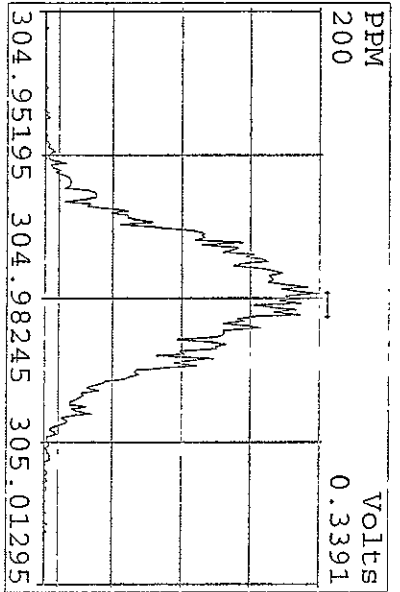
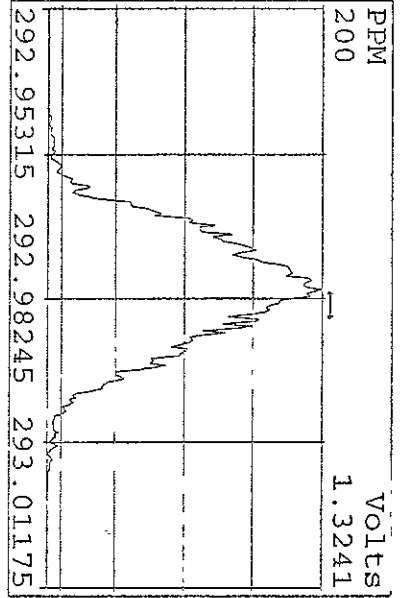
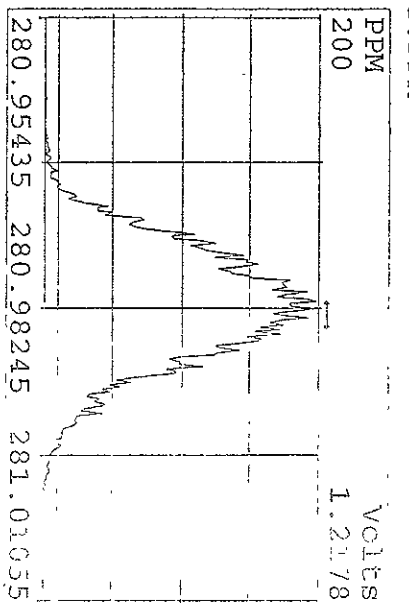
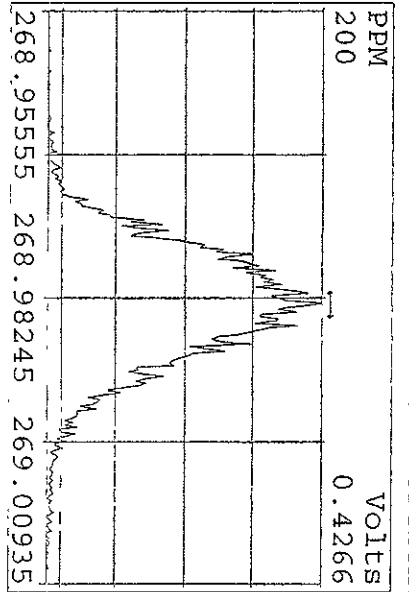
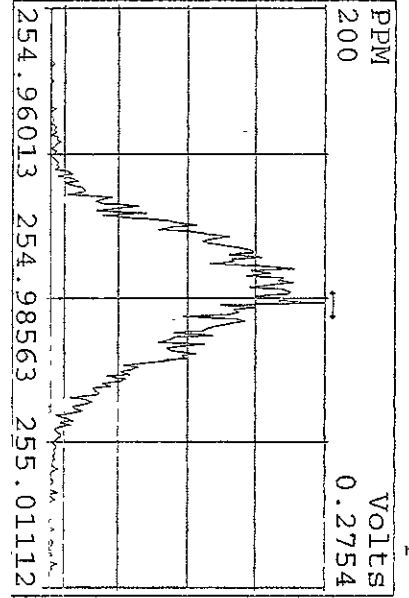
Peak Locate Examination:16-MAR-2009:19:20 File:16MR09A9D5  
 Experiment:209DB5 Function:5 Reference:PFK



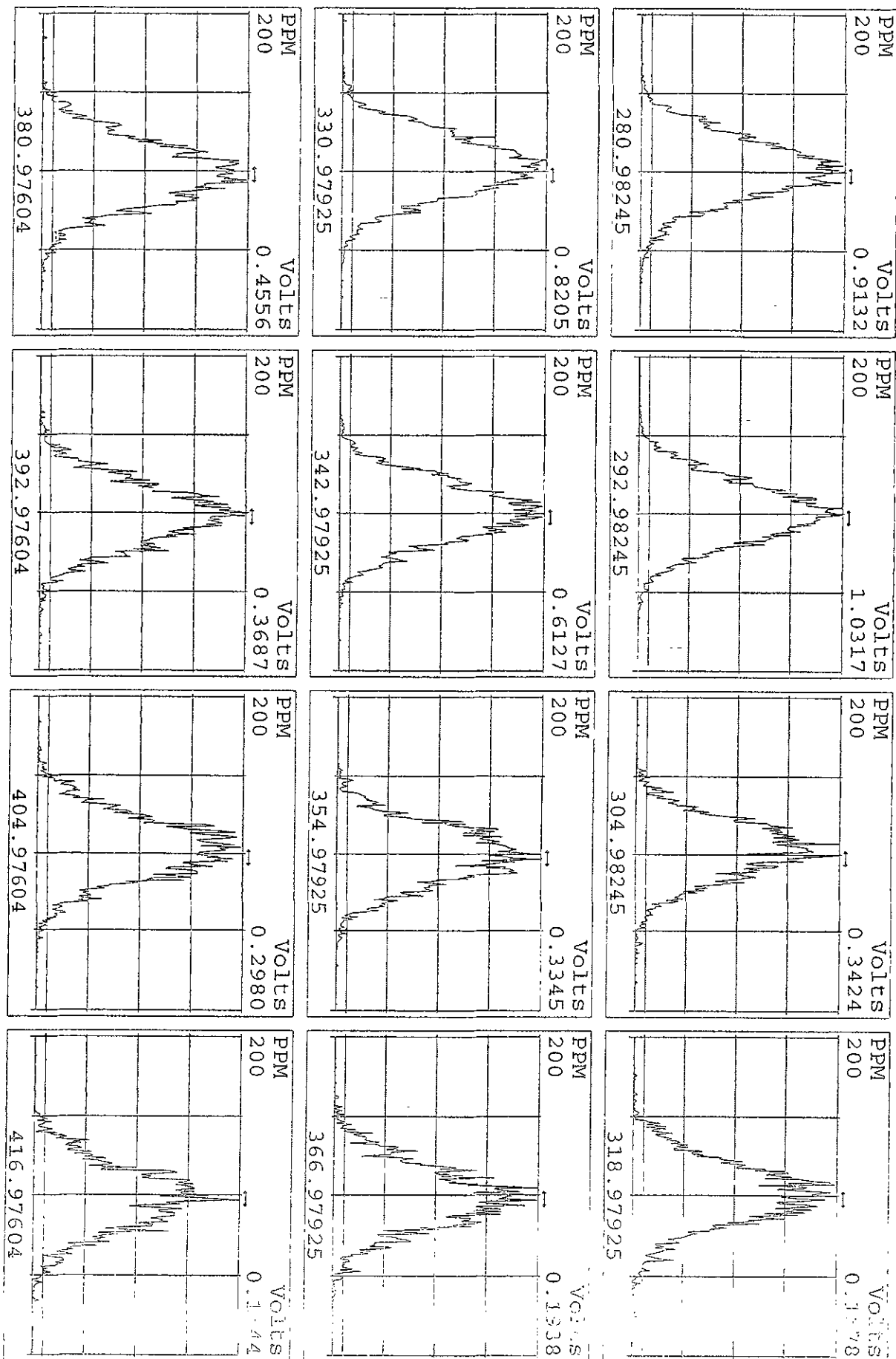
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 Experiment: 209DB5 Function: 1 Reference: PFK



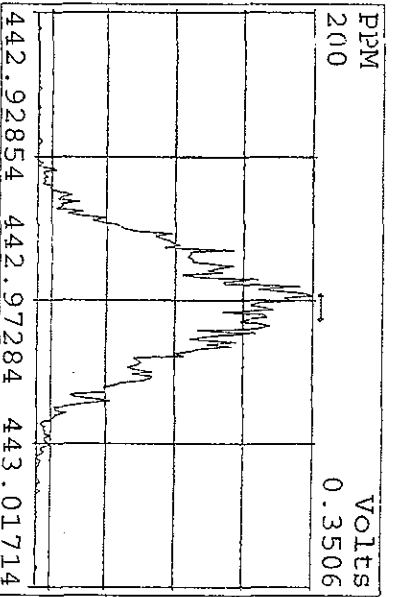
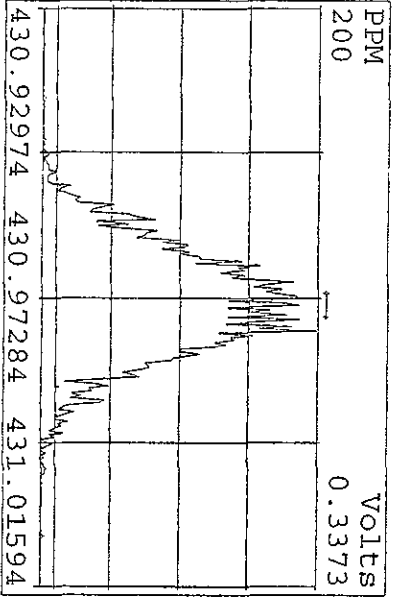
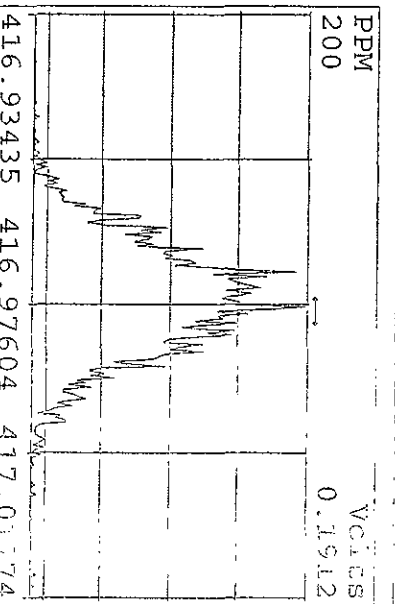
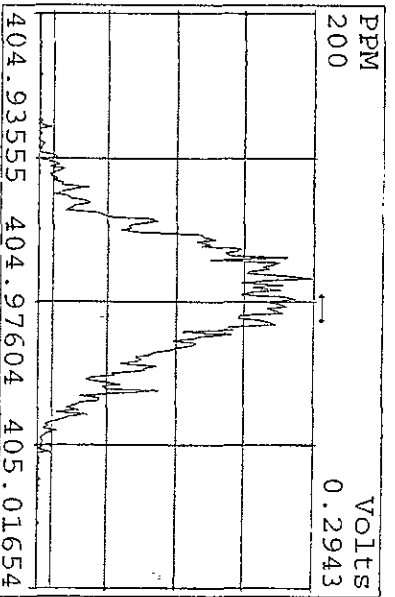
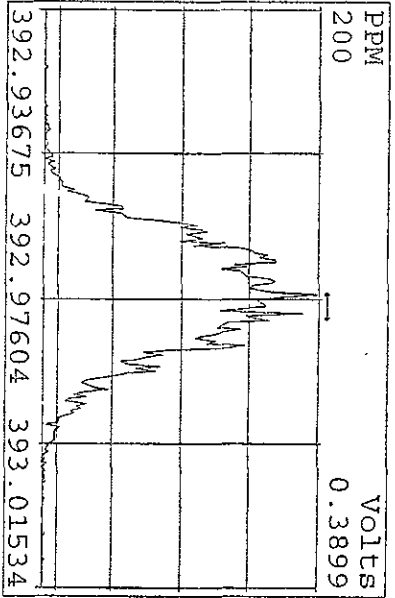
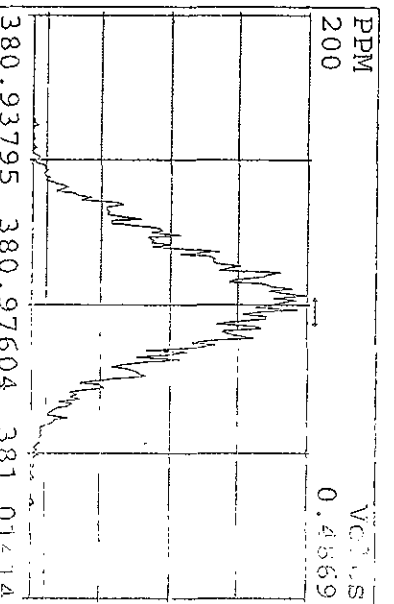
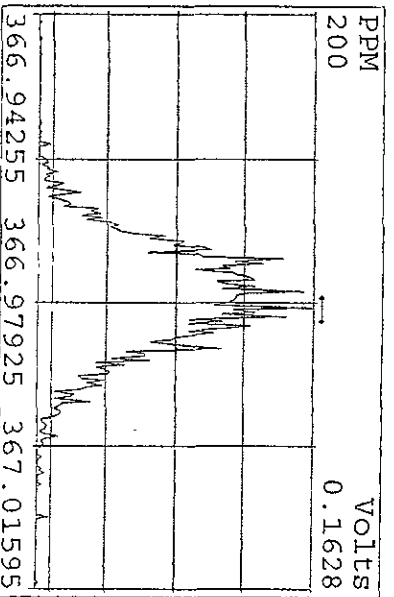
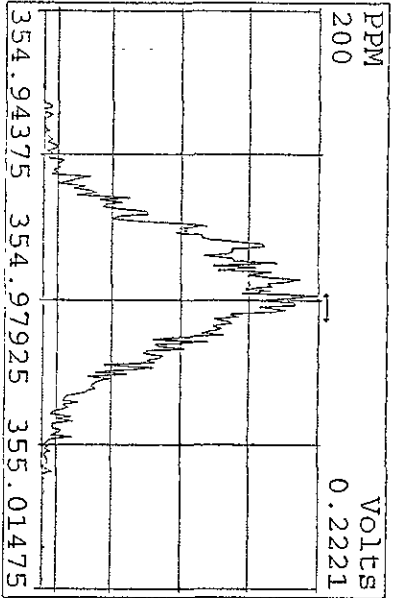
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 Experiment:209DB5 Function:2 Reference:PFK



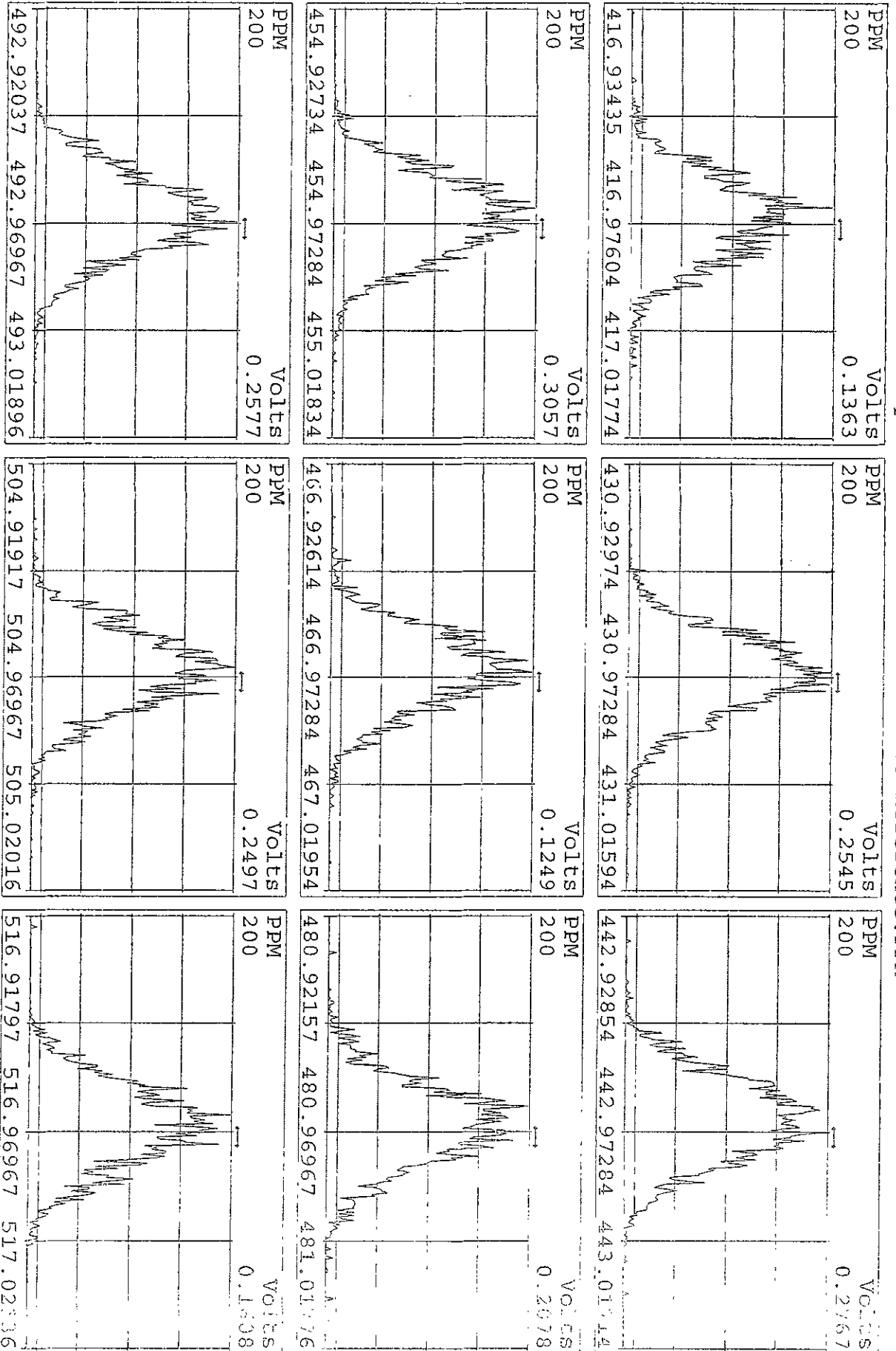
Peak Locate Examination:17-MAR-2009:08:43 File:16MR09A9D5ENDRES  
Experiment:209DB5 Function:3 Reference:PFK



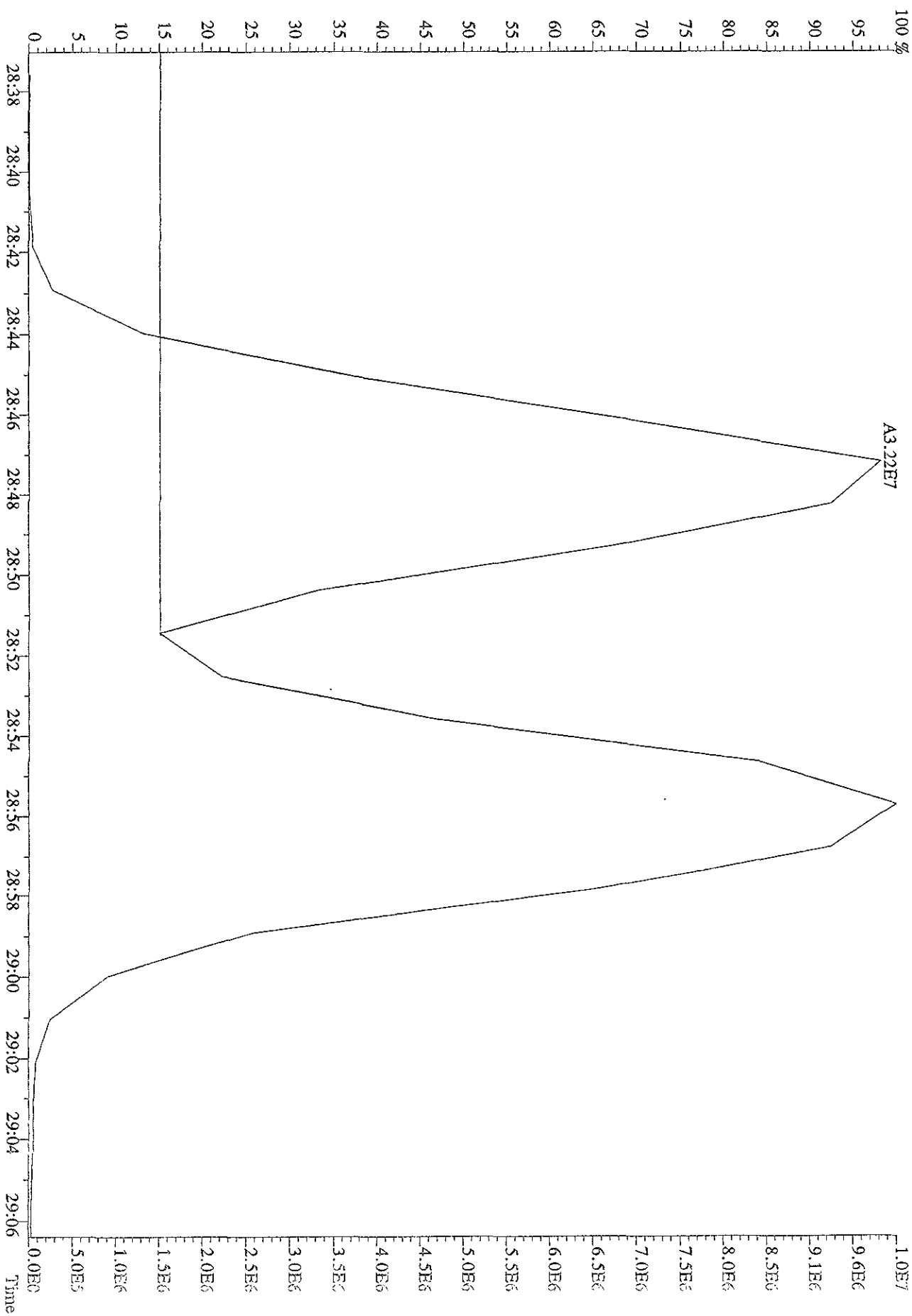
Peak Locate Examination: 17-MAR-2009:08:43 File: 16MR09A9D5ENDRES  
 Experiment: 209DB5 Function: 4 Reference: PFK



Peak Locate Examination:17-MAR-2009:08:43 File:16MR09A9D5ENDRES  
 Experiment:209DB5 Function:5 Reference:PFK



File: 16MR09A9D5 #1-595 Acq: 16-MAR-2009 19:24:20 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text: ST0316 :CS3 09DXN016 Exp: 209DB5  
 323,8834 P:3



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 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

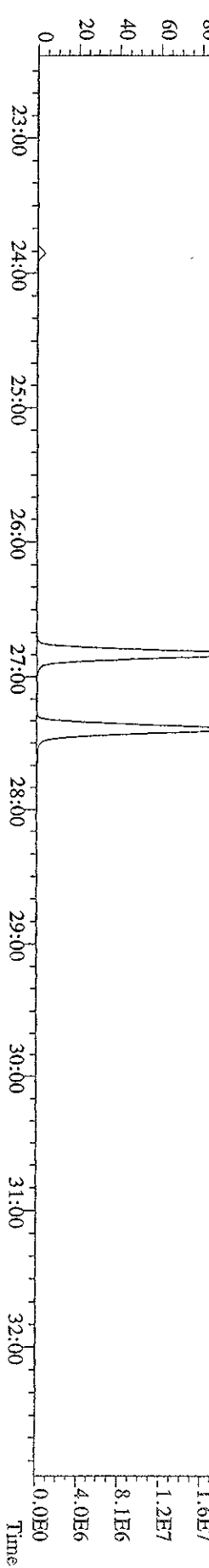
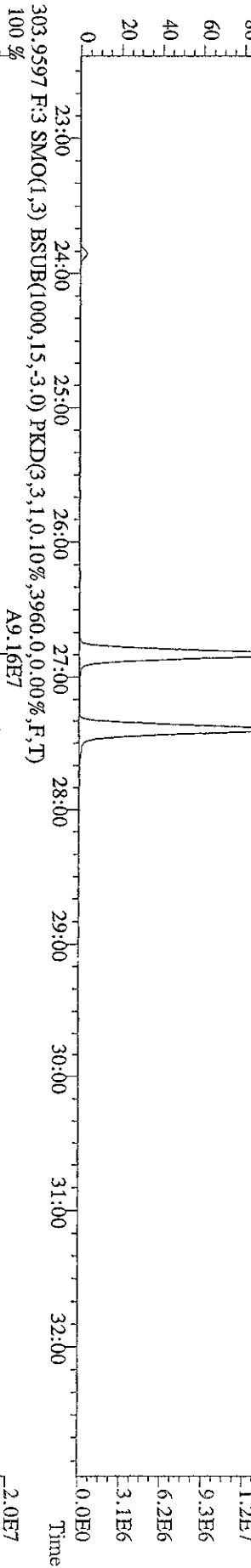
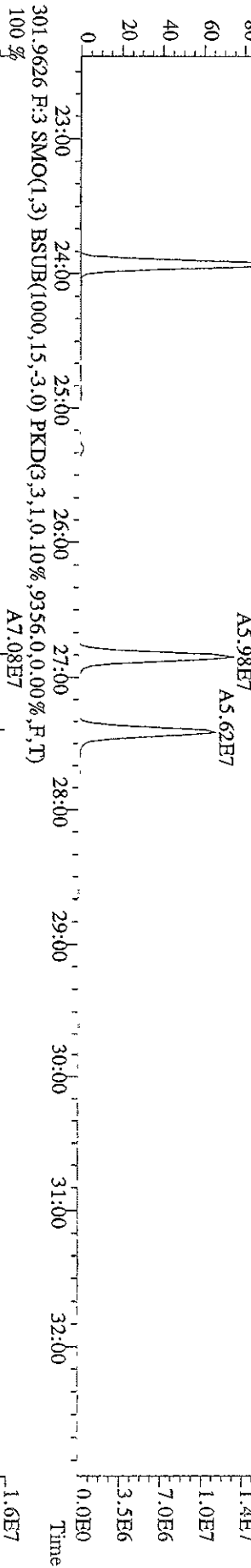
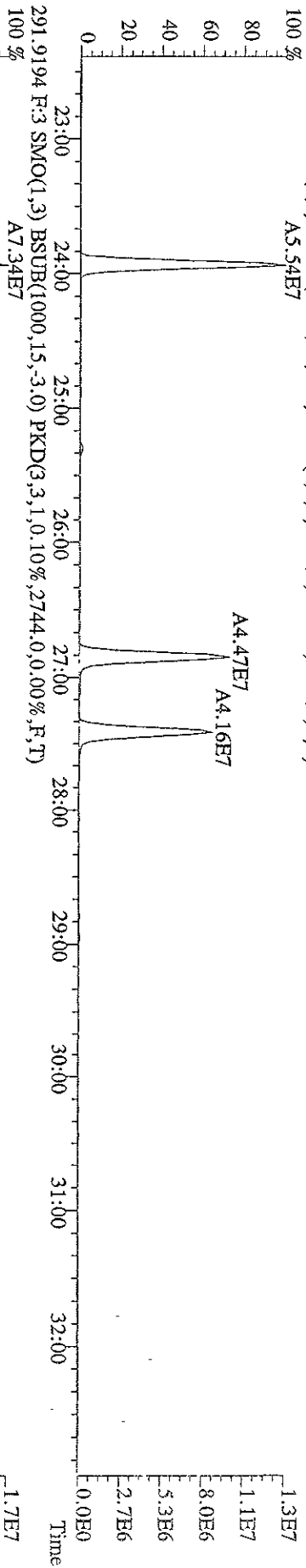
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Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
13C-PecB-101	-	-	- %	-	-	-	-	-
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PecB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PecB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PecB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PecB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PecB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PecB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PecB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PecB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PecB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PecB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54



13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DecB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DECB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PecB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

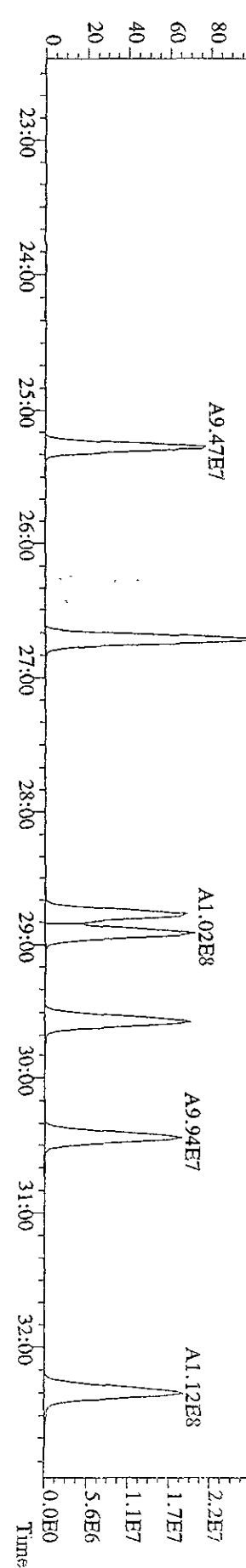
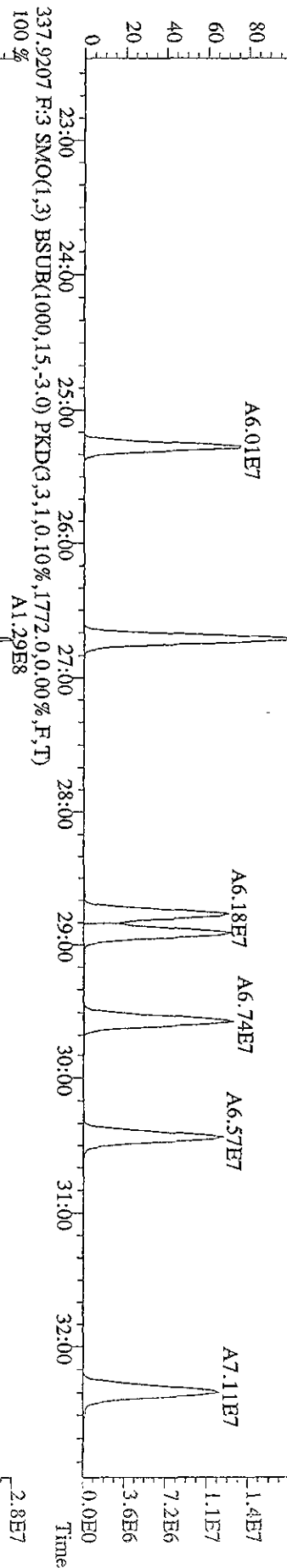
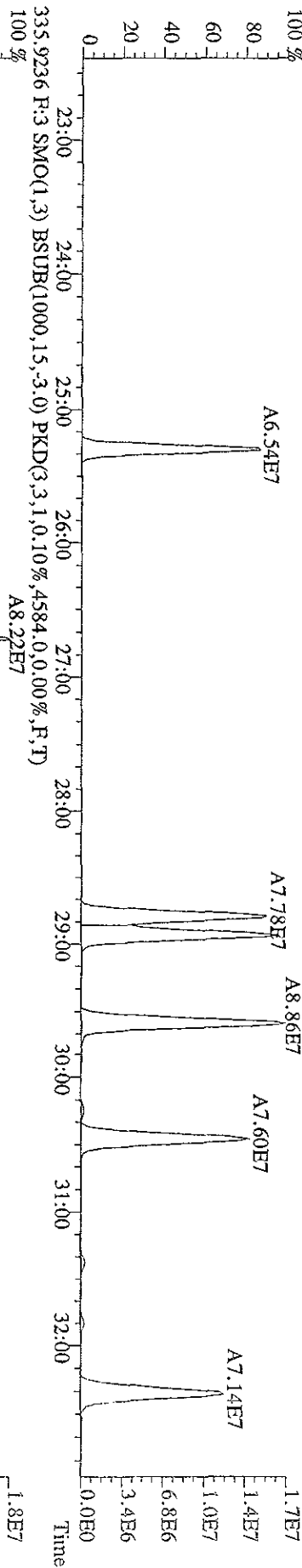
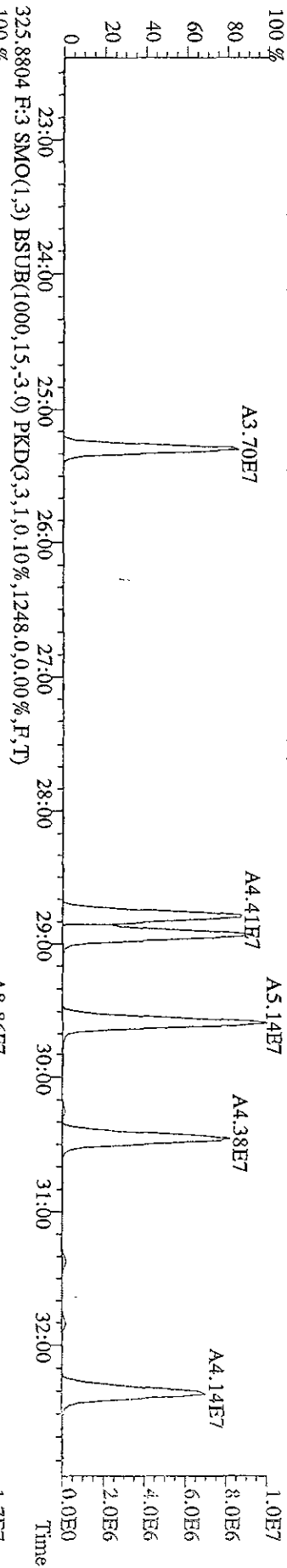
File: 16MR09A9D5 #1-595 Acq: 16-MAR-2009 19:24:20 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0316 :CS3 09DXN016 Exp: 209DB5  
 289.9224 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2884.0,0.00%,F,T)  
 100% A5.54E7



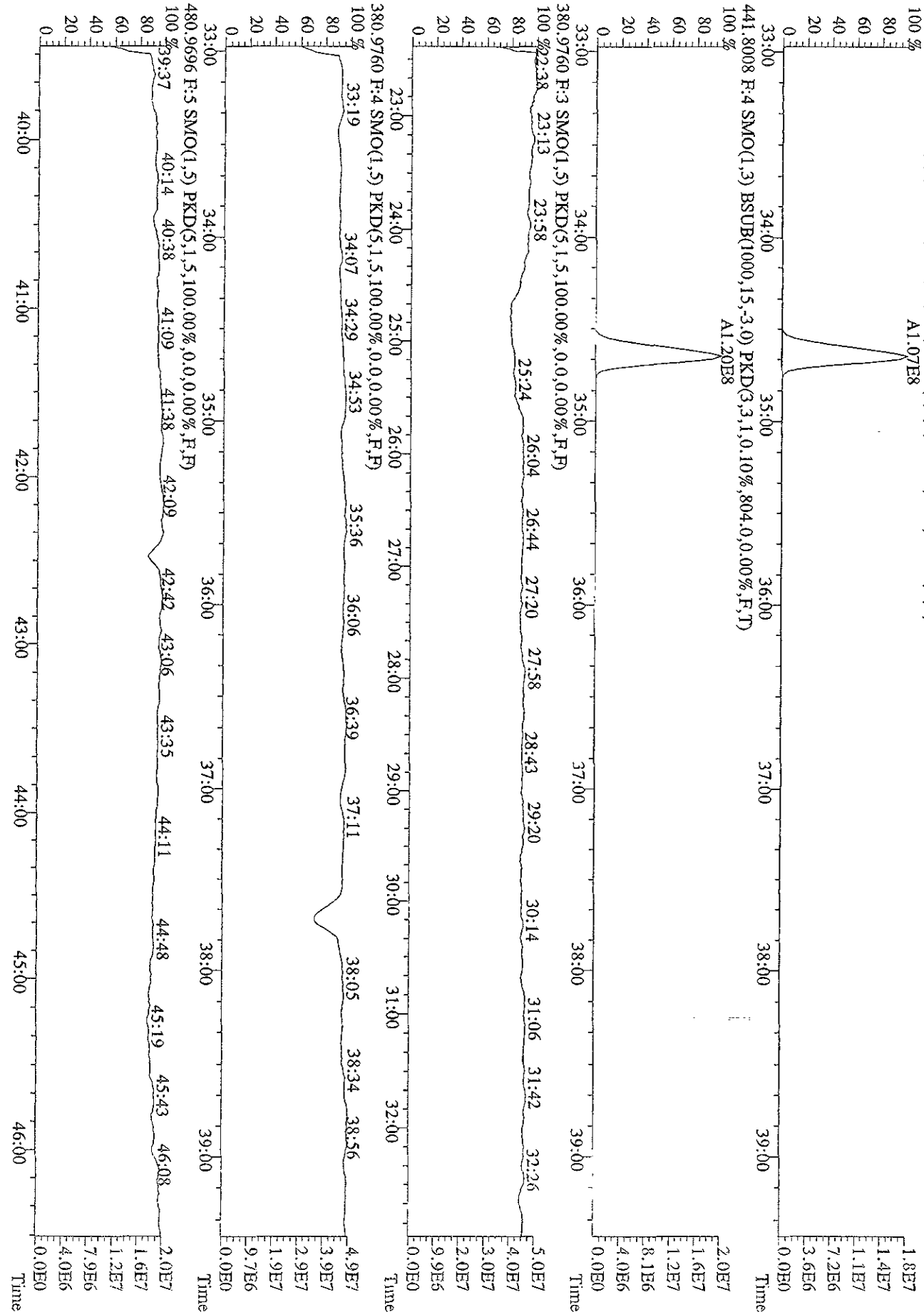
File:16MR09A9D5 #1-595 Acq:16-MAR-2009 19:24:20 GC EI+ Voltage SIR Autospec-UltimaE

Sample#1 Text:ST0316 :CS3 09DXN016 Exp:209DB5

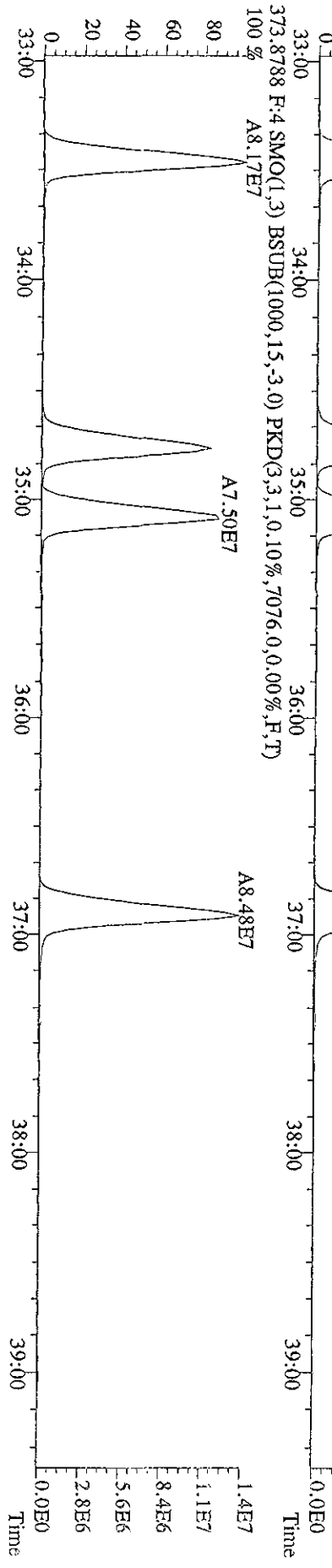
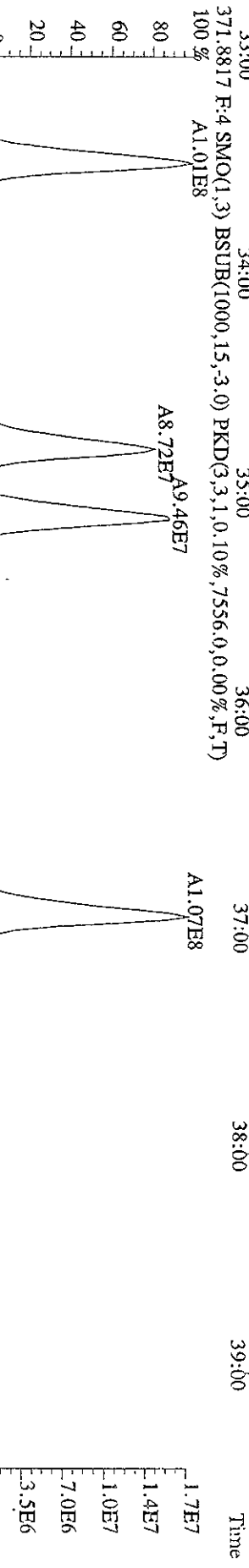
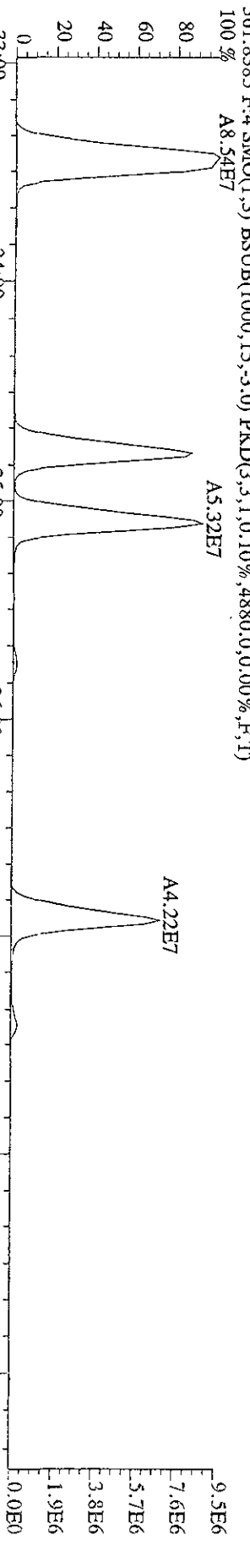
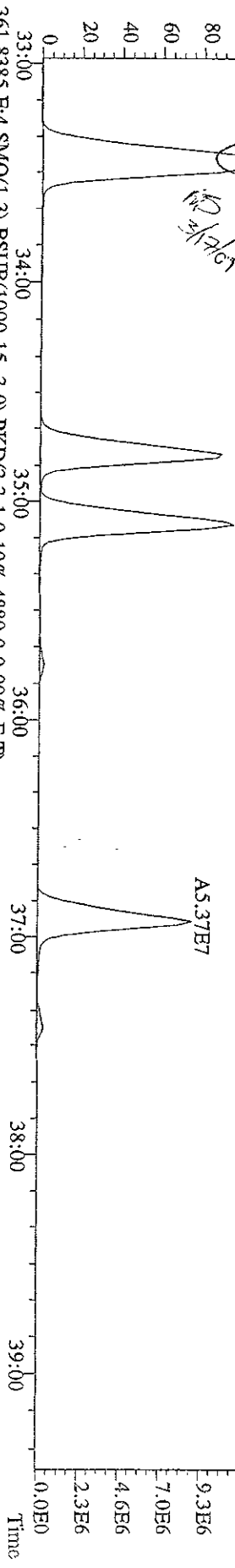
323.8834 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2792.0,0.00%,F,T)



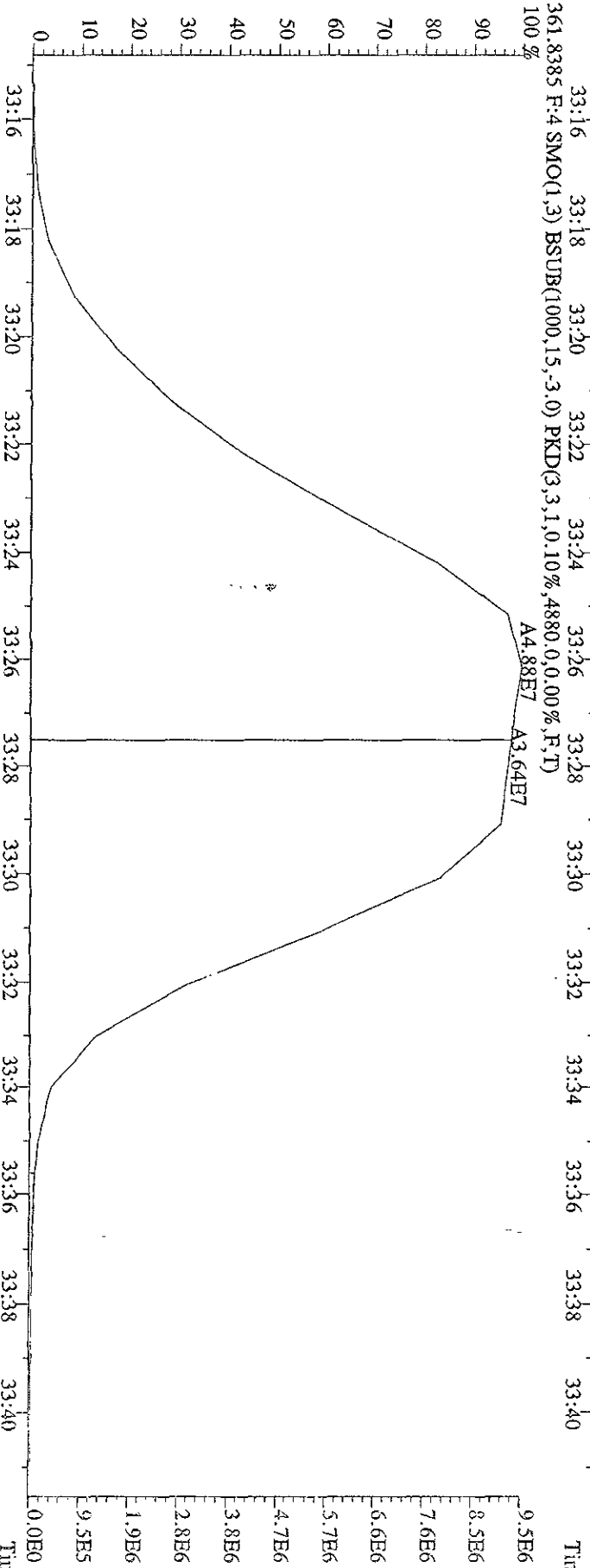
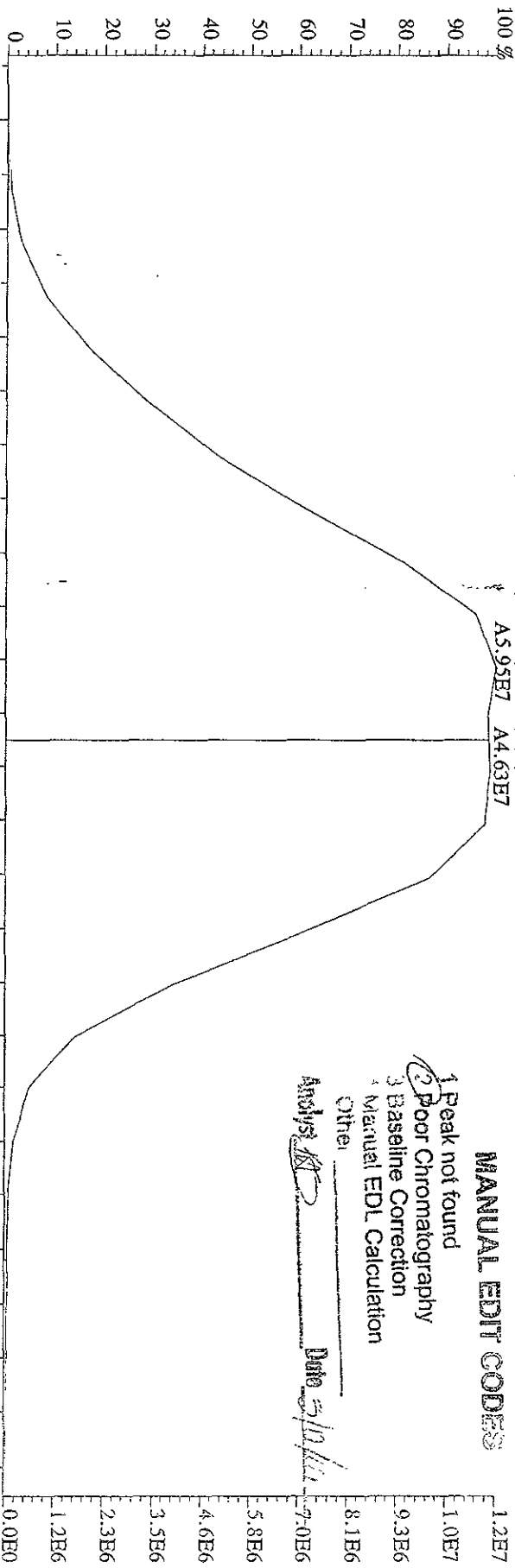
File: 16MR09A9D5 #1-394 Acq: 16-MAR-2009 19:24:20 GC EI+ Voltage: SIR Autospec-Ultimate  
 Sample#1 Text: ST0316 : CS3 09DXN016 Exp: 209DB5  
 439.8038 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,96,0,0.00%,F,T)  
 A1.07E8



File: 16MR09A9D5 #1-394 Acq: 16-MAR-2009 19:24:20 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample #1 Text: ST0316 : CS3 09DXN016 Exp: 209DB5  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,6732.0,0.00%,F,T)  
 100% A106E8 A6.71E7



File:16MR09A9D5 #1-394 Acq:16-MAR-2009 19:24:20 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0316 :CS3 09DXN016 Exp:209DB5  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,6732.0,0.00%,F,T)  
 100%

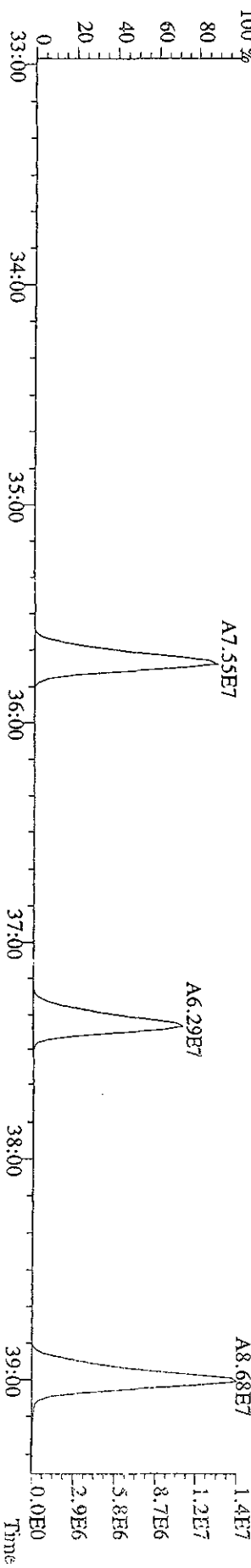
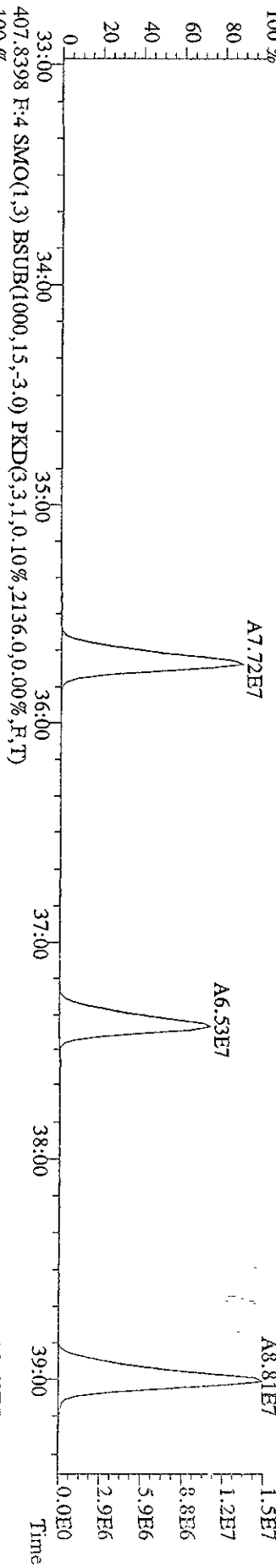
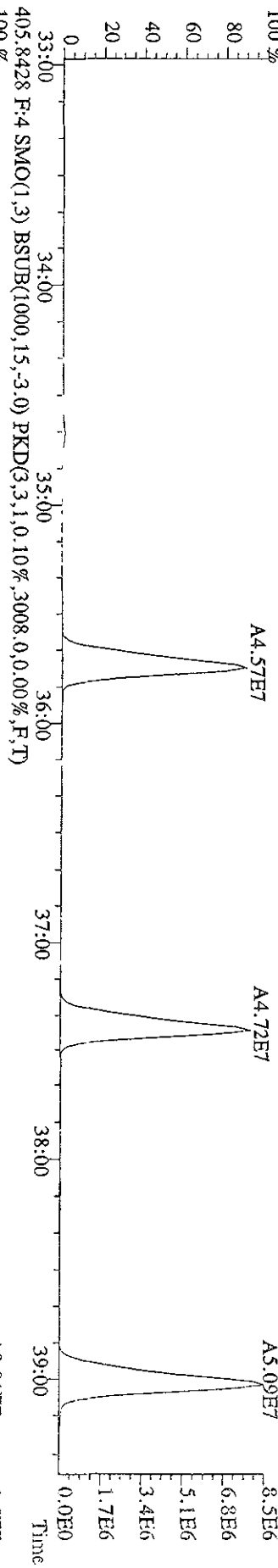
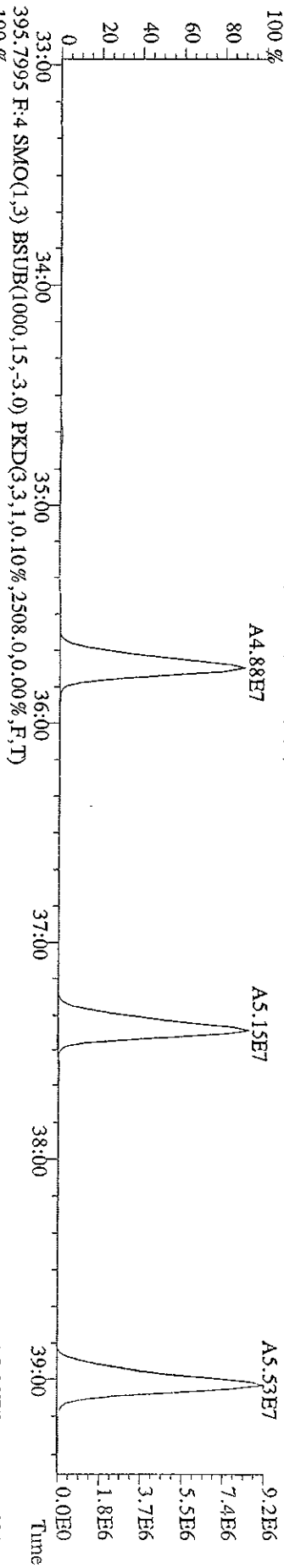


**MANUAL EDIT CODES**

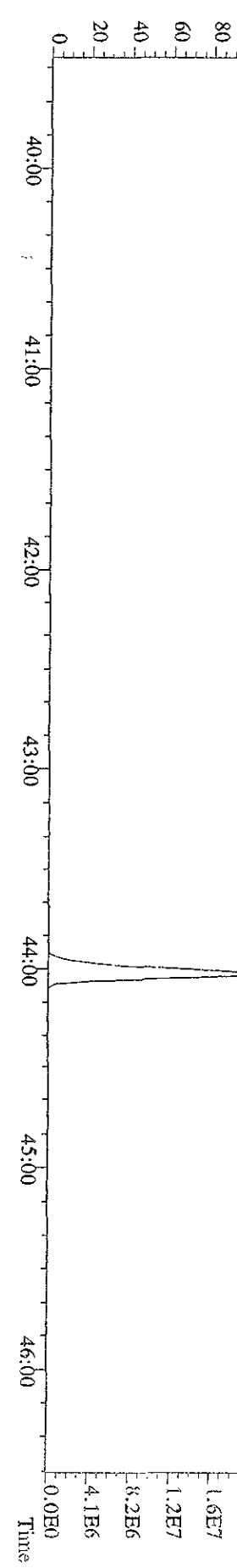
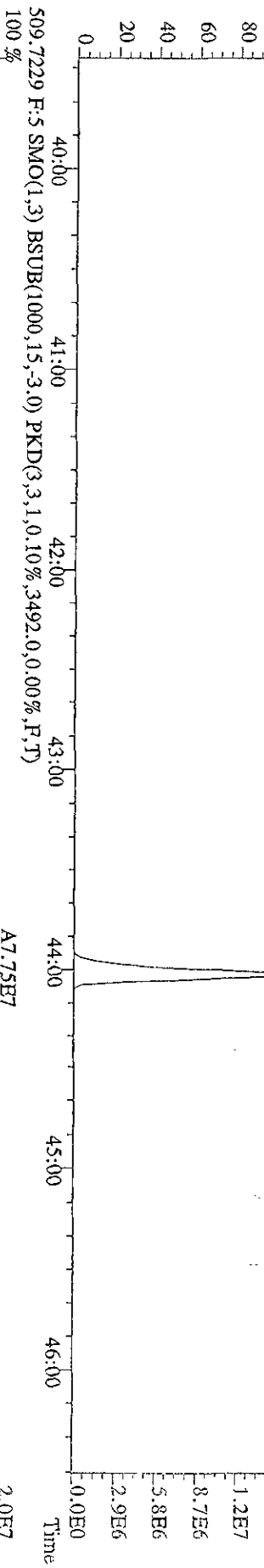
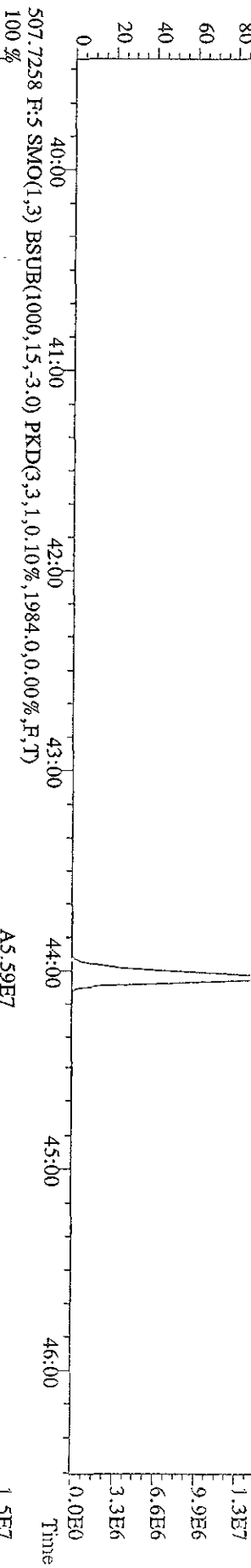
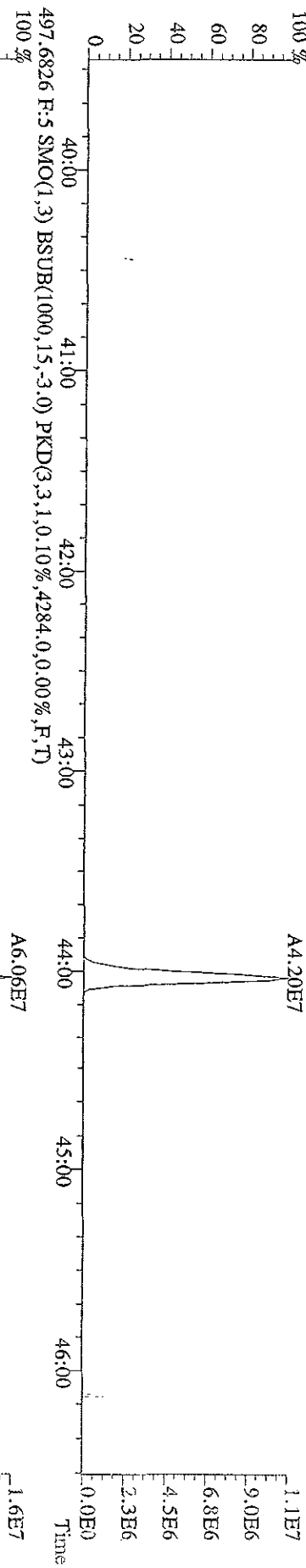
1 Peak not found  
 2 Poor Chromatography  
 3 Baseline Correction  
 4 Manual EDL Calculation  
 Other \_\_\_\_\_

Analyst *[Signature]* Date *3/10/11*

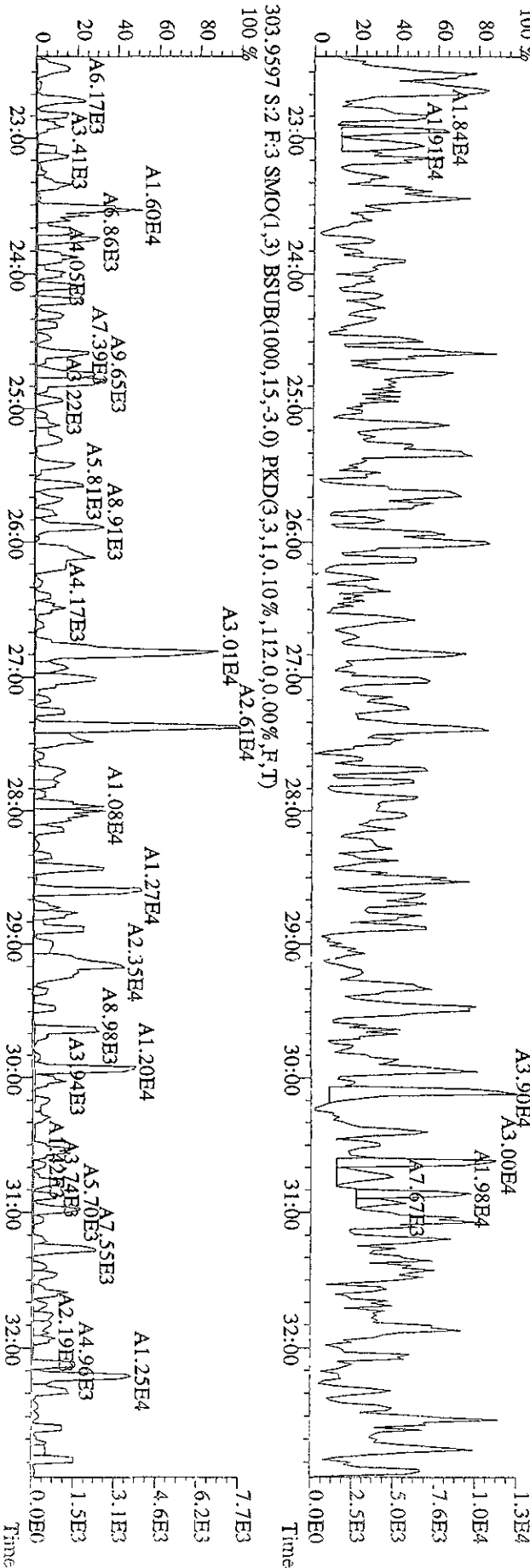
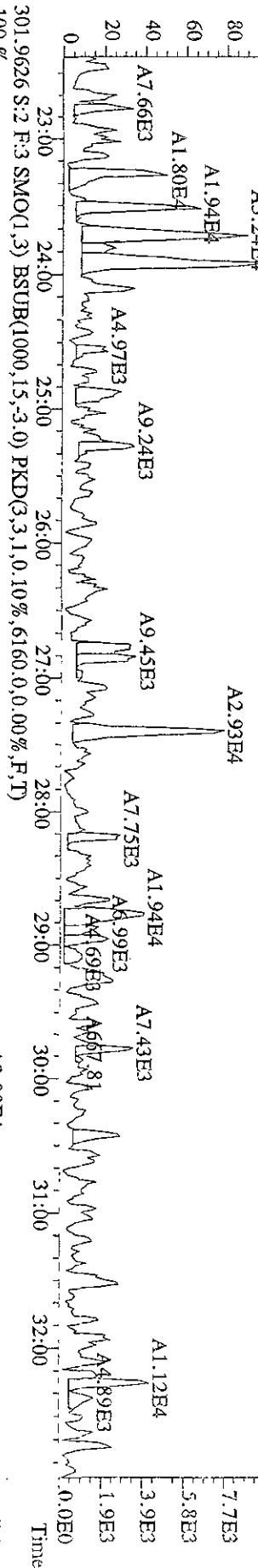
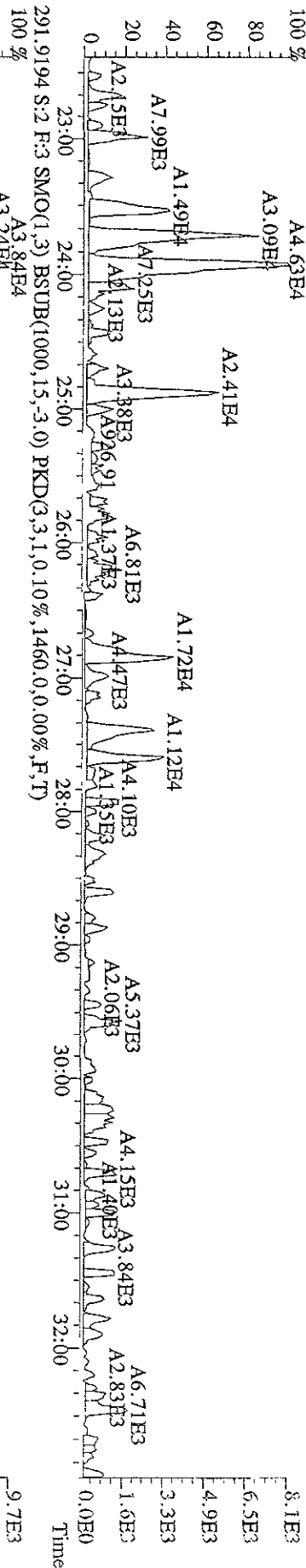
File: 16MR09A9D5 #1-394 Acq: 16-MAR-2009 19:24:20 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample #1 Text: ST0316 :CS3 09DXN016 Exp: 209DB5  
 393.8025 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4740,0,0.00%,F,T)  
 100 %

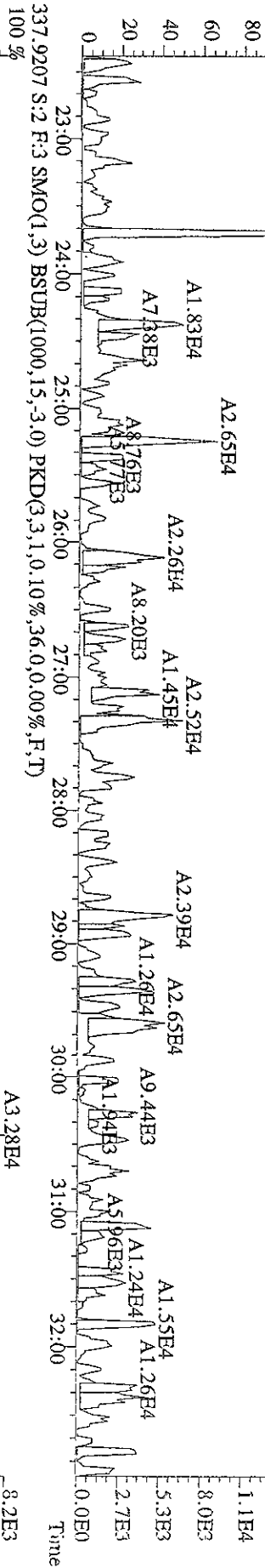
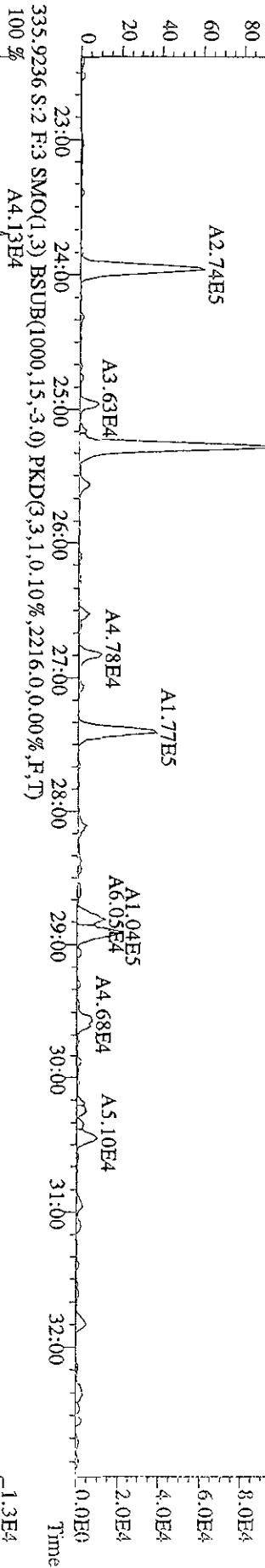
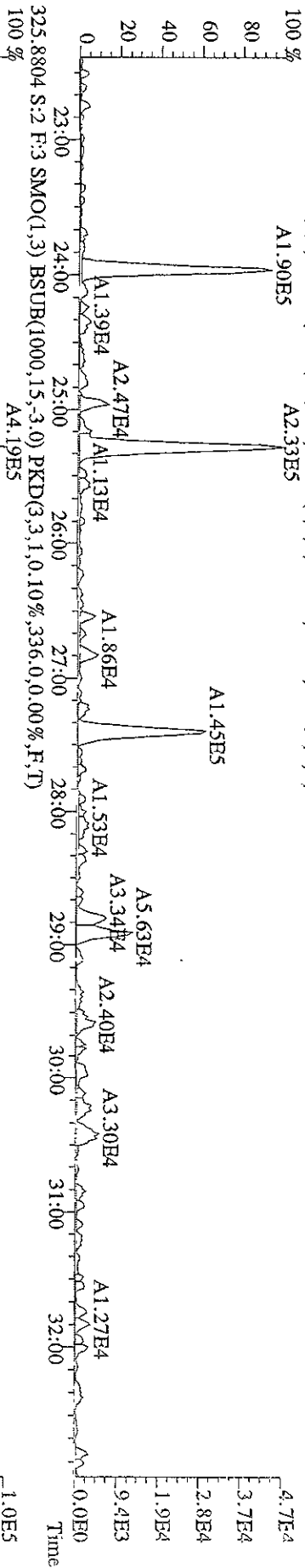


File: 16MR09A9D5 #1-469 Acq: 16-MAR-2009 19:24:20 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text: ST0316 : CS3 09DXN016 Exp: 209DB5  
 495.6856 F: 5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,3.556,0,0.00%,F,T)  
 100 %

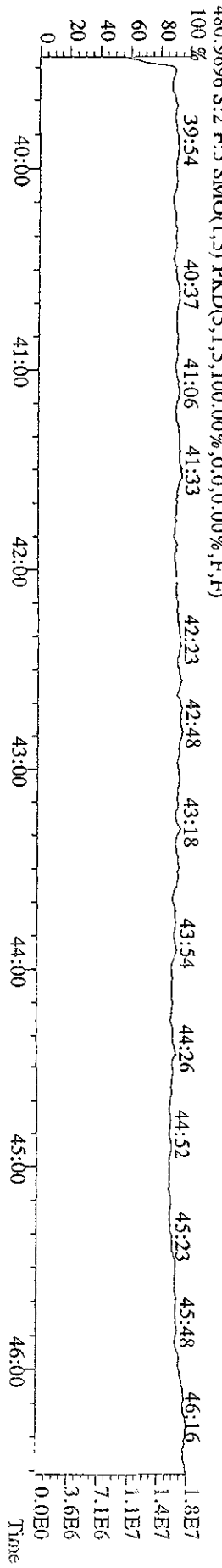
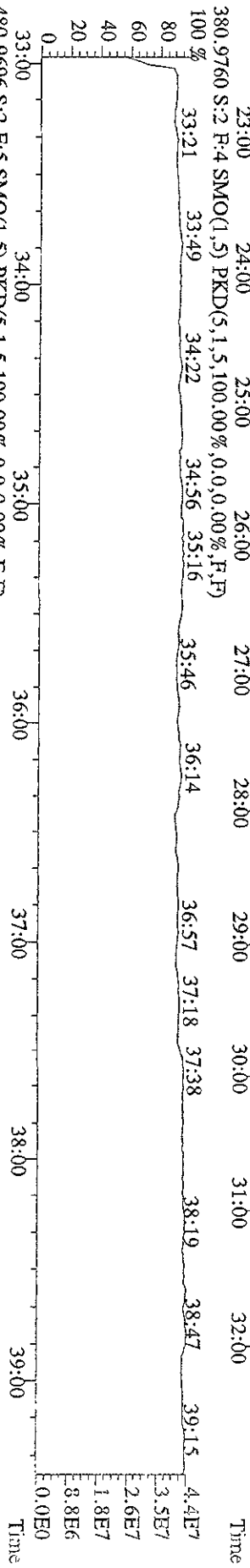
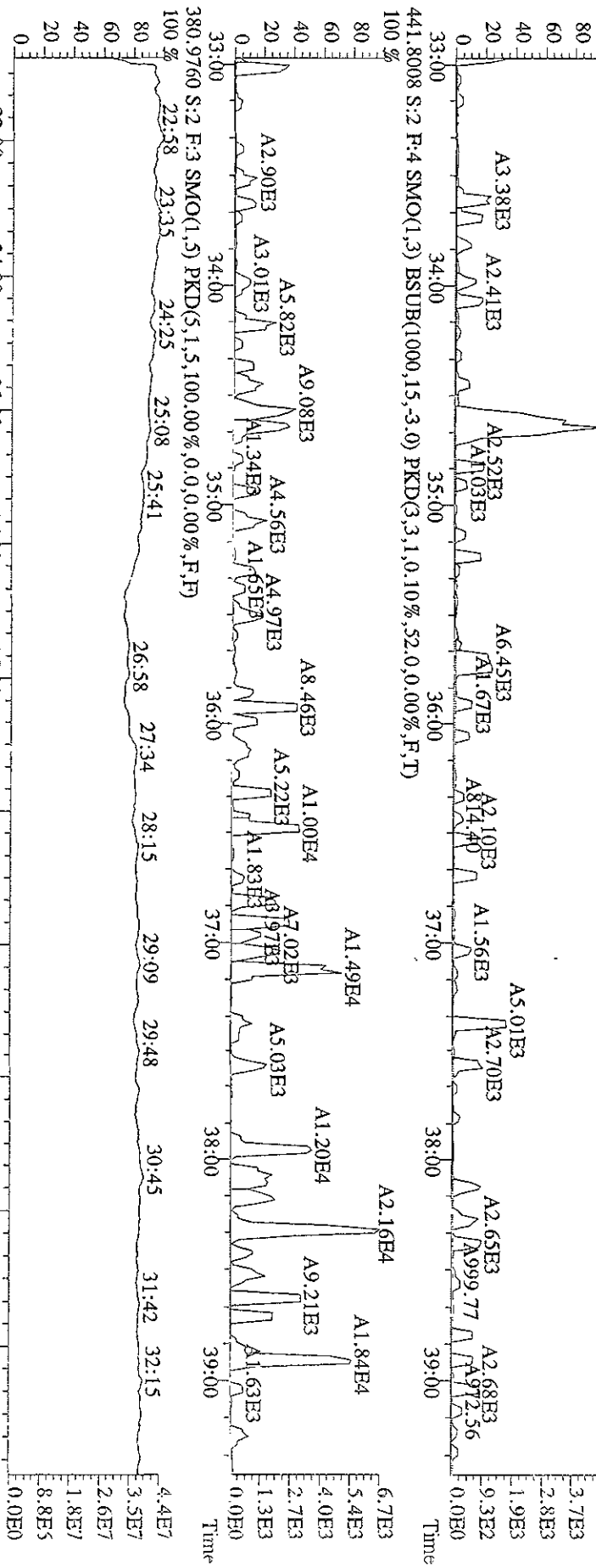




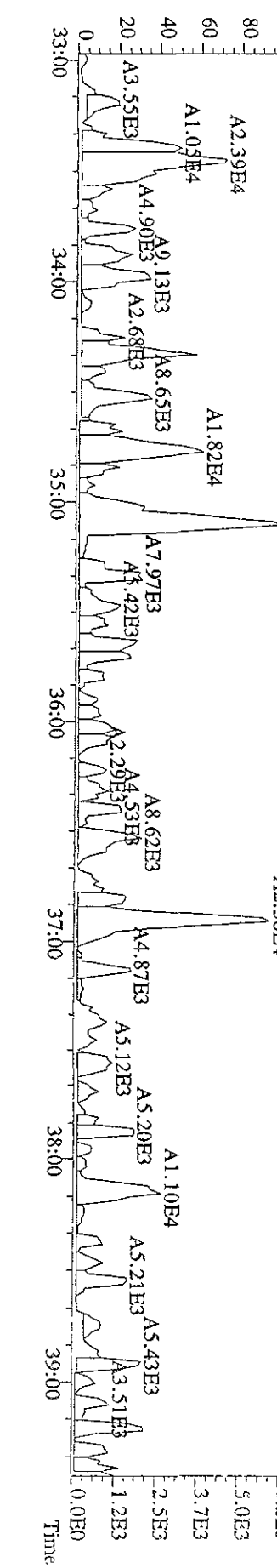
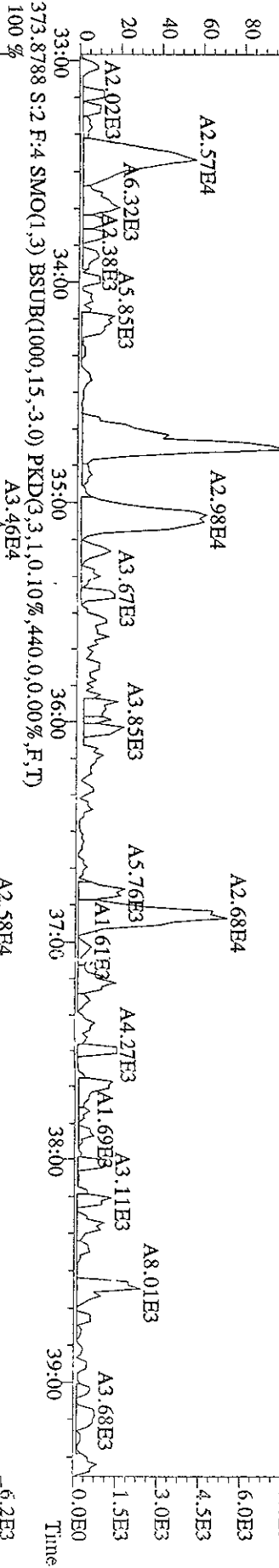
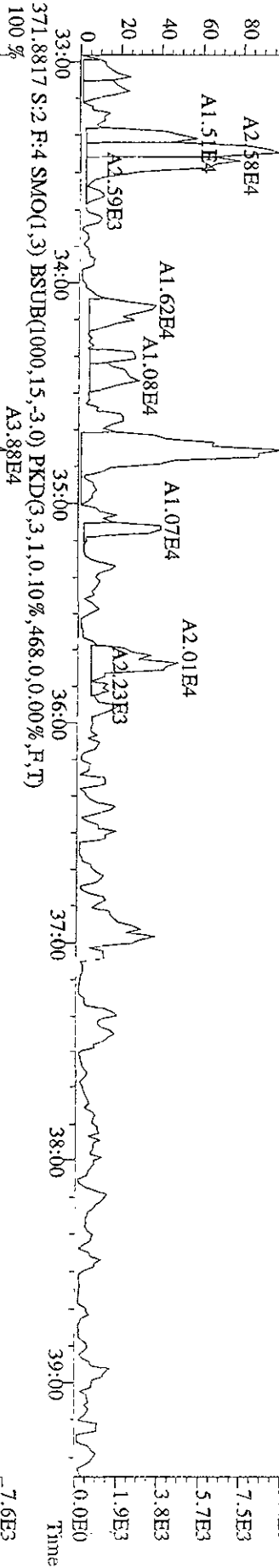
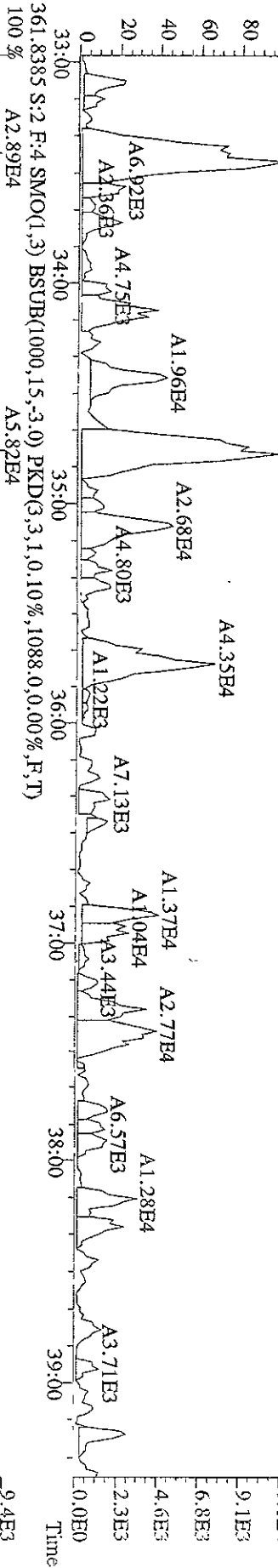




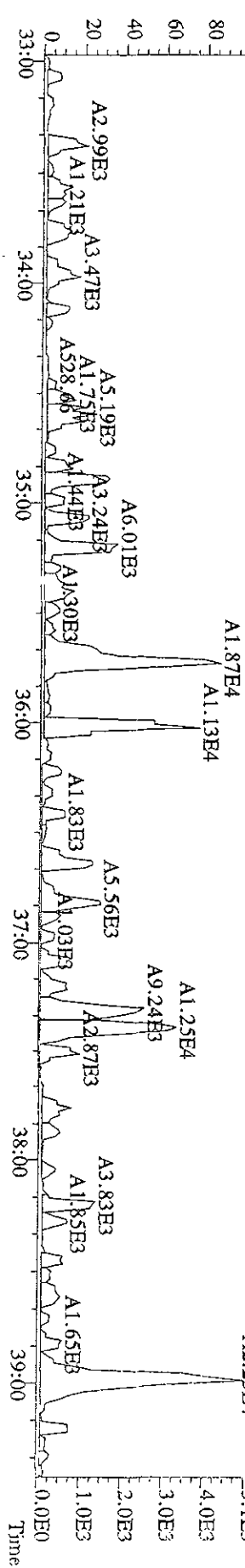
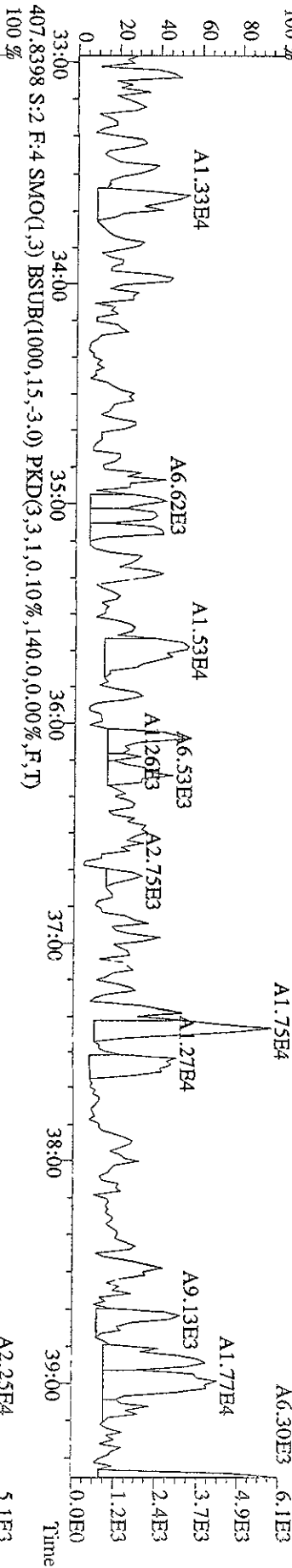
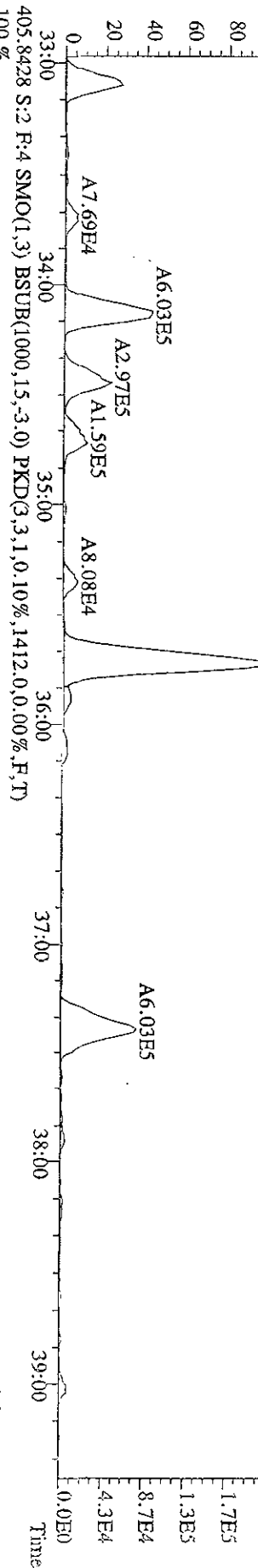
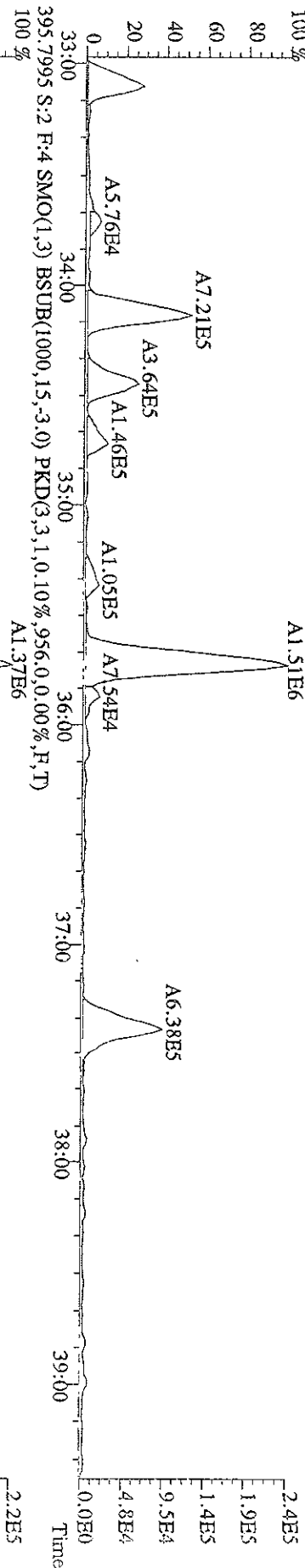
File: 16MR09A9D5 #1-394 Acq: 16-MAR-2009 20:15:40 GC EI + Voltage SIR Autospec-Ultimate  
Sample#2 Text: SB0316 : Solvent Blank C12 Exp: 209DB5  
439.8038 S: 2 F: 4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,56,0,0,00%,F,T)  
A2.34B4



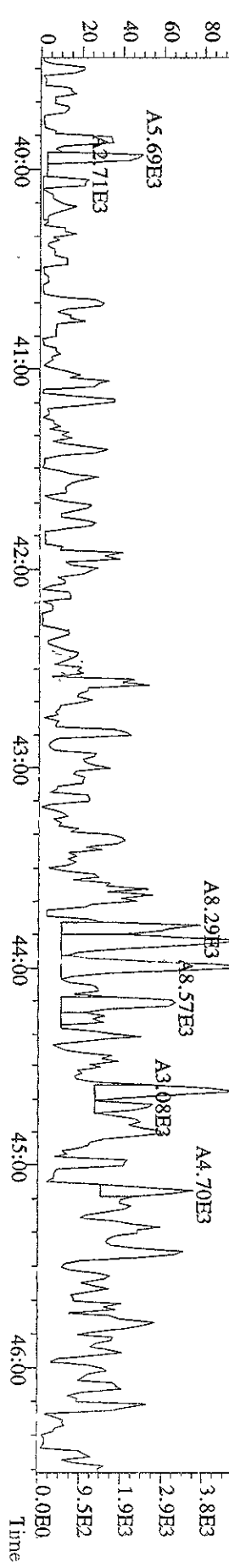
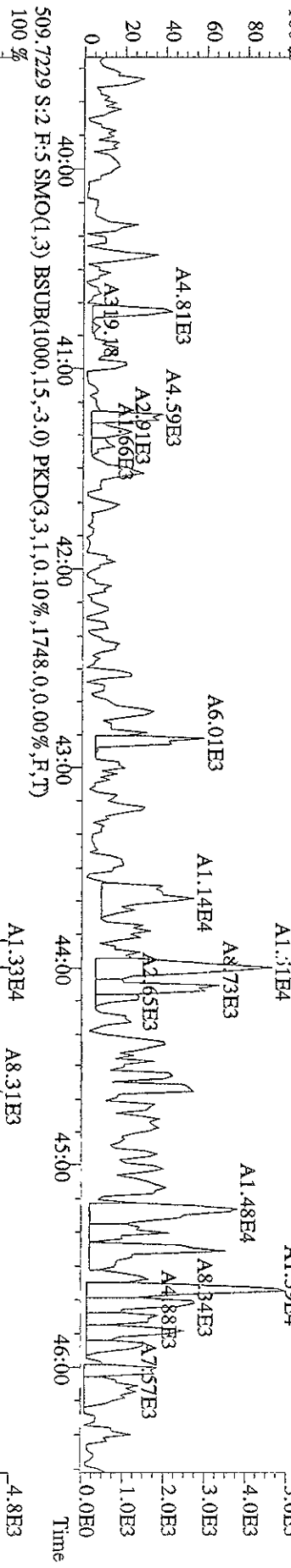
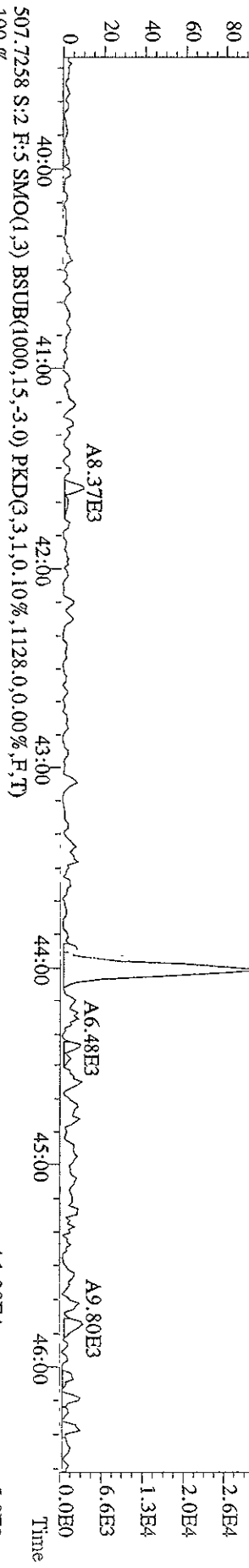
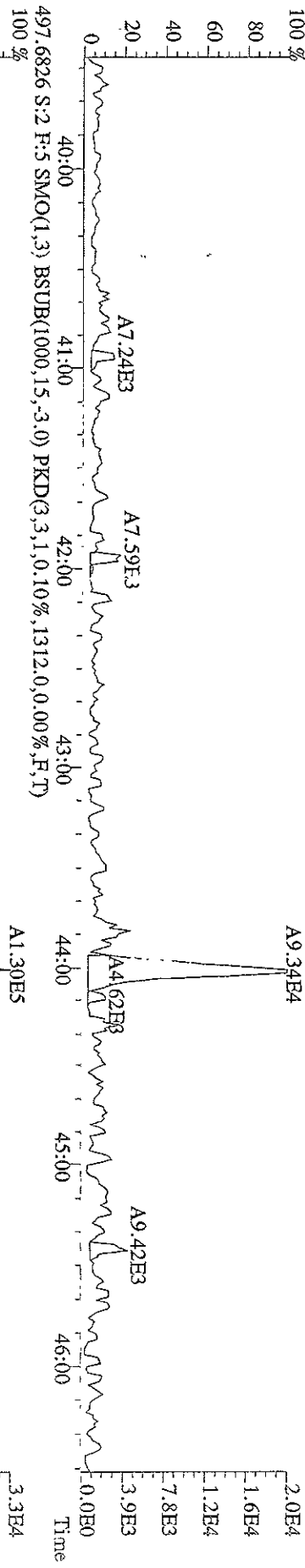
File: 16MR09A9D5 #1-394 Acq: 16-MAR-2009 20:15:40 GC Et+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: SB0316 : Solvent Blank C12 Exp: 209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,840,0,0.00%,F,T)  
 100% A8.60E4 A8.00E4



File: 16MR09A9D5 #1-394 Acq: 16-MAR-2009 20:15:40 GC EI+ Voltage SIR Autospec-UltimaB  
Sample#2 Text: SB0316 :Solvent Blank C12 Exp: 209DB5  
393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3984,0,0,00%,F,T)



File:16MR09A9D5 #1-470 Acq:16-MAR-2009 20:15:40 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:SB0316 :Solvent Blank C12 Exp:209DB5  
 495.6856 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1616,0,0.00%,F,T)



Method ID 1668

Associated ICAL 1668MSL0115099D5

Column ID DB-5

Instrument ID 9D5

STD ID ST0325

STD Solution 09DXN016

Analyzed by SMA

Date Analyzed 3-25-09

Std. Pkg. By AM

Date Std. Pkg. Assembled 3-25-09

Std. Pkg. Reviewed By SMA

Date Std. Pkg. Reviewed 3-26-09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0325 File text: ST0325 :CS3 09DXN016  
 Run #6 Filename 25MR099D5 S: 1 I: 1  
 Acquired: 25-MAR-09 13:16:03 Processed: 25-MAR-09 17:41:24  
 Run: 25MR099D5 Analyte: 1668MSL Cal: 1668MSL0115099D5 Results: 25MR099D51668MSL

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	87604000	0.68 y	25:16	-	100.00	-	n
13C-TCB-81	96591200	0.79 y	26:49	1.10	100.00	16.4	n
TCB-81	62177300	0.77 y	26:50	1.29	50.00	0.7	n
13C-TCB-77	101286900	0.78 y	27:23	1.16	100.00	17.7	n
TCB-77	59453800	0.77 y	27:24	1.17	50.00	6.4	n
13C-PeCB-123	82534400	0.67 y	28:45	0.94	100.00	8.1	n
PeCB-123	63535100	0.58 y	28:48	1.54	50.00	2.0	n
13C-PeCB-118	88362000	0.68 y	28:54	1.01	100.00	2.4	n
PeCB-118/106	69667400	0.59 y	28:55	1.58	50.00	3.2	n
13C-PeCB-114	91074500	0.68 y	29:33	1.04	100.00	7.6	n
PeCB-114	73780900	0.59 y	29:34	1.62	50.00	2.2	n
13C-PeCB-105	86879000	0.68 y	30:26	0.99	100.00	10.5	n
PeCB-105/127	62410500	0.58 y	30:27	1.44	50.00	1.0	n
13C-PeCB-126	95433600	0.66 y	32:20	1.09	100.00	19.5	n
PeCB-126	58361600	0.58 y	32:21	1.22	50.00	4.3	n
13C-OcCB-202	104826900	0.90 y	34:38	-	100.00	-	n
13C-HxCB-167	100688700	1.28 y	33:27	0.96	100.00	14.1	n
HxCB-167	66860500	1.27 y	33:26	1.33	50.00	13.6	y
13C-HxCB-156	84243600	1.30 y	34:45	0.80	100.00	19.9	n
HxCB-156	63401700	1.25 y	34:46	1.51	50.00	3.6	n
13C-HxCB-157	88737300	1.30 y	35:04	0.85	100.00	19.8	n
HxCB-157	65584100	1.24 y	35:05	1.48	50.00	2.2	n
13C-HxCB-169	100835700	1.28 y	36:54	0.96	100.00	31.1	n
HxCB-169	52682300	1.27 y	36:55	1.04	50.00	5.6	n
13C-HpCB-180	68845800	1.03 y	35:42	0.66	100.00	12.3	n
HpCB-180	46991300	1.11 y	35:44	1.37	50.00	7.9	n
13C-HpCB-170	58083600	1.03 y	37:22	0.55	100.00	16.8	n
HpCB-170/190	49364000	1.10 y	37:24	1.70	50.00	5.8	n
13C-HpCB-189	80793100	1.02 y	38:59	0.77	100.00	28.8	n
HpCB-189	53389700	1.13 y	39:01	1.32	50.00	9.6	n
13C-PeCB-111	111414800	0.68 y	26:43	1.25	100.00	-8.0	n



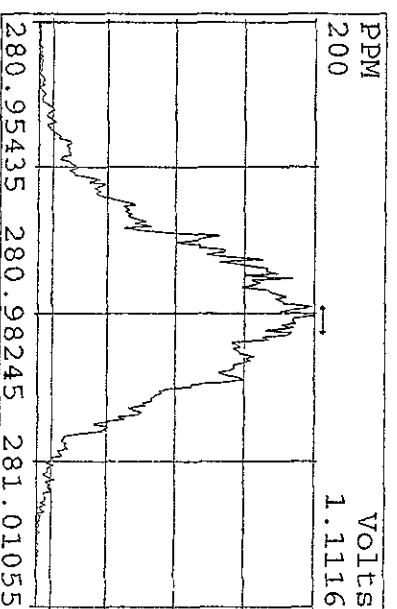
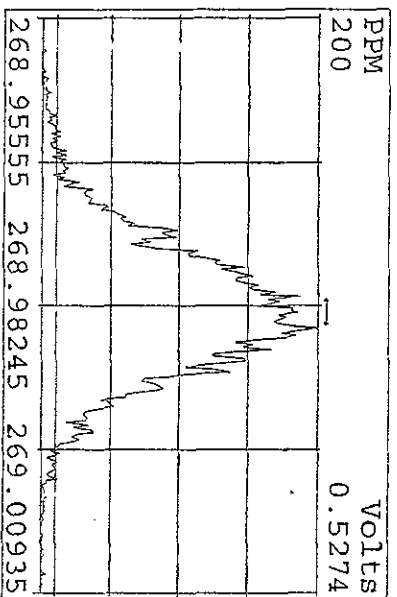
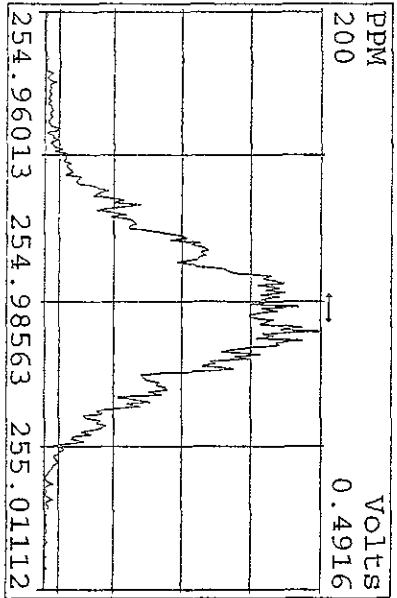
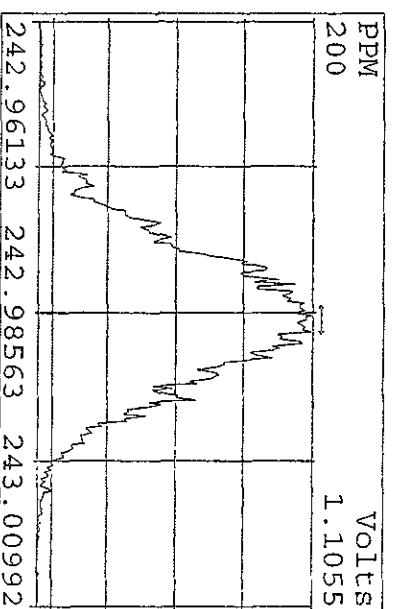
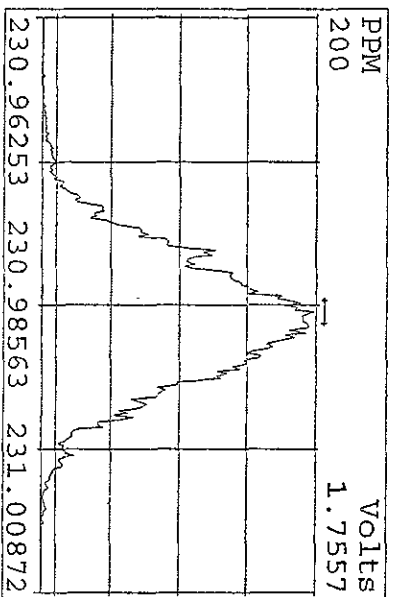
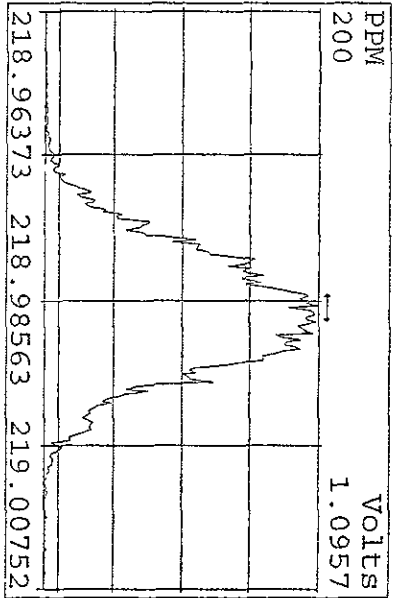
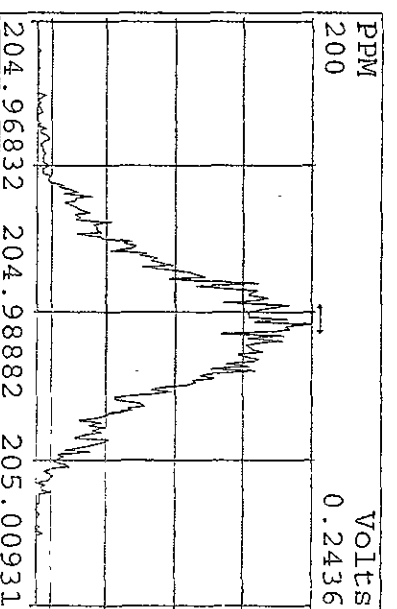
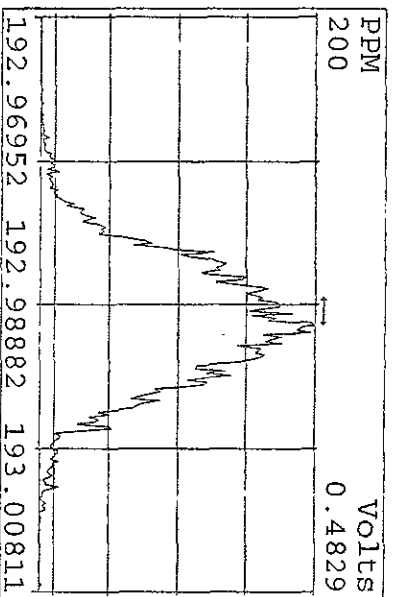
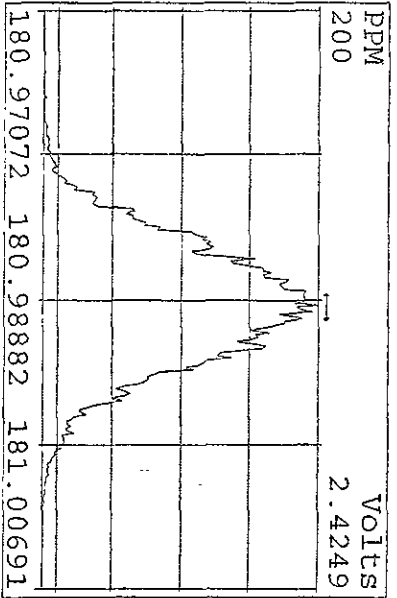
Run text: ST0325 File text: ST0325 :CS3 09DXN016  
 Run #6 Filename 25MR099D5 S: 1 I: 1  
 Acquired: 25-MAR-09 13:16:03 Processed: 25-MAR-09 17:41:24  
 Run: 25MR099D5 Analyte: 1668MSL Cal: 1668MSL0115099D5 Results: 25MR099D51668MSL

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	87604000	0.68 y	25:16	-	100.00	-	n
13C-TCB-81	96591200	0.79 y	26:49	1.10	100.00	16.4	n
TCB-81	62177300	0.77 y	26:50	1.29	50.00	0.7	n
13C-TCB-77	101286900	0.78 y	27:23	1.16	100.00	17.7	n
TCB-77	59453800	0.77 y	27:24	1.17	50.00	6.4	n
13C-PeCB-123	82534400	0.67 y	28:45	0.94	100.00	8.1	n
PeCB-123	63535100	0.58 y	28:48	1.54	50.00	2.0	n
13C-PeCB-118	88362000	0.68 y	28:54	1.01	100.00	2.4	n
PeCB-118/106	69667400	0.59 y	28:55	1.58	50.00	3.2	n
13C-PeCB-114	91074500	0.68 y	29:33	1.04	100.00	7.6	n
PeCB-114	73780900	0.59 y	29:34	1.62	50.00	2.2	n
13C-PeCB-105	86879000	0.68 y	30:26	0.99	100.00	10.5	n
PeCB-105/127	62410500	0.58 y	30:27	1.44	50.00	1.0	n
13C-PeCB-126	95433600	0.66 y	32:20	1.09	100.00	19.5	n
PeCB-126	58361600	0.58 y	32:21	1.22	50.00	4.3	n
13C-OcCB-202	104826900	0.90 y	34:38	-	100.00	-	n
13C-HxCB-167	100688700	1.28 y	33:27	0.96	100.00	14.1	n
HxCB-167	109357500	1.25 y	33:26	2.17	50.00	85.8	n
13C-HxCB-156	84243600	1.30 y	34:45	0.80	100.00	19.9	n
HxCB-156	63401700	1.25 y	34:46	1.51	50.00	3.6	n
13C-HxCB-157	88737300	1.30 y	35:04	0.85	100.00	19.8	n
HxCB-157	65584100	1.24 y	35:05	1.48	50.00	2.2	n
13C-HxCB-169	100835700	1.28 y	36:54	0.96	100.00	31.1	n
HxCB-169	52682300	1.27 y	36:55	1.04	50.00	5.6	n
13C-HpCB-180	68845800	1.03 y	35:42	0.66	100.00	12.3	n
HpCB-180	46991300	1.11 y	35:44	1.37	50.00	7.9	n
13C-HpCB-170	58083600	1.03 y	37:22	0.55	100.00	16.8	n
HpCB-170/190	49364000	1.10 y	37:24	1.70	50.00	5.8	n
13C-HpCB-189	80793100	1.02 y	38:59	0.77	100.00	28.8	n
HpCB-189	53389700	1.13 y	39:01	1.32	50.00	9.6	n
13C-PeCB-111	111414800	0.68 y	26:43	1.25	100.00	-8.0	n

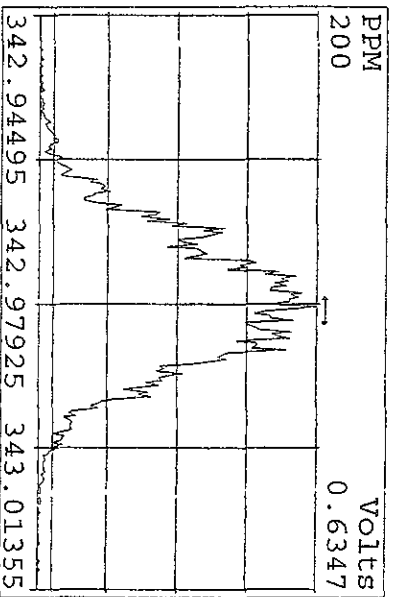
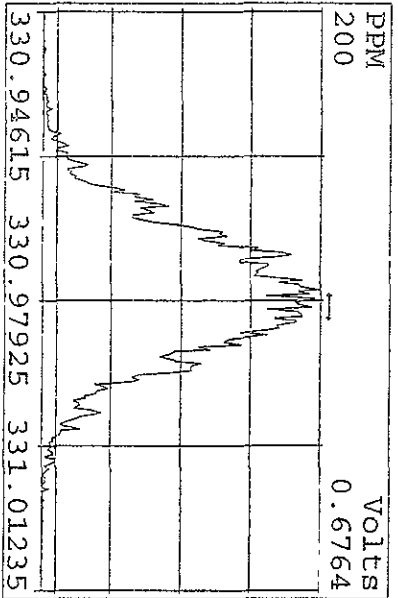
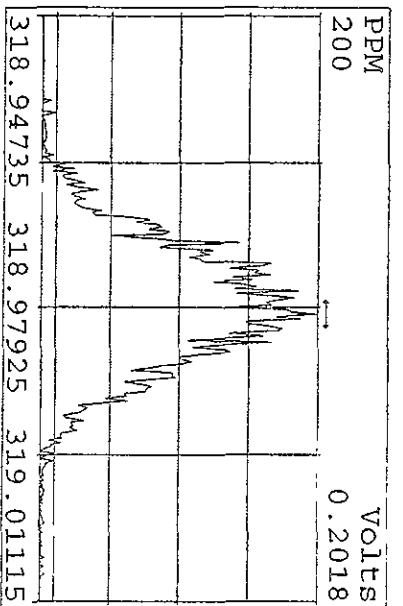
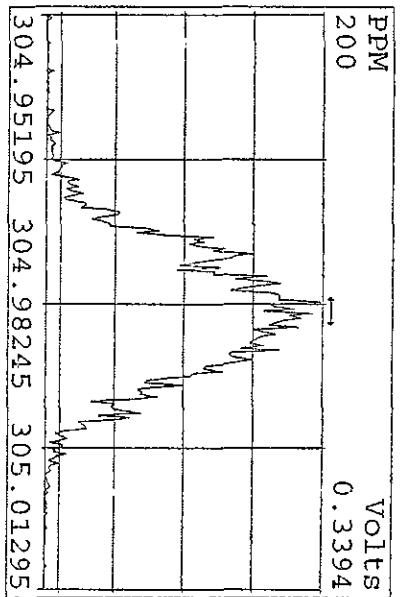
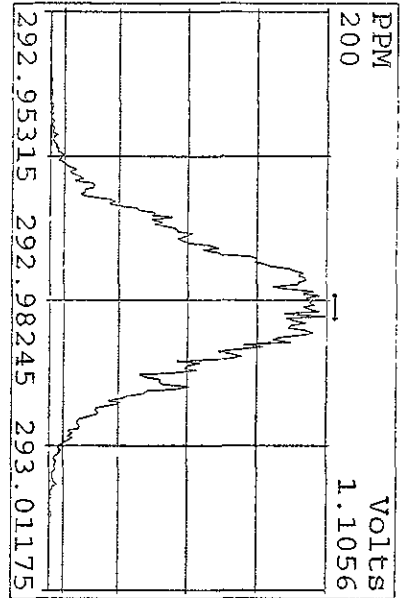
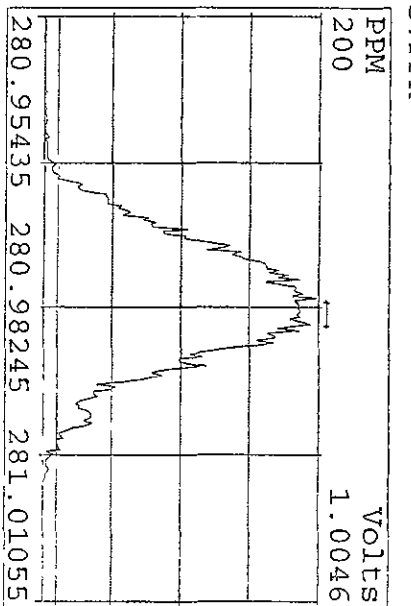
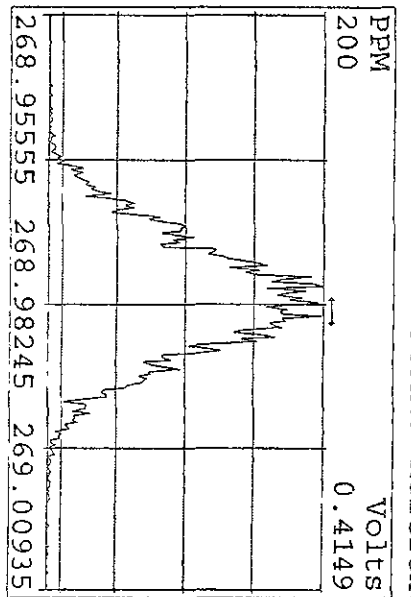
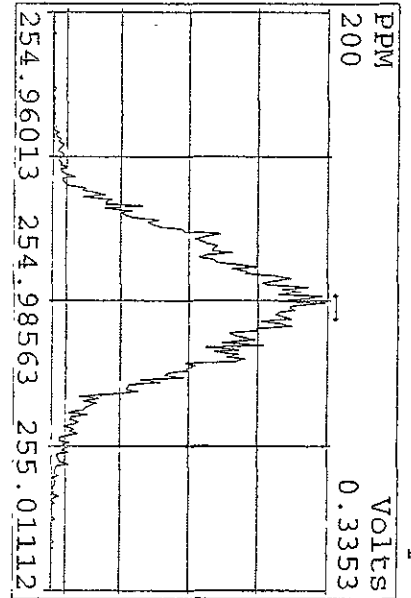
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25MR099D5	3	K8GL1-1-AA	G9C130000-177B	20	1668/SOLID	12	10.00000	g
25MR099D5	4	K8GL1-1-AC	G9C130000-177C	20	1668/SOLID		10.00000	g
25MR099D5	5	K7N8C-1-AA	G9B250206-3 RI	20	1668/AIR	98	0.50000	Sam
25MR099D5	6	K8AQK-1-AD	G9C100260-1	20	1668/SOLID	12	10.02000	g
25MR099D5	7	K65XL-1-AA	G9B120312-4	20	1668/SOLID		10.03000	g
25MR099D5	8	K65XP-1-AA	G9B120312-7	20	1668/SOLID		10.00500	g
25MR099D5	9	K65XN-1-AA	G9B120312-6	20	1668/SOLID		10.04500	g
25MR099D5	10	K65XM-1-AA	G9B120312-5	20	1668/SOLID		10.08000	g
25MR099D5	11	SB0325A	Solvent Blank C-12				1.00000	
25MR099D5	12	K65XP-1-AA	G9B120312-7 (10X)	20	1668/SOLID		10.00500	g
25MR099D5	13	K65XN-1-AA	G9B120312-6 (10X)	20	1668/SOLID		10.04500	g
25MR099D5	14	K65XM-1-AA	G9B120312-5 (10X)	20	1668/SOLID		10.08000	g
25MR099D5	15	SB0325B	Solvent Blank C-12				1.00000	
25MR099D5	16	09DXN148QC	IS QC 09DXN148 3-25-09	20	1668	QC49	1.00000	lost
25MR099D5	17	ST0325A	CS3 09DXN016				1.00000	Comm
25MR099D5	18	SB0325C	Solvent Blank C-12				1.00000	
25MR099D5	19	K80LQ-1-AA	G9C230000-92B	20	1668/SOLID	13	10.00000	g
25MR099D5	20	K80LQ-1-AC	G9C230000-92C	20	1668/SOLID		10.00000	g
25MR099D5	21	K65XH-1-AC	G9B120312-1	20	1668/SOLID		5.52000	g
25MR099D5	22	K65XJ-1-AC	G9B120312-2	20	1668/SOLID		6.21000	g
25MR099D5	23	K65XK-1-AC	G9B120312-3	20	1668/SOLID		9.51000	g
25MR099D5	24	SB0325D	Solvent Blank C-12				1.00000	
25MR099D5	25	K84LM-1-AA	G9C250000-262B	40	1668/AIR	13	0.25000	uL
25MR099D5	26	K84LM-1-AC	G9C250000-262C	40	1668/AIR		0.25000	uL
25MR099D5	27	K84LM-1-AD	G9C250000-262L	40	1668/AIR		0.25000	uL
25MR099D5	28	K8NQ1-2-AC	G9C170281-1RX	40	1668/AIR		0.25000	uL
25MR099D5	29	K8NQ6-2-AC	G9C170281-2RX	40	1668/AIR		0.25000	uL
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*163612 ✓ 44  
3/25/09*

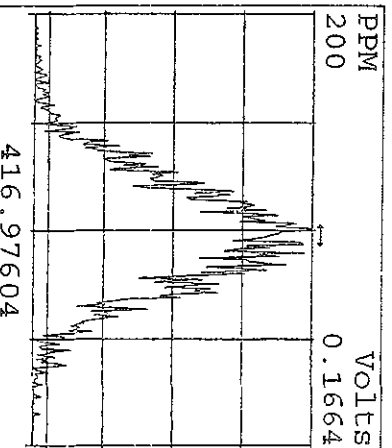
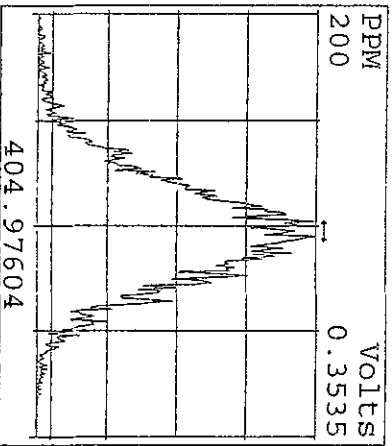
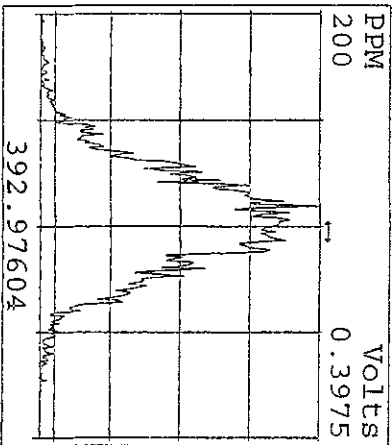
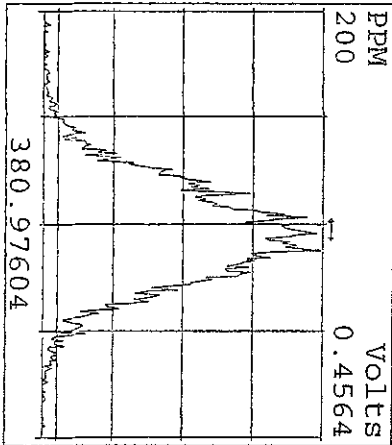
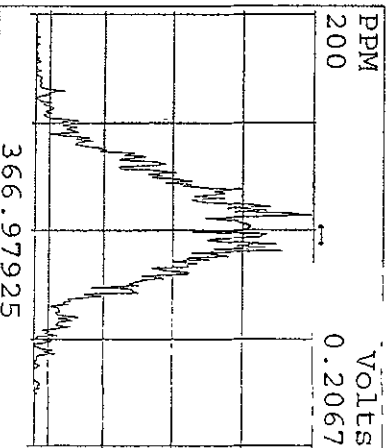
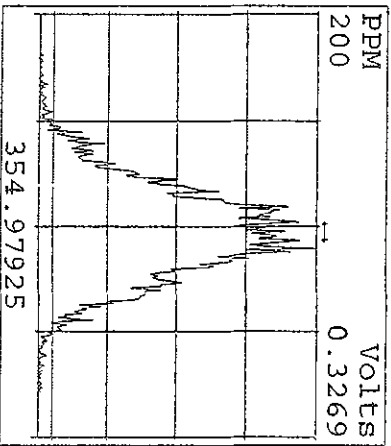
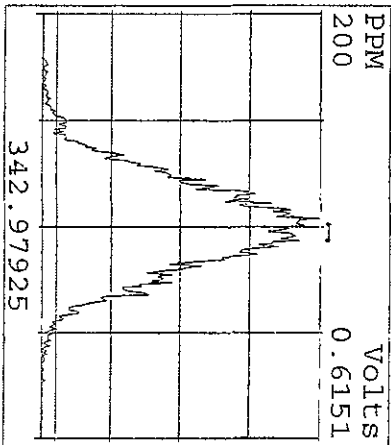
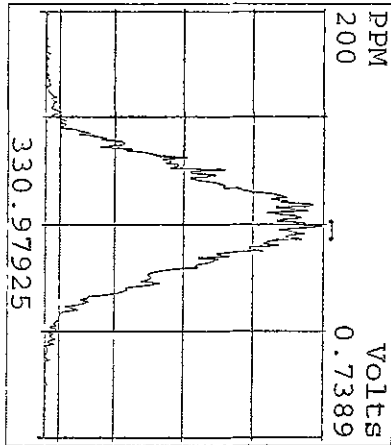
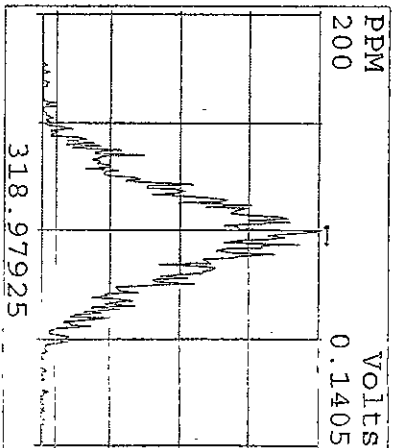
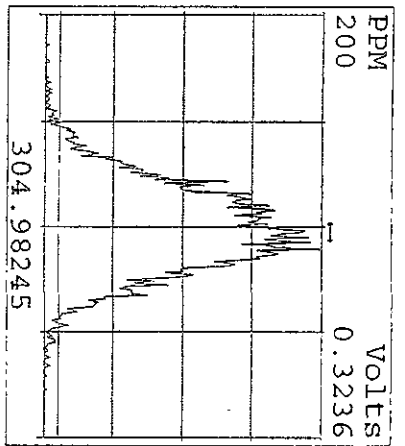
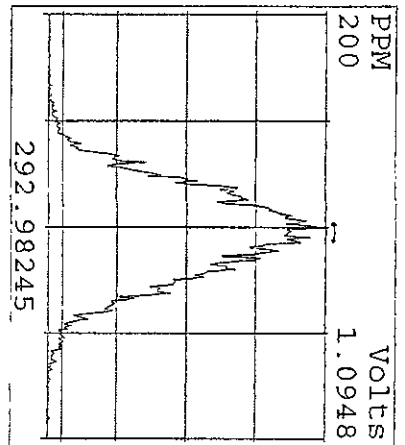
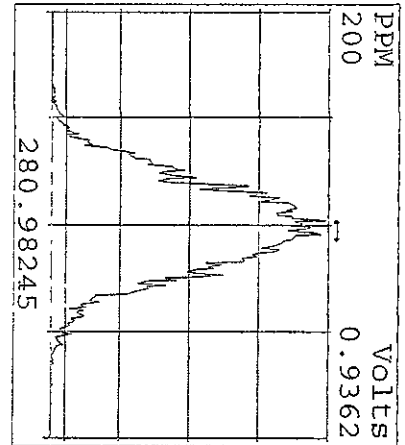
Peak Locate Examination: 25-MAR-2009:13:12 File: 25MR099D5  
 Experiment: 209DB5 Function: 1 Reference: PRK



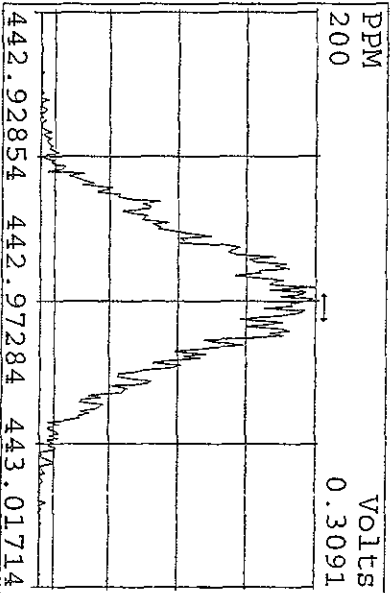
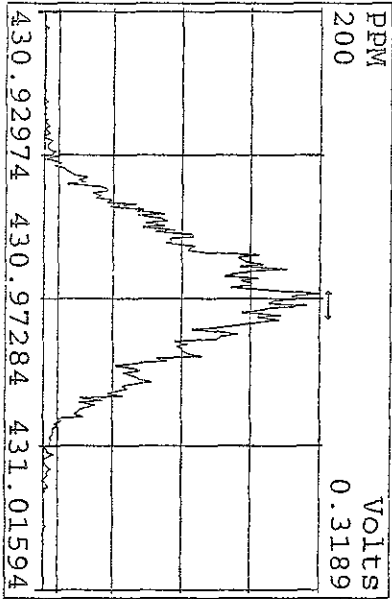
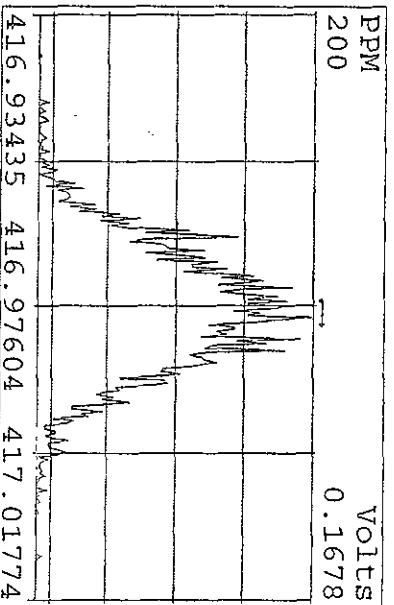
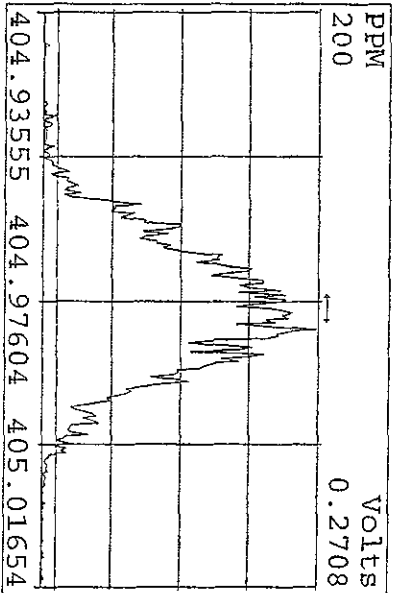
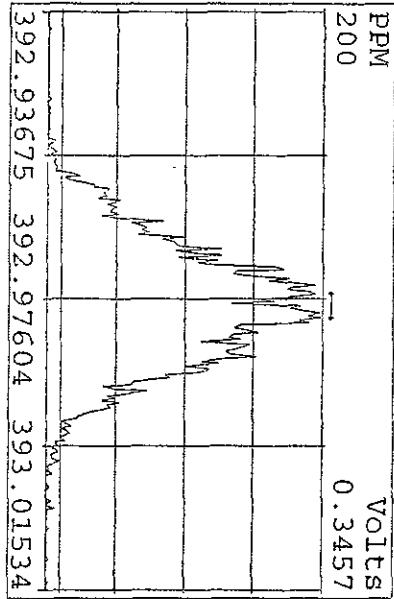
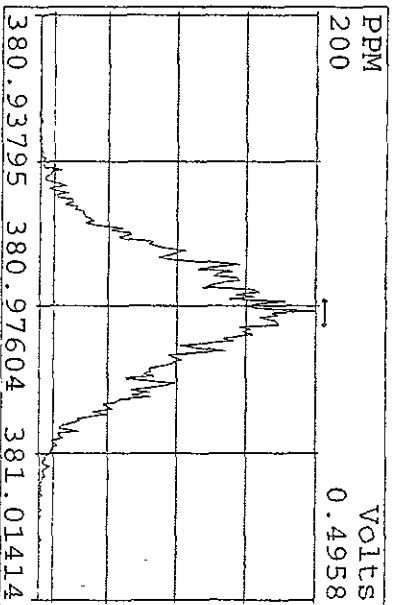
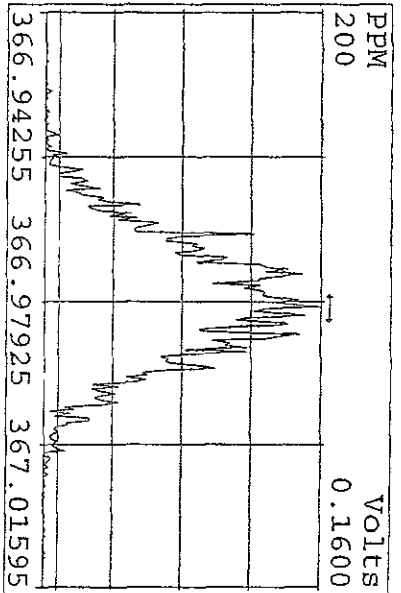
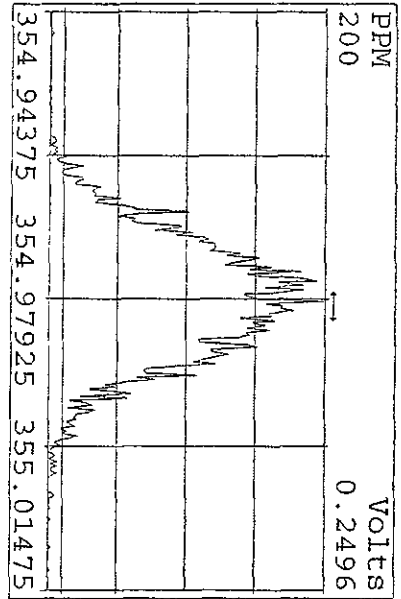
Peak Locate Examination: 25-MAR-2009:13:12 File: 25MR099D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



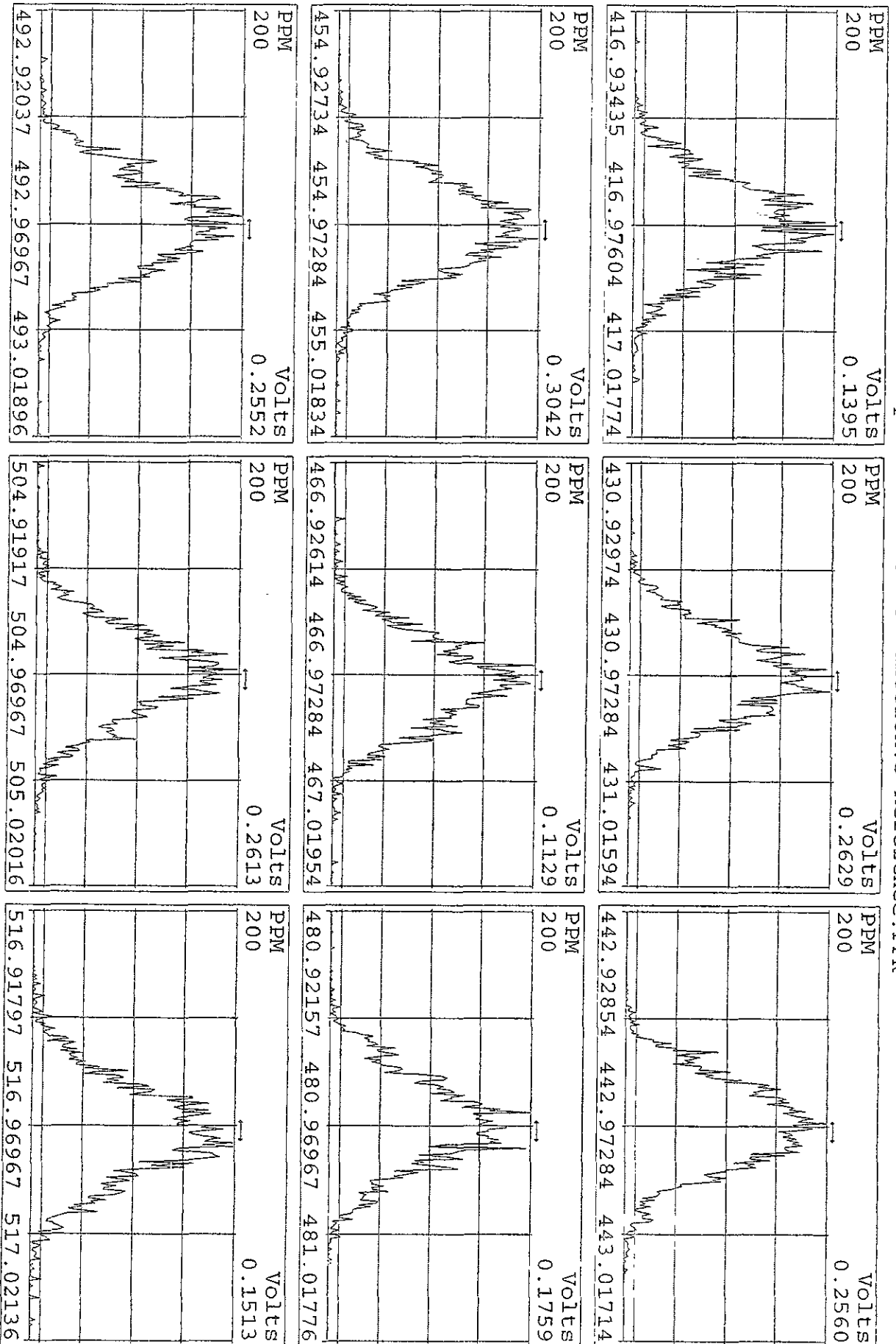
Peak Locate Examination:25-MAR-2009:13:13 File:25MR099D5  
Experiment:209DB5 Function:3 Reference:PFK



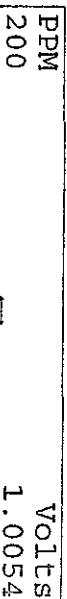
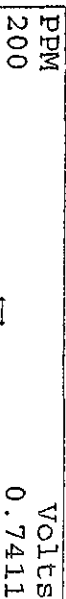
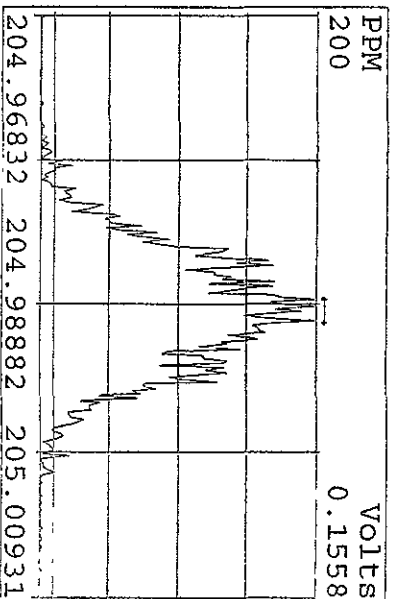
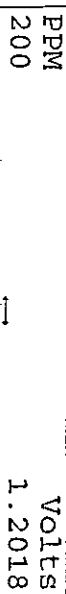
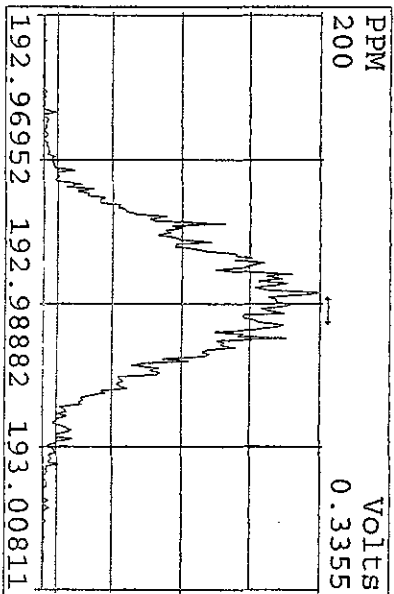
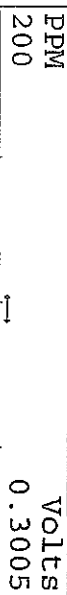
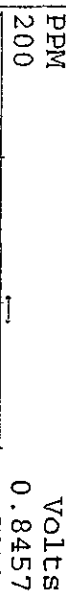
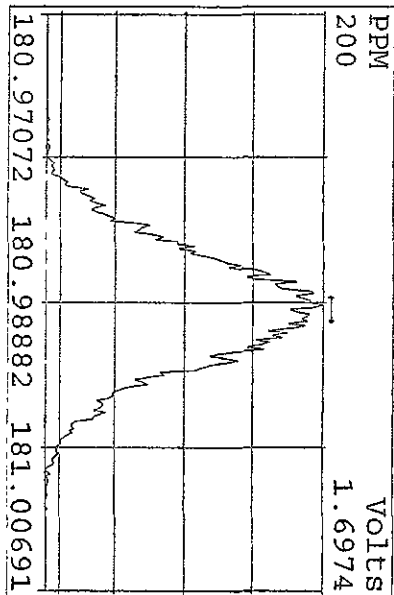
Peak Locate Examination: 25-MAR-2009:13:14 File: 25MR099D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



Peak Locate Examination: 25-MAR-2009:13:15 File: 25MR099D5  
 Experiment: 209DB5 Function: 5 Reference: PFK

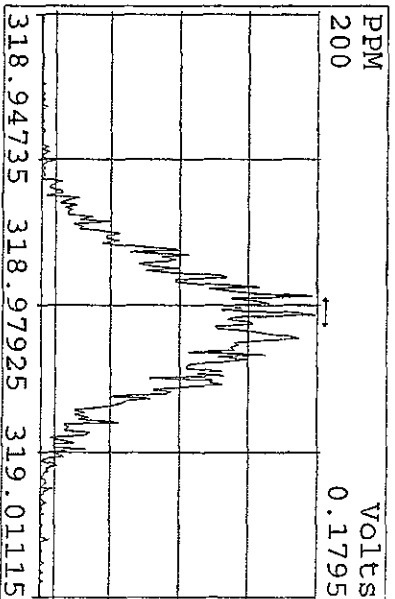
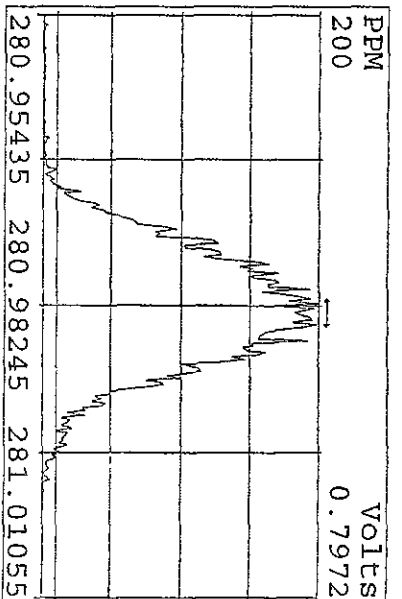
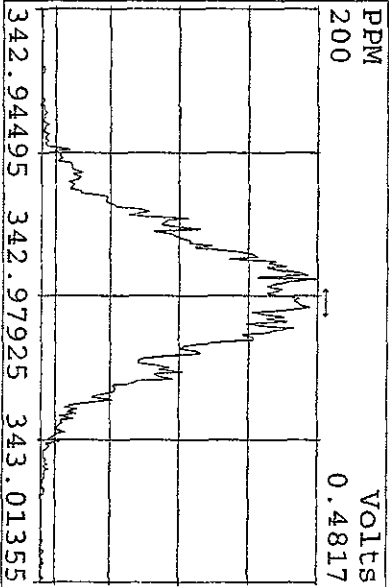
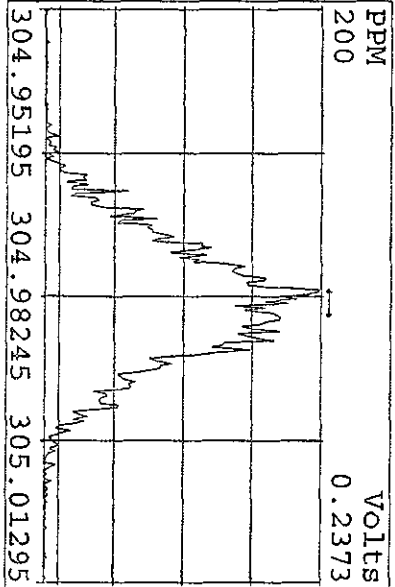
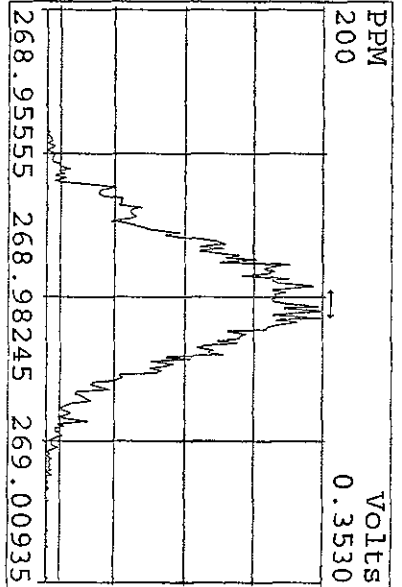
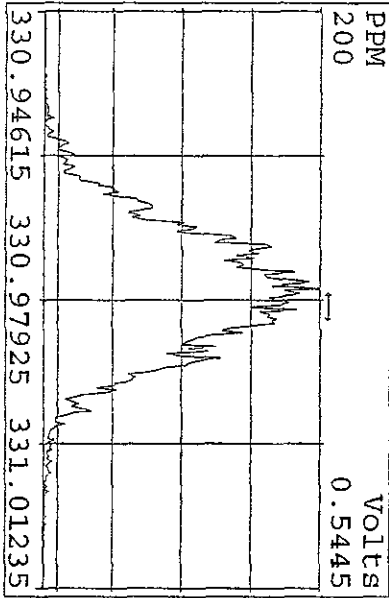
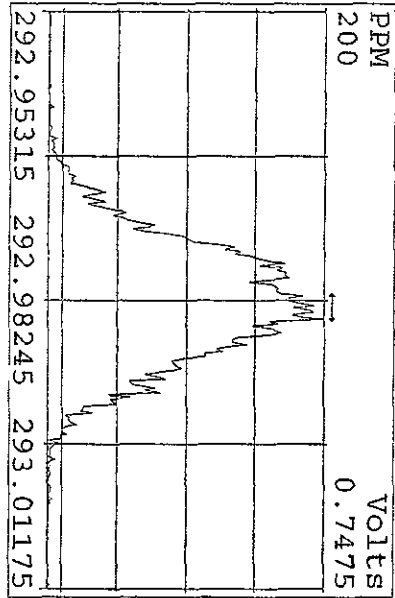
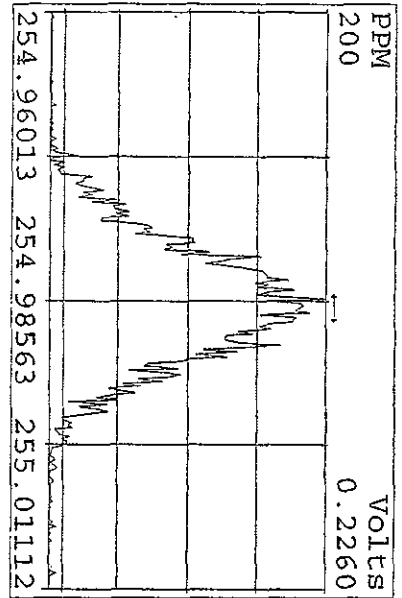


Peak Locate Examination: 26-MAR-2009:09:18 File: 25MR099D5ENDRES  
 Experiment: 209DB5 Function: 1 Reference: PFK

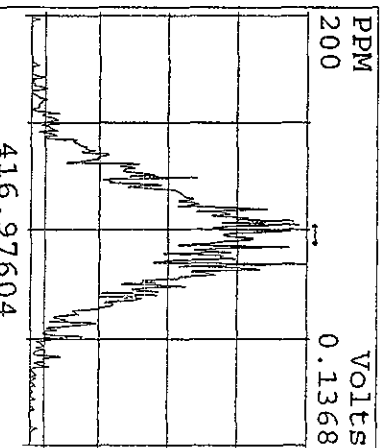
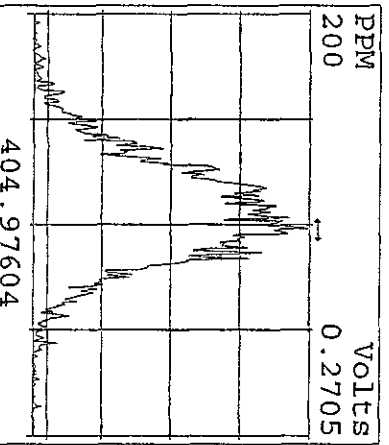
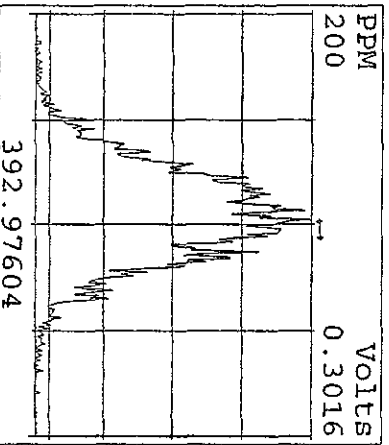
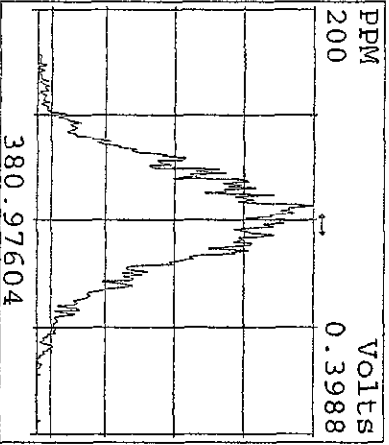
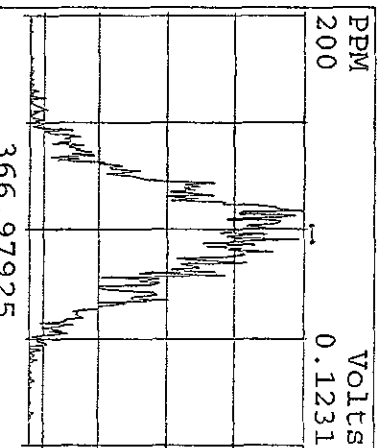
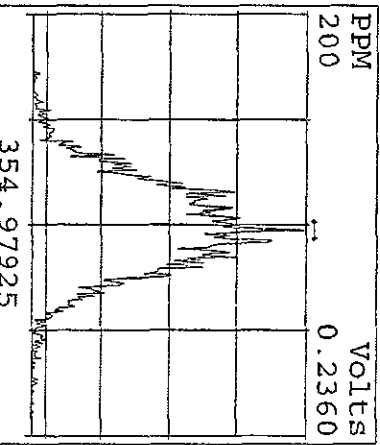
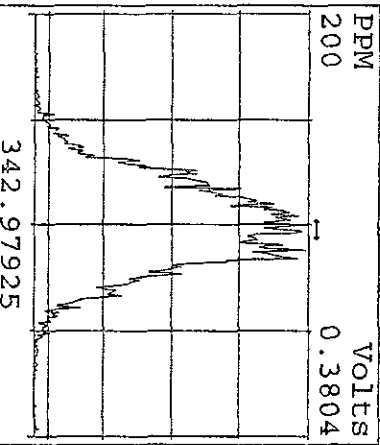
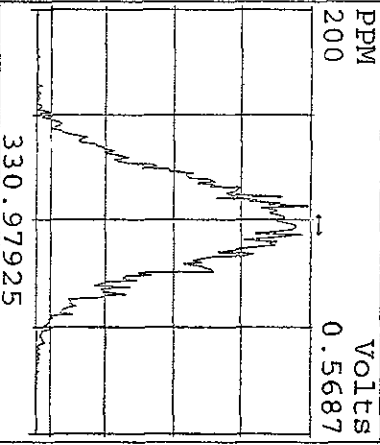
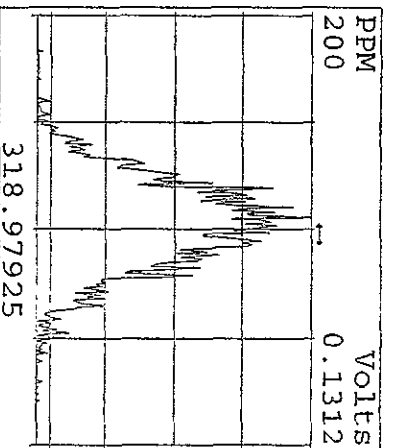
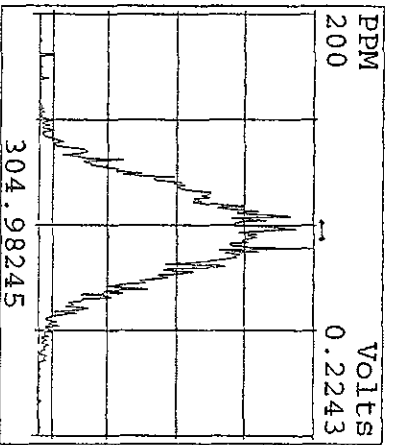
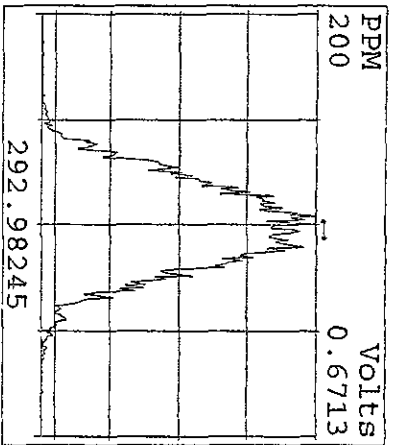
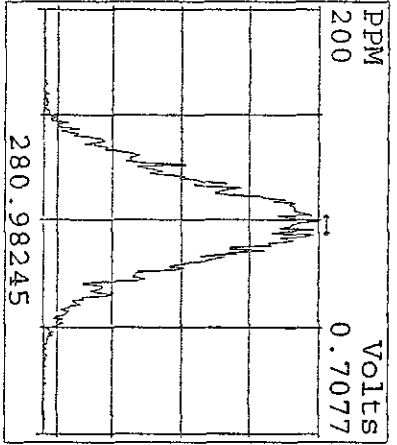




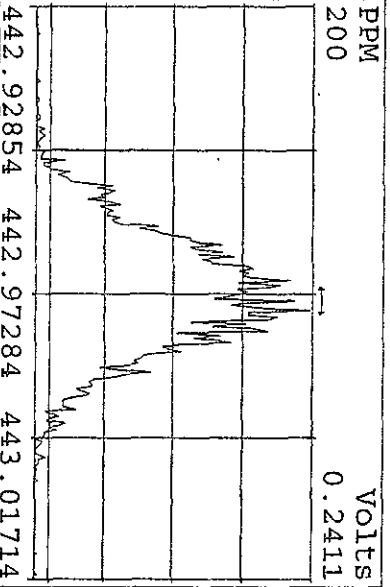
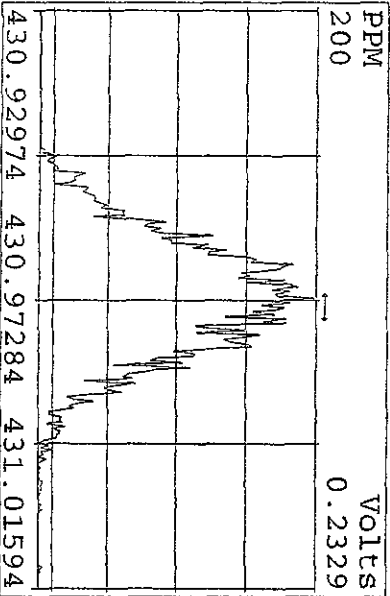
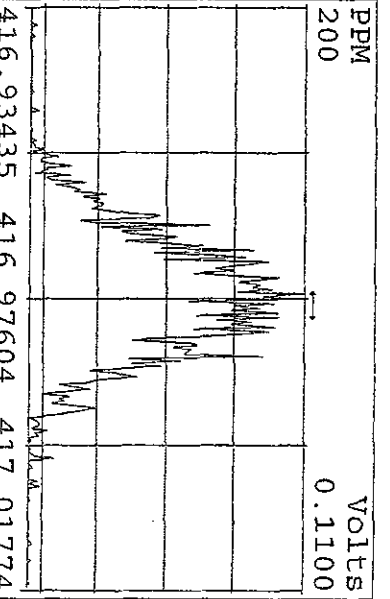
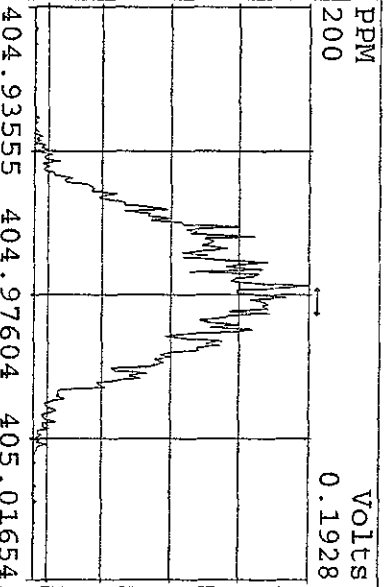
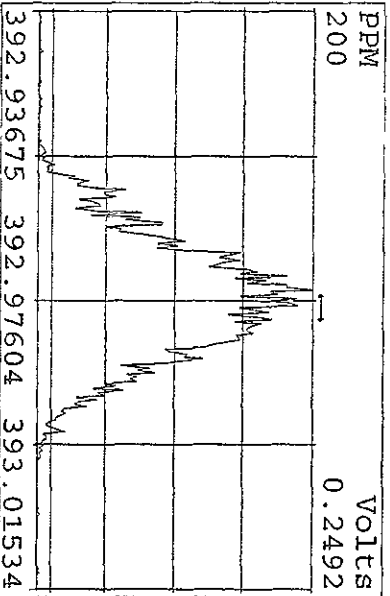
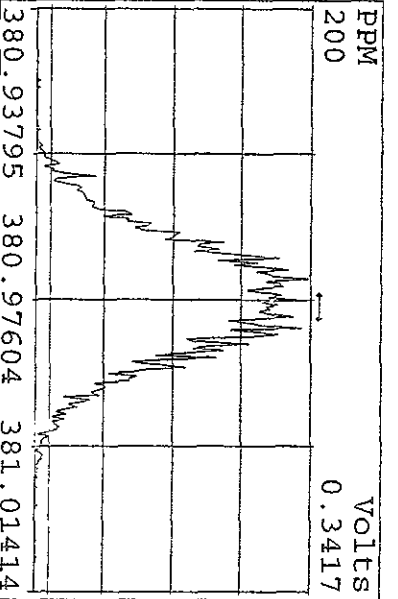
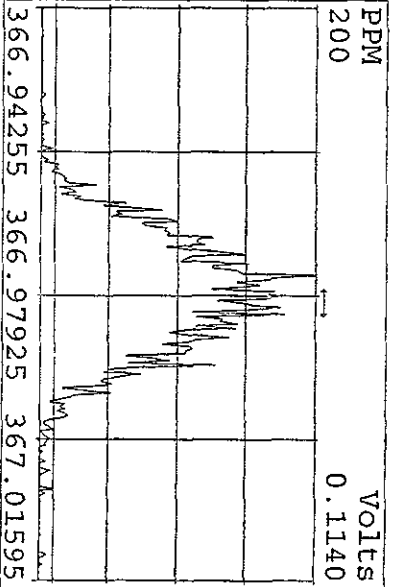
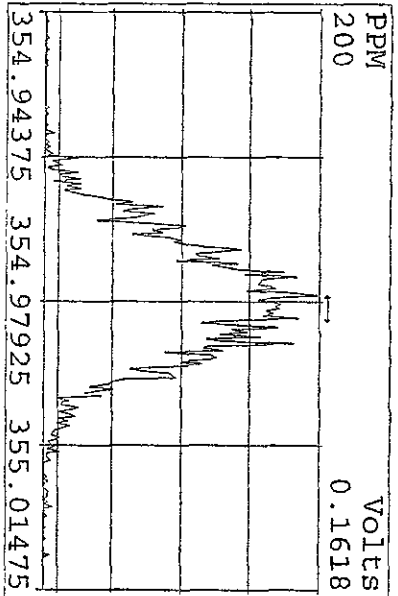
Peak Locate Examination: 26-MAR-2009:09:18 File: 25MR099D5ENDRES  
Experiment: 209DB5 Function: 2 Reference: PFK



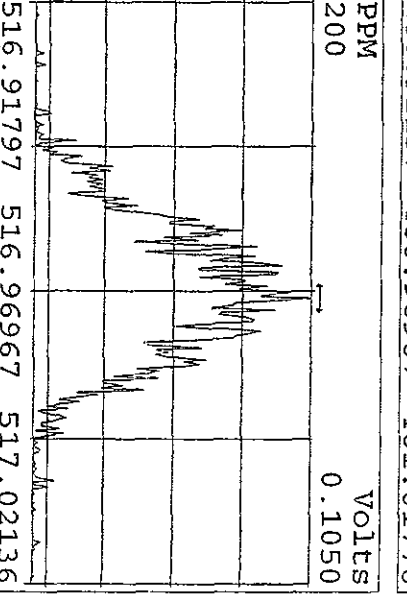
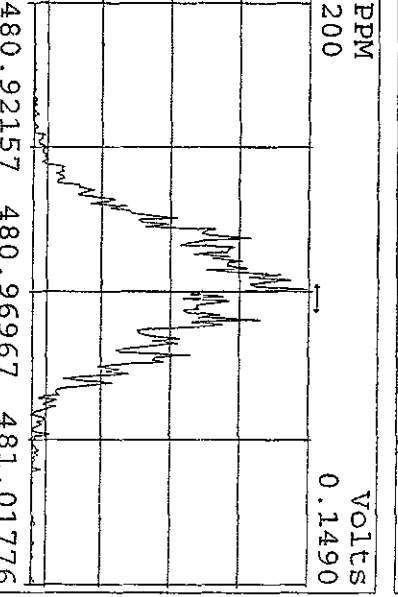
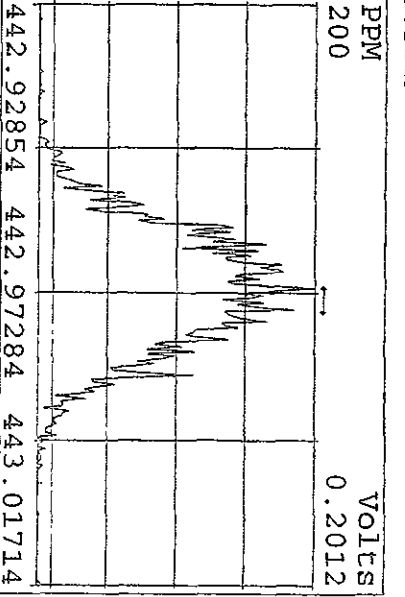
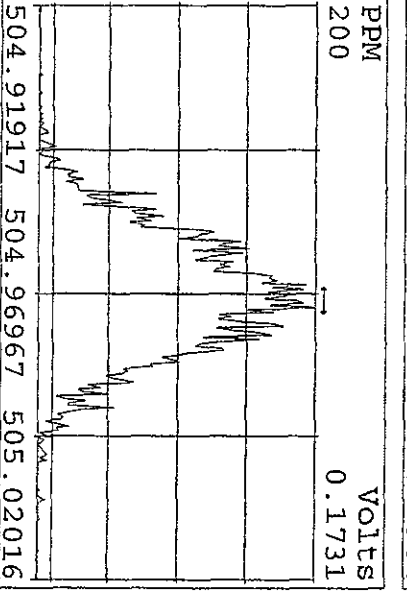
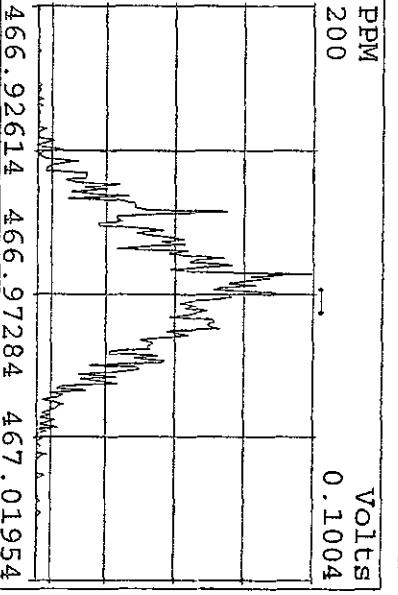
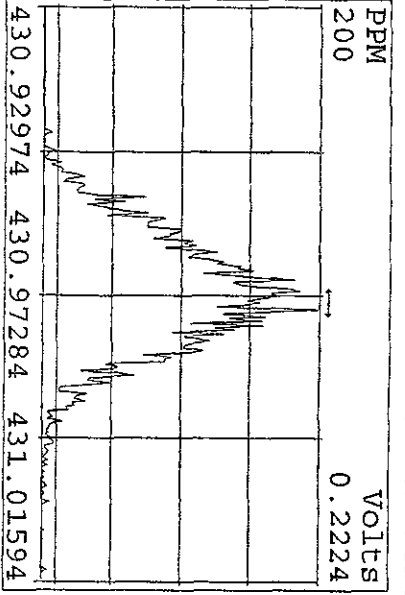
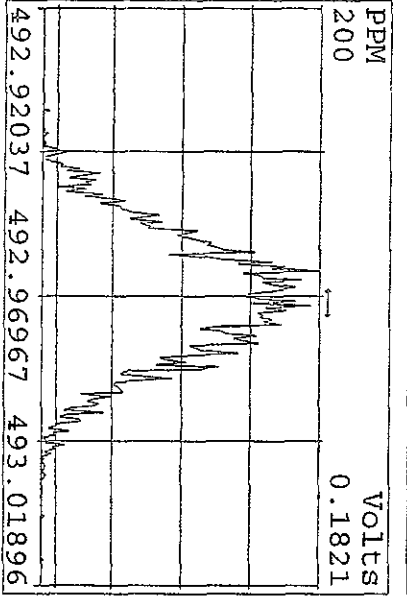
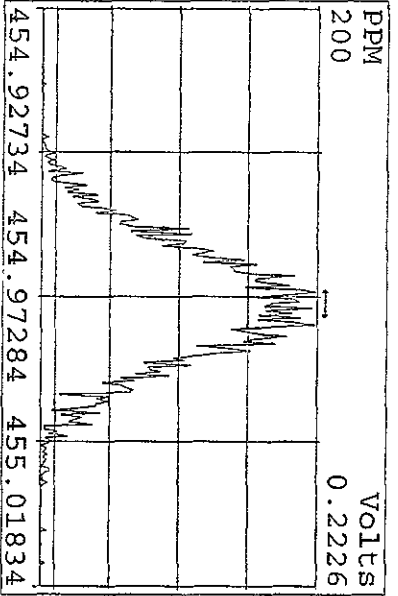
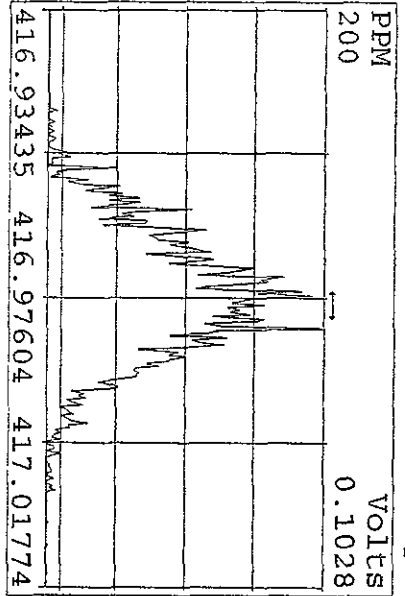
Peak Locate Examination: 26-MAR-2009:09:19 File: 25MR099D5ENDRES  
Experiment: 209DB5 Function: 3 Reference: PKK



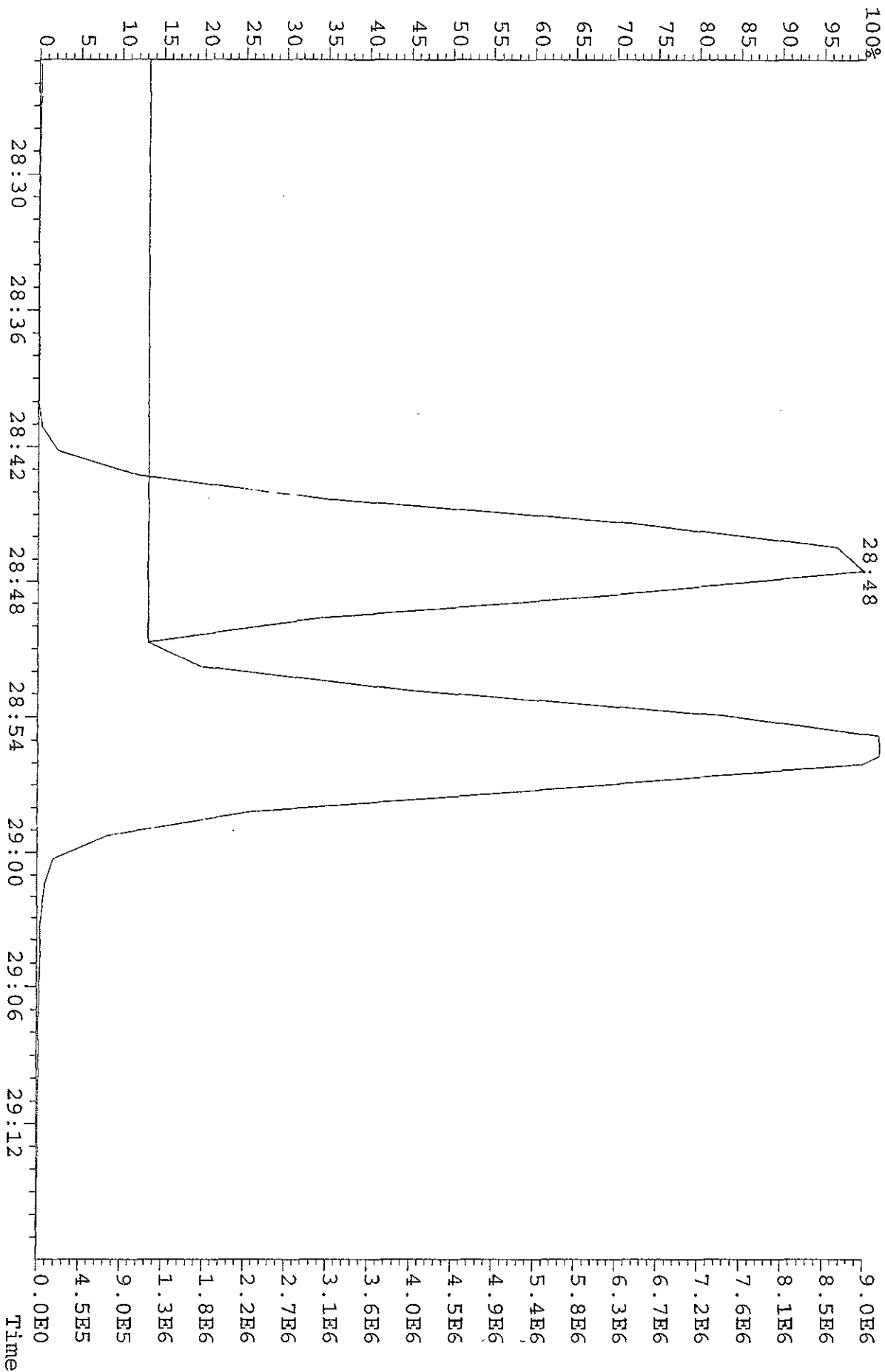
Peak Locate Examination: 26-MAR-2009:09:19 File: 25MR099D5ENDRES  
 Experiment: 209DB5 Function: 4 Reference: PFK



Peak Locate Examination: 26-MAR-2009:09:20 File: 25MR099D5ENDRES  
 Experiment: 209DB5 Function: 5 Reference: PFK



File: 25MR099D5 #1-595 Acq: 25-MAR-2009 13:16:03 GC FI+ Voltage SIR Autospec-Ultimate  
Sample#1 Text: ST0325 : CS3 09DXN016 Exp: 209DB5  
325.8804 F: 3



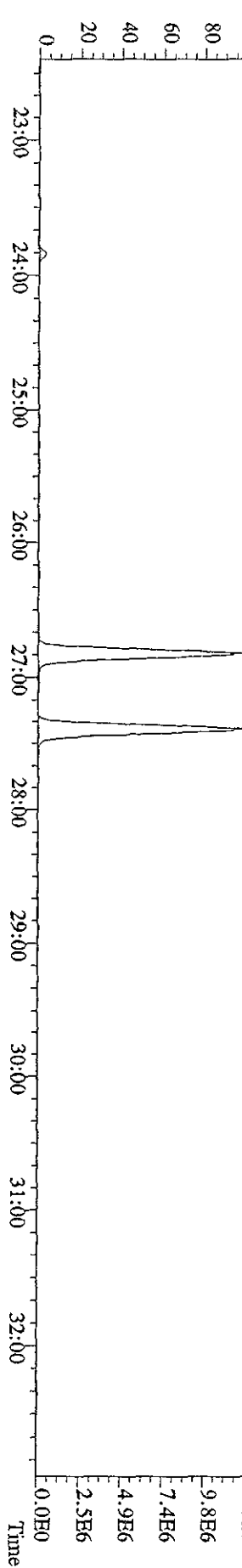
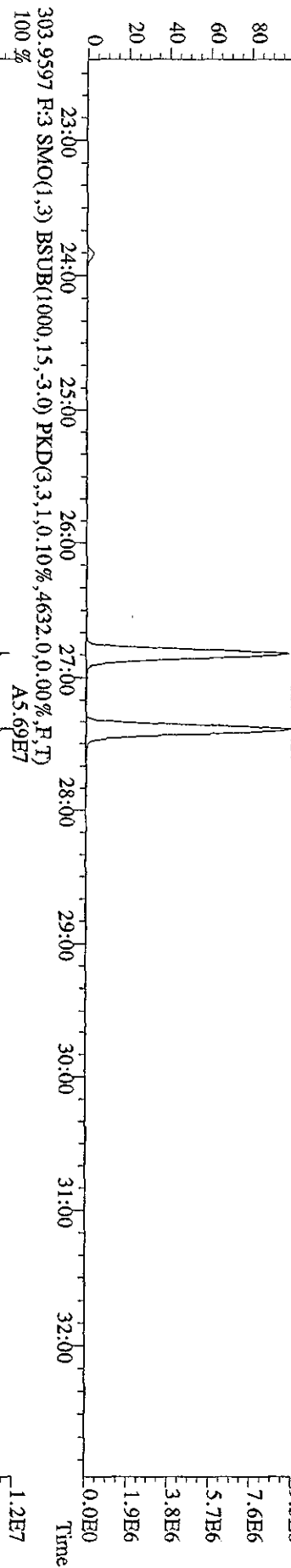
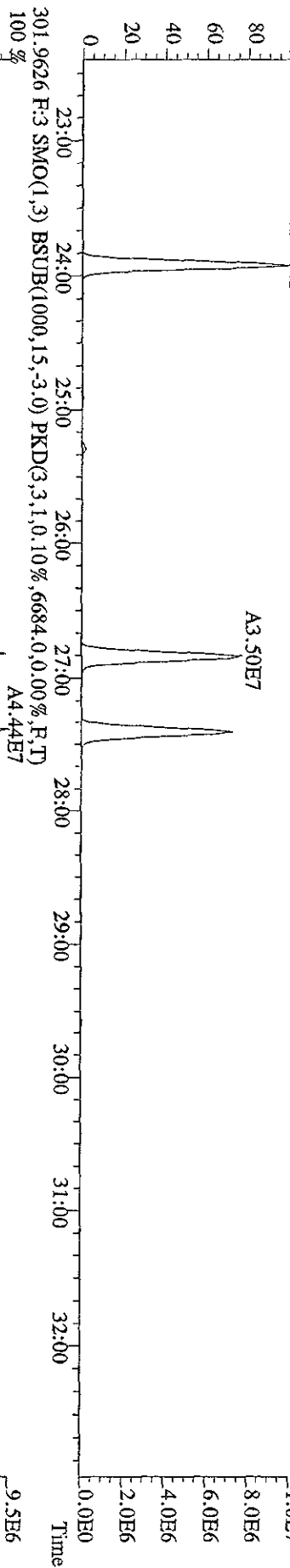
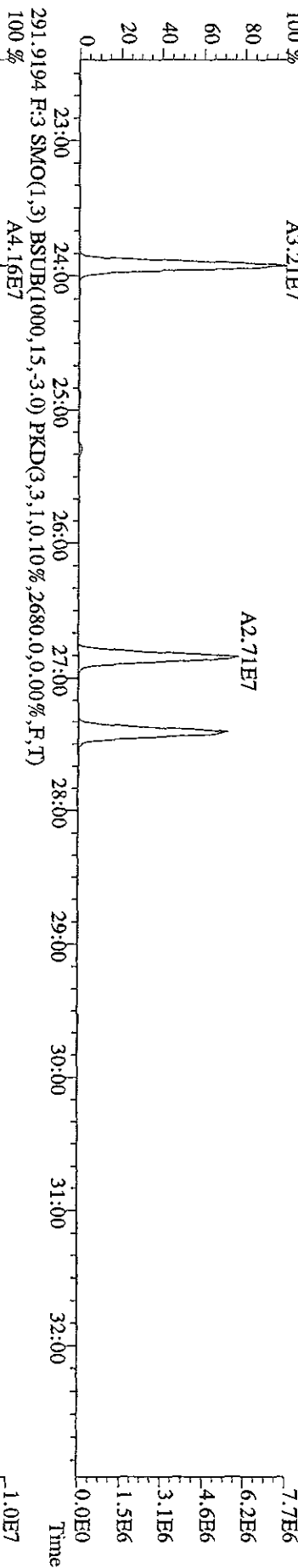
ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PecB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PecB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PecB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PecB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PecB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PecB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PecB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PecB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PecB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PecB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

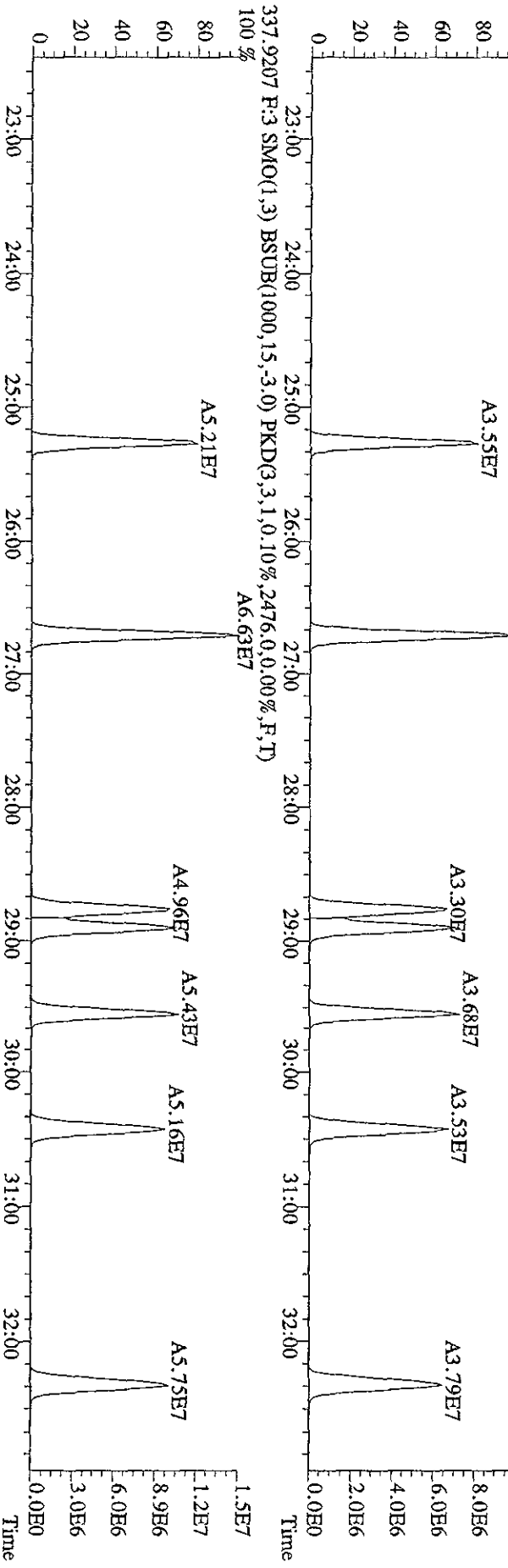
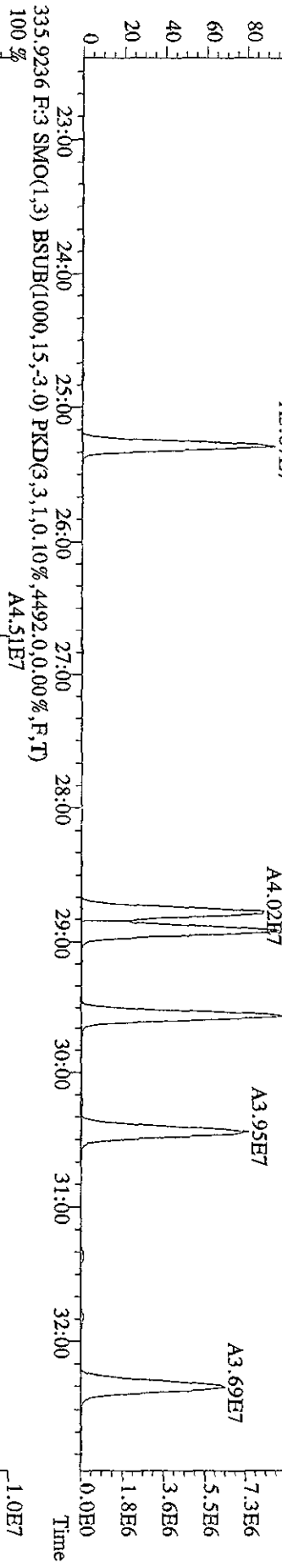
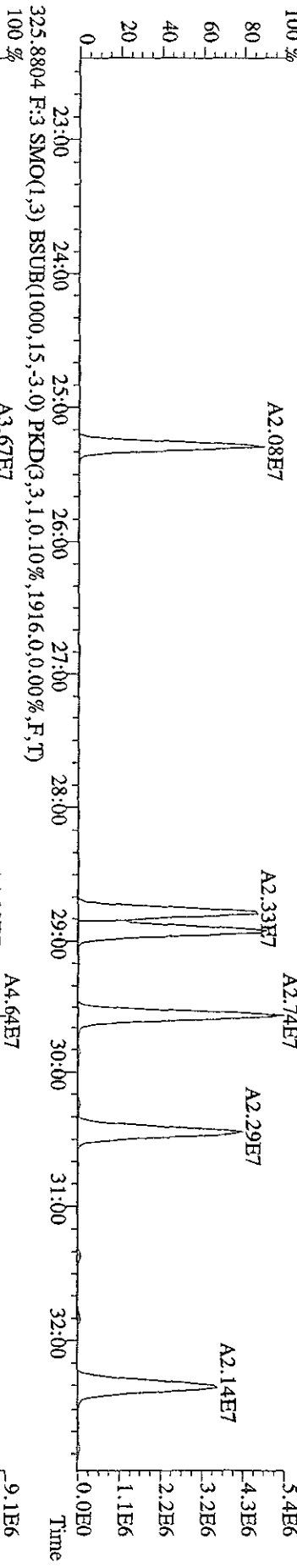
13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-PeCB-111	1.362	0.054	3.98 %	1.40	1.39	1.37	1.39	1.27

File: 25MR099D5 #1-595 Acq: 25-MAR-2009 13:16:03 GC EI+ Voltage SIR Autospec-UltimaR  
 Sample#1 Text: ST0325 : CS3 09DXN016 Exp: 209DB5  
 289.9224 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1988,0.0,0.00%,F,T)  
 100 % A3.21E7

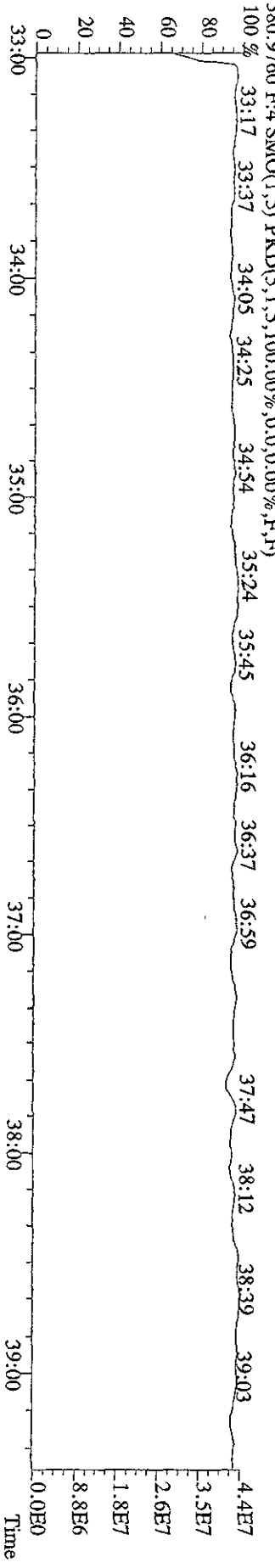
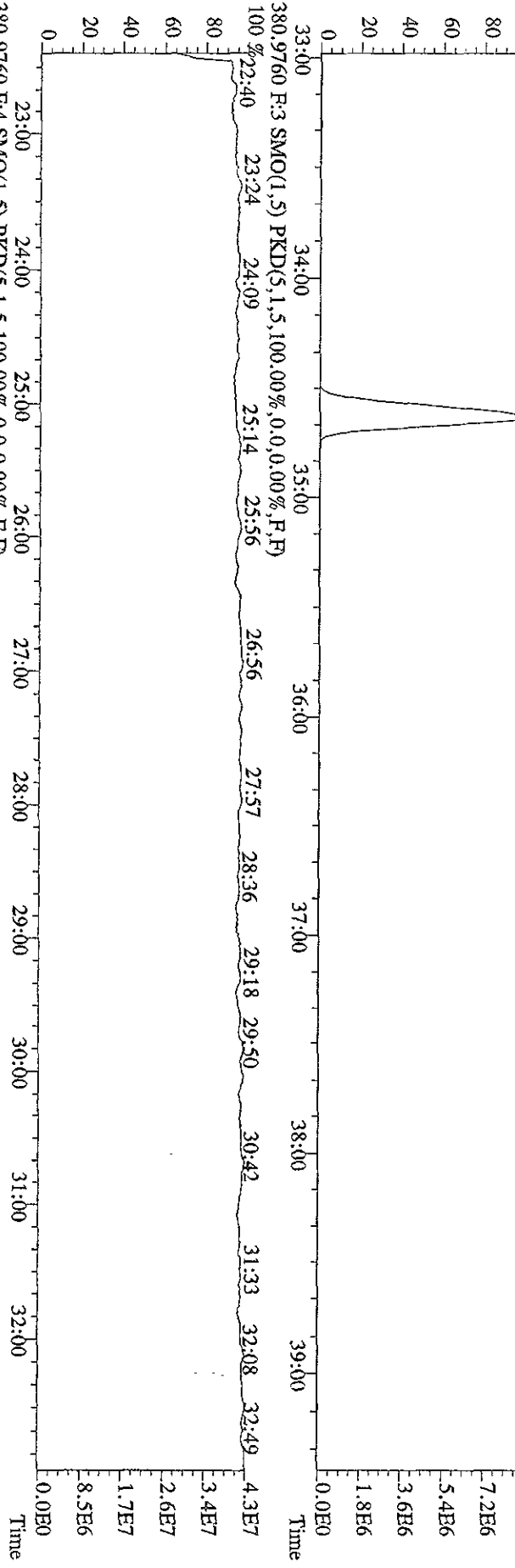
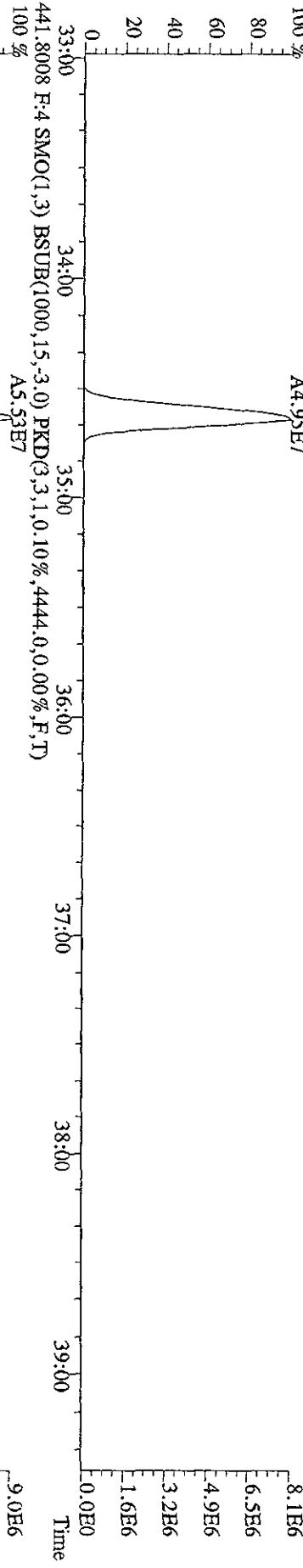




File:25MR099D5 #1-595 Acq:25-MAR-2009 13:16:03 GC BI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0325 :G33 09DXN016 Exp:209DB5  
 323.8834 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3292.0,0.00%,F,T)



File:25MR099D5 #1-394 Acq:25-MAR-2009 13:16:03 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#1 Text:ST0325 :CS3 09DXN016 Exp:209DB5  
439 8038 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,4520.0,0.00%,F,T)  
100 % A4.95E7

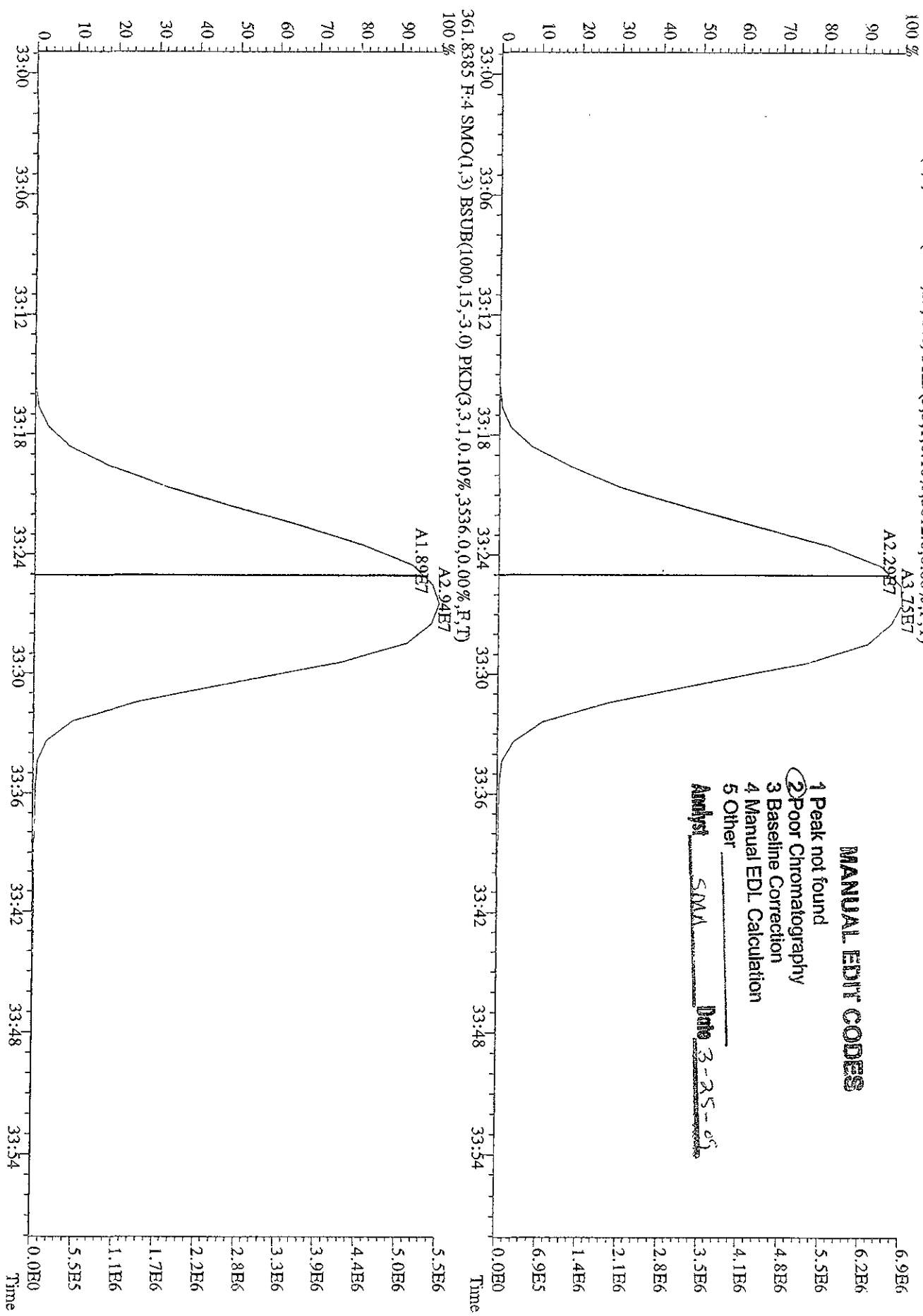


File: 25MR099D5 #1-394 Acq: 25-MAR-2009 13:16:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0325 : CS3 09DXNN016 Exp: 209DB5  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,3812,0,0.00%,F,T)  
 100%

**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst SMA Date 3-25-09



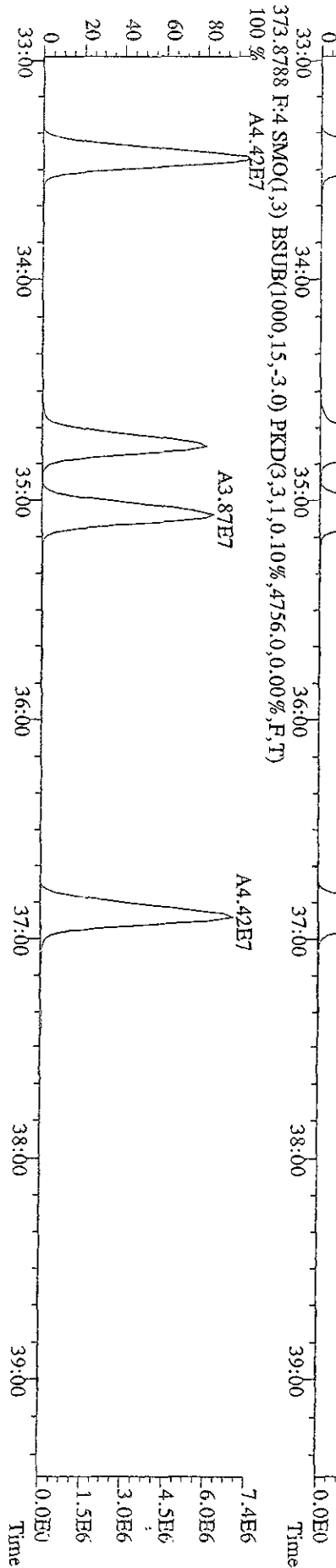
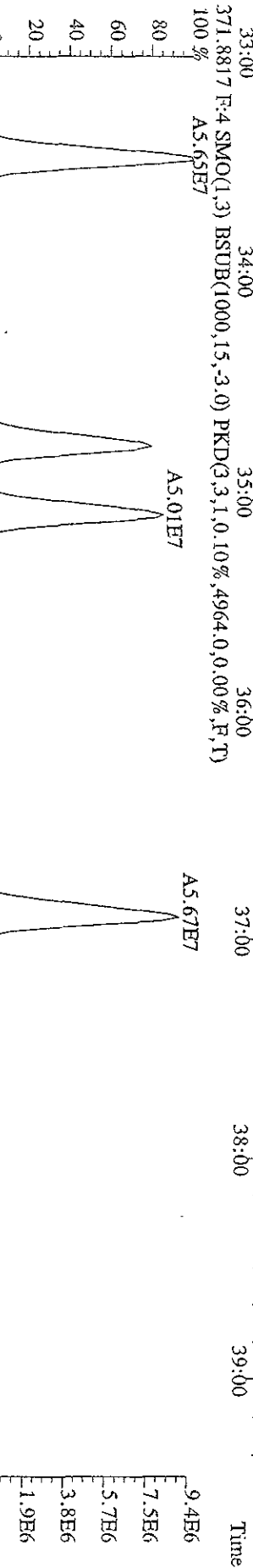
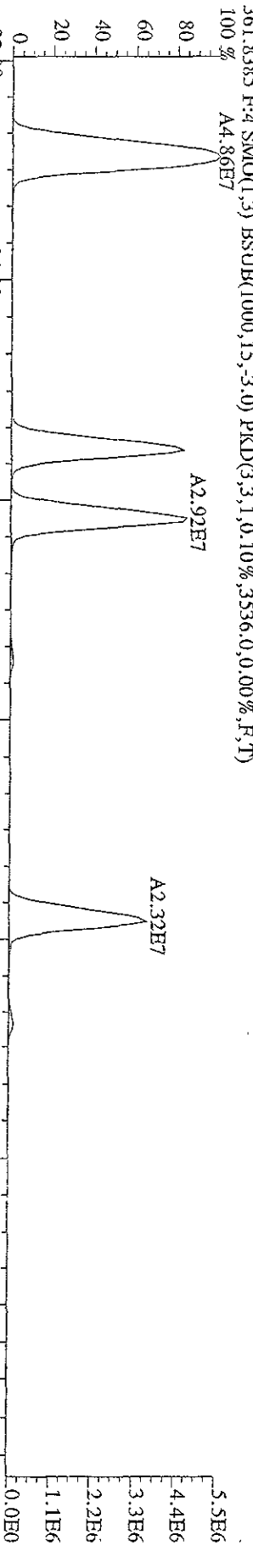
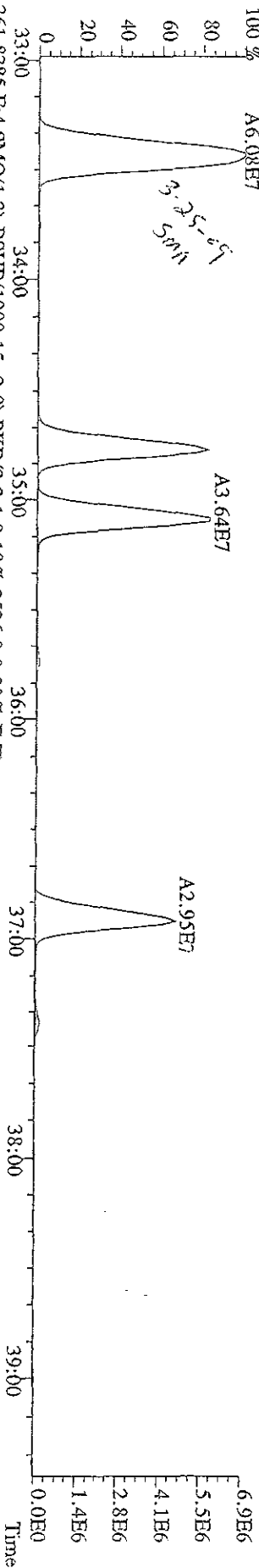
File: 25MR099D5 #1.394 Acq: 25-MAR-2009 13:16:03 GC HI + Voltage SIR Autospec-Ultimate

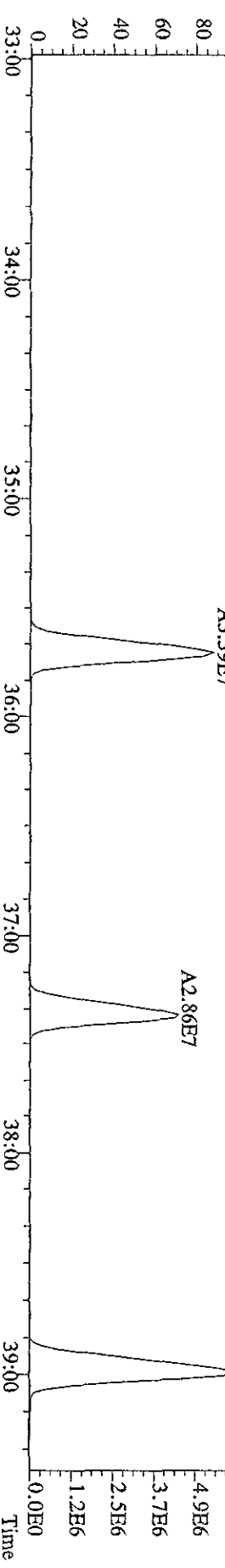
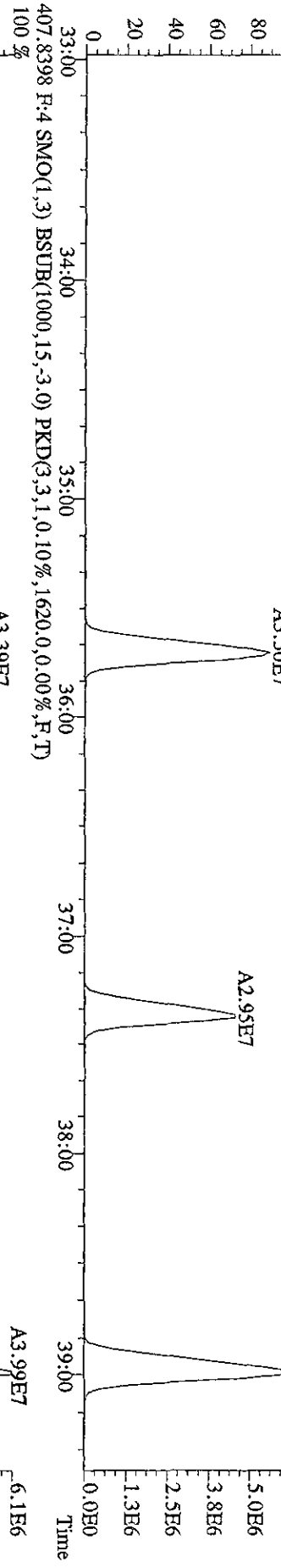
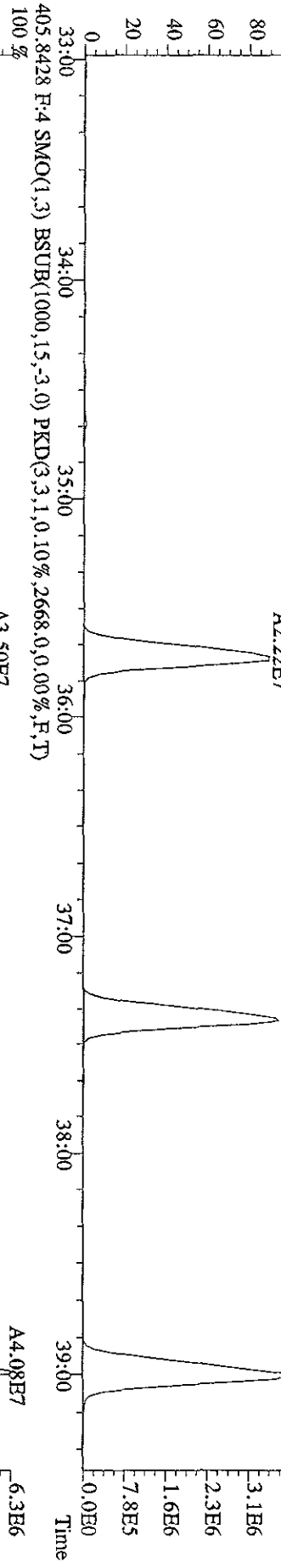
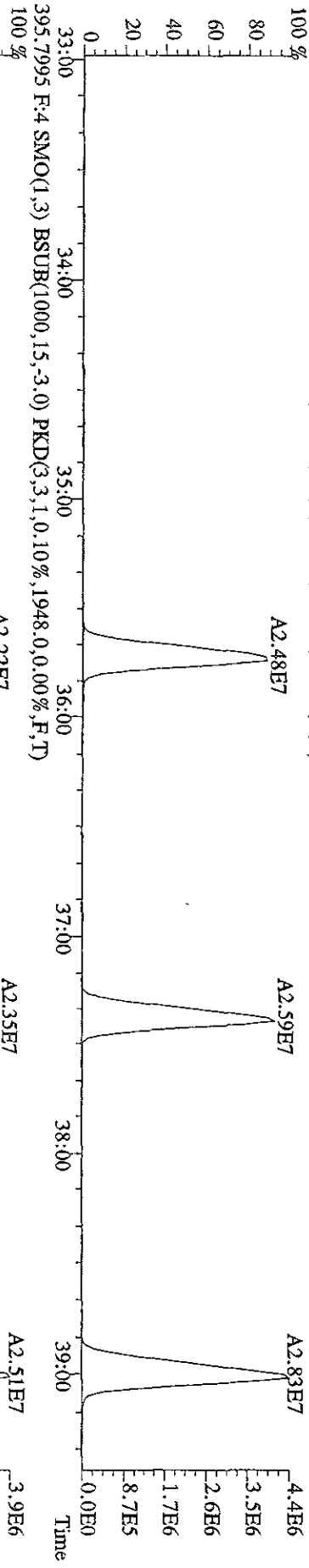
Sample#1 Text: ST0325 :CS3 09DXN016 Exp: 209DB5

359.8415 F: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3812,0,0,00%,F,T)

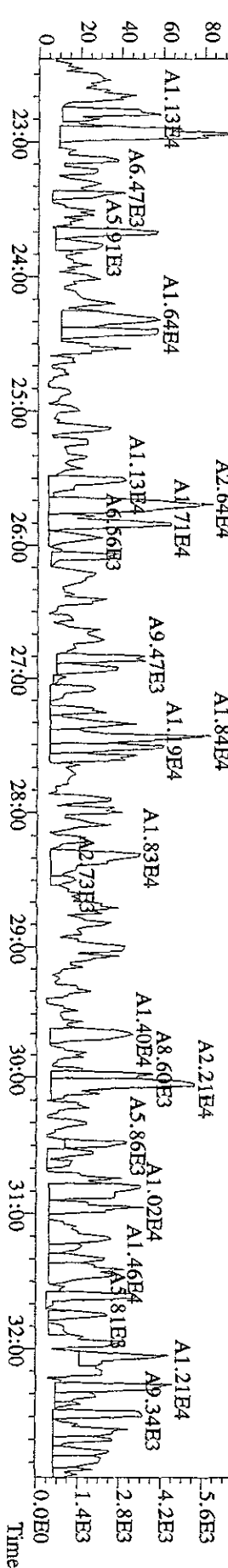
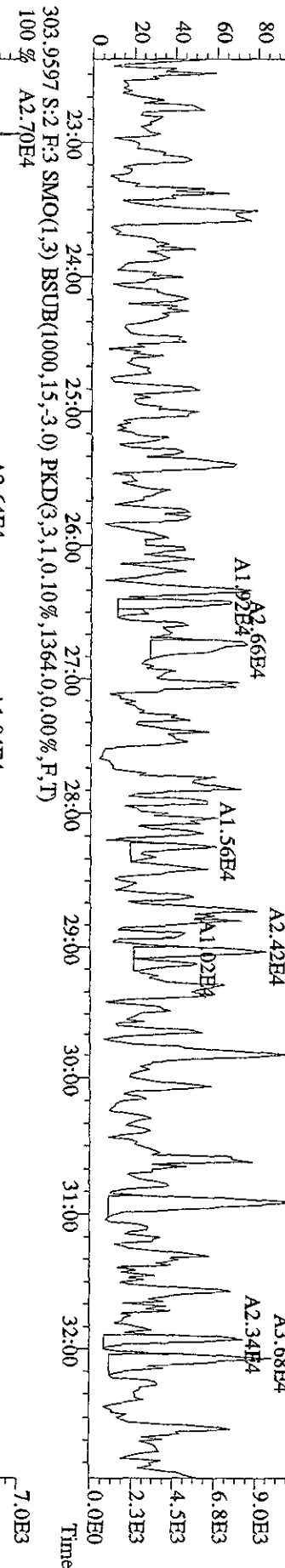
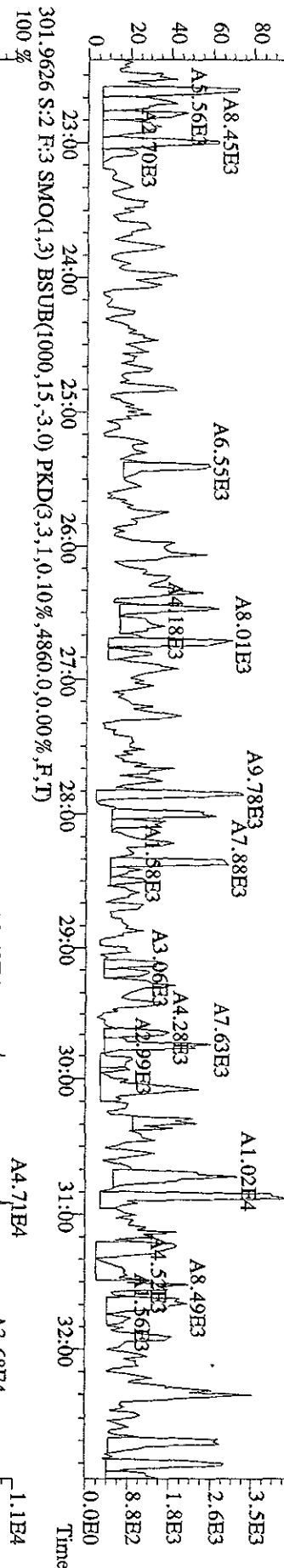
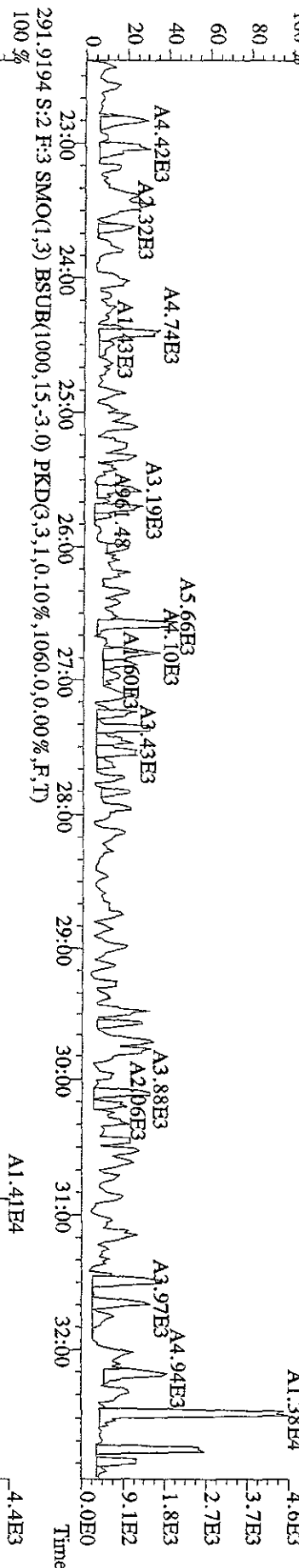
100%

*5.2-5.3 min*

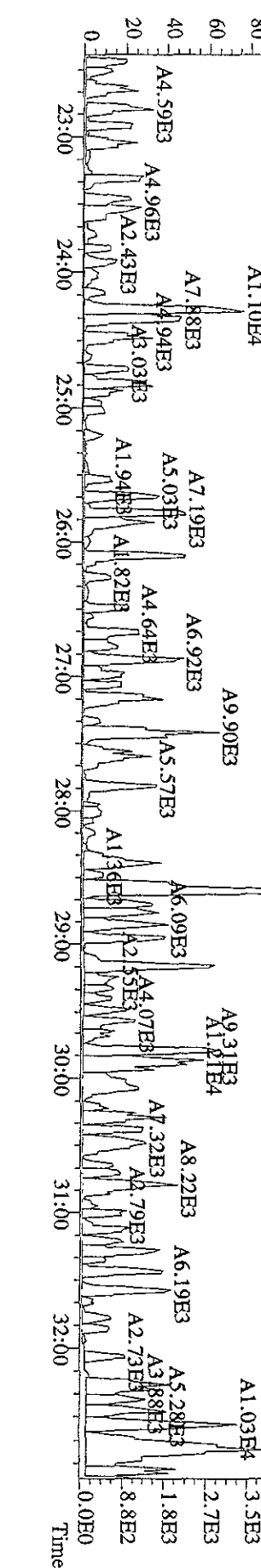
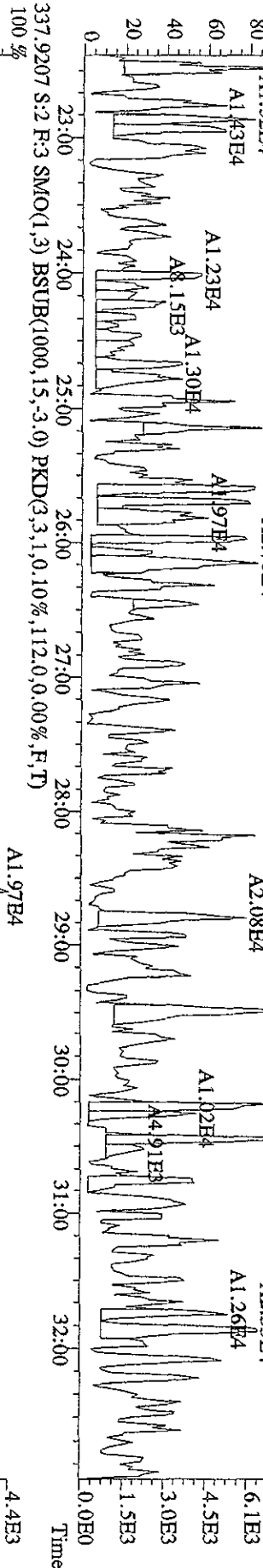
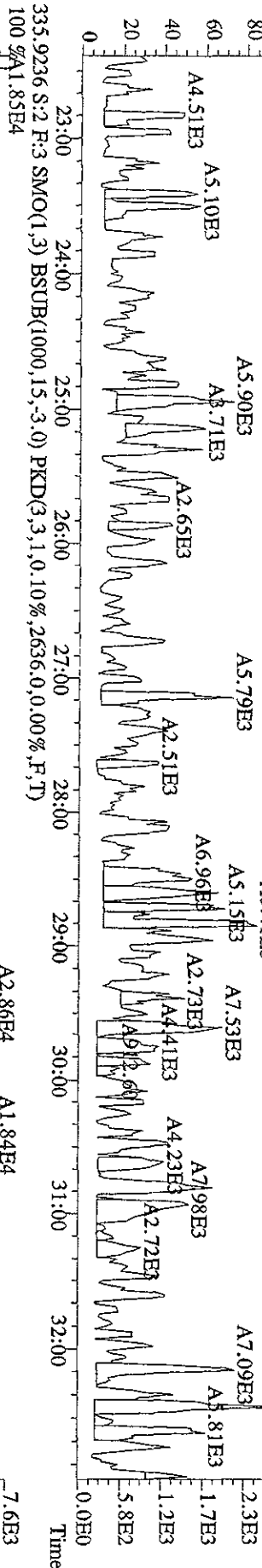
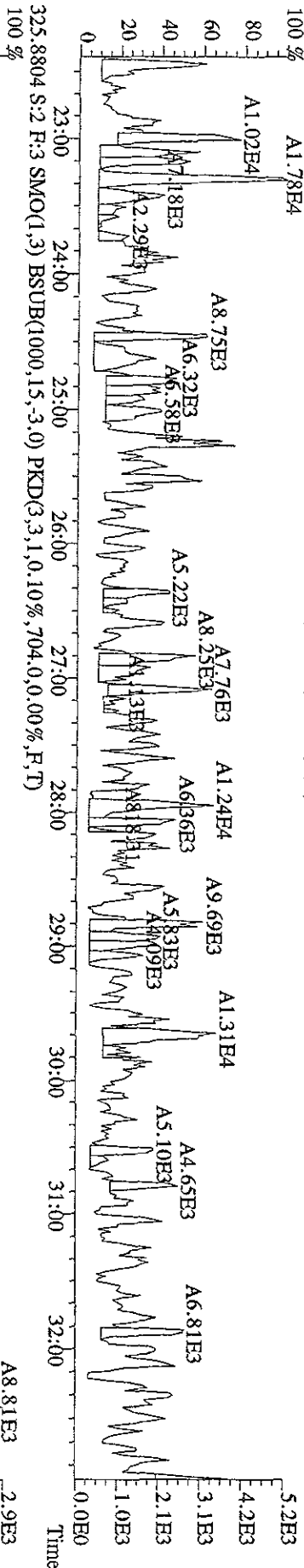




File: 25MR099D5 #1-595 Acq: 25-MAR-2009 14:11:29 GC FI+ Voltage SIR Autospec-Ultimate  
 Sample# 2 Text: SB0325 .Solvent Blank C-12 Exp: 209DB5  
 289.9224 S: 2 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,620,0,0,00%,F,T)



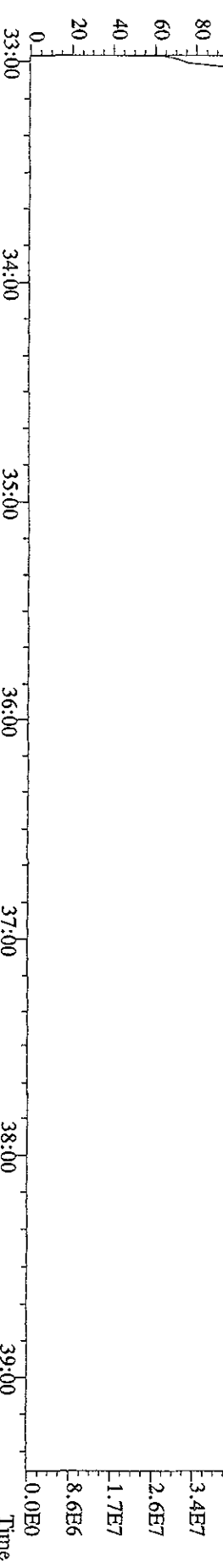
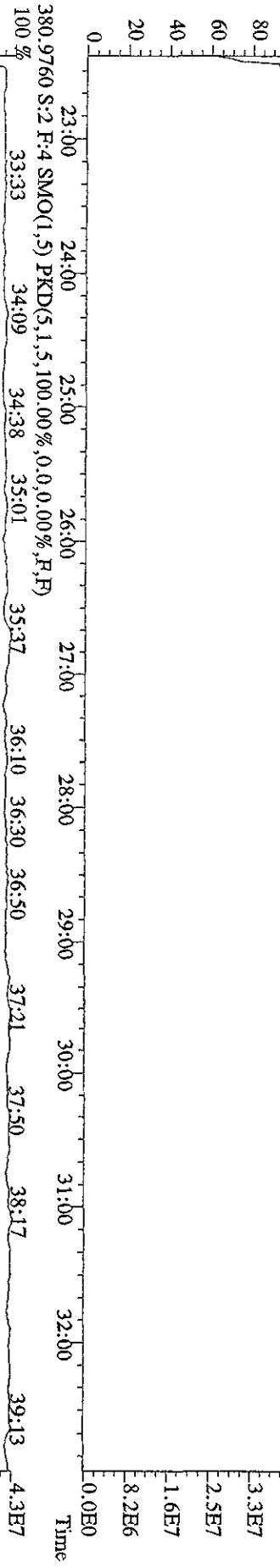
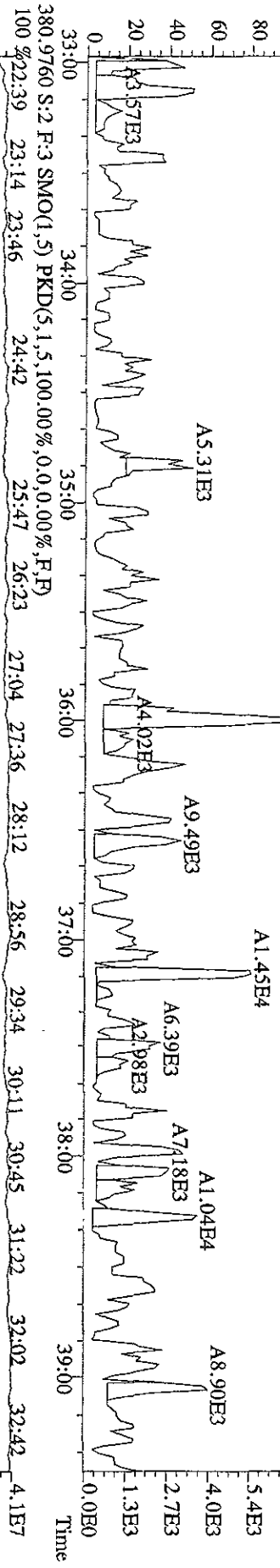
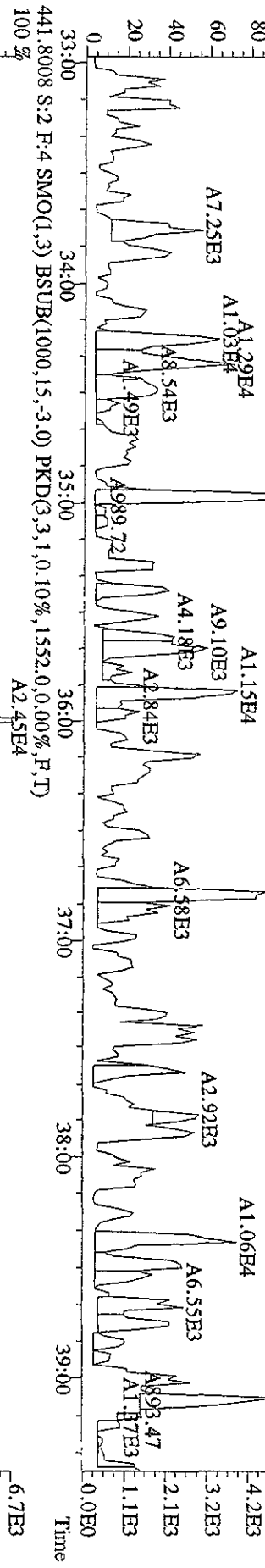
File: 25MR099D5 #1-595 Acq: 25-MAR-2009 14:11:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: SB0325 :Solvent Blank C-12 Exp: 209DB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1328,0,0,00%,F,T)  
 100% A1.78E4



File: 25MR099D5 #1-394 Acq: 25-MAR-2009 14:11:29 GC EI+ Voltage SIR Autospec-UltimaF

Sample#2 Text: SB0325 :Solvent Blank C-12 Exp: 209DB5

439.8038 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1364.0,0.00%,F,T)

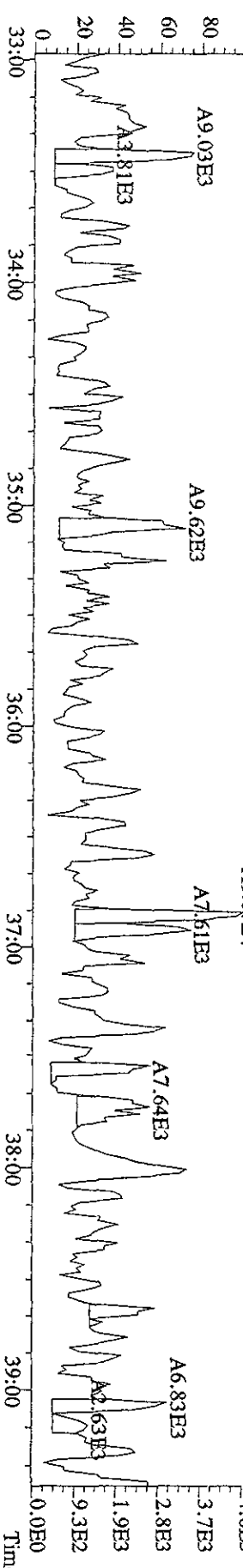
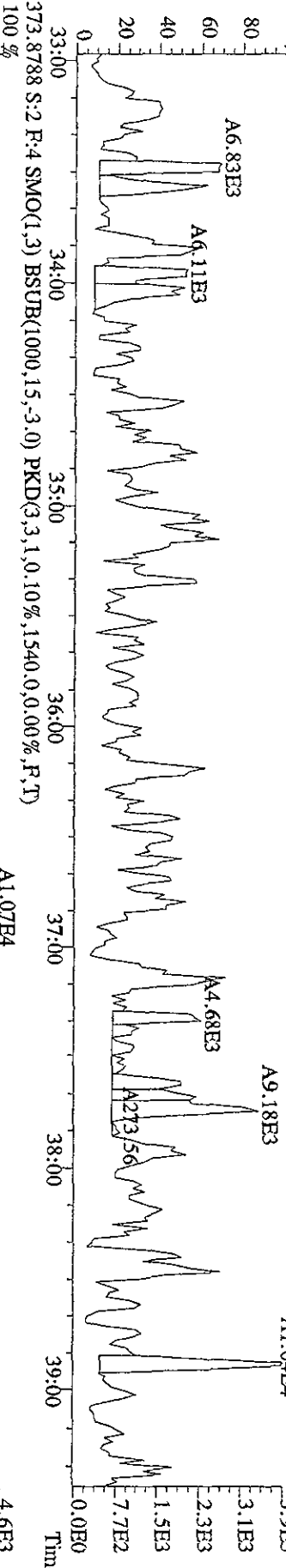
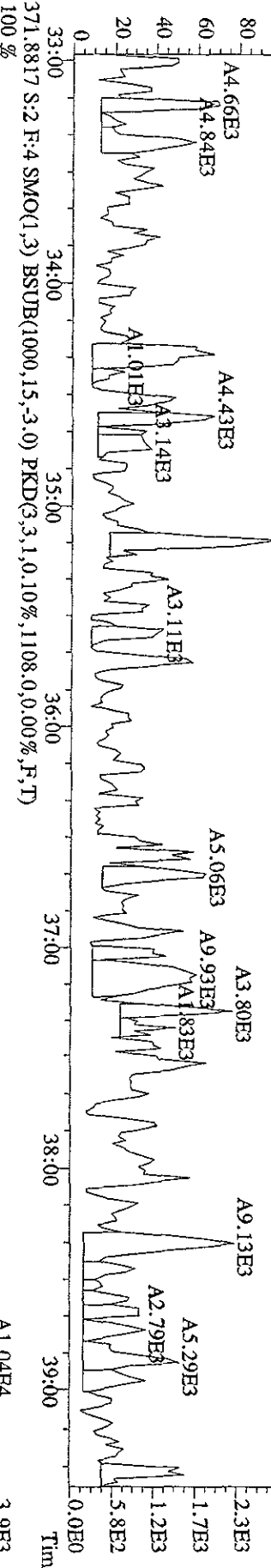
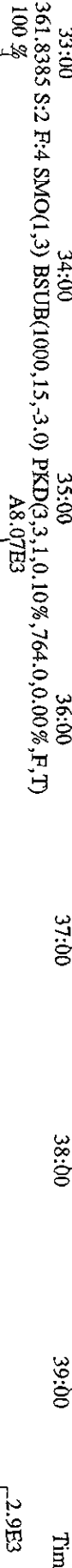
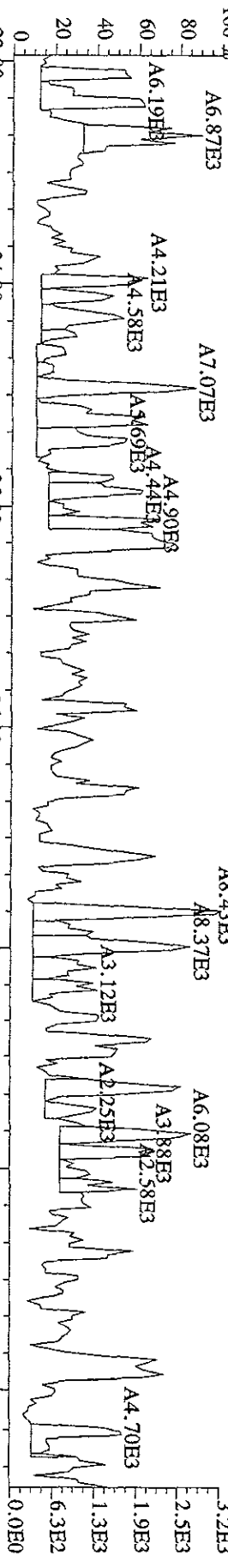




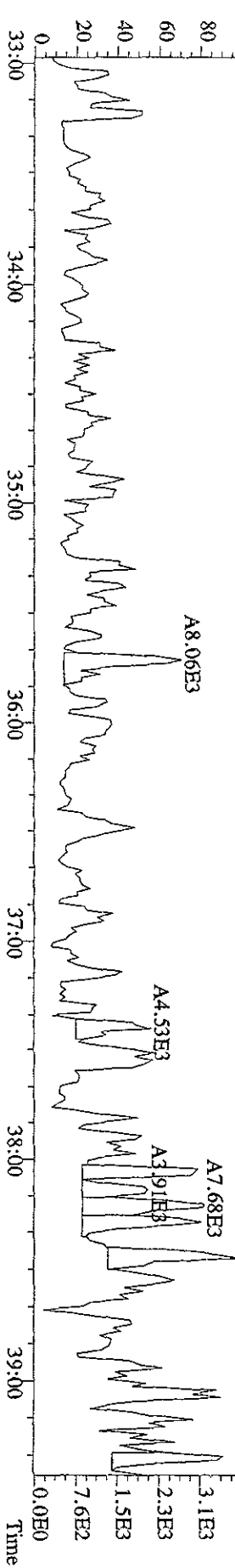
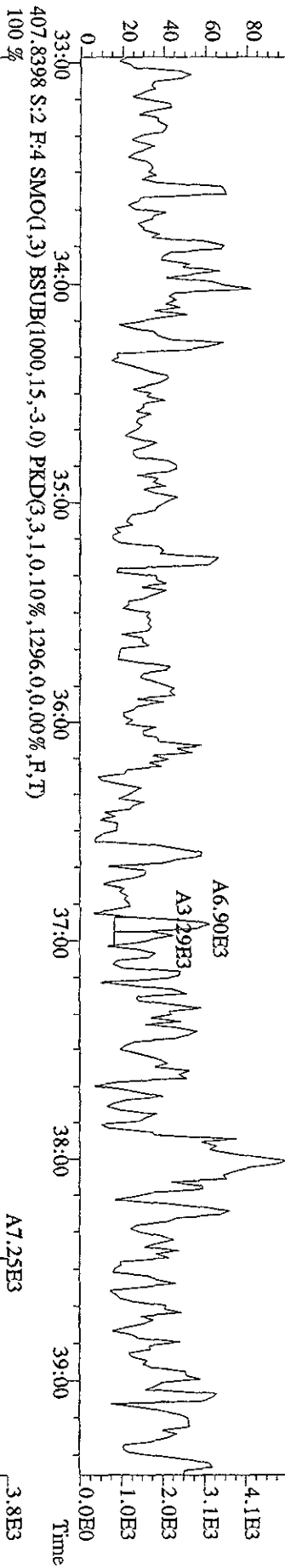
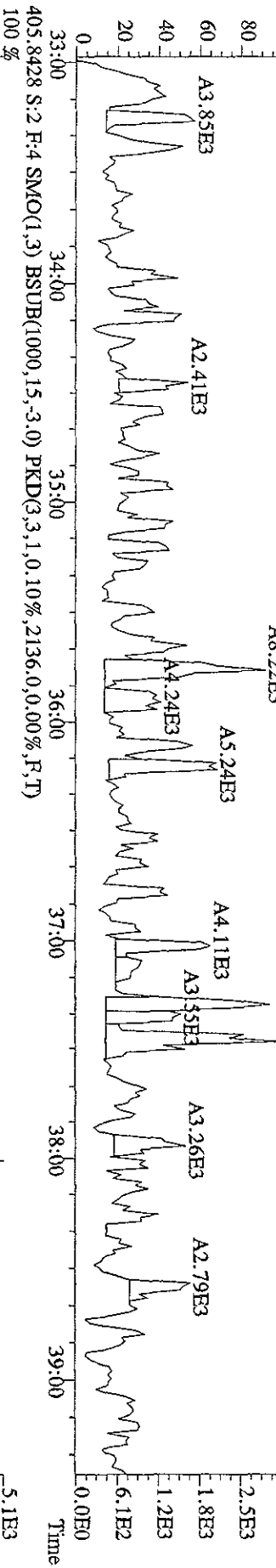
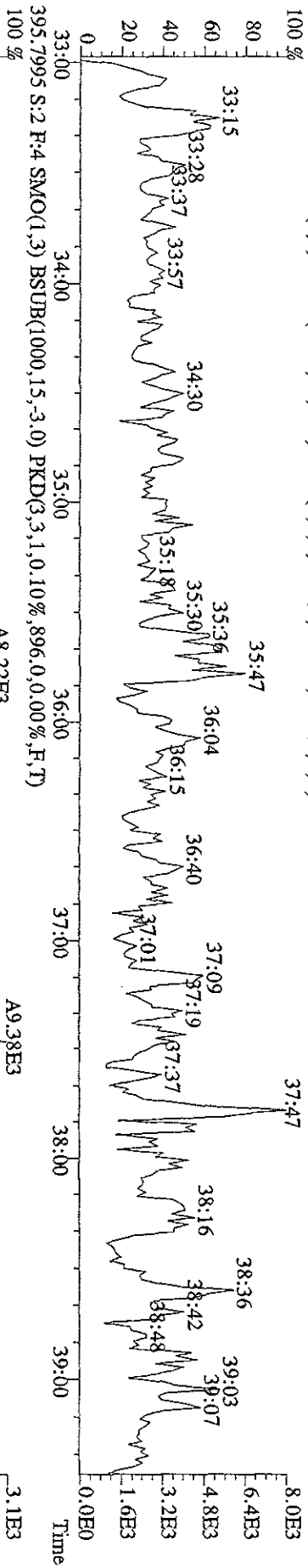
File:25MR099D5 #1-394 Acq:25-MAR-2009 14:11:29 GC EI+ Voltage SIR Autospec-UltimaE

Sample#2 Text:SB0325 :Solvent Blank C-12 Exp:209DB5

359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,964.0,0.00%,F,T)



File:25MR099D5 #1-394 Acq:25-MAR-2009 14:11:29 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#2 Text:SB0325 :Solvent Blank C-12 Exp:209DB5  
 393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3668,0,0,00%,F,T)



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID (1668MSL, 1668MDB5, 1668MSLDEL, LEGSPCRS) 0115099D5

Method ID 1668M Date Scanned 1/22/09 gjs

Column ID DB-5 Instrument ID 9D5

STD ID's ST0115+ST0115(A-D) STD Solution CPD.XN (014-08)

GC Program 209DB5 Multiplier Setting 404

Analyzed By Am/KAS Date Analyzed 1/15/09

Prepared By KAS Date Prepared 1/16/09

Reviewed By M.G. Date Reviewed 1/19/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for natives and ±40% for labeled compounds; S/N ≥ 2.5  
1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 2.5

Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

Run #1    Filename 15JA09D9D5    S: 1    I: 1  
 Acquired: 15-JAN-09    20:25:19    Processed: 16-JAN-09    15:15:27  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115 :CS1 09DXN014

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	199610800	0.65 y	25:23	-	100.00	n
13C-TCB-81	185693700	0.78 y	27:00	0.9303	100.00	n
TCB-81	2422266	0.68 y	27:01	1.3044	1.00	n
13C-TCB-77	194359500	0.80 y	27:34	0.9737	100.00	n
TCB-77	1969891	0.83 y	27:35	1.0135	1.00	n
13C-PeCB-123	166450700	0.65 y	28:54	0.8339	100.00	n
PeCB-123	2551600	0.67 y	28:55	1.5329	1.00	n
13C-PeCB-118	192926200	0.65 y	29:02	0.9665	100.00	n
PeCB-118/106	2948540	0.56 y	29:03	1.5283	1.00	n
13C-PeCB-114	190199200	0.65 y	29:41	0.9528	100.00	n
PeCB-114	3091930	0.56 y	29:42	1.6256	1.00	n
13C-PeCB-105	175973900	0.66 y	30:34	0.8816	100.00	n
PeCB-105/127	2519762	0.57 y	30:35	1.4319	1.00	n
13C-PeCB-126	176574800	0.65 y	32:30	0.8846	100.00	n
PeCB-126	2054057	0.56 y	32:31	1.1633	1.00	n
13C-OcCB-202	212477100	0.87 y	34:43	-	100.00	n
13C-HxCB-167	170138000	1.26 y	33:36	0.8007	100.00	n
HxCB-167	1881460	1.19 y	33:37	1.1058	1.00	y
13C-HxCB-156	134149800	1.28 y	34:53	0.6314	100.00	n
HxCB-156	1989175	1.35 y	34:54	1.4828	1.00	y
13C-HxCB-157	143553000	1.26 y	35:12	0.6756	100.00	n
HxCB-157	2106500	1.23 y	35:13	1.4674	1.00	n
13C-HxCB-169	146322800	1.26 y	37:05	0.6887	100.00	n
HxCB-169	1350130	1.32 y	37:06	0.9227	1.00	n
13C-HpCB-180	124212300	1.03 y	35:49	0.5846	100.00	n
HpCB-180	1524803	1.00 y	35:50	1.2276	1.00	n
13C-HpCB-170	97418600	1.05 y	37:29	0.4585	100.00	n
HpCB-170/190	1658961	1.09 y	37:30	1.7029	1.00	n
13C-HpCB-189	123177500	1.04 y	39:07	0.5797	100.00	n
HpCB-189	1353507	1.09 y	39:08	1.0988	1.00	n
13C-DeCB-209	93890300	0.73 y	44:04	0.4419	100.00	n
DeCB-209	1476592	0.79 y	44:05	1.5727	1.00	n
13C-PeCB-111	251775800	0.65 y	26:50	1.3881	100.00	n

Run #2    Filename 15JA09D9D5    S: 2    I: 1  
 Acquired: 15-JAN-09    21:16:36    Processed: 16-JAN-09    15:15:28  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115A :CS2 09DXN015

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	260995000	0.65 y	25:23	-	100.00	n
13C-TCB-81	249140000	0.78 y	26:59	0.9546	100.00	n
TCB-81	16061260	0.76 y	27:00	1.2893	5.00	n
13C-TCB-77	264238000	0.77 y	27:34	1.0124	100.00	n
TCB-77	14325810	0.78 y	27:35	1.0843	5.00	n
13C-PeCB-123	234556000	0.65 y	28:54	0.8987	100.00	n
PeCB-123	18341690	0.59 y	28:55	1.5639	5.00	n
13C-PeCB-118	256914000	0.65 y	29:03	0.9844	100.00	n
PeCB-118/106	20151520	0.57 y	29:04	1.5687	5.00	n
13C-PeCB-114	250979200	0.66 y	29:41	0.9616	100.00	n
PeCB-114	20878680	0.58 y	29:42	1.6638	5.00	n
13C-PeCB-105	236551000	0.66 y	30:35	0.9063	100.00	n
PeCB-105/127	17595610	0.59 y	30:36	1.4877	5.00	n
13C-PeCB-126	248209700	0.65 y	32:31	0.9510	100.00	n
PeCB-126	14246760	0.58 y	32:32	1.1480	5.00	n
13C-OcCB-202	281047000	0.88 y	34:44	-	100.00	n
13C-HxCB-167	239554000	1.25 y	33:35	0.8524	100.00	n
HxCB-167	14283760	1.30 y	33:36	1.1925	5.00	y
13C-HxCB-156	191560200	1.29 y	34:54	0.6816	100.00	n
HxCB-156	14097740	1.24 y	34:55	1.4719	5.00	n
13C-HxCB-157	203989500	1.25 y	35:13	0.7258	100.00	n
HxCB-157	14921860	1.23 y	35:14	1.4630	5.00	n
13C-HxCB-169	217321000	1.26 y	37:06	0.7733	100.00	n
HxCB-169	10658530	1.26 y	37:07	0.9809	5.00	n
13C-HpCB-180	164976900	1.05 y	35:50	0.5870	100.00	n
HpCB-180	11114430	1.12 y	35:51	1.3474	5.00	n
13C-HpCB-170	134170200	1.07 y	37:29	0.4774	100.00	n
HpCB-170/190	11010430	1.08 y	37:30	1.6413	5.00	n
13C-HpCB-189	176083100	1.06 y	39:08	0.6265	100.00	n
HpCB-189	10942400	1.12 y	39:09	1.2429	5.00	n
13C-DeCB-209	137327200	0.71 y	44:04	0.4886	100.00	n
DeCB-209	10345550	0.68 y	44:04	1.5067	5.00	n
13C-PeCB-111	340992000	0.65 y	26:51	1.3932	100.00	n



Run #3 Filename 15JA09D9D5 S: 3 I: 1  
 Acquired: 15-JAN-09 22:07:59 Processed: 16-JAN-09 15:15:28  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115B :CS3 09DXN016

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	247603800	0.65 y	25:22	-	100.00	n
13C-TCB-81	233777000	0.77 y	26:59	0.9442	100.00	n
TCB-81	149921700	0.75 y	27:00	1.2826	50.00	n
13C-TCB-77	238978000	0.76 y	27:33	0.9652	100.00	n
TCB-77	138181800	0.73 y	27:34	1.1564	50.00	n
13C-PeCB-123	215123600	0.65 y	28:53	0.8688	100.00	n
PeCB-123	162536900	0.59 y	28:54	1.5111	50.00	n
13C-PeCB-118	245223200	0.66 y	29:02	0.9904	100.00	n
PeCB-118/106	190014200	0.59 y	29:03	1.5497	50.00	n
13C-PeCB-114	238819200	0.65 y	29:41	0.9645	100.00	n
PeCB-114	188844900	0.59 y	29:42	1.5815	50.00	n
13C-PeCB-105	218554600	0.65 y	30:34	0.8827	100.00	n
PeCB-105/127	155882200	0.59 y	30:35	1.4265	50.00	n
13C-PeCB-126	216706200	0.65 y	32:30	0.8752	100.00	n
PeCB-126	130429700	0.59 y	32:31	1.2037	50.00	n
13C-OcCB-202	255723000	0.85 y	34:43	-	100.00	n
13C-HxCB-167	215596800	1.26 y	33:35	0.8431	100.00	n
HxCB-167	124009600	1.25 y	33:36	1.1504	50.00	n
13C-HxCB-156	170578000	1.29 y	34:53	0.6670	100.00	n
HxCB-156	124140900	1.27 y	34:54	1.4555	50.00	n
13C-HxCB-157	180842200	1.26 y	35:12	0.7072	100.00	n
HxCB-157	131350200	1.29 y	35:13	1.4526	50.00	n
13C-HxCB-169	185144100	1.26 y	37:05	0.7240	100.00	n
HxCB-169	93867200	1.26 y	37:06	1.0140	50.00	n
13C-HpCB-180	150765500	1.05 y	35:49	0.5896	100.00	n
HpCB-180	95947800	1.12 y	35:50	1.2728	50.00	n
13C-HpCB-170	122011600	1.05 y	37:28	0.4771	100.00	n
HpCB-170/190	96760500	1.10 y	37:29	1.5861	50.00	n
13C-HpCB-189	148558600	1.05 y	39:07	0.5809	100.00	n
HpCB-189	92642400	1.10 y	39:09	1.2472	50.00	n
13C-DeCB-209	113795700	0.72 y	44:04	0.4450	100.00	n
DECB-209	85226100	0.70 y	44:05	1.4979	50.00	n
13C-PeCB-111	311176000	0.65 y	26:50	1.3563	100.00	n

Run #4 Filename 15JA09D9D5 S: 4 I: 1  
 Acquired: 15-JAN-09 22:59:23 Processed: 16-JAN-09 15:15:29  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115C :CS4 09DXN017

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	244688200	0.65 y	25:22	-	100.00	n
13C-TCB-81	225028900	0.77 y	26:58	0.9197	100.00	n
TCB-81	563034000	0.76 y	27:00	1.2510	200.00	n
13C-TCB-77	234441000	0.79 y	27:33	0.9581	100.00	n
TCB-77	517095000	0.76 y	27:34	1.1028	200.00	n
13C-PeCB-123	206159900	0.64 y	28:53	0.8425	100.00	n
PeCB-123	604243000	0.59 y	28:54	1.4655	200.00	n
13C-PeCB-118	235957000	0.65 y	29:02	0.9643	100.00	n
PeCB-118/106	706242000	0.60 y	29:03	1.4965	200.00	n
13C-PeCB-114	228278000	0.65 y	29:41	0.9329	100.00	n
PeCB-114	695511000	0.59 y	29:42	1.5234	200.00	n
13C-PeCB-105	213978600	0.66 y	30:34	0.8745	100.00	n
PeCB-105/127	588578000	0.59 y	30:35	1.3753	200.00	n
13C-PeCB-126	209532200	0.65 y	32:30	0.8563	100.00	n
PeCB-126	485179000	0.60 y	32:31	1.1578	200.00	n
13C-OcCB-202	249730000	0.88 y	34:43	-	100.00	n
13C-HxCB-167	202489900	1.26 y	33:35	0.8108	100.00	n
HxCB-167	514368000	1.27 y	33:36	1.2701	200.00	y
13C-HxCB-156	161737900	1.28 y	34:53	0.6477	100.00	n
HxCB-156	462927000	1.27 y	34:54	1.4311	200.00	n
13C-HxCB-157	166710400	1.24 y	35:12	0.6676	100.00	n
HxCB-157	478186000	1.28 y	35:13	1.4342	200.00	n
13C-HxCB-169	164652600	1.25 y	37:05	0.6593	100.00	n
HxCB-169	333850000	1.27 y	37:06	1.0138	200.00	n
13C-HpCB-180	138296100	1.06 y	35:49	0.5538	100.00	n
HpCB-180	345005000	1.10 y	35:50	1.2473	200.00	n
13C-HpCB-170	113146600	1.05 y	37:28	0.4531	100.00	n
HpCB-170/190	352545000	1.09 y	37:29	1.5579	200.00	n
13C-HpCB-189	136856900	1.04 y	39:07	0.5480	100.00	n
HpCB-189	333672000	1.09 y	39:08	1.2191	200.00	n
13C-DeCB-209	103579600	0.73 y	44:04	0.4148	100.00	n
DECB-209	300002000	0.69 y	44:05	1.4482	200.00	n
13C-PeCB-111	303933000	0.65 y	26:50	1.3747	100.00	n

Run #5 Filename 15JA09D9D5 S: 5 I: 1  
 Acquired: 15-JAN-09 23:50:45 Processed: 16-JAN-09 15:15:30  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115D :CSS 09DXN018

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	269657000	0.66 y	25:22	-	100.00	n
13C-TCB-81	266360000	0.78 y	26:58	0.9878	100.00	n
TCB-81	1683380000	0.75 y	26:59	1.2640	500.00	n
13C-TCB-77	270360000	0.78 y	27:32	1.0026	100.00	n
TCB-77	1568248000	0.76 y	27:34	1.1601	500.00	n
13C-PeCB-123	246305200	0.67 y	28:52	0.9134	100.00	n
PeCB-123	1812283000	0.59 y	28:53	1.4716	500.00	n
13C-PeCB-118	274268000	0.66 y	29:01	1.0171	100.00	n
PeCB-118/106	2052633000	0.60 y	29:02	1.4968	500.00	n
13C-PeCB-114	274985000	0.66 y	29:40	1.0198	100.00	n
PeCB-114	2107813000	0.59 y	29:41	1.5330	500.00	n
13C-PeCB-105	253776000	0.66 y	30:33	0.9411	100.00	n
PeCB-105/127	1763571000	0.59 y	30:34	1.3899	500.00	n
13C-PeCB-126	267077000	0.65 y	32:28	0.9904	100.00	n
PeCB-126	1593533000	0.59 y	32:30	1.1933	500.00	n
13C-OcCB-202	287841000	0.87 y	34:42	-	100.00	n
13C-HxCB-167	259291000	1.26 y	33:33	0.9008	100.00	n
HxCB-167	1459083000	1.28 y	33:34	1.1254	500.00	y
13C-HxCB-156	208239300	1.29 y	34:52	0.7235	100.00	n
HxCB-156	1478482000	1.28 y	34:53	1.4200	500.00	n
13C-HxCB-157	218180700	1.26 y	35:11	0.7580	100.00	n
HxCB-157	1543594000	1.27 y	35:12	1.4150	500.00	n
13C-HxCB-169	236681000	1.26 y	37:03	0.8223	100.00	n
HxCB-169	1200567000	1.27 y	37:04	1.0145	500.00	n
13C-HpCB-180	175051700	1.04 y	35:48	0.6082	100.00	n
HpCB-180	1077386000	1.09 y	35:49	1.2309	500.00	n
13C-HpCB-170	145642800	1.05 y	37:28	0.5060	100.00	n
HpCB-170/190	1124352000	1.08 y	37:29	1.5440	500.00	n
13C-HpCB-189	189236300	1.05 y	39:06	0.6574	100.00	n
HpCB-189	1158078000	1.09 y	39:07	1.2239	500.00	n
13C-DeCB-209	146952700	0.73 y	44:04	0.5105	100.00	n
DECB-209	1100843000	0.70 y	44:04	1.4982	500.00	n
13C-PeCB-111	333490000	0.65 y	26:50	1.2712	100.00	n

ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-PeCB-111	1.362	0.054	3.98 %	1.40	1.39	1.37	1.39	1.27

Run #1 Filename 15JA09D9D5 S: 1 I: 1  
 Acquired: 15-JAN-09 20:25:19 Processed: 16-JAN-09 15:08:40  
 Run: 1668MSL01157 Analyte: 1668MSL Cal: 1668MSL0115099D5

Comments:

Sample text: ST0115 :CS1 09DXN014

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	199610800	0.65 y	25:23	-	100.00 n
13C-TCB-81	185693700	0.78 y	27:00	0.9303	100.00 n
TCB-81	2422266	0.68 y	27:01	1.3044	1.00 n
13C-TCB-77	194359500	0.80 y	27:34	0.9737	100.00 n
TCB-77	1969891	0.83 y	27:35	1.0135	1.00 n
13C-PeCB-123	166450700	0.65 y	28:54	0.8339	100.00 n
PeCB-123	2551600	0.67 y	28:55	1.5329	1.00 n
13C-PeCB-118	192926200	0.65 y	29:02	0.9665	100.00 n
PeCB-118/106	2948540	0.56 y	29:03	1.5283	1.00 n
13C-PeCB-114	190199200	0.65 y	29:41	0.9528	100.00 n
PeCB-114	3091930	0.56 y	29:42	1.6256	1.00 n
13C-PeCB-105	175973900	0.66 y	30:34	0.8816	100.00 n
PeCB-105/127	2519762	0.57 y	30:35	1.4319	1.00 n
13C-PeCB-126	176574800	0.65 y	32:30	0.8846	100.00 n
PeCB-126	2054057	0.56 y	32:31	1.1633	1.00 n
13C-OcCB-202	212477100	0.87 y	34:43	-	100.00 n
13C-HxCB-167	170138000	1.26 y	33:36	0.8007	100.00 n
HxCB-167	1881460	1.19 y	33:37	1.1058	1.00 y
13C-HxCB-156	134149800	1.28 y	34:53	0.6314	100.00 n
HxCB-156	1989175	1.35 y	34:54	1.4828	1.00 y
13C-HxCB-157	143553000	1.26 y	35:12	0.6756	100.00 n
HxCB-157	2106500	1.23 y	35:13	1.4674	1.00 n
13C-HxCB-169	146322800	1.26 y	37:05	0.6887	100.00 n
HxCB-169	1350130	1.32 y	37:06	0.9227	1.00 n
13C-HpCB-180	124212300	1.03 y	35:49	0.5846	100.00 n
HpCB-180	1524803	1.00 y	35:50	1.2276	1.00 n
13C-HpCB-170	97418600	1.05 y	37:29	0.4585	100.00 n
HpCB-170/190	1658961	1.09 y	37:30	1.7029	1.00 n
13C-HpCB-189	123177500	1.04 y	39:07	0.5797	100.00 n
HpCB-189	1353507	1.09 y	39:08	1.0988	1.00 n
13C-PeCB-111	251775800	0.65 y	26:50	1.3955	100.00 n

Run #2 Filename 15JA09D9D5 S: 2 I: 1  
 Acquired: 15-JAN-09 21:16:36 Processed: 16-JAN-09 15:08:40  
 Run: 1668MSL0115 Analyte: 1668MSL Cal: 1668MSL0115099D5

Comments:

Sample text: ST0115A :CS2 09DXN015

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	260995000	0.65 y	25:23	-	100.00	n
13C-TCB-81	249140000	0.78 y	26:59	0.9546	100.00	n
TCB-81	16061260	0.76 y	27:00	1.2893	5.00	n
13C-TCB-77	264238000	0.77 y	27:34	1.0124	100.00	n
TCB-77	14325810	0.78 y	27:35	1.0843	5.00	n
13C-PeCB-123	234556000	0.65 y	28:54	0.8987	100.00	n
PeCB-123	18341690	0.59 y	28:55	1.5639	5.00	n
13C-PeCB-118	256914000	0.65 y	29:03	0.9844	100.00	n
PeCB-118/106	20151520	0.57 y	29:04	1.5687	5.00	n
13C-PeCB-114	250979200	0.66 y	29:41	0.9616	100.00	n
PeCB-114	20878680	0.58 y	29:42	1.6638	5.00	n
13C-PeCB-105	236551000	0.66 y	30:35	0.9063	100.00	n
PeCB-105/127	17595610	0.59 y	30:36	1.4877	5.00	n
13C-PeCB-126	248209700	0.65 y	32:31	0.9510	100.00	n
PeCB-126	14246760	0.58 y	32:32	1.1480	5.00	n
13C-OcCB-202	281047000	0.88 y	34:44	-	100.00	n
13C-HxCB-167	239554000	1.25 y	33:35	0.8524	100.00	n
HxCB-167	14283760	1.30 y	33:36	1.1925	5.00	y
13C-HxCB-156	191560200	1.29 y	34:54	0.6816	100.00	n
HxCB-156	14097740	1.24 y	34:55	1.4719	5.00	n
13C-HxCB-157	203989500	1.25 y	35:13	0.7258	100.00	n
HxCB-157	14921860	1.23 y	35:14	1.4630	5.00	n
13C-HxCB-169	217321000	1.26 y	37:06	0.7733	100.00	n
HxCB-169	10658530	1.26 y	37:07	0.9809	5.00	n
13C-HpCB-180	164976900	1.05 y	35:50	0.5870	100.00	n
HpCB-180	11114430	1.12 y	35:51	1.3474	5.00	n
13C-HpCB-170	134170200	1.07 y	37:29	0.4774	100.00	n
HpCB-170/190	11010430	1.08 y	37:30	1.6413	5.00	n
13C-HpCB-189	176083100	1.06 y	39:08	0.6265	100.00	n
HpCB-189	10942400	1.12 y	39:09	1.2429	5.00	n
13C-PeCB-111	340992000	0.65 y	26:51	1.3893	100.00	n

Run #3 Filename 15JA09D9D5 S: 3 I: 1  
 Acquired: 15-JAN-09 22:07:59 Processed: 16-JAN-09 15:08:41  
 Run: 1668MSL0115 Analyte: 1668MSL Cal: 1668MSL0115099D5

Comments:

Sample text: ST0115B :CS3 09DXN016

Name	Resp	RA	RT	RRF	Resp	Mod?
13C-PeCB-101	247603800	0.65 y	25:22	-	100.00	n
13C-TCB-81	233777000	0.77 y	26:59	0.9442	100.00	n
TCB-81	149921700	0.75 y	27:00	1.2826	50.00	n
13C-TCB-77	238978000	0.76 y	27:33	0.9652	100.00	n
TCB-77	138181800	0.73 y	27:34	1.1564	50.00	n
13C-PeCB-123	215123600	0.65 y	28:53	0.8688	100.00	n
PeCB-123	162536900	0.59 y	28:54	1.5111	50.00	n
13C-PeCB-118	245223200	0.66 y	29:02	0.9904	100.00	n
PeCB-118/106	190014200	0.59 y	29:03	1.5497	50.00	n
13C-PeCB-114	238819200	0.65 y	29:41	0.9645	100.00	n
PeCB-114	188844900	0.59 y	29:42	1.5815	50.00	n
13C-PeCB-105	218554600	0.65 y	30:34	0.8827	100.00	n
PeCB-105/127	155882200	0.59 y	30:35	1.4265	50.00	n
13C-PeCB-126	216706200	0.65 y	32:30	0.8752	100.00	n
PeCB-126	130429700	0.59 y	32:31	1.2037	50.00	n
13C-OcCB-202	255723000	0.85 y	34:43	-	100.00	n
13C-HxCB-167	215596800	1.26 y	33:35	0.8431	100.00	n
HxCB-167	124009600	1.25 y	33:36	1.1504	50.00	n
13C-HxCB-156	170578000	1.29 y	34:53	0.6670	100.00	n
HxCB-156	124140900	1.27 y	34:54	1.4555	50.00	n
13C-HxCB-157	180842200	1.26 y	35:12	0.7072	100.00	n
HxCB-157	131350200	1.29 y	35:13	1.4526	50.00	n
13C-HxCB-169	185144100	1.26 y	37:05	0.7240	100.00	n
HxCB-169	93867200	1.26 y	37:06	1.0140	50.00	n
13C-HpCB-180	150765500	1.05 y	35:49	0.5896	100.00	n
HpCB-180	95947800	1.12 y	35:50	1.2728	50.00	n
13C-HpCB-170	122011600	1.05 y	37:28	0.4771	100.00	n
HpCB-170/190	96760500	1.10 y	37:29	1.5861	50.00	n
13C-HpCB-189	148558600	1.05 y	39:07	0.5809	100.00	n
HpCB-189	92642400	1.10 y	39:09	1.2472	50.00	n
13C-PeCB-111	311176000	0.65 y	26:50	1.3715	100.00	n



Run #4    Filename 15JA09D9D5    S: 4    I: 1  
 Acquired: 15-JAN-09    22:59:23    Processed: 16-JAN-09    15:08:42  
 Run: 1668MSL01157    Analyte: 1668MSL    Cal: 1668MSL0115099D5

Comments:

Sample text: ST0115C :CS4 09DXN017

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	244688200	0.65 y	25:22	-	100.00 n
13C-TCB-81	225028900	0.77 y	26:58	0.9197	100.00 n
TCB-81	563034000	0.76 y	27:00	1.2510	200.00 n
13C-TCB-77	234441000	0.79 y	27:33	0.9581	100.00 n
TCB-77	517095000	0.76 y	27:34	1.1028	200.00 n
13C-PeCB-123	206159900	0.64 y	28:53	0.8425	100.00 n
PeCB-123	604243000	0.59 y	28:54	1.4655	200.00 n
13C-PeCB-118	235957000	0.65 y	29:02	0.9643	100.00 n
PeCB-118/106	706242000	0.60 y	29:03	1.4965	200.00 n
13C-PeCB-114	228278000	0.65 y	29:41	0.9329	100.00 n
PeCB-114	695511000	0.59 y	29:42	1.5234	200.00 n
13C-PeCB-105	213978600	0.66 y	30:34	0.8745	100.00 n
PeCB-105/127	588578000	0.59 y	30:35	1.3753	200.00 n
13C-PeCB-126	209532200	0.65 y	32:30	0.8563	100.00 n
PeCB-126	485179000	0.60 y	32:31	1.1578	200.00 n
13C-OcCB-202	249730000	0.88 y	34:43	-	100.00 n
13C-HxCB-167	202489900	1.26 y	33:35	0.8108	100.00 n
HxCB-167	514368000	1.27 y	33:36	1.2701	200.00 y
13C-HxCB-156	161737900	1.28 y	34:53	0.6477	100.00 n
HxCB-156	462927000	1.27 y	34:54	1.4311	200.00 n
13C-HxCB-157	166710400	1.24 y	35:12	0.6676	100.00 n
HxCB-157	478186000	1.28 y	35:13	1.4342	200.00 n
13C-HxCB-169	164652600	1.25 y	37:05	0.6593	100.00 n
HxCB-169	333850000	1.27 y	37:06	1.0138	200.00 n
13C-HpCB-180	138296100	1.06 y	35:49	0.5538	100.00 n
HpCB-180	345005000	1.10 y	35:50	1.2473	200.00 n
13C-HpCB-170	113146600	1.05 y	37:28	0.4531	100.00 n
HpCB-170/190	352545000	1.09 y	37:29	1.5579	200.00 n
13C-HpCB-189	136856900	1.04 y	39:07	0.5480	100.00 n
HpCB-189	333672000	1.09 y	39:08	1.2191	200.00 n
13C-PeCB-111	303933000	0.65 y	26:50	1.3892	100.00 n

Run #5    Filename 15JA09D9D5    S: 5    I: 1  
 Acquired: 15-JAN-09    23:50:45    Processed: 16-JAN-09    15:08:42  
 Run: 1668MSL0115 Analyte: 1668MSL    Cal: 1668MSL0115099D5  
 Comments:

Sample text: ST0115D :CS5 09DXN018

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	269657000	0.66 y	25:22	-	100.00	n
13C-TCB-81	266360000	0.78 y	26:58	0.9878	100.00	n
TCB-81	1683380000	0.75 y	26:59	1.2640	500.00	n
13C-TCB-77	270360000	0.78 y	27:32	1.0026	100.00	n
TCB-77	1568248000	0.76 y	27:34	1.1601	500.00	n
13C-PeCB-123	246305200	0.67 y	28:52	0.9134	100.00	n
PeCB-123	1812283000	0.59 y	28:53	1.4716	500.00	n
13C-PeCB-118	274268000	0.66 y	29:01	1.0171	100.00	n
PeCB-118/106	2052633000	0.60 y	29:02	1.4968	500.00	n
13C-PeCB-114	274985000	0.66 y	29:40	1.0198	100.00	n
PeCB-114	2107813000	0.59 y	29:41	1.5330	500.00	n
13C-PeCB-105	253776000	0.66 y	30:33	0.9411	100.00	n
PeCB-105/127	1763571000	0.59 y	30:34	1.3899	500.00	n
13C-PeCB-126	267077000	0.65 y	32:28	0.9904	100.00	n
PeCB-126	1593533000	0.59 y	32:30	1.1933	500.00	n
13C-OcCB-202	287841000	0.87 y	34:42	-	100.00	n
13C-HxCB-167	259291000	1.26 y	33:33	0.9008	100.00	n
HxCB-167	1459083000	1.28 y	33:34	1.1254	500.00	y
13C-HxCB-156	208239300	1.29 y	34:52	0.7235	100.00	n
HxCB-156	1478482000	1.28 y	34:53	1.4200	500.00	n
13C-HxCB-157	218180700	1.26 y	35:11	0.7580	100.00	n
HxCB-157	1543594000	1.27 y	35:12	1.4150	500.00	n
13C-HxCB-169	236681000	1.26 y	37:03	0.8223	100.00	n
HxCB-169	1200567000	1.27 y	37:04	1.0145	500.00	n
13C-HpCB-180	175051700	1.04 y	35:48	0.6082	100.00	n
HpCB-180	1077386000	1.09 y	35:49	1.2309	500.00	n
13C-HpCB-170	145642800	1.05 y	37:28	0.5060	100.00	n
HpCB-170/190	1124352000	1.08 y	37:29	1.5440	500.00	n
13C-HpCB-189	189236300	1.05 y	39:06	0.6574	100.00	n
HpCB-189	1158078000	1.09 y	39:07	1.2239	500.00	n
13C-PeCB-111	333490000	0.65 y	26:50	1.2667	100.00	n

Run: 15JTA09D9D5 Analyte: USGSPCBS Cal: USGSPCBS0115099D5

ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JTA09D9D515JTA09D9D515JTA09D9D515JTA09D9D515JTA09D9D515JTA09D9D5

Name	Mean	S. D.	%RD	S1	S2	S3	S4	S5
13C-MOCB-3	0.923	0.058	6.34 %	0.99	0.93	0.91	0.96	0.83
MOCB-1	-	-	- %	-	-	-	-	-
*MOCB-3	-	-	- %	-	-	-	-	-
Total MOCB	-	-	- %	-	-	-	-	-
13C-DICB-15	1.432	0.034	2.40 %	1.44	1.40	1.40	1.48	1.45
DICB-10/4	-	-	- %	-	-	-	-	-
DICB-8/5	1.103	0.055	4.98 %	1.15	1.15	1.13	1.05	1.03
*DICB-15	1.592	0.042	2.66 %	1.60	1.59	1.66	1.55	1.56
Total DICB	-	-	- %	-	-	-	-	-
13C-TRCB-28	1.080	0.026	2.36 %	1.07	1.09	1.09	1.04	1.11
TRCB-30	-	-	- %	-	-	-	-	-
TRCB-18	1.420	0.060	4.25 %	1.44	1.41	1.36	1.51	1.37
Total F1 TRCB	-	-	- %	-	-	-	-	-
*TRCB-31	1.110	0.028	2.56 %	1.07	1.10	1.11	1.15	1.11
*TRCB-28	1.285	0.108	8.43 %	1.42	1.36	1.29	1.20	1.16
TRCB-37	-	-	- %	-	-	-	-	-
Total F2 TRCB	-	-	- %	-	-	-	-	-
13C-TRCB-52	-	-	- %	-	-	-	-	-
13C-TRCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TRCB-54	-	-	- %	-	-	-	-	-
TRCB-52/73	-	-	- %	-	-	-	-	-
TRCB-47/75/48	-	-	- %	-	-	-	-	-
TRCB-44	-	-	- %	-	-	-	-	-
Total F2 TRCB	-	-	- %	-	-	-	-	-
13C-TRCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TRCB-66/80	-	-	- %	-	-	-	-	-
TRCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
TRCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
Total F3 TRCB	-	-	- %	-	-	-	-	-

13C-PeCB-101	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-PeCB-123	0.871	0.034	3.96	%	0.83	0.90	0.87	0.84	0.91	-	-	-	-	-	-	-	-	-	-
PeCB-104	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total F2 PeCB	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PeCB-101/89/90	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PeCB-123	1.509	0.042	2.75	%	1.53	1.56	1.51	1.47	1.47	-	-	-	-	-	-	-	-	-	-
13C-PeCB-118	0.985	0.021	2.17	%	0.97	0.98	0.99	0.96	1.02	-	-	-	-	-	-	-	-	-	-
PeCB-118/106	1.528	0.032	2.09	%	1.53	1.57	1.55	1.50	1.50	-	-	-	-	-	-	-	-	-	-
13C-PeCB-114	0.966	0.032	3.34	%	0.95	0.96	0.96	0.93	1.02	-	-	-	-	-	-	-	-	-	-
PeCB-114	1.585	0.060	3.78	%	1.63	1.66	1.58	1.52	1.53	-	-	-	-	-	-	-	-	-	-
13C-PeCB-105	0.897	0.027	3.04	%	0.88	0.91	0.88	0.87	0.94	-	-	-	-	-	-	-	-	-	-
PeCB-105/127	1.422	0.044	3.07	%	1.43	1.49	1.43	1.38	1.39	-	-	-	-	-	-	-	-	-	-
13C-PeCB-126	0.912	0.057	6.22	%	0.88	0.95	0.88	0.86	0.99	-	-	-	-	-	-	-	-	-	-
PeCB-126	1.173	0.024	2.05	%	1.16	1.15	1.20	1.16	1.19	-	-	-	-	-	-	-	-	-	-
Total F3 PeCB	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-OCCB-202	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69	%	0.80	0.85	0.84	0.81	0.90	-	-	-	-	-	-	-	-	-	-
HxCB-155	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HxCB-153	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HxCB-137	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HxCB-138/163/164	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total F3 HxCB	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HxCB-128	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HxCB-167	1.140	0.099	8.65	%	1.11	1.19	1.01	1.27	1.13	-	-	-	-	-	-	-	-	-	-
13C-HxCB-156	0.670	0.035	5.27	%	0.63	0.68	0.67	0.65	0.72	-	-	-	-	-	-	-	-	-	-
HxCB-156	1.452	0.027	1.83	%	1.48	1.47	1.46	1.43	1.42	-	-	-	-	-	-	-	-	-	-
13C-HxCB-157	0.707	0.037	5.24	%	0.68	0.73	0.71	0.67	0.76	-	-	-	-	-	-	-	-	-	-
HxCB-157	1.446	0.022	1.50	%	1.47	1.46	1.45	1.43	1.41	-	-	-	-	-	-	-	-	-	-
13C-HxCB-169	0.822	-	-	%	*	*	*	*	0.82	-	-	-	-	-	-	-	-	-	-
HxCB-169	1.015	-	-	%	*	*	*	*	1.01	-	-	-	-	-	-	-	-	-	-
Total F4 HxCB	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-HpCB-180	0.585	0.020	3.35	%	0.58	0.59	0.59	0.55	0.61	-	-	-	-	-	-	-	-	-	-
HpCB-188	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HpCB-187/182	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total F3 HpCB	-	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HpCB-180	1.265	0.049	3.90	%	1.23	1.35	1.27	1.25	1.23	-	-	-	-	-	-	-	-	-	-
13C-HpCB-170	0.474	0.021	4.37	%	0.46	0.48	0.48	0.45	0.51	-	-	-	-	-	-	-	-	-	-
HpCB-170/190	1.606	0.066	4.08	%	1.70	1.64	1.59	1.56	1.54	-	-	-	-	-	-	-	-	-	-
13C-HpCB-189	0.599	0.043	7.22	%	0.58	0.63	0.58	0.55	0.66	-	-	-	-	-	-	-	-	-	-
HpCB-189	1.206	0.061	5.08	%	1.10	1.24	1.25	1.22	1.22	-	-	-	-	-	-	-	-	-	-

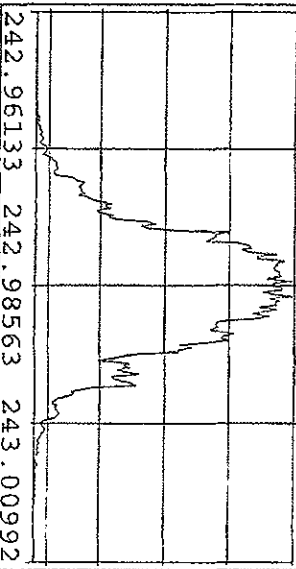
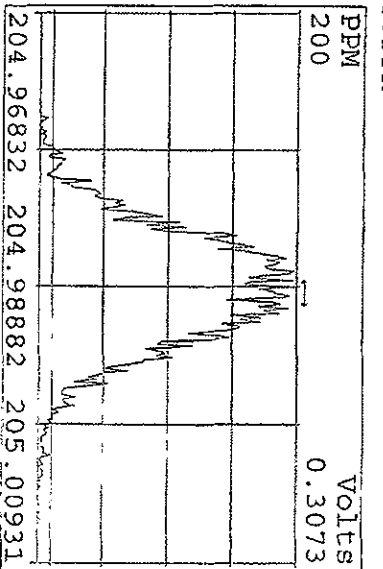
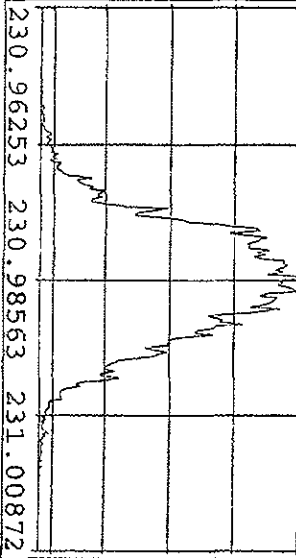
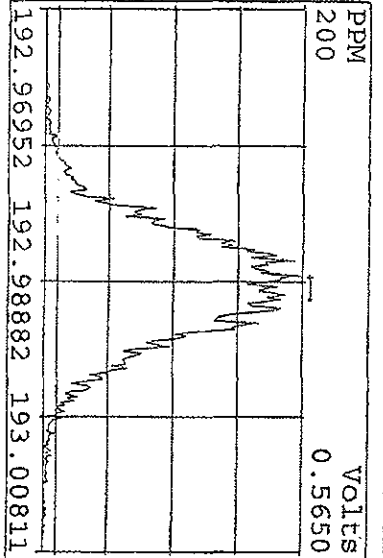
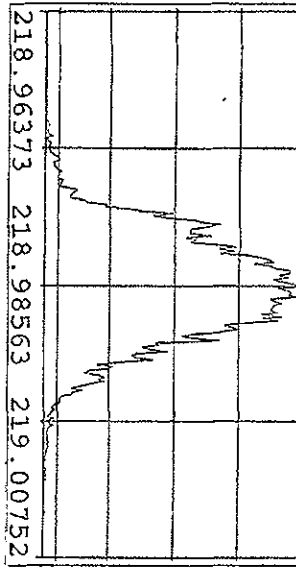
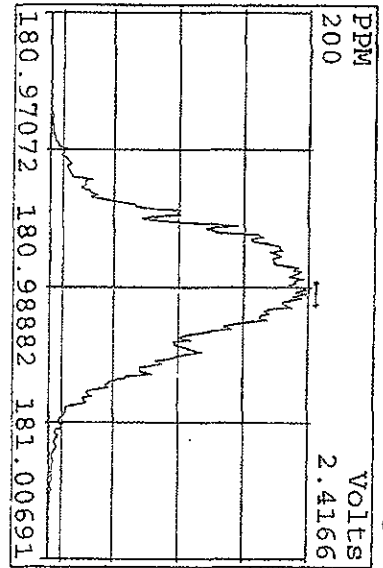
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13C-OCB-194	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCB-202	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total P4 OCB	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCB-195	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*OCB-194	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total P5 OCB	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-NOCB-208	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*NOCB-208	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOCB-206	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total P5 NOCB	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-DecB-209	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*DecB-209	-	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13C-MOCB-1	1.951	0.204	10.5 %	1.77	1.88	1.85	1.96	2.29											
13C-DICB-4	0.926	0.056	6.09 %	0.89	0.89	0.88	0.98	1.00											
13C-TRCB-19	1.031	0.139	13.5 %	0.96	0.94	0.90	1.24	1.11											
13C-TECB-54	1.722	0.127	7.35 %	1.67	1.59	1.65	1.91	1.79											
13C-PECB-111	1.417	0.069	4.88 %	1.47	1.41	1.44	1.46	1.30											
13C-HXCB-138	-	-	- %	-	-	-	-	-											

.ta file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
15JA09D9D5	1	ST0115	CS1 09DXN014				1.00000	
15JA09D9D5	2	ST0115A	CS2 09DXN015				1.00000	
15JA09D9D5	3	ST0115B	CS3 09DXN016				1.00000	
15JA09D9D5	4	ST0115C	CS4 09DXN017				1.00000	
15JA09D9D5	5	ST0115D	CS5 09DXN018				1.00000	
15JA09D9D5	6	SB0115	Solvent Blank C-12				1.00000	
15JA09D9D5	7	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	8	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	9	SB0115A	Solvent Blank C-12				1.00000	
15JA09D9D5	10	K5GRX-1-AC	G9A060000-171C	20	1668/WATER	51	1.00000	L
15JA09D9D5	11	QC09DXN057	Daily IS 09DXN057	20	1668	QC49	1.00000	
15JA09D9D5	12	K44WC-1-AC	G8L210000-51C	20	1668A/SOLID	42	10.00000	g
15JA09D9D5	13	K44WC-1-AA	G8L210000-51B	20	1668A/SOLID		10.00000	g
15JA09D9D5	14	K31R7-1-AA	D8L030334-1 (20X)	20	1668A/SOLID		10.19000	g
15JA09D9D5	15	K31R7-1-AD	D8L030334-1S (20X)	20	1668A/SOLID		10.01000	g
15JA09D9D5	16	SB0115B	Solvent Blank C-12				1.00000	
15JA09D9D5	17	K4047-1-AH	G8L180296-2	20	1668/SOLID	43	10.32500	g
15JA09D9D5	18	K4047-1-AH	G8L180296-2 RI	20	1668/SOLID	43	10.22500	g
15JA09D9D5	19	K4048-1-AH	G8L180296-3	20	1668/SOLID		10.35400	g
15JA09D9D5	20	K4049-1-AH	G8L180296-4	20	1668/SOLID		10.17000	g
15JA09D9D5	21	K405A-1-AH	G8L180296-5	20	1668/SOLID		10.25250	g
15JA09D9D5	22	K405E-1-AH	G8L180296-7	20	1668/SOLID		10.13000	g
15JA09D9D5	23	SB0115C	Solvent Blank C-12				1.00000	
15JA09D9D5	24	ST0115H	CS3 09DXN016				1.00000	
15JA09D9D5	25	ST0115G	209PCB 3249-47				1.00000	
15JA09D9D5	26	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	27	K4047-1-AH	G8L180296-2 (10X)	20	1668/SOLID	43	10.32500	g
15JA09D9D5	28	K4048-1-AH	G8L180296-3 (10X)	20	1668/SOLID		10.35400	g
15JA09D9D5	29	K4049-1-AH	G8L180296-4 (10X)	20	1668/SOLID		10.17000	g
15JA09D9D5	30	K405A-1-AH	G8L180296-5 (10X)	20	1668/SOLID		10.25250	g
15JA09D9D5	31	K405E-1-AH	G8L180296-7 (10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	32	K405H-1-AH	G8L180296-9 (10X)	20	1668/SOLID		10.15000	g
15JA09D9D5	33	K405H-1-AJ	G8L180296-9S (10X)	20	1668/SOLID		10.12000	g
15JA09D9D5	34	K405H-1-AK	G8L180296-9D (10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	35	K405K-1-AH	G8L180296-10 (10X)	20	1668/SOLID		10.02000	g
15JA09D9D5	36	K4046-1-AA	G8L180296-1	20	1668/SOLID		0.98080	L
15JA09D9D5	37	K405D-1-AA	G8L180296-6	20	1668/SOLID		0.97690	L
15JA09D9D5	38	K405G-1-AA	G8L180296-8	20	1668/SOLID		0.94740	L
15JA09D9D5	39	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	40	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g
15JA09D9D5	41	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	42	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	43	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	44	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	45	K4584-1-AA	G8L22000-581MB	20	1668/SOLID		1.00000	L
15JA09D9D5	46	K4584-1-AC	G8L22000-581LCS	20	1668/SOLID		1.00000	L
15JA09D9D5	47	????????	G8L050343-1	20	1668/SOLID		10.00000	
15JA09D9D5	48	K4585-1-AA	G8L220000-582MB	20	1668A/SOLID		10.00000	g
15JA09D9D5	49	K4585-1-AC	G8L220000-582LCS	20	1668A/SOLID		10.00000	g
15JA09D9D5	50	K31R7-1-AE	D8L030334-1D (20X)	20	1668/SOLID		10.28000	g
15JA09D9D5	51	K31TA-1-AA	D8L030334-2 (20X)	20	1668/SOLID		10.08000	g
15JA09D9D5	52	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	53	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g

15JA09D9D5	54	SB0115E	Solvent Blank C-12	1.00000
15JA09D9D5	55			1.00000
15JA09D9D5	56			1.00000
15JA09D9D5	57			1.00000
15JA09D9D5	58			1.00000
15JA09D9D5	59			1.00000
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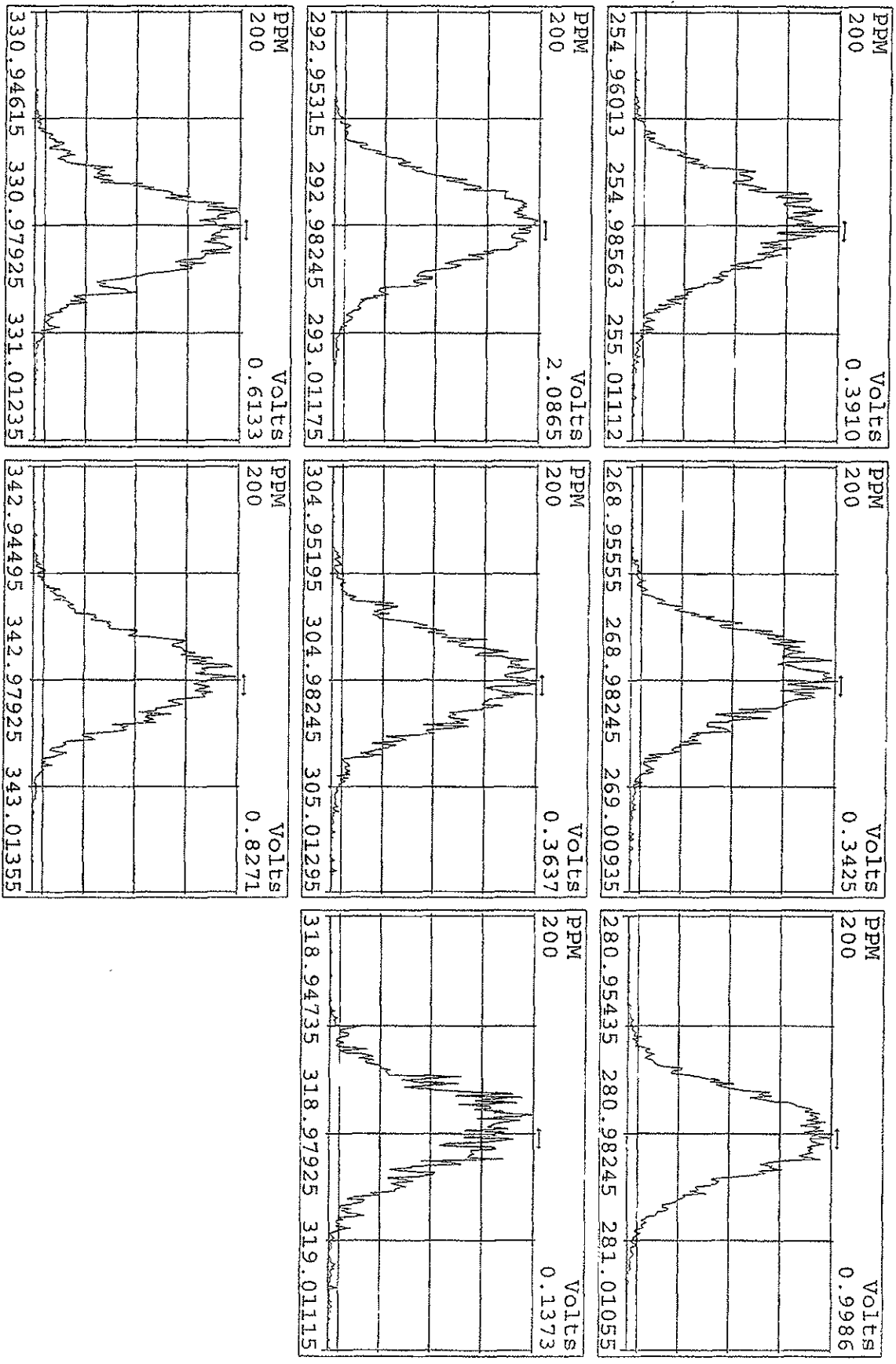
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1-16-09 am

Peak Locate Examination: 15-JAN-2009: 20:20 File: 15JA09D9D5  
 Experiment: 209DB5 Function: 1 Reference: PRK

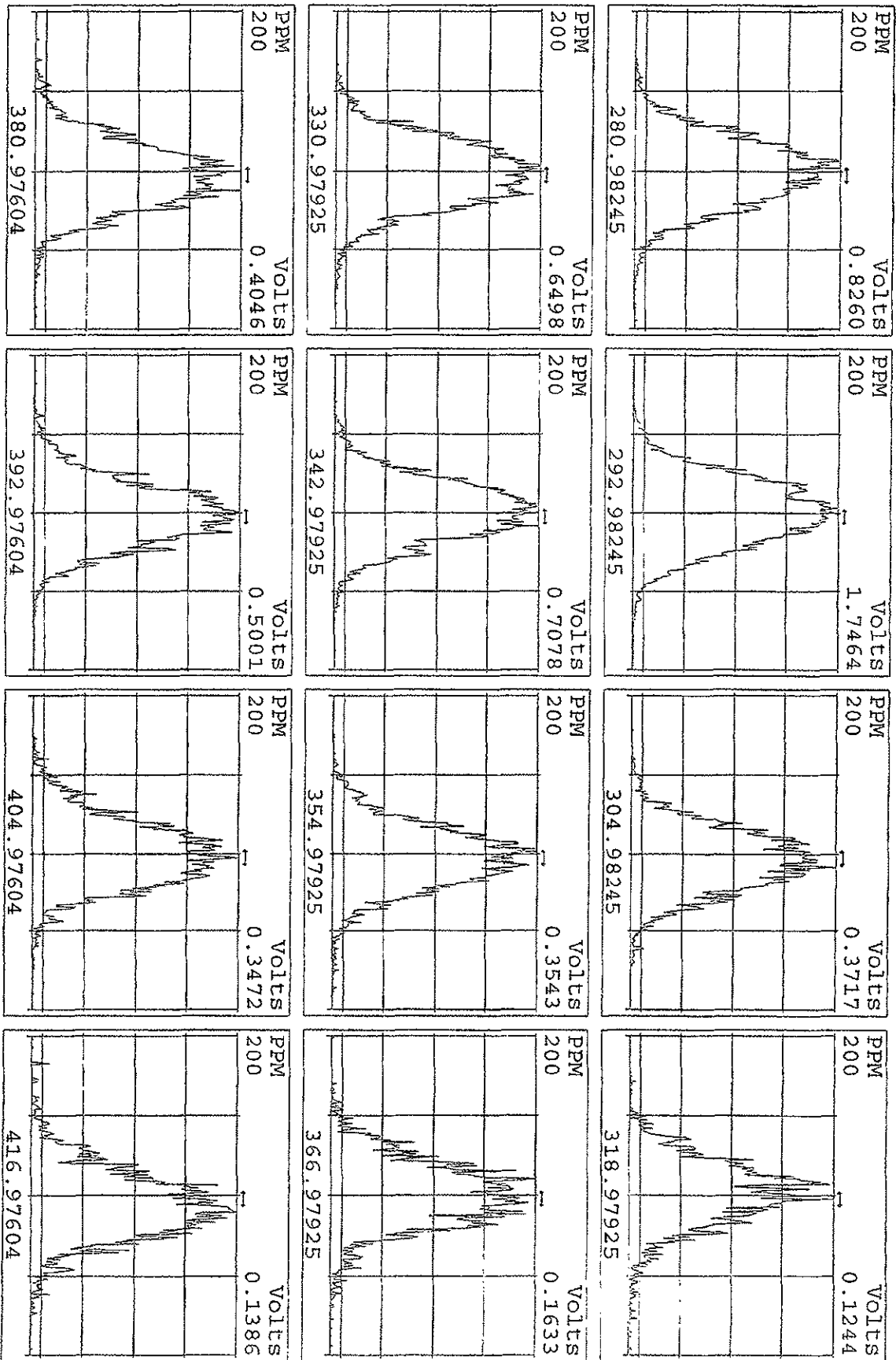




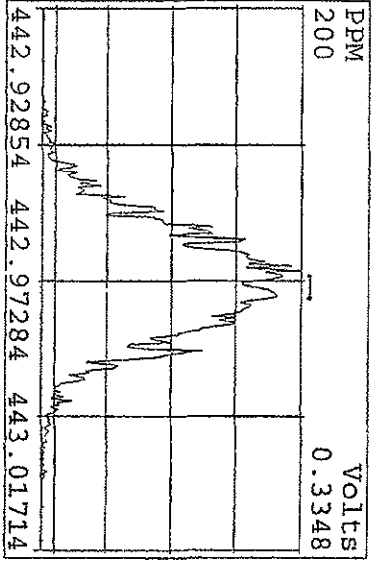
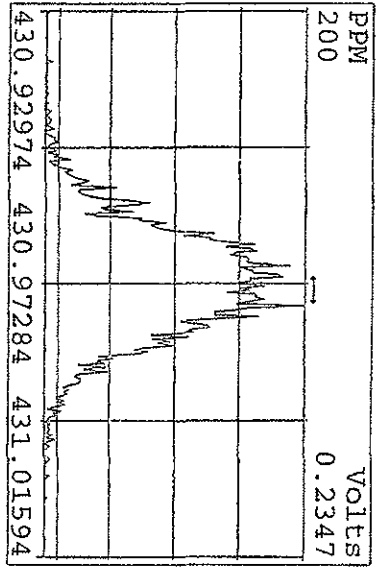
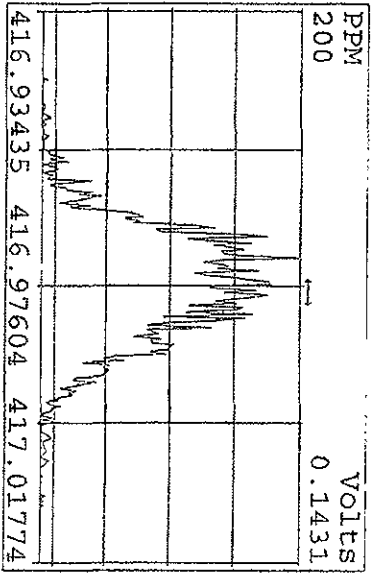
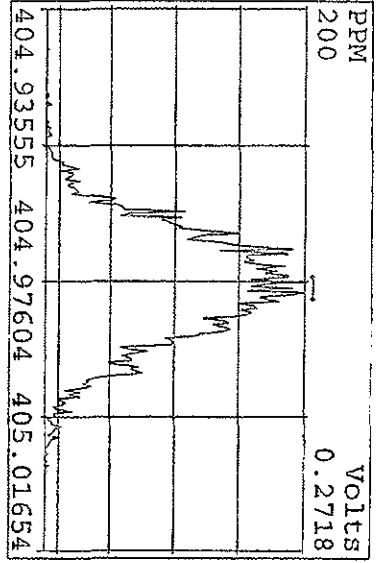
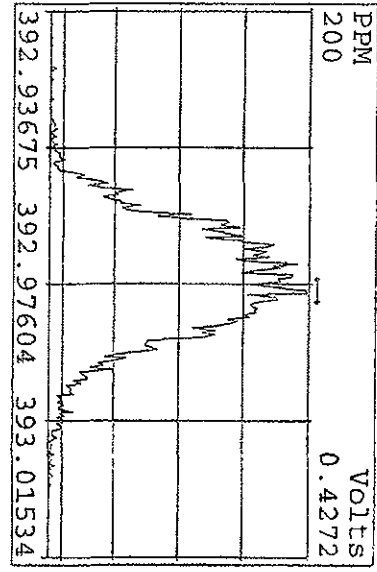
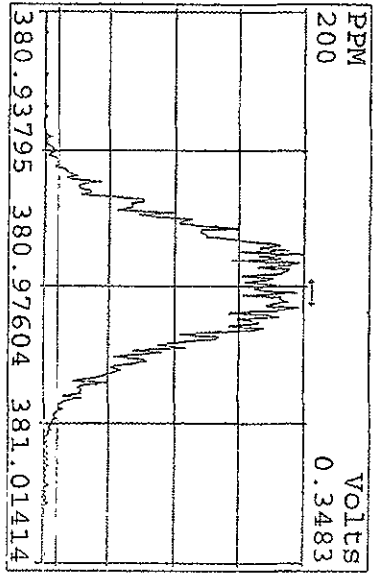
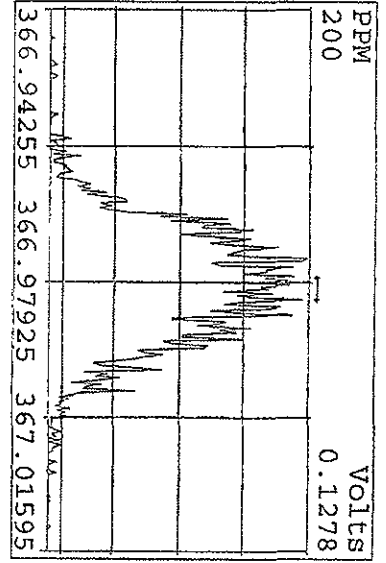
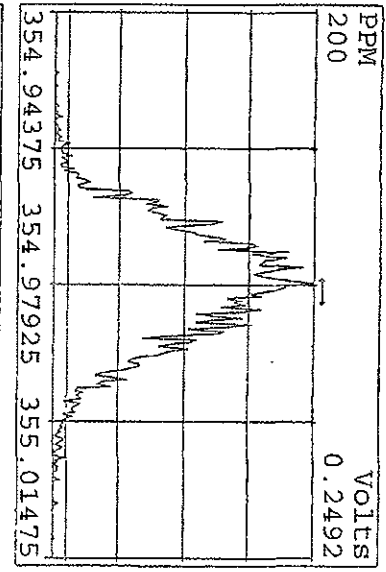
Peak Locate Examination:15-JAN-2009:20:21 File:15JA09D9D5  
 Experiment:209DB5 Function:2 Reference:PFK



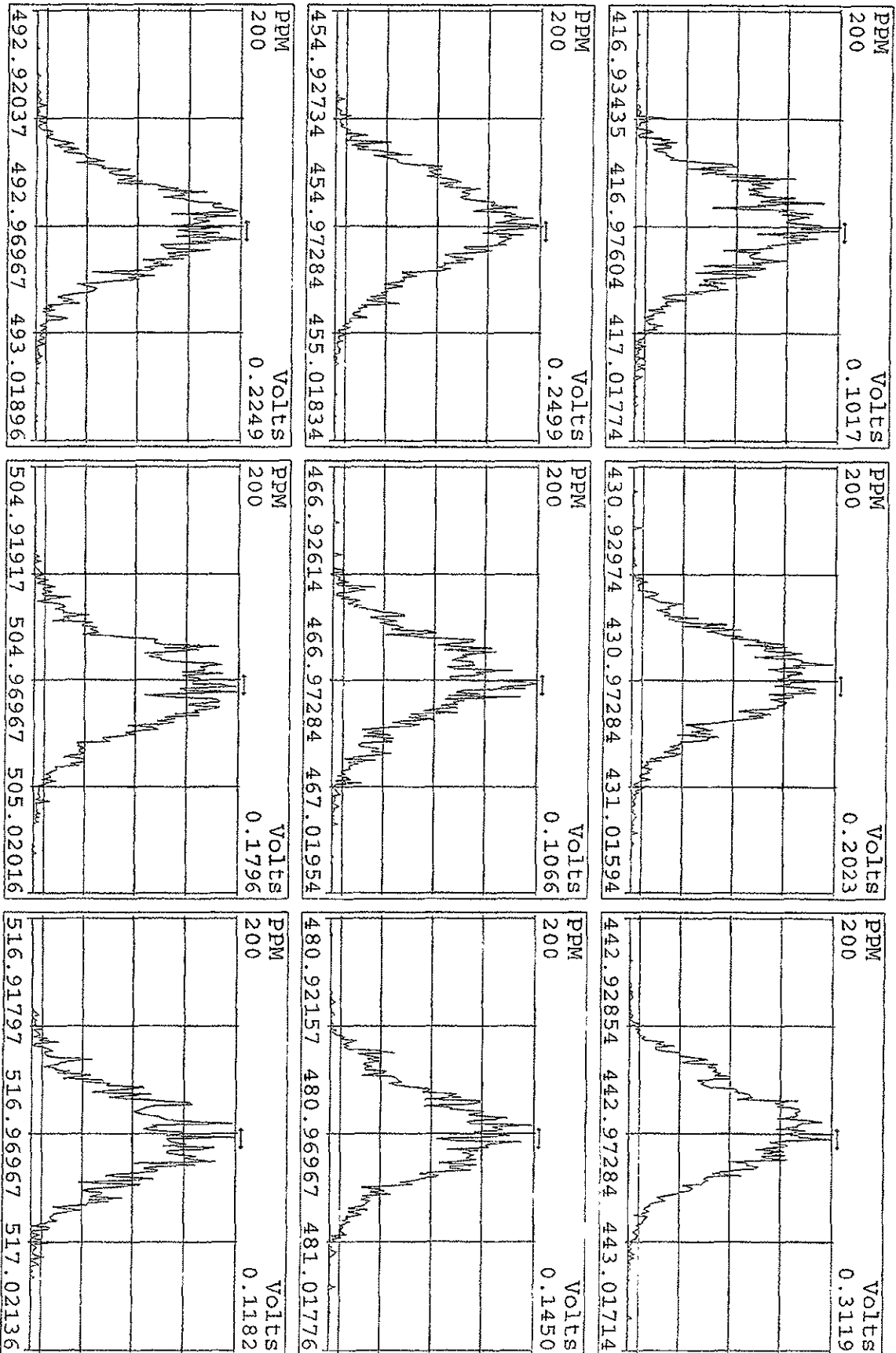
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Experiment: 209DB5 Function: 3 Reference: PRK



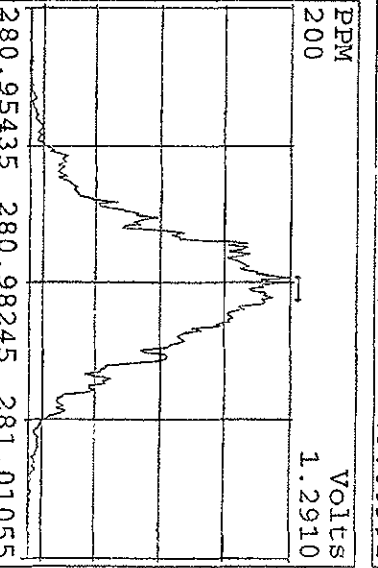
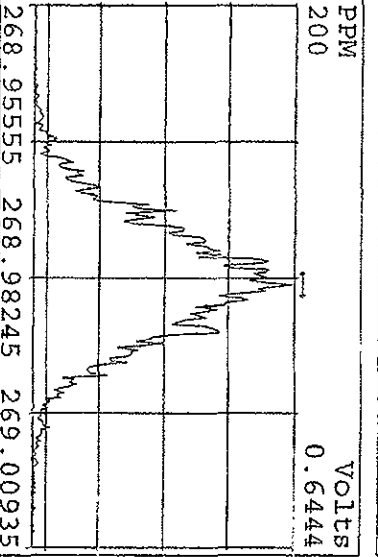
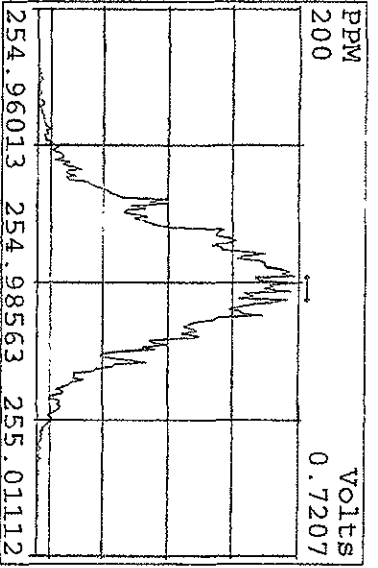
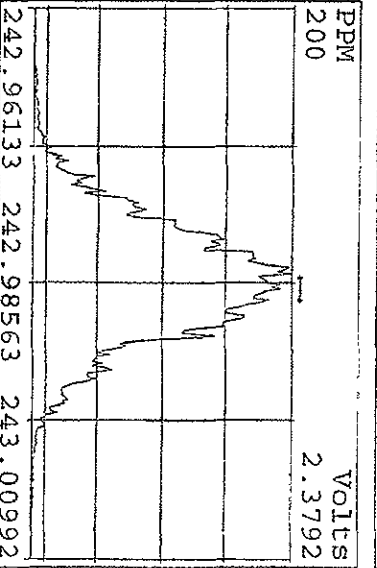
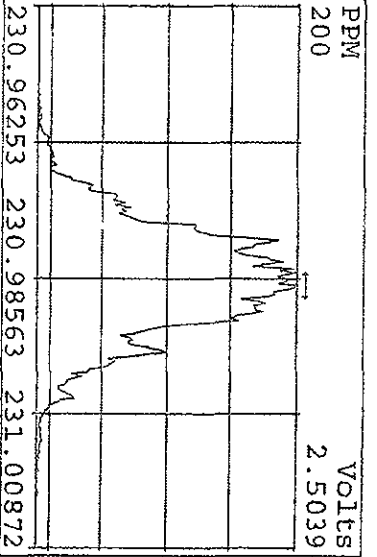
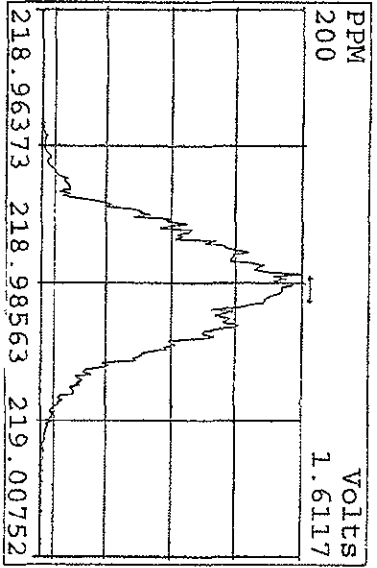
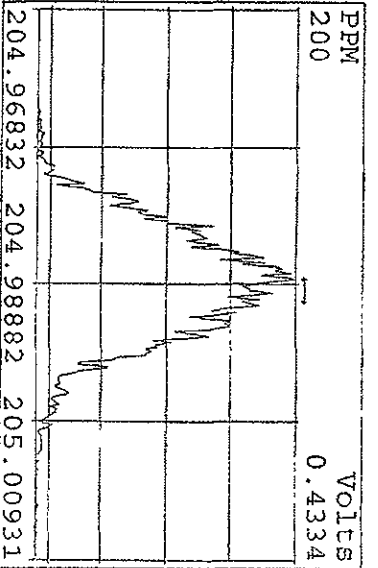
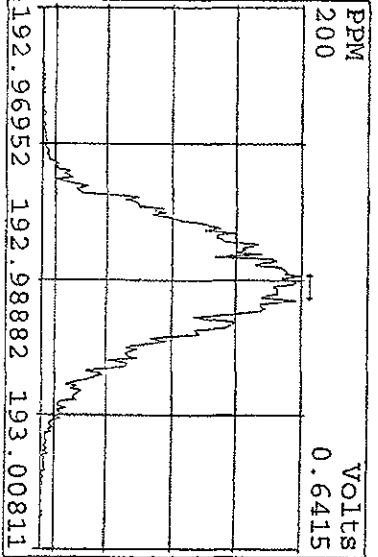
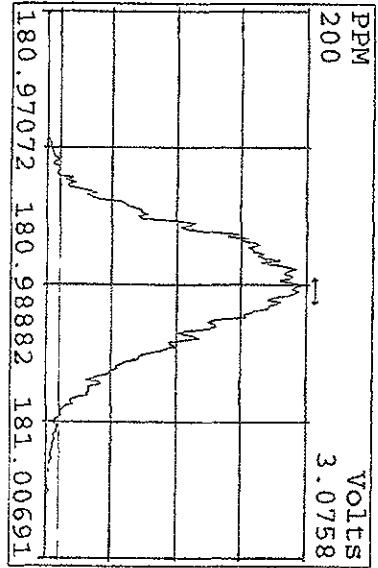
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 Experiment: 209DB5 Function: 4 Reference: PFK



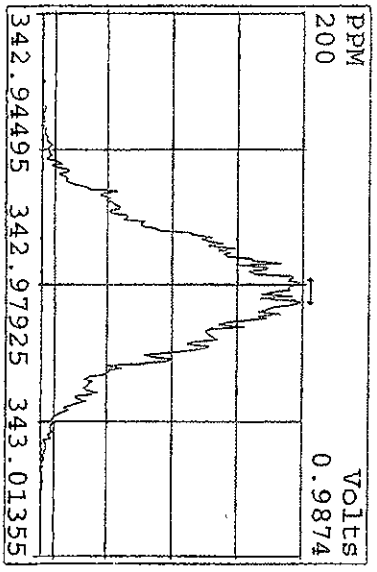
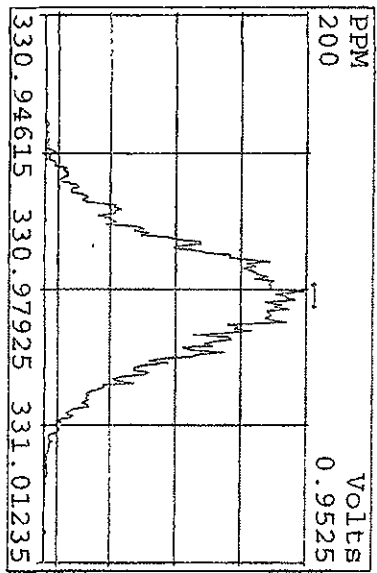
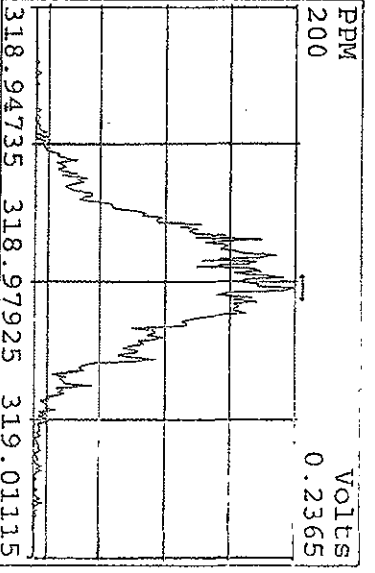
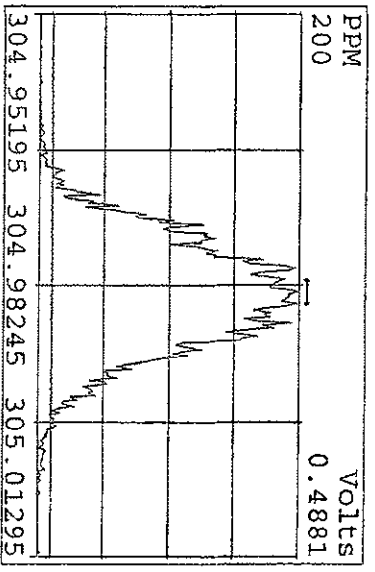
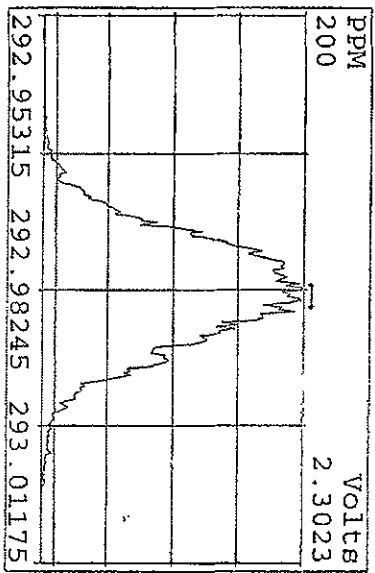
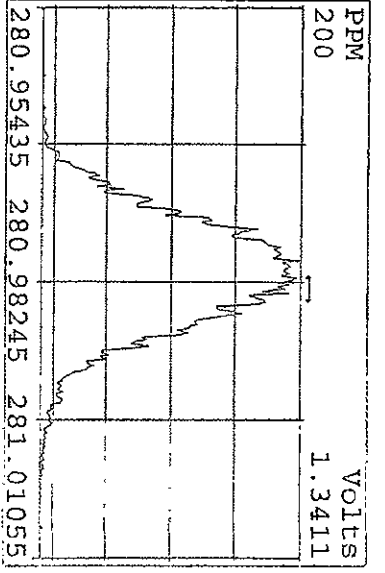
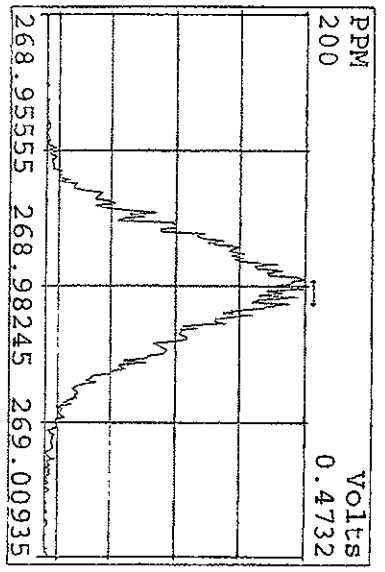
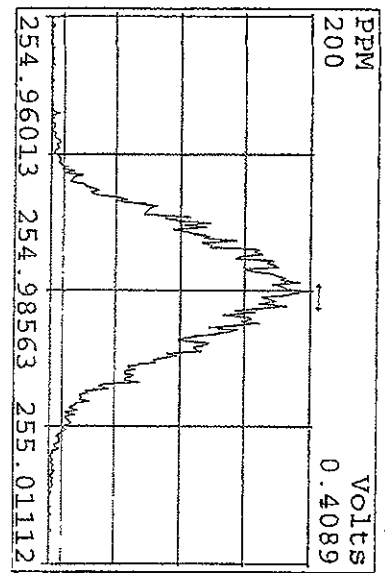
Peak Locate Examination:15-JAN-2009:20:23 File:15JA09PD9D5  
 Experiment:209DB5 Function:5 Reference:PRK



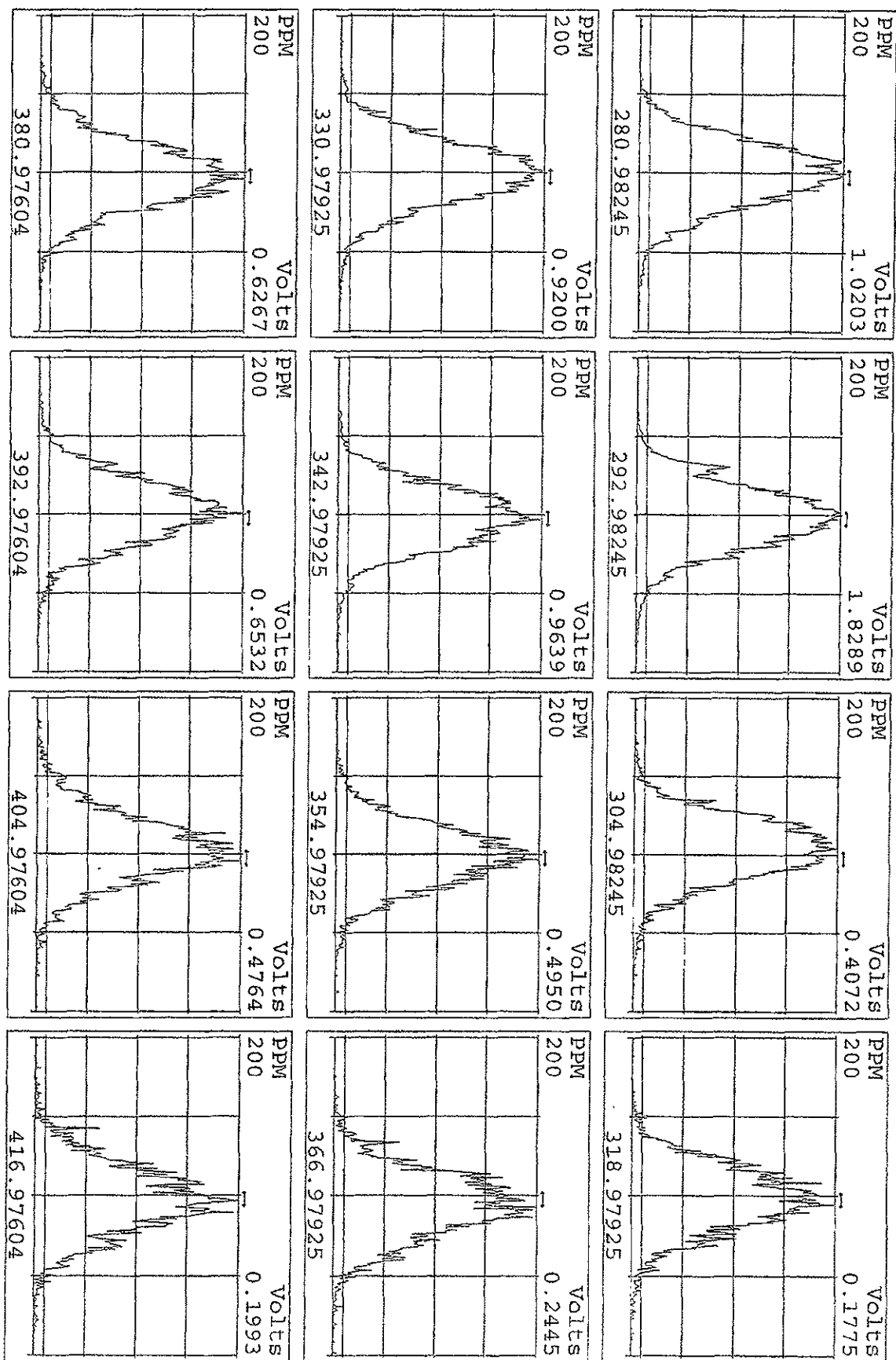
Peak Locate Examination: 16-JAN-2009:18:46 File: RESCHK15JA09D9D5  
 Experiment: 209DB5 Function: 1 Reference: PFK



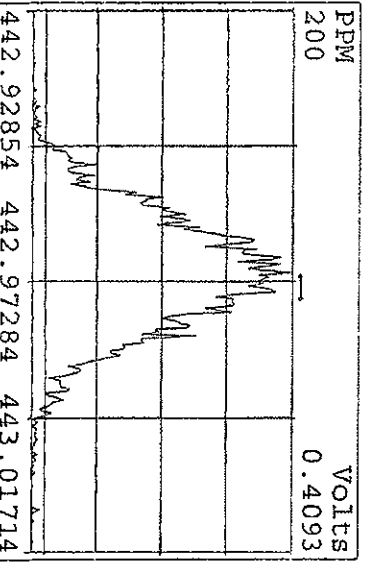
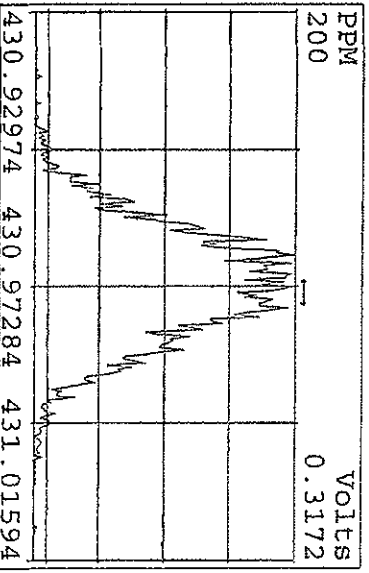
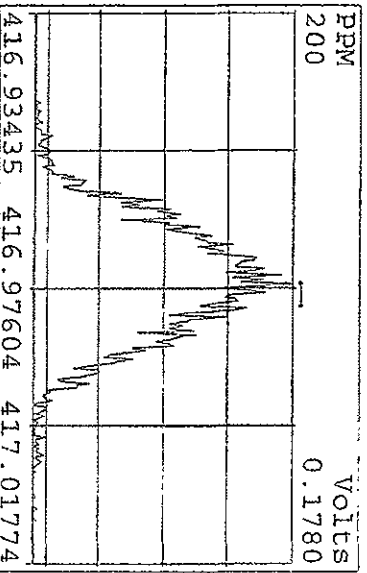
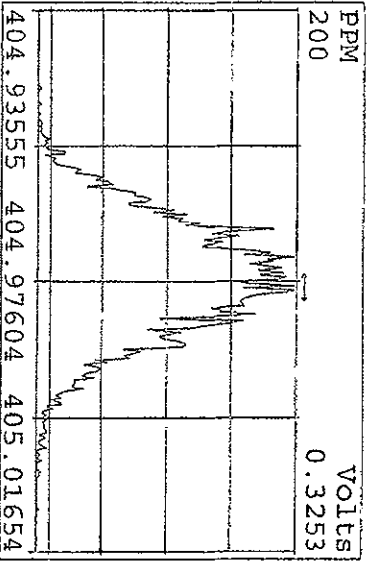
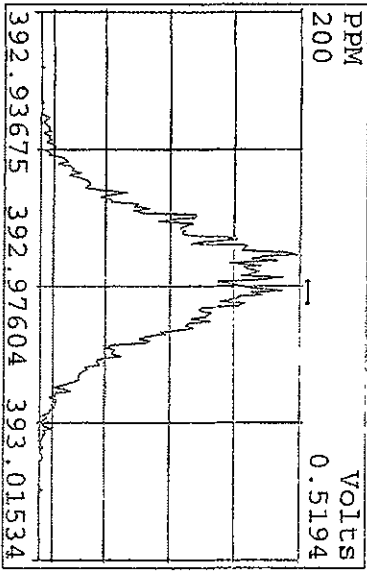
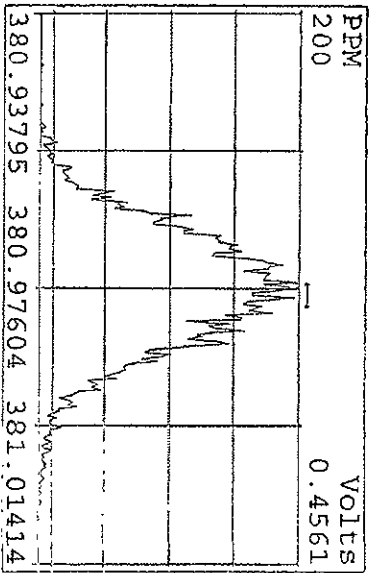
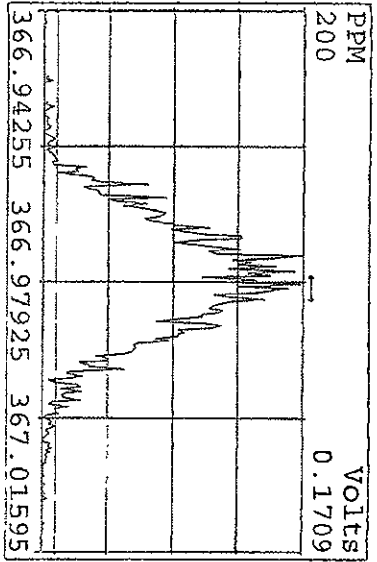
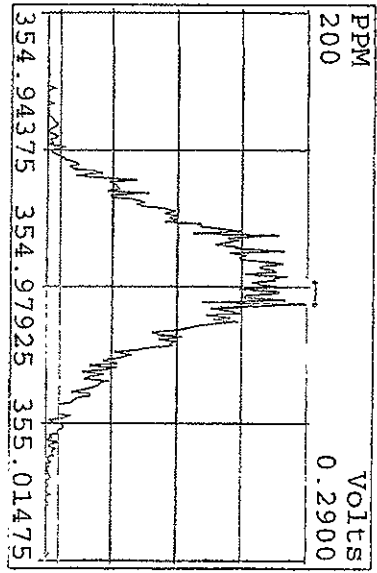
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 Experiment: 209DB5 Function: 2 Reference: PFX



Peak Locate Examination:16-JAN-2009:18:48 File:RESCHK15JA09D9D5  
 Experiment:209DB5 Function:3 Reference:PFK

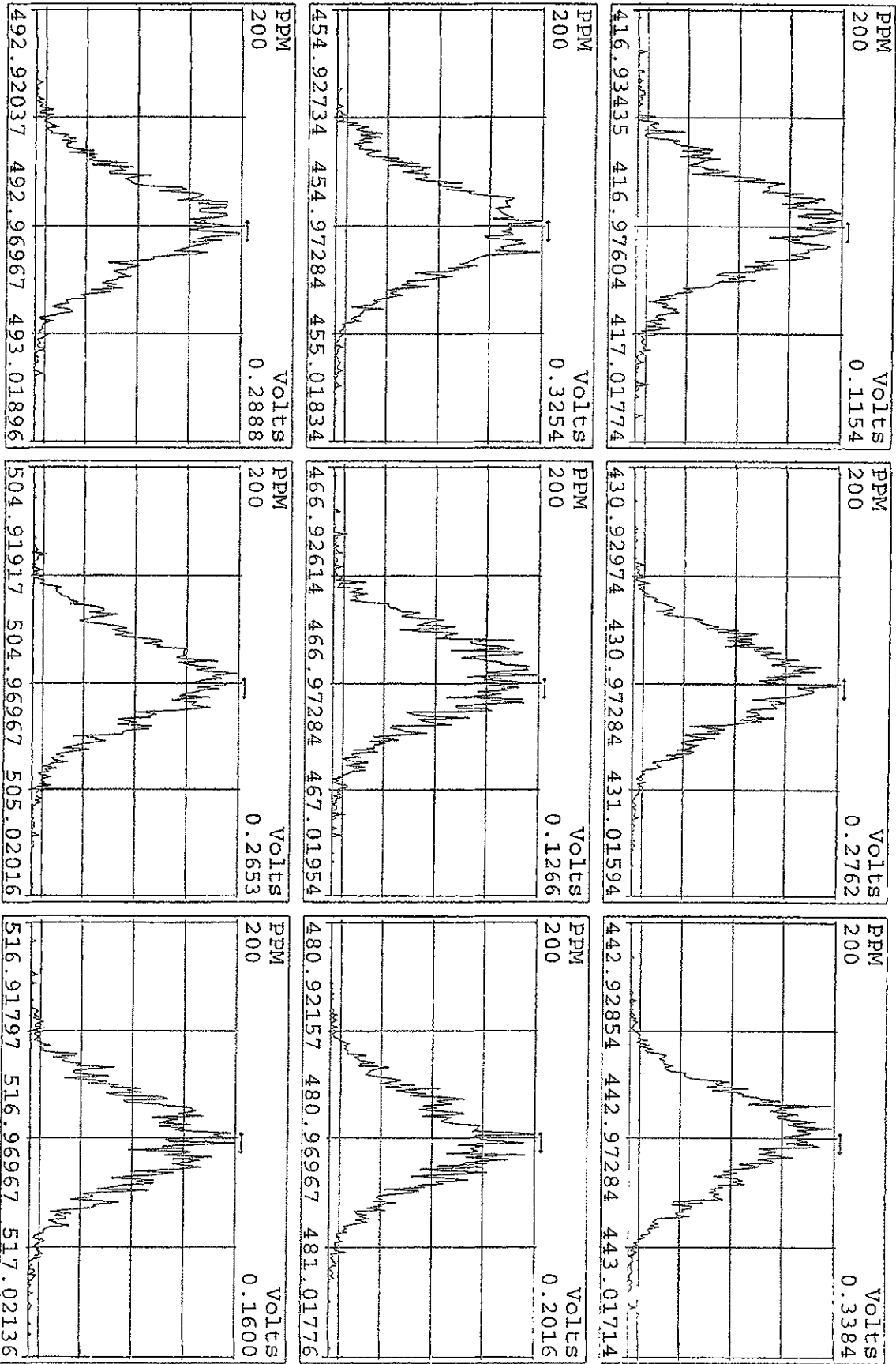


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 Experiment: 209DB5 Function: 4 Reference: PFK

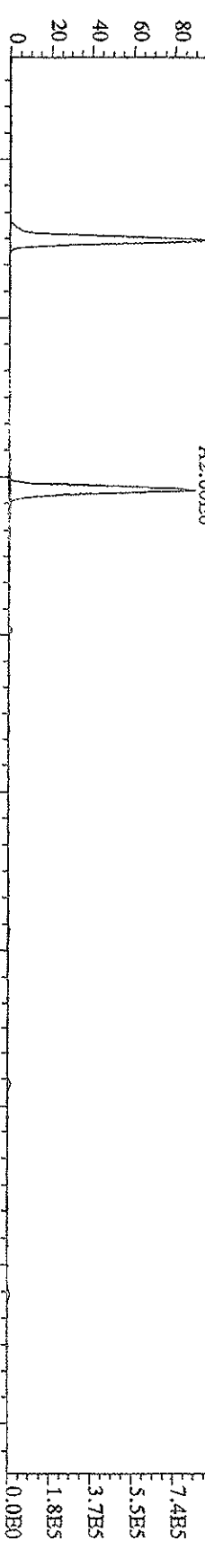




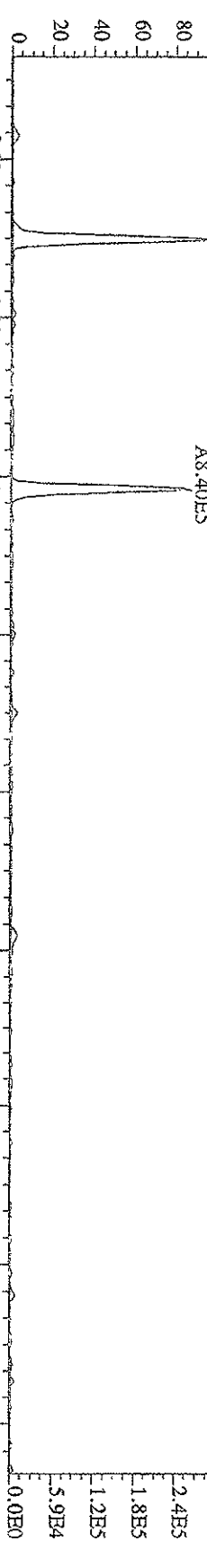
Peak Locate Examination: 16-JAN-2009: 18:49 File: RESCHK15JA09D9DS  
 Experiment: 209DB5 Function: 5 Reference: PFK



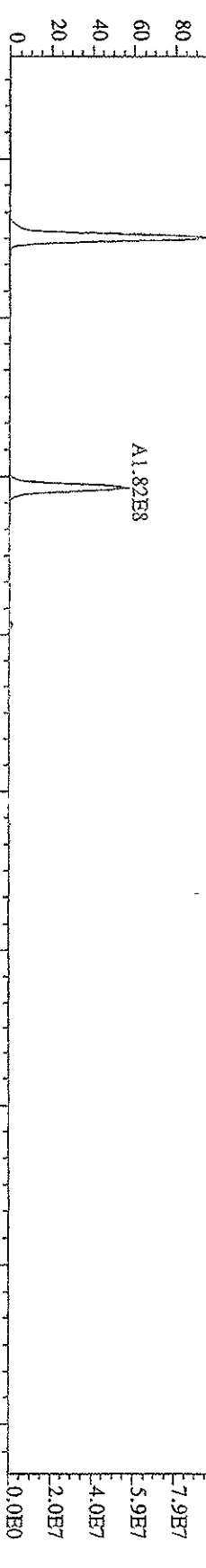
File:151A09D9D5 #1-608 Acq:15 JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 188.0393 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,3576,0.0,0.00%,F,T)  
 A2.94E6



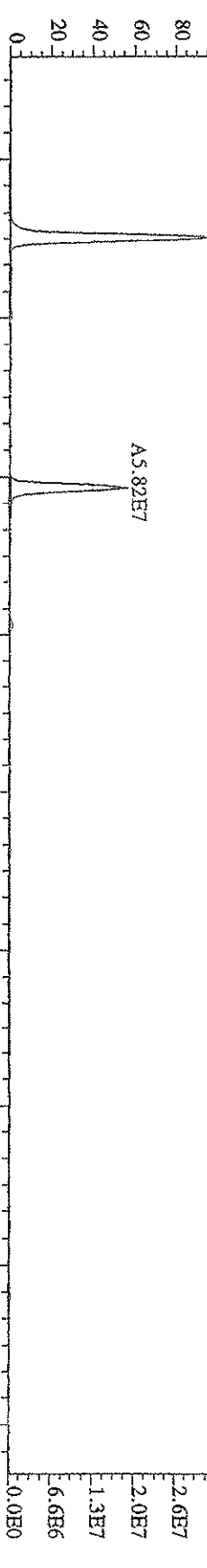
190.0363 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1812,0,0,0.00%,F,T)  
 A9.58E5



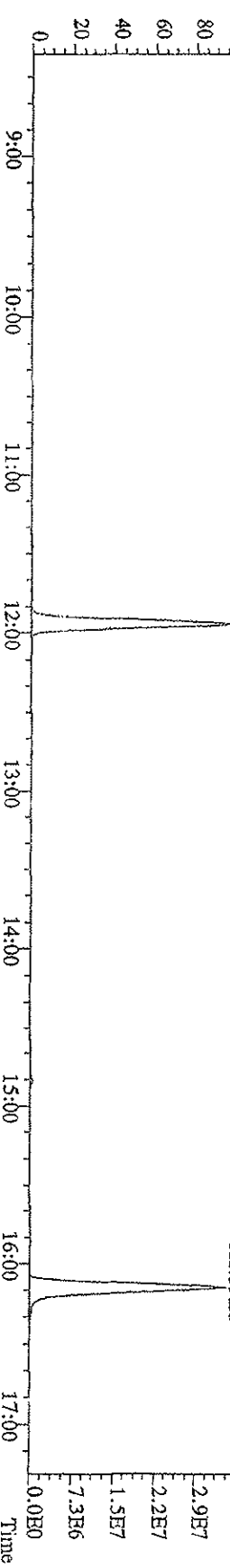
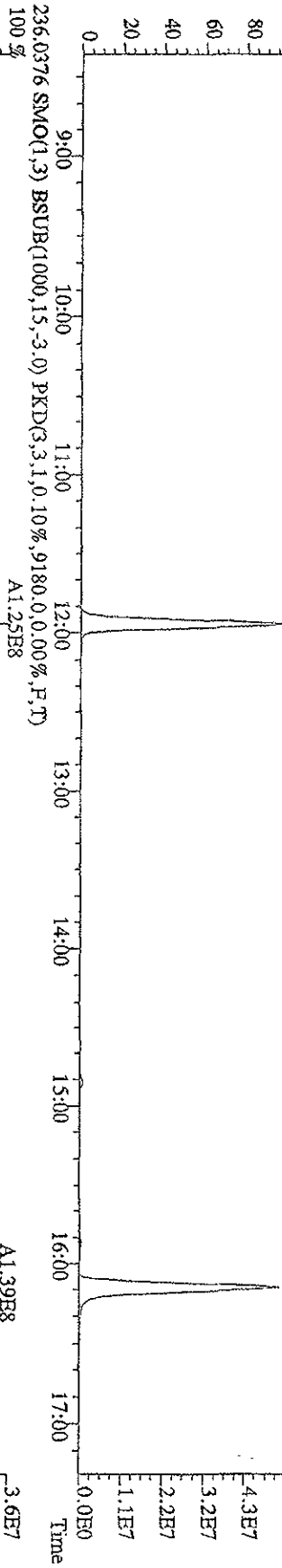
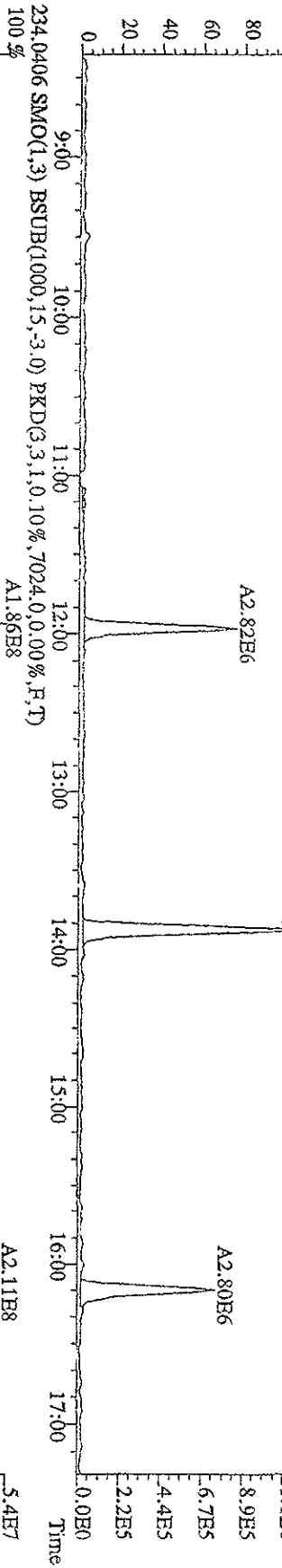
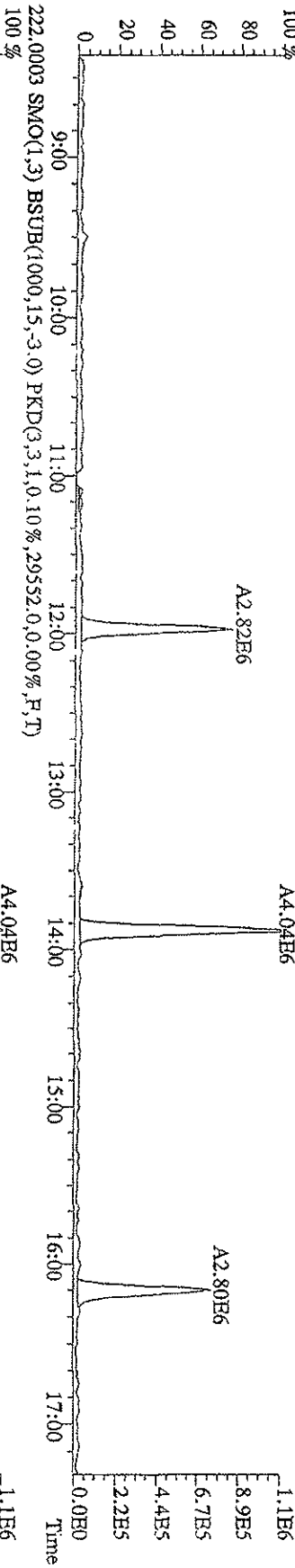
200.0795 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,13612,0,0,0.00%,F,T)  
 A3.19E8



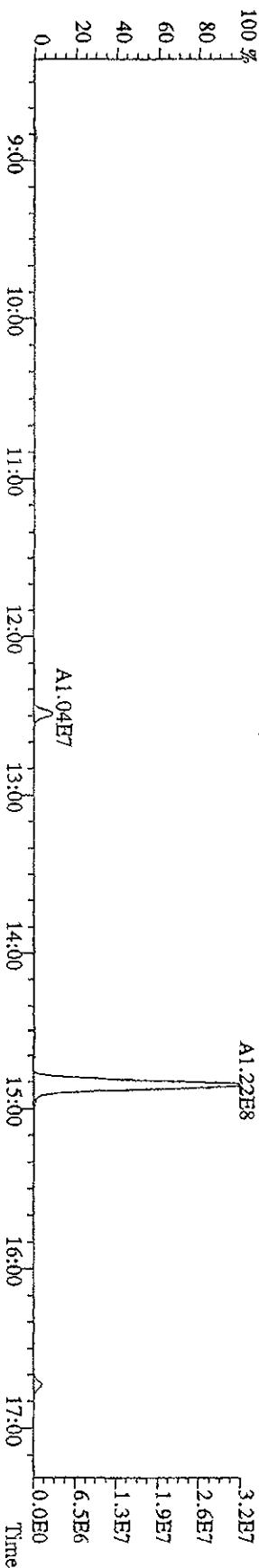
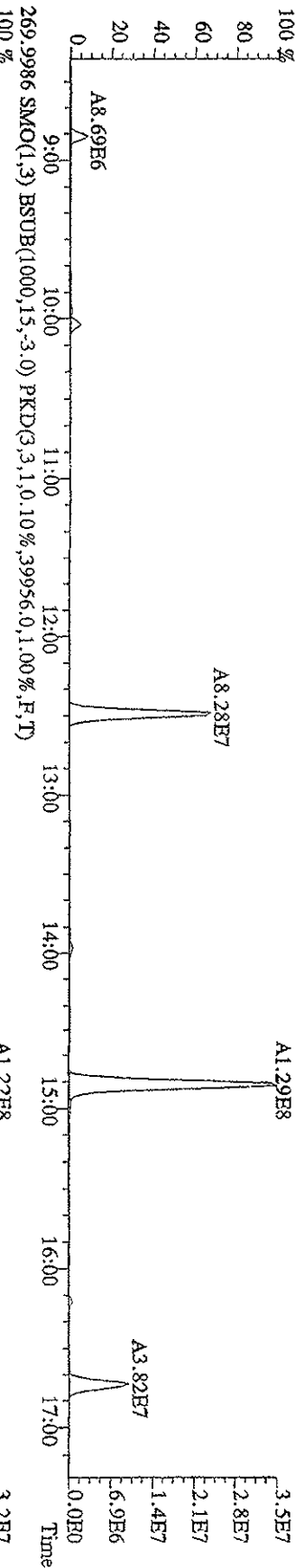
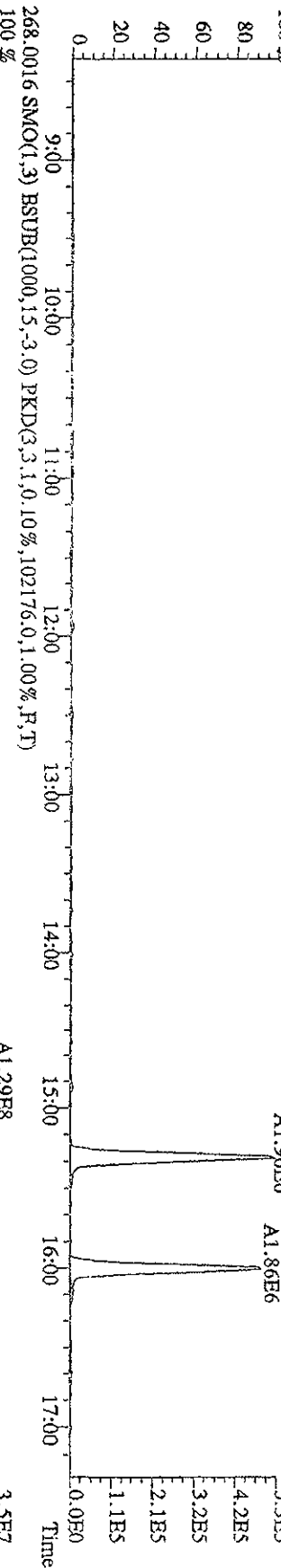
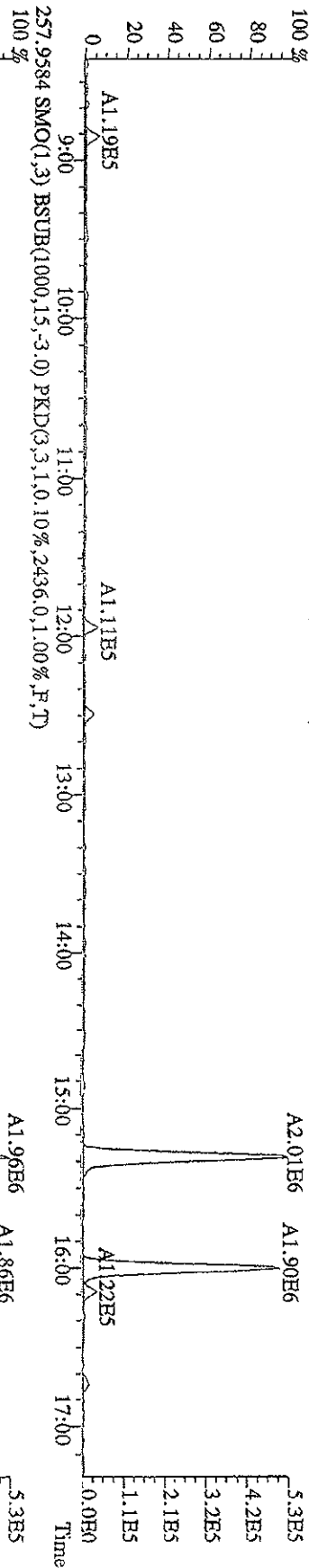
202.0766 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,113004,0,0,0.00%,F,T)  
 A1.05E8



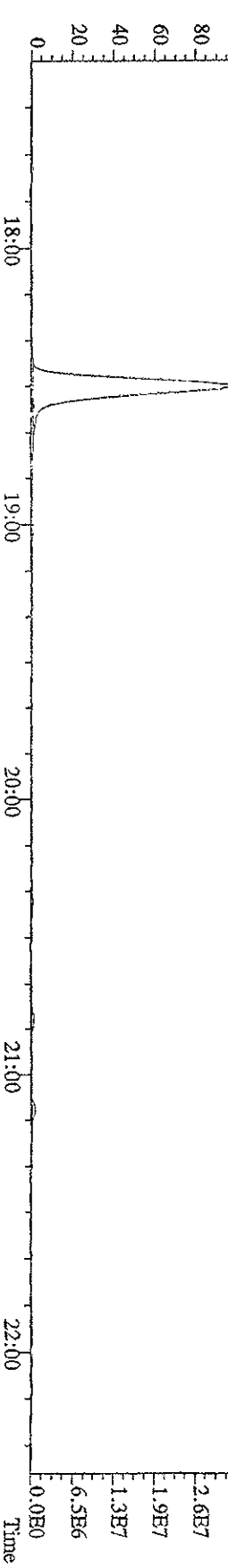
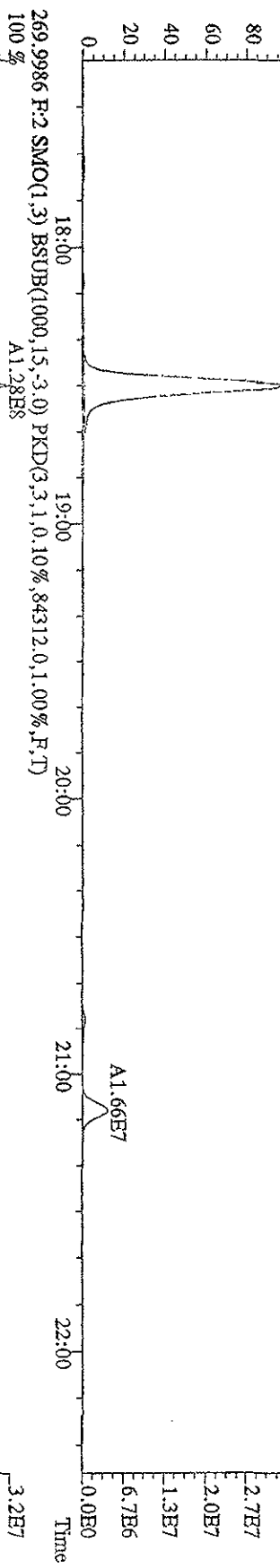
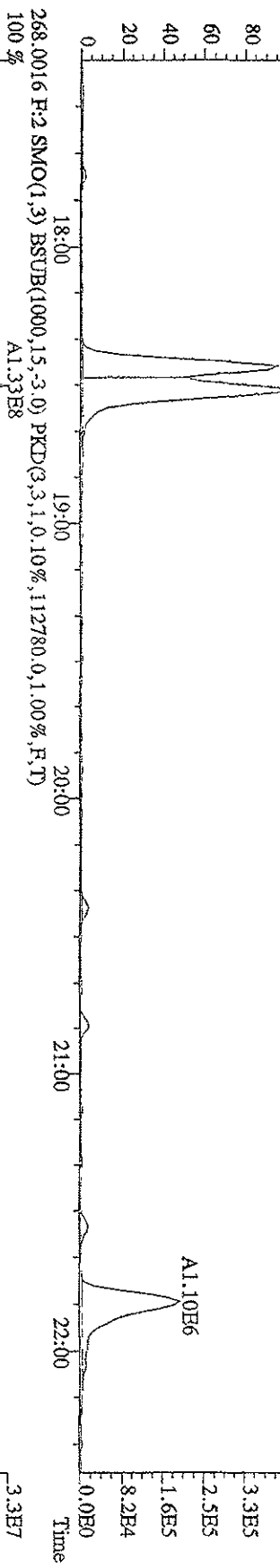
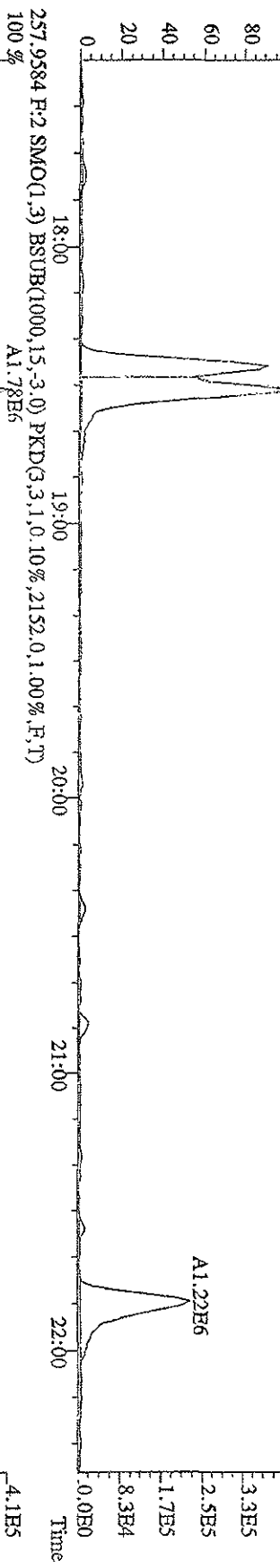
File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC HF+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 222.0003 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1.0,10%,29552.0,0.00%,F,T)



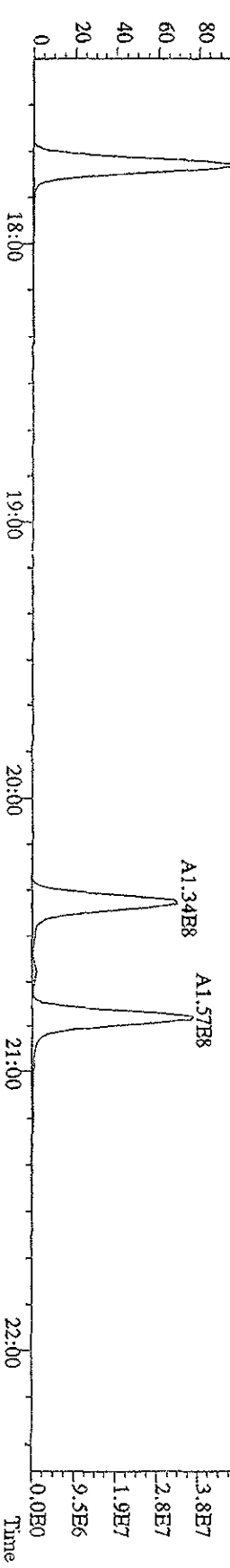
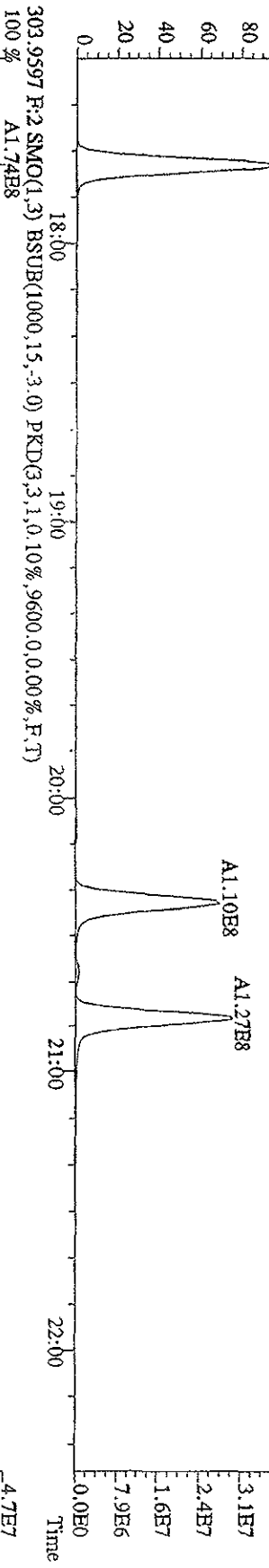
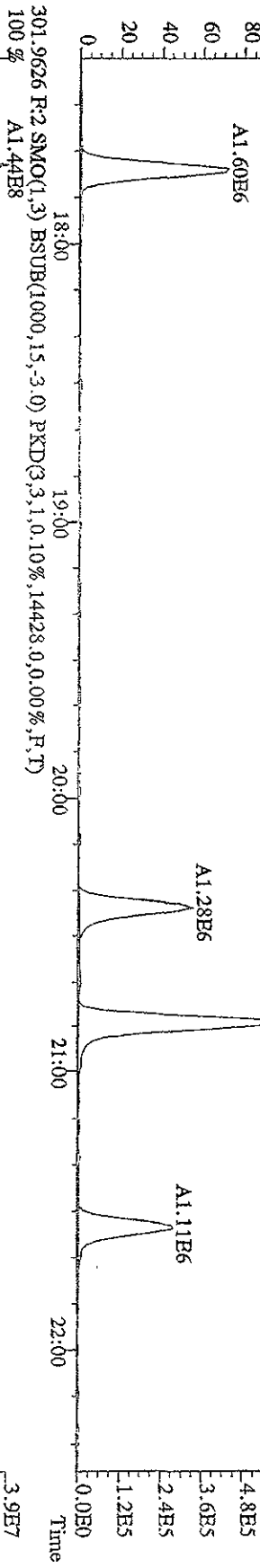
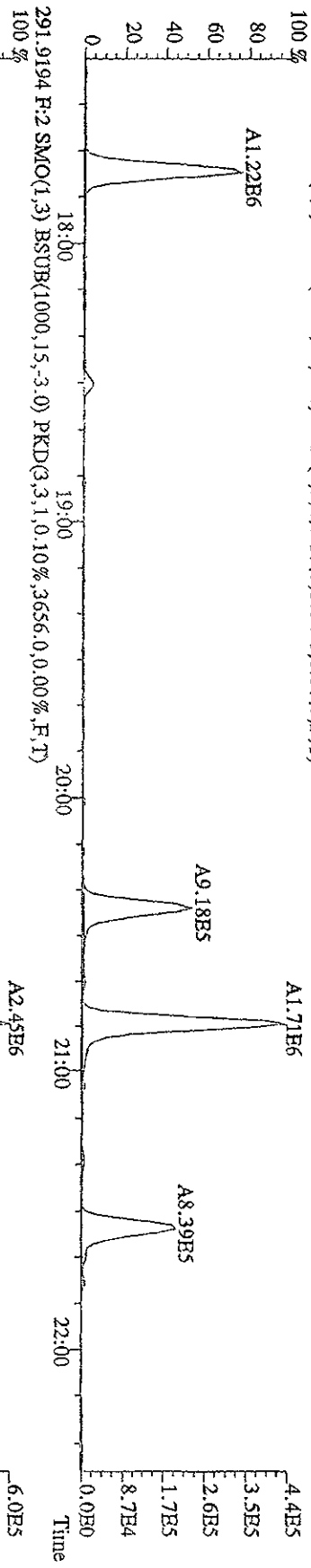
File: 151A09D9D5 #1-608 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UHimaB  
 Sample#1 Text: ST0115 :CSI 09DXN014 Exp: 209DB5  
 255.9613 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,4620.0,1.00%,F,T)



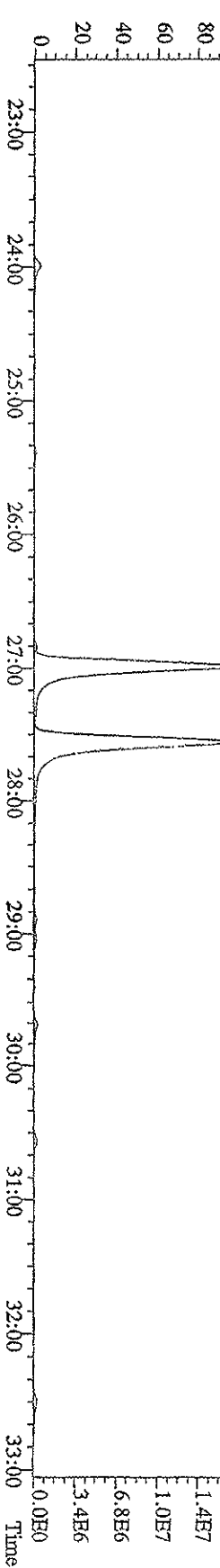
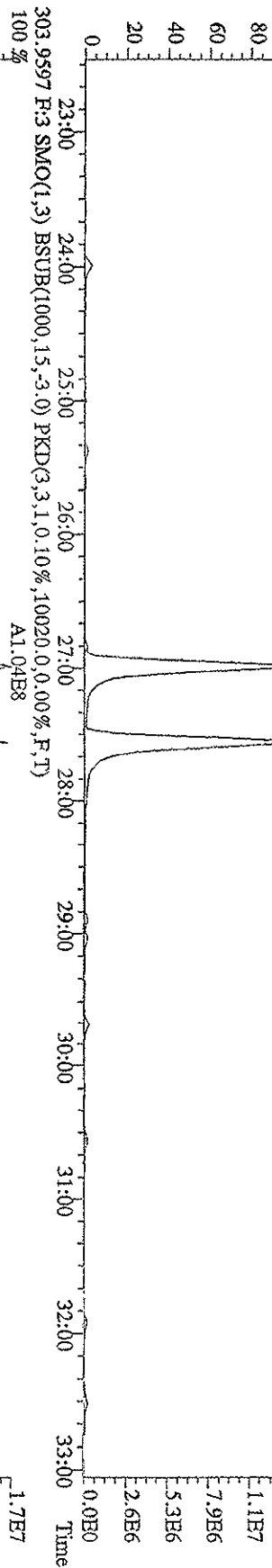
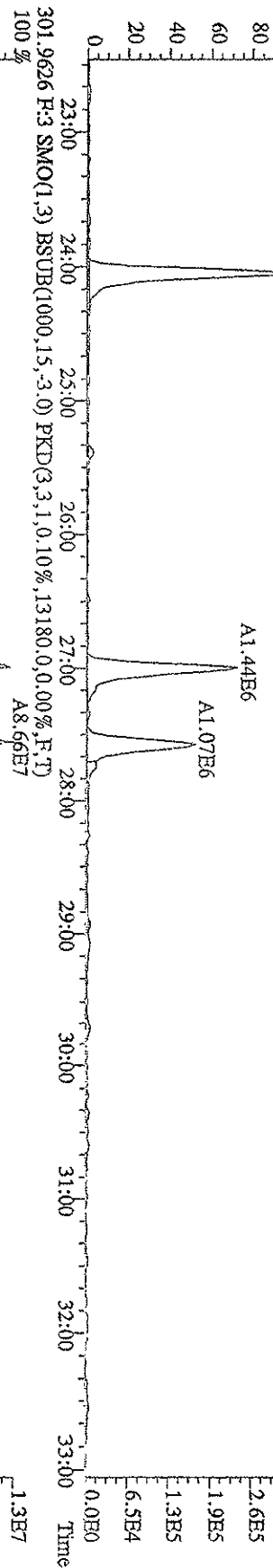
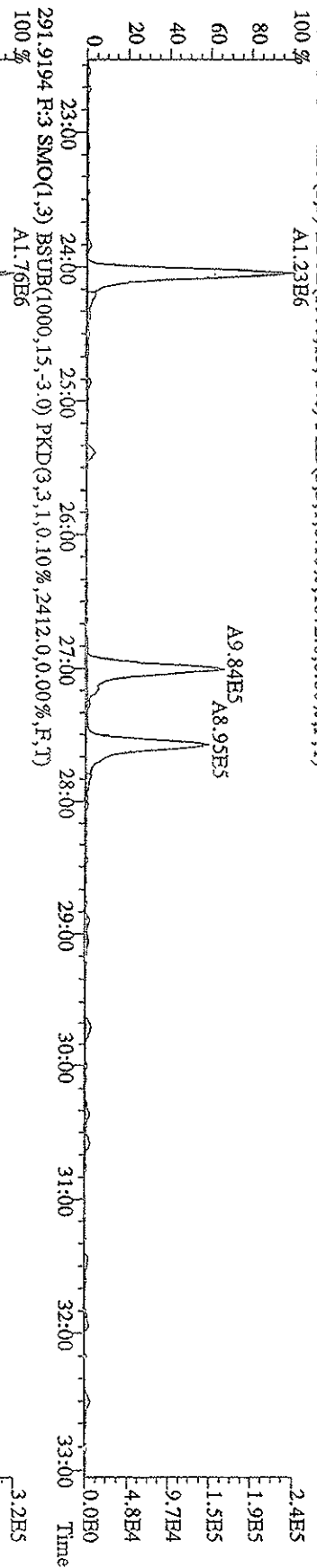
File:151A09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 257.9584 F:2.SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2152,0,1,00%,F,T)  
 100 % A1.91E6



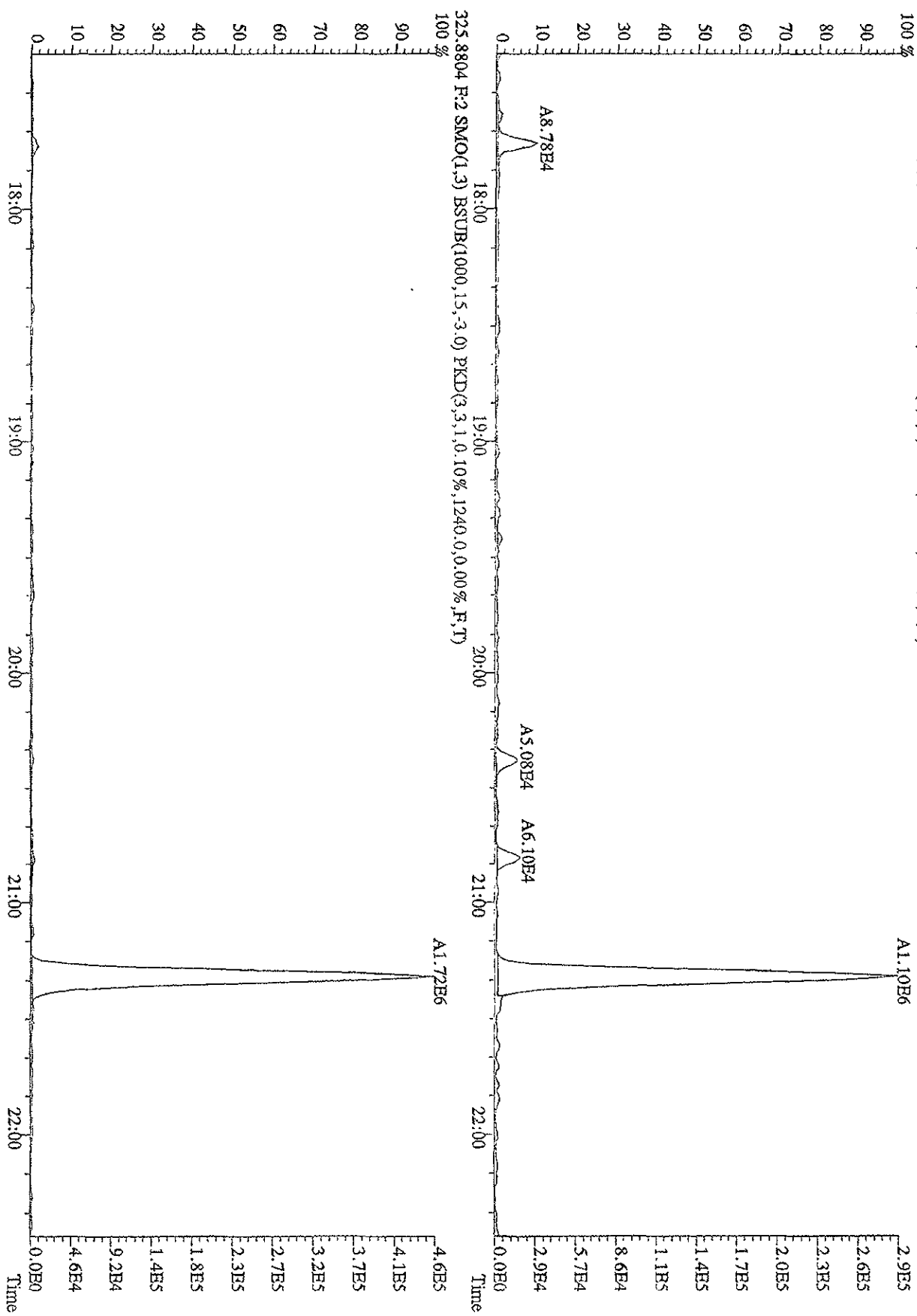
File: 151A09DD9D5 #1-372 Acq: 15-JAN-2009 20:25:19 GC BF + Voltage SIR Autospec-UltimaE  
 Sample#1 Text: ST015 :CS1 09DXND14 Exp: 209DB5  
 289.9224 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1736,0,0,00%,F,T)  
 100%



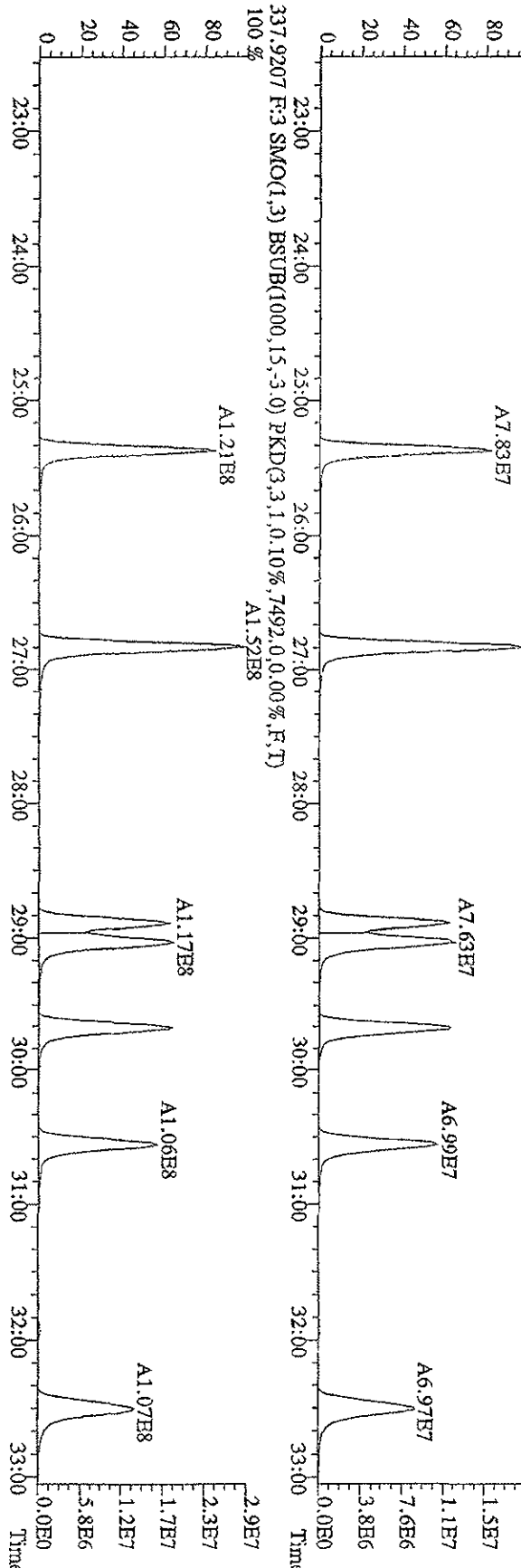
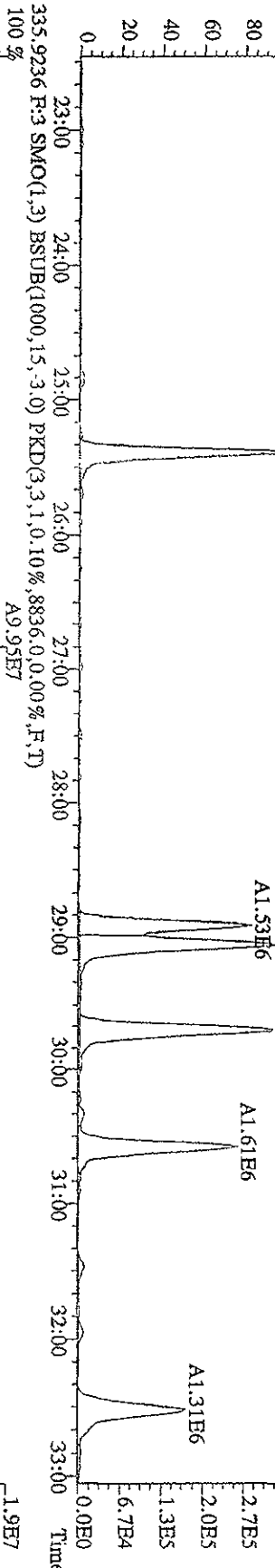
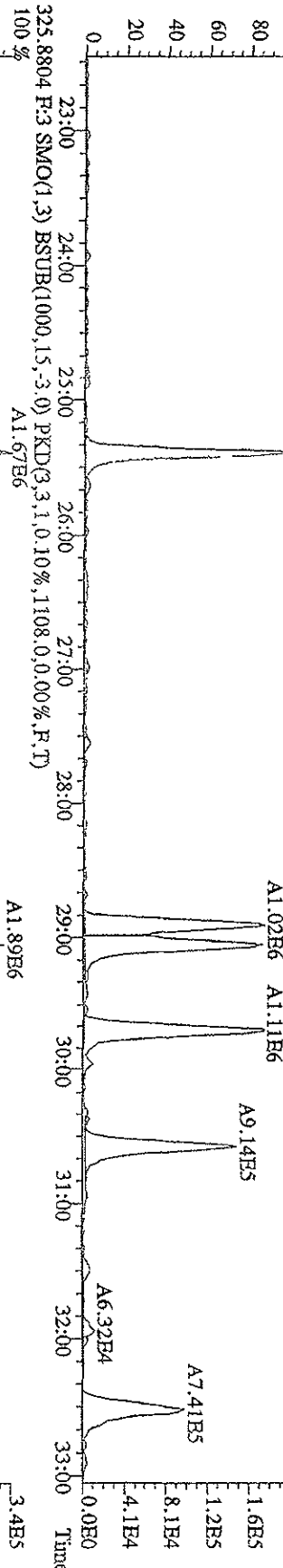
File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 289.9224 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1072.0,0.00%,F,T)  
 100 % A1.23E6



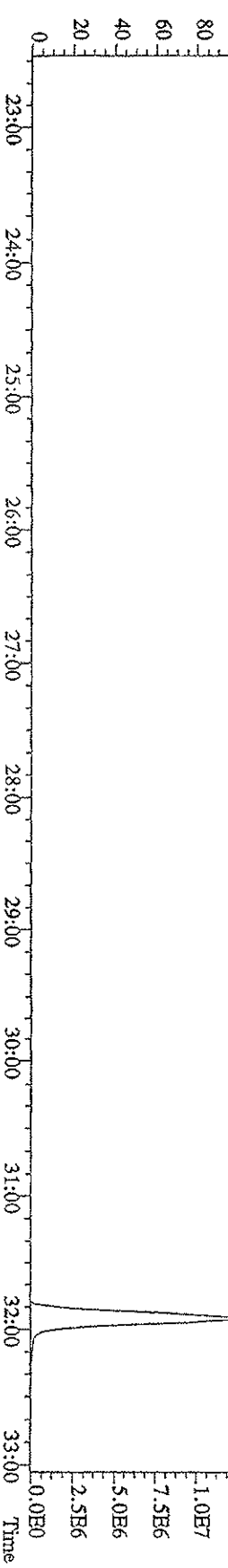
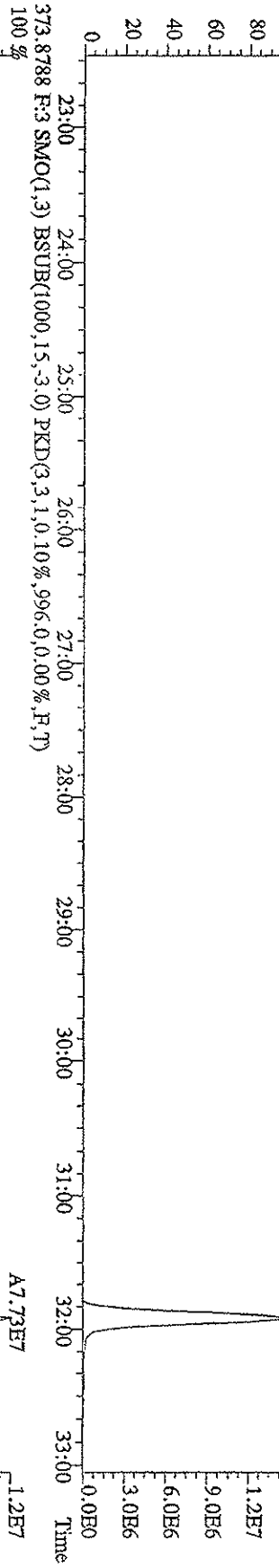
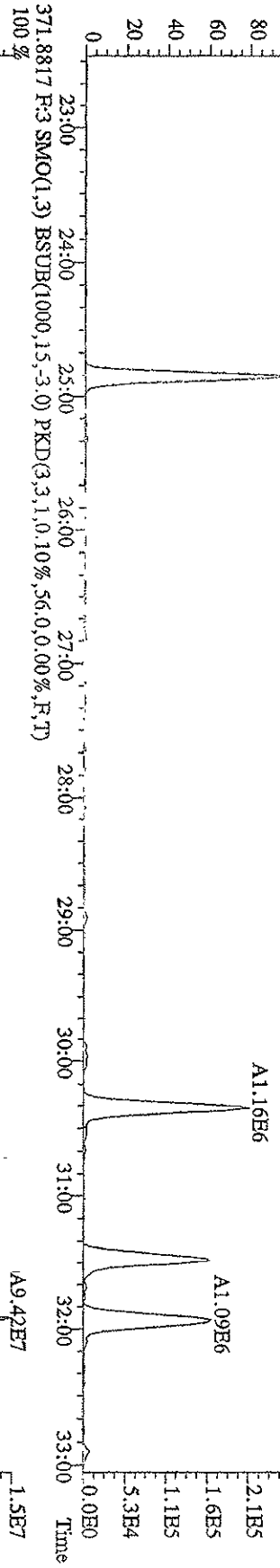
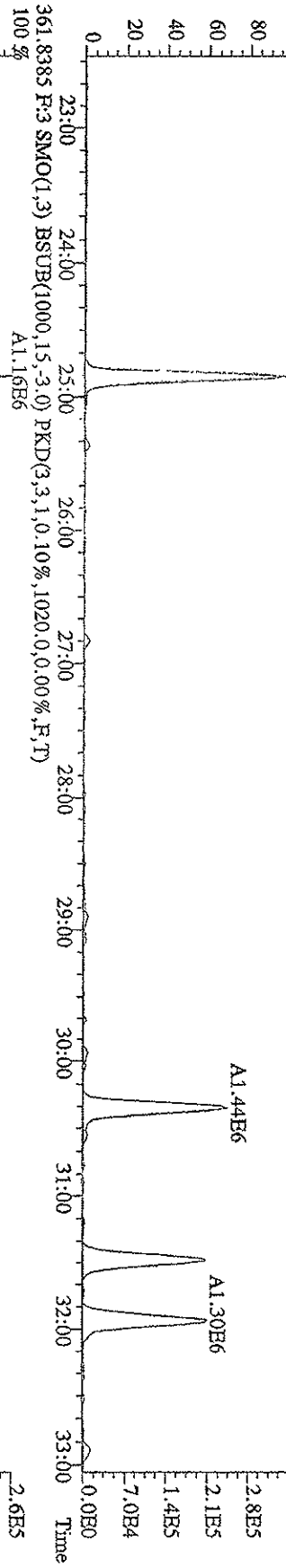
File:15IA09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 323.8834 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1240,0,0,00%,F,T)







File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359.8415 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1376.0,0.00%,F,T)  
 100% A1.59E6

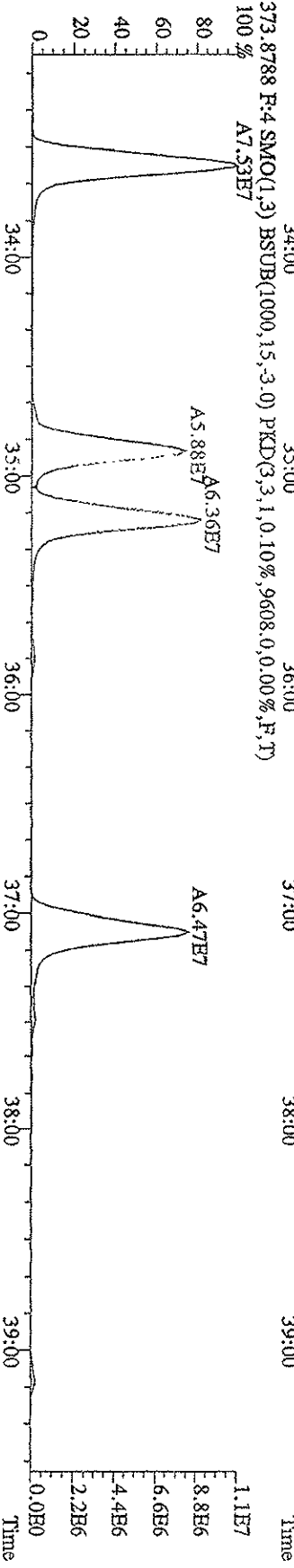
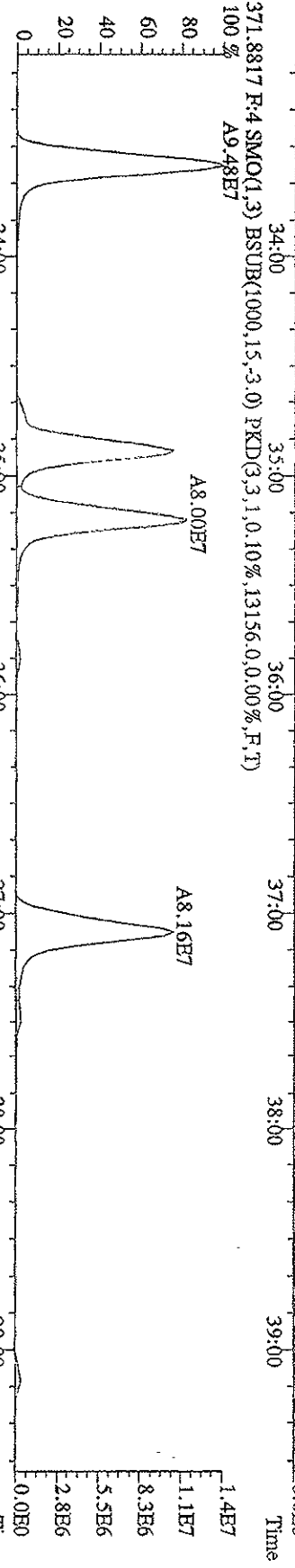
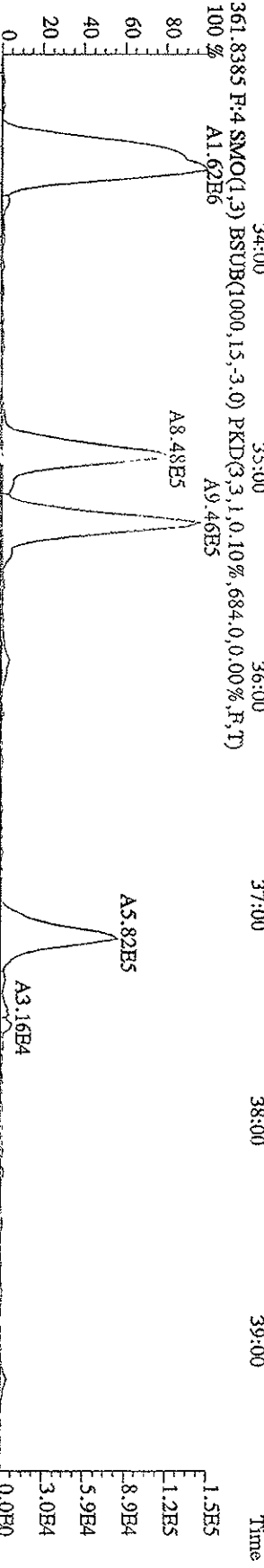


File:151A09DD9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate

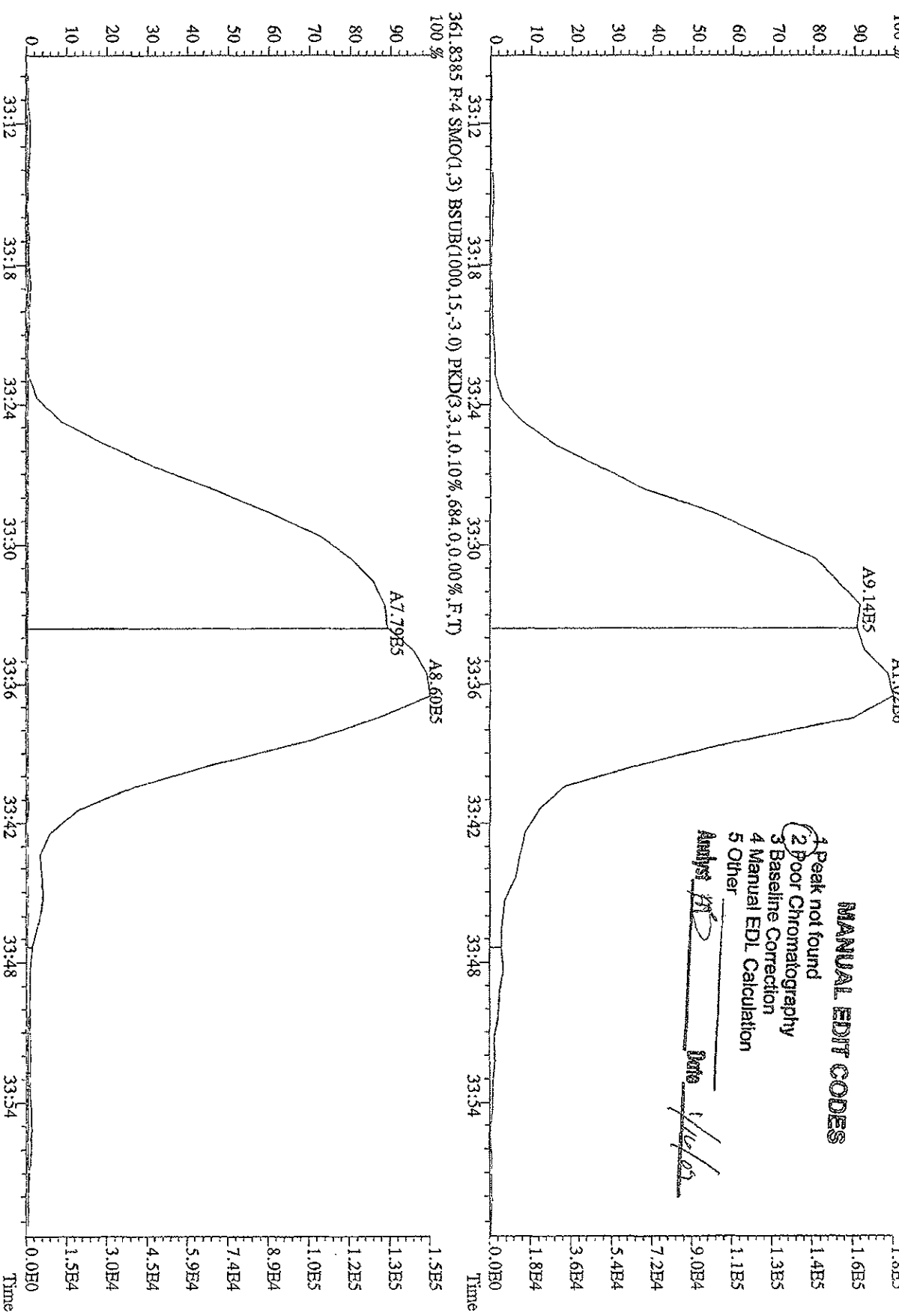
Sample#1 Text:ST0115 :CSI 09DXN014

Exp:209DB5

359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,928.0,0.00%,F,T)



File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0115 :CSI 09DXN014 Exp: 209DB5  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,928,0,0,00%,F,T)

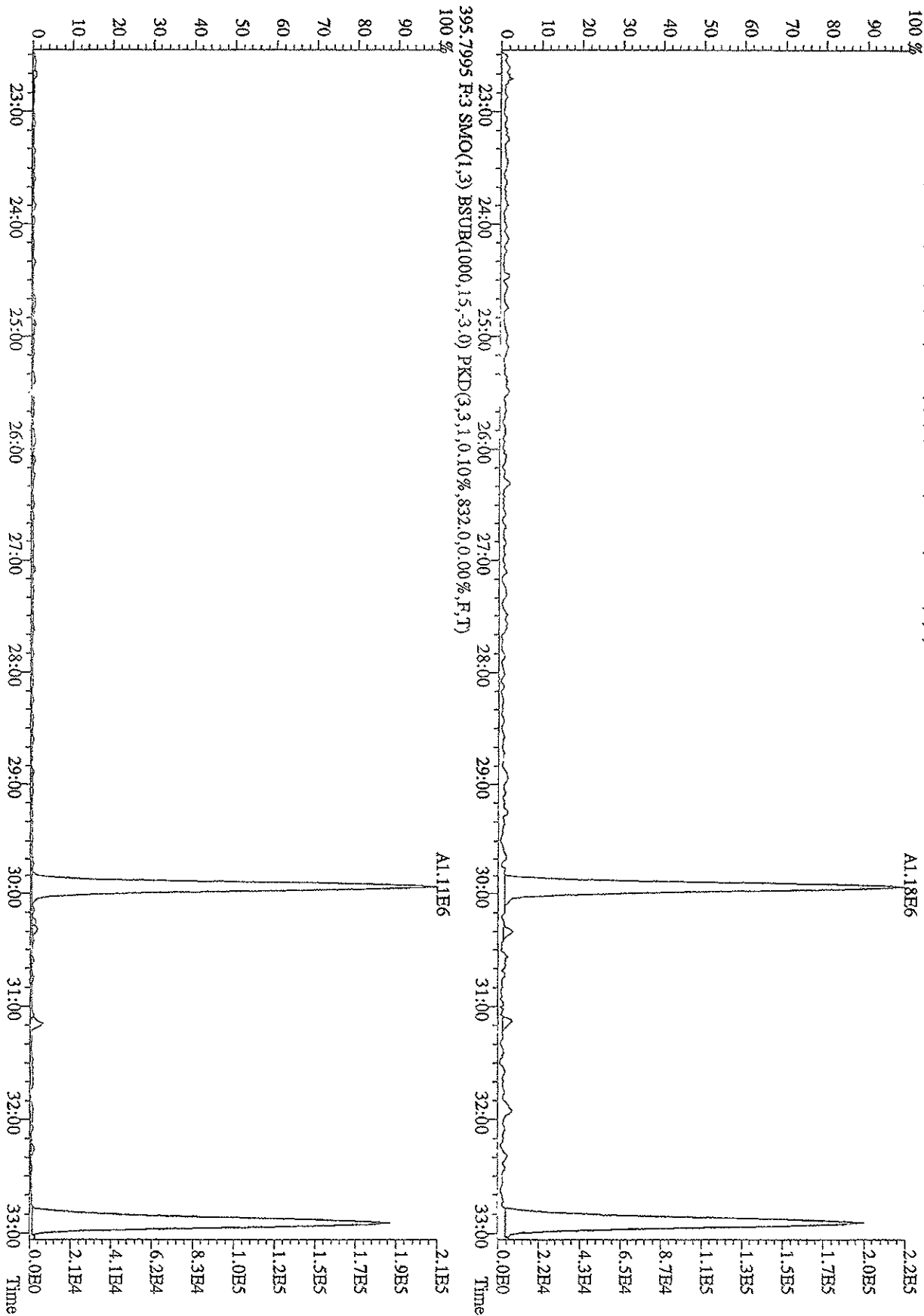


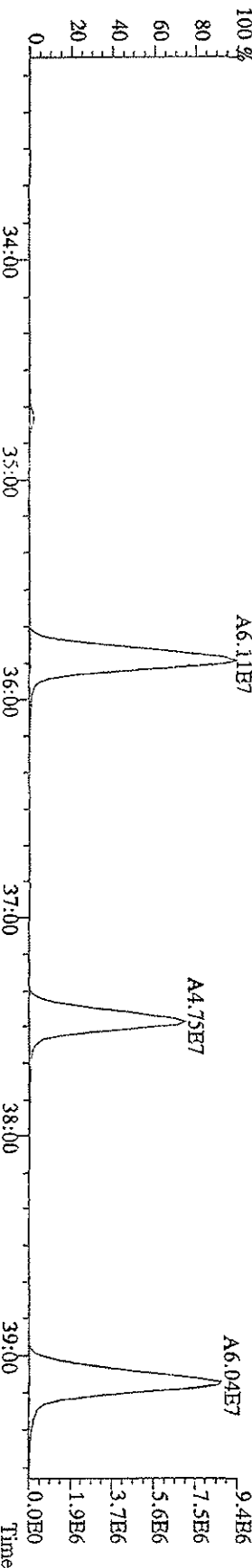
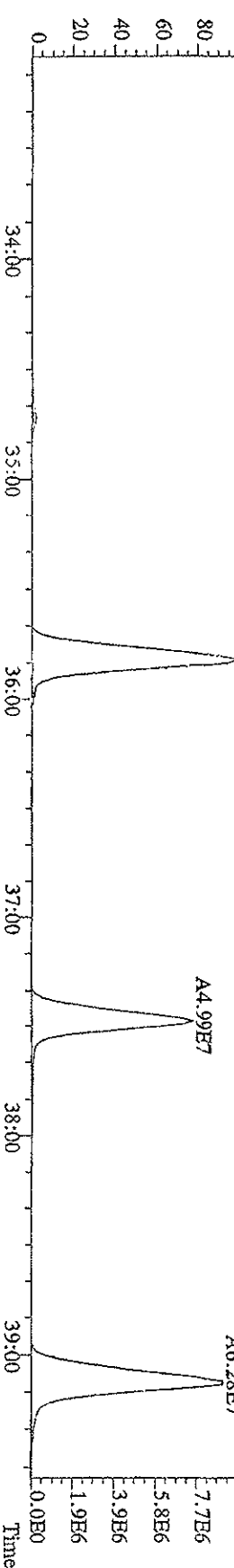
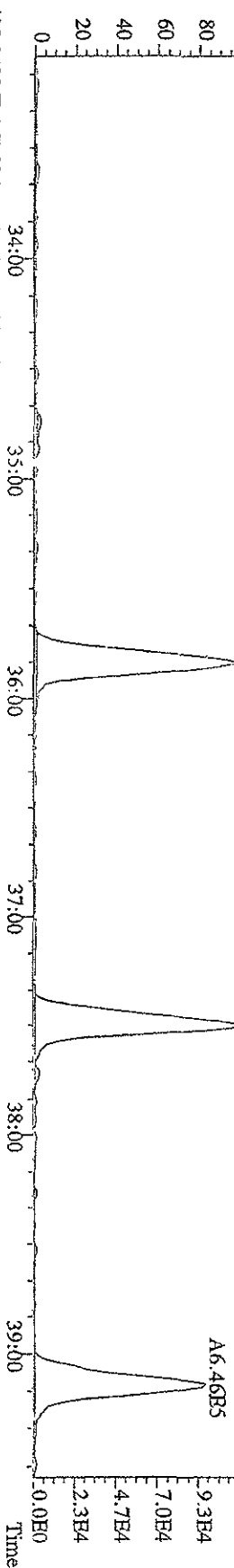
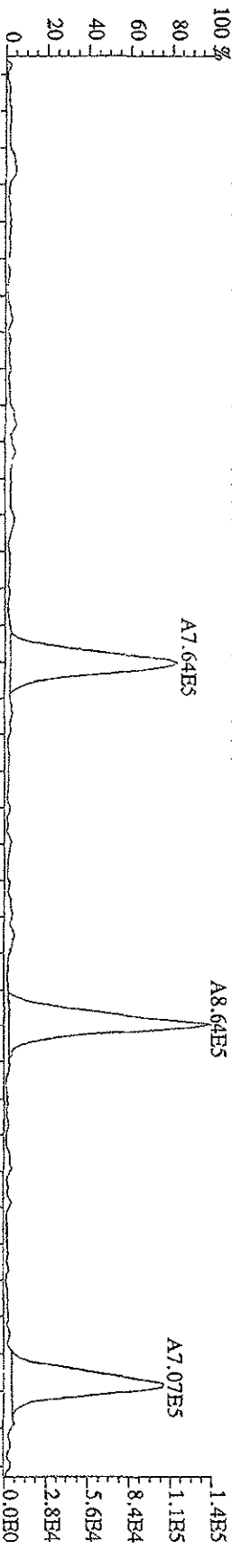
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

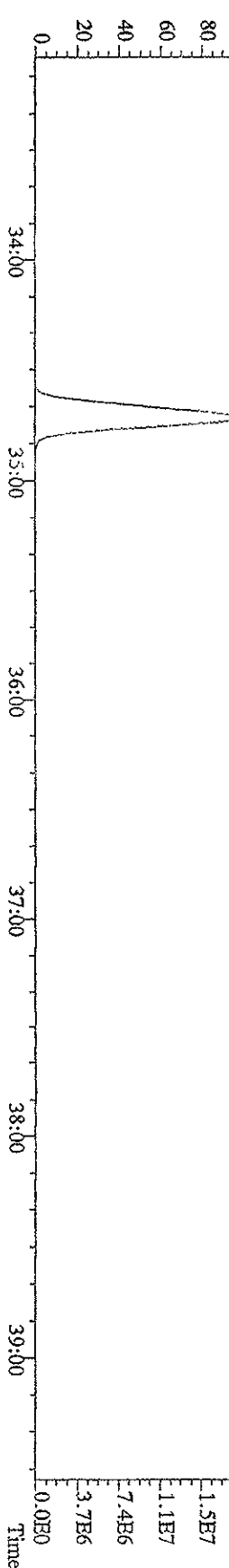
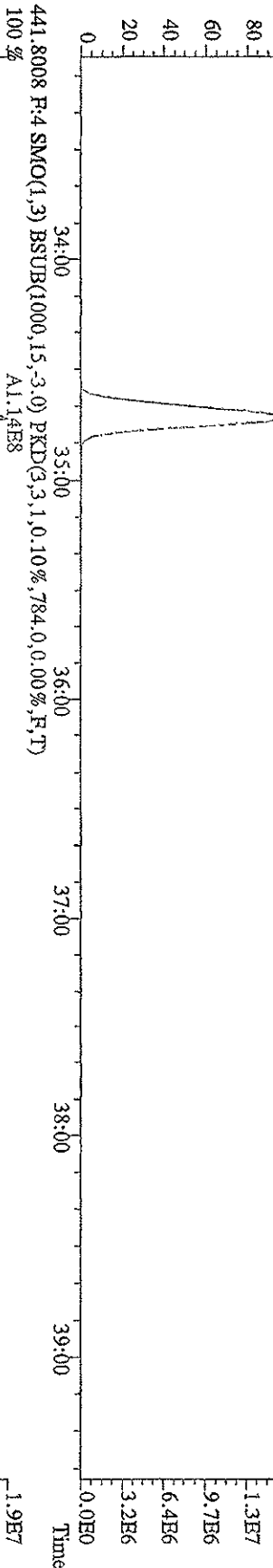
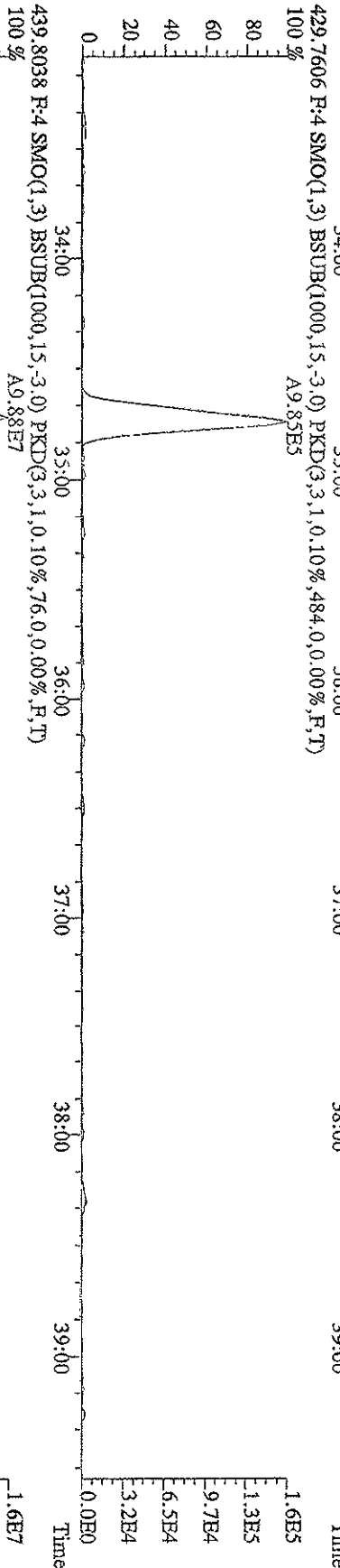
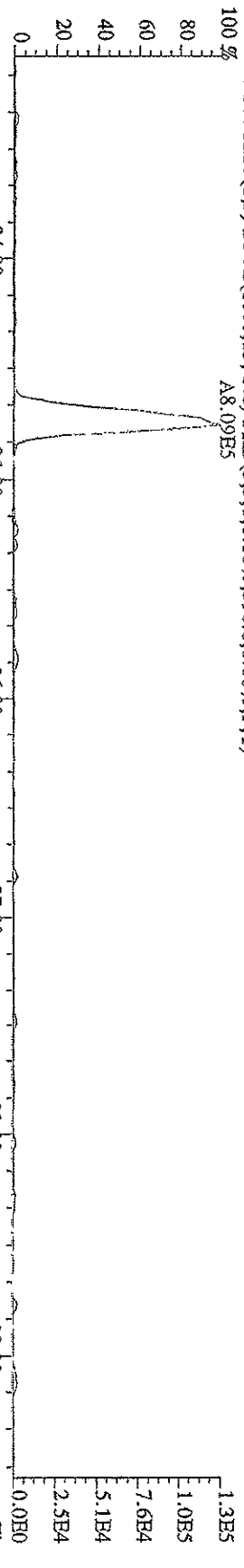
Analyst: HT Date: 1/12/09

File:15JA09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC FI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 393.8025 F3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,832.0,0.00%,F,T)

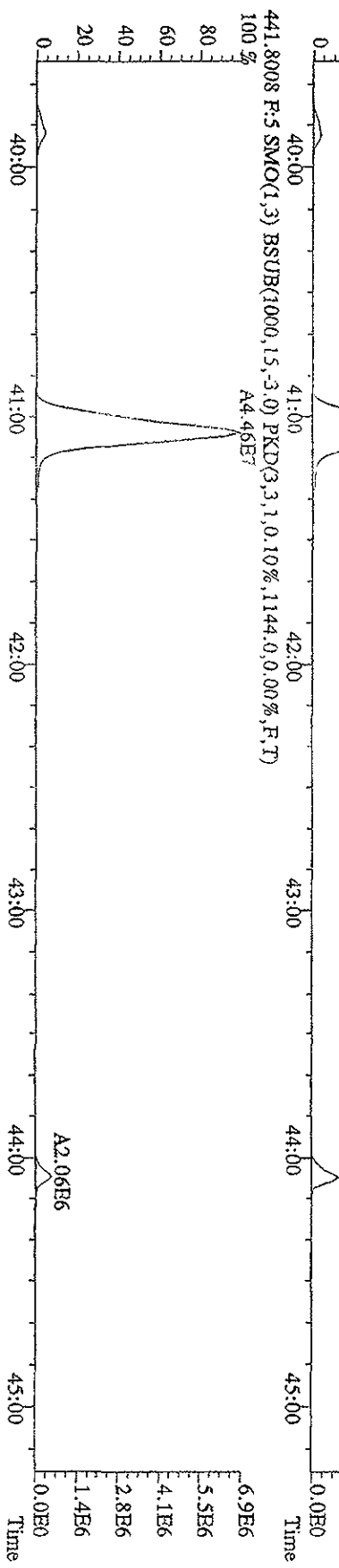
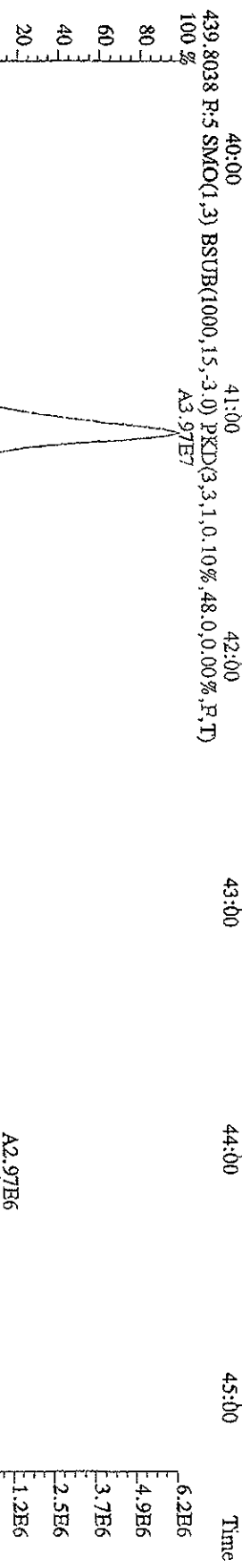
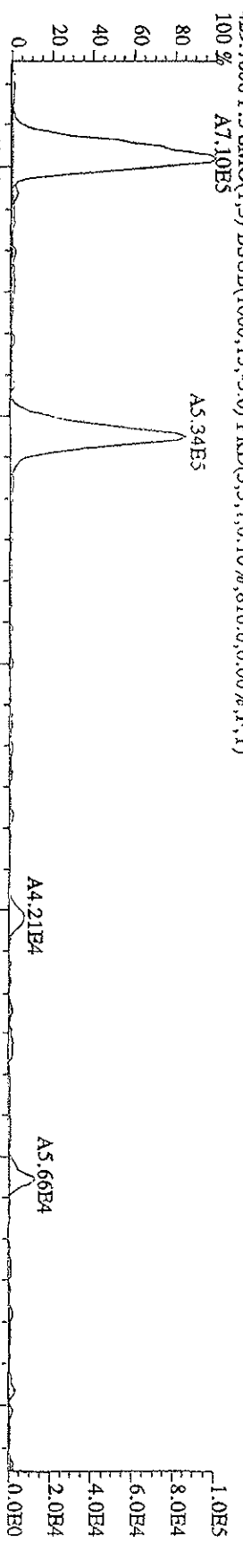
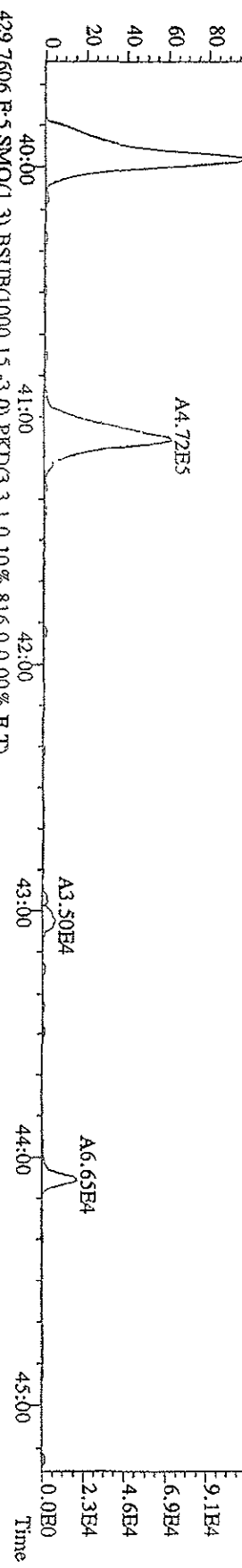




File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 .CSI 09DXN014 Exp:209DB5  
 427.7635 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,484,0,0,00%,F,T)  
 100 % A8.09E5

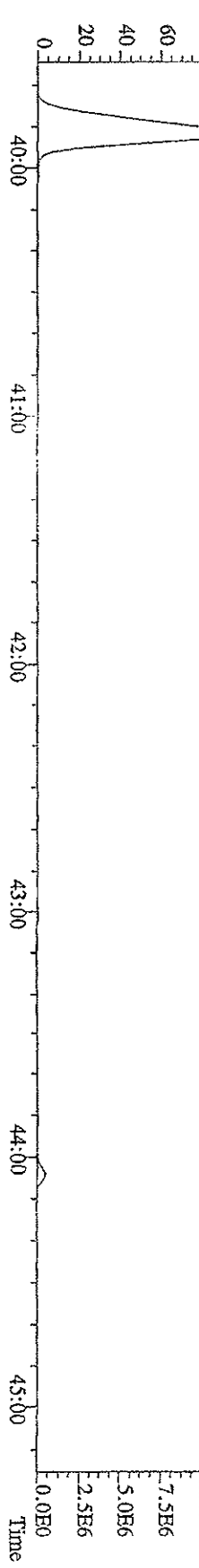
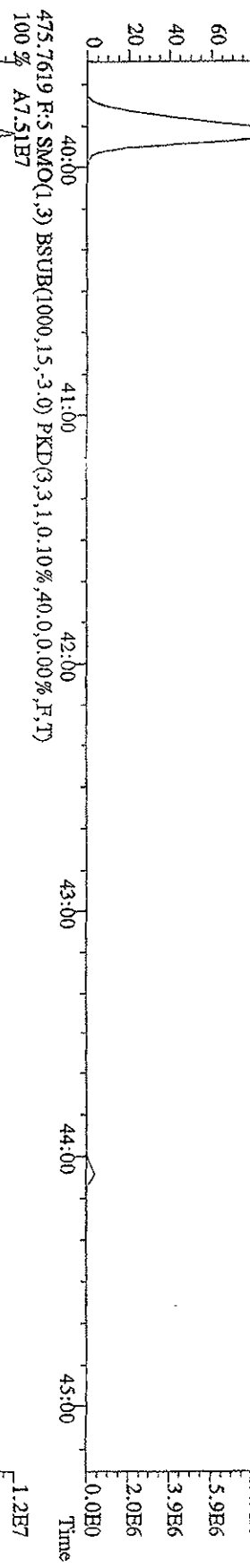
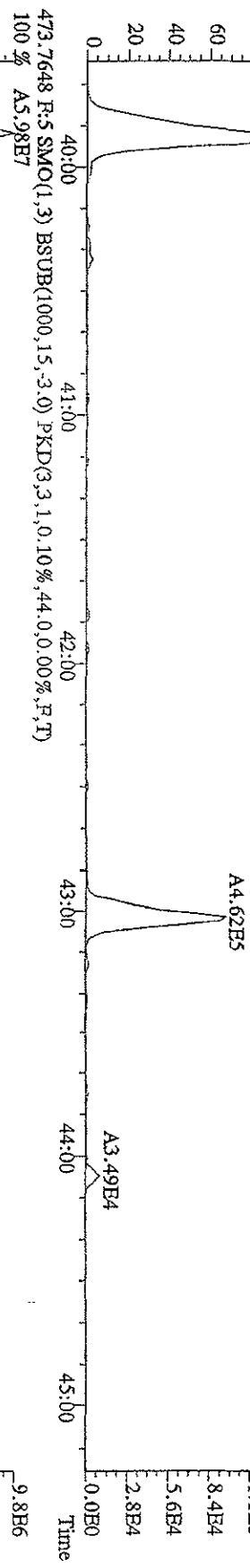
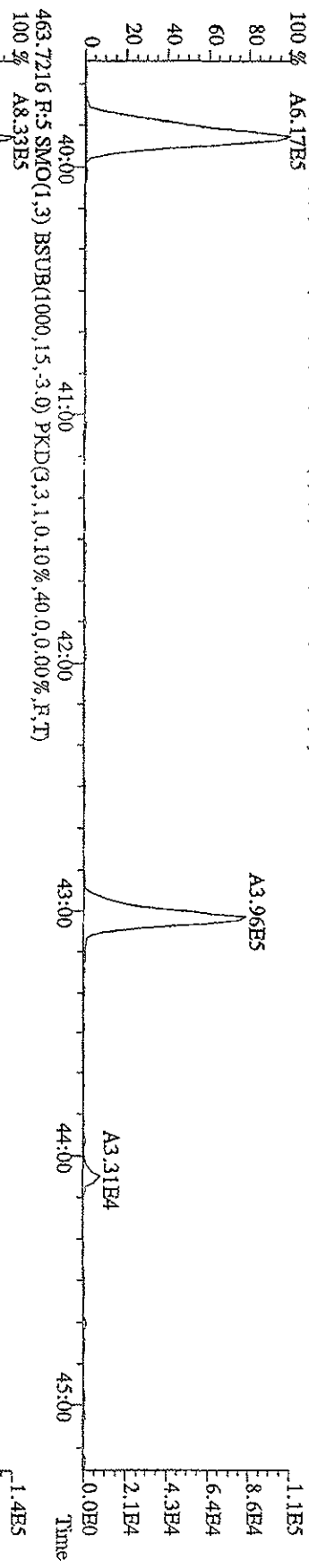


File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CS1 09DXND14 Exp:209DB5  
 427.7635 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,76,0,0,00%,F,T)  
 100 % A6.55E5

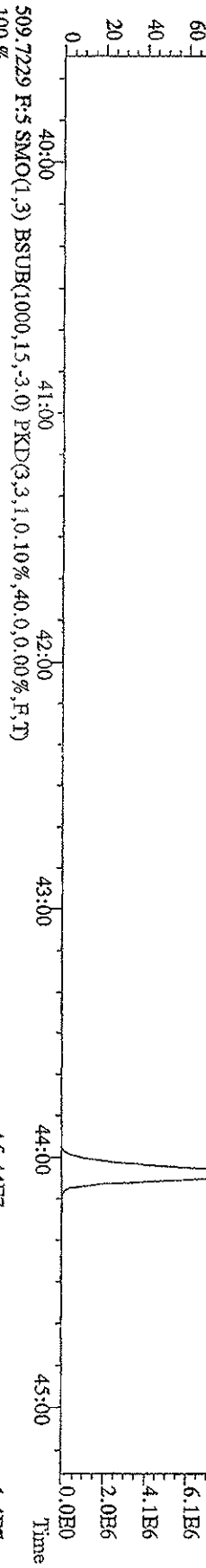
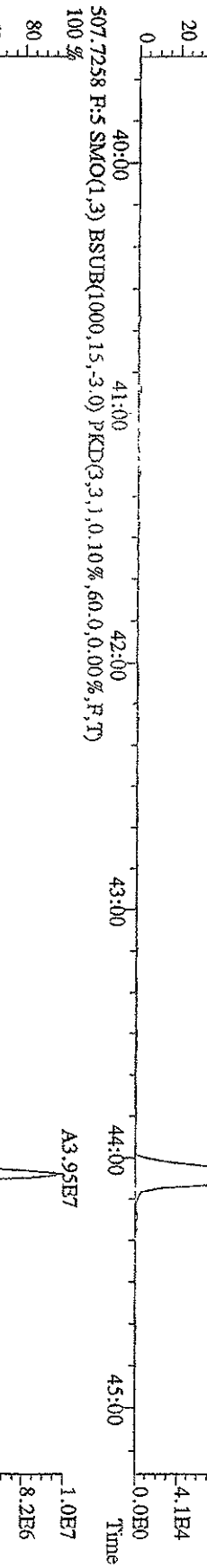
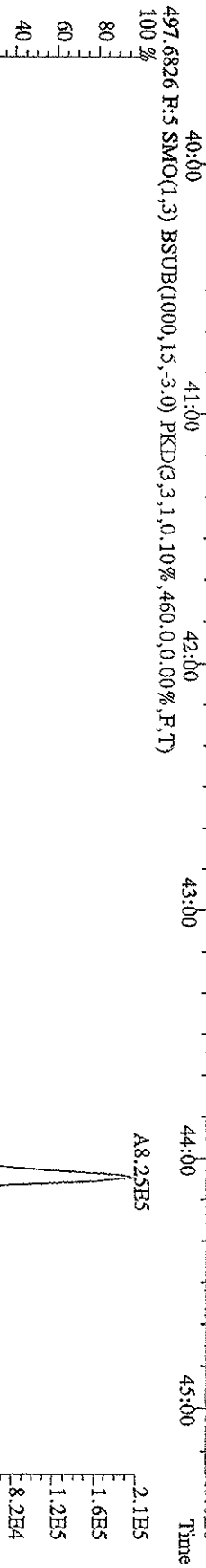
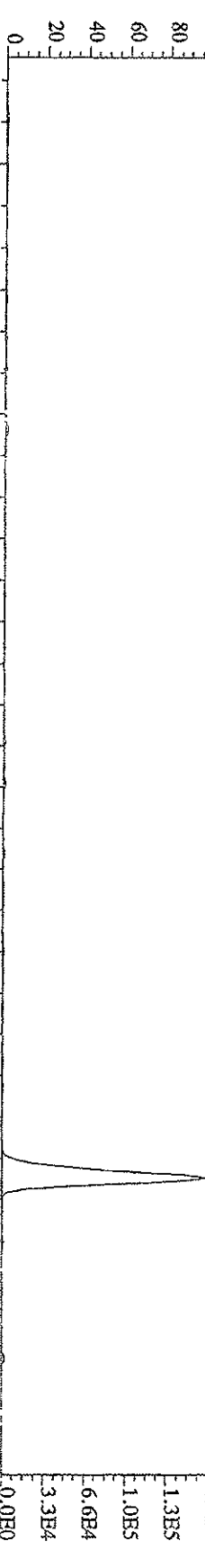




File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 461.7245 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,336,0,0.00%,F,T)  
 100% A6.17E5



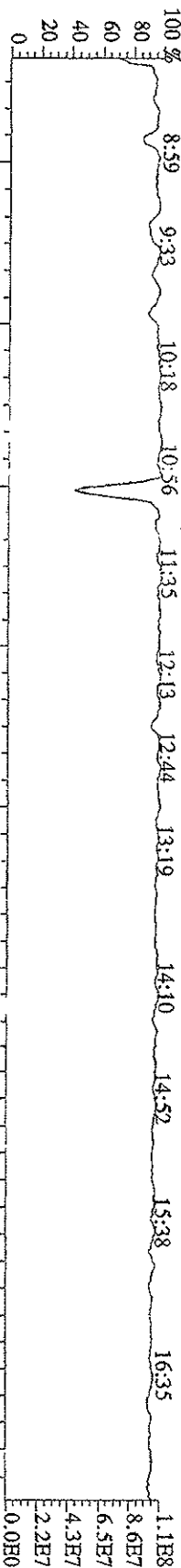
File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 495.6856 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,420.0,0.00%,F,T)  
 100 %



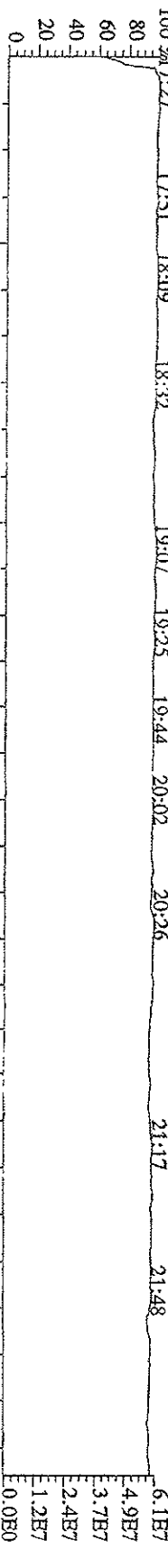
File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC BF + Voltage SIR Autospec-Ultimate

Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5

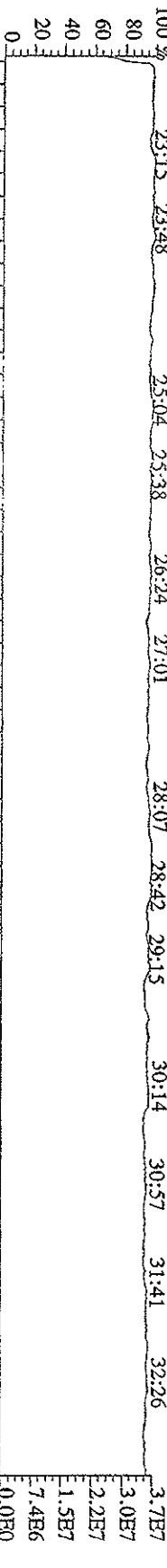
218.9856 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



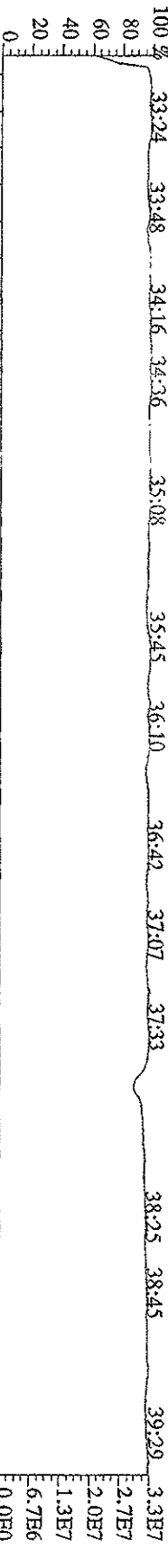
330.9792 F:2 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



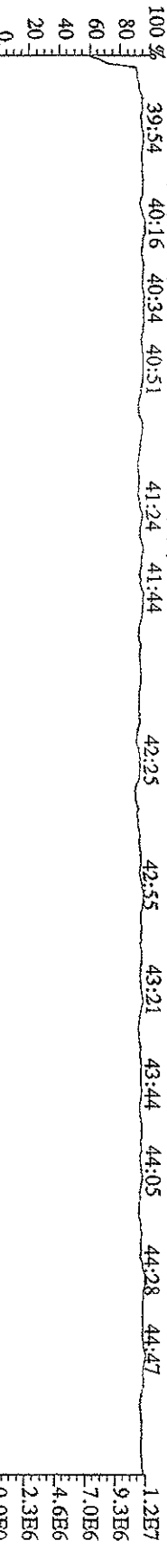
380.9760 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



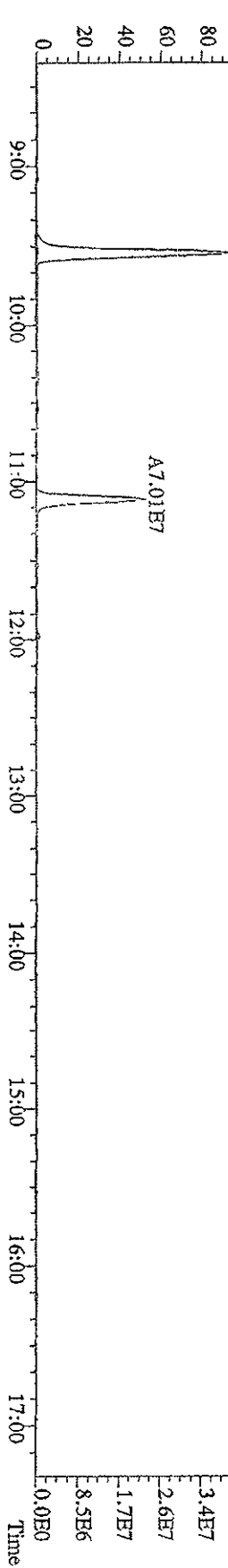
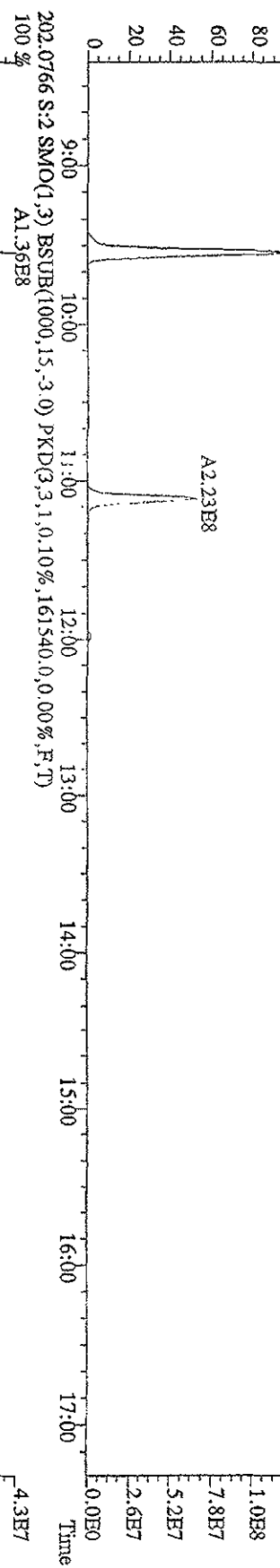
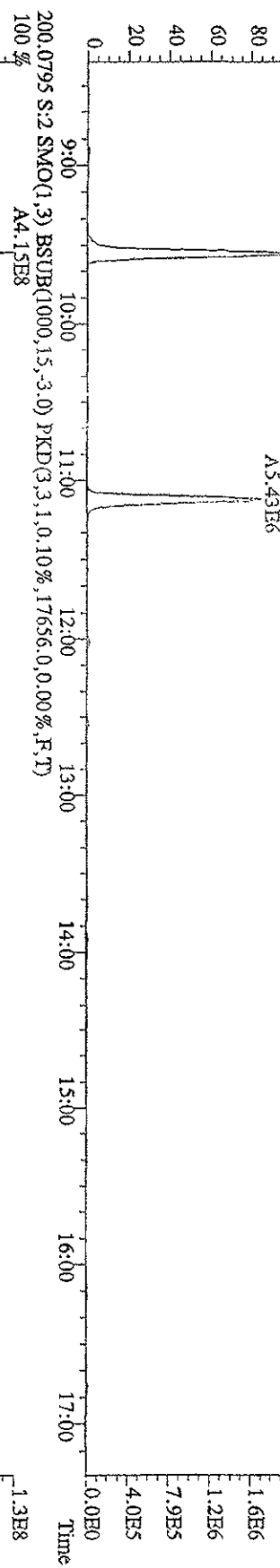
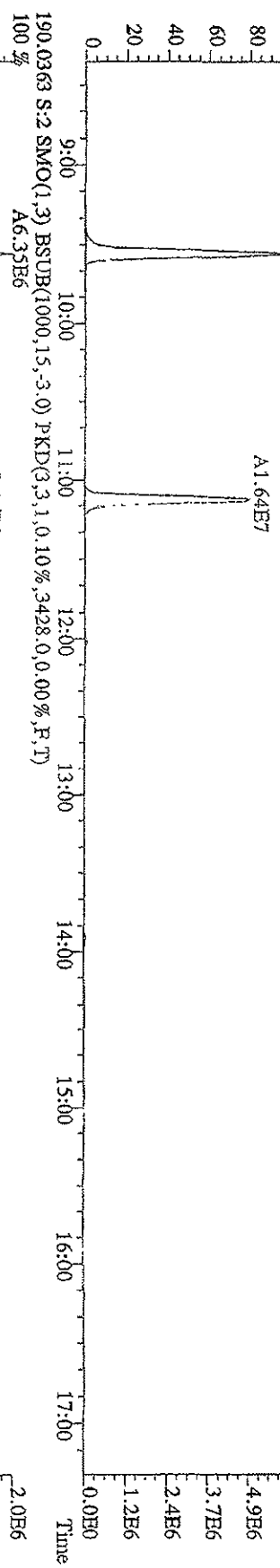
380.9760 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



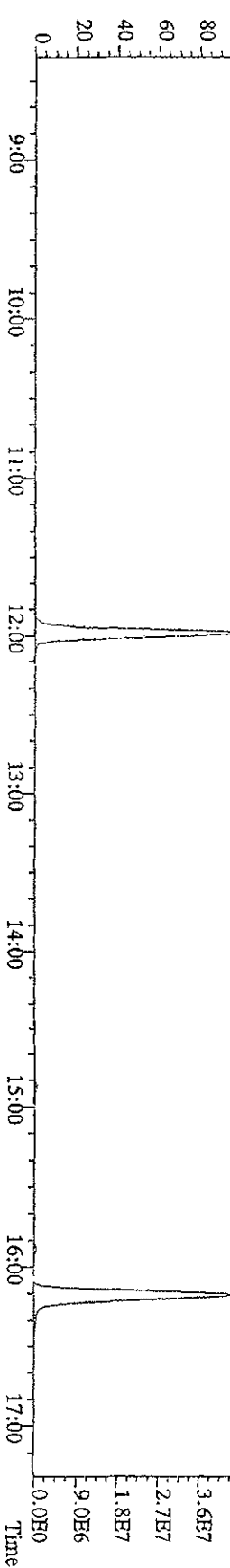
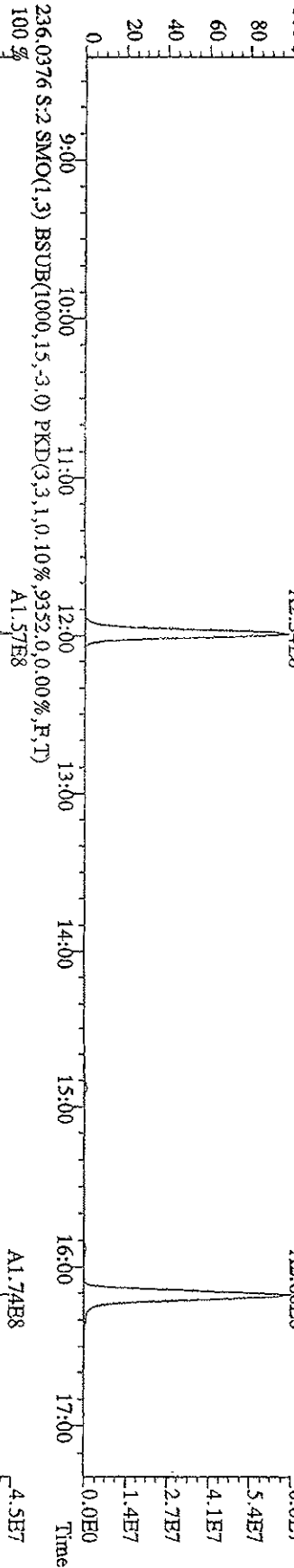
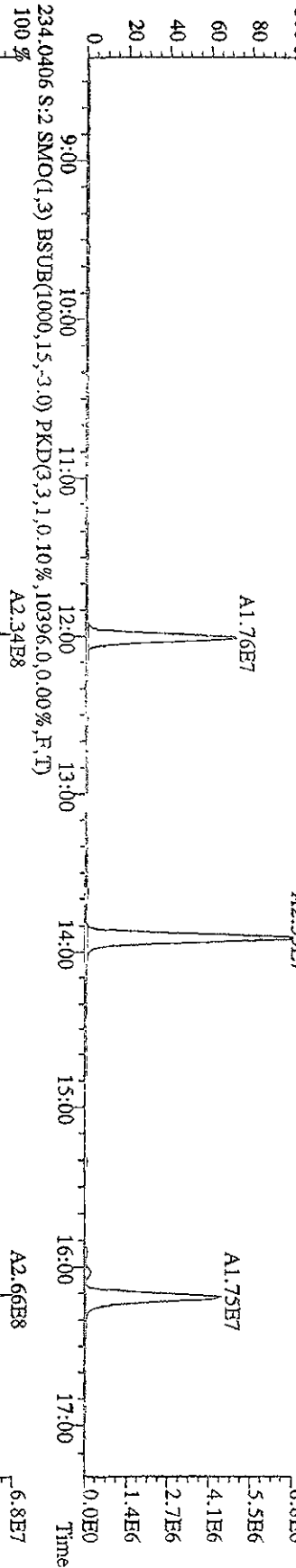
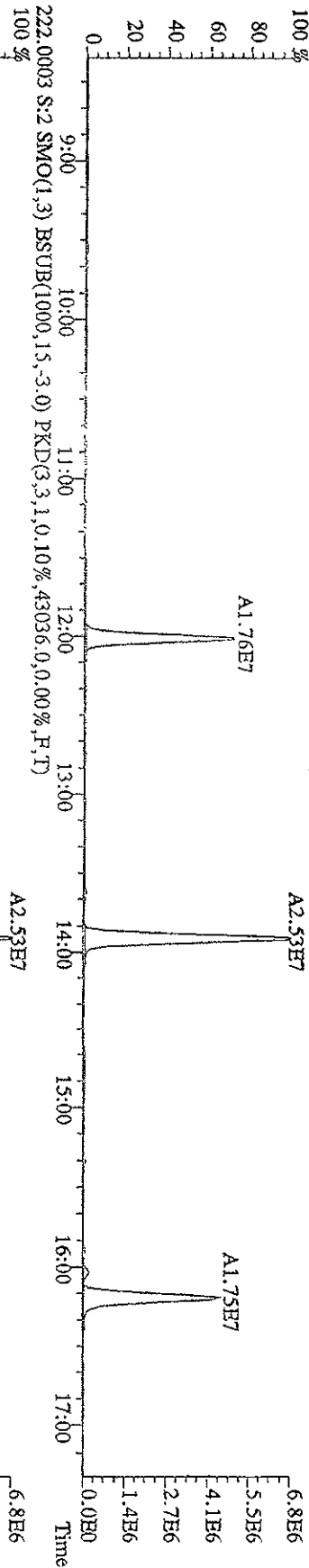
480.9696 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



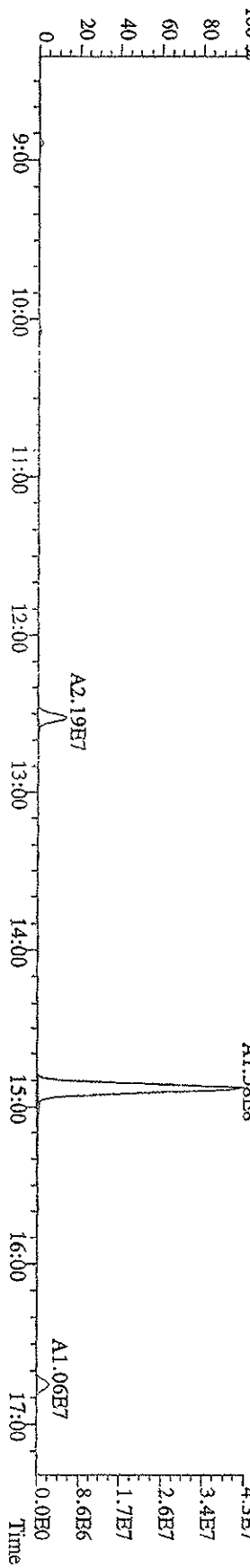
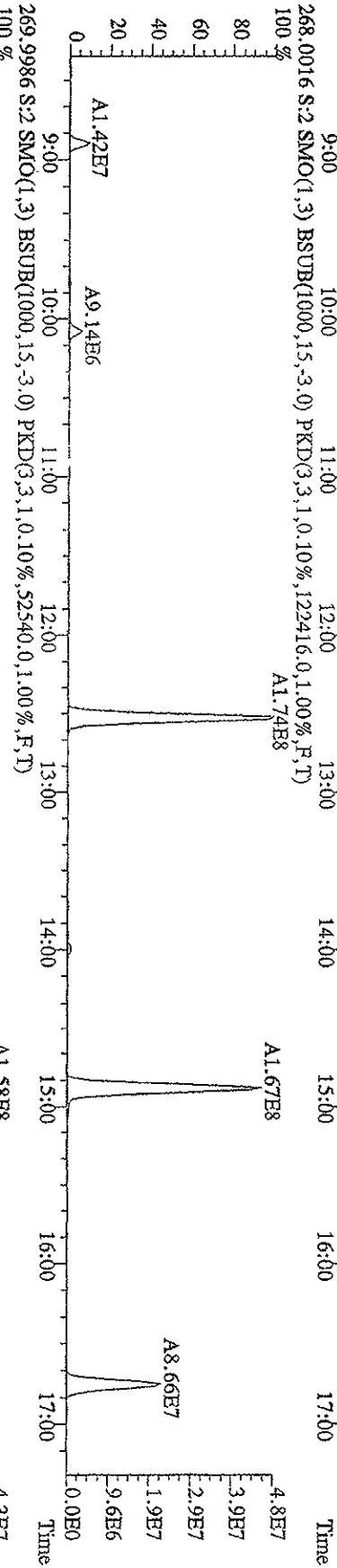
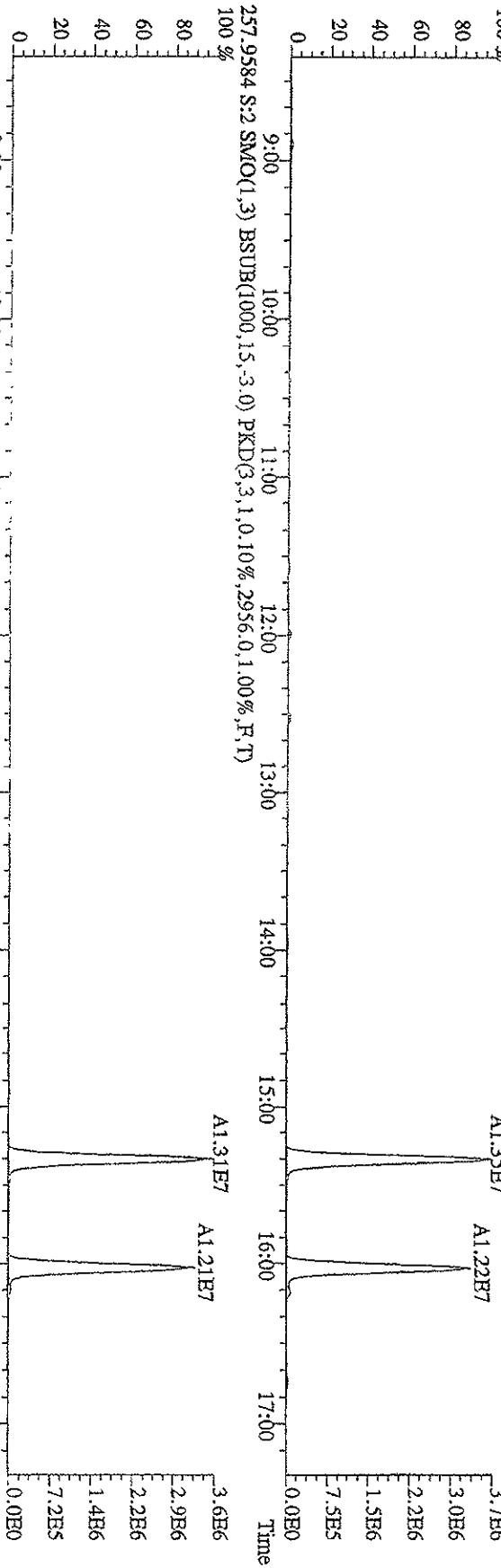
File:15JA09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC:EI+ Voltage:50V S/R:Autospec-Ultimate  
 Sample#2 Text:ST0115A :CSS2 09DXN015 Exp:209DB5  
 188.0393 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5748,0,0,00%,F,T)  
 100% A1.95E7



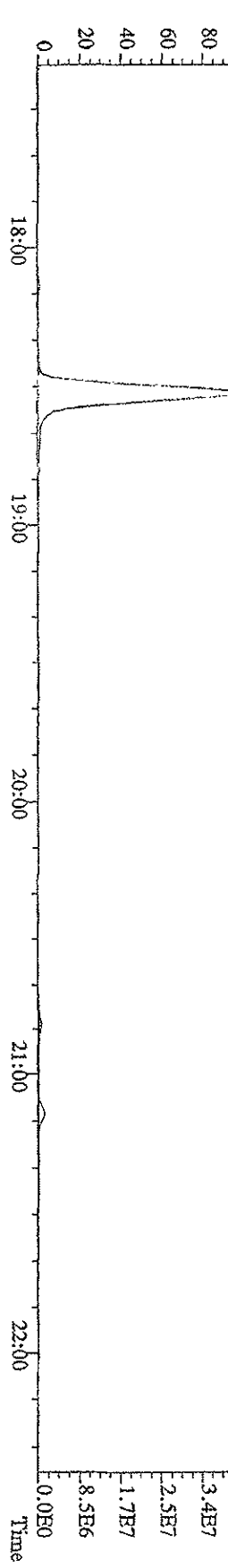
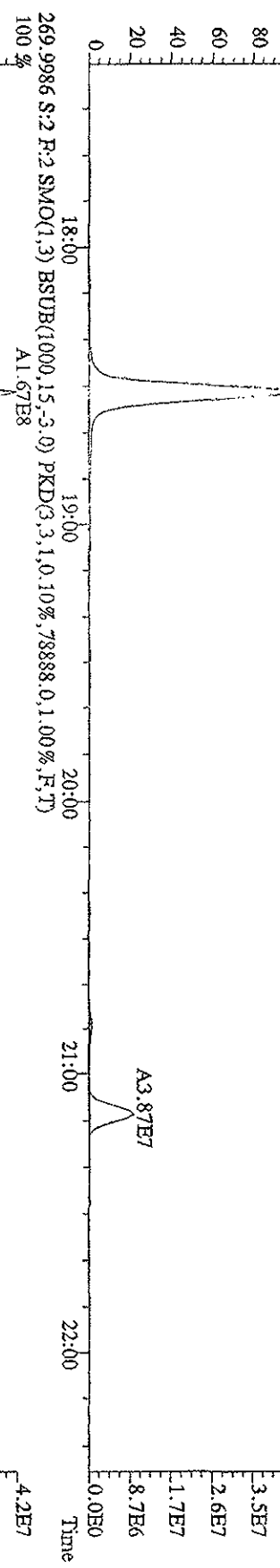
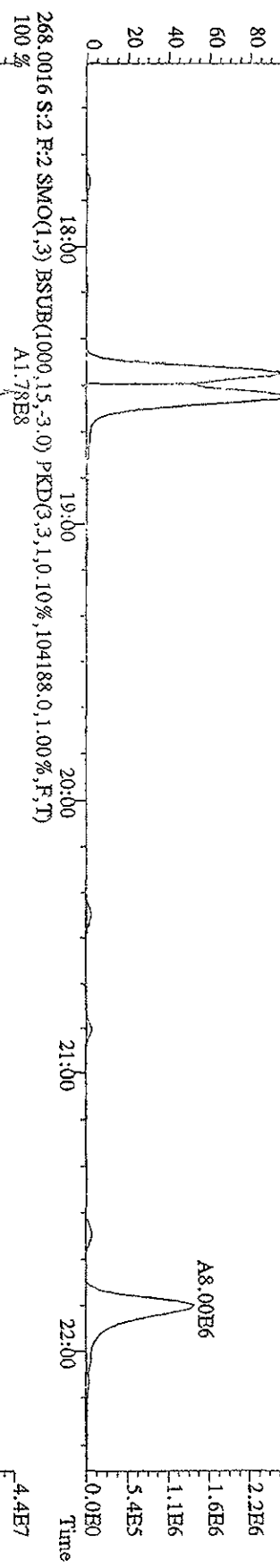
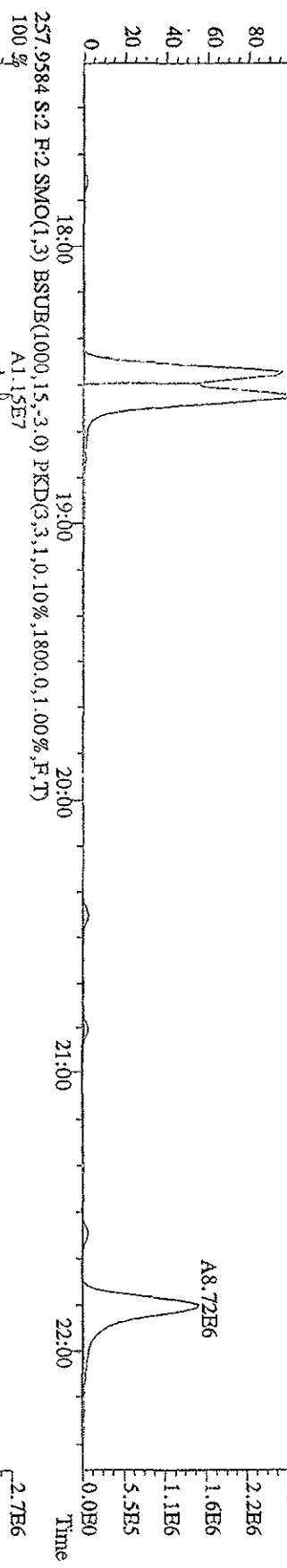
File:151A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC HF+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 222.0003 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,43036,0,0,00%,F,T)



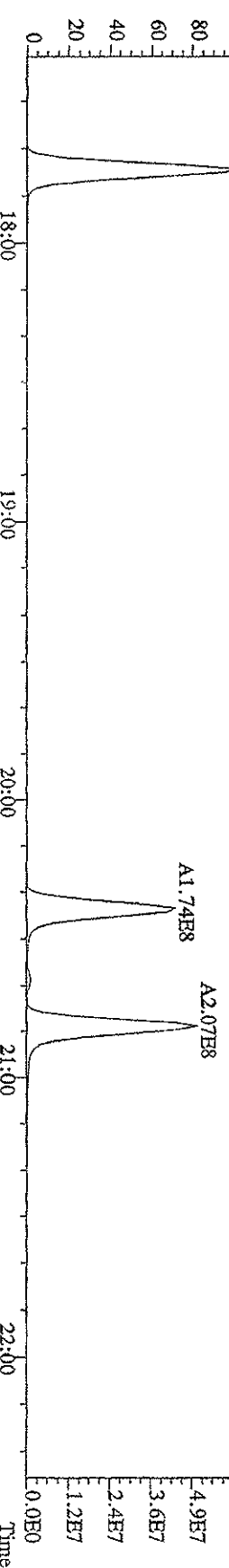
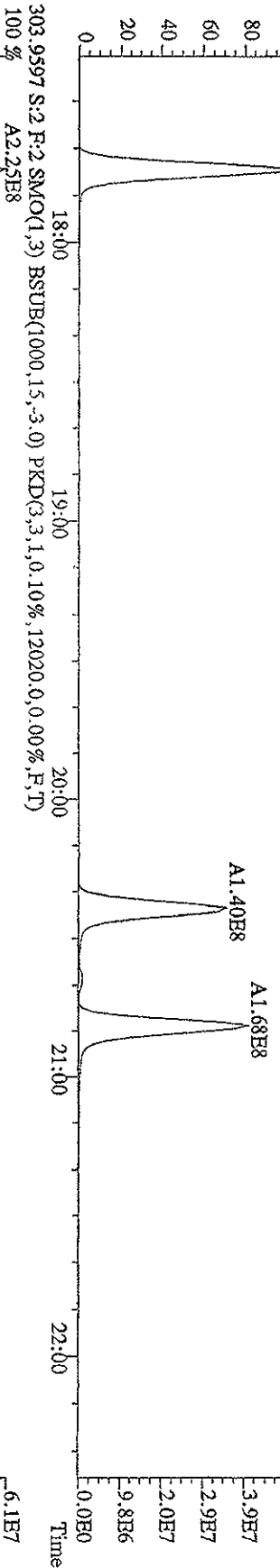
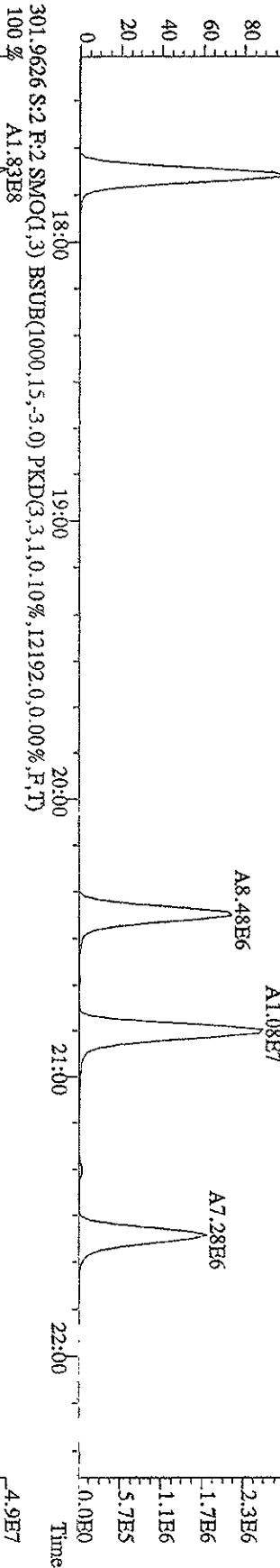
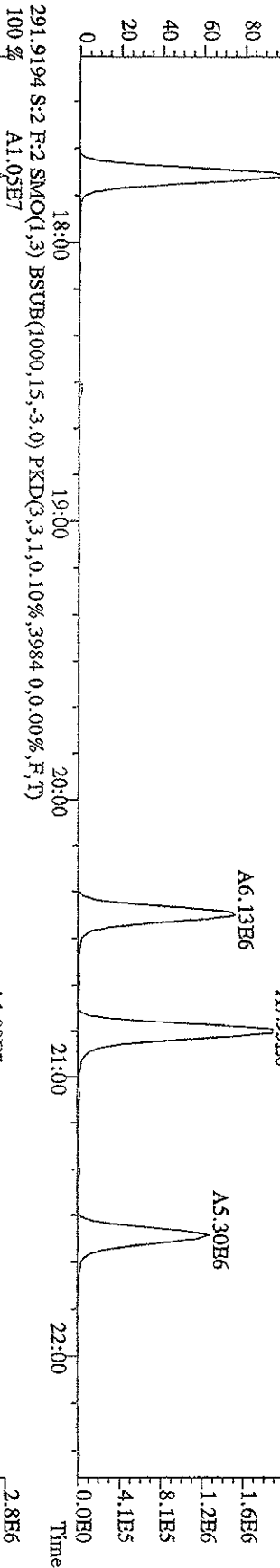
File:15IA09DD9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC RI+ Voltage STR Autospec-UltimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 257.9584 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2936,0,1.00%,R,T)



File:151A09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC:EI+ Voltage:5kV S/R:Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 255.9613 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,6728.0,1.00%,F,T)

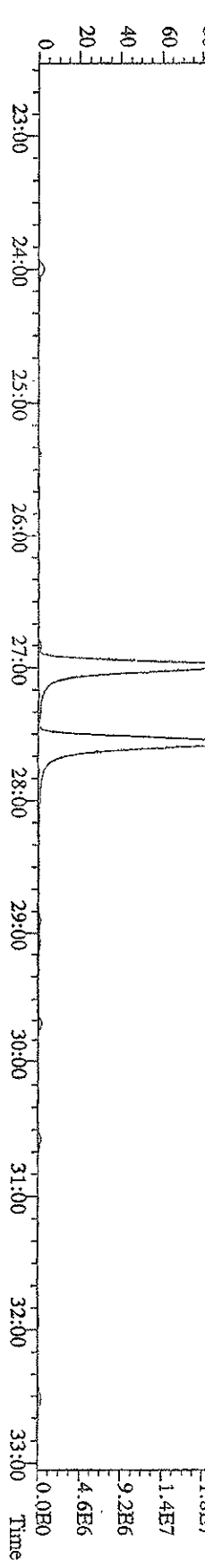
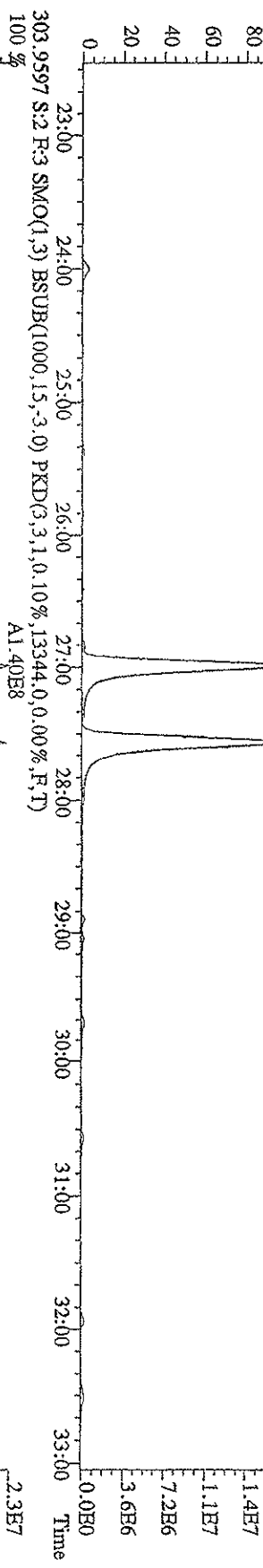
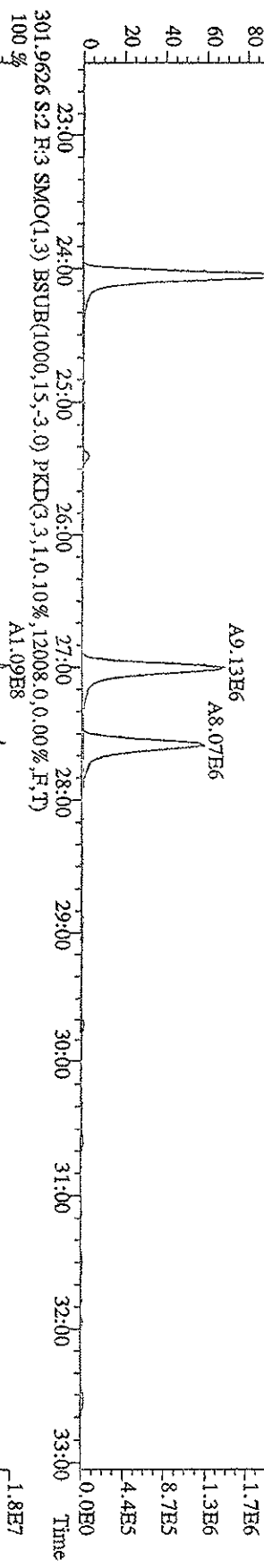
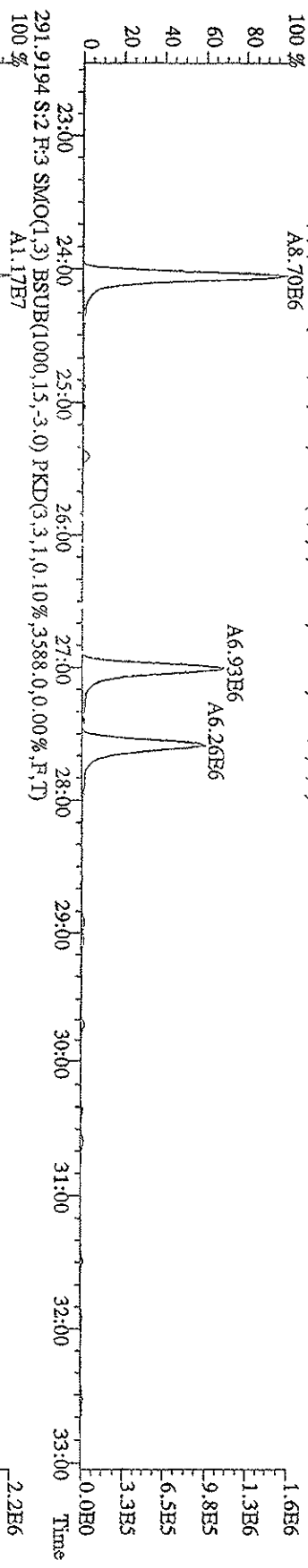


File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 21:16:36 GC HR+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 289.9224 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,712.0,0.00%,F,T)  
 100% A7.58E6

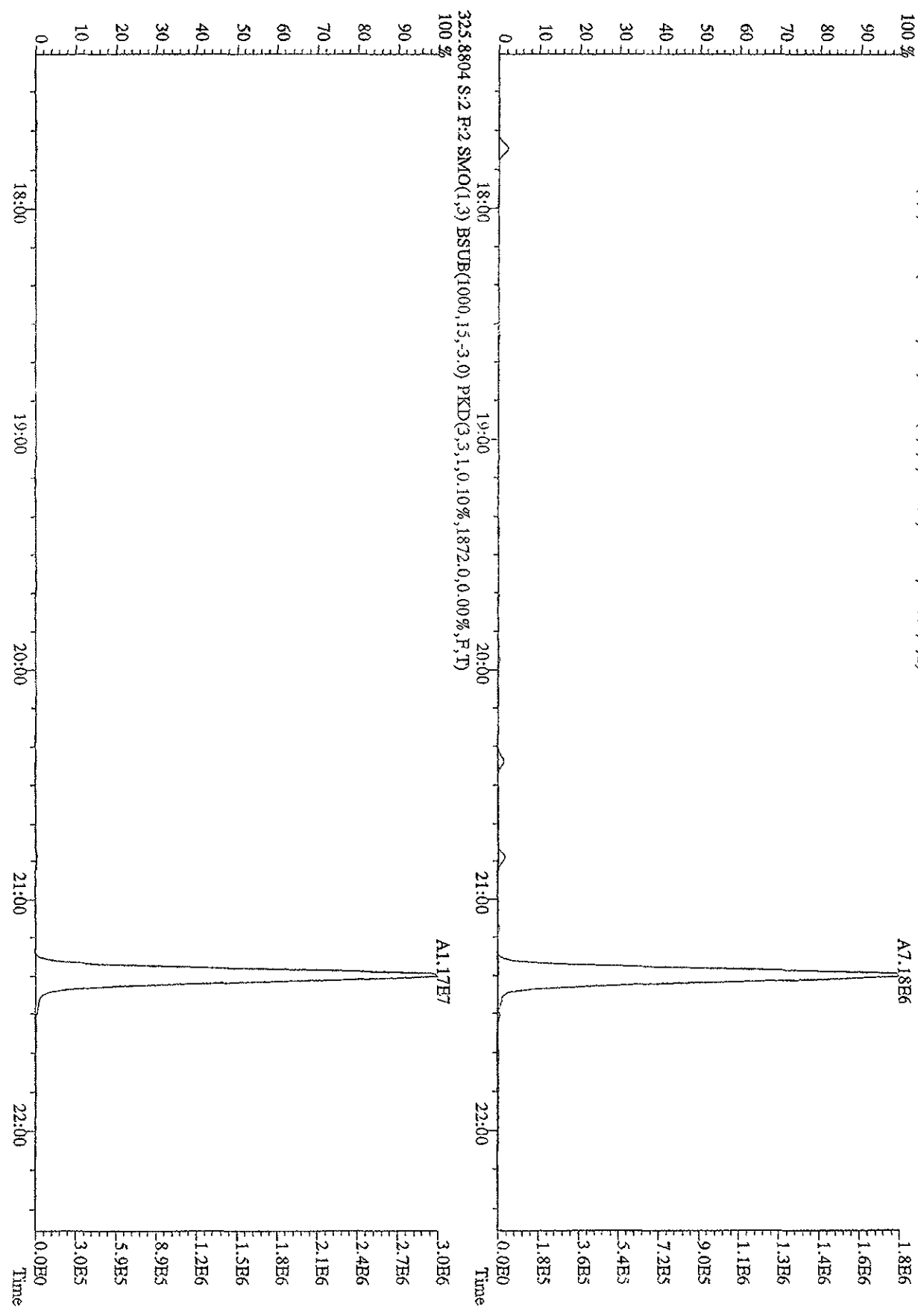




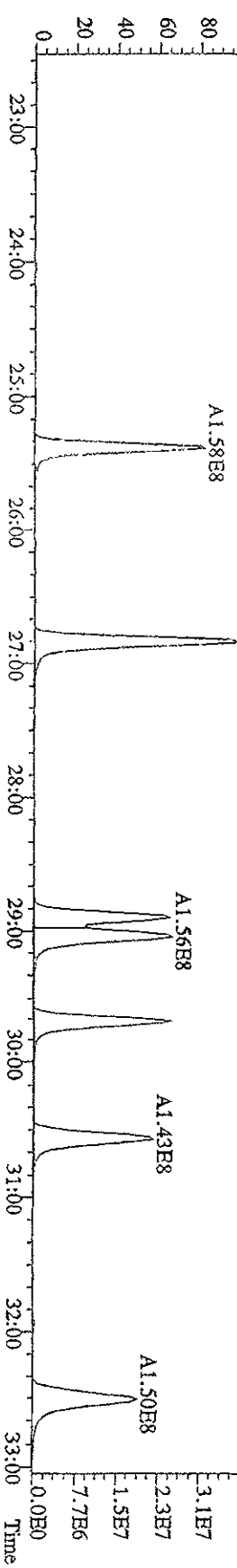
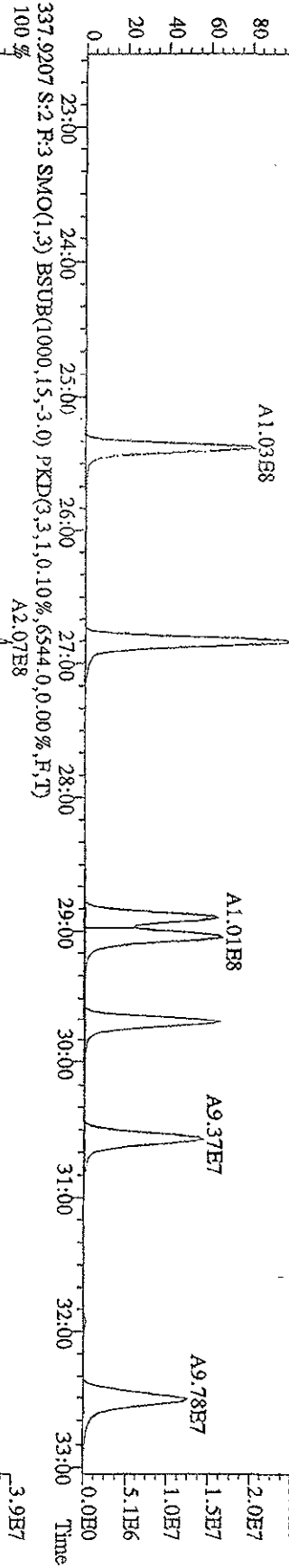
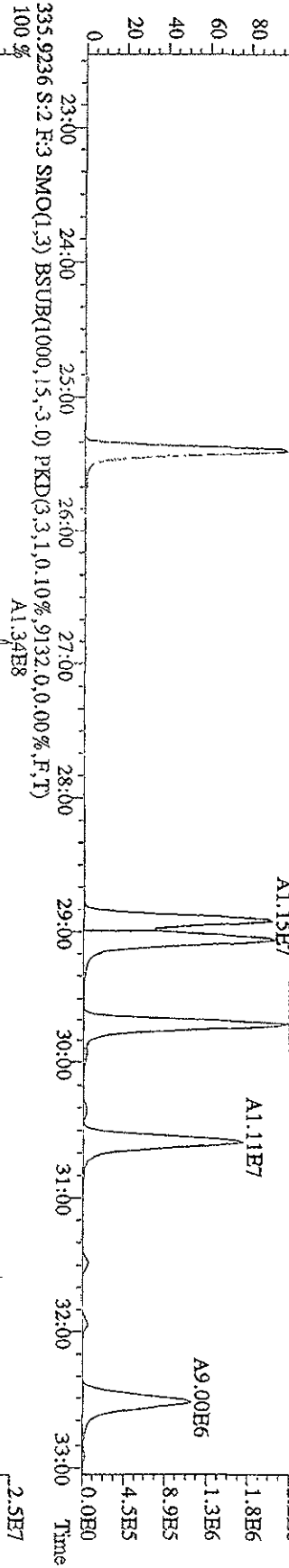
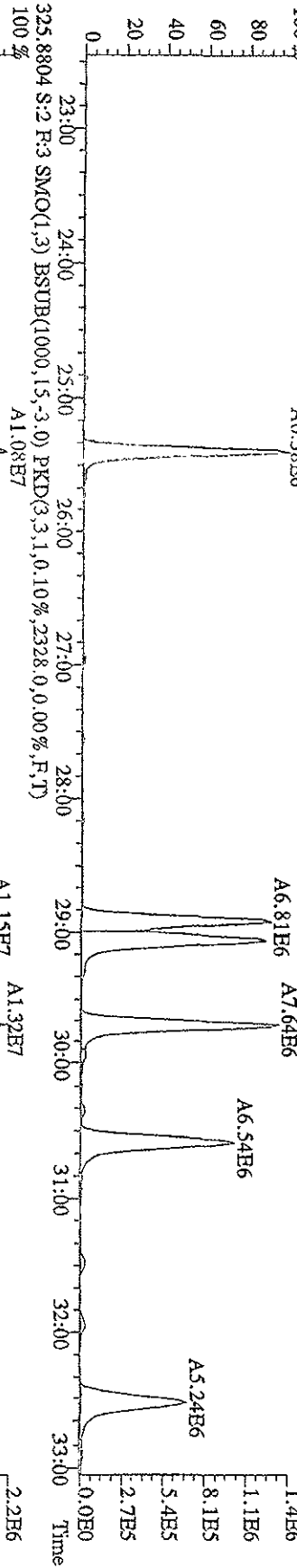
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 21:16:36 GC BI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text: ST0115A : CS2 09DXN015 Exp: 209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2360,0,0,00%,F,T)  
 100 % A8.70B6



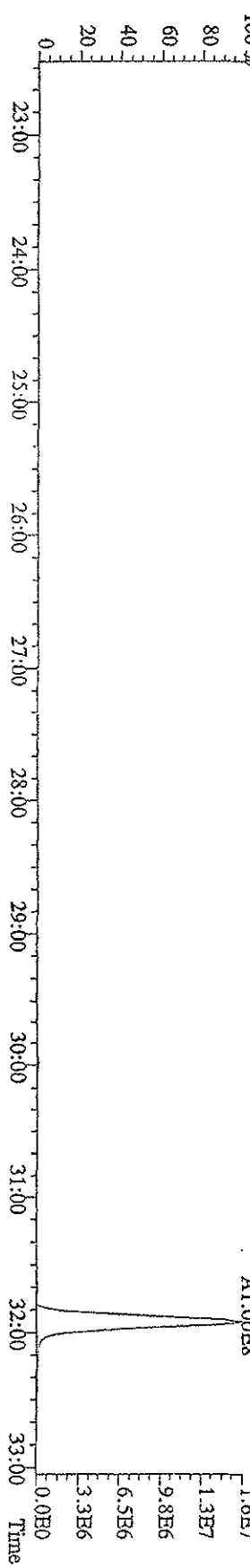
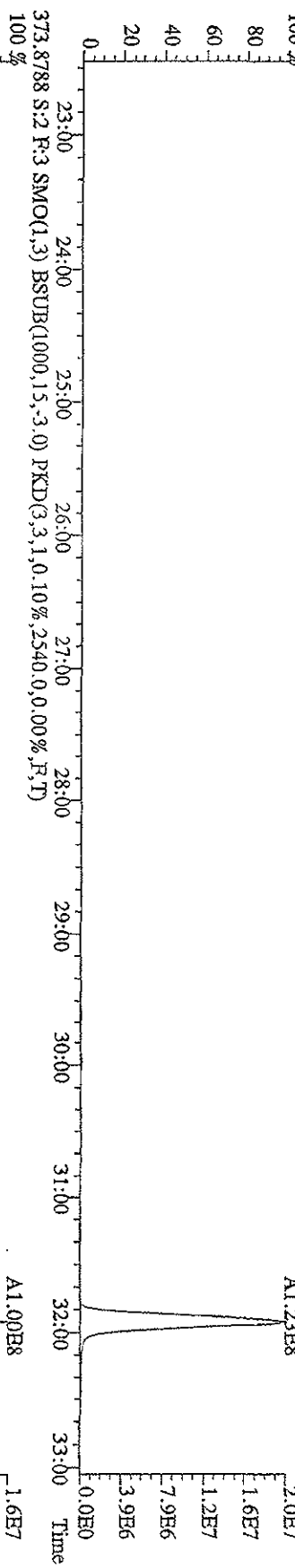
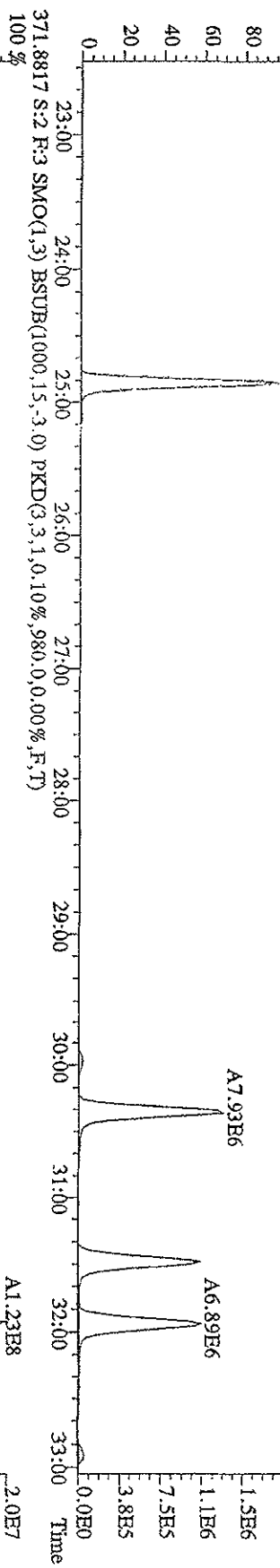
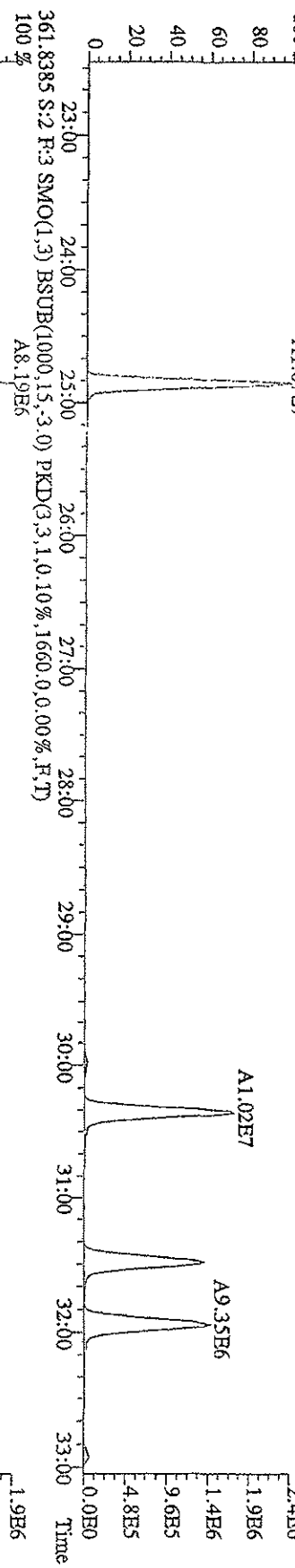
File: 151A09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC HF+ Voltage STR Autospec-UltimaB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 323.8834 S:2 F:2 SMO(1.3) BSUB(1000.15,-3.0) PKD(3,3,1,0.10%,1872.0,0.00%,F,T)  
 100%



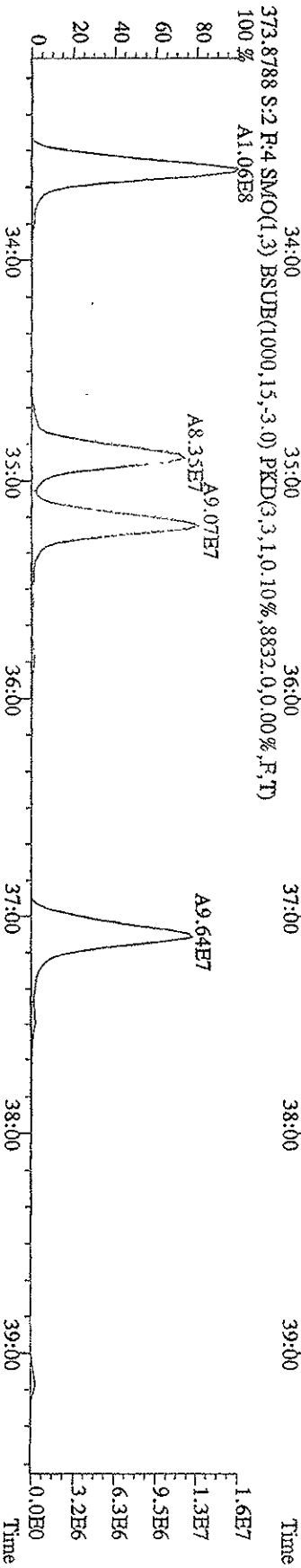
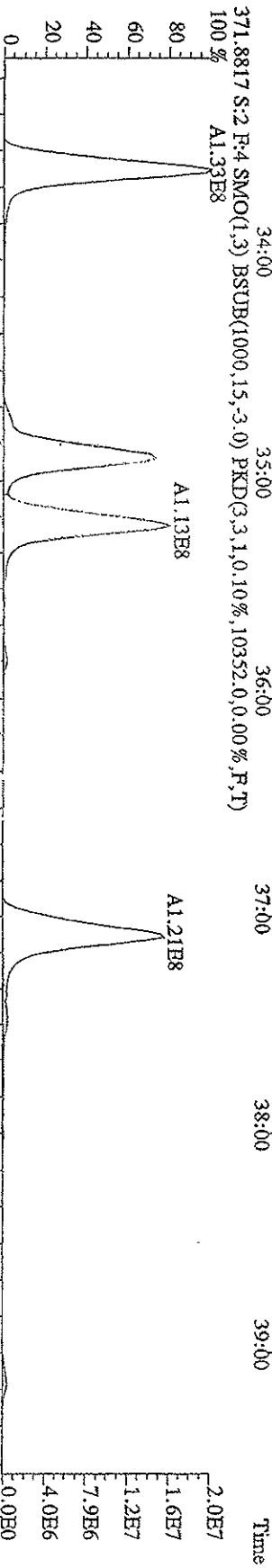
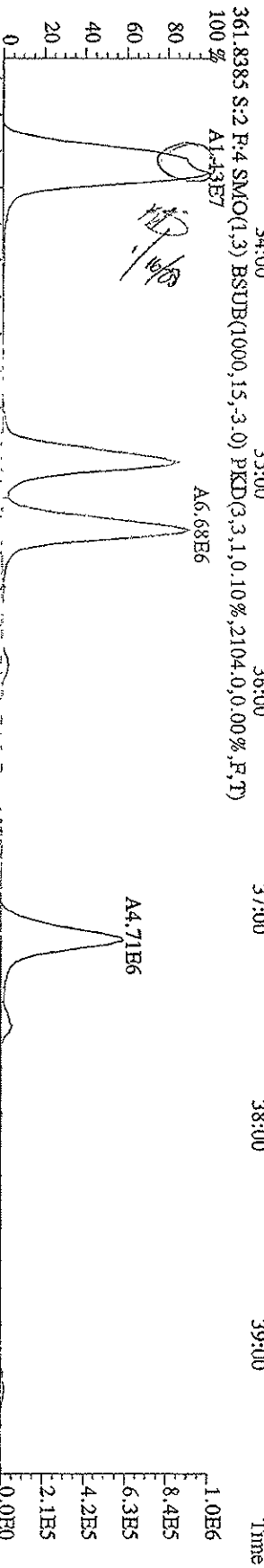
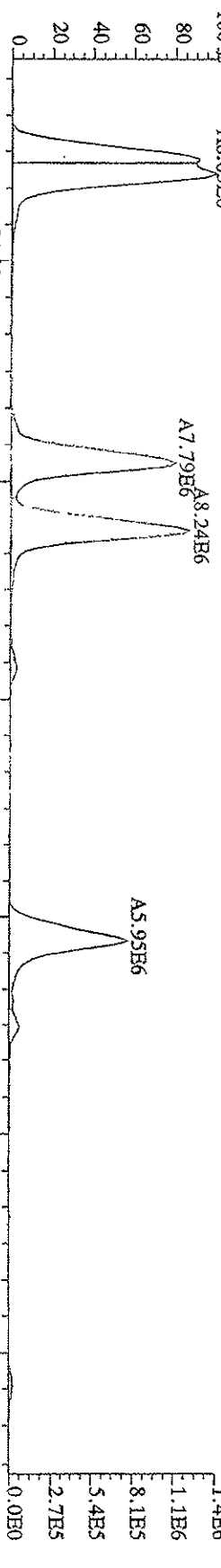
File: 151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage 51V Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209IDB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3240,0,0,00%,F,T)  
 A6.38E6



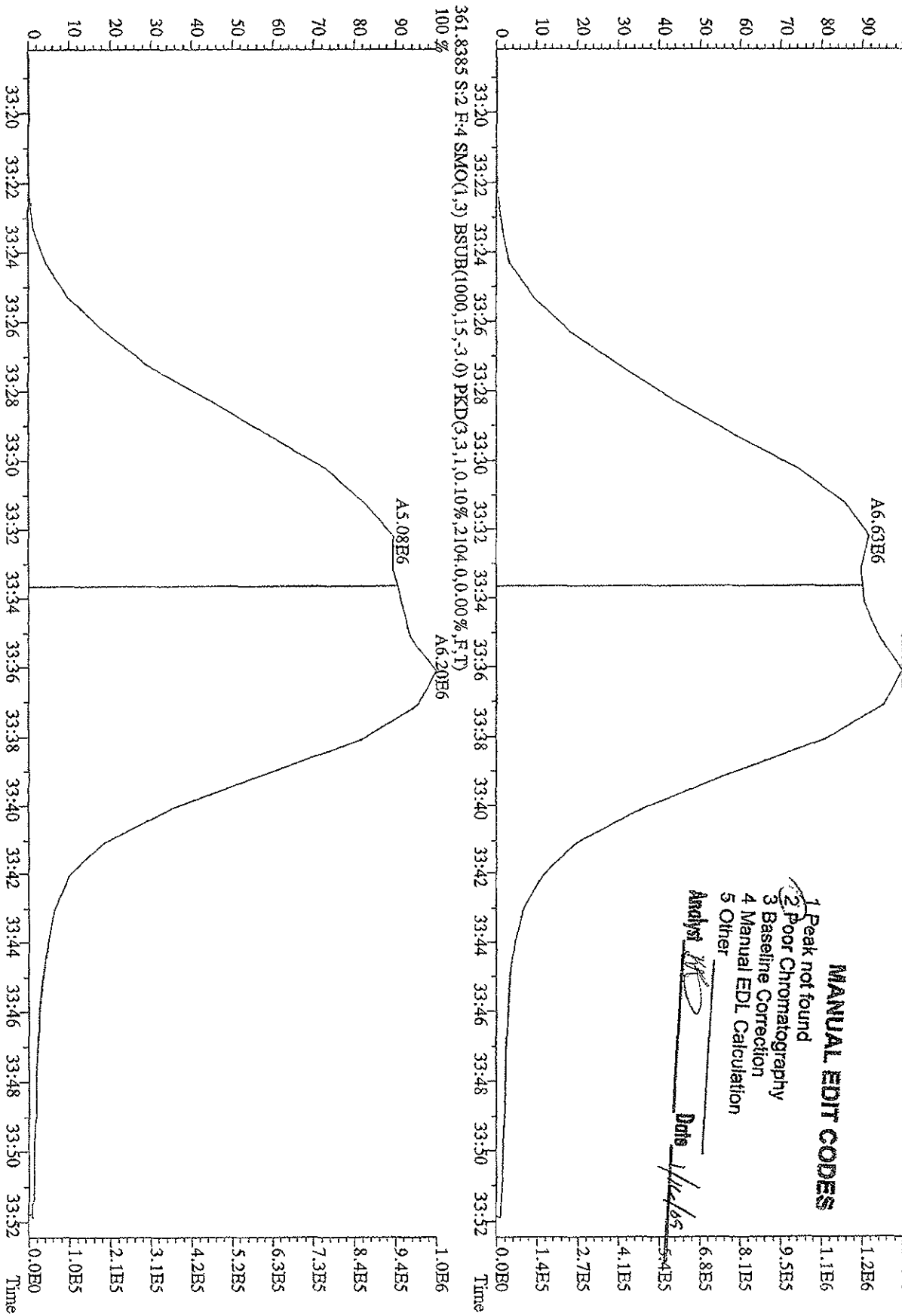
File:151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC FI+ Voltage STR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359.8415 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1556,0,0,00%,F,T)  
 100 % A1.07E7



File:151A09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2520.0,0.00%,F,T)



File: 151A09DD9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2520,0,0,00%,F,T)  
 100%

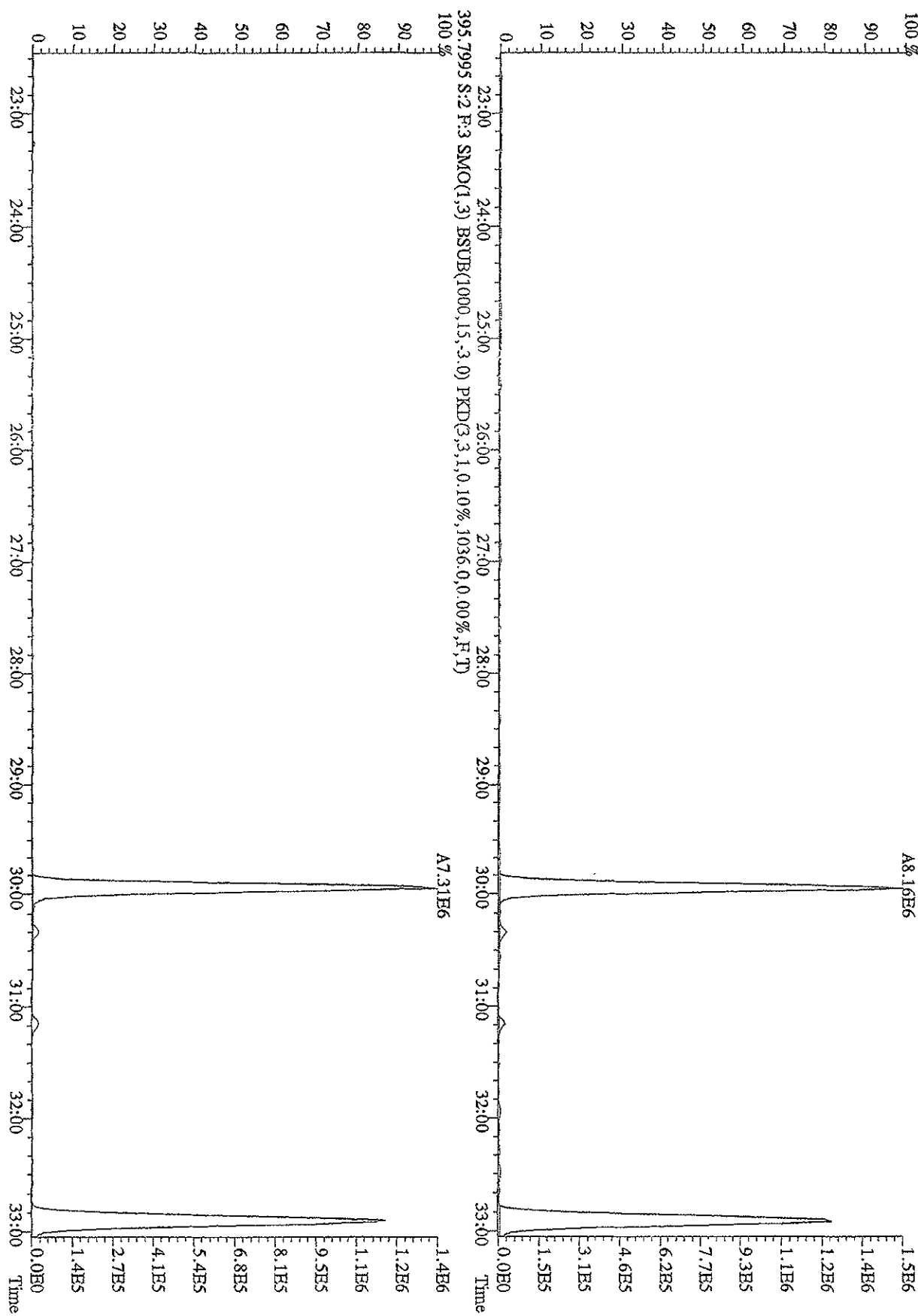


**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst W Date 1/16/05

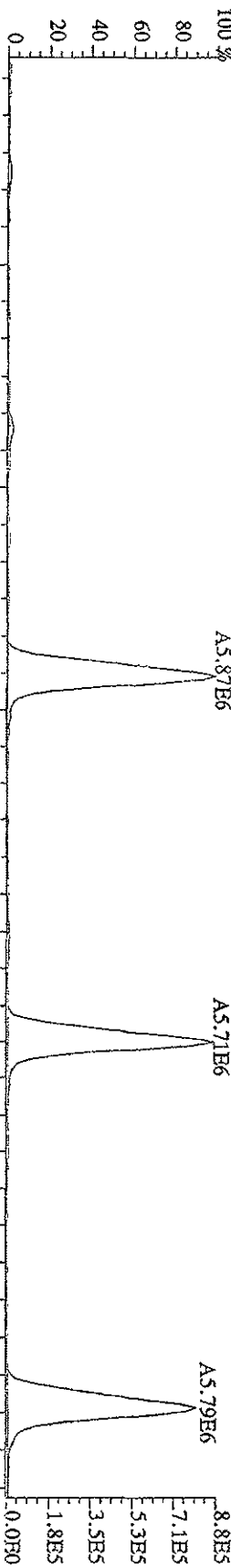
File:151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0113A :CS2 09DXN015 Exp:209DB5  
 393.8025 S:2 F:3 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,3,1,0,10%,4140,0,0,00%,F,T)



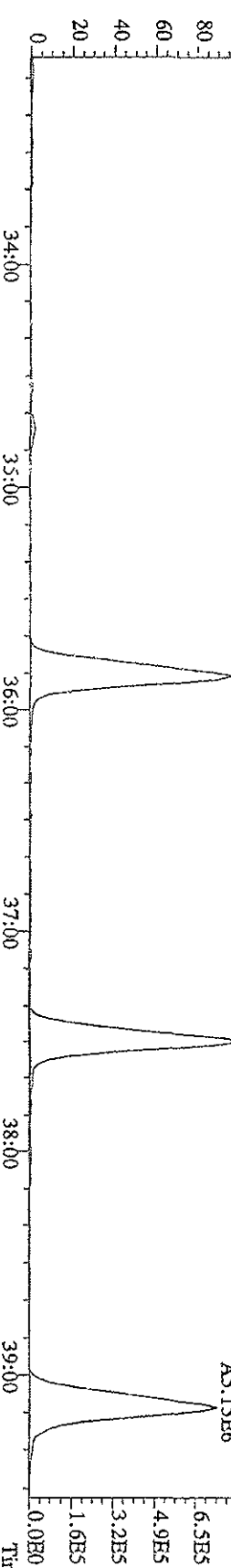
File:15IA09D9D5 #1-395 Acq:15-IAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaB

Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5

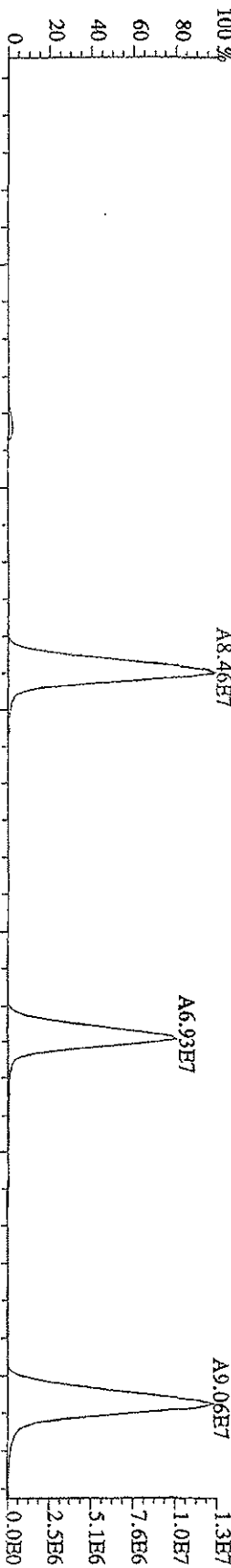
393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4600,0,0,00%,F,T)



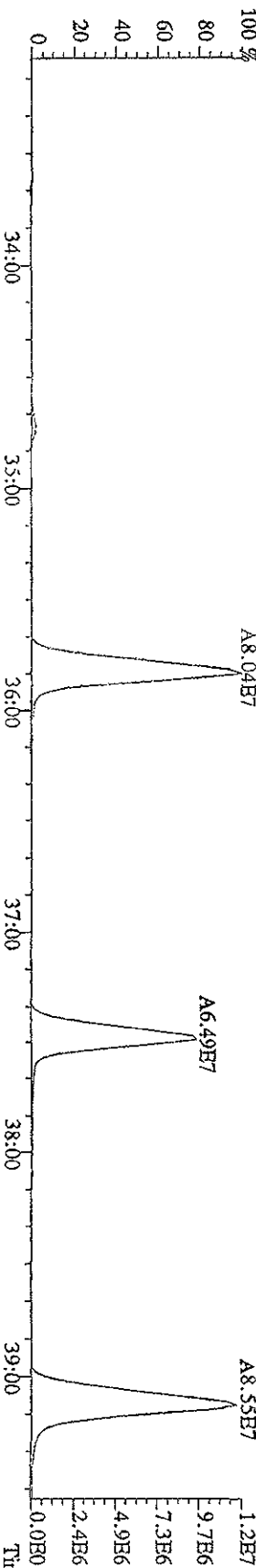
395.7995 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2052,0,0,00%,F,T)



405.8428 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4276,0,0,00%,F,T)

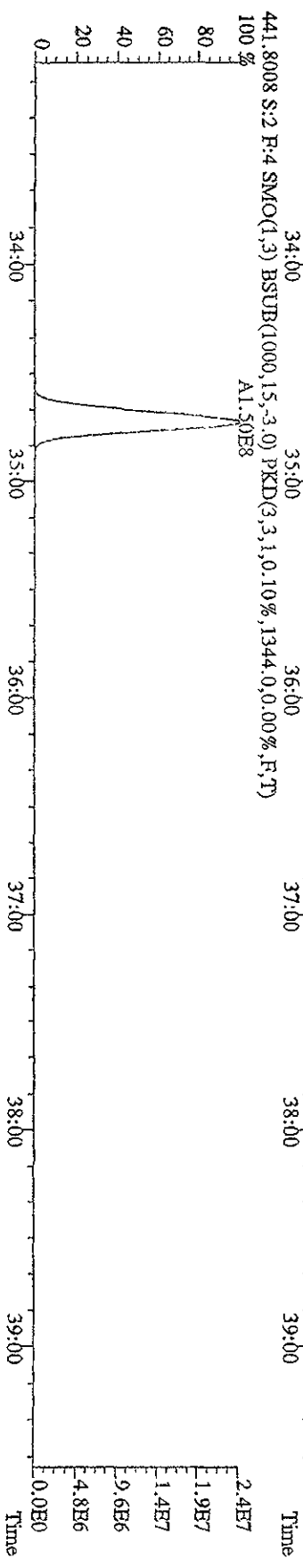
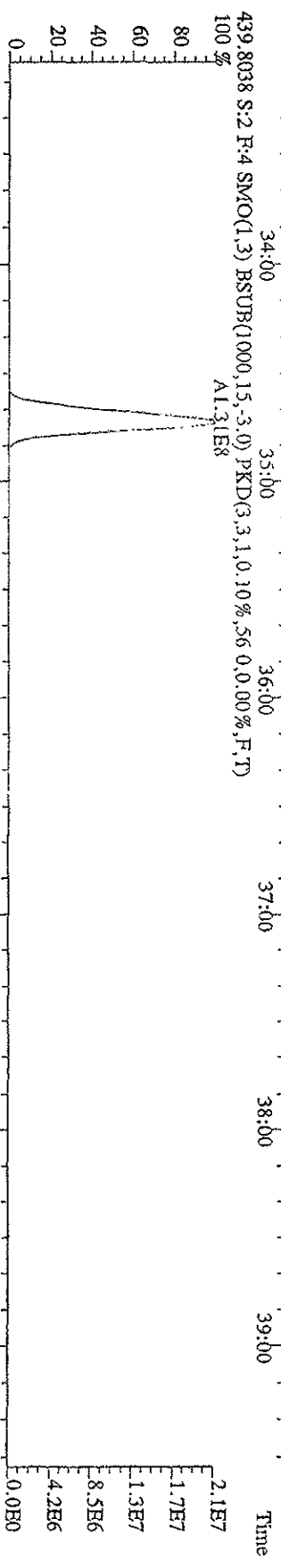
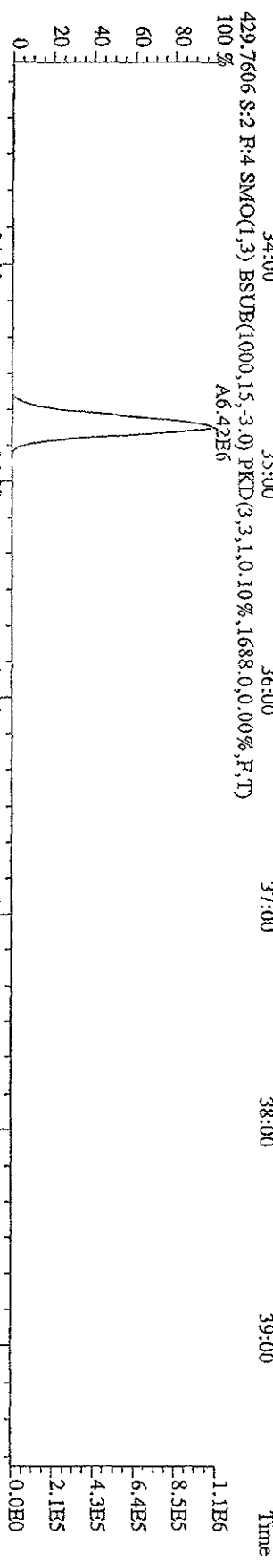
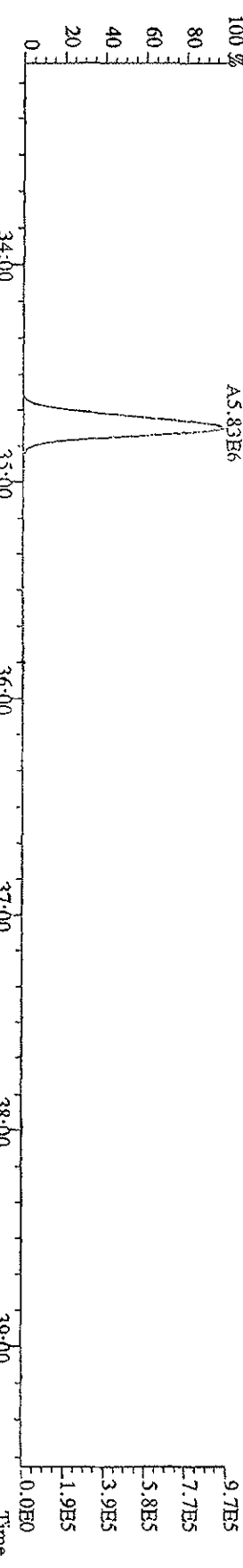


407.8398 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3548,0,0,00%,F,T)

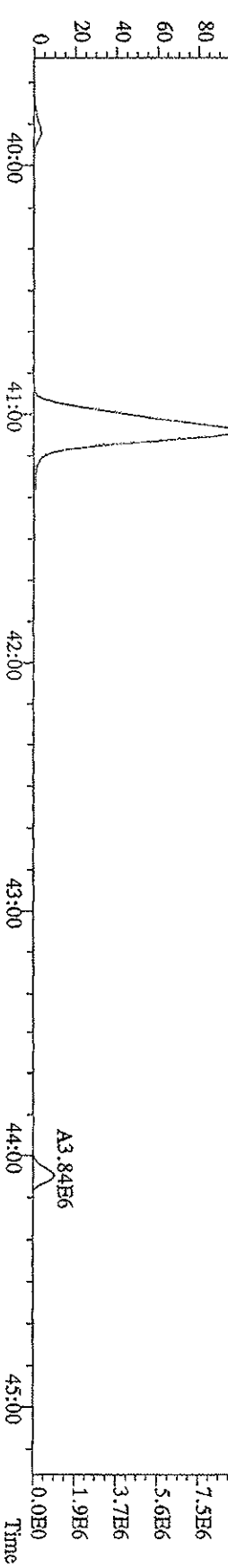
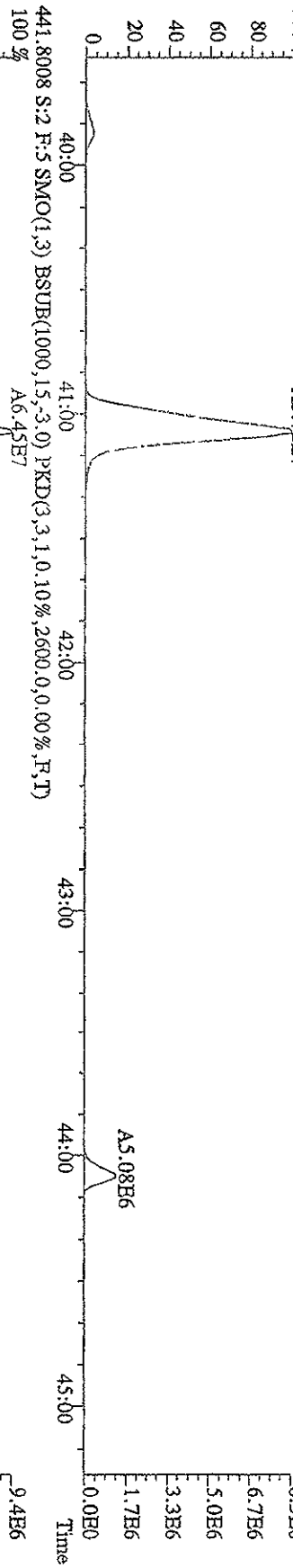
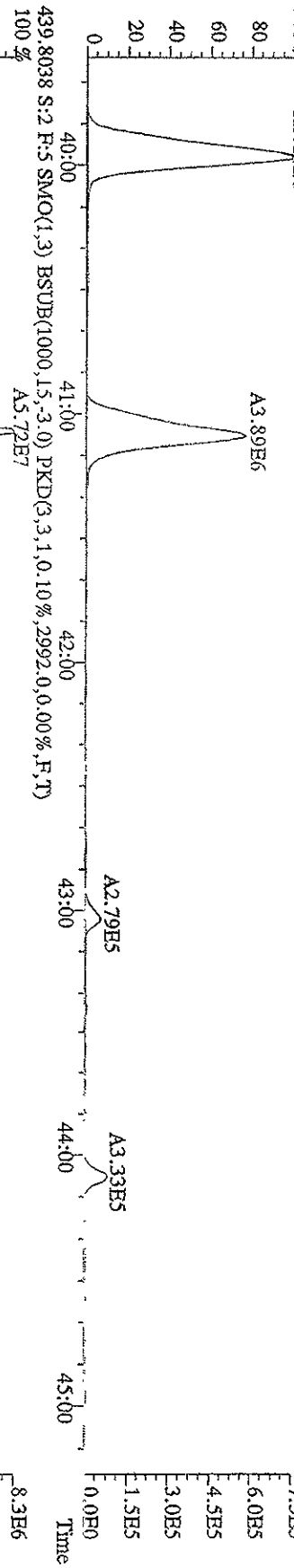
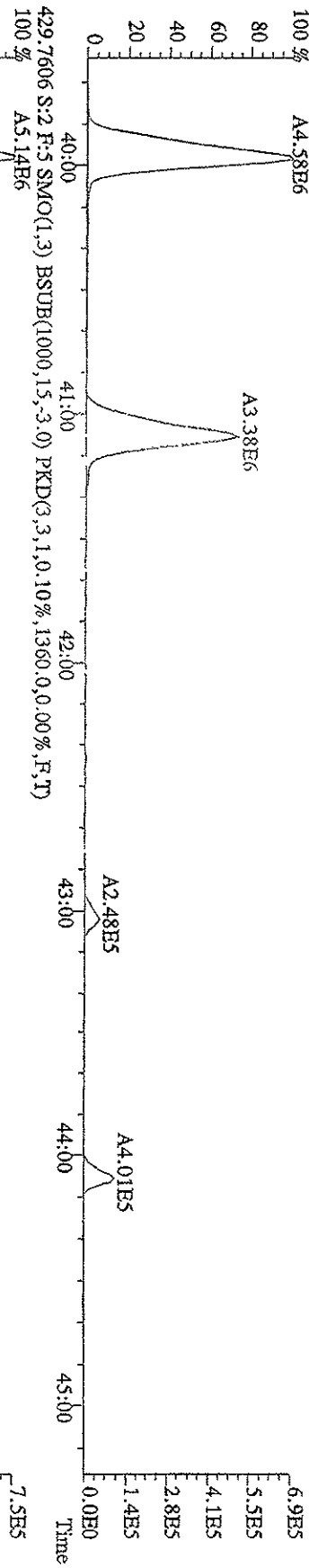




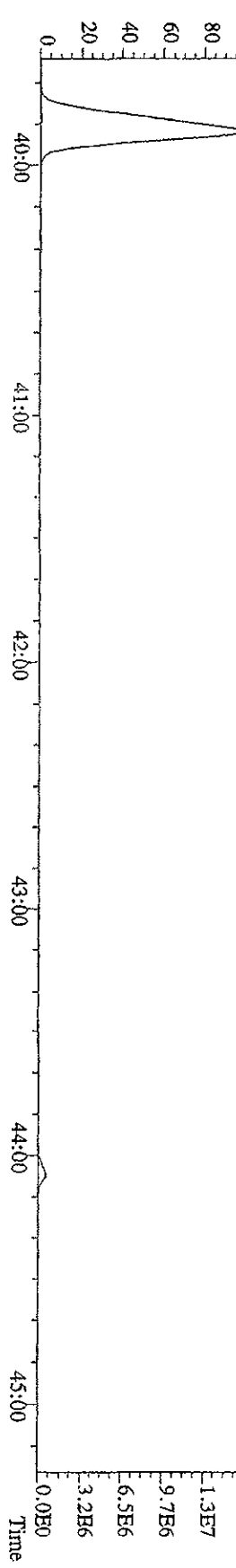
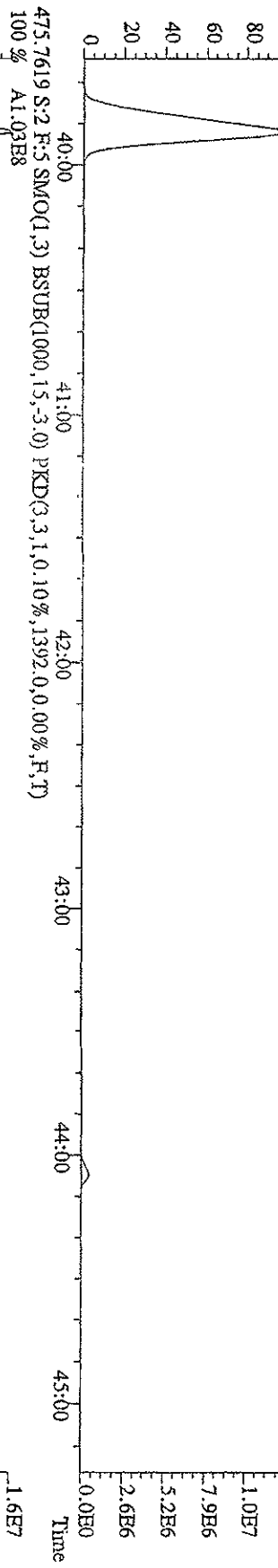
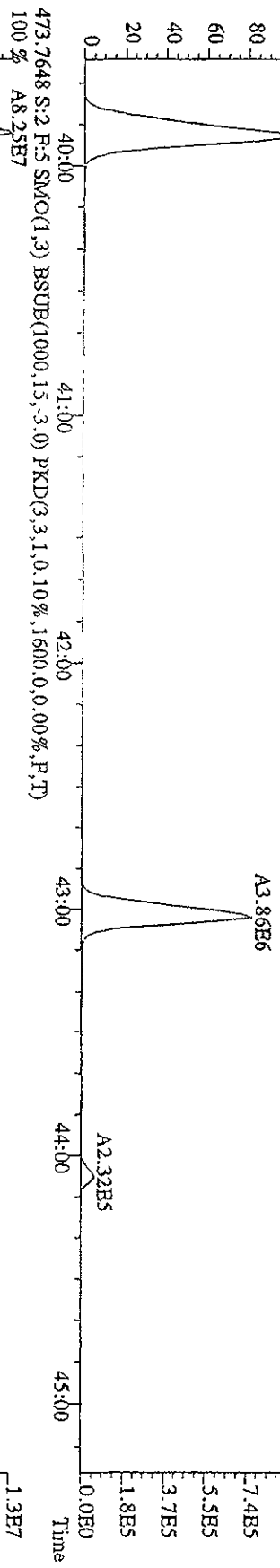
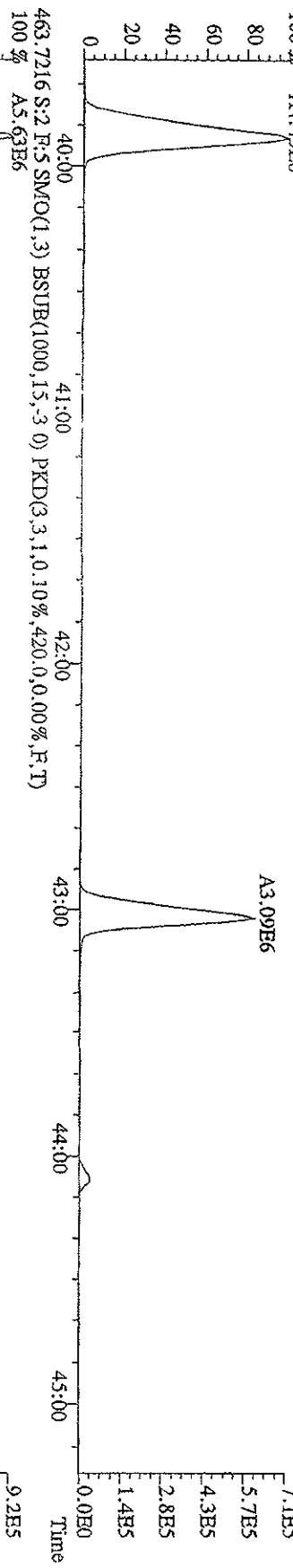
File:151A09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0113A :CS2 09DXN015 Exp:209DB5  
 427.7635 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,.316,0.0,0.00%,F,T)  
 100 % A5.83E6



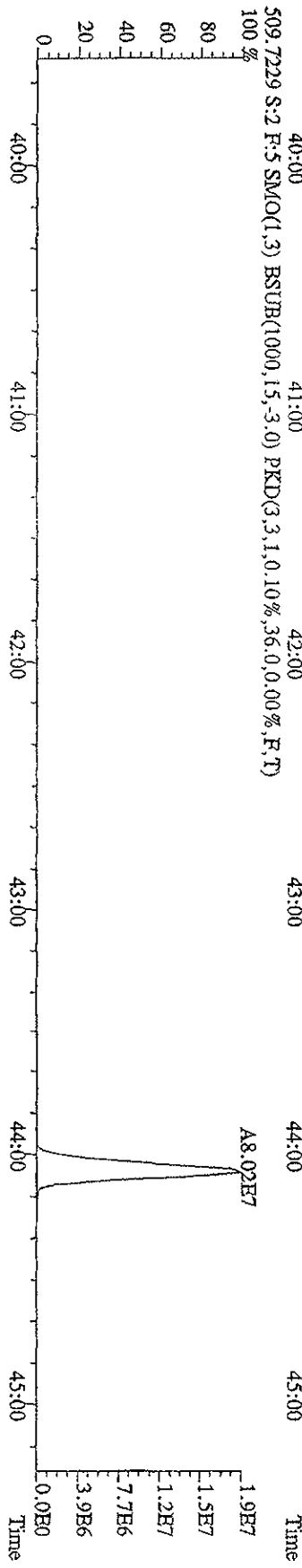
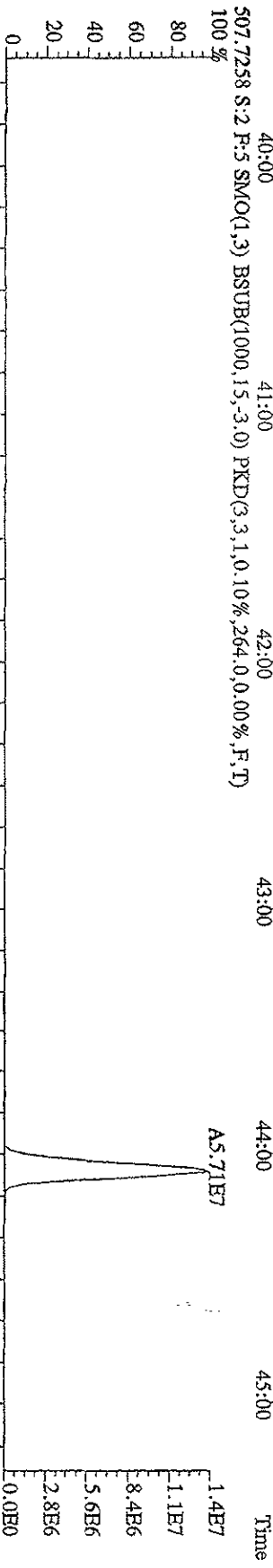
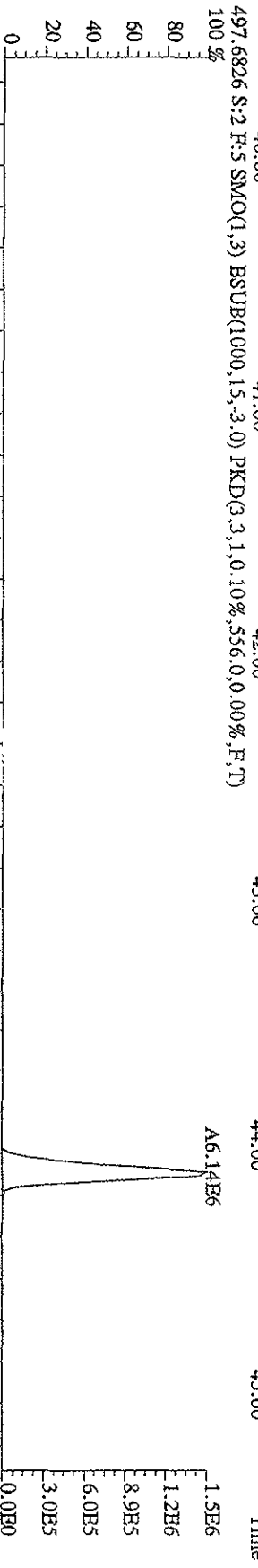
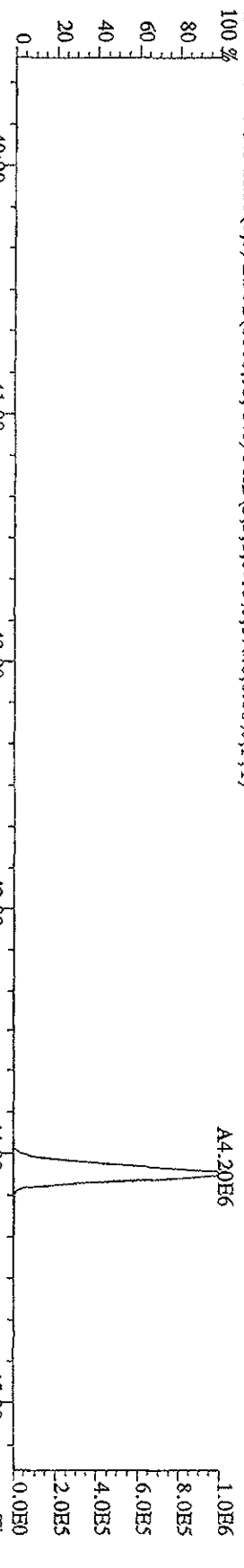
File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 427.7635 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,592.0,0.00%,F,T)  
 100%



File: 151A09D9D5 #1-379 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0115A : CS2 09DXN015 Exp: 209DB5  
 461.7245 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,460.0,0.00%,F,T)  
 100 % A4.45E6



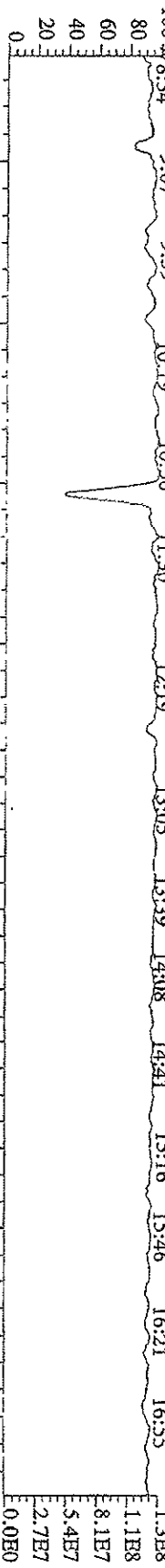
File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC BI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 495.6856 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,876.0,0.00%,F,T)



File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-Ultimate

Sample#2 Text: ST0115A : CS2 09DXN015 Exp: 209DB5

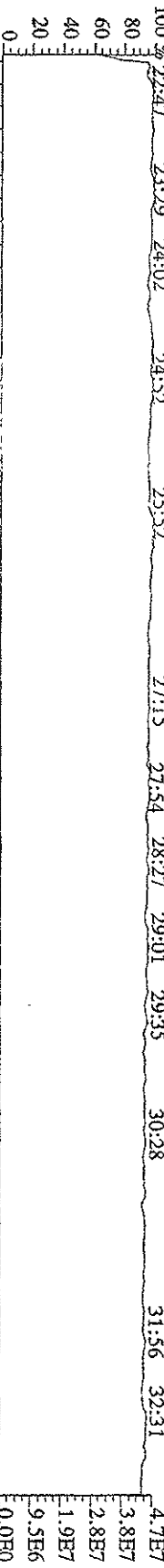
218.9856 S:2 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



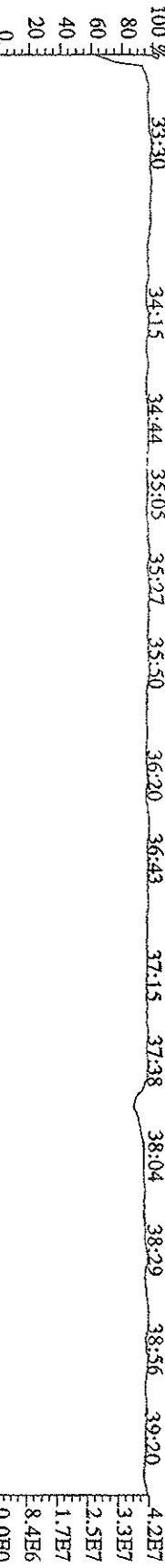
330.9792 S:2 F:2 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



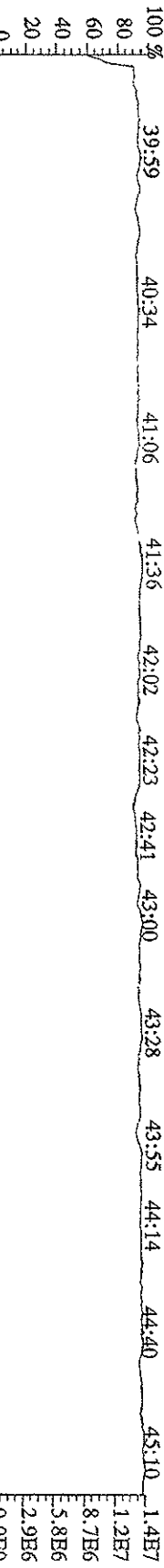
380.9760 S:2 F:3 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



380.9760 S:2 F:4 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



480.9696 S:2 F:5 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate

Sample#3 Text:ST0115B :CS3 09DXN016

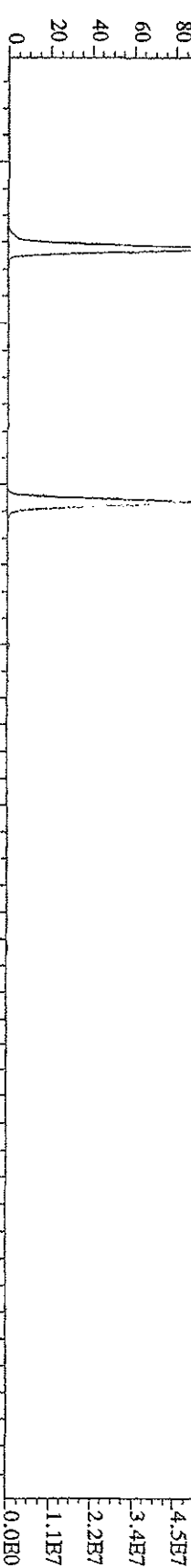
Exp:209DB5

190.0363 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5036,0,0,00%,F,T)

100 %

A1.85E8

A1.60E8

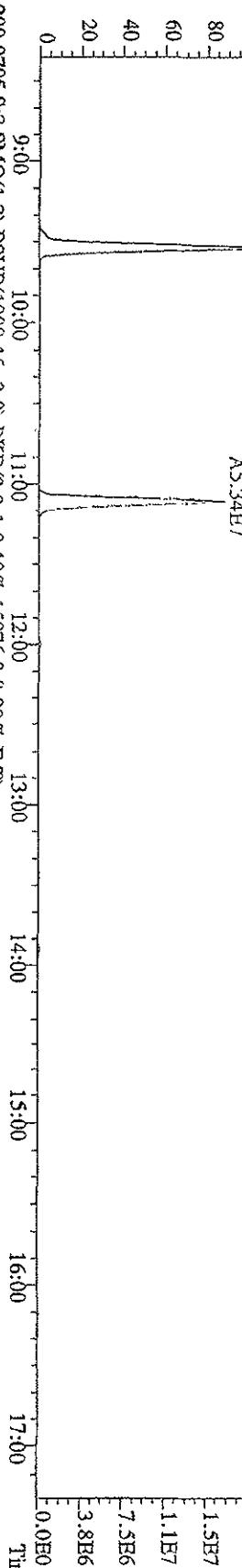


190.0363 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5036,0,0,00%,F,T)

100 %

A6.23E7

A5.34E7

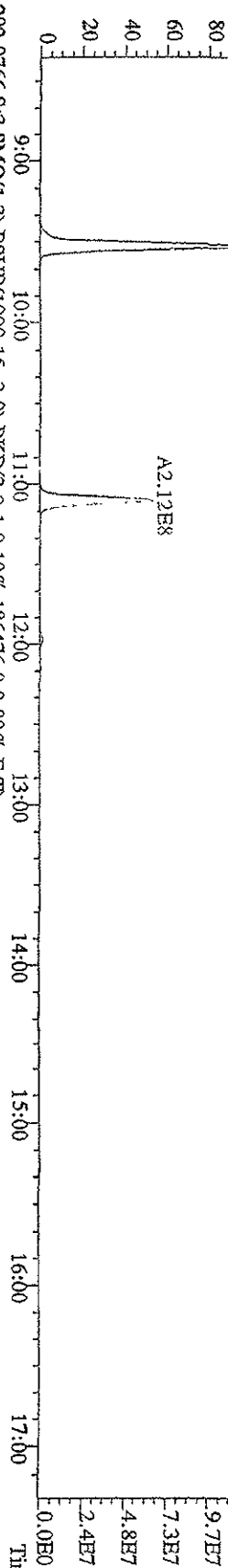


200.0795 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,15976,0,0,00%,F,T)

100 %

A3.87E8

A2.12E8

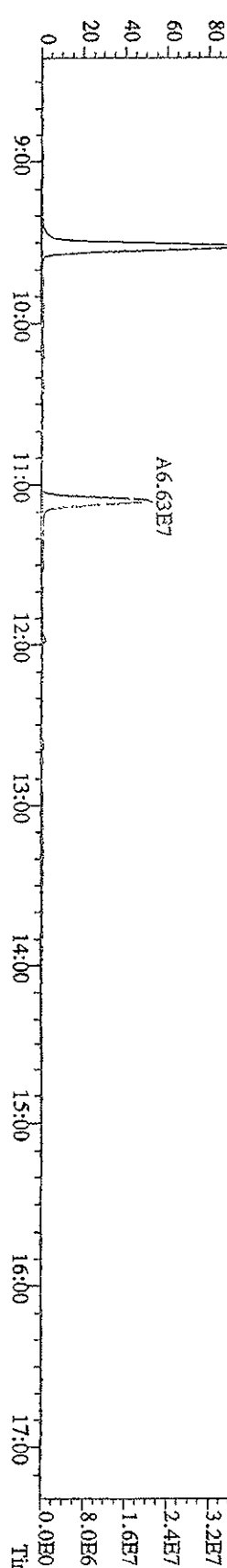


202.0766 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,186476,0,0,00%,F,T)

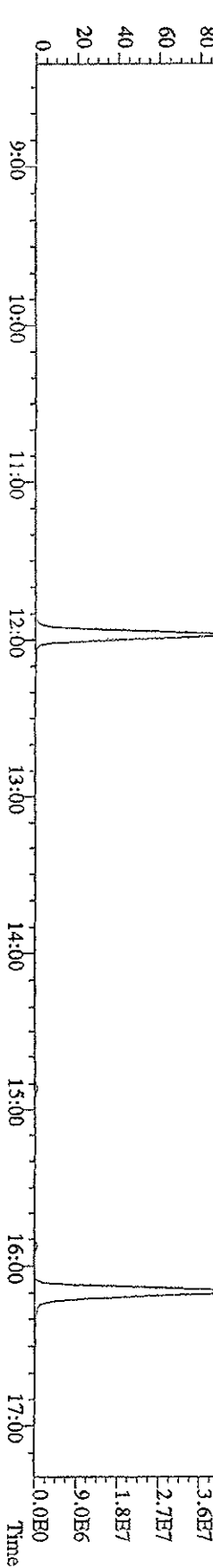
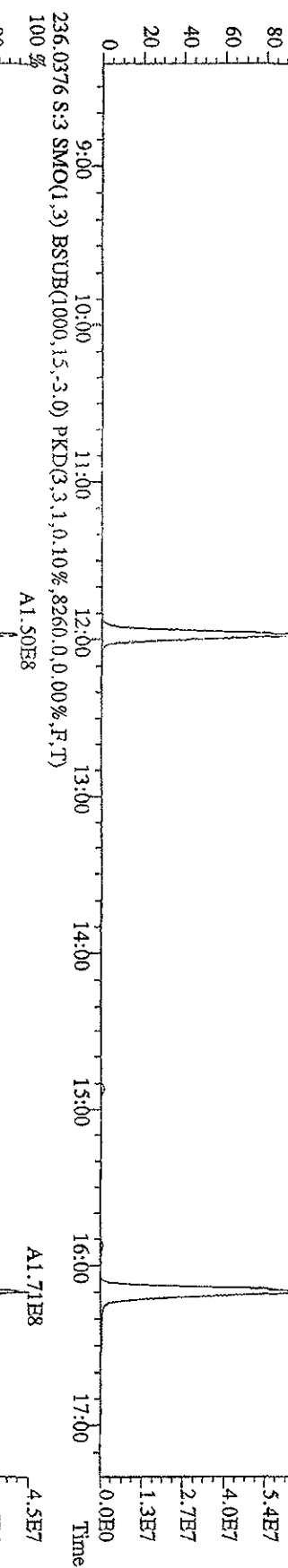
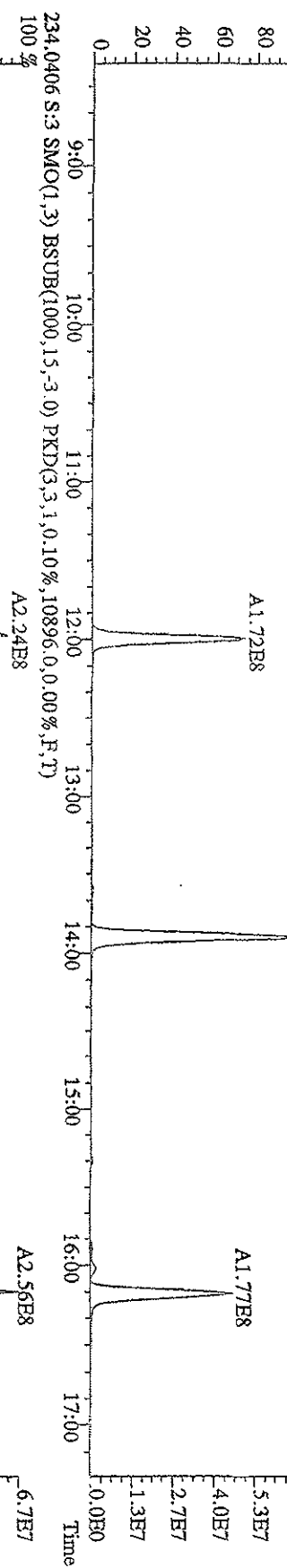
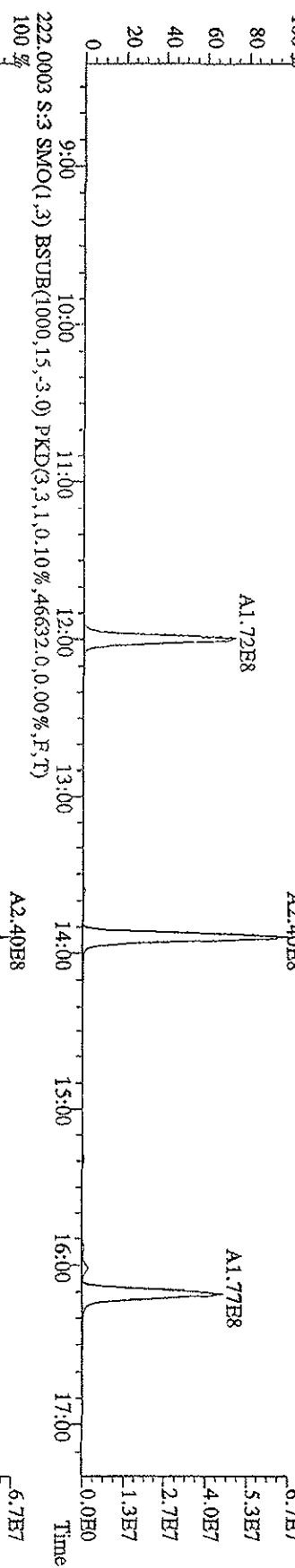
100 %

A1.28E8

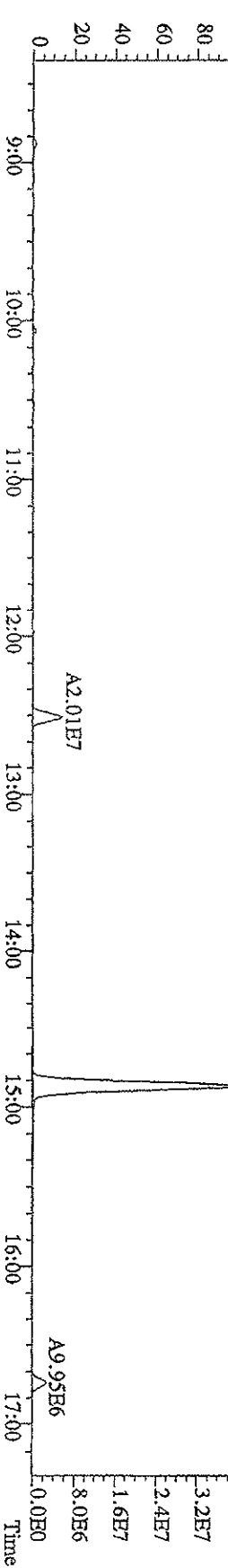
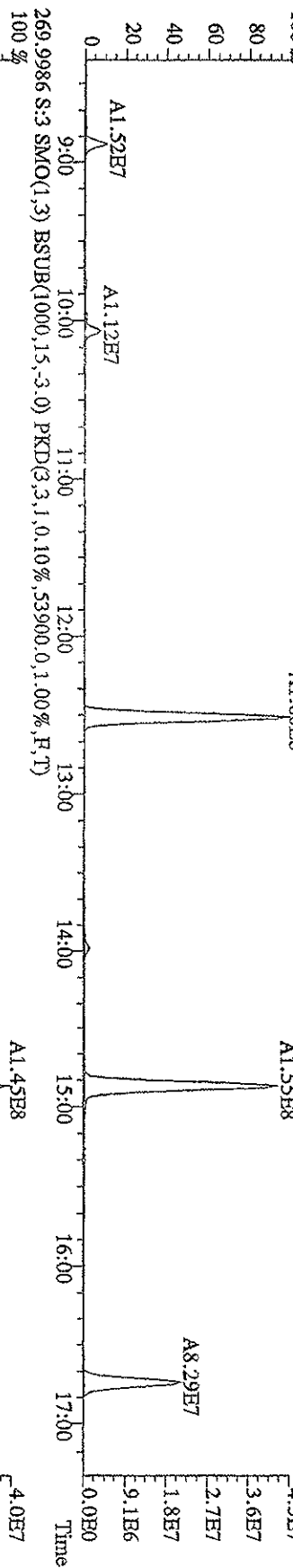
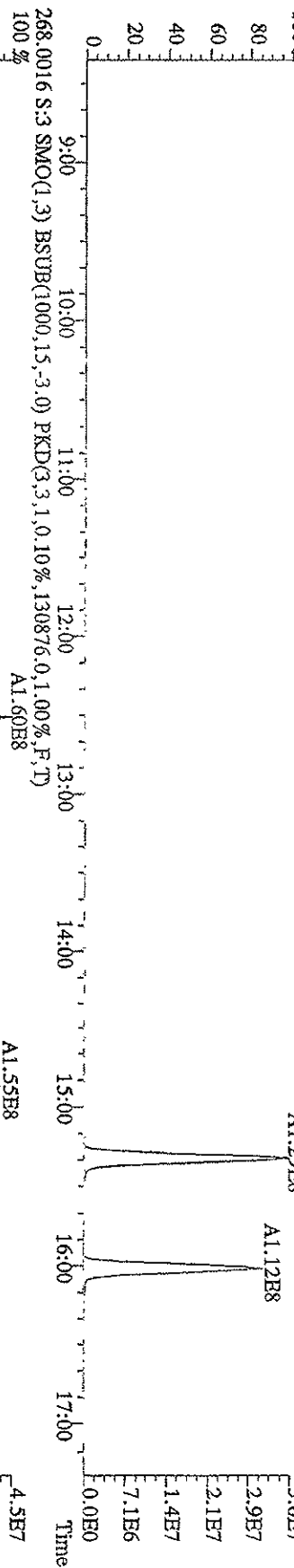
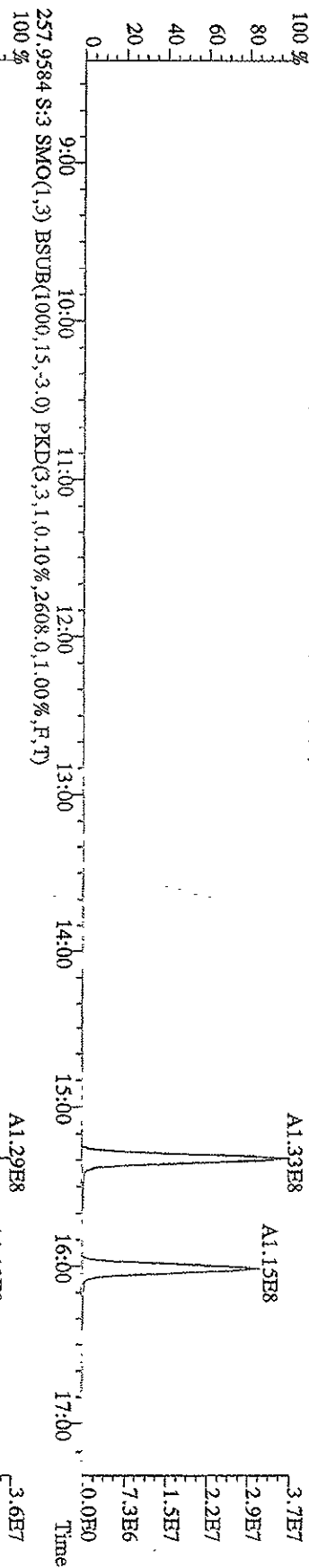
A6.63E7



File: 151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIP Autospec-UHhnaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 222.0003 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,46632,0,0,00%,F,T)

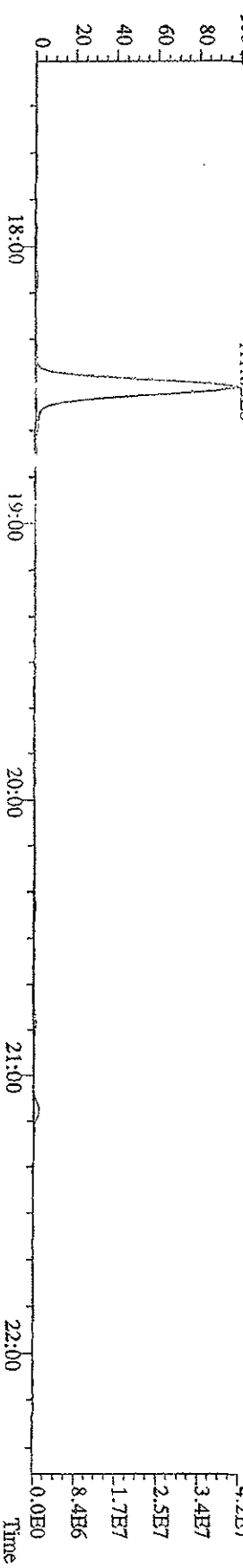
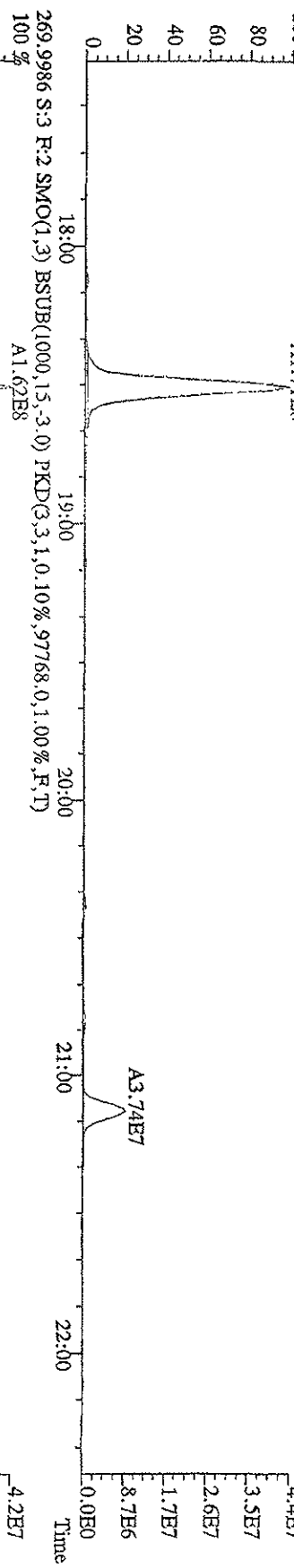
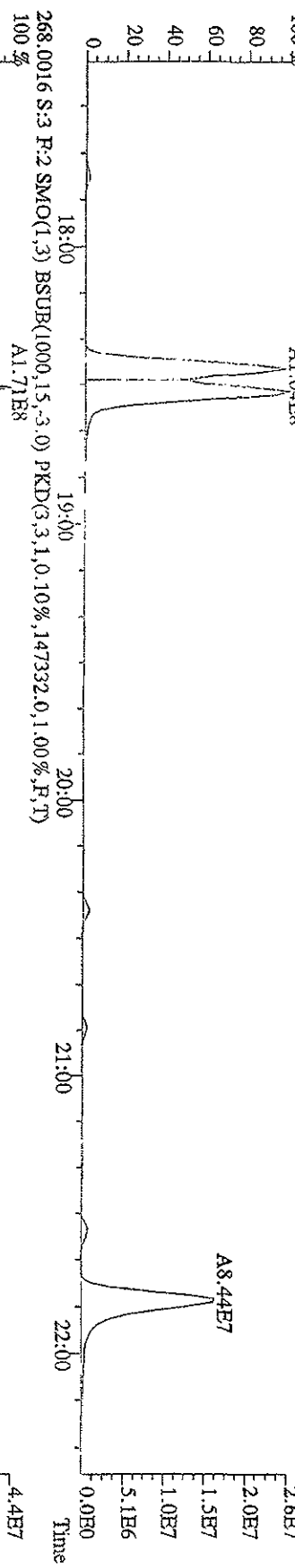
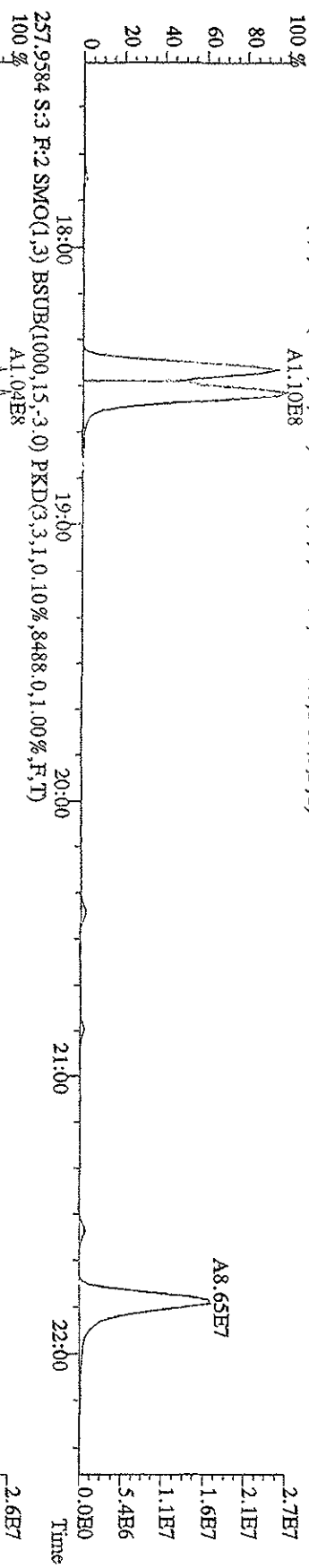


File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC FI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 255.9613 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3.1,0.10%,.5848,0.1,00%,F,T)





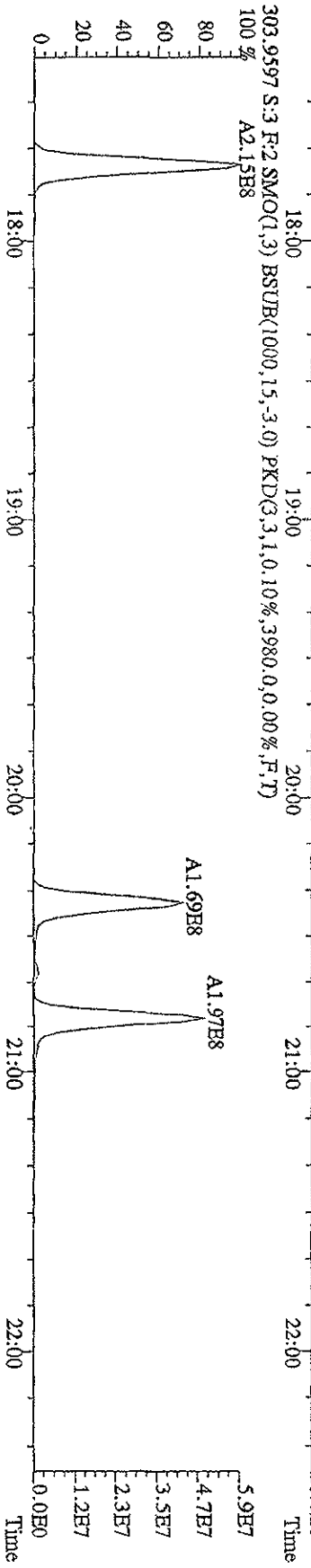
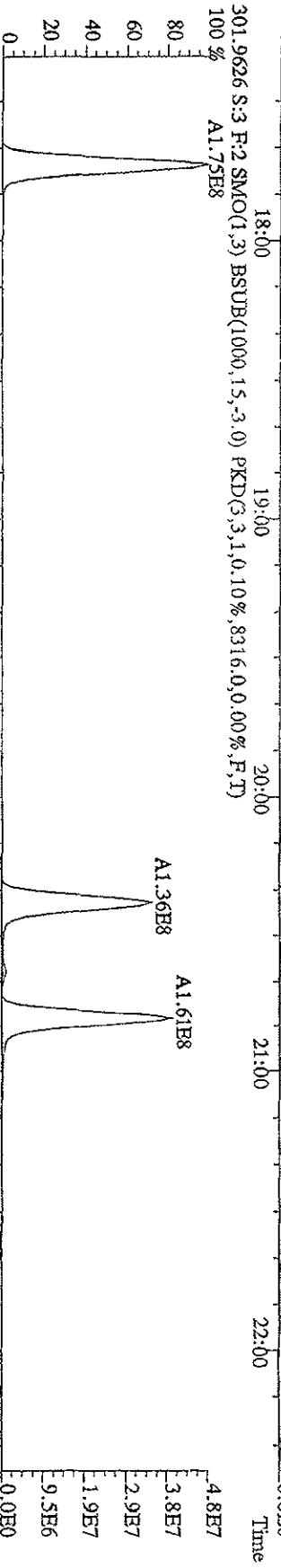
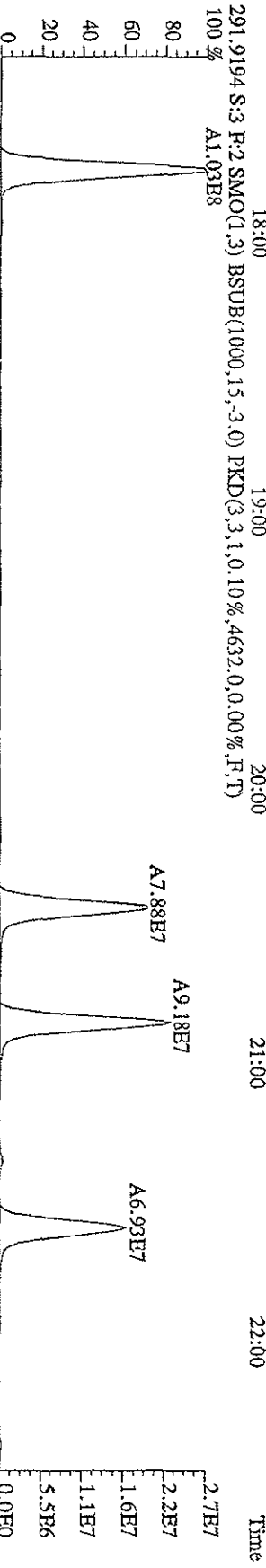
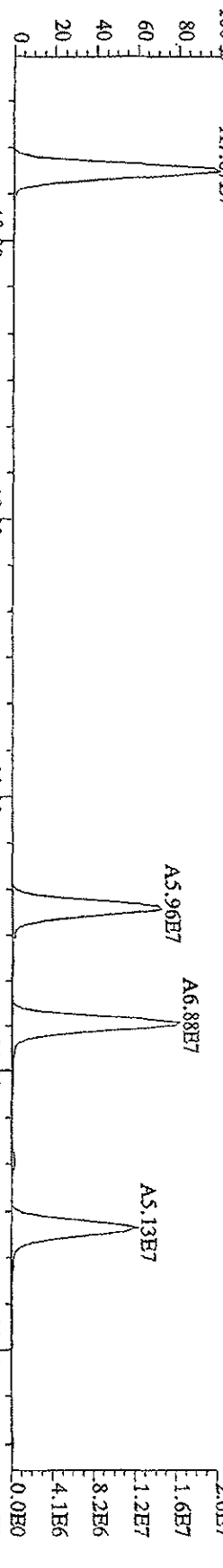
File:15TA09D9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 255.9613 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10996,0,1,00%,F,T)  
 100%



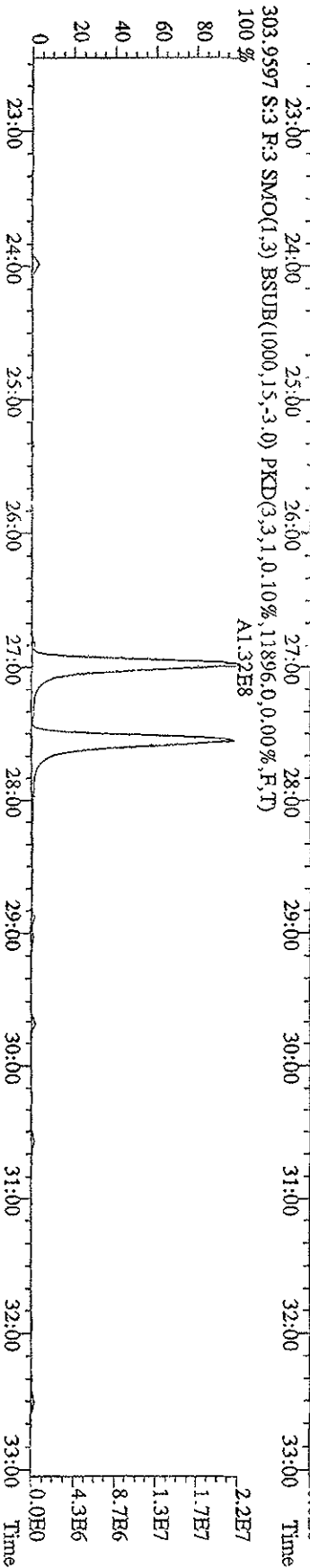
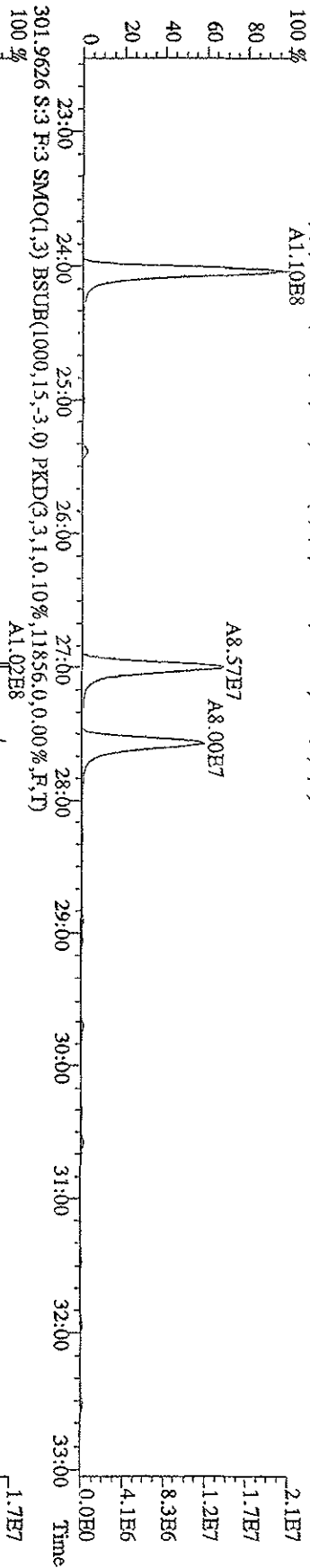
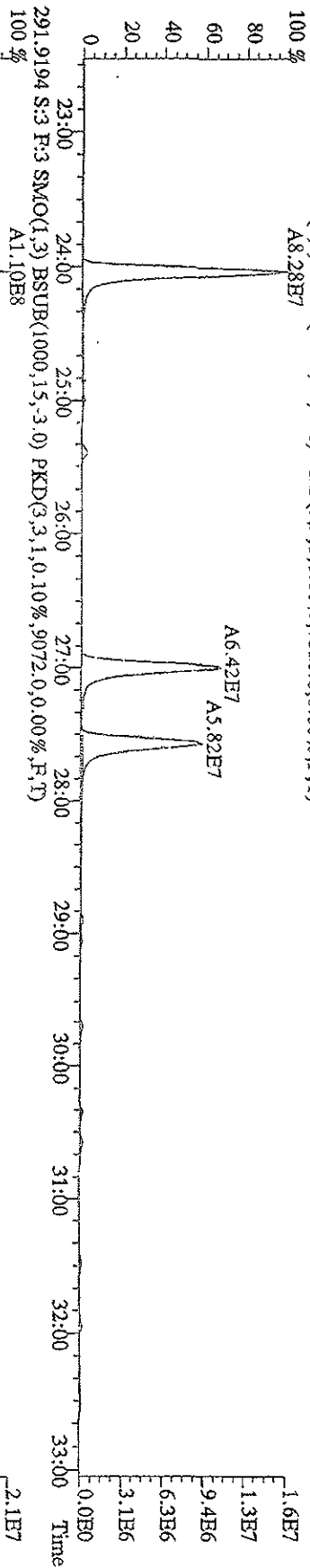
File:15TA09D9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage S1R Autospec-UltimaE

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

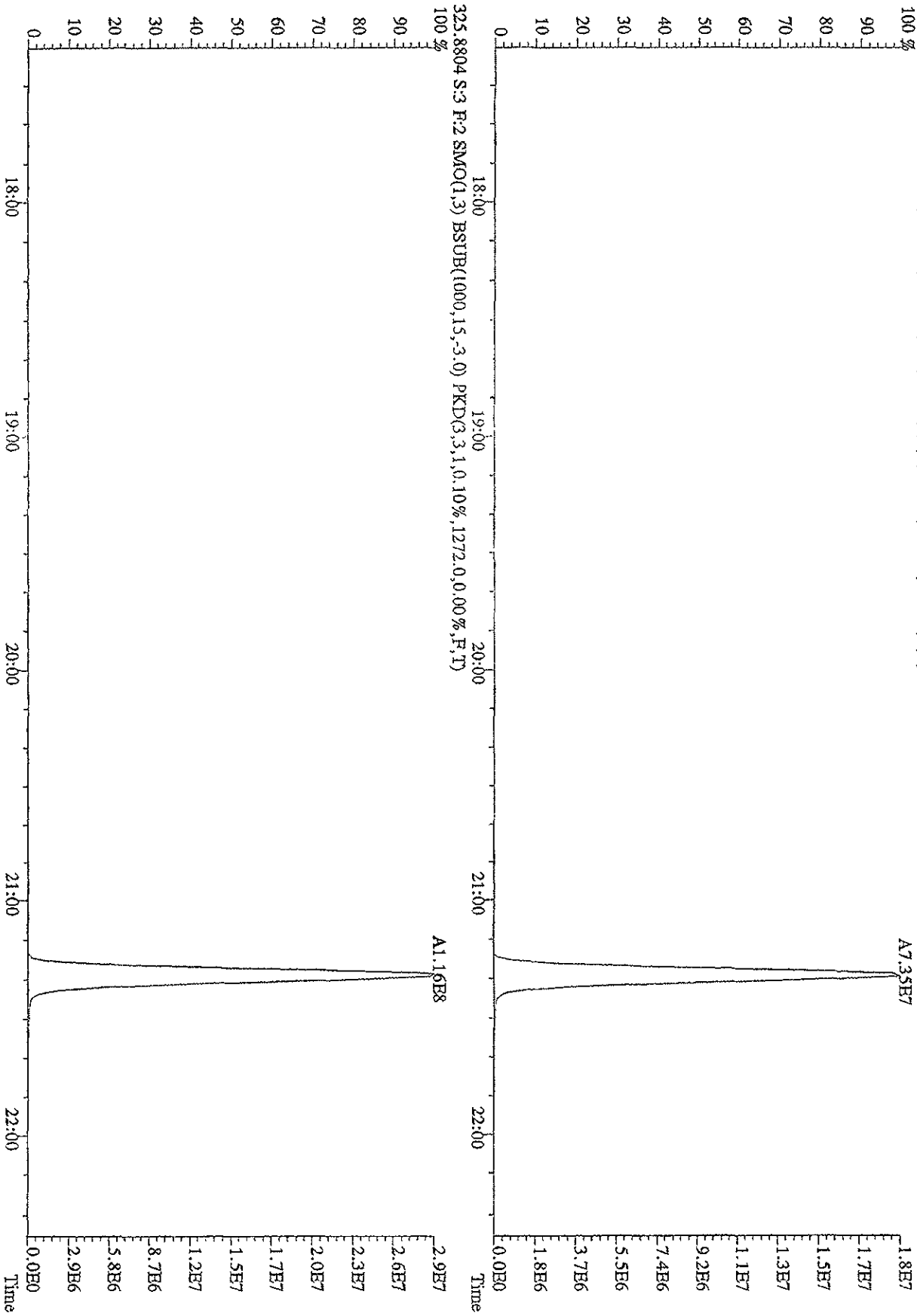
289.9224 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1500.0,0.00%,F,T)



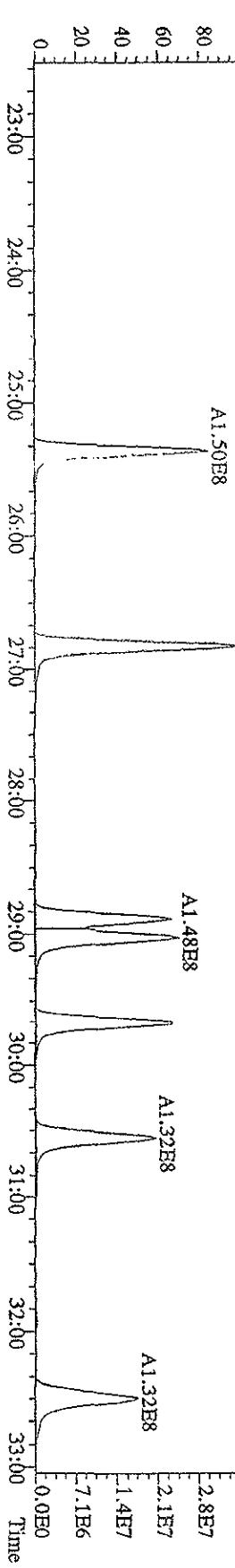
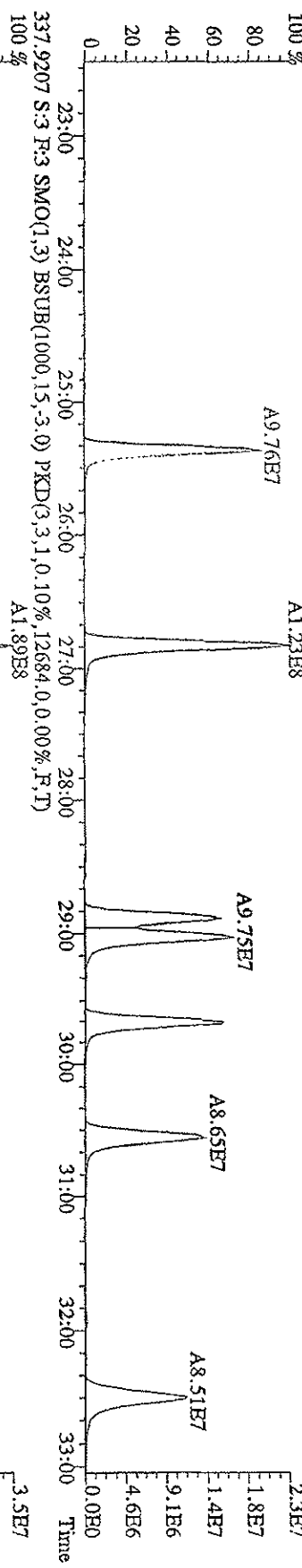
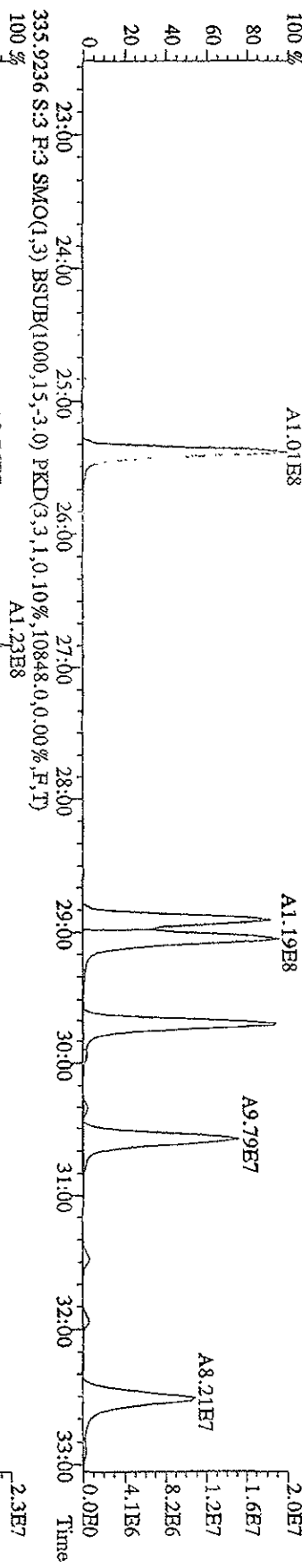
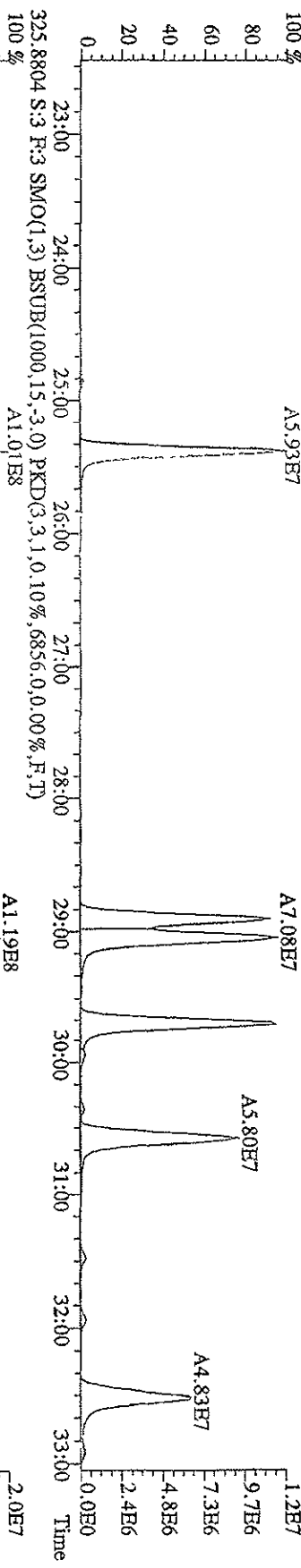
File: 151A09D9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC BF+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7528,0,0,00%,F,T)  
 100%



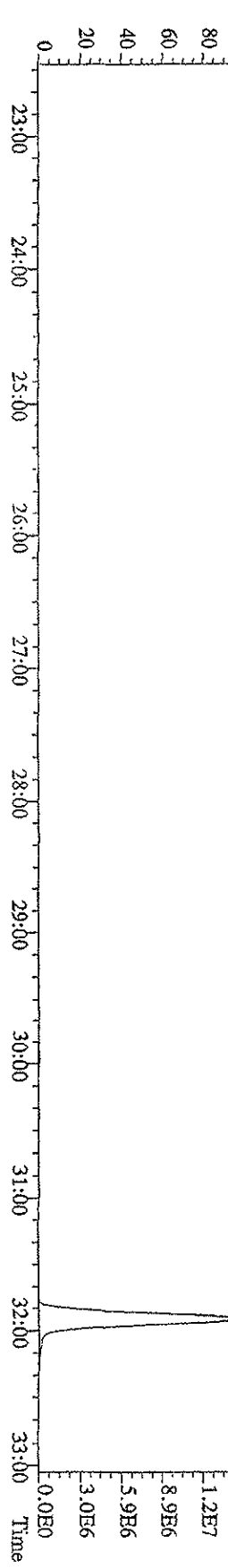
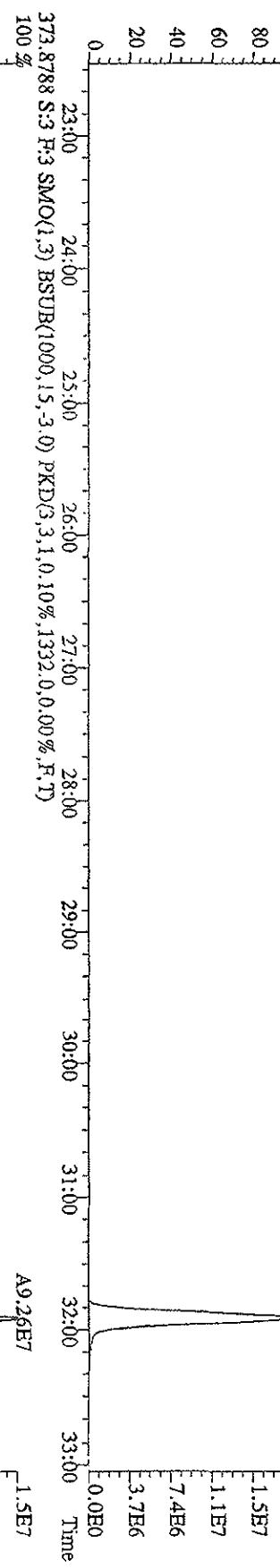
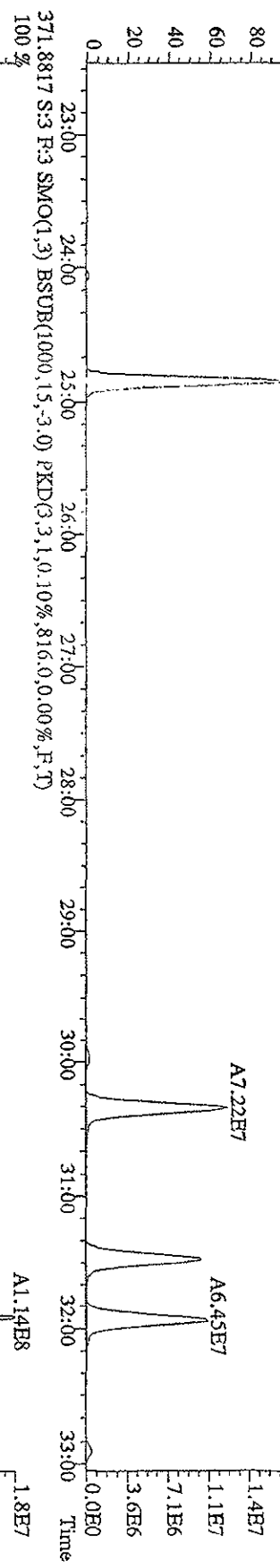
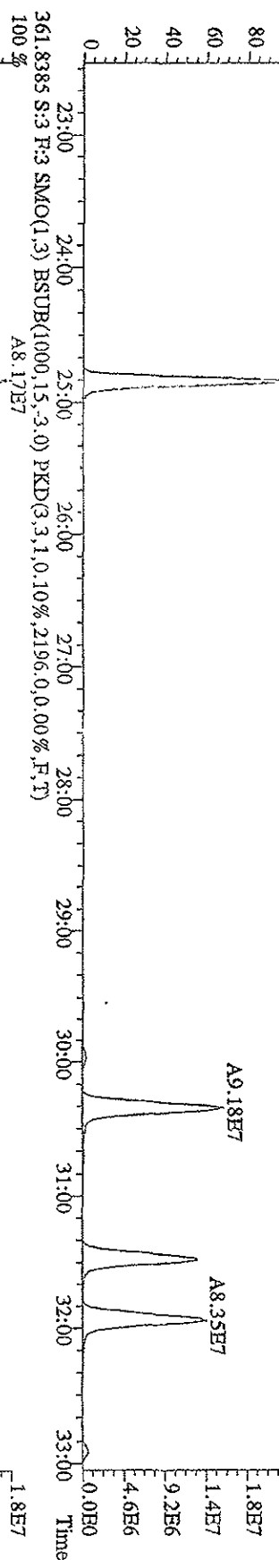
File:151A09D9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage S1R Autospec-UltimaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 325.8834 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1856,0,0,00%,F,T)  
 100%



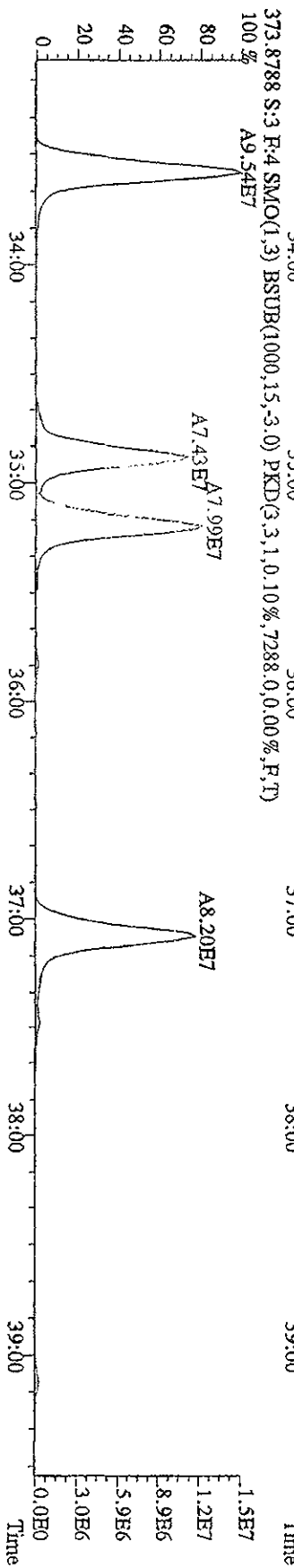
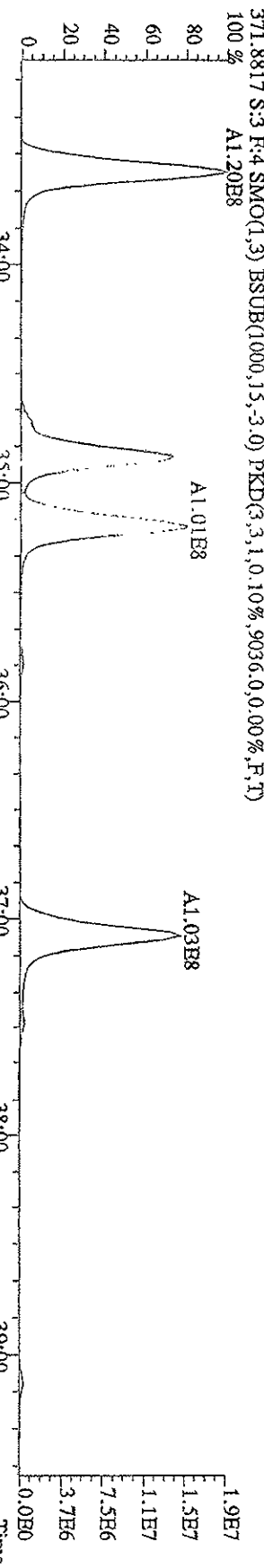
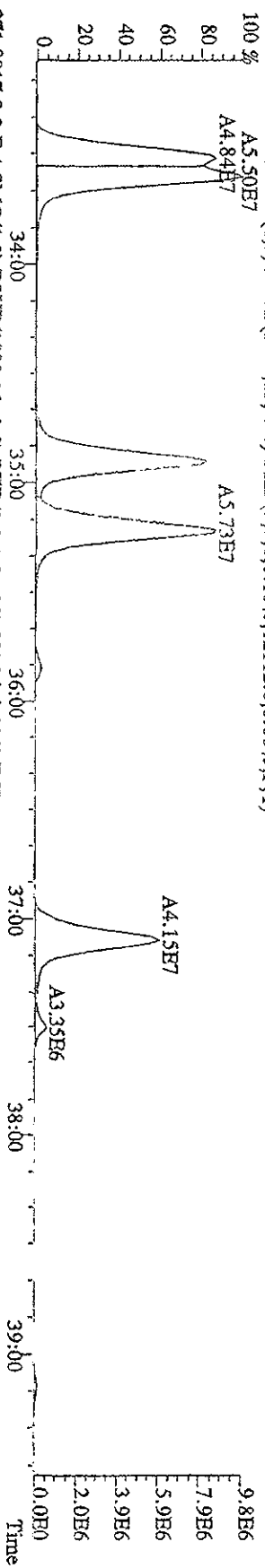
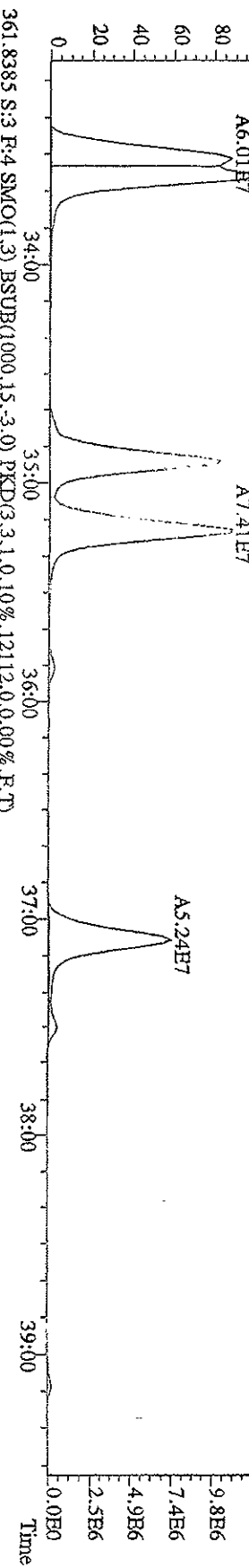
File:15JA09D9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6616,0,0,00%,F,T)  
 100 % A5.93E7



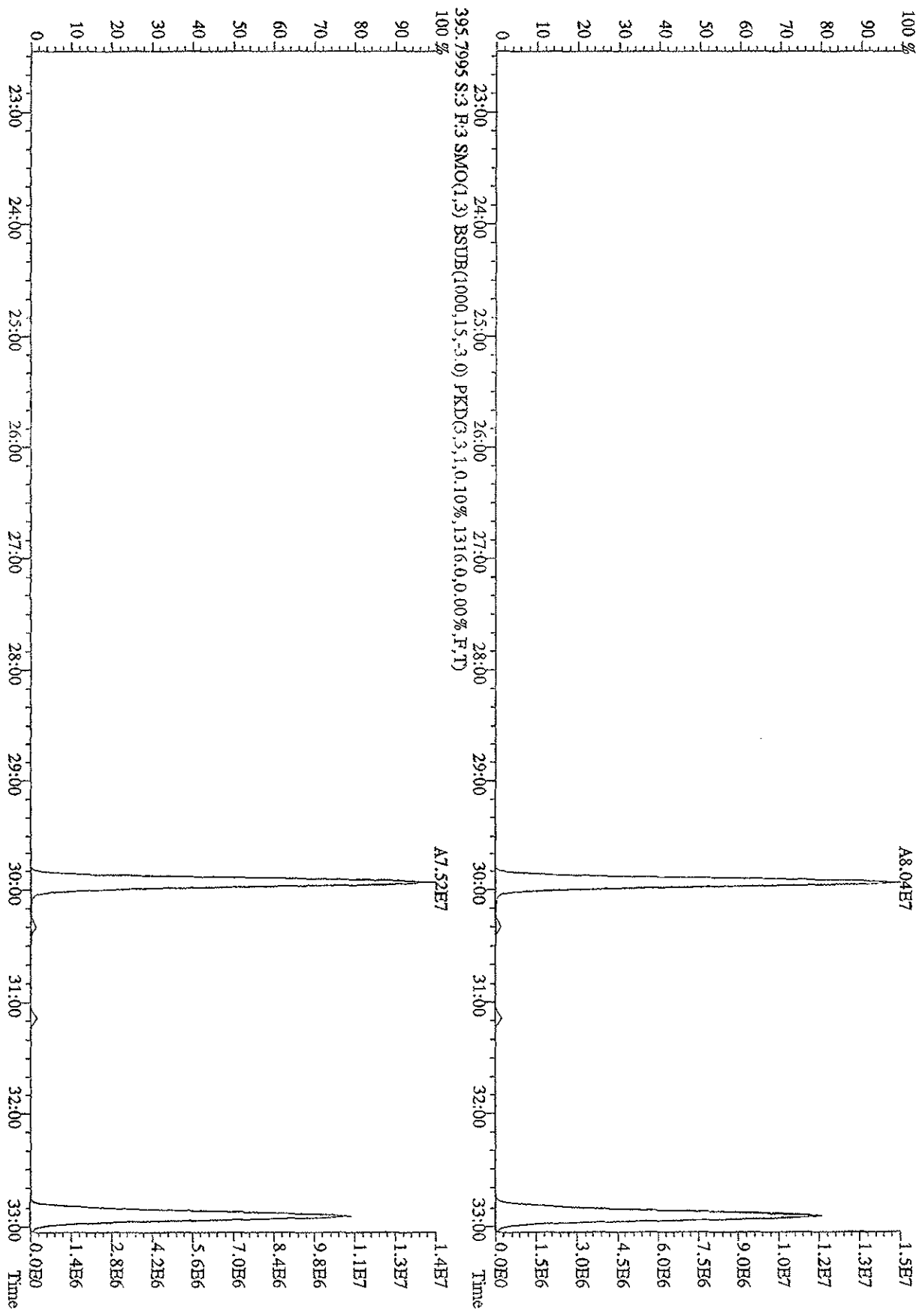
File:151A09DD9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 359.8415 S:3 F:3 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1,0,10%,1732,0,0,00%,F,T)  
 100% A1.05E8



File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,11592,0,0,00%,F,T)  
 100 %



File: 151A09DD9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 393.8025 S:3 P:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4328,0,0,00%,F,T)  
 100%

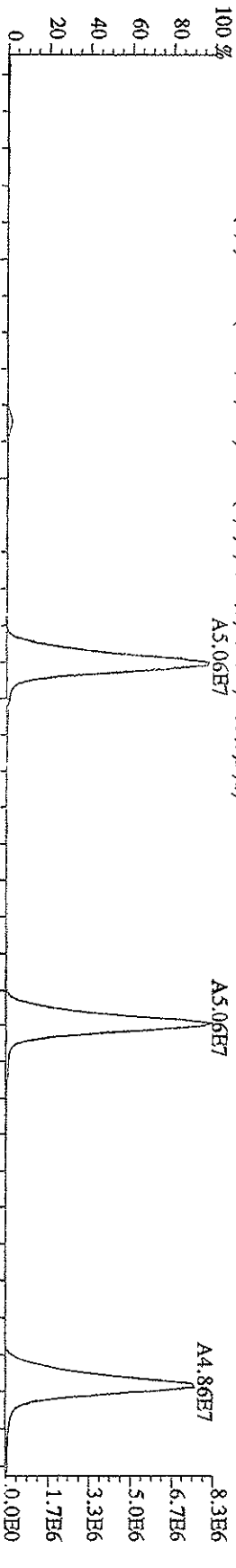




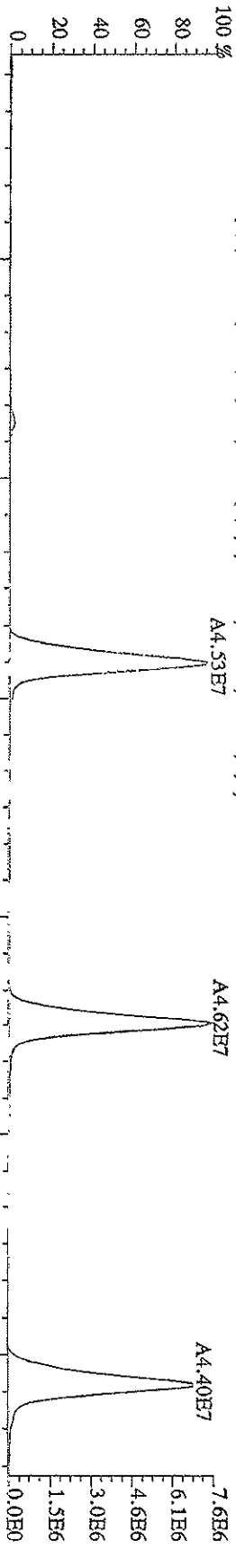
File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage STR Autospec-UltimaB

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

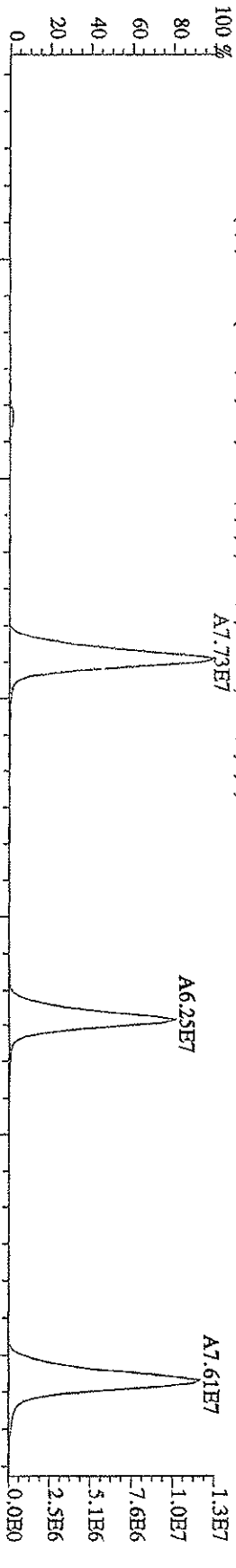
393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5600,0,0,00%,F,T)



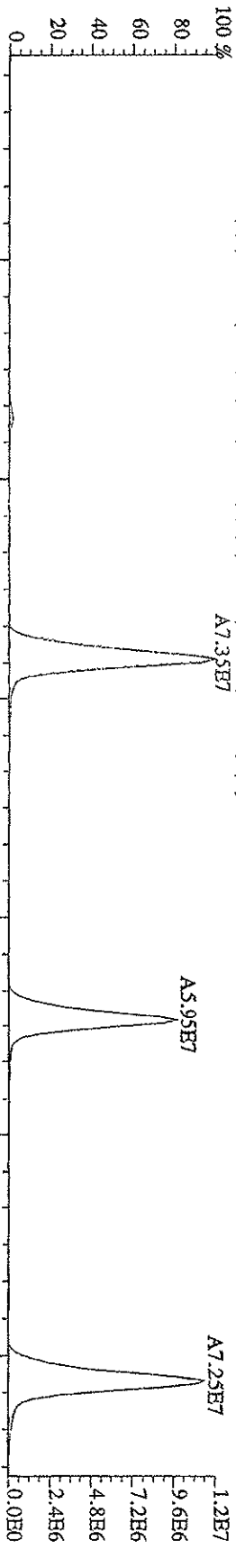
395.7995 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6620,0,0,00%,F,T)



405.8428 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4120,0,0,00%,F,T)

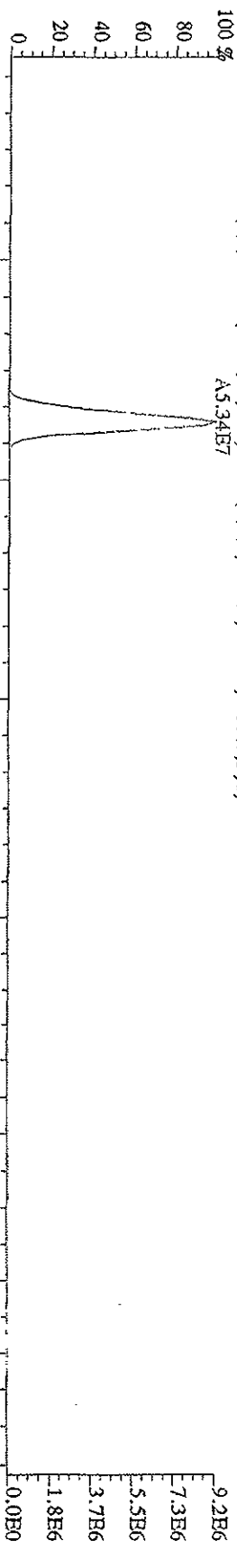


407.8398 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2464,0,0,00%,F,T)

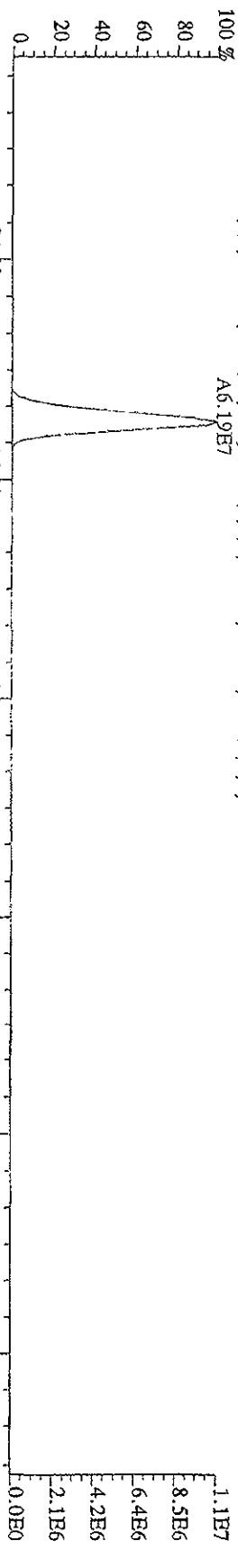


File:151A09DD5 #1-395 Acq:15-JAN-2009 22:07:59 GC BI+ Voltage SIR Autospec-Ultimate  
Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

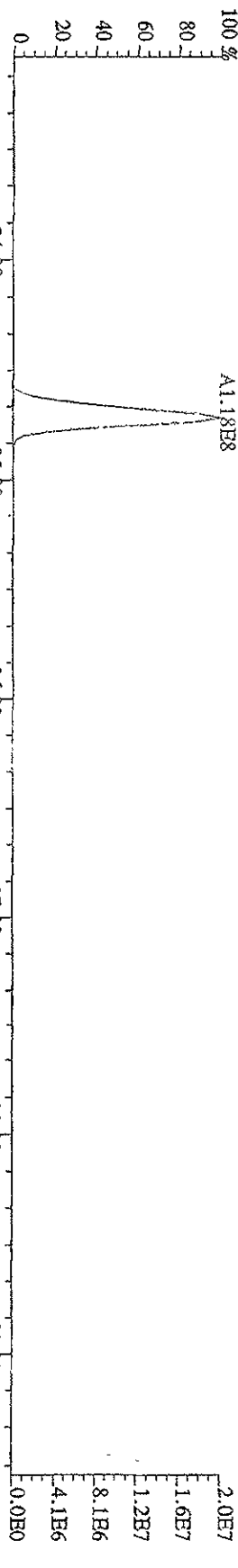
427.7635 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1904,0,0.00%,F,T)  
100% A5.34E7



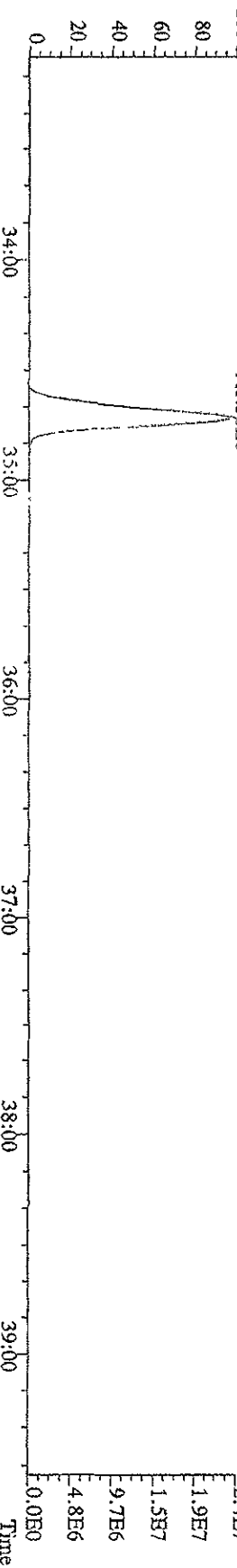
429.7606 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1904,0,0.00%,F,T)  
100% A6.19E7



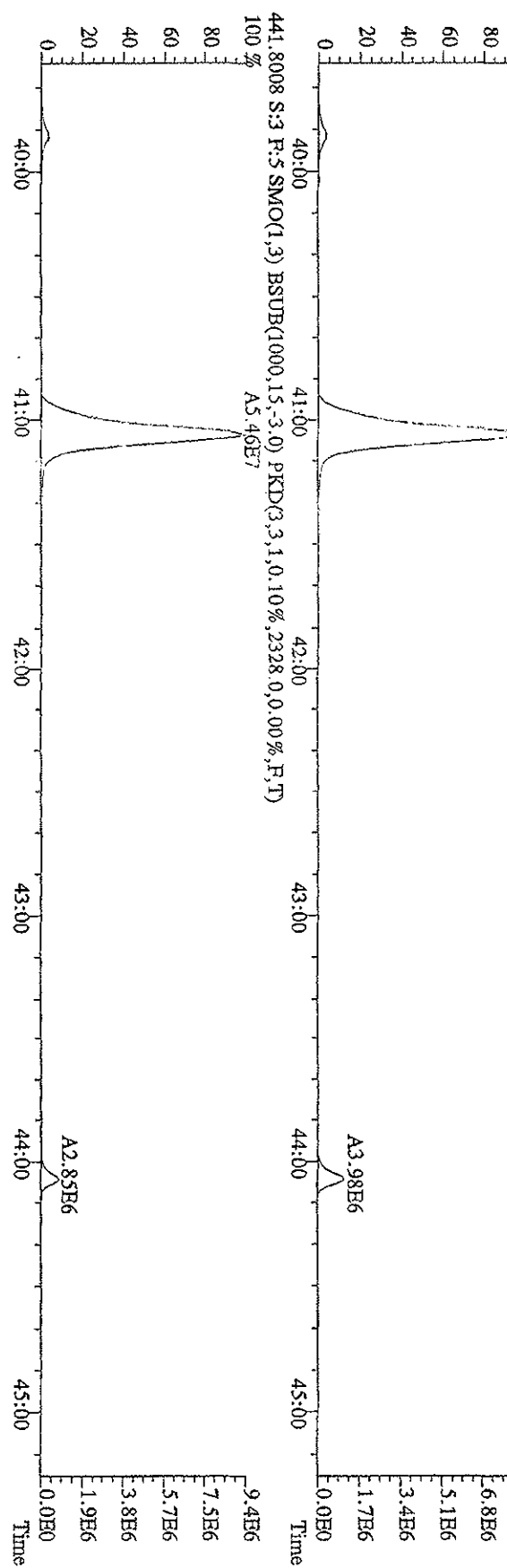
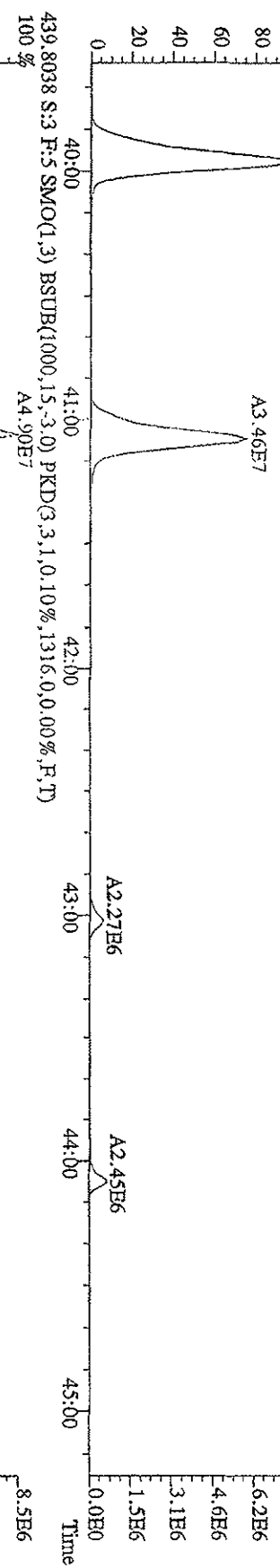
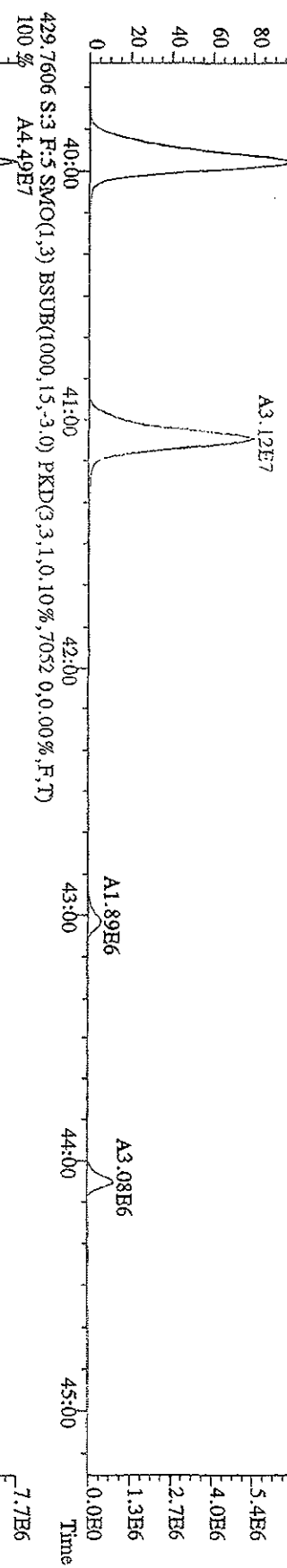
439.8038 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,60,0,0.00%,F,T)  
100% A1.18E8



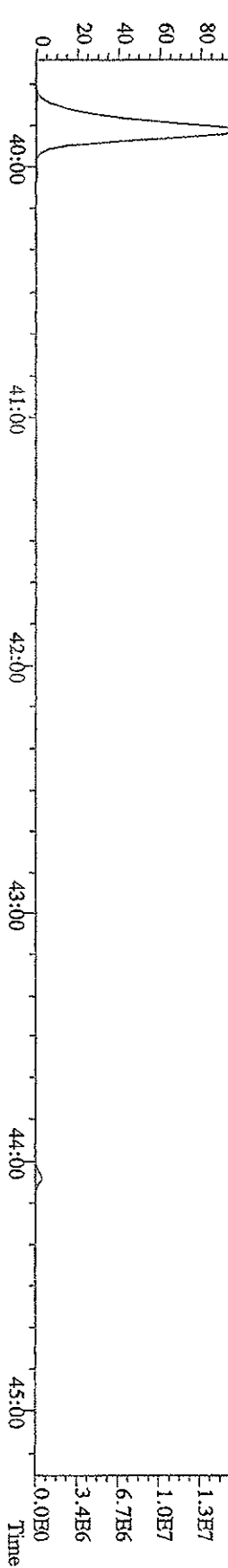
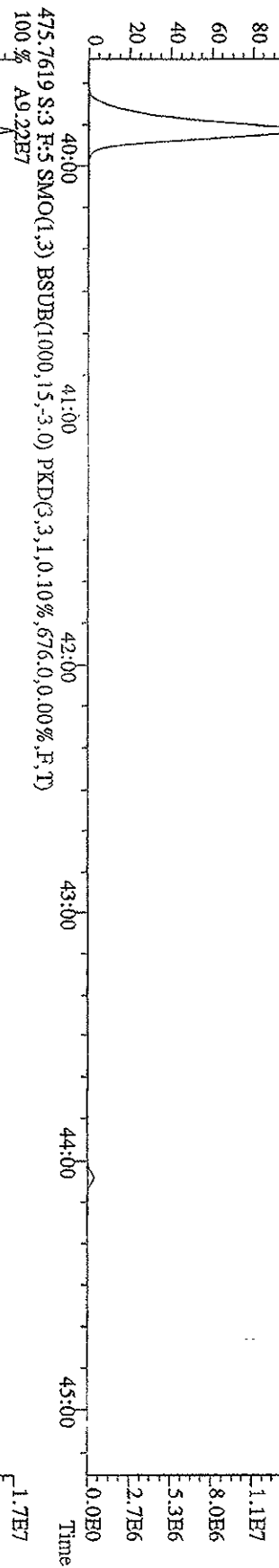
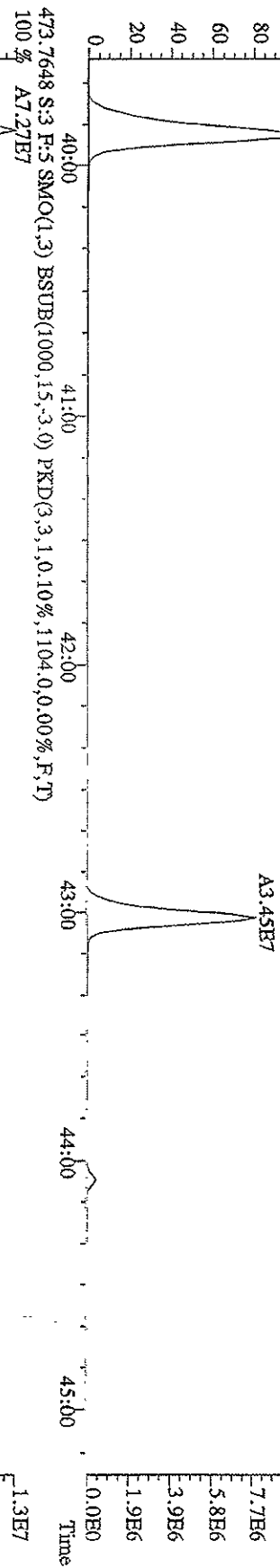
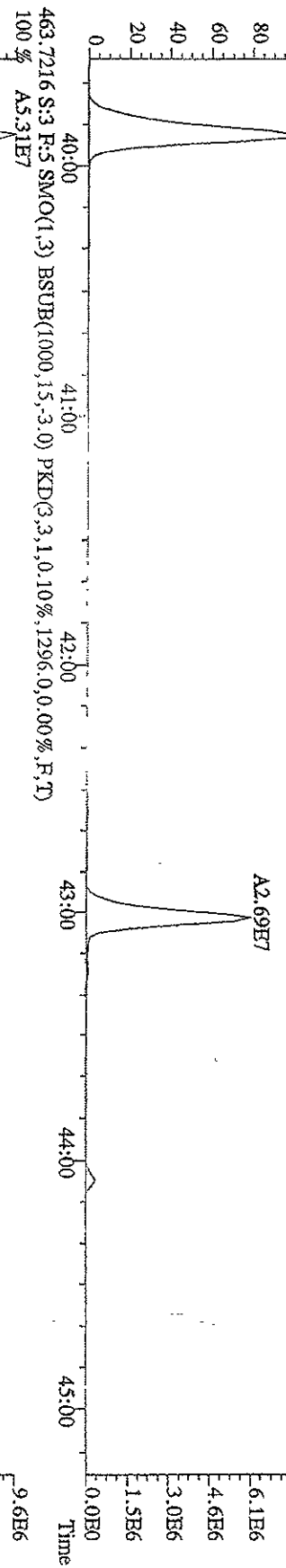
441.8008 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,48,0,0.00%,F,T)  
100% A1.38E8



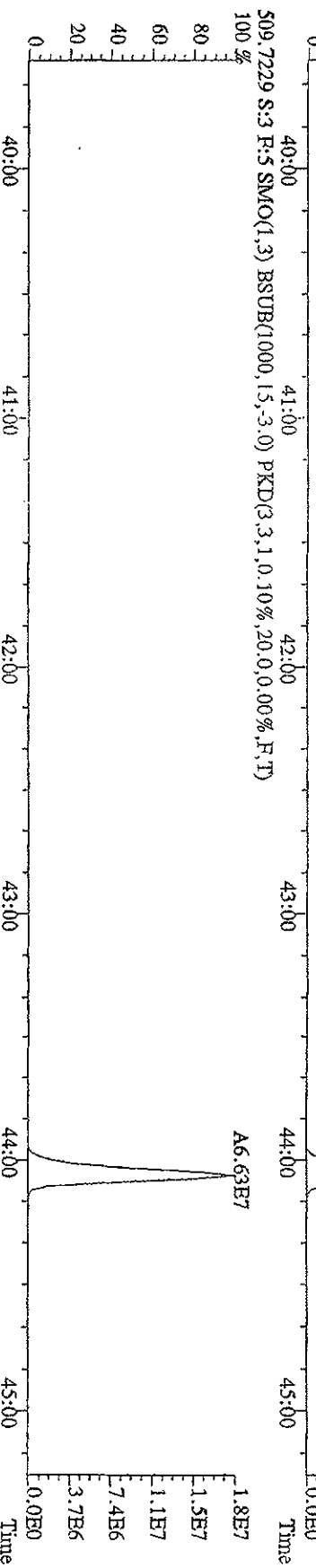
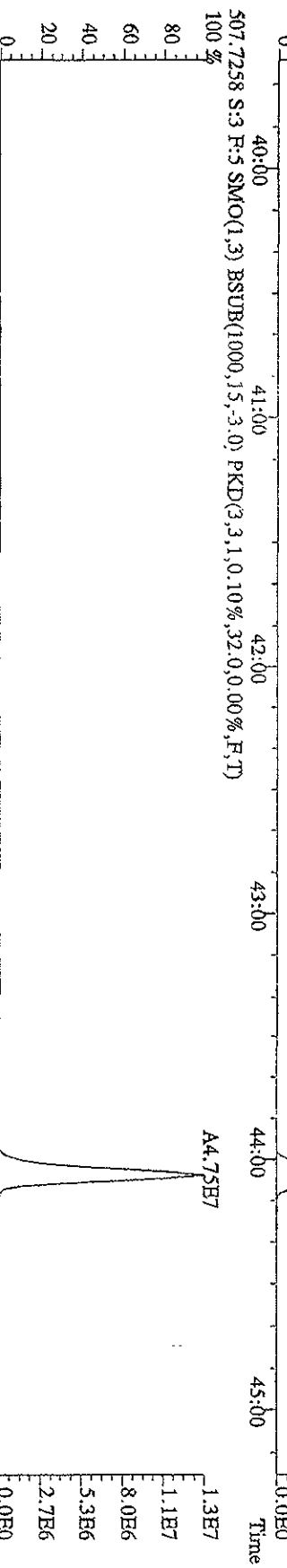
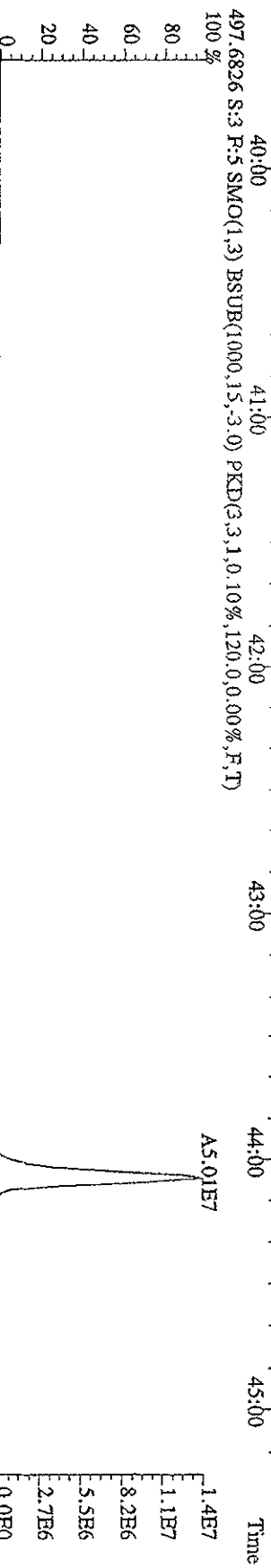
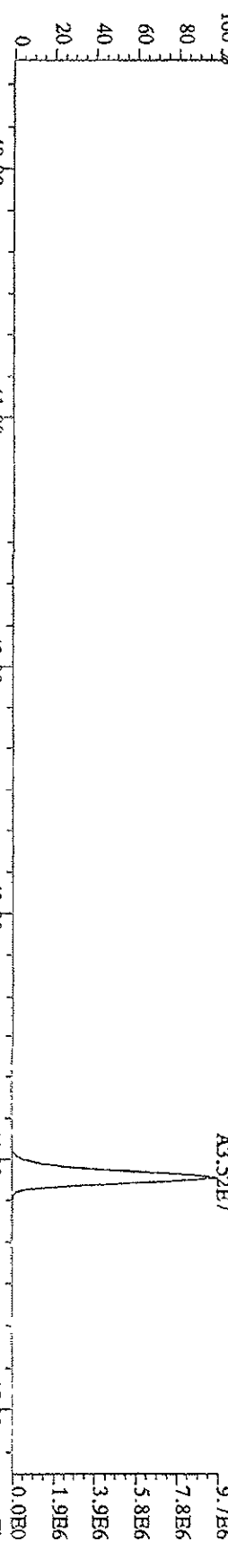
File:15JA09D9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC HI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 429.7606 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7052,0,0,00%,F,T)  
 100% A3.96E7



File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC-EL+ Voltage S/R Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 461.7245 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,988.0,0.00%,F,T)  
 100% A4.19E7

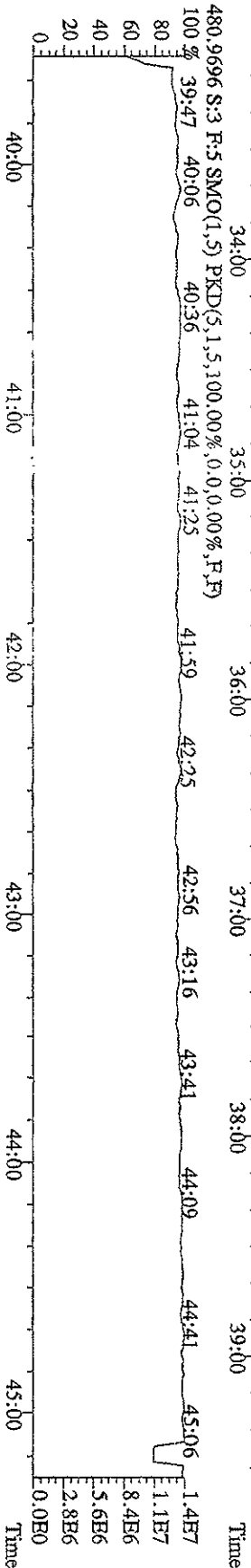
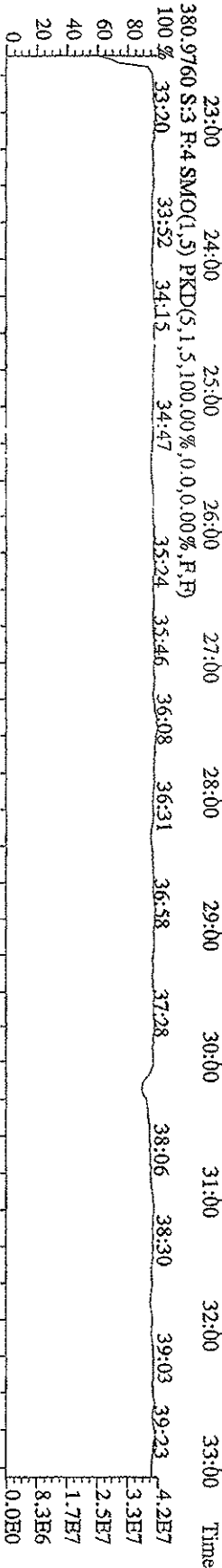
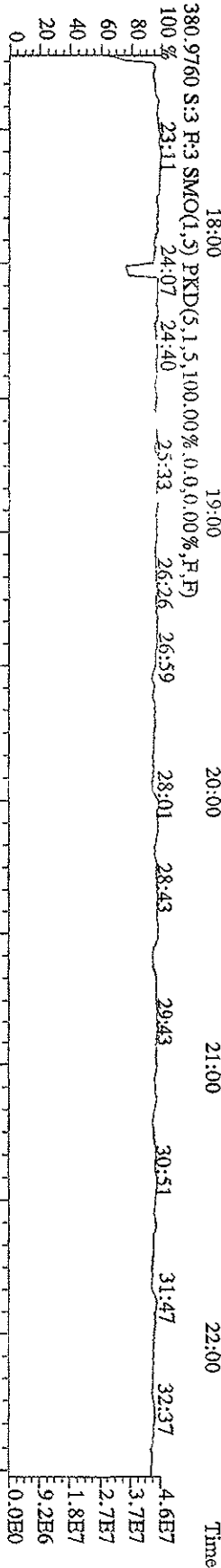
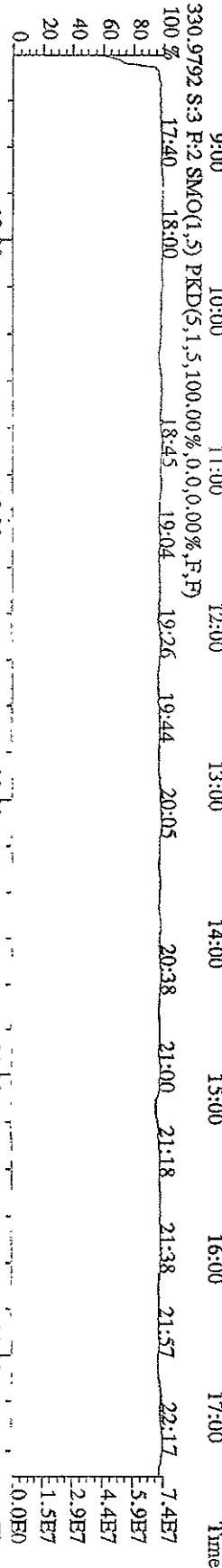
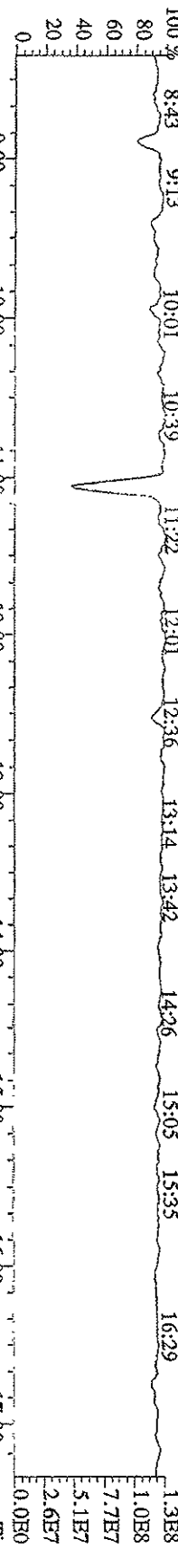


File: 151A09D9D5 #1-378 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#3 Text: S10115B :CS3 09DXN016 Exp: 209DB5  
 495.6856 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,604.0,0.00%,F,T)



File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC RI+ Voltage STR Autospec-Ultimate

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

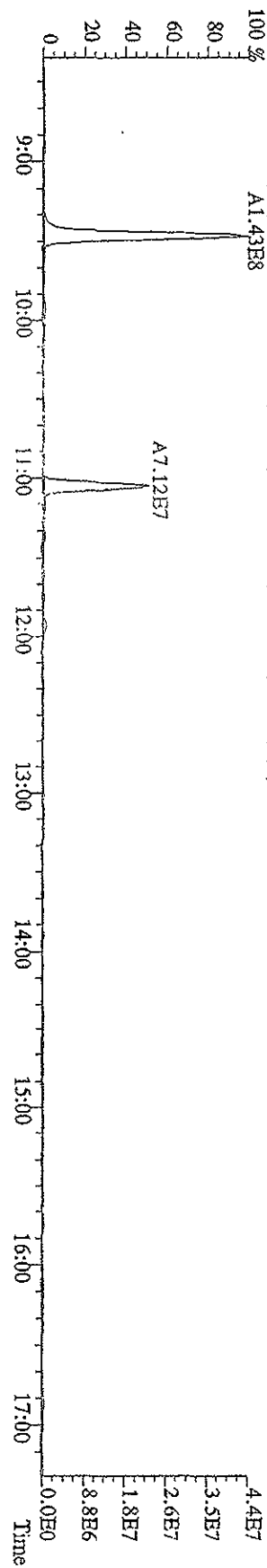
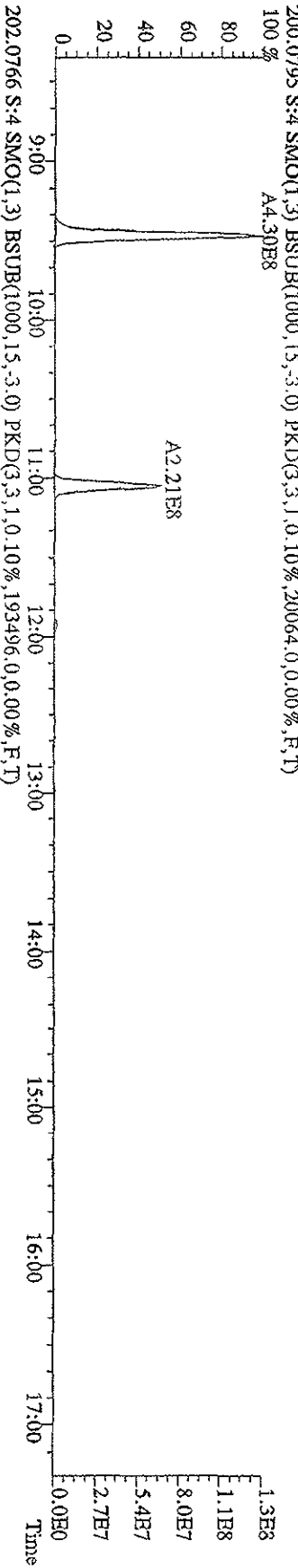
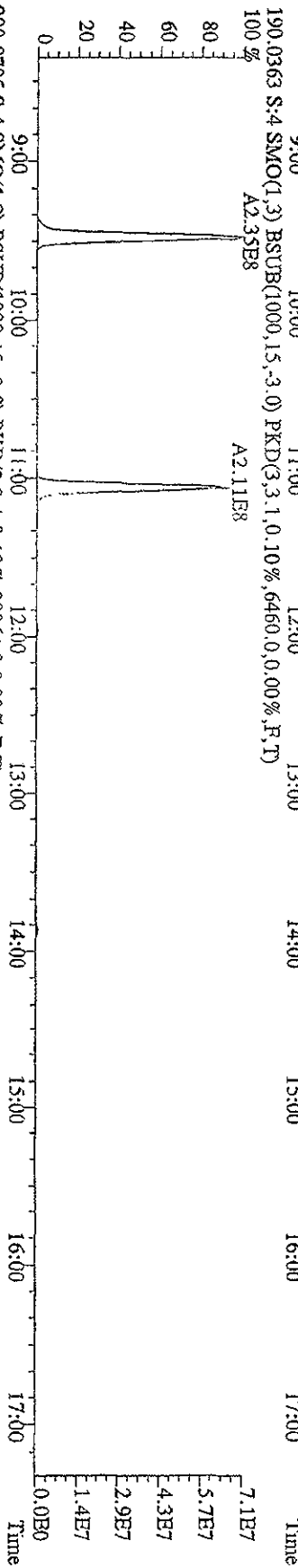
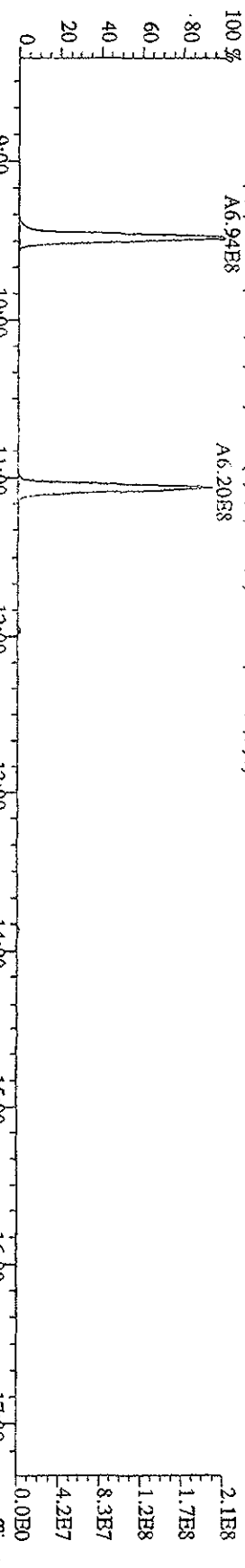


File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage STR Autospec-Ultimate

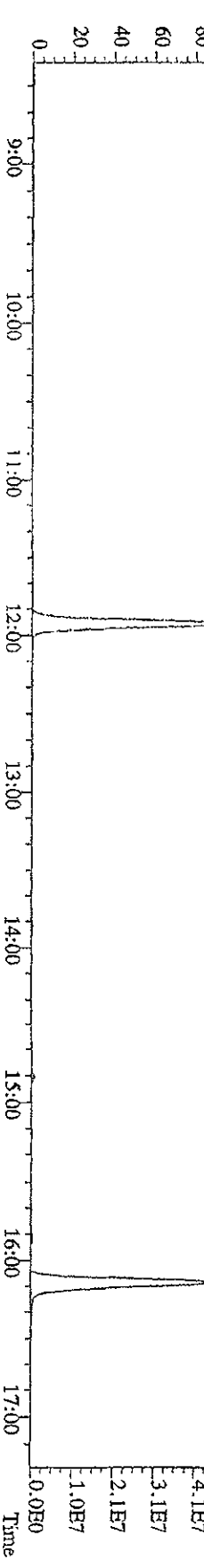
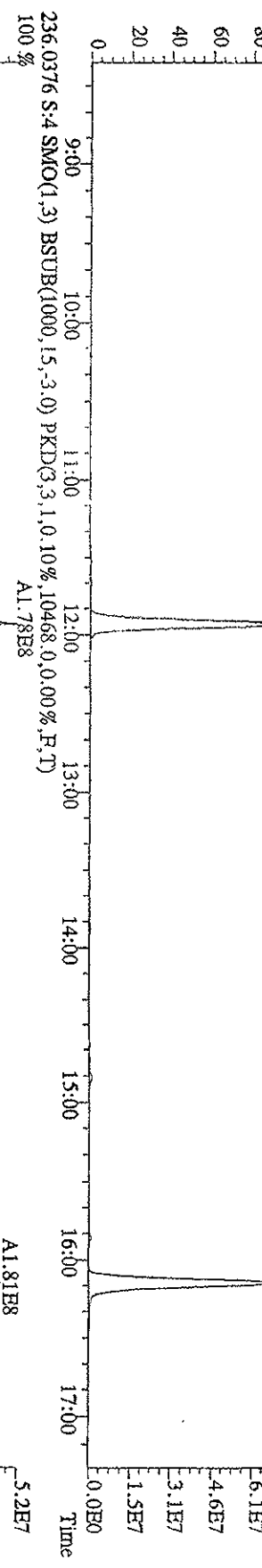
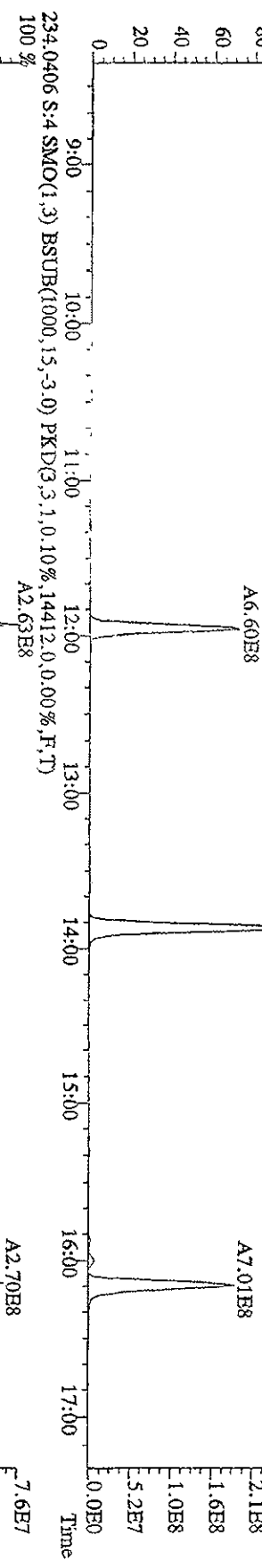
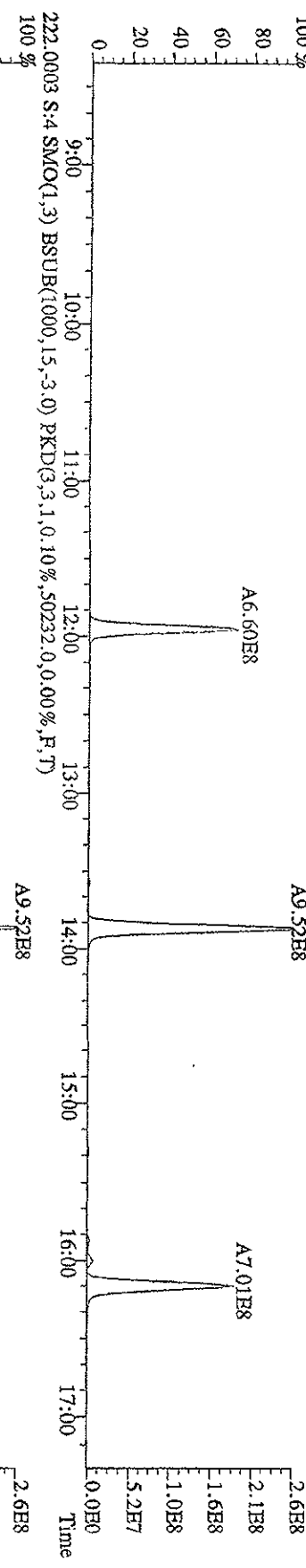
Exp: 209DB5

Sample#4 Text: ST0115C :CS4 09DXND17

188.0393 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,12792,0,0,00%,F,T)

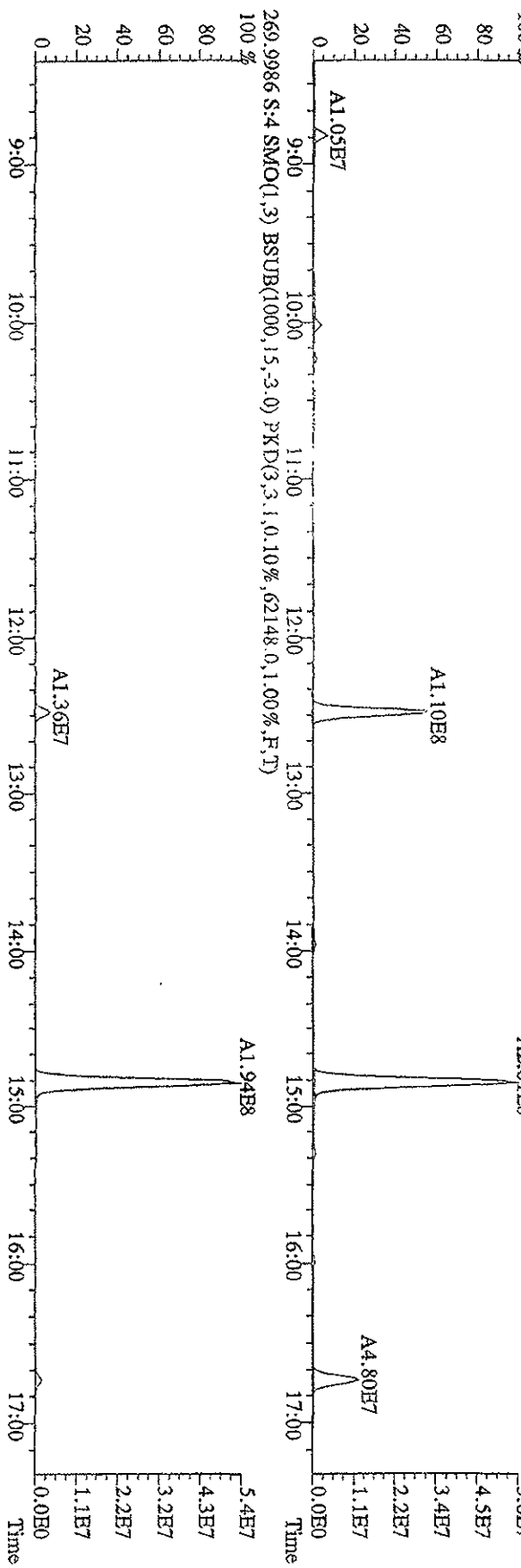
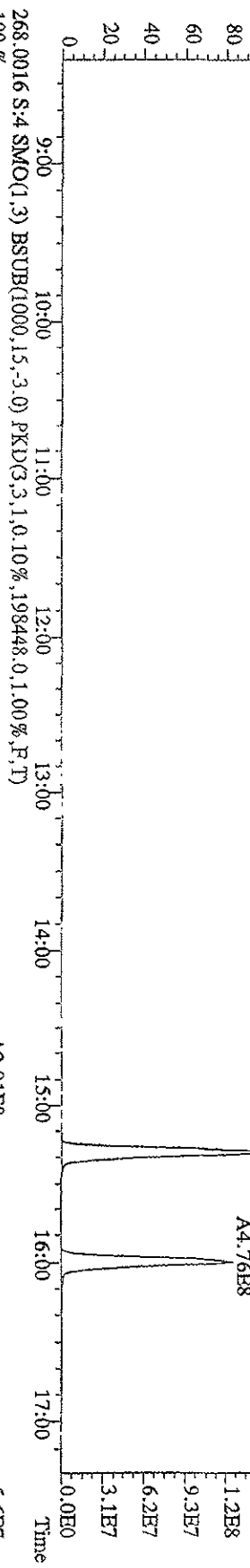
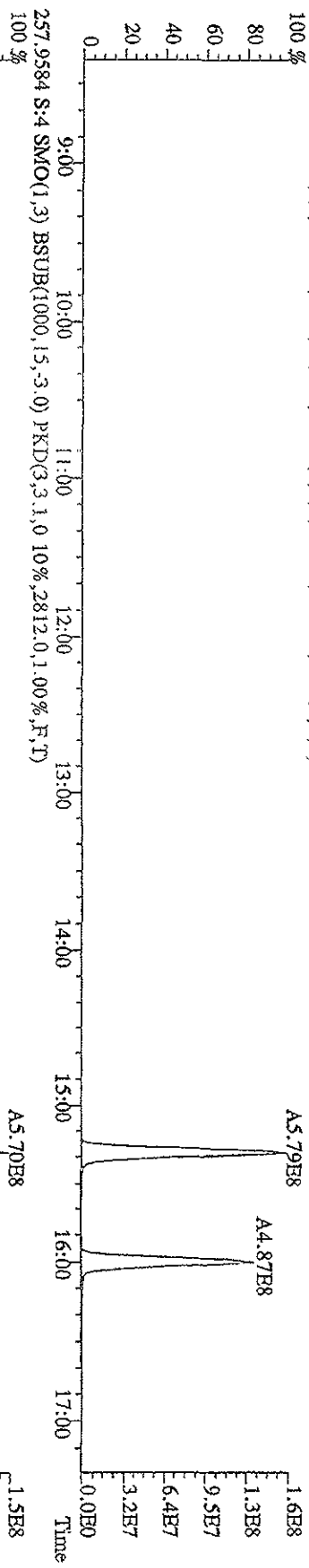


File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIM Autospec-UHimaE  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 222.0003 S-4 SMO(1,3) BSUB(1000,15,-3.0) PKID(3,3,1,0,10%,50232,0,0,00%,F,T)

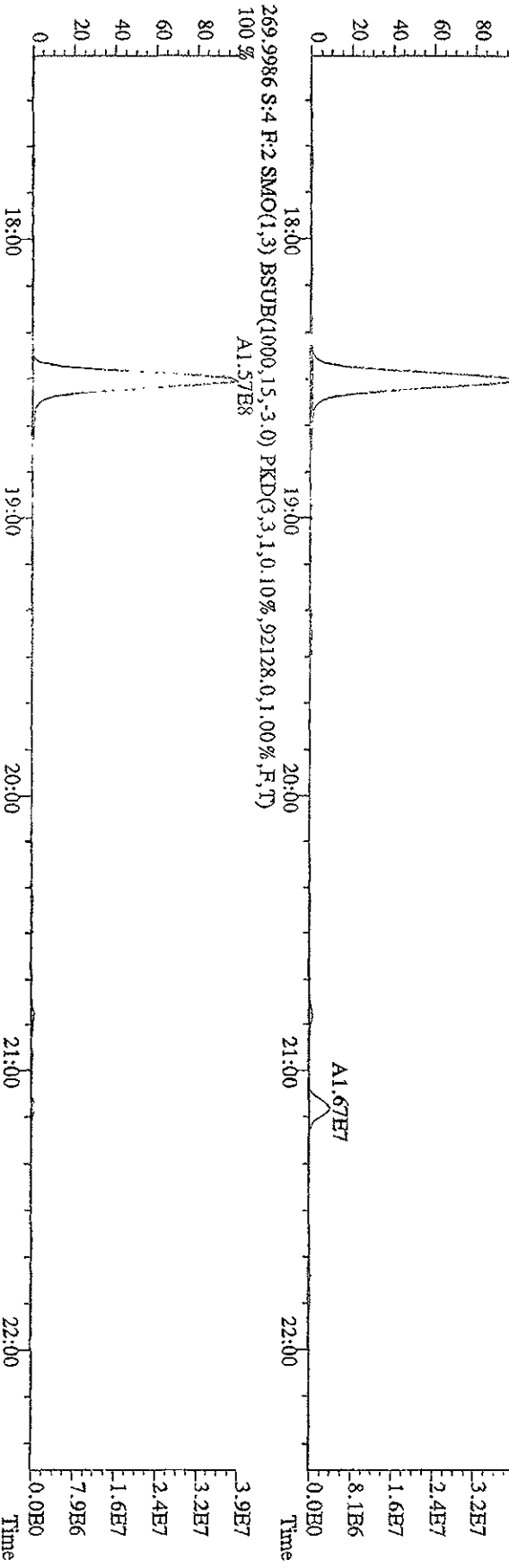
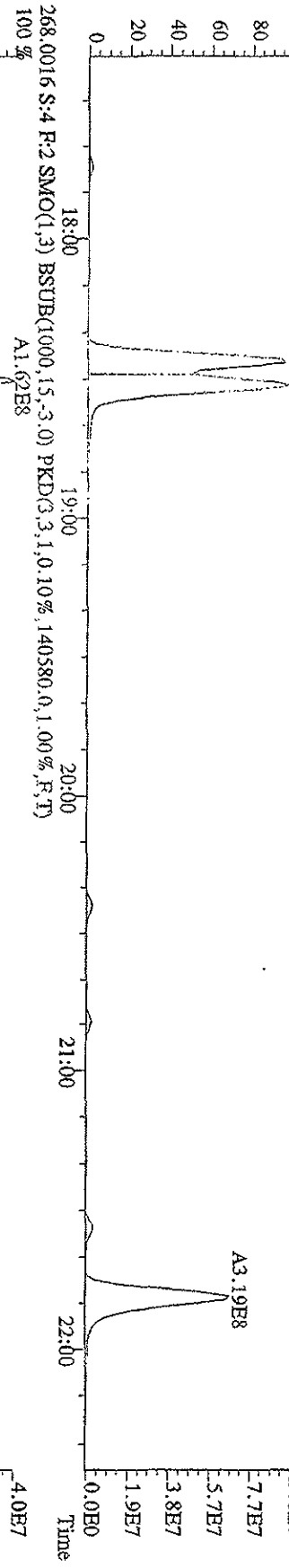
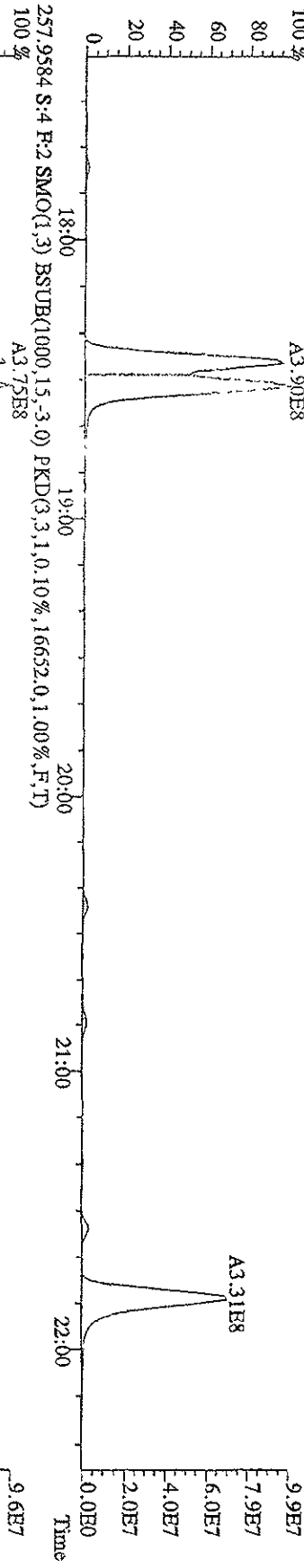




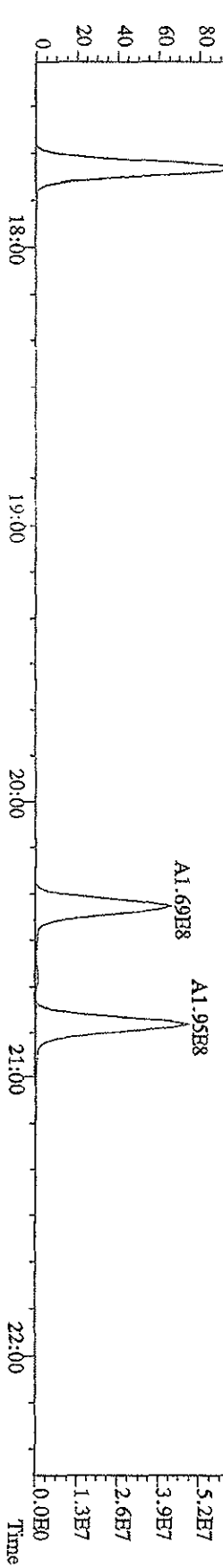
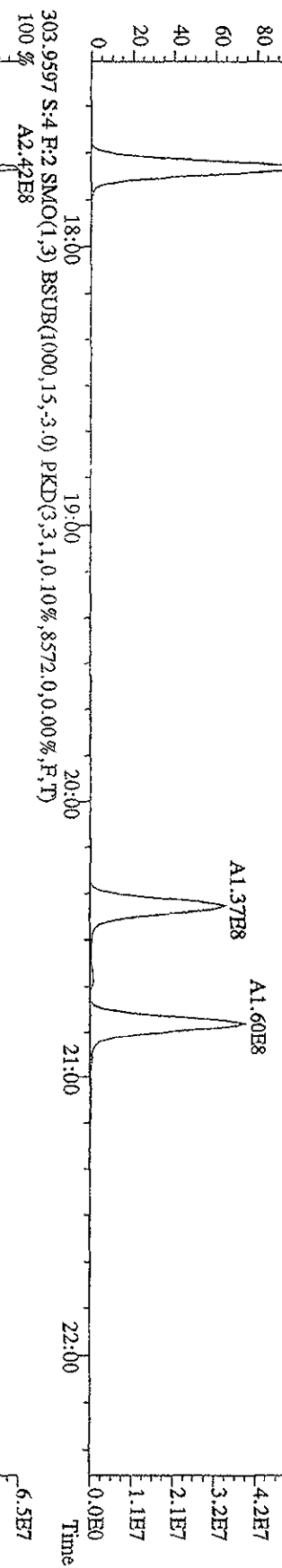
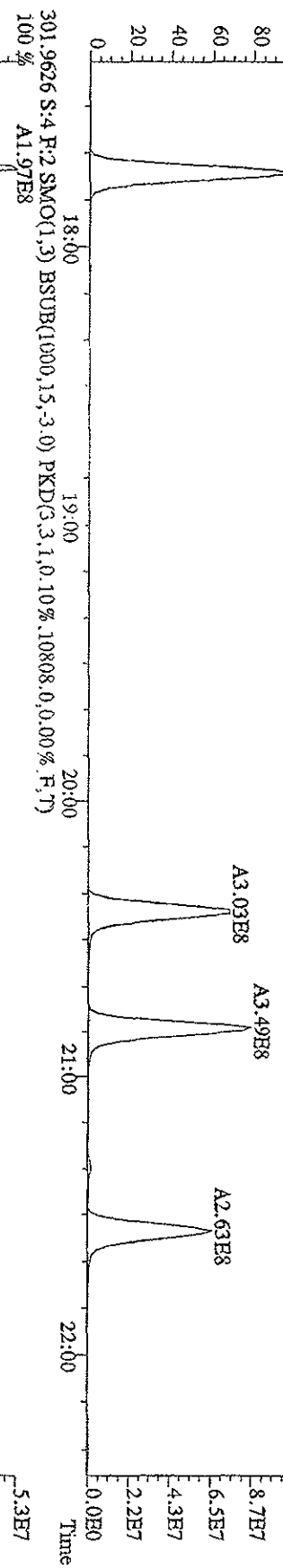
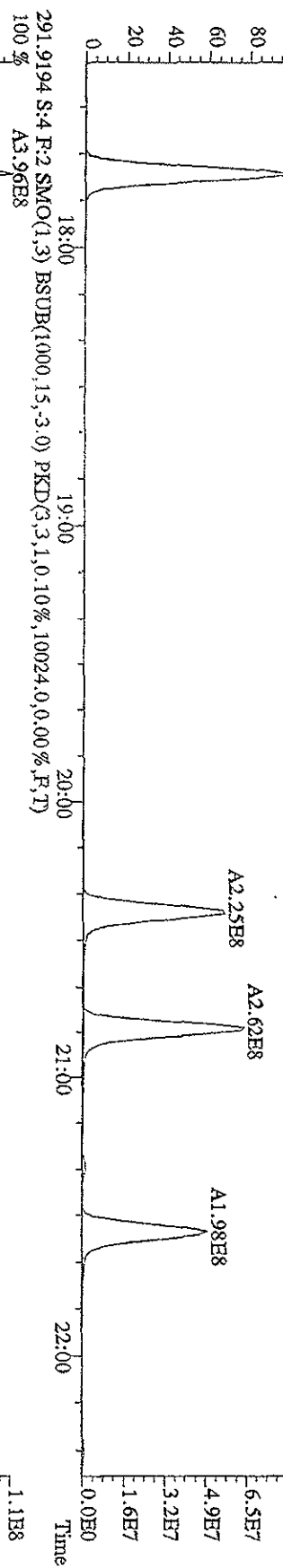
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DJB5  
 257.9584 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2812,0,1,00%,F,T)  
 255.9613 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6372,0,1,00%,F,T)



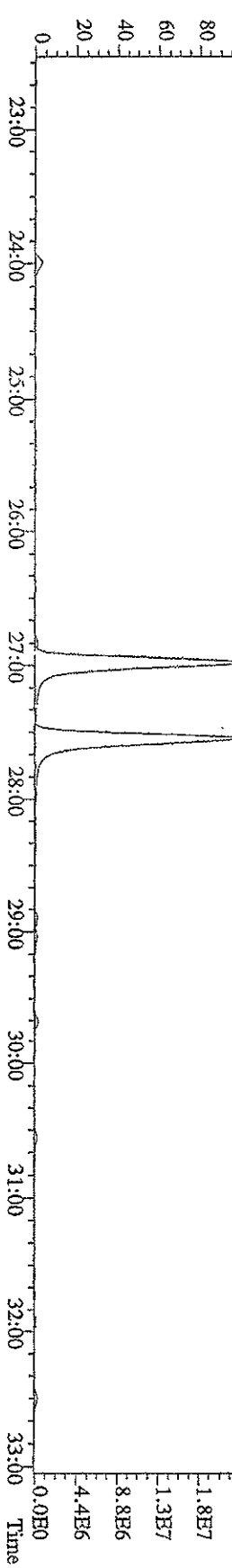
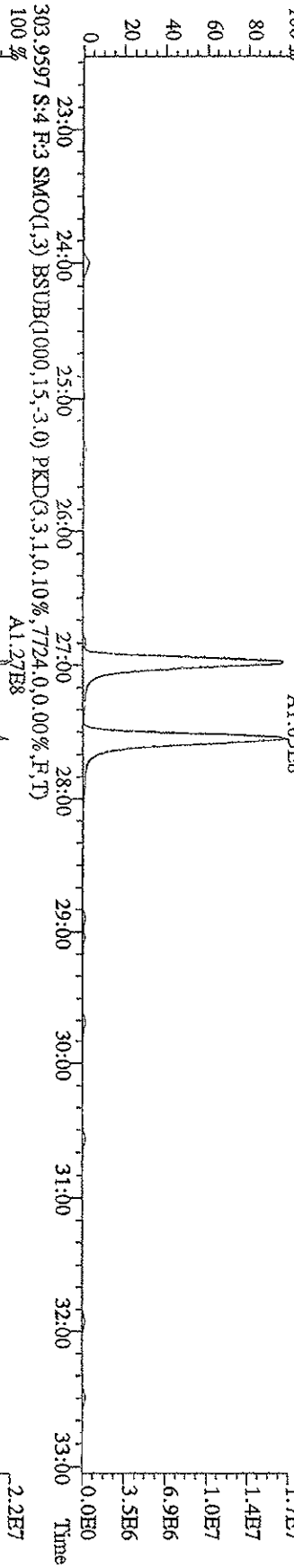
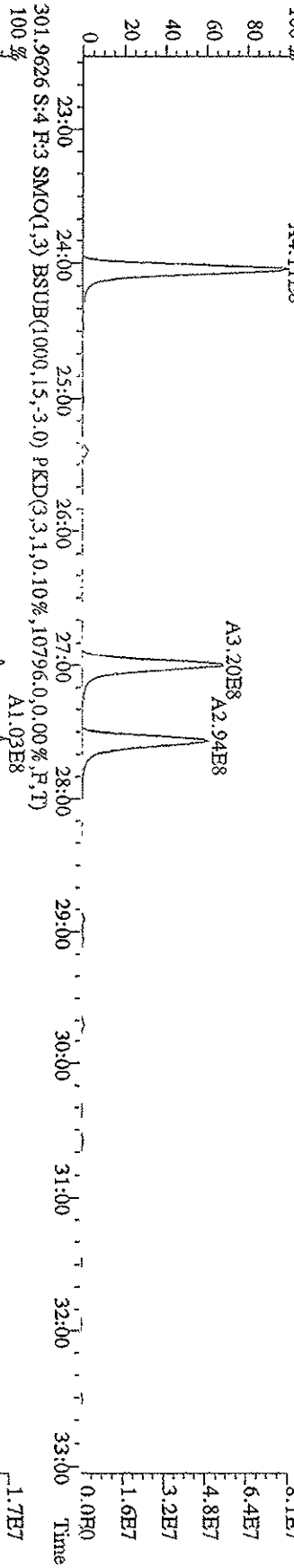
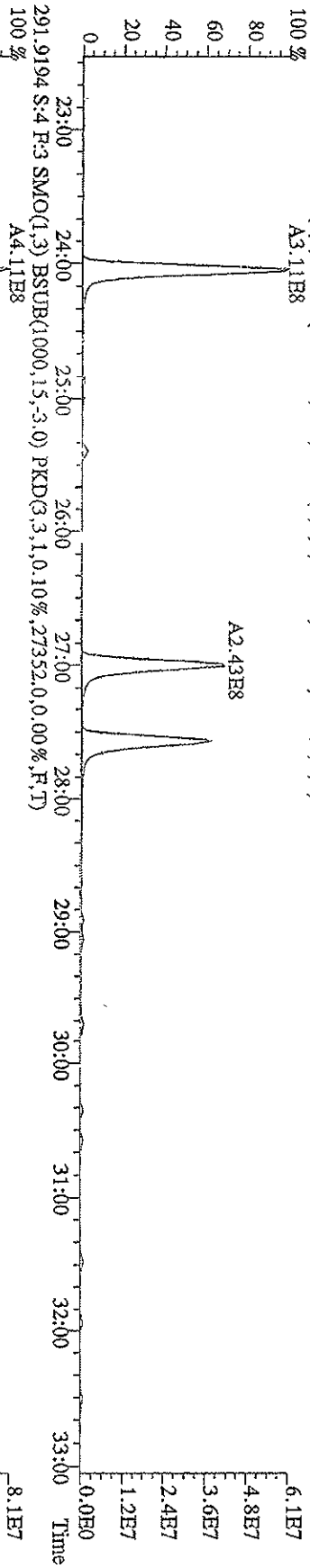
File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 22:59:23 GC: EI+ Voltage: STR Autospec-Ultimate  
 Sample#4 Text: ST0115C : CS4 09DXN017 Exp: 209DB5  
 257.9584 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,16652.0,1.00%,F,T)  
 268.0016 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,140580.0,1.00%,F,T)  
 269.9986 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,92128.0,1.00%,F,T)



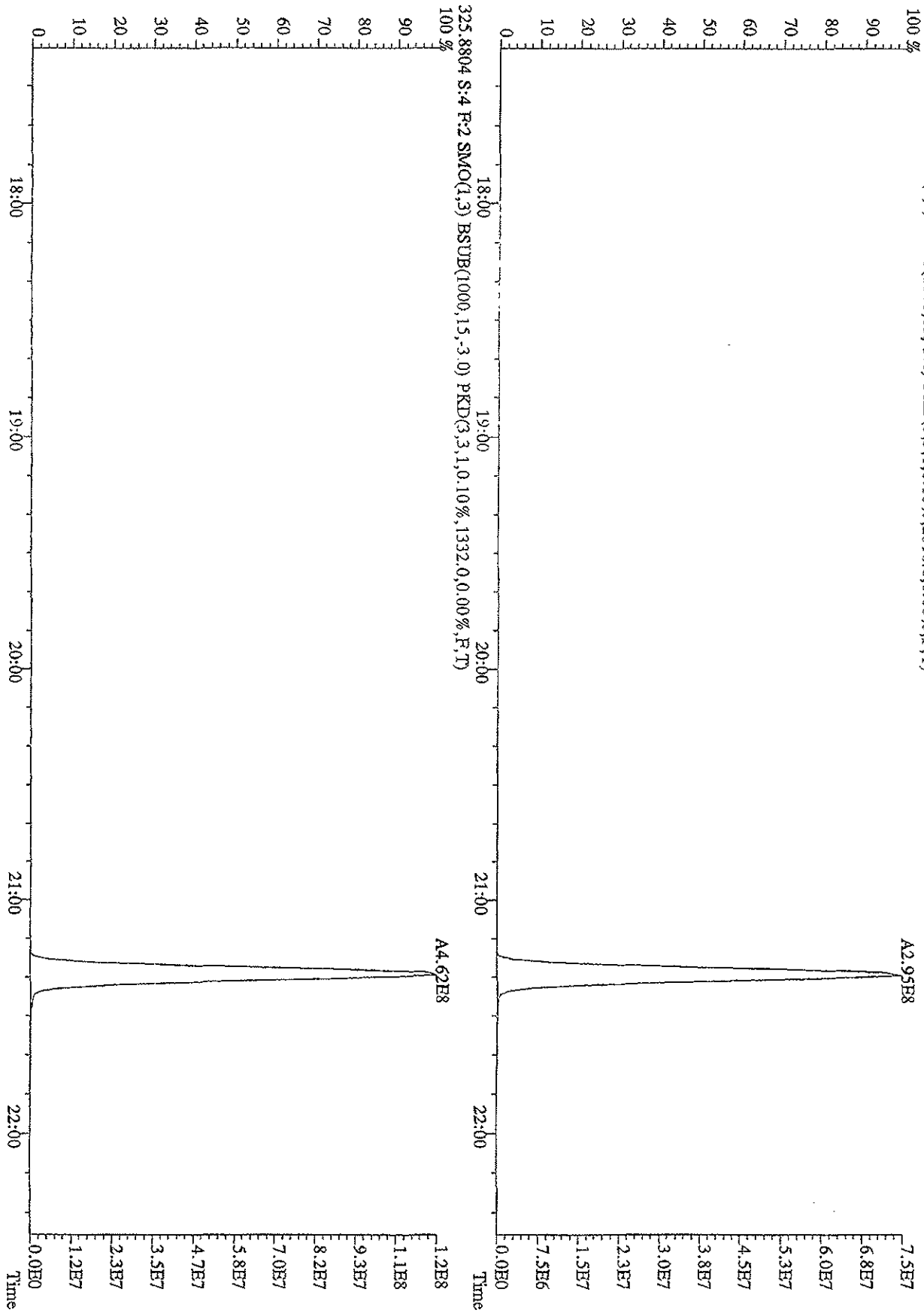
File:151A09D9D5 #1-371 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Utmatt  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 289.9224 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10024,0,0,00%,F,T)  
 100% A2.95E8



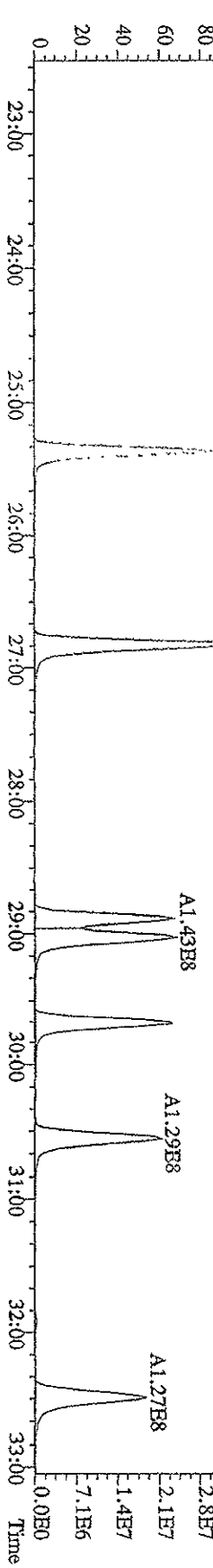
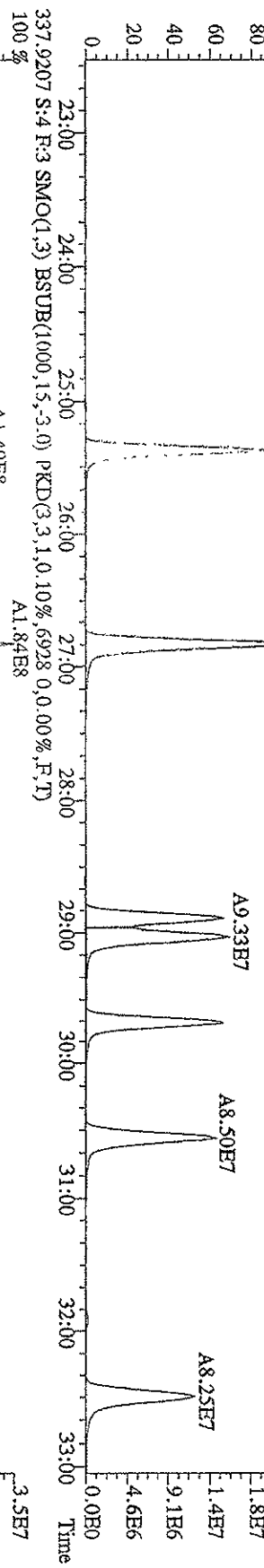
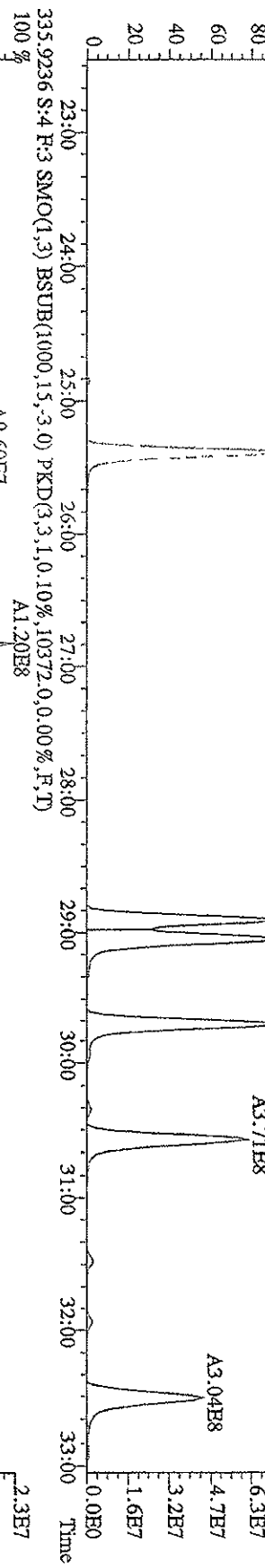
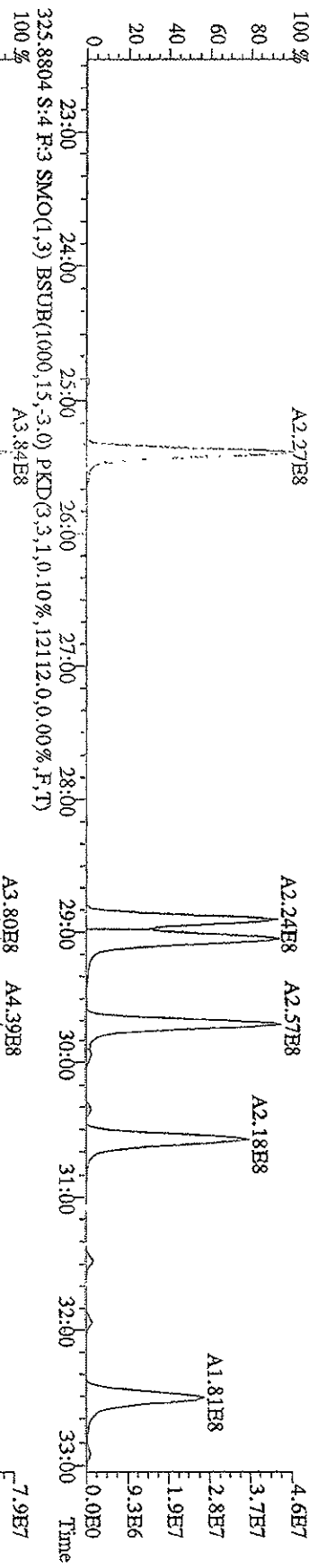
File:151A09D9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage STR Autospec-Ultimat  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,9024,0,0,00%,F,T)  
 100%



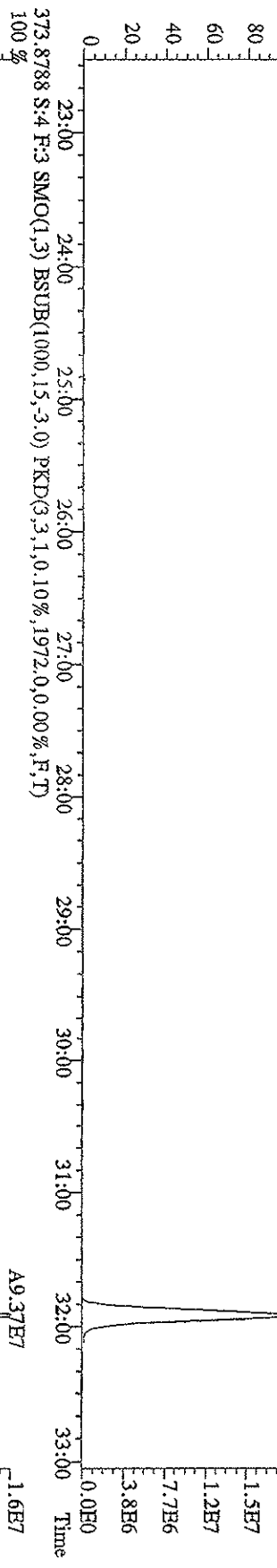
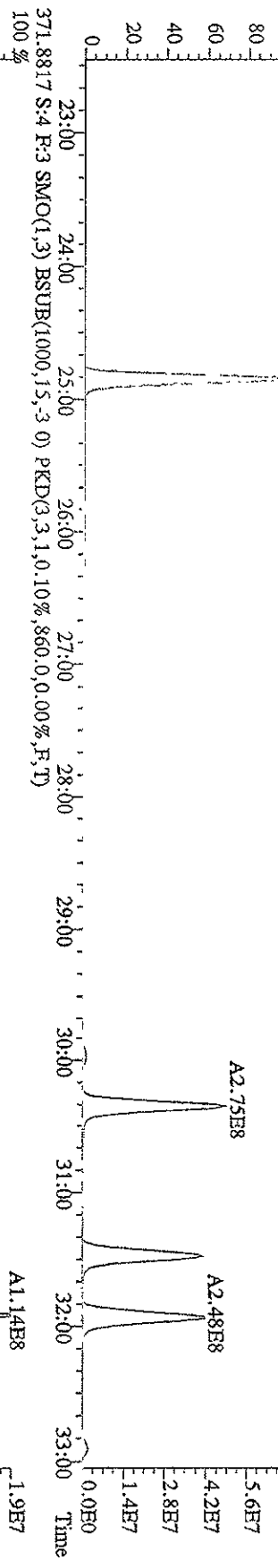
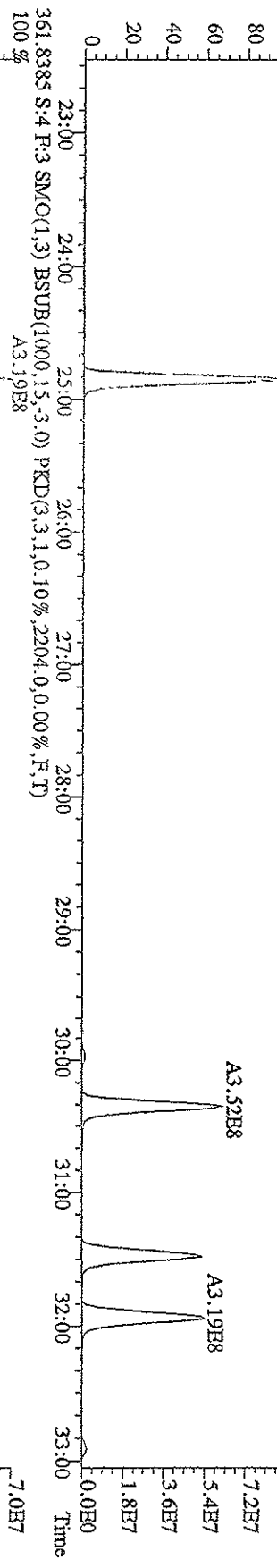
File:151A09D9D5 #1-371 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 323.8834 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2016,0,0.00%,F,T)  
 100 %



File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 323.8834 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,12112,0,0,00%,F,T)  
 100%

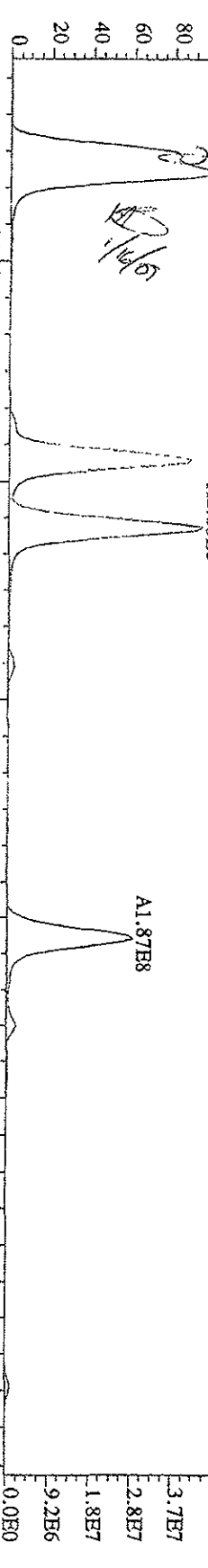


File: 151A09D9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltimaH  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 359.8415 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2244,0,0,00%,F,T)  
 100% A4.07E8

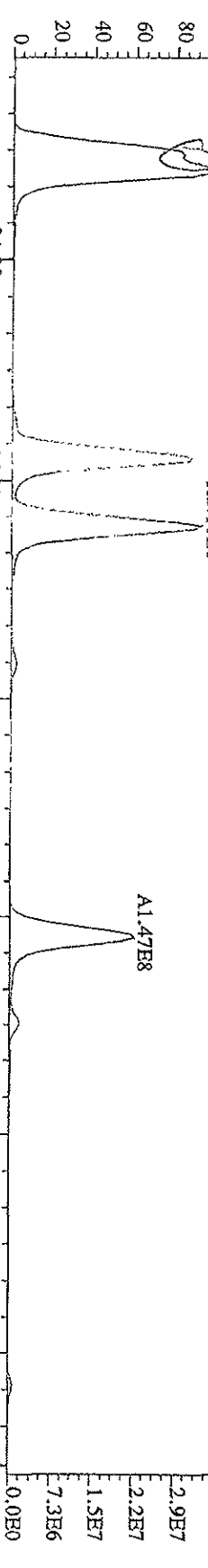


File: 151A09DD9D5 #1-395 Acq: 15-JAN-2009 22:59:23 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5

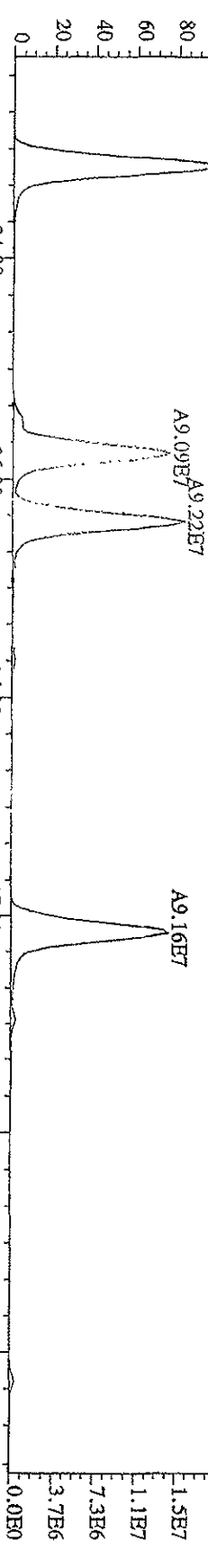
359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,27044,0,0,00%,F,T)  
 100%



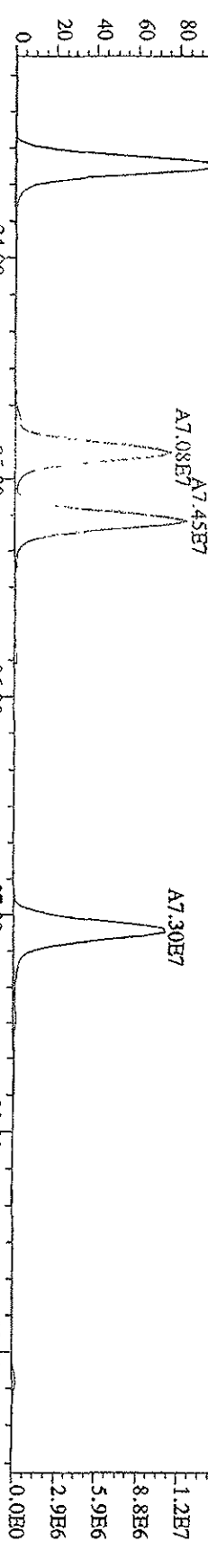
361.8385 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,21820,0,0,00%,F,T)  
 100%



371.8817 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7044,0,0,00%,F,T)  
 100%

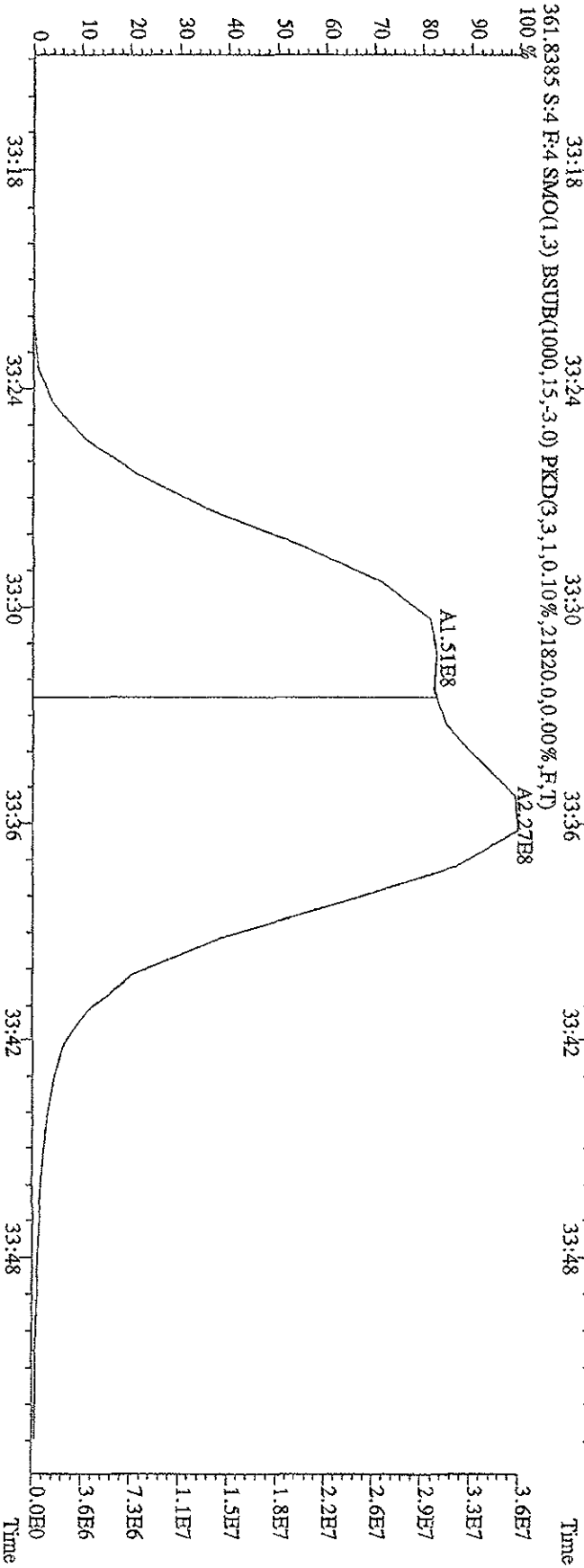
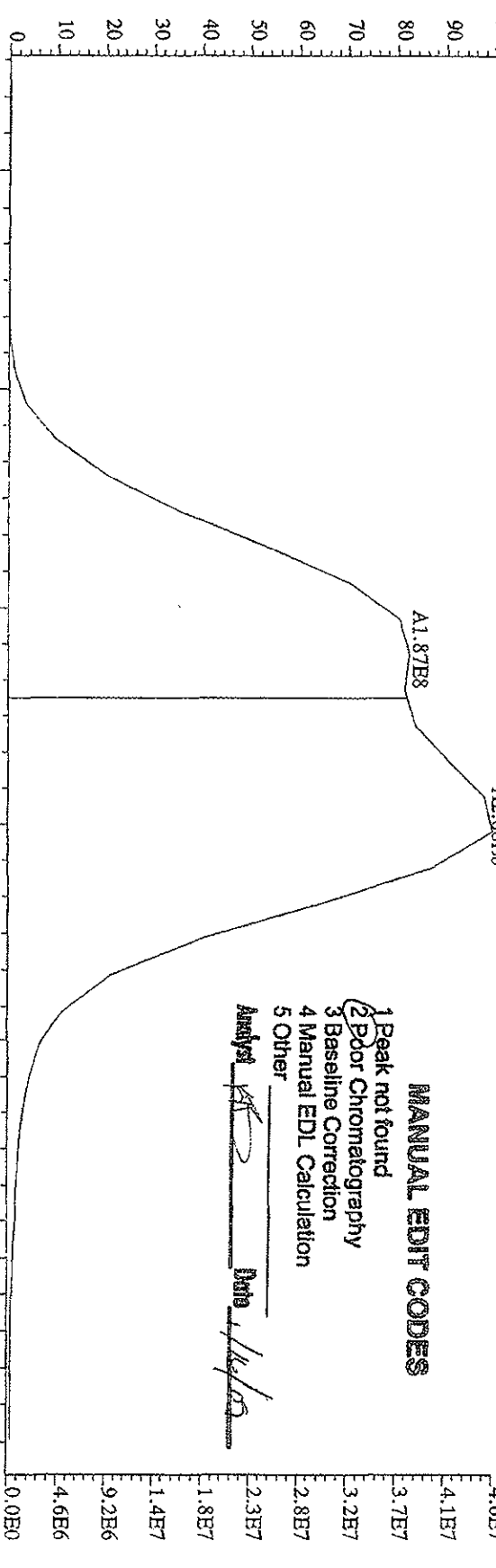


373.8788 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7548,0,0,00%,F,T)  
 100%

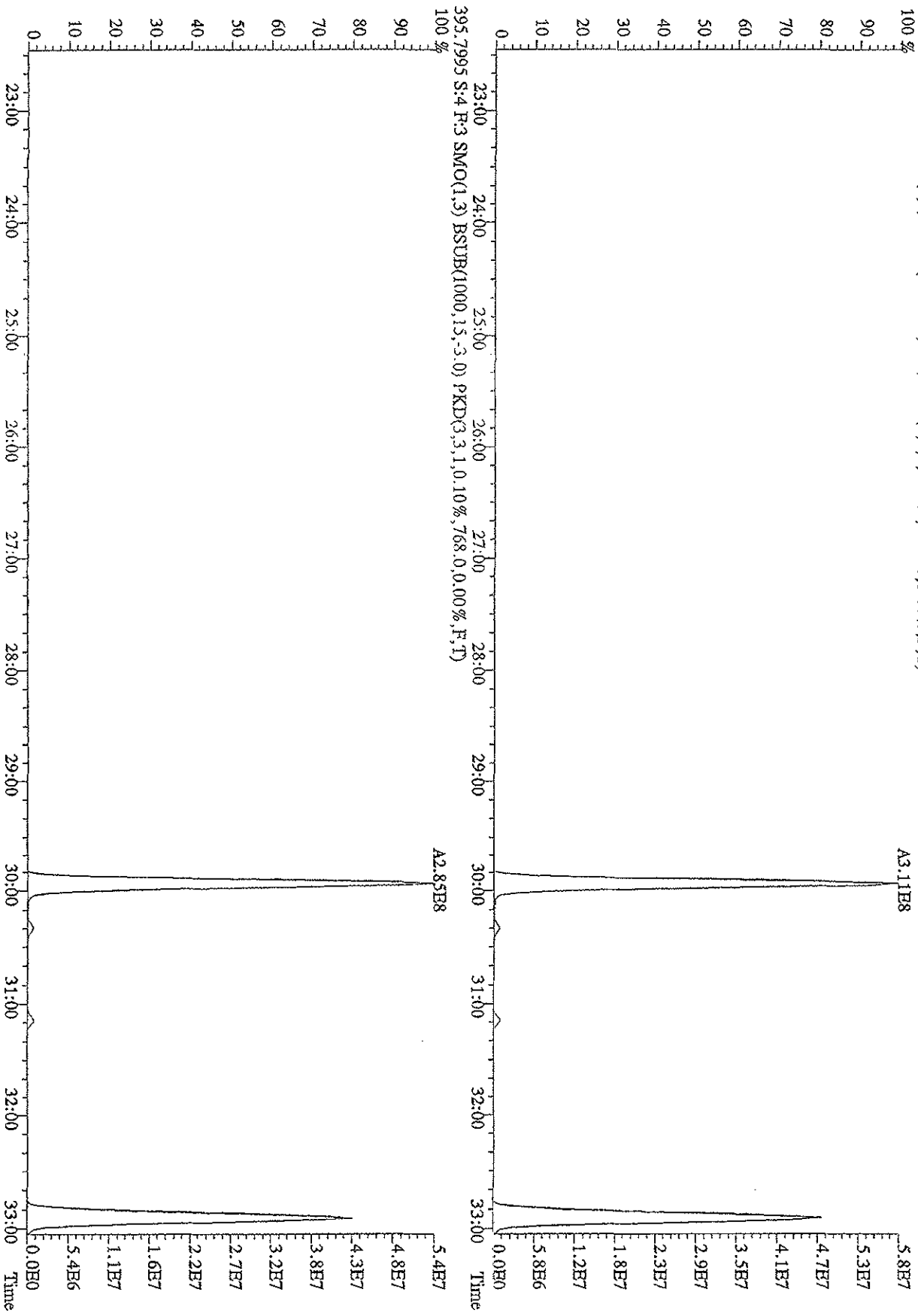




File:15IA09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DBS  
 359,8415 S:4 F:4 SMO(1,3) BSUB(1000,15,3.0) PKD(3,3,1,0,10%,27044,0,0.00%,F,T)

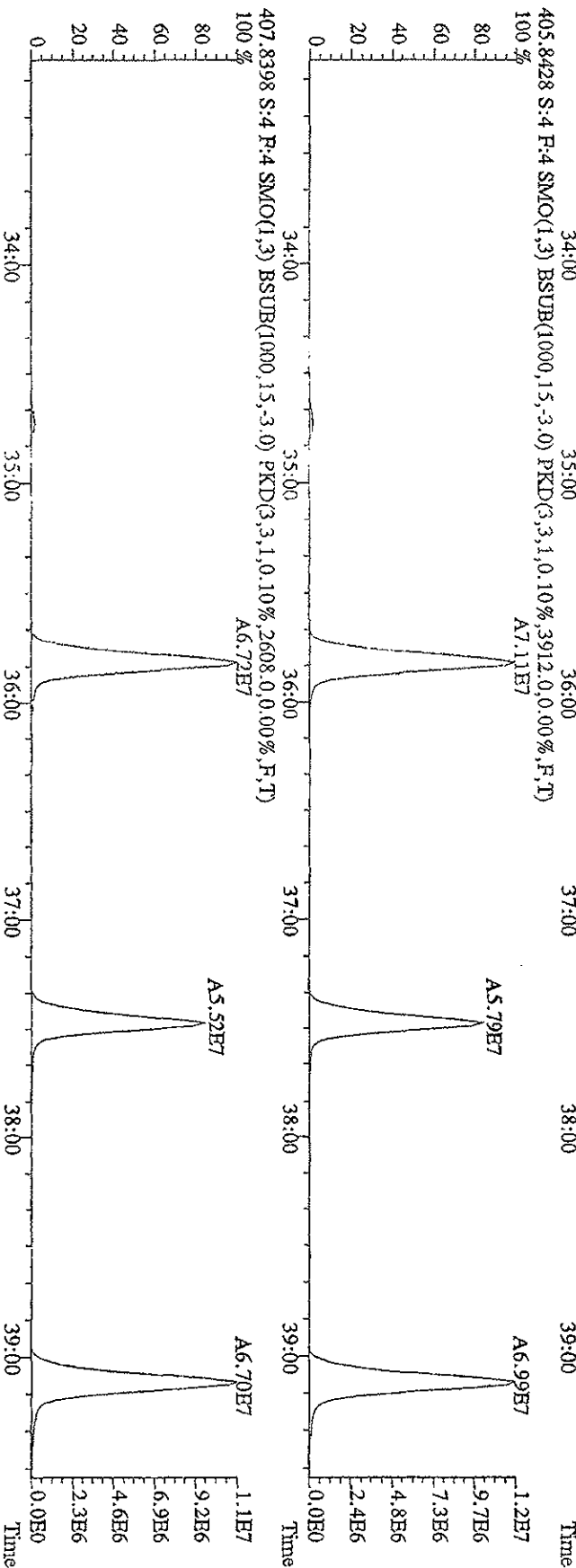
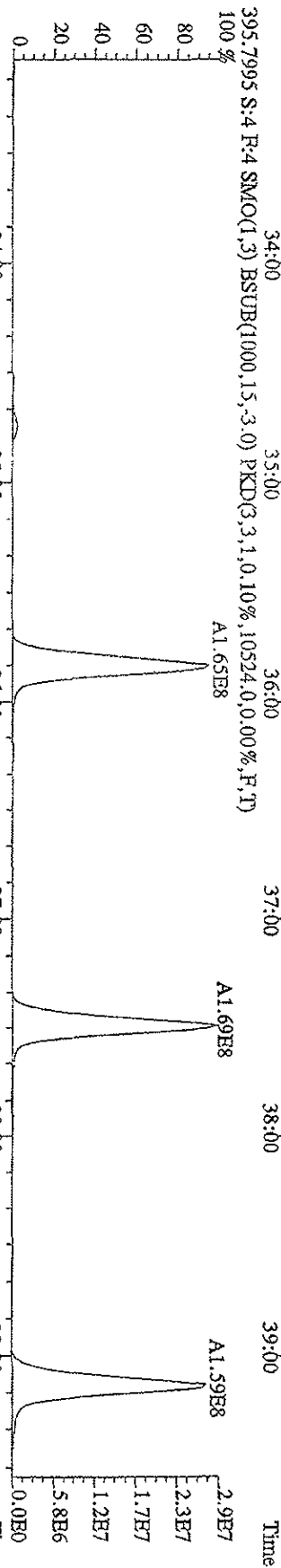
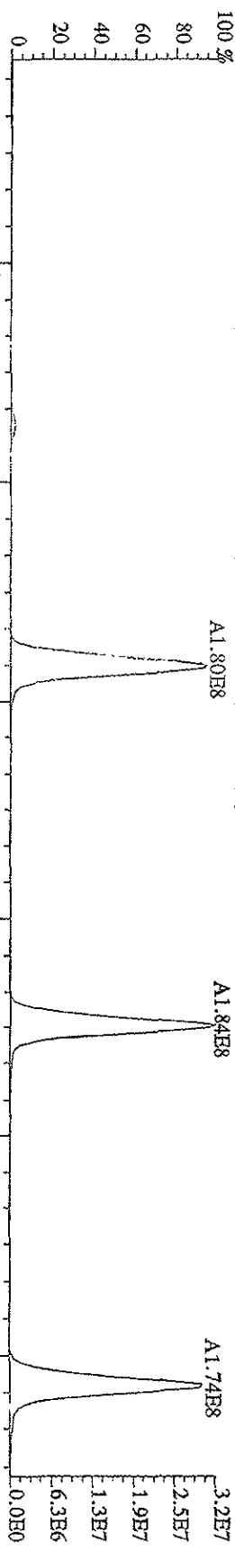


File:15JA09D9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 393.8025 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,4776,0,0.00%,F,T)  
 100 %

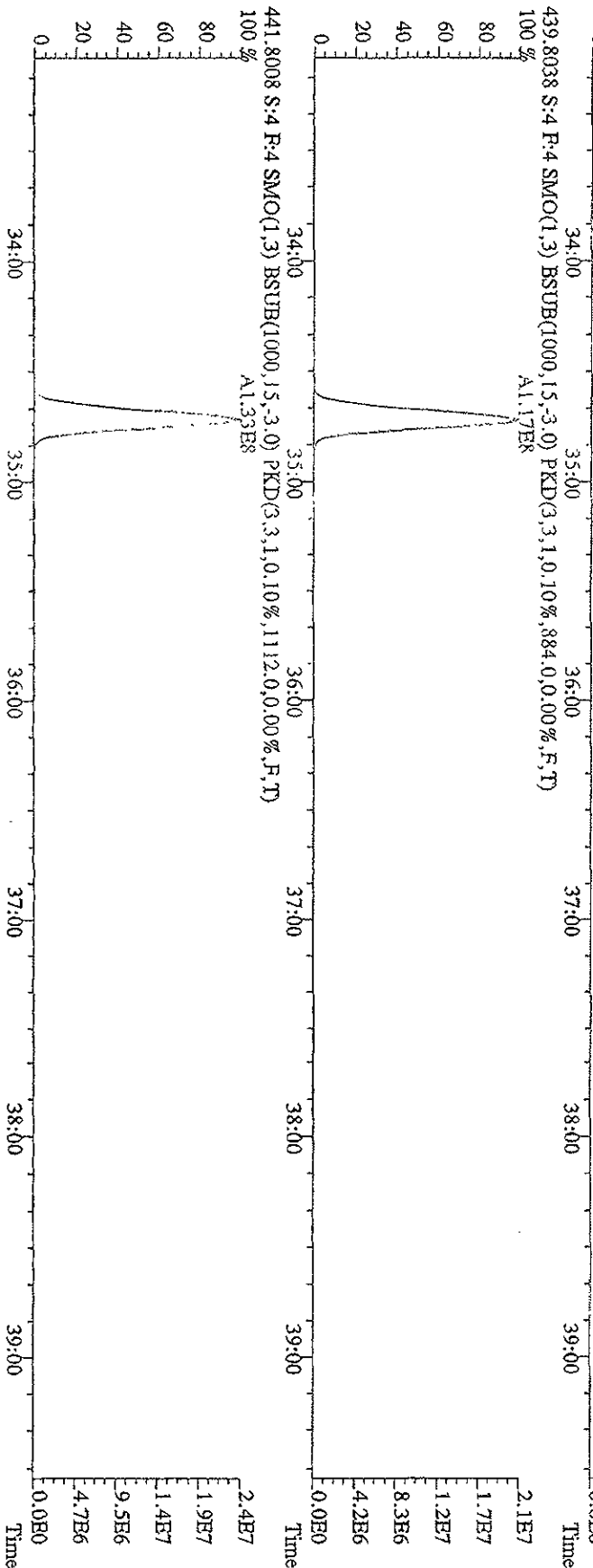
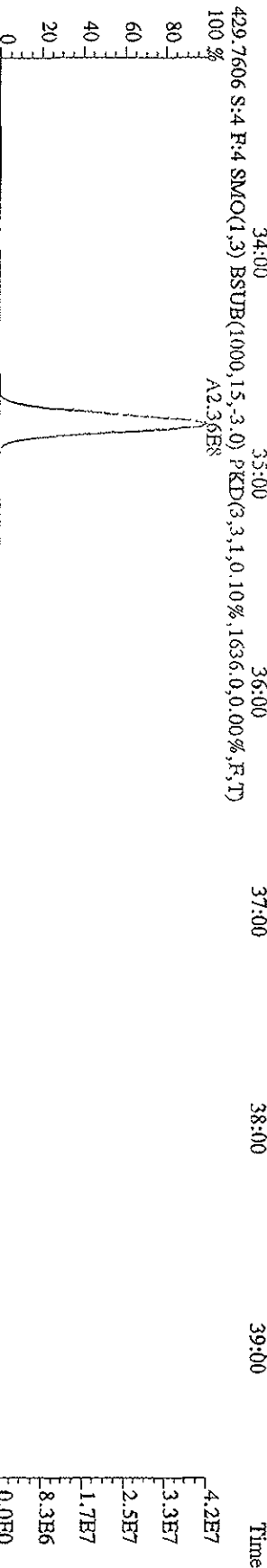
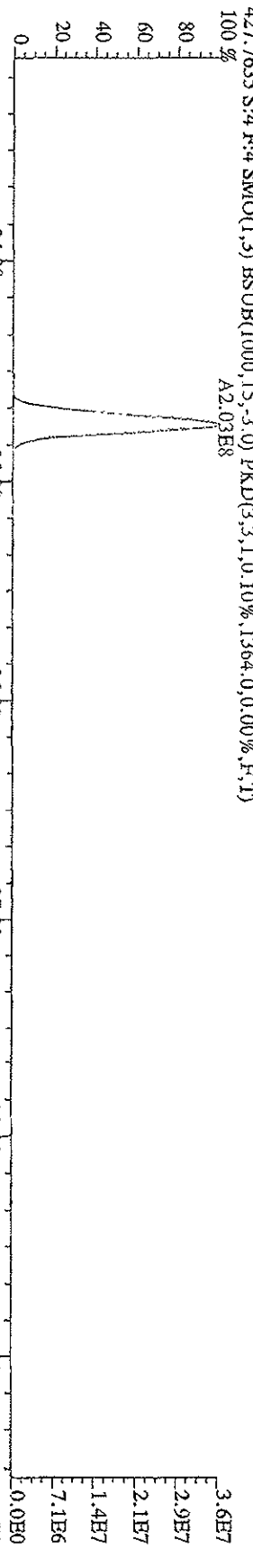


File:151A09DD9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC-RI+ Voltage SIR Autospec-Ultimate

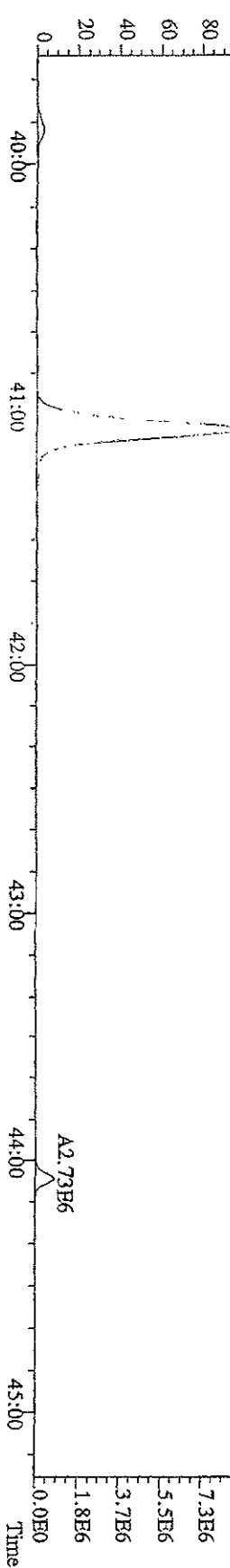
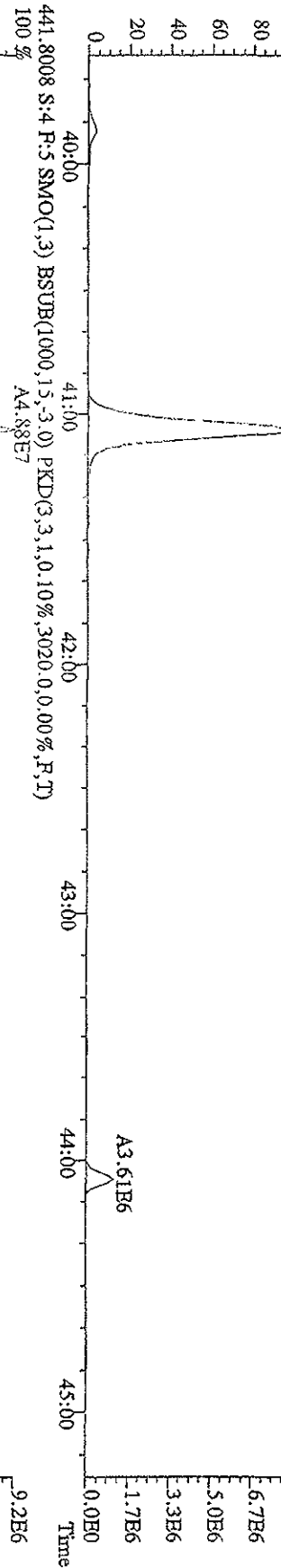
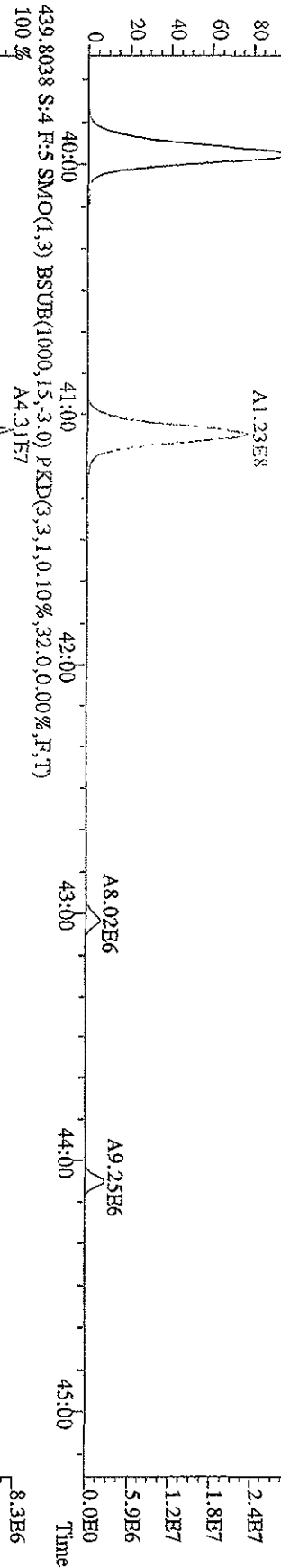
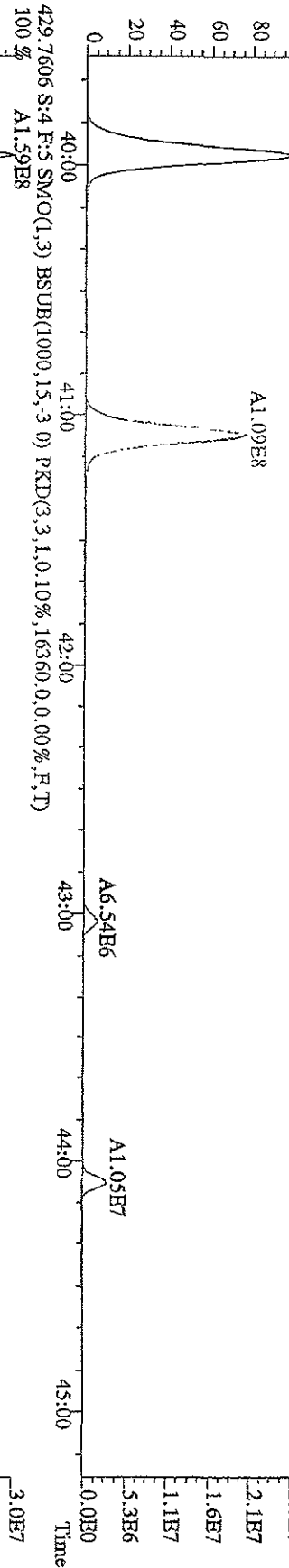
Sample#4 Text:ST0115C :CS4.09DXN017 Exp:209DB5



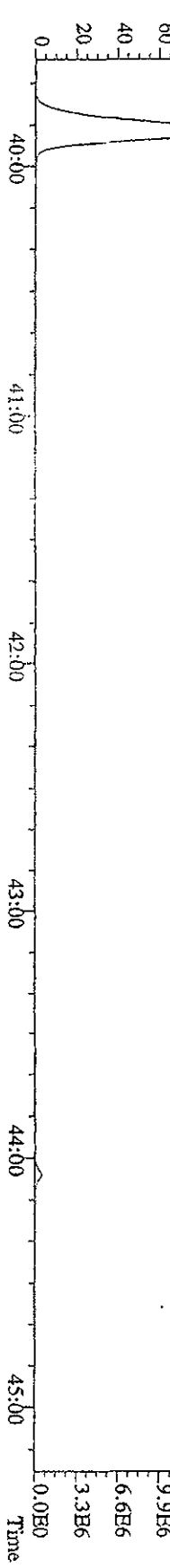
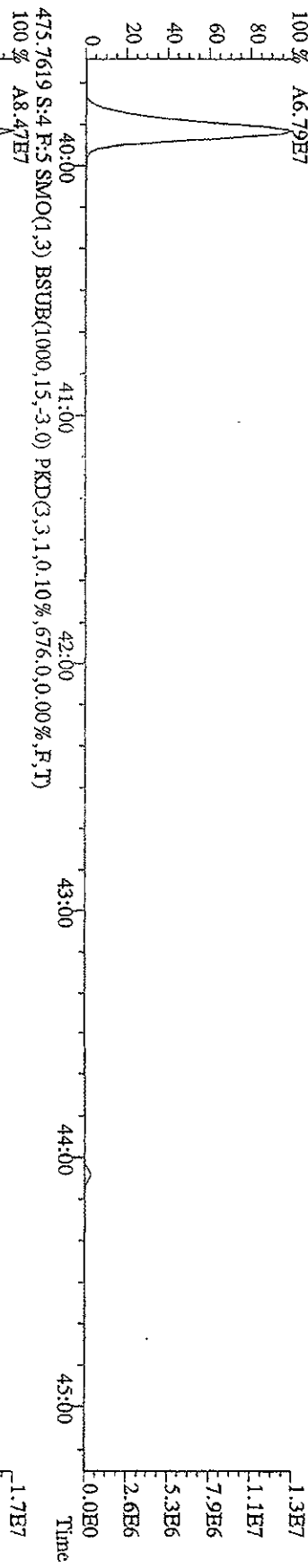
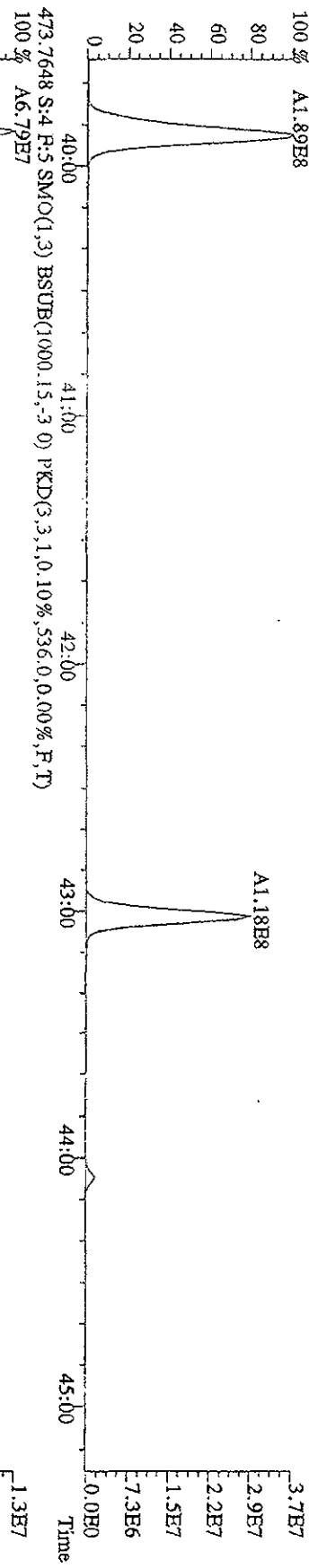
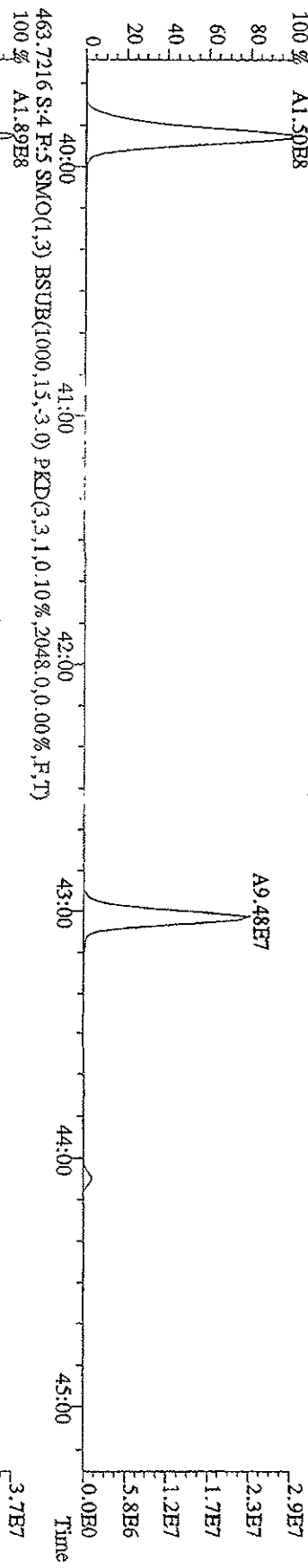
File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC FI+ Voltage STR Autospec-UHimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5



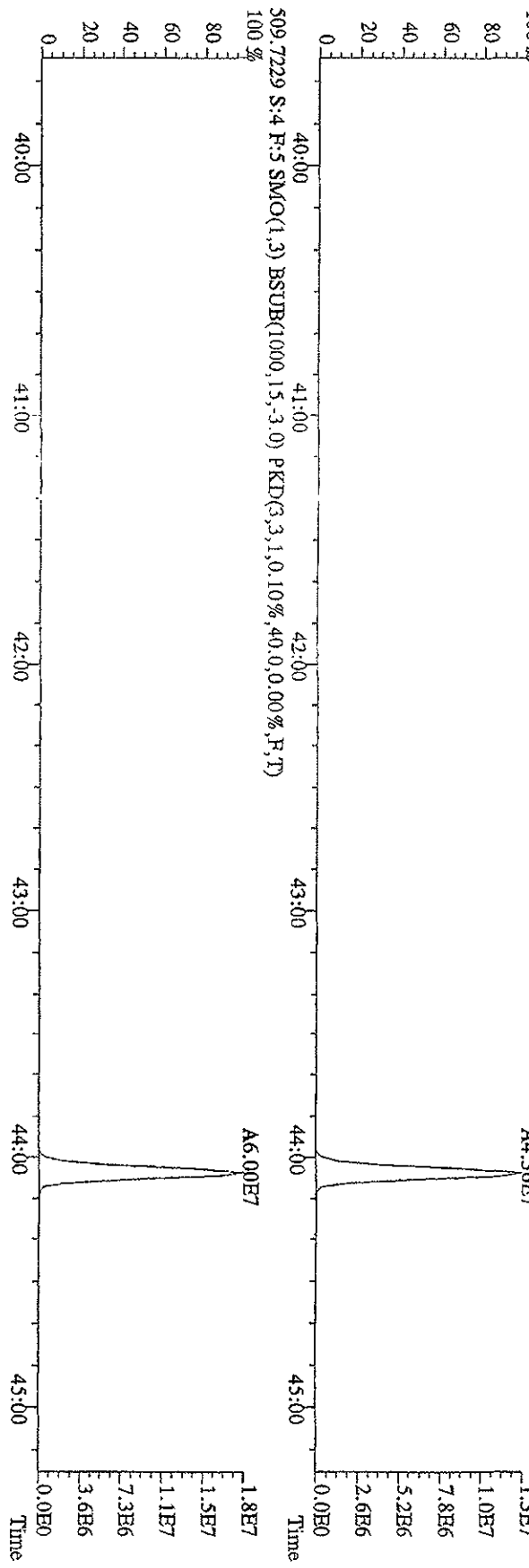
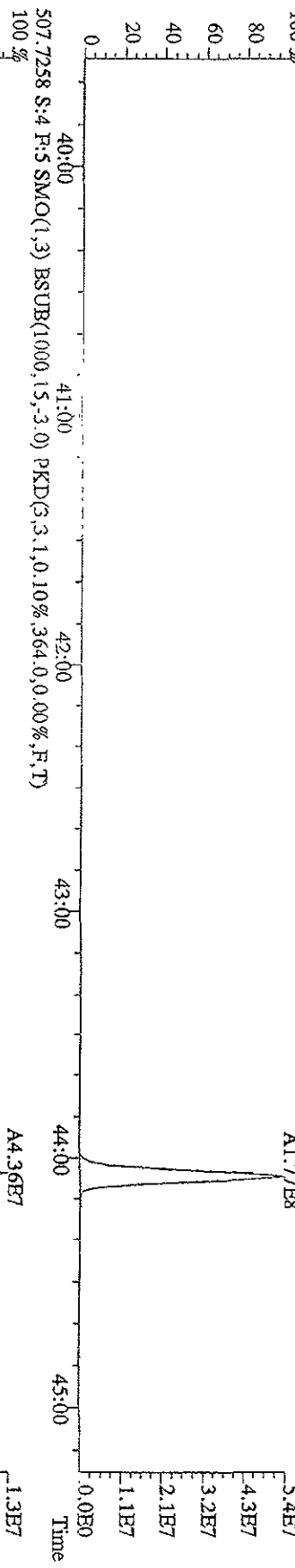
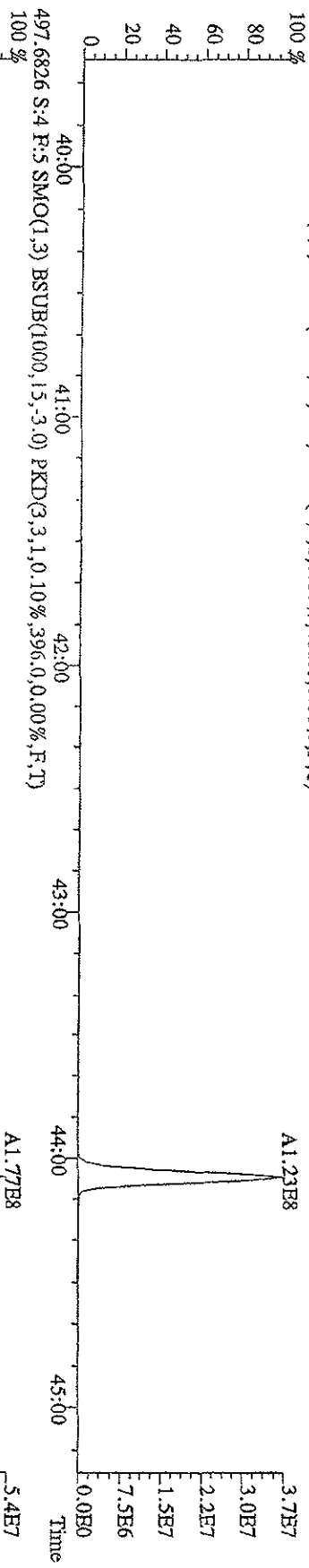
File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC BI+ Voltage STR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 427.7635 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKID(3,3,1,0,10%,18184,0,0,00%,F,T)



File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 461.7245 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1952,0,0,00%,F,T)  
 100% A1.50E8



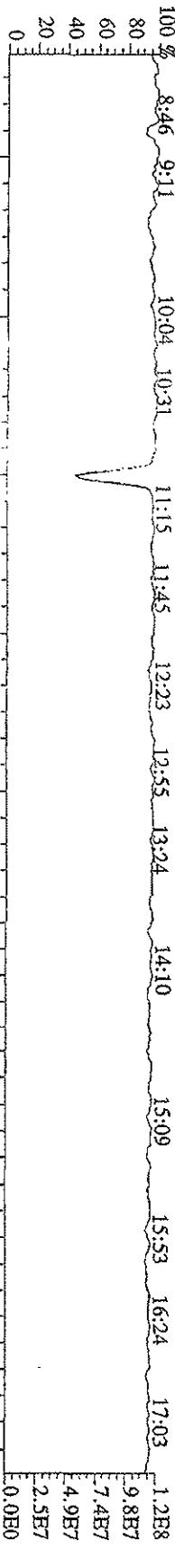
File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 495.6856 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,408.0,0.00%,F,T)



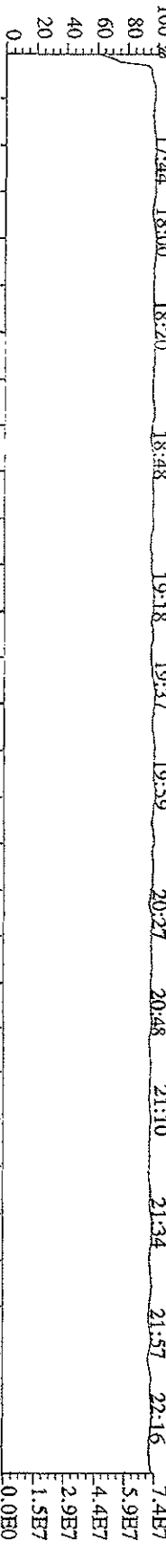
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage:SR Autospec-Ultimate

Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5

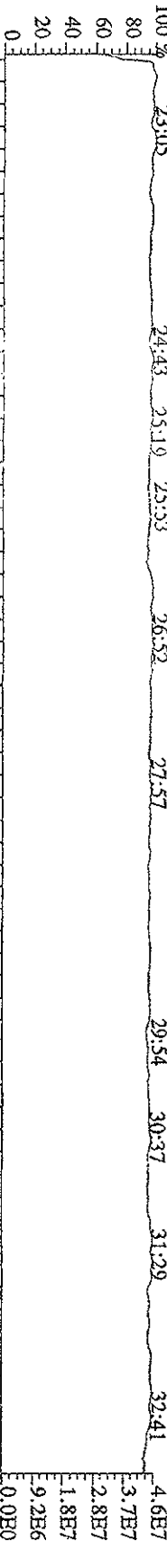
218.9856 S:4 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



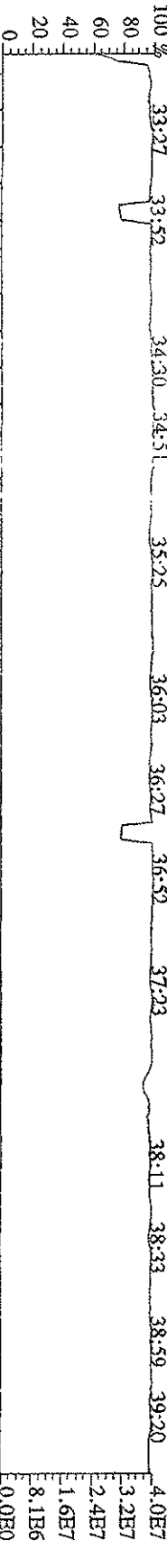
330.9792 S:4 F:2 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



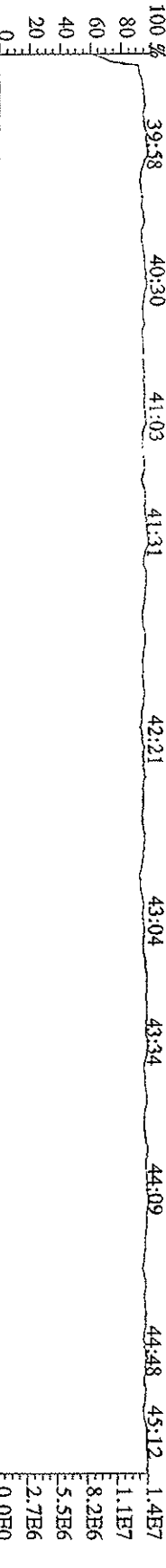
380.9760 S:4 F:3 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



380.9760 S:4 F:4 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)

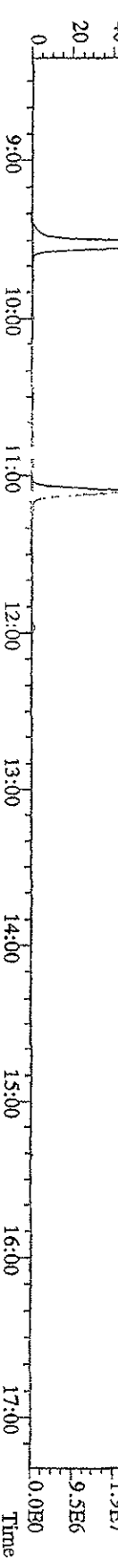
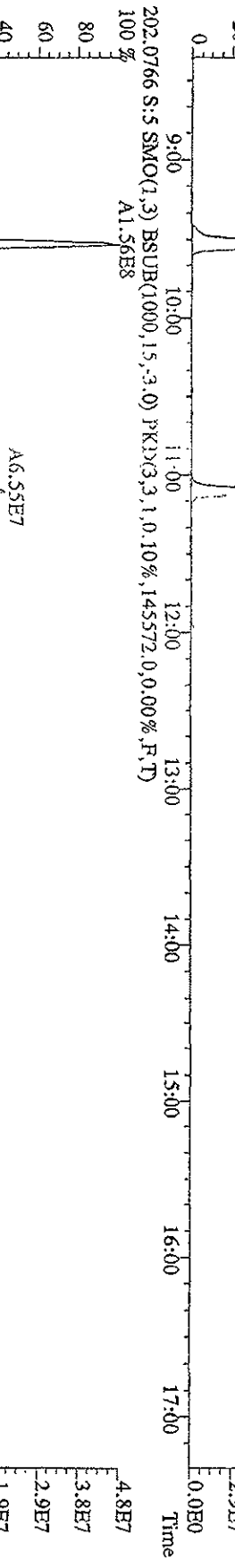
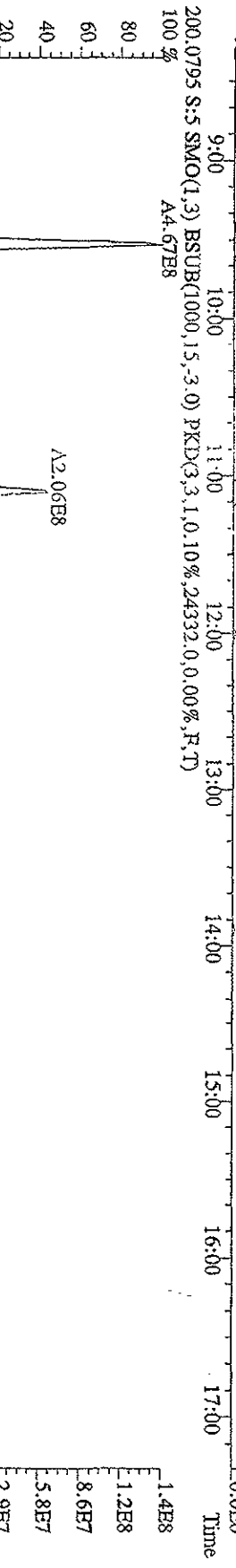
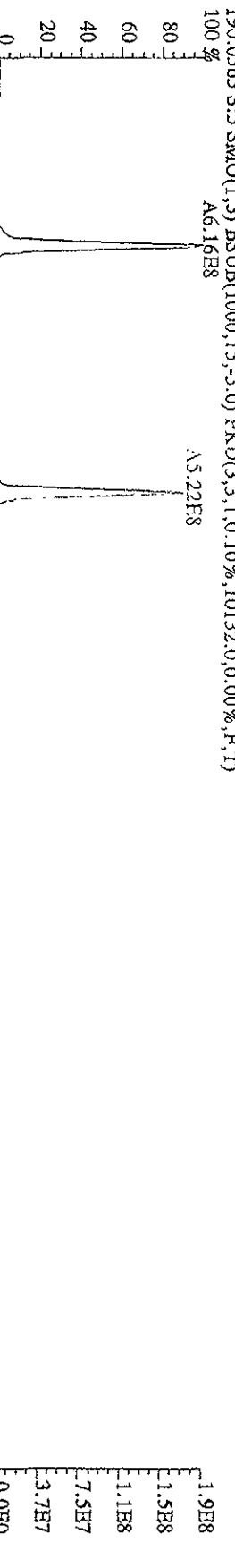
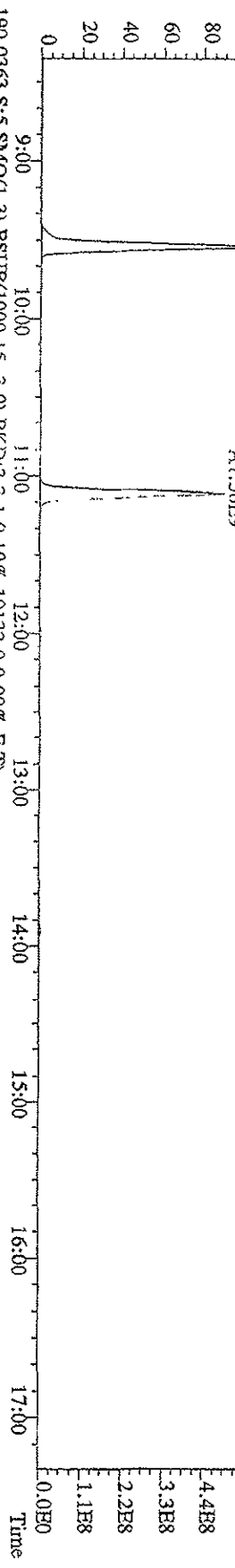


480.9696 S:4 F:5 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)

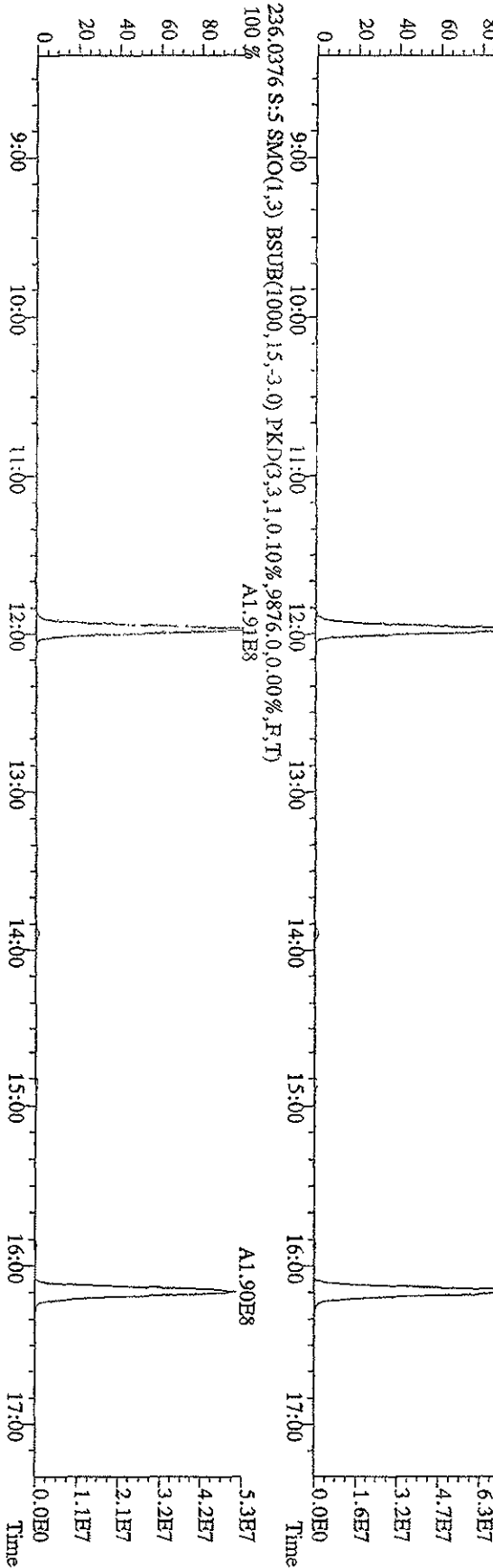
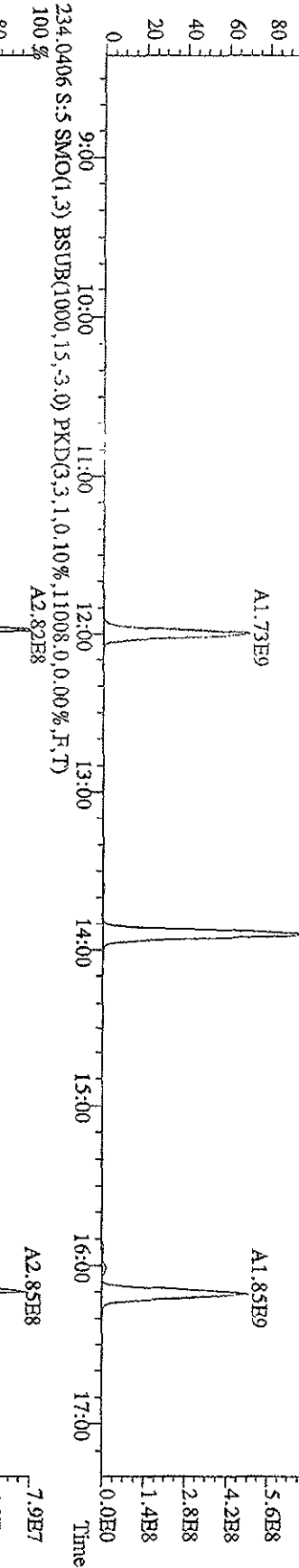
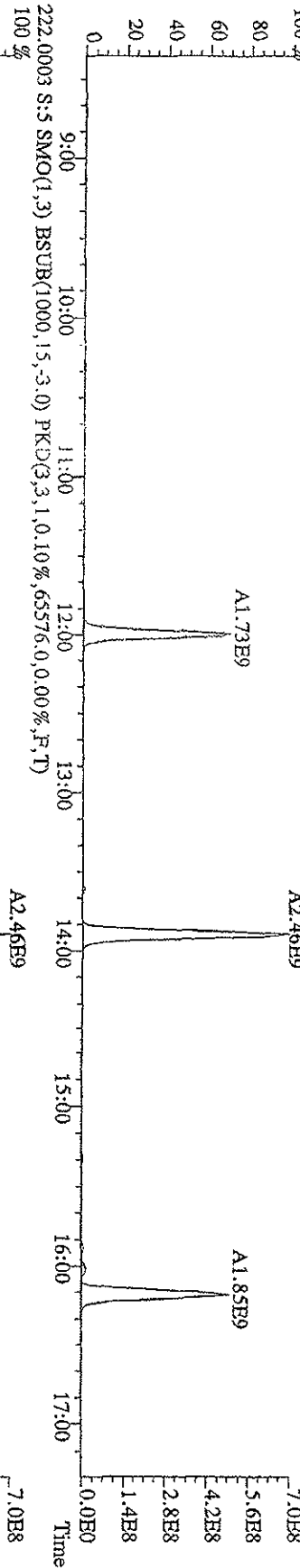




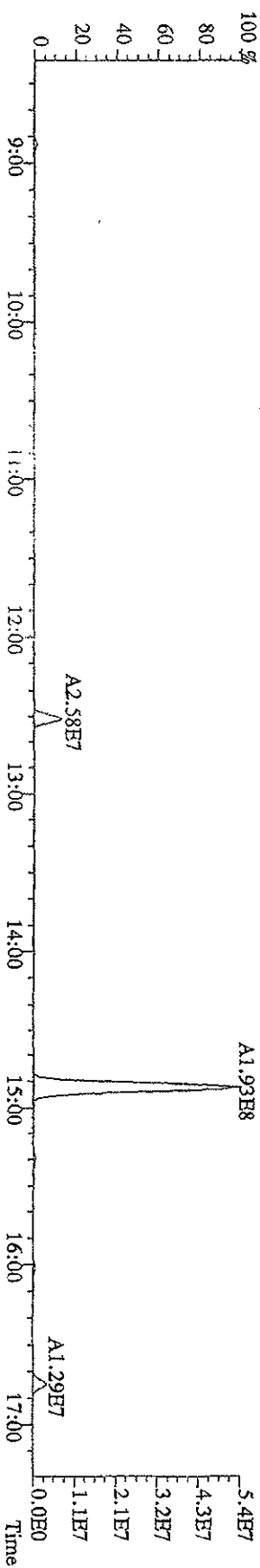
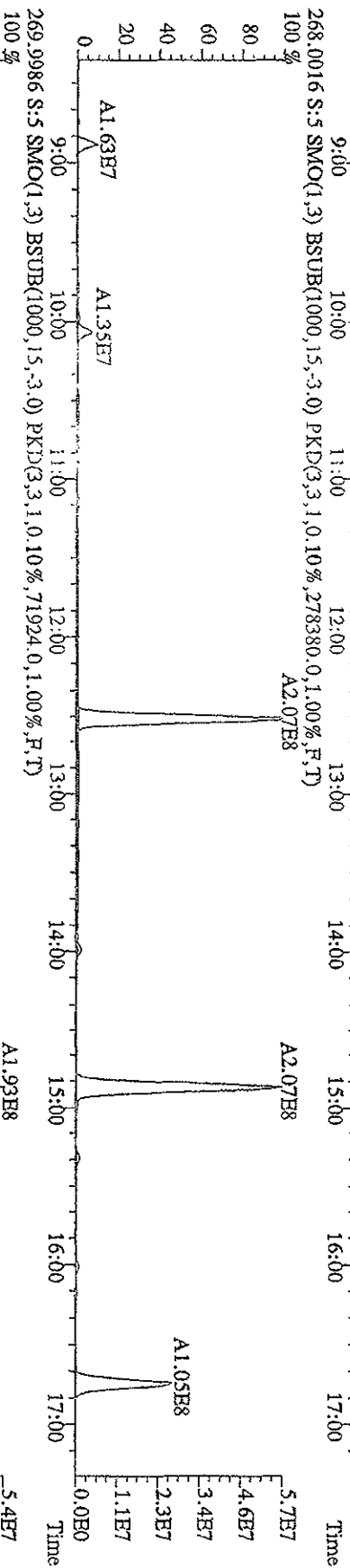
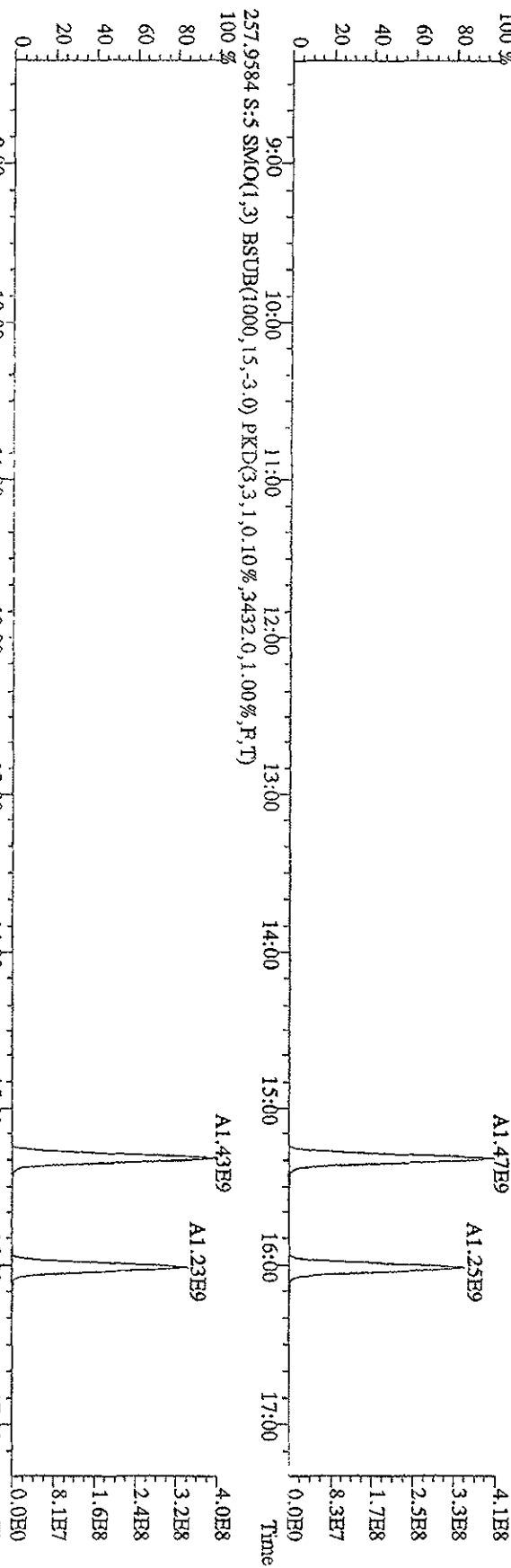
File:151A09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage STR Autospec-UHimat  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 188.0393 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,20796,0,0,00%,F,T)  
 100% A1.85E9



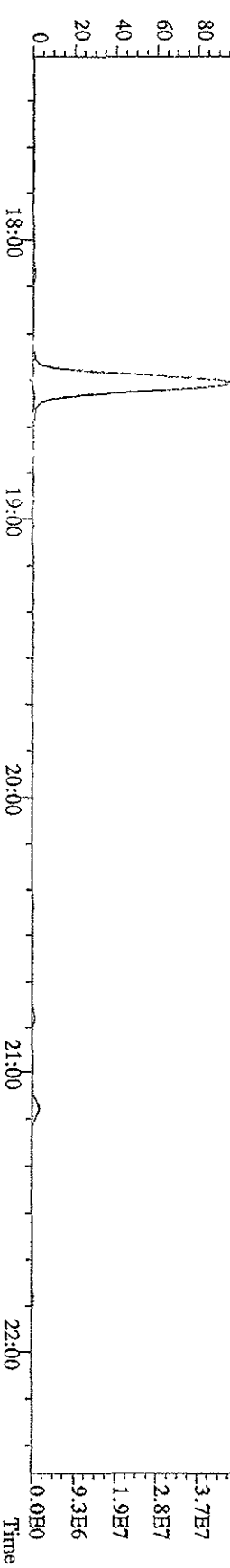
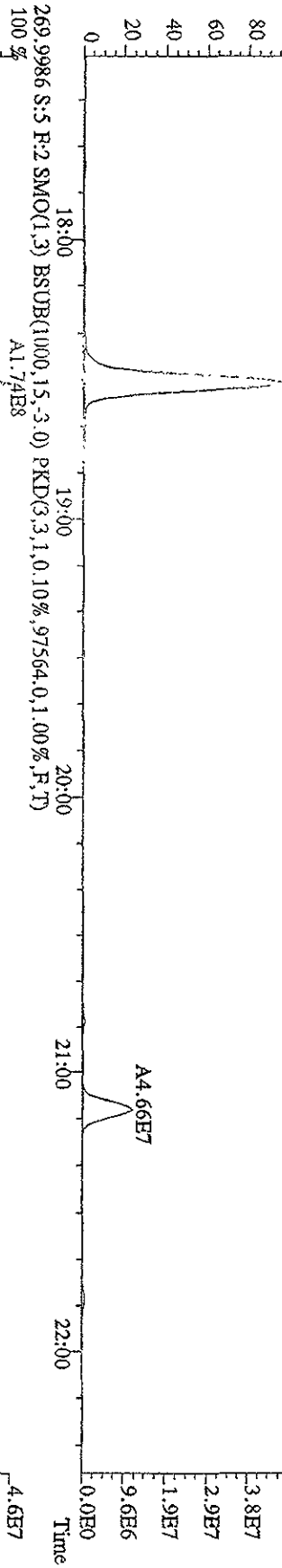
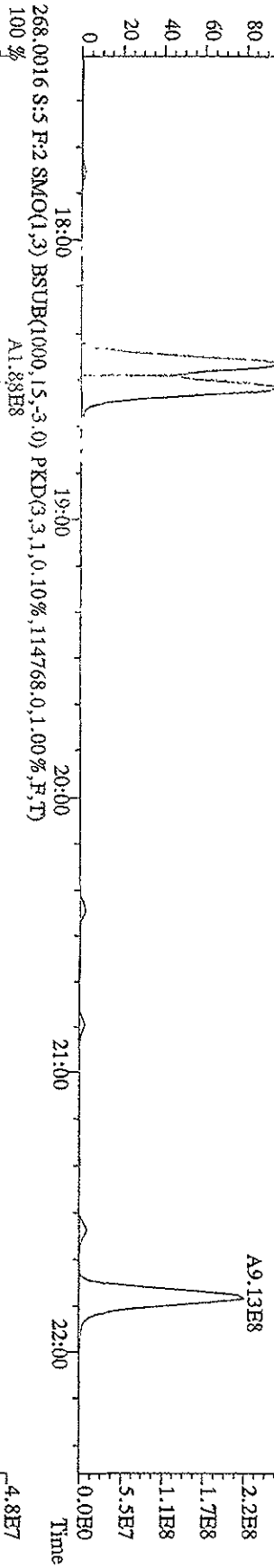
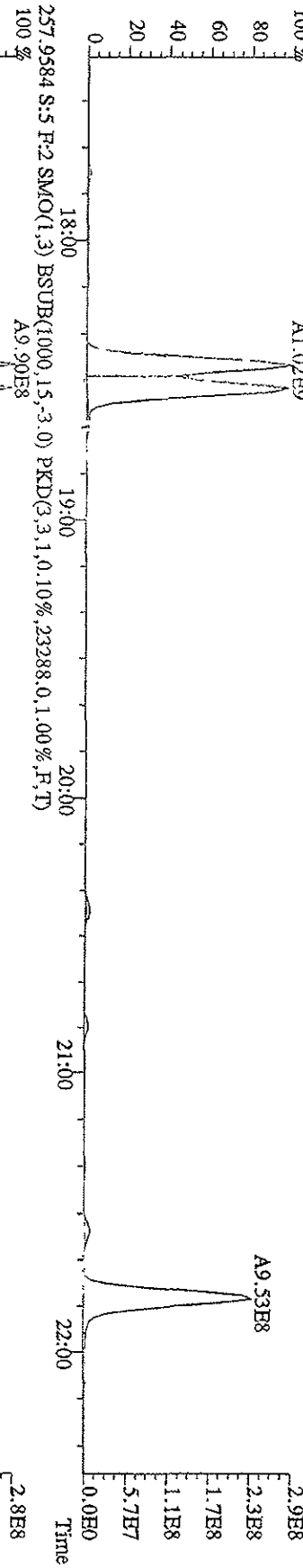
File:151A09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 222.0003 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,65576,0,0,00%,F,T)



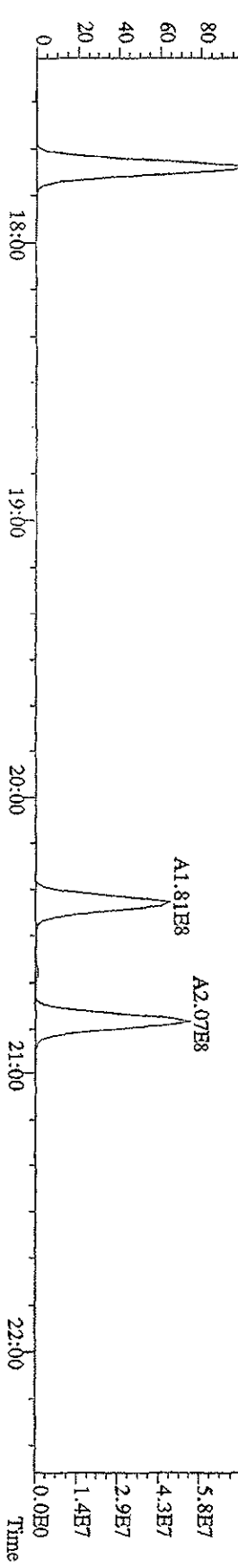
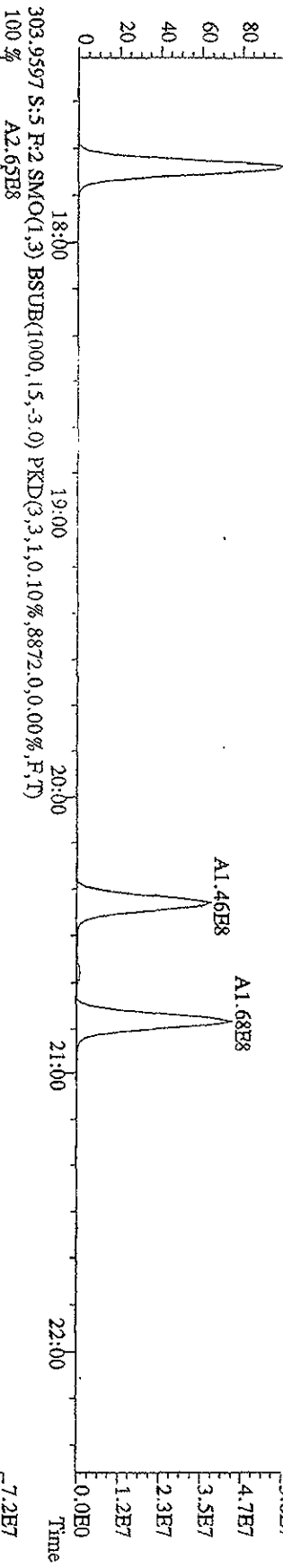
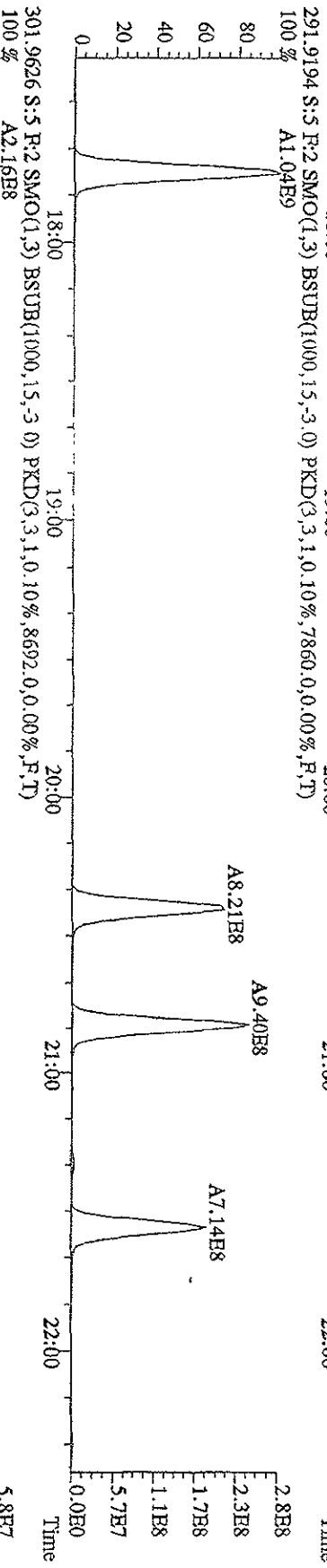
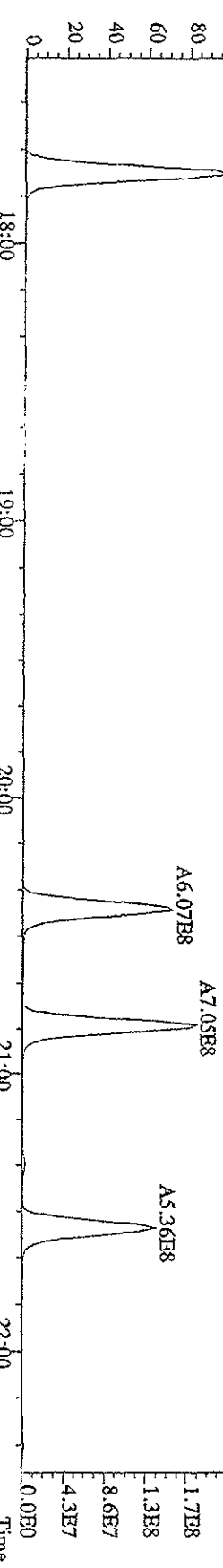
File:151A09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Utmart  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 255.9613 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,6440.0,1.00%,F,T)



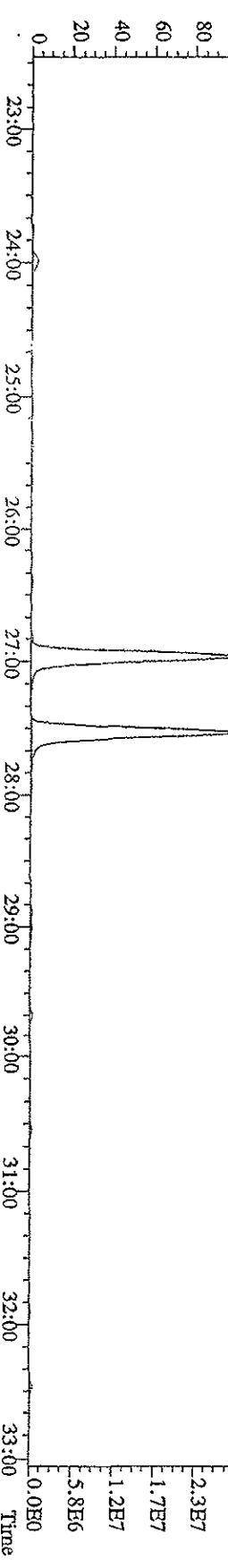
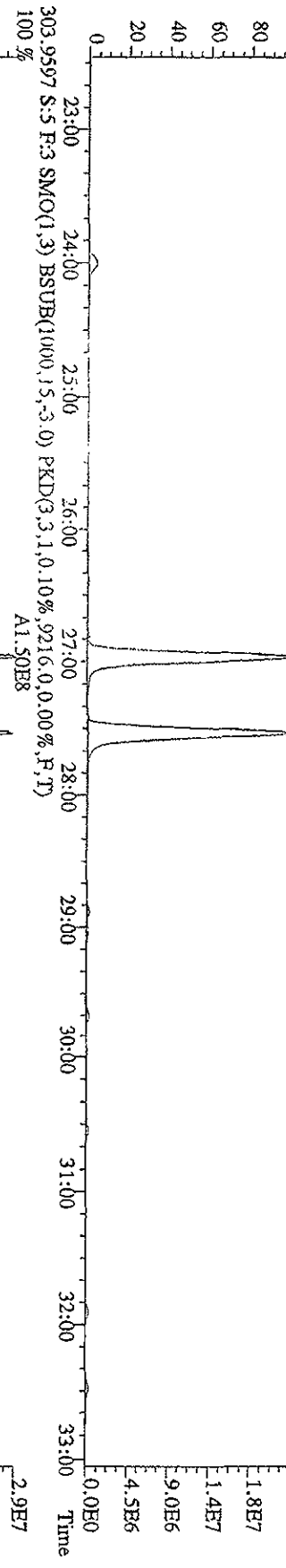
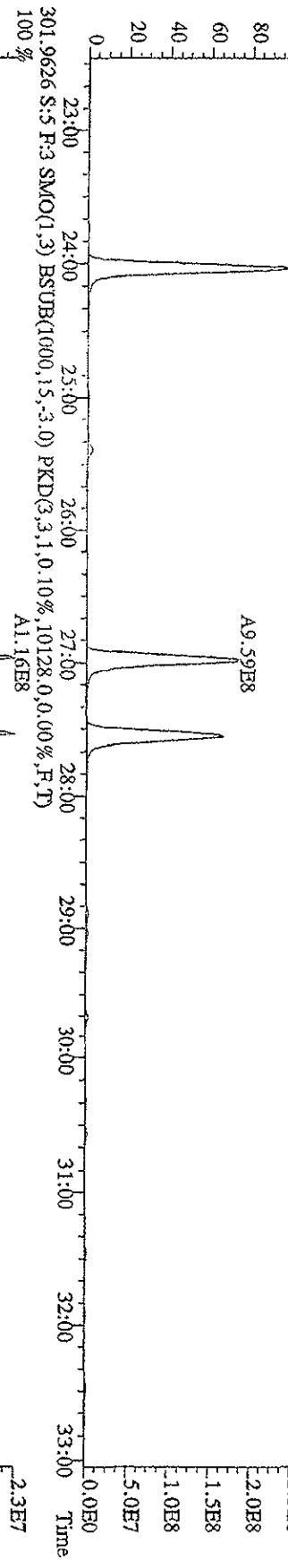
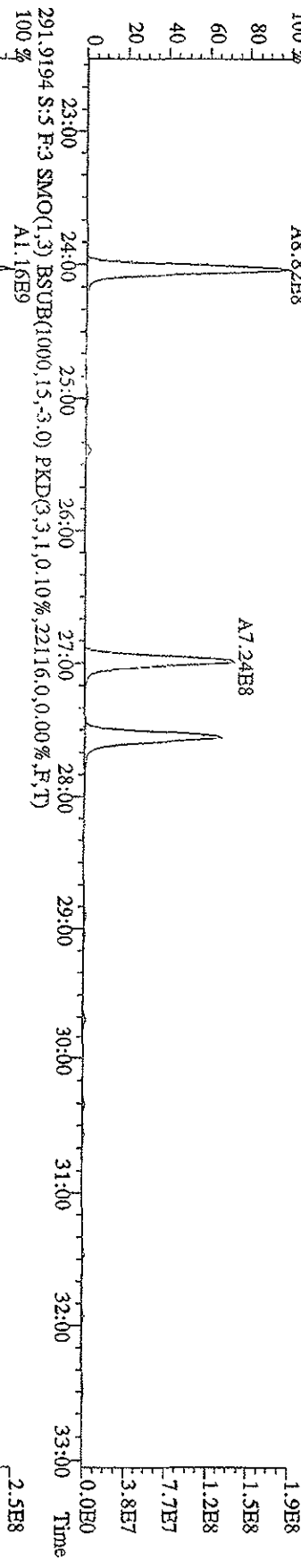
File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage: SFR Autospec-Ultimate  
 Sample#5 Text: ST0115D :CSS 09DXIN018 Exp: 209DB5  
 255.9613 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,.30152,0,1,00%,F,T)  
 100%



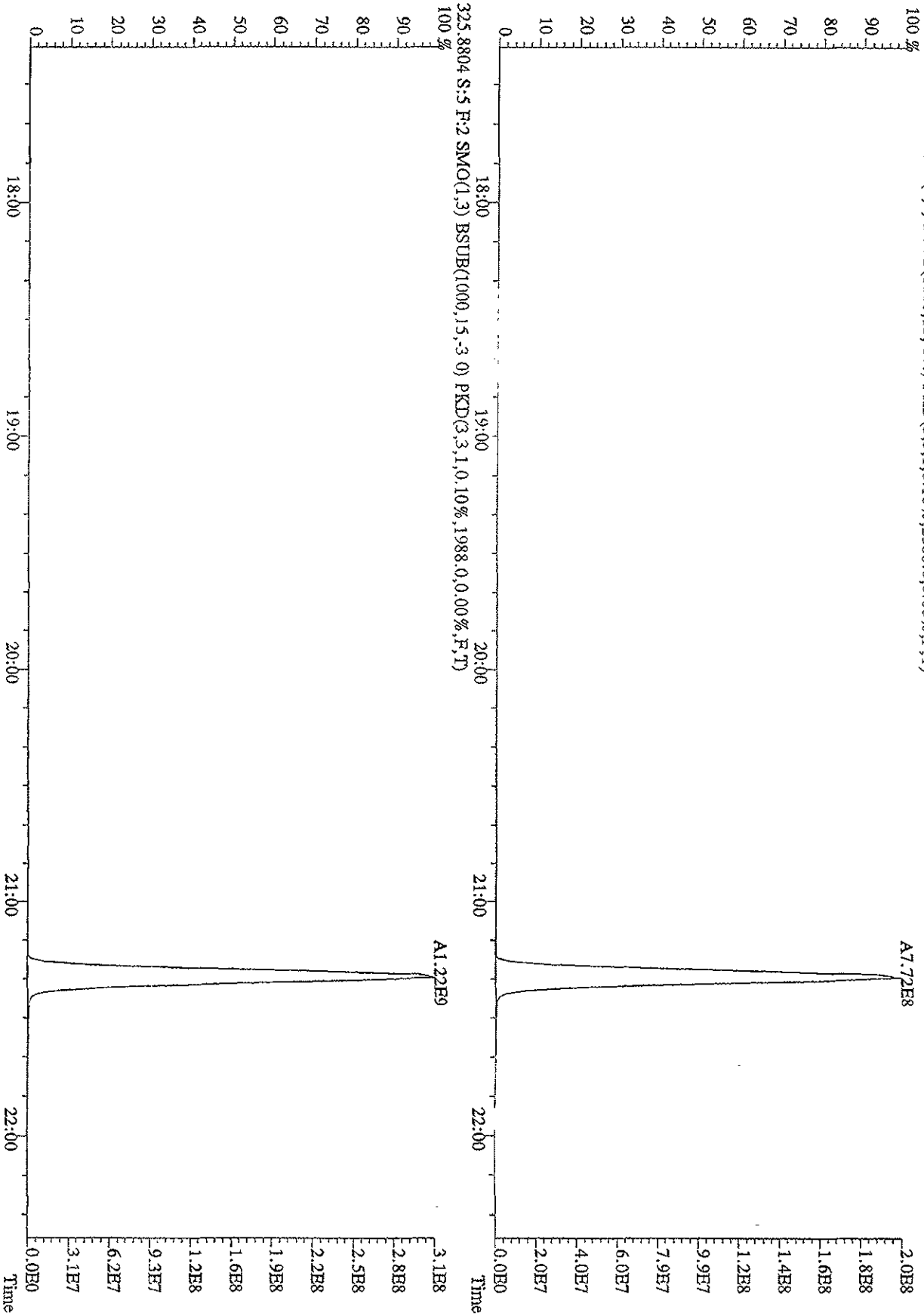
File:151A09D9D5 #1-371 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UHimaE  
 Sample#5 Text:ST0115D :CSS 09DXN018 EXP:209DB5  
 289.9224 S:5 F:2 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,6504,0,0.00%,F,T)



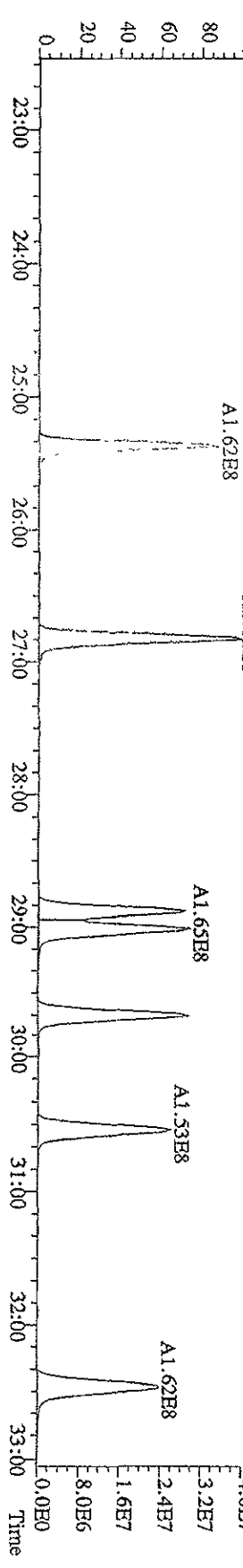
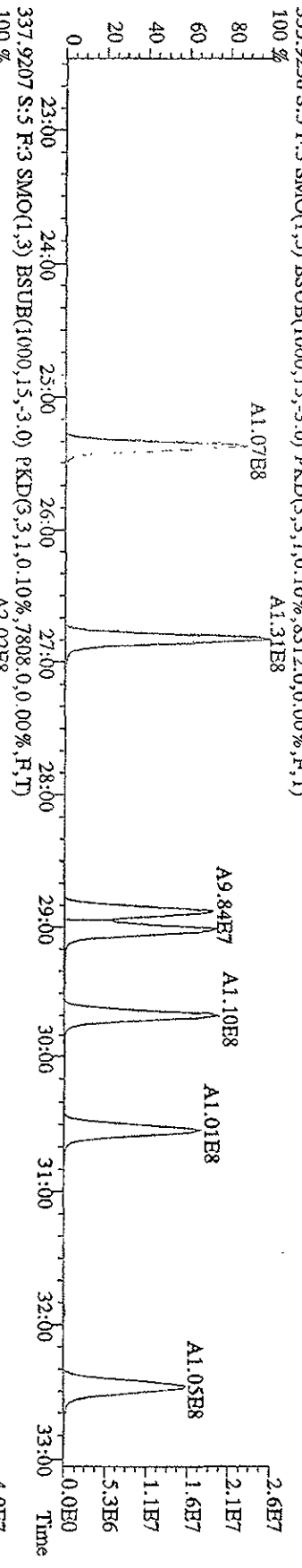
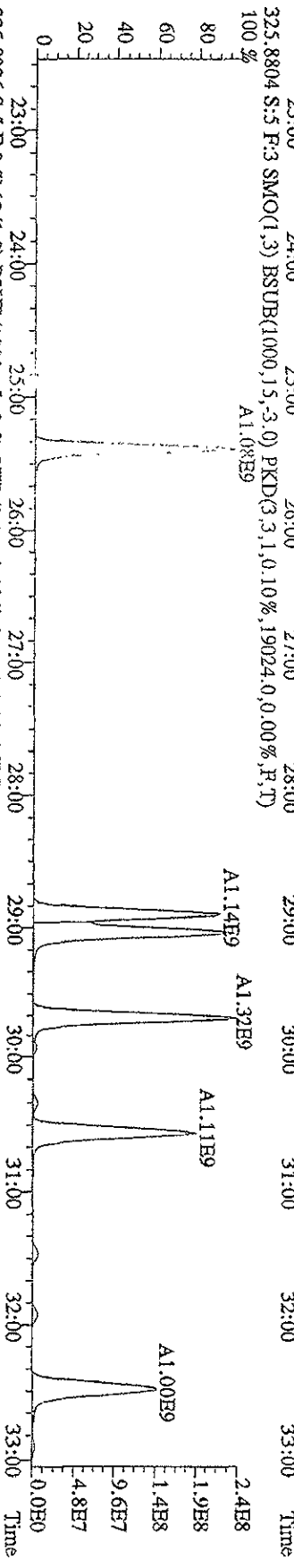
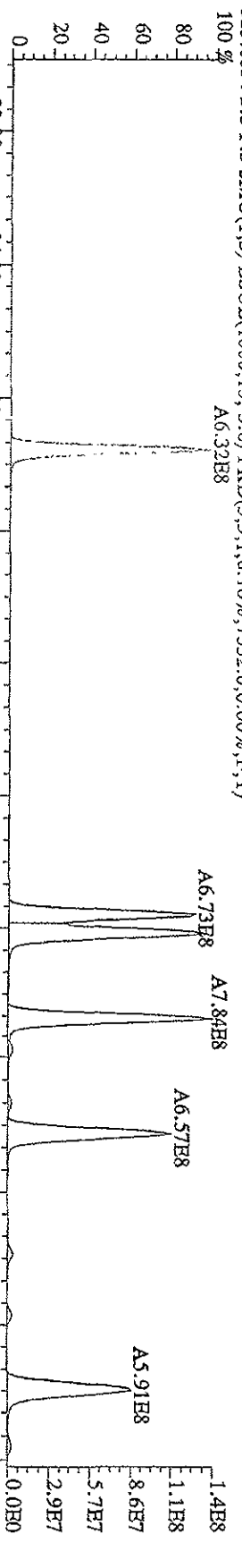
File:151A09D9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,17240,0,0,00%,F,T)  
 100 % A8.82E8



File: 151A09DD9D5 #1-371 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: ST0115D :CS5 09DDXN018 Exp: 209DB5  
 325.8834 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1988,0,0,00%,F,T)  
 100%

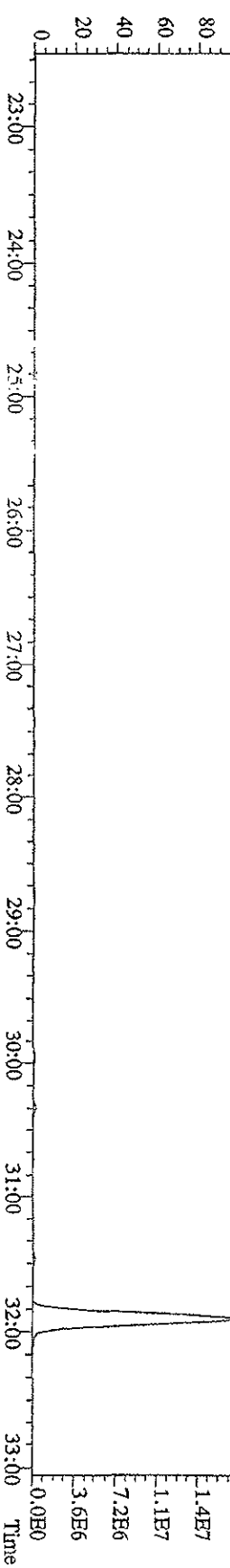
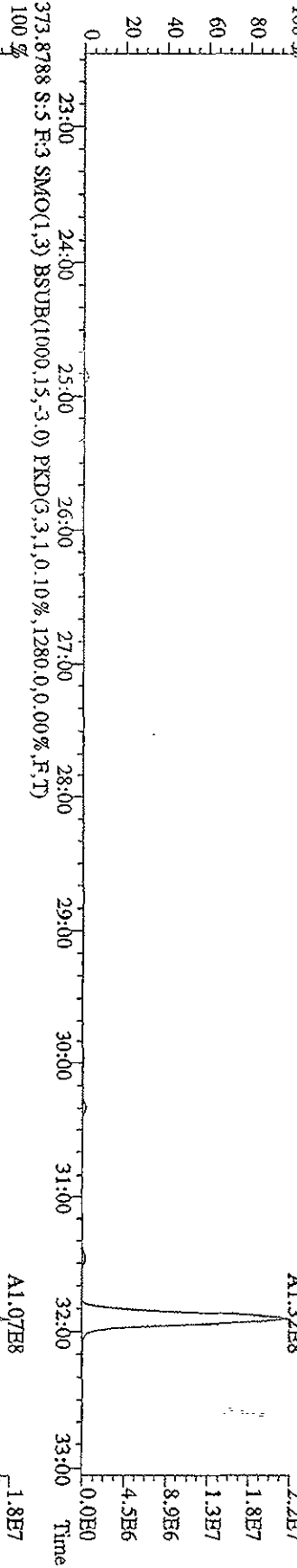
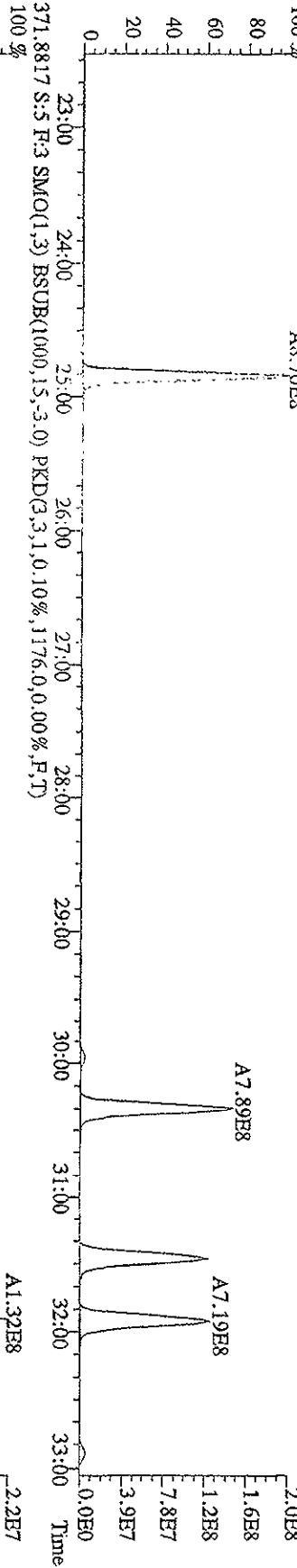
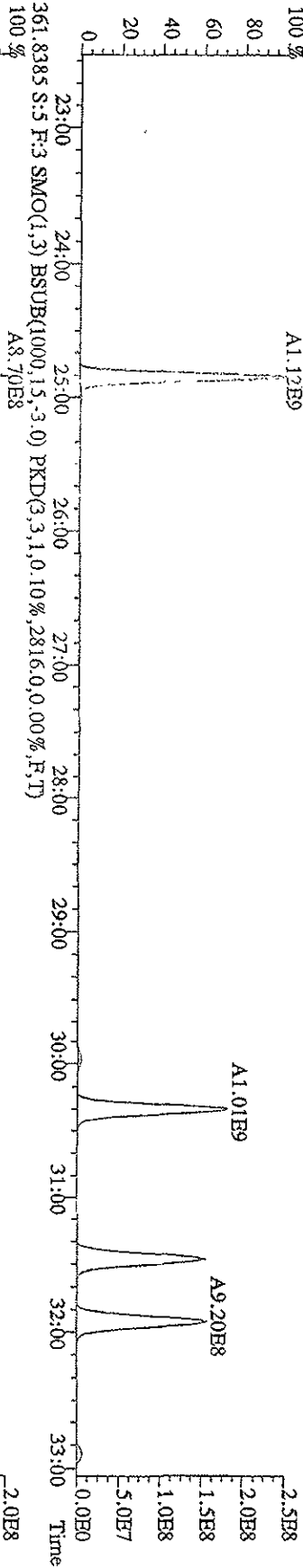


File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 23:50:45 GC FI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5

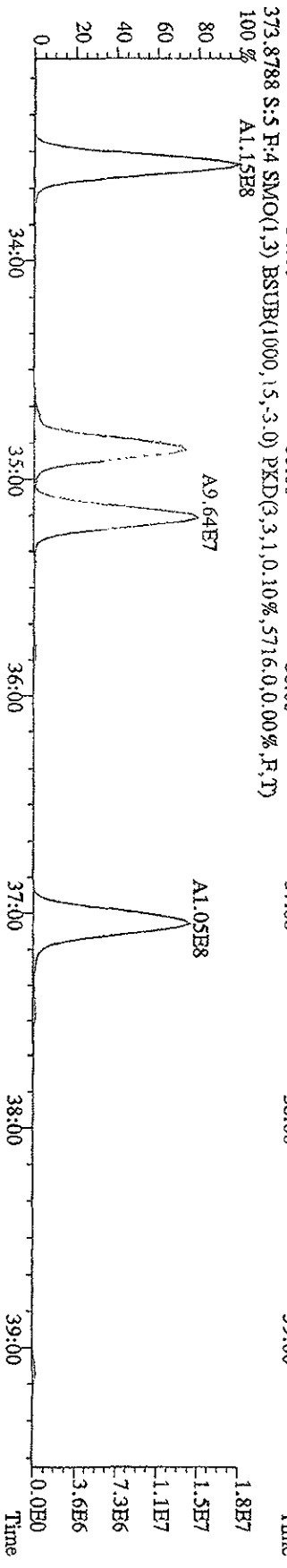
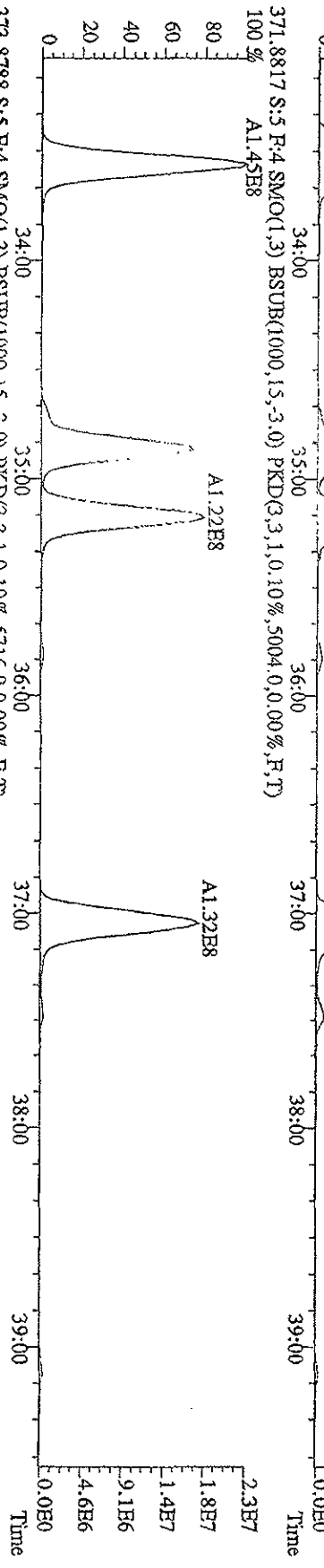
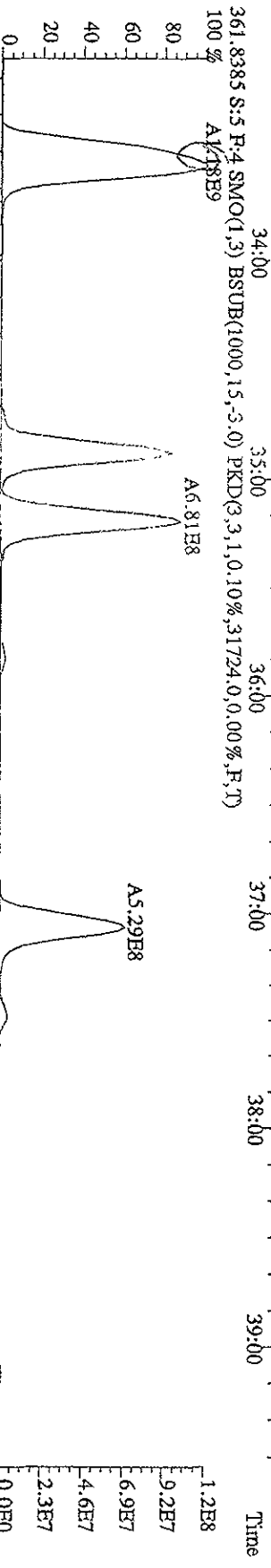
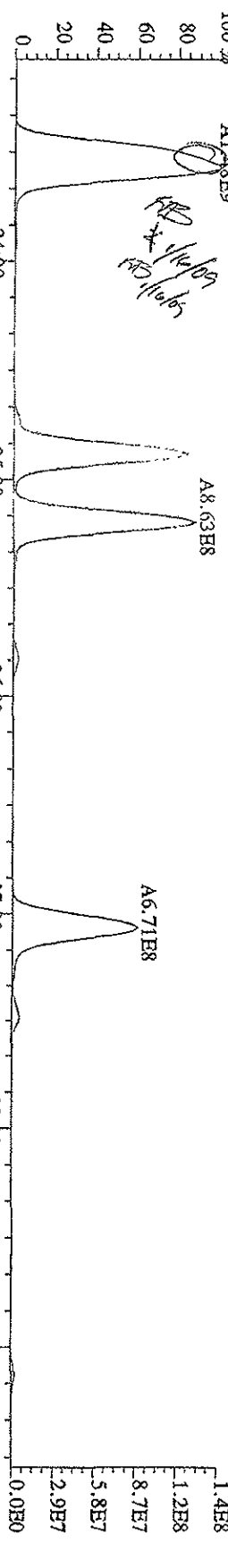




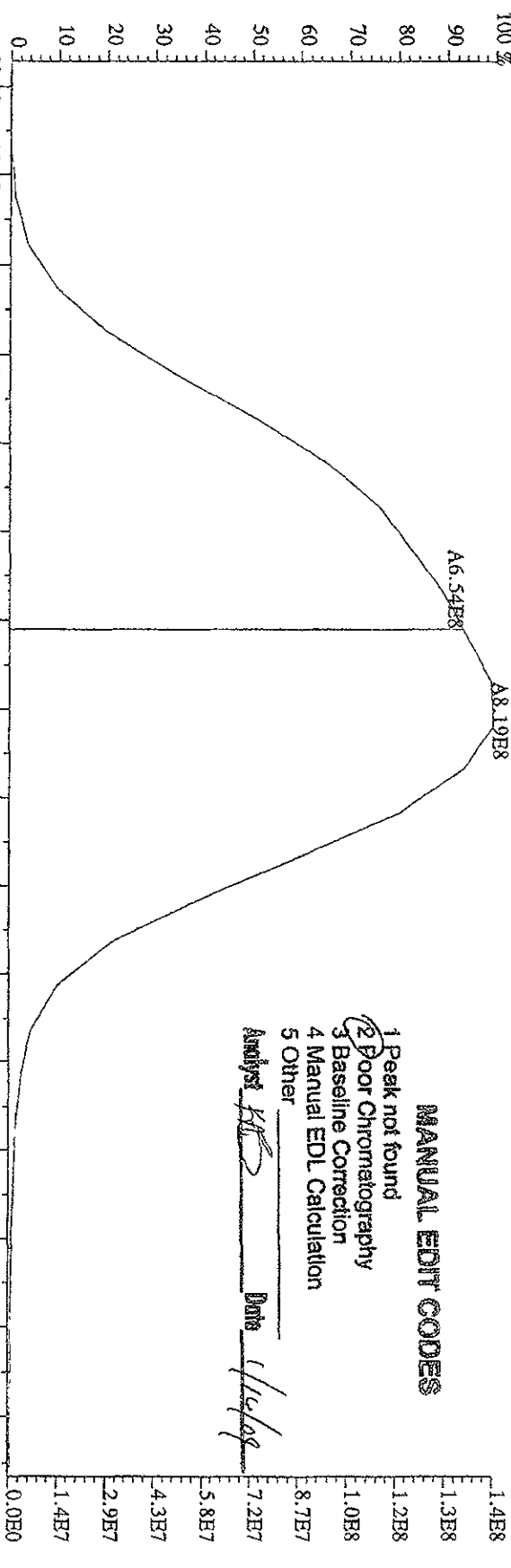
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 359,8415 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2788,0,0,00%,F,T)  
 A1.17E9



File: 151A09DD9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample #5 Text: ST0115D :CS5 09DXM018 Exp: 209DB5  
 359,8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,45220,0,0,00%,F,T)  
 100 % A1.48E9



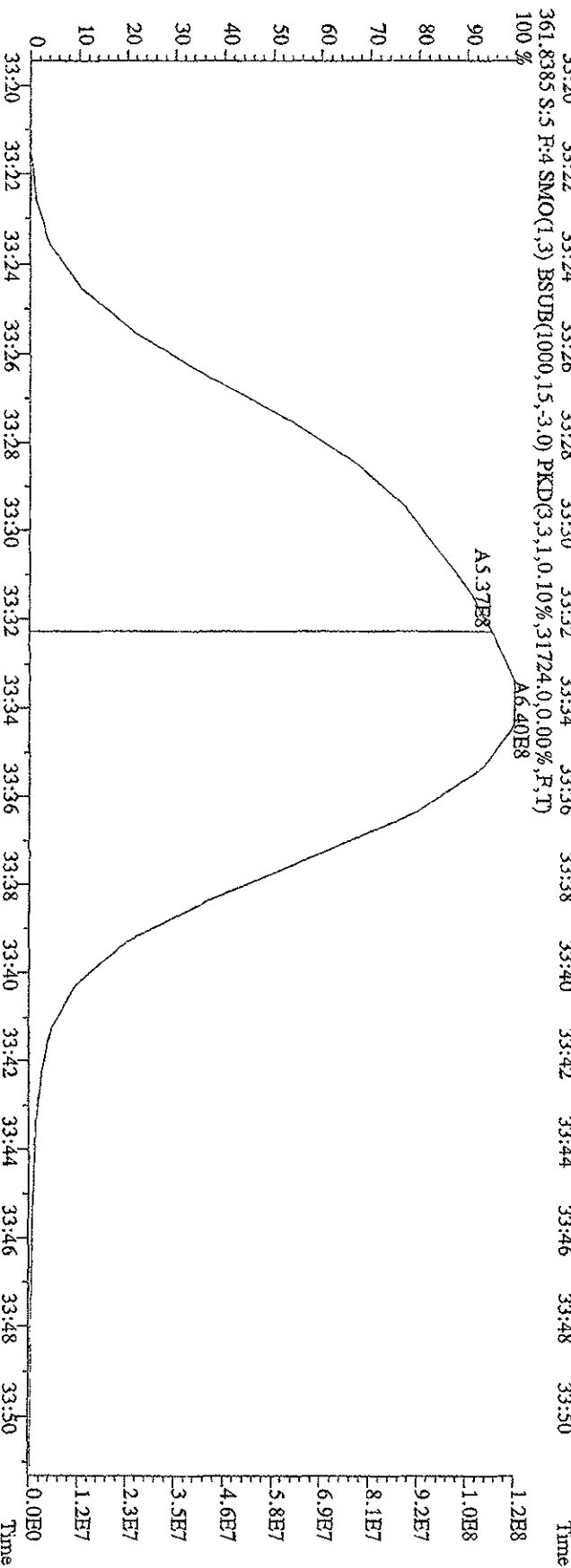
File:15JA09D9D5 #1-395 Acq:15-JAN-2009 23:50:45 GC EI + Voltage SRR Autospec-UltimaB  
 Sample#5 Text:ST0115D :CS5 09DXN038 Exp:209DB5  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,45220,0,0.00%,F,T)  
 100 %



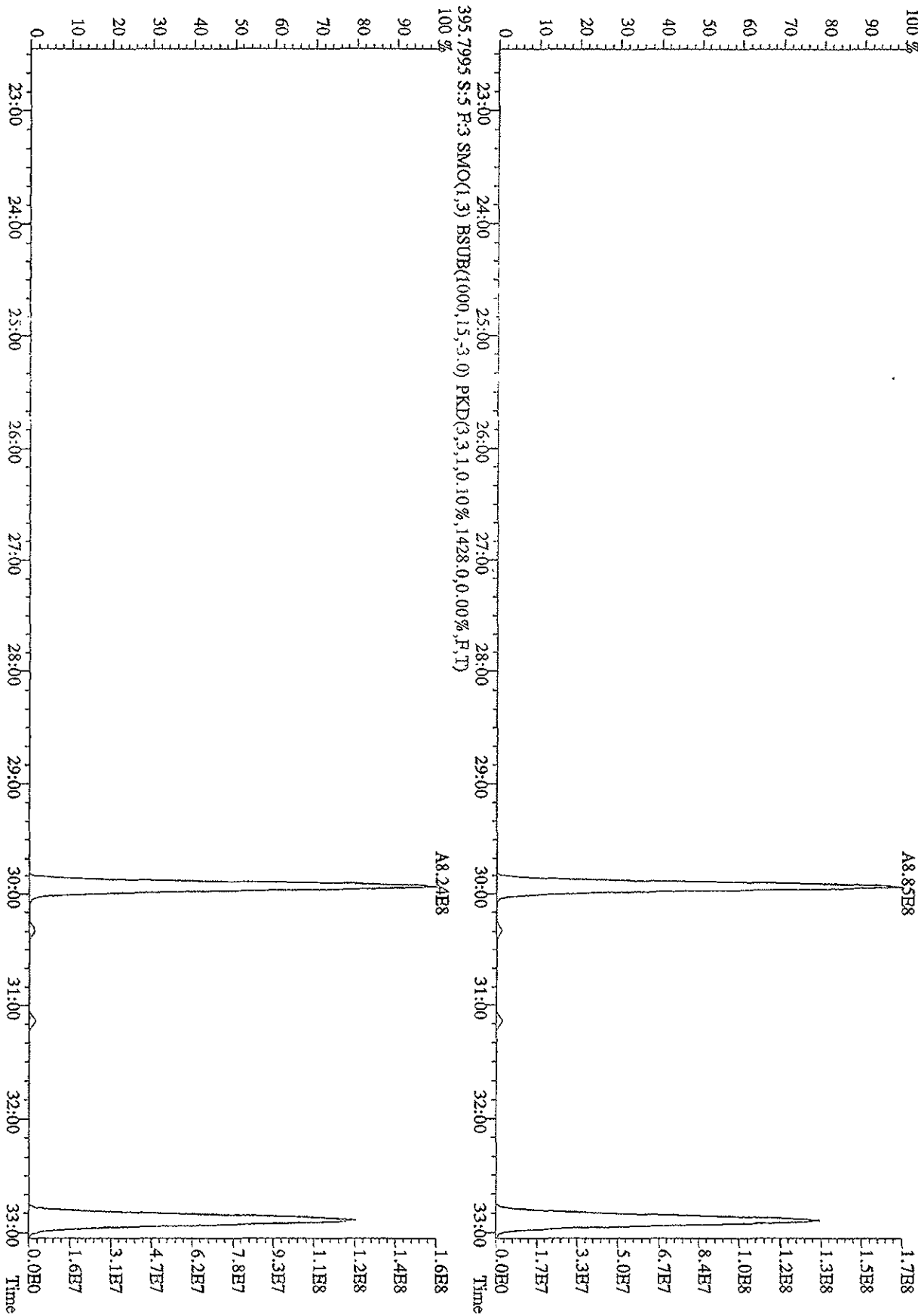
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

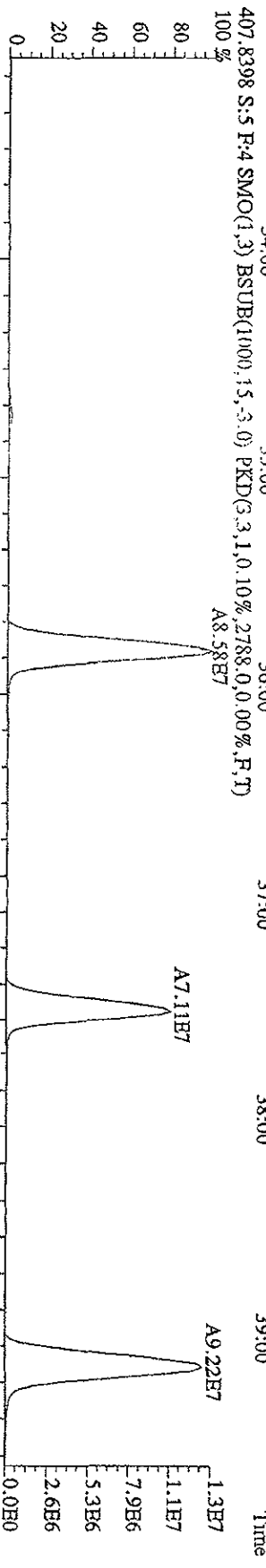
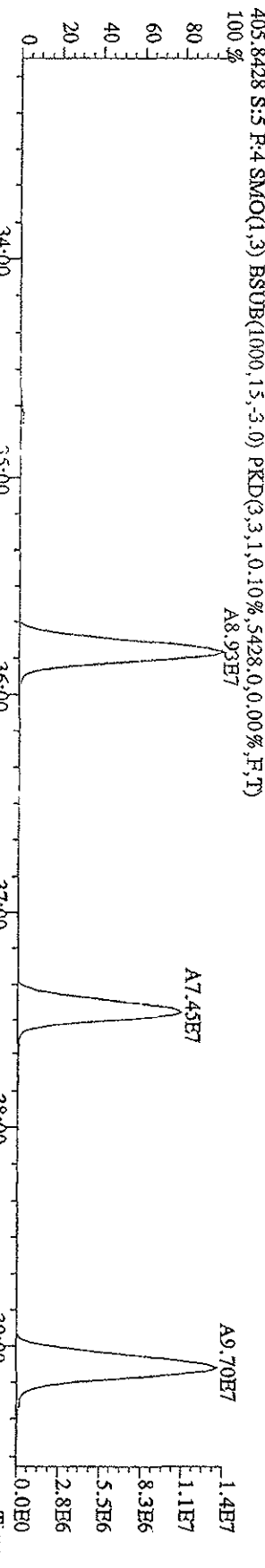
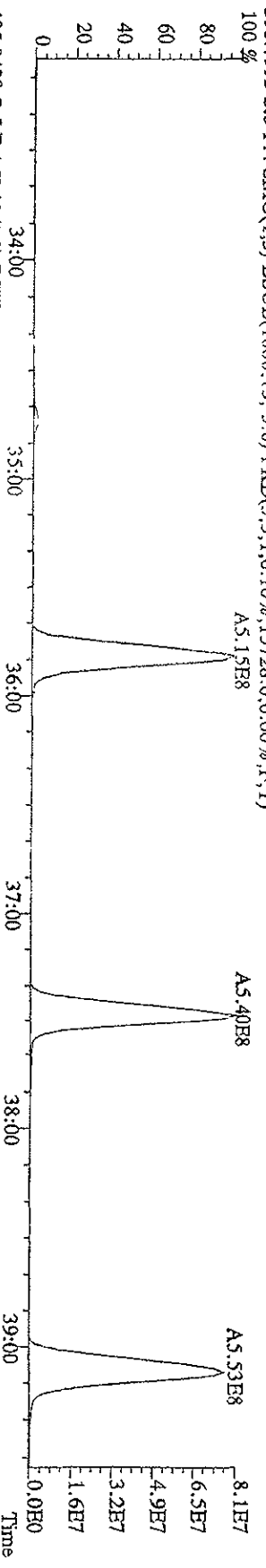
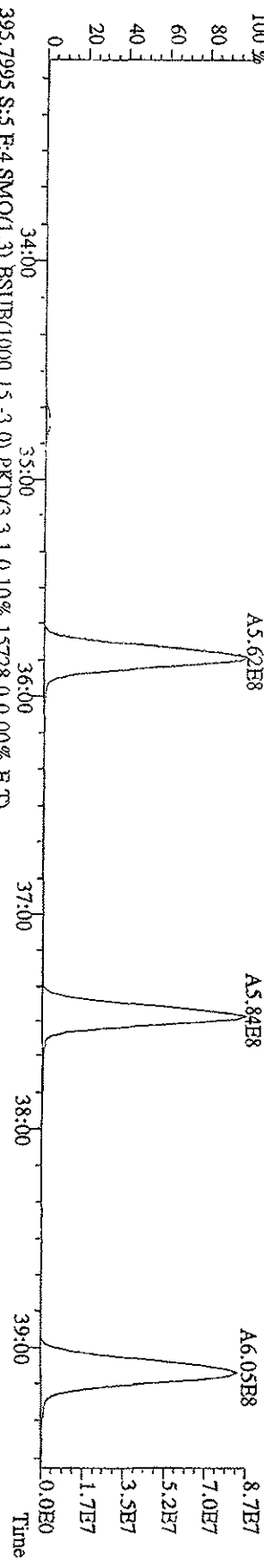
Analyst ABC Date 1/16/09



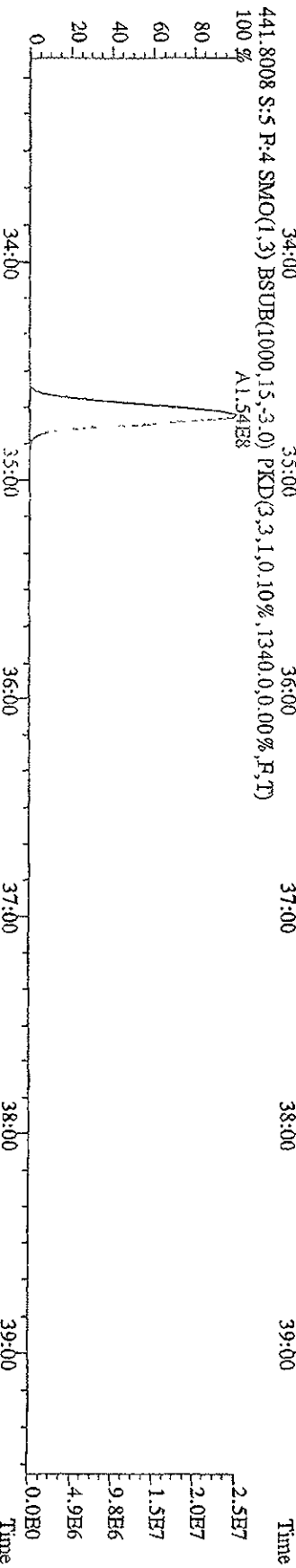
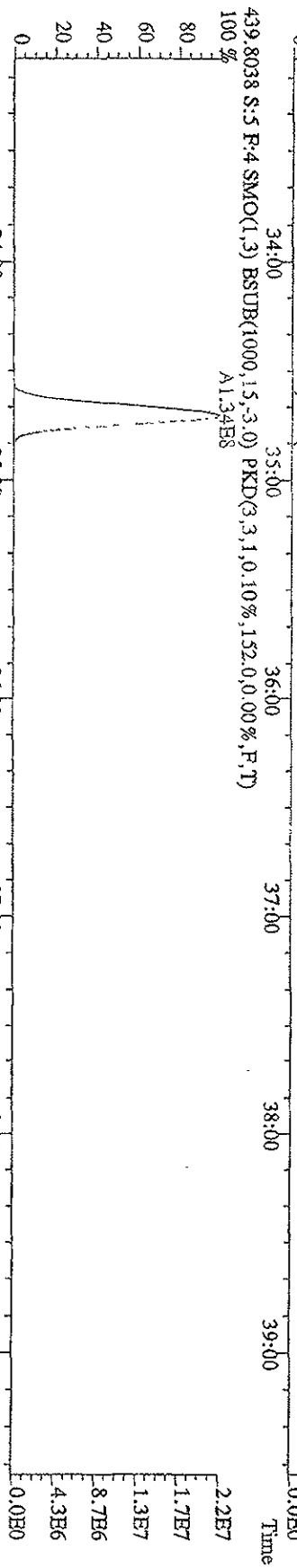
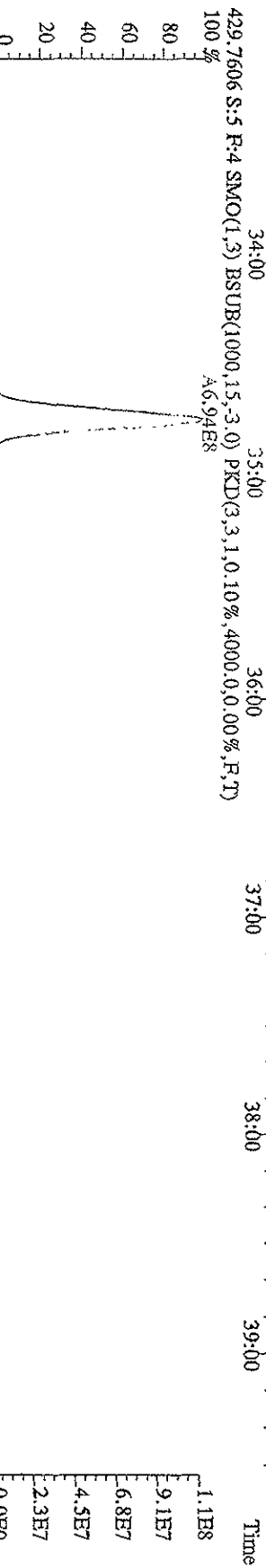
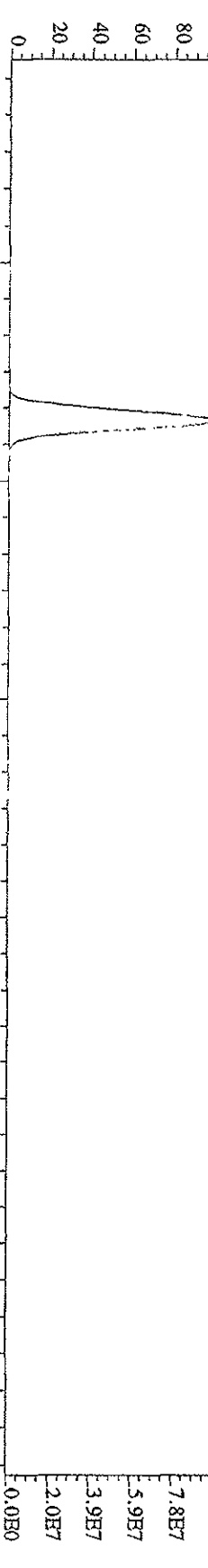
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST011SD :CS5 09DXN018 Exp: 209DB5  
 393.8025 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1428.0,0.00%,F,T)



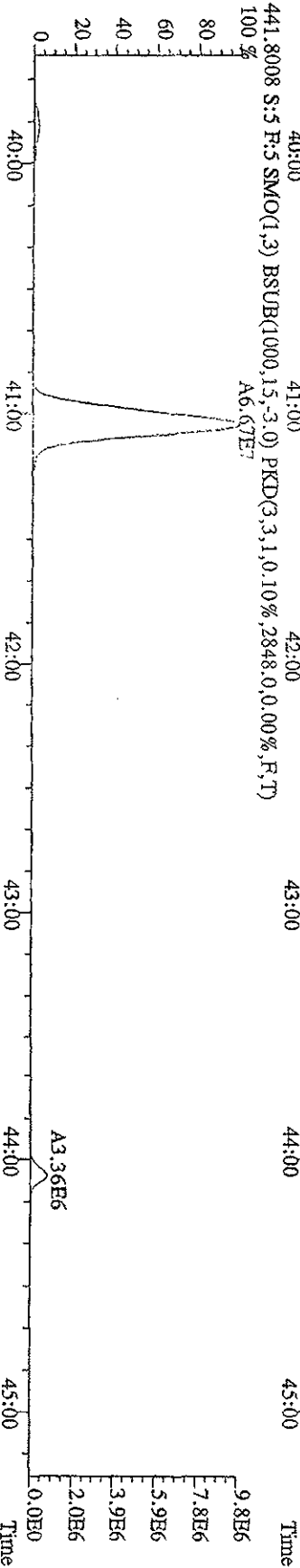
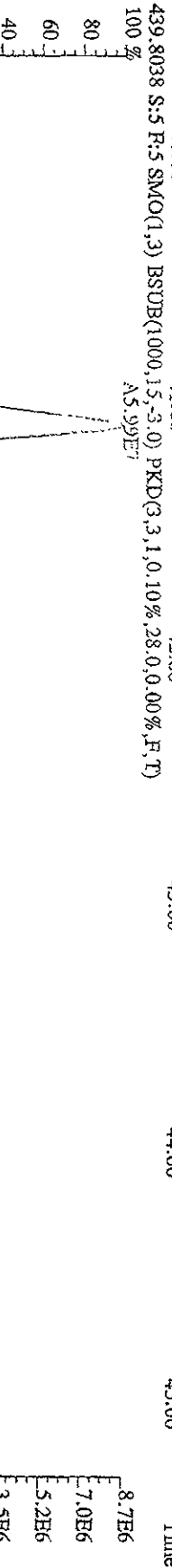
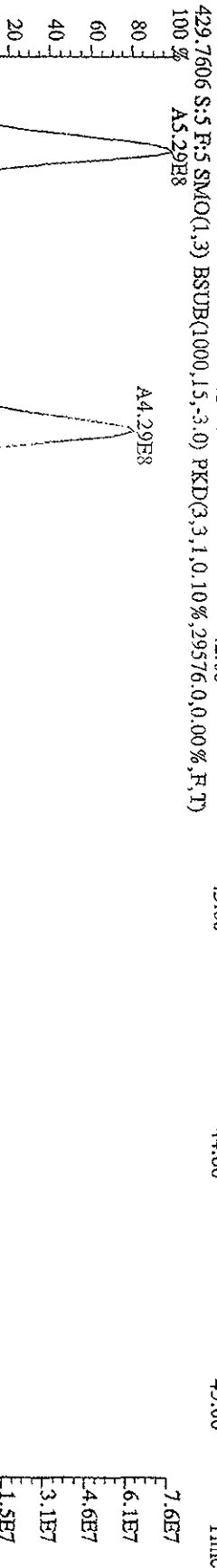
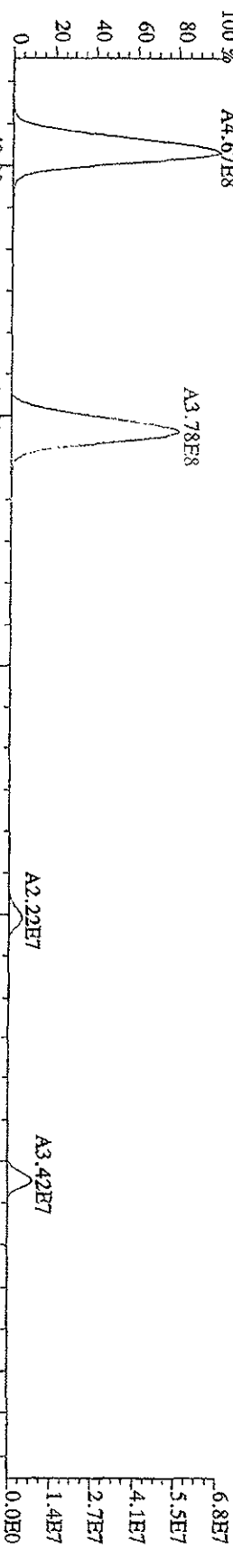
File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC: EI+ Voltage: SIR Autospec: Ultimate  
 Sample# 5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 393.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10% .20836,0.0,0.00%,F,T)



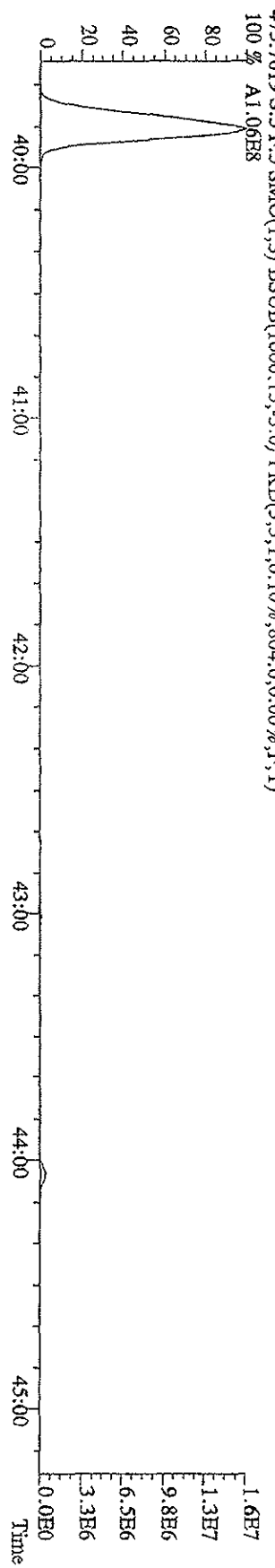
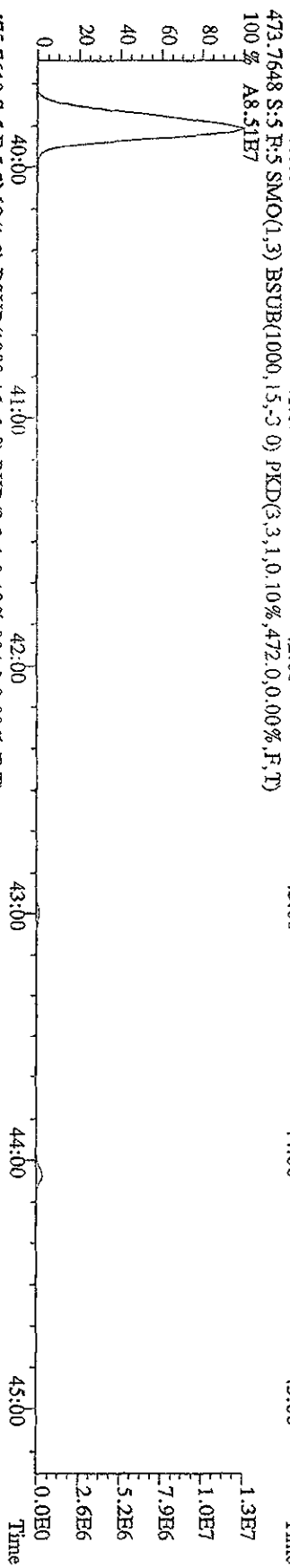
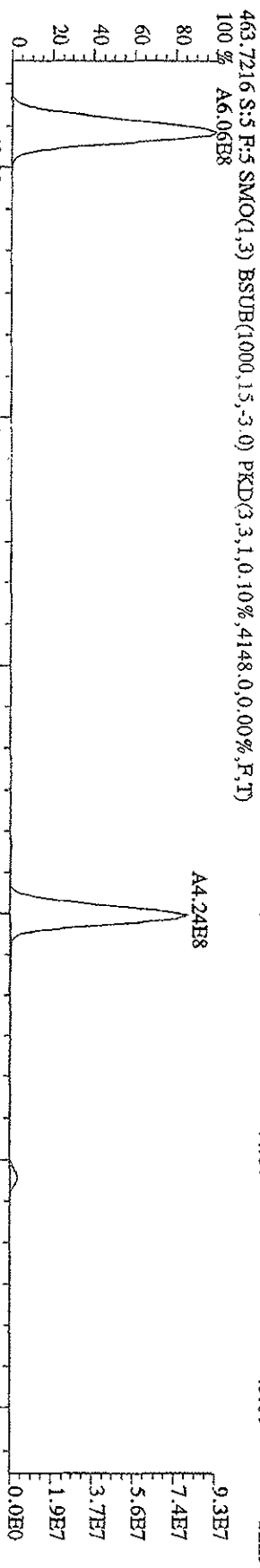
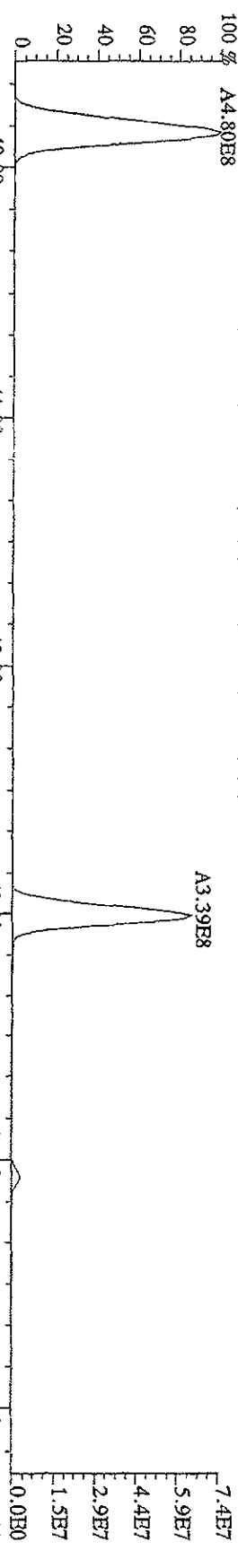
File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC BI+ Voltage SDR Autospec-Ultimate  
 Sample#5 Text: ST0115D : CSS 09D2XN018 Exp: 209DB5  
 427.7635 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1488,0,0,00%,F,T)



File:151A09D9D5 #1-378 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UHimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 427.7635 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,32872,0,0,00%,F,T)  
 100% A4.67E8

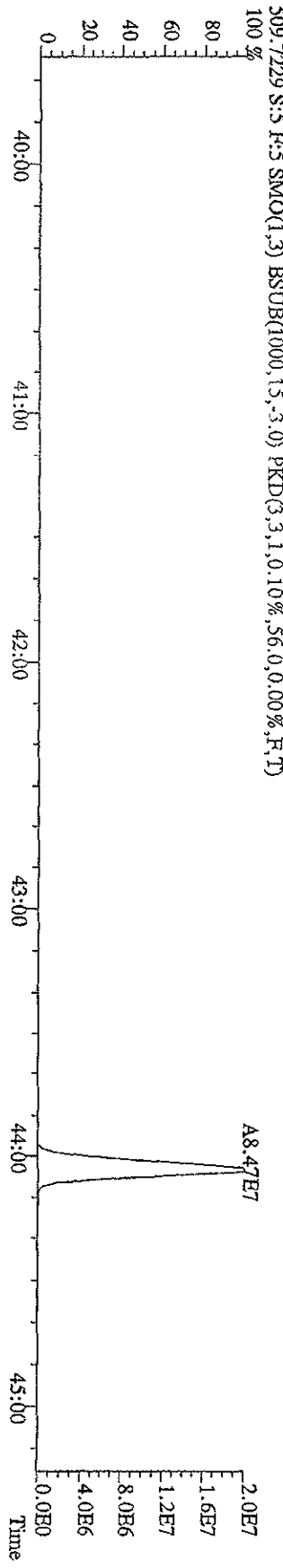
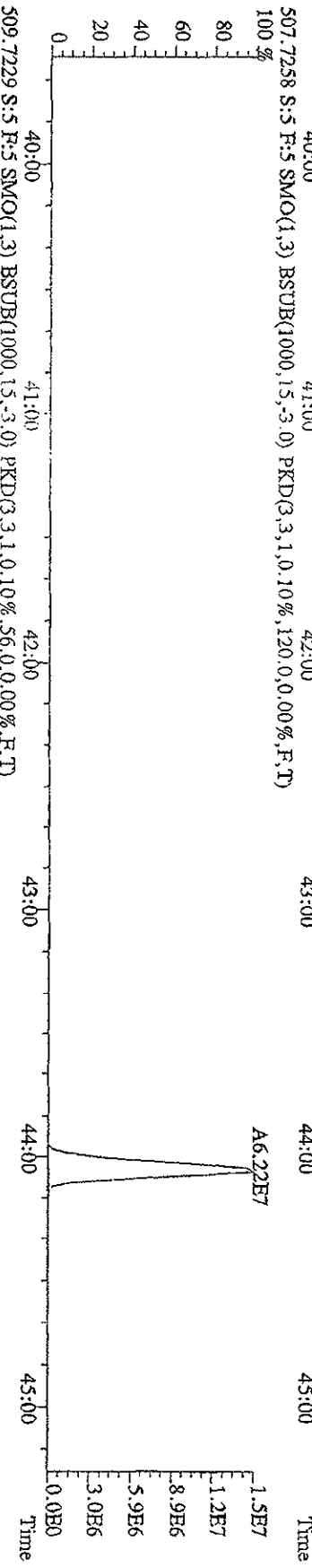
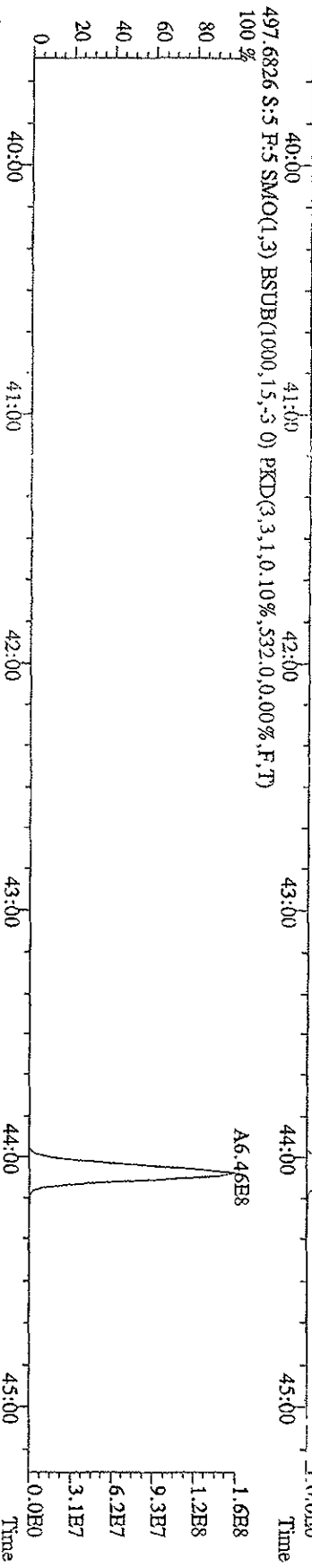
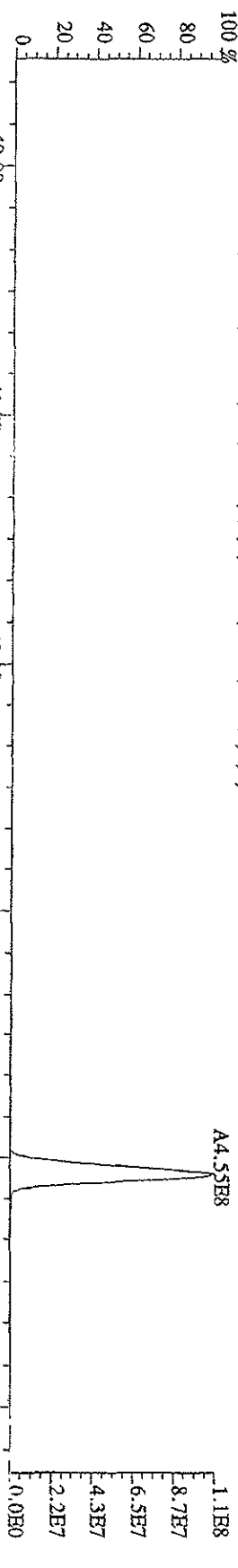


File:151A09D9D5 #1-378 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 461.7245 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3072,0,0,00%,F,T)  
 100% A4.80E8



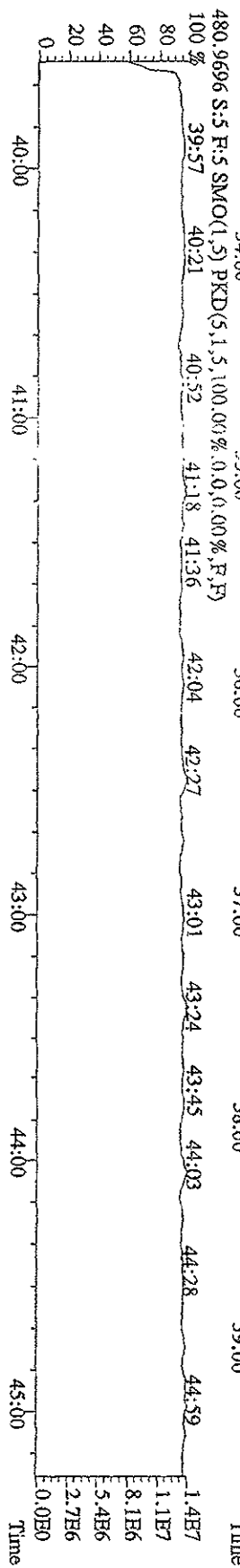
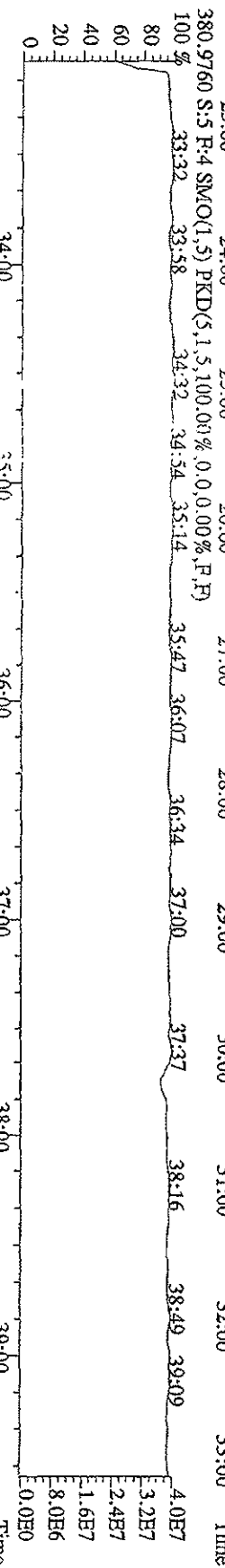
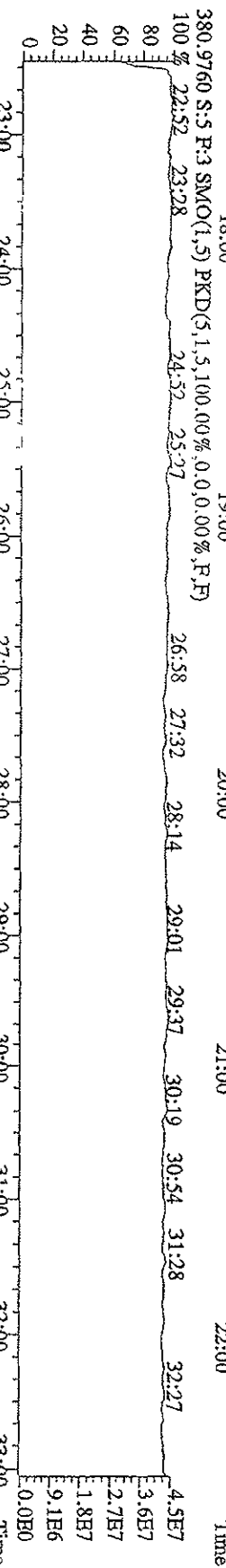
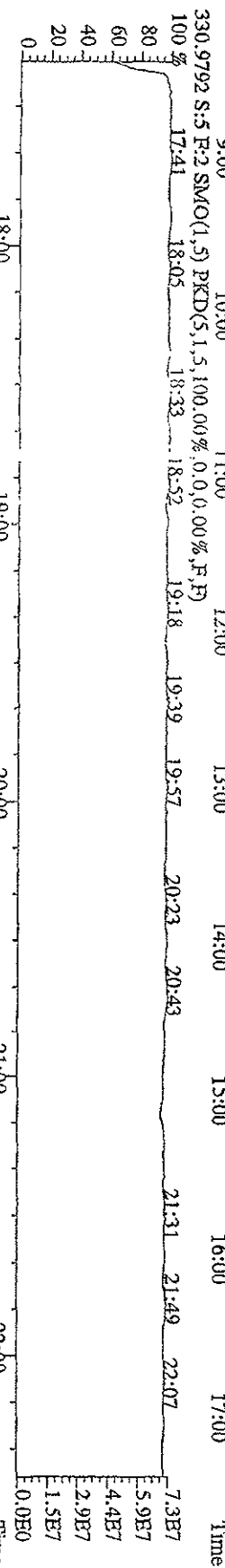
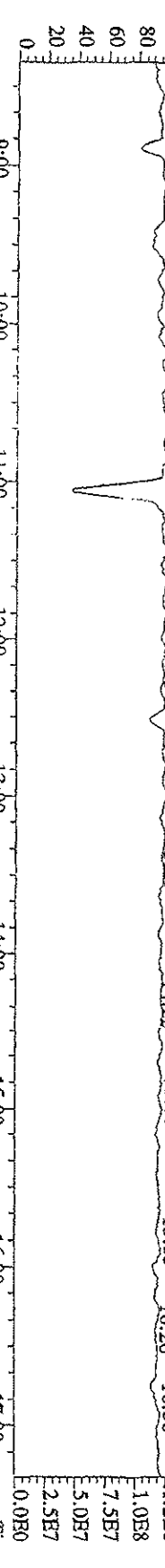


File: 151A09D9D5 #1-378 Acq: 15-JAN-2009 23:50:45 GC EI + Voltage STR Autospec-UHimaE  
 Sample#5 Text: ST0115D :CSS 09DXN018 Exp: 209DB5  
 495.6856 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,828,0,0,00%,F,T)



File:151A09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SRR Autospec-UHimaH

Sample#5 Text:ST0115ID :CSS 09DXN018 Exp:209DB5

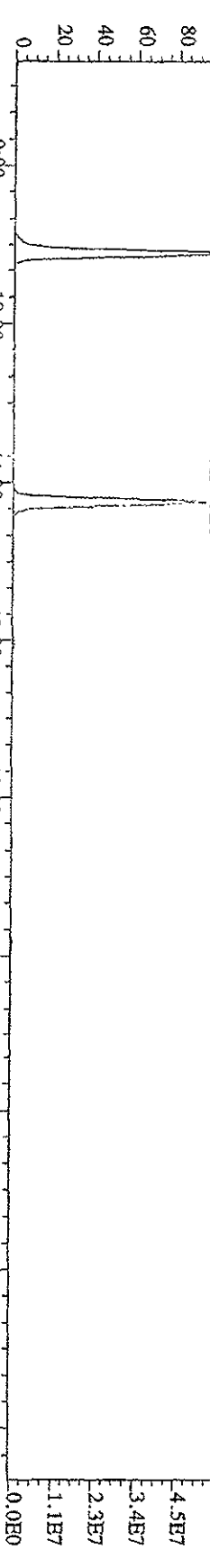


Run text: ST0115E Sample text: ST0115E :2nd Source 09DXN055  
 Run #6 Filename: 15JA09D9D5 S: 7 I: 1 Results: 15JA09D9D5  
 Acquired: 16-JAN-09 01:33:31 Processed: 16-JAN-09 12:21:13  
 Run: 15JA09D9D5 Analyte: 1668MDB5 Cal: 1668MDB50115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 1.000000

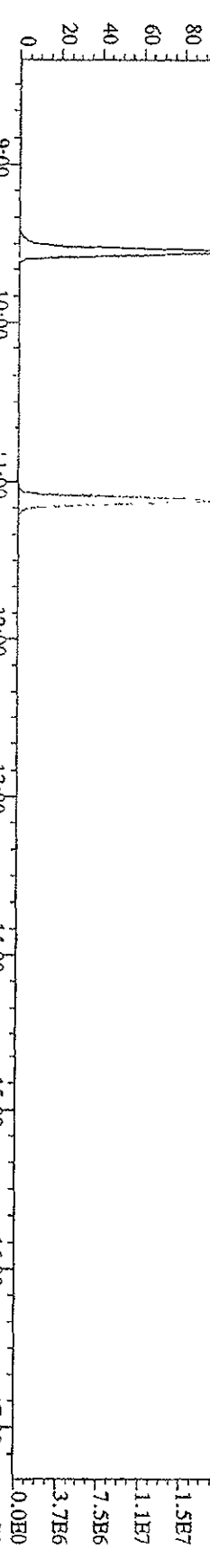
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-MoCB-3	317987900	3.11 y	11:07	0.92	2164.57	10.27	108.2	n
MoCB-1	246706500	2.98 y	9:34	1.72	904.22	0.30	-	n
*MoCB-3	222925700	2.99 y	11:08	1.48	946.34	0.35	-	n
Total MoCB	474515702	2.98 y	9:34	1.60	1869.77	0.32	-	n
13C-DiCB-15	484209000	1.53 y	16:10	1.43	2124.23	0.83	106.2	n
DiCB-10/4	347800000	1.00 y	12:01	1.55	927.94	2.11	-	n
DiCB-8/5	491206000	1.00 y	13:55	1.10	1839.01	2.97	-	n
*DiCB-15	359460000	1.00 y	16:11	1.59	932.41	2.05	-	n
Total DiCB	1219706104	1.00 y	12:01	1.57	3755.23	2.08	-	n
13C-TrCB-28	343278000	1.04 y	18:31	1.08	1996.11	10.52	99.8	n
TrCB-30	278791000	1.02 y	15:19	1.61	1008.62	0.29	-	n
TrCB-18	243663000	1.01 y	16:01	1.42	999.81	0.33	-	n
Total F1 TrCB	522454000	1.02 y	15:19	1.30	2008.43	0.36	-	n
*TrCB-31	192082600	1.02 y	18:27	1.11	1008.28	0.90	-	n
*TrCB-28	205591000	1.05 y	18:32	1.28	932.33	0.77	-	n
TrCB-37	162623100	1.02 y	21:48	0.99	959.03	1.01	-	n
Total F2 TrCB	577775584	1.06 y	17:45	1.30	2978.02	0.77	-	n
13C-TeCB-52	318403000	0.81 y	20:23	-	106.38	-	-	n
13C-TeCB-81	229174000	0.79 y	26:58	0.95	1947.47	2.24	97.4	n
TeCB-54	176370000	0.75 y	17:45	1.45	1047.73	0.72	-	n
TeCB-52/73	136685300	0.74 y	20:24	1.14	1038.26	0.92	-	n
TeCB-47/75/48	159414500	0.74 y	20:49	1.51	910.32	0.69	-	n
TeCB-44	118189100	0.73 y	21:34	0.99	1027.98	1.06	-	n
Total F2 TeCB	594518692	0.75 y	17:45	1.28	4050.21	0.83	-	n
13C-TeCB-77	234335000	0.79 y	27:33	0.98	1920.15	2.16	96.0	n
TeCB-66/80	184147000	0.76 y	24:02	1.58	1007.33	1.48	-	n
TeCB-81	141804800	0.76 y	26:59	1.28	968.12	1.77	-	n
TeCB-77	126688100	0.71 y	27:35	1.10	979.89	2.18	-	n
Total F3 TeCB	469737053	0.76 y	24:02	1.28	3070.16	1.85	-	n
13C-PeCB-101	248452000	0.65 y	25:21	-	101.61	-	5.1	n
13C-PeCB-123	215120100	0.65 y	28:53	0.87	1987.09	1.39	99.4	n
PeCB-104	187266500	0.64 y	21:19	1.60	1043.94	0.32	-	n
Total F2 PeCB	187266500	0.64 y	21:19	1.38	1043.94	0.39	-	n
PeCB-101/89/90	152746800	0.59 y	25:23	1.39	979.30	1.07	-	n
PeCB-123	153997300	0.59 y	28:54	1.51	948.79	0.97	-	n
13C-PeCB-118	233847400	0.65 y	29:02	0.98	1912.00	1.23	95.6	n
PeCB-118/106	173601100	0.60 y	29:03	1.53	971.67	0.94	-	n
13C-PeCB-114	234263800	0.66 y	29:40	0.97	1951.48	1.26	97.6	n
PeCB-114	179214900	0.58 y	29:41	1.59	965.03	0.91	-	n
13C-PeCB-105	216099500	0.65 y	30:34	0.90	1938.79	1.35	96.9	n
PeCB-105/127	146287000	0.59 y	30:35	1.42	951.93	1.12	-	n

13C-PeCB-126	209136400	0.66	y	32:30	0.91	1846.94	1.33	92.3	n
PeCB-126	116625800	0.59	y	32:31	1.17	950.64	1.67	-	n
Total F3 PeCB	941154865	0.51	n	24:50	1.38	5889.66	1.14	-	n
13C-OcCB-202	247986000	0.86	y	34:43	-	96.36	-	-	n
13C-HxCB-167	206590100	1.26	y	33:35	0.84	1979.81	2.19	99.0	n
HxCB-155	176523800	1.27	y	24:50	1.89	1039.99	0.42	-	n
HxCB-153	152304200	1.27	y	30:21	1.71	987.89	0.46	-	n
HxCB-137	131107900	1.27	y	31:28	1.47	992.40	0.53	-	n
HxCB-138/163/164	136502600	1.26	y	31:56	1.55	977.56	0.51	-	n
Total F3 HxCB	606630234	1.27	y	24:50	1.44	4077.00	0.56	-	n
HxCB-128	84450800	1.24	y	33:30	1.08	868.90	3.96	-	n
HxCB-167	127740700	1.27	y	33:36	1.17	1058.05	3.04	-	n
13C-HxCB-156	164457200	1.30	y	34:53	0.67	1978.96	2.75	98.9	n
HxCB-156	113010300	1.28	y	34:54	1.45	946.35	3.26	-	n
13C-HxCB-157	172987600	1.26	y	35:12	0.71	1973.79	2.61	98.7	n
HxCB-157	119121700	1.26	y	35:13	1.45	952.15	3.00	-	n
13C-HxCB-169	176264100	1.25	y	37:05	0.73	1938.06	2.51	96.9	n
HxCB-169	81303300	1.29	y	37:06	0.99	932.61	4.67	-	n
Total F4 HxCB	536274083	1.24	y	33:30	1.44	4840.76	3.02	-	n
13C-HpCB-180	145969400	1.04	y	35:49	0.58	2013.68	1.54	100.7	n
HpCB-188	145753200	1.07	y	29:56	2.10	1033.46	0.58	-	n
HpCB-187/182	128812400	1.06	y	32:54	1.92	997.83	0.63	-	n
Total F3 HpCB	278642119	1.07	y	29:56	1.67	2067.20	0.72	-	n
HpCB-180	86924100	1.10	y	35:50	1.27	941.34	1.34	-	n
13C-HpCB-170	116867600	1.04	y	37:29	0.47	1986.74	1.89	99.3	n
HpCB-170/190	87429800	1.08	y	37:29	1.61	931.39	1.31	-	n
13C-HpCB-189	140943300	1.05	y	39:07	0.60	1899.17	1.50	95.0	n
HpCB-189	80151000	1.11	y	39:08	1.21	942.78	1.48	-	n
Total F4 HpCB	256493131	0.82	n	33:07	1.67	2833.03	1.10	-	n
13C-OcCB-194	97713600	0.90	y	41:04	0.41	1928.85	0.71	96.4	n
OcCB-202	102264300	0.85	y	34:44	2.16	968.36	0.31	-	n
Total F4 OcCB	102264300	0.85	y	34:44	1.70	968.36	0.39	-	n
OcCB-195	75846900	0.88	y	39:58	1.61	963.37	3.27	-	n
*OcCB-194	57671400	0.89	y	41:05	1.24	952.91	4.25	-	n
Total F5 OcCB	141135460	0.88	y	39:58	1.70	2007.99	3.10	-	n
13C-NoCB-208	153734500	0.80	y	39:52	0.64	1928.31	0.15	96.4	n
*NoCB-208	81736900	0.79	y	39:52	1.11	956.40	0.38	-	n
NoCB-206	52843300	0.81	y	43:01	0.73	947.77	0.59	-	n
Total F5 NoCB	136667540	0.79	y	39:52	0.92	1933.73	0.46	-	n
13C-DeCB-209	107688400	0.71	y	44:04	0.46	1887.39	0.07	94.4	n
*DeCB-209	73761700	0.71	y	44:04	1.50	910.40	0.09	-	n
13C-MoCB-1	482046000	2.99	y	9:33	1.95	1553.93	3.90	77.7	n
13C-DiCB-4	369336000	1.49	y	11:59	0.93	1647.97	0.80	82.4	n
13C-TrCB-19	309678000	1.07	y	14:52	1.03	1750.20	9.10	87.5	n
13C-TeCB-54	365168000	0.82	y	17:44	1.72	1829.54	1.83	91.5	n
13C-PeCB-111	289878000	0.64	y	26:50	1.42	1929.21	1.32	96.5	n
13C-HxCB-138	205304900	1.20	y	31:55	-	97.93	-	4.9	n

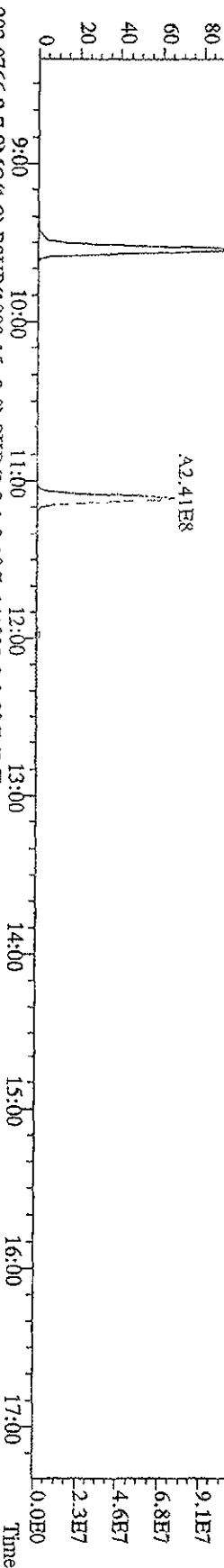
File: 151A09D9D5 #1-609 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text: ST0115E :2nd Source 09DXN055 Exp: 209DB5  
 188.0393 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6216,0,0,00%,F,T)  
 100% A1.85E8



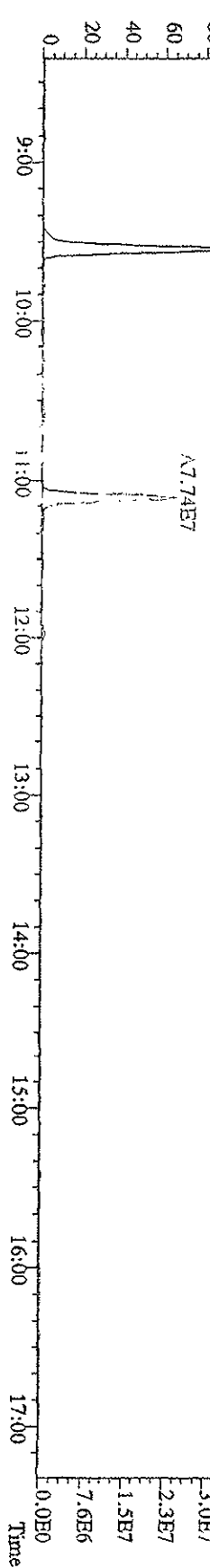
190.0363 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4200,0,0,00%,F,T)  
 100% A6.19E7



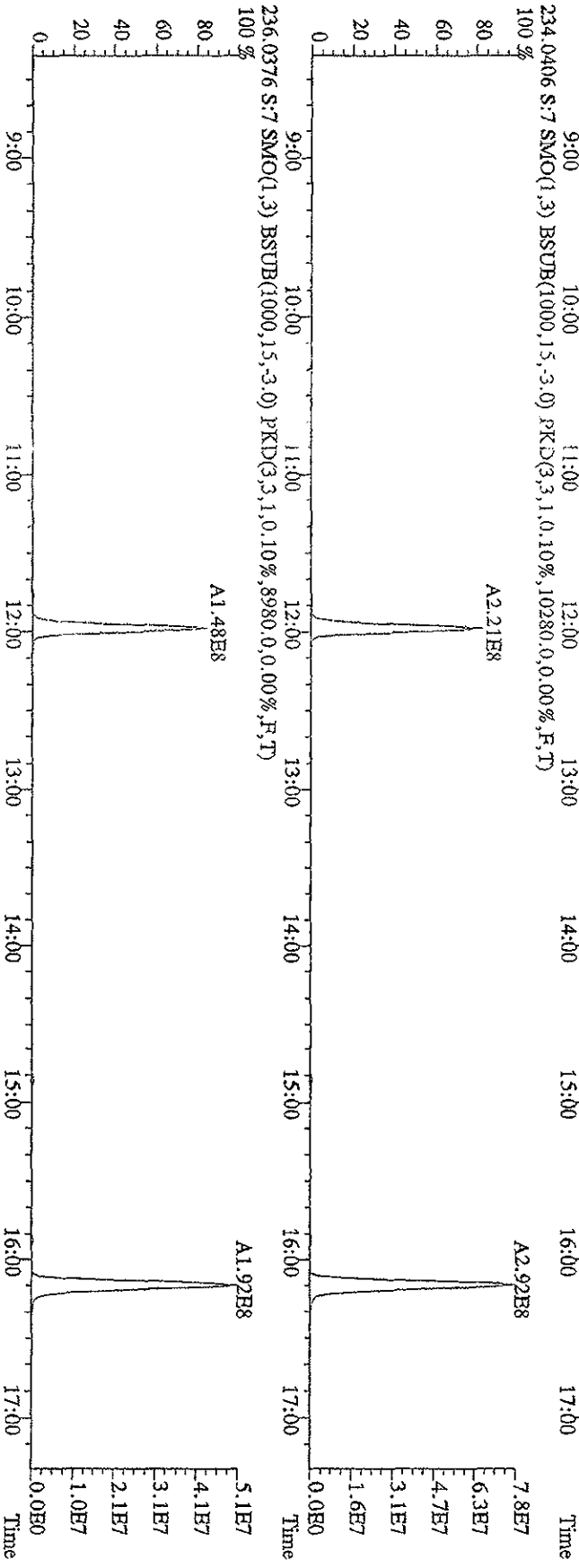
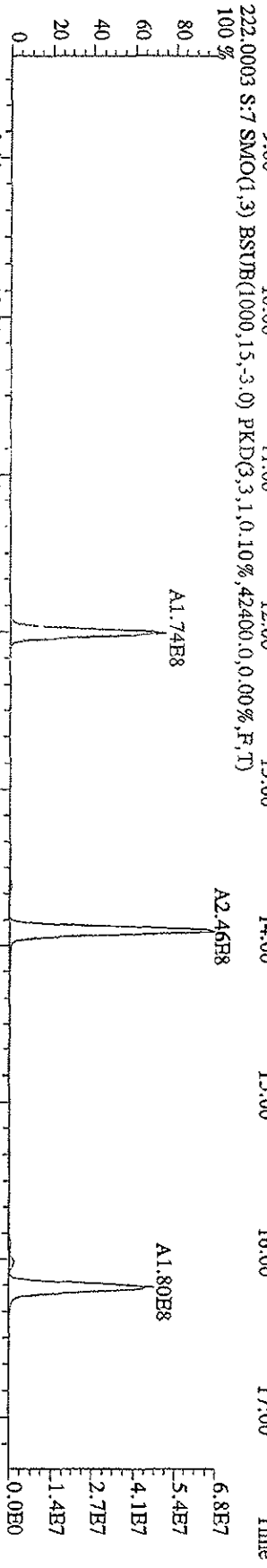
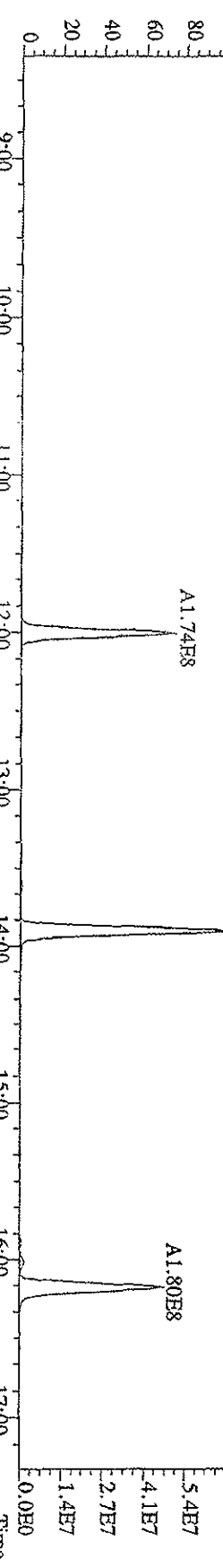
200.0795 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,12284,0,0,00%,F,T)  
 100% A3.61E8



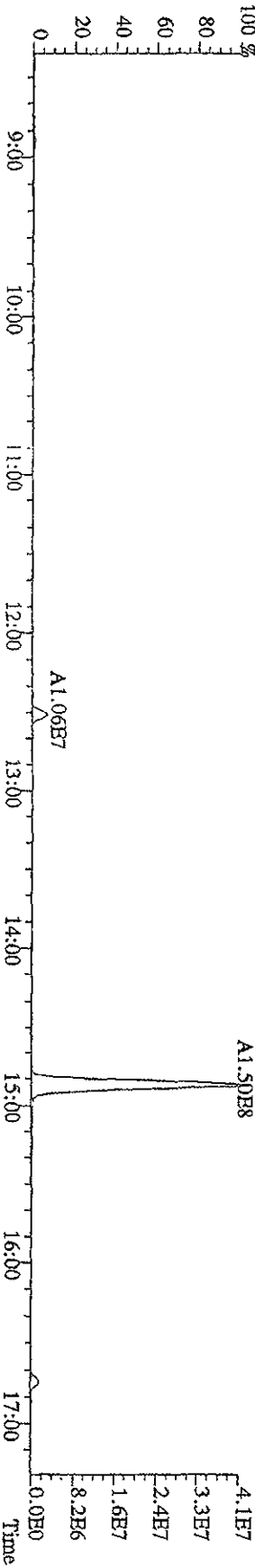
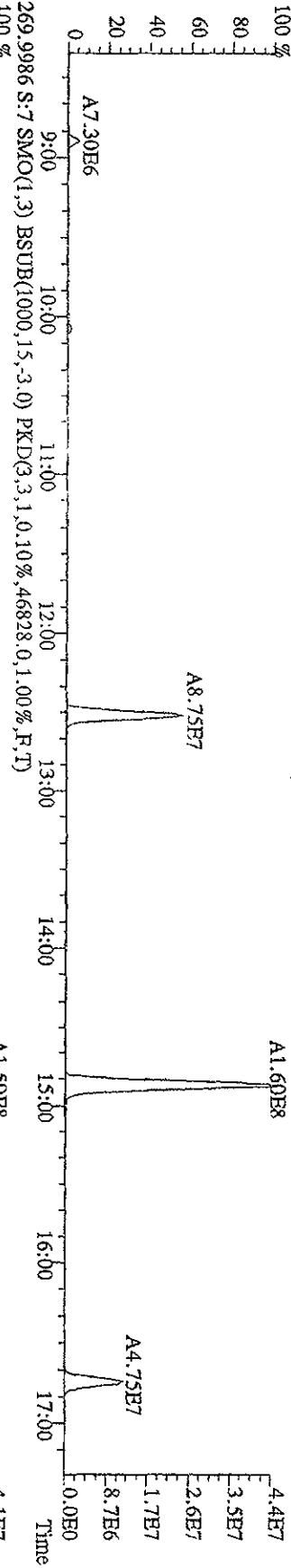
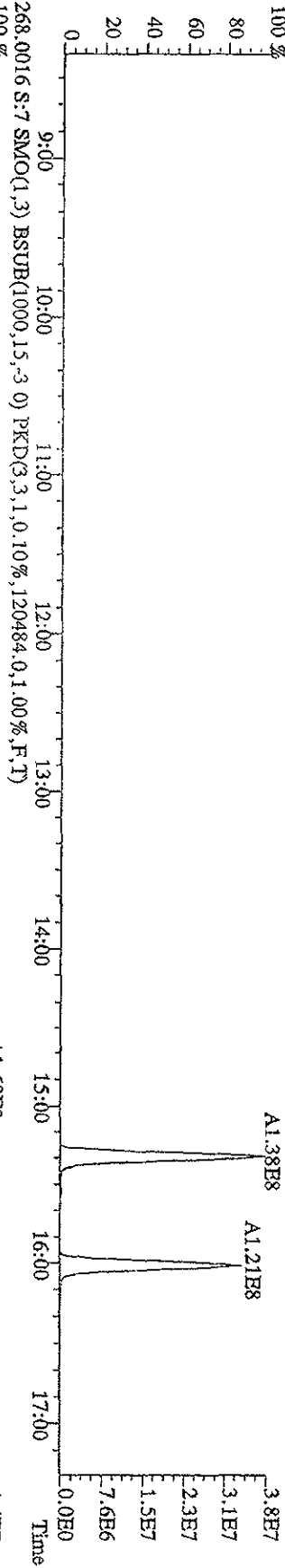
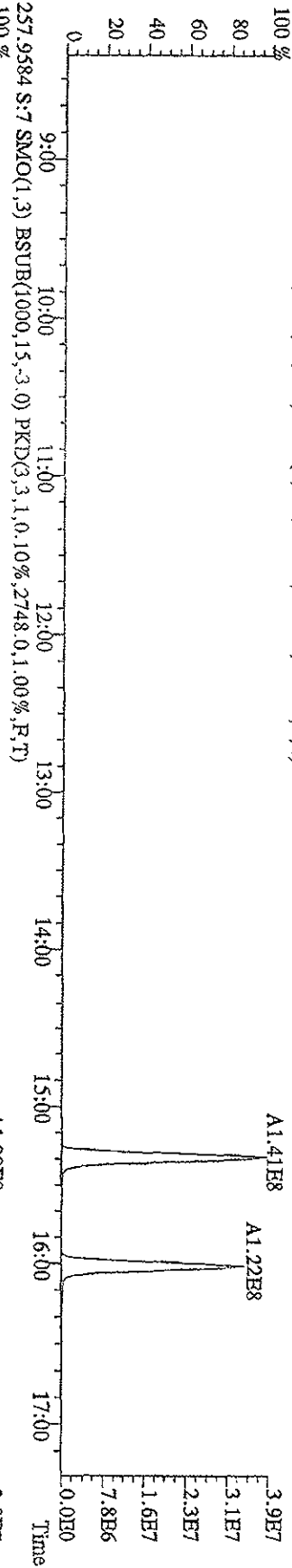
202.0766 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,141032,0,0,00%,F,T)  
 100% A1.21E8



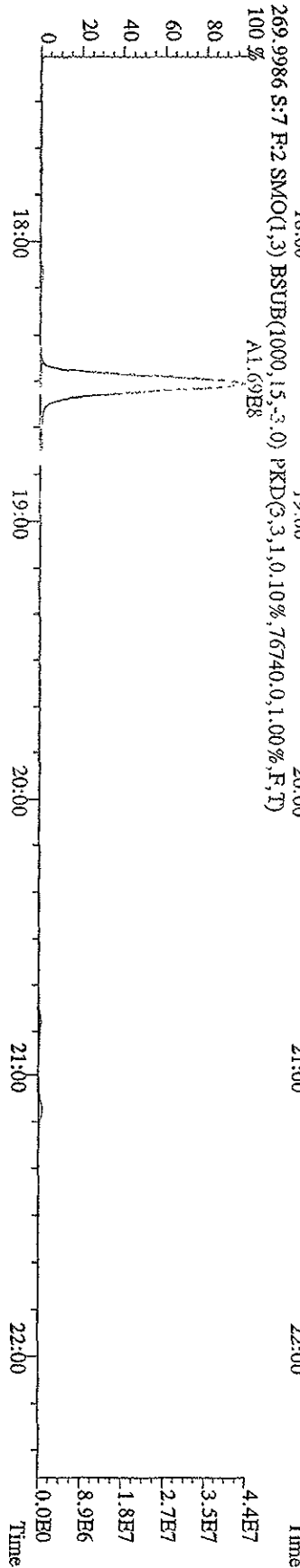
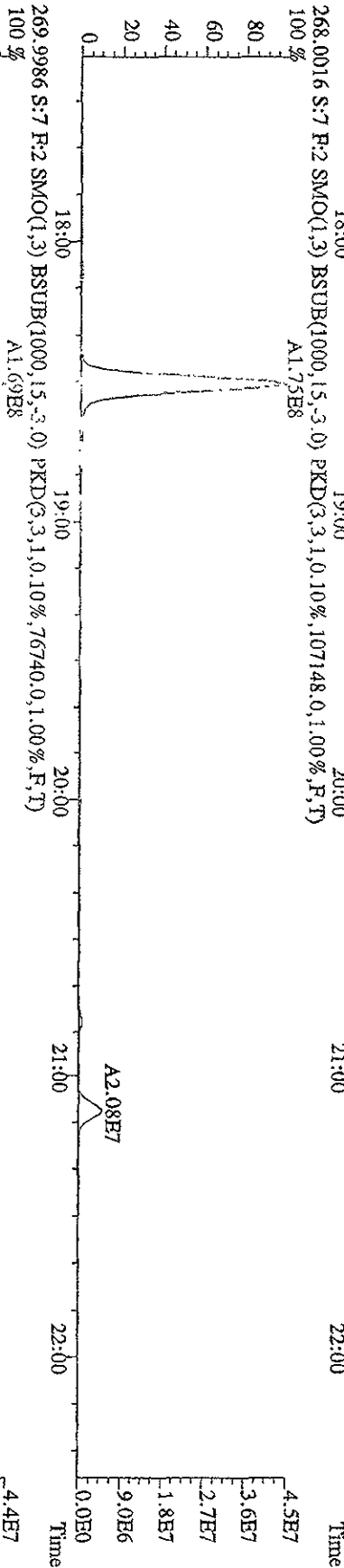
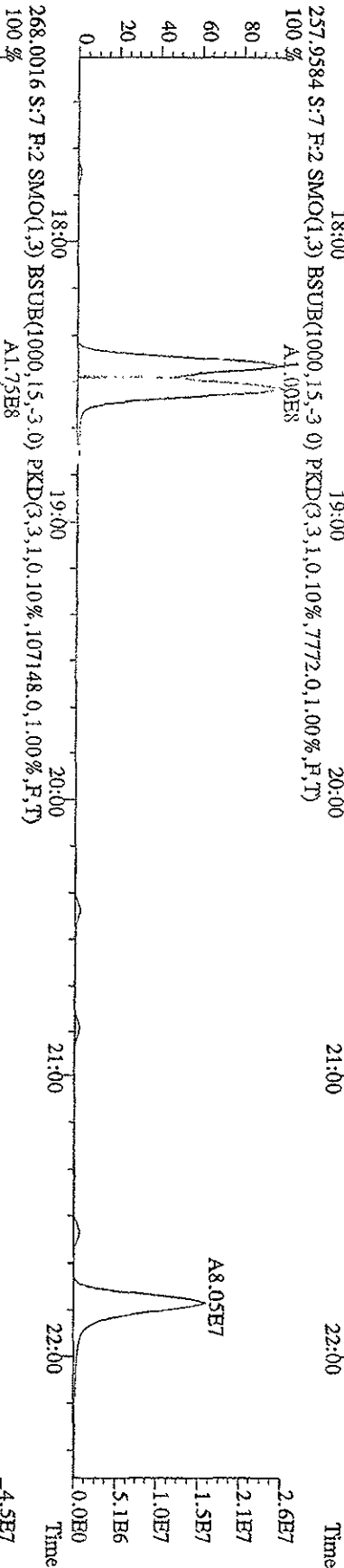
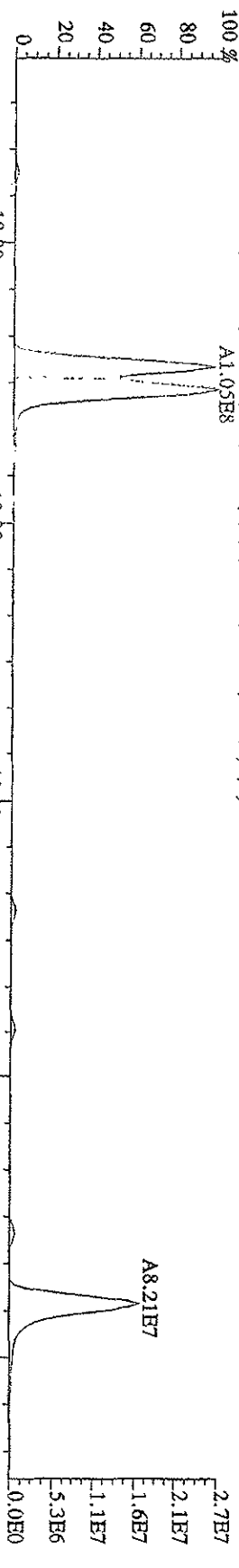
File:151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC FI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115R 2nd Source 09DXN055 Exp:209DB5  
 222.0003 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,42400,0,0,00%,F,T)



File: 151A09D9D5 #1-609 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text: ST015E :2nd Source 09DXN055 Exp: 209DB5  
 255.9613 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5556,0,1,00%,F,T)

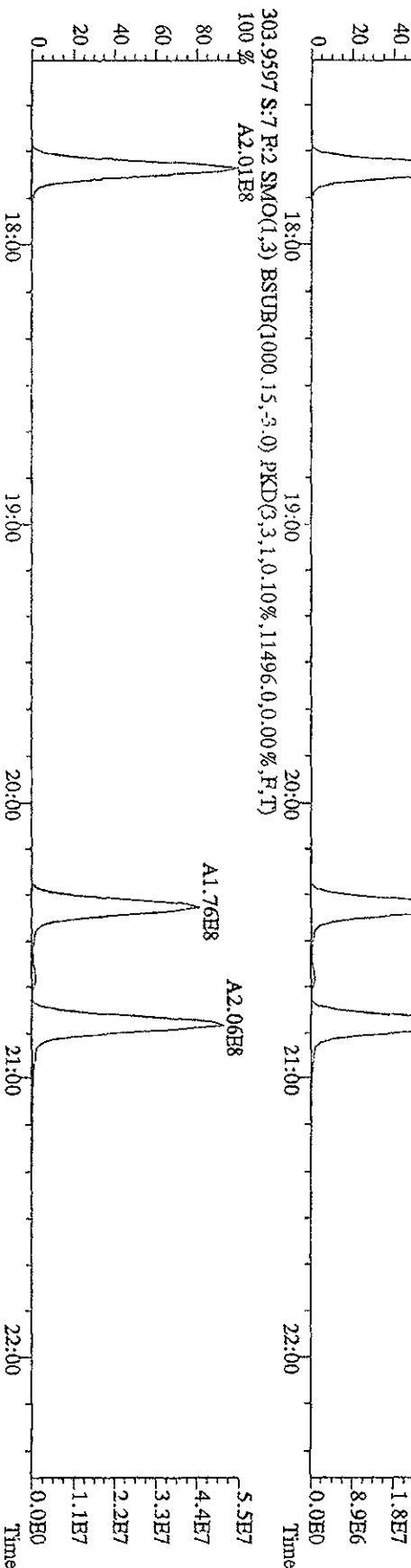
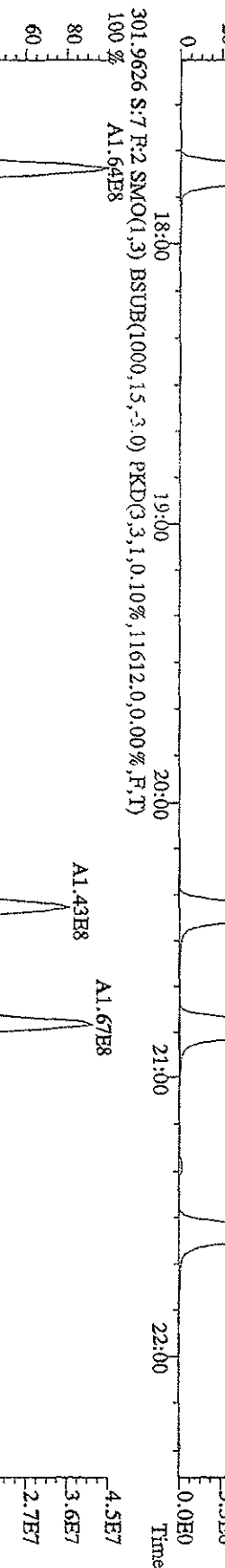
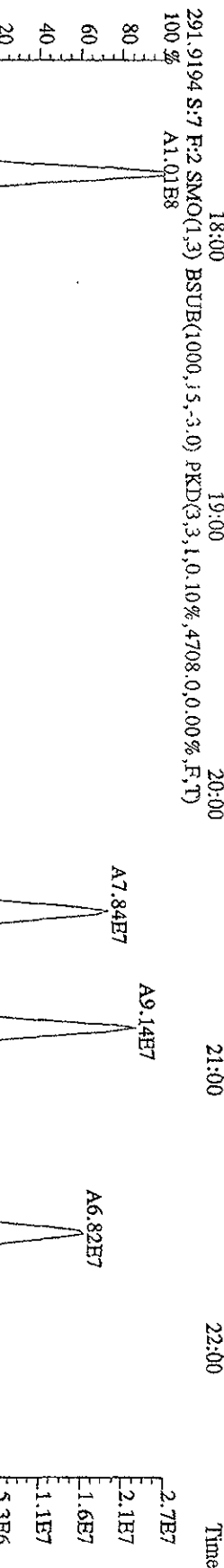
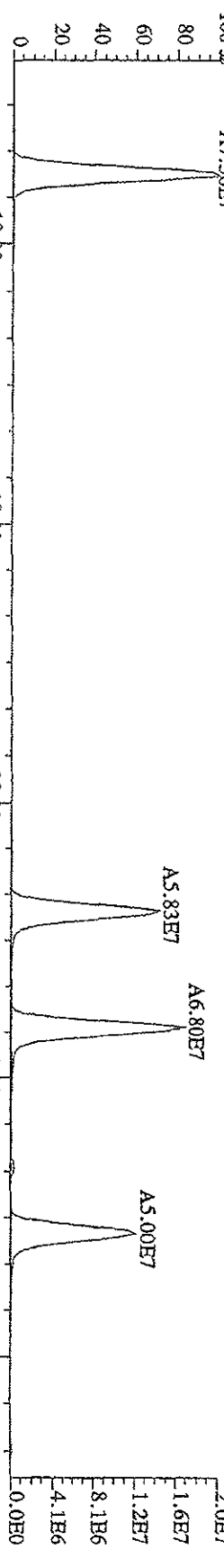


File:151A09DD9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:209DB5  
 255.9613 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,.9972,0,1,00%,F,T)  
 100%

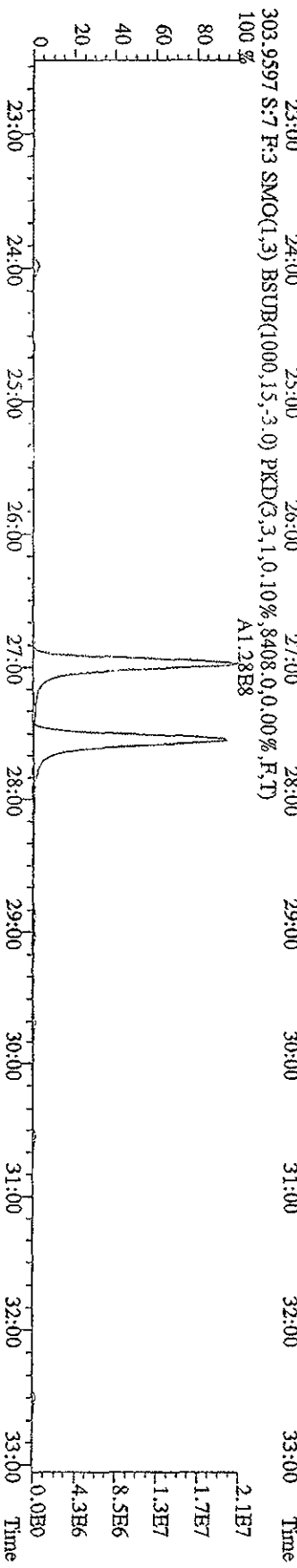
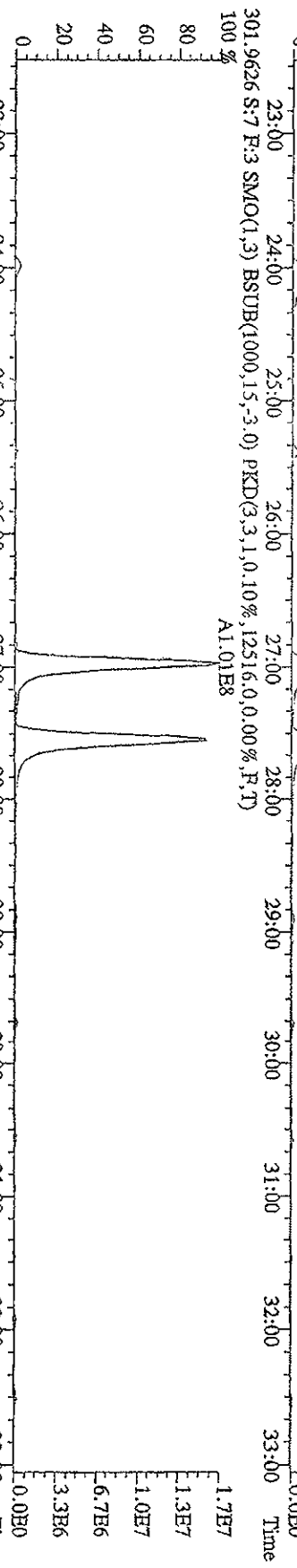
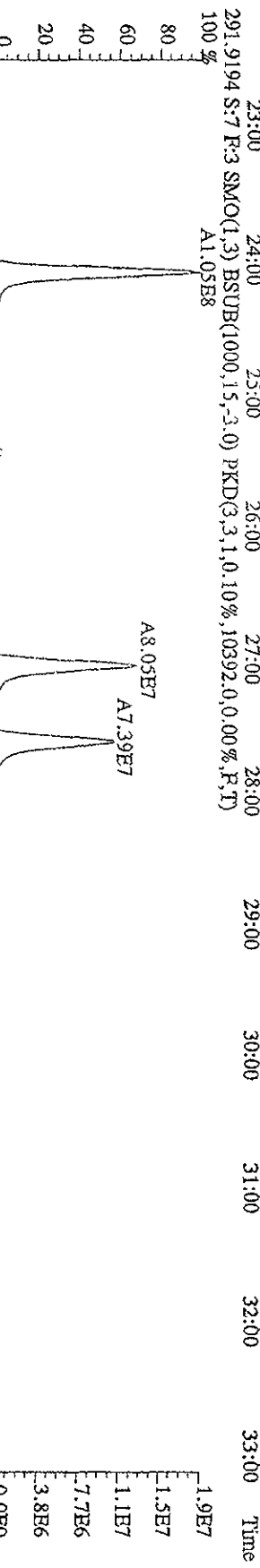
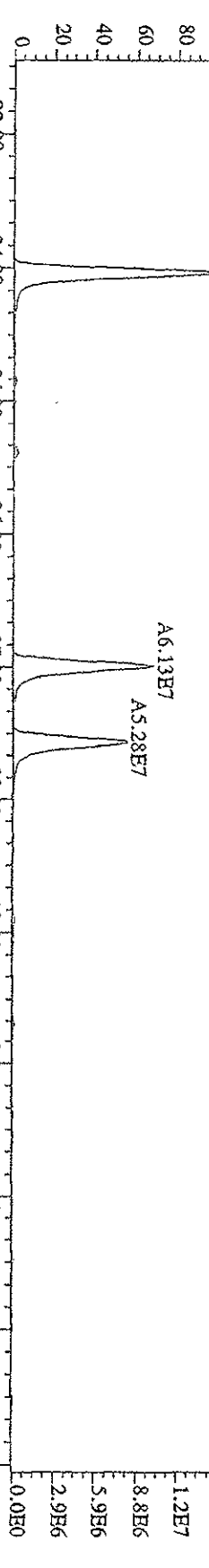




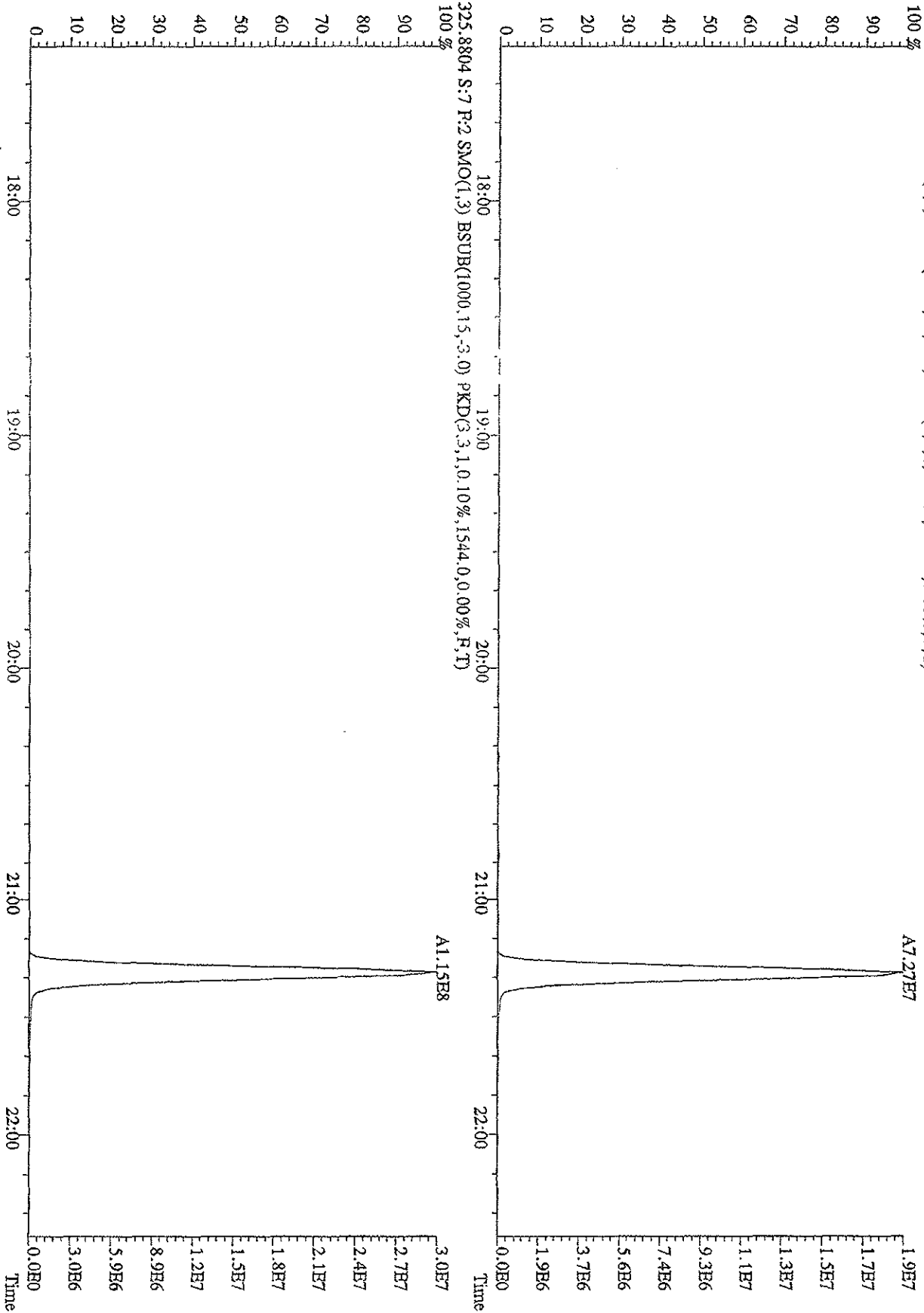
File:151A09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 289.9224 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2996,0,0,00%,F,T)  
 100 % A7.56E7



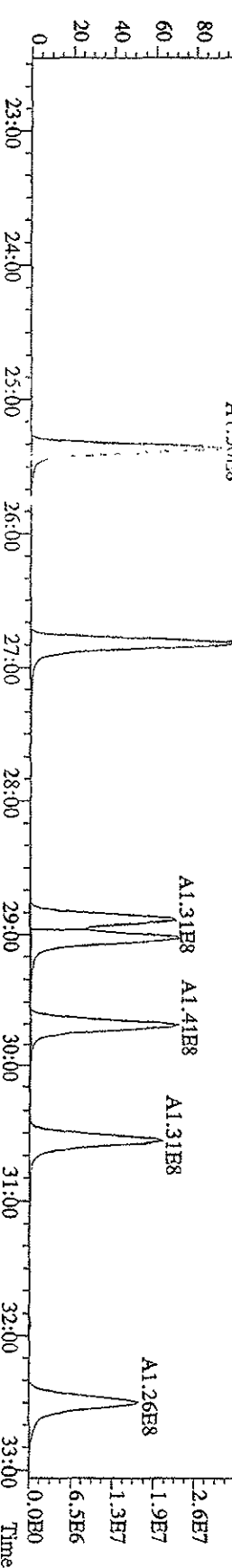
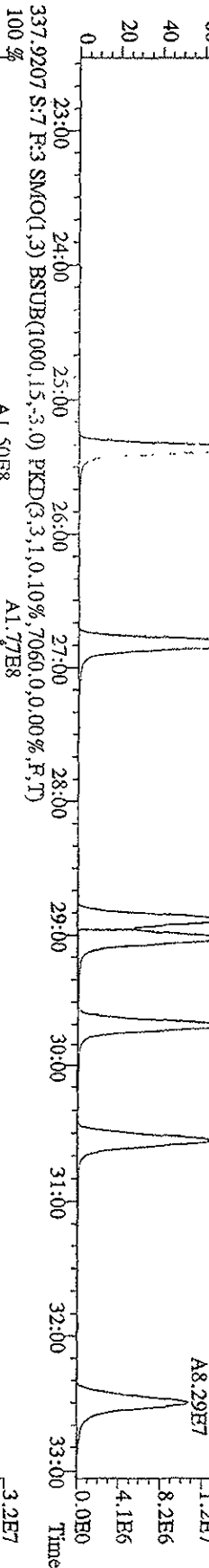
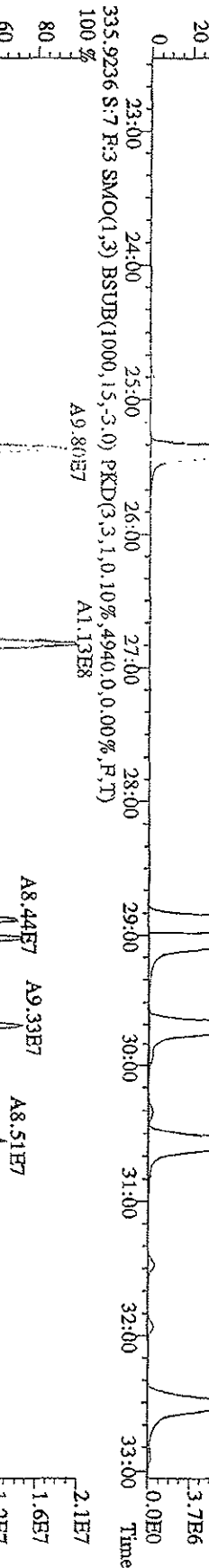
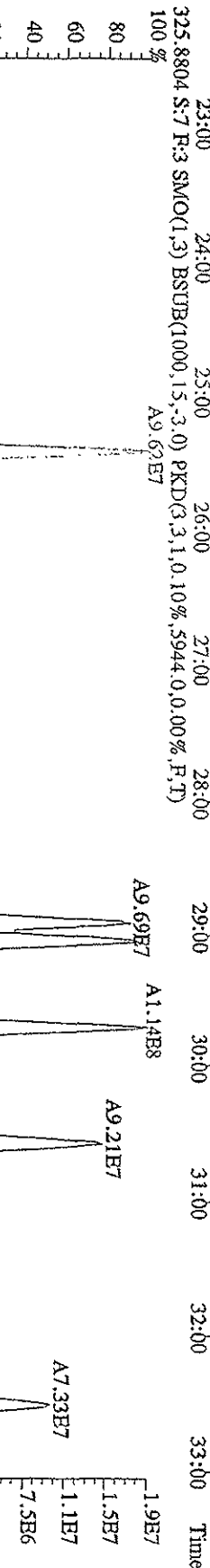
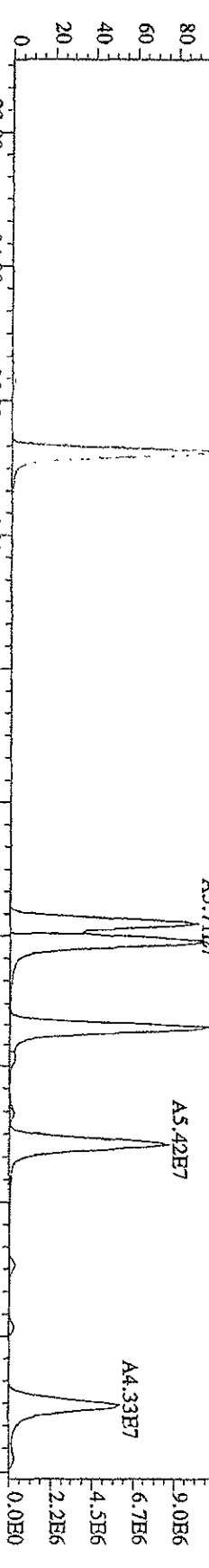
File: 151A09D9D5 #1-597 Acq: 16-JAN-2009 01:33:31 GC BI + Voltage SIR Autospec-UltimaE  
 Sample#7 Text: ST0115E : 2nd Source 09DXN055 Exp: 209DB5  
 289.9224 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6752,0,0,00%,F,T)  
 100%



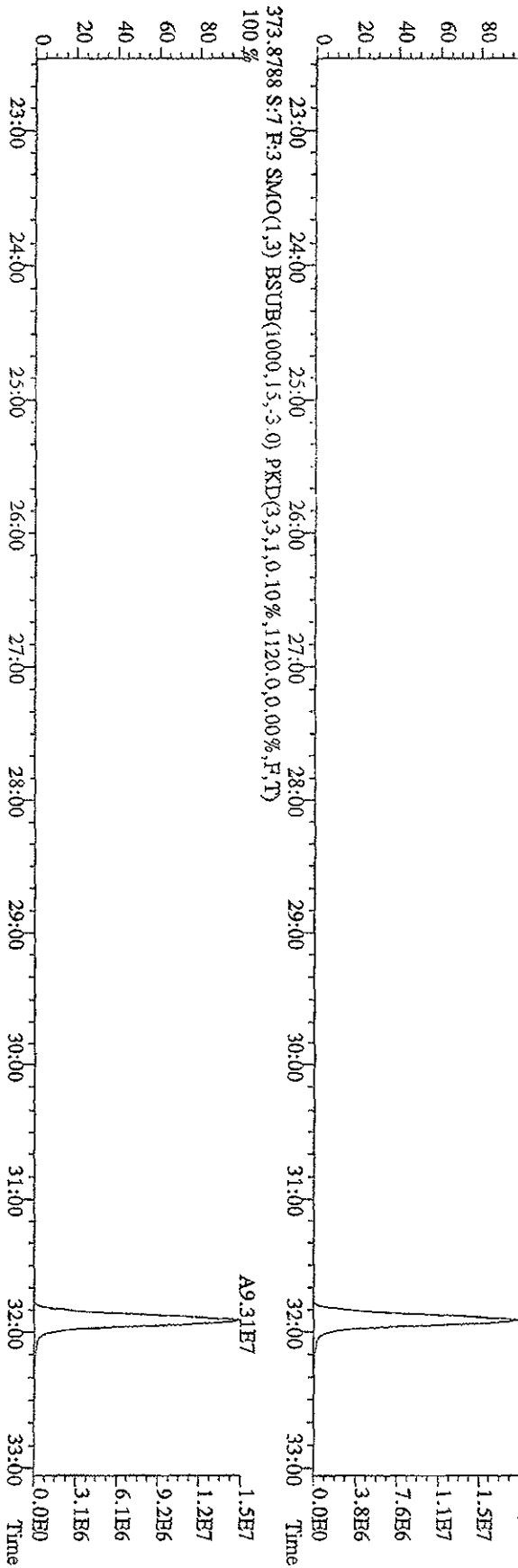
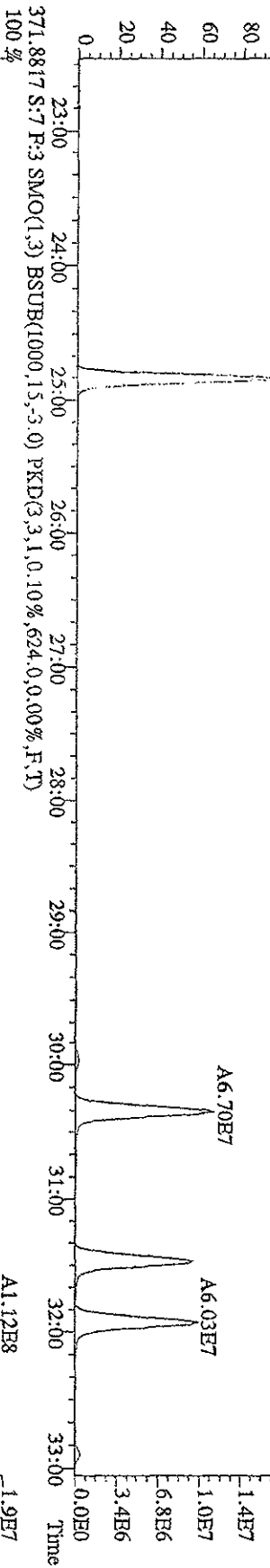
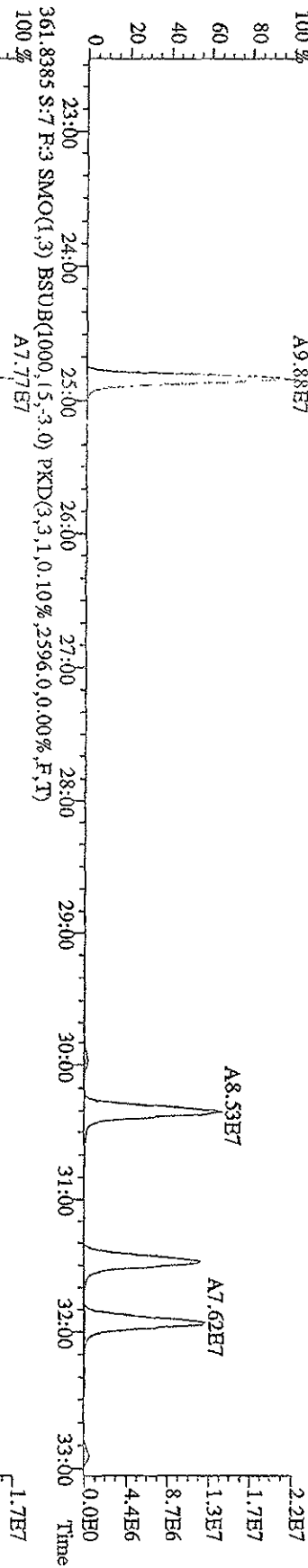
File:151A09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltraE  
Sample#7 Text:ST0115E :2nd Source 09DXNU55 Exp:209DB5  
323.8834 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1544,0,0,00%,F,T)



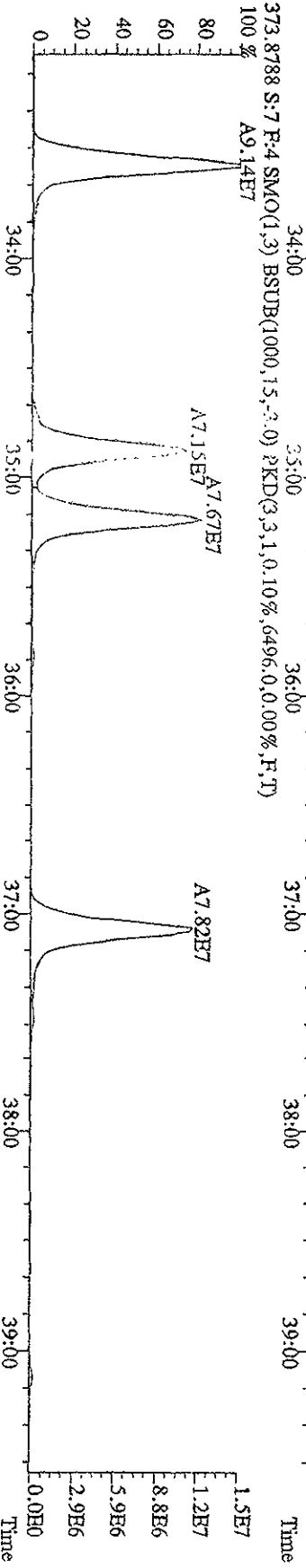
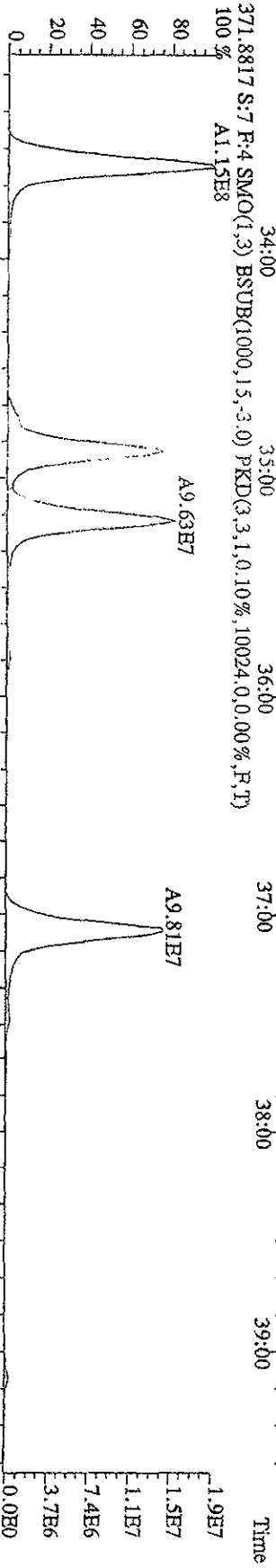
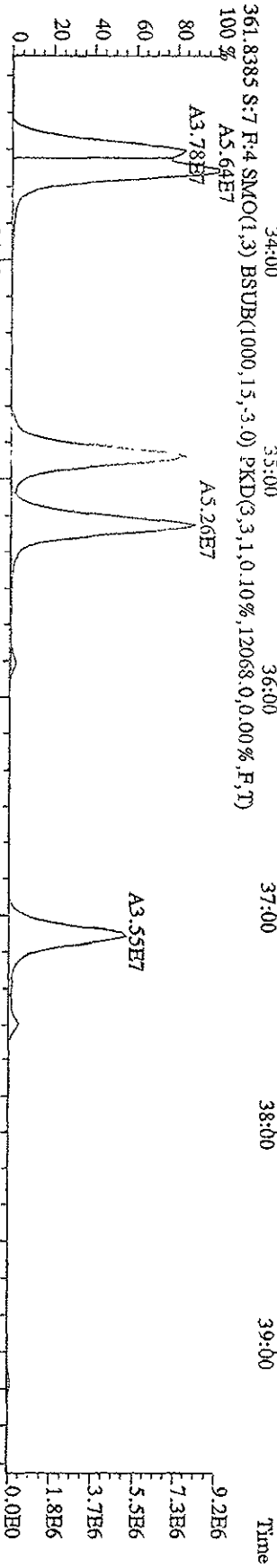
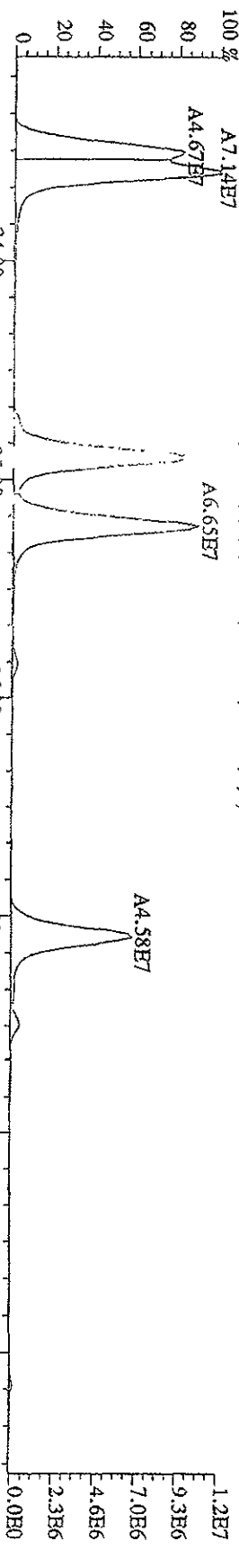
File:151A09DD9D5 #1-597 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115B 2nd Source 09DXN055 Exp:209DB5  
 323.8834 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5944,0,0,00%,F,T)  
 100%



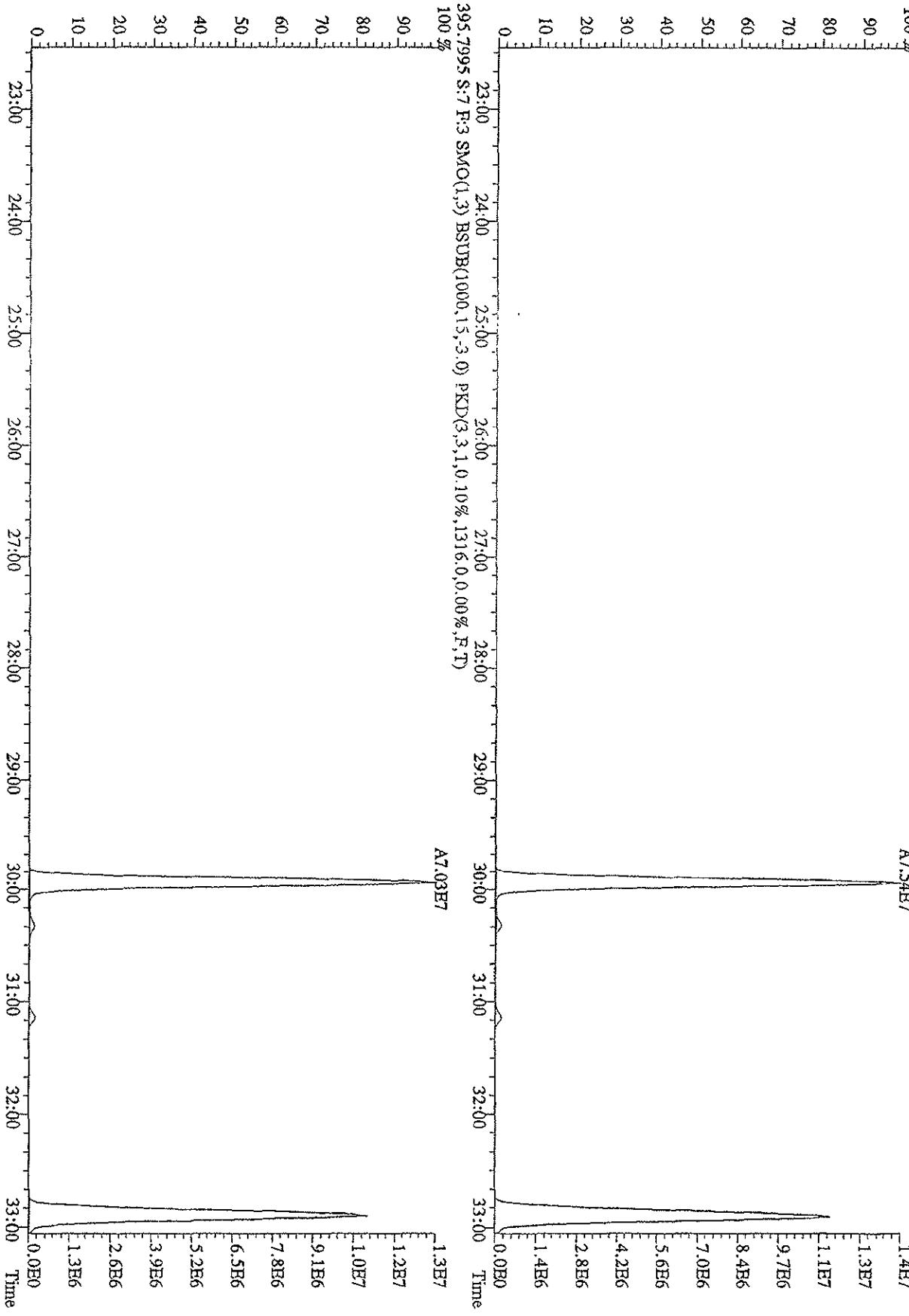
File: 151A09DD5 #1-597 Acq: 16-JAN-2009 01:33:31 GC HI+ Voltage SIR Autospec-UltimaB  
 Sample#7 Text: ST0115E 2nd Source 09DXN055 Exp: 209DBS  
 359.8415 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1748,0,0,00%,F,T)  
 100% A9.88E7



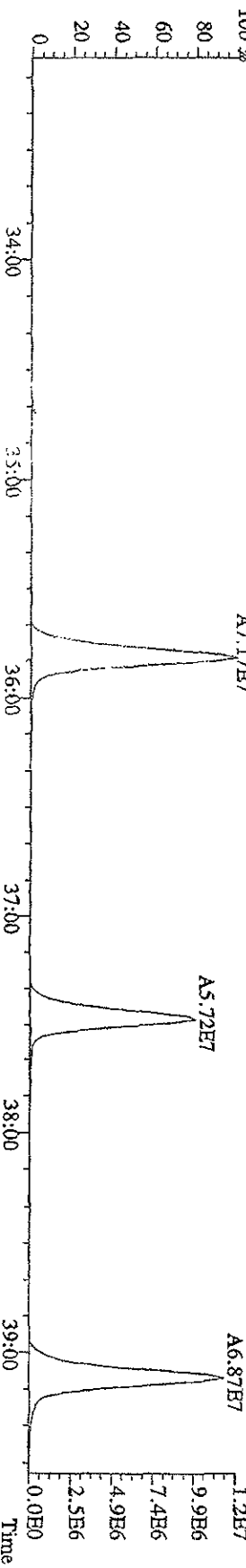
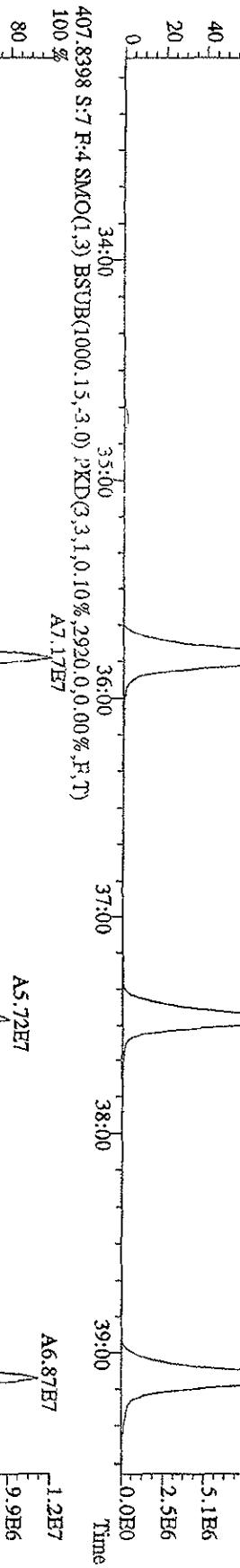
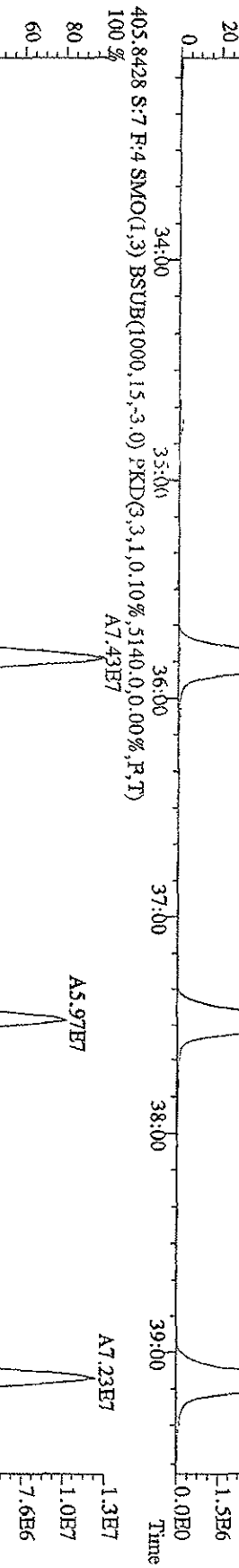
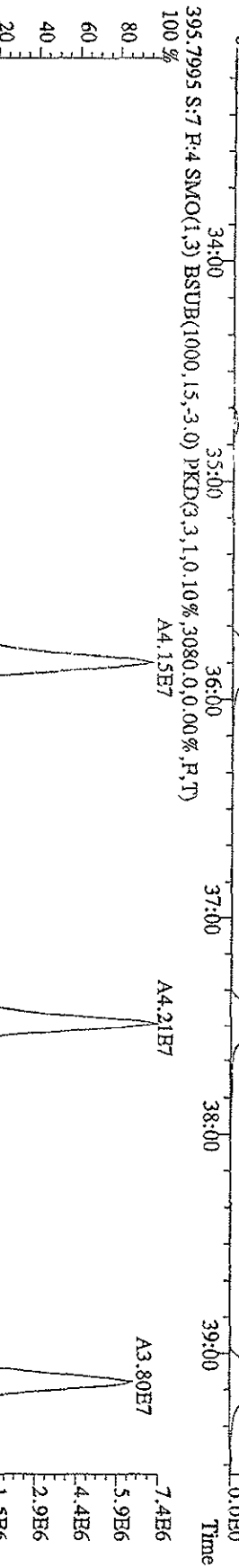
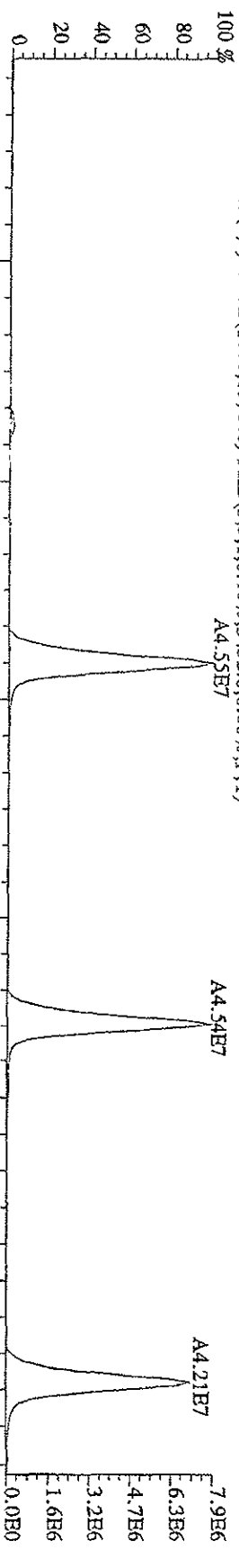
File:151A09DD9D5 #1-395 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:ST0115E .2nd Source 09DXN055 Exp:209DB5  
 359.8415 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,11588,0,0.00%,F,T)  
 100% A7.14E7



File:151A09DD9D5 #1-597 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage STD Autospec-Ultimate  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:209DB5  
 393.8025 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1316,0,0,00%,F,T)  
 100%



File: 151A09D9D5 #1-395 Acq:16-JAN-2009 01:33:31 GC HF+ Voltage SIR Autospec-UltimaB  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:209DB5  
 393.8025 S:7 R:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,.5432,0,0,0,0%,R,T)



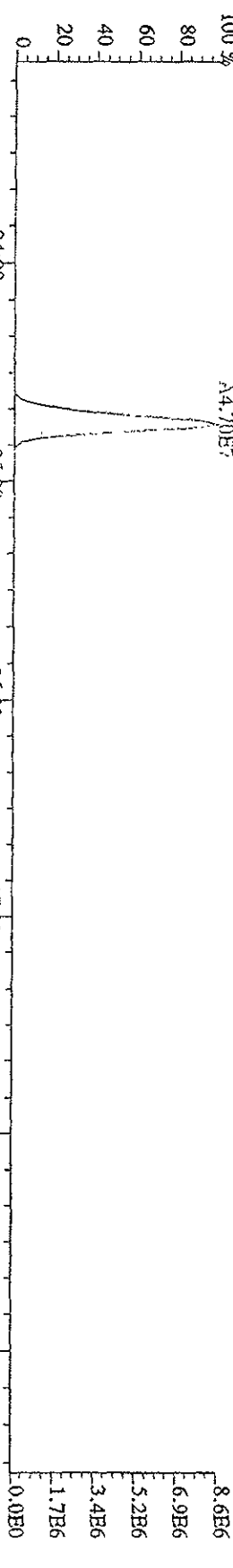


File:15IA09D9D5 #1-395 Acq:16-JAN-2009 01:33:31 GC BI+ Voltage SIR Autospec-UltraB

Sample#7 Text:ST0115E :2nd Source 09DXN0655 Exp:209DB5

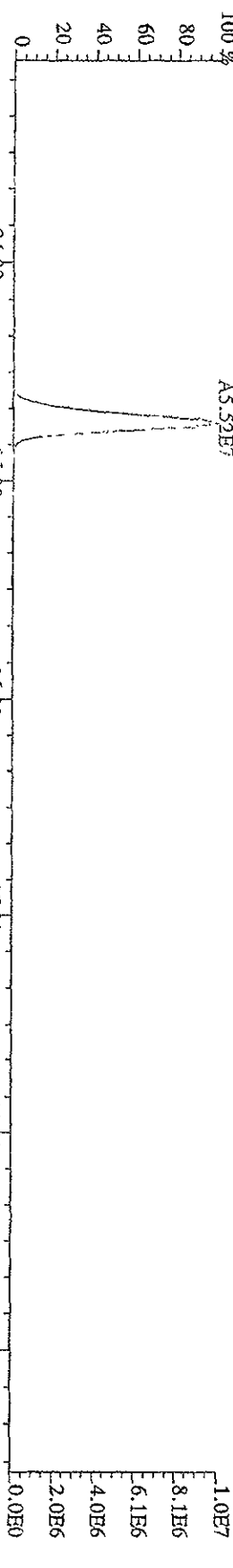
427.7635 S:7 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,708,0.0,0.00%,F,T)

A4.70E7



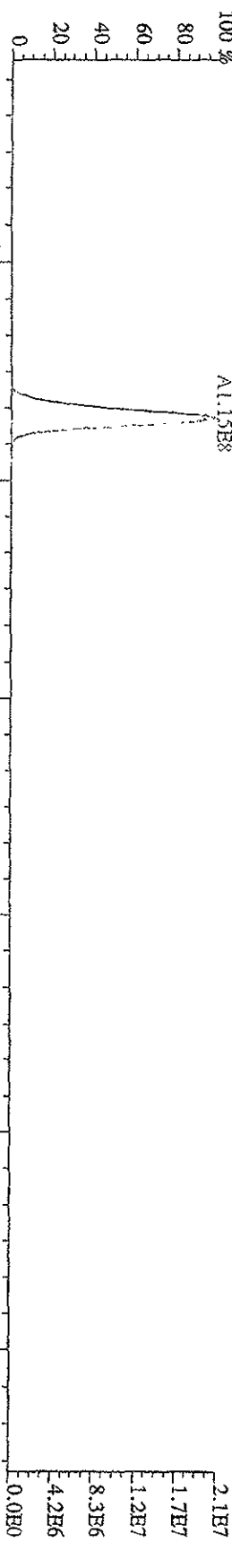
429.7606 S:7 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1612,0.0,0.00%,F,T)

A5.52E7



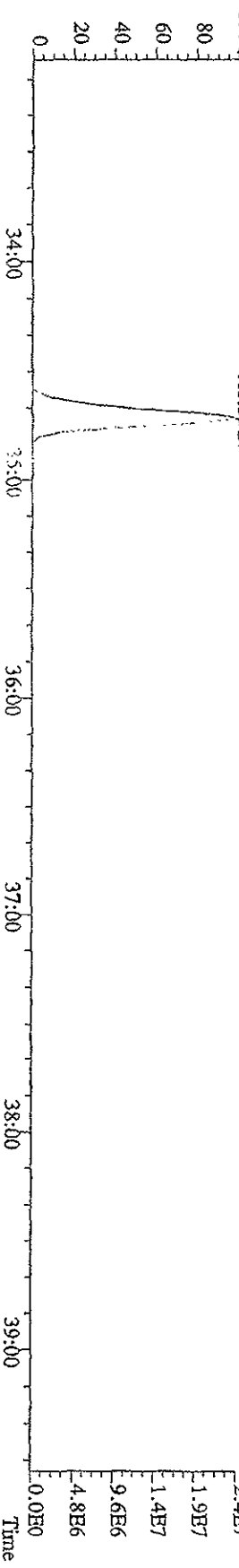
439.8038 S:7 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,44,0.0,0.00%,F,T)

A1.15E8

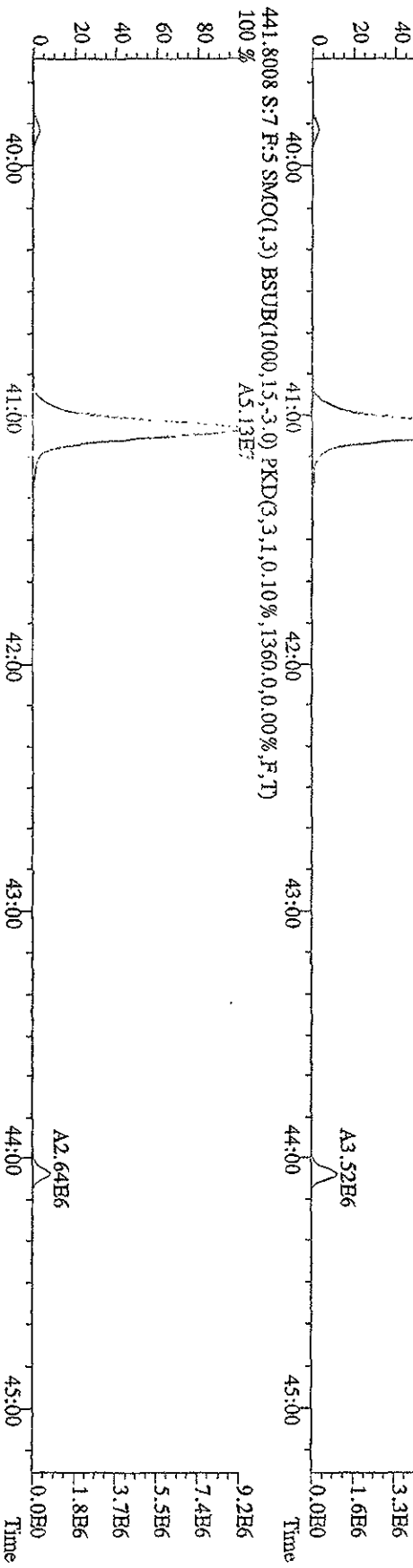
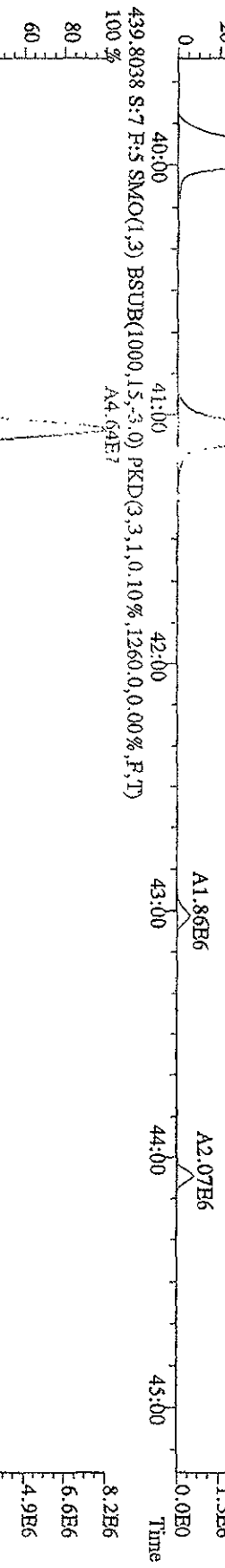
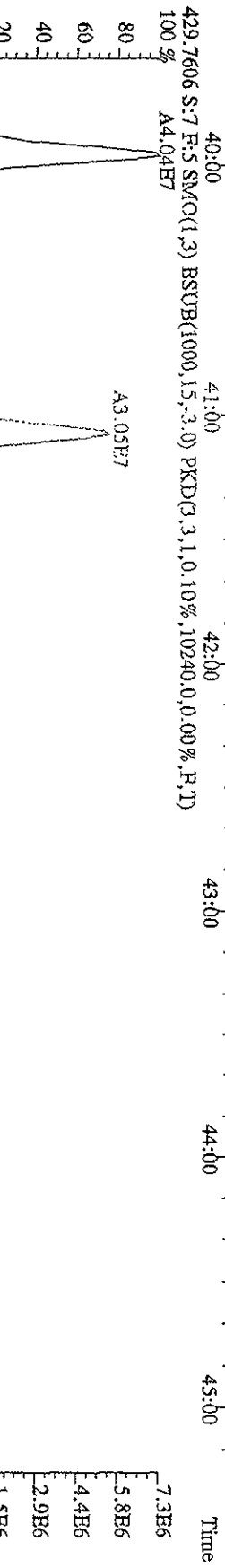
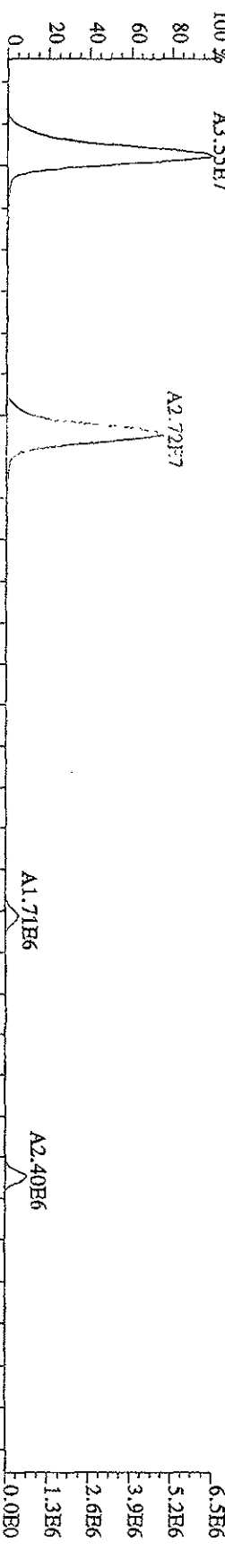


441.8008 S:7 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1056,0.0,0.00%,F,T)

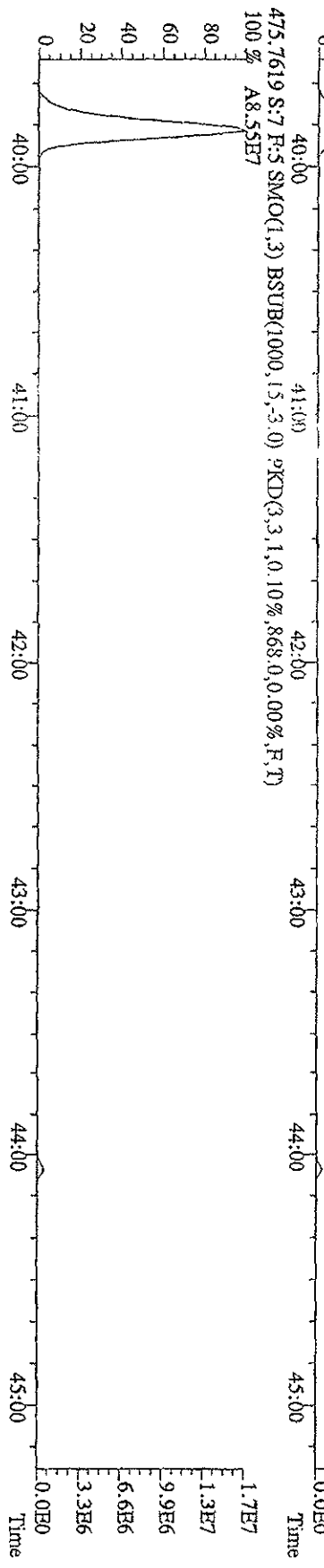
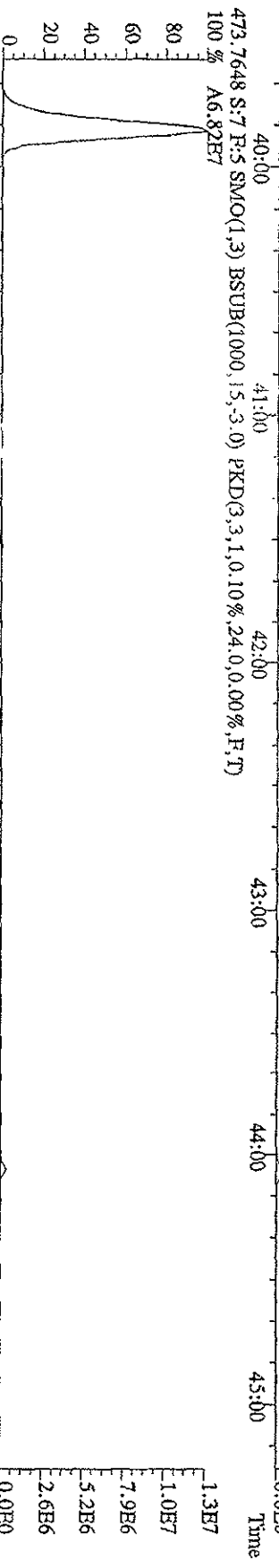
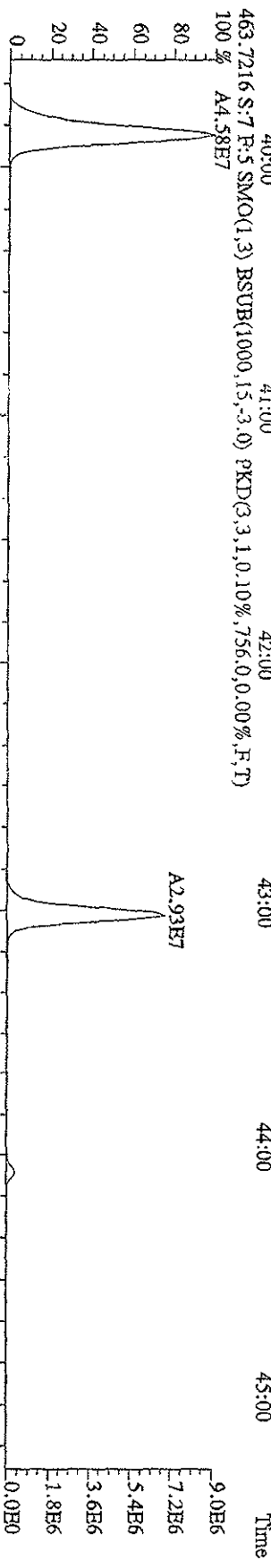
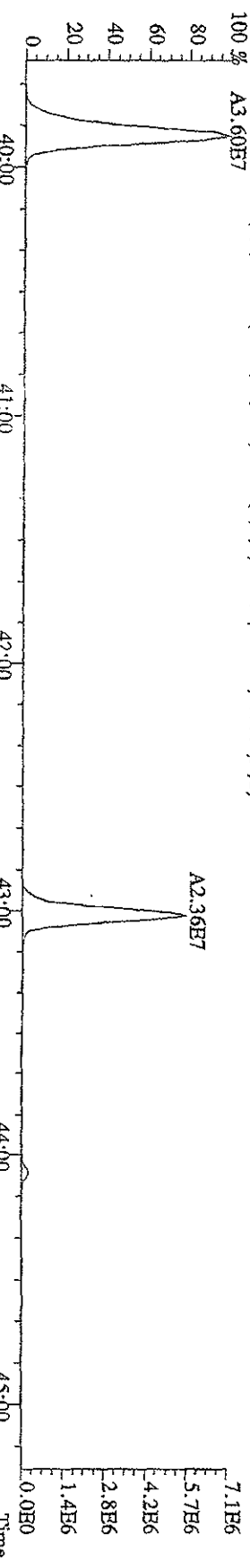
A1.33E8



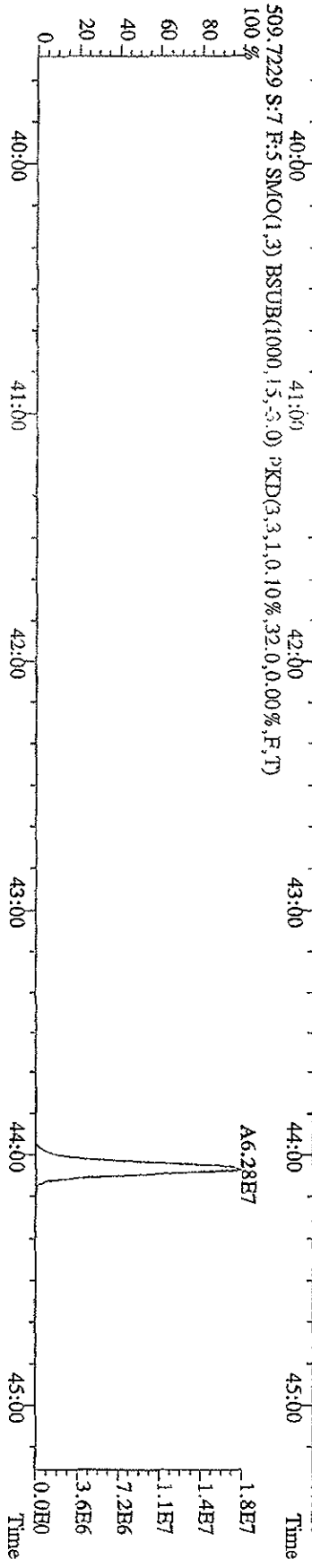
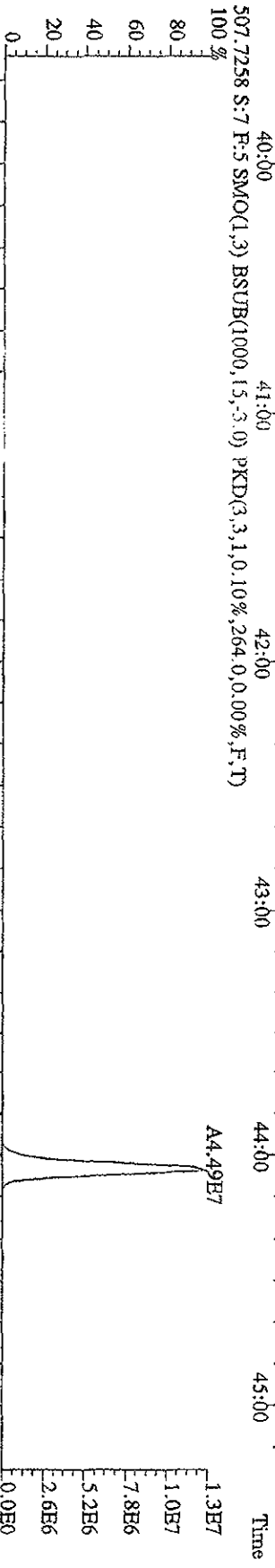
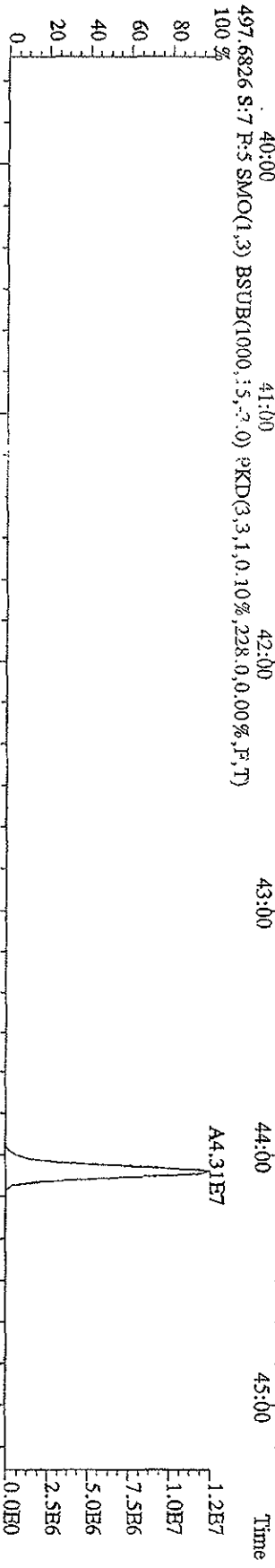
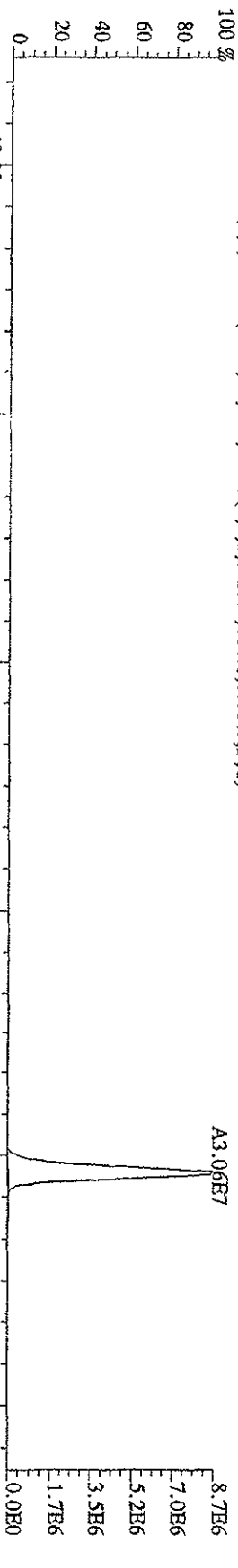
File:151A09D9D5 #1-378 Acq:16-JAN-2009 01:33:31 GC BI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E 2nd Source 09DxN055 Exp:209DB5  
 427.7635 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,8132,0,0,00%,F,T)  
 100% A3.55E7



File:131A09D9D5 #1-378 Acq:16-JAN-2009 01:35:31 GC BI+ Voltage SIR Autospec-UltraB  
Sample#7 Text:ST015E :2nd Source 09DXN055 Exp:209DB5  
461.7245 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1768,0,0.00%,F,T)  
100% A3.60E7

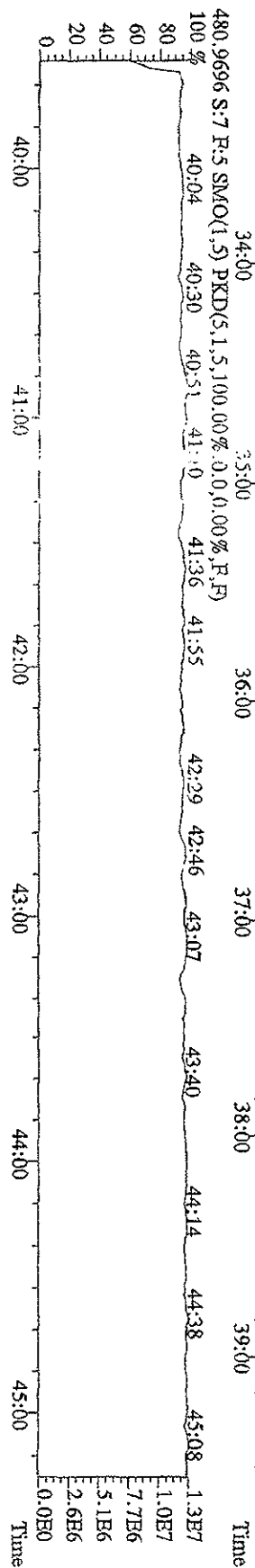
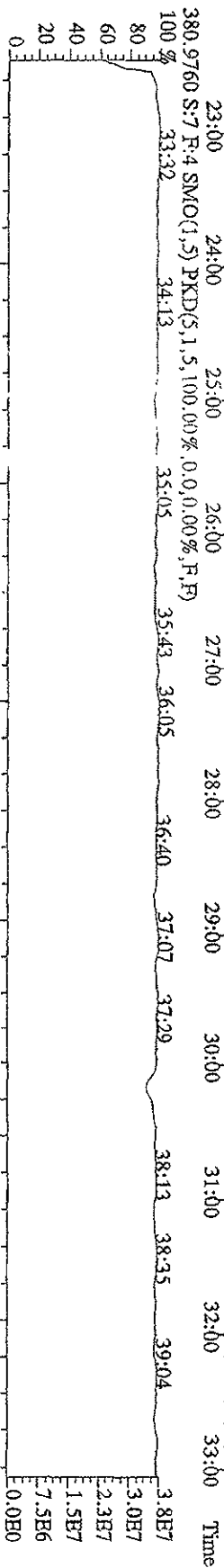
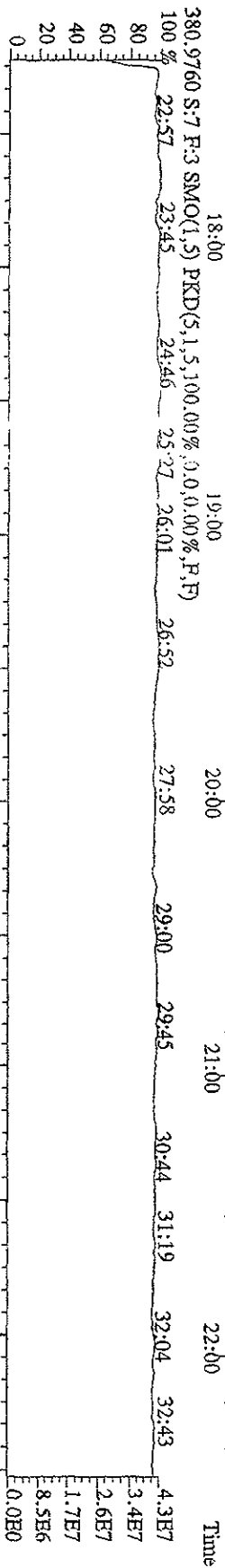
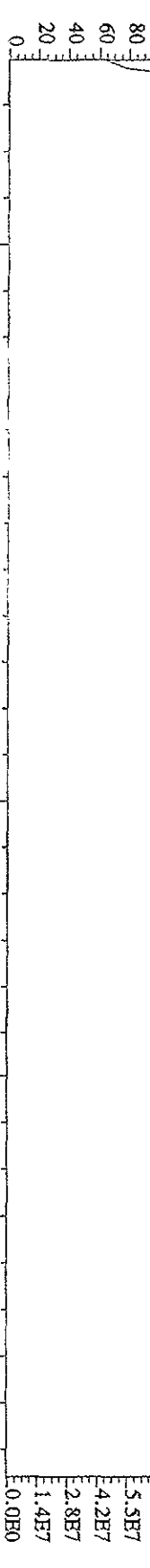
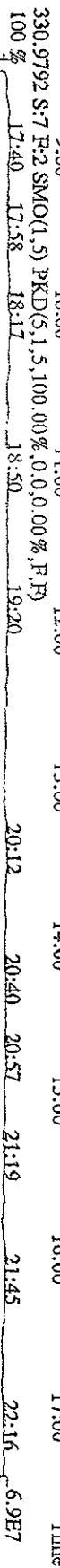
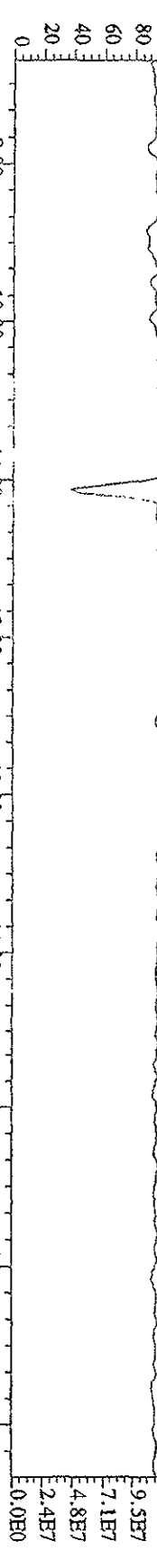


File: 151A09D9D5 #1-378 Acq: 16-JAN-2009 01:53:31 GC EI+ Voltage: SIR Autospec-UHhnaE  
 Sample#7 Text: ST0115E 2nd Source 09DXN055 Exp: 209DB5  
 495.6826 S: 7 F: 5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,228,0,0,00%,F,T)  
 100%



File:15IA09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltraR

Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

Data Checklist  
HRGCMS/LRGCMS Analyses

THE LEADER IN ENVIRONMENTAL TESTING

Lot ID #: G9B250206 Method ID: 1668  
Sample #: \_\_\_\_\_

	<u>DB-5</u>	<u>DB-225</u>
Data Analyst:	<u>AK</u>	_____
Date initiated:	<u>3/18/09</u> <u>3/26/09</u>	_____
Reviewer:	<u>Sh</u>	_____
Date reviewed:	<u>3/26/09</u>	_____

QA/QC verification:	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Daily standard package(s) present?	<u>/</u>	<u>✓</u>	_____	_____
-Method Blank present?	<u>/</u>	<u>✓</u>	_____	_____
-LCS/DCS copy present and meets native recovery criteria?	<u>/</u>	<u>✓</u>	_____	_____
-Internal standard recoveries within limits?*	<u>/</u> ①	<u>ncm</u>	_____	_____
-Ion ratios within + 15% of theoretical values?	<u>/</u>	<u>✓</u>	_____	_____
-Other QC (Dup,MS,SD) within specs?*	<u>NA</u>	<u>na</u>	_____	_____

Sample Analysis:	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Correct sample aliquot used?	<u>/</u>	<u>✓</u>	_____	_____
-All raw data present?	<u>/</u>	<u>✓</u>	_____	_____
-Standard target DL's used? If RI's are used specify: <u>1000</u>	<u>/</u>	<u>✓</u>	_____	_____
-DL's below TD/LCL (please circle)?	<u>/</u>	<u>✓</u>	_____	_____
-All positives reported at levels greater than method blank DL's?	<u>/</u>	<u>✓</u>	_____	_____
-Correct RRF's used for method?	<u>/</u>	<u>✓</u>	_____	_____
-Internal standard amounts correct for method?	<u>/</u>	<u>✓</u>	_____	_____
-Target analytes are not saturated?	<u>/</u>	<u>✓</u>	_____	_____
-Dilution/splitting of extract taken into account?	<u>NA</u>	<u>✓</u>	_____	_____
-Have dilution calculations been verified?	<u>NA</u>	<u>✓</u>	_____	_____
-Has a manual calculation for the sequence(s) been verified?	<u>/</u>	<u>✓</u>	_____	_____
-Are retention times (RT) correct?	<u>/</u>	<u>✓</u>	_____	_____
-Manual integrations checked?	<u>✓</u>	<u>✓</u>	_____	_____

Comments: (Use other side if necessary)  
05cc NCM

<b>* Recovery limits:</b>		<b>**RPD limits:</b>
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(C14-C16), 25-130%(C17-8), 70-130%(sum.)	50%
PCBs:	25-150%***	50%
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	
Method 1614:	25-150%***	

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

## Preparation Data Review Checklist

Prep Batch(es) 9059081 Test: DX1668-A  
 Prep Date: 2/22/09 Holding Times: 2/23/10 NCM: Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	/	NA
4. Worksheets have been checked for required spiking compounds	/	✓
5. Spiking volumes are correctly documented	/	✓
6. Std ID numbers on spike labels match numbers on bench sheet	/	NA
7. Expiration dates have been checked	/	✓
8. Calibration expiration dates on pipettors have been checked	/	NA
9. Spiker and spike witness have signed and dated bench sheet	/	✓
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: [Signature] Date: 2/23/09  
 2<sup>nd</sup> Level Reviewer: [Signature] Date: 3/4/09

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: WM Lot Number: G9B250206 Date: 2/27/09  
 Test: 1668 PCB Batch Number: 905908 SOP Reference Number: SAC-10-0013  
 Extraction: 1. Soxhlet On: 12:00 Off: 10:00 2. Soxhlet On: NA Off: NA

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL of $\mu$ L) (circle one)	Final Conc'n
G9B250206 - MB	puf/kad	2/27/09 cr	2/27/09		20.0	
- LCS					20.0	
- 1					20.0	
- 2				h	20.0	3409
- 3				3-409	20.0	
- 4					20.0	

All Samples/ Internal Standard (IS) addition: Standard Name: 1668 daily IS EXP: 12/16/09  
 Spike ID Number: 09DAN 383 Volume: 200  $\mu$ l Conc: 20 PS/ $\mu$ l  
 Spiked By: [Signature] Witnessed By: [Signature] Date: 2/27/09

LCS/LESD: Standard Name: 1668 PCB native Spike  
 Spike ID Number: STD 0145-08 Volume: 200  $\mu$ l Conc: 20 PS/ $\mu$ l 7/15/09  
 Spiked By: [Signature] Witnessed By: [Signature] Date: 2/27/09

Pre-spike samples: MB only Standard Name: 1668 PCB pre-spike Surr  
 Spike ID Number: STD 0217-08 Volume: 40  $\mu$ l Conc: 100 PS/ $\mu$ l 8/21/09  
 Spiked By: [Signature] Witnessed By: [Signature] Date: 2/27/09

All Samples /Recovery Standard: Standard Name: Daily RG  
 Spike ID Number: 09DAN 1044 Volume: 20  $\mu$ l Conc: 100  $\mu$ g/ $\mu$ l  
 Spiked By: [Signature] Witnessed By: [Signature] Date: 3-4-09

Split/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
T.L 3/04/09	—	—	T.L 03/04/09	—

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
DCM	JT Baker	NA	20% DCM:Hexane	NA	NA
Toluene	JT Baker	G40N68	65% DCM:Hexane	NA	NA
Hexane	JT Baker	G41E44	Silica Gel	Whatman	22-22
H2SO4	JT Baker	NA	Acid Alumina	NA	NA

Comments: \_\_\_\_\_

## Preparation Data Review Checklist

Prep Batch(es) 9059081 Test: DX1668-A  
 Prep Date: 2/29/09 Holding Times: 2/23/10 NCM: Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	/	NA
4. Worksheets have been checked for required spiking compounds	/	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	/	NA
7. Expiration dates have been checked	/	✓
8. Calibration expiration dates on pipettors have been checked	/	NA
9. Spiker and spike witness have signed and dated bench sheet	/	✓
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: [Signature]

Date: 2/29/09

2<sup>nd</sup> Level Reviewer: [Signature]

Date: 3/4/09

Comments:

---



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Method ID 1668

Lot # G9B250206

Analyst (Print Name) Adrian Messecar

Analyst Initials AM

Date 3-16-09

<u>Sample#</u>	<u>Original F.V.</u> <u>(uL)</u>	<u>Aliquot (uL)</u>	<u>Dilution F.V.</u> <u>(uL)</u>	<u>Dilution Factor</u>
1	20	1	10	10X
2	↓	↓	↓	↓
3	↓	↓	↓	↓
4	↓	↓	↓	↓

**Comments:**

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May 19, 2009

**TestAmerica Project Number: G9C310247**

PO/Contract: 565

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on March 31, 2009. These samples are associated with your KHF project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

## Table of Contents

### TestAmerica West Sacramento Project Number G9C310247

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4

    Sample Data Sheets

    Method Blank Report

    Laboratory QC Reports

Full Raw Data Package

## Case Narrative

### TestAmerica West Sacramento Project Number G9C310247

#### General Comments

The samples were received at the lab at 7 degrees Celsius. Three gel packs were used as cooling agents.

#### AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4

These samples were analyzed at dilutions due to matrix interferences.

Sample: 2

The 13C-PeCB-101 recovery standard did not meet ion abundance ratio acceptance criteria for this sample. Theoretical areas were used to quantitate the associated internal standard recoveries. There should be no impact on the data.

Sample: 2

The 13C-PCB-81, 13C-PCB-123, 13C-PCB-114, & 13C-PCB-126 internal standards did not meet ion abundance ratio acceptance criteria for this sample. Theoretical areas were used to quantitate the internal standard recoveries and related target analytes. There should be no impact on the data.

Sample: 2

The PCB 77 detection limit was elevated for this sample due to matrix interferences. This elevated detection limit has been flagged with a 'G' qualifier and may be considered a maximum possible concentration.

There are no other anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	NA

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G9C310247

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
K9DN1	1	MAR09-UMS1-T09A	3/6/2009 11:59 PM	3/31/2009 09:10 AM
K9DN8	2	MAR09-DMS1-T09A	3/6/2009 11:59 PM	3/31/2009 09:10 AM
K9DPC	3	MAR09-MPS-T09A	3/6/2009 11:59 PM	3/31/2009 09:10 AM
K9DPF	4	MAR09-BLANK-T09A	3/6/2009 11:59 PM	3/31/2009 09:10 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.



# Chain of Custody Record

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_  
Drinking Water? Yes  No

TAL-4124 (1007)

Client: **CAEM. WASTE MGMT. INC**  
Address: **35251 OLD SKYLINE**  
City: **KETTLEMAN CITY** State: **CA** Zip Code: **93239**

Project Manager: **PAUL TUREK** Date: **03/30/09** Chain of Custody Number: **108070**  
Telephone Number (Area Code): **(559) 386-6151** Fax Number: \_\_\_\_\_ Lab Number: \_\_\_\_\_ Page: **1** of **1**

Site Contact: **STEVEN HOLSTOWER** Lab Contact: **KAREN DAHL**  
Carrier/Waybill Number: **FEO EX**

Project Name and Location (State): **KHF**  
Contract/Purchase Order/Quote No.: **565**

Special Instructions/Conditions of Receipt:

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives						Analysis (Attach list if more space is needed)			
			Air	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc		HNO2		
<b>MAR 09 - VMS1 - T09A</b>	<b>03/06/09</b>	<b>2359</b>	X												
<b>MAR 09 - VMS1 - T09A</b>			X												
<b>MAR 09 - MPS - T09A</b>			X												
<b>MAR 09 - BLANK - T09A</b>			X												

Sample Disposal:  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**

QC Requirements (Specify):

1. Relinquished By: **STEVEN HOLSTOWER** Date: **03/30/09** Time: **1700**  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: **P. Lorell** Date: **5/31/09** Time: **0925**  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments:

CLIENT Clem Waste Mgmt. inc. PM 140 LOG # 57732

LOT# (QUANTIMS ID) G9C310247 QUOTE# 81307 LOCATION w14D

DATE RECEIVED 3/31/09 TIME RECEIVED 0910 Initials LV Date 3/31/09

DELIVERED BY  FEDEX  CA OVERNIGHT  CLIENT  
 AIRBORNE  GOLDENSTATE  DHL  
 UPS  BAX GLOBAL  GO-GETTERS  
 TAL COURIER  VALLEY LOGISTICS  MORGAN HILL COURIER  
 OTHER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) 022276

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER \_\_\_\_\_

COC #(S) 108670

TEMPERATURE BLANK Observed: NA Corrected: \_\_\_\_\_

### SAMPLE TEMPERATURE

Observed: 7 8 7 Average: 7 Corrected Average: 7

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY: \_\_\_\_\_

LABELS CHECKED BY: \_\_\_\_\_

PEER REVIEW  NA

### SHORT HOLD TEST NOTIFICATION

### SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C – 6 °C)\*  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Notes: \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Lot

ID: 69C310247

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF	/	/	/	/																
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

# AIR, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: MAR09-UMS1-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9C310247-001    Work Order #...: K9DN11AA    Matrix.....: AIR  
 Date Sampled...: 03/06/09    Date Received...: 03/31/09  
 Prep Date.....: 04/02/09    Analysis Date...: 04/13/09  
 Prep Batch #...: 9093277  
 Dilution Factor: 5

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>1200 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	95	(25 - 150)
13C12-PCB 81	94	(25 - 150)
13C12-PCB 118	110	(25 - 150)
13C12-PCB 114	114	(25 - 150)
13C12-PCB 105	117	(25 - 150)
13C12-PCB 126	110	(25 - 150)
13C12-PCB 167	96	(25 - 150)
13C12-PCB 156	90	(25 - 150)
13C12-PCB 157	99	(25 - 150)
13C12-PCB 169	89	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	89	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: MAR09-DMS1-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9C310247-002    Work Order #...: K9DN81AA    Matrix.....: AIR  
 Date Sampled...: 03/06/09    Date Received...: 03/31/09  
 Prep Date.....: 04/02/09    Analysis Date...: 04/13/09  
 Prep Batch #...: 9093277  
 Dilution Factor: 5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	1100	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>4000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>7300 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	97	(25 - 150)
13C12-PCB 81	77	(25 - 150)
13C12-PCB 118	125	(25 - 150)
13C12-PCB 114	115	(25 - 150)
13C12-PCB 105	102	(25 - 150)
13C12-PCB 126	94	(25 - 150)
13C12-PCB 167	103	(25 - 150)
13C12-PCB 156	100	(25 - 150)
13C12-PCB 157	108	(25 - 150)
13C12-PCB 169	92	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	96	(25 - 150)

**NOTE(S) :**

G Elevated reporting limit The reporting limit is elevated due to matrix interference.  
 C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: MAR09-MPS-T09A

Trace Level Organic Compounds

Lot-Sample #....: G9C310247-003    Work Order #....: K9DPC1AA    Matrix.....: AIR  
 Date Sampled...: 03/06/09    Date Received...: 03/31/09  
 Prep Date.....: 04/02/09    Analysis Date...: 04/13/09  
 Prep Batch #....: 9093277  
 Dilution Factor: 5

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>1300 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>3200 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	101	(25 - 150)
13C12-PCB 81	96	(25 - 150)
13C12-PCB 118	110	(25 - 150)
13C12-PCB 114	115	(25 - 150)
13C12-PCB 105	119	(25 - 150)
13C12-PCB 126	122	(25 - 150)
13C12-PCB 167	98	(25 - 150)
13C12-PCB 156	100	(25 - 150)
13C12-PCB 157	104	(25 - 150)
13C12-PCB 169	102	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	86	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: MAR09-BLANK-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9C310247-004    Work Order #...: K9DPF1AA    Matrix.....: AIR  
 Date Sampled...: 03/06/09    Date Received...: 03/31/09  
 Prep Date.....: 04/02/09    Analysis Date...: 04/10/09  
 Prep Batch #...: 9093277  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND H	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND H	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND H	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND H	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND H	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	100	(25 - 150)
13C12-PCB 81	94	(25 - 150)
13C12-PCB 118	91	(25 - 150)
13C12-PCB 114	100	(25 - 150)
13C12-PCB 105	108	(25 - 150)
13C12-PCB 126	127	(25 - 150)
13C12-PCB 167	108	(25 - 150)
13C12-PCB 156	101	(25 - 150)
13C12-PCB 157	110	(25 - 150)
13C12-PCB 169	107	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	75	(25 - 150)

**NOTE (S) :**

H: The results are from 5X dilution analysis at 18:30 04/13/09 9D5.



# QC DATA ASSOCIATION SUMMARY

G9C310247

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9093277	
002	AIR	EPA-14 1668		9093277	
003	AIR	EPA-14 1668		9093277	
004	AIR	EPA-14 1668		9093277	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9C310247      Work Order #...: K9J7L1AA      Matrix.....: AIR  
 MB Lot-Sample #: G9D030000-277  
 Analysis Date...: 04/10/09      Prep Date.....: 04/02/09  
 Dilution Factor: 1      Prep Batch #...: 9093277

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	110	(25 - 150)
13C12-PCB 81	109	(25 - 150)
13C12-PCB 118	93	(25 - 150)
13C12-PCB 114	99	(25 - 150)
13C12-PCB 105	98	(25 - 150)
13C12-PCB 126	104	(25 - 150)
13C12-PCB 167	130	(25 - 150)
13C12-PCB 156	134	(25 - 150)
13C12-PCB 157	134	(25 - 150)
13C12-PCB 169	140	(25 - 150)

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 111	90	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9C310247      Work Order #...: K9J7L1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9D030000-277  
 Prep Date.....: 04/02/09      Analysis Date...: 04/10/09  
 Prep Batch #...: 9093277  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	3940	pg	99	EPA-14 1668
PCB 81 (BZ)	4000	4030	pg	101	EPA-14 1668
PCB 105 (BZ)	4000	4090	pg	102	EPA-14 1668
PCB 114 (BZ)	4000	4080	pg	102	EPA-14 1668
PCB 118 (BZ)	4000	4160	pg	104	EPA-14 1668
PCB 123 (BZ)	4000	4120	pg	103	EPA-14 1668
PCB 126 (BZ)	4000	3980	pg	100	EPA-14 1668
PCB 156 (BZ)	4000	3910	pg	98	EPA-14 1668
PCB 157 (BZ)	4000	3900	pg	98	EPA-14 1668
PCB 167 (BZ)	4000	3090	pg	77	EPA-14 1668
PCB 169 (BZ)	4000	3770	pg	94	EPA-14 1668
PCB 189 (BZ)	4000	3770	pg	94	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	95	(25 - 150)
13C12-PCB 81	89	(25 - 150)
13C12-PCB 118	86	(25 - 150)
13C12-PCB 114	93	(25 - 150)
13C12-PCB 105	99	(25 - 150)
13C12-PCB 126	120	(25 - 150)
13C12-PCB 167	118	(25 - 150)
13C12-PCB 156	126	(25 - 150)
13C12-PCB 157	126	(25 - 150)
13C12-PCB 169	140	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #....: G9C310247      Work Order #....: K9J7L1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9D030000-277  
 Prep Date.....: 04/02/09      Analysis Date...: 04/10/09  
 Prep Batch #....: 9093277  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	99	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	101	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	102	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	102	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	104	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	103	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	100	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	98	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	98	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	77	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	94	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	94	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	95	(25 - 150)
13C12-PCB 81	89	(25 - 150)
13C12-PCB 118	86	(25 - 150)
13C12-PCB 114	93	(25 - 150)
13C12-PCB 105	99	(25 - 150)
13C12-PCB 126	120	(25 - 150)
13C12-PCB 167	118	(25 - 150)
13C12-PCB 156	126	(25 - 150)
13C12-PCB 157	126	(25 - 150)
13C12-PCB 169	140	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# AIR, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***ics***

***ms/sd***

***sample raw data***

***ms tune data***

RL (low pg/sample)

Run text: K9J7L-1-AAB      Sample text: K9J7L-1-AAB :G9C310247-1MB  
 Run #11 Filename: 09AP09B9D5 S: 29    I: 1      Results: 09AP09B9D51668MSL  
 Acquired: 10-APR-09    17:19:48      Processed: 10-APR-09    22:36:53  
 Run: 09AP09B9D5      Analyte: 1668MSL      Cal: 1668MSL0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000Samp

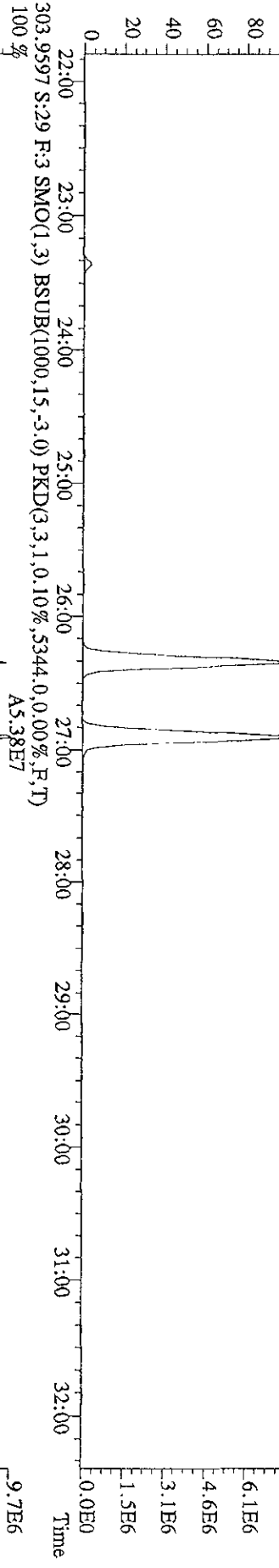
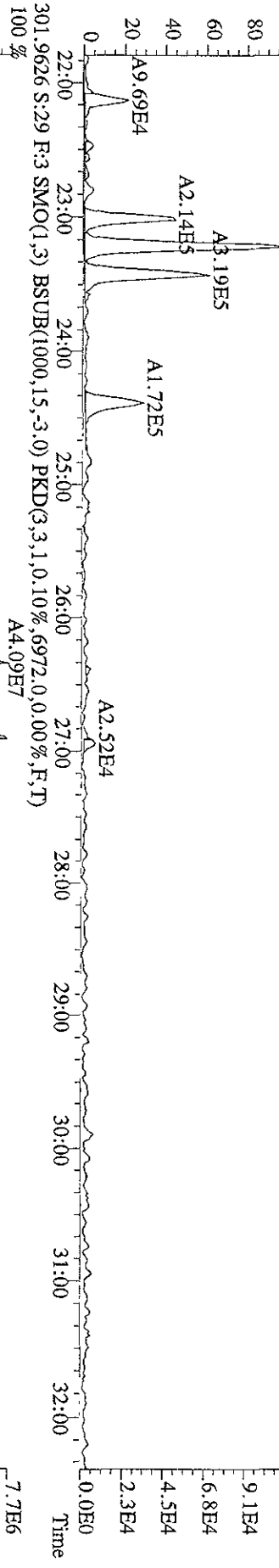
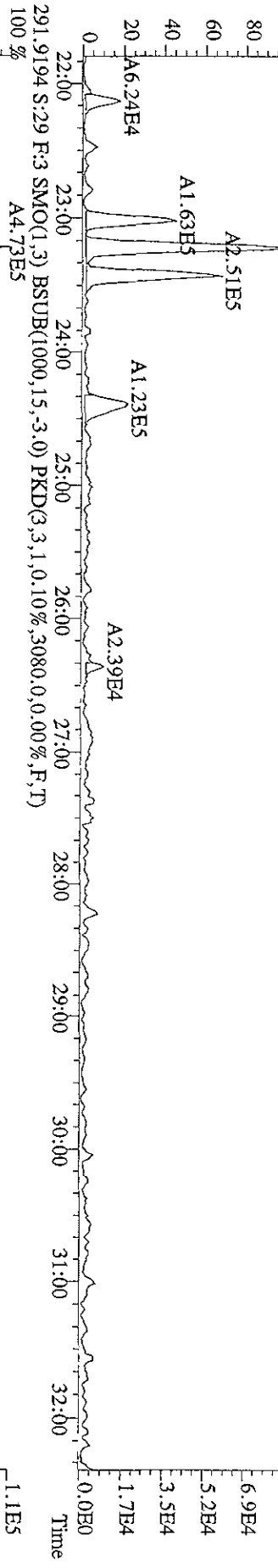
9/10 = 4/21/09

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	88830432	0.65 y	24:47	-	72.66	-	-	n
13C-TCB-81	92025892	0.80 y	26:21	0.95	4374.47	6.72	109.4	n
TCB-81	10981	3.85 n	26:22	1.28	<del>0.37</del>	2.94	-	n
13C-TCB-77	95555240	0.77 y	26:55	0.98	4379.89	6.48	109.5	n
TCB-77	*	* n	NotFnd	1.10	*	3.39	-	n
13C-PeCB-123	80832388	0.65 y	28:18	0.87	4176.69	3.64	104.4	n
PeCB-123	*	* n	NotFnd	1.51	*	2.64	-	n
13C-PeCB-118	81650986	0.65 y	28:25	0.98	3734.46	3.22	93.4	n
PeCB-118/106	382679	0.50 n	28:28	1.53	<del>12.27</del>	2.57	-	n
13C-PeCB-114	84937568	0.66 y	29:05	0.97	3957.94	3.28	98.9	n
PeCB-114	*	* n	NotFnd	1.59	*	2.36	-	n
13C-PeCB-105	77865064	0.64 y	29:57	0.90	3907.79	3.53	97.7	n
PeCB-105/127	160646	0.67 y	29:58	1.42	<del>5.80</del>	2.95	-	n
13C-PeCB-126	84096364	0.66 y	31:52	0.91	4154.43	3.48	103.9	n
PeCB-126	*	* n	NotFnd	1.17	*	3.34	-	n
13C-OcCB-202	79845116	0.85 y	34:10	-	62.05	-	-	n
13C-HxCB-167	87548156	1.25 y	33:00	0.84	5211.59	8.89	130.3	n
HxCB-167	*	* n	NotFnd	1.17	*	3.27	-	n
13C-HxCB-156	71926216	1.29 y	34:18	0.67	5376.27	11.16	134.4	n
HxCB-156	*	* n	NotFnd	1.45	*	3.14	-	n
13C-HxCB-157	75319940	1.23 y	34:37	0.71	5338.32	10.58	133.5	n
HxCB-157	*	* n	NotFnd	1.45	*	3.01	-	n
13C-HxCB-169	82225096	1.27 y	36:28	0.73	5615.86	10.20	140.4	n
HxCB-169	*	* n	NotFnd	0.99	*	3.77	-	n
13C-HpCB-180	62407538	1.03 y	35:16	0.58	5347.79	3.10	133.7	n
HpCB-180	150771	1.27 n	35:17	1.27	<del>7.64</del>	2.07	-	n
13C-HpCB-170	50641814	1.02 y	36:55	0.47	5347.66	3.82	133.7	n
HpCB-170/190	89981	0.74 n	36:57	1.61	<del>4.42</del>	2.02	-	n
13C-HpCB-189	67984372	1.03 y	38:34	0.60	5690.32	3.03	142.3	n
HpCB-189	18852	1.06 y	38:35	1.21	<del>0.92</del>	1.93	-	n
13C-PeCB-111	100818020	0.64 y	26:14	1.36	3615.14	3.25	90.4	n

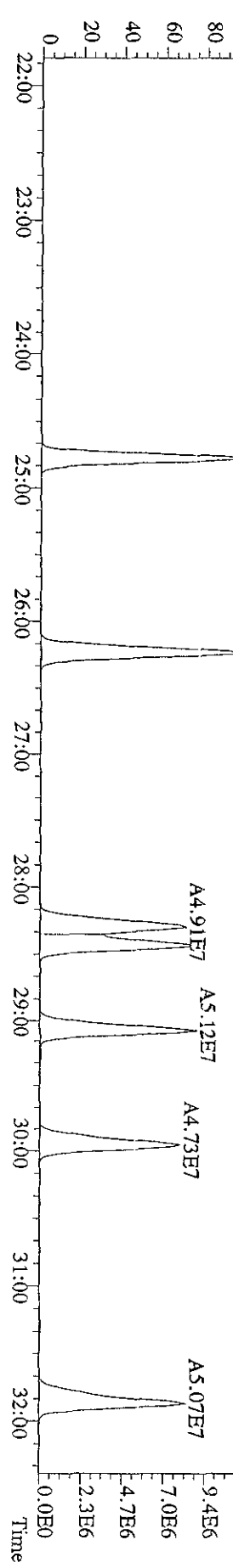
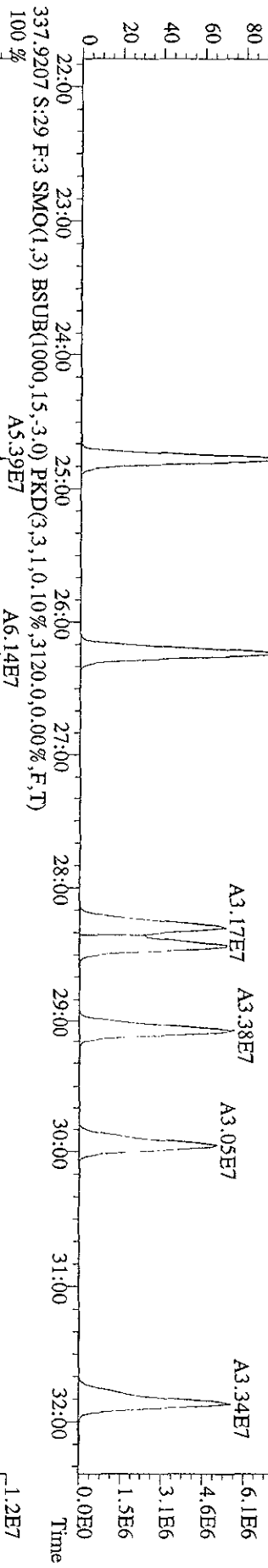
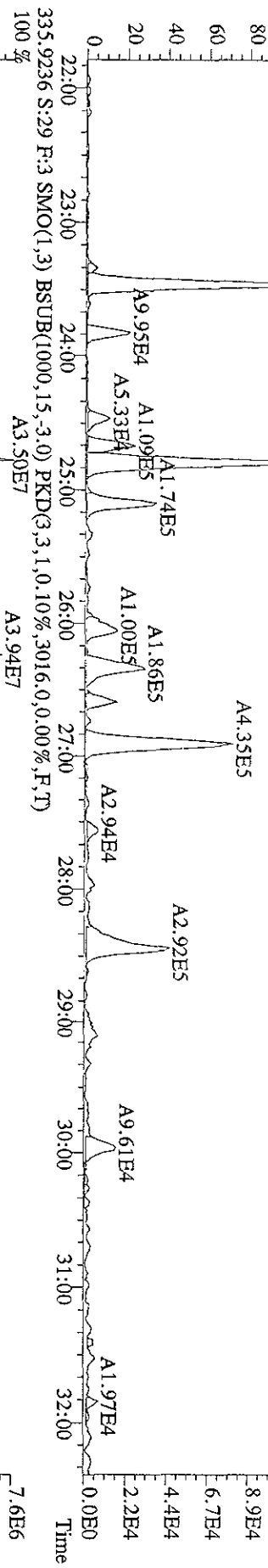
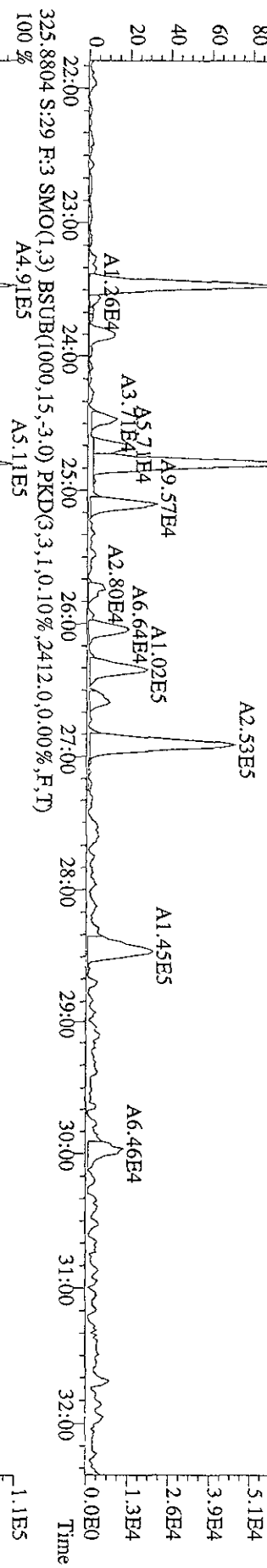
Handwritten 'LPL' and a vertical arrow pointing downwards.



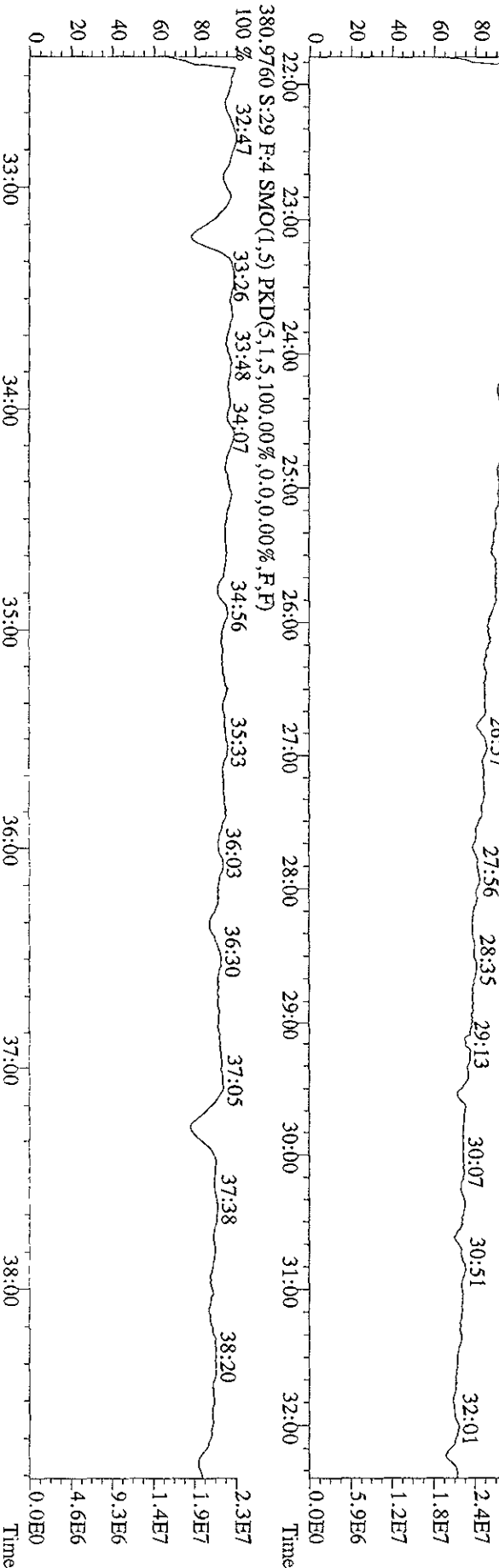
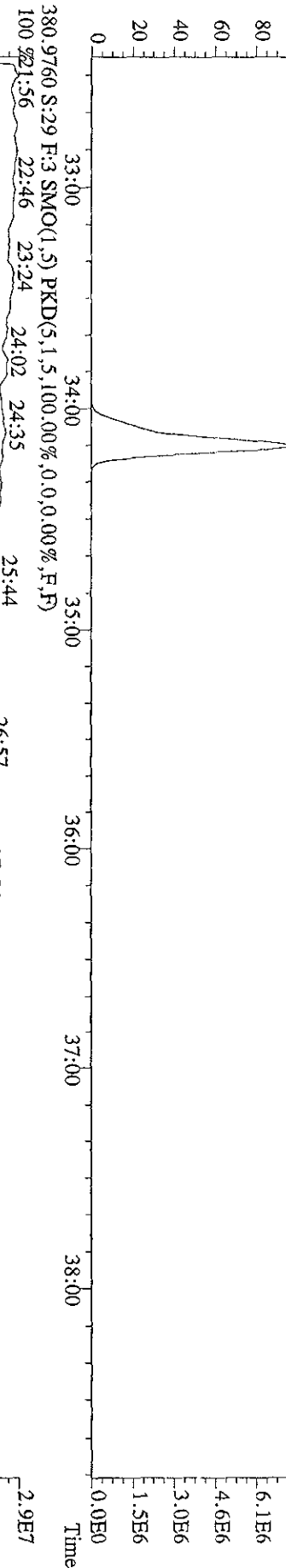
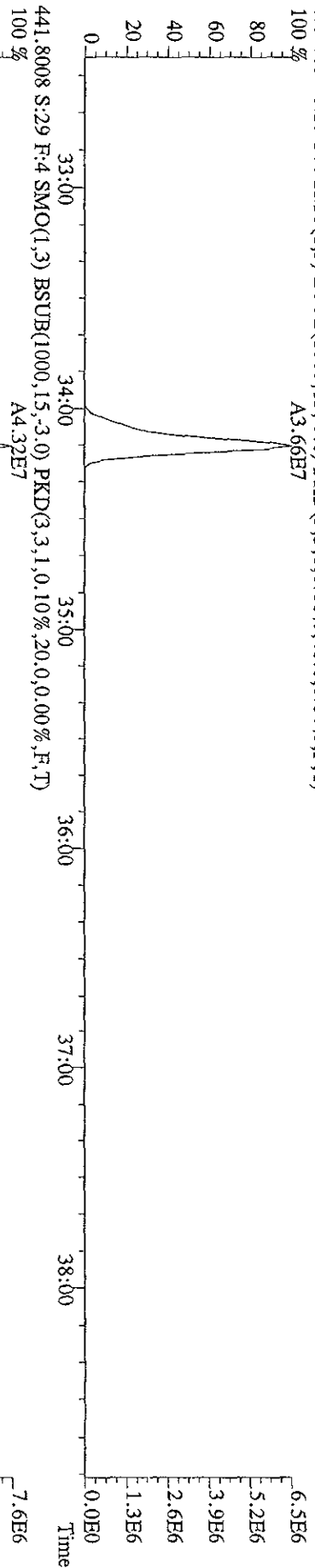
File:09AP09B9D5 #1-597 Acq:10-APR-2009 17:19:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#29 Text:K9J7L-1-AAB :G9C310247-1MB Exp:209DB5  
 289.9224 S:29 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3380,0,0,00%,F,T)  
 100% A3.66E5



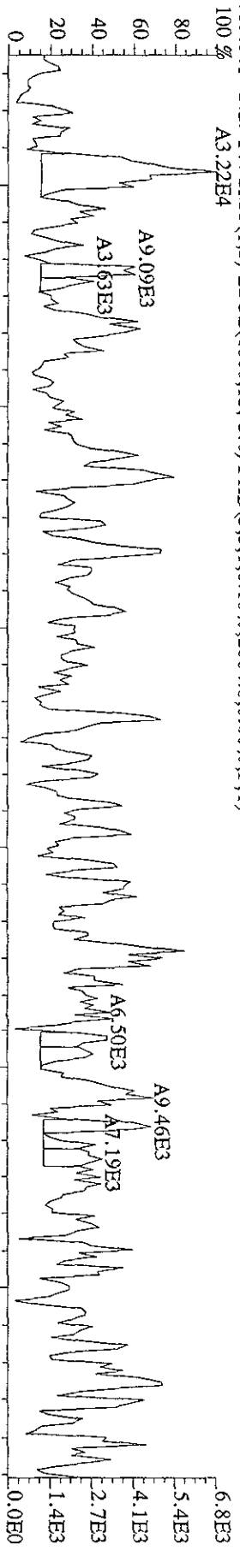
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 Sample#29 Text:K917L-1-AAB :G9C310247-1MB Exp:209DB5  
 323.8834 S:29 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3064,0,0,00%,F,T)  
 100 % A2.59E5 A2.89E5



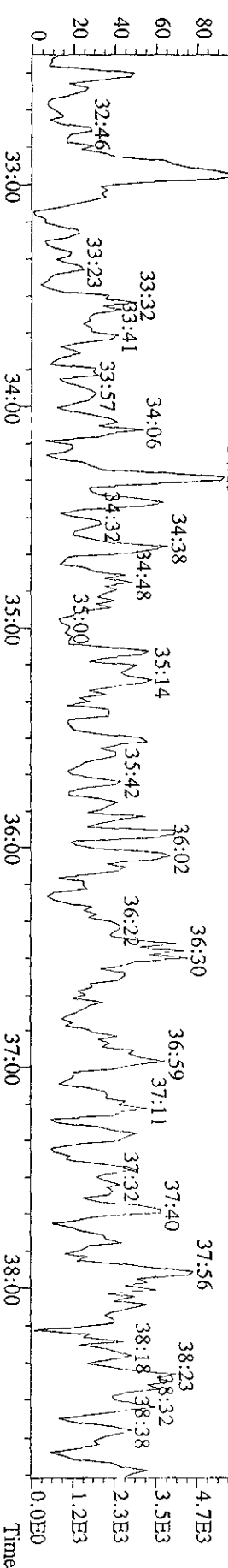
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 Sample#29 Text: K917L-1-AAB : G9C310247-1MB Exp: 209DB5  
 439.8038 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,20.0,0.00%,F,T)  
 100% A3.66E7



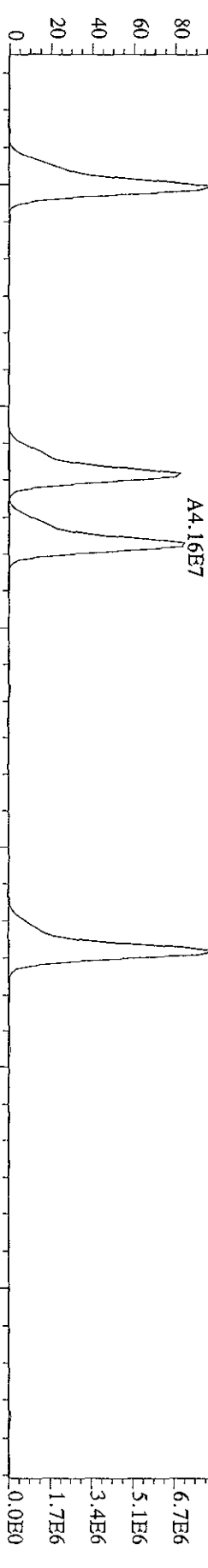
File:09ADP09B9D5 #1-393 Acq:10-APR-2009 17:19:48 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#29 Text:K9J7L-1-AAB :G9C310247-1MB Exp:209DB5  
 359.8415 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2864.0,0.00%,F,T)  
 A3.22E4



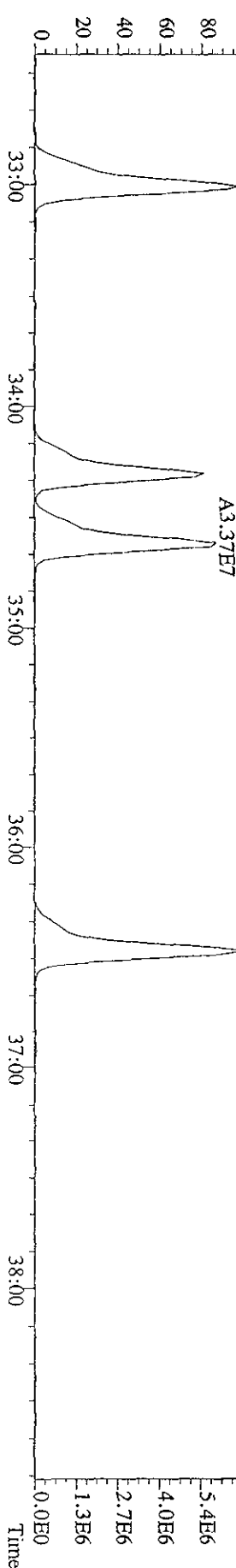
361.8385 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2772.0,0.00%,F,T)  
 100 %



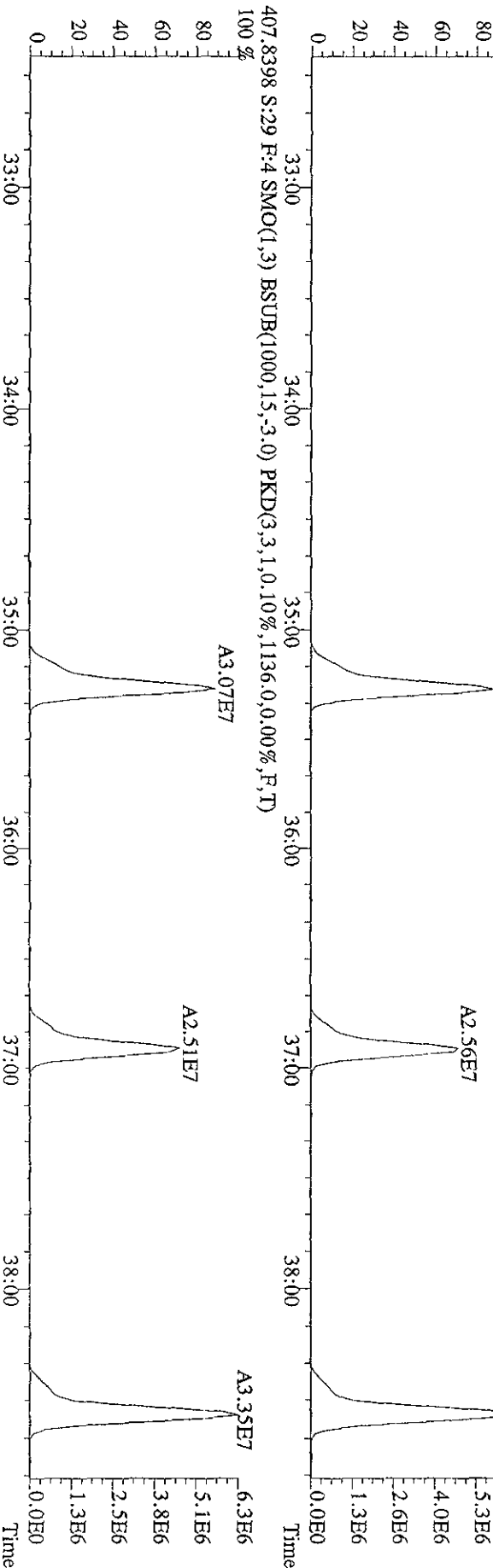
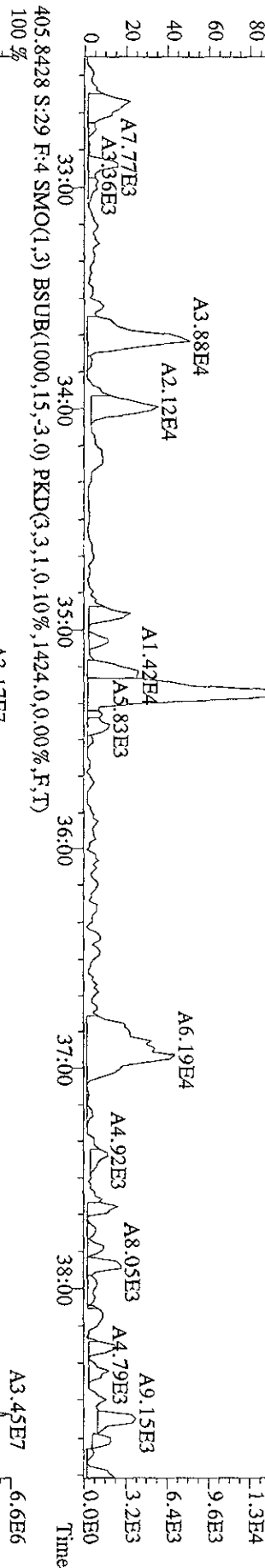
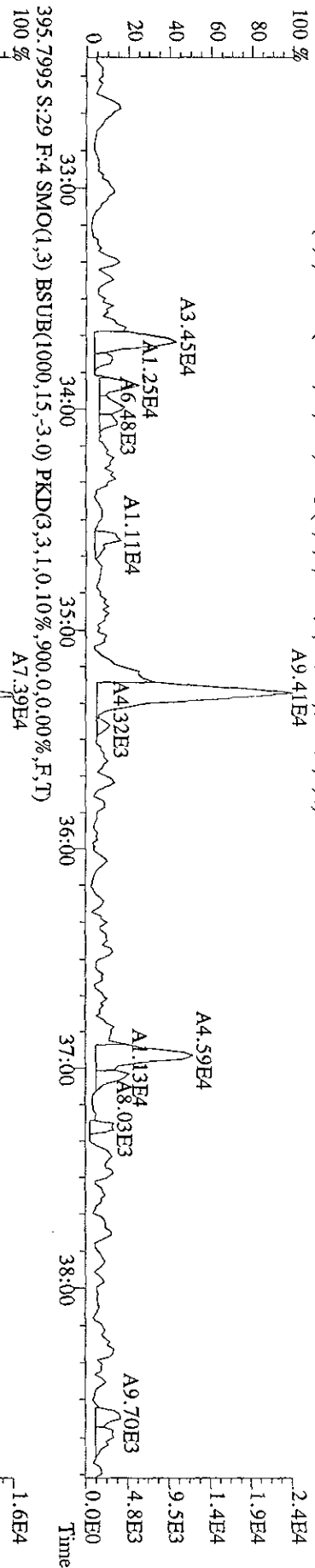
371.8817 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,5916.0,0.00%,F,T)  
 100 %



373.8788 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,4644.0,0.00%,F,T)  
 100 %



File:09ADP09B9D5 #1-393 Acq:10-APR-2009 17:19:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#29 Text:K917L-1-AAB :G9C310247-1MB Exp:209DB5  
 393.8025 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2104,0,0.00%,F,T)  
 100 %



Run text: K9J7L-1-ACC Sample text: K9J7L-1-ACC :G9C310247-1LCS  
 Run #12 Filename: 09AP09B9D5 S: 30 I: 1 Results: 09ap09b9d51668mslsy  
 Acquired: 10-APR-09 18:11:09 Processed: 10-APR-09 22:36:53  
 Run: 09AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 Samp

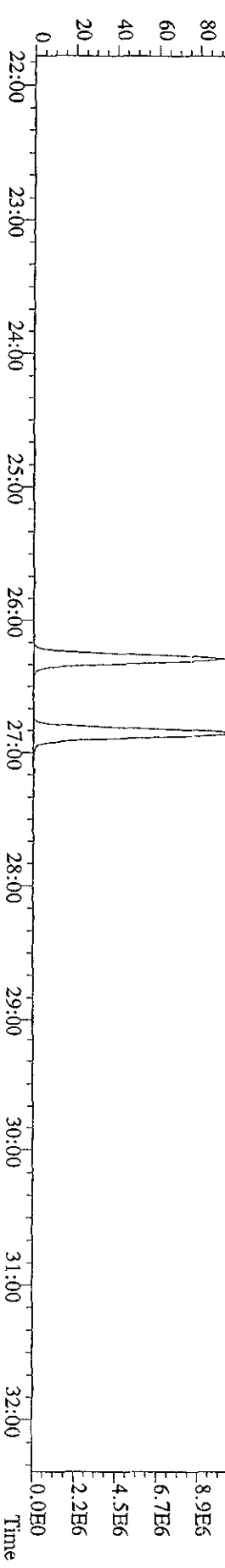
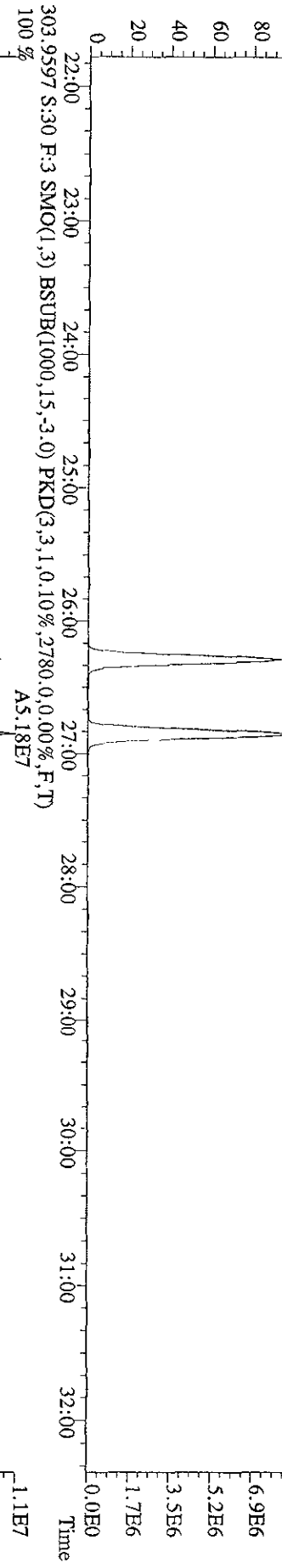
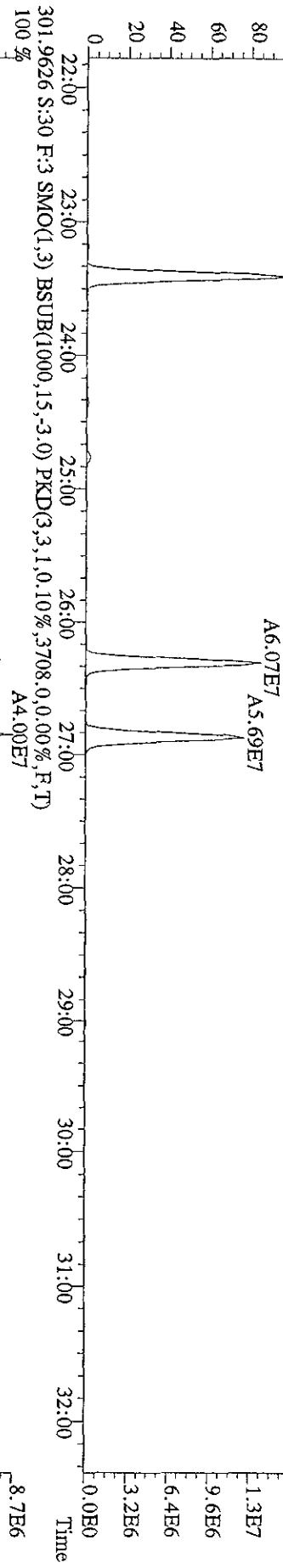
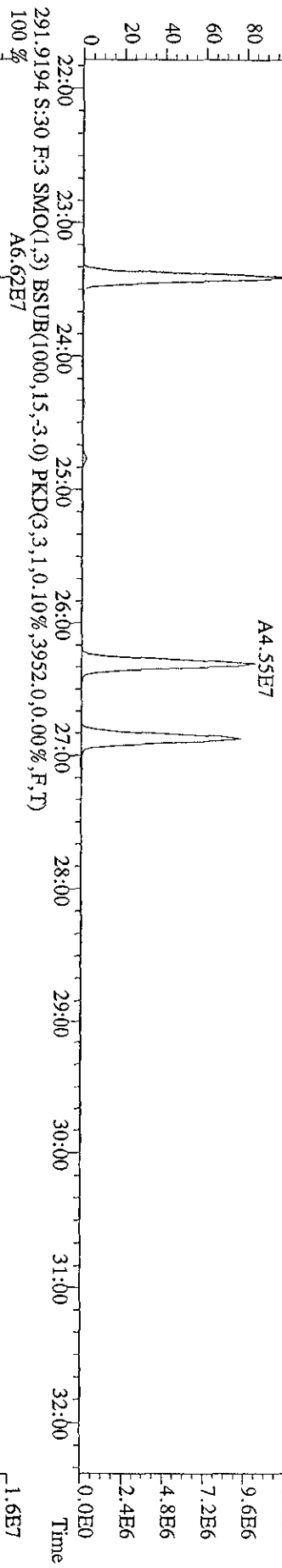
*380 04/21/09*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	98164800	0.66 y	24:44	-	80.29	-	-	n
13C-TCB-81	82541000	0.79 y	26:17	0.95	3550.52	2.95	88.8	n
TCB-81	106178900	0.75 y	26:18	1.28	4025.34 ✓	2.98	-	n
13C-TCB-77	91885500	0.77 y	26:51	0.98	3811.20	2.85	95.3	n
TCB-77	99939700	0.76 y	26:52	1.10	3942.76 ✓	3.20	-	n
13C-PeCB-123	79054600	0.65 y	28:13	0.87	3696.41	2.71	92.4	n
PeCB-123	122744600	0.58 y	28:14	1.51	4115.70 ✓	2.05	-	n
13C-PeCB-118	82863300	0.66 y	28:22	0.98	3429.53	2.40	85.7	n
PeCB-118/106	131665700	0.58 y	28:23	1.53	4159.48 ✓	1.90	-	n
13C-PeCB-114	88235000	0.66 y	29:00	0.97	3720.63	2.45	93.0	n
PeCB-114	142859700	0.59 y	29:01	1.59	4084.82 ✓	1.79	-	n
13C-PeCB-105	87232500	0.64 y	29:52	0.90	3961.62	2.64	99.0	n
PeCB-105/127	126975300	0.59 y	29:55	1.42	4093.79 ✓	2.14	-	n
13C-PeCB-126	107736700	0.64 y	31:47	0.91	4816.19	2.60	120.4	n
PeCB-126	125847400	0.59 y	31:48	1.17	3982.57 ✓	2.21	-	n
13C-OcCB-202	116786000	0.88 y	34:05	-	90.76	-	-	n
13C-HxCB-167	115926900	1.24 y	32:54	0.84	4718.07	5.59	118.0	n
HxCB-167	104705700	1.24 y	32:55	1.17	3090.89 ✓	4.40	-	Y
13C-HxCB-156	98603700	1.27 y	34:12	0.67	5039.01	7.02	126.0	n
HxCB-156	139881200	1.21 y	34:13	1.45	3907.34 ✓	4.19	-	n
13C-HxCB-157	104235500	1.25 y	34:31	0.71	5050.89	6.65	126.3	n
HxCB-157	147048900	1.23 y	34:33	1.45	3901.26 ✓	3.99	-	n
13C-HxCB-169	120357900	1.25 y	36:21	0.73	5620.10	6.41	140.5	n
HxCB-169	112228700	1.23 y	36:22	0.99	3770.63 ✓	5.16	-	n
13C-HpCB-180	87866600	1.04 y	35:10	0.58	5147.77	4.42	128.7	n
HpCB-180	109500300	1.06 y	35:11	1.27	3939.93 ✓	4.39	-	n
13C-HpCB-170	74129600	1.00 y	36:48	0.47	5351.85	5.45	133.8	n
HpCB-170/190	115446500	1.05 y	36:49	1.61	3877.81 ✓	4.18	-	n
13C-HpCB-189	103930900	1.01 y	38:26	0.60	5947.44	4.32	148.7	n
HpCB-189	118303500	1.06 y	38:27	1.21	3774.22 ✓	3.79	-	n
13C-PeCB-111		* * n	NotFnd	1.36	*	2.37	*	n

Run text: K9J7L-1-ACC      Sample text: K9J7L-1-ACC :G9C310247-1LCS  
 Run #12 Filename: 09AP09B9D5 S: 30 I: 1      Results: 09AP09B9D51668MSL  
 Acquired: 10-APR-09 18:11:09      Processed: 10-APR-09 22:36:53  
 Run: 09AP09B9D5      Analyte: 1668MSL      Cal: 1668MSL0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000Samp

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	98164732	0.66 y	24:44	-	80.29	-	-	n
13C-TCB-81	82541068	0.79 y	26:17	0.95	3550.52	2.95	88.8	n
TCB-81	106178824	0.75 y	26:18	1.28	4025.34	2.98	-	n
13C-TCB-77	91885448	0.77 y	26:51	0.98	3811.20	2.85	95.3	n
TCB-77	99939700	0.76 y	26:52	1.10	3942.76	3.20	-	n
13C-PeCB-123	79054644	0.65 y	28:13	0.87	3696.41	2.71	92.4	n
PeCB-123	122744668	0.58 y	28:14	1.51	4115.70	2.05	-	n
13C-PeCB-118	82863318	0.66 y	28:22	0.98	3429.54	2.40	85.7	n
PeCB-118/106	131665604	0.58 y	28:23	1.53	4159.48	1.90	-	n
13C-PeCB-114	88235080	0.66 y	29:00	0.97	3720.63	2.45	93.0	n
PeCB-114	142859788	0.59 y	29:01	1.59	4084.82	1.79	-	n
13C-PeCB-105	87232492	0.64 y	29:52	0.90	3961.62	2.64	99.0	n
PeCB-105/127	126975300	0.59 y	29:55	1.42	4093.79	2.14	-	n
13C-PeCB-126	107736712	0.64 y	31:47	0.91	4816.20	2.60	120.4	n
PeCB-126	125847440	0.59 y	31:48	1.17	3982.57	2.21	-	n
13C-OcCB-202	116786004	0.88 y	34:05	-	90.76	-	-	n
13C-HxCB-167	115926904	1.24 y	32:54	0.84	4718.07	5.59	118.0	n
HxCB-167	235676624	1.22 y	32:55	1.17	6957.12	4.40	-	n
13C-HxCB-156	98603640	1.27 y	34:12	0.67	5039.00	7.02	126.0	n
HxCB-156	139881188	1.21 y	34:13	1.45	3907.34	4.19	-	n
13C-HxCB-157	104235504	1.25 y	34:31	0.71	5050.89	6.65	126.3	n
HxCB-157	147048904	1.23 y	34:33	1.45	3901.26	3.99	-	n
13C-HxCB-169	120357940	1.25 y	36:21	0.73	5620.10	6.41	140.5	n
HxCB-169	112228628	1.23 y	36:22	0.99	3770.62	5.16	-	n
13C-HpCB-180	87866548	1.04 y	35:10	0.58	5147.77	4.42	128.7	n
HpCB-180	109500328	1.06 y	35:11	1.27	3939.93	4.39	-	n
13C-HpCB-170	74129684	1.00 y	36:48	0.47	5351.85	5.45	133.8	n
HpCB-170/190	115446444	1.05 y	36:49	1.61	3877.80	4.18	-	n
13C-HpCB-189	103930916	1.01 y	38:26	0.60	5947.44	4.32	148.7	n
HpCB-189	118303516	1.06 y	38:27	1.21	3774.22	3.79	-	n
13C-PeCB-111		* * n	NotFnd	1.36	*	2.37	*	n

File:09AP09B9D5 #1-597 Acq:10-APR-2009 18:11:09 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#30 Text:K97L-1-ACC :G9C310247-1LCS Exp:209DB5  
 289.9224 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3044,0,0,00%,F,T)  
 100% A4.96E7

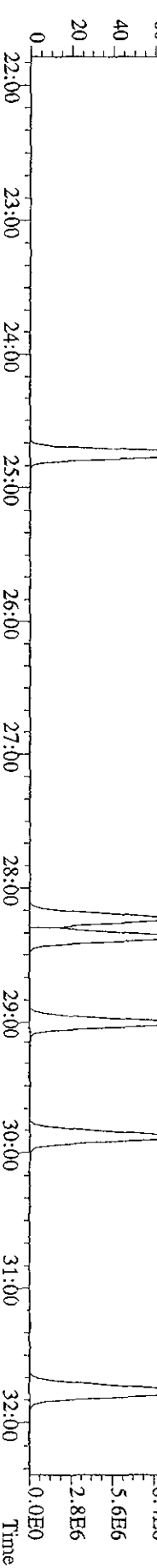
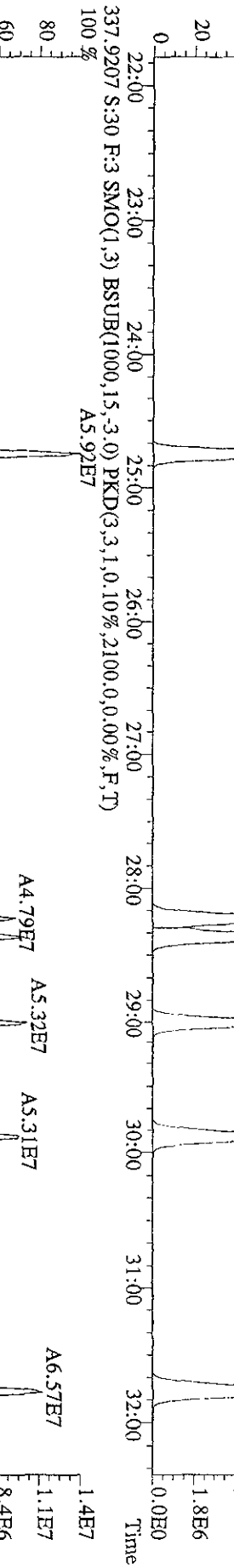
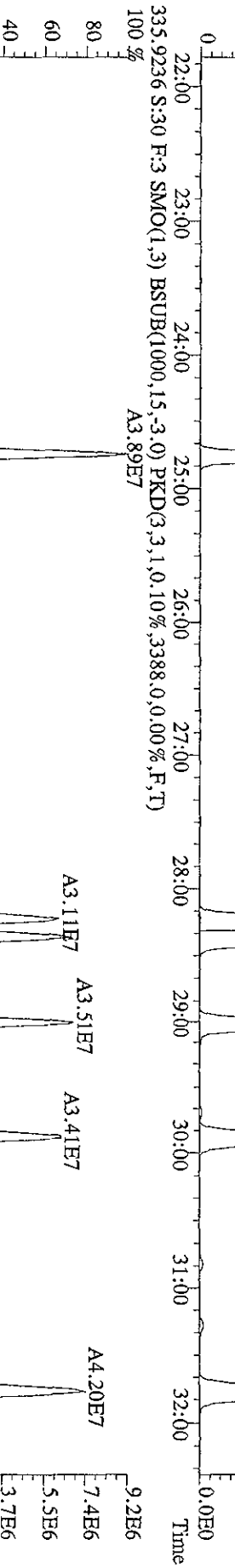
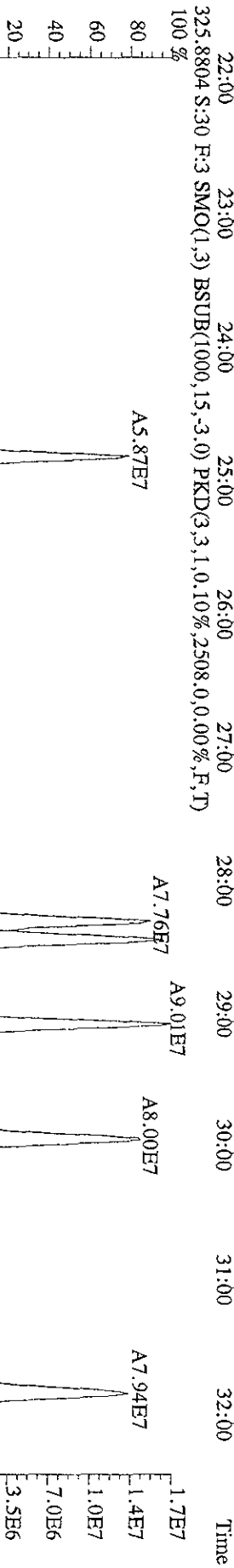
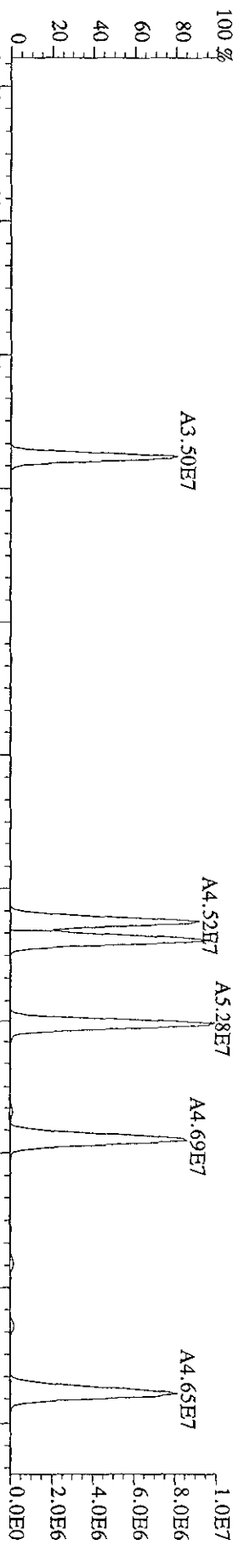




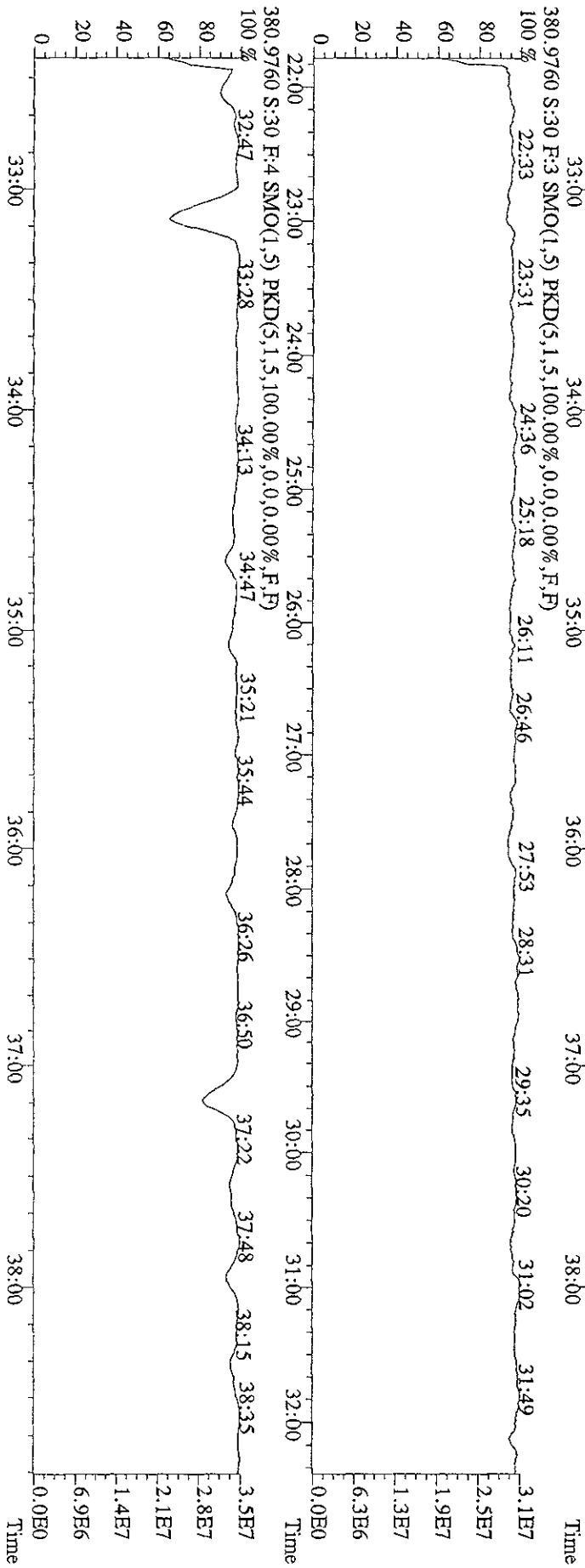
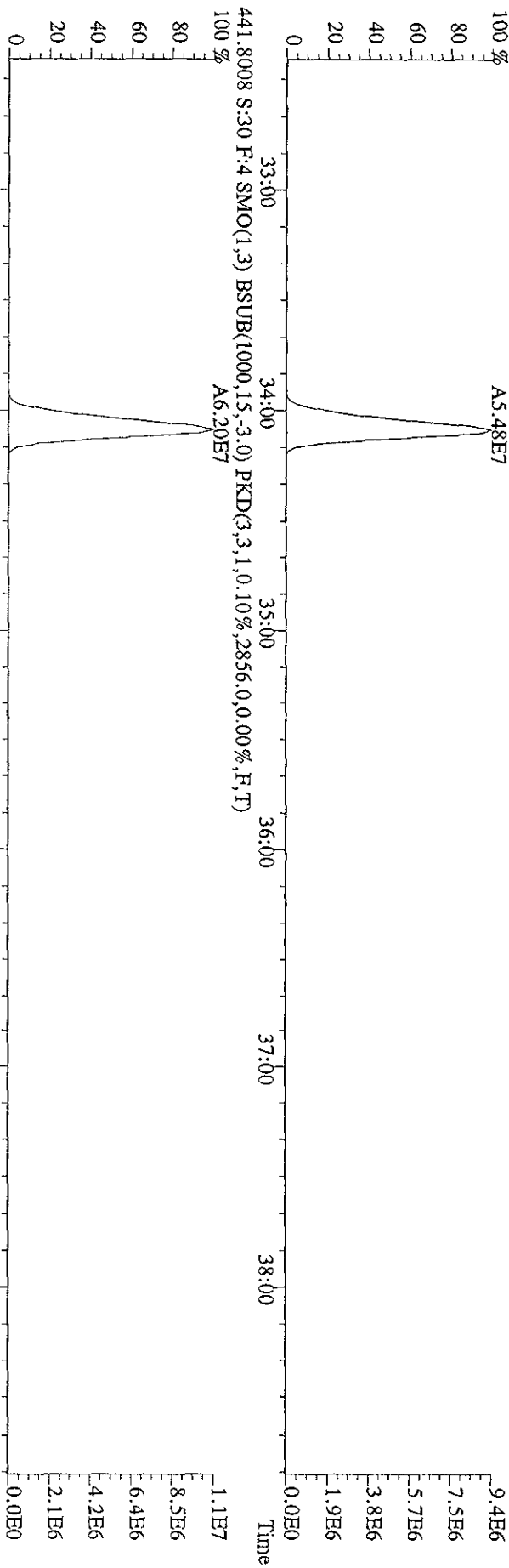
File:09AP09B9D5 #1-597 Acq:10-APR-2009 18:11:09 GC EI+ Voltage SIR Autospec-UltimaB

Sample#30 Text:K917L-1-ACC :G9C310247-1LCS Exp:209DB5

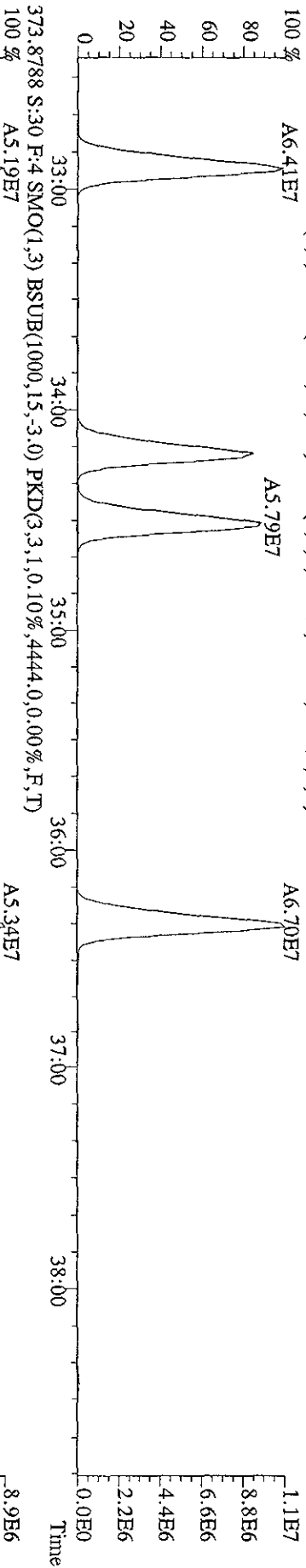
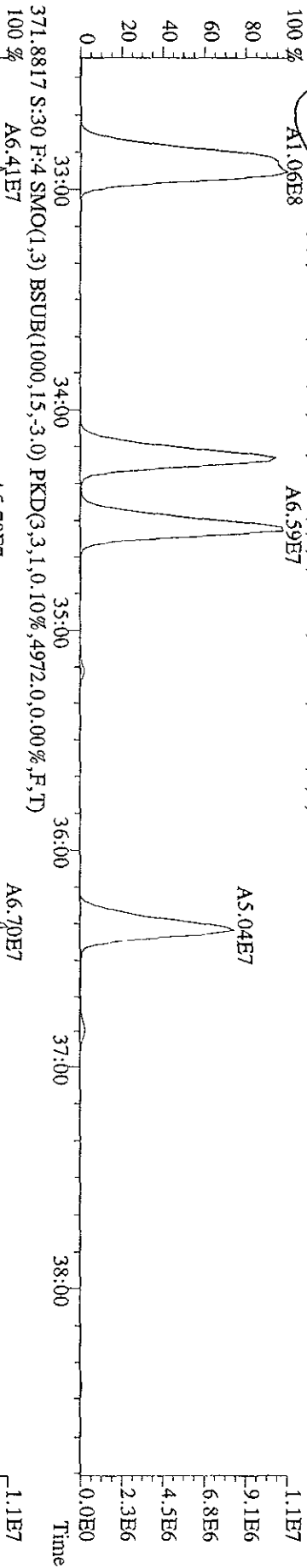
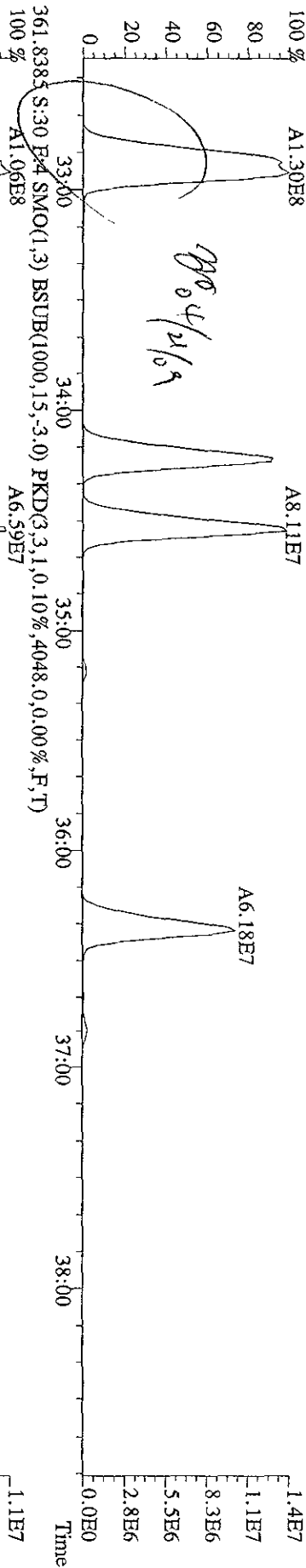
323.8834 S:30 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2364,0,0,00%,F,T)



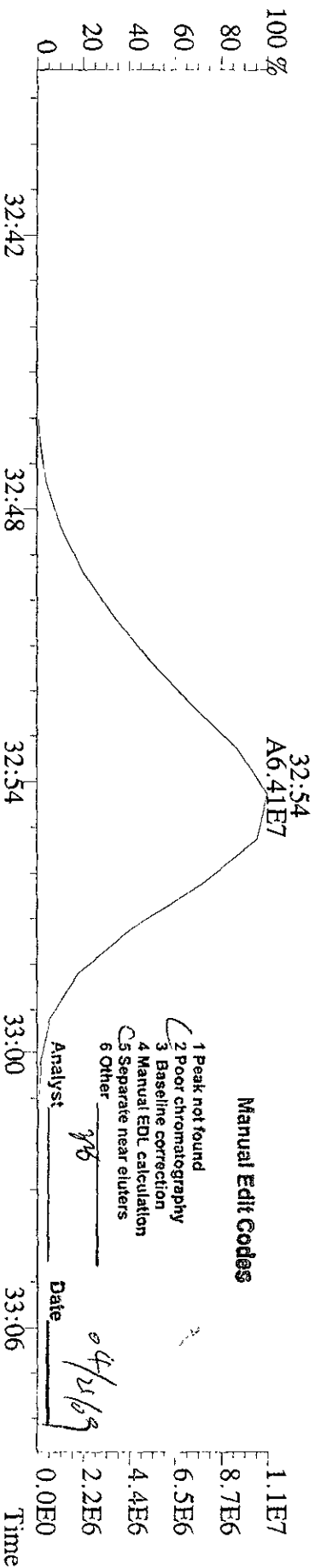
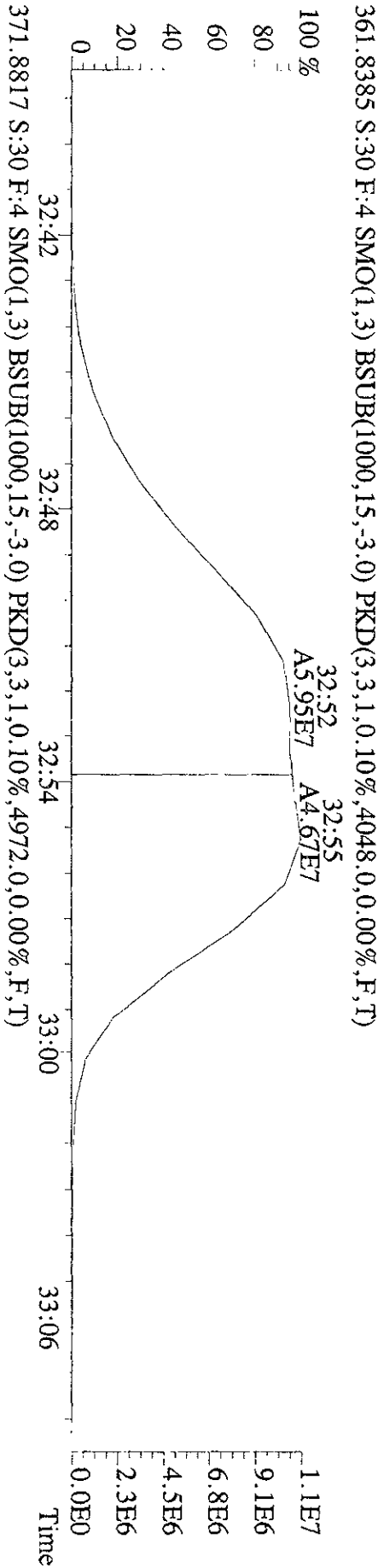
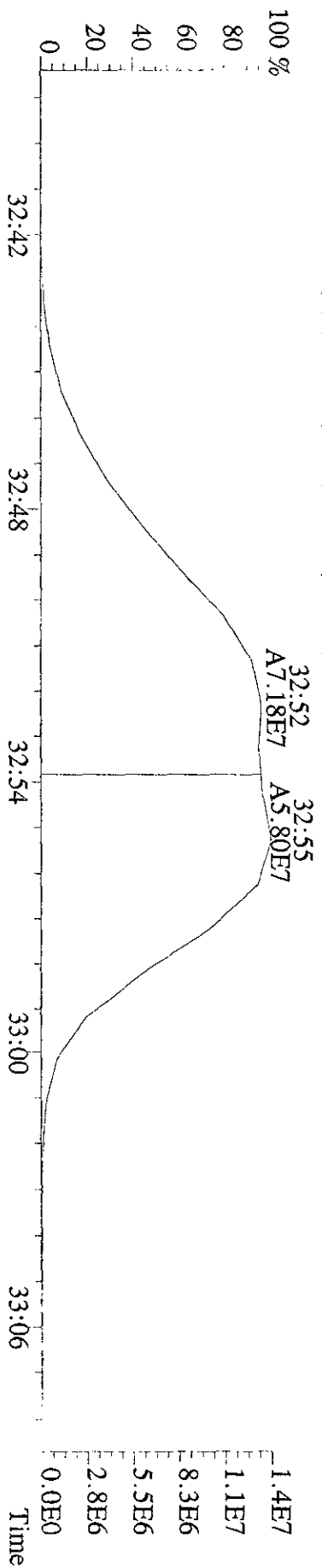
File:09AP09B9D5 #1-393 Acq:10-APR-2009 18:11:09 GC EI+ Voltage SIR Autospec-UtimaE  
 Samp:#30 Text:K9J7L-1-ACC :G9C310247-1LCS Exp:209DB5  
 439.8038 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4024,0,0.00%,F,T)  
 100% A5.48E7



File:09ADP09B9D5 #1-393 Acq:10-APR-2009 18:11:09 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#30 Text:K9J7L-1-ACC:G9C310247-1LCS Exp:209DB5  
 359.8415 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,6100,0,0.00%,F,T)  
 100% A1.30E8 A8.11E7



File:09AP09B9D5 #1-393 Acq:10-APR-2009 18:11:09 GC EI + Voltage SIR Autospec-UltimAE  
 Sample#30 Text:K9J7L-1-ACC :G9C310247-1L Exp:209DB5  
 359.8415 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6100.0,0.00%,F,T)

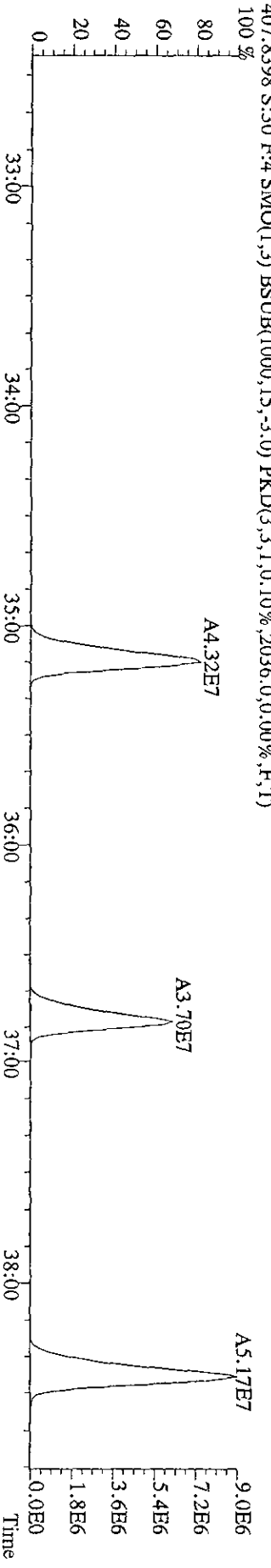
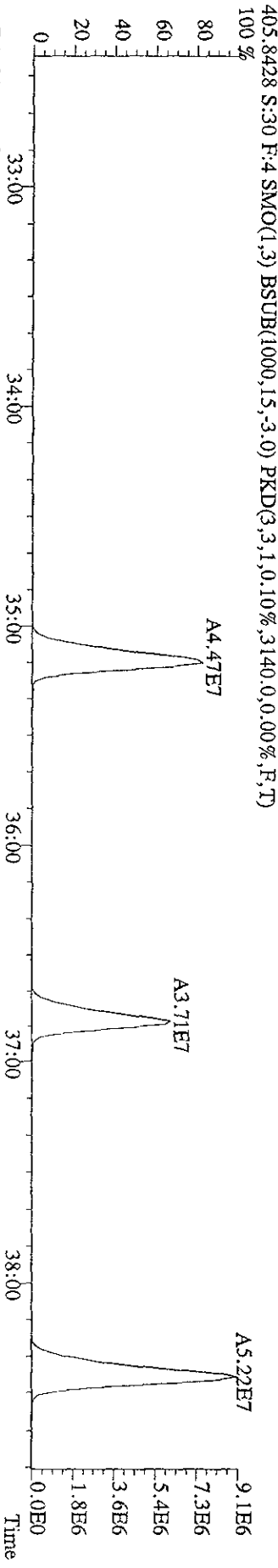
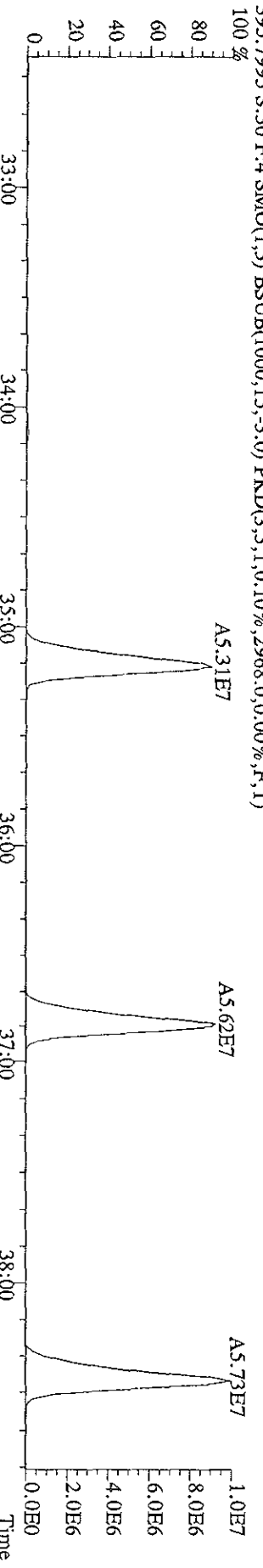
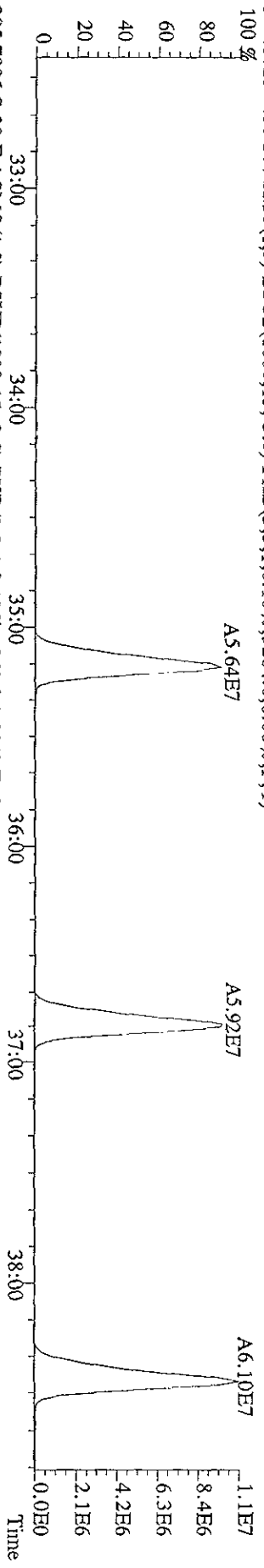


**Manual Edit Codes**

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst MB Date 04/26/09

File:09AP09B9D5 #1-393 Acq:10-APR-2009 18:11:09 GC:EI+ Voltage:50V SIR Autospec-UltimaE  
 Sample#30 Text:K9J7L-1-ACC :G9C310247-1LCS Exp:209DB5  
 393,8025 S:30 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5284,0,0,00%,F,T)



RL 100pg/sample

Quantitation Summary

TestAmerica West Sacramento

Run text: K9DN1-1-AA Sample text: K9DN1-1-AA :G9C310247-1 (5X)  
Run #7 Filename: 13AP09B9D5 S: 4 I: 1 Results: 13AP09B9D51668MSLSY  
Acquired: 13-APR-09 15:56:27 Processed: 13-APR-09 19:12:43  
Run: 13AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5  
Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 Samp

300.4/102/09

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	17696910	0.62 y	24:47	-	14.48	-	-	n
13C-TCB-81	15689030	0.78 y	26:20	0.95	3743.49	16.45	93.6	n
TCB-81	107996	0.30 n	26:19	1.28	<del>21.54</del>	25.02	-	n
13C-TCB-77	16587200	0.72 y	26:53	0.98	3816.33	15.86	95.4	n
TCB-77	565805	0.73 y	26:54	1.10	<del>123.65</del>	29.94	-	n
13C-PeCB-123	17227300	0.63 y	28:15	0.87	4468.16	20.02	111.7	n
PeCB-123	347546	0.50 n	28:17	1.51	<del>53.48</del>	24.65	-	y
13C-PeCB-118	19098100	0.65 y	28:24	0.98	4384.51	17.72	109.6	n
PeCB-118/106	8436850	0.57 y	28:25	1.53	1156.43	24.09	-	y
13C-PeCB-114	19521680	0.67 y	29:02	0.97	4566.16	18.05	114.2	n
PeCB-114	206980	0.56 y	29:04	1.59	<del>26.75</del>	22.52	-	y
13C-PeCB-105	18566150	0.64 y	29:54	0.90	4677.08	19.44	116.9	n
PeCB-105/127	2852660	0.55 y	29:55	1.42	<del>432.13</del>	27.90	-	n
13C-PeCB-126	17761350	0.63 y	31:48	0.91	4404.28	19.14	110.1	n
PeCB-126	*	* n	NotFnd	1.17	*	43.32	-	n
13C-OcCB-202	22611600	0.83 y	34:06	-	17.57	-	-	n
13C-HxCB-167	18258890	1.23 y	32:55	0.84	3838.08	57.81	96.0	n
HxCB-167	730717	1.02 n	32:51	1.17	<del>136.95</del>	11.57	-	n
13C-HxCB-156	13640140	1.21 y	34:13	0.67	3600.23	72.59	90.0	n
HxCB-156	213446	1.89 n	34:15	1.45	<del>43.10</del>	12.37	-	n
13C-HxCB-157	15816350	1.27 y	34:31	0.71	3958.38	68.83	99.0	n
HxCB-157	*	* n	NotFnd	1.45	*	11.67	-	n
13C-HxCB-169	14801270	1.23 y	36:22	0.73	3569.67	66.33	89.2	n
HxCB-169	*	* n	NotFnd	0.99	*	19.68	-	n
13C-HpCB-180	16008240	1.05 y	35:11	0.58	4843.94	9.00	121.1	n
HpCB-180	2904470	1.06 y	35:12	1.27	<del>573.61</del>	9.31	-	n
13C-HpCB-170	12829170	1.05 y	36:50	0.47	4783.77	11.09	119.6	n
HpCB-170/190	747646	1.13 y	36:51	1.61	<del>145.11</del>	9.32	-	n
13C-HpCB-189	15631290	1.02 y	38:27	0.60	4619.98	8.79	115.5	n
HpCB-189	*	* n	NotFnd	1.21	*	10.80	-	n
13C-PeCB-111	22373700	0.63 y	26:13	1.36	3563.22	16.72	89.1	n

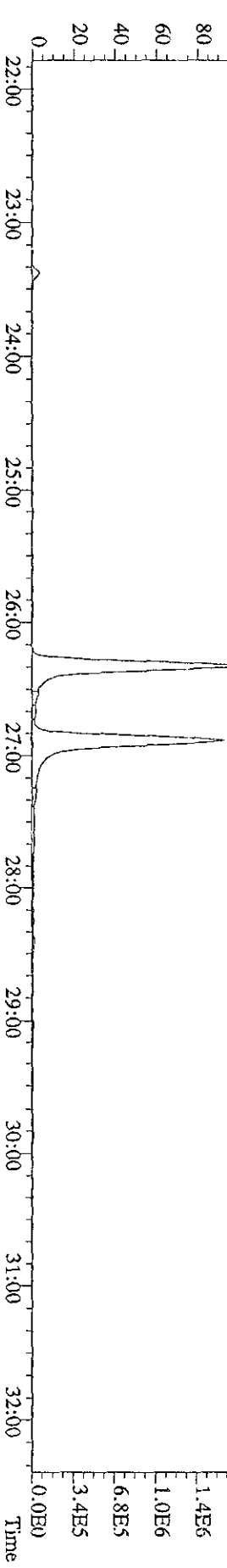
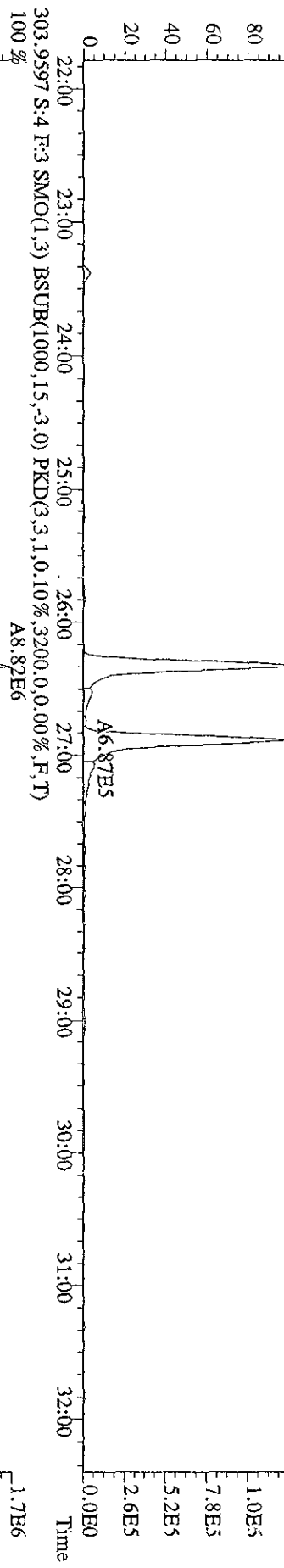
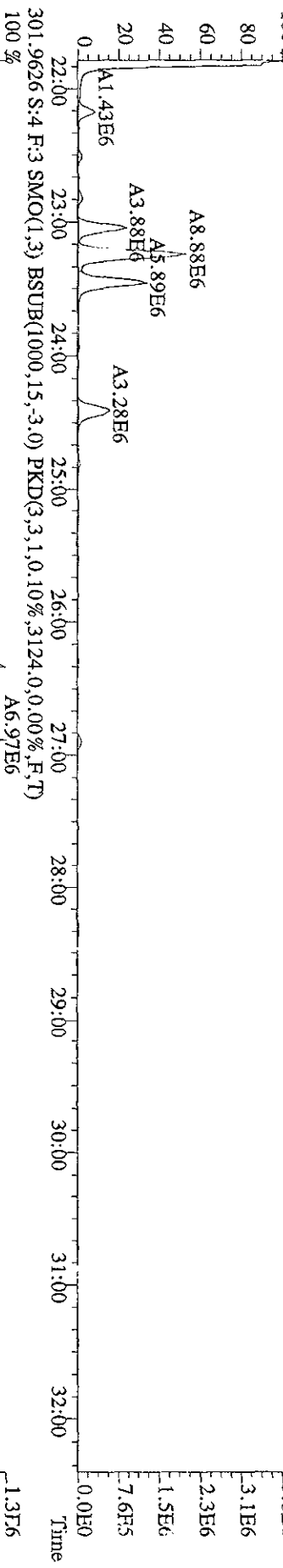
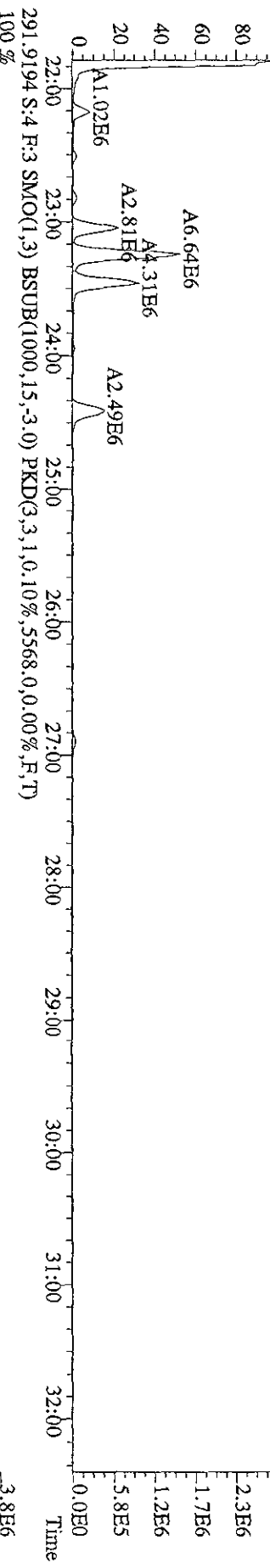
RL (0.00) 5000 ng/sample

Run text: K9DN1-1-AA Sample text: K9DN1-1-AA :G9C310247-1 (5X)  
 Run #7 Filename: 13AP09B9D5 S: 4 I: 1 Results: 13AP09B9D51668MSL  
 Acquired: 13-APR-09 15:56:27 Processed: 13-APR-09 19:12:43  
 Run: 13AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Samp

04/21/09

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	17696910	0.62 y	24:47	-	14.48	-	-	n
13C-TCB-81	15689030	0.78 y	26:20	0.95	3743.49	16.45	93.6	n
TCB-81	107996	0.30 n	26:19	1.28	21.54	25.02	-	n
13C-TCB-77	16587200	0.72 y	26:53	0.98	3816.33	15.86	95.4	n
TCB-77	565805	0.73 y	26:54	1.10	123.65	29.94	-	n
13C-PeCB-123	17227300	0.63 y	28:15	0.87	4468.16	20.02	111.7	n
PeCB-123	*	* n	NotFnd	1.51	*	24.65	-	n
13C-PeCB-118	19098090	0.65 y	28:24	0.98	4384.51	17.72	109.6	n
PeCB-118/106	8811240	0.57 y	28:25	1.53	1207.75	24.09	-	n
13C-PeCB-114	19521680	0.67 y	29:02	0.97	4566.16	18.05	114.2	n
PeCB-114	206979	0.56 y	29:04	1.59	26.75	22.52	-	n
13C-PeCB-105	18566140	0.64 y	29:54	0.90	4677.08	19.44	116.9	n
PeCB-105/127	2852660	0.55 y	29:55	1.42	432.13	27.90	-	n
13C-PeCB-126	17761350	0.63 y	31:48	0.91	4404.28	19.14	110.1	n
PeCB-126	*	* n	NotFnd	1.17	*	43.32	-	n
13C-OcCB-202	22611600	0.83 y	34:06	-	17.57	-	-	n
13C-HxCB-167	18258890	1.23 y	32:55	0.84	3838.08	57.81	96.0	n
HxCB-167	730717	1.02 n	32:51	1.17	136.95	11.57	-	n
13C-HxCB-156	13640140	1.21 y	34:13	0.67	3600.23	72.59	90.0	n
HxCB-156	213446	1.89 n	34:15	1.45	43.10	12.37	-	n
13C-HxCB-157	15816350	1.27 y	34:31	0.71	3958.38	68.83	99.0	n
HxCB-157	*	* n	NotFnd	1.45	*	11.67	-	n
13C-HxCB-169	14801270	1.23 y	36:22	0.73	3569.67	66.33	89.2	n
HxCB-169	*	* n	NotFnd	0.99	*	19.68	-	n
13C-HpCB-180	16008240	1.05 y	35:11	0.58	4843.94	9.00	121.1	n
HpCB-180	2904470	1.06 y	35:12	1.27	573.61	9.31	-	n
13C-HpCB-170	12829170	1.05 y	36:50	0.47	4783.77	11.09	119.6	n
HpCB-170/190	747646	1.13 y	36:51	1.61	145.11	9.32	-	n
13C-HpCB-189	15631290	1.02 y	38:27	0.60	4619.98	8.79	115.5	n
HpCB-189	*	* n	NotFnd	1.21	*	10.80	-	n
13C-PeCB-111	22373700	0.63 y	26:13	1.36	3563.22	16.72	89.1	n

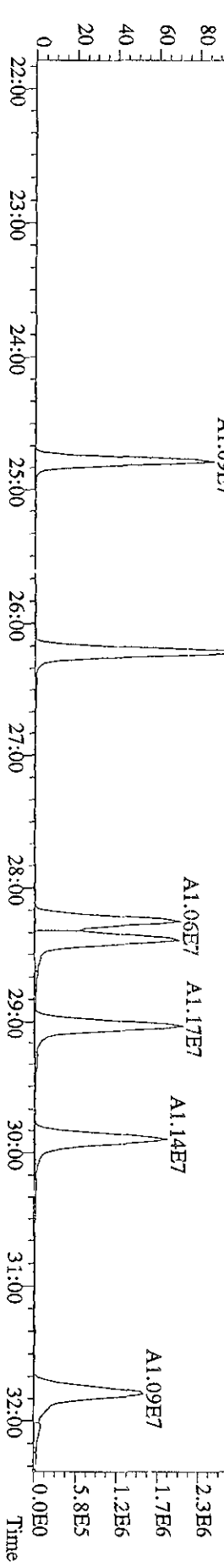
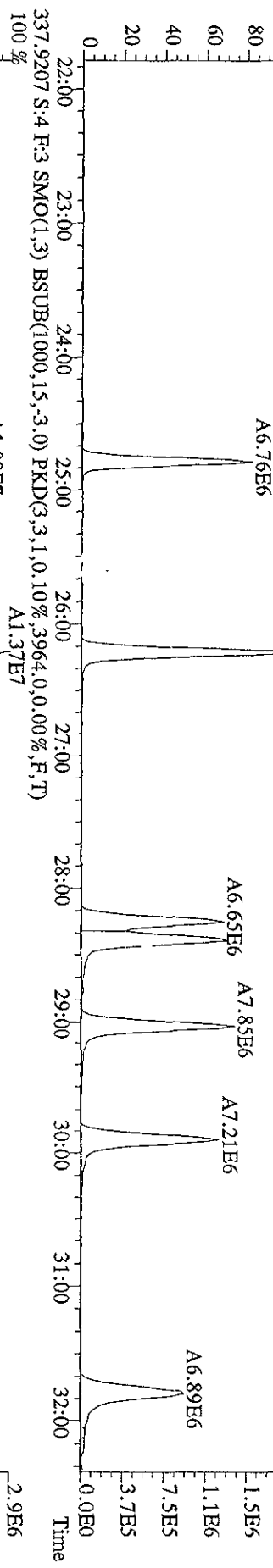
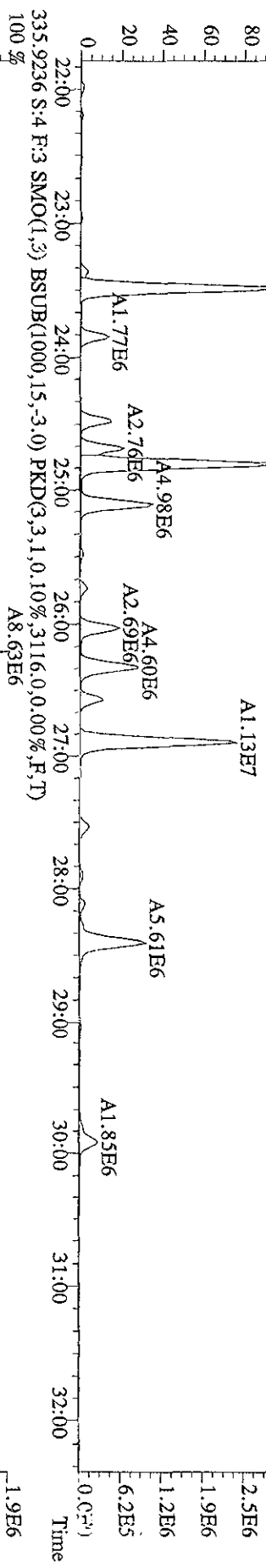
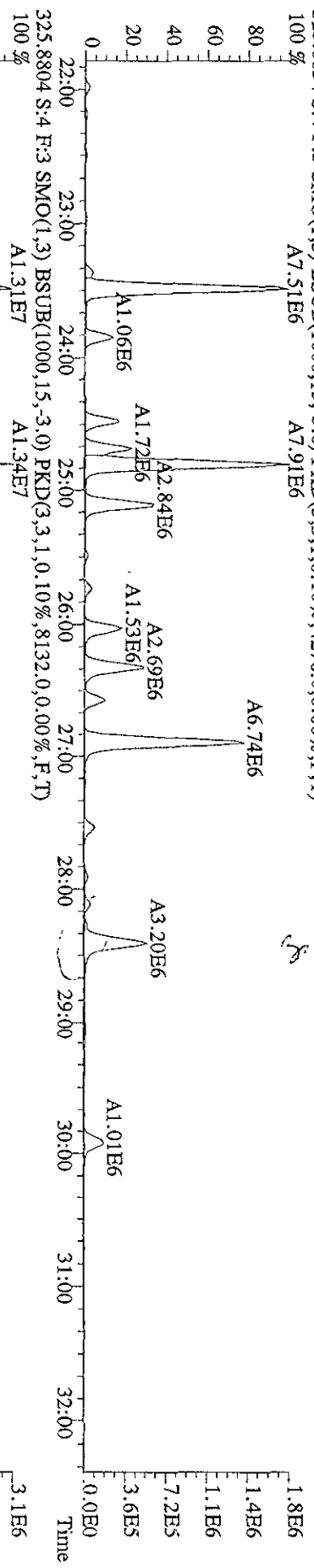
File:13AP09B9D5 #1-597 Acq:13-APR-2009 15:56:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:K9DNI-1-AA :G9C310247-1 (5X) Exp:209DB5  
 289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4028,0,0,00%,F,T)



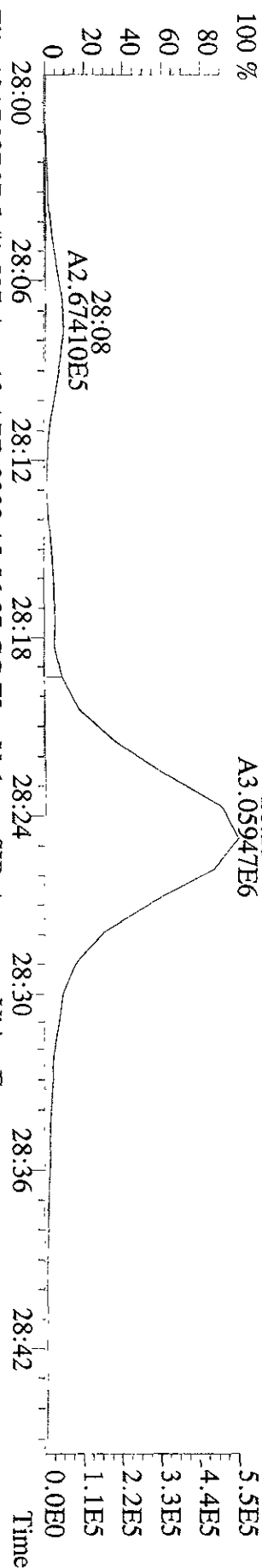


File: 13AP09B9D5 #1-597 Acq: 13-APR-2009 15:56:27 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: K9DNI-1-AA : G9C310247-1 (5X) Exp: 209DB5  
 323.8834 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4276.0,0.00%,F,T)  
 100% A7.51E6 A7.91E6 A6.74E6

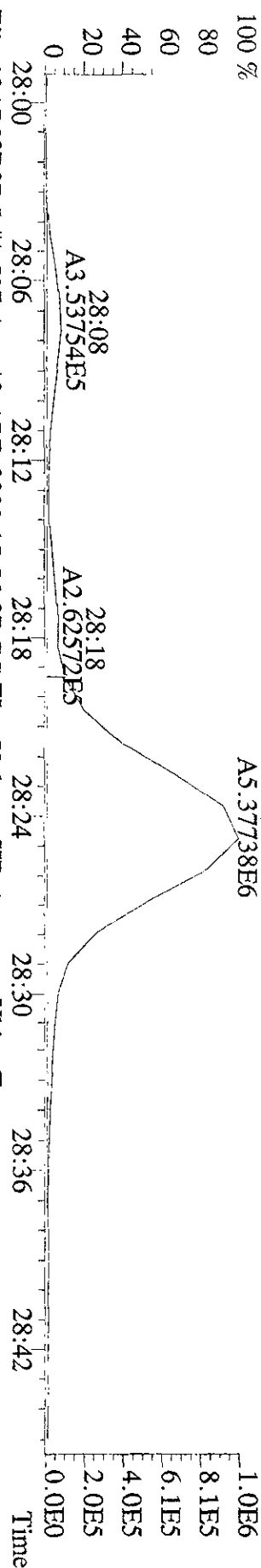
*Handwritten:* 4/28/09



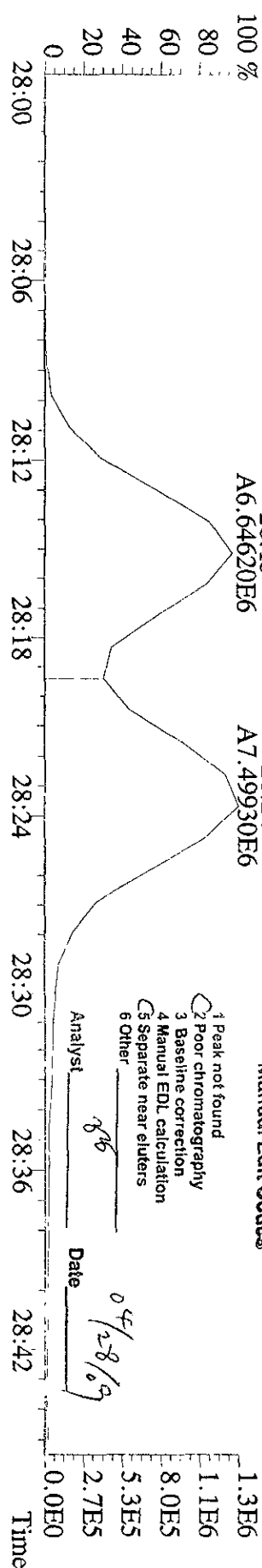
File: 13AP09B9D5 #1-597 Acq: 13-APR-2009 15:56:27 GC EI + Voltage SIR Autospec-UltimaE  
 323.8834 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4276.0,0.00%,F,T) Exp:209DB5 Nois >  
 Sample Text:K9DNI-1-AA :G9C310247-1 (5X)



File: 13AP09B9D5 #1-597 Acq: 13-APR-2009 15:56:27 GC EI + Voltage SIR Autospec-UltimaE  
 325.8804 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8132.0,0.00%,F,T) Exp:209DB5 Nois >  
 Sample Text:K9DNI-1-AA :G9C310247-1 (5X)

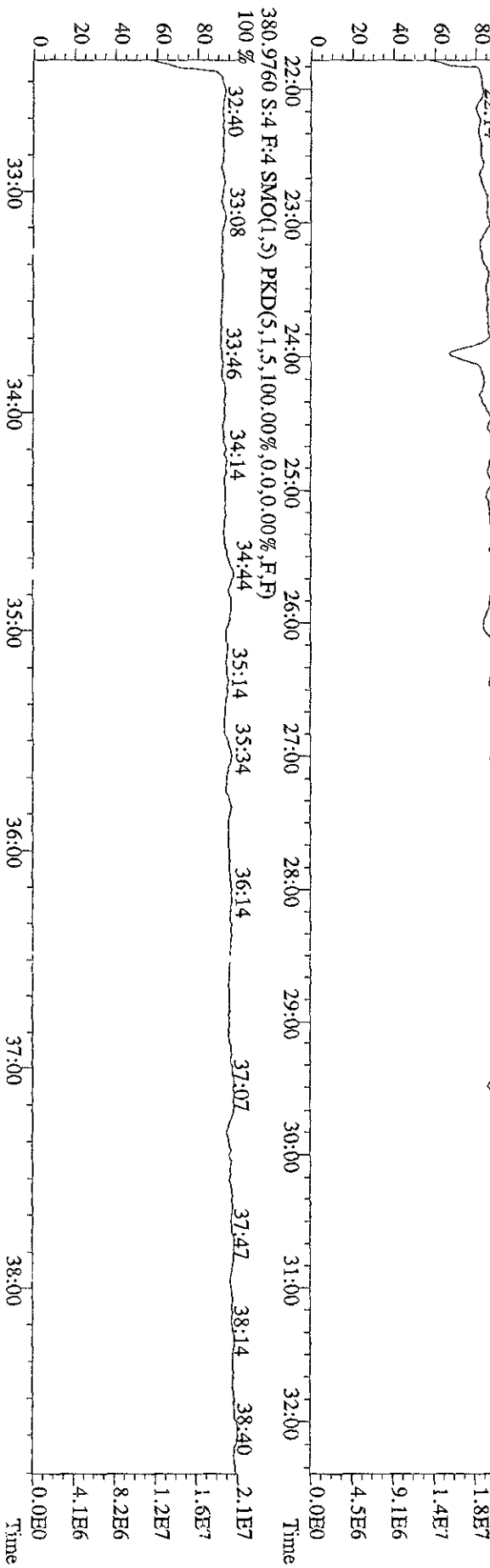
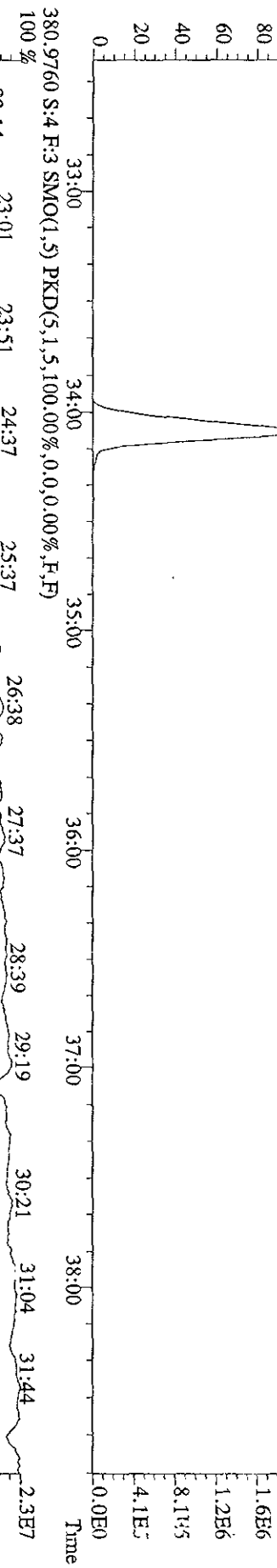
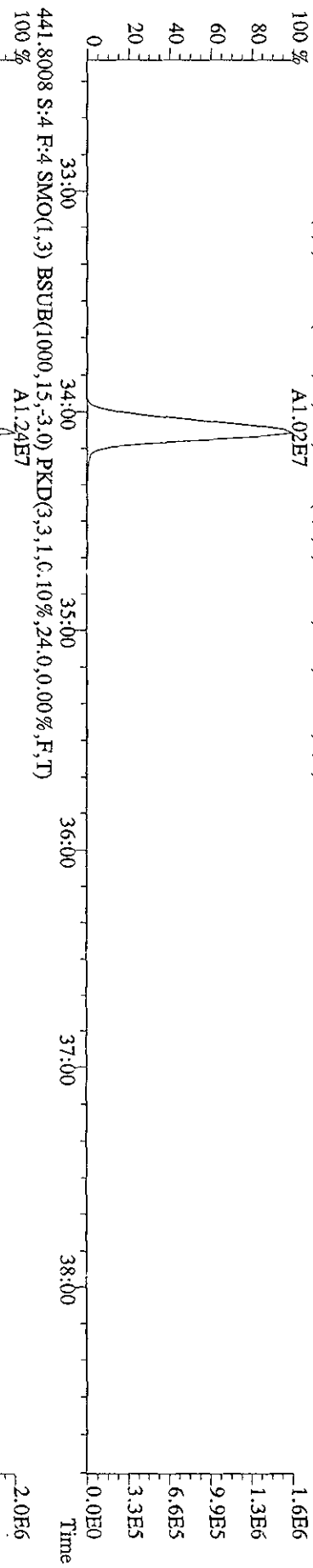


File: 13AP09B9D5 #1-597 Acq: 13-APR-2009 15:56:27 GC EI + Voltage SIR Autospec-UltimaE  
 335.9236 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3116.0,0.00%,F,T) Exp:209DB5 Nois >  
 Sample Text:K9DNI-1-AA :G9C310247-1 (5X)

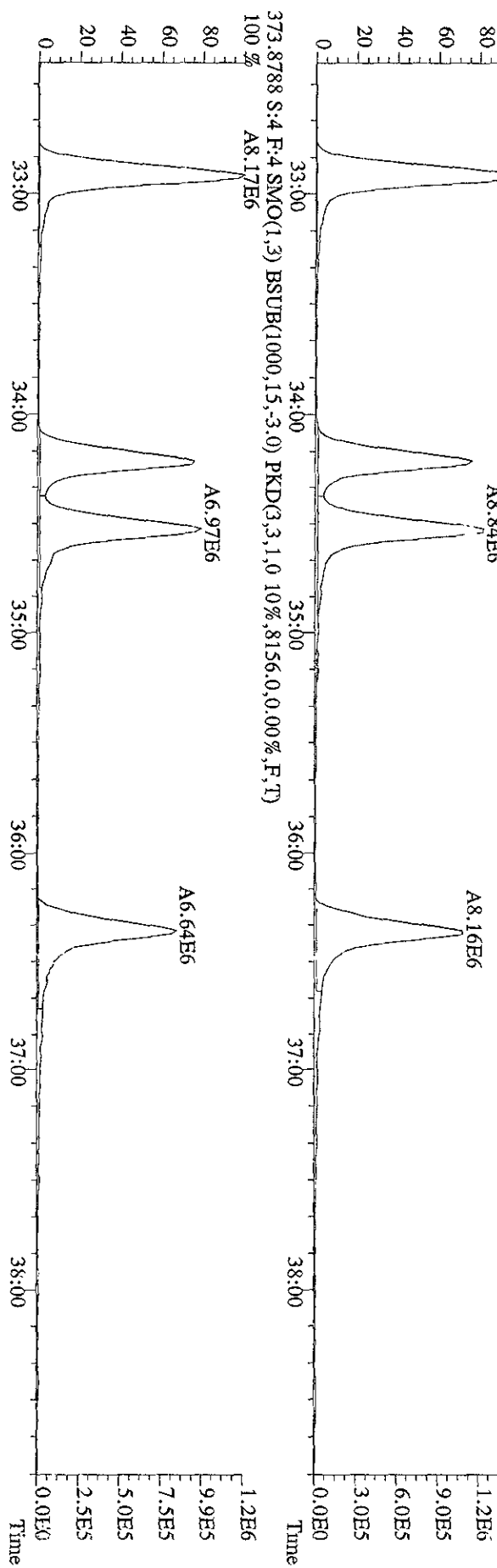
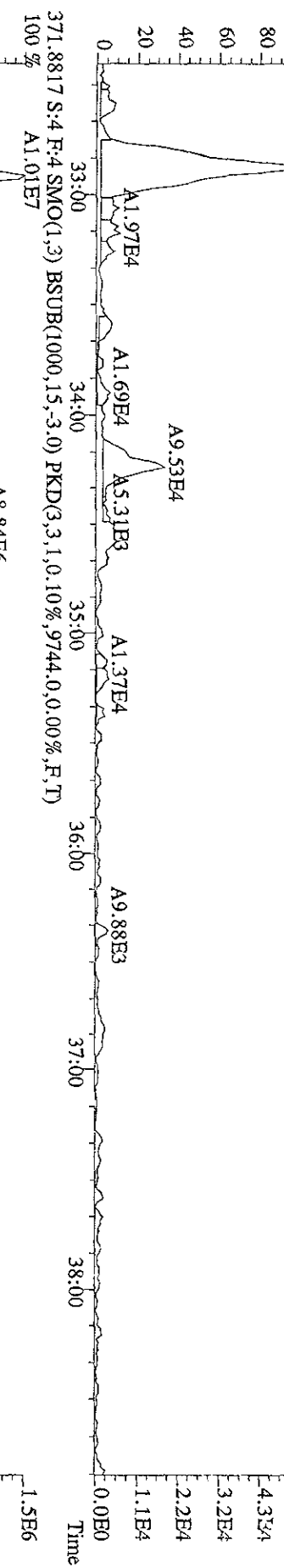
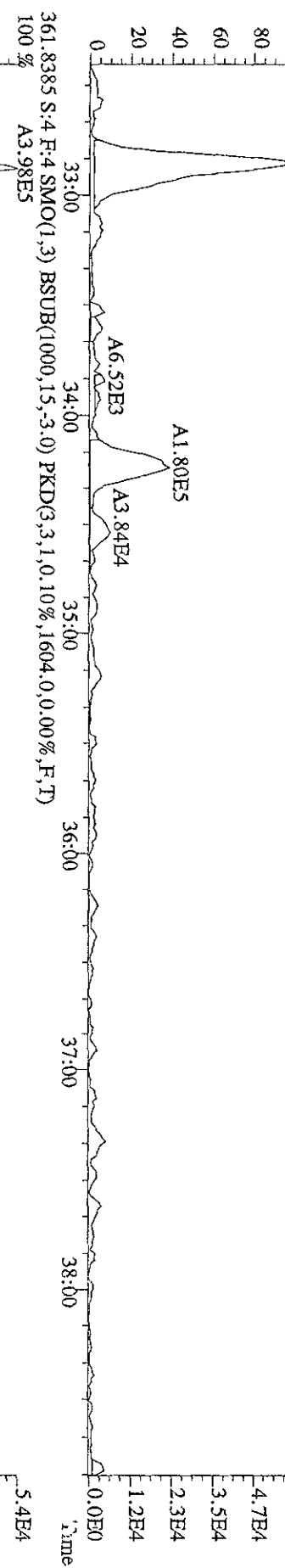


Manual Edit Codes  
 1 Peak not found  
 2 Poor chromatography  
 3 Baseline correction  
 4 Manual EDL calculation  
 5 Separate near eluters  
 6 Other  
 Analyst: ngb  
 Date: 04/28/09

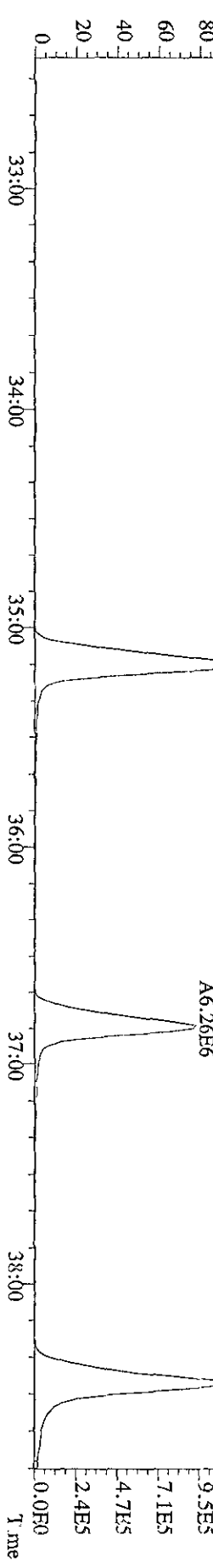
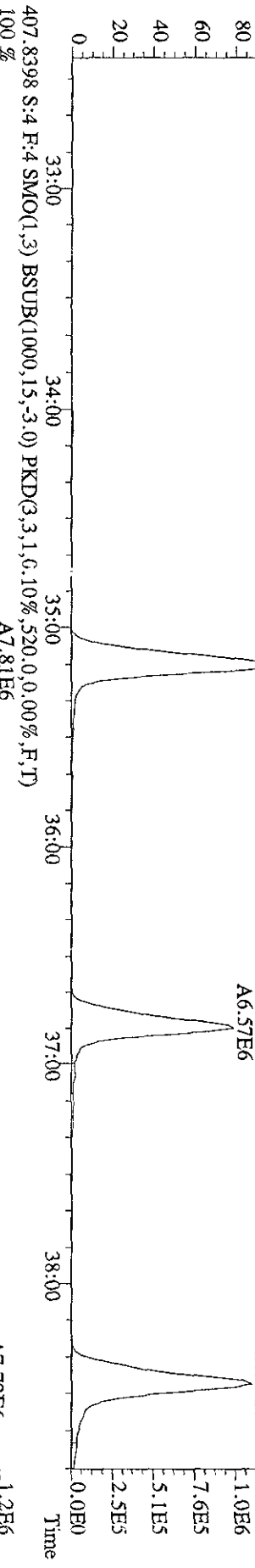
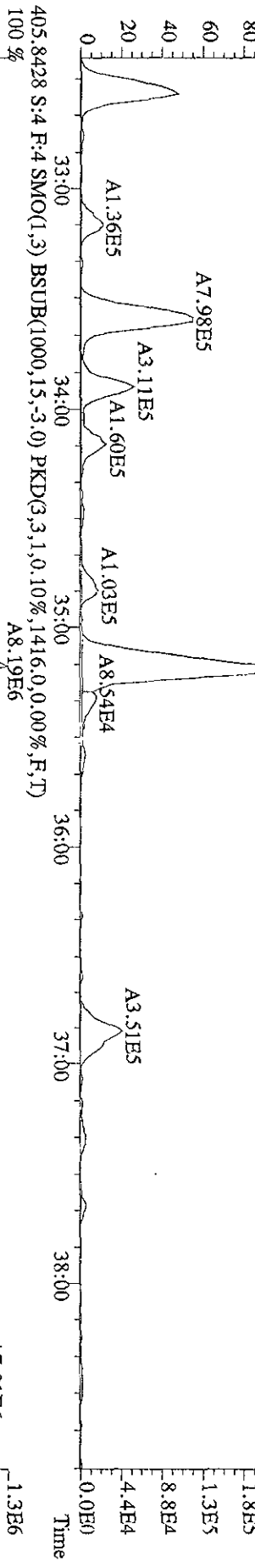
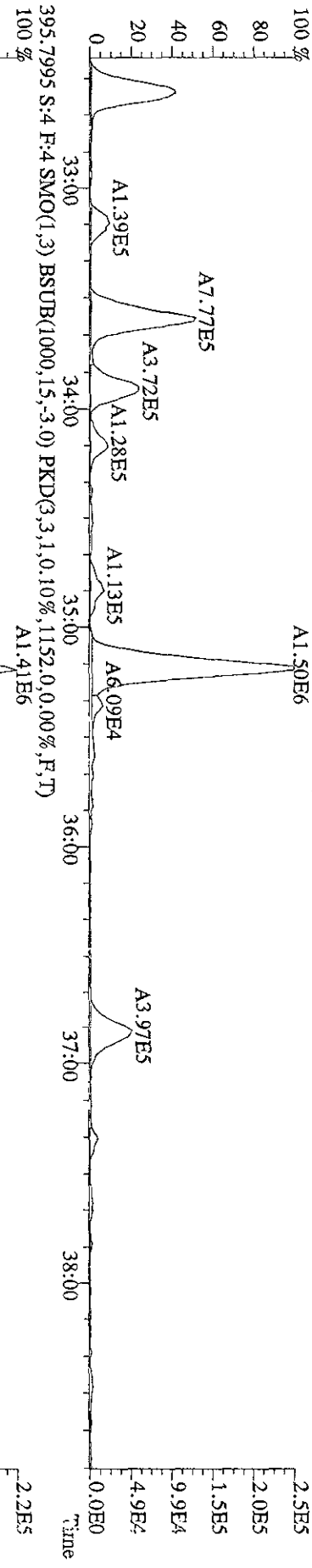
File:13AP09B9D5 #1-393 Acq:13-APR-2009 15:56:27 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:K9DN1-1-AA :G9C310247-1 (SX) Exp:209DB5  
 439,8038 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,20,0,0.00%,F,T)  
 100 % A1.02E7



File: 13AP09B9D5 #1-393 Acq: 13-APR-2009 15:56:27 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text: K9DN1-1-AA : G9C310247-1 (5X) Exp: 209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2104.0,0.00%,F,T)  
 100% A4.05E5



File:13AP09B9D5 #1-393 Acq:13-APR-2009 15:56:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:K9DNI-1-AA :G9C310247-1 (5X) Exp:209DB5  
 393.8025 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1732.0,0.00%,F,T) 100% A1.50E6



RL (000198 / sample)

Quantitation Summary

TestAmerica West Sacramento

Run text: K9DN8-1-AA Sample text: K9DN8-1-AA :G9C310247-2 (5X)  
Run #8 Filename: 13AP09B9D5 S: 5 I: 1 Results: 13AP09B9D51668MSLSY  
Acquired: 13-APR-09 16:47:50 Processed: 13-APR-09 19:12:43  
Run: 13AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5  
Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 Samp

300 + 128 / 9

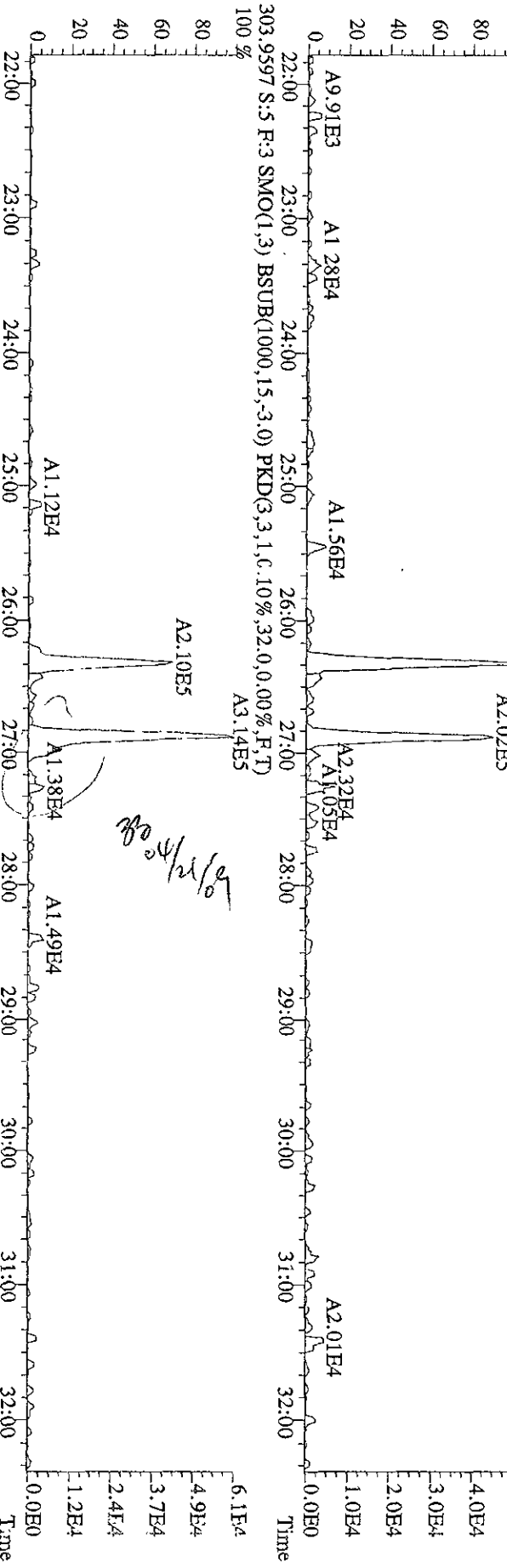
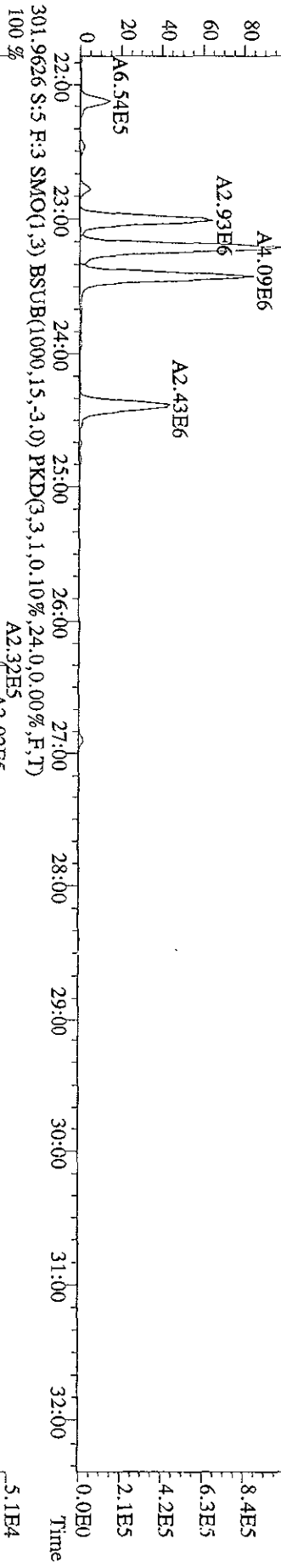
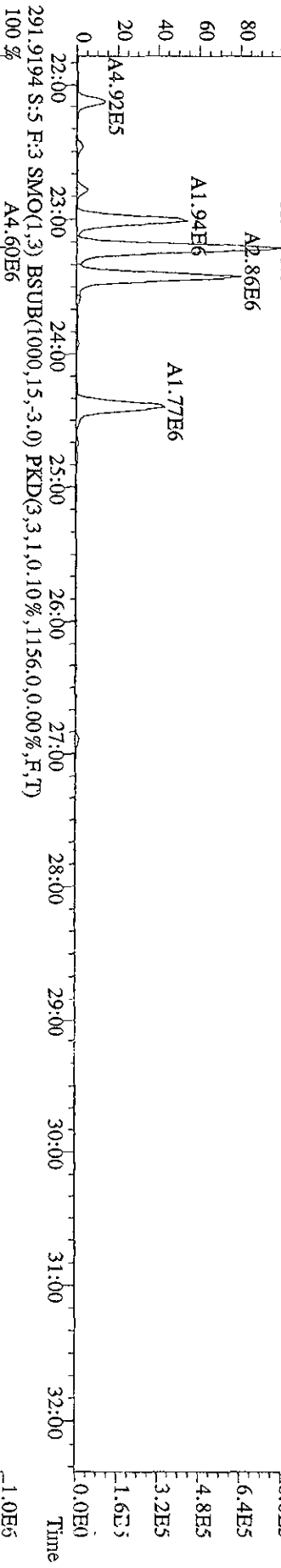
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	510067	0.72 (n)	24:46	-	0.42	-	-	n
13C-TCB-81	371411	1.11 (n)	26:20	0.95	3074.72	5.09	76.9	n
TCB-81	28202	1.71 n	26:20	1.28	<del>237.61</del>	202.66	-	n
13C-TCB-77	486608	0.71 y	26:53	0.98	3884.39	4.91	97.1	y
TCB-77	152887	0.61 (n)	26:54	1.10	1138.94 G.	171.13	-	n
13C-PeCB-123	380380	0.48 (n)	28:15	0.87	3422.93	4.35	85.6	n
PeCB-123	123295	0.60 y	28:20	1.51	<del>859.20</del>	129.34	-	y
13C-PeCB-118	629332	0.63 y	28:24	0.98	5012.81	3.85	125.3	n
PeCB-118/106	1765558	0.57 y	28:25	1.53	7343.97 C	83.39	-	y
13C-PeCB-114	565211	0.73 (n)	29:02	0.97	4586.85	3.92	114.7	y
PeCB-114	81123	0.51 n	29:04	1.59	<del>362.11</del>	84.67	-	n
13C-PeCB-105	466497	0.60 y	29:54	0.90	4077.29	4.22	101.9	n
PeCB-105/127	657763	0.63 y	29:55	1.42	3965.57 C	117.72	-	n
13C-PeCB-126	435038	0.73 (n)	31:48	0.91	3742.79	4.16	93.6	n
PeCB-126	5876	0.90 n	31:47	1.17	<del>46.05</del>	151.51	-	n
13C-OcCB-202	581241	0.82 y	34:06	-	0.45	-	-	n
13C-HxCB-167	501892	1.11 y	32:55	0.84	4104.17	80.98	102.6	n
HxCB-167	24860	1.42 y	32:57	1.17	<del>169.50</del>	11.48	-	n
13C-HxCB-156	388991	1.20 y	34:13	0.67	3994.16	101.68	99.9	n
HxCB-156	36533	1.41 y	34:13	1.45	<del>258.68</del>	11.74	-	n
13C-HxCB-157	443756	1.42 y	34:32	0.71	4320.47	96.41	108.0	y
HxCB-157	6223	0.35 n	34:33	1.45	<del>38.78</del>	10.23	-	n
13C-HxCB-169	392790	1.37 y	36:21	0.73	3685.23	92.91	92.1	n
HxCB-169	104	0.05 n	36:24	0.99	1.08	18.41	-	n
13C-HpCB-180	417161	1.18 y	35:10	0.58	4910.59	108.42	122.8	n
HpCB-180	244098	1.29 n	35:12	1.27	1849.94	163.91	-	n
13C-HpCB-170	305510	1.31 n	36:50	0.47	4431.72	133.61	110.8	y
HpCB-170/190	73535	0.59 n	36:50	1.61	599.33	167.67	-	n
13C-HpCB-189	418537	1.06 y	38:26	0.60	4812.31	105.91	120.3	n
HpCB-189	*	* n	NotFnd	1.21	*	195.53	-	n
13C-PeCB-111	649398	0.64 y	26:13	1.36	3849.43	3.08	96.2	n

NA

Run text: K9DN8-1-AA Sample text: K9DN8-1-AA :G9C310247-2 (5X)  
 Run #8 Filename: 13AP09B9D5 S: 5 I: 1 Results: 13AP09B9D51668MSL  
 Acquired: 13-APR-09 16:47:50 Processed: 13-APR-09 19:12:43  
 Run: 13AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Samp

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	510067	0.72 (n)	24:46	-	0.42	-	-	n
13C-TCB-81	371411	1.11 (n)	26:20	0.95	3074.72	5.09	76.9	n
TCB-81	28202	1.71 n	26:20	1.28	237.61	202.66	-	n
13C-TCB-77	464459	0.64 (n)	26:53	0.98	3707.59	4.91	92.7	n
TCB-77	152887	0.61 n	26:54	1.10	1193.25	188.93	-	n
13C-PeCB-123	380380	0.48 (n)	28:15	0.87	3422.93	4.35	85.6	n
PeCB-123	*	* n	NotFnd	1.51	*	129.34	-	n
13C-PeCB-118	629332	0.63 y	28:24	0.98	5012.81	3.85	125.3	n
PeCB-118/106	1871834	0.57 y	28:25	1.53	7786.03	83.39	-	n
13C-PeCB-114	575599	0.75 (n)	29:02	0.97	4671.15	3.92	116.8	n
PeCB-114	81123	0.51 n	29:04	1.59	355.57	85.55	-	n
13C-PeCB-105	466497	0.60 y	29:54	0.90	4077.29	4.22	101.9	n
PeCB-105/127	657763	0.63 y	29:55	1.42	3965.57	117.72	-	n
13C-PeCB-126	435038	0.73 (n)	31:48	0.91	3742.79	4.16	93.6	n
PeCB-126	5876	0.90 n	31:47	1.17	46.05	151.51	-	n
13C-OcCB-202	581241	0.82 y	34:06	-	0.45	-	-	n
13C-HxCB-167	501892	1.11 y	32:55	0.84	4104.17	80.98	102.6	n
HxCB-167	24860	1.42 y	32:57	1.17	169.50	11.48	-	n
13C-HxCB-156	388991	1.20 y	34:13	0.67	3994.16	101.68	99.9	n
HxCB-156	36533	1.41 y	34:13	1.45	258.68	11.74	-	n
13C-HxCB-157	410507	1.47 (n)	34:32	0.71	3996.75	96.41	99.9	n
HxCB-157	6223	0.35 n	34:33	1.45	41.92	11.18	-	n
13C-HxCB-169	392790	1.37 y	36:21	0.73	3685.23	92.91	92.1	n
HxCB-169	104	0.05 n	36:24	0.99	1.08	18.41	-	n
13C-HpCB-180	417161	1.18 y	35:10	0.58	4910.59	108.42	122.8	n
HpCB-180	244098	1.29 n	35:12	1.27	1849.94	163.91	-	n
13C-HpCB-170	305510	1.36 (n)	36:50	0.47	4431.72	133.61	110.8	n
HpCB-170/190	73535	0.59 n	36:50	1.61	599.33	171.05	-	n
13C-HpCB-189	418537	1.06 y	38:26	0.60	4812.31	105.91	120.3	n
HpCB-189	*	* n	NotFnd	1.21	*	195.53	-	n
13C-PeCB-111	649398	0.64 y	26:13	1.36	3833.35	3.09	95.8	n

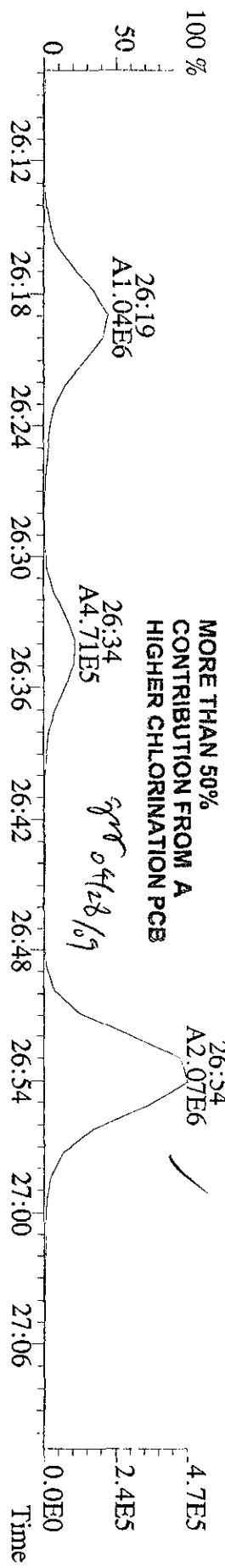
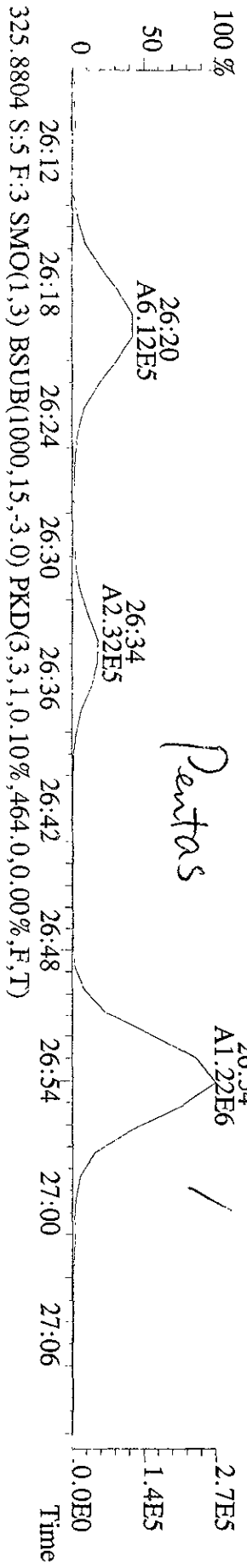
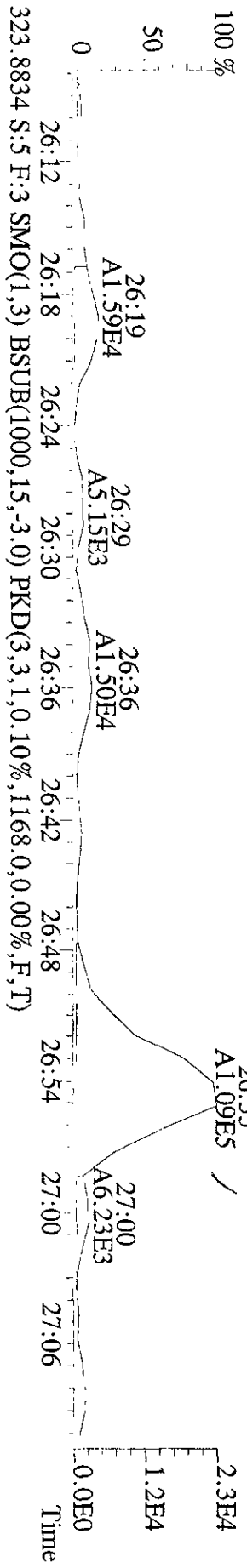
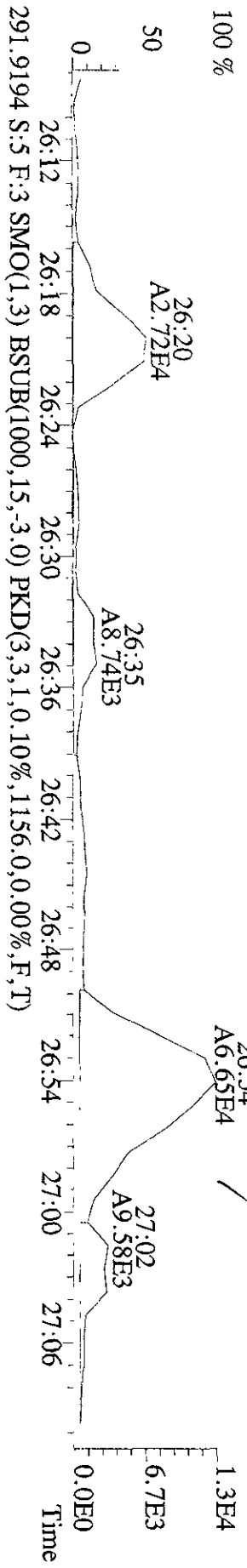
File:13AP09B9D5 #1-597 Acq:13-APR-2009 16:47:50 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:K9DND8-1-AA :G9C310247-2 (5X) Exp:09DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,C,10%,860.0,0.00%,F,T)  
 100%



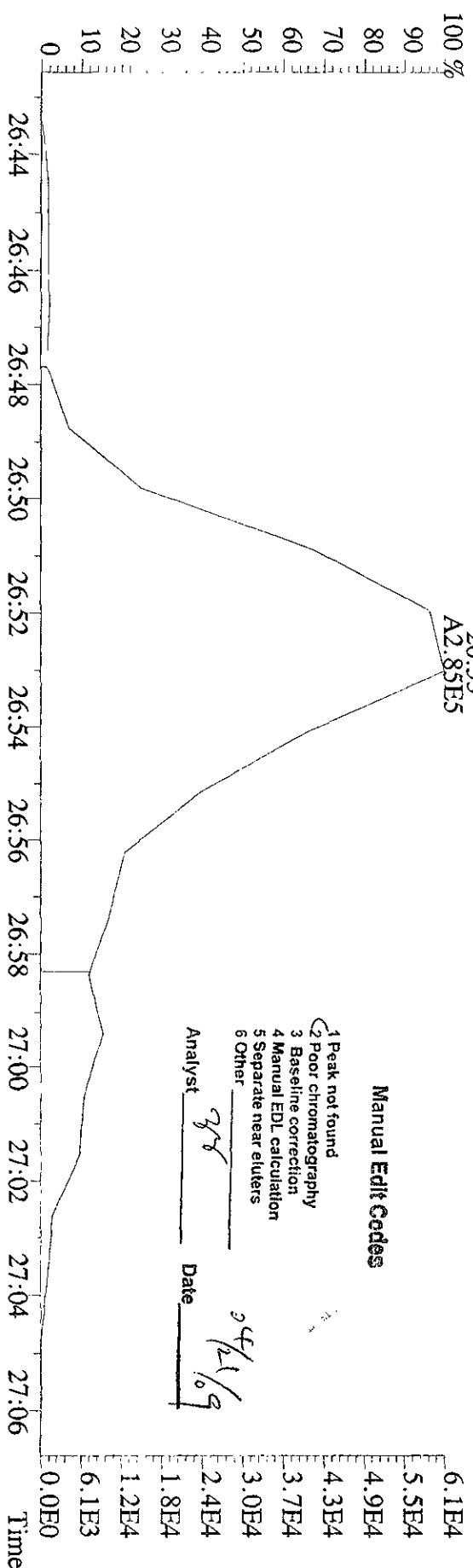
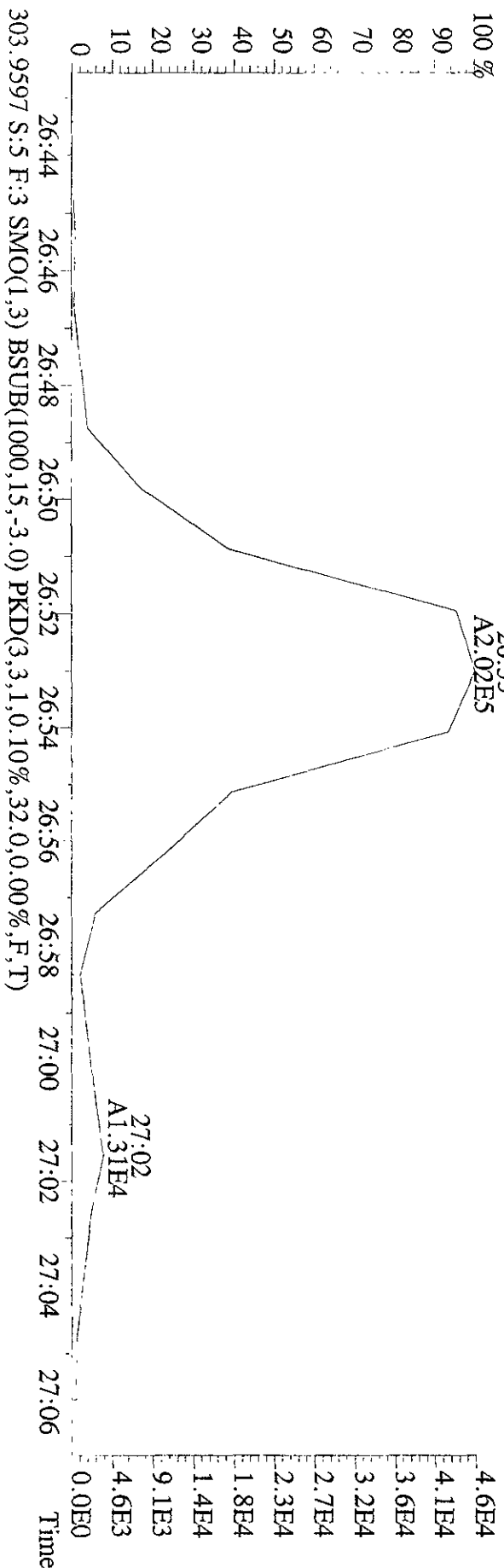
*Bo 4/21/09*



File: 13AP09B9D5 #1-597 Acq: 13-APR-2009 16:47:50 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#5 Text: K9DND8-1-AA : G9C310247-2 Exp: 209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,860.0,0.00%,F,T)



File: 13AP09B9D5 #1-597 Acq: 13-APR-2009 16:47:50 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#5 Text: K9DND8-1-AA : G9C310247-2 Exp: 209DB5  
 301.9626 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,24.0,0.00%,F,T)



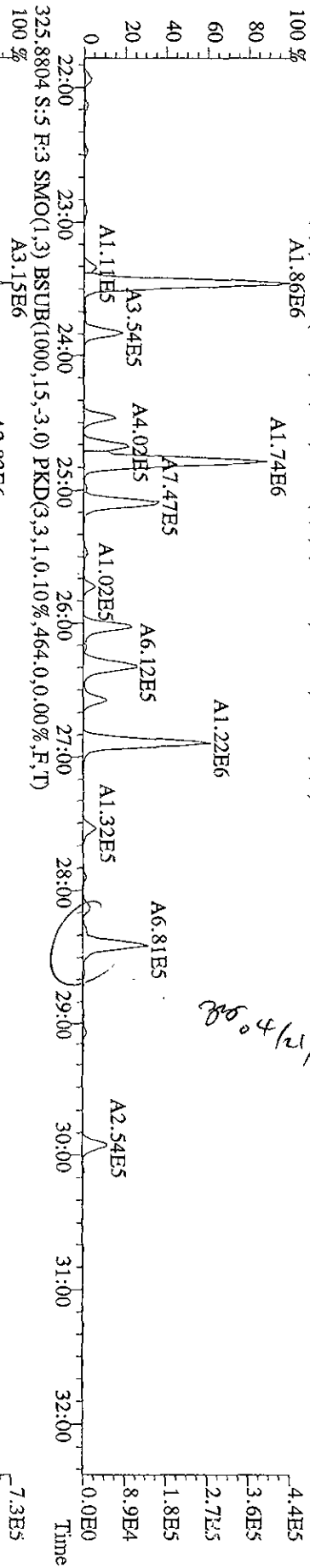
**Manual Edit Codes**

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

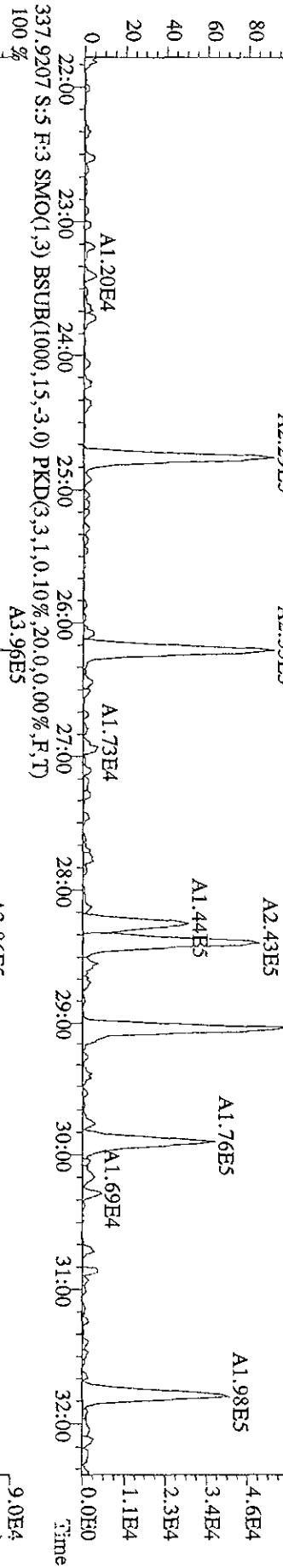
Analyst     Date    

*3/2* *04/21/09*

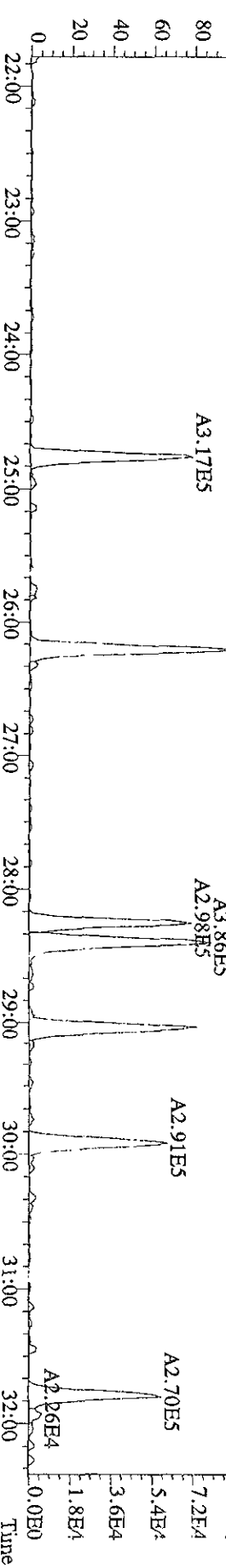
File:13AP09B9D5 #1-597 Acq:13-APR-2009 16:47:50 GC:EI - Voltage SIR Autospec-DitmaE  
Sample#5 Text:K9DND8-1-AA :G9C310247-2 (GX) Exp:209DB5  
323.8834 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1168,0,0.00%,F,T)  
100% A1.86E6



335.9236 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,24,0,0.00%,F,T)  
100% A1.20E4



337.9207 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,20,0,0.00%,F,T)  
100% A3.17E5

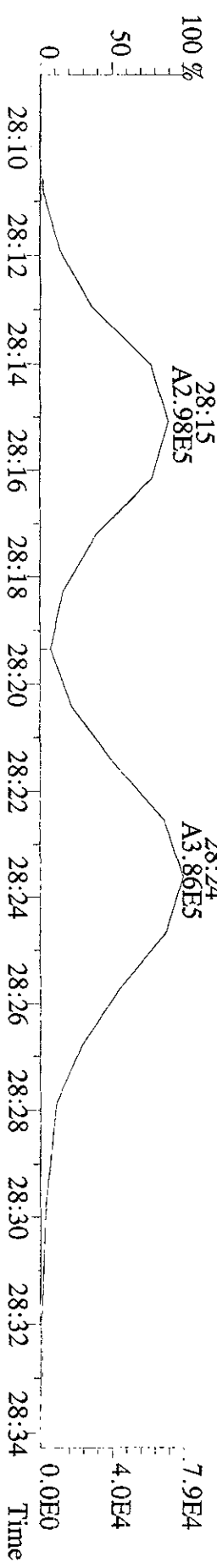
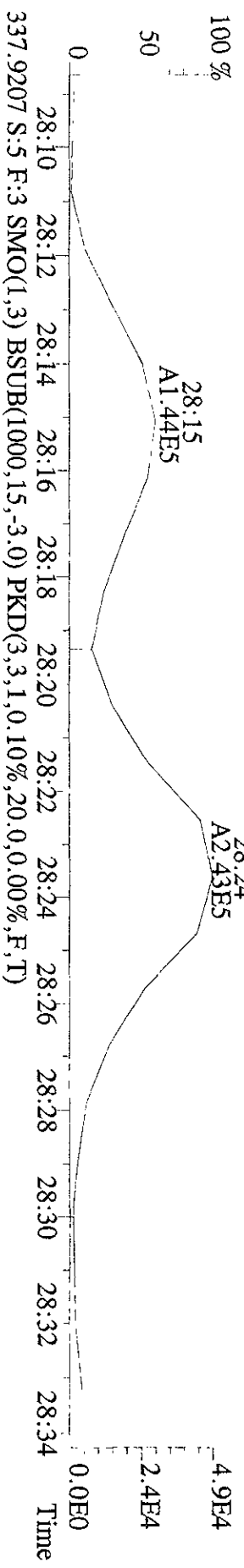
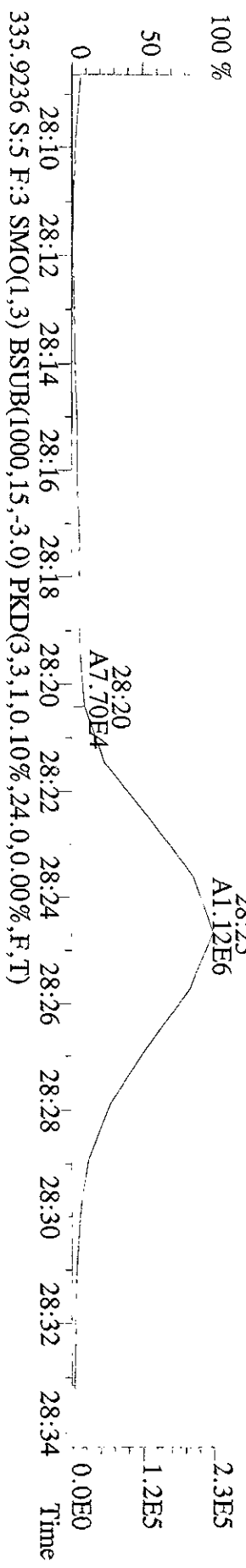
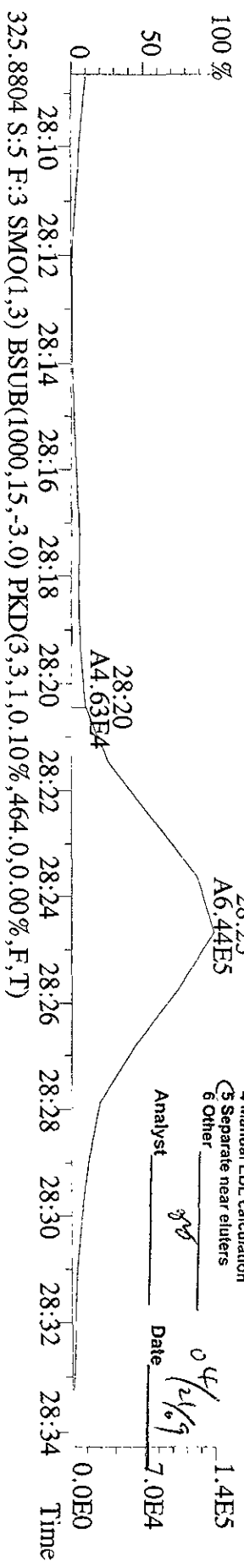


File: 13AP09B9D5 #1-597 Acq: 13-APR-2009 16:47:50 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text: K9DND8-1-AA : G9C310247-2 Exp: 209DB5  
 323.8834 S.:5 F.:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1168.0,0.00%,F,T)

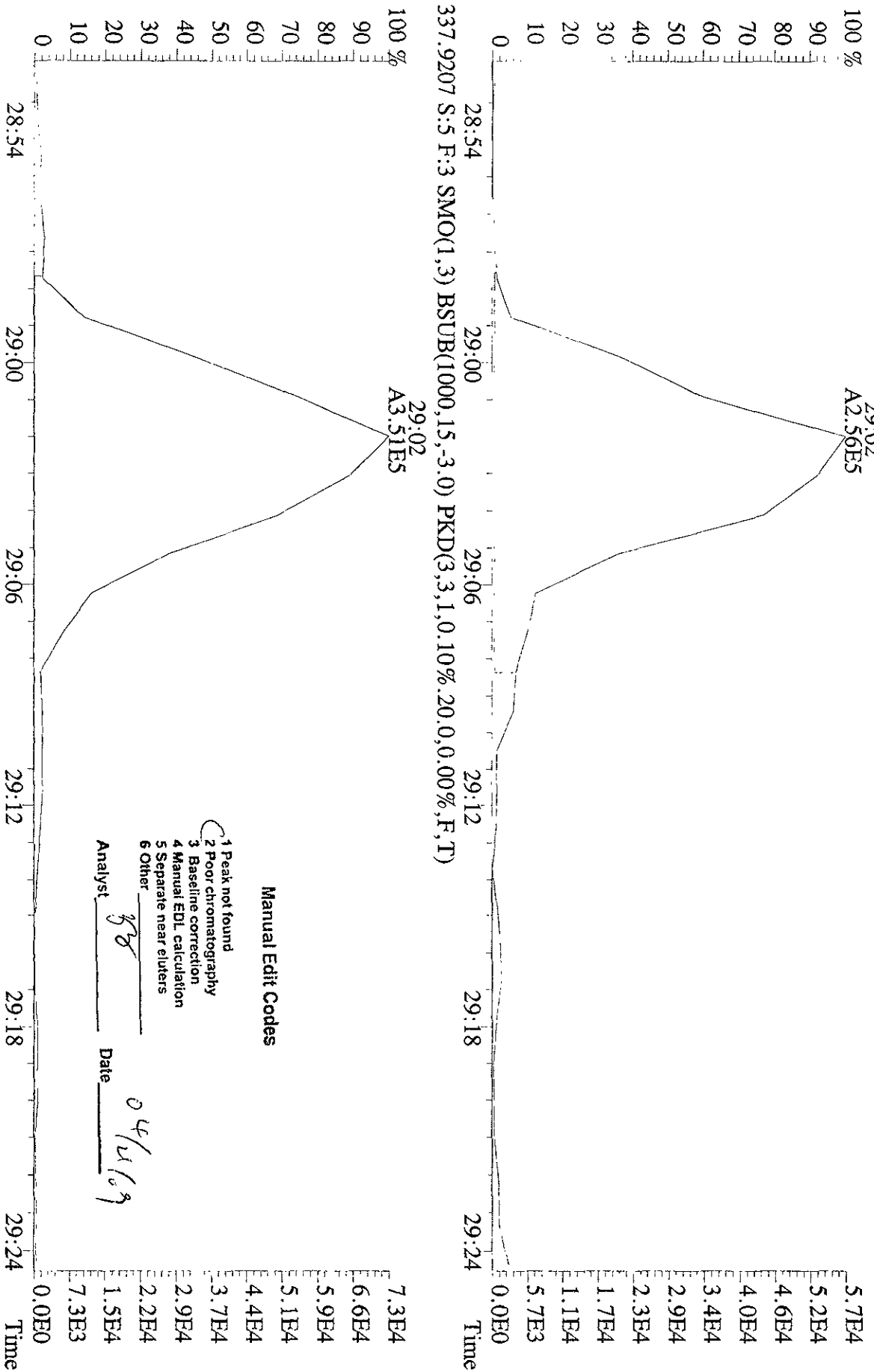
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

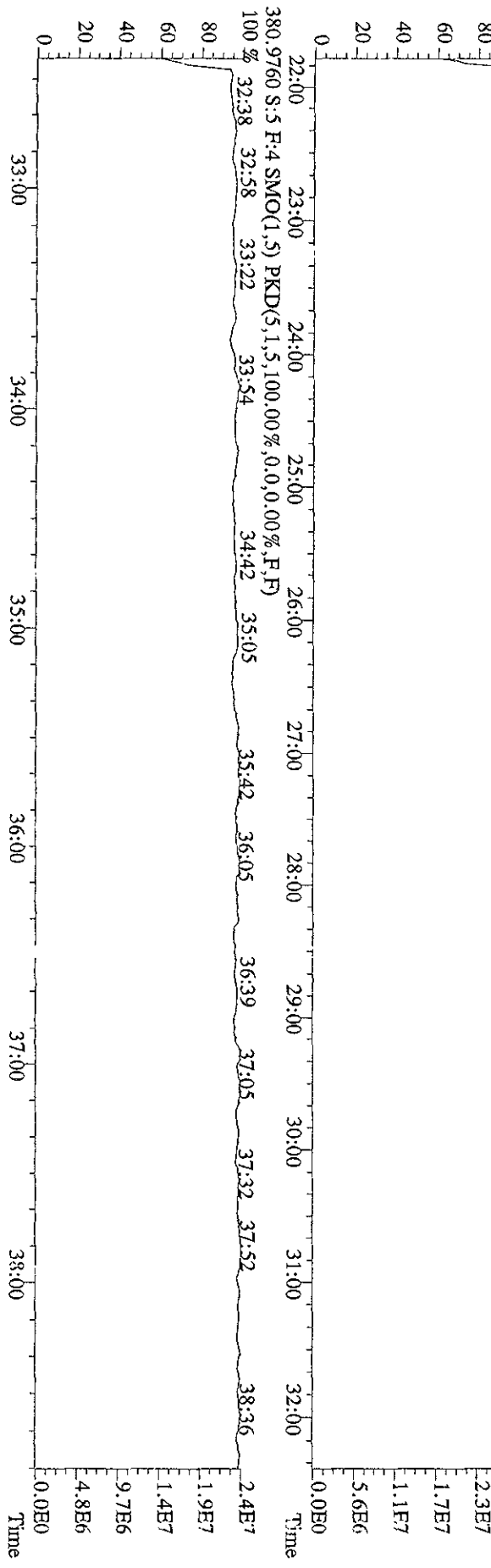
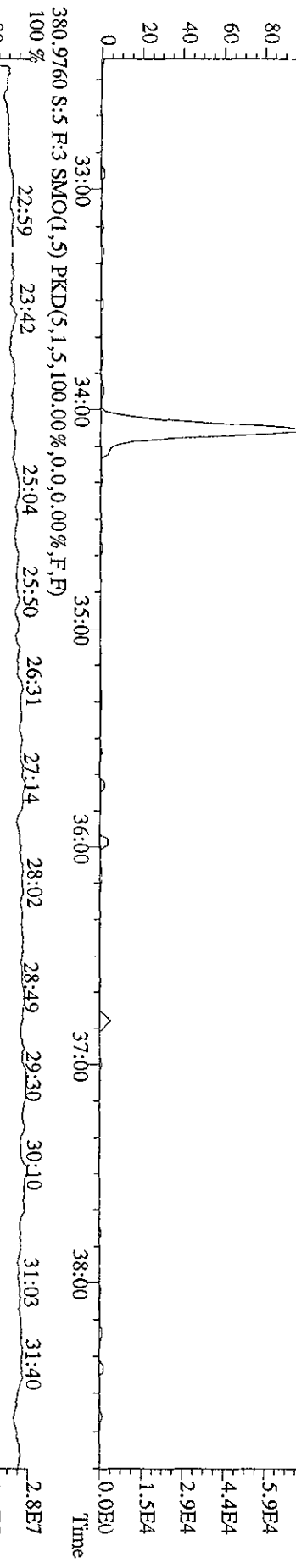
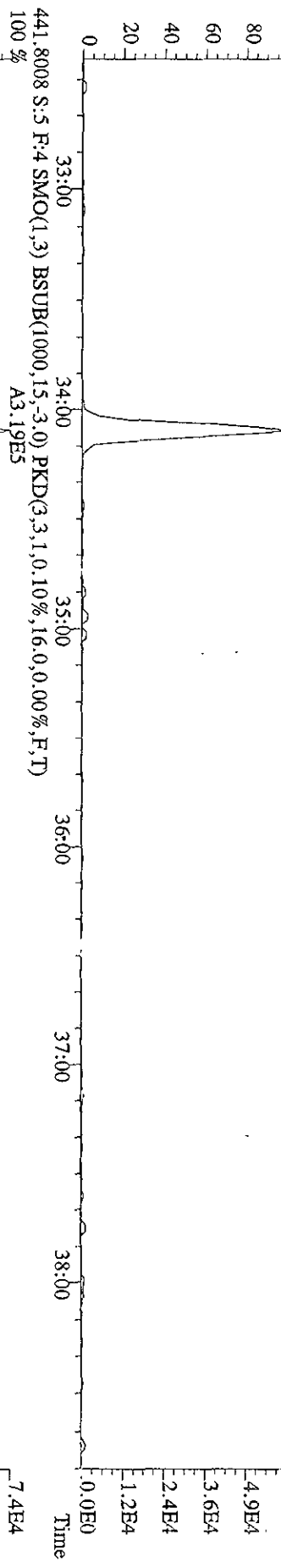
Analyst gdf Date 04/21/09



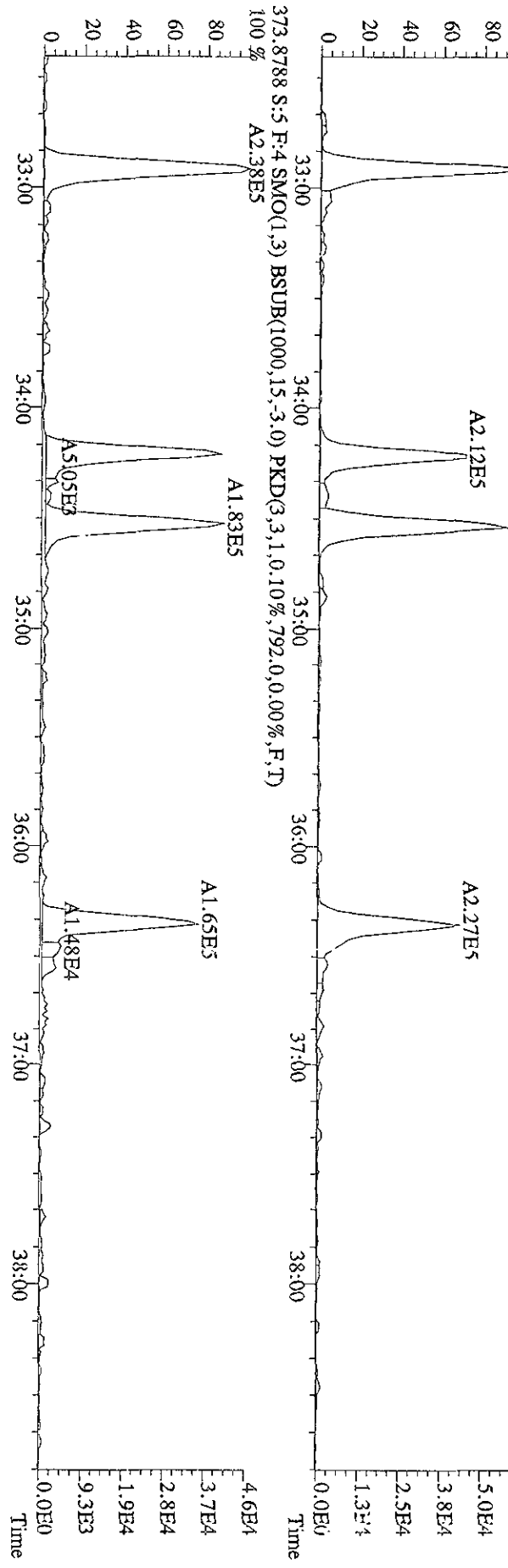
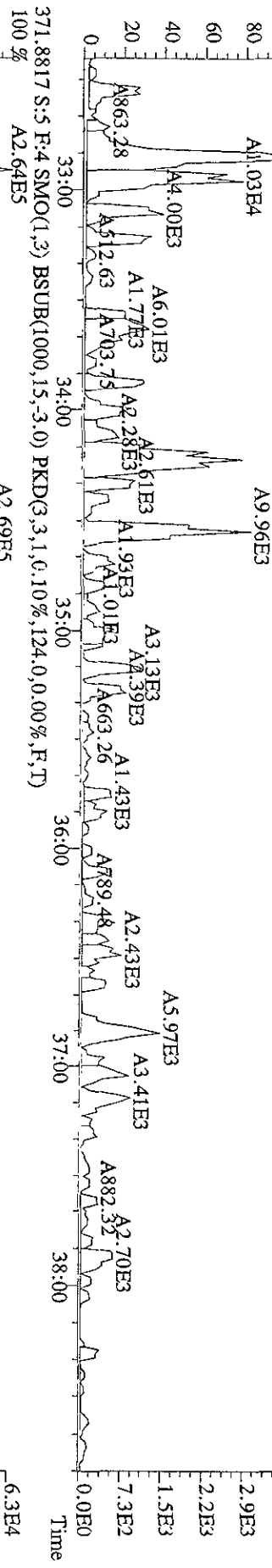
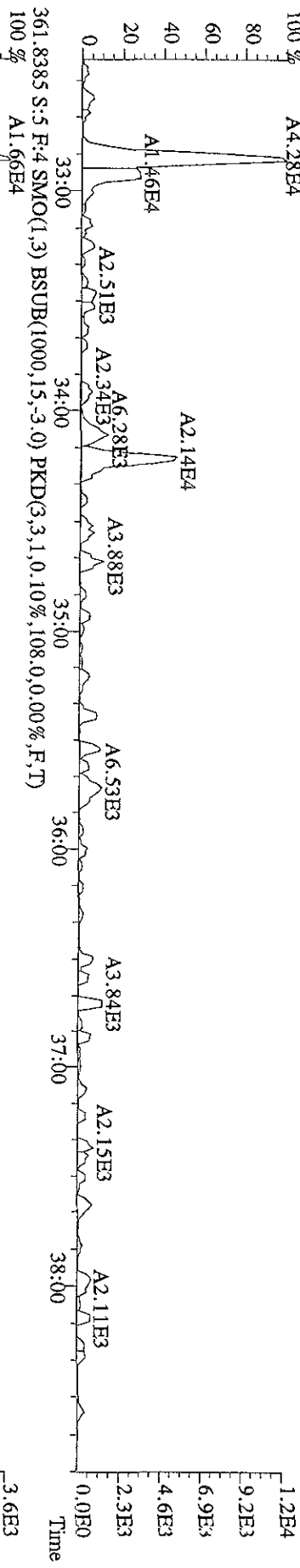
File: 13AP09B9D5 #1-597 Acq: 13-APR-2009 16:47:50 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text: K9DNDN8-1-AA : G9C310247-2 Exp: 209DB5  
 335.9236 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,24.0,0.00%,F,T)



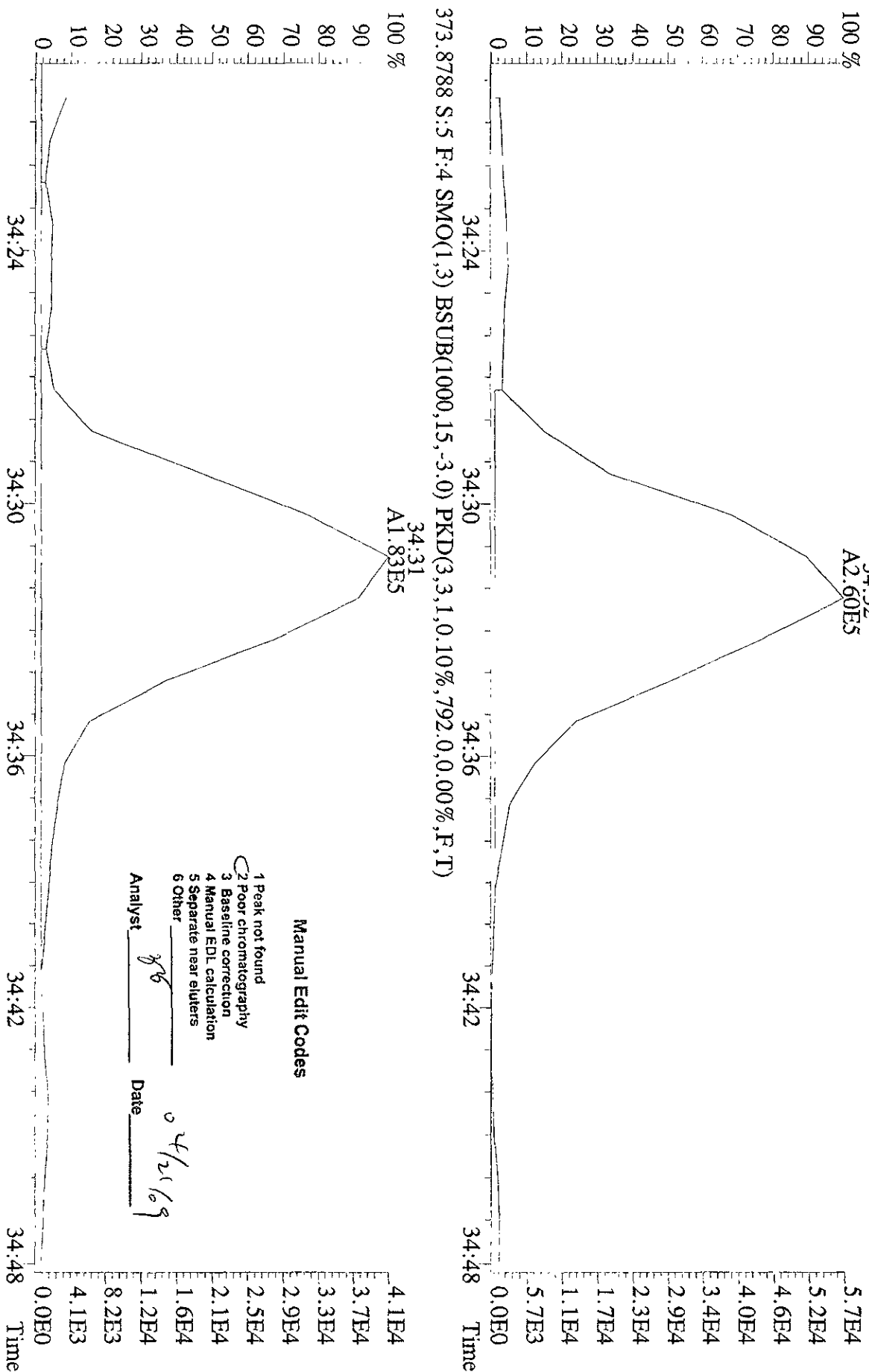
File:13AP09B9D5 #1-393 Acq:13-APR-2009 16:47:50 GC EI + Voltage SFR Autospec-Ultimate  
 Sample#5 Text:K9DN8-1-AA :G9C310247-2 (5X) Exp:209DB5  
 439.8038 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,20.0,0.00%,F,T)  
 A2.62E5



File: 13AP09B9D5 #1-393 Acq: 13-APR-2009 16:47:50 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text: K9DNN8-1-AA : G9C310247-2 (5X) Exp: 209DB5  
 359.8415 S: 5 F: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,108,0,0,00%,F,T)

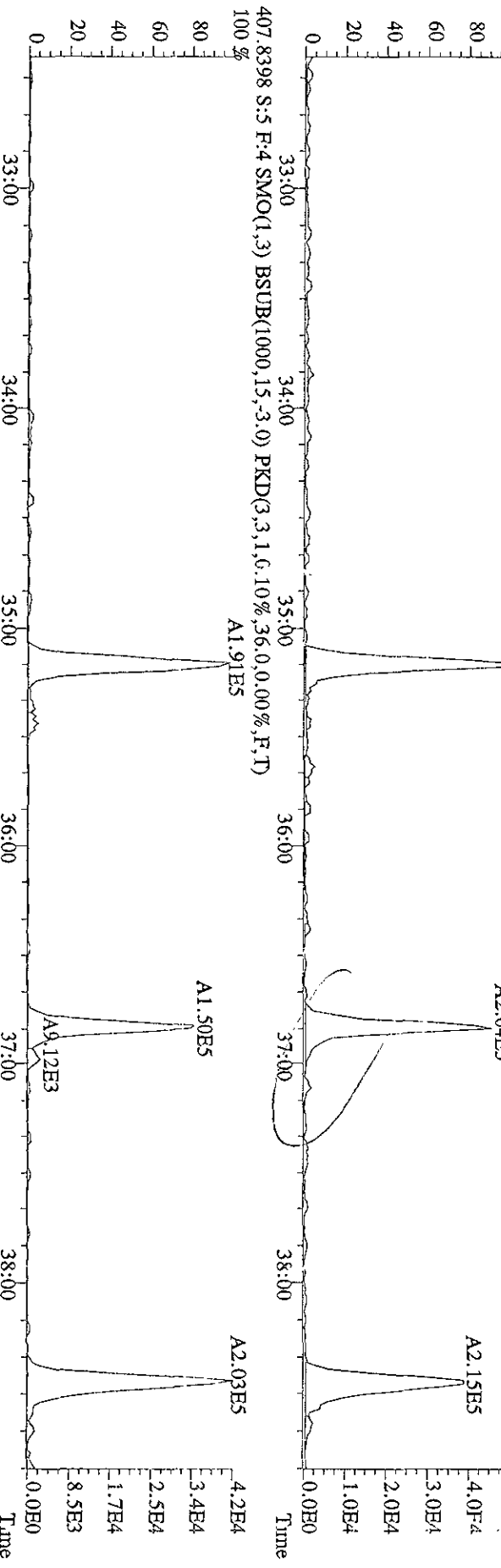
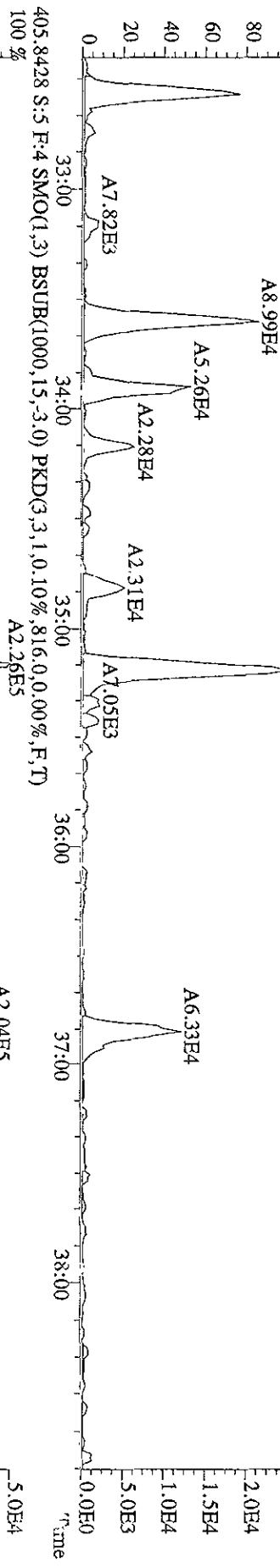
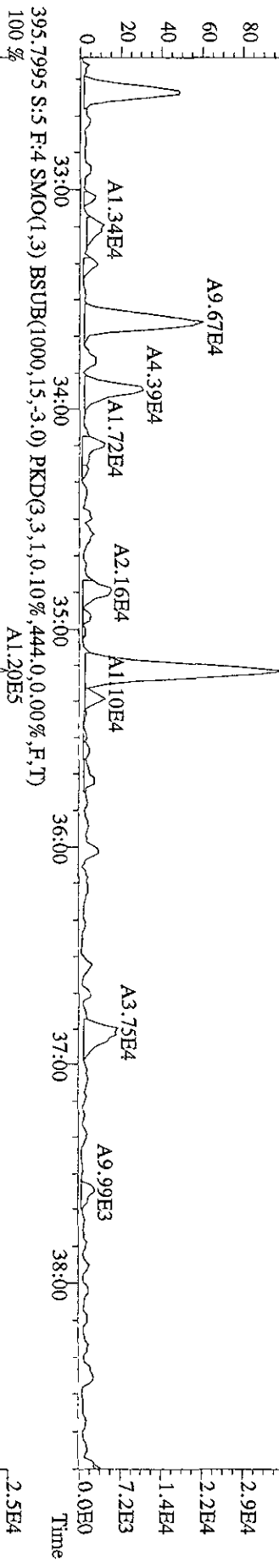


File: 13AP09B9D5 #1-393 Acq: 13-APR-2009 16:47:50 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text: K9DN8-1-AA : G9C310247-2 Exp: 209DB5  
 371.8817 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,124.0,0.00%,F,T)

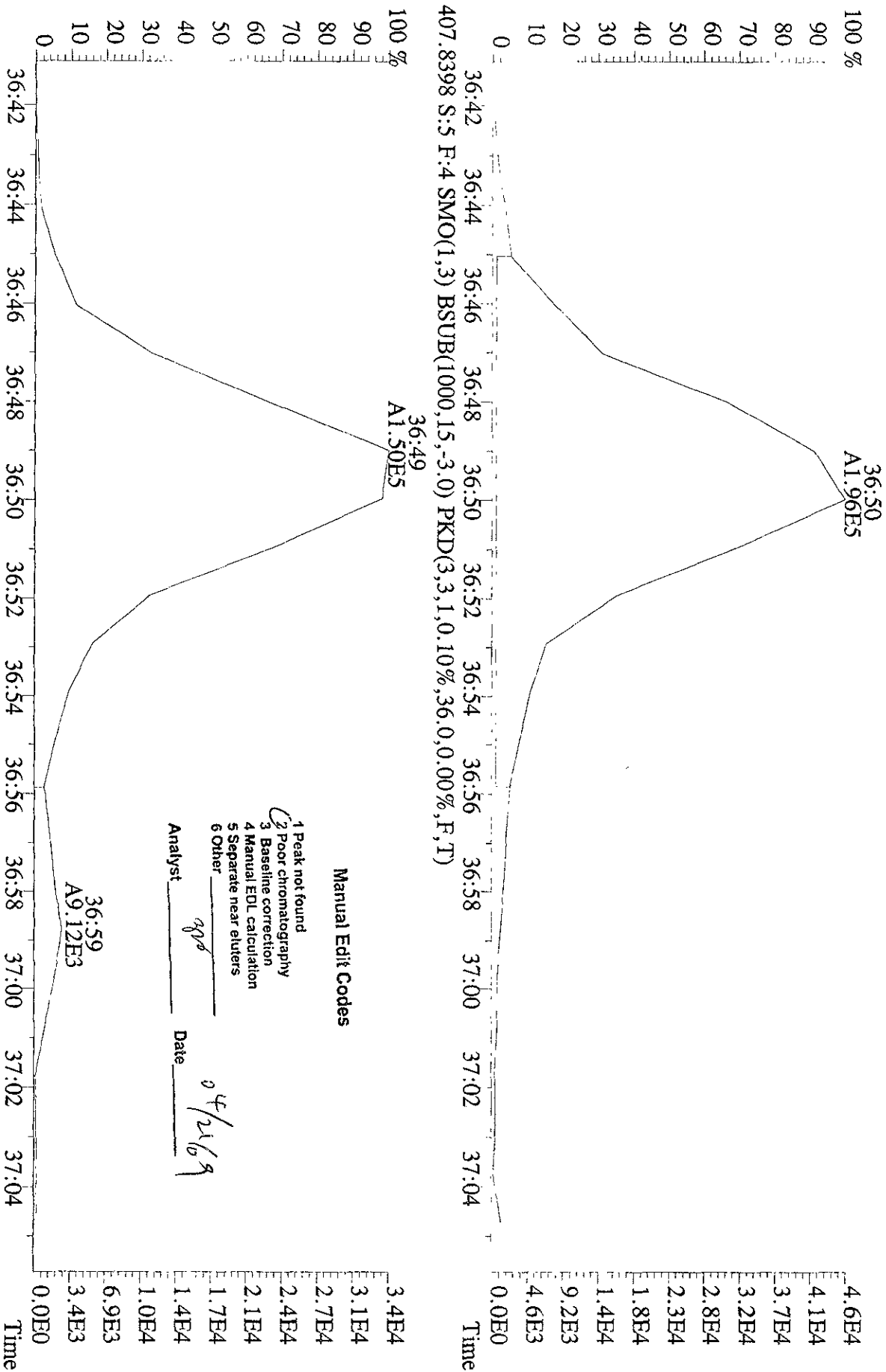




File:13ADP09B9D5 #1-393 Acq:13-APR-2009 16:47:50 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:K9DN8-1-AA :G9C310247-2 (5X) Exp:209DB5  
 393.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1456,0.0,0.00%,F,T) A1.54E5



File: 13AP09B9D5 #1-393 Acq: 13-APR-2009 16:47:50 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#5 Text: K9DND8-1-AA : G9C310247-2 Exp: 209DB5  
 405.8428 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,816.0,0.00%,F,T)



RL (low pg/sample)

Quantitation Summary

TestAmerica West Sacramento

Run text: K9DPC-1-AA Sample text: K9DPC-1-AA :G9C310247-3 (5X)
Run #9 Filename: 13AP09B9D5 S: 6 I: 1 Results: 13AP09B9D51668MSLSY
Acquired: 13-APR-09 17:39:14 Processed: 13-APR-09 19:12:44
Run: 13AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5
Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 Samp

3/28/09

Table with columns: Name, Resp, RA, RT, RRF, Conc, EDL, Rec, M. Rows include various PCB and HxCB compounds with their respective response and retention times.

Run text: K9DPC-1-AA Sample text: K9DPC-1-AA :G9C310247-3 (5X)  
 Run #9 Filename: 13AP09B9D5 S: 6 I: 1 Results: 13AP09B9D51668MSL  
 Acquired: 13-APR-09 17:39:14 Processed: 13-APR-09 19:12:44  
 Run: 13AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Samp

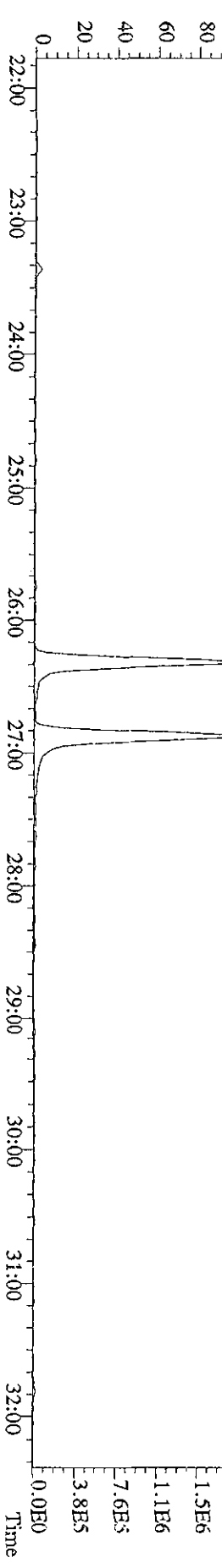
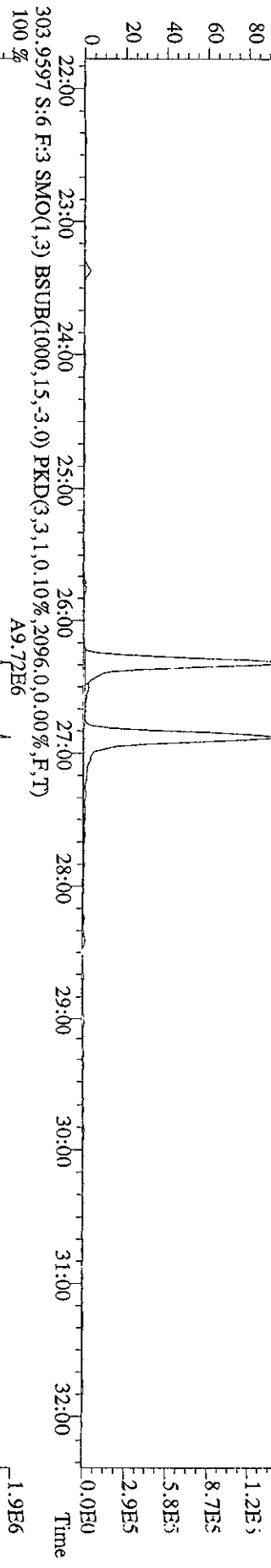
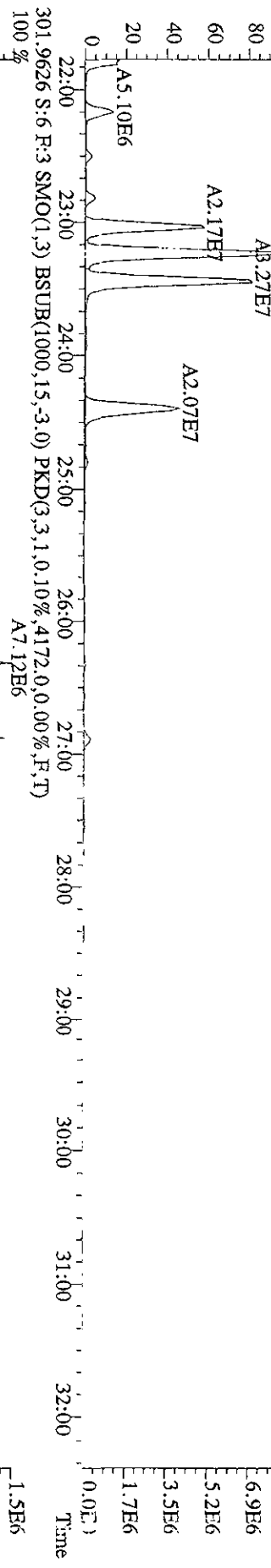
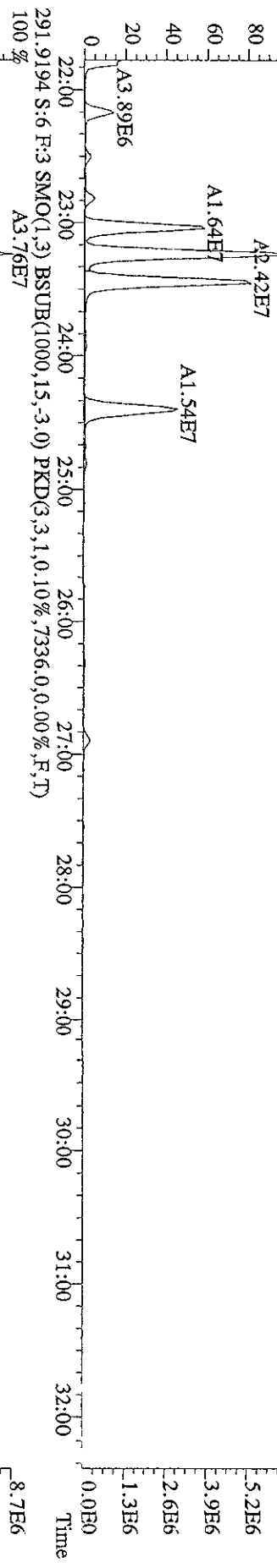
3/20 04/21/09

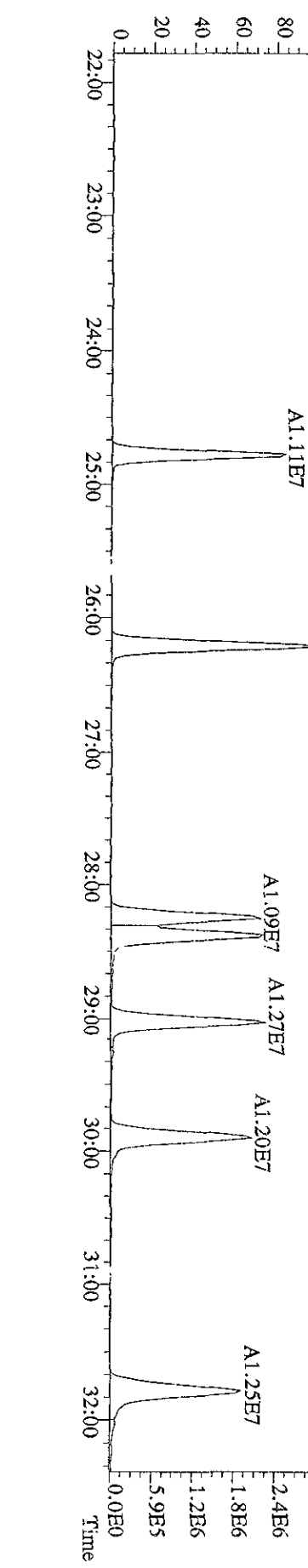
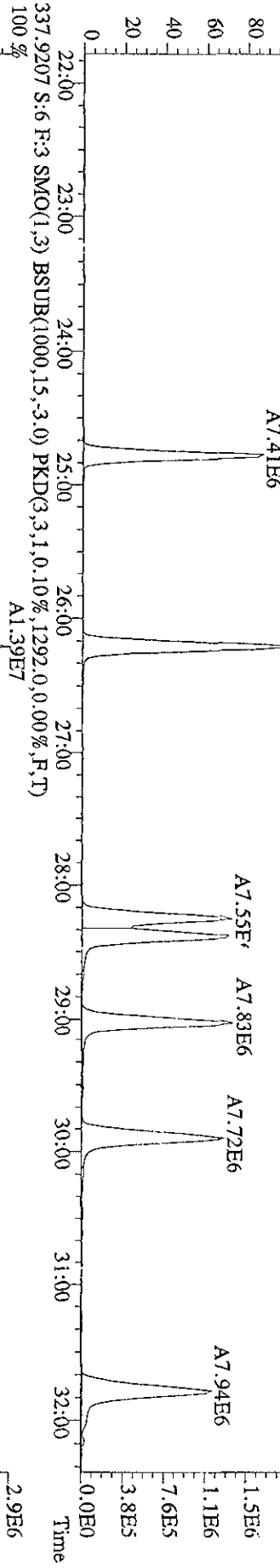
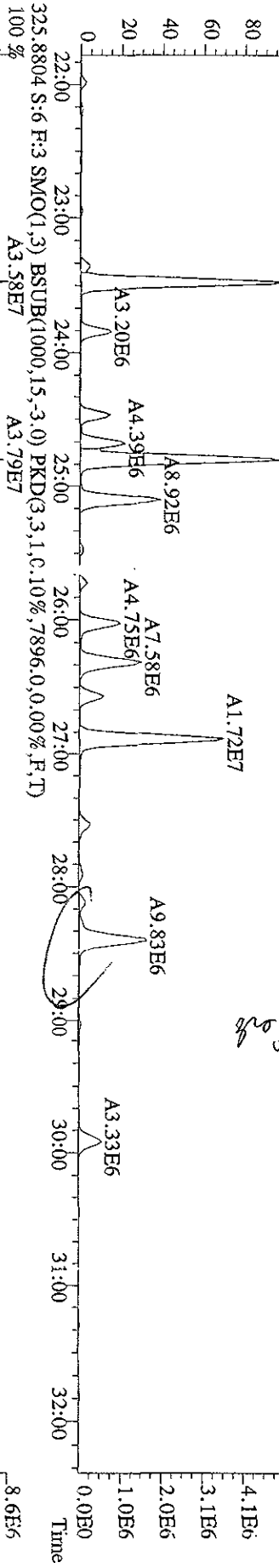
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	18472520	0.67 y	24:46	-	15.11	-	-	n
13C-TCB-81	16835300	0.73 y	26:19	0.95	3848.33	16.05	96.2	n
TCB-81	385798	0.65 n	26:19	1.28	71.71	29.37	-	n
13C-TCB-77	18332330	0.75 y	26:53	0.98	4040.75	15.47	101.0	n
TCB-77	2400910	0.76 y	26:54	1.10	474.75	34.84	-	n
13C-PeCB-123	18413210	0.70 y	28:15	0.87	4575.22	11.01	114.4	n
PeCB-123	*	* n	NotFnd	1.51	*	24.98	-	n
13C-PeCB-118	19962430	0.59 y	28:23	0.98	4390.52	9.75	109.8	n
PeCB-118/106	26303670	0.60 y	28:25	1.53	3449.30	24.23	-	n
13C-PeCB-114	20486170	0.62 y	29:02	0.97	4590.56	9.93	114.8	n
PeCB-114	861500	0.59 y	29:03	1.59	106.10	22.96	-	n
13C-PeCB-105	19715630	0.64 y	29:54	0.90	4758.12	10.69	119.0	n
PeCB-105/127	9202720	0.57 y	29:55	1.42	1312.77	27.77	-	n
13C-PeCB-126	20459900	0.63 y	31:47	0.91	4860.41	10.53	121.5	n
PeCB-126	*	* n	NotFnd	1.17	*	36.47	-	n
13C-OcCB-202	24233400	0.85 y	34:06	-	18.83	-	-	n
13C-HxCB-167	20062590	1.26 y	32:55	0.84	3934.99	26.88	98.4	n
HxCB-167	1938052	1.23 y	32:52	1.17	330.58	11.98	-	n
13C-HxCB-156	16233410	1.27 y	34:13	0.67	3997.95	33.75	99.9	n
HxCB-156	789693	1.29 y	34:13	1.45	133.99	11.98	-	n
13C-HxCB-157	17873230	1.26 y	34:32	0.71	4173.80	32.01	104.3	n
HxCB-157	171964	1.25 y	34:32	1.45	26.61	11.38	-	n
13C-HxCB-169	18195740	1.30 y	36:21	0.73	4094.64	30.84	102.4	n
HxCB-169	*	* n	NotFnd	0.99	*	17.69	-	n
13C-HpCB-180	16673680	1.05 y	35:11	0.58	4707.64	11.50	117.7	n
HpCB-180	8962220	1.10 y	35:12	1.27	1699.34	10.56	-	n
13C-HpCB-170	14349760	1.03 y	36:50	0.47	4992.67	14.17	124.8	n
HpCB-170/190	2768960	1.13 y	36:51	1.61	480.47	9.97	-	n
13C-HpCB-189	18694970	1.04 y	38:27	0.60	5155.69	11.23	128.9	n
HpCB-189	*	* n	NotFnd	1.21	*	10.97	-	n
13C-PeCB-111	23090870	0.66 y	26:12	1.36	3422.61	8.55	85.6	n

<RL

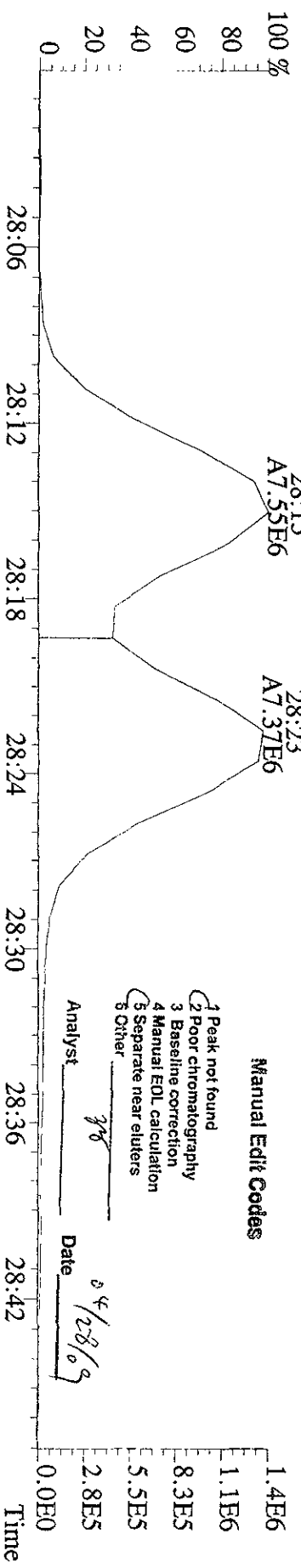
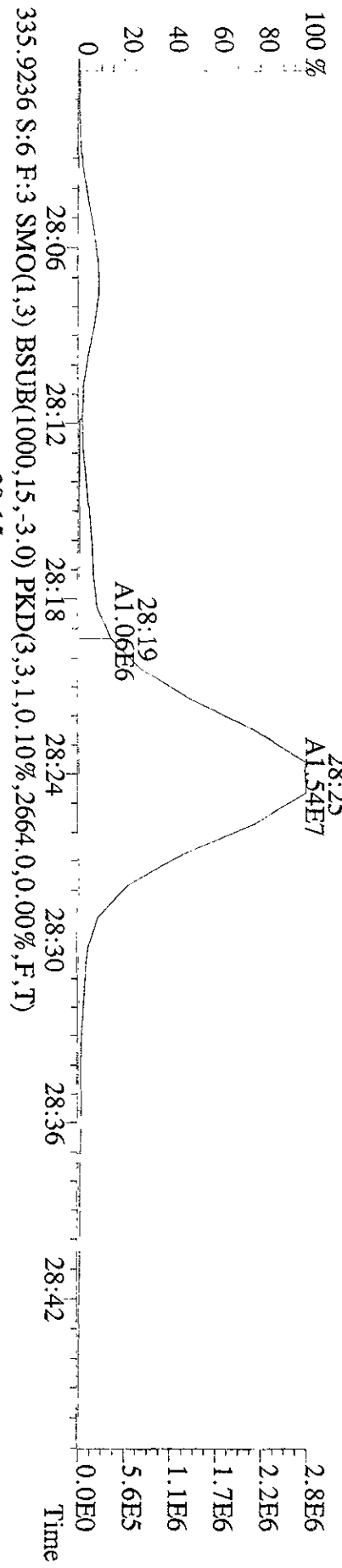
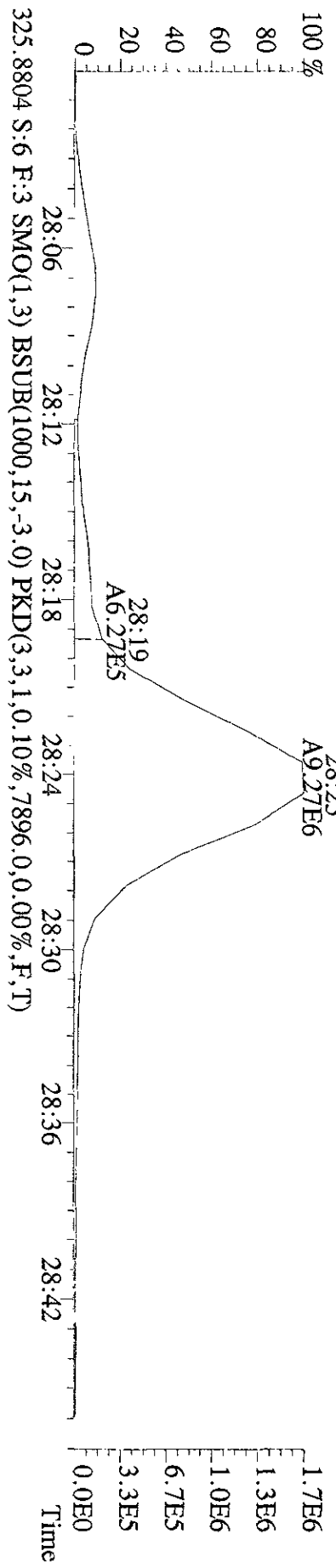


File:13AP09B9D5 #1-597 Acq:13-APR-2009 17:39:14 GC EI+ Voltage SIR Autospec-UtimaB  
 Sample#6 Text:K9DPC-1-AA :G9C310247-3 (5X) Exp:209DB5  
 289.9224 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5256,0,0.00%,F,T)  
 100% A2.81E7





File: 13AP09B9D5 #1-597 Acq: 13-APR-2009 17:39:14 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#6 Text: K9DDPC-1-AA : G9C310247-3 Exp: 209DB5  
 323.8834 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5252.0,0.00%,F,T)

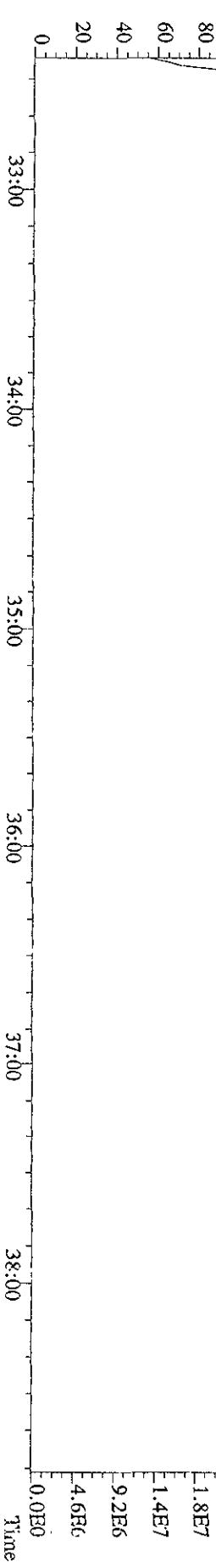
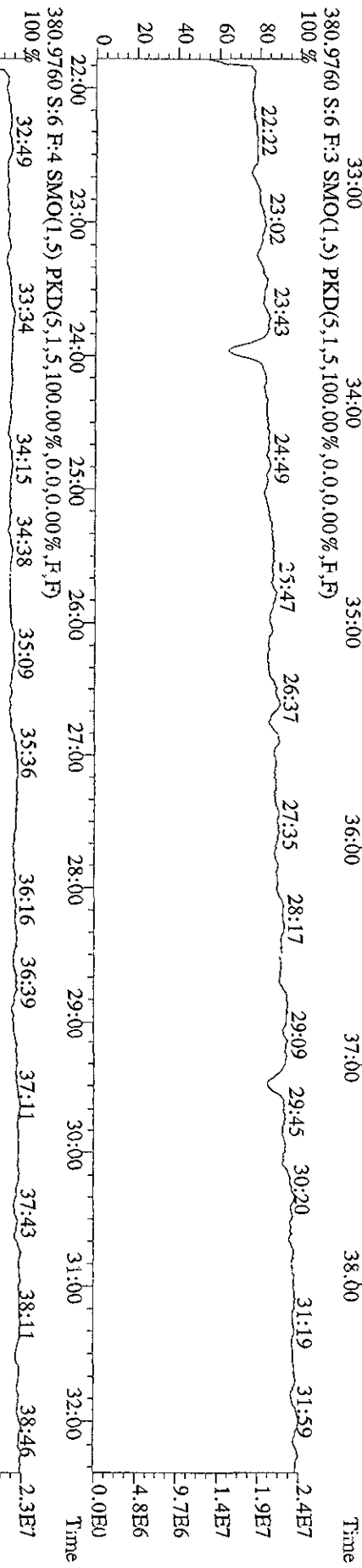
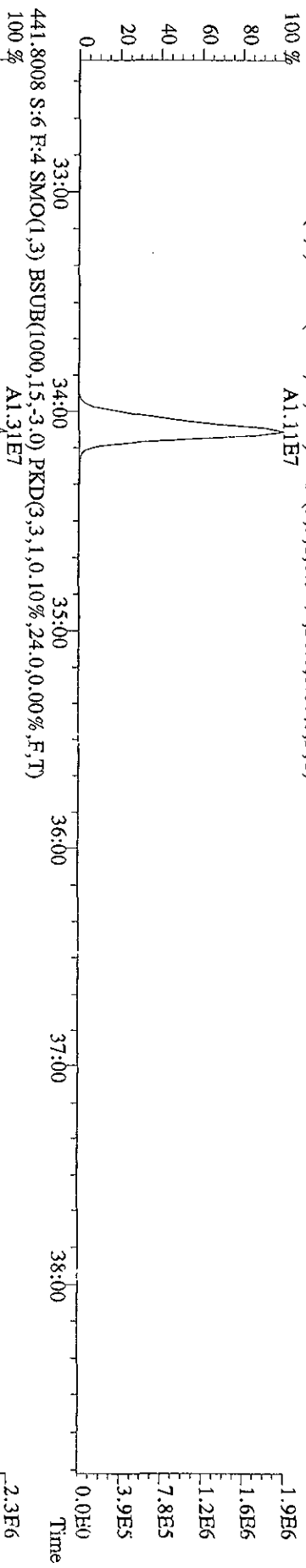


Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

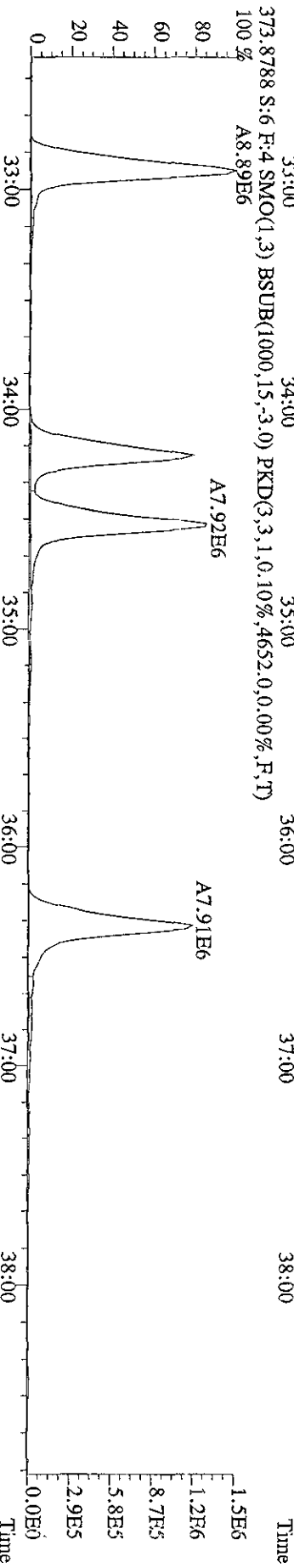
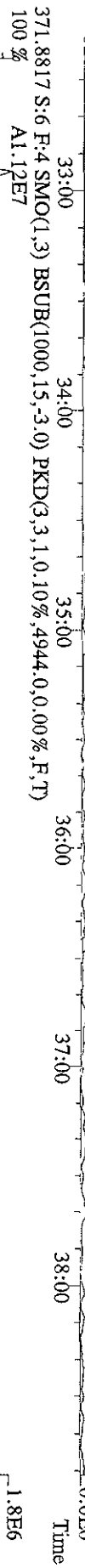
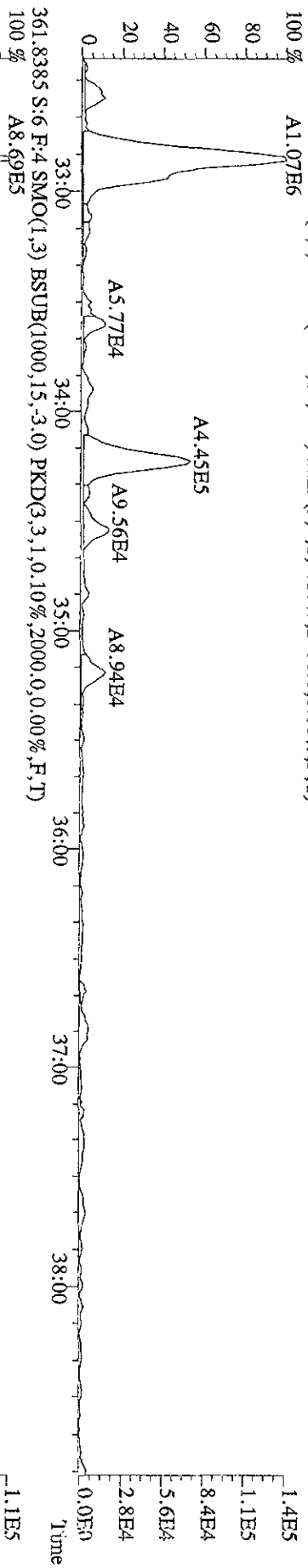
Analyst js Date 04/28/09

File: 13AP09B9D5 #1-394 Acq: 13-APR-2009 17:39:14 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#6 Text: K9DPC-1-AA : G9C310247-3 (5X) Exp: 209DB5  
 439.8038 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,24.0,0.00%,F,T)  
 100% A1.11E7

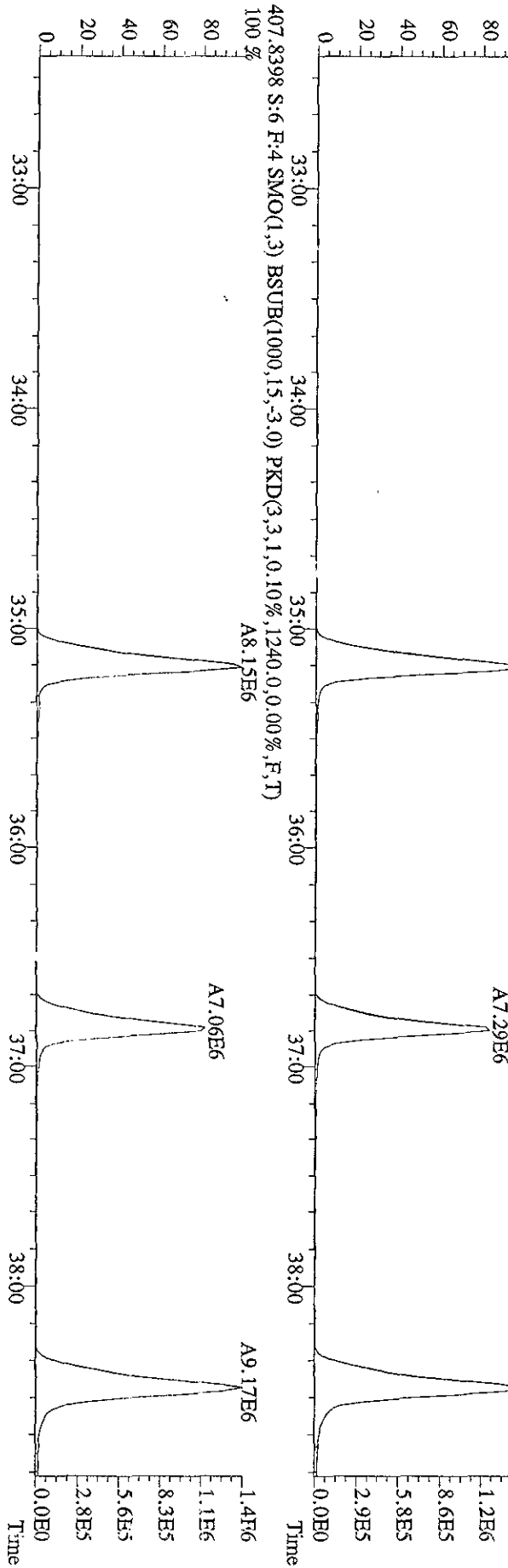
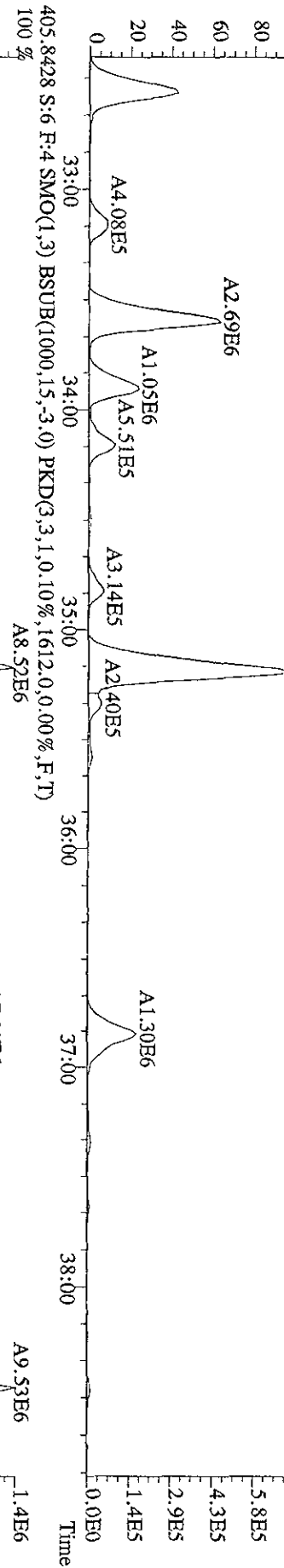
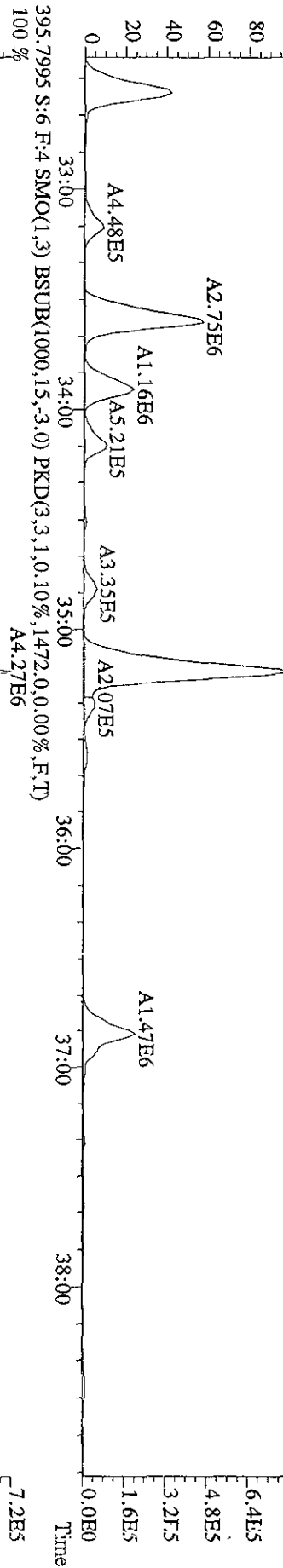




File:13AP09B9D5 #1-394 Acq:13-APR-2009 17:39:14 GC EI - Voltage SIR Autospec-UltimaE  
 Sample#6 Text:K9DPC-1-AA :G9C310247-3 (5X) Exp:209DB5  
 359.8415 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,6,10%,2580,0,0,00%,F,T)  
 100% A1.07E6



File:13AP09B9D5 #1-394 Acq:13-APR-2009 17:39:14 GC HI - Voltage SIR Autospec-Ultimate  
 Sample#6 Text:K9DPC-1-AA :G9C310247-3 (5X) Exp.:09DB5  
 393.8025 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2272.0,0.00%,F,T) A4.69E6



Run text: K9DPF-1-AA      Sample text: K9DPF-1-AA :G9C310247-4  
 Run #16 Filename: 09AP09B9D5 S: 34 I: 1      Results: 09AP09B9D51668MSL  
 Acquired: 10-APR-09 21:36:39      Processed: 10-APR-09 22:36:56  
 Run: 09AP09B9D5      Analyte: 1668MSL      Cal: 1668MSL0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000Samp

*3/20/04/21/9*

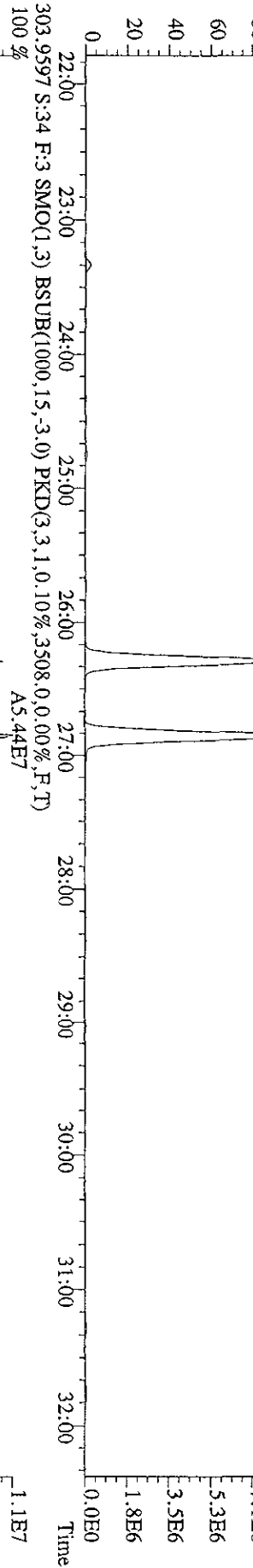
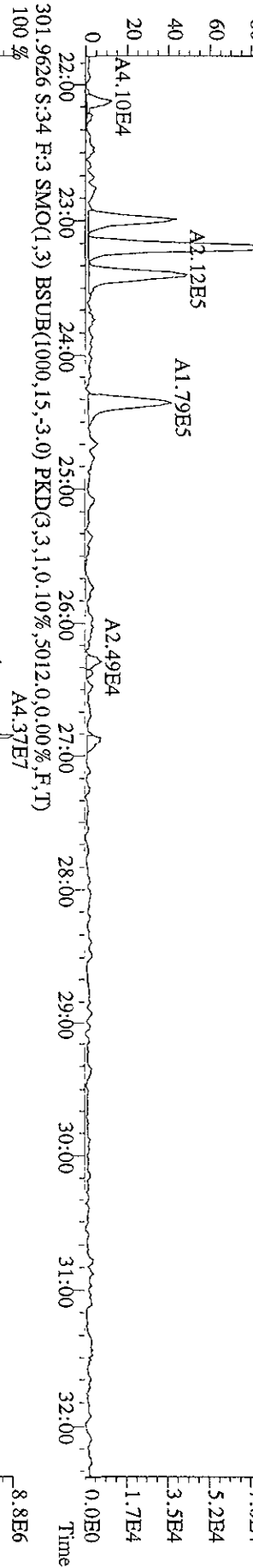
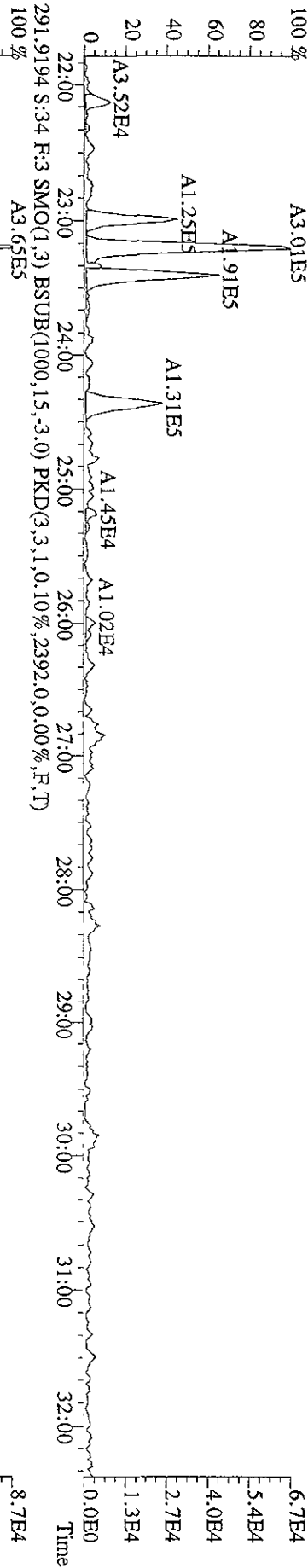
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	100306840	0.66 y	24:45	-	82.05	-	-	n
13C-TCB-81	89311092	0.79 y	26:18	0.95	3759.69	3.96	94.0	n
TCB-81	*	* n	NotFnd	1.28	*	1.86	-	n
13C-TCB-77	98122972	0.80 y	26:51	0.98	3983.01	3.82	99.6	n
TCB-77	*	* n	NotFnd	1.10	*	2.04	-	n
13C-PeCB-123	92382416	0.65 y	28:14	0.87	4227.34	3.02	105.7	n
PeCB-123	*	* n	NotFnd	1.51	*	1.48	-	n
13C-PeCB-118	89447632	0.66 y	28:23	0.98	3622.99	2.68	90.6	n
PeCB-118/106	454678	0.56 y	28:24	1.53	<del>13.31</del>	1.42	-	n
13C-PeCB-114	97027272	0.66 y	29:01	0.97	4004.00	2.73	100.1	n
PeCB-114	*	* n	NotFnd	1.59	*	1.32	-	n
13C-PeCB-105	97615660	0.67 y	29:53	0.90	4338.50	2.94	108.5	n
PeCB-105/127	158433	0.69 y	29:55	1.42	<del>4.56</del>	1.51	-	n
13C-PeCB-126	115953428	0.66 y	31:47	0.91	5072.81	2.89	126.8	n
PeCB-126	*	* n	NotFnd	1.17	*	1.67	-	n
<hr/>								
13C-OcCB-202	111476268	0.92 y	34:06	-	86.63	-	-	n
13C-HxCB-167	112596220	1.27 y	32:56	0.84	4800.79	5.21	120.0	n
HxCB-167	14051	0.27 n	32:52	1.17	0.43	1.66	-	n
13C-HxCB-156	103538668	1.25 y	34:14	0.67	5543.23	6.54	138.6	n
HxCB-156	*	* n	NotFnd	1.45	*	1.37	-	n
13C-HxCB-157	108372792	1.26 y	34:32	0.71	5501.49	6.20	137.5	n
HxCB-157	*	* n	NotFnd	1.45	*	1.28	-	n
13C-HxCB-169	126606120	1.26 y	36:21	0.73	6193.45	5.97	154.8	n
HxCB-169	*	* n	NotFnd	0.99	*	1.60	-	n
13C-HpCB-180	91097312	1.00 y	35:11	0.58	5591.25	3.66	139.8	n
HpCB-180	210828	1.26 n	35:13	1.27	7.32	2.55	-	n
13C-HpCB-170	76111220	1.00 y	36:49	0.47	5756.64	4.51	143.9	n
HpCB-170/190	86172	0.77 n	36:51	1.61	2.82	2.44	-	n
13C-HpCB-189	107344884	0.99 y	38:26	0.60	6435.39	3.57	160.9	n
HpCB-189	*	* n	NotFnd	1.21	*	2.24	-	n
13C-PeCB-111	100902516	0.66 y	26:11	1.36	3007.99	2.47	75.2	n

*See 5x dilution*

File:09AP09B9D5 #1-597 Acq:10-APR-2009 21:36:39 GC EI+ Voltage SIR Autospec-Ultimate

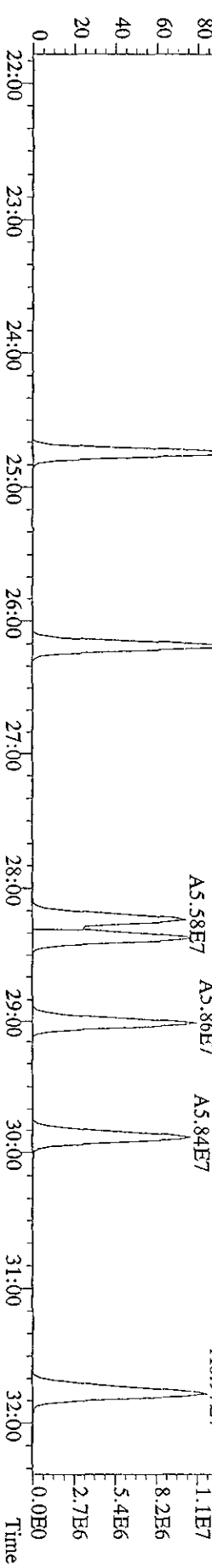
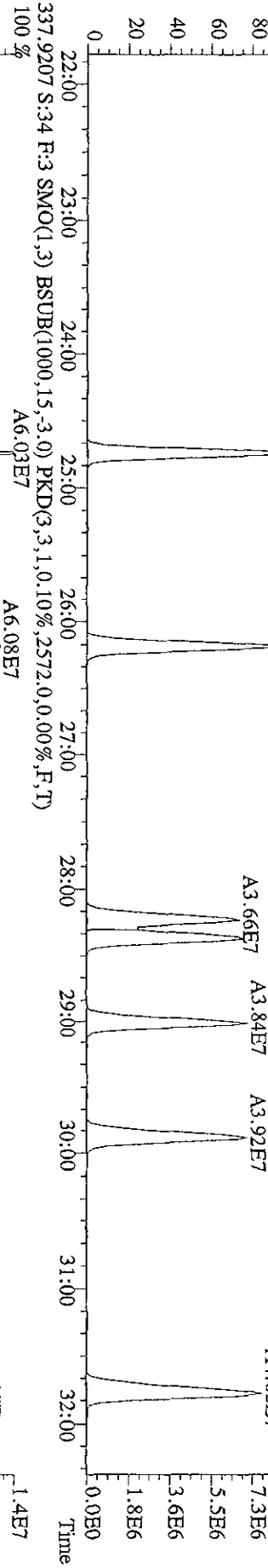
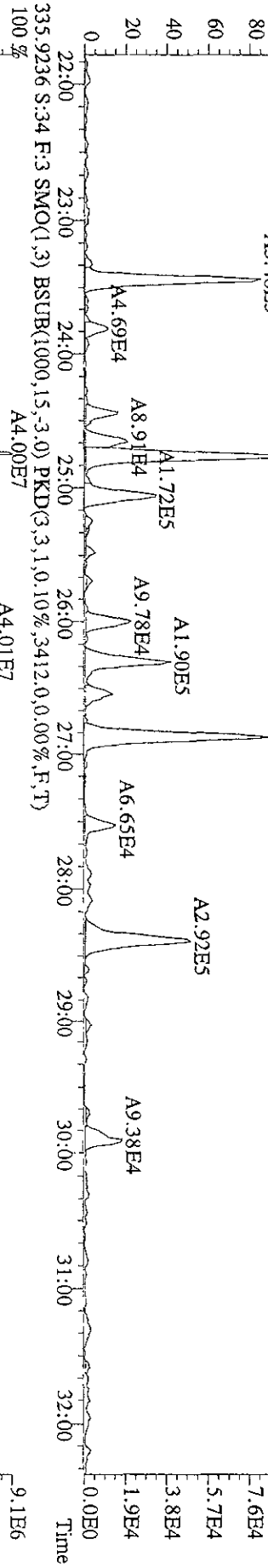
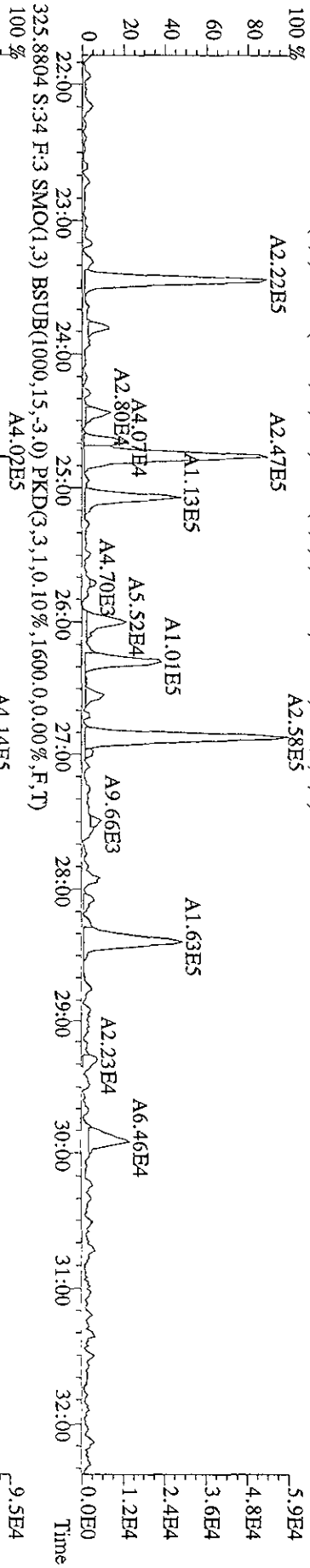
Sample#34 Text:K9DPF-1-AA :G9C310247-4 Exp:209DB5

289.9224 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2088,0.0,0.00%,F,T)

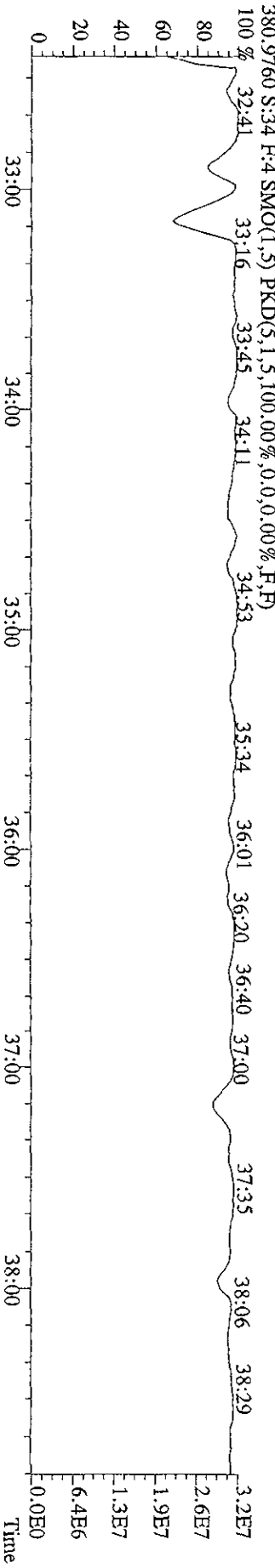
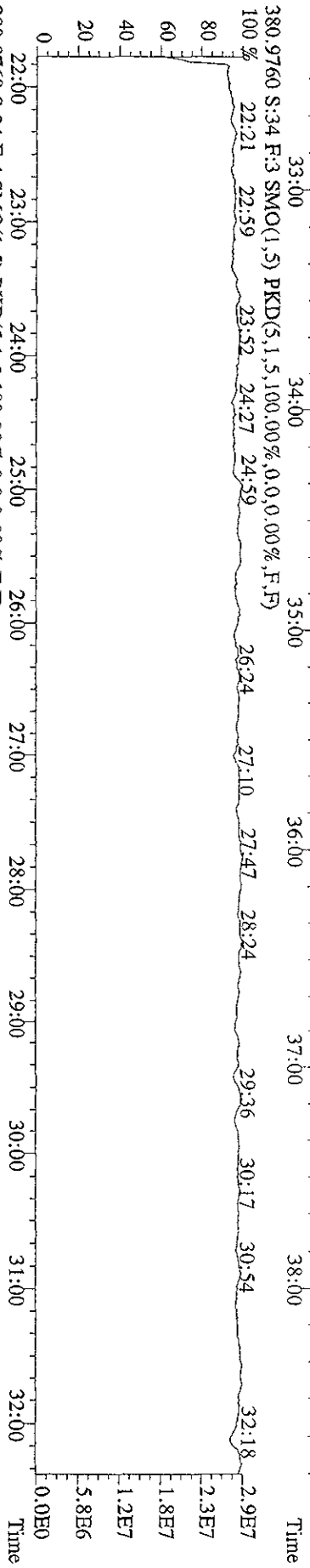
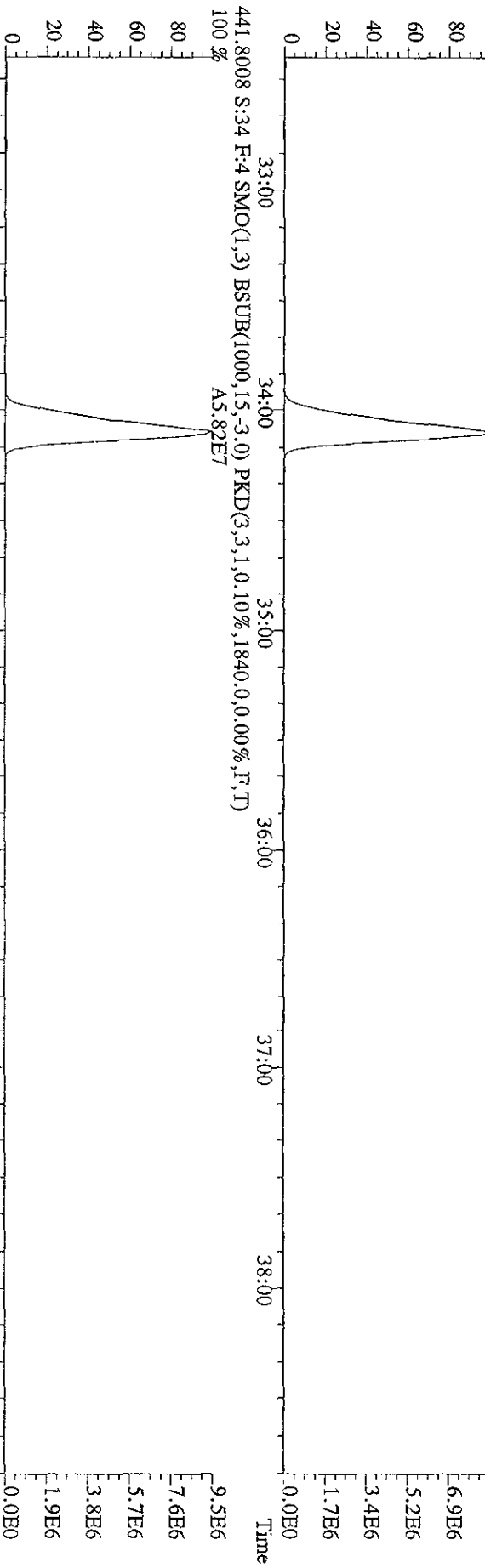


File:09AP09B9D5 #1-597 Acq:10-APR-2009 21:36:39 GC EI+ Voltage SIR Autospec-Ultimate  
Exp:209DB5

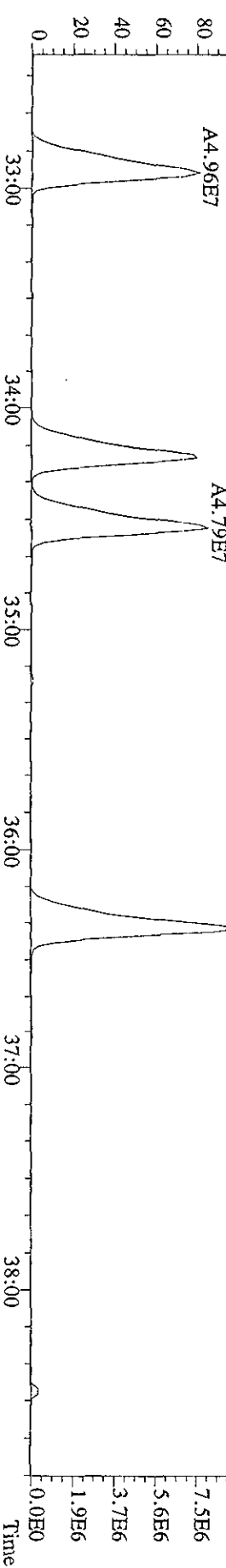
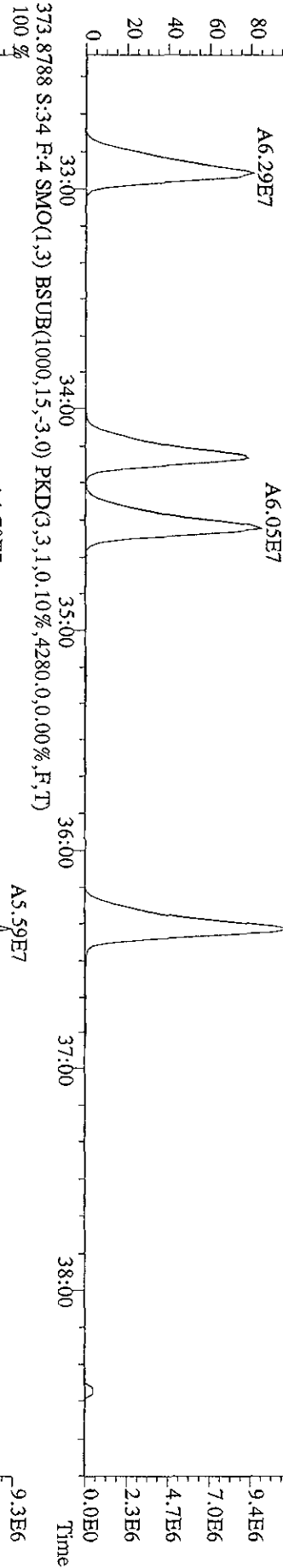
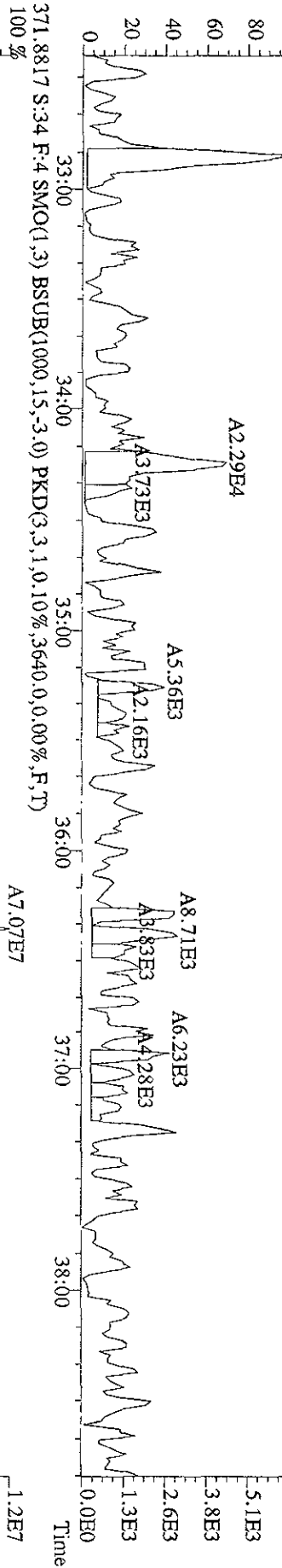
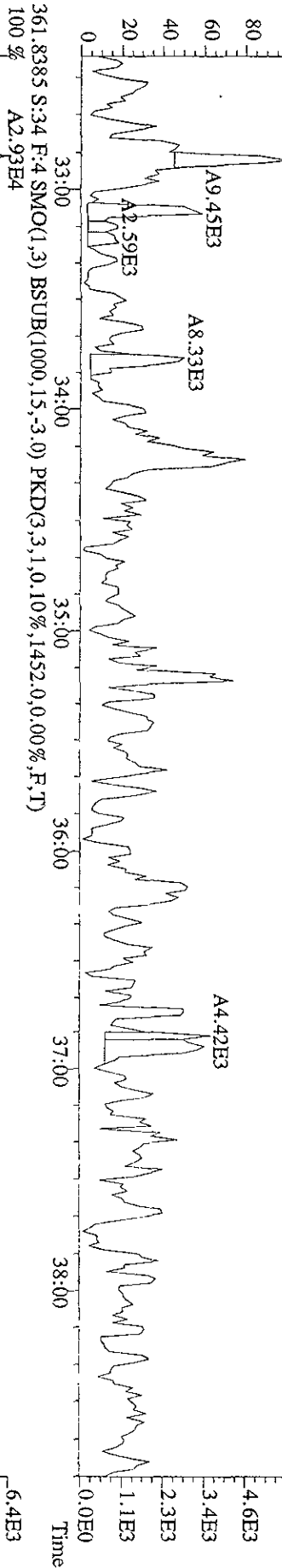
Sample#34 Text:K9DPF-1-AA :G9C310247-4  
323.8834 S:34 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2156,0,0,00%,F,T)



File:09AP09B9D5 #1-393 Acq:10-APR-2009 21:36:39 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#34 Text:K9DPF-1-AA :G9C310247-4 Exp:209DB5  
 439,8038 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1536,0,0.00%,F,T)  
 100% A5.33E7



File:09AP09B9D5 #1-393 Acq:10-APR-2009 21:36:39 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#34 Text:K9DPPF-1-AA :G9C310247-4 Exp:209DB5  
 359,8415 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1864,0,0,00%,F,T)



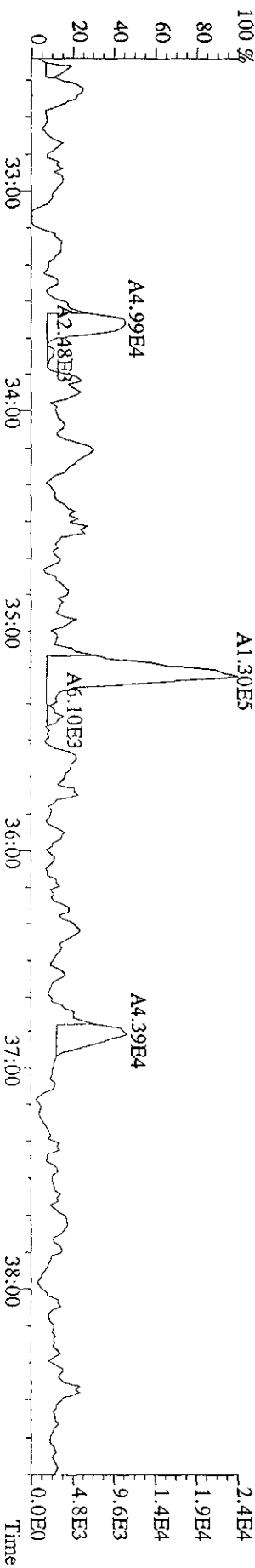
File:09AP09B9D5 #1-393 Acq:10-APR-2009 21:36:39 GC EI+ Voltage SIR Autospec-Ultimate

Sample#34 Text:K9DPP-1-AA :G9C310247-4

Exp:209DB5

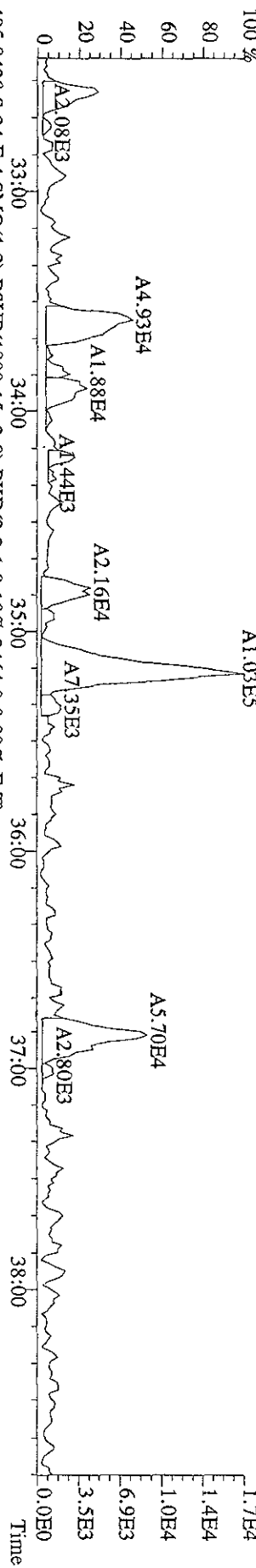
393.8025 S:3.4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,3608,0,0,00%,F,T)

100 %



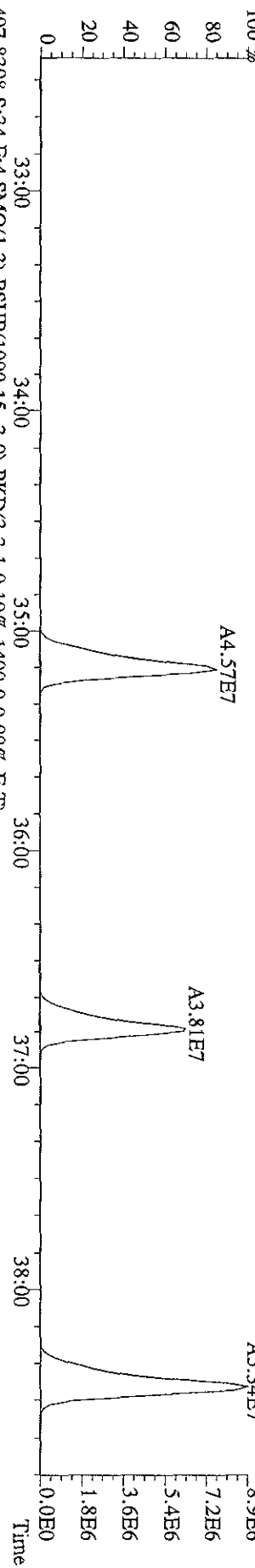
395.7995 S:3.4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,1284,0,0,00%,F,T)

100 %



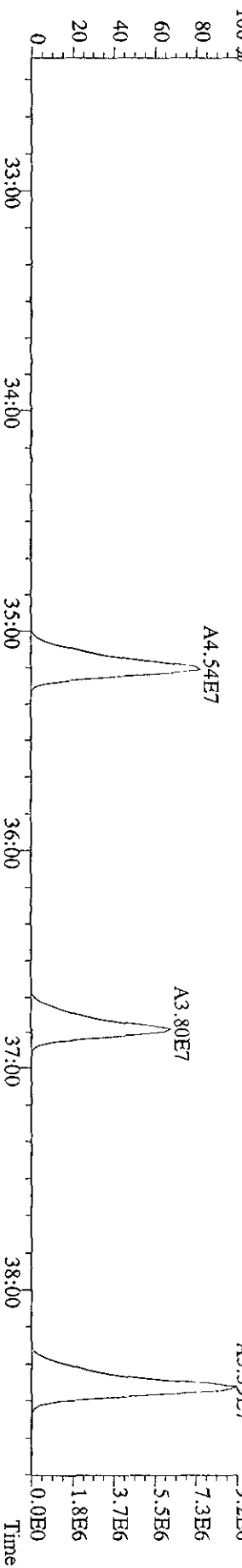
405.8428 S:3.4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,2464,0,0,00%,F,T)

100 %



407.8398 S:3.4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,1400,0,0,00%,F,T)

100 %





RL 100pg (sample)

Run text: K9DPF-1-AA      Sample text: K9DPF-1-AA :G9C310247-4 (5X)  
 Run #10 Filename: 13AP09B9D5 S: 7      I: 1      Results: 13AP09B9D51668MSLSY  
 Acquired: 13-APR-09 18:30:34      Processed: 13-APR-09 19:12:45  
 Run: 13AP09B9D5      Analyte: 1668MSL      Cal: 1668MSL0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.50      Samp

370.4/28/09

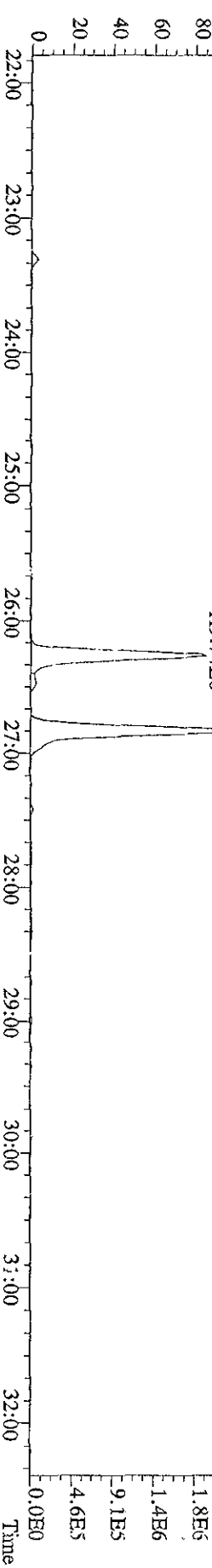
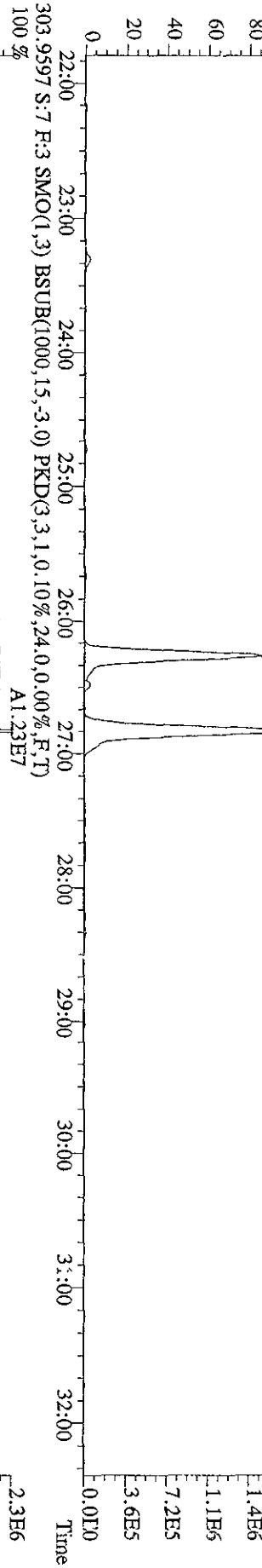
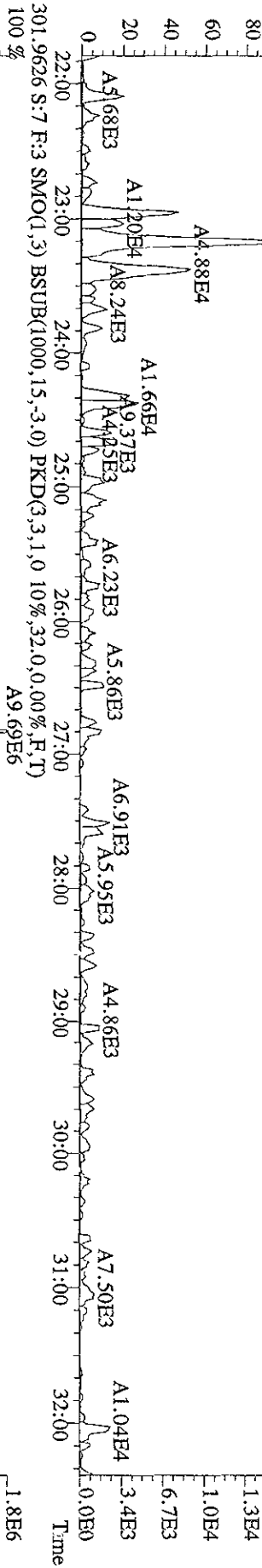
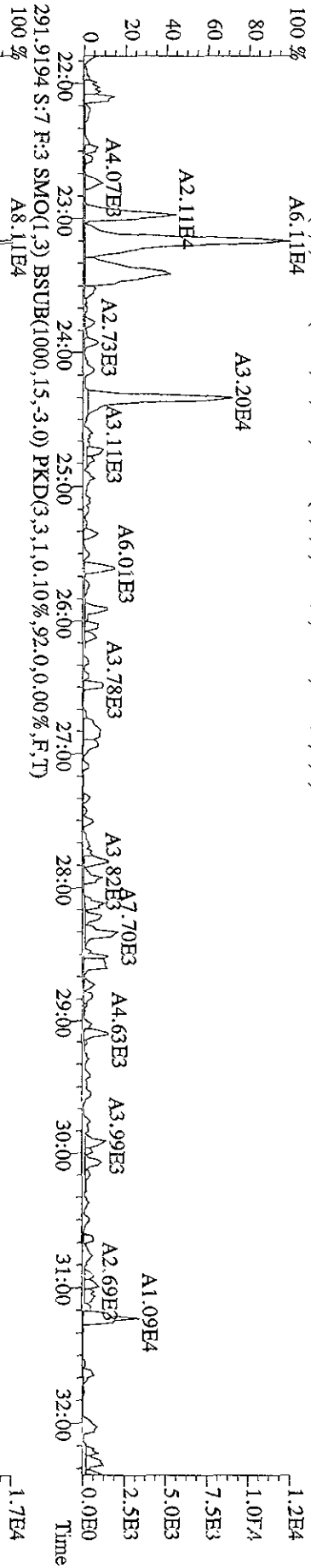
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	24394060	0.65 y	24:44	-	19.95	-	-	n
13C-TCB-81	17428200	0.79 y	26:16	0.95	3016.80	0.11	75.4	n
TCB-81	*	* n	NotFnd	1.28	*	1.03	-	n
13C-TCB-77	21956980	0.79 y	26:49	0.98	3664.88	0.10	91.6	n
TCB-77	13164	1.01 n	26:49	1.10	2.17	1.02	-	n
13C-PeCB-123	22172860	0.67 y	28:12	0.87	4172.02	3.77	104.3	y
PeCB-123	*	* n	NotFnd	1.51	*	1.73	-	n
13C-PeCB-118	26450000	0.64 y	28:20	0.98	4405.25	3.34	110.1	y
PeCB-118/106	80991	0.48 n	28:21	1.53	8.02	1.59	-	n
13C-PeCB-114	26104100	0.67 y	28:59	0.97	4429.51	3.40	110.7	n
PeCB-114	*	* n	NotFnd	1.59	*	1.55	-	n
13C-PeCB-105	25039400	0.67 y	29:52	0.90	4576.05	3.66	114.4	n
PeCB-105/127	35334	0.32 n	29:52	1.42	3.97	1.87	-	n
13C-PeCB-126	2099467	0.60 y	31:45	0.91	377.68	3.61	9.4	n
PeCB-126	*	* n	NotFnd	1.17	*	30.61	-	n
13C-OcCB-202	32578200	0.88 y	34:04	-	25.32	-	-	n
13C-HxCB-167	29529100	1.23 y	32:53	0.84	4308.19	21.42	107.7	n
HxCB-167	*	* n	NotFnd	1.17	*	1.94	-	n
13C-HxCB-156	22127860	1.30 y	34:11	0.67	4053.73	26.89	101.3	n
HxCB-156	8665	1.11 y	34:14	1.45	<del>1.08</del>	2.04	-	n
13C-HxCB-157	25228100	1.32 y	34:30	0.71	4382.28	25.50	109.6	n
HxCB-157	2672	0.28 n	34:33	1.45	<del>0.29</del>	1.88	-	n
13C-HxCB-169	25662900	1.21 y	36:20	0.73	4295.75	24.57	107.4	n
HxCB-169	*	* n	NotFnd	0.99	*	2.98	-	n
13C-HpCB-180	23336000	1.05 y	35:08	0.58	4901.01	9.88	122.5	n
HpCB-180	42883	0.53 n	35:08	1.27	<del>5.81</del>	4.86	-	n
13C-HpCB-170	18749680	1.02 y	36:49	0.47	4852.55	12.18	121.3	n
HpCB-170/190	*	* n	NotFnd	1.61	*	4.84	-	n
13C-HpCB-189	24931600	1.05 y	38:26	0.60	5114.45	9.65	127.9	n
HpCB-189	*	* n	NotFnd	1.21	*	5.11	-	n
13C-PeCB-111	23632620	0.61 y	26:09	1.36	3405.65	3.75	85.1	n

See 1x dilution

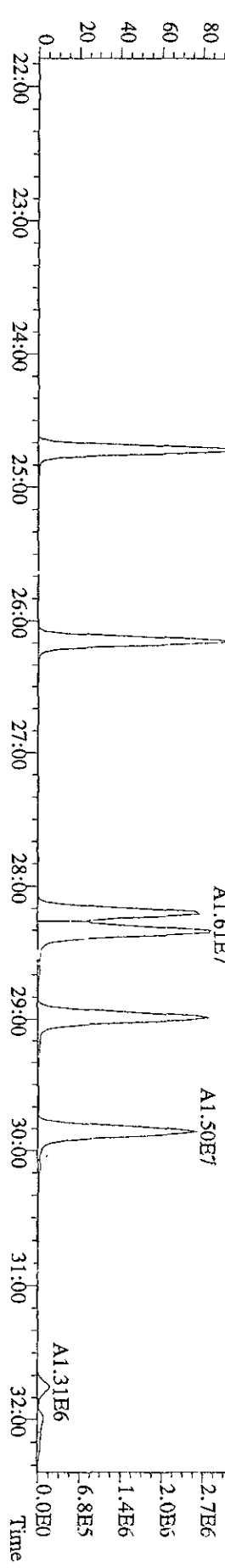
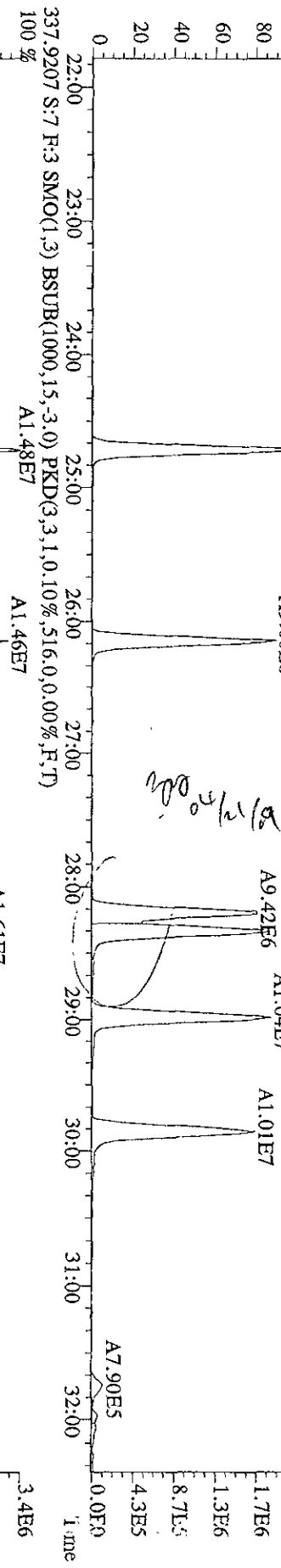
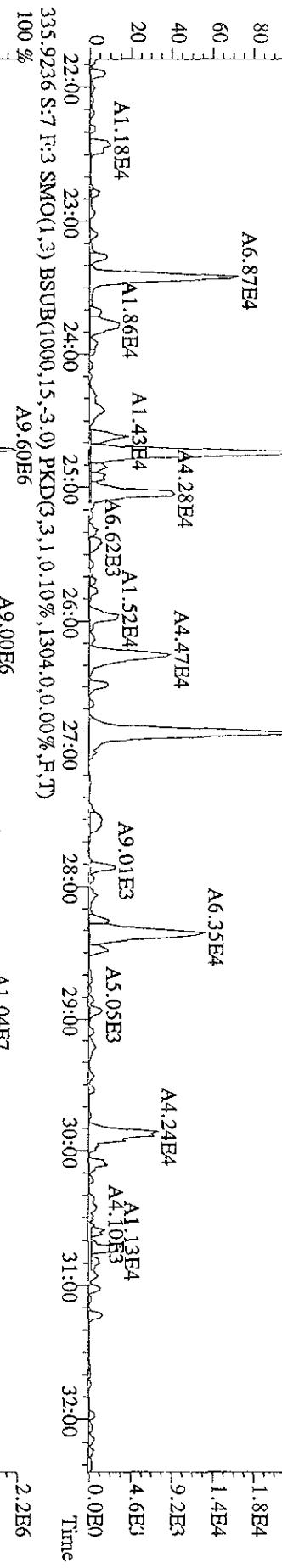
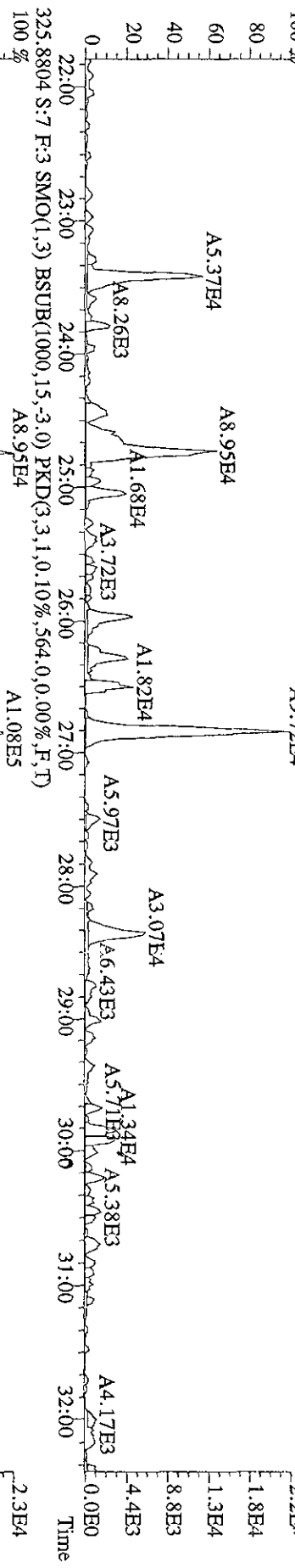
Run text: K9DPF-1-AA Sample text: K9DPF-1-AA :G9C310247-4 (5X)  
 Run #10 Filename: 13AP09B9D5 S: 7 I: 1 Results: 13AP09B9D51668MSL  
 Acquired: 13-APR-09 18:30:34 Processed: 13-APR-09 19:12:45  
 Run: 13AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000Samp

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	24394060	0.65 y	24:44	-	19.95	-	-	n
13C-TCB-81	17428200	0.79 y	26:16	0.95	3016.80	0.11	75.4	n
TCB-81	*	* n	NotFnd	1.28	*	1.03	-	n
13C-TCB-77	21956980	0.79 y	26:49	0.98	3664.88	0.10	91.6	n
TCB-77	13164	1.01 n	26:49	1.10	2.17	1.02	-	n
13C-PeCB-123	21427007	0.71 (n)	28:12	0.87	4031.68	3.77	100.8	n
PeCB-123	*	* n	NotFnd	1.51	*	1.85	-	n
13C-PeCB-118	25900140	0.61 y	28:20	0.98	4313.67	3.34	107.8	n
PeCB-118/106	80991	0.48 n	28:21	1.53	8.19	1.58	-	n
13C-PeCB-114	26104100	0.67 y	28:59	0.97	4429.51	3.40	110.7	n
PeCB-114	*	* n	NotFnd	1.59	*	1.55	-	n
13C-PeCB-105	25039400	0.67 y	29:52	0.90	4576.05	3.66	114.4	n
PeCB-105/127	35334	0.32 n	29:52	1.42	3.97	1.87	-	n
13C-PeCB-126	2099457	0.60 y	31:45	0.91	377.68	3.61	9.4	n
PeCB-126	*	* n	NotFnd	1.17	*	30.61	-	n
13C-OcCB-202	32578200	0.88 y	34:04	-	25.32	-	-	n
13C-HxCB-167	29529100	1.23 y	32:53	0.84	4308.19	21.42	107.7	n
HxCB-167	*	* n	NotFnd	1.17	*	1.94	-	n
13C-HxCB-156	22127860	1.30 y	34:11	0.67	4053.73	26.89	101.3	n
HxCB-156	8665	1.11 y	34:14	1.45	1.08	2.04	-	n
13C-HxCB-157	25228100	1.32 y	34:30	0.71	4382.28	25.50	109.6	n
HxCB-157	2672	0.28 n	34:33	1.45	0.29	1.88	-	n
13C-HxCB-169	25662900	1.21 y	36:20	0.73	4295.75	24.57	107.4	n
HxCB-169	*	* n	NotFnd	0.99	*	2.98	-	n
13C-HpCB-180	23336000	1.05 y	35:08	0.58	4901.01	9.88	122.5	n
HpCB-180	42883	0.53 n	35:08	1.27	5.81	4.86	-	n
13C-HpCB-170	18749680	1.02 y	36:49	0.47	4852.55	12.18	121.3	n
HpCB-170/190	*	* n	NotFnd	1.61	*	4.84	-	n
13C-HpCB-189	24931600	1.05 y	38:26	0.60	5114.45	9.65	127.9	n
HpCB-189	*	* n	NotFnd	1.21	*	5.11	-	n
13C-PeCB-111	23632620	0.61 y	26:09	1.36	3449.52	3.80	86.2	n

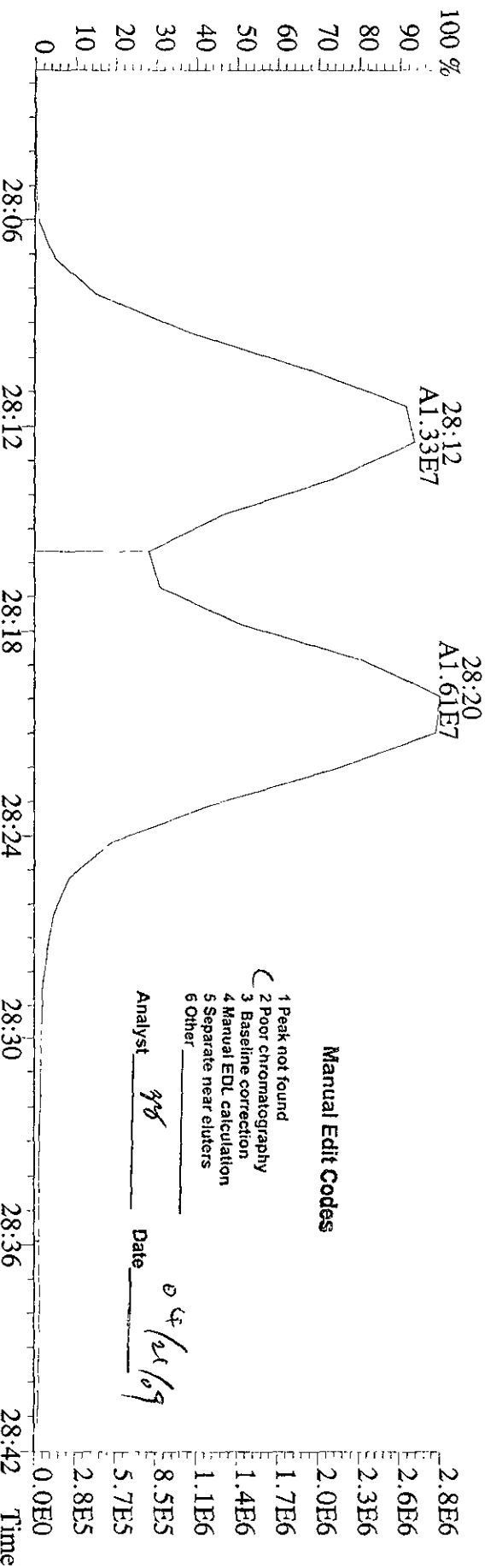
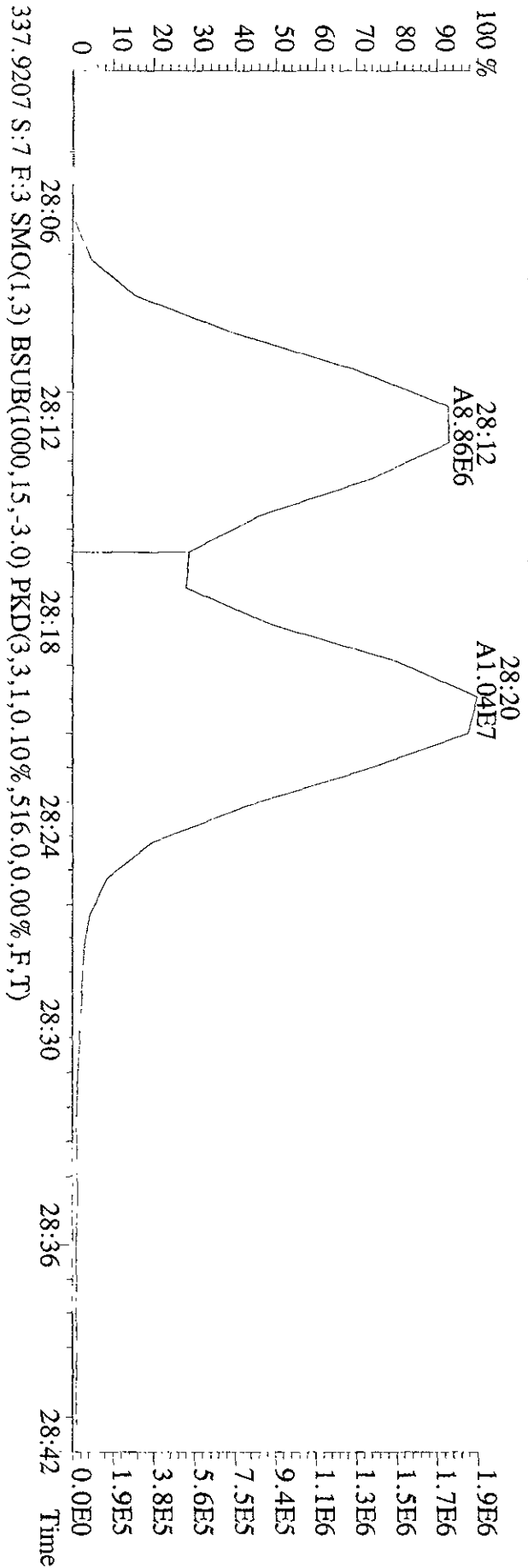
File:13AP09B9D5 #1-597 Acq:13-APR-2009 18:30:34 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:K9DPF-1-AA :G9C310247-4 (SX) Exp:209DB5  
 289.9224 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,368,0,0,00%,F,T)  
 100%



File: 13AP09B9D5 #1-597 Acq: 13-APR-2009 18:30:34 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#7 Text: K9DPPF-1-AA : G9C310247-4 (5X) Exp: 209DB5  
 323.8834 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,584.0,0.00%,F,T)



File: 13AP09B9D5 #1-597 Acq: 13-APR-2009 18:30:34 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text: K9DPPF-1-AA : G9C310247-4 Exp: 209DB5  
 335.9236 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1304,0,0,00%,F,T)

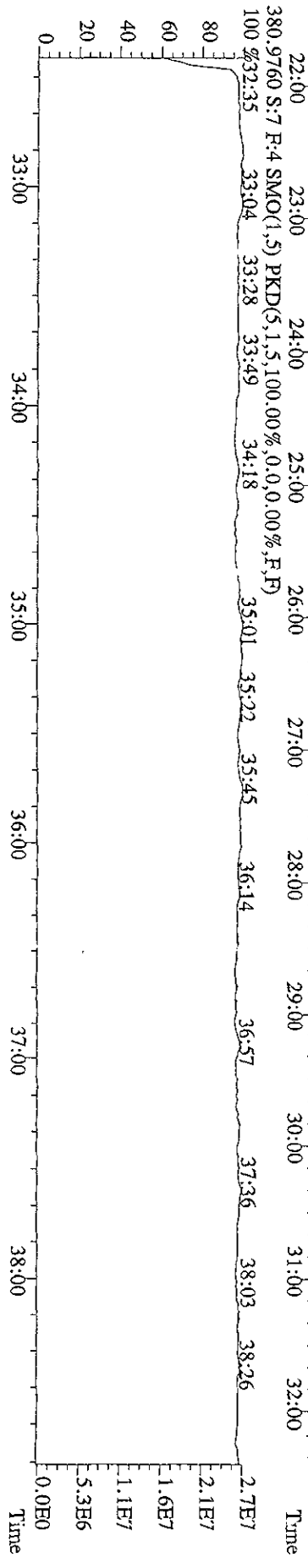
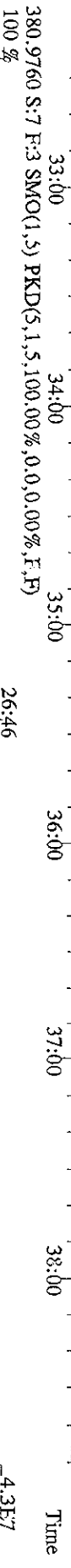
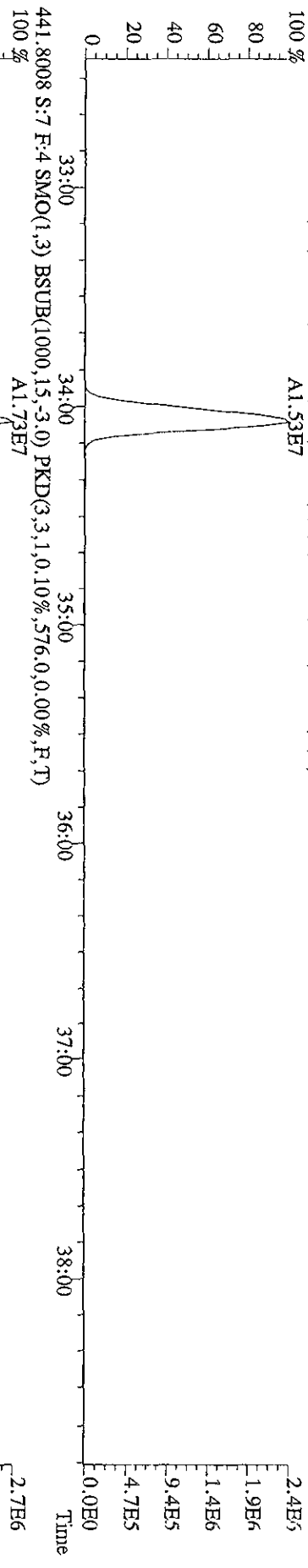


**Manual Edit Codes**

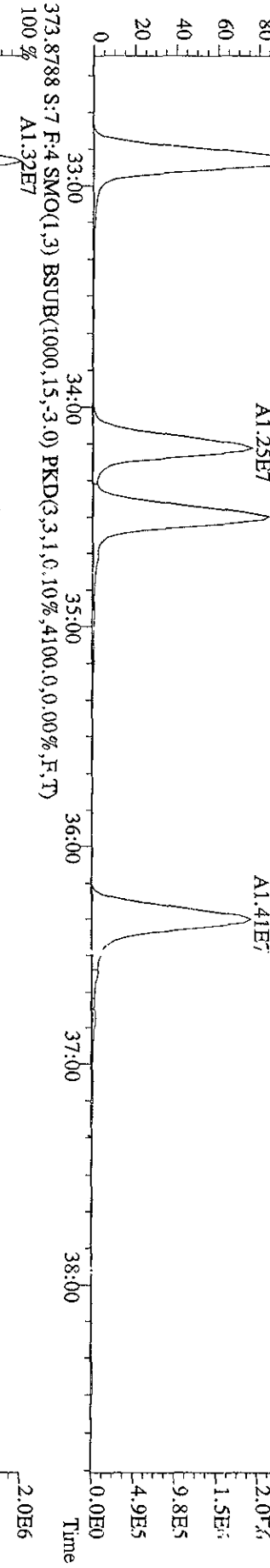
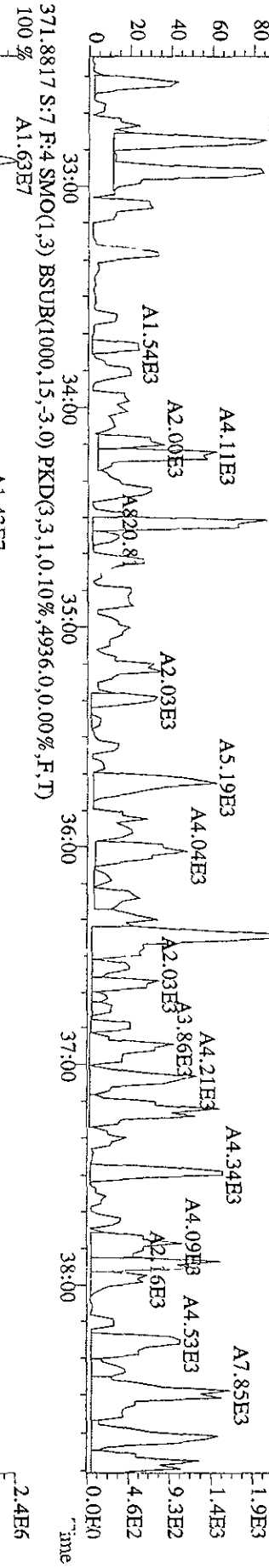
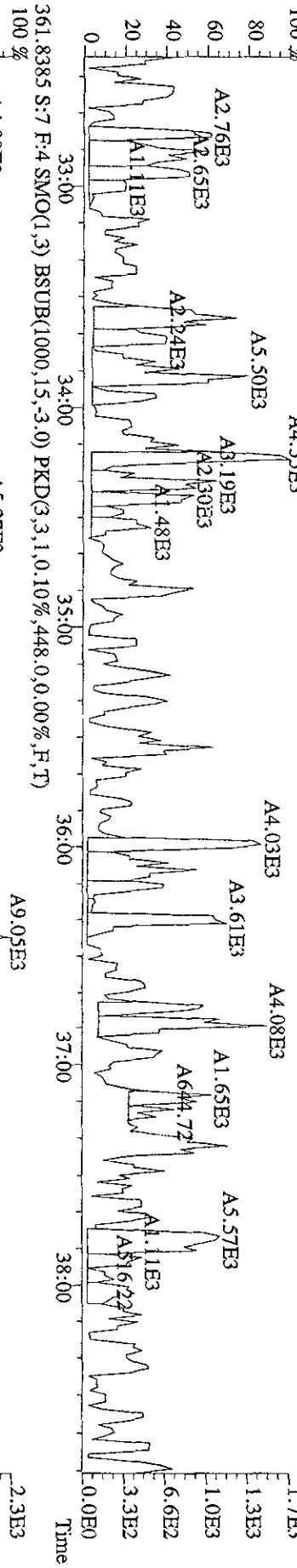
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst gib Date 04/25/09

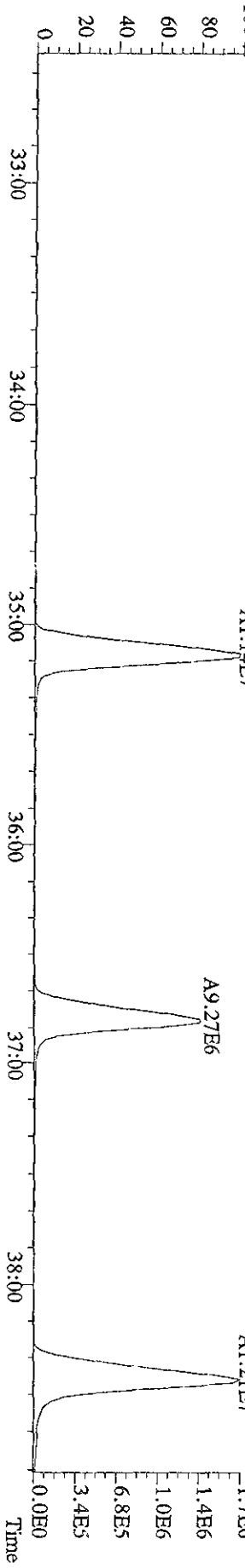
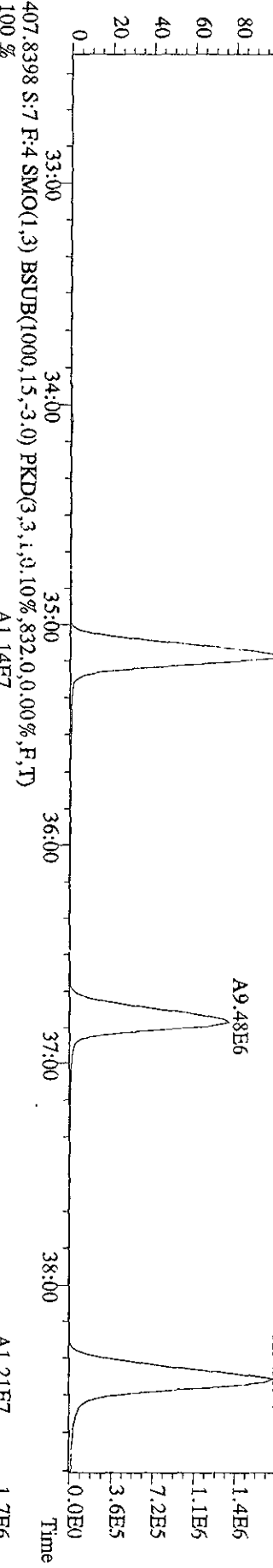
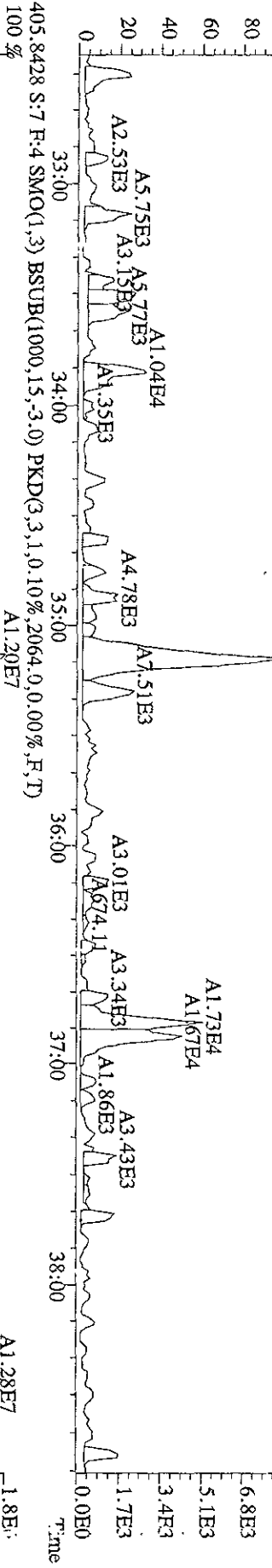
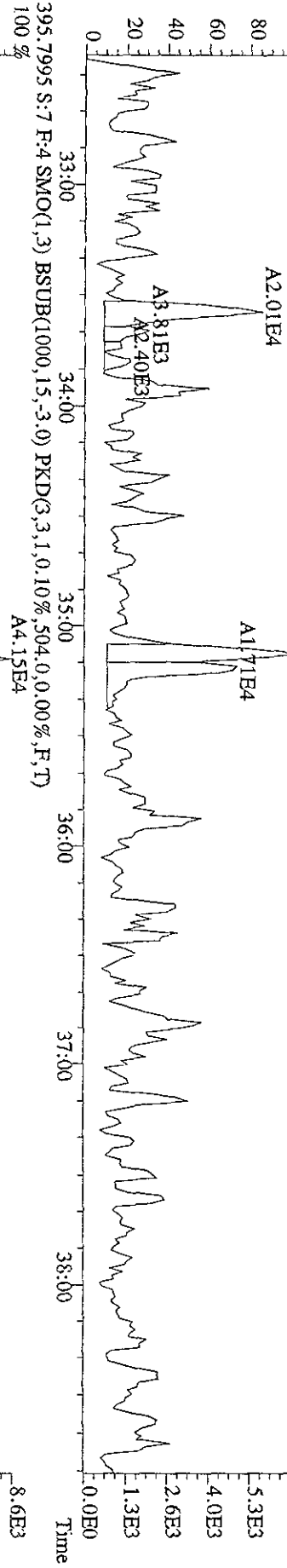
File:13AP09B9D5 #1-393 Acq:13-APR-2009 18:30:34 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:K9DPF-1-AA :G9C310247-4 (SX) Exp:209DB5  
 439.8038 S:7 F:4 SMO(1,3) BSUB(1000,15,3.0) PKD(3,3,1,0.10%,40.0,0.00%,F,T)  
 A1.53E7



File:13ADP09B9D5 #1-393 Acq:13-APR-2009 18:30:34 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#7 Text:K9DPP-1-AA :G9C310247-4 (SX) Exp:209DB5  
 359.8415 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,548,0,0,00%,F,T)  
 100%



File:13AP09B9D5 #1-393 Acq:13-APR-2009 18:30:34 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:K9DPF-1-AA :G9C310247.4 (SX) Exp:209DB5  
 393.8025 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1644,0,0.00%,F,T)  
 100%





Method ID 1668M (short list)

Associated ICAL 1668MSL015099DS

Column ID DB-5

Instrument ID 9DS

STD ID 5T0409C

STD Solution 09DXNO16

Analyzed by KRS/AM

Date Analyzed 4/10/09

Std. Pkg. By KRS/AM

Date Std. Pkg. Assembled 4/13/09

Std. Pkg. Reviewed By SMA

Date Std. Pkg. Reviewed 4/13/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\* **Method 1668A(PCBs):** ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

**Method 1614 (DBDs/DBFs):** ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* **Method 1668A (PCBs):** resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

**Method 1614 (DBDs/DBFs):** a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0409C File text: ST0409C :CS3 09DXN016  
 Run #10 Filename 09AP09B9D5 S: 21 I: 1  
 Acquired: 10-APR-09 10:28:44 Processed: 10-APR-09 16:38:04  
 Run: 09AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5 Results: 09AP09B9D51668MSL

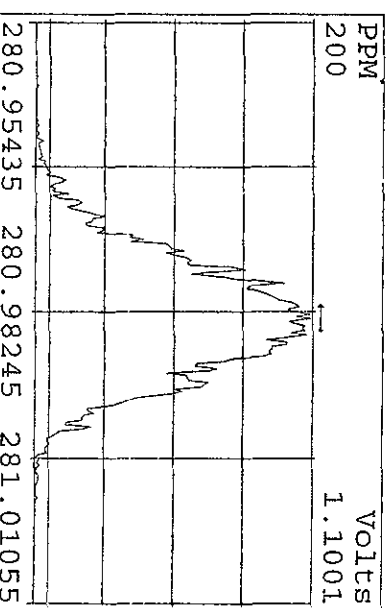
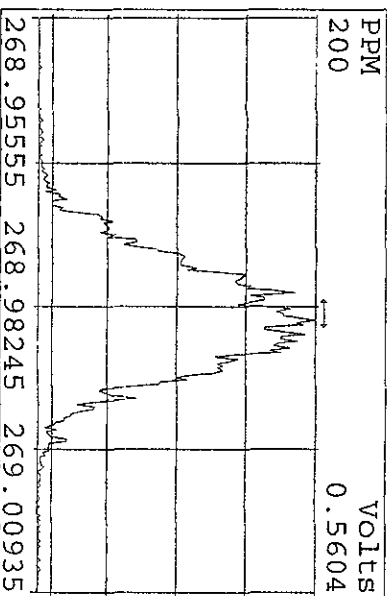
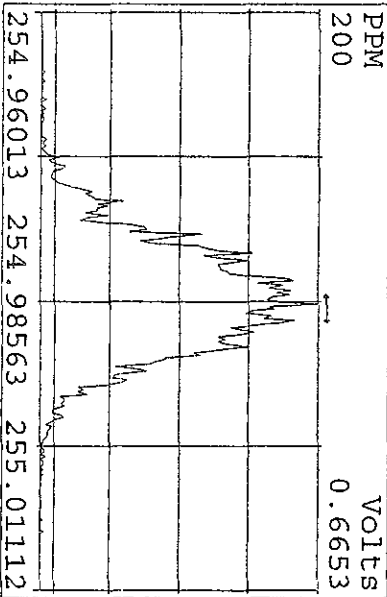
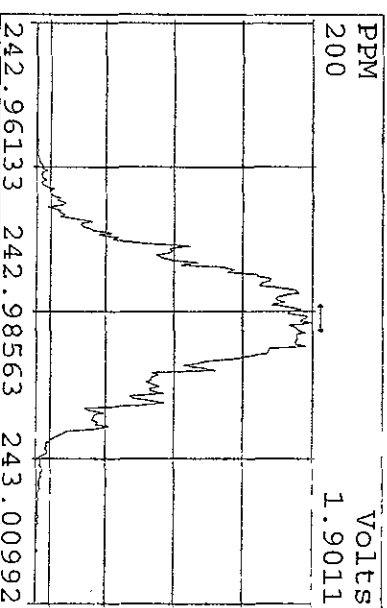
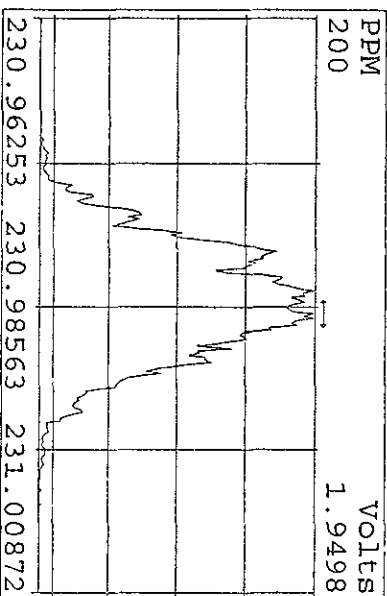
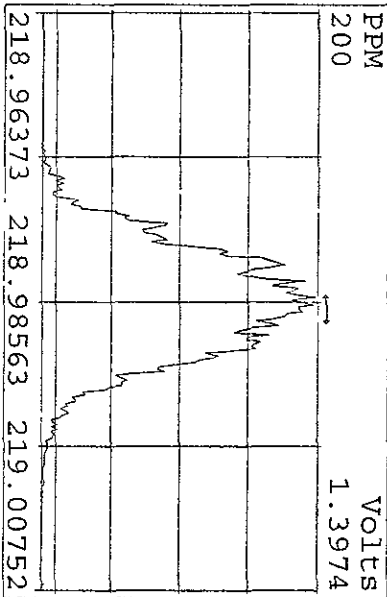
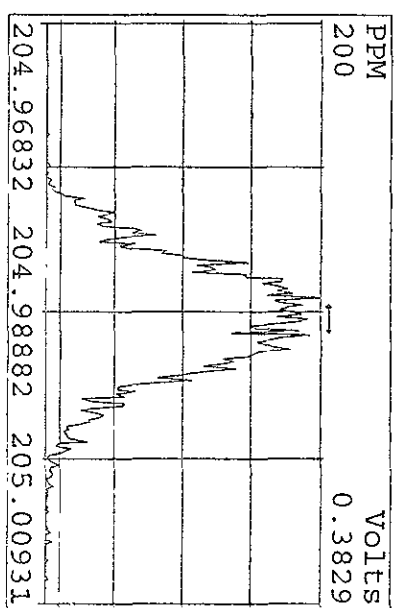
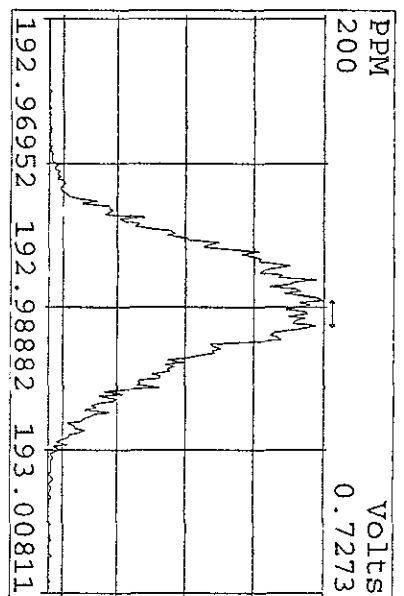
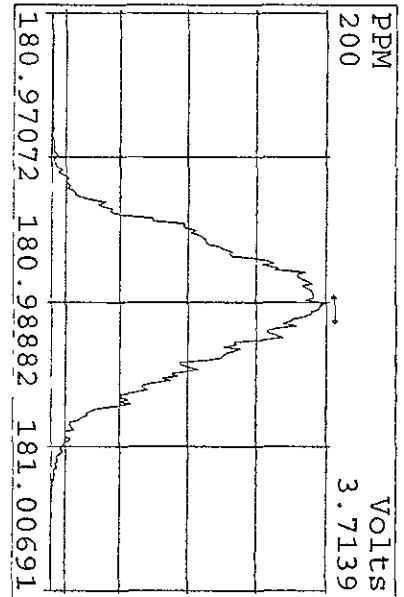
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	92917000	0.64 y	24:43	-	100.00	-	n
13C-TCB-81	108428700	0.79 y	26:16	1.17	100.00	23.2	n
TCB-81	73127100	0.78 y	26:17	1.35	50.00	5.5	n
13C-TCB-77	113563900	0.79 y	26:50	1.22	100.00	24.4	n
TCB-77	69018600	0.76 y	26:51	1.22	50.00	10.2	n
13C-PeCB-123	93938000	0.64 y	28:12	1.01	100.00	16.0	n
PeCB-123	76183200	0.58 y	28:13	1.62	50.00	7.5	n
13C-PeCB-118	93577800	0.64 y	28:20	1.01	100.00	2.3	n
PeCB-118/106	78063900	0.58 y	28:21	1.67	50.00	9.2	n
13C-PeCB-114	99076900	0.65 y	28:59	1.07	100.00	10.3	n
PeCB-114	85646000	0.58 y	29:00	1.73	50.00	9.0	n
13C-PeCB-105	93372300	0.65 y	29:51	1.00	100.00	12.0	n
PeCB-105/127	71075500	0.58 y	29:52	1.52	50.00	7.0	n
13C-PeCB-126	117893200	0.65 y	31:44	1.27	100.00	39.2	n
PeCB-126	75076100	0.59 y	31:45	1.27	50.00	8.6	n
13C-OcCB-202	140456000	0.87 y	34:03	-	100.00	-	n
13C-HxCB-167	132176600	1.24 y	32:52	0.94	100.00	11.8	n
HxCB-167	74142500	1.23 y	32:52	1.12	50.00	-4.0	y
13C-HxCB-156	111058900	1.26 y	34:10	0.79	100.00	18.0	n
HxCB-156	81727600	1.25 y	34:11	1.47	50.00	1.3	n
13C-HxCB-157	118499600	1.25 y	34:29	0.84	100.00	19.4	n
HxCB-157	84563500	1.22 y	34:30	1.43	50.00	-1.3	n
13C-HxCB-169	126687800	1.26 y	36:18	0.90	100.00	23.0	n
HxCB-169	65499900	1.25 y	36:19	1.03	50.00	4.5	n
13C-HpCB-180	96867000	1.01 y	35:08	0.69	100.00	18.0	n
HpCB-180	61500000	1.08 y	35:09	1.27	50.00	0.4	n
13C-HpCB-170	74527600	1.03 y	36:46	0.53	100.00	11.8	n
HpCB-170/190	59379800	1.06 y	36:48	1.59	50.00	-0.8	n
13C-HpCB-189	102994600	1.02 y	38:23	0.73	100.00	22.5	n
HpCB-189	64992200	1.08 y	38:24	1.26	50.00	4.6	n
13C-PeCB-111	120221400	0.65 y	26:09	1.21	100.00	-11.4	n

Run text: ST0409C File text: ST0409C :CS3 09DXN016  
 Run #10 Filename 09AP09B9D5 S: 21 I: 1  
 Acquired: 10-APR-09 10:28:44 Processed: 10-APR-09 16:38:04  
 Run: 09AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5 Results: 09AP09B9D51668MSL

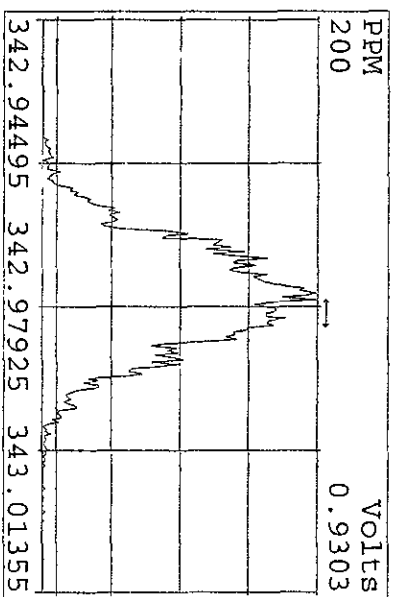
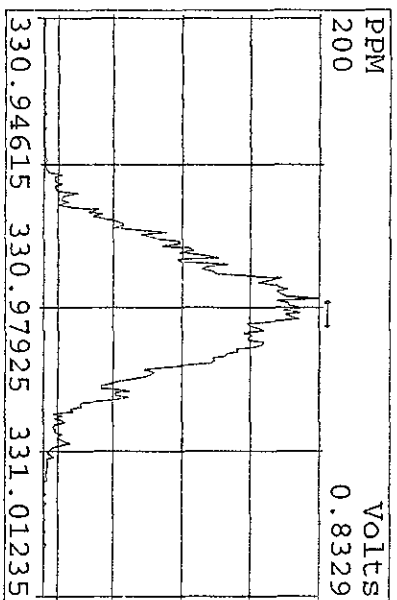
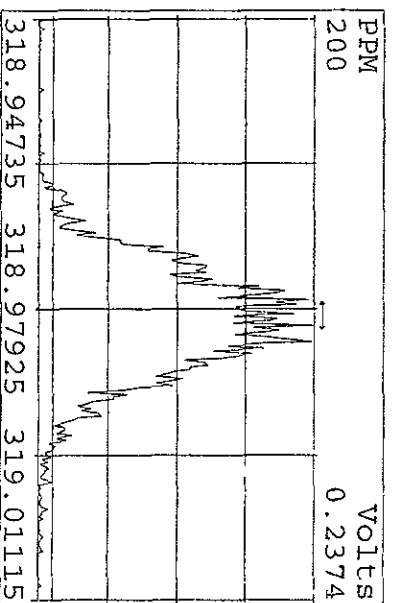
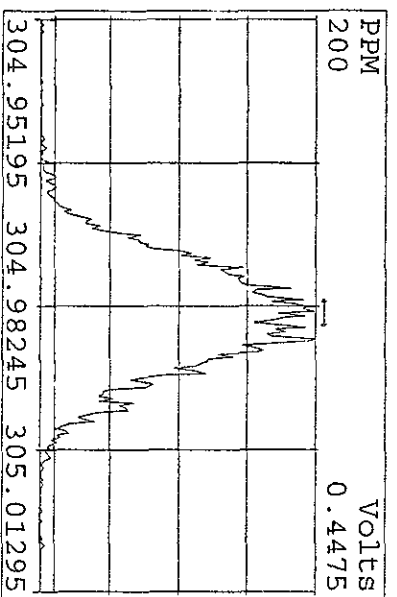
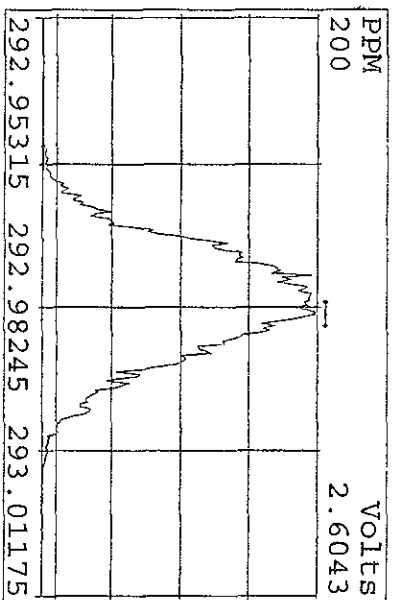
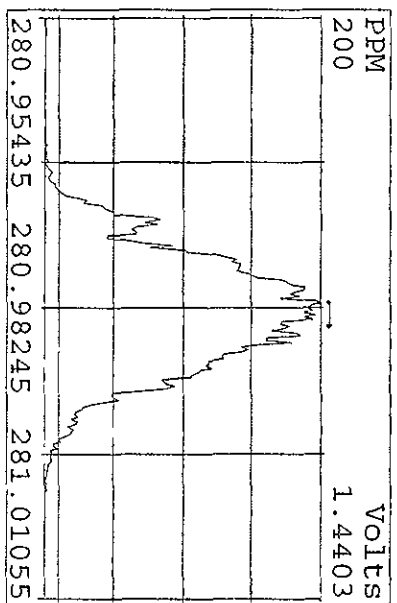
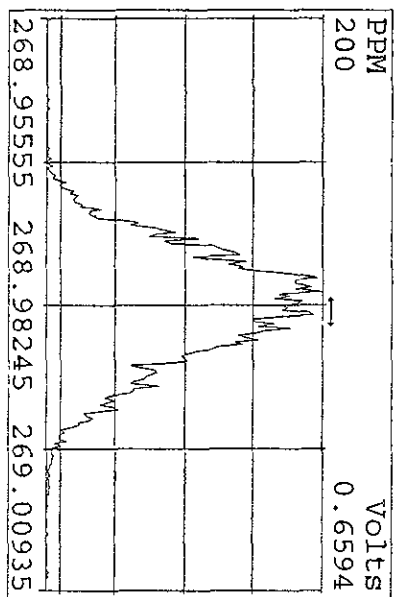
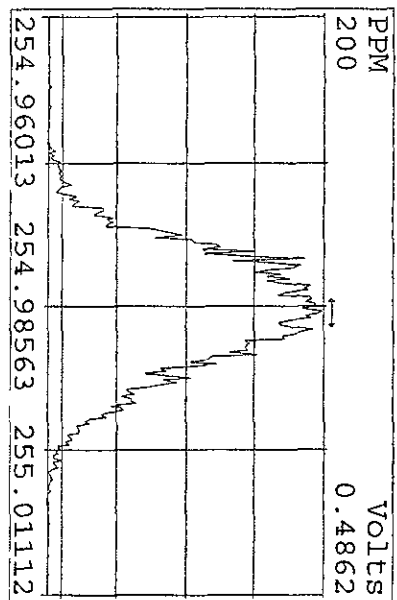
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	92917000	0.64 y	24:43	-	100.00	-	n
13C-TCB-81	108428700	0.79 y	26:16	1.17	100.00	23.2	n
TCB-81	73127100	0.78 y	26:17	1.35	50.00	5.5	n
13C-TCB-77	113563900	0.79 y	26:50	1.22	100.00	24.4	n
TCB-77	69018600	0.76 y	26:51	1.22	50.00	10.2	n
13C-PeCB-123	93938000	0.64 y	28:12	1.01	100.00	16.0	n
PeCB-123	76183200	0.58 y	28:13	1.62	50.00	7.5	n
13C-PeCB-118	93577800	0.64 y	28:20	1.01	100.00	2.3	n
PeCB-118/106	78063900	0.58 y	28:21	1.67	50.00	9.2	n
13C-PeCB-114	99076900	0.65 y	28:59	1.07	100.00	10.3	n
PeCB-114	85646000	0.58 y	29:00	1.73	50.00	9.0	n
13C-PeCB-105	93372300	0.65 y	29:51	1.00	100.00	12.0	n
PeCB-105/127	71075500	0.58 y	29:52	1.52	50.00	7.0	n
13C-PeCB-126	117893200	0.65 y	31:44	1.27	100.00	39.2	n
PeCB-126	75076100	0.59 y	31:45	1.27	50.00	8.6	n
13C-OcCB-202	140456000	0.87 y	34:03	-	100.00	-	n
13C-HxCB-167	132176600	1.24 y	32:52	0.94	100.00	11.8	n
HxCB-167	139894900	1.22 y	32:52	2.12	50.00	81.1	n
13C-HxCB-156	111058900	1.26 y	34:10	0.79	100.00	18.0	n
HxCB-156	81727600	1.25 y	34:11	1.47	50.00	1.3	n
13C-HxCB-157	118499600	1.25 y	34:29	0.84	100.00	19.4	n
HxCB-157	84563500	1.22 y	34:30	1.43	50.00	-1.3	n
13C-HxCB-169	126687800	1.26 y	36:18	0.90	100.00	23.0	n
HxCB-169	65499900	1.25 y	36:19	1.03	50.00	4.5	n
13C-HpCB-180	96867000	1.01 y	35:08	0.69	100.00	18.0	n
HpCB-180	61500000	1.08 y	35:09	1.27	50.00	0.4	n
13C-HpCB-170	74527600	1.03 y	36:46	0.53	100.00	11.8	n
HpCB-170/190	59379800	1.06 y	36:48	1.59	50.00	-0.8	n
13C-HpCB-189	102994600	1.02 y	38:23	0.73	100.00	22.5	n
HpCB-189	64992200	1.08 y	38:24	1.26	50.00	4.6	n
13C-PeCB-111	120221400	0.65 y	26:09	1.21	100.00	-11.4	n

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09AP09B9D5	3	SB0409	Solvent Blank C-12				1.00000	
09AP09B9D5	4	K9HET-1-AA	G9D020000-393B	20	1668/SOLID	20	1.00000	g
09AP09B9D5	5	K9HET-1-AC	G9D020000-393C	20	1668/SOLID		1.00000	g
09AP09B9D5	6	K87TV-1-AC	G9C260308-1	20	1668/SOLID		1.02000	g
09AP09B9D5	7	K87TV-1-AD	G9C260308-1X	20	1668/SOLID		1.00000	g
09AP09B9D5	8	K9PAA-1-AAB	G9D030302-1MB	20	1668/SOLID	22	2.00000	g
09AP09B9D5	9	K9PAA-1-ACC	G9D030302-1LCS	20	1668/SOLID		2.00000	g
09AP09B9D5	10	K9K25-1-AE	G9D030302-1	20	1668/SOLID		2.00000	g
09AP09B9D5	11	K9K25-1-AKS	G9D030302-1MS	20	1668/SOLID		2.12000	g
09AP09B9D5	12	K9K25-1-ALD	G9D030302-1SD	20	1668/SOLID		2.09000	g
09AP09B9D5	13	K9G0F-1-AA	G9D020000-291B	20	1668/AIR	20	0.33330	Sam
09AP09B9D5	14	K9G0F-1-AC	G9D020000-291C	20	1668/AIR		0.33330	Sam
09AP09B9D5	15	K9AXM-1-AD	G9C300124-1	20	1668/AIR		0.33330	Sam
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09AP09B9D5	17	QC-SEP	SEP QC 040809	20	1668	22	1.00000	
09AP09B9D5	18	QC-SEPCAP	SEPCAP QC 040809	20	1668		1.00000	
09AP09B9D5	19	QC-DCMPUMP	DCMPUMP QC 040809	20	1668		1.00000	
09AP09B9D5	20	SB0409B	Solvent Blank C-12				1.00000	
09AP09B9D5	21	ST0409C	CS3 09DXN016				1.00000	
09AP09B9D5	22	QC0409d	Rotovap 3	20	1668	22	1.00000	
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09AP09B9D5	26	K9G4G-1-AD	G9D020000-321L	40	1668/AIR		0.50000	Sam
09AP09B9D5	27	K896R-1-AC	G9C280196-1	40	1668/AIR		0.50000	Sam
09AP09B9D5	28	K896T-1-AC	G9C280196-2	40	1668/AIR		0.50000	Sam
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09AP09B9D5	33	K9DPC-1-AA	G9C310247-3	20	1668/AIR		0.50000	Sam
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09AP09B9D5	37	CAP-QC	CAP QC 041009	20	1668	23	1.00000	
09AP09B9D5	38	REDCAP-QC	RED CAP QC 041009	20	1668		1.00000	
09AP09B9D5	39	GLASSCAP-QC	GLASS CAP QC 041009	20	1668		1.00000	
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09AP09B9D5	41	ST0409D	CS3 09DXN016				1.00000	
09AP09B9D5	42	SB0409F	Solvent Blank C-12				1.00000	
09AP09B9D5	43	PCBMDL-S-MB	PCB MDL Solid MB	20	1668/SOLID	23	10.00000	g
09AP09B9D5	44	PCBMDL-S-LCS1	PCB MDL Solid LCS1	20	1668/SOLID		10.00000	g
09AP09B9D5	45	PCBMDL-S-LCS2	PCB MDL Solid LCS2	20	1668/SOLID		10.00000	g
09AP09B9D5	46	PCBMDL-3-LCS3	PCB MDL Solid LCS3	20	1668/SOLID		10.00000	g
09AP09B9D5	47	PCBMDL-S-LCS4	PCB MDL Solid LCS4	20	1668/SOLID		10.00000	g
09AP09B9D5	48	PCBMDL-S-LCS5	PCB MDL Solid LCS5	20	1668/SOLID		10.00000	g
09AP09B9D5	49	PCBMDL-S-LCS6	PCB MDL Solid LCS6	20	1668/SOLID		10.00000	g
09AP09B9D5	50	PCBMDL-S-LCS7	PCB MDL Solid LCS7	20	1668/SOLID		10.00000	g
09AP09B9D5	51	PCBMDL-S-CHK	PCB MDL Solid CHK	20	1668/SOLID		10.00000	g
09AP09B9D5	52						1.00000	
09AP09B9D5	53		AM, KAS 04-09-09				1.00000	

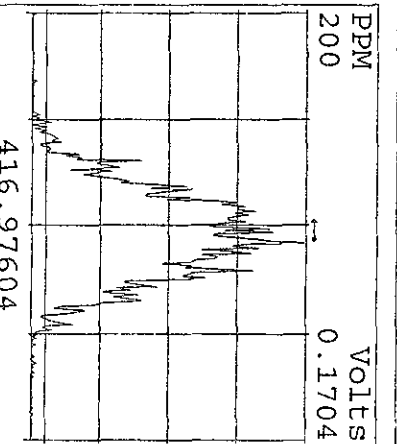
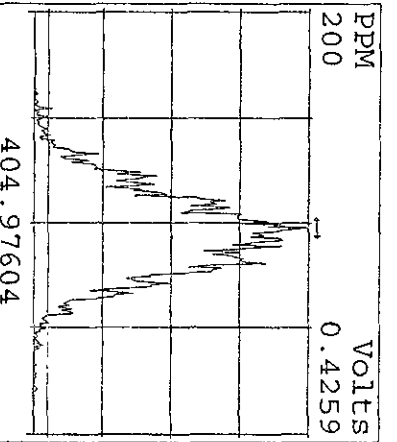
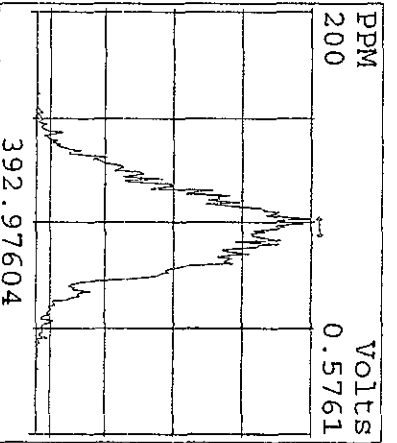
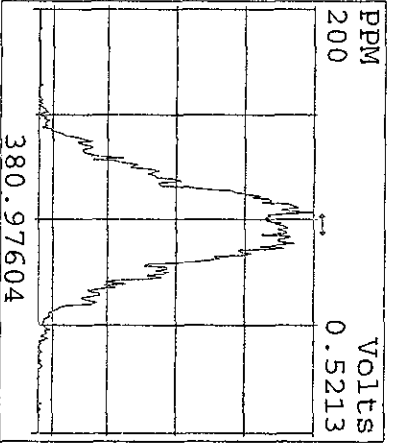
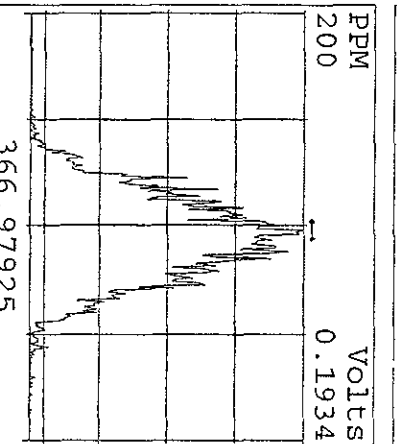
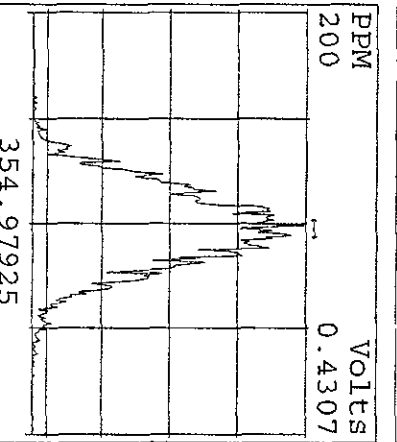
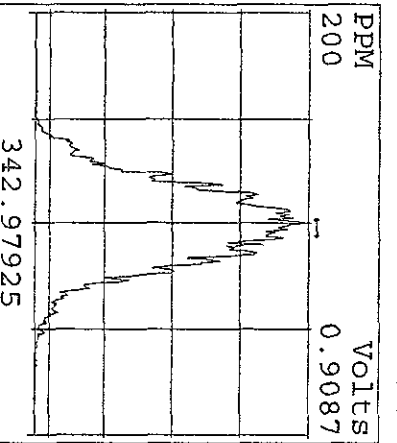
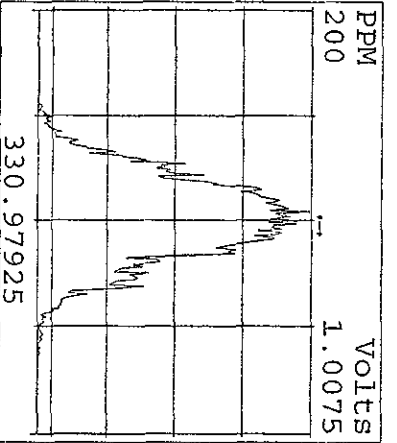
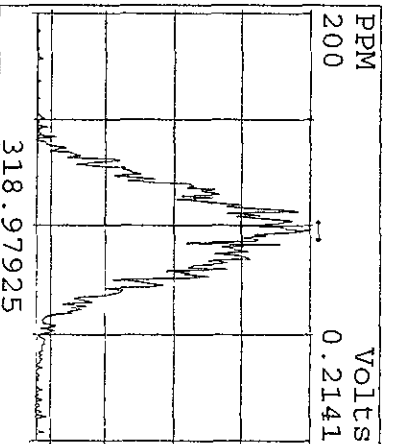
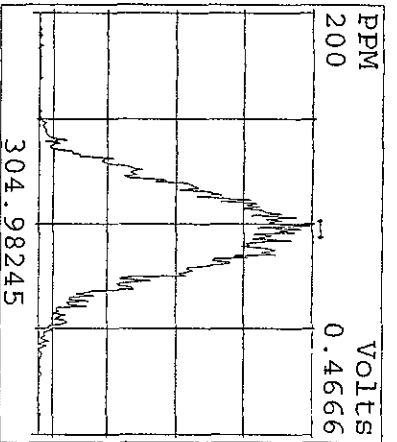
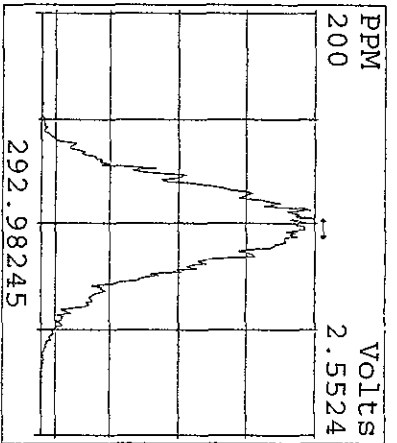
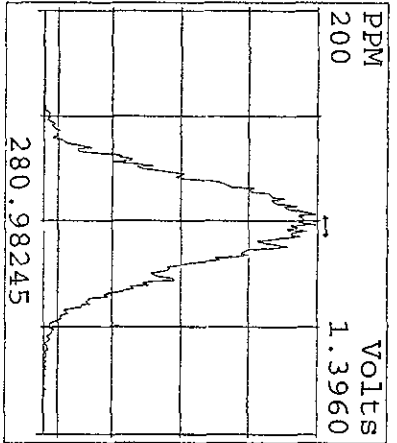
Peak Locate Examination: 9-APR-2009:17:15 File:09AP09B9D5  
 Experiment:209DB5 Function:1 Reference:PRK



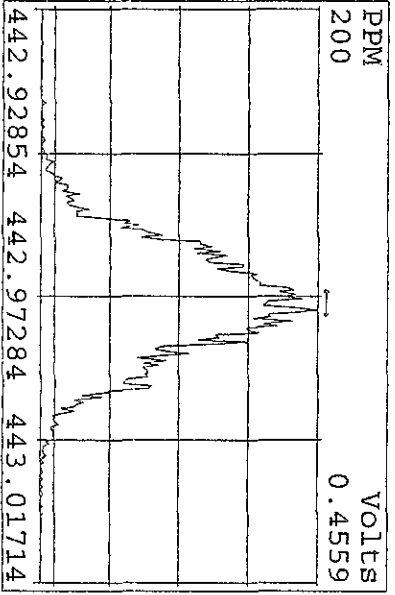
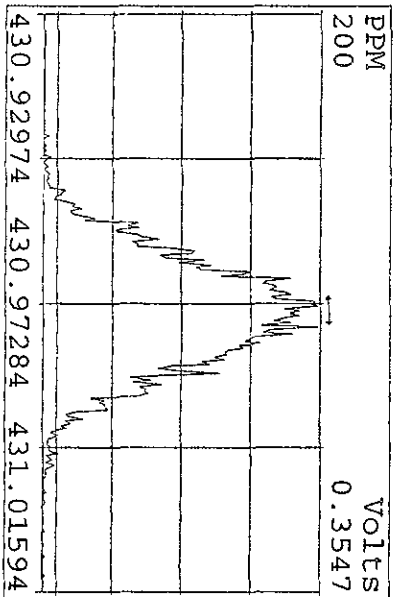
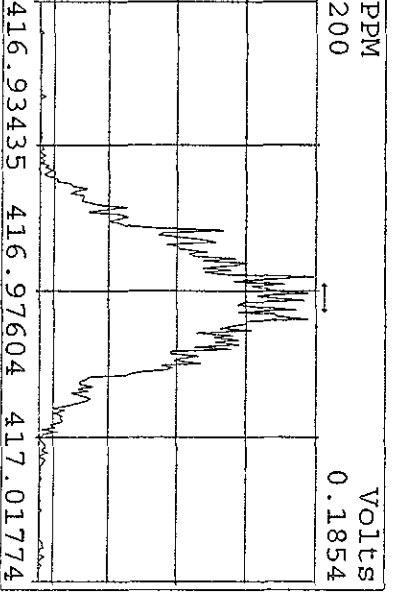
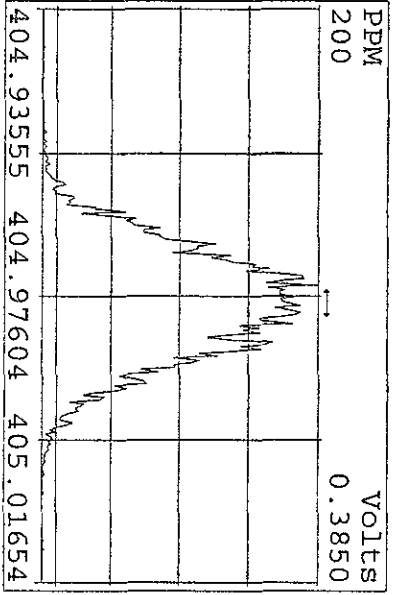
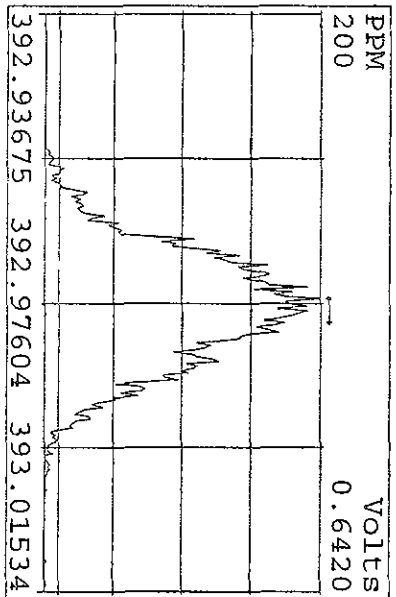
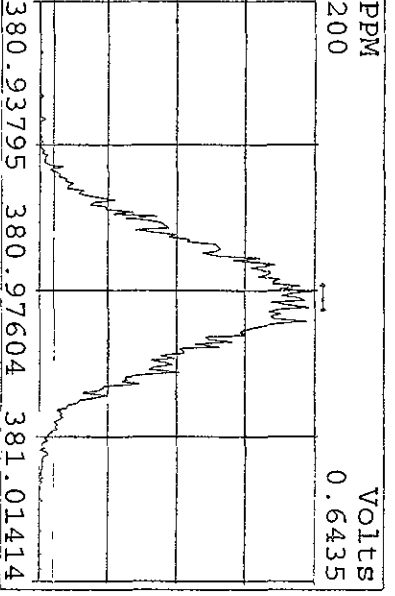
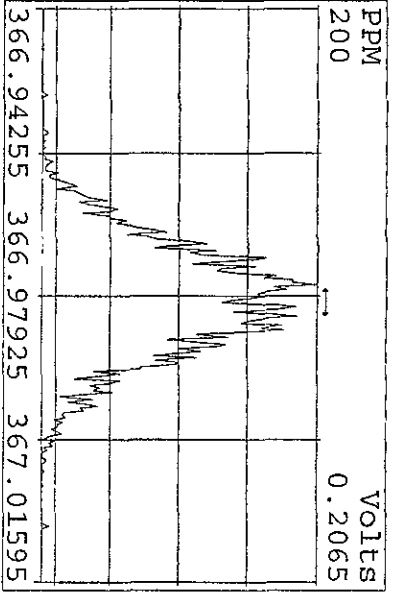
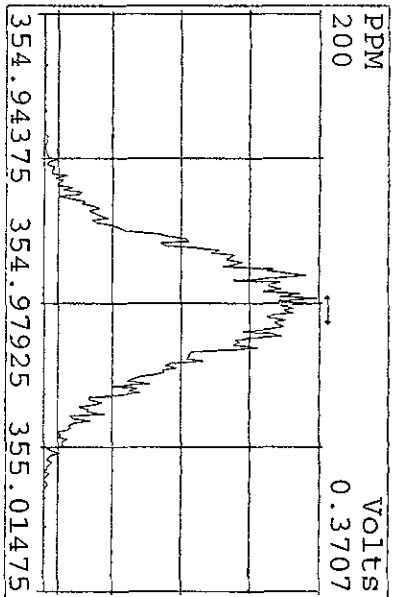
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 Experiment:209DB5 Function:2 Reference:PFK



Peak Locate Examination: 9-APR-2009:17:17 File:09AP09B9D5  
Experiment:209DB5 Function:3 Reference:PKK

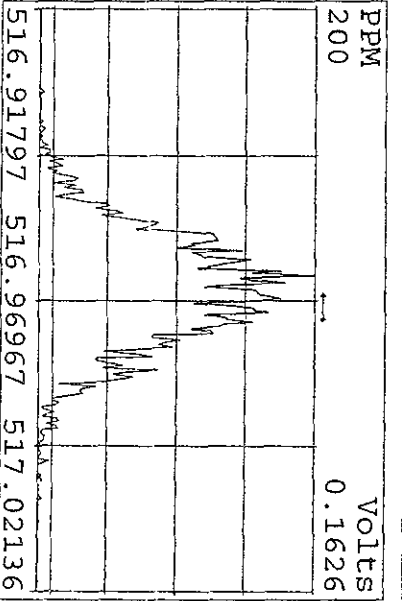
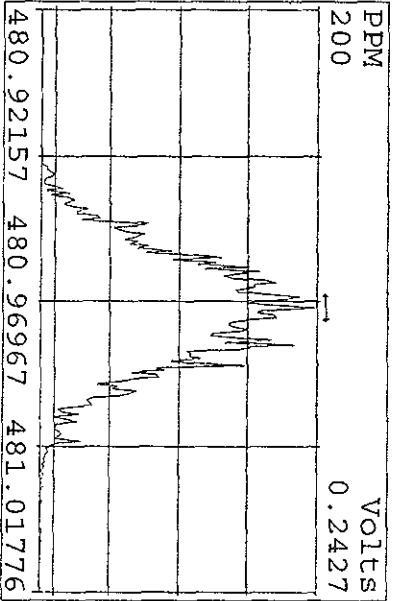
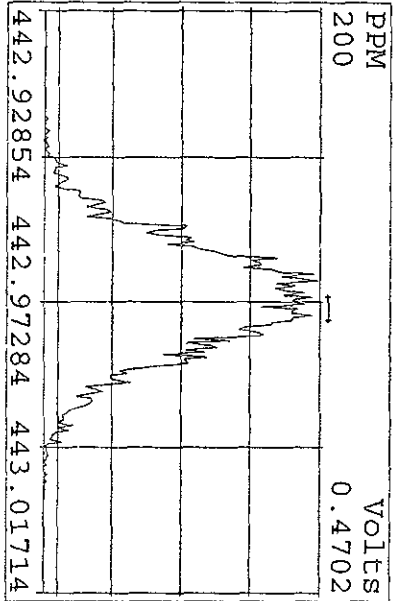
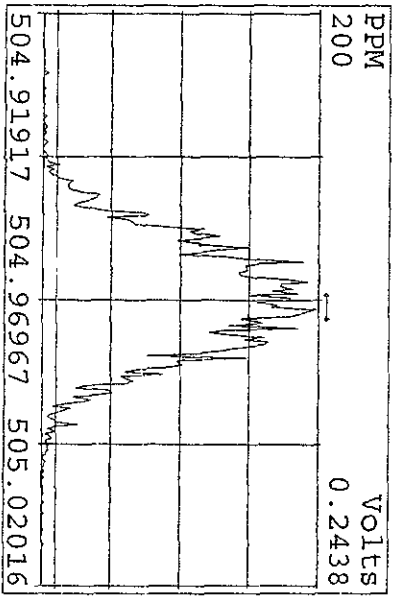
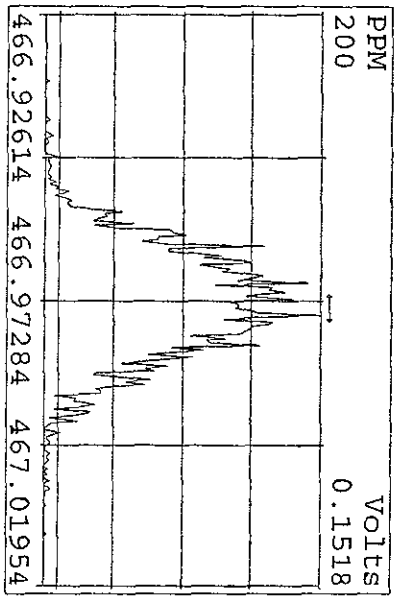
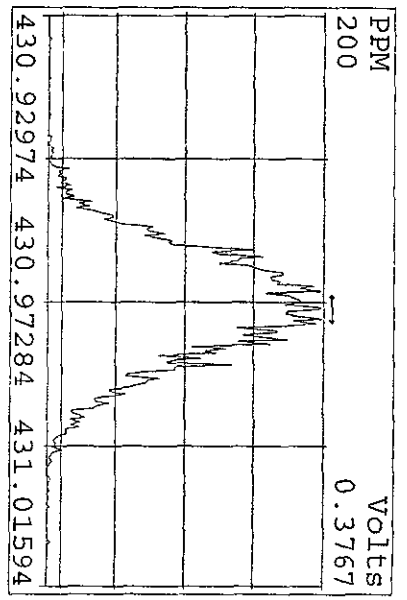
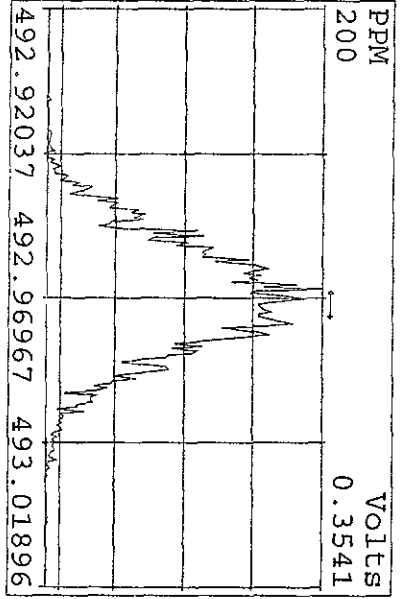
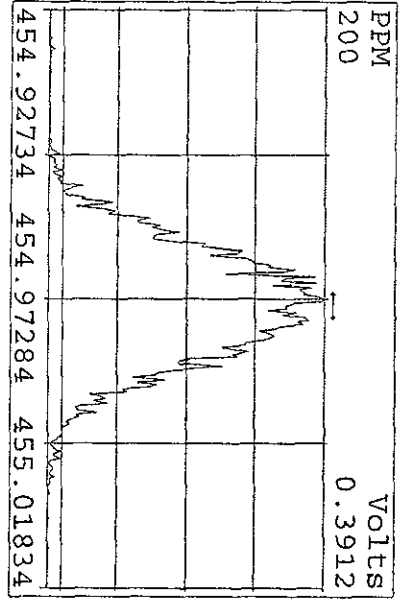
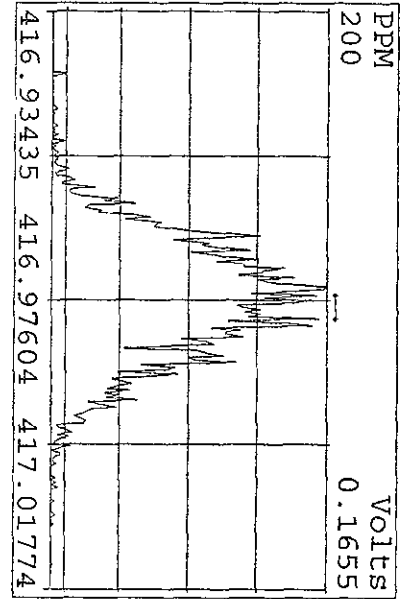


Peak Locate Examination: 9-APR-2009:17:19 File:09AP09B9D5  
Experiment:209DB5 Function:4 Reference:PFK

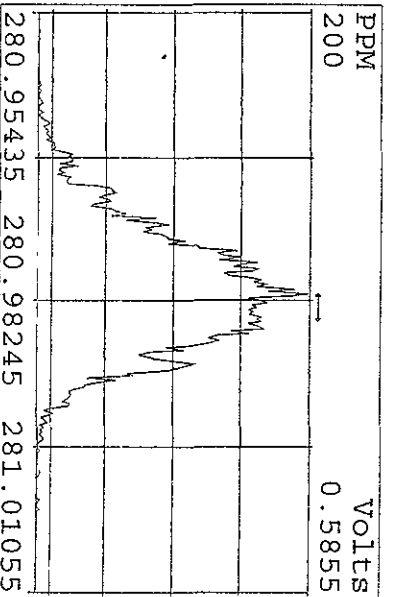
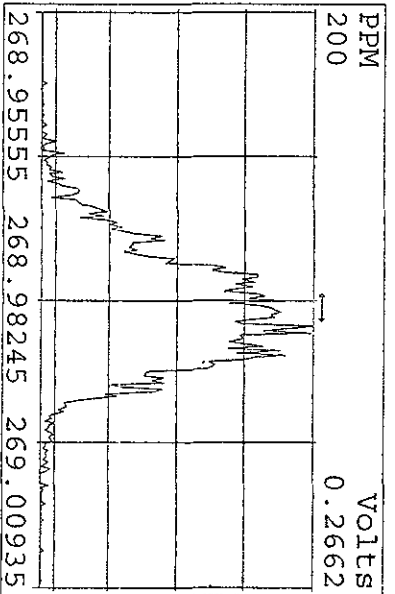
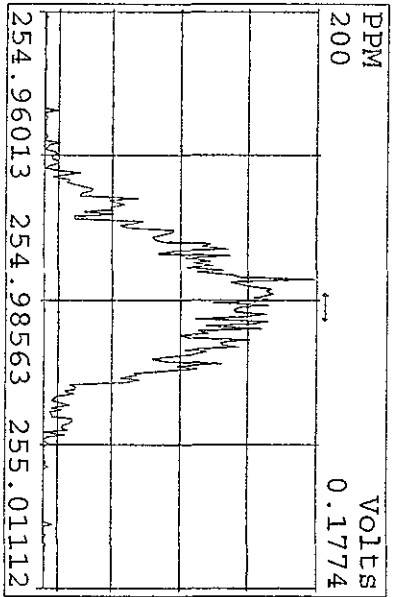
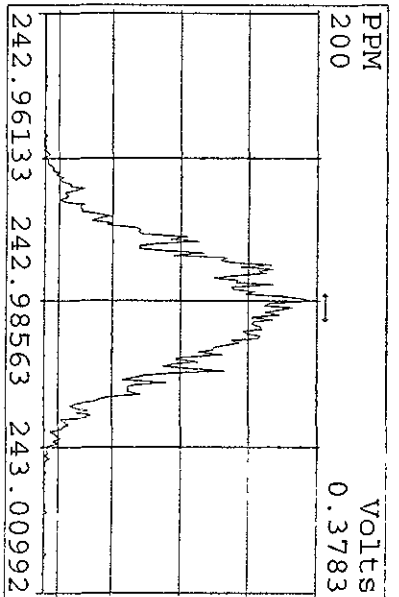
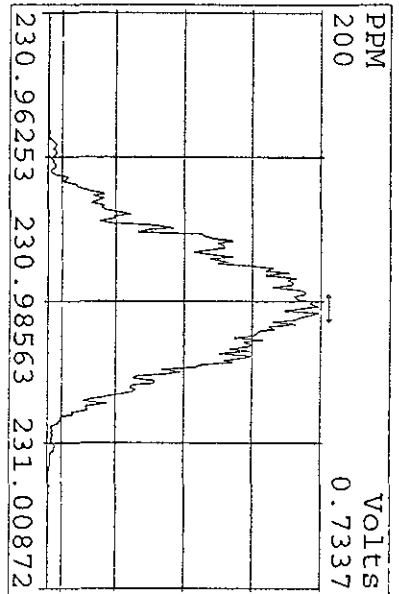
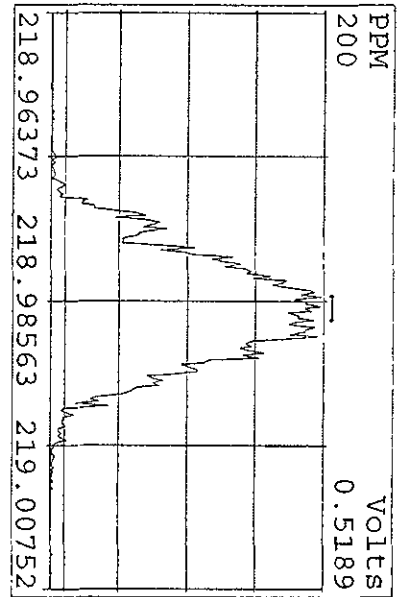
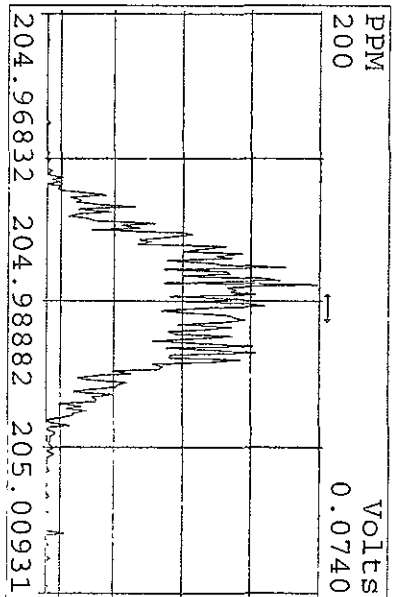
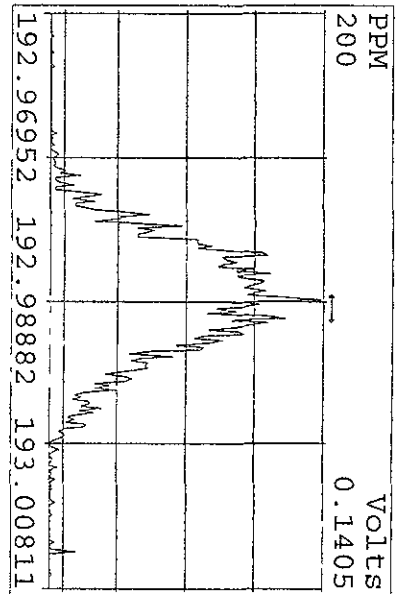
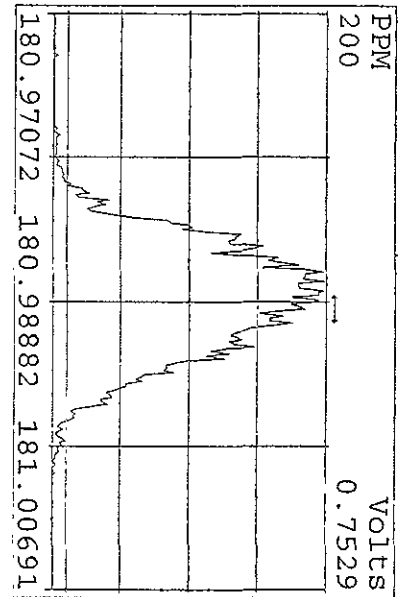




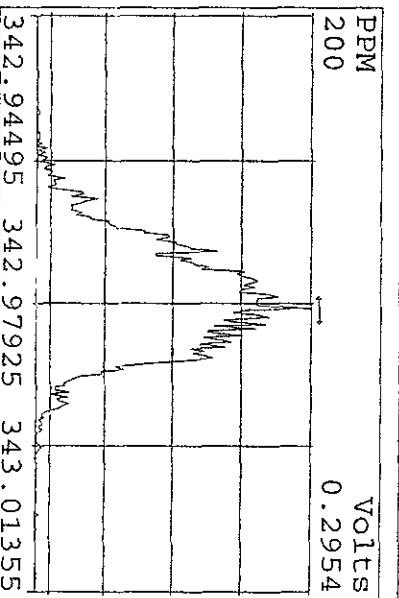
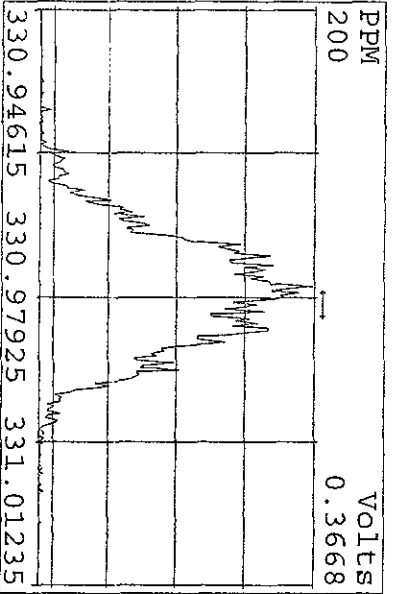
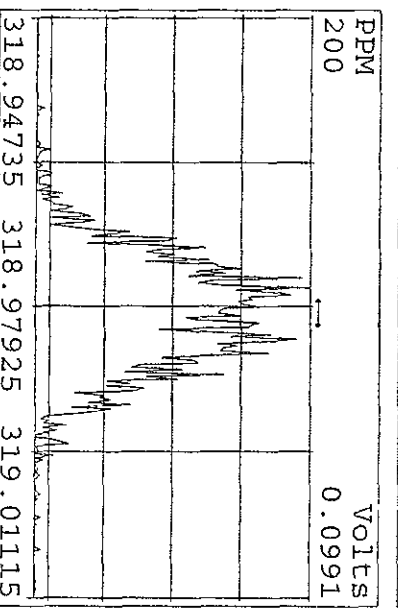
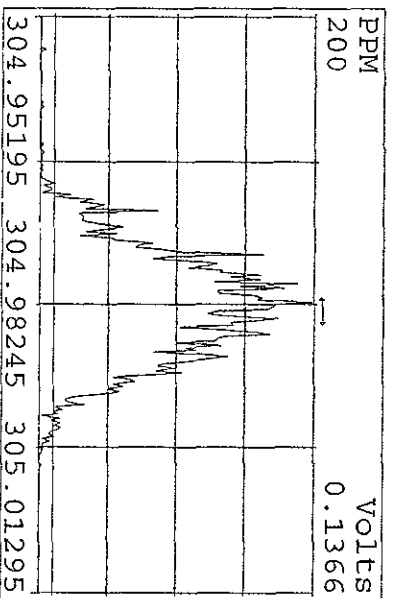
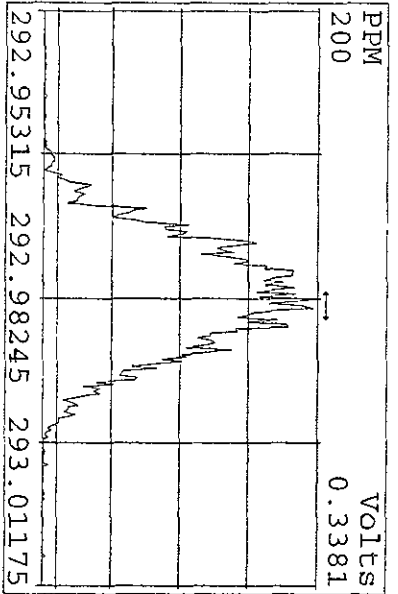
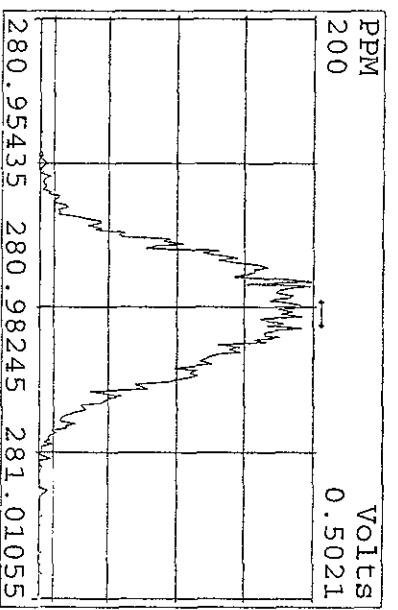
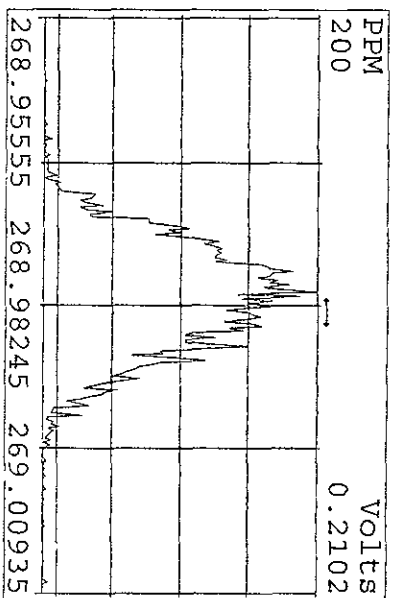
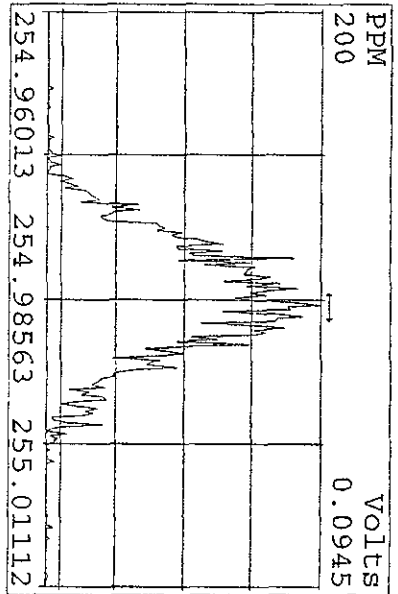
Peak Locate Examination: 9-APR-2009:17:20 File:09AP09B9D5  
 Experiment:209DB5 Function:5 Reference:PFK



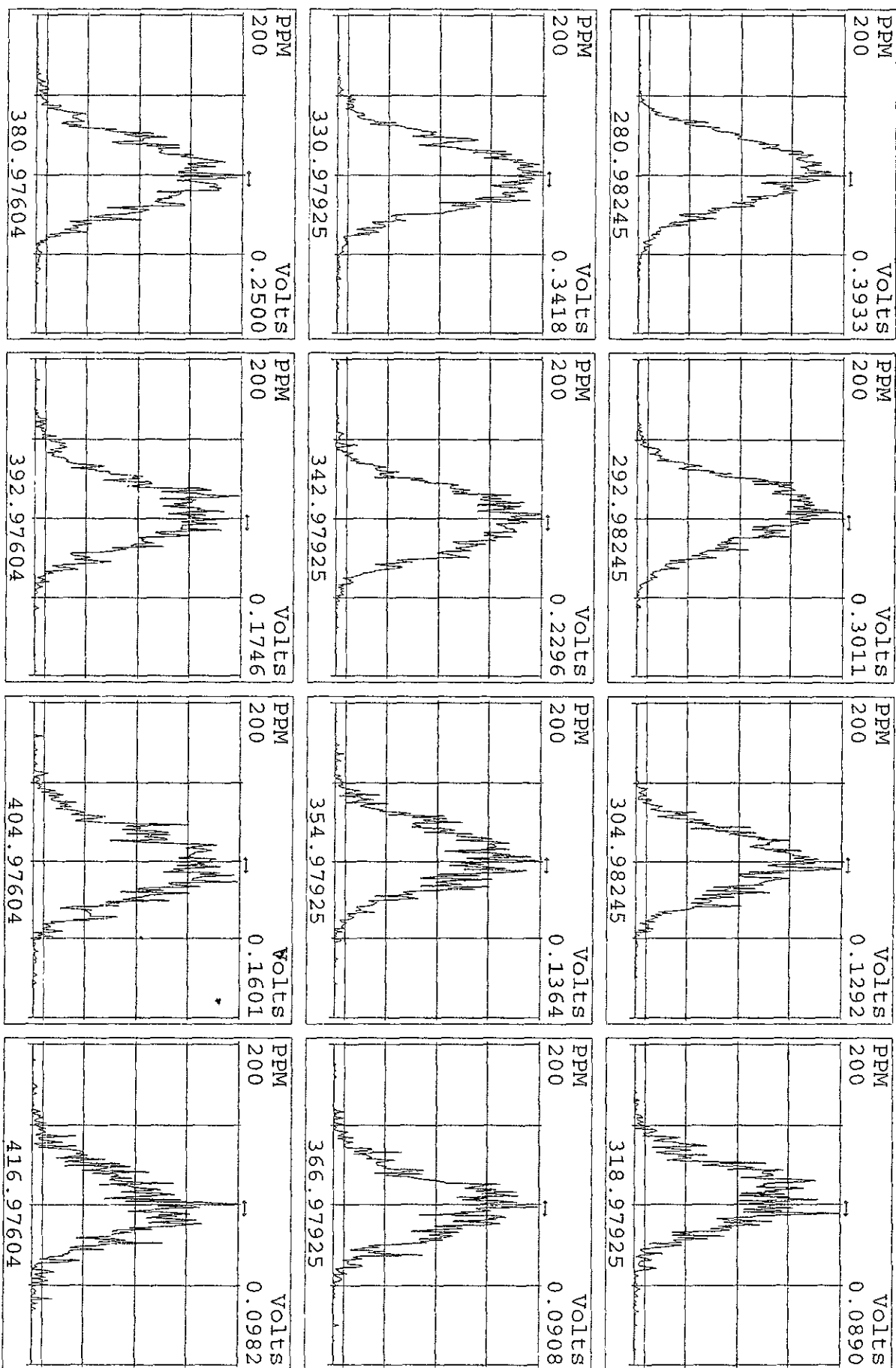
Peak Locate Examination: 13-APR-2009:09:16 File:09AP09B9D5ENDRES  
 Experiment: 209DB5 Function: 1 Reference: PFK



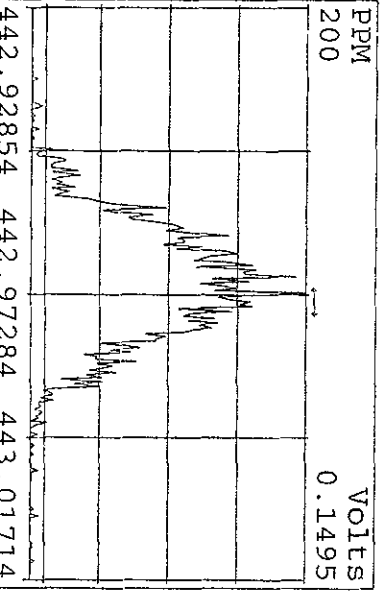
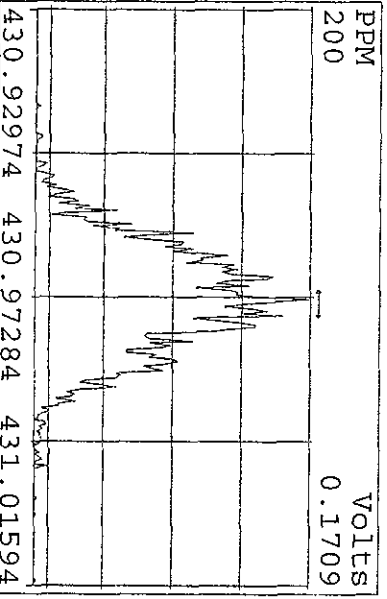
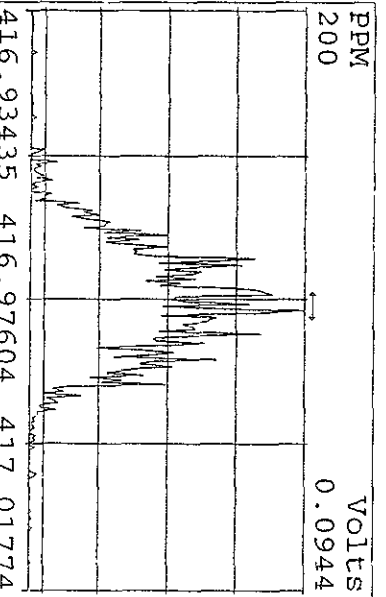
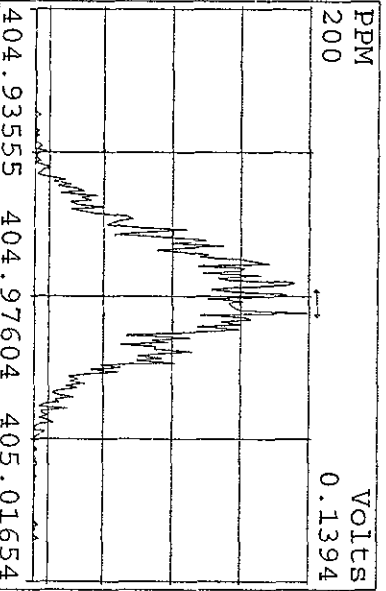
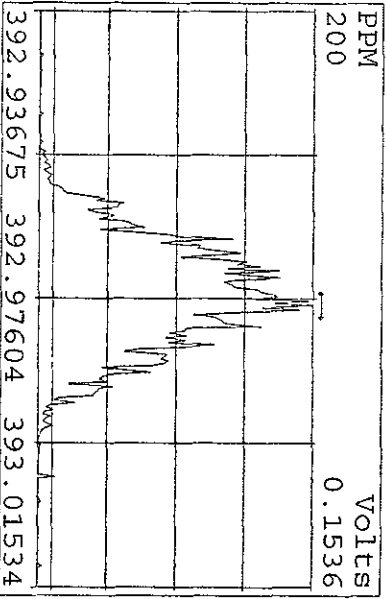
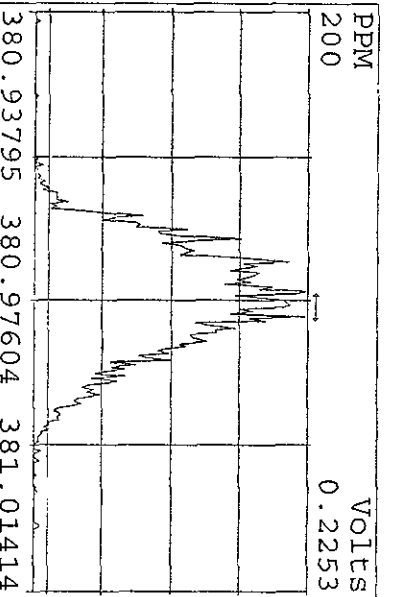
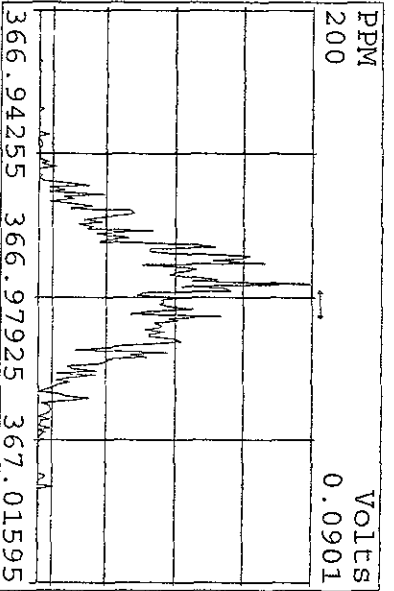
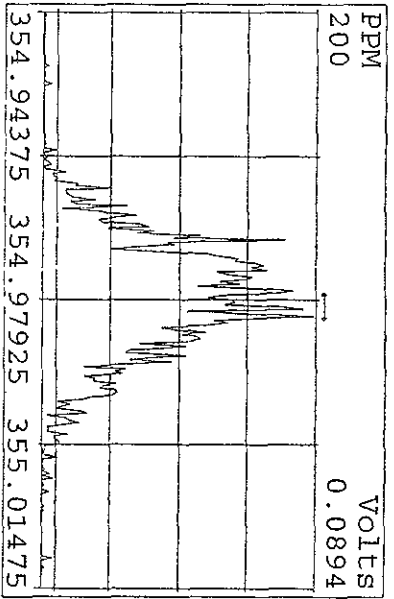
Peak Locate Examination: 13-APR-2009:09:16 File: 09AP09B9D5ENDRES  
 Experiment: 209DB5 Function: 2 Reference: PRK



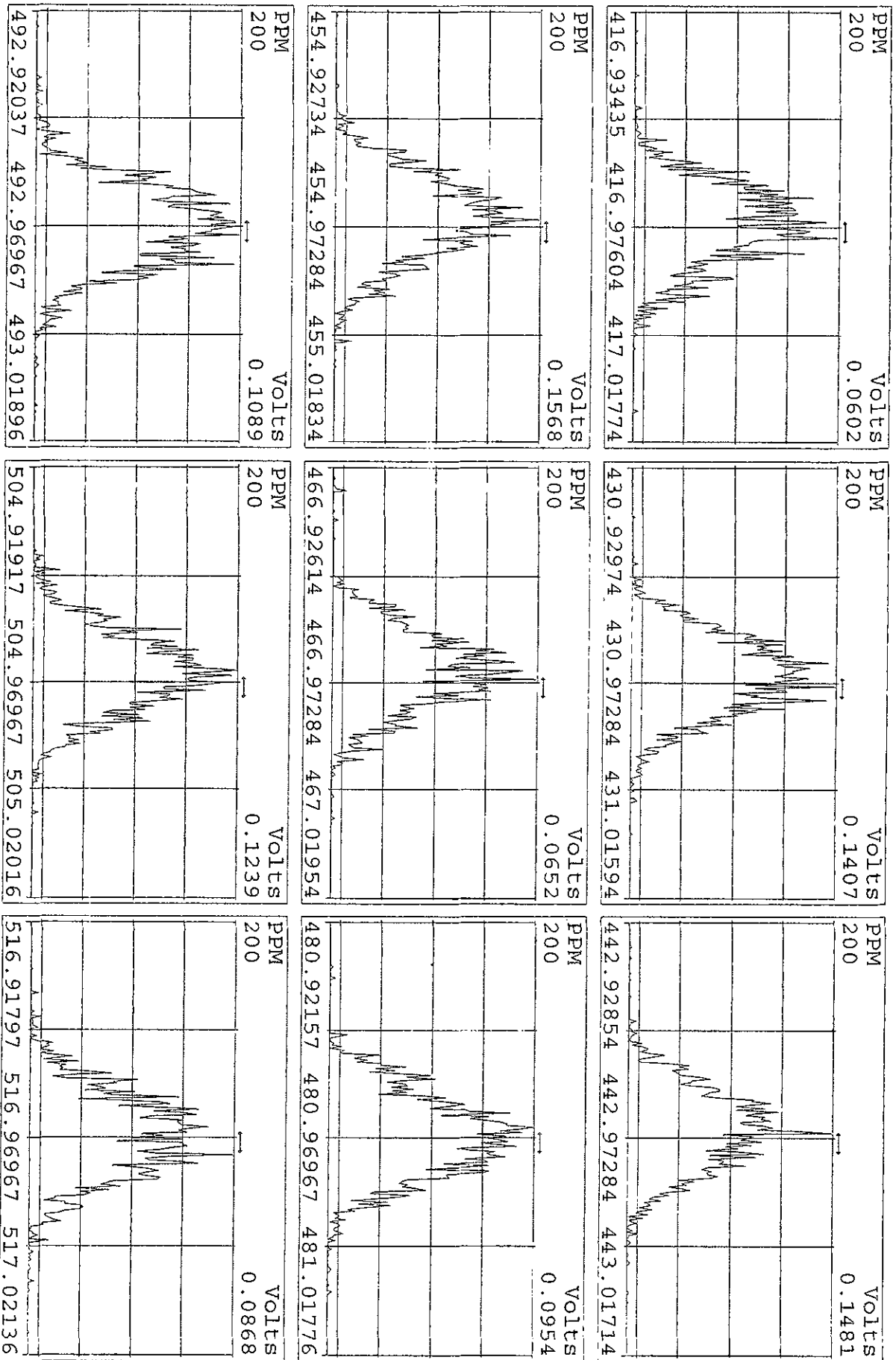
Peak Locate Examination:13-APR-2009:09:16 File:09AP09B9D5ENDRES  
Experiment:209DB5 Function:3 Reference:PFK



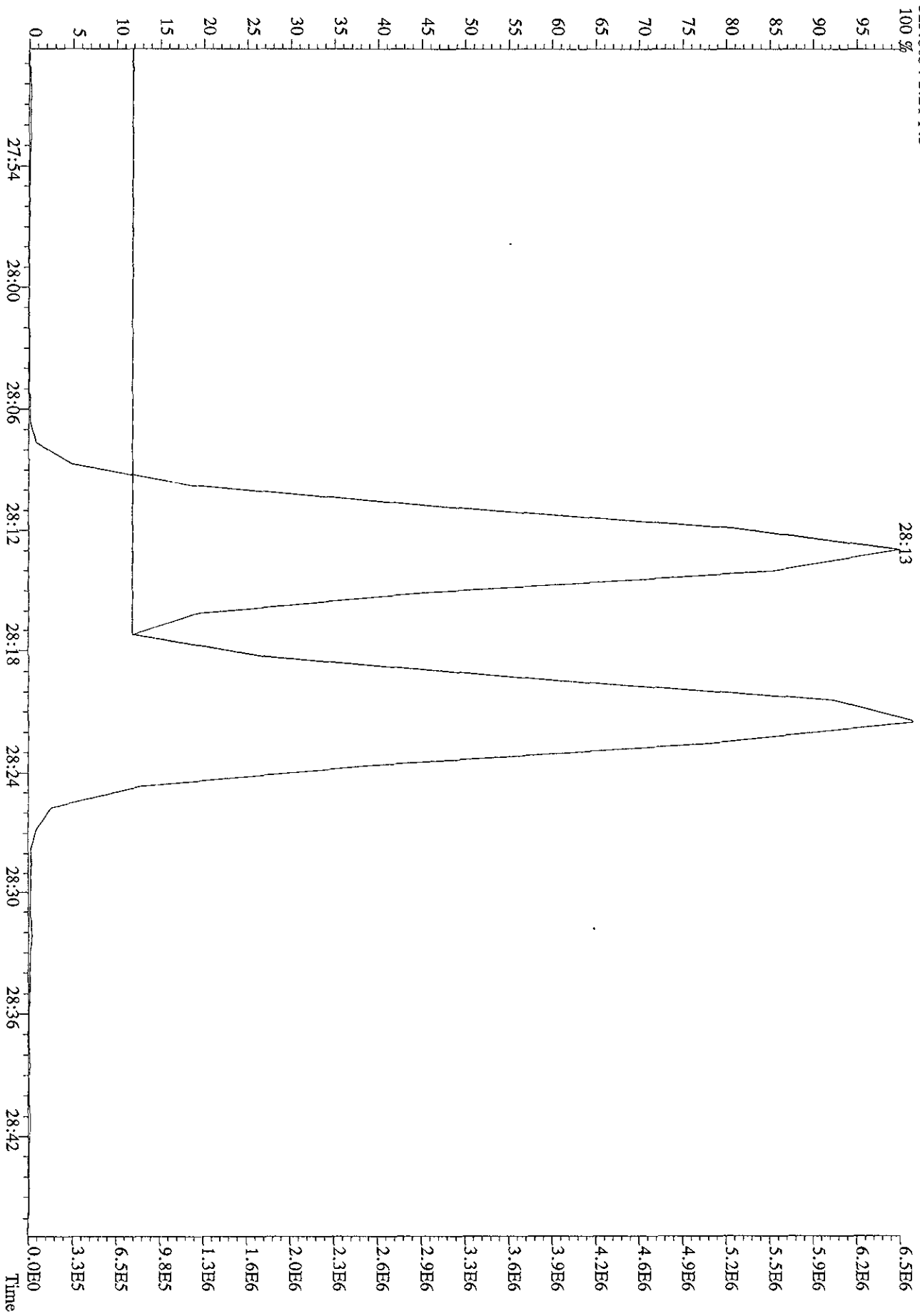
Peak Locate Examination:13-APR-2009:09:16 File:09AP09B9D5ENDRES  
 Experiment:209DB5 Function:4 Reference:PFK



Peak Locate Examination: 13-APR-2009:09:17 File: 09AP09B9D5ENDRES  
 Experiment: 209DB5 Function: 5 Reference: PFK



File:09AP09B9D5 #1-597 Acq:10-APR-2009 10:28:44 GC BI + Voltage SIR Autospec-UltimaE  
 Sample#21 Text:ST0409C :CS3 09DXN016 Exp:209DB5  
 323.8834 S:21 F:3



Run: 1668MSL0115η Analyte: 1668MSL Cal: 1668MSL0115099DS

ST0115 : CS1 09DXN014 ST0115A : CS2 09DXN015 ST0115B : CS3 09DXN016  
 ST0115C : CS4 09DXN017 ST0115D : CS5 09DXN018

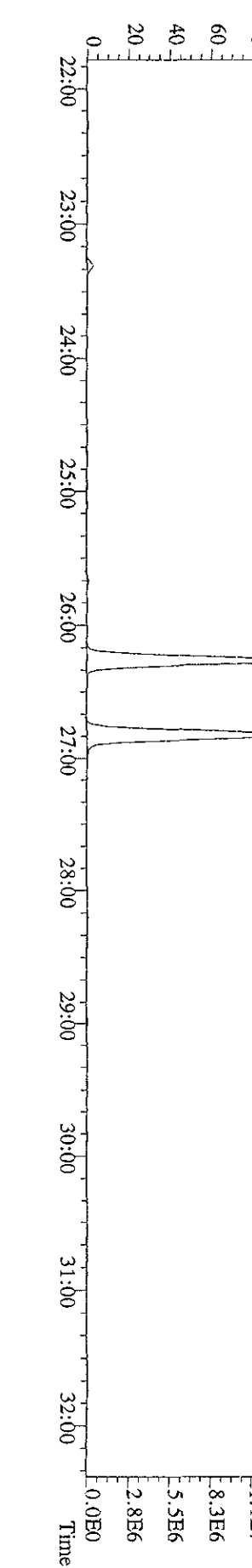
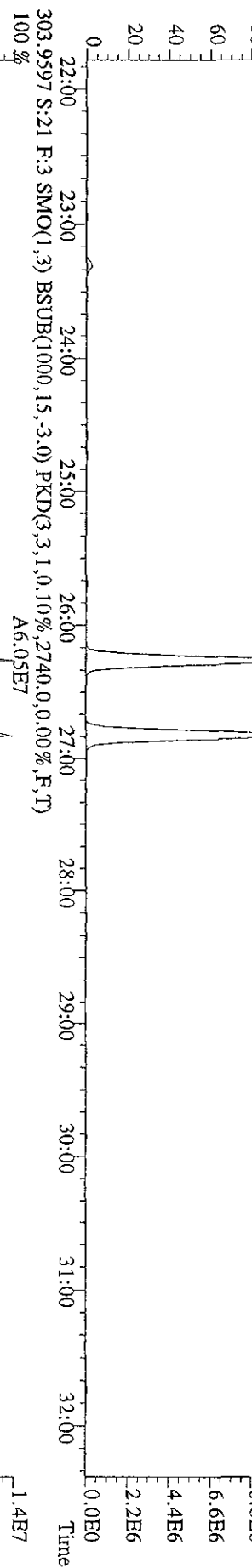
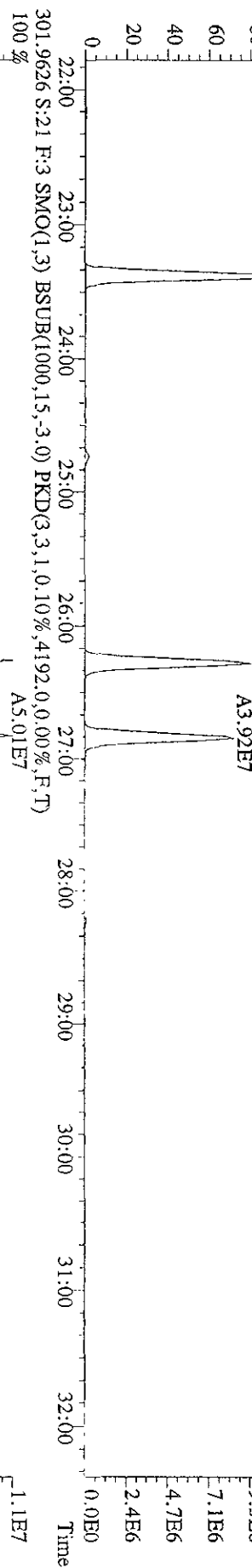
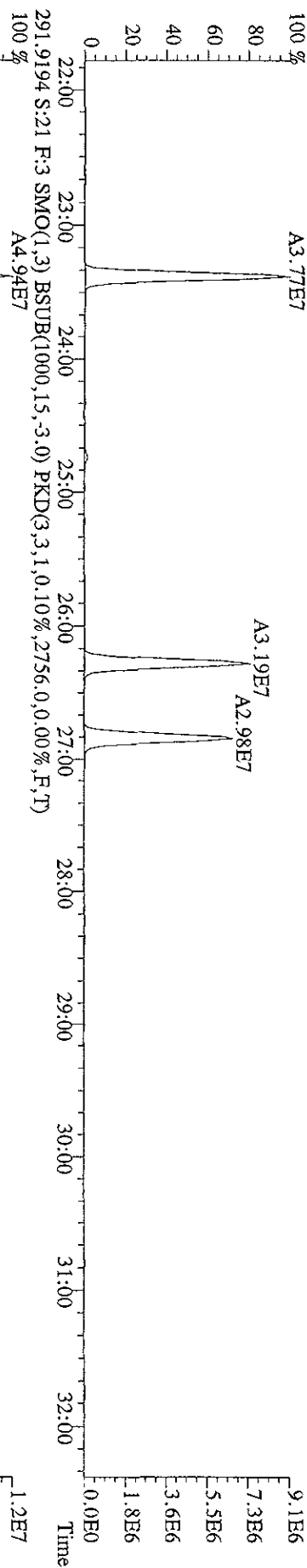
15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
13C-PecB-101	-	-	-	-	-	-	-	-
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PecB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PecB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PecB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PecB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PecB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PecB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PecB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PecB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PecB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PecB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	-	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54



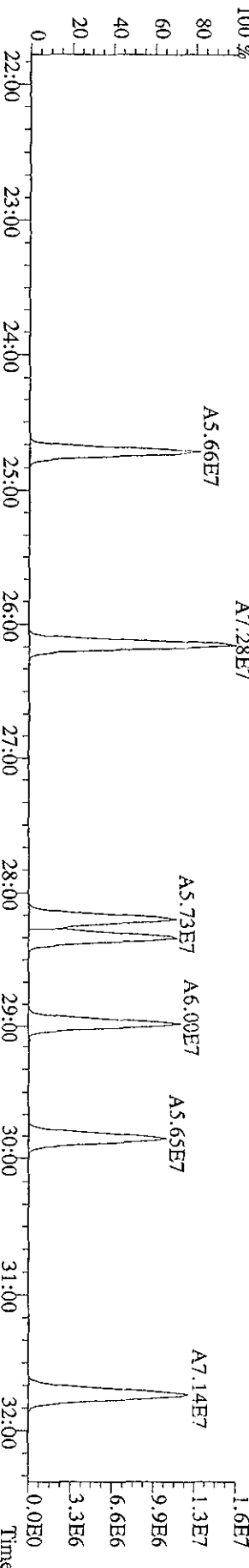
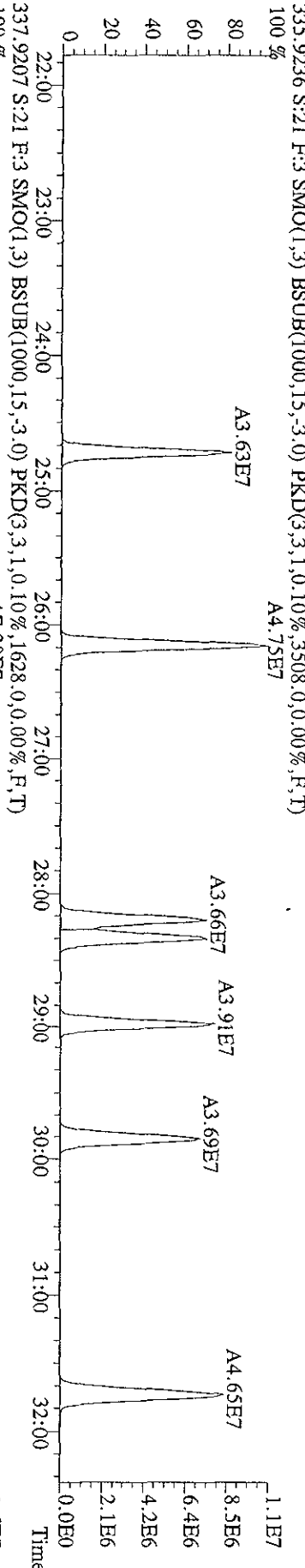
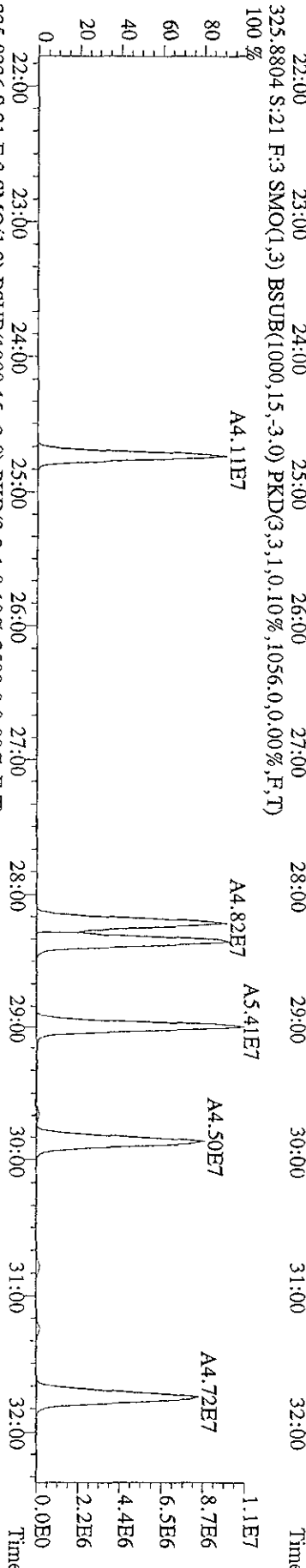
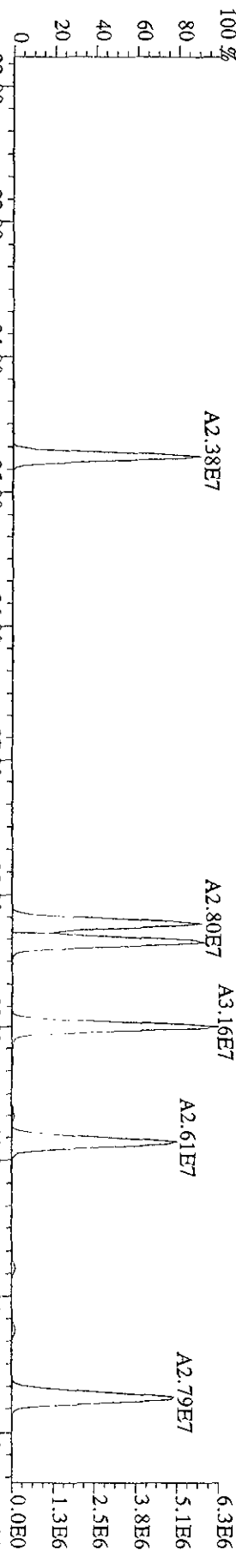
13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-PeCB-111	1.362	0.054	3.98 %	1.40	1.39	1.37	1.39	1.27

File:09AP09B9D5 #1-597 Acq:10-APR-2009 10:28:44 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#21 Text:ST0409C :CS3 09DXN016 Exp:209DB5  
 289.9224 S:21 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2008,0,0,00%,F,T)  
 100% A3.77E7

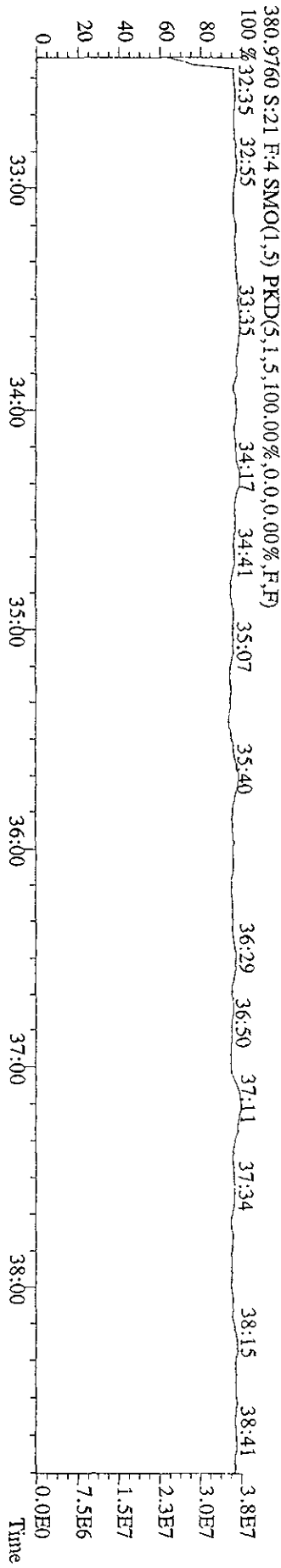
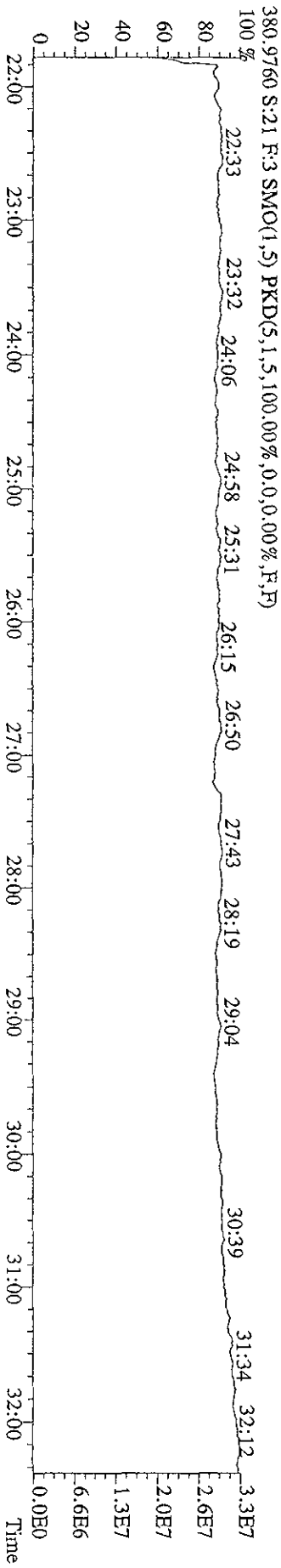
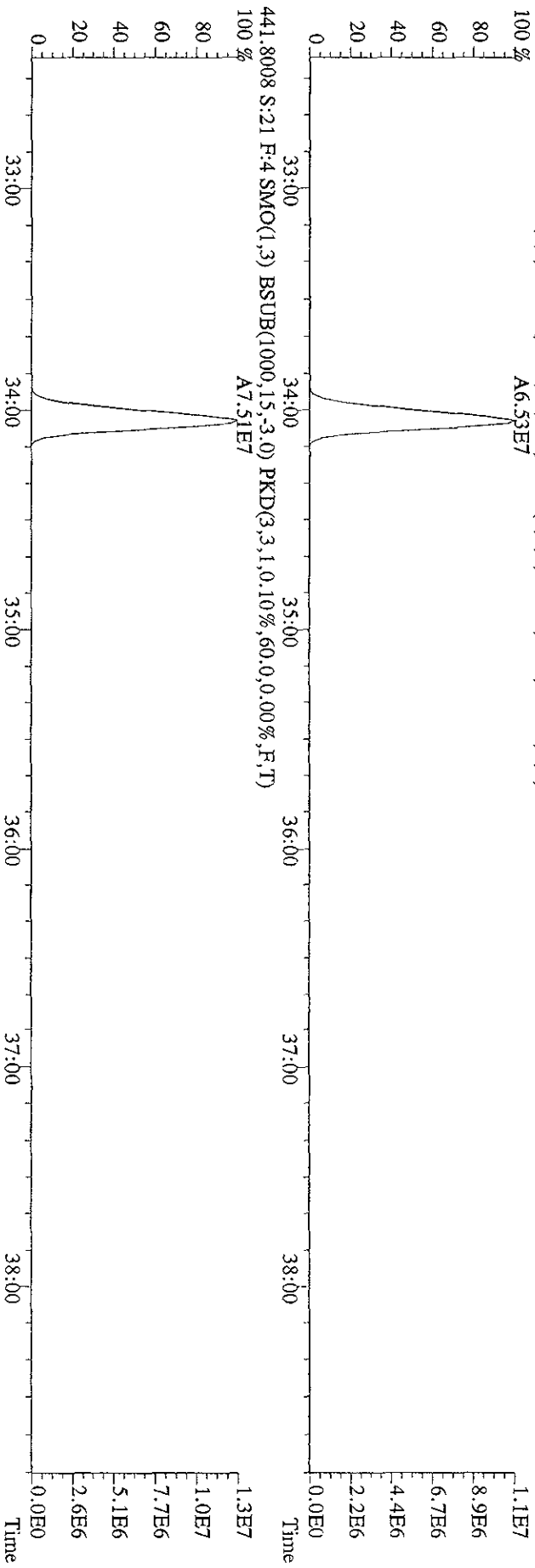


File:09AP09B9D5 #1-597 Acq:10-APR-2009 10:28:44 GC EI+ Voltage SIR Autospec-UtimaE

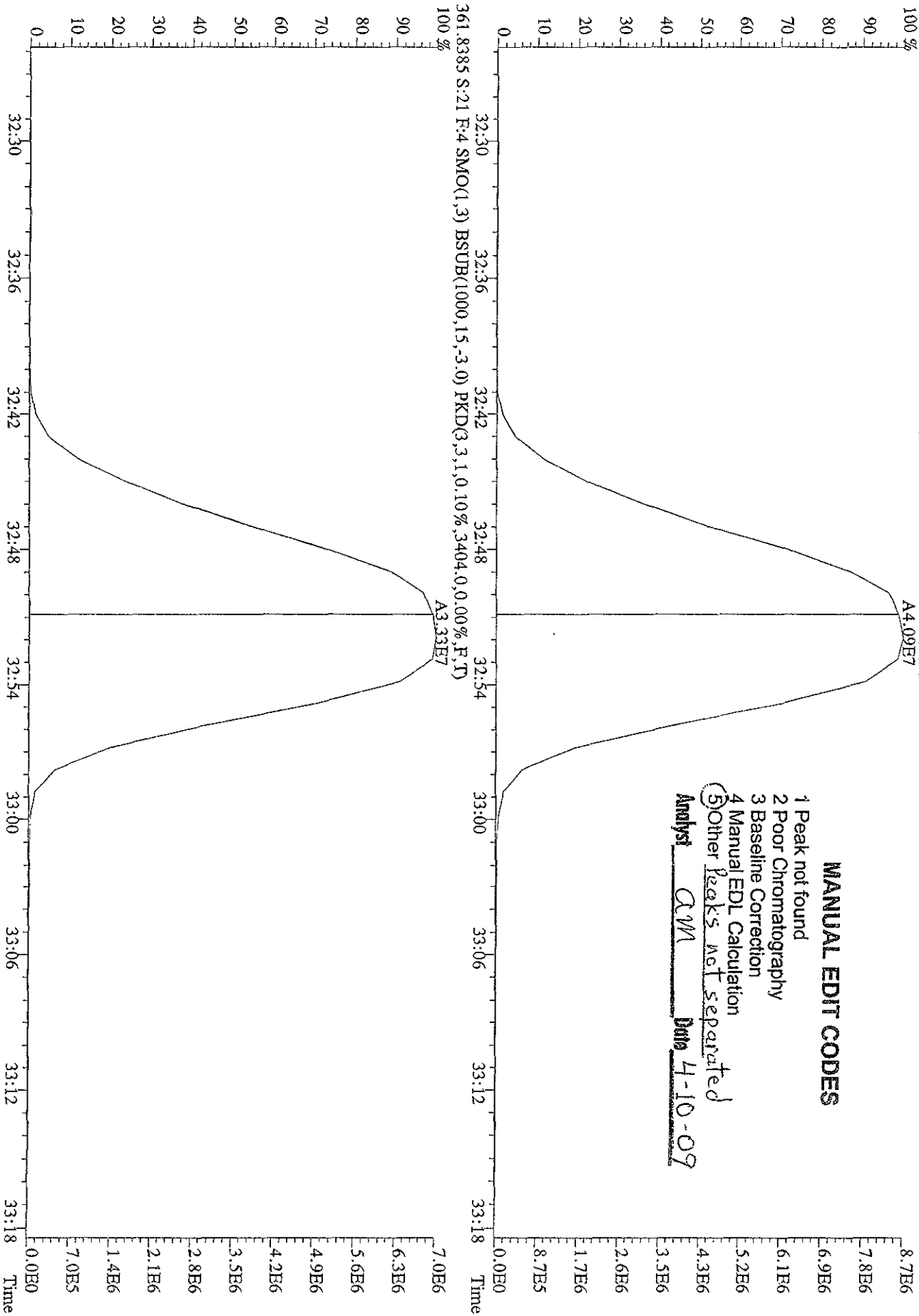
Sample#21 Tex:ST0409C :CS3 09DXN016 Exp:209DB5



File:09AP09B9D5 #1-393 Acq:10-APR-2009 10:28:44 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#21 Text:ST0409C :CSS 09DXN016 Exp:209DB5  
 439.8038 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,44,0,0,00%,F,T)  
 A6.53E7



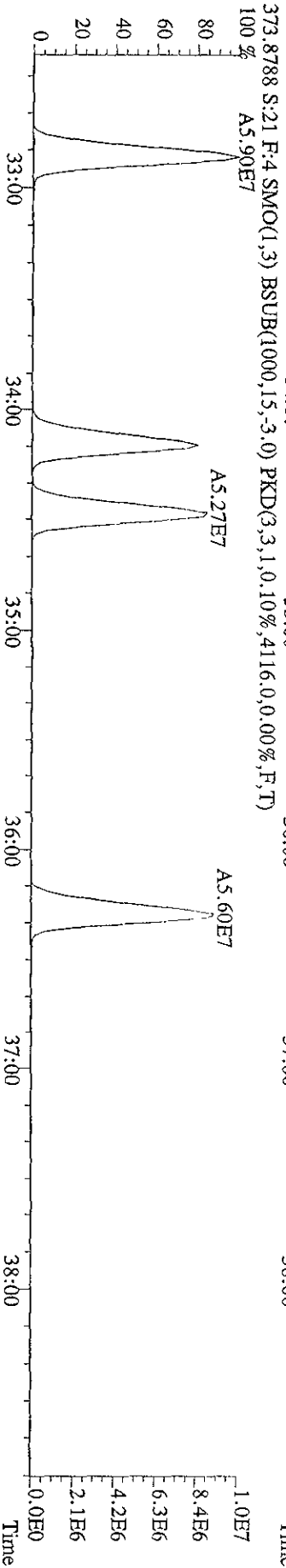
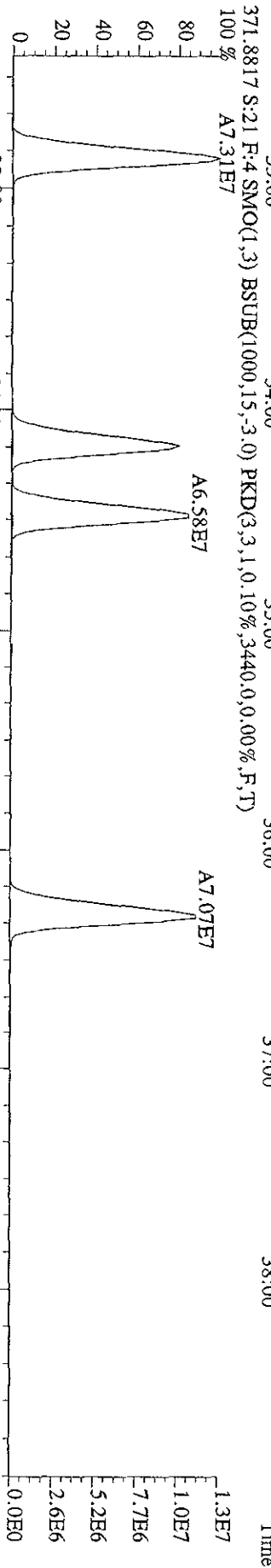
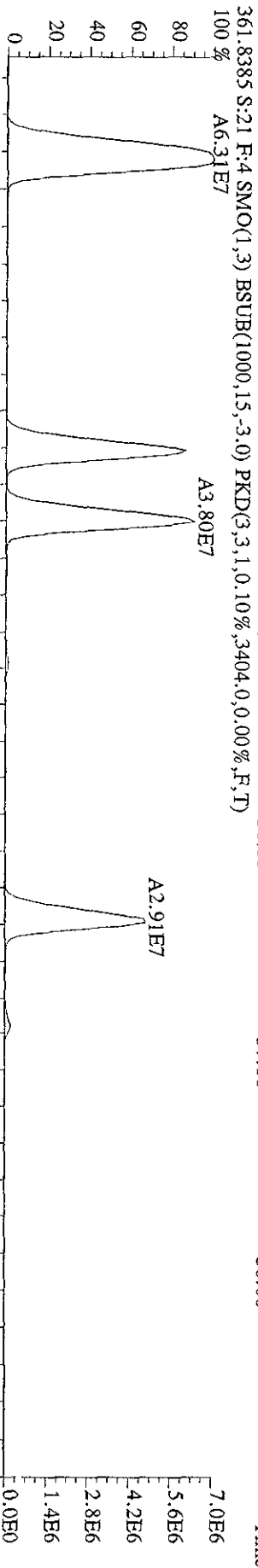
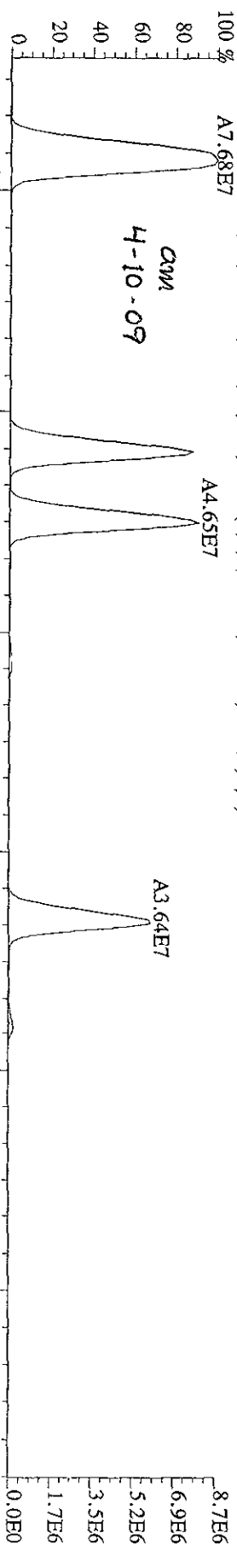
File:09AP09B9D5 #1-393 Acq:10-APR-2009 10:28:44 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#21 Text:ST0409C :CS3 09DXN016 Exp:209DB5  
 359.8415 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3916,0,0,00%,F,T)  
 100%



**MANUAL EDIT CODES**

- 1 Peak not found
  - 2 Poor Chromatography
  - 3 Baseline Correction
  - 4 Manual EDL Calculation
  - 5 Other Peaks not separated
- Analyst QW Date 4-10-09

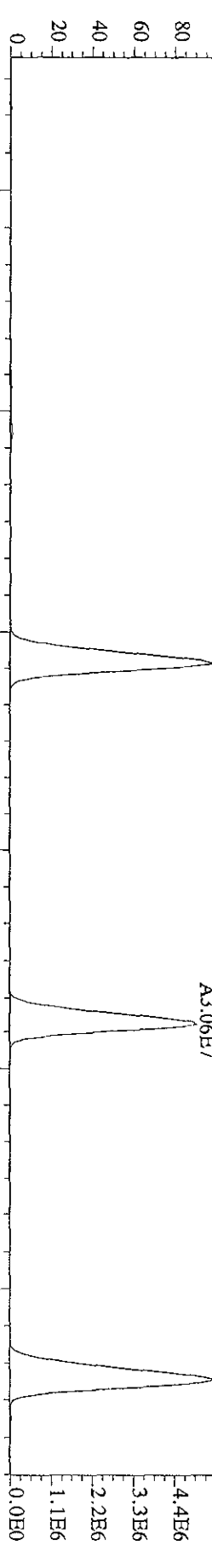
File:09AIP09B9D5 #1-393 Acq:10-APR-2009 10:28:44 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#21 Text:ST0409C :CS3 09DXN016 Exp:209DB5  
 359.8415 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,3916.0,0.00%,F,T)  
 100% A7.68E7



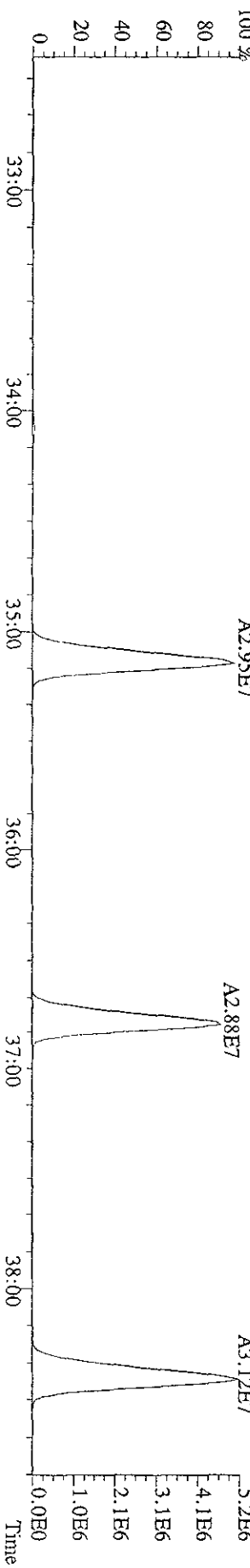
File:09AP09B9D5 #1-393 Acq:10-APR-2009 10:28:44 GC EI+ Voltage SIR Autospec-Ultimate

Sample#21 Text:ST0409C :CS3 09DXN016 Exp:209DB5

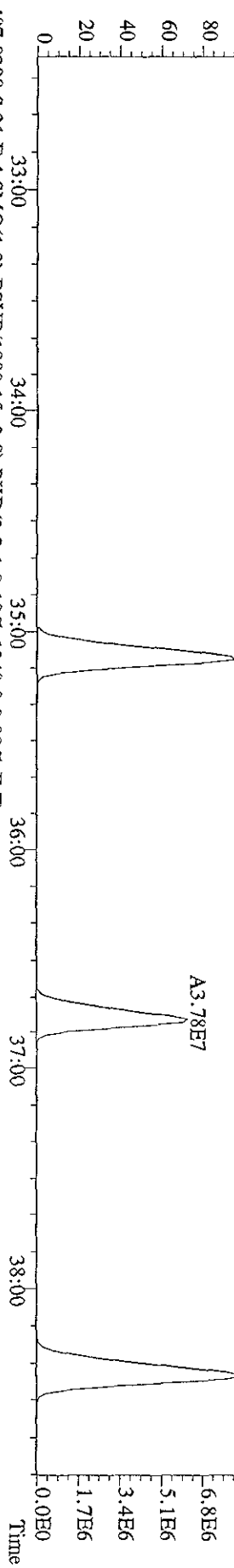
393.8025 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3656,0,0,00%,F,T)



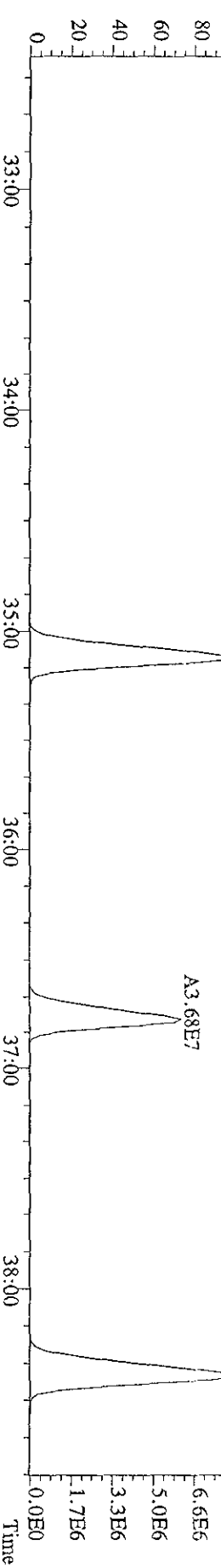
395.7995 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,868,0,0,00%,F,T)

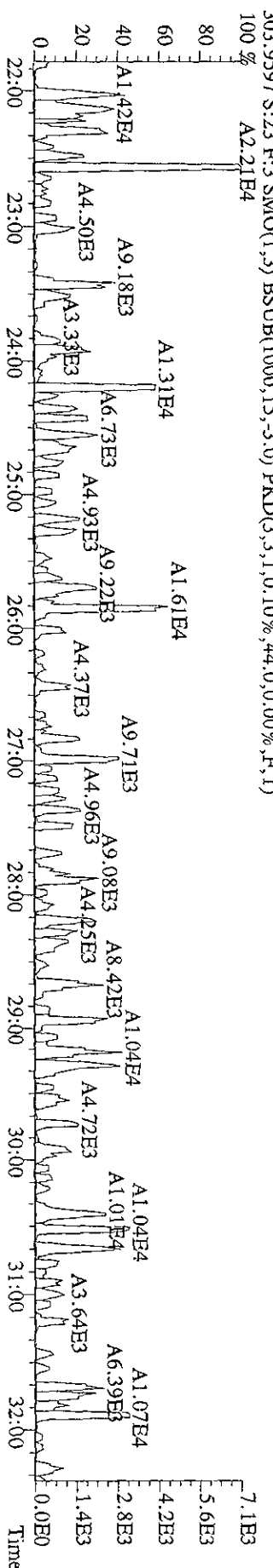
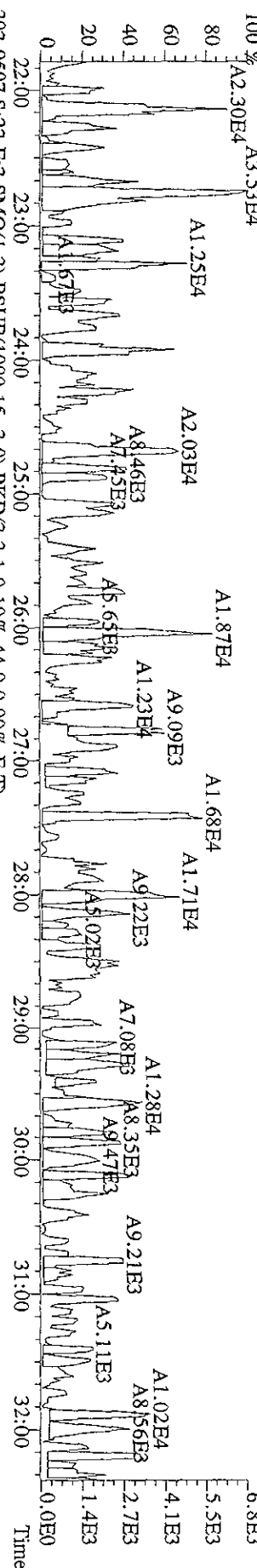
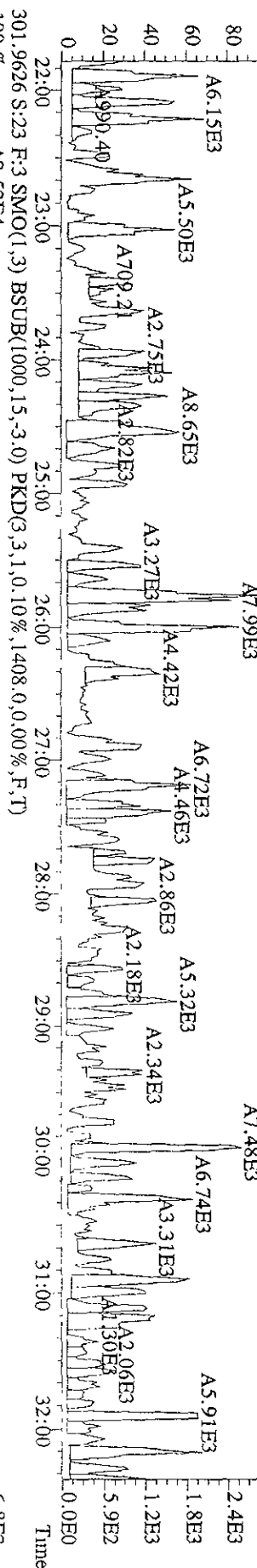
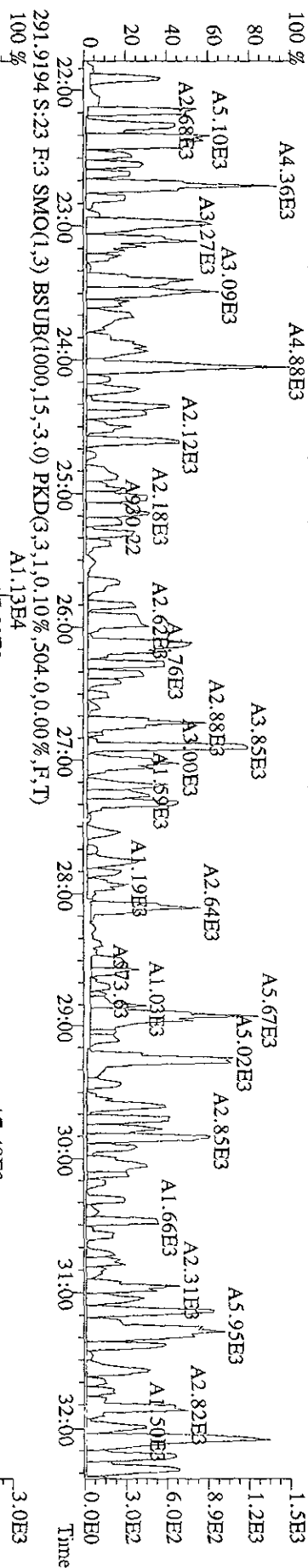


405.8428 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2864,0,0,00%,F,T)



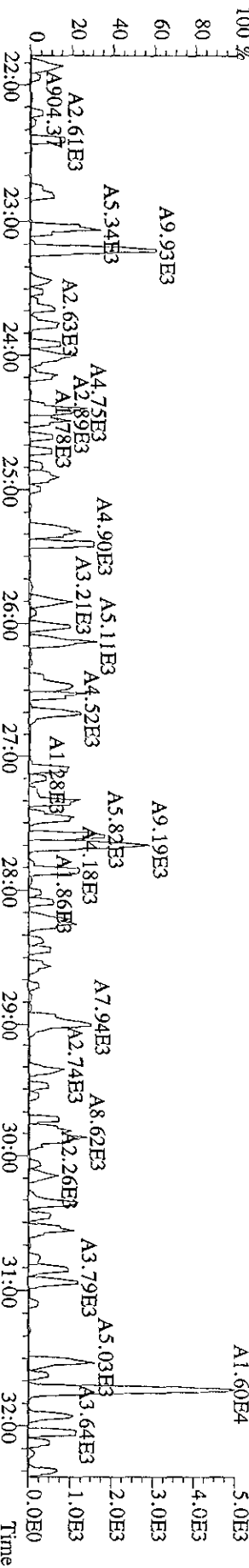
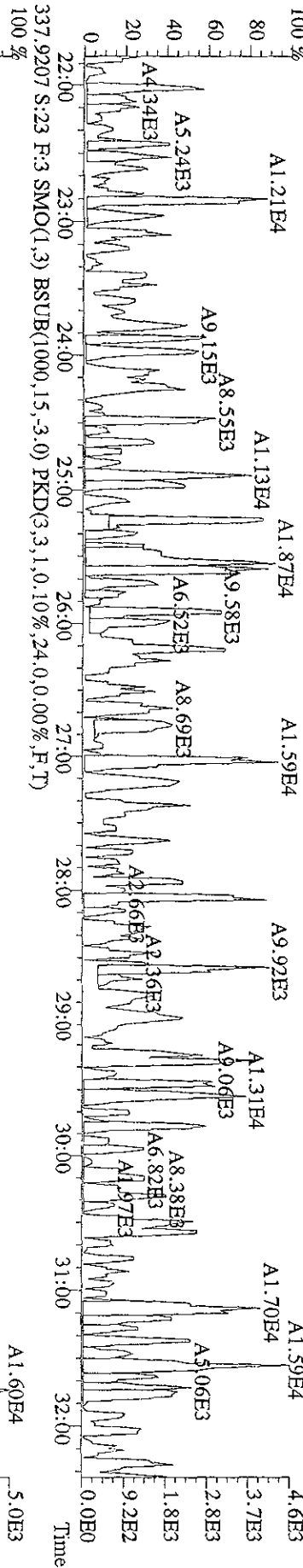
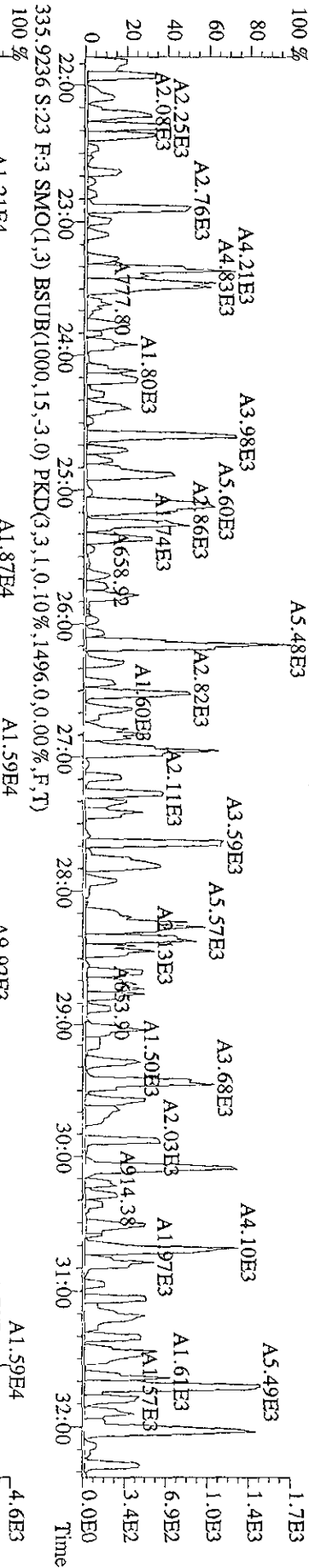
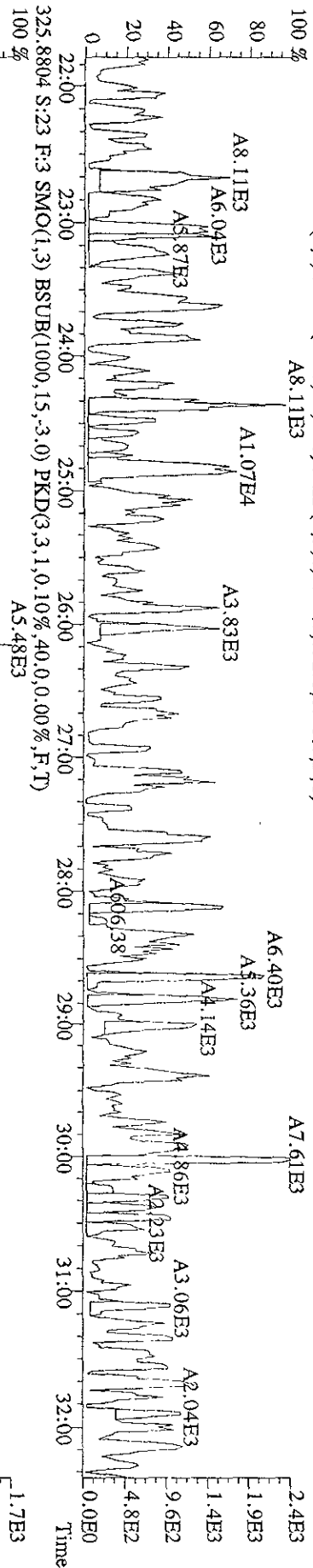
407.8398 S:21 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1248,0,0,00%,F,T)



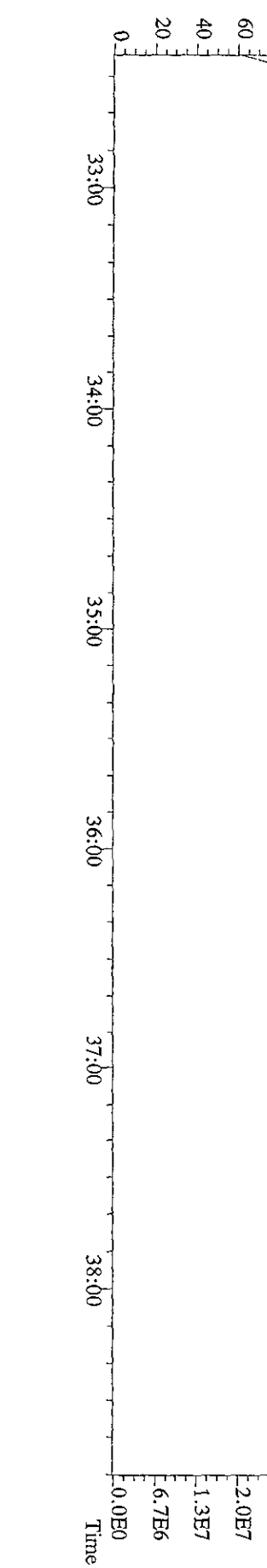
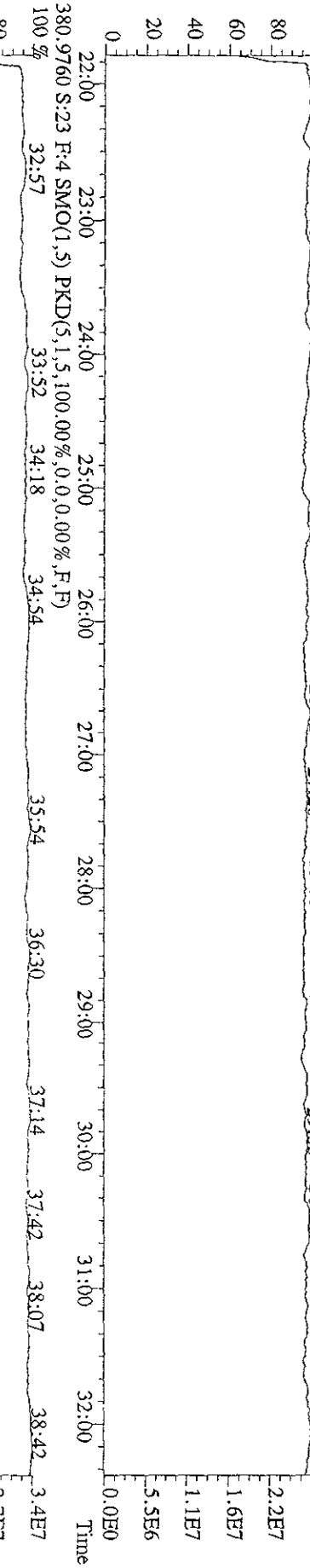
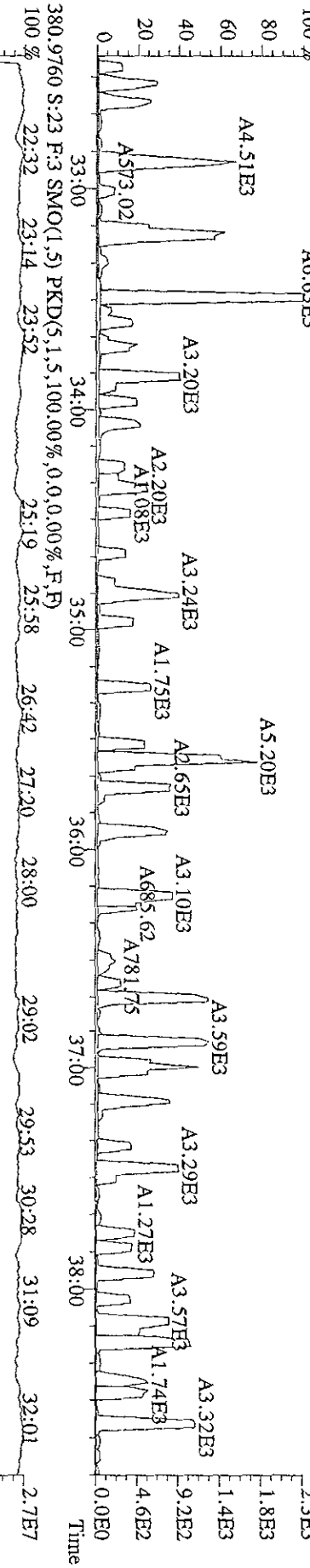
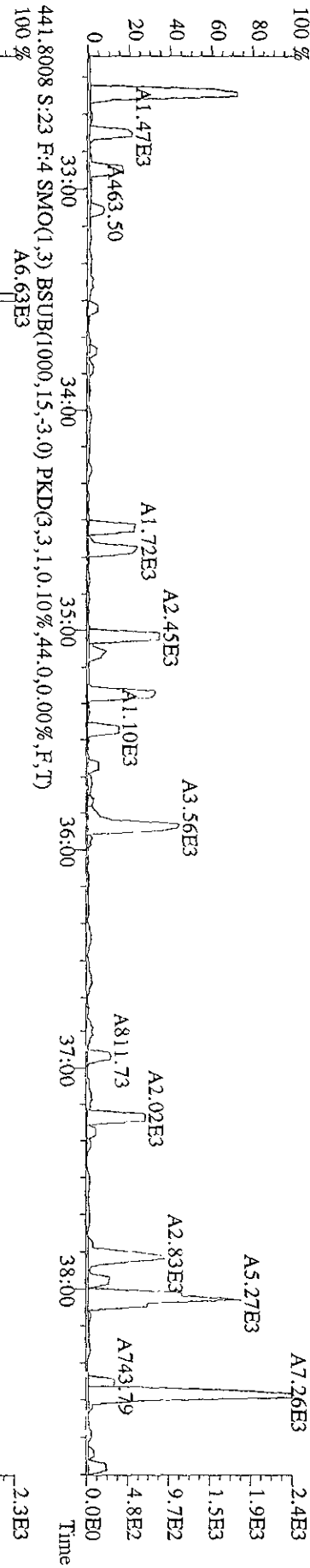


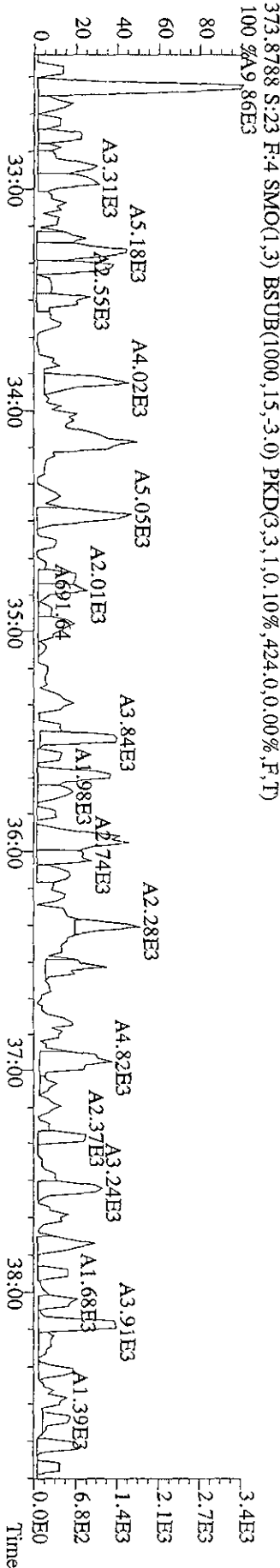
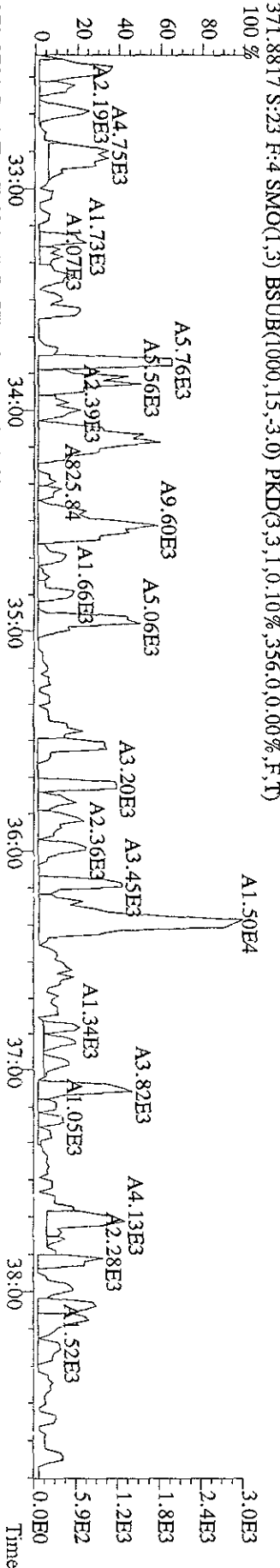
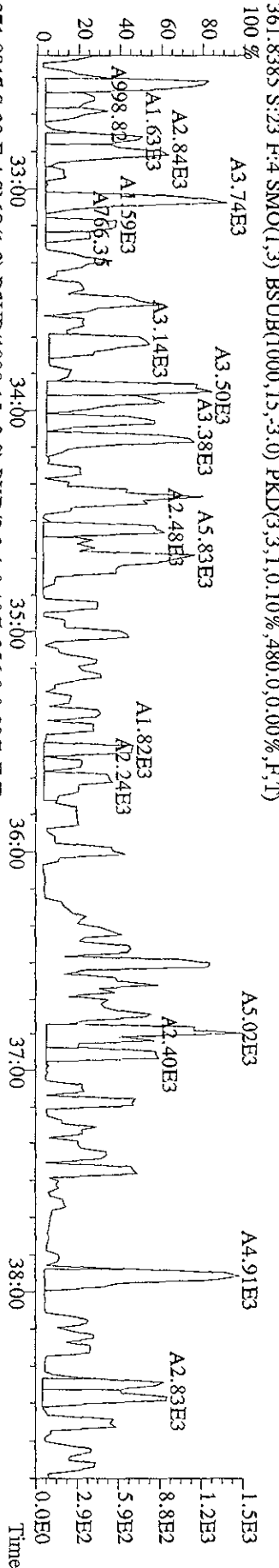
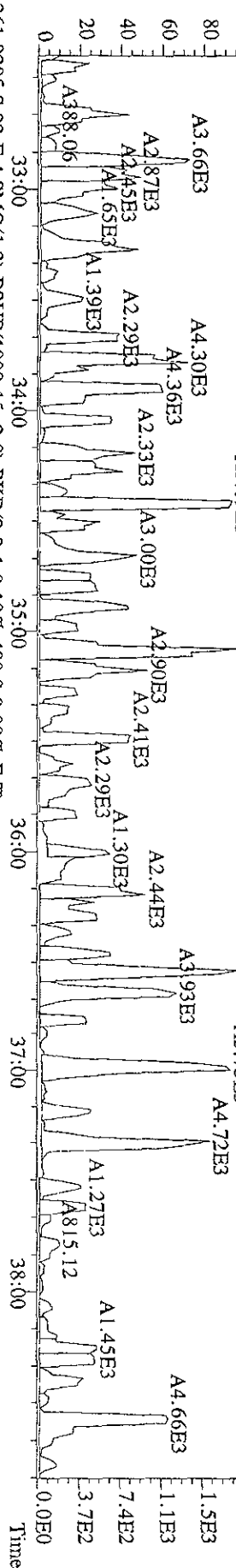


File:09AP09B9D5 #1-597 Acq:10-APR-2009 12:11:30 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#23 Text:SB0409C :Solvent Blank C-12 Exp:209DB5  
323.8834 S:23 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,792.0,0.00%,F,T)  
100 %

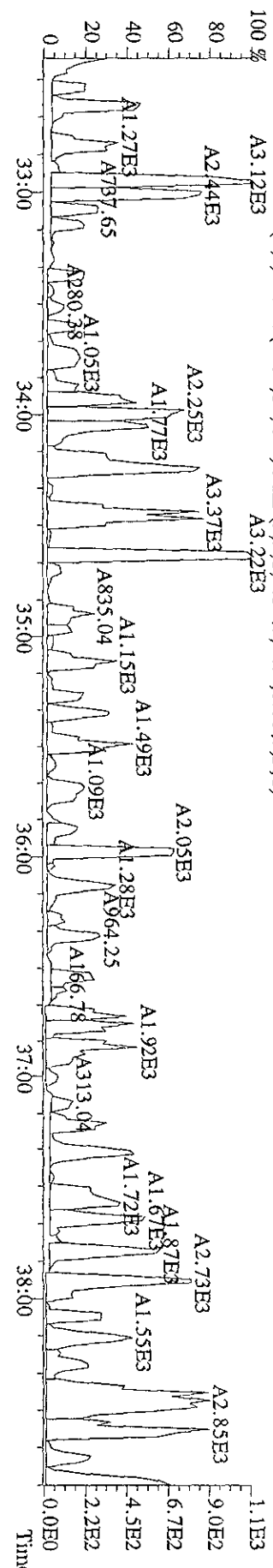
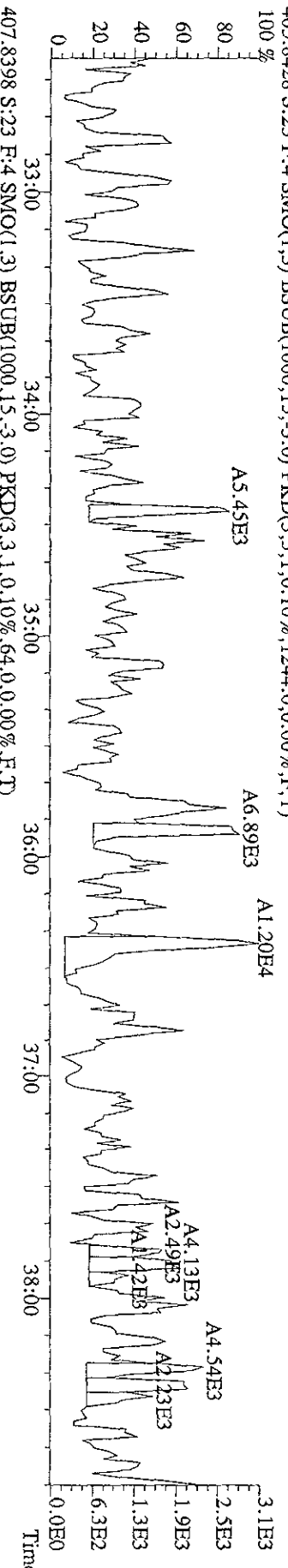
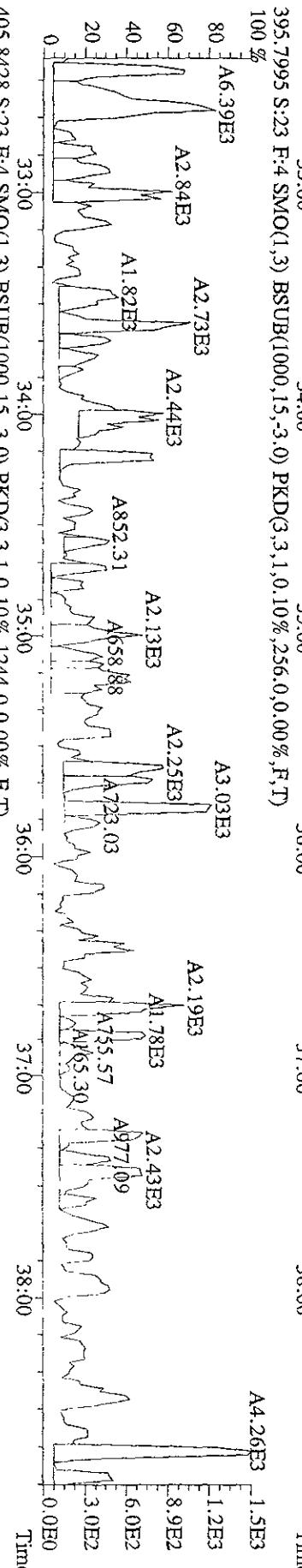
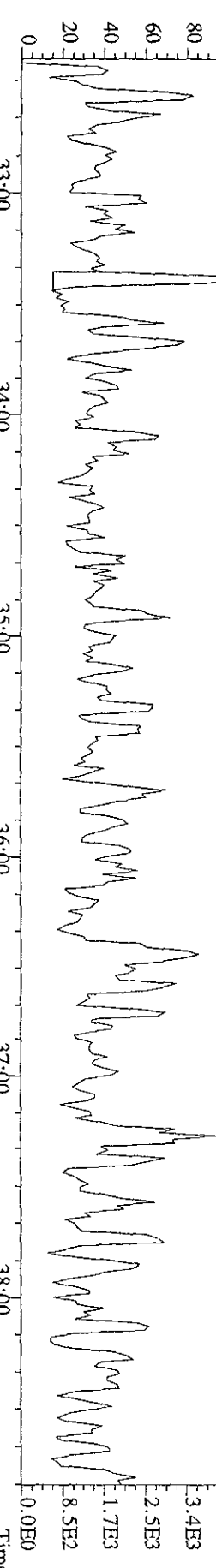


File:09AP09B9D5 #1-393 Acq:10-APR-2009 12:11:30 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#23 Text:SB0409C Solvent Blank C-12 Exp:209DB5  
 439.8038 S:23 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,32.0,0.00%,F,T)





File:09AP09B9D5 #1-393 Acq:10-APR-2009 12:11:30 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#23 Text:SB0409C :Solvent Blank C-12 Exp:2099DB5  
 393.8025 S:23 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1988,0,0,00%,F,T)  
 100% A1.08E4



Method ID 1668M (Sheet List)

Associated ICAL 1668MSL-0115099D5

Column ID DB-5

Instrument ID 905

STD ID S101109

STD Solution OSDxND16

Analyzed by MP

Date Analyzed 4-13-09

Std. Pkg. By MP

Date Std. Pkg. Assembled 4/21/09

Std. Pkg. Reviewed By KGS

Date Std. Pkg. Reviewed 4/21/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley $\leq$ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* **Method 1668A(PCBs):**  $\pm 30\%$  from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and  $\pm 50\%$  for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the  $\pm 30\%$  limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have  $\pm 40\%$  limit.  
**Method 1614 (DBDs/DBFs):**  $\pm 30\%$  from curve RRFs for native analytes and  $\pm 50\%$  from curve RRFs for labeled compounds (Note: BDE-209 is  $+200\%$  to  $-50\%$ , 13C-BDE-209 is  $+200\%$  to  $-75\%$  and 13C-BDE-139 is  $\pm 30\%$ ).

\*\* **Method 1668A (PCBs):** resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
**Method 1614 (DBDs/DBFs):** a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0409 File text: ST0409 :CS3 09DXN016  
 Run #6 Filename 13AP09B9D5 S: 1 I: 1  
 Acquired: 13-APR-09 12:55:38 Processed: 13-APR-09 19:03:03  
 Run: 13AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5 Results: 13AP09B9D51668MSL

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	112803800	0.65 y	24:43	-	100.00	-	n
13C-TCB-81	105425900	0.76 y	26:16	0.93	100.00	-1.3	n
TCB-81	64381300	0.73 y	26:17	1.22	50.00	-4.5	n
13C-TCB-77	106016400	0.79 y	26:50	0.94	100.00	-4.3	n
TCB-77	57882400	0.72 y	26:51	1.09	50.00	-1.0	n
13C-PeCB-123	110147500	0.66 y	28:12	0.98	100.00	12.0	n
PeCB-123	86171600	0.58 y	28:13	1.56	50.00	3.7	n
13C-PeCB-118	109509700	0.65 y	28:20	0.97	100.00	-1.4	n
PeCB-118/106	87961300	0.58 y	28:21	1.61	50.00	5.1	n
13C-PeCB-114	115261300	0.67 y	28:59	1.02	100.00	5.7	n
PeCB-114	96062800	0.58 y	29:00	1.67	50.00	5.1	n
13C-PeCB-105	110794100	0.66 y	29:51	0.98	100.00	9.5	n
PeCB-105/127	80466300	0.60 y	29:52	1.45	50.00	2.1	n
13C-PeCB-126	108483400	0.64 y	31:45	0.96	100.00	5.5	n
PeCB-126	68302200	0.59 y	31:46	1.26	50.00	7.3	n
13C-OcCB-202	148019500	0.85 y	34:03	-	100.00	-	n
13C-HxCB-167	111675500	1.25 y	32:52	0.75	100.00	-10.3	n
HxCB-167	47321200	1.21 y	32:53	0.85	50.00	-27.5	y ✓
13C-HxCB-156	87914200	1.24 y	34:11	0.59	100.00	-11.4	n
HxCB-156	61507400	1.23 y	34:12	1.40	50.00	-3.6	n
13C-HxCB-157	94041600	1.25 y	34:29	0.64	100.00	-10.1	n
HxCB-157	63972600	1.19 y	34:30	1.36	50.00	-5.9	n
13C-HxCB-169	94887300	1.23 y	36:18	0.64	100.00	-12.6	n
HxCB-169	45544200	1.21 y	36:19	0.96	50.00	-3.0	n
13C-HpCB-180	85741000	1.05 y	35:08	0.58	100.00	-0.9	n
HpCB-180	55039300	1.07 y	35:09	1.28	50.00	1.5	n
13C-HpCB-170	73493600	1.06 y	36:47	0.50	100.00	4.7	n
HpCB-170/190	58796500	1.05 y	36:48	1.60	50.00	-0.4	n
13C-HpCB-189	93873600	1.04 y	38:24	0.63	100.00	6.0	n
HpCB-189	59770500	1.06 y	38:25	1.27	50.00	5.6	n
13C-PeCB-111	143989300	0.66 y	26:09	1.30	100.00	-4.6	n

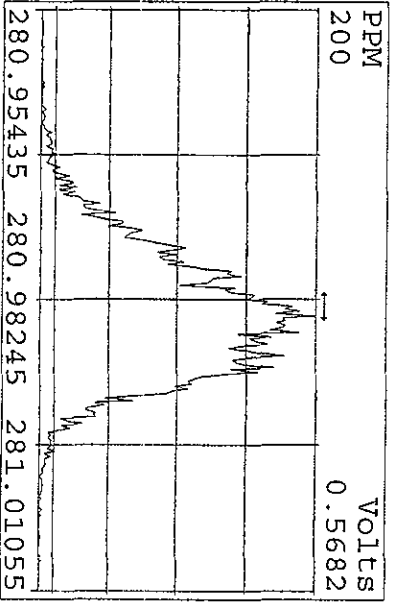
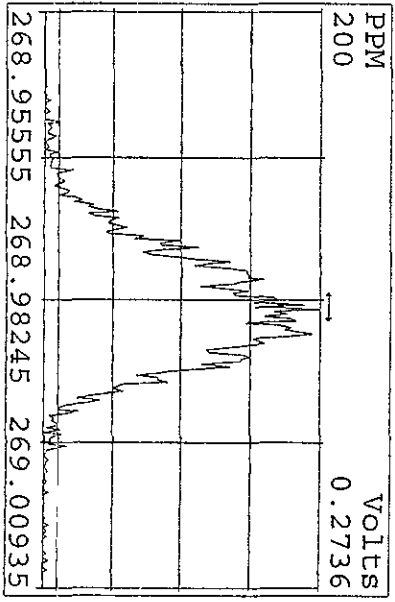
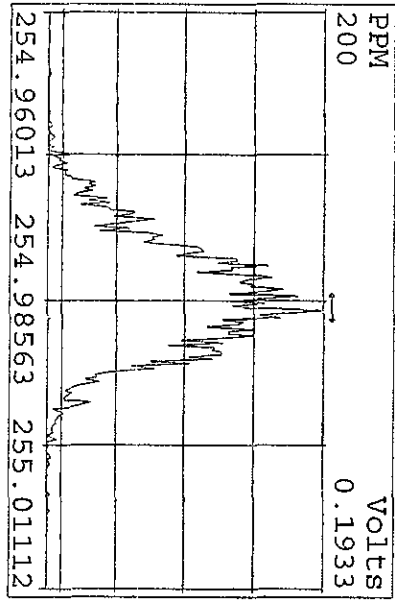
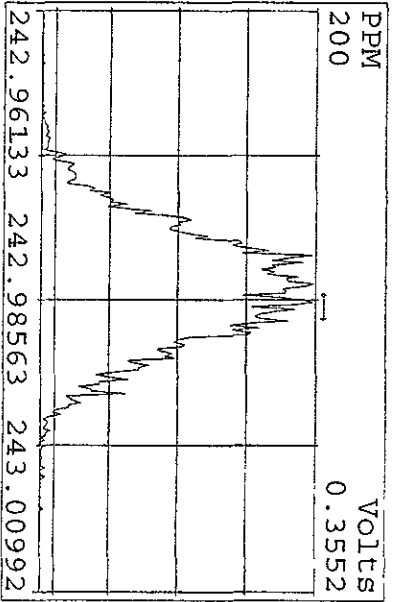
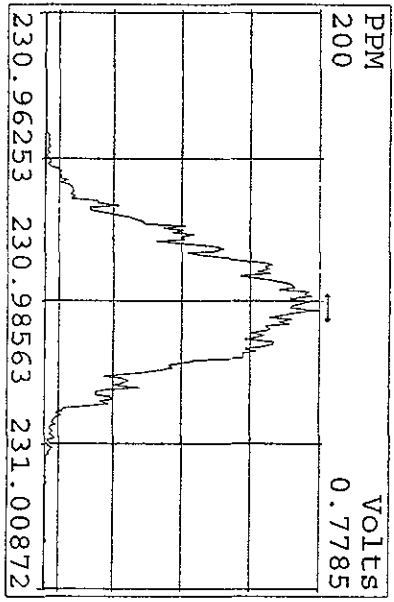
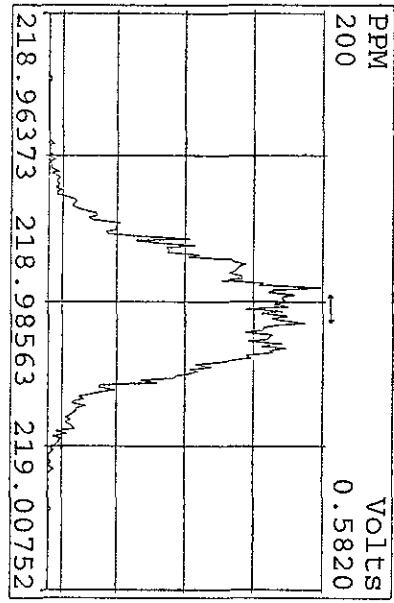
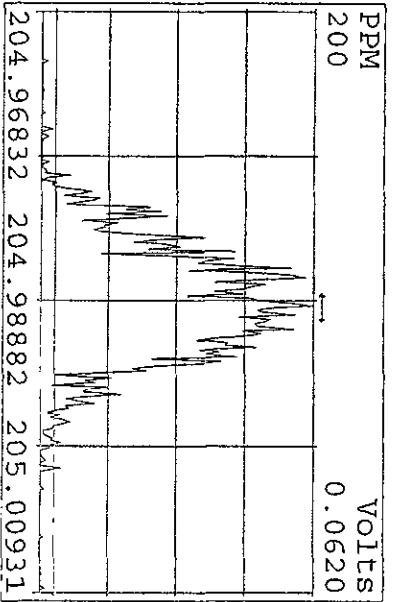
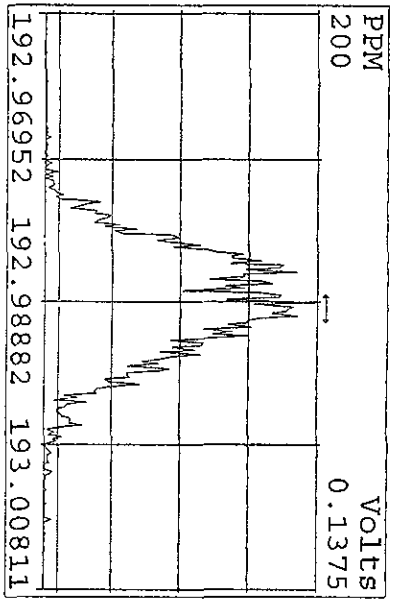
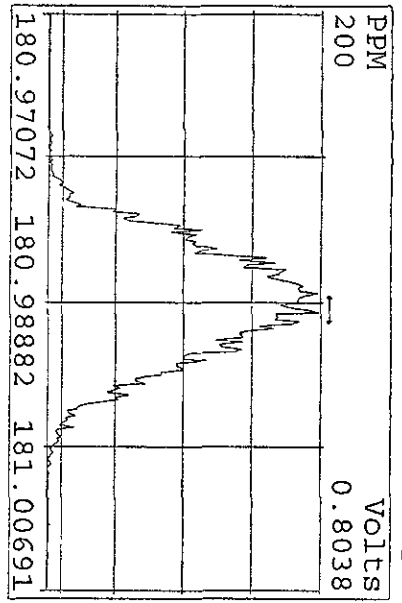
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 Run #6 Filename 13AP09B9D5 S: 1 I: 1  
 Acquired: 13-APR-09 12:55:38 Processed: 13-APR-09 19:03:03  
 Run: 13AP09B9D5 Analyte: 1668MSL Cal: 1668MSL0115099D5 Results: 13AP09B9D51668MSL

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	112803800	0.65 y	24:43	-	100.00	-	n
13C-TCB-81	105425900	0.76 y	26:16	0.93	100.00	-1.3	n
TCB-81	64381300	0.73 y	26:17	1.22	50.00	-4.5	n
13C-TCB-77	106016400	0.79 y	26:50	0.94	100.00	-4.3	n
TCB-77	57882400	0.72 y	26:51	1.09	50.00	-1.0	n
13C-PeCB-123	110147500	0.66 y	28:12	0.98	100.00	12.0	n
PeCB-123	86171600	0.58 y	28:13	1.56	50.00	3.7	n
13C-PeCB-118	109509700	0.65 y	28:20	0.97	100.00	-1.4	n
PeCB-118/106	87961300	0.58 y	28:21	1.61	50.00	5.1	n
13C-PeCB-114	115261300	0.67 y	28:59	1.02	100.00	5.7	n
PeCB-114	96062800	0.58 y	29:00	1.67	50.00	5.1	n
13C-PeCB-105	110794100	0.66 y	29:51	0.98	100.00	9.5	n
PeCB-105/127	80466300	0.60 y	29:52	1.45	50.00	2.1	n
13C-PeCB-126	108483400	0.64 y	31:45	0.96	100.00	5.5	n
PeCB-126	68302200	0.59 y	31:46	1.26	50.00	7.3	n
13C-OcCB-202	148019500	0.85 y	34:03	-	100.00	-	n
13C-HxCB-167	111675500	1.25 y	32:52	0.75	100.00	10.3	n
HxCB-167	114309800	1.20 y	32:51	2.05	50.00	75.1	n
13C-HxCB-156	87914200	1.24 y	34:11	0.59	100.00	-11.4	n
HxCB-156	61507400	1.23 y	34:12	1.40	50.00	-3.6	n
13C-HxCB-157	94041600	1.25 y	34:29	0.64	100.00	-10.1	n
HxCB-157	63972600	1.19 y	34:30	1.36	50.00	-5.9	n
13C-HxCB-169	94887300	1.23 y	36:18	0.64	100.00	-12.6	n
HxCB-169	45544200	1.21 y	36:19	0.96	50.00	-3.0	n
13C-HpCB-180	85741000	1.05 y	35:08	0.58	100.00	-0.9	n
HpCB-180	55039300	1.07 y	35:09	1.28	50.00	1.5	n
13C-HpCB-170	73493600	1.06 y	36:47	0.50	100.00	4.7	n
HpCB-170/190	58796500	1.05 y	36:48	1.60	50.00	-0.4	n
13C-HpCB-189	93873600	1.04 y	38:24	0.63	100.00	6.0	n
HpCB-189	59770500	1.06 y	38:25	1.27	50.00	5.6	n
13C-PeCB-111	143989300	0.66 y	26:09	1.30	100.00	-4.6	n

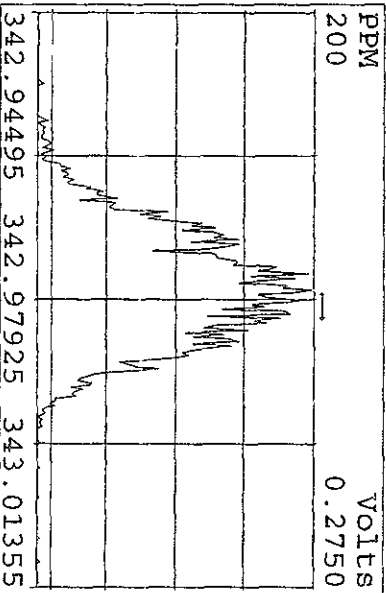
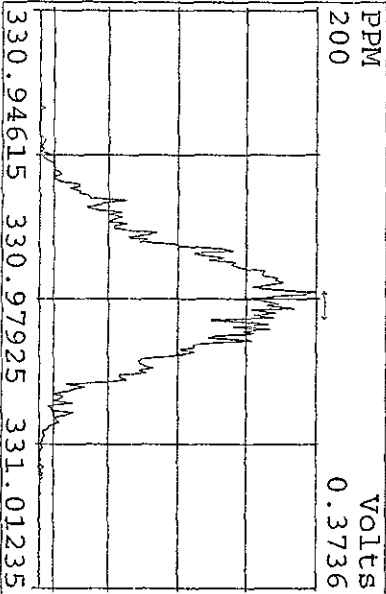
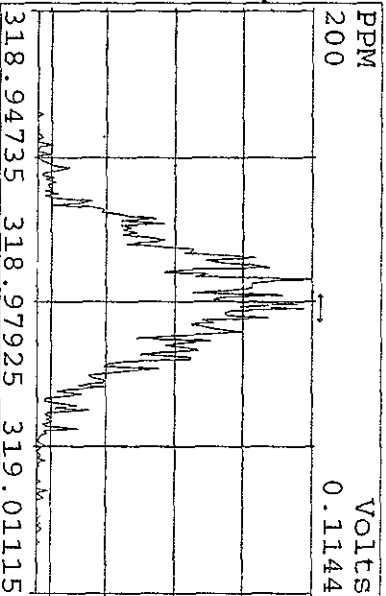
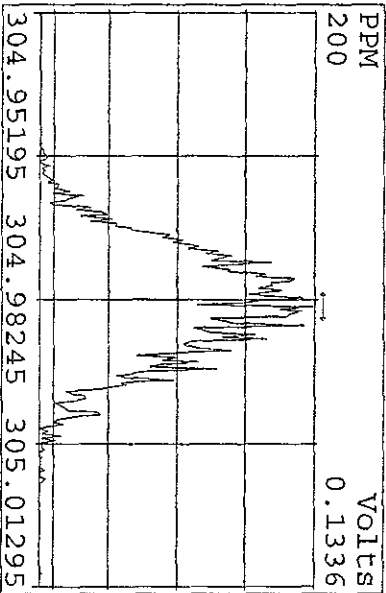
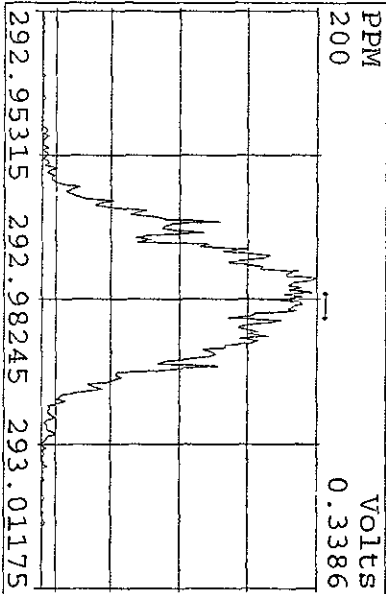
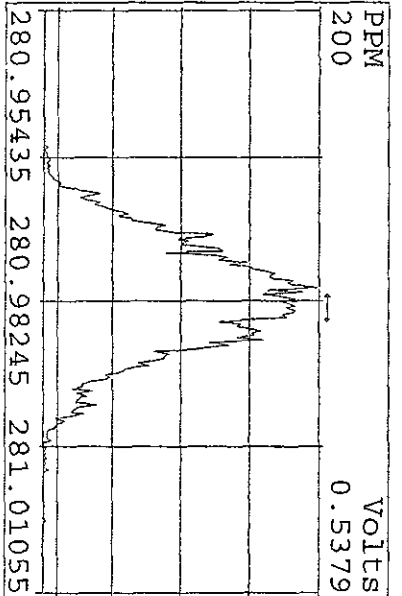
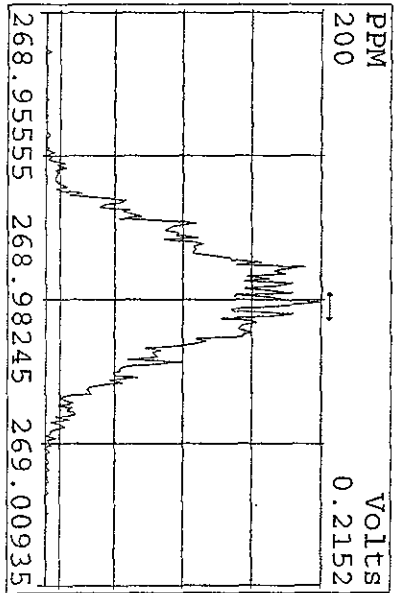
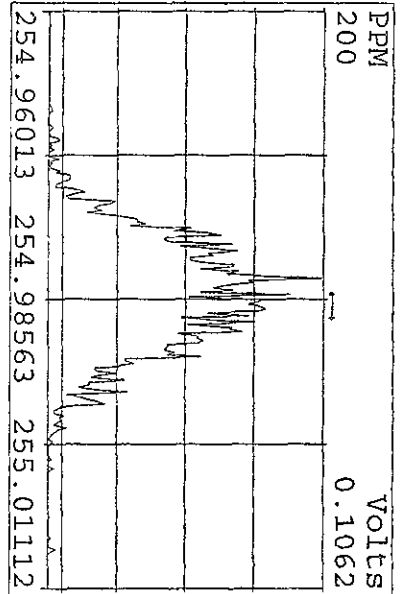
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13AP09B9D5	3	SB0409	Solvent Blank C-12				1.00000	
13AP09B9D5	4	K9DN1-1-AA	G9C310247-1 (5X)	20	1668/AIR	21	0.50000	Sam
13AP09B9D5	5	K9DN8-1-AA	G9C310247-2 (5X)	20	1668/AIR		0.50000	Sam
13AP09B9D5	6	K9DPC-1-AA	G9C310247-3 (5X)	20	1668/AIR		0.50000	Sam
13AP09B9D5	7	K9DPF-1-AA	G9C310247-4 (5X)	20	1668/AIR		0.50000	Sam
13AP09B9D5	8						1.00000	
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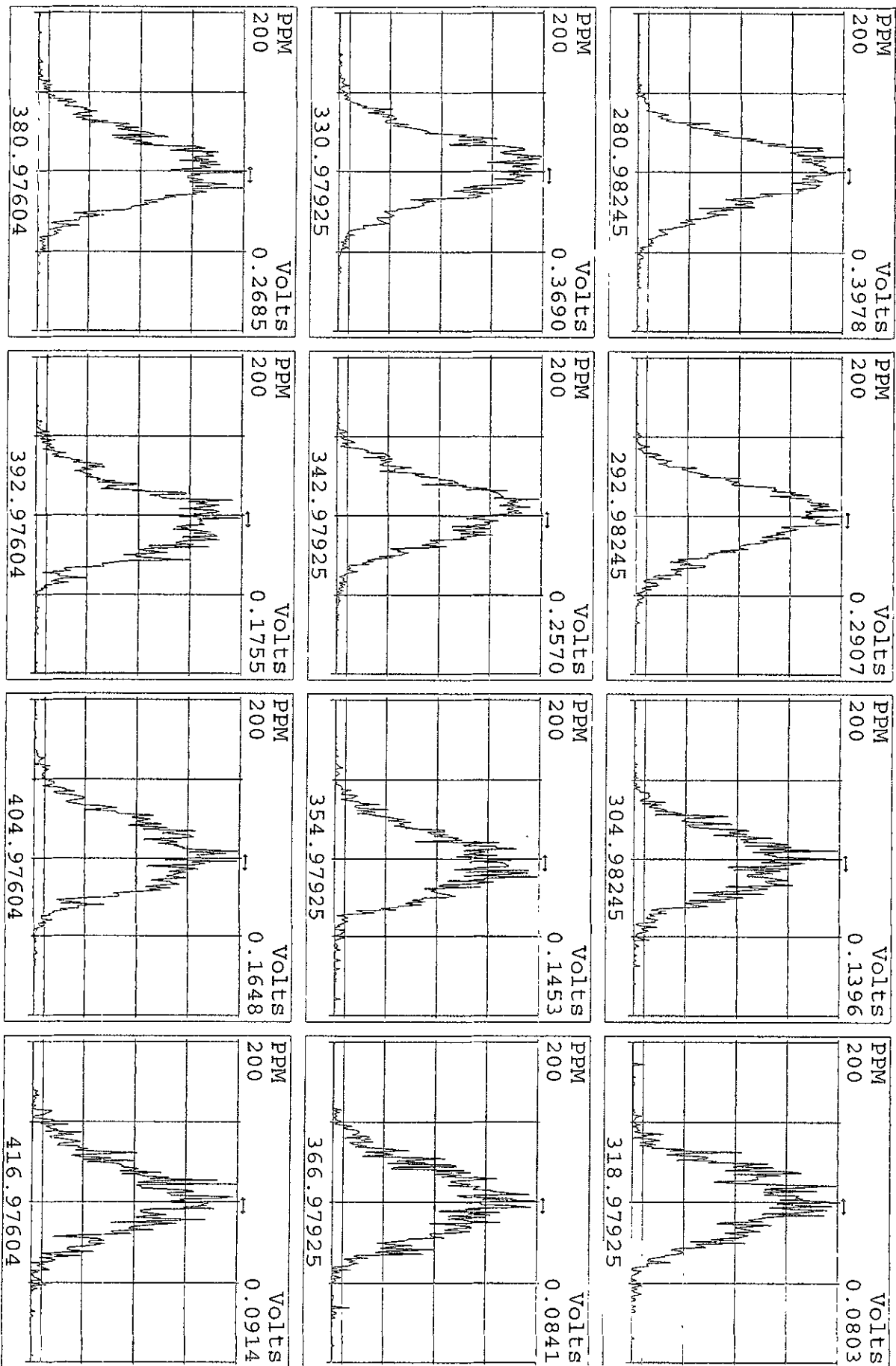
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 Experiment:209DB5 Function:1 Reference:PFK



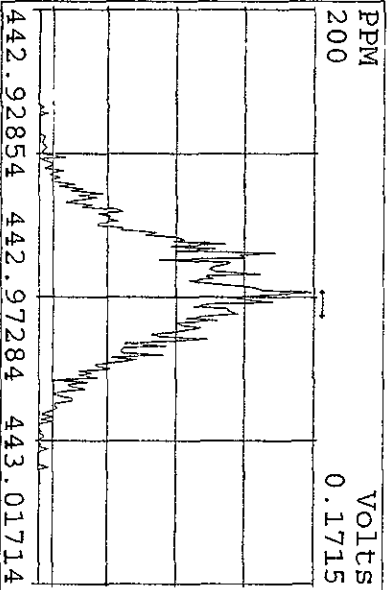
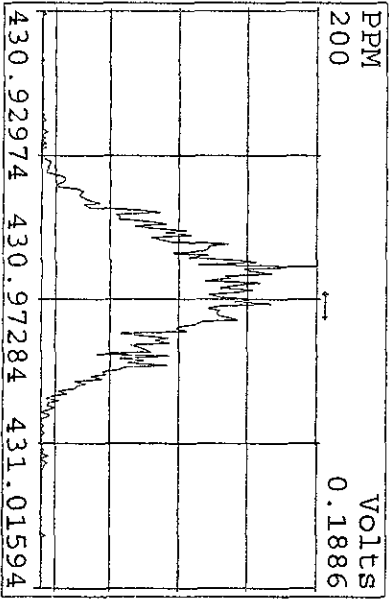
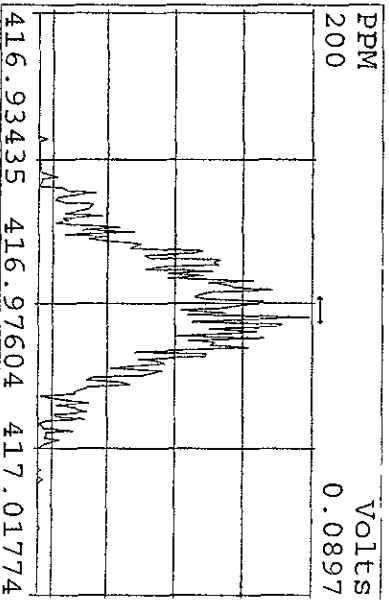
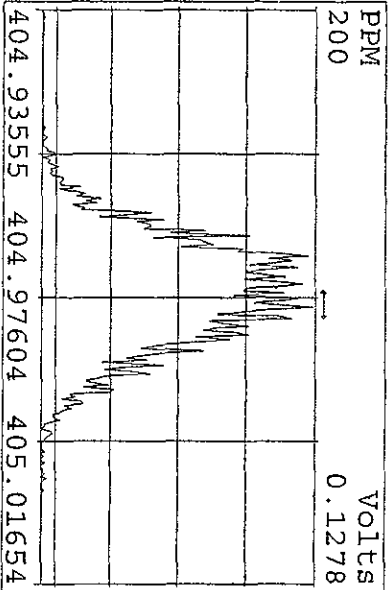
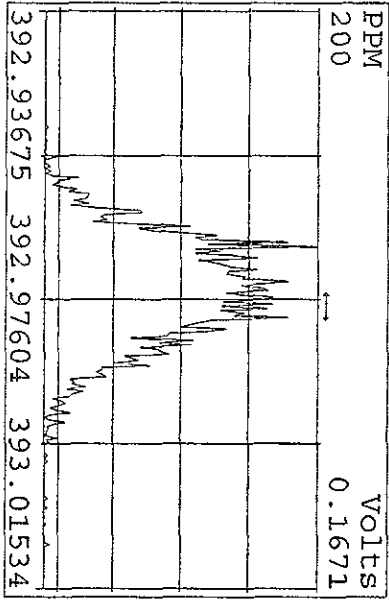
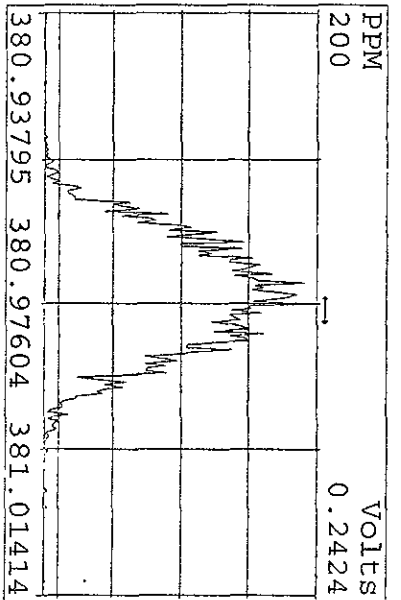
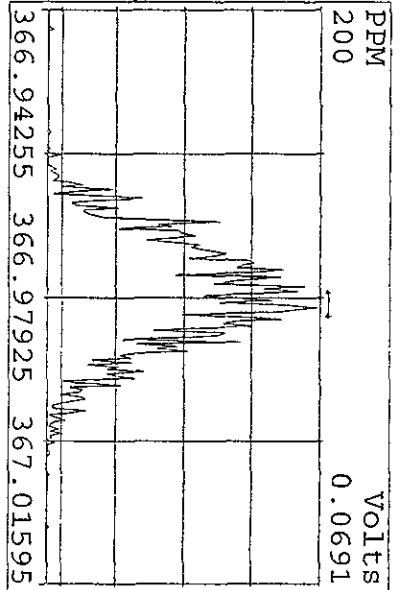
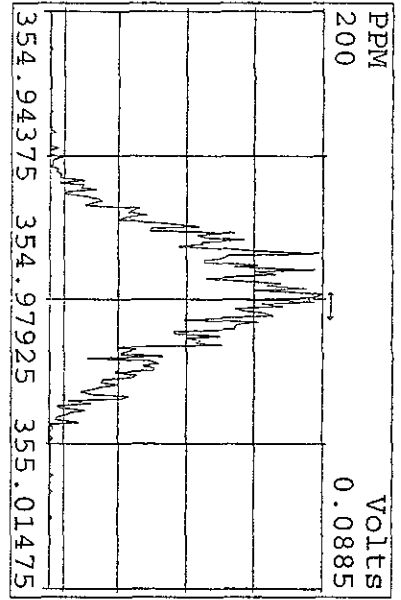
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 Experiment:209DB5 Function:2 Reference:PFK



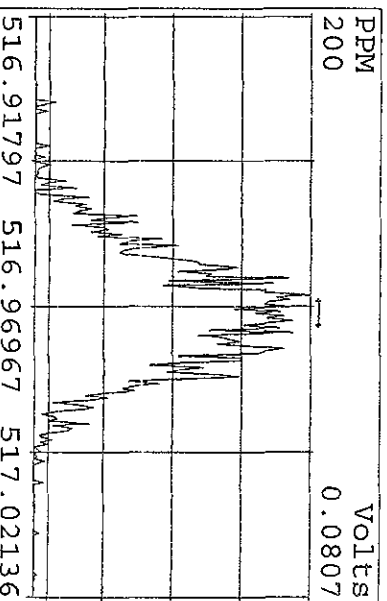
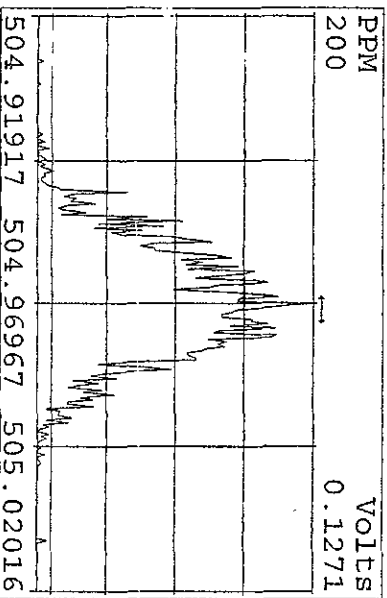
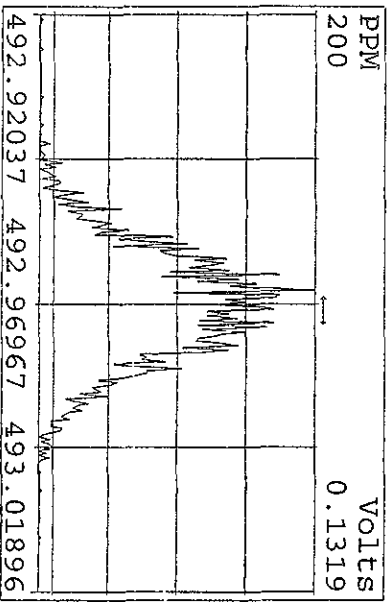
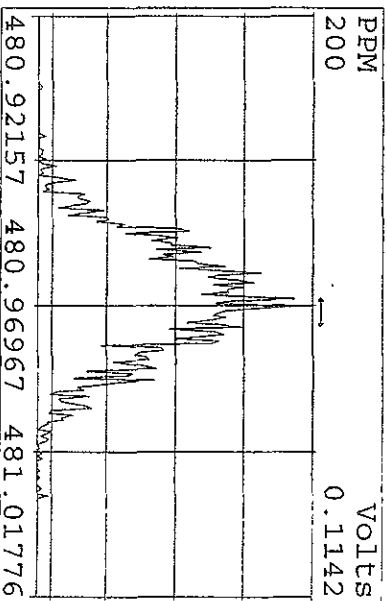
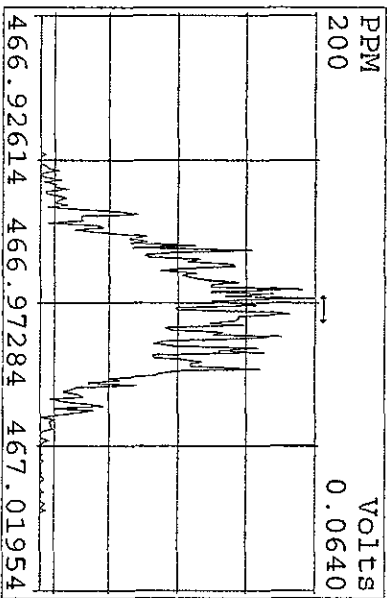
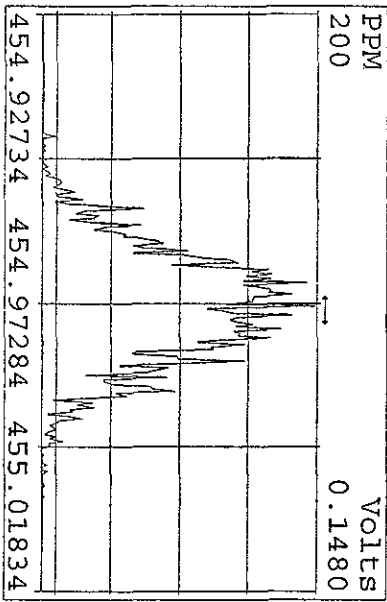
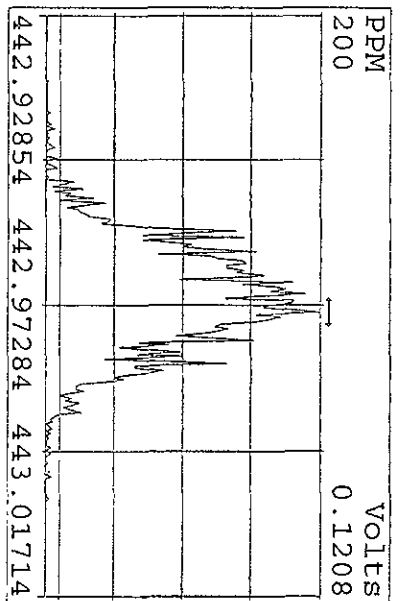
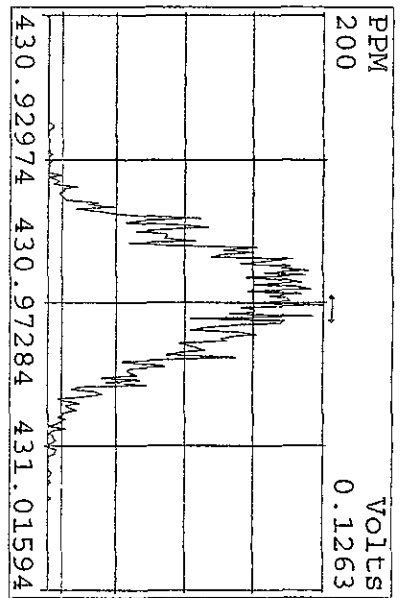
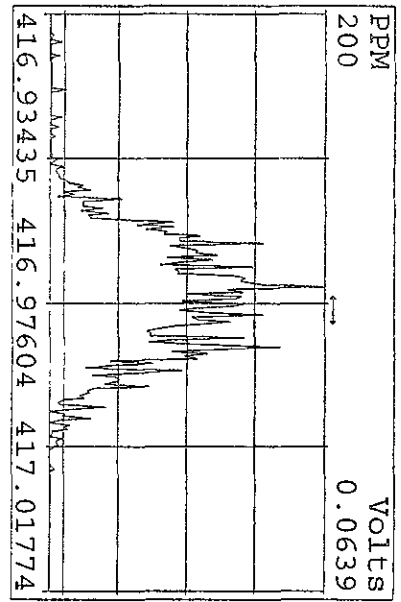
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Experiment:209DB5 Function:3 Reference:PFK



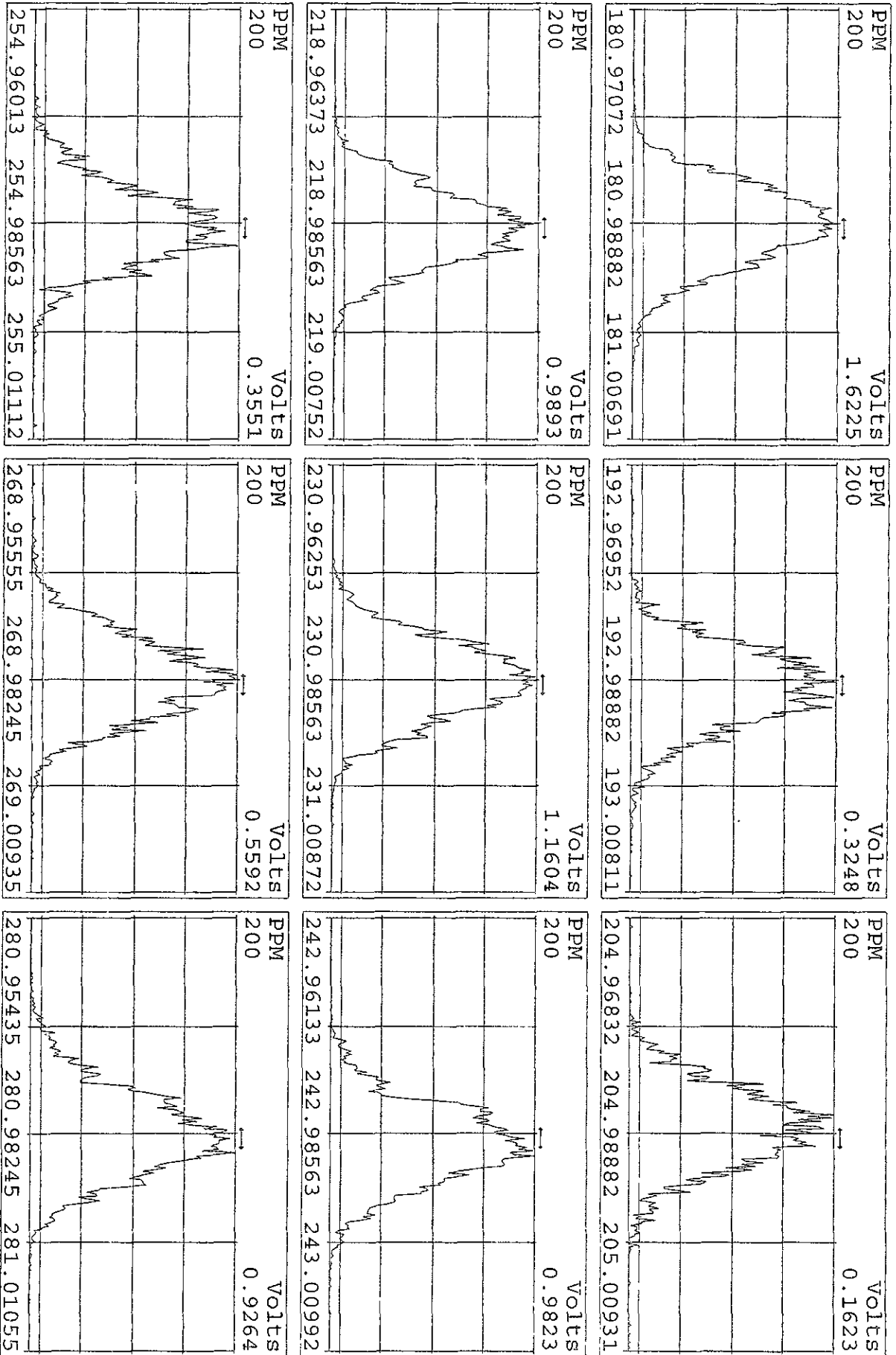
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 Experiment:209DB5 Function:4 Reference:PFK



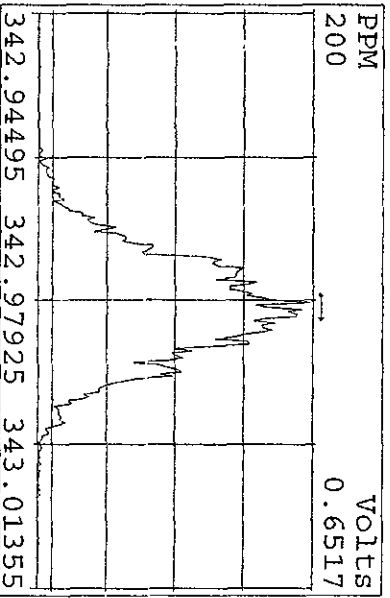
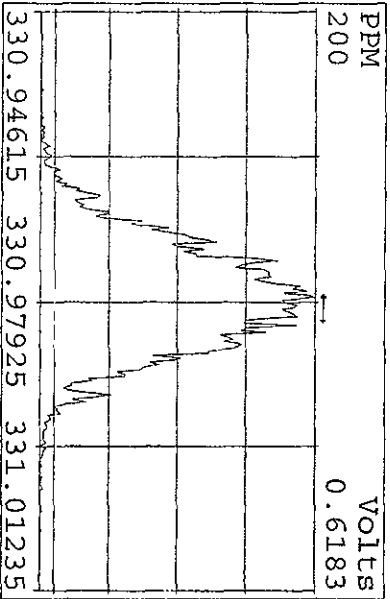
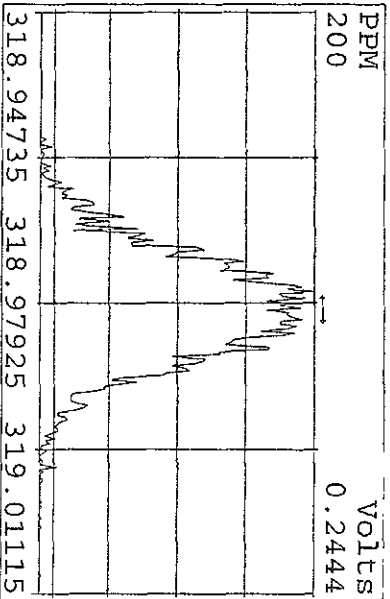
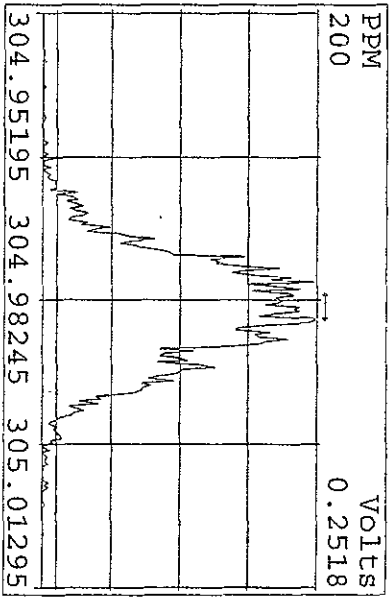
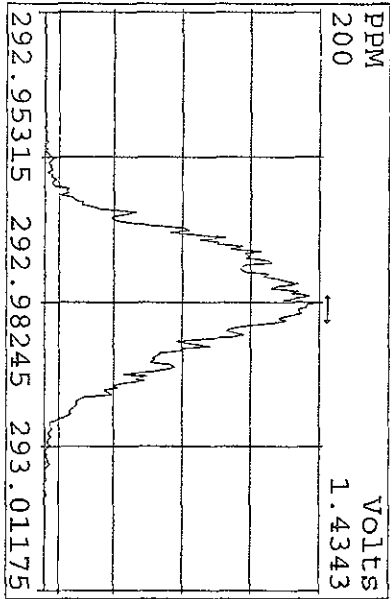
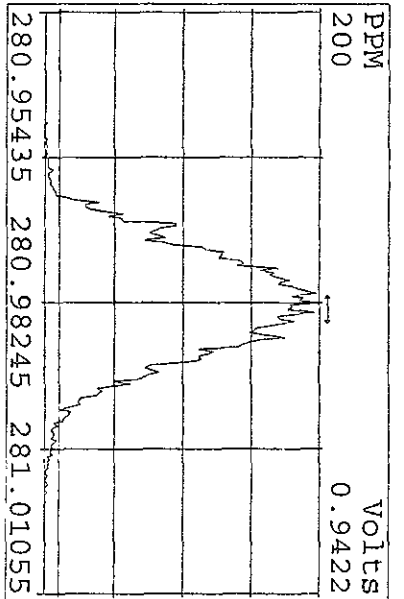
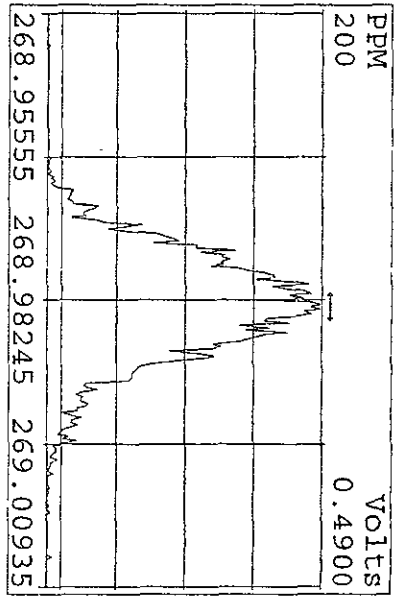
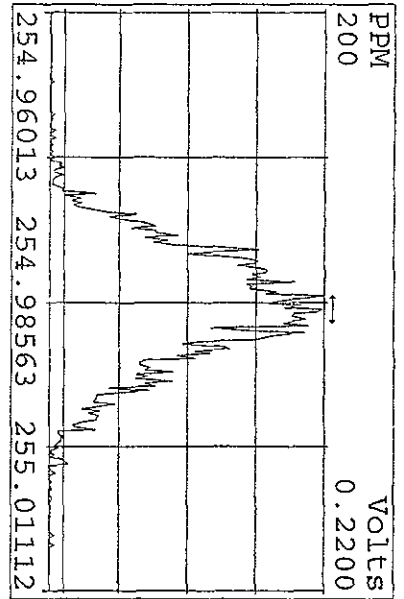
Peak Locate Examination:13-APR-2009:12:55 File:13AP09B9D5  
 Experiment:209DB5 Function:5 Reference:PFK



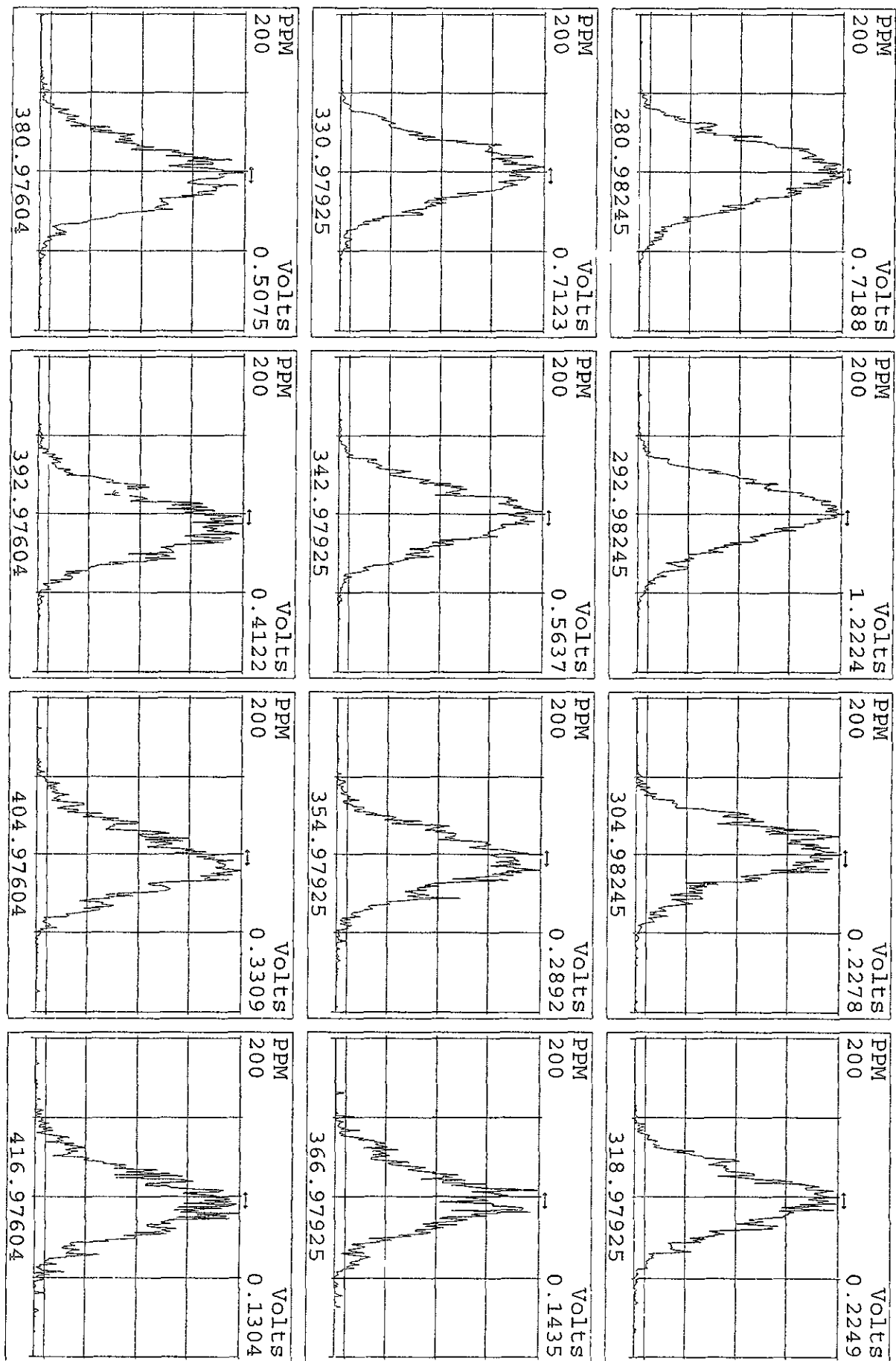
Peak Locate Examination:13-APR-2009:20:15 File:RESCHK13AP09B9D5  
 Experiment:209DB5 Function:1 Reference:PFK



Peak Locate Examination: 13-APR-2009: 20:16 File: RESCHK13AP09B9D5  
 Experiment: 209DB5 Function: 2 Reference: PFK

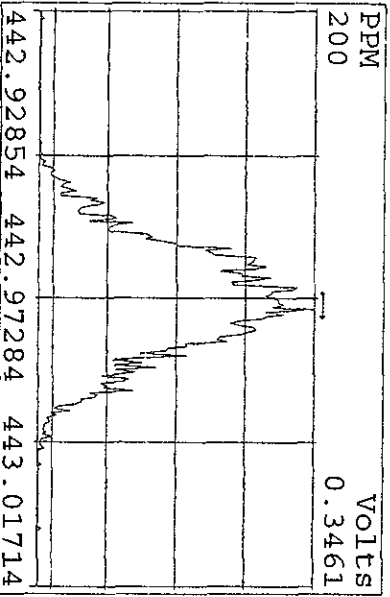
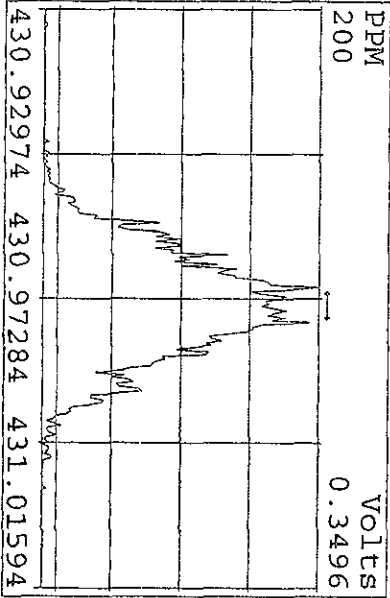
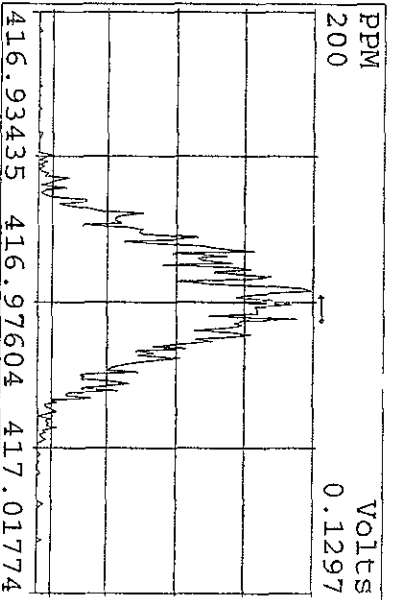
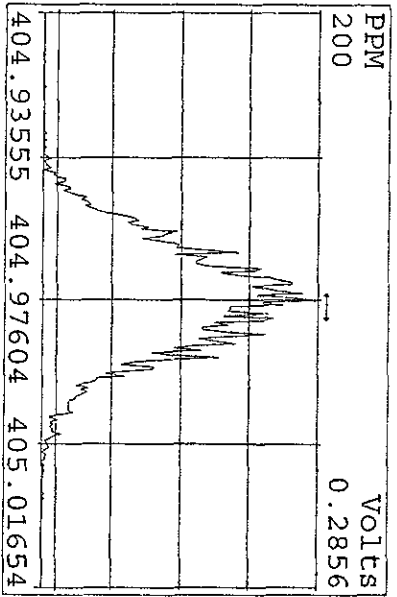
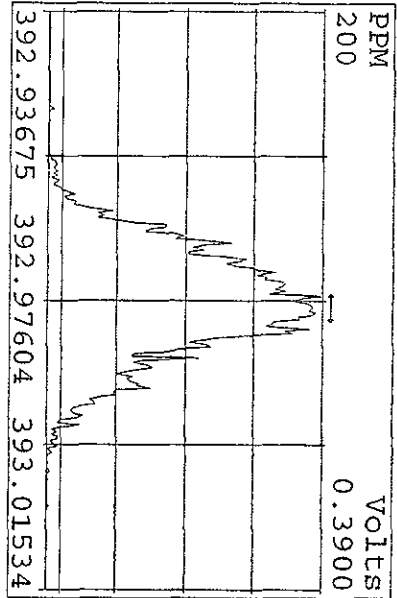
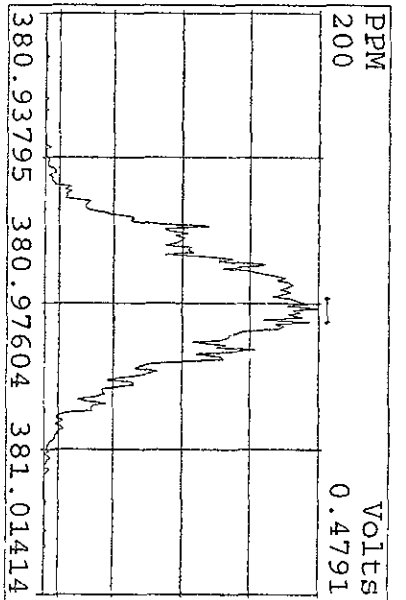
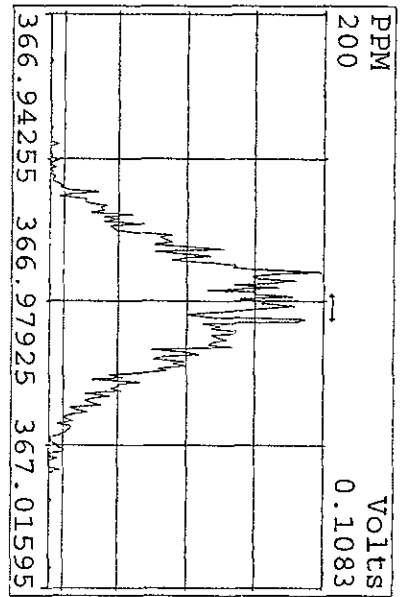
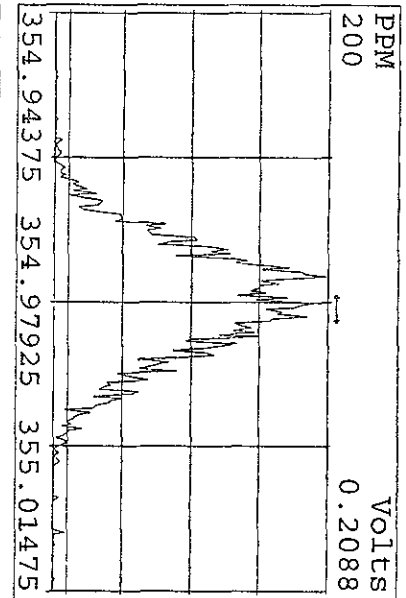


Peak Locate Examination:13-APR-2009:20:17 File:RESCHK13AP09B9D5  
Experiment:209DB5 Function:3 Reference:PK

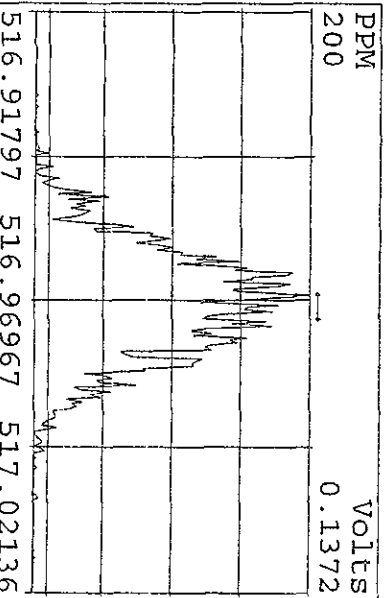
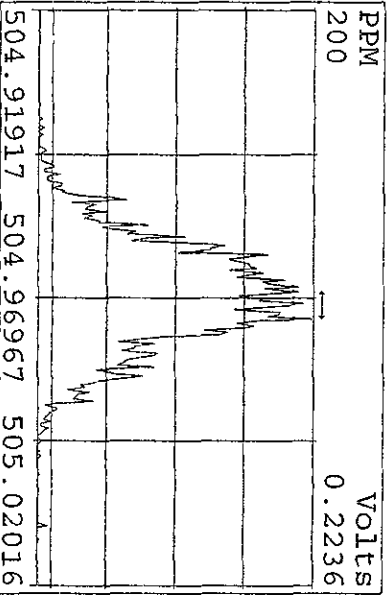
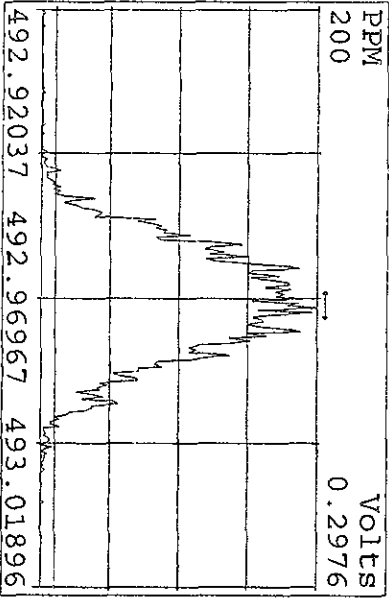
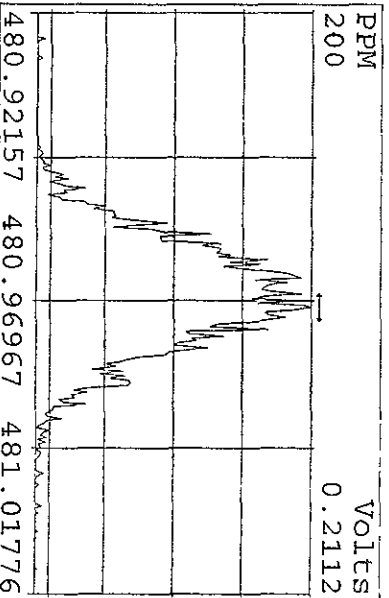
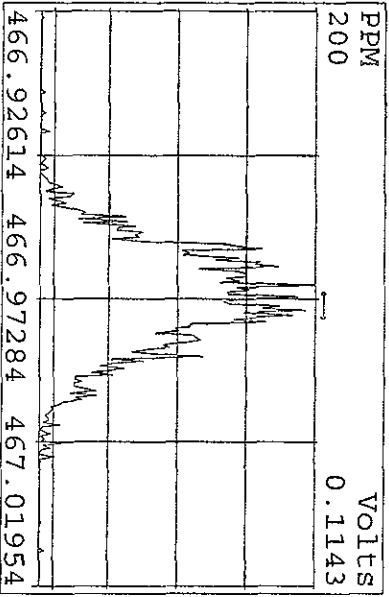
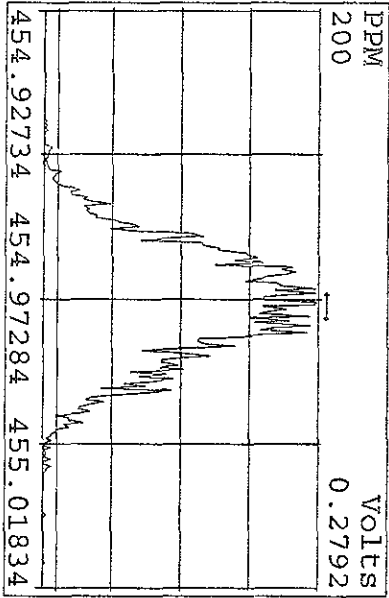
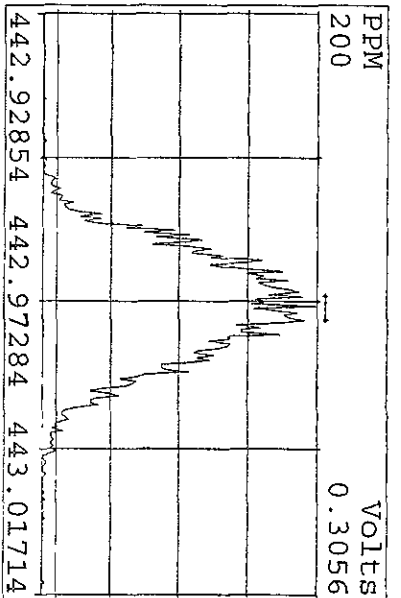
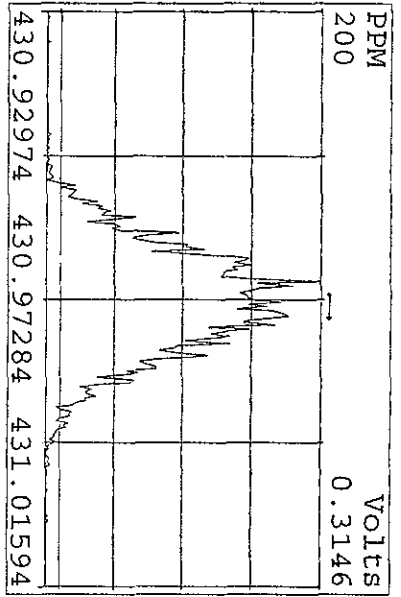
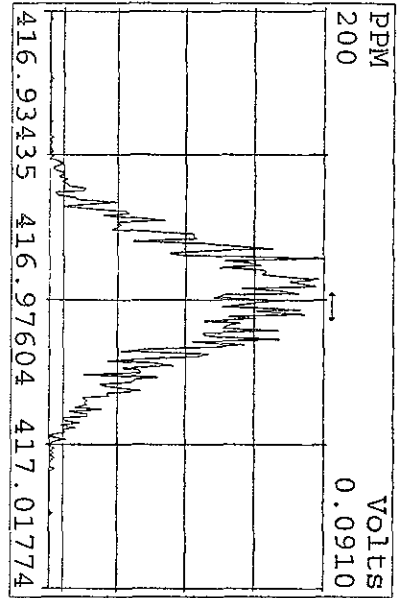




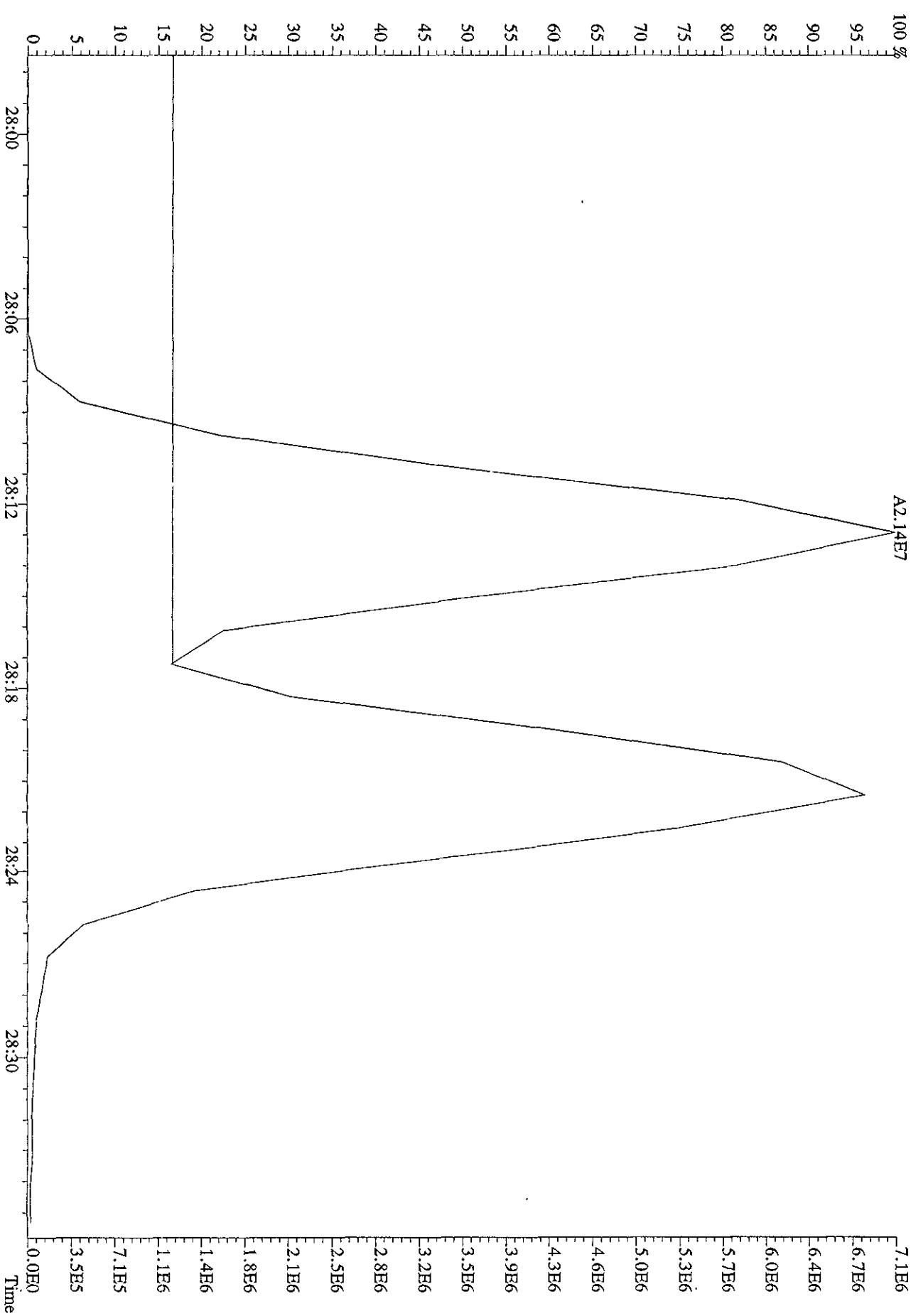
Peak Locate Examination: 13-APR-2009:20:17 File:RSCCHK13AP09B9D5  
 Experiment:209DB5 Function:4 Reference:PKK



Peak Locate Examination:13-APR-2009:20:18 File:RESCHK13AP09B9D5  
 Experiment:209DB5 Function:5 Reference:PFK



File:13AP09B9D5 #1-597 Acq:13-APR-2009 12:55:38 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0409 :CS3 09DXN016 Exp:209DB5  
 323.8834 F:3



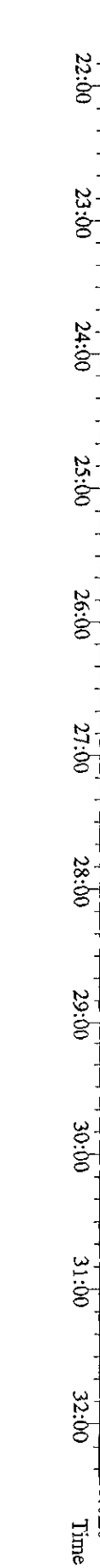
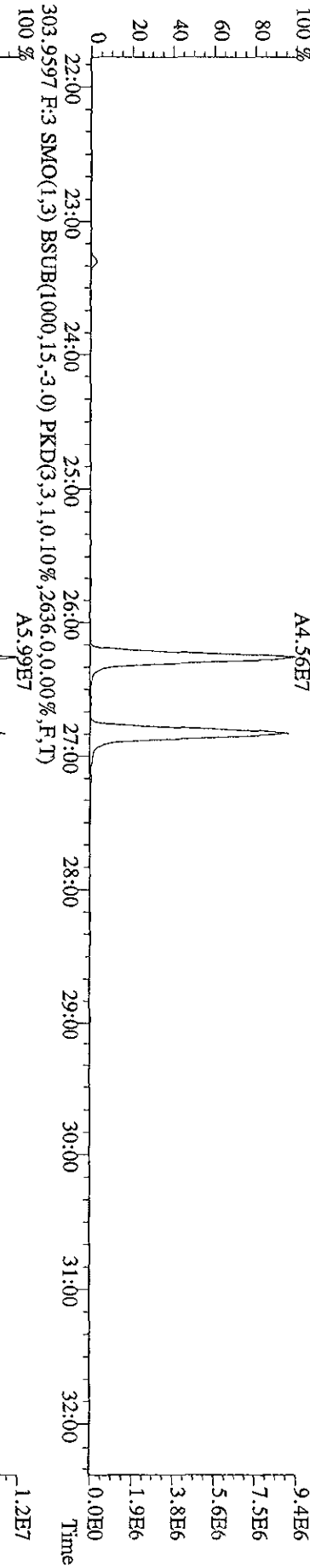
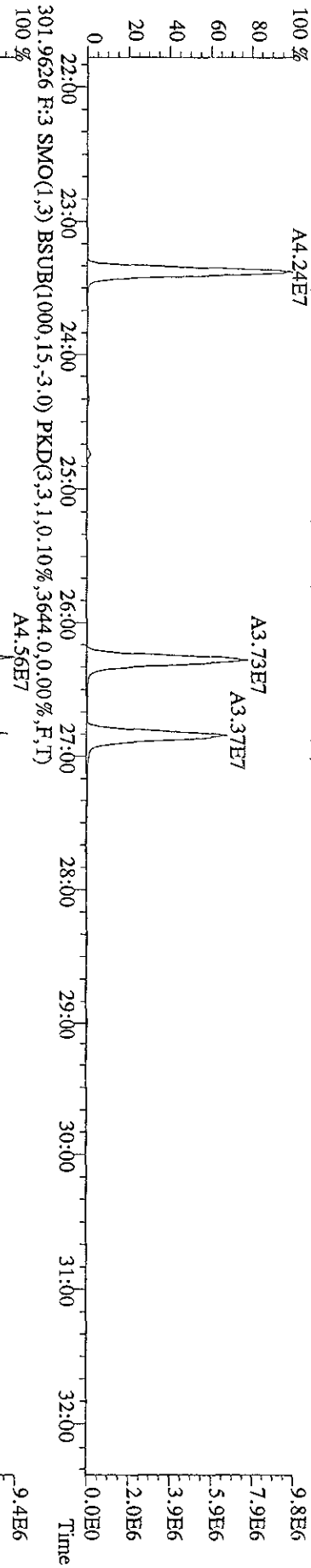
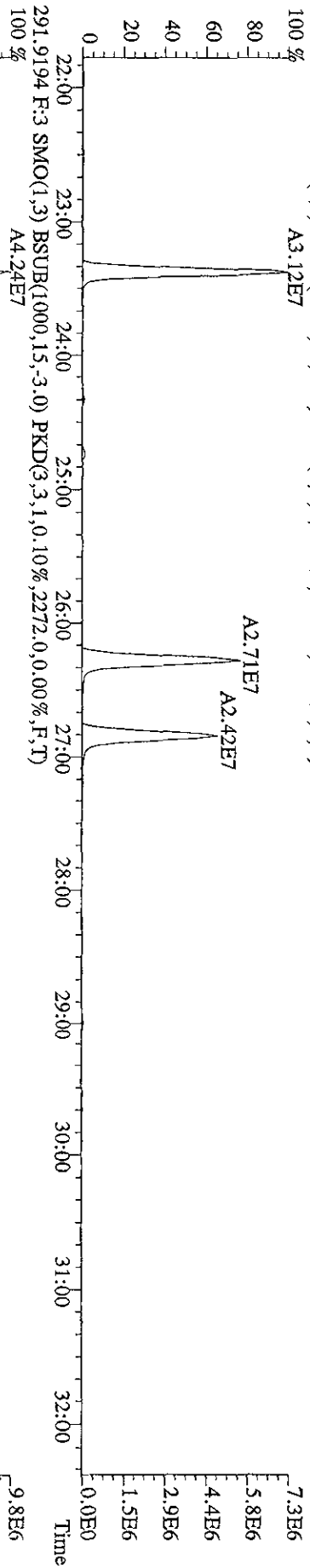
ST0115 : CS1 09DXN014 ST0115A : CS2 09DXN015 ST0115B : CS3 09DXN016  
 ST0115C : CS4 09DXN017 ST0115D : CS5 09DXN018

157A09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

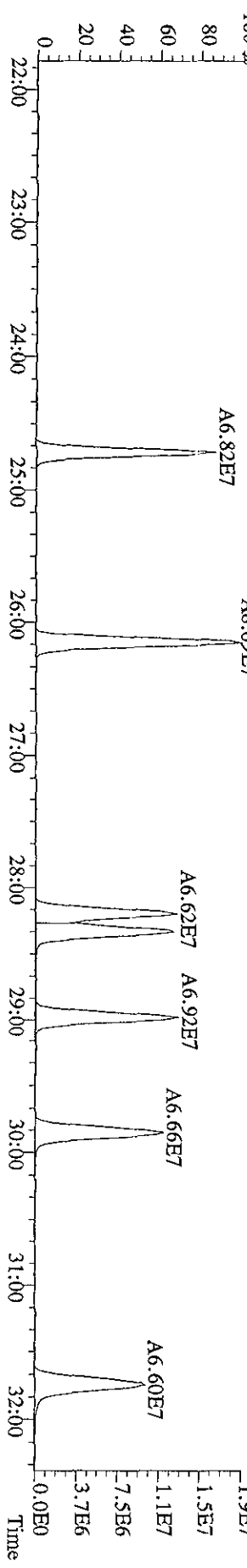
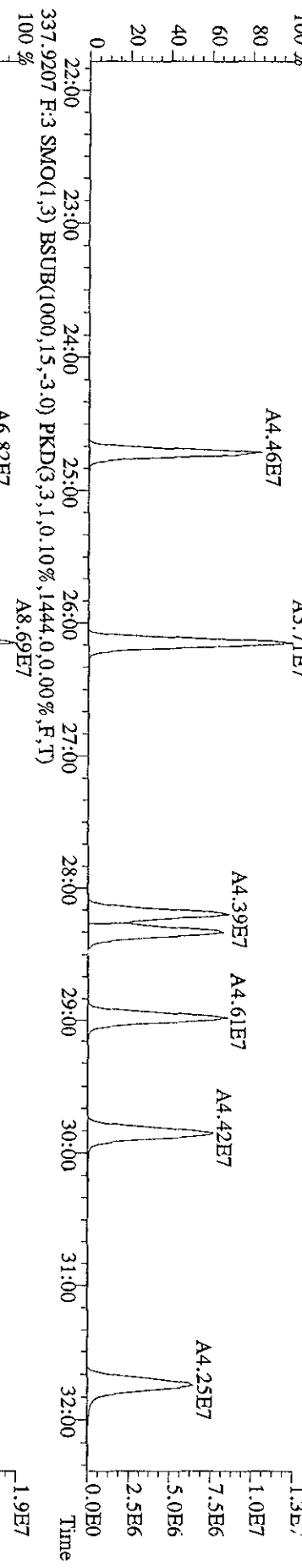
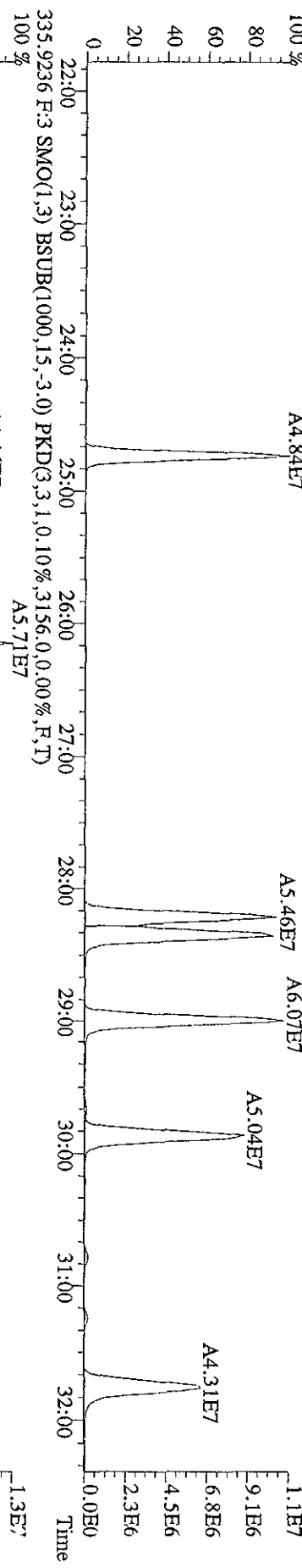
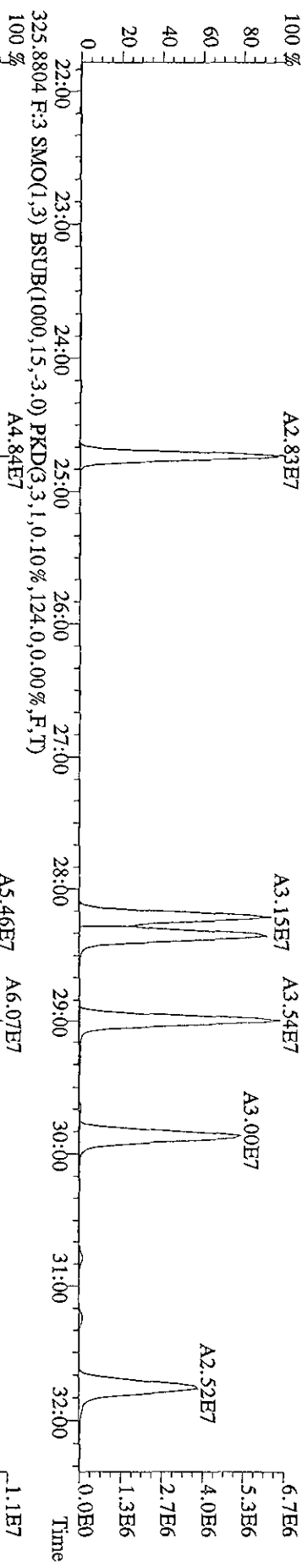
Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
13C-PecB-101	-	-	- %	-	-	-	-	-
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PecB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PecB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PecB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PecB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PecB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PecB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PecB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PecB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PecB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PecB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-PeCB-111	1.362	0.054	3.98 %	1.40	1.39	1.37	1.39	1.27

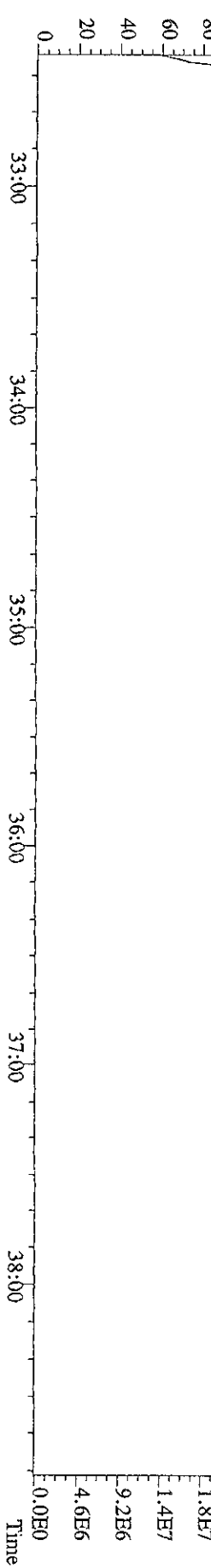
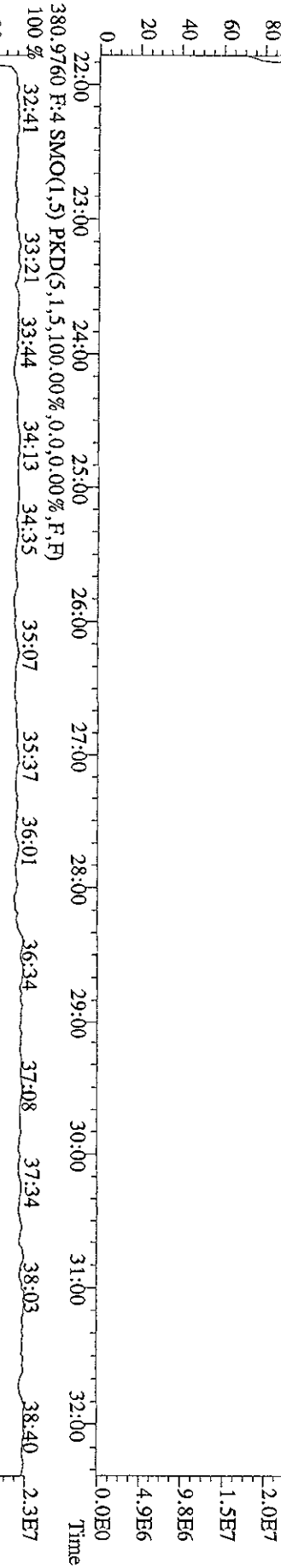
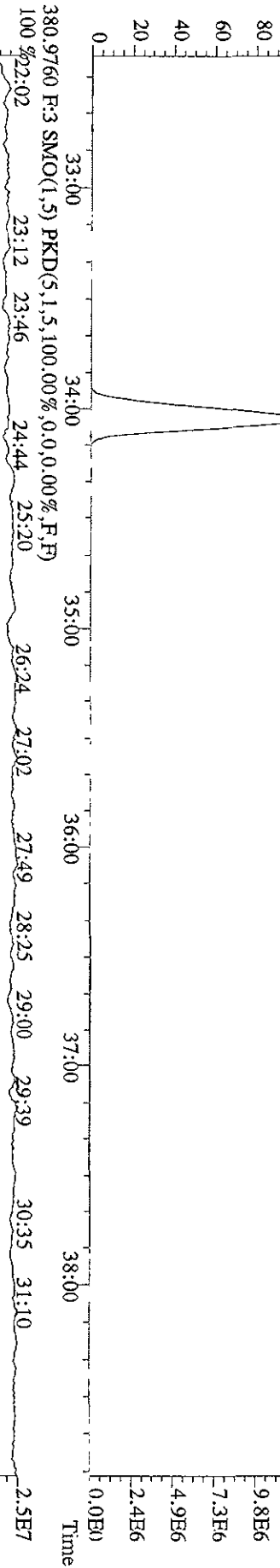
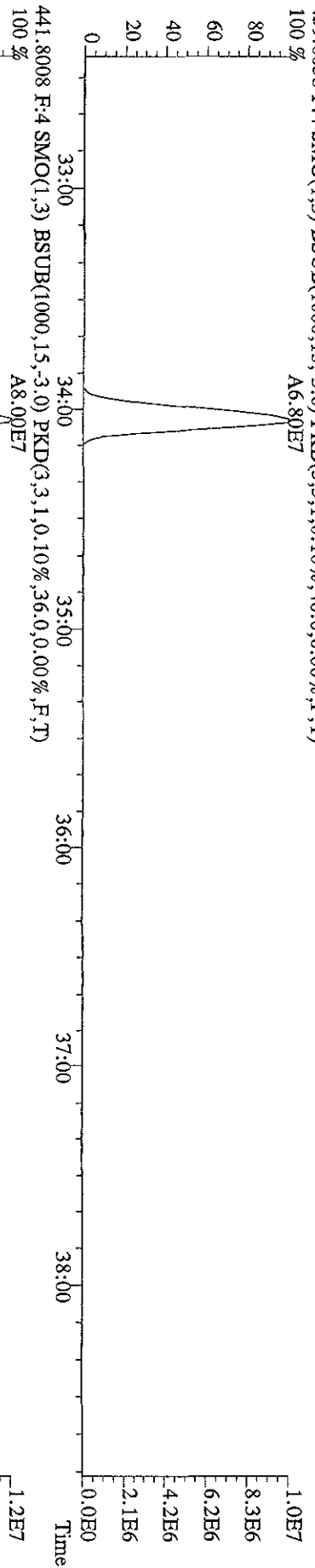
File:13AP09B9D5 #1-597 Acq:13-APR-2009 12:55:38 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0409 :CS3 09DXN016 Exp:209DB5  
 289.9224 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2384.0,0.00%,F,T)  
 100 % A3.12E7



File:13AP09B9D5 #1-597 Acq:13-APR-2009 12:55:38 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0409 :CS3 09DXN016 Exp:209DB5  
 323.8834 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1272,0,0,00%,F,T)  
 100 % A2.83E7



File:13AP09B9D5 #1-394 Acq:13-APR-2009 12:55:38 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#1 Text:ST0409 :CS3 09DXN016 Exp:209DB5  
 439.8038 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,40.0,0.00%,F,T)  
 100% A6.30E7





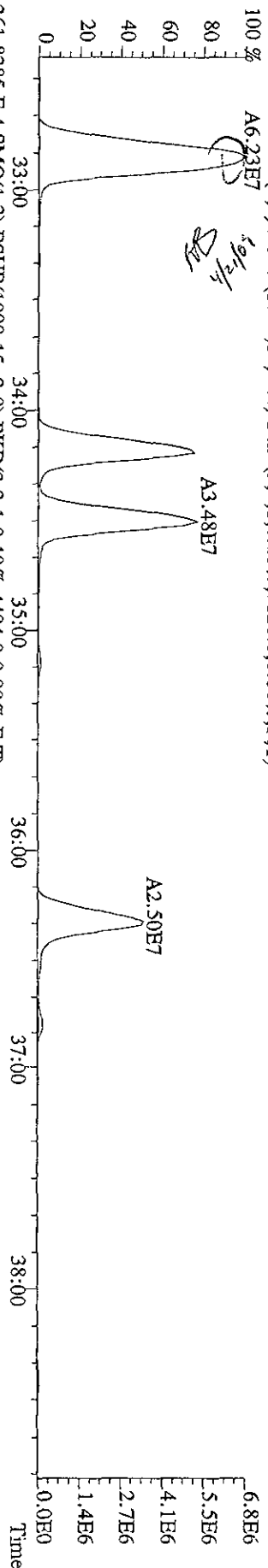
File:13ADP09B9D5 #1-394 Acq:13-APR-2009 12:55:38 GC EI+ Voltage SIR Autospec-UltimaE

Sample#1 Text:ST0409 :C53 09DXN016 Exp:209DB5

359.8415 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7128,0,0,00%,F,T)

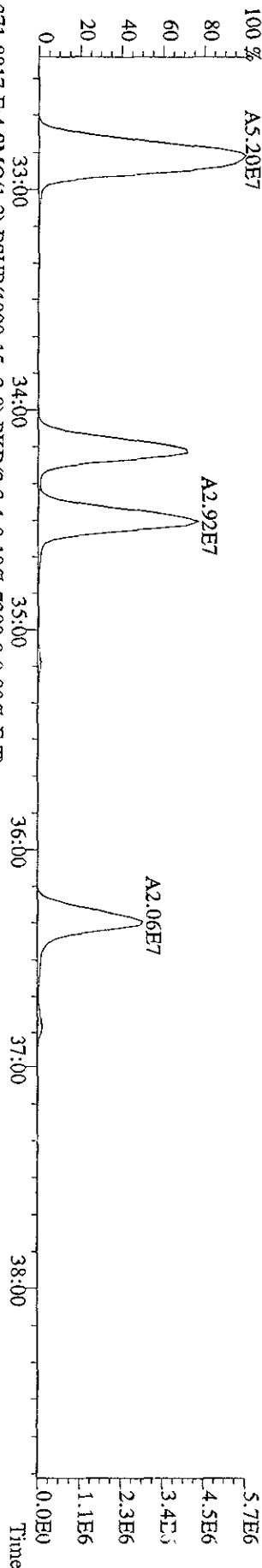
100% A6.23E7

*Handwritten:* 10/2/09



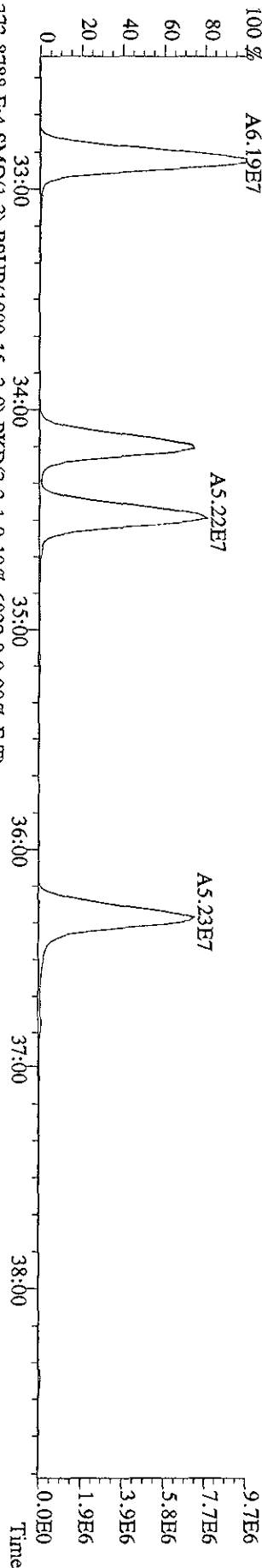
361.8385 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4484,0,0,00%,F,T)

100% A5.20E7



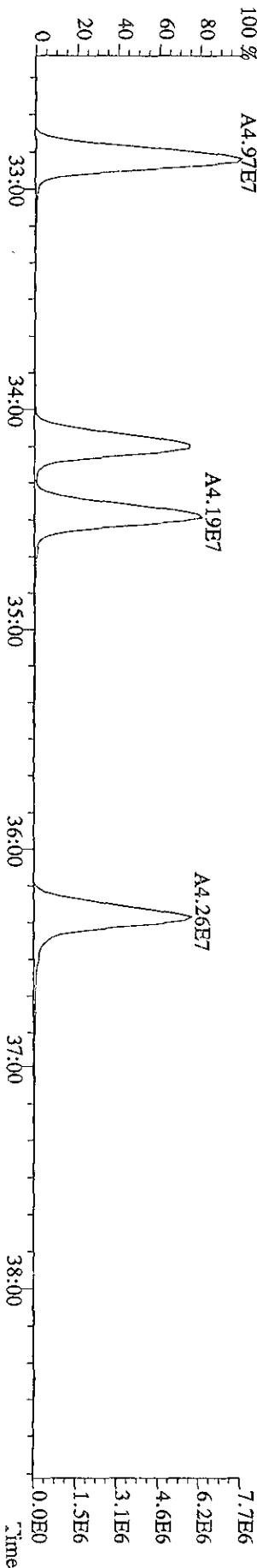
371.8817 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7380,0,0,00%,F,T)

100% A6.19E7



373.8788 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6032,0,0,00%,F,T)

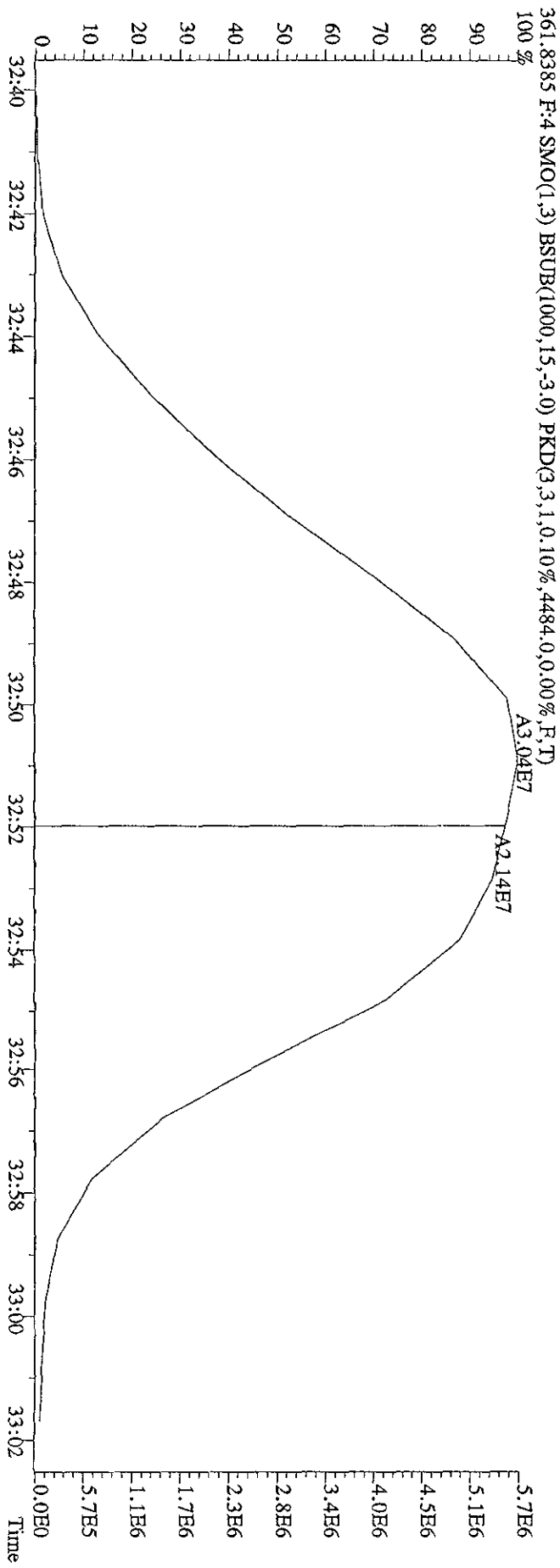
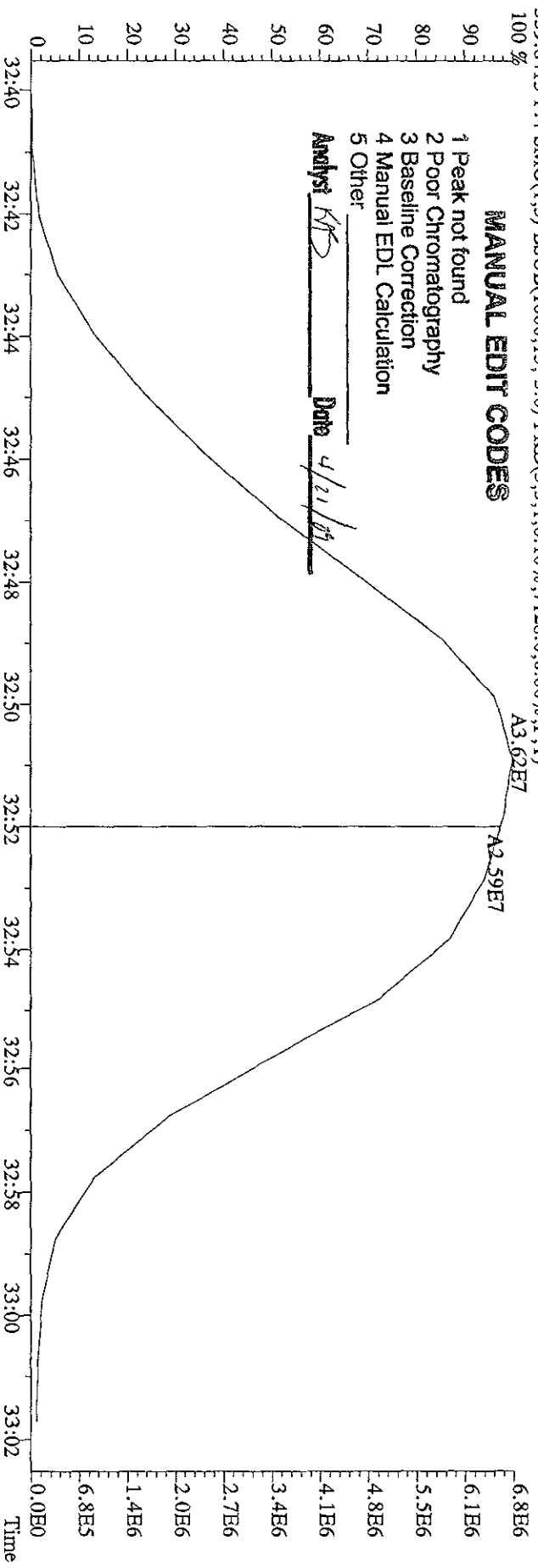
100% A4.97E7



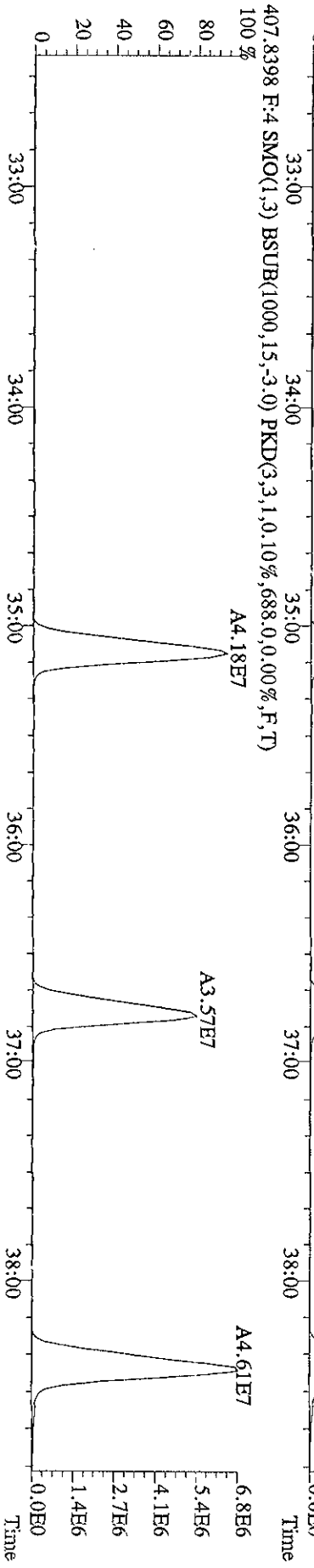
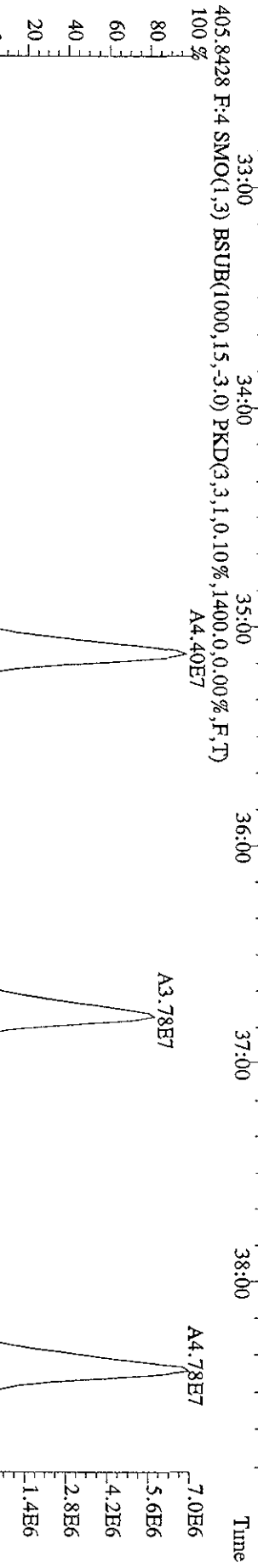
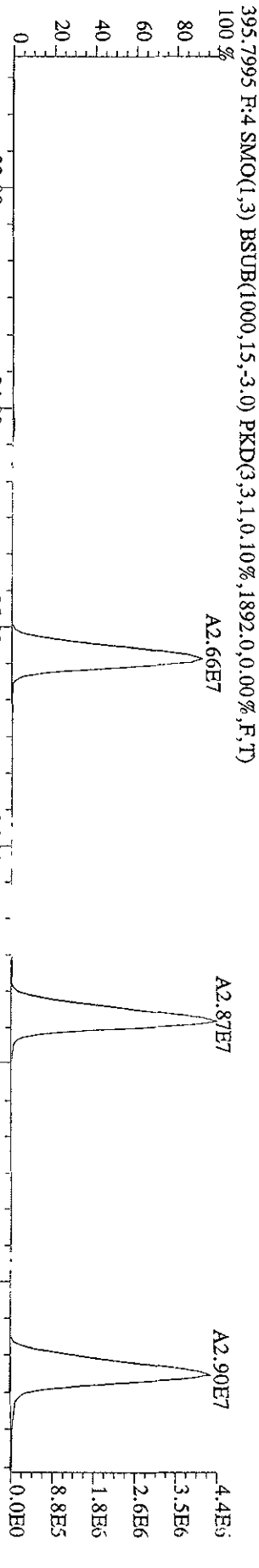
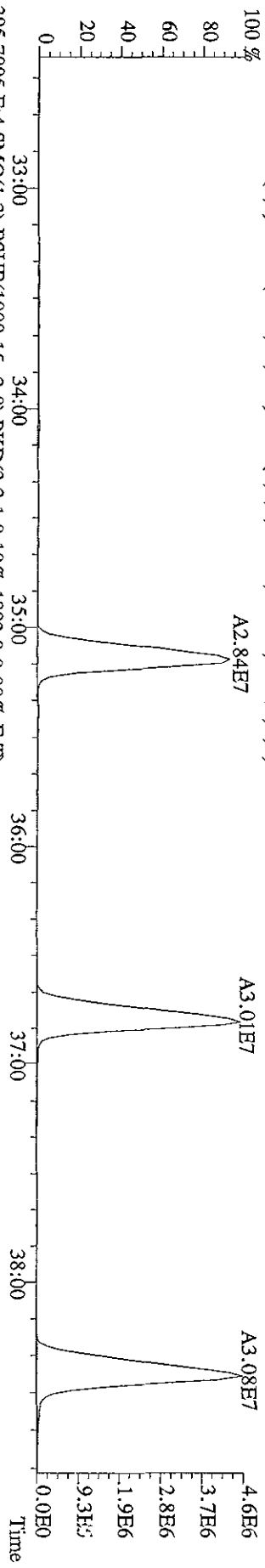
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

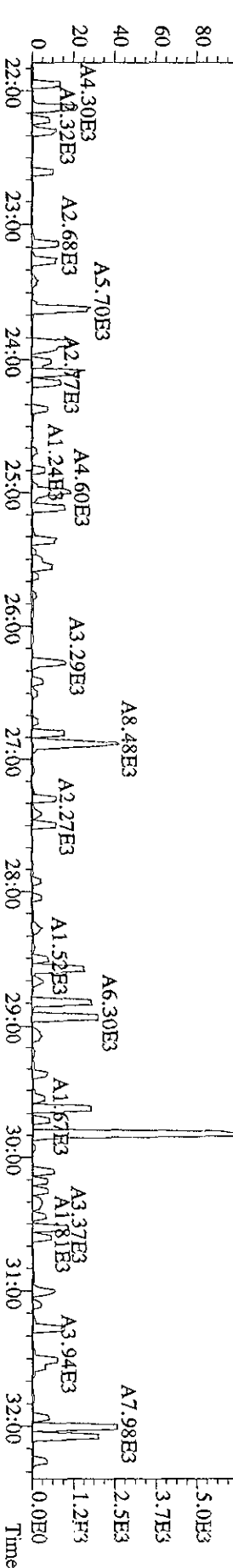
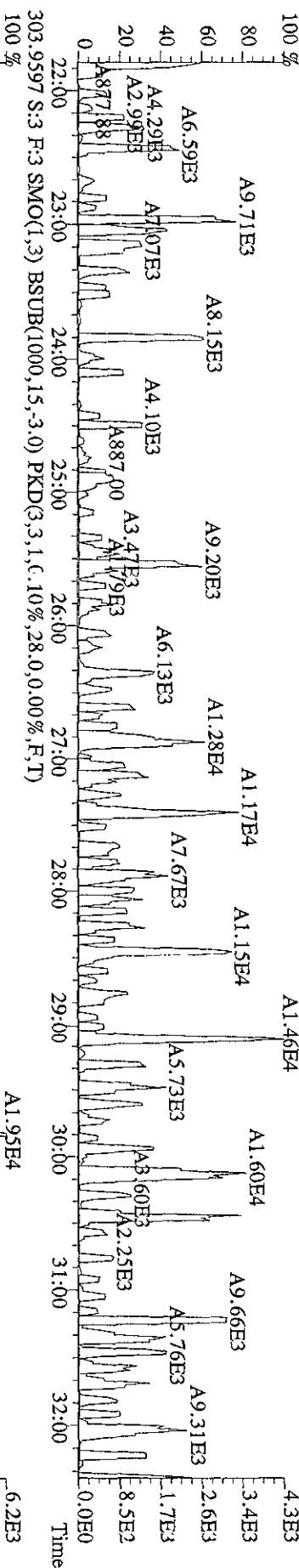
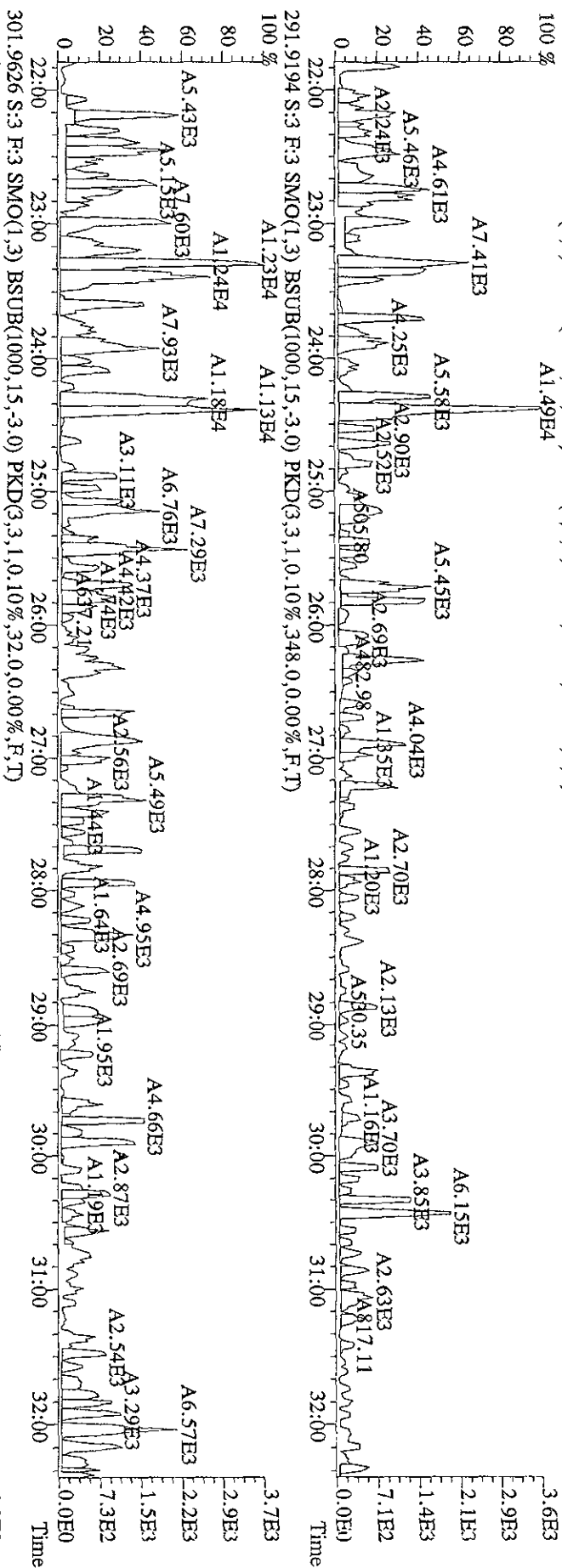
Analyst KTS Date 4/21/09



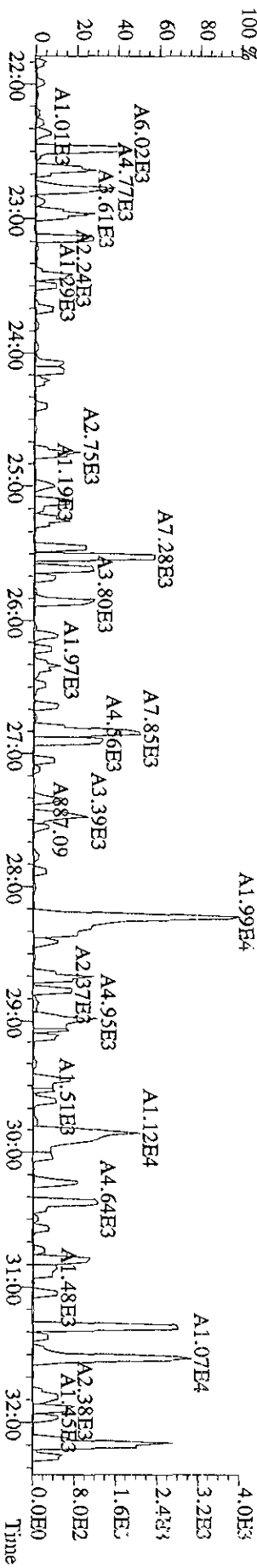
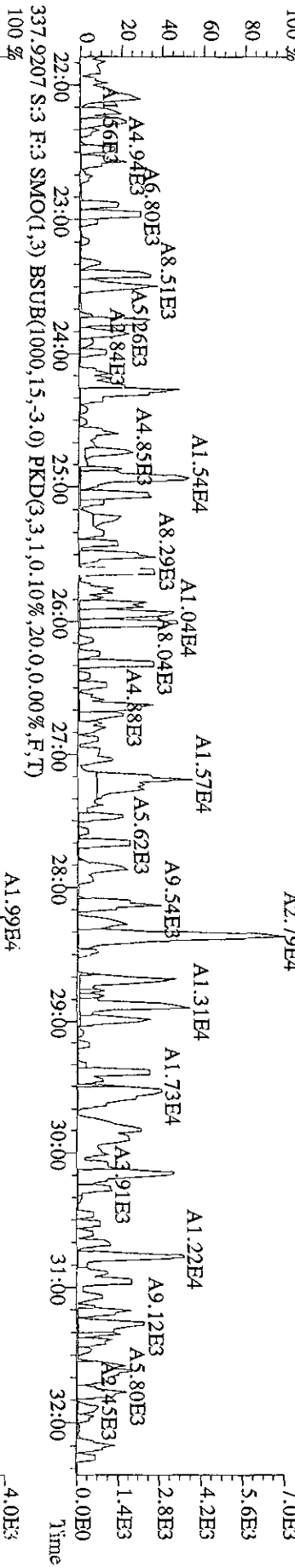
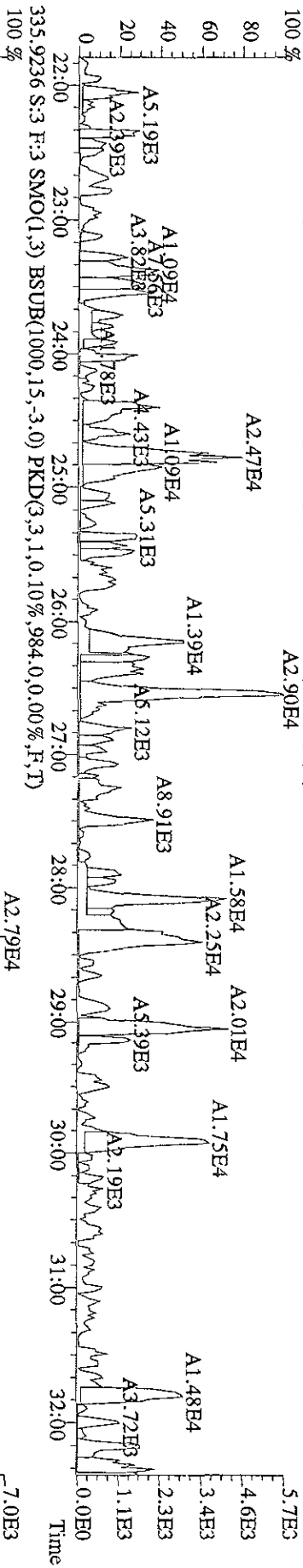
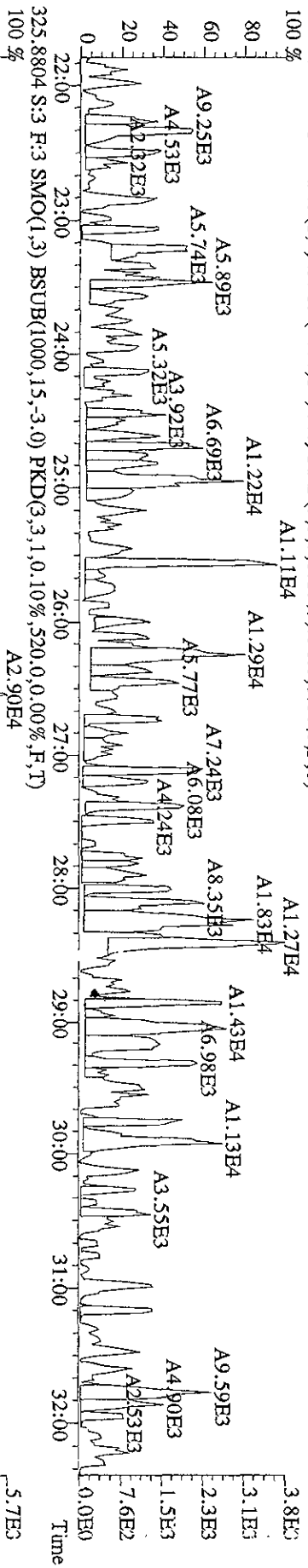
File:13ADP09B9D5 #1-394 Acq:13-APR-2009 12:55:38 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0409 :CS3 09DXN016 Exp:209DB5  
 393.8025 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3384.0,0.00%,F,T)  
 100%



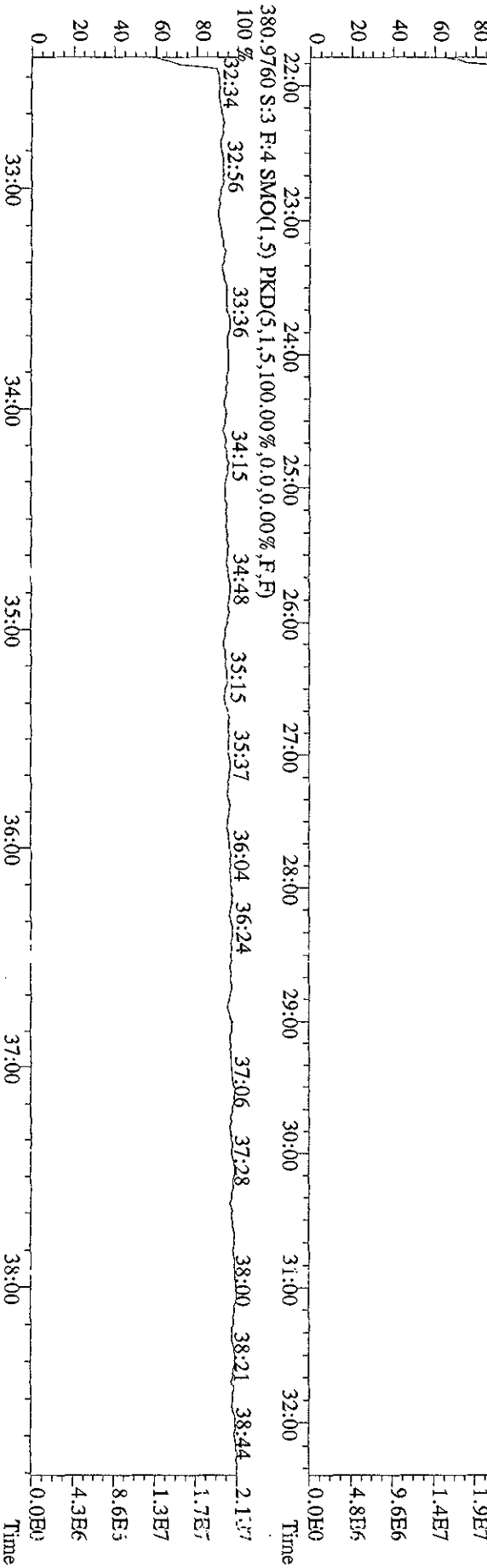
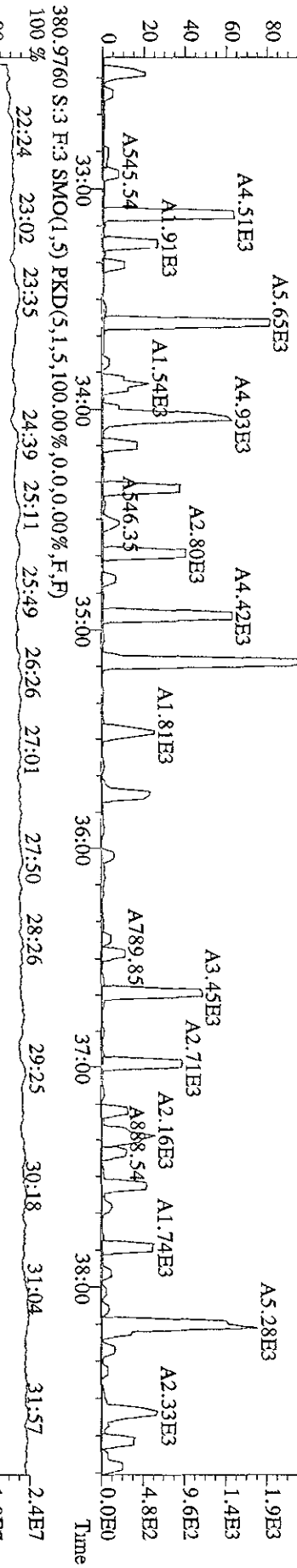
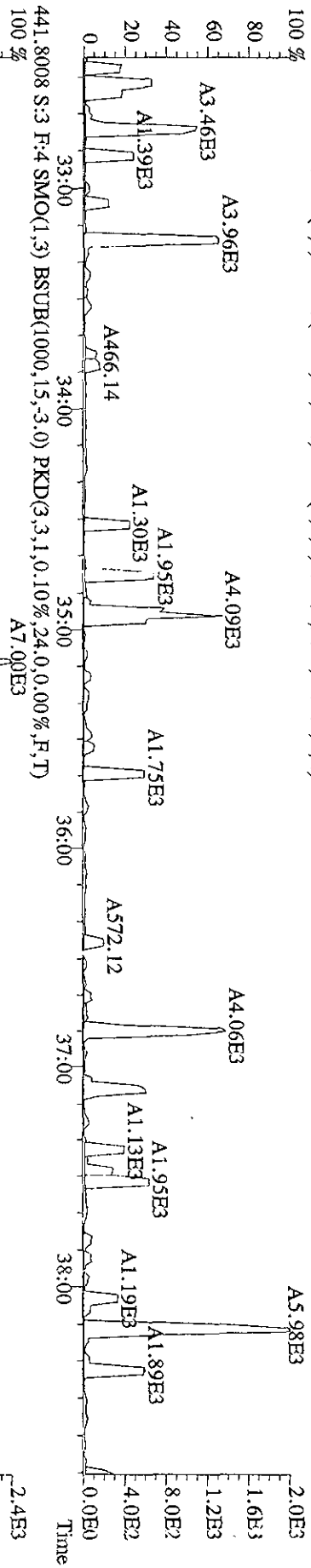
File:13AP09B9D5 #1-597 Acq:13-APR-2009 14:38:13 GC EI + Voltage SIR Autospec-Ultimate  
Sample#3 Text:SB0409 :Solvent Blank C-12 Exp:209DB5  
289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,224.0,0.00%,F,T)  
A1.49E4



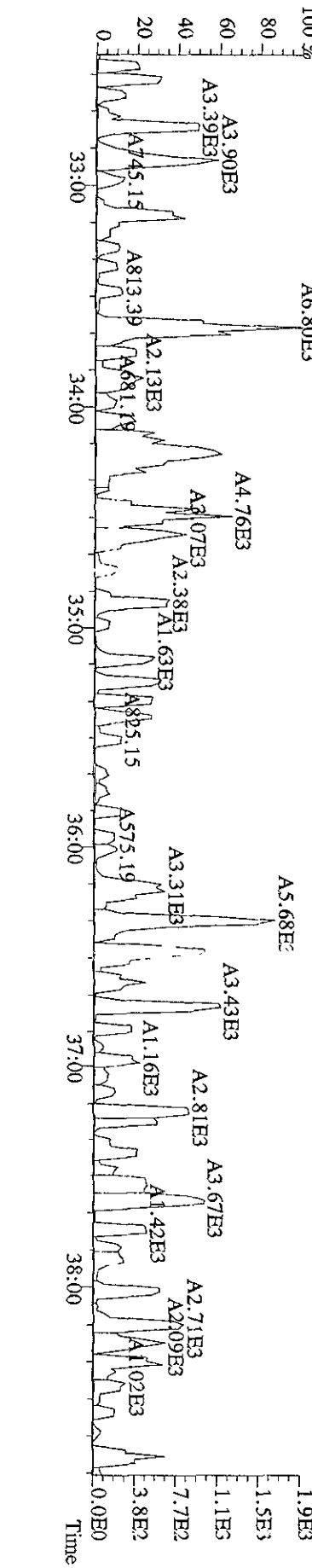
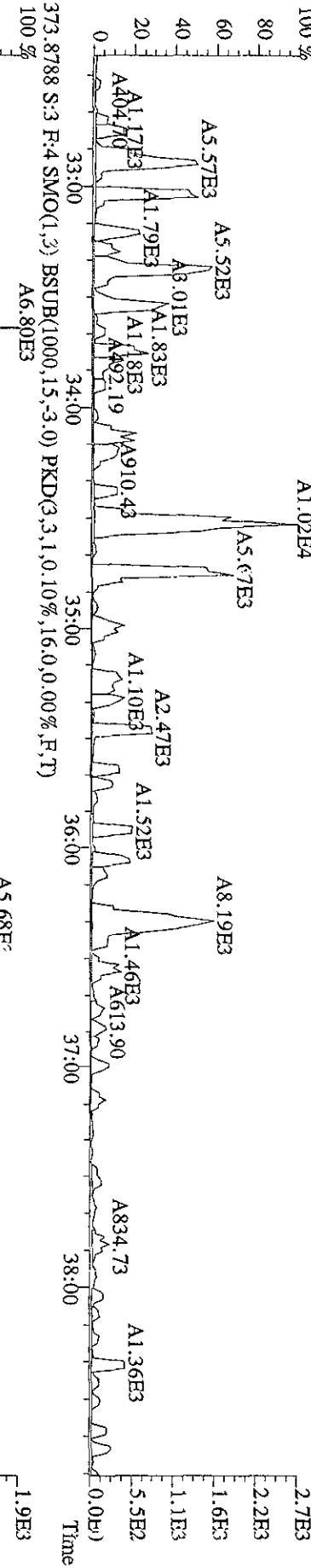
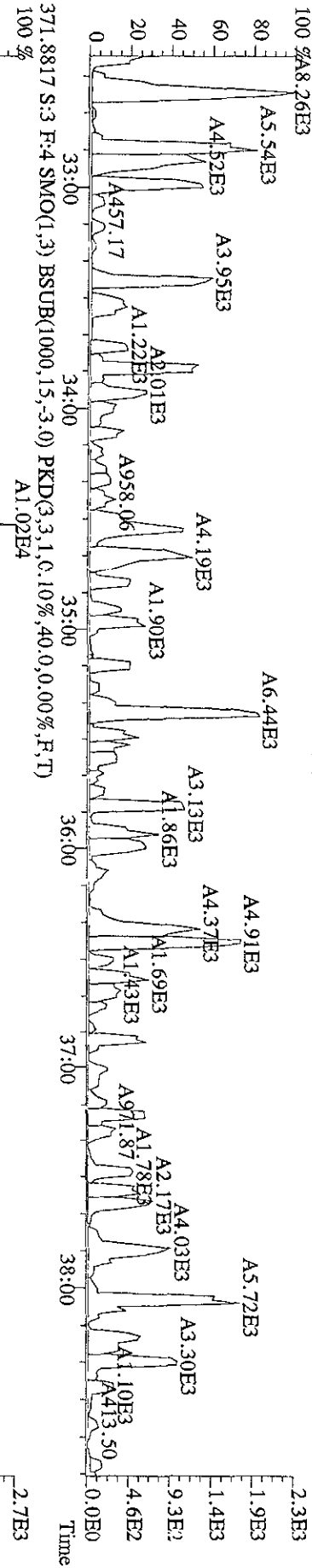
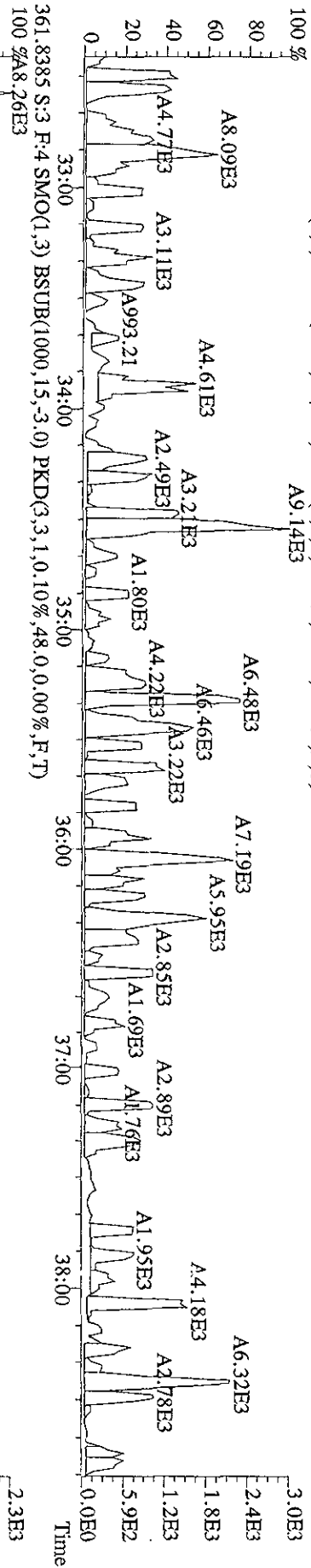
File:13AP09B9D5 #1-597 Acq:13-APR-2009 14:38:13 GC FI-- Voltage SIR Autospec-Ultimate  
 Sample#3 Text:SB0409 :Solvent Blank C-12 Exp:209DB5  
 323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,796,0,0,00%,F,T)  
 100 %



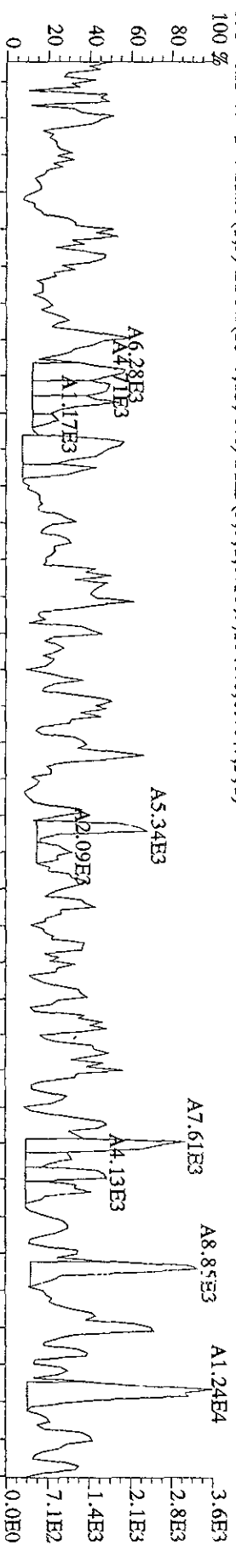
File: 13AP09B9D5 #1-393 Acq: 13-APR-2009 14:38:13 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text: SB0409 : Solvent Blank C-12 Exp: 209DB5  
 439 8038 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,20,0,0.00%,F,T)



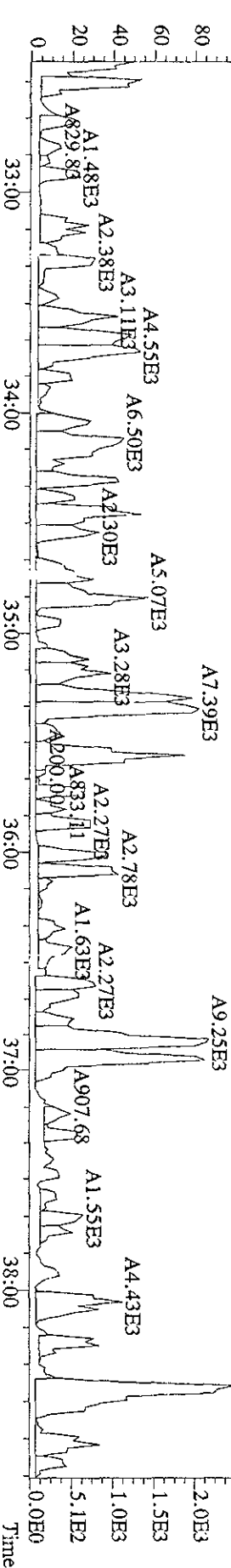
File:13AP09B9D5 #1-393 Acq:13-APR-2009 14:38:13 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:SB0409 :Solvent Blank C-12 Exp:209DB5  
 359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,236.0,0.00%,F,T)  
 100 % A9.14E3



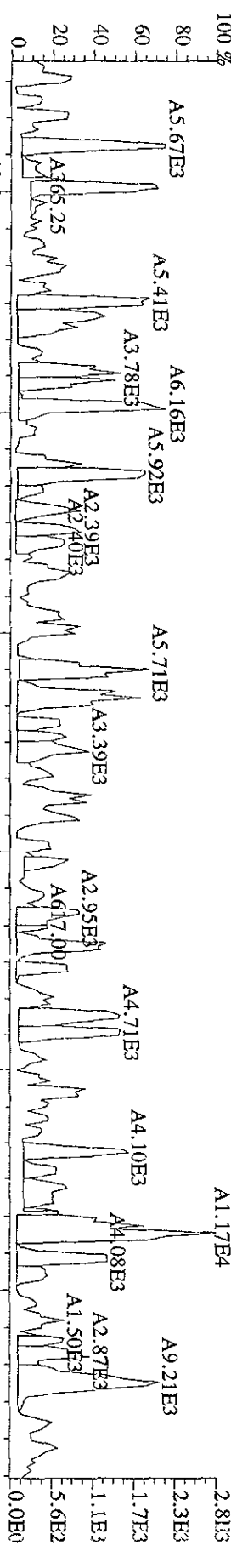
File:13AP09B9D5 #1-393 Acq:13-APR-2009 14:38:13 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:SB0409 :Solvent Blank C-12 Exp:209DB5  
 393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1040,0,0,00%,F,T)



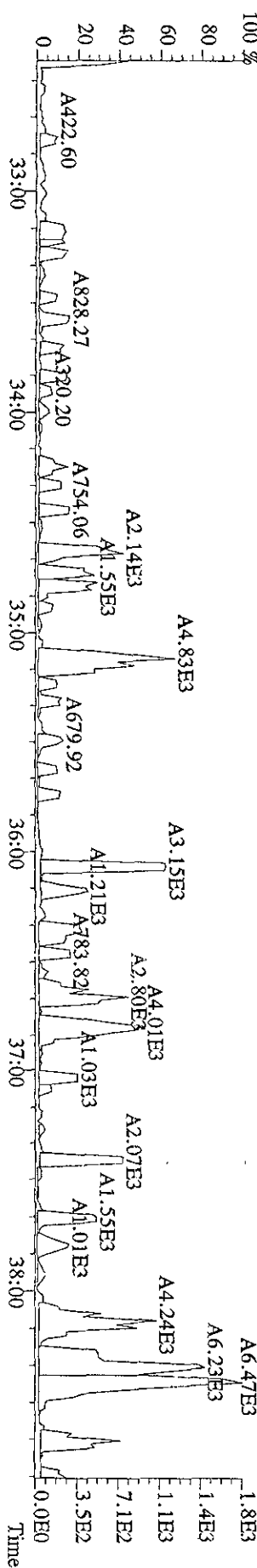
395.7995 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,184,0,0,00%,F,T)



405.8428 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,532,0,0,00%,F,T)



407.8398 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,52,0,0,00%,F,T)





# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
 Methods 1668 and 1614

ICAL ID (1668MSL, 1668MDBS, 1668MYDE, 1668PCBS) 0115099DS  
 Method ID 1668M Date Scanned 1/28/09 gjs  
 Column ID DB-5 Instrument ID 9DS  
 STD ID's ST0115 & ST0115(A-D) STD Solution CPDXN (014-018)  
 GC Program 209DBS Multiplier Setting 404  
 Analyzed By AM/KAS Date Analyzed 1/15/09  
 Prepared By KAS Date Prepared 1/16/09  
 Reviewed By M.G. Date Reviewed 1/19/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	/	/
Hardcopies of chromatograms for CS1-CS5 present?	/	/
Copy of log-file present?	/	/
Static resolution check present?	/	/
Target file RT's correct?	/	/
%RSD within method-specified limits?*	/	/
Signal-to-noise criteria met?	/	/
Isotopic ratios within limits?	/	/
High point free of saturation?	/	/
Are chromatographic windows correct?	/	/
Manual reintegration's checked and hardcopies included?	/	/

COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for natives and ±40% for labeled compounds; S/N ≥ 2.5  
 1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 2.5

Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099DS

ST0115 : CS1 09DXN014 ST0115A : CS2 09DXN015 ST0115B : CS3 09DXN016  
 ST0115C : CS4 09DXN017 ST0115D : CS5 09DXN018

157A09D9D5157A09D9D5157A09D9D5157A09D9D5157A09D9D5157A09D9D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

Run #1 Filename 15JA09D9D5 S: 1 I: 1  
 Acquired: 15-JAN-09 20:25:19 Processed: 16-JAN-09 15:15:27  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115 :CS1 09DXN014

Name	Resp	RA	RT	RRF	Resp	Mod?
13C-PeCB-101	199610800	0.65 y	25:23	-	100.00	n
13C-TCB-81	185693700	0.78 y	27:00	0.9303	100.00	n
TCB-81	2422266	0.68 y	27:01	1.3044	1.00	n
13C-TCB-77	194359500	0.80 y	27:34	0.9737	100.00	n
TCB-77	1969891	0.83 y	27:35	1.0135	1.00	n
13C-PeCB-123	166450700	0.65 y	28:54	0.8339	100.00	n
PeCB-123	2551600	0.67 y	28:55	1.5329	1.00	n
13C-PeCB-118	192926200	0.65 y	29:02	0.9665	100.00	n
PeCB-118/106	2948540	0.56 y	29:03	1.5283	1.00	n
13C-PeCB-114	190199200	0.65 y	29:41	0.9528	100.00	n
PeCB-114	3091930	0.56 y	29:42	1.6256	1.00	n
13C-PeCB-105	175973900	0.66 y	30:34	0.8816	100.00	n
PeCB-105/127	2519762	0.57 y	30:35	1.4319	1.00	n
13C-PeCB-126	176574800	0.65 y	32:30	0.8846	100.00	n
PeCB-126	2054057	0.56 y	32:31	1.1633	1.00	n
13C-OcCB-202	212477100	0.87 y	34:43	-	100.00	n
13C-HxCB-167	170138000	1.26 y	33:36	0.8007	100.00	n
HxCB-167	1881460	1.19 y	33:37	1.1058	1.00	y
13C-HxCB-156	134149800	1.28 y	34:53	0.6314	100.00	n
HxCB-156	1989175	1.35 y	34:54	1.4828	1.00	y
13C-HxCB-157	143553000	1.26 y	35:12	0.6756	100.00	n
HxCB-157	2106500	1.23 y	35:13	1.4674	1.00	n
13C-HxCB-169	146322800	1.26 y	37:05	0.6887	100.00	n
HxCB-169	1350130	1.32 y	37:06	0.9227	1.00	n
13C-HpCB-180	124212300	1.03 y	35:49	0.5846	100.00	n
HpCB-180	1524803	1.00 y	35:50	1.2276	1.00	n
13C-HpCB-170	97418600	1.05 y	37:29	0.4585	100.00	n
HpCB-170/190	1658961	1.09 y	37:30	1.7029	1.00	n
13C-HpCB-189	123177500	1.04 y	39:07	0.5797	100.00	n
HpCB-189	1353507	1.09 y	39:08	1.0988	1.00	n
13C-DeCB-209	93890300	0.73 y	44:04	0.4419	100.00	n
DECB-209	1476592	0.79 y	44:05	1.5727	1.00	n
13C-PeCB-111	251775800	0.65 y	26:50	1.3881	100.00	n

Run #2    Filename 15JA09D9D5    S: 2    I: 1  
 Acquired: 15-JAN-09    21:16:36    Processed: 16-JAN-09    15:15:28  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115A :CS2 09DXN015

Name	Resp	RA	RT	RRF	Resp	Mod?
13C-PeCB-101	260995000	0.65 y	25:23	-	100.00	n
13C-TCB-81	249140000	0.78 y	26:59	0.9546	100.00	n
TCB-81	16061260	0.76 y	27:00	1.2893	5.00	n
13C-TCB-77	264238000	0.77 y	27:34	1.0124	100.00	n
TCB-77	14325810	0.78 y	27:35	1.0843	5.00	n
13C-PeCB-123	234556000	0.65 y	28:54	0.8987	100.00	n
PeCB-123	18341690	0.59 y	28:55	1.5639	5.00	n
13C-PeCB-118	256914000	0.65 y	29:03	0.9844	100.00	n
PeCB-118/106	20151520	0.57 y	29:04	1.5687	5.00	n
13C-PeCB-114	250979200	0.66 y	29:41	0.9616	100.00	n
PeCB-114	20878680	0.58 y	29:42	1.6638	5.00	n
13C-PeCB-105	236551000	0.66 y	30:35	0.9063	100.00	n
PeCB-105/127	17595610	0.59 y	30:36	1.4877	5.00	n
13C-PeCB-126	248209700	0.65 y	32:31	0.9510	100.00	n
PeCB-126	14246760	0.58 y	32:32	1.1480	5.00	n
13C-OcCB-202	281047000	0.88 y	34:44	-	100.00	n
13C-HxCB-167	239554000	1.25 y	33:35	0.8524	100.00	n
HxCB-167	14283760	1.30 y	33:36	1.1925	5.00	Y
13C-HxCB-156	191560200	1.29 y	34:54	0.6816	100.00	n
HxCB-156	14097740	1.24 y	34:55	1.4719	5.00	n
13C-HxCB-157	203989500	1.25 y	35:13	0.7258	100.00	n
HxCB-157	14921860	1.23 y	35:14	1.4630	5.00	n
13C-HxCB-169	217321000	1.26 y	37:06	0.7733	100.00	n
HxCB-169	10658530	1.26 y	37:07	0.9809	5.00	n
13C-HpCB-180	164976900	1.05 y	35:50	0.5870	100.00	n
HpCB-180	11114430	1.12 y	35:51	1.3474	5.00	n
13C-HpCB-170	134170200	1.07 y	37:29	0.4774	100.00	n
HpCB-170/190	11010430	1.08 y	37:30	1.6413	5.00	n
13C-HpCB-189	176083100	1.06 y	39:08	0.6265	100.00	n
HpCB-189	10942400	1.12 y	39:09	1.2429	5.00	n
13C-DeCB-209	137327200	0.71 y	44:04	0.4886	100.00	n
DECB-209	10345550	0.68 y	44:04	1.5067	5.00	n
13C-PeCB-111	340992000	0.65 y	26:51	1.3932	100.00	n

Run #3 Filename 15JA09D9D5 S: 3 I: 1  
 Acquired: 15-JAN-09 22:07:59 Processed: 16-JAN-09 15:15:28  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115B :CS3 09DXN016

Name	Resp	RA	RT	RRF	Resp	Mod?
13C-PeCB-101	247603800	0.65 y	25:22	-	100.00	n
13C-TCB-81	233777000	0.77 y	26:59	0.9442	100.00	n
TCB-81	149921700	0.75 y	27:00	1.2826	50.00	n
13C-TCB-77	238978000	0.76 y	27:33	0.9652	100.00	n
TCB-77	138181800	0.73 y	27:34	1.1564	50.00	n
13C-PeCB-123	215123600	0.65 y	28:53	0.8688	100.00	n
PeCB-123	162536900	0.59 y	28:54	1.5111	50.00	n
13C-PeCB-118	245223200	0.66 y	29:02	0.9904	100.00	n
PeCB-118/106	190014200	0.59 y	29:03	1.5497	50.00	n
13C-PeCB-114	238819200	0.65 y	29:41	0.9645	100.00	n
PeCB-114	188844900	0.59 y	29:42	1.5815	50.00	n
13C-PeCB-105	218554600	0.65 y	30:34	0.8827	100.00	n
PeCB-105/127	155882200	0.59 y	30:35	1.4265	50.00	n
13C-PeCB-126	216706200	0.65 y	32:30	0.8752	100.00	n
PeCB-126	130429700	0.59 y	32:31	1.2037	50.00	n
13C-OcCB-202	255723000	0.85 y	34:43	-	100.00	n
13C-HxCB-167	215596800	1.26 y	33:35	0.8431	100.00	n
HxCB-167	124009600	1.25 y	33:36	1.1504	50.00	n
13C-HxCB-156	170578000	1.29 y	34:53	0.6670	100.00	n
HxCB-156	124140900	1.27 y	34:54	1.4555	50.00	n
13C-HxCB-157	180842200	1.26 y	35:12	0.7072	100.00	n
HxCB-157	131350200	1.29 y	35:13	1.4526	50.00	n
13C-HxCB-169	185144100	1.26 y	37:05	0.7240	100.00	n
HxCB-169	93867200	1.26 y	37:06	1.0140	50.00	n
13C-HpCB-180	150765500	1.05 y	35:49	0.5896	100.00	n
HpCB-180	95947800	1.12 y	35:50	1.2728	50.00	n
13C-HpCB-170	122011600	1.05 y	37:28	0.4771	100.00	n
HpCB-170/190	96760500	1.10 y	37:29	1.5861	50.00	n
13C-HpCB-189	148558600	1.05 y	39:07	0.5809	100.00	n
HpCB-189	92642400	1.10 y	39:09	1.2472	50.00	n
13C-DeCB-209	113795700	0.72 y	44:04	0.4450	100.00	n
DECB-209	85226100	0.70 y	44:05	1.4979	50.00	n
13C-PeCB-111	311176000	0.65 y	26:50	1.3563	100.00	n

Run #4 Filename 15JA09D9D5 S: 4 I: 1  
 Acquired: 15-JAN-09 22:59:23 Processed: 16-JAN-09 15:15:29  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115C :CS4 09DXN017

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	244688200	0.65 y	25:22	-	100.00	n
13C-TCB-81	225028900	0.77 y	26:58	0.9197	100.00	n
TCB-81	563034000	0.76 y	27:00	1.2510	200.00	n
13C-TCB-77	234441000	0.79 y	27:33	0.9581	100.00	n
TCB-77	517095000	0.76 y	27:34	1.1028	200.00	n
13C-PeCB-123	206159900	0.64 y	28:53	0.8425	100.00	n
PeCB-123	604243000	0.59 y	28:54	1.4655	200.00	n
13C-PeCB-118	235957000	0.65 y	29:02	0.9643	100.00	n
PeCB-118/106	706242000	0.60 y	29:03	1.4965	200.00	n
13C-PeCB-114	228278000	0.65 y	29:41	0.9329	100.00	n
PeCB-114	695511000	0.59 y	29:42	1.5234	200.00	n
13C-PeCB-105	213978600	0.66 y	30:34	0.8745	100.00	n
PeCB-105/127	588578000	0.59 y	30:35	1.3753	200.00	n
13C-PeCB-126	209532200	0.65 y	32:30	0.8563	100.00	n
PeCB-126	485179000	0.60 y	32:31	1.1578	200.00	n
13C-OcCB-202	249730000	0.88 y	34:43	-	100.00	n
13C-HxCB-167	202489900	1.26 y	33:35	0.8108	100.00	n
HxCB-167	514368000	1.27 y	33:36	1.2701	200.00	y
13C-HxCB-156	161737900	1.28 y	34:53	0.6477	100.00	n
HxCB-156	462927000	1.27 y	34:54	1.4311	200.00	n
13C-HxCB-157	166710400	1.24 y	35:12	0.6676	100.00	n
HxCB-157	478186000	1.28 y	35:13	1.4342	200.00	n
13C-HxCB-169	164652600	1.25 y	37:05	0.6593	100.00	n
HxCB-169	333850000	1.27 y	37:06	1.0138	200.00	n
13C-HpCB-180	138296100	1.06 y	35:49	0.5538	100.00	n
HpCB-180	345005000	1.10 y	35:50	1.2473	200.00	n
13C-HpCB-170	113146600	1.05 y	37:28	0.4531	100.00	n
HpCB-170/190	352545000	1.09 y	37:29	1.5579	200.00	n
13C-HpCB-189	136856900	1.04 y	39:07	0.5480	100.00	n
HpCB-189	333672000	1.09 y	39:08	1.2191	200.00	n
13C-DeCB-209	103579600	0.73 y	44:04	0.4148	100.00	n
DECB-209	300002000	0.69 y	44:05	1.4482	200.00	n
13C-PeCB-111	303933000	0.65 y	26:50	1.3747	100.00	n



Run #5 Filename 15JA09D9D5 S: 5 I: 1  
 Acquired: 15-JAN-09 23:50:45 Processed: 16-JAN-09 15:15:30  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115D :CS5 09DXN018

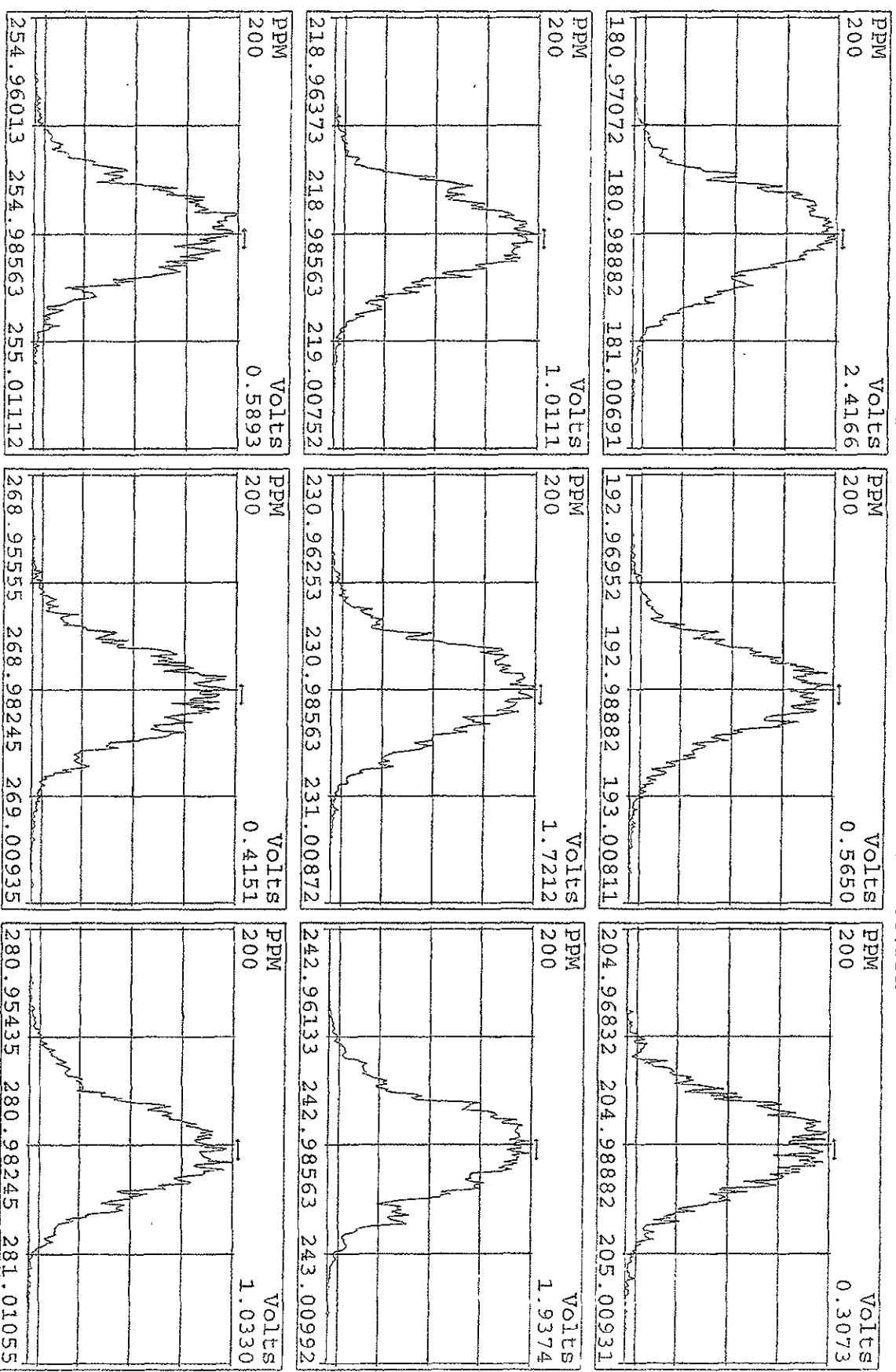
Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	269657000	0.66 y	25:22	-	100.00 n
13C-TCB-81	266360000	0.78 y	26:58	0.9878	100.00 n
TCB-81	1683380000	0.75 y	26:59	1.2640	500.00 n
13C-TCB-77	270360000	0.78 y	27:32	1.0026	100.00 n
TCB-77	1568248000	0.76 y	27:34	1.1601	500.00 n
13C-PeCB-123	246305200	0.67 y	28:52	0.9134	100.00 n
PeCB-123	1812283000	0.59 y	28:53	1.4716	500.00 n
13C-PeCB-118	274268000	0.66 y	29:01	1.0171	100.00 n
PeCB-118/106	2052633000	0.60 y	29:02	1.4968	500.00 n
13C-PeCB-114	274985000	0.66 y	29:40	1.0198	100.00 n
PeCB-114	2107813000	0.59 y	29:41	1.5330	500.00 n
13C-PeCB-105	253776000	0.66 y	30:33	0.9411	100.00 n
PeCB-105/127	1763571000	0.59 y	30:34	1.3899	500.00 n
13C-PeCB-126	267077000	0.65 y	32:28	0.9904	100.00 n
PeCB-126	1593533000	0.59 y	32:30	1.1933	500.00 n
13C-OcCB-202	287841000	0.87 y	34:42	-	100.00 n
13C-HxCB-167	259291000	1.26 y	33:33	0.9008	100.00 n
HxCB-167	1459083000	1.28 y	33:34	1.1254	500.00 y
13C-HxCB-156	208239300	1.29 y	34:52	0.7235	100.00 n
HxCB-156	1478482000	1.28 y	34:53	1.4200	500.00 n
13C-HxCB-157	218180700	1.26 y	35:11	0.7580	100.00 n
HxCB-157	1543594000	1.27 y	35:12	1.4150	500.00 n
13C-HxCB-169	236681000	1.26 y	37:03	0.8223	100.00 n
HxCB-169	1200567000	1.27 y	37:04	1.0145	500.00 n
13C-HpCB-180	175051700	1.04 y	35:48	0.6082	100.00 n
HpCB-180	1077386000	1.09 y	35:49	1.2309	500.00 n
13C-HpCB-170	145642800	1.05 y	37:28	0.5060	100.00 n
HpCB-170/190	1124352000	1.08 y	37:29	1.5440	500.00 n
13C-HpCB-189	189236300	1.05 y	39:06	0.6574	100.00 n
HpCB-189	1158078000	1.09 y	39:07	1.2239	500.00 n
13C-DeCB-209	146952700	0.73 y	44:04	0.5105	100.00 n
DECB-209	1100843000	0.70 y	44:04	1.4982	500.00 n
13C-PeCB-111	333490000	0.65 y	26:50	1.2712	100.00 n

.ca file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
15JA09D9D5	1	ST0115	CS1 09DXN014				1.00000	
15JA09D9D5	2	ST0115A	CS2 09DXN015				1.00000	
15JA09D9D5	3	ST0115B	CS3 09DXN016				1.00000	
15JA09D9D5	4	ST0115C	CS4 09DXN017				1.00000	
15JA09D9D5	5	ST0115D	CS5 09DXN018				1.00000	
15JA09D9D5	6	SB0115	Solvent Blank C-12				1.00000	
15JA09D9D5	7	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	8	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	9	SB0115A	Solvent Blank C-12				1.00000	
15JA09D9D5	10	K5GRX-1-AC	G9A060000-171C	20	1668/WATER	51	1.00000	L
15JA09D9D5	11	QC09DXN057	Daily IS 09DXN057	20	1668	QC49	1.00000	
15JA09D9D5	12	K44WC-1-AC	G8L210000-51C	20	1668A/SOLID	42	10.00000	g
15JA09D9D5	13	K44WC-1-AA	G8L210000-51B	20	1668A/SOLID		10.00000	g
15JA09D9D5	14	K31R7-1-AA	D8L030334-1 (20X)	20	1668A/SOLID		10.19000	g
15JA09D9D5	15	K31R7-1-AD	D8L030334-1S (20X)	20	1668A/SOLID		10.01000	g
15JA09D9D5	16	SB0115B	Solvent Blank C-12				1.00000	
15JA09D9D5	17	K4047-1-AH	G8L180296-2	20	1668/SOLID	43	10.32500	g
15JA09D9D5	18	K4047-1-AH	G8L180296-2 RI	20	1668/SOLID	43	10.22500	g
15JA09D9D5	19	K4048-1-AH	G8L180296-3	20	1668/SOLID		10.35400	g
15JA09D9D5	20	K4049-1-AH	G8L180296-4	20	1668/SOLID		10.17000	g
15JA09D9D5	21	K405A-1-AH	G8L180296-5	20	1668/SOLID		10.25250	g
15JA09D9D5	22	K405E-1-AH	G8L180296-7	20	1668/SOLID		10.13000	g
15JA09D9D5	23	SB0115C	Solvent Blank C-12				1.00000	
15JA09D9D5	24	ST0115H	CS3 09DXN016				1.00000	
15JA09D9D5	25	ST0115G	209PCB 3249-47				1.00000	
15JA09D9D5	26	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	27	K4047-1-AH	G8L180296-2 (10X)	20	1668/SOLID	43	10.32500	g
15JA09D9D5	28	K4048-1-AH	G8L180296-3 (10X)	20	1668/SOLID		10.35400	g
15JA09D9D5	29	K4049-1-AH	G8L180296-4 (10X)	20	1668/SOLID		10.17000	g
15JA09D9D5	30	K405A-1-AH	G8L180296-5 (10X)	20	1668/SOLID		10.25250	g
15JA09D9D5	31	K405E-1-AH	G8L180296-7 (10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	32	K405H-1-AH	G8L180296-9 (10X)	20	1668/SOLID		10.15000	g
15JA09D9D5	33	K405H-1-AJ	G8L180296-9S (10X)	20	1668/SOLID		10.12000	g
15JA09D9D5	34	K405H-1-AK	G8L180296-9D (10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	35	K405K-1-AH	G8L180296-10 (10X)	20	1668/SOLID		10.02000	g
15JA09D9D5	36	K4046-1-AA	G8L180296-1	20	1668/SOLID		0.98080	L
15JA09D9D5	37	K405D-1-AA	G8L180296-6	20	1668/SOLID		0.97690	L
15JA09D9D5	38	K405G-1-AA	G8L180296-8	20	1668/SOLID		0.94740	L
15JA09D9D5	39	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	40	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g
15JA09D9D5	41	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	42	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	43	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	44	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	45	K4584-1-AA	G8L22000-581MB	20	1668/SOLID		1.00000	L
15JA09D9D5	46	K4584-1-AC	G8L22000-581LCS	20	1668/SOLID		1.00000	L
15JA09D9D5	47	????????	G8L050343-1	20	1668/SOLID		10.00000	
15JA09D9D5	48	K4585-1-AA	G8L220000-582MB	20	1668A/SOLID		10.00000	g
15JA09D9D5	49	K4585-1-AC	G8L220000-582LCS	20	1668A/SOLID		10.00000	g
15JA09D9D5	50	K31R7-1-AE	D8L030334-1D (20X)	20	1668/SOLID		10.28000	g
15JA09D9D5	51	K31TA-1-AA	D8L030334-2 (20X)	20	1668/SOLID		10.08000	g
15JA09D9D5	52	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	53	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g

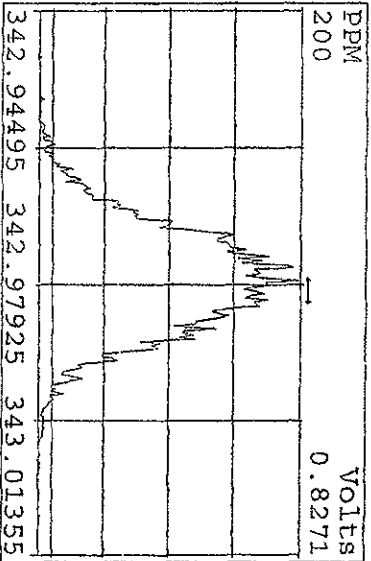
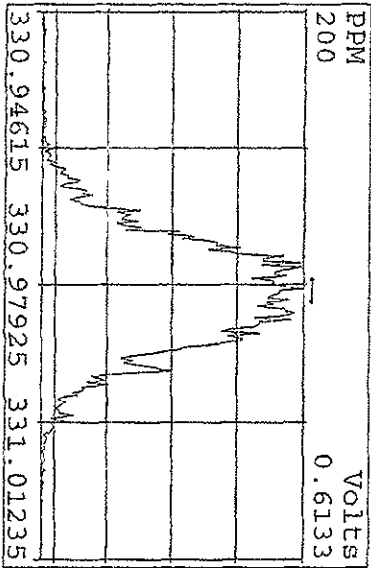
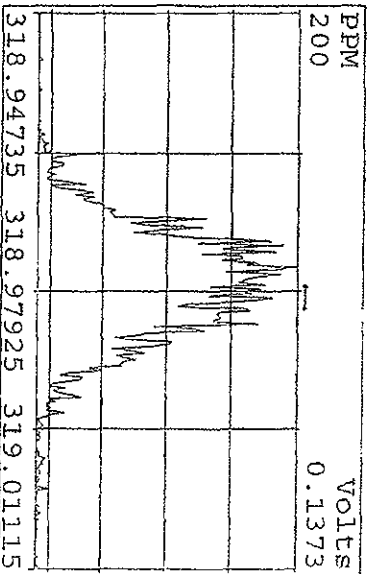
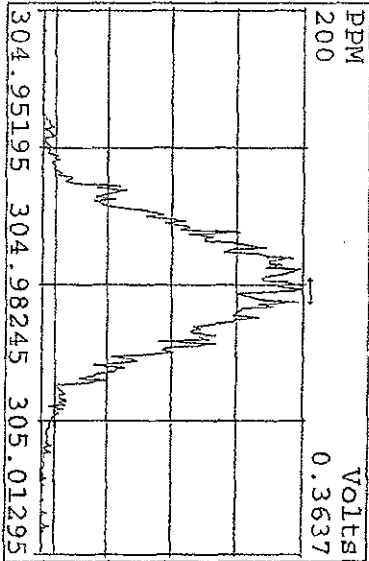
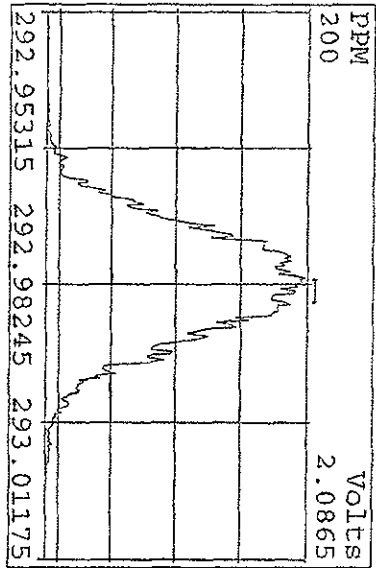
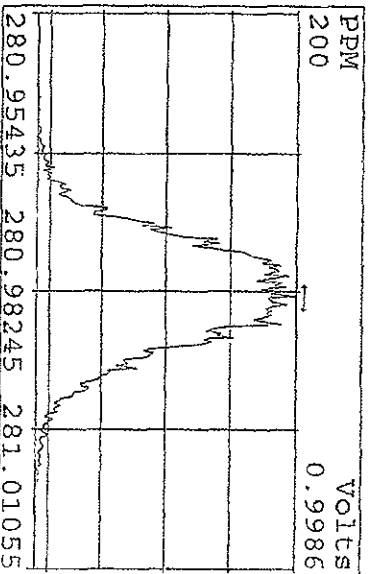
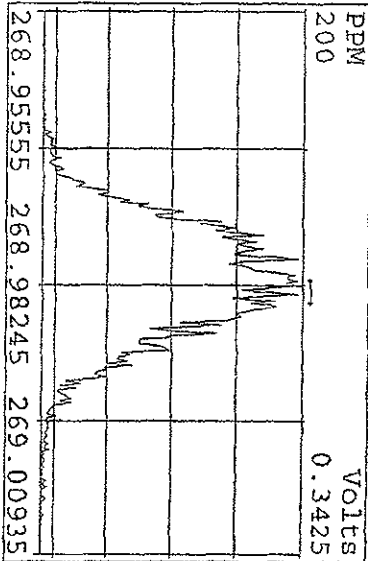
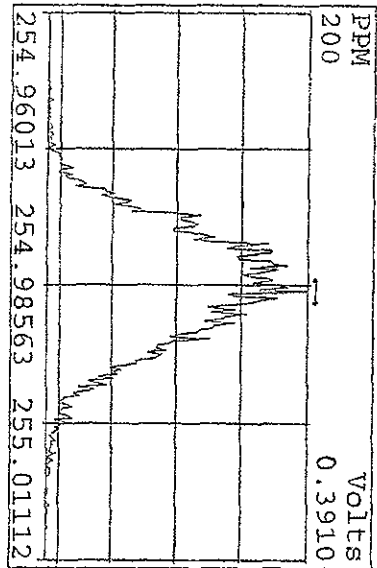
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15JA09D9D5	55			1.00000
15JA09D9D5	56			1.00000
15JA09D9D5	57			1.00000
JA09D9D5	58			1.00000
.JA09D9D5	59			1.00000
15JA09D9D5	60			1.00000
15JA09D9D5	59		AM/KAS 01-15-09	1.00000
15JA09D9D5	60			1.00000

log file checked  
1-16-09 am

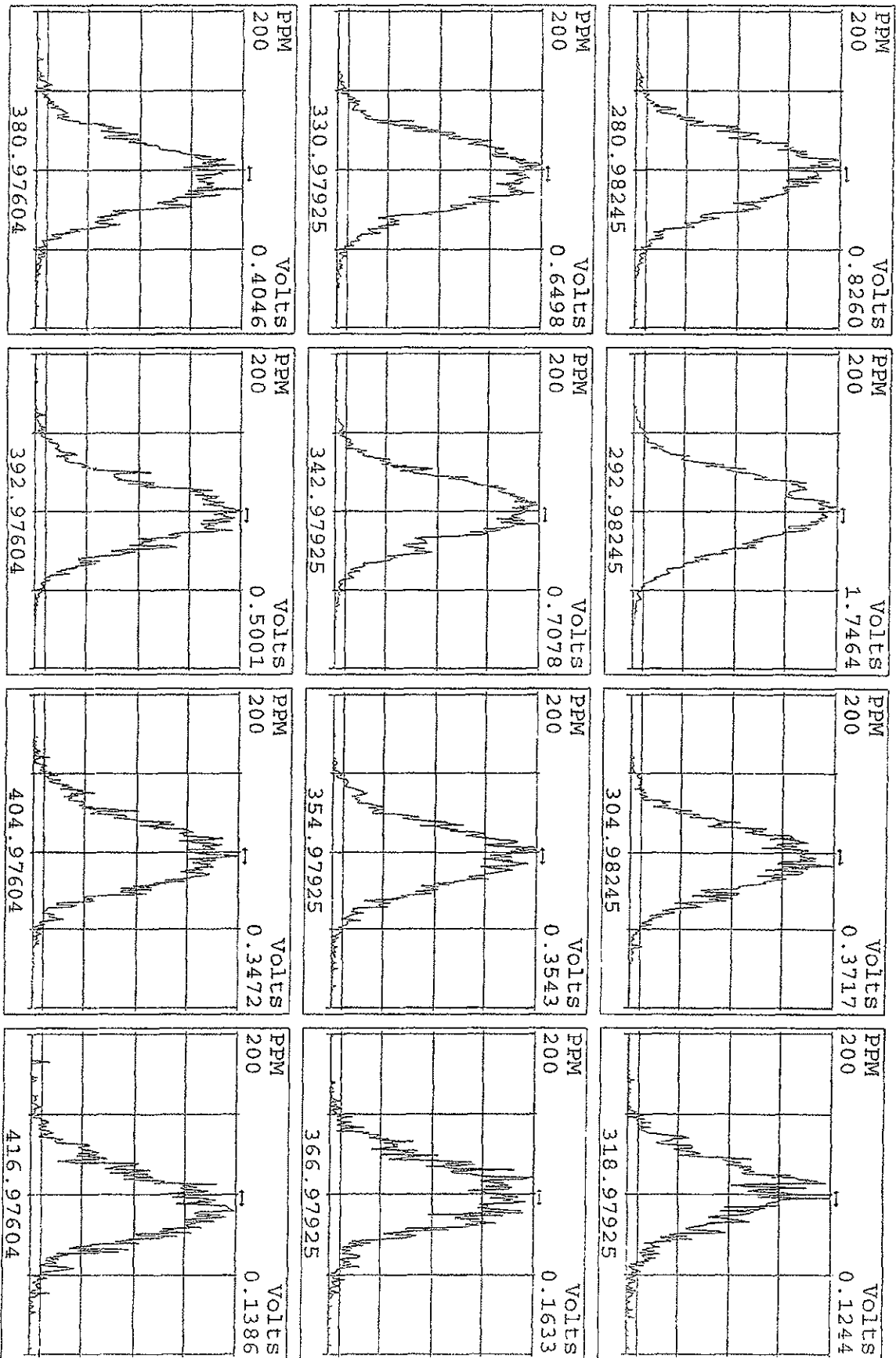
Peak Locate Examination: I5-JAN-2009:20:20 File:15JA09D9D5  
 Experiment:209DB5 Function:1 Reference:PFK



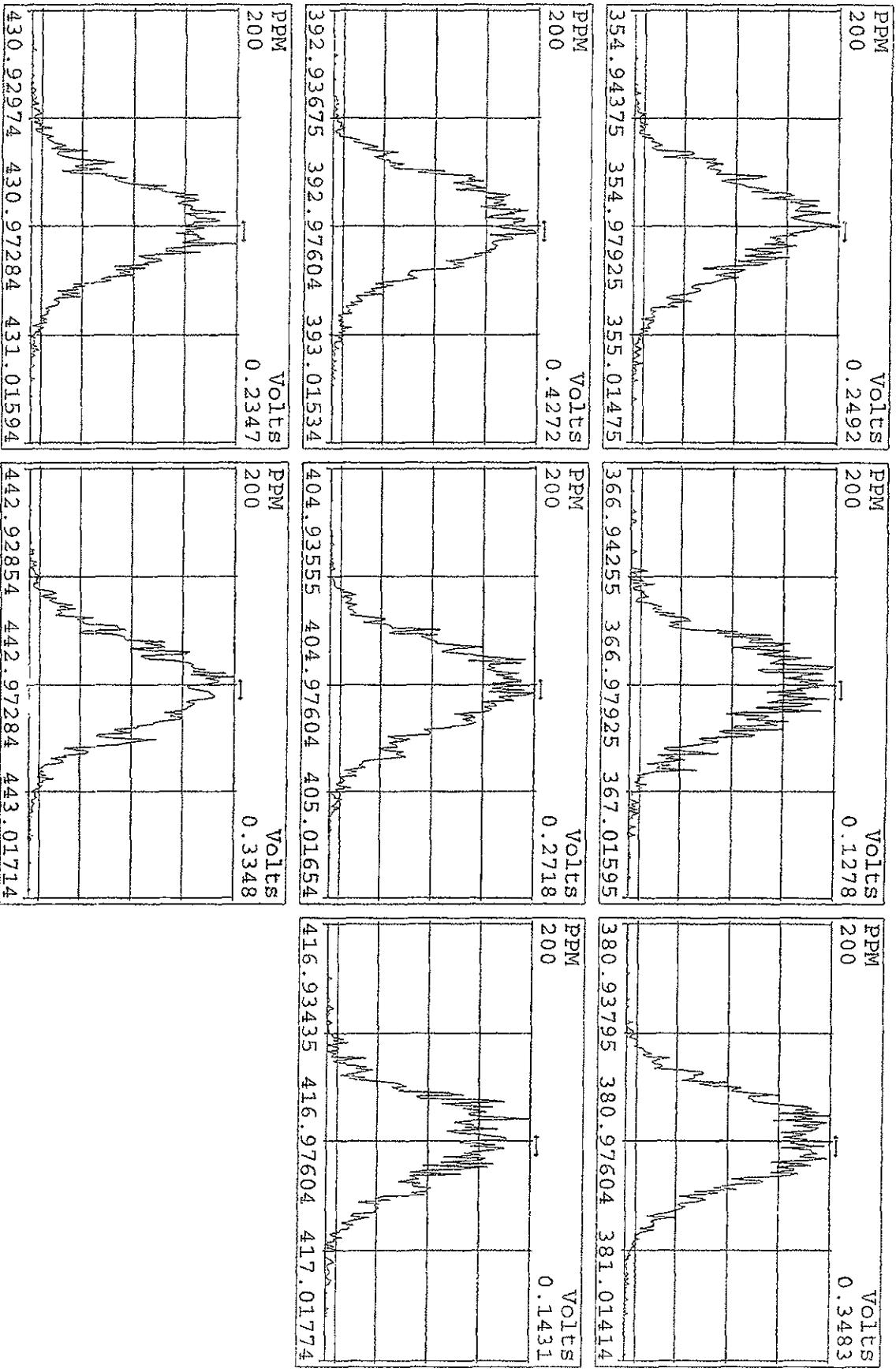
Peak Locate Examination:15-JAN-2009:20:21 File:15JTA09D9D5  
Experiment:209DB5 Function:2 Reference:PFK



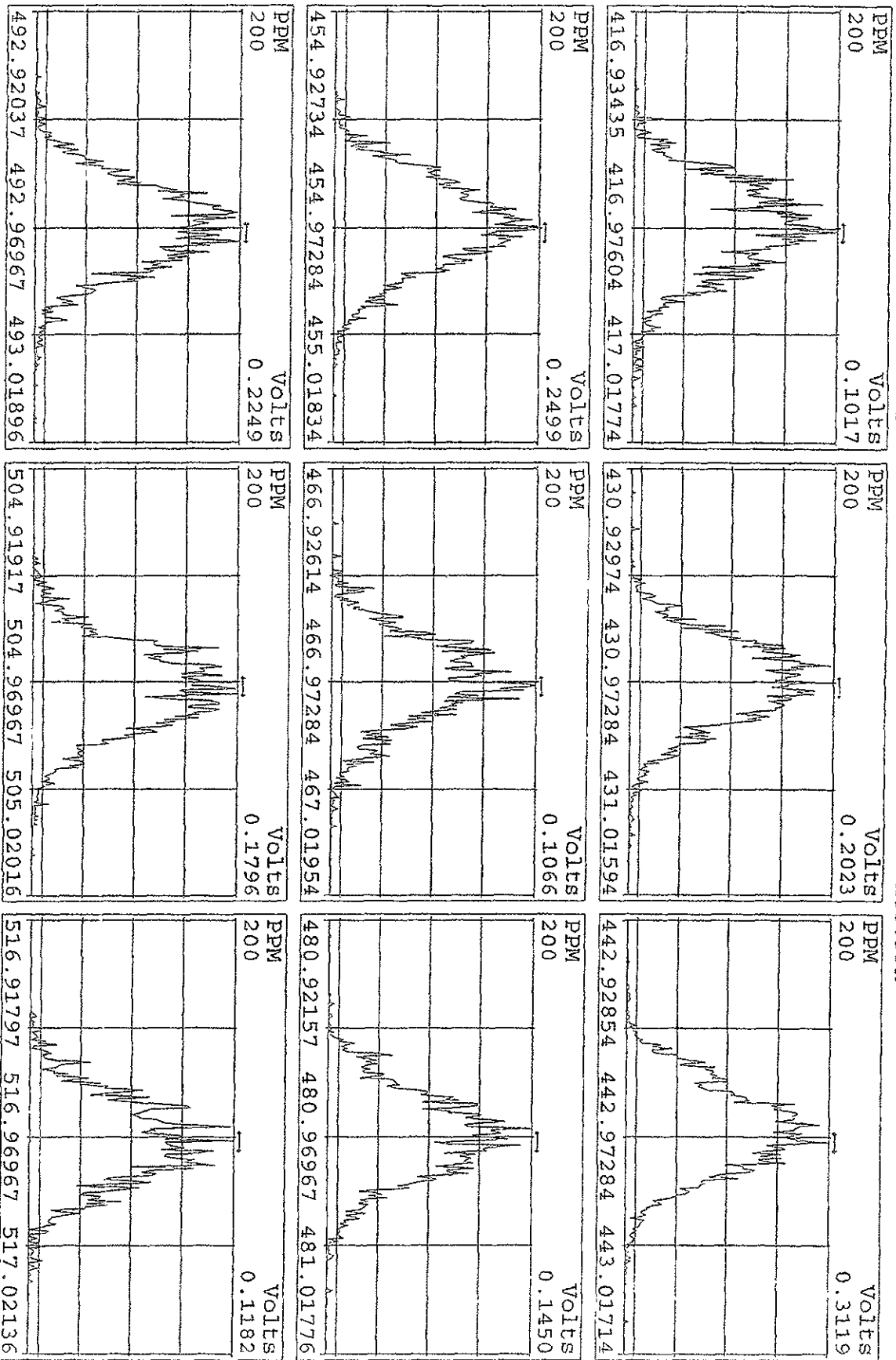
Peak Locate Examination: 15-JAN-2009:20:22 File: 15JA09D9D5  
Experiment: 209DB5 Function: 3 Reference: PK



Peak Locate Examination: 15-JAN-2009: 20:23 File: 15JJA09D9D5  
 Experiment: 209DB5 Function: 4 Reference: PFK

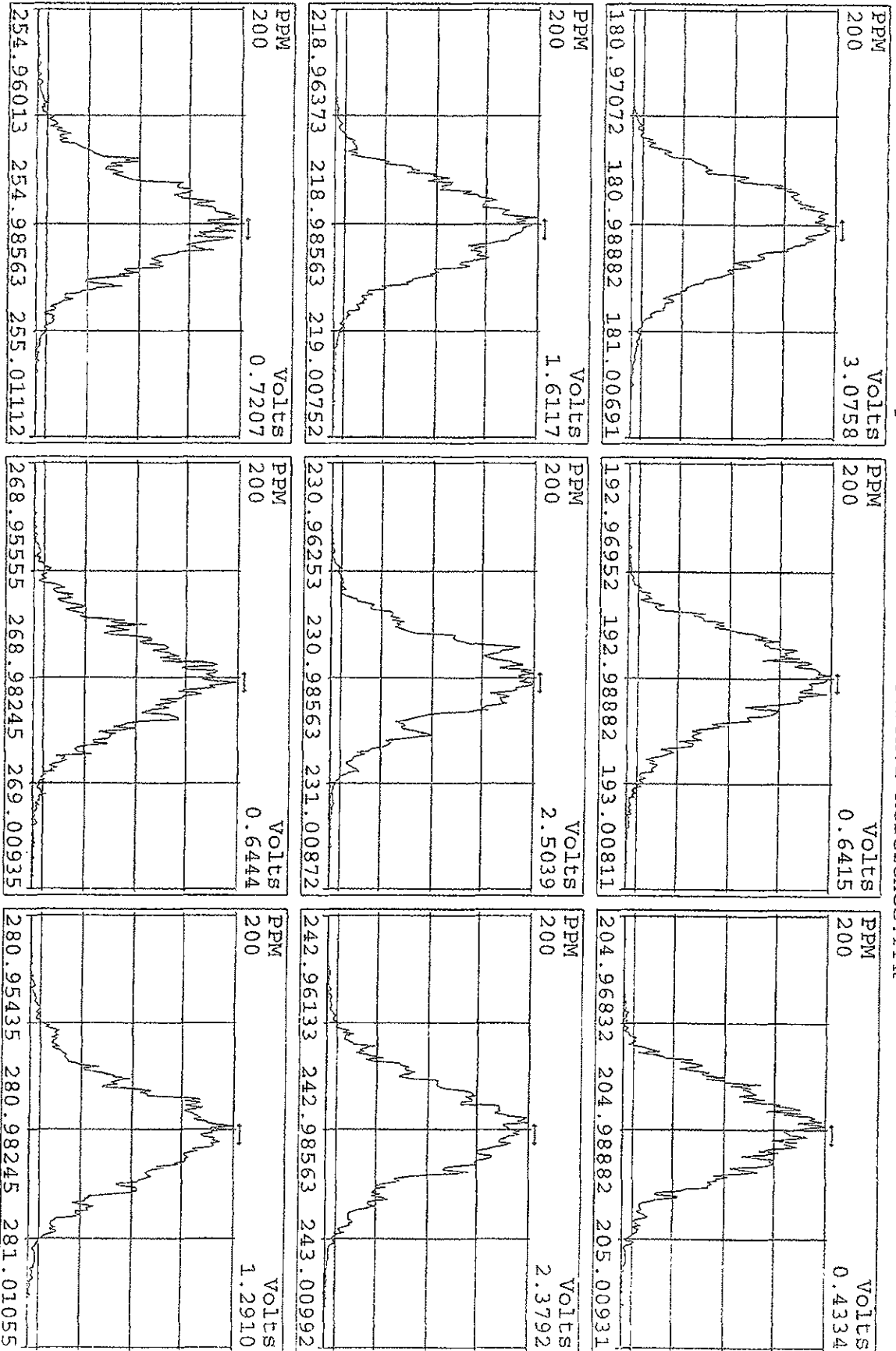


Peak Locate Examination:15-JAN-2009:20:23 File:15JA09D9D5  
 Experiment:209DB5 Function:5 Reference:PRK

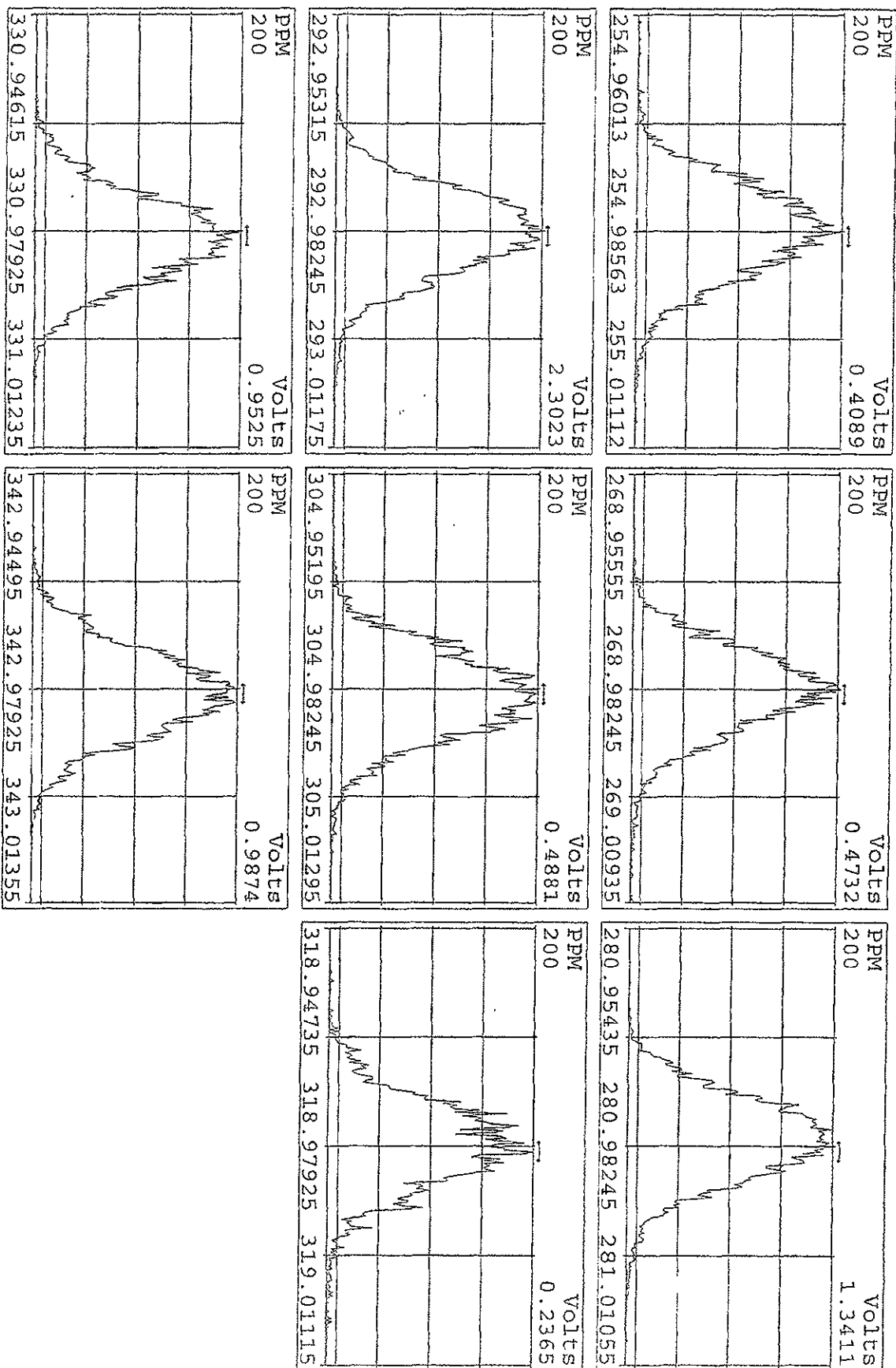




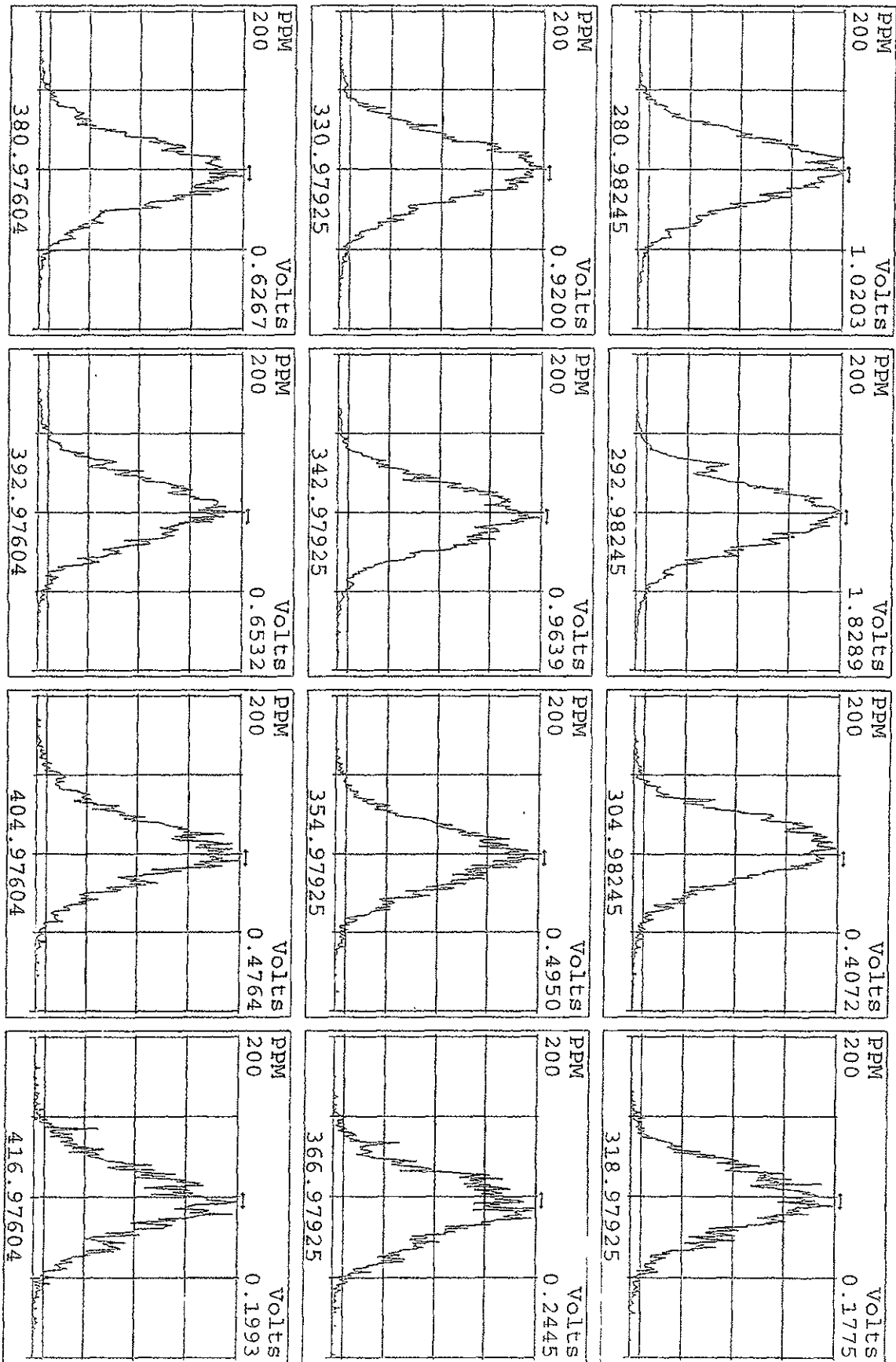
Peak Locate Examination: 16-JAN-2009:18:46 File: RESCHK15JA09D9D5  
 Experiment: 209DB5 Function: 1 Reference: PPK



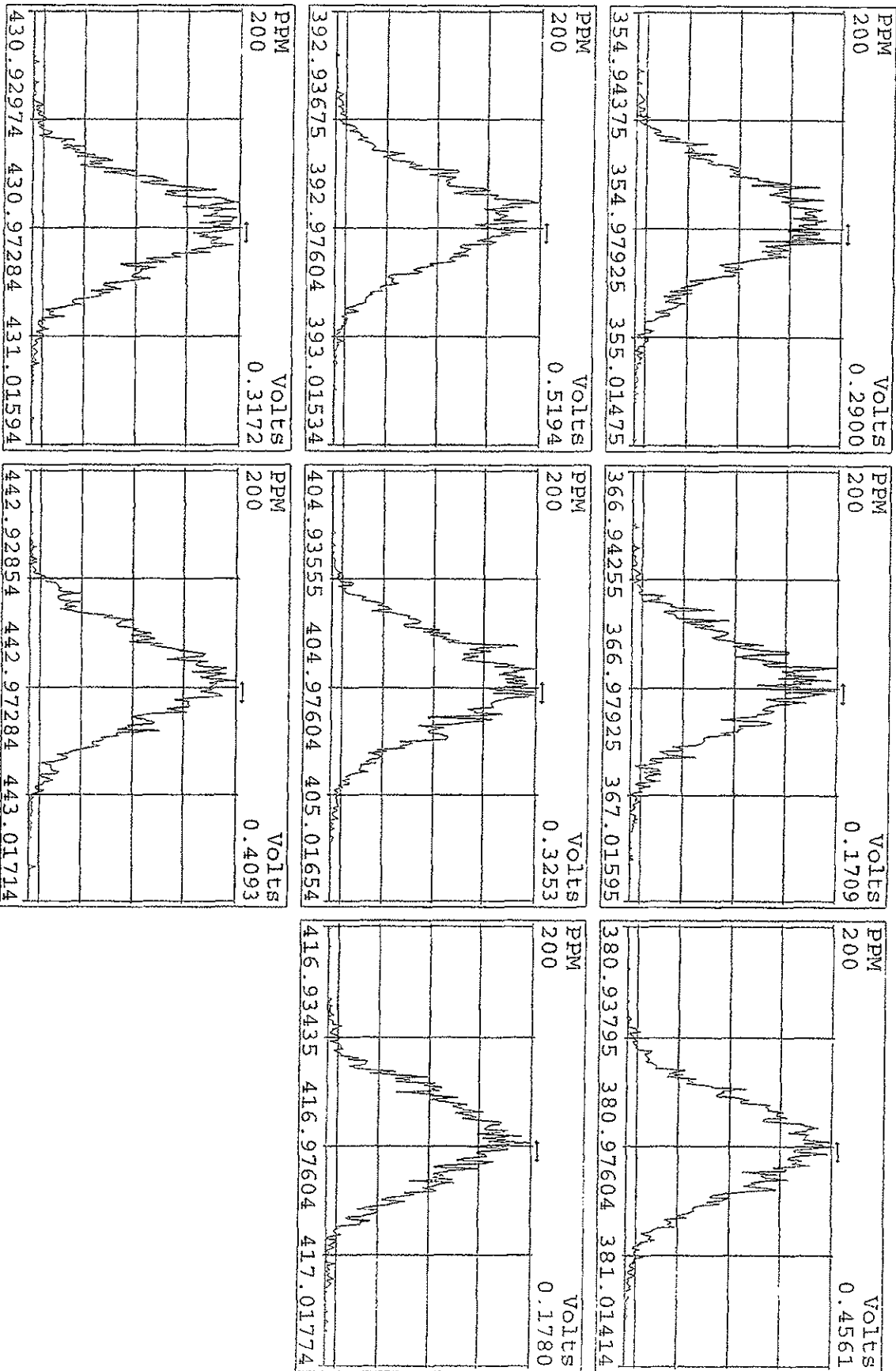
Peak Locate Examination: 16-JAN-2009:18:47 File: RESCHK15JA09D9D5  
 Experiment: 209DB5 Function: 2 Reference: PK



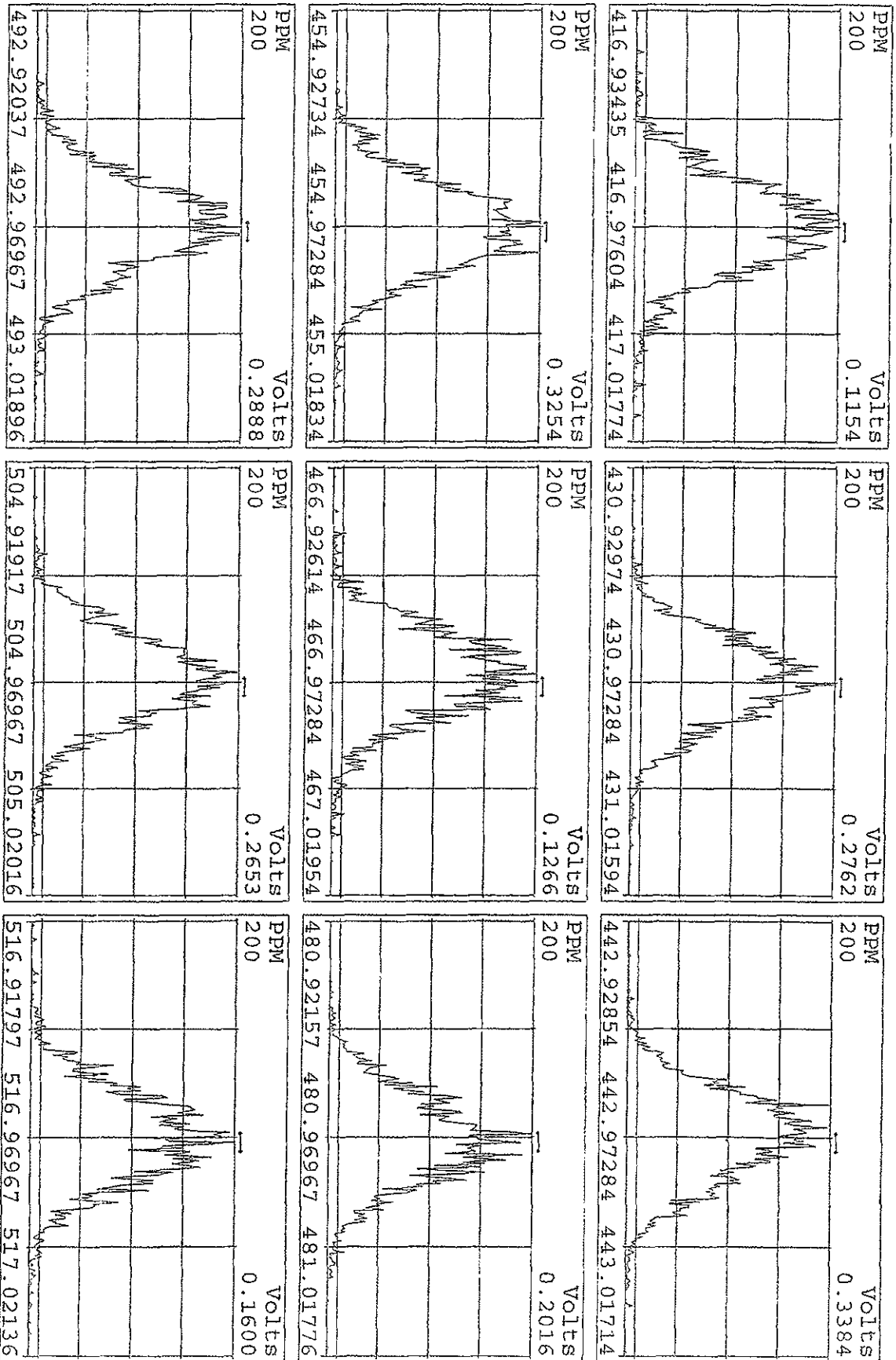
Peak Locate Examination: 16-JAN-2009:18:48 File: RESCHK15JTA09D9D5  
Experiment: 209DB5 Function: 3 Reference: PFK



Peak Locate Examination: 16-JAN-2009:18:48 File: RESCHK15JA09D9D5  
 Experiment: 209DB5 Function: 4 Reference: PK

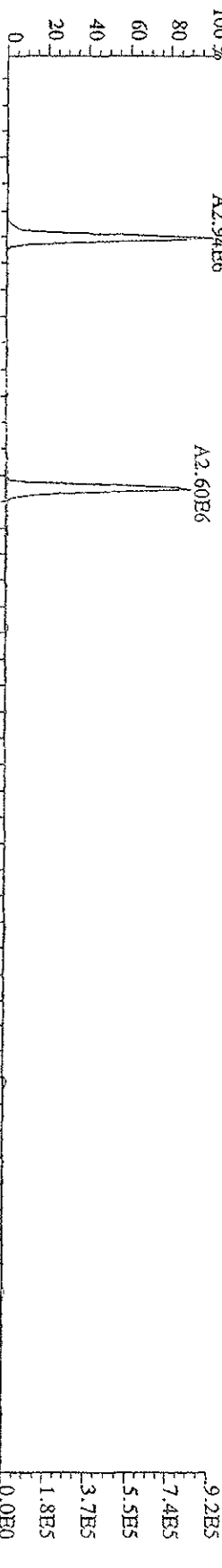


Peak Locate Examination: 16-JAN-2009: 18:49 File: RESCHK15JA09D9D5  
 Experiment: 209DB5 Function: 5 Reference: PFK

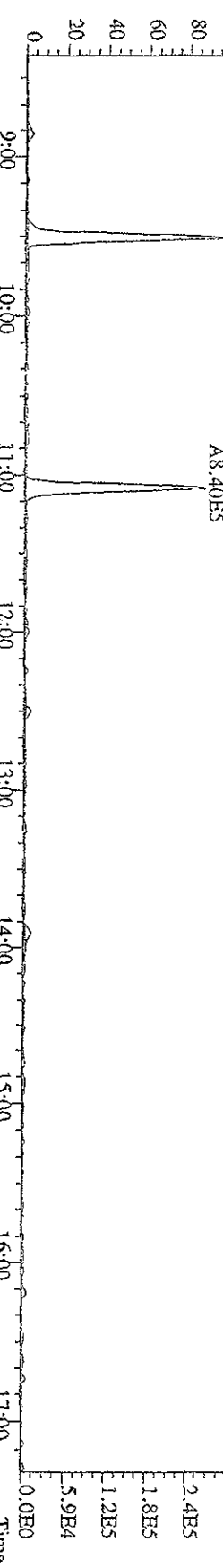


File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC HI+ Voltage SIR Autospec-Ultimate

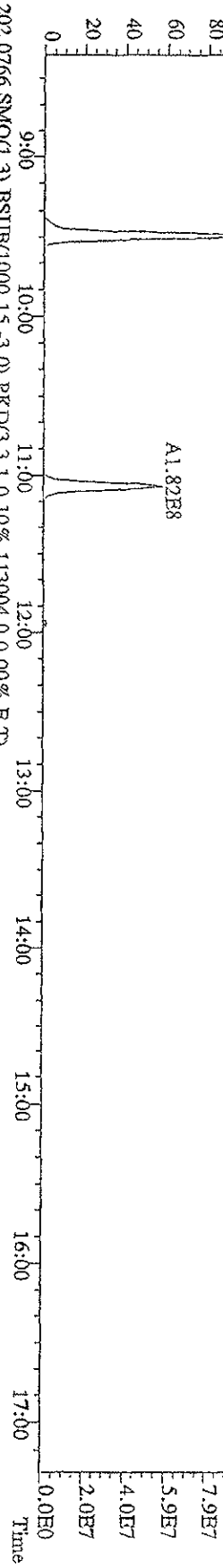
Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
188.0393 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,3576.0,0.00%,F,T)



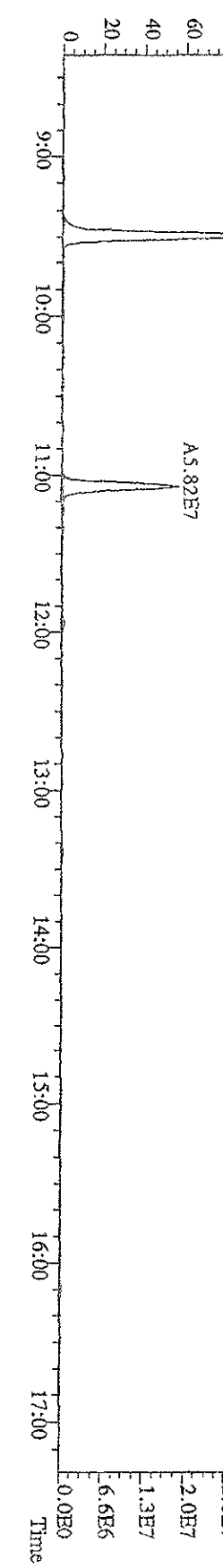
190.0363 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1812.0,0.00%,F,T)



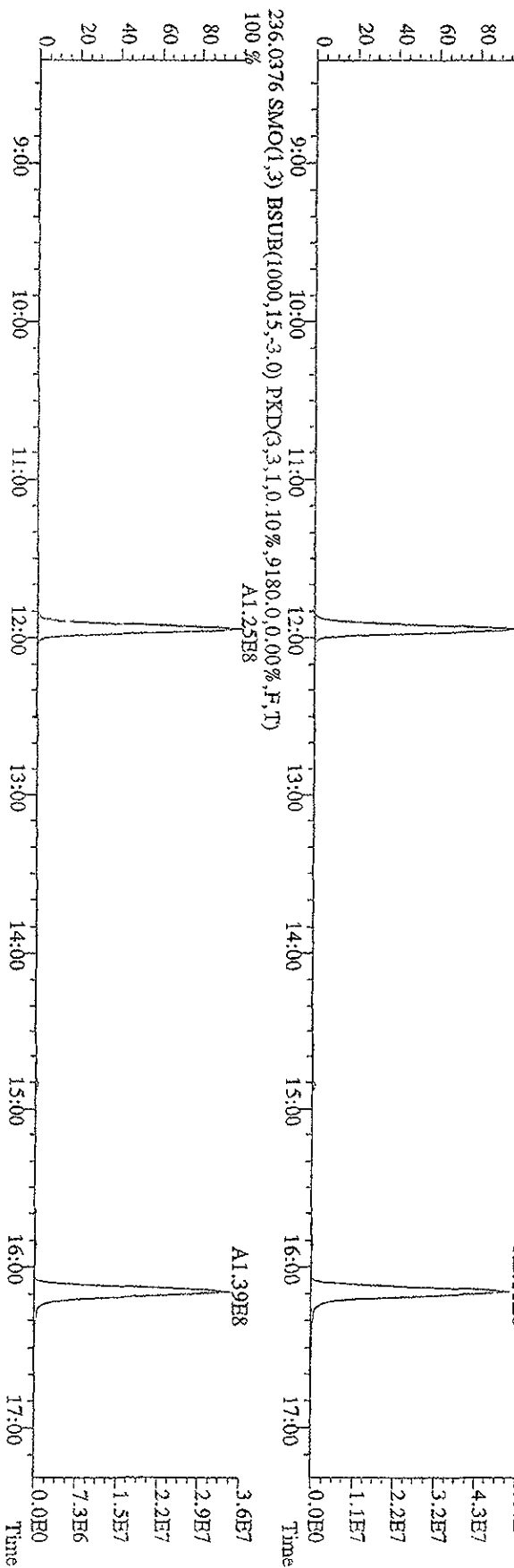
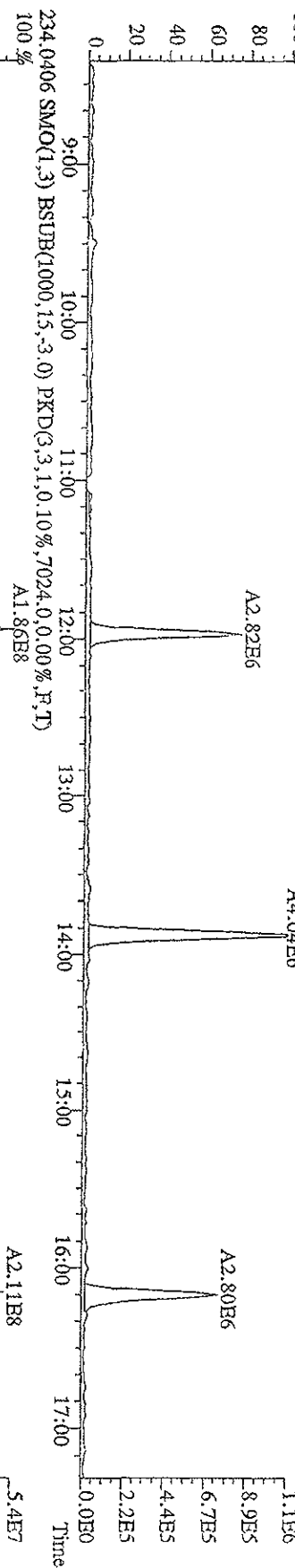
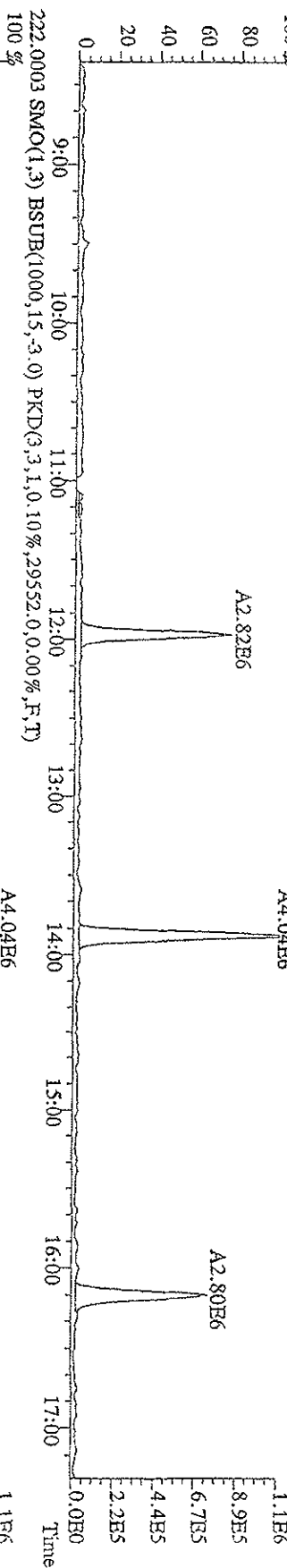
200.0795 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,13612.0,0.00%,F,T)



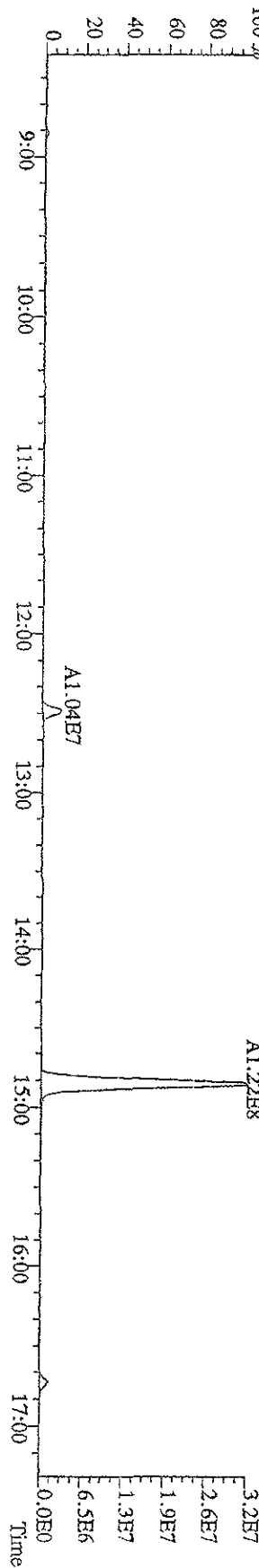
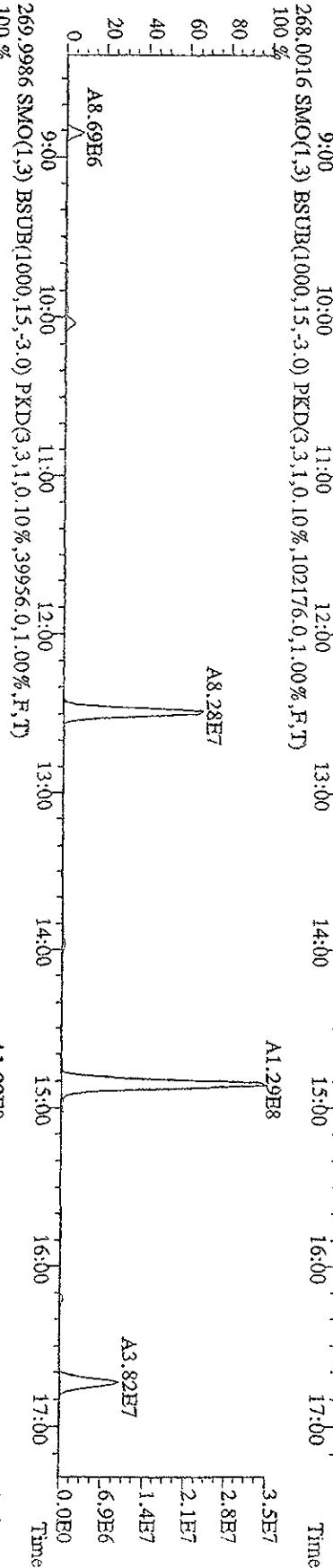
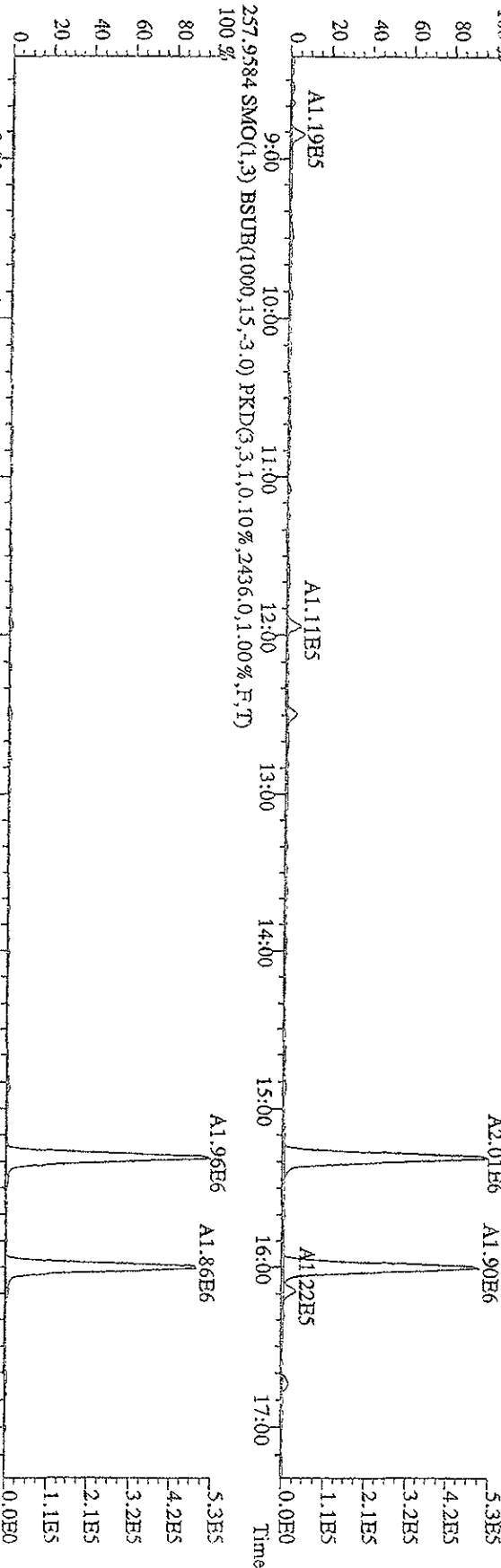
202.0766 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,113004.0,0.00%,F,T)



File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC BF+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI\_09DXN014 Exp:209DB5  
 222.0003 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,29552,0,0,00%,F,T)  
 100 %

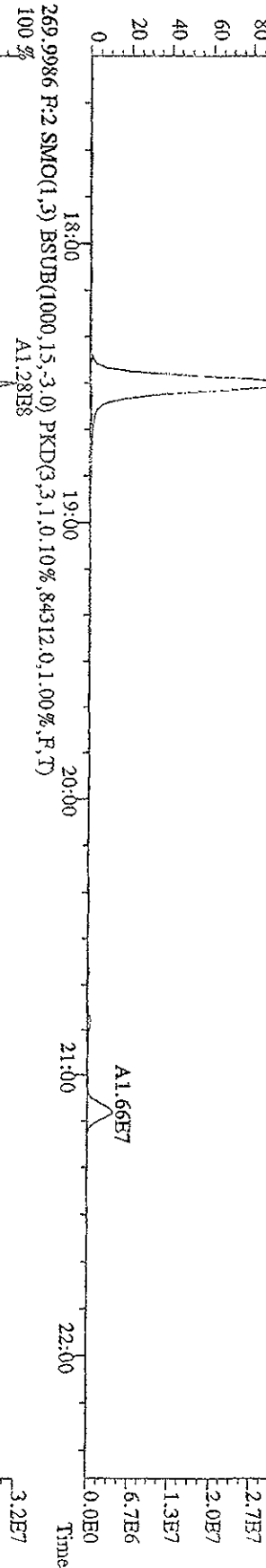
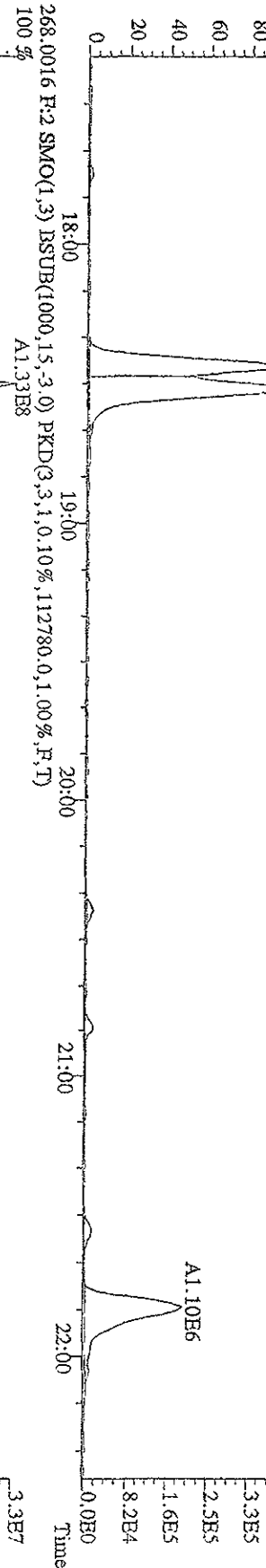
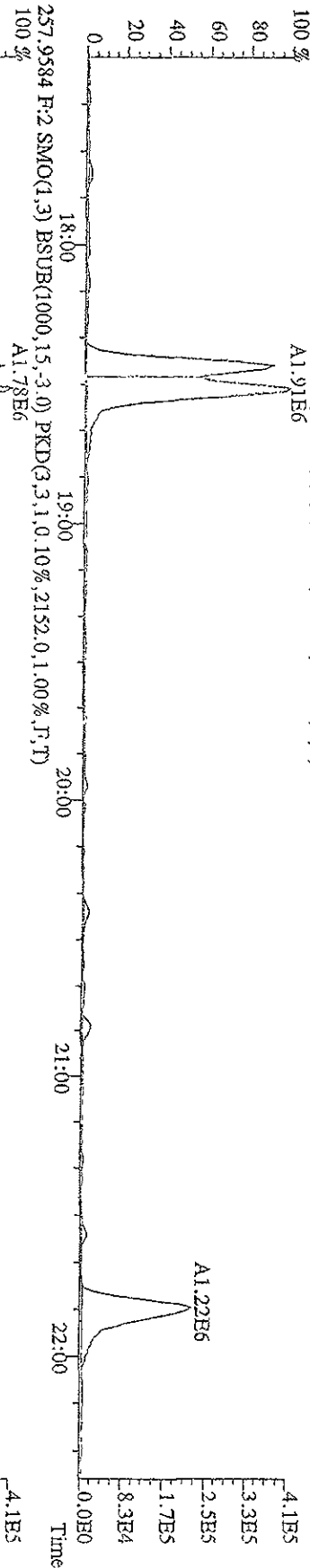


File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage S1R Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 255.9613 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4620,0,1,00%,F,T)

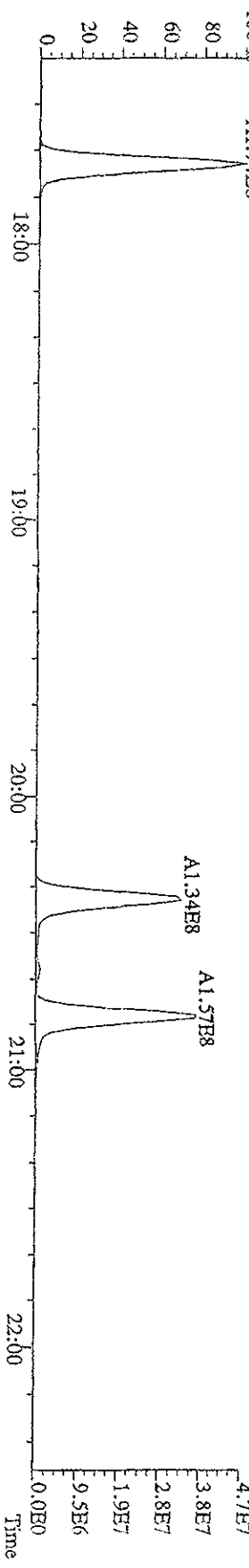
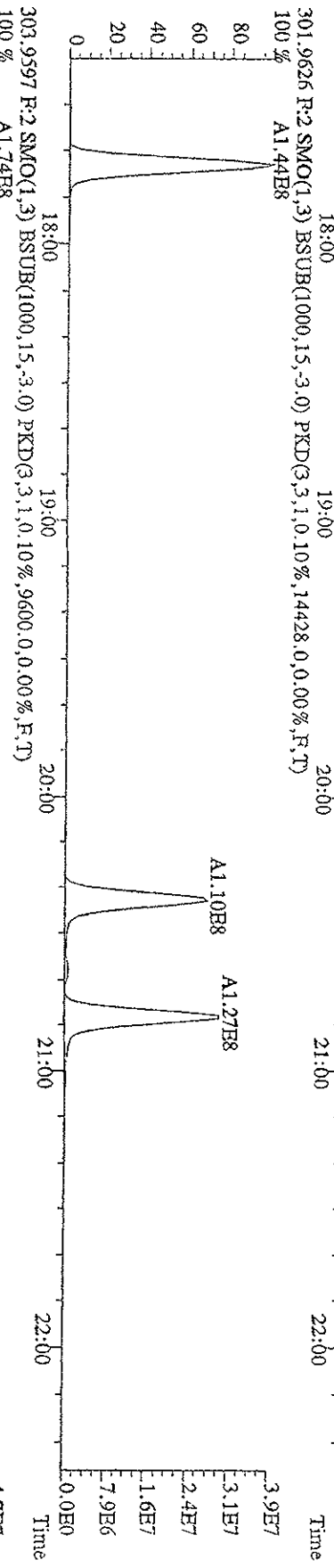
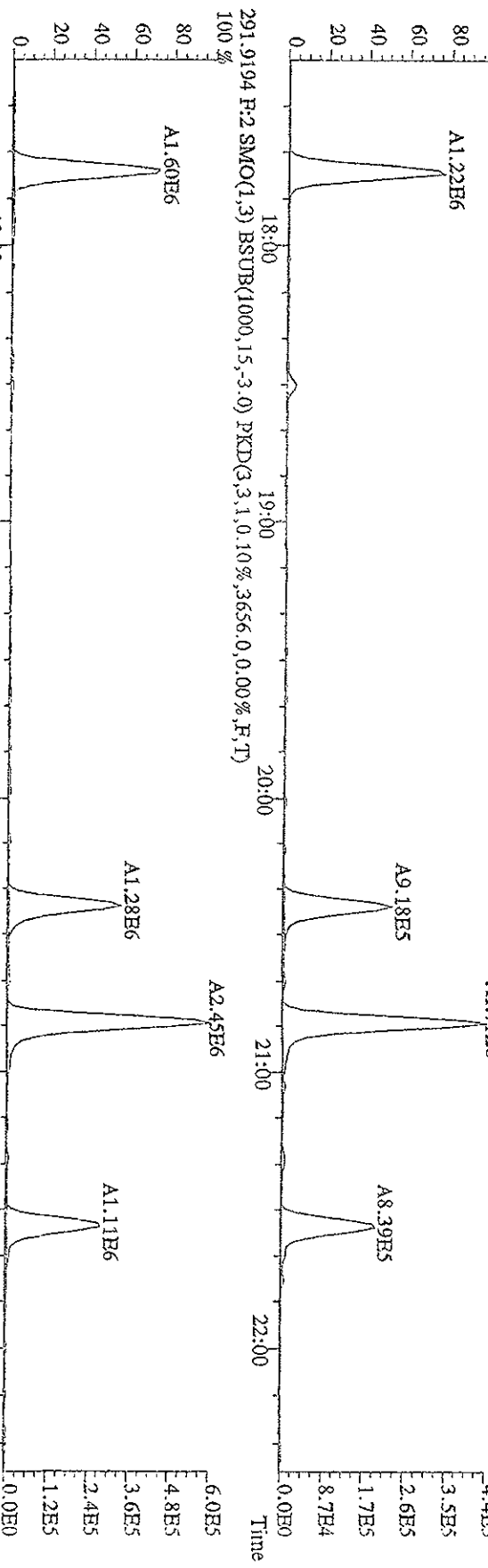




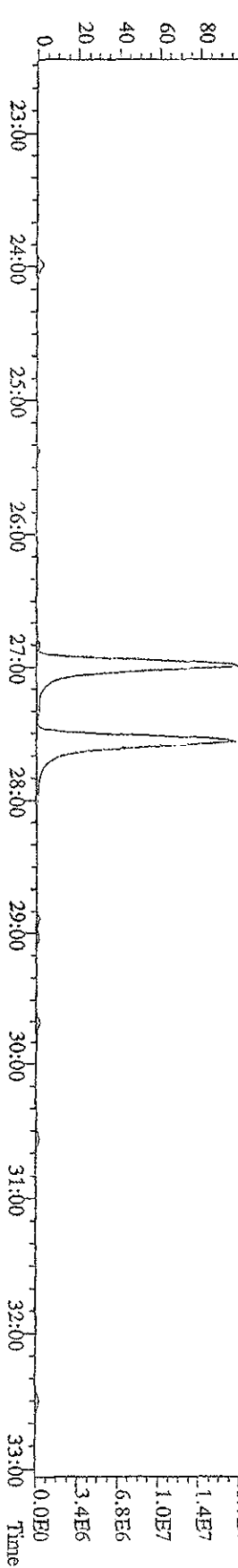
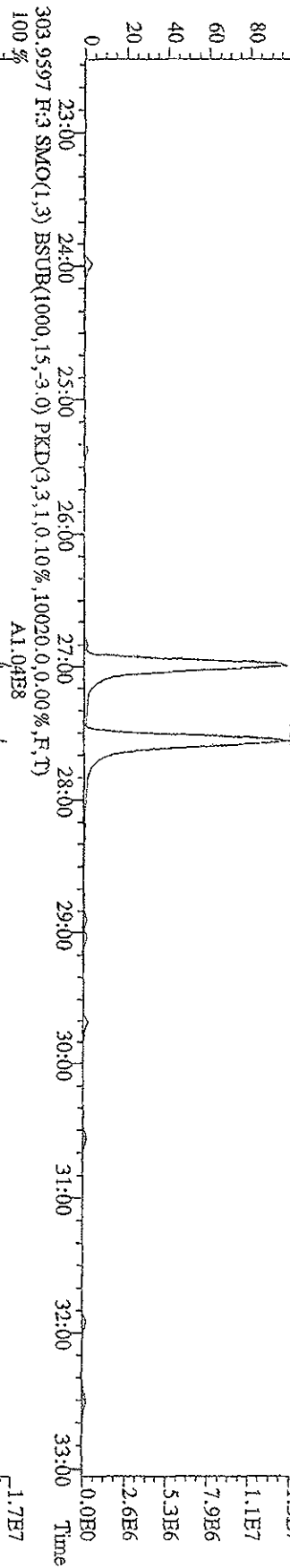
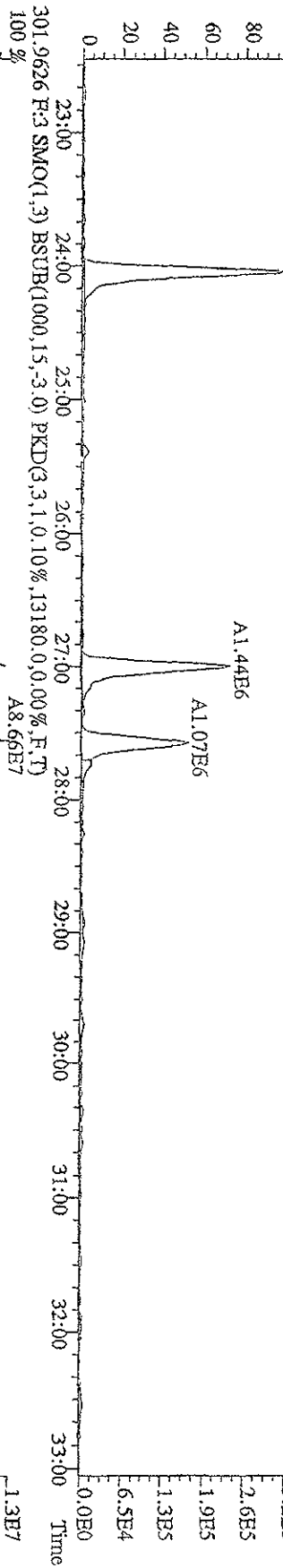
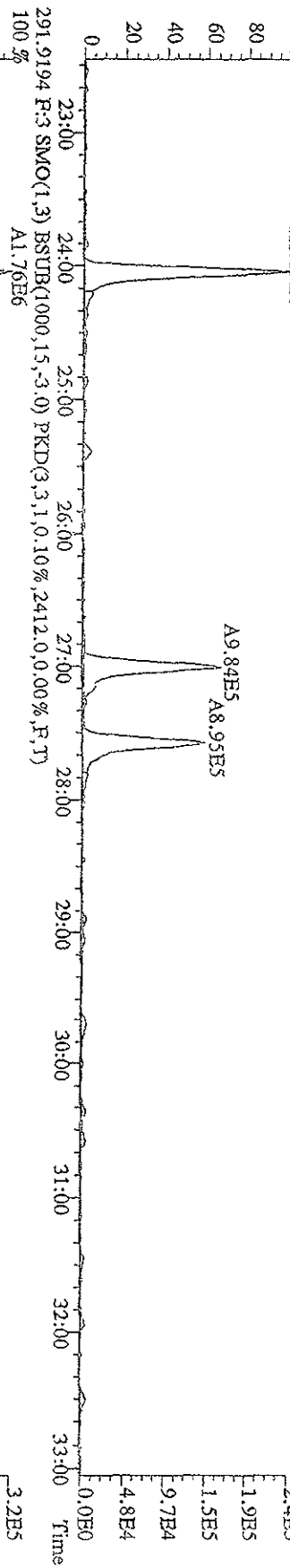
File:15TA09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXM014 Exp:209DB5  
 255.9613 F-2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4244,0,1,00%,F,T)  
 100% A1.91E6



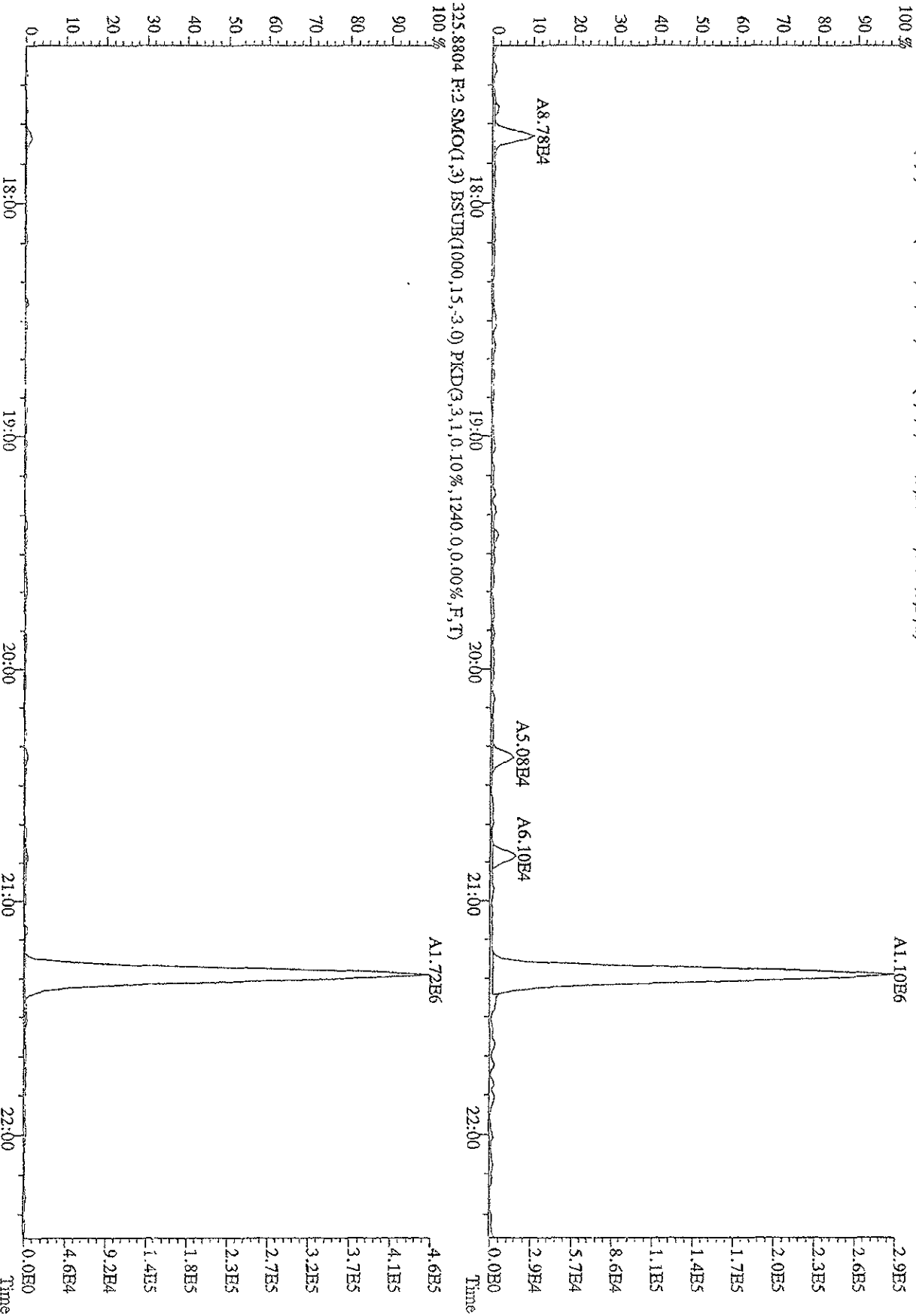
File:151A09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 289.9224 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1736,0,0,00%,F,T)  
 100 %



File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 289.9224 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1072,0,0,00%,F,T)  
 100%

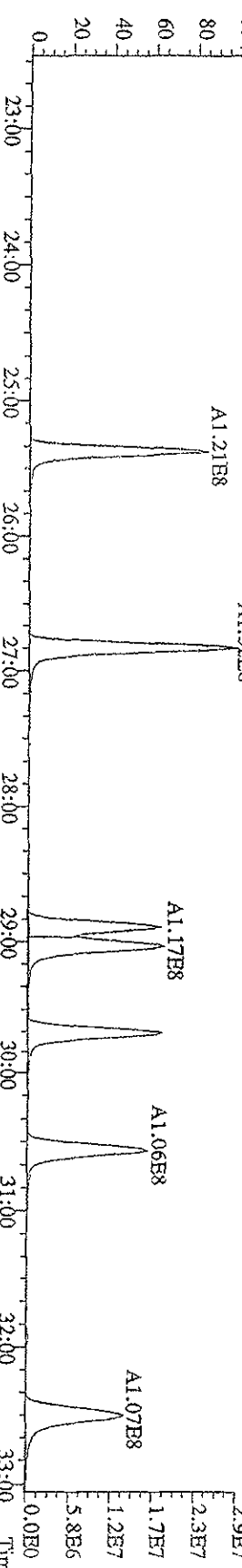
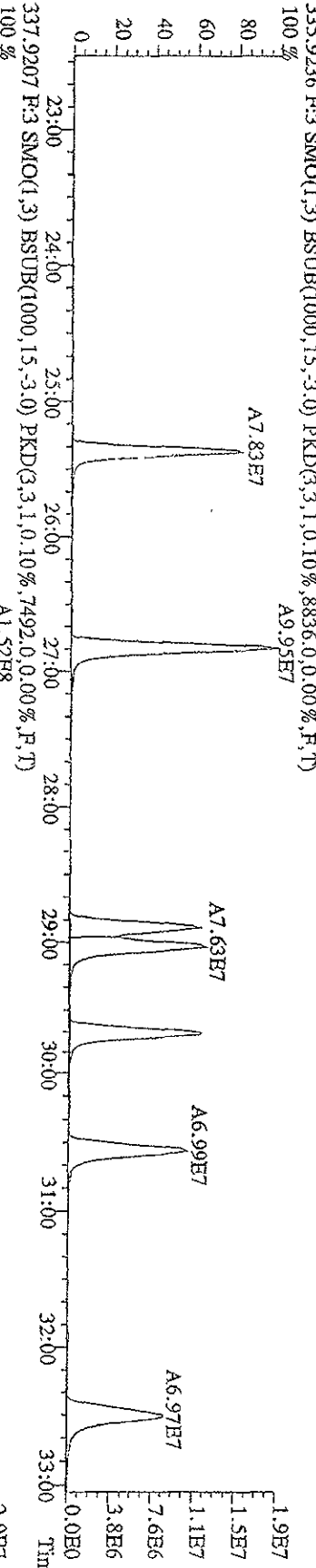
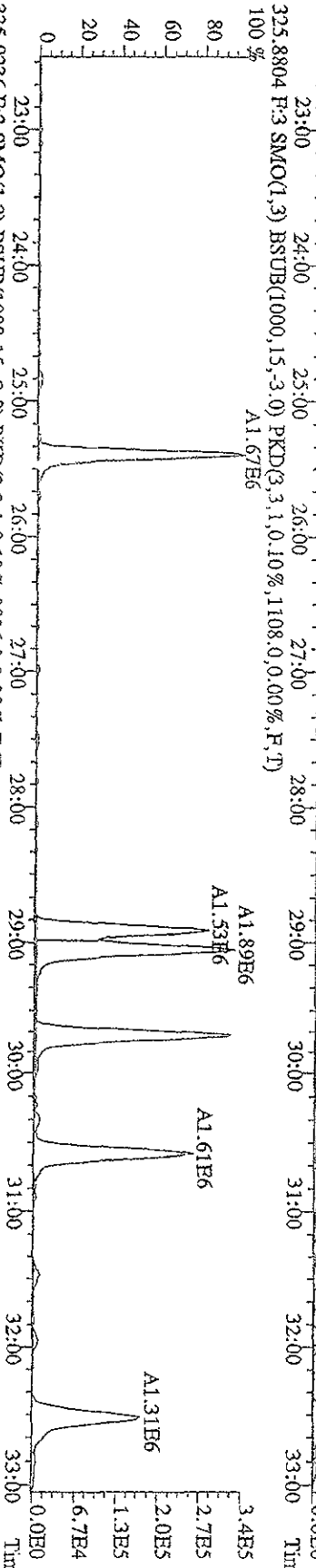
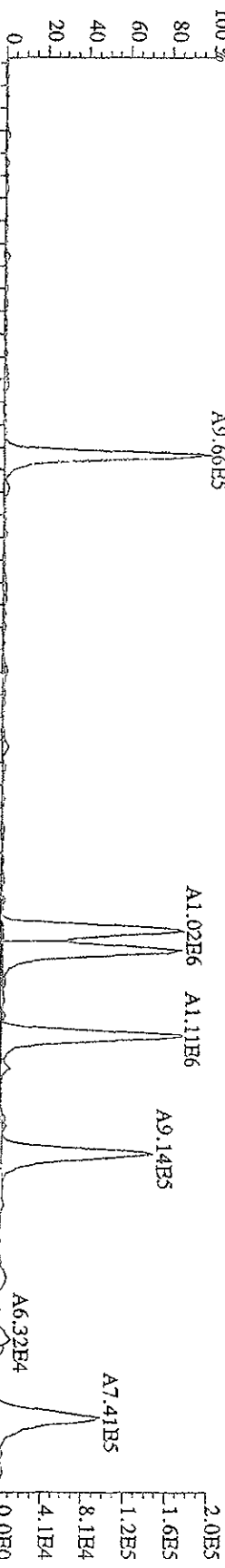


File:15JA09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
323.8834 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2076,0,0,00%,F,T)

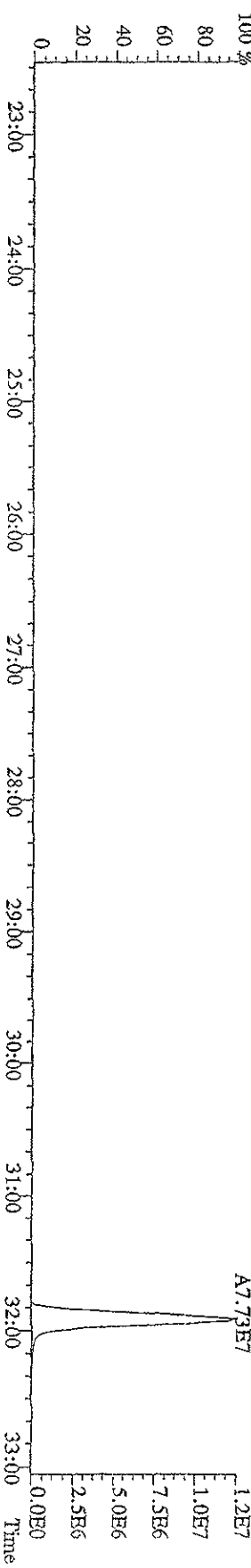
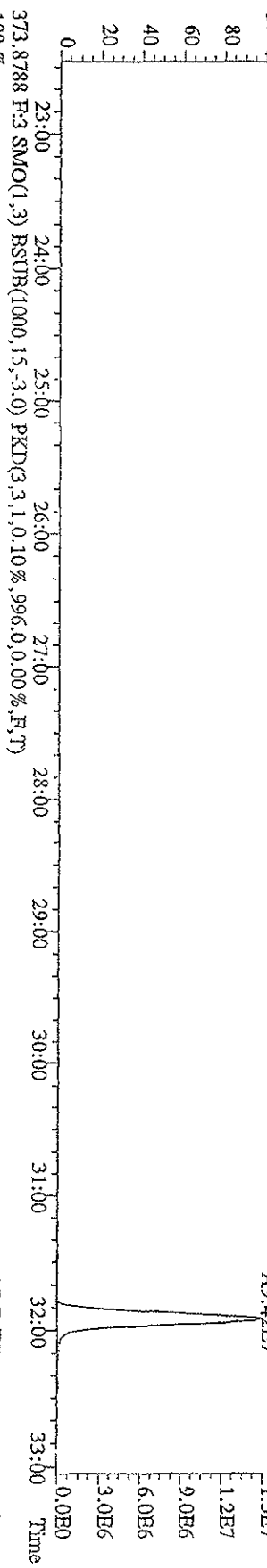
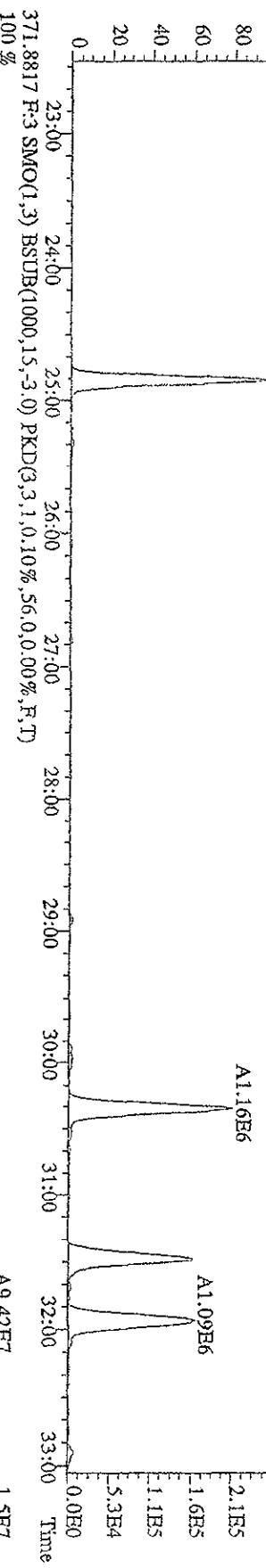
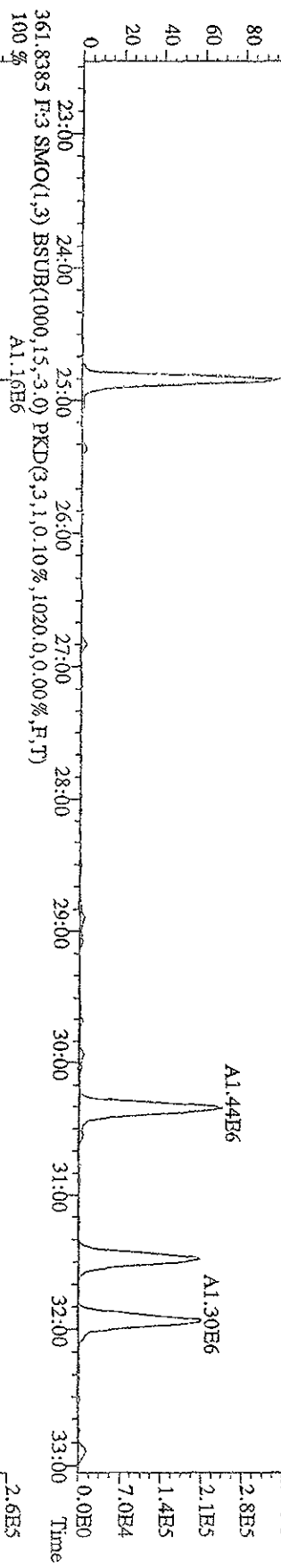


File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIF Autospec-UltimaB

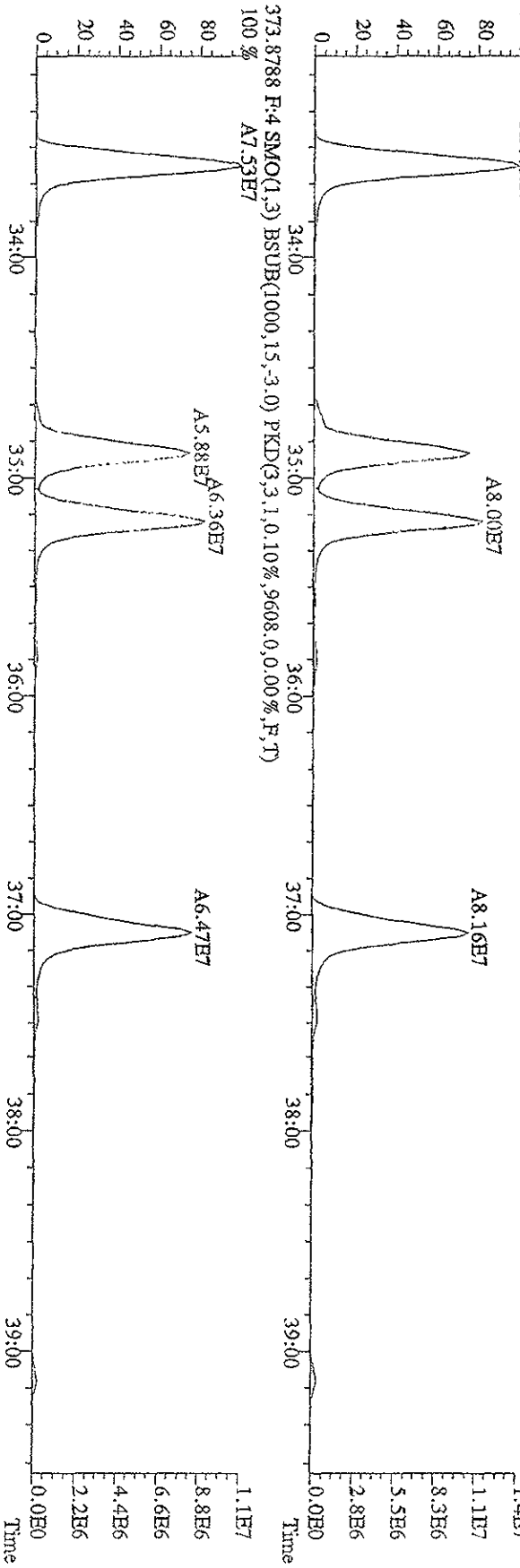
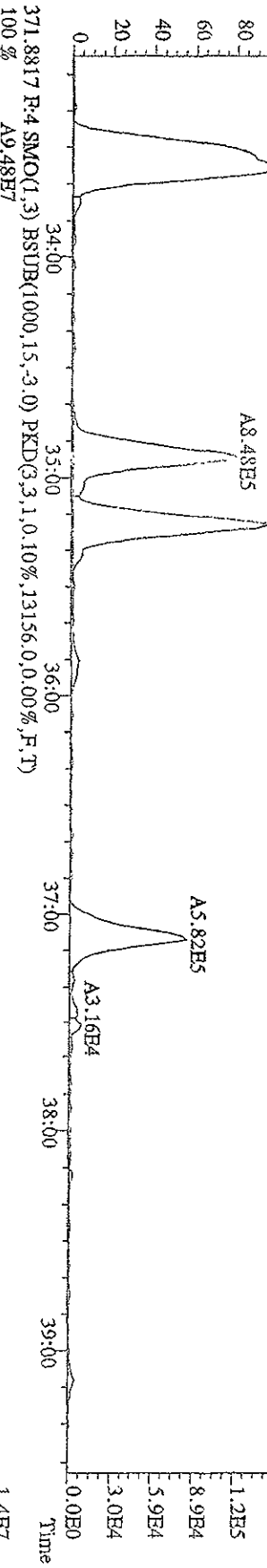
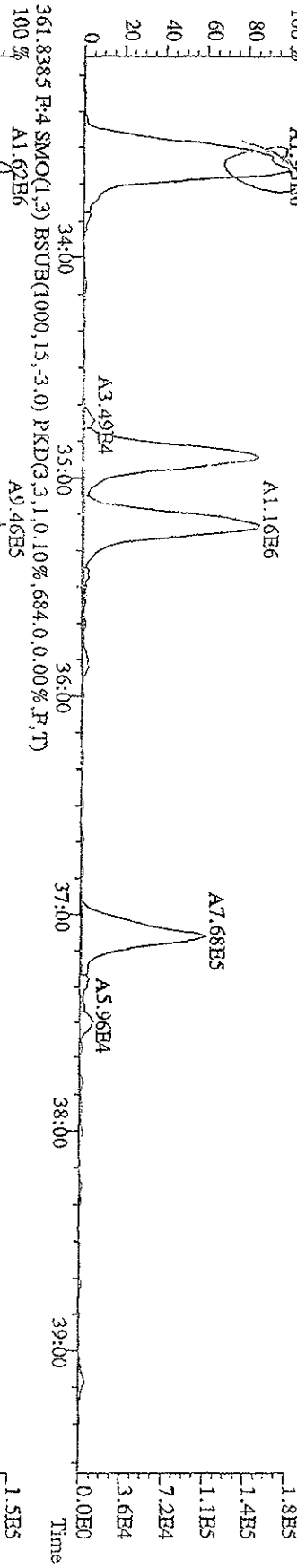
Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5



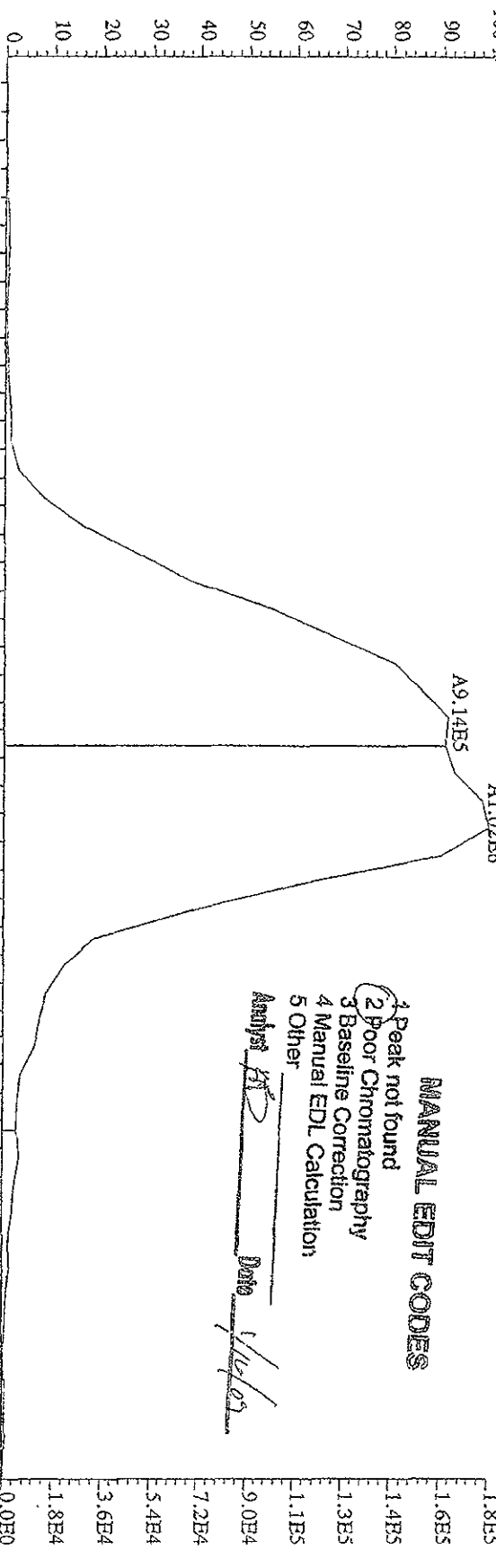
File:157A09DD9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359.8415 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1376,0,0.00%,F,T)  
 100% A1.59E6



File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC HI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 359.8415 F-4 SMO(1,3) BSUB(1000,15,-3.0) PKID(3,3,1,0,10%,928,0,0,00%,F,T)  
 100 % A1.92E6



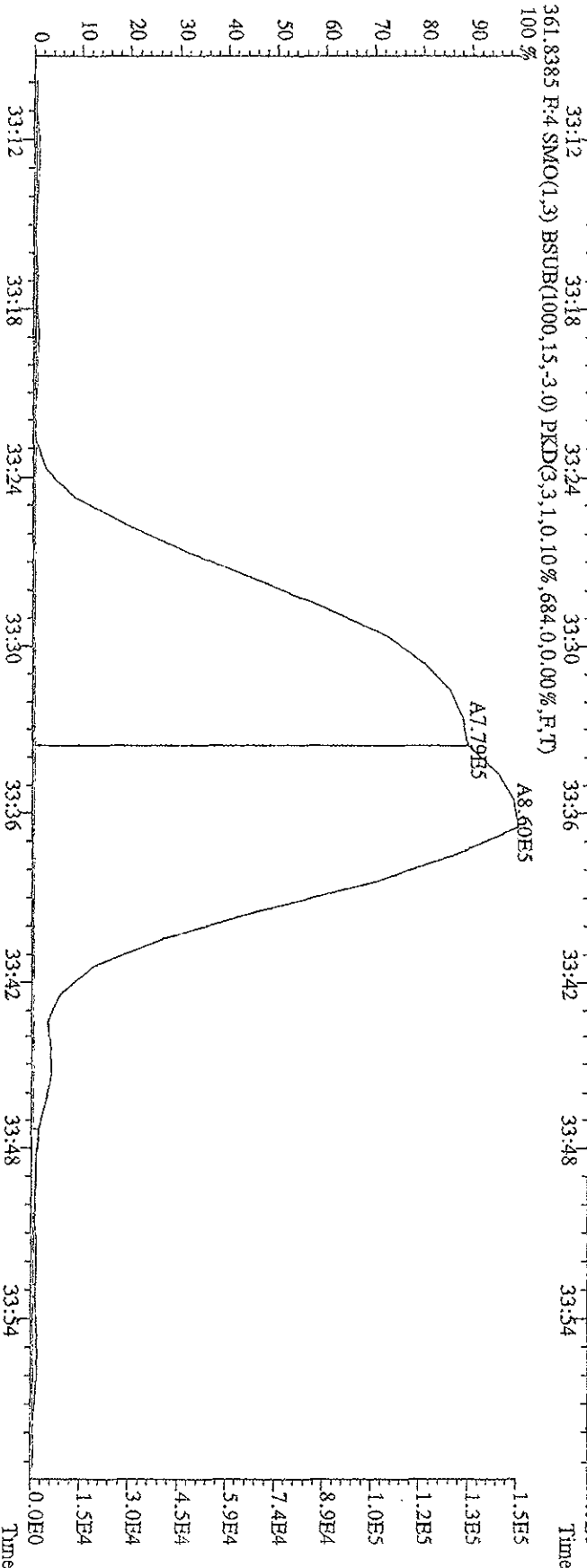
File: 151A09DD9D5 #1-395 Acq: 15-JAN-2009 20:25:19 GC BI + Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0115 : CS1 09DXN014 Exp: 209DB5  
 359.8415 F: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,928,0,0,00%,F,T)



**MANUAL EDIT CODES**

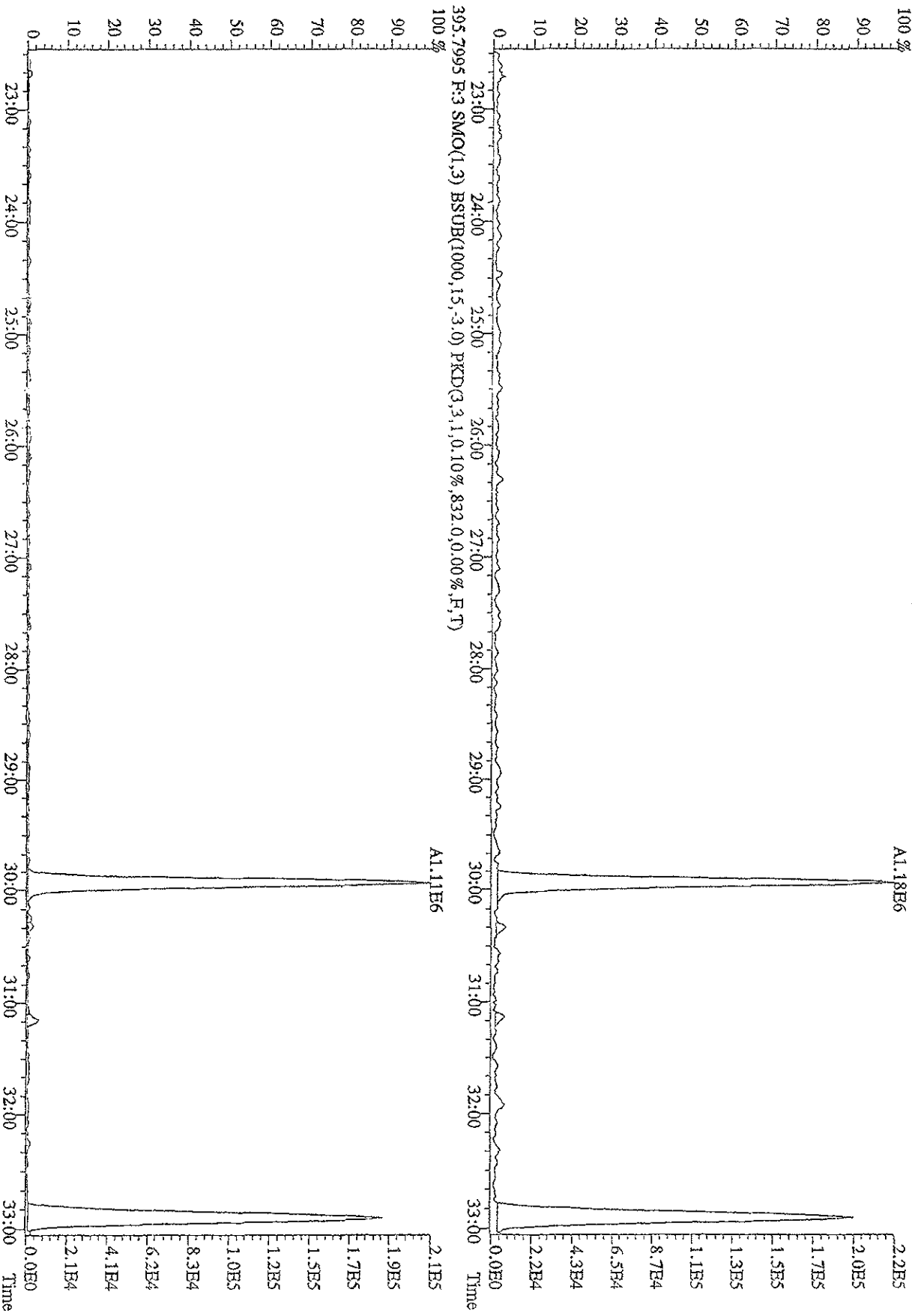
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst STP Date 1/16/09

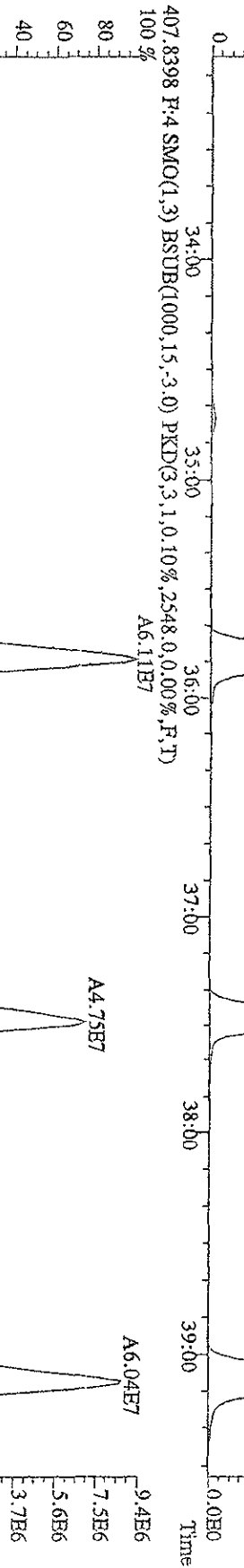
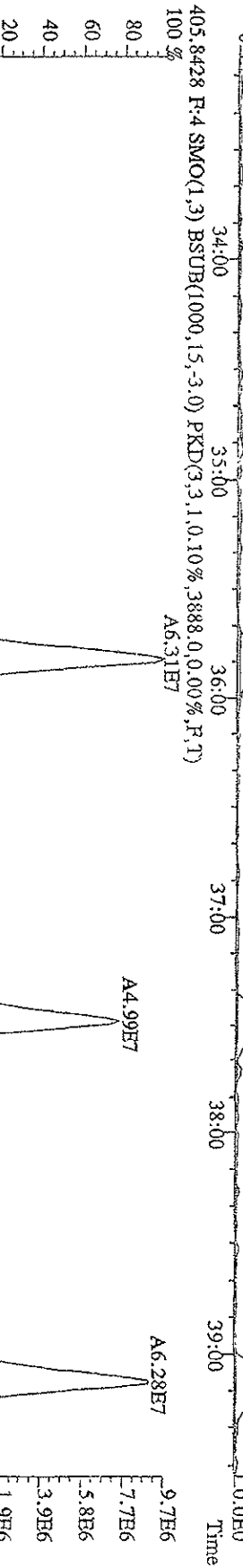
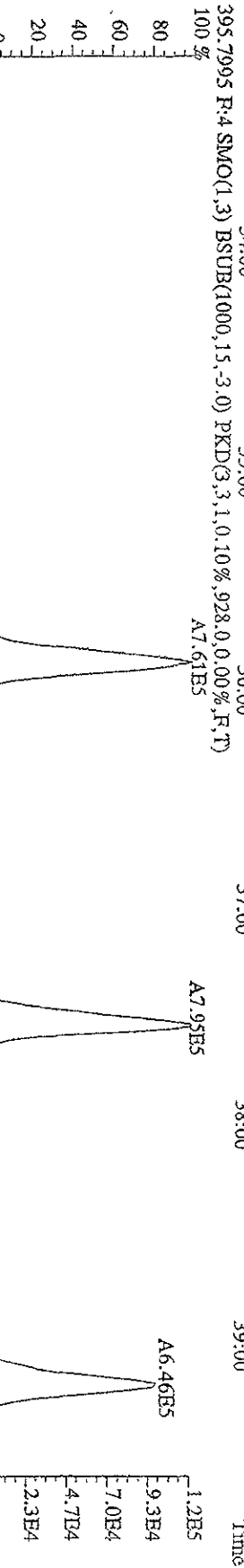
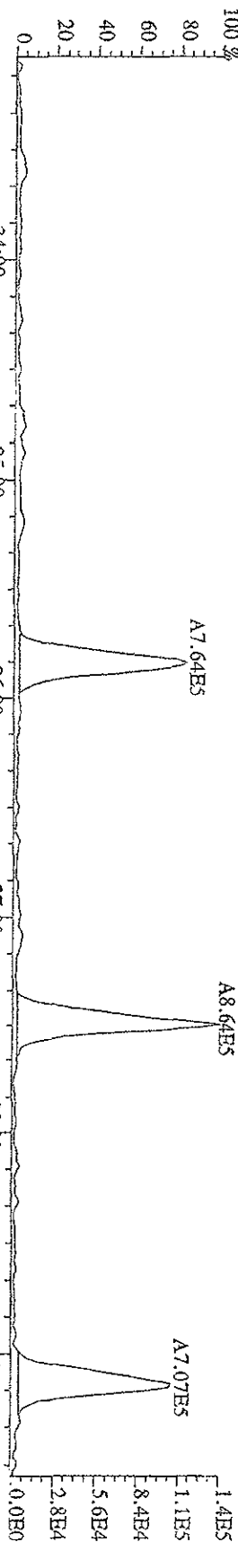




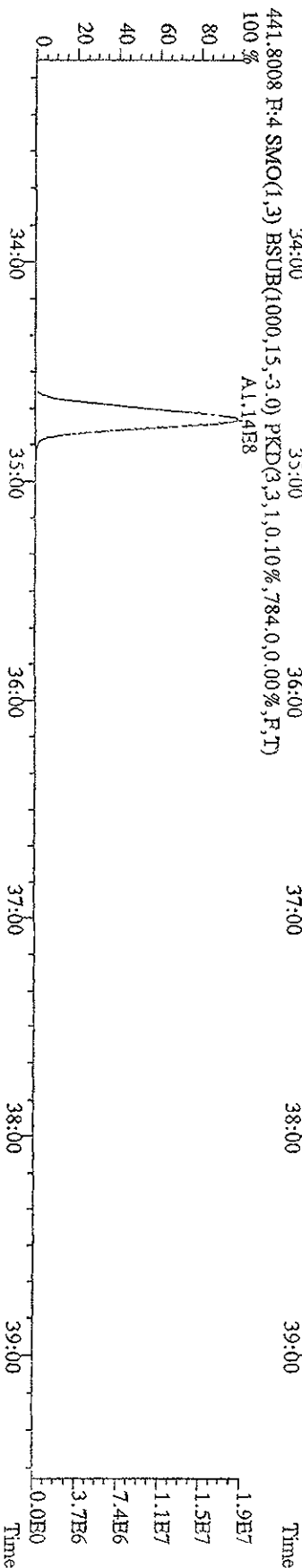
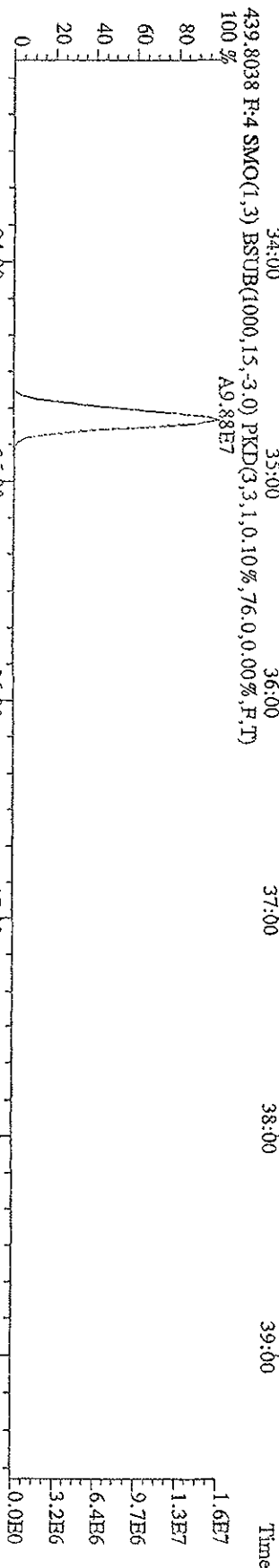
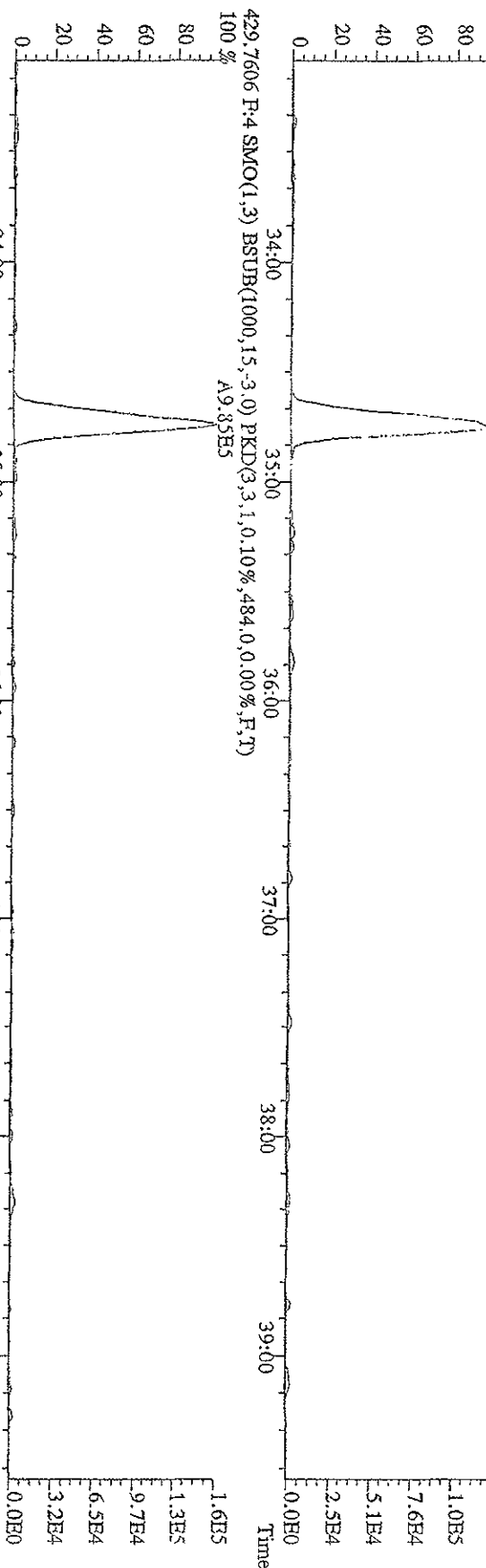
File: 15IA09DD9D5 #1-597 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0115 : CS1 09DXN014 Exp: 209DB5  
 393.8025 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3252,0,0,00%,F,T)  
 100%



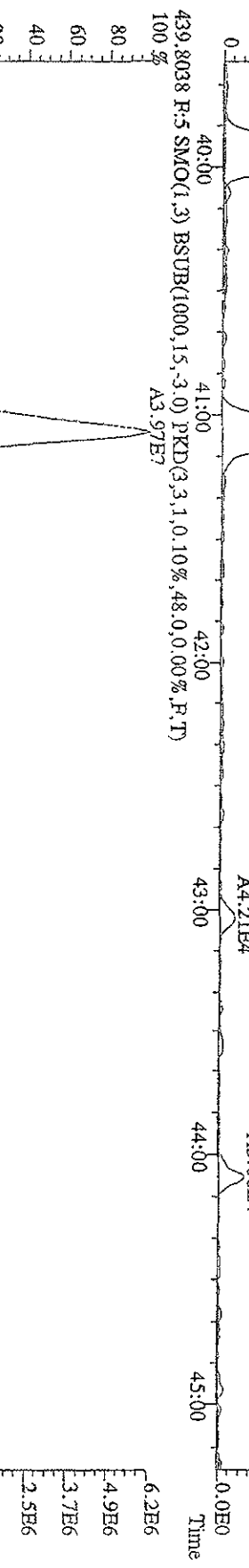
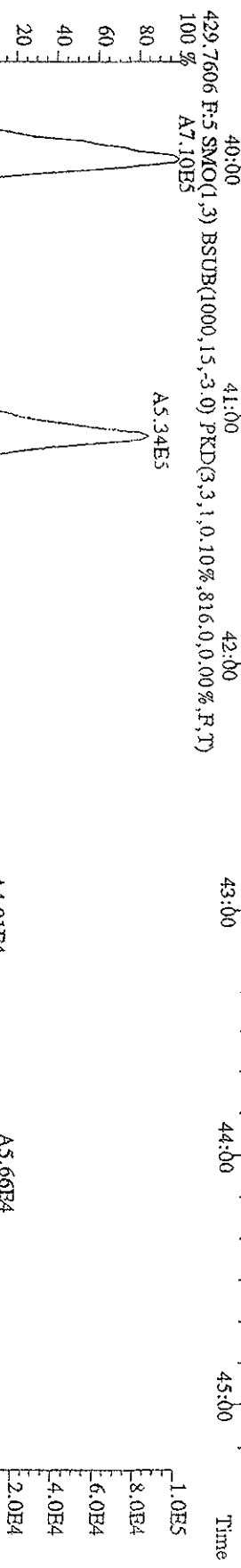
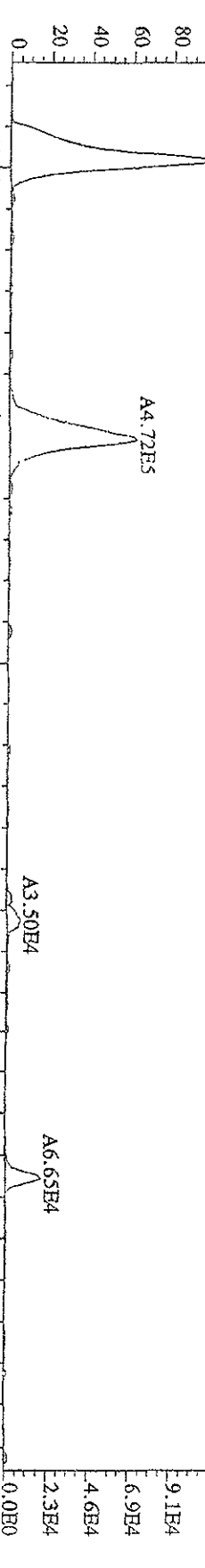
File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage 51R Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 393.8025 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3464,0,0,00%,F,T)



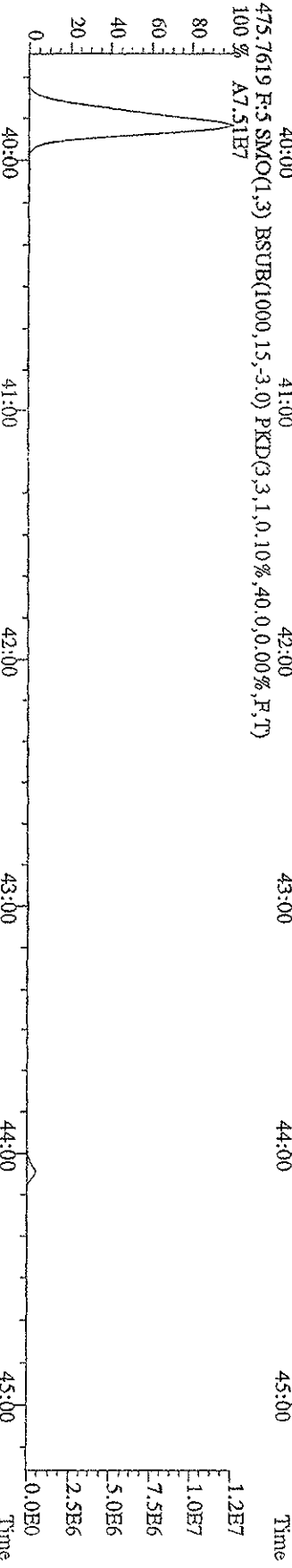
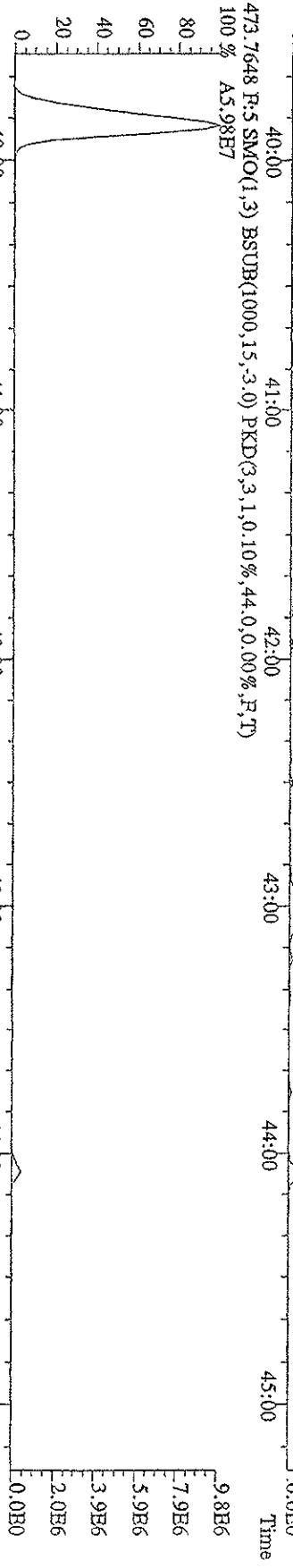
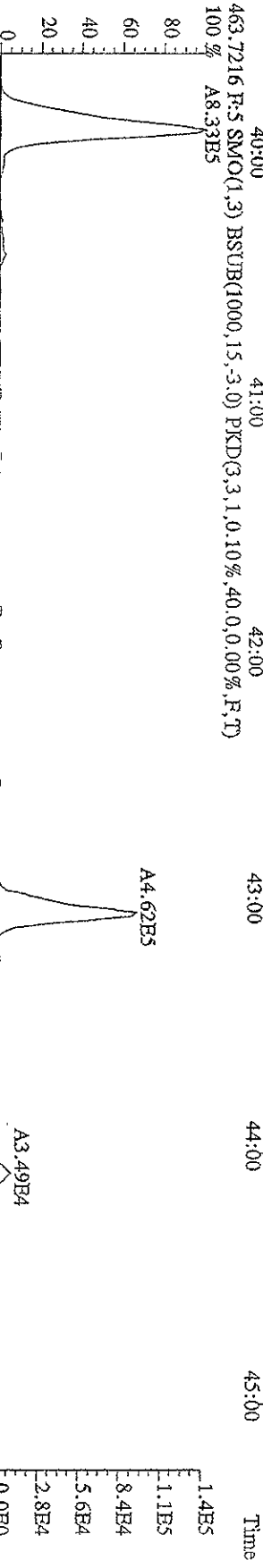
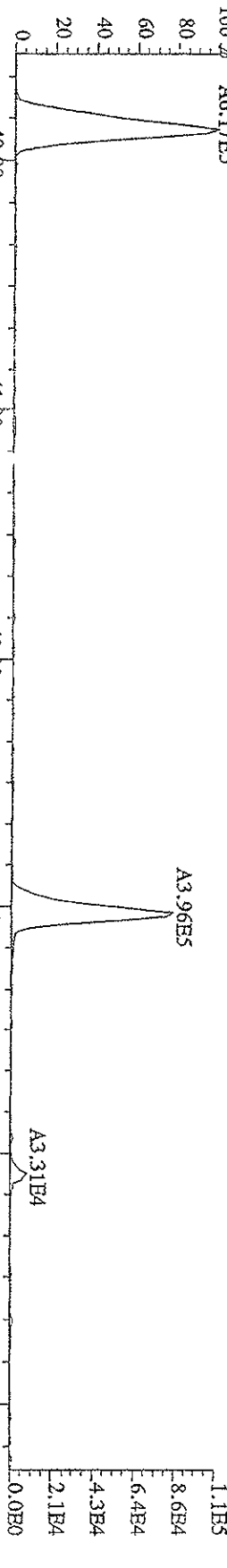
Title:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage:50V Autospec-UltraMS  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 427.7635 R:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,396,0,0,00%,F,T)  
 100% A8.09E5



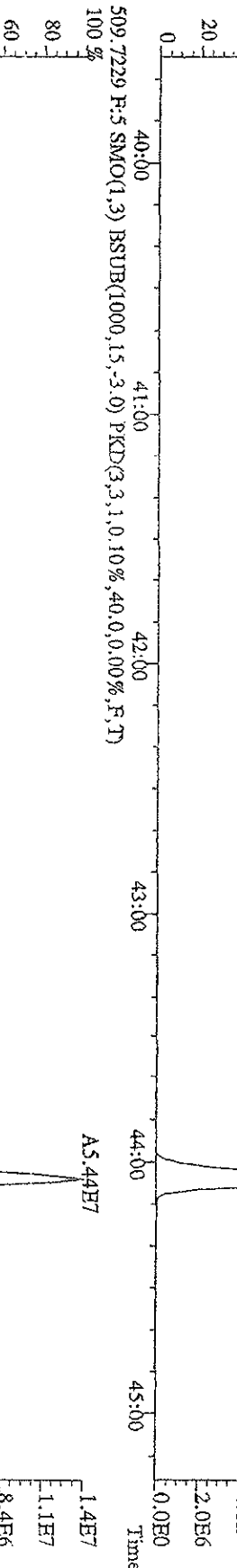
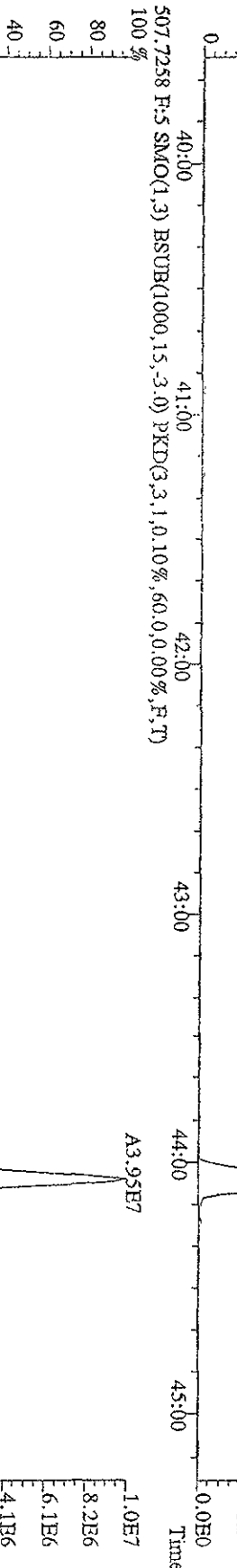
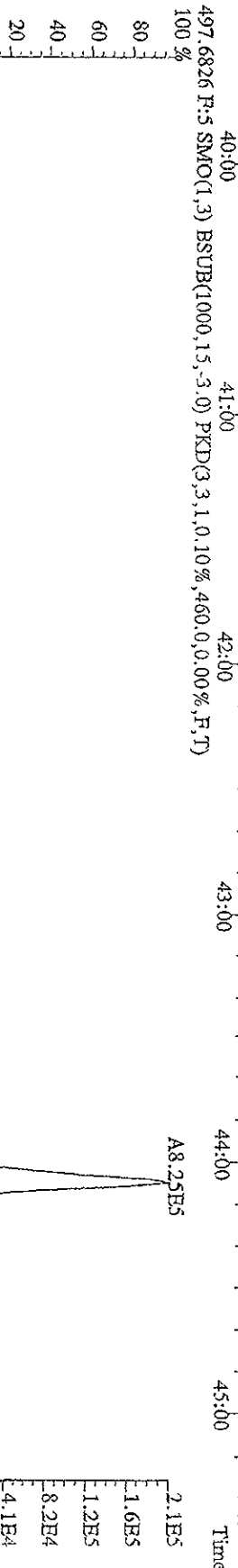
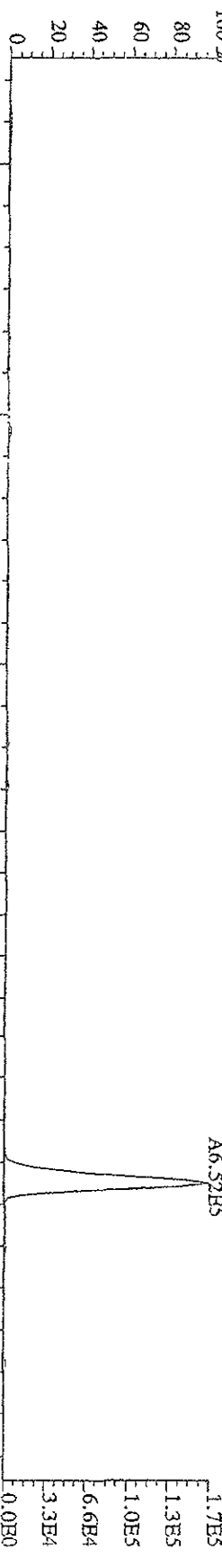
File: 15TA09D9D5 #1-378 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIP Autospec-Ultimate  
 Sample#1 Text: ST0115 :CS1 09DXNO14 Exp: 209DB5  
 427.7635 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,76.0,0.00%,F,T)  
 100% A6.55E5



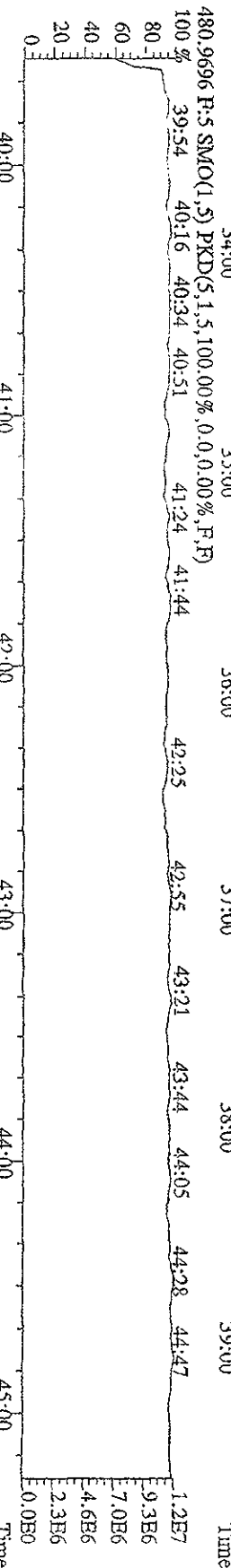
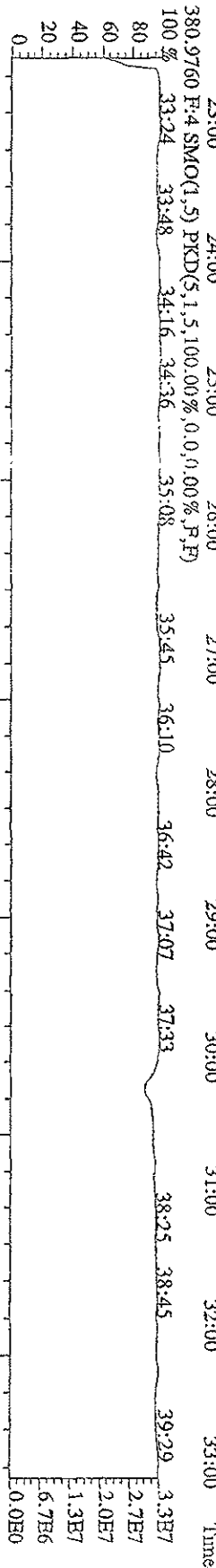
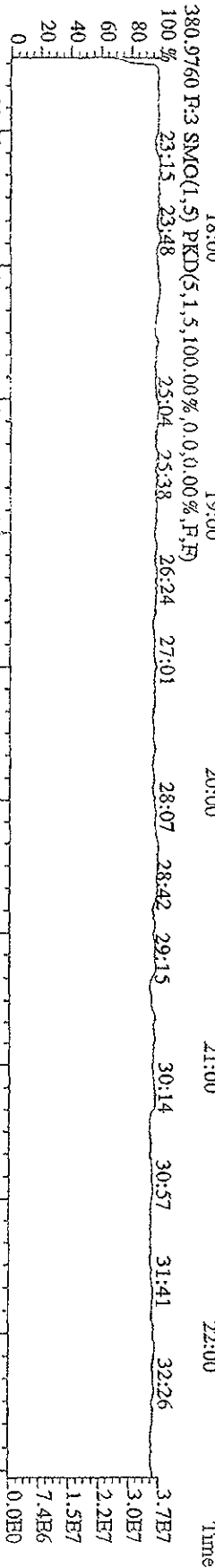
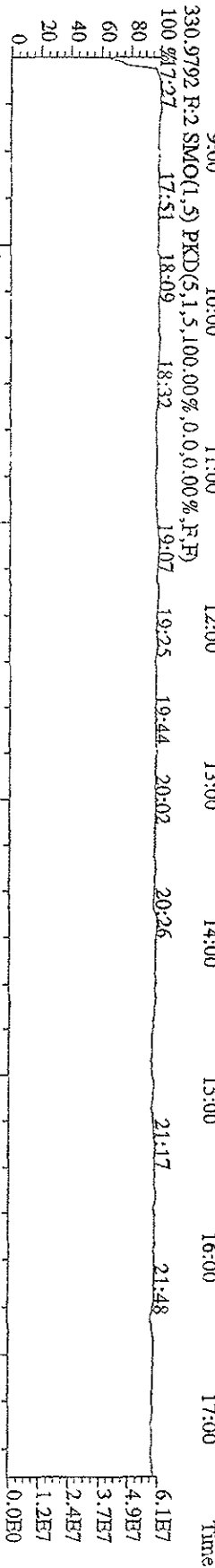
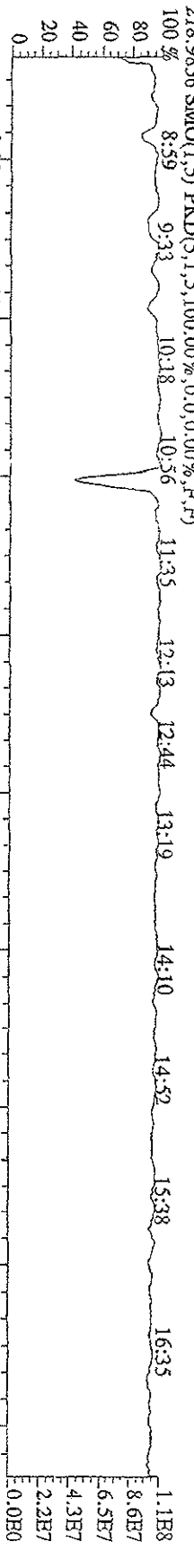
File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 461.7245 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,336,0,0.00%,F,T)  
 100% A6.17E5



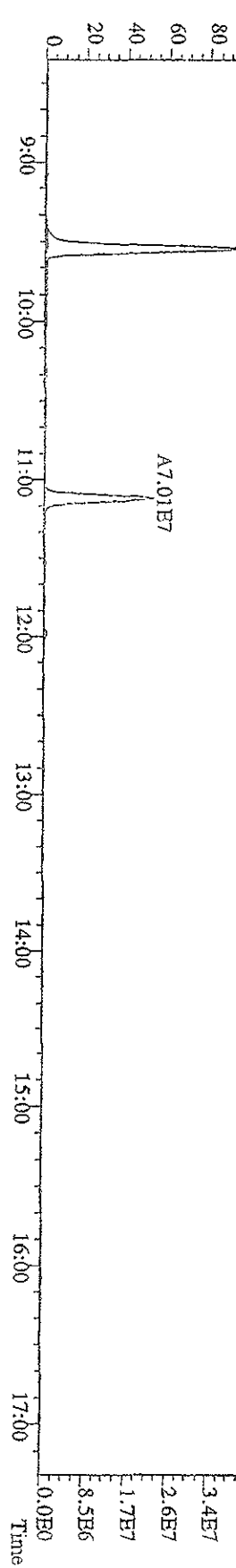
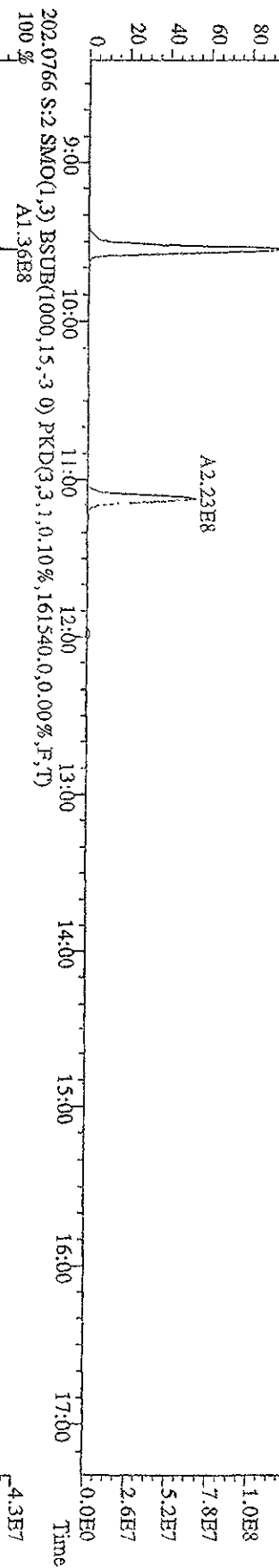
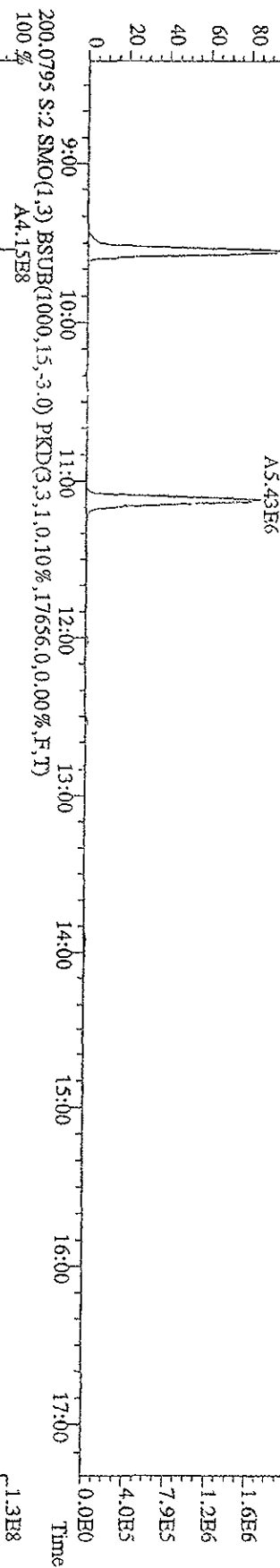
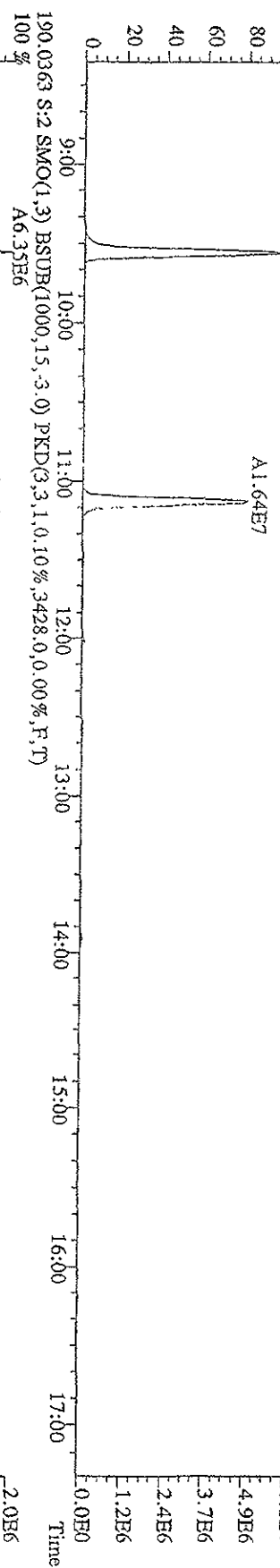
File:151A09DD9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 495.6856 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,420,0,0,00%,F,T)



File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC BI + Voltage SFR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5

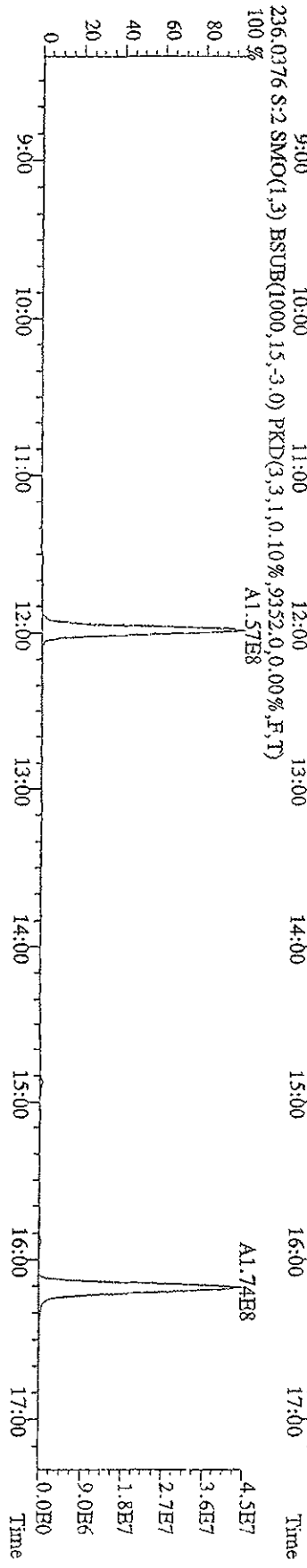
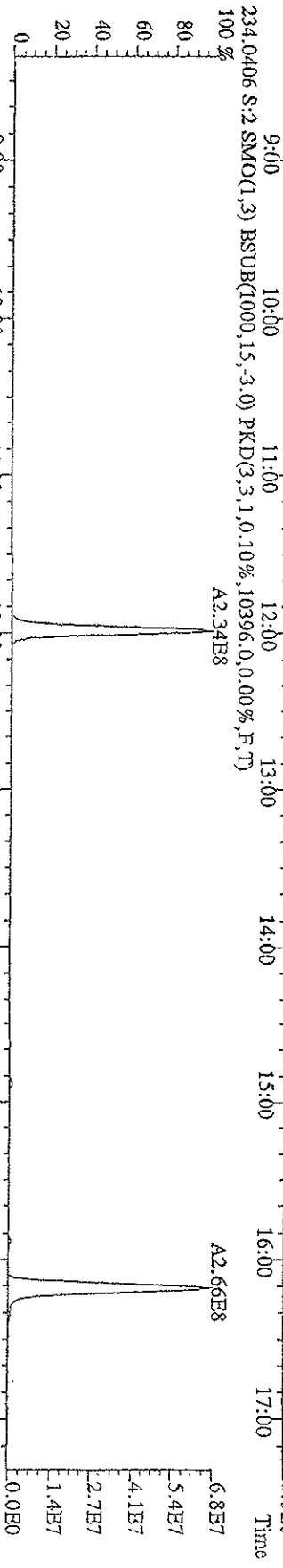
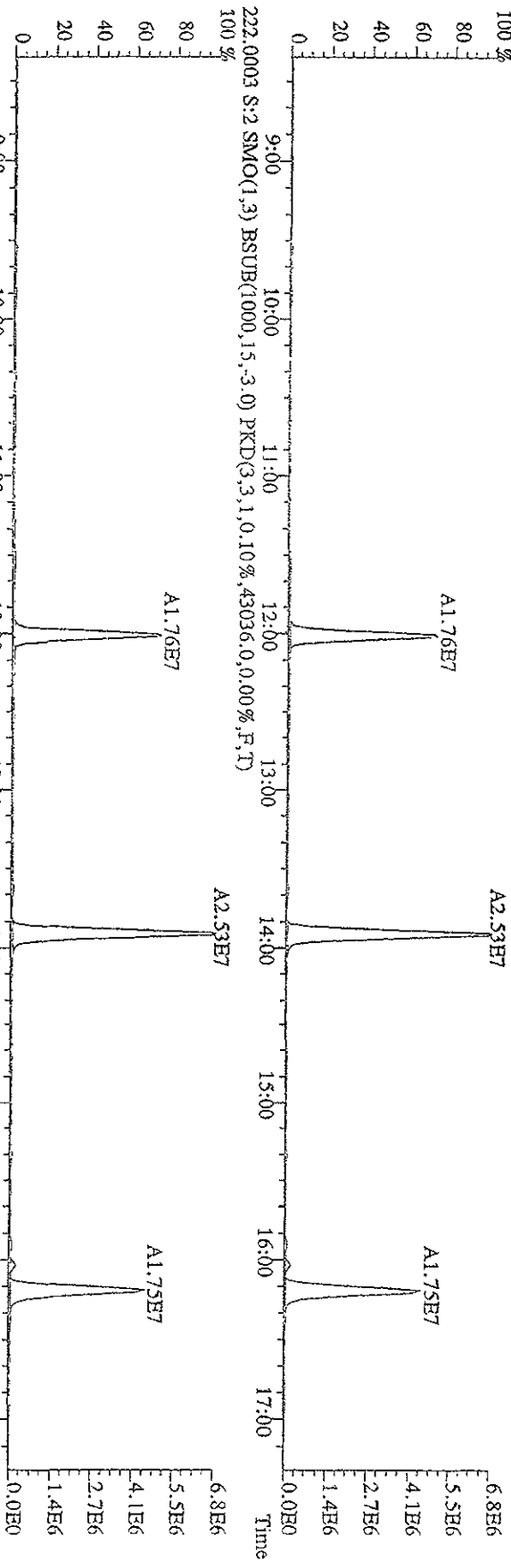


File:15JA09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 188.0393 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(3.3,1.0,10%,5748.0,0.00%,F,T)  
 100% A1.95E7

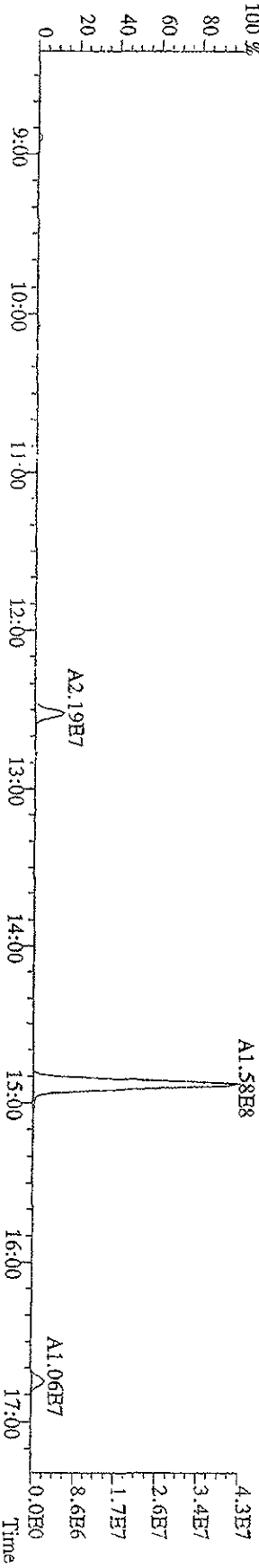
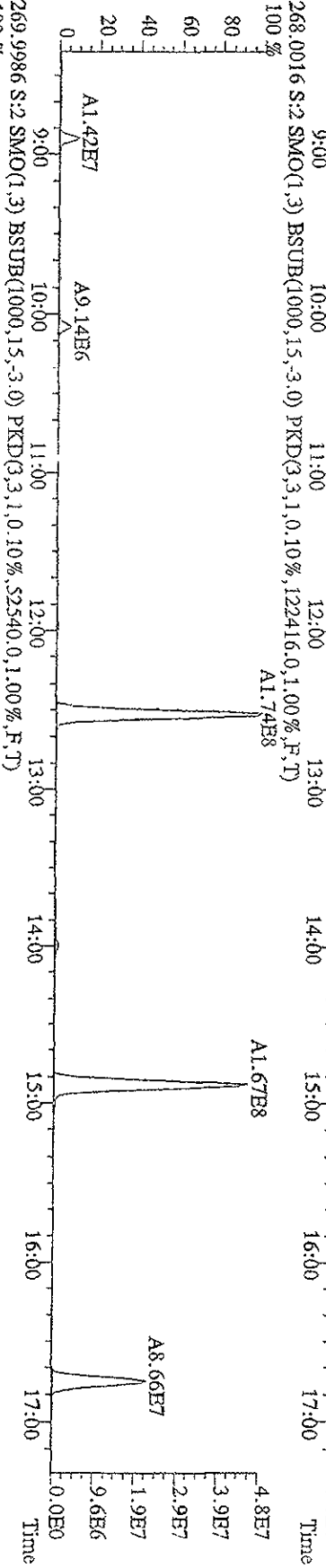
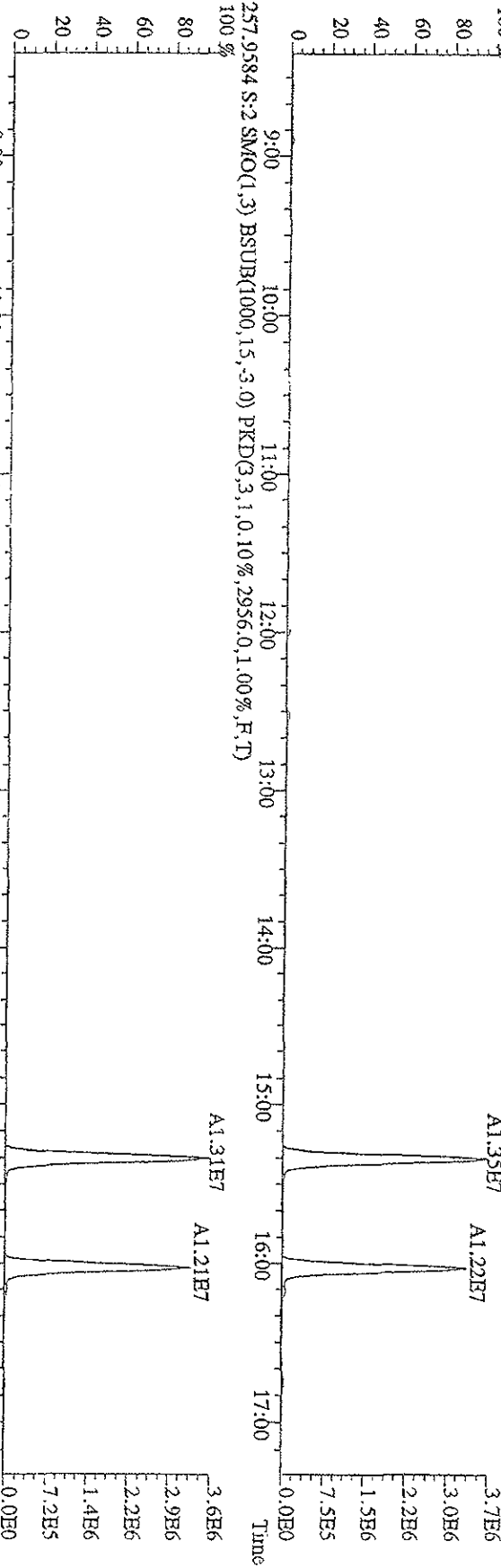




File:151A09DD9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 222.0003 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,43036,0,0,00%,F,T)

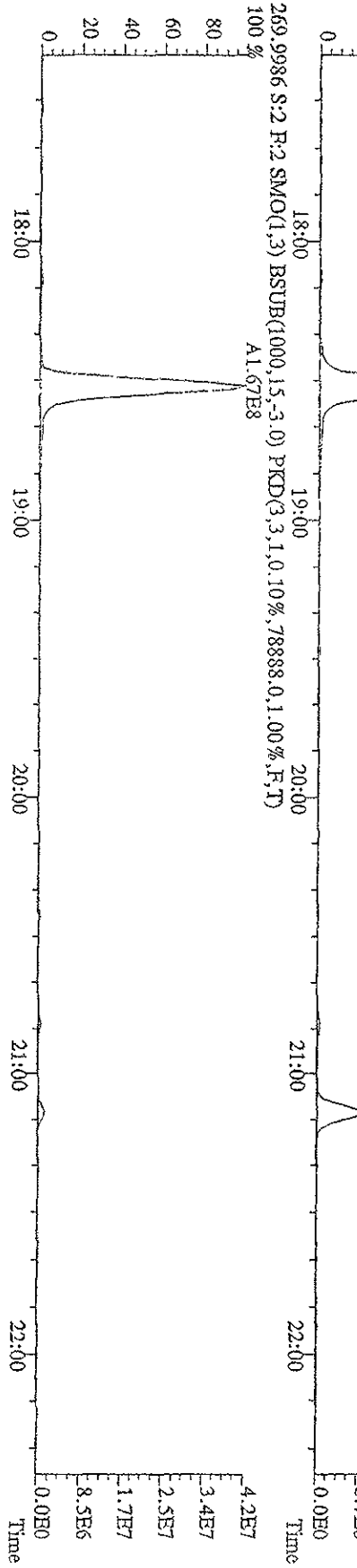
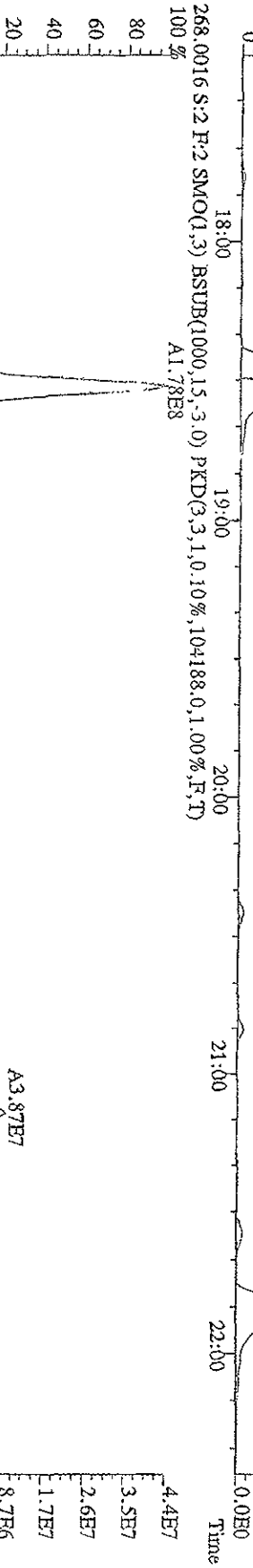
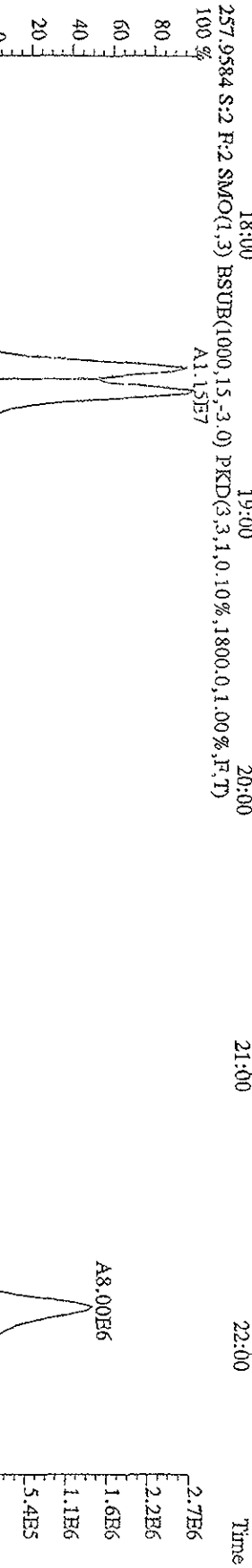
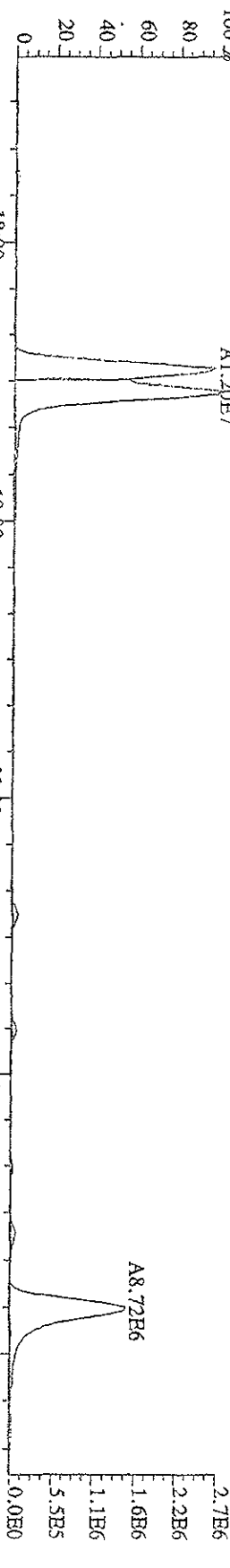


File:151A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Volage SFR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 257.9584 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2956,0,1,00%,F,T)  
 259.9986 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,52340,0,1,00%,F,T)

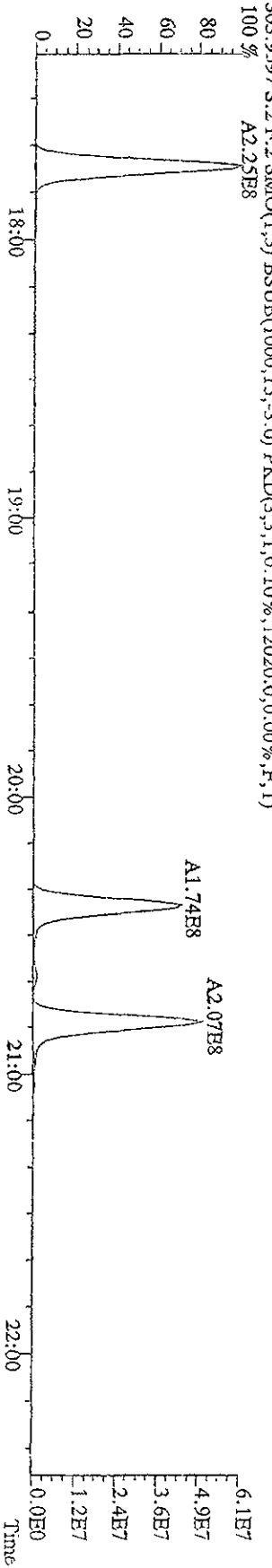
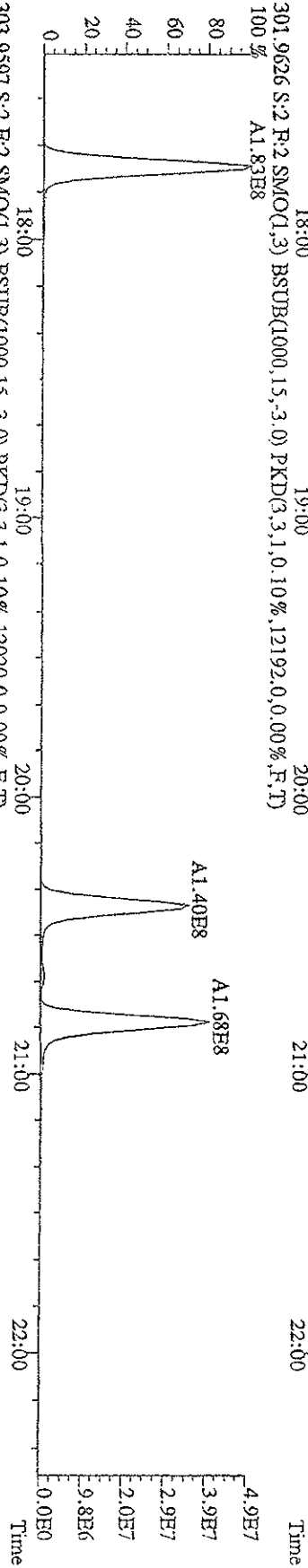
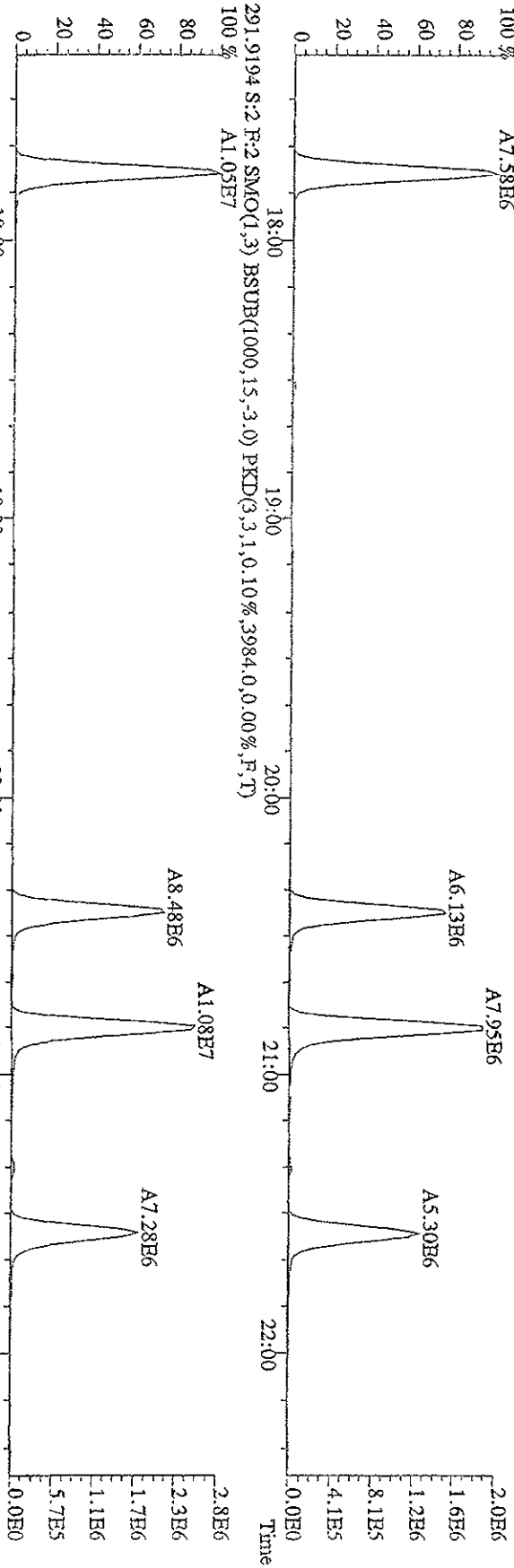


File:151A09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC.HI + Voltage SIR Autospec-Ultimate

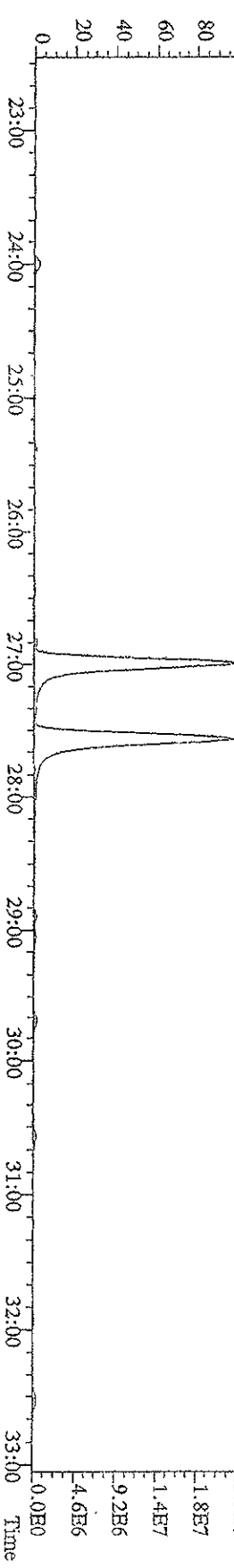
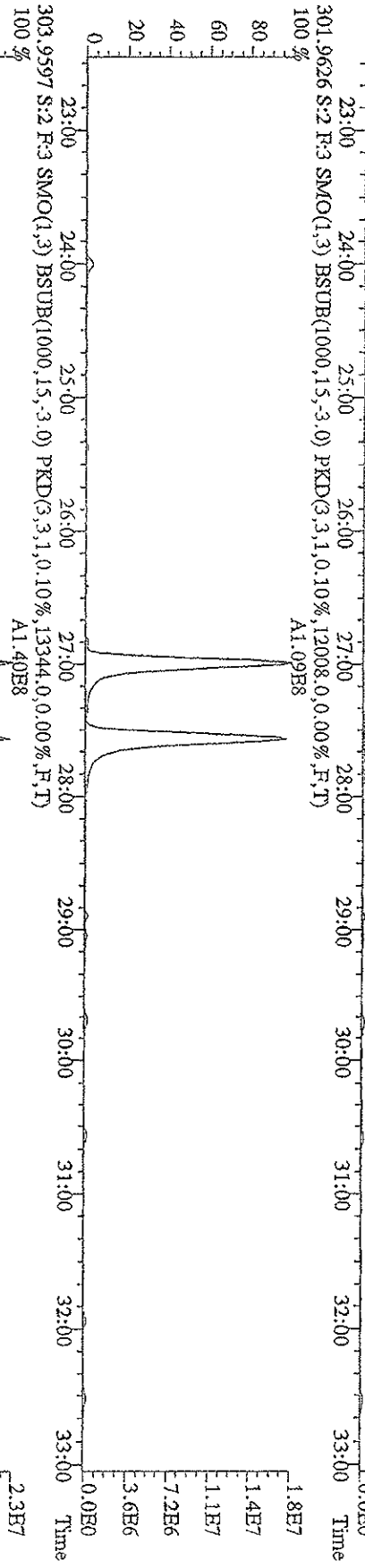
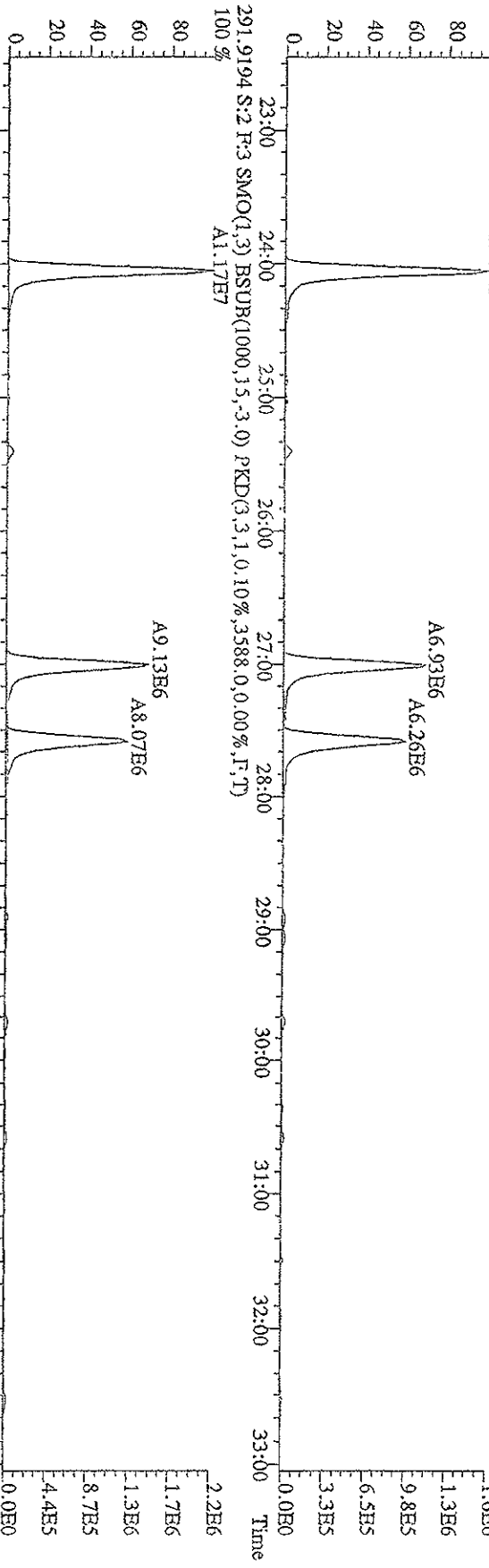
Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5



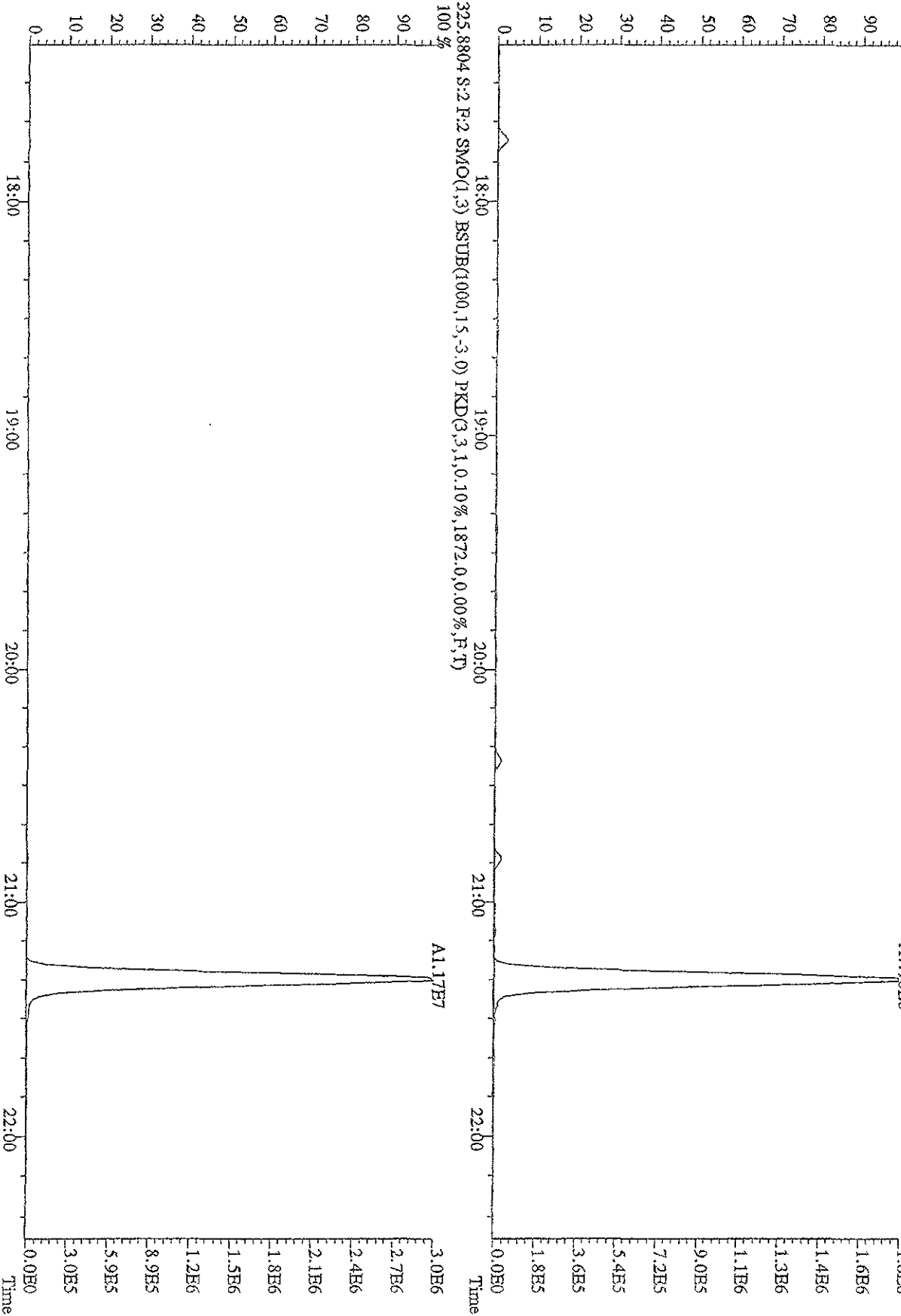
File:151A09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UHhmb  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 289.9224 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3984,0,0,00%,F,T)  
 100% A7.58E6



Title: 151A09D9D5 #1-597 Acq: 15-JAN-2009 21:16:36 GC: EI+ Voltage: SIR Autospec-UltimaB  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUR(1000,15,-3,0) PKD(3,3,1,0,10%,2360,0,0,00%,F,T)  
 100% A8.70E6

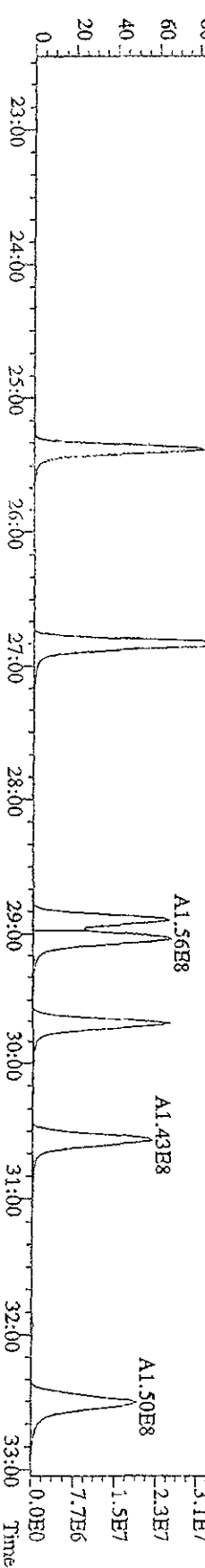
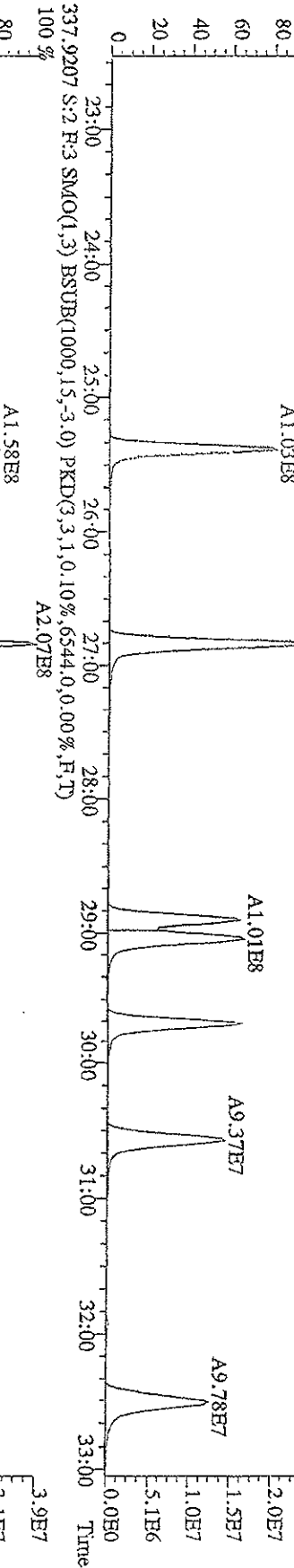
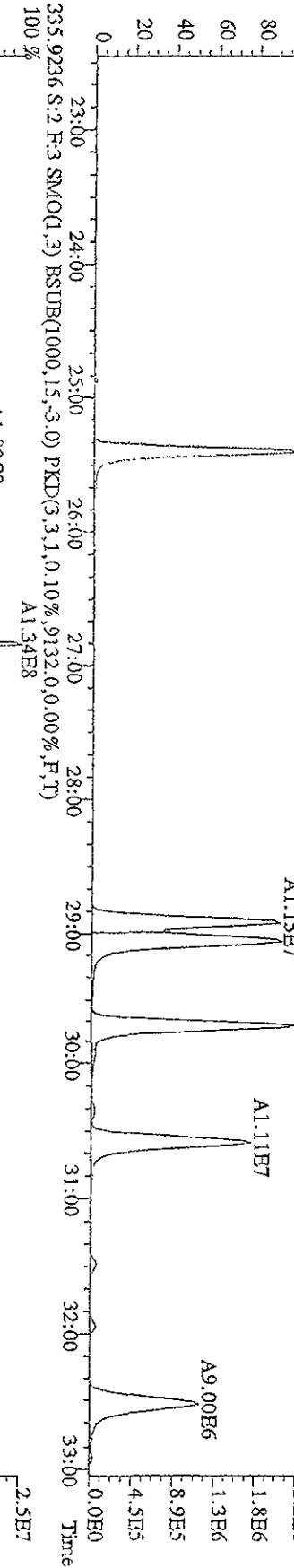
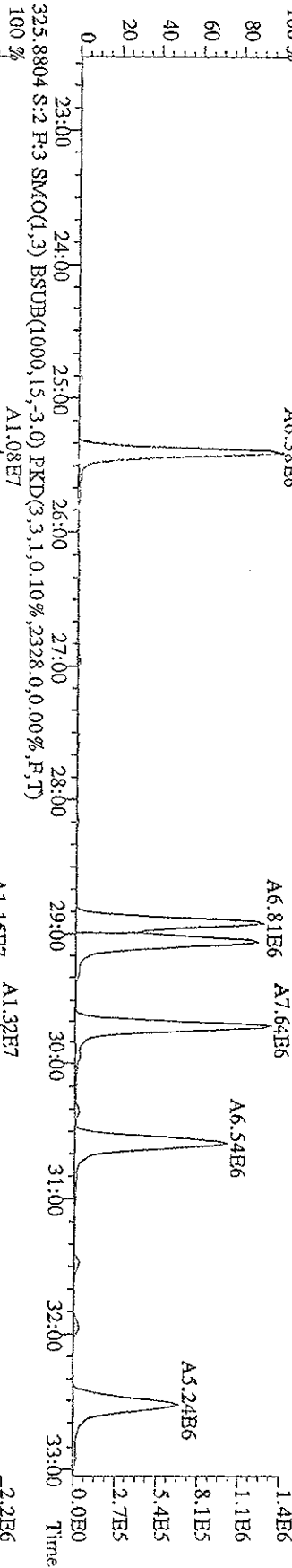


File:15JA09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaB  
Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
323.8834 S:2 F:2 SMO(1,3) BSTDB(1000,15,-3,0) PKD(3,1,0,10%,2132.0,0.00%,F,T)

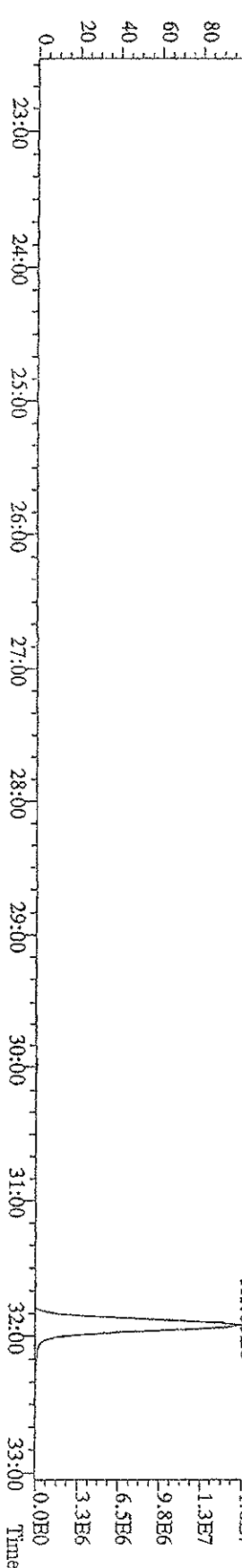
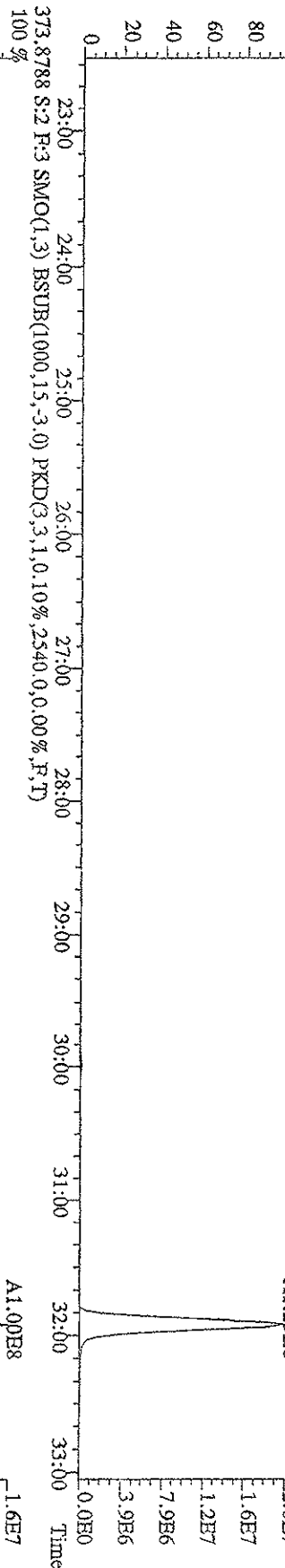
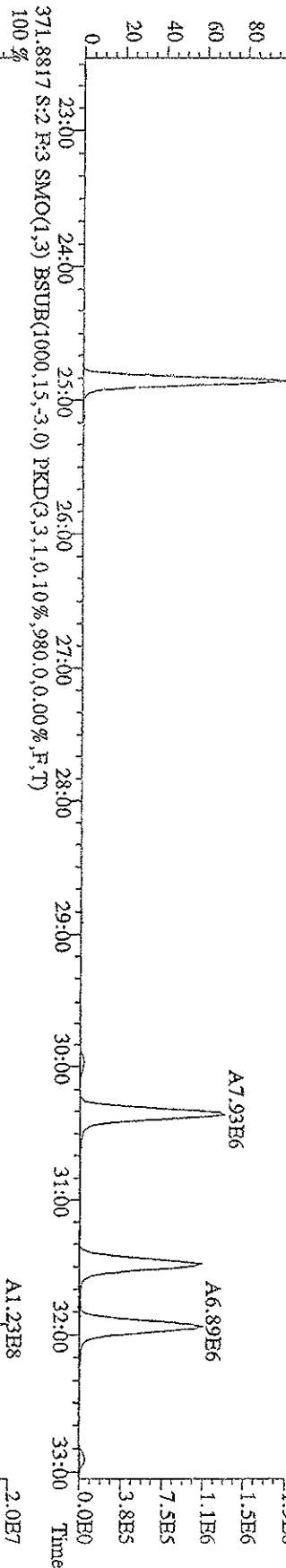
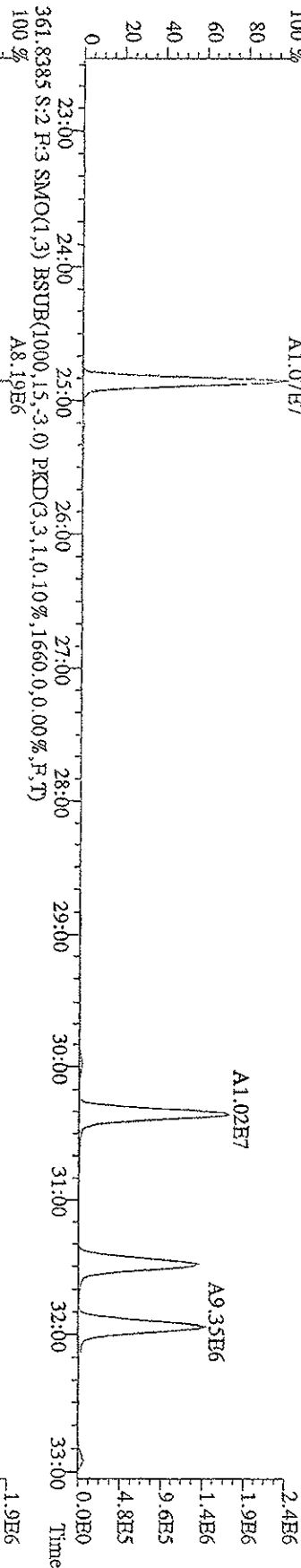


File:151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate

Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5



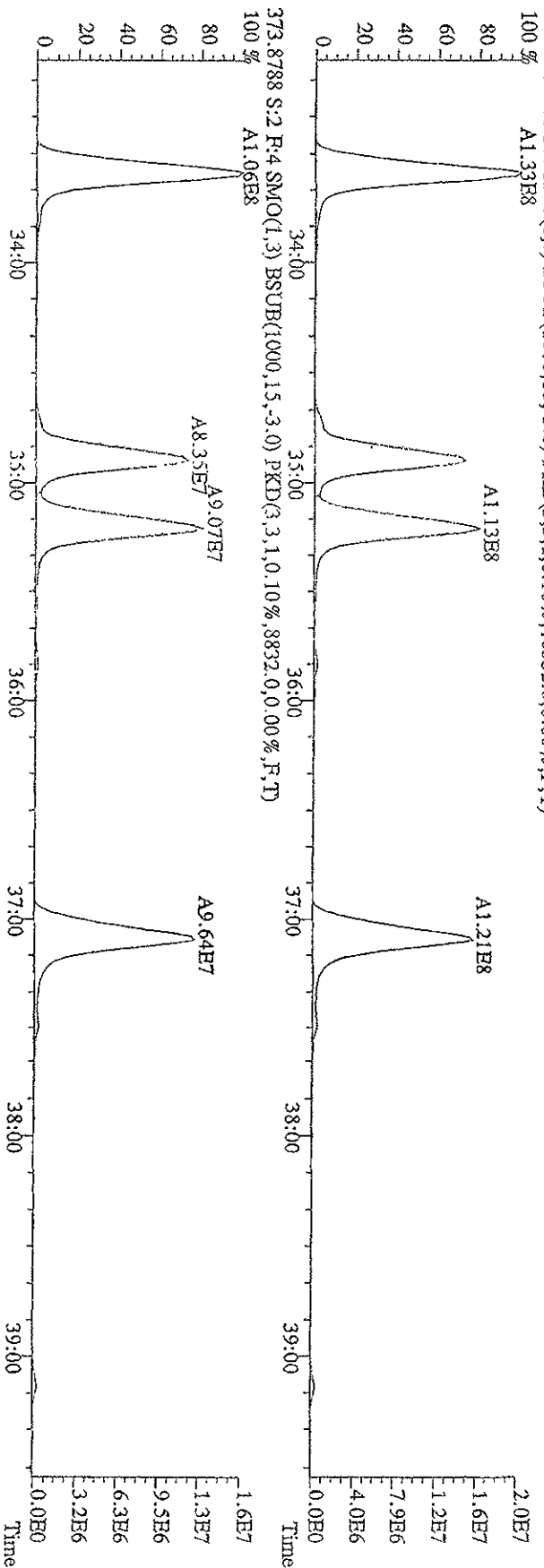
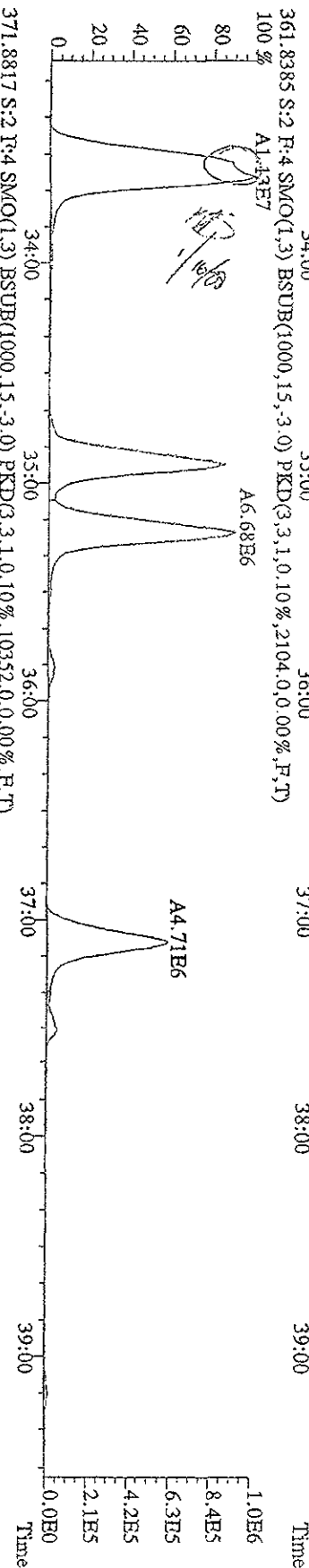
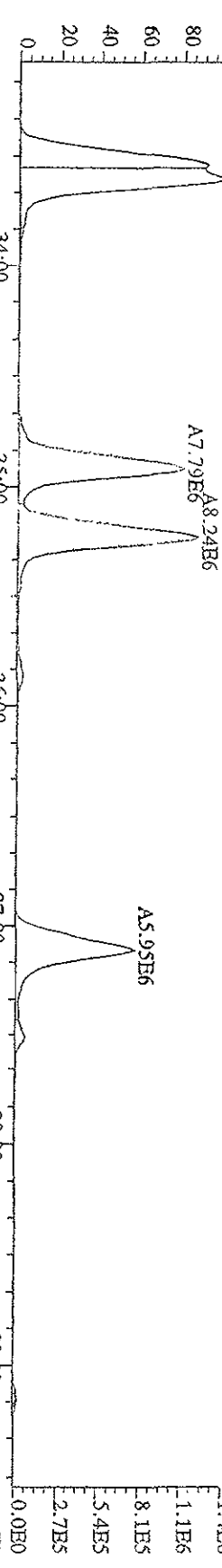
File: 151A09DD9D5 #1-597 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 359,8415 S:2 R:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1556,0,0,00%,F,T)  
 100% A1.07E7



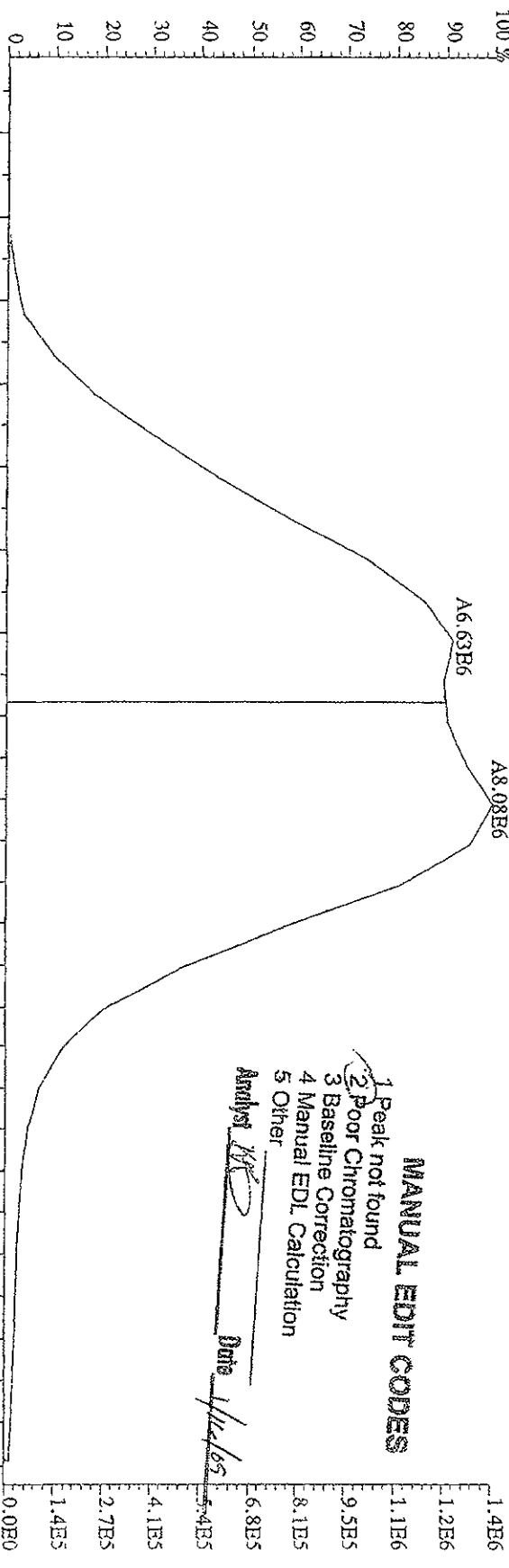


File:151A09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage 51V Autospec-Ultimate

Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5



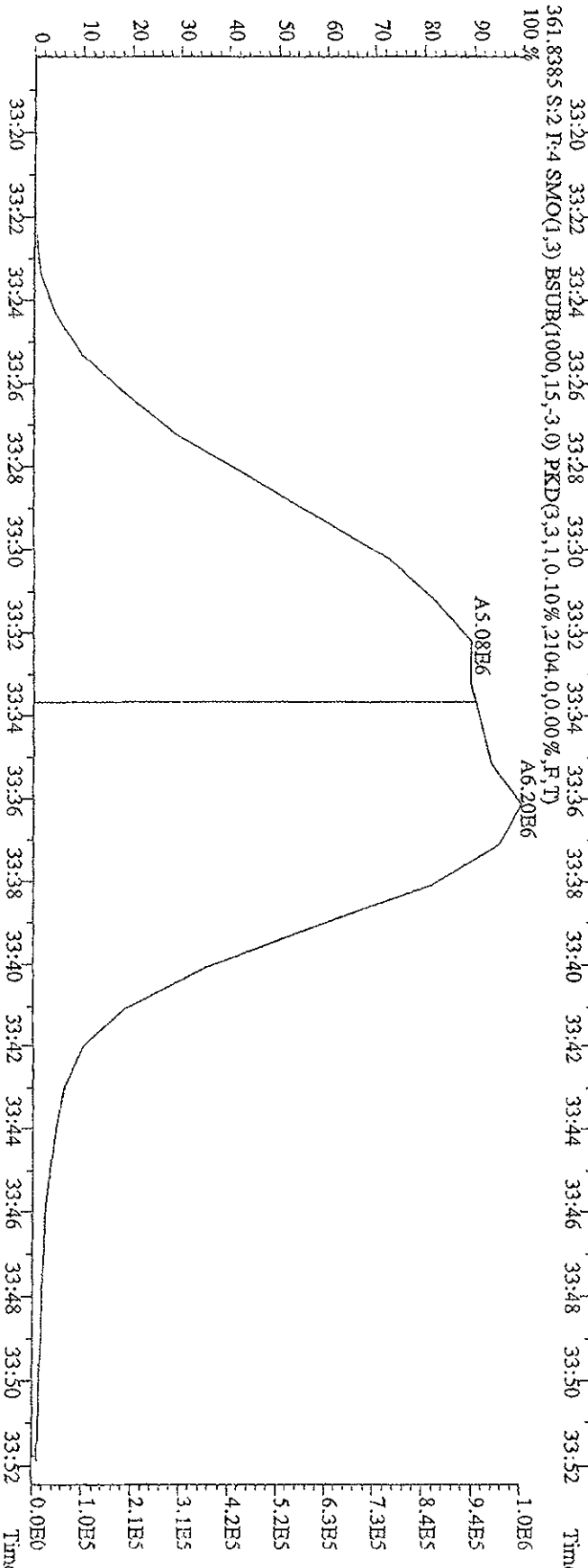
File:1SIA09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC HI + Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2520,0,0,00%,F,T)  
 100%



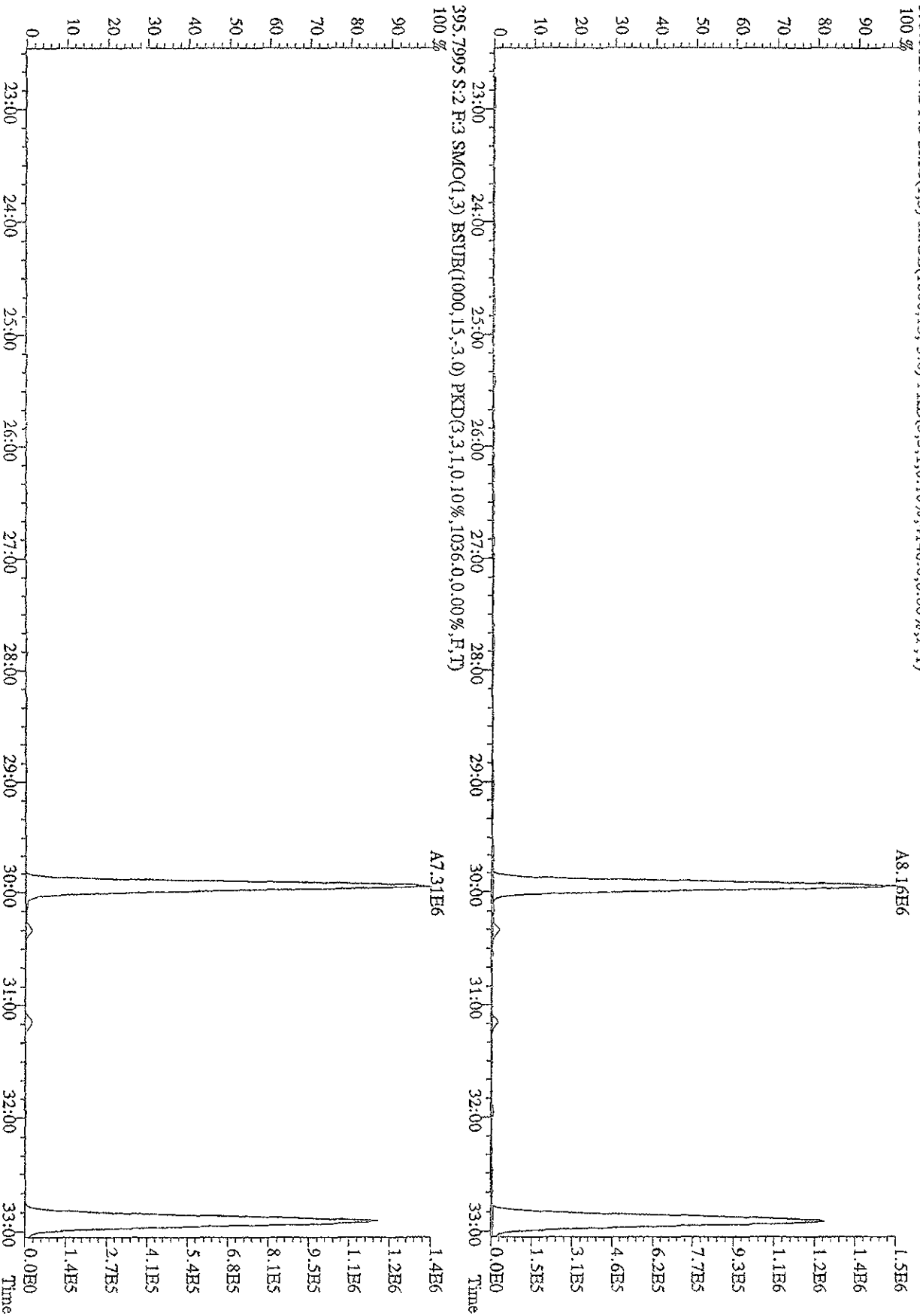
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

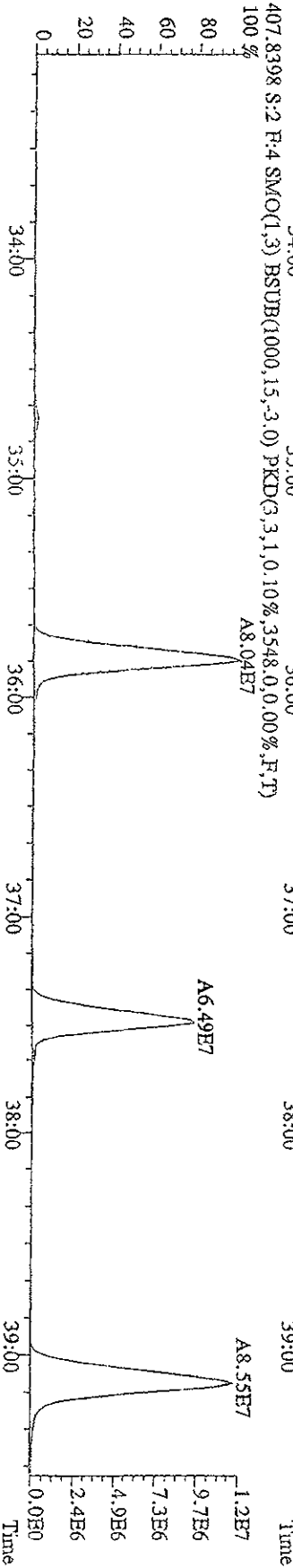
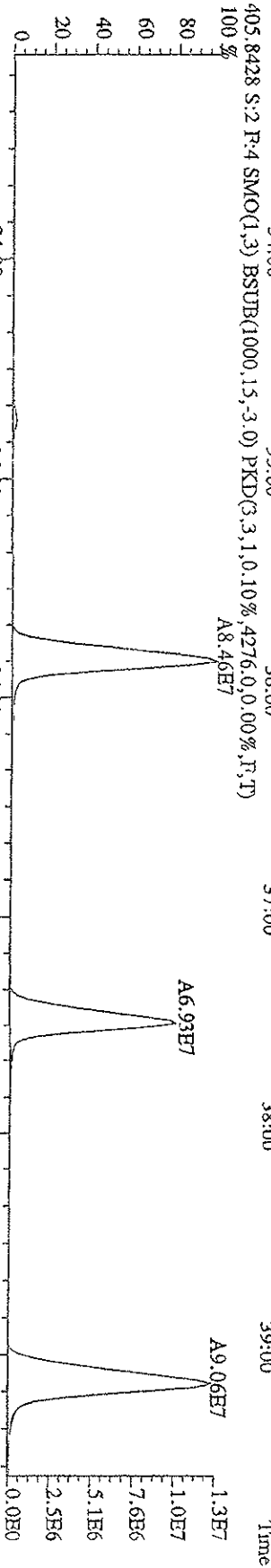
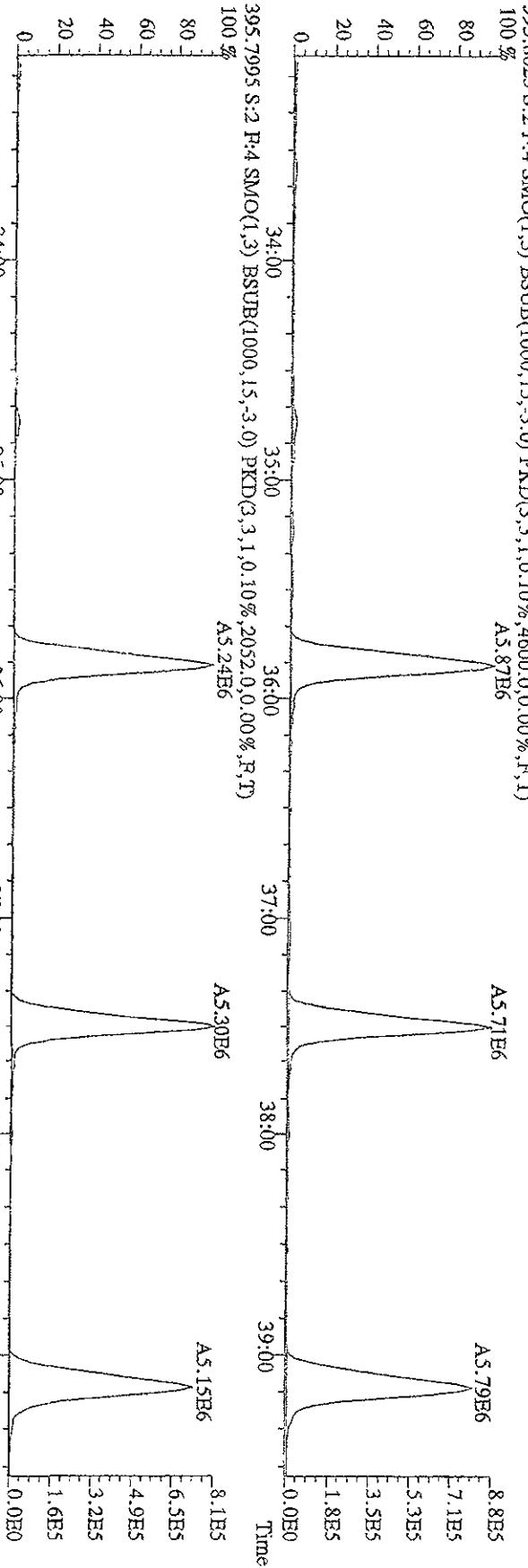
Analyst MC Date 1/12/09



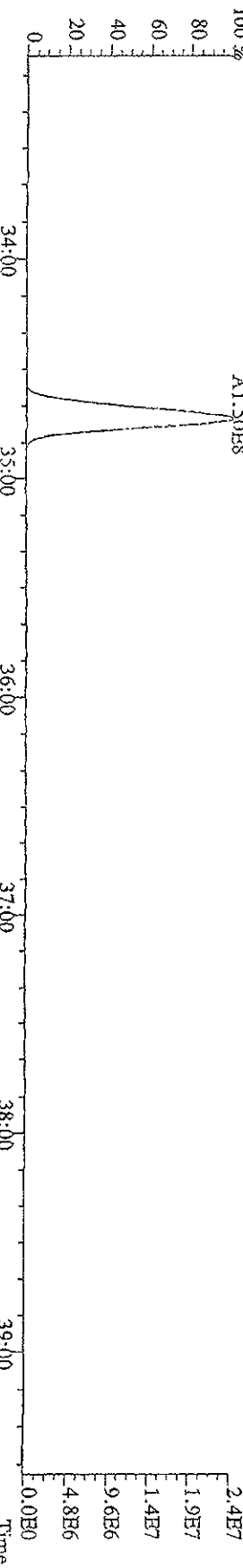
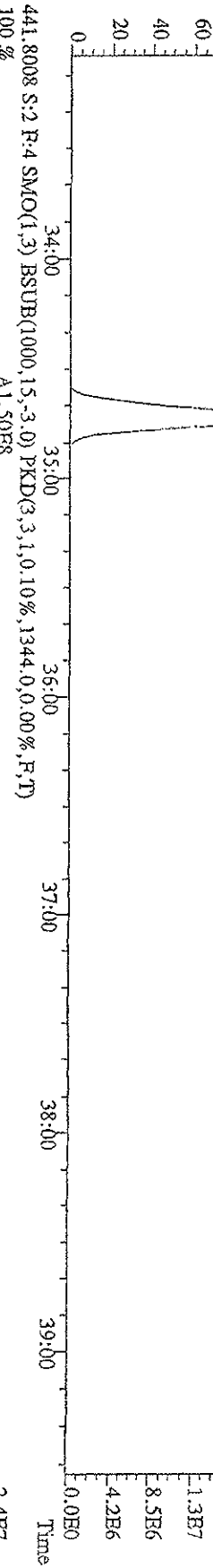
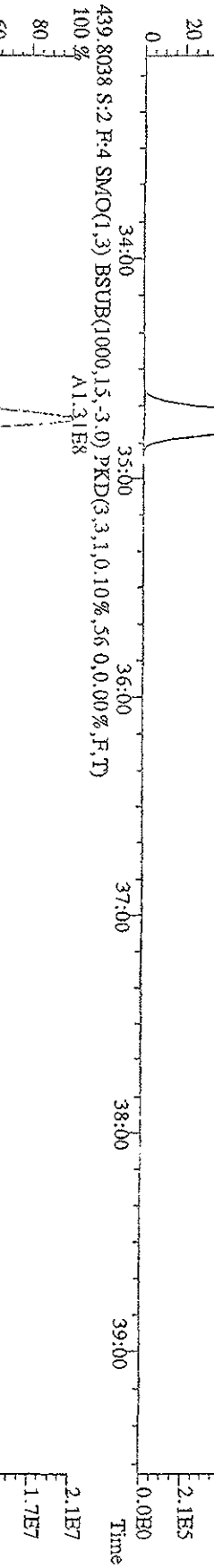
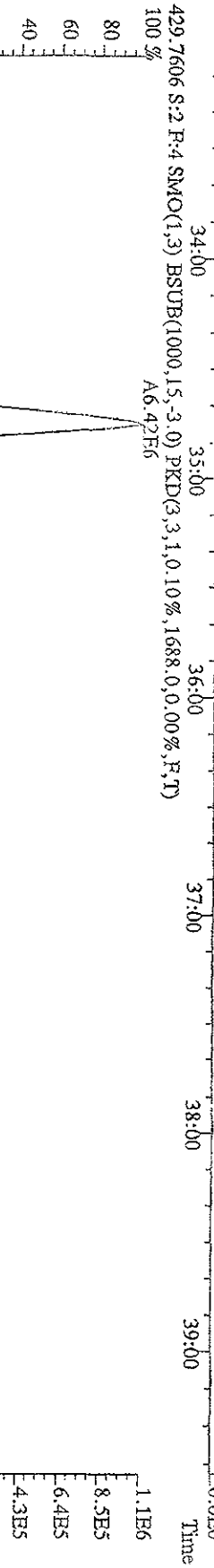
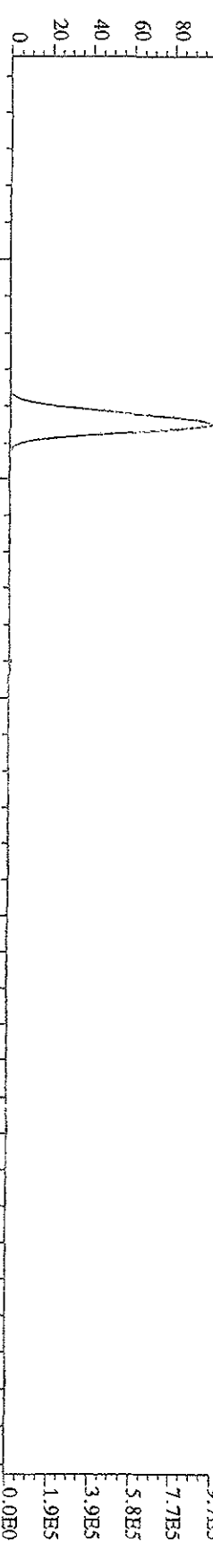
File:15IA09D9D5 #1-597 Acq:15-1AN-2009 21:16:36 GC HI+ Voltage STR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 393.8025 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4140,0,0.00%,F,T)  
 100%



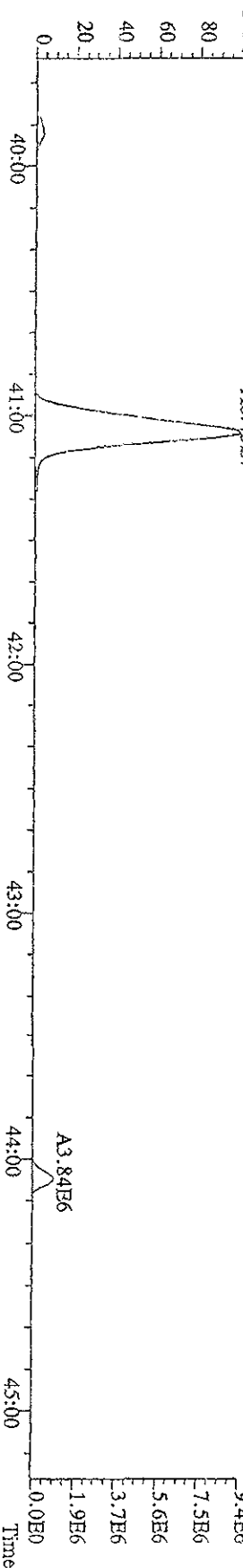
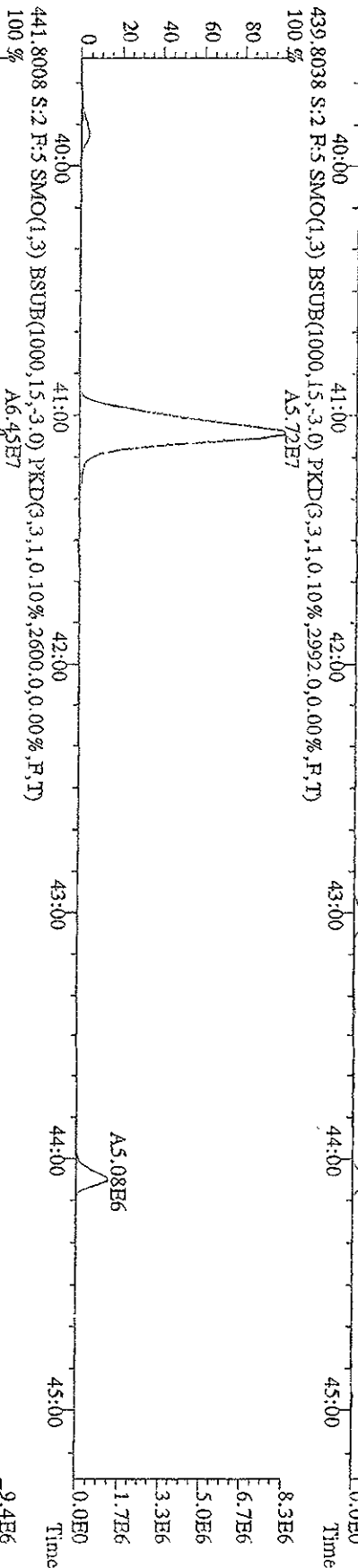
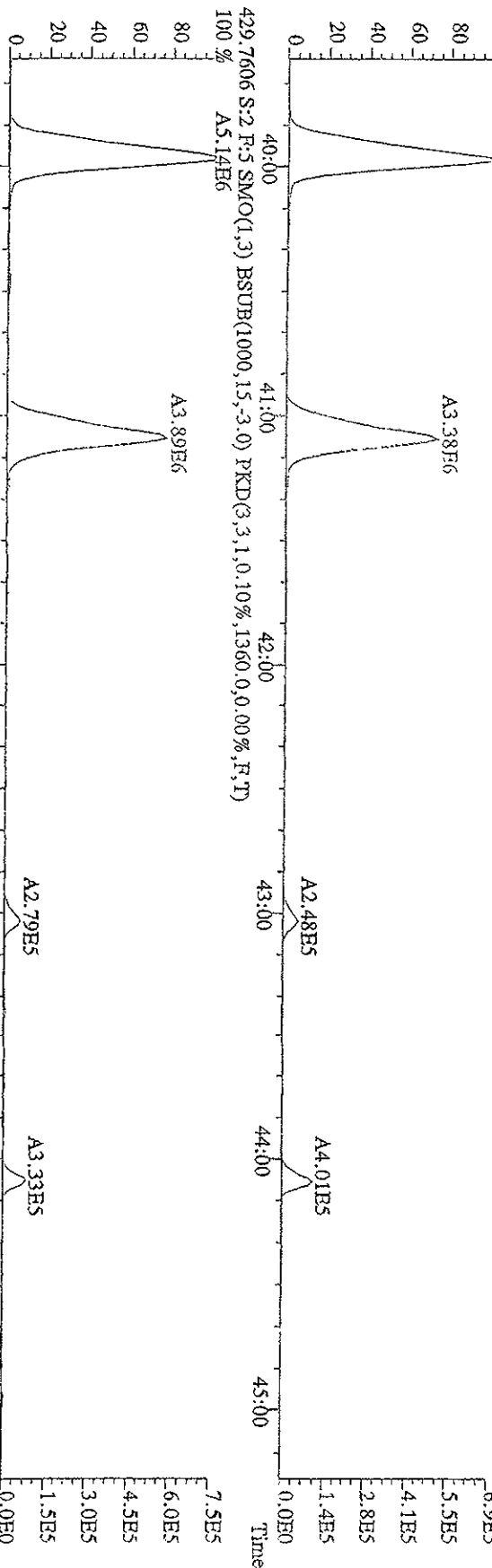
File:15JA09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC E1+ Voltage S1R Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4600,0,0,00%,F,T)



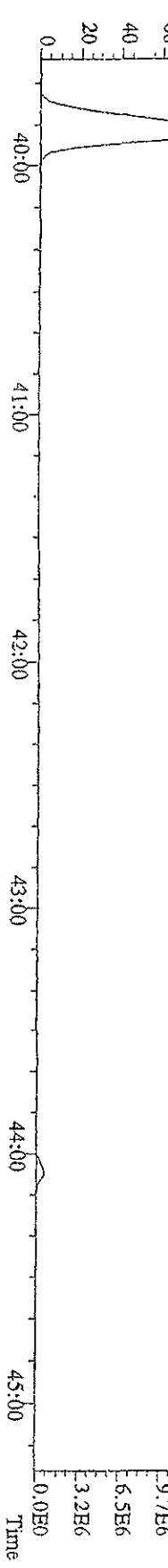
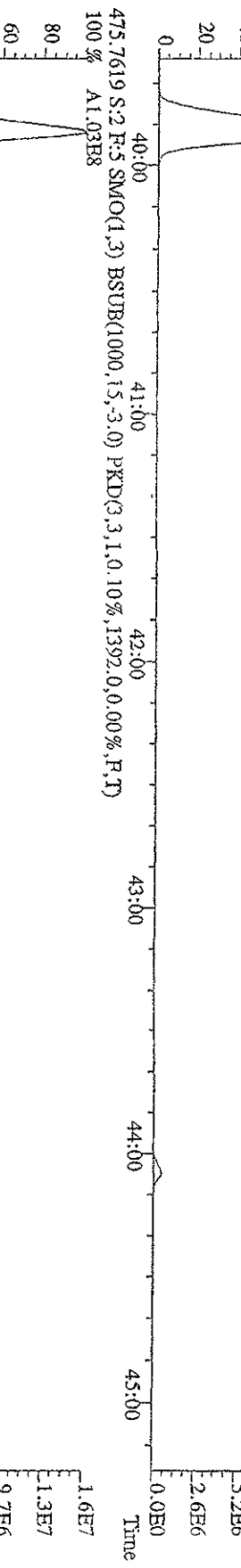
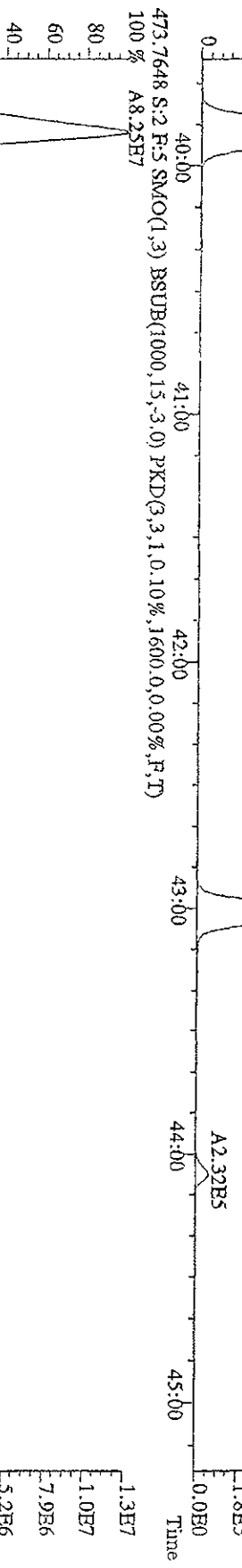
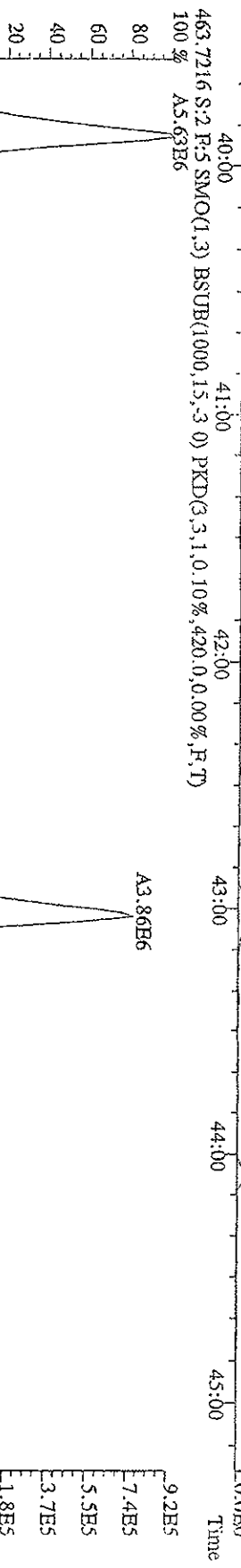
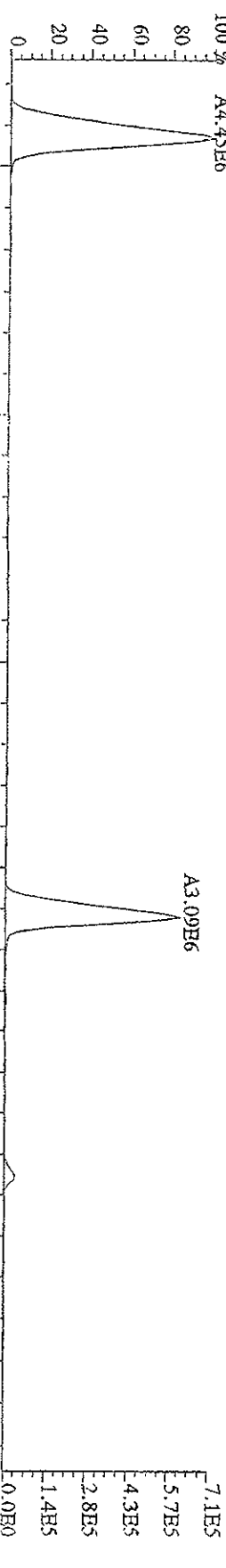
File:151A09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC.EI+ Voltage S1R Autospec-UltimaB  
 Sample#2 Text:ST0115A :CS2 09DXIN015 Exp:209DB5  
 427.7635 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1688,0,0,00%,F,T)  
 100% A5.83E6



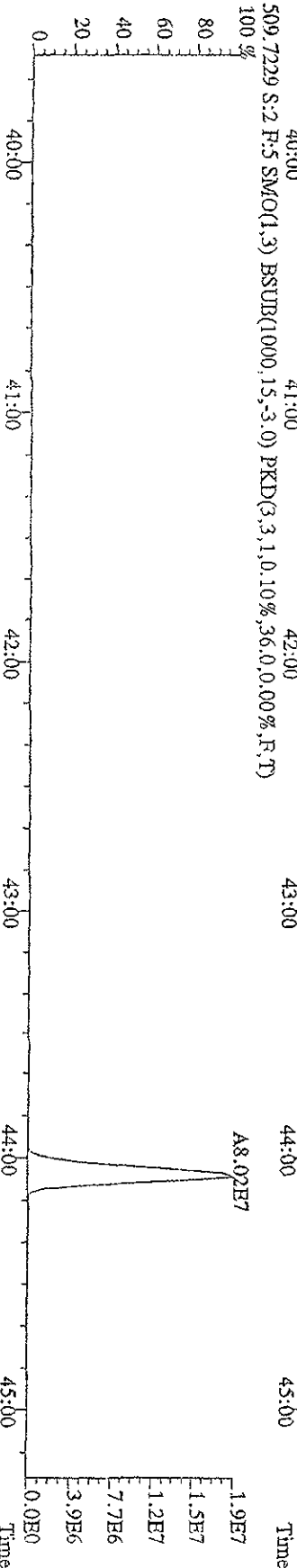
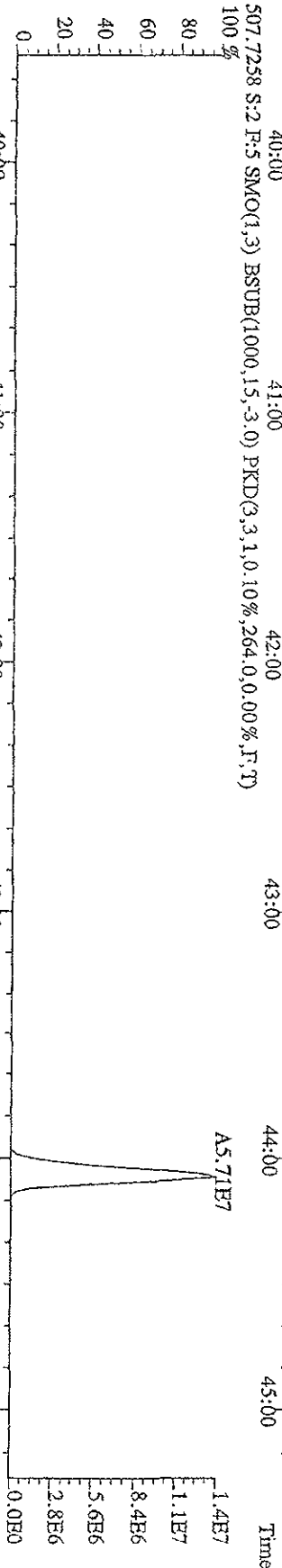
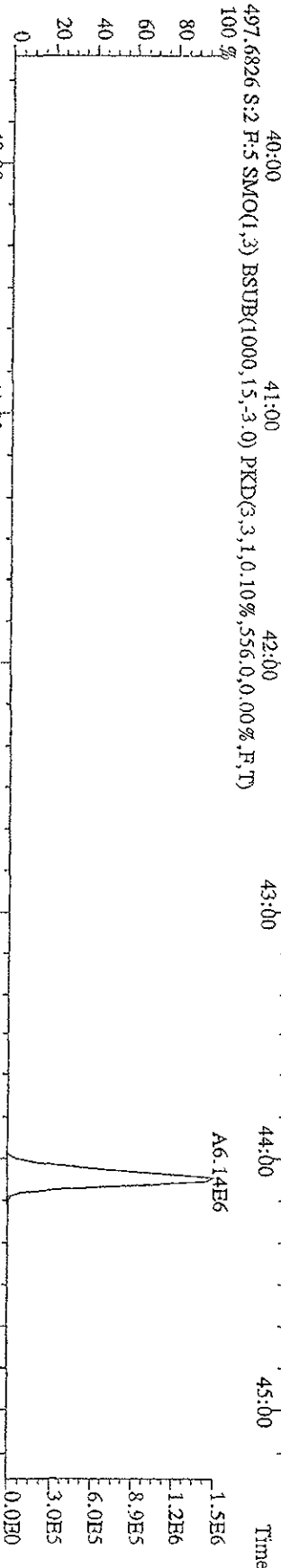
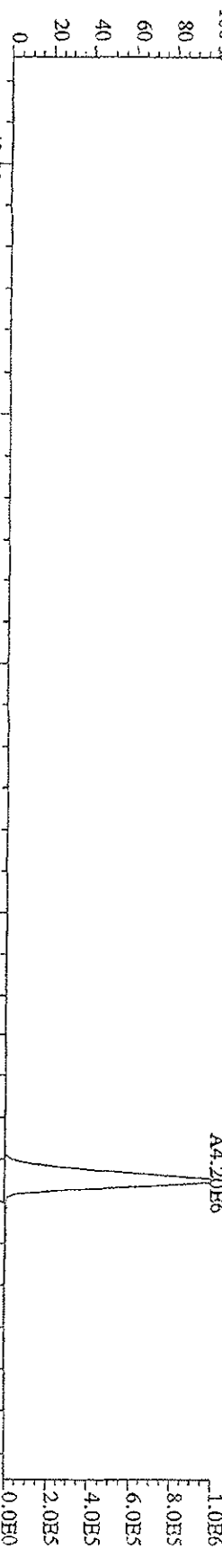
File: J5fA09D9D5 #1-379 Acq: 15-JAN-2009 21:16:36 GC HI + Voltage SIR Autospec-Ultimate  
 Sample #2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 427.763 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,592,0,0,00%,F,T)  
 100 % A4.58E6



File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EL+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0115A :CS2.09DXN015 Exp:209DB5  
 461.7245 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,460,0,0,00%,F,T)  
 100 % A4.45E6

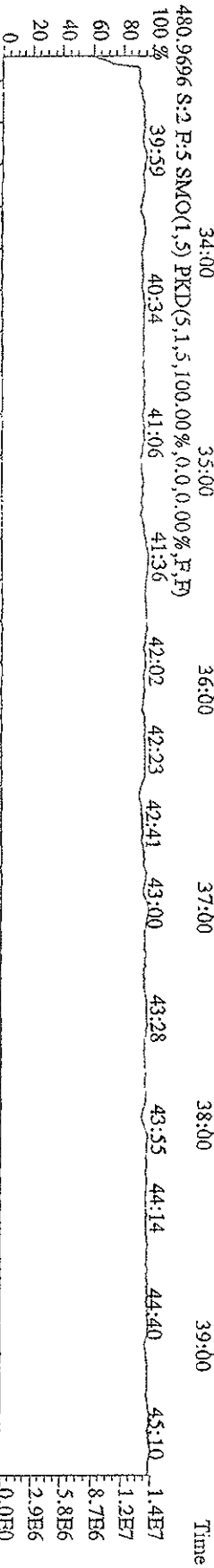
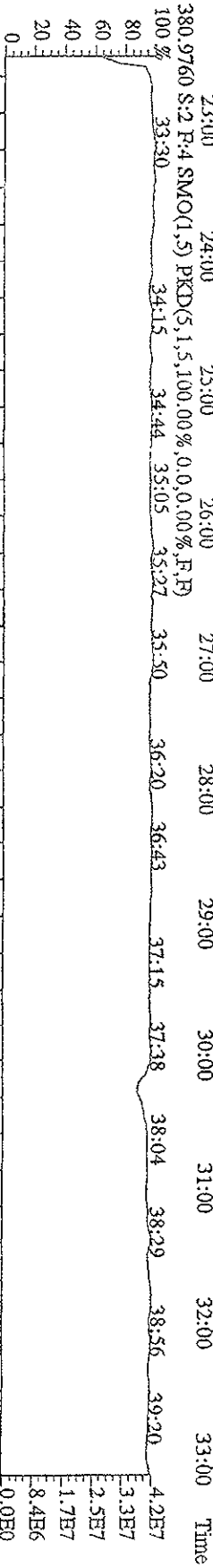
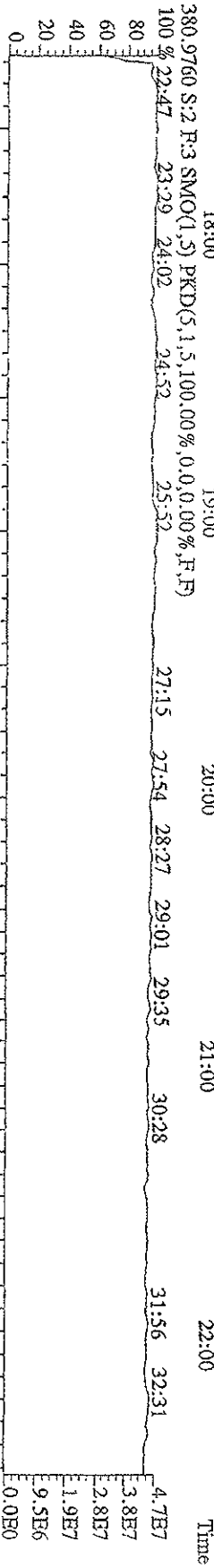
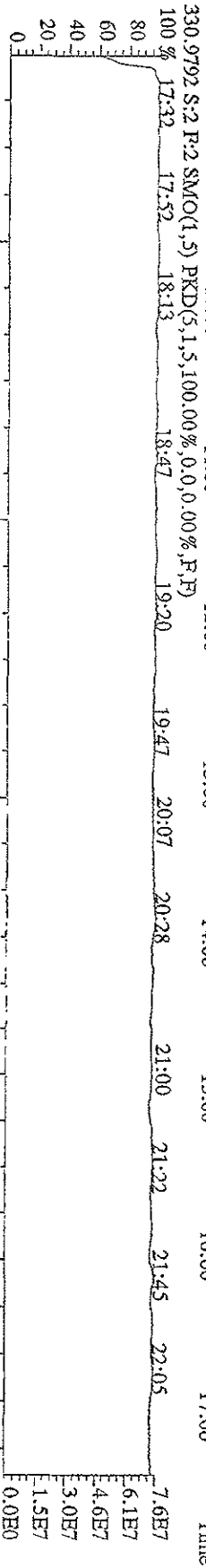
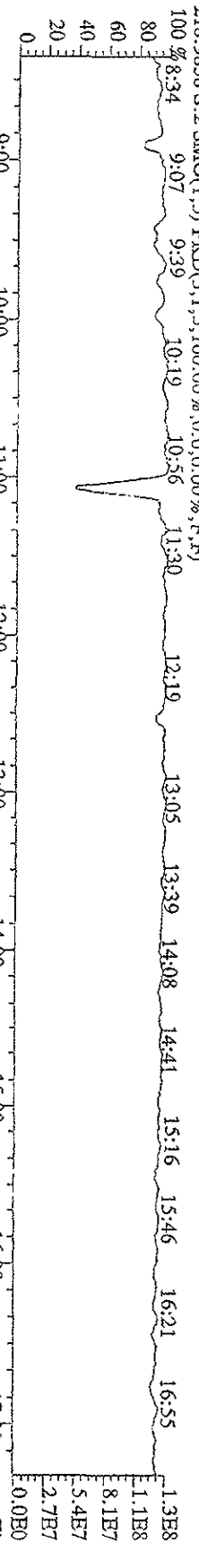


File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 495.6826 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,876,0,0,00%,F,T)

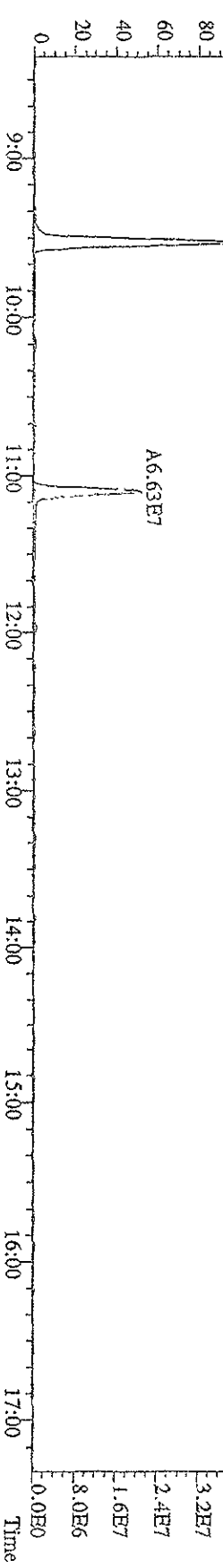
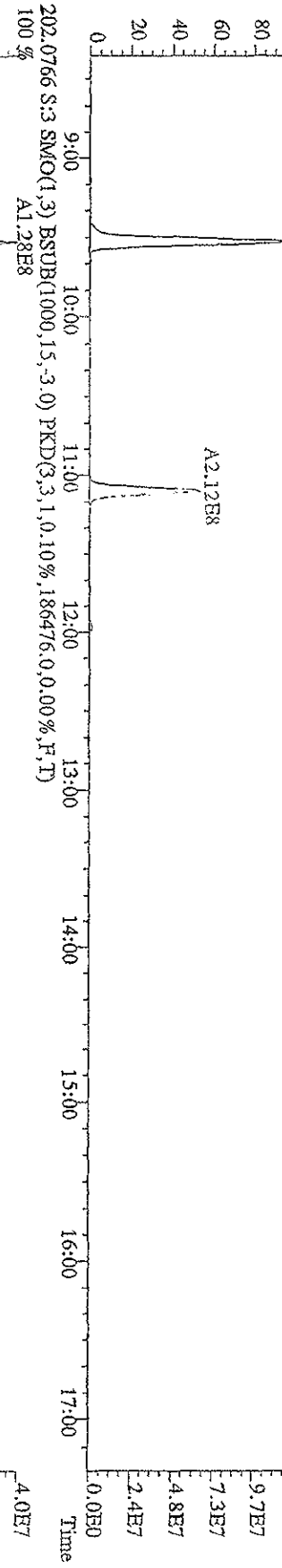
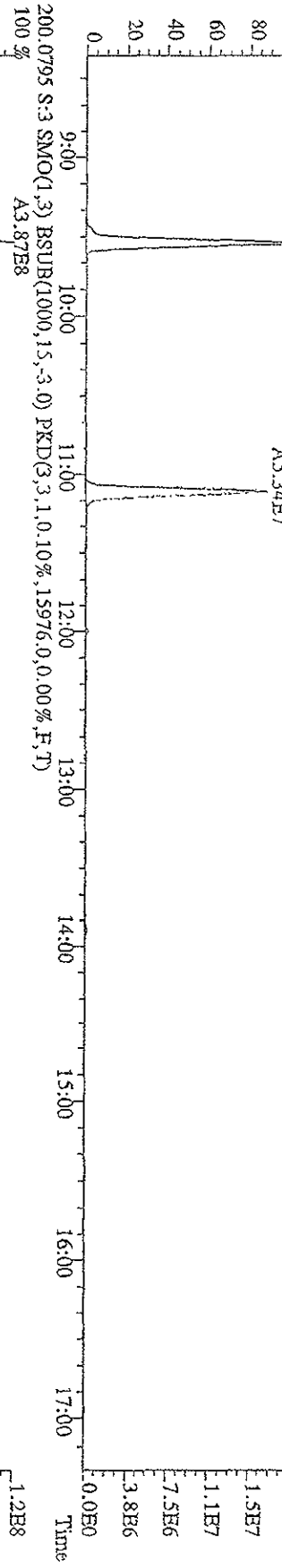
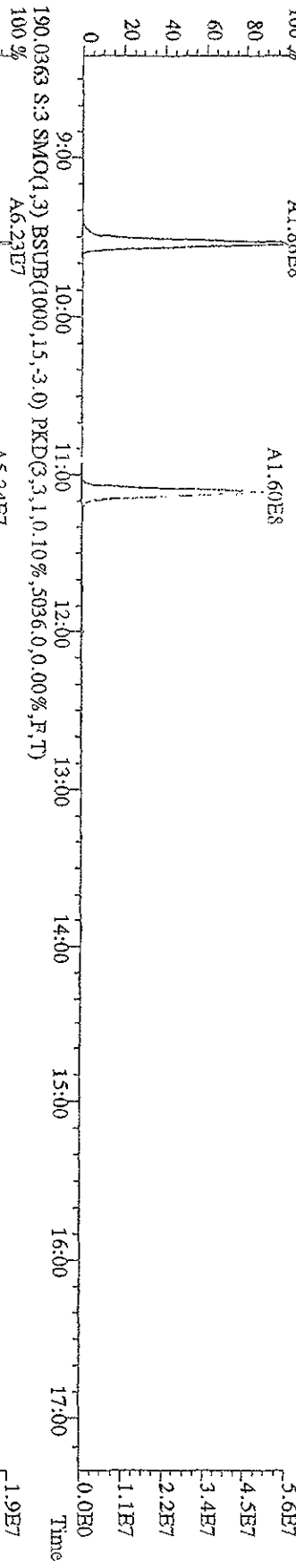




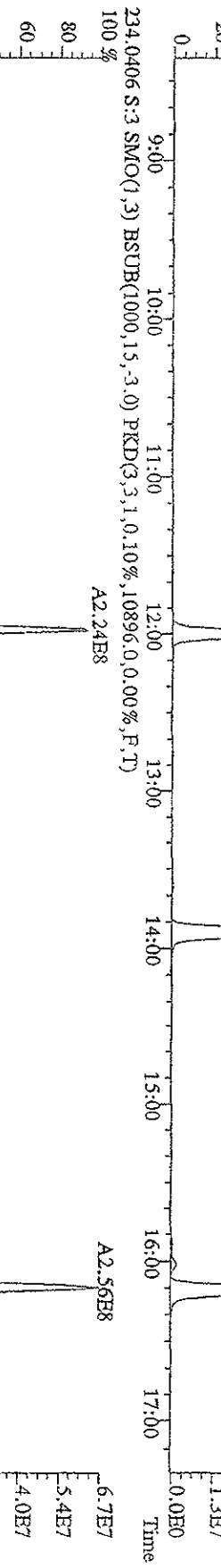
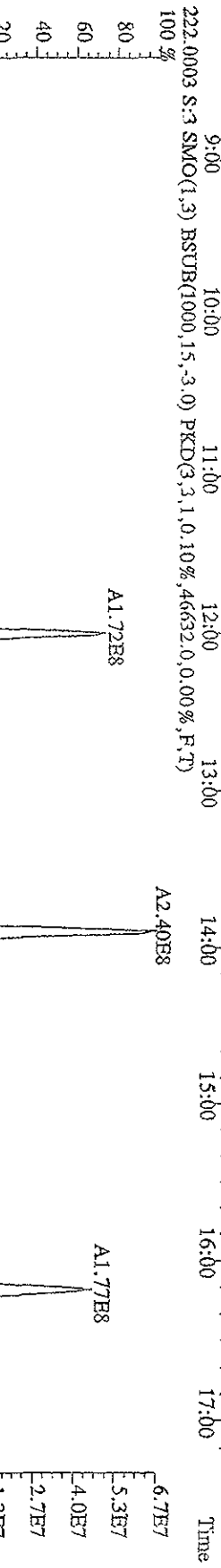
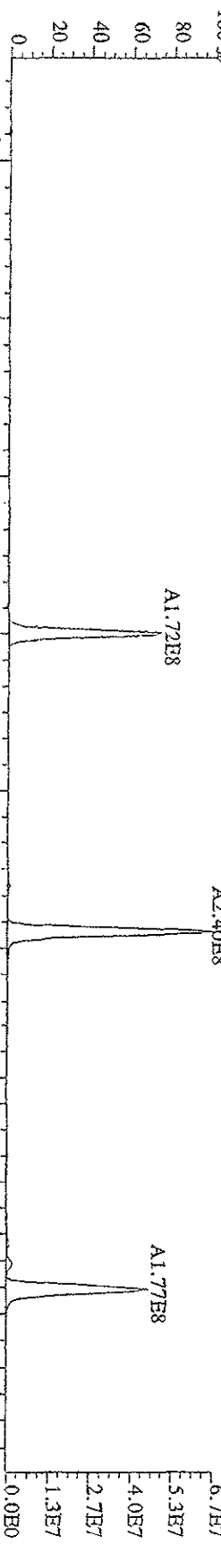
File: 15JA09D9D5 #1-609 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 218.9856 S:2 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 8:34 9:07 9:39 10:19 10:56 11:30 12:19 13:05 13:39 14:08 14:41 15:16 15:46 16:21 16:55



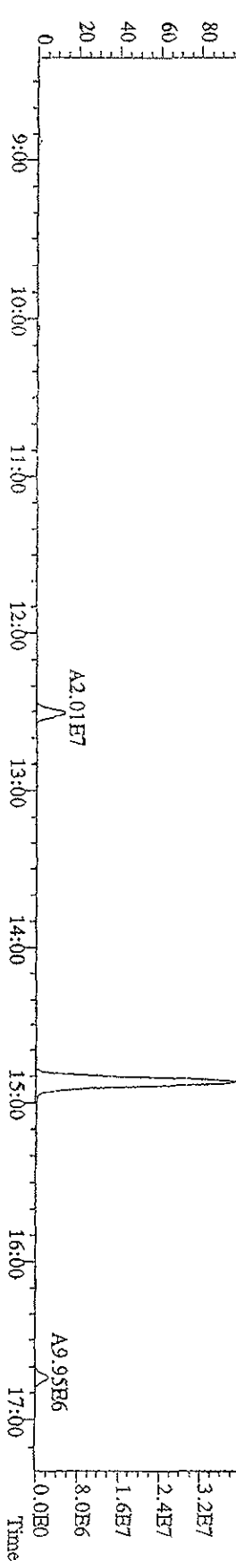
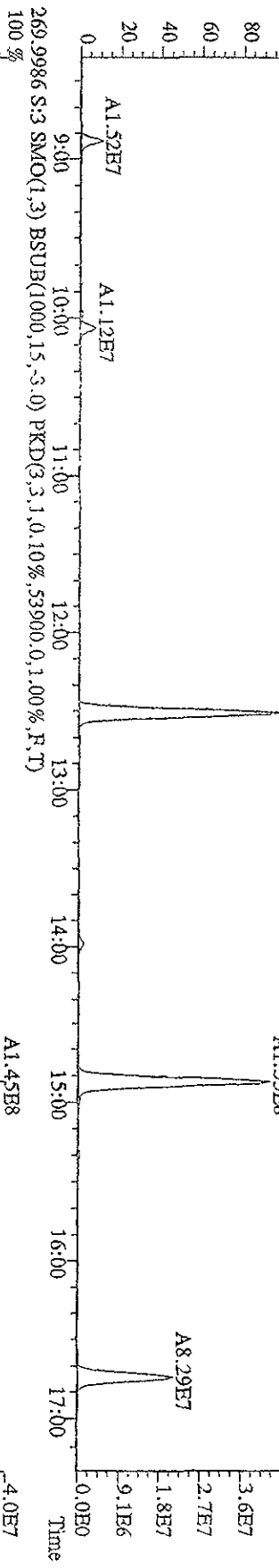
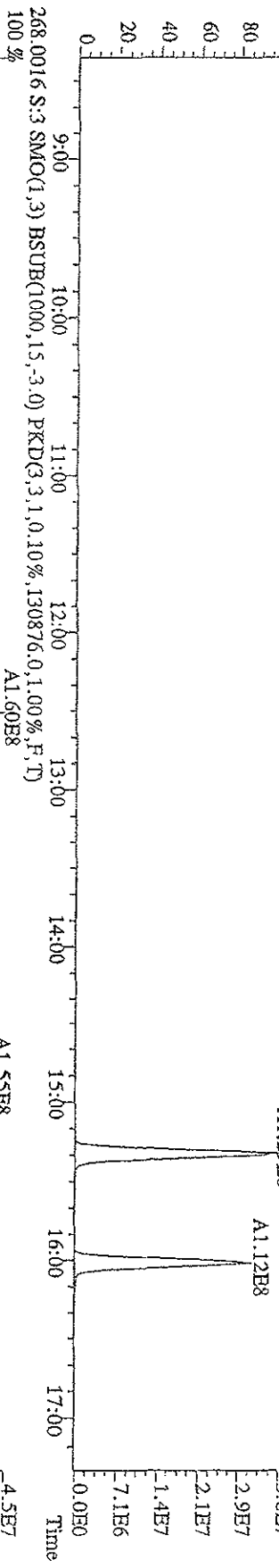
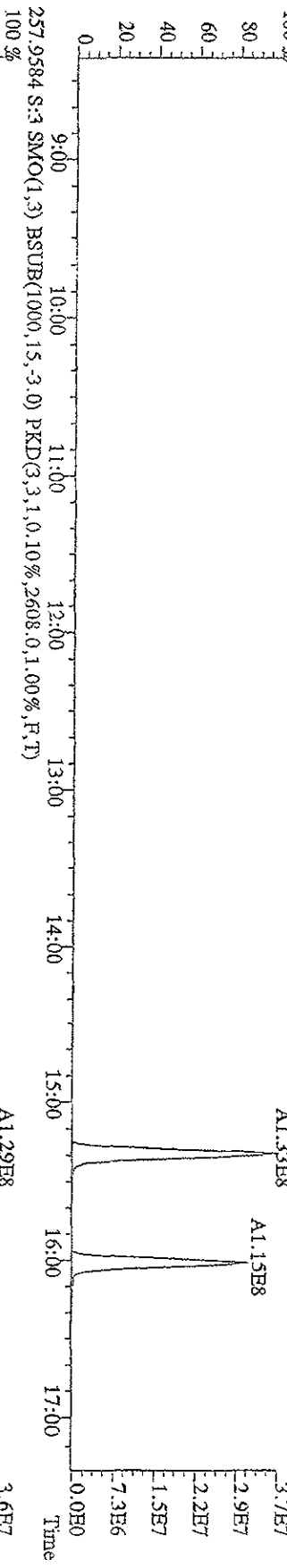
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 188.0393 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7580.0,0.00%,F,T)  
 100%



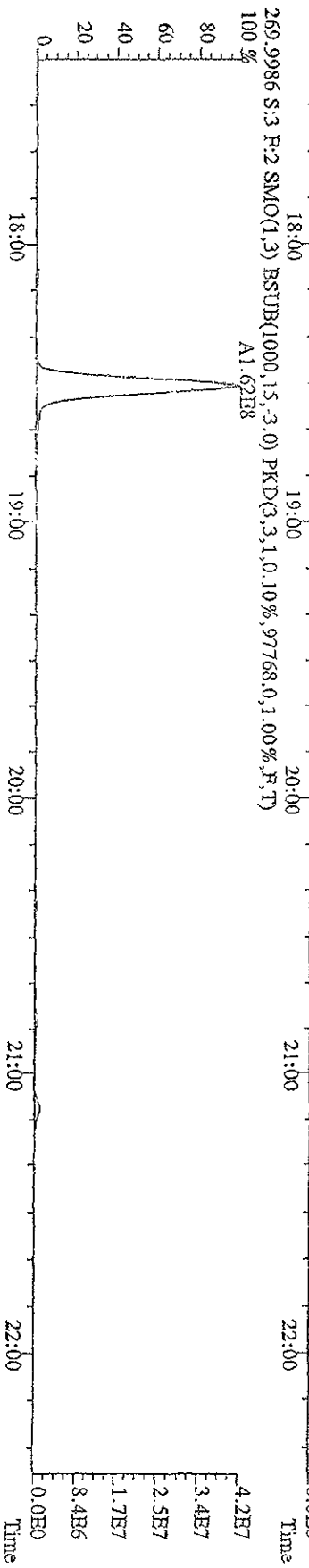
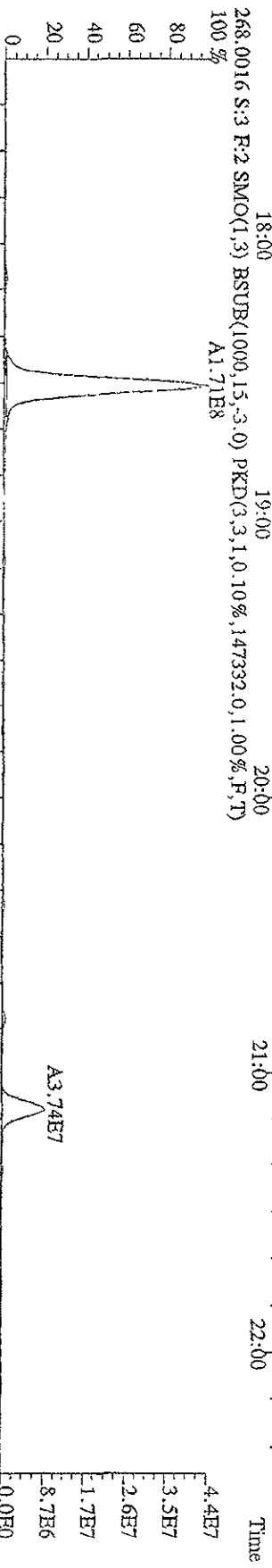
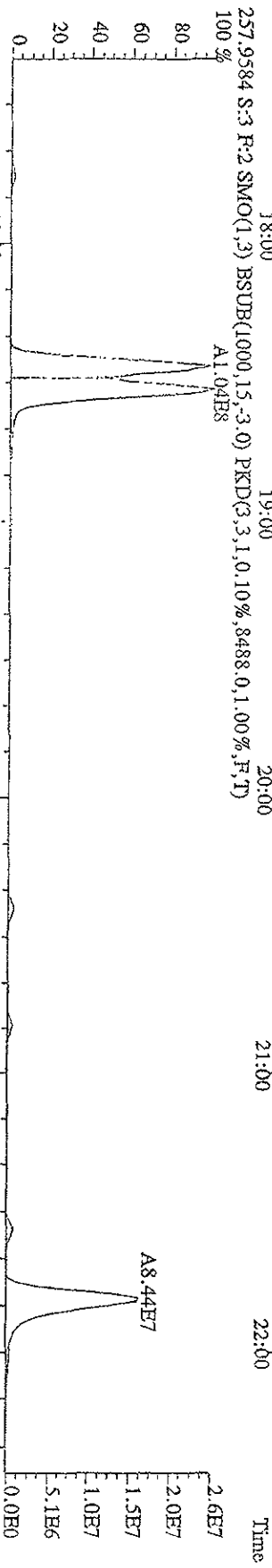
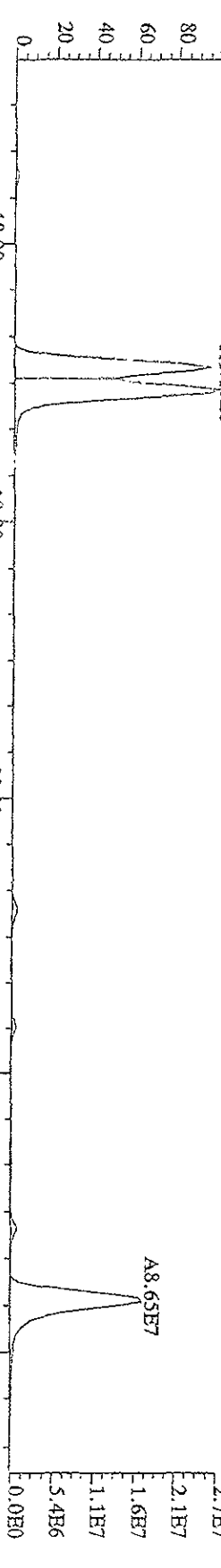
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EL+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 222.0003 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,46632,0,0,00%,F,T)



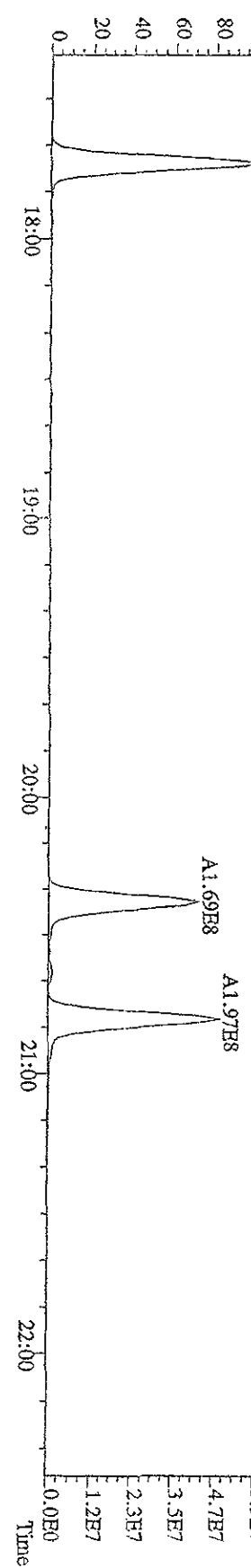
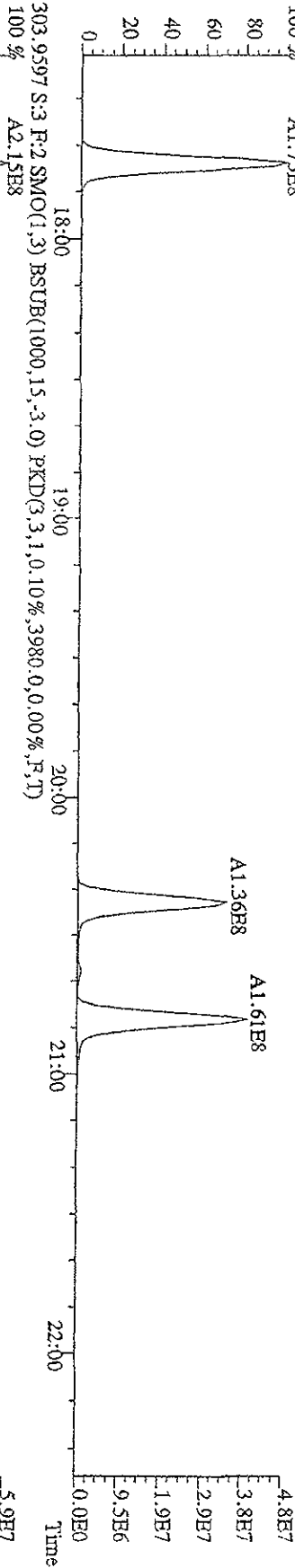
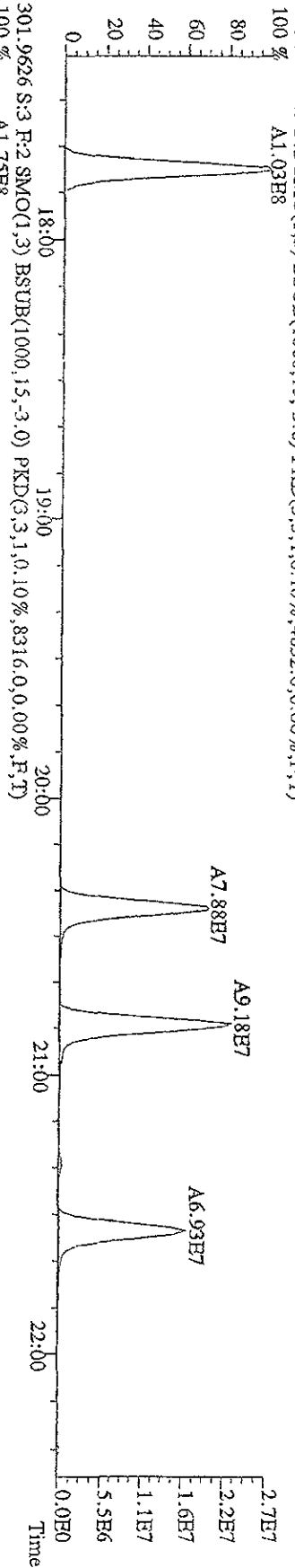
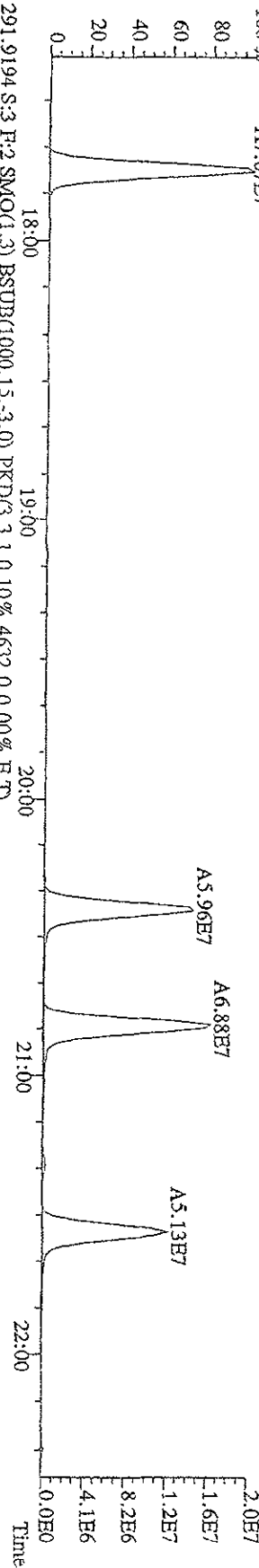
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 255.9613 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,5848,0,1,00%,F,T)



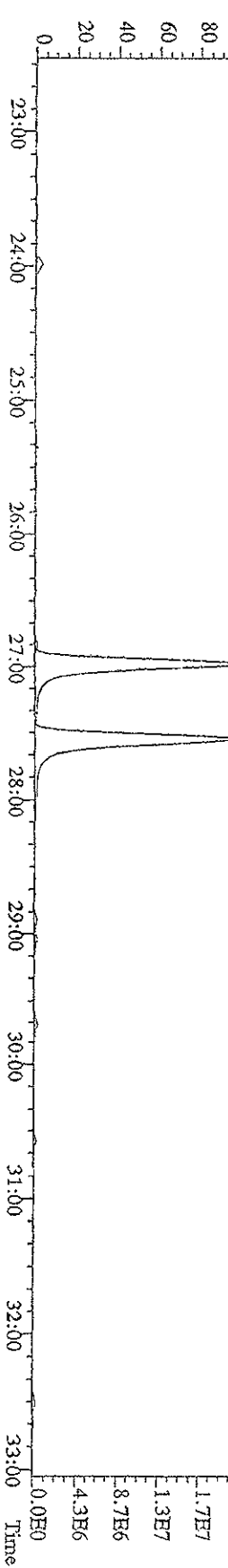
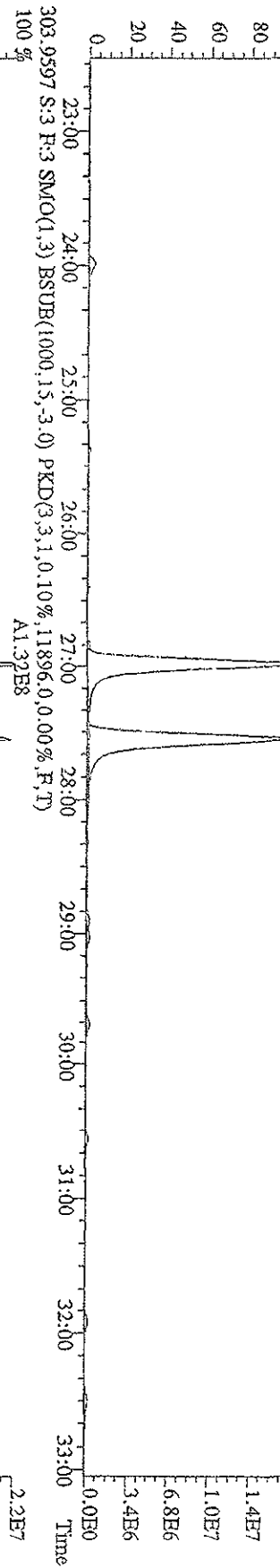
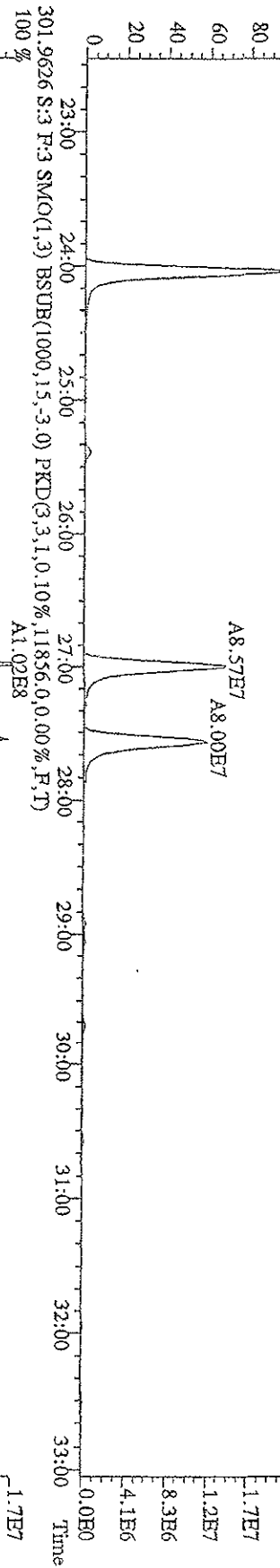
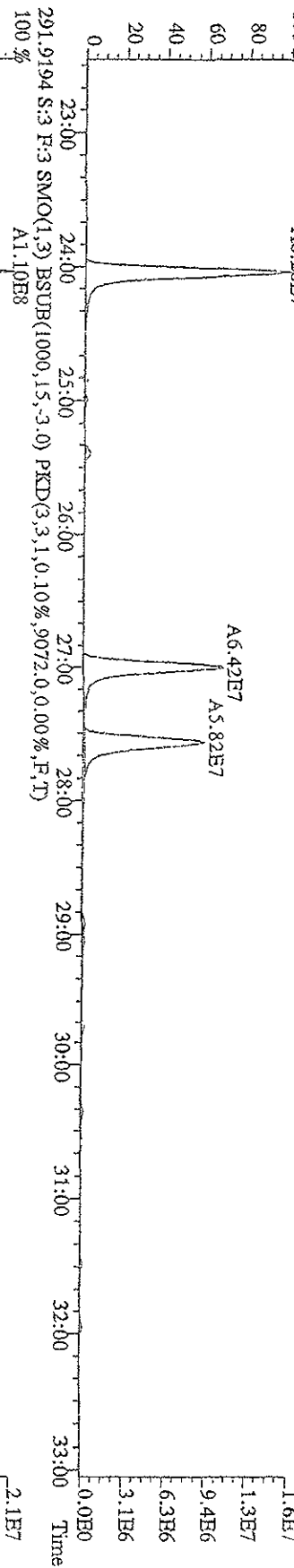
File: 151A09DD9D5 #1-371 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage: SIR Autospec-UtimaB  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 255.9613 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10996,0,1,00%,F,T)



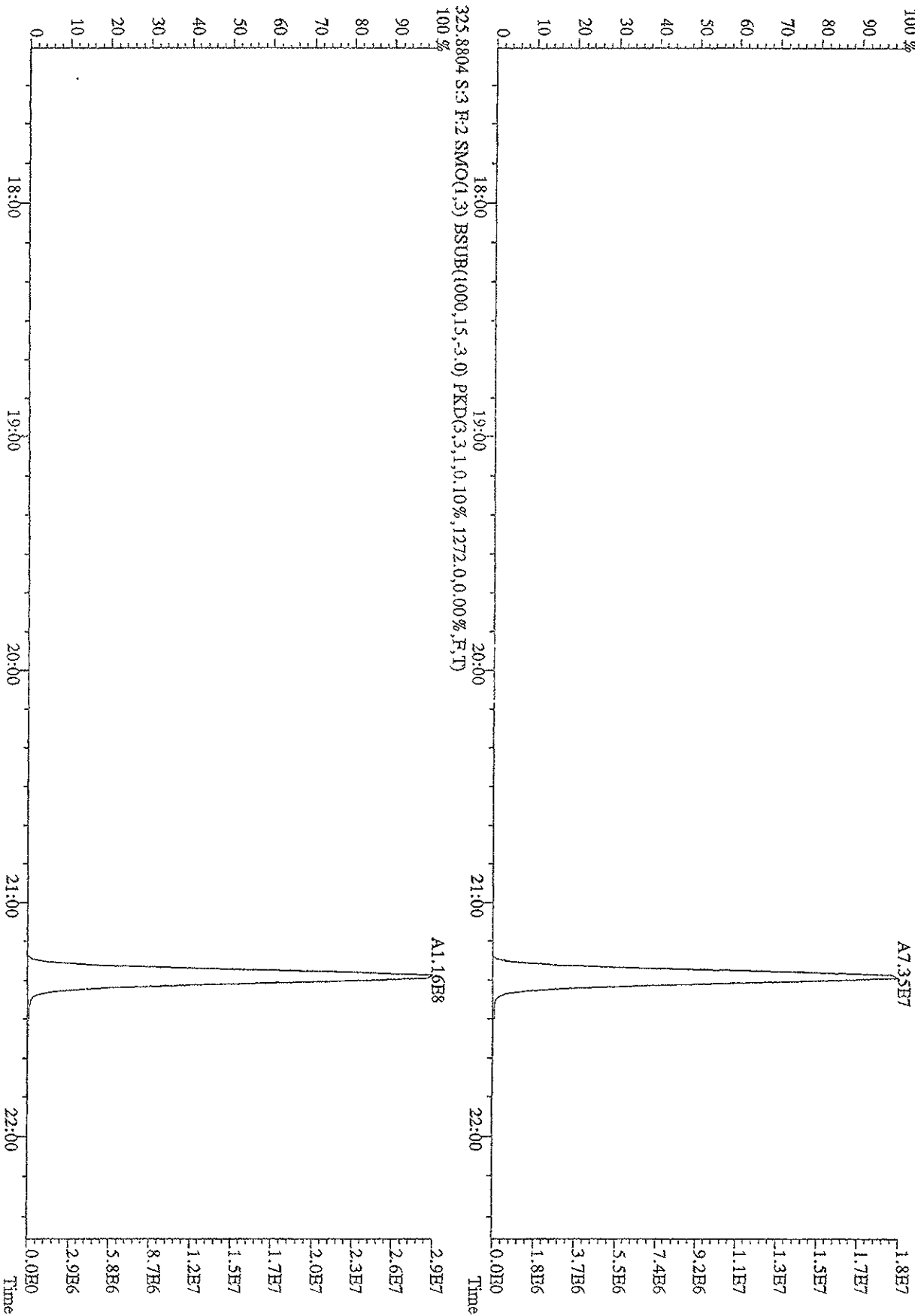
File:151A09DD9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage:51R Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 289.9224 S:3 F:2 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,1,0,10%,1500,0,0,00%,F,T)  
 100% A7.67E7



File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage STR Atmospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,7528.0,0.00%,F,T)  
 100% A8.28E7

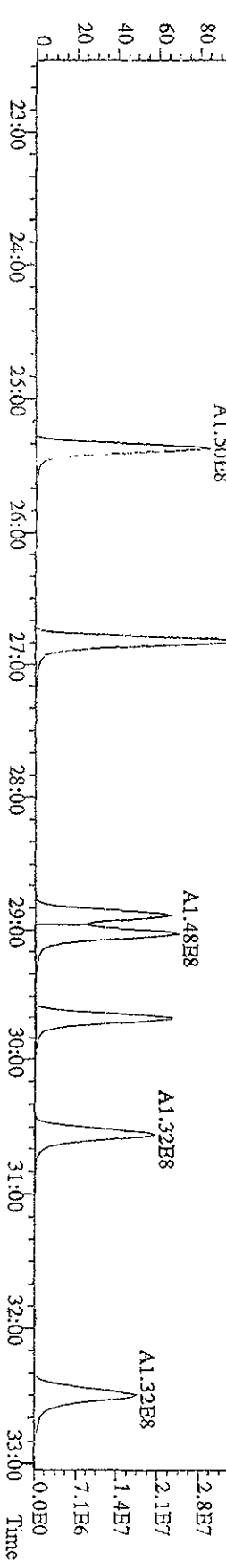
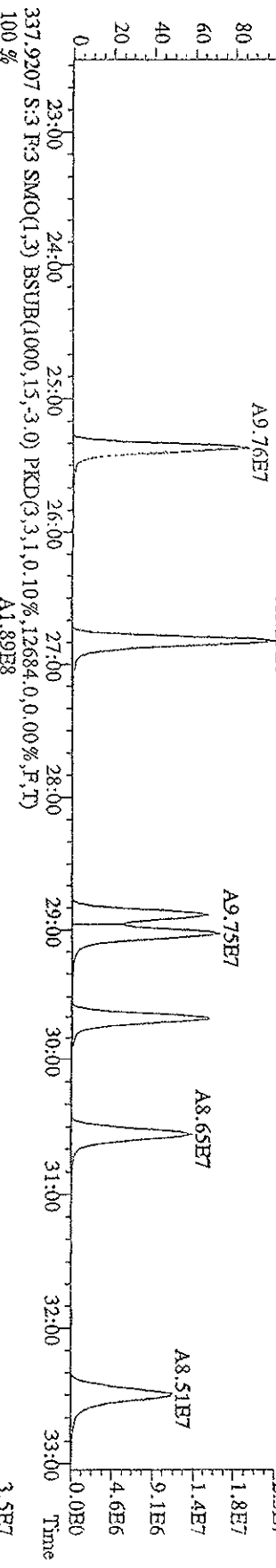
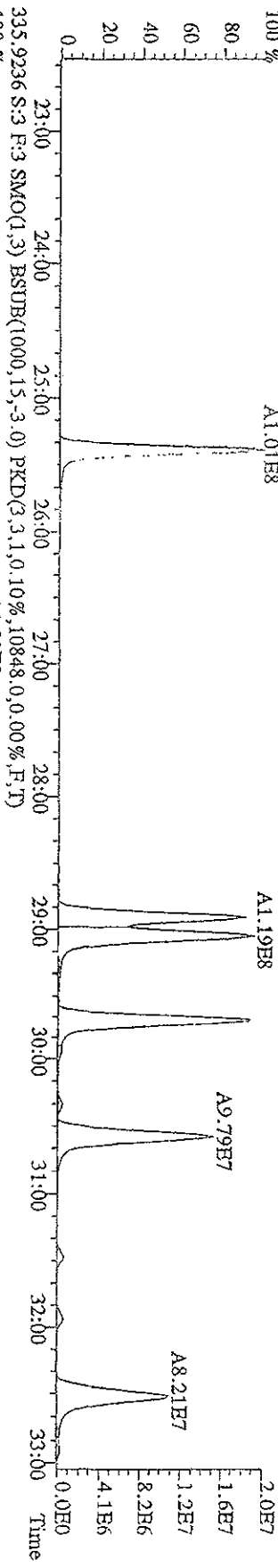
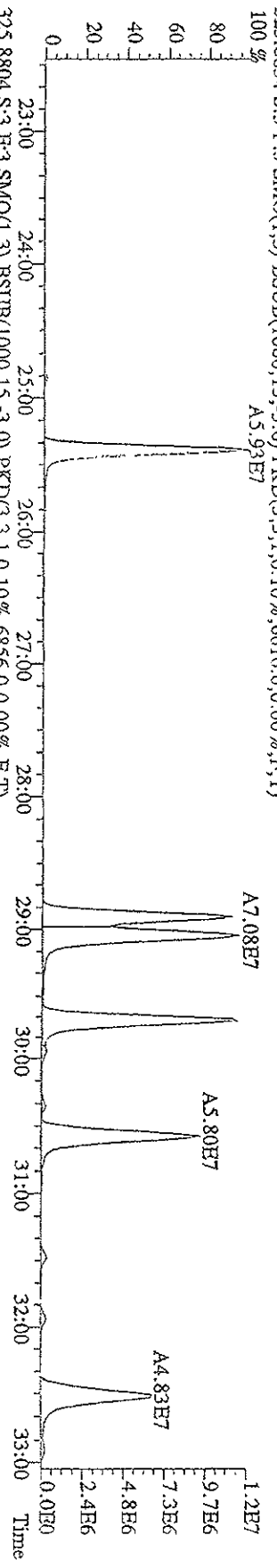


File: 151A09D9D5 #1-371 Acq: 15-1AN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#3 Text: ST0115B :CS3 09DXNO16 Exp: 209DB5  
323.8834 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1272,0,0,00%,F,T)  
100%

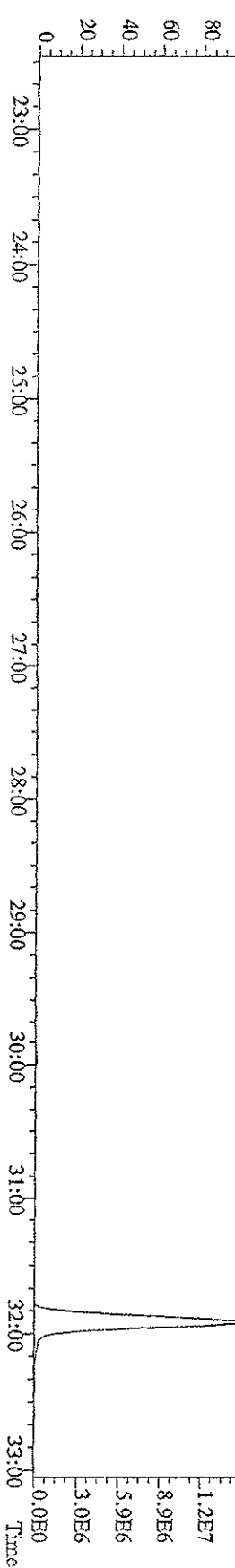
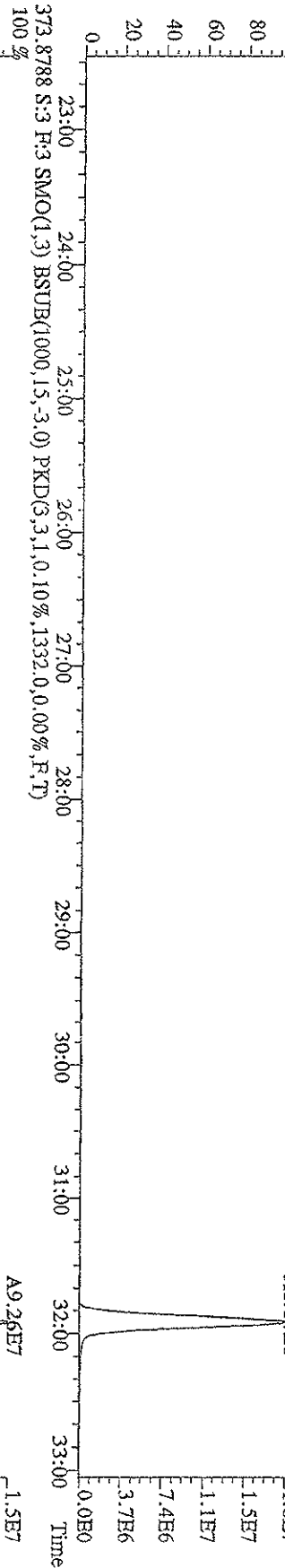
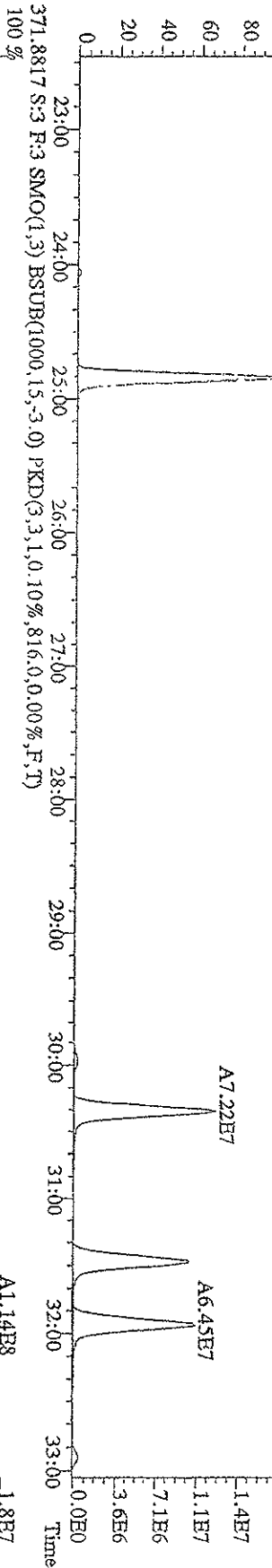
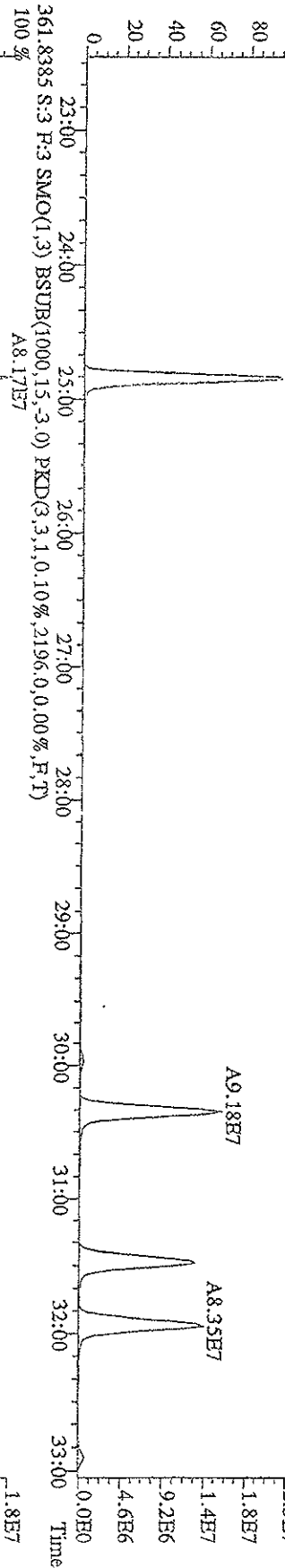




Title: 151A09DD9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage: SIR Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5



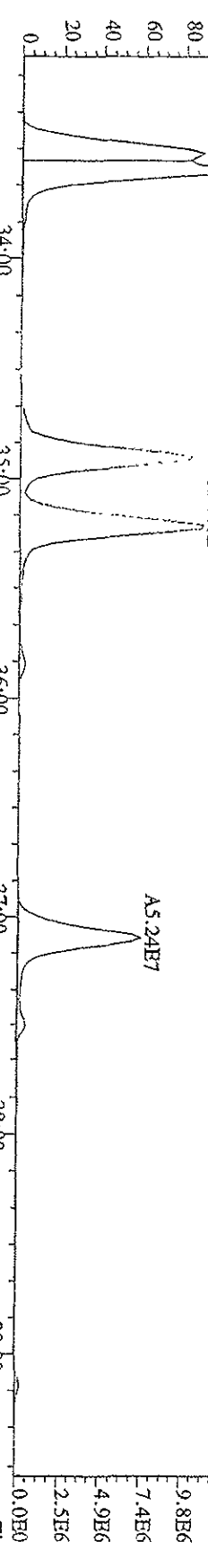
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage: SFR Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 359.8415 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1732,0,0,00%,F,T)  
 100% A1.05E8



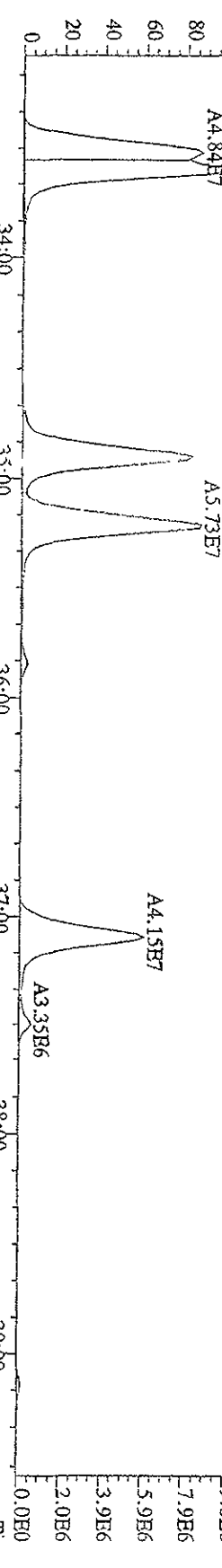
File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage STR Autospec-UltimaE

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

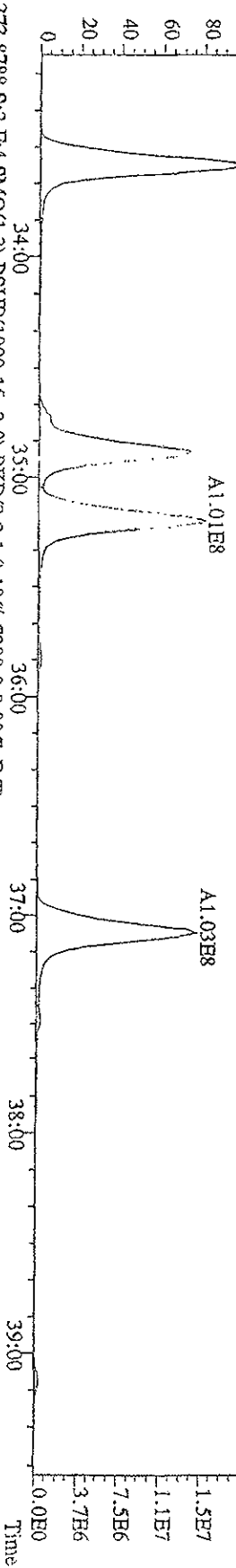
359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,11592,0,0,00%,F,T)



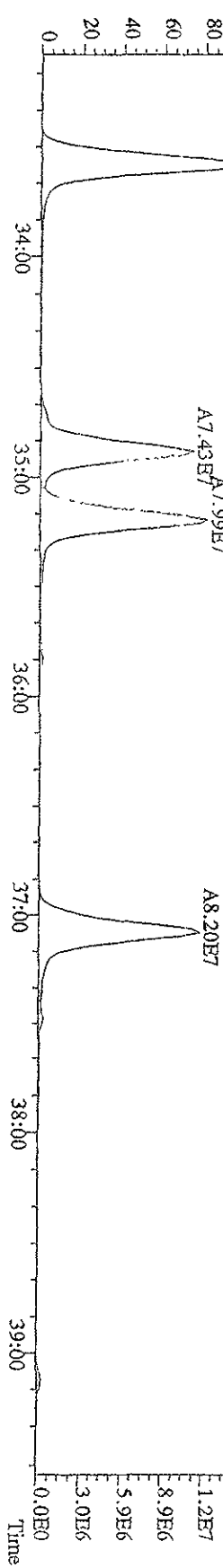
361.8385 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,12112,0,0,00%,F,T)



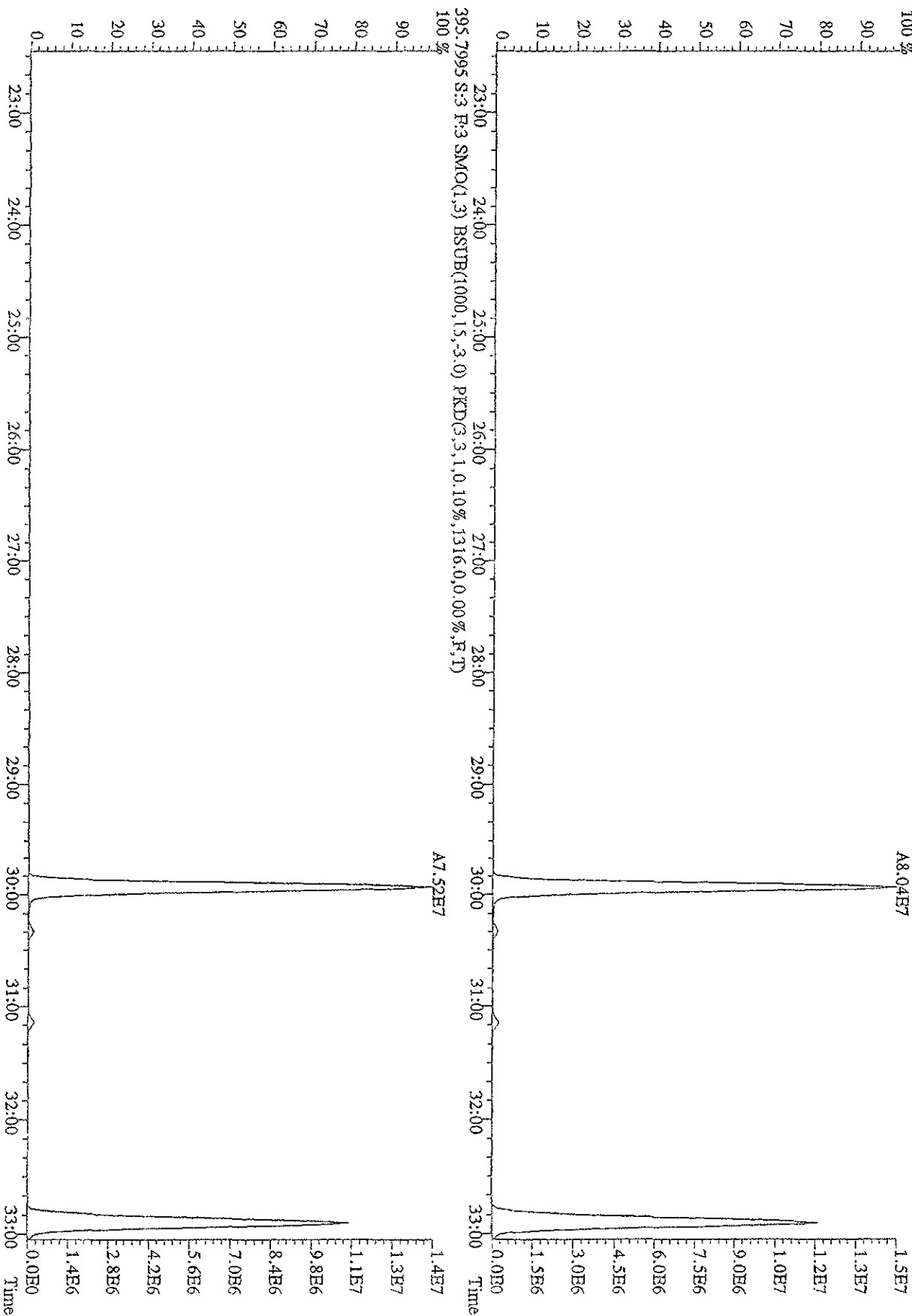
371.8817 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9036,0,0,00%,F,T)



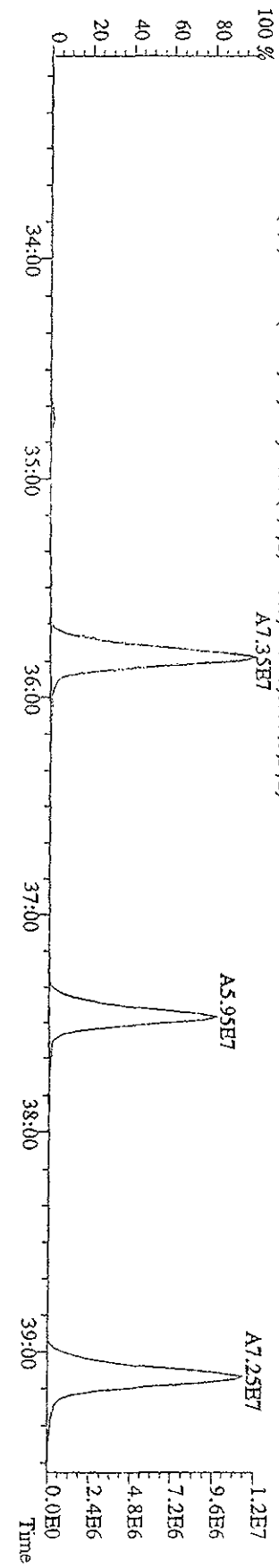
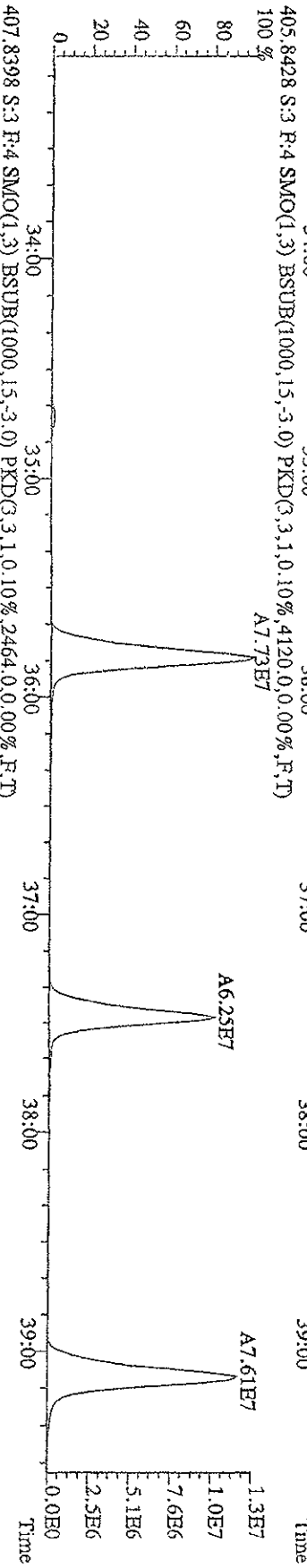
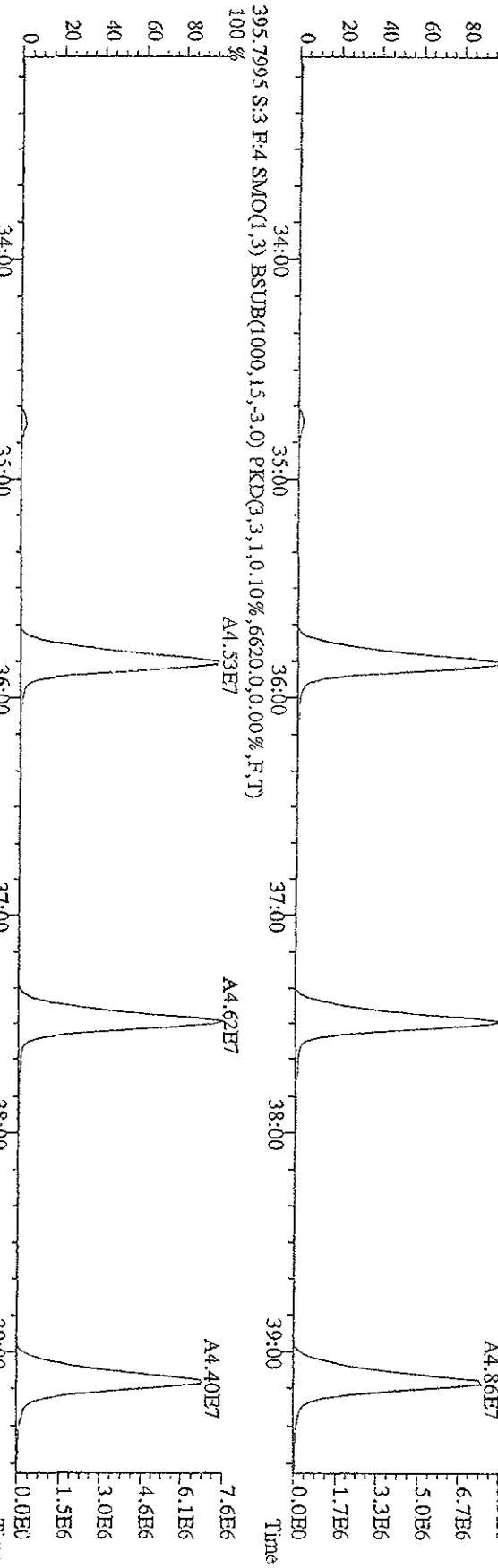
373.8788 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7288,0,0,00%,F,T)



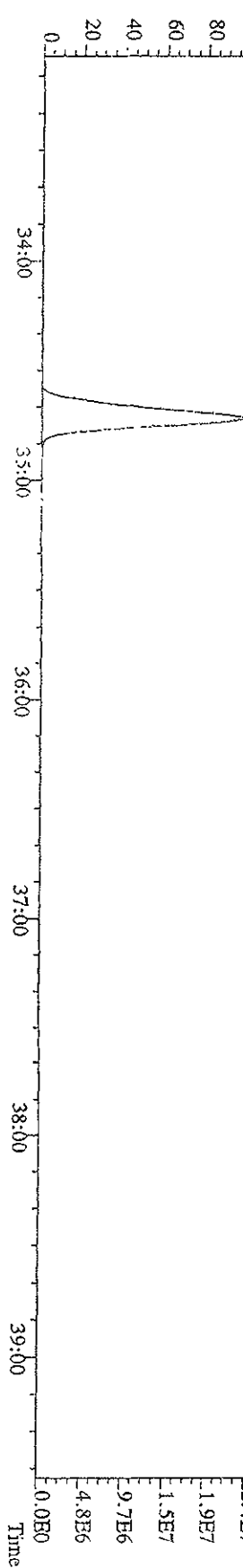
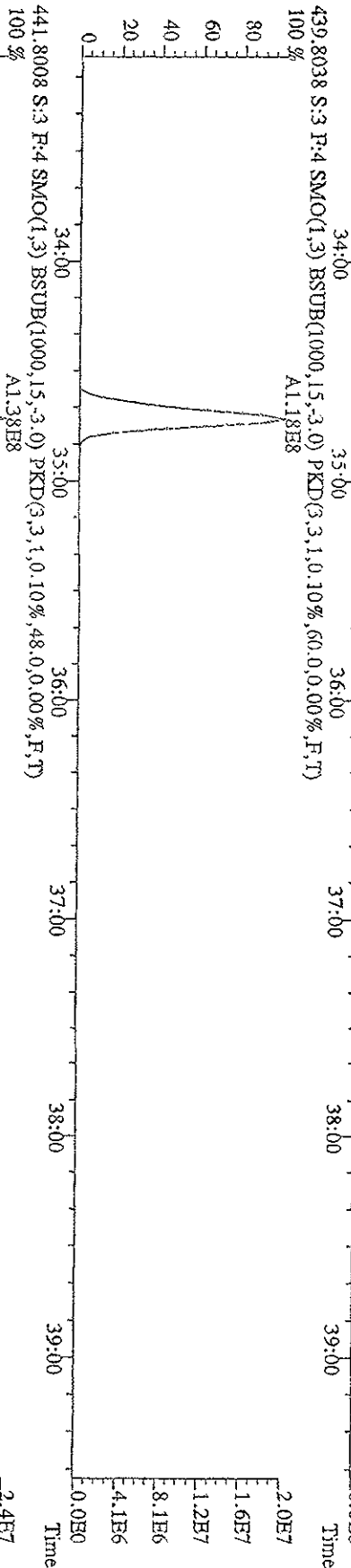
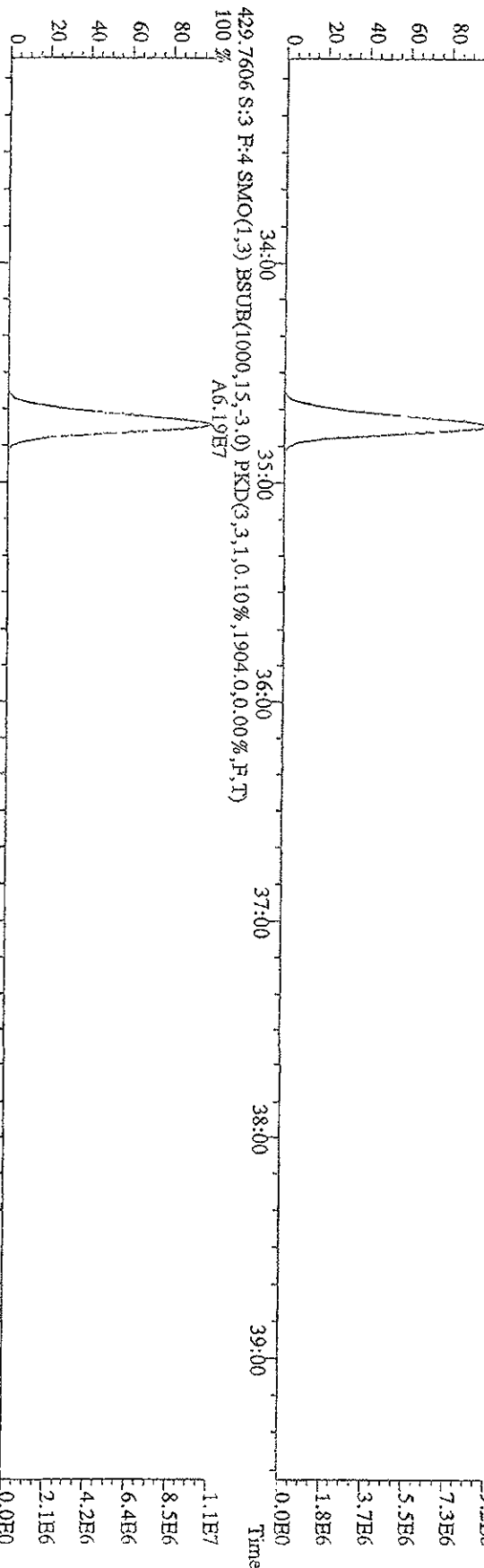
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 393.8025 S:3 F:3 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1,0,10%,4328,0,0,00%,F,T)



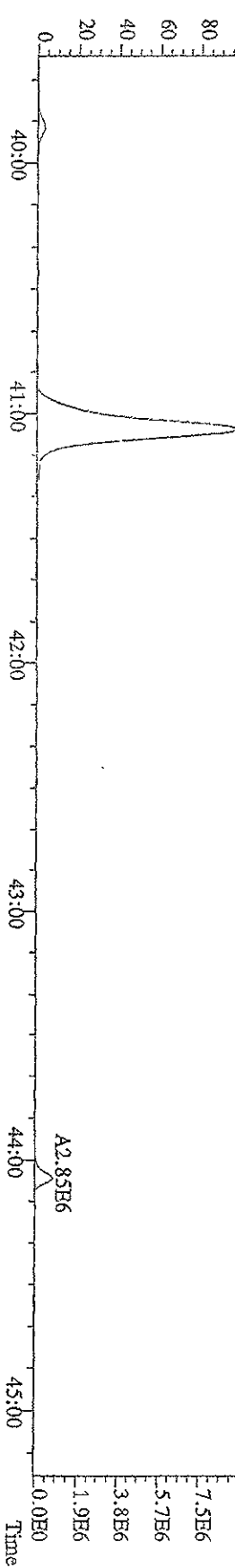
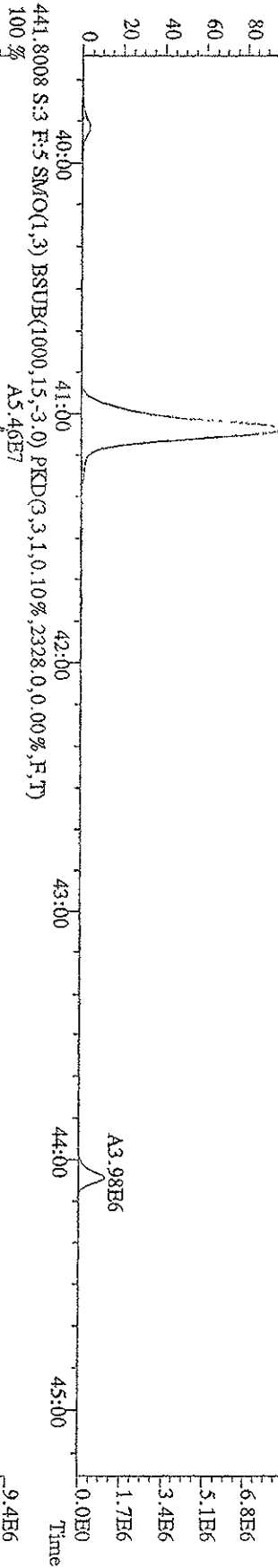
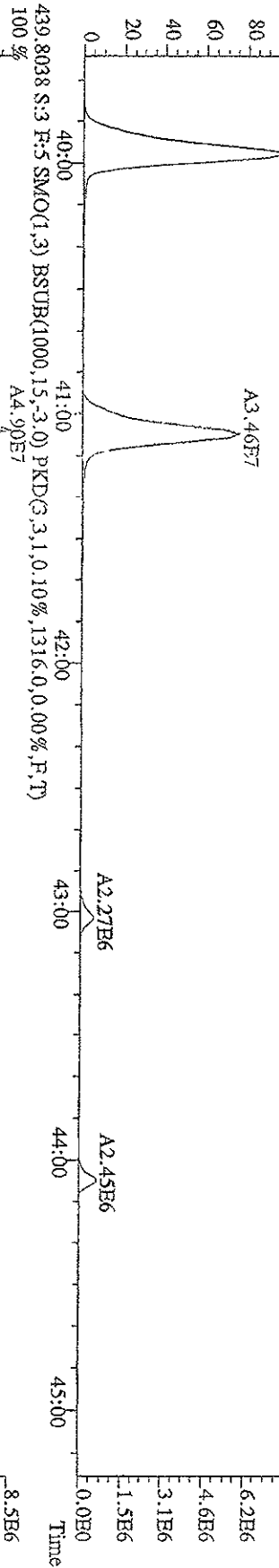
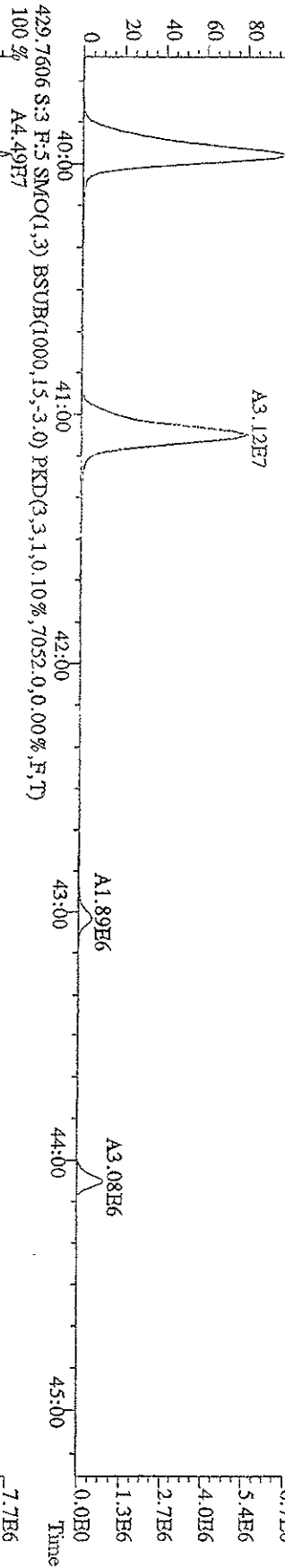
File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 393.8025 S:3 P:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5600,0,0,00%,F,T)



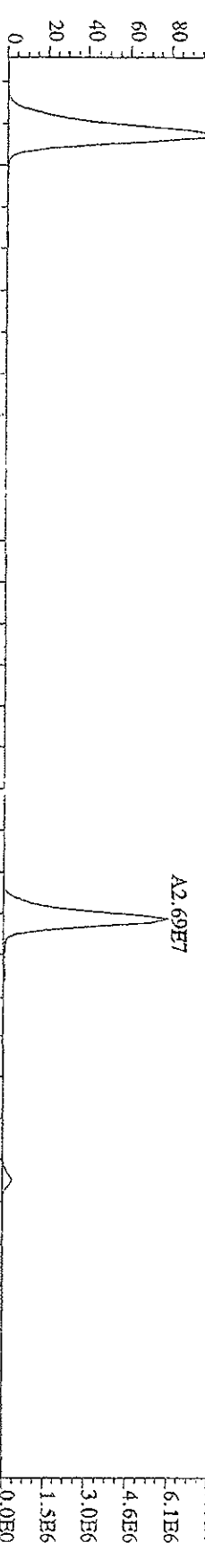
Title: 15JA09DD9D5 #1-395 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0113B :CS3 09DXN016 Exp:209DB5  
 427.7635 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1056,0,0.00%,F,T)



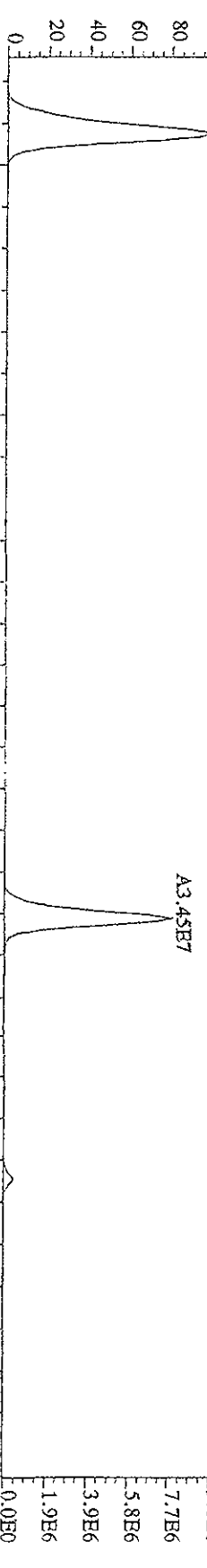
File: 151A09DD9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0115B .CS3 09DXN016 Exp:209DB5  
 427.7635 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3876,0,0,00%,F,T)  
 100%



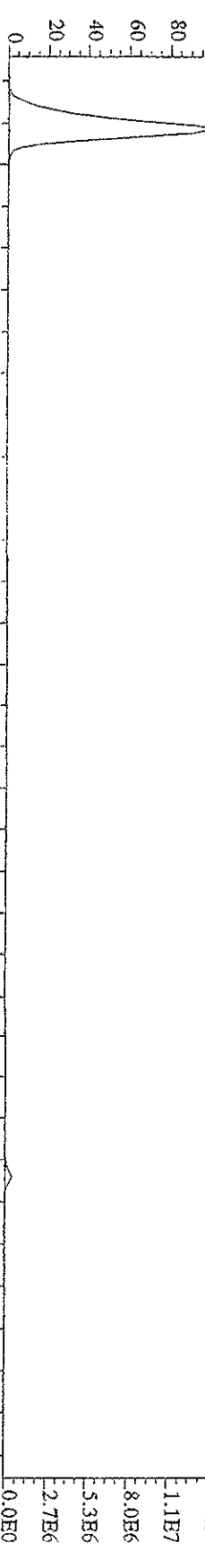
File: 151A09DD9D5 #1-378 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UtimaF  
 Sample#3 Text: ST0115B :CS3 09DXIN016 Exp: 209DB5  
 461.7245 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,988,0,0,0.00%,F,T)  
 100% A4.19E7



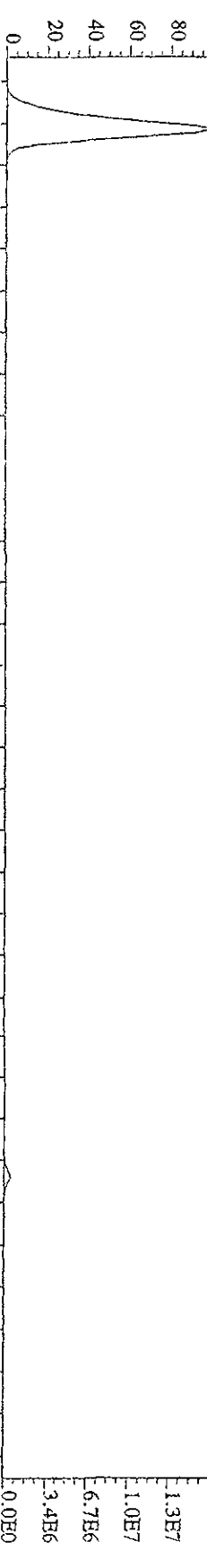
463.7216 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1296,0,0,0.00%,F,T)  
 100% A5.31E7



473.7648 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1104,0,0,0.00%,F,T)  
 100% A7.27E7

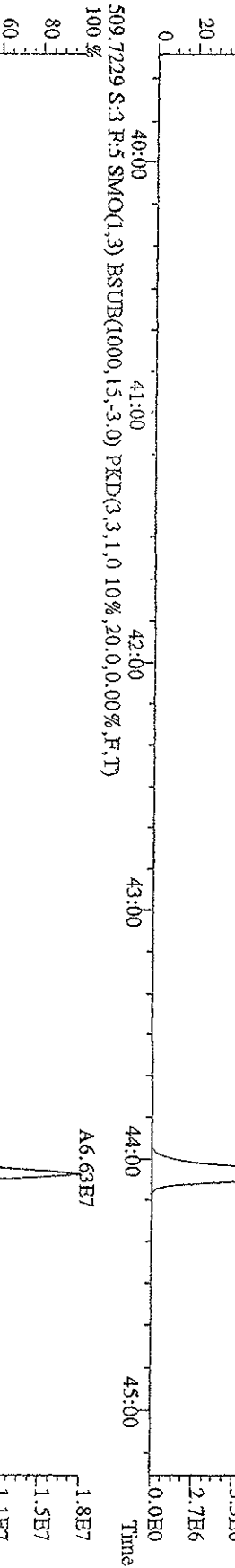
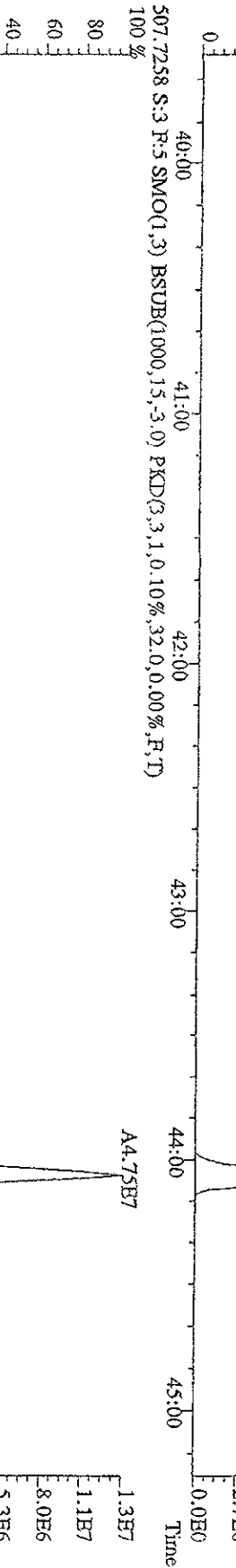
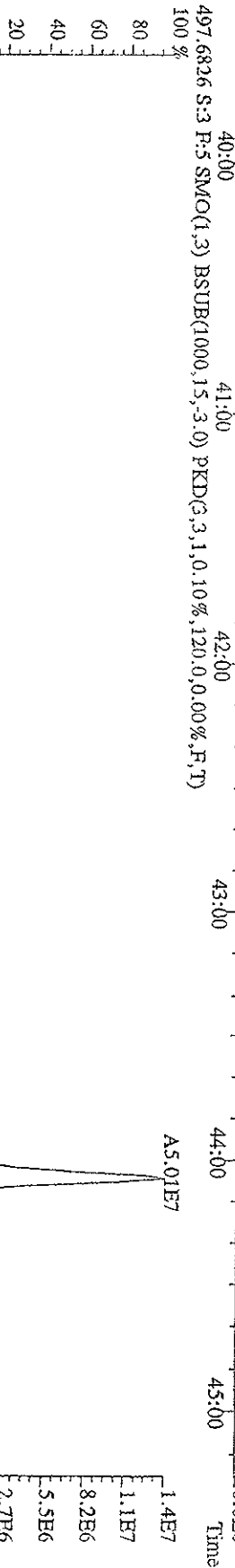
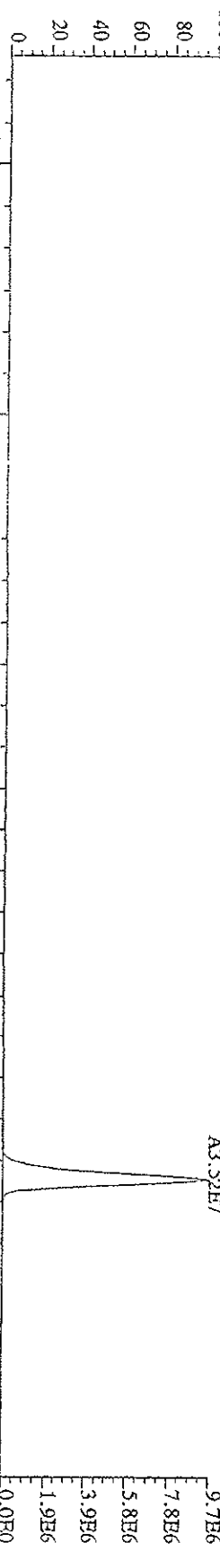


475.7619 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,676,0,0,0.00%,F,T)  
 100% A9.22E7

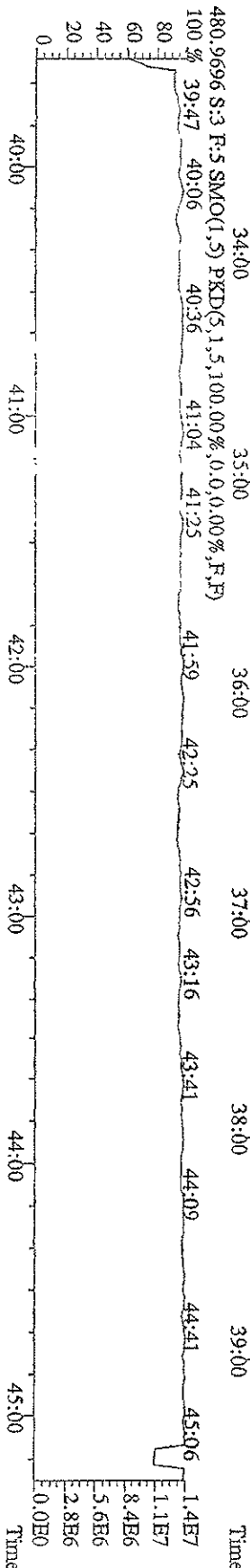
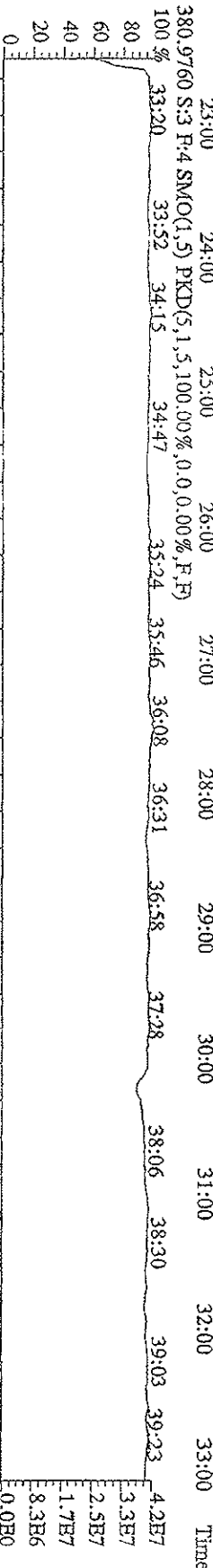
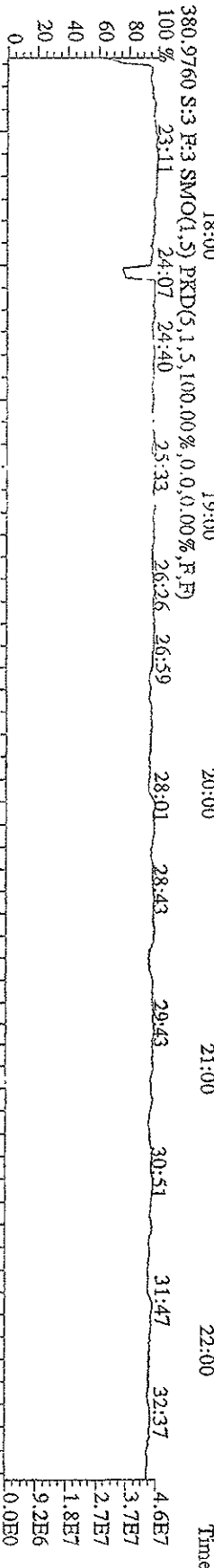
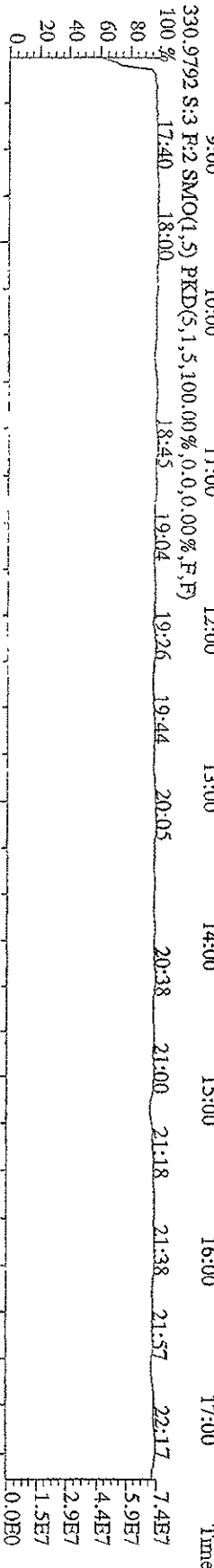
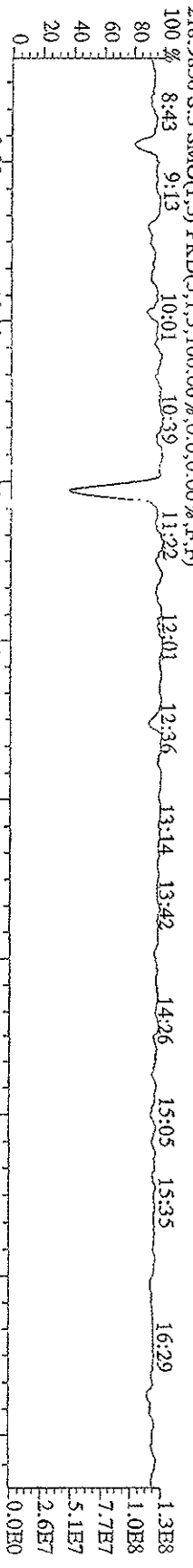




File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SHR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 495.6856 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,604,0,0,00%,F,T)

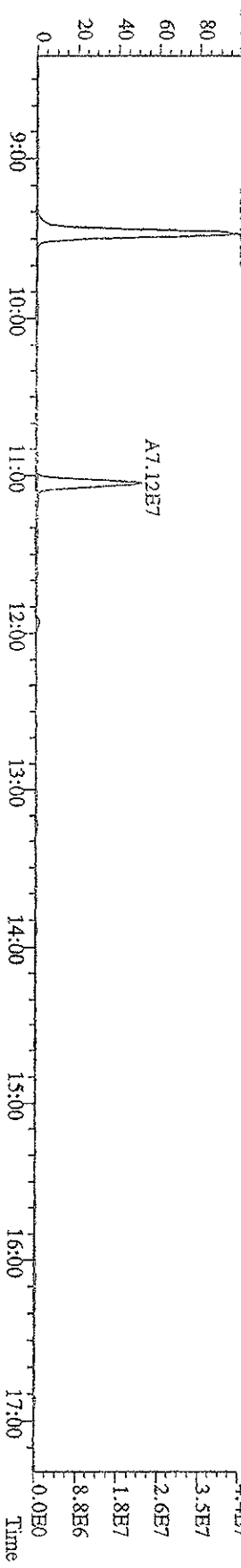
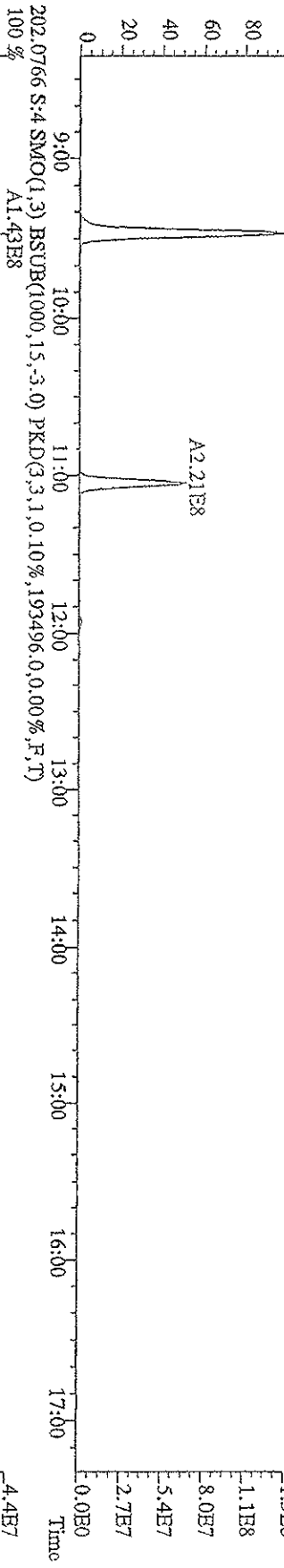
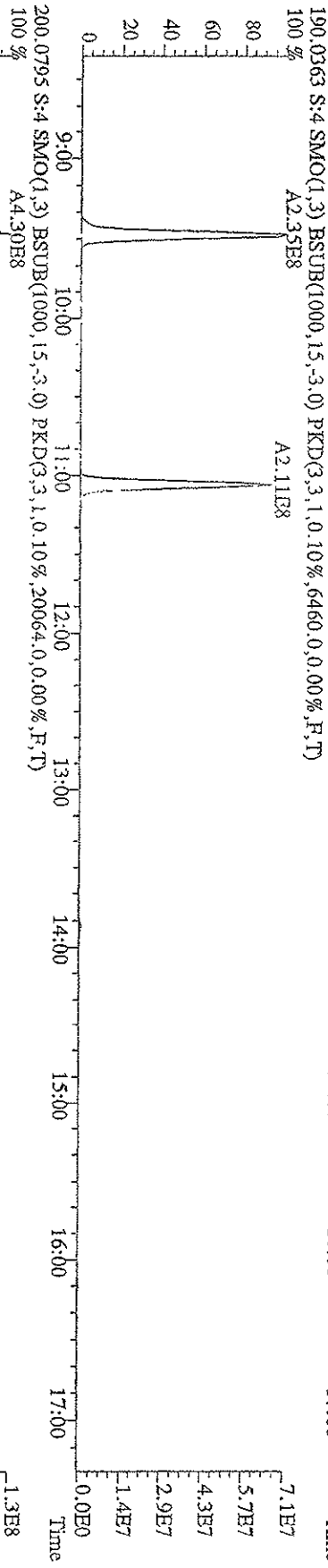
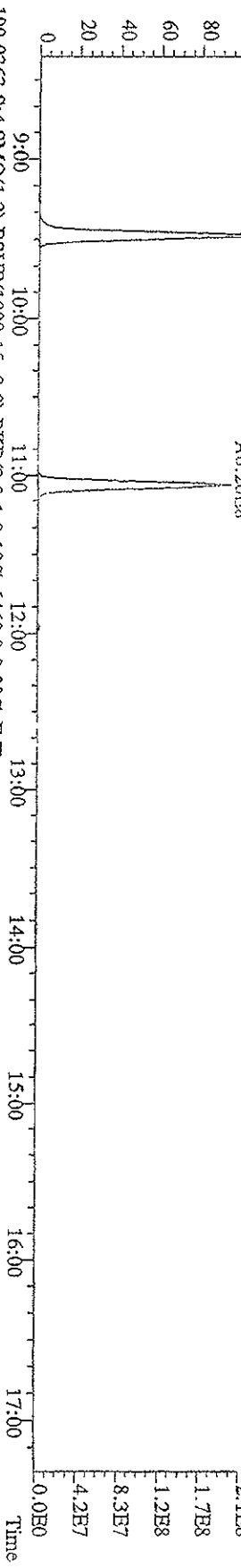


File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 22:07:59 GC HI + Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST011SB :CSS 09DXN016 Exp:209DB5

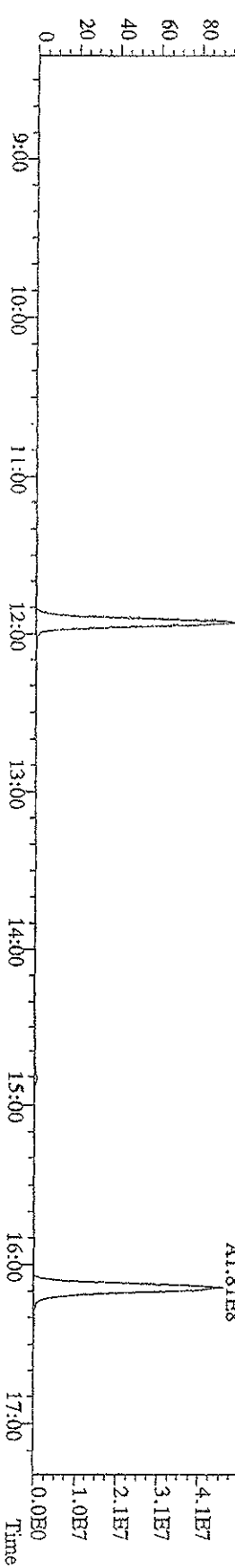
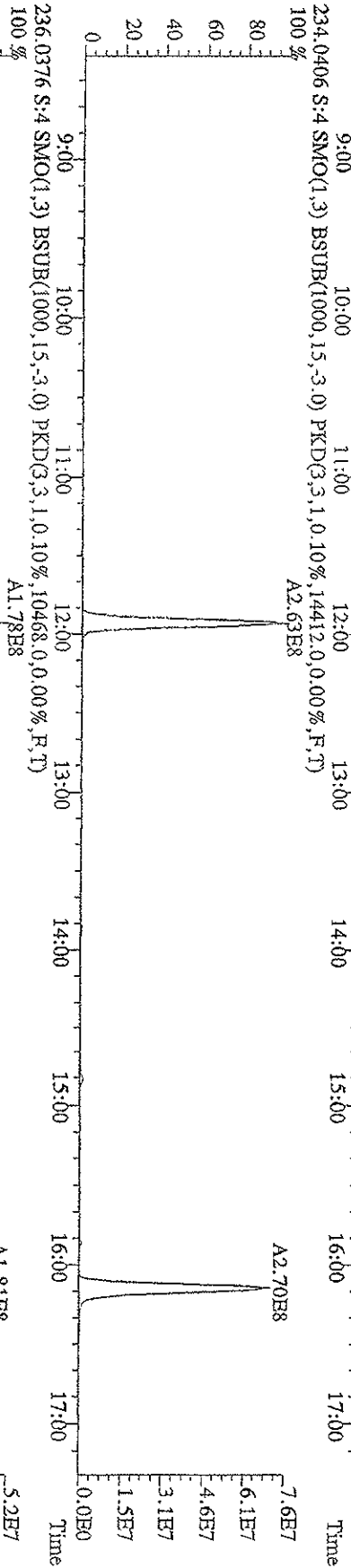
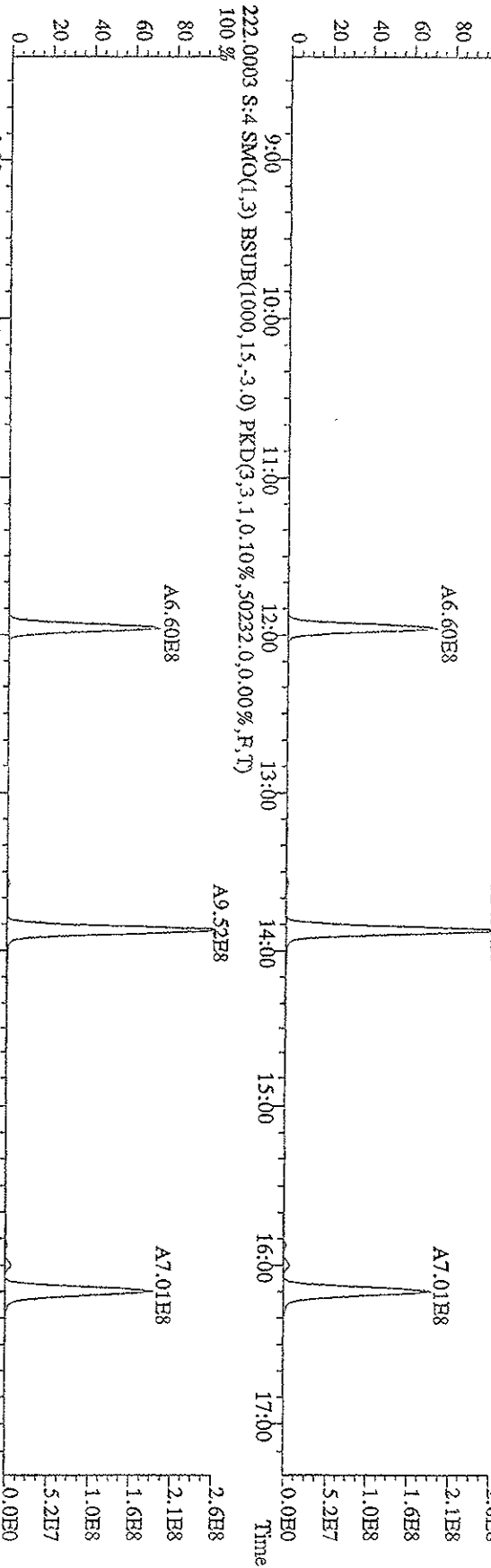


File: J51A09D9D5 #1-609 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SFR Autospec-UltimaB  
 Sample#4 Test: ST0115C :CS4 09DXM017 Exp: 209DB5

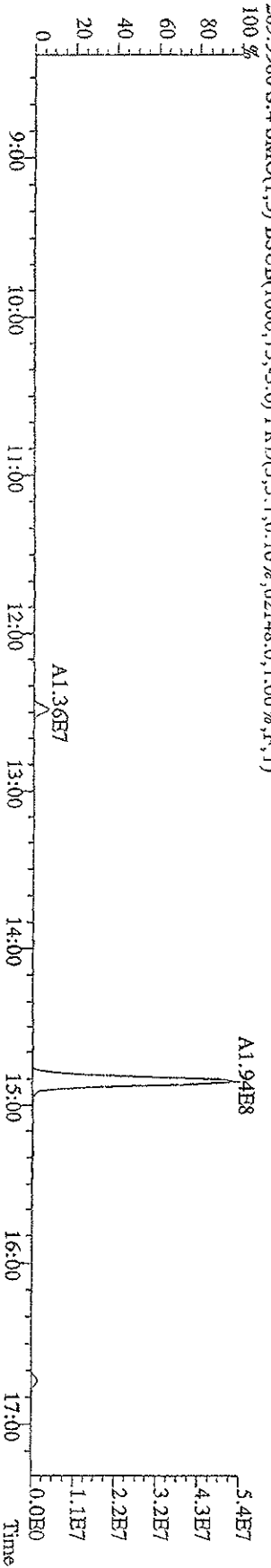
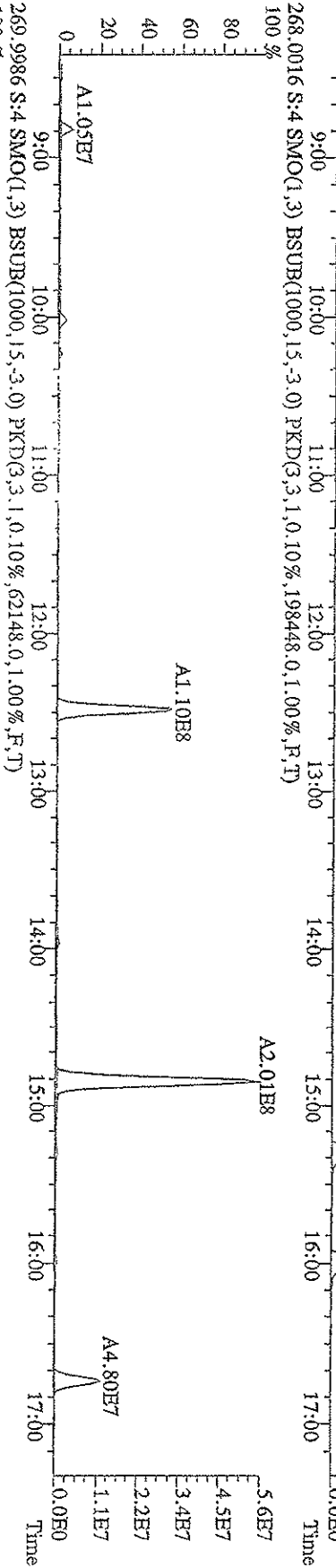
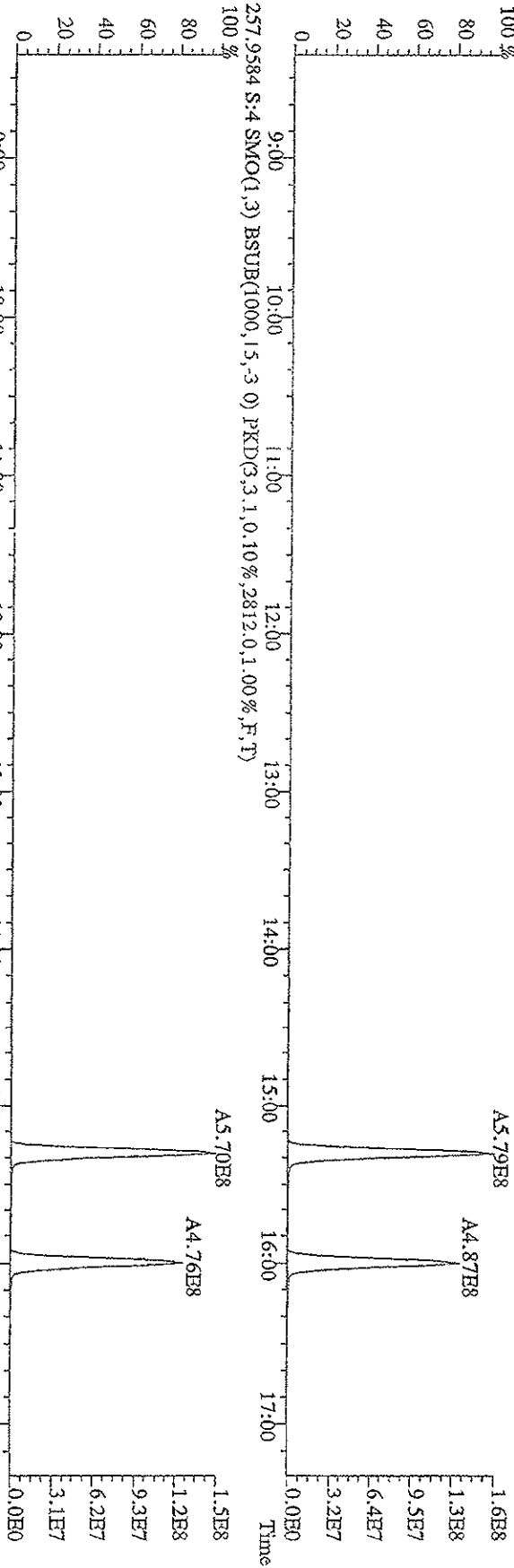
188.0363 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,12792.0,0.00%,F,T)  
 100% A6.94E8 A6.20E8



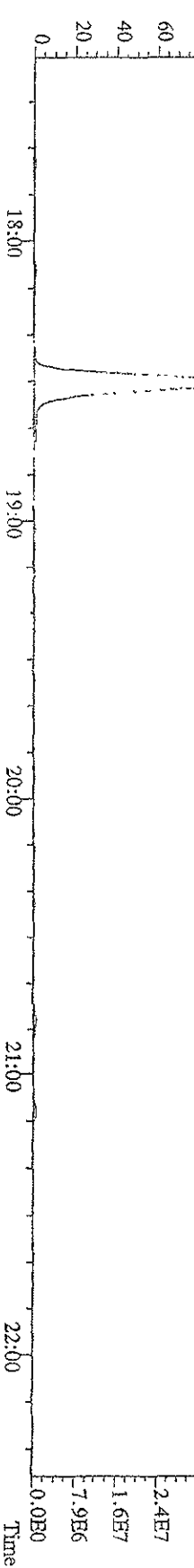
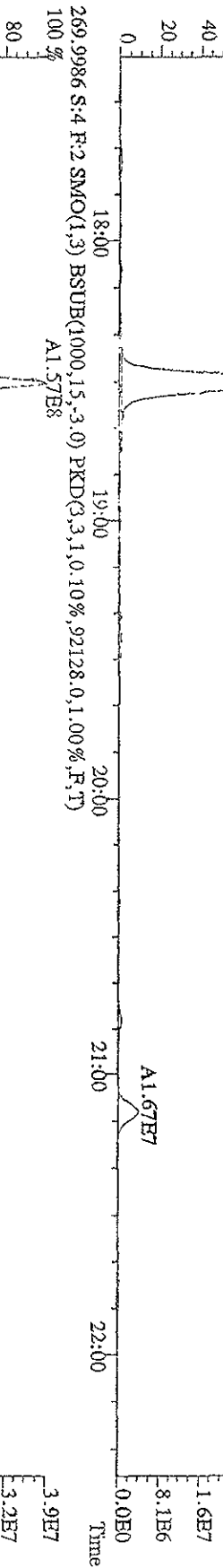
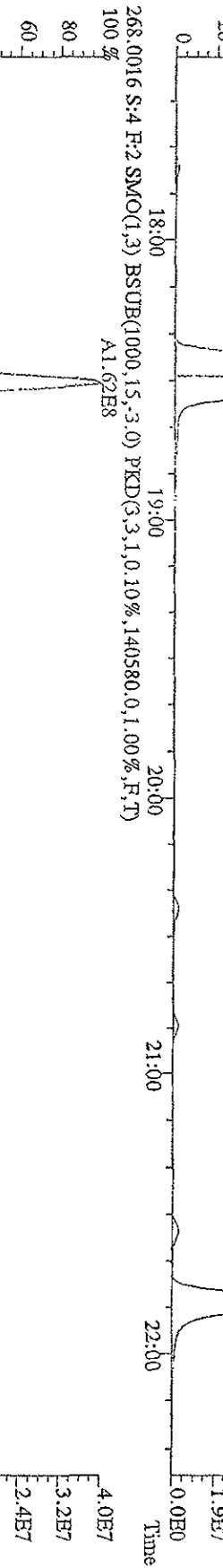
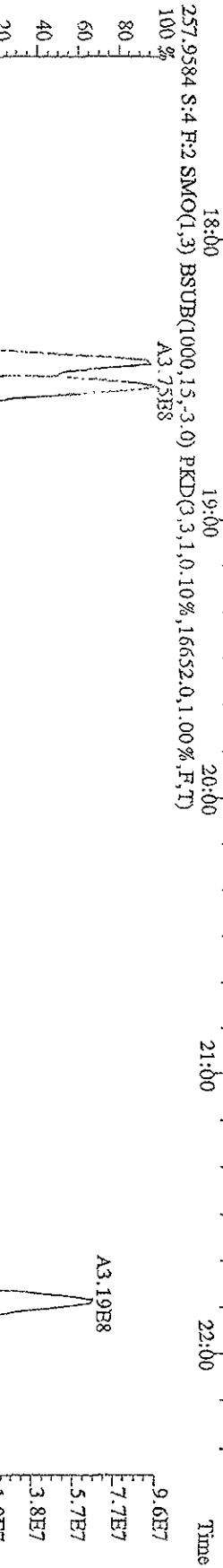
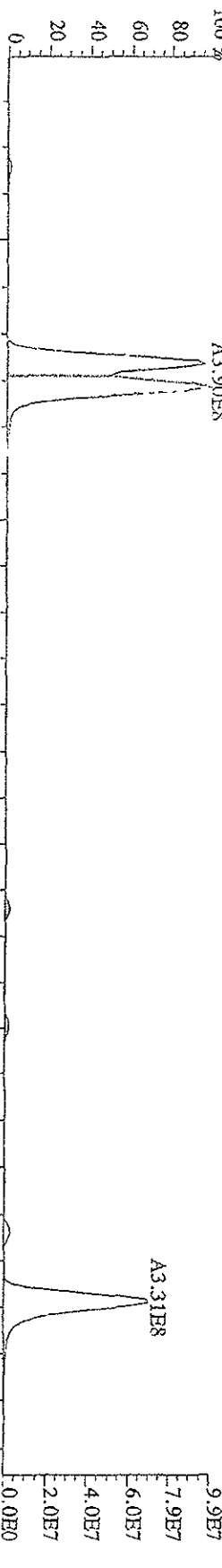
File: 151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :GS4 09DXN017 Exp:209DB5  
 222.0003 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,50232,0,0,00%,F,T) 100%



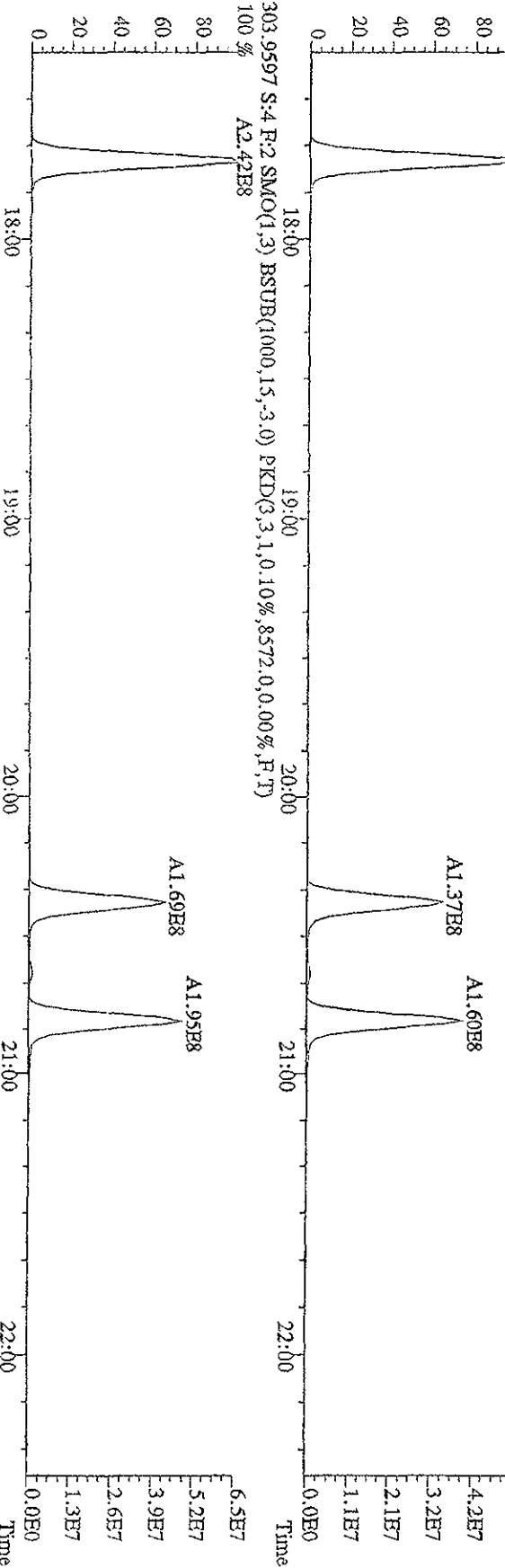
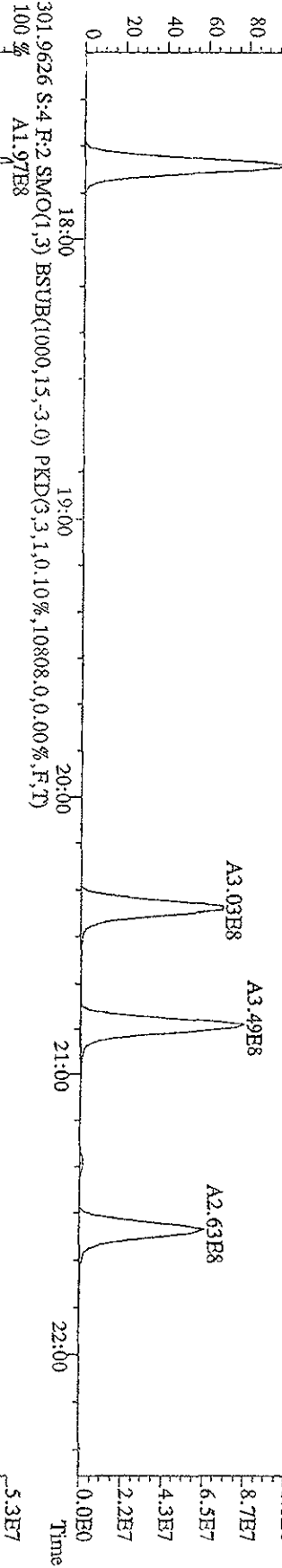
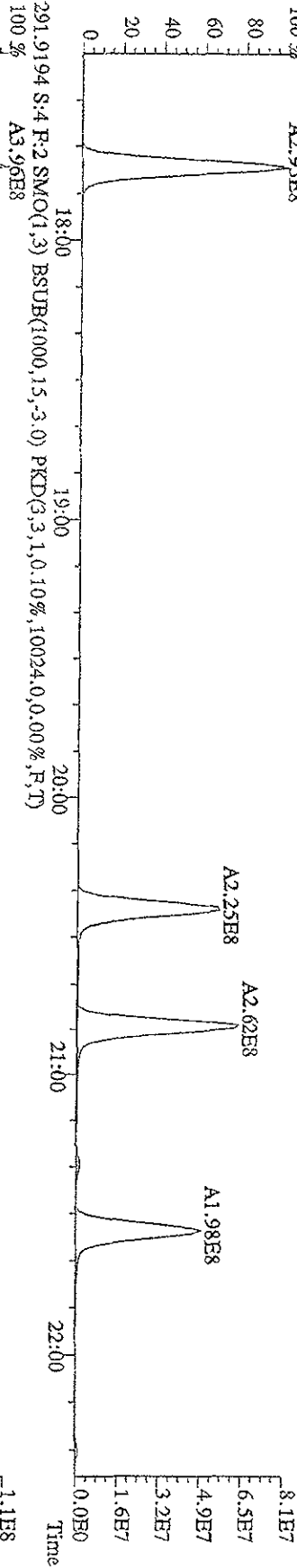
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SDR Autospec-UrtinalE  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 257.9584 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2812,0,1,00%,F,T)



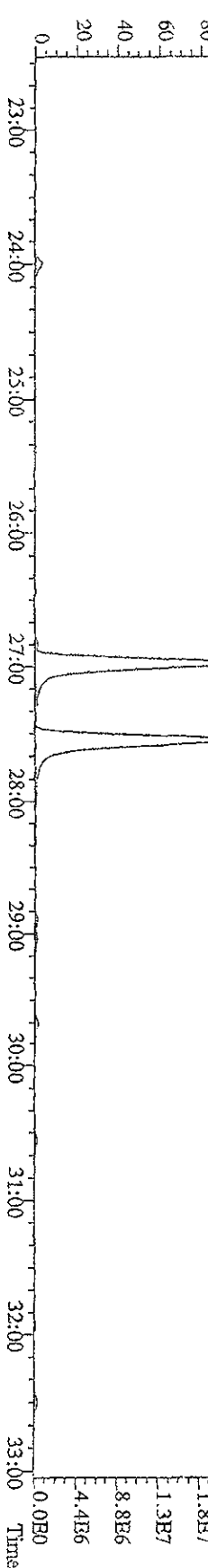
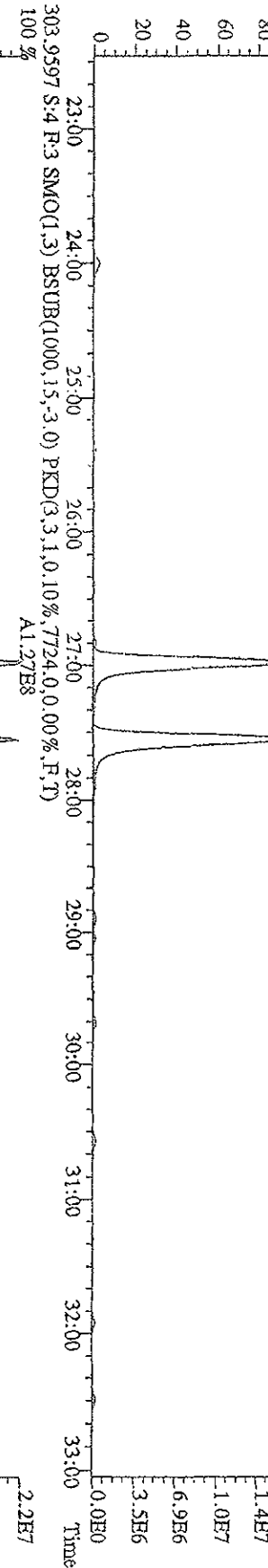
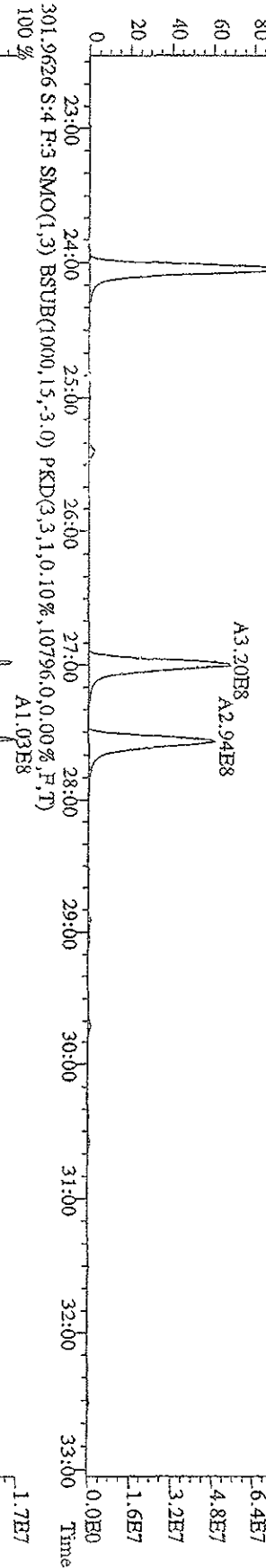
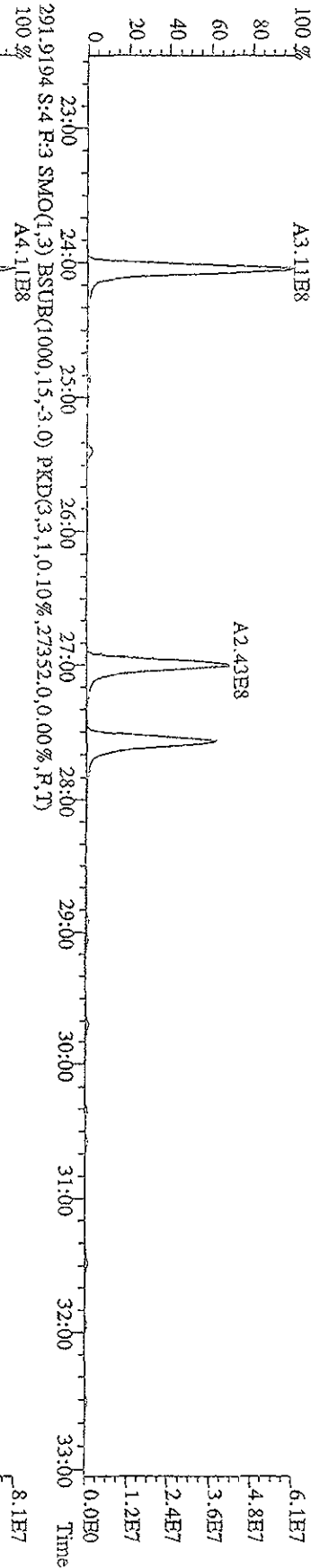
File: 15JA09D9D5 #1-371 Acq: 15-JAN-2009 22:59:23 GC.HI+ Voltage SIR Autospec-UltraE  
 Sample#4 Text: ST0115C :CS4 09DXND017 Exp: 209DB5  
 255.9613 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1.9732,0,1,00%,F,T)



File: 15JA09D9D5 #1-371 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimat  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 289.9224 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10024,0,0.00%,F,T)  
 100% A2.95E8

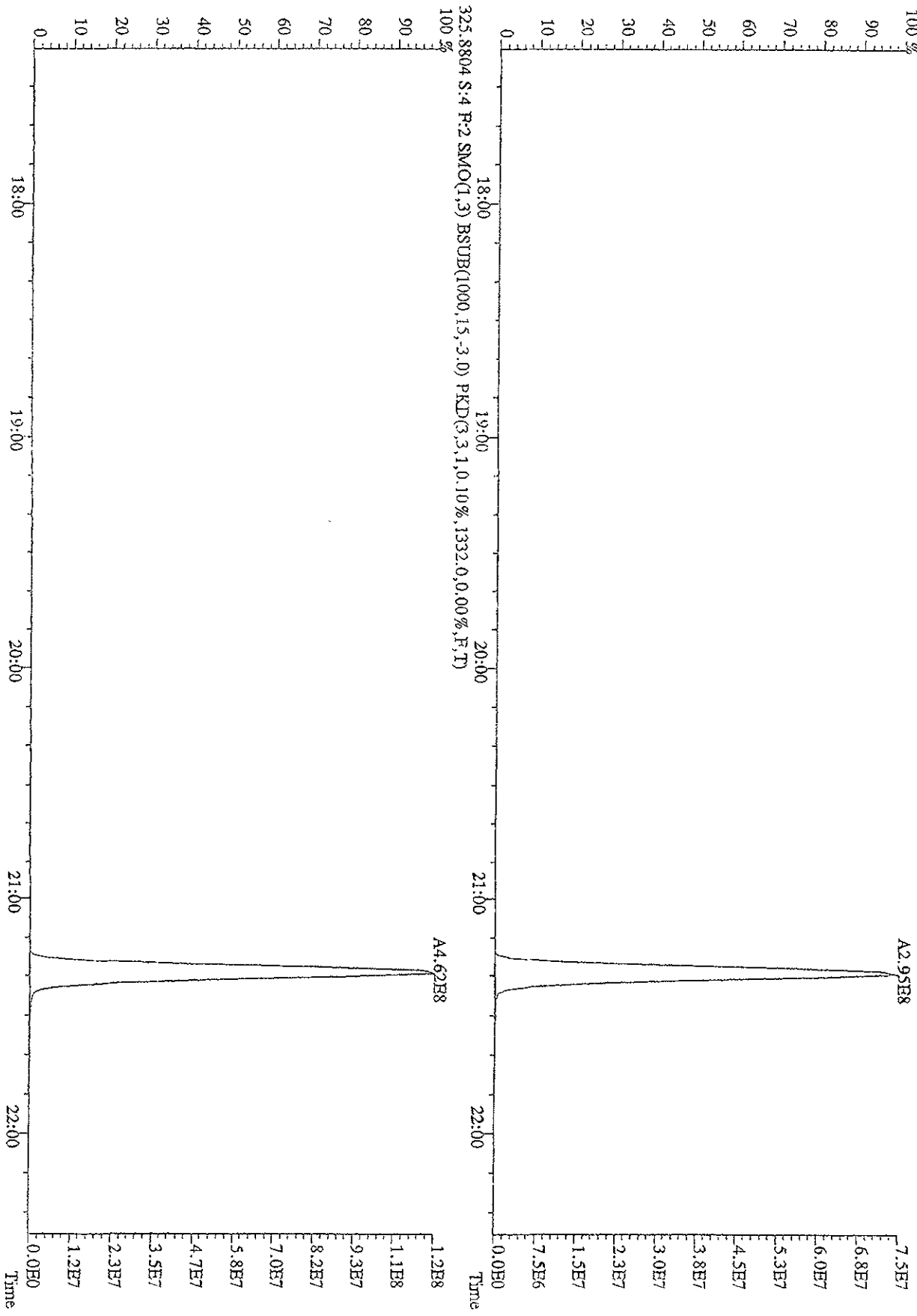


File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9024,0,0,00%,F,T) 100%  
 A3.11E8

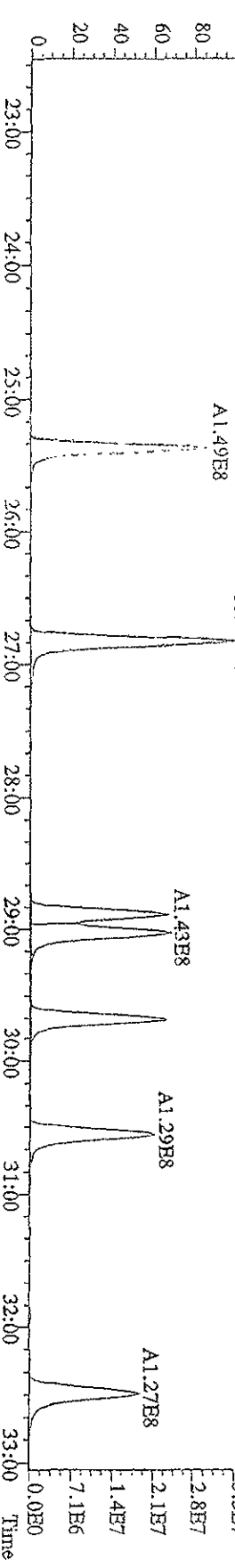
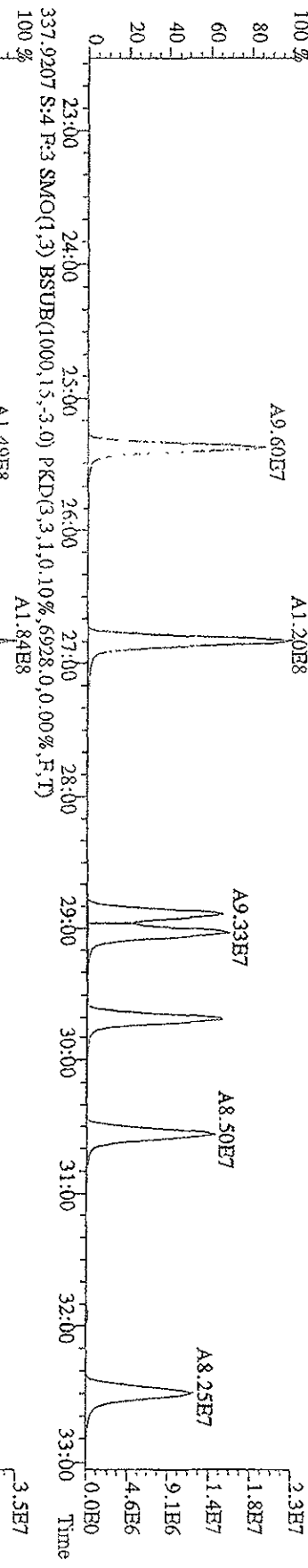
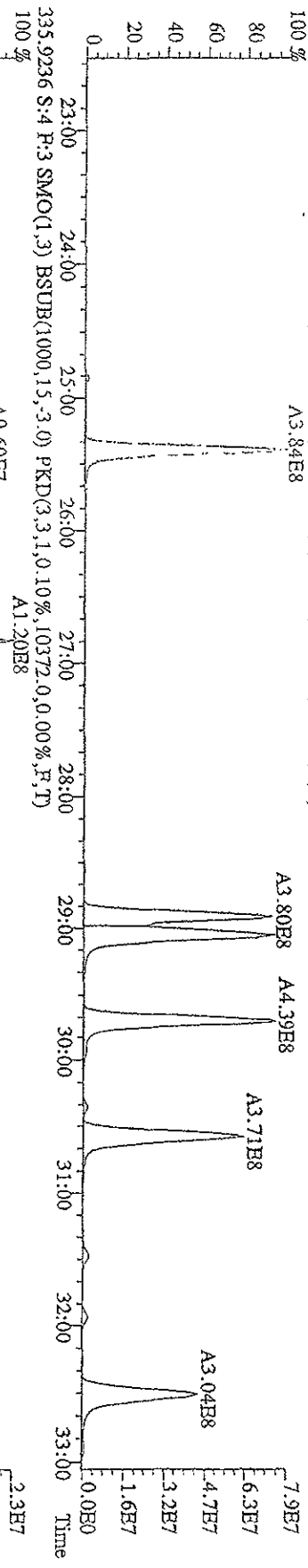
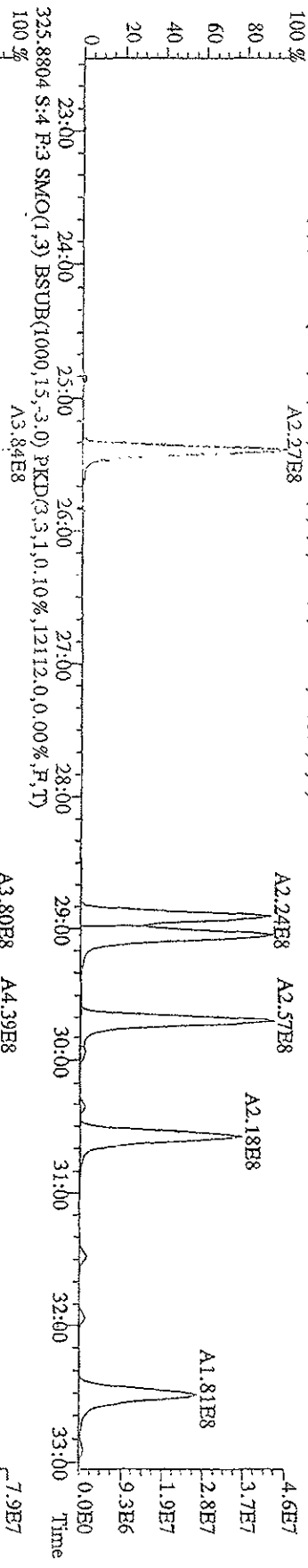




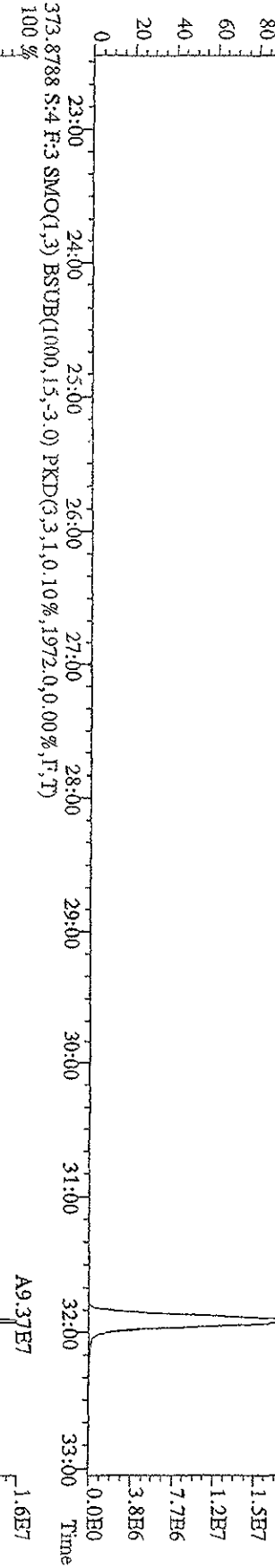
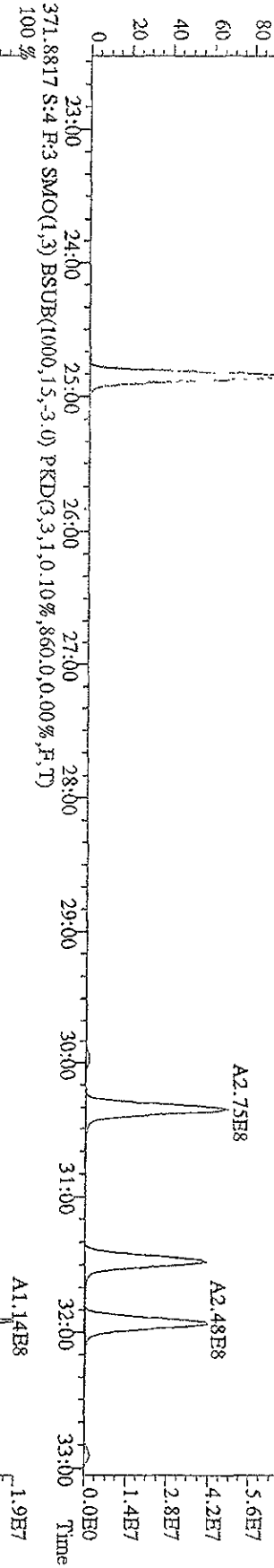
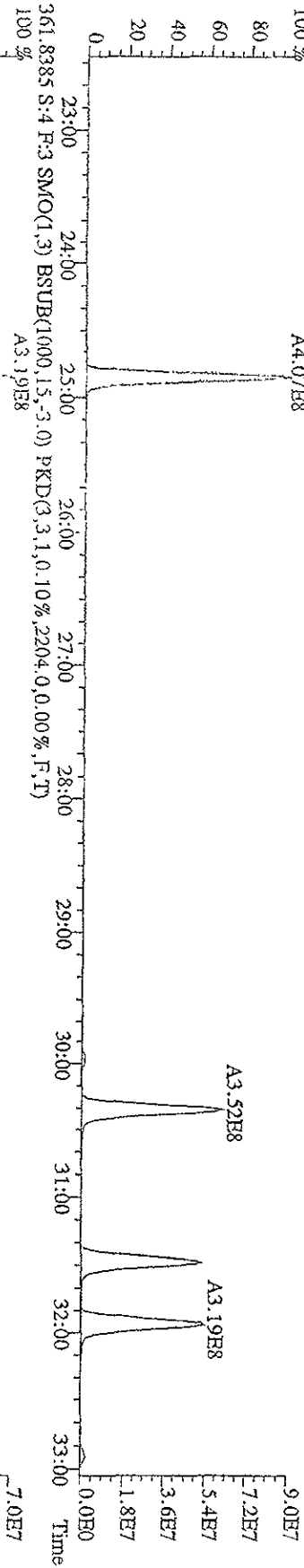
File: 151A09D9D5 #1-371 Acq: 15-1AN-2009 22:59:23 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#4 Text: ST0113C :CS4 09DXN017 Exp: 209DB5  
 323.8834 S:4 P:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1332,0,0,00%,F,T)



File: 151A09DD9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage 51V Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 323.8834 S:4 P:3 SMO(1,3) BSUBR(1000,15,-3.0) PKD(3,3,1,0,10%,5536,0,0.00%,F,T)  
 100%

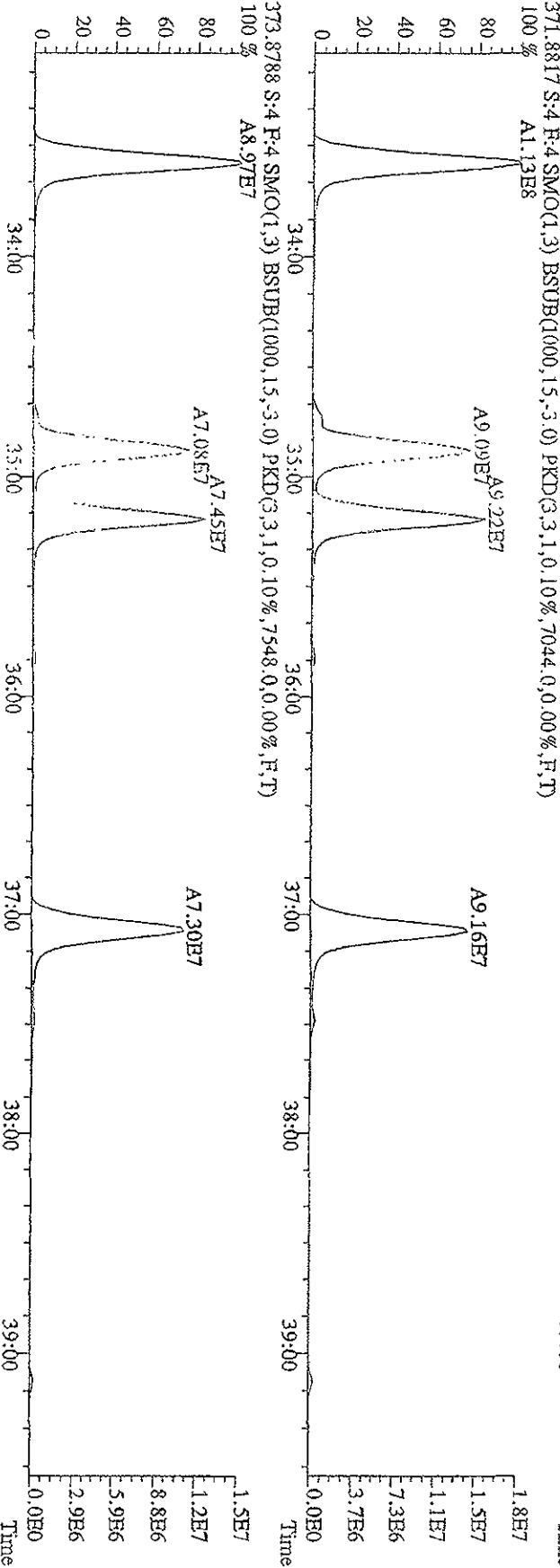
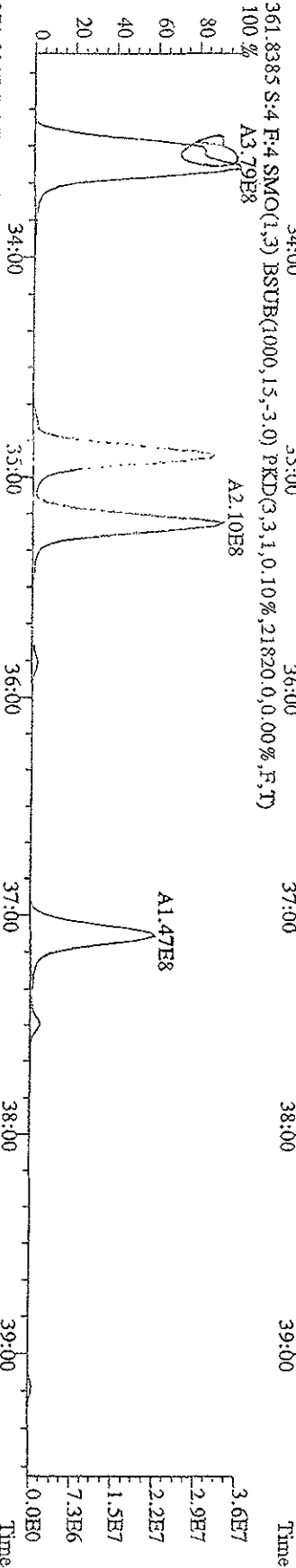
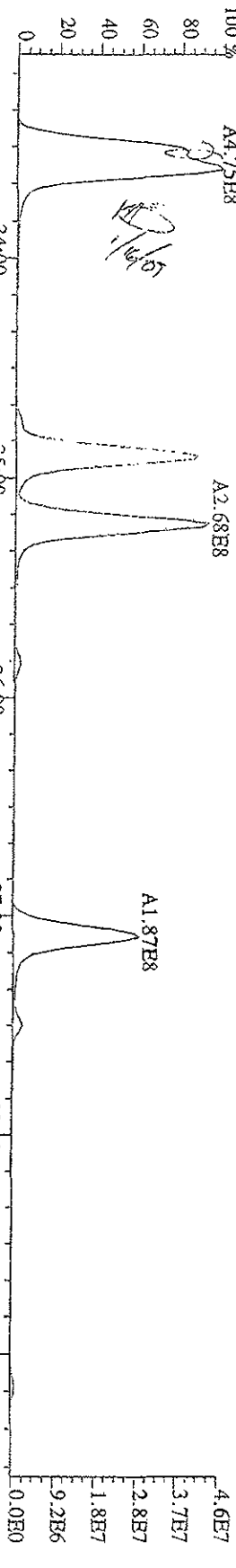


Title: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 359.8415 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2244,0,0,00%,F,T)  
 100% A4.07E8

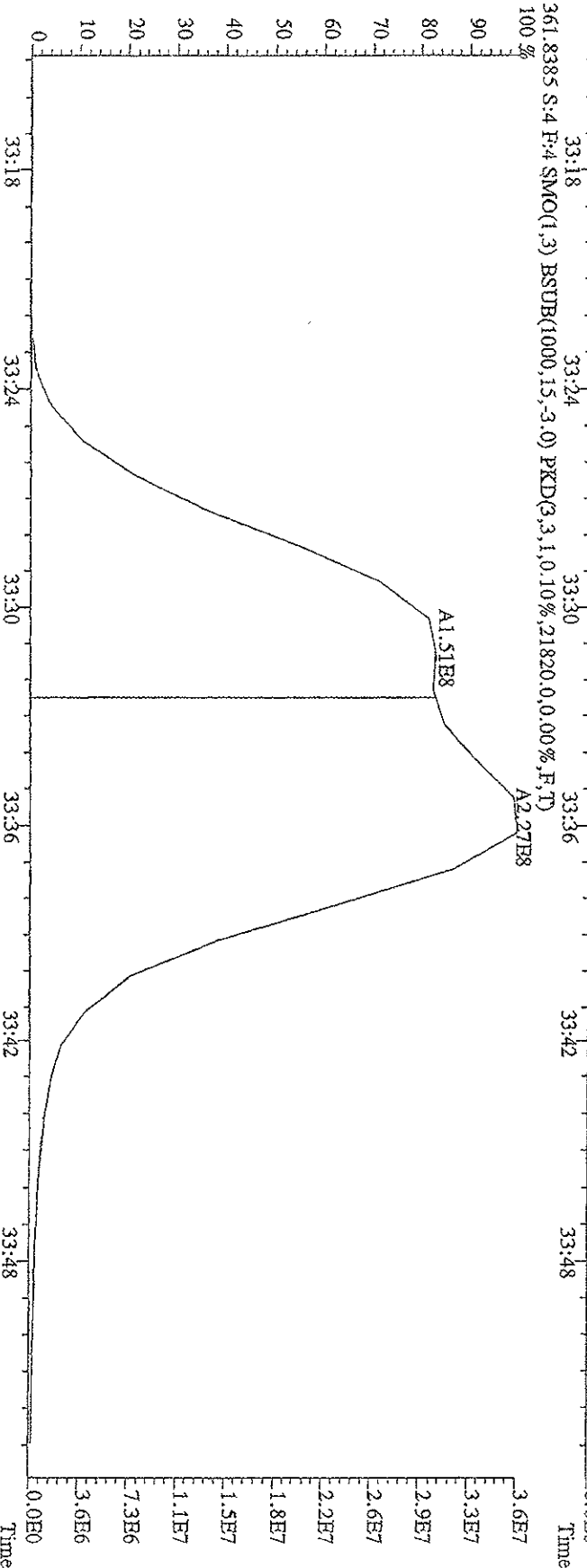
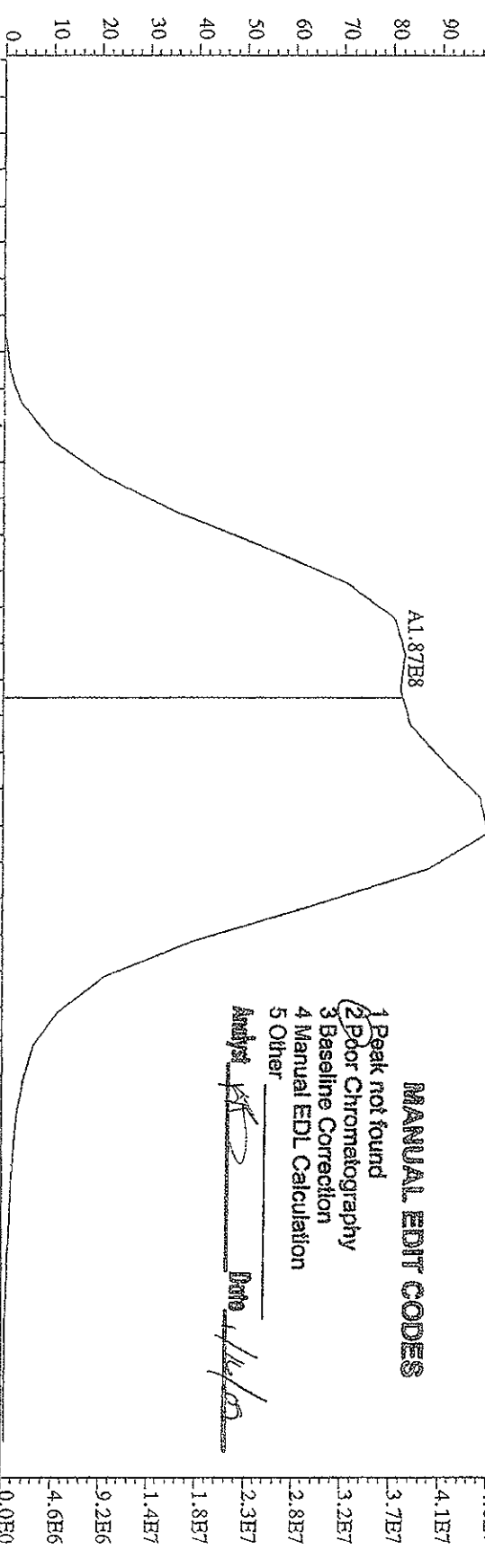


File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC HI+ Voltage:51K Autospec-Ultimate

Sample:#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5



File: 15IA09D9D5 #1-395 Acq: 15-JAN-2009 22:59:23 GC EI + Voltage SIR Autospec-DIimab  
 Sample#4 Text: ST015C :CS4 09DXN017 Exp: 209DB5  
 359,8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,21820,0,0,00%,F,T)  
 100 %

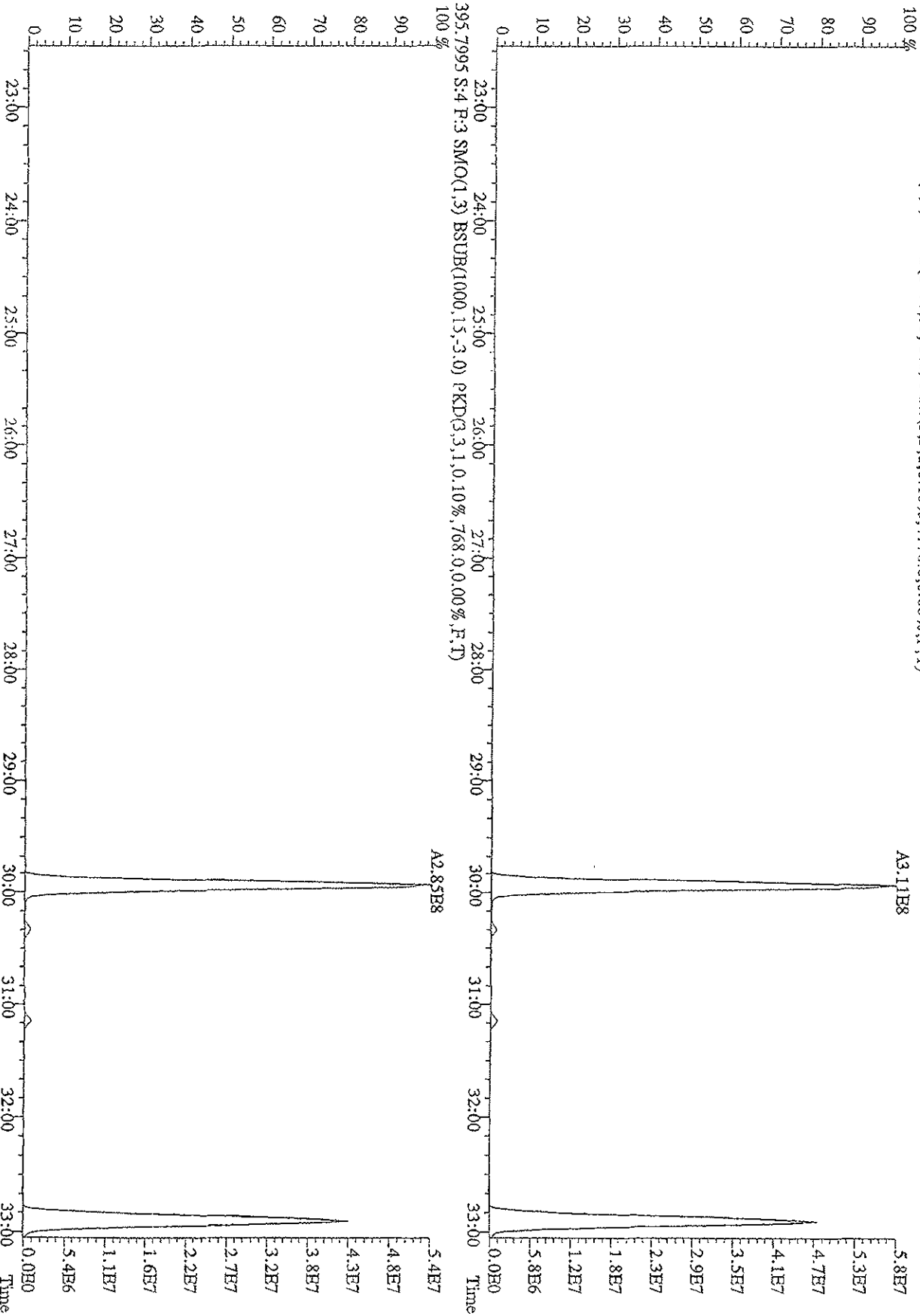


**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

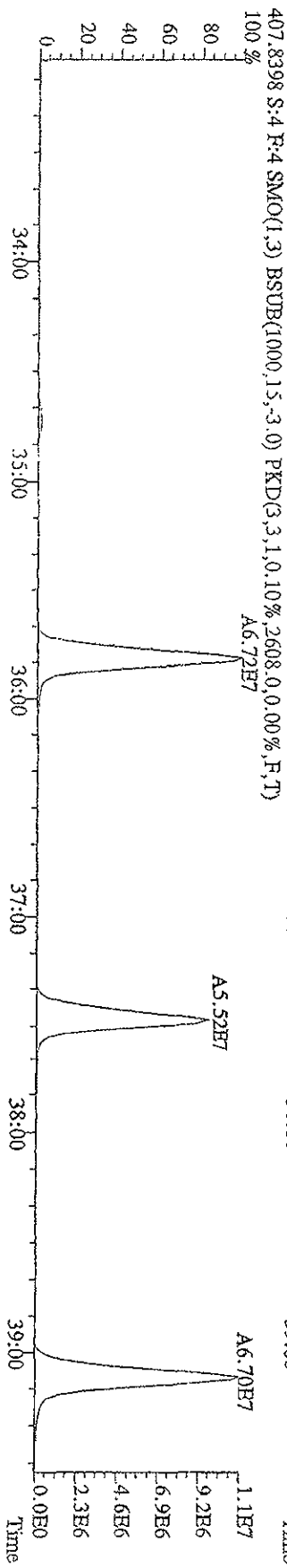
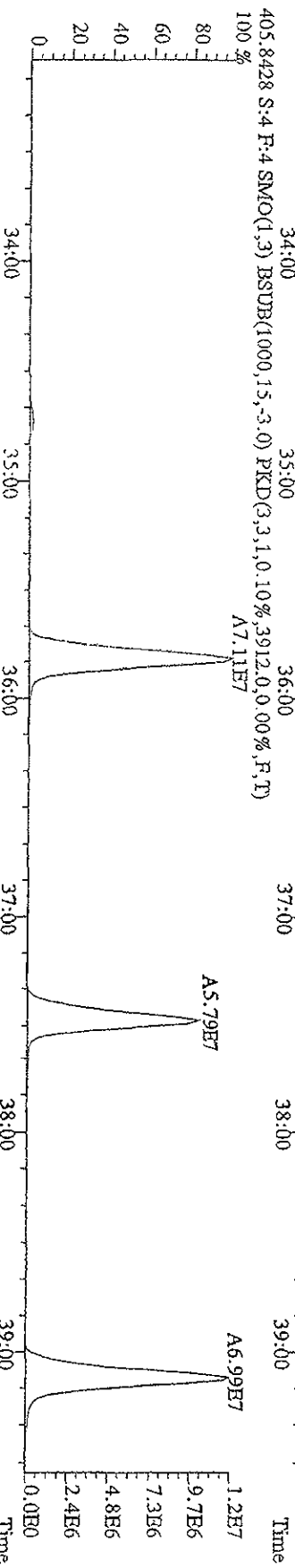
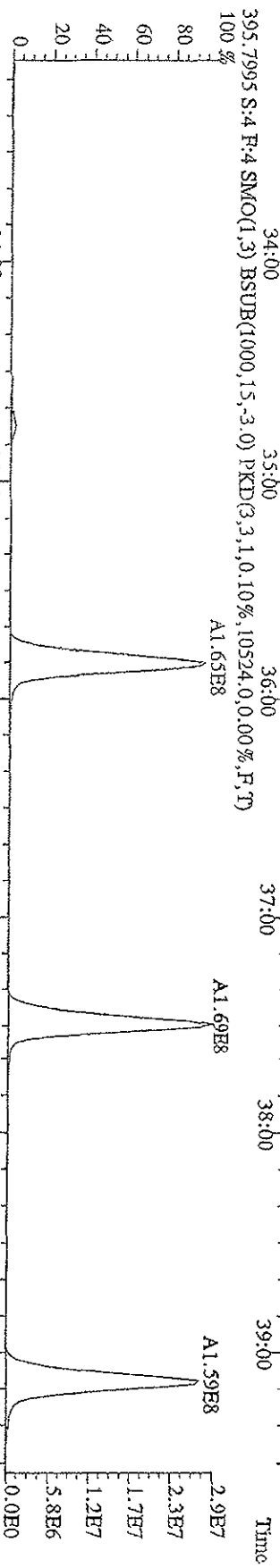
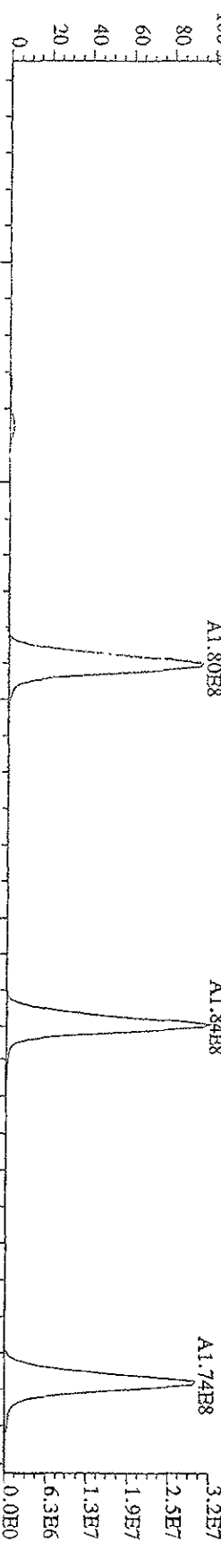
Analyst WJ Date 1/16/09

File: 151A09D9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage:50V Airflow:10.0 mL/min  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 393.8025 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,768,0,0,00%,F,T)



File:151A09DD5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimah

Sample#4 Text:ST015C :CS4 09DXN017 Exp:209DB5

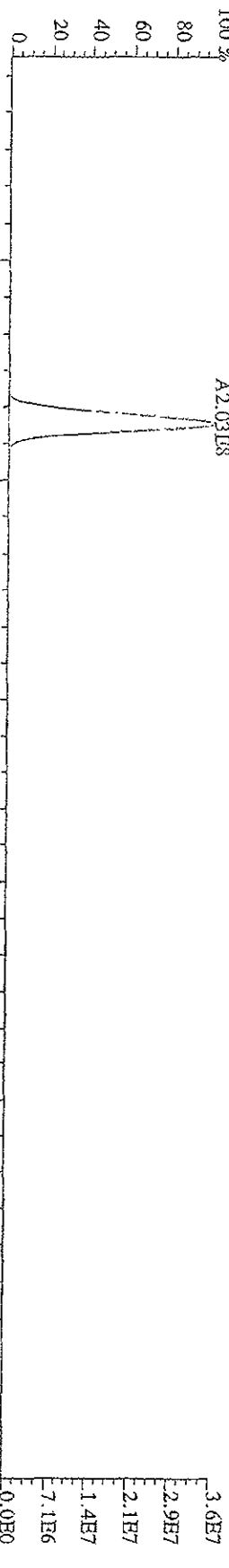


File:15IA09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage 51V Autospec-UltimaH

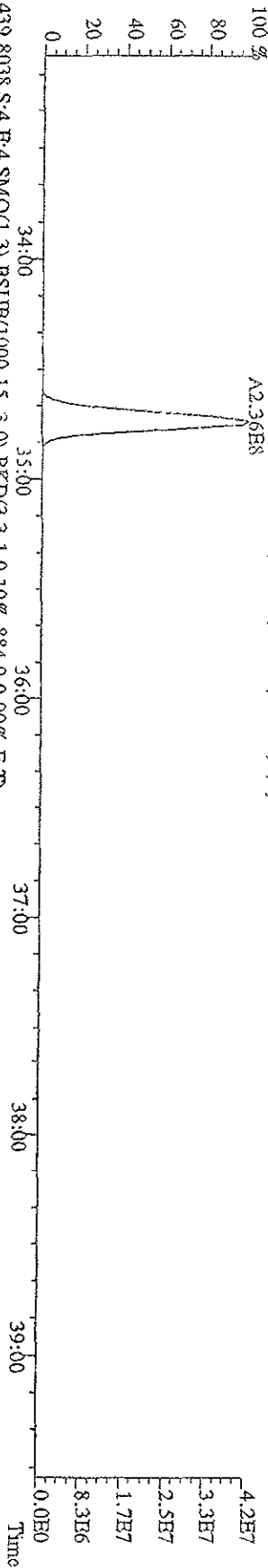
Sample#4 Text:ST0115C :CS4 09DXN017

Exp:209DB5

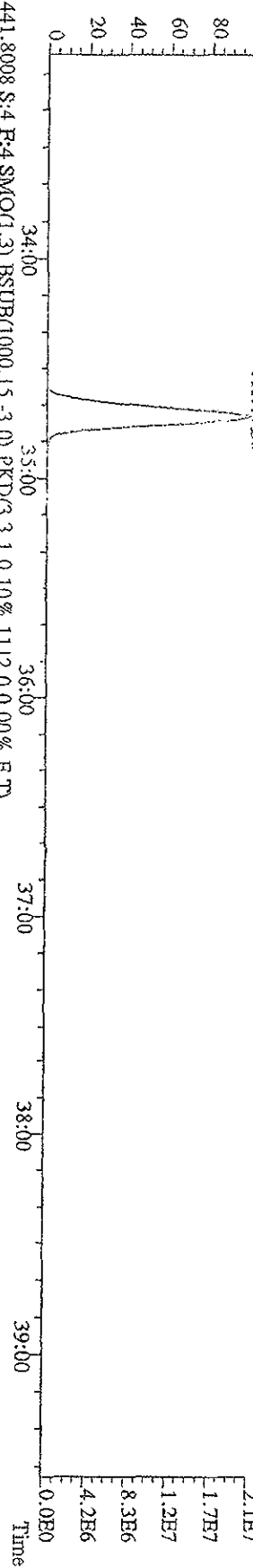
427.7635 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1364,0,0.00%,F,T)



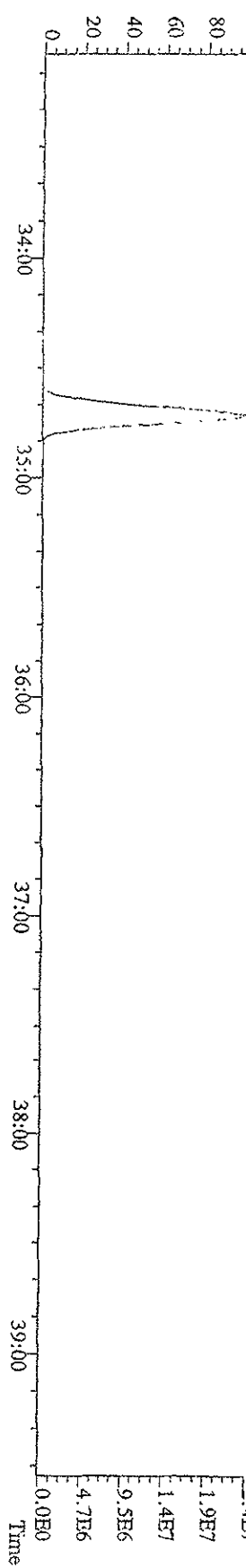
429.7606 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1636,0,0.00%,F,T)



439.8038 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,884,0,0.00%,F,T)

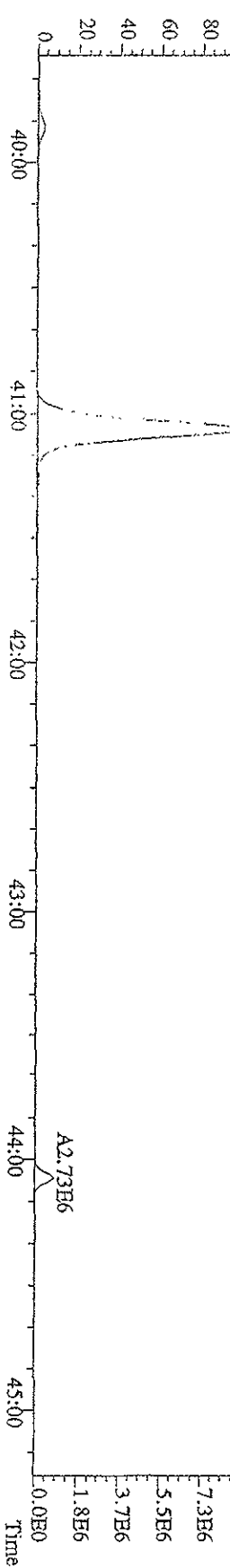
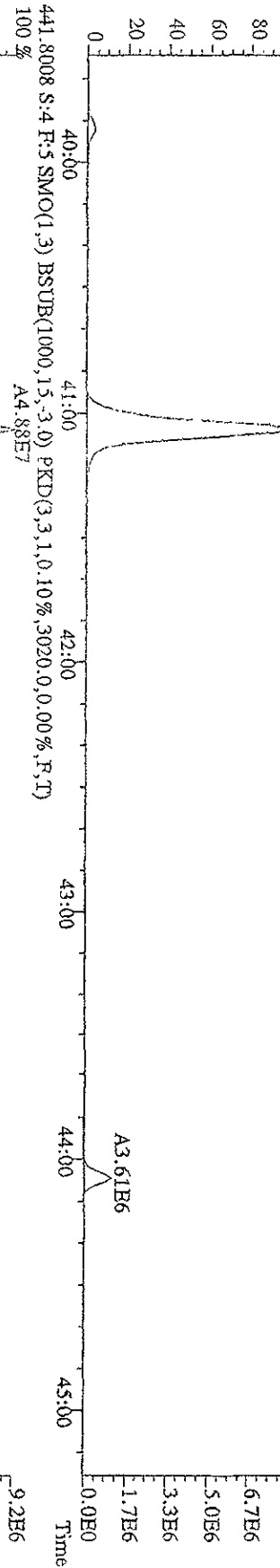
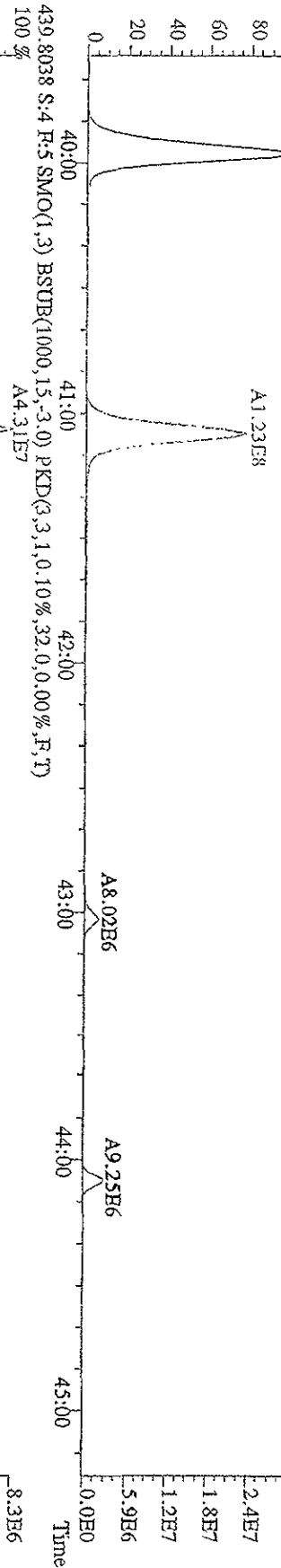
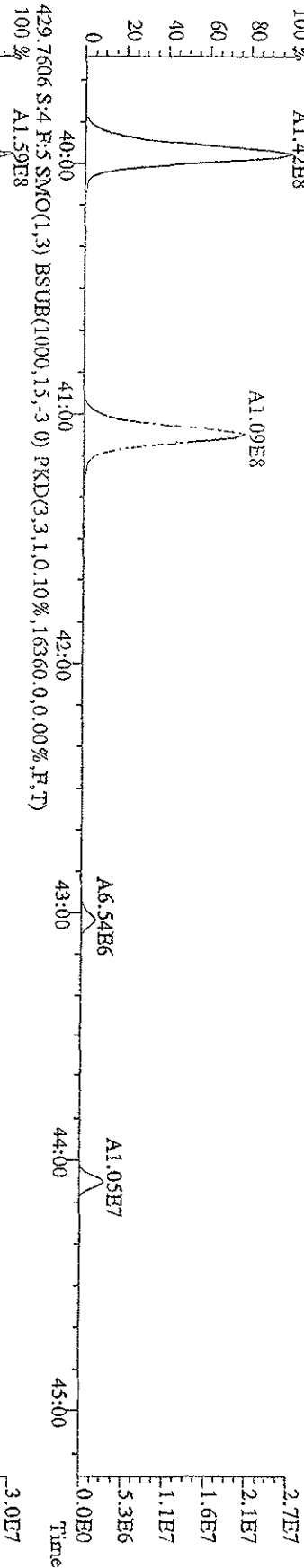


441.8008 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1112,0,0.00%,F,T)

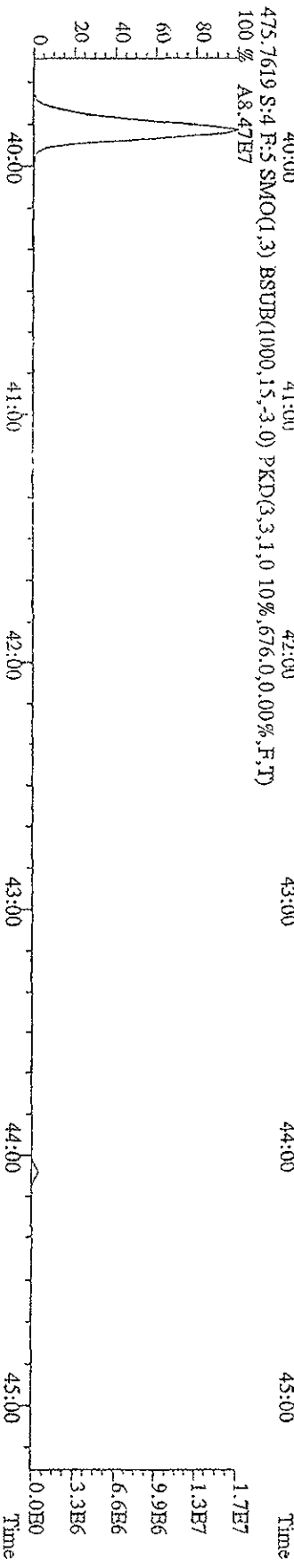
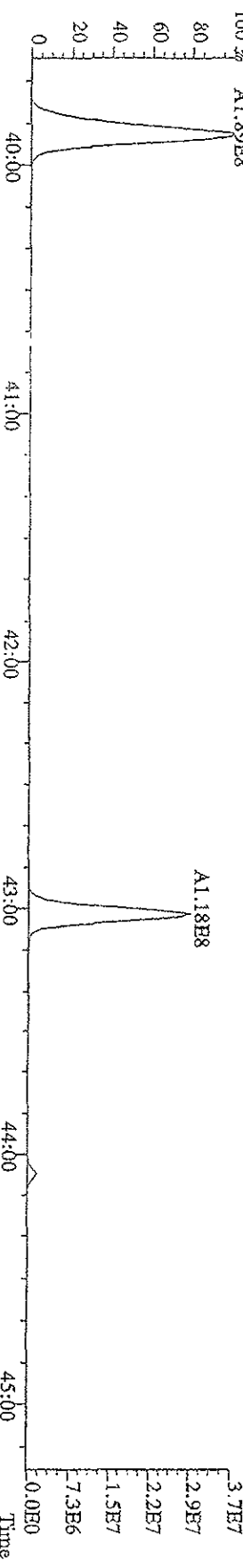
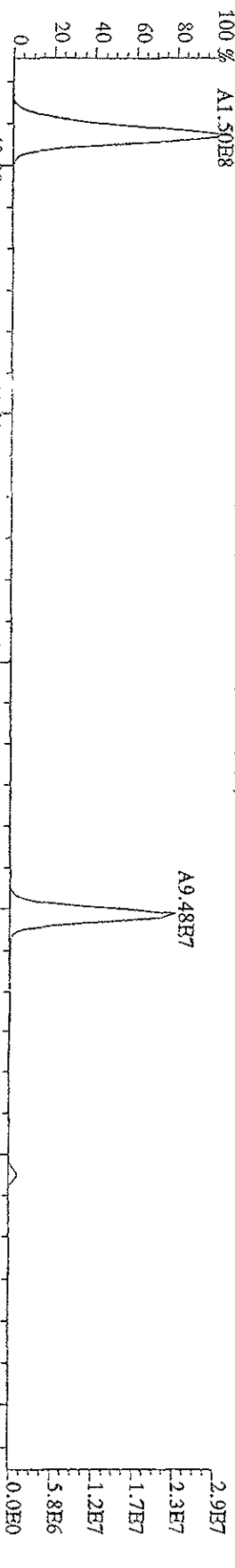




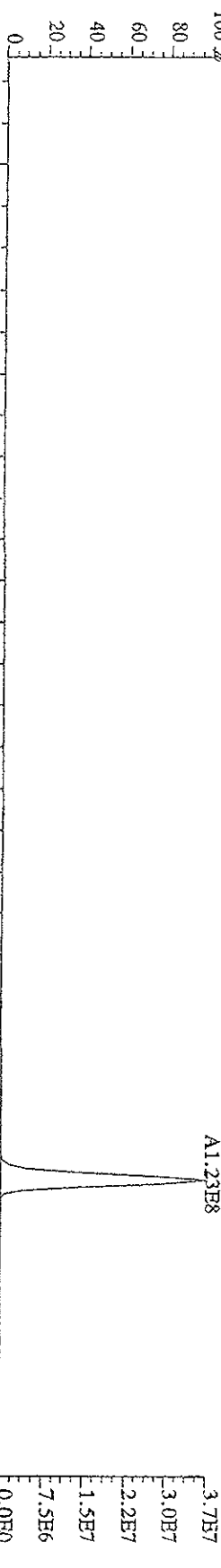
File:151A09D9DS #1-378 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage STR Autospec-UltimaE  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 427.7635 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,18184,0,0,00%,F,T)  
 100% A1.42E8



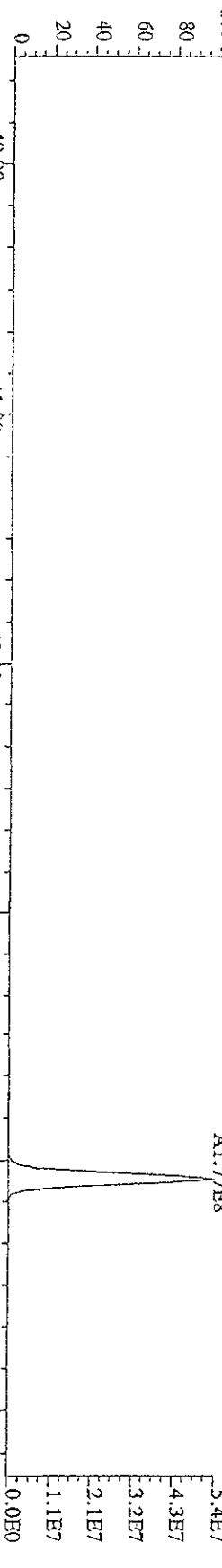
File: 15TA09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 463.7216 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2048,0,0,00%,F,T)  
 100% A1.89E8



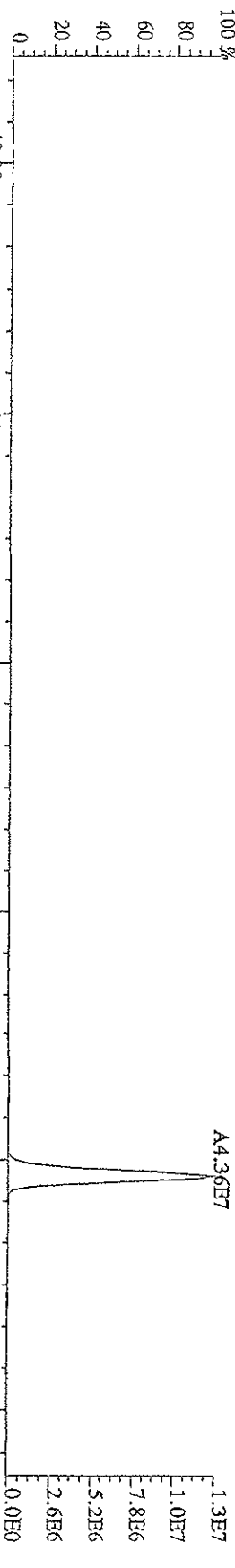
File:15IA09DD9D5 #1-378 Acq:15-JAN-2009 22:59.23 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
495.6856 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,408,0,0,0,0%,F,T)



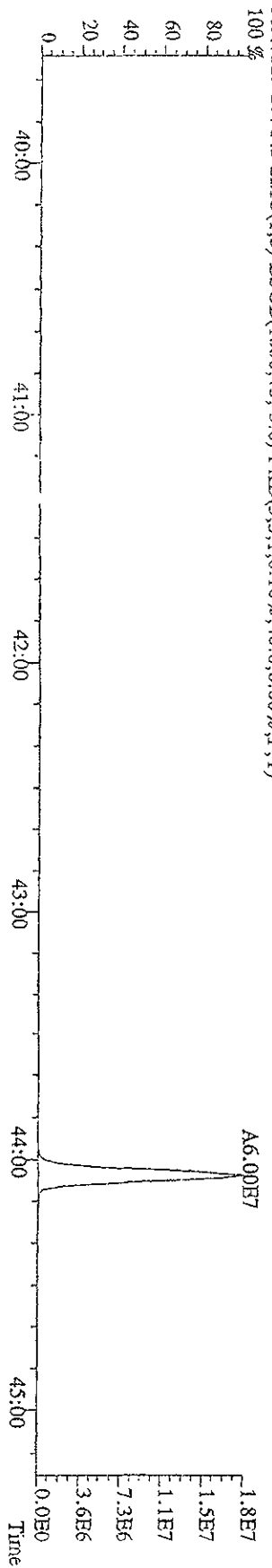
497.6826 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,396,0,0,0,0%,F,T)



507.7258 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,364,0,0,0,0%,F,T)

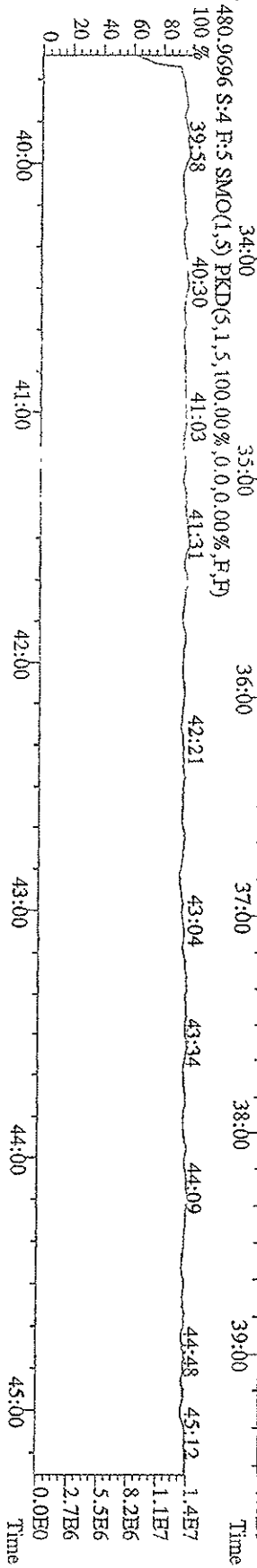
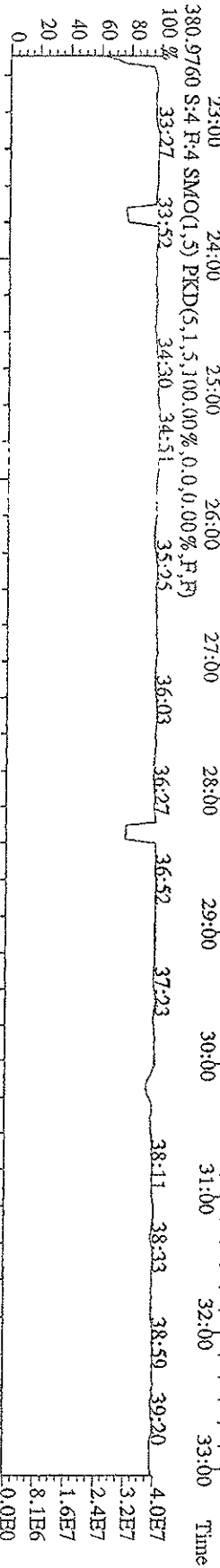
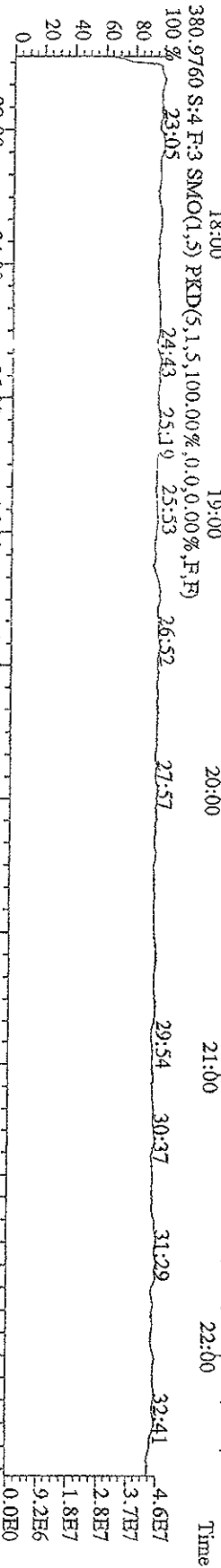
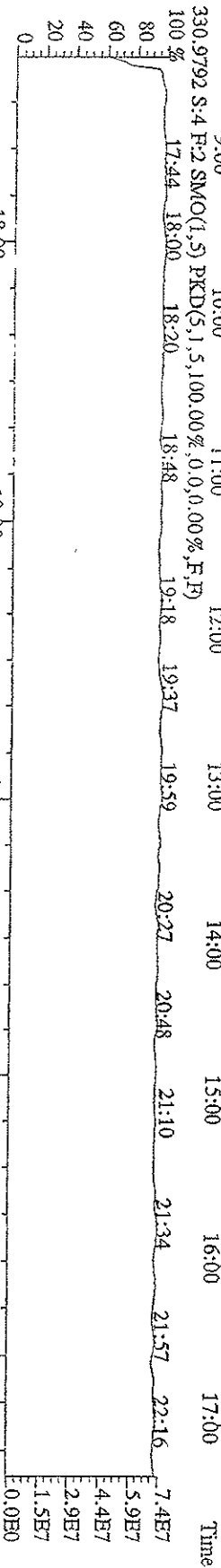
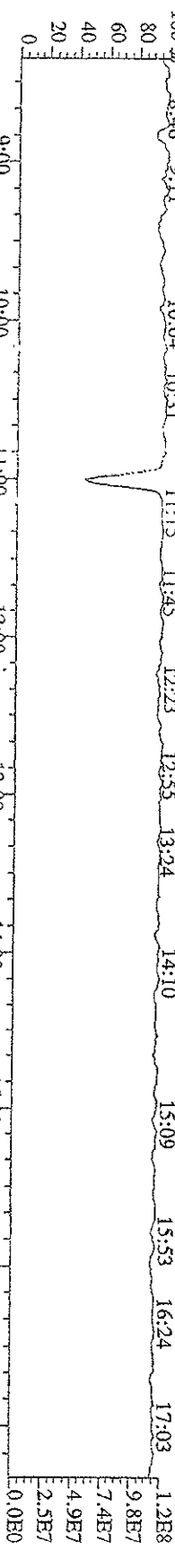


509.7229 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,40,0,0,0,0%,F,T)



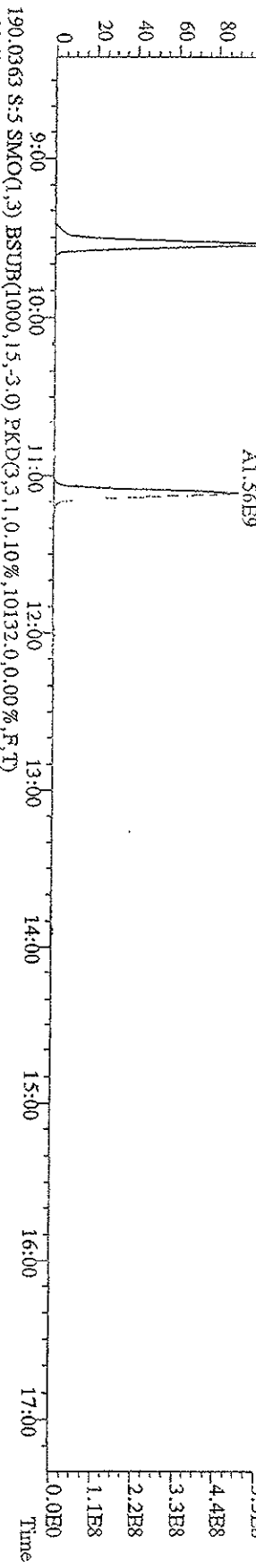
File: 151A09DD9D5 #1-609 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage STR Autospec-Ultimate

Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5

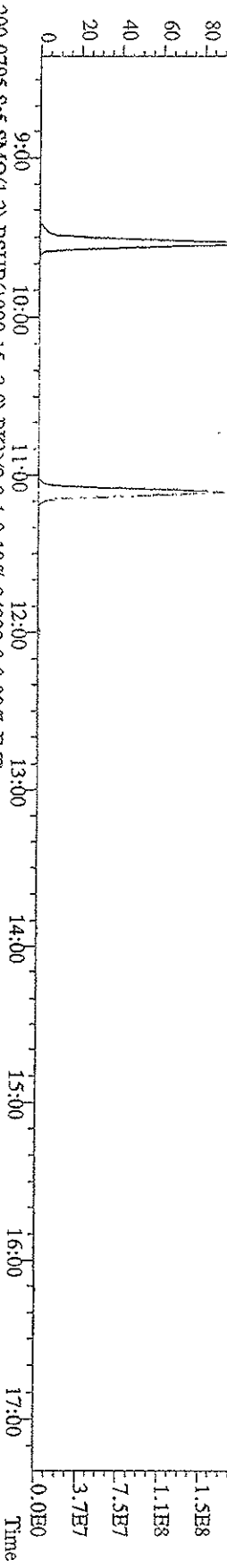


File:151A09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC HI+ Voltage SIR Autospec-UHmah  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5

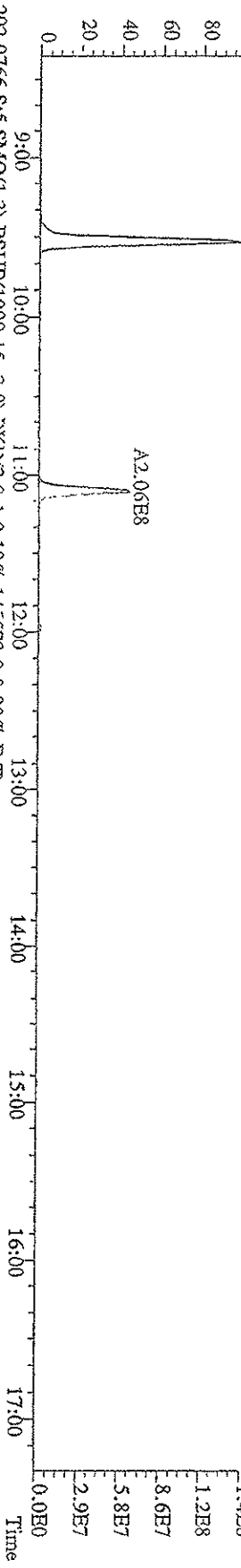
188.0393 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10132,0,0,00%,F,T)  
 100% A1.85F9



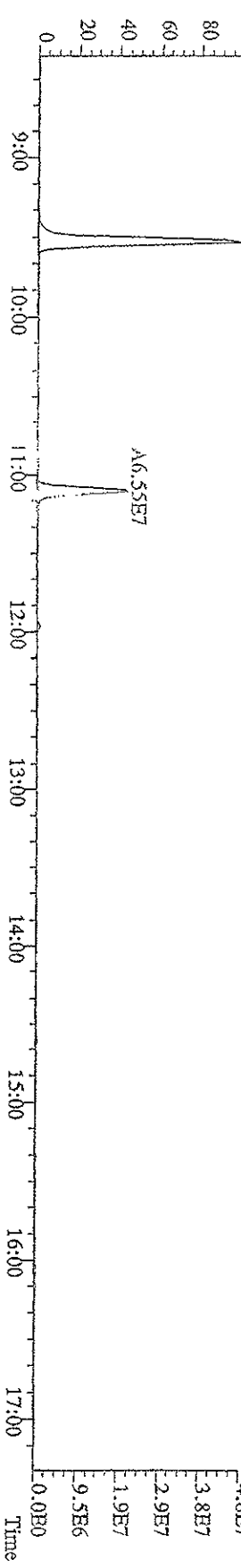
190.0363 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10132,0,0,00%,F,T)  
 100% A6.16E8



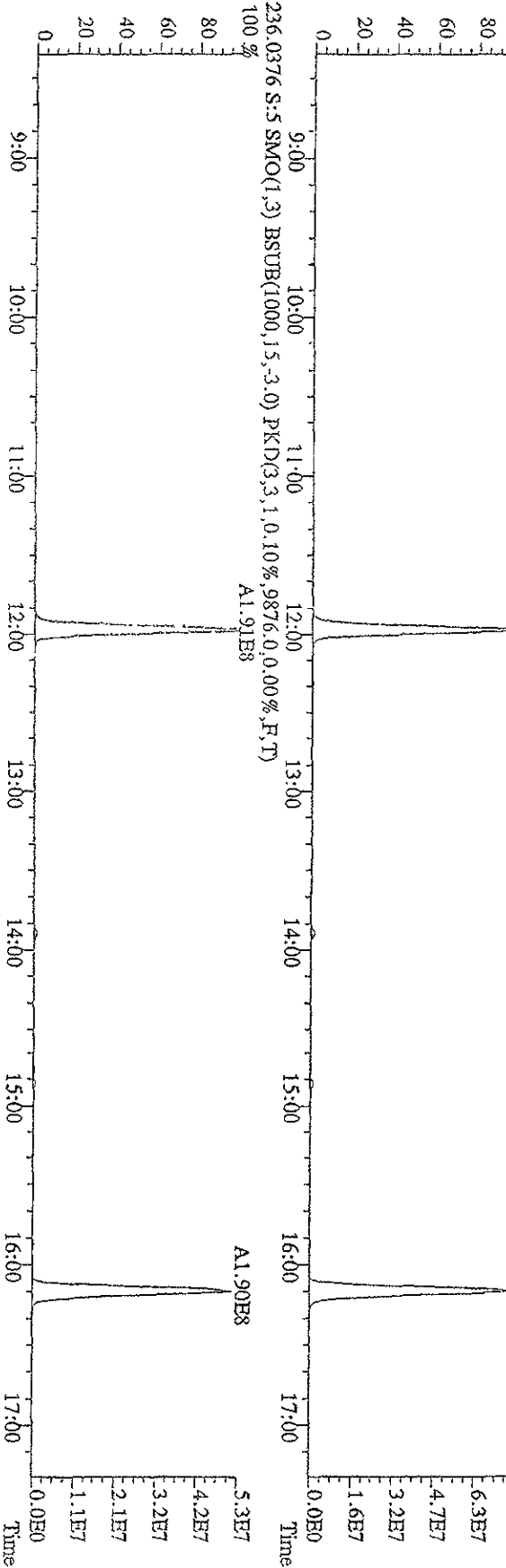
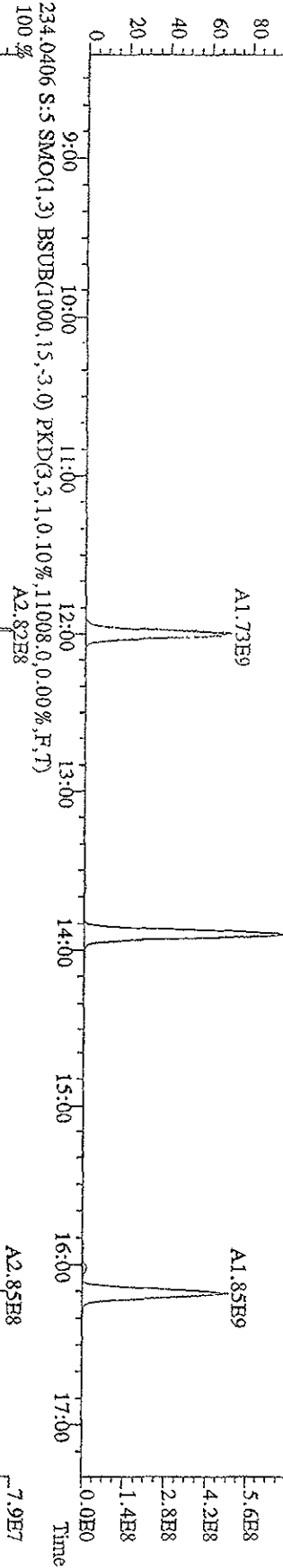
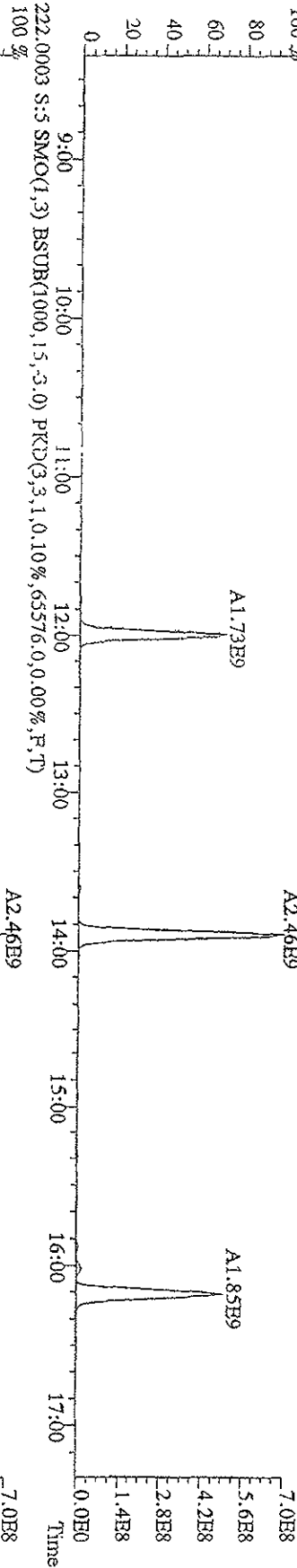
200.0795 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,24332,0,0,00%,F,T)  
 100% A4.67E8



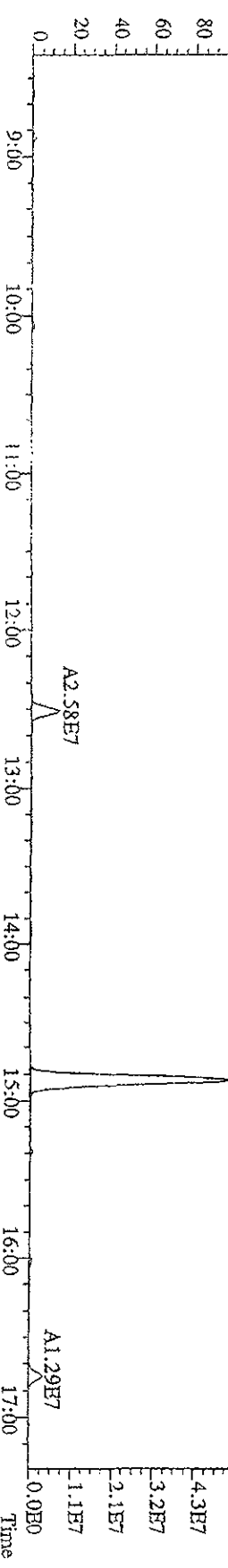
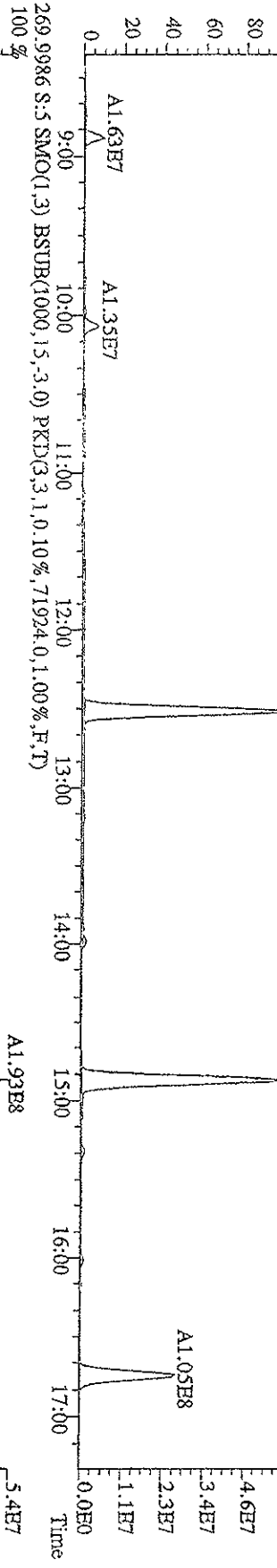
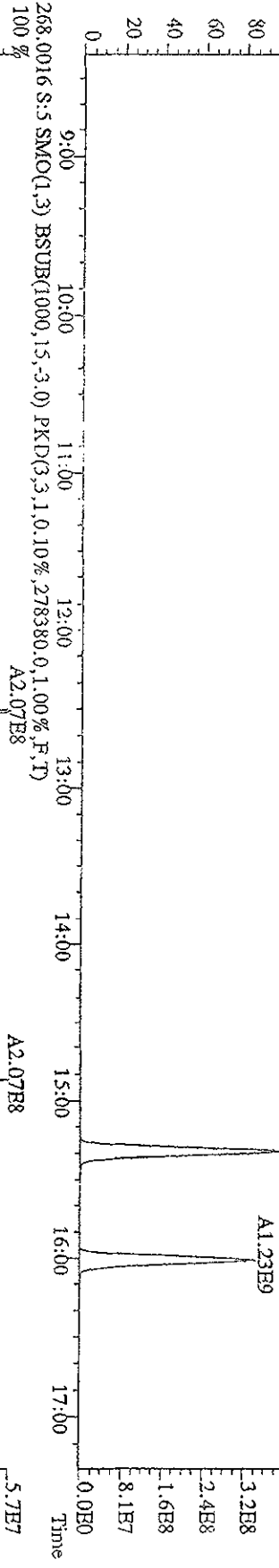
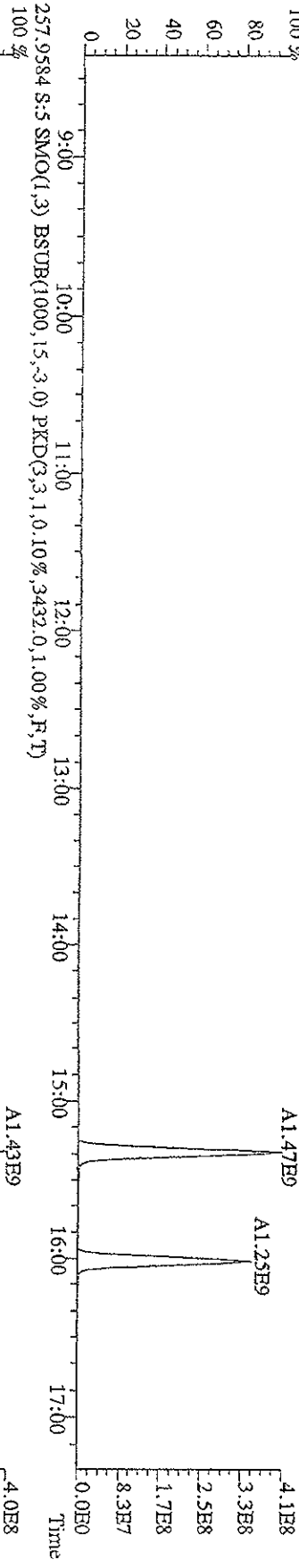
202.0766 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,145572,0,0,00%,F,T)  
 100% A1.56E8



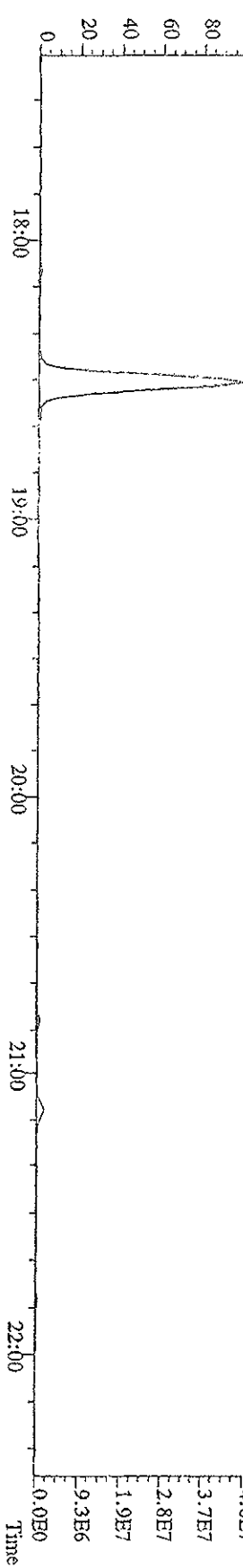
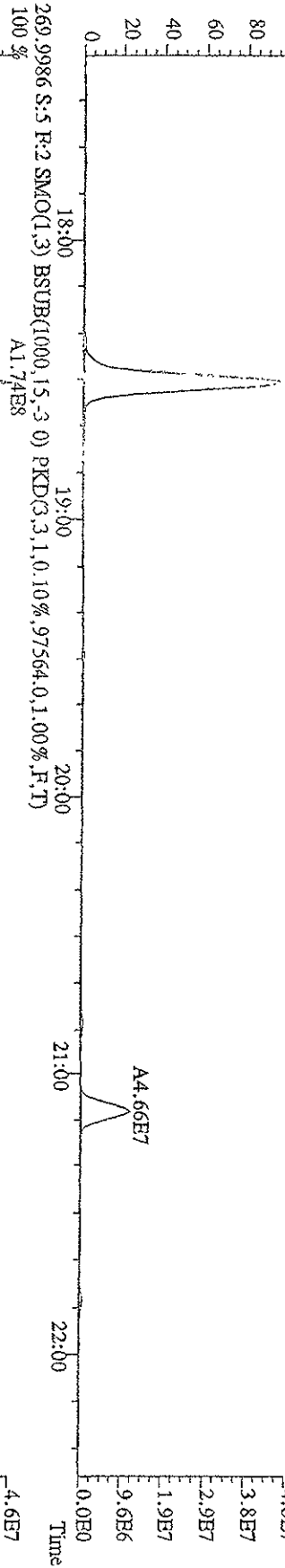
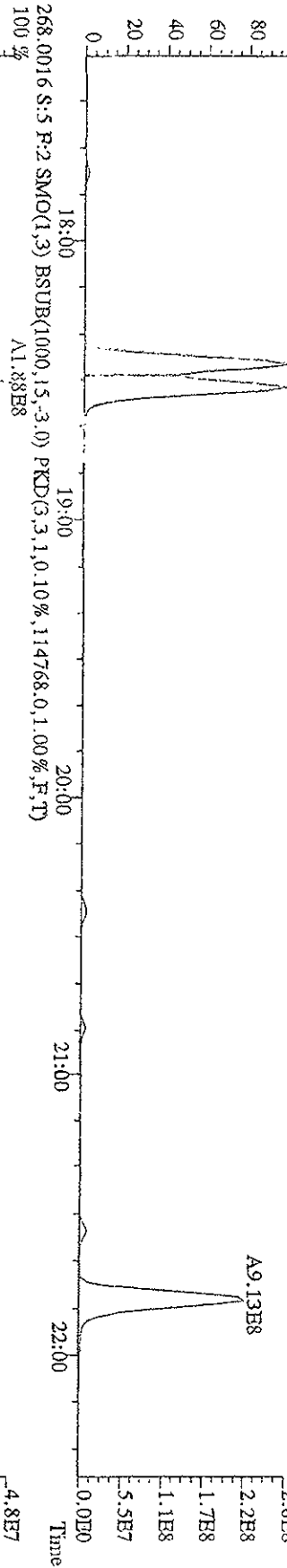
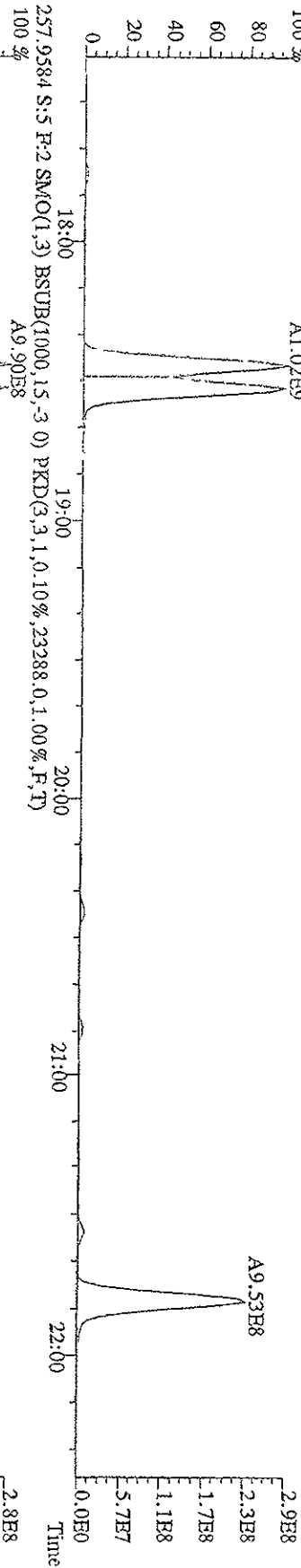
File:15IA09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC HF+ Voltage SFR Autospec-UHmateE  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 222.0003 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,65576,0,0,00%,F,T)



File:15TA09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 255,9613 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6440,0,1,00%,F,T)



File: 15JA09D9D5 #1-371 Acq: 15-JAN-2009 23:50:45 GC E1+ Voltage STR Autospec-DitmaB  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp: 209DB5  
 255.9613 S:5 F:2 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,30152,0,1,00%,F,T)  
 100 % A1.02E9

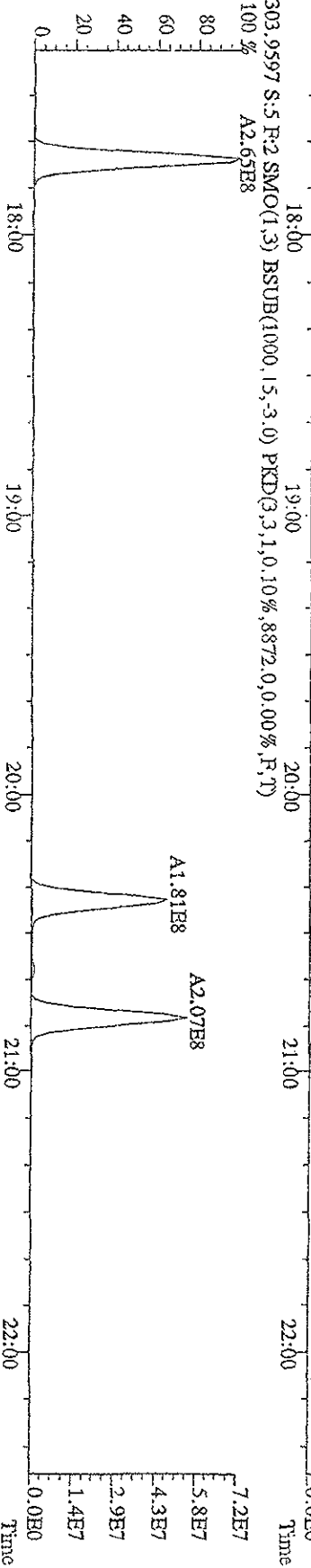
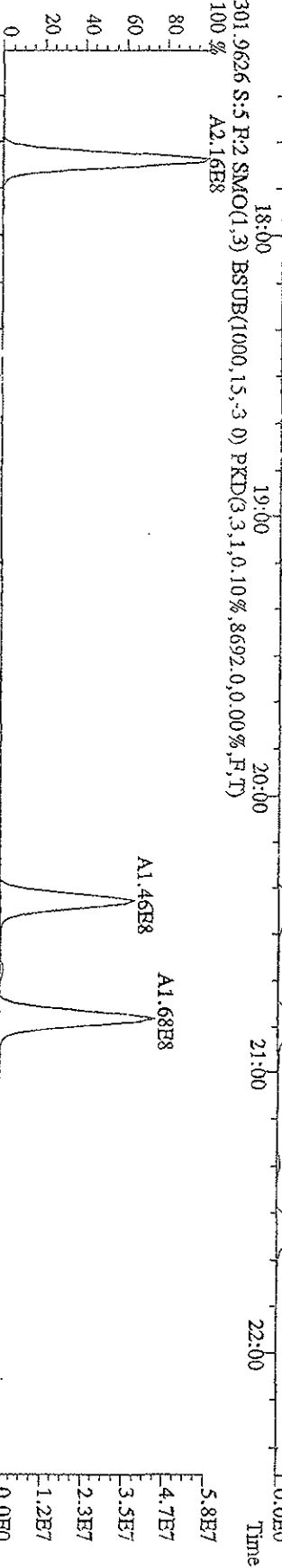
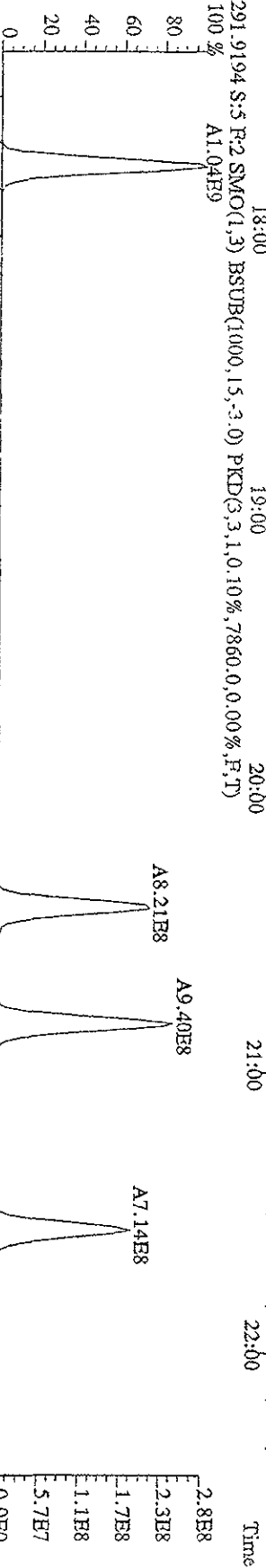
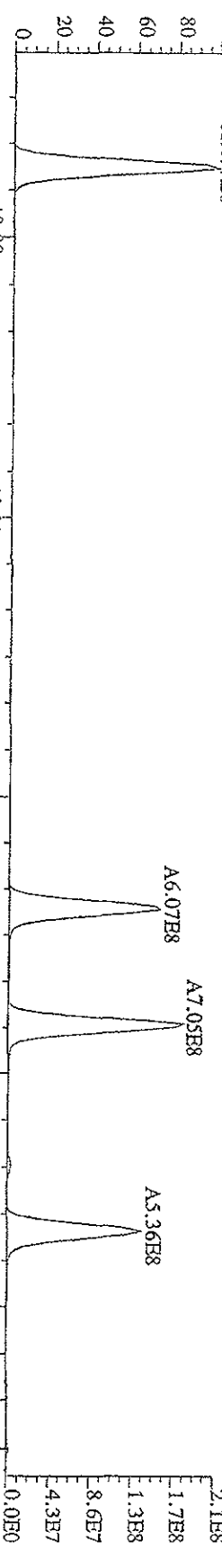




File: 15TA09D9D5 #1-371 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage 51K Autospec-Ultimat

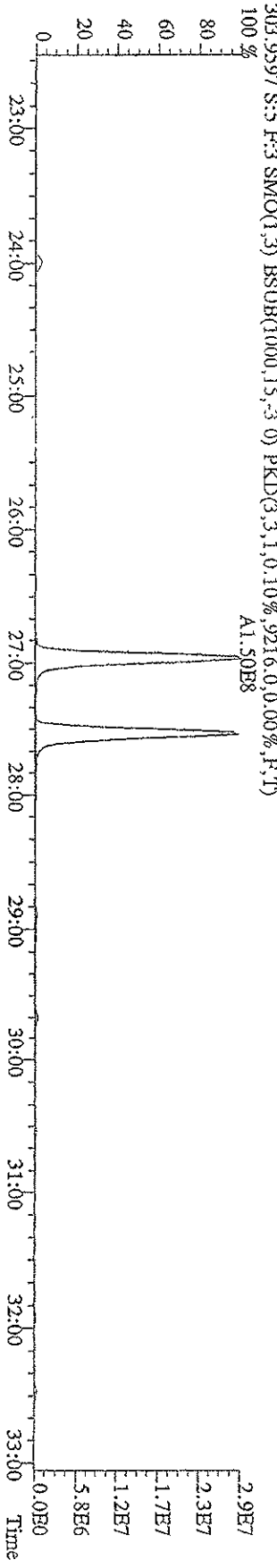
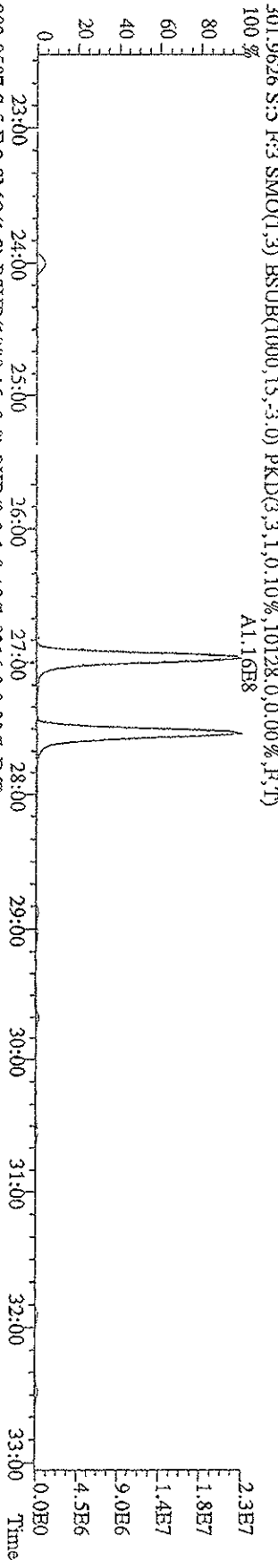
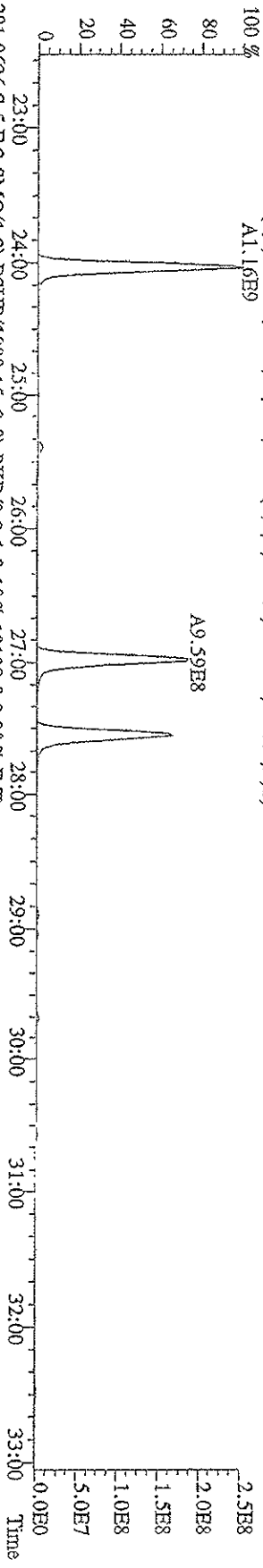
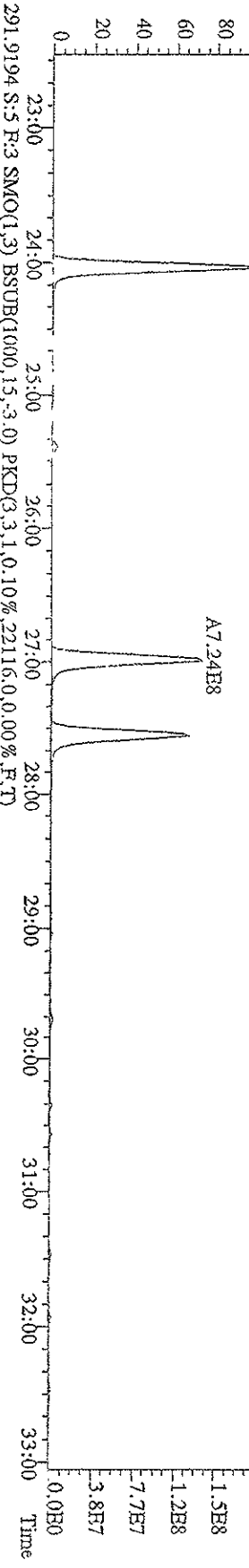
Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5

289.9224 S-5 F-2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6504,0,0,00%,F,T)

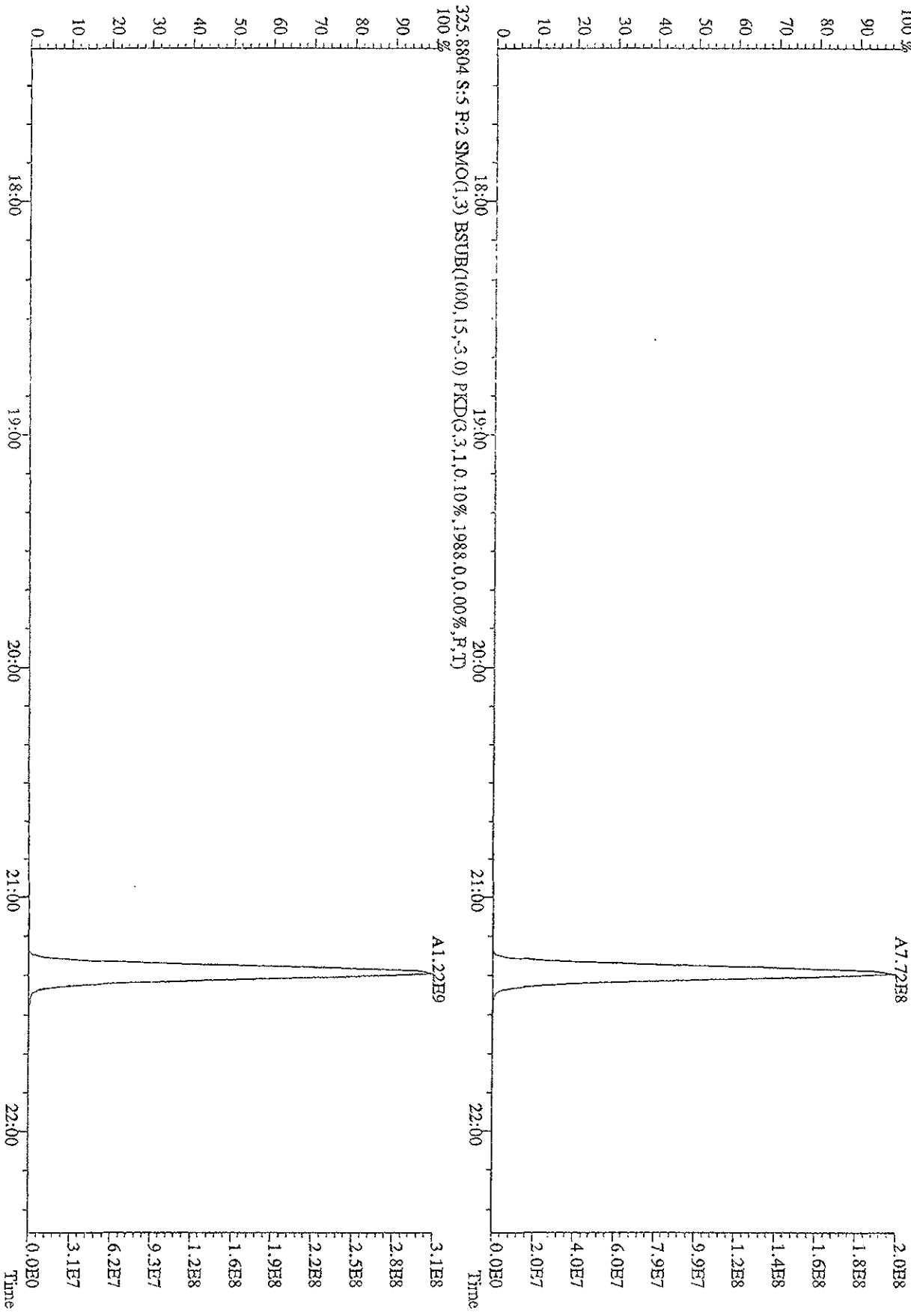


File:151A09D9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage:51V Autospec-Ultimate

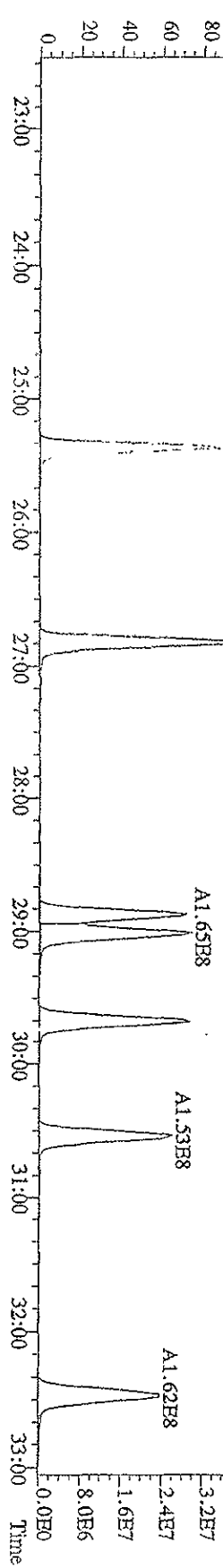
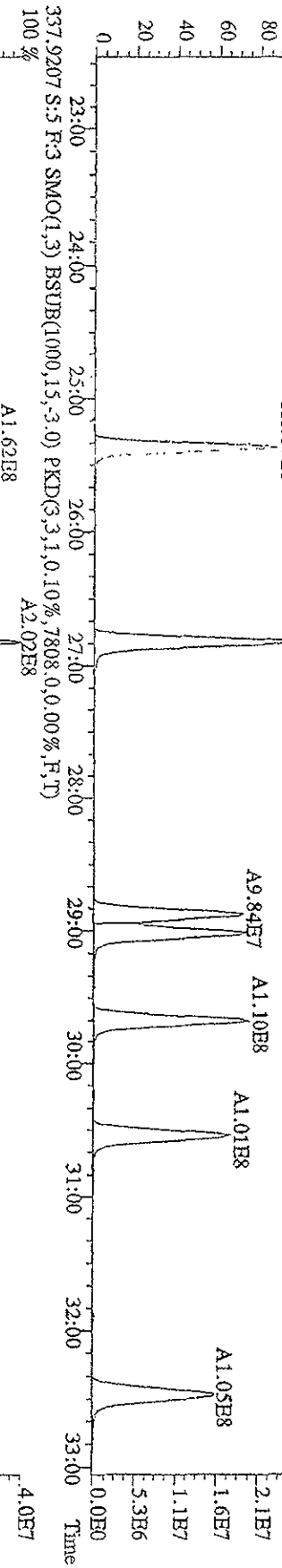
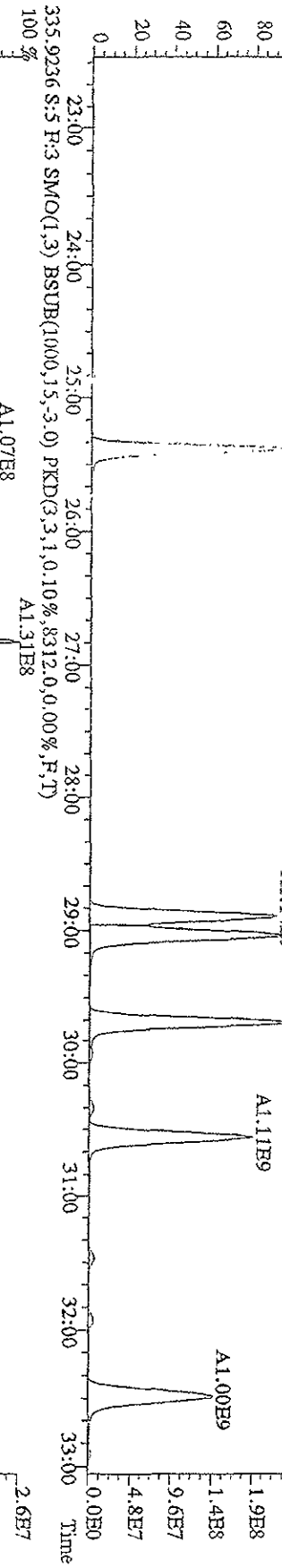
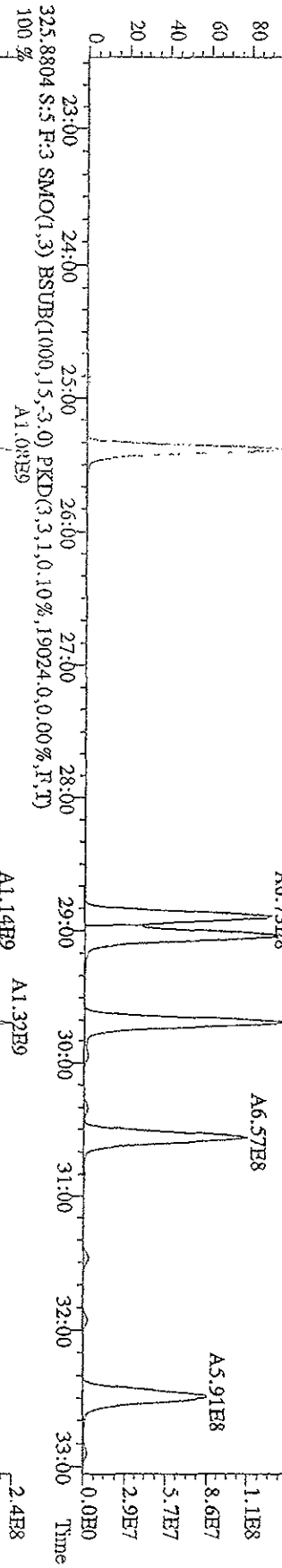
Sample#5 Text:ST011SD :CSS 09DXN018 Exp:209DB5



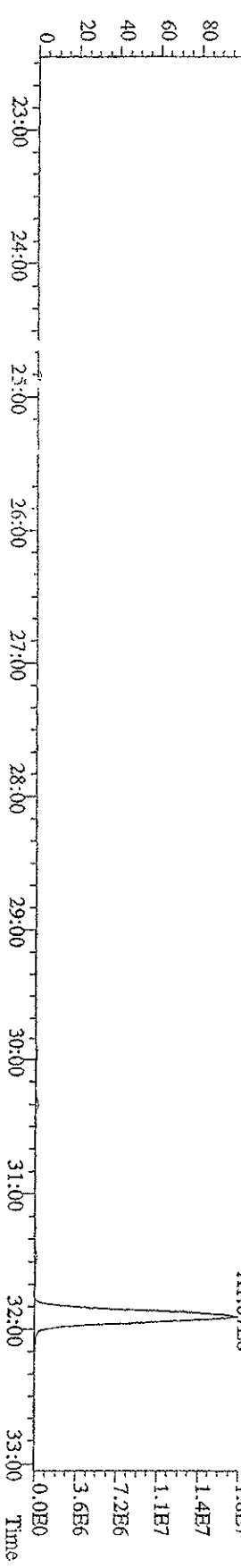
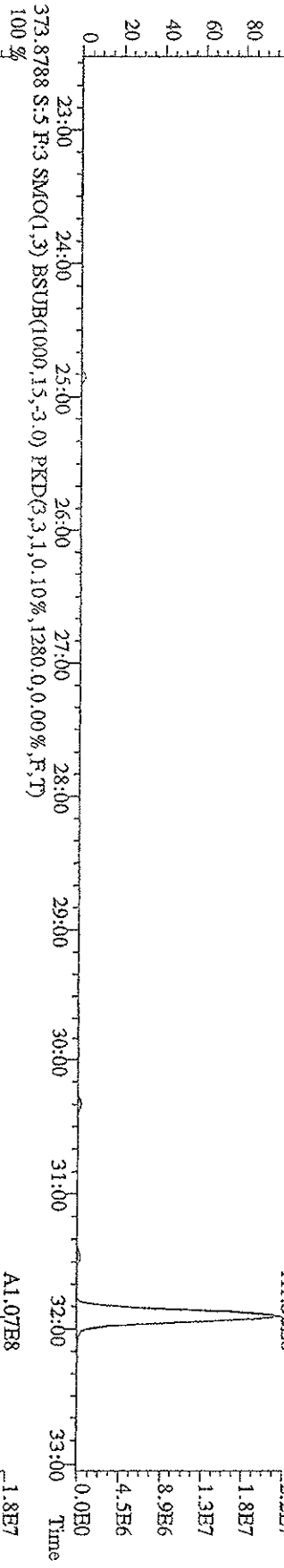
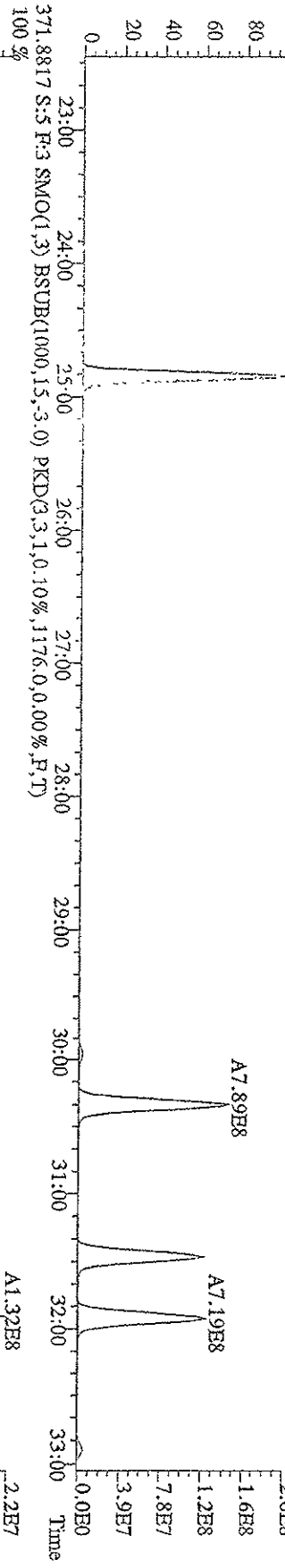
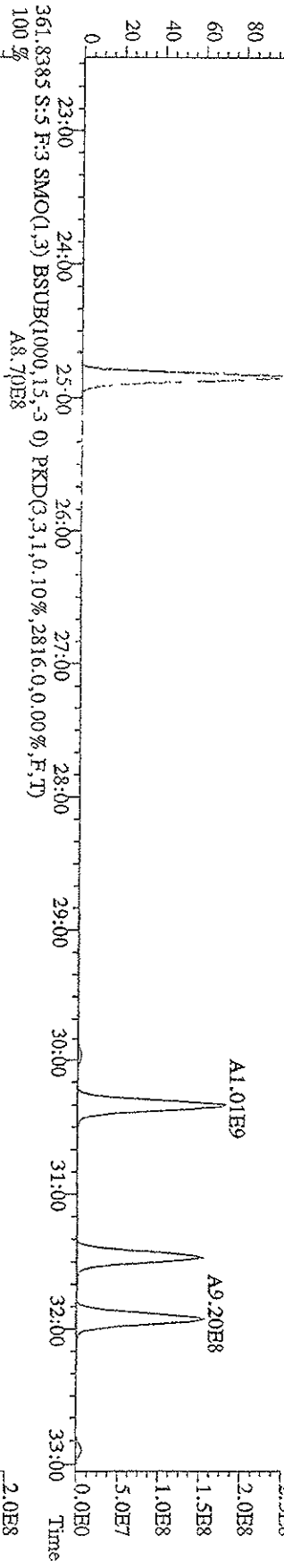
File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 23:50:45 GC BI+ Voltage SIR Autospec-UltimaB  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 325.8804 S:5 F:2 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,3,1,0,10%,1988,0,0,00%,F,T)  
 325.8804 S:5 F:2 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,3,1,0,10%,2580,0,0,00%,F,T)



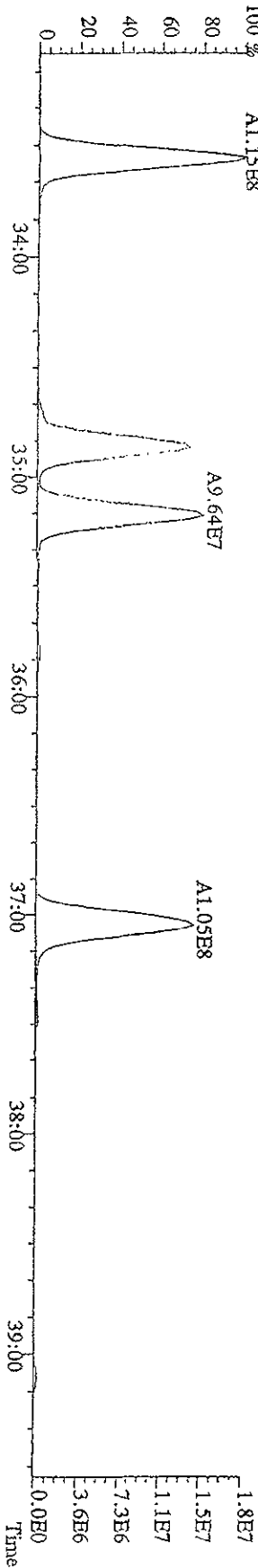
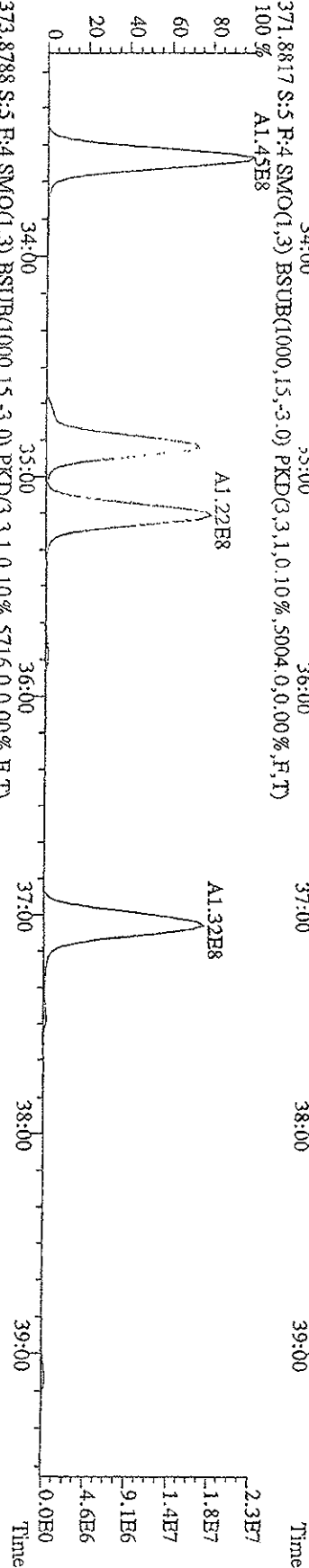
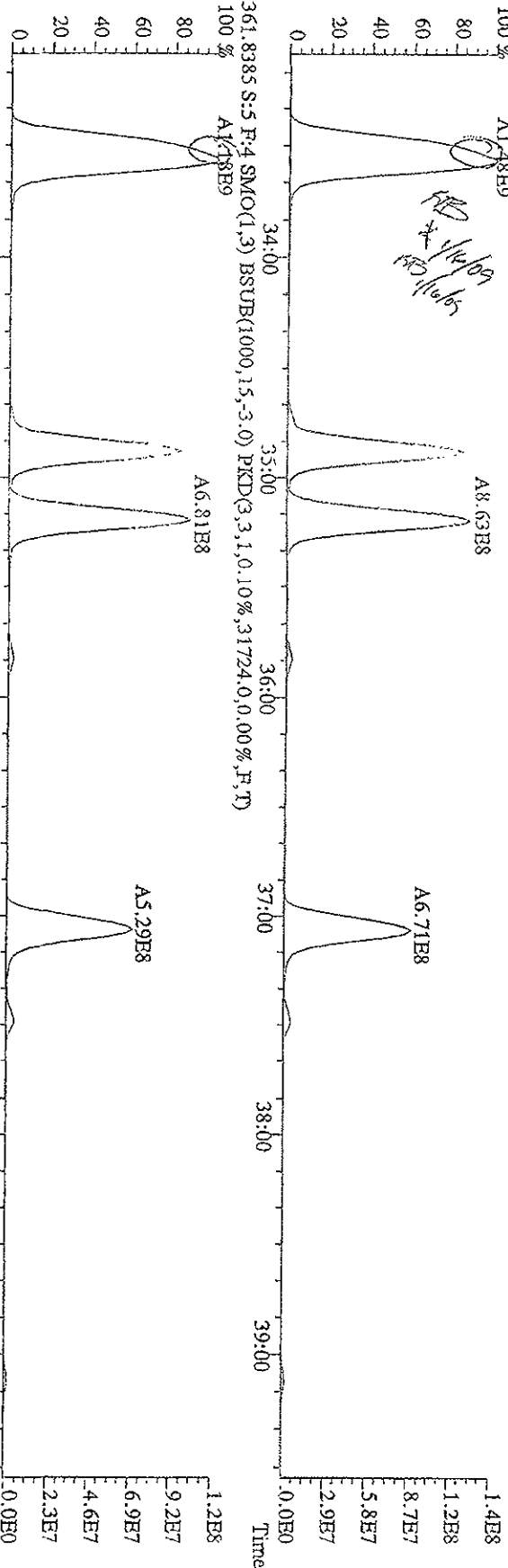
File:151A09D9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 323.8834 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7552,0,0,00%,F,T)



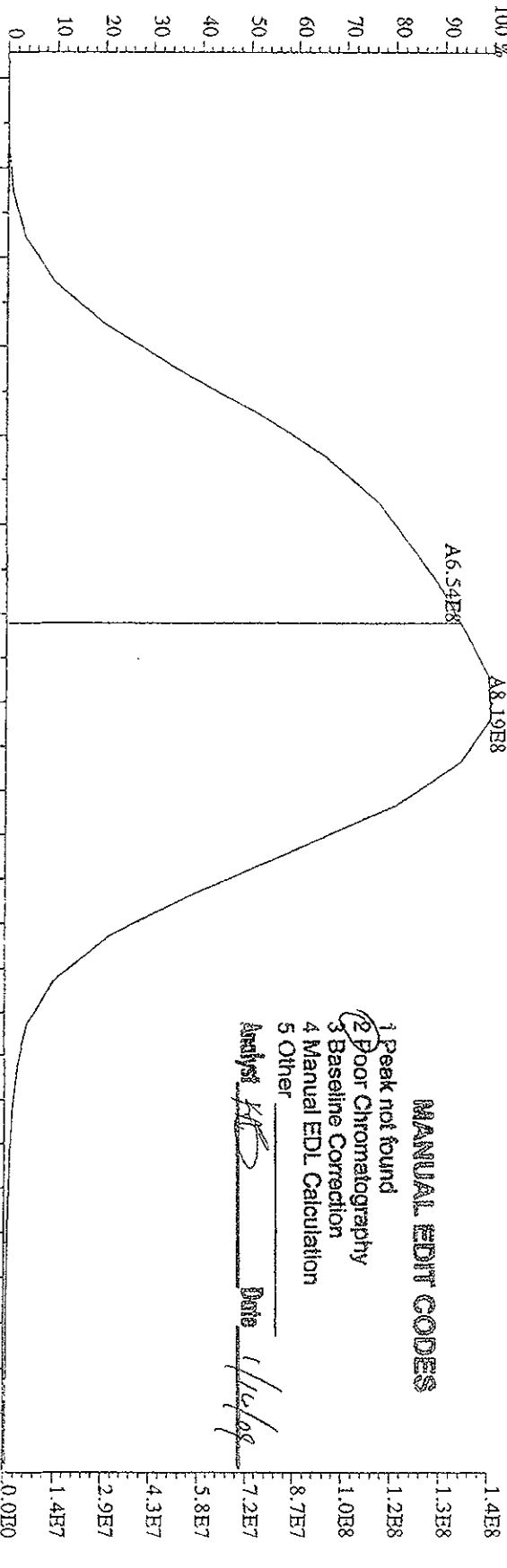
File:15IA09D9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UltraE  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 359.8415 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2788.0,0.00%,F,T)  
 100% A1.12E9



File:151A09D9D5 #1-395 Acq:15-JAN-2009 23:50:45 GC BI + Voltage SIR Autospec-UHmanB  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,452220,0,0,00%,F,T)  
 100% A1.48E9



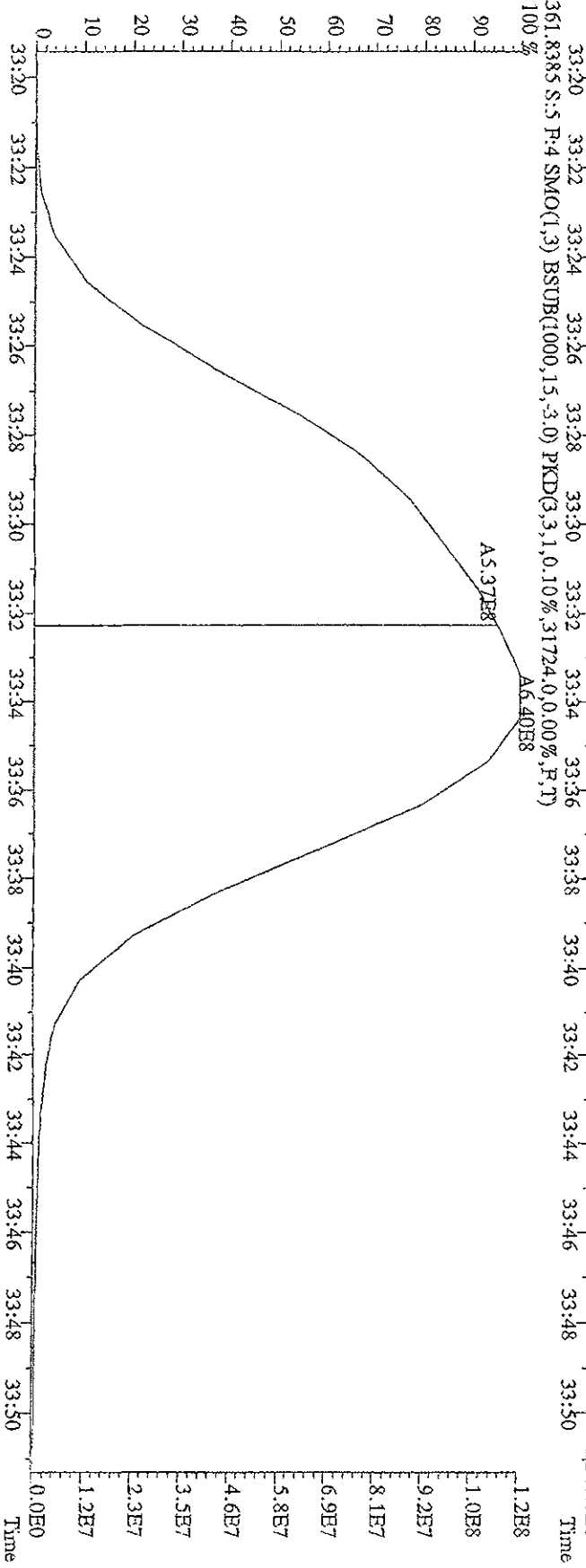
File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST0115D :CS: 09DXN018 Exp: 209DB5  
 359.8415 S: 5 F: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,45220,0,0,00%,F,T)  
 100%



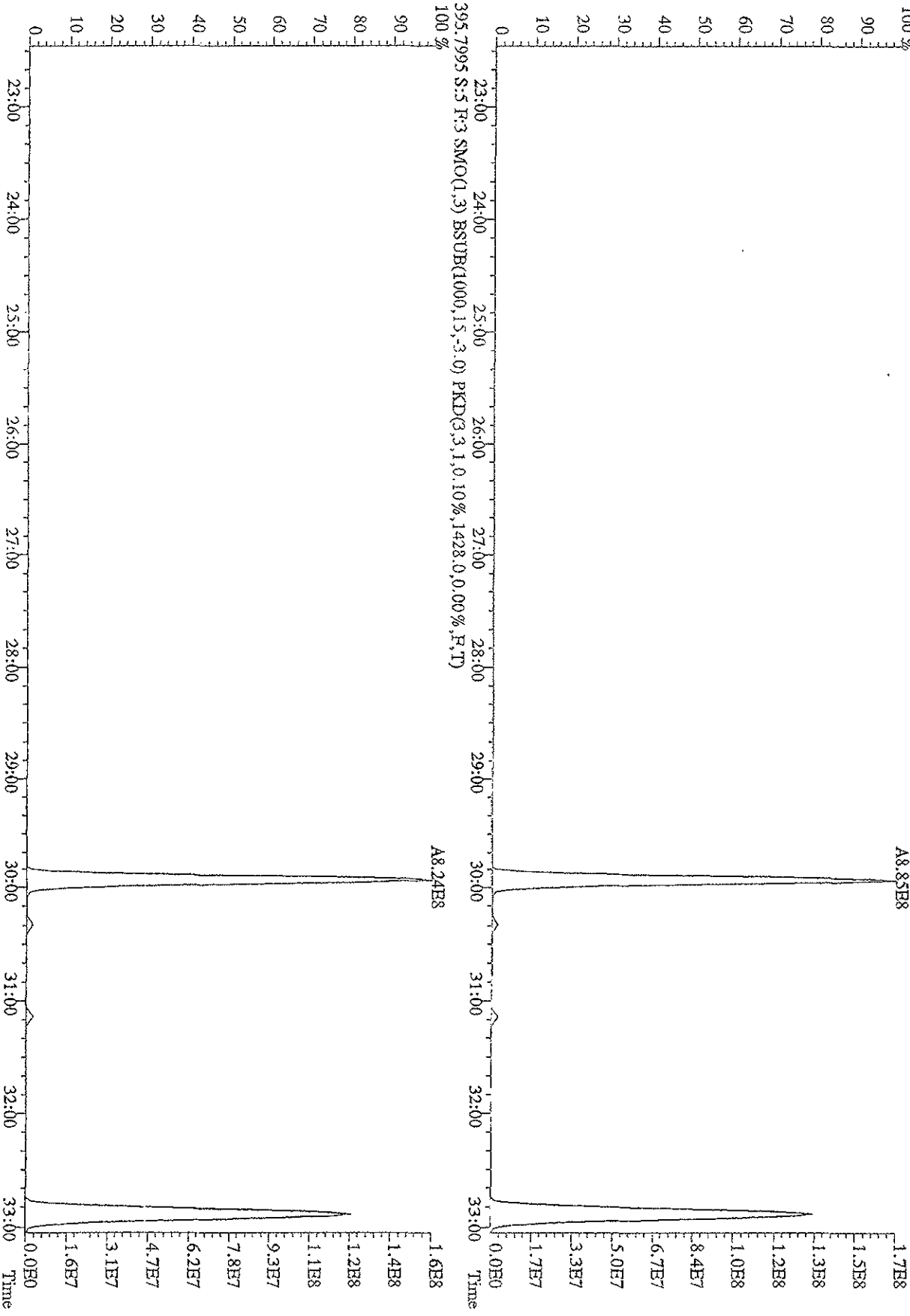
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst KTB Date 1/16/09



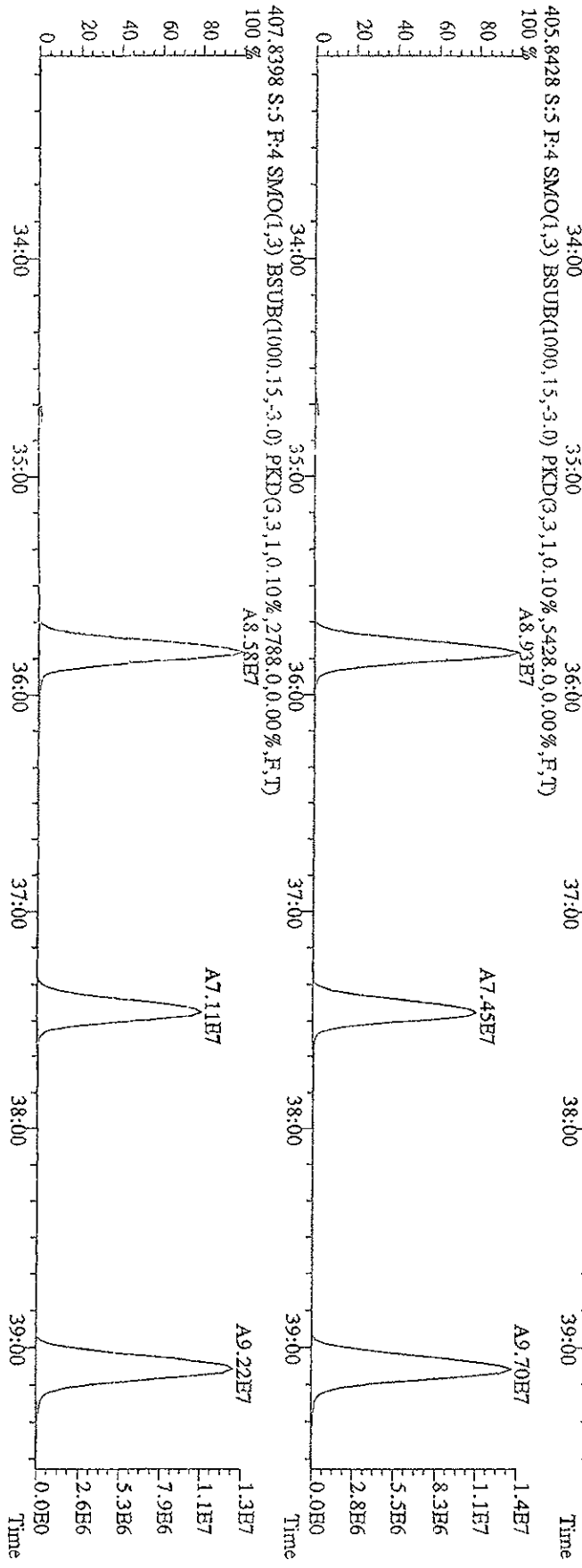
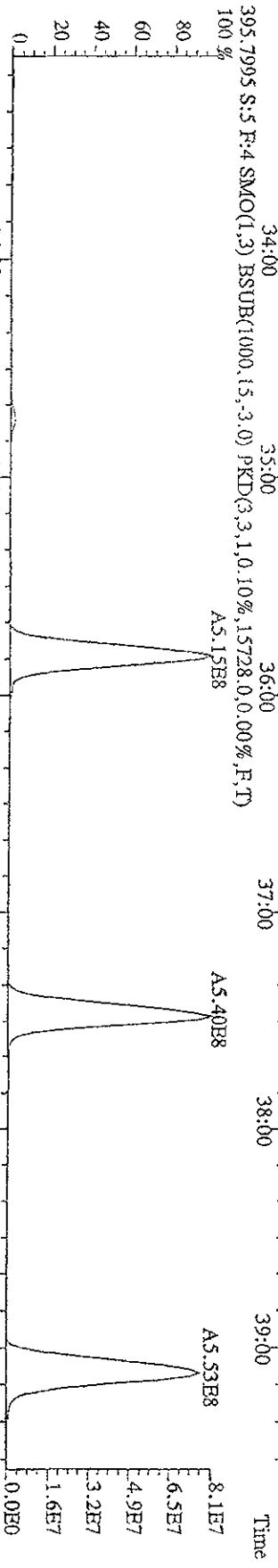
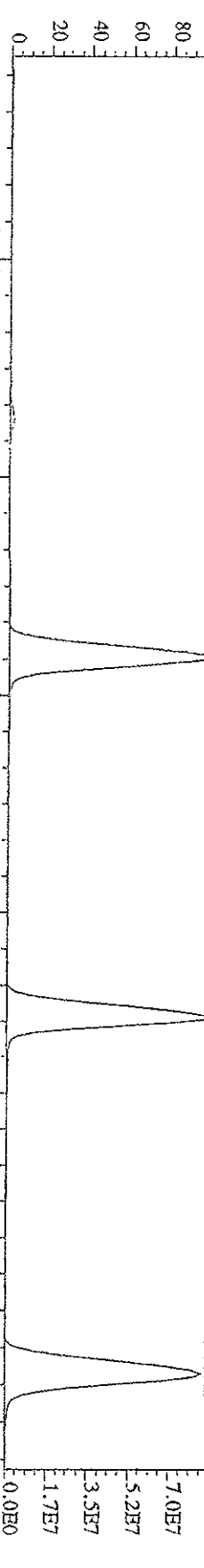
Title: 151A09DD9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC HF+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 393.8025 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1428,0,0,00%,F,T) 100%





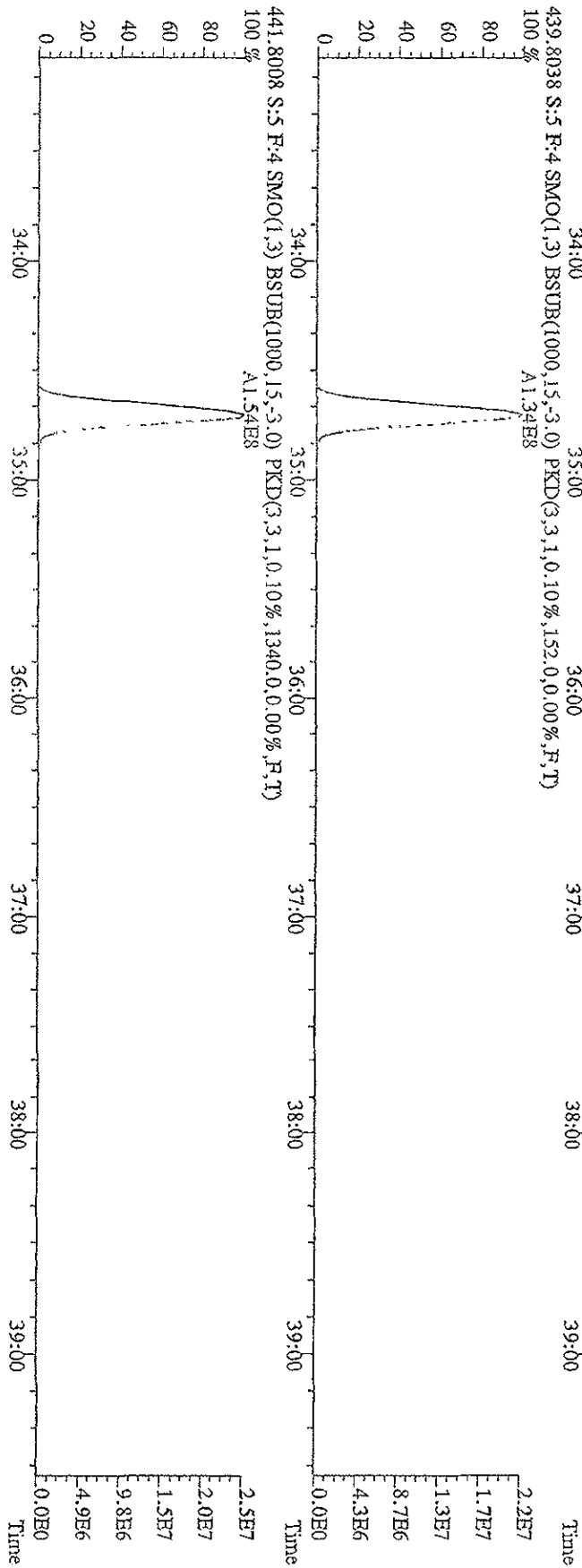
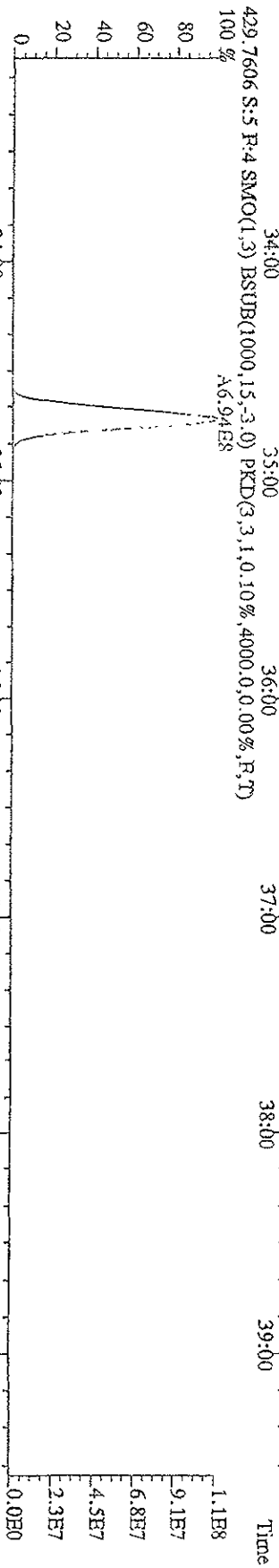
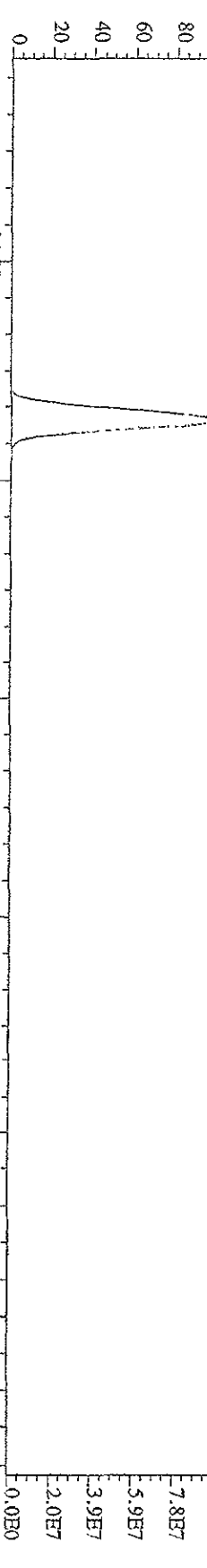
File:151A09D9D5 #1-395 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage:50V Autospec-Ultimate

Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5

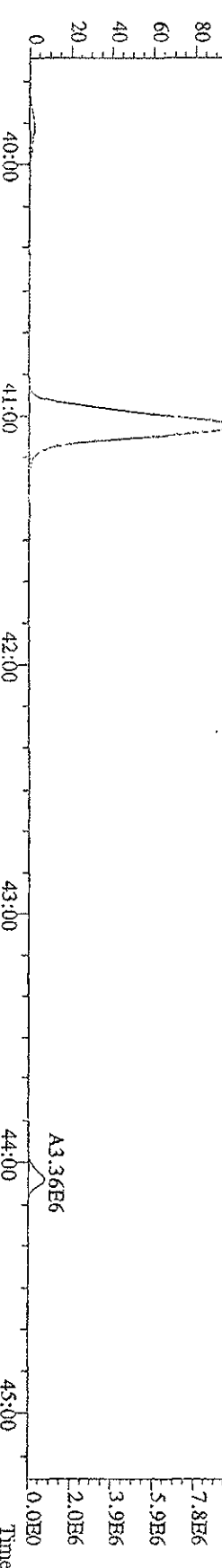
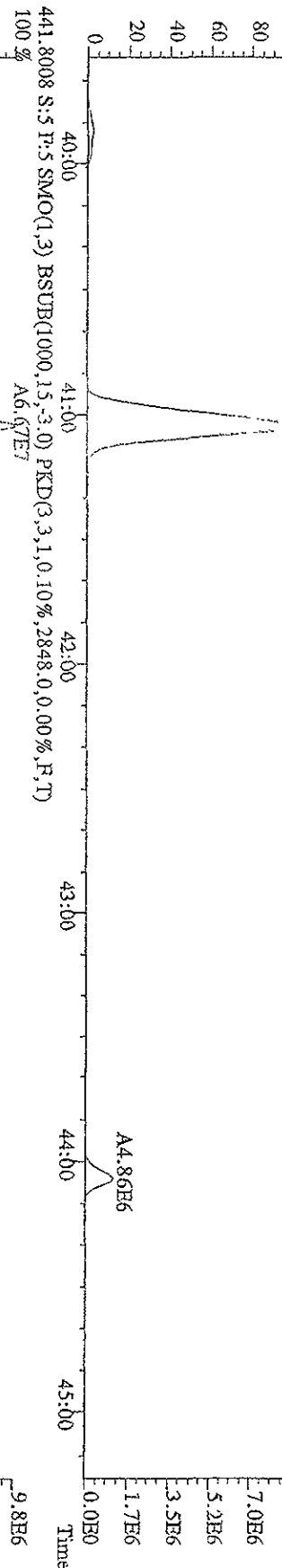
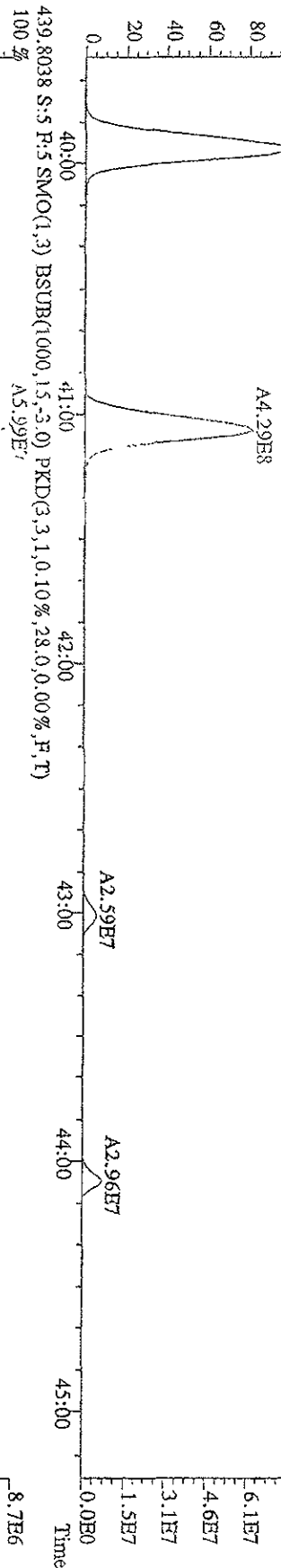
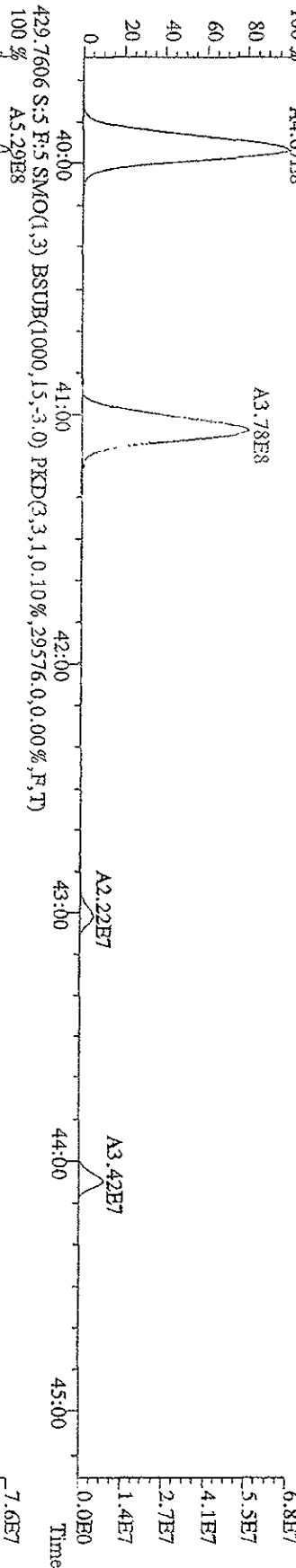


File:151A09D9D5 #1-395 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UltimaE

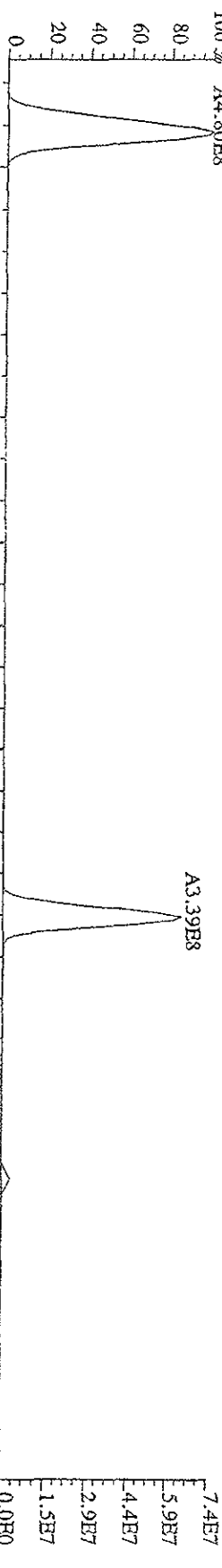
Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5



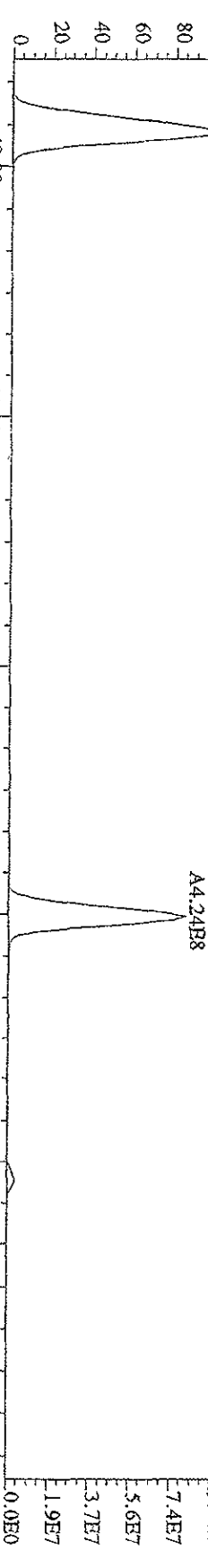
File:151A09DD9D5 #1-378 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 429.7606 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,29576,0,0,00%,F,T)  
 100% A4.29E8



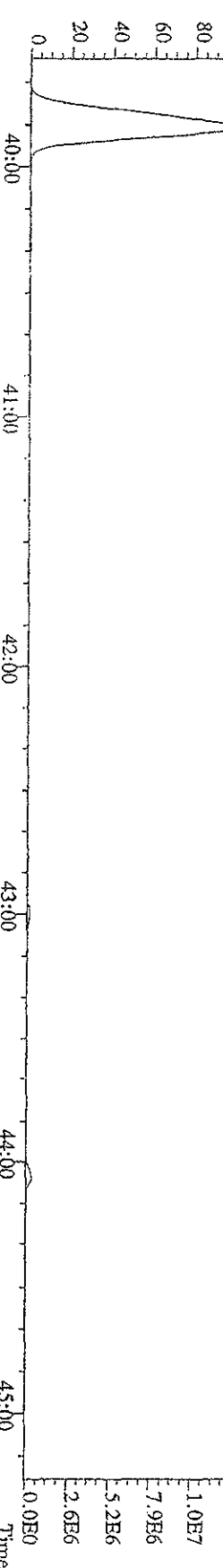
File:151A09D9D5 #1-378 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage STR Autospec-UltimaB  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 461.7245 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3072.0,0.00%,F,T)  
 100% A4.80E8



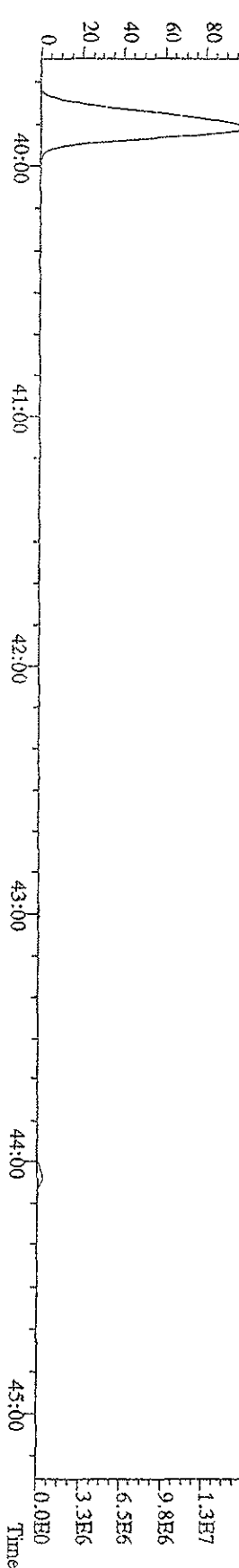
463.7216 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4148.0,0.00%,F,T)  
 100% A6.06E8



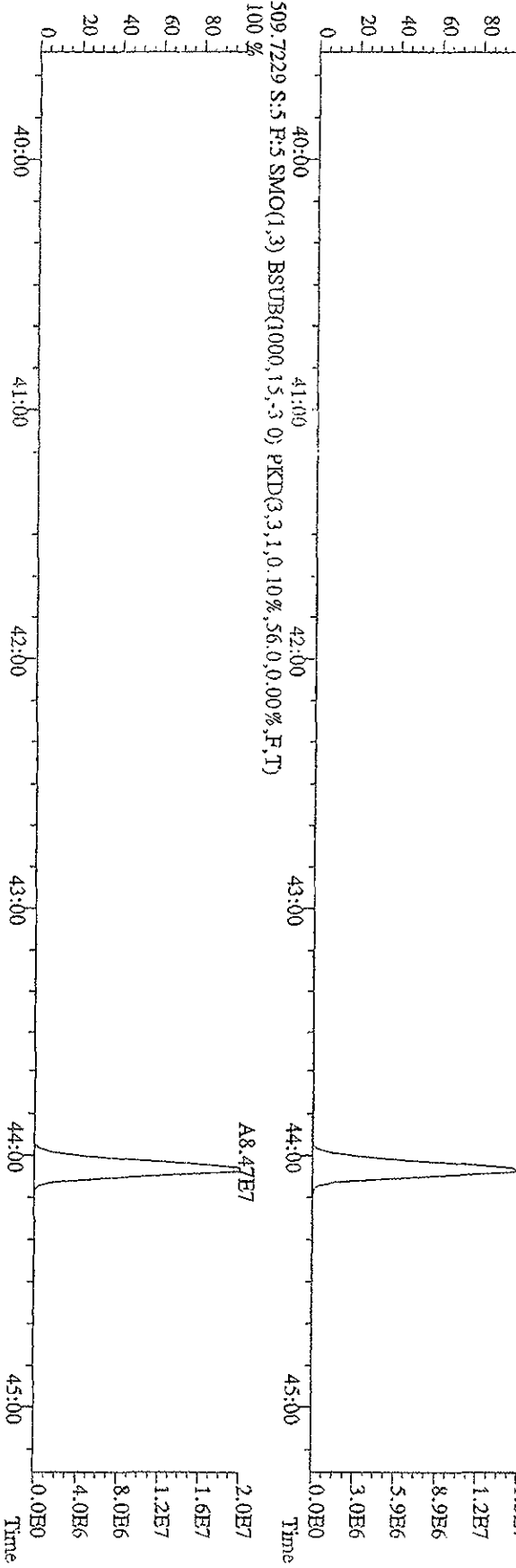
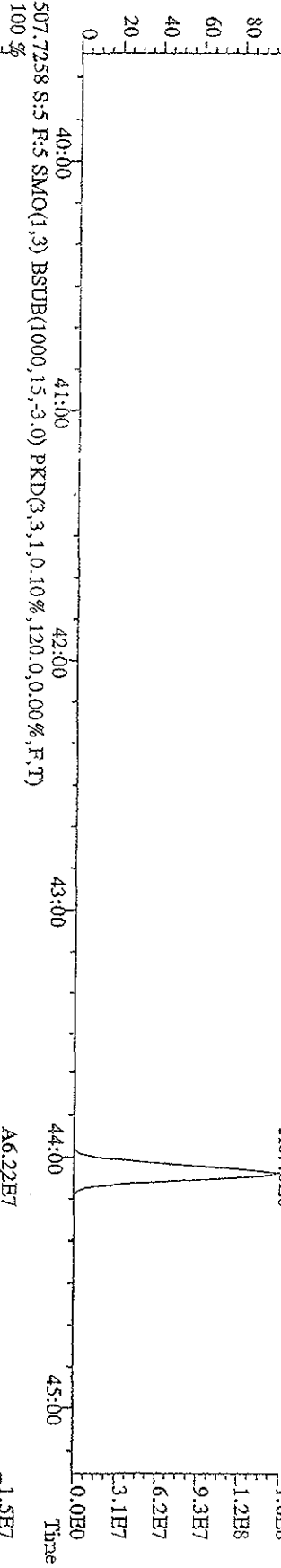
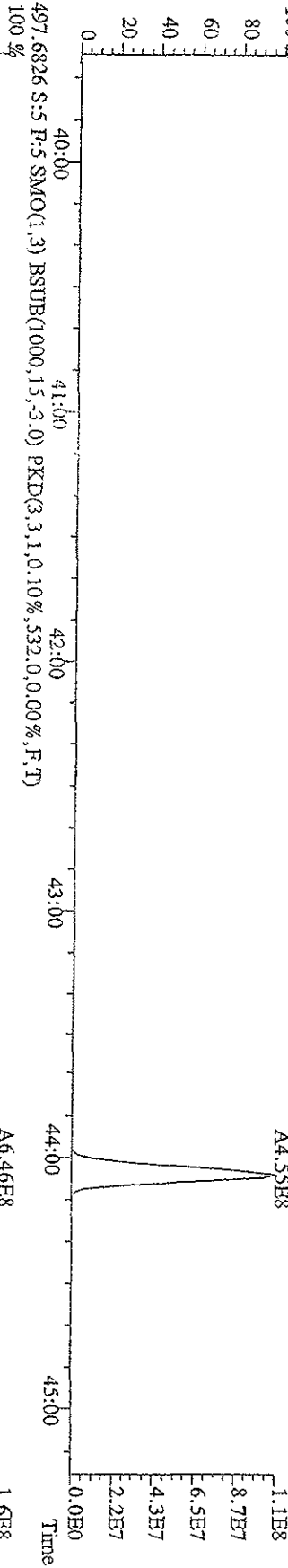
473.7648 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,472.0,0.00%,F,T)  
 100% A8.51E7



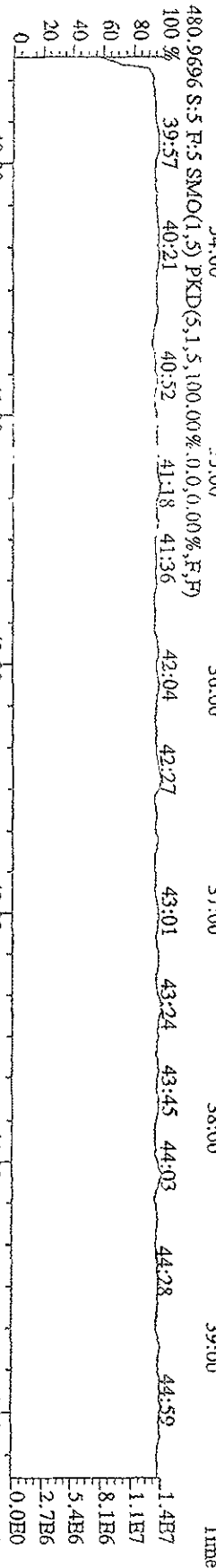
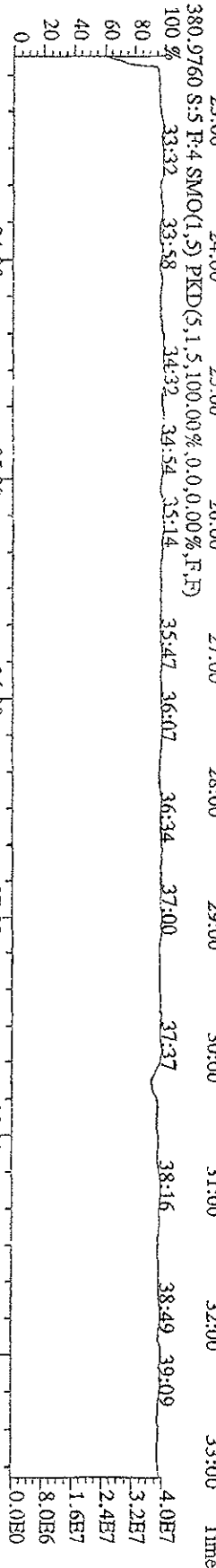
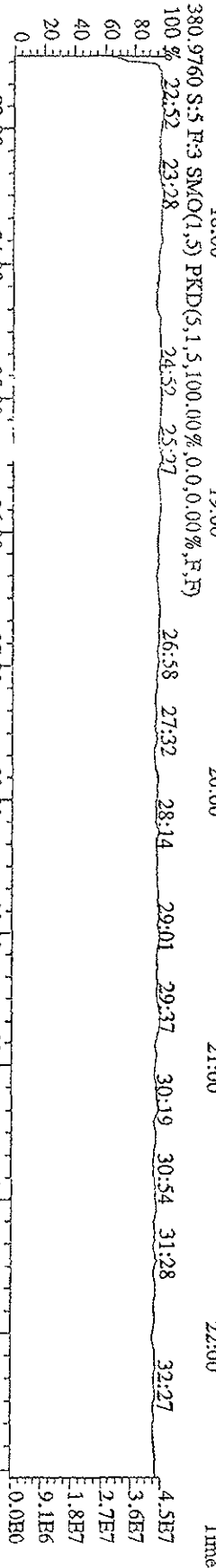
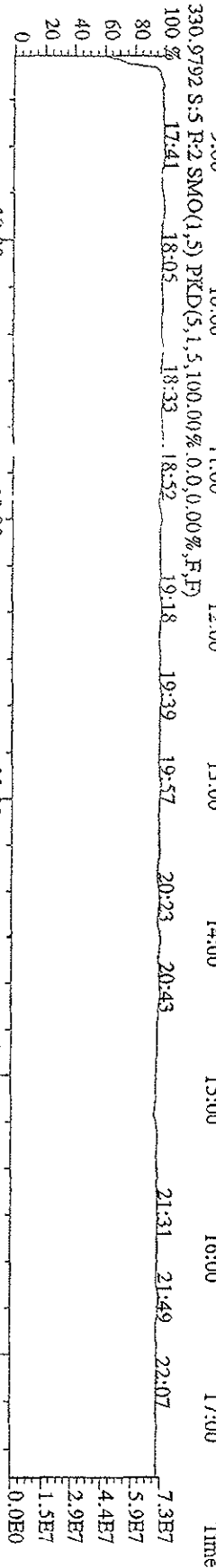
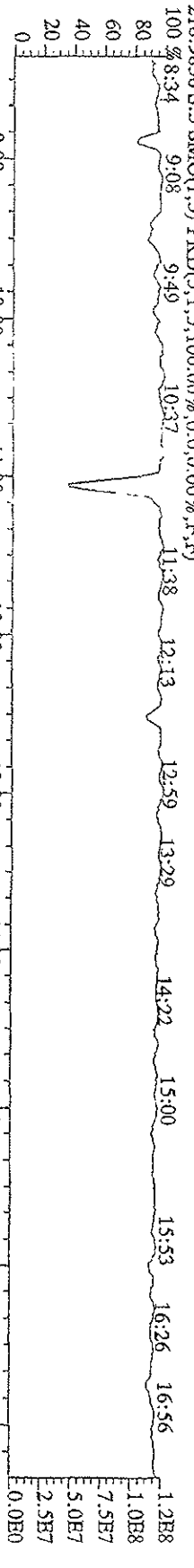
475.7619 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,804.0,0.00%,F,T)  
 100% A1.06E8



File: 15JA09D9D5 #1-378 Acq: 15-JAN-2009 23:50:45 GC BF + Voltage STR Autospec-Ultimate  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 497.6826 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,828.0,0.00%,F,T)



File:15IA09DD9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5



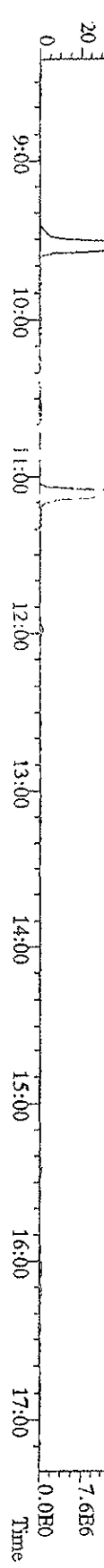
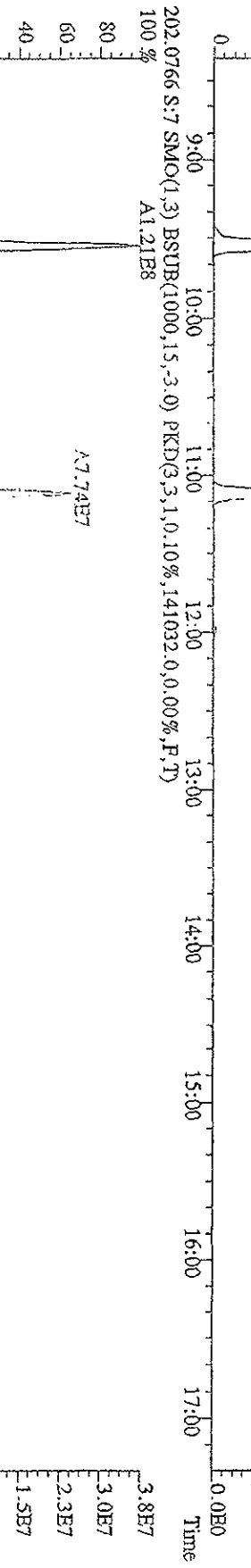
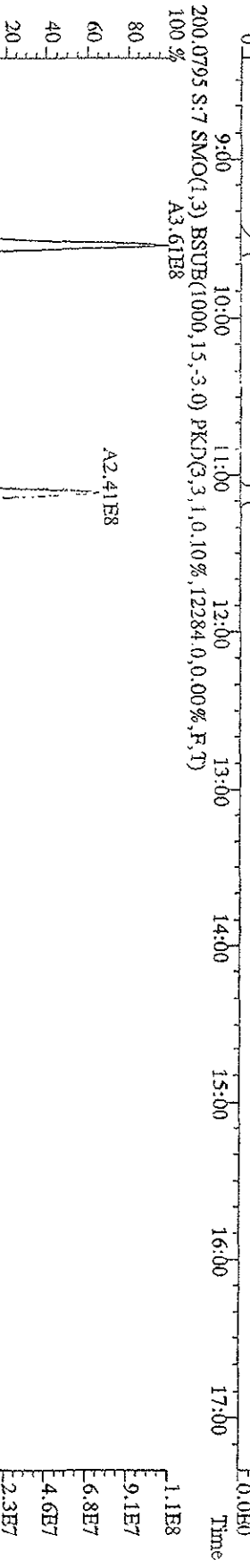
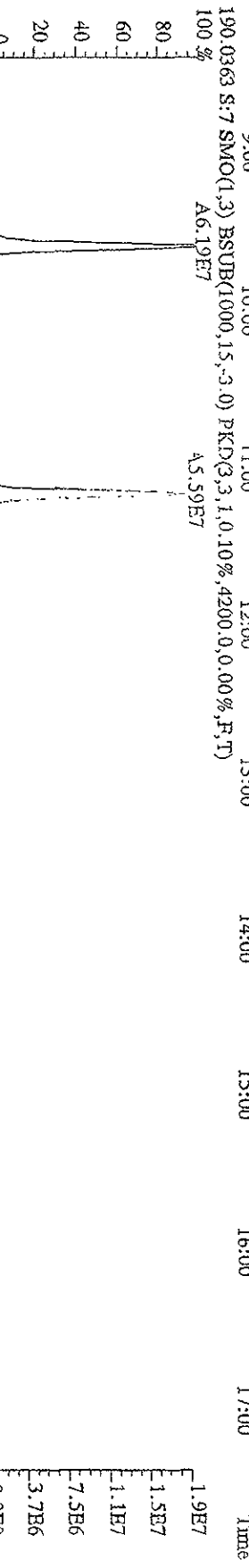
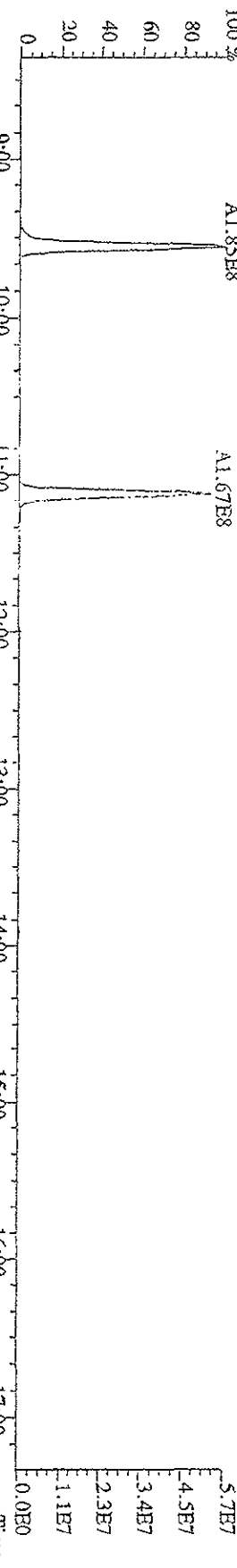
Run text: ST0115E Sample text: ST0115E :2nd Source 09DXN055  
 Run #6 Filename: 15JA09D9D5 S: 7 I: 1 Results: 15JA09D9D5  
 Acquired: 16-JAN-09 01:33:31 Processed: 16-JAN-09 12:21:13  
 Run: 15JA09D9D5 Analyte: 1668MDB5 Cal: 1668MDB50115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-MoCB-3	317987900	3.11 y	11:07	0.92	2164.57	10.27	108.2	n
MoCB-1	246706500	2.98 y	9:34	1.72	904.22	0.30	-	n
*MoCB-3	222925700	2.99 y	11:08	1.48	946.34	0.35	-	n
Total MoCB	474515702	2.98 y	9:34	1.60	1869.77	0.32	-	n
13C-DiCB-15	484209000	1.53 y	16:10	1.43	2124.23	0.83	106.2	n
DiCB-10/4	347800000	1.00 y	12:01	1.55	927.94	2.11	-	n
DiCB-8/5	491206000	1.00 y	13:55	1.10	1839.01	2.97	-	n
*DiCB-15	359460000	1.00 y	16:11	1.59	932.41	2.05	-	n
Total DiCB	1219706104	1.00 y	12:01	1.57	3755.23	2.08	-	n
13C-TrCB-28	343278000	1.04 y	18:31	1.08	1996.11	10.52	99.8	n
TrCB-30	278791000	1.02 y	15:19	1.61	1008.62	0.29	-	n
TrCB-18	243663000	1.01 y	16:01	1.42	999.81	0.33	-	n
Total F1 TrCB	522454000	1.02 y	15:19	1.30	2008.43	0.36	-	n
*TrCB-31	192082600	1.02 y	18:27	1.11	1008.28	0.90	-	n
*TrCB-28	205591000	1.05 y	18:32	1.28	932.33	0.77	-	n
TrCB-37	162623100	1.02 y	21:48	0.99	959.03	1.01	-	n
Total F2 TrCB	577775584	1.06 y	17:45	1.30	2978.02	0.77	-	n
13C-TeCB-52	318403000	0.81 y	20:23	-	106.38	-	-	n
13C-TeCB-81	229174000	0.79 y	26:58	0.95	1947.47	2.24	97.4	n
TeCB-54	176370000	0.75 y	17:45	1.45	1047.73	0.72	-	n
TeCB-52/73	136685300	0.74 y	20:24	1.14	1038.26	0.92	-	n
TeCB-47/75/48	159414500	0.74 y	20:49	1.51	910.32	0.69	-	n
TeCB-44	118189100	0.73 y	21:34	0.99	1027.98	1.06	-	n
Total F2 TeCB	594518692	0.75 y	17:45	1.28	4050.21	0.83	-	n
13C-TeCB-77	234335000	0.79 y	27:33	0.98	1920.15	2.16	96.0	n
TeCB-66/80	184147000	0.76 y	24:02	1.58	1007.33	1.48	-	n
TeCB-81	141804800	0.76 y	26:59	1.28	968.12	1.77	-	n
TeCB-77	126688100	0.71 y	27:35	1.10	979.89	2.18	-	n
Total F3 TeCB	469737053	0.76 y	24:02	1.28	3070.16	1.85	-	n
13C-PeCB-101	248452000	0.65 y	25:21	-	101.61	-	5.1	n
13C-PeCB-123	215120100	0.65 y	28:53	0.87	1987.09	1.39	99.4	n
PeCB-104	187266500	0.64 y	21:19	1.60	1043.94	0.32	-	n
Total F2 PeCB	187266500	0.64 y	21:19	1.38	1043.94	0.39	-	n
PeCB-101/89/90	152746800	0.59 y	25:23	1.39	979.30	1.07	-	n
PeCB-123	153997300	0.59 y	28:54	1.51	948.79	0.97	-	n
13C-PeCB-118	233847400	0.65 y	29:02	0.98	1912.00	1.23	95.6	n
PeCB-118/106	173601100	0.60 y	29:03	1.53	971.67	0.94	-	n
13C-PeCB-114	234263800	0.66 y	29:40	0.97	1951.48	1.26	97.6	n
PeCB-114	179214900	0.58 y	29:41	1.59	965.03	0.91	-	n
13C-PeCB-105	216099500	0.65 y	30:34	0.90	1938.79	1.35	96.9	n
PeCB-105/127	146287000	0.59 y	30:35	1.42	951.93	1.12	-	n

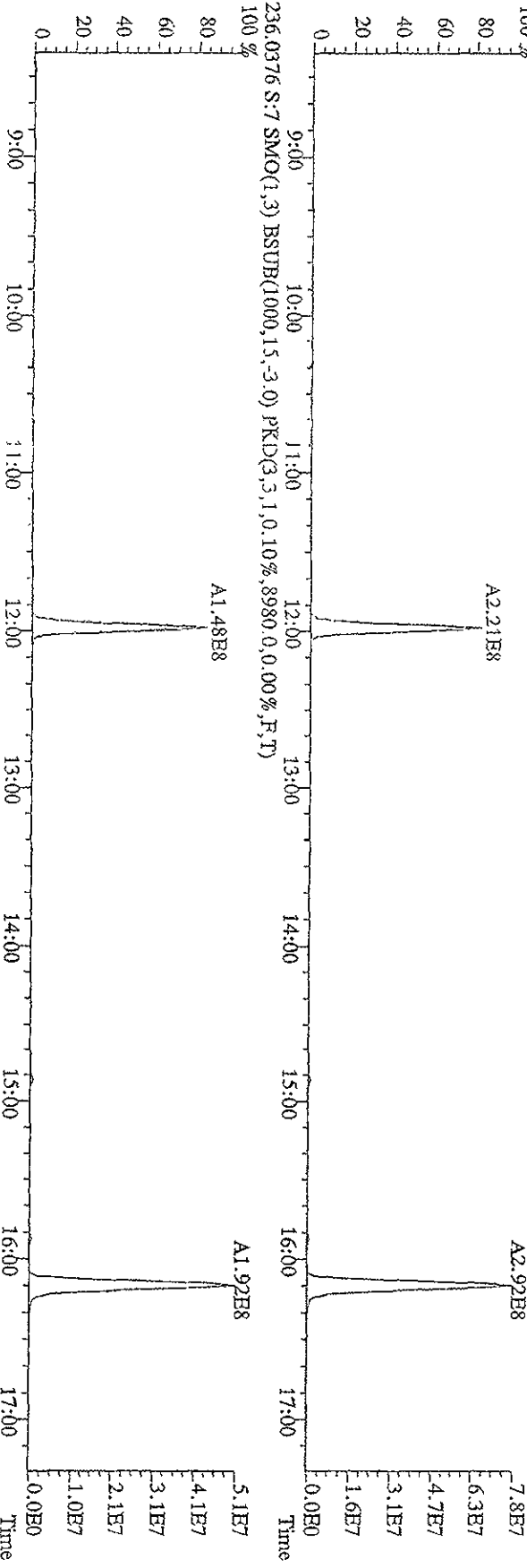
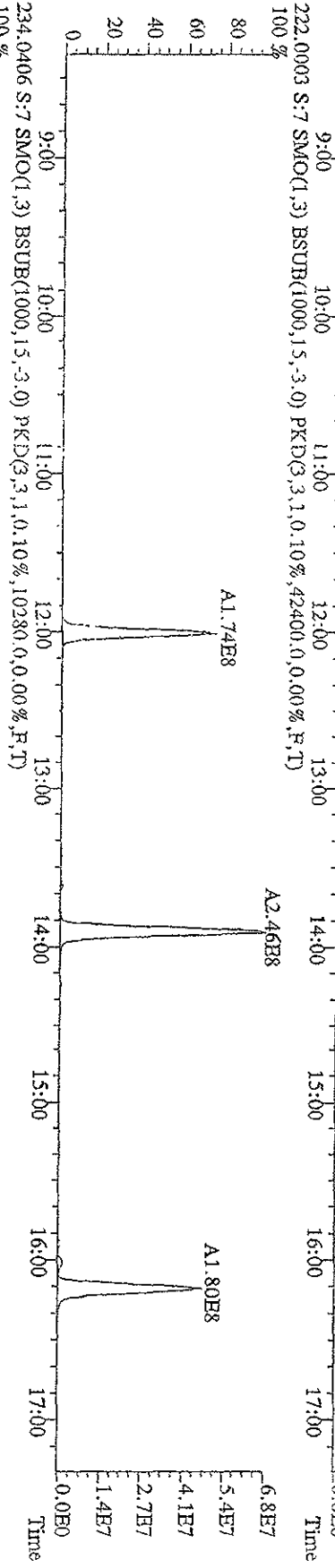
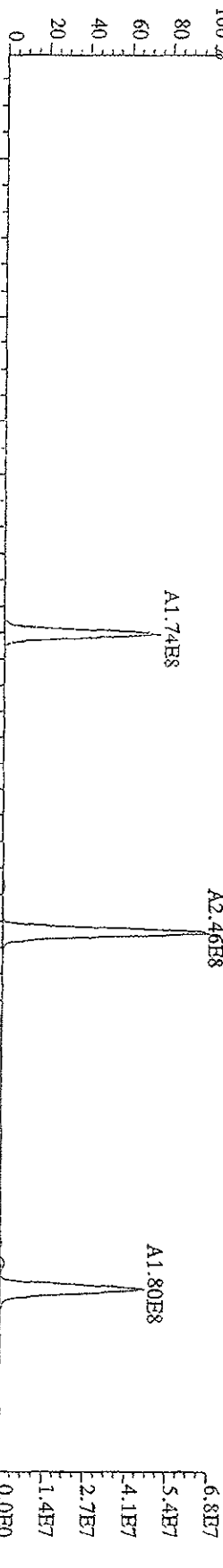
13C-PeCB-126	209136400	0.66	y	32:30	0.91	1846.94	1.33	92.3	n
PeCB-126	116625800	0.59	y	32:31	1.17	950.64	1.67	-	n
Total F3 PeCB	941154865	0.51	n	24:50	1.38	5889.66	1.14	-	n
13C-OcCB-202	247986000	0.86	y	34:43	-	96.36	-	-	n
13C-HxCB-167	206590100	1.26	y	33:35	0.84	1979.81	2.19	99.0	n
HxCB-155	176523800	1.27	y	24:50	1.89	1039.99	0.42	-	n
HxCB-153	152304200	1.27	y	30:21	1.71	987.89	0.46	-	n
HxCB-137	131107900	1.27	y	31:28	1.47	992.40	0.53	-	n
HxCB-138/163/164	136502600	1.26	y	31:56	1.55	977.56	0.51	-	n
Total F3 HxCB	606630234	1.27	y	24:50	1.44	4077.00	0.56	-	n
HxCB-128	84450800	1.24	y	33:30	1.08	868.90	3.96	-	n
HxCB-167	127740700	1.27	y	33:36	1.17	1058.05	3.04	-	n
13C-HxCB-156	164457200	1.30	y	34:53	0.67	1978.96	2.75	98.9	n
HxCB-156	113010300	1.28	y	34:54	1.45	946.35	3.26	-	n
13C-HxCB-157	172987600	1.26	y	35:12	0.71	1973.79	2.61	98.7	n
HxCB-157	119121700	1.26	y	35:13	1.45	952.15	3.00	-	n
13C-HxCB-169	176264100	1.25	y	37:05	0.73	1938.06	2.51	96.9	n
HxCB-169	81303300	1.29	y	37:06	0.99	932.61	4.67	-	n
Total F4 HxCB	536274083	1.24	y	33:30	1.44	4840.76	3.02	-	n
13C-HpCB-180	145969400	1.04	y	35:49	0.58	2013.68	1.54	100.7	n
HpCB-188	145753200	1.07	y	29:56	2.10	1033.46	0.58	-	n
HpCB-187/182	128812400	1.06	y	32:54	1.92	997.83	0.63	-	n
Total F3 HpCB	278642119	1.07	y	29:56	1.67	2067.20	0.72	-	n
HpCB-180	86924100	1.10	y	35:50	1.27	941.34	1.34	-	n
13C-HpCB-170	116867600	1.04	y	37:29	0.47	1986.74	1.89	99.3	n
HpCB-170/190	87429800	1.08	y	37:29	1.61	931.39	1.31	-	n
13C-HpCB-189	140943300	1.05	y	39:07	0.60	1899.17	1.50	95.0	n
HpCB-189	80151000	1.11	y	39:08	1.21	942.78	1.48	-	n
Total F4 HpCB	256493131	0.82	n	33:07	1.67	2833.03	1.10	-	n
13C-OcCB-194	97713600	0.90	y	41:04	0.41	1928.85	0.71	96.4	n
OcCB-202	102264300	0.85	y	34:44	2.16	968.36	0.31	-	n
Total F4 OcCB	102264300	0.85	y	34:44	1.70	968.36	0.39	-	n
OcCB-195	75846900	0.88	y	39:58	1.61	963.37	3.27	-	n
*OcCB-194	57671400	0.89	y	41:05	1.24	952.91	4.25	-	n
Total F5 OcCB	141135460	0.88	y	39:58	1.70	2007.99	3.10	-	n
13C-NoCB-208	153734500	0.80	y	39:52	0.64	1928.31	0.15	96.4	n
*NoCB-208	81736900	0.79	y	39:52	1.11	956.40	0.38	-	n
NoCB-206	52843300	0.81	y	43:01	0.73	947.77	0.59	-	n
Total F5 NoCB	136667540	0.79	y	39:52	0.92	1933.73	0.46	-	n
13C-DeCB-209	107688400	0.71	y	44:04	0.46	1887.39	0.07	94.4	n
*DeCB-209	73761700	0.71	y	44:04	1.50	910.40	0.09	-	n
13C-MoCB-1	482046000	2.99	y	9:33	1.95	1553.93	3.90	77.7	n
13C-DiCB-4	369336000	1.49	y	11:59	0.93	1647.97	0.80	82.4	n
13C-TrCB-19	309678000	1.07	y	14:52	1.03	1750.20	9.10	87.5	n
13C-TeCB-54	365168000	0.82	y	17:44	1.72	1829.54	1.83	91.5	n
13C-PeCB-111	289878000	0.64	y	26:50	1.42	1929.21	1.32	96.5	n
13C-HxCB-138	205304900	1.20	y	31:55	-	97.93	-	4.9	n



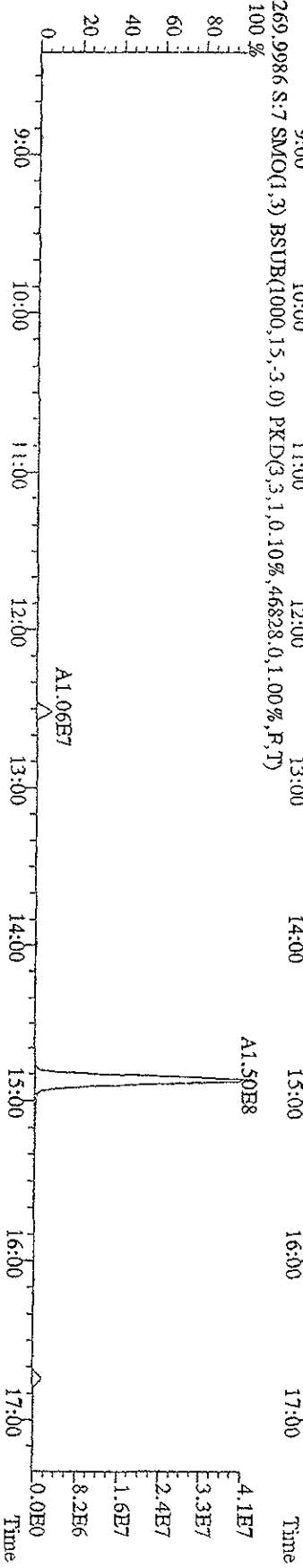
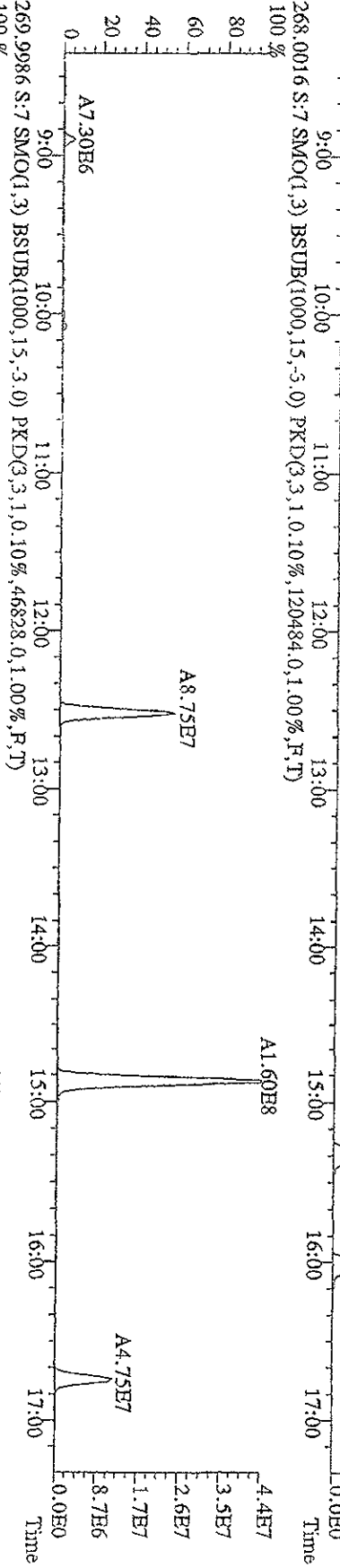
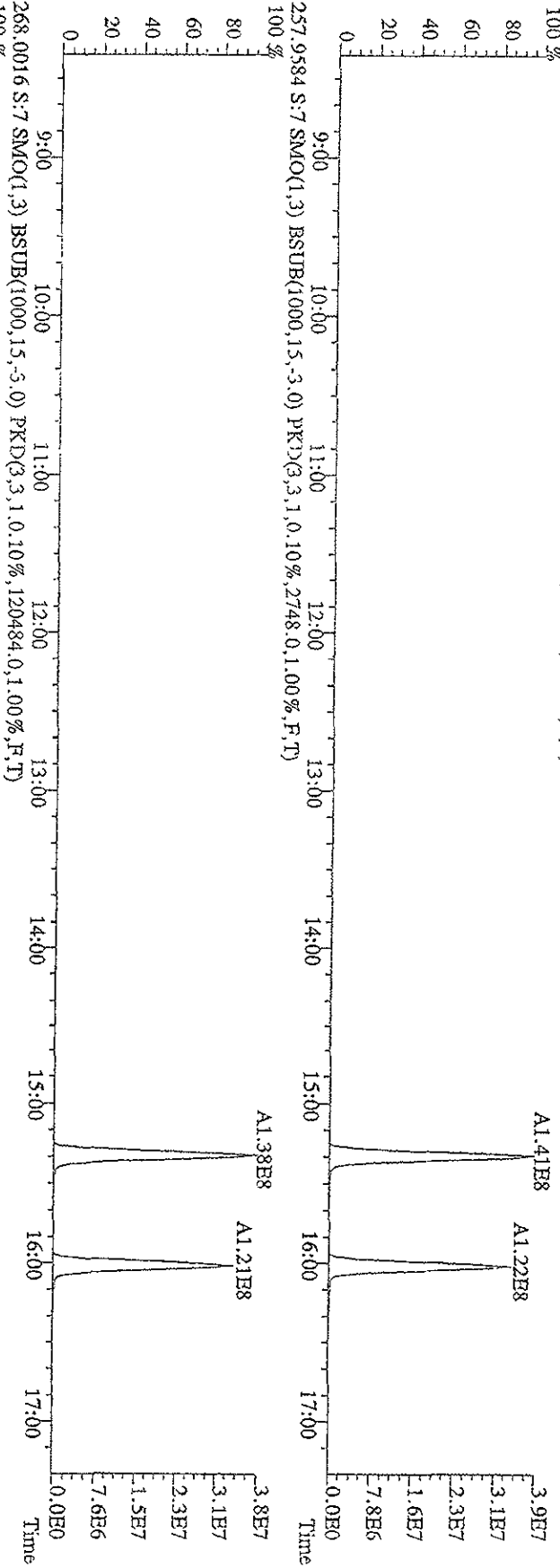
File:151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST015E :2nd Source 09DXKN055 Exp:209DB5  
 188.0393 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6216,0,0,00%,F,T)  
 100%



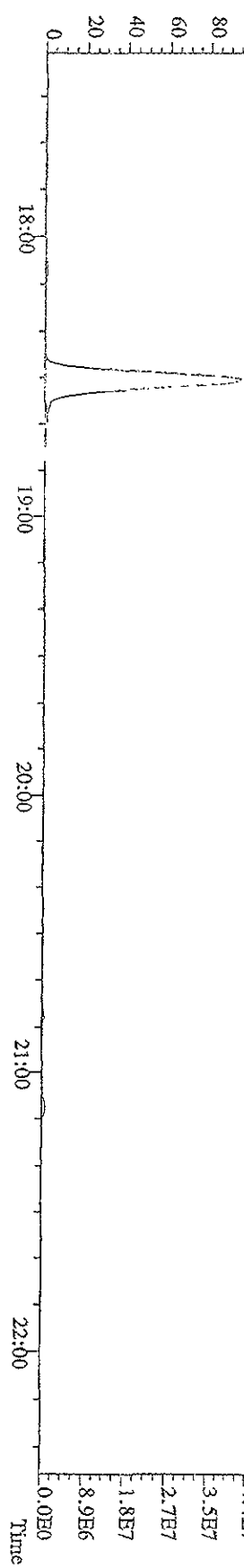
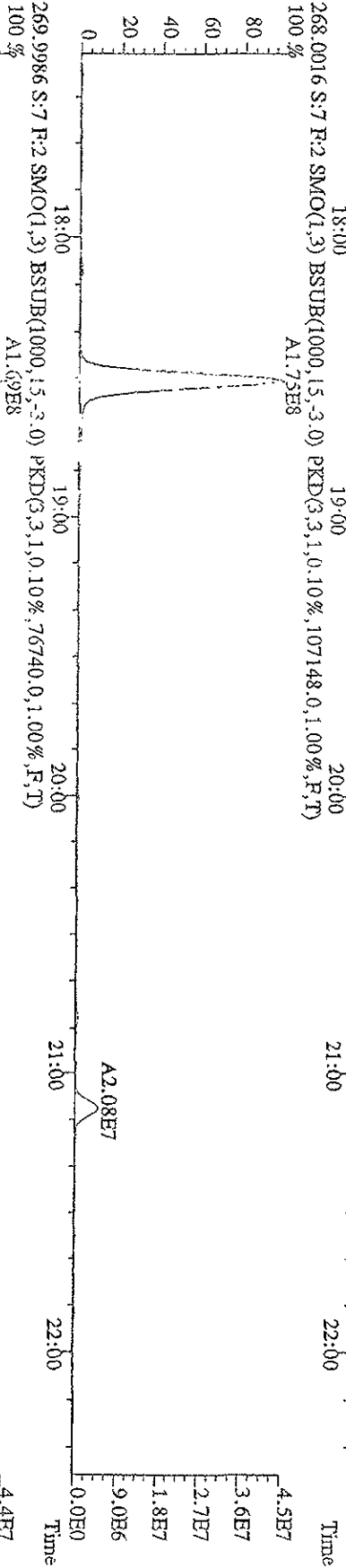
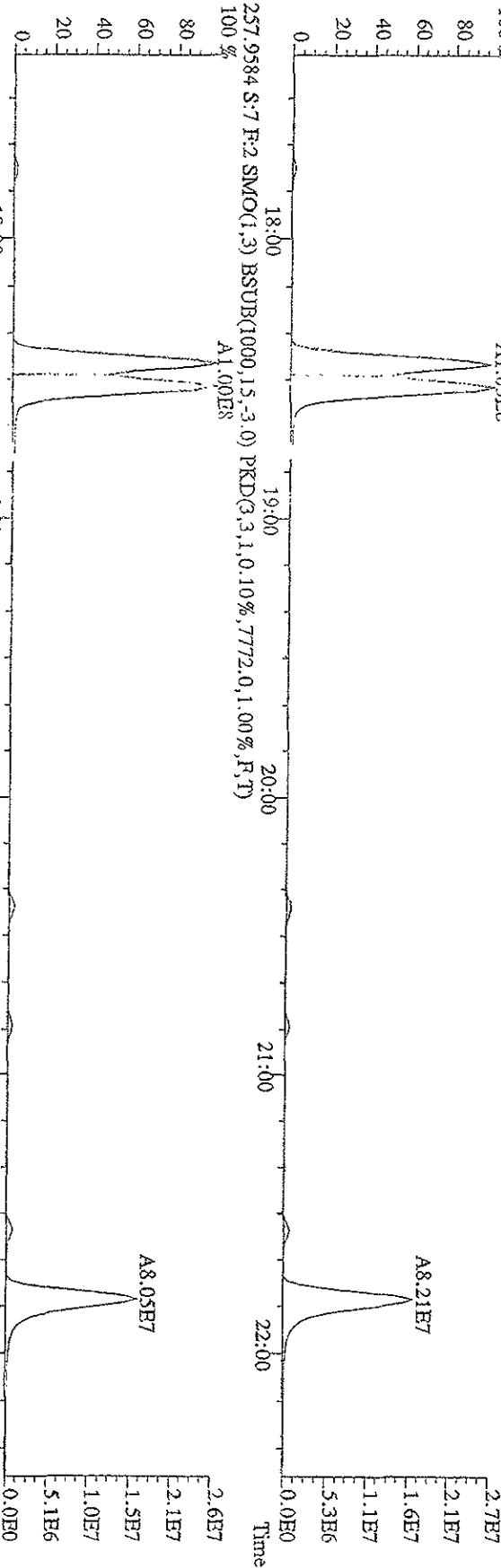
The:151A09DD9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 222.0003 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,42400,0,0.00%,F,T)  
 100 %



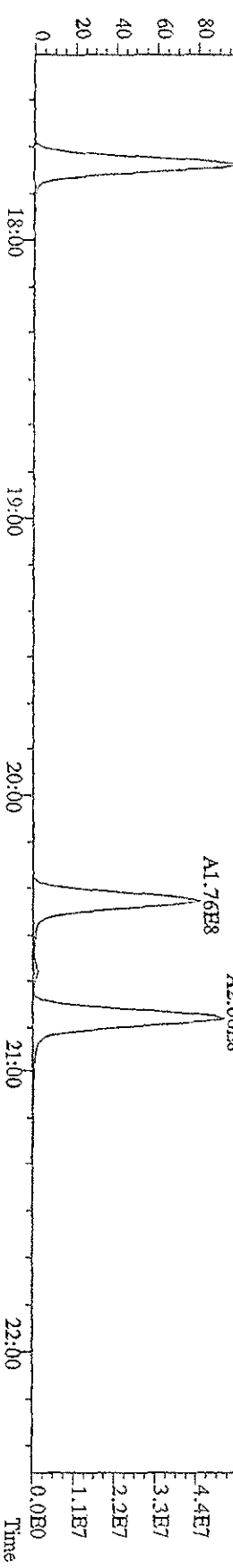
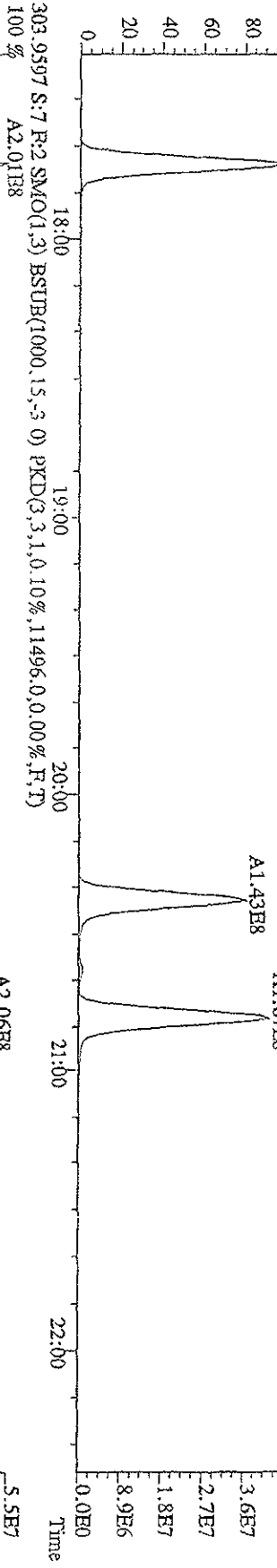
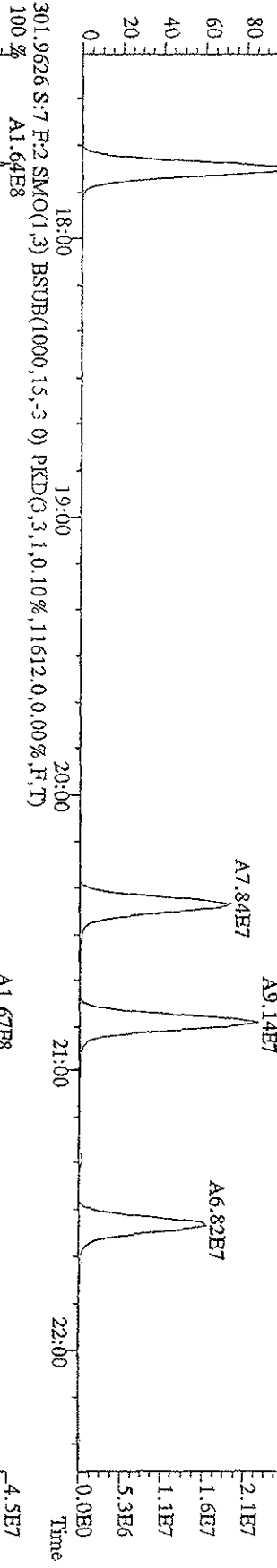
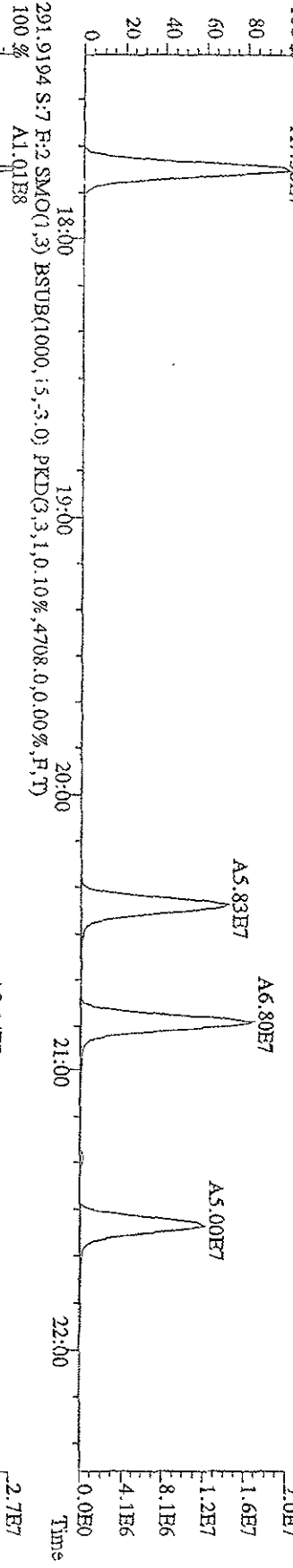
File:151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 257.9584 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2748,0,1,00%,F,T)  
 100%



File:151A09DD9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC BI + Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 255.9613 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9972,0,1,00%,F,T)  
 100%

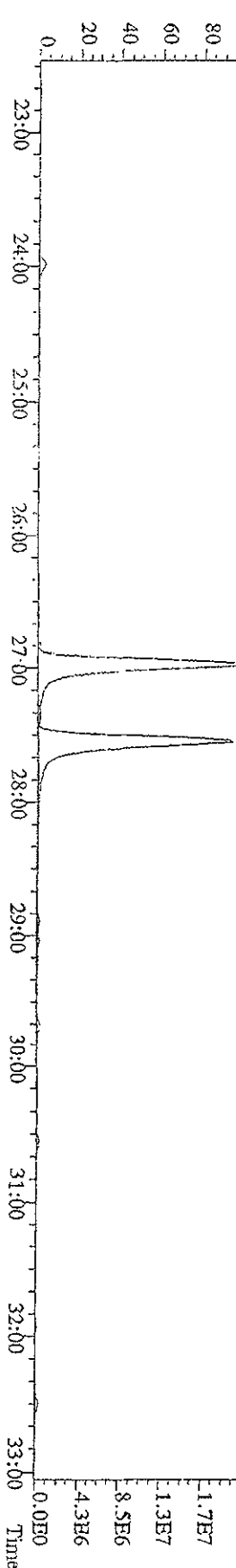
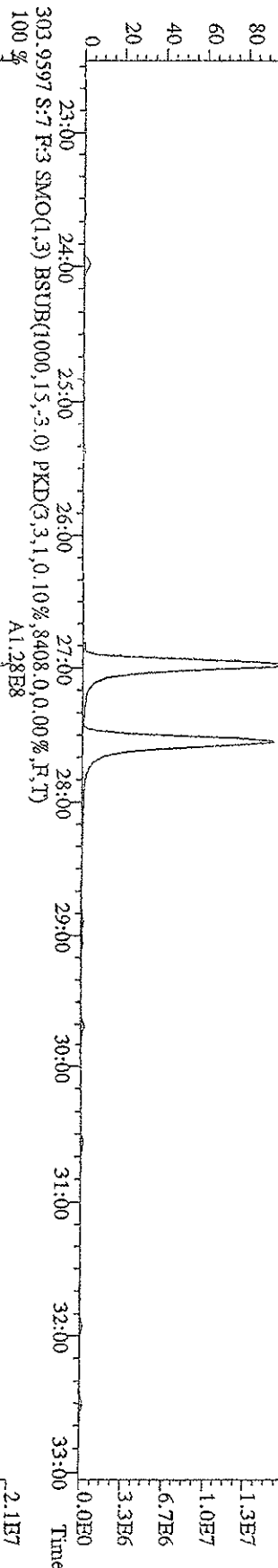
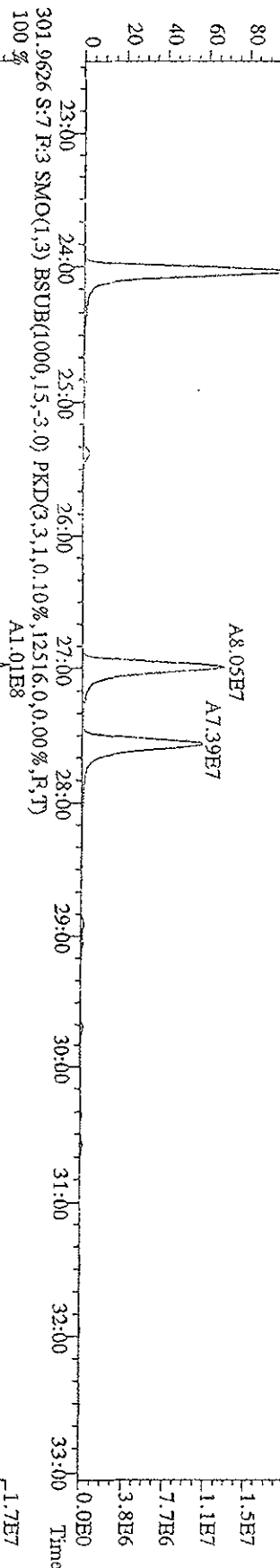
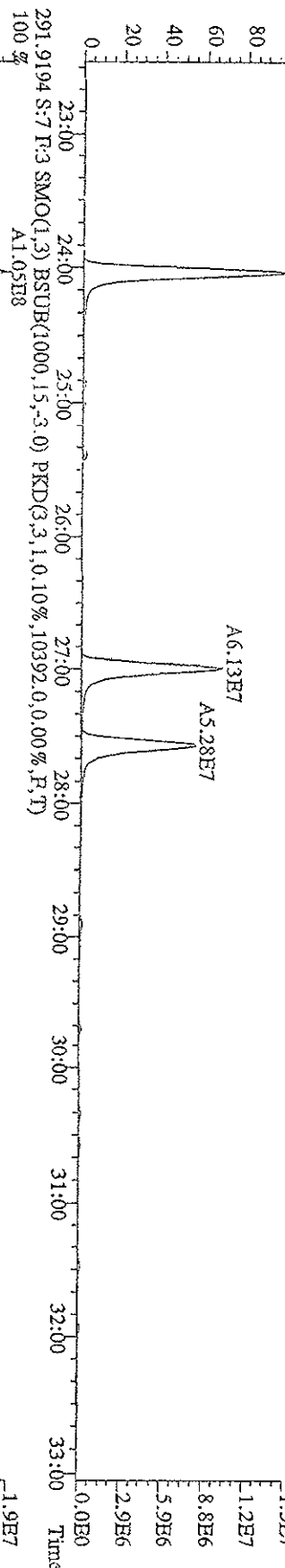


File:151A09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#7 Text:5T0115E :2nd Source 09DX(N055 Exp:209DB5  
 289.9224 S:7 F:2 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,3,1,0,10%,2996,0,0,0,00%,F,T)  
 100% A7.56E7

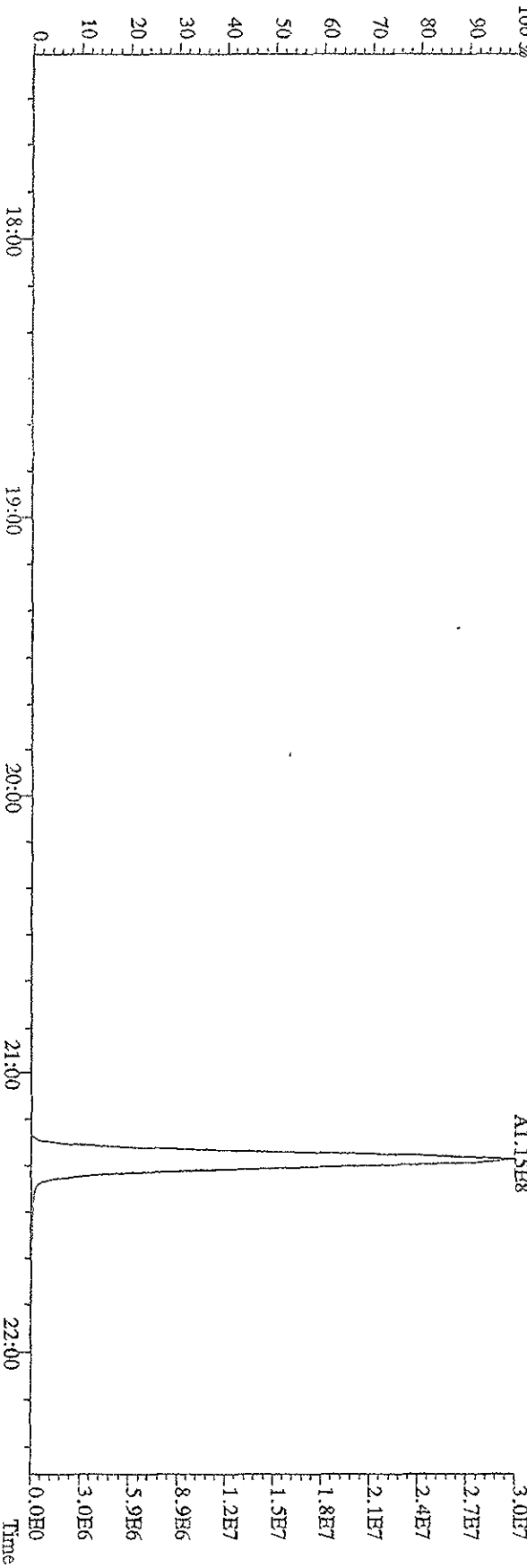
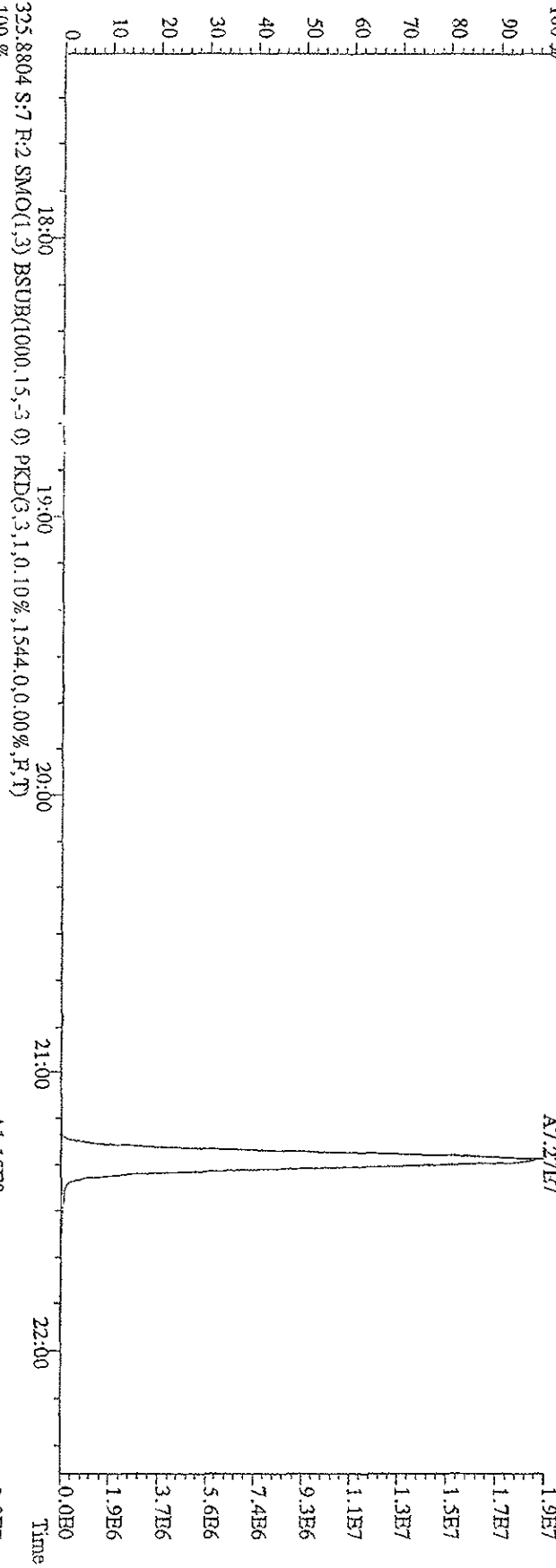


Title: 151A09DD9D5 #1-597 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage: SIR Autospec-Ultimate

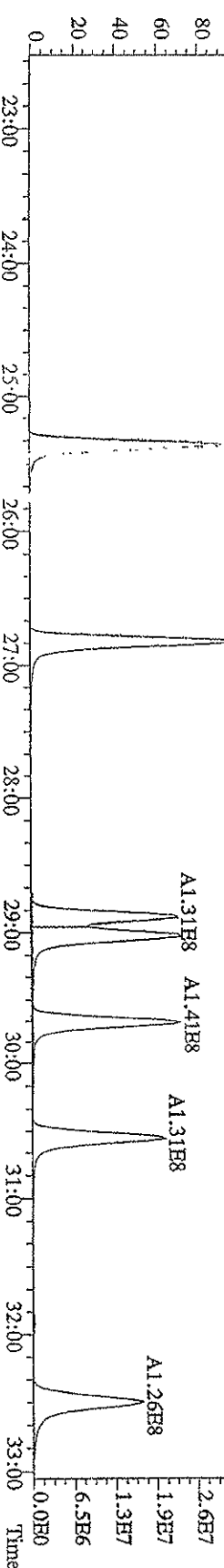
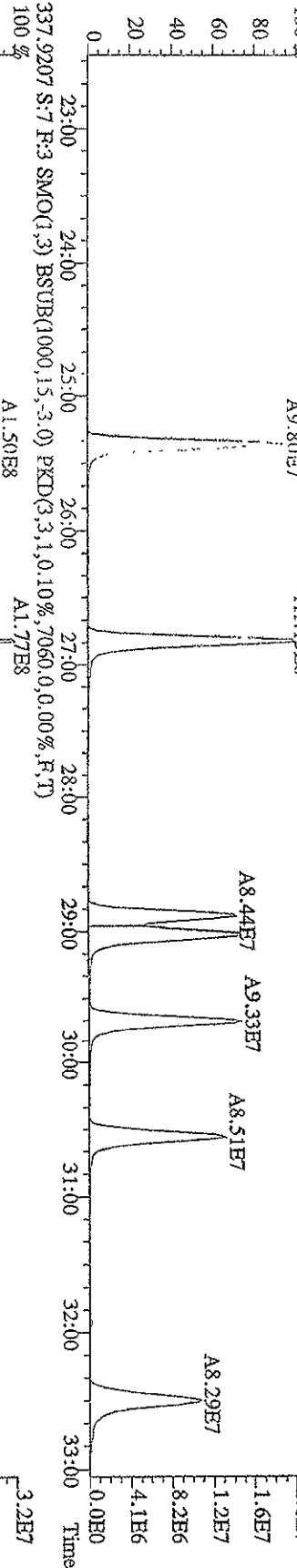
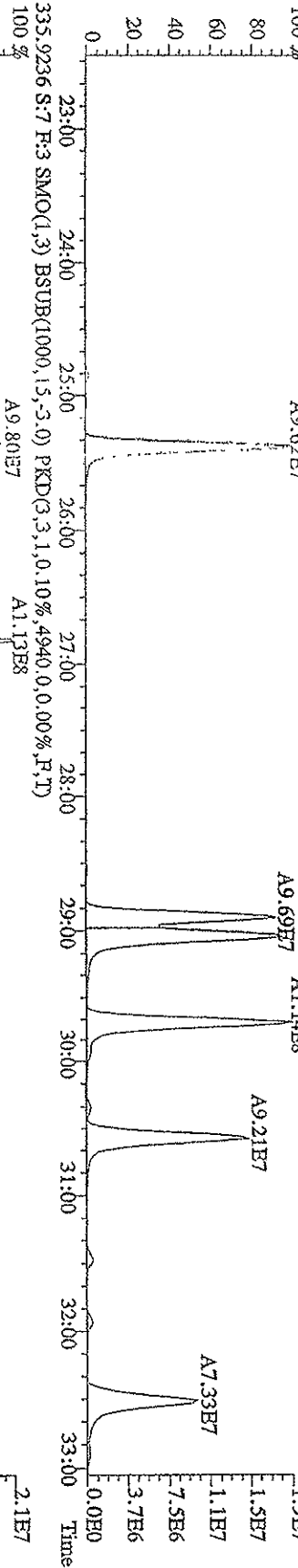
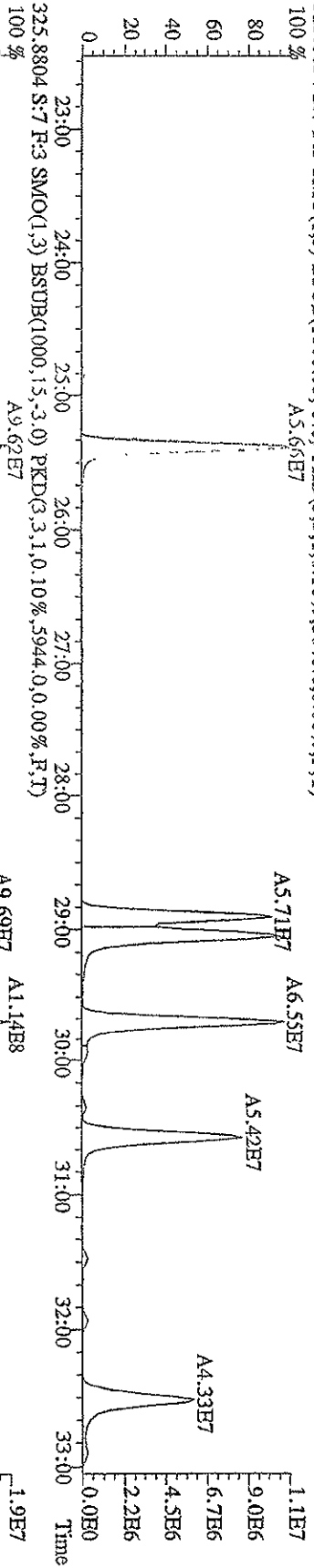
Sample#7 Text: ST0115E :2nd Source: 09DXN055 Exp: 209DB5



File:15JA09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115B :2nd Source 09DXN055 Exp:209DB5  
 323.8834 S:7 R:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2252,0,0.00%,F,T)

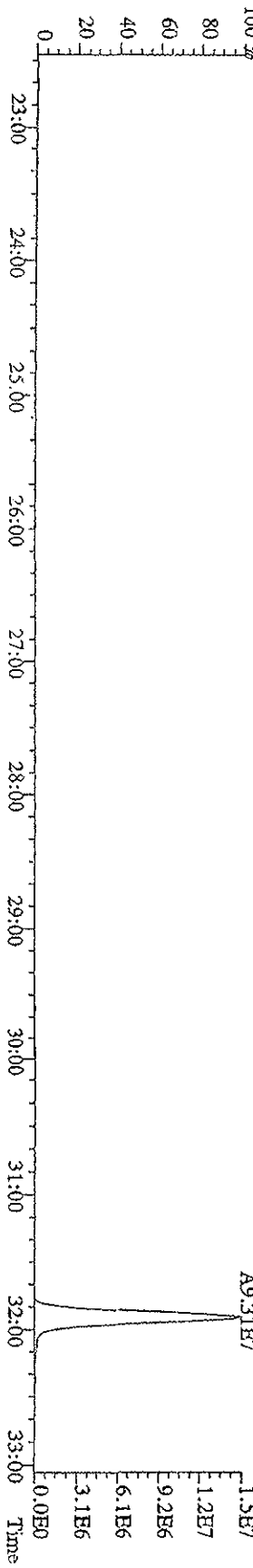
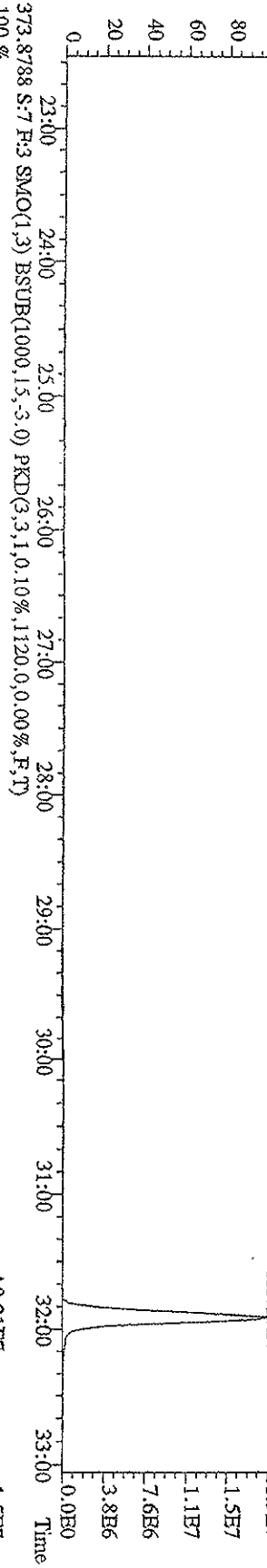
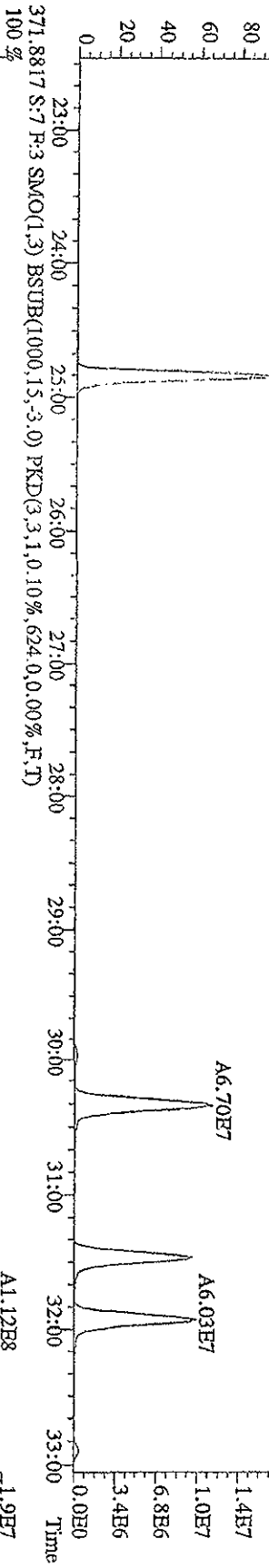
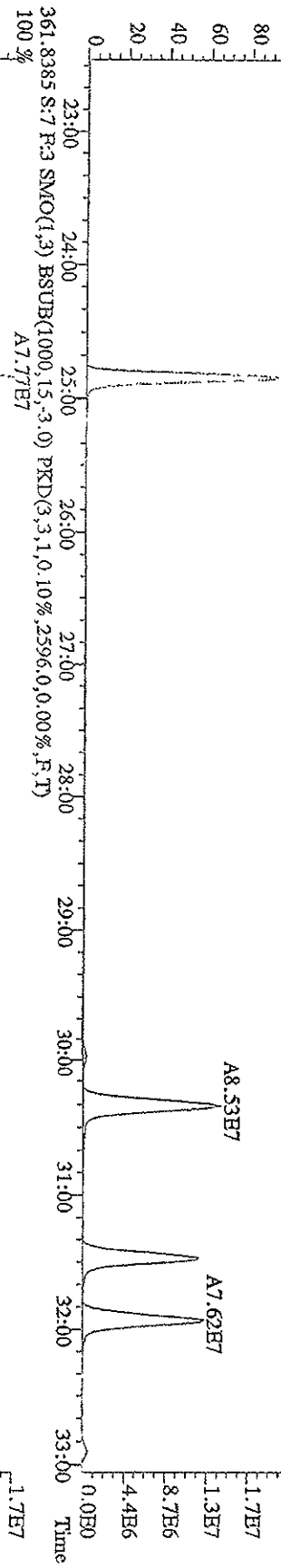


File:151A09D9D5 #1-597 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage:SR Autospec-UltraE  
 Sample#7 Text:ST0115E :2nd Source 09DXN035 Exp:209DB5  
 323.8834 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5944,0,0,0,00%,F,T)  
 100%





File: 151A09D9D5 #1-597 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SFR Autospec-UltimaB  
 Sample#7 Text: S10115E 2nd Source 09DXN055 Exp: 209DB5  
 359.8415 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1748,0,0,00%,F,T)  
 100% A9.88E7

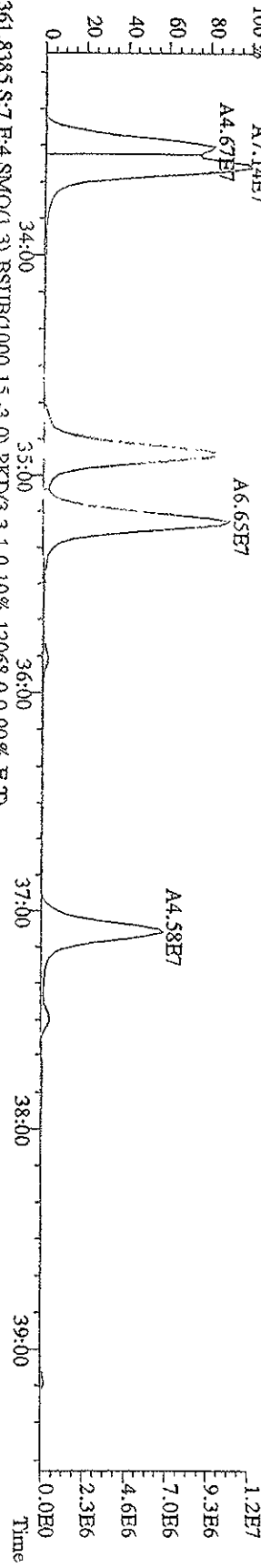


File:151A09D9D5 #1-395 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaB

Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5

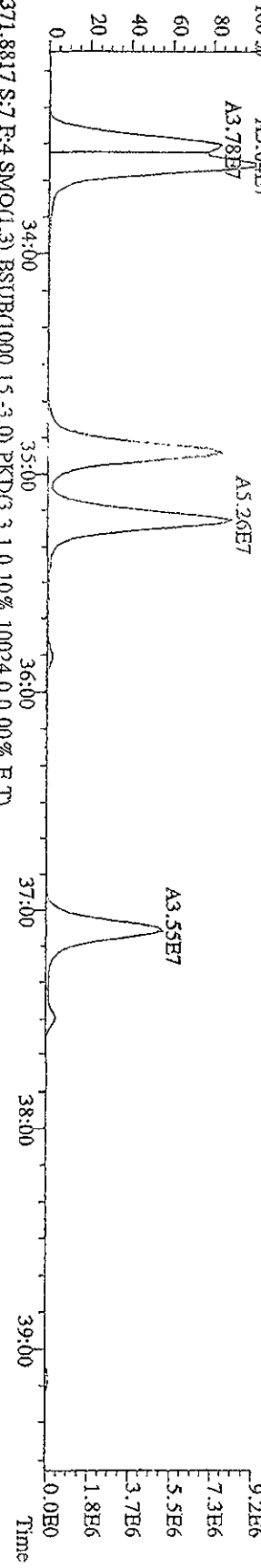
359.8415 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,11588,0,0,00%,F,T)

100% A7.14E7



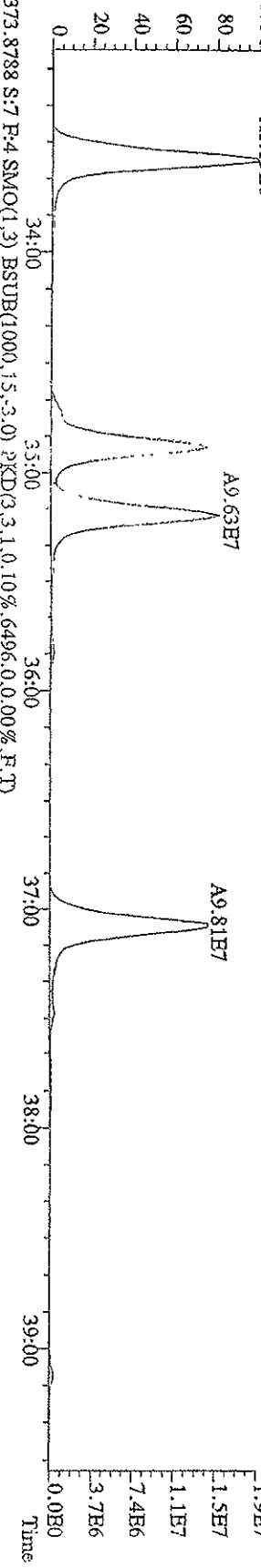
361.8385 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,12068,0,0,00%,F,T)

100% A5.64E7



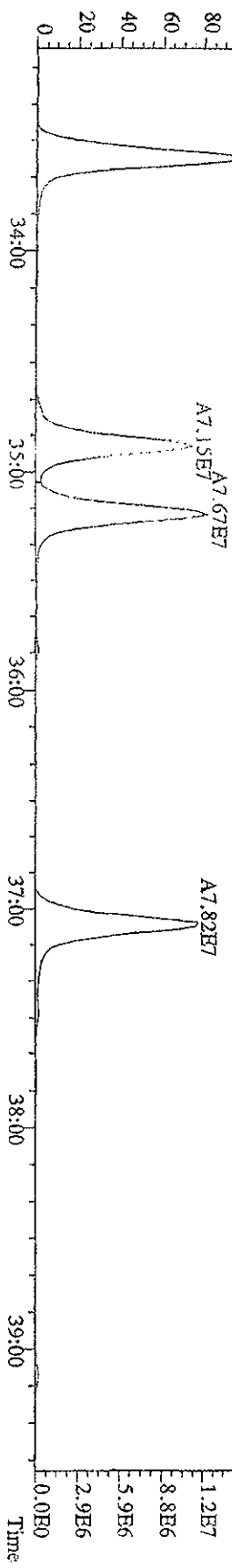
371.8817 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10024,0,0,00%,F,T)

100% A1.15E8

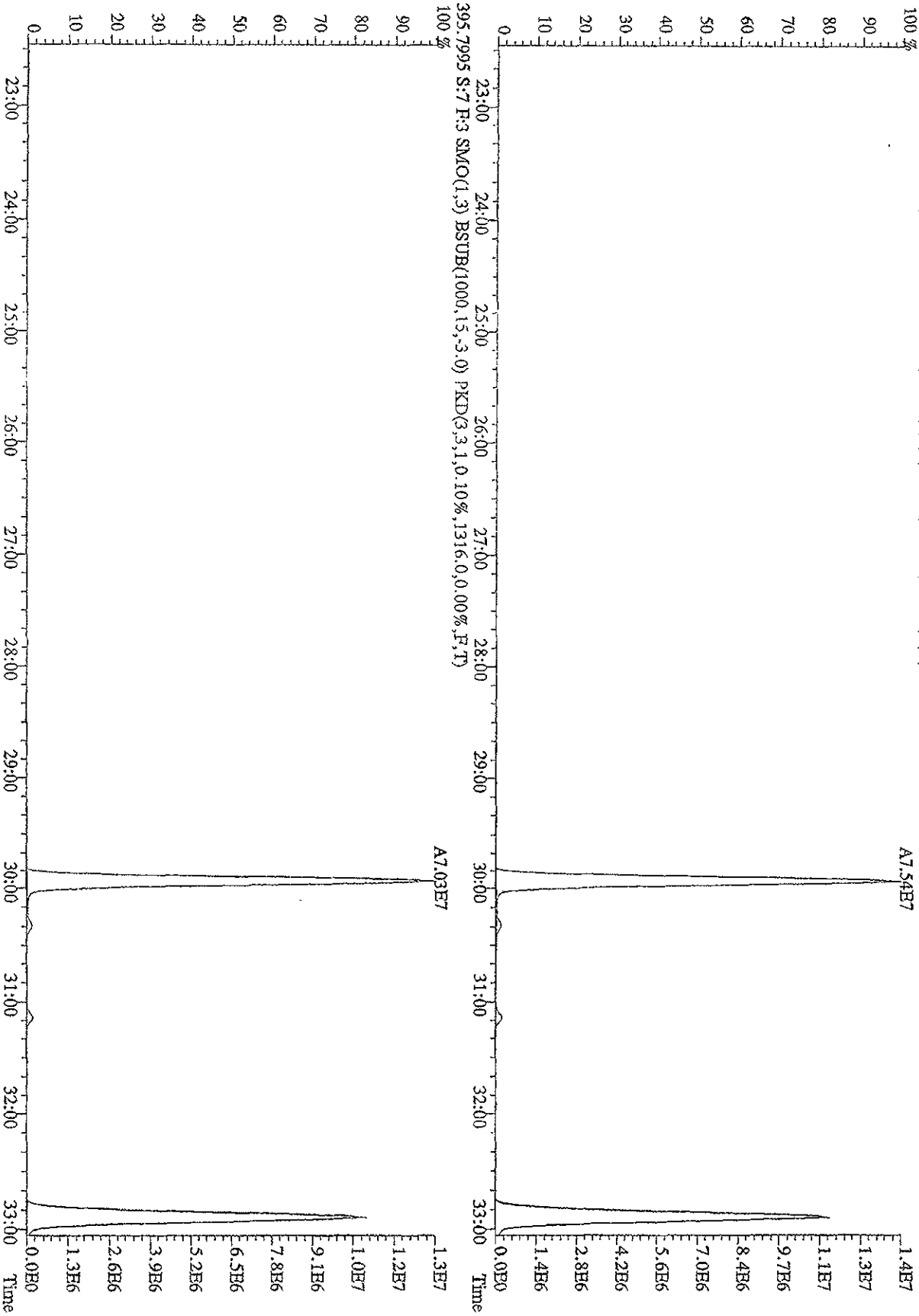


373.8788 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6496,0,0,00%,F,T)

100% A9.14E7

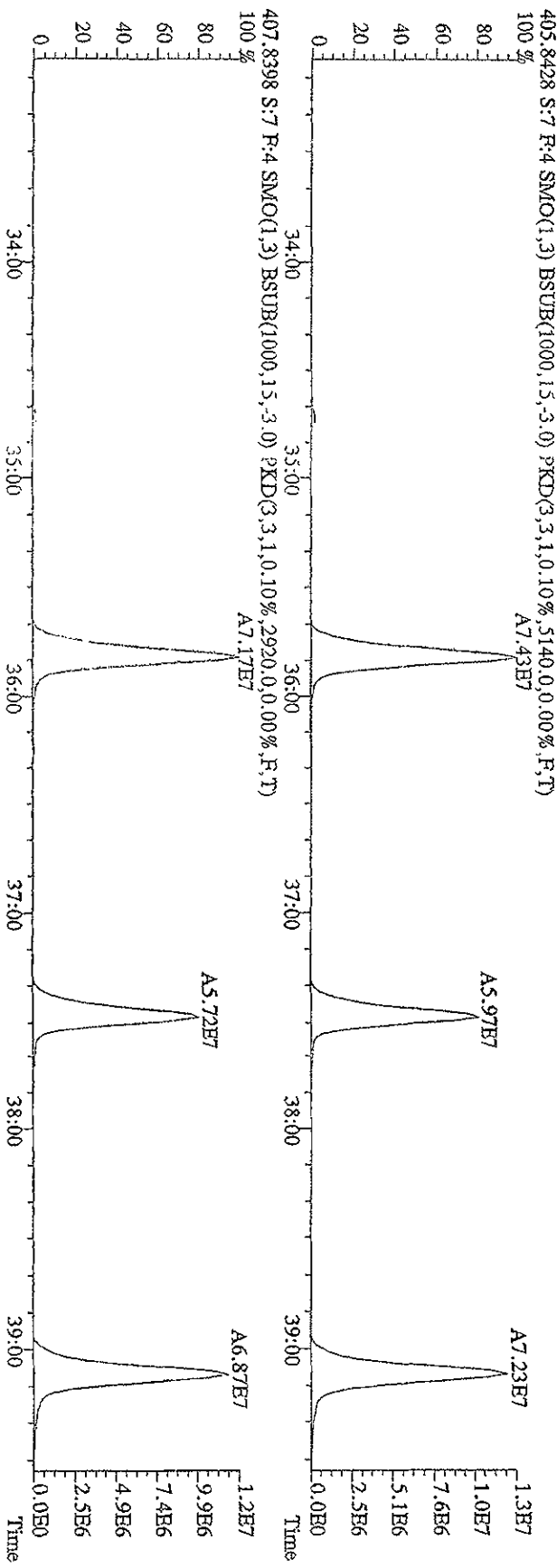
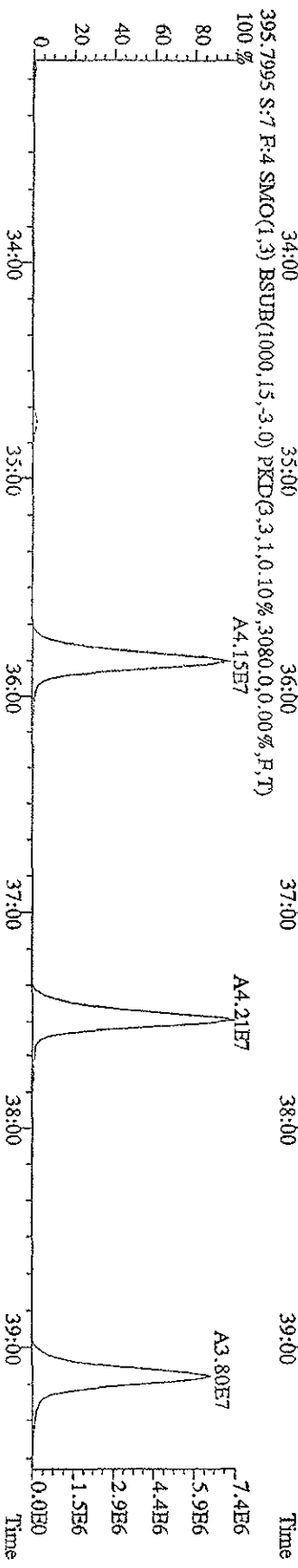
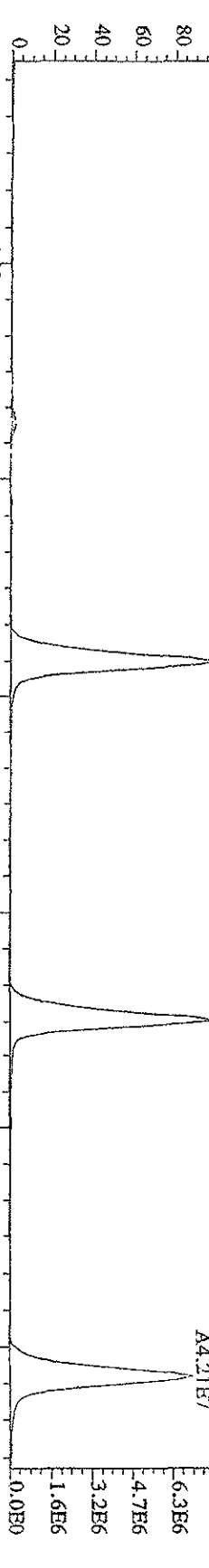


File: 151A09DD9D5 #1-597 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultima3  
 Sample#7 Text: ST015E 2nd Source 09DXN055 Exp: 209DB5  
 395.7995 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4300,0,0,00%,F,T)

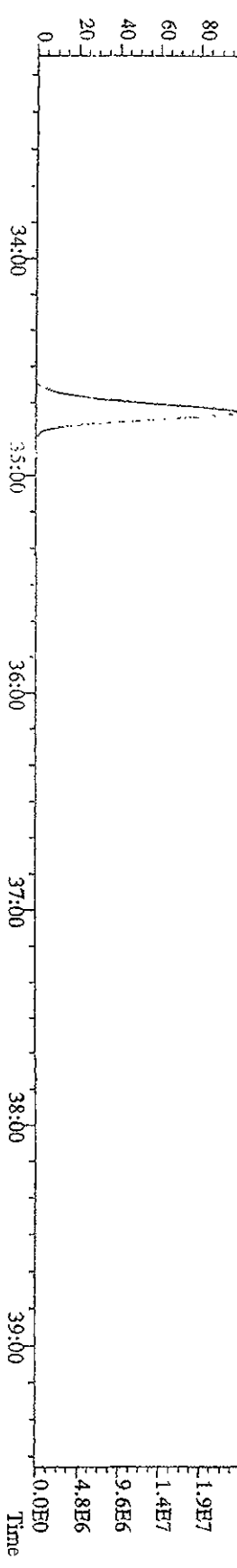
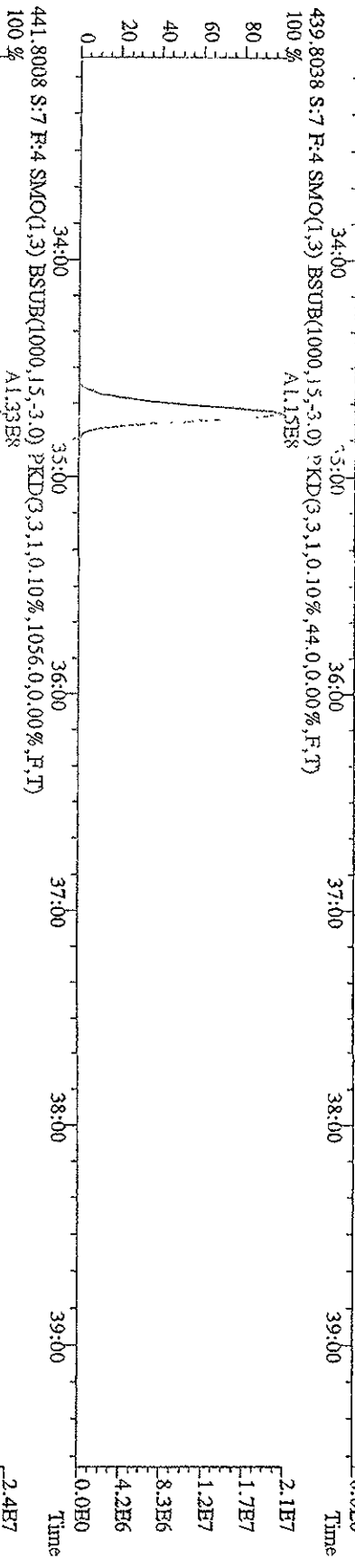
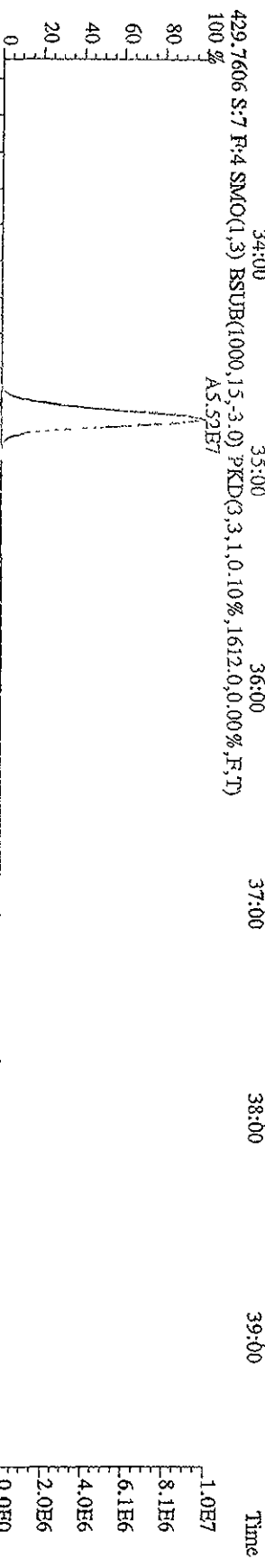
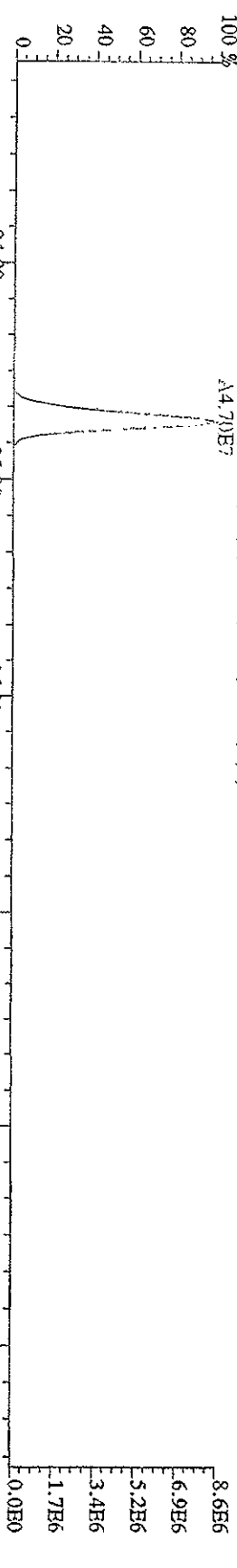


File:151A09D9D5 #1-395 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaB

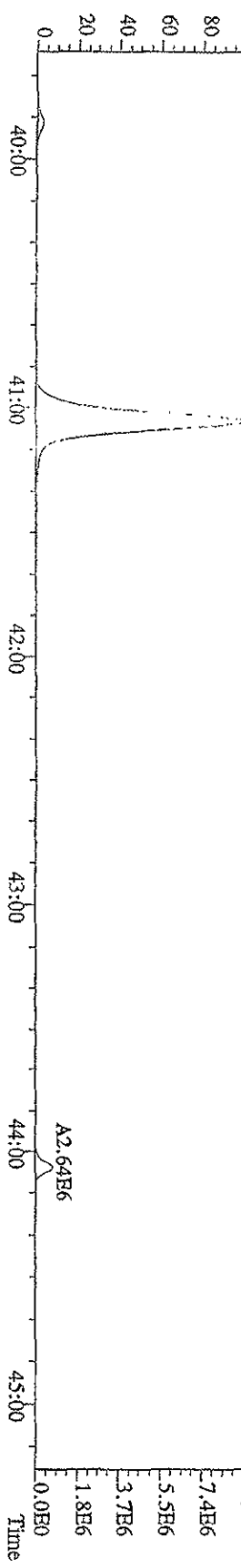
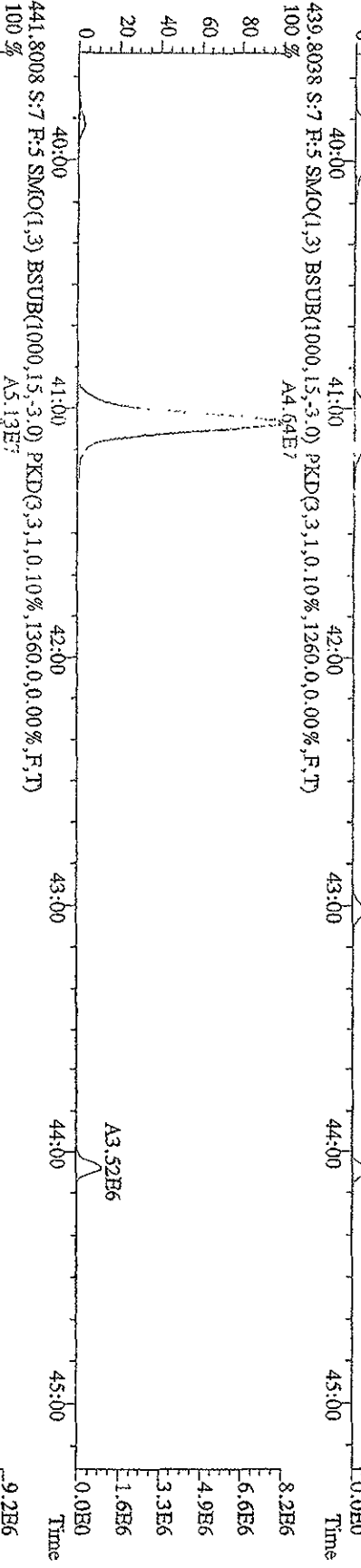
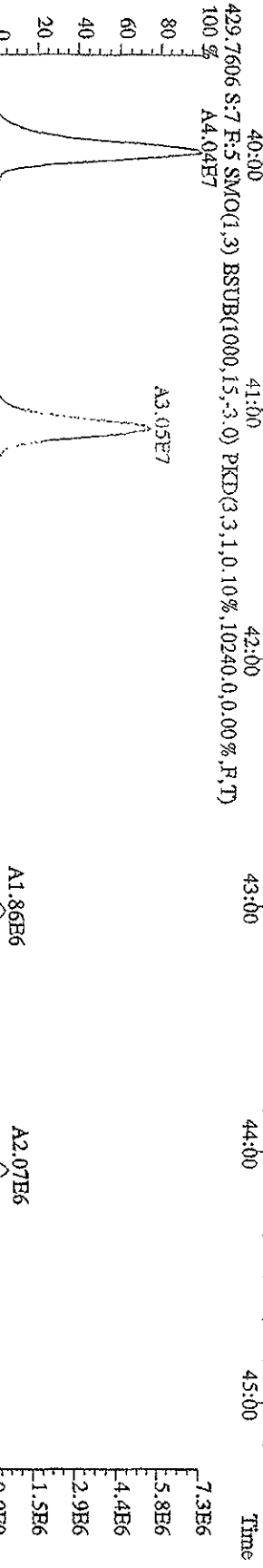
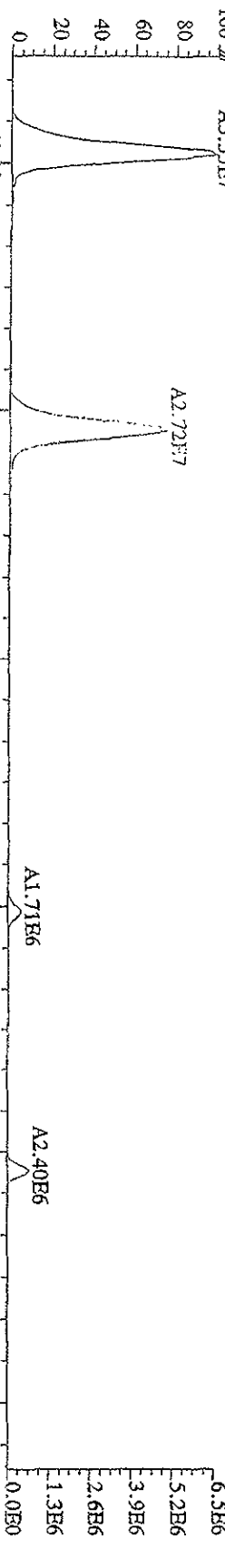
Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5



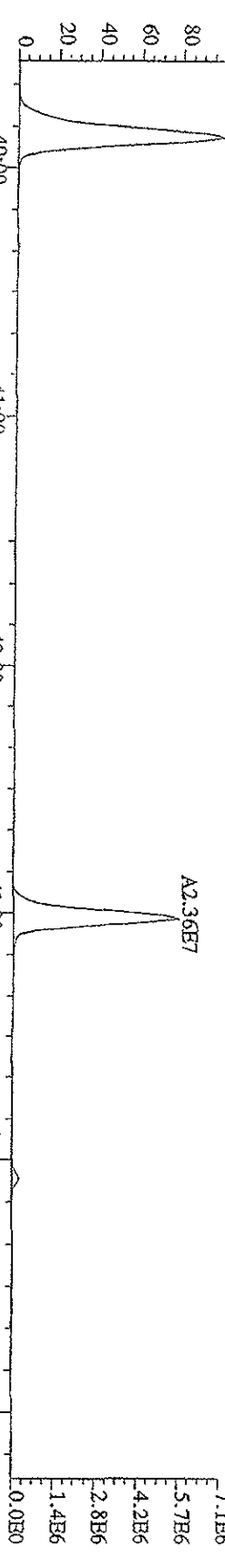
File:151A09D9D5 #1-395 Acq:16-JAN-2009 01:51:31 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#7 Text:ST011SE :2nd Source 09DXN055 Exp:209DB5  
 427.7635 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,708,0,0,0.00%,F,T)  
 100 % A4.70E7



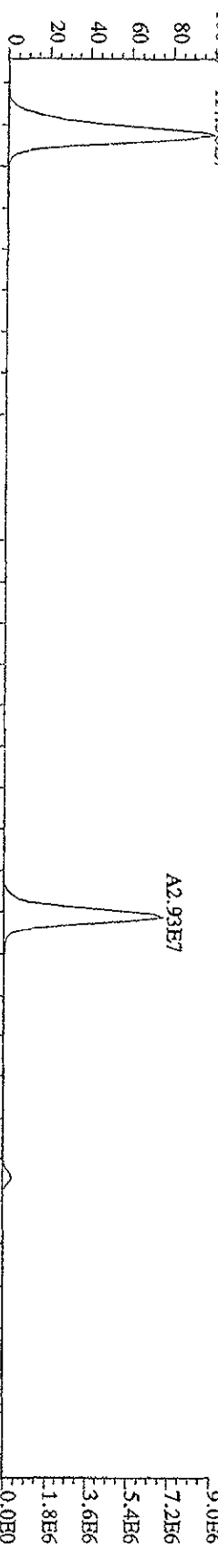
File:151A09D9D5 #1-378 Acq:16-JAN-2009 01:31:31 GC EI+ Voltage:519 Autospec-Ultimate  
 Sample#7 Text:ST015E :2nd Source 09DXN055 Exp:209DB5  
 427.7635 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8132,0,0,00%,F,T)  
 100% A3.55E7



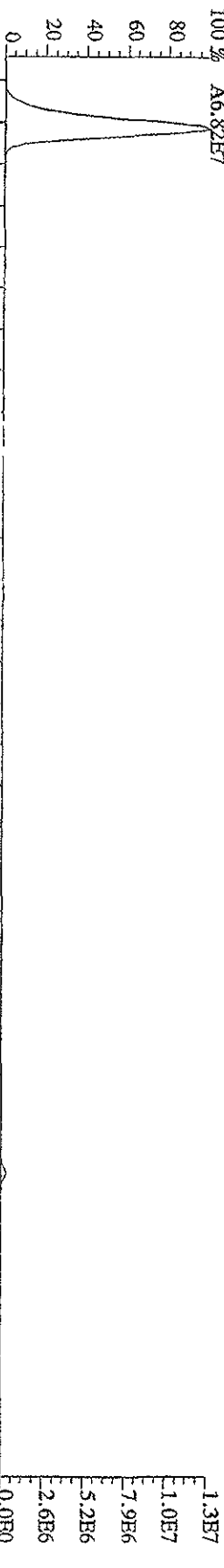
File:151A09D9D5 #1-378 Acq:16-JAN-2009 01:35:31 GC EI+ Voltage 51V Autospec-Ultimate  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:209DB5  
 461.7245 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1768,0,0,00%,F,T)  
 100% A3.60E7



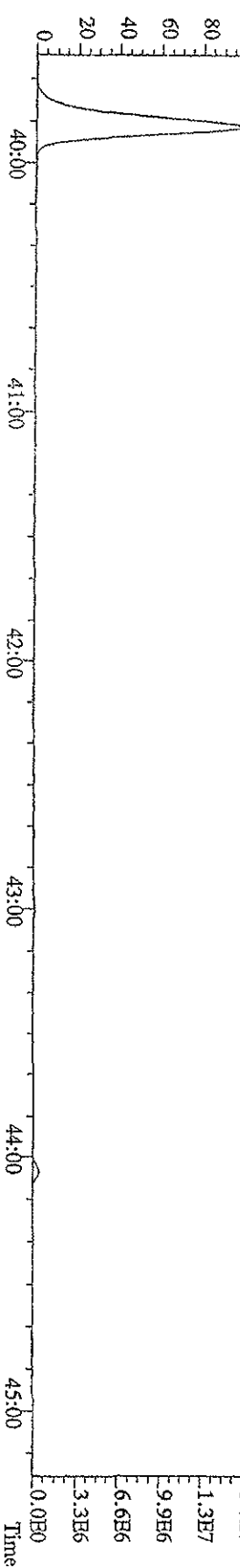
463.7216 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,756,0,0,00%,F,T)  
 100% A4.58E7



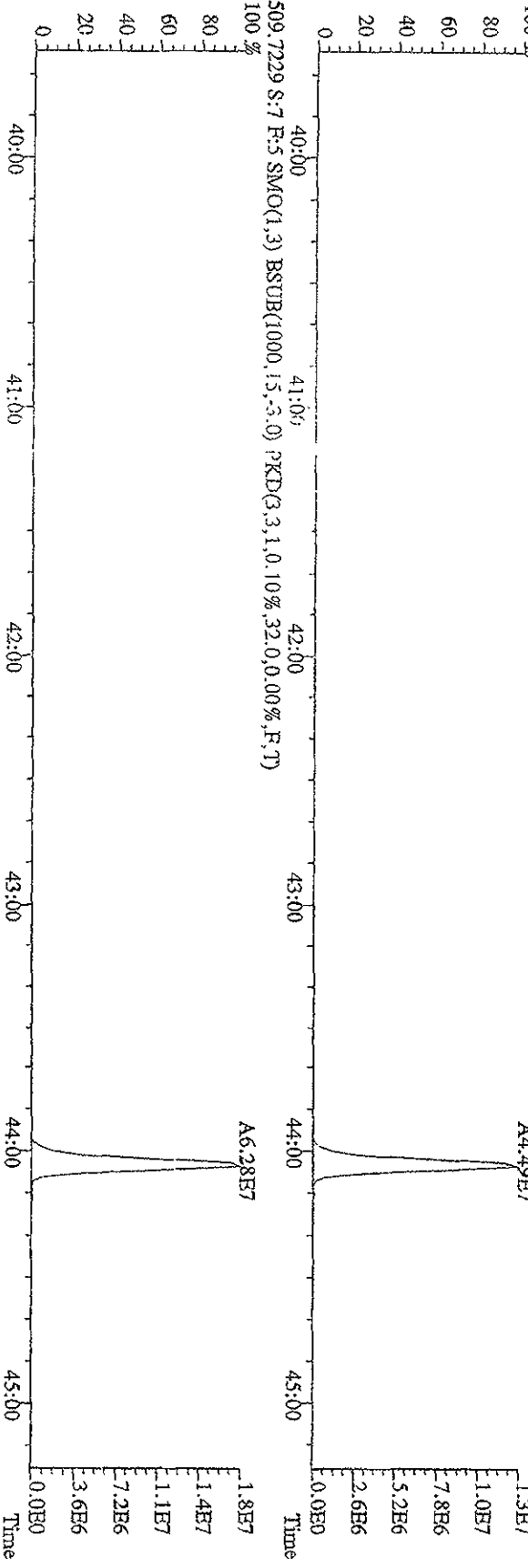
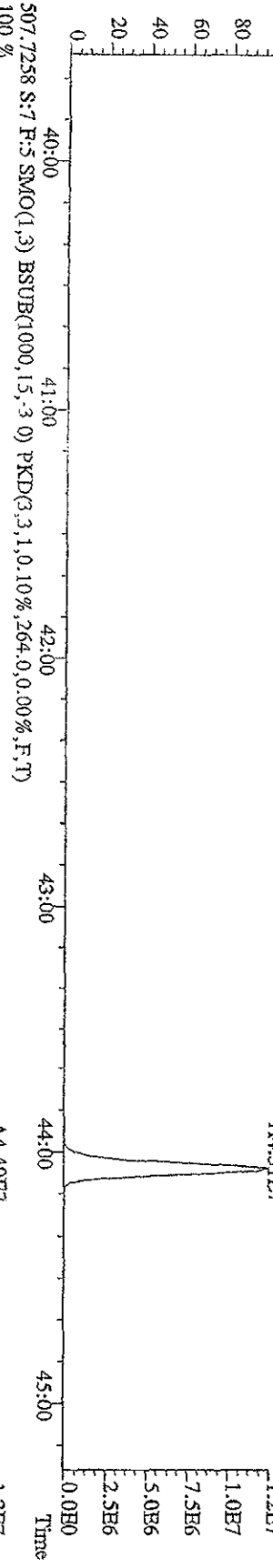
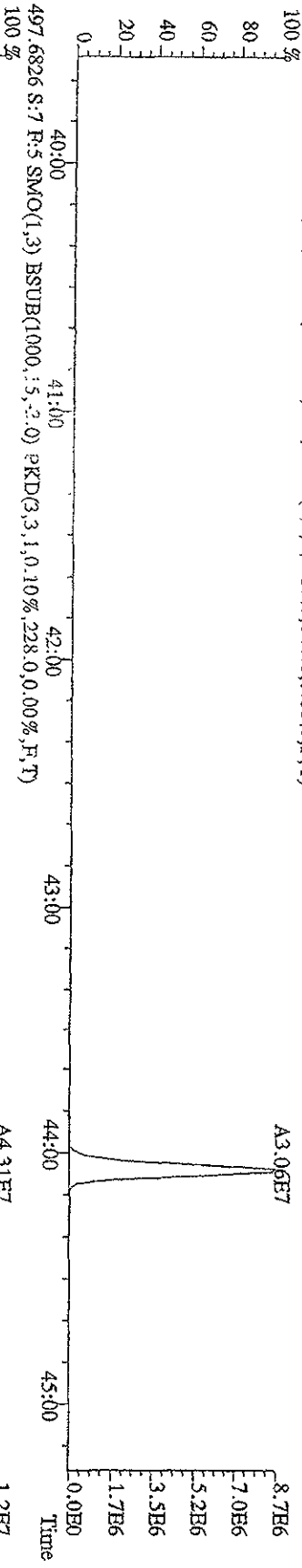
473.7648 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,24,0,0,00%,F,T)  
 100% A6.82E7



475.7619 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,868,0,0,00%,F,T)  
 100% A8.55E7



File: 151A09D9DD5 #1-378 Acq: 16-JAN-2009 01:33:31 GC EI + Voltage SIR Autospec-UltimaE  
Sample#7 Text: ST0115E 2nd Source 09DXN055 Exp: 209DB5  
495.6836 S: 7 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,228,0,0,00%,F,T)



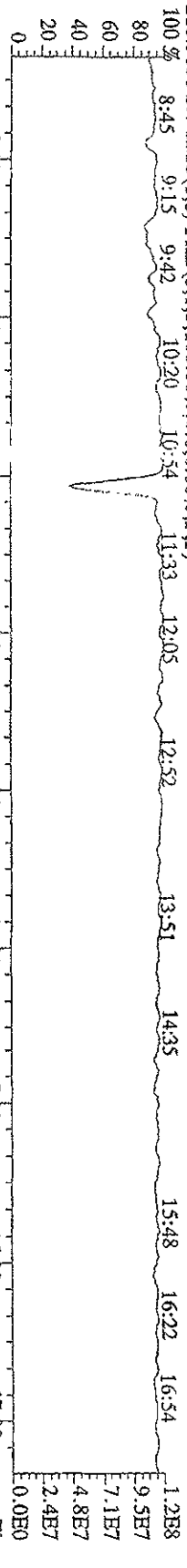


File:151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage STR Autospec-Ultimate

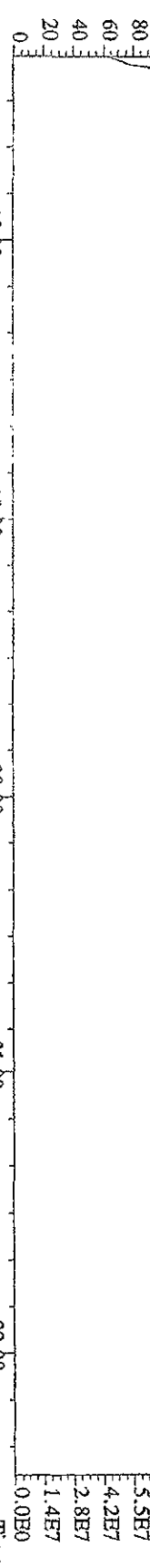
Sample#7 Text:ST015E :2nd Source 09DXN635 Exp:209DB5

218.9856 S:7 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)

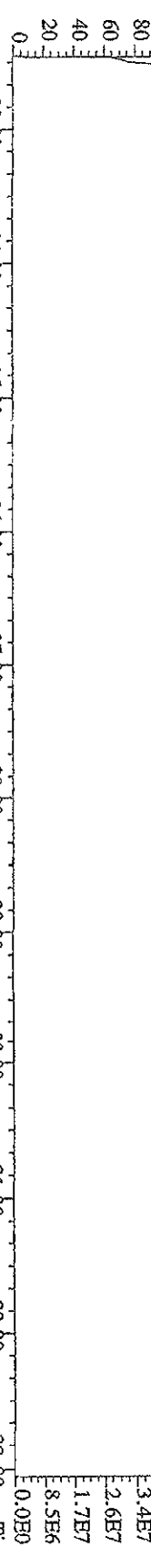
100% 8:45 9:15 9:42 10:20 10:54 11:33 12:05 12:52 13:51 14:35 15:48 16:22 16:54



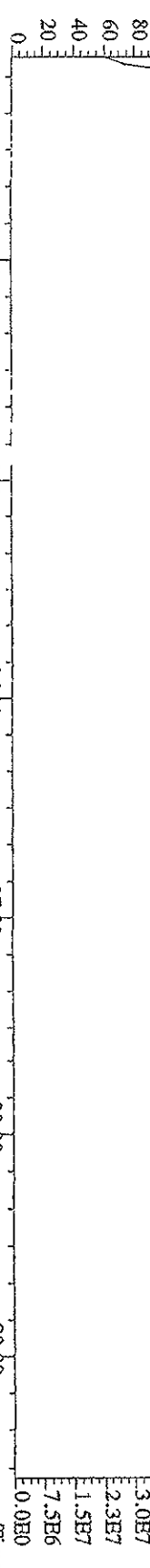
330.9792 S:7 F:2 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



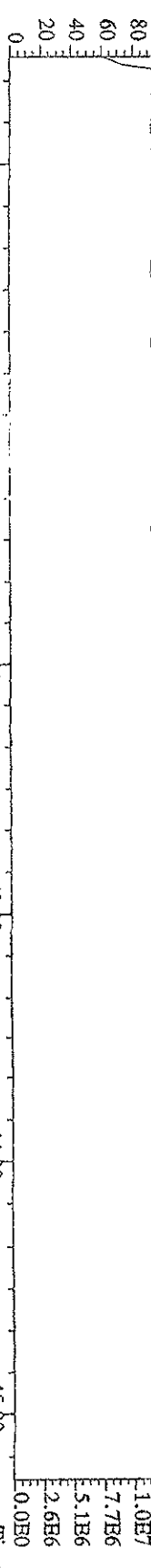
380.9760 S:7 F:3 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



380.9760 S:7 F:4 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



480.9696 S:7 F:5 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: WM Lot Number: G9C310247 Date: 4/2/09  
 Test: 1668 PCB Batch Number: 9093277 SOP Reference Number: SAC-10-0013  
 Extraction: 1. Soxhlet On: 1430 Off: 9:00 2. Soxhlet On: NA Off: NA

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or µL) (circle one)	Final Conc'n
<u>G9C310247 - MB</u>	<u>puff head</u>	<u>4/2/09 5</u>	<u>4/2/09 5</u>	<u>/</u>	<u>26.0</u>	<u>/</u>
<u>- LCS</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>20.0</u>	<u>/</u>
<u>- 1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>4-6-09</u>	<u>20.0</u>	<u>4-6-09</u>
<u>- 2</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>20.0</u>	<u>/</u>
<u>- 3</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>20.0</u>	<u>/</u>
<u>- 4</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>20.0</u>	<u>/</u>
<u>4/2/09</u>						

All Samples/ Internal Standard (IS) addition: Standard Name: 1668 daily IS EXP: 12/16/09  
 Spike ID Number: 082003830 Volume: 200 µL Conc: 20 PS/µL  
 Spiked By: CR Witnessed By: SV Date: 4/2/09

LCS/LCSD: Standard Name: 1668 PCB native Spike  
 Spike ID Number: ST20145-08 Volume: 200 µL Conc: 20 PS/µL EXP: 7/15/09  
 Spiked By: CR Witnessed By: SV Date: 4/2/09

Pre-spike samples: MB only Standard Name: 1668 PCB pre-spike Surrogate  
 Spike ID Number: ST20217-08 Volume: 40 µL Conc: 100 PS/µL EXP: 8/21/09  
 Spiked By: CR Witnessed By: SV Date: 4/2/09

All Samples/Recovery Standard: Standard Name: Daily RS  
 Spike ID Number: Daily RS 01000094 Volume: 20 µL Conc: 100 PS/µL  
 Spiked By: J Witnessed By: BGS Date: 4-6-09

Split/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
<u>T.L. 04/06/09</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
DCM	JT Baker	NA	20% DCM:Hexane	NA	NA
<u>Toluene</u>	JT Baker	<u>G43N60</u>	65% DCM Hexane	NA	NA
Hexane	JT Baker	<u>NA 011814</u>	Silica Gel	<u>Whatman</u>	<u>22-22</u>
H2SO4	JT Baker	NA	Acid Alumina	NA	NA

Comments: \_\_\_\_\_

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 4/28/09  
Time: 13:17:02

LEV	LEV	LEV	LEV
1	2	1	2
-	Blank	-	Weights/Volumes
-	Check	-	Spike & Surrogate Worksheet
-	MS/MSD	-	Vial contains correct volume
-		-	Labels, greenbars, worksheets
-		-	Computer batch: correct & all match
-		-	Anomalies to Extraction Method

Extractionist: \_\_\_\_\_

Concentrationist: \_\_\_\_\_

\*\*\*\*\*  
 \* QC BATCH: 9093277 \*  
 \* \*\*\*\*\* \*

Expanded Deliverable  
 CoC Completed  
 Bench Sheet Copied  
 Package Submitted to AnalyticalGroup  
 Bench Sheet Copied per CoC

PRRP DATE: 4/02/09 14:30  
 COMP DATE: 4/06/09 15:00

Reviewer/Date: NGUYENE / 4/06/09

PCBS, HRGC/HRMS (1668)  
SOXHLET (NONE, Na2SO4)

EXTR EXTR	ANL DUE	LOT# WORK ORDER	MSRPN# / ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	INIT ADJ1	PH <sup>u</sup> S ADJ2	EXTRACTION VOL	SOLVENTS VOL EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
3/06/10	4/28/09	G9C310247-001	K9DNI-1-AA		11 Q8	AIR	1 20.00uL	NA	NA	NA	TOLUENE	700.0	.0 200UL/09DXN117/1668 IS
COMMENTS:													
3/06/10	4/28/09	G9C310247-002	K9DN8-1-AA		11 Q8	AIR	1 20.00uL	NA	NA	NA	TOLUENE	700.0	.0 200UL/09DXN117/1668 IS
COMMENTS:													
3/06/10	4/28/09	G9C310247-003	K9DPC-1-AA		11 Q8	AIR	1 20.00uL	NA	NA	NA	TOLUENE	700.0	.0 200UL/09DXN117/1668 IS
COMMENTS:													
3/06/10	4/28/09	G9C310247-004	K9DPF-1-AA		11 Q8	AIR	1 20.00uL	NA	NA	NA	TOLUENE	700.0	.0 200UL/09DXN117/1668 IS
COMMENTS:													
3/06/10	0/00/00	G9D030000-277	K9J7L-1-AAB		11 Q8	AIR	1 20.00uL	NA	NA	NA	TOLUENE	700.0	.0 200UL/09DXN117/1668 IS
COMMENTS:													
3/06/10	0/00/00	G9D030000-277	K9J7L-1-ACC		11 Q8	AIR	1 20.00uL	NA	NA	NA	TOLUENE	700.0	.0 200UL/STD014508/1668 NS 200UL/09DXN117/1668 IS
COMMENTS:													

R = RUSH C = CLP  
 E = EPA 600 D = EXP. DEL  
 M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 6

## Preparation Data Review Checklist

Prep Batch(es) \_\_\_\_\_ Test: DX16LE-A  
 Prep Date: 4/2/09 Holding Times: 3/6/10 NCM: Y N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: *[Signature]* Date: 4/2/09  
 2<sup>nd</sup> Level Reviewer: *[Signature]* Date: 4/6/09  
 Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Method ID 1668M (AIR)

Lot # G9C310247

Analyst (Print Name) Kyle Stephens

Analyst Initials KGS

Date 4/13/09

<u>Sample#</u>	<u>Original F.V. (uL)</u>	<u>Aliquot (uL)</u>	<u>Dilution F.V. (uL)</u>	<u>Dilution Factor</u>
-1	20	2.0	10.0	5x
-2	20	2.0	10.0	5x
-3	20	2.0	10.0	5x
-4	20	2.0	10.0	5x

Comments:

matrix

Data Checklist  
HRGCMS/LRGCMS Analyses

Lot ID #: G9C310247 Method ID: 1668  
 Sample # 1-4

Data Analyst: zmo DB-5 DB-225  
 Date initiated: 04/22/09  
 Reviewer: Sh  
 Date reviewed: 4/28/09

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Method Blank present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-LCS/DCS copy present and meets native recovery criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard recoveries within limits?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Ion ratios within + 15% of theoretical values?	<u>See NCM</u>	<u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>
-Other QC (Dup,MS,SD) within specs?*	<u>NA</u>	<u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All raw data present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Standard target DL's used? If RL's are used specify: <u>100pp</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-DL's below TDL (LCL (please circle)?)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All positives reported at levels greater than method blank DL's?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Correct RRF's used for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard amounts correct for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Target analytes are not saturated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Dilution/splitting of extract taken into account?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Have dilution calculations been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Has a manual calculation for the sequence(s) been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Are retention times (RT) correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Manual integrations checked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments: (Use other side if necessary)

* Recovery limits:	**RPD limits:
NCASI 551: 40-120%***	50%
Method 8290: 40-135%***	20%
Method 1613: 25-150%***	50%
Method 23: 40-130%***(C14-C16), 25-130%(C17-8), 70-130%(sur.)	50%
PCBs: 25-150%***	50%
Method 8280: 40-120%***	
DFLM01.0: 25-150%***	
Method 1614 25-150%***	

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

June 8, 2009

**TestAmerica Project Number: G9D300218**

PO/Contract: 0742-816-03

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on April 30, 2009. These samples are associated with your KHF project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager



## Table of Contents

# TestAmerica West Sacramento Project Number G9D300218

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5

    Sample Data Sheets

    Method Blank Report

    Laboratory QC Reports

Full Raw Data Package

## Case Narrative

### TestAmerica West Sacramento Project Number G9D300218

#### AIR, 1668, WHO PCB congeners

Samples: 2, 4

The PCB 77 detection limits have been elevated for these samples due to matrix interferences. These detection limits are flagged with a "G" qualifier and may be considered maximum possible concentrations.

There are no other anomalies associated with this project.

**TestAmerica Laboratories West Sacramento Certifications/Accreditations**

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	NA

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

**QC Parameter Definitions**

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G9D300218

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LA4RR	1	APR-09-UMSI-TO9A	4/4/2009 12:01 AM	4/30/2009 09:30 AM
LA4R1	2	APR-09-DMSI-TO9A	4/4/2009 12:01 AM	4/30/2009 09:30 AM
LA4R2	3	APR-09-MSP-TO9A	4/4/2009 12:01 AM	4/30/2009 09:30 AM
LA4R3	4	APR-09-MSP-ALT-TO9A	4/4/2009 12:01 AM	4/30/2009 09:30 AM
LA4R4	5	APR-09-BLANK-TO9A-MPS	4/4/2009 12:01 AM	4/30/2009 09:30 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Sampler ID \_\_\_\_\_  
 Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

TAL-4124-280 (0508)

Client: CHEN. WASTE MGMT. INC. Project Manager: PAUL TUREK Date: 04/29/09 Chain of Custody Number: 106568  
 Address: 35251 OLD SKYLINE ROAD Telephone Number (Area Code)/Fax Number: \_\_\_\_\_ Lab Number: \_\_\_\_\_ Page: 1 of 1  
 City: KETTLEWEE CITY State: CA Zip Code: 93239 Site Contact: STEVEN HOLMQUIST Lab Contact: KAREN DAHL  
 Project Name and Location (State): KMF Carrier/Waybill Number: FEO EX

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
<u>APR-09 - UAS1 - T09A</u>	<u>07/04/09</u>	<u>0001</u>	<u>X</u>												
<u>APR-09 - DMS1 - T09A</u>			<u>X</u>												
<u>APR-09 - MPS - T09A</u>			<u>X</u>												
<u>APR-09 - MPS-ALT - T09A</u>			<u>X</u>												
<u>APR-09 - BLANK-T09A - MPS</u>			<u>X</u>												
<u>TEMP BLANK</u>			<u>X</u>												

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months \_\_\_\_\_ Months \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: STD

QC Requirements (Specify):

1. Relinquished By	<u>SE E Han</u>	Date	<u>04/29/09</u>	Time	<u>1700</u>
2. Relinquished By		Date		Time	
3. Relinquished By		Date		Time	

Received By: C. Lenz Date: 4/30/09 Time: 1055

Comments: \_\_\_\_\_

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

CLIENT Wenck PM KD LOG# 58216

LOT# (QUANTIMS ID) G9D300218 QUOTE# 81307 LOCATION W14D

DATE RECEIVED 4/30/09 TIME RECEIVED 0930 Initials ew Date 4/30/09

DELIVERED BY  FEDEX  CA OVERNIGHT  CLIENT  
 AIRBORNE  GOLDENSTATE  DHL  
 UPS  BAX GLOBAL  GO-GETTERS  
 TAL COURIER  VALLEY LOGISTICS  MORGAN HILL COURIER  
 OTHER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) 270630, 015810

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER

COC #(S) 106568

TEMPERATURE BLANK Observed: 2 Corrected: 2

SAMPLE TEMPERATURE

Observed: NA Average: \_\_\_\_\_ Corrected Average: \_\_\_\_\_

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)<sup>\*1</sup>  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Notes: \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE.

Lot

ID:

69D300218

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF	/	/	/	/	/															
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

# AIR, 1668, WHO PCB congeners



Wenck Associates, Inc.

Client Sample ID: APR-09-UMSI-T09A

Trace Level Organic Compounds

Lot-Sample #....: G9D300218-001    Work Order #....: LA4RR2AA    Matrix.....: AIR  
 Date Sampled....: 04/04/09    Date Received...: 04/30/09  
 Prep Date.....: 05/27/09    Analysis Date...: 06/03/09  
 Prep Batch #....: 9147275  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>1400 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	81	(25 - 150)
13C12-PCB 81	79	(25 - 150)
13C12-PCB 118	89	(25 - 150)
13C12-PCB 114	91	(25 - 150)
13C12-PCB 105	92	(25 - 150)
13C12-PCB 126	107	(25 - 150)
13C12-PCB 167	94	(25 - 150)
13C12-PCB 156	94	(25 - 150)
13C12-PCB 157	95	(25 - 150)
13C12-PCB 169	99	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	85	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: APR-09-DMSI-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9D300218-002    Work Order #...: LA4R12AA    Matrix.....: AIR  
 Date Sampled...: 04/04/09    Date Received...: 04/30/09  
 Prep Date.....: 05/27/09    Analysis Date...: 06/03/09  
 Prep Batch #...: 9147275  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	1500	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>3700 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>8000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	80	(25 - 150)
13C12-PCB 81	82	(25 - 150)
13C12-PCB 118	87	(25 - 150)
13C12-PCB 114	88	(25 - 150)
13C12-PCB 105	91	(25 - 150)
13C12-PCB 126	91	(25 - 150)
13C12-PCB 167	99	(25 - 150)
13C12-PCB 156	98	(25 - 150)
13C12-PCB 157	99	(25 - 150)
13C12-PCB 169	68	(25 - 150)
13C12-PCB 180	99	(25 - 150)
13C12-PCB 170	100	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	95	(25 - 150)

**NOTE(S) :**

- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: APR-09-MSP-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9D300218-003    Work Order #...: LA4R22AA    Matrix.....: AIR  
 Date Sampled...: 04/04/09    Date Received...: 04/30/09  
 Prep Date.....: 05/27/09    Analysis Date...: 06/03/09  
 Prep Batch #...: 9147275  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>1900 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>4300 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	77	(25 - 150)
13C12-PCB 81	74	(25 - 150)
13C12-PCB 118	84	(25 - 150)
13C12-PCB 114	84	(25 - 150)
13C12-PCB 105	86	(25 - 150)
13C12-PCB 126	91	(25 - 150)
13C12-PCB 167	91	(25 - 150)
13C12-PCB 156	92	(25 - 150)
13C12-PCB 157	92	(25 - 150)
13C12-PCB 169	88	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	85	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: APR-09-MSP-ALT-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9D300218-004    Work Order #...: LA4R32AA    Matrix.....: AIR  
 Date Sampled...: 04/04/09    Date Received...: 04/30/09  
 Prep Date.....: 05/27/09    Analysis Date...: 06/03/09  
 Prep Batch #...: 9147275  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	1600	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>3900 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>8200 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	88	(25 - 150)
13C12-PCB 81	86	(25 - 150)
13C12-PCB 118	96	(25 - 150)
13C12-PCB 114	100	(25 - 150)
13C12-PCB 105	101	(25 - 150)
13C12-PCB 126	112	(25 - 150)
13C12-PCB 167	99	(25 - 150)
13C12-PCB 156	98	(25 - 150)
13C12-PCB 157	100	(25 - 150)
13C12-PCB 169	65	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	83	(25 - 150)

**NOTE (S) :**

- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: APR-09-BLANK-TO9A-MPS

Trace Level Organic Compounds

Lot-Sample #...: G9D300218-005    Work Order #...: LA4R42AA    Matrix.....: AIR  
 Date Sampled...: 04/04/09    Date Received...: 04/30/09  
 Prep Date.....: 05/27/09    Analysis Date...: 06/03/09  
 Prep Batch #...: 9147275  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	65	(25 - 150)
13C12-PCB 81	64	(25 - 150)
13C12-PCB 118	69	(25 - 150)
13C12-PCB 114	68	(25 - 150)
13C12-PCB 105	70	(25 - 150)
13C12-PCB 126	76	(25 - 150)
13C12-PCB 167	86	(25 - 150)
13C12-PCB 156	89	(25 - 150)
13C12-PCB 157	89	(25 - 150)
13C12-PCB 169	71	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	97	(25 - 150)

# QC DATA ASSOCIATION SUMMARY

G9D300218

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9123026	
	AIR	EPA-14 1668		9147275	
002	AIR	EPA-14 1668		9123026	
	AIR	EPA-14 1668		9147275	
003	AIR	EPA-14 1668		9123026	
	AIR	EPA-14 1668		9147275	
004	AIR	EPA-14 1668		9123026	
	AIR	EPA-14 1668		9147275	
005	AIR	EPA-14 1668		9123026	
	AIR	EPA-14 1668		9147275	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9D300218  
 MB Lot-Sample #: G9E270000-275

Work Order #...: LDRQM1AA

Matrix.....: AIR

Prep Date.....: 05/27/09

Analysis Date...: 06/03/09

Prep Batch #...: 9147275

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	67	(25 - 150)
13C12-PCB 81	67	(25 - 150)
13C12-PCB 118	71	(25 - 150)
13C12-PCB 114	69	(25 - 150)
13C12-PCB 105	72	(25 - 150)
13C12-PCB 126	75	(25 - 150)
13C12-PCB 167	87	(25 - 150)
13C12-PCB 156	90	(25 - 150)
13C12-PCB 157	89	(25 - 150)
13C12-PCB 169	96	(25 - 150)
13C12-PCB 180	92	(25 - 150)
13C12-PCB 170	95	(25 - 150)

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 111	92	(25 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9D300218      Work Order #...: LDRQMLAC      Matrix.....: AIR  
 LCS Lot-Sample#: G9E270000-275  
 Prep Date.....: 05/27/09      Analysis Date...: 06/03/09  
 Prep Batch #...: 9147275  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	4230	pg	106	EPA-14 1668
PCB 81 (BZ)	4000	4350	pg	109	EPA-14 1668
PCB 105 (BZ)	4000	4260	pg	107	EPA-14 1668
PCB 114 (BZ)	4000	4320	pg	108	EPA-14 1668
PCB 118 (BZ)	4000	4450	pg	111	EPA-14 1668
PCB 123 (BZ)	4000	4300	pg	108	EPA-14 1668
PCB 126 (BZ)	4000	4120	pg	103	EPA-14 1668
PCB 156 (BZ)	4000	4160	pg	104	EPA-14 1668
PCB 157 (BZ)	4000	4630	pg	116	EPA-14 1668
PCB 167 (BZ)	4000	4220	pg	106	EPA-14 1668
PCB 169 (BZ)	4000	4090	pg	102	EPA-14 1668
PCB 189 (BZ)	4000	4240	pg	106	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	77	(25 - 150)
13C12-PCB 81	81	(25 - 150)
13C12-PCB 118	67	(25 - 150)
13C12-PCB 114	72	(25 - 150)
13C12-PCB 105	68	(25 - 150)
13C12-PCB 126	67	(25 - 150)
13C12-PCB 167	100	(25 - 150)
13C12-PCB 156	103	(25 - 150)
13C12-PCB 157	97	(25 - 150)
13C12-PCB 169	108	(25 - 150)
13C12-PCB 180	98	(25 - 150)
13C12-PCB 170	104	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G9D300218      Work Order #...: LDRQM1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9E270000-275  
 Prep Date.....: 05/27/09      Analysis Date...: 06/03/09  
 Prep Batch #...: 9147275  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	106	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	109	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	107	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	108	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	111	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	108	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	103	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	104	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	116	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	106	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	102	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	106	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	77	(25 - 150)
13C12-PCB 81	81	(25 - 150)
13C12-PCB 118	67	(25 - 150)
13C12-PCB 114	72	(25 - 150)
13C12-PCB 105	68	(25 - 150)
13C12-PCB 126	67	(25 - 150)
13C12-PCB 167	100	(25 - 150)
13C12-PCB 156	103	(25 - 150)
13C12-PCB 157	97	(25 - 150)
13C12-PCB 169	108	(25 - 150)
13C12-PCB 180	98	(25 - 150)
13C12-PCB 170	104	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# AIR, 1668, WHO PCB congeners

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

Name: 03JUN0910D5\_5, Date: 03-Jun-2009, Time: 15:19:39, ID: , Description: G9D300218-1MBRX, Task:

LA9D5 1A A = LDRAM 1A A

Vg 6.5.09

RL = 1000

3  
21 of 180

# Name	Trace	Sample Size	RT	Prod RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	0.250	31.98	32.13	18021...	1688128.31	374.6842	374.6842	4.7	0.13272	0.63	NO	
2													
3 13C-TeCB-81	301.963	0.250	33.89	33.92	1.03599	584501.02	2673.7211	2673.7211	66.8	2.99876	0.79	NO	
4 TeCB-81	289.922	0.250		33.90	1.44583					0.97130		NO	
5 13C-TeCB-77	301.963	0.250	34.57	34.63	1.08641	613058.28	2674.1939	2674.1939	66.9	2.85958	0.79	NO	
6 TeCB-77	289.922	0.250		34.59	1.29292					1.06514		NO	
7													
8 13C-PeCB-123	335.924	0.250	36.25	36.25	0.95097	555331.66	2767.3805	2767.3805	69.2	2.97992	0.63	NO	
9 PeCB-123	323.883	0.250	36.44	36.27	1.51322	3027.00	14.4085	14.4085		1.06172	0.52	NO	
10 13C-PeCB-118	335.924	0.250	36.42	36.42	0.97393	585537.36	2849.1301	2849.1301	71.2	2.90968	0.64	NO	
11 PeCB-118/106	323.883	0.250	36.10	36.44	1.52848	91.71	0.4099	0.2574		1.02368	1.56	YES	
12 13C-PeCB-114	335.924	0.250	37.21	37.21	1.01913	595165.39	2767.5274	2767.5274	69.2	2.78063	0.63	NO	
13 PeCB-114	323.883	0.250		37.23	1.58175					0.99109		NO	
14 13C PeCB-105	335.924	0.250	38.27	38.28	0.96994	590372.64	2884.4835	2884.4835	72.1	2.92166	0.63	NO	
15 PeCB-105/127	323.883	0.250	38.28	38.28	1.41405	1184.53	5.6757	5.0827		1.10387	0.80	YES	
16 13C-PeCB-126	335.924	0.250	40.58	40.63	1.05005	666043.13	3005.9082	3005.9082	75.1	2.69874	0.62	NO	
17 PeCB-126	323.883	0.250		40.61	1.18292					1.17085		NO	
18													
19 13C-OCCB-202	439.804	0.250	43.39	43.51	22301....	1762297.06	316.0855	316.0855	4.0	0.06314	0.90	NO	
20													
21 13C-HXCB-167	371.882	0.250	41.95	41.98	0.92060	704205.53	3472.4671	3472.4671	86.8	2.35554	1.28	NO	
22 HXCB-167	359.841	0.250	41.87	41.98	1.34432	194.67	0.8225	0.6735		0.81084	1.74	YES	
23 13C-HXCB-156	371.882	0.250	43.53	43.56	0.74676	593156.02	3605.7770	3605.7770	90.1	2.90390	1.29	NO	
24 HXCB-156	359.841	0.250	43.53	43.56	1.67701	191.07	0.7683	0.2661		0.79148	5.47	YES	
25 13C-HXCB-157	371.882	0.250	43.90	43.95	0.78876	620949.19	3573.7282	3573.7282	89.3	2.74927	1.28	NO	
26 HXCB-157	359.841	0.250	46.13	43.91	1.65897					0.76074		NO	
27 13C-HXCB-169	371.882	0.250	46.13	46.19	0.84240	712462.19	3839.3368	3839.3368	96.0	2.67423	1.29	NO	
28 HXCB-169	359.841	0.250		46.16	1.15392					0.93467		NO	
29													
30 13C-HpCB-180	405.843	0.250	44.69	44.71	0.63199	510763.69	3668.7608	3668.7608	91.7	1.99239	1.05	NO	
31 HpCB-180	393.803	0.250	44.72	44.72	1.27271	806.37	4.9619	4.3346		1.04180	1.34	YES	
32 13C-HpCB-170	405.843	0.250	46.69	46.72	0.51406	430450.48	3801.2186	3801.2186	95.0	2.44948	1.05	NO	
33 HpCB-170	393.803	0.250	46.72	46.70	1.58019	293.38	1.7253	1.5465		1.00657	0.84	YES	
34 13C-HpCB-189	405.843	0.250	48.56	48.56	0.70062	621502.78	4026.9337	4026.9337	100.7	1.79724	1.04	NO	
35 HpCB-189	393.803	0.250		48.59	1.22015					0.79368		NO	

Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

Name: 03JUN0910D5\_5, Date: 03-Jun-2009, Time: 15:19:39, ID: , Description: G9D300218-1MBRX, Task:

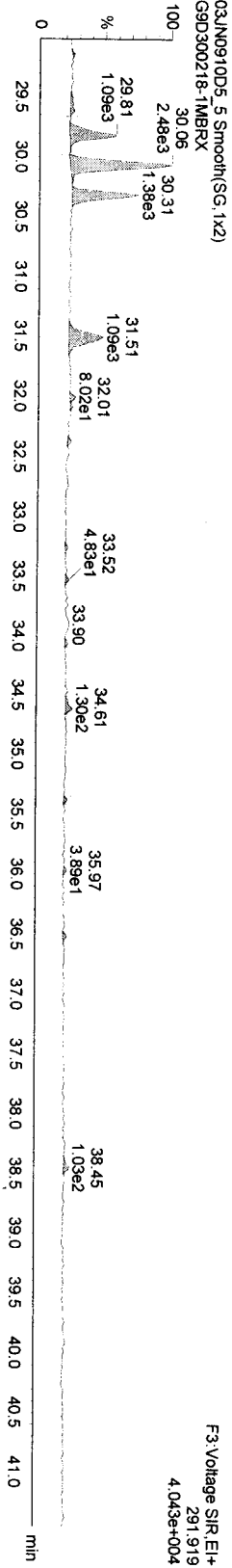
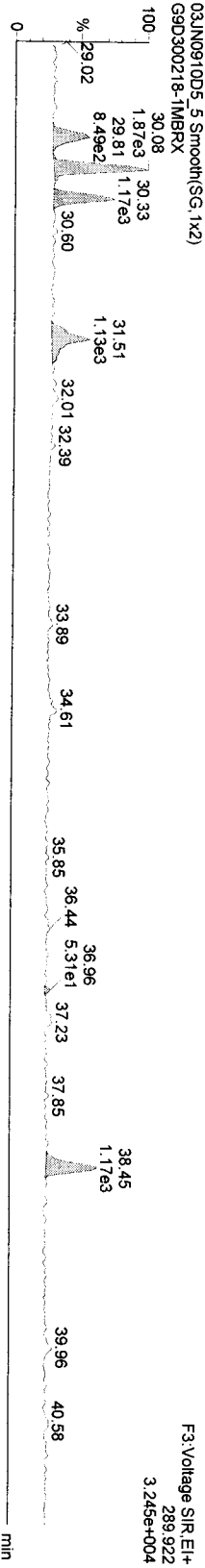
#	Name	Trace	Sample Size	RT	Ptd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
36															
37	13C-PeCB-111	335.924	0.250	33.75	33.90	1.28382		708720.91	3689.5496		92.2	3.40952	0.64	NO	
38															
39	Function 3 PFK	380.976	1.000												
40	Function 4 PFK	380.976	1.000												

Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

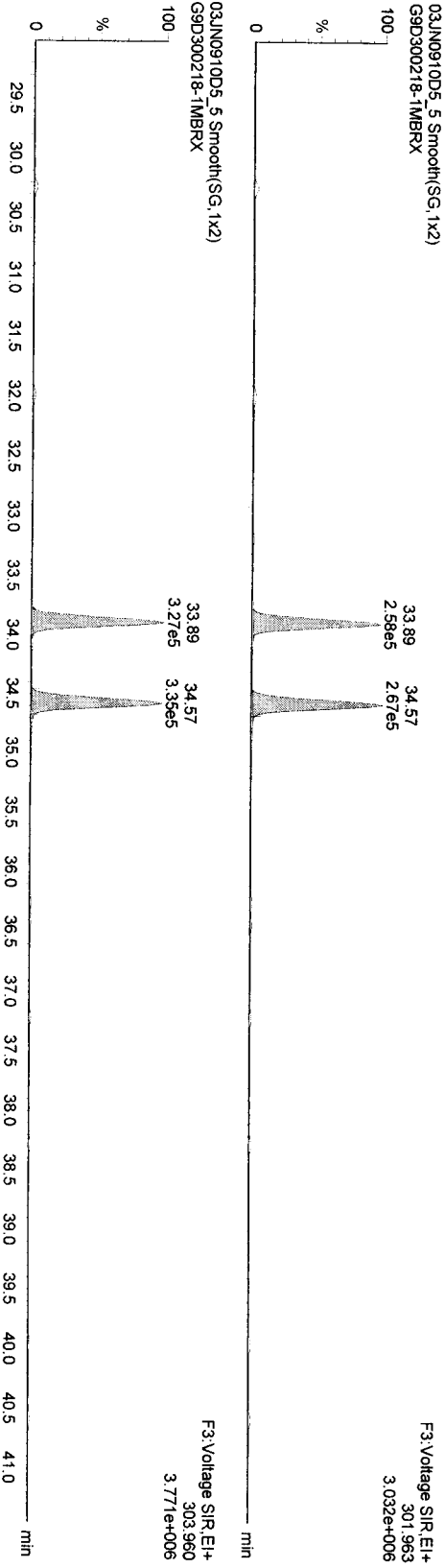
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_5, Date: 03-Jun-2009, Time: 15:19:39, ID: , Description: G9D300218-1MBRX

**TetraPCBs**



**13C-TetrasPCBs**

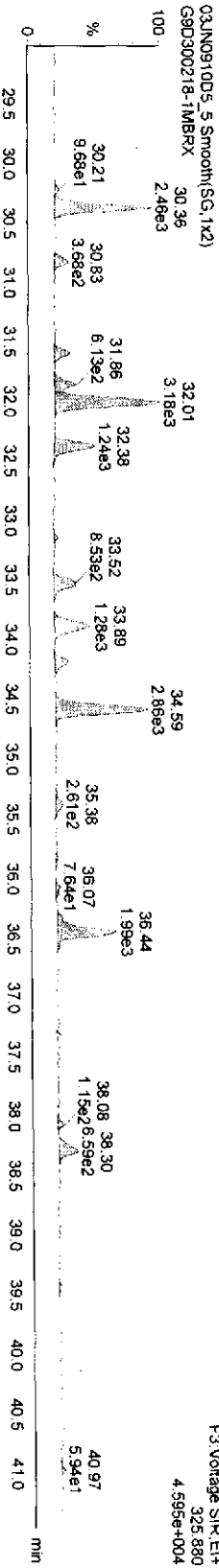
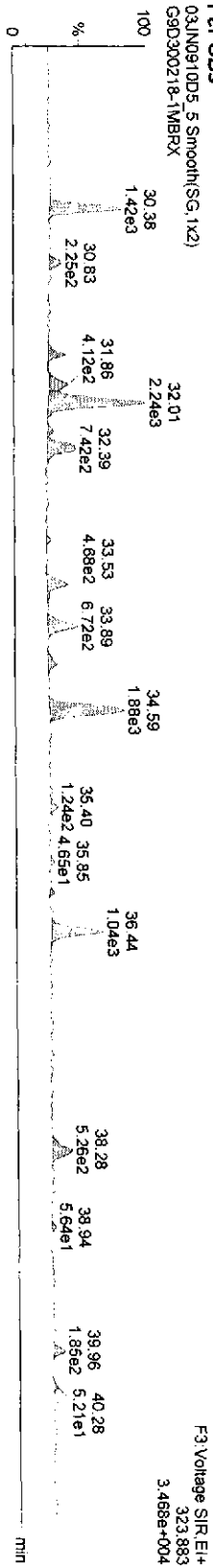


Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

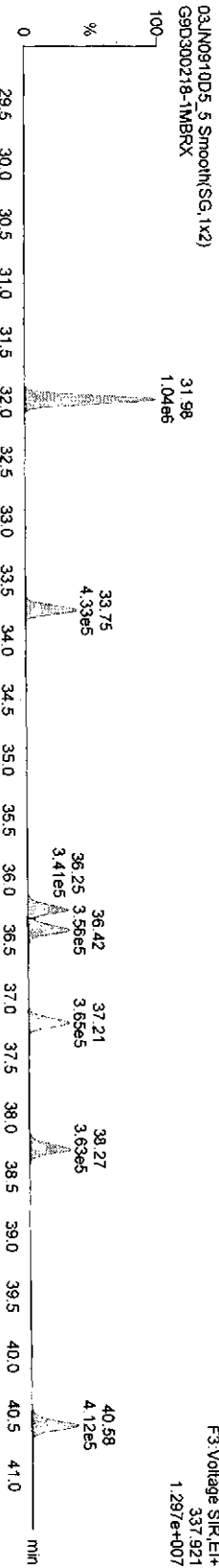
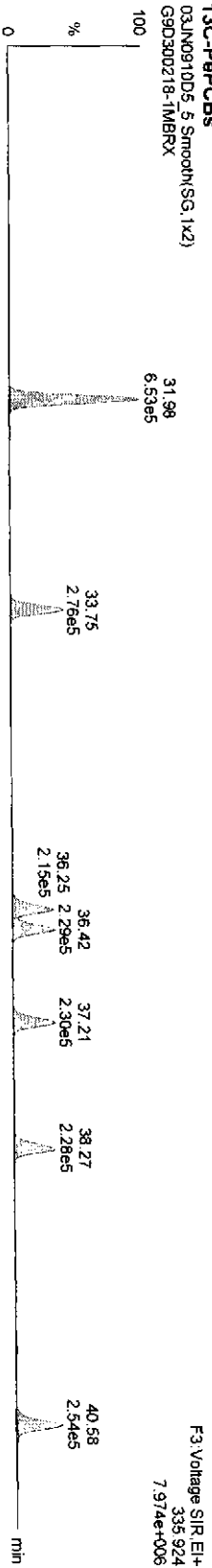
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_5, Date: 03-Jun-2009, Time: 15:19:39, ID: , Description: G9D300218-1MBRX

**PePCBs**



**13C-PePCBs**



Dataset: C:\MassLynx\Default\proj\03JUN0910D51668MSL.qid

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_5, Date: 03-Jun-2009, Time: 15:19:39, ID: , Description: G9D300218-1MBRX

HXPCBs-

03JUN0910D5\_5 Smooth(SG,1x2)  
G9D300218-1MBRX



03JUN0910D5\_5 Smooth(SG,1x2)  
G9D300218-1MBRX



13C-HXPCBs

03JUN0910D5\_5 Smooth(SG,1x2)  
G9D300218-1MBRX



03JUN0910D5\_5 Smooth(SG,1x2)  
G9D300218-1MBRX



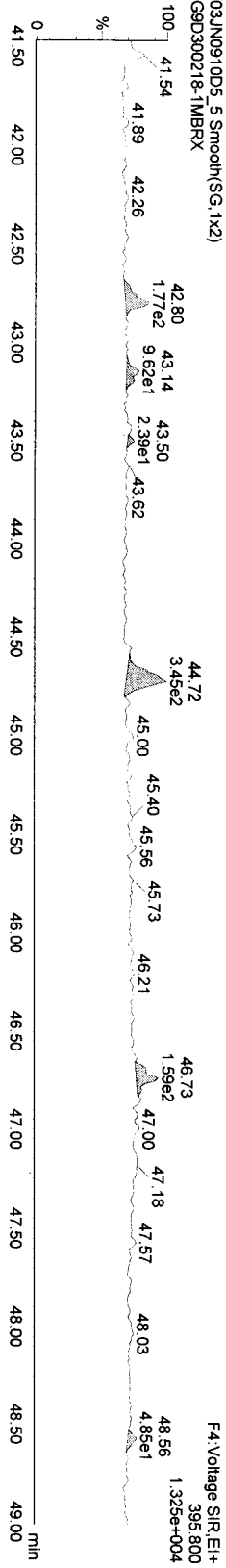
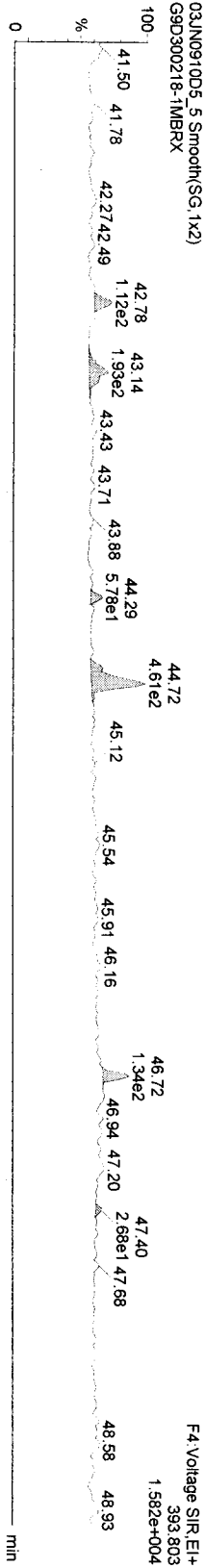


Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qid

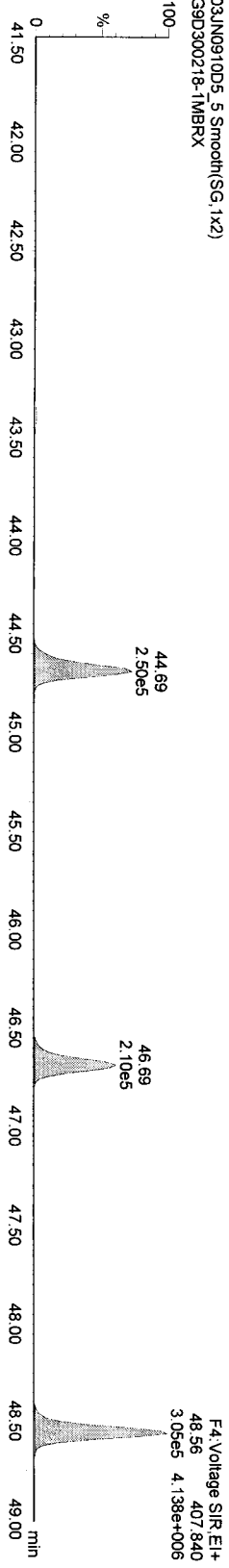
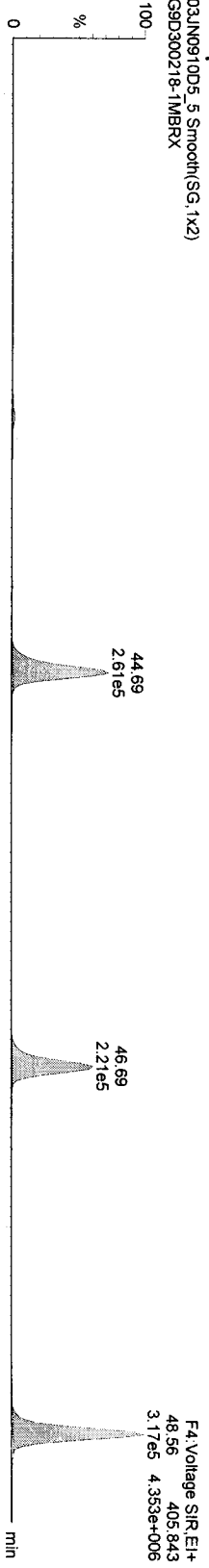
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_5, Date: 03-Jun-2009, Time: 15:19:39, ID: , Description: G9D300218-1MBRX

**HPPCBs**



**13C-HPPCBs**



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

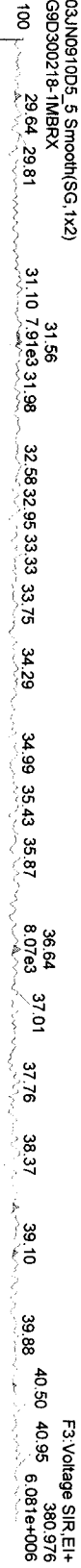
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_5, Date: 03-Jun-2009, Time: 15:19:39, ID: , Description: G9D300218-1MBRX

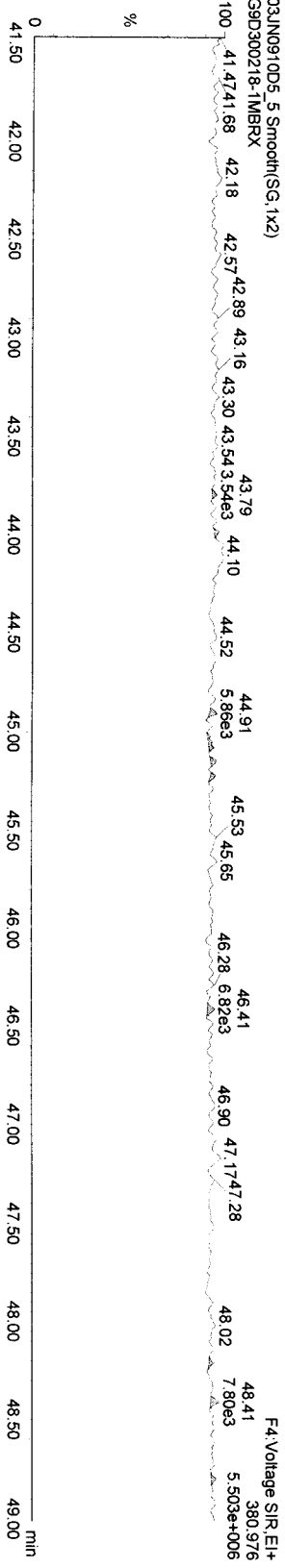
13C-OcCB-202



Function 3 PFK



Function 4 PFK



Quantity Sample Summary Report MassLynx 4.1

Dataset: \\terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:07:53 Pacific Daylight Time  
 Printed: Friday, June 05, 2009 10:11:17 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1668MSL10DB5.mdb 22 May 2009 10:05:00  
 Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\CA0528200910D51668MSL.cdb 29 May 2009 14:02:36

Name: 03JUN0910D5\_6, Date: 03-Jun-2009, Time: 16:16:31, ID: , Description: G9D300218-1LCSR, Task:

*L A 9 D S I A C = L D R Q M I A C*

*V865.09*

*(4)*

#	Name	Trace	Sample Size	RT	Pctd. RT	RRF	M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-PeCB-101	335.924	0.250	32.11	32.13	18021	....	915331.16	203.1600	203.1600	2.5	0.12933	0.6261	NO	
2															
3	13C-TeCB-81	301.963	0.250	34.04	34.05	1.03599		385876.16	3255.4122	3255.4122	81.4	8.23537	0.7931	NO	
4	TeCB-81	289.922	0.250	34.05	34.05	1.44583		607099.63	4352.6478	4352.6478	76.6	5.17673	0.7528	NO	
5	13C-TeCB-77	301.963	0.250	34.74	34.76	1.08641		381086.47	3065.8667	3065.8667	76.6	7.85314	0.8249	NO	
6	TeCB-77	289.922	0.250	34.76	34.76	1.29292		521162.16	4230.8411	4230.8411	72.1	5.78525	0.7389	NO	
7															
8	13C-PeCB-123	335.924	0.250	36.44	36.39	0.95097		350417.59	3220.5463	3220.5463	80.5	5.35520	0.6215	NO	
9	PeCB-123	323.883	0.250	36.47	36.45	1.51322		570681.05	4304.9291	4304.9291	66.7	5.23781	0.6107	NO	
10	13C-PeCB-118	335.924	0.250	36.62	36.55	0.97393		297146.22	2666.5829	2666.5829	66.7	5.22898	0.6162	NO	
11	PeCB-118/106	323.883	0.250	36.64	36.64	1.52848		505276.23	4449.9841	4449.9841	72.1	4.91977	0.6155	NO	
12	13C-PeCB-114	335.924	0.250	37.41	37.34	1.01913		336340.86	2884.4373	2884.4373	68.3	4.99704	0.6489	NO	05-Jun-09
13	PeCB-114	323.883	0.250	37.43	37.43	1.58175		574852.70	4322.1434	4322.1434	72.1	4.67074	0.6045	NO	
14	13C PeCB-105	335.924	0.250	38.47	38.42	0.96994		302983.44	2730.1590	2730.1590	68.3	5.25050	0.6269	NO	
15	PeCB-105/127	323.883	0.250	38.50	38.48	1.41405		456749.50	4264.3762	4264.3762	66.9	5.71702	0.6079	NO	
16	13C-PeCB-126	335.924	0.250	40.81	40.76	1.05005		321571.62	2676.5680	2676.5680	66.9	4.84989	0.6383	NO	05-Jun-09
17	PeCB-126	323.883	0.250	40.85	40.84	1.18292		391966.64	4121.6859	4121.6859	66.9	6.79266	0.5985	NO	05-Jun-09
18															
19	13C-OeCB-202	439.804	0.250	43.60	43.51	22301	....	752729.69	135.0095	135.0095	1.7	0.03317	0.8496	NO	
20															
21	13C-HxCB-167	371.882	0.250	42.21	42.19	0.92060		347188.34	4008.1495	4008.1495	100.2	7.04910	1.3119	NO	05-Jun-09
22	HxCB-167	359.841	0.250	42.23	42.24	1.34432		492462.55	4220.5191	4220.5191	103.4	8.69010	1.2153	NO	05-Jun-09
23	13C-HxCB-156	371.882	0.250	43.77	43.78	0.74676		290641.20	4136.4442	4136.4442	96.6	8.22735	1.2395	NO	05-Jun-09
24	HxCB-156	359.841	0.250	43.81	43.80	1.67701		507492.02	4164.8173	4164.8173	96.6	5.69658	1.2653	NO	05-Jun-09
25	13C-HxCB-157	371.882	0.250	44.15	44.16	0.78876		286829.27	3864.8176	3864.8176	107.7	8.22735	1.2208	NO	05-Jun-09
26	HxCB-157	359.841	0.250	44.18	44.16	1.65897		550224.73	4625.2746	4625.2746	107.7	5.37573	1.2746	NO	05-Jun-09
27	13C-HxCB-169	371.882	0.250	46.39	46.41	0.84240		341542.88	4309.0317	4309.0317	107.7	7.70352	1.2388	NO	05-Jun-09
28	HxCB-169	359.841	0.250	46.42	46.42	1.15392		402643.30	4086.5766	4086.5766	97.8	6.85580	1.0421	NO	05-Jun-09
29															
30	13C-HpCB-180	405.843	0.250	44.94	44.92	0.63199		232569.43	3911.0384	3911.0384	97.8	4.25432	1.0421	NO	
31	HpCB-180	393.803	0.250	44.97	44.97	1.27271		327075.84	4420.0483	4420.0483	97.8	3.54486	1.0338	NO	

Quantity Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:07:53 Pacific Daylight Time  
 Printed: Friday, June 05, 2009 10:11:17 Pacific Daylight Time

Name: 03JUN0910D5\_6, Date: 03-Jun-2009, Time: 16:16:31, ID: , Description: G9D300218-1LC SRX, Task:

#	Name	Trace	Sample Size	RT	Pid	RT	RRF	M...	Abs	Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod	Date	
32	13C-HpCB-170	405.843	0.250	46.93	46.93	0.51406		200566.23		4146.6514		4146.6514	103.7	5.23035	1.0471	NO			
33	HpCB-170	393.803	0.250	46.95	46.95	1.58019		348504.38		4398.4652		4398.4652	101.4	3.25819	1.0430	NO			
34	13C-HpCB-189	405.843	0.250	48.79	48.78	0.70062		267296.87		4054.7618		4054.7618	101.4	3.83762	1.0843	NO		05-Jun-09	
35	HpCB-189	393.803	0.250	48.81	48.82	1.22015		345808.31		4241.1918		4241.1918	2.97654	1.0541		NO		05-Jun-09	
36																			
37	13C-PeCB-111	335.924	0.250														NO		
38																			
39	Function 3 PFK	380.976	1.000																
40	Function 4 PFK	380.976	1.000																

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

LA9D51A = LDRAM 1A

Name: 03JUN0910D5\_6, Date: 03-Jun-2009, Time: 16:16:31, ID: , Description: G9D300218-1LCsRX, Task:

# Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	0.250	32.11	32.13	18021....	915331.16	203.1600	203.1600	2.5	0.12933	0.63	NO	
2													
3 13C-TeCB-81	301.963	0.250	34.04	34.05	1.03599	385876.16	3255.4122	3255.4122	81.4	8.23537	0.79	NO	
4 TeCB-81	289.922	0.250	34.05	34.05	1.44583	607099.63	4352.6478	4352.6478	108.8	5.17673	0.75	NO	
5 13C-TeCB-77	301.963	0.250	34.74	34.76	1.08641	381096.47	3065.8667	3065.8667	76.6	7.85314	0.82	NO	
6 TeCB-77	289.922	0.250	34.76	34.76	1.29292	521162.16	4230.8411	4230.8411	105.8	5.78525	0.74	NO	
7													
8 13C-PeCB-123	335.924	0.250	36.44	36.39	0.95097	350417.59	3220.5463	3220.5463	80.5	5.35520	0.62	NO	
9 PeCB-123	323.883	0.250	36.47	36.45	1.51322	570681.05	4304.9291	4304.9291	107.6	5.23781	0.61	NO	
10 13C-PeCB-118	335.924	0.250	36.62	36.55	0.97393	297146.22	2666.5829	2666.5829	66.7	5.22898	0.62	NO	
11 PeCB-118/106	323.883	0.250	36.64	36.64	1.52848	505276.23	4449.9841	4449.9841	111.2	4.91977	0.62	NO	
12 13C-PeCB-114	335.924	0.250	37.41	37.34	1.01913	323894.91	2777.7016	2777.7016	89.4	4.99704	0.69	NO	
13 PeCB-114	323.883	0.250	37.43	37.43	1.58175	574852.70	4488.2256	4488.2256	112.2	4.85022	0.60	NO	
14 13C PeCB-105	335.924	0.250	38.47	38.42	0.96994	302983.44	2730.1590	2730.1590	68.3	5.25050	0.63	NO	
15 PeCB-105/127	323.883	0.250	38.50	38.48	1.41405	456749.50	4264.3762	4264.3762	106.6	5.71702	0.61	NO	
16 13C-PeCB-126	335.924	0.250	40.81	40.76	1.05005	302801.03	2620.3329	2520.3329	63.0	4.84989	0.64	NO	
17 PeCB-126	323.883	0.250	40.85	40.84	1.18292	375694.20	4195.4702	4195.4702	104.9	6.84567	0.61	NO	
18													
19 13C-OcCB-202	439.804	0.250	43.60	43.51	2.2301....	752729.69	135.0095	135.0095	1.7	0.03317	0.85	NO	
20													
21 13C-HxCB-167	371.882	0.250	42.21	42.20	0.92060	326839.50	3773.2303	3773.2303	94.3	7.04910	1.28	NO	
22 HxCB-167	359.841	0.250	42.23	42.24	1.34432	496667.91	4520.6607	4520.6607	113.0	5.86801	1.19	NO	
23 13C-HxCB-156	371.882	0.250	43.77	43.78	0.74676	265490.47	3778.4957	3778.4957	94.5	8.69010	1.29	NO	
24 HxCB-156	359.841	0.250	43.81	43.80	1.67701	488781.55	4391.2663	4391.2663	109.8	5.66876	1.24	NO	
25 13C-HxCB-157	371.882	0.250	44.15	44.16	0.78876	285473.75	3846.5529	3846.5529	96.2	8.22735	1.28	NO	
26 HxCB-157	359.841	0.250	44.18	44.16	1.65897	515659.73	4354.7917	4354.7917	108.9	5.37032	1.23	NO	
27 13C-HxCB-169	371.882	0.250	46.39	46.41	0.84240	321776.73	4059.6548	4059.6548	101.5	7.70352	1.28	NO	
28 HxCB-169	359.841	0.250	46.42	46.42	1.15392	371097.91	3997.7743	3997.7743	99.9	6.92663	1.24	NO	
29													
30 13C-HpCB-180	405.843	0.250	44.94	44.92	0.63199	232569.43	3911.0384	3911.0384	97.8	4.25432	1.04	NO	
31 HpCB-180	393.803	0.250	44.97	44.97	1.27271	327075.84	4420.0483	4420.0483	110.5	3.54486	1.03	NO	
32 13C-HpCB-170	405.843	0.250	46.93	46.93	0.51406	200666.23	4146.6514	4146.6514	103.7	5.23035	1.05	NO	
33 HpCB-170	393.803	0.250	46.95	46.95	1.58019	348504.38	4398.4652	4398.4652	110.0	3.25819	1.04	NO	
34 13C-HpCB-189	405.843	0.250	48.79	48.78	0.70062	253864.84	3851.0045	3851.0045	96.3	3.83762	1.05	NO	
35 HpCB-189	393.803	0.250	48.81	48.82	1.22015	327325.48	4226.9160	4226.9160	105.7	2.96923	1.07	NO	

Quantity Sample Summary Report      MassLynx 4.1

Dataset:      C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

Last Altered:      Thursday, June 04, 2009 10:49:03 Pacific Daylight Time

Printed:      Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

Name: 03JUN0910D5\_6, Date: 03-Jun-2009, Time: 16:16:31, ID: , Description: G9D300218-1LCRX, Task:

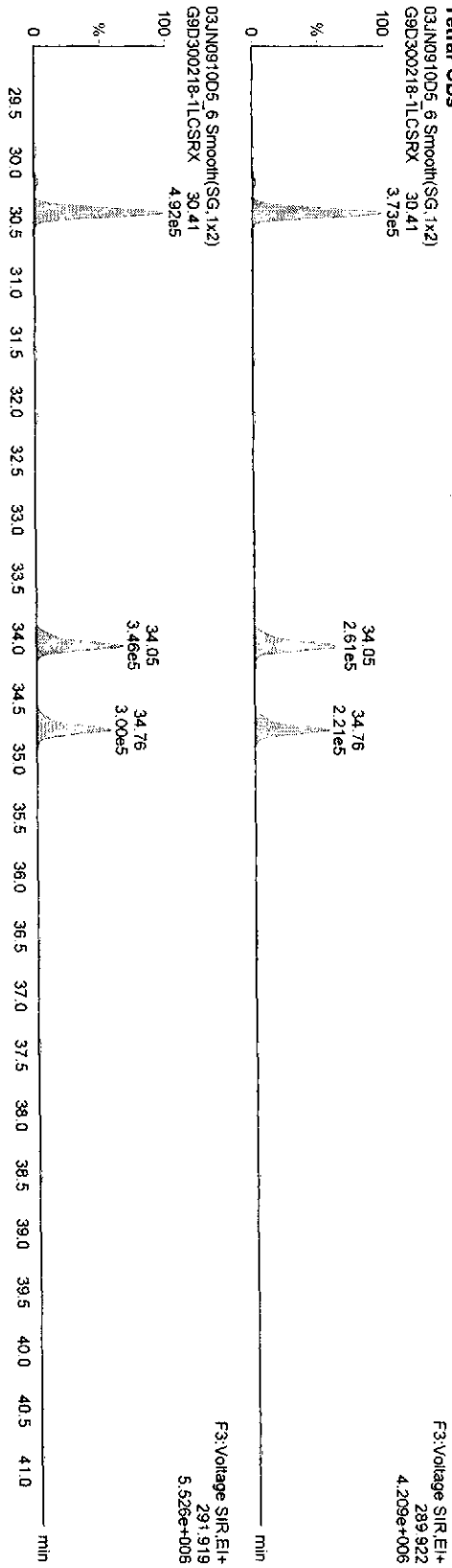
#	Name	Trace	Sample Size	RT	Prod RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36															
37	13C-PeCB-111		335.924	0.250				33.90							
38												5.76795			NO
39	Function 3 PFK		380.976	1.000				0.00							
40	Function 4 PFK		380.976	1.000				0.00							

Dataset:            C:\MassLynx\Default\proj\03JUN0910D51668MSL.qld

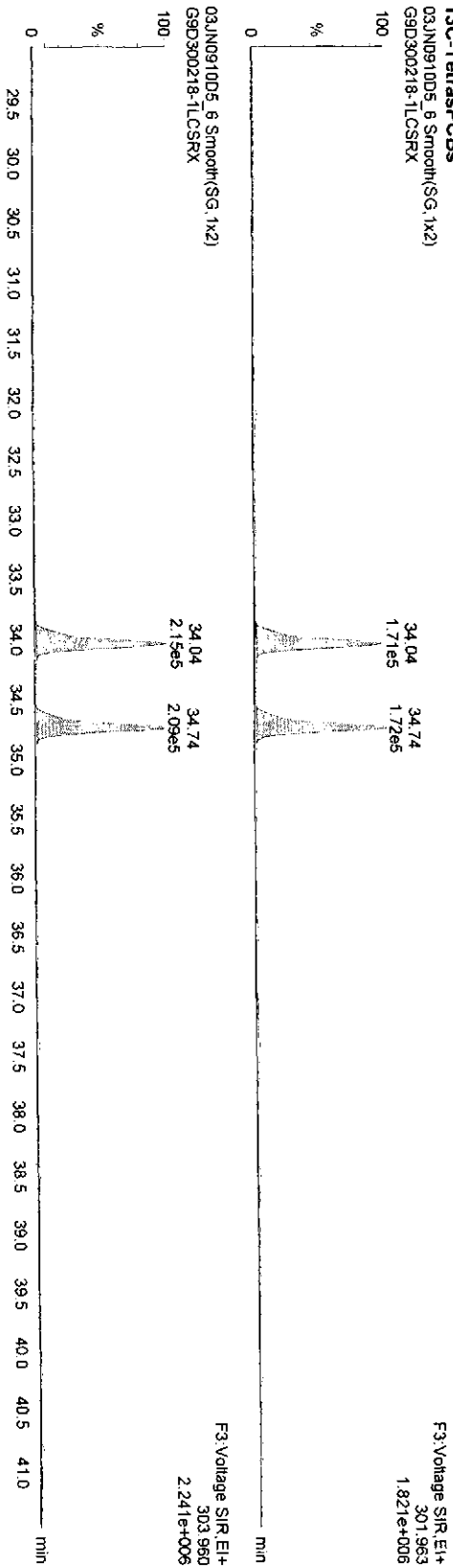
Last Altered:      Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed:            Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_6, Date: 03-Jun-2009, Time: 16:16:31, ID: , Description: G9D300218-1LC5RX

**TetraPCBs**



**13C-TetraPCBs**

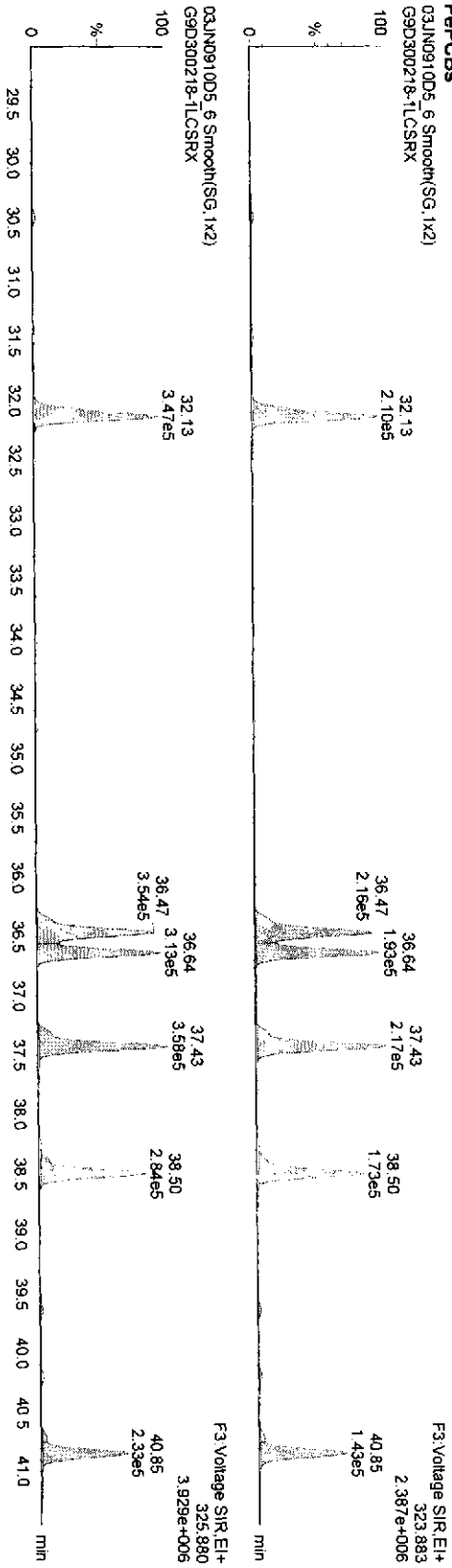


Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qid

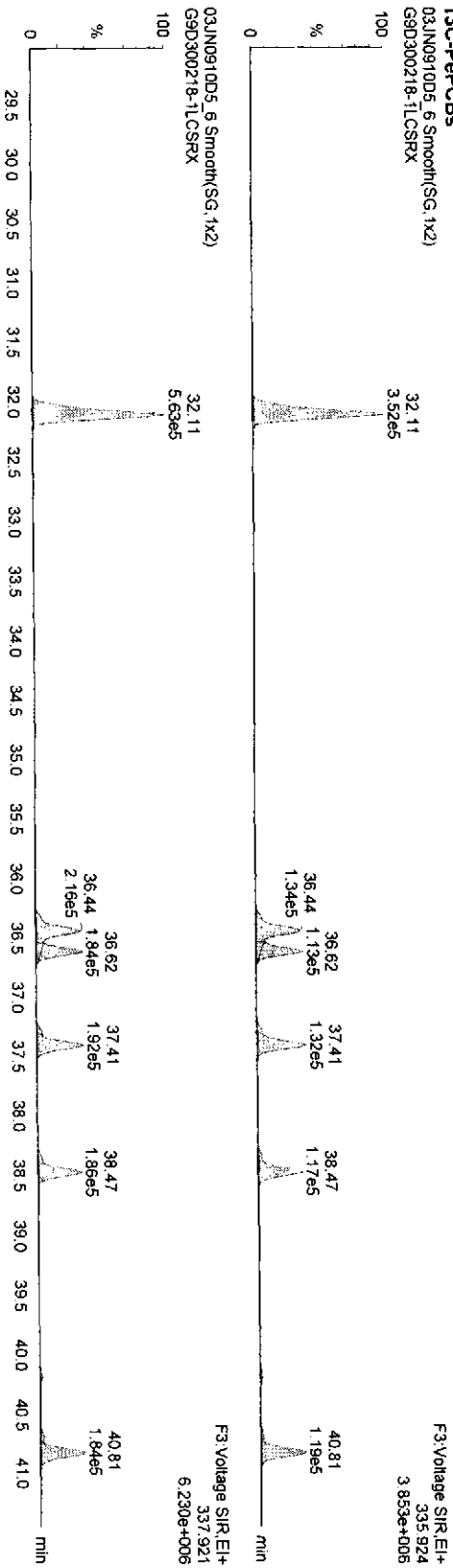
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_6, Date: 03-Jun-2009, Time: 16:16:31, ID: , Description: G9D300218-1LC5RX

**PePCBs**



**13C-PePCBs**





Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time

Printed: Friday, June 05, 2009 10:03:55 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PROMethDB\1668MSL10DB5.mdb 22 May 2009 10:05:00  
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\ICA0528200910D51668MSL.cdb 29 May 2009 14:02:36

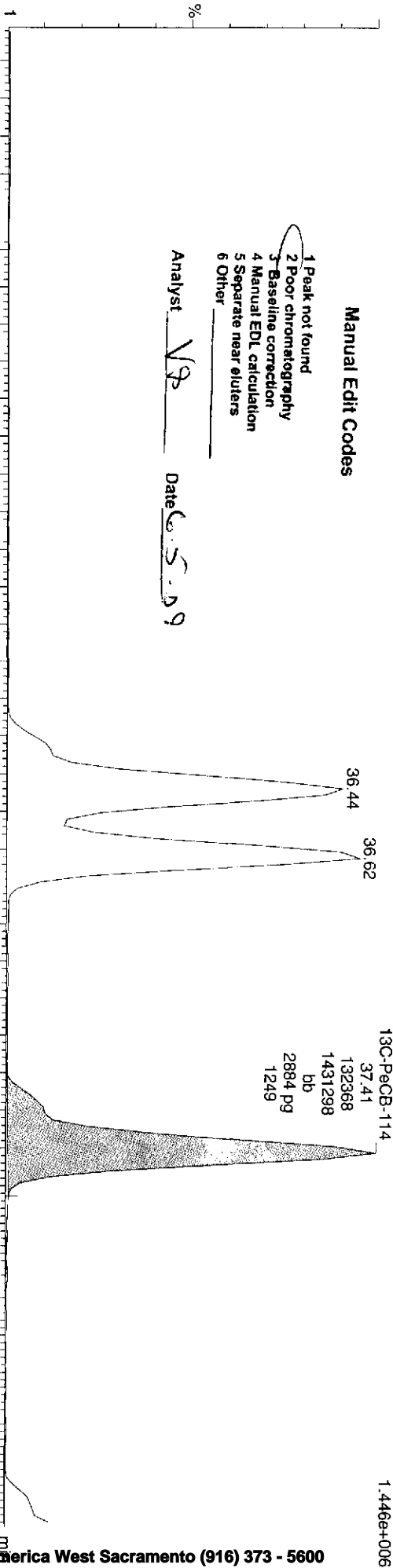
Sample Name: 03JUN0910D5\_6

03JUN0910D5\_6 Smooth(SG,1x2)  
G9D300218-1LCSRX

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VP Date 6.5.09



130C-PeCB-114

37.41  
132368  
1431298  
2884 pg  
1249

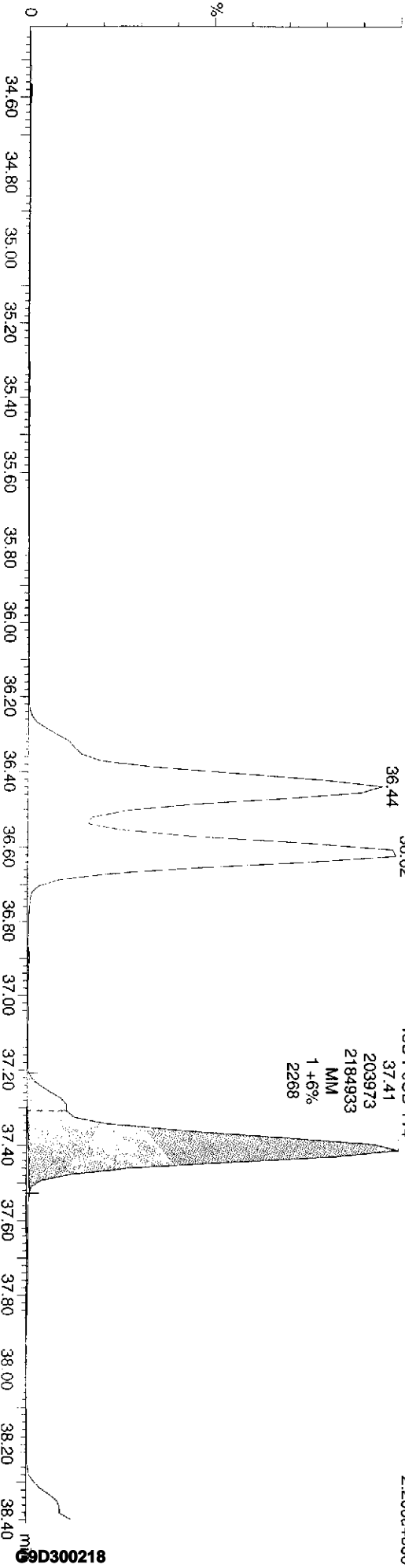
F3: Voltage SIR, EI+  
335.924  
1.446e+006

03JUN0910D5\_6 Smooth(SG,1x2)  
G9D300218-1LCSRX

130C-PeCB-114

37.41  
203973  
2184933  
MM  
1 +6%  
2268

F3: Voltage SIR, EI+  
337.921  
2.208e+006



Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time

Printed: Friday, June 05, 2009 10:03:55 Pacific Daylight Time

Sample Name: 03JUN0910D5\_6

03JUN0910D5\_6 Smooth(SG,1x2)

G9D300218-1LC5RX

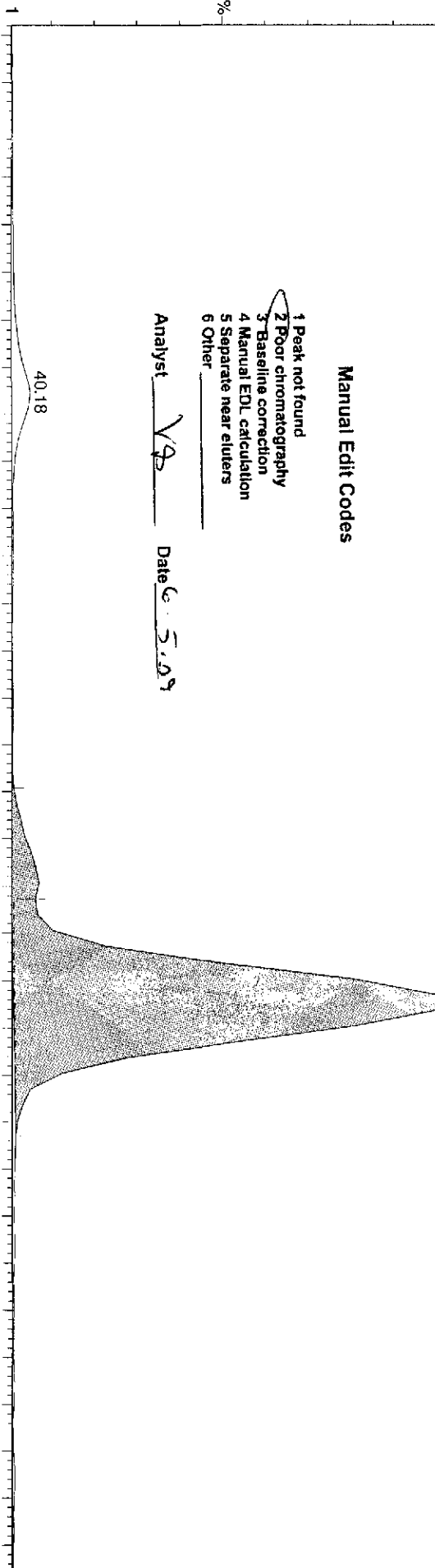
13C-PCCB-126;40.81;125290;1302851;MM;2677 pg:1137

F3:Voltage SIR,EL+  
335.924  
1.316e+006

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VA Date 6.5.09

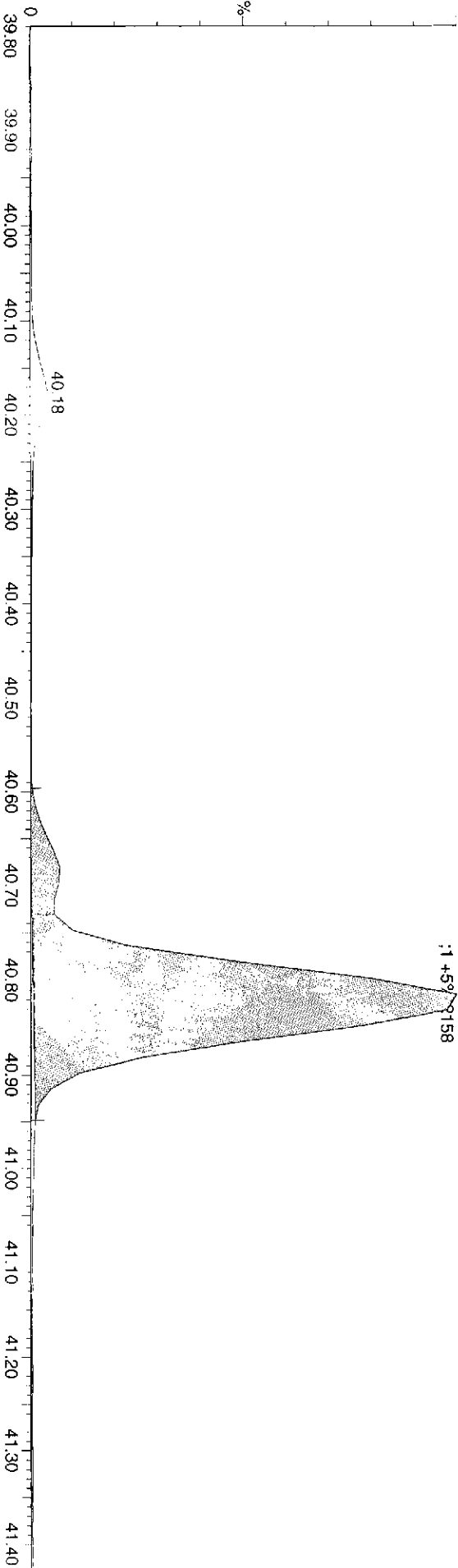


03JUN0910D5\_6 Smooth(SG,1x2)

G9D300218-1LC5RX

13C-PCCB-126;40.81;196281;2079546;MM  
.1+5% 9158

F3:Voltage SIR,EL+  
337.924  
2.101e+006



Dataset: \\Terastation\share\ATG\10D5\03JUN0910D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time  
Printed: Friday, June 05, 2009 10:03:55 Pacific Daylight Time

Sample Name: 03JUN0910D5\_6

03JUN0910D5\_6 Smooth(SG,1x2)  
G9D300218-1LCSRX

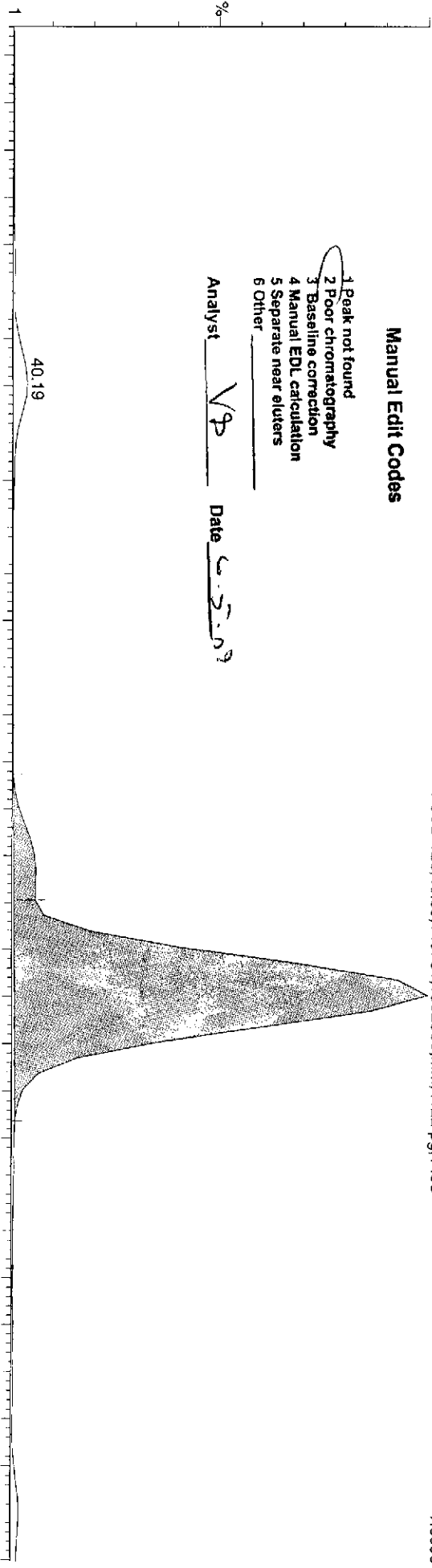
PeCB-126;40.85;146761;1582558;MM;4122 pg.1496

F3:Voltage SIR,EI+  
323.883  
1.609e+006

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

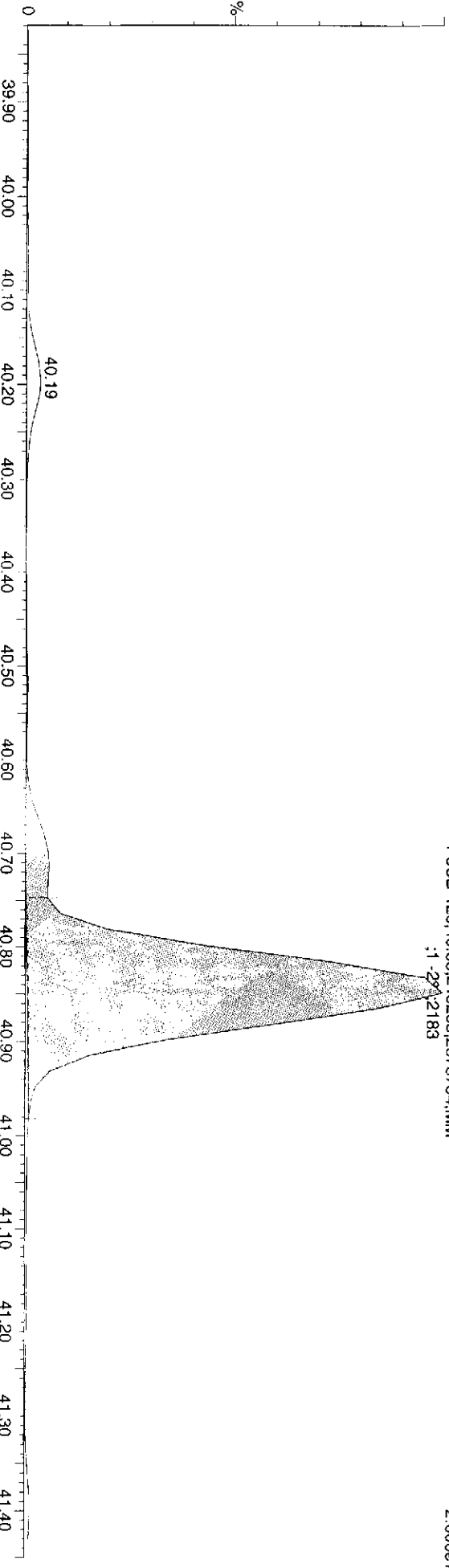
Analyst VP Date 6-5-09



03JUN0910D5\_6 Smooth(SG,1x2)  
G9D300218-1LCSRX

PeCB-126;40.85;245205;2578754;MM  
:1.29e+2183

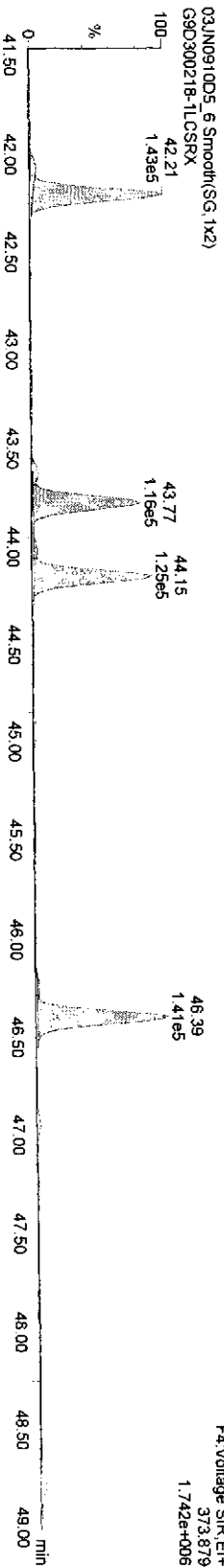
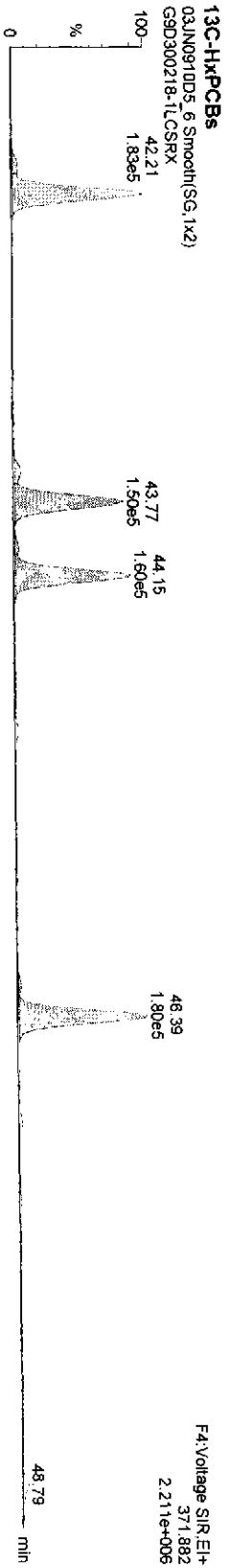
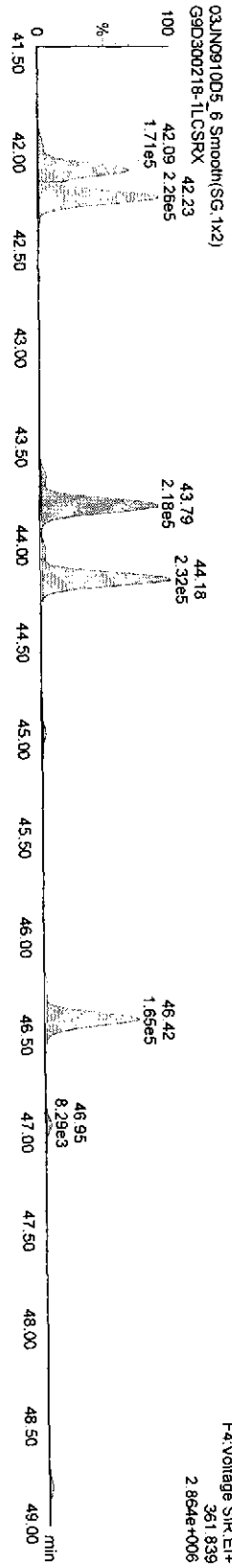
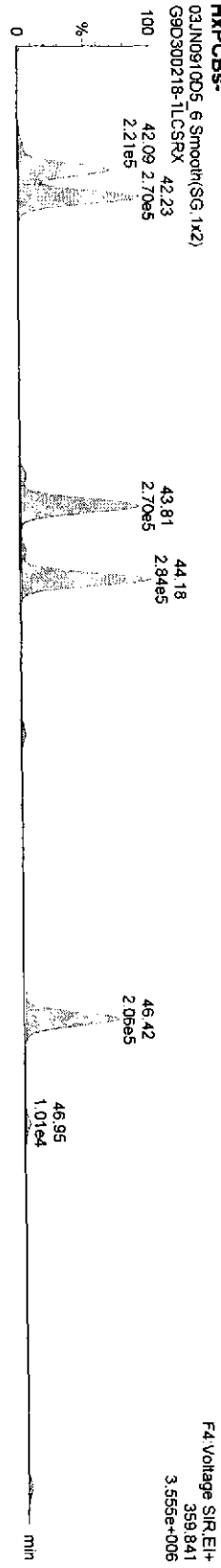
F3:Voltage SIR,EI+  
325.883  
2.608e+006



Dataset: C:\MassLynx\Default\pro03JUN0910D51668MSL.qid  
 Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_6, Date: 03-Jun-2009, Time: 16:16:31, ID: , Description: G9D300218-1LCSRX

**HPFCBs-**



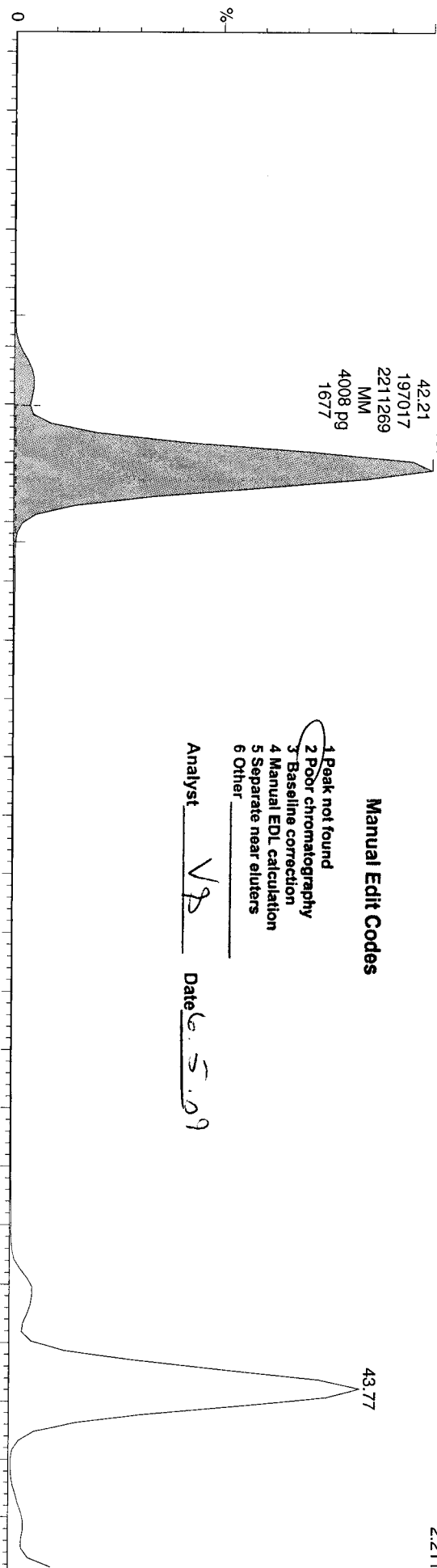
Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time  
Printed: Friday, June 05, 2009 10:03:55 Pacific Daylight Time

Sample Name: 03JUN0910D5\_6

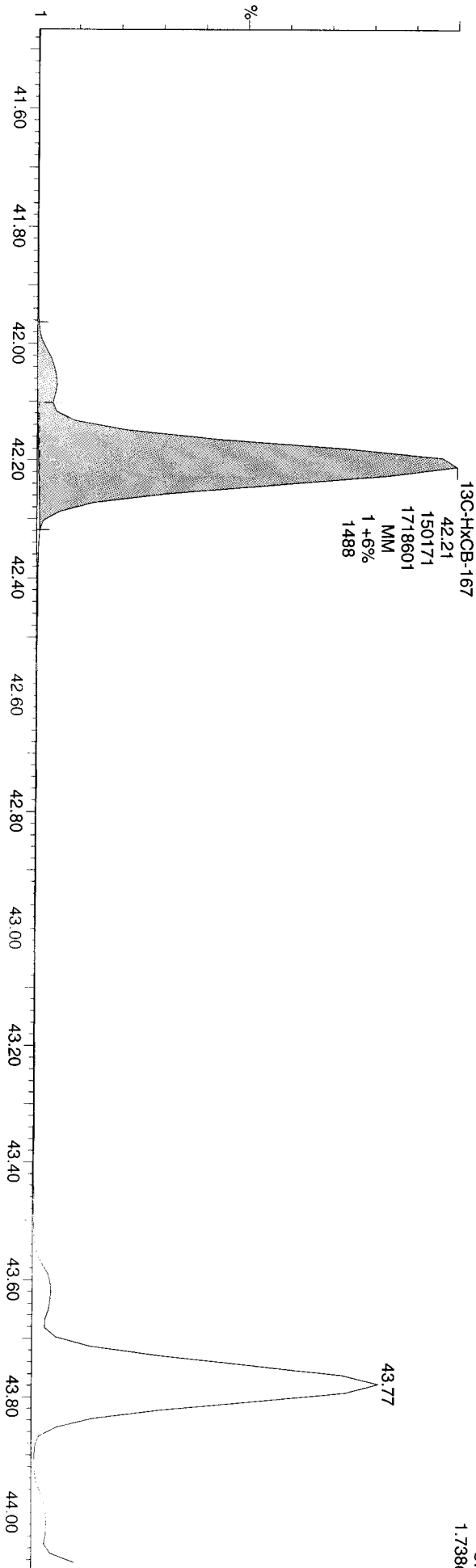
03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSRX

F4: Voltage SIR.EI+  
371.882  
2.211e+006



03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSRX

F4: Voltage SIR.EI+  
373.882  
1.738e+006



Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:07:53 Pacific Daylight Time

Printed: Friday, June 05, 2009 10:08:43 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1668MSL10DB5.mdb 22 May 2009 10:05:00  
Calibration: C:\MassLynx\DEFAULT.PRO\CurvedB\CA0528200910D51668MSL.cdb 29 May 2009 14:02:36

Sample Name: 03JUN0910D5\_6

03JUN0910D5\_6 Smooth(SG,1x2)  
G9D300218-1LCSRX

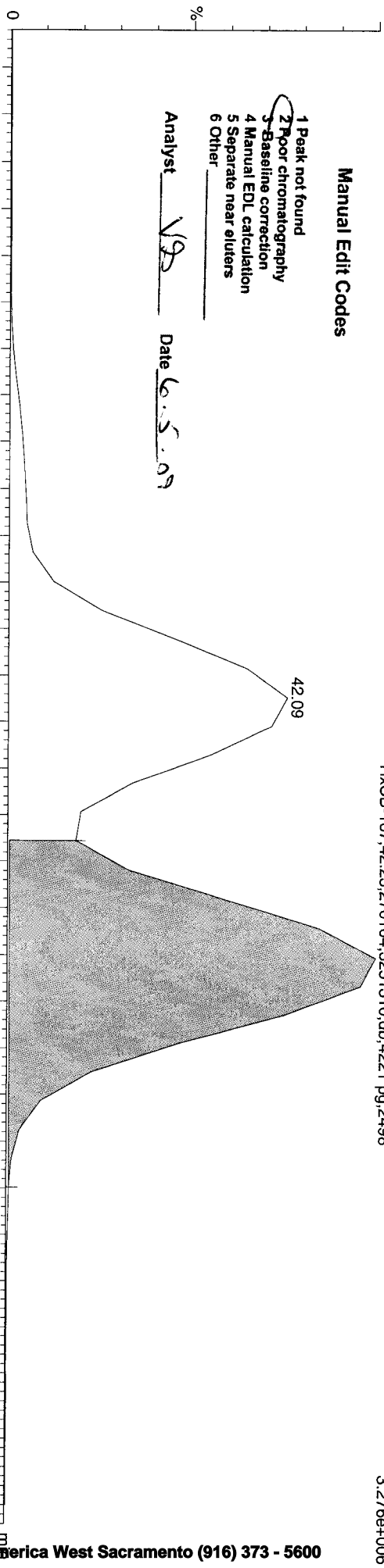
HXCB-167.42.23;270164;3251310.db;4221 pg;2498

F4:Voltage SIR,EI+  
359,841  
3.276e+006

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

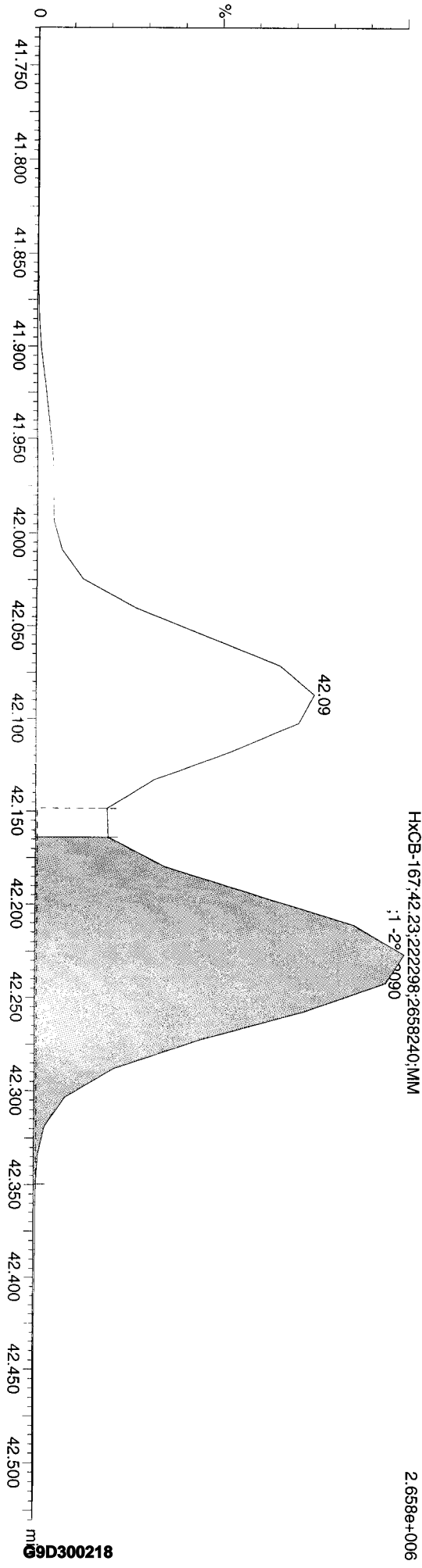
Analyst VJS Date 6.5.09



03JUN0910D5\_6 Smooth(SG,1x2)  
G9D300218-1LCSRX

HXCB-167.42.23;222298;2658240;MM  
;1.2e+090

F4:Voltage SIR,EI+  
361,839  
2.658e+006



Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

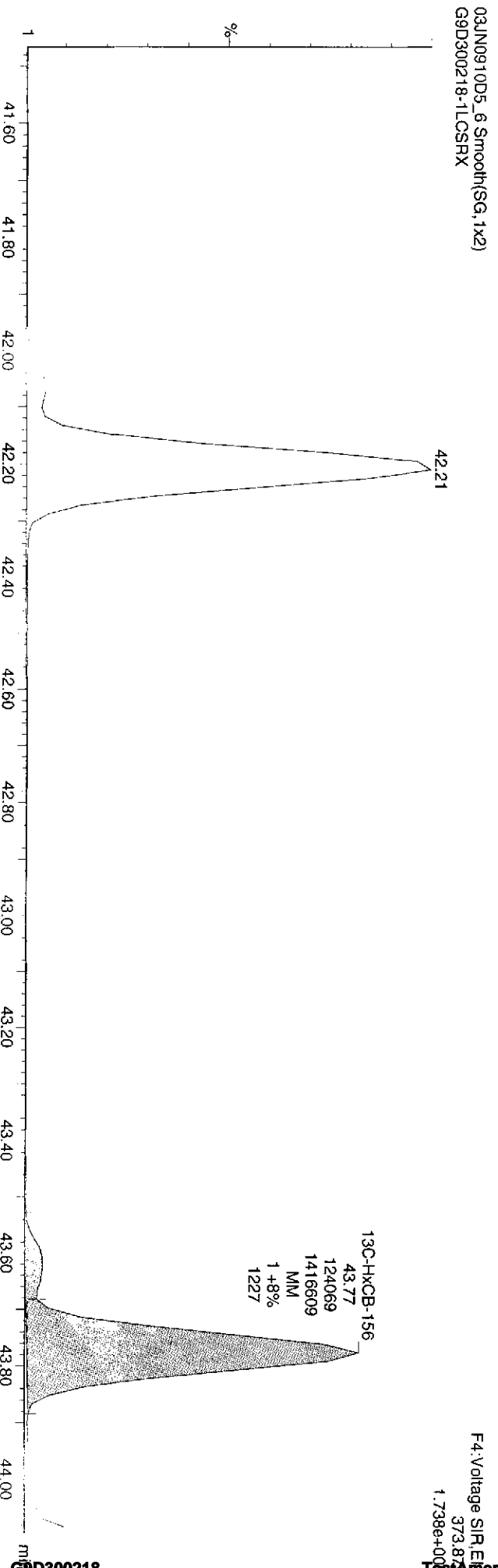
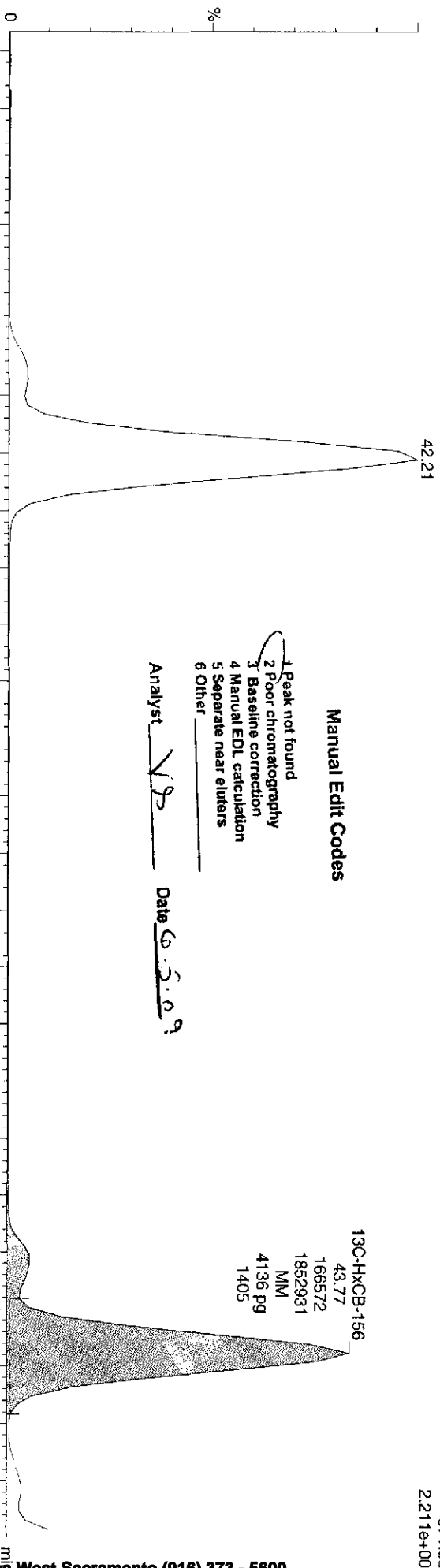
Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time

Printed: Friday, June 05, 2009 10:03:55 Pacific Daylight Time

Sample Name: 03JUN0910D5\_6

03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSRX

F4: Voltage SIR.EI+  
371.882  
2.211e+006



Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

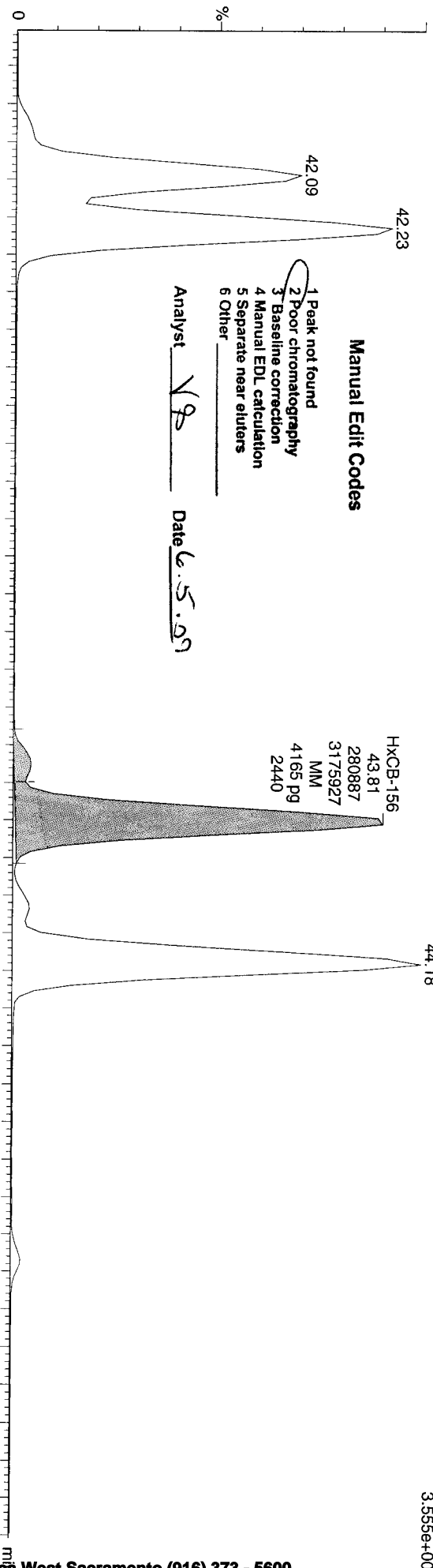
Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time

Printed: Friday, June 05, 2009 10:03:55 Pacific Daylight Time

Sample Name: 03JUN0910D5\_6

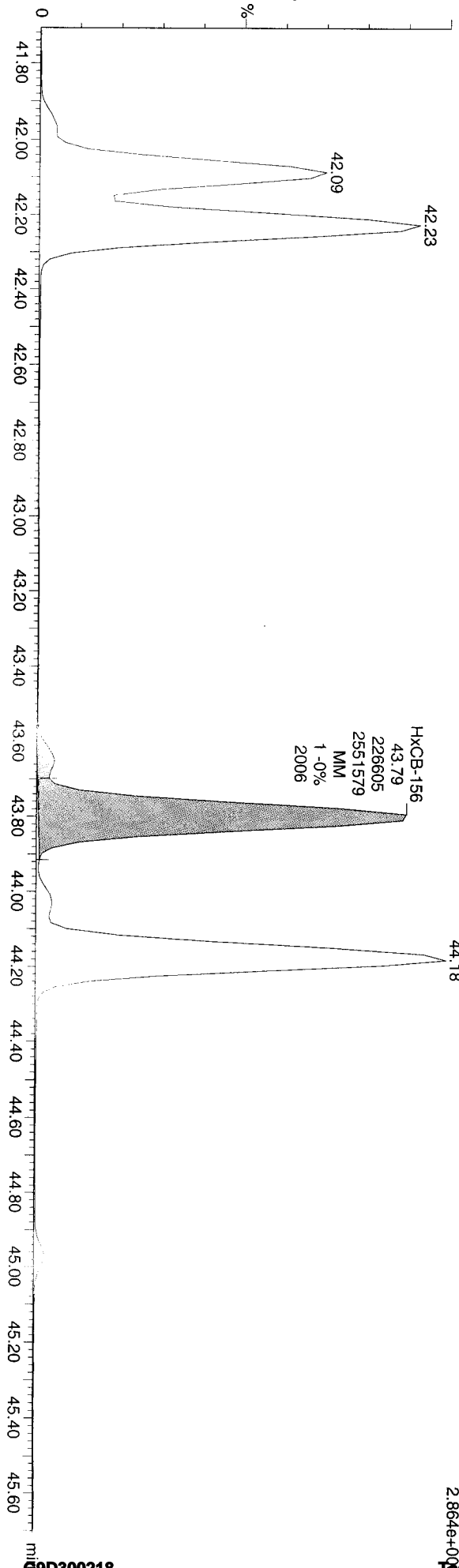
03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSRX

F4: Voltage S1R, EI+  
359.841  
3.555e+006



03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSRX

F4: Voltage S1R, EI+  
361.838  
2.864e+006





Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D5\1668MSL.qld

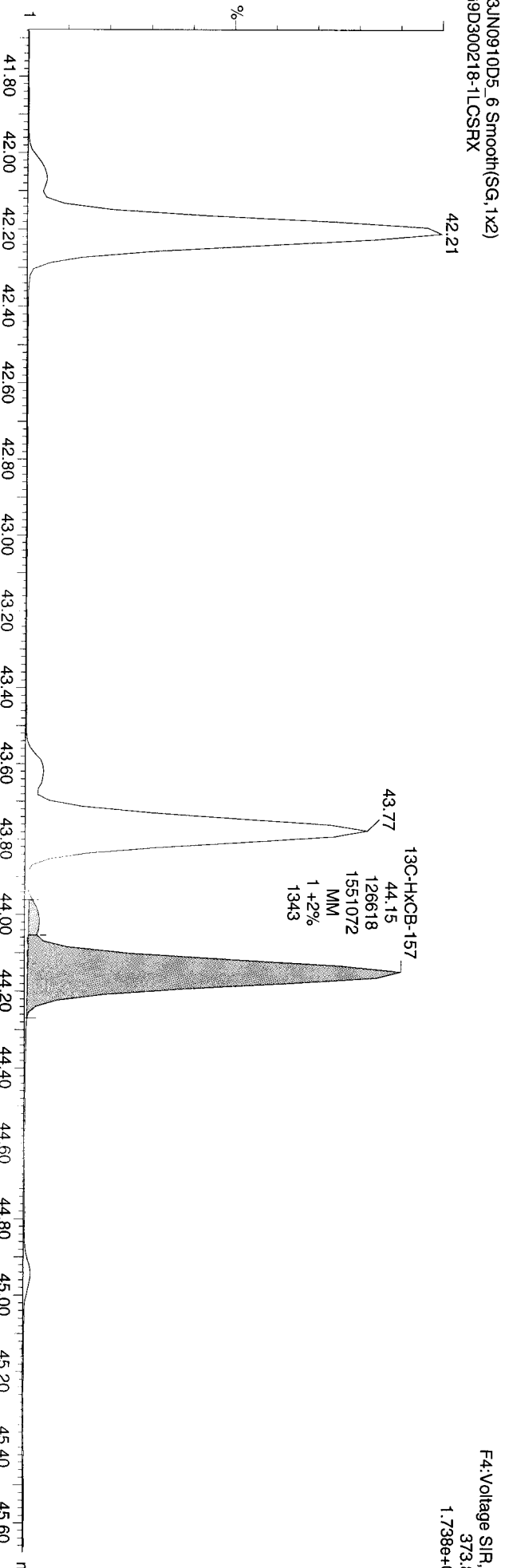
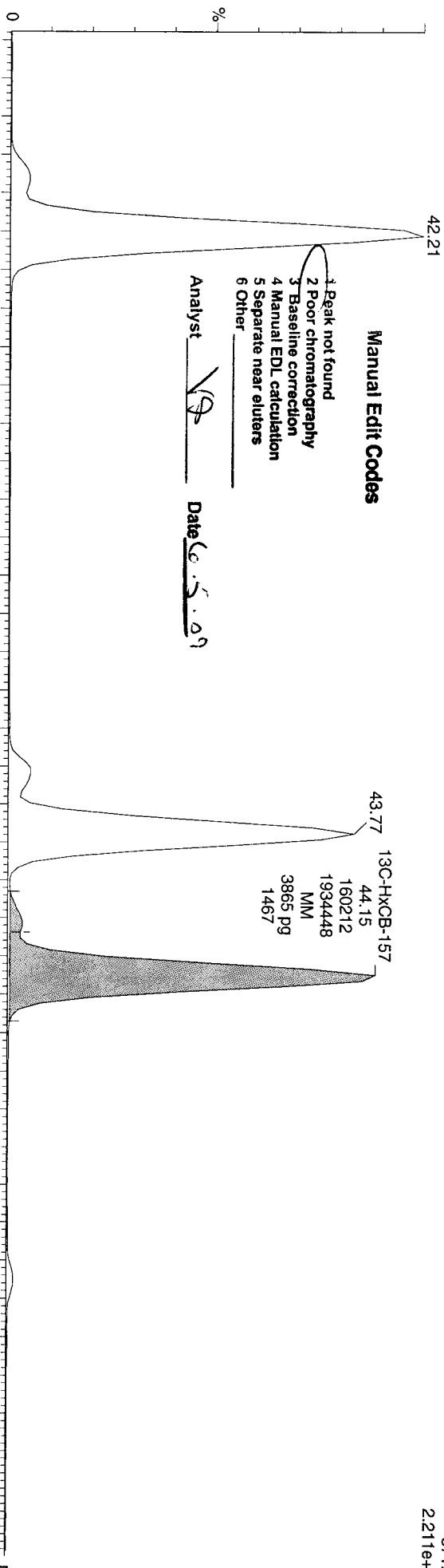
Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time

Printed: Friday, June 05, 2009 10:03:55 Pacific Daylight Time

Sample Name: 03JUN0910D5\_6

03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSTRX

F4: Voltage SIR, EI+  
371.882  
2.211e+006



Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time

Printed: Friday, June 05, 2009 10:04:20 Pacific Daylight Time

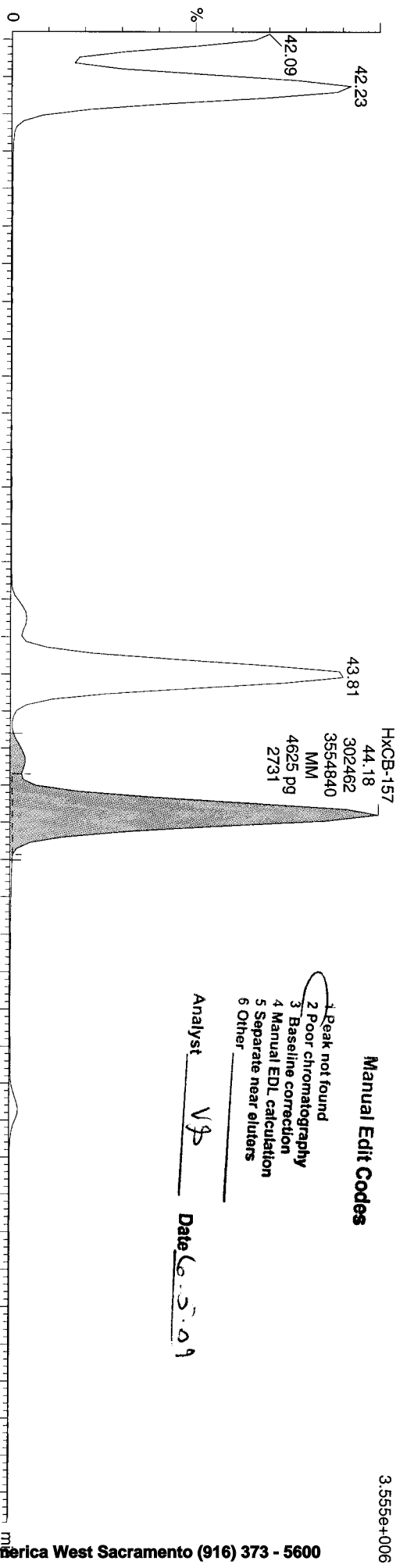
Method: C:\MassLynx\DEFAULT.PRO\MethDB\1668MSL10DB5.mdb 22 May 2009 10:05:00  
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\CA0528200910D51668MSL.cdb 29 May 2009 14:02:36

Sample Name: 03JUN0910D5\_6

03JUN0910D5\_6 Smooth(SG,1x2)  
G9D300218-1LC SRX

F4: Voltage SIR, EI+  
359.841

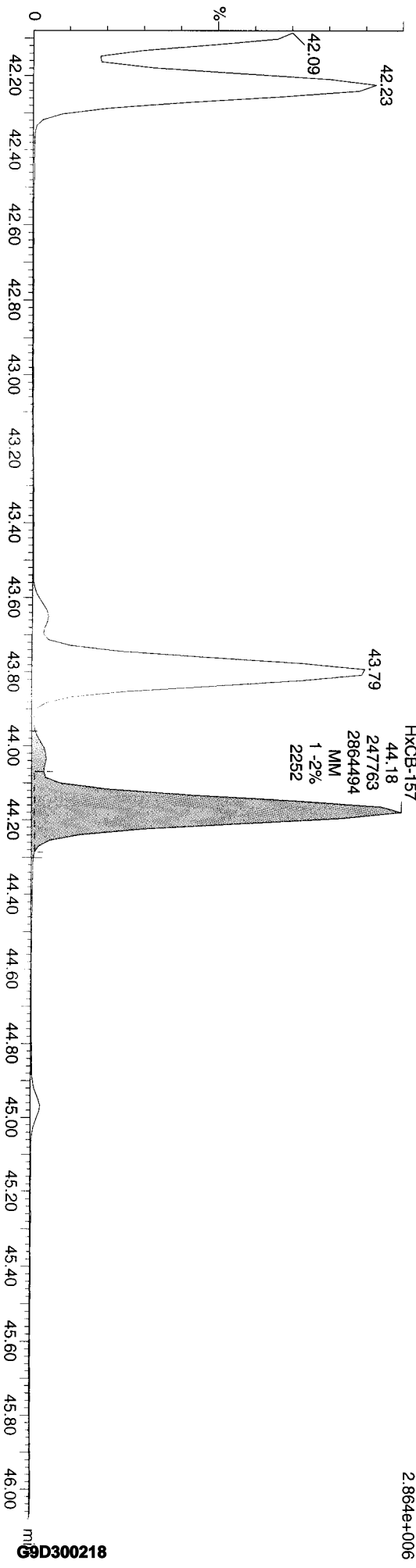
3.555e+006



03JUN0910D5\_6 Smooth(SG,1x2)  
G9D300218-1LC SRX

F4: Voltage SIR, EI+  
361.859

2.864e+006



Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time  
Printed: Friday, June 05, 2009 10:04:20 Pacific Daylight Time

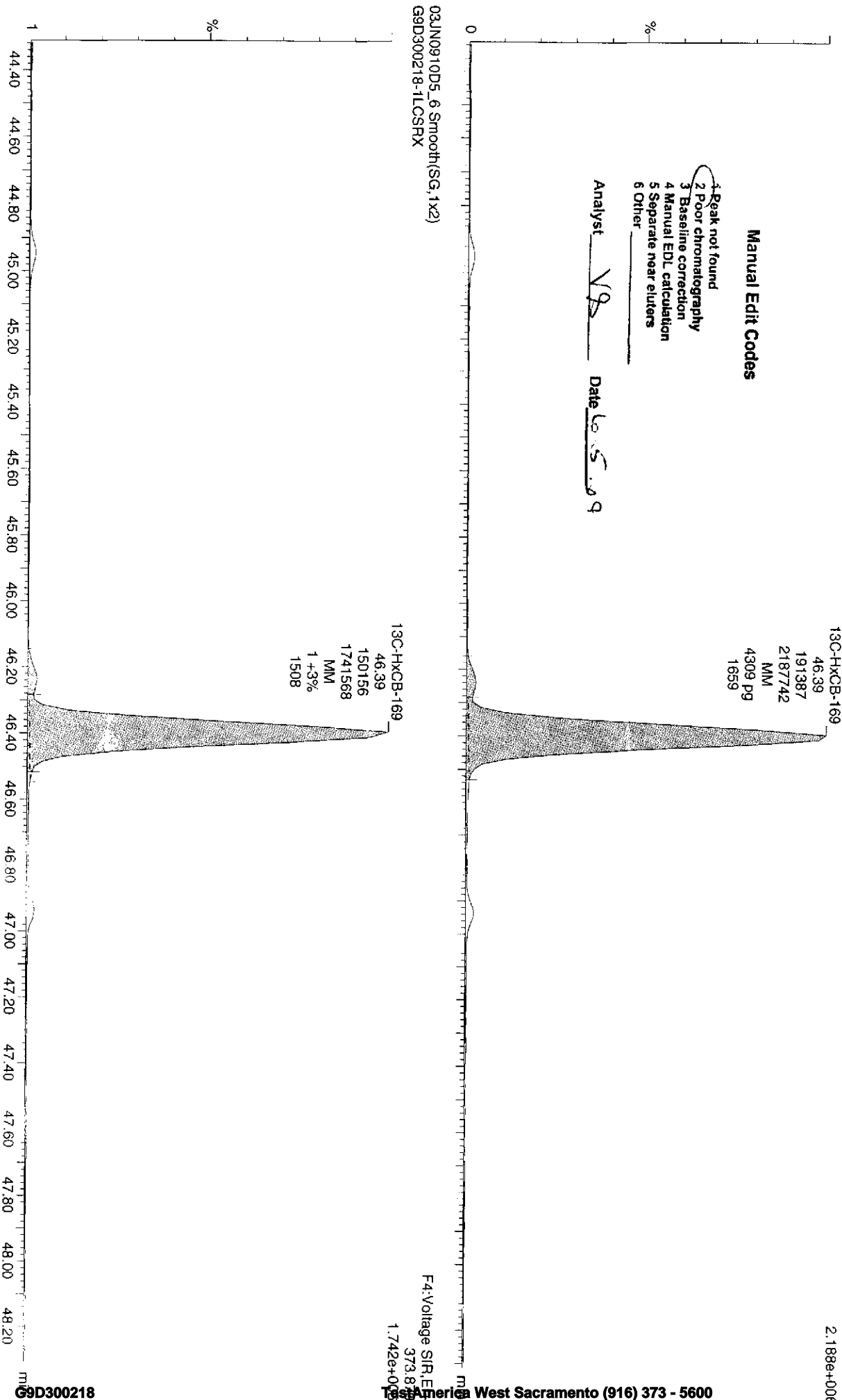
Sample Name: 03JUN0910D5\_6

03JUN0910D5\_6\_Smooth(SG, 1x2)  
G9D300218-1LCSRX

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst: VP Date: 6.5.09



F4: Voltage -SIR, EI+  
371.882  
2.188e+006

F4: Voltage -SIR, EI+  
373.879  
1.742e+006

Dataset: \\TeraStation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time

Printed: Friday, June 05, 2009 10:04:20 Pacific Daylight Time

Sample Name: 03JUN0910D5\_6

03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSRX

F4: Voltage SIR, EI+  
359,841  
2.583e+006

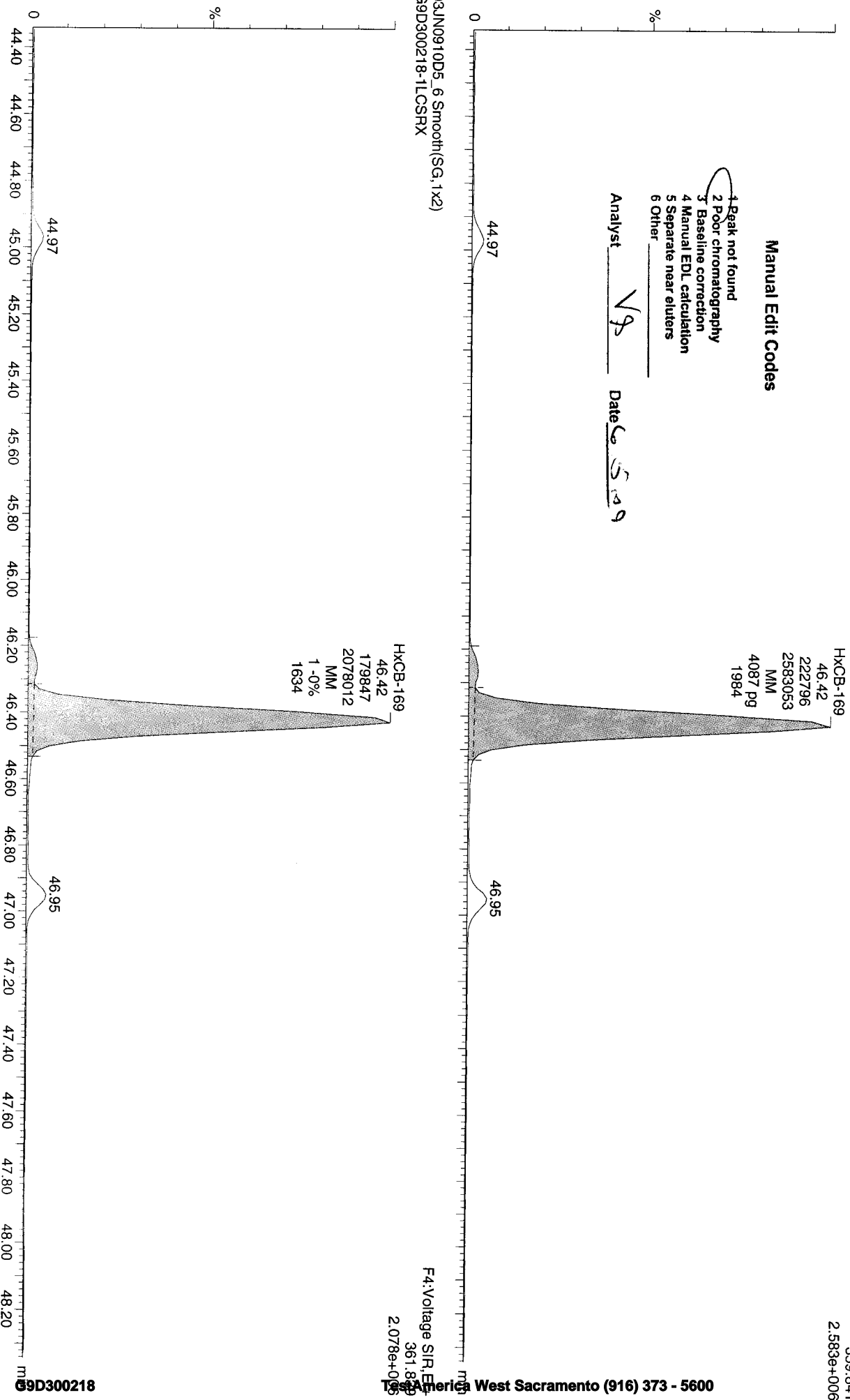
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VS Date 6/5/09

03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSRX

F4: Voltage SIR, EI+  
361,819  
2.078e+006



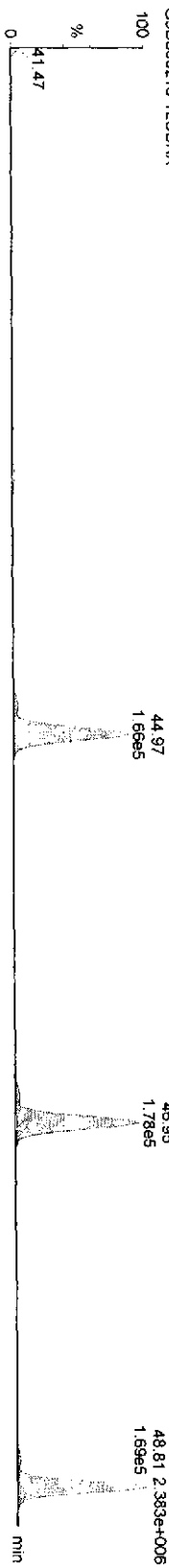
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Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

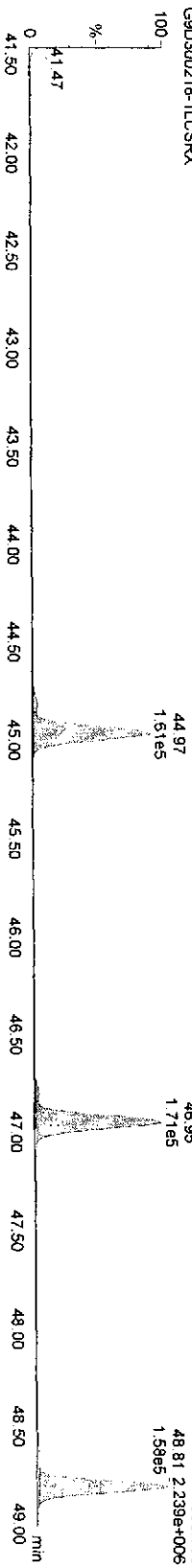
Name: 03JUN0910D5\_6, Date: 03-Jun-2009, Time: 16:16:31, ID.: Description: G9D300218-1LCSRX

**HP PCBs**

03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSRX

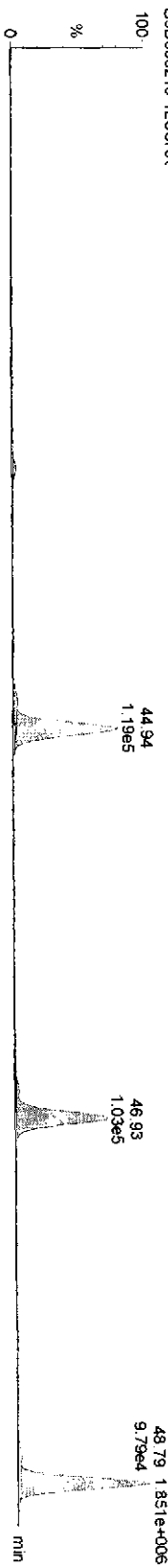


03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSRX

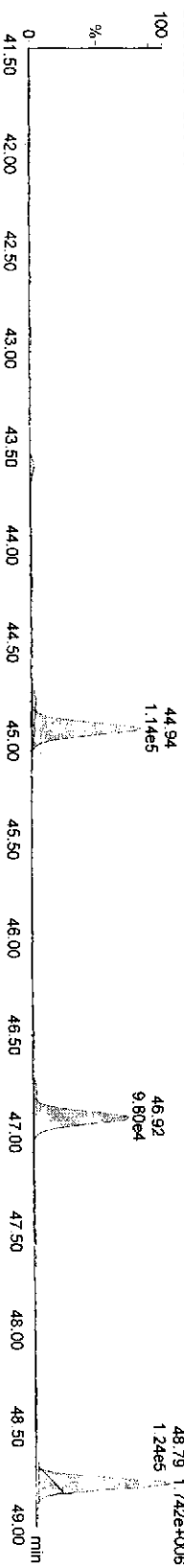


**13C-HP PCBs**

03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSRX



03JUN0910D5\_6 Smooth(SG, 1x2)  
G9D300218-1LCSRX



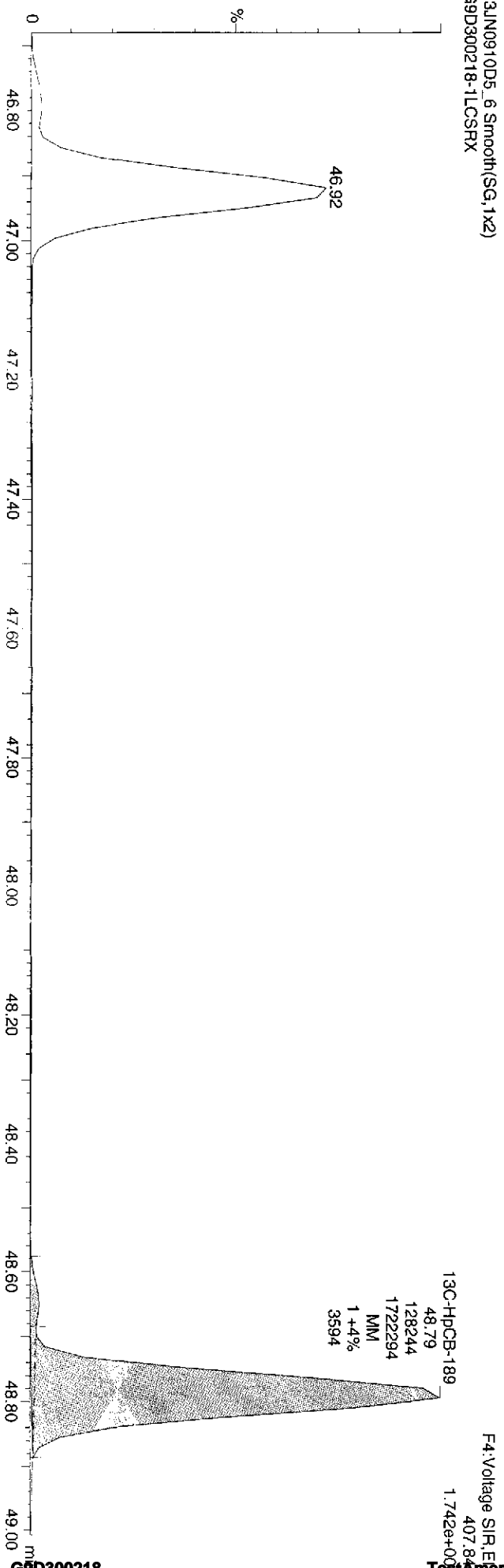
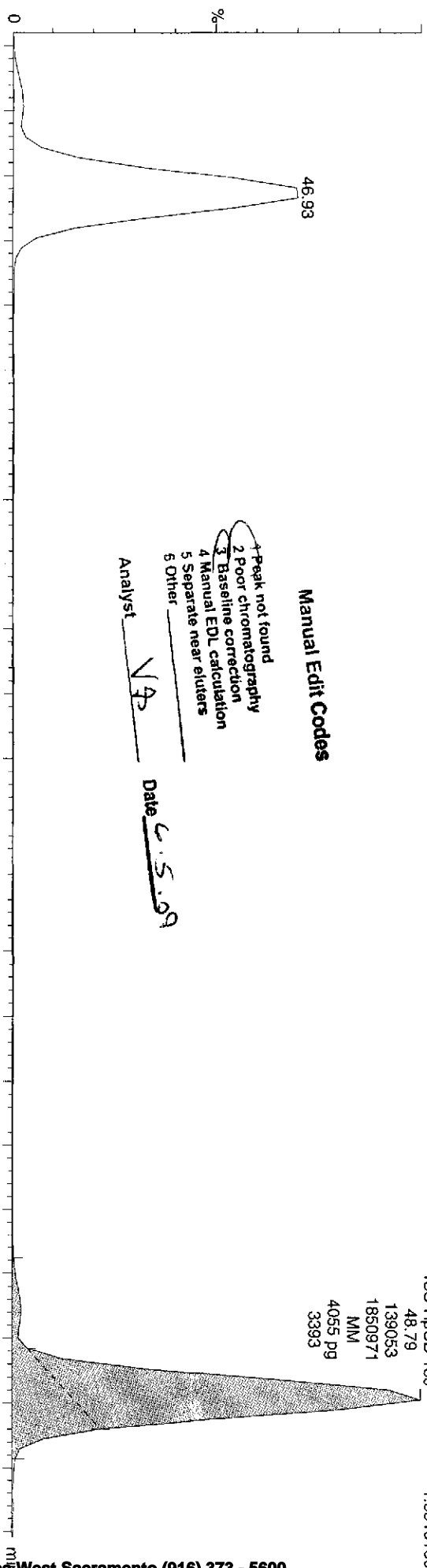
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Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time

Printed: Friday, June 05, 2009 10:04:20 Pacific Daylight Time

Sample Name: 03JUN0910D5\_6

03JUN0910D5\_6 Smooth(SG,1x2)  
G9D300218-1LCSRX



Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:02:44 Pacific Daylight Time  
Printed: Friday, June 05, 2009 10:04:20 Pacific Daylight Time

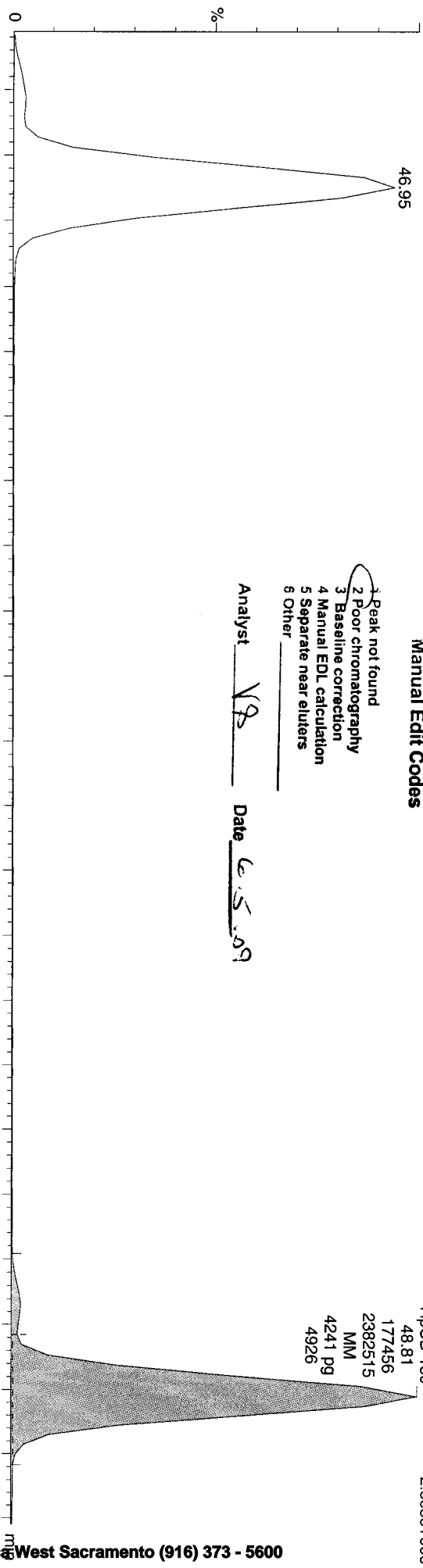
Sample Name: 03JUN0910D5\_6

03JUN0910D5\_6 Smooth(SG,1x2)  
G9D300218-1LCSTRX

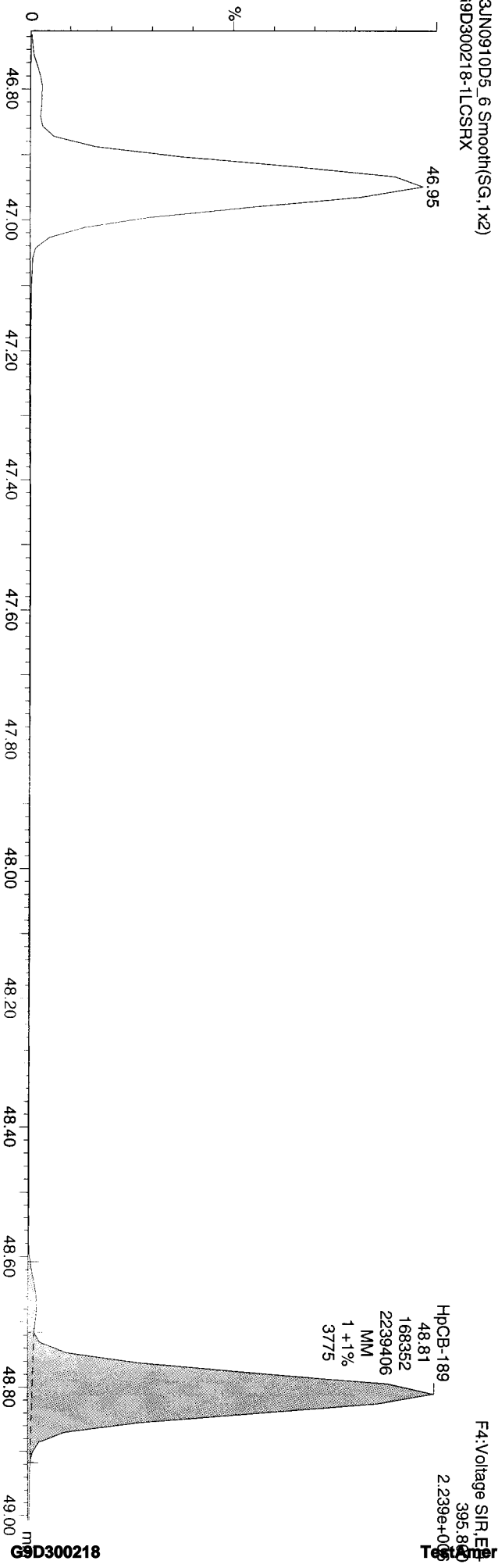
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VP Date 6.5.09



F4:Voltage SIR, EI+  
393.803  
2.383e+006



F4:Voltage SIR, EI+  
395.803  
2.239e+006

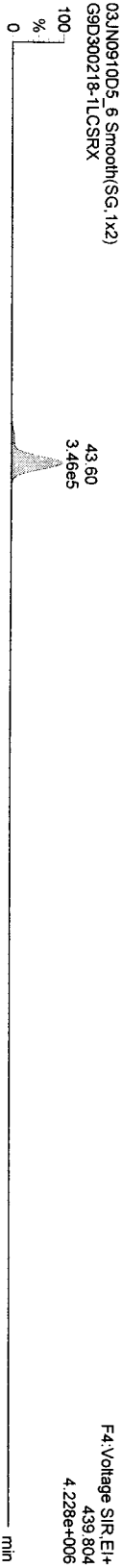
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

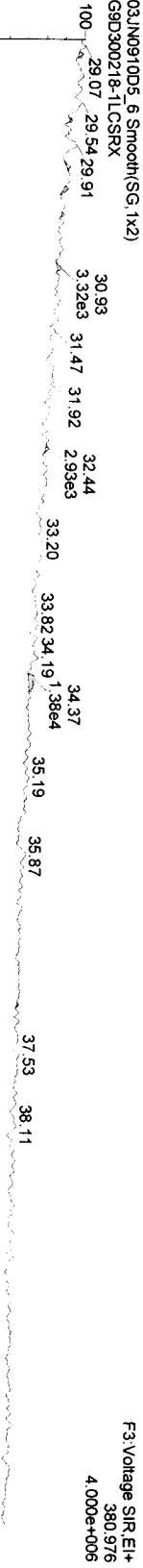
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_6, Date: 03-Jun-2009, Time: 16:16:31, ID: , Description: G9D300218-1LCSSRX

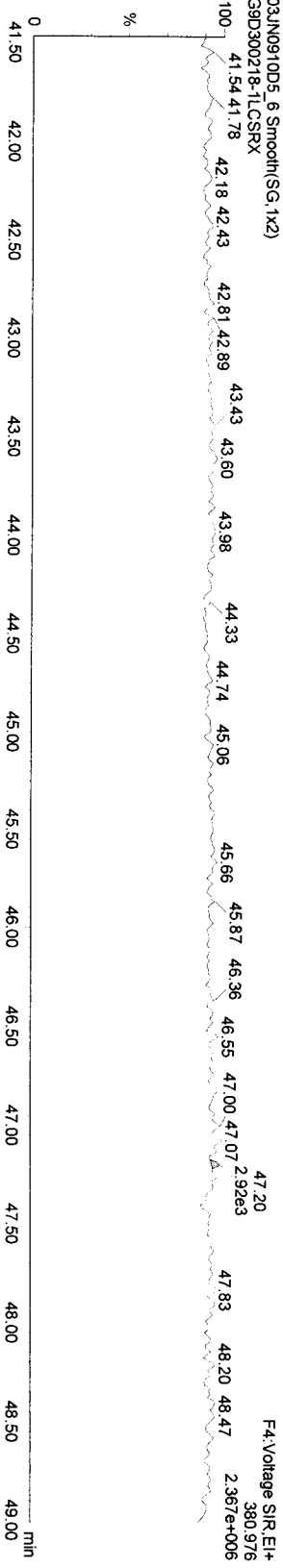
13C-OcCB-202



Function 3 PFK



Function 4 PFK





Quantity Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:19:46 Pacific Daylight Time  
 Printed: Friday, June 05, 2009 10:21:39 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1668MSL10DB5.mdb 22 May 2009 10:05:00  
 Calibration: C:\MassLynx\DEFAULT.PRO\CurvEDB\CA0528200910D51668MSL.cdb 29 May 2009 14:02:36

Name: 03JUN0910D5\_7, Date: 03-Jun-2009, Time: 17:13:23, ID: LA4RR-2-AA, Description: G9D300218-1RX, Task:

#	Name	Trace	Sample Size	RT	Prd.RT	RAF	M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-PeCB-101	335.924	0.250	32.09	32.13	18021	....	1257224.63	279.0441	279.0441	3.5	0.16144	0.6307	NO	
2															
3	13C-TeCB-81	301.963	0.250	33.99	34.04	1.03599		512834.05	3149.9253	3149.9253	78.7	4.82501	0.7924	NO	
4	TeCB-81	289.922	0.250		34.00	1.44583						4.05729		NO	
5	13C-TeCB-77	301.963	0.250	34.68	34.74	1.08641		552066.09	3233.5260	3233.5260	80.8	4.60107	0.8046	NO	
6	TeCB-77	289.922	0.250	34.69	34.69	1.29292		31113.62	174.3599	174.3599		4.14194	0.7596	NO	
7															
8	13C-PeCB-123	335.924	0.250	36.35	36.37	0.95097		539689.08	3611.2092	3611.2092	90.3	4.86698	0.6266	NO	
9	PeCB-123	323.883	0.250	36.40	36.37	1.51322		7615.65	37.3011	34.6520		2.93928	0.7331	YES	05-Jun-09
10	13C-PeCB-118	335.924	0.250	36.52	36.54	0.97393		546016.48	3567.4344	3567.4344	89.2	4.75227	0.6511	NO	
11	PeCB-118/106	323.883	0.250	36.54	36.54	1.52848		284022.26	1361.2767	1361.2767		2.77489	0.6183	NO	05-Jun-09
12	13C-PeCB-114	335.924	0.250	37.29	37.33	1.01913		581785.80	3632.5362	3632.5362	90.8	4.54148	0.6280	NO	
13	PeCB-114	323.883	0.250		37.31	1.58175						2.47849		NO	
14	13C-PeCB-105	335.924	0.250	38.35	38.40	0.96994		561108.28	3681.1295	3681.1295	92.0	4.77183	0.6279	NO	
15	PeCB-105/127	323.883	0.250	38.38	38.37	1.41405		95125.71	479.5651	479.5651		2.85989	0.5983	NO	
16	13C-PeCB-126	335.924	0.250	40.66	40.75	1.05005		704751.47	4270.7281	4270.7281	106.8	4.40774	0.6203	NO	
17	PeCB-126	323.883	0.250		40.69	1.18292						2.73506		NO	
18															
19	13C-OcCB-202	439.804	0.250	43.44	43.51	2.2301	....	1675416.25	300.5026	300.5026	3.8	0.10267	0.8989	NO	
20															
21	13C-HxCB-167	371.882	0.250	42.01	42.03	0.92060		728671.75	3779.4363	3779.4363	94.5	2.68191	1.2651	NO	
22	HxCB-167	359.841	0.250	42.04	42.04	1.34432		8745.76	35.7128	35.7128		2.28215	1.1316	NO	
23	13C-HxCB-156	371.882	0.250	43.59	43.61	0.74676		566046.03	3747.2965	3747.2965	93.7	3.30625	1.3077	NO	
24	HxCB-156	359.841	0.250	43.60	43.62	1.67701		17170.31	69.8828	69.8828		2.31614	1.3293	NO	
25	13C-HxCB-157	371.882	0.250	43.96	43.99	0.78876		626306.81	3791.4819	3791.4819	94.8	3.13019	1.2611	NO	
26	HxCB-157	359.841	0.250	43.99	43.98	1.65897		3867.32	14.8882	14.8882		2.05416	1.0629	NO	
27	13C-HxCB-169	371.882	0.250	46.18	46.24	0.84240		688825.75	3961.1354	3961.1354	99.0	2.93089	1.2700	NO	
28	HxCB-169	359.841	0.250	46.78	46.21	1.15392		1003.96	4.9800	4.0109		2.70012	1.7812	YES	
29															
30	13C-HpCB-180	405.843	0.250	44.75	44.75	0.63199		514305.98	3885.7723	3885.7723	97.1	3.10779	1.0517	NO	
31	HpCB-180	393.803	0.250	44.77	44.78	1.27271		133230.62	814.1673	814.1673		2.36882	1.0594	NO	

RL=1009  
 V8  
 6.5.09  
 (5)

Quantity Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:19:46 Pacific Daylight Time  
 Printed: Friday, June 05, 2009 10:21:39 Pacific Daylight Time

Name: 03JUN0910D5\_7, Date: 03-Jun-2009, Time: 17:13:23, ID: LAARR-2-AA, Description: G9D300218-1RX, Task:

# Name	Trace	Sample Size	RT	Pid	RT	RRF	M...	Abs	Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio	Fl...	Mod	Date	
32 13C-HpCB-170	405.843	0.250	46.75	46.77	0.51406		432245.59	4015.0099	4015.0099	100.4	3.82078	1.0422				NO			
33 HpCB-170	393.803	0.250	46.76	46.77	1.58019		28889.37	169.1836	<del>42.1099</del>	95.1	2.29861	0.7963				YES			
34 13C-HpCB-189	405.843	0.250	48.61	48.61	0.70062		558200.84	3804.3309	3804.3309	95.1	2.80339	1.0431				NO			
35 HpCB-189	393.803	0.250	47.72	48.64	1.22015		3769.57	22.1385	22.1385		2.07775	0.9834				NO			
36																			
37 13C-PeCB-111	335.924	0.250	33.87	33.90	1.28382		639183.98	3394.5865	3394.5865	84.9	4.07240	0.6321				NO			
38																			
39 Function 3 PFK	380.976	1.000								0.00									
40 Function 4 PFK	380.976	1.000								0.00									

Quantity Sample Summary Report Masslynx 4.1

Dataset: C:\MassLynx\Default\prot03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

Name: 03JUN0910D5\_7, Date: 03-Jun-2009, Time: 17:13:23, ID: LA4RR-2-AA, Description: G9D300218-1RX, Task:

# Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	0.250	32.09	32.13	18021....	1257224.63	279.0441	279.0441	3.5	0.16144	0.63	NO	
2													
3 13C-TeCB-81	301.963	0.250	33.99	34.04	1.03699	512834.05	3149.9253	3149.9253	78.7	4.82501	0.79	NO	
4 TeCB-81	289.922	0.250		34.00	1.44683					4.05729		NO	
5 13C-TeCB-77	301.963	0.250	34.68	34.74	1.08641	552068.09	3233.5260	3233.5260	80.8	4.60107	0.80	NO	
6 TeCB-77	289.922	0.250	34.69	34.69	1.29292	31113.62	174.3599	174.3599		4.14194	0.76	NO	
7													
8 13C-PeCB-123	335.924	0.250	36.35	36.37	0.95097	539689.08	3611.2092	3611.2092	90.3	4.86698	0.63	NO	
9 PeCB-123	323.883	0.250	36.54	36.37	1.51322	292489.09	1432.5006	1432.5006		2.93928	0.64	NO	
10 13C-PeCB-118	335.924	0.250	36.52	36.54	0.97993	546016.48	3567.4344	3567.4344	89.2	4.75227	0.65	NO	
11 PeCB-118/106	323.883	0.250	36.20	36.54	1.52848	22017.54	105.5268	105.5268		2.77489	0.60	NO	
12 13C-PeCB-114	335.924	0.250	37.29	37.33	1.01913	581785.80	3632.5362	3632.5362	90.8	4.54148	0.63	NO	
13 PeCB-114	323.883	0.250		37.31	1.58175					2.47849		NO	
14 13C PeCB-105	335.924	0.250	38.35	38.40	0.96994	561108.28	3681.1295	3681.1295	92.0	4.77183	0.63	NO	
15 PeCB-105/127	323.883	0.250	38.38	38.37	1.41405	95125.71	479.5651	479.5651		2.85989	0.60	NO	
16 13C-PeCB-126	335.924	0.250	40.66	40.75	1.05005	704751.47	4270.7281	4270.7281	106.8	4.40774	0.62	NO	
17 PeCB-126	323.883	0.250		40.69	1.18292					2.73506		NO	
18													
19 13C-OcCB-202	439.804	0.250	43.43	43.51	2.2301....	1675416.25	300.5026	300.5026	3.8	0.10267	0.90	NO	
20													
21 13C-HxCB-167	371.882	0.250	42.01	42.03	0.92060	728671.75	3779.4363	3779.4363	94.5	2.68191	1.27	NO	
22 HxCB-167	359.841	0.250	42.04	42.04	1.34432	8745.76	35.7128	35.7128		2.23215	1.13	NO	
23 13C-HxCB-156	371.882	0.250	43.59	43.61	0.74676	586046.03	3747.2965	3747.2965	93.7	3.30625	1.31	NO	
24 HxCB-156	359.841	0.250	43.61	43.62	1.67701	171770.31	69.8828	69.8828		2.31614	1.33	NO	
25 13C-HxCB-157	371.882	0.250	43.96	43.99	0.78876	626306.81	3791.4819	3791.4819	94.8	3.13019	1.26	NO	
26 HxCB-157	359.841	0.250	43.99	43.98	1.65897	3867.32	14.8882	14.8882		2.05416	1.06	NO	
27 13C-HxCB-169	371.882	0.250	46.18	46.24	0.84240	698825.75	3961.1354	3961.1354	99.0	2.93089	1.27	NO	
28 HxCB-169	359.841	0.250	46.78	46.21	1.15392	1003.96	4.9800	4.0109		2.70012	1.78	YES	
29													
30 13C-HpCB-180	405.843	0.250	44.75	44.75	0.63199	514305.98	3885.7723	3885.7723	97.1	3.10779	1.05	NO	
31 HpCB-180	393.803	0.250	44.77	44.78	1.27271	133230.62	814.1673	814.1673		2.36882	1.06	NO	
32 13C-HpCB-170	405.843	0.250	46.75	46.76	0.51406	432245.59	4015.0099	4015.0099	100.4	3.82078	1.04	NO	
33 HpCB-170	393.803	0.250	46.76	46.77	1.58019	28889.37	169.1836	147.1099		2.29861	0.80	YES	
34 13C-HpCB-189	405.843	0.250	48.61	48.61	0.70062	558200.84	3804.3309	3804.3309	95.1	2.80339	1.04	NO	
35 HpCB-189	393.803	0.250	47.73	48.64	1.22015	3769.57	22.1385	22.1385		2.07775	0.98	NO	

PL = 100%

5

**Quantity Sample Summary Report**      **MassLynx 4.1**

Dataset:      C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

Last Altered:      Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed:      Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

**Name: 03JUN0910D5\_7, Date: 03-Jun-2009, Time: 17:13:23, ID: LA4RR-2-AA, Description: G9D300218-1RX, Task:**

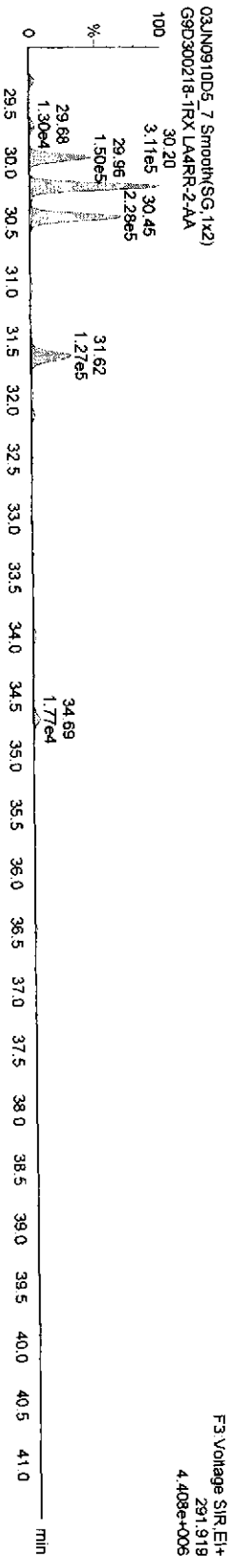
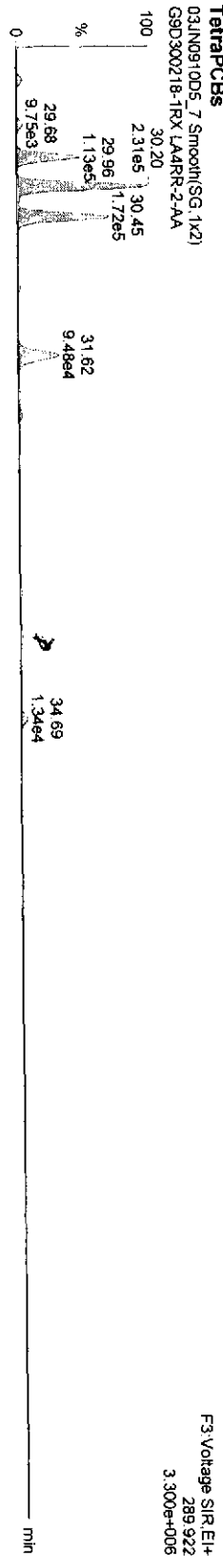
# Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36														
37	13C-PeCB-111	335.924	0.250	33.87	33.90	1.28382	639183.98	3394.5865		84.9	4.07240	0.63	NO	
38														
39	Function 3 PFK	380.976	1.000											
40	Function 4 PFK	380.976	1.000											

Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

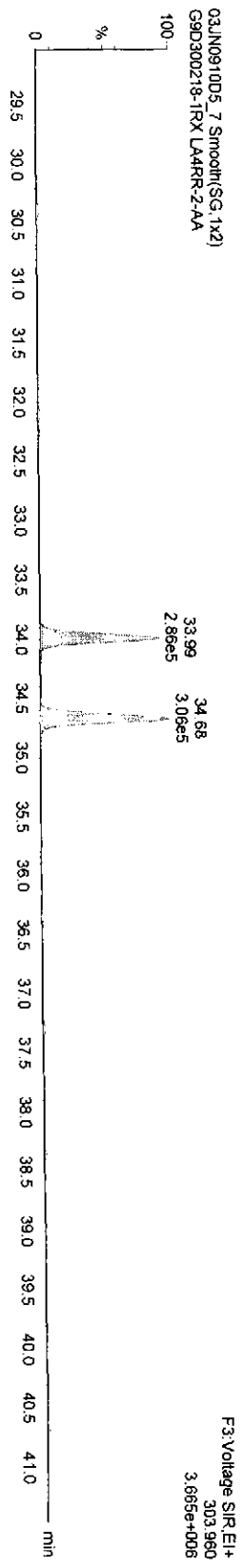
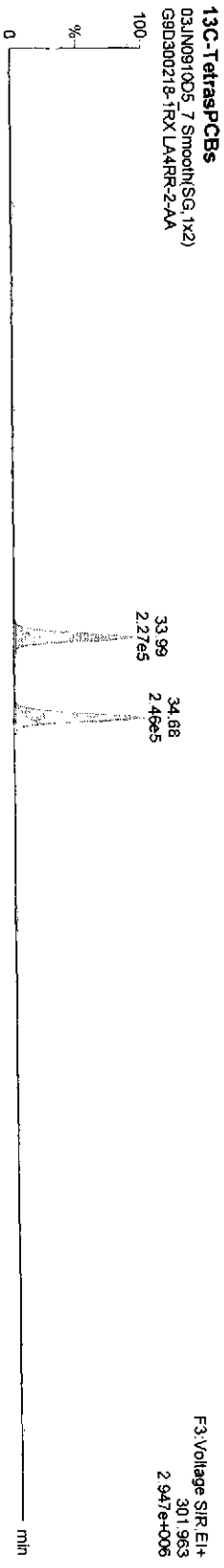
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_7, Date: 03-Jun-2009, Time: 17:13:23, ID: LA4RR-2-AA, Description: G9D300218-1RX

**TetraPCBs**



**13C-TetrakisPCBs**

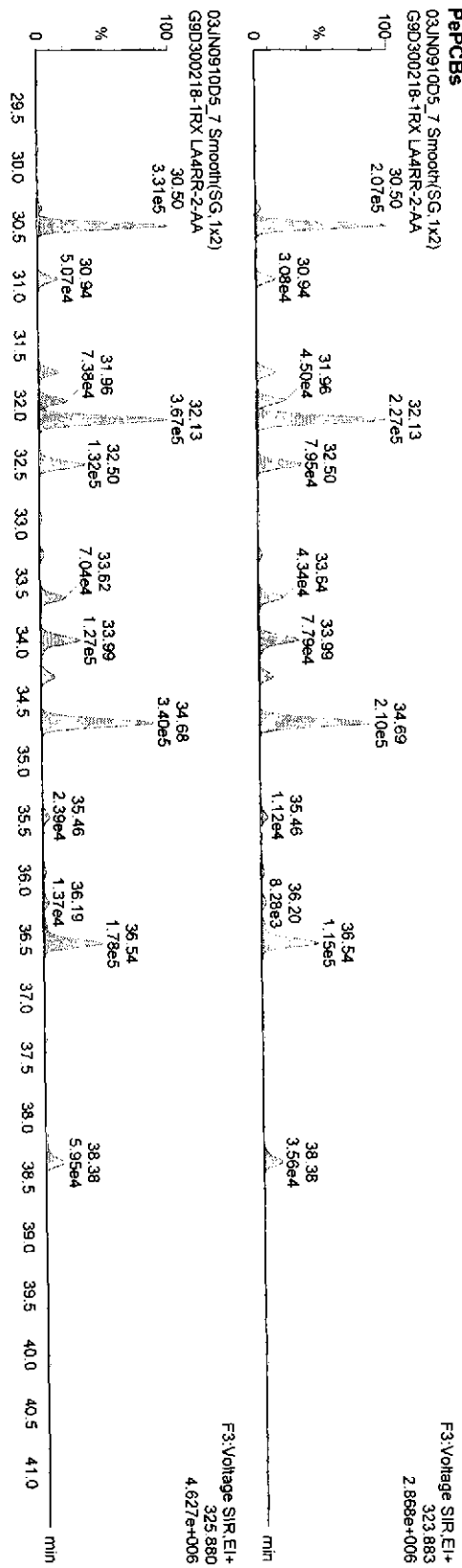


Dataset: C:\MassLynx\Default\pro03JUN0910D51668MSL.qld

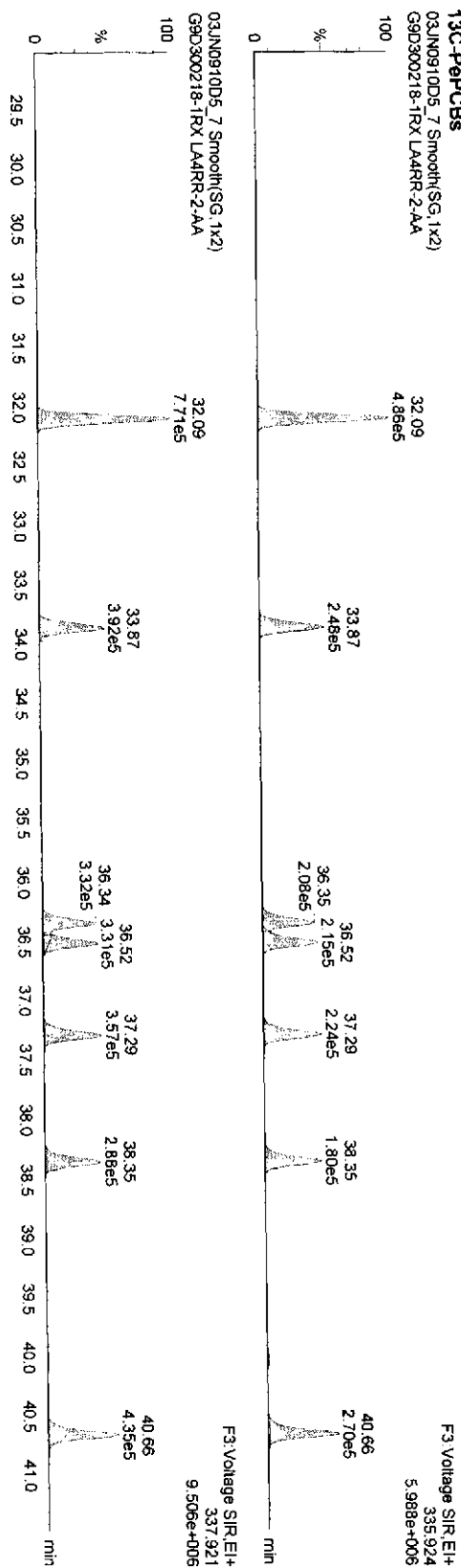
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_7, Date: 03-Jun-2009, Time: 17:13:23, ID: LA4RR-2-AA, Description: G9D300218-1RX

**PePCBs**



**13C-PePCBs**

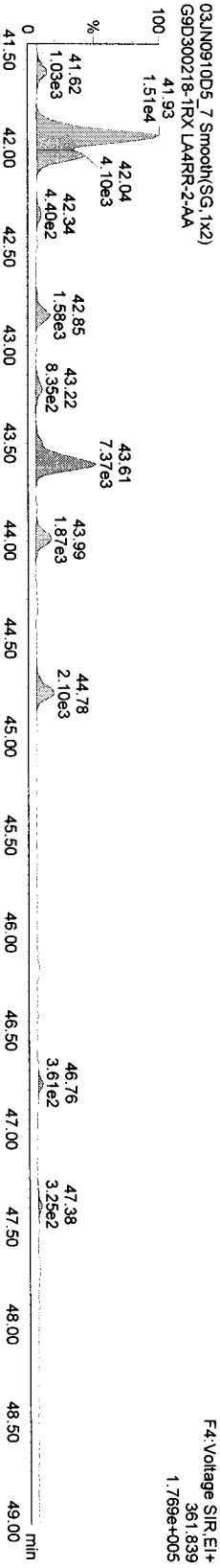
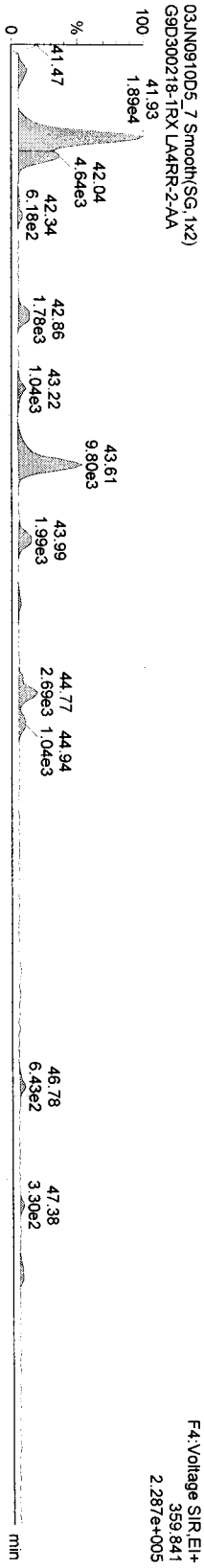


Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

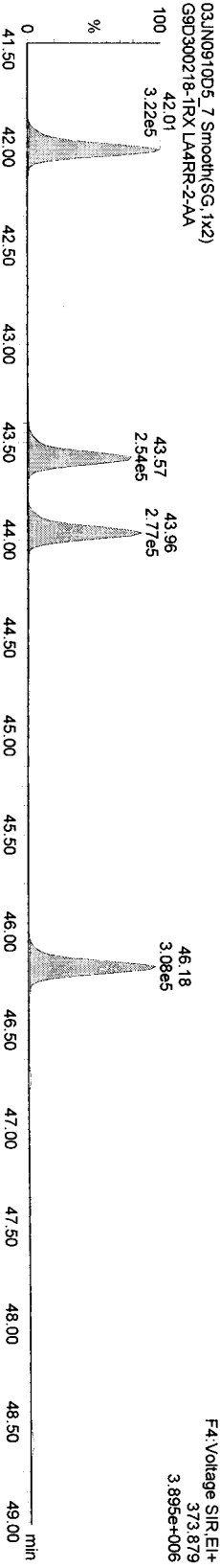
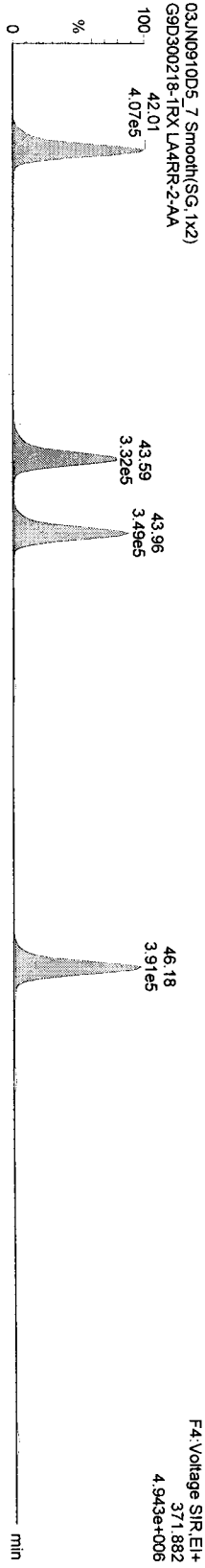
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_7, Date: 03-Jun-2009, Time: 17:13:23, ID: LA4RR-2-AA, Description: G9D300218-1RX

HXPCBS-



13C-HXPCBS

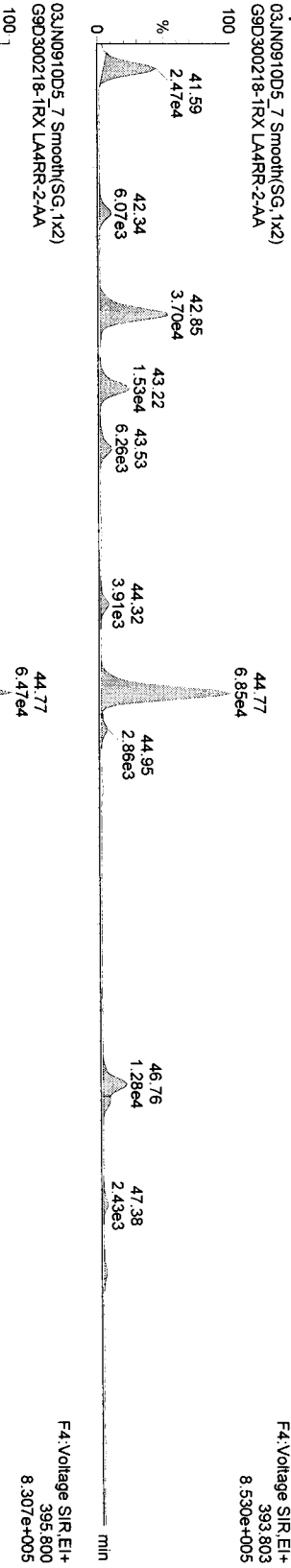


Dataset: C:\MassLynx\Default\pro03JUN0910D51668MSL.qld

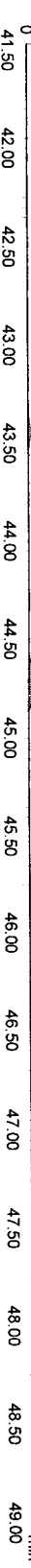
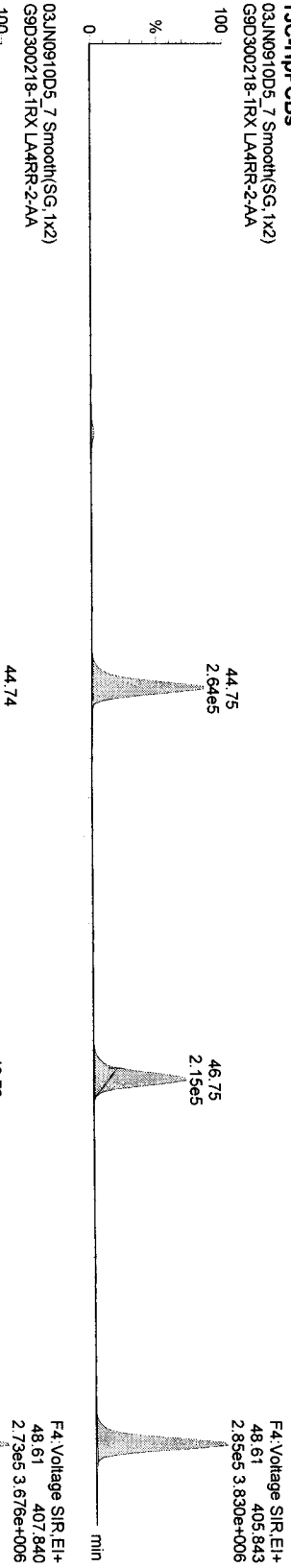
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_7, Date: 03-Jun-2009, Time: 17:13:23, ID: LA4RR-2-AA, Description: G9D300218-1RX

**HPPCBS**



**13C-HPPCBS**



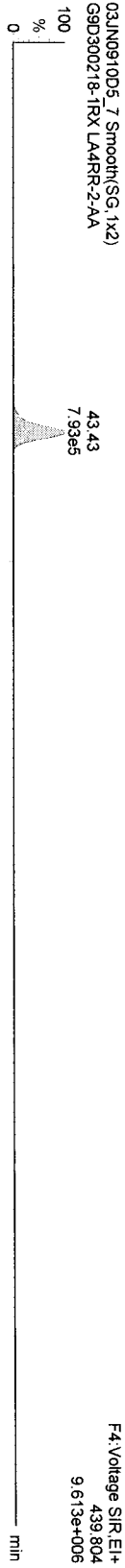


Dataset: C:\MassLynx\Default\proj\03JUN0910D51668MSL.qld

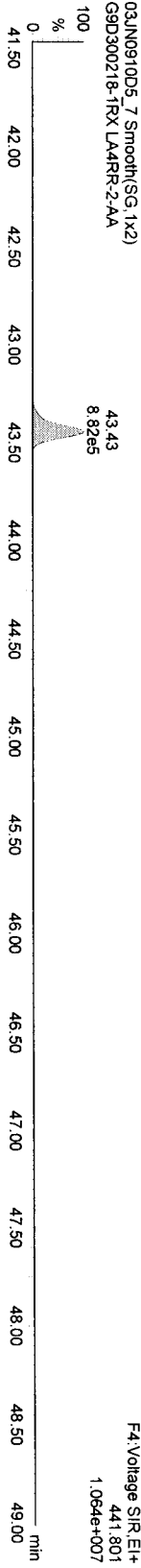
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_7, Date: 03-Jun-2009, Time: 17:13:23, ID: LA4RR-2-AA, Description: G9D300218-1RX

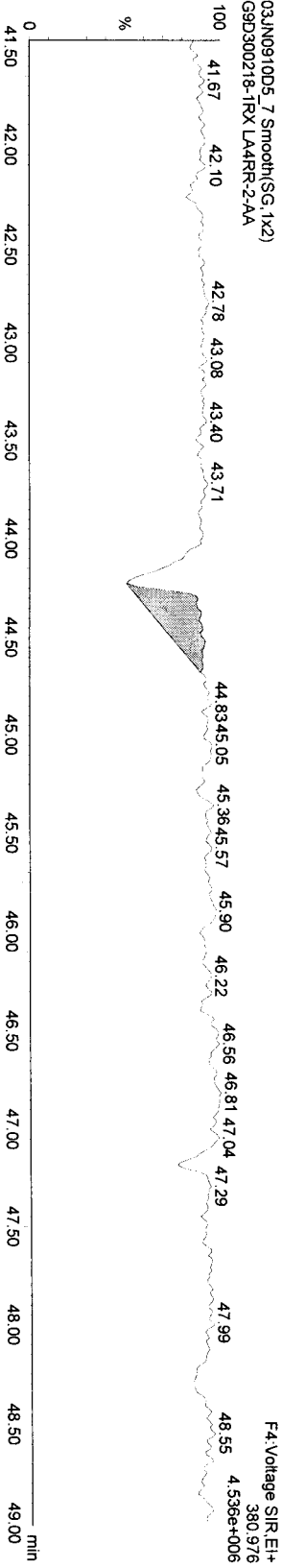
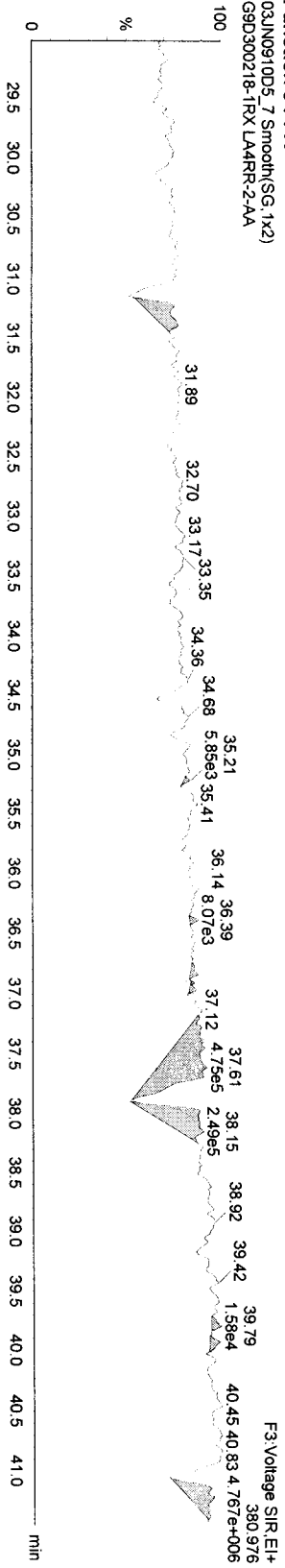
**13C-OcCB-202**



**Function 3 PFK**



**Function 4 PFK**



Quantify Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:32:06 Pacific Daylight Time  
 Printed: Friday, June 05, 2009 10:34:39 Pacific Daylight Time

*Handwritten:* R.L. = 100%, V9 C.S. 09

Method: C:\MassLynx\DEFAULT.PROMethDB\1668MSL10DB5.mdb 22 May 2009 10:05:00  
 Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\CA0528200910D51668MSL.cdb 29 May 2009 14:02:36

Name: 03JUN0910D5\_8, Date: 03-Jun-2009, Time: 18:10:14, ID: LA4R1-2-AA, Description: G9D300218-2RX, Task:

# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs.Resp	pg	EMFC	%Rec	EDL	Ratio	Ratio Fi...	Mod Date
1 13C-PeCB-101	335.924	0.250	32.06	32.13	1.8021....	751249.59	166.7417	166.7417	2.1	0.12500	0.6416	NO	
2													
3 13C-TeCB-81	301.963	0.250	33.95	34.00	1.03599	319469.36	3283.8344	3283.8344	82.1	6.56905	0.7741	NO	
4 TeCB-81	289.922	0.250			33.97	1.44583				4.02878		NO	
5 13C-TeCB-77	301.963	0.250	34.62	34.71	1.08641	327174.47	3206.9467	3206.9467	80.2	6.26416	0.7902	NO	
6 TeCB-77	289.922	0.250	34.66	34.64	1.29292	163019.61	1541.5202	1541.5202	NDC	4.51083	0.7661	NO	
7													
8 13C-PeCB-123	335.924	0.250	36.30	36.33	0.95097	306463.59	3431.7570	3431.7570	85.8	6.30638	0.6387	NO	
9 PeCB-123	323.883	0.250	36.35	36.32	1.51322	39313.80	339.0975	339.0975		3.94279	0.6210	NO	
10 13C-PeCB-118	335.924	0.250	36.47	36.50	0.97393	319886.91	3497.4232	3497.4232	87.4	6.15774	0.6198	NO	
11 PeCB-118/106	323.883	0.250	36.49	36.49	1.52848	975533.13	7981.2791	7981.2791		3.78758	0.6204	NO	
12 13C-PeCB-114	335.924	0.250	37.26	37.29	1.01913	337251.75	3523.9495	3523.9495	88.1	5.88462	0.6455	NO	
13 PeCB-114	323.883	0.250	37.27	37.27	1.58175	34621.11	259.6026	259.6026		3.48741	0.6188	NO	05-Jun-09
14 13C PeCB-105	335.924	0.250	38.31	38.37	0.96994	330700.66	3630.7647	3630.7647	90.8	6.18309	0.6223	NO	
15 PeCB-105/127	323.883	0.250	38.33	38.33	1.41405	432424.08	3698.8876	3698.8876		3.95016	0.6136	NO	
16 13C-PeCB-126	335.924	0.250	40.61	40.71	1.05005	359707.78	3647.9123	3647.9123	91.2	5.71133	0.6111	NO	
17 PeCB-126	323.883	0.250			1.18292					4.57969		NO	
18													
19 13C-OcCB-202	439.804	0.250	43.40	43.51	2.2301....	812893.31	145.8005	145.8005	1.8	0.05905	0.9027	NO	
20													
21 13C-HxCB-167	371.882	0.250	41.98	41.99	0.92060	369081.06	3945.5362	3945.5362	98.6	4.49997	1.2948	NO	
22 HxCB-167	359.841	0.250	41.99	42.01	1.34432	21513.76	173.4412	173.4412	RL	2.80581	1.1079	NO	
23 13C-HxCB-156	371.882	0.250	43.54	43.57	0.74676	296434.42	3906.6466	3906.6466	97.7	5.54755	1.2897	NO	
24 HxCB-156	359.841	0.250	43.57	43.57	1.67701	42848.61	344.7720	344.7720		2.82524	1.2653	NO	
25 13C-HxCB-157	371.882	0.250	43.93	43.96	0.78876	317688.83	3963.8113	3963.8113	99.1	5.25214	1.2724	NO	
26 HxCB-157	359.841	0.250	43.94	43.94	1.65897	9172.16	69.6131	69.6131		2.72029	1.1719	NO	
27 13C-HxCB-169	371.882	0.250	46.14	46.21	0.84240	232900.85	2720.8903	2720.8903	68.0	4.91774	1.2951	NO	
28 HxCB-169	359.841	0.250	46.73	46.17	1.15392	3466.65	51.5969	38.8259		5.38354	1.9768	YES	
29													
30 13C-HpCB-180	405.843	0.250	44.70	44.72	0.63199	253624.60	3949.4473	3949.4473	98.7	4.52121	1.0426	NO	
31 HpCB-180	393.803	0.250	44.74	44.73	1.27271	252060.28	3123.5195	3123.5195		3.12821	1.0518	NO	

Quantity Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:32:06 Pacific Daylight Time  
 Printed: Friday, June 05, 2009 10:34:39 Pacific Daylight Time

Name: 03JUN0910D5\_8, Date: 03-Jun-2009, Time: 18:10:14, ID: LA4R1-2-AA, Description: G9D300218-2RX, Task:

# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
32 13C-HpCB-170	405.843	0.250	46.72	46.73	0.51406	208344.63	3988.6646	3988.6646	99.7	5.55846	1.0744	NO	
33 HpCB-170	393.803	0.250	46.73	46.73	1.58019	76725.36	932.1963	<del>8205395</del>		3.17016	1.3176	YES	
34 13C-HpCB-189	405.843	0.250	48.58	48.58	0.70062	285146.78	4005.3959	4005.3959	100.1	4.07837	1.0361	NO	
35 HpCB-189	393.803	0.250			1.22015							NO	
36													
37 13C-PeCB-111	335.924	0.250	33.80	33.90	1.28382	404071.81	3805.8401		95.1	5.64822	0.6312	NO	
38													
39 Function 3 PFK	380.976	1.000			0.00								
40 Function 4 PFK	380.976	1.000			0.00								

Quantity Sample Summary Report Masslynx 4.1

Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

Name: 03JUN0910D5\_8, Date: 03-Jun-2009, Time: 18:10:14, ID: LA4R1-2-AA, Description: G9D300218-2RX, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	0.250	32.06	32.13	18021...	751249.59	166.7417	166.7417	2.1	0.12500	0.64	NO	
2													
3 13C-TeCB-81	301.963	0.250	33.95	34.00	1.03599	319469.36	3283.8344	3283.8344	82.1	6.56905	0.77	NO	
4 TeCB-81	289.922	0.250			33.97	1.44583				4.02878		NO	
5 13C-TeCB-77	301.963	0.250	34.62	34.71	1.08641	327174.47	3206.9467	3206.9467	80.2	6.26416	0.79	NO	
6 TeCB-77	289.922	0.250	34.66	34.64	1.29292	163019.61	1541.5202	1541.5202	NDG	4.51083	0.77	NO	
7													
8 13C-PeCB-123	335.924	0.250	36.30	36.33	0.95097	306463.59	3431.7570	3431.7570	85.8	6.30638	0.64	NO	
9 PeCB-123	323.883	0.250	36.35	36.32	1.51322	39313.80	339.0975	339.0975		3.94279	0.62	NO	
10 13C-PeCB-118	335.924	0.250	36.47	36.50	0.97393	319886.91	3497.4232	3497.4232	87.4	6.15774	0.62	NO	
11 PeCB-118/106	323.883	0.250	36.49	36.49	1.52848	975533.13	7981.2791	7981.2791		3.78758	0.62	NO	
12 13C-PeCB-114	335.924	0.250	37.26	37.29	1.01913	337251.75	3523.9495	3523.9495	88.1	5.88462	0.65	NO	
13 PeCB-114	323.883	0.250			37.27	1.58175				3.48741		NO	
14 13C-PeCB-105	335.924	0.250	38.31	38.37	0.96994	330700.66	3630.7647	3630.7647	90.8	6.18309	0.62	NO	
15 PeCB-105/127	323.883	0.250	38.33	38.33	1.41405	432424.08	3698.8876	3698.8876		3.95016	0.61	NO	
16 13C-PeCB-126	335.924	0.250	40.61	40.71	1.05005	359707.78	3647.9123	3647.9123	91.2	5.71133	0.61	NO	
17 PeCB-126	323.883	0.250			40.64	1.18292				4.57969		NO	
18													
19 13C-OcCB-202	439.804	0.250	43.40	43.51	22301...	812893.31	145.8005	145.8005	1.8	0.05905	0.90	NO	
20													
21 13C-HXCB-167	371.882	0.250	41.98	41.99	0.92060	369081.06	3945.5362	3945.5362	98.6	4.49997	1.29	NO	
22 HXCB-167	359.841	0.250	41.99	42.01	1.34432	21513.76	173.4412	173.4412	RL	2.80581	1.11	NO	
23 13C-HXCB-156	371.882	0.250	43.54	43.57	0.74676	296434.42	3906.6466	3906.6466	97.7	5.54755	1.29	NO	
24 HXCB-156	359.841	0.250	43.57	43.57	1.67701	42848.61	344.7720	344.7720		2.82524	1.27	NO	
25 13C-HXCB-157	371.882	0.250	43.93	43.96	0.78876	317688.83	3963.8113	3963.8113	99.1	5.25214	1.27	NO	
26 HXCB-157	359.841	0.250	43.94	43.94	1.65897	9172.16	69.6131	69.6131		2.72029	1.17	NO	
27 13C-HXCB-169	371.882	0.250	46.14	46.21	0.84240	232900.85	2720.8903	2720.8903	68.0	4.91774	1.30	NO	
28 HXCB-169	359.841	0.250	46.73	46.18	1.15392	3466.65	51.5969	38.8259		5.38354	1.98	YES	
29													
30 13C-HpCB-180	405.843	0.250	44.70	44.72	0.63199	253624.60	3949.4473	3949.4473	98.7	4.52121	1.04	NO	
31 HpCB-180	393.803	0.250	44.73	44.73	1.27271	252060.28	3123.5195	3123.5195		3.12821	1.05	NO	
32 13C-HpCB-170	405.843	0.250	46.72	46.73	0.51406	208344.63	3988.6646	3988.6646	99.7	5.55846	1.07	NO	
33 HpCB-170	393.803	0.250	46.73	46.73	1.58019	76725.36	932.1963	820.5335		3.17016	1.32	YES	
34 13C-HpCB-189	405.843	0.250	48.58	48.58	0.70062	285146.78	4005.3959	4005.3959	100.1	4.07837	1.04	NO	
35 HpCB-189	393.803	0.250			48.61	1.22015				2.64577		NO	

RL = 1000

6

**Quantity Sample Summary Report      MassLynx 4.1**

Dataset:      C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

Last Altered:      Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed:      Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

**Name: 03JUN0910D5\_8, Date: 03-Jun-2009, Time: 18:10:14, ID: LA4R1-2-AA, Description: G9D300218-2RX, Task:**

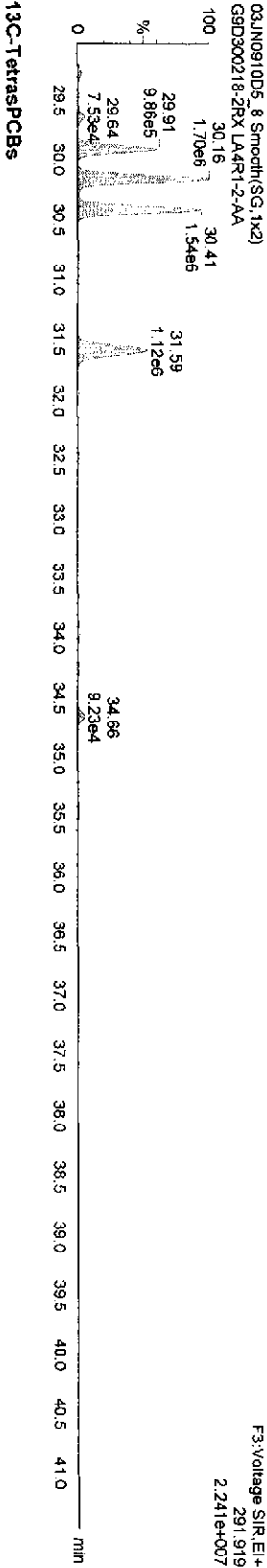
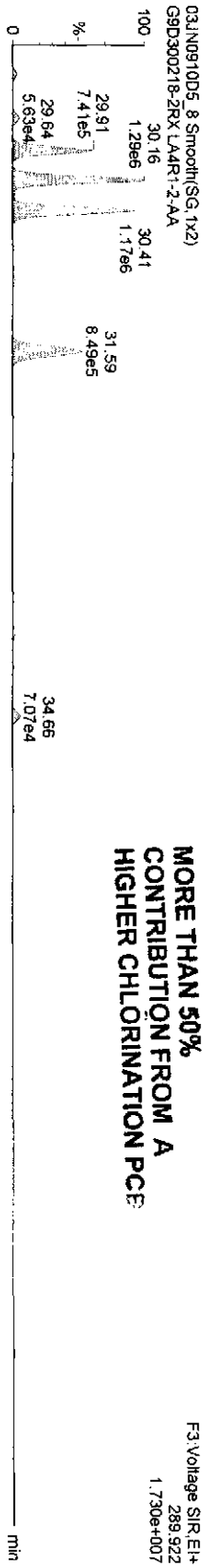
# Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36														
37	13C-PeCB-111	335.924	0.250	33.80	33.90	1.28382	404071.81	3805.8401		95.1	5.64822	0.63	NO	
38														
39	Function 3 PFK	380.976	1.000											
40	Function 4 PFK	380.976	1.000											

Dataset: C:\Masslynx\Default\pro\03JUN0910D51668MSL.qld

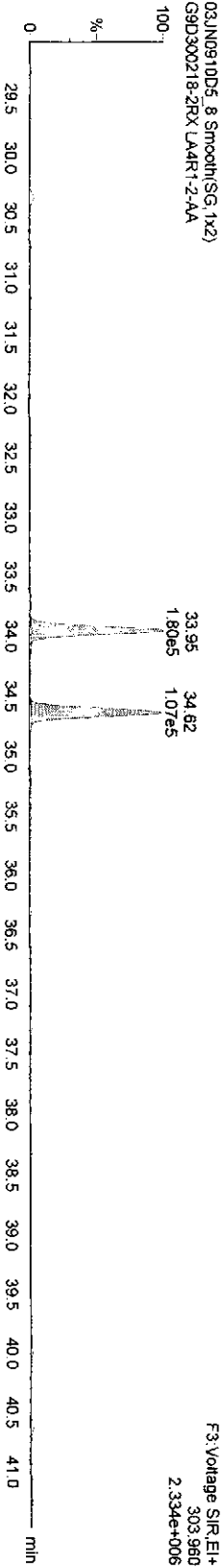
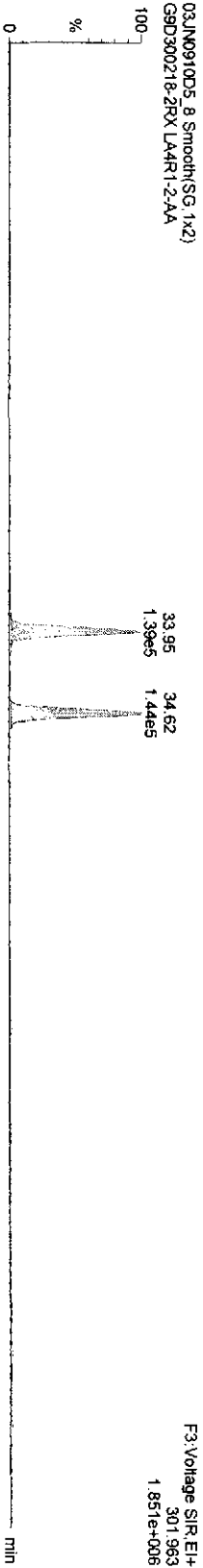
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_8, Date: 03-Jun-2009, Time: 18:10:14, ID: LA4R1-2-AA, Description: G9D300218-2RX

**TetraPCBs**



**13C-TetrasPCBs**

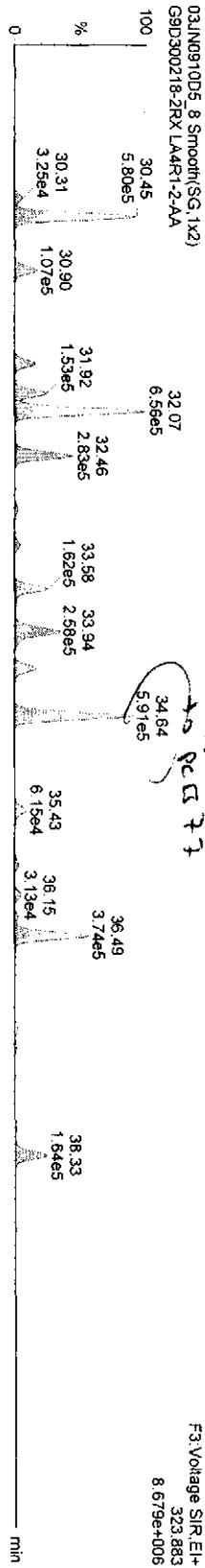


Dataset: C:\Masslynx\Default\pro\03JUN0910D51668MSL.qld

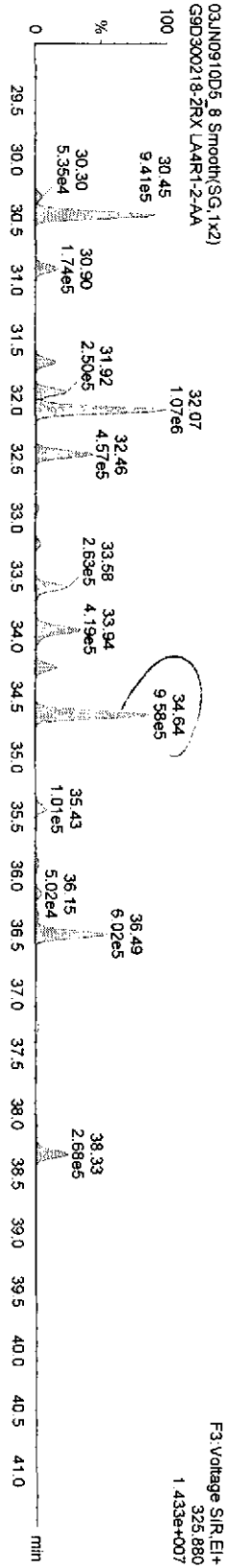
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_8, Date: 03-Jun-2009, Time: 18:10:14, ID: LA4R1-2-AA, Description: G9D300218-2RX

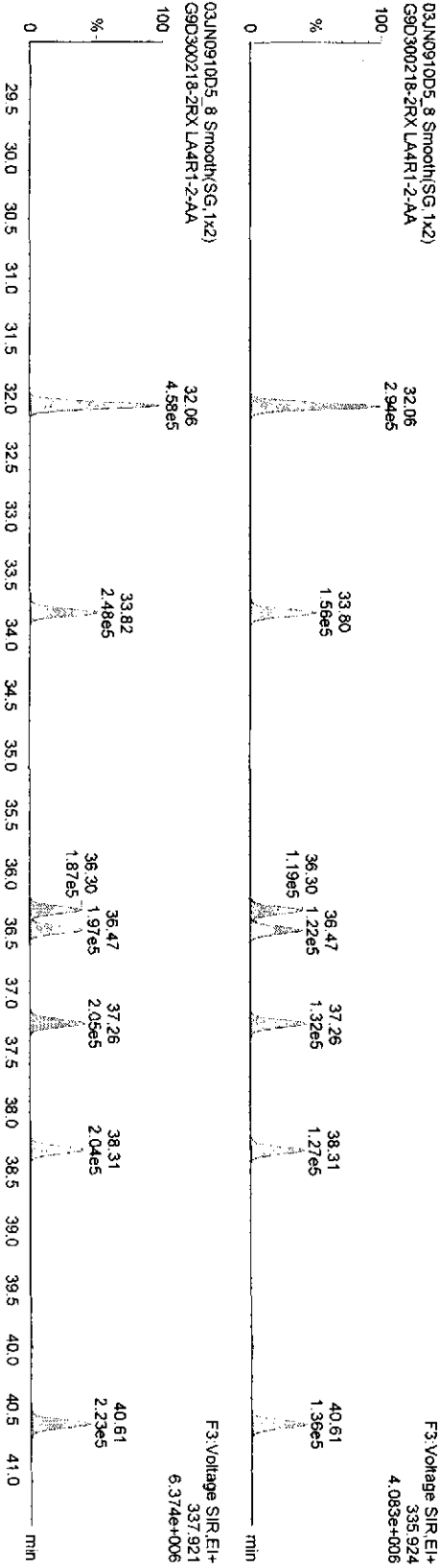
PePCBs



13C-PePCBs



13C-PePCBs



Dataset: \\Terastation\share\ATG\10D5\03JUN09\10D51668MSL.qld

Last Altered: Friday, June 05, 2009 10:32:06 Pacific Daylight Time

Printed: Friday, June 05, 2009 10:33:54 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1668MSL10DB5.mdb 22 May 2009 10:05:00  
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\CA0528200910D51668MSL.cdb 29 May 2009 14:02:36

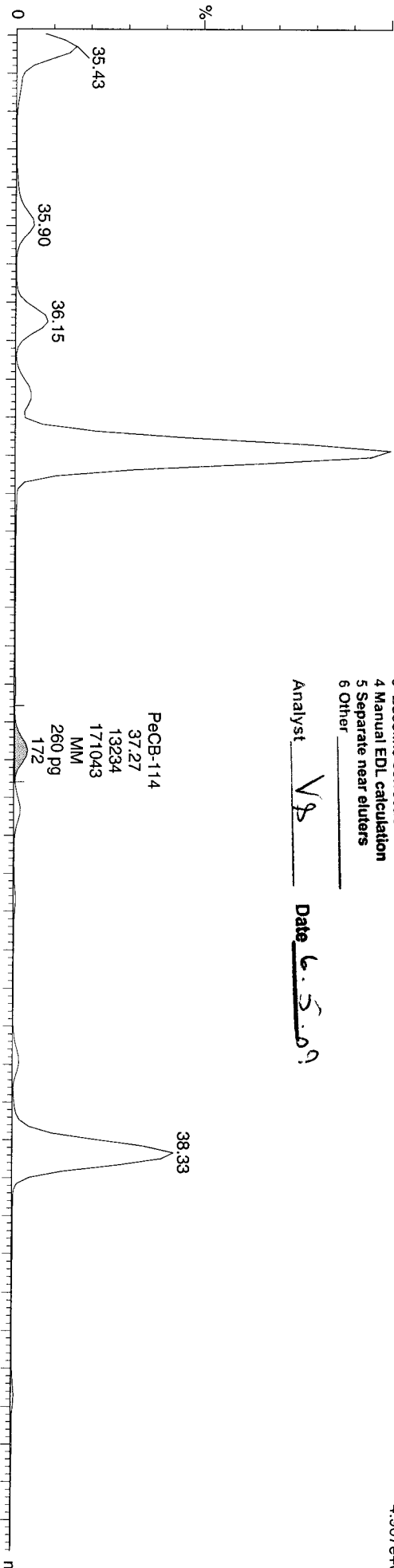
Sample Name: 03JUN0910D5\_8

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

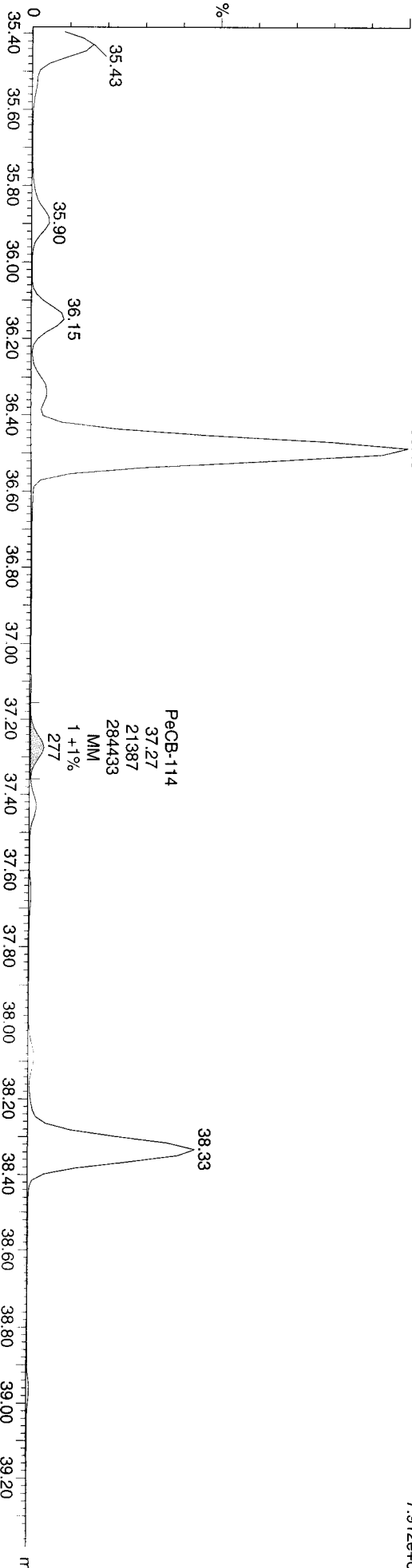
Analyst: VS Date: 6.5.09

F3: Voltage SIR, EI+  
323.883  
4.907e+006



03JUN0910D5\_8 Smooth(SG,1x2)  
G9D300218-2RX LA4R1-2-AA

F3: Voltage SIR, EI+  
325.880  
7.912e+006



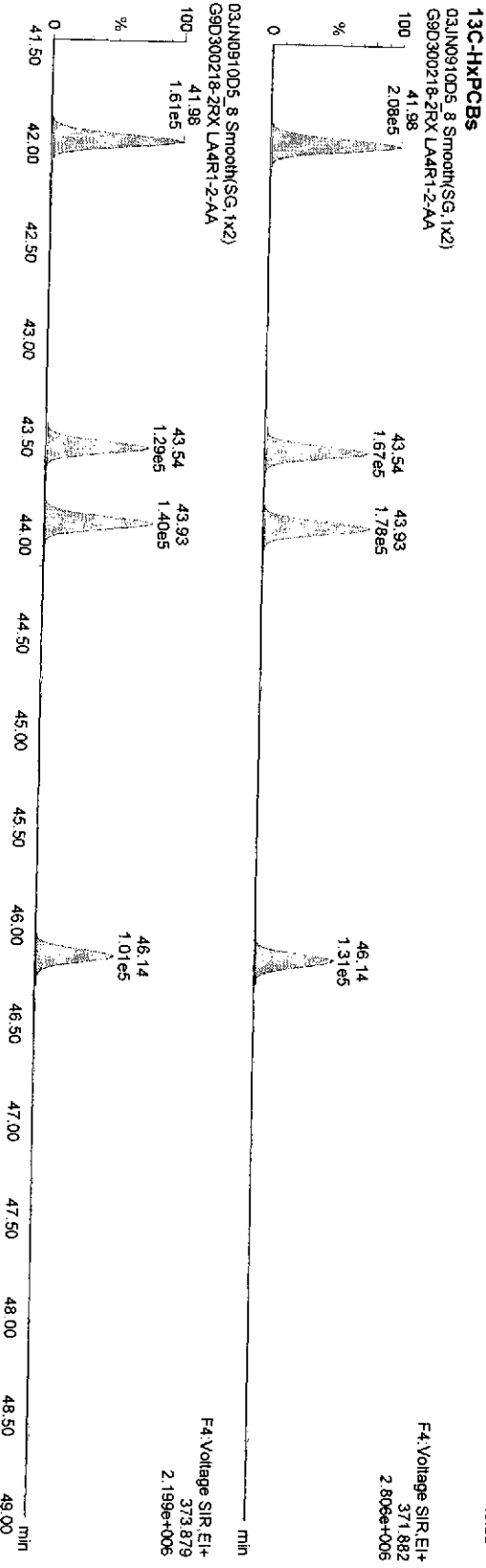
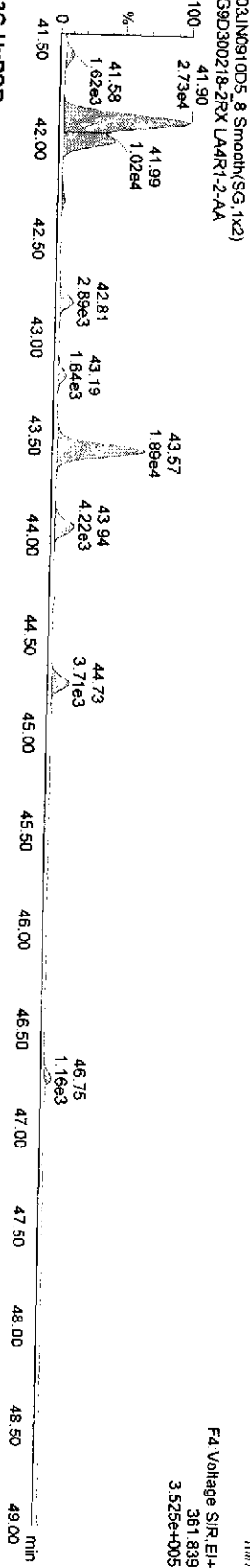


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\proj\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_8, Date: 03-Jun-2009, Time: 18:10:14, ID: LA4R1-2-AA, Description: G9D300218-2RX

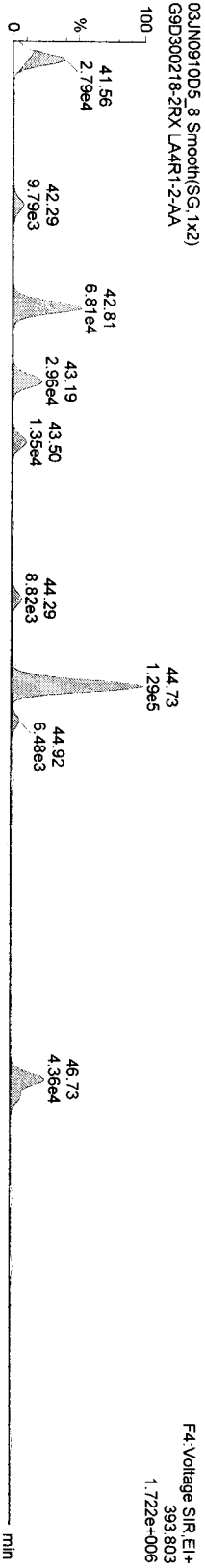


Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qid

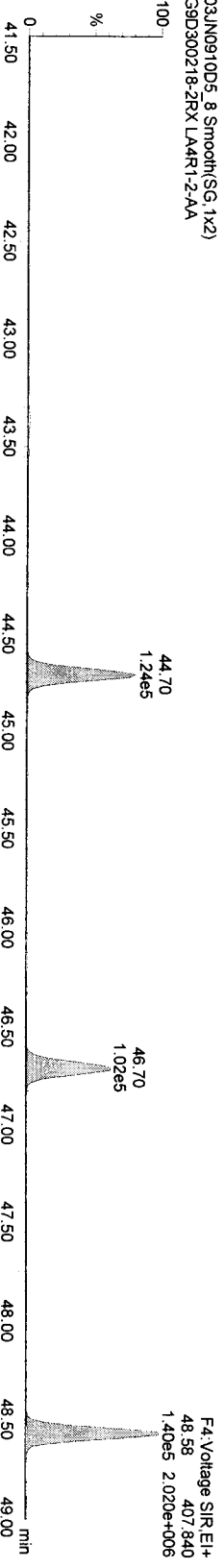
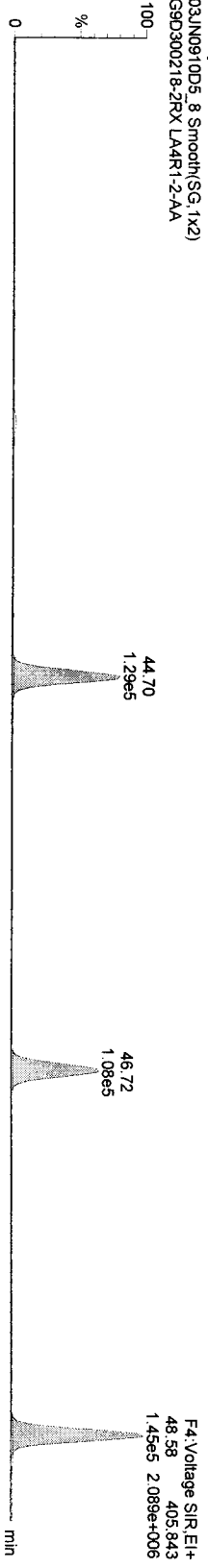
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_8, Date: 03-Jun-2009, Time: 18:10:14, ID: LA4R1-2-AA, Description: G9D300218-2RX

HPPCBs



13C-HPPCBs

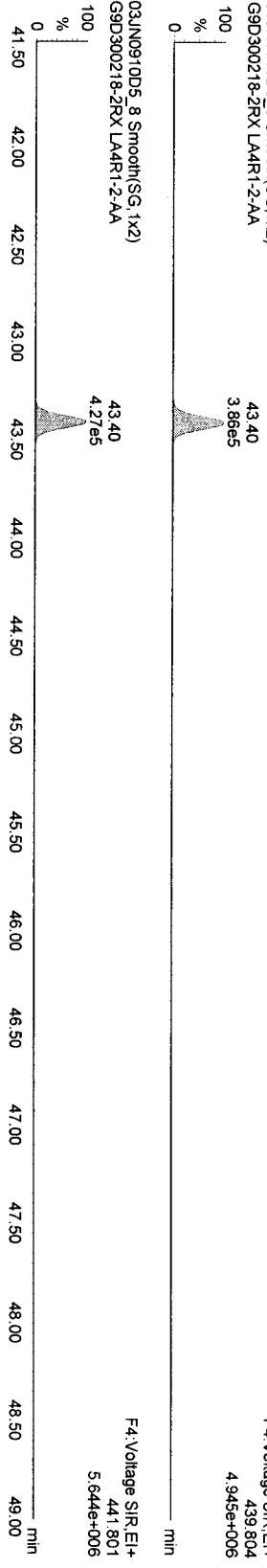


Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qid

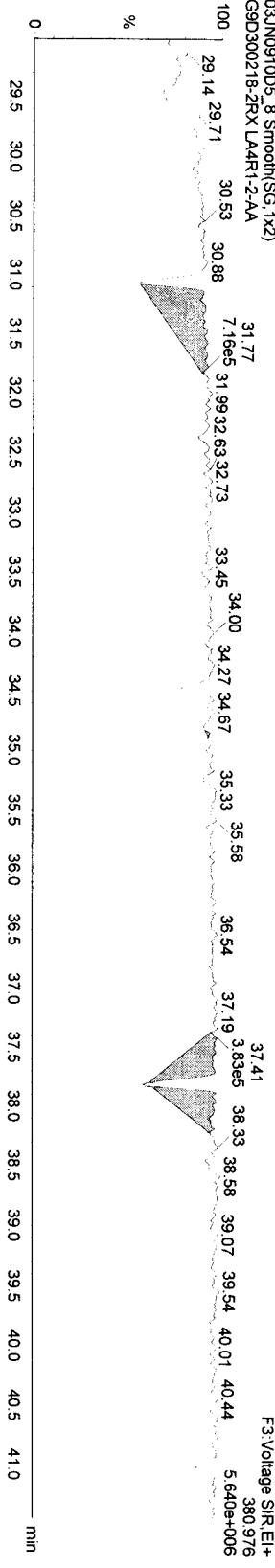
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_8, Date: 03-Jun-2009, Time: 18:10:14, ID: LA4R1-2-AA, Description: G9D300218-2RX

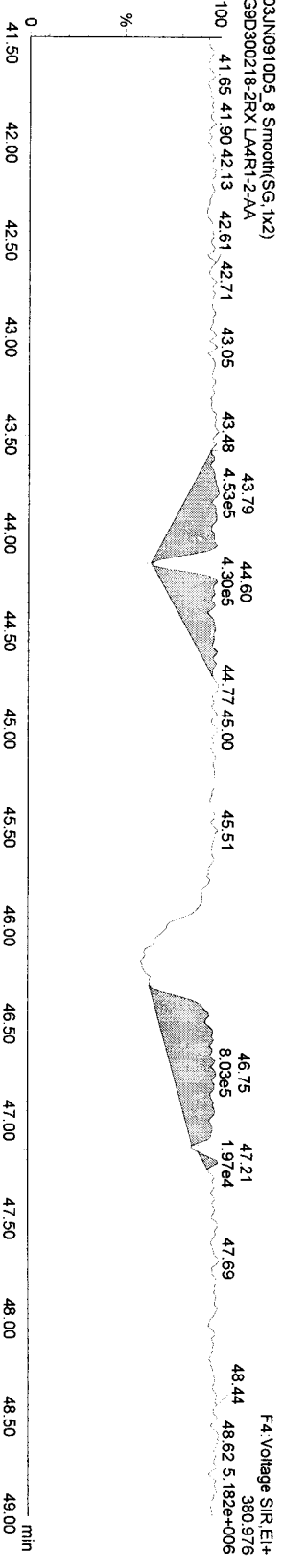
**13C-OcCB-202**  
03JUN0910D5\_8\_Smooth(SG,1x2)  
G9D300218-2RX LA4R1-2-AA



**Function 3 PFK**  
03JUN0910D5\_8\_Smooth(SG,1x2)  
G9D300218-2RX LA4R1-2-AA



**Function 4 PFK**  
03JUN0910D5\_8\_Smooth(SG,1x2)  
G9D300218-2RX LA4R1-2-AA



Quantity Sample Summary Report

Masslynx 4.1

Dataset: C:\Masslynx\Default.pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

Name: 03JUN0910D5\_9, Date: 03-Jun-2009, Time: 19:07:07, ID: LA4R2-2-AA, Description: G9D300218-3RX, Task:

# Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-PeCB-101	335.924	0.250	32.06	32.13	18021...	1582118.25	351.1550	351.1550	4.4	0.12972	0.63	NO
2	3 13C-TeCB-81	301.963	0.250	33.94	34.00	1.03599	608014.28	2967.6394	2967.6394	74.2	3.10087	0.80	NO
4	TeCB-81	289.922	0.250	33.95	33.95	1.44583				3.39518		NO	
5	13C-TeCB-77	301.963	0.250	34.64	34.71	1.08641	658890.66	3066.6979	3066.6979	76.7	2.95695	0.78	NO
6	TeCB-77	289.922	0.250	34.66	34.66	1.29292	165194.15	775.6576	775.6576		3.55859	0.74	NO
7													
8	13C-PeCB-123	335.924	0.250	36.30	36.34	0.95097	639884.67	3402.3945	3402.3945	85.1	3.10762	0.63	NO
9	PeCB-123	323.883	0.250	36.35	36.32	1.51322	41653.54	172.0714	172.0714		3.11801	0.60	NO
10	13C-PeCB-118	335.924	0.250	36.47	36.50	0.97393	648513.34	3366.9999	3366.9999	84.2	3.03437	0.64	NO
11	PeCB-118/106	323.883	0.250	36.50	36.49	1.52848	1071470.69	4323.7560	4323.7560		3.02901	0.62	NO
12	13C-PeCB-114	335.924	0.250	37.26	37.29	1.01913	674158.42	3344.8970	3344.8970	83.6	2.89978	0.63	NO
13	PeCB-114	323.883	0.250	37.28	37.28	1.58175				2.83045		NO	
14	13C-PeCB-105	335.924	0.250	38.32	38.37	0.96994	658881.20	3434.9109	3434.9109	85.9	3.04686	0.63	NO
15	PeCB-105/127	323.883	0.250	38.35	38.33	1.41405	435793.48	1870.9834	1870.9834		3.24460	0.61	NO
16	13C-PeCB-126	335.924	0.250	40.63	40.71	1.05005	752349.81	3622.9279	3622.9279	90.6	2.81439	0.63	NO
17	PeCB-126	323.883	0.250	40.66	40.66	1.18292				3.31037		NO	
18													
19	13C-OcCB-202	439.804	0.250	43.42	43.51	2.2301...	1846612.63	331.2083	331.2083	4.1	0.06732	0.91	NO
20													
21	13C-HxCB-167	371.882	0.250	41.99	42.01	0.92060	774568.22	3645.0349	3645.0349	91.1	1.94029	1.28	NO
22	HxCB-167	359.841	0.250	42.01	42.03	1.34432	22912.80	88.0190	88.0190		1.63585	1.16	NO
23	13C-HxCB-156	371.882	0.250	43.56	43.59	0.74876	635377.59	3686.0833	3686.0833	92.2	2.39199	1.31	NO
24	HxCB-156	359.841	0.250	43.57	43.59	1.67701	48384.32	181.6338	181.6338		1.60597	1.26	NO
25	13C-HxCB-157	371.882	0.250	43.95	43.98	0.78876	668969.47	3674.3039	3674.3039	91.9	2.26461	1.29	NO
26	HxCB-157	359.841	0.250	43.96	43.96	1.65897	10510.58	37.8827	37.8827		1.53790	1.40	NO
27	13C-HxCB-169	371.882	0.250	46.16	46.22	0.84240	681816.75	3506.4316	3506.4316	87.7	2.12043	1.28	NO
28	HxCB-169	359.841	0.250	46.75	46.19	1.15392	4194.36	21.3247	21.3247		2.01480	1.29	NO
29													
30	13C-HpCB-180	405.843	0.250	44.72	44.74	0.63199	546162.53	3743.9031	3743.9031	93.6	1.90124	1.02	NO
31	HpCB-180	393.803	0.250	44.75	44.75	1.27271	321736.94	1851.4424	1851.4424		1.50368	1.05	NO
32	13C-HpCB-170	405.843	0.250	46.72	46.75	0.51406	446898.75	3766.2757	3766.2757	94.2	2.33743	1.04	NO
33	HpCB-170	393.803	0.250	46.75	46.73	1.58019	80175.70	454.1343	454.1343		1.51935	1.07	NO
34	13C-HpCB-189	405.843	0.250	48.58	48.59	0.70062	591546.53	3657.8310	3657.8310	91.4	1.71502	1.03	NO
35	HpCB-189	393.803	0.250	48.61	48.61	1.22015				1.32214		NO	

Handwritten notes:  $R_L = 1.00$ ,  $V_S = 5.09$ , and a circled '2'.

**Quantify Sample Summary Report**      **MassLynx 4.1**

Dataset:      C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

Last Altered:      Thursday, June 04, 2009 10:49:03 Pacific Daylight Time

Printed:      Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

**Name: 03JUN0910D5\_9, Date: 03-Jun-2009, Time: 19:07:07, ID: LA4R2-2-AA, Description: G9D300218-3RX, Task:**

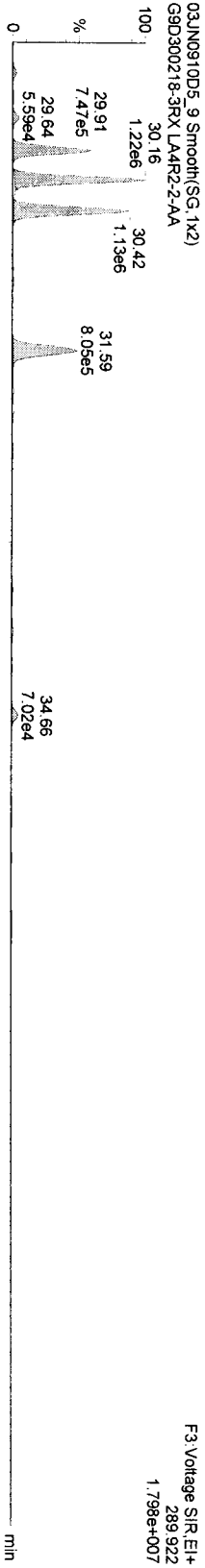
#	Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs Rasp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
36															
37	13C-PeCB-111		0.250	33.82	33.90	1.28382		739953.44	3416.7383		85.4	3.01855	0.63	NO	
38															
39	Function 3 PFK		1.000												
40	Function 4 PFK		1.000												

Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

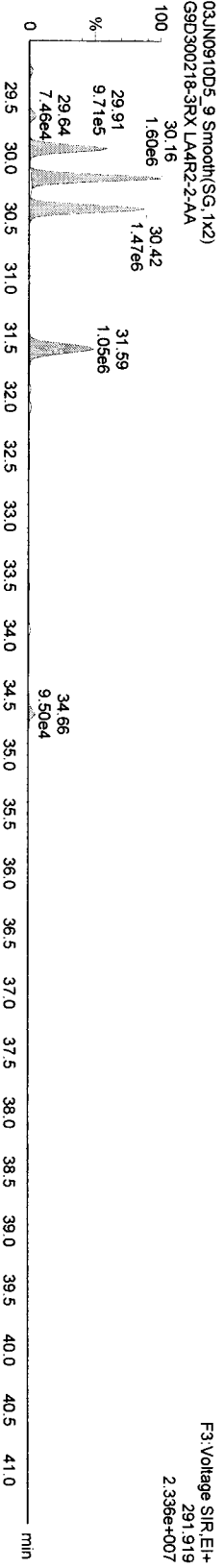
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_9, Date: 03-Jun-2009, Time: 19:07:07, ID: LA4R2-2-AA, Description: G9D300218-3RX

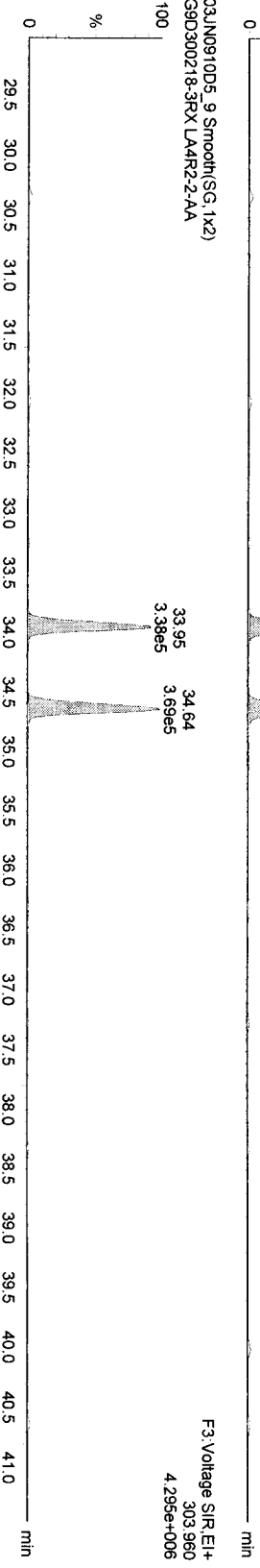
**TetraPCBs**



**13C-TetraPCBs**



03JUN0910D5\_9 Smooth(SG,1x2)  
G9D300218-3RX LA4R2-2-AA

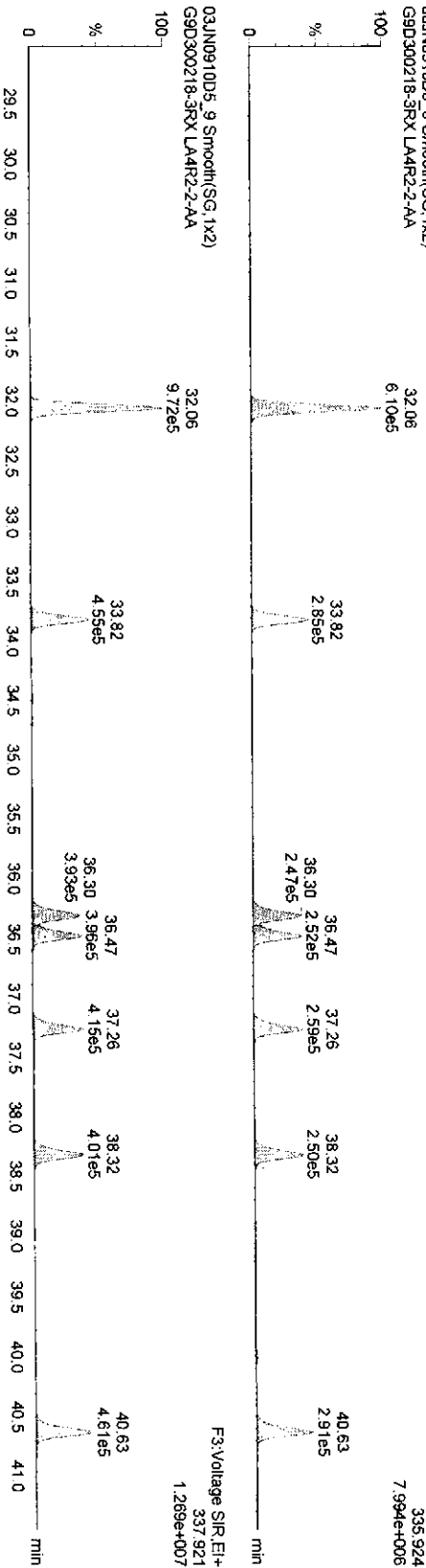
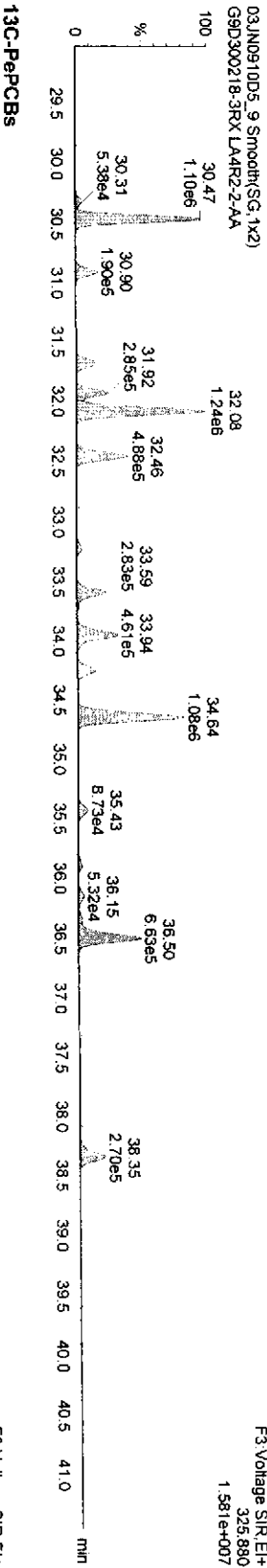
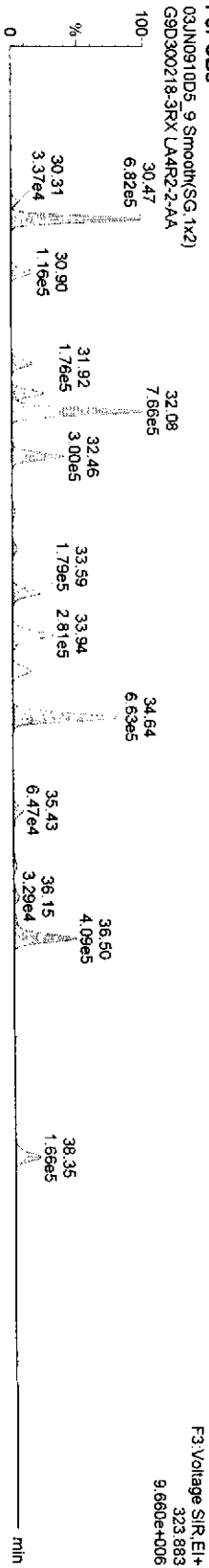


Dataset: C:\MassLynx\Default\proj\03JUN0910D51668M\SL.qid

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_9, Date: 03-Jun-2009, Time: 19:07:07, ID: LA4R2-2-AA, Description: G9D300218-3RX

**PePCBs**

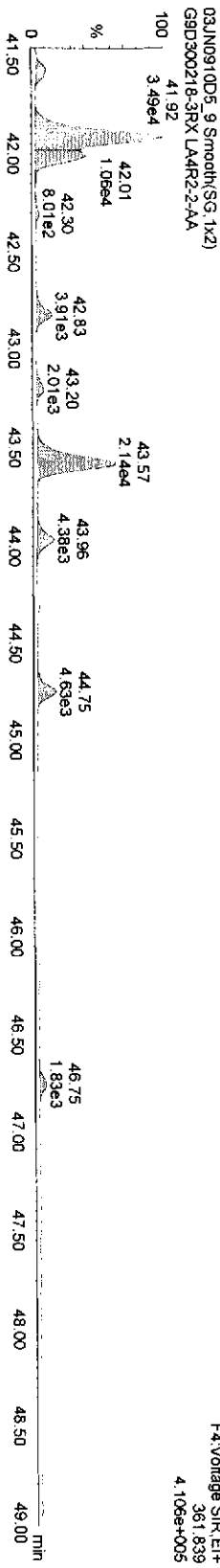
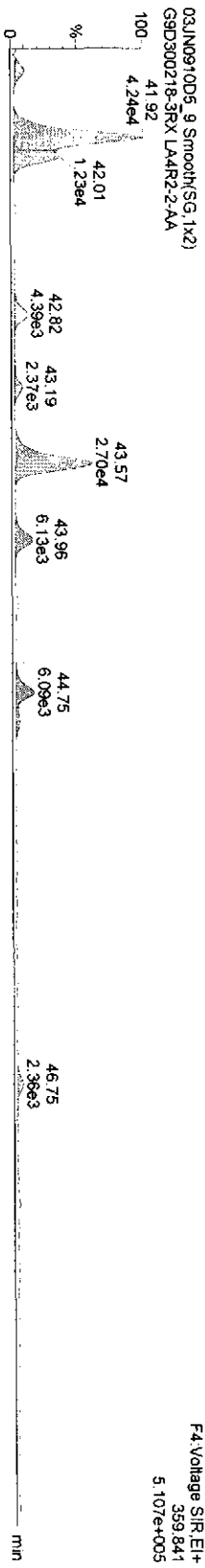


Dataset: C:\MassLynx\Default\proj\03JUN0910D51668MSL.qld

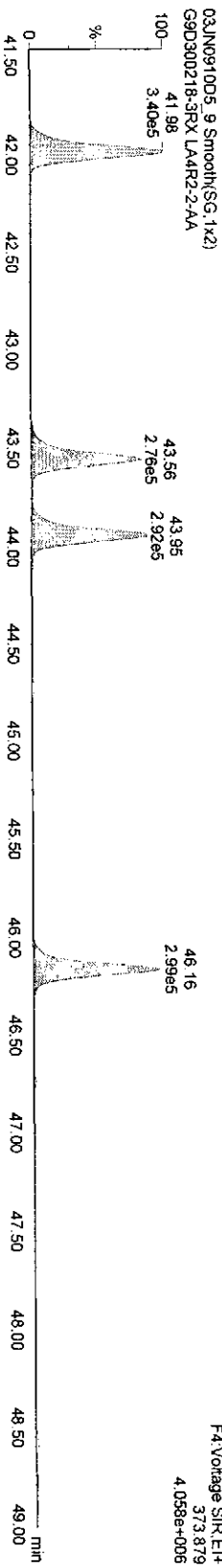
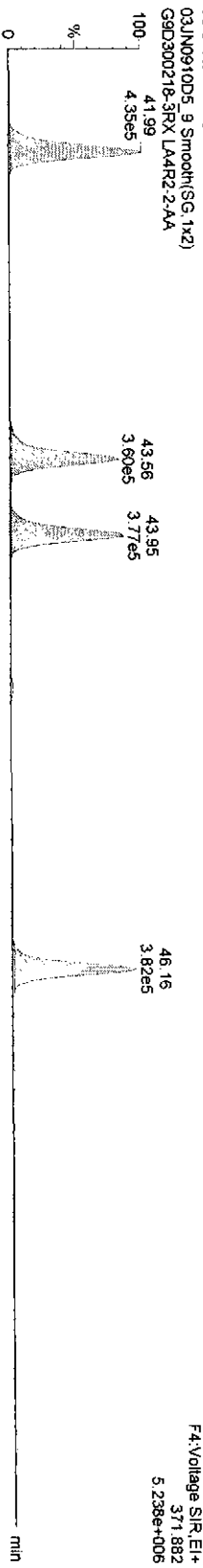
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_9, Date: 03-Jun-2009, Time: 19:07:07, ID: LA4R2-2-AA, Description: G9D300218-3RX

HxPCBs-



13C-HxPCBs



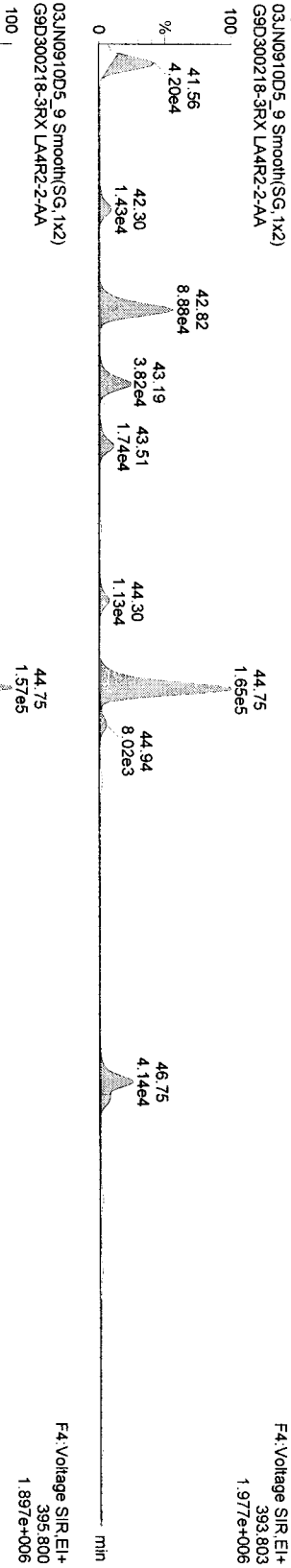


Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

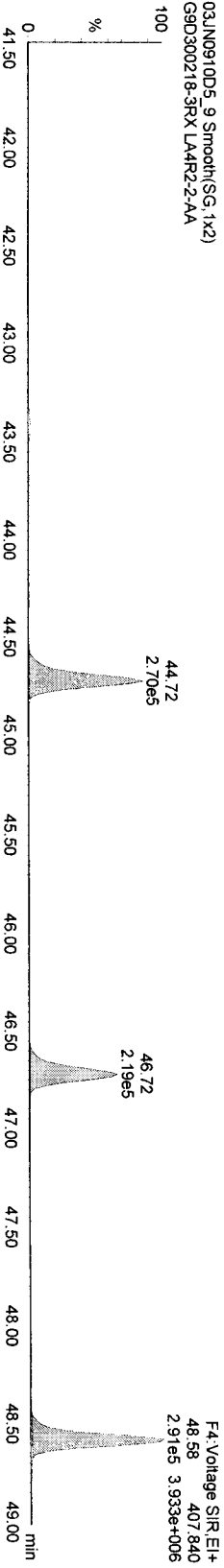
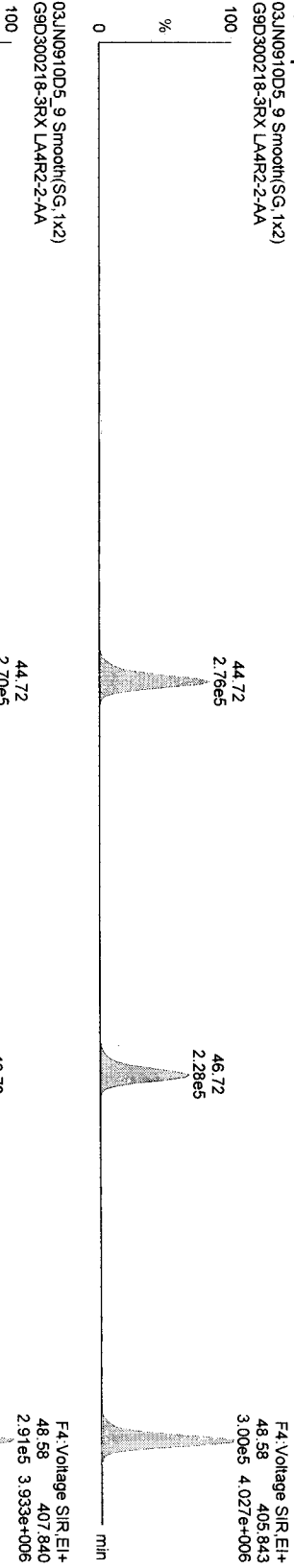
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_9, Date: 03-Jun-2009, Time: 19:07:07, ID: LA4R2-2-AA, Description: G9D300218-3RX

**HPPCBs**



**13C-HPPCBs**

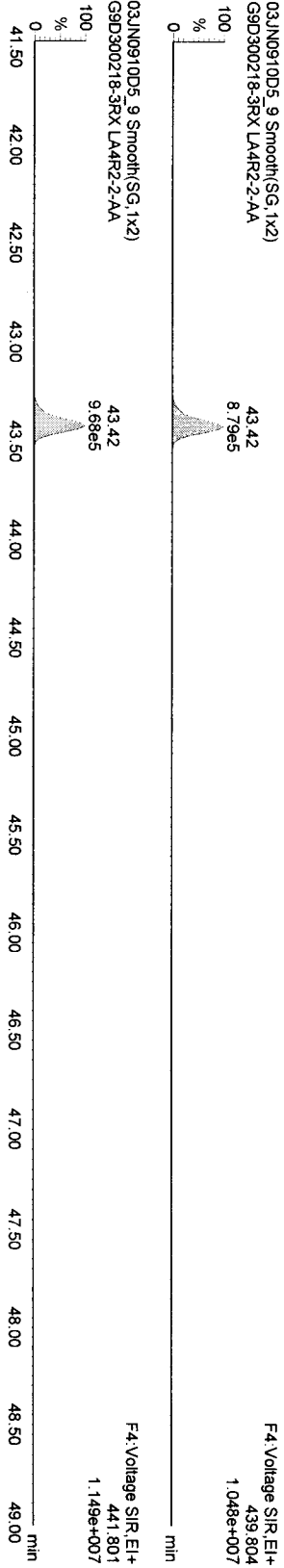


Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

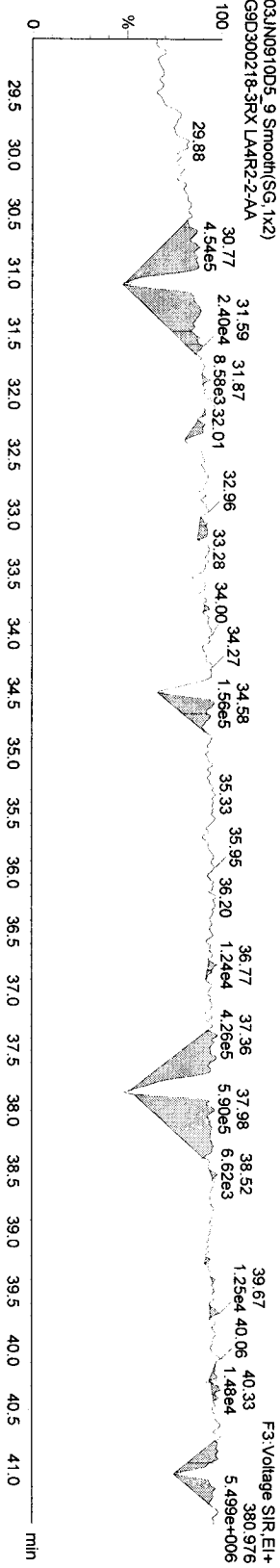
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_9, Date: 03-Jun-2009, Time: 19:07:07, ID: LA4R2-2-AA, Description: G9D300218-3RX

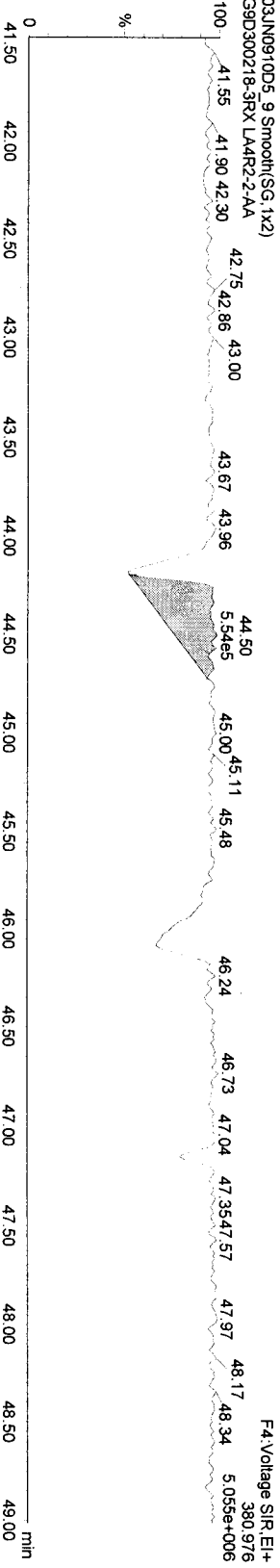
13C-OcCB-202



Function 3 PFK



Function 4 PFK



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

*R.L. = 1000*  
*Yp @ 5.09*

Name: 03JUN0910D5\_10, Date: 03-Jun-2009, Time: 20:04:00, ID: LAAR3-2-AA, Description: G9D300218-4RX, Task:

# Name	Trace	Sample Size	RT	Prod. RT	RRF	M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
1	13C-PeCB-101	335.924	0.250	32.11	32.13	18021...	1334650.97	296.2290	296.2290	3.7	0.12321	0.64	NO	
2														
3	13C-TeCB-81	301.963	0.250	33.99	34.05	1.036599	593996.28	3436.7845	3436.7845	85.9	4.52963	0.80	NO	
4	TeCB-81	289.922	0.250		34.00	1.44683					3.46776		NO	
5	13C-TeCB-77	301.963	0.250	34.67	34.76	1.08641	639130.50	3526.2932	3526.2932	88.2	4.31940	0.79	NO	
6	TeCB-77	289.922	0.250	34.69	34.69	1.29292	332210.86	1608.1000	1608.1000	N/C	3.69687	0.76	NO	
7														
8	13C-PeCB-123	335.924	0.250	36.34	36.39	0.96097	618795.11	3900.3274	3900.3274	97.5	3.49885	0.63	NO	
9	PeCB-123	323.883	0.250	36.39	36.35	1.51322	72046.88	307.7703	279.3616		2.87535	0.77	YES	
10	13C-PeCB-118	335.924	0.250	36.52	36.55	0.97393	626502.41	3855.8325	3855.8325	96.4	3.41639	0.63	NO	
11	PeCB-118/106	323.883	0.250	36.54	36.54	1.52848	1961575.19	8193.7368	8193.7368		2.75443	0.61	NO	
12	13C-PeCB-114	335.924	0.250	37.29	37.34	1.01913	676904.09	3981.2473	3981.2473	99.5	3.26485	0.64	NO	
13	PeCB-114	323.883	0.250		37.31	1.58175					2.46458		NO	
14	13C PeCB-105	335.924	0.250	38.35	38.42	0.96994	652743.52	4033.8724	4033.8724	100.8	3.43045	0.64	NO	
15	PeCB-105/127	323.883	0.250	38.38	38.37	1.41405	899088.63	3896.3347	3896.3347		2.82604	0.61	NO	
16	13C-PeCB-126	335.924	0.250	40.66	40.76	1.05005	784527.78	4478.3644	4478.3644	112.0	3.16871	0.62	NO	
17	PeCB-126	323.883	0.250		40.69	1.18292					2.85599		NO	
18														
19	13C-OcCB-202	439.804	0.250	43.45	43.51	2.2301...	1819496.56	326.3448	326.3448	4.1	0.06304	0.90	NO	
20														
21	13C-HxCB-167	371.882	0.250	42.02	42.04	0.92060	829005.66	3959.3517	3959.3517	99.0	2.18140	1.28	NO	
22	HxCB-167	359.841	0.250	42.04	42.06	1.34432	42052.93	150.9373	150.9373		2.46215	1.20	NO	
23	13C-HxCB-156	371.882	0.250	43.59	43.62	0.74676	668574.94	3936.4787	3936.4787	98.4	2.68922	1.30	NO	
24	HxCB-156	359.841	0.250	43.60	43.62	1.67701	103236.87	368.3059	368.3059		2.45115	1.24	NO	
25	13C-HxCB-157	371.882	0.250	43.96	44.01	0.78876	719513.94	4010.8142	4010.8142	100.3	2.54602	1.30	NO	
26	HxCB-157	359.841	0.250	43.99	43.98	1.65897	22181.79	74.3324	74.3324		2.27310	1.22	NO	
27	13C-HxCB-169	371.882	0.250	46.19	46.25	0.84240	498335.44	2601.0221	2601.0221	65.0	2.38392	1.31	NO	
28	HxCB-169	359.841	0.250	46.78	46.22	1.15392	7942.65	55.2494	46.5979		4.66985	1.66	YES	
29														
30	13C-HpCB-180	405.843	0.250	44.75	44.77	0.63199	577800.09	4019.8039	4019.8039	100.5	1.70332	1.06	NO	
31	HpCB-180	393.803	0.250	44.77	44.78	1.27271	584252.13	3177.9998	<del>3177.9998</del>		1.60058	1.05	NO	
32	13C-HpCB-170	405.843	0.250	46.75	46.78	0.51406	464560.97	3973.4728	3973.4728	99.3	2.09409	1.04	NO	
33	HpCB-170	393.803	0.250	46.76	46.76	1.58019	167321.63	911.7171	<del>911.7171</del>		1.59026	1.04	NO	
34	13C-HpCB-189	405.843	0.250	48.61	48.62	0.70062	605323.75	3798.8050	3798.8050	95.0	1.53648	1.03	NO	
35	HpCB-189	393.803	0.250		48.64	1.22015					1.44598		NO	

**Quantity Sample Summary Report      MassLynx 4.1**

Dataset:      C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

Last Altered:      Thursday, June 04, 2009 10:49:03 Pacific Daylight Time

Printed:      Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

**Name: 03JUN0910D5\_10, Date: 03-Jun-2009, Time: 20:04:00, ID: LA4R3-2-AA, Description: G9D300218-4RX, Task:**

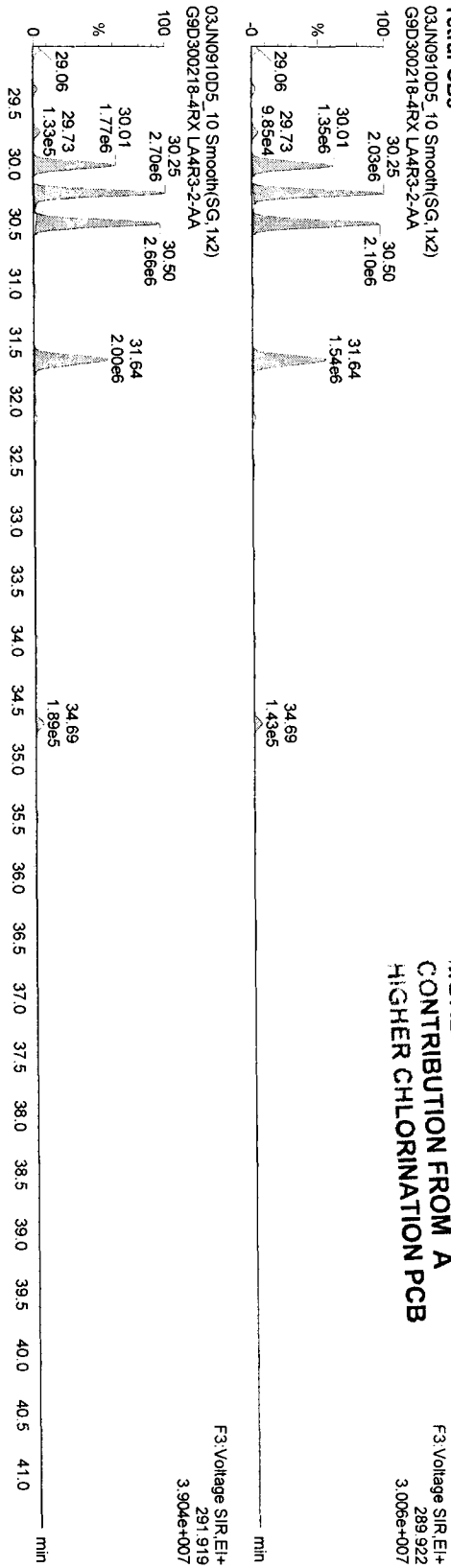
# Name	Trace	Sample Size	RT	Prd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
36														
37 13C-PeCB-111		335.924	0.250	33.87	33.90	1.28382	714130.09	3311.5494		82.8	2.96163	0.62		NO
38														
39 Function 3 PFK		380.976	1.000											
40 Function 4 PFK		380.976	1.000											

Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

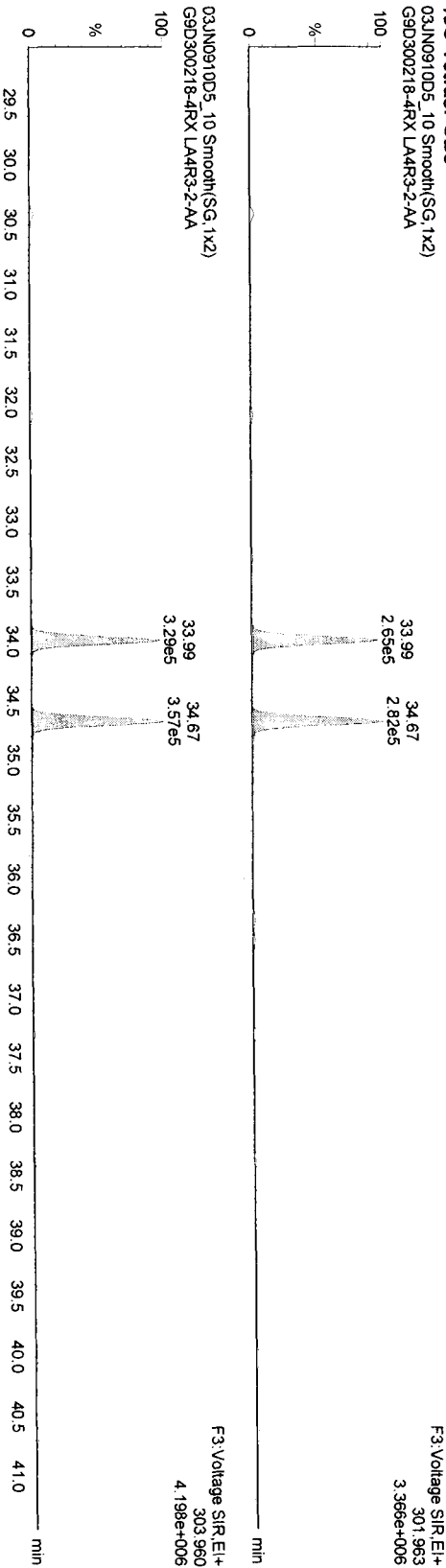
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_10, Date: 03-Jun-2009, Time: 20:04:00, ID: LA4R3-2-AA, Description: G9D300218-4RX

**TetraPCBs**



**13C-TetrapsPCBs**

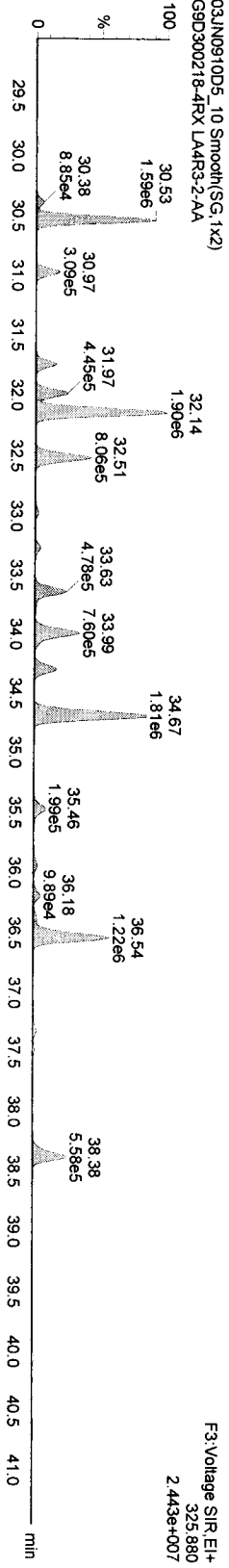
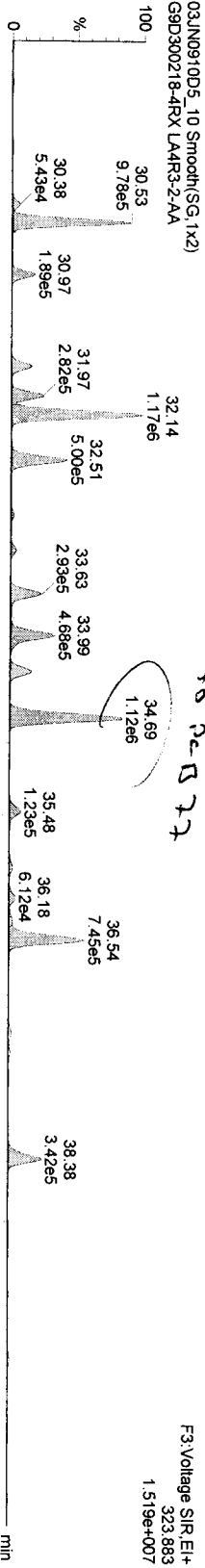


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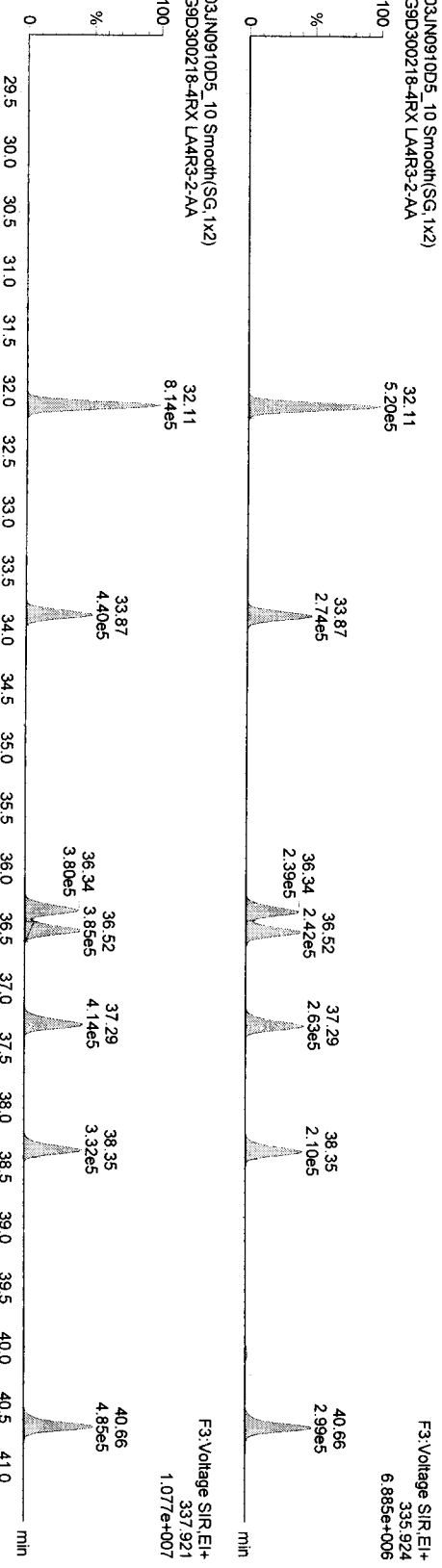
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_10, Date: 03-Jun-2009, Time: 20:04:00, ID: LA4R3-2-AA, Description: G9D300218-4RX

**PePCBs**



**13C-PePCBs**

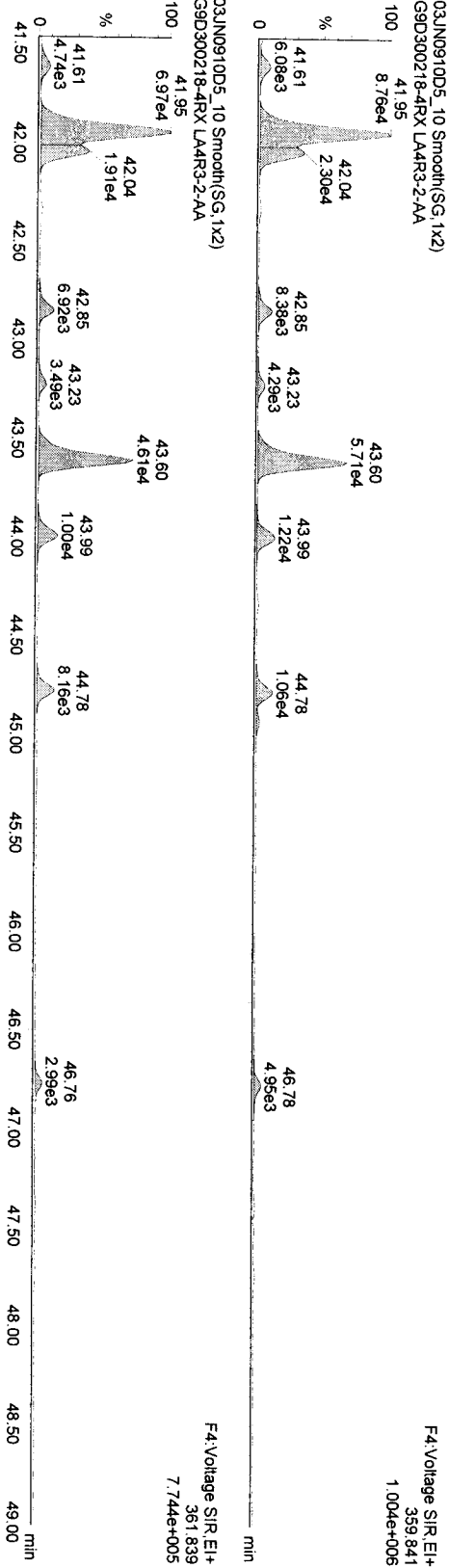


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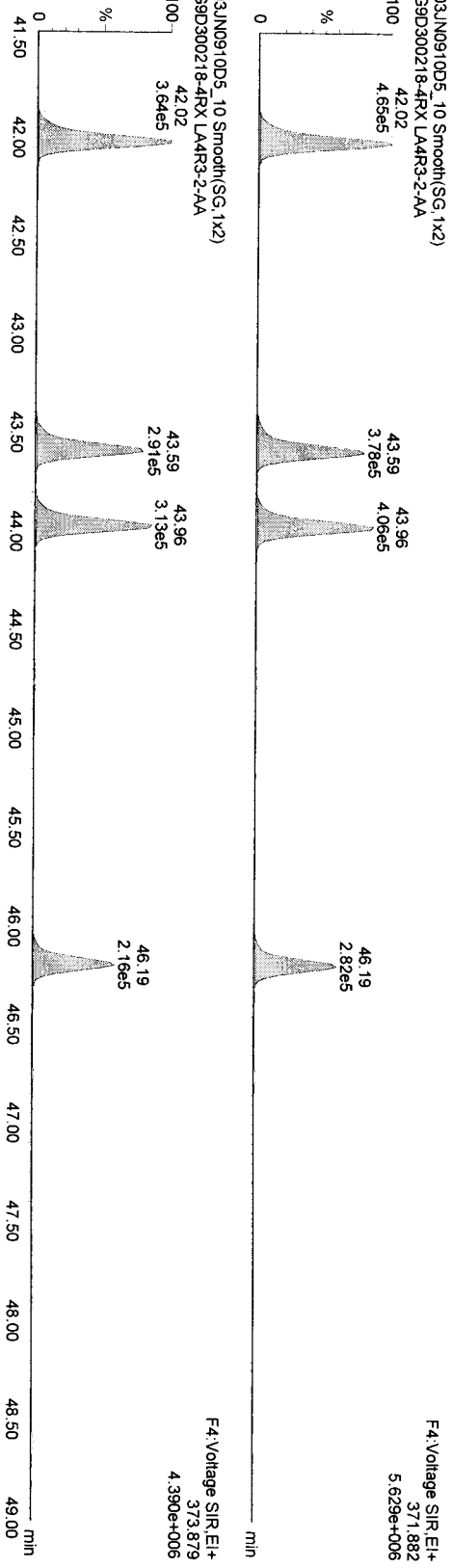
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_10, Date: 03-Jun-2009, Time: 20:04:00, ID: LA4R3-2-AA, Description: G9D300218-4RX

**HxPCBs-**



**13C-HxPCBs**

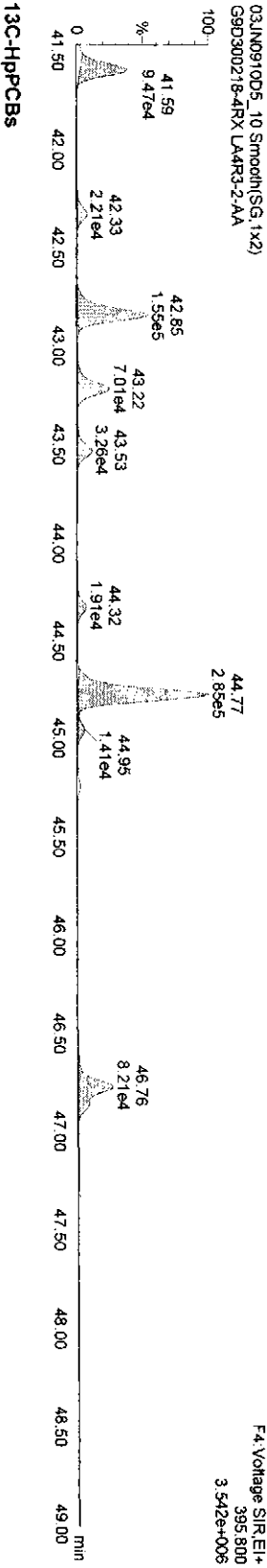
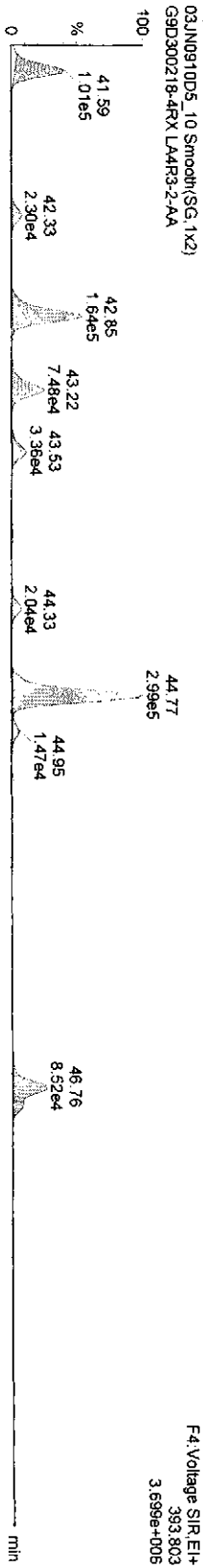


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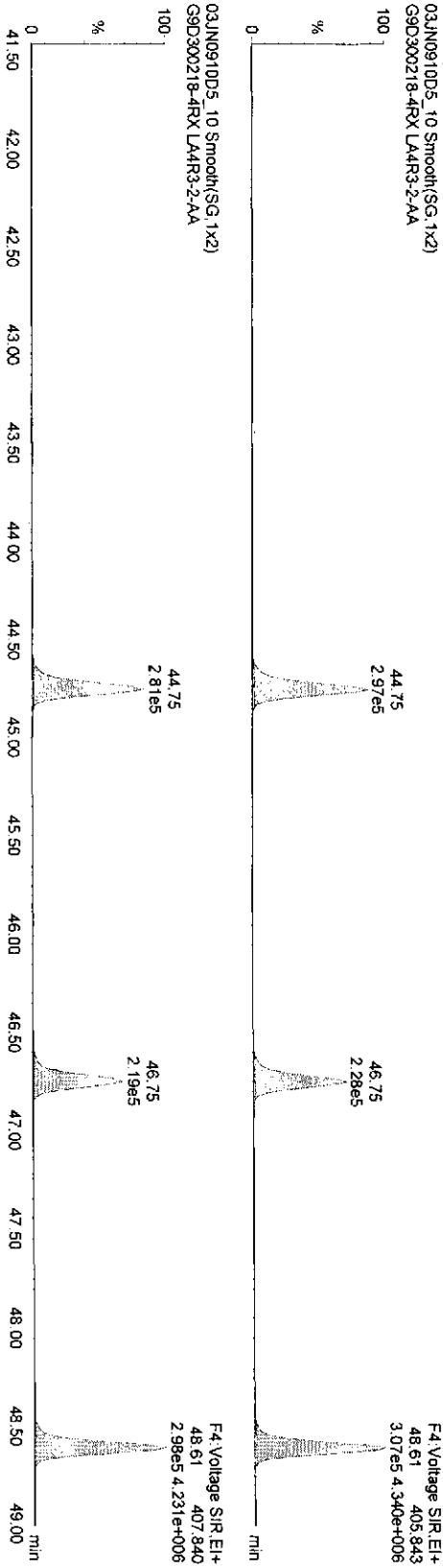
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_10, Date: 03-Jun-2009, Time: 20:04:00, ID: LA4R3-2-AA, Description: G9D300218-4RX

**HpPCBs**



**13C-HpPCBs**

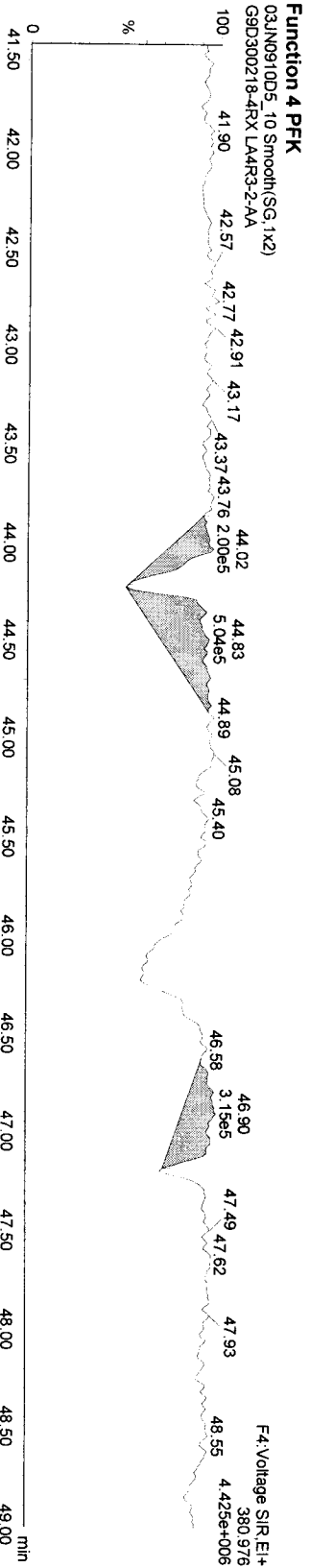
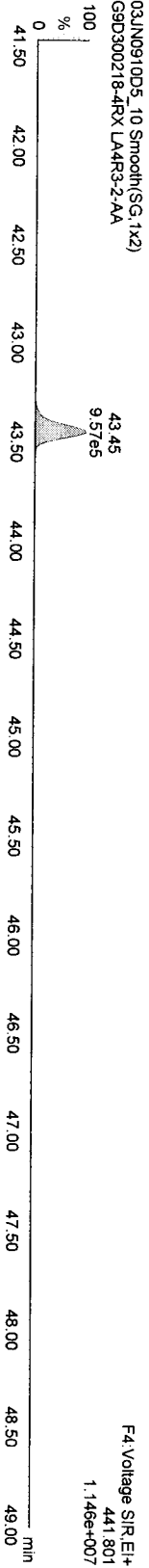
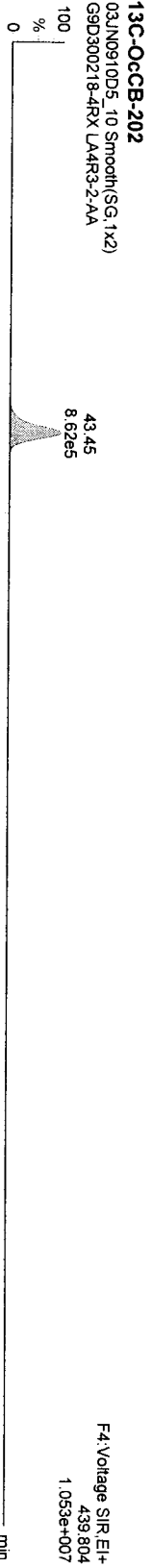




Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_10, Date: 03-Jun-2009, Time: 20:04:00, ID: LA4R3-2-AA, Description: G9D300218-4RX




Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

Name: 03JUN0910D5\_11, Date: 03-Jun-2009, Time: 21:00:53, ID: LA4R4-2-AA, Description: G9D300218-5RX, Task:

# Name	Trace	Sample Size	RT	Prod RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1 13C-PeCB-101	335.924	0.250	31.99	32.13	18021...	1789101.81	397.0955	397.0955	5.0	0.14746	0.64	NO	
2													
3 13C-TeCB-81	301.963	0.250	33.90	33.94	1.03599	591631.45	2553.5977	2553.5977	63.8	2.35800	0.79	NO	
4 TeCB-81	289.922	0.250		33.92	1.44583					1.52822		NO	
5 13C-TeCB-77	301.963	0.250	34.59	34.64	1.08641	630809.03	2596.3273	2596.3273	64.9	2.24856	0.80	NO	
6 TeCB-77	289.922	0.250	34.63	34.61	1.29292	1369.89	6.7186	6.1179		1.64969	0.94	YES	
7													
8 13C-PeCB-123	335.924	0.250	36.27	36.27	0.96097	574879.80	2703.1110	2703.1110	67.6	3.12390	0.62	NO	
9 PeCB-123	323.883	0.250	36.30	36.29	1.51322	590.96	2.7173	1.6806		1.40103	0.31	YES	
10 13C-PeCB-118	335.924	0.250	36.44	36.44	0.97393	598797.97	2749.2130	2749.2130	68.7	3.05027	0.64	NO	
11 PeCB-118/106	323.883	0.250	36.45	36.45	1.52848	6587.52	28.7900	28.7900		1.36713	0.59	NO	
12 13C-PeCB-114	335.924	0.250	37.23	37.23	1.01913	622535.42	2731.4216	2731.4216	68.3	2.91498	0.63	NO	
13 PeCB-114	323.883	0.250	38.06	37.24	1.58175	500.31	2.0323	2.0323		1.29717	0.63	NO	
14 13C-PeCB-105	335.924	0.250	38.28	38.30	0.96994	610935.95	2816.4881	2816.4881	70.4	3.06283	0.63	NO	
15 PeCB-105/127	323.883	0.250	38.32	38.30	1.41405	2712.99	12.5617	12.5617		1.48250	0.60	NO	
16 13C-PeCB-126	335.924	0.250	40.60	40.65	1.05005	710030.44	3023.5748	3023.5748	75.6	2.82914	0.63	NO	
17 PeCB-126	323.883	0.250		40.63	1.18292					1.51920		NO	
18													
19 13C-OcCB-202	439.804	0.250	43.40	43.51	2.2301...	1853839.69	332.5046	332.5046	4.2	0.07179	0.90	NO	
20													
21 13C-HXCB-167	371.882	0.250	41.96	41.99	0.92060	737231.06	3455.8054	3455.8054	86.4	2.20547	1.29	NO	
22 HXCB-167	359.841	0.250	41.98	41.99	1.34432	463.93	1.8725	1.2940		1.16734	0.62	YES	
23 13C-HXCB-156	371.882	0.250	43.54	43.58	0.74676	617094.25	3566.0578	3566.0578	89.2	2.71889	1.30	NO	
24 HXCB-156	359.841	0.250	43.56	43.57	1.67701	644.85	2.4925	1.7044		1.15843	2.28	YES	
25 13C-HXCB-157	371.882	0.250	43.92	43.96	0.78876	646935.16	3550.3707	3550.3707	88.8	2.57411	1.27	NO	
26 HXCB-157	359.841	0.250	44.74	43.93	1.65897	203.81	0.7573	0.4909		1.08796	0.56	YES	
27 13C-HXCB-169	371.882	0.250	46.15	46.21	0.84240	556604.72	2851.3348	2851.3348	71.3	2.41022	1.29	NO	
28 HXCB-169	359.841	0.250		46.18	1.15392					1.76343		NO	
29													
30 13C-HpCB-180	405.843	0.250	44.71	44.72	0.63199	528953.36	3611.8000	3611.8000	90.3	2.25130	1.04	NO	
31 HpCB-180	393.803	0.250	44.72	44.74	1.27271	6877.16	40.8623	40.8623		1.54454	1.15	NO	
32 13C-HpCB-170	405.843	0.250	46.70	46.73	0.51406	473233.56	3972.6667	3972.6667	99.3	2.76780	1.06	NO	
33 HpCB-170	393.803	0.250	46.73	46.72	1.58019	2645.34	14.1500	12.6665		1.36992	0.83	YES	
34 13C-HpCB-189	405.843	0.250	48.58	48.58	0.70062	645108.88	3973.4830	3973.4830	99.3	2.03079	1.03	NO	
35 HpCB-189	393.803	0.250		48.61	1.22015					1.16927		NO	

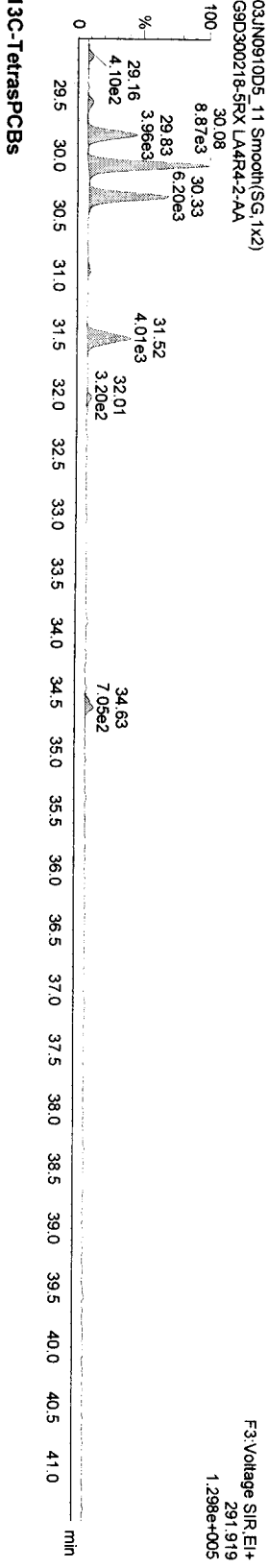
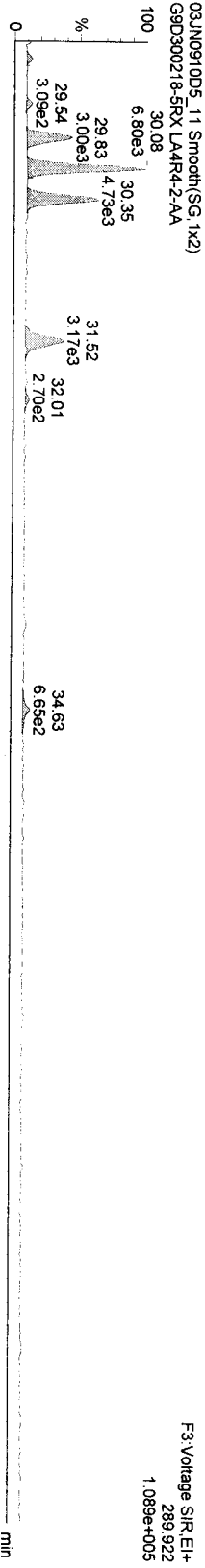

  
 R.L. = 1.000
   
 Vg 6.5.09

Dataset: C:\MassLynx\Default\pro\03JUN0910D5\1668MSL.qld

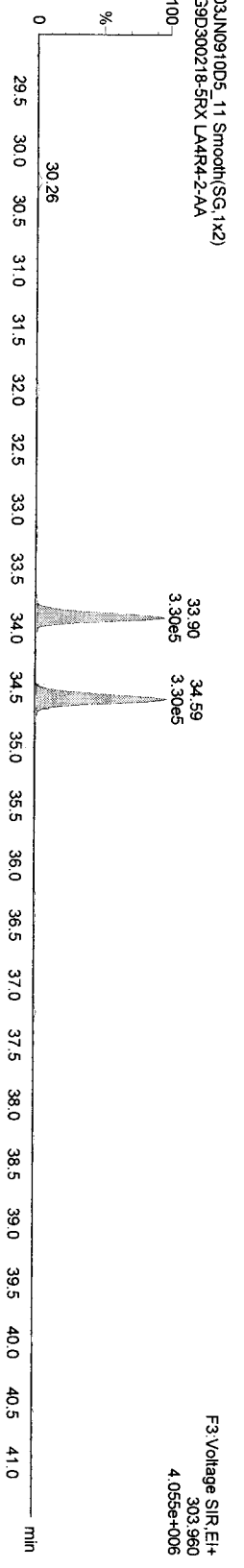
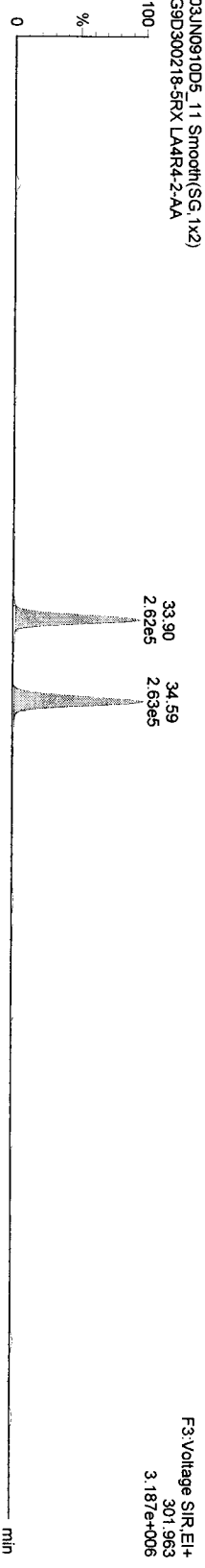
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_11, Date: 03-Jun-2009, Time: 21:00:53, ID: LA4R4-2-AA, Description: G9D300218-5RX

**TetraPCBs**



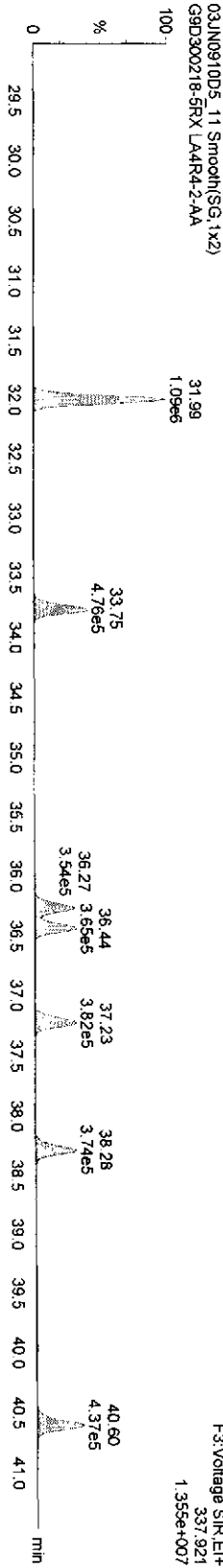
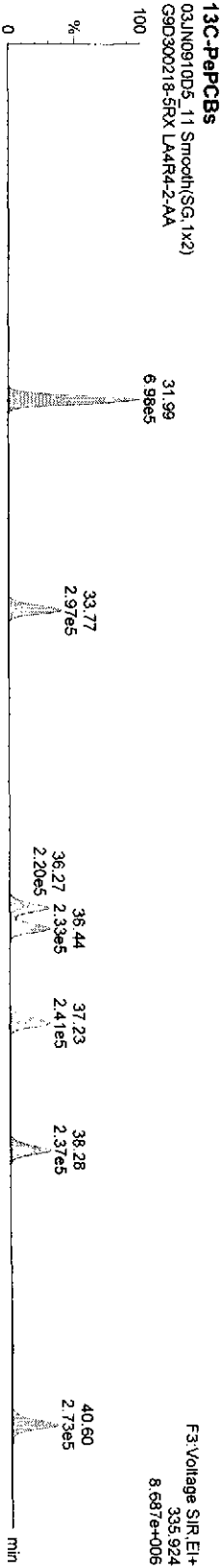
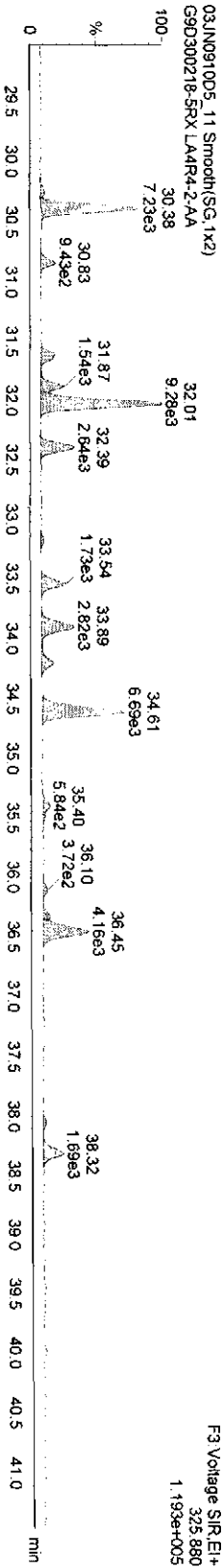
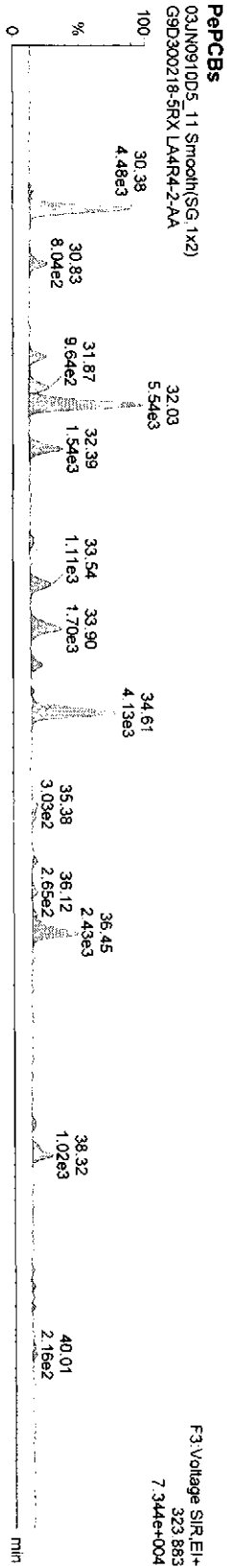
**13C-TetrasPCBs**



Dataset: C:\MassLynx\Default\proj\03JUN0910D51668MSL.qid

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_11, Date: 03-Jun-2009, Time: 21:00:53, ID: LA4R4-2-AA, Description: G9D300218-5FRX

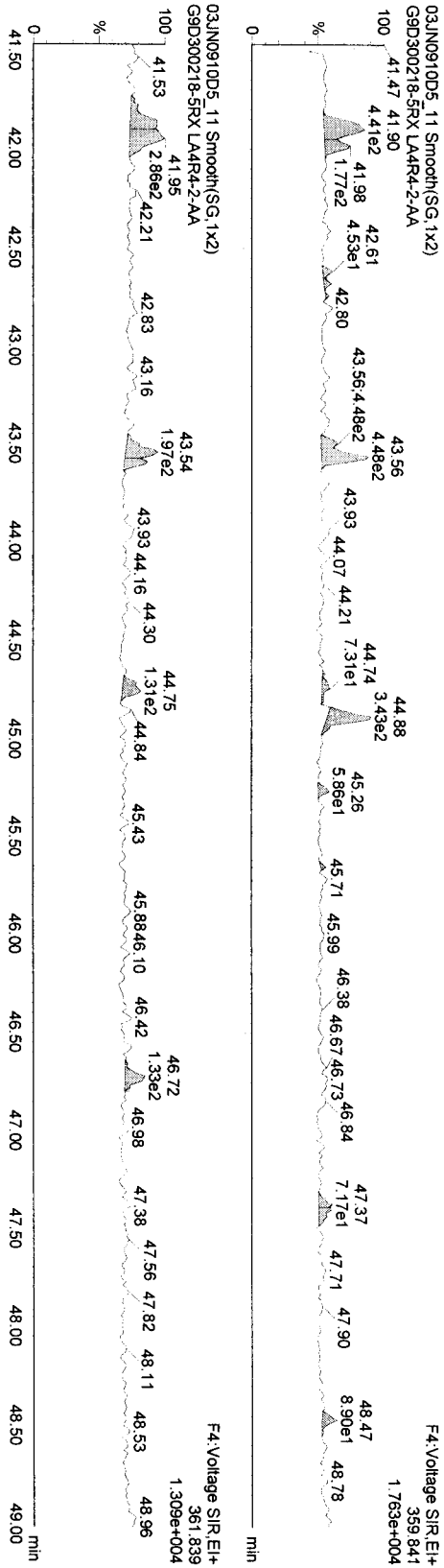


Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

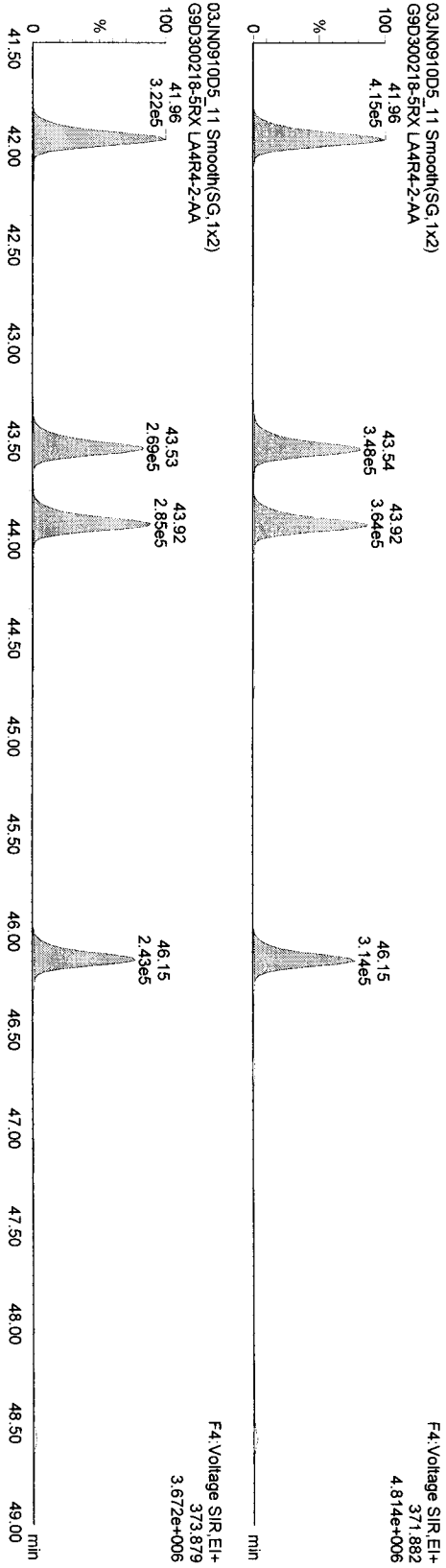
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_11, Date: 03-Jun-2009, Time: 21:00:53, ID: LA4R4-2-AA, Description: G9D300218-5RX

HxPCBS-



13C-HxPCBS

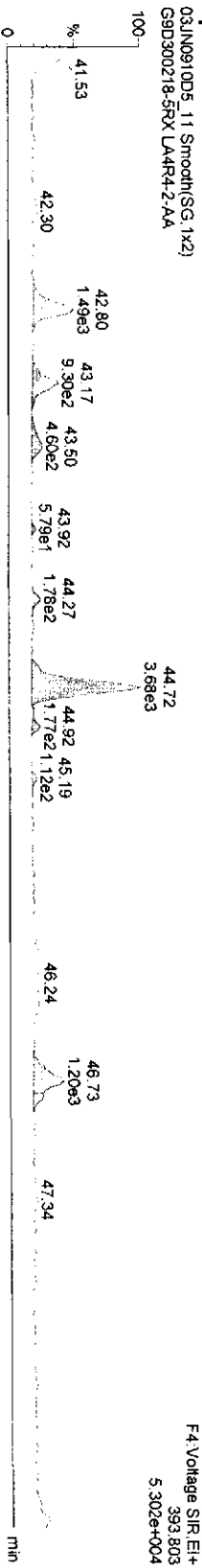


Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qid

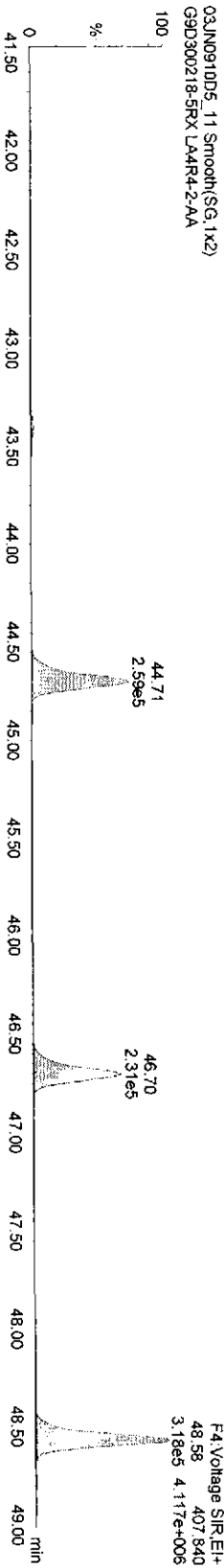
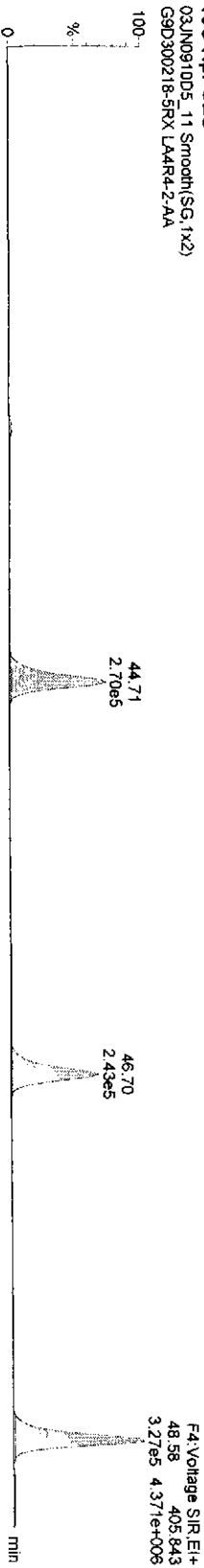
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_11, Date: 03-Jun-2009, Time: 21:00:53, ID: LA4R4-2-AA, Description: G9D300218-5RX

**HPPCBs**



**13C-HPPCBs**



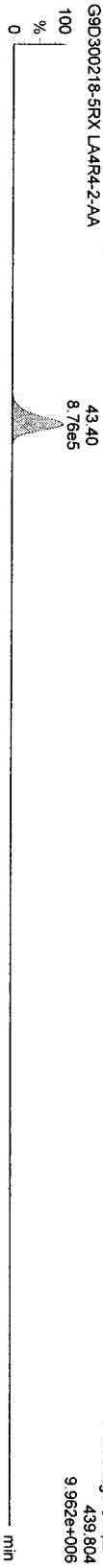
Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

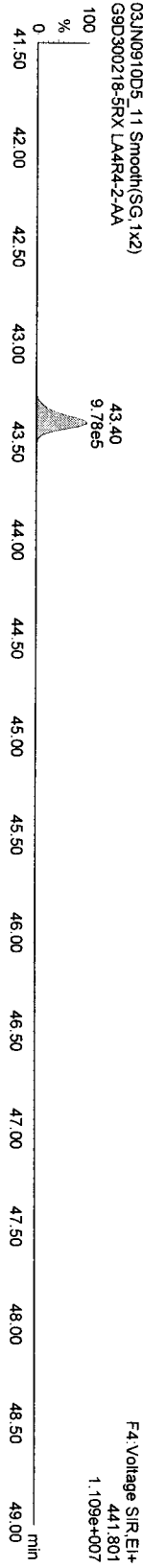
Name: 03JUN0910D5\_11, Date: 03-Jun-2009, Time: 21:00:53, ID: LA4R4-2-AA, Description: G9D300218-5RX

**13C-OcCB-202**

03JUN0910D5\_11 Smooth(SG,1x2)  
 G9D300218-5RX LA4R4-2-AA



03JUN0910D5\_11 Smooth(SG,1x2)  
 G9D300218-5RX LA4R4-2-AA



**Function 3 PFK**

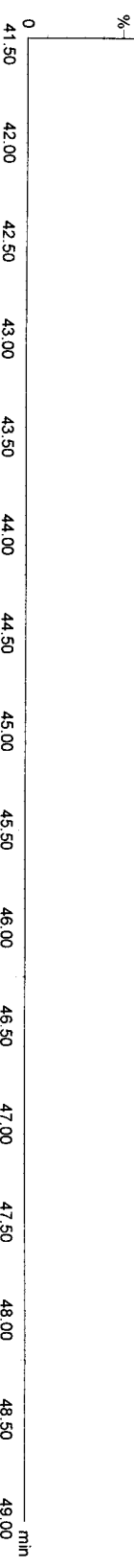
03JUN0910D5\_11 Smooth(SG,1x2)  
 G9D300218-5RX LA4R4-2-AA

Retention Time (min)	Approximate Intensity (%)
29.07	29.83
30.38	30.63
31.27	31.27
31.79	31.99
32.75	33.08
33.08	8.79e3
33.80	33.80
34.44	34.44
34.68	34.68
35.43	35.43
35.70	35.70
36.72	36.72
37.64	37.64
37.81	37.81
38.85	38.85
39.42	39.42
39.79	39.79
40.43	40.43
40.83	40.83
43.40	100
43.40	9.79e5

**Function 4 PFK**

03JUN0910D5\_11 Smooth(SG,1x2)  
 G9D300218-5RX LA4R4-2-AA

Retention Time (min)	Approximate Intensity (%)
41.67	41.75
42.07	42.07
42.52	42.77
43.14	43.36
43.54	43.62
44.12	44.33
44.74	45.01
45.76	45.76
45.76	4.65e5
46.27	46.27
46.80	46.80
47.01	47.01
47.45	47.45
47.54	47.54
47.93	47.93
48.47	48.47
48.70	48.70
5.10e+006	5.10e+006



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668 (Sna+ L.S)

Associated ICAL ICA052820091050166MSL

Column ID DB-5

Instrument ID 1025

STD ID ST0603

STD Solution 09DX1016

Analyzed by KAS

Date Analyzed ~~9/1~~ 6/3/09

Std. Pkg. By KAS

Date Std. Pkg. Assembled <sup>KAS 6/4/09</sup> 6/4/09

Std. Pkg. Reviewed By AM

Date Std. Pkg. Reviewed 6-04-09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	N/A	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* **Method 1668A (PCBs):** ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

**Method 1614 (DBDs/DBFs):** ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* **Method 1668A (PCBs):** resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

**Method 1614 (DBDs/DBFs):** a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).



Dataset: C:\MassLynx\Default.pro\03JN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 11:40:02 Pacific Daylight Time

Printed: Thursday, June 04, 2009 15:53:06 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1668MSL10DB5.mdb 22 May 2009 10:05:00

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\ICA0528200910D51668MSL.cdb 29 May 2009 14:02:36

Name: 03JN0910D5\_1, Date: 03-Jun-2009, Time: 11:33:05, ID: ST0603, Description: CS3 09DXN016

#	Name	Response	RT	RRF M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D...
1	13C-PeCB-101	2091049	31.98	18021....	20910....	116.03	16.0	116.0	0.637	NO	
2											
3	13C-TeCB-81	2100436	33.87	1.03599	1.00449	96.96	-3.0	97.0	0.801	NO	
4	TeCB-81	1526233	33.89	1.44583	1.45325	50.26	0.5	100.5	0.753	NO	
5	13C-TeCB-77	2195844	34.56	1.08641	1.05012	96.66	-3.3	96.7	0.789	NO	
6	TeCB-77	1431947	34.59	1.29292	1.30423	50.44	0.9	100.9	0.762	NO	
7											
8	13C-PeCB-123	1990498	36.24	0.95097	0.95191	100.10	0.1	100.1	0.629	NO	
9	PeCB-123	1491809	36.25	1.51322	1.49893	49.53	-0.9	99.1	0.616	NO	
10	13C-PeCB-118	2002938	36.40	0.97393	0.95786	98.35	-1.6	98.4	0.631	NO	
11	PeCB-118/106	1531621	36.42	1.52848	1.52937	50.03	0.1	100.1	0.614	NO	
12	13C-PeCB-114	2085008	37.19	1.01913	0.99711	97.84	-2.2	97.8	0.636	NO	
13	PeCB-114	1633586	37.21	1.58175	1.56698	49.53	-0.9	99.1	0.610	NO	
14	13C PeCB-105	1962040	38.26	0.96994	0.93830	96.74	-3.3	96.7	0.635	NO	
15	PeCB-105/127	1380048	38.28	1.41405	1.40675	49.74	-0.5	99.5	0.618	NO	
16	13C-PeCB-126	2090648	40.56	1.05005	0.99981	95.22	-4.8	95.2	0.631	NO	
17	PeCB-126	1240753	40.58	1.18292	1.18695	50.17	0.3	100.3	0.623	NO	
18											
19	13C-OcCB-202	2345715	43.37	22301....	23457....	105.18	5.2	105.2	0.907	NO	
20											
21	13C-HxCB-167	2122915	41.93	0.92060	0.90502	98.31	-1.7	98.3	1.277	NO	
22	HxCB-167	1406955	41.95	1.34432	1.32549	49.30	-1.4	98.6	1.235	NO	
23	13C-HxCB-156	1710599	43.50	0.74676	0.72924	97.65	-2.3	97.7	1.297	NO	
24	HxCB-156	1396942	43.53	1.67701	1.63328	48.70	-2.6	97.4	1.235	NO	
25	13C-HxCB-157	1800221	43.88	0.78876	0.76745	97.30	-2.7	97.3	1.288	NO	
26	HxCB-157	1456763	43.92	1.65897	1.61843	48.78	-2.4	97.6	1.223	NO	
27	13C-HxCB-169	1890460	46.11	0.84240	0.80592	95.67	-4.3	95.7	1.282	NO	
28	HxCB-169	1082641	46.13	1.15392	1.14537	49.63	-0.7	99.3	1.235	NO	
29											
30	13C-HpCB-180	1479839	44.67	0.63199	0.63087	99.82	-0.2	99.8	1.033	NO	
31	HpCB-180	939156	44.69	1.27271	1.26927	49.86	-0.3	99.7	1.037	NO	
32	13C-HpCB-170	1195397	46.67	0.51406	0.50961	99.13	-0.9	99.1	1.050	NO	
33	HpCB-170	947550	46.70	1.58019	1.58533	50.16	0.3	100.3	1.039	NO	
34	13C-HpCB-189	1621209	48.55	0.70062	0.69114	98.65	-1.4	98.6	1.038	NO	
35	HpCB-189	1006425	48.56	1.22015	1.24157	50.88	1.8	101.8	1.034	NO	
36											
37	13C-PeCB-111	2720422	33.74	1.28382	1.34260	104.58	4.6	104.6	0.629	NO	
38											
39	Function 3 PFK										
40	Function 4 PFK										

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1668MSL10DB5.mdb 22 May 2009 10:05:00  
 Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\CA0528200910D51668MSL.cdb 29 May 2009 14:02:36

Name: 03JUN0910D5\_1, Date: 03-Jun-2009, Time: 11:33:05, ID: ST0603, Description: CS3 09DXN016, Task:

# Name	Trace	Sample Size	RT	Ptd RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	1.000	31.98	32.13	18021....	2091048.94	116.0284	116.0284	116.0	0.04450	0.64	NO	
2													
3 13C-TeCB-81	301.963	1.000	33.87	33.92	1.03599	2100436.31	96.9598	96.9598	97.0	0.03845	0.80	NO	
4 TeCB-81	289.922	1.000	33.89	33.89	1.44583	1526232.50	50.2566	50.2566	100.5	0.01611	0.75	NO	
5 13C-TeCB-77	301.963	1.000	34.56	34.63	1.08641	2195843.81	96.6593	96.6593	96.7	0.03666	0.79	NO	
6 TeCB-77	289.922	1.000	34.59	34.58	1.29292	1431947.19	50.4376	50.4376	100.9	0.01808	0.76	NO	
7													
8 13C-PeCB-123	335.924	1.000	36.24	36.25	0.95097	1990497.69	100.0989	100.0989	100.1	0.04033	0.63	NO	
9 PeCB-123	323.883	1.000	36.25	36.25	1.51322	1491809.19	49.5279	49.5279	99.1	0.01588	0.62	NO	
10 13C-PeCB-118	335.924	1.000	36.40	36.42	0.97393	2002938.13	98.3505	98.3505	98.4	0.03938	0.63	NO	
11 PeCB-118/106	323.883	1.000	36.42	36.42	1.52848	1531621.00	50.0292	50.0292	100.1	0.01509	0.61	NO	
12 13C-PeCB-114	335.924	1.000	37.19	37.21	1.01913	2086008.06	97.8393	97.8393	97.8	0.03764	0.64	NO	
13 PeCB-114	323.883	1.000	37.21	37.21	1.58175	1633586.19	49.5332	49.5332	99.1	0.01427	0.61	NO	
14 13C PeCB-105	335.924	1.000	38.27	38.28	0.96994	1962040.13	96.7389	96.7389	96.7	0.03954	0.63	NO	
15 PeCB-105/127	323.883	1.000	38.28	38.28	1.41405	1380047.75	49.7419	49.7419	99.5	0.01727	0.62	NO	
16 13C-PeCB-126	335.924	1.000	40.56	40.63	1.05005	2090648.31	95.2151	95.2151	95.2	0.03653	0.63	NO	
17 PeCB-126	323.883	1.000	40.58	40.59	1.18292	1240752.63	50.1704	50.1704	100.3	0.01894	0.62	NO	
18													
19 13C-OcCB-202	439.804	1.000	43.37	43.51	2.2301....	2345714.50	105.1818	105.1818	105.2	0.01779	0.91	NO	
20													
21 13C-HXCB-167	371.882	1.000	41.93	41.96	0.92060	2122915.13	98.3072	98.3072	98.3	0.03668	1.28	NO	
22 HXCB-167	359.841	1.000	41.95	41.96	1.34432	1406954.50	49.2998	49.2998	98.6	0.02118	1.23	NO	
23 13C-HXCB-156	371.882	1.000	43.50	43.54	0.74676	1710599.38	97.6545	97.6545	97.7	0.04522	1.30	NO	
24 HXCB-156	359.841	1.000	43.53	43.53	1.67701	1396941.75	48.6961	48.6961	97.4	0.02136	1.24	NO	
25 13C-HXCB-157	371.882	1.000	43.88	43.93	0.78876	1800220.63	97.2983	97.2983	97.3	0.04281	1.29	NO	
26 HXCB-157	359.841	1.000	43.91	43.90	1.65897	1456763.31	48.7780	48.7780	97.6	0.02018	1.22	NO	
27 13C-HXCB-169	371.882	1.000	46.11	46.18	0.84240	1890460.06	95.6700	95.6700	95.7	0.04008	1.28	NO	
28 HXCB-169	359.841	1.000	46.13	46.15	1.15392	1082641.22	49.6297	49.6297	99.3	0.02796	1.24	NO	
29													
30 13C-HpCB-180	405.843	1.000	44.67	44.69	0.63199	1479838.75	99.8223	99.8223	99.8	0.02317	1.03	NO	
31 HpCB-180	393.803	1.000	44.69	44.70	1.27271	939155.69	49.8648	49.8648	99.7	0.01936	1.04	NO	

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:55:22 Pacific Daylight Time

Name: 03JUN0910D5\_1, Date: 03-Jun-2009, Time: 11:33:05, ID: ST0603, Description: CS3 09DXN016, Task:

# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
32 13C-HpCB-170	405.843	1.000	46.67	46.70	0.51406	1195397.13	99.1347	99.1347	99.1	0.02849	1.05	NO	
33 HpCB-170	393.803	1.000	46.70	46.69	1.58019	947549.69	50.1627	50.1627	100.3	0.01898	1.04	NO	
34 13C-HpCB-189	405.843	1.000	48.55	48.55	0.70062	1621208.81	98.6471	98.6471	98.6	0.02090	1.04	NO	
35 HpCB-189	393.803	1.000	48.56	48.58	1.22015	1006425.28	50.8779	50.8779	101.8	0.01633	1.03	NO	
36													
37 13C-PeCB-111	335.924	1.000	33.74	33.90	1.28382	2720421.63	104.5787		104.6	0.03273	0.63	NO	
38													
39 Function 3 PFK	380.976	1.000								0.00			
40 Function 4 PFK	380.976	1.000								0.00			

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\03JN0910D5.SPL  
 Last Modified: Thursday, June 04, 2009 11:33:34 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 12:26:37 Pacific Daylight Time

Page 1 of 3

Page Position (1, 1)

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	
1	03JN0910D5_1	CS3 09DXN016	ST0603	---	---	1.000000	---
2	03JN0910D5_2	Solvent Blank C-12	SB0603	---	---	1.000000	---
3	03JN0910D5_3	PCB-S-060109-MDL-MB	PCBSMDL-MB	1668/SOLID	58	10.000000	g
4	03JN0910D5_4	PCB-S-060109-MDL-1LCS	PCBSMDL-1LCS	1668/SOLID	---	10.000000	g
5	03JN0910D5_5	G9D300218-1MBRX	LA9D5-1-AA	1668/AIR	---	0.250000	SAMPLE
6	03JN0910D5_6	G9D300218-1LCSRX	LA9D5-1-AC	1668/AIR	---	0.250000	SAMPLE
7	03JN0910D5_7	G9D300218-1RX	LA4RR-2-AA	1668/AIR	54	0.250000	SAMPLE
8	03JN0910D5_8	G9D300218-2RX	LA4R1-2-AA	1668/AIR	---	0.250000	SAMPLE
9	03JN0910D5_9	G9D300218-3RX	LA4R2-2-AA	1668/AIR	---	0.250000	SAMPLE
10	03JN0910D5_10	G9D300218-4RX	LA4R3-2-AA	1668/AIR	---	0.250000	SAMPLE
11	03JN0910D5_11	G9D300218-5RX	LA4R4-2-AA	1668/AIR	---	0.250000	SAMPLE
12	03JN0910D5_12	G9E040131-LCS	---	---	---	0.166670	SAMPLE
13	03JN0910D5_13	Solvent Blank C-12	SB0603A	---	---	1.000000	---
14	03JN0910D5_14	CS1 09DXN014	ST0603A	---	---	1.000000	---
15	03JN0910D5_15	CS3 09DXN016	ST0603B	---	---	1.000000	---
16	03JN0910D5_16	Solvent Blank C-12	SB0603B	---	---	1.000000	---
17	03JN0910D5_17	G9E040131-MB	---	1668/AIR	58	0.166670	SAMPLE
18	03JN0910D5_18	G9E040131-1RX	LA92L-2-AD	1668/AIR	---	0.166670	SAMPLE
19	03JN0910D5_19	G9E050301-MB	LCVVQ-1-AA	1668/AIR	46	0.500000	SAMPLE
20	03JN0910D5_20	G9E050301-LCS	LCVVQ-1-AC	1668/AIR	---	0.500000	SAMPLE
21	03JN0910D5_21	G9E050301-DCS	LCVVQ-1-AD	1668/AIR	---	0.500000	SAMPLE
22	03JN0910D5_22	G9E050301-1	LCDW0-1-AC	1668/AIR	---	0.500000	SAMPLE
23	03JN0910D5_23	G9E050301-2	LCDXD-1-AC	1668/AIR	---	0.500000	SAMPLE
24	03JN0910D5_24	Solvent Blank C-12	SB0603C	---	---	1.000000	---
25	03JN0910D5_25	CS1 09DXN014	ST0603C	---	---	1.000000	---
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27	03JN0910D5_27	qc2	---	---	---	0.000000	---
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40	03JN0910D5_40	---	---	---	---	0.000000	---
41	03JN0910D5_41	---	---	---	---	0.000000	---
42	03JN0910D5_42	---	---	---	---	0.000000	---
43	03JN0910D5_43	---	---	---	---	0.000000	---
44	03JN0910D5_44	Solvent Blank C-12	SB0632A	---	---	1.000000	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\03JN0910D5.SPL  
 Last Modified: Thursday, June 04, 2009 11:33:34 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 12:26:37 Pacific Daylight Time

Page 2 of 3  
 Page Position (2, 1)

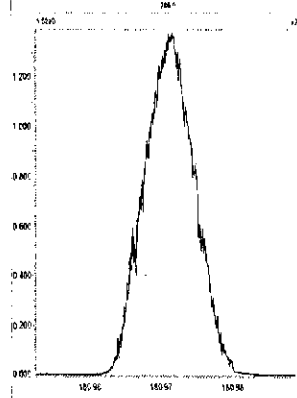
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---	Tray1:2	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
20	Tray1:3	1.000000	Analyte	SMA,AM 06-02-09	1668M10D5	1668M10D5	---	---
20	Tray1:4	1.000000	Analyte	SMA,AM 06-02-09	1668M10D5	1668M10D5	1000	2000
20	Tray1:5	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
20	Tray1:6	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
20	Tray1:7	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
20	Tray1:8	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
20	Tray1:9	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
20	Tray1:10	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
20	Tray1:11	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:12	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	666.6667	1333.33
---	Tray1:13	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:14	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	1	2
---	Tray1:15	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	50	100
---	Tray1:16	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:17	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:18	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:19	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:20	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:21	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:22	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:23	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:24	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:14	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:26	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	---	---
---	Tray1:27	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	1	2
---	Tray1:28	1.000000	Analyte	KAS 06-03-09	1668M10D5	1668M10D5	1	2
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---	Tray1:30	1.000000	Analyte	SMA,AM 06-02-09	1668M10D5	1668M10D5	1	2
---	Tray1:31	1.000000	Analyte	SMA,AM 06-02-09	1668M10D5	1668M10D5	1	2
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---	Tray1:35	1.000000	Analyte	SMA,AM 06-02-09	1668M10D5	1668M10D5	1	2
---	Tray1:36	1.000000	Analyte	SMA,AM 06-02-09	1668M10D5	1668M10D5	1	2
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---	Tray1:43	1.000000	Analyte	SMA,AM 06-02-09	1668M10D5	1668M10D5	1	2
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100	100	100	---	---	---	---
---	---	---	---	---	---	---
2000	2000	2000	---	---	---	---
2000	2000	2000	---	---	---	---
1000	2000	1000	---	---	---	---
1000	2000	1000	---	---	---	---
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1000	2000	1000	---	---	---	---
1000	2000	1000	---	---	---	---
1000	2000	1000	---	---	---	---
666.6667	1000	666.6667	---	---	---	---
100	100	100	---	---	---	---
100	100	100	---	---	---	---
100	100	100	---	---	---	---
100	100	100	---	---	---	---
666.6667	1000	666.6667	---	---	---	---
666.6667	1000	666.6667	---	---	---	---
2000	2000	2000	---	---	---	---
2000	2000	2000	---	---	---	---
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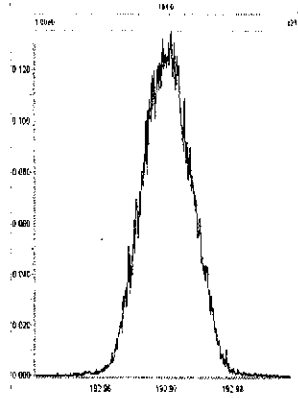
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Printed: Wednesday, June 03, 2009 11:28:39 Pacific Daylight Time

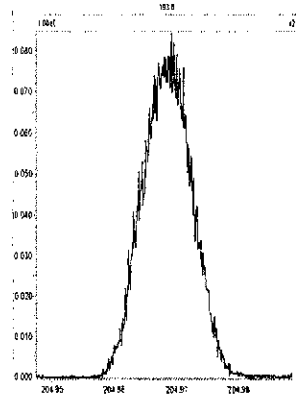
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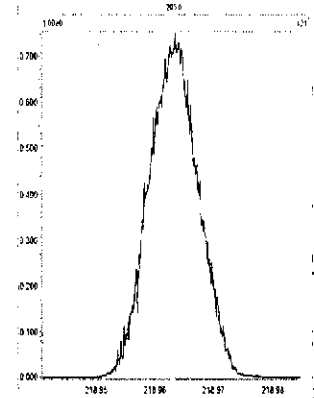
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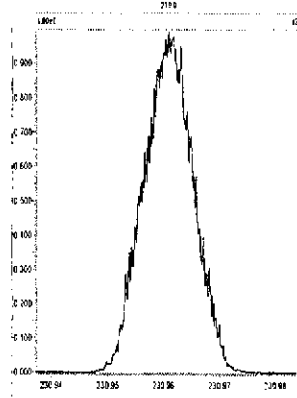
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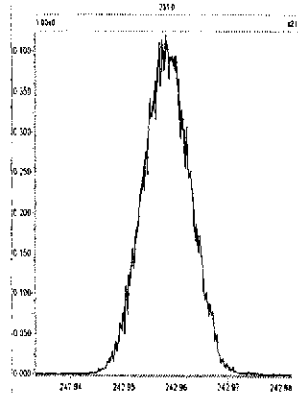
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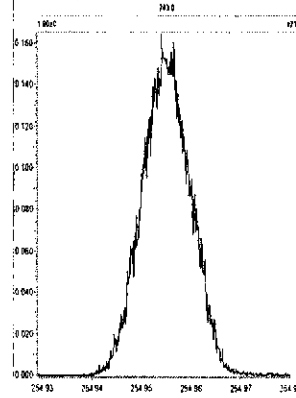
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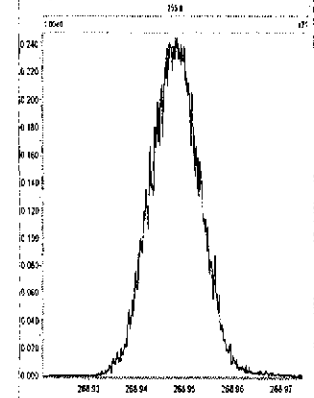
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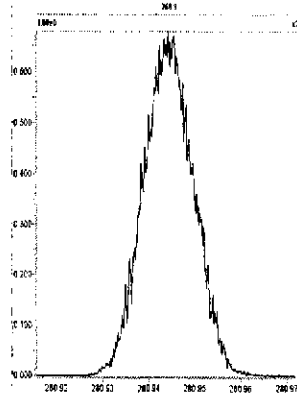
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M 268.9824 R 11679



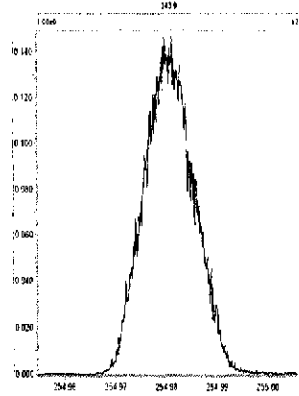
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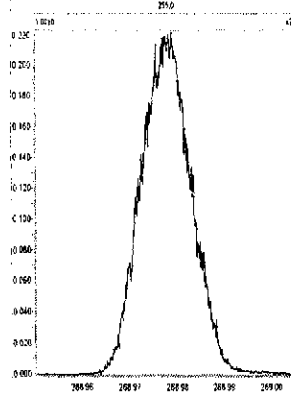
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Printed: Wednesday, June 03, 2009 11:29:09 Pacific Daylight Time

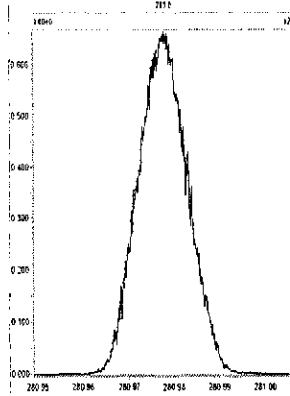
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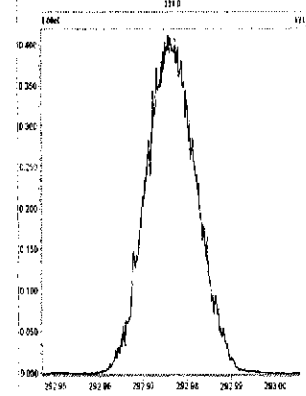
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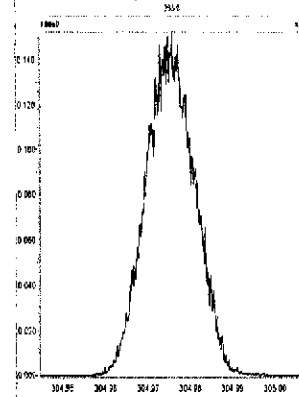
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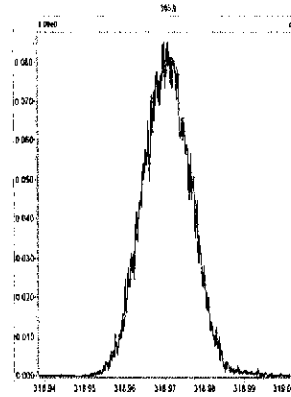
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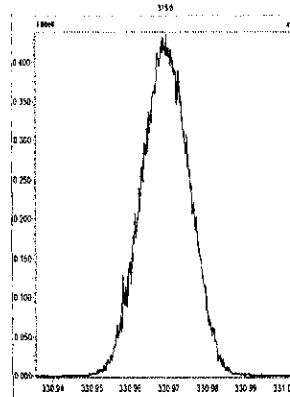
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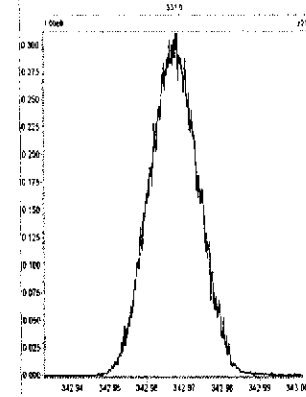
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M 330.9792 R 12019



M 342.9792 R 11466

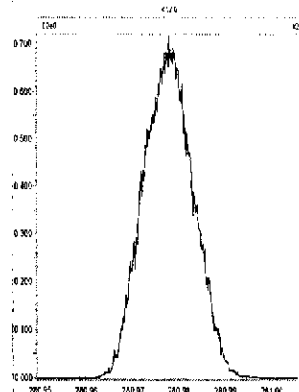




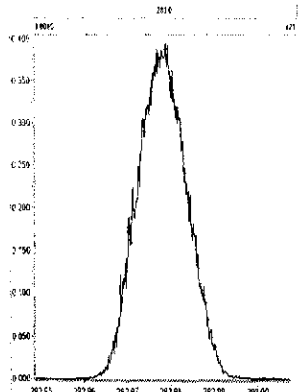
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Printed: Wednesday, June 03, 2009 11:29:51 Pacific Daylight Time

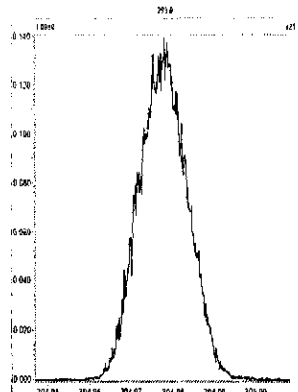
M 280.9824 R 11411



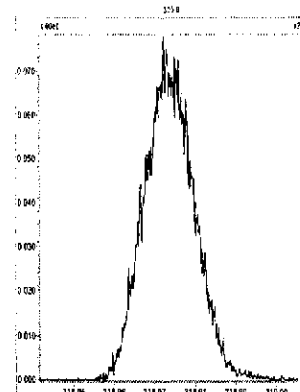
M 292.9824 R 11415



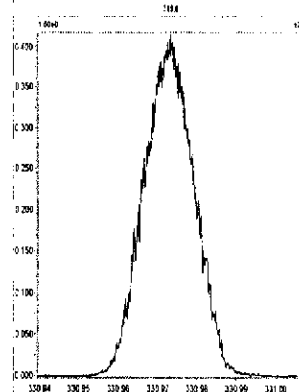
M 304.9824 R 11466



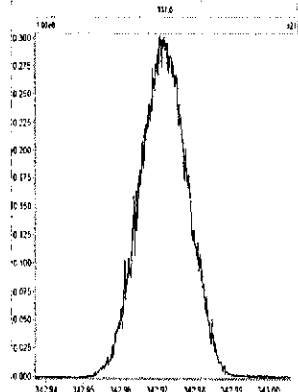
M 318.9792 R 11630



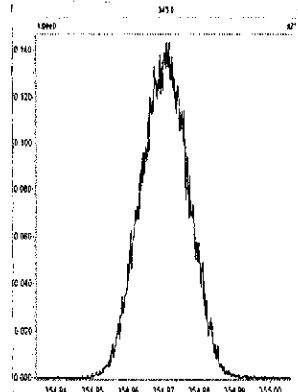
M 330.9792 R 11792



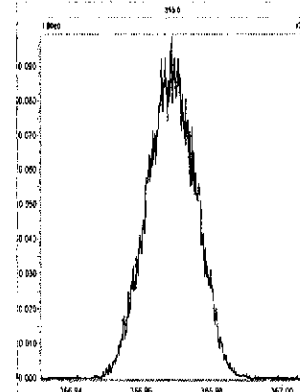
M 342.9792 R 11735



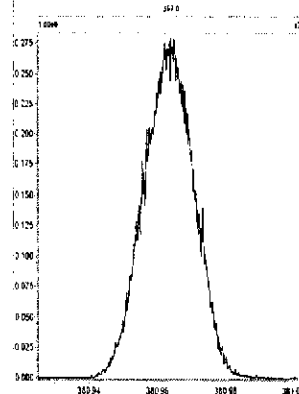
M 354.9792 R 11678



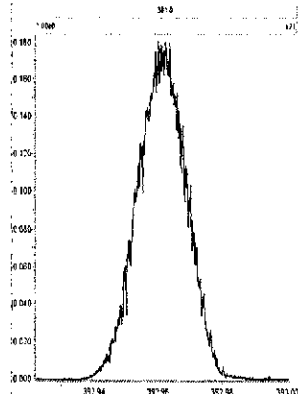
M 366.9792 R 11682



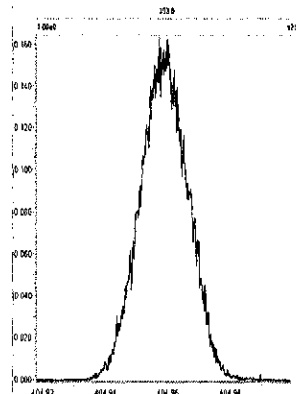
M 380.9760 R 11572



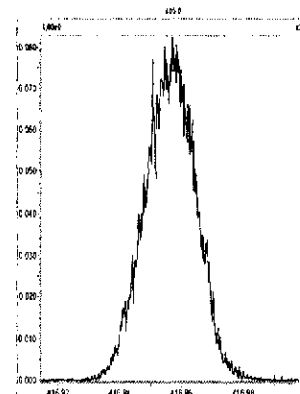
M 392.9760 R 11416



M 404.9760 R 11467



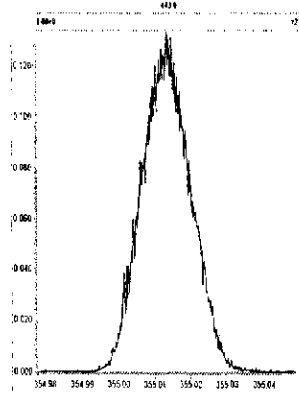
M 416.9760 R 11109



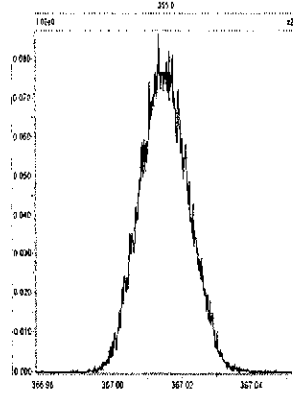
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Printed: Wednesday, June 03, 2009 11:31:02 Pacific Daylight Time

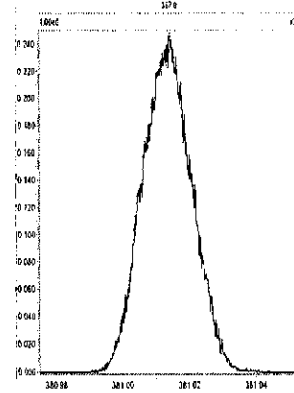
M 354.9792 R 11315



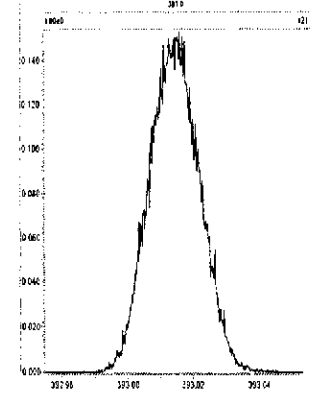
M 366.9792 R 11464



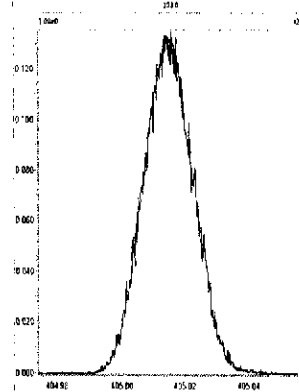
M 380.9760 R 11363



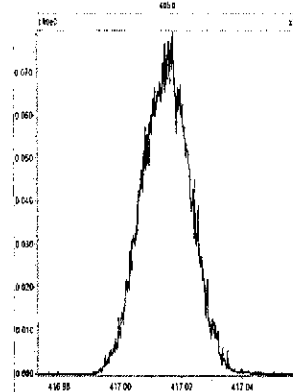
M 392.9760 R 11523



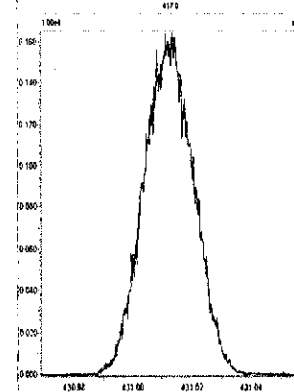
M 404.9760 R 11469



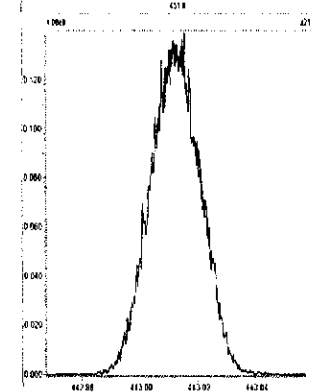
M 416.9760 R 11415



M 430.9728 R 11314



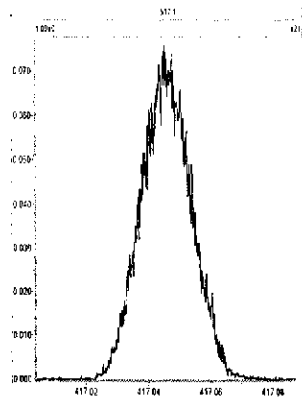
M 442.9728 R 11469



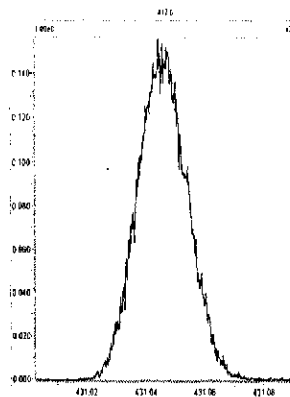
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Printed: Wednesday, June 03, 2009 11:32:04 Pacific Daylight Time

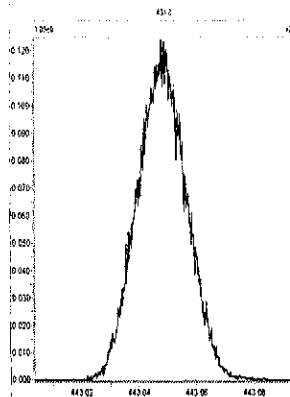
M 416.9760 R 11521



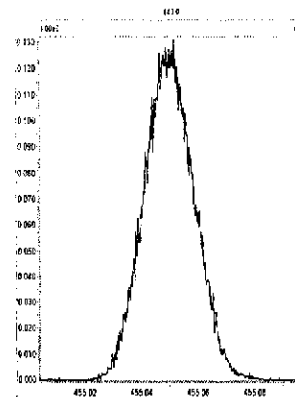
M 430.9728 R 11363



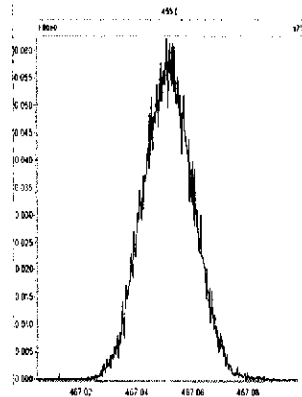
M 442.9728 R 11365



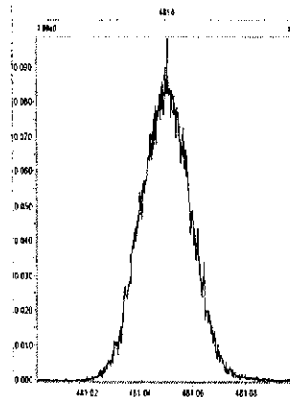
M 454.9728 R 11111



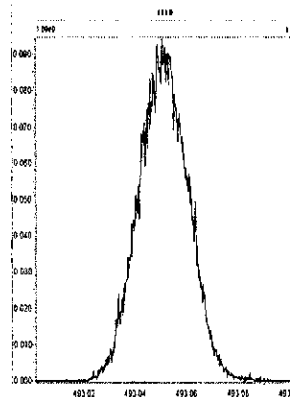
M 466.9728 R 11061



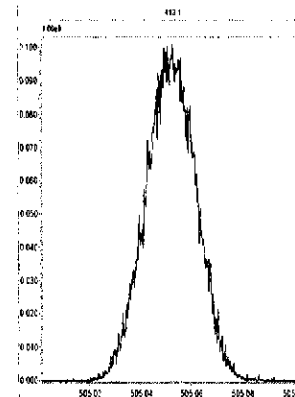
M 480.9696 R 11209



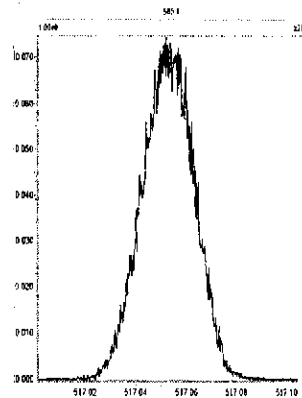
M 492.9696 R 11211



M 504.9696 R 11315



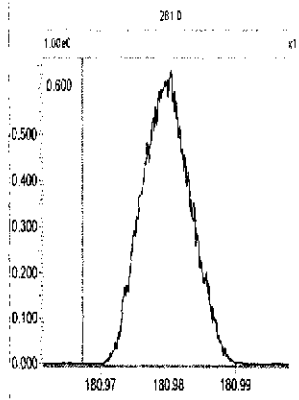
M 516.9697 R 11256



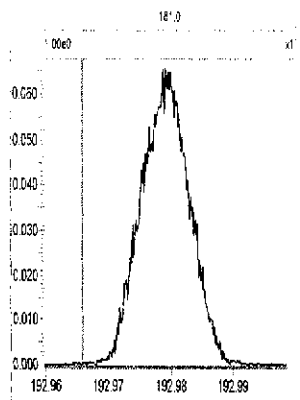
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Printed: Thursday, June 04, 2009 15:00:32 Pacific Daylight Time

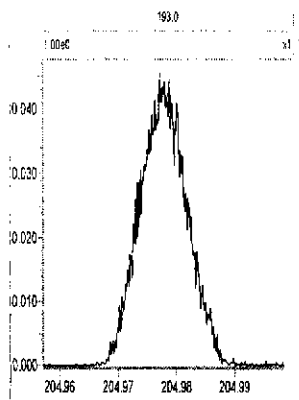
M 180.9888 R 11111



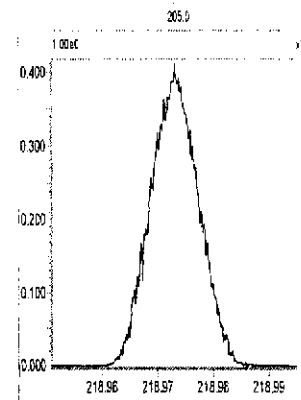
M 192.9888 R 11629



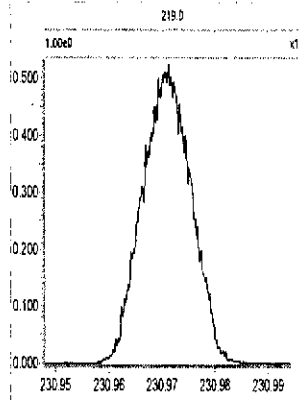
M 204.9888 R 11735



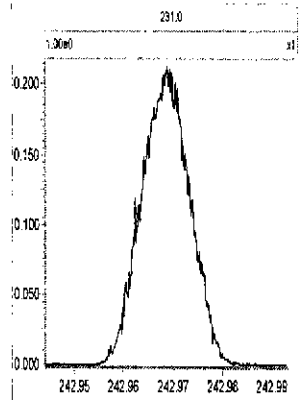
M 218.9856 R 11468



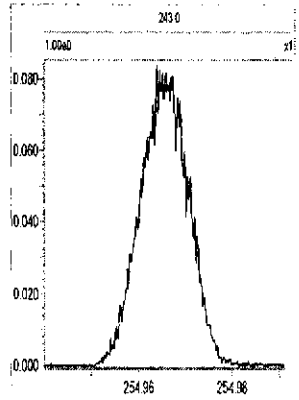
M 230.9856 R 11790



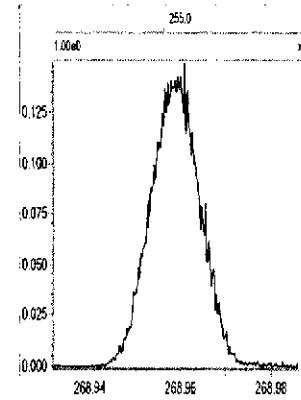
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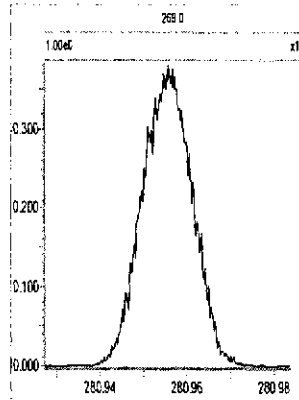
M 254.9856 R 11061



M 268.9824 R 11413



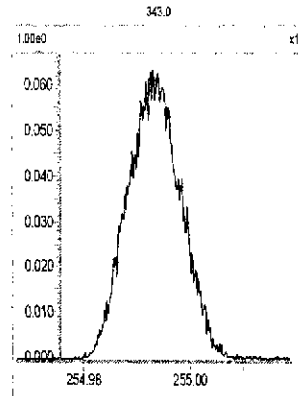
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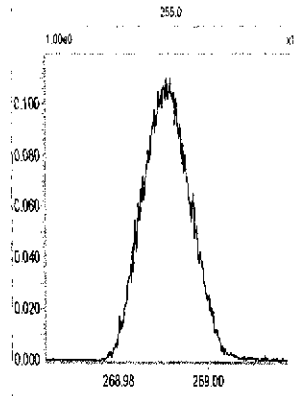
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Printed: Thursday, June 04, 2009 15:00:58 Pacific Daylight Time

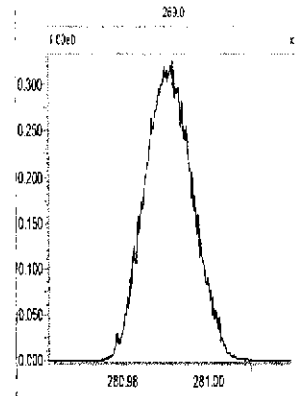
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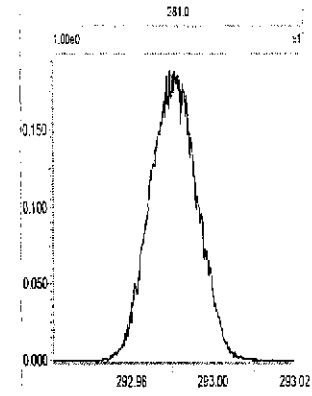
M 268.9824 R 11573



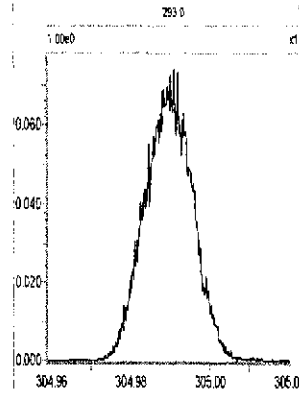
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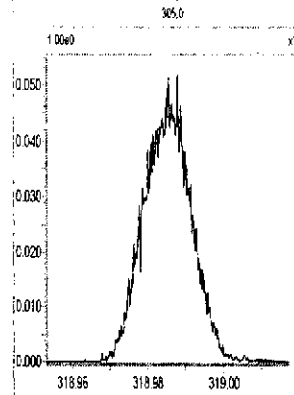
M 292.9824 R 11468



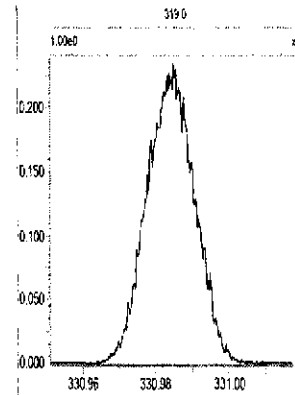
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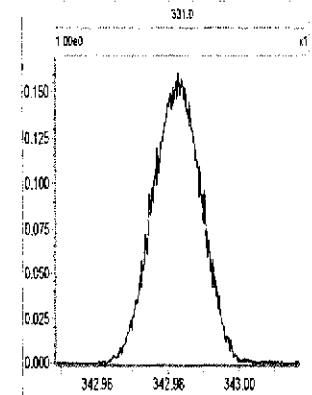
M 318.9792 R 11630



M 330.9792 R 11737



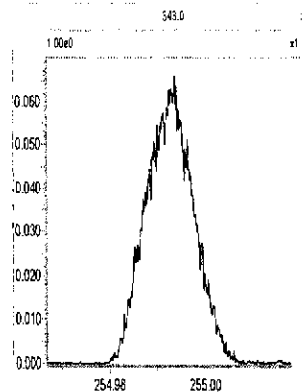
M 342.9792 R 11260



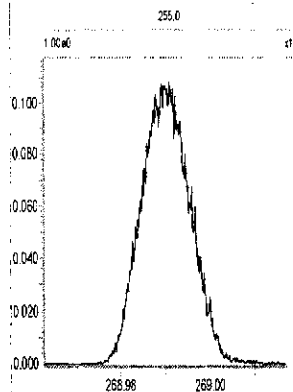
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Printed: Thursday, June 04, 2009 15:01:15 Pacific Daylight Time

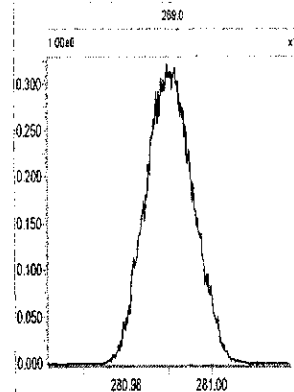
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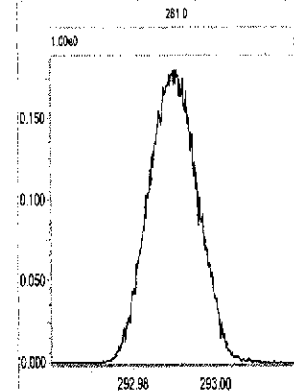
M 268.9824 R 11466



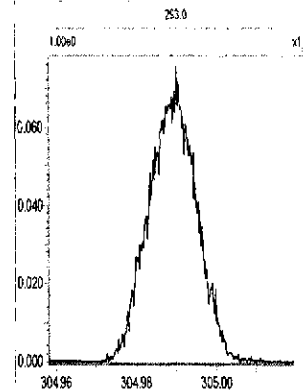
M 280.9824 R 11624



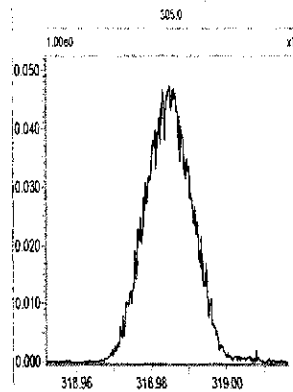
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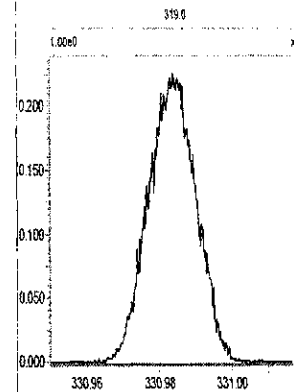
M 304.9824 R 11632



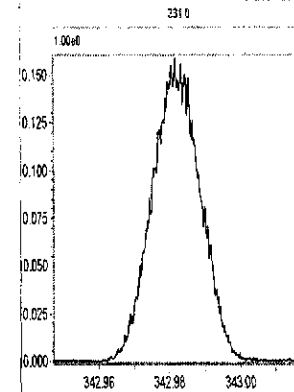
M 318.9792 R 12022



M 330.9792 R 11521



M 342.9792 R 11265



File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

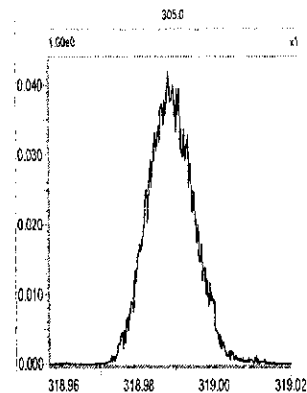
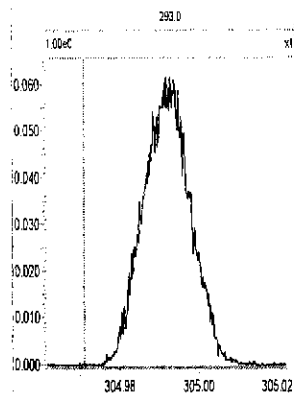
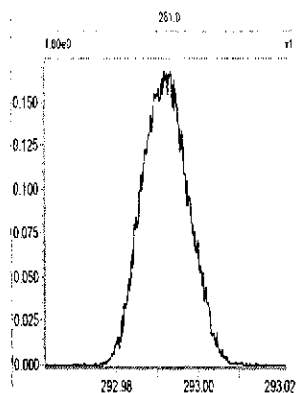
Printed: Thursday, June 04, 2009 15:01:48 Pacific Daylight Time

M 280.9824 R 11733

M 292.9824 R 11416

M 304.9824 R 11791

M 318.9792 R 11113

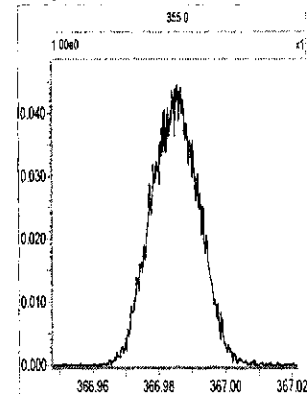
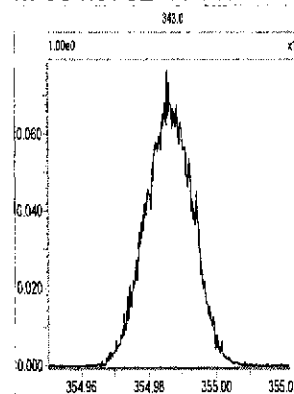
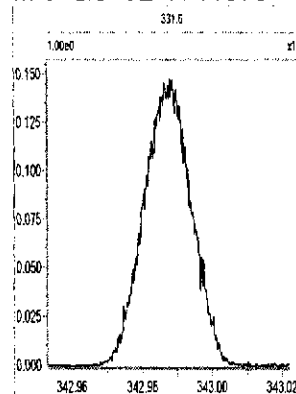
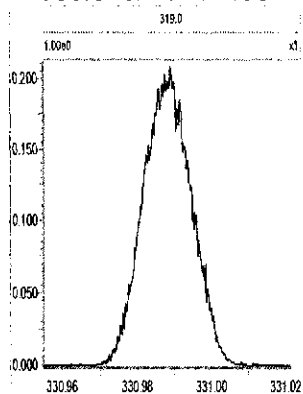


M 330.9792 R 11463

M 342.9792 R 11573

M 354.9792 R 11314

M 366.9792 R 11848

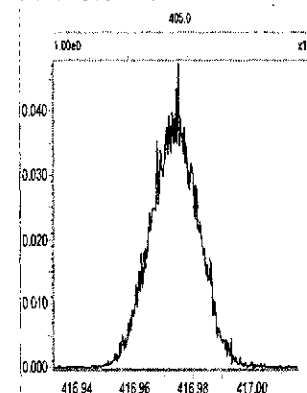
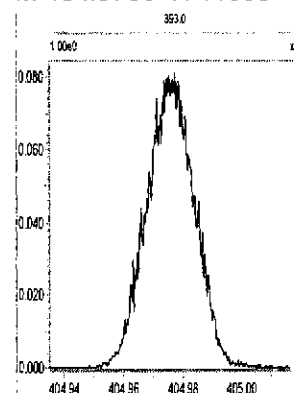
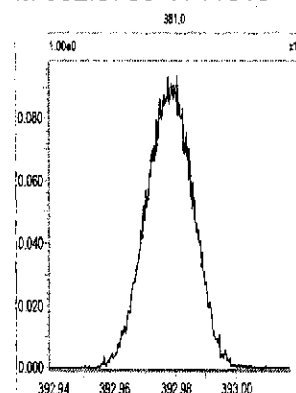
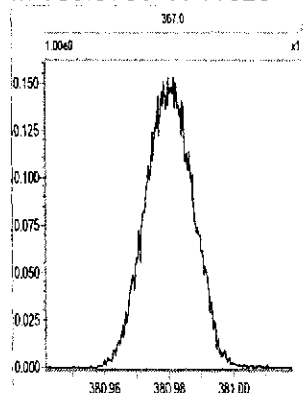


M 380.9760 R 11626

M 392.9760 R 11518

M 404.9760 R 11363

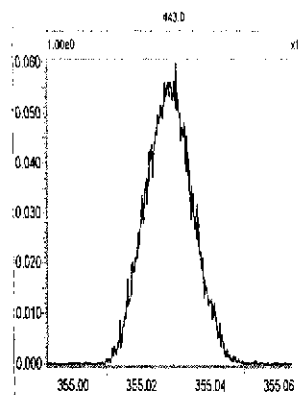
M 416.9760 R 11470



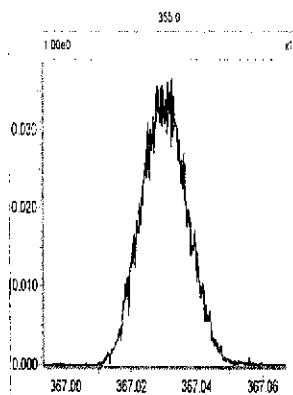
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Printed: Thursday, June 04, 2009 15:02:20 Pacific Daylight Time

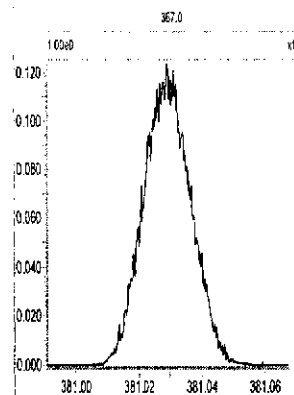
M 354.9792 R 11680



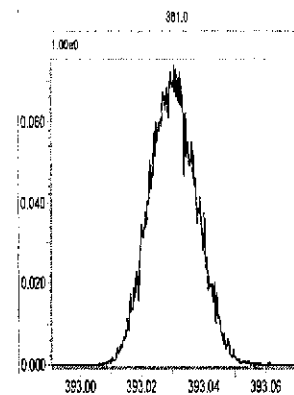
M 366.9792 R 11365



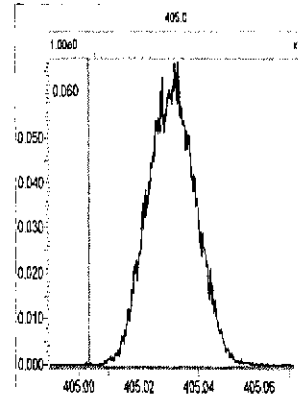
M 380.9760 R 11628



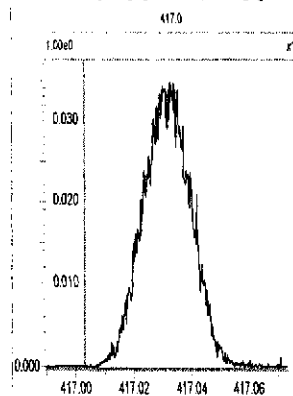
M 392.9760 R 11012



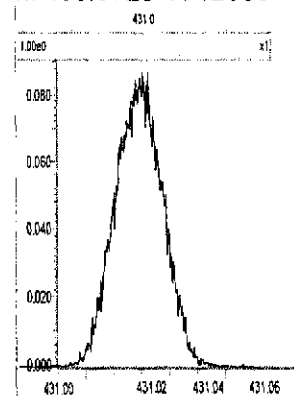
M 404.9760 R 11518



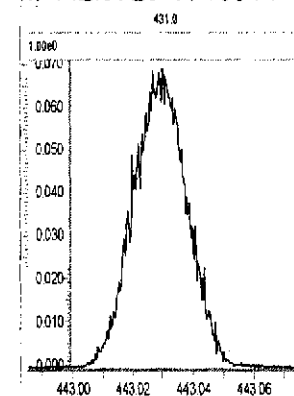
M 416.9760 R 11733



M 430.9728 R 12080



M 442.9728 R 10914

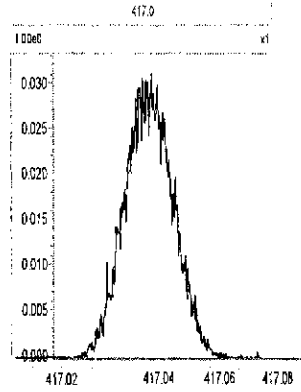




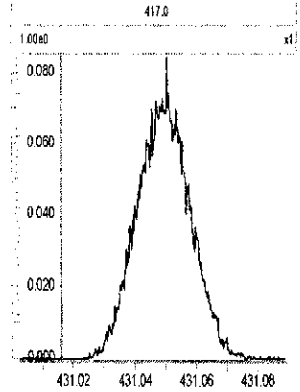
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Printed: Thursday, June 04, 2009 15:03:21 Pacific Daylight Time

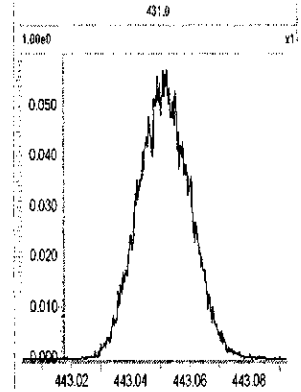
M 416.9760 R 11262



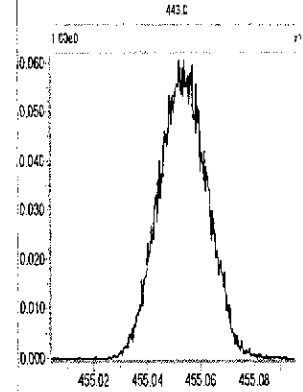
M 430.9728 R 11061



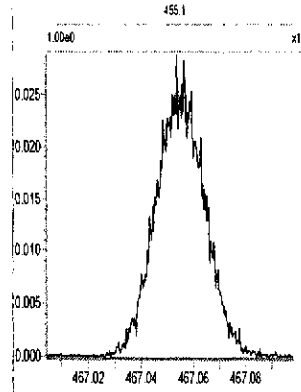
M 442.9728 R 11626



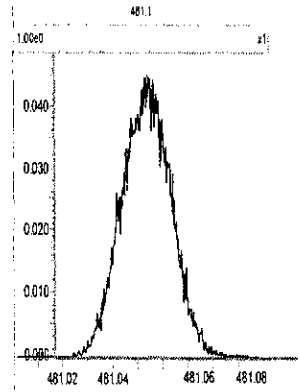
M 454.9728 R 11313



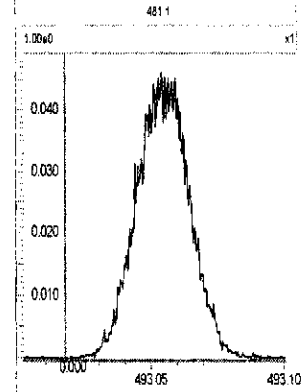
M 466.9728 R 11110



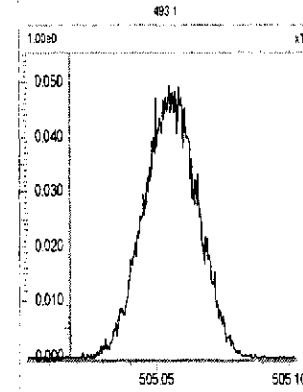
M 480.9696 R 10778



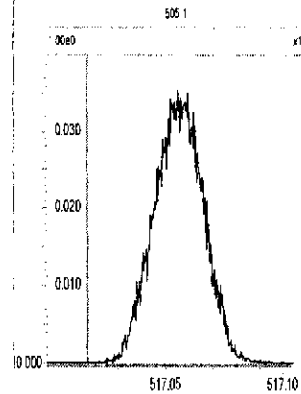
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M 504.9696 R 10775

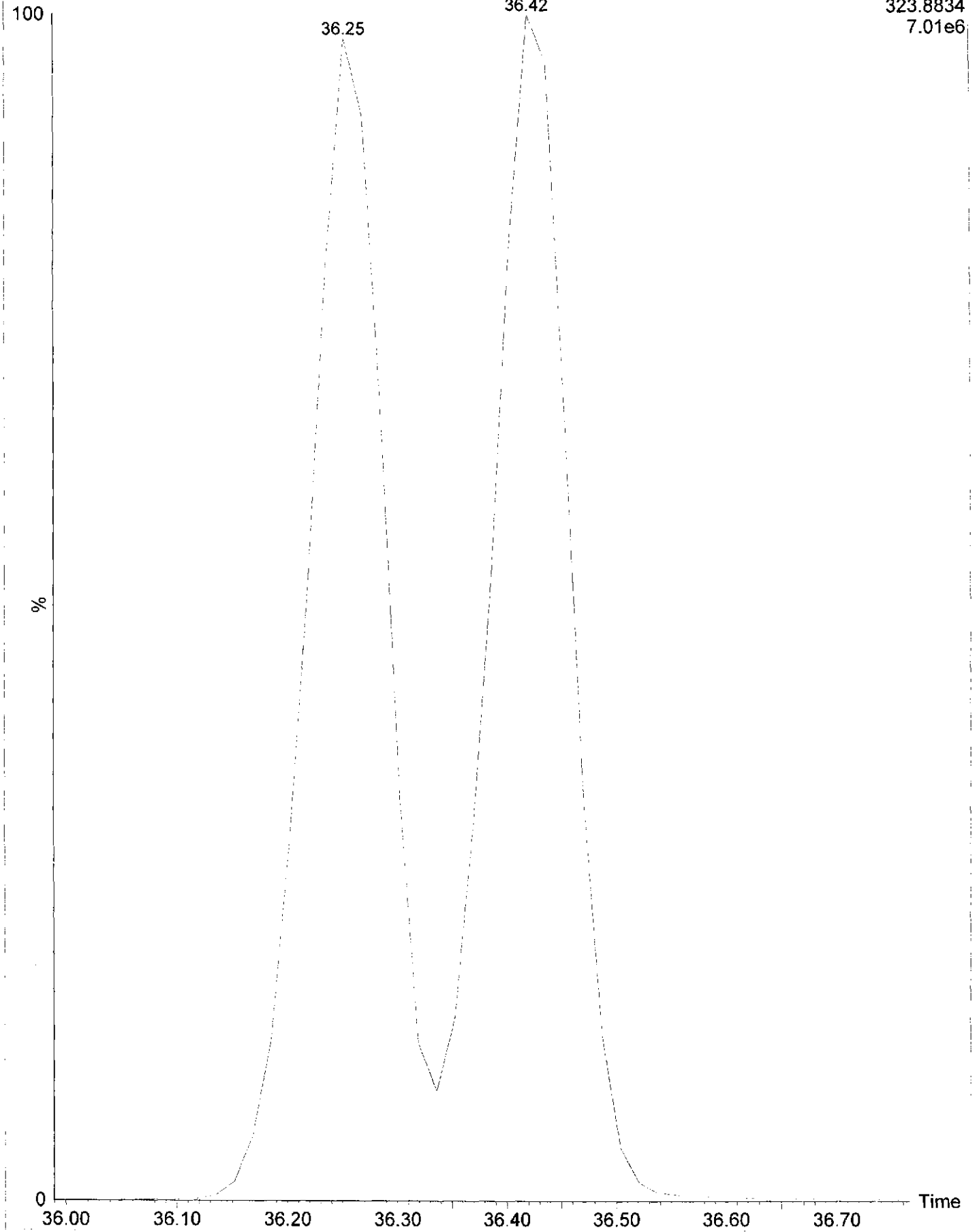


M 516.9697 R 11463



CS3 09DXN016  
03JN0910D5\_1 Sb (0,2.00 )

3: Voltage SIR 17 Channels EI+  
323.8834  
7.01e6



Dataset: C:\MassLynx\Default.pro\03JN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 11:40:02 Pacific Daylight Time

Printed: Thursday, June 04, 2009 15:53:50 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1668MSL10DB5.mdb 22 May 2009 10:05:00

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\ICA0528200910D51668MSL.cdb 29 May 2009 14:02:36

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	18021.87851	2050.71335	11.37902
2				
3	13C-TeCB-81	1.03599	0.02501	2.41419
4	TeCB-81	1.44583	0.00437	0.30224
5	13C-TeCB-77	1.08641	0.02579	2.37393
6	TeCB-77	1.29292	0.02056	1.58985
7				
8	13C-PeCB-123	0.95097	0.02827	2.97237
9	PeCB-123	1.51322	0.02212	1.46152
10	13C-PeCB-118	0.97393	0.03695	3.79401
11	PeCB-118/106	1.52848	0.02627	1.71893
12	13C-PeCB-114	1.01913	0.03962	3.88780
13	PeCB-114	1.58175	0.02479	1.56721
14	13C PeCB-105	0.96994	0.03275	3.37666
15	PeCB-105/127	1.41405	0.02033	1.43796
16	13C-PeCB-126	1.05005	0.04594	4.37465
17	PeCB-126	1.18292	0.02614	2.20937
18				
19	13C-OcCB-202	22301.52450	3167.66285	14.20380
20				
21	13C-HxCB-167	0.92060	0.01264	1.37296
22	HxCB-167	1.34432	0.06662	4.95542
23	13C-HxCB-156	0.74676	0.02195	2.93968
24	HxCB-156	1.67701	0.03279	1.95505
25	13C-HxCB-157	0.78876	0.00924	1.17170
26	HxCB-157	1.65897	0.03279	1.97646
27	13C-HxCB-169	0.84240	0.01605	1.90524
28	HxCB-169	1.15392	0.00861	0.74591
29				
30	13C-HpCB-180	0.63199	0.00526	0.83284
31	HpCB-180	1.27271	0.03767	2.96008
32	13C-HpCB-170	0.51406	0.01057	2.05650
33	HpCB-170	1.58019	0.02915	1.84501
34	13C-HpCB-189	0.70062	0.01369	1.95356
35	HpCB-189	1.22015	0.01845	1.51238
36				
37	13C-PeCB-111	1.28382	0.03552	2.76696
38				
39	Function 3 PFK			
40	Function 4 PFK			

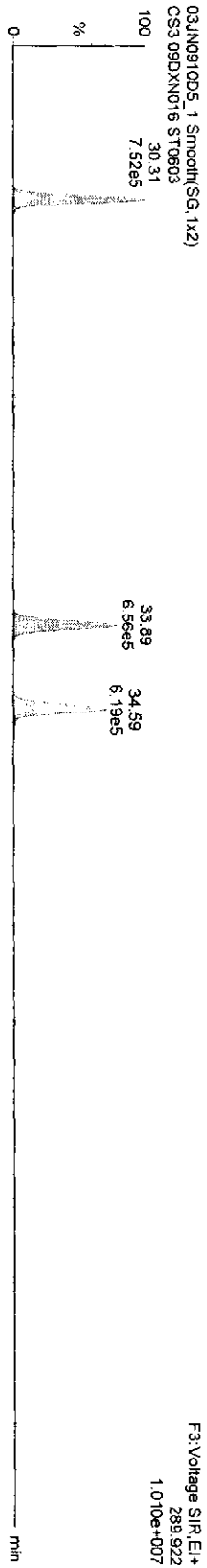
Dataset: C:\Masslynx\Default\proj\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time

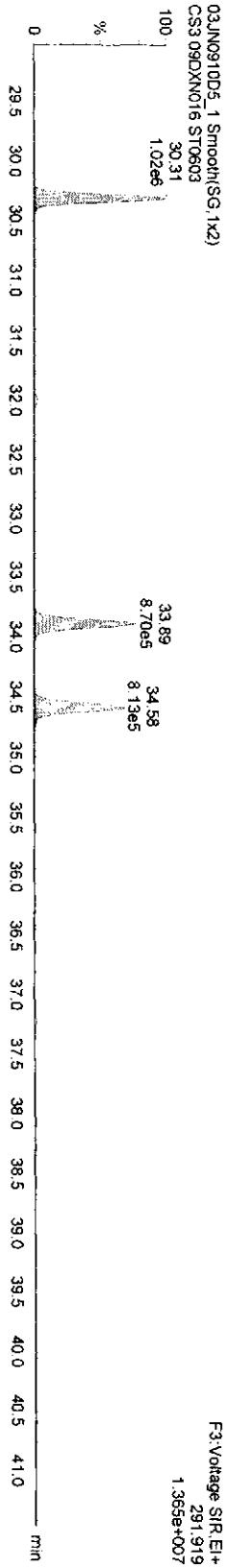
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_1, Date: 03-Jun-2009, Time: 11:33:05, ID: ST0603, Description: CS3 09DXN016

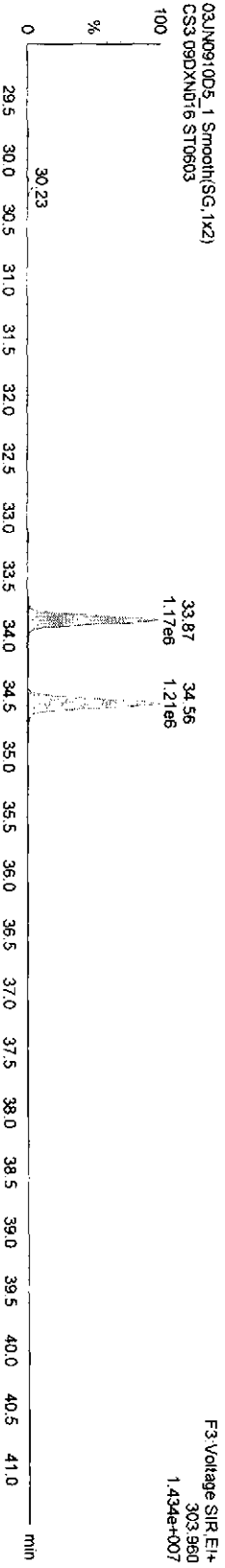
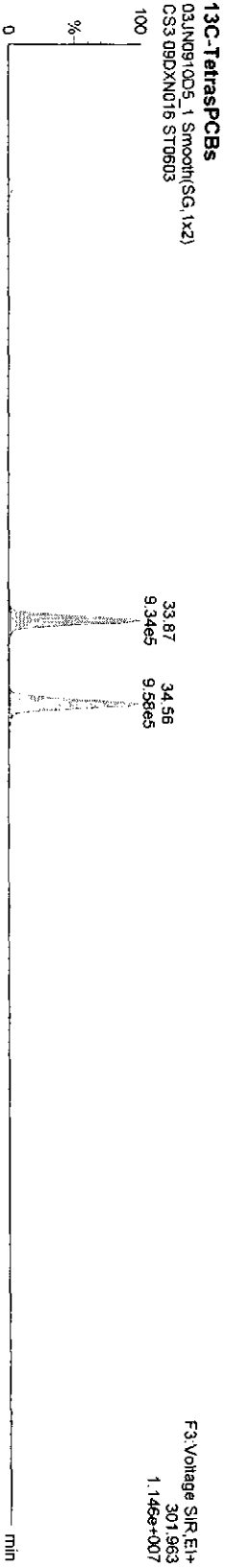
**TetraPCBs**



**13C-TetrasPCBs**



**13C-TetrasPCBs**

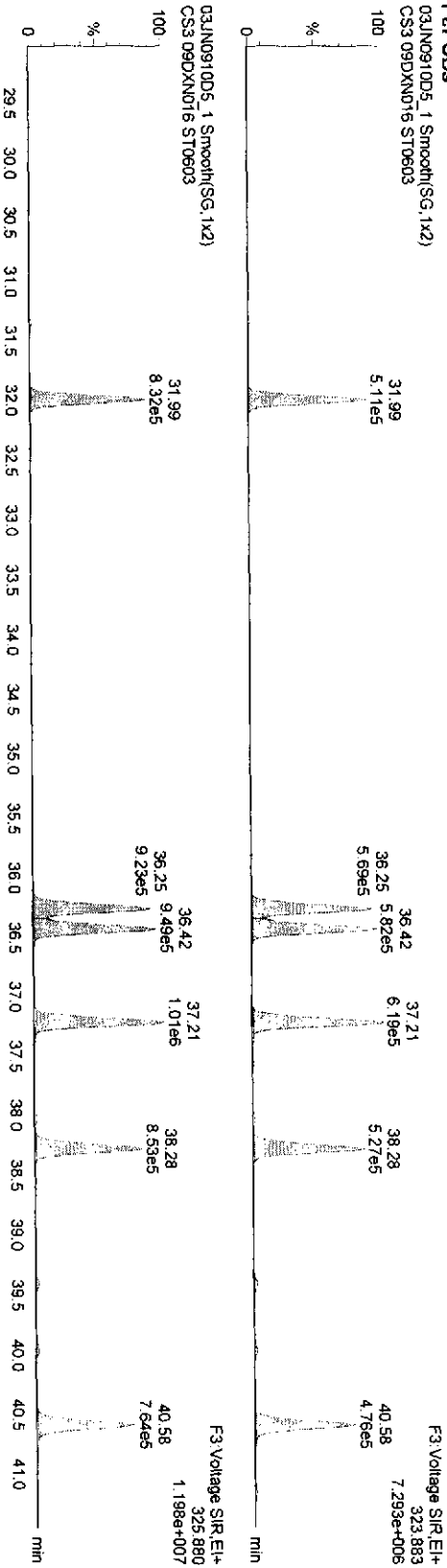


Dataset: C:\Masslynx\Default.pro\03JUN09\10D51668MSL.qid

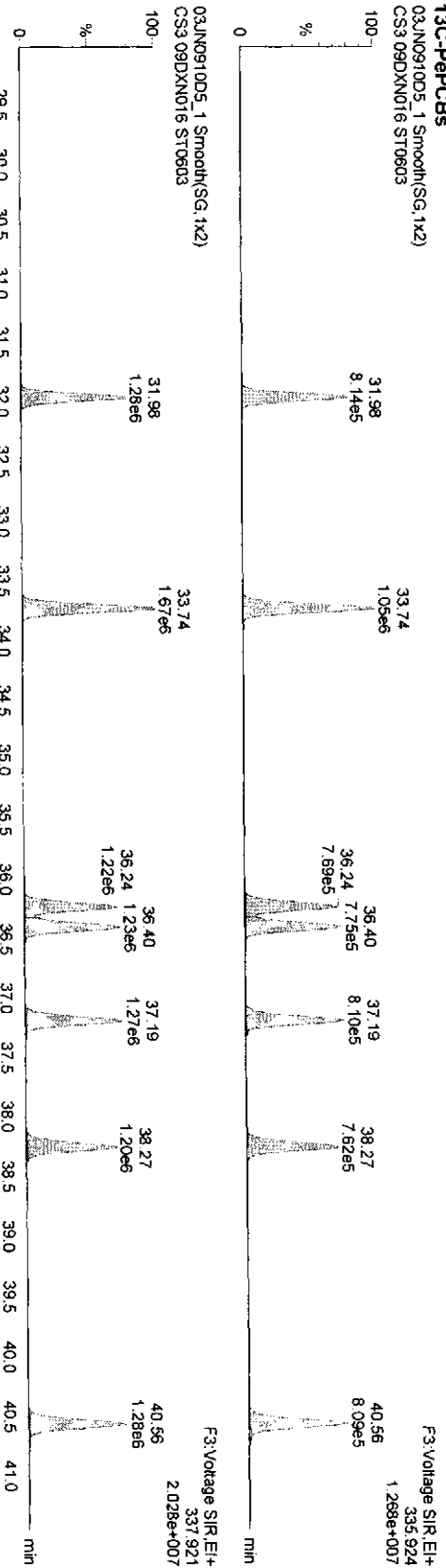
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN09\10D5\_1, Date: 03-Jun-2009, Time: 11:33:05, ID: ST0603, Description: CS3 09DXN016

**PaPCBs**



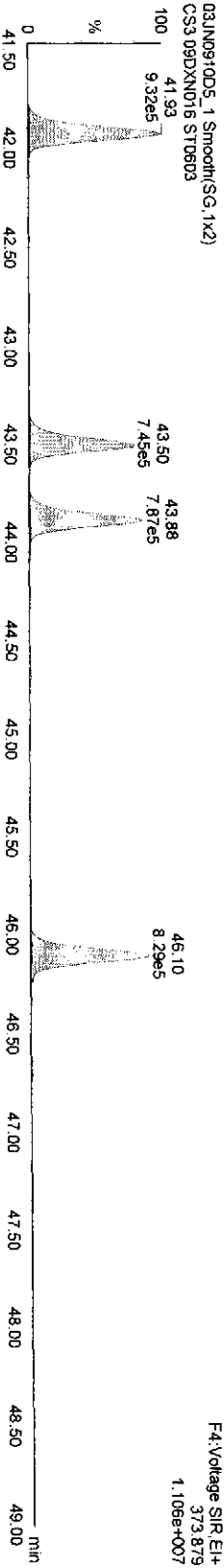
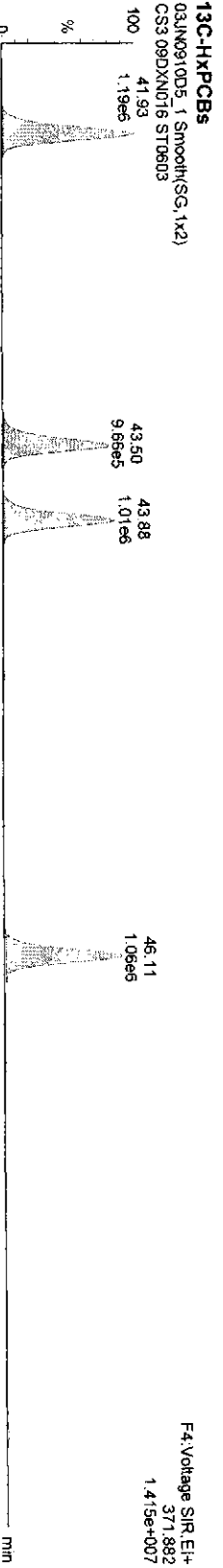
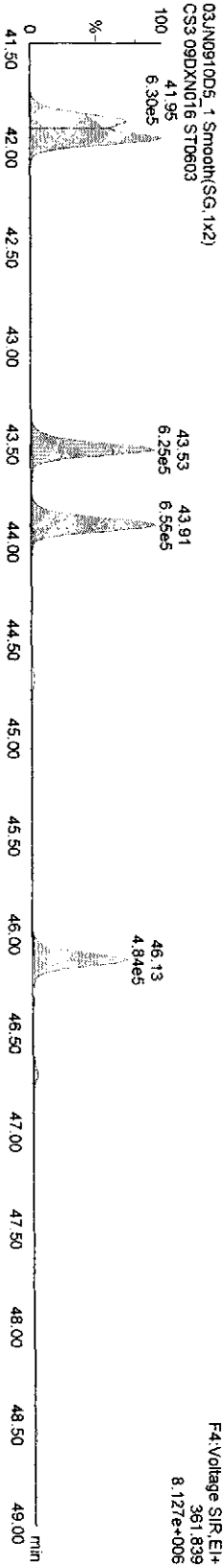
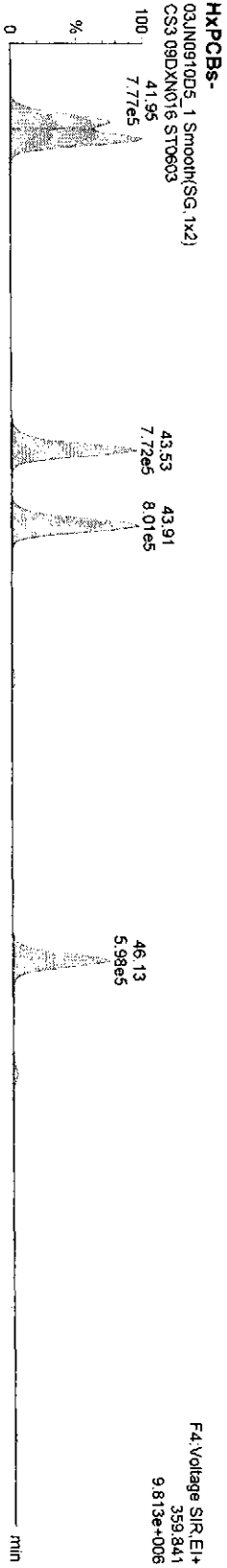
**13C-PaPCBs**



Dataset: C:\Masslynx\Default\pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_1, Date: 03-Jun-2009, Time: 11:33:05, ID: ST0603, Description: CS3 09DXN016



Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

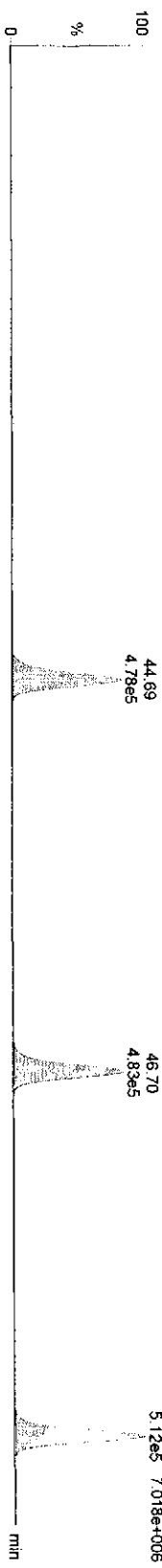
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_1, Date: 03-Jun-2009, Time: 11:33:05, ID: ST0603, Description: CS3 09DXN016

**HPPCBs**

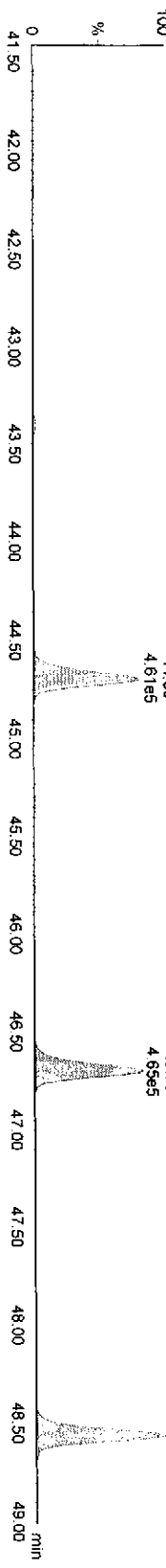
03JUN0910D5\_1 Smooth(SG, 1x2)

CS3 09DXN016 ST0603



03JUN0910D5\_1 Smooth(SG, 1x2)

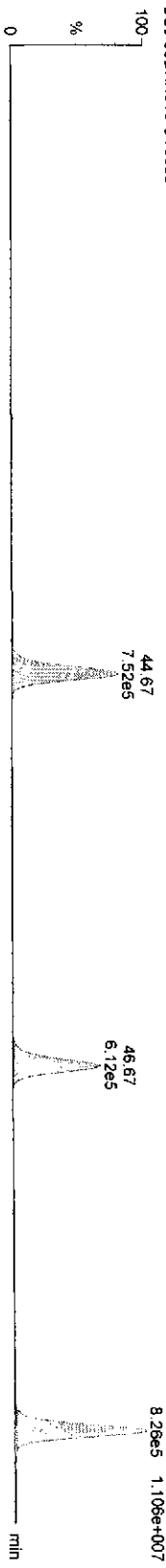
CS3 09DXN016 ST0603



**13C-HPPCBs**

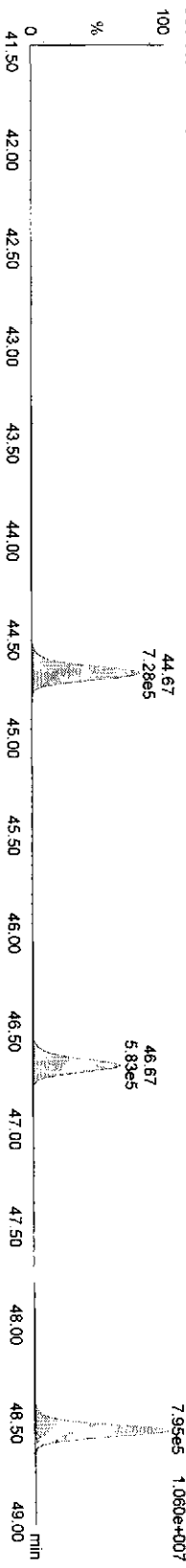
03JUN0910D5\_1 Smooth(SG, 1x2)

CS3 09DXN016 ST0603



03JUN0910D5\_1 Smooth(SG, 1x2)

CS3 09DXN016 ST0603

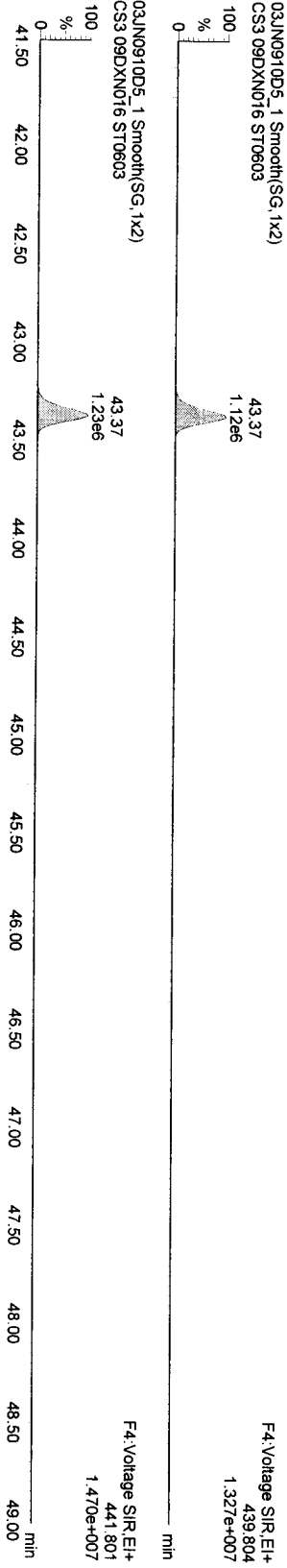


Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

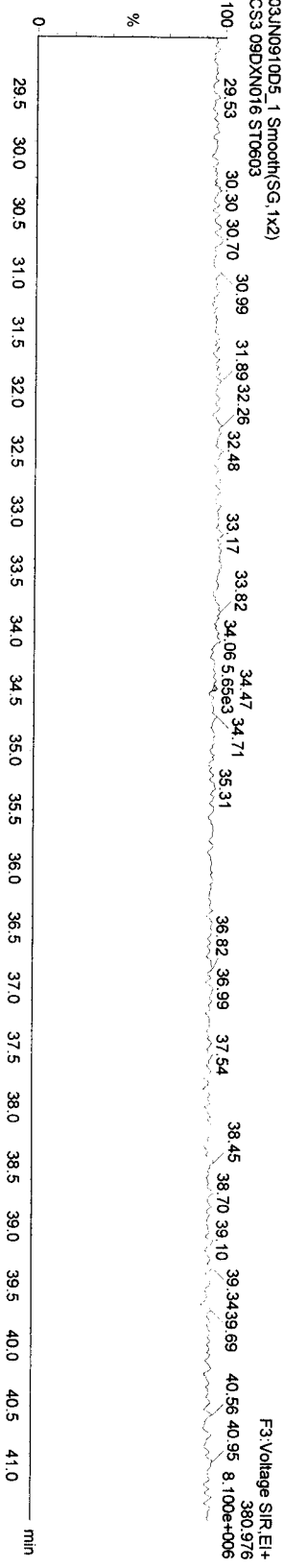
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_1, Date: 03-Jun-2009, Time: 11:33:05, ID: ST0603, Description: CS3 09DXN016

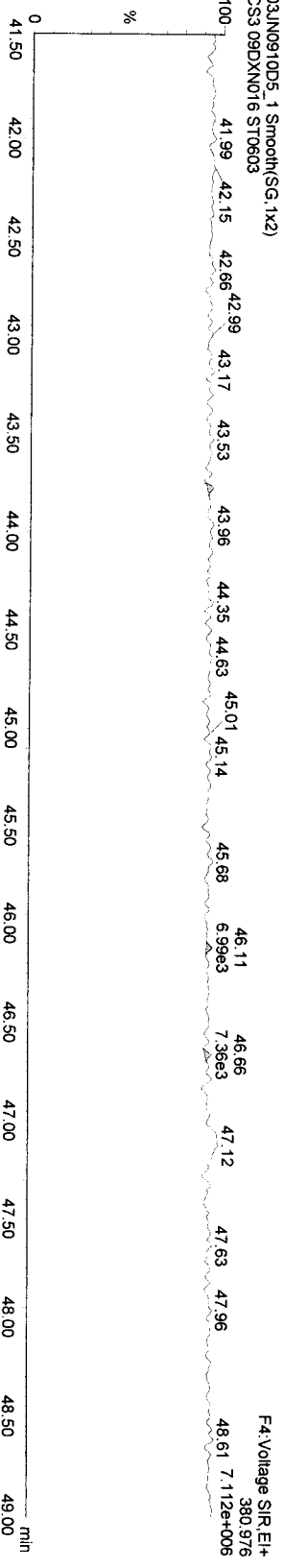
13C-OcCB-202



Function 3 PFK



Function 4 PFK



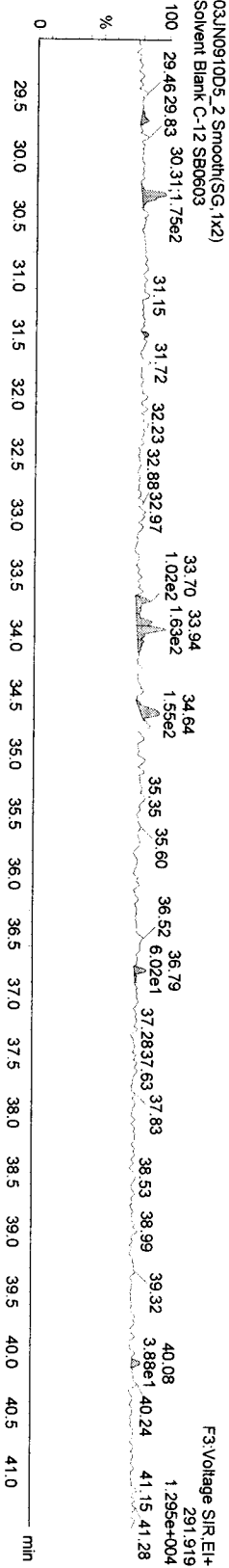
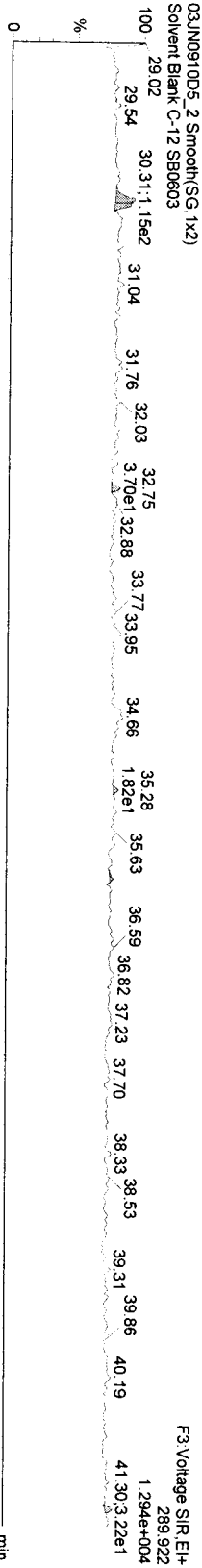


Dataset: C:\MassLynx\Default\proj\03JUN0910D51668MSL.qld

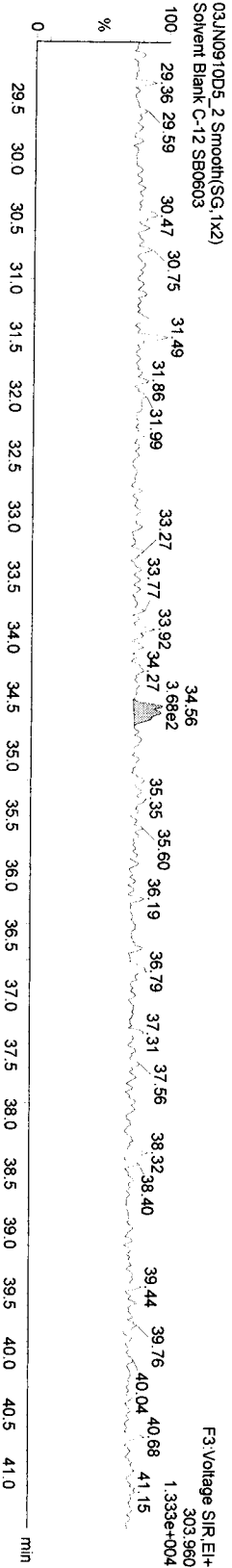
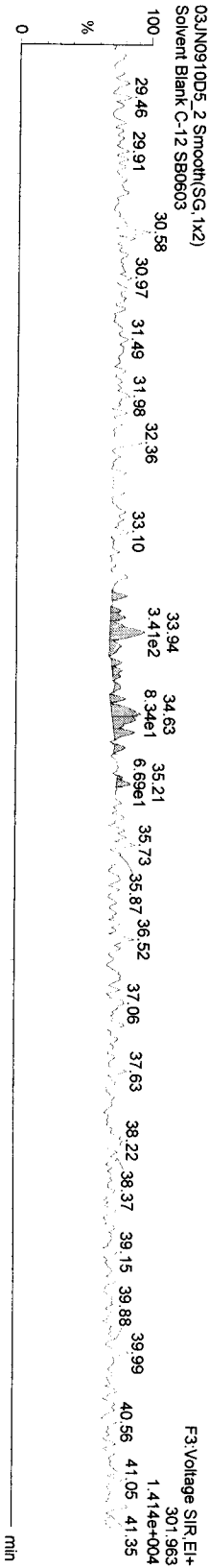
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_2, Date: 03-Jun-2009, Time: 12:29:08, ID: SB0603, Description: Solvent Blank C-12

**TetraPCBs**



**13C-TetrasPCBs**

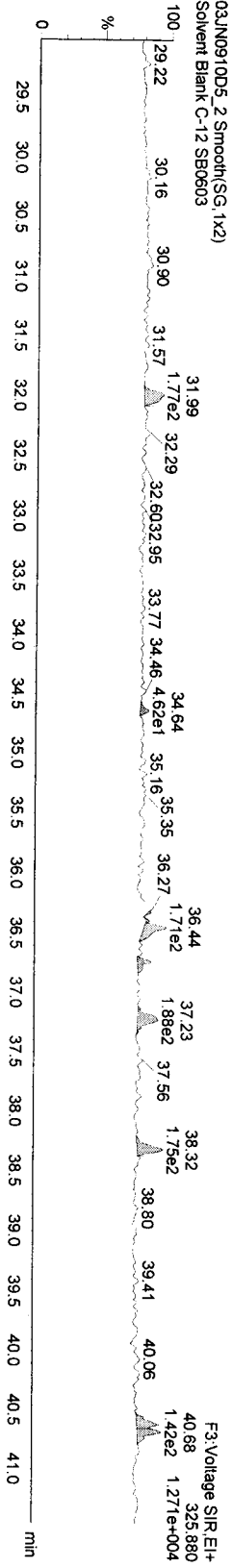
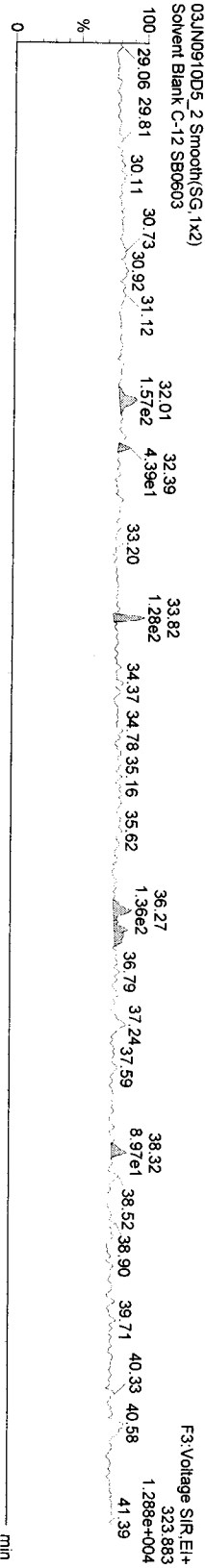


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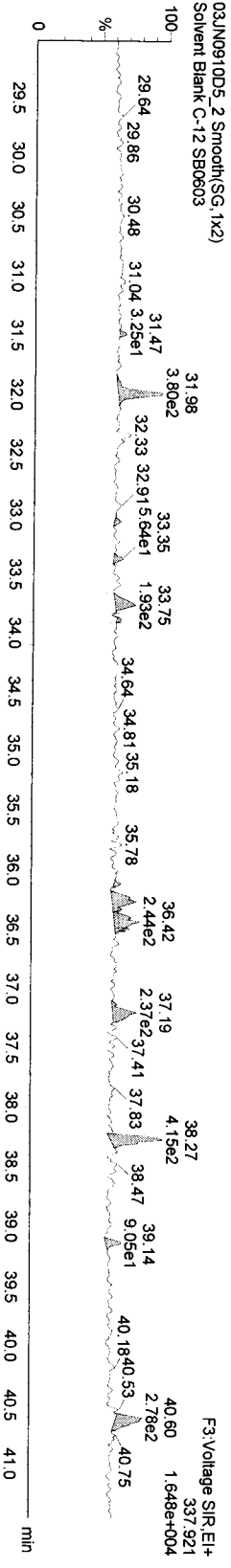
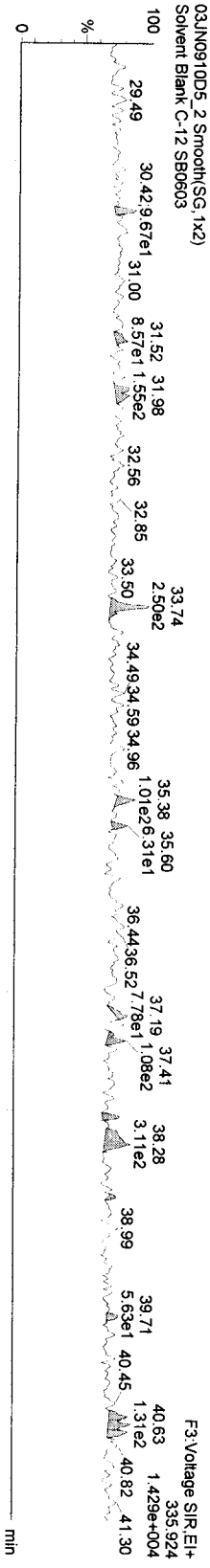
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_2, Date: 03-Jun-2009, Time: 12:29:08, ID: SB0603, Description: Solvent Blank C-12

**PePCBs**



**13C-PePCBs**

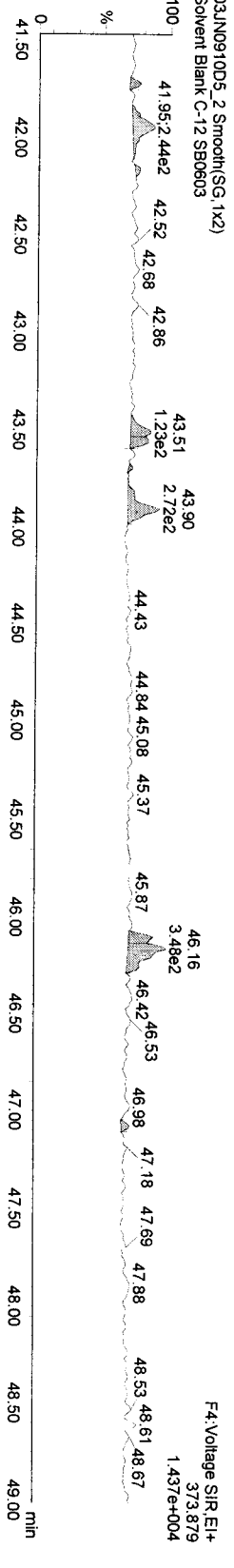
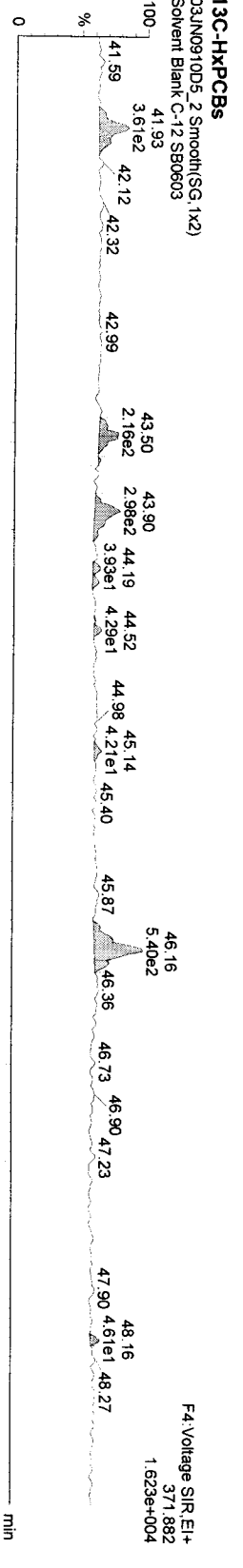
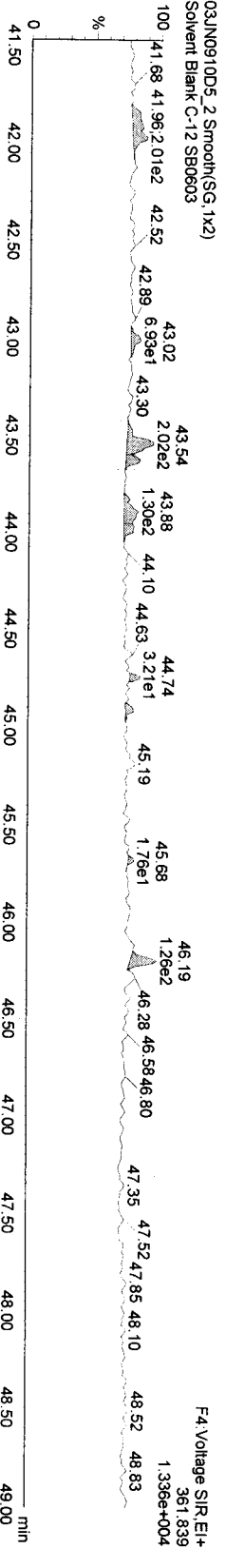
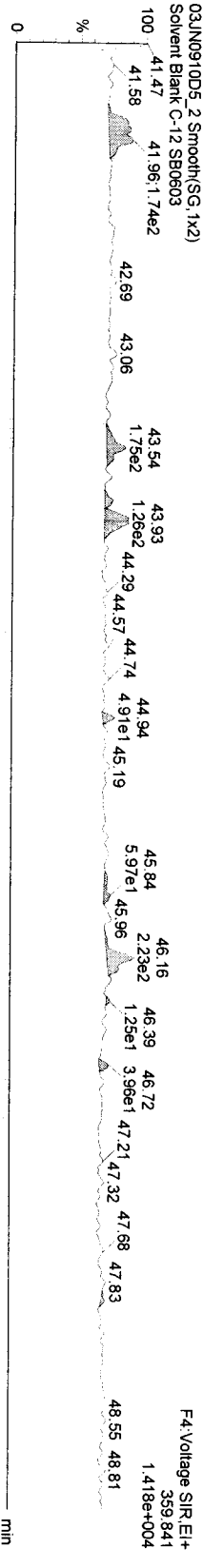


Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qid

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_2, Date: 03-Jun-2009, Time: 12:29:08, ID: SB0603, Description: Solvent Blank C-12

HxPCBs-

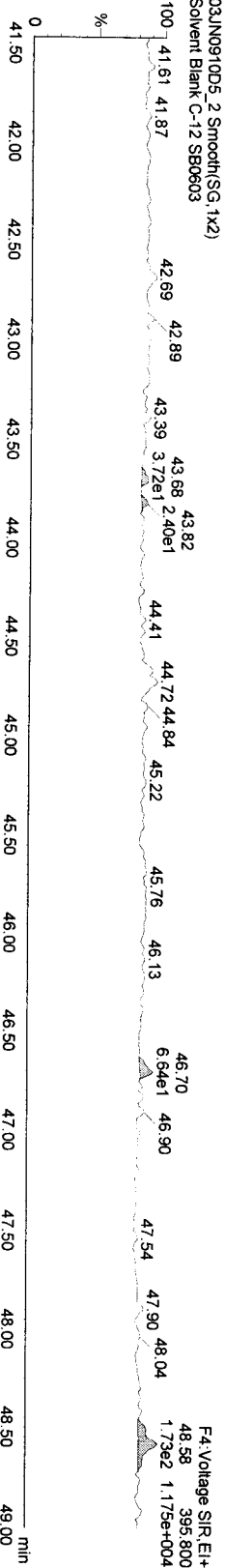
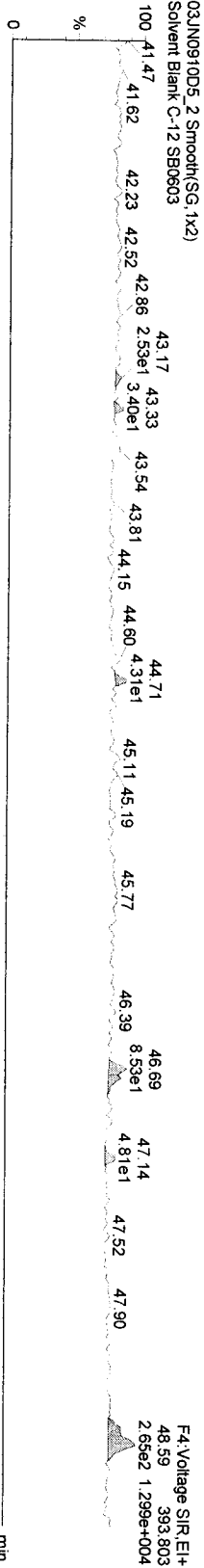


Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

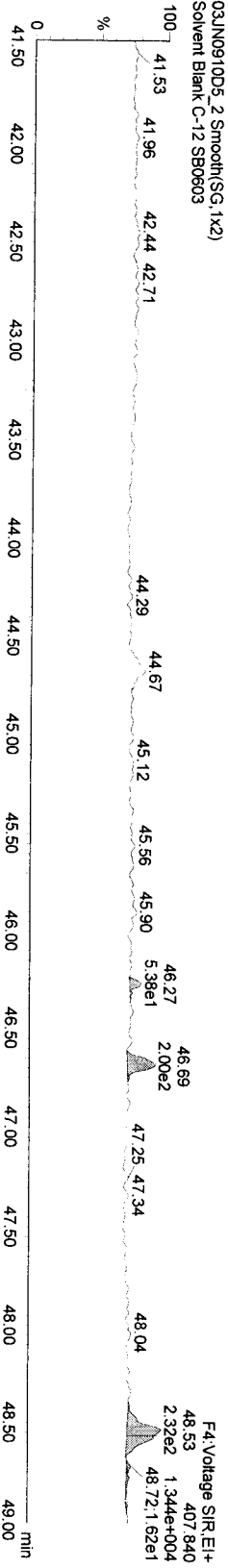
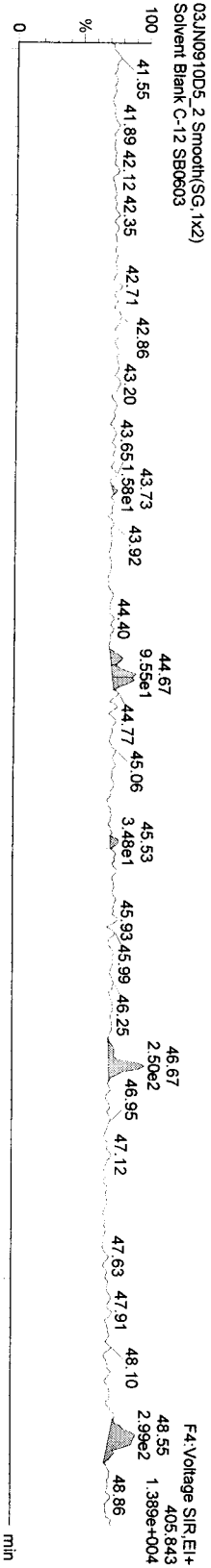
Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_2, Date: 03-Jun-2009, Time: 12:29:08, ID: SB0603, Description: Solvent Blank C-12

**HPPCBs**



**13C-HPPCBs**

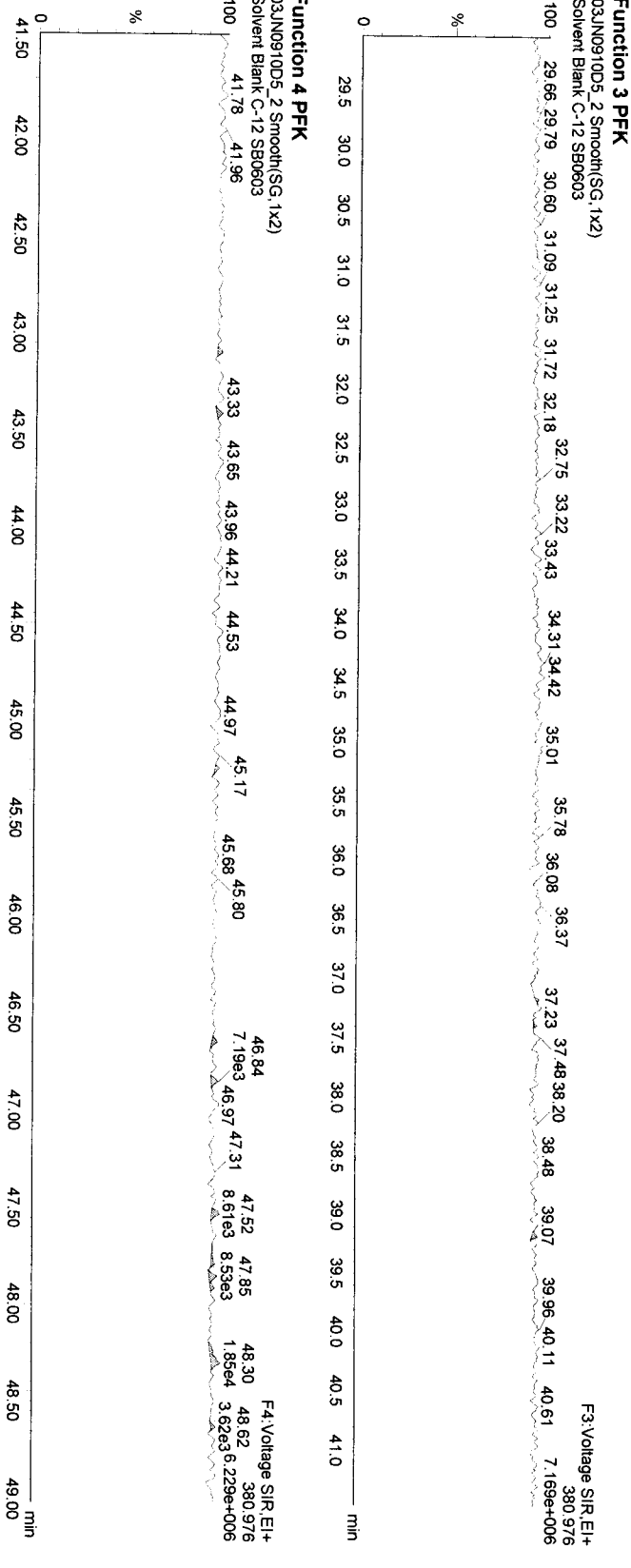
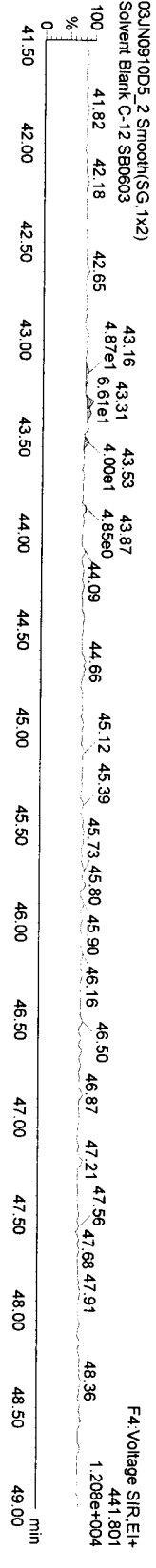
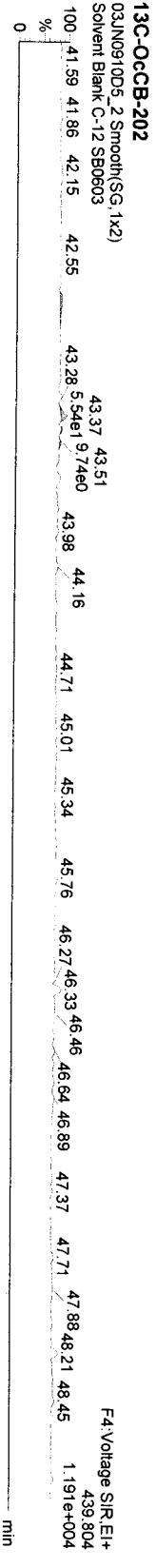


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 10:49:03 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 10:52:21 Pacific Daylight Time

Name: 03JUN0910D5\_2, Date: 03-Jun-2009, Time: 12:29:08, ID: SB0603, Description: Solvent Blank C-12



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 11:40:02 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 11:45:01 Pacific Daylight Time

Name: 03JUN0910D5\_14, Date: 03-Jun-2009, Time: 23:51:22, ID: ST0603A, Description: CS1 09DXN014, Task:

# Name	Trace	Sample Size	RT	Prod RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
1 13C-PeCB-101	335.924	1.000	31.97	32.13	18021	...	1670009.88	92.6657	92.6657	92.7	0.05603	0.64	NO	
2														
3 13C-TeCB-81	301.963	1.000	33.89	33.92	1.03599		1709129.69	98.7876	98.7876	98.8	0.06155	0.80	NO	
4 TeCB-81	289.922	1.000	33.90	33.90	1.44583		25755.31	1.0423	1.0423	104.2	0.01031	0.73	NO	
5 13C-TeCB-77	301.963	1.000	34.57	34.62	1.08641		1789183.50	98.6149	98.6149	98.6	0.05870	0.79	NO	
6 TeCB-77	289.922	1.000	34.59	34.59	1.29292		23124.64	0.9997	0.9997	100.0	0.01142	0.77	NO	
7														
8 13C-PeCB-123	335.924	1.000	36.24	36.25	0.95097		1634456.63	102.9168	102.9168	102.9	0.06358	0.63	NO	
9 PeCB-123	323.883	1.000	36.27	36.25	1.51322		25073.25	1.0138	1.0138	101.4	0.00836	0.60	NO	
10 13C-PeCB-118	335.924	1.000	36.40	36.42	0.97393		1681606.00	103.3900	103.3900	103.4	0.06208	0.63	NO	
11 PeCB-118/106	323.883	1.000	36.44	36.42	1.52848		26632.53	1.0362	1.0362	103.6	0.00818	0.63	NO	
12 13C-PeCB-114	335.924	1.000	37.21	37.21	1.01913		1740721.00	102.2774	102.2774	102.3	0.05933	0.64	NO	
13 PeCB-114	323.883	1.000	37.22	37.22	1.58175		28452.67	1.0334	1.0334	103.3	0.00771	0.62	NO	
14 13C PeCB-105	335.924	1.000	38.26	38.28	0.96994		1670066.06	103.1025	103.1025	103.1	0.06234	0.63	NO	
15 PeCB-105/127	323.883	1.000	38.30	38.28	1.41405		24237.39	1.0263	1.0263	102.6	0.00862	0.61	NO	
16 13C-PeCB-126	335.924	1.000	40.58	40.63	1.05005		1880638.19	107.2445	107.2445	107.2	0.05758	0.63	NO	
17 PeCB-126	323.883	1.000	40.60	40.61	1.18292		21693.58	0.9751	0.9751	97.5	0.00909	0.64	NO	
18														
19 13C-OcCB-202	439.804	1.000	43.37	43.51	22301	...	2041752.31	91.5521	91.5521	91.6	0.01427	0.91	NO	
20														
21 13C-HXCB-167	371.882	1.000	41.93	41.96	0.92060		1843997.75	98.1037	98.1037	98.1	0.04426	1.28	NO	
22 HXCB-167	359.841	1.000	41.96	41.96	1.34432		27576.26	1.1124	1.1124	111.2	0.00751	1.27	NO	
23 13C-HXCB-156	371.882	1.000	43.51	43.54	0.74676		1478373.56	96.9617	96.9617	97.0	0.05456	1.29	NO	
24 HXCB-156	359.841	1.000	43.53	43.54	1.67701		25546.35	1.0304	1.0304	103.0	0.00738	1.24	NO	
25 13C-HXCB-157	371.882	1.000	43.90	43.93	0.78876		1573962.88	97.7341	97.7341	97.7	0.05166	1.28	NO	
26 HXCB-157	359.841	1.000	43.91	43.91	1.65897		26210.64	1.0038	1.0038	100.4	0.00707	1.27	NO	
27 13C-HXCB-169	371.882	1.000	46.11	46.18	0.84240		1697051.69	98.6678	98.6678	98.7	0.04837	1.27	NO	
28 HXCB-169	359.841	1.000	46.14	46.14	1.15392		19210.72	0.9810	0.9810	98.1	0.00921	1.22	NO	
29														
30 13C-HpCB-180	405.843	1.000	44.67	44.69	0.63199		1284824.38	99.5702	99.5702	99.6	0.02784	1.04	NO	
31 HpCB-180	393.803	1.000	44.70	44.70	1.27271		16484.17	1.0081	1.0081	100.8	0.00936	1.00	NO	
32 13C-HpCB-170	405.843	1.000	46.69	46.70	0.51406		1037284.63	98.8288	98.8288	98.8	0.03422	1.05	NO	
33 HpCB-170	393.803	1.000	46.70	46.70	1.58019		17432.48	1.0635	1.0635	106.4	0.00917	1.06	NO	
34 13C-HpCB-189	405.843	1.000	48.55	48.55	0.70062		1401010.19	97.9397	97.9397	97.9	0.02511	1.03	NO	
35 HpCB-189	393.803	1.000	48.56	48.58	1.22015		17112.96	1.0011	1.0011	100.1	0.00798	1.03	NO	

Quantity Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 11:40:02 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 11:45:01 Pacific Daylight Time

Name: 03JUN0910D5\_14, Date: 03-Jun-2009, Time: 23:51:22, ID: ST0603A, Description: CS1 09DXN014, Task:

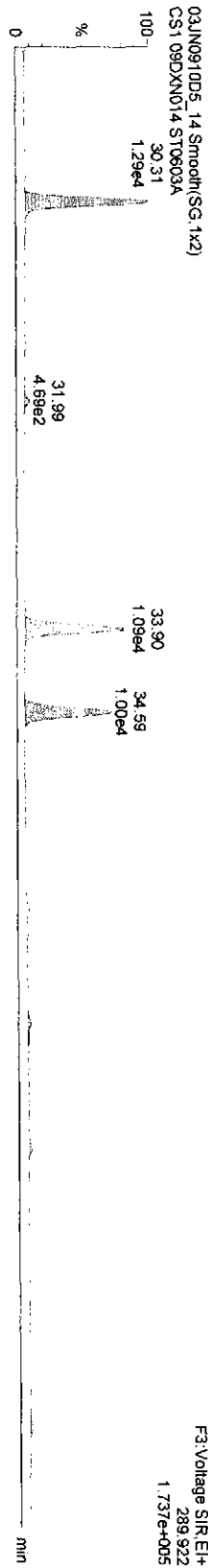
# Name	Trace	Sample Size	RT	Prd RT	RFR M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fi...	Mod Date
36													
37 13C-PeCB-111	335.924	1.000	33.74	33.90	1.28382	2194977.50	99.3160		99.3	0.05084	0.62	NO	
38													
39 Function 3 PFK	380.976	1.000											
40 Function 4 PFK	380.976	1.000											

Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qld

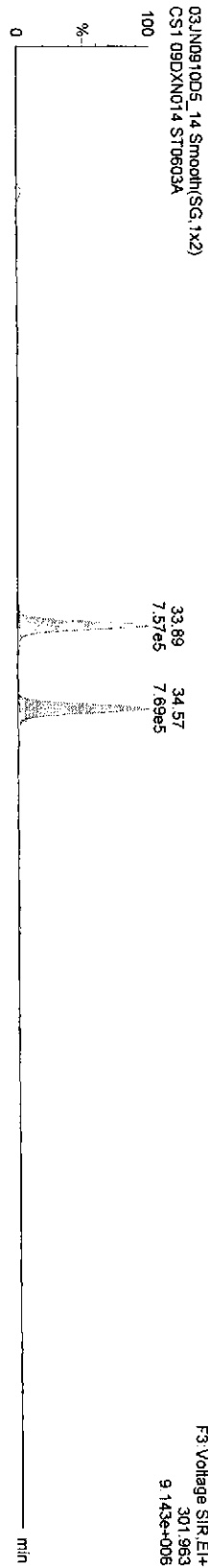
Last Altered: Thursday, June 04, 2009 11:40:02 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 11:42:06 Pacific Daylight Time

Name: 03JUN0910D5\_14, Date: 03-Jun-2009, Time: 23:51:22, ID: ST0603A, Description: CS1 09DXN014

**TetrPCBs**



**13C-TetrPCBs**



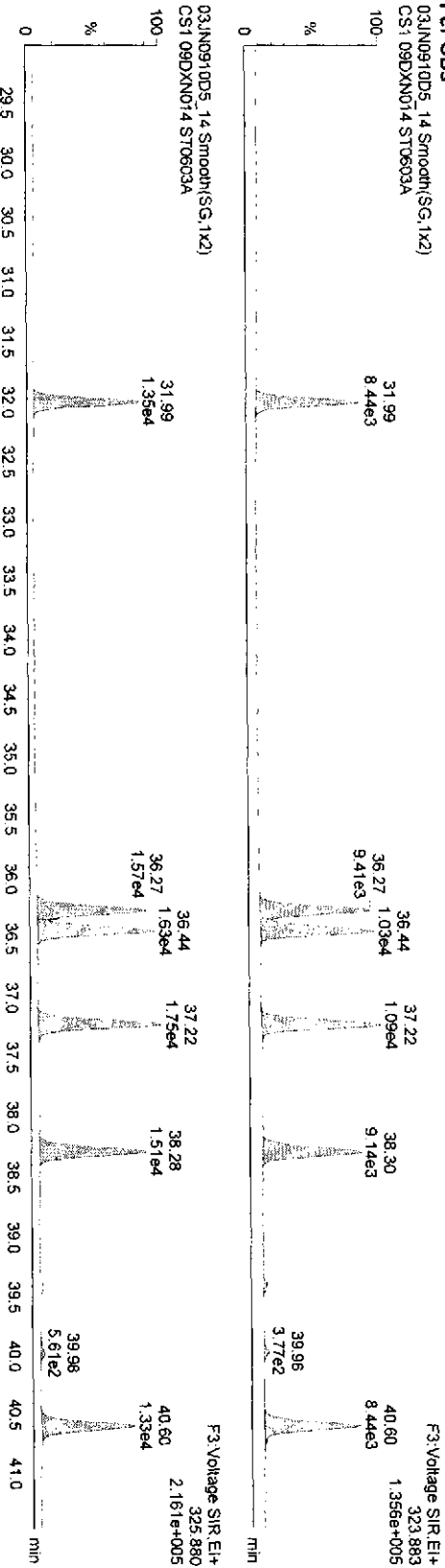


Dataset: C:\MassLynx\Default\pro\03JUN0910D51668MSL.qid

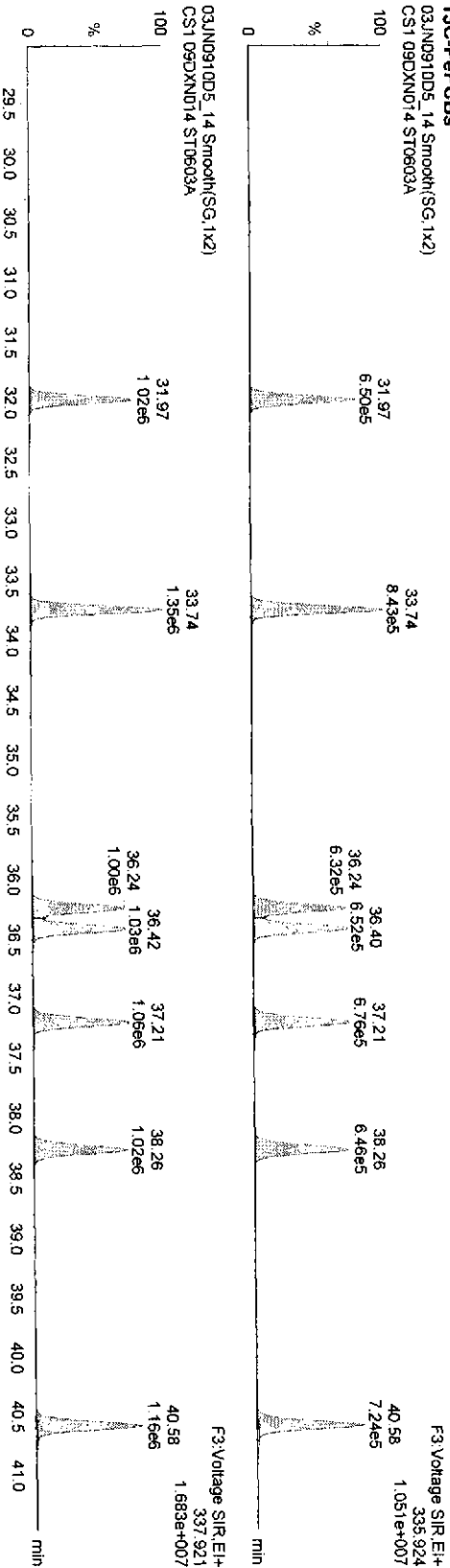
Last Altered: Thursday, June 04, 2009 11:40:02 Pacific Daylight Time  
 Printed: Thursday, June 04, 2009 11:42:06 Pacific Daylight Time

Name: 03JUN0910D5\_14, Date: 03-Jun-2009, Time: 23:51:22, ID: ST0603A, Description: CS1 09DXN014

**PePCBs**



**13C-PePCBs**

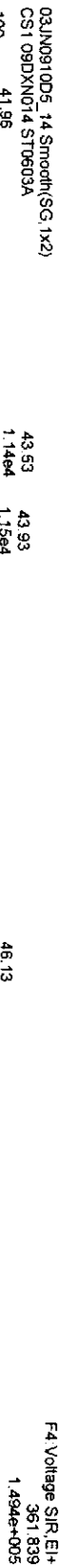
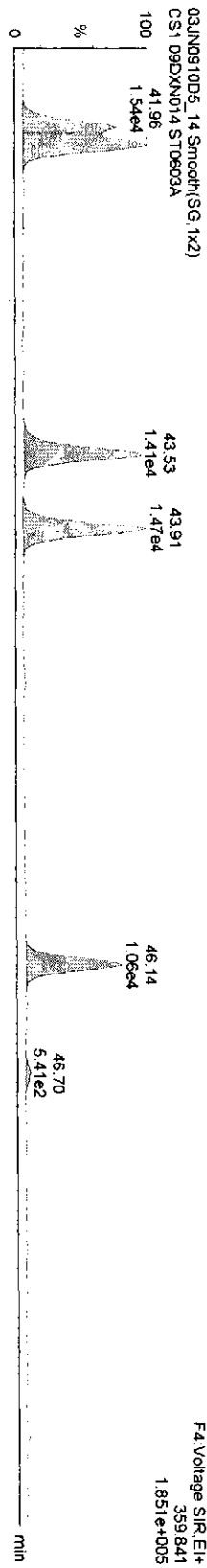


Dataset: C:\Masslynx\Default\proj\03JUN0910D51668MSL.qld

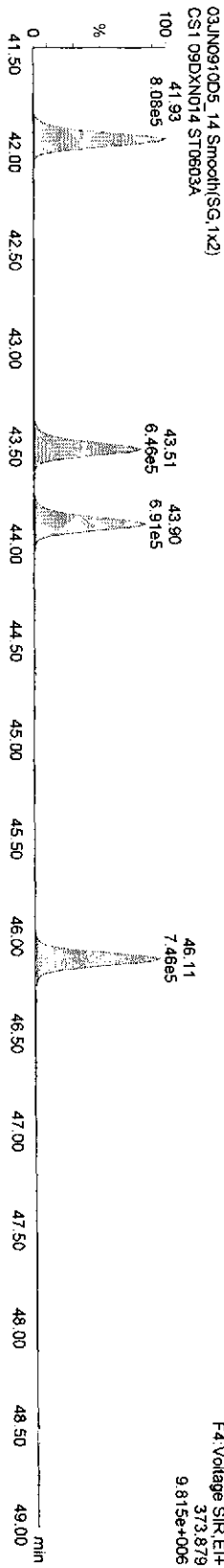
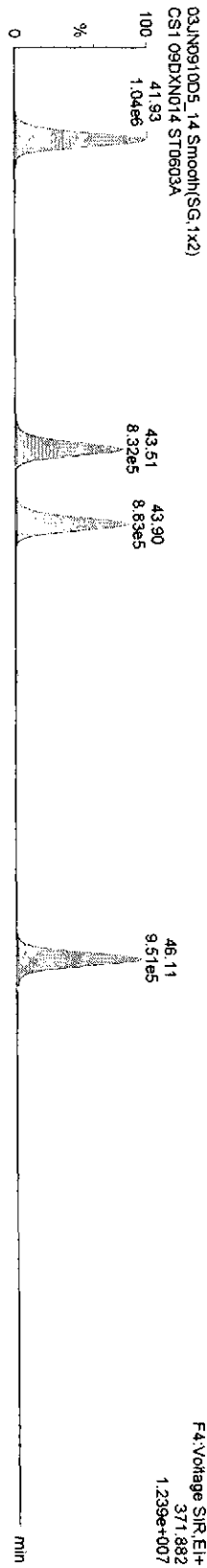
Last Altered: Thursday, June 04, 2009 11:40:02 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 11:42:06 Pacific Daylight Time

Name: 03JUN0910D5\_14, Date: 03-Jun-2009, Time: 23:51:22, ID: ST0603A, Description: CS1 09DXN014

HxPCBs-



13C-HxPCBs

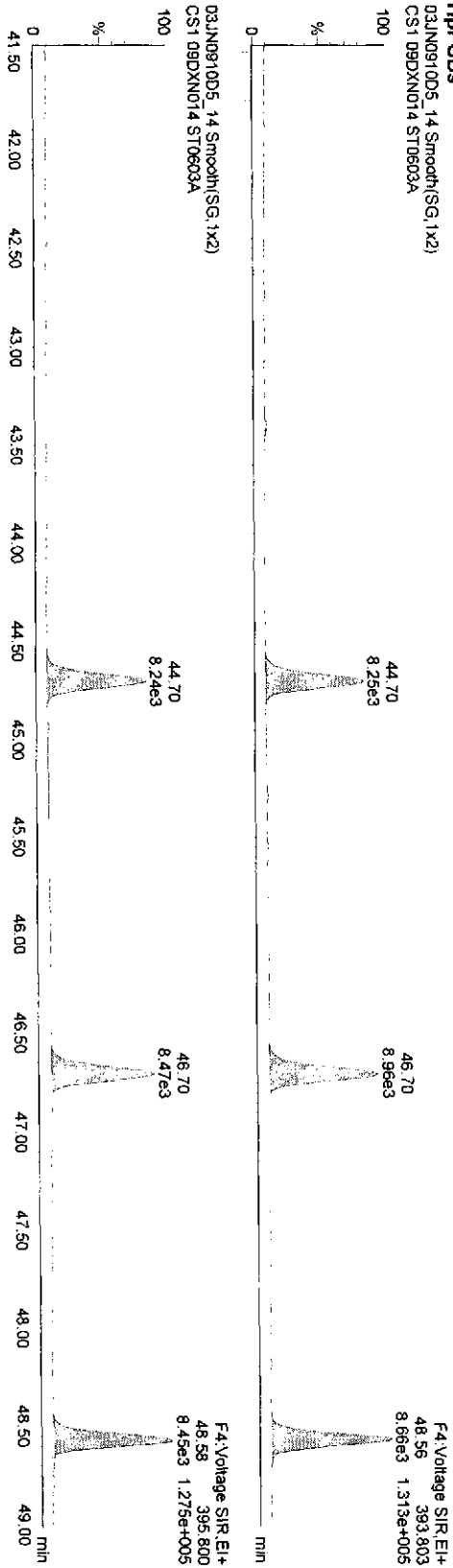


Dataset: C:\MassLynx\Default.pro\03JUN0910D51668MSL.qid

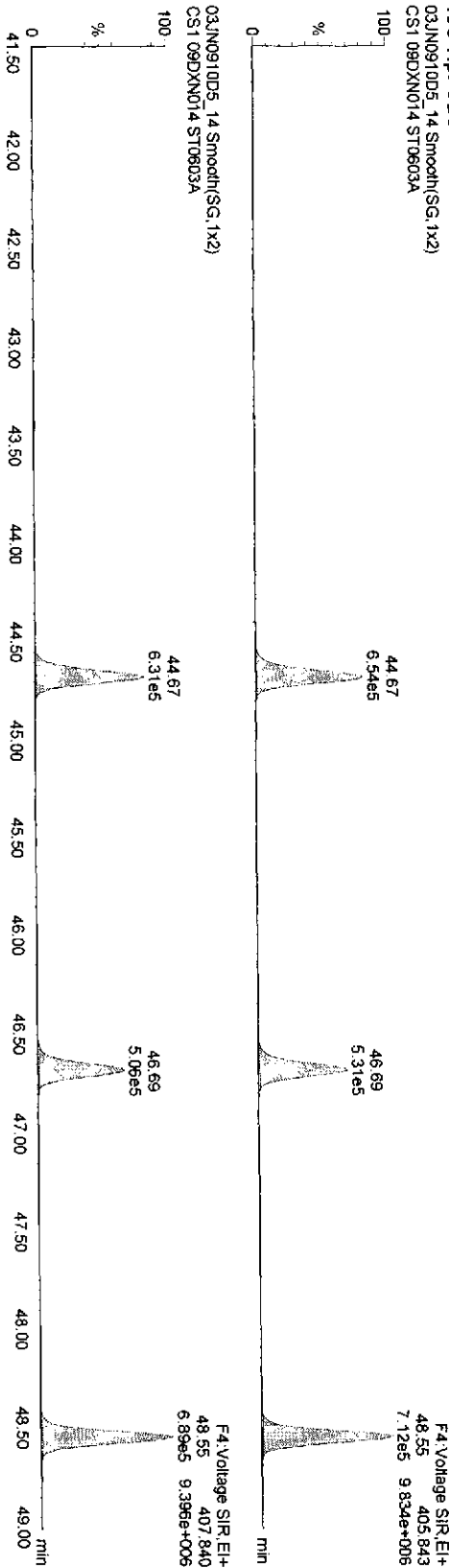
Last Altered: Thursday, June 04, 2009 11:40:02 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 11:42:06 Pacific Daylight Time

Name: 03JUN0910D5\_14, Date: 03-Jun-2009, Time: 23:51:22, ID: ST10603A, Description: CS1 09DXN014

**HPPCBs**



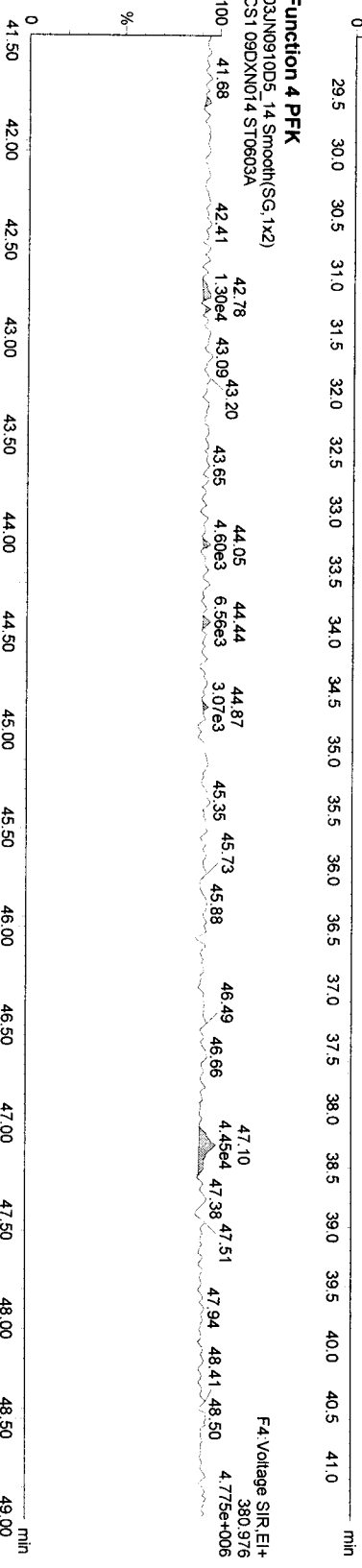
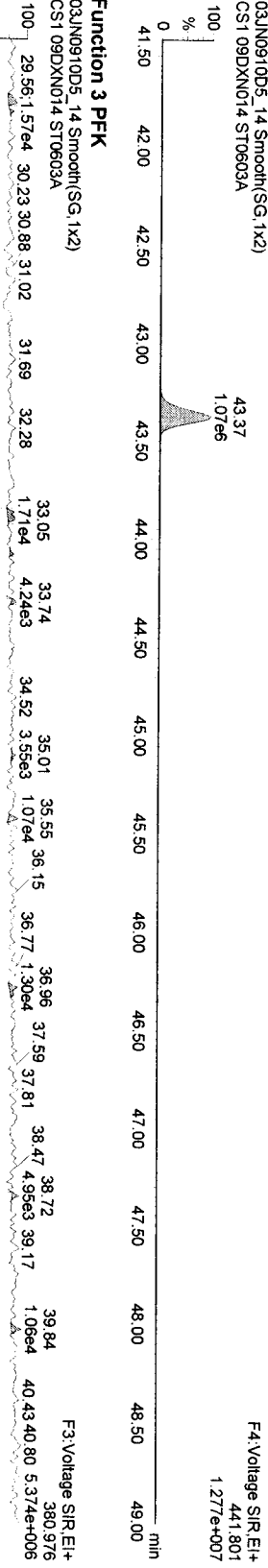
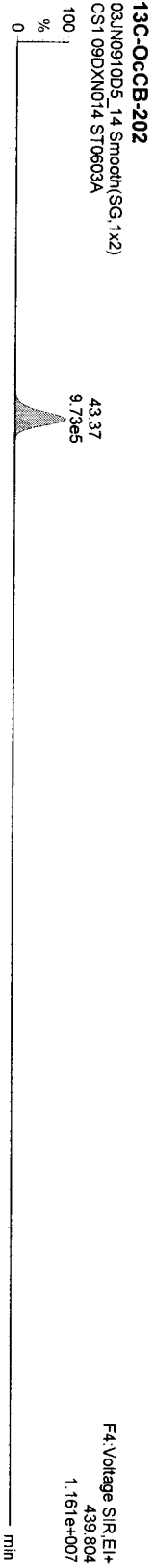
**13C-HPPCBs**



Dataset: C:\MassLynx\Default\proj\03JUN0910D51668MSL.qld

Last Altered: Thursday, June 04, 2009 11:40:02 Pacific Daylight Time  
Printed: Thursday, June 04, 2009 11:42:06 Pacific Daylight Time

Name: 03JUN0910D5\_14, Date: 03-Jun-2009, Time: 23:51:22, ID: ST0603A, Description: CS1 09DXN014



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID ICA0528200910D51668MSL

Method ID 1668M Date Scanned \_\_\_\_\_

Column ID DB-5 Instrument ID 10D5

STD ID's ST0528, ST0528D, ST0528B STD Solution 09DXN(014→018)  
ST0528C, ST0528E

GC Program 1668M10D5 Multiplier Setting 350

Analyzed By SMA Date Analyzed 5-28-09

Prepared By SMA Date Prepared 5-29-09

Reviewed By KSS Date Reviewed 5/29/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

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\*PCB: %RSD not to exceed ±20% for natives and ±40% for labeled compounds; S/N ≥ 2.5  
1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥2.5

Dataset: C:\MassLynx\Default.pro\ICA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 14:02:36 Pacific Daylight Time  
Printed: Friday, May 29, 2009 14:10:52 Pacific Daylight TimeMethod: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 22 May 2009 10:05:00  
Calibration: 29 May 2009 14:02:36

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	18021.87851	2050.71335	11.37902
2				
3	13C-TeCB-81	1.03599	0.02501	2.41419
4	TeCB-81	1.44583	0.00437	0.30224
5	13C-TeCB-77	1.08641	0.02579	2.37393
6	TeCB-77	1.29292	0.02056	1.58985
7				
8	13C-PeCB-123	0.95097	0.02827	2.97237
9	PeCB-123	1.51322	0.02212	1.46152
10	13C-PeCB-118	0.97393	0.03695	3.79401
11	PeCB-118/106	1.52848	0.02627	1.71893
12	13C-PeCB-114	1.01913	0.03962	3.88780
13	PeCB-114	1.58175	0.02479	1.56721
14	13C PeCB-105	0.96994	0.03275	3.37666
15	PeCB-105/127	1.41405	0.02033	1.43796
16	13C-PeCB-126	1.05005	0.04594	4.37465
17	PeCB-126	1.18292	0.02614	2.20937
18				
19	13C-OcCB-202	22301.52450	3167.66285	14.20380
20				
21	13C-HxCB-167	0.92060	0.01264	1.37296
22	HxCB-167	1.34432	0.06662	4.95542
23	13C-HxCB-156	0.74676	0.02195	2.93968
24	HxCB-156	1.67701	0.03279	1.95505
25	13C-HxCB-157	0.78876	0.00924	1.17170
26	HxCB-157	1.65897	0.03279	1.97646
27	13C-HxCB-169	0.84240	0.01605	1.90524
28	HxCB-169	1.15392	0.00861	0.74591
29				
30	13C-HpCB-180	0.63199	0.00526	0.83284
31	HpCB-180	1.27271	0.03767	2.96008
32	13C-HpCB-170	0.51406	0.01057	2.05650
33	HpCB-170	1.58019	0.02915	1.84501
34	13C-HpCB-189	0.70062	0.01369	1.95356
35	HpCB-189	1.22015	0.01845	1.51238
36				
37	13C-PeCB-111	1.28382	0.03552	2.76696
38				
39	Function 3 PFK			
40	Function 4 PFK			

Dataset: C:\MassLynx\Default.pro\ICA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:57:43 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 22 May 2009 10:05:00

Calibration: 29 May 2009 13:49:37

Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1 09DXN014

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.98	100.0	1505538	15055...	0.621	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.87	100.0	1499320	0.99587	0.804	NO	
4	TeCB-81	289.922	33.89	1.0	21729	1.44926	0.680	NO	
5	13C-TeCB-77	301.963	34.56	100.0	1571163	1.04359	0.799	NO	
6	TeCB-77	289.922	34.58	1.0	20417	1.29948	0.796	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.24	100.0	1356845	0.90124	0.628	NO	
9	PeCB-123	323.883	36.25	1.0	20056	1.47813	0.632	NO	
10	13C-PeCB-118	335.924	36.40	100.0	1367557	0.90835	0.631	NO	
11	PeCB-118/106	323.883	36.42	1.0	21031	1.53782	0.626	NO	
12	13C-PeCB-114	335.924	37.19	100.0	1428865	0.94907	0.638	NO	
13	PeCB-114	323.883	37.21	1.0	23059	1.61380	0.617	NO	
14	13C PeCB-105	335.924	38.27	100.0	1376830	0.91451	0.631	NO	
15	PeCB-105/127	323.883	38.28	1.0	19559	1.42057	0.665	NO	
16	13C-PeCB-126	335.924	40.56	100.0	1459447	0.96939	0.633	NO	
17	PeCB-126	323.883	40.58	1.0	16639	1.14008	0.635	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.37	100.0	1722276	17222...	0.906	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.93	100.0	1557764	0.90448	1.278	NO	
22	HxCB-167	359.841	41.95	1.0	21705	1.39336	1.182	NO	
23	13C-HxCB-156	371.882	43.50	100.0	1239747	0.71983	1.277	NO	
24	HxCB-156	359.841	43.53	1.0	21256	1.71455	1.316	NO	
25	13C-HxCB-157	371.882	43.88	100.0	1340422	0.77828	1.282	NO	
26	HxCB-157	359.841	43.92	1.0	22858	1.70526	1.238	NO	
27	13C-HxCB-169	371.882	46.10	100.0	1457843	0.84646	1.292	NO	
28	HxCB-169	359.841	46.13	1.0	16815	1.15339	1.122	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.67	100.0	1080103	0.62714	1.040	NO	
31	HpCB-180	393.803	44.69	1.0	14298	1.32373	1.114	NO	
32	13C-HpCB-170	405.843	46.67	100.0	902463	0.52399	1.050	NO	
33	HpCB-170	393.803	46.70	1.0	14394	1.59493	1.025	NO	
34	13C-HpCB-189	405.843	48.55	100.0	1240090	0.72003	1.043	NO	
35	HpCB-189	393.803	48.56	1.0	14936	1.20439	1.068	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.74	100.0	1880007	1.34487	0.633	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					



Dataset: C:\MassLynx\Default.pro\ICA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 14:02:36 Pacific Daylight Time

Printed: Friday, May 29, 2009 14:10:26 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 22 May 2009 10:05:00

Calibration: 29 May 2009 14:02:36

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2 09DXN015

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.99	100.0	1671786	16717	0.628	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.89	100.0	1723875	1.03116	0.794	NO	
4	TeCB-81	289.922	33.90	5.0	124777	1.44763	0.761	NO	
5	13C-TeCB-77	301.963	34.57	100.0	1812491	1.08416	0.783	NO	
6	TeCB-77	289.922	34.59	5.0	114793	1.26669	0.745	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.25	100.0	1615057	0.96607	0.633	NO	
9	PeCB-123	323.883	36.27	5.0	123319	1.52711	0.602	NO	
10	13C-PeCB-118	335.924	36.42	100.0	1652281	0.98833	0.627	NO	
11	PeCB-118/106	323.883	36.44	5.0	128890	1.56015	0.606	NO	
12	13C-PeCB-114	335.924	37.21	100.0	1738717	1.04004	0.637	NO	
13	PeCB-114	323.883	37.22	5.0	139002	1.59890	0.615	NO	
14	13C PeCB-105	335.924	38.28	100.0	1649787	0.98684	0.633	NO	
15	PeCB-105/127	323.883	38.30	5.0	118647	1.43833	0.605	NO	
16	13C-PeCB-126	335.924	40.58	100.0	1798365	1.07572	0.624	NO	
17	PeCB-126	323.883	40.60	5.0	106251	1.18164	0.616	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.39	100.0	2118365	21183	0.913	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.95	100.0	1933172	0.91258	1.264	NO	
22	HxCB-167	359.841	41.98	5.0	138745	1.43541	1.258	NO	29-May-09 ✓
23	13C-HxCB-156	371.882	43.53	100.0	1650220	0.77901	1.297	NO	
24	HxCB-156	359.841	43.54	5.0	140885	1.70747	1.235	NO	
25	13C-HxCB-157	371.882	43.91	100.0	1686413	0.79609	1.278	NO	
26	HxCB-157	359.841	43.93	5.0	141687	1.68034	1.206	NO	
27	13C-HxCB-169	371.882	46.13	100.0	1751611	0.82687	1.306	NO	
28	HxCB-169	359.841	46.14	5.0	101140	1.15482	1.252	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.69	100.0	1335736	0.63055	1.043	NO	
31	HpCB-180	393.803	44.72	5.0	86786	1.29945	1.038	NO	
32	13C-HpCB-170	405.843	46.70	100.0	1073509	0.50676	1.046	NO	
33	HpCB-170	393.803	46.72	5.0	87214	1.62484	1.015	NO	
34	13C-HpCB-189	405.843	48.56	100.0	1462046	0.69018	1.035	NO	
35	HpCB-189	393.803	48.58	5.0	88785	1.21453	1.017	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.75	100.0	2152927	1.27329	0.625	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0528200910D51668MSL.qid

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:57:43 Pacific Daylight Time

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2 09DXN015

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act.)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.99	100.0	1671786	16717....	0.628	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.89	100.0	1723875	1.03116	0.794	NO	
4	TeCB-81	289.922	33.90	5.0	124777	1.44763	0.761	NO	
5	13C-TeCB-77	301.963	34.57	100.0	1812491	1.08416	0.783	NO	
6	TeCB-77	289.922	34.59	5.0	114793	1.26669	0.745	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.25	100.0	1615057	0.96607	0.633	NO	
9	PeCB-123	323.883	36.27	5.0	123319	1.52711	0.602	NO	
10	13C-PeCB-118	335.924	36.42	100.0	1652281	0.98833	0.627	NO	
11	PeCB-118/106	323.883	36.44	5.0	128890	1.56015	0.606	NO	
12	13C-PeCB-114	335.924	37.21	100.0	1738717	1.04004	0.637	NO	
13	PeCB-114	323.883	37.22	5.0	139002	1.59890	0.615	NO	
14	13C PeCB-105	335.924	38.28	100.0	1649787	0.98684	0.633	NO	
15	PeCB-105/127	323.883	38.30	5.0	118647	1.43833	0.605	NO	
16	13C-PeCB-126	335.924	40.58	100.0	1798365	1.07572	0.624	NO	
17	PeCB-126	323.883	40.60	5.0	106251	1.18164	0.616	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.39	100.0	2118365	21183....	0.913	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.95	100.0	1933172	0.91258	1.264	NO	
22	HxCB-167	359.841	41.98	5.0	131341	1.35881	1.430	YES	
23	13C-HxCB-156	371.882	43.53	100.0	1650220	0.77901	1.297	NO	
24	HxCB-156	359.841	43.54	5.0	140885	1.70747	1.235	NO	
25	13C-HxCB-157	371.882	43.91	100.0	1686413	0.79609	1.278	NO	
26	HxCB-157	359.841	43.93	5.0	141687	1.68034	1.206	NO	
27	13C-HxCB-169	371.882	46.13	100.0	1751611	0.82687	1.306	NO	
28	HxCB-169	359.841	46.14	5.0	101140	1.15482	1.252	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.69	100.0	1335736	0.63055	1.043	NO	
31	HpCB-180	393.803	44.72	5.0	86786	1.29945	1.038	NO	
32	13C-HpCB-170	405.843	46.70	100.0	1073509	0.50676	1.046	NO	
33	HpCB-170	393.803	46.72	5.0	87214	1.62484	1.015	NO	
34	13C-HpCB-189	405.843	48.56	100.0	1462046	0.69018	1.035	NO	
35	HpCB-189	393.803	48.58	5.0	88785	1.21453	1.017	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.75	100.0	2152927	1.27329	0.625	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset: C:\MassLynx\Default.pro\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:57:43 Pacific Daylight Time

Name: 28MY0910D5\_3, Date: 28-May-2009, Time: 11:05:48, ID: ST0528B, Description: CS-3 09DXN016

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act.)	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.97	100.0	1911614	19116...	0.632	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.87	100.0	1999243	1.04584	0.798	NO	
4	TeCB-81	289.922	33.89	50.0	1443097	1.44364	0.753	NO	
5	13C-TeCB-77	301.963	34.56	100.0	2108278	1.10288	0.803	NO	
6	TeCB-77	289.922	34.59	50.0	1378394	1.30760	0.757	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.24	100.0	1844611	0.96495	0.631	NO	
9	PeCB-123	323.883	36.27	50.0	1389088	1.50610	0.614	NO	
10	13C-PeCB-118	335.924	36.40	100.0	1886498	0.98686	0.640	NO	
11	PeCB-118/106	323.883	36.44	50.0	1450837	1.53813	0.622	NO	
12	13C-PeCB-114	335.924	37.19	100.0	1996025	1.04416	0.637	NO	
13	PeCB-114	323.883	37.22	50.0	1571245	1.57437	0.608	NO	
14	13C PeCB-105	335.924	38.26	100.0	1859526	0.97275	0.642	NO	
15	PeCB-105/127	323.883	38.28	50.0	1325338	1.42546	0.614	NO	
16	13C-PeCB-126	335.924	40.56	100.0	2049367	1.07206	0.625	NO	
17	PeCB-126	323.883	40.60	50.0	1228636	1.19904	0.610	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.37	100.0	2396656	23966...	0.911	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.93	100.0	2247102	0.93760	1.275	NO	
22	HxCB-167	359.841	41.96	50.0	1468896	1.30737	1.073	NO	
23	13C-HxCB-156	371.882	43.51	100.0	1781541	0.74334	1.268	NO	
24	HxCB-156	359.841	43.53	50.0	1469535	1.64974	1.228	NO	
25	13C-HxCB-157	371.882	43.90	100.0	1894786	0.79060	1.270	NO	
26	HxCB-157	359.841	43.91	50.0	1544353	1.63011	1.236	NO	
27	13C-HxCB-169	371.882	46.11	100.0	2023062	0.84412	1.275	NO	
28	HxCB-169	359.841	46.13	50.0	1164875	1.15160	1.242	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.67	100.0	1516743	0.63286	1.042	NO	
31	HpCB-180	393.803	44.70	50.0	953971	1.25792	1.038	NO	
32	13C-HpCB-170	405.843	46.69	100.0	1218612	0.50846	1.047	NO	
33	HpCB-170	393.803	46.70	50.0	951085	1.56093	1.028	NO	
34	13C-HpCB-189	405.843	48.55	100.0	1657888	0.69175	1.040	NO	
35	HpCB-189	393.803	48.58	50.0	1031413	1.24425	1.044	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.74	100.0	2427452	1.25957	0.629	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:57:43 Pacific Daylight Time

Name: 28MY0910D5\_4, Date: 28-May-2009, Time: 12:01:57, ID: ST0528C, Description: CS-4 09DXN017

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.97	100.0	1980922	19809...	0.637	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.87	100.0	2069418	1.04467	0.787	NO	
4	TeCB-81	289.922	33.90	200.0	5956686	1.43922	0.762	NO	
5	13C-TeCB-77	301.963	34.57	100.0	2163726	1.09228	0.783	NO	
6	TeCB-77	289.922	34.59	200.0	5523116	1.27630	0.756	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.25	100.0	1891316	0.95477	0.626	NO	
9	PeCB-123	323.883	36.27	200.0	5753490	1.52103	0.607	NO	
10	13C-PeCB-118	335.924	36.42	100.0	1956732	0.98779	0.637	NO	
11	PeCB-118/106	323.883	36.44	200.0	5834986	1.49100	0.615	NO	
12	13C-PeCB-114	335.924	37.21	100.0	2036942	1.02828	0.634	NO	
13	PeCB-114	323.883	37.22	200.0	6317145	1.55064	0.615	NO	
14	13C PeCB-105	335.924	38.26	100.0	1932970	0.97579	0.634	NO	
15	PeCB-105/127	323.883	38.30	200.0	5385373	1.39303	0.606	NO	
16	13C-PeCB-126	335.924	40.58	100.0	2090785	1.05546	0.635	NO	
17	PeCB-126	323.883	40.60	200.0	4958950	1.18591	0.615	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.39	100.0	2472984	24729...	0.905	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.95	100.0	2284663	0.92385	1.284	NO	
22	HxCB-167	359.841	41.96	200.0	5845603	1.27931	1.242	NO	
23	13C-HxCB-156	371.882	43.51	100.0	1823020	0.73717	1.295	NO	
24	HxCB-156	359.841	43.54	200.0	5989271	1.64268	1.244	NO	
25	13C-HxCB-157	371.882	43.90	100.0	1929151	0.78009	1.285	NO	
26	HxCB-157	359.841	43.93	200.0	6296654	1.63198	1.238	NO	
27	13C-HxCB-169	371.882	46.11	100.0	2048275	0.82826	1.275	NO	
28	HxCB-169	359.841	46.14	200.0	4681935	1.14290	1.254	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.69	100.0	1555024	0.62880	1.043	NO	
31	HpCB-180	393.803	44.70	200.0	3832777	1.23239	1.038	NO	
32	13C-HpCB-170	405.843	46.69	100.0	1246736	0.50414	1.053	NO	
33	HpCB-170	393.803	46.72	200.0	3896486	1.56268	1.041	NO	
34	13C-HpCB-189	405.843	48.56	100.0	1708696	0.69094	1.044	NO	
35	HpCB-189	393.803	48.58	200.0	4111188	1.20302	1.030	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.74	100.0	2541498	1.28245	0.626	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset: C:\MassLynx\Default.pro\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:57:43 Pacific Daylight Time

Name: 28MY0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST0528E, Description: CS-5 09DXN018

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act..	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.97	100.0	1941080	19410....	0.637	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.87	100.0	2062176	1.06239	0.791	NO	
4	TeCB-81	289.922	33.89	500.0	14944819	1.44942	0.757	NO	
5	13C-TeCB-77	301.963	34.57	100.0	2152912	1.10913	0.807	NO	
6	TeCB-77	289.922	34.59	500.0	14150347	1.31453	0.753	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.25	100.0	1878666	0.96785	0.635	NO	
9	PeCB-123	323.883	36.27	500.0	14406717	1.53372	0.610	NO	
10	13C-PeCB-118	335.924	36.42	100.0	1937793	0.99831	0.639	NO	
11	PeCB-118/106	323.883	36.44	500.0	14681746	1.51531	0.611	NO	
12	13C-PeCB-114	335.924	37.21	100.0	2007295	1.03411	0.635	NO	
13	PeCB-114	323.883	37.22	500.0	15767612	1.57103	0.619	NO	
14	13C-PeCB-105	335.924	38.26	100.0	1940652	0.99978	0.627	NO	
15	PeCB-105/127	323.883	38.30	500.0	13515113	1.39284	0.617	NO	
16	13C-PeCB-126	335.924	40.58	100.0	2091790	1.07764	0.635	NO	
17	PeCB-126	323.883	40.60	500.0	12633873	1.20795	0.616	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.39	100.0	2440482	24404....	0.906	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.95	100.0	2256245	0.92451	1.297	NO	
22	HxCB-167	359.841	41.96	500.0	14734866	1.30614	1.246	NO	
23	13C-HxCB-156	371.882	43.51	100.0	1841205	0.75444	1.283	NO	
24	HxCB-156	359.841	43.54	500.0	15379881	1.67063	1.247	NO	
25	13C-HxCB-157	371.882	43.90	100.0	1949315	0.79874	1.287	NO	
26	HxCB-157	359.841	43.93	500.0	16054331	1.64718	1.232	NO	
27	13C-HxCB-169	371.882	46.11	100.0	2114117	0.86627	1.280	NO	
28	HxCB-169	359.841	46.14	500.0	12334753	1.16689	1.250	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.69	100.0	1563395	0.64061	1.046	NO	
31	HpCB-180	393.803	44.70	500.0	9771591	1.25005	1.040	NO	
32	13C-HpCB-170	405.843	46.69	100.0	1285942	0.52692	1.044	NO	
33	HpCB-170	393.803	46.72	500.0	10014740	1.55757	1.039	NO	
34	13C-HpCB-189	405.843	48.56	100.0	1733164	0.71017	1.037	NO	
35	HpCB-189	393.803	48.58	500.0	10698547	1.23457	1.049	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.74	100.0	2481652	1.25893	0.625	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\28MY0910D5.SPL  
Last Modified: Thursday, May 28, 2009 18:20:18 Pacific Daylight Time  
Printed: Thursday, May 28, 2009 18:20:24 Pacific Daylight Time

Page 1 of 3

Page Position (1, 1)

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1	28MY0910D5_1	CS-1 09DXN014	ST0528	---	---	1.000000	---	1.00
2	28MY0910D5_2	CS-2 09DXN015	ST0528A	wrong vial cs-3	---	1.000000	---	1.00
3	28MY0910D5_3	CS-3 09DXN016	ST0528B	---	---	1.000000	---	1.00
4	28MY0910D5_4	CS-4 09DXN017	ST0528C	---	---	1.000000	---	1.00
5	28MY0910D5_5	CS-2 09DXN015	ST0528D	---	---	1.000000	---	1.00
6	28MY0910D5_6	CS-5 09DXN018	ST0528E	---	---	1.000000	---	1.00
7	28MY0910D5_7	Solvent Blank C-12	SB0528	---	---	1.000000	---	1.00
8	28MY0910D5_8	2nd Source 09DXN055	ST0528F	---	---	1.000000	---	1.00
9	28MY0910D5_9	CS-3 09DXN016	ST0528G	---	---	1.000000	---	1.00
10	28MY0910D5_10	Solvent Blank C-12	SB0528A	---	---	1.000000	---	1.00
11	28MY0910D5_11	G9D270149-1MBRX	LDR4A-1-AAB	1668/WASTE	54	0.100000	Samp	20
12	28MY0910D5_12	G9D270149-1LCSRX	LDR4A-1-ACC	1668/WASTE	---	0.100000	Samp	20
13	28MY0910D5_13	G9D270149-1RX	LAVAW-2-AC	1668/WASTE	---	0.119000	Samp	20
14	28MY0910D5_14	Solvent Blank C-12	SB0528B	---	---	1.000000	---	1.00
15	28MY0910D5_15	G9E190206-1MB	LDKET-1-AAB	1668/SOLID	53	2.000000	g	20
16	28MY0910D5_16	G9E190206-1LCS	LDKET-1-ACC	1668/SOLID	---	2.000000	g	20
17	28MY0910D5_17	G9E190206-1	LDA98-1-AE	1668/SOLID	---	2.060000	g	20
18	28MY0910D5_18	G9E190206-1MS	LDA98-1-AKS	1668/SOLID	---	2.150000	g	20
19	28MY0910D5_19	G9E190206-1SD	LDA98-1-ALD	1668/SOLID	---	2.130000	g	20
20	28MY0910D5_20	Solvent Blank C-12	SB0528C	---	---	1.000000	---	1.00
21	28MY0910D5_21	QC 052809 PCB SPIKE	PCB SPIKE QC	---	---	1.000000	---	1.00

Log file checked  
5-29-09  
SMA

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\28MY0910D5.SPL

Page 2 of 3

Last Modified: Thursday, May 28, 2009 18:20:18 Pacific Daylight Time

Printed: Thursday, May 28, 2009 18:20:24 Pacific Daylight Time

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	1	2	100	100
Tray1:2	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:3	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:4	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	200	400	100	100
Tray1:5	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	5	10	100	100
Tray1:6	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	500	1000	100	100
Tray1:7	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:10	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:11	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:15	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:16	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:21	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\28MY0910D5.SPL  
Last Modified: Thursday, May 28, 2009 18:20:18 Pacific Daylight Time  
Printed: Thursday, May 28, 2009 18:20:24 Pacific Daylight Time

Page 3 of 3

Page Position (3, 1)

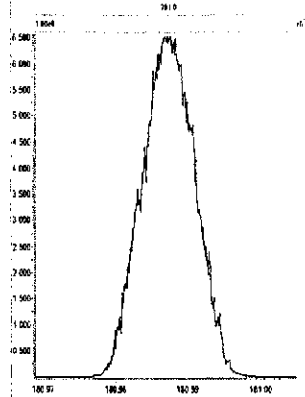
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100	---	---	---	---	---	---
100	---	---	---	---	---	---
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100	---	---	---	---	---	---
100	---	---	---	---	---	---
100	---	---	---	---	---	---
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2000	---	---	---	---	---	---
100	---	---	---	---	---	---
---	---	---	---	---	---	---
2000	---	---	---	---	---	---
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2000	---	---	---	---	---	---
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2000	---	---	---	---	---	---



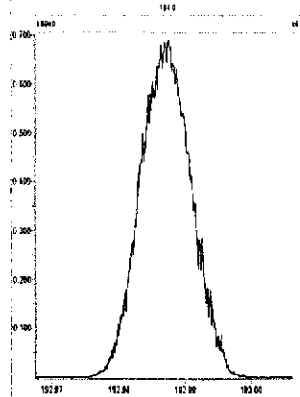
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Printed: Thursday, May 28, 2009 08:58:47 Pacific Daylight Time

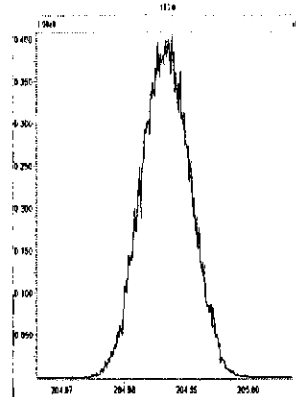
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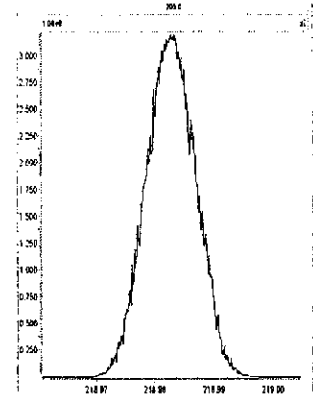
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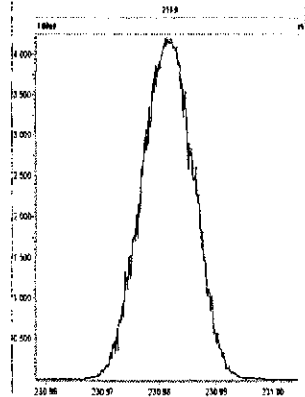
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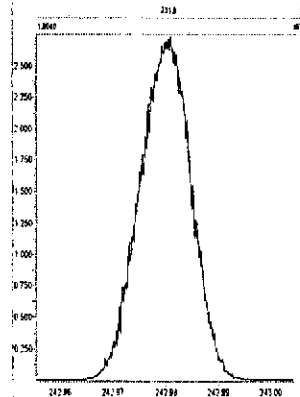
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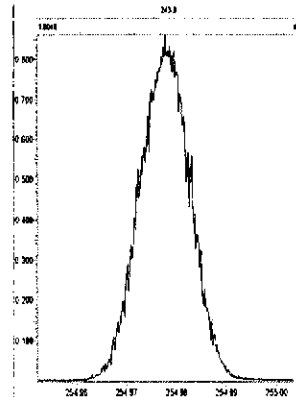
M 230.9856 R 11259



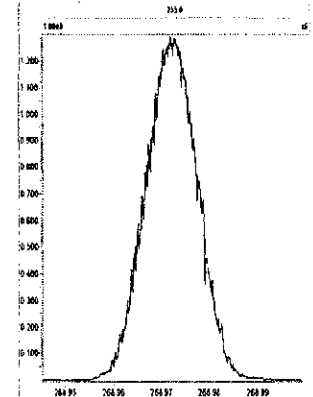
M 242.9856 R 10964



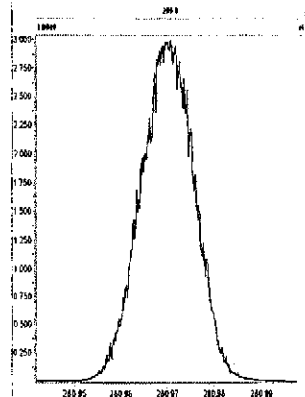
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M 268.9824 R 11060



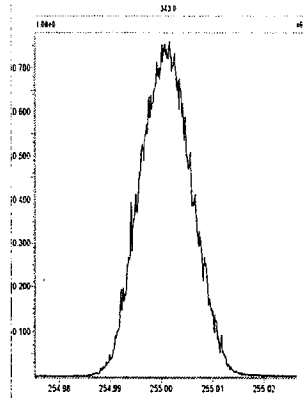
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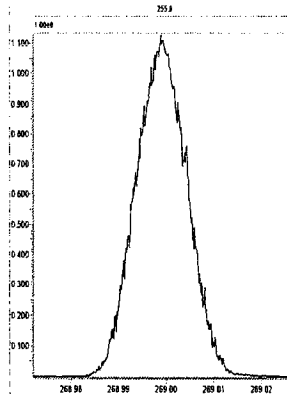
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Printed: Thursday, May 28, 2009 09:00:44 Pacific Daylight Time

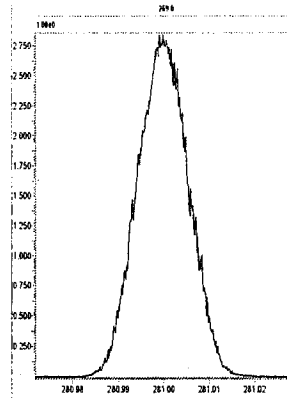
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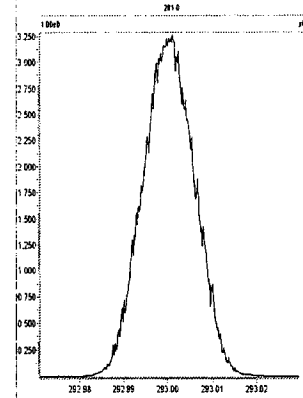
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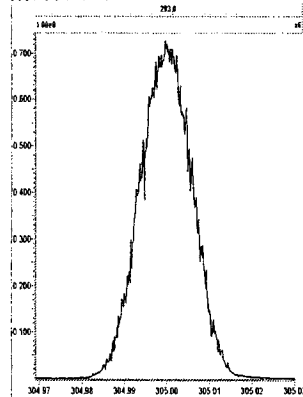
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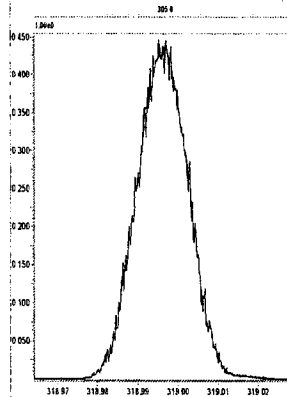
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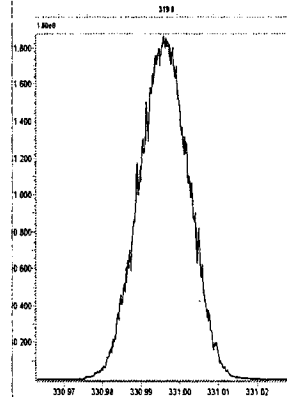
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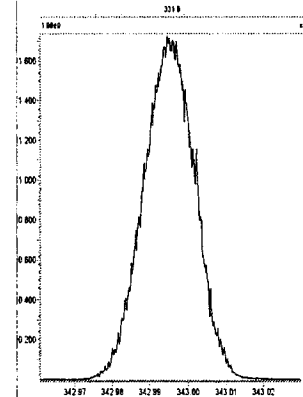
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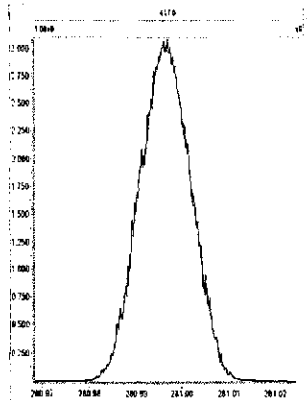
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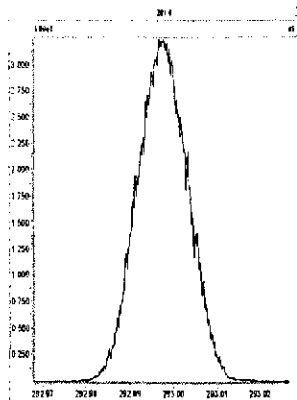
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Printed: Thursday, May 28, 2009 09:01:39 Pacific Daylight Time

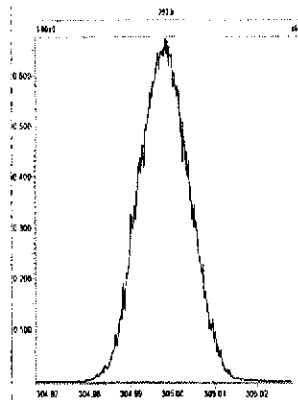
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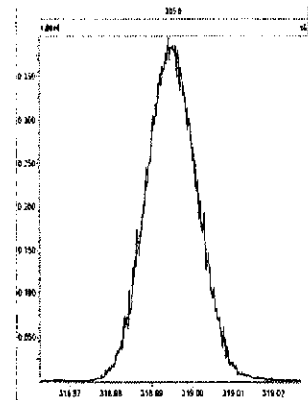
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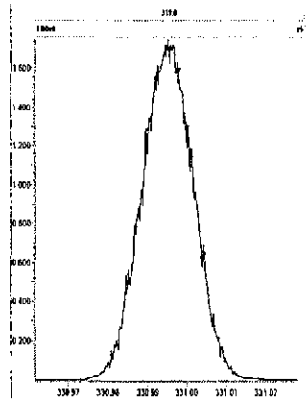
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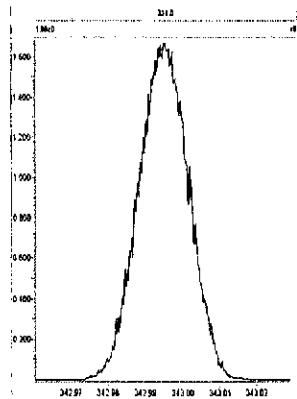
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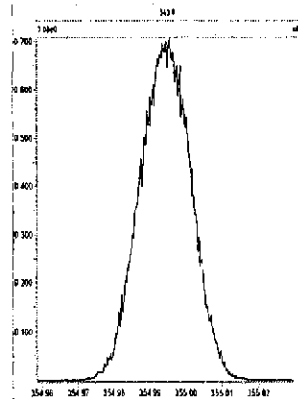
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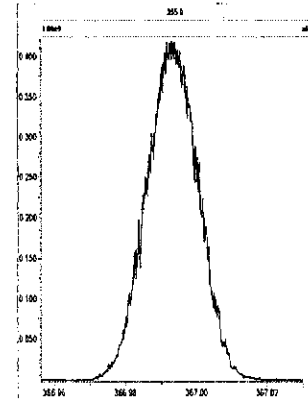
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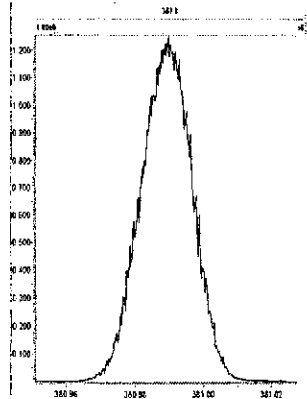
M 354.9792 R 11113



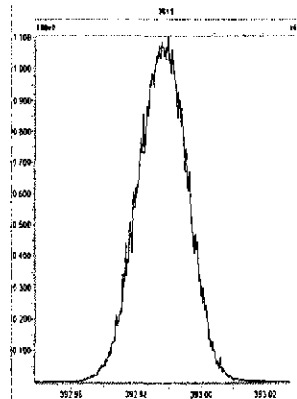
M 366.9792 R 11261



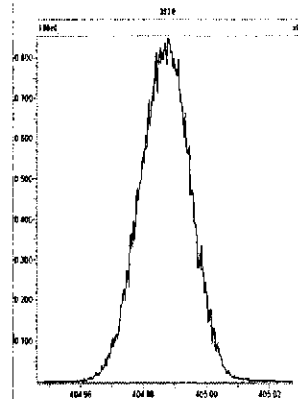
M 380.9760 R 11160



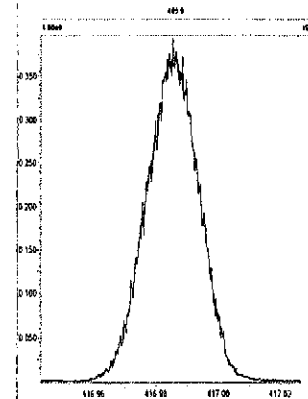
M 392.9760 R 11212



M 404.9760 R 10965



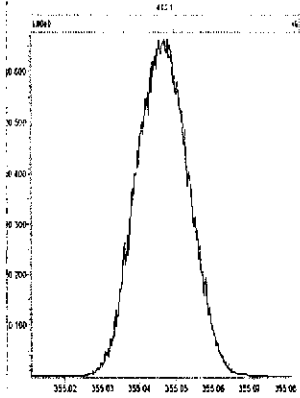
M 416.9760 R 11064



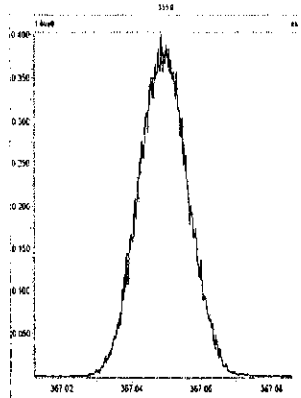
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, May 28, 2009 09:02:48 Pacific Daylight Time

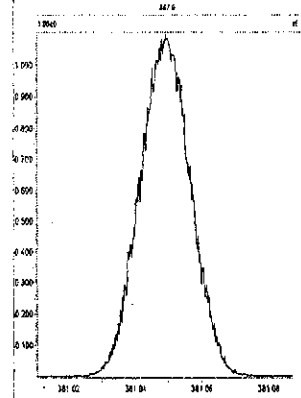
M 354.9792 R 10964



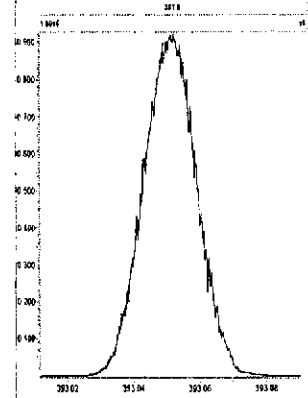
M 366.9792 R 10967



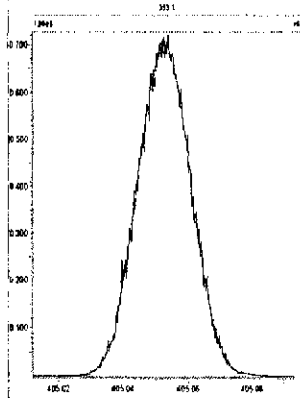
M 380.9760 R 11161



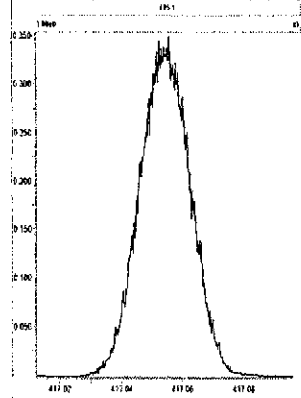
M 392.9760 R 10683



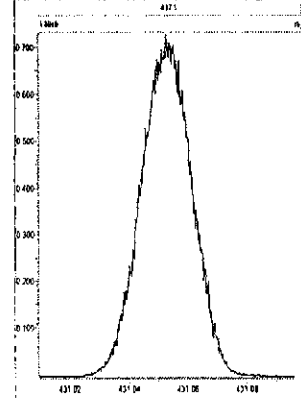
M 404.9760 R 10963



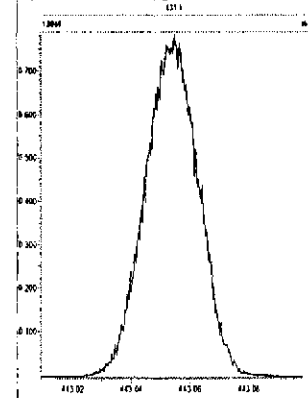
M 416.9760 R 11058



M 430.9728 R 11110



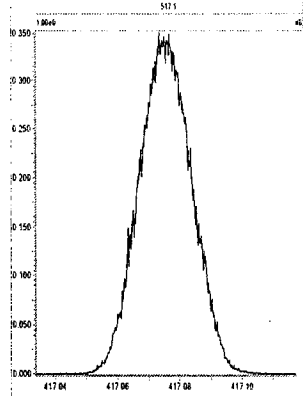
M 442.9728 R 11159



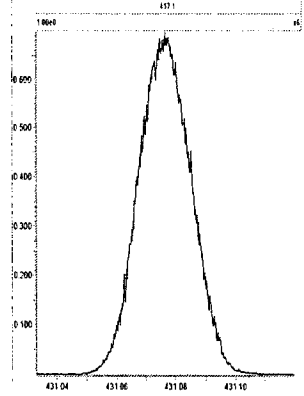
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, May 28, 2009 09:03:58 Pacific Daylight Time

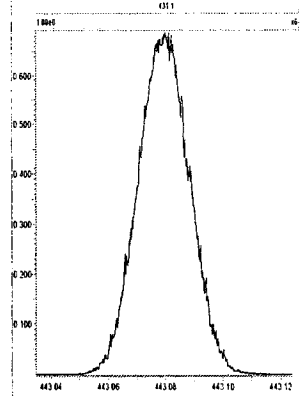
M 416.9760 R 10966



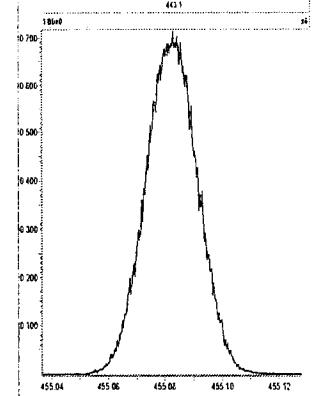
M 430.9728 R 10917



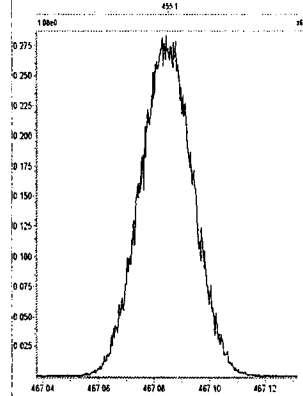
M 442.9728 R 11061



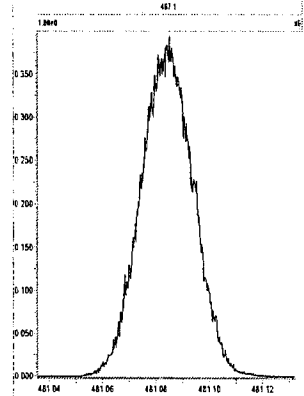
M 454.9728 R 10773



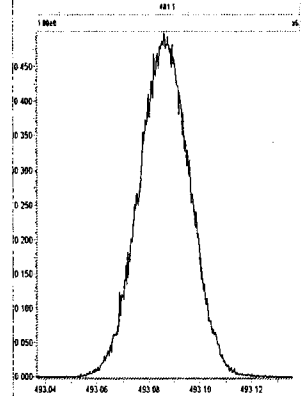
M 466.9728 R 10684



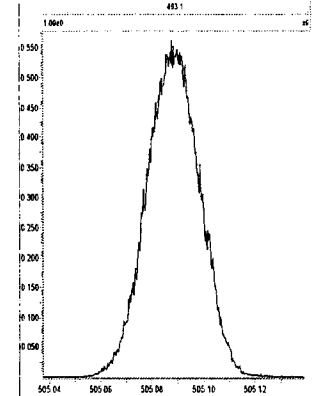
M 480.9696 R 10683



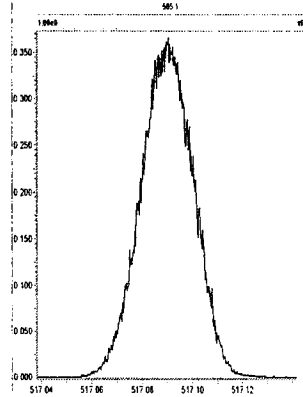
M 492.9696 R 10820



M 504.9696 R 10638



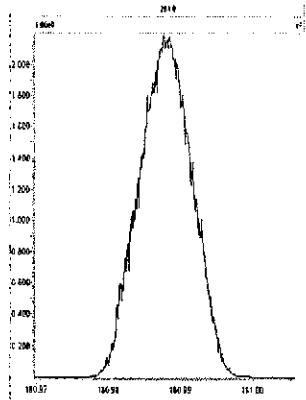
M 516.9697 R 10961



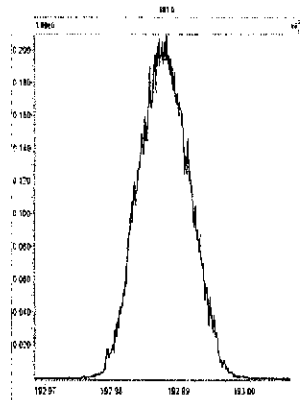
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, May 29, 2009 08:15:27 Pacific Daylight Time

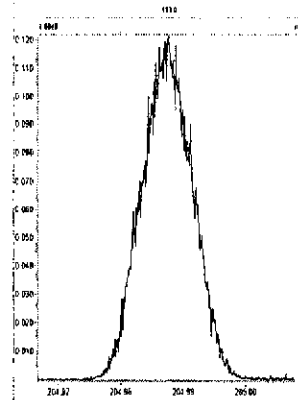
M 180.9888 R 11364



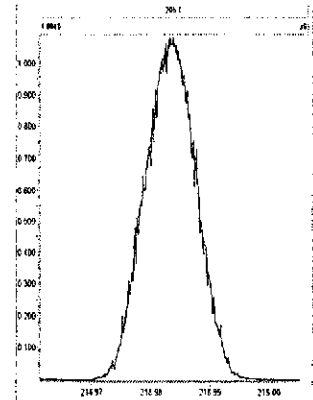
M 192.9888 R 10967



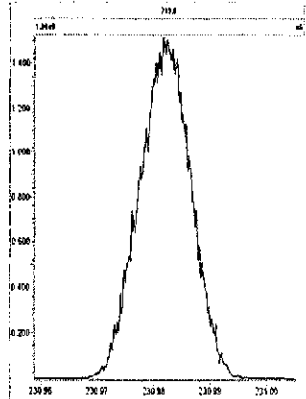
M 204.9888 R 11315



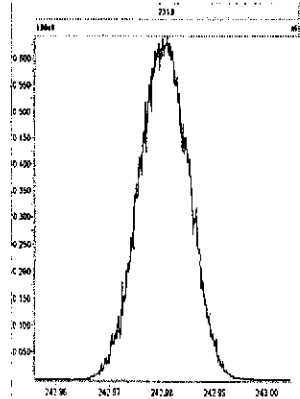
M 218.9856 R 11575



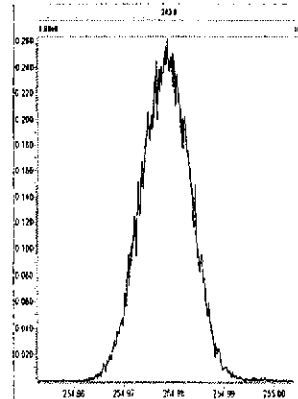
M 230.9856 R 11629



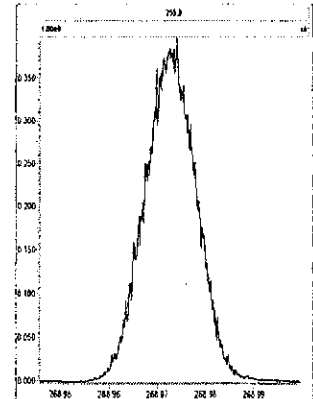
M 242.9856 R 11576



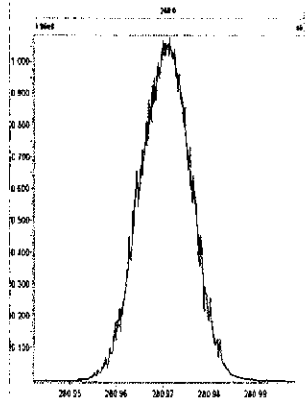
M 254.9856 R 11013



M 268.9824 R 10915



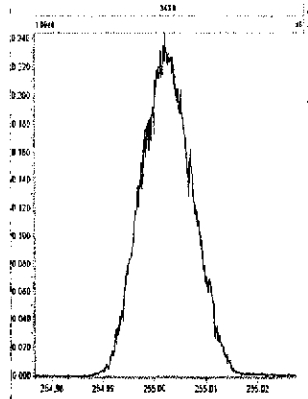
M 280.9824 R 11206



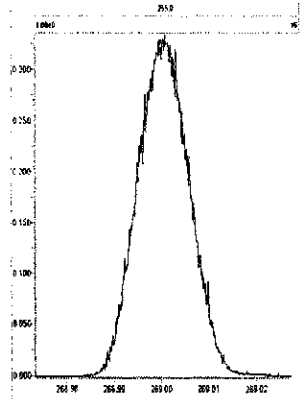
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Printed: Friday, May 29, 2009 08:16:22 Pacific Daylight Time

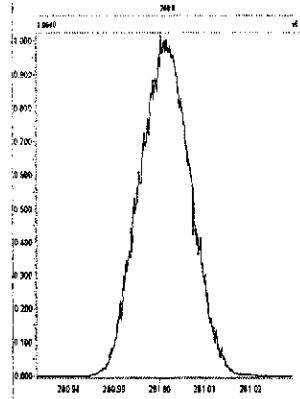
M 254.9856 R 11416



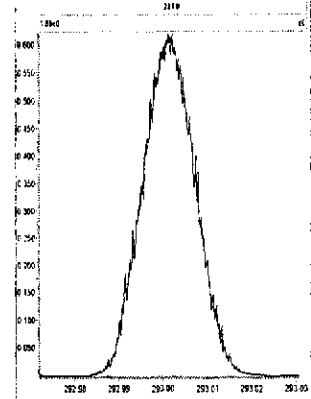
M 268.9824 R 11363



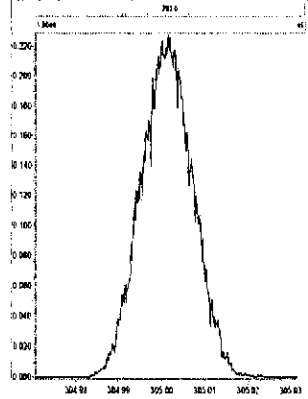
M 280.9824 R 11214



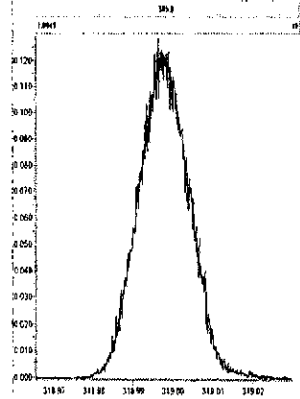
M 292.9824 R 11112



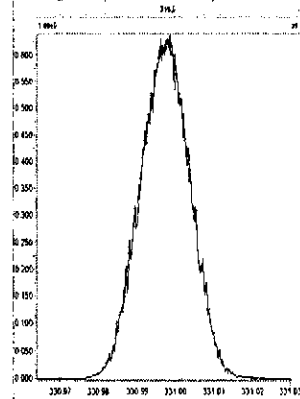
M 304.9824 R 10821



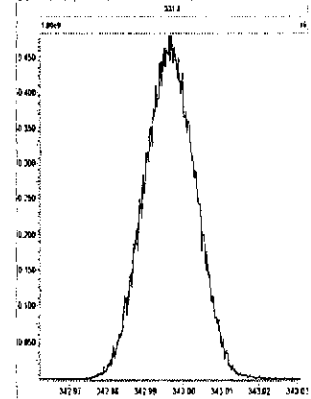
M 318.9792 R 11158



M 330.9792 R 11469



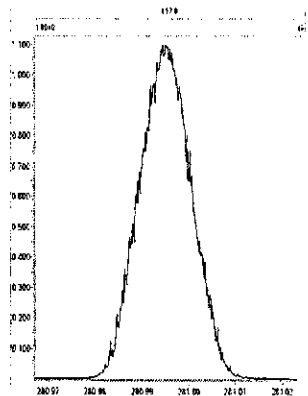
M 342.9792 R 11160



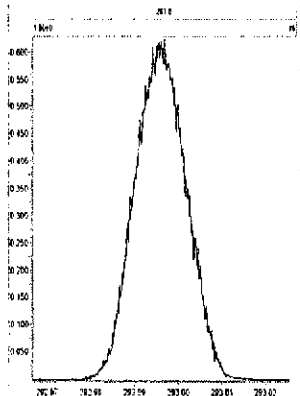
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Printed: Friday, May 29, 2009 08:17:16 Pacific Daylight Time

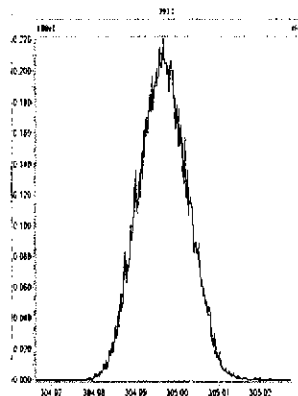
M 280.9824 R 11264



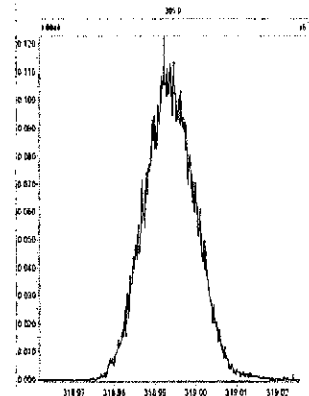
M 292.9824 R 11211



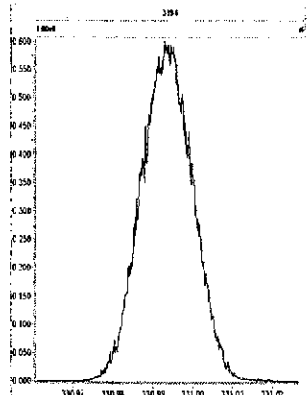
M 304.9824 R 11209



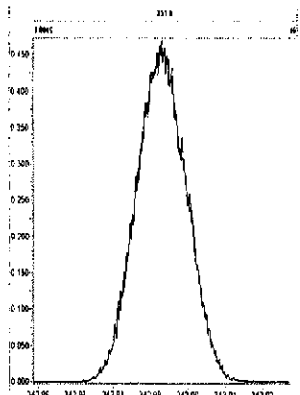
M 318.9792 R 11571



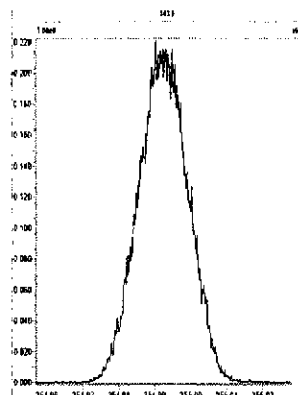
M 330.9792 R 11262



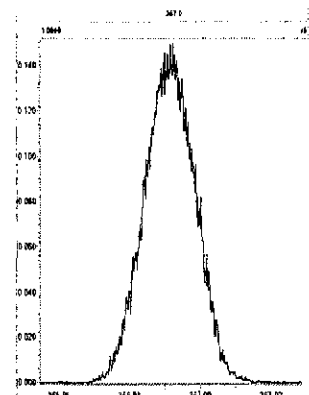
M 342.9792 R 11414



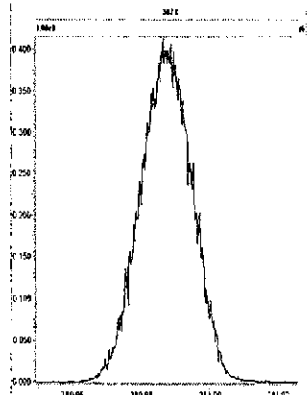
M 354.9792 R 11162



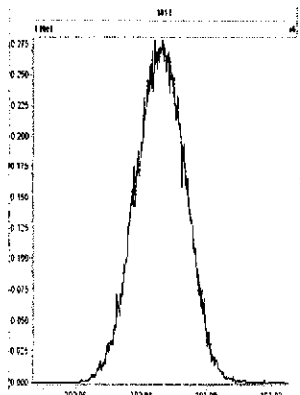
M 366.9792 R 11161



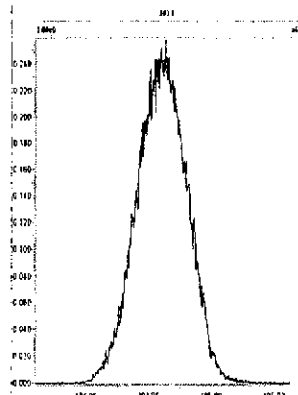
M 380.9760 R 11362



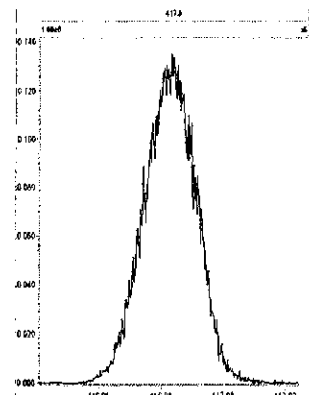
M 392.9760 R 11258



M 404.9760 R 11211



M 416.9760 R 11012

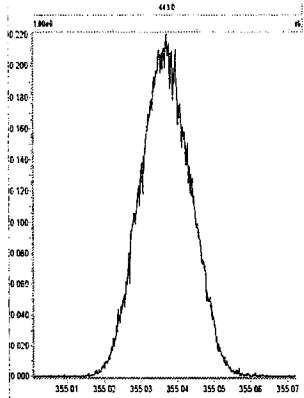




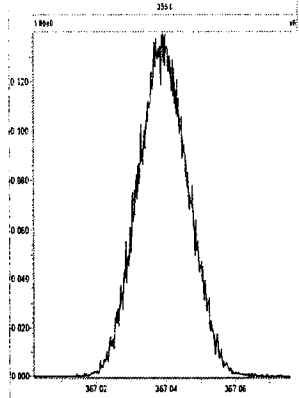
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, May 29, 2009 08:18:07 Pacific Daylight Time

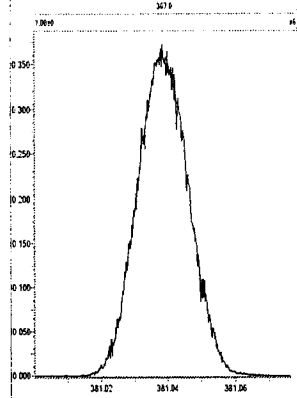
M 354.9792 R 11209



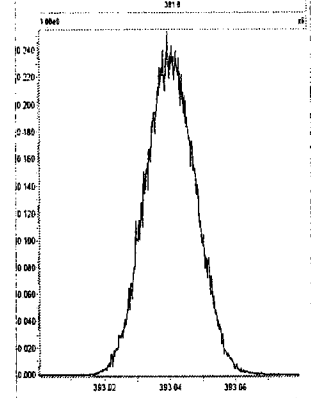
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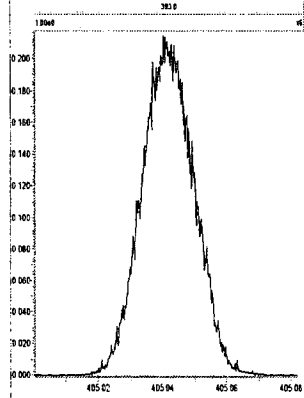
M 380.9760 R 10965



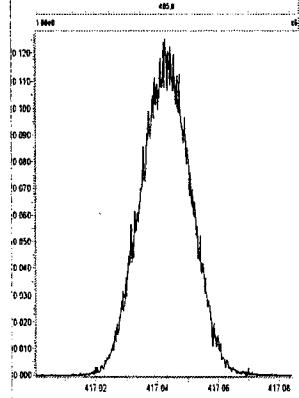
M 392.9760 R 10826



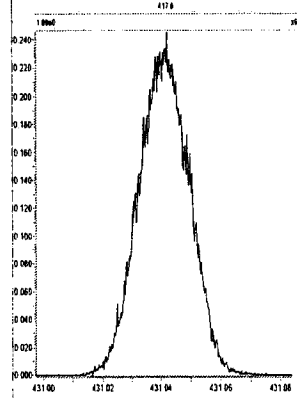
M 404.9760 R 10867



M 416.9760 R 11013



M 430.9728 R 11467

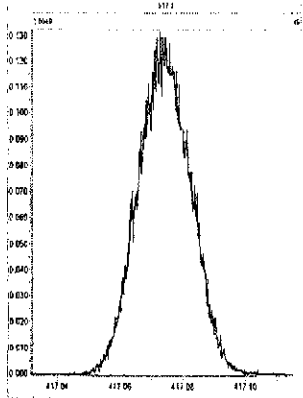


M 442.9728 R 11465

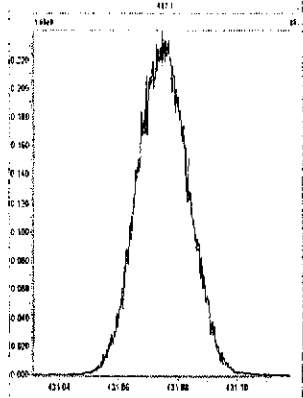
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Printed: Friday, May 29, 2009 08:18:53 Pacific Daylight Time

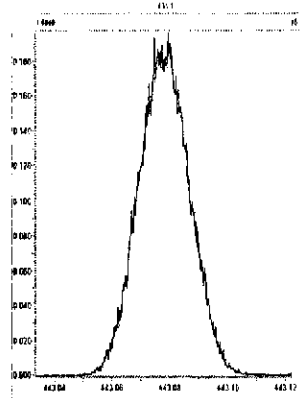
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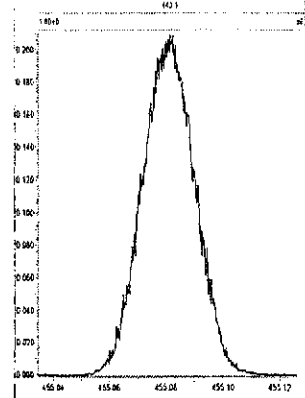
M 430.9728 R 11062



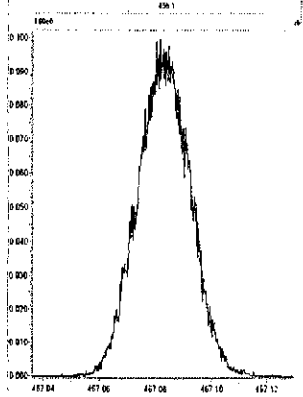
M 442.9728 R 10967



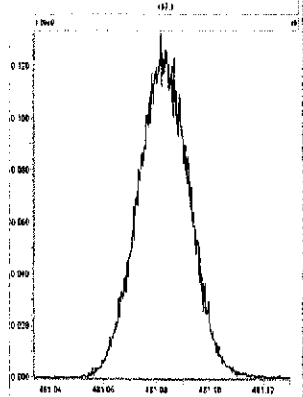
M 454.9728 R 10918



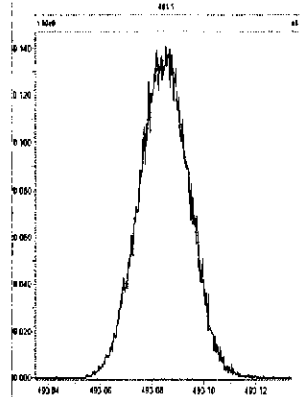
M 466.9728 R 10460



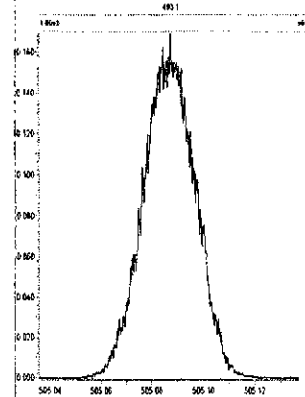
M 480.9696 R 10916



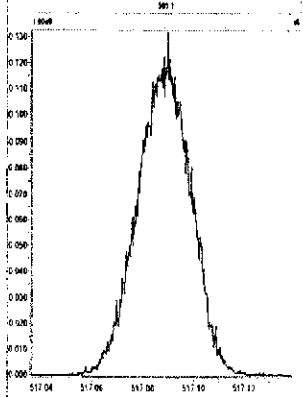
M 492.9696 R 11262



M 504.9696 R 11013



M 516.9697 R 10778



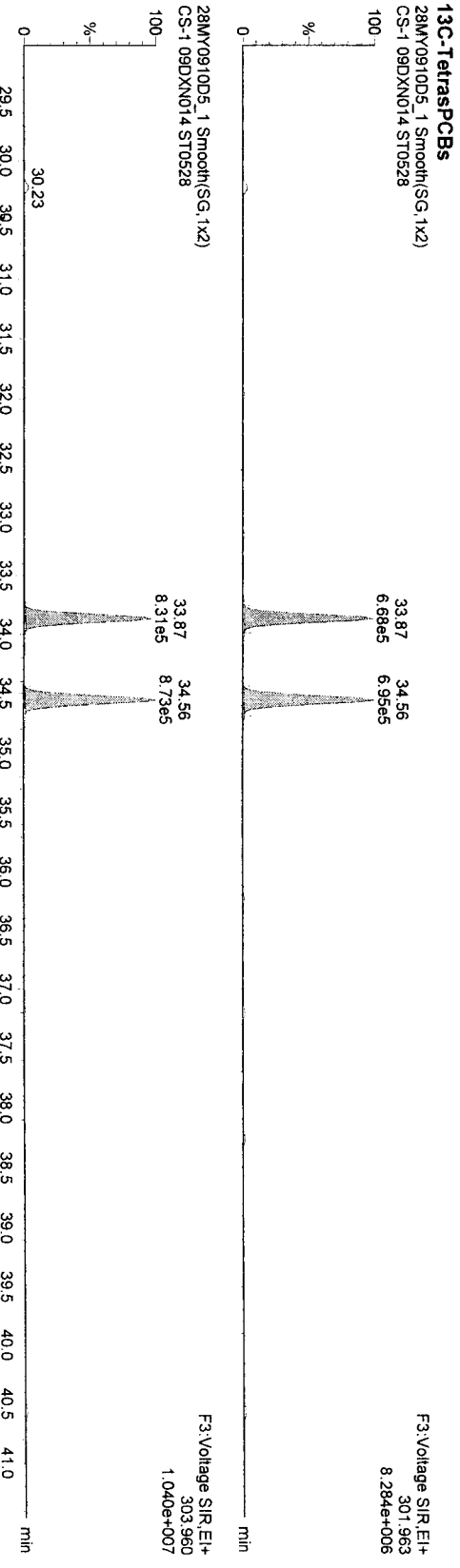
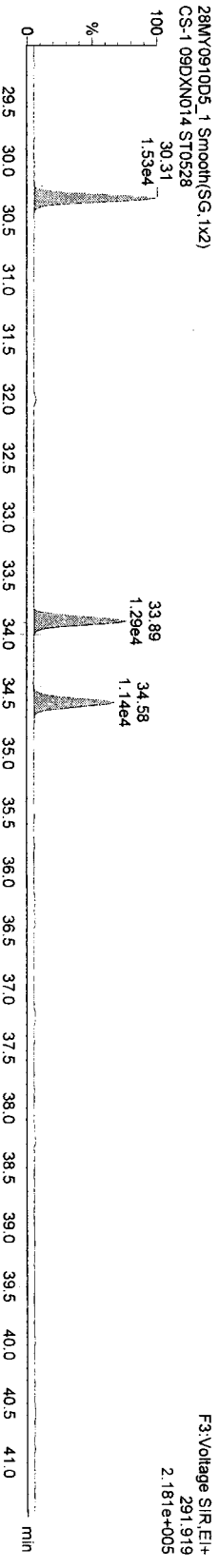
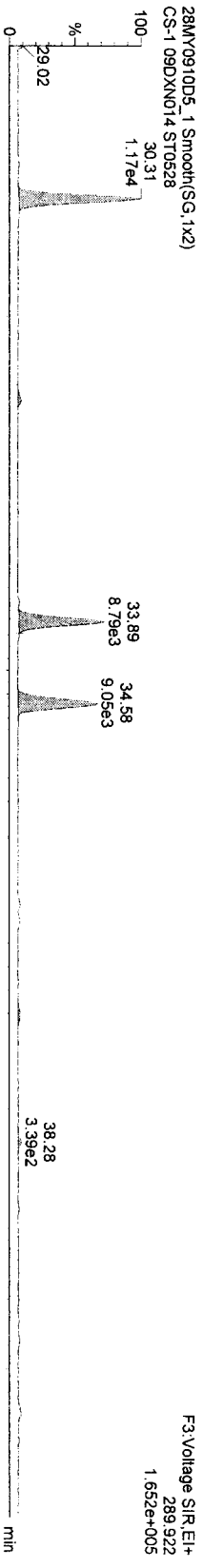
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Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1 09DXN014

TetraPCBs

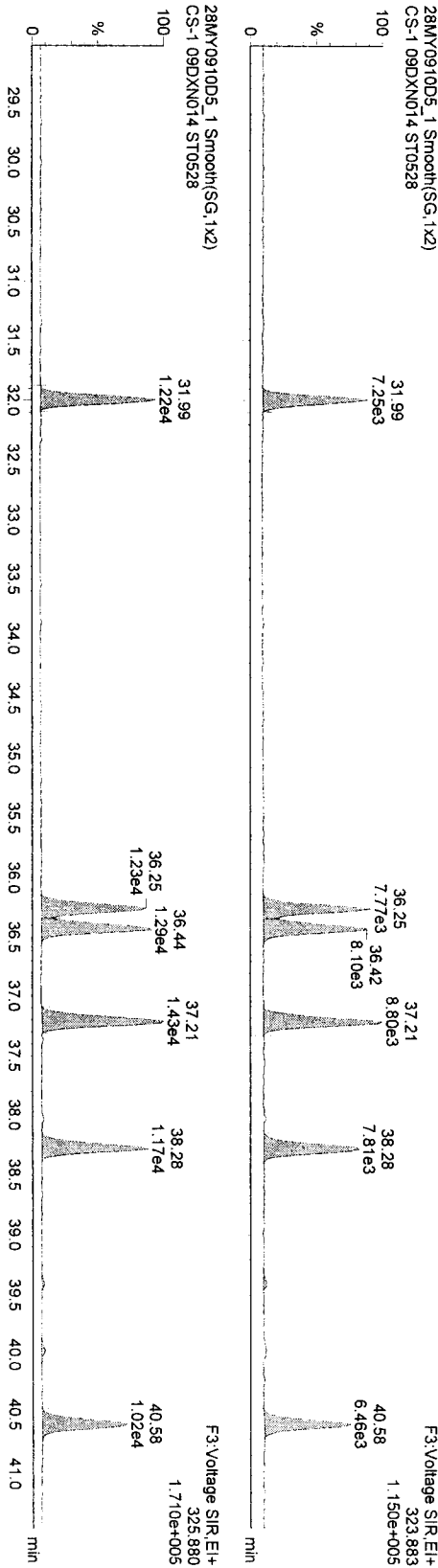


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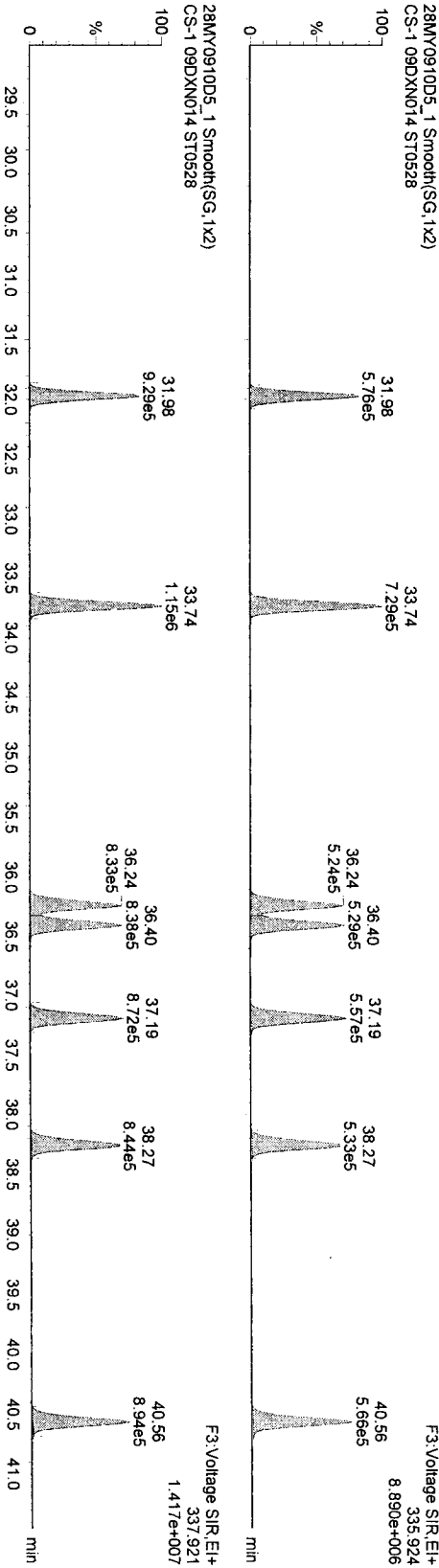
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1 09DXN014

**PePCBs**



**13C-PePCBs**

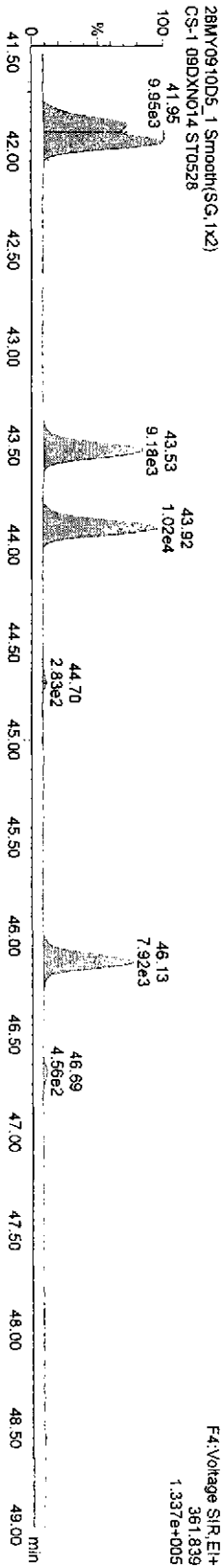
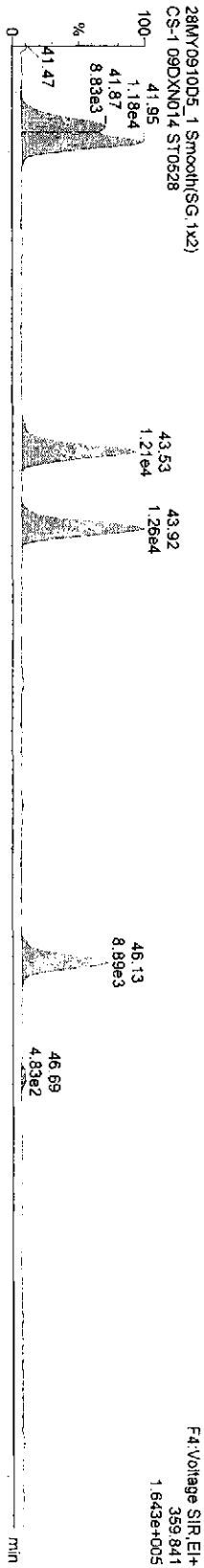


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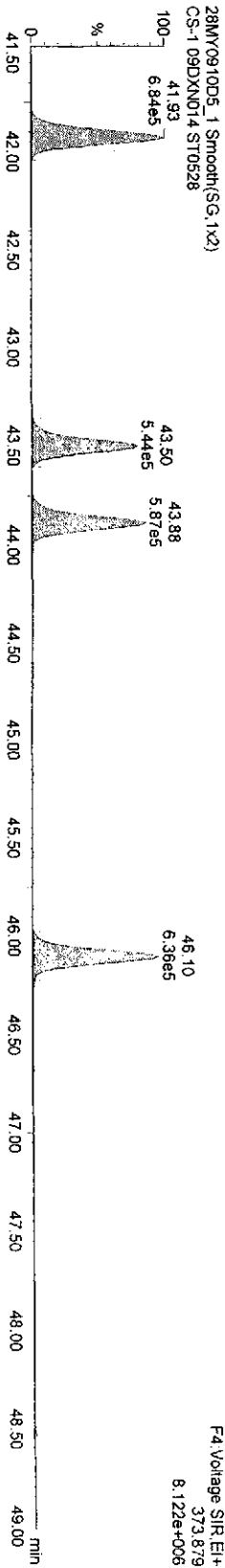
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1 09DXN014

HxPCBs-



13C-HxPCBs



Dataset: C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

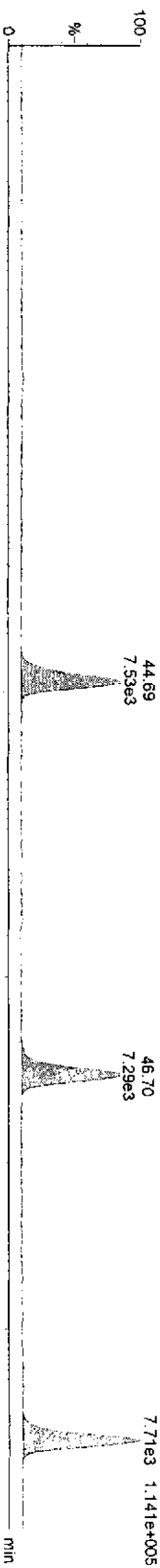
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Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1 09DXN014

HPPCBs

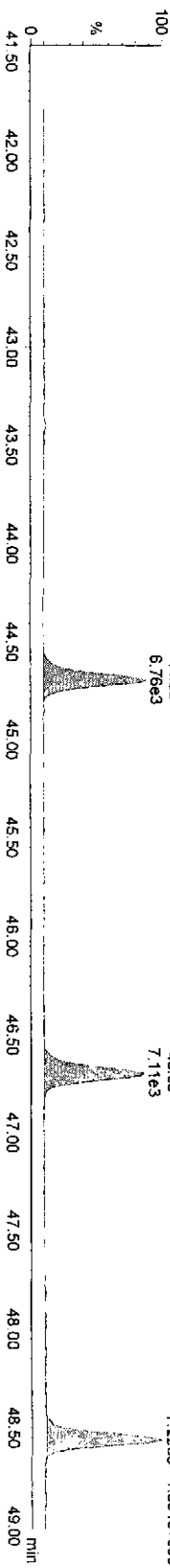
28MY0910D5\_1 Smooth(SG, 1x2)

CS-1 09DXN014 ST0528



28MY0910D5\_1 Smooth(SG, 1x2)

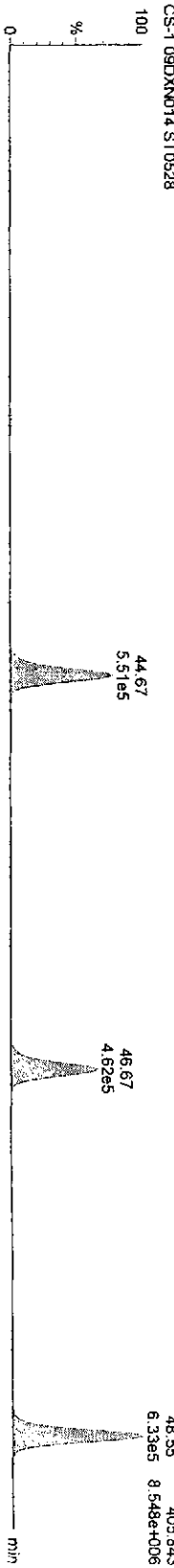
CS-1 09DXN014 ST0528



13C-HPPCBs

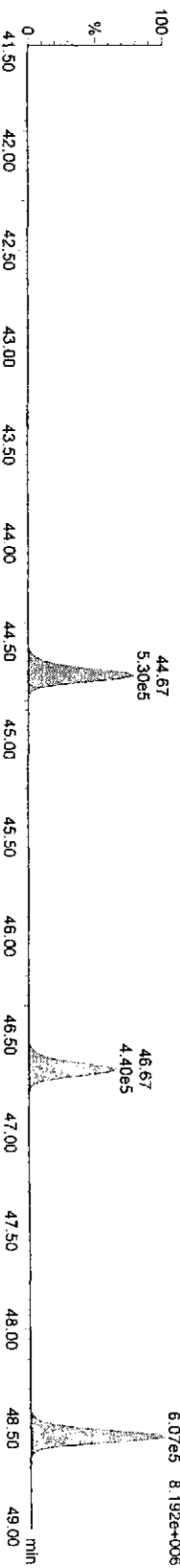
28MY0910D5\_1 Smooth(SG, 1x2)

CS-1 09DXN014 ST0528



28MY0910D5\_1 Smooth(SG, 1x2)

CS-1 09DXN014 ST0528



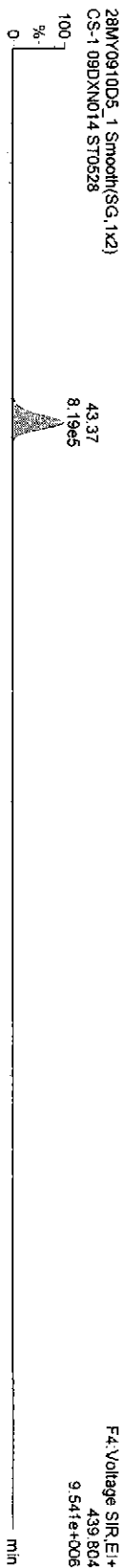
Dataset: C:\MassLynx\Default\prof\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

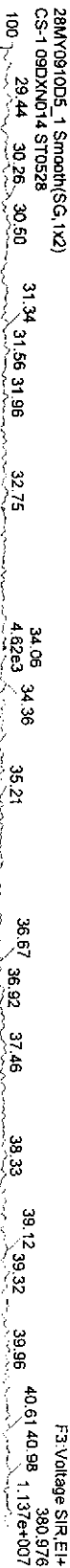
Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1 09DXN014

13C-OCB-202



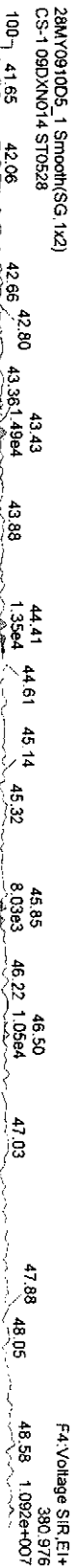
28MY0910D5\_1.Smooth(SG,1x2) F4:Voltage SIR.EI+  
 CS-1 09DXN014 ST0528 439.804  
 1.052e+007

Function 3 PFK



28MY0910D5\_1.Smooth(SG,1x2) F3:Voltage SIR.EI+  
 CS-1 09DXN014 ST0528 380.976  
 1.137e+007

Function 4 PFK



28MY0910D5\_1.Smooth(SG,1x2) F4:Voltage SIR.EI+  
 CS-1 09DXN014 ST0528 380.976  
 1.092e+007



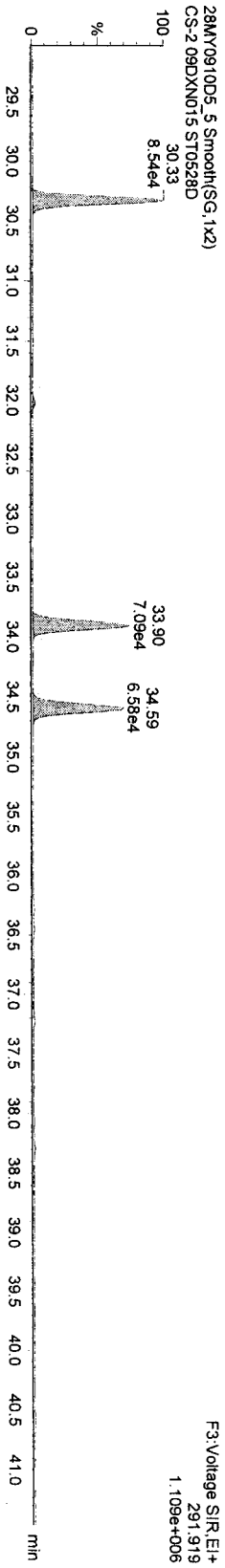
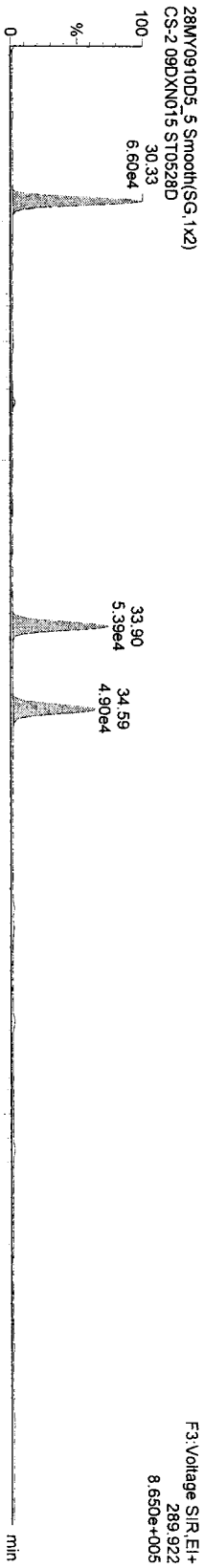
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Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

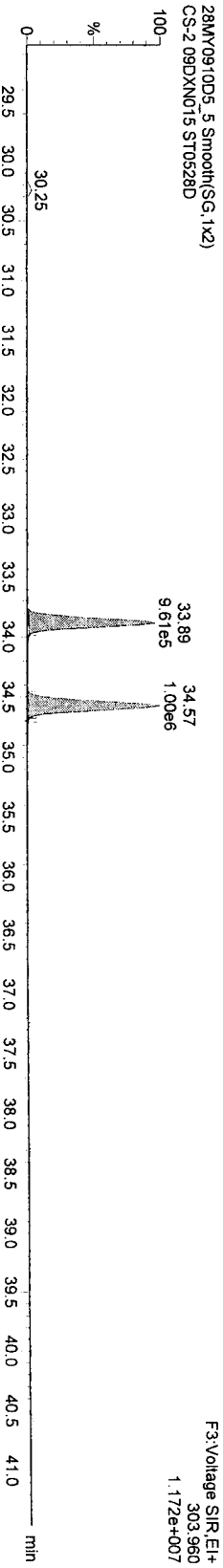
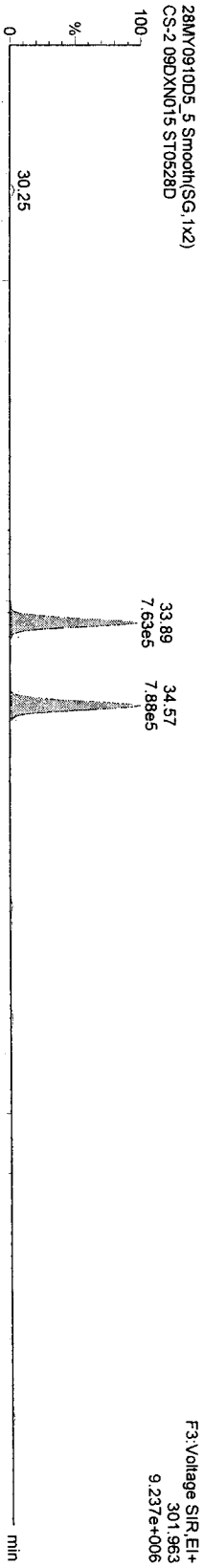
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2-09DXN015

**TetrPCBs**



**13C-TetrPCBs**



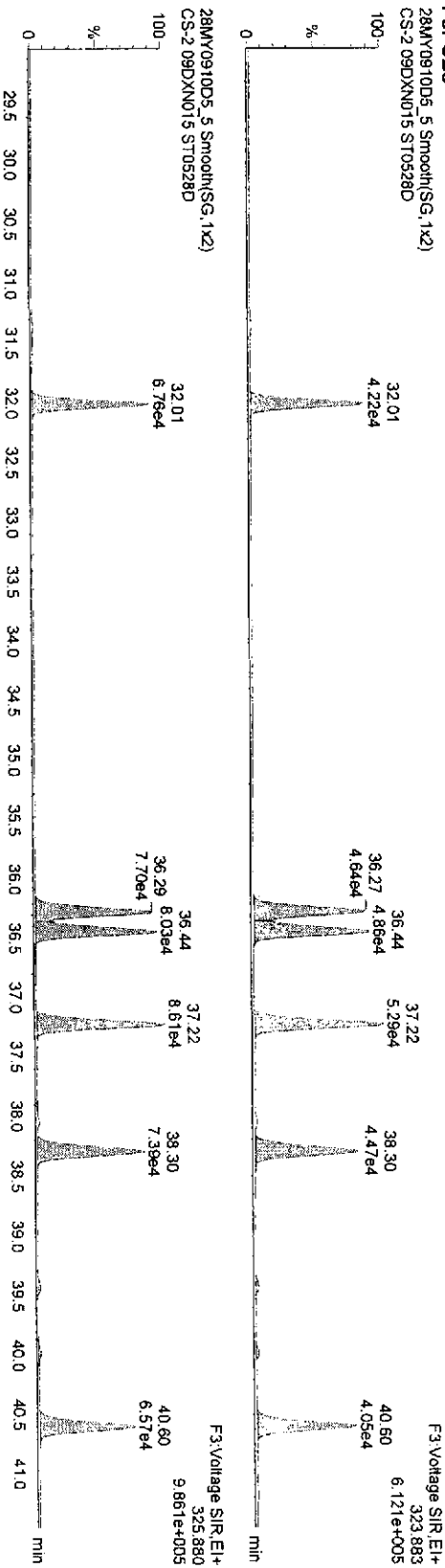


Dataset: C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

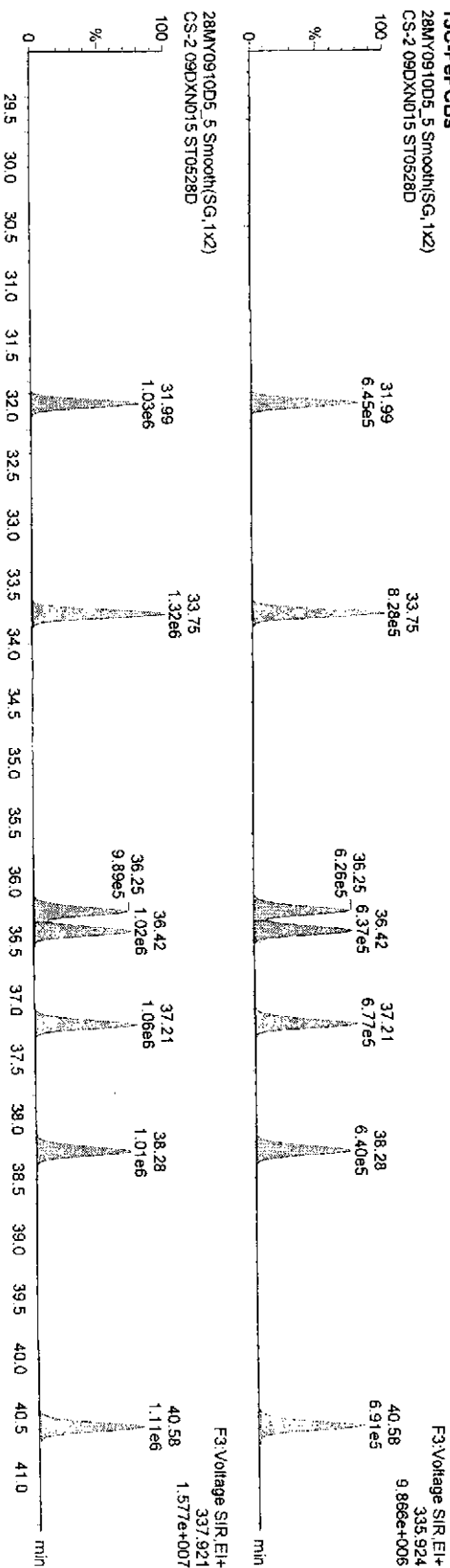
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
 Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2-09DXN015

**PePCBs**



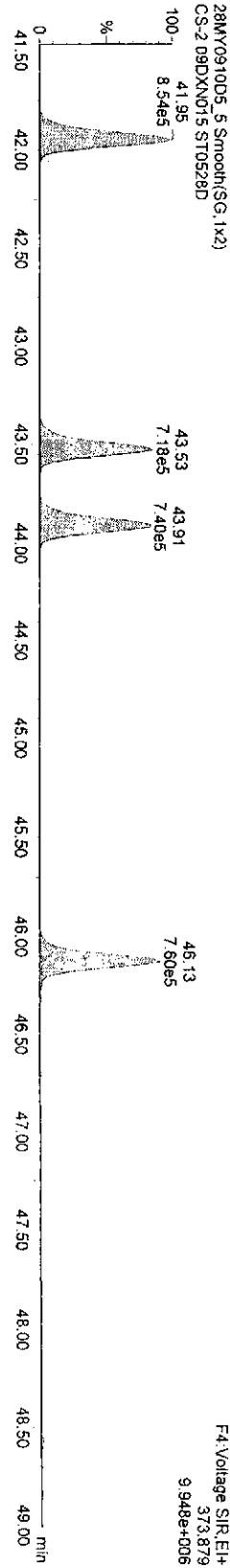
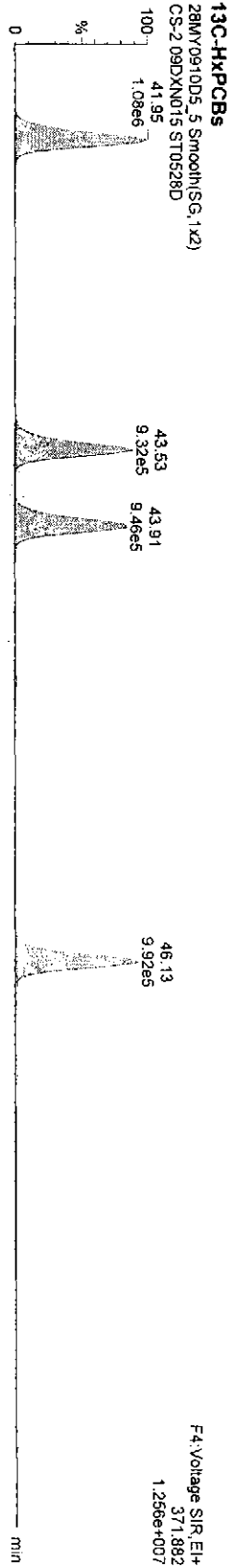
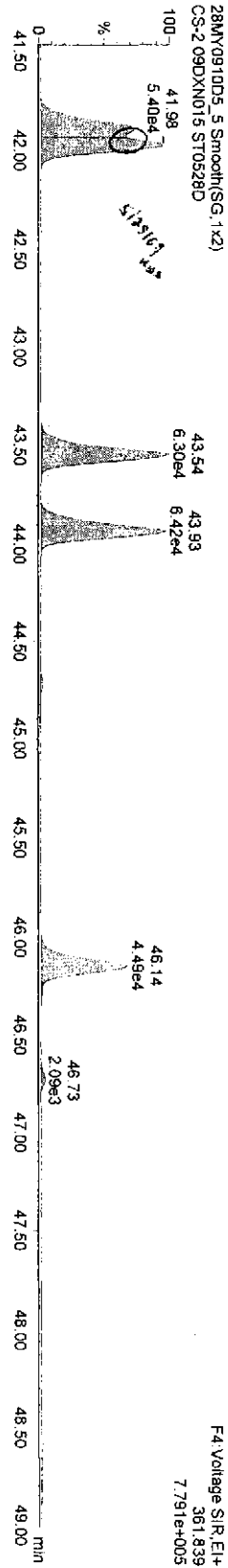
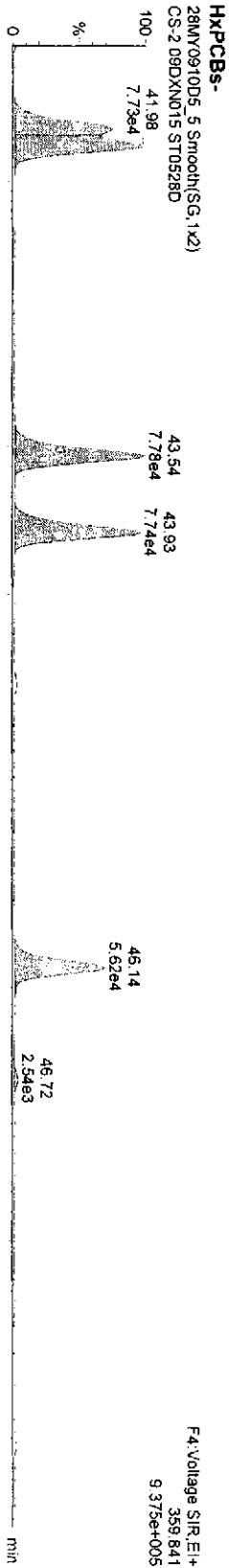
**13C-PePCBs**



Dataset: C:\MassLynx\Default\proj\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2 09DXN015



Dataset: C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

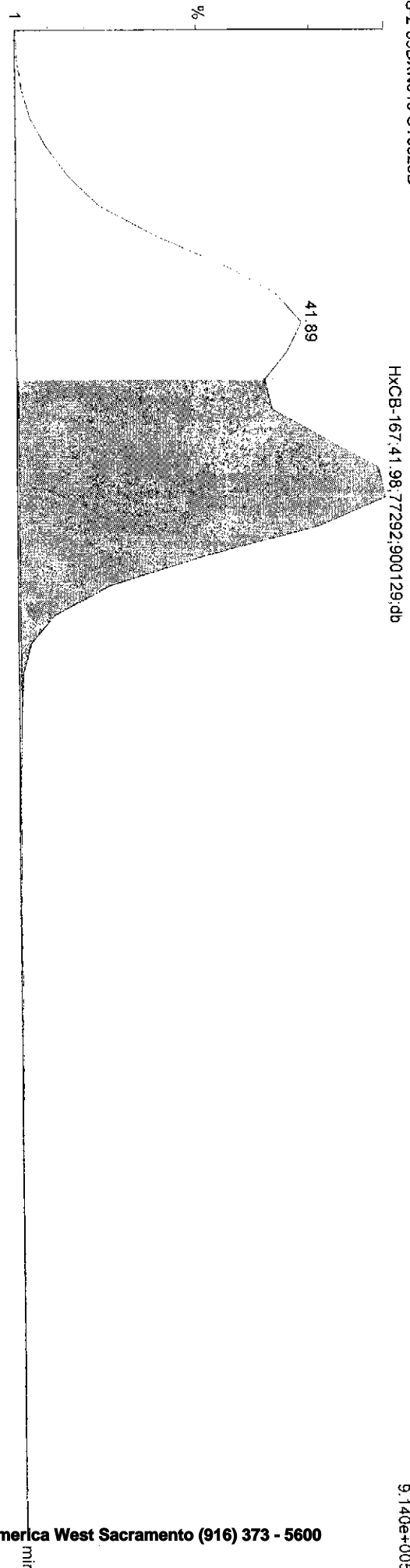
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Printed: Friday, May 29, 2009 14:12:28 Pacific Daylight Time

Method: C:\MassLynx\Default\prol\Methodb\1668MSL10DB5.mdb 22 May 2009 10:05:00  
Calibration: 29 May 2009 14:02:36

Sample Name: 28MY0910D5\_5

28MY0910D5\_5 Smooth(SG, 1x2)  
CS-2 09DXN015 ST0528D

F4: Voltage SIR, EI+  
359.841  
9.140e+005



28MY0910D5\_5 Smooth(SG, 1x2)  
CS-2 09DXN015 ST0528D

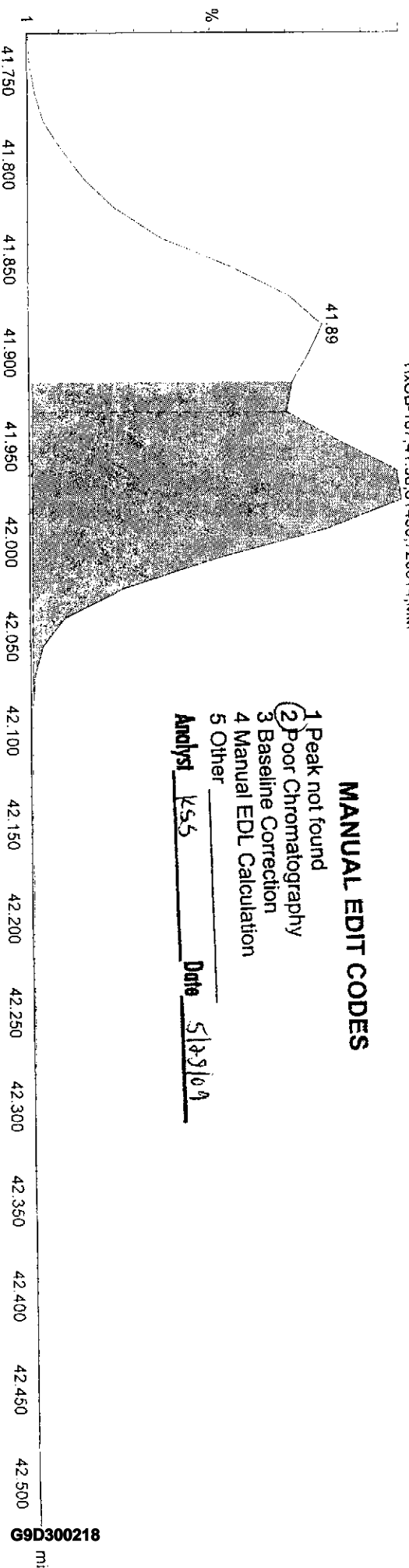
HxCB-167.41.98.61453.720614.MM

F4: Voltage SIR, EI+  
368.836  
7.366e+005

**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst KSS Date 5/29/09

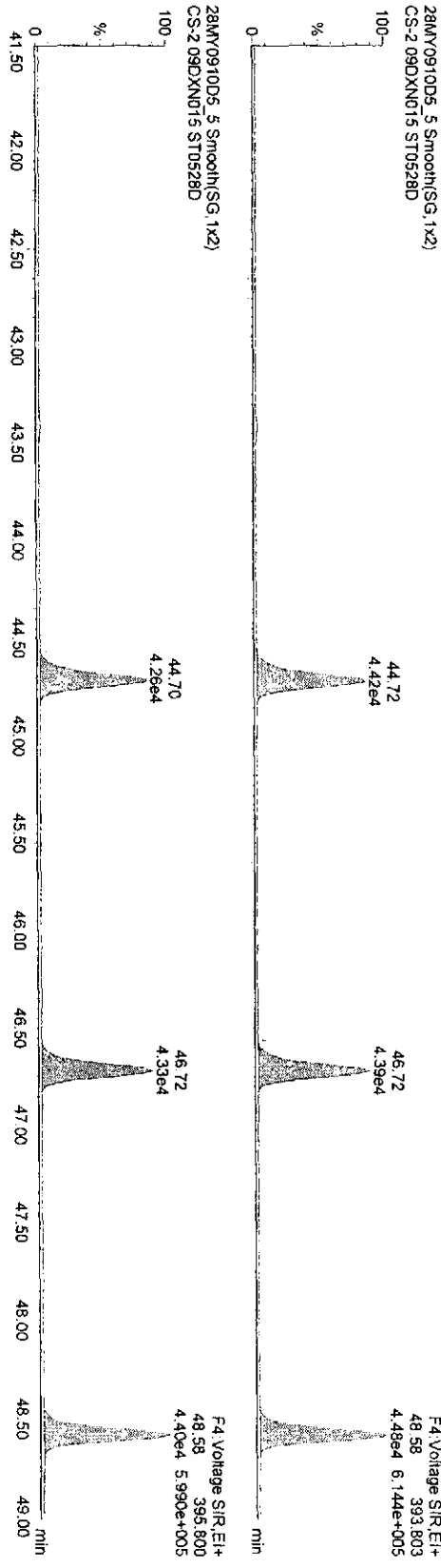


Dataset: C:\MassLynx\Default\prof\CA0528200910D51668MSL.qld

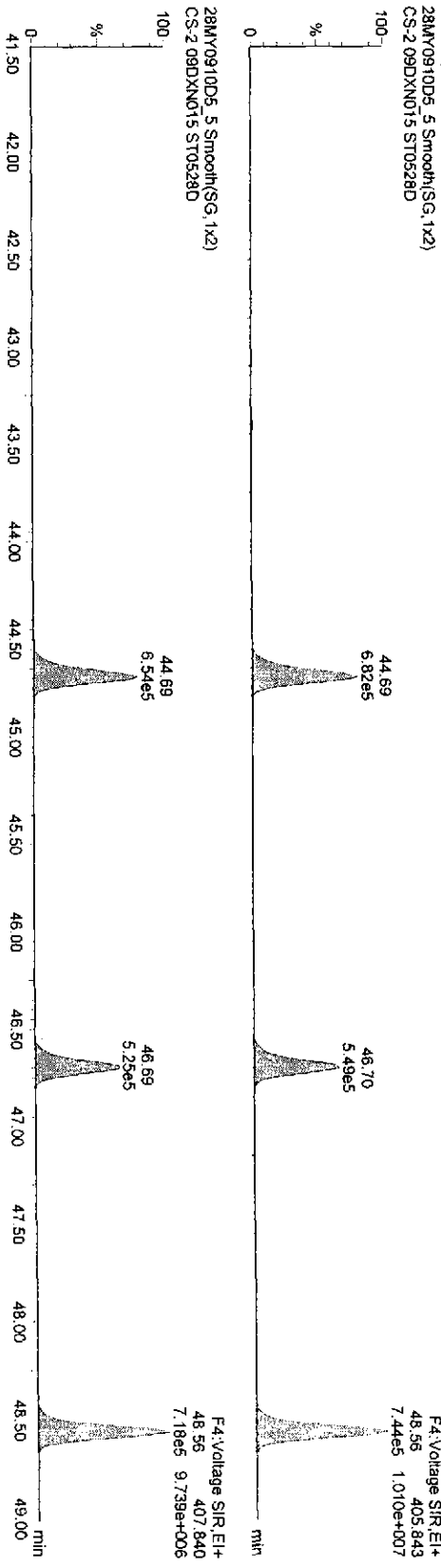
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2-09DXN015

**HPPCBs**



**13C-HPPCBs**



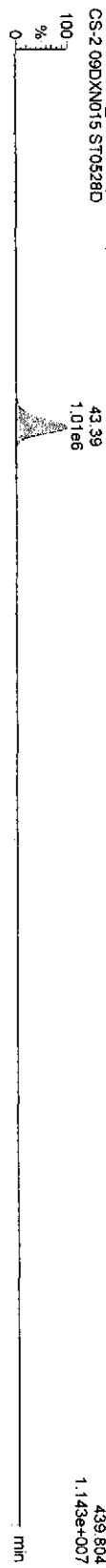
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Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

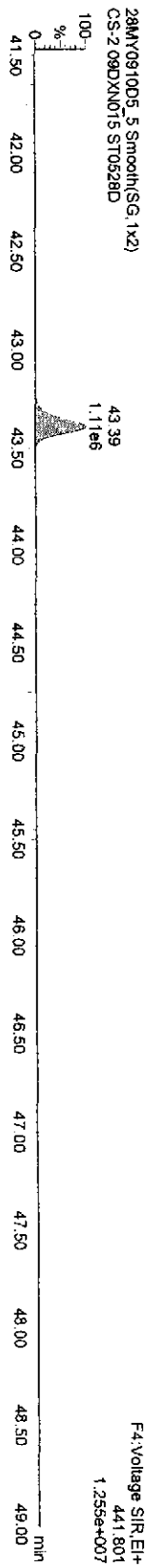
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13C-QcCB-202

28MY0910D5\_5 Smooth(SG,1x2)  
CS-2 09DXN015 ST0528D

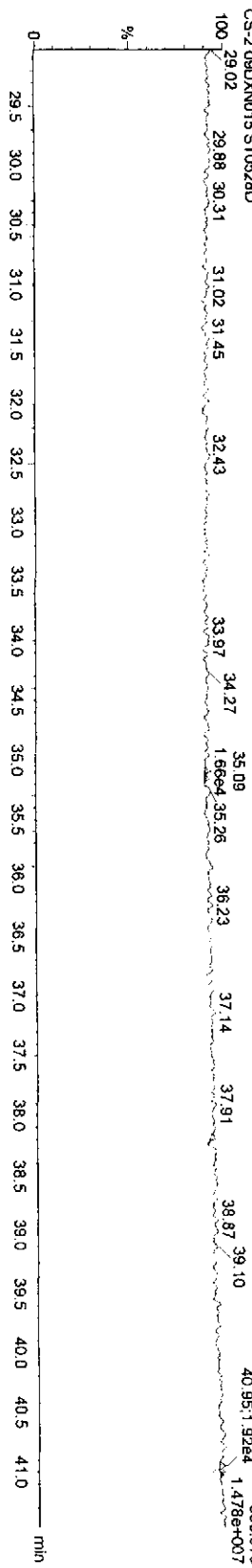


28MY0910D5\_5 Smooth(SG,1x2)  
CS-2 09DXN015 ST0528D



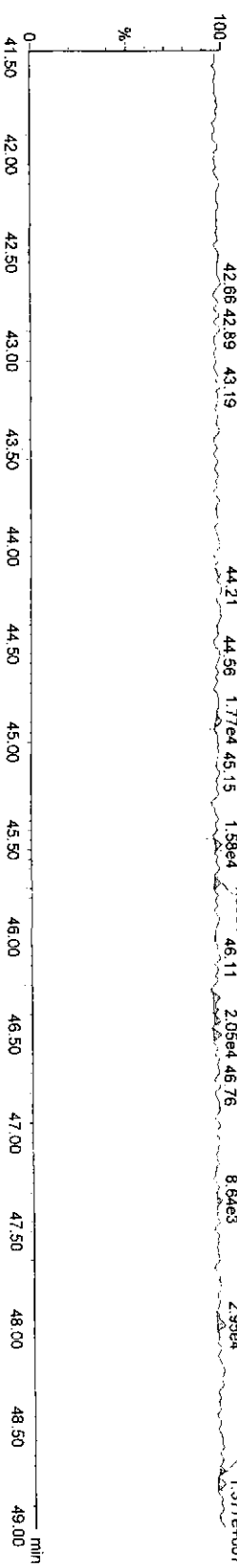
Function 3 PFK

28MY0910D5\_5 Smooth(SG,1x2)  
CS-2 09DXN015 ST0528D



Function 4 PFK

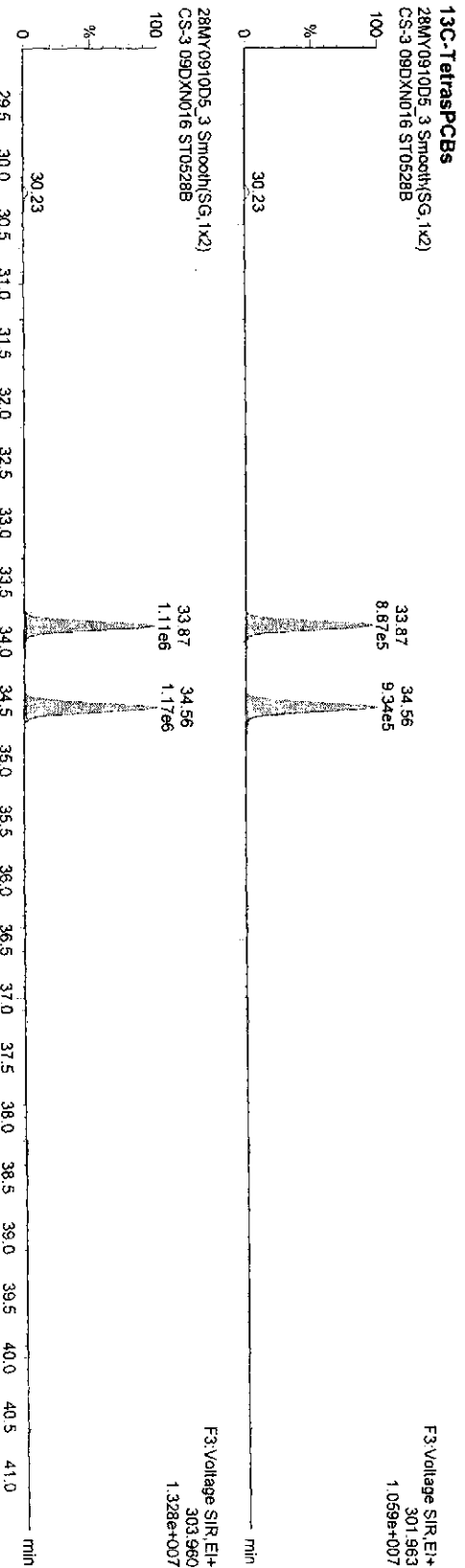
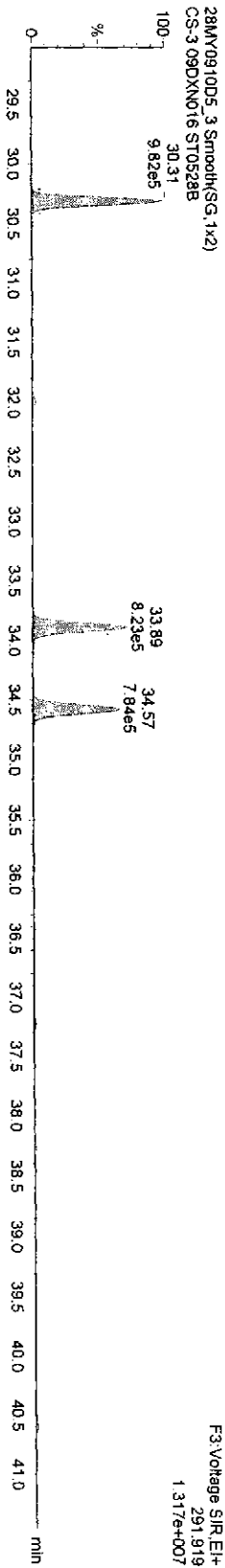
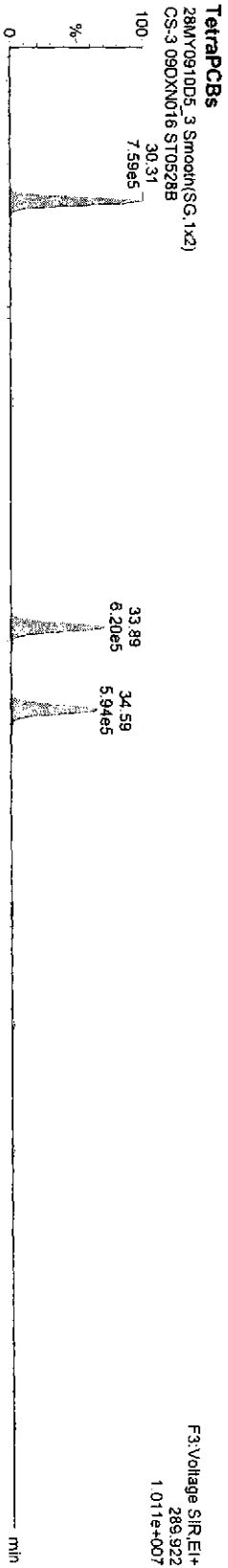
28MY0910D5\_5 Smooth(SG,1x2)  
CS-2 09DXN015 ST0528D



Dataset: C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

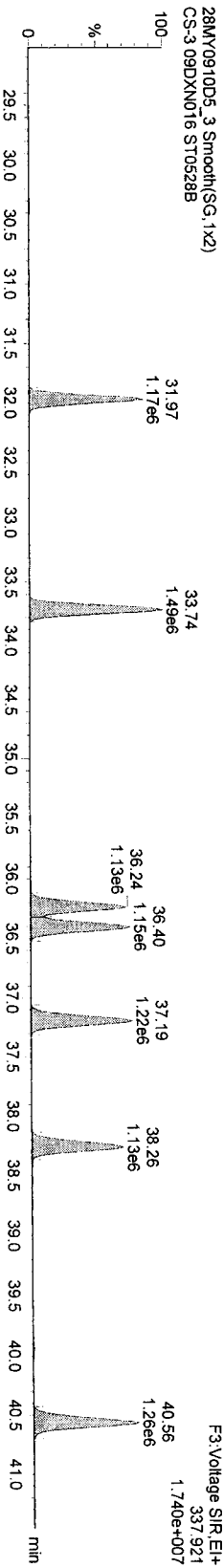
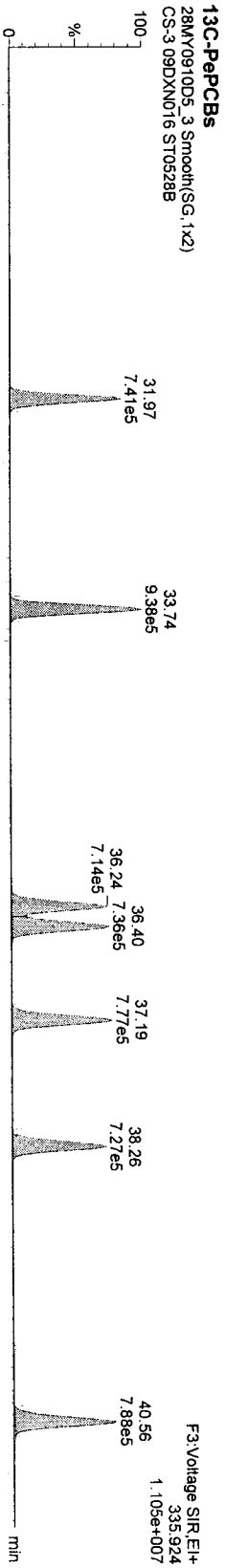
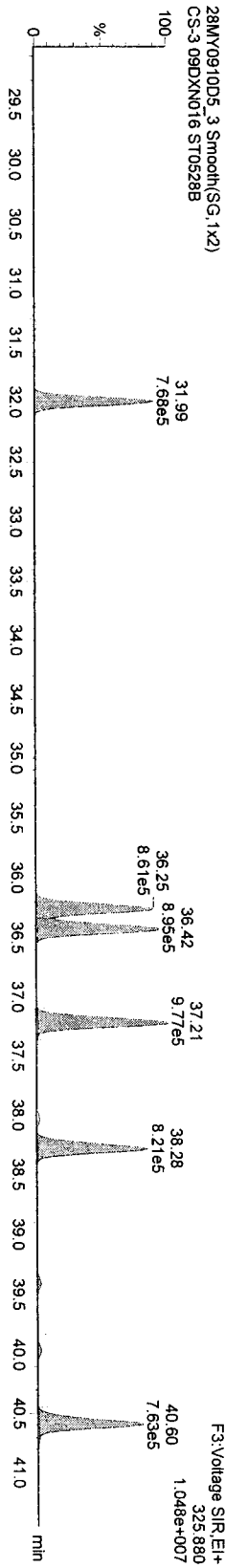
Name: 28MY0910D5\_3, Date: 28-May-2009, Time: 11:05:48, ID: ST0528B, Description: CS-3 09DXN016



Dataset: C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_3, Date: 28-May-2009, Time: 11:05:48, ID: ST0528B, Description: CS-3 09DXN016



Dataset: C:\MassLynx\Default.pro\CA0528200910D51668MSL.qld

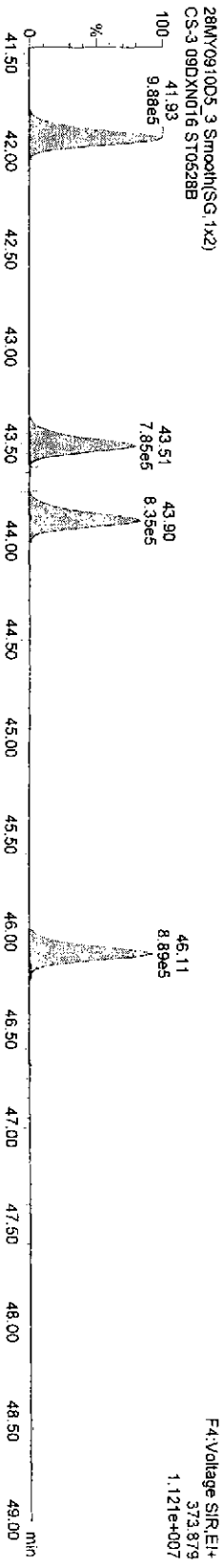
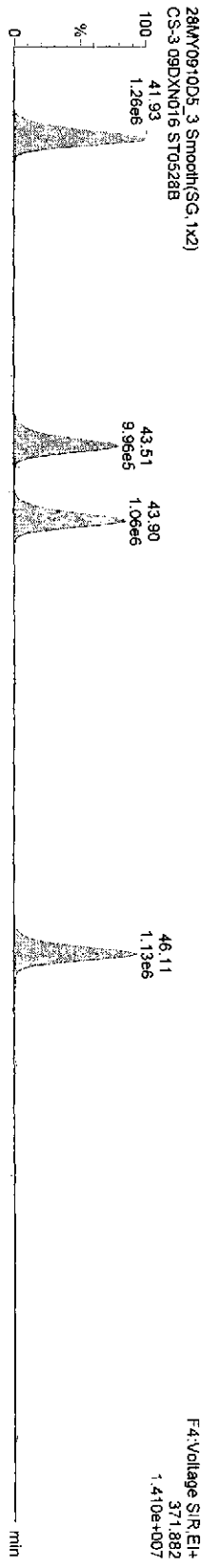
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_3, Date: 28-May-2009, Time: 11:05:48, ID: ST0528B, Description: CS-3 09DXN016

**HxPCBs-**



**13C-HxPCBs**





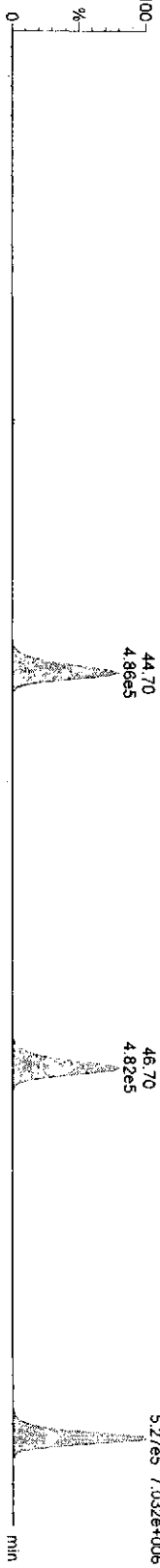
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Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
 Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

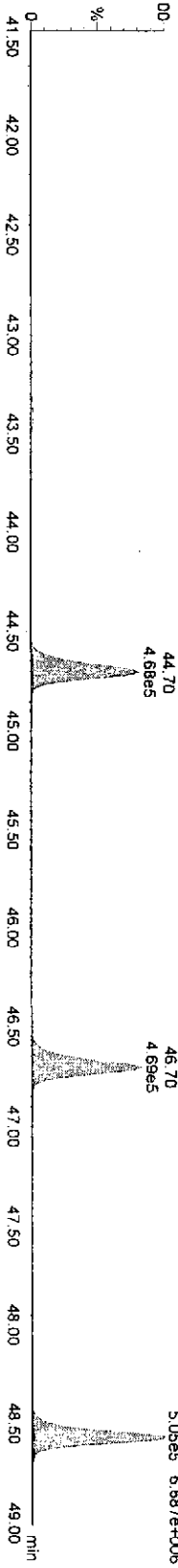
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**HPPCBs**

28MY0910D5\_3 Smooth(SG, 1x2)  
 CS-3 09DXN016 ST0528B

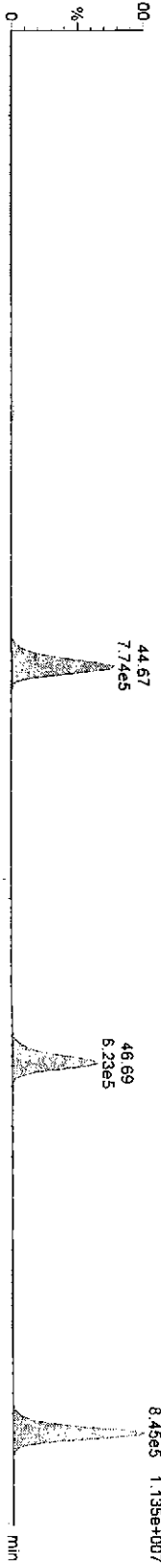


28MY0910D5\_3 Smooth(SG, 1x2)  
 CS-3 09DXN016 ST0528B

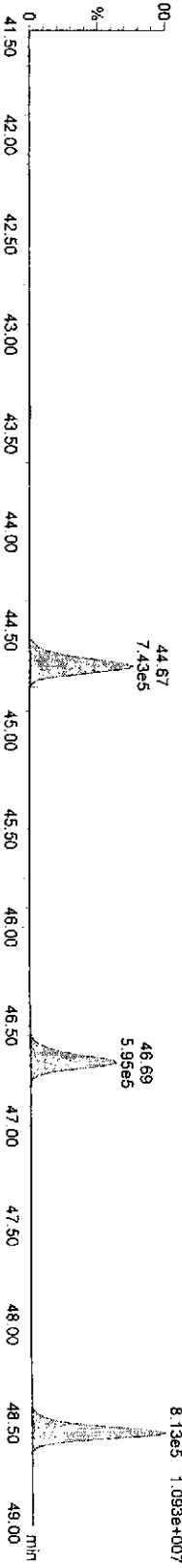


**13C-HPPCBs**

28MY0910D5\_3 Smooth(SG, 1x2)  
 CS-3 09DXN016 ST0528B



28MY0910D5\_3 Smooth(SG, 1x2)  
 CS-3 09DXN016 ST0528B

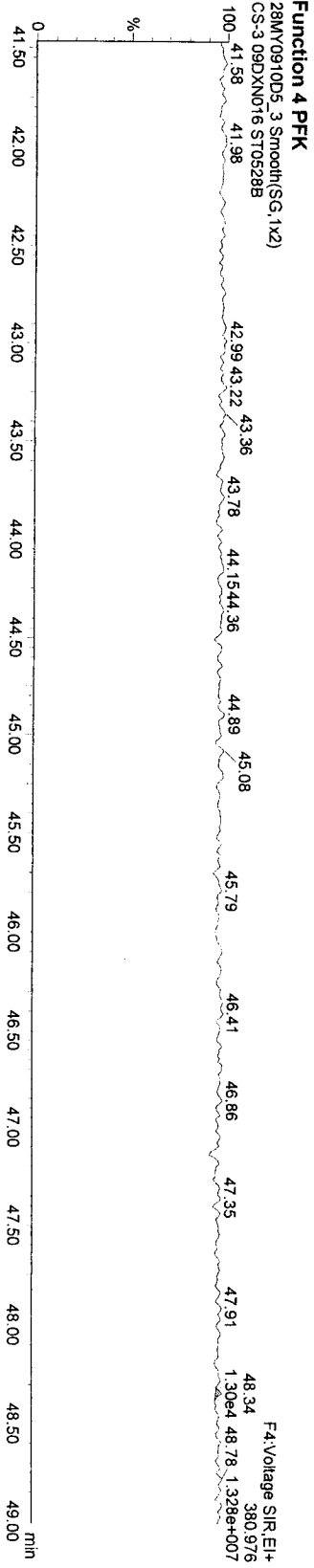
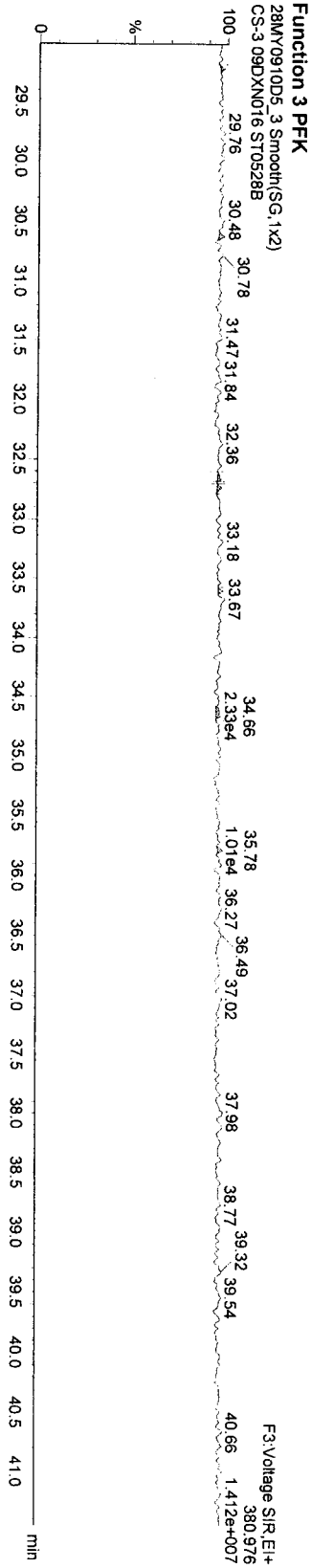
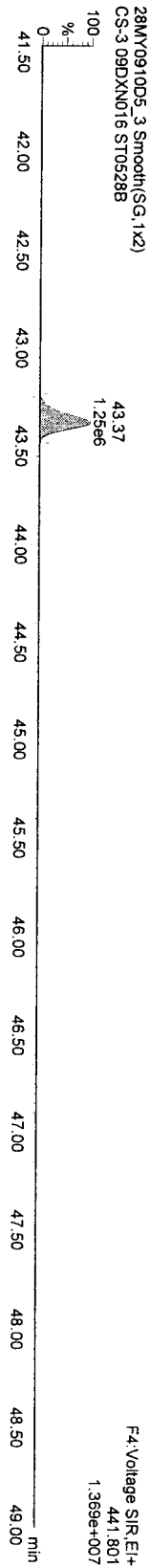
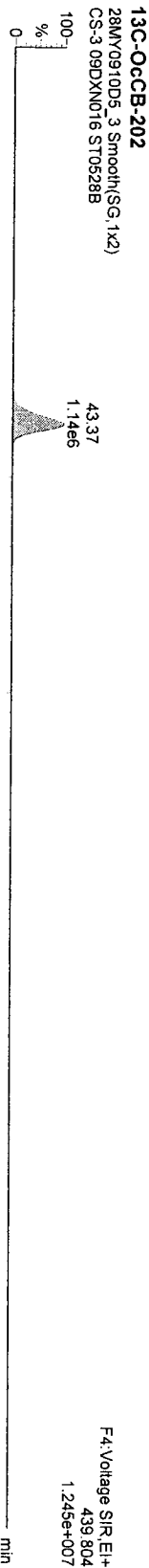


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_3, Date: 28-May-2009, Time: 11:05:48, ID: ST0528B, Description: CS-3 09DXN016

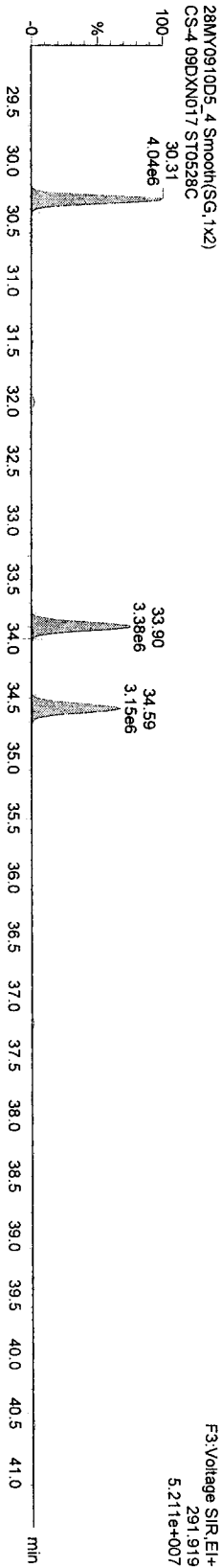
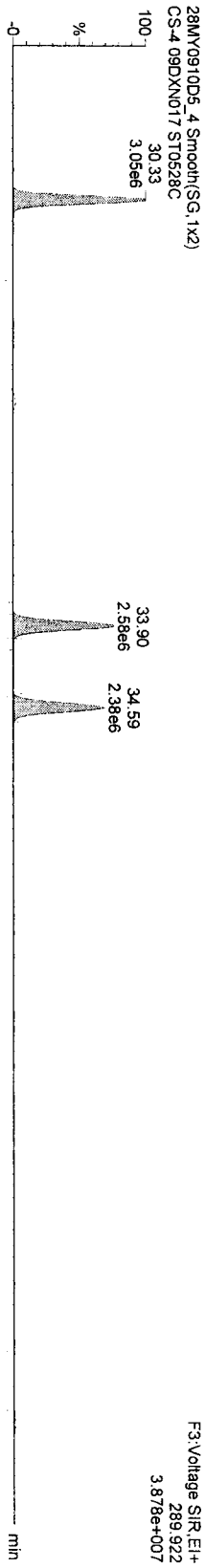


Dataset: C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

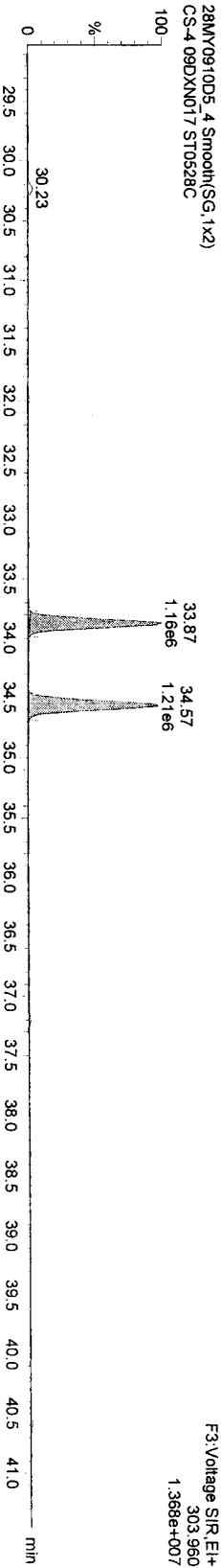
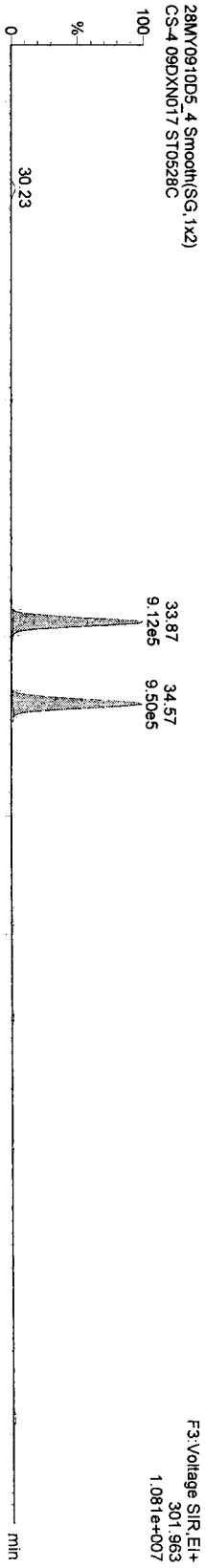
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_4, Date: 28-May-2009, Time: 12:01:57, ID: ST10528C, Description: CS-4 09DXN017

**TetraPCBs**



**13C-TetrasPCBs**



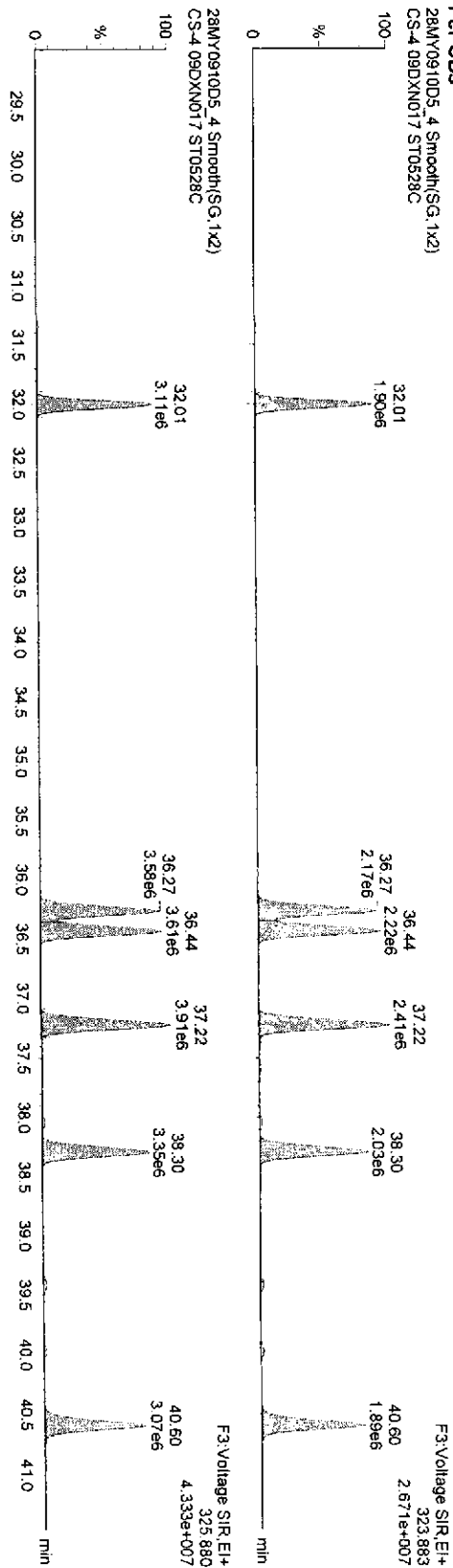
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Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

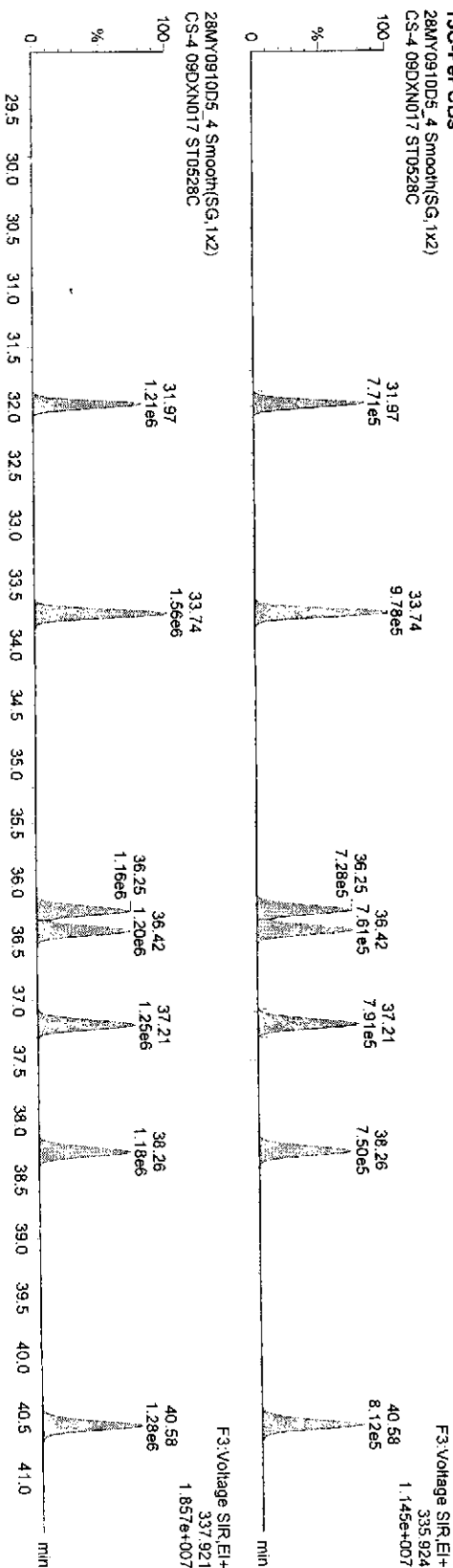
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_4, Date: 28-May-2009, Time: 12:01:57, ID: ST0528C, Description: CS-4-09DXN017

**PePCBs**



**13C-PePCBs**

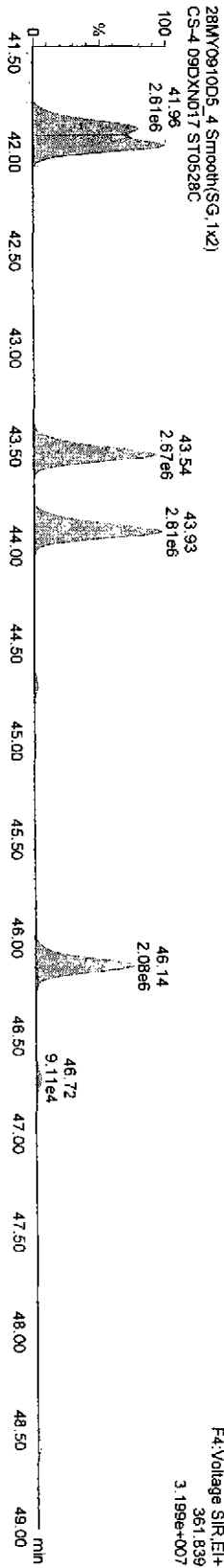
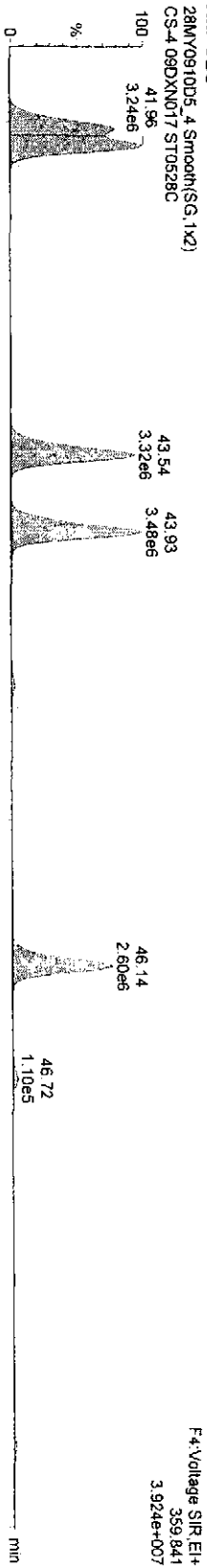


Dataset: C:\MassLynx\Default\prof\CA0528200910D51668MSL.qid

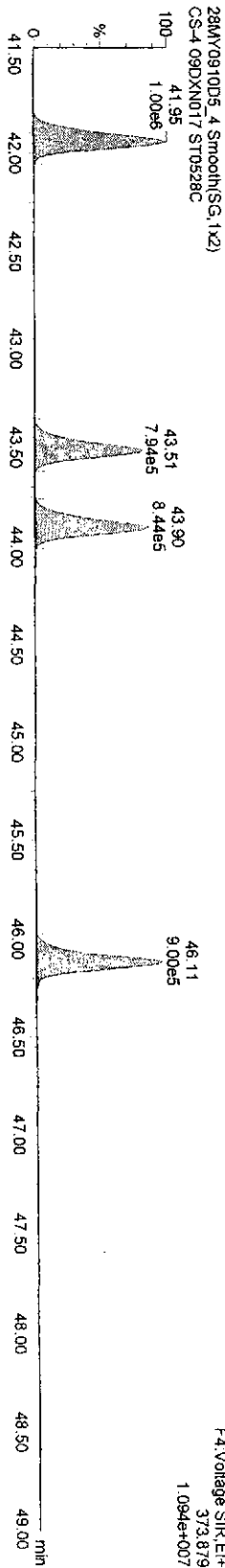
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_4 Date: 28-May-2009, Time: 12:01:57, ID: ST0528C, Description: CS-4 09DXN017

HxPCBs-



13C-HxPCBs

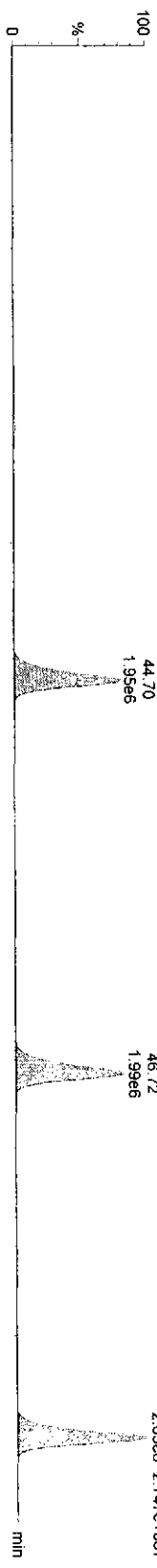


Dataset: C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

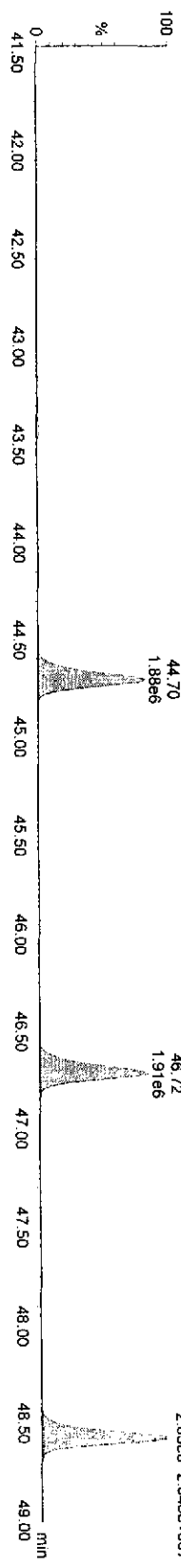
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_4, Date: 28-May-2009, Time: 12:01:57, ID: ST0528C, Description: CS-4 09DXN017

**HPPCBs**  
28MY0910D5\_4 Smooth(SG, 1x2)  
CS-4 09DXN017 ST0528C



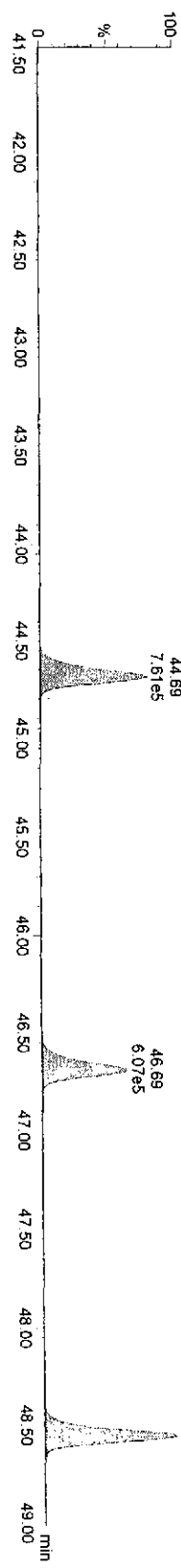
28MY0910D5\_4 Smooth(SG, 1x2)  
CS-4 09DXN017 ST0528C



**13C-HPPCBs**  
28MY0910D5\_4 Smooth(SG, 1x2)  
CS-4 09DXN017 ST0528C



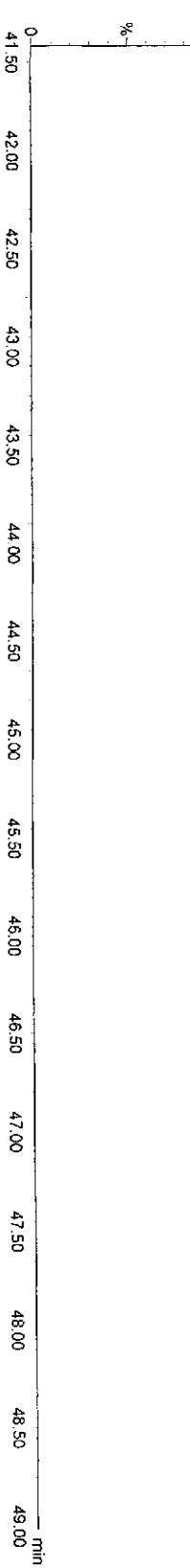
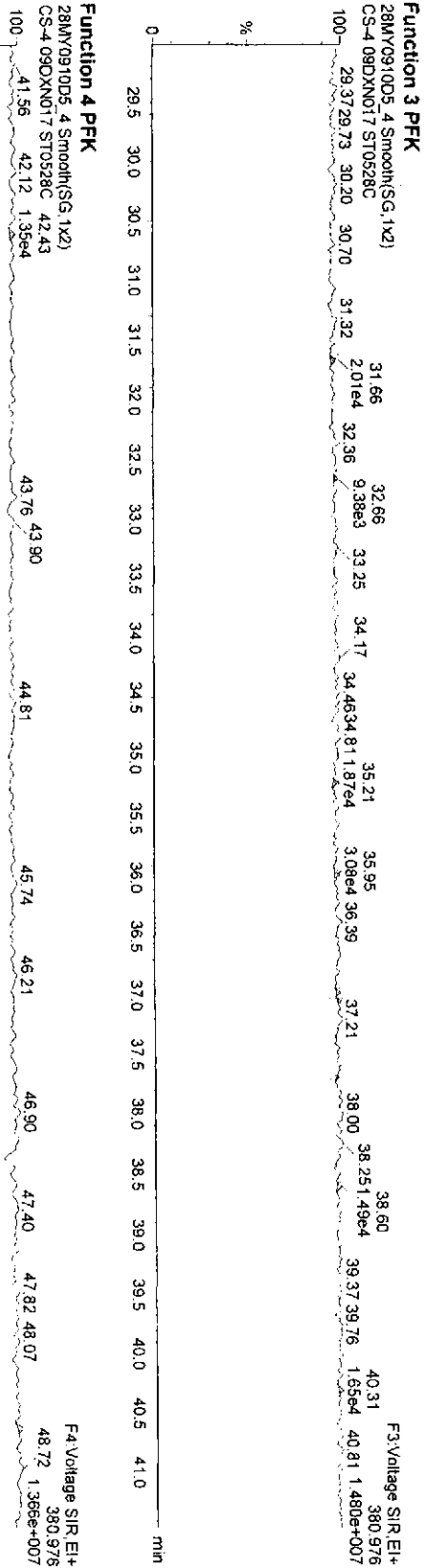
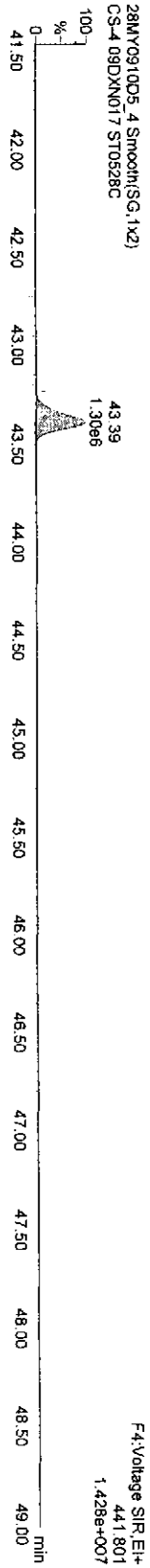
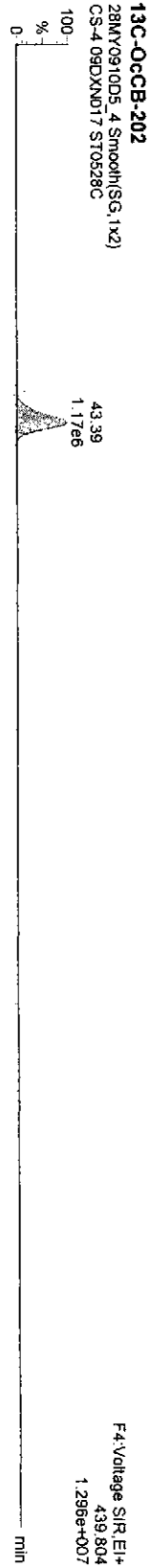
28MY0910D5\_4 Smooth(SG, 1x2)  
CS-4 09DXN017 ST0528C



Dataset: C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_4, Date: 28-May-2009, Time: 12:01:57, ID: ST0528C, Description: CS-4 09DXN017

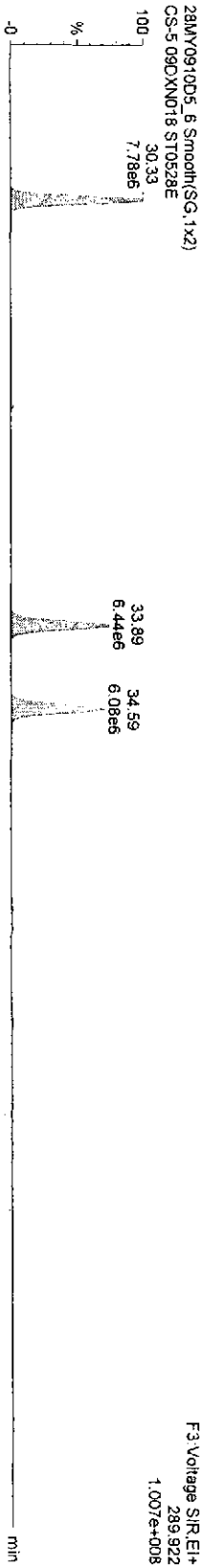


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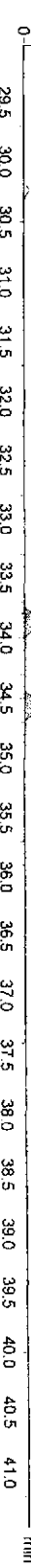
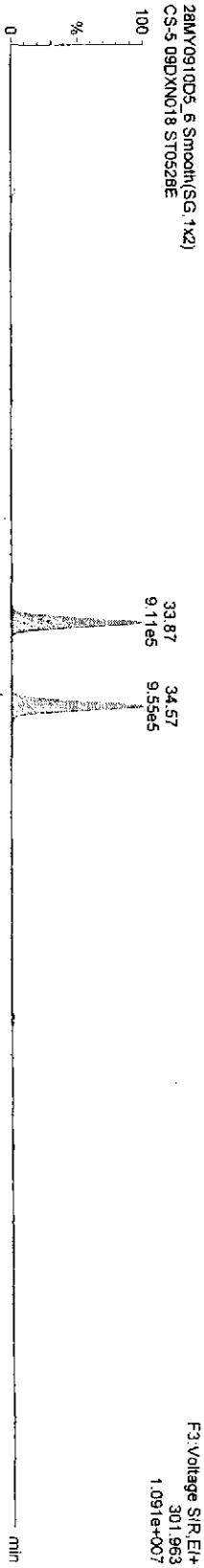
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST0528E, Description: CS-5 09DXN018

**TetraPCBs**



**13C-TetraPCBs**



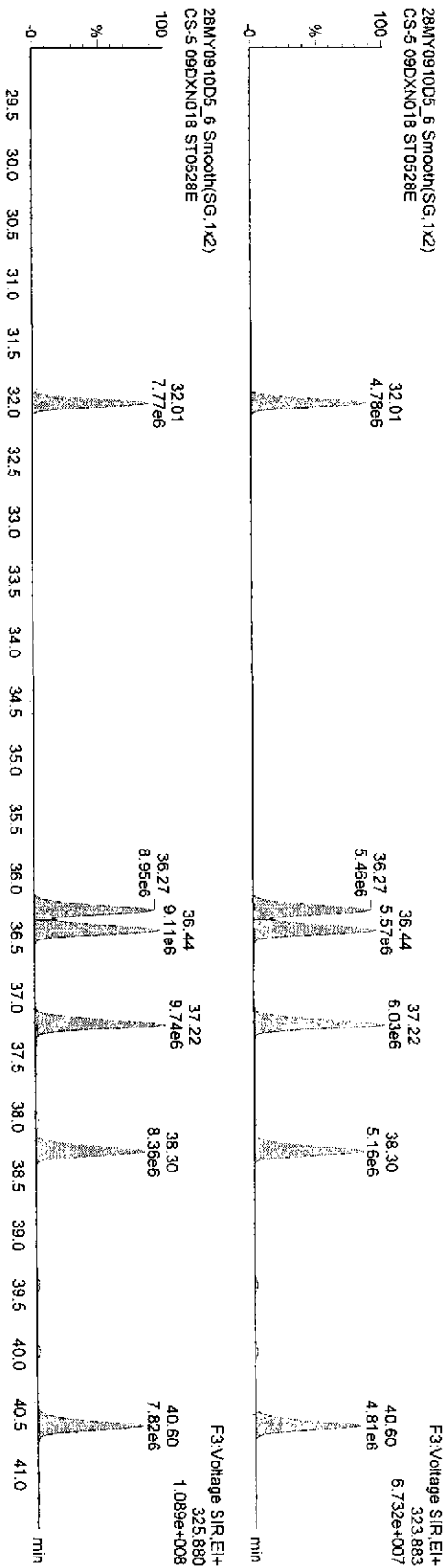


Dataset: C:\MassLynx\Default\proll\CA0528200910D51668MSL.qld

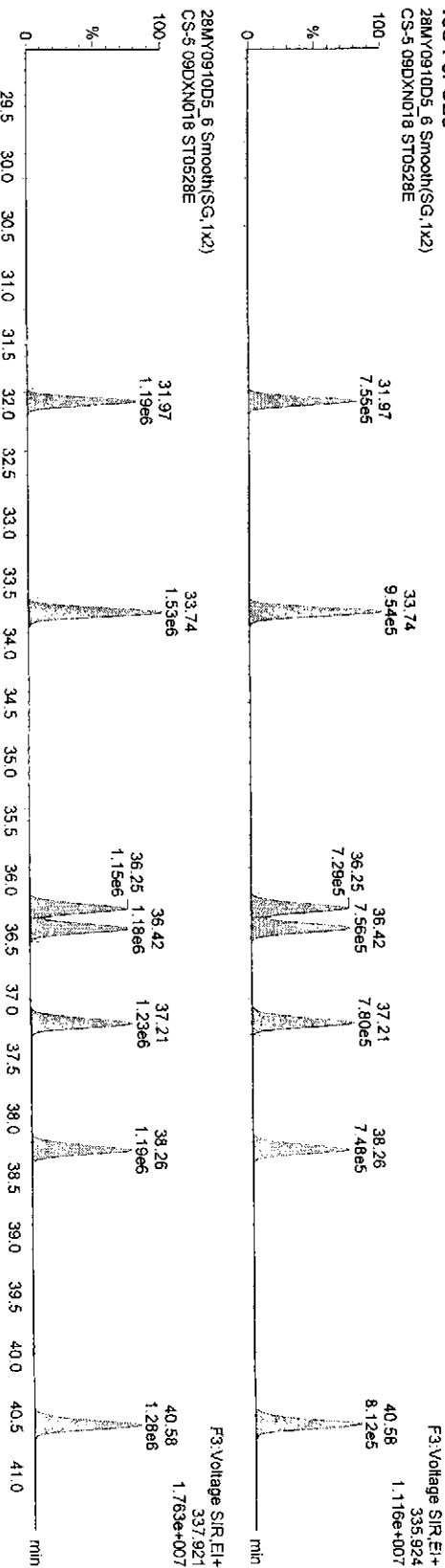
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
 Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST0528E, Description: CS-5 09DXN018

**PePCBs**



**13C-PePCBs**

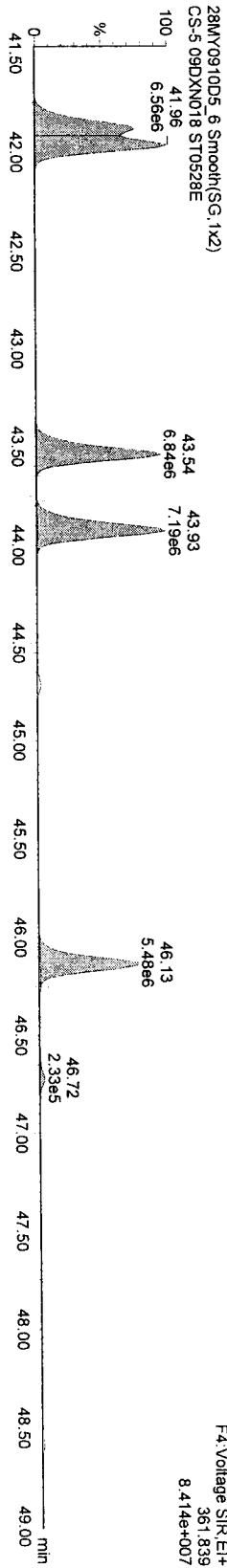
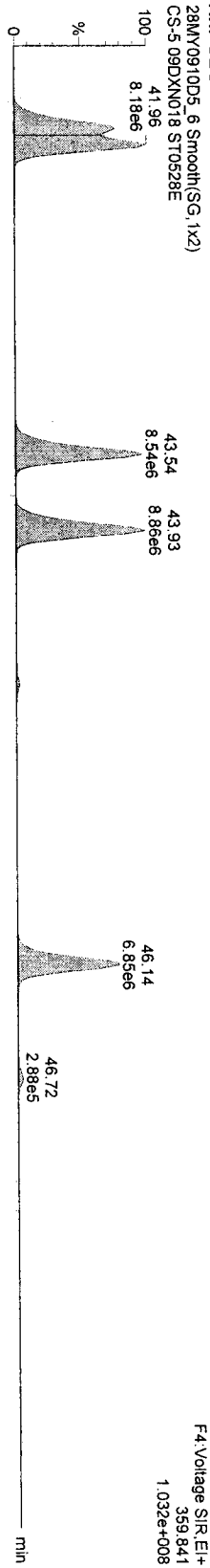


Dataset: C:\MassLynx\Default.pro\CA0528200910D51668MSL.qld

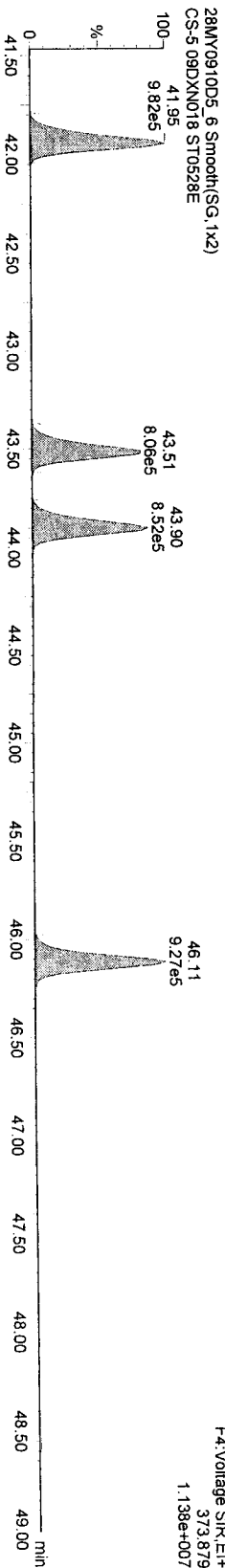
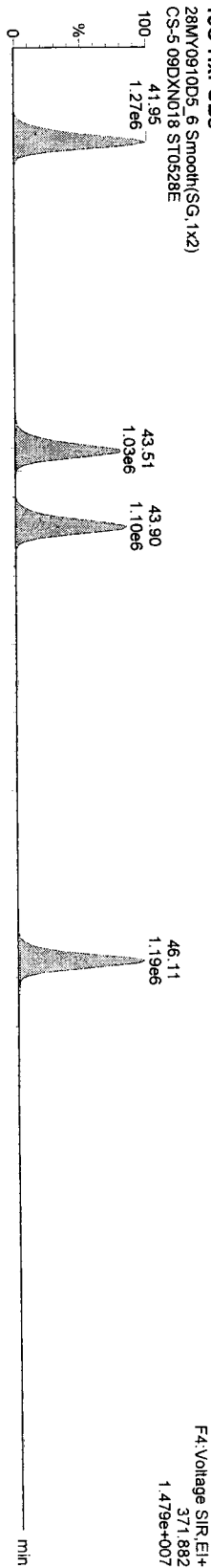
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MW0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST0528E, Description: CS-5-09DXN018

HXPCBs-



13C-HXPCBs



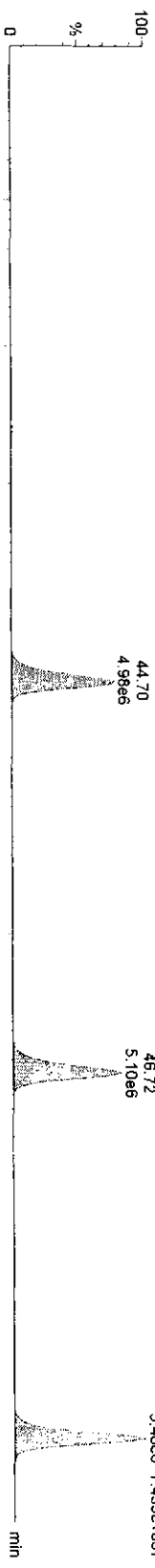
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Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

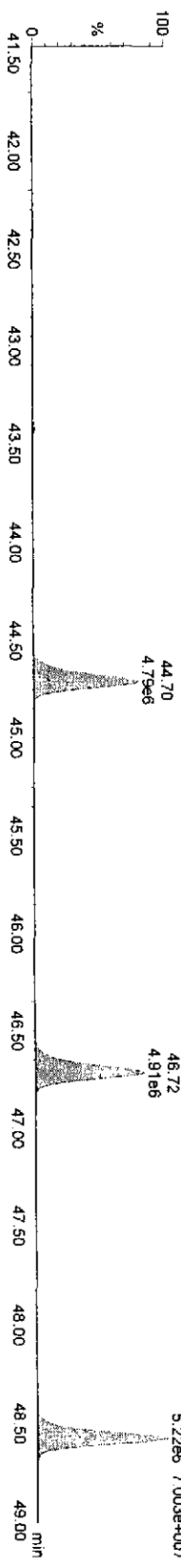
Name: 28MY0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST0528E, Description: CS-5-09DXN018

**HPPCBs**

28MY0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN018 ST0528E

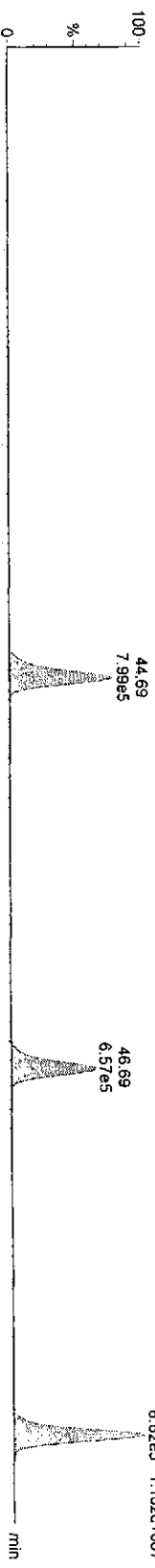


28MY0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN018 ST0528E

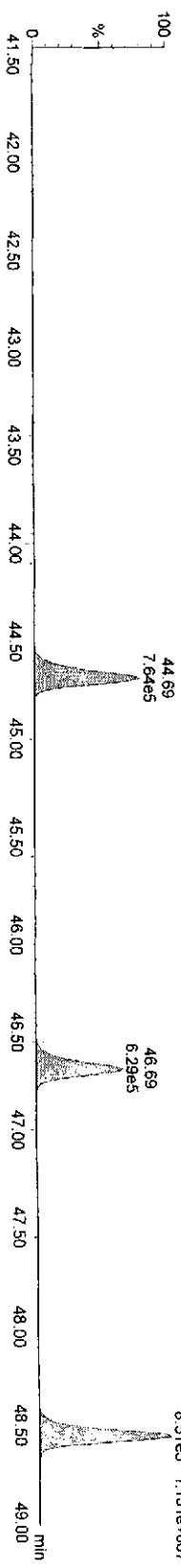


**13C-HPPCBs**

28MY0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN018 ST0528E



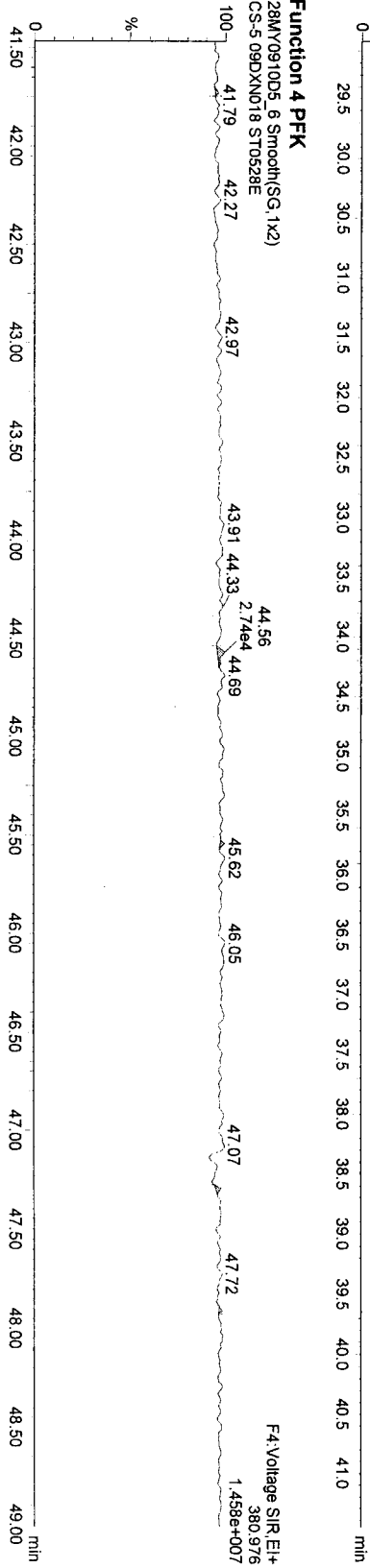
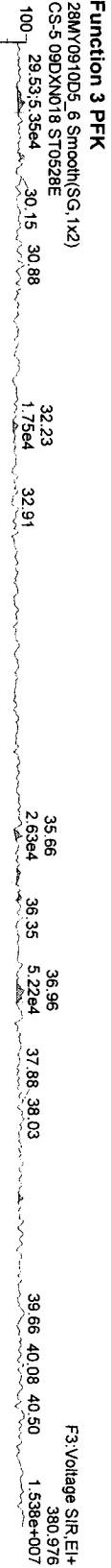
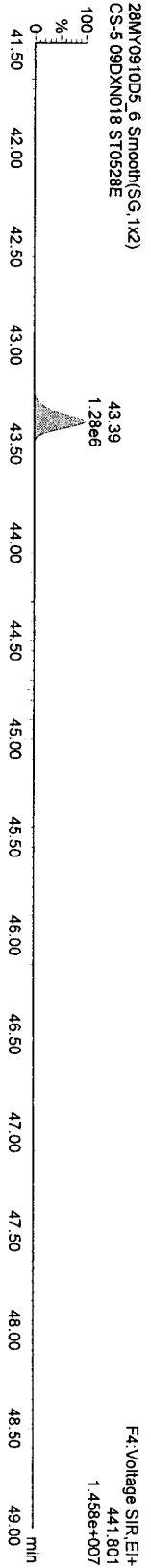
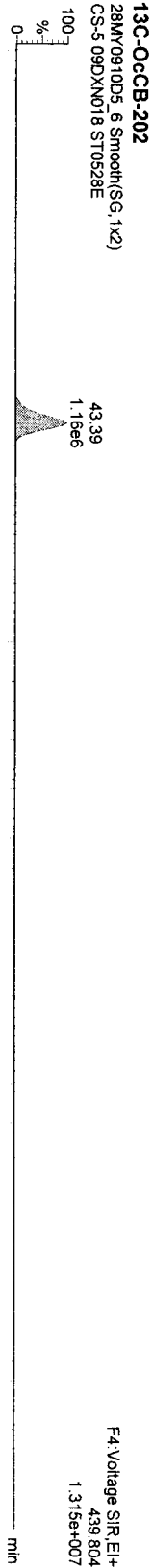
28MY0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN018 ST0528E



Dataset: C:\Masslynx\Default.pro\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MW0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST0528E, Description: CS-5 09DXN018



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

# TestAmerica Sacramento

## High Res Dioxin Group Laboratory Prep Sheet

Lot Number: G9D300218      Batch Number: 9147275      Date: 05/27/09

Test: 1668      SOP Reference Number: \_\_\_\_\_

Extraction:  Sep Funnel     Soxhlet On: \_\_\_\_\_ Off: \_\_\_\_\_  Other: \_\_\_\_\_

Sample #	Sugg. Sample Size	Actual Sample Size	Soxhlet Extraction Init/Date	Split and Archive Init/Date	IFB upper Init/Date	D2 Init/Date	Final Volume Init/Date		
-MB	1/4	2.5 mL	/		05/27/09		20.0 µl	/	
-LCS		2.5 mL					20.0 µl		
-1		2.5 mL					20.0 µl		
-2		2.5 mL		5-26-09			20.0 µl		5-27-09
-3		2.5 mL				5-27-09	20.0 µl		
-4		2.5 mL					20.0 µl		
-5		2.5 mL				20.0 µl	5-27-09		

All Samples  
I.S. ID  
Added Vol/Conc: \_\_\_\_\_ By: \_\_\_\_\_ Witness: \_\_\_\_\_ Date: \_\_\_\_\_

LCS/DCS/MS/MSD  
N.S. ID  
Added Vol/Conc: \_\_\_\_\_ By: \_\_\_\_\_ Witness: \_\_\_\_\_ Date: \_\_\_\_\_

All Samples  
CRS/SURR ID  
Added Vol/Conc: \_\_\_\_\_ By: \_\_\_\_\_ Witness: \_\_\_\_\_ Date: \_\_\_\_\_

All Samples  
R.S. ID  
Added Vol/Conc: 20.0 µl 09DXN094 By: l Witness: cc Date: 5-27-09

Comments (Including Dilution at FV information): \_\_\_\_\_

QC Lot ID: same  
Batch: 9147275

Associated Samples	Batch:	Method:

Extraction Solvent Used: \_\_\_\_\_ Solvent Lot#: \_\_\_\_\_

TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: WM Lot Number: G9D300218 Date: 5/1/09  
 Test: 1668 PCB Batch Number: 9123026 SOP Reference Number: SAC-ID-0013  
 Extraction: 1. Soxhlet On: 11:30 Off: 10:00 2. Soxhlet On: NA Off: NA

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or uL) (circle one)	Final Conc'n
G9D300218 - MB	put head	5/1/09 2/1/09	5/1/09		20.0	
- LCS					20.0	
- 1					20.0	
- 2				J	20.0	J
- 3				5809	20.0	5809
- 4					20.0	
- 5					20.0	

All Samples/ Internal Standard (IS) addition: Standard Name: 1668 daily IS EXP: 12/1/09  
 Spike ID Number: 08DAN3815 Volume: 200 uL Conc. 20 PS/uL  
 Spiked By: CE Witnessed By: SV Date: 5/1/09 3/25/10

LCS/LCSD: Standard Name: 1668 PCB native Spike  
 Spike ID Number: ST20145-08 Volume: 200 uL Conc. 20 PS/uL 7/15/09  
 Spiked By: OR Witnessed By: SV Date: 5/1/09

Pre-spike samples: MB only Standard Name: 1668 PCB pre-spike Surr  
 Spike ID Number: ST20217-08 Volume: 40 uL Conc. 100 PS/uL 8/21/09  
 Spiked By: OR Witnessed By: SV Date: 5/1/09

All Samples /Recovery Standard: Standard Name: Daily RS  
 Spike ID Number: 09DAN094 Volume: 20 uL Conc. 100 PS/uL  
 Spiked By: J Witnessed By: B/G Date: 05-08-09

Split/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
T.L 05/08/09	—	—	T.L 05/08/09	—

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
DCM	JT Baker	NA	20% DCM:Hexane	NA	NA
Toluene	JT Baker	G43N60	85% DCM:Hexane	NA	NA
Hexane	JT Baker	G41E44	Silica Gel	Whatman	22-22
H2SO4	JT Baker	NA	Acid Alumina		NA

Comments: \_\_\_\_\_

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 6/05/09  
Time: 14:44:10

LEV 1	Blank	LEV 1	Weights/Volumes
2	Check	2	Spike & Surrogate Worksheet
	MS/MSD		Vial contains correct volume
			Labels, greenbars, worksheets
			computer batch: correct & all match
			Anomalies to Extraction Method

\*\*\*\*\*  
 \* QC BATCH: 9147275 \*  
 \*\*\*\*\*

Expanded Deliverable  
 COC Completed  
 Bench Sheet Copied  
 Package Submitted to Analytical Group  
 Bench Sheet Copied per COC

PREP DATE: 5/27/09 6:30  
 COMP DATE: 5/27/09 14:00

Reviewer/Date: / 0/00/00

PCBS, HRGC/HRMS (1668)  
SOXHLET (NONE, Na2SO4)

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN# /	TEST FLGS	EXT MTH	MATRIX	INIT/FTN WT/VOL	INIT ADJ1	PH"S ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/04/10	5/28/09	G9D300218-001	IA4RR-2-AA	D	11	Q8 AIR	1.0Sample 20.00uL	NA	NA	NA	.0	.0	
COMMENTS: G9D300218-001													
4/04/10	5/28/09	G9D300218-002	IA4R1-2-AA	D	11	Q8 AIR	1.0Sample 20.00uL	NA	NA	NA	.0	.0	
COMMENTS: G9D300218-002													
4/04/10	5/28/09	G9D300218-003	IA4R2-2-AA	D	11	Q8 AIR	1.0Sample 20.00uL	NA	NA	NA	.0	.0	
COMMENTS: G9D300218-003													
4/04/10	5/28/09	G9D300218-004	IA4R3-2-AA	D	11	Q8 AIR	1.0Sample 20.00uL	NA	NA	NA	.0	.0	
COMMENTS: G9D300218-004													
4/04/10	5/28/09	G9D300218-005	IA4R4-2-AA	D	11	Q8 AIR	1.0Sample 20.00uL	NA	NA	NA	.0	.0	
COMMENTS: G9D300218-005													
4/04/10	0/00/00	G9E270000-275	IDR0M-1-AAB		11	Q8 AIR	1.0Sample 20.00uL	NA	NA	NA	.0	.0	
COMMENTS: G9E270000-275													
4/04/10	0/00/00	G9E270000-275	IDR0M-1-ACC		11	Q8 AIR	1.0Sample 20.00uL	NA	NA	NA	.0	.0	
COMMENTS: G9E270000-275													

R = RUSH C = CLP  
E = EPA 600 D = EXP.DEL)

NUMBER OF WORK ORDERS IN BATCH: 7



M = CLIENT REQ MS/MSD  
↓

## Preparation Data Review Checklist

Prep Batch(es)

Test: DX1468 PCB

Prep Date: 5/1/09

Holding Times: 4/4/10

NCM: Y N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.		NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: [Signature]

Date: 5/1/09

2<sup>nd</sup> Level Reviewer: [Signature]

Date: 5/8/09

Comments:

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Data Checklist  
HRGCMS/LRGCMS Analyses

Lot ID #: G9D300218 Method ID: 11668  
 Sample # 1 Rx → 5 Rx

	<u>DB-5</u>	<u>DB-225</u>
Data Analyst:	<u>VP</u>	
Date initiated:	<u>6.5.09</u>	
Reviewer:	<u>Shu/909</u>	
Date reviewed:		

QA/QC verification:

	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓		
-Method Blank present?	✓	✓		
-LCS/DCS copy present and meets native recovery criteria?	✓	✓		
-Internal standard recoveries within limits?*	✓	✓		
-Ion ratios within + 15% of theoretical values?	✓	✓		
-Other QC (Dup, MS, SD) within specs?*	NA	NR		

Sample Analysis:

	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Correct sample aliquot used?	✓	✓		
-All raw data present?	✓	✓		
-Standard target DL's used? If RL's are used specify: <u>1000</u>	✓	✓		
-DL's below TDL (LCL (please circle)?)	✓ <u>Ⓟ</u>	Ⓟ		
-All positives reported at levels greater than method blank DL's?	✓	✓		
-Correct RRF's used for method?	✓	✓		
-Internal standard amounts correct for method?	✓	✓		
-Target analytes are not saturated?	✓	✓		
-Dilution/splitting of extract taken into account?	✓	✓		
-Have dilution calculations been verified?	NA	NR		
-Has a manual calculation for the sequence(s) been verified?	✓	✓		
-Are retention times (RT) correct?	✓	✓		
-Manual integrations checked?	✓	✓		

Comments: (Use other side if necessary)

① 97-0092854

\* Recovery limits:

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%***(C14-C16), 25-130%(C17-8), 70-130%(sum.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614	25-150%***

\*\*RPD limits:

50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

May 19, 2009

**TestAmerica Project Number: G9D030338**

PO/Contract: 0742-816-02

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on April 3, 2009. These samples are associated with your KHF SOIL project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

## Table of Contents

# TestAmerica West Sacramento Project Number G9D030338

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5, 6, 7, 8

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture

Samples: 1, 2, 3, 4, 5, 6, 7, 8

Sample Data Sheets

Laboratory QC Reports

Full Raw Data Package

## Case Narrative

### TestAmerica West Sacramento Project Number G9D030338

#### General Comments

As requested, a 10:1 composite was performed on samples 1-8.

#### SOLID, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5, 6, 7, 8, 8

As discussed, the associated method blank contains a positive result for PCB 118 (2.3 pg/g). Since the associated results for this analyte were greater than 5X the amount present in the method blank, no corrective action was performed.

Samples: 1, 2, 3, 4, 5, 6, 7

The extracts for these samples were diluted 5X due to matrix interferences that were observed in the undiluted analyses. The detection limits were elevated accordingly.

Samples: 1, 3, 4, 5, 8

These samples have some high internal standard recoveries. The target analytes associated with these internal standards are 'ND' well below the detection limit except for sample 8. Sample 8 has a positive hit for PCB 156. This target analyte result compares to the value reported for the duplicate analysis performed on this sample. The duplicate analysis had an acceptance recovery for this internal standard. There should be no impact on the data.

Samples: 2, 6

The PCB 77 detection limits were elevated for these samples due to matrix interferences. These elevated detection limits have been flagged with a 'G' qualifier and may be considered maximum possible concentrations.

Samples: 8

The PCB 77 & PCB 123 detection limits were elevated for these samples due to matrix interferences. These elevated detection limits have been flagged with a 'G' qualifier and may be considered maximum possible concentrations.

Sample: 2

This sample had low recoveries for two internal standards. The data quality is not considered affected if the internal standard signal-to-noise ratio is greater than 10:1, which is achieved for all internal standards in the sample. There should be no impact on the data.

## Case Narrative

### TestAmerica West Sacramento Project Number G9D030338

Sample: 8

The PCB 189 result for this sample has been flagged with a 'Q' qualifier since its ion abundance ratio did not meet acceptance criteria. This analyte has been reported as an 'estimated maximum possible concentration' since its quantitation was based on a theoretical ion abundance ratio.

Samples: 1, 2, 3, 4, 5, 6, 7, 8

The duplicate analysis, which was performed on sample 8, has a high RPD for PCB 167.

There are no other anomalies associated with this project.

**TestAmerica Laboratories West Sacramento Certifications/Accreditations**

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	NA

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

**QC Parameter Definitions**

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.



## Sample Summary

### TestAmerica West Sacramento Project Number G9D030338

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
K9LD2	1	090331-SW-01-S TO 10-S-COMPOSITE	3/31/2009 09:55 AM	4/3/2009 09:35 AM
K9LD3	2	090331-NE-01-S TO 10-S COMPOSITE	3/31/2009 12:27 PM	4/3/2009 09:35 AM
K9LD4	3	090331-N-01-S TO 10-S-COMPOSITE	3/31/2009 03:36 PM	4/3/2009 09:35 AM
K9LD5	4	090331-S-01-S TO 10-S-COMPOSITE	3/31/2009 05:59 PM	4/3/2009 09:35 AM
K9LD6	5	090401-NW-01-S TO 10-S-COMPOSITE	4/1/2009 08:35 AM	4/3/2009 09:35 AM
K9LD7	6	090401-B18-01-S TO 10-S-COMPOSITE	4/1/2009 08:50 AM	4/3/2009 09:35 AM
K9LD8	7	090401-W-01-S TO 10-S-COMPOSITE	4/1/2009 01:35 PM	4/3/2009 09:35 AM
K9LD9	8	090401-SE-01-S TO 10-S-COMPOSITE	4/1/2009 03:38 PM	4/3/2009 09:35 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

G9D030338

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

TAL-4124 (1/007)

Client: Chemical Waste Management, Inc. Project Manager: Paul Turek Date: 04/02/09 Chain of Custody Number: 107201

Address: 35251 Old Skyline Road Telephone Number (Area Code)/Fax Number: (559) 386-6151 Lab Number: \_\_\_\_\_ Page: 1 of 1

City: Kettleman City State: CA Zip Code: 93239 Site Contact: Steve Holsinger Lab Contact: Karen Dahl

Project Name and Location (State): XHF Carrier/Waybill Number: FEO EX

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Soil	Sed.	Unknown	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH
090331 - SW-01-S-DVS	3/31/09	9:55		X				X						
090331 - SW-02-S-DVS	3/31/09	10:12		X				X						
090331 - SW-03-S-DVS	3/31/09	10:27		X				X						
090331 - SW-04-S-DVS	3/31/09	10:45		X				X						
090331 - SW-05-S-DVS	3/31/09	11:00		X				X						
090331 - SW-06-S-DVS	3/31/09	11:15		X				X						
090331 - SW-07-S-DVS	3/31/09	11:27		X				X						
090331 - SW-08-S-DVS	3/31/09	11:40		X				X						
090331 - SW-09-S-DVS	3/31/09	11:52		X				X						
090331 - SW-10-S-DVS	3/31/09	12:02		X				X						
090331 - SW-FS-S-DVS	3/31/09	12:35		X				X						
TEMP BLANK	N/A	N/A					X							HOLD - 40ml DIH <sub>2</sub> O

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify): \_\_\_\_\_

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: STD

1. Relinquished By: SE E Flou Date: 04/02/09 Time: 1700

2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: [Signature] Date: 4-3-09 Time: 1315

2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \* 12 WHO 1997 Dioxin-like PCB Condensers per agreement with Wack

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

7 of 485

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

TAL-4124 (10/07)

Client: Chemical Waste Management, Inc. Project Manager: Paul Turek Date: 04/02/09 Chain of Custody Number: 107207  
 Address: 35251 Old Skyline Road Telephone Number (Area Code)/Fax Number: (559) 386-6151 Lab Number:          Page 1 of 1  
 City: Kettleman City State: CA Zip Code: 93239 Site Contact: Steve Holshouser Lab Contact: Karen Dahl  
 Project Name and Location (State): KHF Carrier/Waybill Number: FE0 FX

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH
090331 - NE-01-S - <del>SEH</del> SEH	3-31-09	12:27			X	X	X							
090331 - NE-02-S - <del>SEH</del> SEH	3-31-09	12:10			X	X	X							
090331 - NE-03-S - <del>SEH</del> SEH	3-31-09	11:54			X	X	X							
090331 - NE-04-S - <del>SEH</del> SEH	3-31-09	11:39			X	X	X							
090331 - NE-05-S - <del>SEH</del> SEH	3-31-09	11:26			X	X	X							
090331 - NE-06-S - <del>SEH</del> SEH	3-31-09	11:10			X	X	X							
090331 - NE-07-S - <del>SEH</del> SEH	3-31-09	10:55			X	X	X							
090331 - NE-08-S - <del>SEH</del> SEH	3-31-09	10:40			X	X	X							
090331 - NE-09-S - <del>SEH</del> SEH	3-31-09	10:18			X	X	X							
090331 - NE-10-S - <del>SEH</del> SEH	3-31-09	9:55			X	X	X							
090331 - NE-SPLITS - SEH	03-31-09	12:22			X	X	X							
TEMP BLANK	N/A	N/A			X									

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other STD

QC Requirements (Specify)	Received By	Date	Time
1. Relinquished By	<u>Steve Turek</u>	<u>04/02/09</u>	<u>1700</u>
2. Relinquished By	<u>Cliff Turek</u>	<u>4-3-09</u>	<u>1300</u>
3. Relinquished By			

Comments: \* 12 WHO Dioxin-like PCB Congeners per agreement with Wenck Samplers initials WLB or SEH

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Slays with the Sample; PINK - Field Copy

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1007)

Client: **Chemical Waste Management, Inc.** Date: **04/02/09** Chain of Custody Number: **108094**

Address: **35251 Old Skyline Road** Telephone Number (Area Code)/Fax Number: \_\_\_\_\_ Page: **1** of **1**

City: **Kettleman City** State: **CA** Zip Code: **93239** Lab Contact: **Karen Dahl**

Project Name and Location (State): **KHF** Carrier/Dayoff Number: **FED EX**

Contract/Purchase Order/Quote No.: **0742-816-02**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
090331 - N-01-S-SEH	3-31-09	15:36				X	X	X							
090331 - N-02-S-SEH	3-31-09	15:52				X	X	X							
090331 - N-03-S-SEH	3-31-09	16:05				X	X	X							
090331 - N-04-S-SEH	3-31-09	16:23				X	X	X							
090331 - N-05-S-SEH	3-31-09	16:42				X	X	X							
090331 - N-06-S-SEH	3-31-09	17:02				X	X	X							
090331 - N-07-S-SEH	3-31-09	17:15				X	X	X							
090331 - N-08-S-SEH	3-31-09	17:29				X	X	X							
090331 - N-09-S-SEH	3-31-09	17:42				X	X	X							
090331 - N-10-S-SEH	3-31-09	17:55				X	X	X							
090331 - N-SPTS-SEH	03-31-09	18:00				X	X	X							
TEMP BLANK	N/A	N/A	X												40 ml DTH2O

Sample Disposal:  Return To Client  Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**

GC Requirements (Specify)	1. Received By	Date	Time
	<i>[Signature]</i>	04/02/09	17:00

Comments: \* 12 WHO 1997 Dioxin-Like PCB Congeners per agreement with Wenck.

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes  No

TAL-4124 (1007)

Client: Chemical Waste Management, Inc.  
 Address: 35251 Old Skyline Road  
 City: Kettleman City, State: CA, Zip Code: 93239  
 Project Name and Location (State): XHF  
 Contract/Purchase Order/Quote No.: 0742-816-02

Project Manager: Paul Turek  
 Telephone Number (Area Code)/Fax Number: (559) 386-6151  
 Site Contact: Steve Holshouser  
 Lab Contact: Karen Dahl  
 Carrier/Waybill Number: FE0 EX

Chain of Custody Number: 107203  
 Date: 04/02/09  
 Lab Number: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Analysis (Attach list if more space is needed)

Special Instructions/Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Special Instructions/Conditions of Receipt	
			Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
090331 - S-01-S-R5F	11/4/97	1739		X	X	X	X	X	X	X	X	X	X	
090331 - S-02-S-R5F	16/00	1748		X	X	X	X	X	X	X	X	X	X	
090331 - S-03-S-R5F	16/15	1734		X	X	X	X	X	X	X	X	X	X	
090331 - S-04-S-R5F	17/15	↑		X	X	X	X	X	X	X	X	X	X	
090331 - S-05-S-R5F	17/05	↑		X	X	X	X	X	X	X	X	X	X	
090331 - S-06-S-R5F	16/44			X	X	X	X	X	X	X	X	X	X	
090331 - S-07-S-R5F	16/30			X	X	X	X	X	X	X	X	X	X	
090331 - S-08-S-R5F	16/15			X	X	X	X	X	X	X	X	X	X	
090331 - S-09-S-R5F	16/00			X	X	X	X	X	X	X	X	X	X	
090331 - S-10-S-R5F	15/44	3/21/09		X	X	X	X	X	X	X	X	X	X	
090331 - S-SPLITS - DVS	03/31/09	18/10		X										
TEMP BLANK	N/A	N/A		X										40 ml DIH <sub>2</sub> O

Possible Hazard Identification:  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For 12 Months  (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify):

1. Relinquished By: Steve Holshouser Date: 04/02/09 Time: 1700  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: \_\_\_\_\_ Date: 4-3-09 Time: 1300  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \* 12 W40 1997 Dioxin-like PCB Congeners per agreement with Wlenck

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1/07)

Client: Chemical Waste Management, Inc. Date: 04/02/09 Chain of Custody Number: 107205  
 Address: 35251 Old Skyline Road Telephone Number (Area Code)/Fax Number: \_\_\_\_\_  
 City: Kettleman City State: CA Zip Code: 93239 Lab Contact: Karen Dahl Page: 1 of 1  
 Project Name and Location (State): KHF Carrier/Waybill Number: FEO EX

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
090401 - NW-01-S- <del>SEH</del> WLB	4-1-09	8:35		X		X		X							
090401 - NW-02-S- <del>SEH</del> WLB	4-1-09	8:55		X		X		X							
090401 - NW-03-S- <del>SEH</del> WLB	4-1-09	9:10		X		X		X							
090401 - NW-04-S- <del>SEH</del> WLB	4-1-09	9:30		X		X		X							
090401 - NW-05-S- <del>SEH</del> WLB	4-1-09	9:45		X		X		X							
090401 - NW-06-S-SEH	4-1-09	10:00		X		X		X							
090401 - NW-07-S-SEH	4-1-09	10:12		X		X		X							
090401 - NW-08-S-SEH	4-1-09	10:29		X		X		X							
090401 - NW-09-S-SEH	4-1-09	10:47		X		X		X							
090401 - NW-10-S-SEH	4-1-09	11:00		X		X		X							
090401 - NW-SPLITS-WLB	04-01-09	11:05		X		X		X							

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: STD

1. Relinquished By: Steve Dahl Date: 04/02/09 Time: 17:00  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \* 12 WHO 1997 Dioxin-like PCB Congeners per agreement with Wenck  
 DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1007)

Client: **Chemical Waste Management, Inc.**  
 Address: **35251 Old Skyline Road**  
 City: **Kefferman City** State: **CA** Zip Code: **93239**

Project Name and Location: **KHF**

Project Manager: **Paul Turek**  
 Telephone Number (Area Code)/Fax Number: **(559) 386-6151**

Date: **04/02/09** Chain of Custody Number: **108098**  
 Lab Number: \_\_\_\_\_ Page: **1** of **1**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		
090401 - B18-01-S-RJF	4/1/09	8:50			X	X	X	X	X	X	X	X	X	
090401 - B18-02-S-RJF	4/1/09	9:05			X	X	X	X	X	X	X	X	X	
090401 - B18-03-S-RJF	4/1/09	9:20			X	X	X	X	X	X	X	X	X	
090401 - B18-04-S-RJF	4/1/09	9:26			X	X	X	X	X	X	X	X	X	
090401 - B18-05-S-RJF	4/1/09	9:45			X	X	X	X	X	X	X	X	X	
090401 - B18-06-S-RJF	4/1/09	10:08			X	X	X	X	X	X	X	X	X	
090401 - B18-07-S-RJF	4/1/09	10:24			X	X	X	X	X	X	X	X	X	
090401 - B18-08-S-RJF	4/1/09	10:37			X	X	X	X	X	X	X	X	X	
090401 - B18-09-S-RJF	4/1/09	10:55			X	X	X	X	X	X	X	X	X	
090401 - B18-10-S-RJF	4/1/09	11:07			X	X	X	X	X	X	X	X	X	
090401 - B18-FS-S-RJF	4/1/09	11:23			X	X	X	X	X	X	X	X	X	HOLD - 40m / DIH <sub>2</sub> O
TEMP BLANK	N/A	N/A			X									

Site Contact: **Steve Holsrouser** Lab Contact: **Karen Dahl**  
 Carrier/Vehicle Number: **FED EX**

Analysis (Attach list if more space is needed):  
 \* 0880

Sample Disposal:  Return To Client  Disposal By Lab  Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**

1. Relinquished By: **SE E Ak** Date: **04/02/09** Time: **1700**  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: **[Signature]** Date: **4-3-09** Time: **1330**  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **\*12 1997 WHO Dioxin-like PCB Congeners per agreement with Newark**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

TAL-4124 (1007)

Client: **Chemical Waste Management, Inc.**  
 Address: **35251 Old Skyline Road**  
 City: **Kettleman City** State: **CA** Zip Code: **93239**  
 Project Name and Location (State): **KHF**  
 Contract/Purchase Order/Quote No.: **0742-816-02**

Project Manager: **Paul Turek**  
 Telephone Number (Area Code)/Fax Number: **(559) 386-6151**  
 Site Contact: **Steve Holsheiser** Lab Contact: **Karen Dahl**  
 Carrier/Maybill Number: **FED EX**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc			HNO3	
090401 - W-01-S- <del>816-02</del> w/b	4-1-09	13:35			X	X	X	X	X	X	X	X	X	X		
090401 - W-02-S- <del>816-02</del> w/b	4-1-09	13:44			X	X	X	X	X	X	X	X	X	X		
090401 - W-03-S- <del>816-02</del> w/b	4-1-09	13:55			X	X	X	X	X	X	X	X	X	X		
090401 - W-04-S- <del>816-02</del> w/b	4-1-09	14:05			X	X	X	X	X	X	X	X	X	X		
090401 - W-05-S- <del>816-02</del> w/b	4-1-09	14:25			X	X	X	X	X	X	X	X	X	X		
090401 - W-06-S- <del>816-02</del> w/b	4-1-09	14:35			X	X	X	X	X	X	X	X	X	X		
090401 - W-07-S- <del>816-02</del> w/b	4-1-09	14:45			X	X	X	X	X	X	X	X	X	X		
090401 - W-08-S- <del>816-02</del> w/b	4-1-09	15:00			X	X	X	X	X	X	X	X	X	X		
090401 - W-09-S- <del>816-02</del> w/b	4-1-09	15:10			X	X	X	X	X	X	X	X	X	X		
090401 - W-10-S- <del>816-02</del> w/b	4-1-09	15:25			X	X	X	X	X	X	X	X	X	X		
TEMP BLANK	N/A	N/A			X											40N/12A-DIH <sub>2</sub> O

Possible Hazard Identification:  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other STD

1. Relinquished By: **Steve E Holsheiser** Date: **04/02/09** Time: **1700**  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **\* 12 WHO 1997 Dioxin-Like PCB Congeners per agreement with Wack**  
 DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



**Chain of Custody Record**

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

TAL-4124 (1007)  
 Client: **Chemical Waste Management, Inc.**  
 Address: **35251 Old Skyline Road**  
 City: **Kettleman City** State: **CA** Zip Code: **93239**  
 Project Name and Location (State): **KHF**  
 Project Manager: **Paul Turck** Date: **04/02/09** Chain of Custody Number: **108095**  
 Telephone Number (Area Code)/Fax Number: **(559) 386-6151** Lab Number: \_\_\_\_\_ Page **1** of **1**

Site Contact: **Steve Holthausen** Lab Contact: **Karen Dahl**  
 Carrier/Van/Trailer Number: **FEO EX**  
 Contract/Purchase Order/Quote No.: **0742-816-02**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH
090401 - SE-01-S - R5F	4/1/09	1538			X	X	X	X	X	X	X	X	X	
090401 - SE-02-S - R5F	4/1/09	1528			X	X	X	X	X	X	X	X	X	
090401 - SE-03-S - R5F	4/1/09	1517			X	X	X	X	X	X	X	X	X	
090401 - SE-04-S - R5F	4/1/09	1505			X	X	X	X	X	X	X	X	X	
090401 - SE-05-S - R5F	4/1/09	1452			X	X	X	X	X	X	X	X	X	
090401 - SE-06-S - R5F	4/1/09	1435			X	X	X	X	X	X	X	X	X	
090401 - SE-07-S - R5F	4/1/09	1423			X	X	X	X	X	X	X	X	X	
090401 - SE-08-S - R5F	4/1/09	1413			X	X	X	X	X	X	X	X	X	
090401 - SE-09-S - R5F	4/1/09	1400			X	X	X	X	X	X	X	X	X	
090401 - SE-10-S - R5F	4/1/09	1350			X	X	X	X	X	X	X	X	X	
TEMP BLANK	N/A	N/A												40ml VOA DIH <sub>2</sub> O

Possible Hazard Identification:  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**  
 Turn Around Time Required:  
 1. Relinquished By: **Steve Holthausen** Date: **04/02/09** Time: **1700**  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 1. Received By: **Chy Hzyf** Date: **4-3-09** Time: **1330**  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **\* 12 W/HO 1997 Dioxin-like PCB Congeners per agreement with Wack**  
 DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

CLIENT Wenck PM KD LOG # 57784

LOT# (QUANTIMS ID) C9D620348 QUOTE# 81307 LOCATION WFI - 2<sup>nd</sup> floor

DATE RECEIVED 4-3-09 TIME RECEIVED 9:35 Initials AD Date 4-3-09

- DELIVERED BY
- FEDEX
  - AIRBORNE
  - UPS
  - TAL COURIER
  - OTHER
  - CA OVERNIGHT
  - GOLDENSTATE
  - BAX GLOBAL
  - VALLEY LOGISTICS
  - MORGAN HILL COURIER
  - CLIENT
  - DHL
  - GO-GETTERS

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) Seals

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER

COC #(S) 167201, 207, 108094, 98, 92, 95

TEMPERATURE BLANK Observed: \_\_\_\_\_ Corrected: \_\_\_\_\_

SAMPLE TEMPERATURE Observed: See temp. sheet Average: \_\_\_\_\_ Corrected Average: \_\_\_\_\_

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY \_\_\_\_\_

LABELS CHECKED BY \_\_\_\_\_

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING  
WETCHEM  N/A  
VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)<sup>1</sup>  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Notes: Soil

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.



CLIENT: Wenck LOT# (QUANTIMS ID): 690030338

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER  INITIALS AA DATE 4-30-09

COOLER ID 4  
 CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
 CUSTODY SEAL #(S) 22146, 22494  
 COC #(S) 108097  
 TEMPERATURE BLANK: OBSERVED: 2 CORRECTED: 2  
 SAMPLE TEMPERATURE:  
 OBSERVED: 5 5 6 AVERAGE: 5 CORRECTED: 5  
 SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_

COOLER ID 5  
 CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
 CUSTODY SEAL #(S) 587789, 587769  
 COC #(S) 108099  
 TEMPERATURE BLANK: OBSERVED: 2 CORRECTED: 2  
 SAMPLE TEMPERATURE:  
 OBSERVED: 5 6 7 AVERAGE: 6 CORRECTED: 6  
 SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_

COOLER ID 6  
 CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
 CUSTODY SEAL #(S) 2226, 22196  
 COC #(S) 107201  
 TEMPERATURE BLANK: OBSERVED: 3 CORRECTED: 3  
 SAMPLE TEMPERATURE:  
 OBSERVED: 4 4 5 AVERAGE: 4 CORRECTED: 4  
 SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_

CLIENT: wenck LOT# (QUANTIMS ID): G9D030338

			INITIALS	DATE	
TEMPERATURE RECORD (IN °C)	IR 4 <input type="checkbox"/>	5 <input checked="" type="checkbox"/>	<input type="checkbox"/> OTHER	<u>AK</u>	<u>4-3-09</u>
COOLER ID <u>7</u>					
CUSTODY SEAL STATUS	<input checked="" type="checkbox"/> INTACT	<input type="checkbox"/> BROKEN	<input type="checkbox"/> N/A		
CUSTODY SEAL #(S)	<u>22170, 22200</u>				
COC #(S)	<u>108094</u>				
TEMPERATURE BLANK:	OBSERVED: <u>3</u>	CORRECTED: <u>3</u>			
SAMPLE TEMPERATURE:					
OBSERVED: <u>4 5 6</u>	AVERAGE: <u>5</u>	CORRECTED: <u>5</u>			
SAMPLES / TESTS (IF NCM REQUIRED):					
COOLER ID <u>8</u>					
CUSTODY SEAL STATUS	<input checked="" type="checkbox"/> INTACT	<input type="checkbox"/> BROKEN	<input type="checkbox"/> N/A		
CUSTODY SEAL #(S)	<u>331404, 472368</u>				
COC #(S)	<u>108095</u>				
TEMPERATURE BLANK:	OBSERVED: <u>3</u>	CORRECTED: <u>3</u>			
SAMPLE TEMPERATURE:					
OBSERVED: <u>3 4 5</u>	AVERAGE: <u>4</u>	CORRECTED: <u>4</u>			
SAMPLES / TESTS (IF NCM REQUIRED):					
COOLER ID <u>9</u>					
CUSTODY SEAL STATUS	<input checked="" type="checkbox"/> INTACT	<input type="checkbox"/> BROKEN	<input type="checkbox"/> N/A		
CUSTODY SEAL #(S)	<u>22286, 22254</u>				
COC #(S)	<u>107206</u>				
TEMPERATURE BLANK:	OBSERVED: <u>3</u>	CORRECTED: <u>3</u>			
SAMPLE TEMPERATURE:					
OBSERVED: <u>5 6 7</u>	AVERAGE: <u>6</u>	CORRECTED: <u>6</u>			
SAMPLES / TESTS (IF NCM REQUIRED):					

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE.

QA-185 1/06 DAW, Page 2



Lot ID: \_\_\_\_\_

690030338

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ	10	10	10	10	10	10	10	10	1	1	1	1	1	1						
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

# SOLID, 1668, WHO PCB congeners



Wenck Associates, Inc.

Client Sample ID: 090331-SW-01-S TO 10-S-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D030338-001    Work Order #...: K9LD21AC    Matrix.....: SOLID  
 Date Sampled...: 03/31/09    Date Received...: 04/03/09  
 Prep Date.....: 04/17/09    Analysis Date...: 04/22/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 5  
 % Moisture.....: 2.2

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 105 (BZ)	11 C	10	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 118 (BZ)	15 C,B	10	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	10	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	99	(25 - 150)
13C12-PCB 81	93	(25 - 150)
13C12-PCB 118	105	(25 - 150)
13C12-PCB 114	93	(25 - 150)
13C12-PCB 105	92	(25 - 150)
13C12-PCB 126	90	(25 - 150)
13C12-PCB 167	140	(25 - 150)
13C12-PCB 156	142	(25 - 150)
13C12-PCB 157	143	(25 - 150)
13C12-PCB 169	151 *	(25 - 150)
13C12-PCB 189	152 *	(25 - 150)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight

C Co-eluting isomer

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

\* Surrogate recovery is outside stated control limits

Wenck Associates, Inc.

Client Sample ID: 090331-NE-01-S TO 10-S COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D030338-002    Work Order #...: K9LD31AC    Matrix.....: SOLID  
 Date Sampled...: 03/31/09    Date Received...: 04/03/09  
 Prep Date.....: 04/17/09    Analysis Date...: 04/22/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 5  
 % Moisture.....: 2.4

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	15	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 105 (BZ)	65 C	10	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 118 (BZ)	100 C,B	10	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 156 (BZ)	29	10	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 167 (BZ)	16	10	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	10	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	28	(25 - 150)
13C12-PCB 81	29	(25 - 150)
13C12-PCB 118	27	(25 - 150)
13C12-PCB 114	25 *	(25 - 150)
13C12-PCB 105	24 *	(25 - 150)
13C12-PCB 126	26	(25 - 150)
13C12-PCB 167	30	(25 - 150)
13C12-PCB 156	31	(25 - 150)
13C12-PCB 157	30	(25 - 150)
13C12-PCB 169	38	(25 - 150)
13C12-PCB 189	32	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight

G Elevated reporting limit The reporting limit is elevated due to matrix interference.

C Co-eluting isomer

B Method blank contamination The associated method blank contains the target analyte at a reportable level

\* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: 090331-N-01-S TO 10-S-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D030338-003    Work Order #...: K9LD41AC    Matrix.....: SOLID  
 Date Sampled...: 03/31/09    Date Received...: 04/03/09  
 Prep Date.....: 04/17/09    Analysis Date...: 04/22/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 5  
 % Moisture.....: 0.77

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	10	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>12 C</b>	<b>10</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	10	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>19 C,B</b>	<b>10</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	10	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	106	(25 - 150)
13C12-PCB 81	108	(25 - 150)
13C12-PCB 118	89	(25 - 150)
13C12-PCB 114	93	(25 - 150)
13C12-PCB 105	93	(25 - 150)
13C12-PCB 126	102	(25 - 150)
13C12-PCB 167	151 *	(25 - 150)
13C12-PCB 156	150	(25 - 150)
13C12-PCB 157	152 *	(25 - 150)
13C12-PCB 169	158 *	(25 - 150)
13C12-PCB 189	155 *	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight

C Co-eluting isomer

B Method blank contamination The associated method blank contains the target analyte at a reportable level

\* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: 090331-S-01-S TO 10-S-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D030338-004    Work Order #...: K9LD51AC    Matrix.....: SOLID  
 Date Sampled...: 03/31/09    Date Received...: 04/03/09  
 Prep Date.....: 04/17/09    Analysis Date...: 04/22/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 5  
 % Moisture.....: 0.96

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 105 (BZ)	21 C	10	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 118 (BZ)	29 C,B	10	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	10	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	104	(25 - 150)
13C12-PCB 81	104	(25 - 150)
13C12-PCB 118	94	(25 - 150)
13C12-PCB 114	87	(25 - 150)
13C12-PCB 105	89	(25 - 150)
13C12-PCB 126	96	(25 - 150)
13C12-PCB 167	144	(25 - 150)
13C12-PCB 156	145	(25 - 150)
13C12-PCB 157	141	(25 - 150)
13C12-PCB 169	158 *	(25 - 150)
13C12-PCB 189	149	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight

C Co-eluting isomer

B Method blank contamination The associated method blank contains the target analyte at a reportable level

\* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: 090401-NW-01-S TO 10-S-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D030338-005    Work Order #...: K9LD61AC    Matrix.....: SOLID  
 Date Sampled...: 04/01/09    Date Received...: 04/03/09  
 Prep Date.....: 04/17/09    Analysis Date...: 04/22/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 5  
 % Moisture.....: 1.6

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	10	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>18 C,B</b>	<b>10</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCE 123 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	10	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	102	(25 - 150)
13C12-PCB 81	98	(25 - 150)
13C12-PCB 118	90	(25 - 150)
13C12-PCB 114	94	(25 - 150)
13C12-PCB 105	97	(25 - 150)
13C12-PCB 126	106	(25 - 150)
13C12-PCB 167	146	(25 - 150)
13C12-PCB 156	155 *	(25 - 150)
13C12-PCB 157	149	(25 - 150)
13C12-PCB 169	163 *	(25 - 150)
13C12-PCB 189	161 *	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight

C Co-eluting isomer

B Method blank contamination The associated method blank contains the target analyte at a reportable level

\* Surrogate recovery is outside stated control limits

Wenck Associates, Inc.

Client Sample ID: 090401-B18-01-S TO 10-S-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D030338-006    Work Order #...: K9LD71AC    Matrix.....: SOLID  
 Date Sampled...: 04/01/09    Date Received...: 04/03/09  
 Prep Date.....: 04/17/09    Analysis Date...: 04/22/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 5  
 % Moisture.....: 2.1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	18	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 105 (BZ)	62 C	10	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 118 (BZ)	85 C,B	10	pg/g	EPA-14 1668
PCB 123 (BZ)	ND G	15	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 156 (BZ)	31	10	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 167 (BZ)	13	10	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	10	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	86	(25 - 150)
13C12-PCB 81	85	(25 - 150)
13C12-PCB 118	98	(25 - 150)
13C12-PCB 114	73	(25 - 150)
13C12-PCB 105	74	(25 - 150)
13C12-PCB 126	83	(25 - 150)
13C12-PCB 167	114	(25 - 150)
13C12-PCB 156	117	(25 - 150)
13C12-PCB 157	115	(25 - 150)
13C12-PCB 169	119	(25 - 150)
13C12-PCB 189	115	(25 - 150)

**NOTE (S) :**

- Results and reporting limits have been adjusted for dry weight
- G Elevated reporting limit The reporting limit is elevated due to matrix interference.
  - C Co-eluting isomer
  - B Method blank contamination. The associated method blank contains the target analyte at a reportable level

Wenck Associates, Inc.

Client Sample ID: 090401-W-01-S TO 10-S-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D030338-007    Work Order #...: K9LD81AC    Matrix.....: SOLID  
 Date Sampled...: 04/01/09    Date Received...: 04/03/09  
 Prep Date.....: 04/17/09    Analysis Date...: 04/24/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 5  
 % Moisture.....: 1.8

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	10	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>10 C</b>	<b>10</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	10	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>19 C,B</b>	<b>10</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	10	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	10	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	101	(25 - 150)
13C12-PCB 81	98	(25 - 150)
13C12-PCB 118	87	(25 - 150)
13C12-PCB 114	91	(25 - 150)
13C12-PCB 105	94	(25 - 150)
13C12-PCB 126	106	(25 - 150)
13C12-PCB 167	115	(25 - 150)
13C12-PCB 156	120	(25 - 150)
13C12-PCB 157	119	(25 - 150)
13C12-PCB 169	127	(25 - 150)
13C12-PCB 189	123	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight

C Co-eluting isomer

B Method blank contamination The associated method blank contains the target analyte at a reportable level.

Wenck Associates, Inc.

Client Sample ID: 090401-SE-01-S TO 10-S-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D030338-008    Work Order #...: K9LD91AC    Matrix.....: SOLID  
 Date Sampled...: 04/01/09    Date Received...: 04/03/09  
 Prep Date.....: 04/17/09    Analysis Date...: 04/30/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 1  
 % Moisture.....: 8.5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	10	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 105 (BZ)	33 C	2.2	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 118 (BZ)	46 C,B	2.2	pg/g	EPA-14 1668
PCB 123 (BZ)	ND G	3.6	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 156 (BZ)	10	2.2	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 167 (BZ)	2.7	2.2	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 189 (BZ)	2.6 Q	2.2	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	106	(25 - 150)
13C12-PCB 81	106	(25 - 150)
13C12-PCB 118	91	(25 - 150)
13C12-PCB 114	94	(25 - 150)
13C12-PCB 105	98	(25 - 150)
13C12-PCB 126	103	(25 - 150)
13C12-PCB 167	141	(25 - 150)
13C12-PCB 156	156 *	(25 - 150)
13C12-PCB 157	157 *	(25 - 150)
13C12-PCB 169	167 *	(25 - 150)
13C12-PCB 189	147	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight

G Elevated reporting limit The reporting limit is elevated due to matrix interference

C Co-eluting isomer

B Method blank contamination The associated method blank contains the target analyte at a reportable level.

Q Estimated maximum possible concentration (EMPC)

\* Surrogate recovery is outside stated control limits



Wenck Associates, Inc.

Client Sample ID: 090401-SE-01 TO 10-S-RJF-COMPOSITE DUP

Trace Level Organic Compounds

Lot-Sample #...: G9D030338-008    Work Order #...: K9LD91AD    Matrix.....: SOLID  
 Date Sampled...: 04/01/09    Date Received...: 04/03/09  
 Prep Date.....: 04/17/09    Analysis Date...: 04/30/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 1  
 % Moisture.....: 8.5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	11	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 105 (BZ)	28 C	2.2	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 118 (BZ)	51 C, B	2.2	pg/g	EPA-14 1668
PCB 123 (BZ)	ND G	5.4	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 156 (BZ)	13	2.2	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 167 (BZ)	5.2	2.2	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 189 (BZ)	4.3	2.2	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	104	(25 - 150)
13C12-PCB 81	107	(25 - 150)
13C12-PCB 118	86	(25 - 150)
13C12-PCB 114	90	(25 - 150)
13C12-PCB 105	92	(25 - 150)
13C12-PCB 126	97	(25 - 150)
13C12-PCB 167	141	(25 - 150)
13C12-PCB 156	146	(25 - 150)
13C12-PCB 157	148	(25 - 150)
13C12-PCB 169	157 *	(25 - 150)
13C12-PCB 189	144	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight

G Elevated reporting limit The reporting limit is elevated due to matrix interference

C Co-eluting isomer

B Method blank contamination The associated method blank contains the target analyte at a reportable level.

\* Surrogate recovery is outside stated control limits

# QC DATA ASSOCIATION SUMMARY

G9D030338

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
002	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
003	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
004	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
005	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
006	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
007	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
008	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9D030338      Work Order #...: K98KC1AA      Matrix.....: SOLID  
 MB Lot-Sample #: G9D160000-484  
 Prep Date.....: 04/17/09  
 Analysis Date...: 04/21/09      Prep Batch #...: 9106484  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
PCB 77 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	2.0	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>2.3 C</b>	<b>2.0</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.0	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	79	(25 - 150)
13C12-PCB 81	78	(25 - 150)
13C12-PCB 118	67	(25 - 150)
13C12-PCB 114	70	(25 - 150)
13C12-PCB 105	74	(25 - 150)
13C12-PCB 126	86	(25 - 150)
13C12-PCB 167	102	(25 - 150)
13C12-PCB 156	114	(25 - 150)
13C12-PCB 157	109	(25 - 150)
13C12-PCB 169	124	(25 - 150)
13C12-PCB 189	118	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

C Co-eluting isomer.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9D030338      Work Order #...: K98KC1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9D160000-484  
 Prep Date.....: 04/17/09      Analysis Date...: 04/21/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	200	229	pg/g	114	EPA-14 1668
PCB 81 (BZ)	200	233	pg/g	116	EPA-14 1668
PCB 105 (BZ)	200	260	pg/g	130	EPA-14 1668
PCB 114 (BZ)	200	259	pg/g	129	EPA-14 1668
PCB 118 (BZ)	200	259	pg/g	130	EPA-14 1668
PCB 123 (BZ)	200	255	pg/g	127	EPA-14 1668
PCB 126 (BZ)	200	252	pg/g	126	EPA-14 1668
PCB 156 (BZ)	200	225	pg/g	113	EPA-14 1668
PCB 157 (BZ)	200	230	pg/g	115	EPA-14 1668
PCB 167 (BZ)	200	246	pg/g	123	EPA-14 1668
PCB 169 (BZ)	200	225	pg/g	113	EPA-14 1668
PCB 189 (BZ)	200	208	pg/g	104	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	77	(25 - 150)
13C12-PCB 81	73	(25 - 150)
13C12-PCB 118	60	(25 - 150)
13C12-PCB 114	66	(25 - 150)
13C12-PCB 105	68	(25 - 150)
13C12-PCB 126	80	(25 - 150)
13C12-PCB 167	103	(25 - 150)
13C12-PCB 156	111	(25 - 150)
13C12-PCB 157	108	(25 - 150)
13C12-PCB 169	122	(25 - 150)
13C12-PCB 189	117	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G9D030338      Work Order #...: K98KC1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9D160000-484  
 Prep Date.....: 04/17/09      Analysis Date...: 04/21/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	114	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	116	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	130	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	129	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	130	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	127	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	126	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	113	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	115	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	123	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	113	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	104	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	77	(25 - 150)
13C12-PCB 81	73	(25 - 150)
13C12-PCB 118	60	(25 - 150)
13C12-PCB 114	66	(25 - 150)
13C12-PCB 105	68	(25 - 150)
13C12-PCB 126	80	(25 - 150)
13C12-PCB 167	103	(25 - 150)
13C12-PCB 156	111	(25 - 150)
13C12-PCB 157	108	(25 - 150)
13C12-PCB 169	122	(25 - 150)
13C12-PCB 189	117	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results  
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9D030338      Work Order #...: K9LD71AD-MS      Matrix.....: SOLID  
 MS Lot-Sample #: G9D030338-006      K9LD71AE-MSD  
 Date Sampled...: 04/01/09      Date Received...: 04/03/09  
 Prep Date.....: 04/17/09      Analysis Date...: 04/22/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 5      % Moisture.....: 2.1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
PCB 77 (BZ)	ND	204	259	pg/g	127		EPA-14 1668
	ND	204	260	pg/g	127	0.23	EPA-14 1668
PCB 81 (BZ)	ND	204	236	pg/g	115		EPA-14 1668
	ND	204	230	pg/g	112	2.5	EPA-14 1668
PCB 105 (BZ)	62	204	348	pg/g	140 C		EPA-14 1668
	62	204	330	pg/g	131 C	5.2	EPA-14 1668
PCB 114 (BZ)	ND	204	266	pg/g	130		EPA-14 1668
	ND	204	263	pg/g	129	1.3	EPA-14 1668
PCB 118 (BZ)	85	204	349	pg/g	129 C		EPA-14 1668
	85	204	360	pg/g	134 C	3.0	EPA-14 1668
PCB 123 (BZ)	ND	204	286	pg/g	140		EPA-14 1668
	ND	204	273	pg/g	133	4.9	EPA-14 1668
PCB 126 (BZ)	ND	204	258	pg/g	126		EPA-14 1668
	ND	204	248	pg/g	121	4.1	EPA-14 1668
PCB 156 (BZ)	31	204	275	pg/g	119		EPA-14 1668
	31	204	264	pg/g	114	4.0	EPA-14 1668
PCB 157 (BZ)	ND	204	236	pg/g	116		EPA-14 1668
	ND	204	225	pg/g	110	4.8	EPA-14 1668
PCB 167 (BZ)	13	204	231	pg/g	107		EPA-14 1668
	13	204	246	pg/g	114	6.1	EPA-14 1668
PCB 169 (BZ)	ND	204	226	pg/g	111		EPA-14 1668
	ND	204	219	pg/g	107	3.5	EPA-14 1668
PCB 189 (BZ)	ND	204	219	pg/g	107		EPA-14 1668
	ND	204	209	pg/g	102	4.8	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	97	(25 - 150)
	91	(25 - 150)
13C12-PCB 81	98	(25 - 150)
	94	(25 - 150)
13C12-PCB 118	95	(25 - 150)
	88	(25 - 150)
13C12-PCB 114	84	(25 - 150)
	78	(25 - 150)
13C12-PCB 105	84	(25 - 150)
	79	(25 - 150)
13C12-PCB 126	93	(25 - 150)
	91	(25 - 150)

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MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9D030338      Work Order #...: K9LD71AD-MS      Matrix.....: SOLID  
MS Lot-Sample #: G9D030338-006      K9LD71AE-MSD

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 167	133	(25 - 150)
	132	(25 - 150)
13C12-PCB 156	137	(25 - 150)
	137	(25 - 150)
13C12-PCB 157	132	(25 - 150)
	132	(25 - 150)
13C12-PCB 169	140	(25 - 150)
	137	(25 - 150)
13C12-PCB 189	132	(25 - 150)
	131	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight

C Co-eluting isomer.

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G9D030338      Work Order #...: K9LD71AD-MS      Matrix.....: SOLID  
 MS Lot-Sample #: G9D030338-006      K9LD71AE-MSD  
 Date Sampled...: 04/01/09      Date Received...: 04/03/09  
 Prep Date.....: 04/17/09      Analysis Date...: 04/22/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 5      % Moisture.....: 2.1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	127	(50 - 150)			EPA-14 1668
	127	(50 - 150)	0.23	(0-50)	EPA-14 1668
PCB 81 (BZ)	115	(50 - 150)			EPA-14 1668
	112	(50 - 150)	2.5	(0-50)	EPA-14 1668
PCB 105 (BZ)	140 C	(50 - 150)			EPA-14 1668
	131 C	(50 - 150)	5.2	(0-50)	EPA-14 1668
PCB 114 (BZ)	130	(50 - 150)			EPA-14 1668
	129	(50 - 150)	1.3	(0-50)	EPA-14 1668
PCB 118 (BZ)	129 C	(50 - 150)			EPA-14 1668
	134 C	(50 - 150)	3.0	(0-50)	EPA-14 1668
PCB 123 (BZ)	140	(50 - 150)			EPA-14 1668
	133	(50 - 150)	4.9	(0-50)	EPA-14 1668
PCB 126 (BZ)	126	(50 - 150)			EPA-14 1668
	121	(50 - 150)	4.1	(0-50)	EPA-14 1668
PCB 156 (BZ)	119	(50 - 150)			EPA-14 1668
	114	(50 - 150)	4.0	(0-50)	EPA-14 1668
PCB 157 (BZ)	116	(50 - 150)			EPA-14 1668
	110	(50 - 150)	4.8	(0-50)	EPA-14 1668
PCB 167 (BZ)	107	(50 - 150)			EPA-14 1668
	114	(50 - 150)	6.1	(0-50)	EPA-14 1668
PCB 169 (BZ)	111	(50 - 150)			EPA-14 1668
	107	(50 - 150)	3.5	(0-50)	EPA-14 1668
PCB 189 (BZ)	107	(50 - 150)			EPA-14 1668
	102	(50 - 150)	4.8	(0-50)	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	97	(25 - 150)
	91	(25 - 150)
13C12-PCB 81	98	(25 - 150)
	94	(25 - 150)
13C12-PCB 118	95	(25 - 150)
	88	(25 - 150)
13C12-PCB 114	84	(25 - 150)
	78	(25 - 150)
13C12-PCB 105	84	(25 - 150)
	79	(25 - 150)
13C12-PCB 126	93	(25 - 150)
	91	(25 - 150)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G9D030338      Work Order #...: K9LD71AD-MS      Matrix.....: SOLID  
MS Lot-Sample #: G9D030338-006      K9LD71AE-MSD

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 167	133	(25 - 150)
	132	(25 - 150)
13C12-PCB 156	137	(25 - 150)
	137	(25 - 150)
13C12-PCB 157	132	(25 - 150)
	132	(25 - 150)
13C12-PCB 169	140	(25 - 150)
	137	(25 - 150)
13C12-PCB 189	132	(25 - 150)
	131	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight

C Co-eluting isomer

**SAMPLE DUPLICATE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9D030338      Work Order #...: K9LD91AC -SMP Matrix.....: SOLID  
 SD Lot-Sample #: G9D030338-008      K9LD91AD -DUP  
 Date Sampled...: 04/01/09      Date Received...: 04/03/09  
 Prep Date.....: 04/17/09      Analysis Date...: 04/30/09  
 Prep Batch #...: 9106484  
 Dilution Factor: 1  
 % Moisture.....: 8.5

PARAMETER	SAMPLE RESULT	DUPLICATE RESULT	UNITS	RPD		METHOD
				RPD	LIMIT	
PCB 77 (BZ)	ND	ND	pg/g	0	(0-50)	EPA-14 1668
PCB 81 (BZ)	ND	ND	pg/g	0	(0-50)	EPA-14 1668
PCB 105 (BZ)	33 C	28 C	pg/g	16	(0-50)	EPA-14 1668
PCB 114 (BZ)	ND	ND	pg/g	0	(0-50)	EPA-14 1668
PCB 118 (BZ)	46 C,B	51 C,B	pg/g	12	(0-50)	EPA-14 1668
PCB 123 (BZ)	ND	ND	pg/g	0	(0-50)	EPA-14 1668
PCB 126 (BZ)	ND	ND	pg/g	0	(0-50)	EPA-14 1668
PCB 156 (BZ)	10	13	pg/g	24	(0-50)	EPA-14 1668
PCB 157 (BZ)	ND	ND	pg/g	0	(0-50)	EPA-14 1668
PCB 167 (BZ)	2.7	5.2	pg/g	65	(0-50)	EPA-14 1668
PCB 169 (BZ)	ND	ND	pg/g	0	(0-50)	EPA-14 1668
PCB 189 (BZ)	2.6 Q	4.3	pg/g	49	(0-50)	EPA-14 1668

SURROGATE RECOVERY	SAMPLE % RECOVERY	DUPLICATE % RECOVERY	RECOVERY LIMITS
13C12-PCB 81	106	107	(25 - 150)
13C12-PCB 118	91	86	(25 - 150)
13C12-PCB 114	94	90	(25 - 150)
13C12-PCB 105	98	92	(25 - 150)
13C12-PCB 126	103	97	(25 - 150)
13C12-PCB 167	141	141	(25 - 150)
13C12-PCB 156	156 *	146	(25 - 150)
13C12-PCB 157	157 *	148	(25 - 150)
13C12-PCB 169	167 *	157	(25 - 150)
13C12-PCB 189	147	144	(25 - 150)

**NOTE (S) :**

- Calculations are performed before rounding to avoid round-off errors in calculated results
- Results and reporting limits have been adjusted for dry weight
- C Co-eluting isomer
- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- Q Estimated maximum possible concentration (EMPC)
- \* Surrogate recovery is outside stated control limits

# SOLID, D 2216-90, Percent Moisture

Wenck Associates, Inc.

Client Sample ID: 090331-SW-01-S TO 10-S-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030338-001    Work Order #...: K9LD2    Matrix.....: SOLID  
Date Sampled...: 03/31/09    Date Received..: 04/03/09  
% Moisture.....: 2.2

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	2.2	0.10	%	ASTM D 2216-90	04/28-04/29/09	9118505

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090331-NE-01-S TO 10-S COMPOSITE

General Chemistry

Lot-Sample #....: G9D030338-002      Work Order #....: K9LD3      Matrix.....: SOLID  
Date Sampled....: 03/31/09      Date Received...: 04/03/09  
% Moisture.....: 2.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	2.4	0.10	%	ASTM D 2216-90	04/28-04/29/09	9118505

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090331-N-01-S TO 10-S-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030338-003    Work Order #...: K9LD4    Matrix.....: SOLID  
Date Sampled...: 03/31/09    Date Received..: 04/03/09  
% Moisture.....: 0.77

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Moisture	0.78	0.10	%	ASTM D 2216-90	04/28-04/29/09	9118505

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090331-S-01-S TO 10-S-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030338-004    Work Order #...: K9LD5    Matrix.....: SOLID  
Date Sampled...: 03/31/09    Date Received...: 04/03/09  
% Moisture.....: 0.96

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	0.96	0.10	%	ASTM D 2216-90	04/28-04/29/09	9118505

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090401-NW-01-S TO 10-S-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030338-005    Work Order #...: K9LD6    Matrix.....: SOLID  
Date Sampled...: 04/01/09    Date Received...: 04/03/09  
% Moisture.....: 1.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	1.6	0.10	%	ASTM D 2216-90	04/28-04/29/09	9118505

Dilution Factor: 1



Wenck Associates, Inc.

Client Sample ID: 090401-B18-01-S TO 10-S-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030338-006    Work Order #...: K9LD7    Matrix.....: SOLID  
Date Sampled...: 04/01/09    Date Received..: 04/03/09  
% Moisture.....: 2.1

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	2.1	0.10	%	ASTM D 2216-90	04/28-04/29/09	9118505

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090401-W-01-S TO 10-S-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030338-007      Work Order #...: K9LD8      Matrix.....: SOLID  
Date Sampled...: 04/01/09      Date Received..: 04/03/09  
% Moisture.....: 1.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	1.8	0.10	%	ASTM D 2216-90	04/28-04/29/09	9118505

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090401-SE-01-S TO 10-S-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030338-008      Work Order #...: K9LD9      Matrix.....: SOLID  
Date Sampled...: 04/01/09      Date Received..: 04/03/09  
% Moisture.....: 8.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.5	0.10	%	ASTM D 2216-90	04/28-04/29/09	9118505

Dilution Factor: 1

# QC DATA ASSOCIATION SUMMARY

G9D030338

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
002	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
003	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
004	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
005	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
006	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
007	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267
008	SOLID	ASTM D 2216-90		9118505	9118327
	SOLID	EPA-14 1668		9106484	9110267

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: G9D030338

Work Order #....: K9LD2-SMP  
K9LD2-DUP

Matrix.....: SOLID

Date Sampled...: 03/31/09

Date Received..: 04/03/09

% Moisture.....: 2.2

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Moisture	2.2	2.6	%	15	(0-20)	SD Lot-Sample #: G9D030338-001 ASTM D 2216-90	04/28-04/29/09	9118505

Dilution Factor: 1

# SOLID, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***



Run text: K98KC-1-AA Sample text: K98KC-1-AA :G9D030338-MB  
 Run #11 Filename: 21AP09A9D5 S: 7 I: 1 Results: 21AP09A9D51668MSLDEC  
 Acquired: 21-APR-09 19:46:03 Processed: 22-APR-09 11:11:09  
 Run: 21AP09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.000077 Samp

*RL = 2*

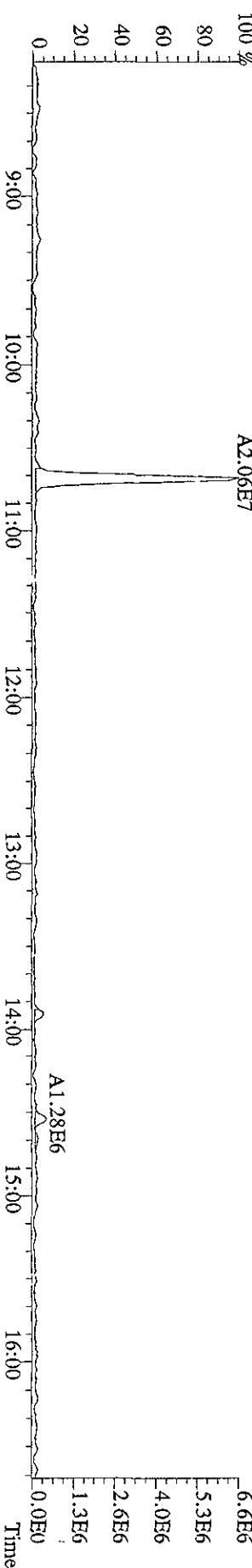
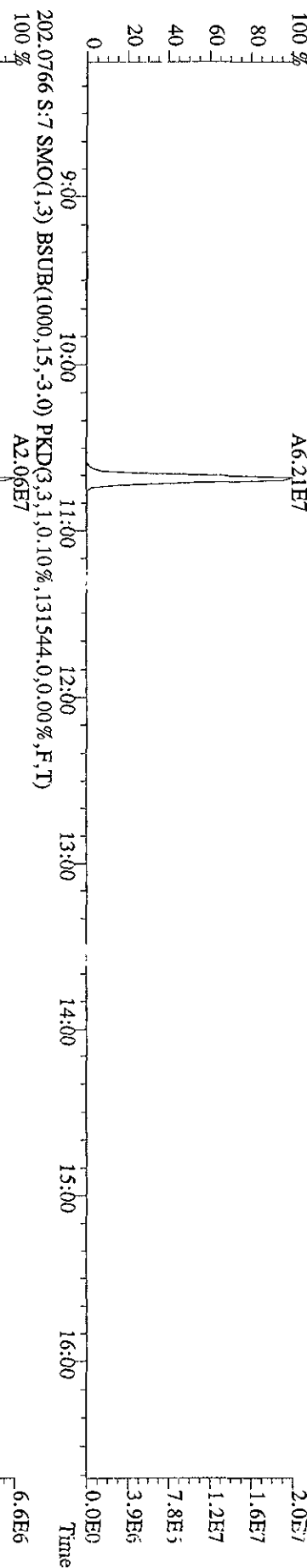
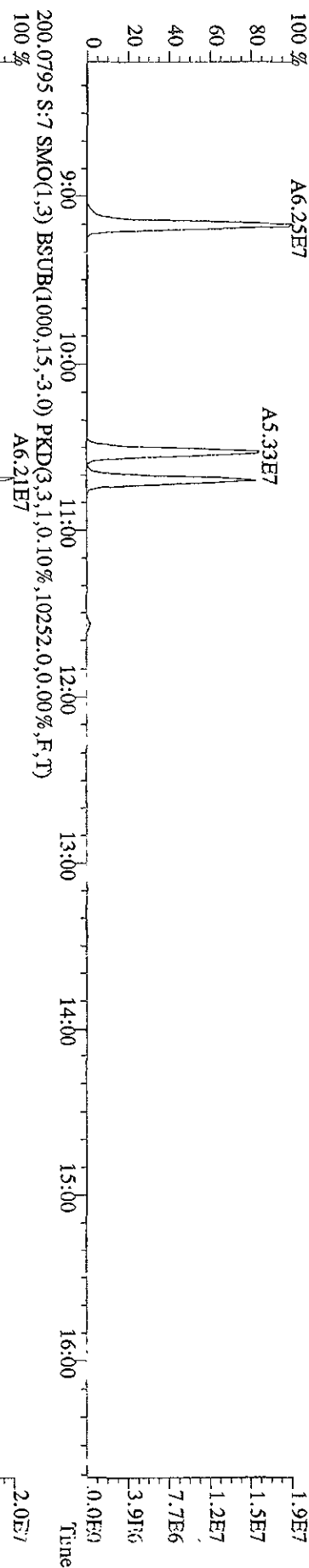
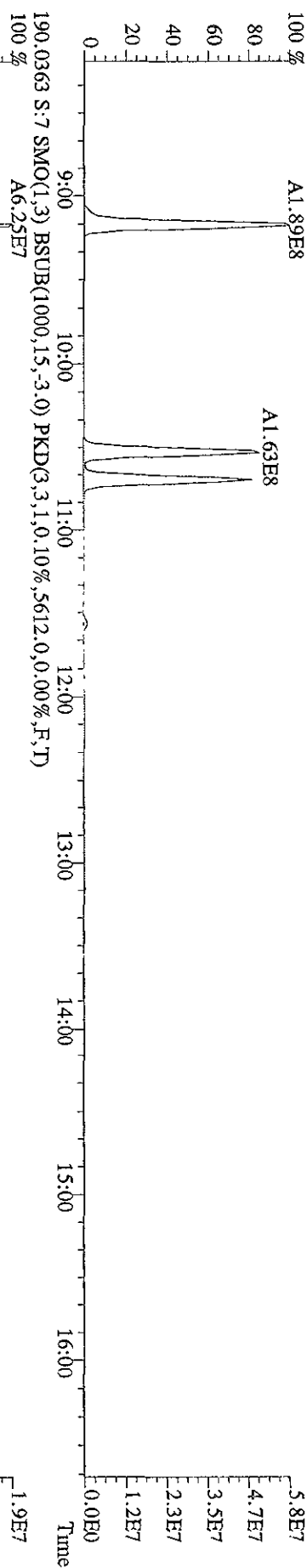
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	207545900	0.65 y	24:47	-	8.49	-	-	n
13C-TCB-81	153979800	0.81 y	26:22	0.95	156.64	0.11	78.3	n
TCB-81	562203	0.96 n	26:23	1.28	0.57	<del>0.13</del>	-	n
13C-TCB-77	161387800	0.81 y	26:55	0.98	158.31	0.11	79.2	n
TCB-77	578668	0.90 n	26:56	1.10	0.65	<del>0.14</del>	-	n
13C-PeCB-123	126106200	0.67 y	28:17	0.87	139.44	0.08	69.7	n
PeCB-123	387172	0.70 y	28:18	1.51	0.41	0.17	-	n
13C-PeCB-118	136379800	0.67 y	28:25	0.98	133.49	0.07	66.7	n
PeCB-118/106	2406575	0.69 y	28:27	1.53	2.31 ✓	J.16	-	n
13C-PeCB-114	139829400	0.66 y	29:04	0.97	139.44	0.07	69.7	n
PeCB-114	315808	0.41 n	29:04	1.59	0.28	0.15	-	n
13C-PeCB-105	137636900	0.66 y	29:56	0.90	147.82	0.07	73.9	n
PeCB-105/127	872505	0.56 y	29:57	1.42	0.89	0.18	-	n
13C-PeCB-126	162066500	0.65 y	31:50	0.91	171.33	0.07	85.7	n
PeCB-126	365964	0.51 n	31:51	1.17	0.38	0.20	-	n
13C-OcCB-202	253486000	0.89 y	34:07	-	9.85	-	-	n
13C-HxCB-167	217020500	1.26 y	32:57	0.84	203.46	0.17	101.7	n
HxCB-167	180353	1.01 n	32:55	1.17	0.14	0.12	-	n
13C-HxCB-156	193497700	1.28 y	34:15	0.67	227.79	0.21	113.9	n
HxCB-156	597300	1.22 y	34:16	1.45	0.43	0.12	-	n
13C-HxCB-157	196019600	1.26 y	34:35	0.71	218.81	0.20	109.4	n
HxCB-157	177145	0.92 n	34:36	1.45	0.12	0.11	-	n
13C-HxCB-169	230331000	1.27 y	36:24	0.73	247.76	0.19	123.9	n
HxCB-169	*	* n	Not Fnd	0.99	*	0.14	-	n
13C-HpCB-180	155057900	1.03 y	35:12	0.58	209.26	0.11	104.6	n
HpCB-180	1387482	1.12 y	35:13	1.27	<del>1.41</del>	0.08	-	n
13C-HpCB-170	129610000	1.03 y	36:51	0.47	215.55	0.13	107.8	n
HpCB-170/190	2323060	1.09 y	36:57	1.61	<del>2.23</del>	0.07	-	n
13C-HpCB-189	179587100	1.02 y	38:29	0.60	236.74	0.11	118.4	n
HpCB-189	338421	1.10 y	38:30	1.21	0.31	0.07	-	n
13C-DeCB-209	114001100	0.73 y	43:43	0.46	195.47	0.12	97.7	n
DECB-209	21425770	0.70 y	43:43	1.50	<del>24.98</del>	0.08	-	n
13C-PeCB-111	162066500	0.65 y	31:50	1.36	176.99	0.09	88.5	n

*Vp 5.6.09*

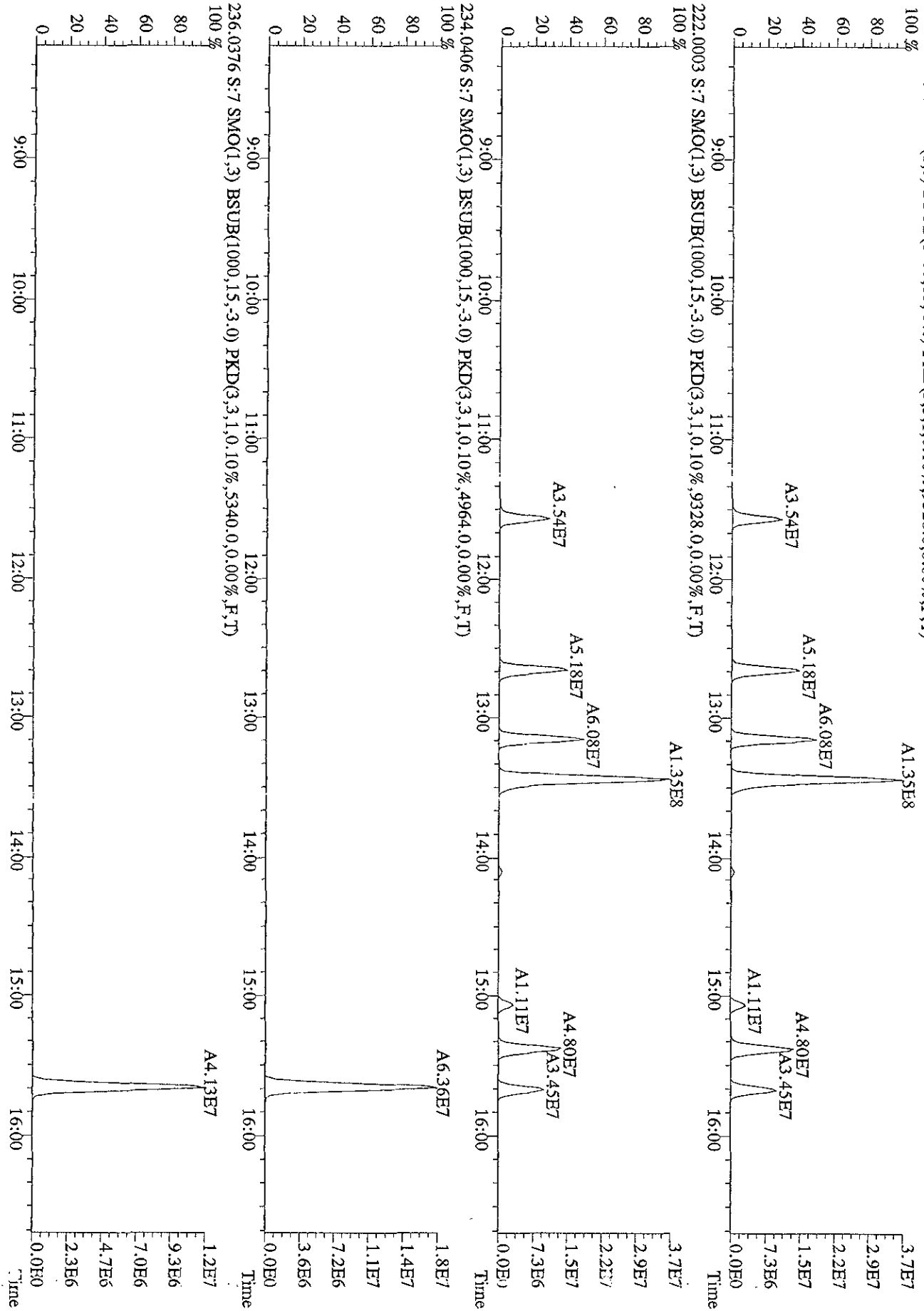
Run text: K98KC-1-AA Sample text: K98KC-1-AA :G9D030338-MB  
 Run #11 Filename: 21AP09A9D5 S: 7 I: 1 Results: 21AP09A9D51668MSLDEC  
 Acquired: 21-APR-09 19:46:03 Processed: 22-APR-09 11:11:09  
 Run: 21AP09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.0000µSamp

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	207546296	0.65 y	24:47	-	8.49	-	-	n
13C-TCB-81	153979776	0.81 y	26:22	0.95	156.64	0.11	78.3	n
TCB-81	562203	0.96 n	26:23	1.28	0.57	0.13	-	n
13C-TCB-77	161387776	0.81 y	26:55	0.98	158.31	0.11	79.2	n
TCB-77	578669	0.90 n	26:56	1.10	0.65	0.14	-	n
13C-PeCB-123	126106220	0.67 y	28:17	0.87	139.44	0.08	69.7	n
PeCB-123	387173	0.70 y	28:18	1.51	0.41	0.17	-	n
13C-PeCB-118	136379832	0.67 y	28:25	0.98	133.49	0.07	66.7	n
PeCB-118/106	2406579	0.69 y	28:27	1.53	2.31	0.16	-	n
13C-PeCB-114	139829488	0.66 y	29:04	0.97	139.44	0.07	69.7	n
PeCB-114	315809	0.41 n	29:04	1.59	0.28	0.15	-	n
13C-PeCB-105	*	* n	NotFnd	0.90	*	0.07	*	n
PeCB-105/127	315809	0.41 n	29:04	1.42	*	*	-	n
13C-PeCB-126	162066444	0.65 y	31:50	0.91	171.33	0.07	85.7	n
PeCB-126	365964	0.51 n	31:51	1.17	0.38	0.20	-	n
13C-OcCB-202	253485456	0.89 y	34:07	-	9.85	-	-	n
13C-HxCB-167	217020312	1.26 y	32:57	0.84	203.46	0.17	101.7	n
HxCB-167	180353	1.01 n	32:55	1.17	0.14	0.12	-	n
13C-HxCB-156	193497552	1.28 y	34:15	0.67	227.79	0.21	113.9	n
HxCB-156	597300	1.22 y	34:16	1.45	0.43	0.12	-	n
13C-HxCB-157	196019888	1.26 y	34:35	0.71	218.81	0.20	109.4	n
HxCB-157	177145	0.92 n	34:36	1.45	0.12	0.11	-	n
13C-HxCB-169	230330376	1.27 y	36:24	0.73	247.76	0.19	123.9	n
HxCB-169	*	* n	NotFnd	0.99	*	0.14	-	n
13C-HpCB-180	155057888	1.03 y	35:12	0.58	209.27	0.11	104.6	n
HpCB-180	1387481	1.12 y	35:13	1.27	<del>1.41</del>	0.08	-	n
13C-HpCB-170	129610072	1.03 y	36:51	0.47	215.56	0.13	107.8	n
HpCB-170/190	2323056	1.09 y	36:57	1.61	<del>2.23</del>	0.07	-	n
13C-HpCB-189	179587144	1.02 y	38:29	0.60	236.74	0.11	118.4	n
HpCB-189	338421	1.10 y	38:30	1.21	0.31	0.07	-	n
13C-DeCB-209	114001060	0.73 y	43:43	0.46	195.47	0.12	97.7	n
DECB-209	21425809	0.70 y	43:43	1.50	24.98	0.08	-	n
13C-PeCB-111	162066444	0.65 y	31:50	1.36	178.15	0.09	89.1	n

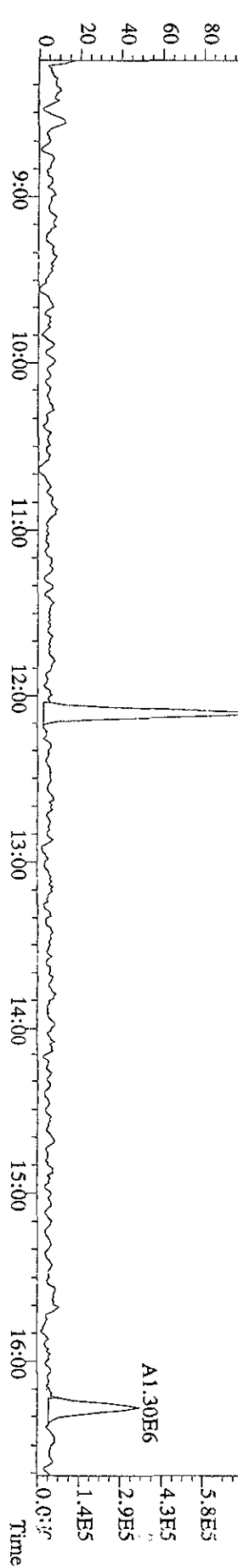
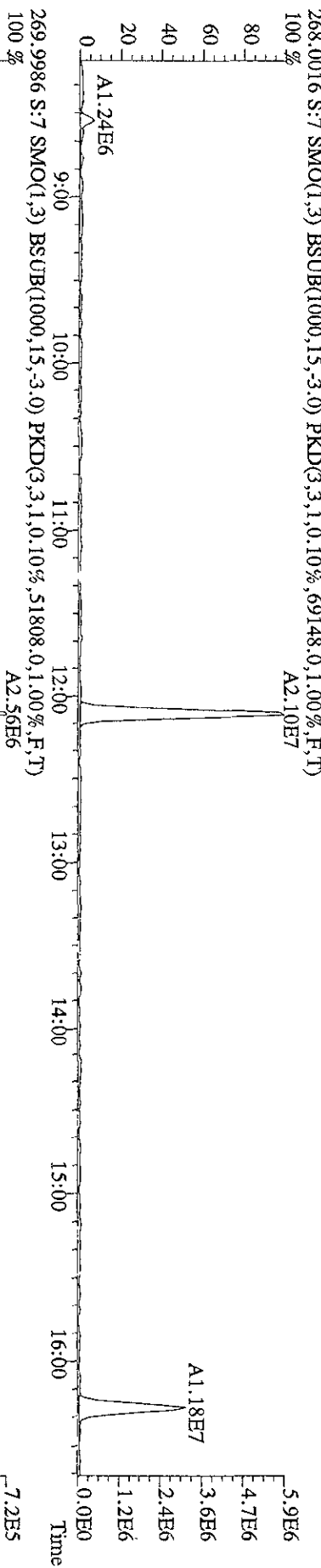
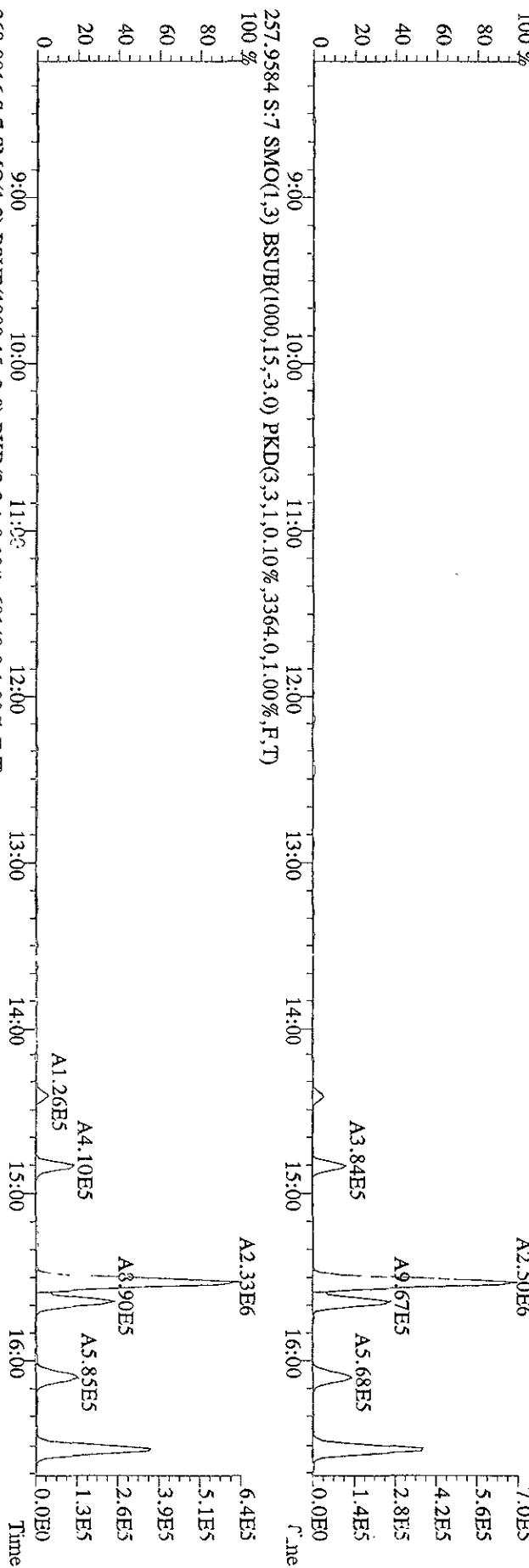
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 Sample#7 Text: K98KC-1-AA : G9D030338-MB Exp: 7:09DB5  
 188.0393 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,8224,0,0,00%,F,T)  
 100% A1.89E8



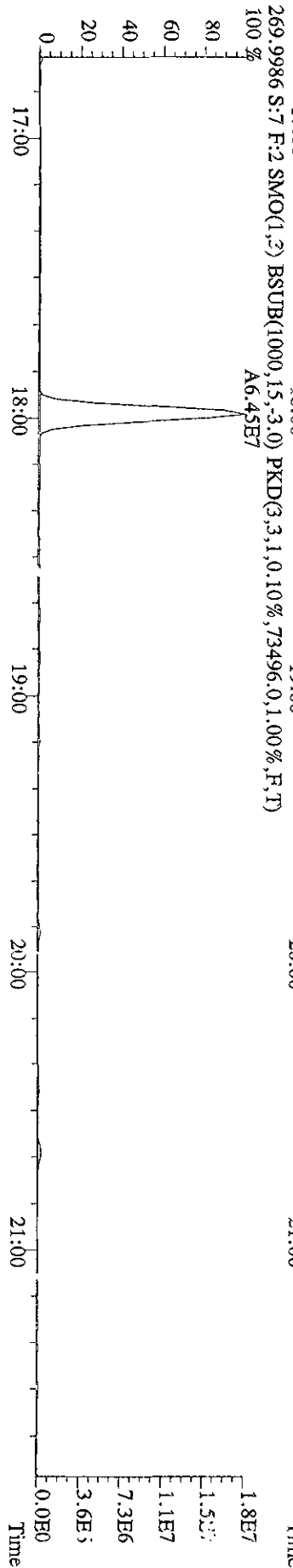
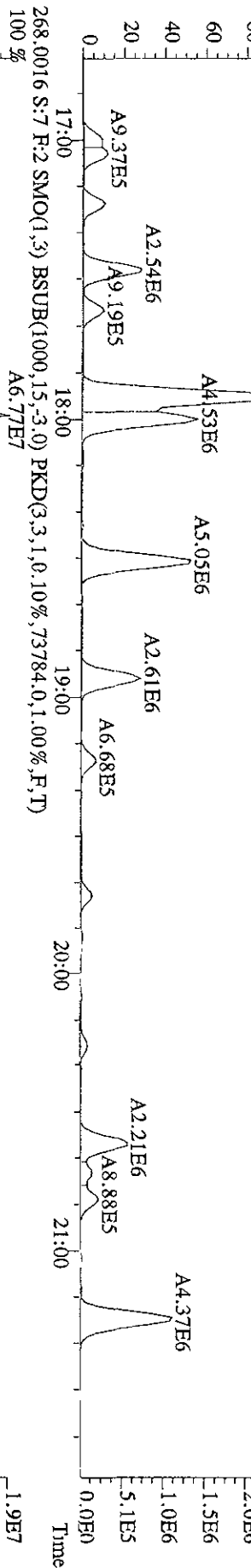
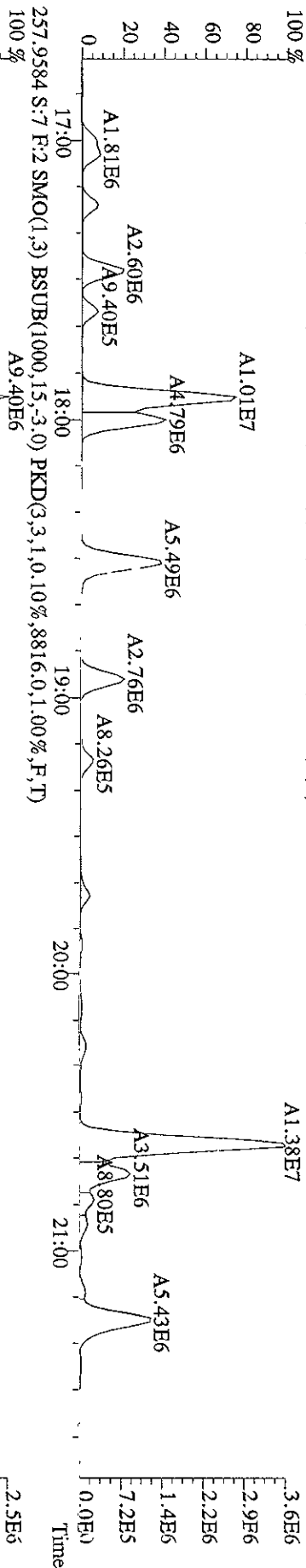
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 Sample#7 Text:K98KC-1-AA :G9D030338-MB Exp:209DB5  
 222.0003 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,9328,0,0,00%,F,T)  
 222.0003 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,9328,0,0,00%,F,T)



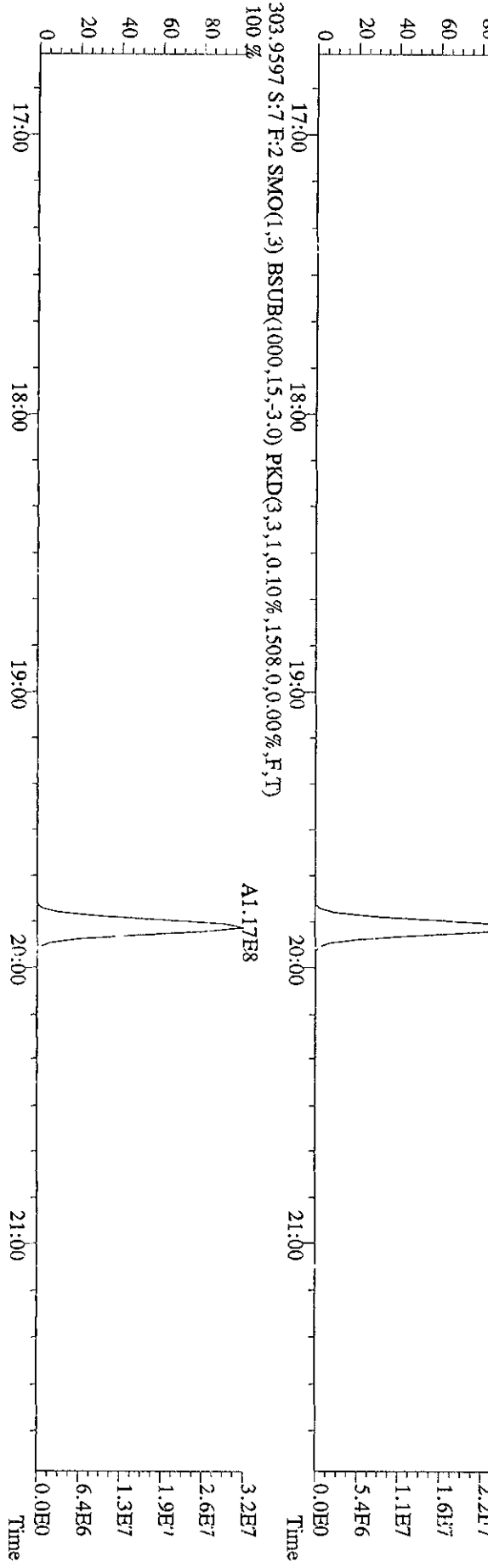
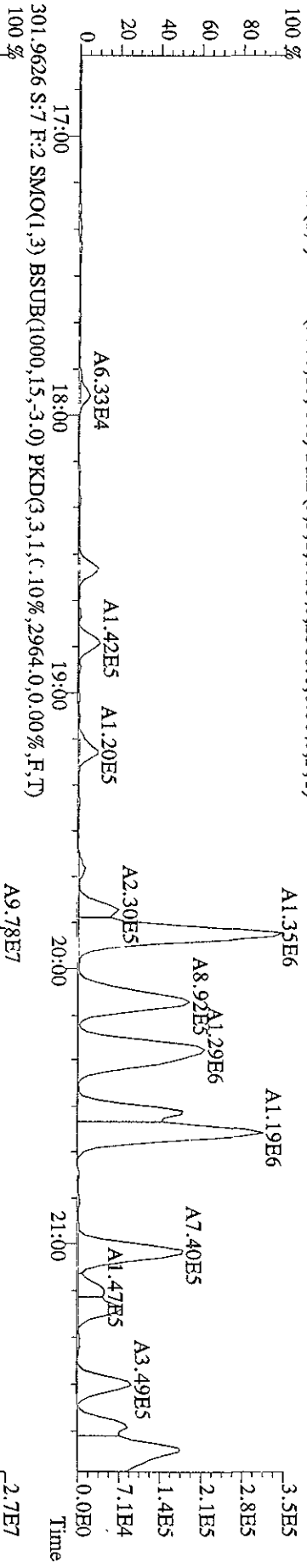
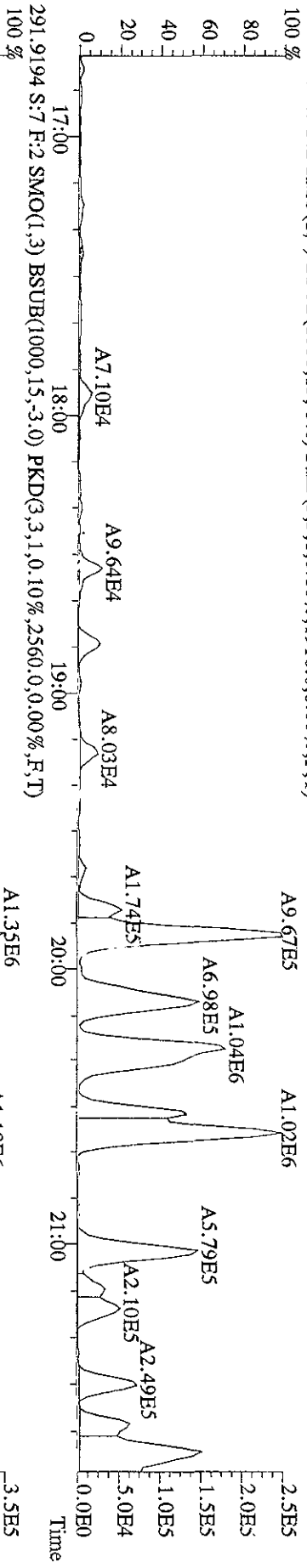
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 Sample#7 Text:K98KC-1-AA :G9D030338-MB Exp:09DB5  
 255.9613 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2552,0,1,00%,F,T)



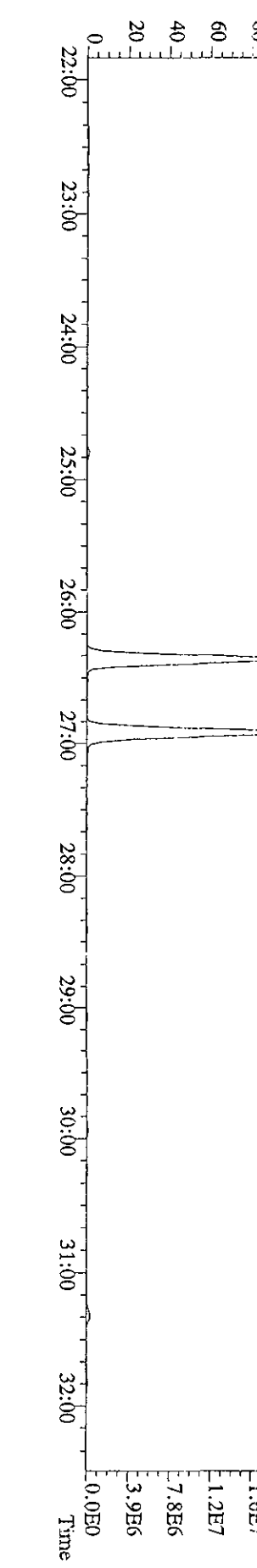
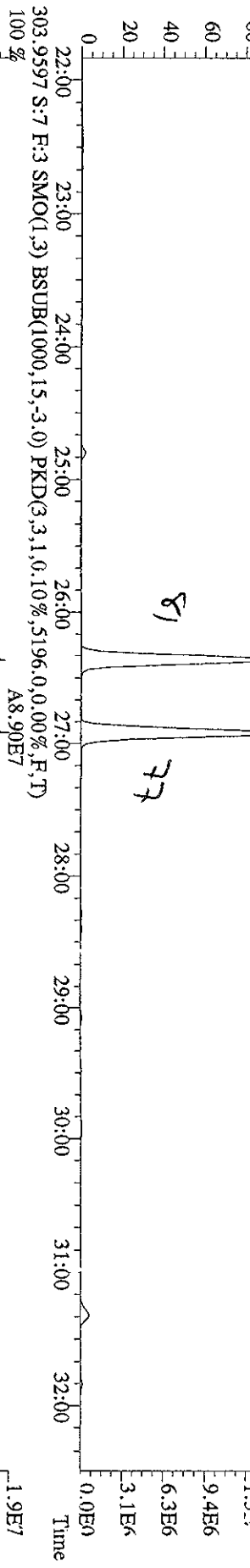
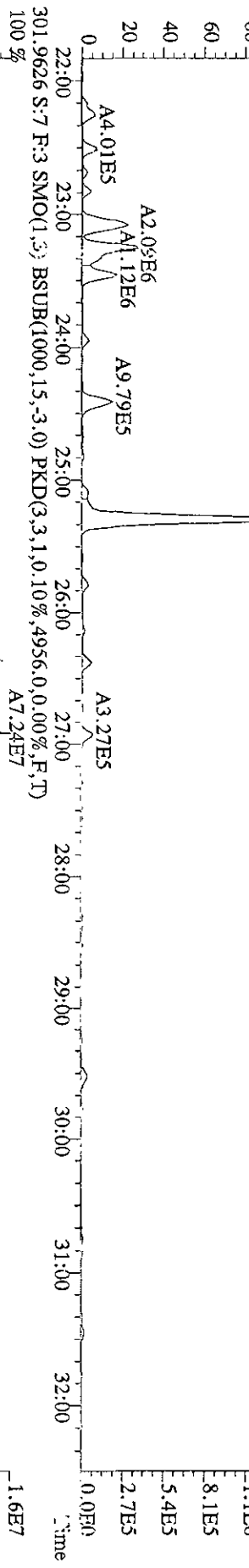
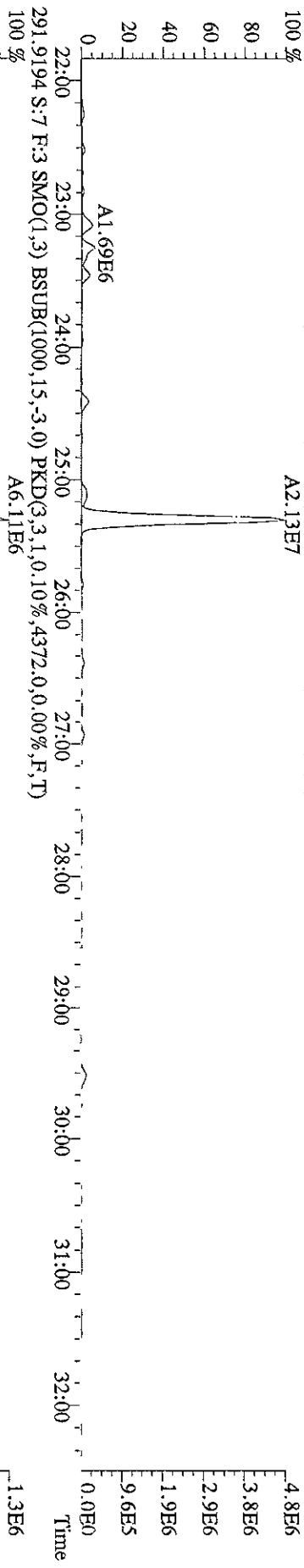
File: 21AP09A9D5 #1-372 Acq: 21-APR-2009 19:46:03 GC EI Voltage SIR Autospec-Ultimate  
 Sample#7 Text: K98KC-1-AA : G9D030338-MB Exp: 209DB5  
 255.9613 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8348.0,1.00%,F,T)  
 100 %



File:21AP09A9D5 #1-372 Acq:21-APR-2009 19:46:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:K98KC-1-AA :G9D030338-MB Exp:209DB5  
 289.9224 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1916.0,0.00%,F,T)

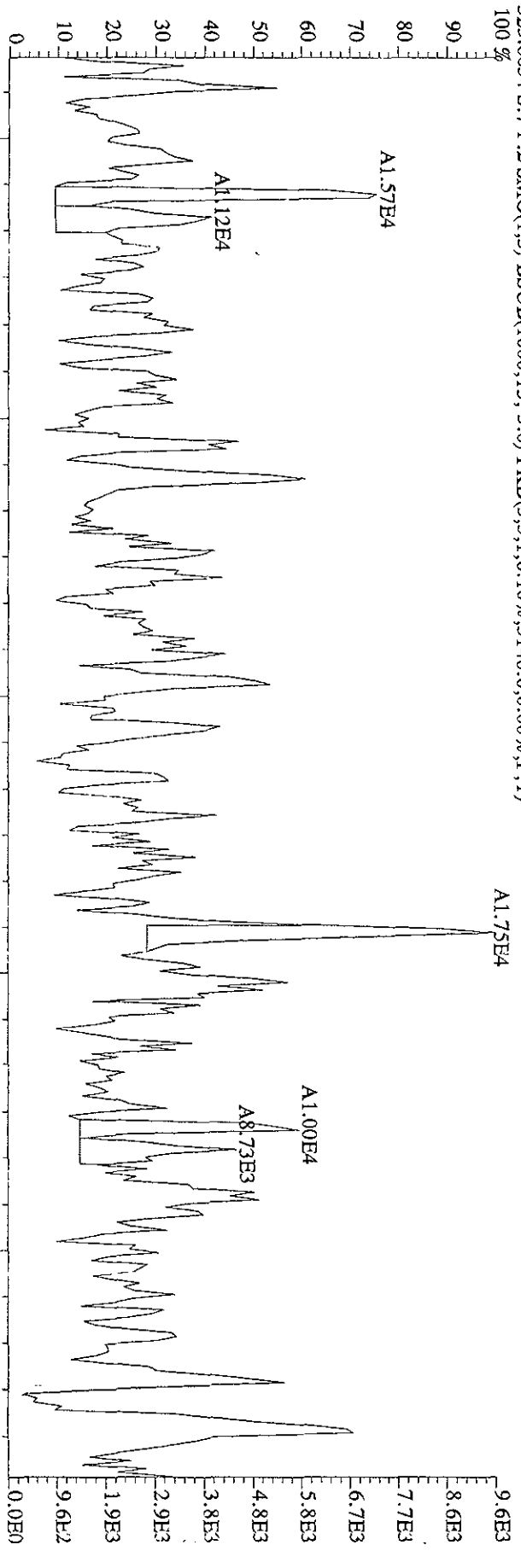


File: 21AP09A9D5 #1-600 Acq: 21-APR-2009 19:46:03 GC-EL+ Voltage: SIR Autospec-Ultimate  
 Sample#7 Text: K98KC-1-AA : G9D030338-MB Exp: 209DB5  
 289.9224 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6688,0,0,00%,F,T)  
 100%

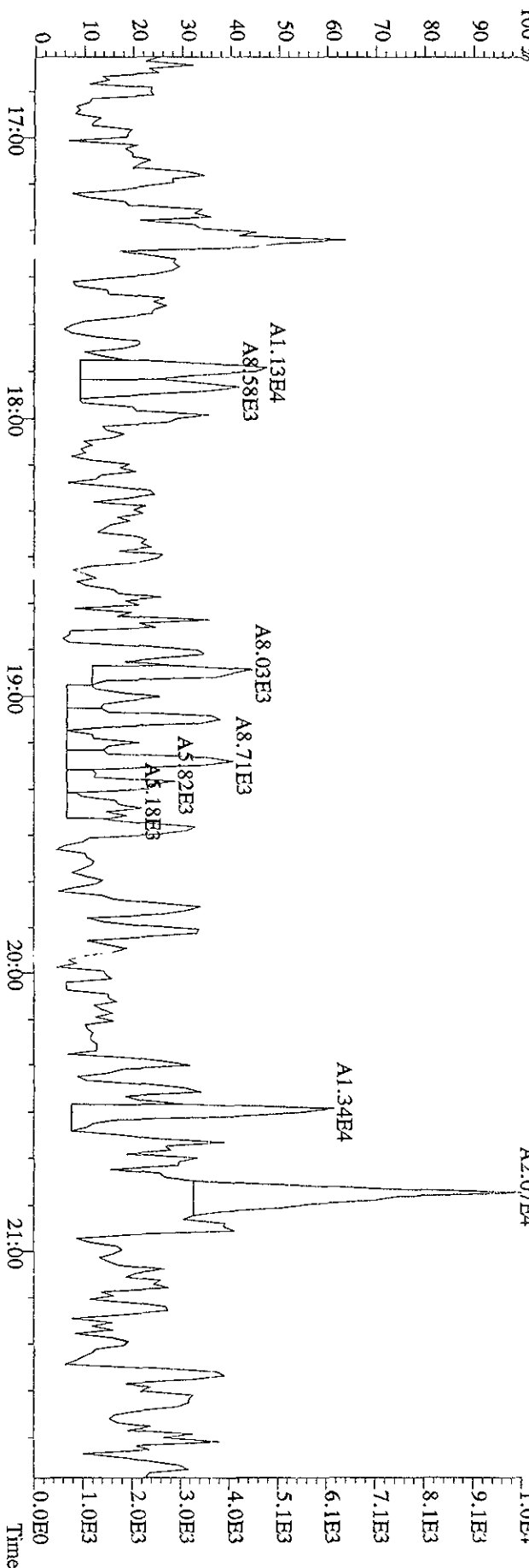




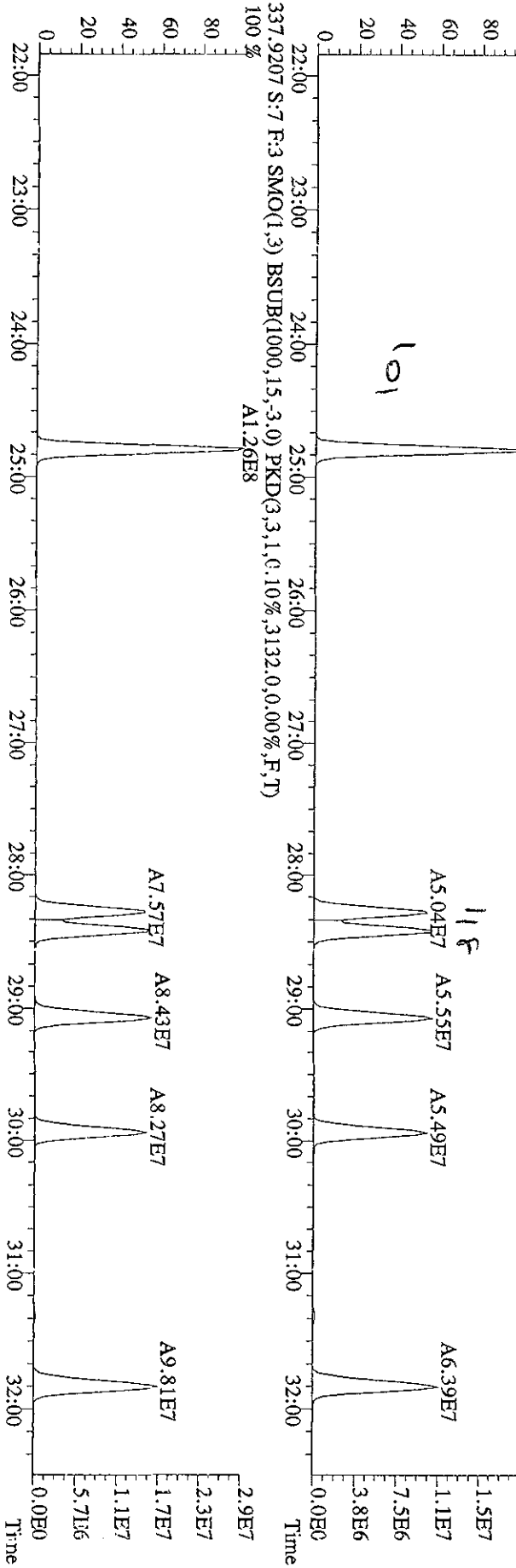
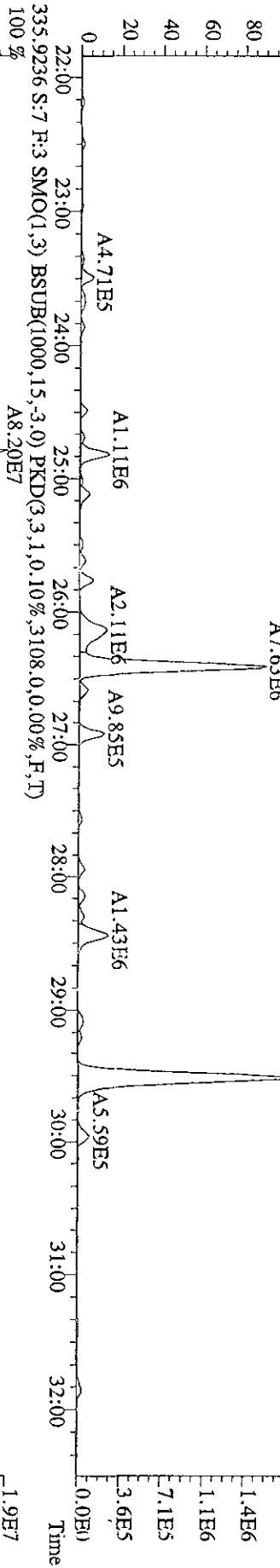
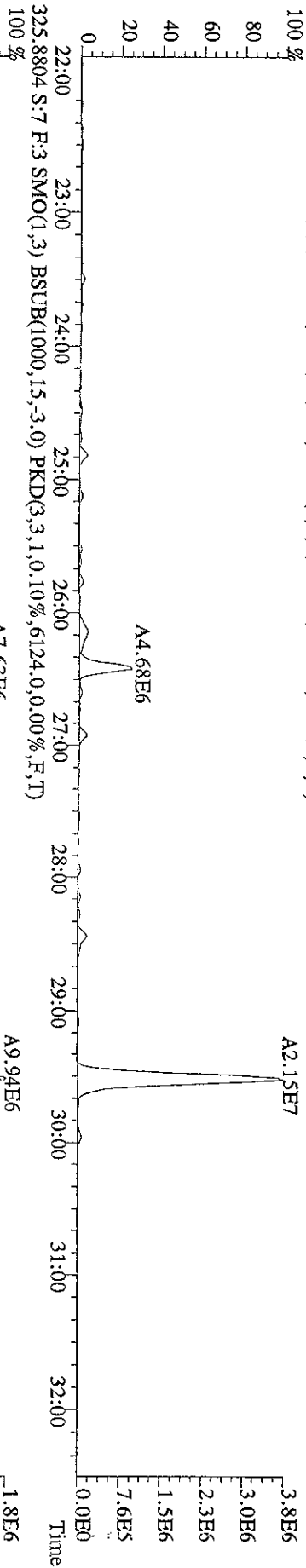
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 Sample#7 Text: K98KC-1-AA : G9D030338-MB Exp: 209DB5  
 323.8834 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3140,0,0.00%,F,T)



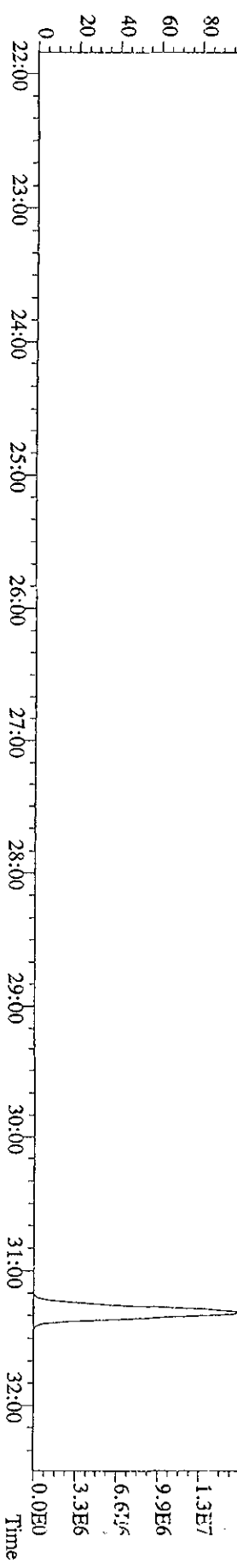
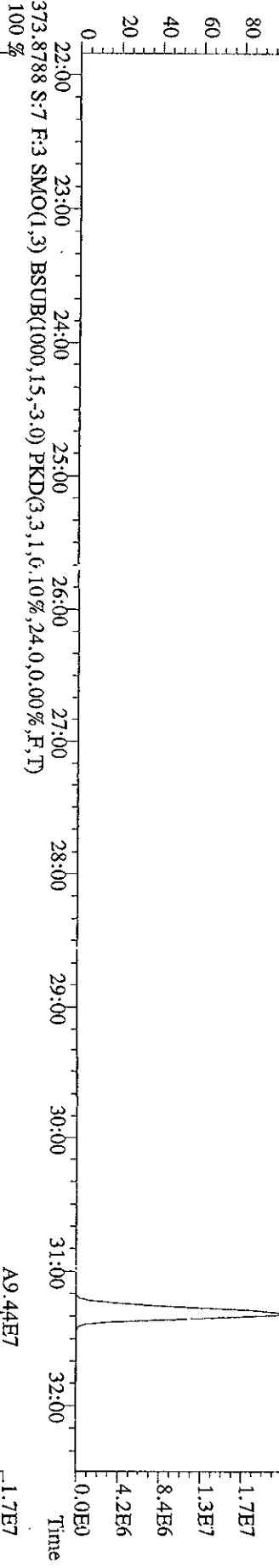
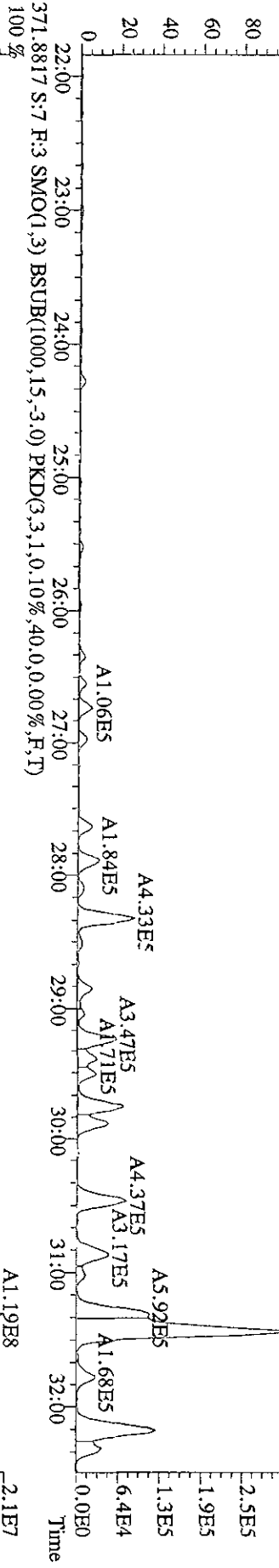
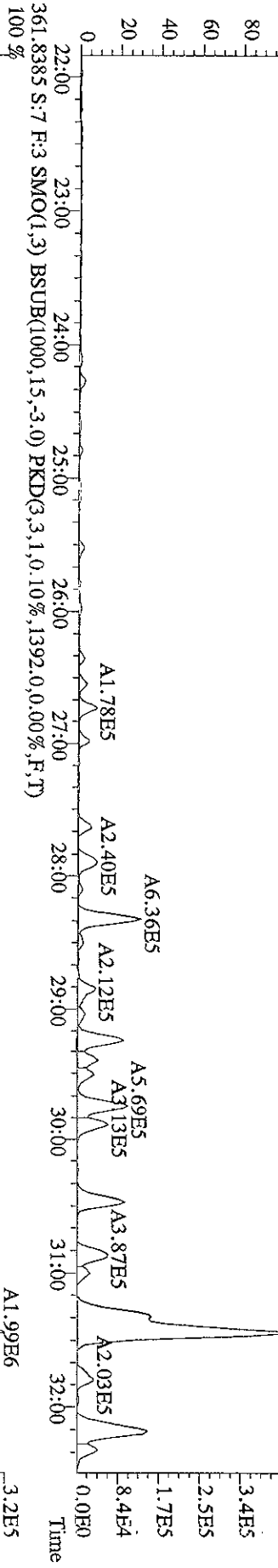
325.8804 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2092,0,0.00%,F,T)



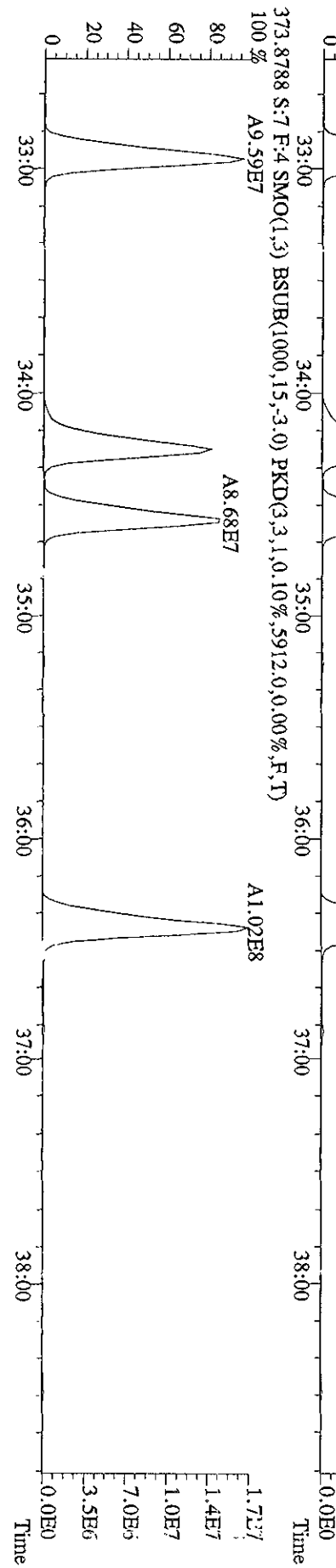
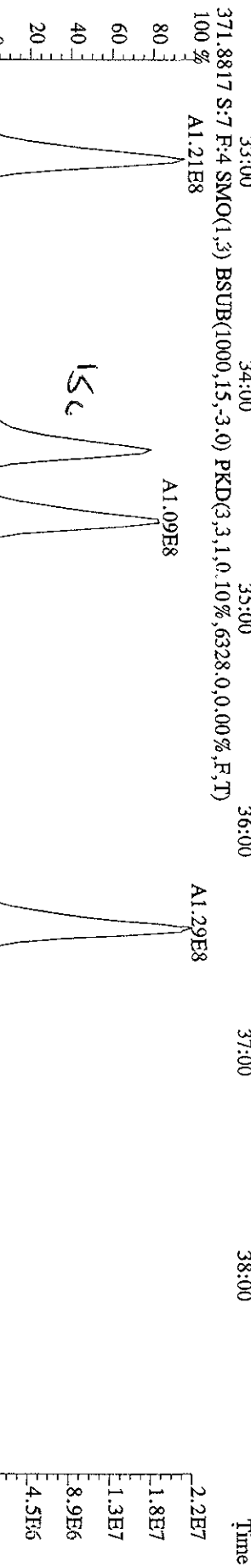
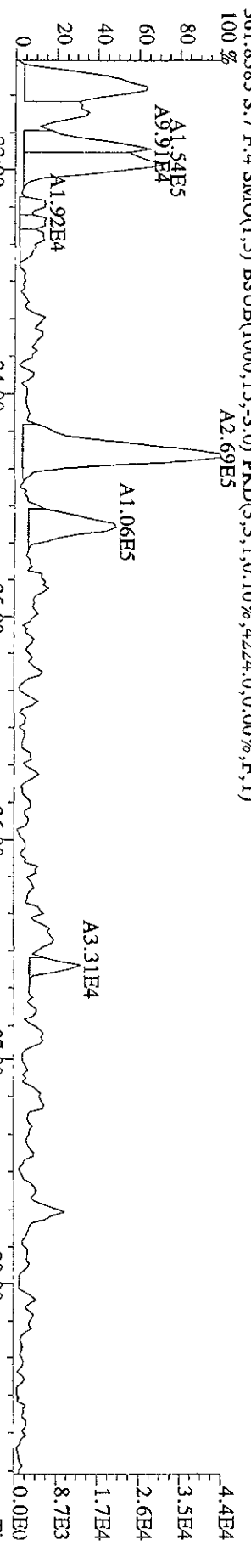
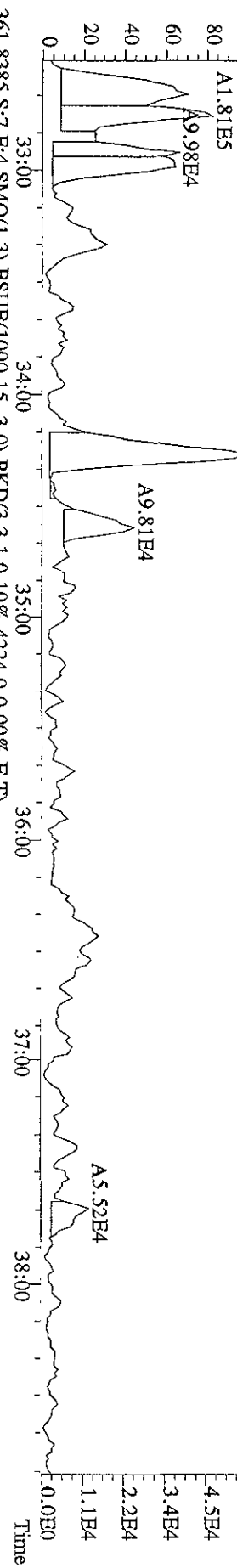
File:21AP09A9D5 #1-600 Acq:21-APR-2009 19:46:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:K98KC-1-AA :G9D030338-MB Exp:209DB5  
 323.8834 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7044,0,0,00%,F,T)  
 100 %



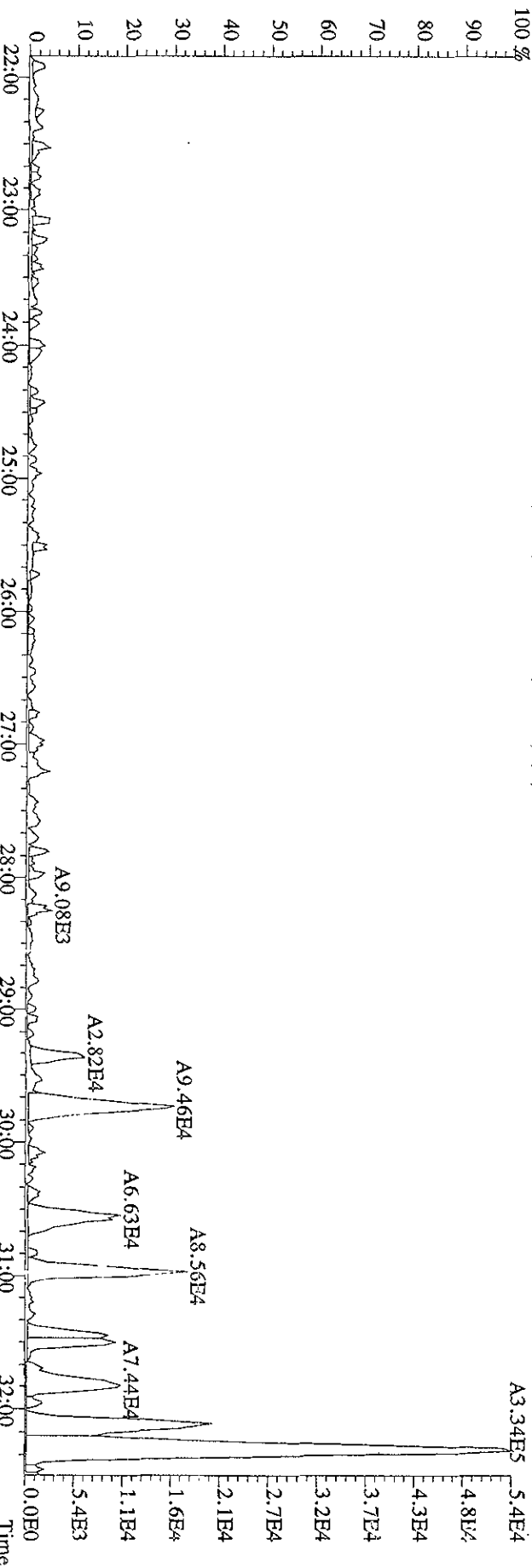
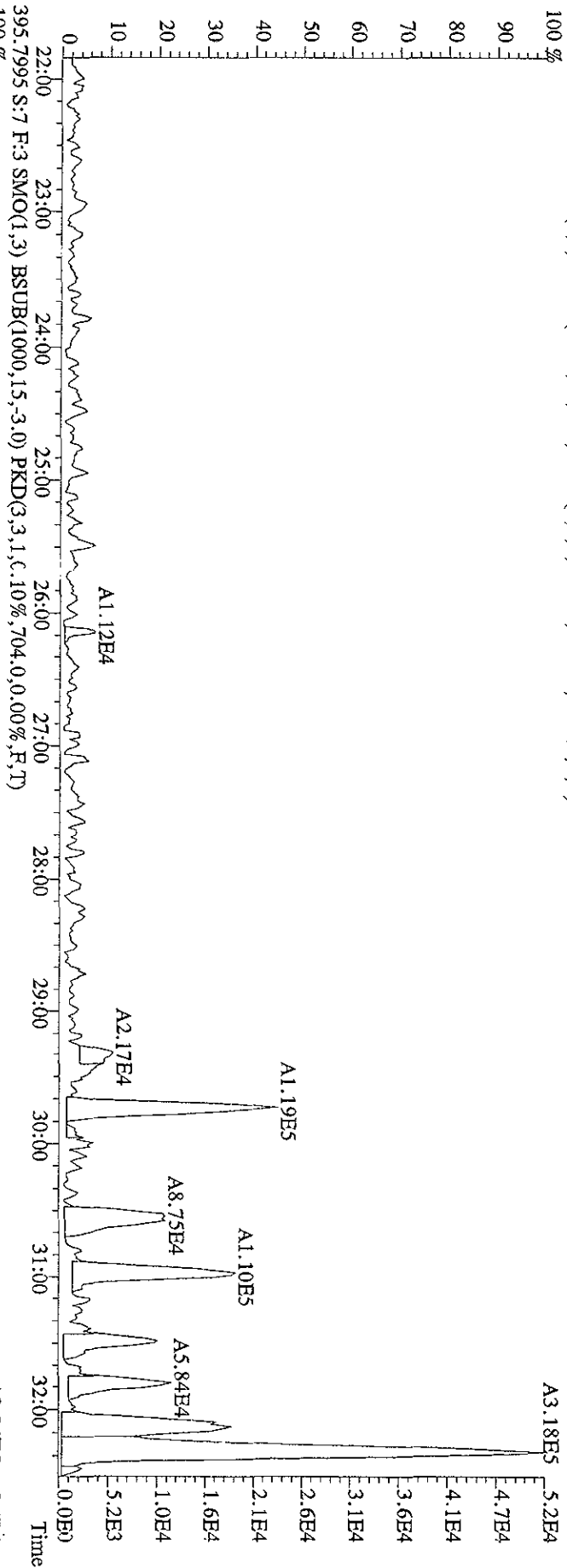
File: 21AP09A9D5 #1-600 Acq: 21-APR-2009 19:46:03 GC-EL... Voltage SIR Autospec-Ultimate  
 Sample#7 Text: K98KC-1-AA :G9D030338-MB Exp.: 09DB5  
 359.8415 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2556,0,0,00%,F,T)  
 100%



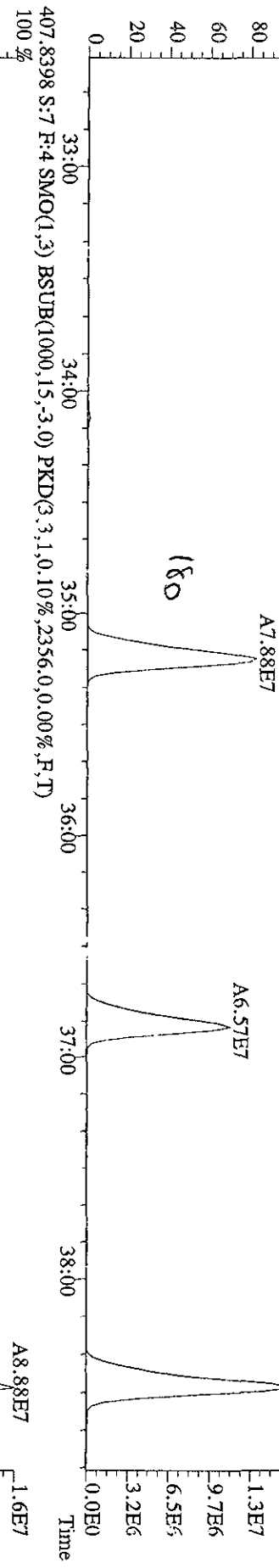
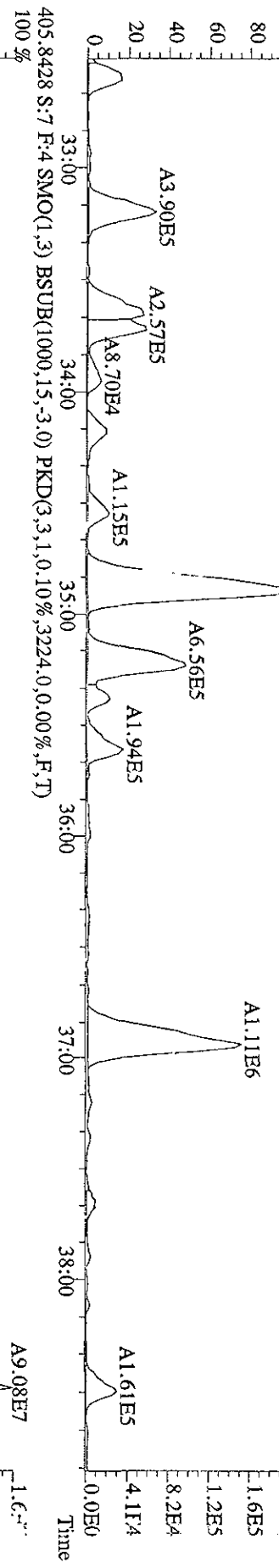
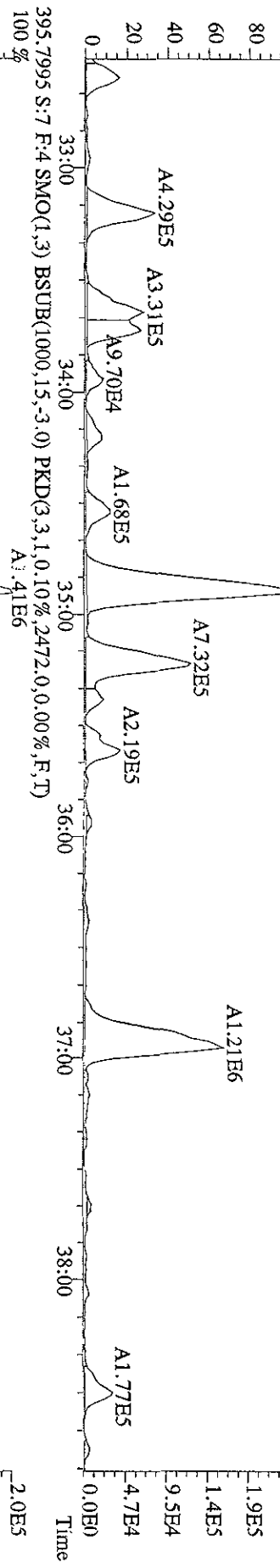
File:21AP09A9D5 #1-387 Acq:21-APR-2009 19:46:03 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:K98KC-1-AA :G9D030338-MB Exp:209DB5  
 359.8415 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6500,0,0,00%,F,T)  
 100%



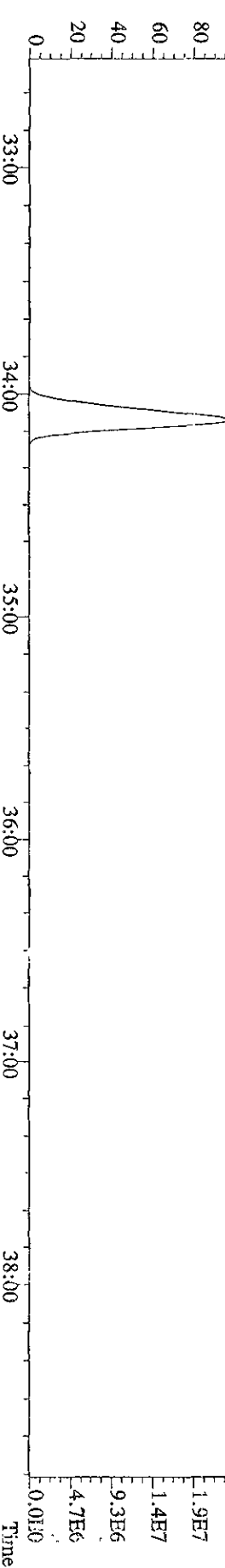
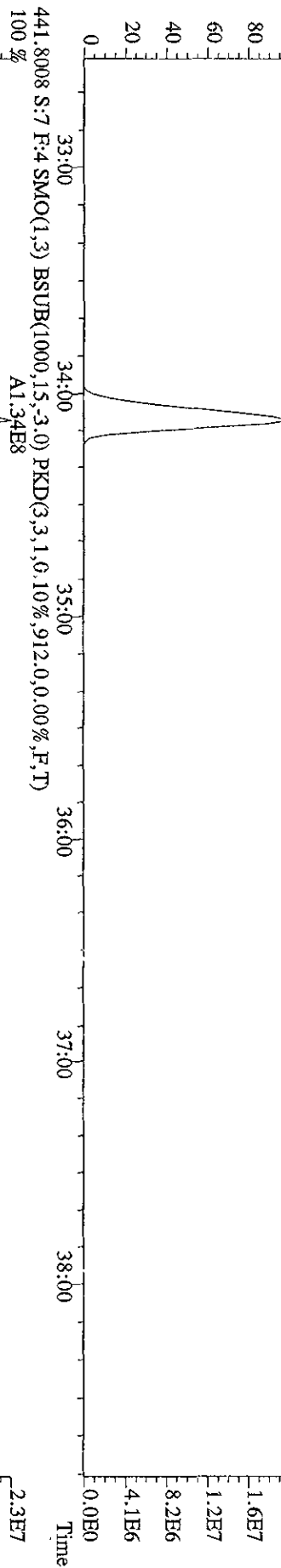
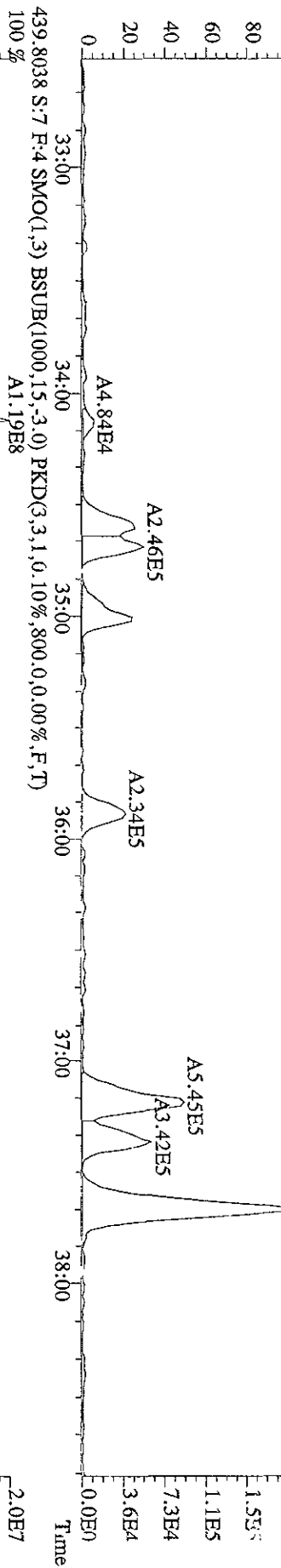
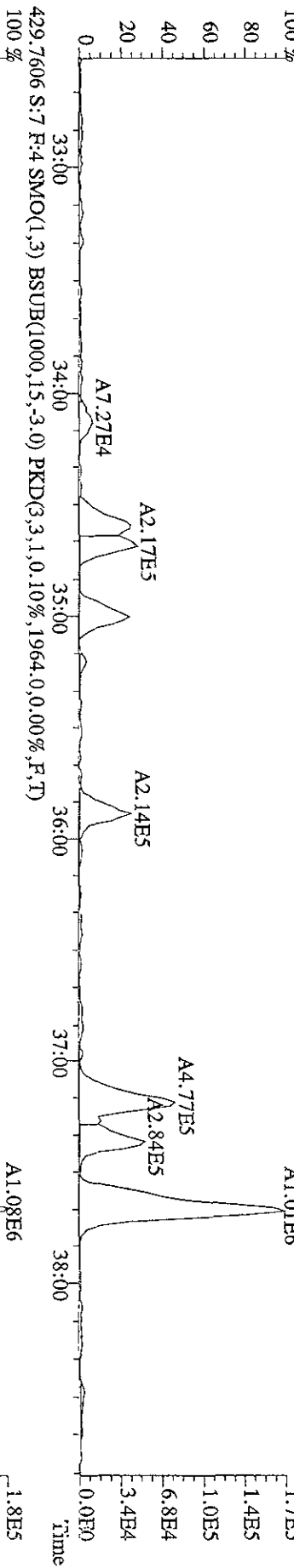
File:21AP09A9D5 #1-600 Acq:21-APR-2009 19:46:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:K98KC-1-AA :G9D030338-MB Exp:209DB5  
 393.8025 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,6,10%,1984,0,0,00%,F,T)  
 100%



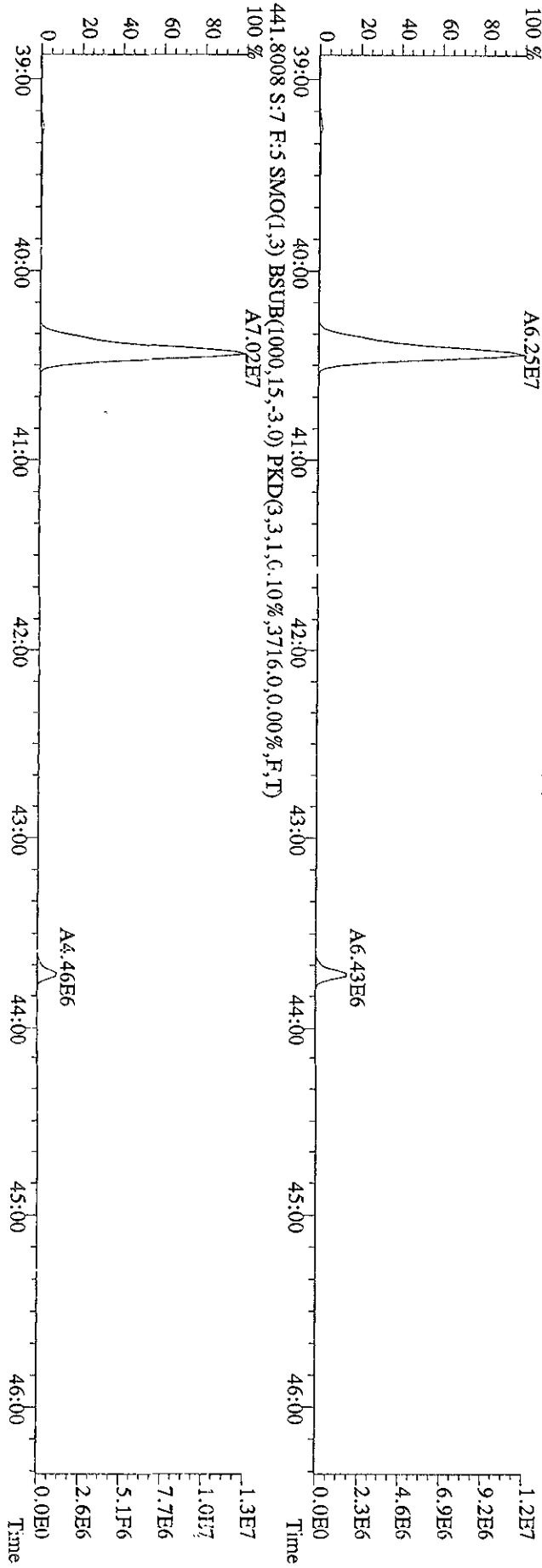
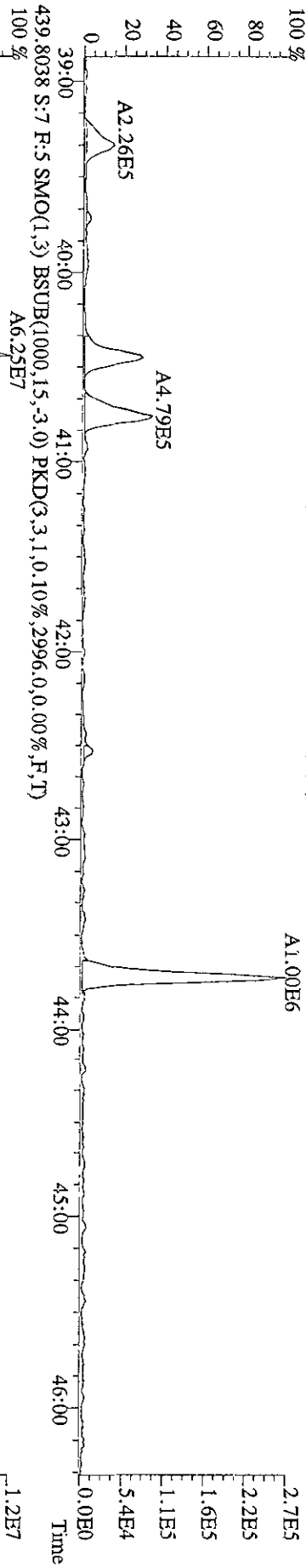
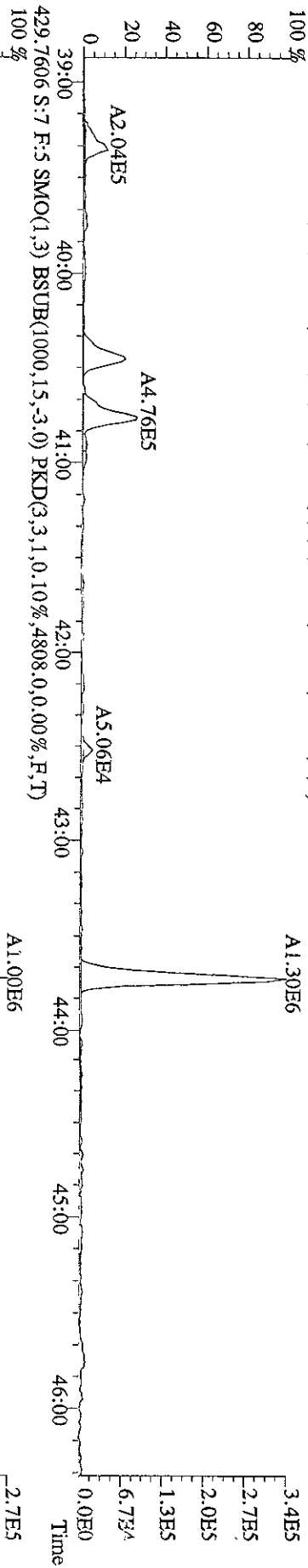
File:21AP09A9D5 #1-387 Acq:21-APR-2009 19:46:03 GC:EI+ Voltage:50V SIR Autospec-UltimaE  
 Sample#7 Text:K98KC-1-AA :G9D030338-MB Exp:209DB5  
 393.8025 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2784.0,0.00%,F,T)  
 100%



File: 21AP09A9D5 #1-387 Acq: 21-APR-2009 19:46:03 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text: K98KC-1-AA : G9D030338-MB Exp: 209DB5  
 427.763 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1740,0,0,0.00%,F,T)

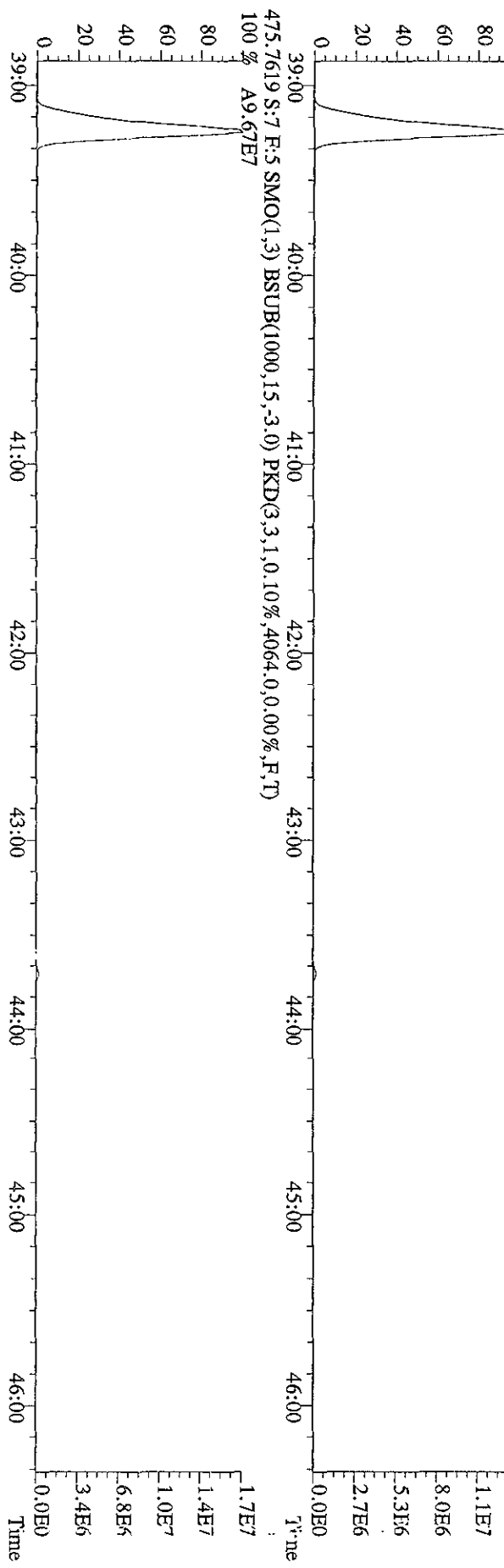
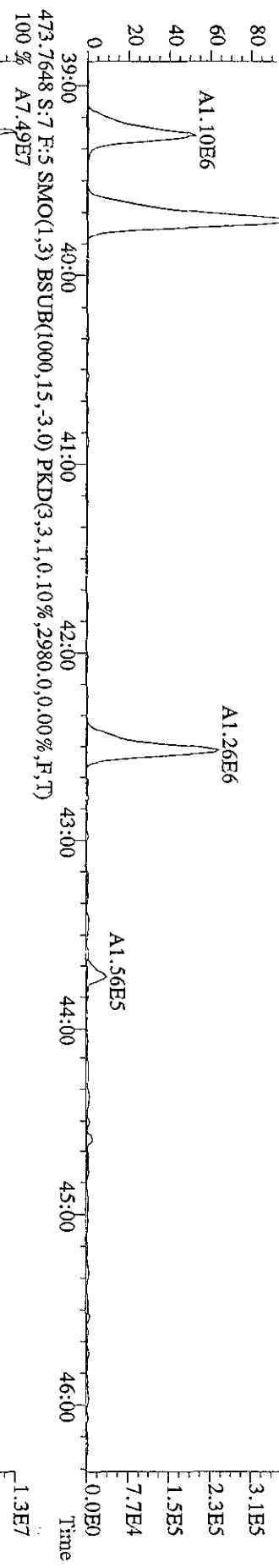
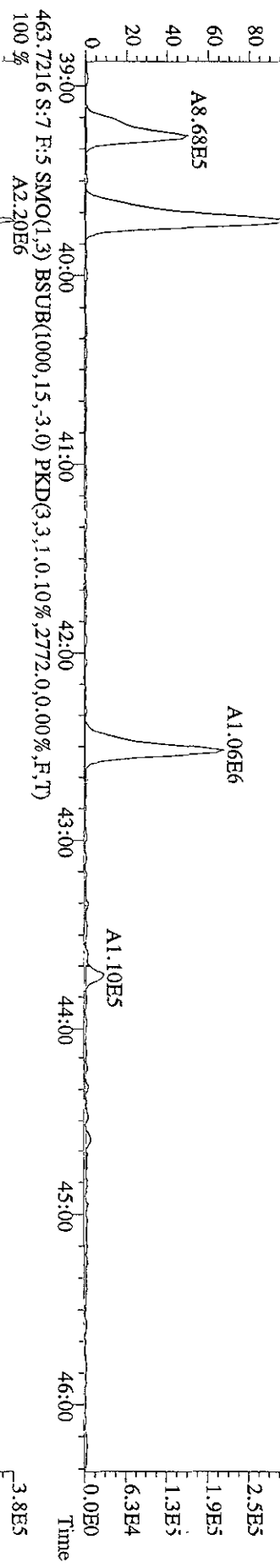


File:21AP09A9D5 #1-497 Acq:21-APR-2009 19:46:03 GC EL- Voltage SIR Autospec-Ultimate  
 Sample#7 Text:K98KC-1-AA :G9D030338-MB Exp:209DB5  
 427.7635 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2748.0,0.00%,F,T)  
 100 %

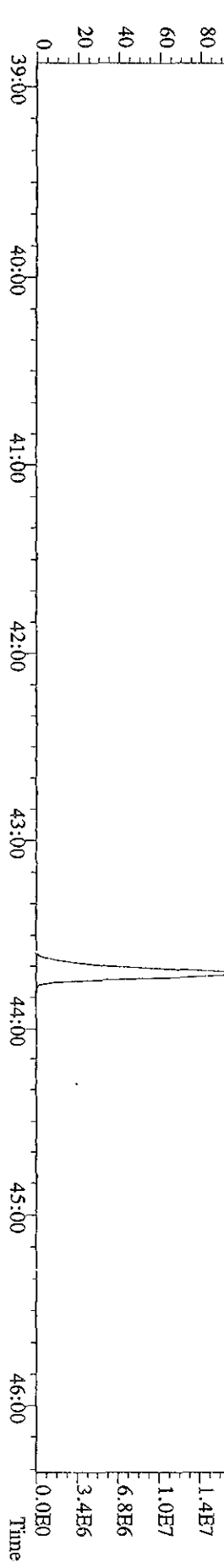
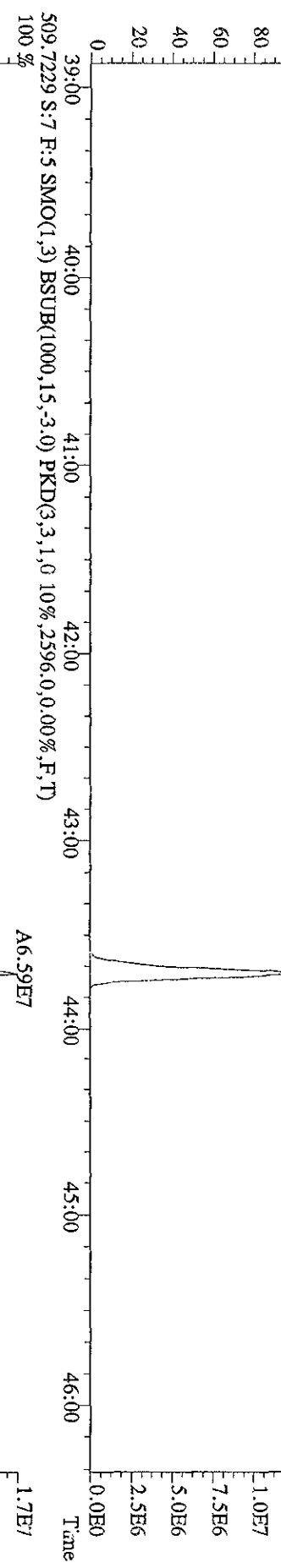
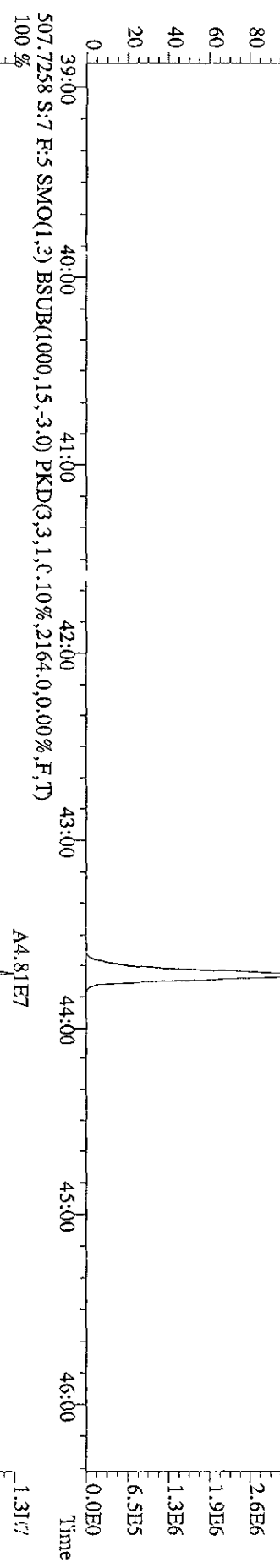
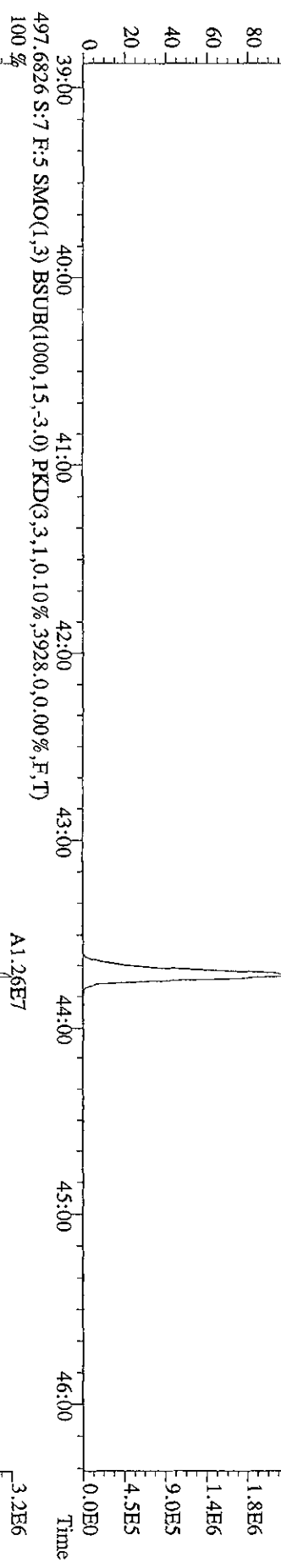




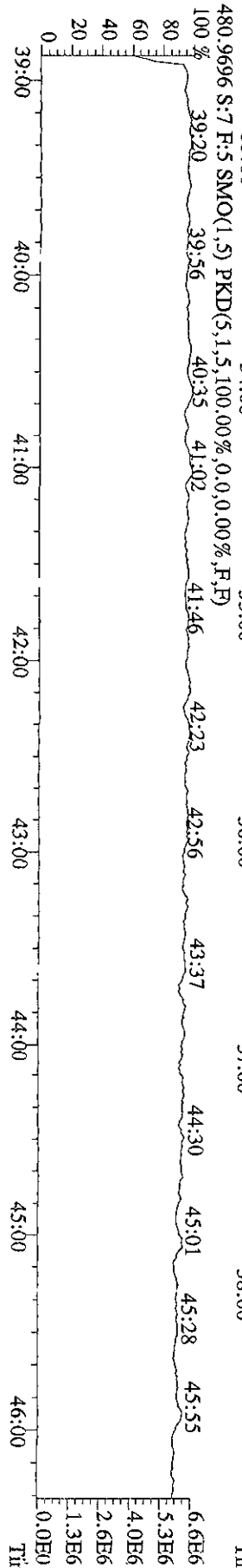
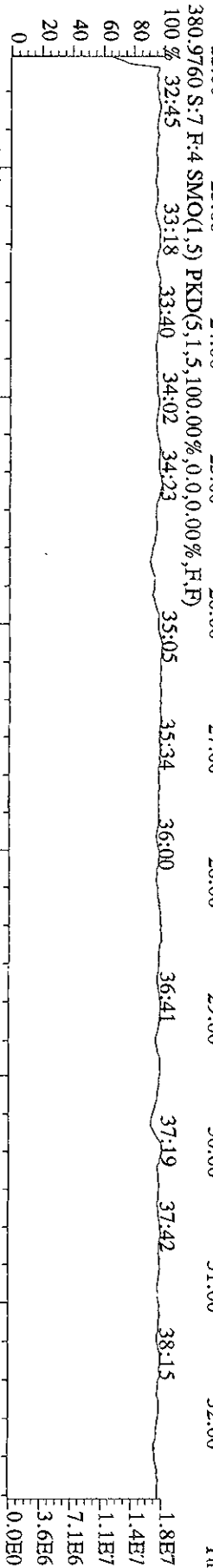
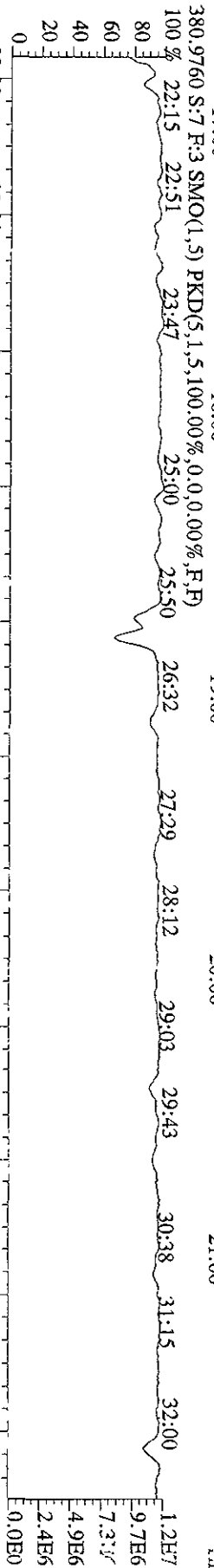
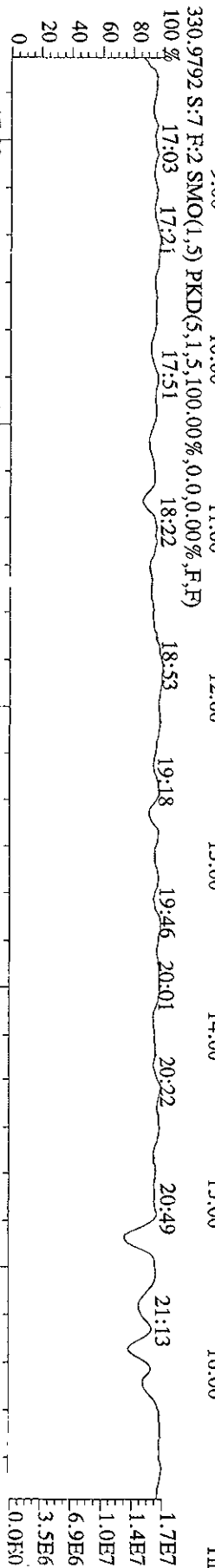
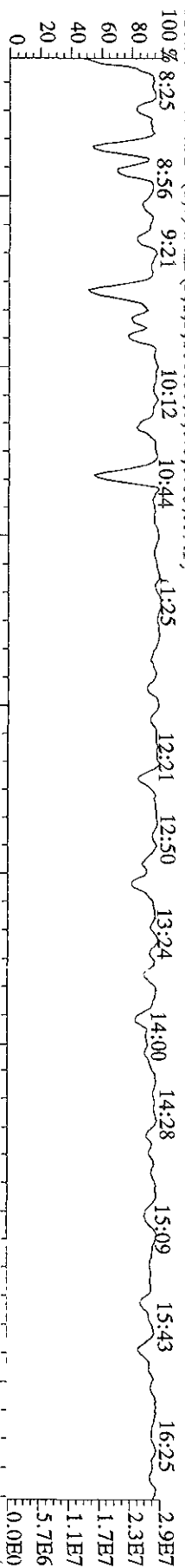
File:21AP09A9D5 #1-497 Acq:21-APR-2009 19:46:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:K98KC-1-AA :G9D030338-MB Exp:209DB5  
 461.7245 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2960.0,0.00%,F,T)  
 100% A1.74E6



File:21AP09A9D5 #1-497 Acq:21-APR-2009 19:46:03 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:K98KC-1-AA :G9D030338-MB Exp:209DB5  
 495.6856 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0 10%,2748.0,0.00%,F,T)  
 100 %



File:21AP09A9D5 #1-577 Acq:21-APR-2009 19:46:03 GC EI- Voltage SIR Autospec-UltimaE  
 Sample#7 Text:K98KC-1-AA :G9D030338-MB Exp:209DB5



Run text: K98KC-1-AC Sample text: K98KC-1-AC :G9D030338-LCS  
 Run #10 Filename: 21AP09A9D5 S: 6 I: 1 Results: 21AP09A9D51668MSLDEC7  
 Acquired: 21-APR-09 18:54:42 Processed: 22-APR-09 11:11:08  
 Run: 21AP09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.00 g

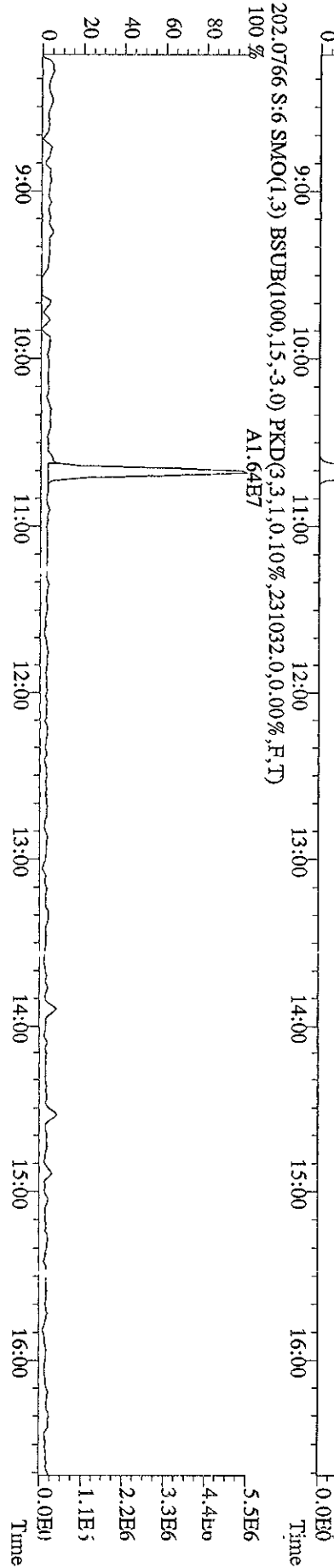
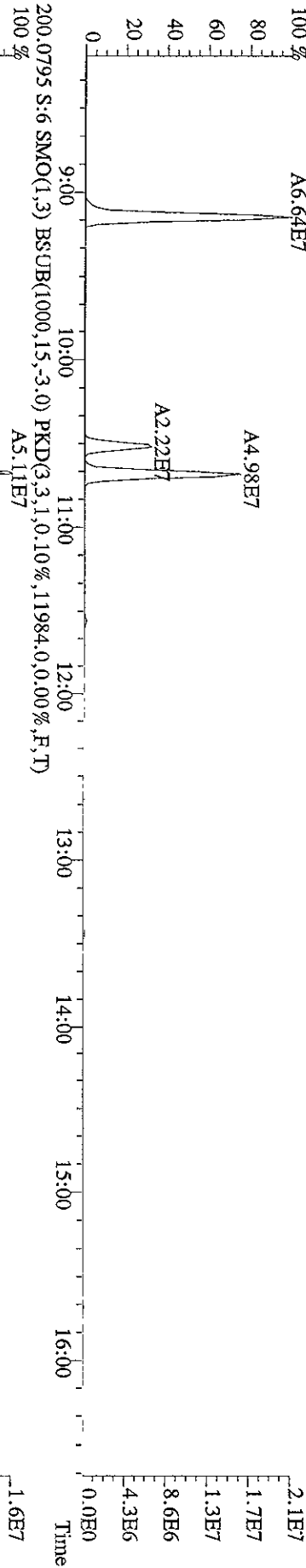
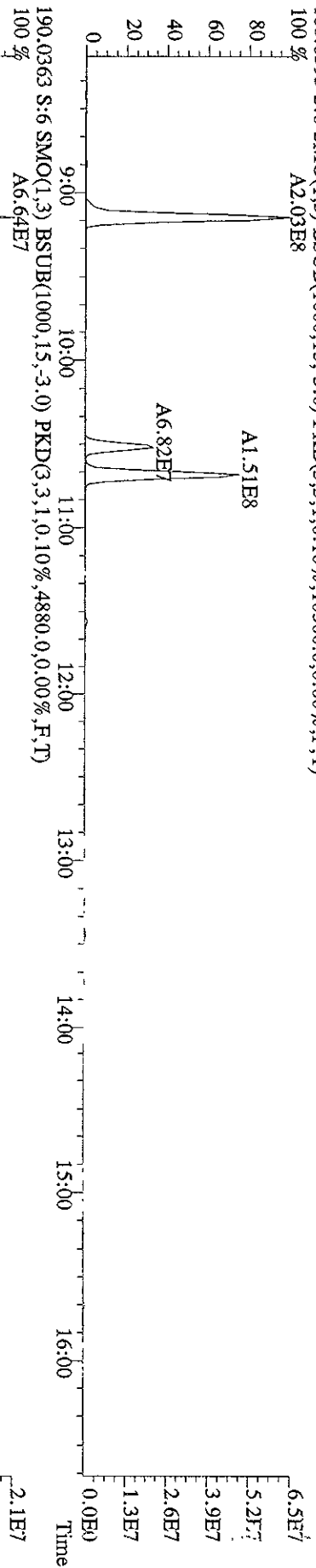
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	193230600	0.66 y	24:48	-	7.90	-	-	n
13C-TCB-81	133069600	0.81 y	26:23	0.95	145.40	0.13	72.7	n
TCB-81	198095700	0.80 y	26:24	1.28	232.92	0.19	-	n
13C-TCB-77	145470700	0.83 y	26:56	0.98	153.26	0.13	76.6	n
TCB-77	183441700	0.80 y	26:57	1.10	228.56	0.20	-	n
13C-PeCB-123	109434500	0.67 y	28:18	0.87	129.97	0.07	65.0	n
PeCB-123	210512500	0.62 y	28:19	1.51	254.95	0.21	-	n
13C-PeCB-118	114673100	0.67 y	28:26	0.98	120.55	0.07	60.3	n
PeCB-118/106	227161000	0.62 y	28:27	1.53	259.28	0.20	-	n
13C-PeCB-114	122851600	0.67 y	29:05	0.97	131.58	0.07	65.8	n
PeCB-114	251961400	0.62 y	29:06	1.59	258.72	0.18	-	n
13C-PeCB-105	118624800	0.66 y	29:57	0.90	136.84	0.07	68.4	n
PeCB-105/127	219517900	0.61 y	29:58	1.42	260.22	0.21	-	n
13C-PeCB-126	140231100	0.66 y	31:51	0.91	159.23	0.07	79.6	n
PeCB-126	207179800	0.62 y	31:53	1.17	251.86	0.22	-	n
13C-OcCB-202	223711000	0.90 y	34:08	-	8.69	-	-	n
13C-HxCB-167	194222600	1.26 y	32:58	0.84	206.33	0.18	103.2	n
HxCB-167	279120000	1.28 y	32:59	1.17	245.90	0.21	-	n
13C-HxCB-156	166239100	1.30 y	34:16	0.67	221.75	0.22	110.9	n
HxCB-156	271727000	1.27 y	34:17	1.45	225.10	0.21	-	n
13C-HxCB-157	171297600	1.27 y	34:35	0.71	216.66	0.21	108.3	n
HxCB-157	284806000	1.26 y	34:37	1.45	229.89	0.19	-	n
13C-HxCB-169	201010200	1.27 y	36:25	0.73	245.00	0.20	122.5	n
HxCB-169	224100500	1.27 y	36:26	0.99	225.41	0.24	-	n
13C-HpCB-180	132712000	1.02 y	35:13	0.58	202.95	0.13	101.5	n
HpCB-180	179803200	1.06 y	35:14	1.27	214.17	0.19	-	n
13C-HpCB-170	109293700	1.04 y	36:52	0.47	205.96	0.16	103.0	n
HpCB-170/190	187601000	1.06 y	36:53	1.61	213.70	0.18	-	n
13C-HpCB-189	156203700	1.02 y	38:30	0.60	233.32	0.13	116.7	n
HpCB-189	195737400	1.07 y	38:31	1.21	207.74	0.17	-	n
13C-DeCB-209	84460400	0.72 y	43:43	0.46	164.09	0.20	82.0	n
DECB-209	144170200	0.71 y	43:43	1.50	226.88	0.15	-	n
13C-PeCB-111	140231200	0.66 y	31:51	1.36	177.60	0.09	88.8	n

V8 5.5.09

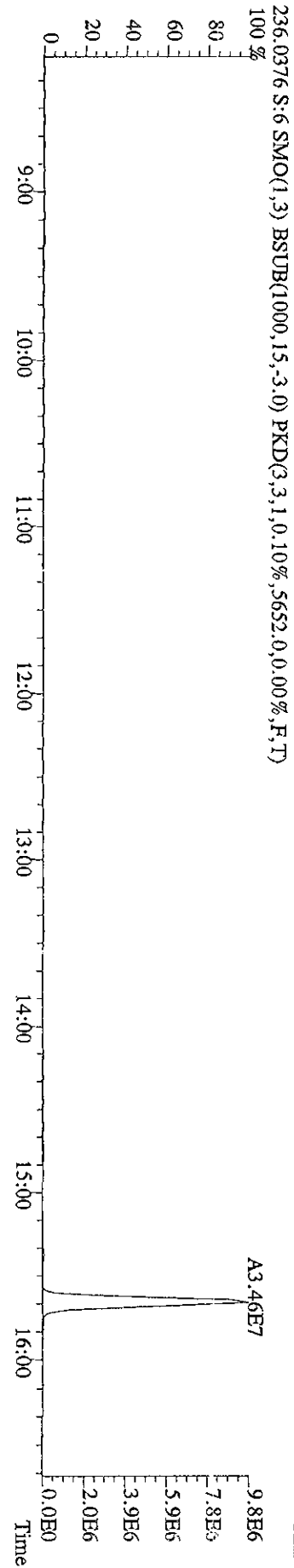
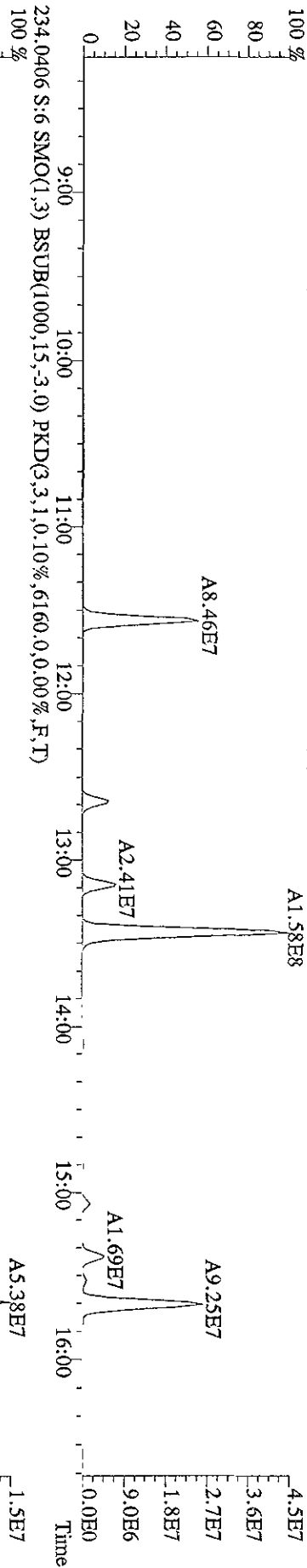
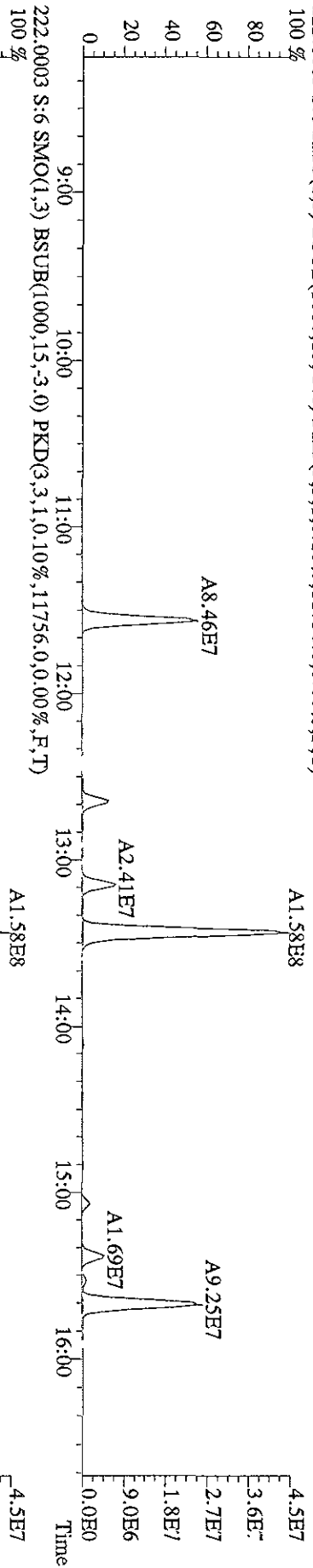
Run text: K98KC-1-AC      Sample text: K98KC-1-AC :G9D030338-LCS  
 Run #10 Filename: 21AP09A9D5 S: 6    I: 1      Results: 21AP09A9D51668MSLDEC  
 Acquired: 21-APR-09    18:54:42      Processed: 22-APR-09    11:11:08  
 Run: 21AP09A9D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.00007g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	193230600	0.66 y	24:48	-	7.90	-	-	n
13C-TCB-81	133069600	0.81 y	26:23	0.95	145.40	0.13	72.7	n
TCB-81	198095700	0.80 y	26:24	1.28	232.92	0.19	-	n
13C-TCB-77	145470700	0.83 y	26:56	0.98	153.26	0.13	76.6	n
TCB-77	183441700	0.80 y	26:57	1.10	228.56	0.20	-	n
13C-PeCB-123	109434500	0.67 y	28:18	0.87	129.97	0.07	65.0	n
PeCB-123	210512500	0.62 y	28:19	1.51	254.95	0.21	-	n
13C-PeCB-118	109434500	0.67 y	28:18	0.98	115.05	0.07	57.5	n
PeCB-118/106	210512500	0.62 y	28:19	1.53	251.78	0.20	-	n
13C-PeCB-114	122851600	0.67 y	29:05	0.97	131.58	0.07	65.8	n
PeCB-114	251961400	0.62 y	29:06	1.59	258.72	0.18	-	n
13C-PeCB-105	118624800	0.66 y	29:57	0.90	136.84	0.07	68.4	n
PeCB-105/127	219517900	0.61 y	29:58	1.42	260.22	0.21	-	n
13C-PeCB-126	140231200	0.66 y	31:51	0.91	159.23	0.07	79.6	n
PeCB-126	207179800	0.62 y	31:53	1.17	251.86	0.22	-	n
13C-OcCB-202	223711000	0.90 y	34:08	-	8.69	-	-	n
13C-HxCB-167	194222600	1.26 y	32:58	0.84	206.33	0.18	103.2	n
HxCB-167	182144200	1.25 y	32:55	1.17	160.47	0.21	-	n
13C-HxCB-156	166239100	1.30 y	34:16	0.67	221.75	0.22	110.9	n
HxCB-156	271727000	1.27 y	34:17	1.45	225.10	0.21	-	n
13C-HxCB-157	171297600	1.27 y	34:35	0.71	216.66	0.21	108.3	n
HxCB-157	284806000	1.26 y	34:37	1.45	229.89	0.19	-	n
13C-HxCB-169	201010200	1.27 y	36:25	0.73	245.00	0.20	122.5	n
HxCB-169	224100500	1.27 y	36:26	0.99	225.41	0.24	-	n
13C-HpCB-180	132712000	1.02 y	35:13	0.58	202.95	0.13	101.5	n
HpCB-180	179803200	1.06 y	35:14	1.27	214.17	0.19	-	n
13C-HpCB-170	109293700	1.04 y	36:52	0.47	205.96	0.16	103.0	n
HpCB-170/190	187601000	1.06 y	36:53	1.61	213.70	0.18	-	n
13C-HpCB-189	156203700	1.02 y	38:30	0.60	233.32	0.13	116.7	n
HpCB-189	195737400	1.07 y	38:31	1.21	207.74	0.17	-	n
13C-DeCB-209	84460400	0.72 y	43:43	0.46	164.09	0.20	82.0	n
DECB-209	144170200	0.71 y	43:43	1.50	226.88	0.15	-	n
13C-PeCB-111	140231200	0.66 y	31:51	1.36	179.62	0.09	89.8	n

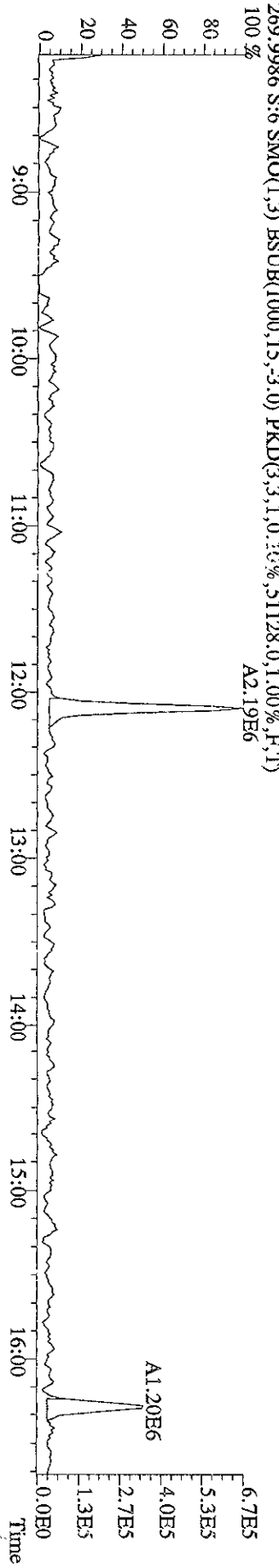
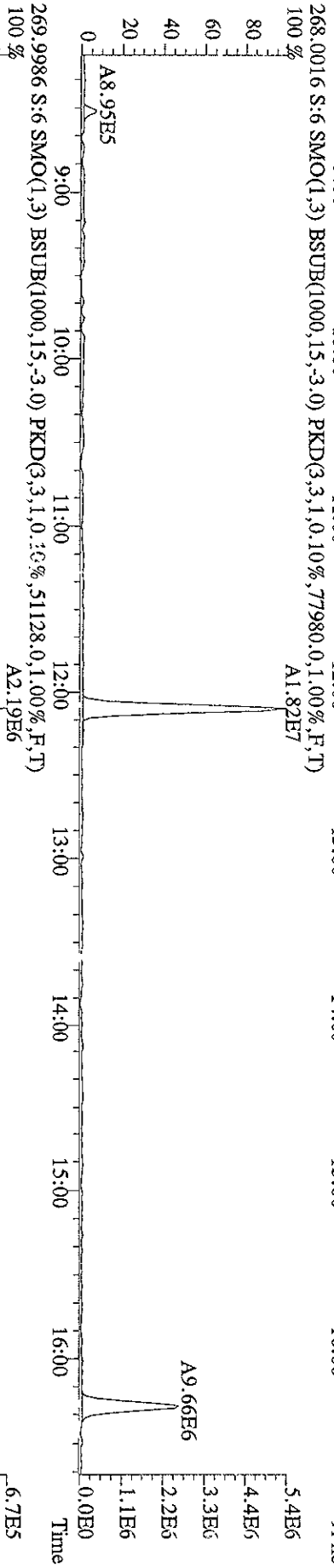
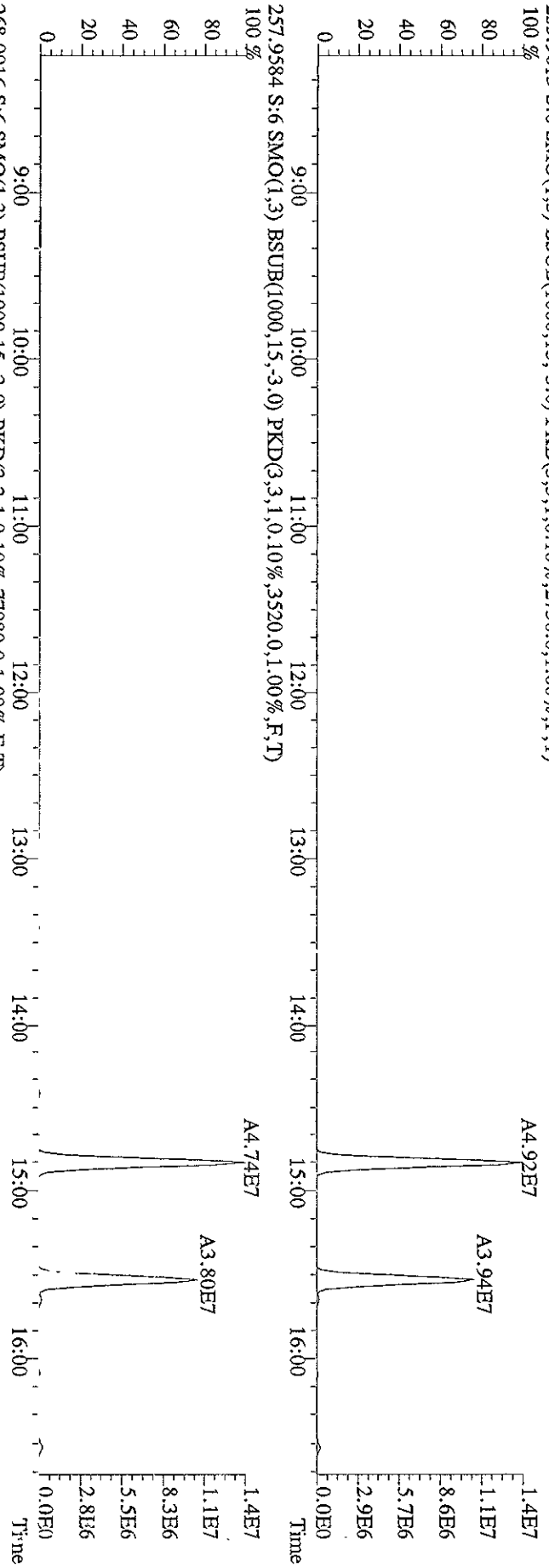
File:21AP09A9D5 #1-577 Acq:21-APR-2009 18:54:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:K98KC-1-AC :G9D030338-LCS Exp:209DB5  
 188.0393 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10300,0,0,00%,F,T)  
 100 % A2.03E8



File:21AP09A9D5 #1-577 Acq:21-APR-2009 18:54:42 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#6 Text:K98KC-1-AC :G9D030338-LCS Exp:209DB5  
 222.0003 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,11756.0,0.00%,F,T)  
 100%

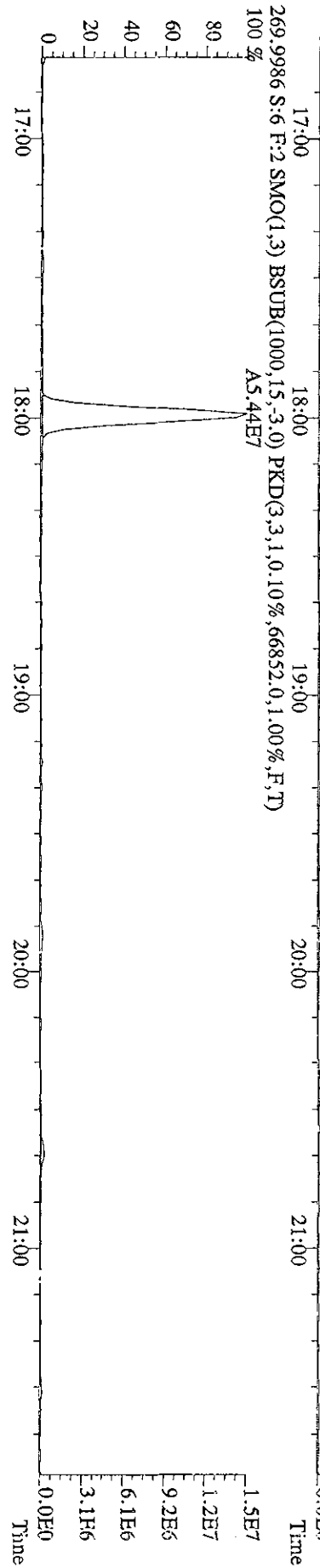
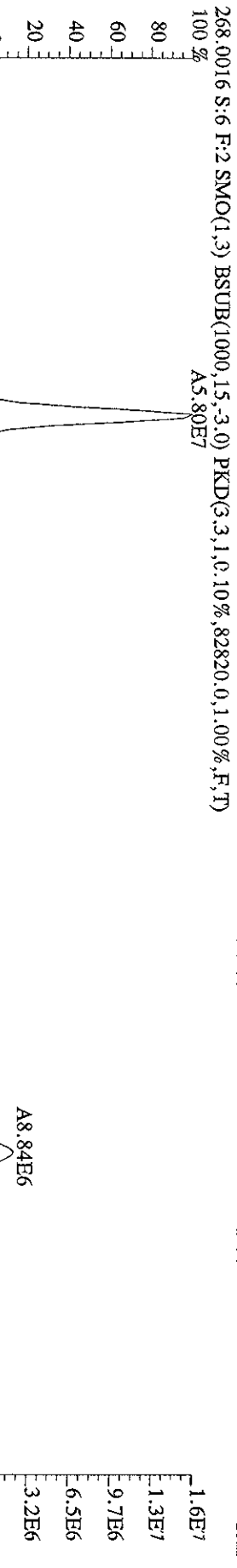
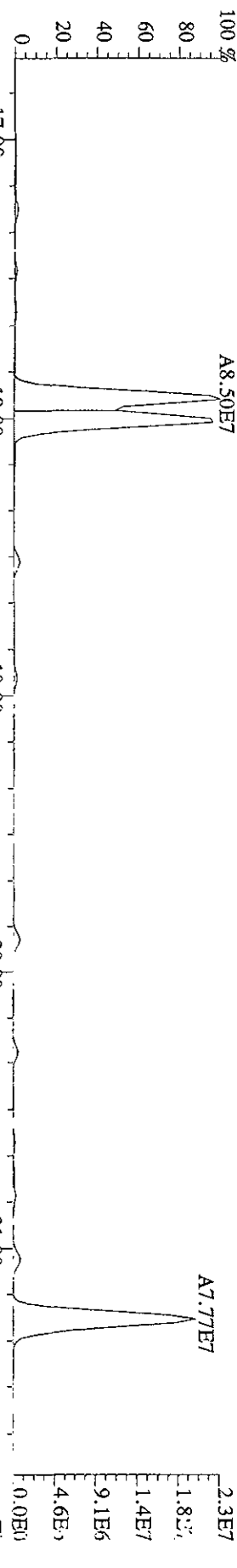
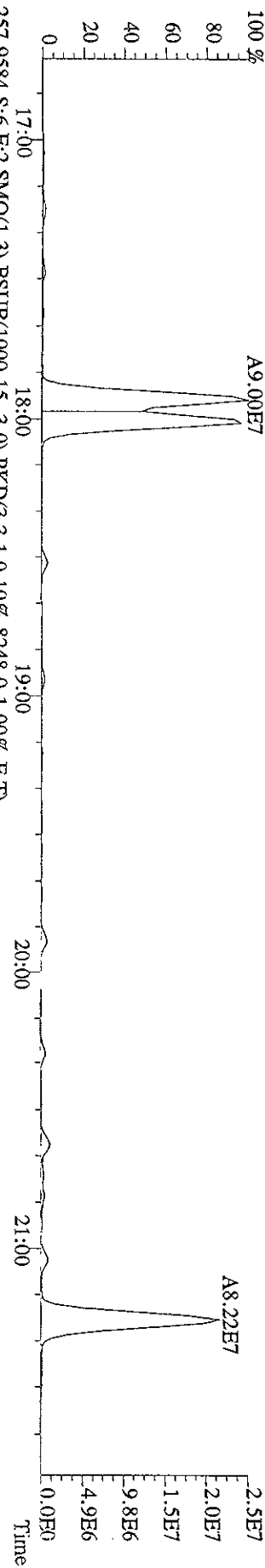


File: 21AP09A9D5 #1-577 Acq: 21-APR-2009 18:54:42 GC HF+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text: K98KC-1-AC : G9D030338-LCS Exp: 2:09DB5  
 257.9584 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2736,0,1.00%,F,T)  
 100%

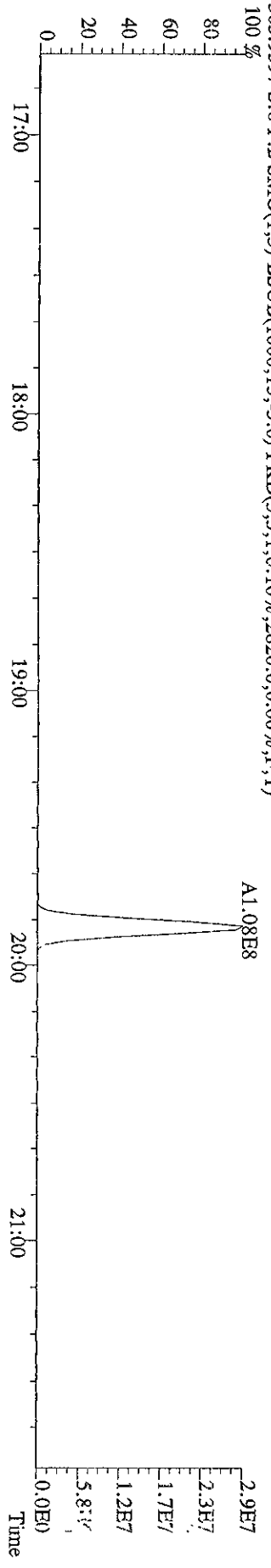
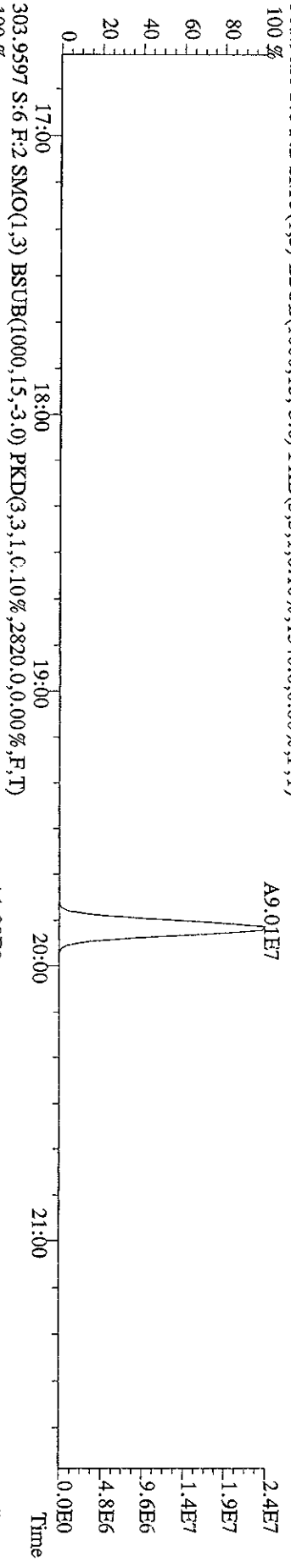
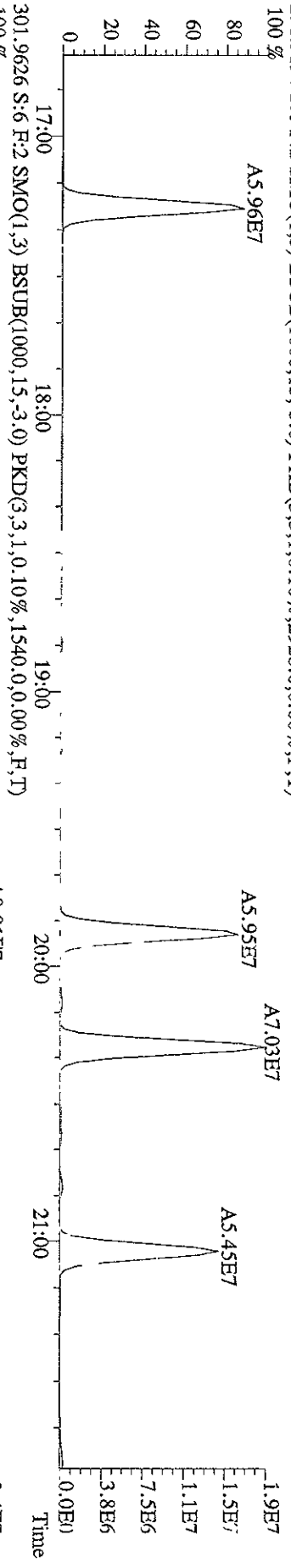
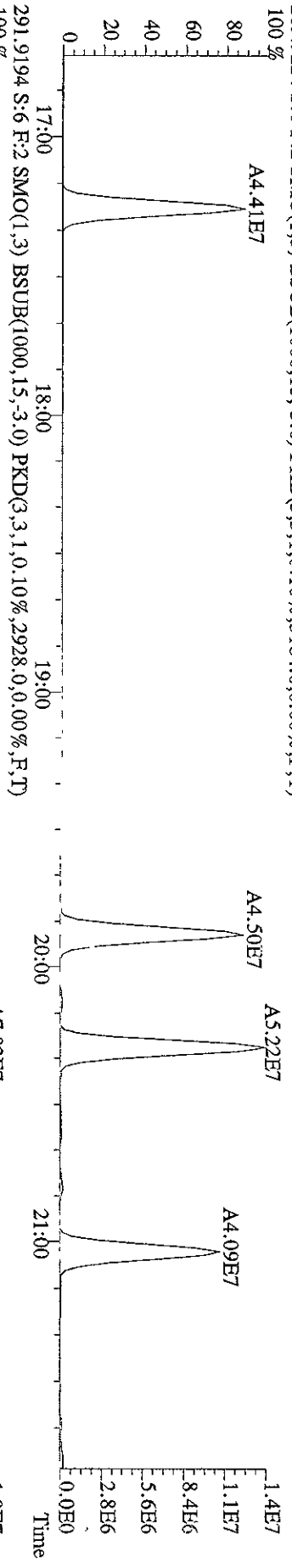




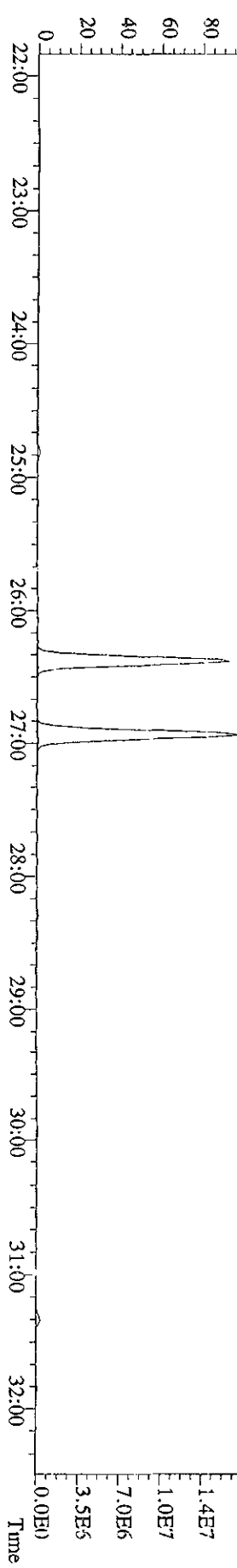
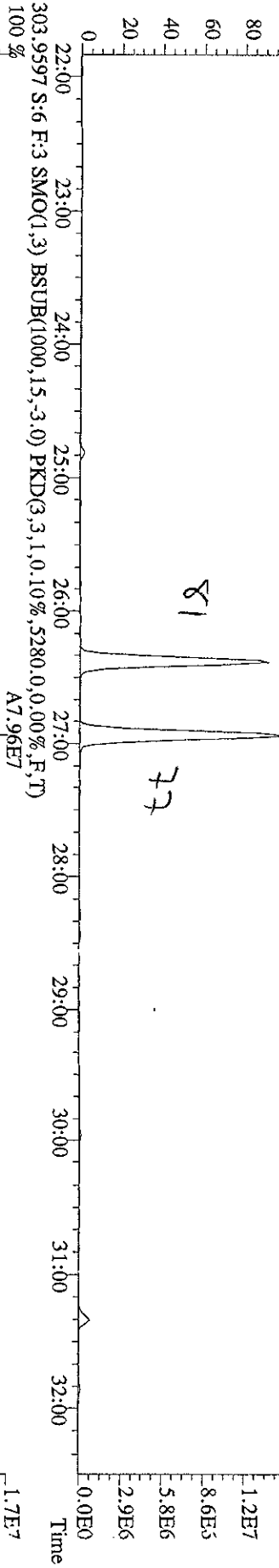
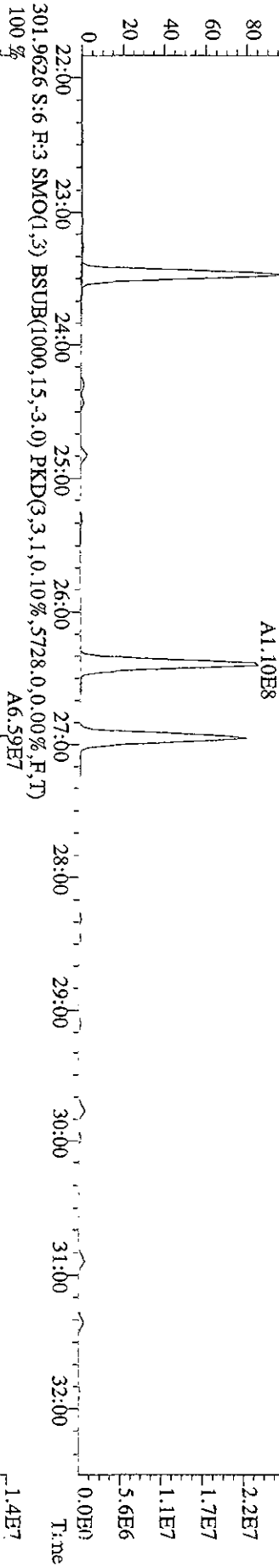
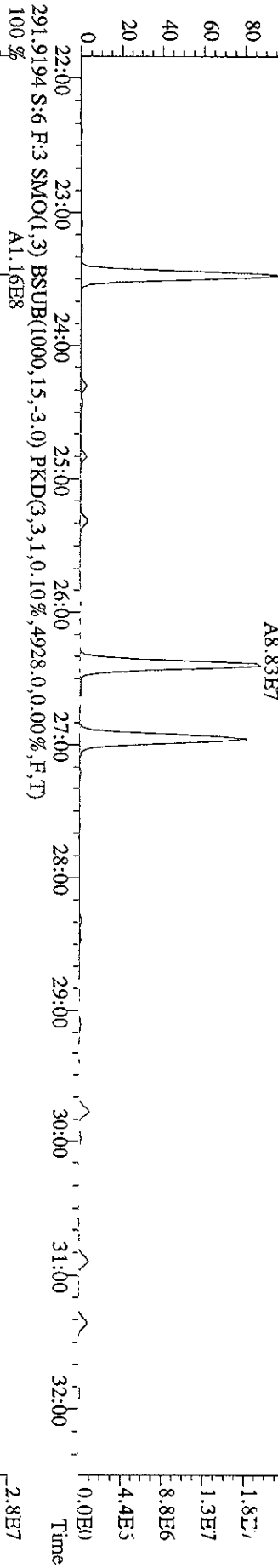
File: 21AP09A9D5 #1-372 Acq: 21-APR-2009 18:54:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text: K98KC-1-AC : G9D030338-1CS Exp: 209DB5  
 255.9613 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,13024.0,1.00%,F,T)  
 100%



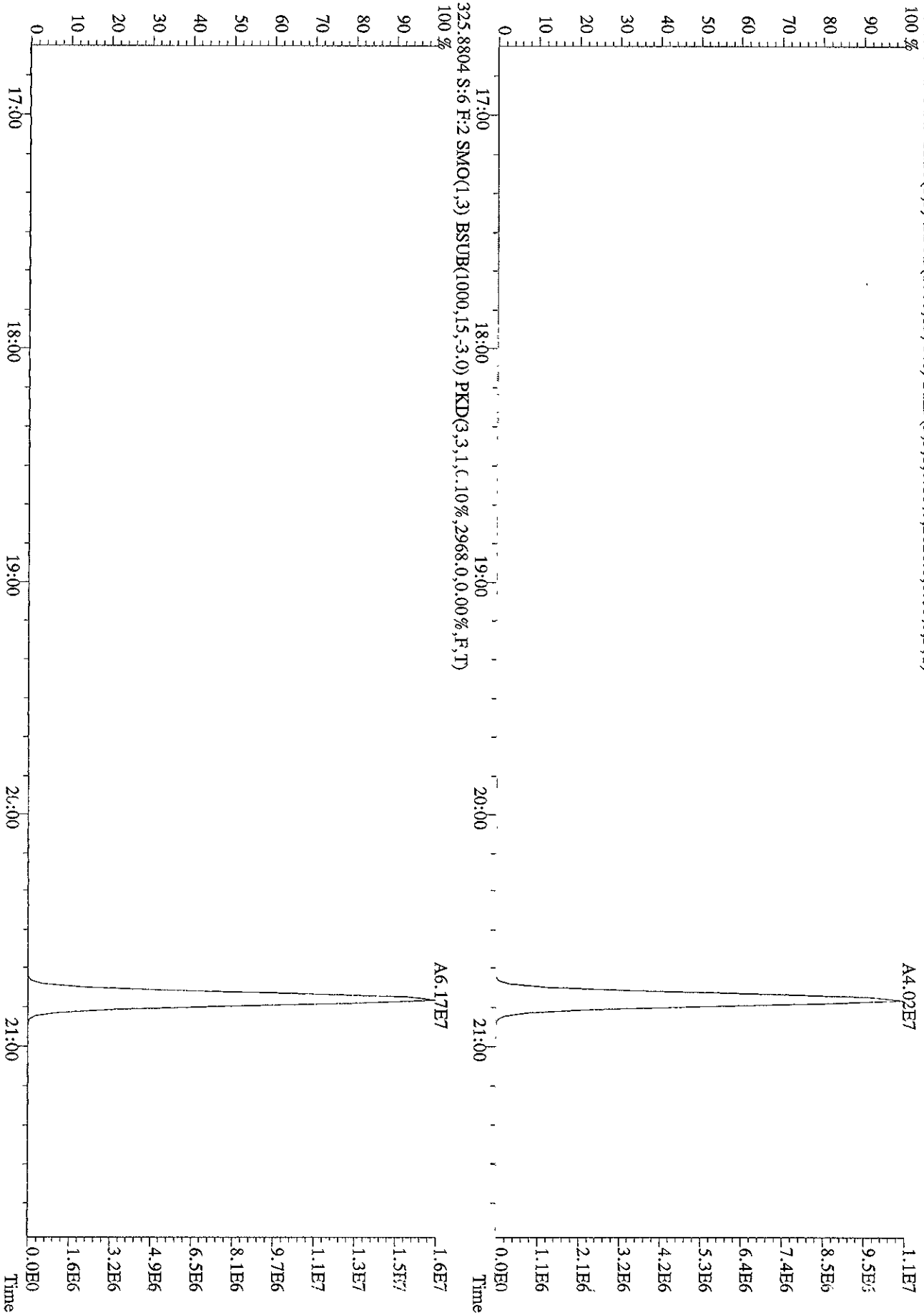
File:21AP09A9D5 #1-372 Acq:21-APR-2009 18:54:42 GC EI - Voltage SIR Autospec-Ultimate  
 Sample#6 Text:K98KC-1-AC :G9D030338-1CS Exp:209DB5  
 289.9224 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3184.0,0.00%,F,T)  
 100%



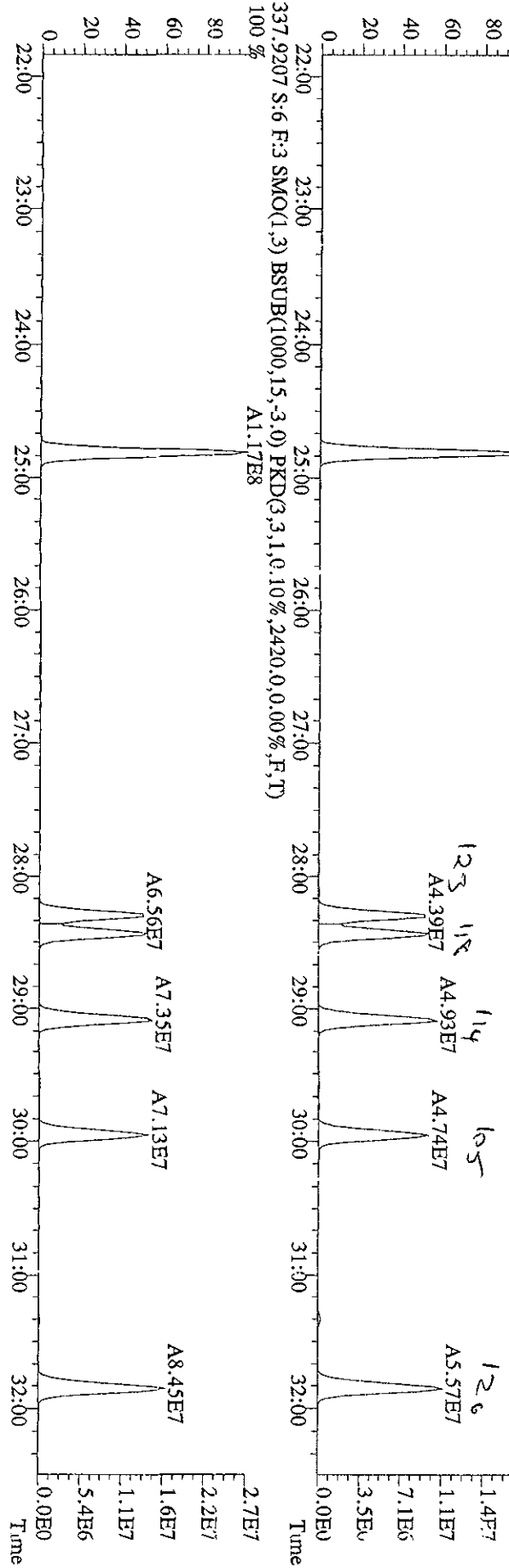
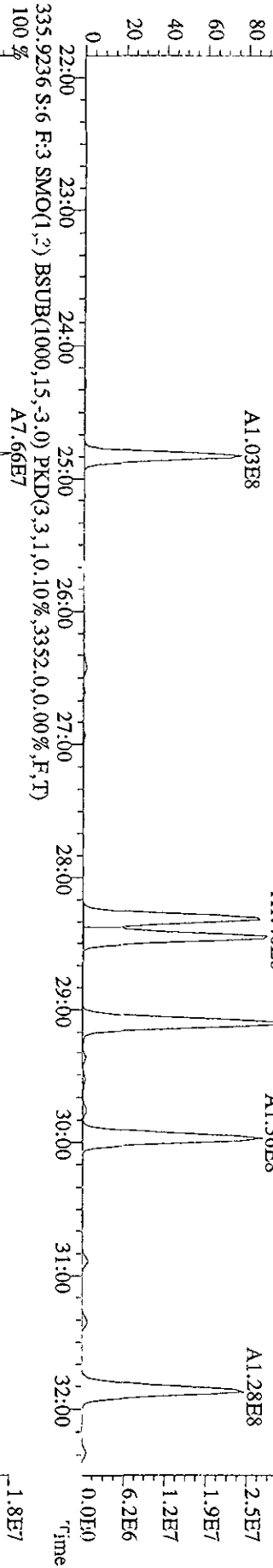
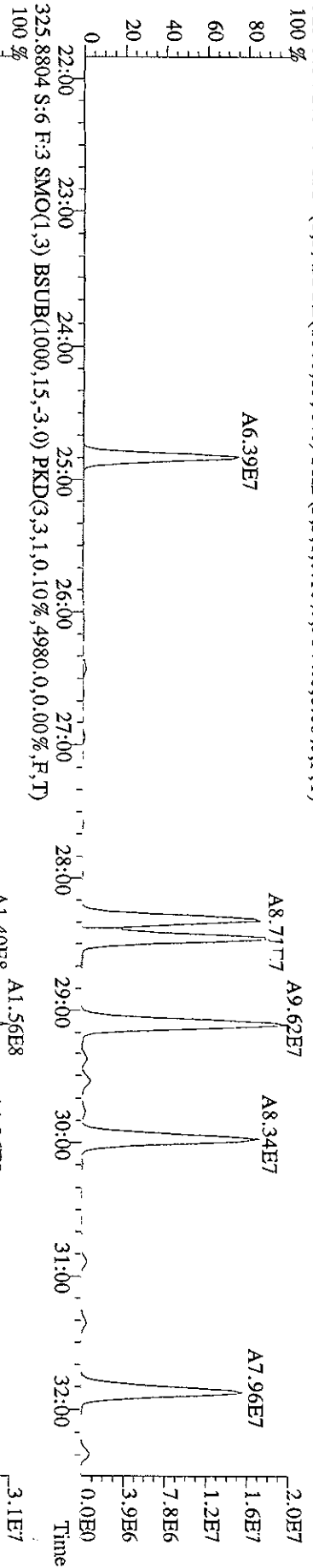
File: 21AP09A9D5 #1-600 Acq: 21-APR-2009 18:54:42 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#6 Text: K98KC-1-AC : G9D030338-1-CS Exp: 209DB5  
 289.9224 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9176,0,0,00%,F,T)  
 100% A9.20E7



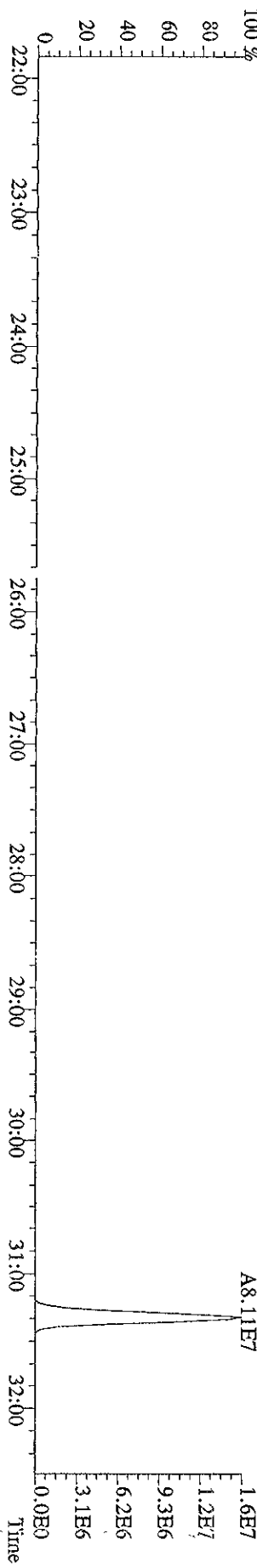
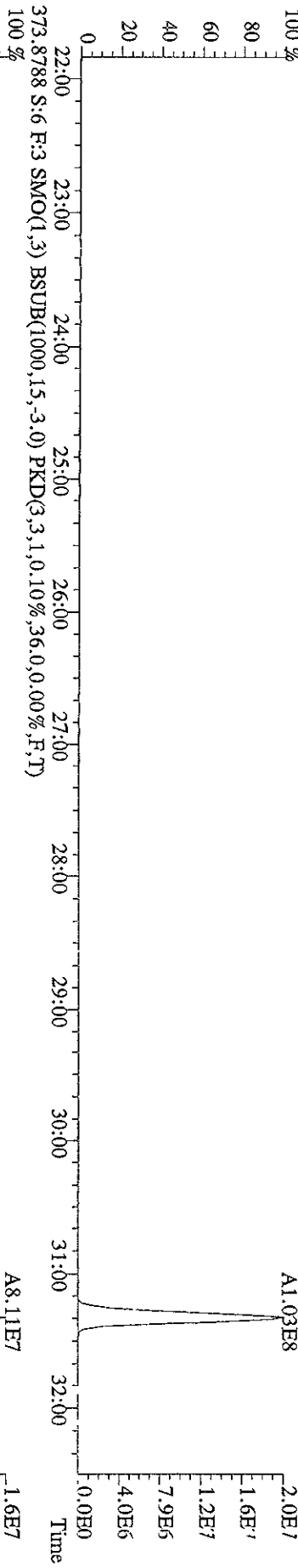
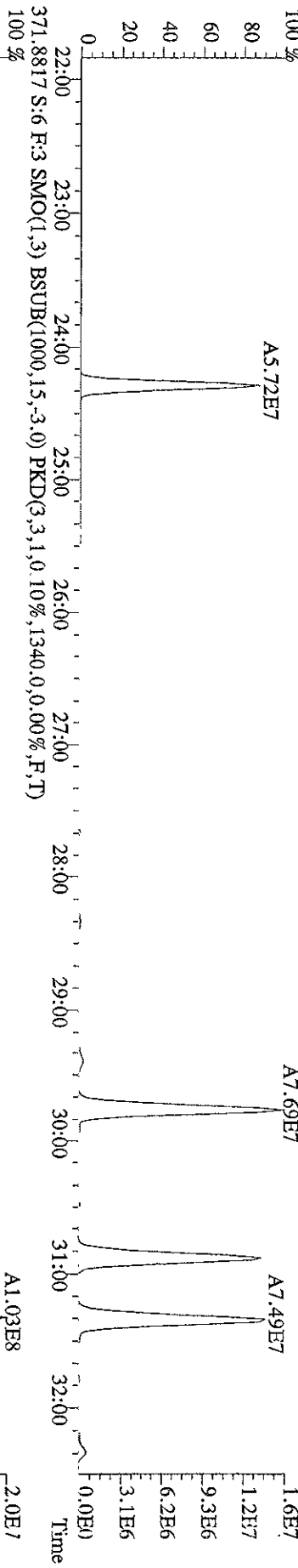
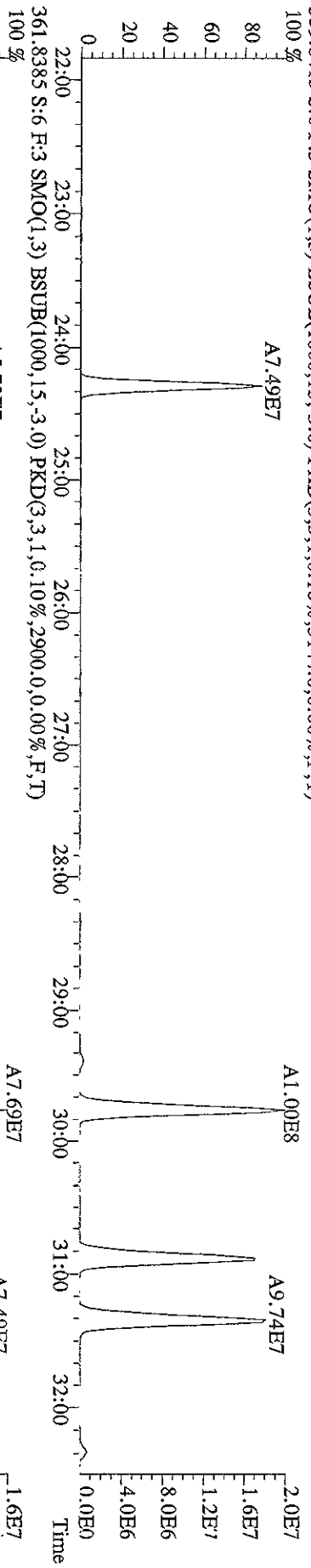
File:21AP09A9D5 #1-372 Acq:21-APR-2009 18:54:42 GC EI + Voltage SIR Autospec-UtimaE  
Sample#6 Text:K98KC-1-AC :G9D030338-LCS Exp:209DB5  
325.8834 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2828,0,0,00%,F,T)  
100 %



File: 21AP09A9D5 #1-600 Acq: 21-APR-2009 18:54:42 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#6 Text: K98KC-1-AC :G9D030338-1CS Exp: 209DB5  
 323.8834 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9044,0,0,00%,F,T)  
 100%



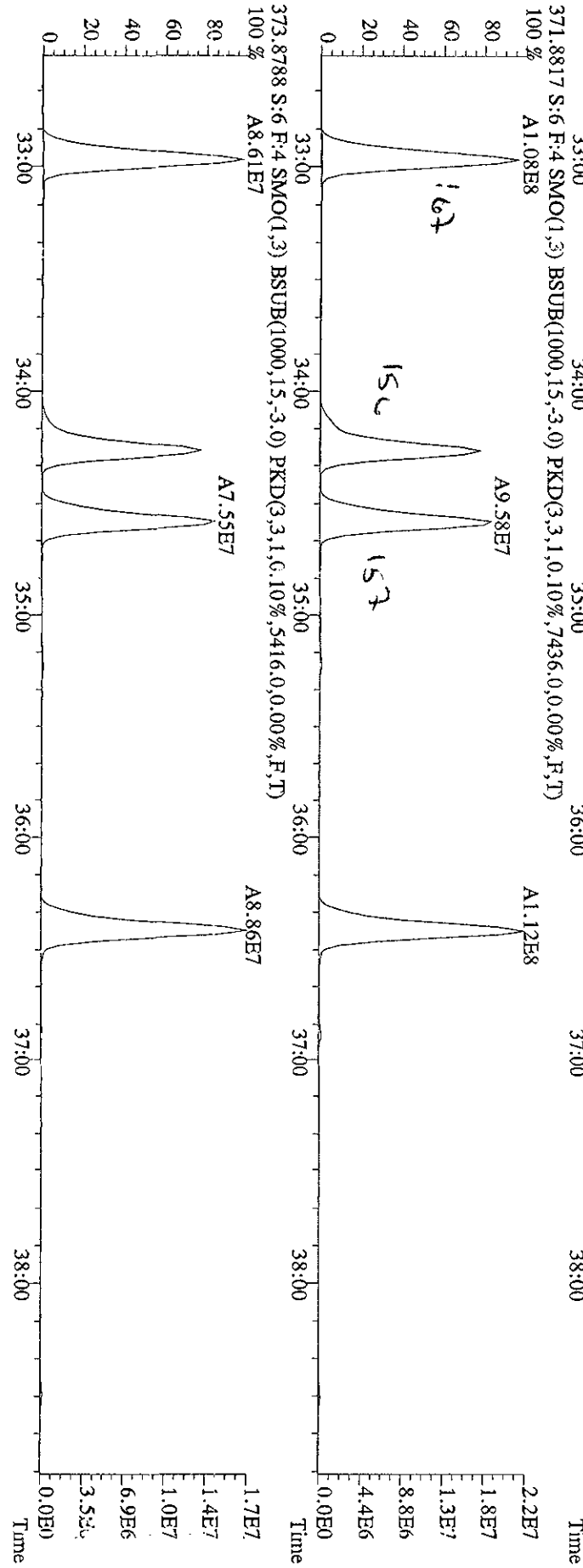
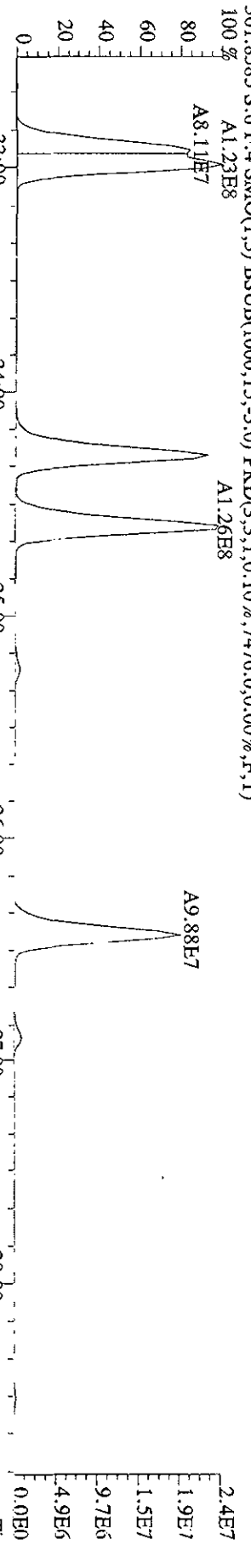
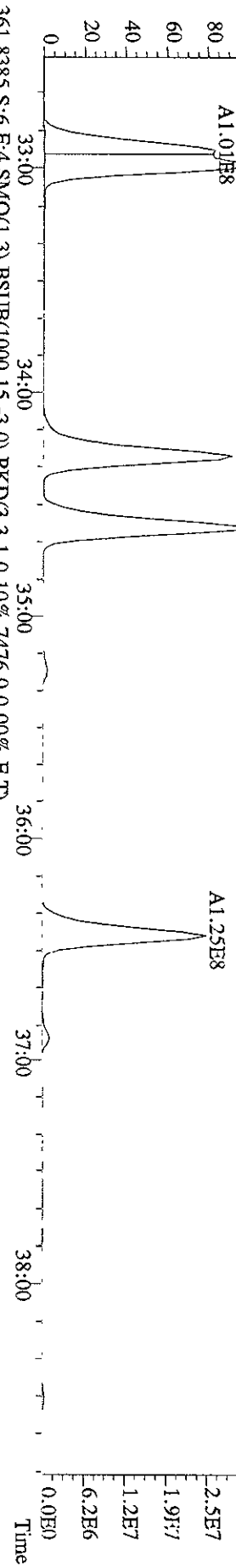
File:21AP09A9D5 #1-600 Acq:21-APR-2009 18:54:42 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:K98KC-1-AC :G9D030338-LCS Exp:209DB5  
 359.8415 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3144.0,0.00%,F,T)



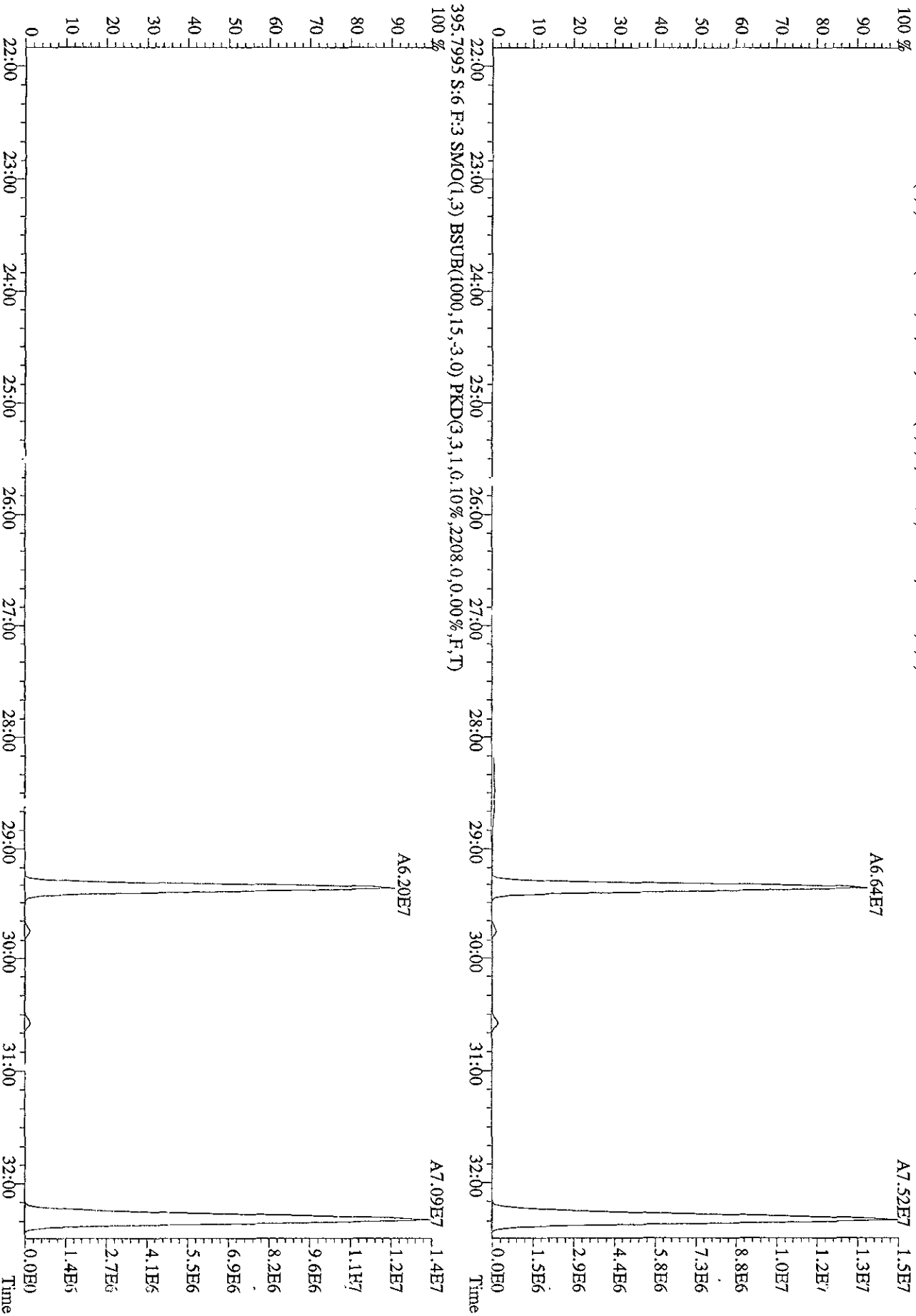
File:21AP09A9D5 #1-387 Acq:21-APR-2009 18:54:42 GC EI- Voltage SIR Autospec-Ultimate

Sample#6 Text:K98KC-1-AC :G9D030338-LCS Exp:209DB5

359.8415 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7476,0,0,00%,F,T)

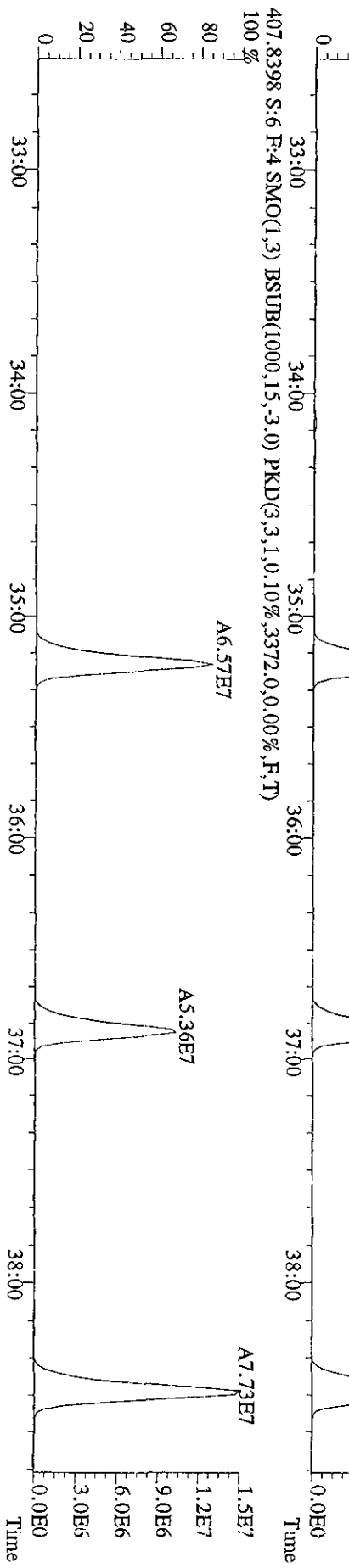
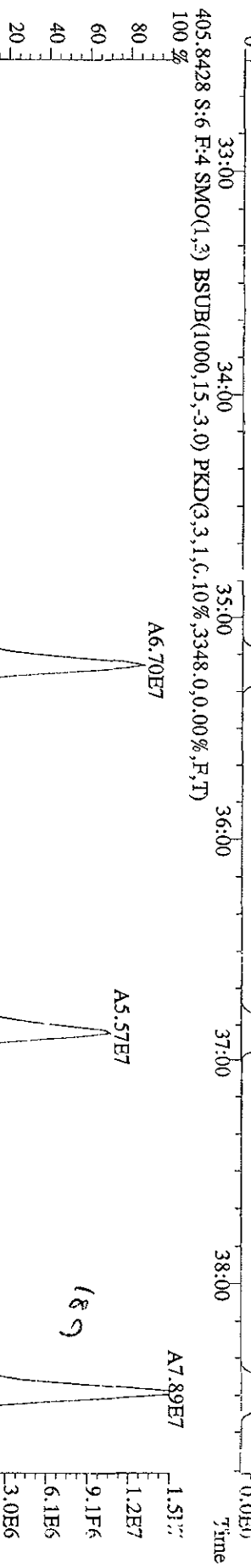
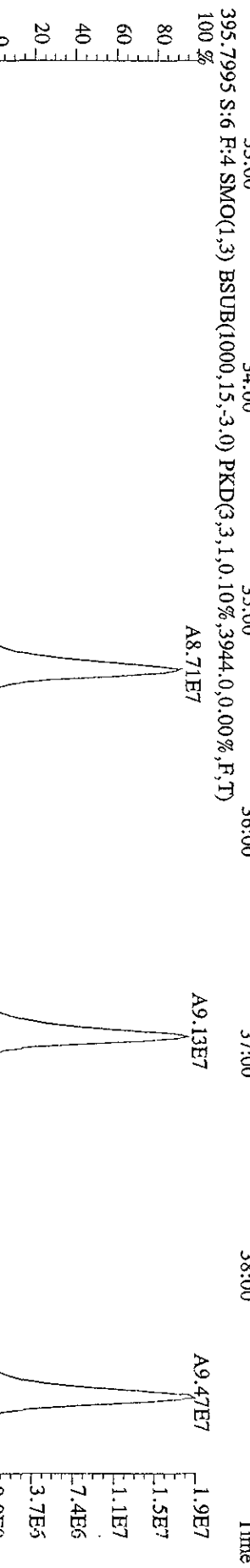
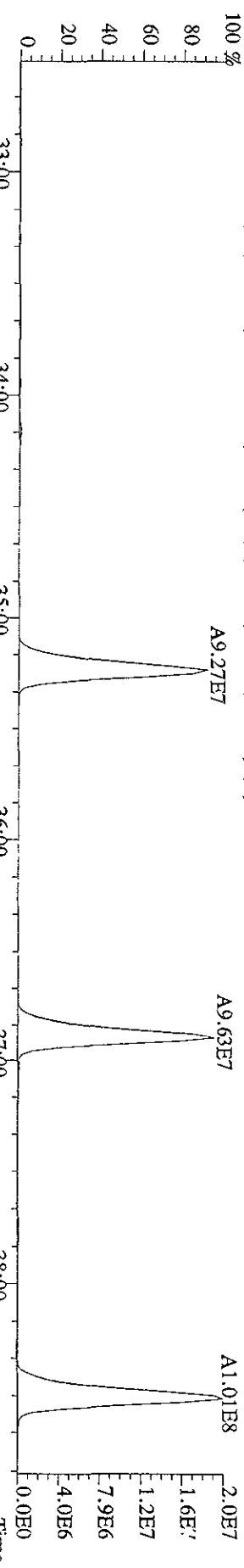


File: 21AP09A9D5 #1-600 Acq: 21-APR-2009 18:54:42 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#6 Text: K98KC-1-AC :G9D030338-LCS Exp: 209DB5  
393.8025 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6568,0,0,00%,F,T)

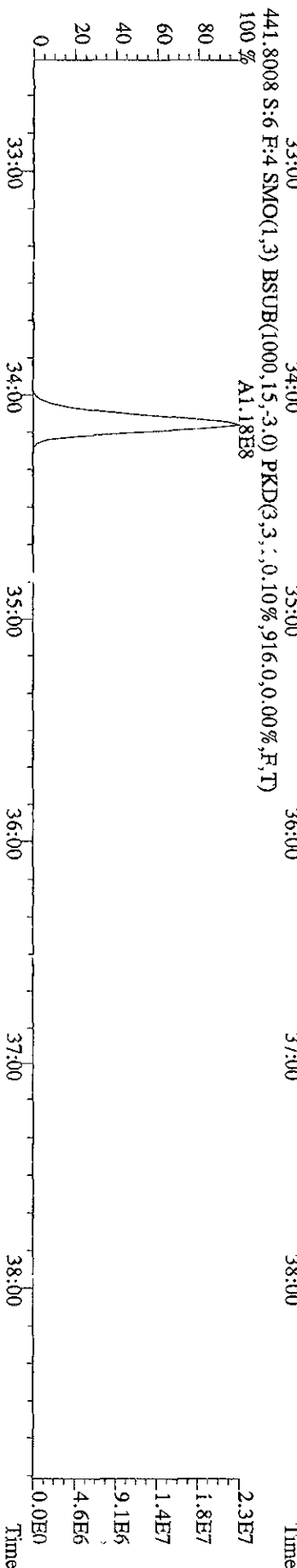
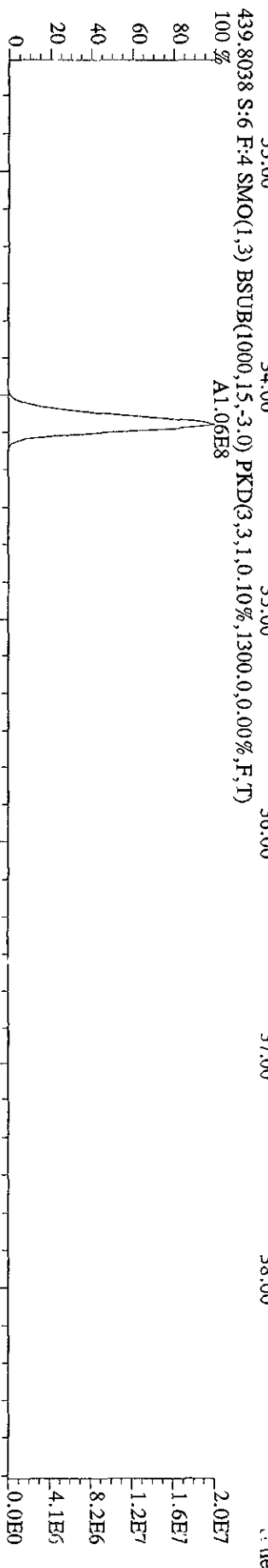
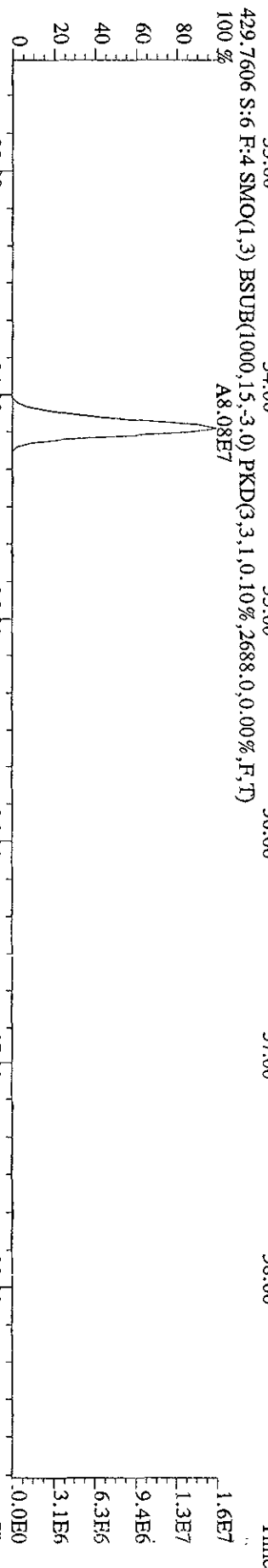
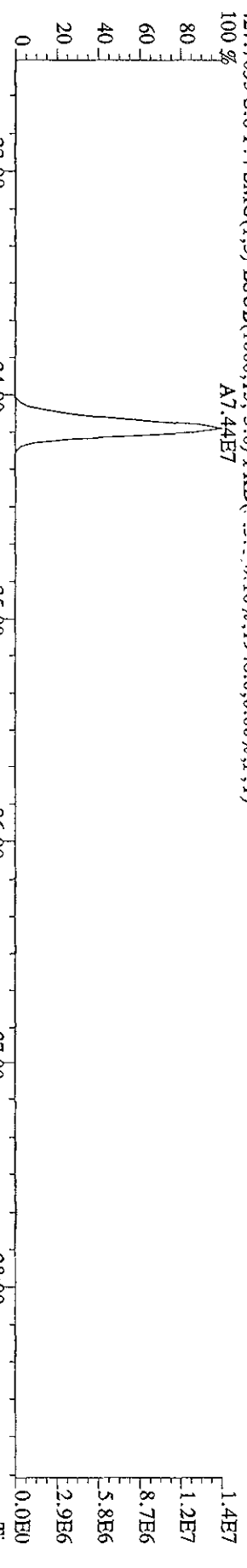




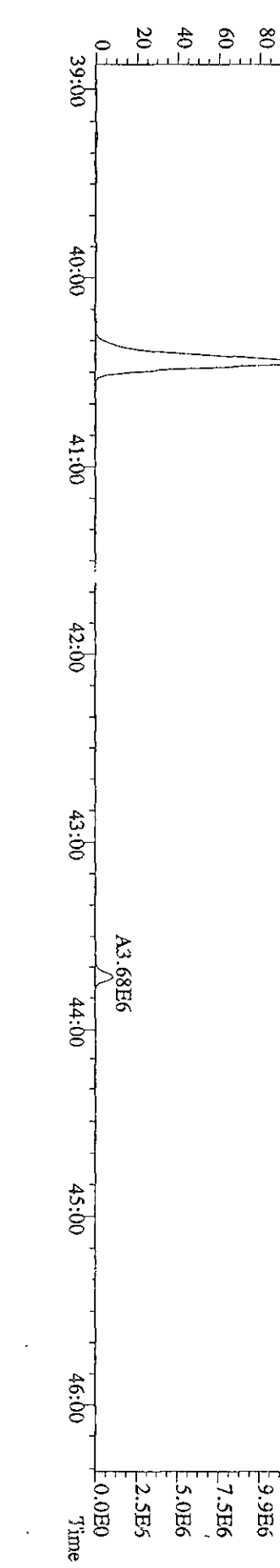
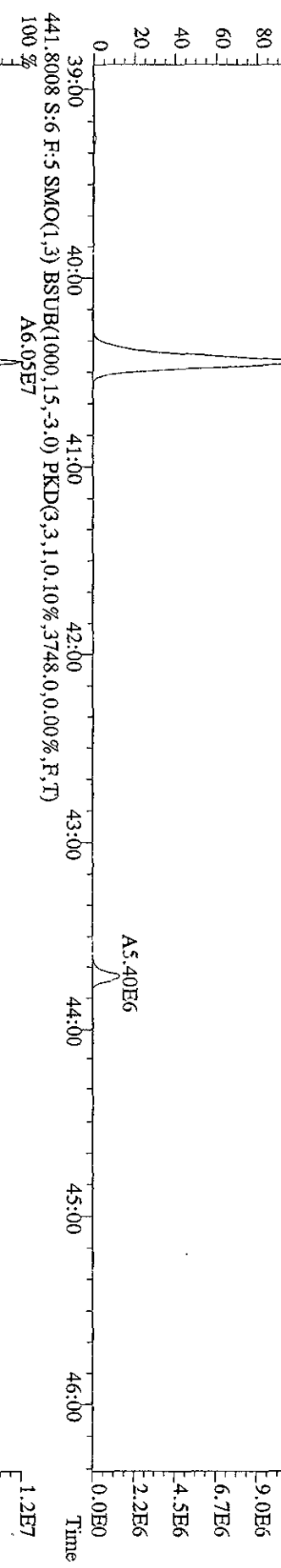
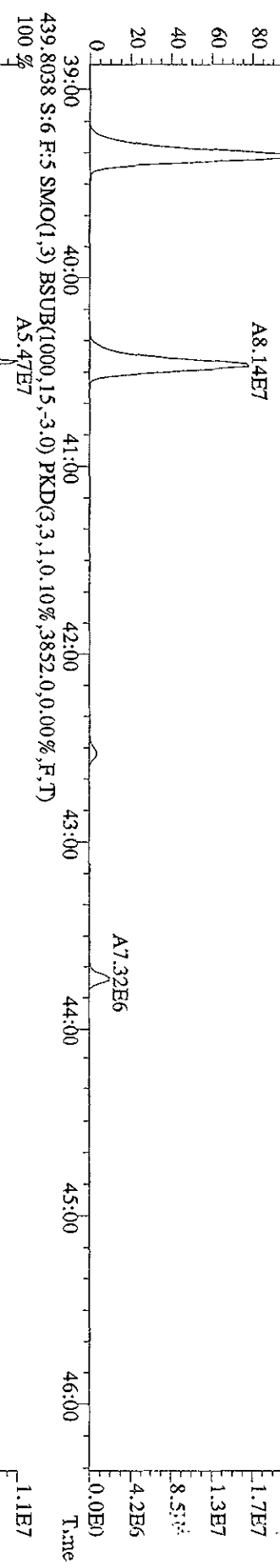
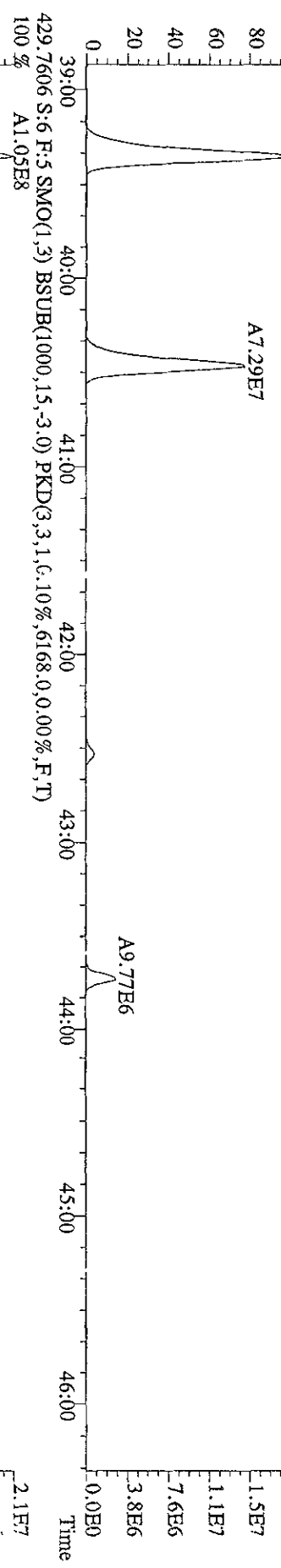
File:21AP09A9D5 #1-387 Acq:21-APR-2009 18:54:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:K98KC-1-AC :G9D030338-LCS Exp:2.09DB5  
 393.8025 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8460,0,0,00%,F,T) 100 %



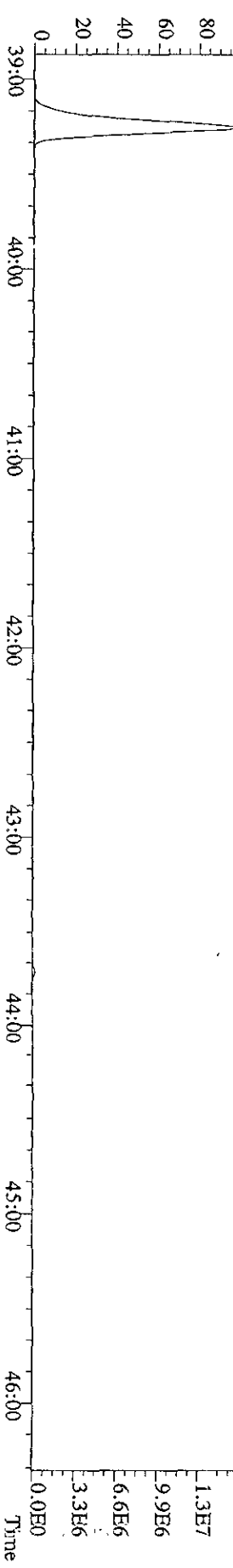
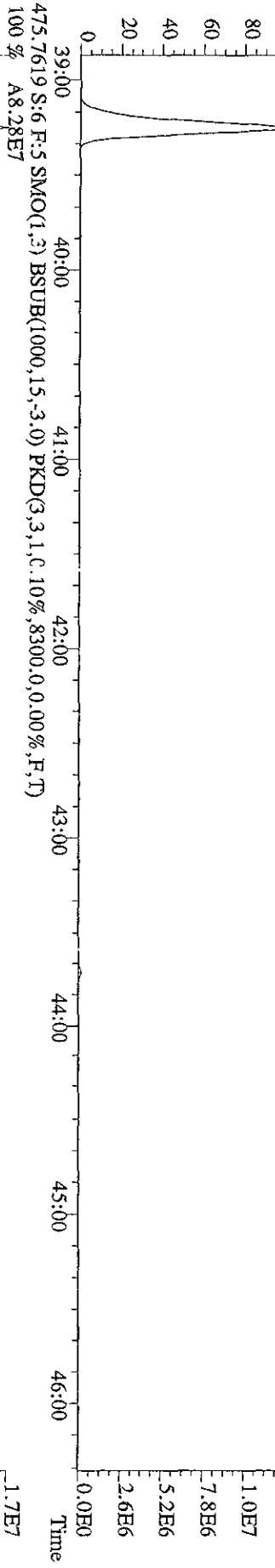
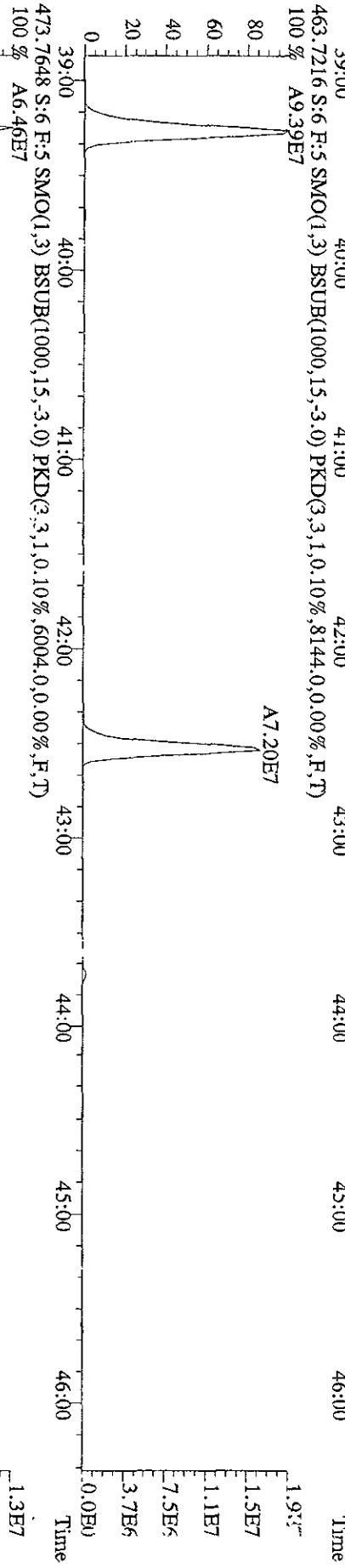
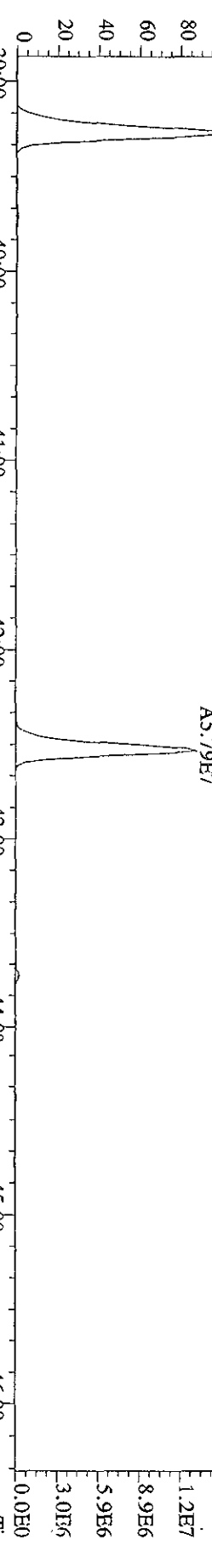
File:21AP09A9D5 #1-387 Acq:21-APR-2009 18:54:42 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:K98KC-1-AC :G9D030338-LCS Exp:209DB5  
 427.7635 S:6 F:4 SMO(1,3) BSUB(1000,15,3.0) PKD(3,3,1,0,10%,1948,0,0,00%,F,T)



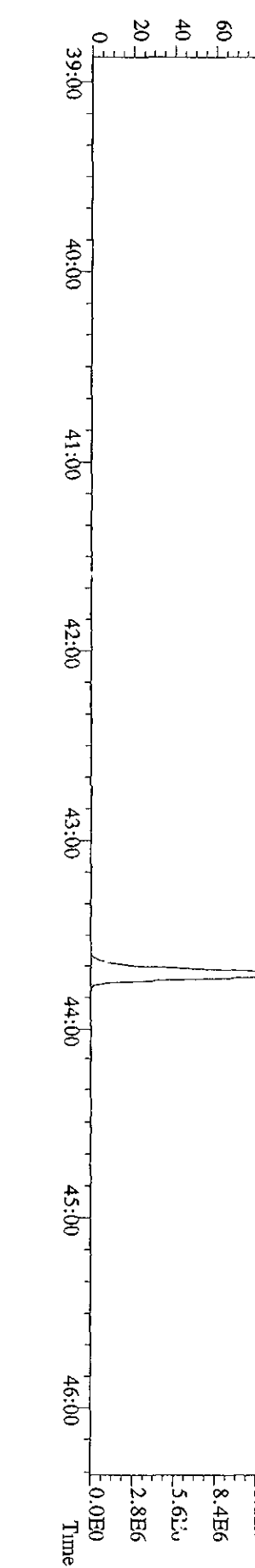
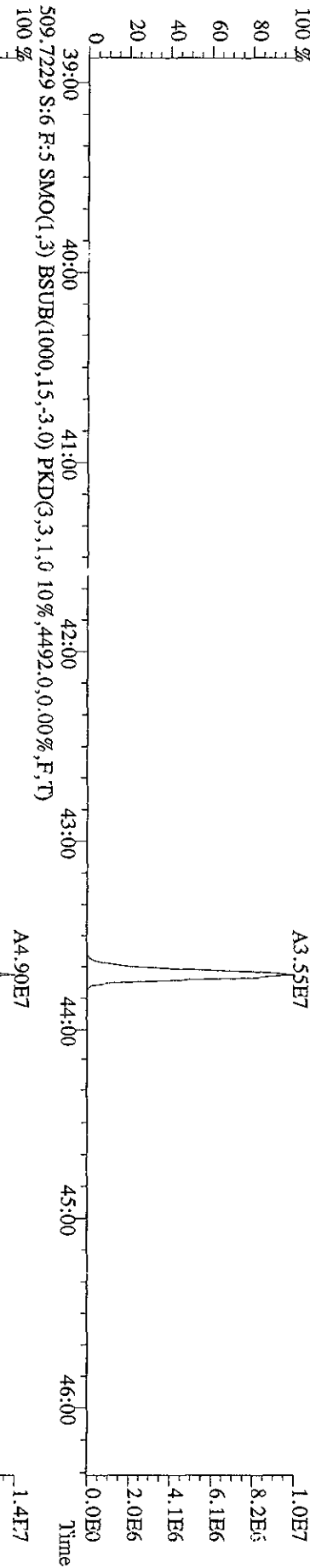
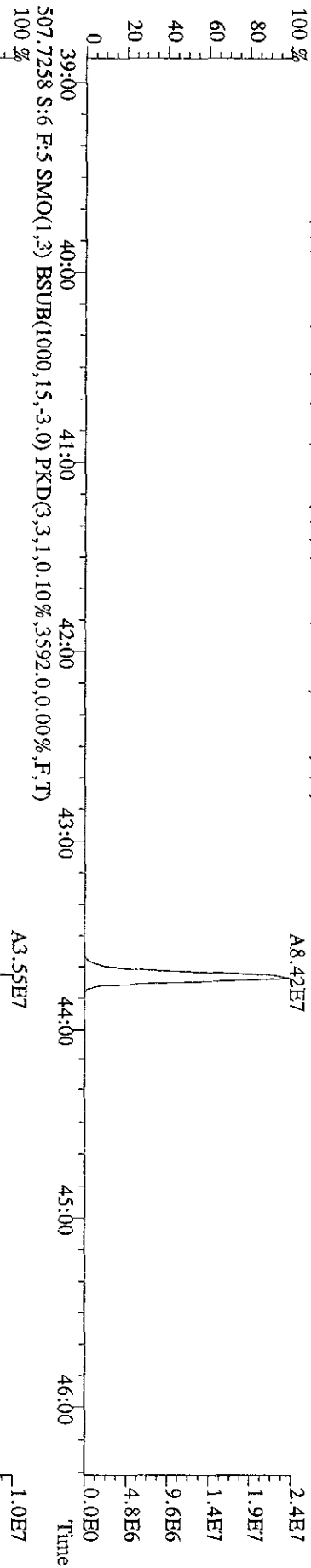
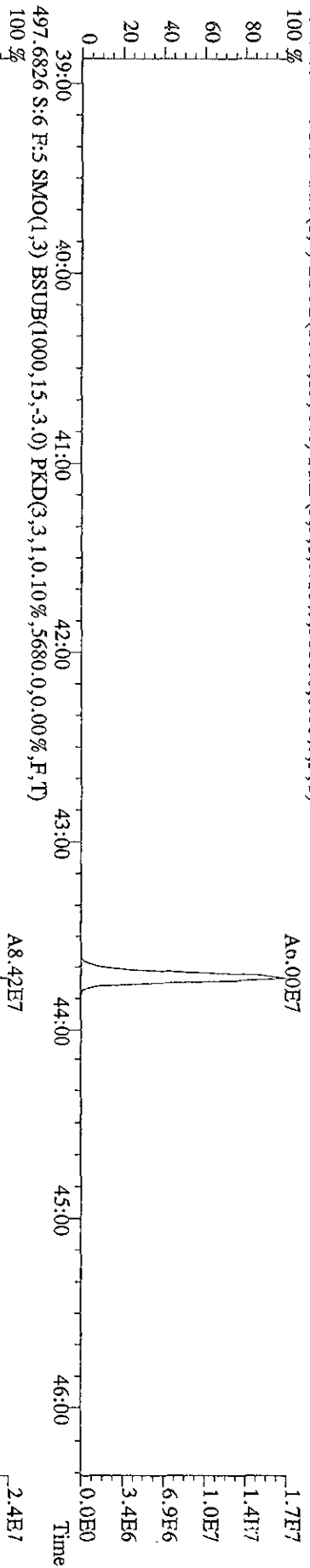
File:21AP09A9D5 #1-497 Acq:21-APR-2009 18:54:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:K98KC-1-AC :G9D030338-LCS Exp:209DB5  
 427.7635 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4288,0,0,00%,F,T)  
 100 % A9.50E7



File:21ADP09A9D5 #1-497 Acq:21-APR-2009 18:54:42 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#6 Text:K98KC-1-AC :G9D030338-LCS Exp:209DB5  
 461.7245 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,9716,0,0,00%,F,T)  
 100% A7.49E7



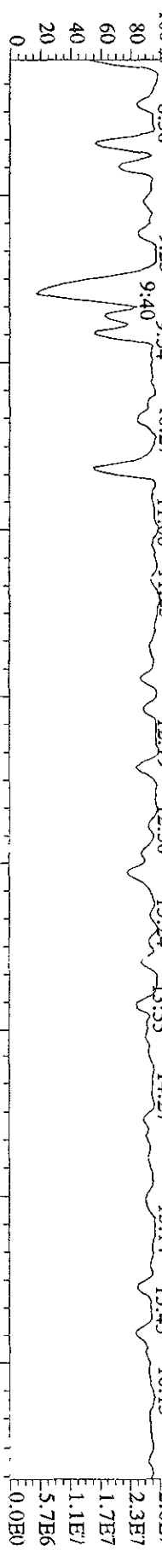
File: 21AP09A9D5 #1-497 Acq: 21-APR-2009 18:54:42 GC EF- Voltage SIR Autospec-Ultimate  
 Sample#6 Text: K98KC-1-AC : G9D030338-LCS Exp: 09DB5  
 495.6856 S: 6 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5180.0,0.00%,F,T)



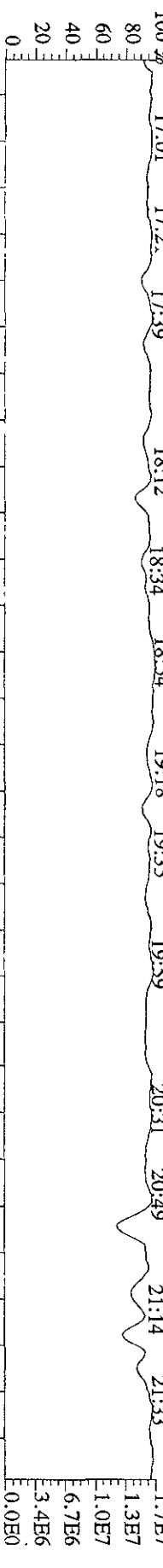
File:21AP09A9D5 #1-577 Acq:21-APR-2009 18:54:42 GC EI+ Voltage SIR Autospec-UltimaB

Sample#6 Text:K98KC-1-AC :G9D030338-LCS Exp:209DB5

218.9856 S:6 SMO(1,5) PKD(5,1,5,100,00%,0,0,0.00%,F,F)



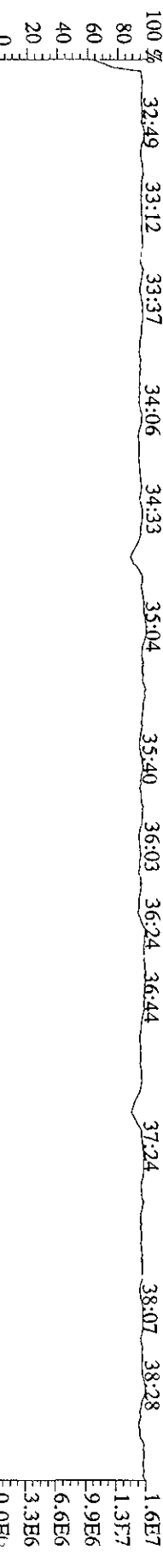
330.9792 S:6 F:2 SMO(1,5) PKD(5,1,5,100,00%,0,0,0.00%,F,F)



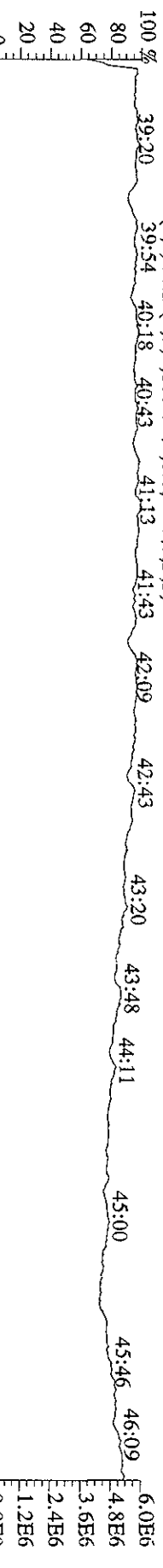
380.9760 S:6 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0.00%,F,F)



380.9760 S:6 F:4 SMO(1,5) PKD(5,1,5,100,00%,0,0,0.00%,F,F)



480.9696 S:6 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0.00%,F,F)



Run text: K9LD2-1-AC Sample text: K9LD2-1-AC :G9D030338-1(5X)  
 Run #10 Filename: 22AP099D5 S: 7 I: 1 Results: 22ap099d51668msldeca  
 Acquired: 22-APR-09 17:55:36 Processed: 30-APR-09 11:16:45  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.24 g

*RL = 10*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	30947200	0.64 y	24:47	-	1.24	-	-	n
13C-TCB-81	27185200	0.80 y	26:21	0.95	181.12	0.23	92.7	n
TCB-81	*	* n	NotFnd	1.28	*	0.30	-	n
13C-TCB-77	30185500	0.82 y	26:55	0.98	193.92	0.22	99.3	n
TCB-77	432374	0.60 n	26:56	1.10	2.54 < RL	0.32	-	n
13C-PeCB-123	25621280	0.64 y	28:17	0.87	185.55	0.09	95.0	n
PeCB-123	225245	0.43 n	28:21	1.51	1.14 < RL	0.37	-	Y
13C-PeCB-118	31918300	0.69 y	28:26	0.98	204.61	0.08	104.8	n
PeCB-118/106	3687520	0.59 y	28:27	1.53	14.77 ✓ <i>110x</i>	0.32	-	Y
13C-PeCB-114	27906300	0.67 y	29:04	0.97	182.26	0.08	93.3	n
PeCB-114	225245	0.43 n	28:21	1.59	0.99	0.33	-	Y
13C-PeCB-105	25664400	0.65 y	29:56	0.90	180.52	0.09	92.4	n
PeCB-105/127	1988498	0.61 y	29:57	1.42	10.64 ✓	0.42	-	n
13C-PeCB-126	25310310	0.64 y	31:50	0.91	175.24	0.09	89.7	n
PeCB-126	*	* n	NotFnd	1.17	*	0.54	-	n
13C-OcCB-202	27188800	0.84 y	34:07	-	1.03	-	-	n
13C-HxCB-167	31921800	1.26 y	32:58	0.84	272.48	0.51	139.5	n
HxCB-167	354813	1.27 y	32:57	1.17	1.86 < RL	0.21	-	Y
13C-HxCB-156	25886500	1.28 y	34:16	0.67	277.46	0.64	142.1	n
HxCB-156	725766	1.30 y	34:17	1.45	3.77	0.21	-	n
13C-HxCB-157	27434300	1.26 y	34:35	0.71	278.82	0.60	142.8	n
HxCB-157	183860	1.58 n	34:36	1.45	0.90	0.19	-	n
13C-HxCB-169	30158000	1.26 y	36:25	0.73	295.35	0.58	151.2	n
HxCB-169	*	* n	NotFnd	0.99	*	0.25	-	n
13C-HpCB-180	21918200	1.07 y	35:13	0.58	269.32	0.38	137.9	n
HpCB-180	6679340	1.08 y	35:14	1.27	47.04	0.31	-	n
13C-HpCB-170	18180570	1.07 y	36:51	0.47	275.29	0.47	140.9	n
HpCB-170/190	3244340	1.06 y	36:53	1.61	21.70	0.30	-	n
13C-HpCB-189	24694600	1.04 y	38:30	0.60	296.39	0.37	151.7	n
HpCB-189	177208	1.17 y	38:30	1.21	1.16 < RL	0.29	-	n
13C-DeCB-209	7618290	0.72 y	43:42	0.46	118.93	0.48	60.9	n
DeCB-209	166752	0.75 y	43:43	1.50	2.84	0.77	-	n
13C-PeCB-111	25310310	0.64 y	31:50	1.36	131.17	0.08	67.2	n

*Vg 5.6.09*

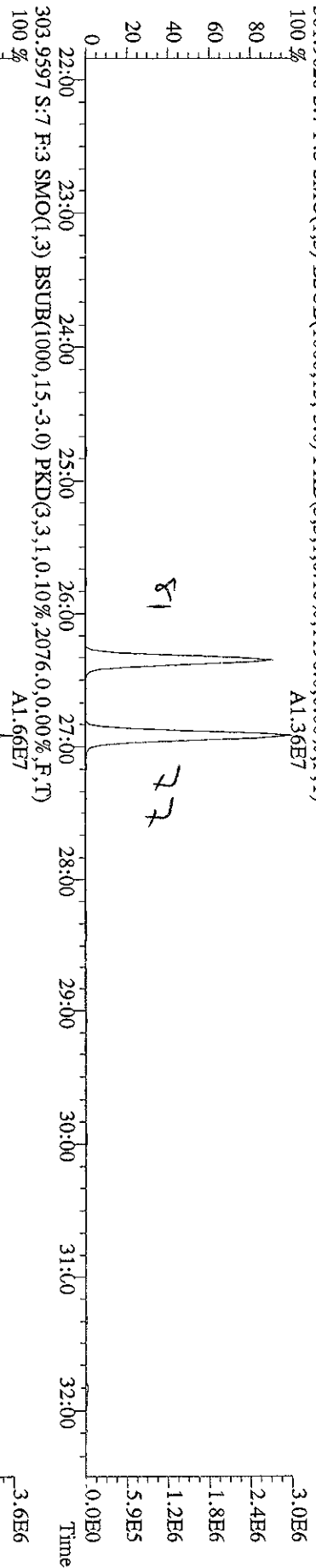
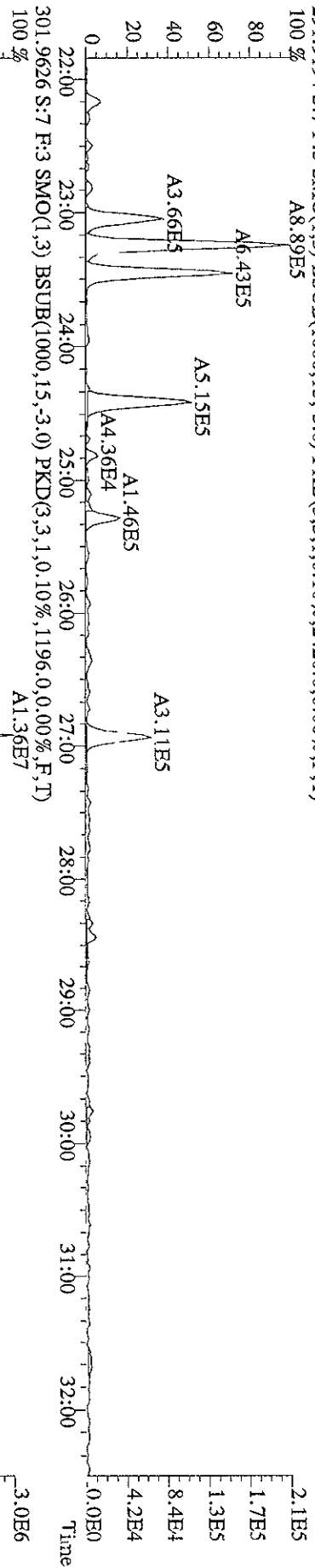
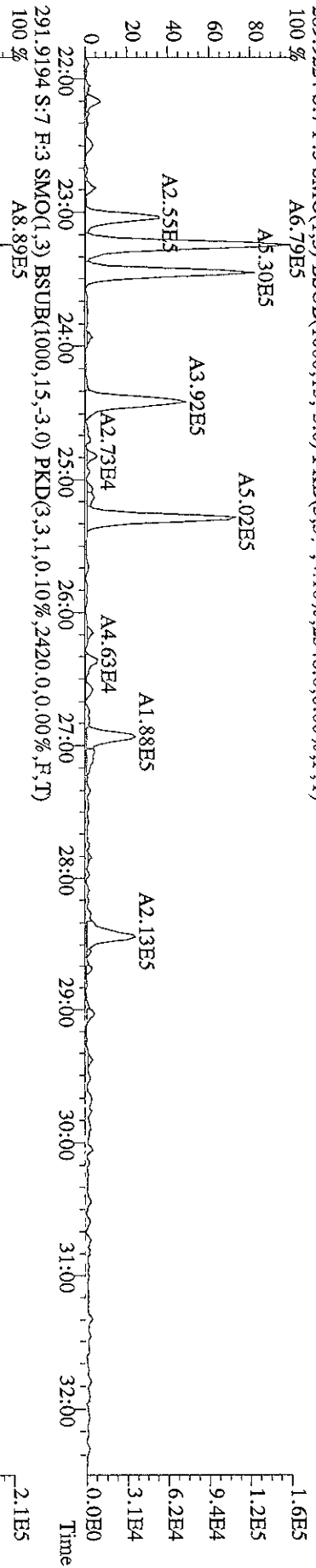
Run text: K9LD2-1-AC Sample text: K9LD2-1-AC :G9D030338-1(EX) ✓  
 Run #10 Filename: 22AP099D5 S: 7 I: 1 Results: 22AP099D51668MSLDECA  
 Acquired: 22-APR-09 17:55:36 Processed: 30-APR-09 11:16:45  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.24007g

R  
L  
=

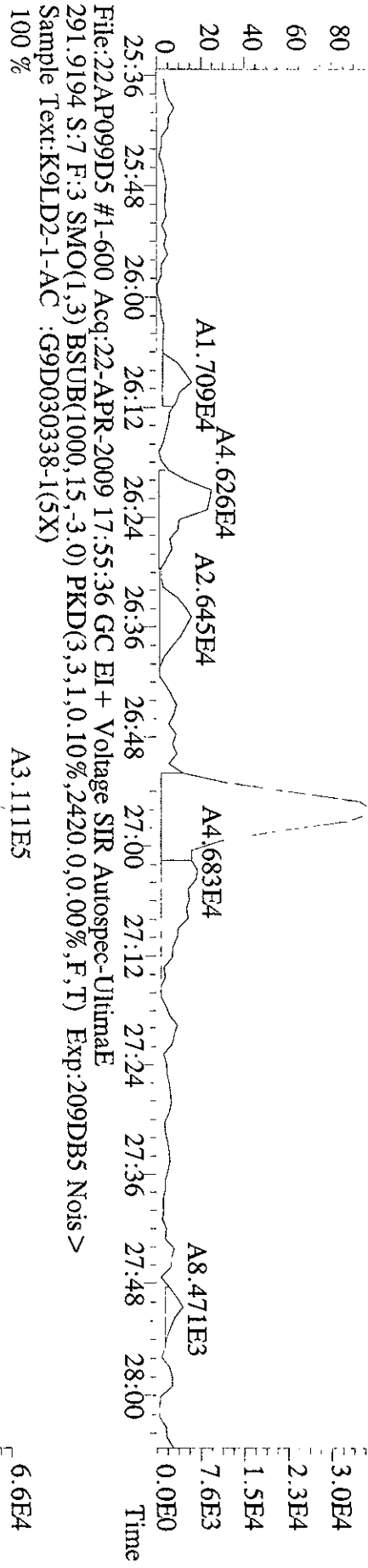
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	30947200	0.64 y	24:47	-	1.24	-	-	n
13C-TCB-81	27185200	0.80 y	26:21	0.95	181.12	0.23	92.7	n
TCB-81	*	* n	NotFnd	1.28	*	0.30	-	n
13C-TCB-77	30185500	0.82 y	26:55	0.98	193.92	0.22	99.3	n
TCB-77	432374	0.60 n	26:56	1.10	2.54 NDC	0.32	-	n
13C-PeCB-123	25621280	0.64 y	28:17	0.87	185.55	0.09	95.0	n
PeCB-123	*	* n	NotFnd	1.51	* L2	0.37	-	n
13C-PeCB-118	31918300	0.69 y	28:26	0.98	204.61	0.08	104.8	n
PeCB-118/106	3980080	0.59 y	28:27	1.53	15.94 ✓	0.32	-	n
13C-PeCB-114	27906300	0.67 y	29:04	0.97	182.26	0.08	93.3	n
PeCB-114	*	* n	NotFnd	1.59	*	0.33	-	n
13C-PeCB-105	25664400	0.65 y	29:56	0.90	180.52	0.09	92.4	n
PeCB-105/127	1988498	0.61 y	29:57	1.42	10.64 ✓	0.42	-	n
13C-PeCB-126	25310310	0.64 y	31:50	0.91	175.24	0.09	89.7	n
PeCB-126	*	* n	NotFnd	1.17	*	0.54	-	n
13C-OcCB-202	27188800	0.84 y	34:07	-	1.03	-	-	n
13C-HxCB-167	31921800	1.26 y	32:58	0.84	272.48	0.51	139.5	n
HxCB-167	856818	1.94 n	32:54	1.17	4.49 L2	0.21	-	n
13C-HxCB-156	25886500	1.28 y	34:16	0.67	277.46	0.64	142.1	n
HxCB-156	725766	1.30 y	34:17	1.45	3.77 ✓	0.21	-	n
13C-HxCB-157	27434300	1.26 y	34:35	0.71	278.82	0.60	142.8	n
HxCB-157	183860	1.58 n	34:36	1.45	0.90	0.19	-	n
13C-HxCB-169	30158000	1.26 y	36:25	0.73	205.35	0.58	151.2	n
HxCB-169	*	* n	NotFnd	0.99	*	0.25	-	n
13C-HpCB-180	21918200	1.07 y	35:13	0.58	269.32	0.38	137.9	n
HpCB-180	6679340	1.08 y	35:14	1.27	47.04	0.31	-	n
13C-HpCB-170	18180570	1.07 y	36:51	0.47	275.29	0.47	140.9	n
HpCB-170/190	3244340	1.06 y	36:53	1.61	21.70	0.30	-	n
13C-HpCB-189	24694600	1.04 y	38:30	0.60	296.39	0.37	151.7	n
HpCB-189	177208	1.17 y	38:30	1.21	1.16 L2	0.29	-	n
13C-DeCB-209	7618290	0.72 y	43:42	0.46	118.93	0.48	60.9	n
DECB-209	166752	0.75 y	43:43	1.50	2.84	0.77	-	n
13C-PeCB-111	25310310	0.64 y	31:50	1.36	131.17	0.08	67.2	n



File: 22AP099D5 #1-600 Acq: 22-APR-2009 17:55:36 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#7 Text: K9LD2-1-AC :G9D03038-1(SX) Exp: 209DB5  
289.9224 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2348,0,0.00%,F,T)  
A6.79E5

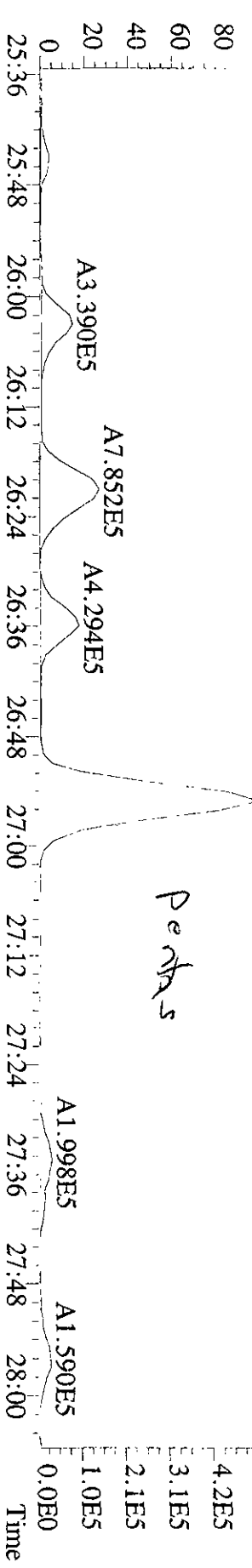


File:22AP099D5 #1-600 Acq:22-APR-2009 17:55:36 GC EI+ Voltage SIR Autospec-Ultimate  
 289.9224 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2348.0,0.00%,F,T) Exp:209DB5 Nois >  
 Sample Text:K9ILD2-1-AC :G9D030338-1(5X)  
 100%  
 80  
 60  
 40  
 20  
 0



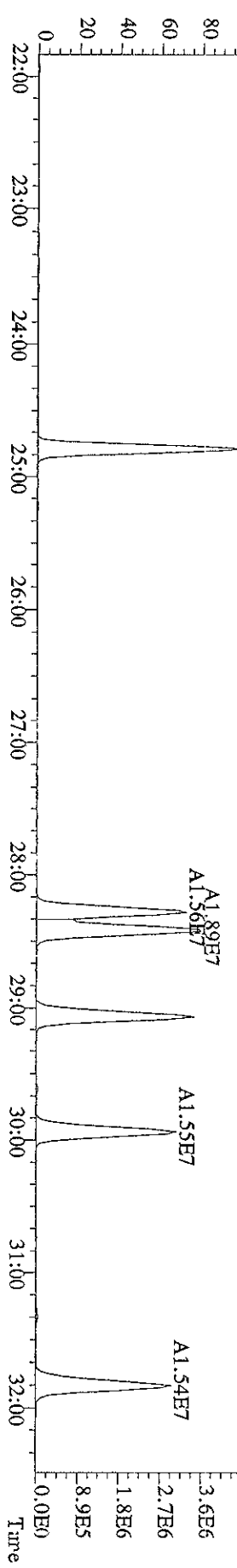
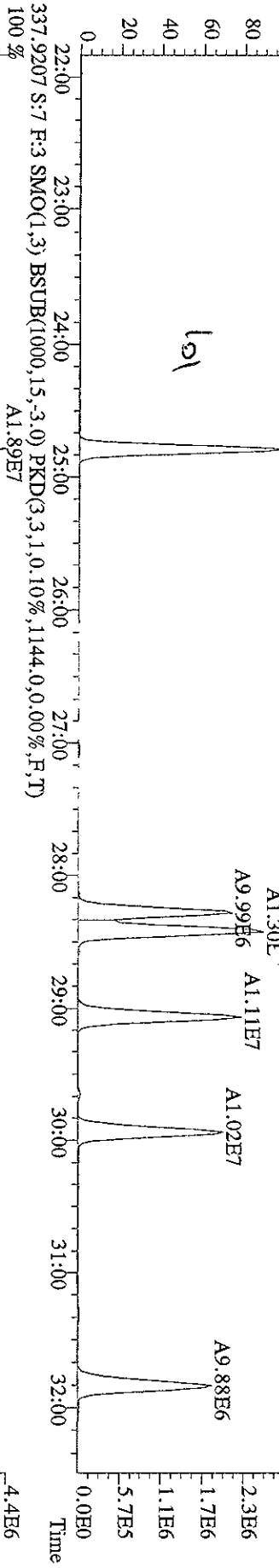
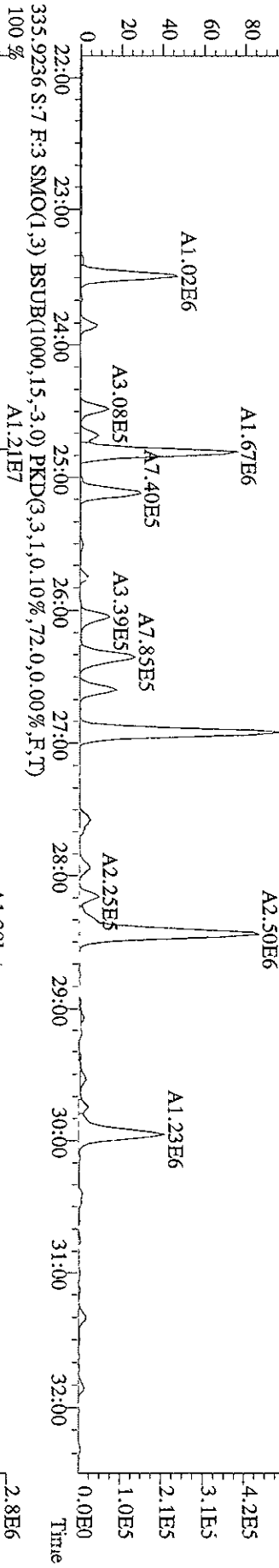
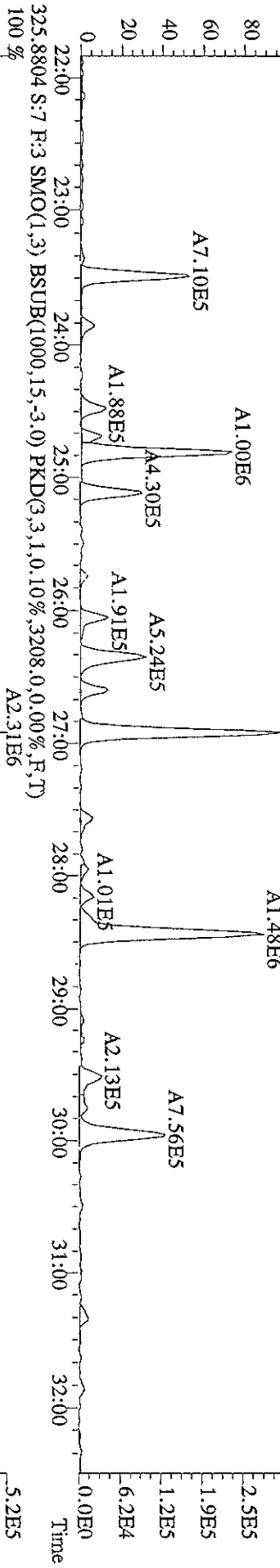
MORE THAN 50%  
 CONTRIBUTION FROM A  
 HIGHER CHLORINATION PCB

File:22AP099D5 #1-600 Acq:22-APR-2009 17:55:36 GC EI+ Voltage SIR Autospec-Ultimate  
 325.8804 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3208.0,0.00%,F,T) Exp:209DB5 Nois >  
 Sample Text:K9ILD2-1-AC :G9D030338-1(5X)  
 100%  
 80  
 60  
 40  
 20  
 0

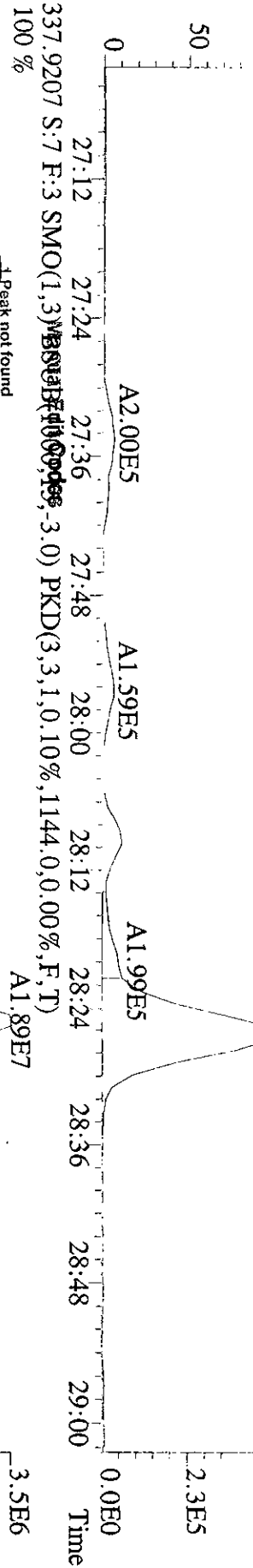
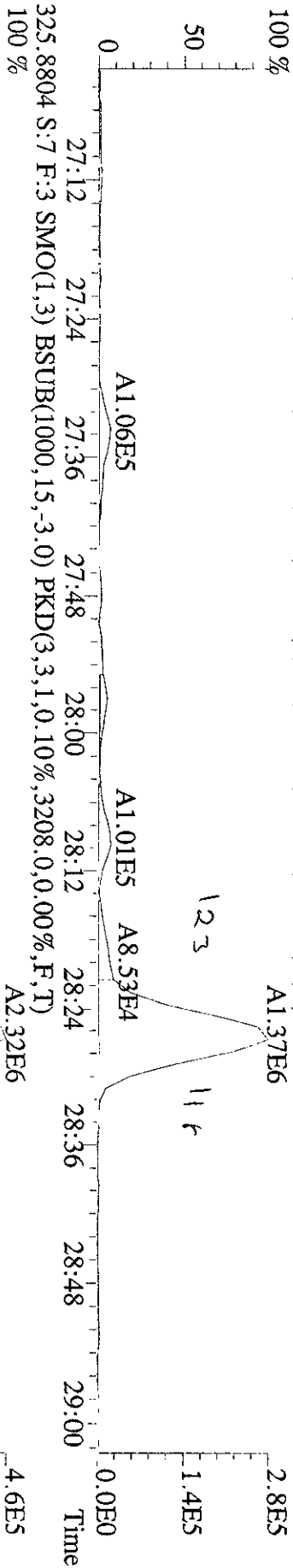


Pent

File: 22AP099D5 #1-600 Acq: 22-APR-2009 17:55:36 GC-EL+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text: K9LD2-1-AC : G9D030338-1(5X) Exp: 209DB5  
 323.8834 S: 7 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2892.0,0.00%,F,T)  
 100%



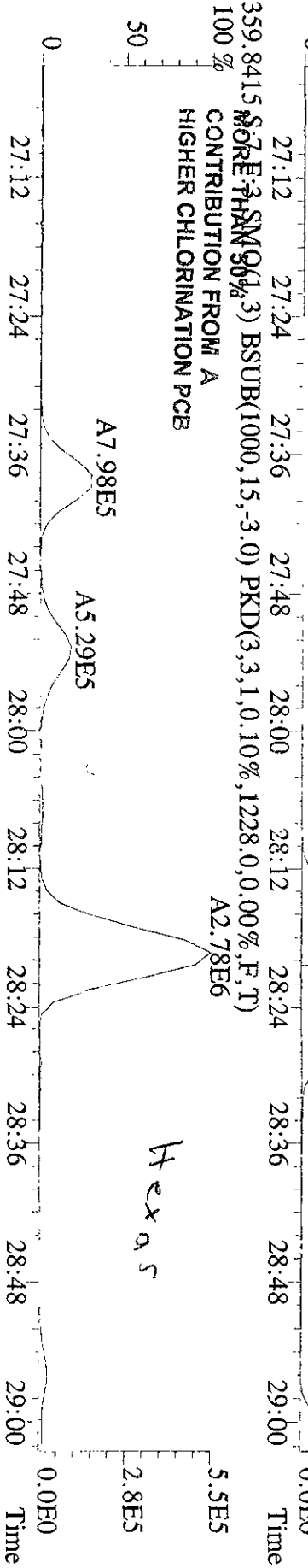
File: 22AP099D5 #1-600 Acq: 22-APR-2009 17:55:36 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#7 Text: K9LD2-1-AC : G9D030338-1 ( Exp: 209DB5  
 323.8834 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2892,0,0.00%,F,T)  
 100%



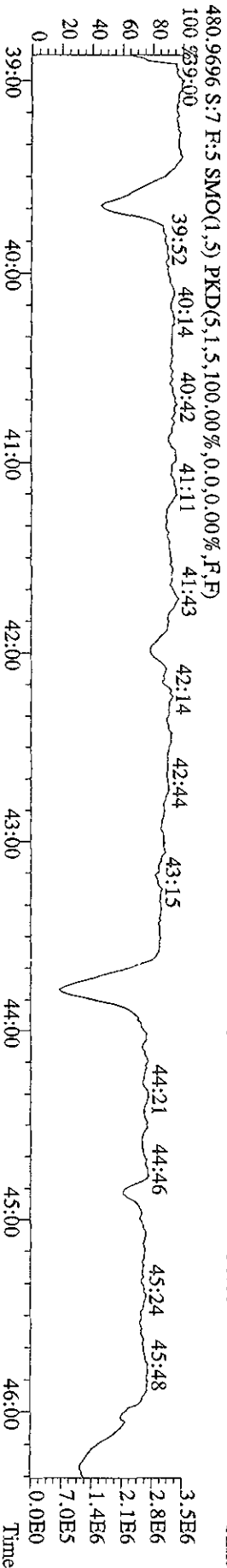
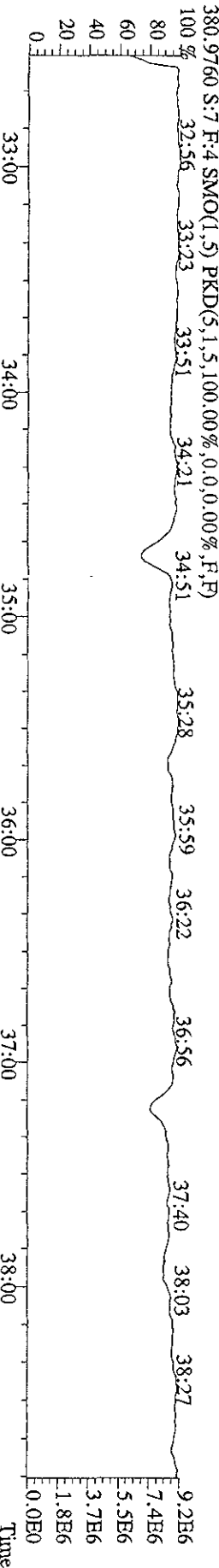
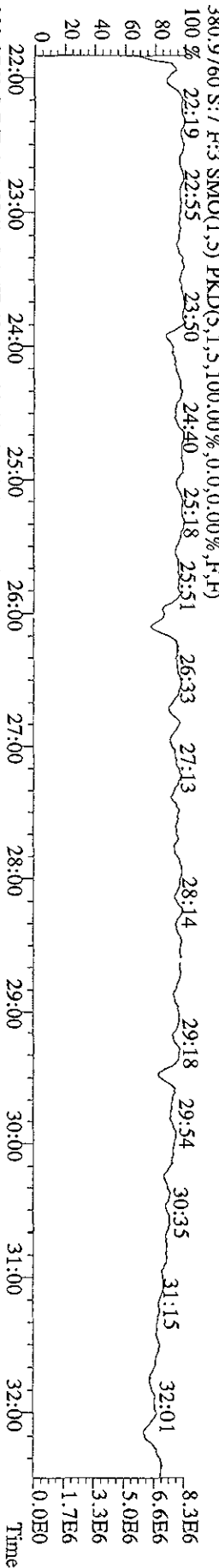
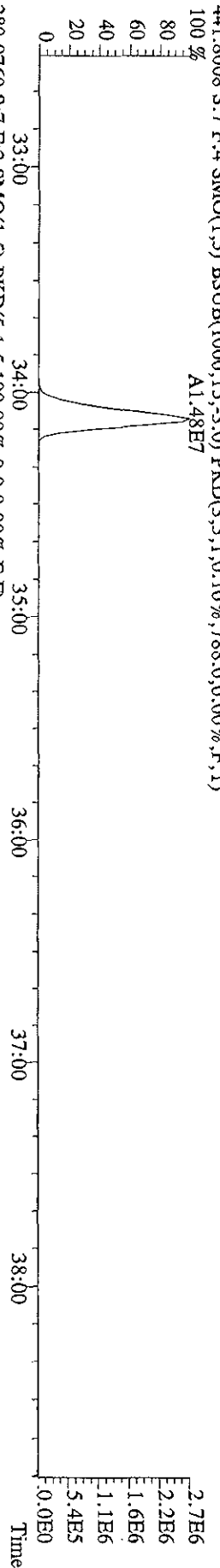
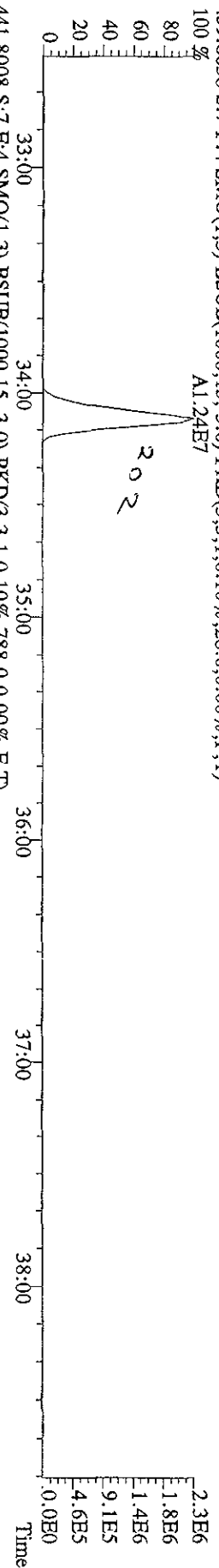
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst: VP Date: 5.6.09

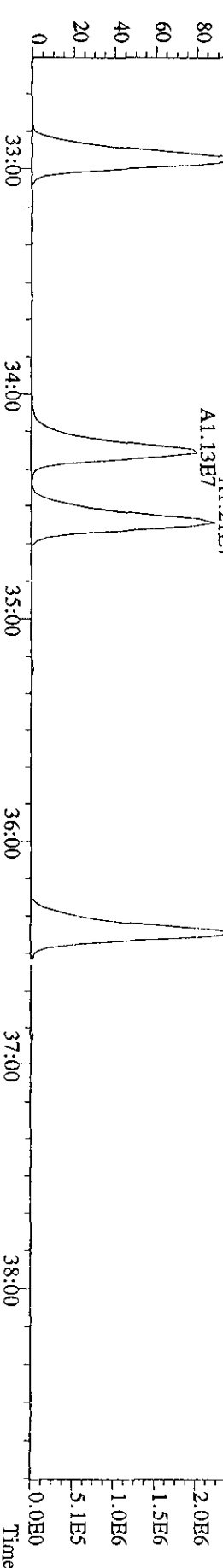
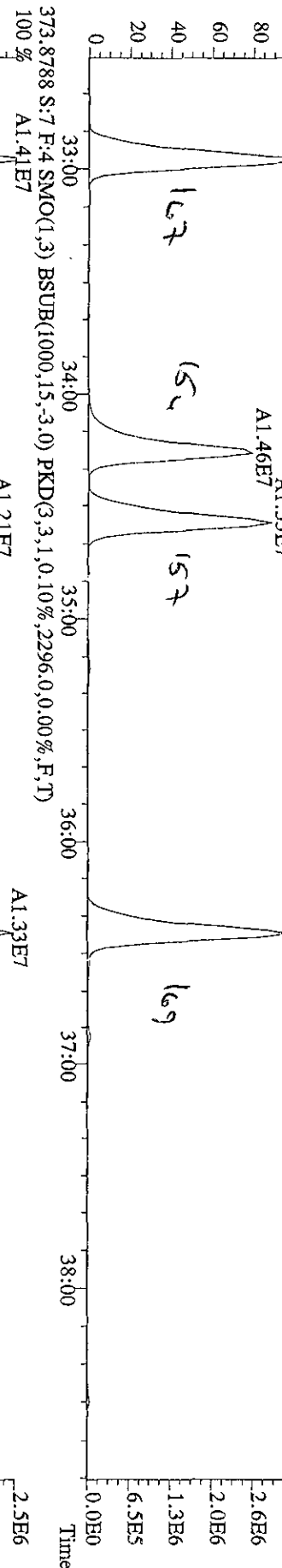
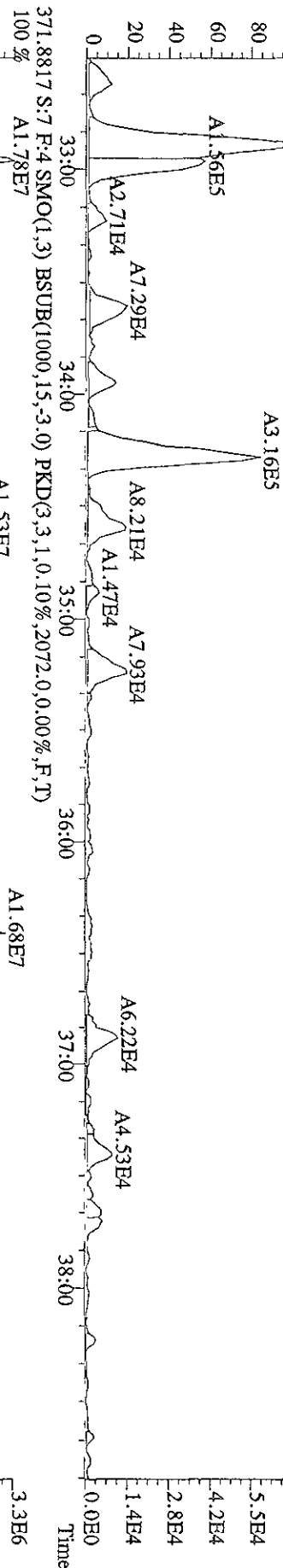
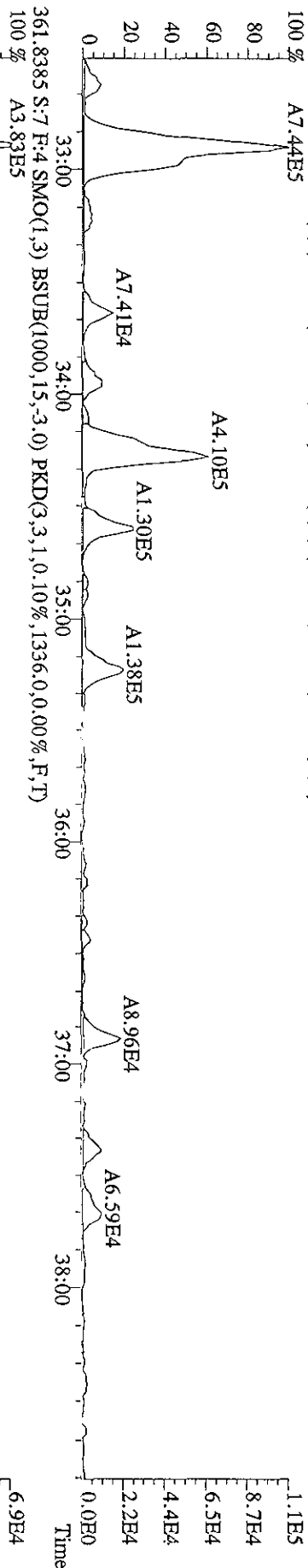
359.8415 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1228,0,0.00%,F,T)  
 100% CONTRIBUTION FROM A  
 HIGHER CHLORINATION PCB



File:22AP099D5 #1-387 Acq:22-APR-2009 17:55:36 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#7 Text:K9LD2-1-AC :G9D030338-1(5X) Exp:209DB5  
 439.8038 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,28,0,0.00%,F,T)



File:22AP099D5 #1-387 Acq:22-APR-2009 17:55:36 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:K9LD2-1-AC :G9D030338-1(5X) Exp:209DB5  
 359.8415 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1588,0,0,00%,F,T)  
 100% A7.44E5



File:22AP099D5 #1-387 Acq:22-APR-2009 17:55:36 GC FI + Voltage SIR Autospec-Ultimate

Sample#7 Text:K9LD2-1-AC :G9D030338-1 ( Exp:209DB5

359.8415 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1588.0,0.00%,F,T)

100% A5.36E5

A1.99E5

A7.41E4

A5.85E4

1.1E5  
8.7E4  
6.5E4  
4.4E4  
2.2E4  
0.0E0

Time

361.8385 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1336.0,0.00%,F,T)

A3.83E5

A1.56E5

A7.29E4

A4.78E4

6.9E4  
5.5E4  
4.2E4  
2.8E4  
1.4E4  
0.0E0

Time

373.8788 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2296.0,0.00%,F,T)

A1.41E7

A2.71E4

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

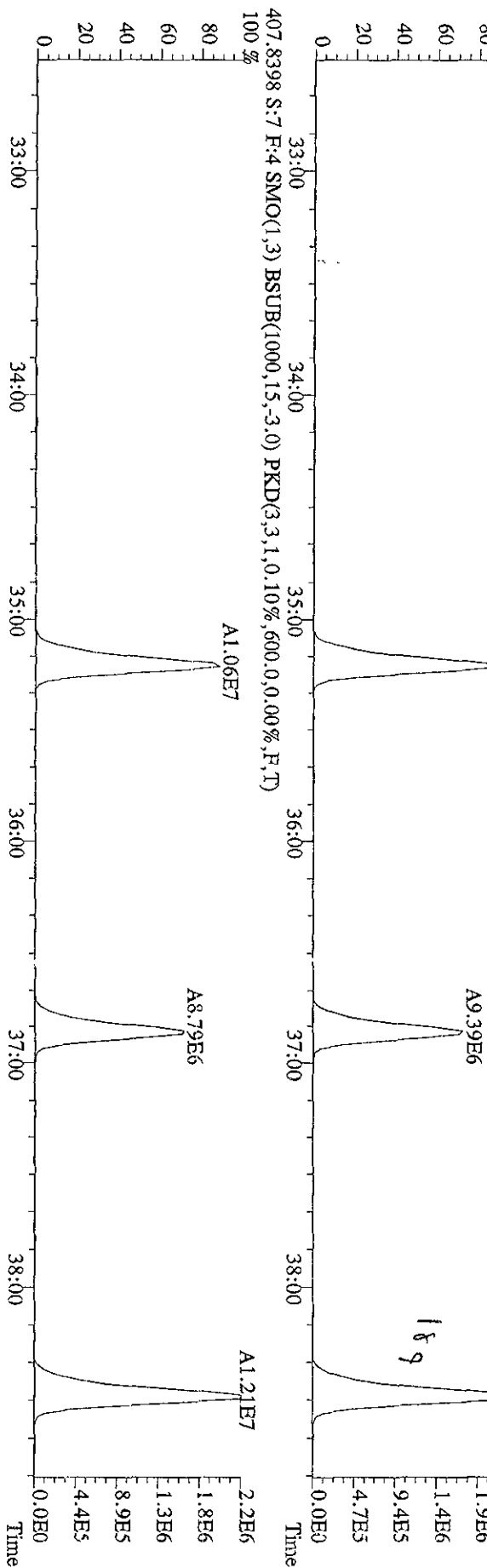
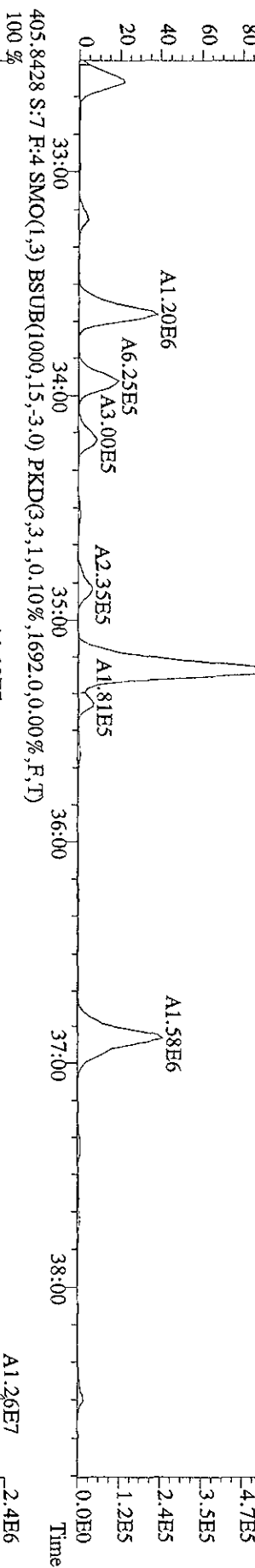
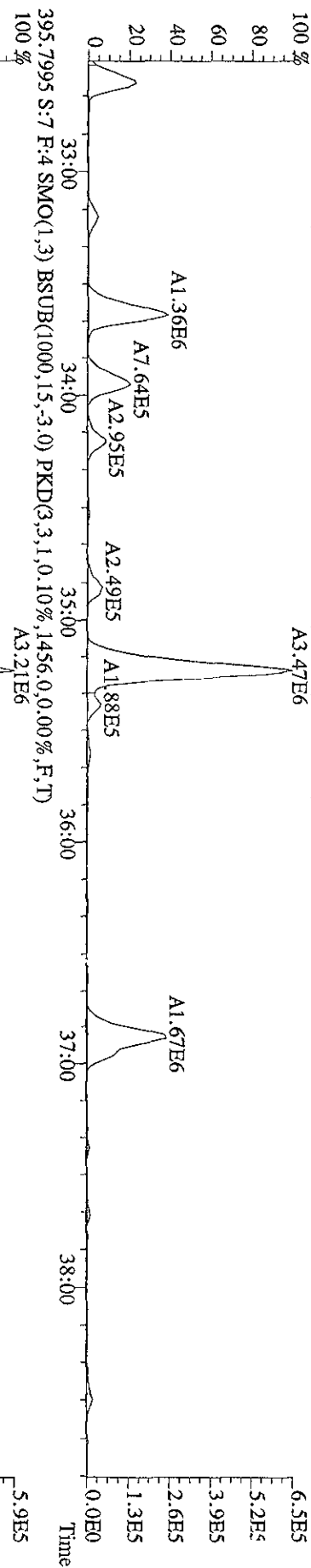
Analyst VP Date 5.6.09

2.5E6  
2.0E6  
1.5E6  
1.0E6  
5.1E5  
0.0E0

Time

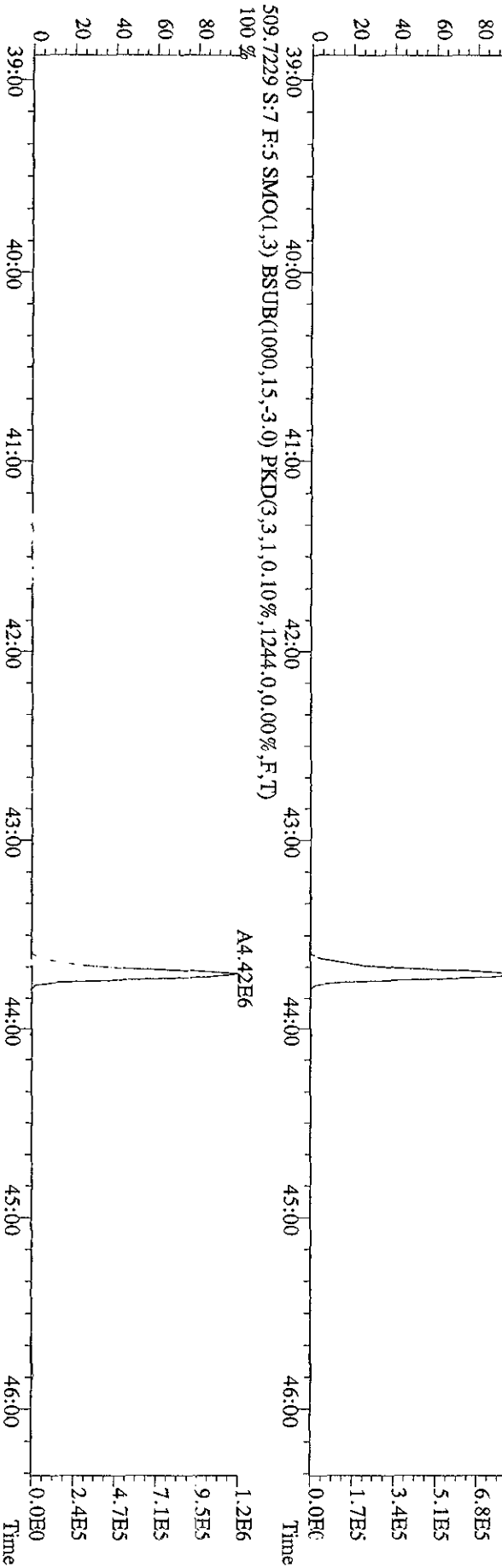
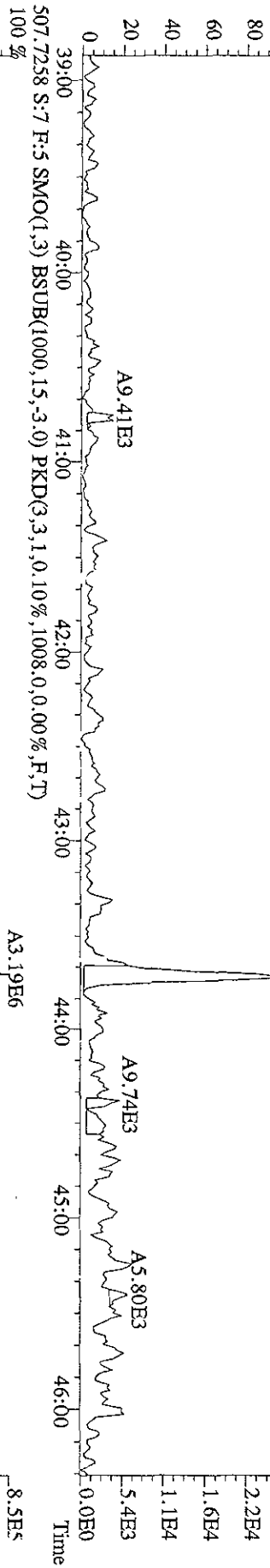
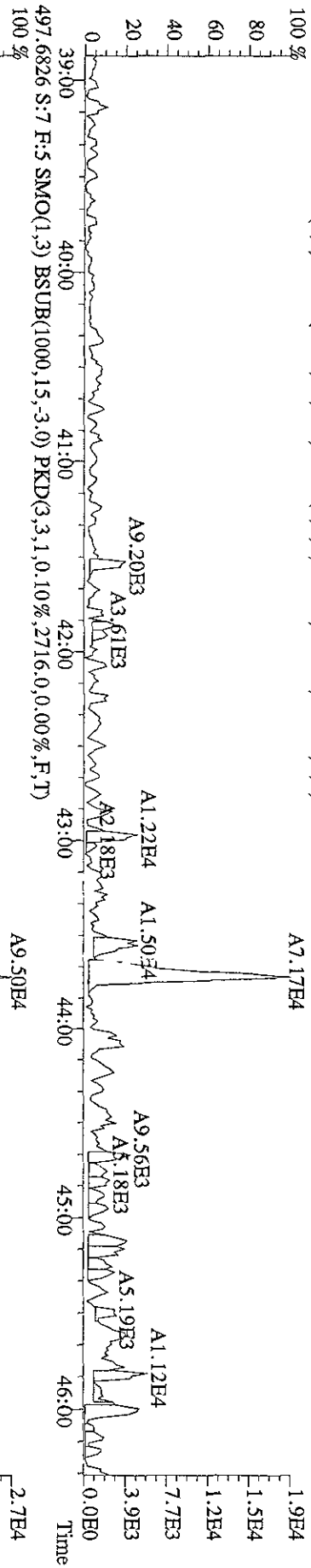
32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00

File: 22AP099D5 #1-387 Acq: 22-APR-2009 17:55:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text: K9LD2-1-AC : G9D03038-1(5X) Exp: 209DB5  
 395.7995 S: 7 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1780.0,0.00%,F,T)  
 100%





File:22AP099D5 #1-497 Acq:22-APR-2009 17:55:36 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#7 Text:K9LD2-1-AC :G9D030338-1(5X) Exp:209DB5  
 495.6856 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2060,0,0,00%,F,T)



Run text: K9LD3-1-AC      Sample text: K9LD3-1-AC :G9D030338-2(5X)  
 Run #11 Filename: 22AP099D5    S: 8    I: 1    Results: 22ap099d51668msldec7  
 Acquired: 22-APR-09    18:46:55      Processed: 30-APR-09    11:16:46  
 Run: 22AP099D5      Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.23 g

*RL = 10*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	32357100	0.67 y	24:48	-	1.29	-	-	n
13C-TCB-81	8882310	0.78 y	26:22	0.95	56.65	0.25	29.0	n
TCB-81	80050	0.39 n	26:23	1.28	1.38	1.22	-	n
13C-TCB-77	8992610	0.75 y	26:56	0.98	55.31	0.24	28.3	n
TCB-77	744451	0.62 n	26:56	1.10	14.67 <i>NDC</i>	1.48	-	n
13C-PeCB-123	7175140	0.68 y	28:17	0.87	49.75	0.06	25.4	n
PeCB-123	471615	0.55 y	28:19	1.51	8.52 <i>&lt; 10</i>	1.34	-	y
13C-PeCB-118	8669630	0.66 y	28:26	0.98	53.21	0.05	27.2	n
PeCB-118/106	6773620	0.60 y	28:27	1.53	99.96 <i>&gt; 10x</i>	1.06	-	y
13C-PeCB-114	7675960	0.61 y	29:04	0.97	47.99	0.05	24.5	n
PeCB-114	119659	0.40 n	29:06	1.59	1.92 <i>&lt; RL</i>	1.22	-	n
13C-PeCB-105	6857640	0.70 y	29:57	0.90	46.18	0.06	23.6	n
PeCB-105/127	3175670	0.58 y	29:58	1.42	63.66 <i>✓</i>	1.54	-	n
13C-PeCB-126	7572570	0.63 y	31:51	0.91	50.20	0.06	25.7	n
PeCB-126	262393	0.64 y	31:52	1.17	5.77 <i>&lt; RL</i>	1.71	-	n
13C-OcCB-202	29846600	0.81 y	34:08	-	1.13	-	-	n
13C-HxCB-167	7458540	1.32 y	32:58	0.84	58.05	0.34	29.7	n
HxCB-167	687828	1.18 y	32:58	1.17	15.42 <i>✓</i>	0.95	-	y
13C-HxCB-156	6209940	1.06 y	34:16	0.67	60.69	0.43	31.0	n
HxCB-156	1311889	1.35 y	34:17	1.45	28.44 <i>✓</i>	0.99	-	n
13C-HxCB-157	6342100	1.23 y	34:34	0.71	58.77	0.41	30.1	n
HxCB-157	314223	0.96 n	34:36	1.45	6.70 <i>&lt; 10</i>	0.91	-	n
13C-HxCB-169	8202740	1.20 y	36:25	0.73	73.25 <i>L</i>	0.39	37.5	n
HxCB-169	*	* n	Not Fnd	0.99	*	1.05	-	n
13C-HpCB-180	4933160	1.09 y	35:13	0.58	55.27	0.16	28.3	n
HpCB-180	14590270	1.12 y	35:14	1.27	457.01	1.33	-	n
13C-HpCB-170	3993740	1.12 y	36:52	0.47	55.14	0.20	28.2	n
HpCB-170/190	6993560	1.05 y	36:53	1.61	213.11	1.34	-	n
13C-HpCB-189	5692520	1.02 y	38:30	0.60	62.30	0.16	31.9	n
HpCB-189	317322	1.15 y	38:31	1.21	9.03 <i>&lt; RL</i>	1.23	-	n
13C-DeCB-209	1850018	0.71 y	43:42	0.46	26.33	0.14	13.5	n
DECB-209	465552	0.70 y	43:43	1.50	32.70	2.29	-	n
13C-PeCB-111	7572570	0.63 y	31:51	1.36	143.68	0.18	73.5	n

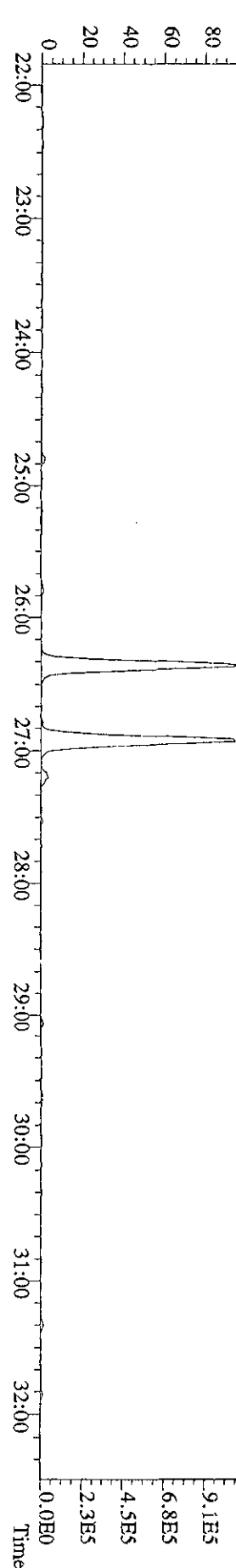
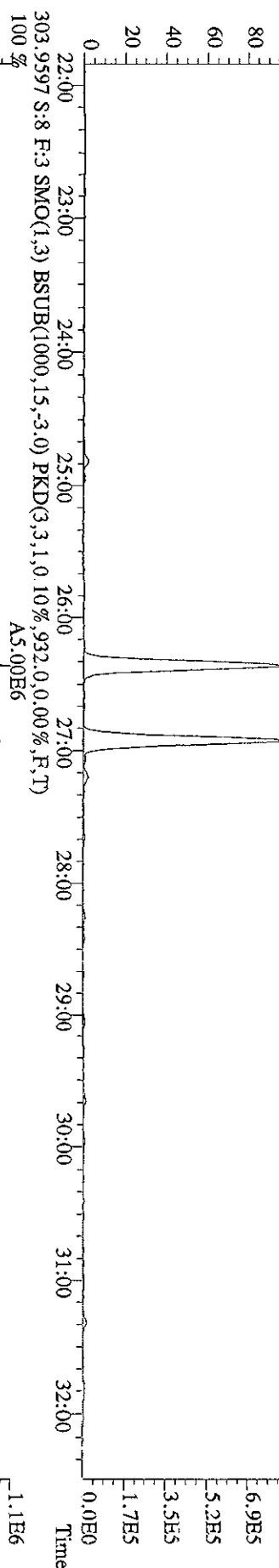
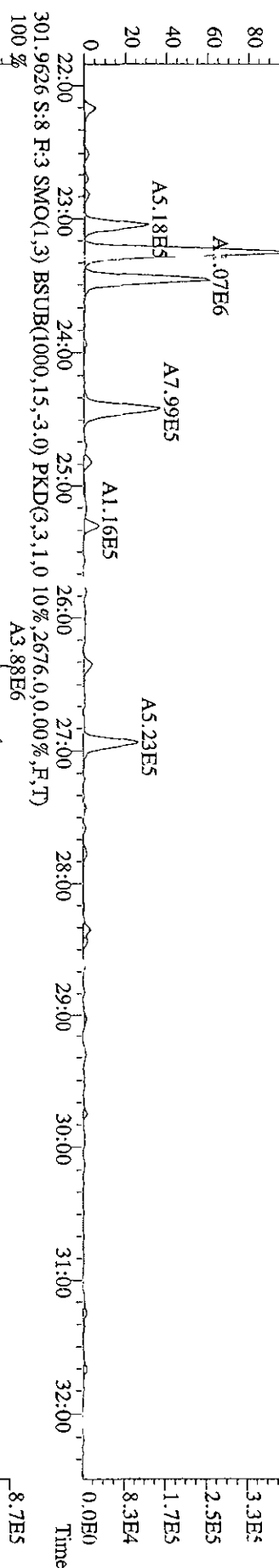
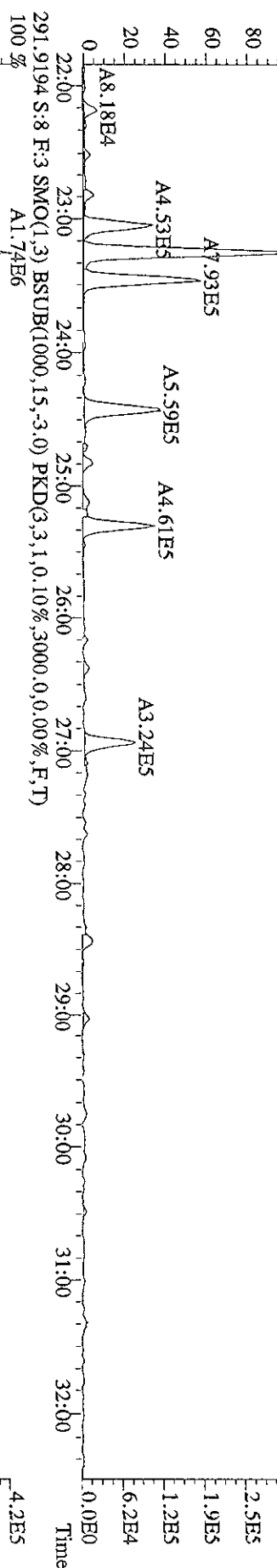
*Vg 5.6 . 09*

Run text: K9LD3-1-AC Sample text: K9LD3-1-AC :G9D030333-2(5X) ✓  
 Run #11 Filename: 22AP099D5 S: 8 I: 1 Results: 22AP099D51668MSLDECA  
 Acquired: 22-APR-09 18:46:55 Processed: 30-APR-09 11:16:46  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.23007g

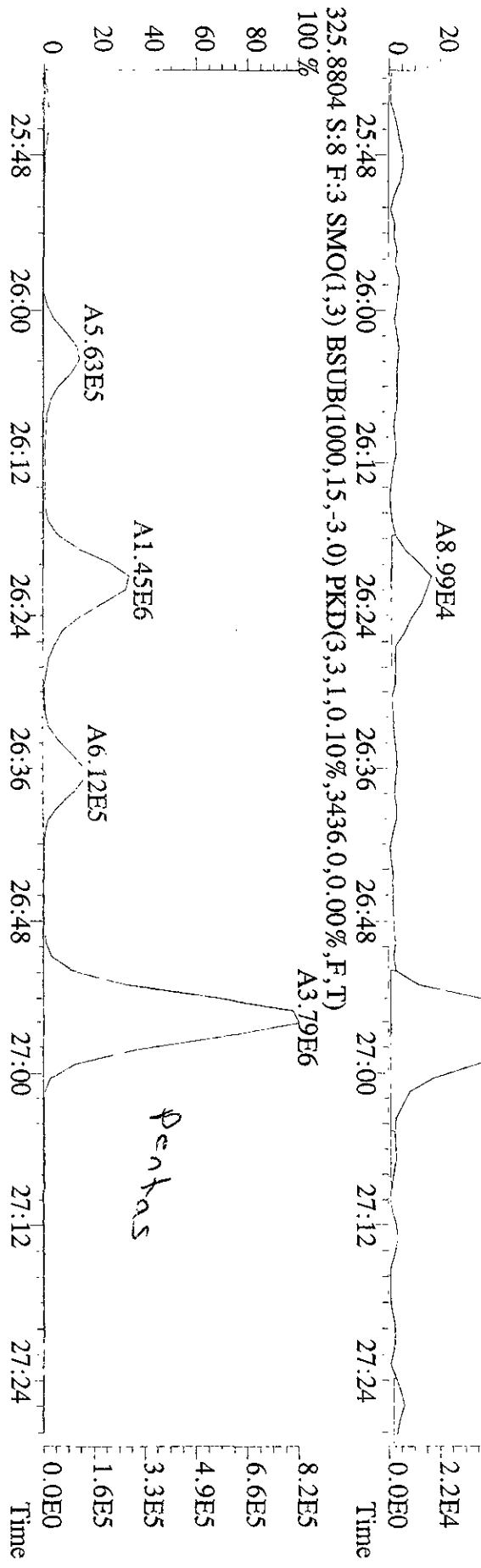
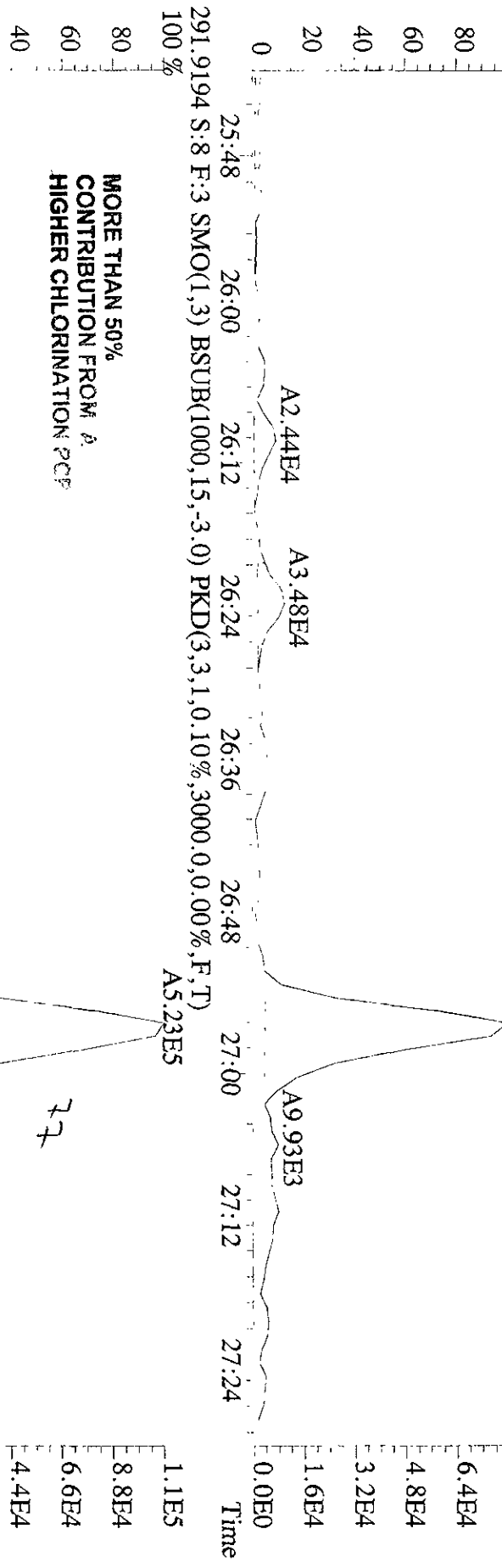
RL = 10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	32357100	0.67 y	24:48	-	1.29	-	-	n
13C-TCB-81	8882310	0.78 y	26:22	0.95	56.65	0.25	29.0	n
TCB-81	80050	0.39 n	26:23	1.28	1.38	1.22	-	n
13C-TCB-77	8992610	0.75 y	26:56	0.98	55.31	0.24	28.3	n
TCB-77	744451	0.62 n	26:56	1.10	14.67 <i>NDG</i>	1.48	-	n
13C-PeCB-123	7175140	0.68 y	28:17	0.87	49.75	0.06	25.4	n
PeCB-123	*	* n	NotFnd	1.51	*	1.34	-	n
13C-PeCB-118	8669630	0.66 y	28:26	0.98	53.21	0.05	27.2	n
PeCB-118/106	7044780	0.56 y	28:27	1.53	103.97 ✓	1.06	-	n
13C-PeCB-114	7675960	0.61 y	29:04	0.97	47.99	0.05	24.5	n
PeCB-114	119659	0.40 n	29:06	1.59	1.92 < RL	1.22	-	n
13C-PeCB-105	6857640	0.70 y	29:57	0.90	46.18	0.06	23.6	n
PeCB-105/127	3175670	0.58 y	29:58	1.42	63.66 ✓	1.54	-	n
13C-PeCB-126	7572570	0.63 y	31:51	0.91	50.20	0.06	25.7	n
PeCB-126	262393	0.64 y	31:52	1.17	5.77 < RL	1.71	-	n
13C-OcCB-202	29846600	0.81 y	34:08	-	1.13	-	-	n
13C-HxCB-167	7458540	1.32 y	32:58	0.84	58.05	0.34	29.7	n
HxCB-167	2243910	1.21 y	32:54	1.17	50.32 ✓	0.95	-	n
13C-HxCB-156	6209940	1.06 y	34:16	0.67	60.69	0.43	31.0	n
HxCB-156	1311889	1.35 y	34:17	1.45	28.44 ✓	0.99	-	n
13C-HxCB-157	6342100	1.23 y	34:34	0.71	58.77	0.41	30.1	n
HxCB-157	314223	0.96 n	34:36	1.45	6.70 < RL	0.91	-	n
13C-HxCB-169	8202740	1.20 y	36:27	0.73	73.25	0.39	27.5	n
HxCB-169	*	* n	NotFnd	0.99	*	1.05	-	n
13C-HpCB-180	4933160	1.09 y	35:13	0.58	55.27	0.16	28.3	n
HpCB-180	14590270	1.12 y	35:14	1.27	457.01	1.33	-	n
13C-HpCB-170	3993740	1.12 y	36:52	0.47	55.14	0.20	28.2	n
HpCB-170/190	6993560	1.05 y	36:53	1.61	213.11	1.34	-	n
13C-HpCB-189	5692520	1.02 y	38:30	0.60	62.30	0.16	31.9	n
HpCB-189	317322	1.15 y	38:31	1.21	9.03 < RL	1.23	-	n
13C-DeCB-209	1850018	0.71 y	43:42	0.46	26.33	0.14	13.5	n
DECB-209	465552	0.70 y	43:43	1.50	32.70	2.29	-	n
13C-PeCB-111	7572570	0.63 y	31:51	1.36	143.68	0.18	73.5	n

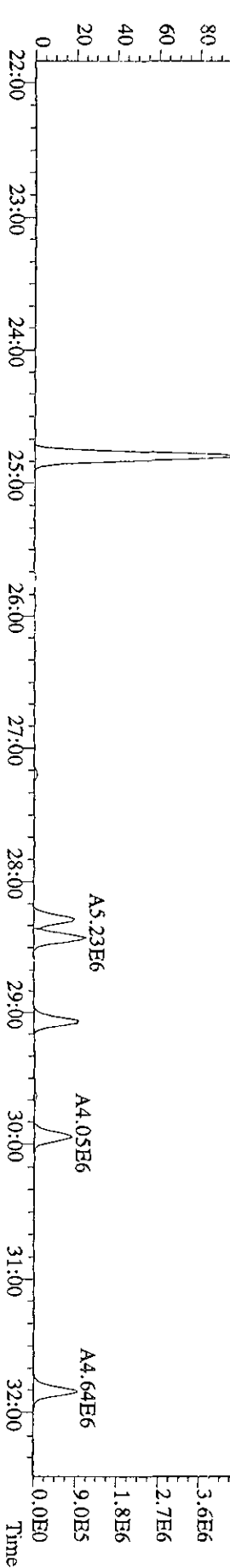
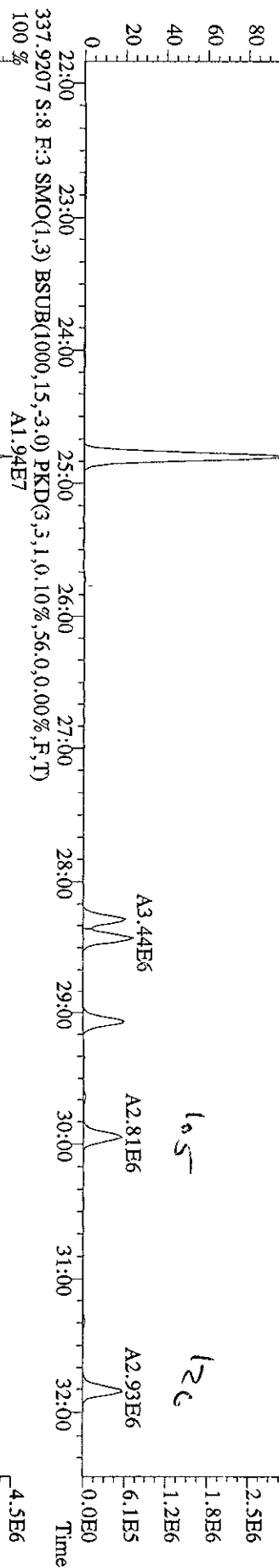
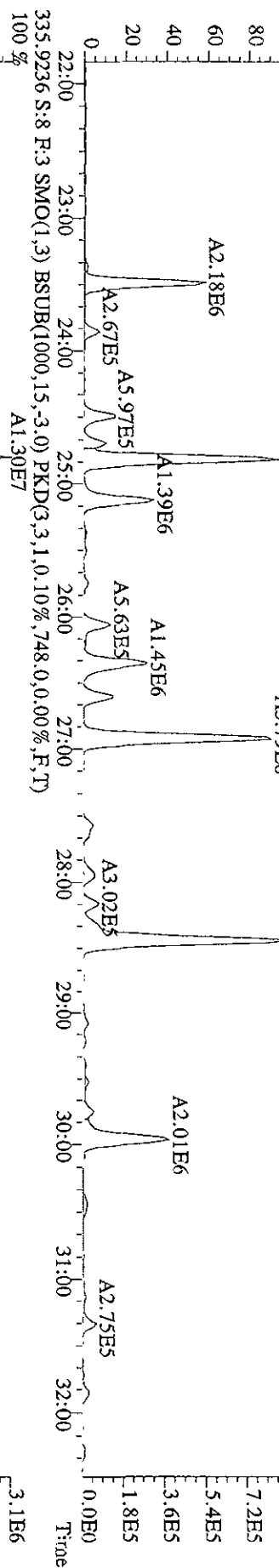
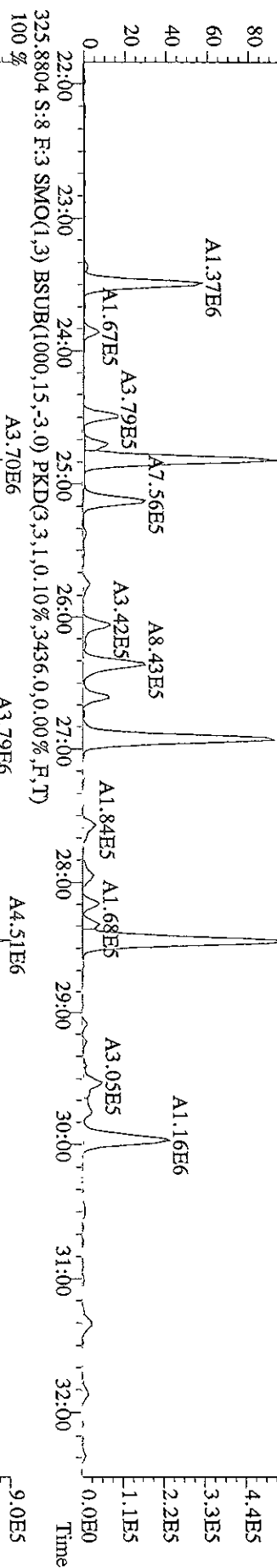
File: 22AP099D5 #1-600 Acq: 22-APR-2009 18:46:55 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#8 Text: K9LD3-1-AC : G9D030338-2(5X) Exp: 209DB5  
 289.9224 S: 8 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0 10%,3380,0,0,00%,F,T)  
 100% A1.31E6



File: 22AP099D5 #1-600 Acq: 22-APR-2009 18:46:55 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#8 Text: K9LD3-1-AC : G9D030338-2 (Exp: 209DB5)  
 289.9224 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3380,0,0.00%,F,T)

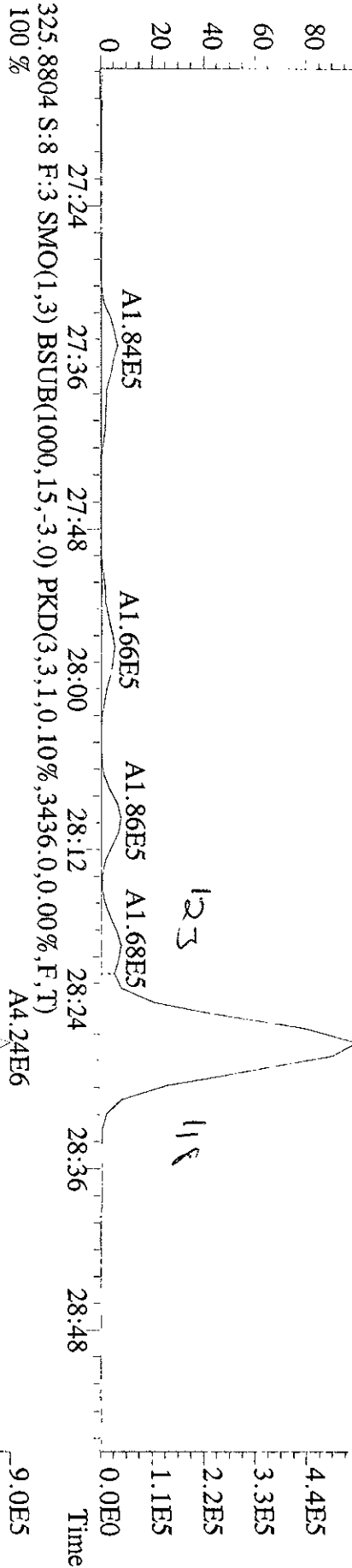


File: 22AP099D5 #1-600 Acq: 22-APR-2009 18:46:55 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#8 Text: K9LD3-1-AC : G9D030338-2(5X) Exp: 2:09DB5  
 323.8804 S: 8 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2804,0,0,00%,F,T)  
 100 %

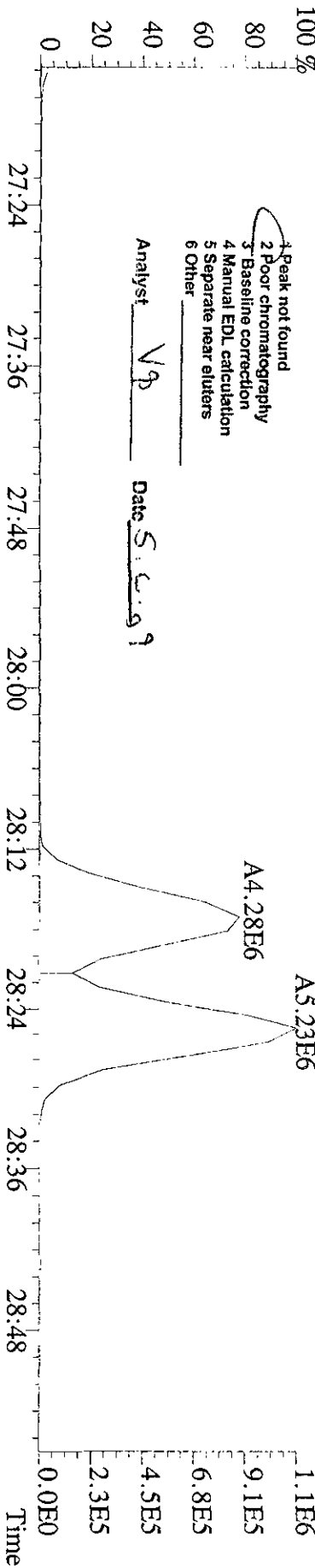


Sample#8 Text: K9LD3-1-AC : G9D030338-2 ( Exp: 209DB5

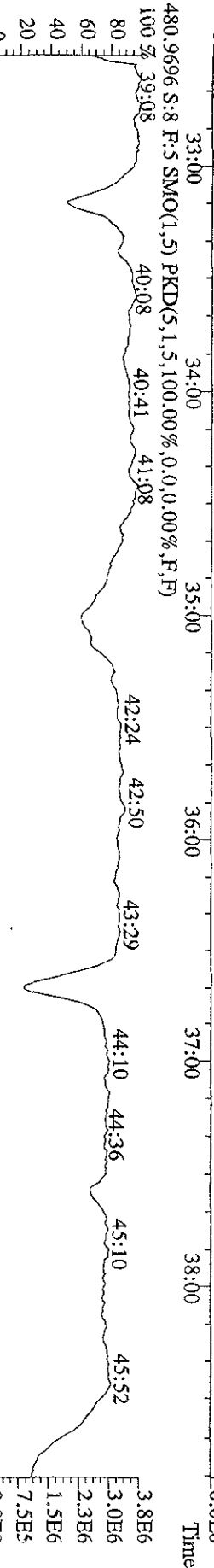
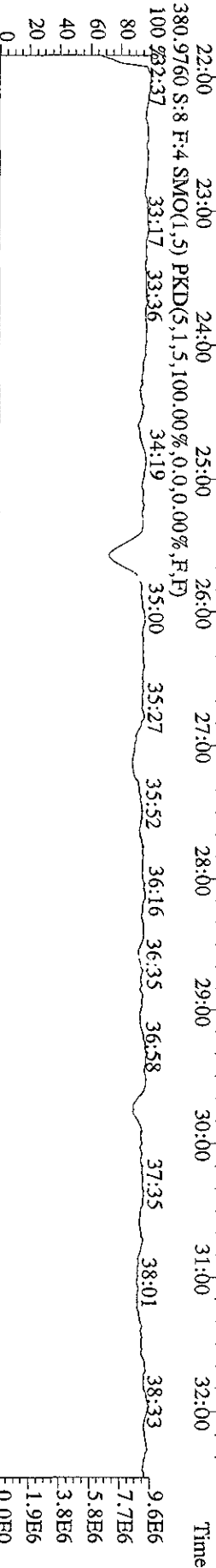
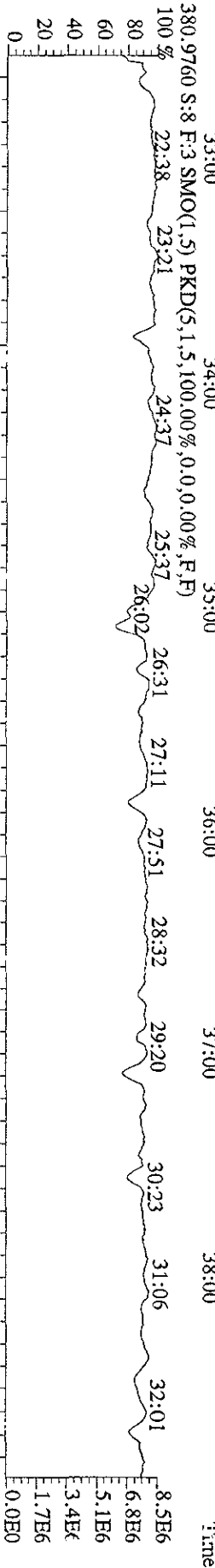
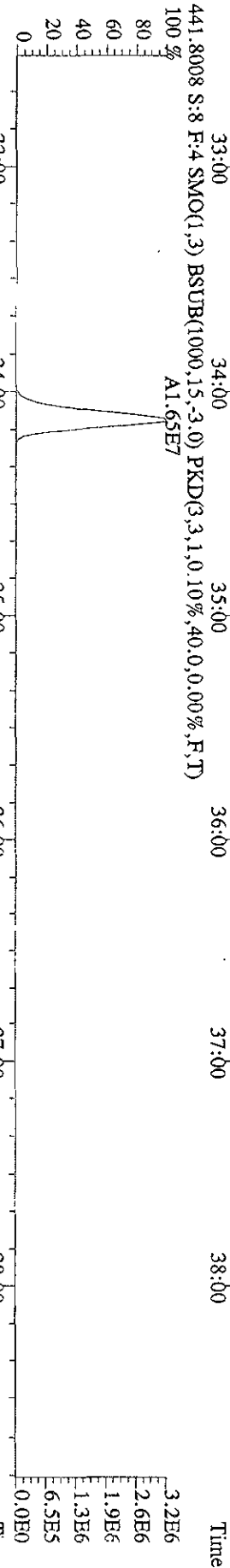
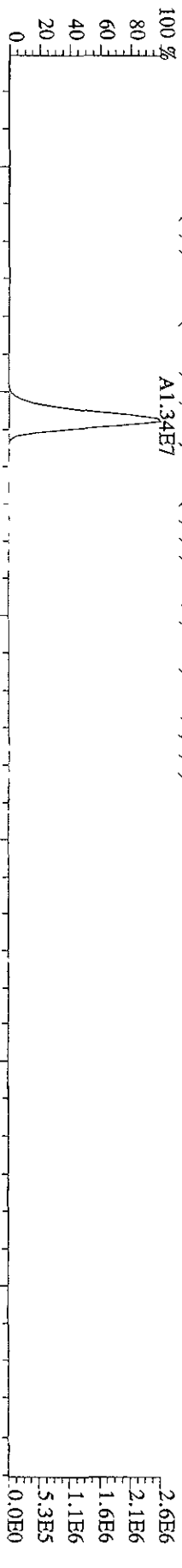
323.8834 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2804,0.0,0.00%,F,T)



337.9207 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,56,0.0,0.00%,F,T)

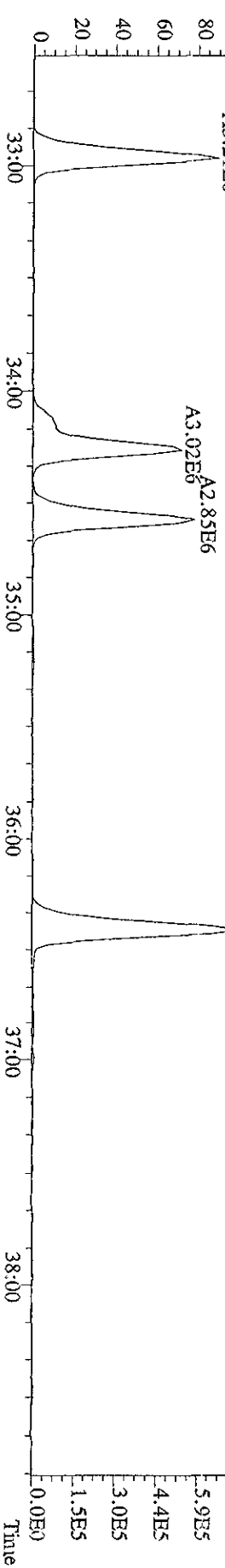
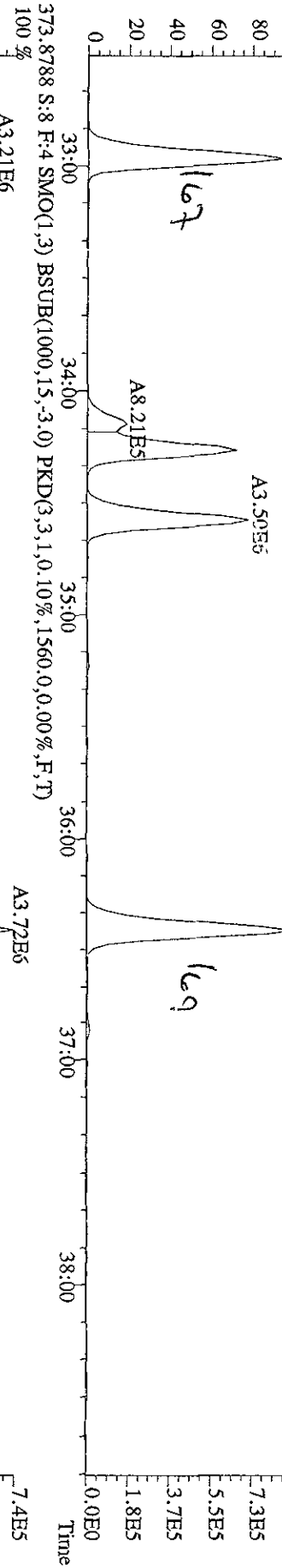
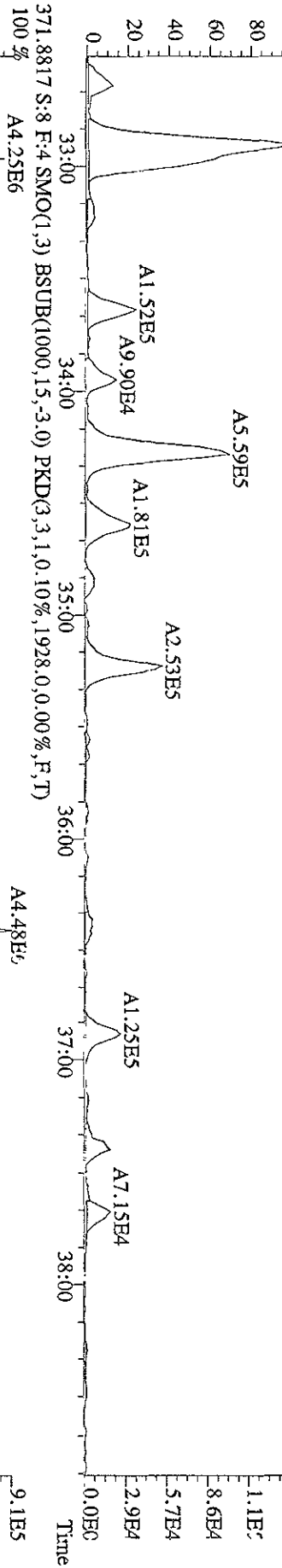
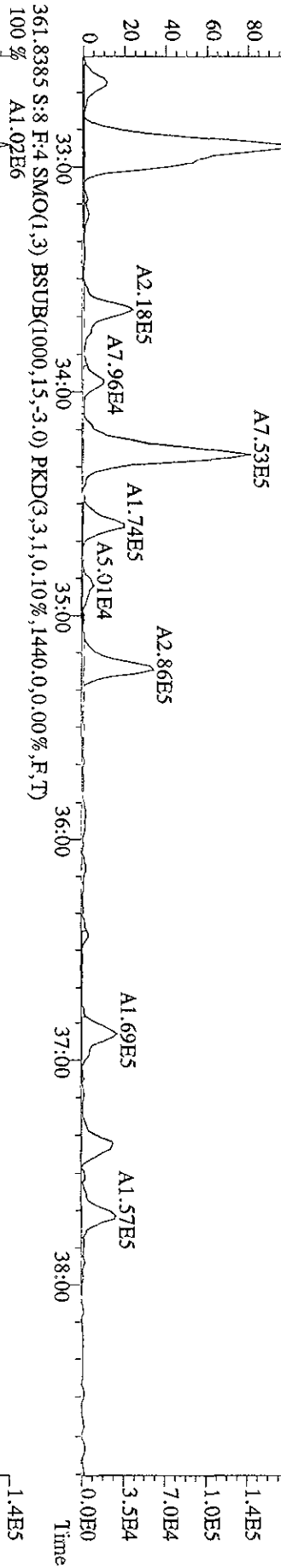


Analyst V9 Date 5.6.99

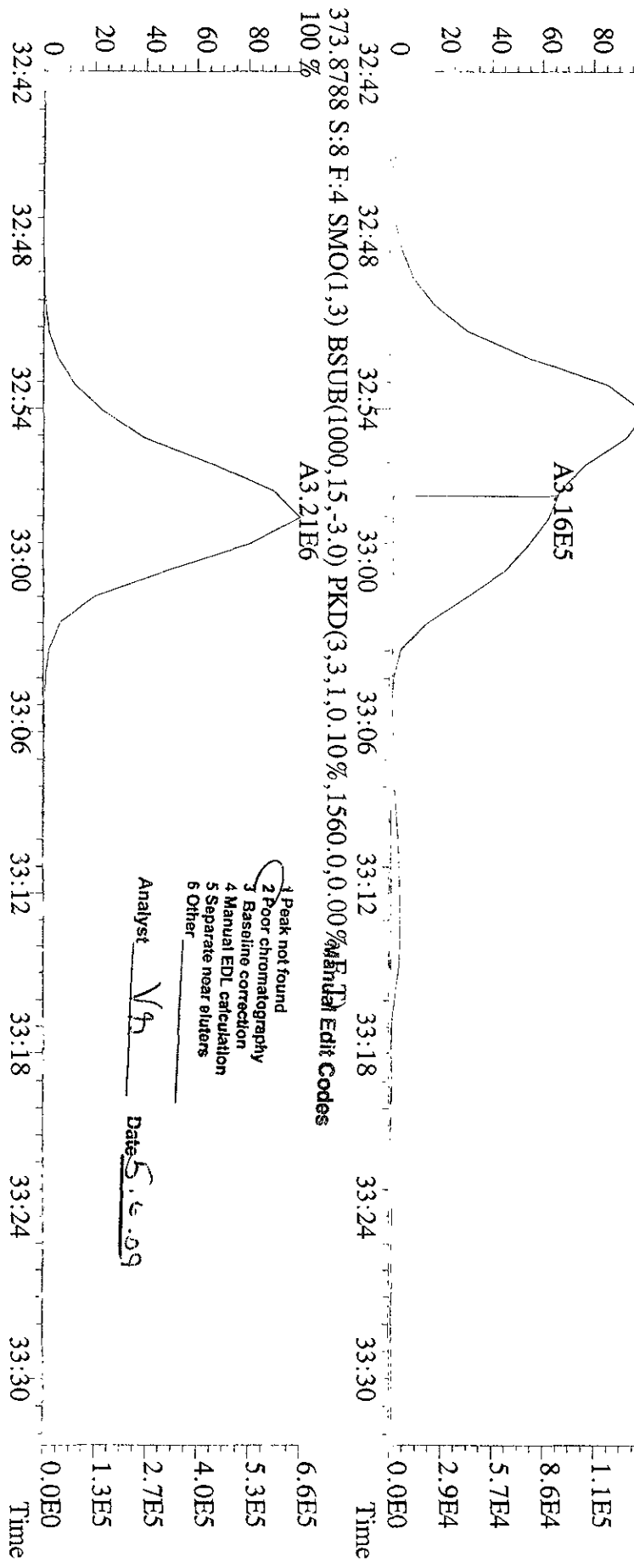
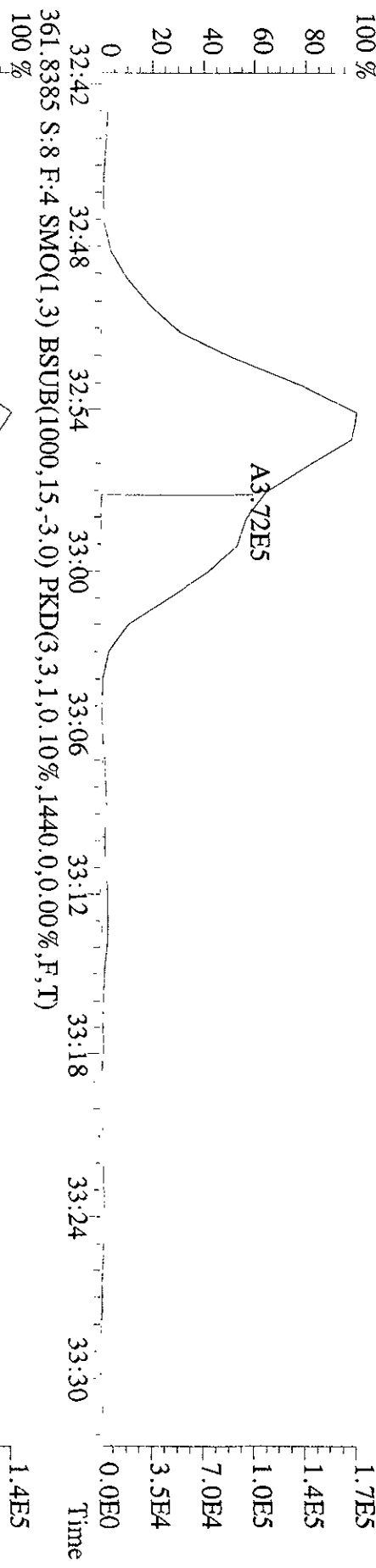




File:22AIP099D5 #1-387 Acq:22-APR-2009 18:46:55 GC E1+ Voltage SIR Autospec-UltimaE  
 Sample#8 Text:K9LD3-1-AC :G9D030338-2(5X) Exp:209DB5  
 359.8415 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2064,0,0,00%,F,T)  
 100% A1.23E6



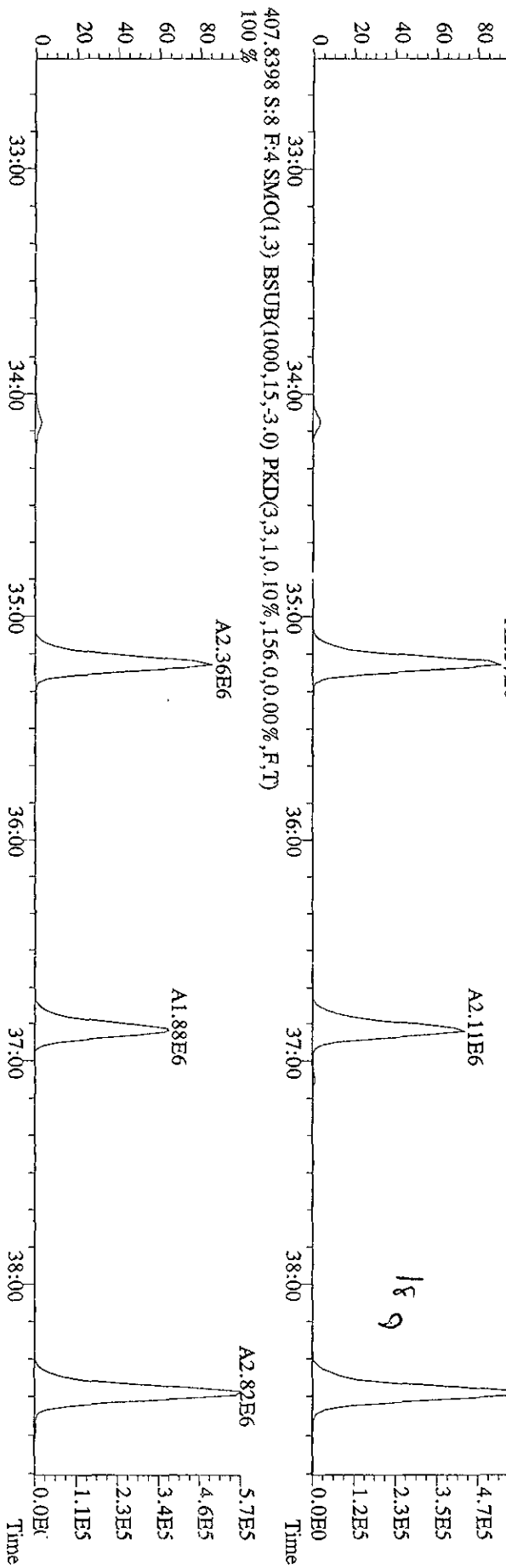
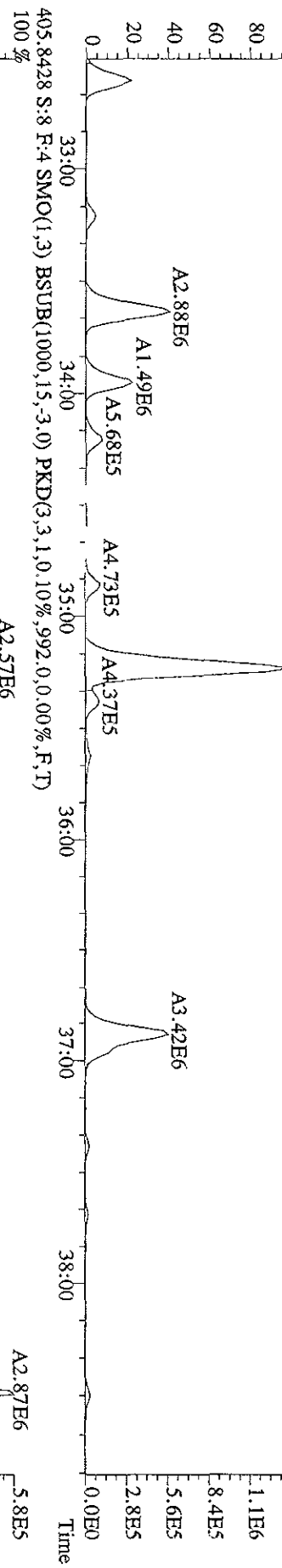
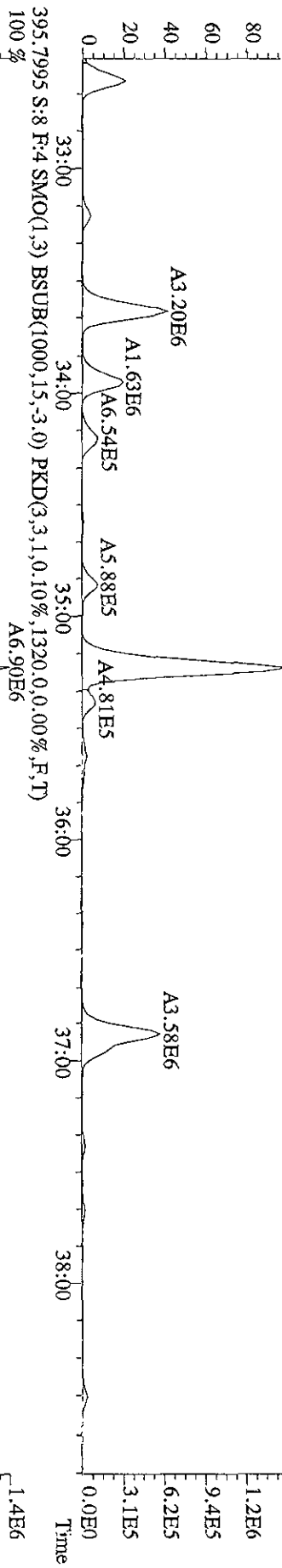
File: 22AP099D5 #1-387 Acq: 22-APR-2009 18:46:55 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#8 Text: K9LD3-1-AC : G9D030338-2 (Exp: 209DB5  
 359.8415 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2064.0,0.00%,F,T)  
 100%



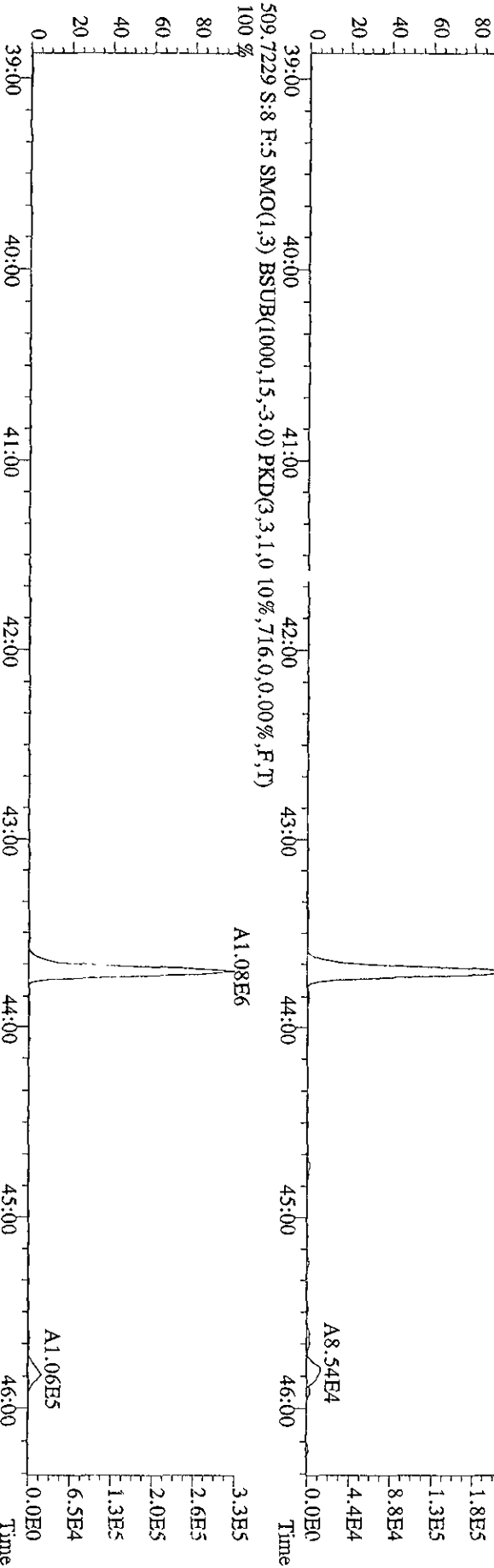
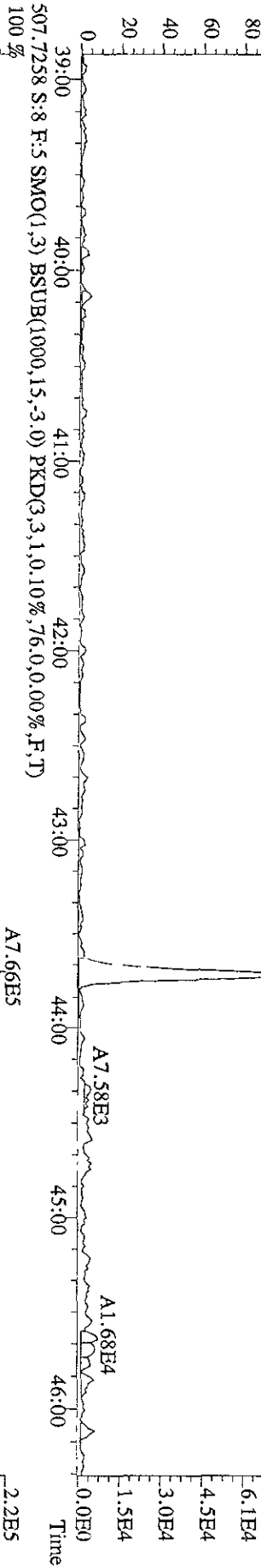
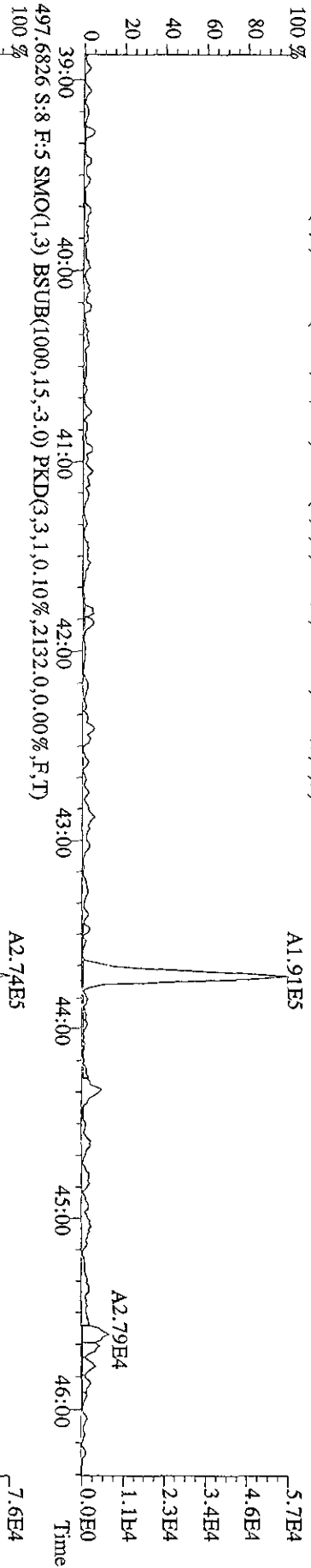
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VH Date 5.6.09

File:22AP099D5 #1-387 Acq:22-APR-2009 18:46:55 GC-MS Voltage SIR Autospec-UltimaE  
 Sample#8 Text:K9LD3-1-AC :G9D030338-2(5X) Exp:2,9DDB5  
 395.7995 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1320,0,0,0.00%,F,T)  
 407.8398 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,156,0,0,0.00%,F,T)  
 405.8428 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,992,0,0,0.00%,F,T)



File:22AP099D5 #1-497 Acq:22-APR-2009 18:46:55 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#8 Text:K9LD3-1-AC :G9D030338-2(5X) Exp:2J9DB5  
 495.6856 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1688,0,0,00%,F,T)



Run text: K9LD4-1-AC Sample text: K9LD4-1-AC :G9D030338-3(5X)  
 Run #12 Filename: 22AP099D5 S: 9 I: 1 Results: 22ap099d51668msldec7  
 Acquired: 22-APR-09 19:38:15 Processed: 30-APR-09 11:16:48  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.08 g

*RL = 10*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	33398900	0.65 y	24:48	-	1.36	-	-	n
13C-TCB-81	34051700	0.81 y	26:22	0.95	213.55	0.39	107.6	n
TCB-81	71659	0.43 n	26:23	1.28	0.33	0.28	-	n
13C-TCB-77	34793900	0.79 y	26:56	0.98	210.40	0.37	106.0	n
TCB-77	543496	0.68 y	26:57	1.10	2.81	0.32	-	n
13C-PeCB-123	28811100	0.66 y	28:18	0.87	196.40	0.13	99.0	n
PeCB-123	321073	0.70 n	28:22	1.51	1.47	0.35	-	y
13C-PeCB-118	29094100	0.65 y	28:26	0.98	175.55	0.12	88.5	n
PeCB-118/106	4183480	0.62 y	28:28	1.53	18.67	0.34	-	y
13C-PeCB-114	29848400	0.63 y	29:05	0.97	183.50	0.12	92.5	n
PeCB-114	44382	0.28 n	29:04	1.59	<del>0.19</del>	0.33	-	n
13C-PeCB-105	27792400	0.64 y	29:58	0.90	184.02	0.13	92.7	n
PeCB-105/127	2315713	0.56 y	29:59	1.42	11.62	0.41	-	n
13C-PeCB-126	31063000	0.63 y	31:52	0.91	202.45	0.13	102.0	n
PeCB-126	135200	0.41 n	31:53	1.17	0.74	0.45	-	n
13C-OcCB-202	30962100	0.82 y	34:09	-	1.19	-	-	n
13C-HxCB-167	39442300	1.29 y	32:59	0.84	300.34	0.68	151.4	n
HxCB-167	1512502	1.04 n	32:55	1.17	6.51	0.25	-	n
13C-HxCB-156	31169200	1.30 y	34:17	0.67	298.02	0.85	150.2	n
HxCB-156	689273	1.51 n	34:18	1.45	3.02	0.26	-	n
13C-HxCB-157	33358400	1.28 y	34:36	0.71	302.43	0.81	152.4	n
HxCB-157	238065	1.54 n	34:37	1.45	0.98	0.24	-	n
13C-HxCB-169	35918700	1.28 y	36:26	0.73	313.81	0.78	158.2	n
HxCB-169	*	* n	NotFnd	0.99	*	0.31	-	n
13C-HpCB-180	25555800	1.11 y	35:14	0.58	<del>280.13</del>	0.28	141.2	n
HpCB-180	6008390	1.09 y	35:15	1.27	<del>36.87</del>	0.24	-	n
13C-HpCB-170	20859100	1.07 y	36:53	0.47	281.76	0.35	142.0	n
HpCB-170/190	2593950	1.11 y	36:54	1.61	15.36	0.22	-	n
13C-HpCB-189	28796200	1.06 y	38:31	0.60	308.31	0.27	155.4	n
HpCB-189	116694	1.23 n	38:32	1.21	0.67	0.22	-	n
13C-DeCB-209	9924790	0.72 y	43:45	0.46	138.21	0.01	69.7	n
DECB-209	4089950	0.70 y	43:45	1.50	54.34	0.13	-	n
13C-PeCB-111	31063000	0.63 y	31:52	1.36	157.27	0.11	79.3	n

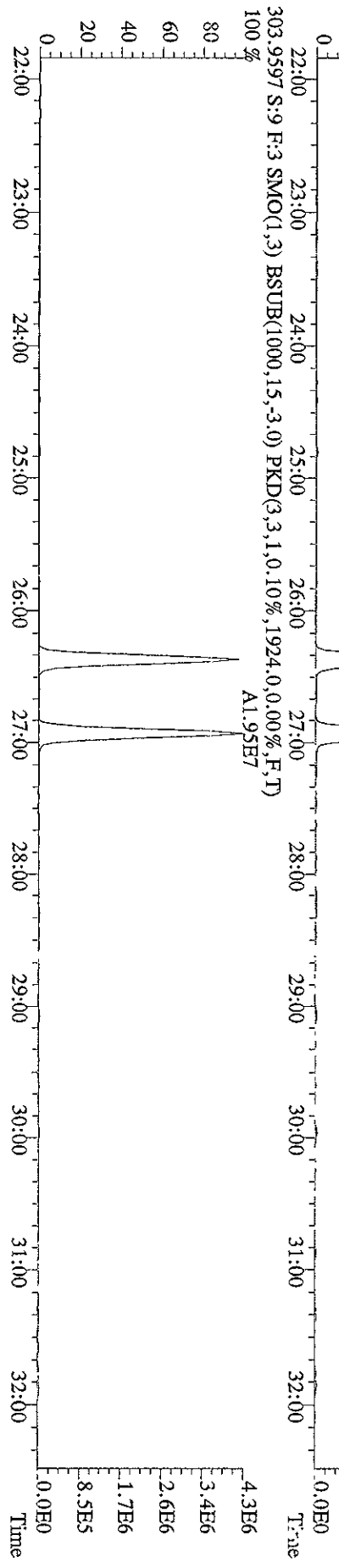
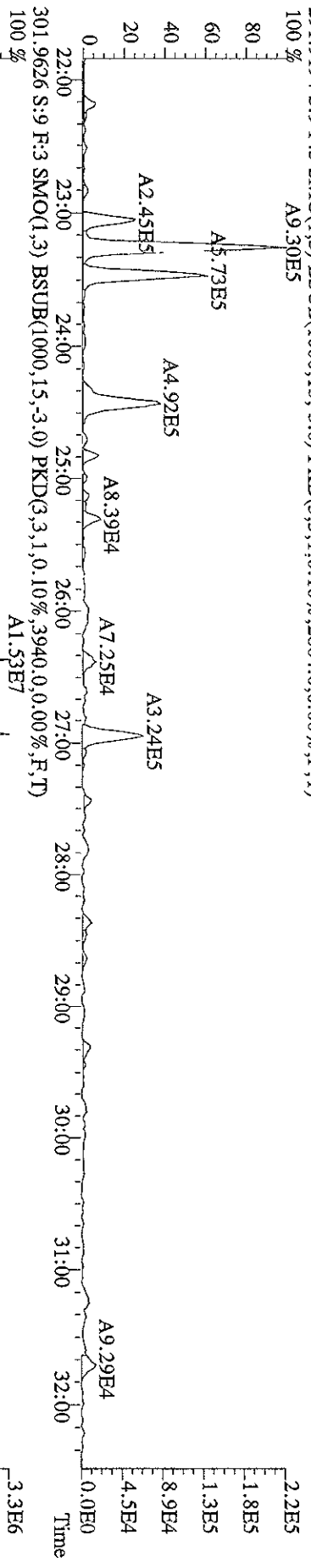
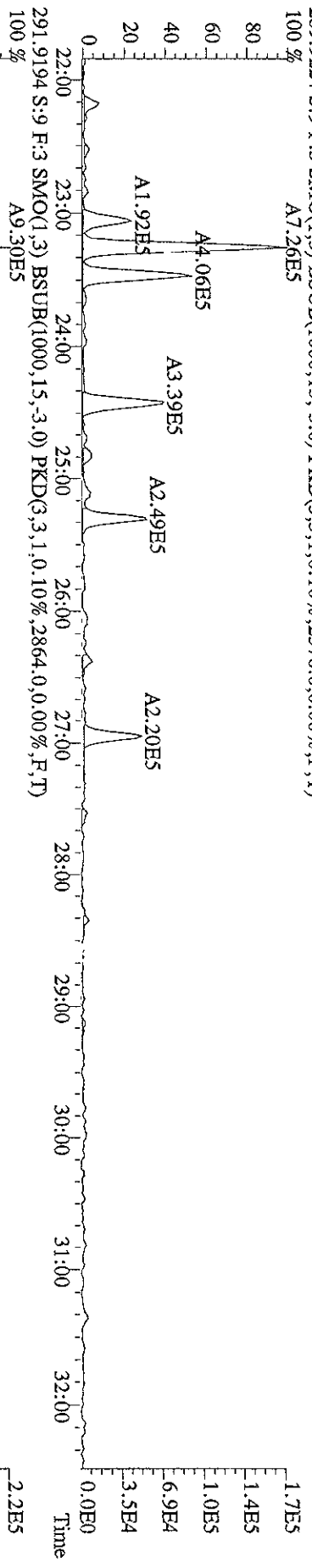
*VP 5.4.09*

Run text: K9LD4-1-AC Sample text: K9LD4-1-AC :G9D030338-3(5X) ✓  
 Run #12 Filename: 22AP099D5 S: 9 I: 1 Results: 22AP099D51668MSLDECA  
 Acquired: 22-APR-09 19:38:15 Processed: 30-APR-09 11:16:48  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.0800µg

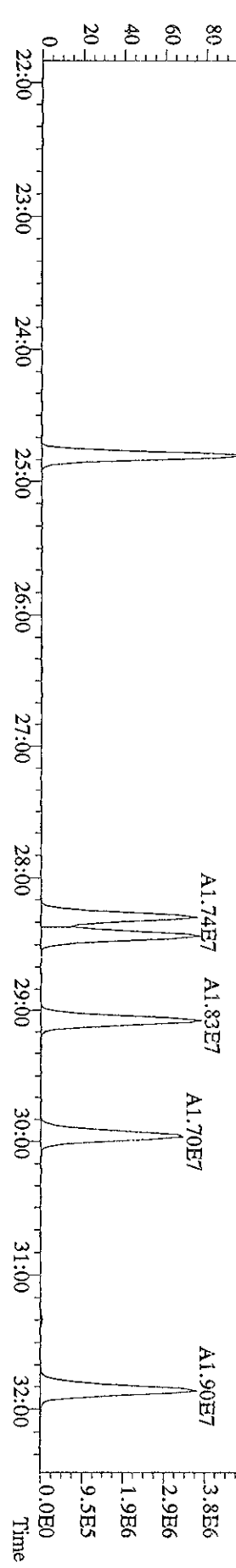
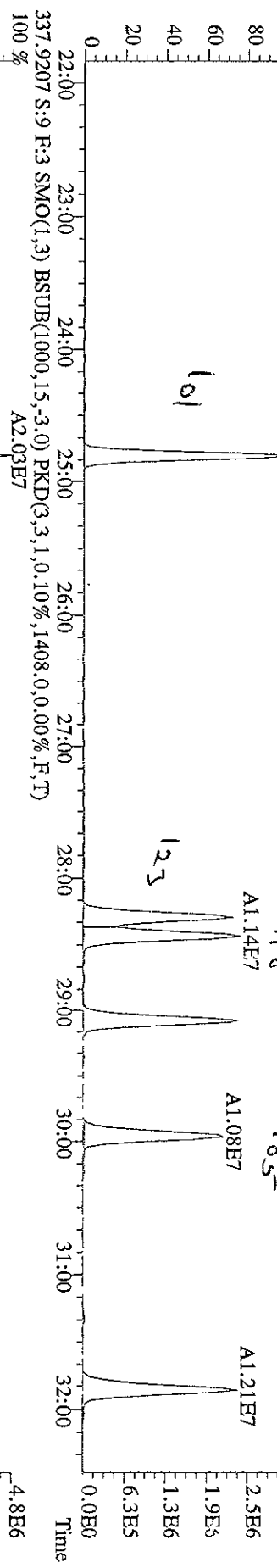
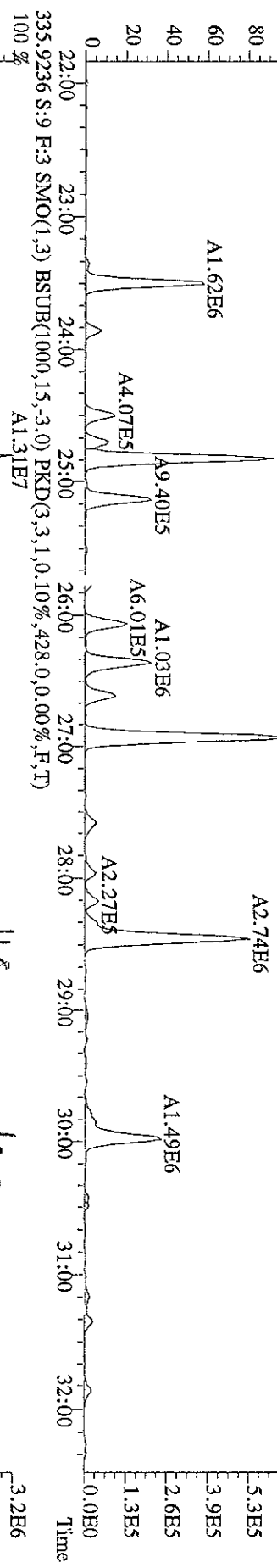
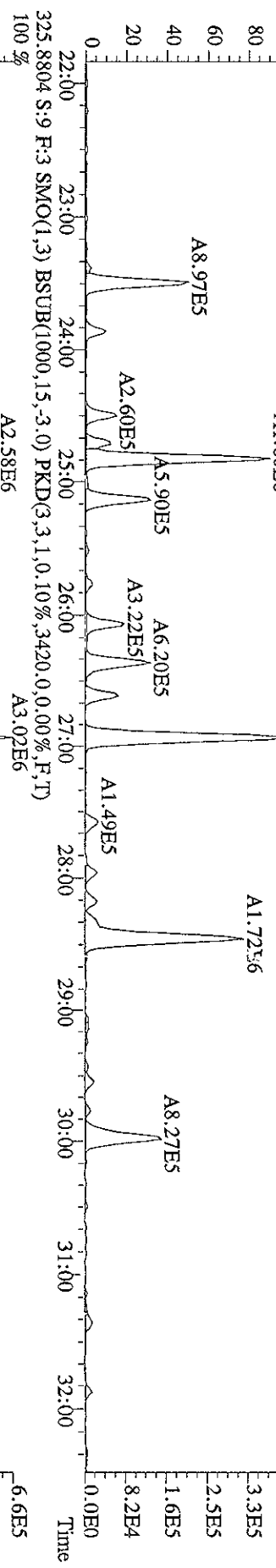
RL = 10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	33398900	0.65 y	24:48	-	1.36	-	-	n
13C-TCB-81	34051700	0.81 y	26:22	0.95	213.55	0.39	107.6	n
TCB-81	71659	0.43 n	26:23	1.28	0.33 <RL	0.28	-	n
13C-TCB-77	34793900	0.79 y	26:56	0.98	210.40	0.37	106.0	n
TCB-77	543496	0.68 y	26:57	1.10	2.81 L	0.32	-	n
13C-PeCB-123	33398900	0.65 y	24:48	0.87	227.68	0.13	114.7	n
PeCB-123	*	* n	NotFnd	1.51	* <RL	0.26	-	n
13C-PeCB-118	29094100	0.65 y	28:26	0.98	175.55	0.12	88.5	n
PeCB-118/106	4459760	0.63 y	28:28	1.53	19.90 ✓	0.34	-	n
13C-PeCB-114	29848400	0.63 y	29:05	0.97	183.50	0.12	92.5	n
PeCB-114	44382	0.28 n	29:04	1.59	0.29	0.33	-	n
13C-PeCB-105	27792400	0.64 y	29:58	0.90	184.02	0.13	92.7	n
PeCB-105/127	2315713	0.56 y	29:59	1.42	11.62 ✓	0.41	-	n
13C-PeCB-126	31063000	0.63 y	31:52	0.91	202.45	0.13	102.0	n
PeCB-126	135200	0.41 n	31:53	1.17	0.74 <RL	0.45	-	n
13C-OcCB-202	30962100	0.82 y	34:09	-	1.19	-	-	n
13C-HxCB-167	39442300	1.29 y	32:59	0.84	300.34	0.68	151.4	n
HxCB-167	1512502	1.04 n	32:55	1.17	6.51 <RL	0.25	-	n
13C-HxCB-156	31169200	1.30 y	34:17	0.67	298.02	0.85	150.2	n
HxCB-156	689273	1.51 n	34:18	1.45	3.02	0.26	-	n
13C-HxCB-157	33358400	1.28 y	34:36	0.71	302.43	0.81	152.4	n
HxCB-157	238065	1.54 n	34:37	1.45	0.98	0.24	-	n
13C-HxCB-169	35918700	1.28 y	36:26	0.73	313.01	0.78	158.2	n
HxCB-169	*	* n	NotFnd	0.99	*	0.31	-	n
13C-HpCB-180	25555800	1.11 y	35:14	0.58	280.13	0.28	141.2	n
HpCB-180	6008390	1.09 y	35:15	1.27	36.87	0.24	-	n
13C-HpCB-170	20859100	1.07 y	36:53	0.47	281.76	0.35	142.0	n
HpCB-170/190	2593950	1.11 y	36:54	1.61	15.36	0.22	-	n
13C-HpCB-189	28796200	1.06 y	38:31	0.60	308.31	0.27	155.4	n
HpCB-189	116694	1.23 n	38:32	1.21	0.67 <RL	0.22	-	n
13C-DeCB-209	9924790	0.72 y	43:45	0.46	138.21	0.01	69.7	n
DeCB-209	4089950	0.70 y	43:45	1.50	54.34	0.13	-	n
13C-PeCB-111	31063000	0.63 y	31:52	1.36	151.26	0.11	76.2	n

File: 22AP099D5 #1-600 Acq: 22-APR-2009 19:38:15 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#9 Text: K9ILD4-1-AC : G9D030338-3(5X) Exp: 209DB5  
 289.9224 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2576.0,0.00%,F,T)  
 100%

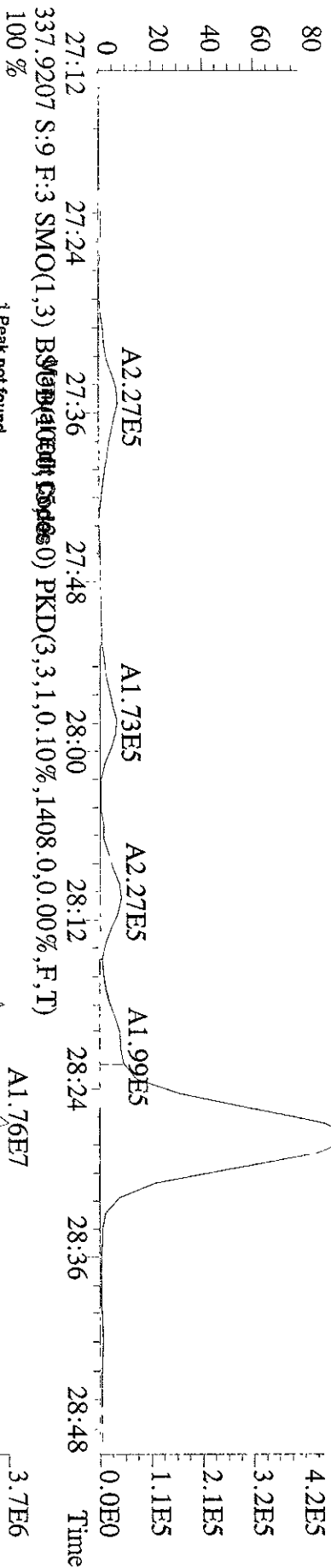
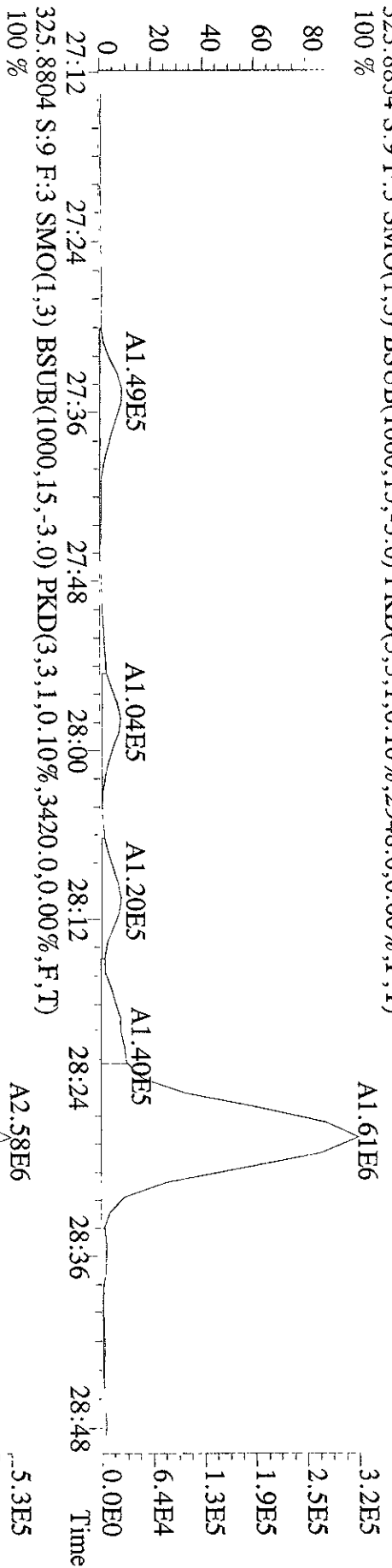


File:22AP099D5 #1-600 Acq:22-APR-2009 19:38:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#9 Text:K9LD4-1-AC :G9D030338-3(5X) Exp:209DB5  
 323.8834 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2948,0,0,00%,F,T)  
 100 %





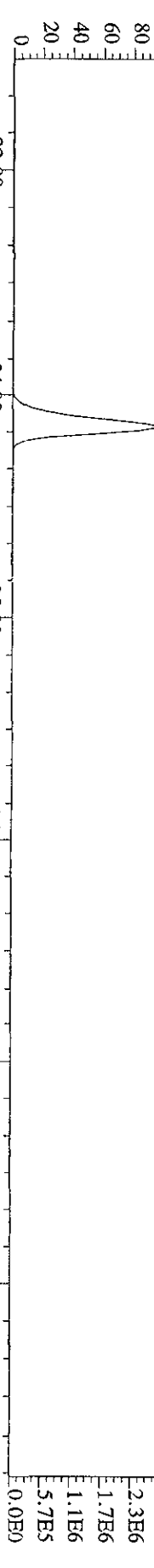
File:22AP099D5 #1-600 Acq:22-APR-2009 19:38:15 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#9 Text:K9LD4-1-AC :G9D030338-3( Exp:209DB5  
 323.8834 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2948.0,0.00%,F,T)  
 100 %



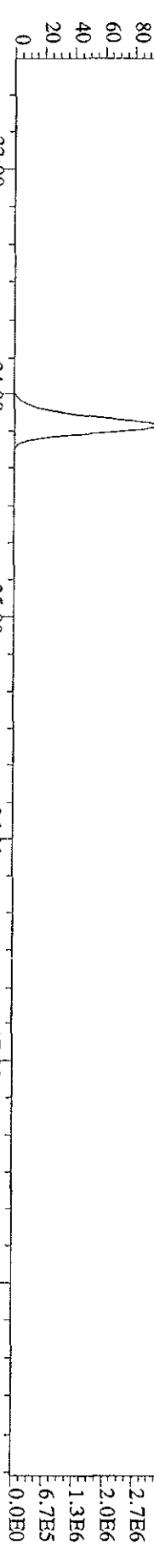
1 Peak not found  
 2 Poor chromatography  
 3 Baseline correction  
 4 Manual EDL calculation  
 5 Separate near eluters  
 6 Other

Analyst VP Date 5.6.09

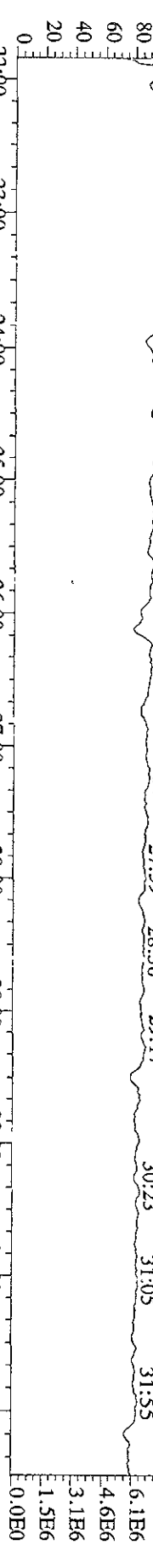
File:22AP099D5 #1-388 Acq:22-APR-2009 19:38:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#9 Text:K9LD4-1-AC :G9D03038-3(5X) Exp:209DB5  
 439.8038 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,24.0,0.00%,F,T)  
 100% A1.39E7



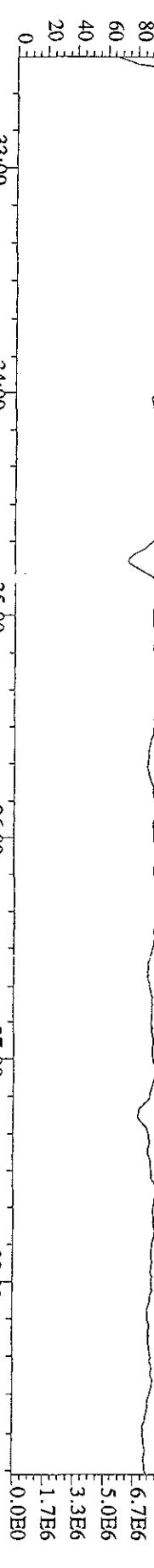
441.8008 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,40.0,0.00%,F,T)  
 100% A1.70E7



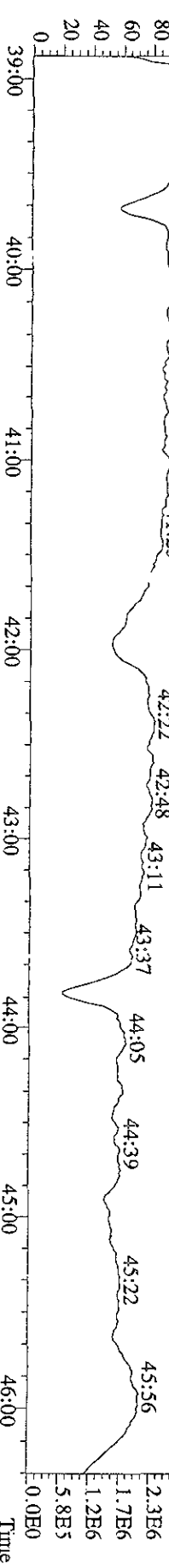
380.9760 S:9 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 22:13 23:22 24:11 24:47 25:38 26:24 27:14 27:59 28:36 29:17 30:23 31:05 31:55



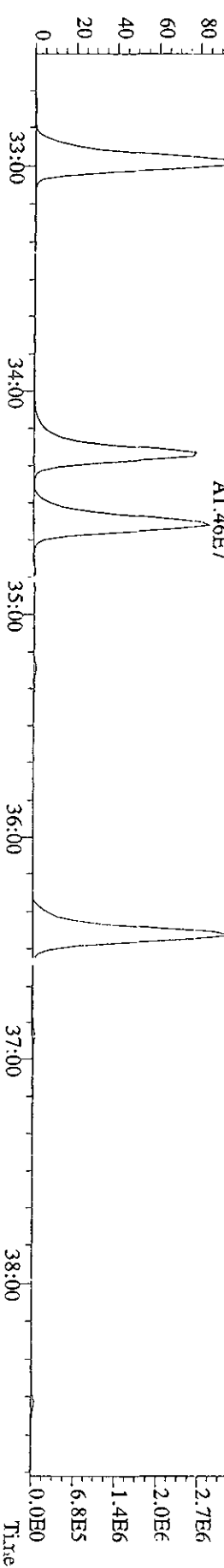
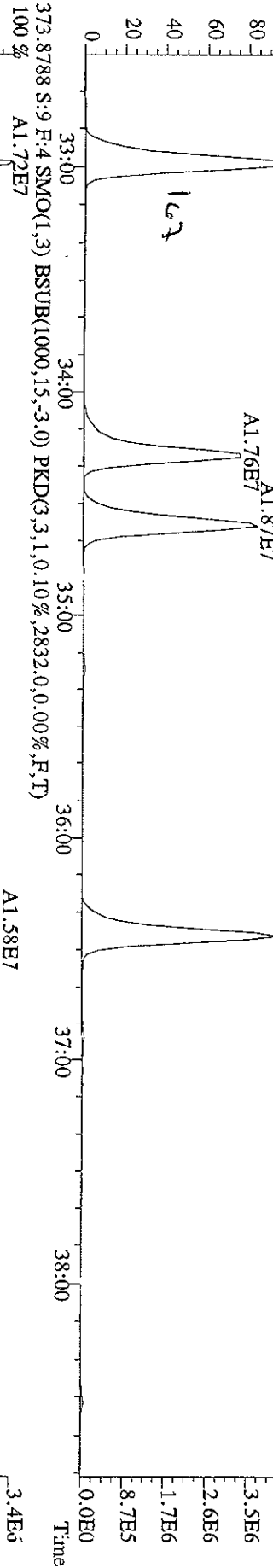
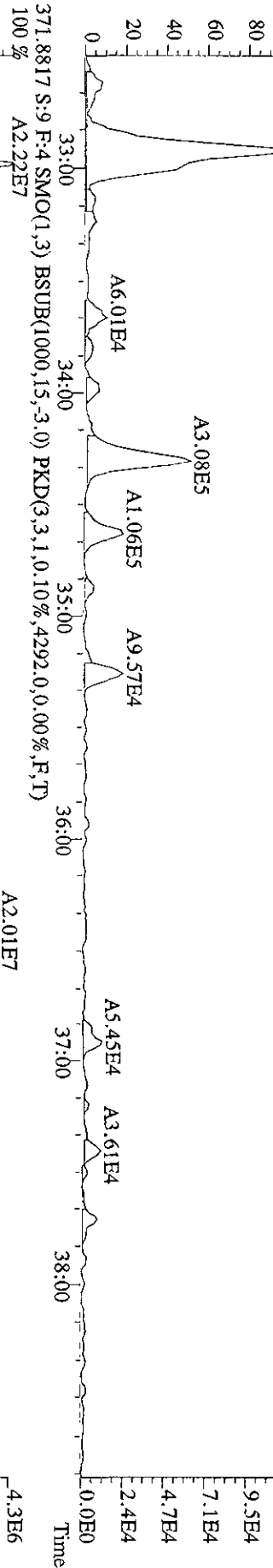
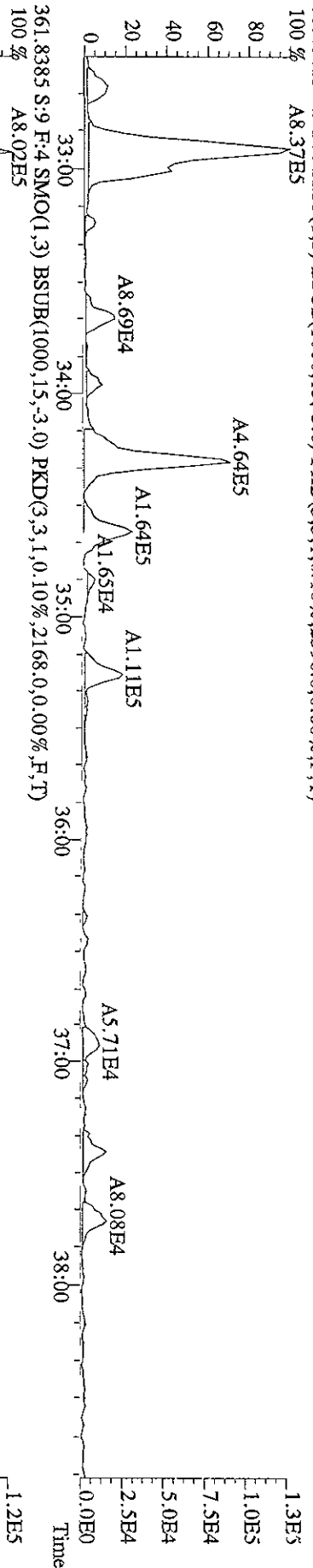
380.9760 S:9 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 32:50 33:33 34:14 34:36 35:20 35:51 36:20 36:43 37:04 37:34 38:26



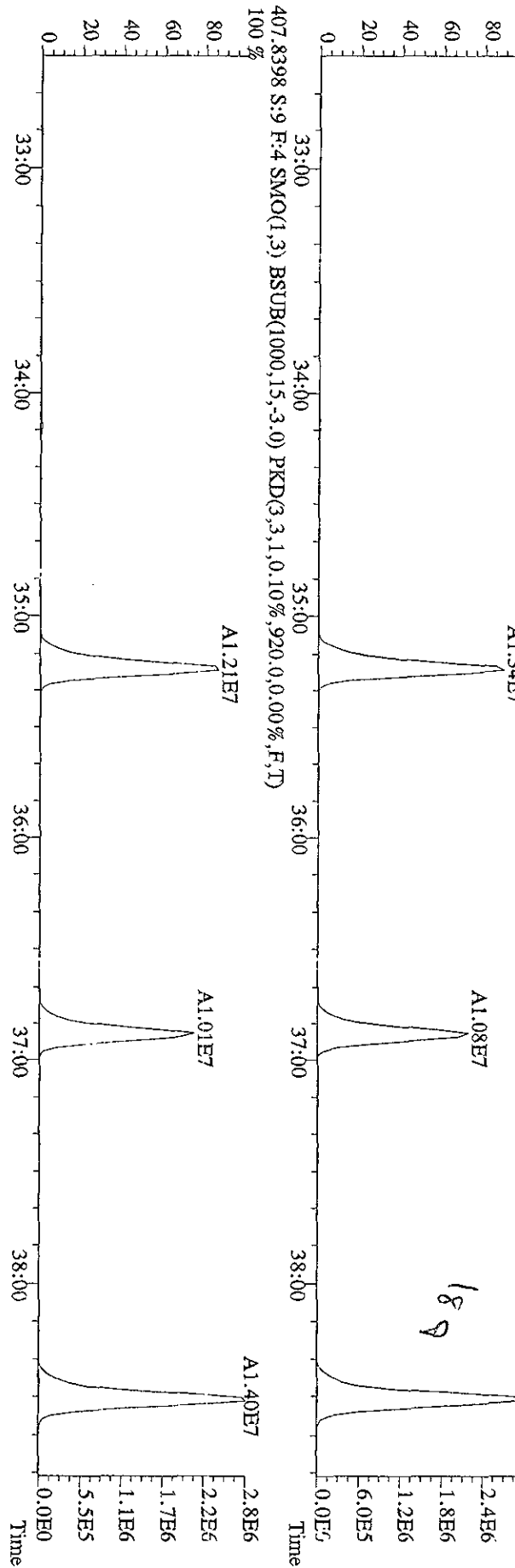
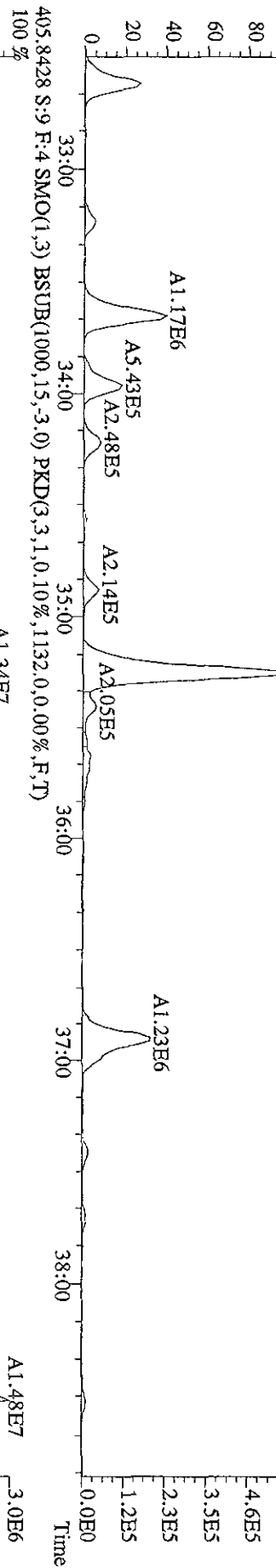
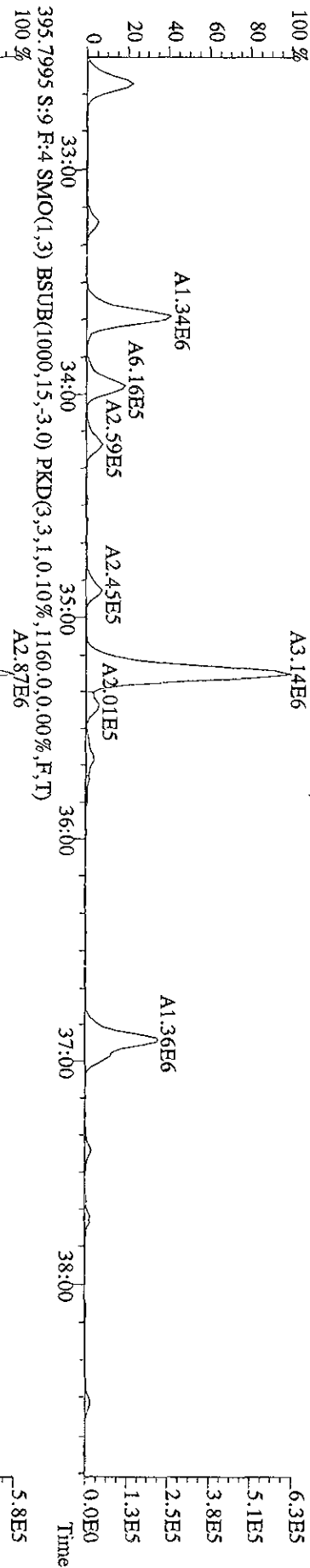
480.9696 S:9 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 39:08 40:04 40:27 41:01 41:25 42:22 42:48 43:11 43:37 44:05 44:39 45:22 45:56



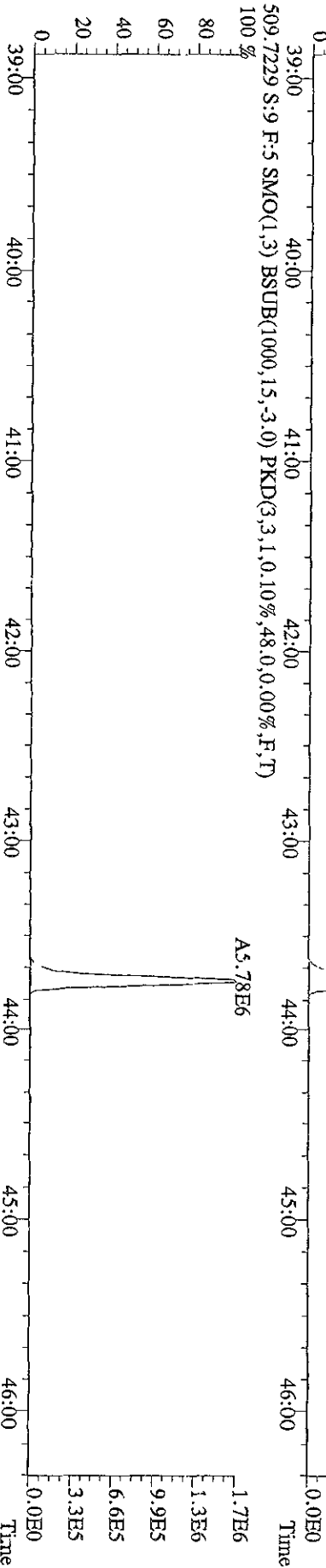
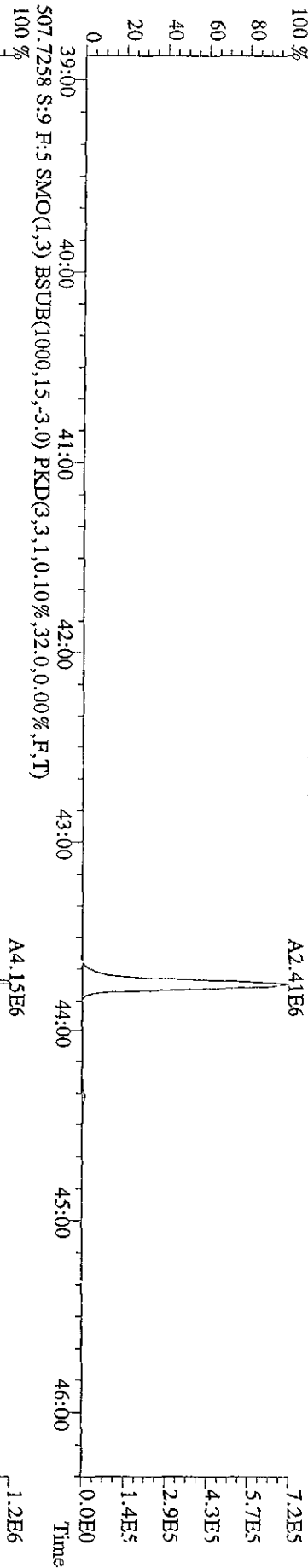
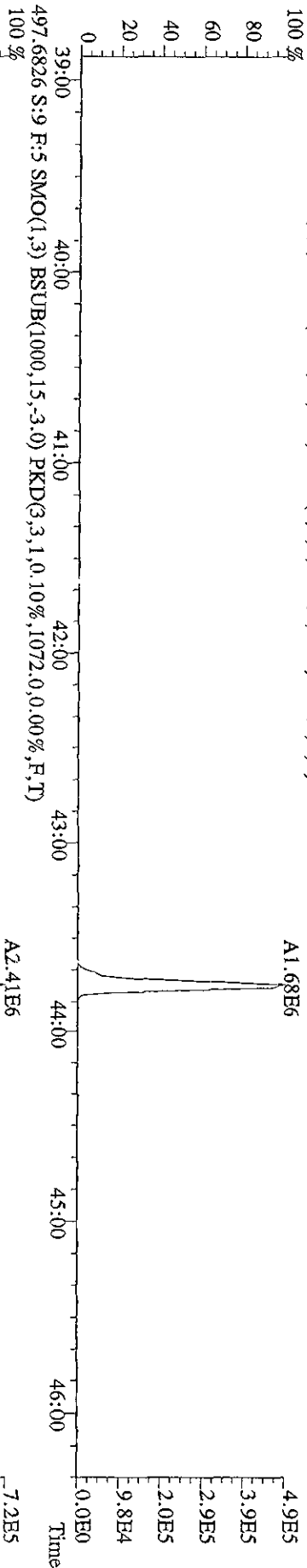
File: 22AP099D5 #1-388 Acq: 22-APR-2009 19:38:15 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#9 Text: K9LD4-1-AC : G9D030338-3(5X) Exp: 2.9DB5  
 359.8415 S:9 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2396,0,0,00%,F,T)  
 100% A8.37E5



File: 22AP099D5 #1-388 Acq: 22-APR-2009 19:38:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#9 Text: K9LD4-1-AC :G9D030338-3(5X) Exp: 209DB5  
 393.8025 S:9 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1928,0,0,00%,F,T)  
 407.8398 S:9 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,920,0,0,00%,F,T)



File:22AP099D5 #1-496 Acq:22-APR-2009 19:38:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#9 Text:K9LD4-1-AC :G9D03038-3(SX) Exp:209DB5  
 495.6856 S:9 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,60,0,0,00%,F,T)  
 100%



Run text: K9LD5-1-AC      Sample text: K9LD5-1-AC :G9D030338-4(5X)  
 Run #13 Filename: 22AP099D5    S: 10    I: 1      Results: 22ap099d51668msldec7  
 Acquired: 22-APR-09    20:29:39      Processed: 30-APR-09    11:16:49  
 Run: 22AP099D5      Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.16 g

*RL=10*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	30743200	0.66 y	24:48	-	1.24	-	-	n
13C-TCB-81	30329800	0.83 y	26:22	0.95	205.01	0.48	104.1	n
TCB-81	115272	0.98 n	26:21	1.28	0.59	0.30	-	n
13C-TCB-77	31400200	0.80 y	26:55	0.98	204.66	0.47	104.0	n
TCB-77	927749	0.79 y	26:56	1.10	5.27	0.34	-	n
13C-PeCB-123	25075760	0.62 y	28:17	0.87	184.24	0.22	93.6	n
PeCB-123	366689	0.64 y	28:19	1.51	1.91	0.44	-	n
13C-PeCB-118	28505200	0.69 y	28:25	0.98	185.39	0.19	94.2	n
PeCB-118/106	6382520	0.60 y	28:26	1.53	28.85	0.38	-	n
13C-PeCB-114	25827030	0.62 y	29:04	0.97	171.13	0.20	86.9	n
PeCB-114	84930	0.29 n	29:06	1.59	0.41	0.42	-	n
13C-PeCB-105	24427810	0.64 y	29:57	0.90	174.33	0.21	88.6	n
PeCB-105/127	3644250	0.58 y	29:58	1.42	20.65	0.50	-	n
13C-PeCB-126	26793800	0.62 y	31:51	0.91	188.22	0.21	95.6	n
PeCB-126	192779	0.51 n	31:51	1.17	1.21	0.57	-	n
13C-OcCB-202	26935200	0.85 y	34:07	-	1.03	-	-	n
13C-HxCB-167	32531400	1.26 y	32:58	0.84	282.51	0.51	143.5	n
HxCB-167	567575	1.10 y	32:59	1.17	2.94	0.33	-	y
13C-HxCB-156	26208700	1.30 y	34:15	0.67	285.79	0.64	145.2	n
HxCB-156	1300780	1.27 y	34:16	1.45	6.73	0.34	-	n
13C-HxCB-157	26784000	1.28 y	34:34	0.71	276.93	0.60	140.7	n
HxCB-157	354959	1.24 y	34:35	1.45	1.80	0.33	-	n
13C-HxCB-169	31253600	1.27 y	36:24	0.73	311.40	0.58	158.2	n
HxCB-169	*	* n	NotFnd	0.99	*	0.41	-	n
13C-HpCB-180	20942400	1.06 y	35:12	0.58	<del>261.80</del>	0.35	133.0	n
HpCB-180	13310200	1.12 y	35:13	1.27	<del>98.89</del>	0.34	-	n
13C-HpCB-170	17282720	1.07 y	36:52	0.47	<del>266.24</del>	0.43	135.2	n
HpCB-170/190	6562820	1.05 y	36:53	1.61	<del>46.53</del>	0.32	-	n
13C-HpCB-189	23954100	1.05 y	38:29	0.60	292.49	0.34	148.6	n
HpCB-189	231516	1.28 n	38:30	1.21	1.58	0.30	-	n
13C-DeCB-209	8149340	0.74 y	43:42	0.46	129.43	0.43	65.7	n
DeCB-209	319752	0.61 y	43:43	1.50	5.13	0.77	-	n
13C-PeCB-111	26793800	0.62 y	31:51	1.36	149.76	0.18	76.1	n

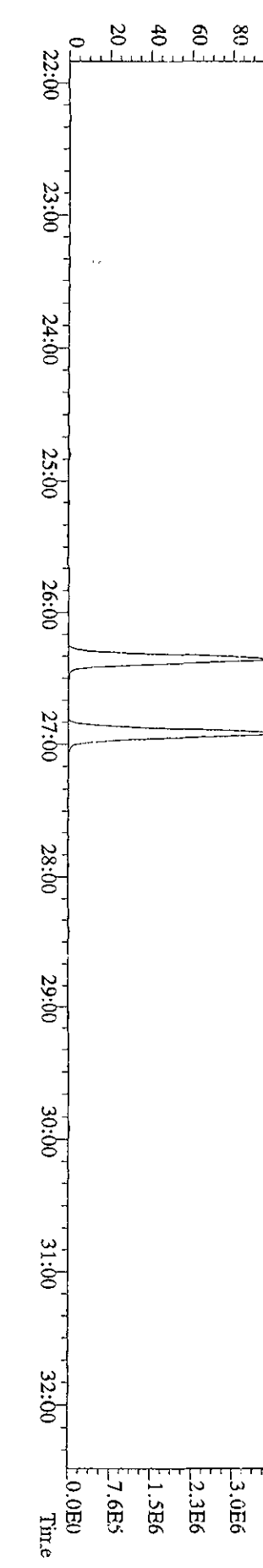
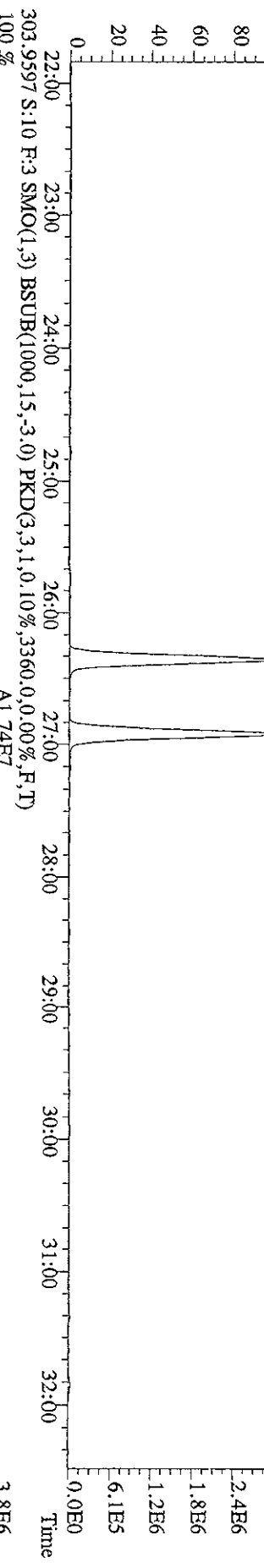
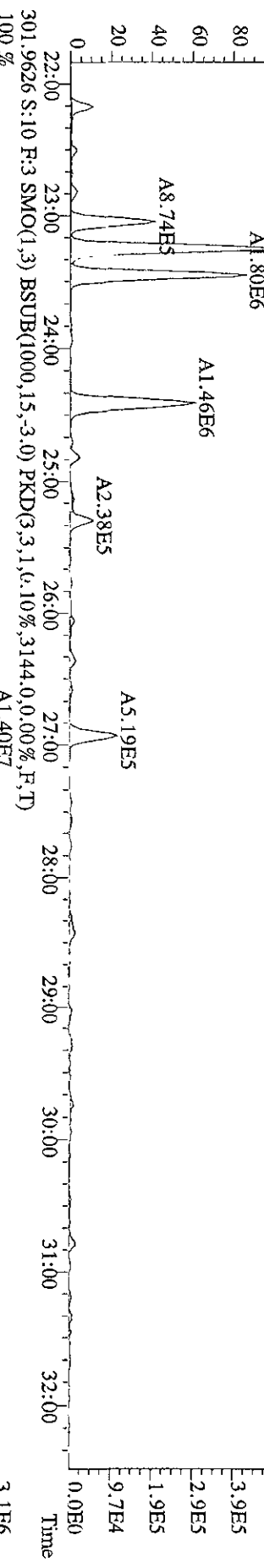
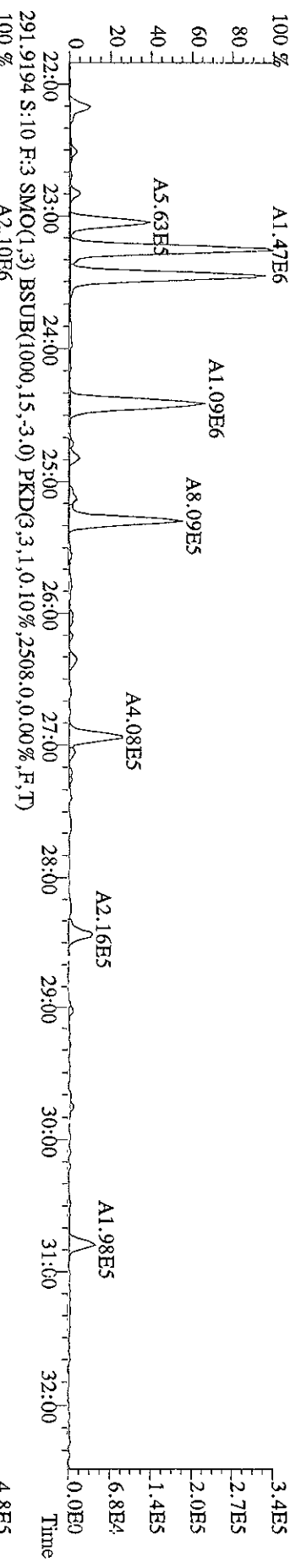
*VA 5.6.09*

Run text: K9LD5-1-AC Sample text: K9LD5-1-AC :G9D030338-4(5X) ✓  
 Run #13 Filename: 22AP099D5 S: 10 I: 1 Results: 22AP099D51668MSLDECA  
 Acquired: 22-APR-09 20:29:39 Processed: 30-APR-09 11:16:49  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.16007g

RL=10

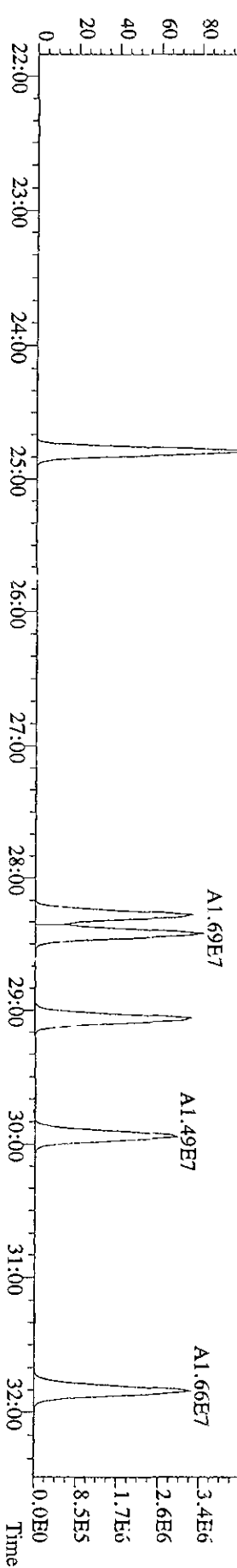
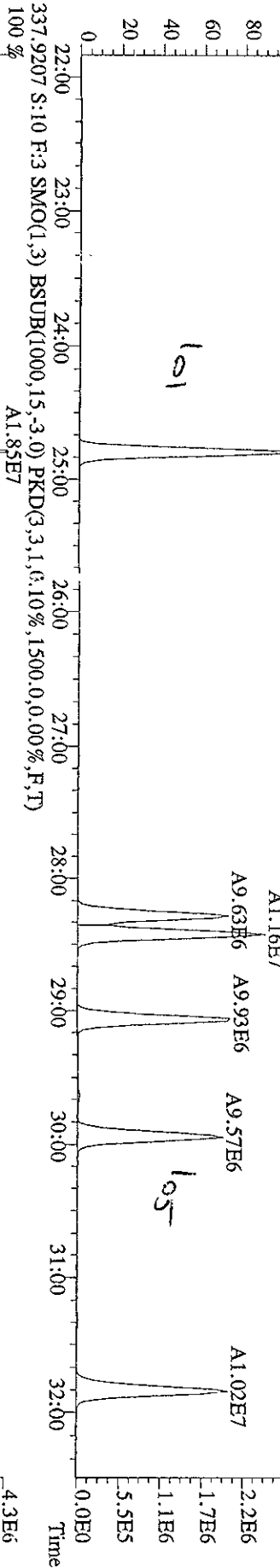
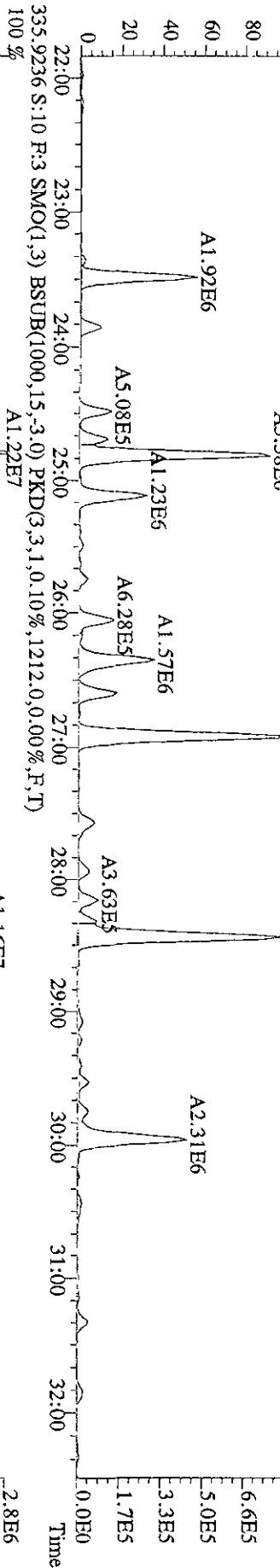
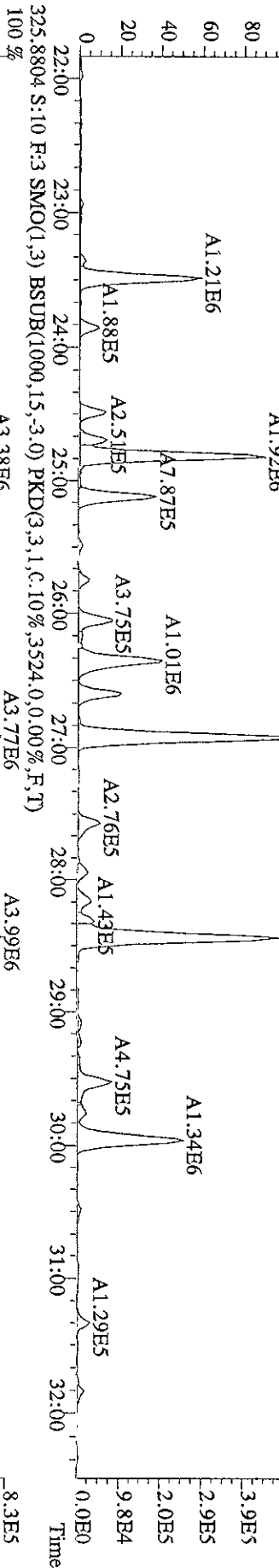
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	30743200	0.66 y	24:48	-	1.24	-	-	n
13C-TCB-81	30329800	0.83 y	26:22	0.95	205.01	0.48	104.1	n
TCB-81	115272	0.98 n	26:21	1.28	0.59	0.30	-	n
13C-TCB-77	31400200	0.80 y	26:55	0.98	204.66	0.47	104.0	n
TCB-77	927749	0.79 y	26:56	1.10	5.27	0.34	-	n
13C-PeCB-123	30743200	0.66 y	24:48	0.87	225.88	0.22	114.7	n
PeCB-123	366689	0.64 y	28:19	1.51	1.56	0.33	-	n
13C-PeCB-118	28505200	0.69 y	28:25	0.98	185.39	0.19	94.2	n
PeCB-118/106	6382520	0.60 y	28:26	1.53	28.85	0.38	-	n
13C-PeCB-114	25827030	0.62 y	29:04	0.97	171.13	0.20	86.9	n
PeCB-114	84930	0.29 n	29:06	1.59	0.4	0.42	-	n
13C-PeCB-105	24427810	0.64 y	29:57	0.90	174.33	0.21	88.6	n
PeCB-105/127	3644250	0.58 y	29:58	1.42	20.65	0.50	-	n
13C-PeCB-126	26793800	0.62 y	31:51	0.91	188.22	0.21	95.6	n
PeCB-126	192779	0.51 n	31:51	1.17	1.21	0.57	-	n
13C-OcCB-202	26935200	0.85 y	34:07	-	1.03	-	-	n
13C-HxCB-167	32531400	1.26 y	32:58	0.84	282.51	0.51	143.5	n
HxCB-167	2353750	1.18 y	32:54	1.17	12.19	0.33	-	n
13C-HxCB-156	26208700	1.30 y	34:15	0.67	285.79	0.64	145.2	n
HxCB-156	1300780	1.27 y	34:16	1.45	6.73	0.34	-	n
13C-HxCB-157	26784000	1.28 y	34:34	0.71	276.93	0.60	140.7	n
HxCB-157	354959	1.24 y	34:35	1.45	1.80	0.33	-	n
13C-HxCB-169	31253600	1.27 y	36:24	0.73	311.40	0.58	158.2	n
HxCB-169	*	* n	Not Fnd	0.99	*	0.41	-	n
13C-HpCB-180	20942400	1.06 y	35:12	0.58	261.80	0.35	133.0	n
HpCB-180	13310200	1.12 y	35:13	1.27	98.89	0.34	-	n
13C-HpCB-170	17282720	1.07 y	36:52	0.47	266.24	0.43	135.2	n
HpCB-170/190	6562820	1.05 y	36:53	1.61	46.53	0.32	-	n
13C-HpCB-189	23954100	1.05 y	38:29	0.60	292.49	0.34	148.6	n
HpCB-189	231516	1.28 n	38:30	1.21	1.58	0.30	-	n
13C-DeCB-209	8149340	0.74 y	43:42	0.46	129.43	0.43	65.7	n
DeCB-209	319752	0.61 y	43:43	1.50	5.13	0.77	-	n
13C-PeCB-111	26793800	0.62 y	31:51	1.36	142.01	0.17	72.1	n

File:22AP099D5 #1-600 Acq:22-APR-2009 20:29:39 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#10 Text:K9LD5-1-AC :G9D030338-4(5X) Exp:209DB5  
 289,9224 S:10 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2772,0,0,00%,F,T)  
 100 %

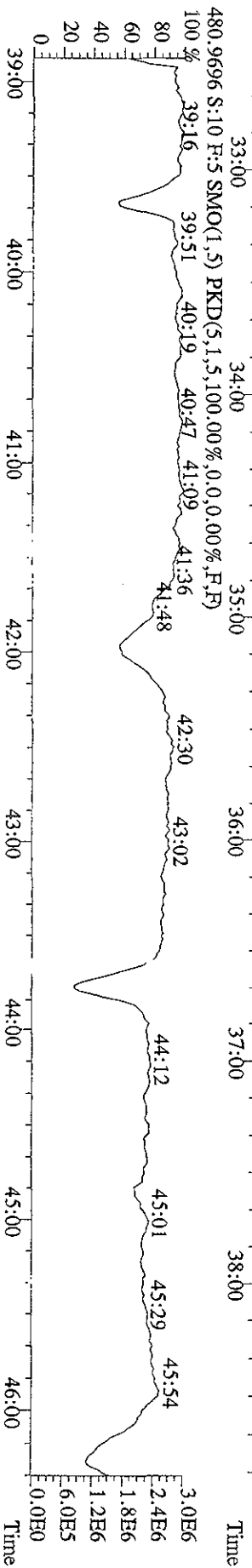
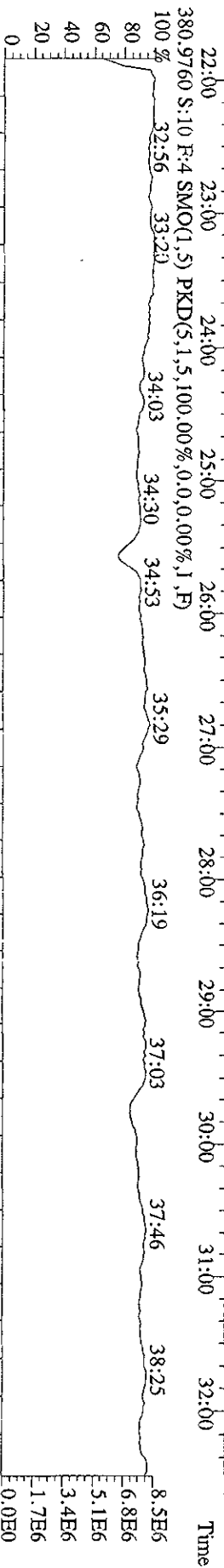
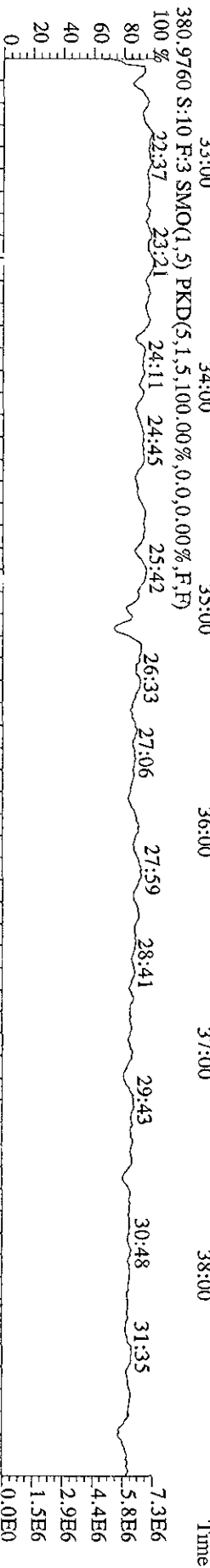
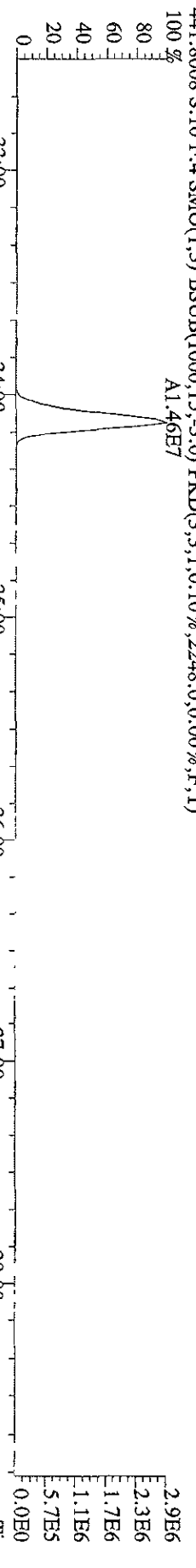
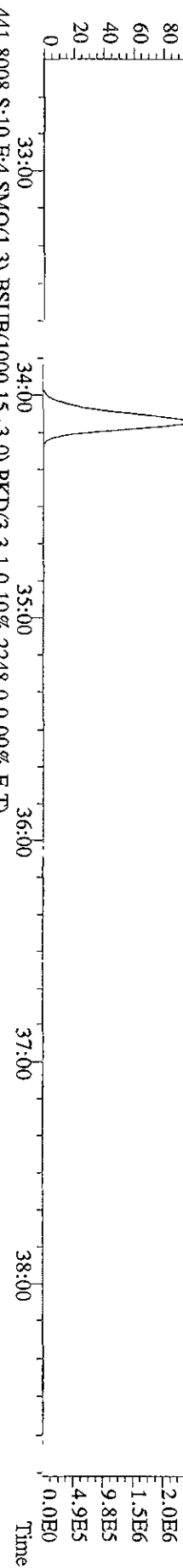




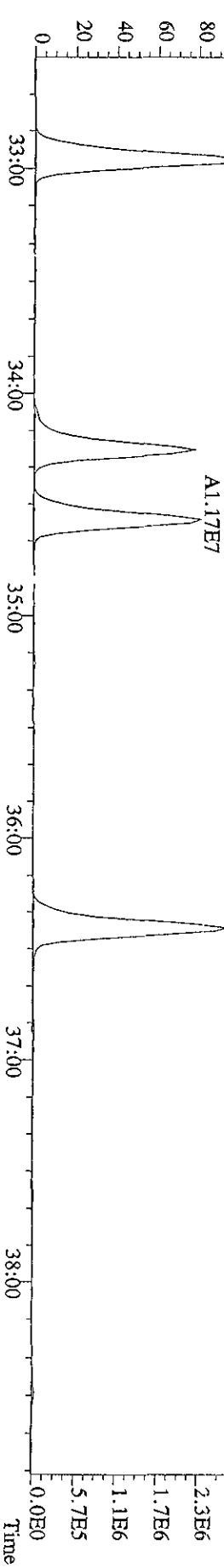
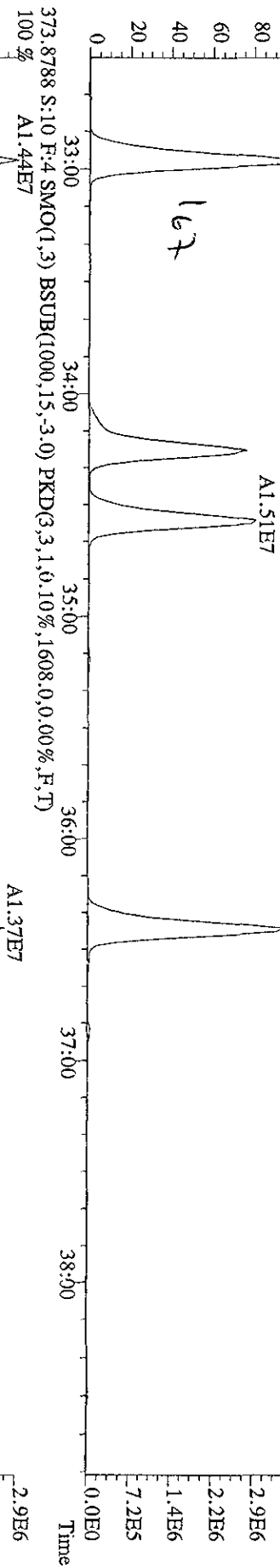
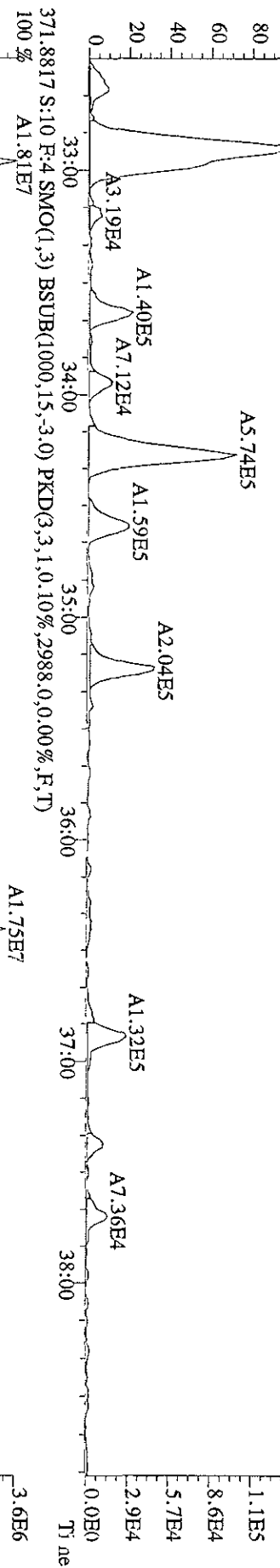
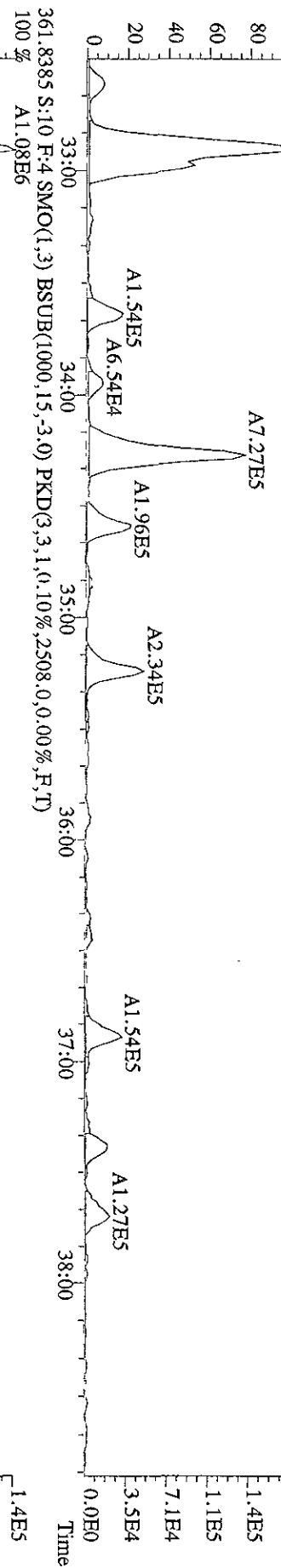
File:22AP099D5 #1-600 Acq:22-APR-2009 20:29:39 GC FI+ Voltage SIR Autospec-Ultimate  
 Sample#10 Text:K9LD5-1-AC :G9D030338-4(5X) Exp:209DB5  
 323.8834 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,6,10%,3556,0,0,00%,F,T)  
 100 %



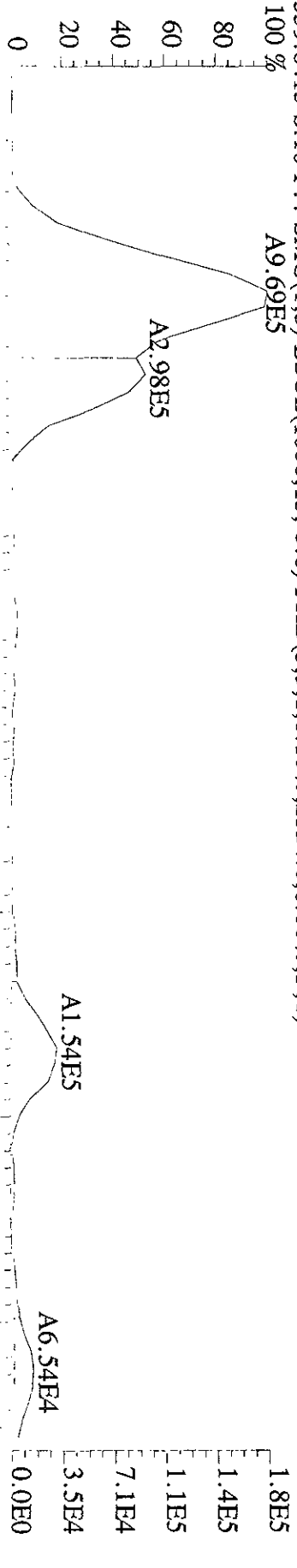
File:22AP099D5 #1-388 Acq:22-APR-2009 20:29:39 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#10 Text:K9LD5-1-AC :G9D030338-4(5X) Exp:209DB5  
 439.8038 S:10 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1216,0,0,00%,F,T)  
 100% A1:24E7



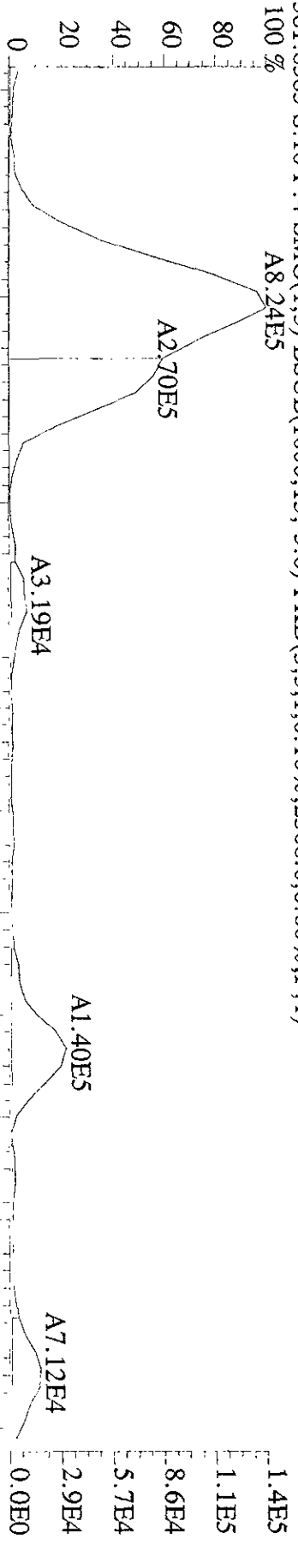
File:22AP099D5 #1-388 Acq:22-APR-2009 20:29:39 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#10 Text:K9LD5-1-AC :G9D030338-4(5X) Exp:209DB5  
 359.8415 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2524.0,0.00%,F,T)  
 100% A1.27E6



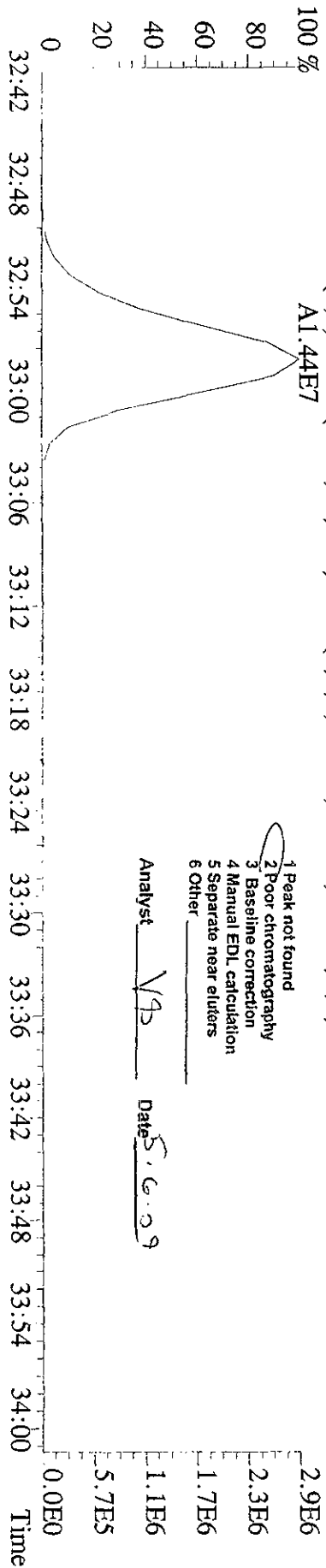
File: 22AP099D5 #1-388 Acq: 22-APR-2009 20:29:39 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#10 Text: K9LD5-1-AC : G9D030338-4( Exp: 209DB5  
 359.8415 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2524.0,0.00%,F,T)  
 100% A9.69E5



361.8385 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2508.0,0.00%,F,T)  
 100% A8.24E5



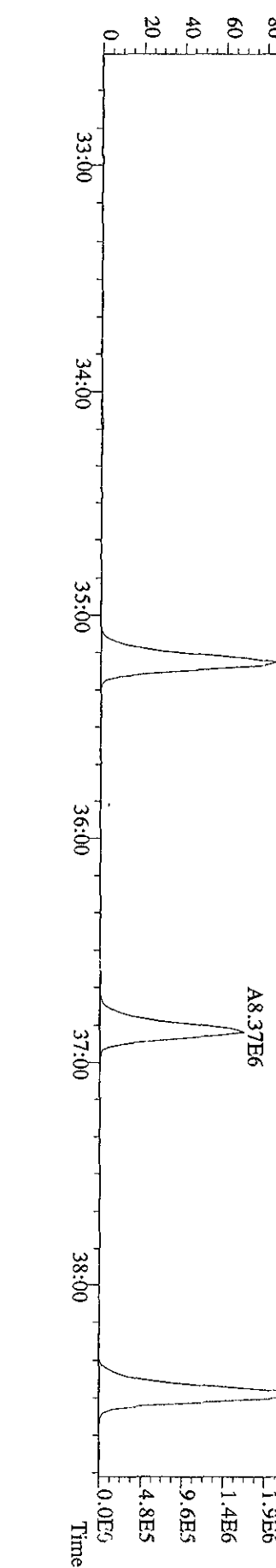
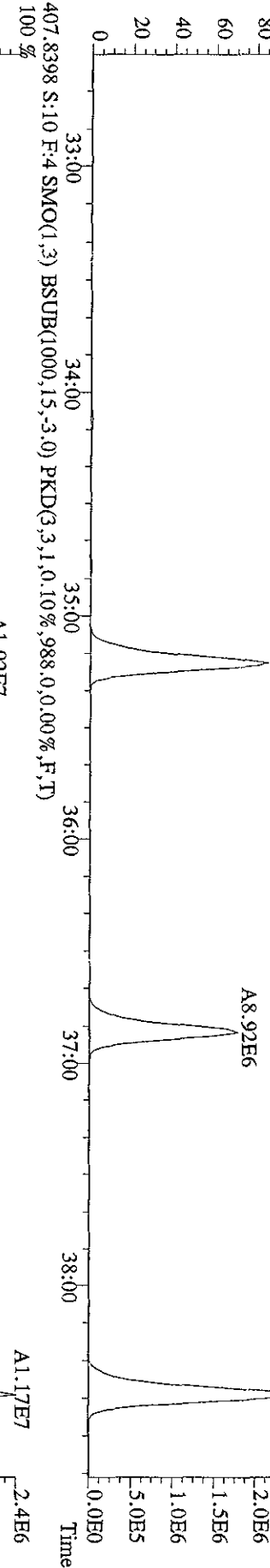
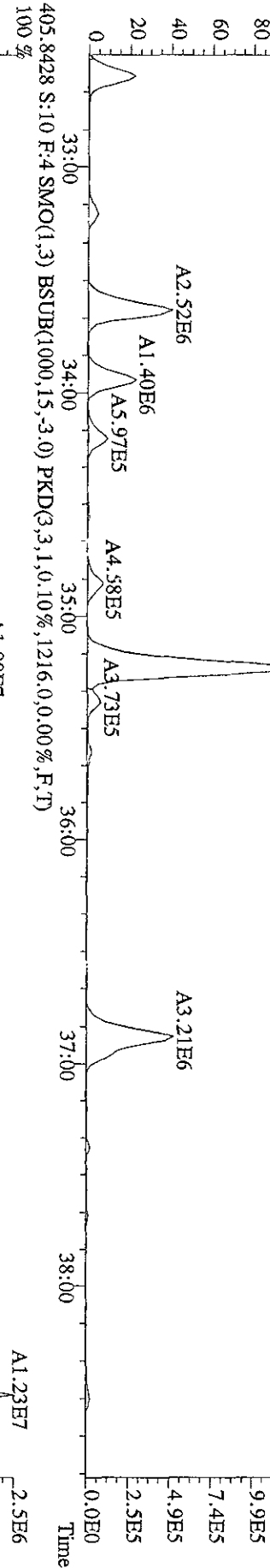
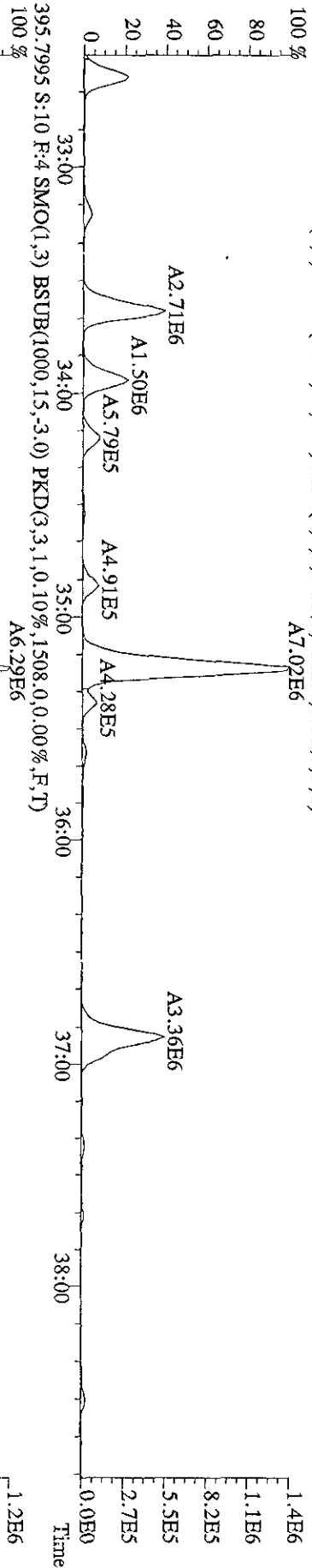
373.8788 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1608.0,0.00%,F,T)  
 100% A1.44E7



1 Peak not found  
 2 Poor chromatography  
 3 Baseline correction  
 4 Manual EDL calculation  
 5 Separate near eluters  
 6 Other

Analyst VPS Date 5.6.09

File:22AP099D5 #1-388 Acq:22-APR-2009 20:29:39 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#10 Text:K9LID5-1-AC :G9D030338-4(5X) Exp:..09DB5  
 393.8025 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2112,0,0,00%,F,T)  
 100% A7.02E6



Run text: K9LD6-1-AC Sample text: K9LD6-1-AC :G9D030338-5(5X)  
 Run #14 Filename: 22AP099D5 S: 11 I: 1 Results: 22ap099d51668msldec7  
 Acquired: 22-APR-09 21:20:58 Processed: 30-APR-09 11:16:50  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.28 g

*RL=10*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	26266200	0.64 y	24:48	-	1.04	-	-	n
13C-TCB-81	24491000	0.76 y	26:22	0.95	191.50	0.22	98.4	n
TCB-81	81371	0.68 y	26:21	1.28	0.51	0.39	-	n
13C-TCB-77	26180400	0.80 y	26:55	0.98	197.39	0.21	101.5	n
TCB-77	437601	0.78 y	26:56	1.10	2.95	0.43	-	n
13C-PeCB-123	22555590	0.63 y	28:17	0.87	191.71	0.24	98.5	n
PeCB-123	217125	0.54 y	28:21	1.51	1.24	0.46	-	y
13C-PeCB-118	23216970	0.63 y	28:25	0.98	174.67	0.21	89.8	n
PeCB-118/106	3283640	0.59 y	28:27	1.53	18.01	0.44	-	y
13C-PeCB-114	23938690	0.65 y	29:04	0.97	183.49	0.22	94.3	n
PeCB-114	*	* n	NotFnd	1.59	*	0.44	-	n
13C-PeCB-105	22895690	0.66 y	29:57	0.90	189.01	0.23	97.2	n
PeCB-105/127	1645932	0.55 y	29:58	1.42	9.33	0.53	-	n
13C-PeCB-126	25279830	0.64 y	31:51	0.91	205.42	0.23	105.6	n
PeCB-126	180926	0.54 y	31:52	1.17	1.19	0.60	-	n
13C-OcCB-202	22884300	0.83 y	34:08	-	0.86	-	-	n
13C-HxCB-167	28187200	1.29 y	32:58	0.84	284.75	0.50	146.4	n
HxCB-167	1055362	1.15 y	32:55	1.17	6.23	0.28	-	n
13C-HxCB-156	23759100	1.25 y	34:16	0.67	301.38	0.63	154.9	n
HxCB-156	565459	1.33 y	34:17	1.45	3.19	0.28	-	n
13C-HxCB-157	24172200	1.29 y	34:34	0.71	290.74	0.59	149.4	n
HxCB-157	184655	1.23 y	34:36	1.45	1.03	0.27	-	n
13C-HxCB-169	27431100	1.26 y	36:24	0.73	317.94	0.57	163.4	n
HxCB-169	*	* n	NotFnd	0.99	*	0.35	-	n
13C-HpCB-180	19160190	1.07 y	35:13	0.58	278.63	0.37	143.2	n
HpCB-180	4120460	1.09 y	35:14	1.27	33.07	0.35	-	n
13C-HpCB-170	15997660	1.06 y	36:52	0.47	286.68	0.45	147.4	n
HpCB-170/190	1910956	1.07 y	36:53	1.61	14.47	0.33	-	n
13C-HpCB-189	22064300	1.05 y	38:29	0.60	313.40	0.36	161.1	n
HpCB-189	58534	1.95 n	38:29	1.21	0.43	0.31	-	n
13C-DeCB-209	7625090	0.77 y	43:43	0.46	140.87	1.02	72.4	n
DECB-209	416312	0.71 y	43:43	1.50	7.06	1.17	-	n
13C-PeCB-111	25279730	0.64 y	31:51	1.36	156.58	0.20	80.5	n

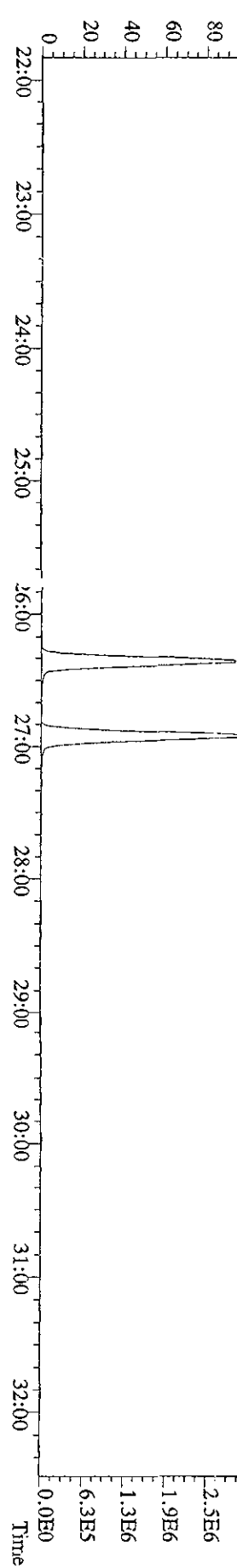
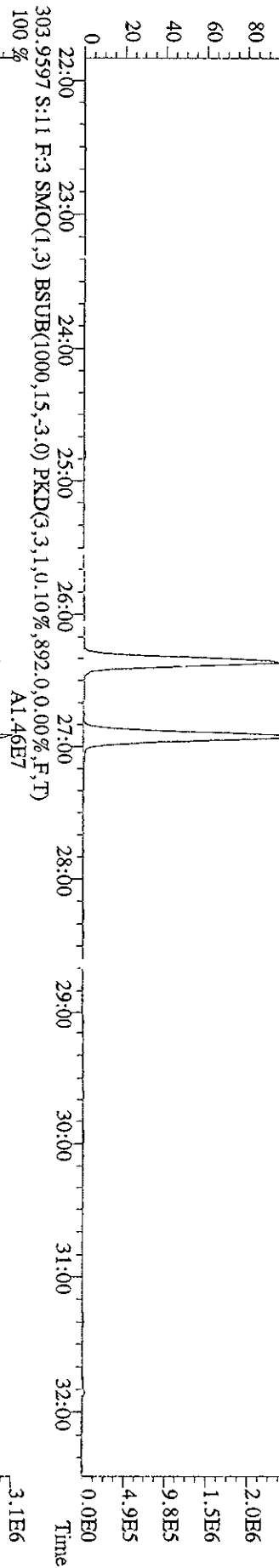
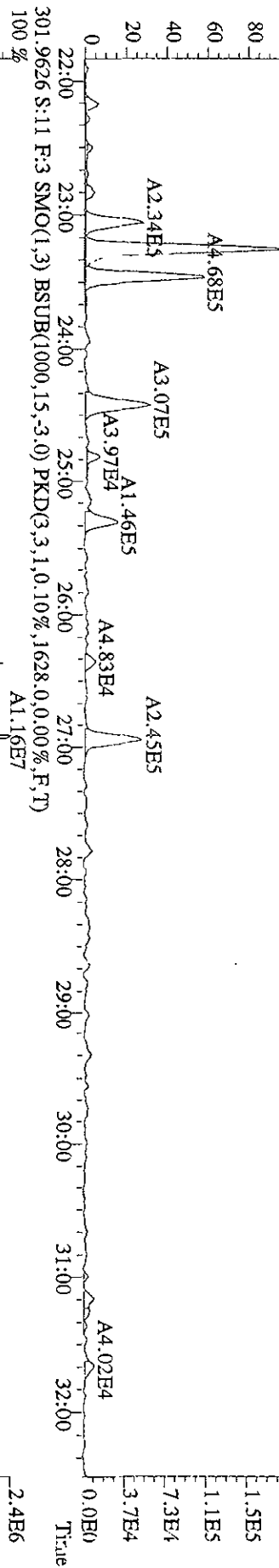
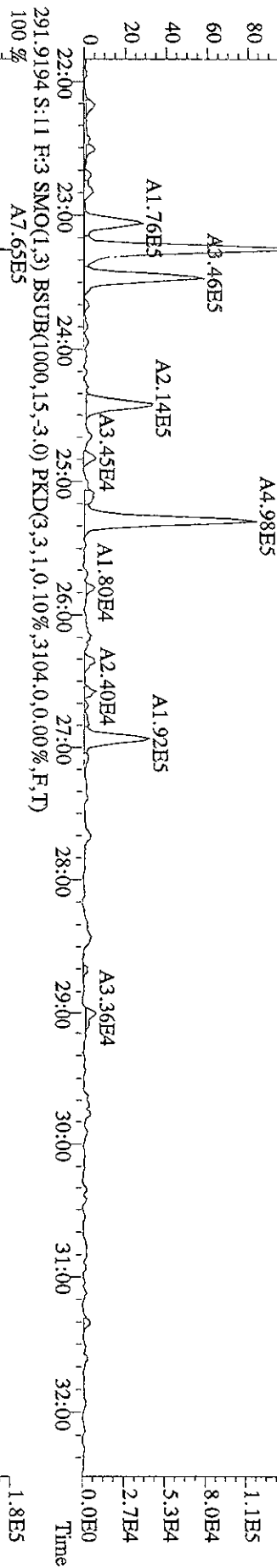
*V8 5.4.09*

Run text: K9LD6-1-AC Sample text: K9LD6-1-AC :G9D030338-5(5X)  
 Run #14 Filename: 22AP099D5 S: 11 I: 1 Results: 22AP099D51668MSLDECA  
 Acquired: 22-APR-09 21:20:58 Processed: 30-APR-09 11:16:50  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.28007g

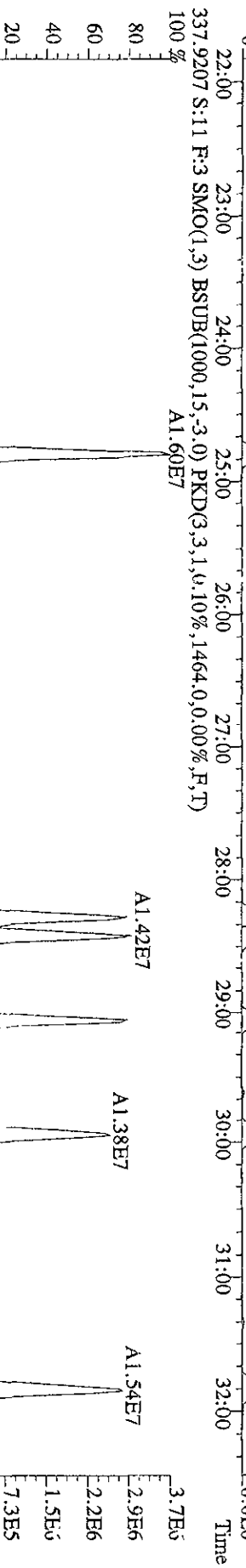
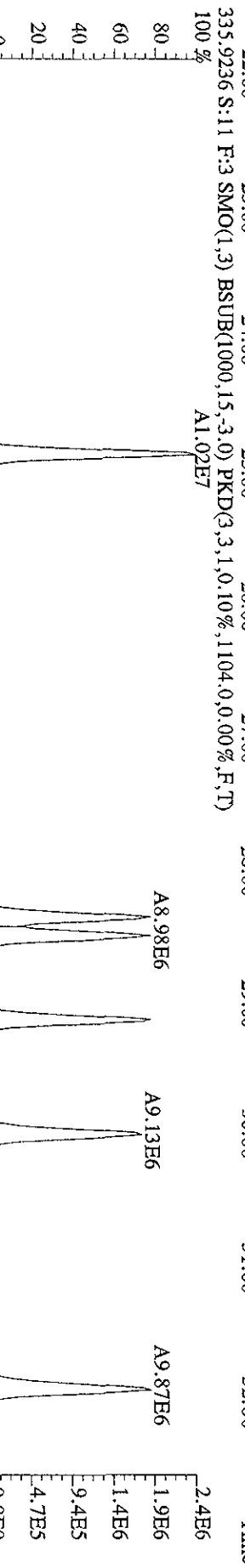
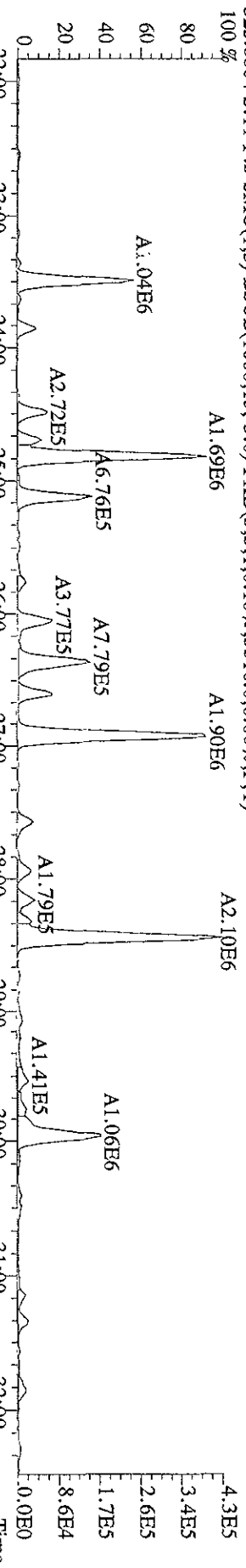
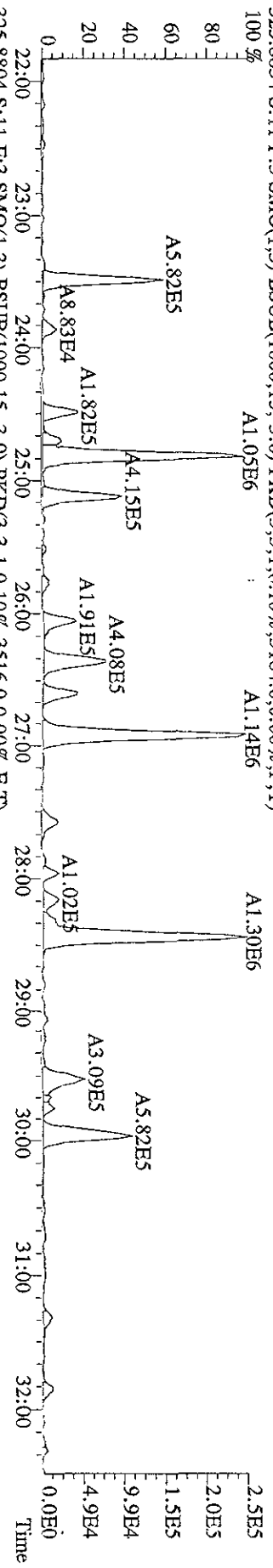
RL=10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	26266200	0.64 y	24:48	-	1.04	-	-	n
13C-TCB-81	24491000	0.76 y	26:22	0.95	191.50	0.22	98.4	n
TCB-81	81371	0.68 y	26:21	1.28	0.51	0.39	-	n
13C-TCB-77	26180400	0.80 y	26:55	0.98	197.39	0.21	101.5	n
TCB-77	437601	0.78 y	26:56	1.10	2.95	0.43	-	n
13C-PeCB-123	26266200	0.64 y	24:48	0.87	223.25	0.24	114.7	n
PeCB-123	*	* n	NotFnd	1.51	*	0.36	-	n
13C-PeCB-118	23216970	0.63 y	28:25	0.98	174.67	0.21	89.8	n
PeCB-118/106	3402170	0.62 y	28:27	1.53	18.66	0.44	-	n
13C-PeCB-114	23938690	0.65 y	29:04	0.97	183.49	0.22	94.3	n
PeCB-114	*	* n	NotFnd	1.59	*	0.44	-	n
13C-PeCB-105	22895690	0.66 y	29:57	0.90	189.01	0.23	97.2	n
PeCB-105/127	1645932	0.55 y	29:58	1.42	9.83	0.53	-	n
13C-PeCB-126	25279730	0.64 y	31:51	0.91	205.42	0.23	105.6	n
PeCB-126	180926	0.54 y	31:52	1.17	1.19	0.60	-	n
13C-OcCB-202	22884300	0.83 y	34:08	-	0.86	-	-	n
13C-HxCB-167	28187200	1.29 y	32:58	0.84	284.75	0.50	146.4	n
HxCB-167	1055362	1.15 y	32:55	1.17	6.23	0.28	-	n
13C-HxCB-156	23759100	1.25 y	34:16	0.67	301.38	0.63	154.9	n
HxCB-156	565459	1.33 y	34:17	1.45	3.19	0.28	-	n
13C-HxCB-157	24172200	1.29 y	34:34	0.71	290.74	0.59	149.4	n
HxCB-157	184655	1.23 y	34:36	1.45	1.03	0.27	-	n
13C-HxCB-169	27431100	1.26 y	36:24	0.73	317.94	0.57	153.4	n
HxCB-169	*	* n	NotFnd	0.99	*	0.35	-	n
13C-HpCB-180	19160190	1.07 y	35:13	0.58	278.63	0.37	143.2	n
HpCB-180	4120460	1.09 y	35:14	1.27	33.07	0.35	-	n
13C-HpCB-170	15997660	1.06 y	36:52	0.47	285.68	0.45	147.4	n
HpCB-170/190	1910956	1.07 y	36:53	1.61	14.47	0.33	-	n
13C-HpCB-189	22064300	1.05 y	38:29	0.60	313.40	0.36	161.1	n
HpCB-189	58534	1.95 n	38:29	1.21	0.43	0.31	-	n
13C-DeCB-209	7625090	0.77 y	43:43	0.46	140.87	1.02	72.4	n
DeCB-209	416312	0.71 y	43:43	1.50	7.06	1.17	-	n
13C-PeCB-111	25279730	0.64 y	31:51	1.36	150.55	0.19	77.4	n

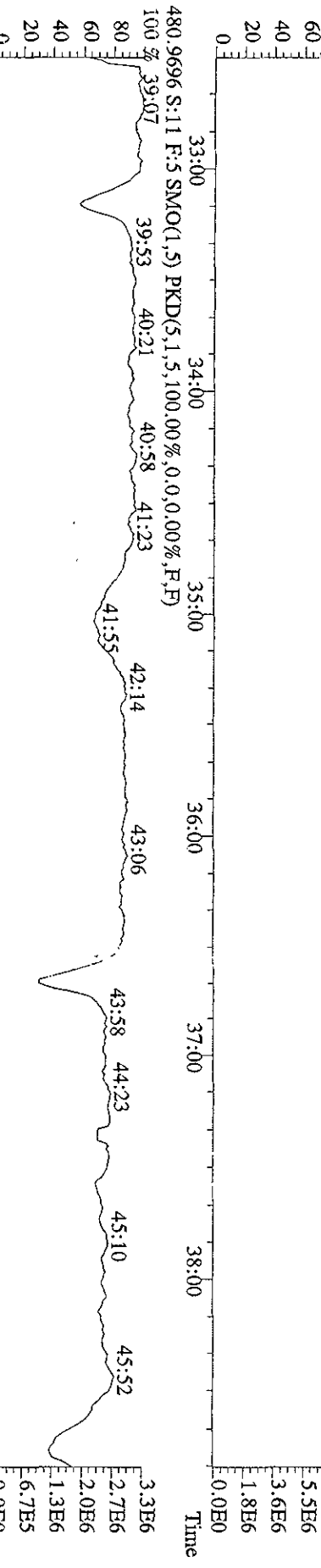
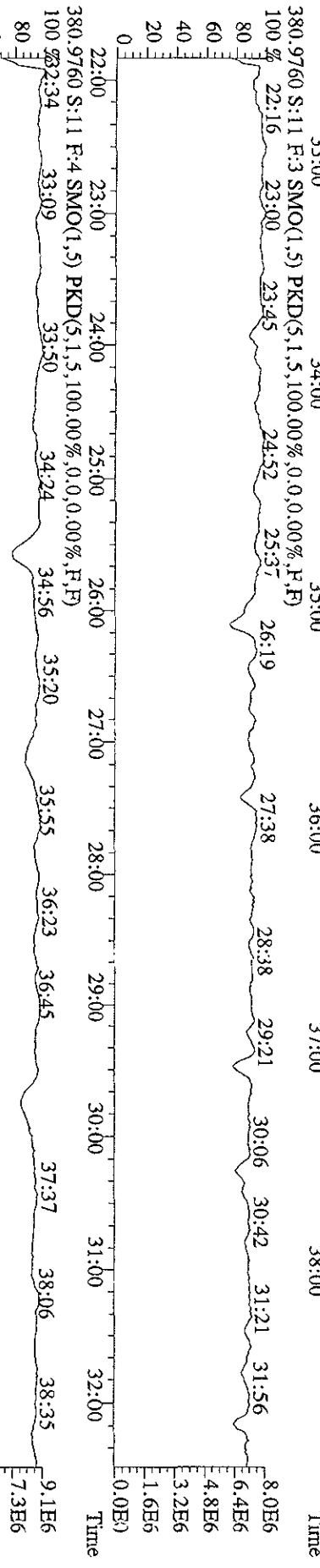
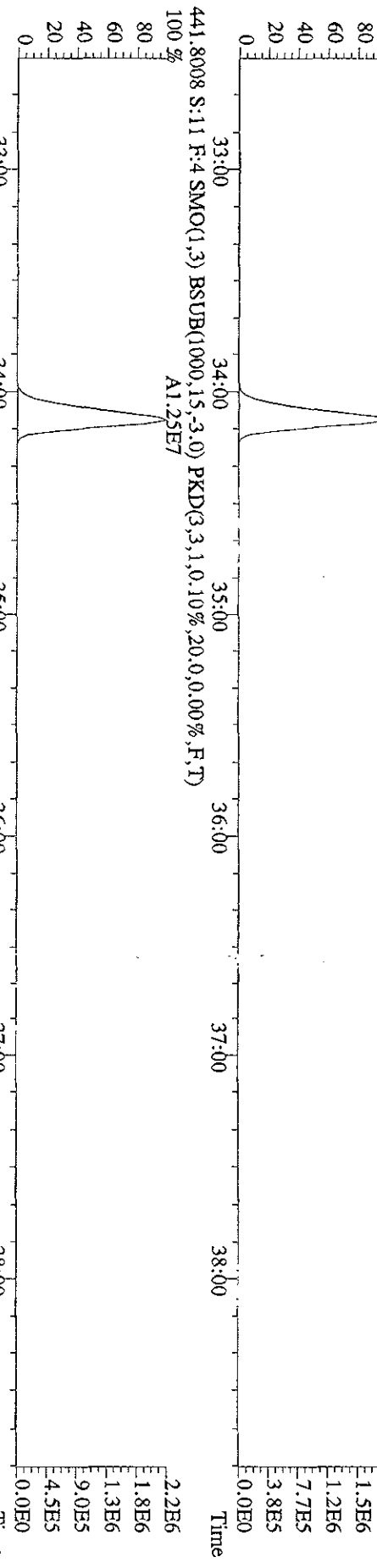
File:22AP099D5 #1-600 Acq:22-APR-2009 21:20:58 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#11 Text:K9LD6-1-AC :G9D030338-5(5X) Exp:209DB5  
 289.9224 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2312,0,0.00%,F,T)  
 100% A5.80E5



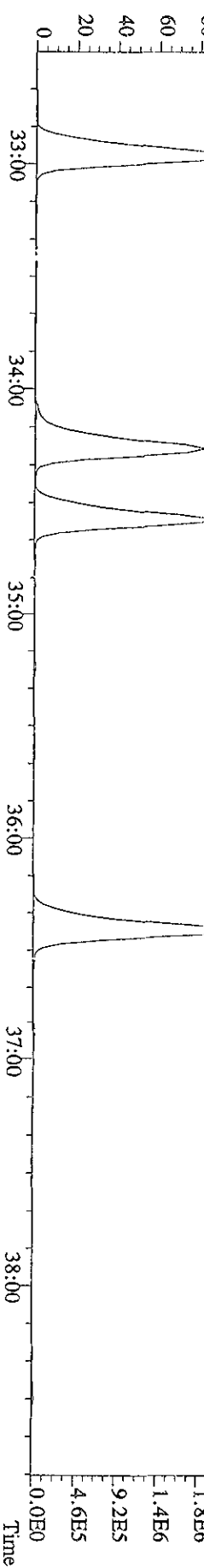
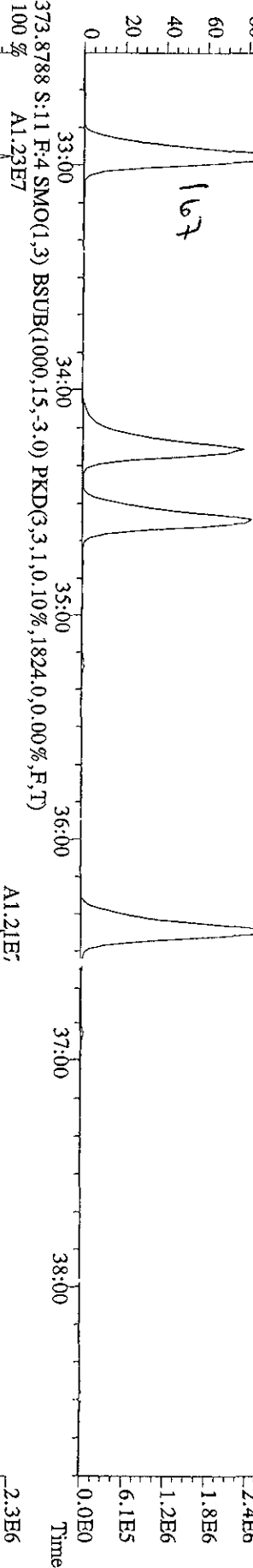
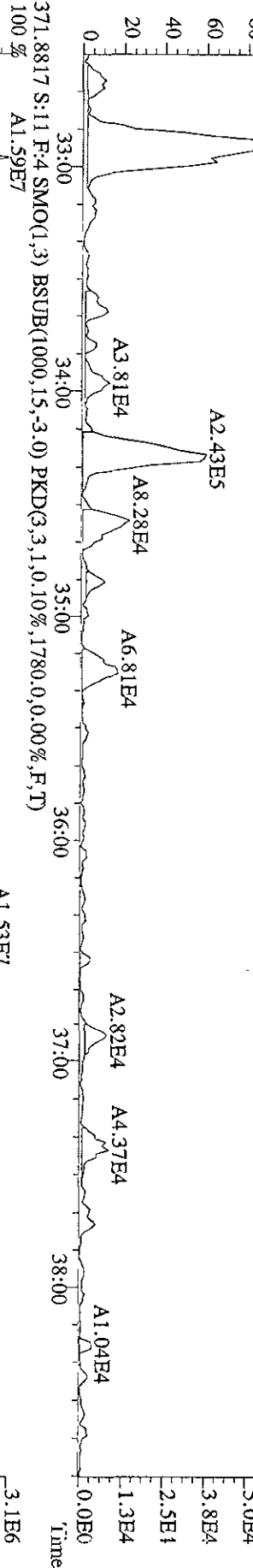
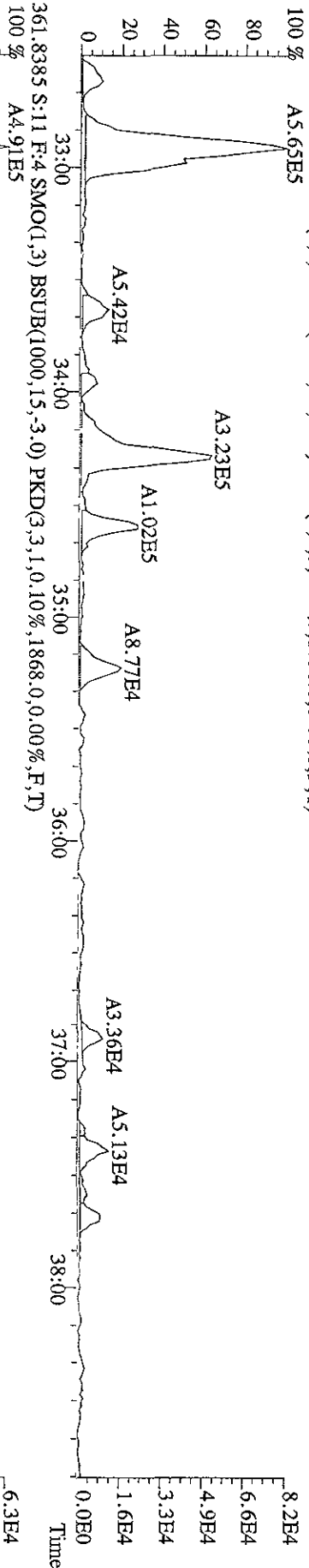




File:22A099D5 #1-387 Acq:22-APR-2009 21:20:58 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text:K9LD6-1-AC :G9D030338-5(5X) Exp:209DB5  
 439.8038 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,28.0,0.00%,F,T)  
 A1.04E7



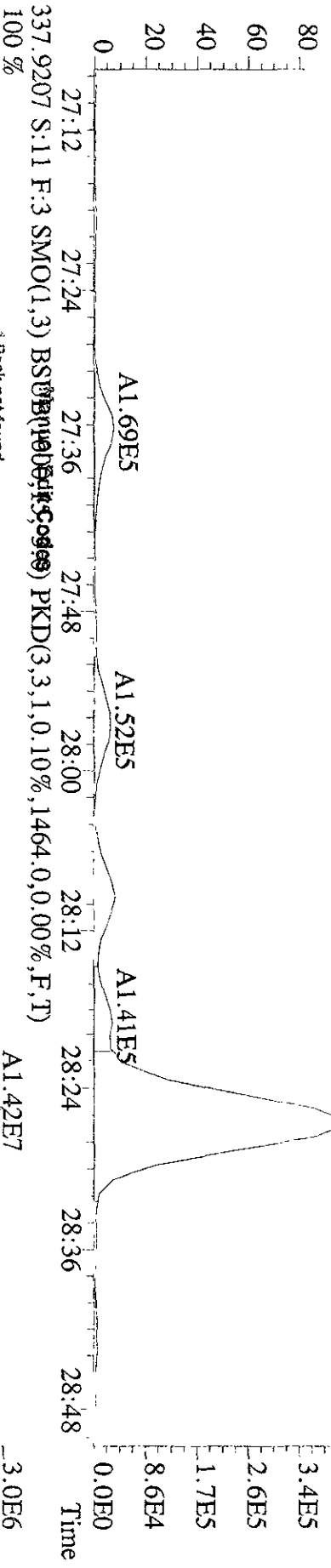
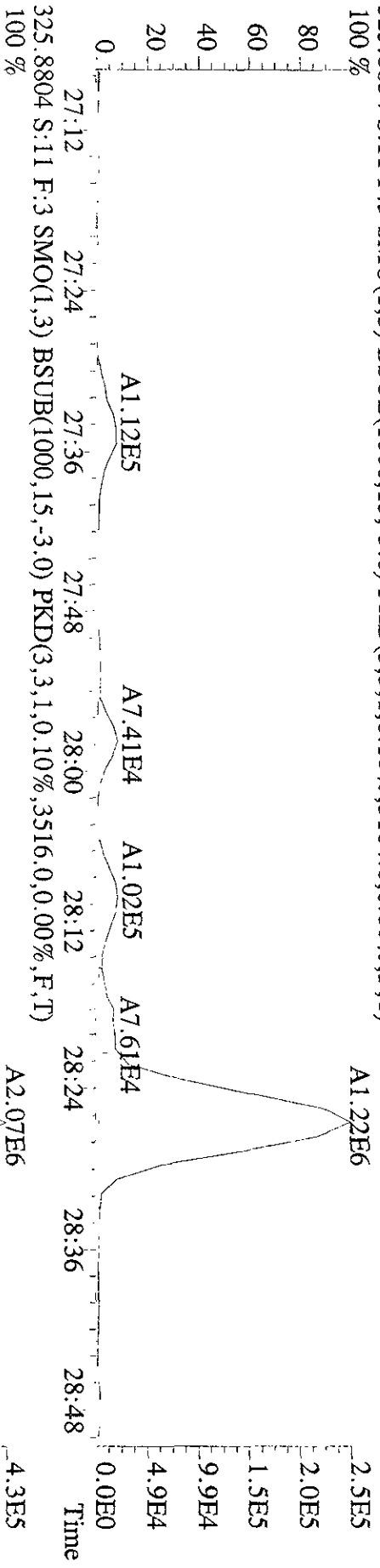
File: 22AP099D5 #1-387 Acq: 22-APR-2009 21:20:58 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#11 Text: K9LD6-1-AC : G9D030338-5(5X) Exp: 209DB5  
 359.8415 S: 11 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1736.0,0.00%,F,T)  
 100% A5.65E5



File:22AP099D5 #1-600 Acq:22-APR-2009 21:20:58 GC EI+ Voltage SIR Autospec-Ultimate

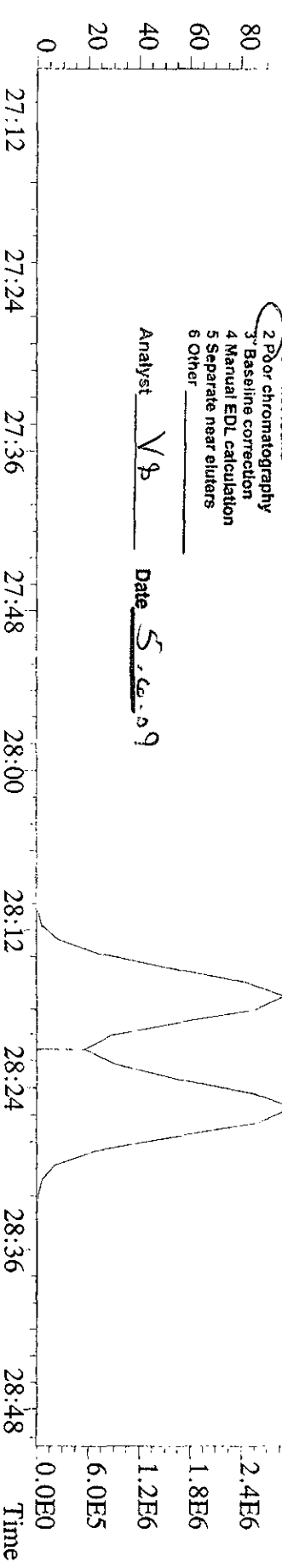
Sample#11 Text:K9LD6-1-AC :G9D030338-5( Exp:209DB5

323.8834 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3184.0,0.00%,F,T)

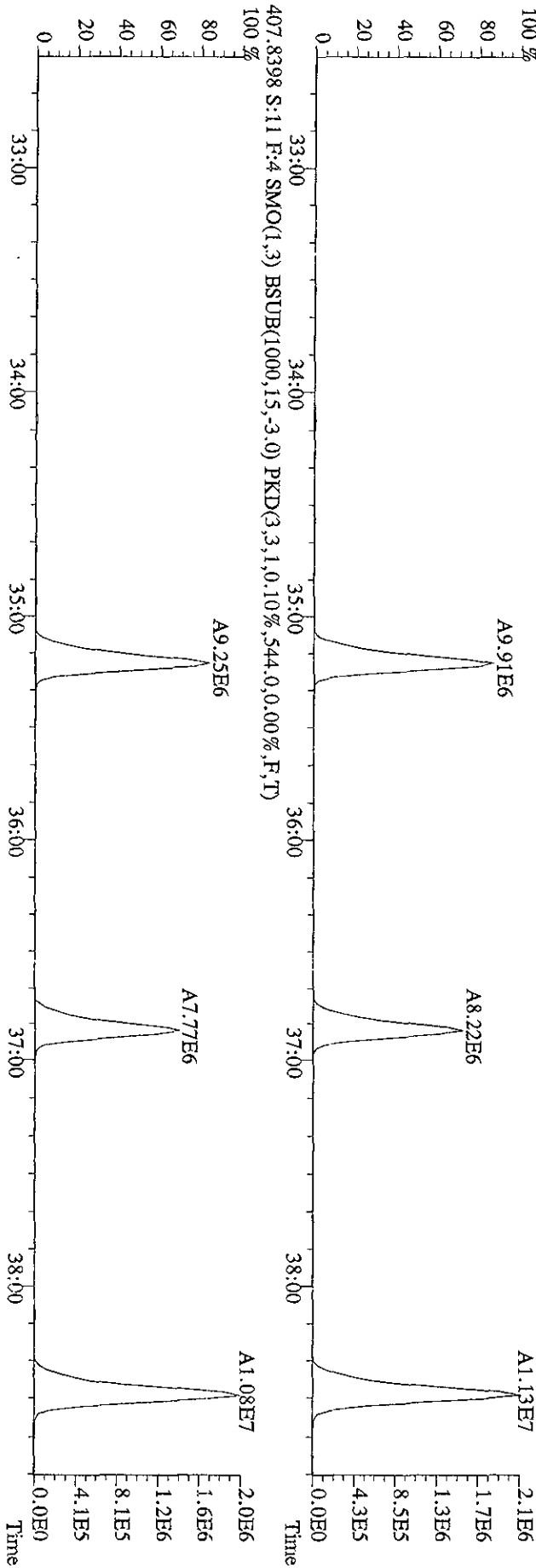
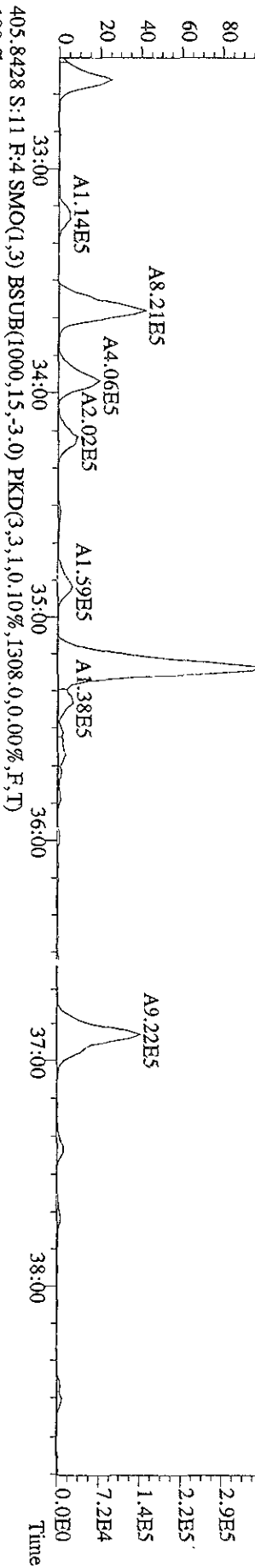
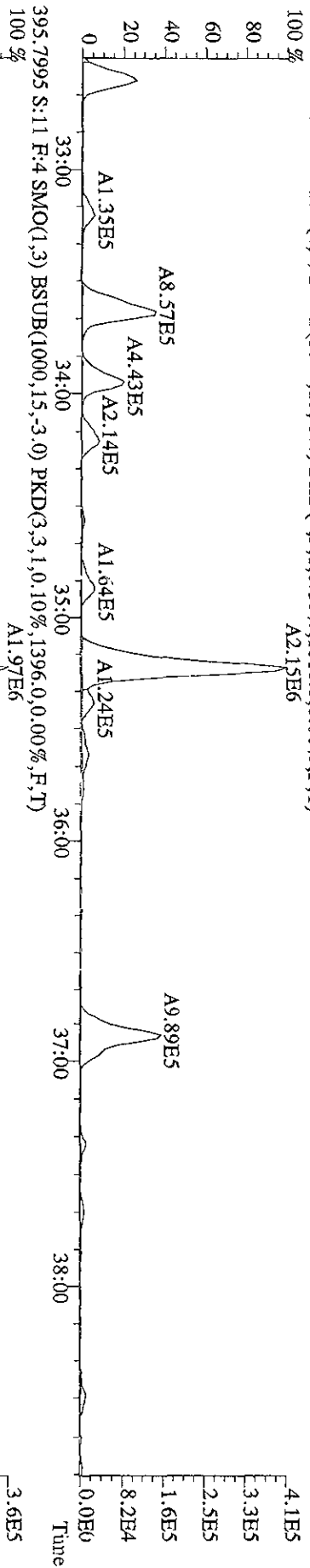


- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

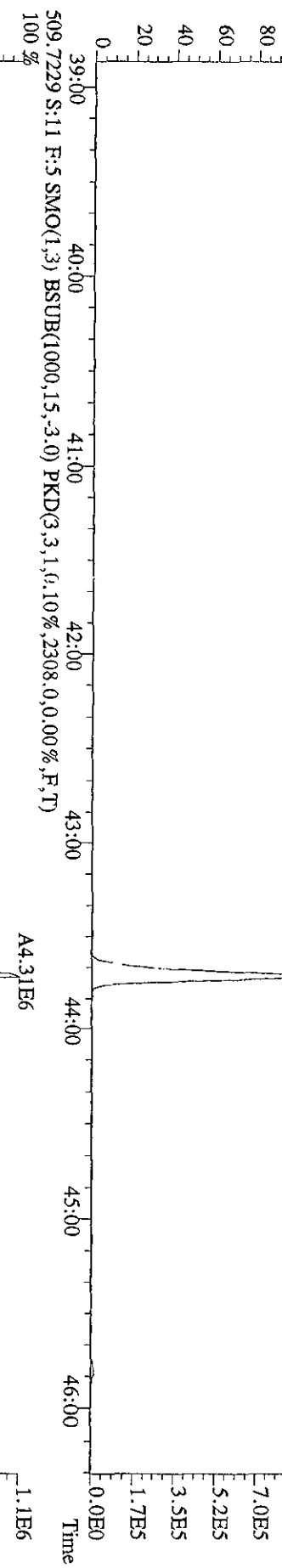
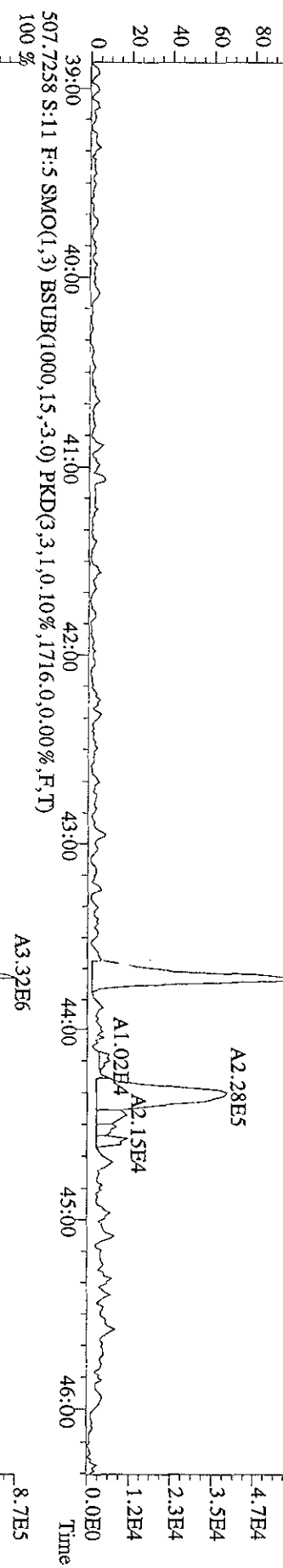
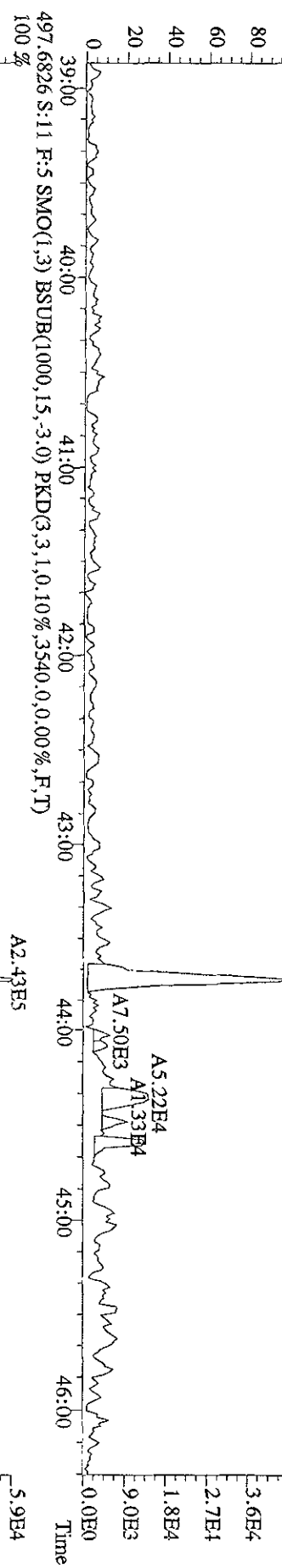
Analyst VP Date 5.6.09



File: 22AP099D5 #1-387 Acq: 22-APR-2009 21:20:58 GC EI + Voltage STR Autospec-Ultimate  
Sample#11 Text: K9LD6-1-AC : G9D030338-5(5X) Exp: 209DB5  
393.8025 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1816,0,0.00%,F,T)  
A2.15E6



File:22AP099D5 #1-497 Acq:22-APR-2009 21:20:58 GC BI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text:K9LD6-1-AC :G9D030338-5(SX) Exp:209DB5  
 495.6856 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3.692,0,0,00%,F,T)  
 100 %



Run text: K9LD7-1-AC      Sample text: K9LD7-1-AC :G9D030338-6(5X)  
 Run #15 Filename: 22AP099D5    S: 12    I: 1      Results: 22ap099d51668msldec7  
 Acquired: 22-APR-09    22:12:22      Processed: 30-APR-09    11:16:51  
 Run: 22AP099D5      Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.18 g

RL=10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	26092100	0.65 y	24:48	-	1.05	-	-	n
13C-TCB-81	21042400	0.78 y	26:22	0.95	167.26	0.47	85.1	n
TCB-81	324787	0.69 y	26:22	1.28	2.37 < RL	0.51	-	n
13C-TCB-77	21980410	0.81 y	26:56	0.98	168.47	0.45	85.8	n
TCB-77	2210329	0.75 y	26:57	1.10	17.90 NDG	0.58	-	n
13C-PeCB-123	17318360	0.62 y	28:18	0.87	149.63	0.10	76.2	n
PeCB-123	1913244	0.60 y	28:20	1.51	14.38 < NDG	0.76	-	y
13C-PeCB-118	25237700	0.66 y	28:26	0.98	193.02	0.09	98.2	n
PeCB-118/106	16428250	0.60 y	28:27	1.53	83.69 ✓	0.54	-	y
13C-PeCB-114	18418420	0.67 y	29:05	0.97	143.51	0.09	73.0	n
PeCB-114	334222	0.65 y	29:05	1.59	2.25 < RL	0.69	-	n
13C-PeCB-105	17428550	0.66 y	29:57	0.90	146.26	0.10	74.4	n
PeCB-105/127	7680880	0.58 y	29:58	1.42	60.88 ✓	0.82	-	n
13C-PeCB-126	19735510	0.63 y	31:51	0.91	163.03	0.10	83.0	n
PeCB-126	403468	0.70 y	31:52	1.17	3.42 < RL	0.90	-	n
13C-OcCB-202	23490400	0.84 y	34:07	-	0.90	-	-	n
13C-HxCB-167	22644930	1.27 y	32:59	0.84	225.05	0.63	114.5	n
HxCB-167	1748937	1.25 y	33:00	1.17	12.98 ✓	0.54	-	y
13C-HxCB-156	18434360	1.30 y	34:16	0.67	230.04	0.79	117.1	n
HxCB-156	4180990	1.22 y	34:17	1.45	30.68 ✓	0.56	-	n
13C-HxCB-157	19110390	1.32 y	34:35	0.71	226.12	0.75	115.1	n
HxCB-157	662991	1.14 y	34:36	1.45	4.71 < RL	0.50	-	n
13C-HxCB-169	20553740	1.25 y	36:25	0.73	234.36 L	0.73	119.3	n
HxCB-169	*	* n	NotFnd	0.99	*	0.69	-	n
13C-HpCB-180	14550300	1.10 y	35:13	0.58	<del>208.16</del>	0.29	106.0	n
HpCB-180	53332100	1.09 y	35:14	1.27	<del>569.16</del> ✓	0.47	-	n
13C-HpCB-170	11866650	1.06 y	36:53	0.47	209.20 ✓	0.36	106.5	n
HpCB-170/190	24162500	1.10 y	36:54	1.61	249.02 ✓	0.46	-	n
13C-HpCB-189	16210330	1.04 y	38:30	0.60	226.52	0.29	115.3	n
HpCB-189	802932	1.26 n	38:31	1.21	8.07 < RL	0.44	-	n
13C-DeCB-209	6333510	0.70 y	43:44	0.46	115.11	0.50	58.6	n
DECB-209	601382	0.64 y	43:44	1.50	12.40	0.68	-	n
13C-PeCB-111	19735510	0.63 y	31:51	1.36	145.81	0.10	74.2	n

VD 5.6.09

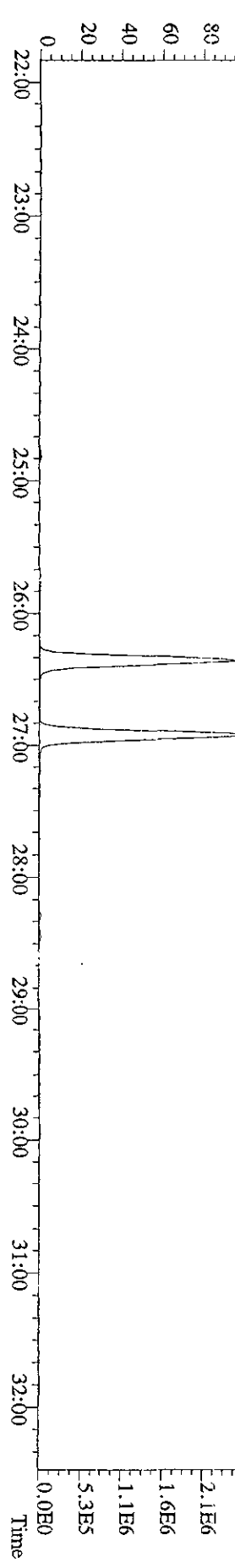
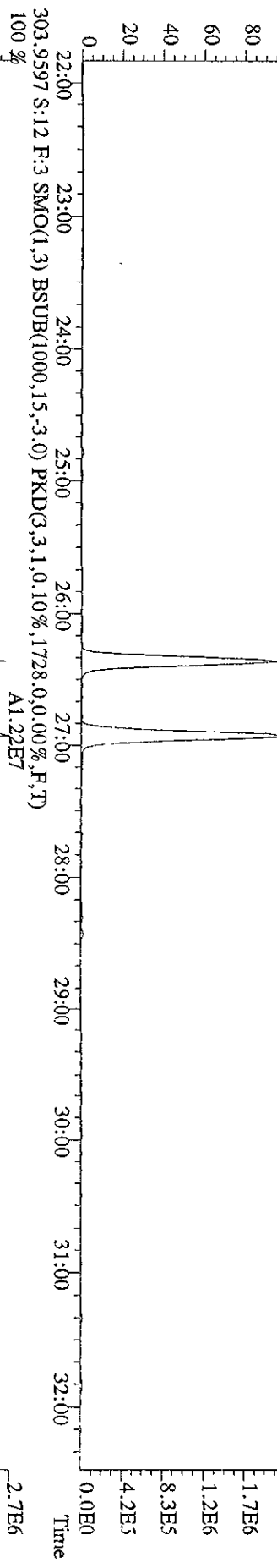
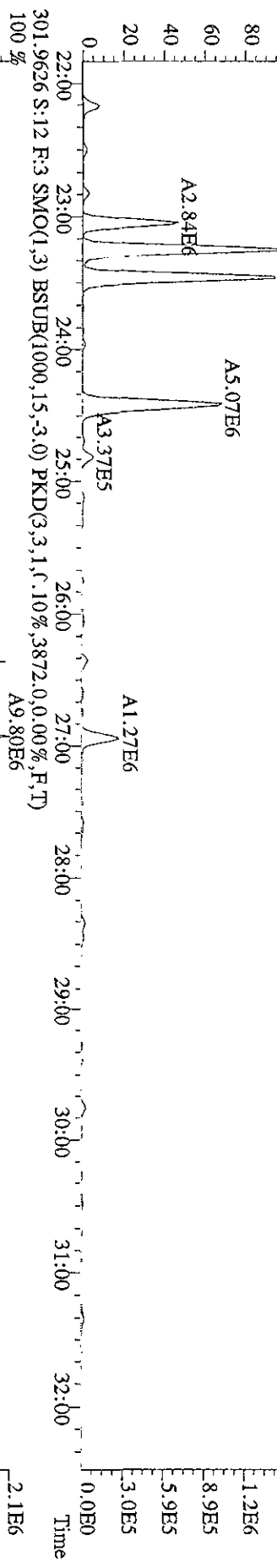
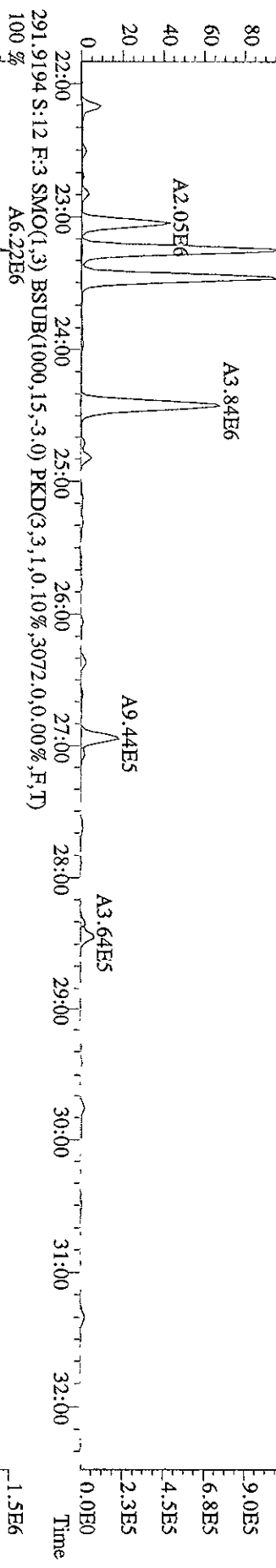
Run text: K9LD7-1-AC Sample text: K9LD7-1-AC :G9D030338-6(5X) ✓  
 Run #15 Filename: 22AP099D5 S: 12 I: 1 Results: 22AP099D51668MSLDECA  
 Acquired: 22-APR-09 22:12:22 Processed: 30-APR-09 11:16:51  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.18007g

*REC-10*

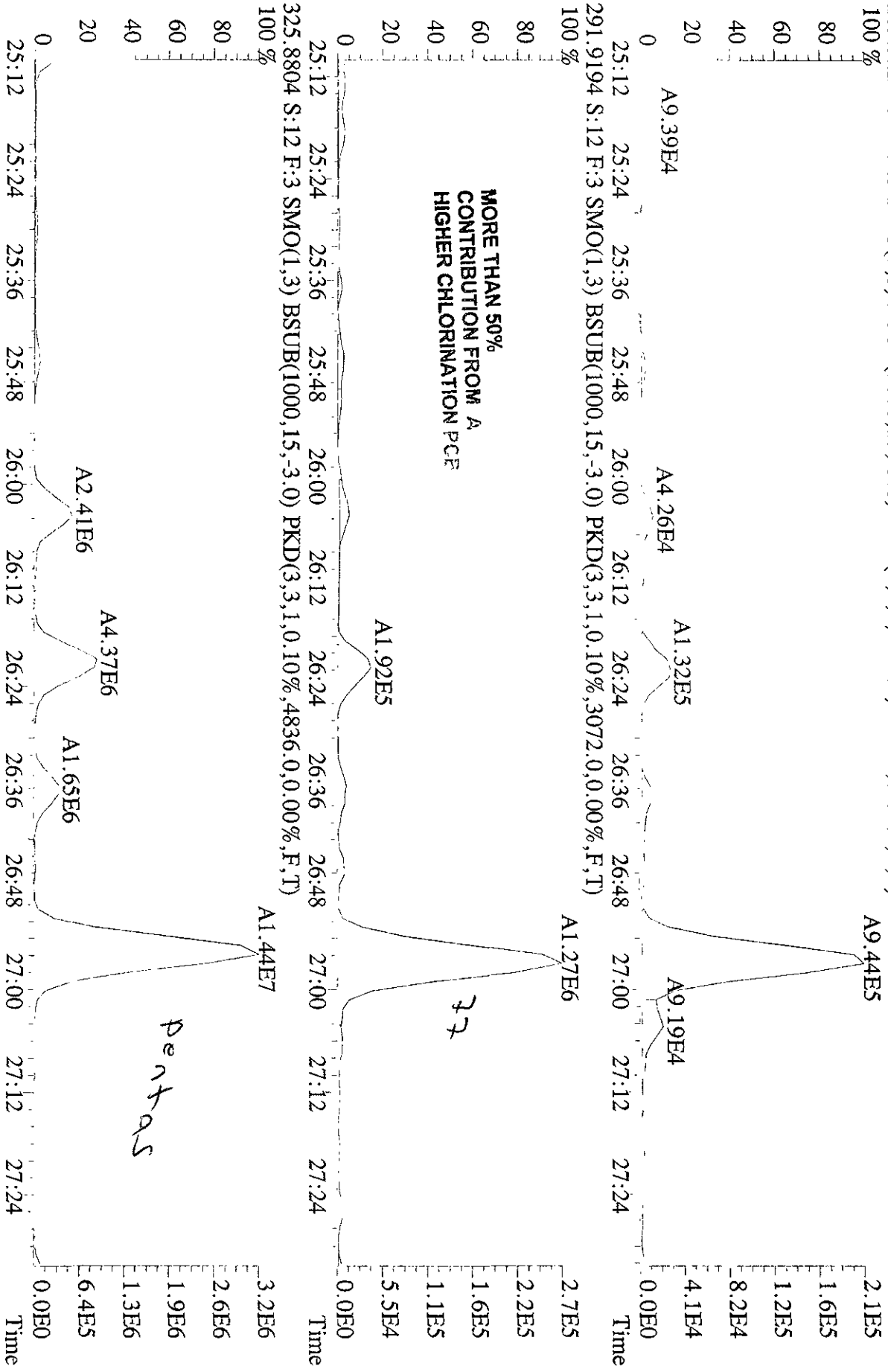
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	26092100	0.65 y	24:48	-	1.05	-	-	n
13C-TCB-81	21042400	0.78 y	26:22	0.95	167.26	0.47	85.1	n
TCB-81	324787	0.69 y	26:22	1.28	2.37 <i>← RL</i>	0.51	-	n
13C-TCB-77	21980410	0.81 y	26:56	0.98	168.47	0.45	85.8	n
TCB-77	2210329	0.75 y	26:57	1.10	17.90 <i>NDC</i>	0.58	-	n
13C-PeCB-123	26092100	0.65 y	24:48	0.87	225.44	0.10	114.7	n
PeCB-123	*	* n	NotFnd	1.51	*	0.45	-	n
13C-PeCB-118	25237700	0.66 y	28:26	0.98	193.02	0.09	98.2	n
PeCB-118/106	17663210	0.55 y	28:27	1.53	89.99 ✓	0.54	-	n
13C-PeCB-114	18418420	0.67 y	29:05	0.97	143.51	0.09	73.0	n
PeCB-114	334225	0.65 y	29:05	1.53	2.25 <i>← RL</i>	0.69	-	n
13C-PeCB-105	17428550	0.66 y	29:57	0.90	146.26	0.10	74.4	n
PeCB-105/127	7680880	0.58 y	29:58	1.42	60.88 ✓	0.82	-	n
13C-PeCB-126	19735510	0.63 y	31:51	0.91	163.03	0.10	83.0	n
PeCB-126	403469	0.70 y	31:52	1.17	3.42 <i>← RL</i>	0.90	-	n
13C-OcCB-202	23490400	0.84 y	34:07	-	0.90	-	-	n
13C-HxCB-167	22644930	1.27 y	32:59	0.84	225.05	0.63	114.5	n
HxCB-167	*	* n	NotFnd	1.17	* ✓	0.54	-	n
13C-HxCB-156	18434360	1.30 y	34:16	0.67	230.04	0.79	117.1	n
HxCB-156	4180990	1.22 y	34:17	1.45	30.68 ✓	0.56	-	n
13C-HxCB-157	19110390	1.32 y	34:35	0.71	226.12	0.75	115.1	n
HxCB-157	662991	1.14 y	34:36	1.45	4.71 <i>← RL</i>	0.50	-	n
13C-HxCB-169	20553750	1.25 y	36:25	0.73	234.36	0.72	119.3	n
HxCB-169	*	* n	NotFnd	0.99	* <i>h</i>	0.69	-	n
13C-HpCB-180	14550300	1.10 y	35:13	0.58	<del>208.16</del>	0.29	106.0	n
HpCB-180	53332100	1.09 y	35:14	1.27	<del>569.16</del>	0.47	-	n
13C-HpCB-170	11866650	1.06 y	36:53	0.47	<del>209.20</del>	0.36	106.5	n
HpCB-170/190	24162500	1.10 y	36:54	1.61	<del>249.02</del>	0.46	-	n
13C-HpCB-189	16210330	1.04 y	38:30	0.60	226.52	0.29	115.3	n
HpCB-189	802932	1.26 n	38:31	1.21	8.07 <i>← RL</i>	0.44	-	n
13C-DeCB-209	6333510	0.70 y	43:44	0.46	115.11	0.50	58.6	n
DECB-209	601382	0.64 y	43:44	1.50	12.40	0.68	-	n
13C-PeCB-111	19735510	0.63 y	31:51	1.36	131.13	0.09	66.7	n



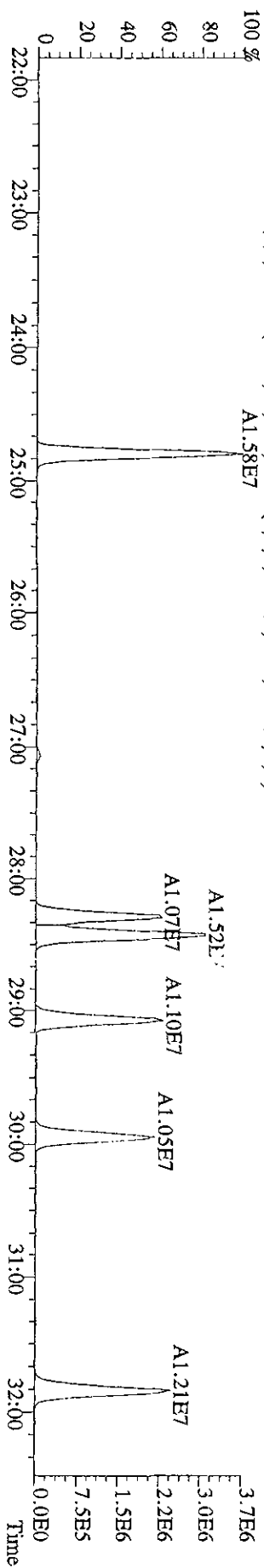
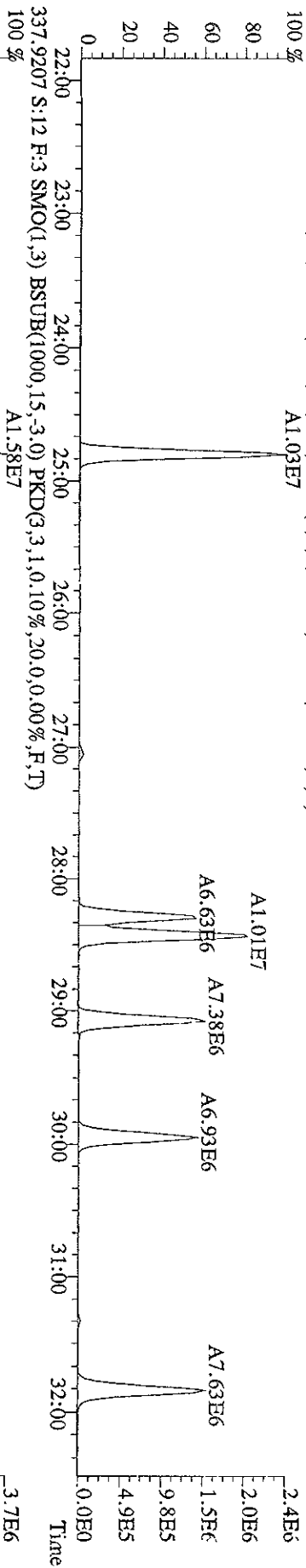
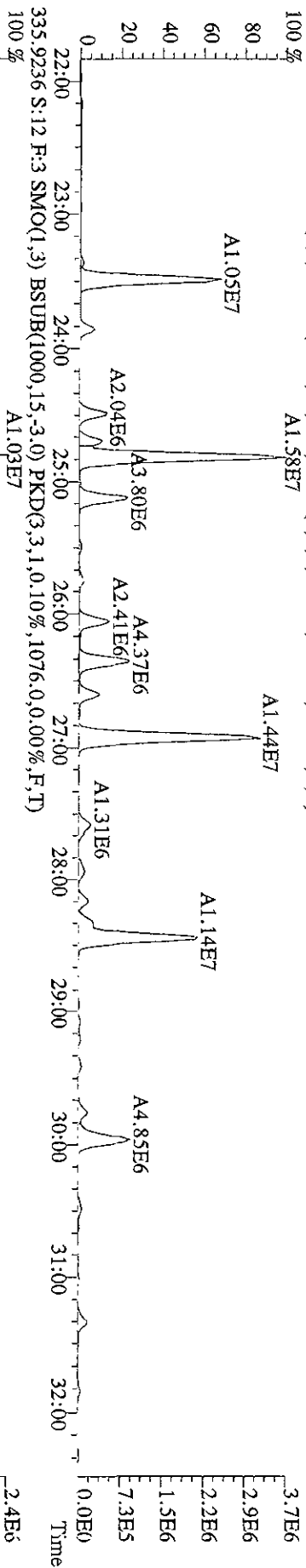
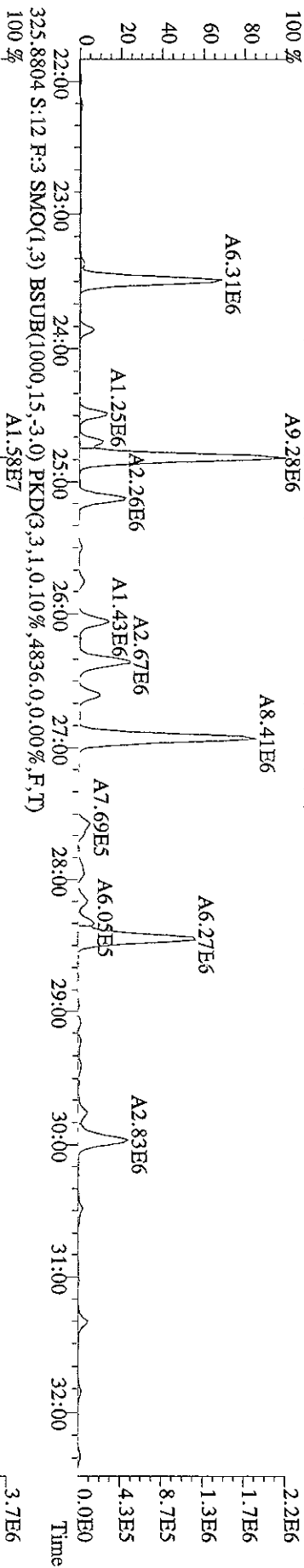
File: 22AP099D5 #1-600 Acq: 22-APR-2009 22:12:22 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text: K9LD7-1-AC : G9D030338-6(5X) Exp: 209DB5  
 289,9224 S:12 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3104,0,0,00%,F,T)  
 100 %



File:22AP099D5 #1-600 Acq:22-APR-2009 22:12:22 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text:K9LD7-1-AC :G9D030338-6( Exp:209DB5  
 289.9224 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3104.0,0.00%,F,T)

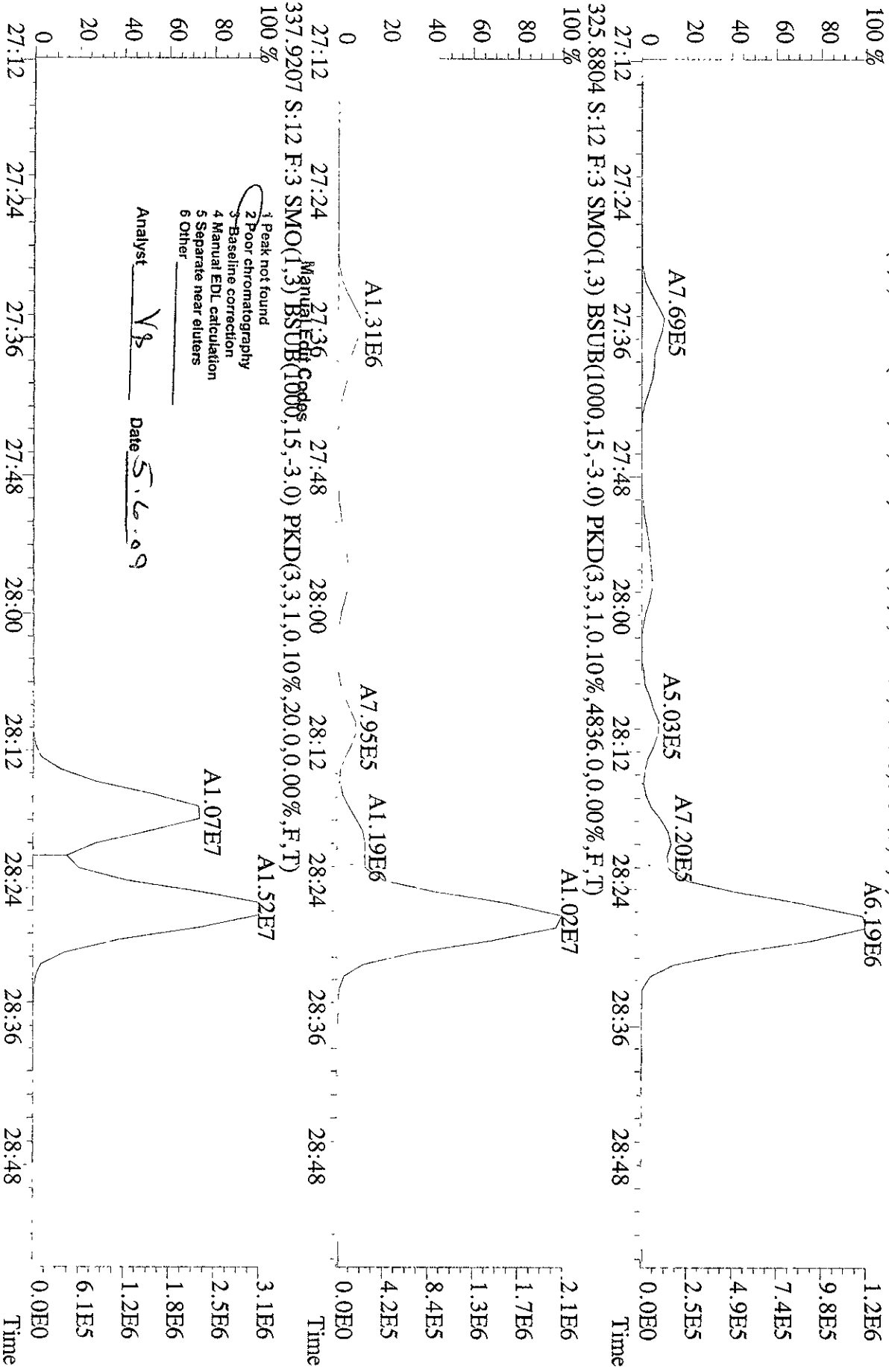


File:22AP099D5 #1-600 Acq:22-APR-2009 22:12:22 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text:K9LD7-1-AC :G9D030338-6(5X) Exp:209DB5  
 323.8834 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3624,0,0,00%,F,T)  
 100 % A9.28E6

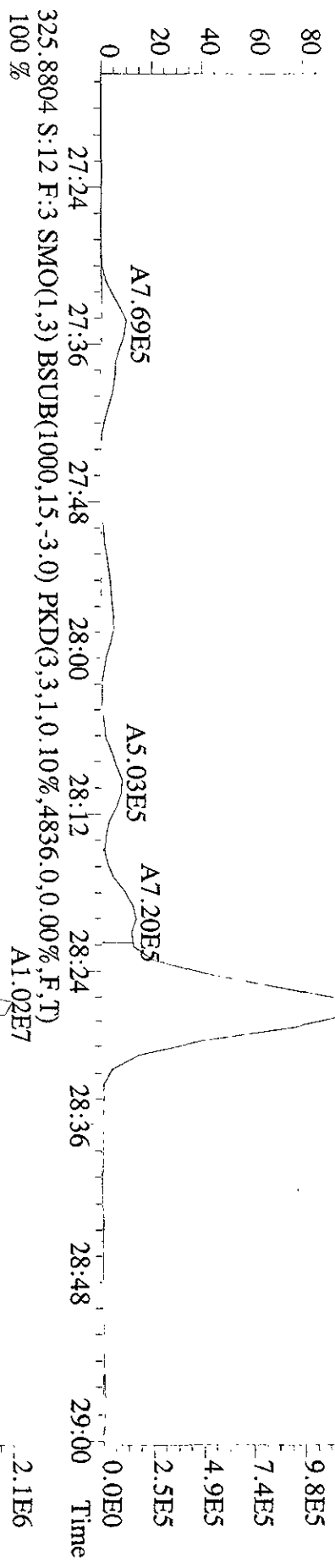


Sample#12 Text:K9L1D7-1-AC :G9D030338-6 ( Exp:209DB5

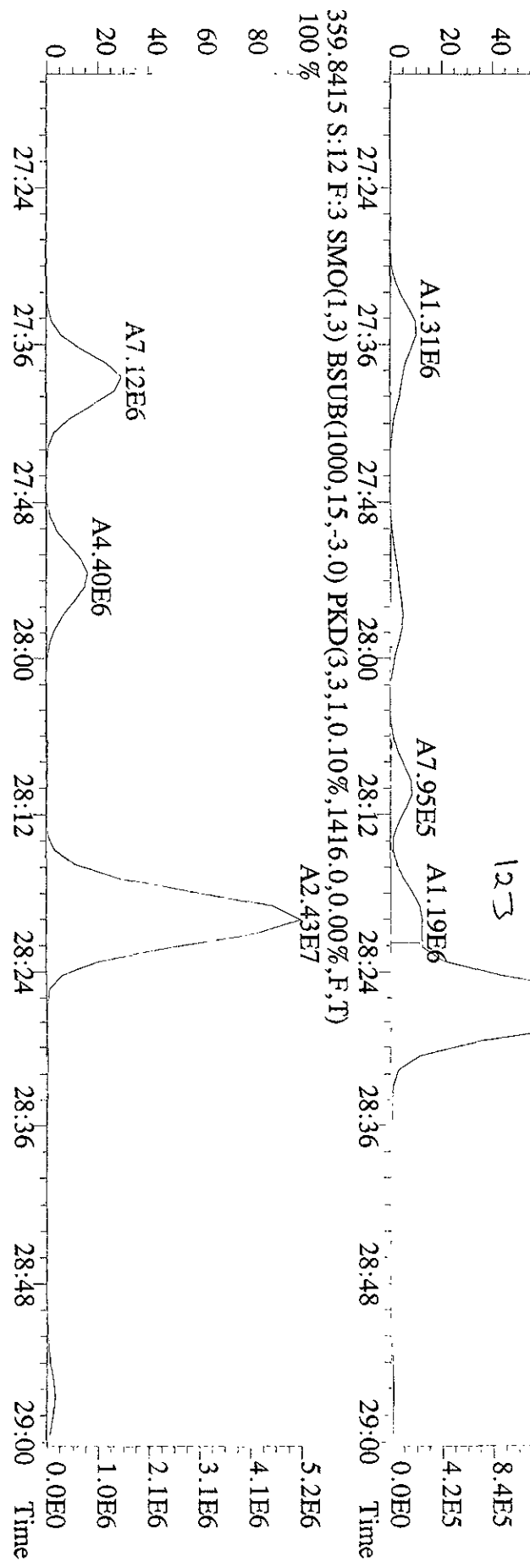
323.8834 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3624,0,0.00%,F,T)



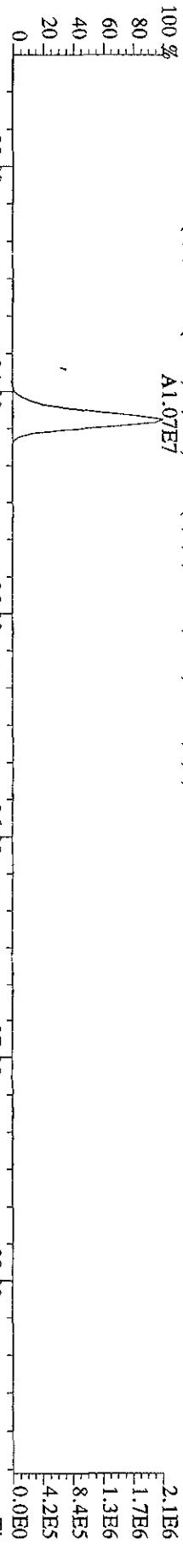
File: 22AP099D5 #1-600 Acq: 22-APR-2009 22:12:22 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text: K9LD7-1-AC : G9D030338-6( Exp: 209DB5  
 323.8834 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3624.0,0.00%,F,T)  
 100%



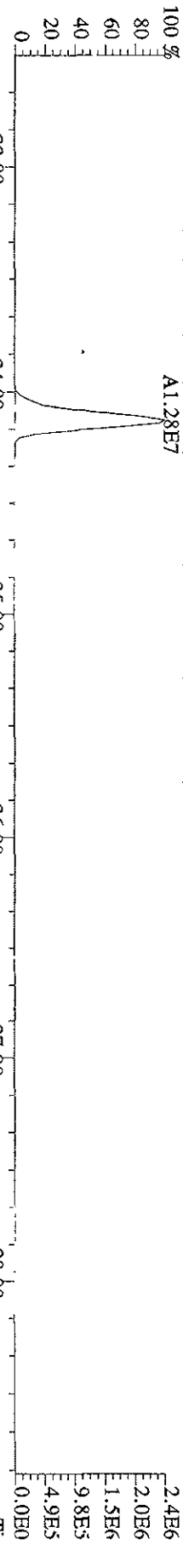
MORE THAN 50%  
 CONTRIBUTION FROM A  
 HIGHER CHLORINATION PCB



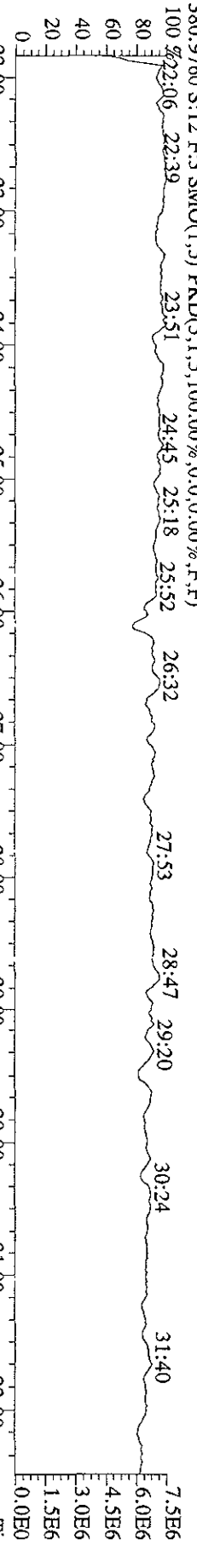
File: 22AP099D5 #1-388 Acq: 22-APR-2009 22:12:22 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text: K9LD7-1-AC : G9D030338-6(5X) Exp: 209DB5  
 439.8038 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,24,0,0,00%,F,T)  
 100% A1.07E7



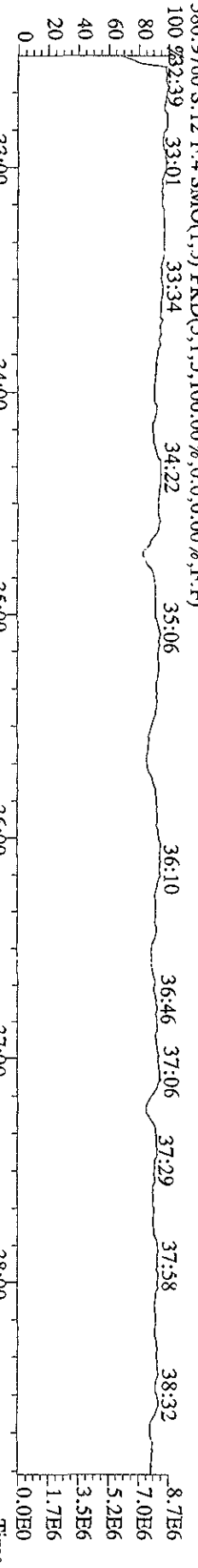
441.8008 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,16,0,0,00%,F,T)  
 100% A1.28E7



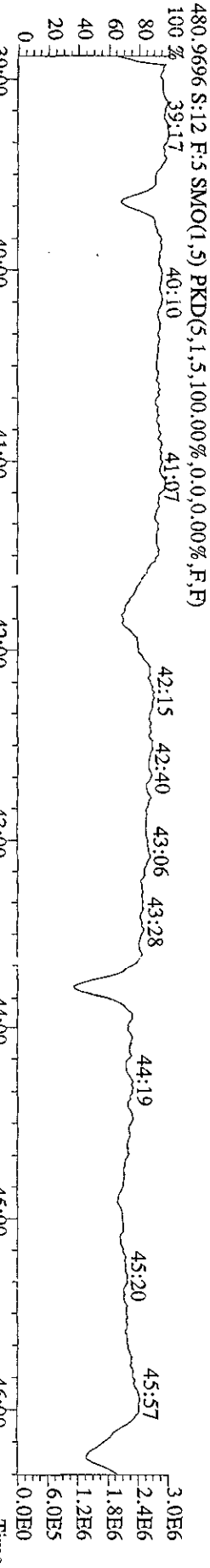
380.9760 S:12 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 22:06 22:39 23:51 24:45 25:18 25:52 26:32 27:53 28:47 29:20 30:24 31:40



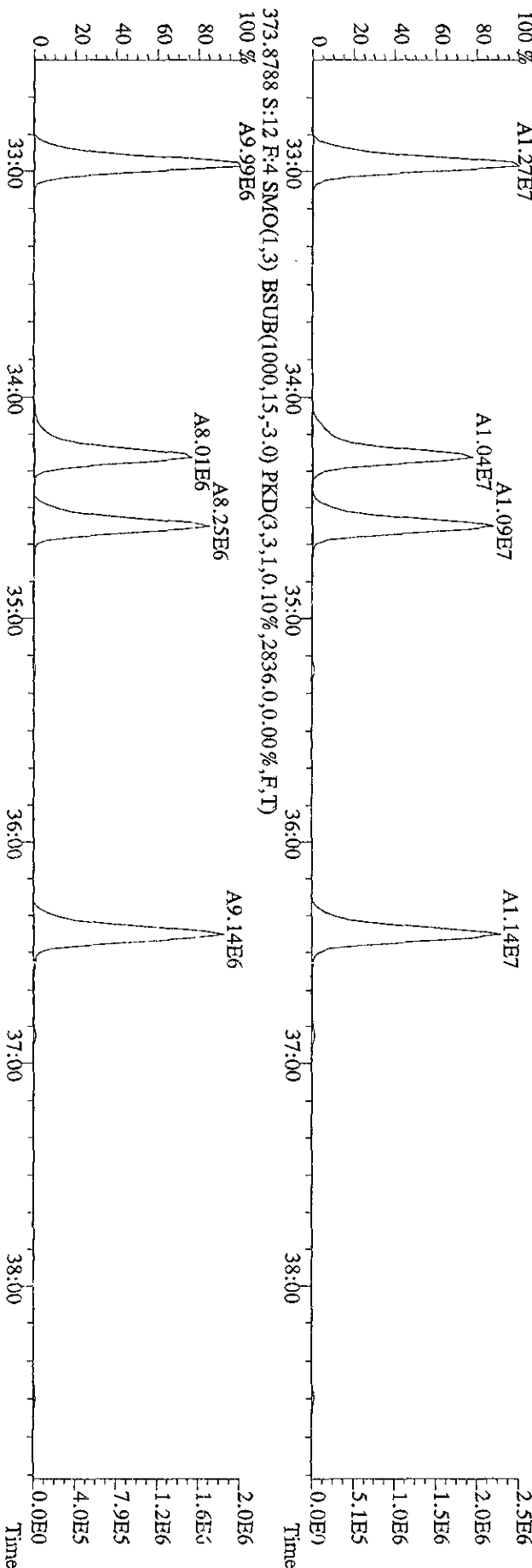
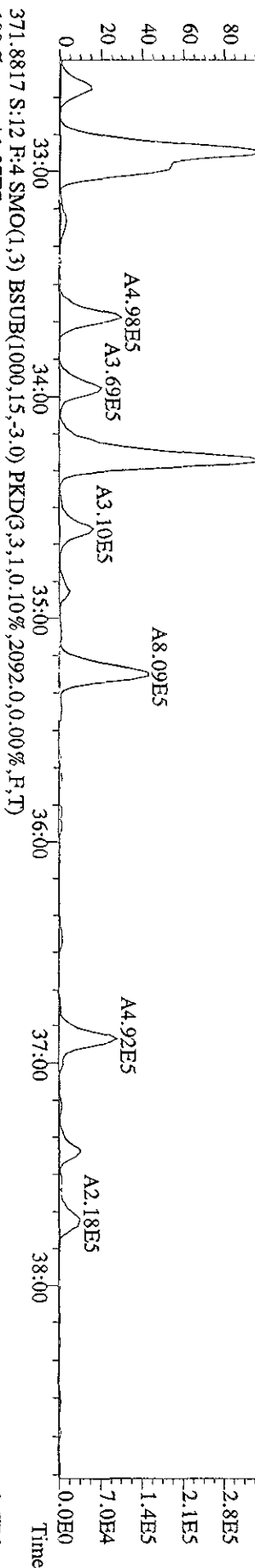
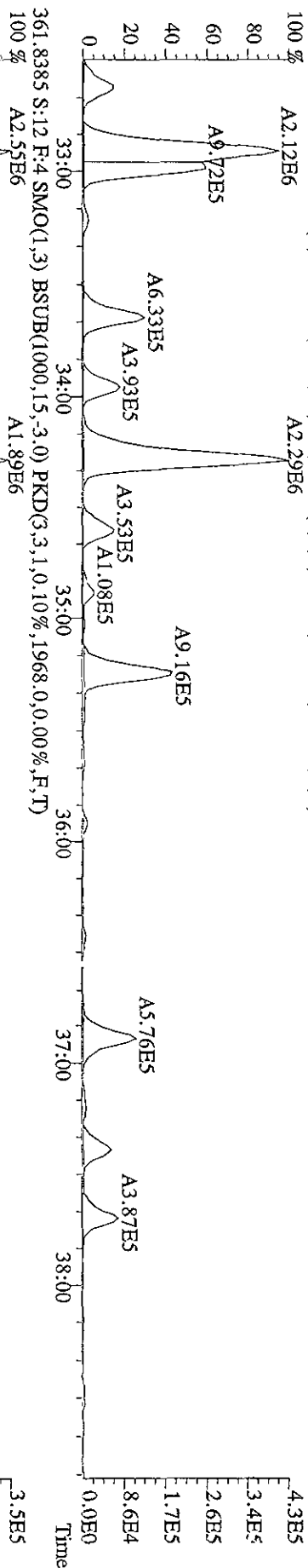
380.9760 S:12 F:4 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 22:39 33:01 33:34 34:22 35:06 36:10 36:46 37:06 37:29 37:58 38:32



480.9696 S:12 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 39:17 40:10 41:07 42:15 42:40 43:06 43:28 44:19 45:20 45:57



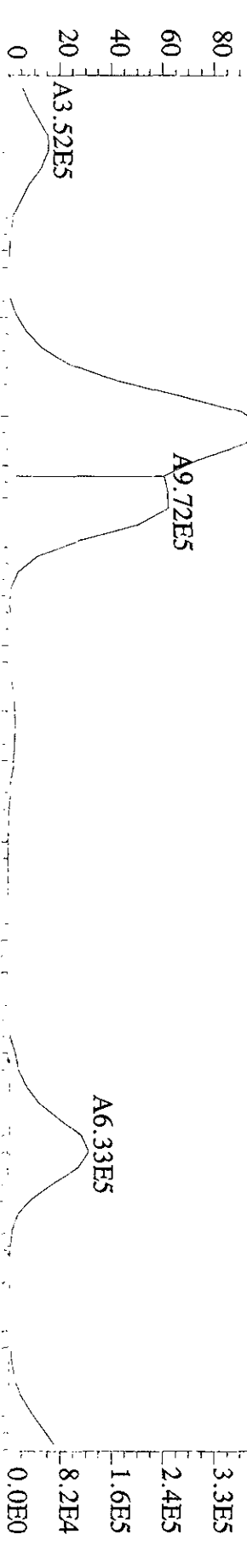
File:22AP099D5 #1-388 Acq:22-APR-2009 22:12:22 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text:K9LD7-1-AC :G9D030338-6(5X) Exp:209DB5  
 359.8415 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3768,0,0,00%,F,T)  
 100%



Sample#12 Text: K9LD7-1-AC :G9D030338-6( Exp:209DB5

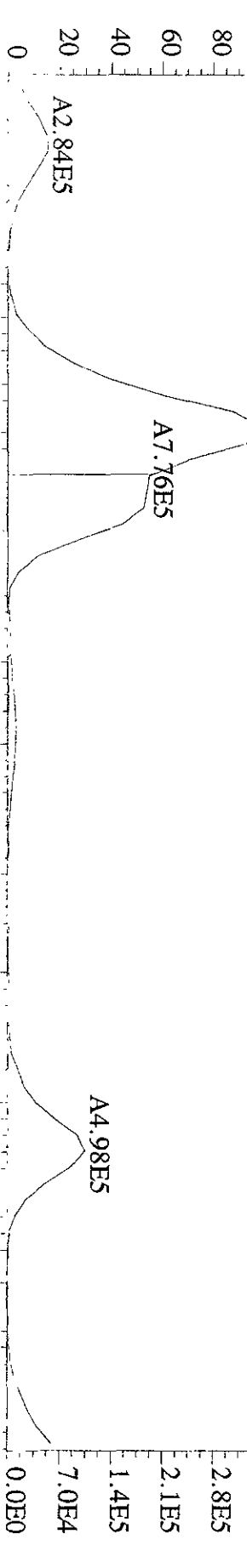
359.8415 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3768.0,0.00%,F,T)

100% A2.12E6



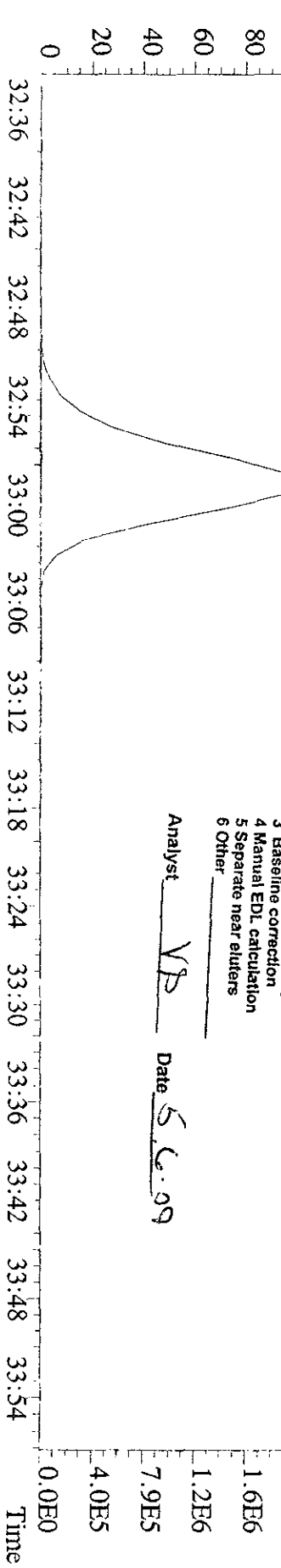
361.8385 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1968.0,0.00%,F,T)

100% A1.80E6



373.8788 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2836.0,0.00%,F,T)

100% A9.99E6

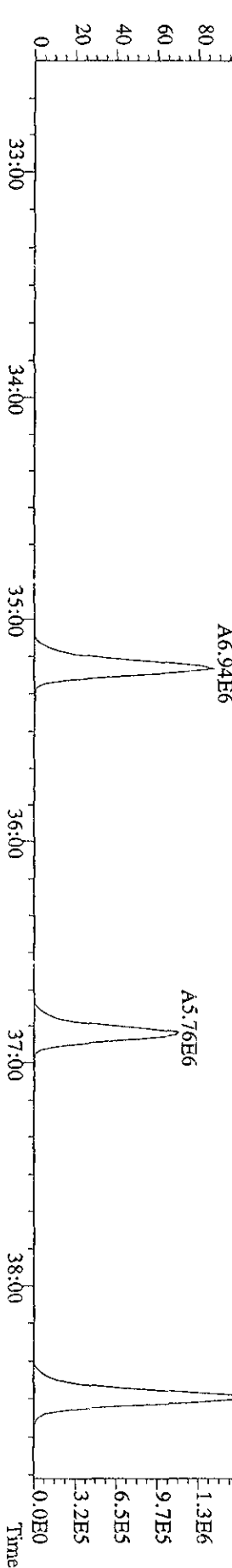
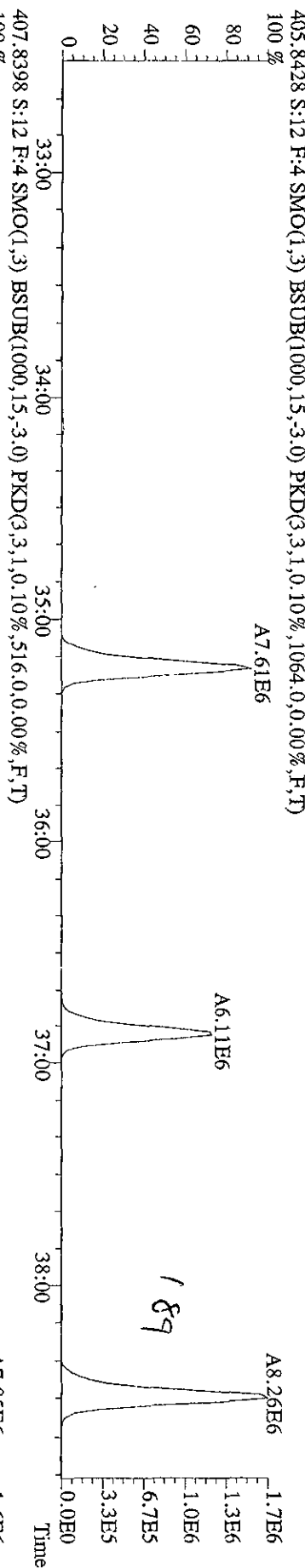
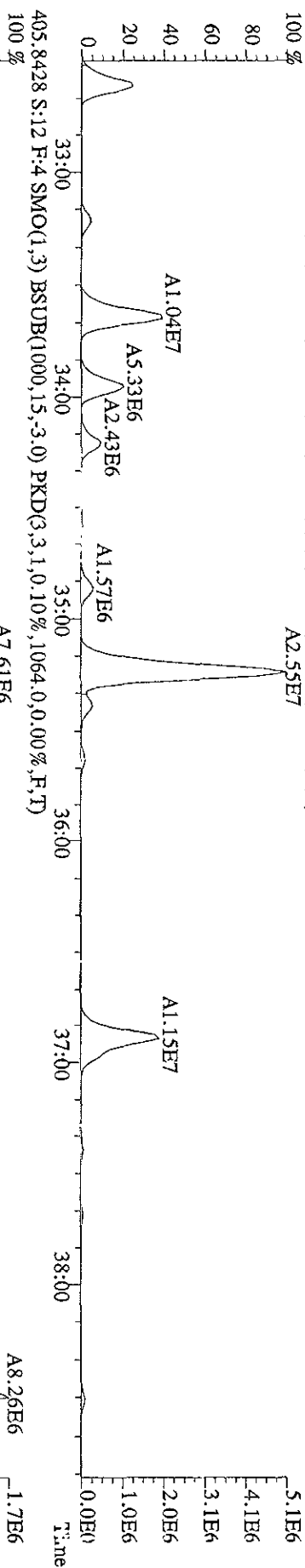
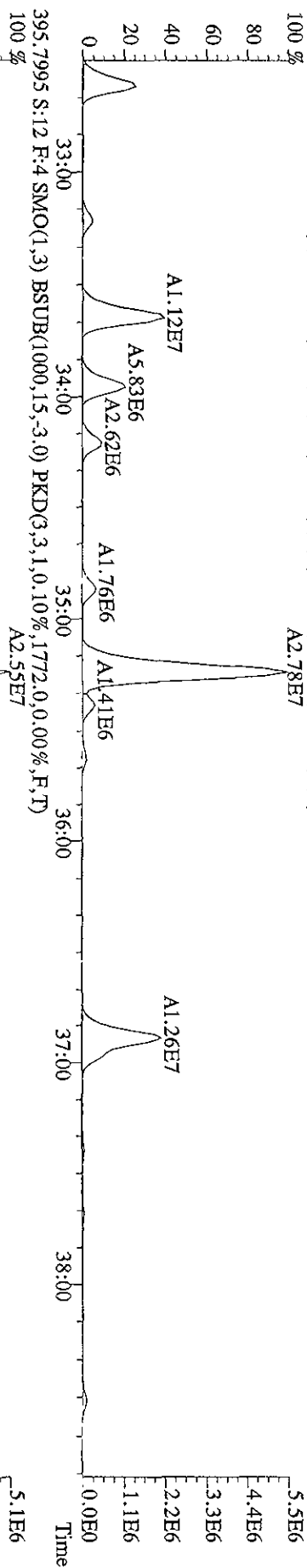


- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

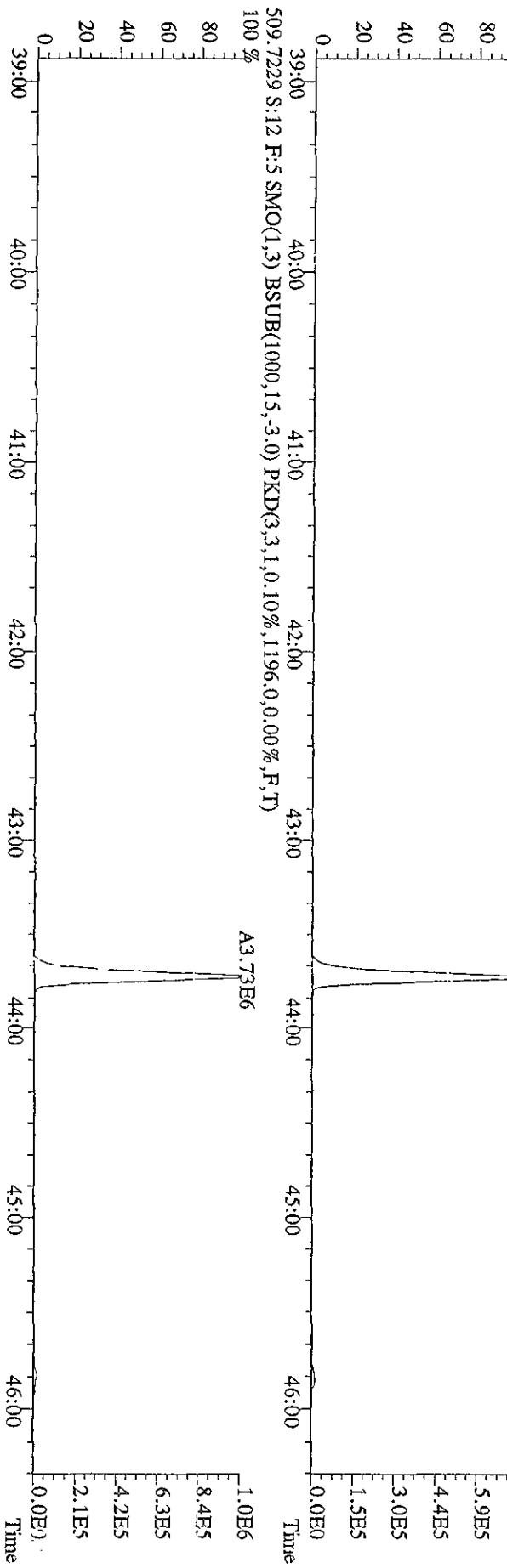
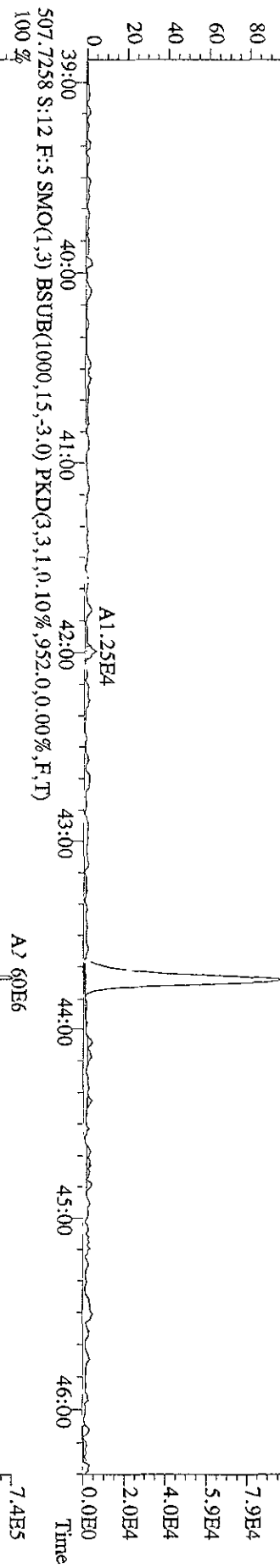
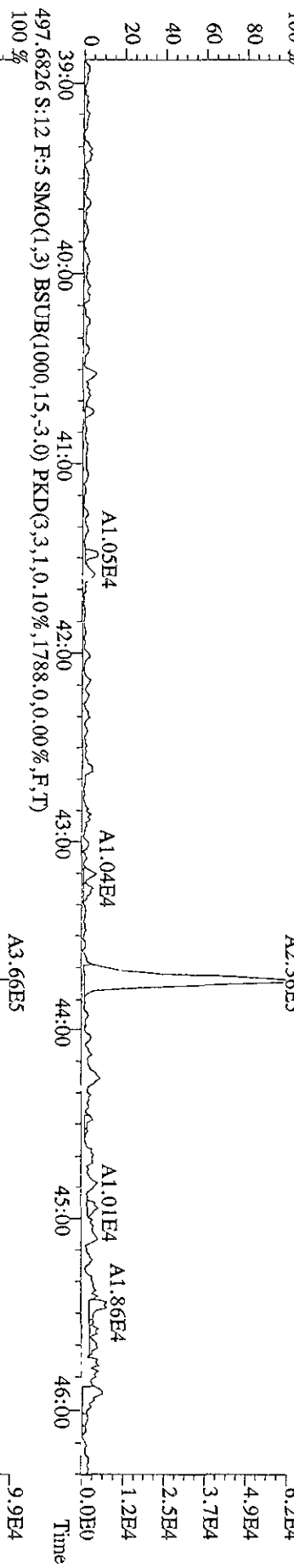
Analyst VP Date 5.6.09



File: 22AP099D5 #1-388 Acq: 22-APR-2009 22:12:22 GC EI+ Voltage S1R Autospec-UltimaB  
 Sample#12 Text: K9LD7-1-AC : G9D030338-6(5X) Exp: 209DB5  
 393.8025 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1784.0,0.00%,F,T)  
 100%



File:22AP099D5 #1-496 Acq:22-APR-2009 22:12:22 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text:K9LD7-1-AC :G9D030338-6(5X) Exp:209DB5  
 495.6856 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1908.0,0.00%,F,T)  
 100 %



Run text: K9LD7-1-AD      Sample text: K9LD7-1-AD :G9D030338-6S(5X)  
 Run #16 Filename: 22AP099D5    S: 13    I: 1      Results: 22ap099d51668msldec7  
 Acquired: 22-APR-09    23:03:45      Processed: 30-APR-09    11:16:52  
 Run: 22AP099D5      Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.09 g

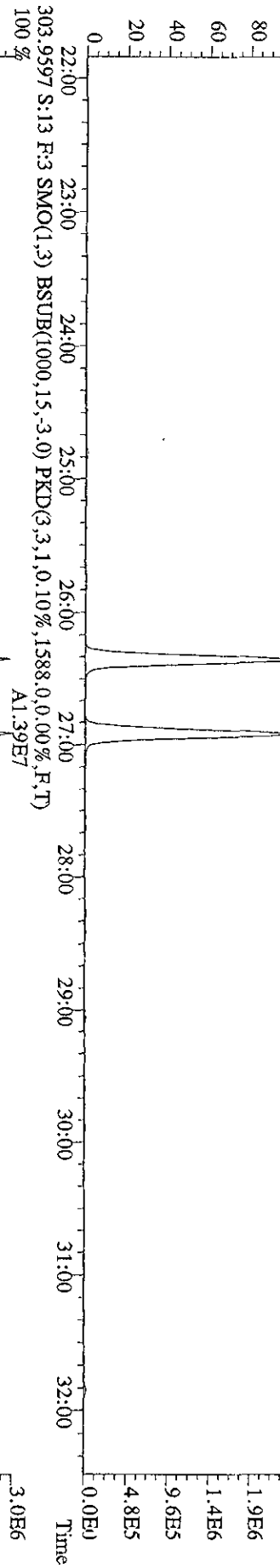
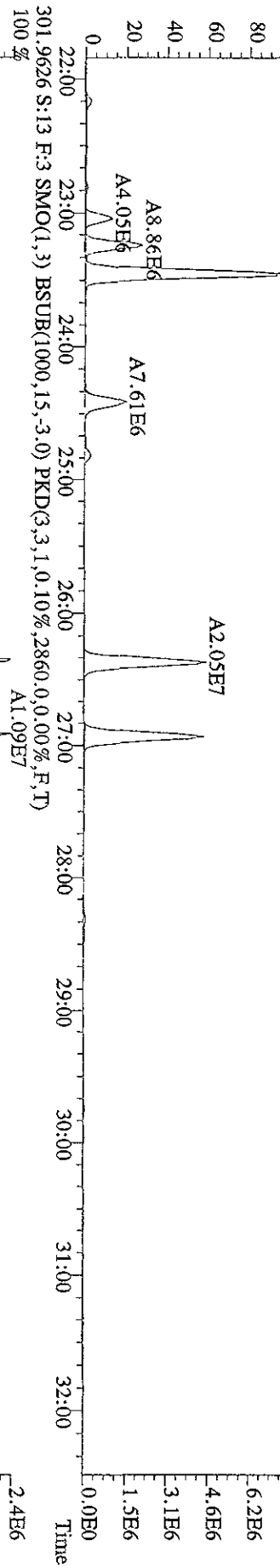
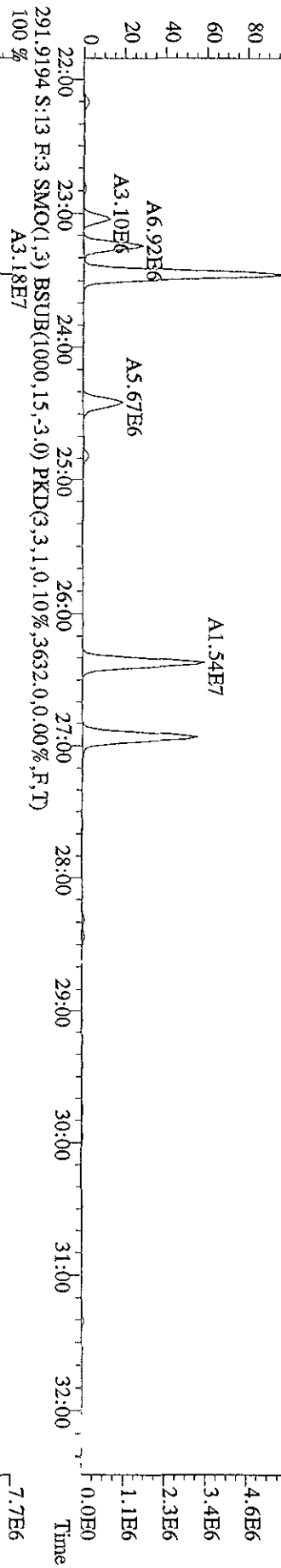
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	25934000	0.66 y	24:47	-	1.05	-	-	n
13C-TCB-81	24141600	0.83 y	26:21	0.95	194.78	0.39	98.3	n
TCB-81	35906200	0.75 y	26:22	1.28	230.63	0.55	-	n
13C-TCB-77	24783500	0.78 y	26:55	0.98	192.82	0.38	97.3	n
TCB-77	35038700	0.73 y	26:56	1.10	253.96	0.63	-	n
13C-PeCB-123	19923460	0.62 y	28:17	0.87	174.74	0.07	88.2	n
PeCB-123	42520100	0.60 y	28:18	1.51	280.33	1.25	-	n
13C-PeCB-118	24192000	0.67 y	28:25	0.98	187.81	0.06	94.7	n
PeCB-118/106	63746900	0.61 y	28:26	1.53	341.82	1.01	-	n
13C-PeCB-114	21036220	0.66 y	29:04	0.97	166.38	0.06	83.9	n
PeCB-114	43837800	0.60 y	29:05	1.59	260.53	1.16	-	n
13C-PeCB-105	19455580	0.66 y	29:57	0.90	165.73	0.07	83.6	n
PeCB-105/127	47552900	0.59 y	29:58	1.42	340.64	1.43	-	n
13C-PeCB-126	21977770	0.64 y	31:51	0.91	184.28	0.07	91.0	n
PeCB-126	32856100	0.60 y	31:52	1.17	252.58	1.60	-	n
13C-OcCB-202	22374990	0.78 y	34:08	-	0.86	-	-	n
13C-HxCB-167	25025700	1.27 y	32:58	0.84	263.44	0.58	132.9	n
HxCB-167	33390700	1.29 y	32:59	1.17	226.26	0.59	-	n
13C-HxCB-156	20567790	1.30 y	34:15	0.67	271.86	0.73	137.2	n
HxCB-156	40565400	1.26 y	34:16	1.45	269.19	0.60	-	n
13C-HxCB-157	20957000	1.25 y	34:34	0.71	262.66	0.69	132.5	n
HxCB-157	35328800	1.29 y	34:36	1.45	231.01	0.59	-	n
13C-HxCB-169	23015000	1.27 y	36:24	0.73	277.96	0.67	140.2	n
HxCB-169	25452200	1.30 y	36:25	0.99	221.60	0.78	-	n
13C-HpCB-180	16213250	1.07 y	35:12	0.58	245.68	0.24	123.9	n
HpCB-180	97271100	1.08 y	35:13	1.27	939.92	0.46	-	n
13C-HpCB-170	13242340	1.03 y	36:52	0.47	247.28	0.30	124.8	n
HpCB-170/190	57252100	1.08 y	36:53	1.61	533.46	0.44	-	n
13C-HpCB-189	17734730	1.06 y	38:29	0.60	262.49	0.24	132.4	n
HpCB-189	23169700	1.08 y	38:30	1.21	214.66	0.43	-	n
13C-DeCB-209	6519770	0.75 y	43:43	0.46	125.52	0.45	63.3	n
DECB-209	10443950	0.71 y	43:44	1.50	211.01	0.77	-	n
13C-PeCB-111	21977770	0.64 y	31:51	1.36	151.81	0.06	76.6	n

Vp 5.6.09

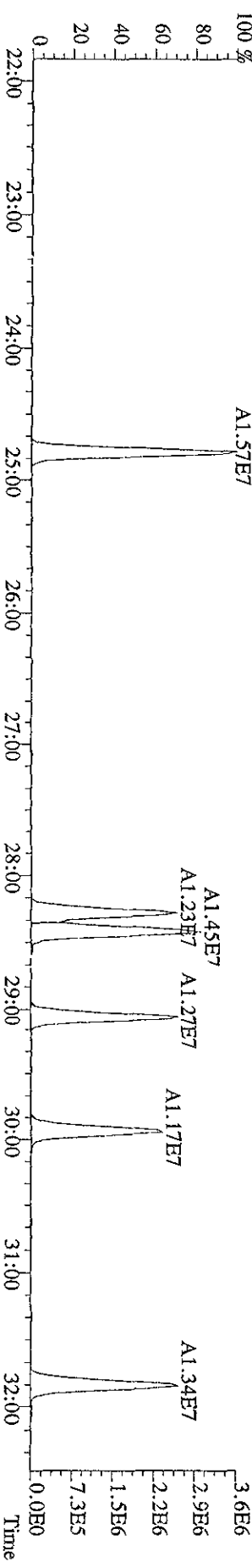
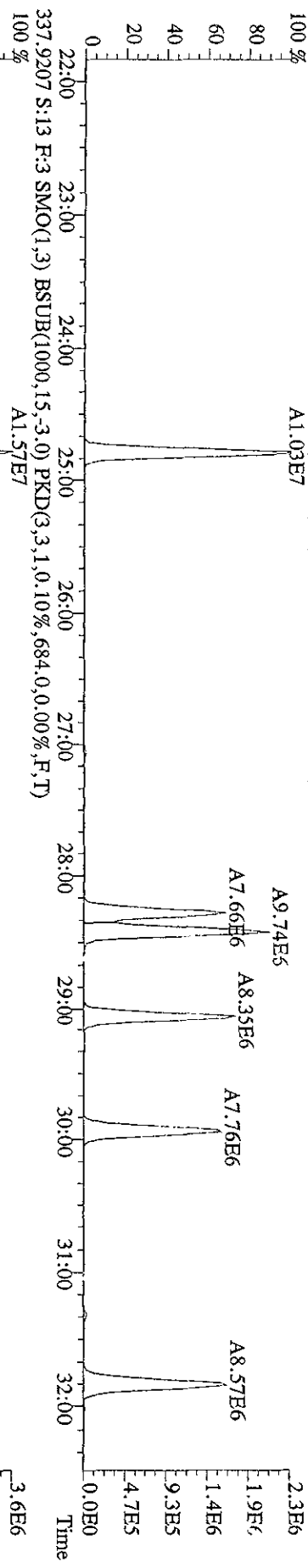
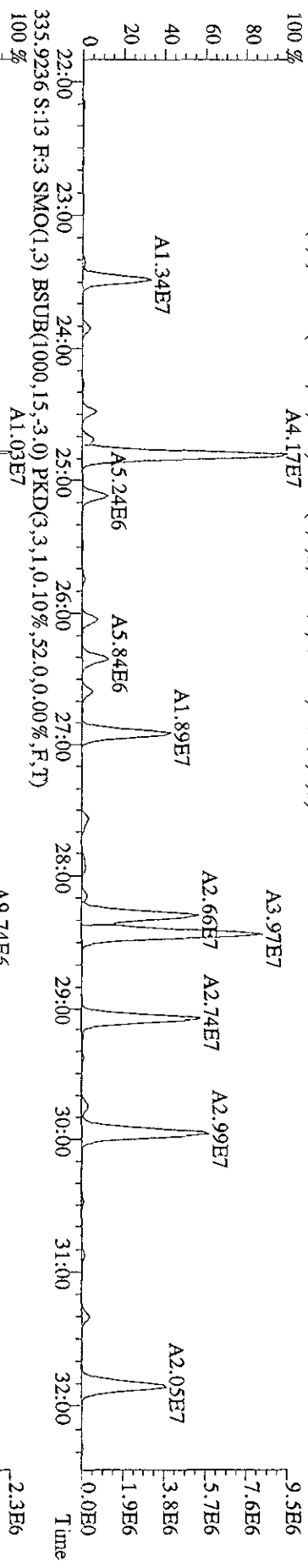
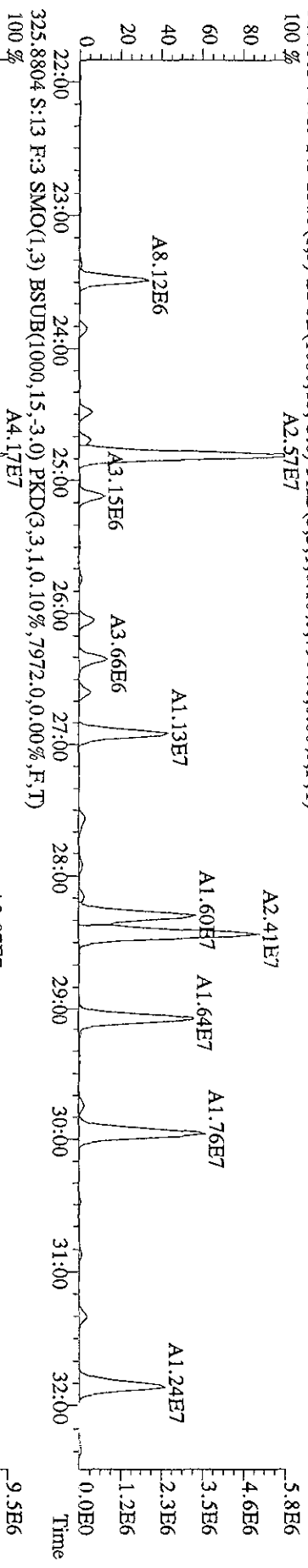
Run text: K9LD7-1-AD Sample text: K9LD7-1-AD :G9D030338-6S(5X) ✓  
 Run #16 Filename: 22AP099D5 S: 13 I: 1 Results: 22AP099D51668MSLDECA  
 Acquired: 22-APR-09 23:03:45 Processed: 30-APR-09 11:16:52  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.0900g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	25934000	0.66 y	24:47	-	1.05	-	-	n
13C-TCB-81	24141600	0.83 y	26:21	0.95	194.78	0.39	98.3	n
TCB-81	35906200	0.75 y	26:22	1.28	230.63	0.55	-	n
13C-TCB-77	24783500	0.78 y	26:55	0.98	192.82	0.38	97.3	n
TCB-77	35038700	0.73 y	26:56	1.10	253.96	0.63	-	n
13C-PeCB-123	25934000	0.66 y	24:47	0.87	227.45	0.07	114.7	n
PeCB-123	42520100	0.60 y	28:18	1.51	215.36	0.88	-	n
13C-PeCB-118	24192000	0.67 y	28:25	0.98	187.81	0.06	94.7	n
PeCB-118/106	63746900	0.61 y	28:26	1.53	341.82	1.01	-	n
13C-PeCB-114	21036220	0.66 y	29:04	0.97	166.38	0.06	83.9	n
PeCB-114	43837800	0.60 y	29:05	1.59	260.53	1.16	-	n
13C-PeCB-105	19455580	0.66 y	29:57	0.90	165.73	0.07	83.6	n
PeCB-105/127	47552900	0.59 y	29:58	1.42	340.64	1.43	-	n
13C-PeCB-126	21977770	0.64 y	31:51	0.91	184.28	0.07	93.0	n
PeCB-126	32856100	0.60 y	31:52	1.17	252.58	1.60	-	n
13C-OcCB-202	22374990	0.78 y	34:08	-	0.86	-	-	n
13C-HxCB-167	25025700	1.27 y	32:58	0.84	263.44	0.58	132.9	n
HxCB-167	33390700	1.29 y	32:59	1.17	226.26	0.59	-	n
13C-HxCB-156	20567790	1.30 y	34:15	0.67	271.86	0.73	137.2	n
HxCB-156	40565400	1.26 y	34:16	1.45	269.19	0.60	-	n
13C-HxCB-157	20957000	1.25 y	34:34	0.71	262.66	0.69	132.5	n
HxCB-157	35328800	1.29 y	34:36	1.45	231.01	0.59	-	n
13C-HxCB-169	23015000	1.27 y	36:24	0.73	277.96	0.67	140.2	n
HxCB-169	25452200	1.30 y	36:25	0.99	221.60	0.78	-	n
13C-HpCB-180	16213250	1.07 y	35:12	0.58	245.68	0.24	123.9	n
HpCB-180	97271100	1.08 y	35:13	1.27	939.92	0.46	-	n
13C-HpCB-170	13242340	1.03 y	36:52	0.47	247.28	0.30	124.8	n
HpCB-170/190	57252100	1.08 y	36:53	1.61	533.46	0.44	-	n
13C-HpCB-189	17734730	1.06 y	38:29	0.60	262.49	0.24	132.4	n
HpCB-189	23169700	1.08 y	38:30	1.21	214.66	0.43	-	n
13C-DeCB-209	6519770	0.75 y	43:43	0.46	125.52	0.45	63.3	n
DECB-209	10443950	0.71 y	43:44	1.50	211.01	0.77	-	n
13C-PeCB-111	21977770	0.64 y	31:51	1.36	141.74	0.06	71.5	n

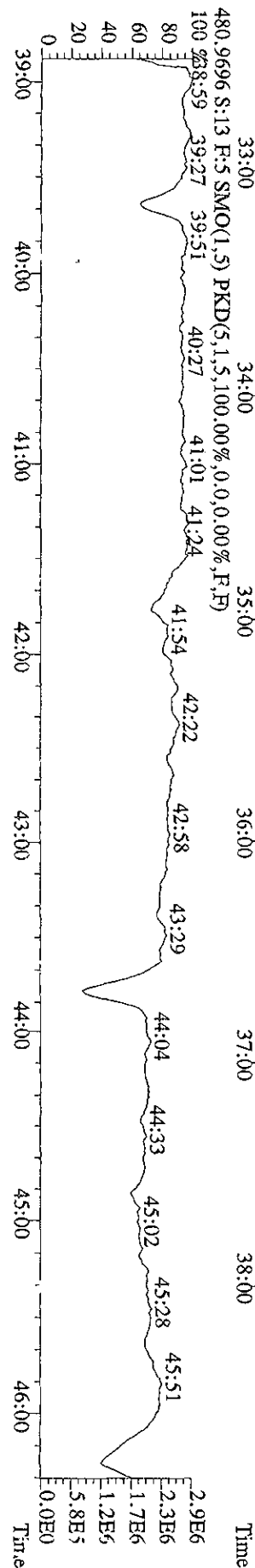
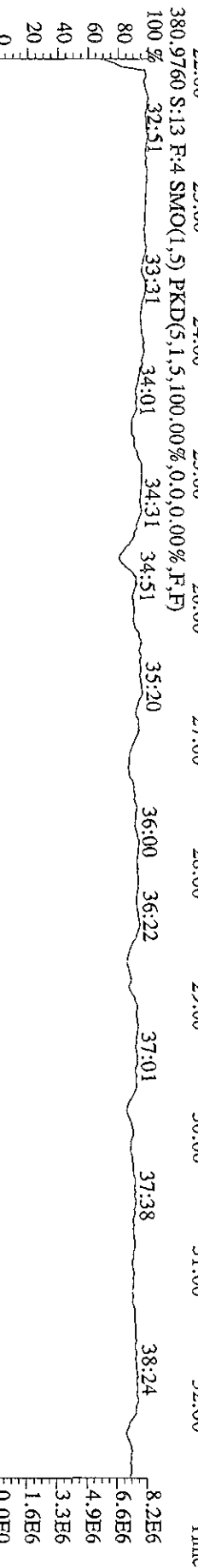
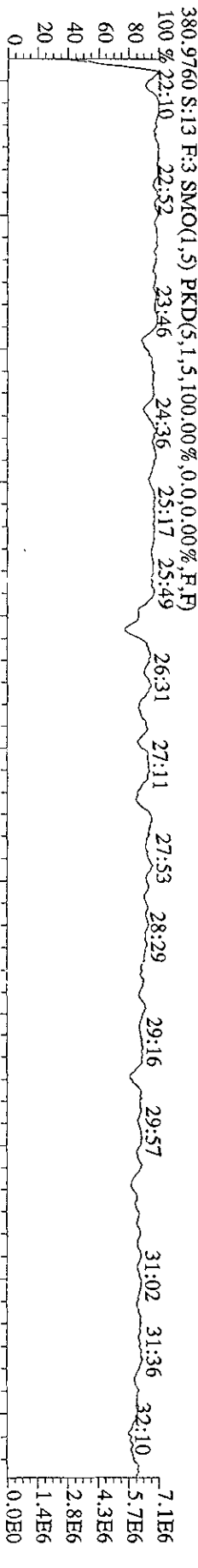
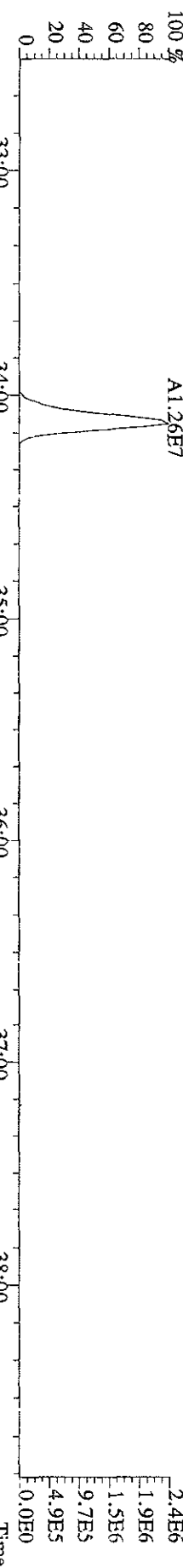
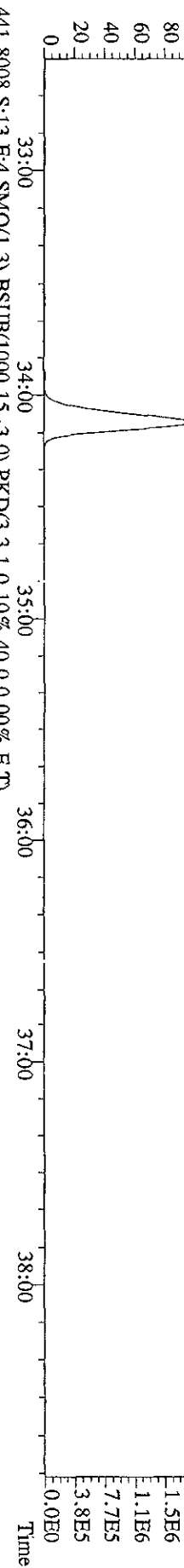
File:22AP099D5 #1-600 Acq:22-APR-2009 23:03:45 GC EI+ \ voltage SIR Autospec-UltimaE  
 Sample#13 Text:K9LD7-1-AD :G9D030338-6S(5X) Exp:209DB5  
 289.9224 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3932.0,0.00%,F,T)  
 100 % A2.39E7

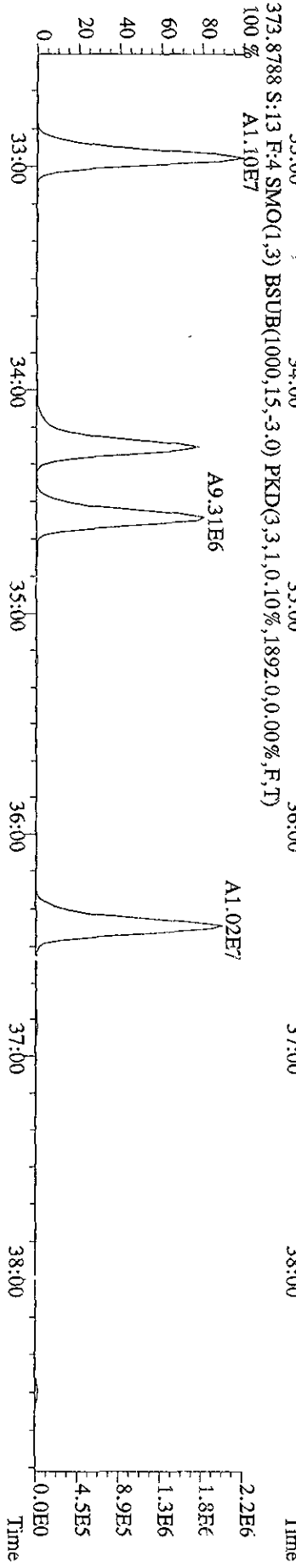
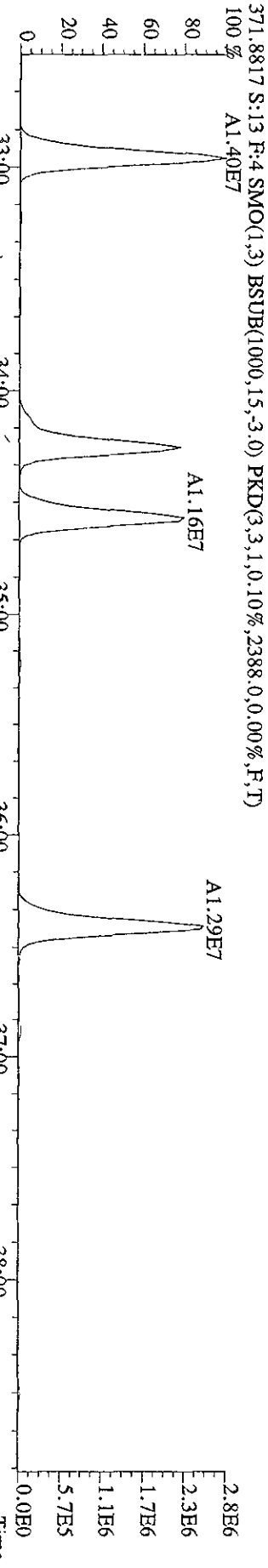
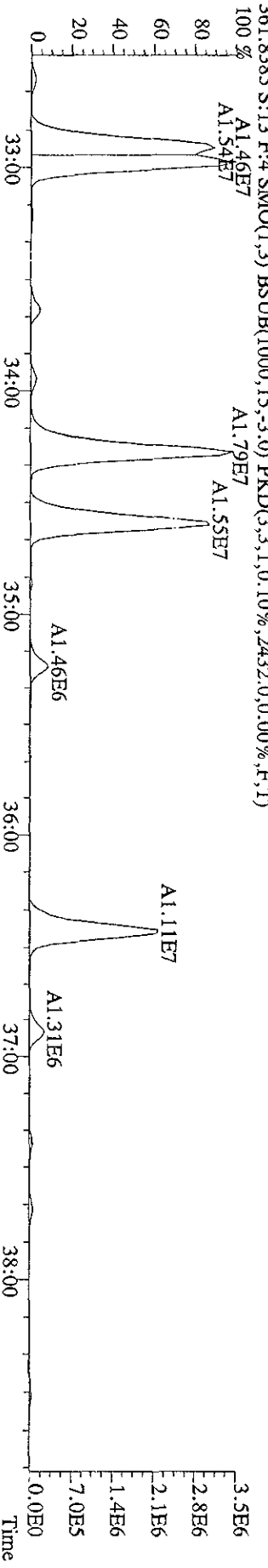
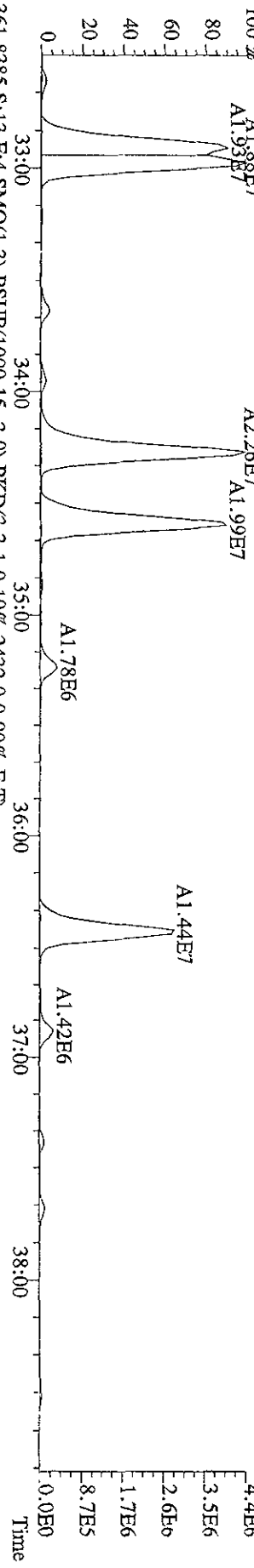


File:22AP099D5 #1-600 Acq:22-APR-2009 23:03:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#13 Text:K91LD7-1-AD :G9D030338-6S(SX) Exp:209DB5  
 323.8834 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7984,0,0.00%,F,T)  
 100%



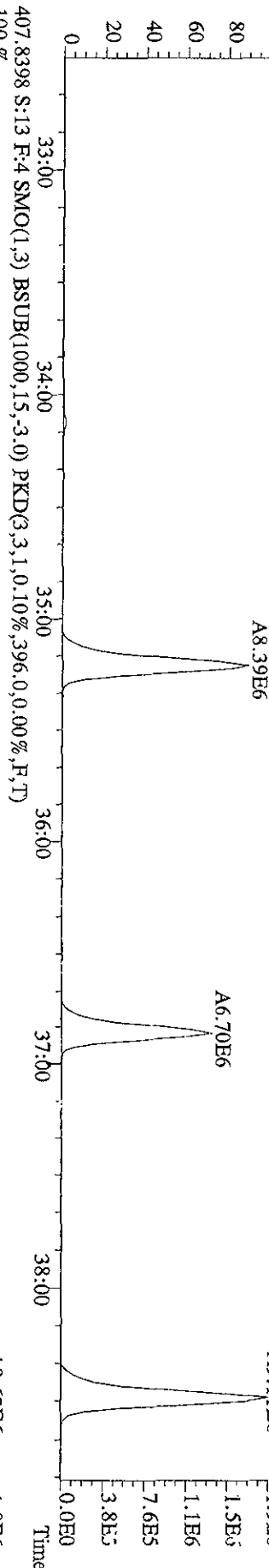
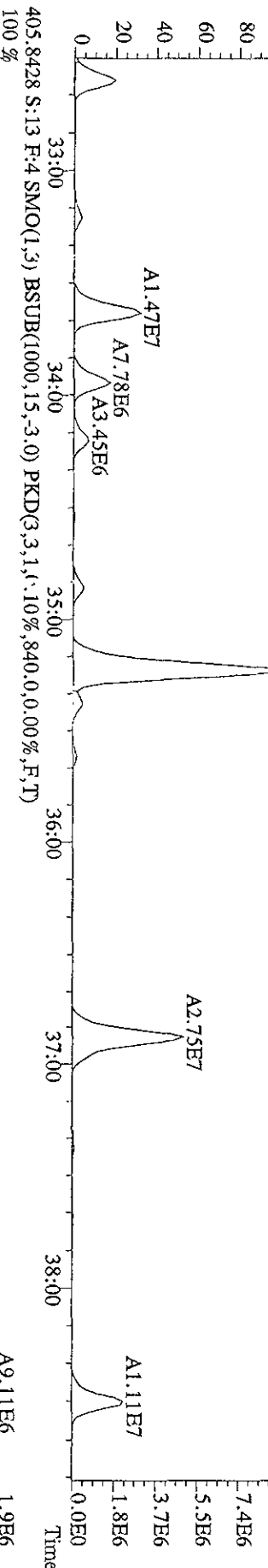
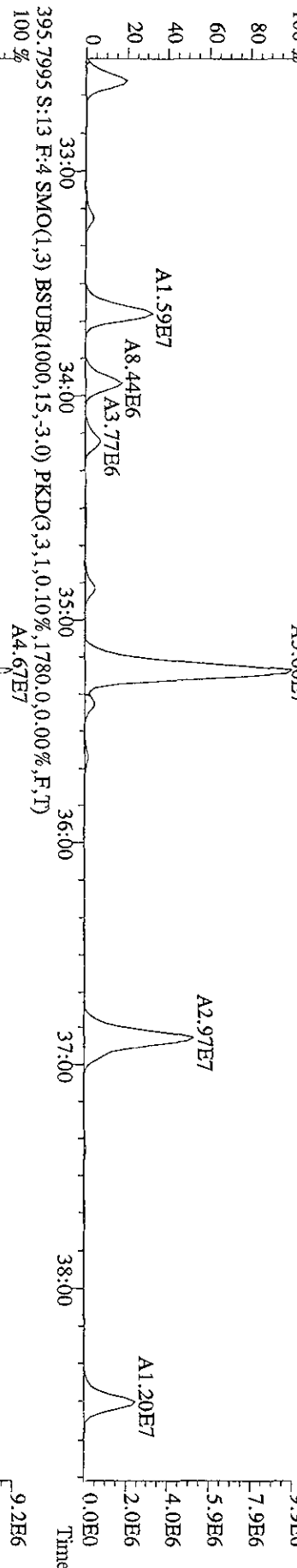
Sample#13 Text:K9LD7-1-AD :G9D030338-6S(5X) Exp:209DB5



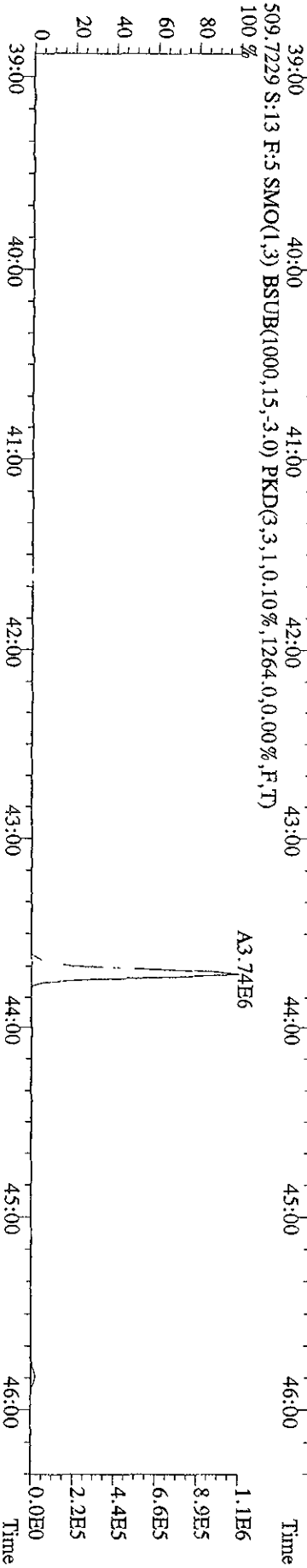
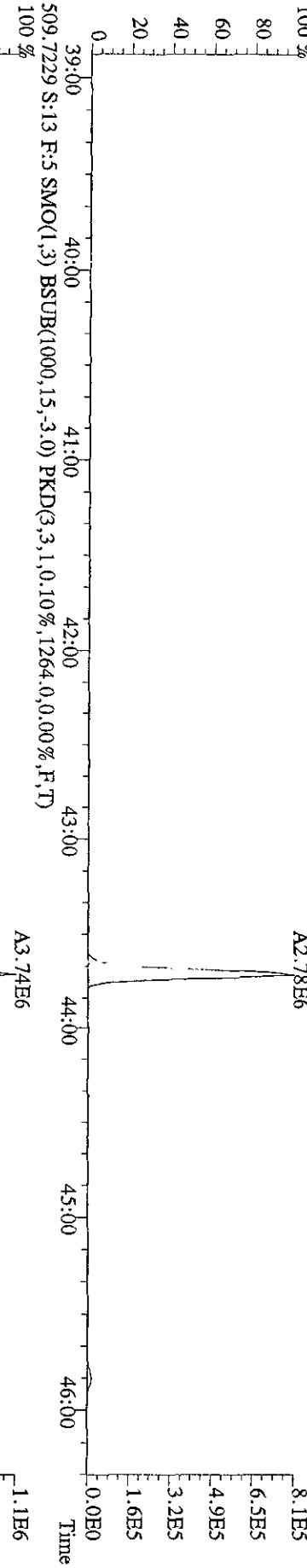
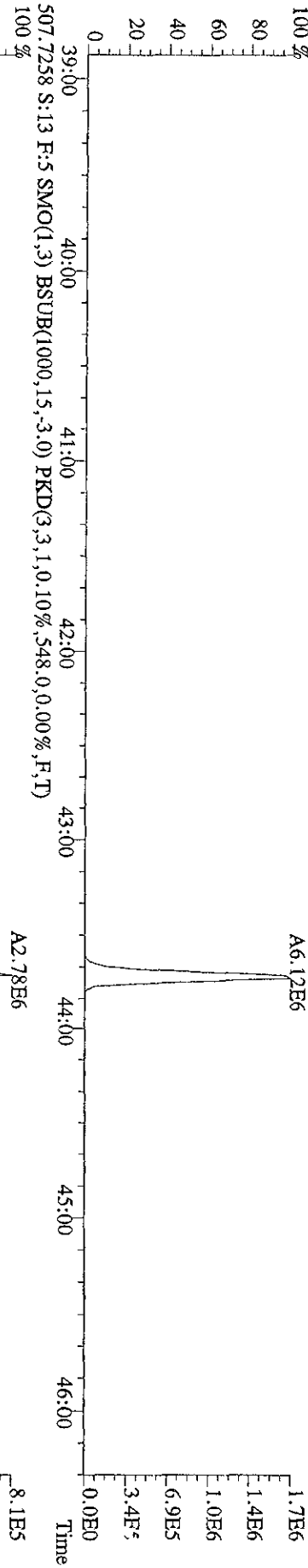
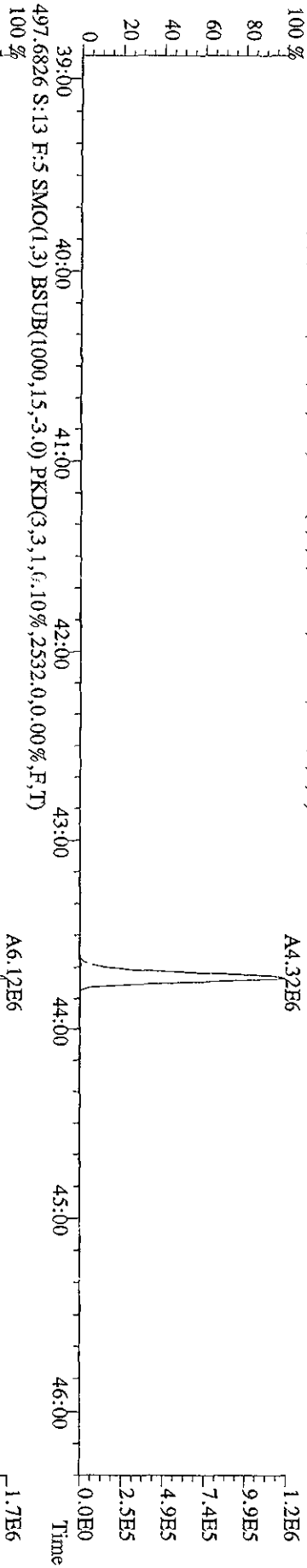




File:22AP099D5 #1-388 Acq:22-APR-2009 23:03:45 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#13 Text:K9LD7-1-AD :G9D030338-6S(5X) Exp:209DDB5  
 393.8025 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2064.0,0.00%,F,T)



File:22AP099D5 #1-496 Acq:22-APR-2009 23:03:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#13 Text:K9LD7-1-AD :G9D030338-6S(5X) Exp:209DB5  
 495.6856 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1968.0,0.00%,F,T)  
 100%



Run text: K9LD7-1-AE      Sample text: K9LD7-1-AE :G9D030338-6D(5X)  
 Run #17 Filename: 22AP099D5    S: 14    I: 1      Results: 22ap099d51668msldec7  
 Acquired: 22-APR-09    23:55:05      Processed: 30-APR-09    11:16:53  
 Run: 22AP099D5      Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.30 g

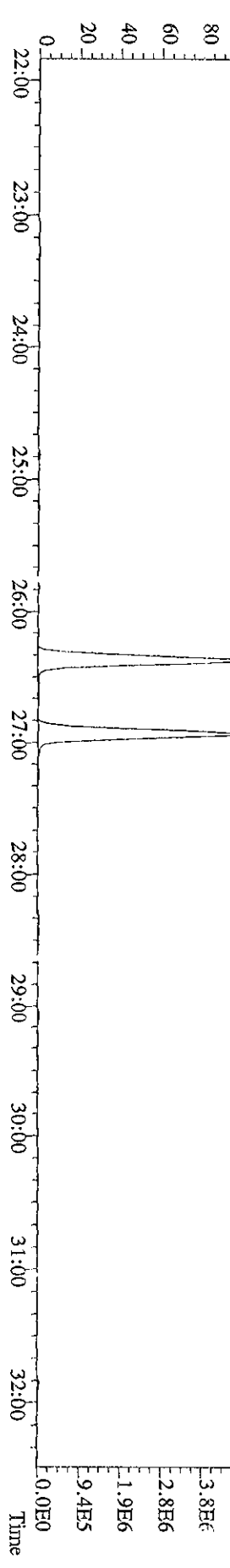
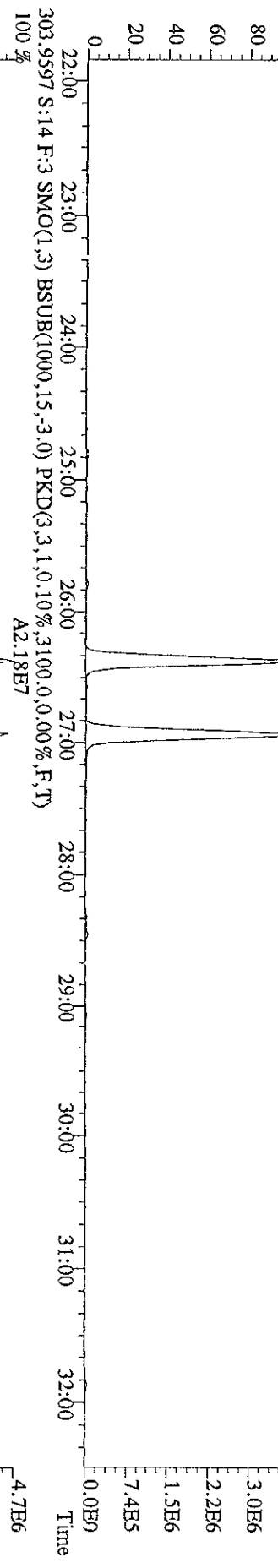
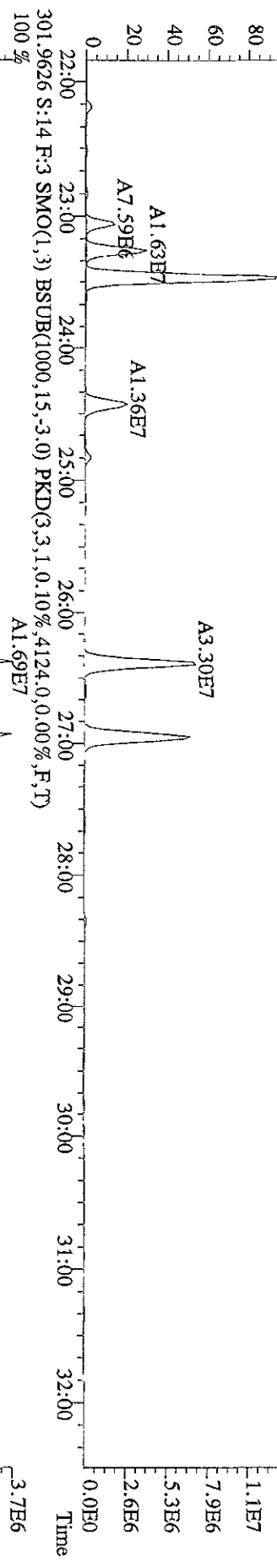
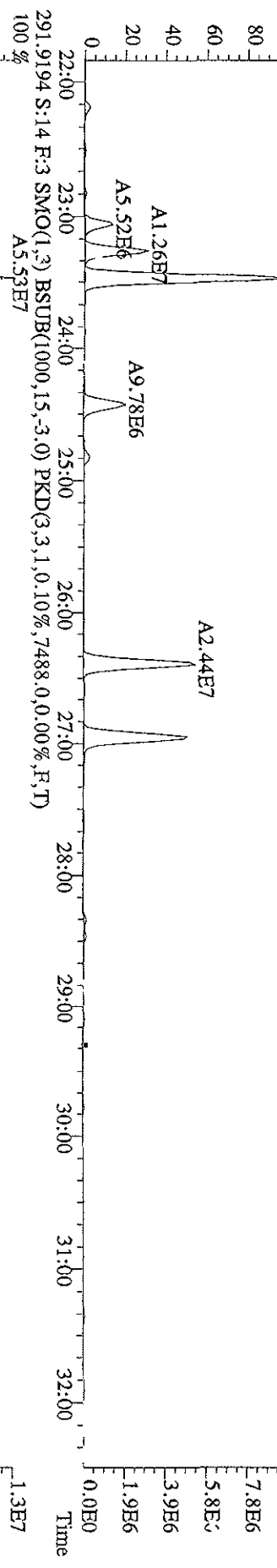
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	43404400	0.67 y	24:48	-	1.72	-	-	n
13C-TCB-81	38751300	0.77 y	26:23	0.95	183.01	0.37	94.2	n
TCB-81	57397900	0.74 y	26:24	1.28	225.00	0.55	-	n
13C-TCB-77	38826700	0.81 y	26:56	0.98	176.81	0.36	91.1	n
TCB-77	56168100	0.73 y	26:57	1.10	254.57	0.65	-	n
13C-PeCB-123	31684100	0.66 y	28:18	0.87	162.65	0.11	83.8	n
PeCB-123	65732300	0.61 y	28:20	1.51	266.96	1.12	-	n
13C-PeCB-118	37650900	0.68 y	28:26	0.98	171.08	0.10	88.1	n
PeCB-118/106	104416000	0.60 y	28:27	1.53	352.41	0.93	-	n
13C-PeCB-114	32877700	0.65 y	29:06	0.97	152.21	0.10	78.4	n
PeCB-114	69055200	0.60 y	29:07	1.59	257.24	1.05	-	n
13C-PeCB-105	30757400	0.62 y	29:58	0.90	153.36	0.11	79.0	n
PeCB-105/127	72870900	0.59 y	29:59	1.42	323.46	1.24	-	n
13C-PeCB-126	36050600	0.64 y	31:52	0.91	176.93	0.11	91.1	n
PeCB-126	52803100	0.60 y	31:53	1.17	242.42	1.33	-	n
13C-OcCB-202	37291700	0.83 y	34:08	-	1.41	-	-	n
13C-HxCB-167	41431900	1.30 y	32:59	0.84	256.35	0.61	132.0	n
HxCB-167	59976800	1.29 y	33:00	1.17	240.48	0.68	-	n
13C-HxCB-156	34141100	1.31 y	34:17	0.67	265.24	0.77	136.6	n
HxCB-156	66017200	1.28 y	34:18	1.45	258.54	0.69	-	n
13C-HxCB-157	34882100	1.27 y	34:36	0.71	256.96	0.73	132.3	n
HxCB-157	57231900	1.26 y	34:37	1.45	220.26	0.65	-	n
13C-HxCB-169	37409900	1.26 y	36:26	0.73	265.56	0.70	136.8	n
HxCB-169	40788800	1.26 y	36:27	0.99	214.03	0.89	-	n
13C-HpCB-180	26623300	1.09 y	35:14	0.58	237.12	0.26	122.1	n
HpCB-180	171462400	1.10 y	35:15	1.27	988.41	0.37	-	n
13C-HpCB-170	22262700	1.06 y	36:54	0.47	244.34	0.32	125.8	n
HpCB-170/190	100599900	1.09 y	36:55	1.61	546.20	0.36	-	n
13C-HpCB-189	29319500	1.07 y	38:31	0.60	255.07	0.26	131.4	n
HpCB-189	37253900	1.08 y	38:32	1.21	204.51	0.35	-	n
13C-DeCB-209	9307790	0.72 y	43:44	0.46	105.32	0.29	54.2	n
DeCB-209	14466470	0.72 y	43:45	1.50	200.56	0.53	-	n
13C-PeCB-111	36050600	0.64 y	31:52	1.36	155.21	0.11	79.9	n

*Vs 5.6.09*

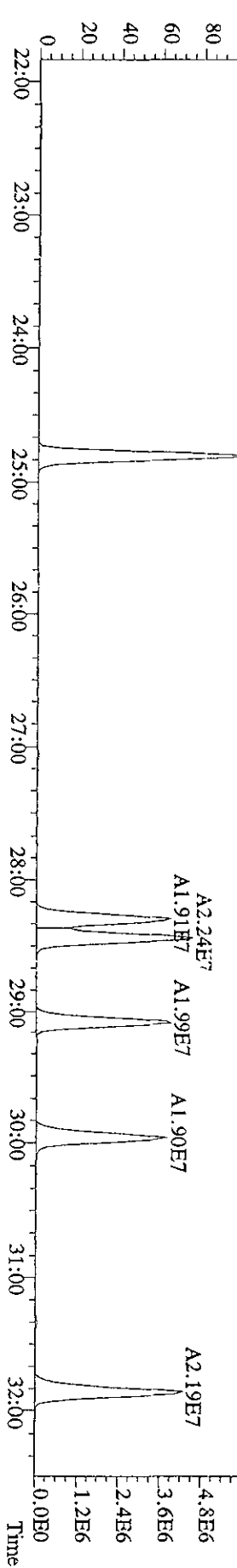
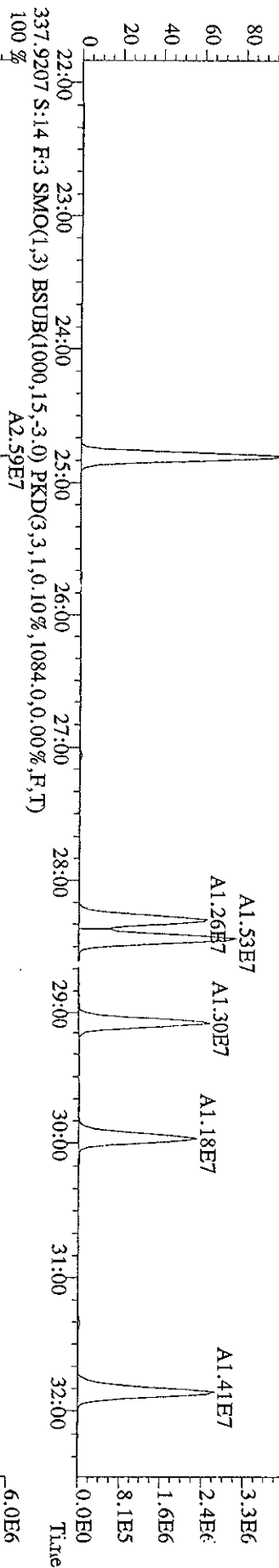
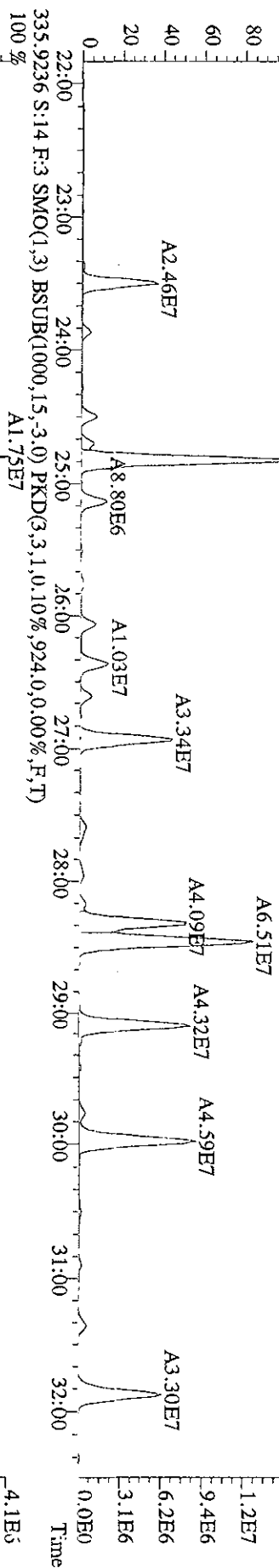
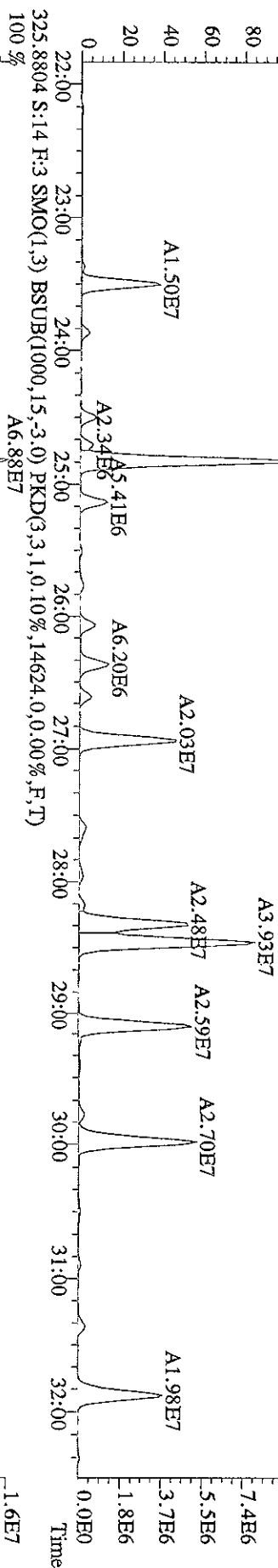
Run text: K9LD7-1-AE Sample text: K9LD7-1-AE :G9D030338-6D(5X) ✓  
 Run #17 Filename: 22AP099D5 S: 14 I: 1 Results: 22AP099D51668MSLDECA  
 Acquired: 22-APR-09 23:55:05 Processed: 30-APR-09 11:16:53  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.3000µg

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	43404400	0.67 y	24:48	-	1.72	-	-	n
13C-TCB-81	38751300	0.77 y	26:23	0.95	183.01	0.37	94.2	n
TCB-81	57397900	0.74 y	26:24	1.28	225.00	0.55	-	n
13C-TCB-77	38826700	0.81 y	26:56	0.98	176.81	0.36	91.1	n
TCB-77	56168100	0.73 y	26:57	1.10	254.57	0.65	-	n
13C-PeCB-123	43404400	0.67 y	24:48	0.87	222.81	0.11	114.7	n
PeCB-123	65732300	0.61 y	28:20	1.51	194.87	0.71	-	n
13C-PeCB-118	37650900	0.68 y	28:26	0.98	171.08	0.10	88.1	n
PeCB-118/106	104416000	0.60 y	28:27	1.53	352.41	0.93	-	n
13C-PeCB-114	32877700	0.65 y	29:06	0.97	152.21	0.10	78.4	n
PeCB-114	69055200	0.60 y	29:07	1.59	257.24	1.05	-	n
13C-PeCB-105	30757400	0.62 y	29:58	0.90	153.36	0.11	79.0	n
PeCB-105/127	72870900	0.59 y	29:59	1.42	323.46	1.24	-	n
13C-PeCB-126	36050600	0.64 y	31:52	0.91	176.93	0.11	91.1	n
PeCB-126	52803100	0.60 y	31:53	1.17	242.42	1.33	-	n
13C-OcCB-202	37291700	0.83 y	34:08	-	1.41	-	-	n
13C-HxCB-167	41431900	1.30 y	32:59	0.84	256.35	0.61	132.0	n
HxCB-167	59976800	1.29 y	33:00	1.17	240.48	0.68	-	n
13C-HxCB-156	34141100	1.31 y	34:17	0.67	265.24	0.77	136.6	n
HxCB-156	66017200	1.28 y	34:18	1.45	258.54	0.69	-	n
13C-HxCB-157	34882100	1.27 y	34:36	0.71	256.96	0.73	132.3	n
HxCB-157	57231900	1.26 y	34:37	1.45	220.26	0.65	-	n
13C-HxCB-169	37409900	1.26 y	36:26	0.73	265.55	0.70	136.8	n
HxCB-169	40788800	1.26 y	36:27	0.99	214.03	0.89	-	n
13C-HpCB-180	26623300	1.09 y	35:14	0.58	237.12	0.26	122.1	n
HpCB-180	171462400	1.10 y	35:15	1.27	988.41	0.37	-	n
13C-HpCB-170	22262700	1.06 y	36:54	0.47	244.34	0.32	125.8	n
HpCB-170/190	100599900	1.09 y	36:55	1.61	546.20	0.36	-	n
13C-HpCB-189	29319500	1.07 y	38:31	0.60	255.07	0.26	131.4	n
HpCB-189	37253900	1.08 y	38:32	1.21	204.51	0.35	-	n
13C-DeCB-209	9307790	0.72 y	43:44	0.46	105.32	0.29	54.2	n
DECB-209	14466470	0.72 y	43:45	1.50	200.56	0.53	-	n
13C-PeCB-111	36050600	0.64 y	31:52	1.36	142.64	0.10	73.5	n

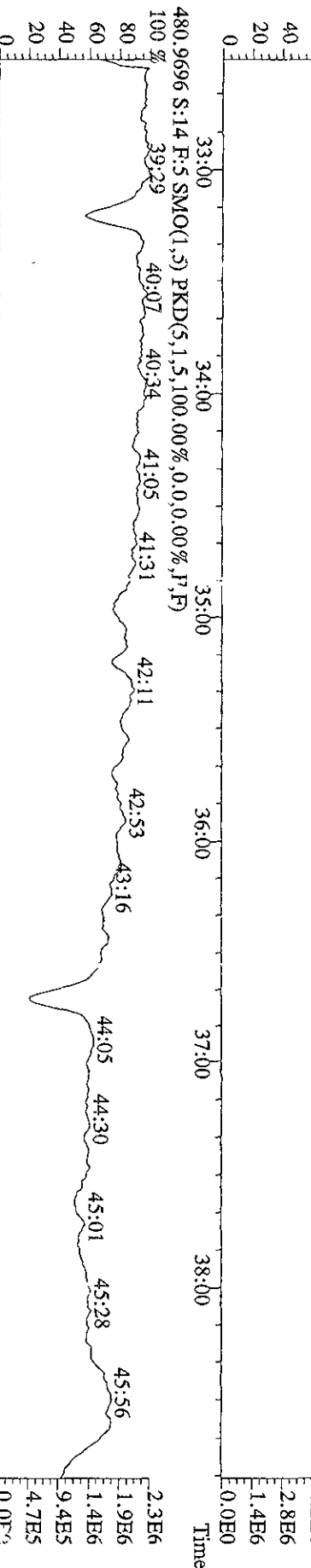
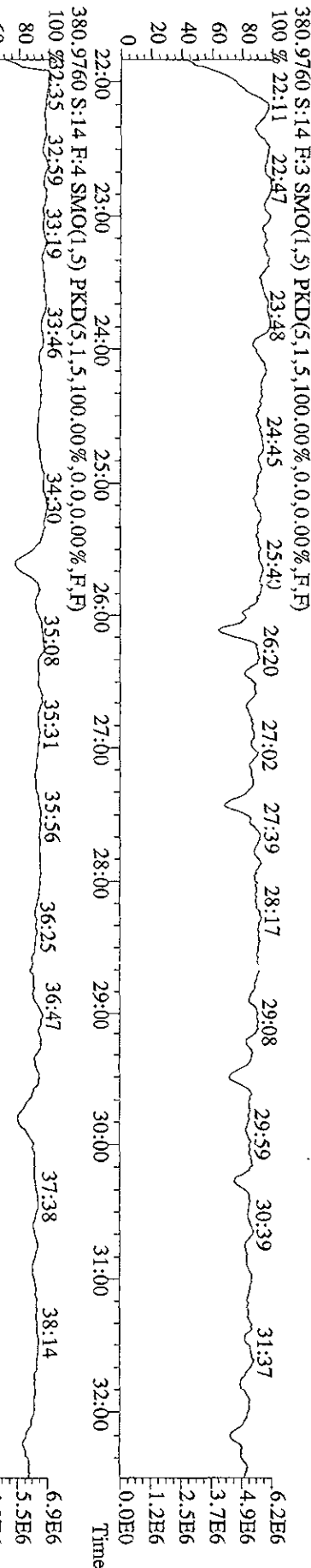
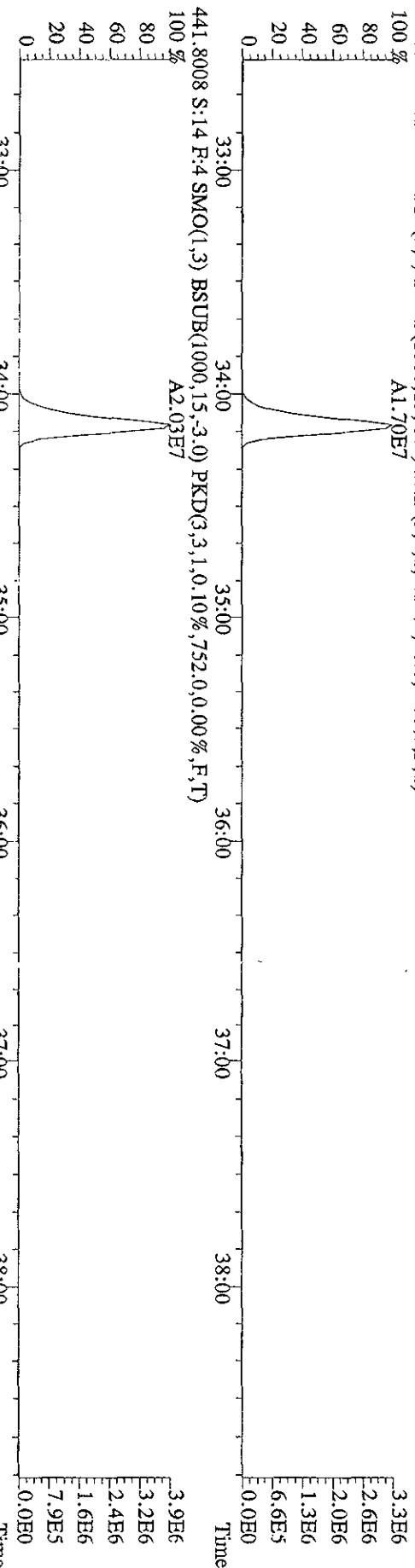
File:22AP099D5 #1-601 Acq:22-APR-2009 23:55:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:K9LD7-1-AE :G9D030338-6D(5X) Exp:209DB5  
 289.9224 S:14 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4548,0,0,00%,F,T)  
 100 % A4.07E7

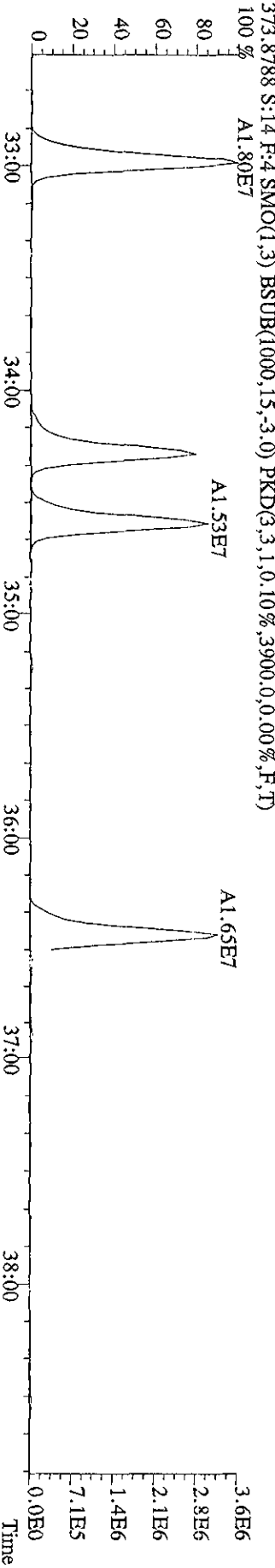
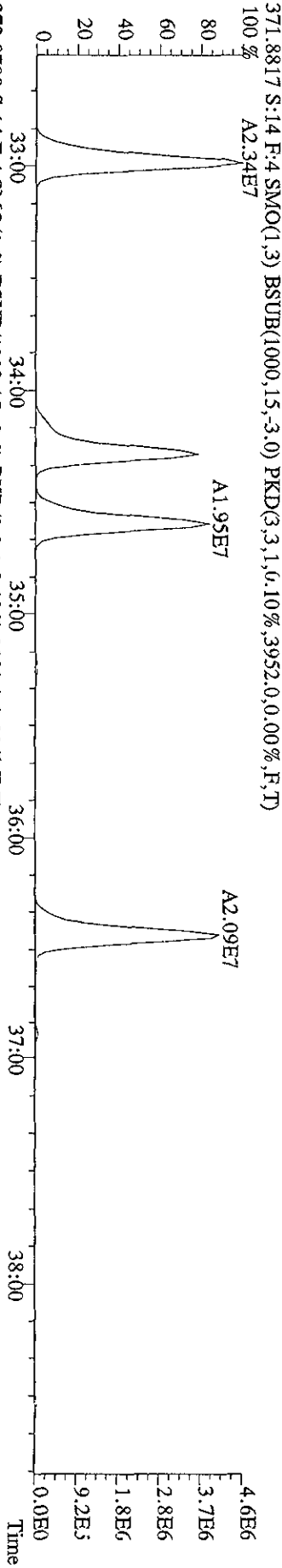
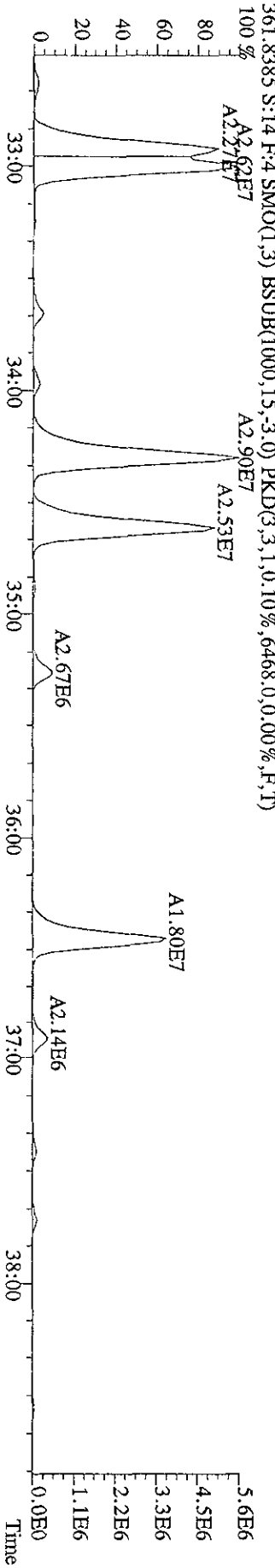
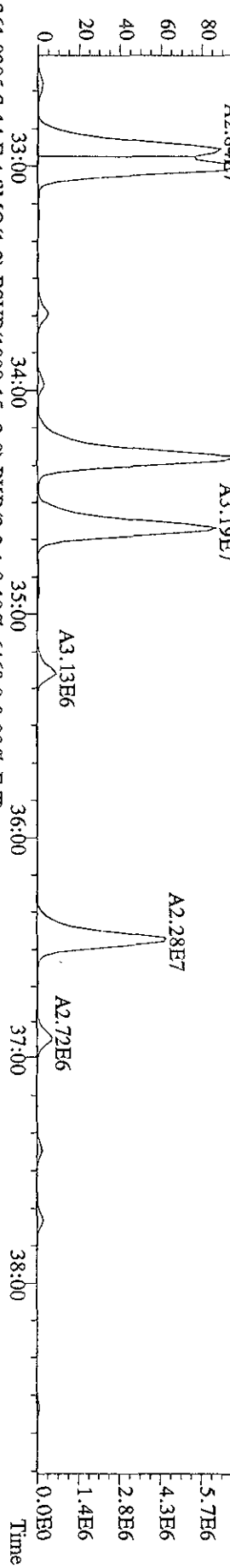


File: 22AP099D5 #1-601 Acq: 22-APR-2009 23:55:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#14 Text: K9LD7-1-AE : G9D030338-6D(5X) Exp: 209DB5  
 323.8834 S:14 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,6,10%,7528,0,0,00%,F,T)  
 100%



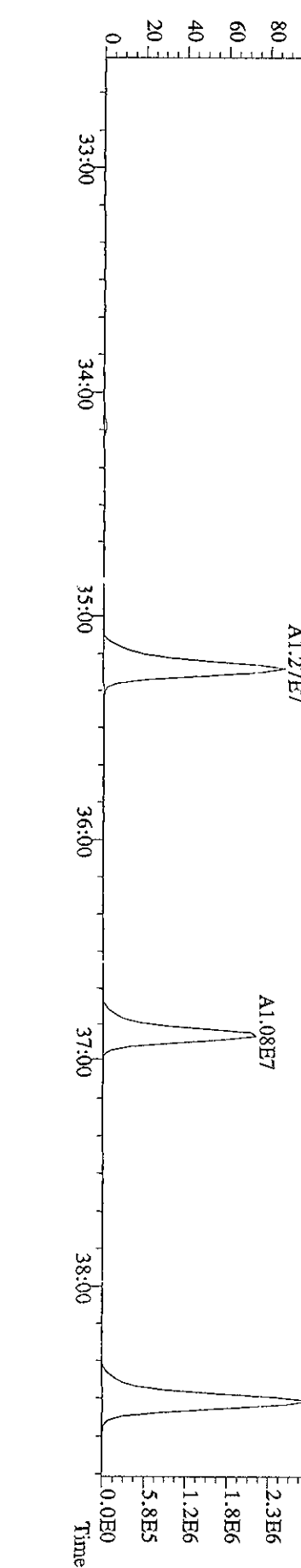
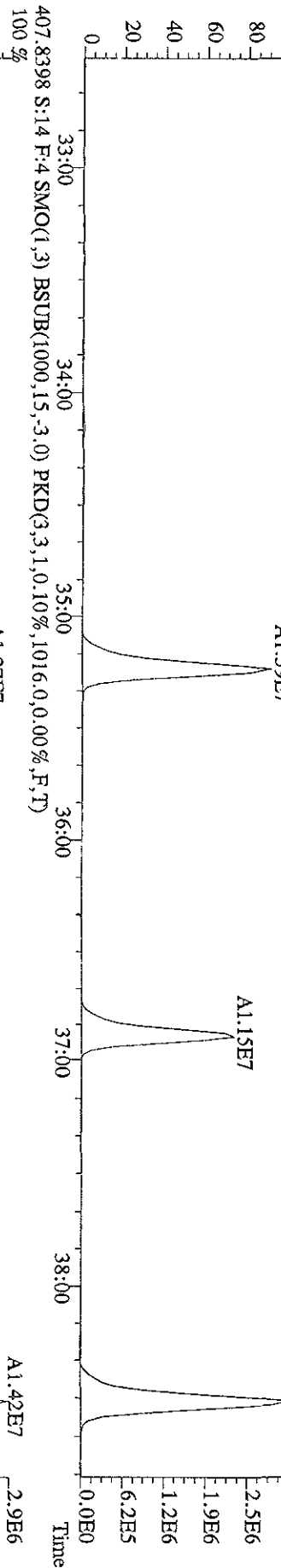
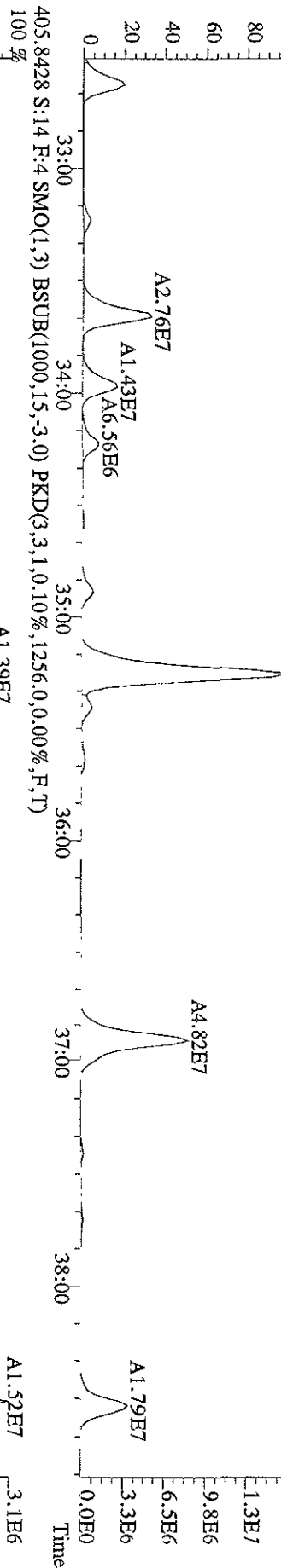
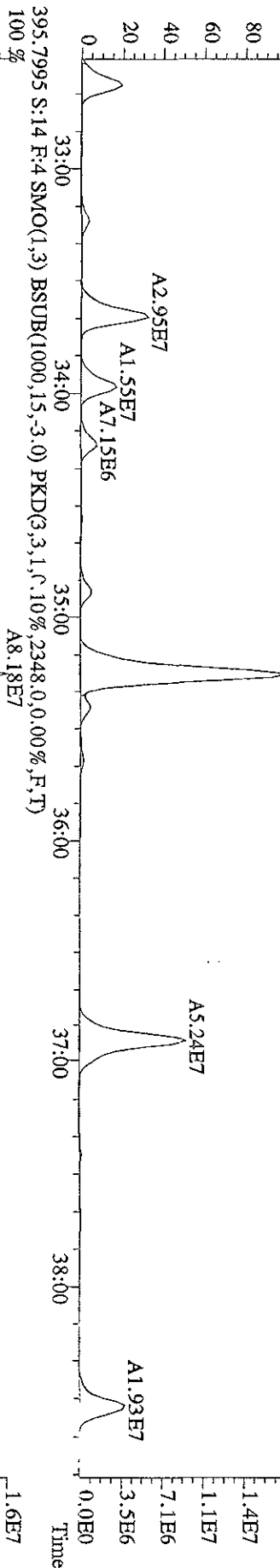
File:22AP099D5 #1-387 Acq:22-APR-2009 23:55:05 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#14 Text:K9LD7-1-AE :G9D030338-6D(5X) Exp 209DB5  
 439.8038 S:14 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,36,0,0,00%,F,T)  
 A1.70E7



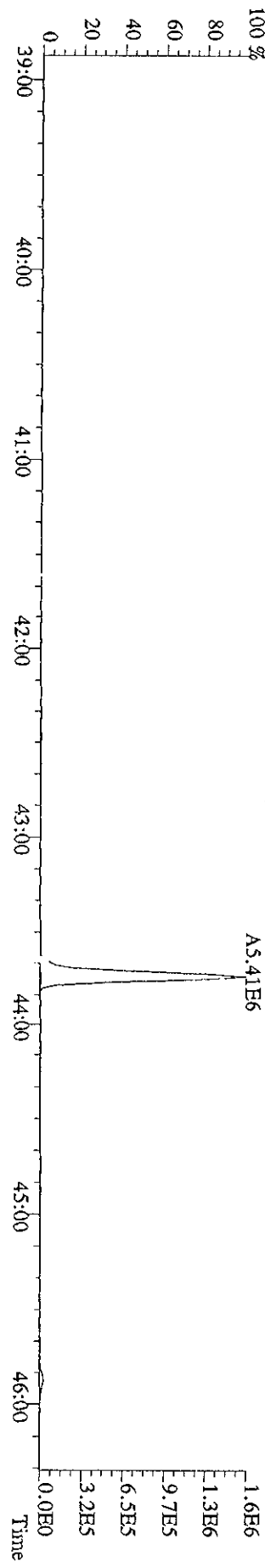
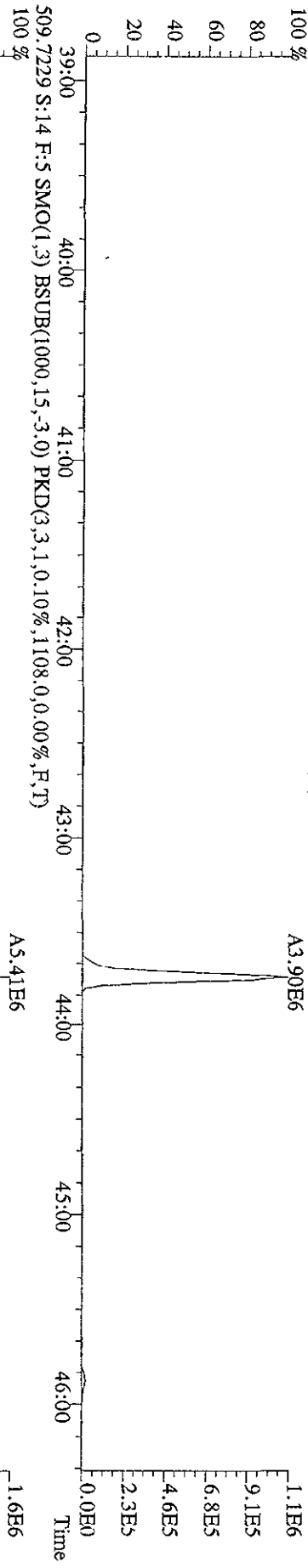
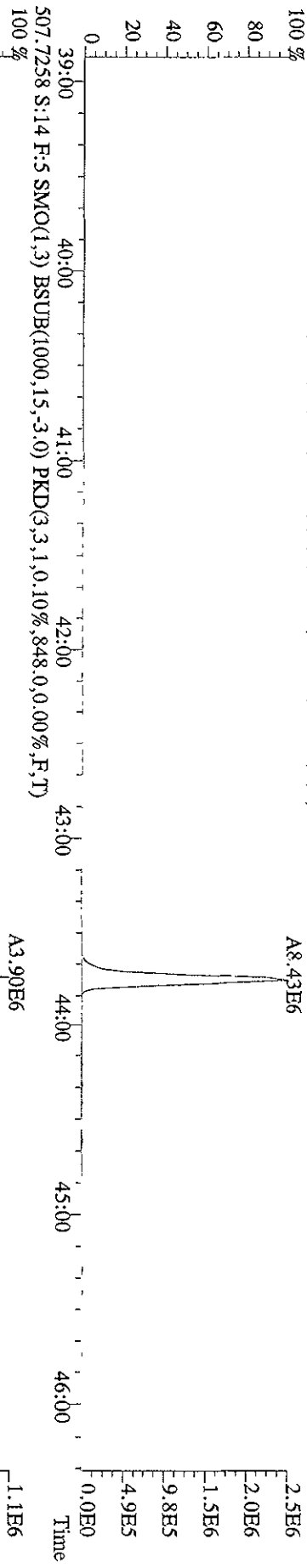
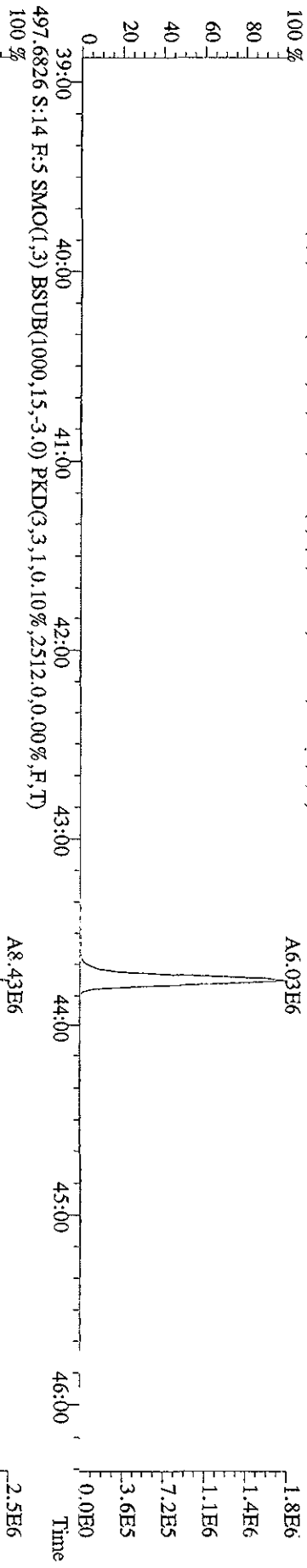




File:22AP099D5 #1-387 Acq:22-APR-2009 23:55:05 GC HF+ Voltage SIR Autospec-Ultimate  
 Sample#14 Text:K9LD7-1-AE :G9D03038-6D(5X) Exp:209DB5  
 393.8025 S:14 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2868,0,0,00%,F,T)  
 100 %



File:22AP099D5 #1-497 Acq:22-APR-2009 23:55:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#14 Text:K9LD7-1-AE :G9D03038-6D(5X) Exp:209DB5  
 495.6856 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2004,0,0,00%,F,T)  
 100 %



Run text: K9LD8-1-AC      Sample text: K9LD8-1-AC :G9D030338-7 (5X)  
 Run #7    Filename: 23AP099D5    S: 19    I: 1      Results: 23AP099D51668MSL  
 Acquired: 24-APR-09    05:10:02      Processed: 24-APR-09    09:05:35  
 Run: 23AP099D5      Analyte: 1668MSL      Cal: 1668MSL0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.09 g

RL = 10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	21734940	0.66 y	24:46	-	0.88	-	-	n
13C-TCB-81	20177560	0.81 y	26:20	0.95	194.25	0.43	98.0	n
TCB-81	74467	0.61 n	26:20	1.28	0.57	0.35	-	n
13C-TCB-77	21485970	0.82 y	26:54	0.98	199.46	0.41	100.6	n
TCB-77	272509	0.58 n	26:55	1.10	2.28	0.38	-	n
13C-PeCB-123	17709580	0.70 y	28:16	0.87	185.33	0.22	93.5	n
PeCB-123	204617	0.68 y	28:21	1.51	1.52	0.49	-	y
13C-PeCB-118	18612920	0.64 y	28:25	0.98	172.41	0.20	87.0	n
PeCB-118/106	2688880	0.63 y	28:26	1.53	18.74	0.45	-	y
13C-PeCB-114	19057050	0.70 y	29:03	0.97	179.85	0.20	90.7	n
PeCB-114	*	* n	NotFnd	1.59	*	0.43	-	n
13C-PeCB-105	18311470	0.70 y	29:55	0.90	186.12	0.22	93.9	n
PeCB-105/127	1346323	0.57 y	29:56	1.42	10.25	0.49	-	n
13C-PeCB-126	21034060	0.67 y	31:49	0.91	210.45	0.21	106.2	n
PeCB-126	92802	0.77 n	31:49	1.17	0.75	0.55	-	y
13C-OcCB-202	25927700	0.85 y	34:06	-	1.00	-	-	n
13C-HxCB-167	25001000	1.29 y	32:56	0.84	227.11	0.44	114.6	n
HxCB-167	314964	1.11 y	32:56	1.17	2.14	0.28	-	y
13C-HxCB-156	20797340	1.32 y	34:14	0.67	237.23	0.56	119.7	n
HxCB-156	581048	1.13 y	34:15	1.45	3.81	0.28	-	n
13C-HxCB-157	21792500	1.30 y	34:33	0.71	235.70	0.53	118.9	n
HxCB-157	162271	1.33 y	34:35	1.45	1.02	0.26	-	n
13C-HxCB-169	24210900	1.29 y	36:23	0.73	252.34	0.51	127.3	n
HxCB-169	*	* n	NotFnd	0.99	*	0.35	-	n
13C-HpCB-180	17580150	1.04 y	35:11	0.58	229.89	0.25	116.0	n
HpCB-180	5221560	1.07 y	35:12	1.27	46.53	0.22	-	n
13C-HpCB-170	14347830	1.02 y	36:51	0.47	231.21	0.30	116.6	n
HpCB-170/190	2543530	1.10 y	36:52	1.61	21.87	0.22	-	n
13C-HpCB-189	19080820	1.03 y	38:28	0.60	243.72	0.24	123.0	n
HpCB-189	129683	0.92 y	38:29	1.21	1.12	0.22	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.18	*	n

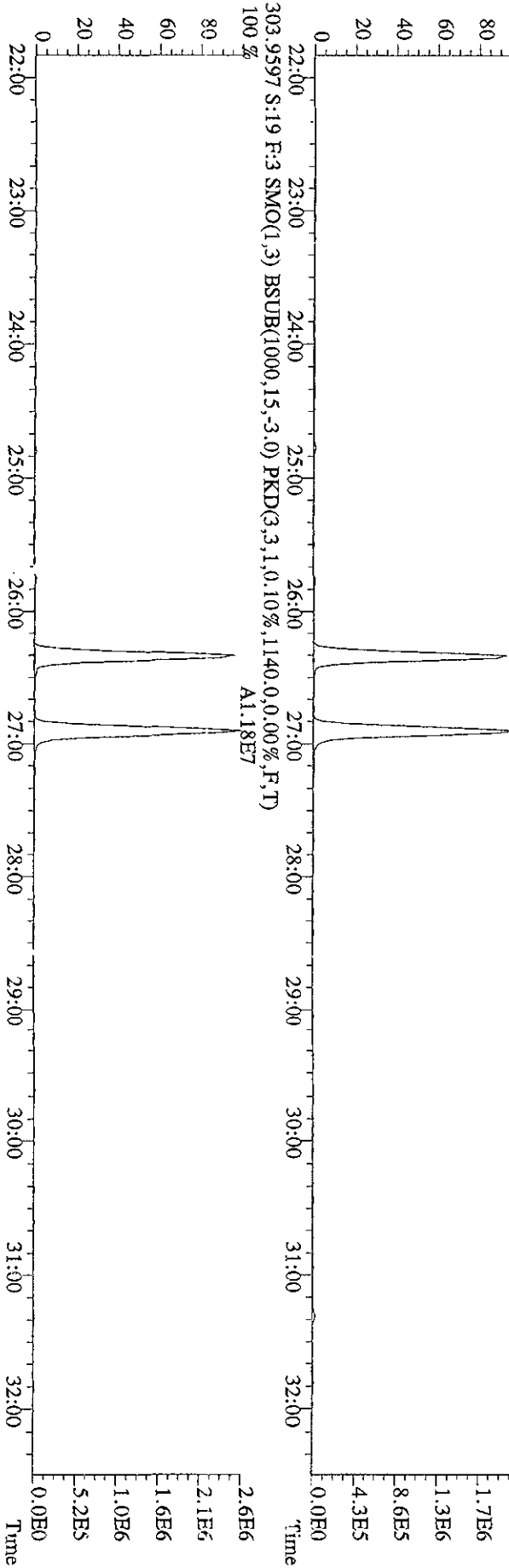
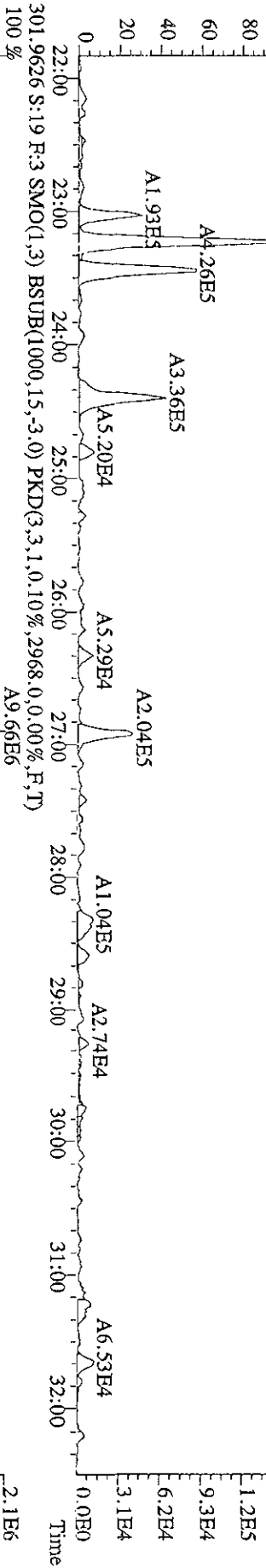
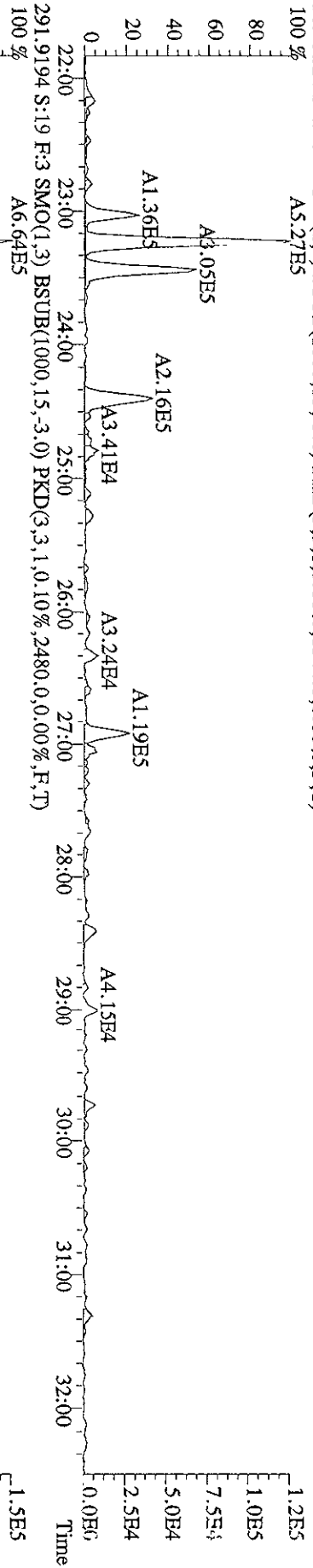
Vg S.C. 09

Run text: K9LD8-1-AC Sample text: K9LD8-1-AC :G9D030338-7 (5X) ✓  
 Run #7 Filename: 23AP099D5 S: 19 I: 1 Results: 23AP099D51668MSL  
 Acquired: 24-APR-09 05:10:02 Processed: 24-APR-09 09:05:35  
 Run: 23AP099D5 Analyte: 1668MSL Cal: 1668MSL0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.09007g

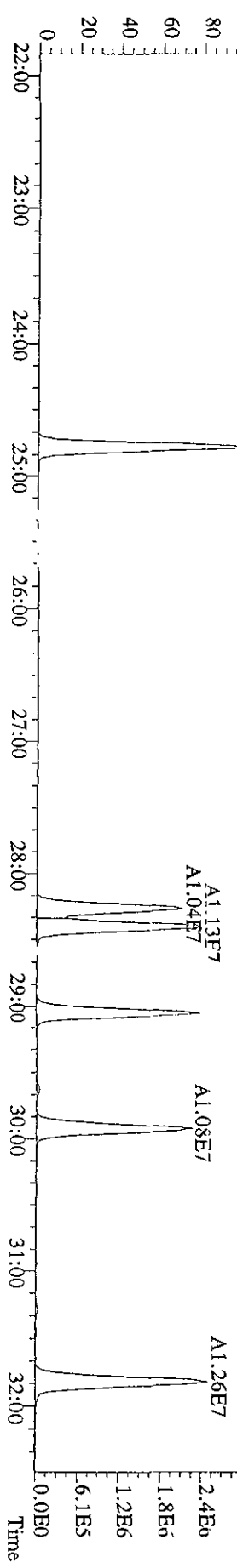
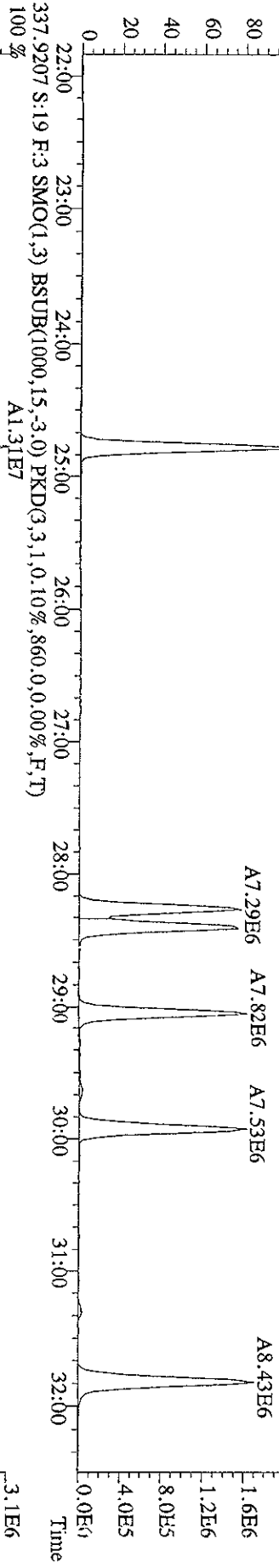
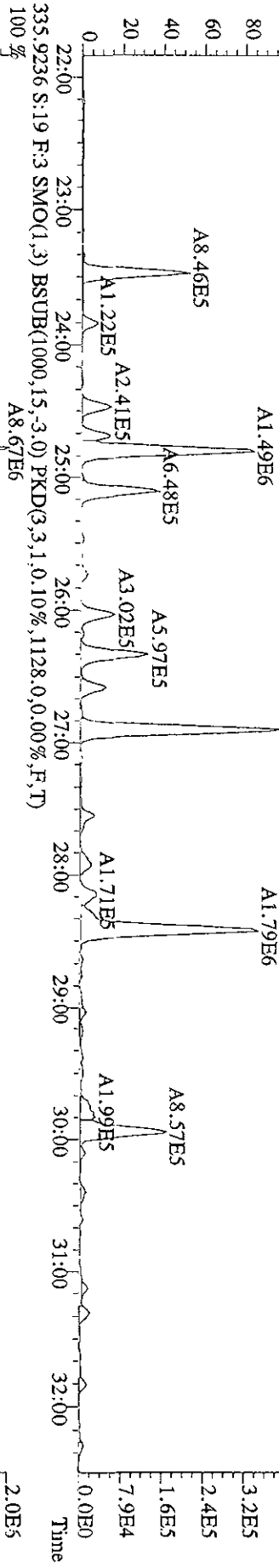
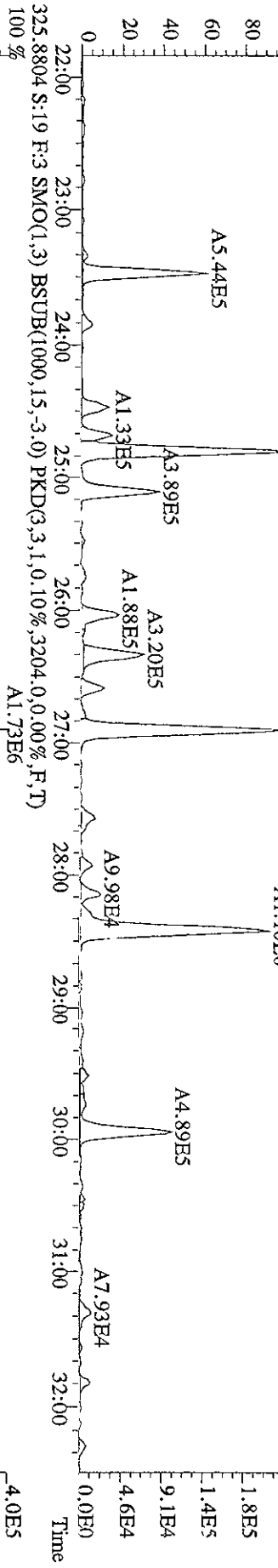
R<sub>L</sub> 10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	21734940	0.66 y	24:46	-	0.88	-	-	n
13C-TCB-81	20177560	0.81 y	26:20	0.95	194.25	0.43	98.0	n
TCB-81	74467	0.61 n	26:20	1.28	0.57	0.35	-	n
13C-TCB-77	21485970	0.82 y	26:54	0.98	199.46	0.41	100.6	n
TCB-77	272509	0.58 n	26:55	1.10	2.28	0.38	-	n
13C-PeCB-123	17709580	0.70 y	28:16	0.87	185.33	0.22	93.5	n
PeCB-123	*	* n	NotFnd	1.51	*	0.49	-	n
13C-PeCB-118	18612920	0.64 y	28:25	0.98	172.41	0.20	87.0	n
PeCB-118/106	2889320	0.61 y	28:26	1.53	20.14	0.45	-	n
13C-PeCB-114	19056950	0.70 y	29:03	0.97	179.85	0.20	90.7	n
PeCB-114	*	* n	NotFnd	1.59	*	0.43	-	n
13C-PeCB-105	18311470	0.70 y	29:55	0.90	186.12	0.22	93.9	n
PeCB-105/127	1346322	0.57 y	29:56	1.42	10.25	0.49	-	n
13C-PeCB-126	21034060	0.67 y	31:49	0.91	210.45	0.21	106.2	n
PeCB-126	92802	0.77 n	31:49	1.17	0.75	0.55	-	n
13C-OcCB-202	25927700	0.85 y	34:06	-	1.00	-	-	n
13C-HxCB-167	25001000	1.29 y	32:56	0.84	227.11	0.44	114.6	n
HxCB-167	1115461	1.22 y	32:52	1.17	7.57	0.28	-	n
13C-HxCB-156	20797340	1.32 y	34:14	0.67	237.23	0.56	119.7	n
HxCB-156	581048	1.13 y	34:15	1.45	3.81	0.28	-	n
13C-HxCB-157	21792500	1.30 y	34:33	0.71	235.70	0.53	118.9	n
HxCB-157	162271	1.33 y	34:35	1.45	1.02	0.26	-	n
13C-HxCB-169	24210900	1.29 y	36:23	0.73	252.34	0.51	127.3	n
HxCB-169	*	* n	NotFnd	0.99	*	0.35	-	n
13C-HpCB-180	17580150	1.04 y	35:11	0.58	229.89	0.25	116.0	n
HpCB-180	5221560	1.07 y	35:12	1.27	46.53	0.22	-	n
13C-HpCB-170	14347830	1.02 y	36:51	0.47	231.21	0.30	116.6	n
HpCB-170/190	2543530	1.10 y	36:52	1.61	21.87	0.22	-	n
13C-HpCB-189	19080820	1.03 y	38:28	0.60	243.72	0.24	123.0	n
HpCB-189	129683	0.92 y	38:29	1.21	1.12	0.22	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.18	*	n

File:23 AP099D5 #1-600 Acq:24-APR-2009 05:10:02 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#19 Text:K9LD8-1-AC :G9D030338-7 (5X) Exp 209DB5  
 289.9224 S:19 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1544,0,0,00%,F,T)  
 100% AS.27E5



File:23AP099D5 #1-600 Acq:24-APR-2009 05:10:02 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#19 Text:K9LD8-1-AC :G9D030338-7 (5X) Exp:209DB5  
 323.8834 S:19 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,2324,0,0.00%,F,T)  
 100%



File: 23AP099D5 #1-600 Acq: 24-APR-2009 05:10:02 GC EI+ Voltage SIR Autospec-Ultimate

Sample#19 Text: K9LD8-1-AC : G9D030338-7 Exp: 209DB5

323.8834 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2324.0,0.00%,F,T)

100%



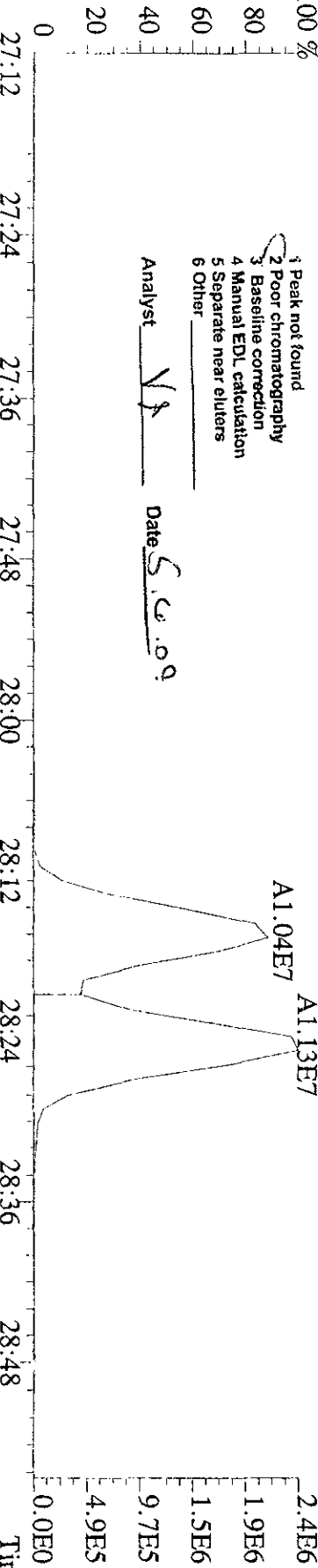
325.8804 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3204.0,0.00%,F,T)

100%



337.9207 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,860.0,0.00%,F,T)

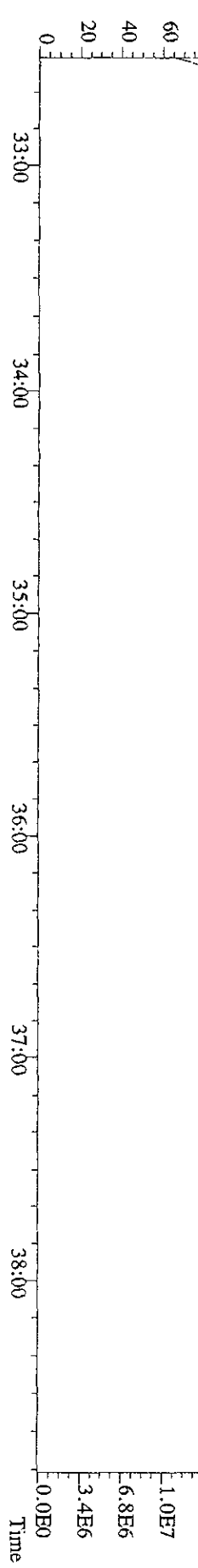
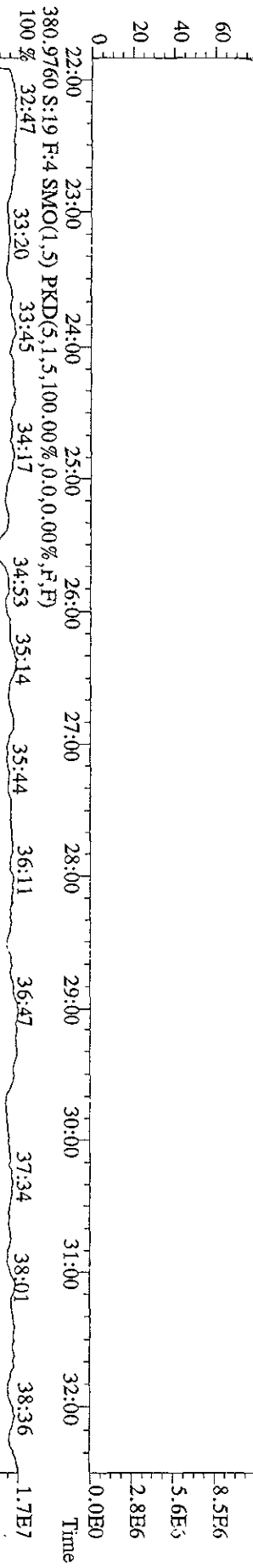
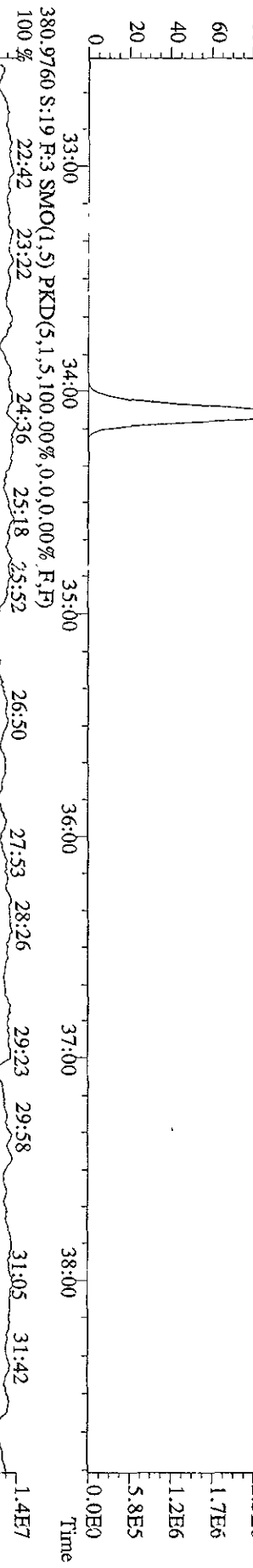
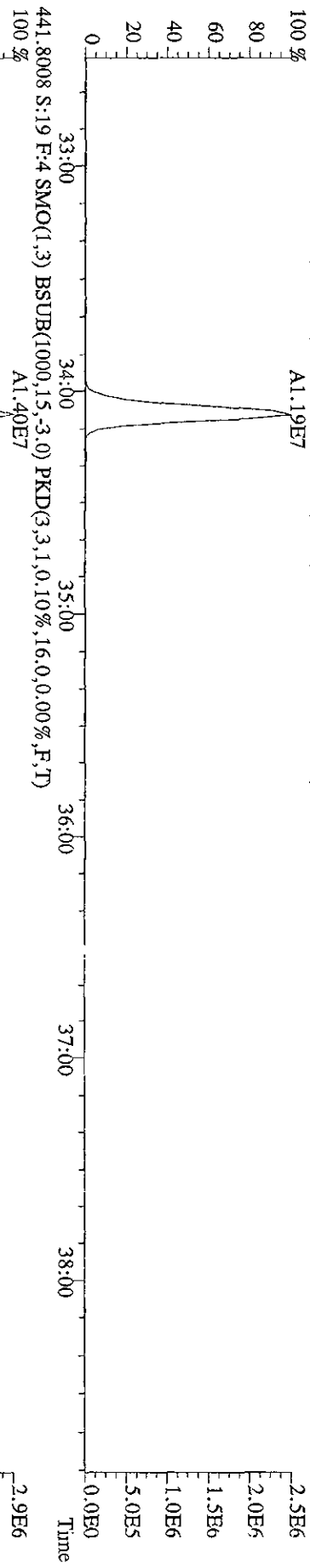
100%



1 Peak not found  
2 Poor chromatography  
3 Baseline correction  
4 Manual EDL calculation  
5 Separate near eluters  
6 Other

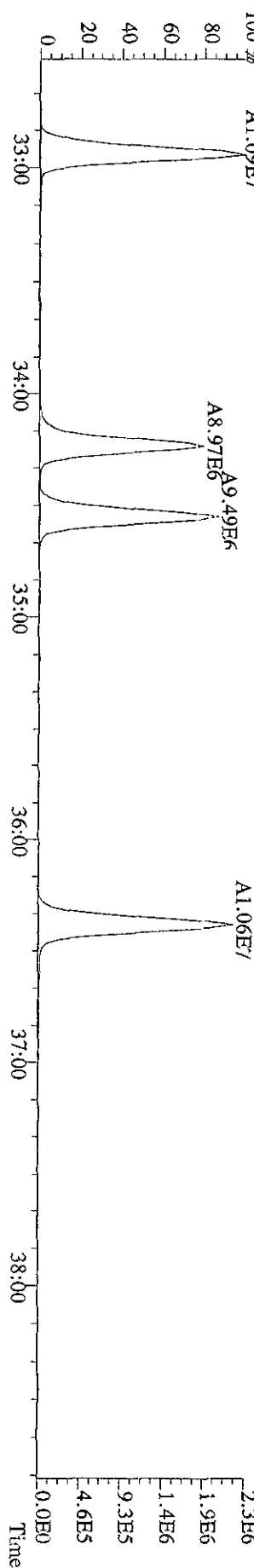
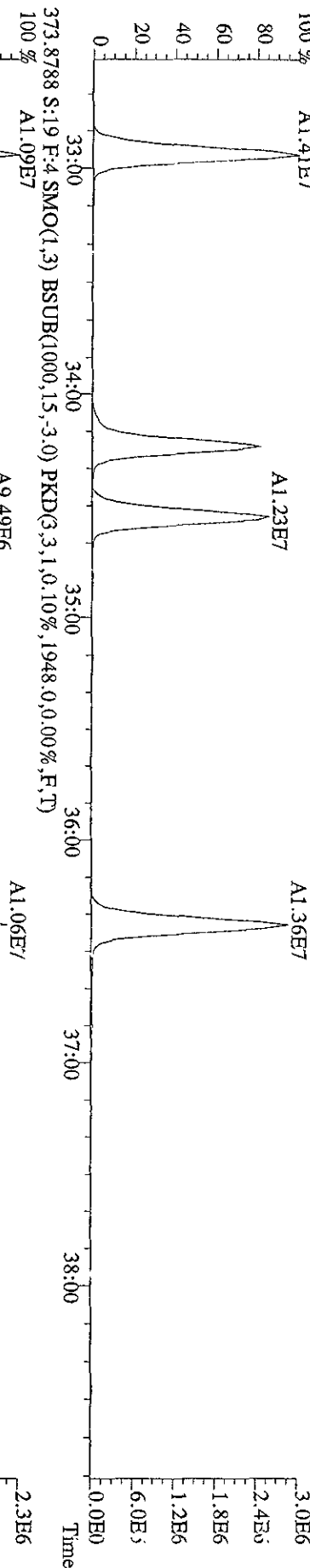
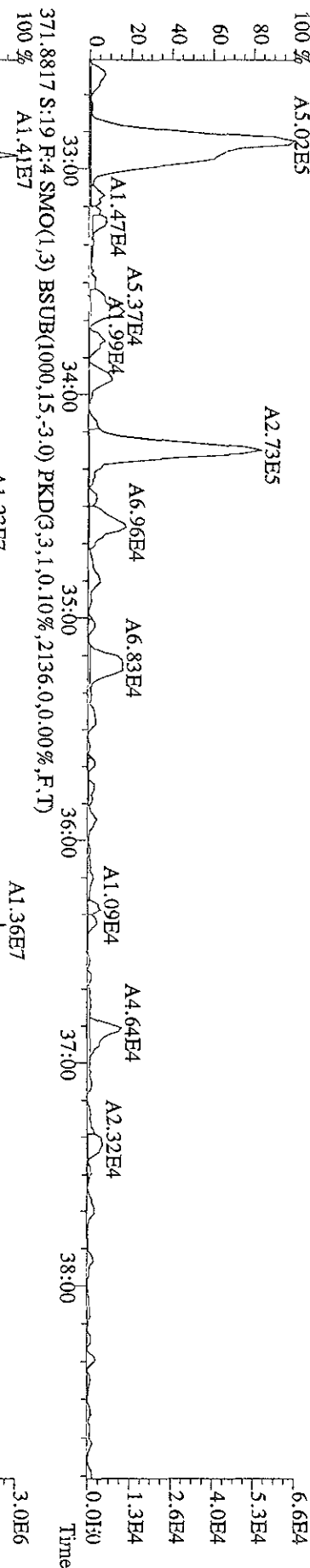
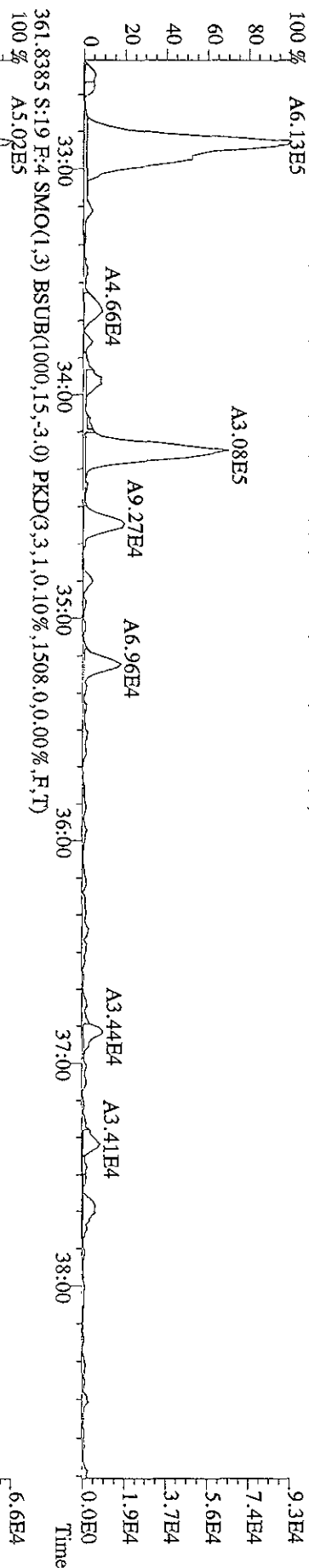
Analyst VS Date 5.6.09

File:23AP099D5 #1-387 Acq:24-APR-2009 05:10:02 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#19 Text:K9LD8-1-AC :G9D030338-7 (5X) Exp:209DB5  
 439.8038 S:19 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,28,0,0,0,00%,F,T)  
 100% A1.19E7





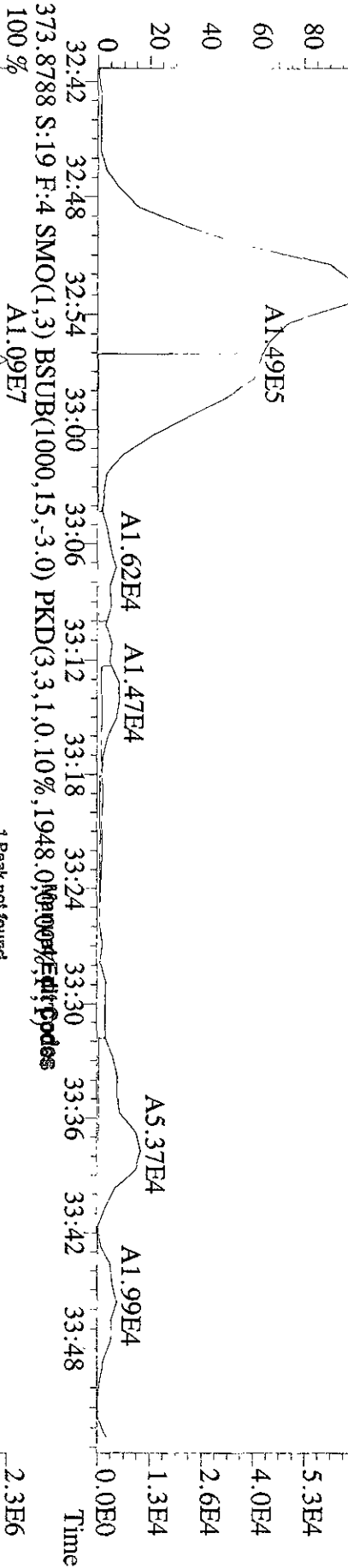
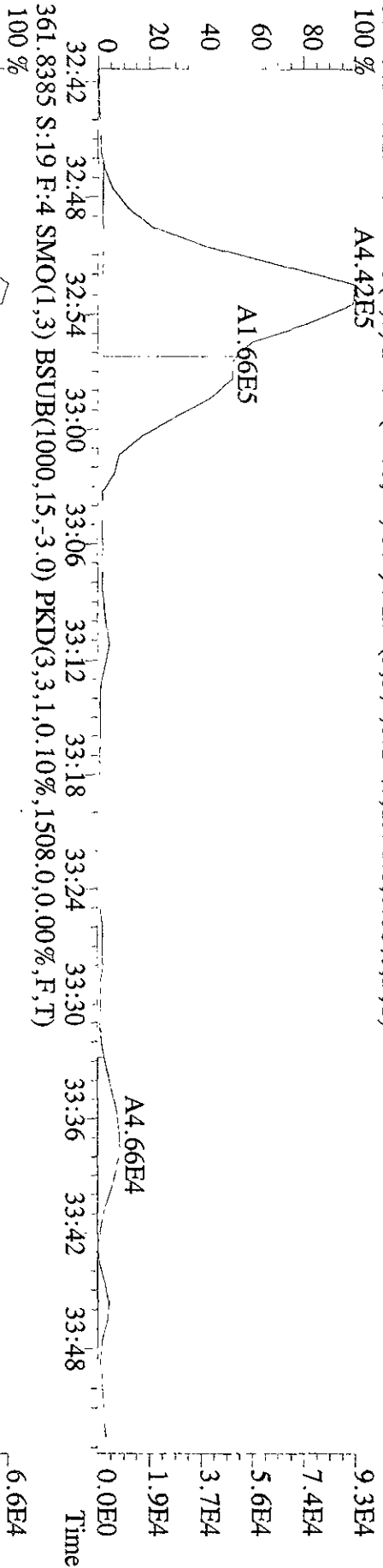
File:23AP099D5 #1-387 Acq:24-APR-2009 05:10:02 GC EI + Voltage SIR Autospec-Ultimate  
Sample#19 Text:K9LD8-1 AC :G9D030338-7 (5X) Exp:209DB5  
359,8415 S:19 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1992,0,0,00%,F,T)  
100% A6.13E5



File:23AP099D5 #1-387 Acq:24-APR-2009 05:10:02 GC EI + Voltage SIR Autospec-Ultimate

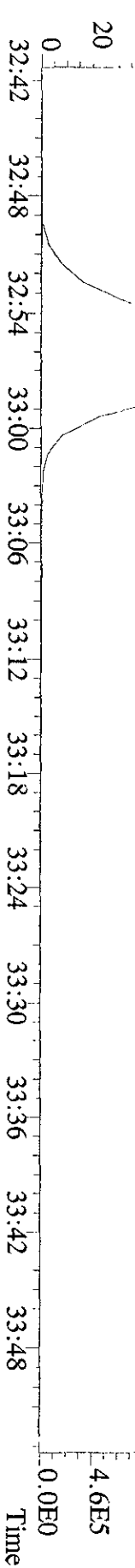
Sample#19 Text:K9LID8-1-AC :G9D030338-7 Exp:209DB5

359.8415 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1992.0,0.00%,F,T)

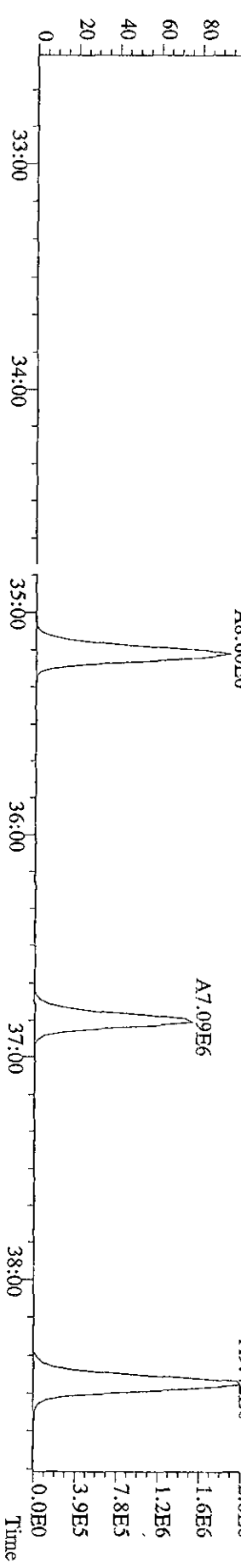
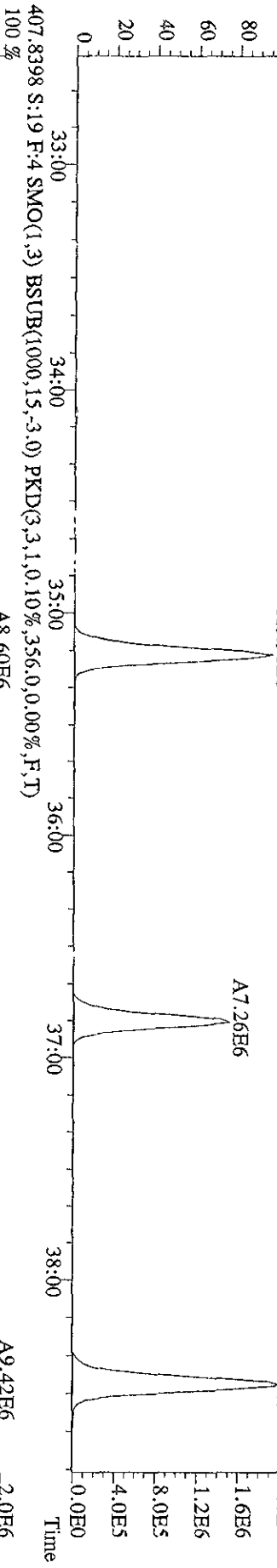
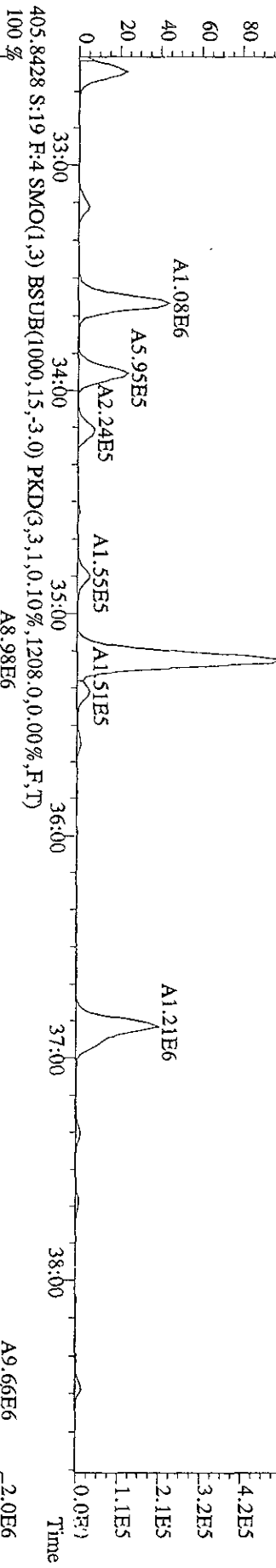
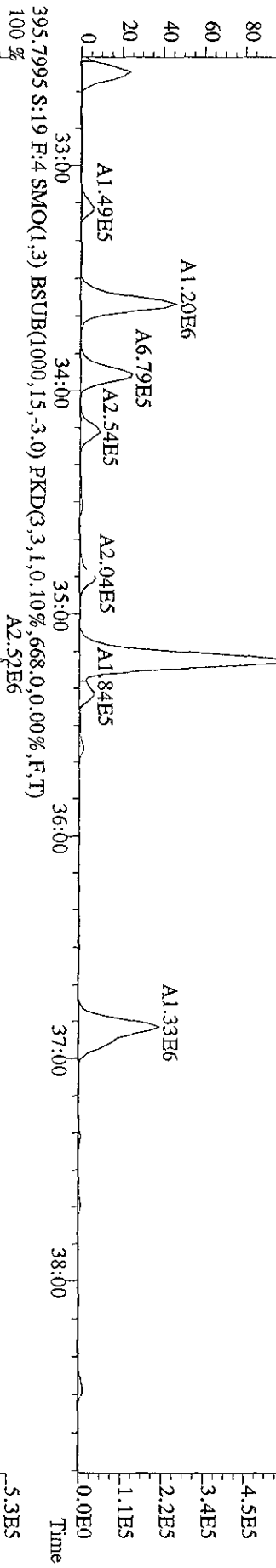


- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VP Date 5.6.09



File:23AP099D5 #1-387 Acq:24-APR-2009 05:10:02 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#19 Text:K9LD8-1.AC :G9D03038-7 (5X) T:3:209DB5  
 393.8025 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1452,0,0,00%,F,T) A2.70E6  
 100 %



Run text: K9LD9-1-AC      Sample text: K9LD9-1-AC :G9D030338-8  
 Run #16 Filename: 29AP09C9D5 S: 23 I: 1      Results: 29ap09c9d51668msldec  
 Acquired: 30-APR-09 14:04:16      Processed: 30-APR-09 16:41:34  
 Run: 29AP09C9D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.26 g

*RL = 2*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	82684000	0.66 y	24:26	-	3.30	-	-	n
13C-TCB-81	82889600	0.77 y	26:00	0.95	206.29	0.40	105.8	n
TCB-81	671179	0.79 y	26:00	1.28	1.23	0.22	-	n
13C-TCB-77	85829700	0.78 y	26:33	0.98	205.97	0.39	105.7	n
TCB-77	4523010	0.80 y	26:34	1.10	9.31	0.26	-	n
13C-PeCB-123	73129900	0.66 y	27:55	0.87	197.84	0.21	101.5	n
PeCB-123	1862779	0.63 y	27:58	1.51	3.29	0.24	-	y
13C-PeCB-118	73766400	0.64 y	28:04	0.98	176.64	0.18	90.6	n
PeCB-118/106	24198140	0.59 y	28:05	1.53	41.85	0.23	-	y
13C-PeCB-114	74958900	0.65 y	28:42	0.97	182.88	0.19	93.8	n
PeCB-114	906910	0.55 y	28:43	1.59	1.49	0.22	-	n
13C-PeCB-105	72804400	0.67 y	29:34	0.90	191.30	0.20	98.1	n
PeCB-105/127	16038620	0.60 y	29:35	1.42	30.19	0.26	-	n
13C-PeCB-126	77648300	0.65 y	31:28	0.91	200.83	0.20	103.0	n
PeCB-126	606265	0.86 n	31:29	1.17	1.30	0.33	-	n
13C-OcCB-202	75416900	0.84 y	33:45	-	2.86	-	-	n
13C-HxCB-167	89583600	1.30 y	32:35	0.84	275.14	0.45	141.1	n
HxCB-167	1307787	1.28 y	32:36	1.17	2.43	0.23	-	y
13C-HxCB-156	78659500	1.31 y	33:53	0.67	303.35	0.57	155.6	n
HxCB-156	5604770	1.16 y	33:54	1.45	9.56	0.21	-	n
13C-HxCB-157	83500000	1.30 y	34:11	0.71	305.34	0.54	156.6	n
HxCB-157	1144918	1.26 y	34:12	1.45	1.85	0.20	-	n
13C-HxCB-169	92334000	1.29 y	36:02	0.73	325.37	0.52	166.9	n
HxCB-169	*	* n	NotFnd	0.99	*	0.27	-	n
13C-HpCB-180	58767700	1.04 y	34:50	0.58	259.82	0.29	133.3	n
HpCB-180	58476800	1.12 y	34:52	1.27	153.31	0.39	-	n
13C-HpCB-170	49052600	1.06 y	36:29	0.47	267.25	0.36	137.1	n
HpCB-170/190	27642600	1.11 y	36:30	1.61	68.38	0.36	-	n
13C-HpCB-189	66419500	1.05 y	38:07	0.60	286.83	0.29	147.1	n
HpCB-189	980332	1.25 n	38:08	1.21	2.38	0.35	-	n
13C-DeCB-209	31360600	0.72 y	43:27	0.46	176.15	0.15	90.4	n
DeCB-209	660409	0.70 y	43:28	1.50	2.73	0.24	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.18	*	n

*Vp 5.6.09*

Run text: K9LD9-1-AC      Sample text: K9LD9-1-AC :G9D030338-8  
 Run #16 Filename: 29AP09C9D5 S: 23 I: 1      Results: 29ap09c9d51668msldec  
 Acquired: 30-APR-09 14:04:16      Processed: 30-APR-09 16:41:34  
 Run: 29AP09C9D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.43 g 10.26

RL = 2

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	82684000	0.66 y	24:26	-	3.24	-	-	n
13C-TCB-81	82889600	0.77 y	26:00	0.95	203.01	0.40	105.8	n
TCB-81	671179	0.79 y	26:00	1.28	1.22 L2	0.22	-	n
13C-TCB-77	85829700	0.78 y	26:33	0.98	202.69	0.38	105.7	n
TCB-77	4523010	0.80 y	26:34	1.10	9.16 NDC	0.26	-	n
13C-PeCB-123	73129900	0.66 y	27:55	0.87	194.69	0.20	101.5	n
PeCB-123	1862779	0.63 y	27:58	1.51	3.24 NDC	0.23	-	y
13C-PeCB-118	73766400	0.64 y	28:04	0.98	173.83	0.18	90.6	n
PeCB-118/106	24198140	0.59 y	28:05	1.53	41.18 /	0.23	-	y
13C-PeCB-114	74958900	0.65 y	28:42	0.97	179.96	0.18	93.8	n
PeCB-114	906910	0.55 y	28:43	1.59	1.46 L2	0.22	-	n
13C-PeCB-105	72804400	0.67 y	29:34	0.90	188.25	0.20	98.1	n
PeCB-105/127	16038620	0.60 y	29:35	1.42	29.71 ✓	0.26	-	n
13C-PeCB-126	77648300	0.65 y	31:28	0.91	197.63	0.20	103.0	n
PeCB-126	606265	0.86 n	31:29	1.17	1.28 L2	0.32	-	n
13C-OcCB-202	75416900	0.84 y	33:45	-	2.81	-	-	n
13C-HxCB-167	89583600	1.30 y	32:35	0.84	270.76	0.45	141.1	n
HxCB-167	1307787	1.28 y	32:36	1.17	2.40 ✓	0.23	-	y
13C-HxCB-156	78659500	1.31 y	33:53	0.67	298.52	0.56	155.6	n
HxCB-156	5604770	1.16 y	33:54	1.45	9.41 ✓	0.21	-	n
13C-HxCB-157	83500000	1.30 y	34:11	0.71	300.48	0.53	156.6	n
HxCB-157	1144918	1.26 y	34:12	1.45	1.82 L2	0.20	-	n
13C-HxCB-169	92334000	1.29 y	36:02	0.73	320.19 L	0.51	166.9	n
HxCB-169	*	* n	NotFnd	0.99	*	0.27	-	n
13C-HpCB-180	58767700	1.04 y	34:50	0.58	<del>155.69</del>	0.29	133.3	n
HpCB-180	58476800	1.12 y	34:52	1.27	<del>150.87</del>	0.38	-	n
13C-HpCB-170	49052500	1.06 y	36:29	0.47	<del>268.00</del>	0.35	137.1	n
HpCB-170/190	27642600	1.11 y	36:30	1.61	<del>67.29</del>	0.35	-	n
13C-HpCB-189	66419500	1.05 y	38:07	0.60	282.26	0.28	147.1	n
HpCB-189	980332	1.25 n	38:08	1.21	2.35 JA	0.34	-	n
13C-DeCB-209	31360600	0.72 y	43:27	0.46	173.35	0.15	90.4	n
DeCB-209	660409	0.70 y	43:28	1.50	2.68	0.24	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.18	*	n

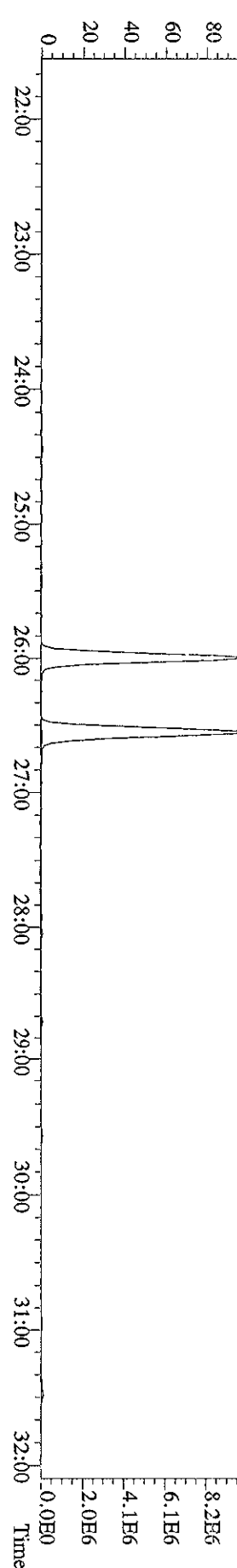
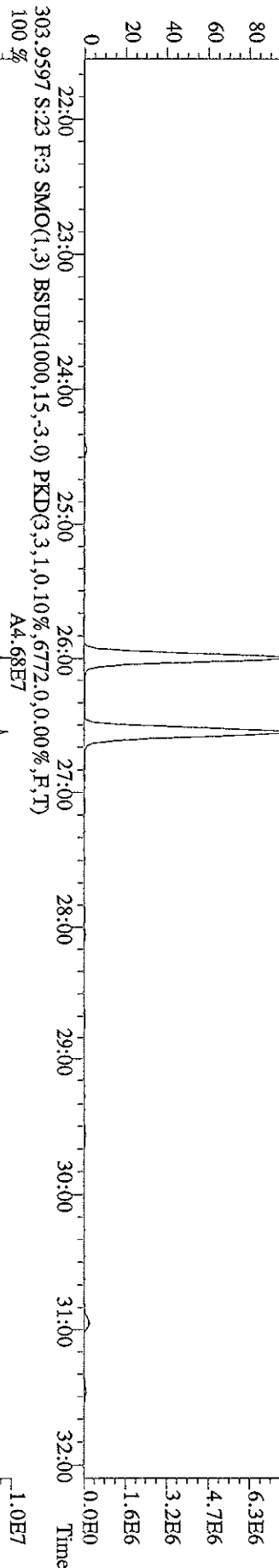
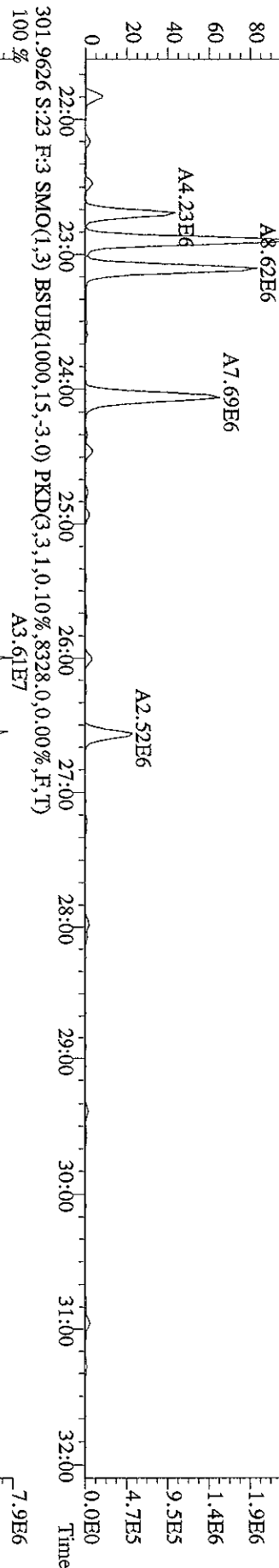
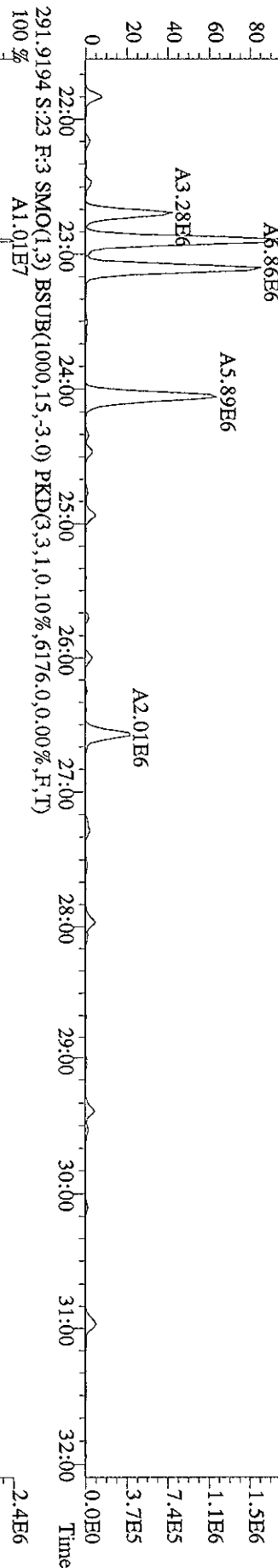
V/S 5.6.09

Run text: K9LD9-1-AC Sample text: K9LD9-1-AC :G9D030338-8 ✓  
 Run #16 Filename: 29AP09C9D5 S: 23 I: 1 Results: 29AP09C9D51668MSLDEC  
 Acquired: 30-APR-09 14:04:16 Processed: 30-APR-09 16:41:34  
 Run: 29AP09C9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.42607g

RC=2

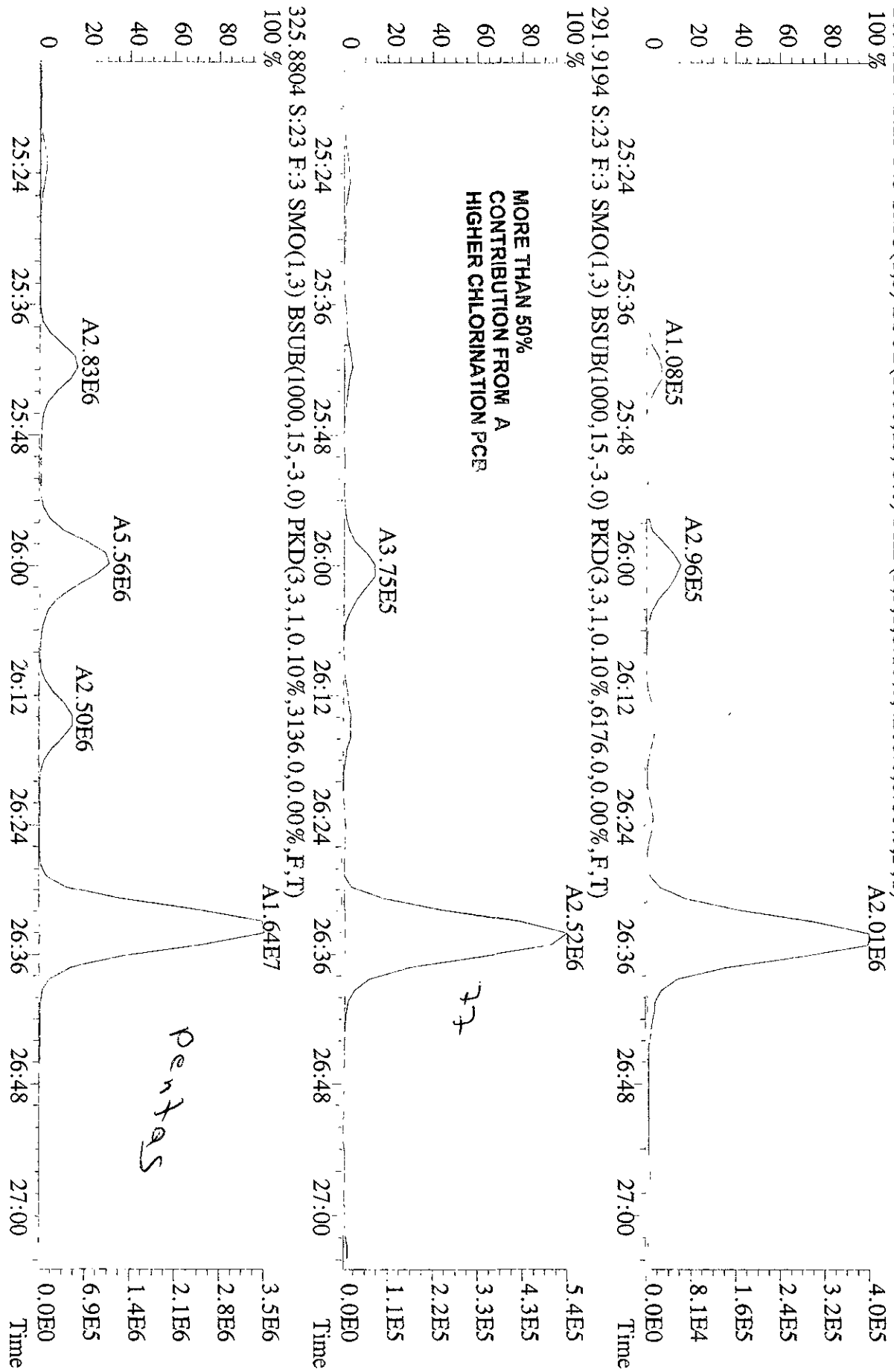
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	82683968	0.66 y	24:26	-	3.24		-	n
13C-TCB-81	82889544	0.77 y	25:60	0.95	203.01	0.40	105.8	n
TCB-81	671179	0.79 y	25:60	1.28	1.22	0.22	-	n
13C-TCB-77	85829708	0.78 y	26:33	0.98	202.69	0.38	105.7	n
TCB-77	4523012	0.80 y	26:34	1.10	9.10	0.26	-	n
13C-PeCB-123	73129906	0.66 y	27:55	0.87	194.69	0.20	101.5	n
PeCB-123	*	* n	NotFnd	1.51	*	0.23	-	n
13C-PeCB-118	73766416	0.64 y	28:04	0.98	173.83	0.18	90.6	n
PeCB-118/106	25945425	0.60 y	28:05	1.53	44.16	0.23	-	n
13C-PeCB-114	74958842	0.65 y	28:42	0.97	179.96	0.18	93.8	n
PeCB-114	906910	0.55 y	28:42	1.59	1.46	0.22	-	n
13C-PeCB-105	72804476	0.67 y	29:34	0.90	188.25	0.20	98.1	n
PeCB-105/127	16038607	0.60 y	29:35	1.42	29.71	0.26	-	n
13C-PeCB-126	77648192	0.65 y	31:28	0.91	197.63	0.20	103.0	n
PeCB-126	*	* n	NotFnd	1.17	*	0.32	-	n
13C-OcCB-202	75416916	0.84 y	33:45	-	2.81	-	-	n
13C-HxCB-167	89583572	1.30 y	32:35	0.84	270.76	0.45	141.1	n
HxCB-167	7871509	1.28 y	32:31	1.17	14.42	0.23	-	n
13C-HxCB-156	78659416	1.31 y	33:53	0.67	298.52	0.56	155.6	n
HxCB-156	5604766	1.16 y	33:54	1.45	9.41	0.21	-	n
13C-HxCB-157	83499976	1.30 y	34:11	0.71	300.48	0.53	156.6	n
HxCB-157	1144919	1.26 y	34:12	1.45	1.82	0.20	-	n
13C-HxCB-169	92334028	1.29 y	36:02	0.73	320.10	0.51	166.9	n
HxCB-169	*	* n	NotFnd	0.99	*	0.27	-	n
13C-HpCB-180	58767662	1.04 y	34:50	0.58	255.69	0.29	133.3	n
HpCB-180	58476756	1.12 y	34:52	1.27	150.87	0.38	-	n
13C-HpCB-170	49052562	1.06 y	36:29	0.47	263.00	0.35	137.1	n
HpCB-170/190	27642590	1.11 y	36:30	1.61	67.29	0.35	-	n
13C-HpCB-189	66419482	1.05 y	38:07	0.60	282.26	0.28	147.1	n
HpCB-189	980332	1.25 n	38:08	1.21	2.35	0.34	-	n
13C-DeCB-209	31360605	0.72 y	43:27	0.46	173.35	0.15	90.4	n
DECB-209	660409	0.70 y	43:28	1.50	2.68	0.24	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.18	*	n

File:29AP09C9D5 #1-594 Acq:30-APR-2009 14:04:16 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#23 Text:K9LD9-1-AC :G9D030338-8 Exp:209DB5  
 289.9224 S:23 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4208,0,0.00%,F,T)  
 100% A7.99E6 A6.86E6



File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 14:04:16 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#23 Text: K9LD9-1-AC : G9D030338-8 Exp: 209DB5  
 289.9224 S:23 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4208,0,0.00%,F,T)

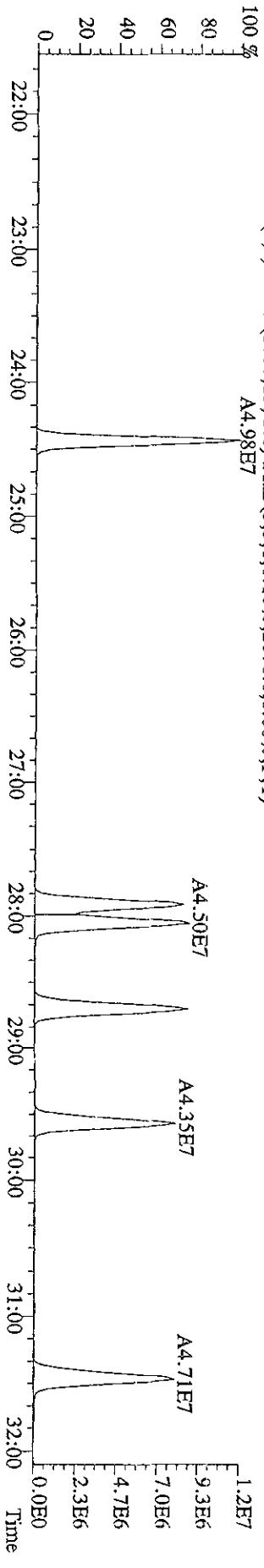
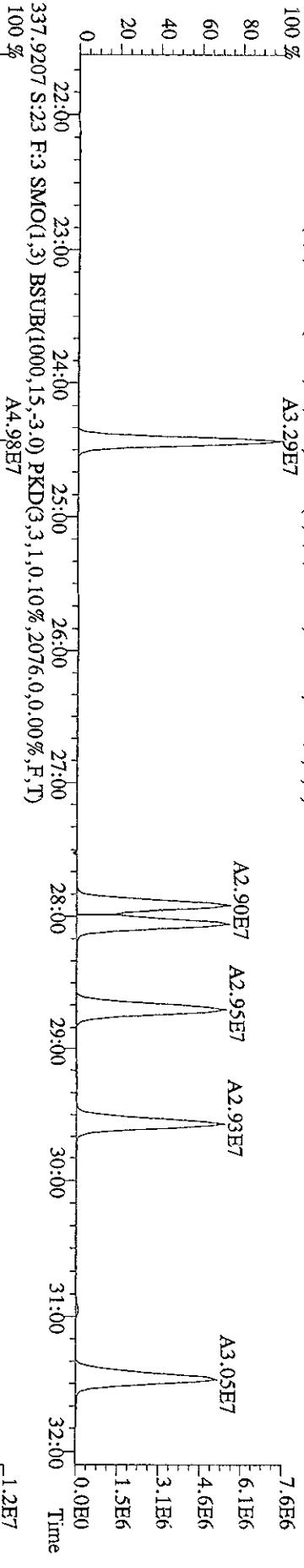
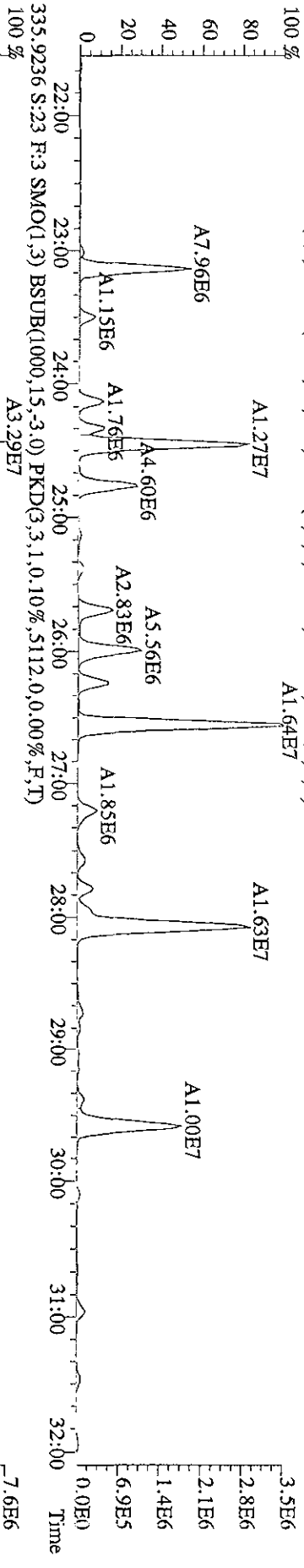
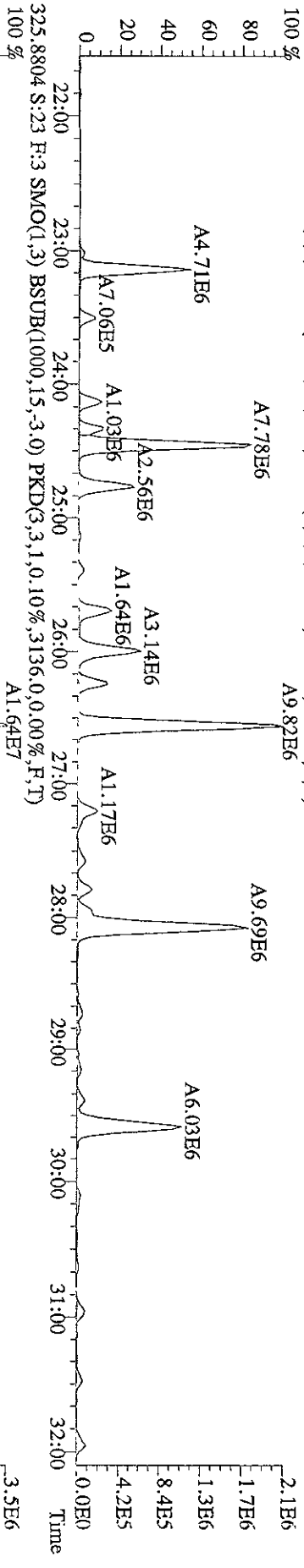
MORE THAN 50%  
 CONTRIBUTION FROM A  
 HIGHER CHLORINATION PCB



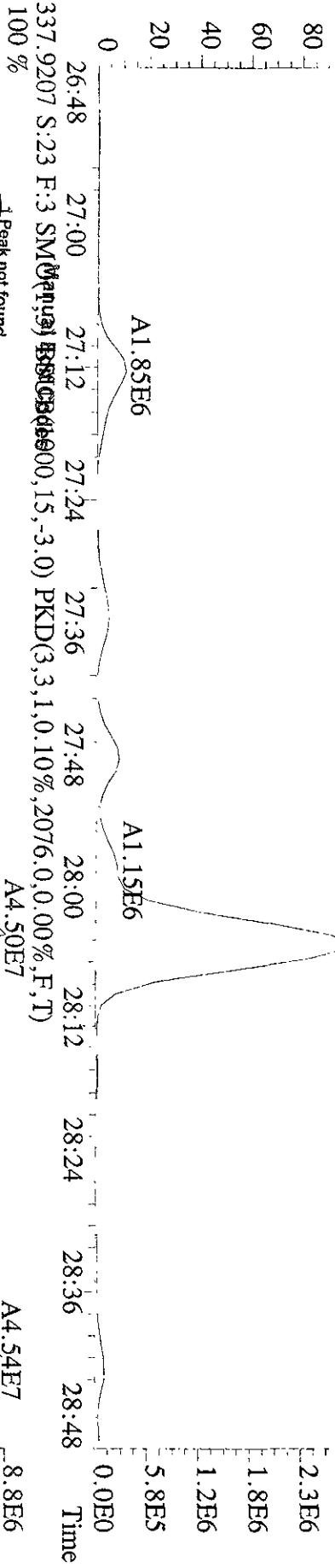
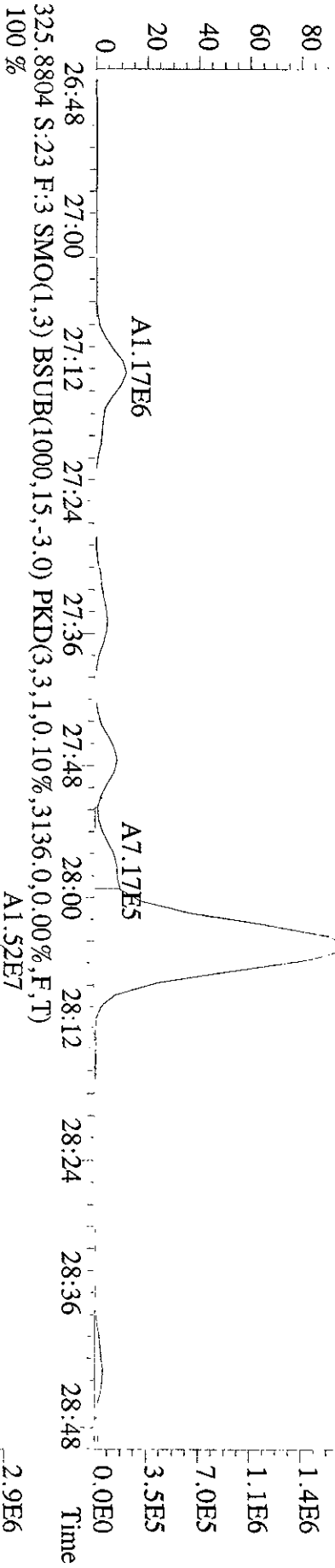
*Pentach*



File:29AP09C9D5 #1-594 Acq:30-APR-2009 14:04:16 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#23 Text:K9LD9-1-AC :G9D03038-8 Exp:209DB5  
 323.8834 S:23 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,7272.0,0.00%,F,T)  
 100%



File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 14:04:16 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#23 Text: K9LD9-1-AC : G9D030338-8 Exp: 209DB5  
 323.8834 S:23 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7272.0,0.00%,F,T)  
 100%



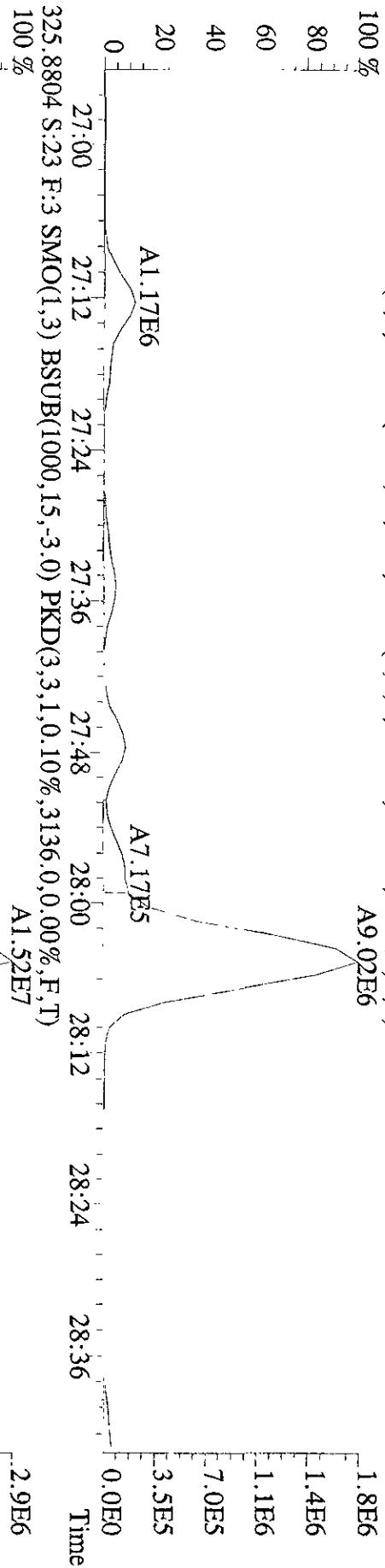
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VP Date 5.6.09

File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 14:04:16 GC EI+ Voltage SIR Autospec-Ultimate

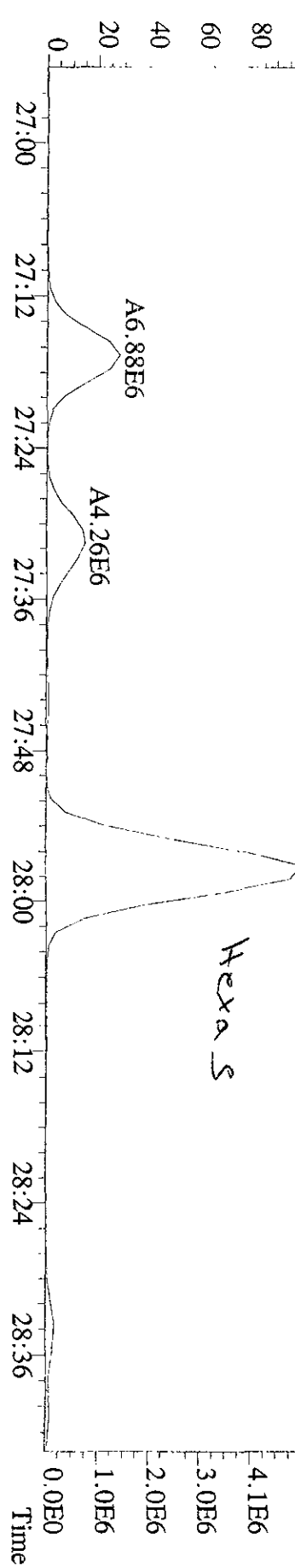
Sample#23 Text: K9LD9-1-AC : G9D030338-8 Exp: 209DB5

323.8834 S:23 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7272.0,0.00%,F,T) 100%

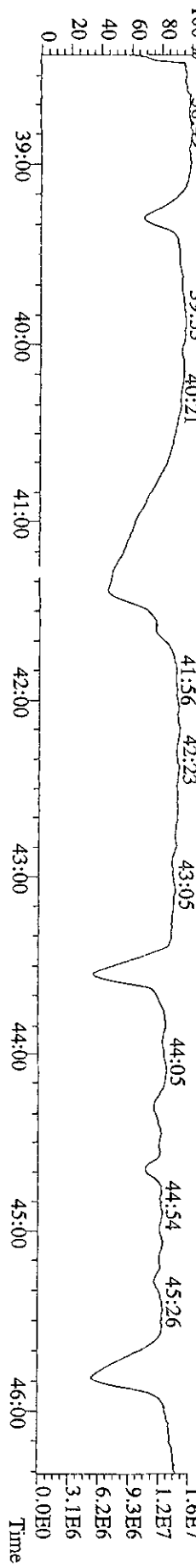
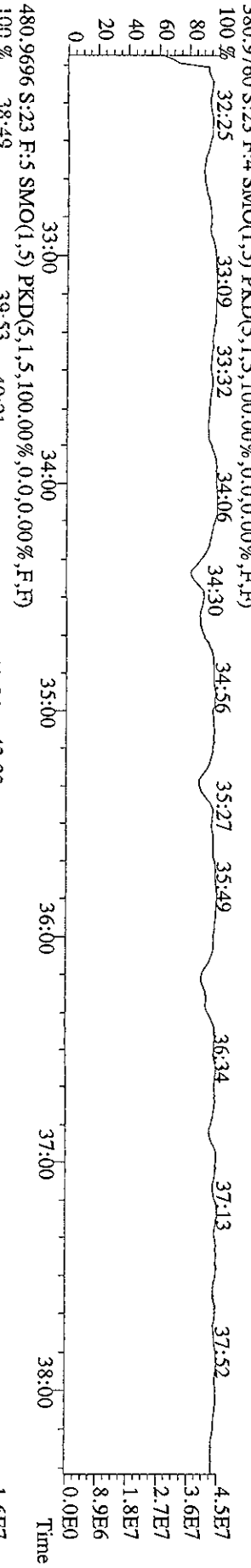
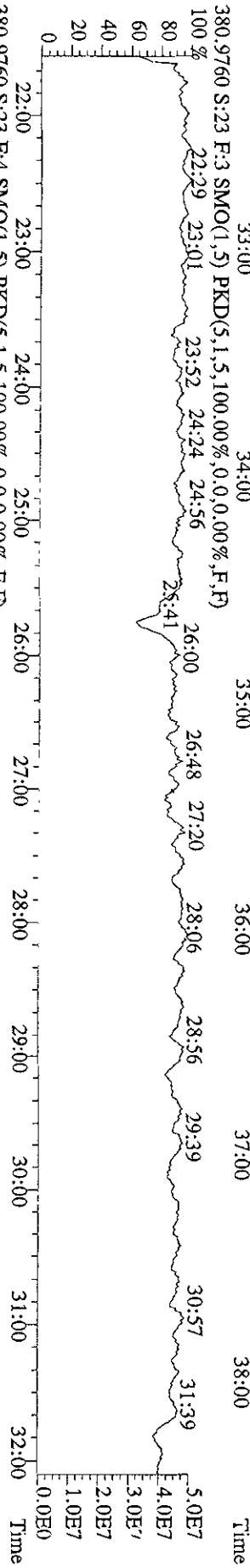
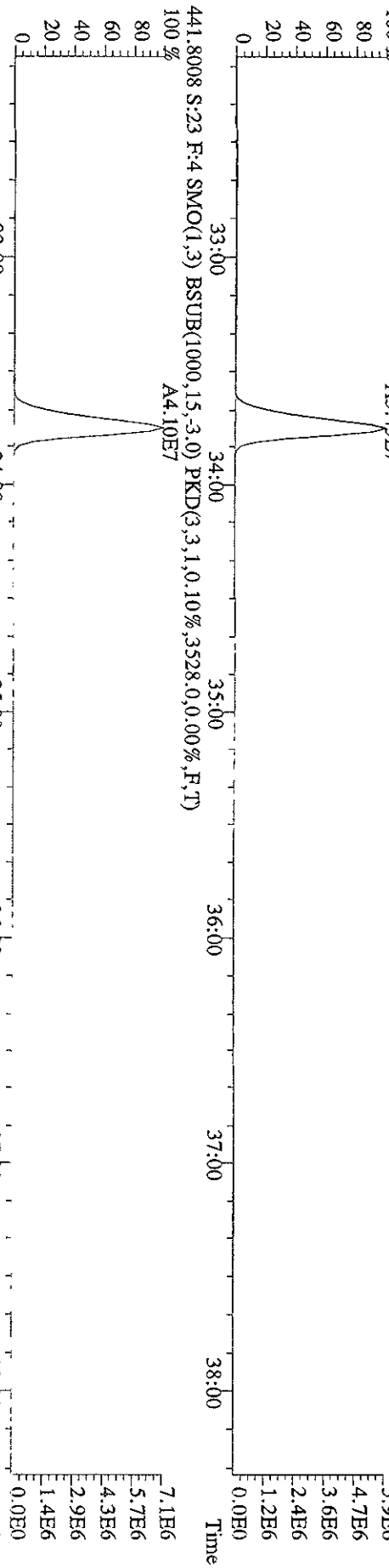


MORE THAN 50% CONTRIBUTION FROM A HIGHER CHLORINATION PCP

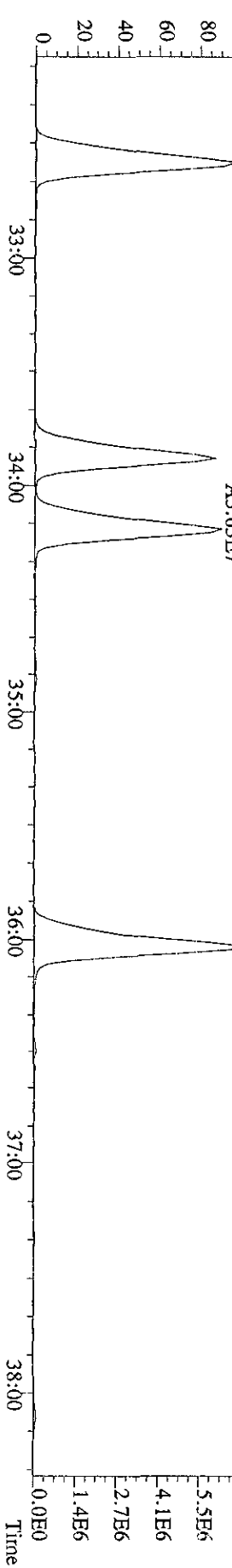
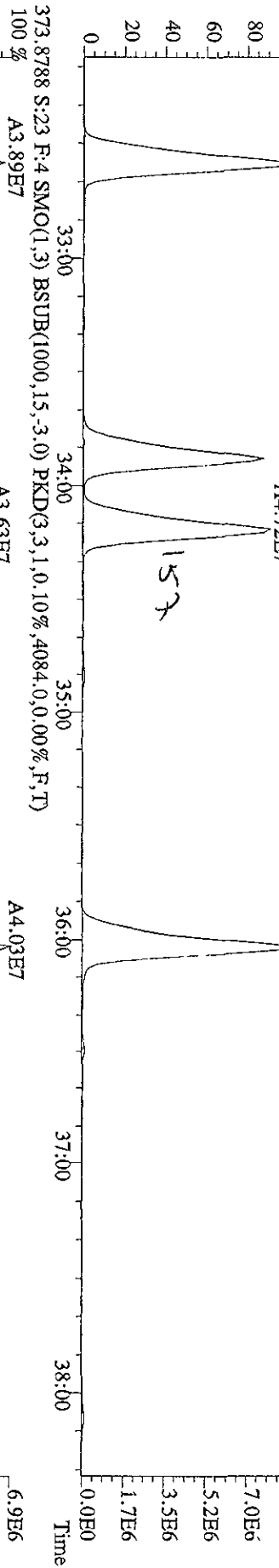
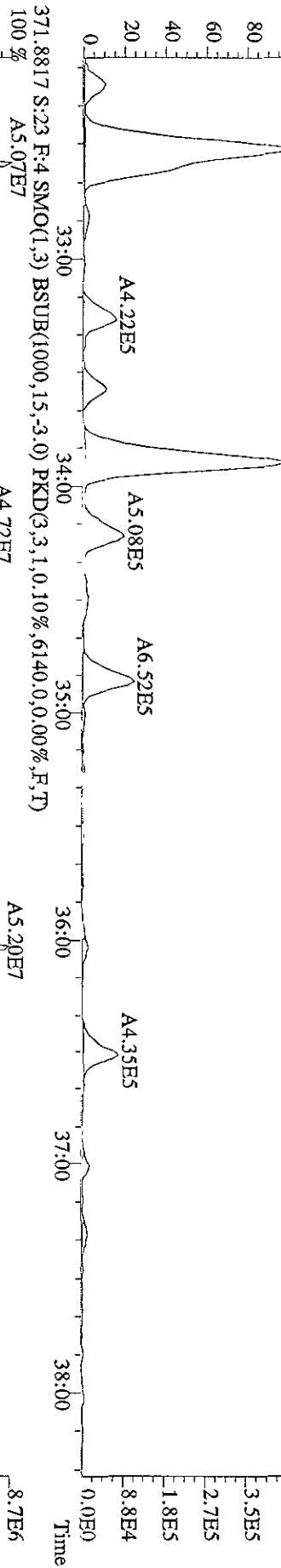
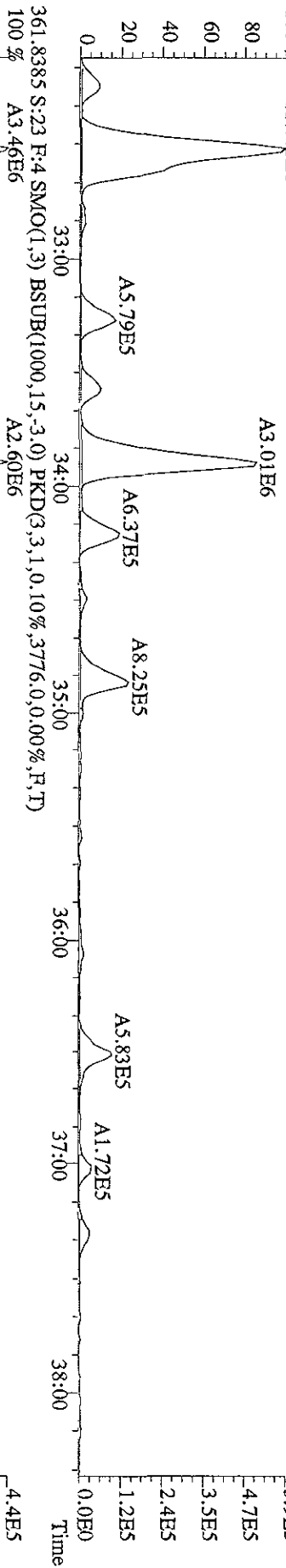
359.8415 S:23 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2116.0,0.00%,F,T) 100%



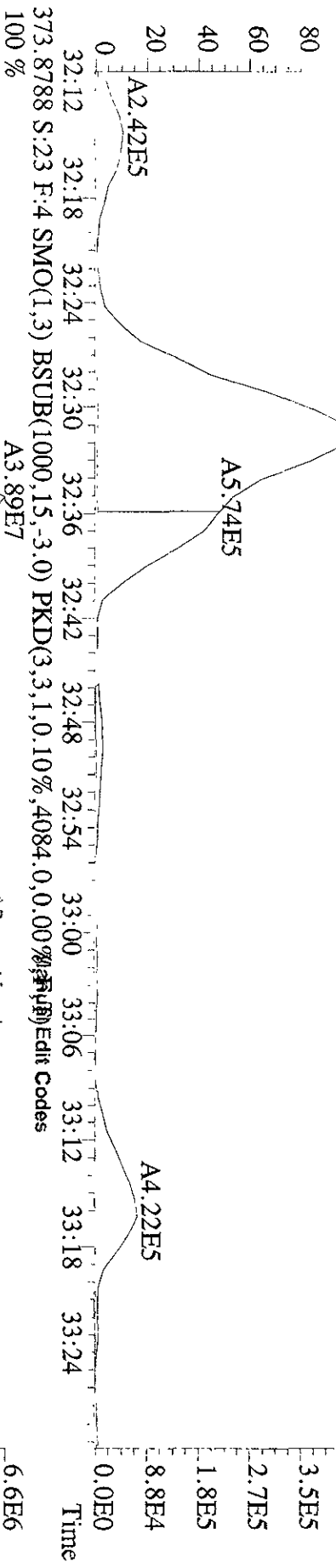
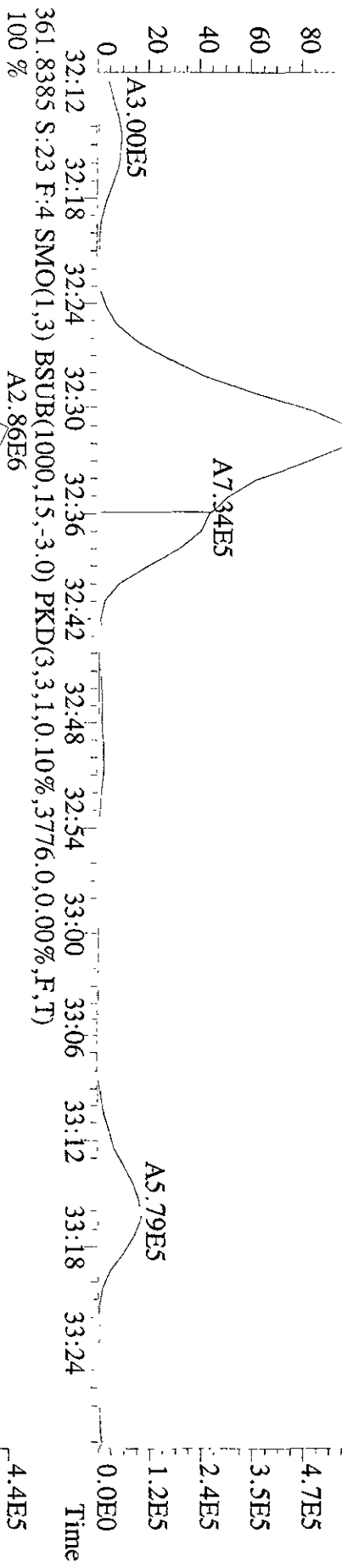
File:29AP09C9D5 #1-381 Acq:30-APR-2009 14:04:16 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#23 Text:K9LD9-1-AC :G9D030338-8 Exp:209DB5  
 439,8038 S:23 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,1800,0,0.00%,F,T)  
 100 % A3.45E7



File:29AP09C9D5 #1-381 Acq:30-APR-2009 14:04:16 GC FI+ Voltage SIR Autospec-UltimaB  
 Sample#23 Text:K9LD9-1-AC :G9D030338-8 Exp:209DB5  
 359.8415 S:23 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4788,0,0,00%,F,T)  
 100% A4.41E6



File: 29AP09C9D5 #1-381 Acq: 30-APR-2009 14:04:16 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#23 Text: K9LD9-1-AC : G9D030338-8 Exp: 209DB5  
 359.8415 S: 23 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4788.0,0.00%,F,T)  
 100 % A3.65E6

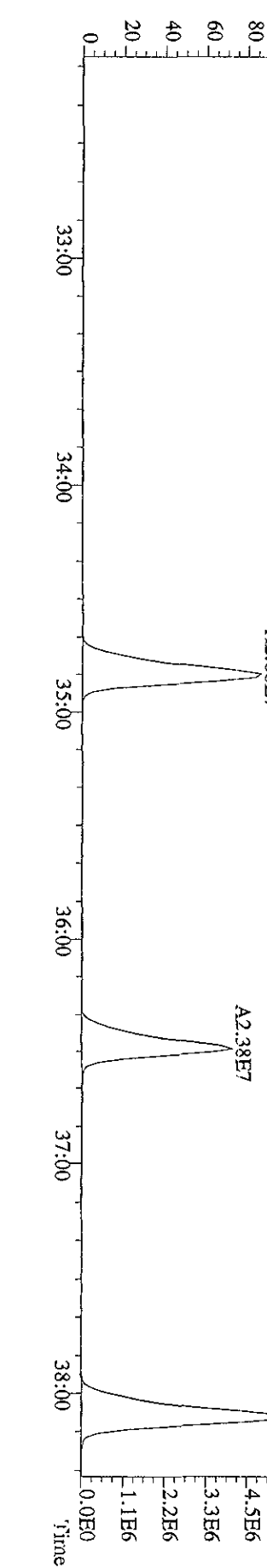
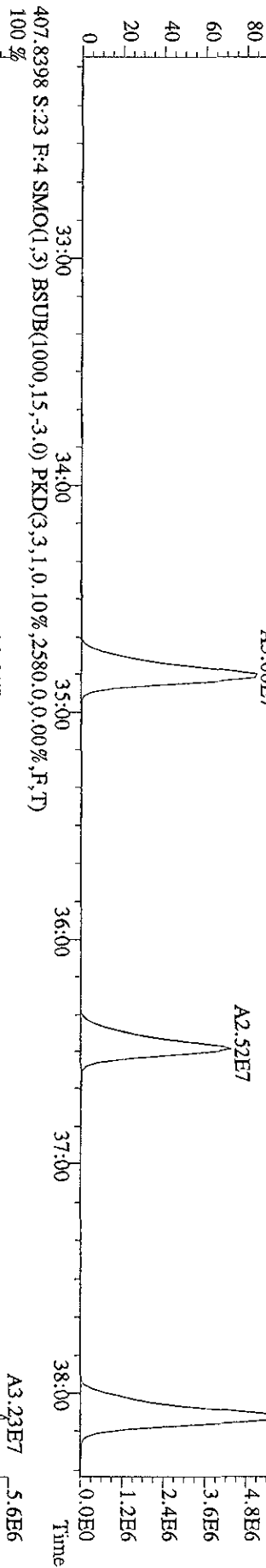
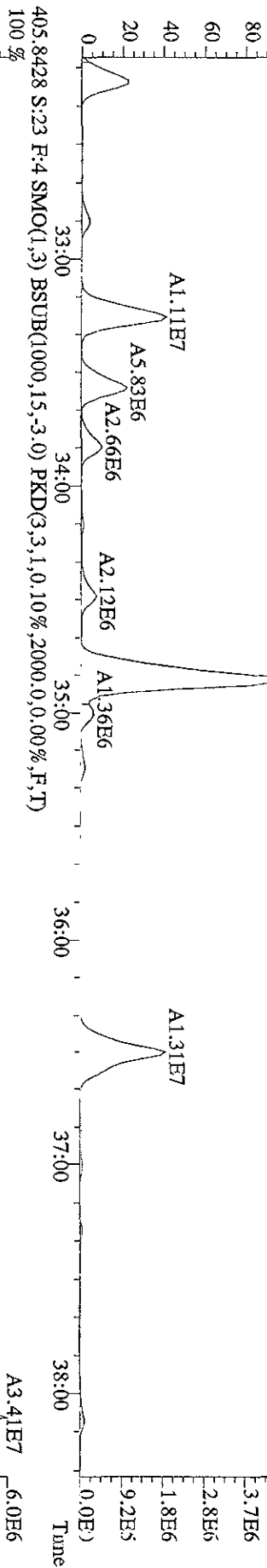
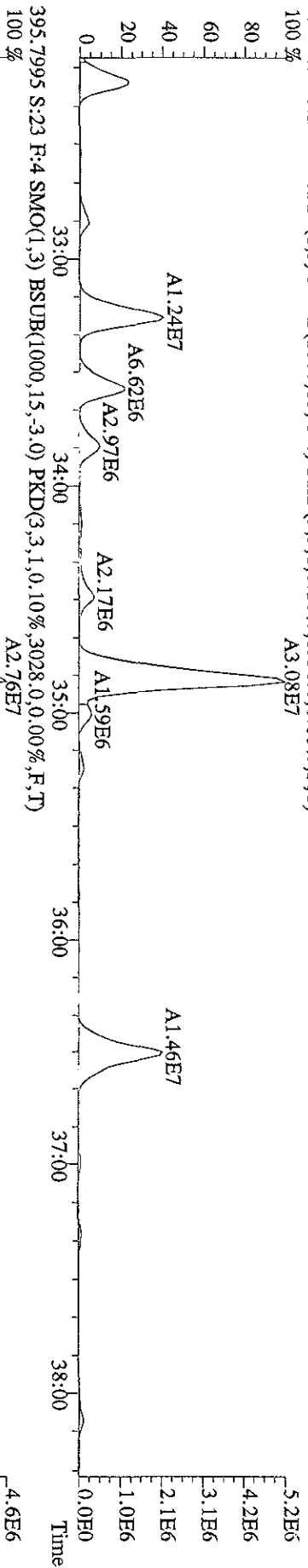


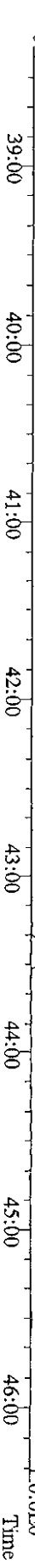
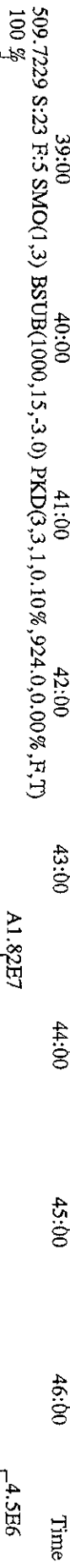
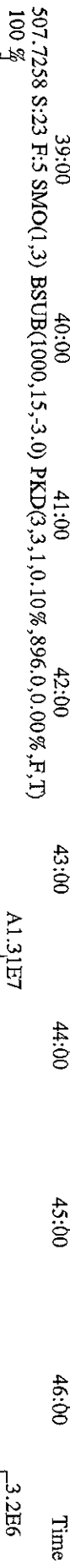
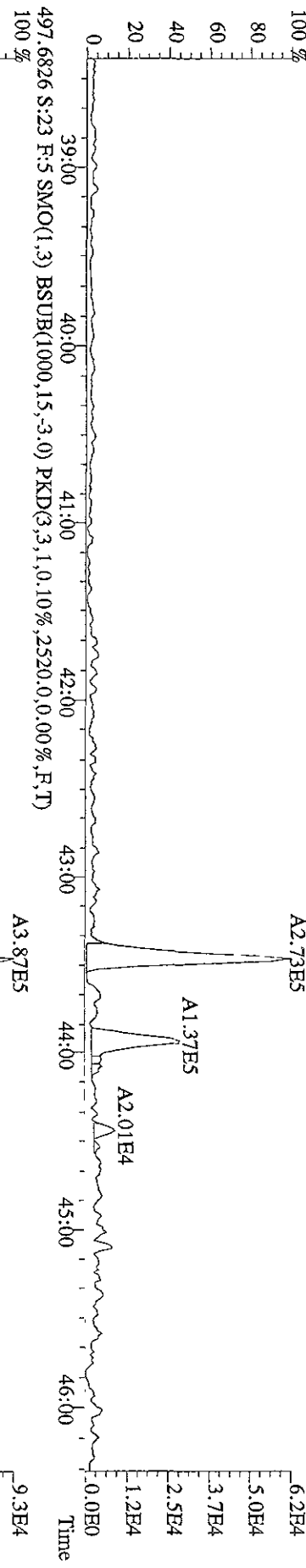
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VP Date 5.6.09

373.8788 S: 23 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4084.0,0.00%,F,T) Edit Codes

File:29AP09C9D5 #1-381 Acq:30-APR-2009 14:04:16 GC EI+ Voltage S1R Autospec-UltimaB  
 Sample#23 Text:K9ILD9-1-AC :G9D030338-8 Exp:209DB5  
 393.8025 S.:23 F.:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6936,0,0,00%,F,T)  
 100 %







Run text: K9LD9-1-AD      Sample text: K9LD9-1-AD :G9D030338-8X  
 Run #15 Filename: 29AP09C9D5 S: 22 I: 1      Results: 29ap09c9d51668msldec  
 Acquired: 30-APR-09 13:12:57      Processed: 30-APR-09 14:42:01  
 Run: 29AP09C9D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.43 g

RL=2

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	177345800	0.65 y	24:26	-	6.95	-	-	n
13C-TCB-81	180036800	0.80 y	26:01	0.95	205.50	0.23	107.2	n
TCB-81	1349635	0.72 y	26:01	1.28	1.12 L2	0.16	-	n
13C-TCB-77	180876400	0.79 y	26:34	0.98	199.08	0.23	103.8	n
TCB-77	10251620	0.81 y	26:35	1.10	9.85 MDG	0.20	-	n
13C-PeCB-123	146026000	0.65 y	27:55	0.87	181.18	0.11	94.5	n
PeCB-123	5628580	0.63 y	27:59	1.51	4.90 MDG	0.12	-	y
13C-PeCB-118	149898100	0.65 y	28:03	0.98	164.62	0.10	85.9	n
PeCB-118/106	56137000	0.61 y	28:04	1.53	47.00 ✓	0.11	-	y
13C-PeCB-114	153418400	0.66 y	28:42	0.97	171.66	0.10	89.5	n
PeCB-114	1173336	0.47 n	28:43	1.59	0.92 L2	0.11	-	n
13C-PeCB-105	146669200	0.66 y	29:34	0.90	176.75	0.11	92.2	n
PeCB-105/127	27868300	0.59 y	29:35	1.42	25.62 ✓	0.14	-	n
13C-PeCB-126	157087700	0.63 y	31:28	0.91	186.34	0.11	97.2	n
PeCB-126	1339568	0.87 n	31:29	1.17	1.39 L2	0.16	-	n
13C-OcCB-202	168670600	0.85 y	33:45	-	6.28	-	-	n
13C-HxCB-167	200646000	1.31 y	32:36	0.84	271.05	0.31	141.4	n
HxCB-167	5850350	1.28 y	32:36	1.17	4.78 ✓ MDG	0.14	-	y
13C-HxCB-156	165653100	1.33 y	33:53	0.67	230.99	0.39	146.5	n
HxCB-156	15256780	1.29 y	33:55	1.45	12.16 ✓	0.14	-	n
13C-HxCB-157	176721900	1.30 y	34:12	0.71	284.24	0.37	148.2	n
HxCB-157	2465440	1.19 y	34:13	1.45	1.85 L2	0.13	-	n
13C-HxCB-169	194556700	1.29 y	36:02	0.73	301.55	0.36	157.3	n
HxCB-169	144683	1.01 n	36:03	0.99	0.14 L	0.17	-	n
13C-HpCB-180	125731800	1.04 y	34:51	0.58	244.50	0.14	127.5	n
HpCB-180	199011000	1.11 y	34:52	1.27	239.89	0.21	-	n
13C-HpCB-170	101030900	1.05 y	36:29	0.47	242.10	0.17	126.3	n
HpCB-170/190	94277000	1.10 y	36:30	1.61	111.39	0.20	-	n
13C-HpCB-189	145125600	1.05 y	38:06	0.60	275.66	0.13	143.8	n
HpCB-189	3589250	1.14 y	38:07	1.21	3.93 ✓	0.18	-	n
13C-DeCB-209	52260700	0.73 y	43:28	0.46	129.11	0.01	67.3	n
DeCB-209	1898222	0.75 y	43:29	1.50	4.63	0.05	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.10	*	n

V D 5.6.09

V D 5.6.09

Run text: K9LD9-1-AD Sample text: K9LD9-1-AD :G9D030338-8X ✓  
 Run #15 Filename: 29AP09C9D5 S: 22 I: 1 Results: 29AP09C9D51668MSLDEC  
 Acquired: 30-APR-09 13:12:57 Processed: 30-APR-09 14:42:01  
 Run: 29AP09C9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.43007g

*RL=2*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	177345800	0.65 y	24:26	-	6.95	-	-	n
13C-TCB-81	180036800	0.80 y	26:01	0.95	205.50	0.23	107.2	n
TCB-81	1349635	0.72 y	26:01	1.28	1.12	0.16	-	n
13C-TCB-77	180876400	0.79 y	26:34	0.98	199.08	0.23	103.8	n
TCB-77	10251620	0.81 y	26:35	1.10	9.85	0.20	-	n
13C-PeCB-123	146026000	0.65 y	27:55	0.87	181.18	0.11	94.5	n
PeCB-123	*	* n	NotFnd	1.51	*	0.12	-	n
13C-PeCB-118	149898100	0.65 y	28:03	0.98	164.62	0.10	85.9	n
PeCB-118/106	61620100	0.61 y	28:04	1.53	51.59	0.11	-	n
13C-PeCB-114	153418400	0.66 y	28:42	0.97	171.66	0.10	89.5	n
PeCB-114	1173336	0.47 n	28:43	1.59	0.92	0.11	-	n
13C-PeCB-105	146669200	0.66 y	29:34	0.90	176.75	0.11	92.2	n
PeCB-105/127	27868400	0.59 y	29:35	1.42	25.62	0.14	-	n
13C-PeCB-126	157087700	0.63 y	31:28	0.91	186.34	0.11	97.2	n
PeCB-126	1339570	0.87 n	31:29	1.17	1.39	0.16	-	n
13C-OcCB-202	168670600	0.85 y	33:45	-	6.28	-	-	n
13C-HxCB-167	200646000	1.31 y	32:36	0.84	271.05	0.31	141.4	n
HxCB-167	22954500	1.26 y	32:32	1.17	18.77	0.14	-	n
13C-HxCB-156	165653100	1.33 y	33:53	0.67	280.99	0.39	146.5	n
HxCB-156	15256780	1.29 y	33:55	1.45	12.16	0.14	-	n
13C-HxCB-157	176721800	1.30 y	34:12	0.71	284.24	0.37	148.2	n
HxCB-157	2465440	1.19 y	34:13	1.45	1.85	0.13	-	n
13C-HxCB-169	194556700	1.29 y	36:02	0.73	301.55	0.36	157.3	n
HxCB-169	144682	1.01 n	36:03	0.99	0.14	0.17	-	n
13C-HpCB-180	125731800	1.04 y	34:51	0.58	244.50	0.14	127.5	n
HpCB-180	199011000	1.11 y	34:52	1.27	239.89	0.21	-	n
13C-HpCB-170	101030900	1.05 y	36:29	0.47	242.10	0.17	126.3	n
HpCB-170/190	94277000	1.10 y	36:30	1.61	111.89	0.20	-	n
13C-HpCB-189	145125600	1.05 y	38:06	0.60	275.66	0.13	143.8	n
HpCB-189	3589250	1.14 y	38:07	1.21	3.93	0.18	-	n
13C-DeCB-209	52260700	0.73 y	43:28	0.46	129.11	0.01	67.3	n
DeCB-209	1898222	0.75 y	43:29	1.50	4.63	0.05	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.10	*	n

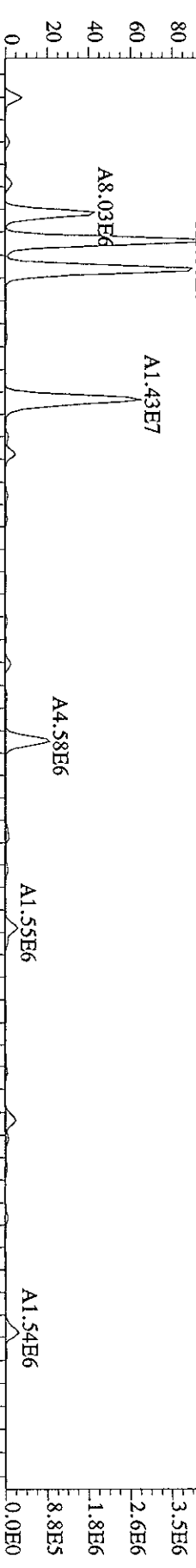
File:29AP09C9D5 #1-594 Acq:30-APR-2009 13:12:57 GC EI + Voltage SIR Autospec-UltimaB

Sample#22 Text:K9LID9-1-AD :G9D030338-8X

Exp:209DB5

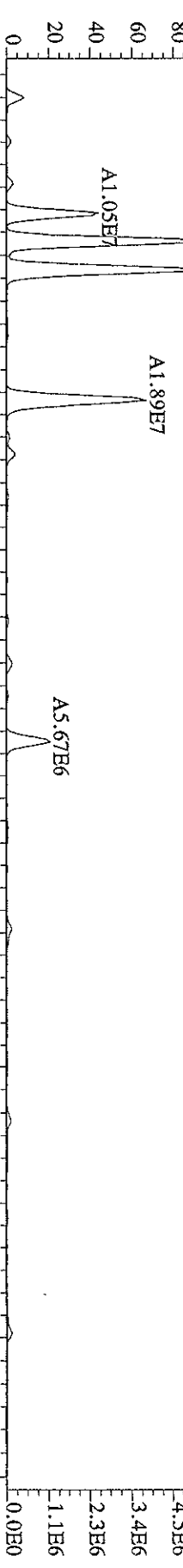
289.9224 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7312,0,0.00%,F,T)

100% A1.84E7  
A1.80E7



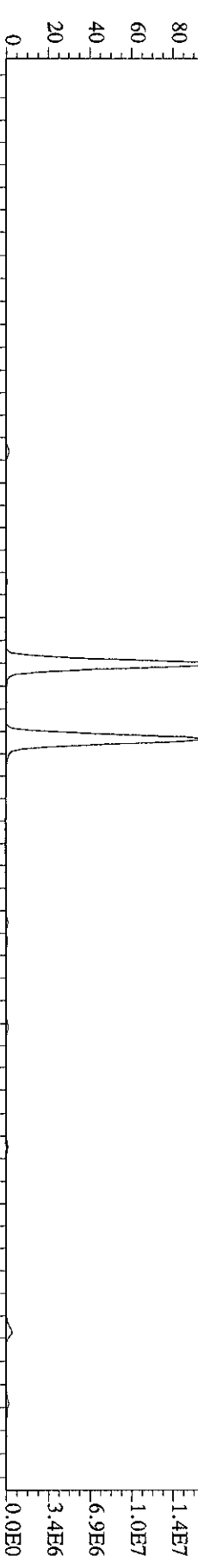
291.9194 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,9636,0,0.00%,F,T)

100% A2.35E7  
A2.30E7



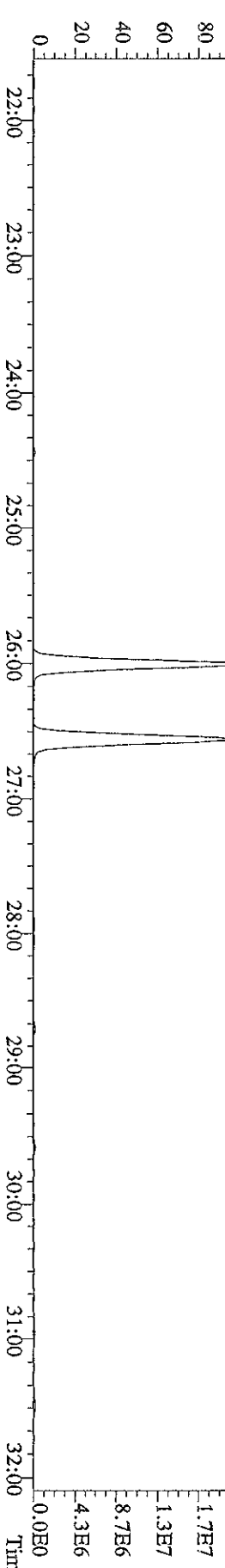
301.9626 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,10392,0,0.00%,F,T)

100% A7.99E7

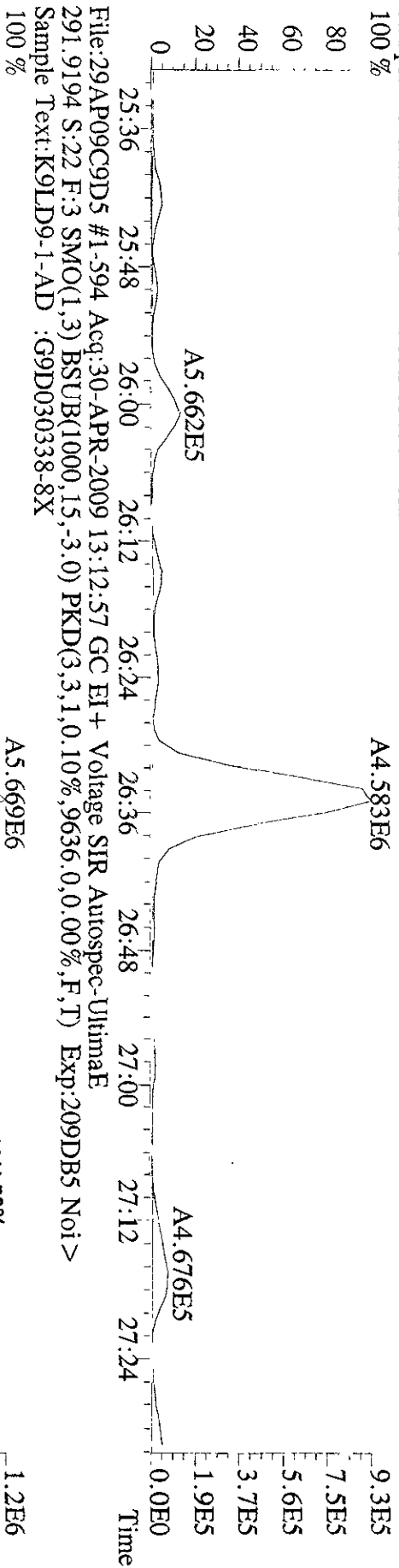


303.9597 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8104,0,0.00%,F,T)

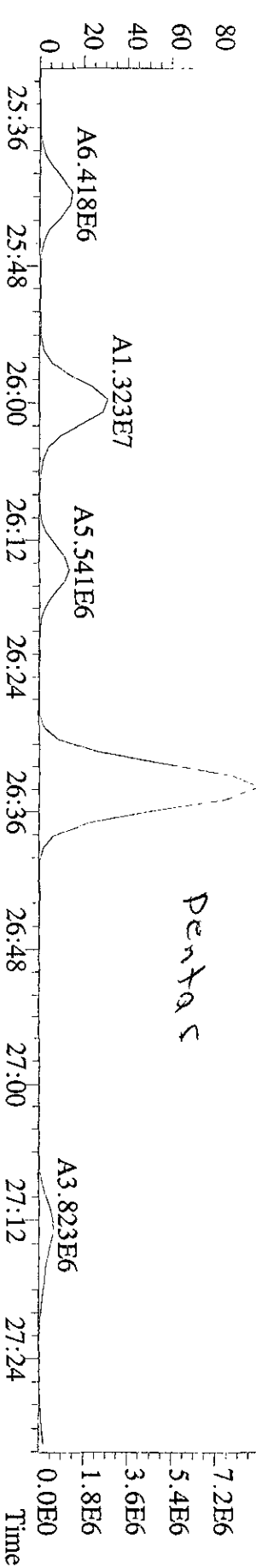
100% A1.00E8



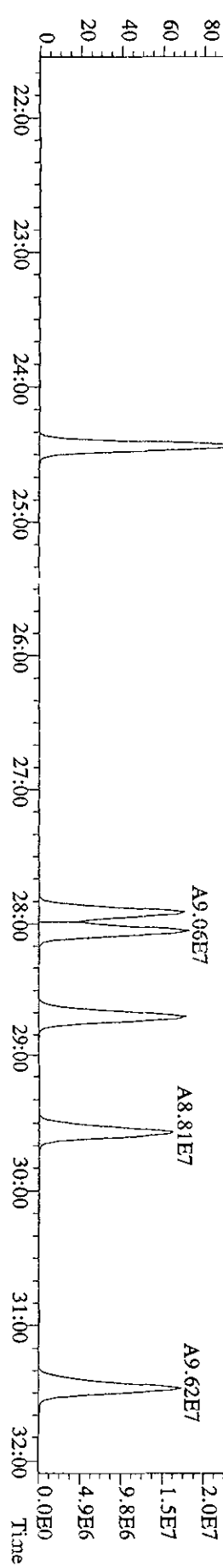
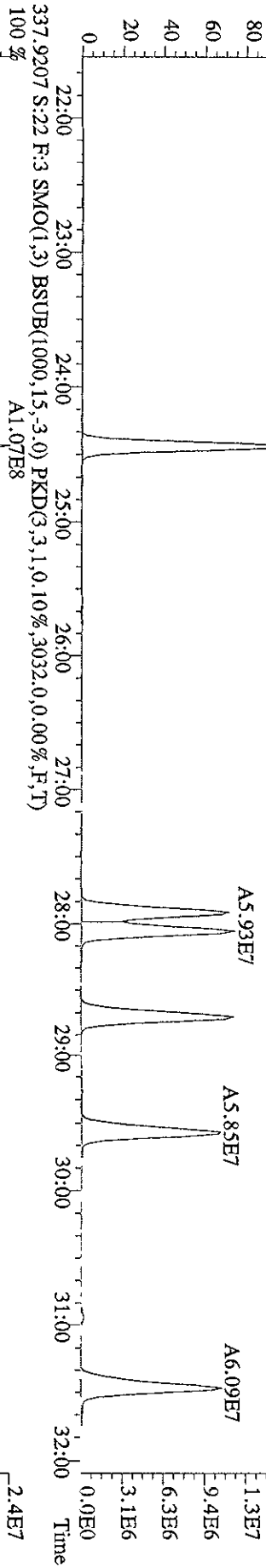
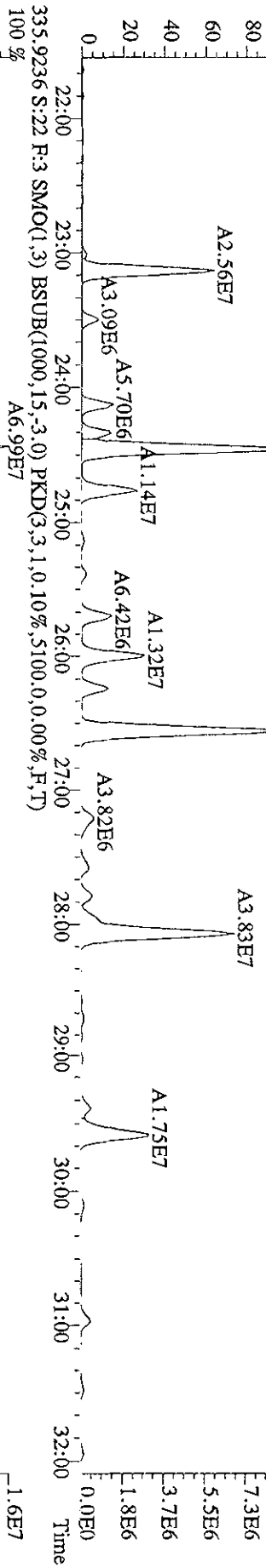
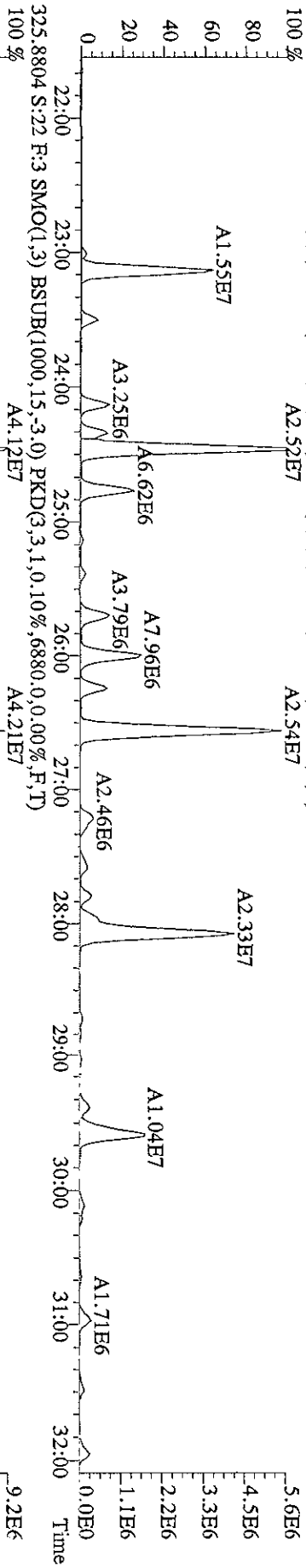
File:29AP09C9D5 #1-594 Acq:30-APR-2009 13:12:57 GC EI+ Voltage SIR Autospec-Ultimae  
 289.9224 S.:2.2 F.:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7312.0,0.00%,F,T) Exp:209DB5 Noi>  
 Sample Text:K9LD9-1-AD :G9D030338-8X  
 100 %



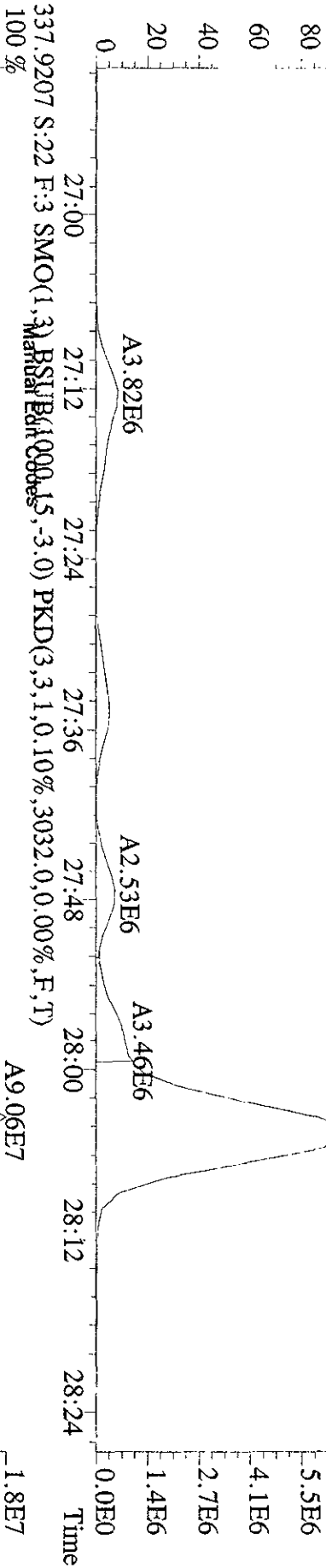
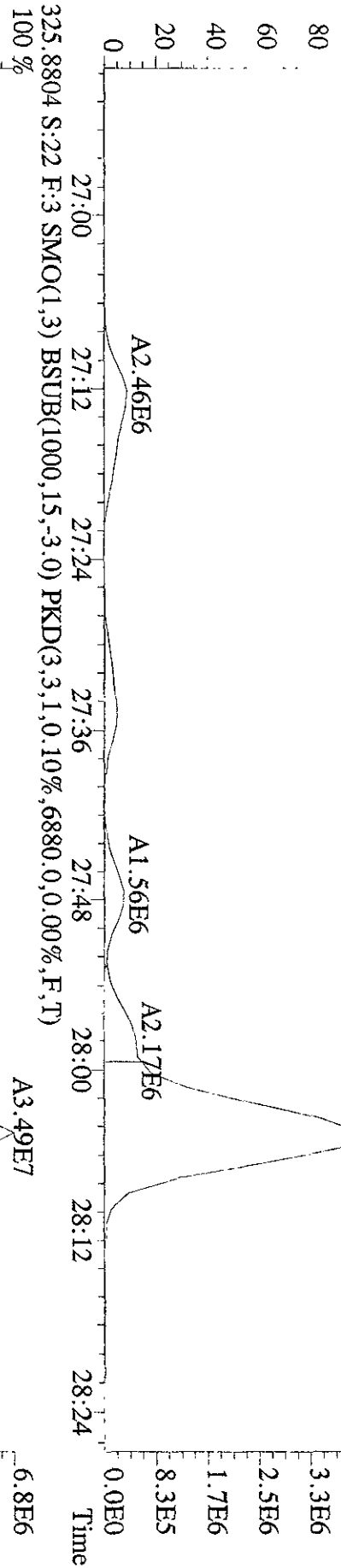
File:29AP09C9D5 #1-594 Acq:30-APR-2009 13:12:57 GC EI+ Voltage SIR Autospec-Ultimae  
 325.8804 S.:2.2 F.:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6880.0,0.00%,F,T) Exp:209DB5 Noi>  
 Sample Text:K9LD9-1-AD :G9D030338-8X  
 100 %



File:29AP09C9D5 #1-594 Acq:30-APR-2009 13:12:57 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#22 Text:K9LID9-1.AD :G9D030338-8X Exp:209DB5  
 323.8834 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3880,0,0.00%,F,T)  
 100 %



File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 13:12:57 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#22 Text: K9LID9-1-AD : G9D030338-8X Exp: 209DB5  
 323.8834 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3880.0,0.00%,F,T)  
 100 %

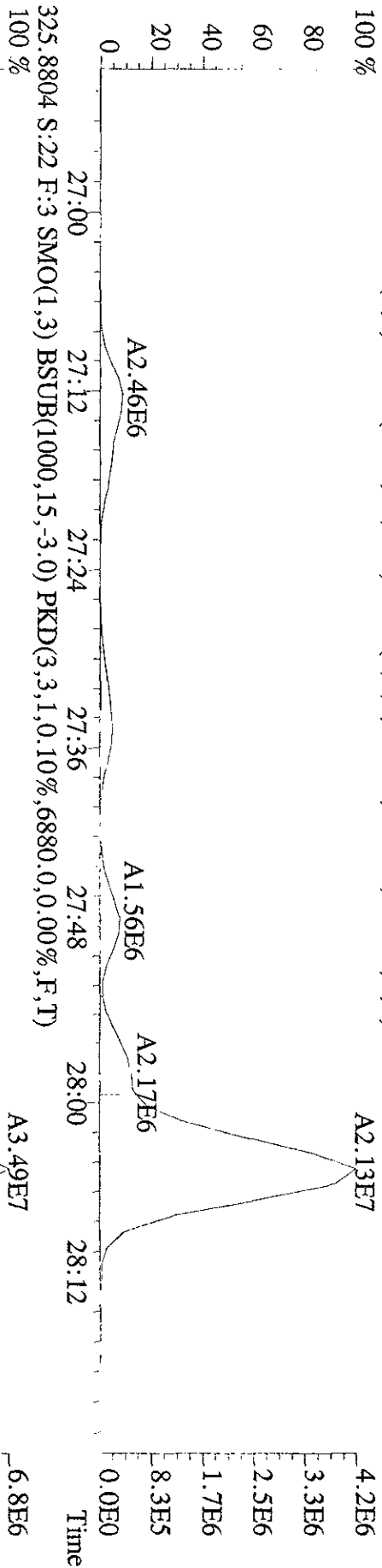


- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VP Date 5.6.09

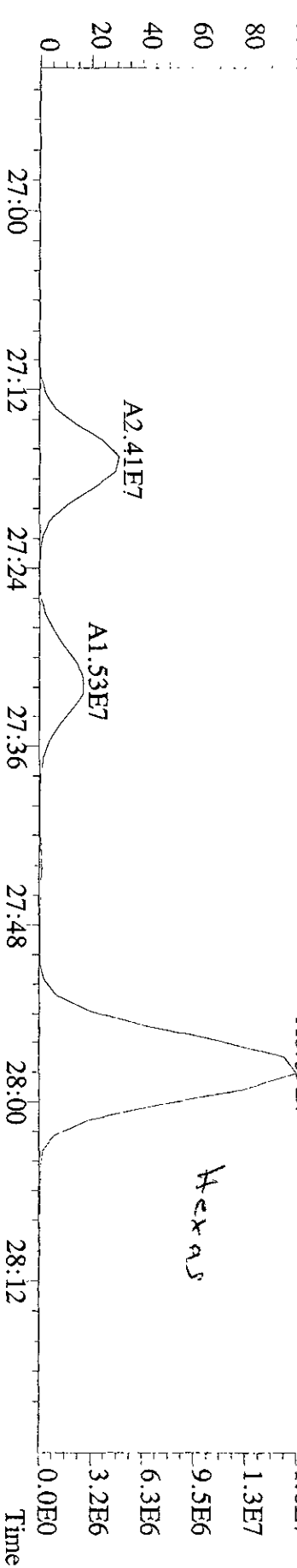
Time 27:00 27:12 27:24 27:36 27:48 28:00 28:12 28:24

File:29AP09C9D5 #1-594 Acq:30-APR-2009 13:12:57 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#22 Text:K9LDD9-1-AD :G9D030338-8X Exp:209DB5  
 323.8834 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3880,0,0.00%,F,T)  
 100 %



MORE THAN 50%  
 CONTRIBUTION FROM A  
 HIGHER CHLORINATION PCP

325.8804 S:22 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6880,0,0.00%,F,T)  
 100 %

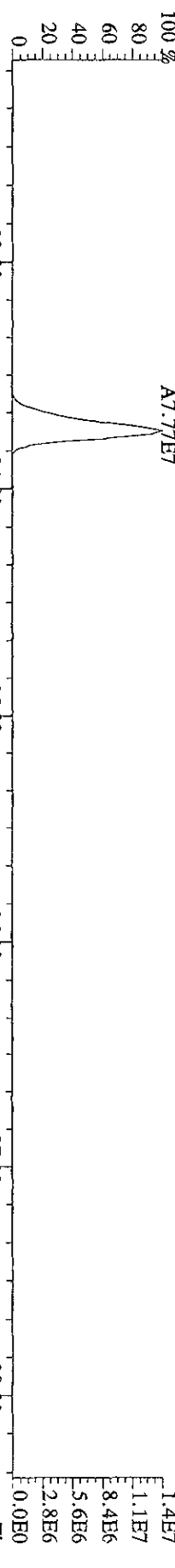


File:29AP09C9D5 #1-381 Acq:30-APR-2009 13:12:57 GC EI+ Voltage S1R Autospec-Ultimate

Sample#22 Text:K9LID9-1-AD :G9D030338-8X Exp:209DB5

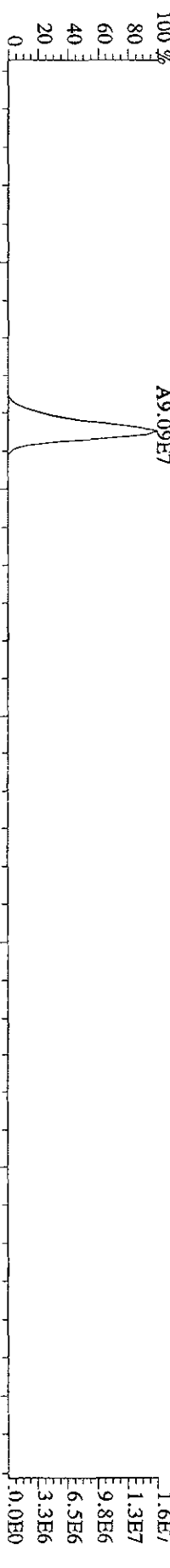
439.8038 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,120.0,0.00%,F,T)

A7.77E7

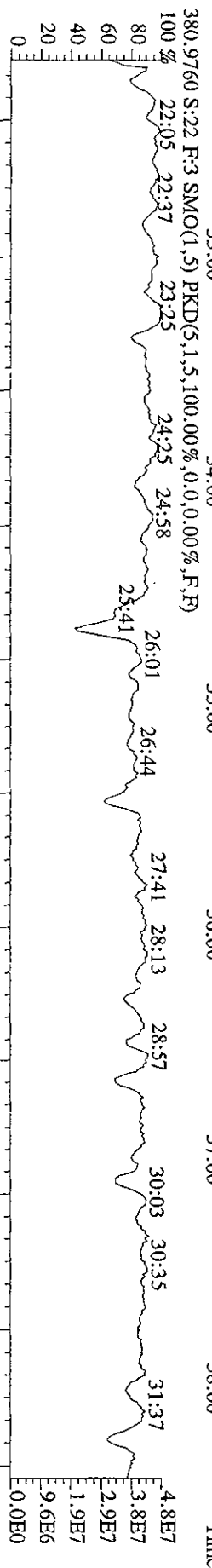


441.8008 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,156.0,0.00%,F,T)

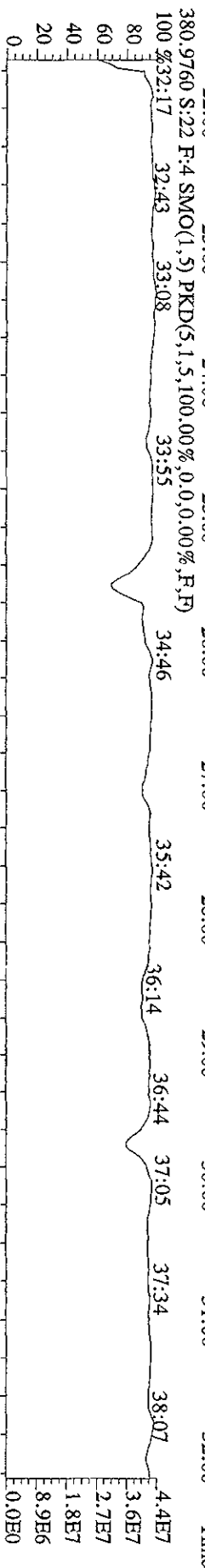
A9.09E7



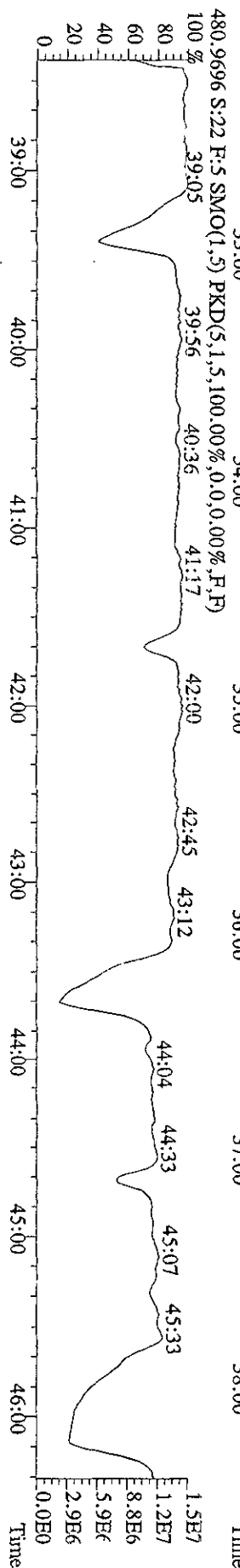
380.9760 S:22 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



380.9760 S:22 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

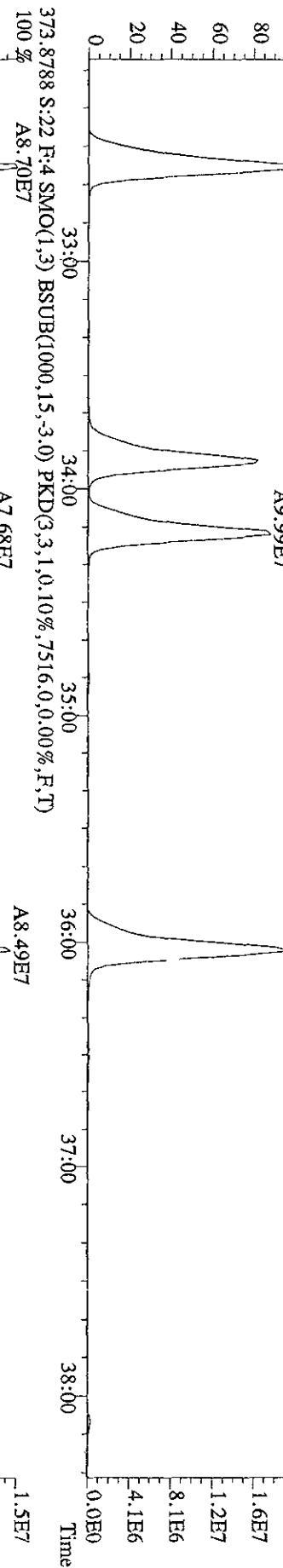
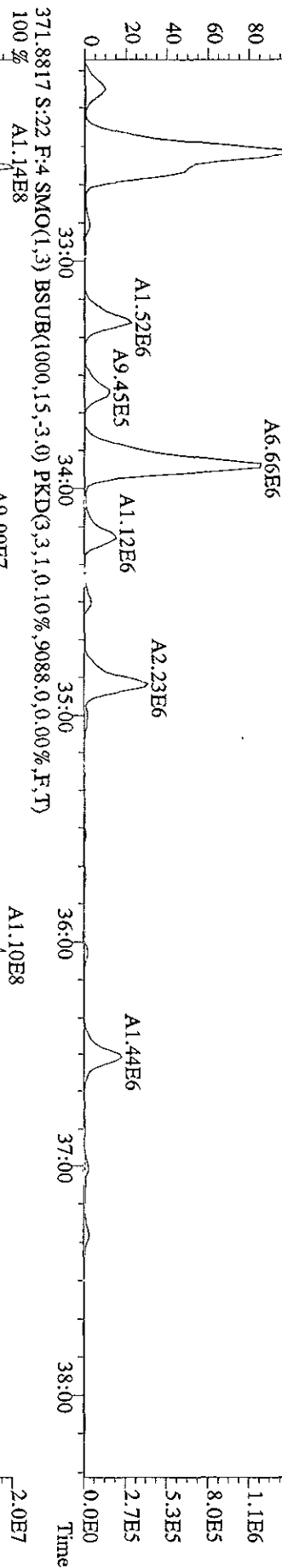
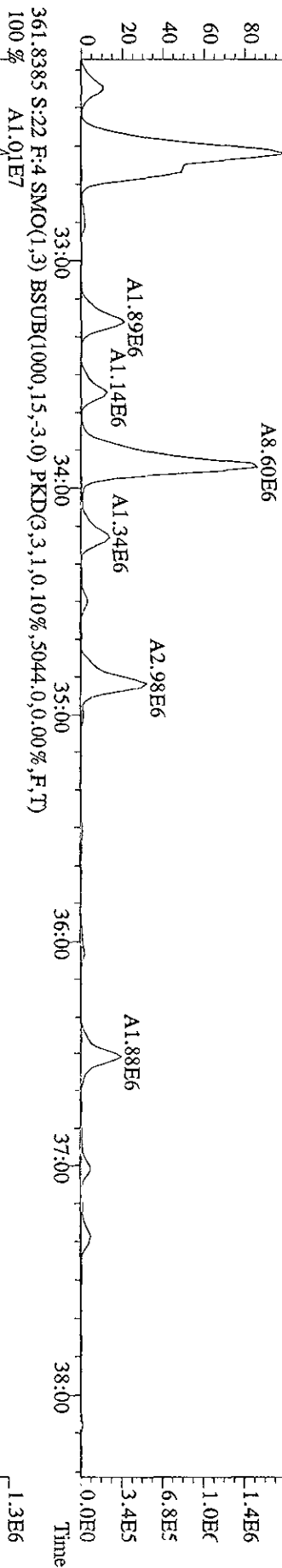


480.9696 S:22 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

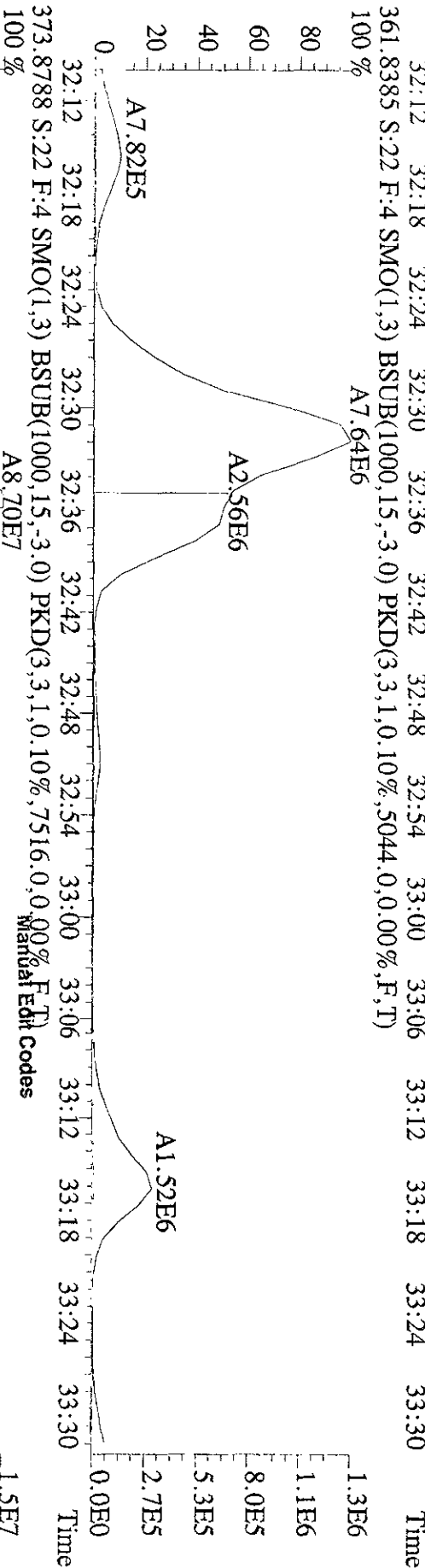
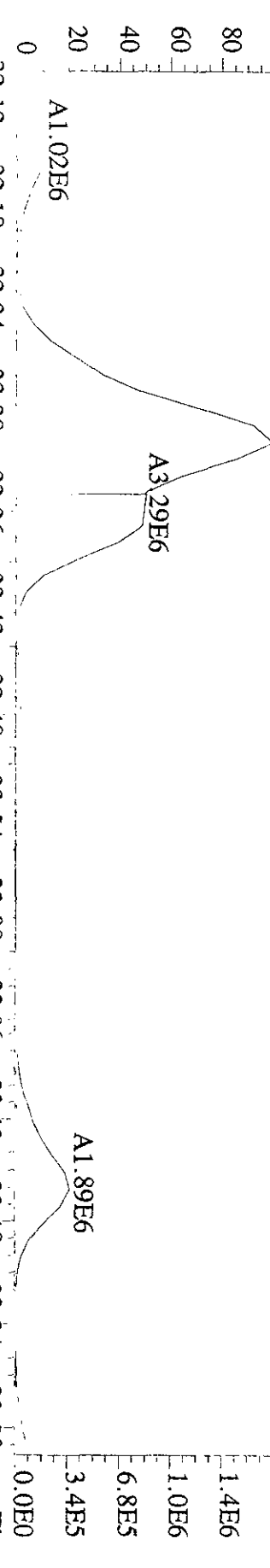




File:29AP09C9D5 #1-381 Acq:30-APR-2009 13:12:57 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#22 Text:K9LD9-1-AD :G9D030338-8X Exp:209DB5  
 359.8415 S:22 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7264,0,0.00%,F,T)  
 100% A1.28E7



File: 29AP09C9D5 #1-381 Acq: 30-APR-2009 13:12:57 GC EI + Voltage SIR Autospec-Ultimate  
 Sample# 22 Text: K9LD9-1-AD : G9D030338-8X Exp: 209DB5  
 359.8415 S: 22 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7264.0,0.00%,F,T)  
 100%

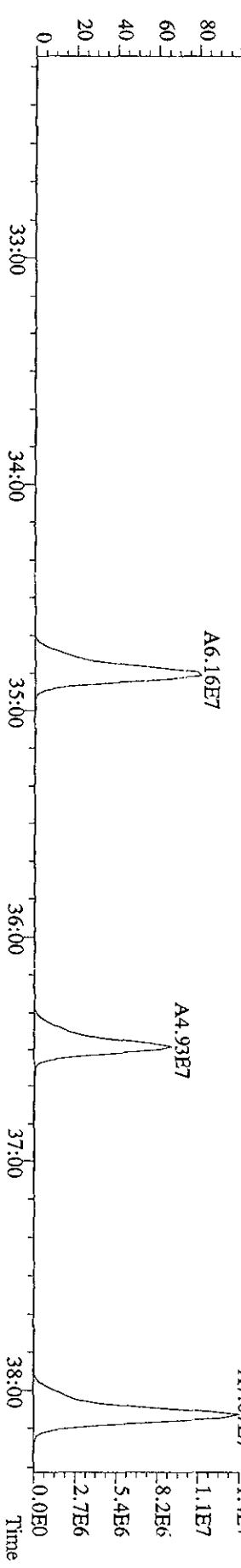
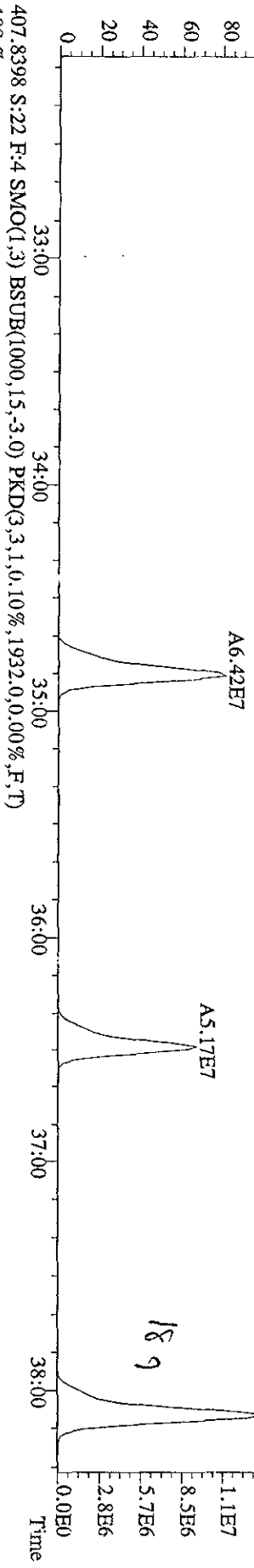
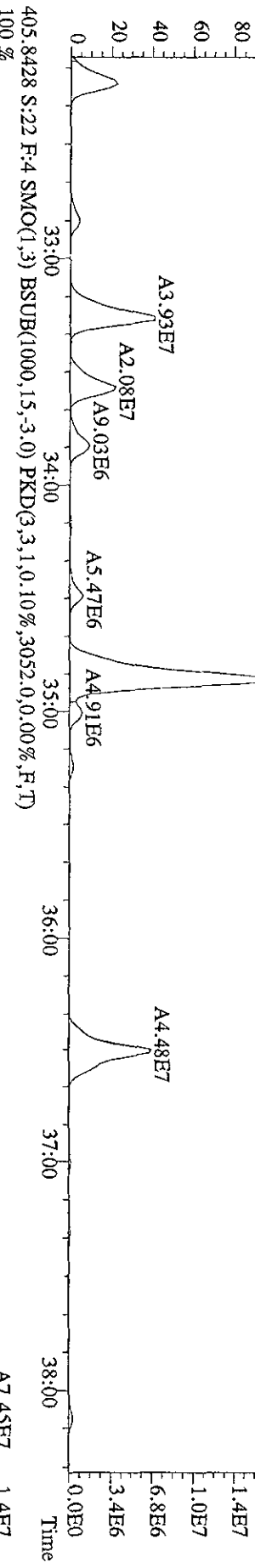
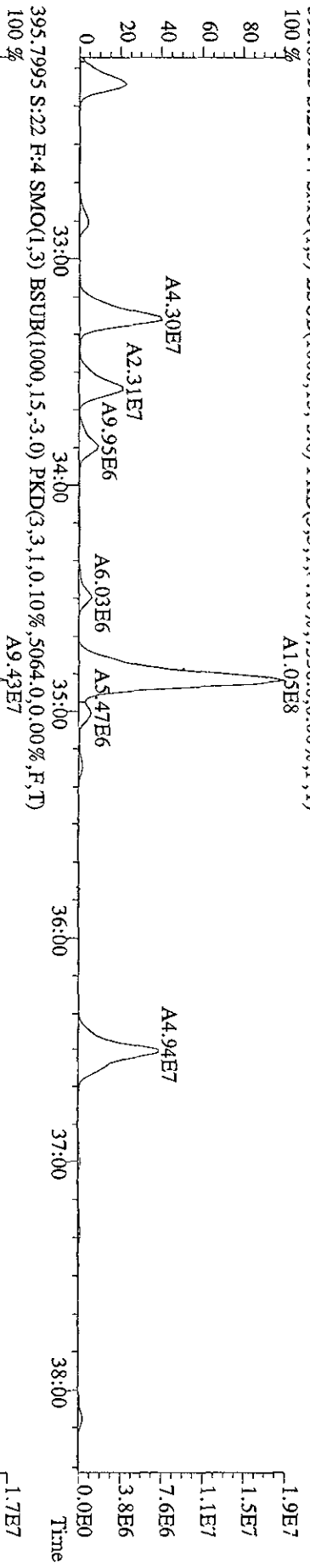


- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

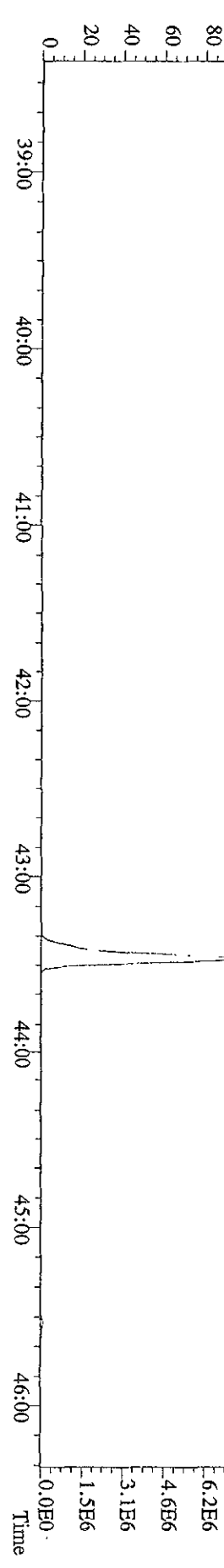
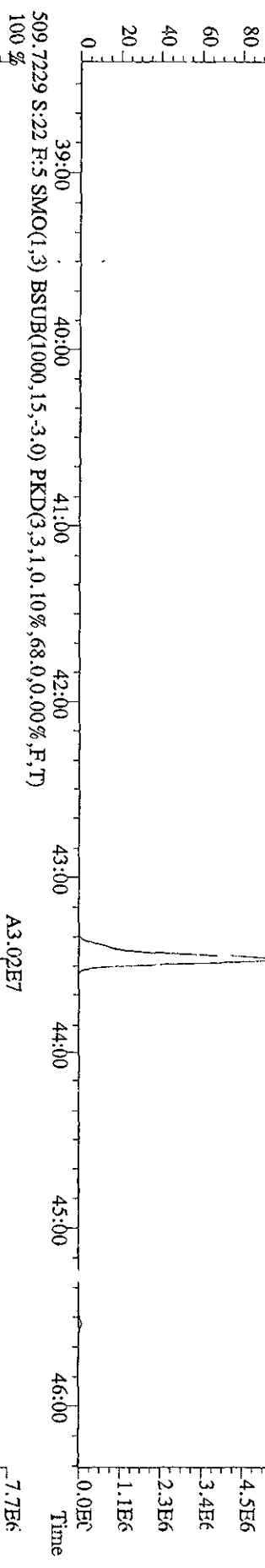
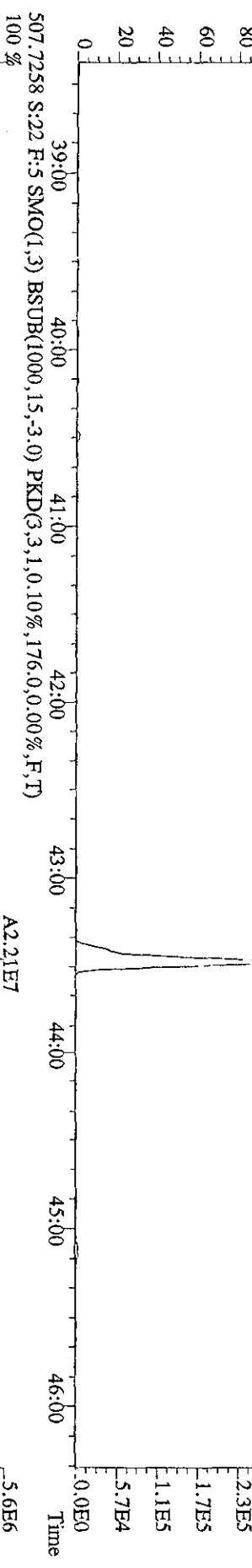
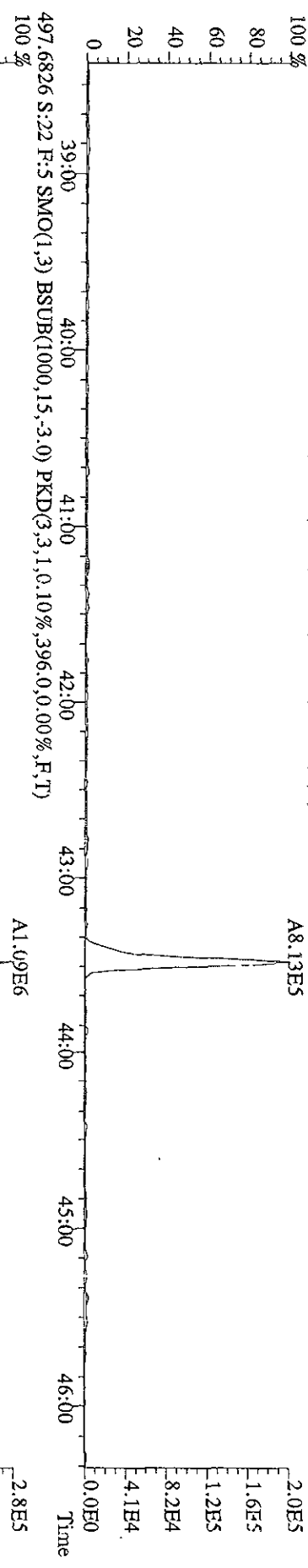
Analyst VP Date 5.6.09

373.8788 S: 22 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7516.0,0.00%,F,T)  
 Manual Edit Codes

File: 29AP09C9D5 #1-381 Acq: 30-APR-2009 13:12:57 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#22 Text: K9LD9-1-AD :G9D030338-8X Exp: 209DB5  
 393.8025 S:22 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7336,0,0,00%,F,T)



File:29AP09C9D5 #1-529 Acq:30-APR-2009 13:12:57 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#22 Text:K9LD9-1-AD :G9D030338-8X Exp:209DB5  
 495.6856 S:22 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1552.0,0.00%,F,T)  
 100 %



Method ID 1668M

Associated ICAL 1668MSLDEC 11509905

Column ID DB-5

Instrument ID 9DS

STD ID ST0420A

STD Solution 09PXNO16

Analyzed by MS

Date Analyzed 4/2/09

Std. Pkg. By MS

Date Std. Pkg. Assembled 5/2/09

Std. Pkg. Reviewed By MS

Date Std. Pkg. Reviewed 5/4/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits? **	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Static Resolutions present?	①	① /

COMMENTS:

① See ACM # 0091611

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0420A File text: ST0420A :CS3 09DXN016  
 Run #6 Filename 21AP09A9D5 S: 1 I: 1  
 Acquired: 21-APR-09 14:35:47 Processed: 22-APR-09 11:11:05  
 Run: 21AP09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 21AP09A9D51668MSLDE

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	226770900	0.65 y	24:47	-	100.00	-	n
13C-TCB-81	276887000	0.81 y	26:21	1.22	100.00	28.9	n
TCB-81	195192400	0.78 y	26:22	1.41	50.00	10.3	n
13C-TCB-77	290068000	0.82 y	26:55	1.28	100.00	30.2	n
TCB-77	185038700	0.78 y	26:56	1.28	50.00	15.6	n
13C-PeCB-123	217429000	0.65 y	28:16	0.96	100.00	10.0	n
PeCB-123	197450800	0.61 y	28:17	1.82	50.00	20.4	n
13C-PeCB-118	223561400	0.65 y	28:24	0.99	100.00	0.1	n
PeCB-118/106	205471200	0.61 y	28:26	1.84	50.00	20.3	n
13C-PeCB-114	231867200	0.65 y	29:03	1.02	100.00	5.8	n
PeCB-114	218805900	0.62 y	29:04	1.89	50.00	19.0	n
13C-PeCB-105	219767400	0.65 y	29:56	0.97	100.00	8.0	n
PeCB-105/127	185471200	0.61 y	29:57	1.69	50.00	18.7	n
13C-PeCB-126	239585400	0.65 y	31:50	1.06	100.00	15.9	n
PeCB-126	172694500	0.62 y	31:51	1.44	50.00	22.9	n
13C-OcCB-202	304662000	0.87 y	34:07	-	100.00	-	n
13C-HxCB-167	315318000	1.26 y	32:57	1.03	100.00	23.0	n
HxCB-167	151874600	1.23 y	32:57	0.96	50.00	-17.6	y ✓
13C-HxCB-156	256431000	1.30 y	34:15	0.84	100.00	25.6	n
HxCB-156	195184000	1.27 y	34:16	1.52	50.00	4.8	n
13C-HxCB-157	268453000	1.26 y	34:33	0.88	100.00	24.7	n
HxCB-157	203278900	1.27 y	34:35	1.51	50.00	4.7	n
13C-HxCB-169	295300000	1.26 y	36:24	0.97	100.00	32.1	n
HxCB-169	156903500	1.26 y	36:25	1.06	50.00	7.4	n
13C-HpCB-180	211047000	1.03 y	35:12	0.69	100.00	18.5	n
HpCB-180	125553900	1.07 y	35:13	1.19	50.00	-6.0	n
13C-HpCB-170	172074500	1.04 y	36:51	0.56	100.00	19.1	n
HpCB-170/190	129577000	1.07 y	36:52	1.51	50.00	-6.2	n
13C-HpCB-189	234511000	1.02 y	38:29	0.77	100.00	28.6	n
HpCB-189	136802600	1.06 y	38:30	1.17	50.00	-3.3	n
13C-DeCB-209	162952300	0.71 y	43:42	0.53	100.00	16.2	n
DECB-209	122191400	0.72 y	43:43	1.50	50.00	-0.3	n
13C-PeCB-111	286457000	0.63 y	26:13	1.28	100.00	-5.4	n

Run text: ST0420A File text: ST0420A :CS3 09DXN016  
 Run #6 Filename 21AP09A9D5 S: 1 I: 1  
 Acquired: 21-APR-09 14:35:47 Processed: 22-APR-09 11:11:05  
 Run: 21AP09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 21AP09A9D51668MSLDE

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	226770900	0.65 y	24:47	-	100.00	-	n
13C-TCB-81	276887000	0.81 y	26:21	1.22	100.00	28.9	n
TCB-81	195192400	0.78 y	26:22	1.41	50.00	10.3	n
13C-TCB-77	290068000	0.82 y	26:55	1.28	100.00	30.2	n
TCB-77	185038700	0.78 y	26:56	1.28	50.00	15.6	n
13C-PeCB-123	217429000	0.65 y	28:16	0.96	100.00	10.0	n
PeCB-123	197450800	0.61 y	28:17	1.82	50.00	20.4	n
13C-PeCB-118	223561400	0.65 y	28:24	0.99	100.00	0.1	n
PeCB-118/106	205471200	0.61 y	28:26	1.84	50.00	20.3	n
13C-PeCB-114	231867200	0.65 y	29:03	1.02	100.00	5.8	n
PeCB-114	218805900	0.62 y	29:04	1.89	50.00	19.0	n
13C-PeCB-105	219767400	0.65 y	29:56	0.97	100.00	8.0	n
PeCB-105/127	185471200	0.61 y	29:57	1.69	50.00	18.7	n
13C-PeCB-126	239585400	0.65 y	31:50	1.06	100.00	15.9	n
PeCB-126	172694500	0.62 y	31:51	1.44	50.00	22.9	n
13C-OcCB-202	304662000	0.87 y	34:07	-	100.00	-	n
13C-HxCB-167	315318000	1.26 y	32:57	1.03	100.00	23.0	n
HxCB-167	349945000	1.25 y	32:55	2.22	50.00	89.9	n
13C-HxCB-156	256431000	1.30 y	34:15	0.84	100.00	25.6	n
HxCB-156	195184000	1.27 y	34:16	1.52	50.00	4.8	n
13C-HxCB-157	268453000	1.26 y	34:33	0.88	100.00	24.7	n
HxCB-157	203278900	1.27 y	34:35	1.51	50.00	4.7	n
13C-HxCB-169	295300000	1.26 y	36:24	0.97	100.00	32.1	n
HxCB-169	156903500	1.26 y	36:25	1.06	50.00	7.4	n
13C-HpCB-180	211047000	1.03 y	35:12	0.69	100.00	18.5	n
HpCB-180	125553900	1.07 y	35:13	1.19	50.00	-6.0	n
13C-HpCB-170	172074500	1.04 y	36:51	0.56	100.00	19.1	n
HpCB-170/190	129577000	1.07 y	36:52	1.51	50.00	-6.2	n
13C-HpCB-189	234511000	1.02 y	38:29	0.77	100.00	28.6	n
HpCB-189	136802600	1.06 y	38:30	1.17	50.00	-3.3	n
13C-DeCB-209	162952300	0.71 y	43:42	0.53	100.00	16.2	n
DECB-209	122191400	0.72 y	43:43	1.50	50.00	-0.3	n
13C-PeCB-111	286457000	0.63 y	26:13	1.28	100.00	-5.4	n

data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
21AP09A9D5	1	ST0420A	CS3 09DXN016				1.00000	
21AP09A9D5	2	SB0420	Solvent Blank C-12				1.00000	
21AP09A9D5	3	K90QP-1-AD	G9D100296-1 (5X)		1668/SOLID		9.95000	g
21AP09A9D5	4	K90XN-1-AD	G9D100311-1 (5X)		1668/SOLID		10.20000	g
21AP09A9D5	5	K9MNR-1-AC	G9D060133-1 (5X)		1668/waste		1.02000	g
21AP09A9D5	6	K98KC-1-AC	G9D030338-LCS		1668/SOLID		10.00000	g
21AP09A9D5	7	K98KC-1-AA	G9D030338-MB		1668/SOLID		10.00000	Sam
21AP09A9D5	8	K9LD2-1-AC	G9D030338-1		1668/SOLID		10.24000	g
21AP09A9D5	9	K9LD3-1-AC	G9D030338-2		1668/SOLID		10.23000	g
21AP09A9D5	10	K9LD4-1-AC	G9D030338-3		1668/SOLID		10.08000	g
21AP09A9D5	11	K9LD5-1-AC	G9D030338-4		1668/SOLID		10.16000	g
21AP09A9D5	12	K9LD6-1-AC	G9D030338-5		1668/SOLID		10.28000	g
21AP09A9D5	13	K9LD7-1-AC	G9D030338-6		1668/SOLID		10.18000	g
21AP09A9D5	14	K9LD7-1-AD	G9D030338-6S		1668/SOLID		10.09000	g
21AP09A9D5	15	K9LD7-1-AE	G9D030338-6D		1668/SOLID		10.30000	g
21AP09A9D5	16	SB0420	Solvent Blank C-12				1.00000	
21AP09A9D5	17	ST0420A <i>4/21/09</i>	CS3 09DXN016 - <i>Daily Out.</i>				1.00000	
21AP09A9D5	18	K9LD8-1-AC	G9D030338-7		1668/SOLID		10.09000	g
21AP09A9D5	19	K9LD9-1-AC	G9D030338-8		1668/SOLID		10.26000	g
21AP09A9D5	20		SOLVENT BLANK		1668/SOLID		10.43000	g
21AP09A9D5	21	K92JN-1-AA	G9D090272-MB R1		1668/AIR		0.50000	SAM
21AP09A9D5	22						1.00000	
21AP09A9D5	23						1.00000	
21AP09A9D5	24						1.00000	
21AP09A9D5	25		KAS 4-21-09				1.00000	
21AP09A9D5	26						1.00000	
21AP09A9D5	27						1.00000	
21AP09A9D5	28						1.00000	
21AP09A9D5	29						1.00000	
21AP09A9D5	30						1.00000	
21AP09A9D5	31						1.00000	
21AP09A9D5	32						1.00000	
21AP09A9D5	33						1.00000	
21AP09A9D5	34						1.00000	

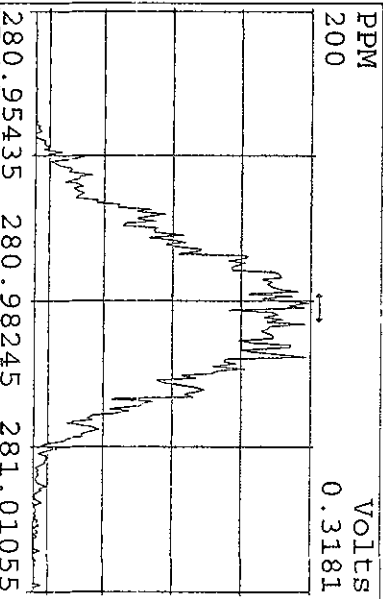
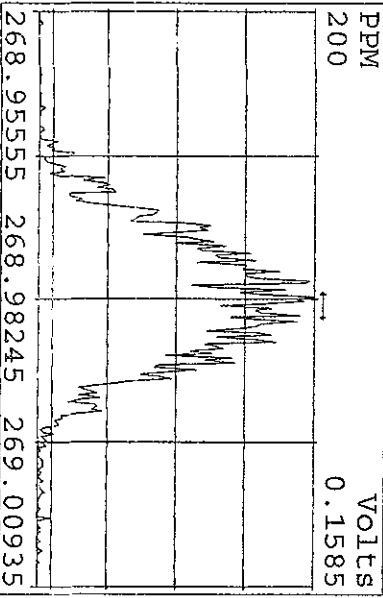
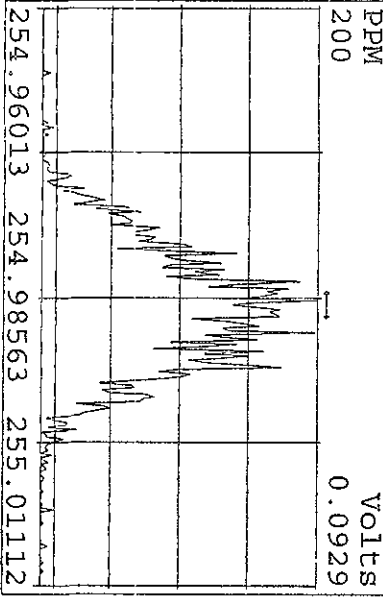
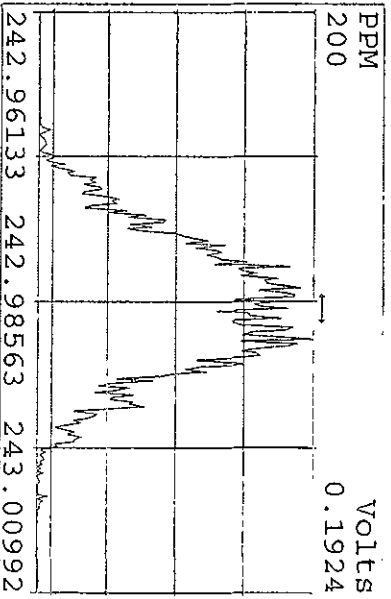
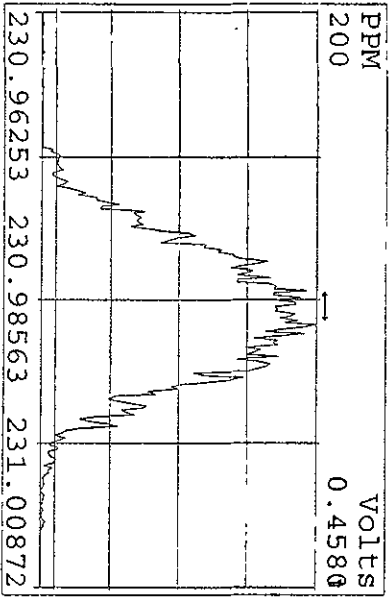
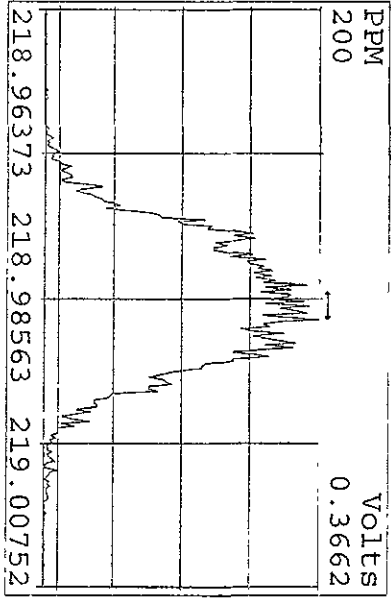
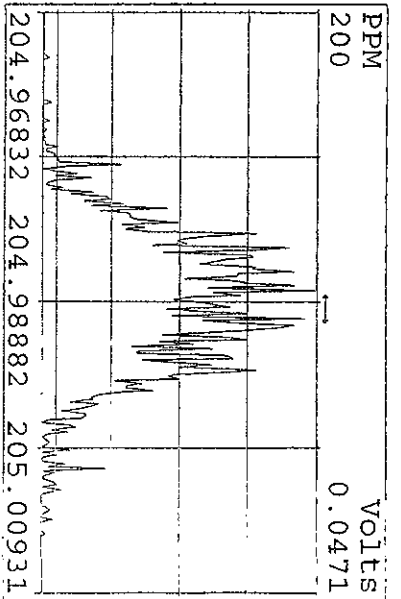
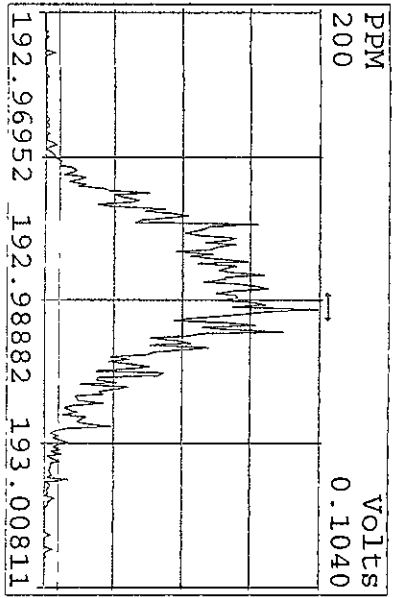
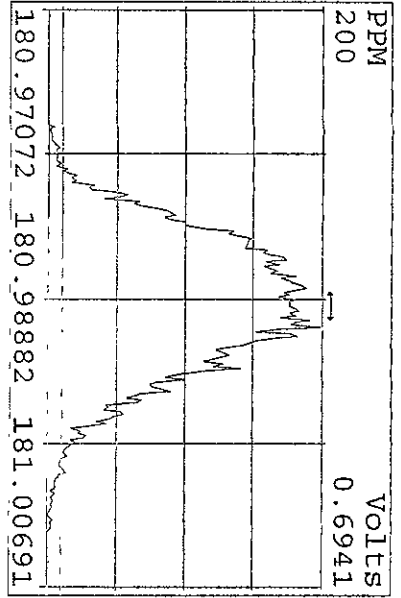
*log file vid  
4/21/09 kas*

*aid*

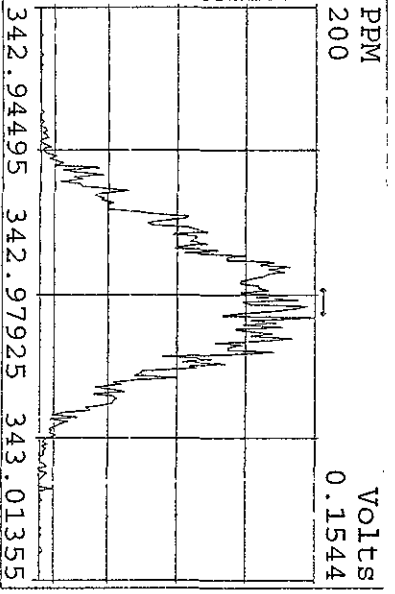
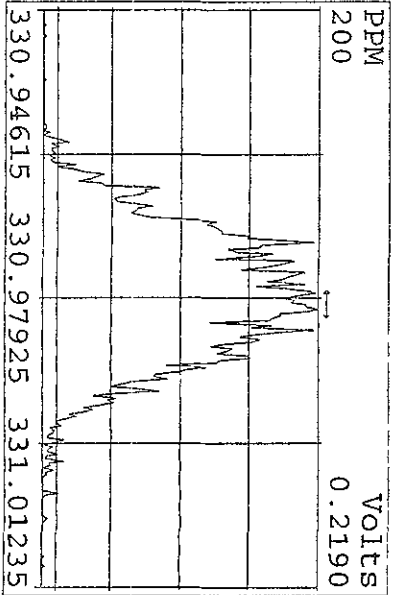
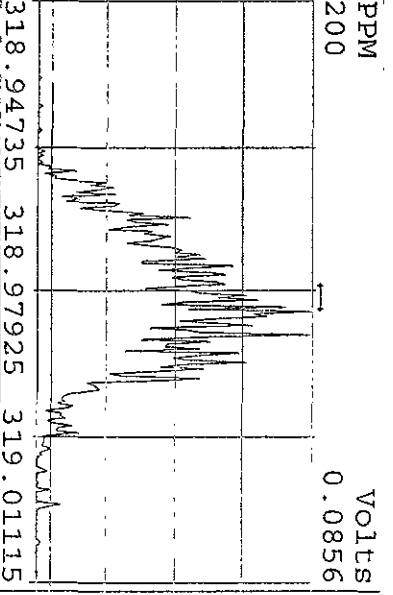
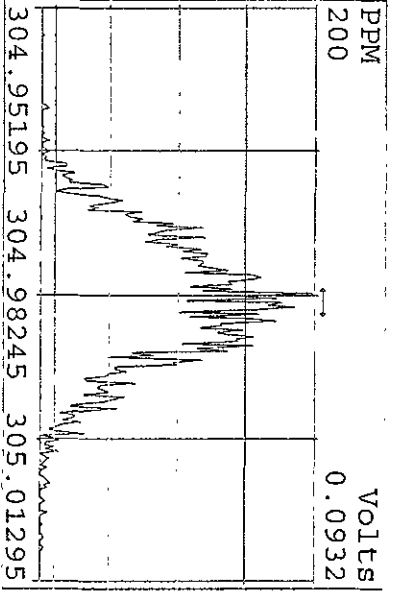
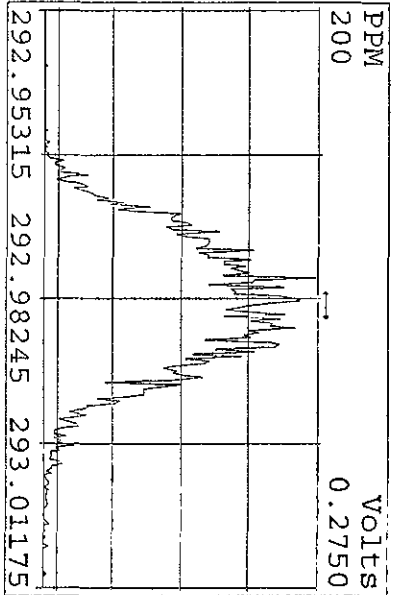
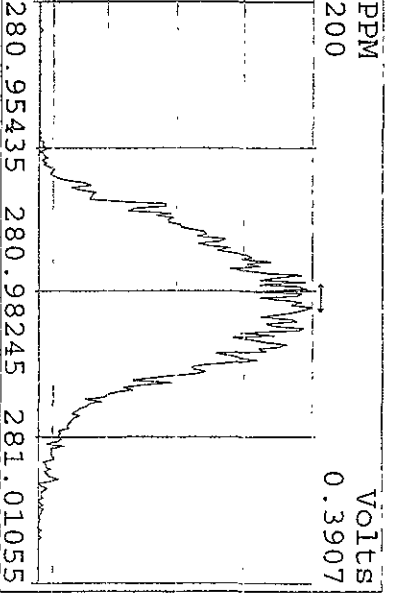
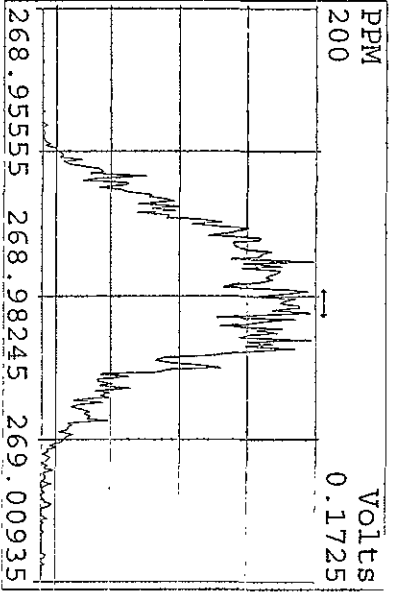
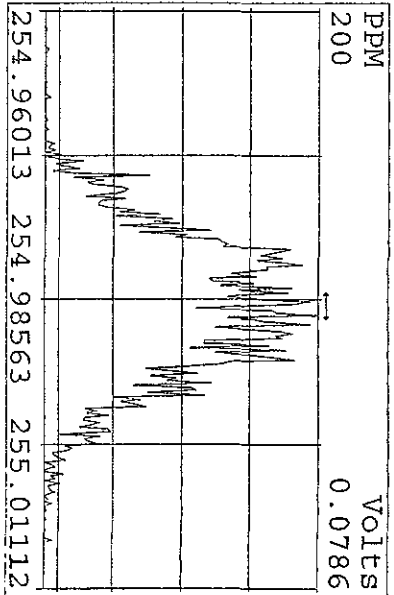


Peak Locate Examination: 21-APR-2009: 14:31 File: 21AP09A9D5  
 Experiment: 209DB5 Function: 1 Reference: PFK

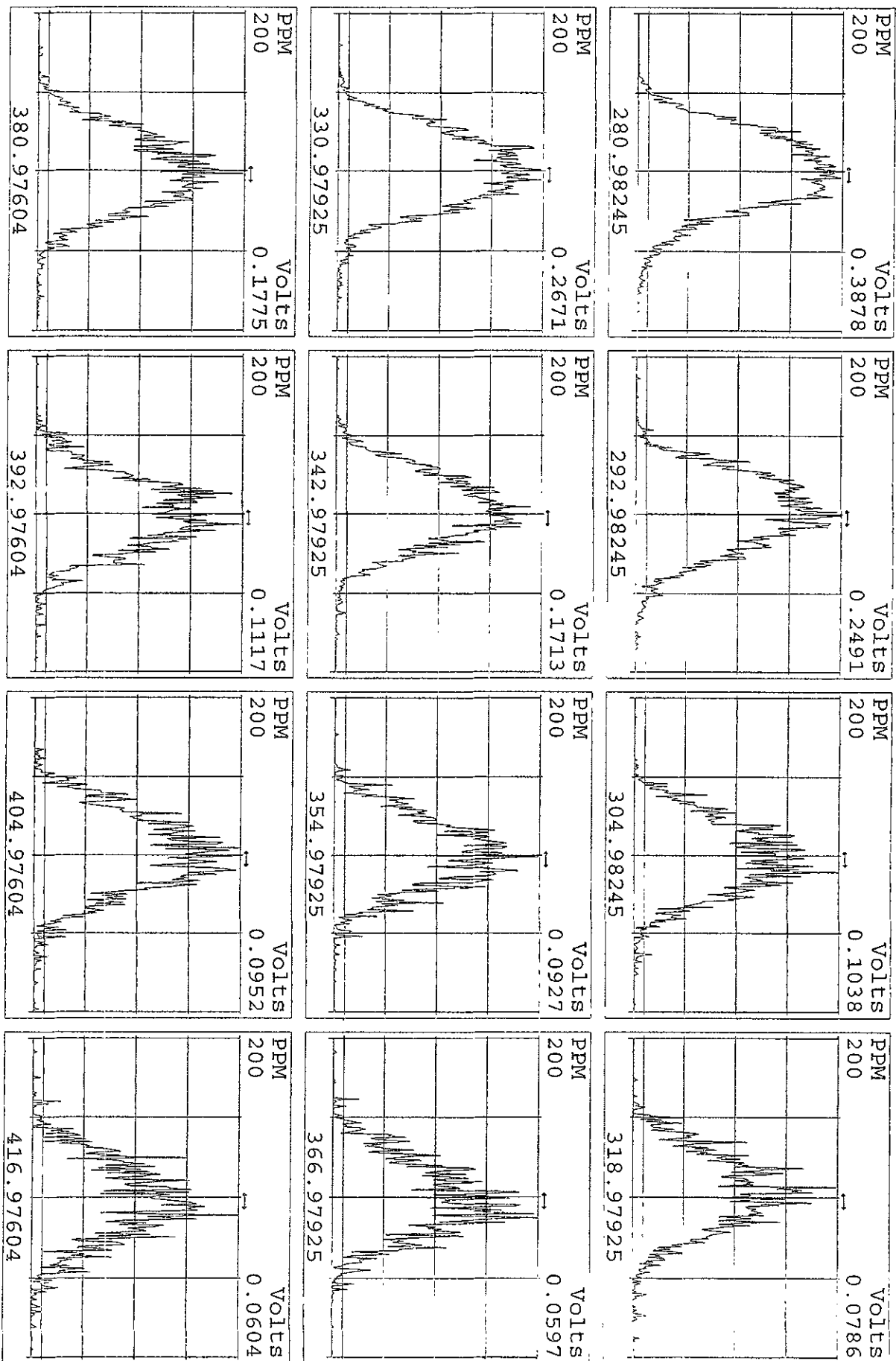
31



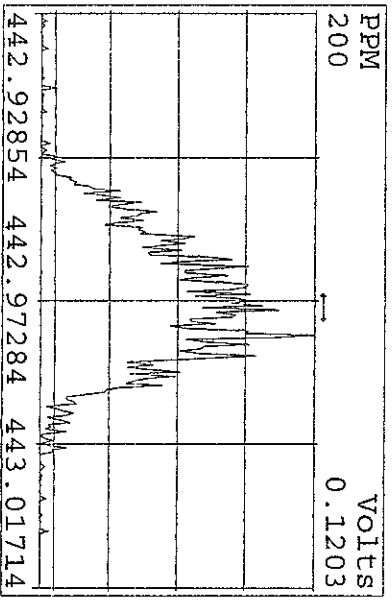
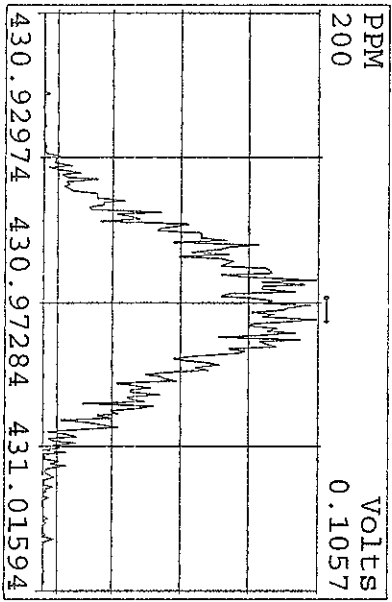
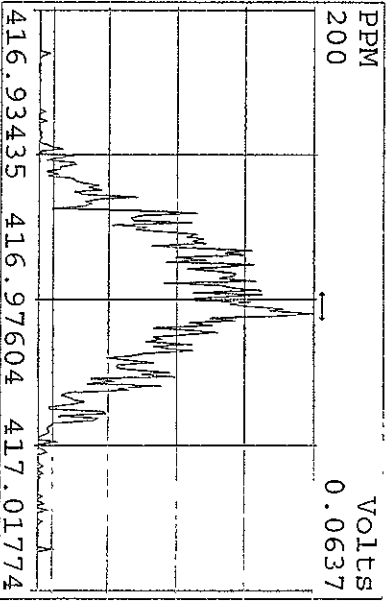
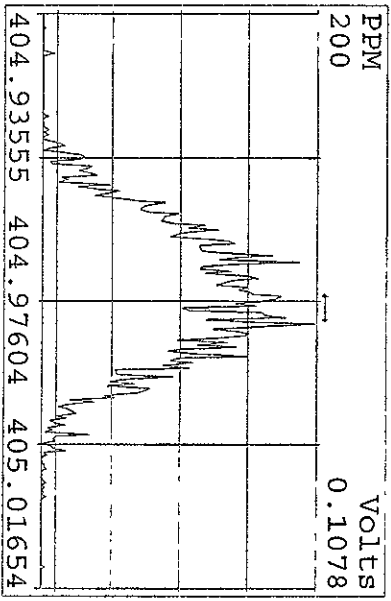
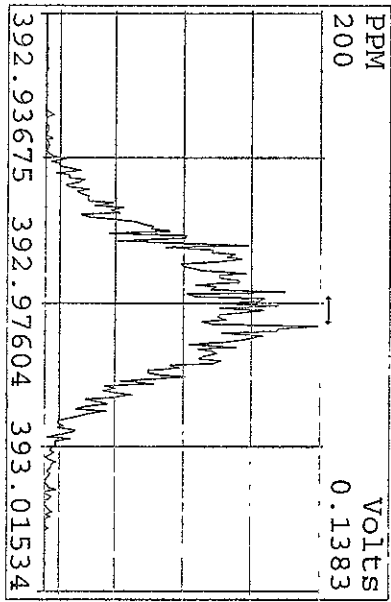
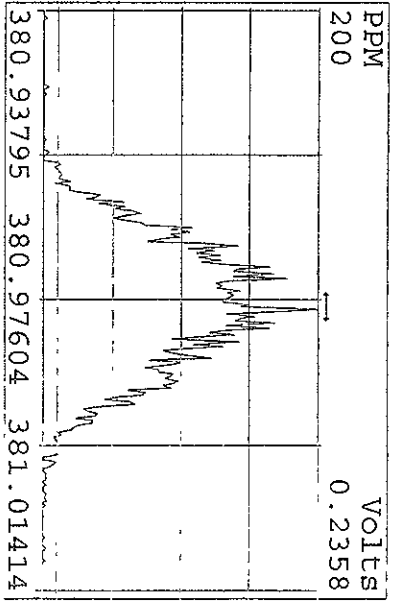
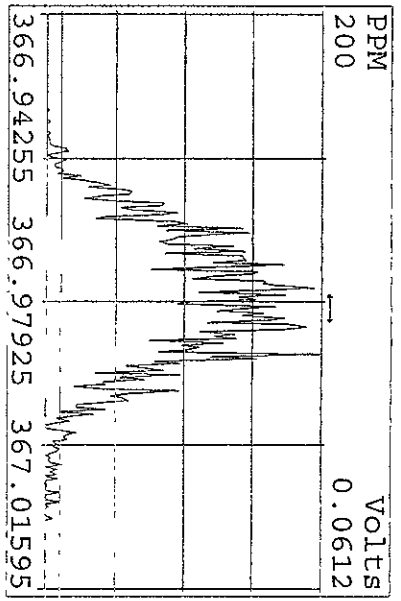
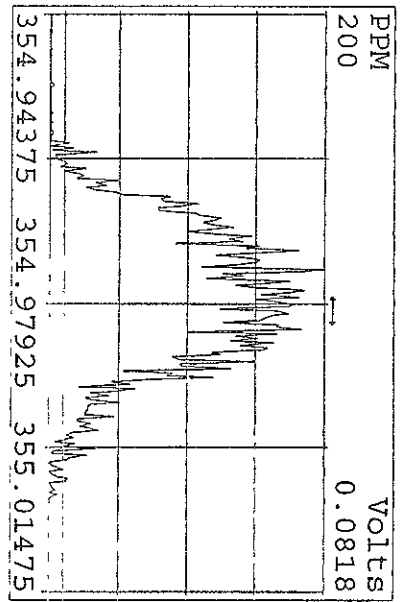
Peak Locate Examination: 21-APR-2009:14:32 File: 21AP09A9D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



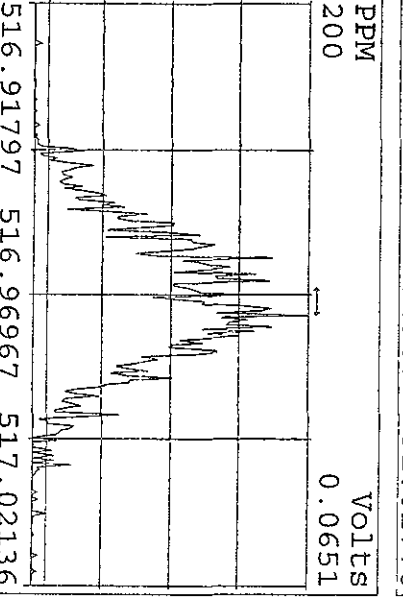
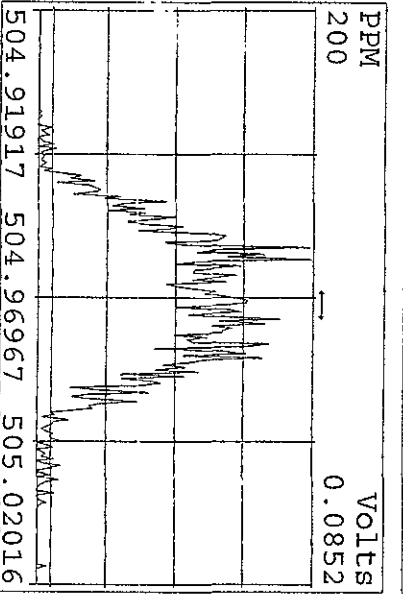
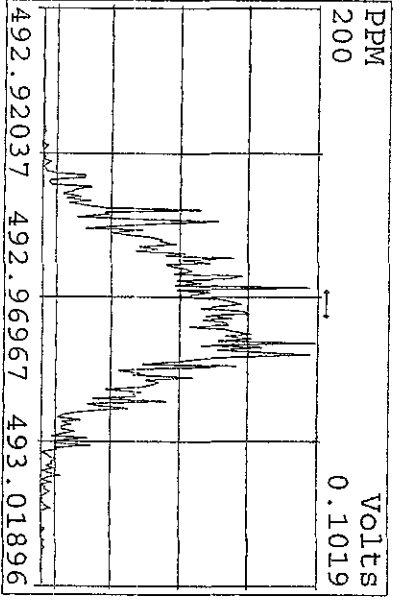
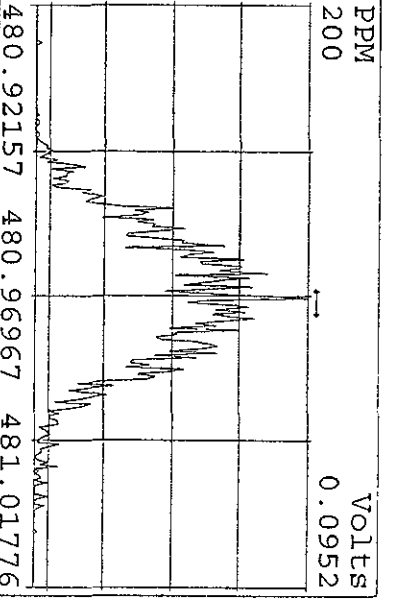
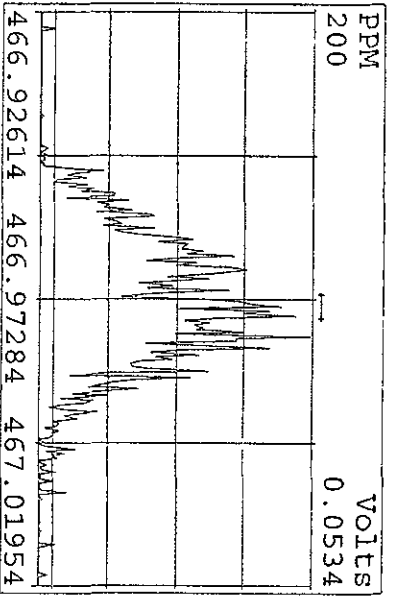
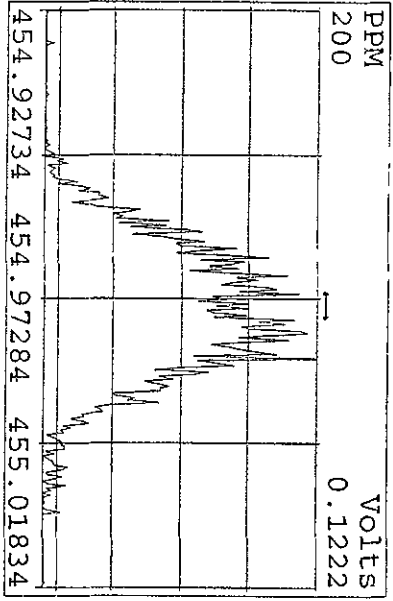
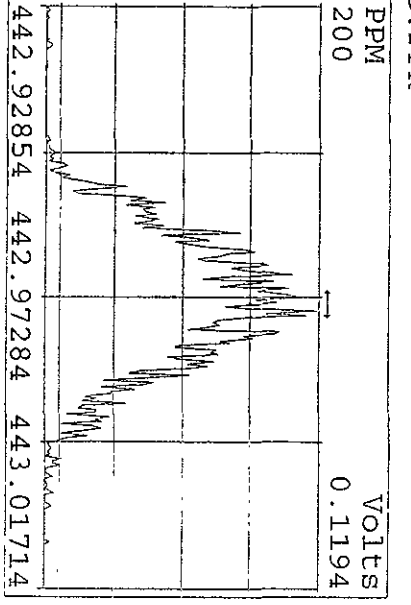
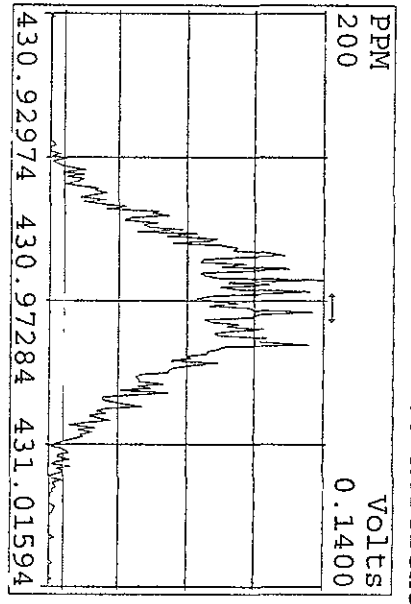
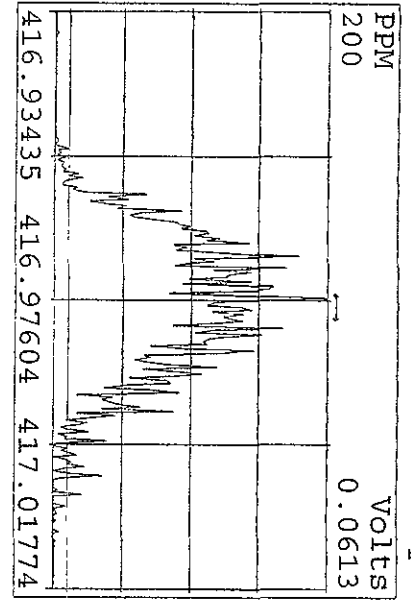
Peak Locate Examination: 21-APR-2009: 14:33 File: 21AP09A9D5  
Experiment: 209DB5 Function: 3 Reference: PFK



Peak Locate Examination: 21-APR-2009: 14:33 File: 21AP09A9D5  
 Experiment: 209DB5 Function: 4 Reference: PFK

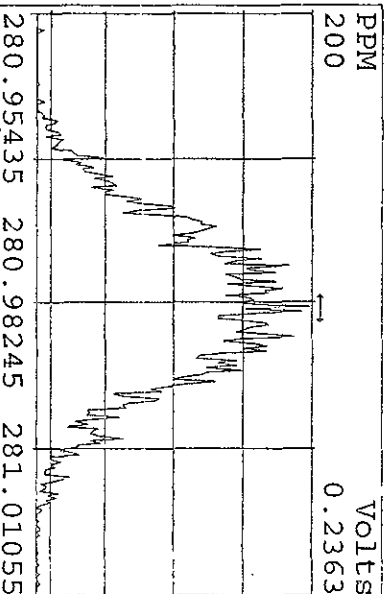
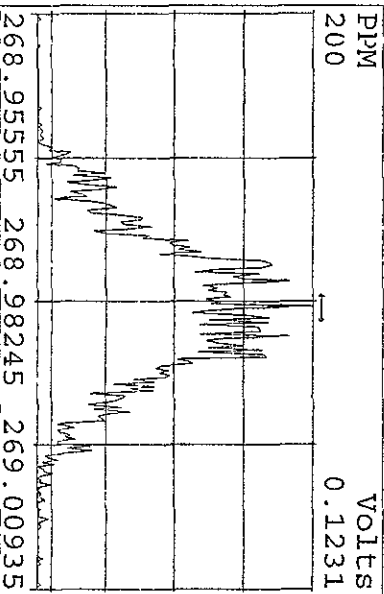
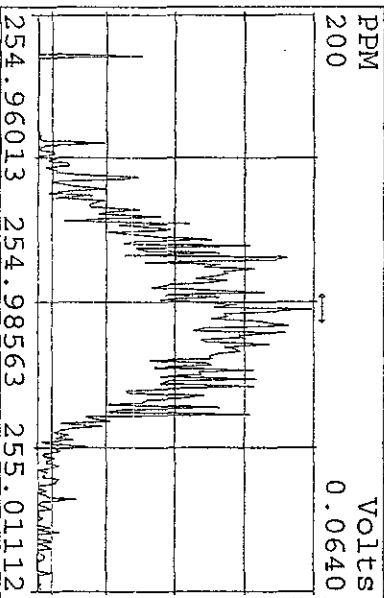
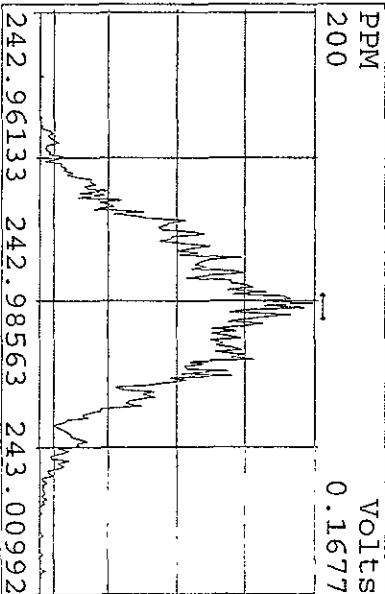
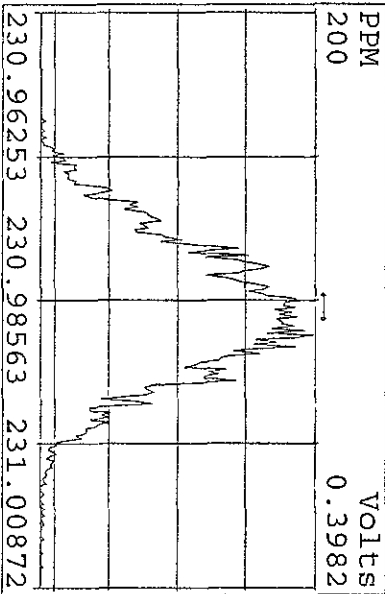
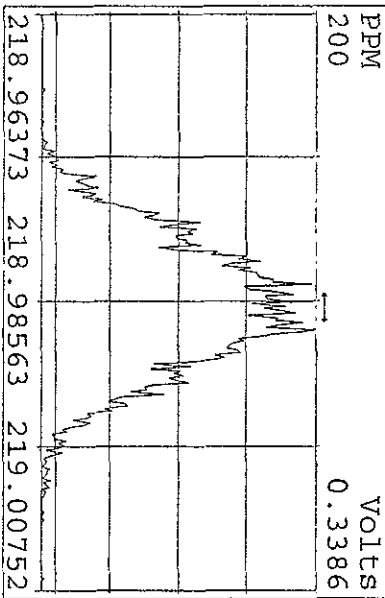
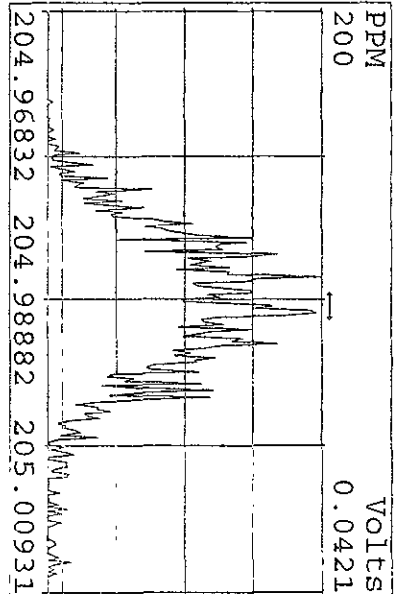
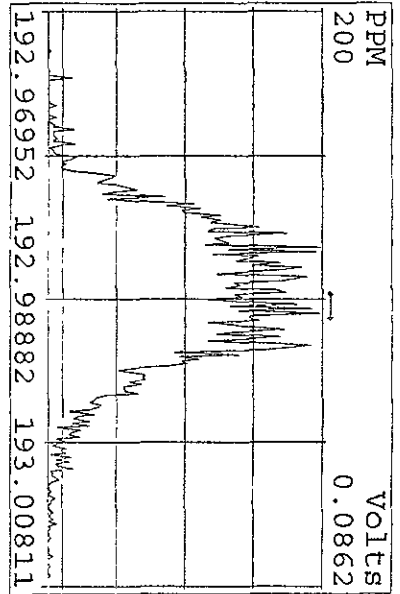
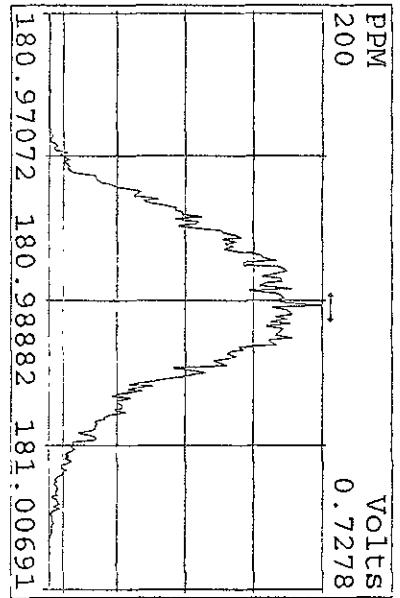


Peak Locate Examination: 21-APR-2009: 14:35 File: 21AP09A9D5  
 Experiment: 209DB5 Function: 5 Reference: PFK

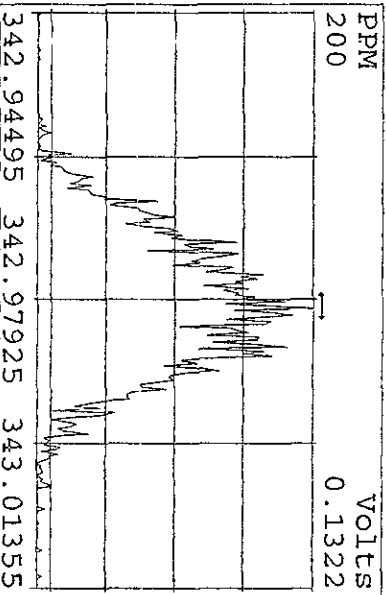
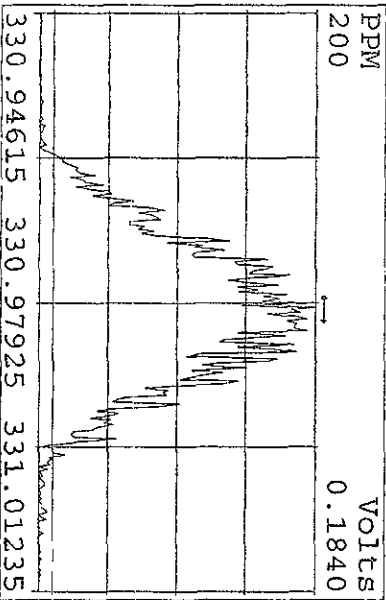
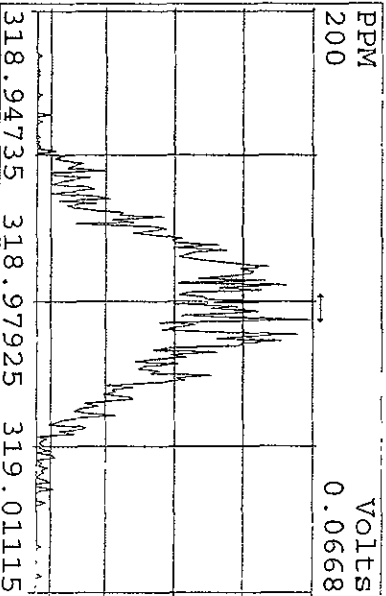
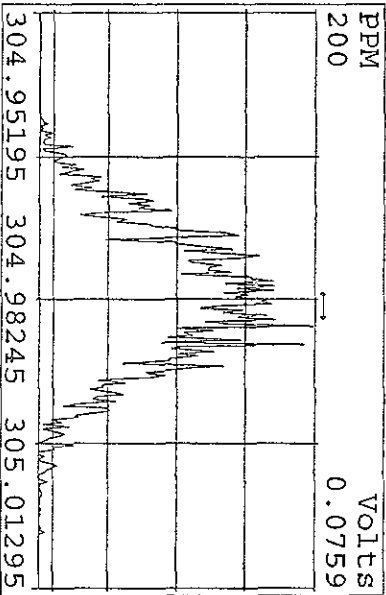
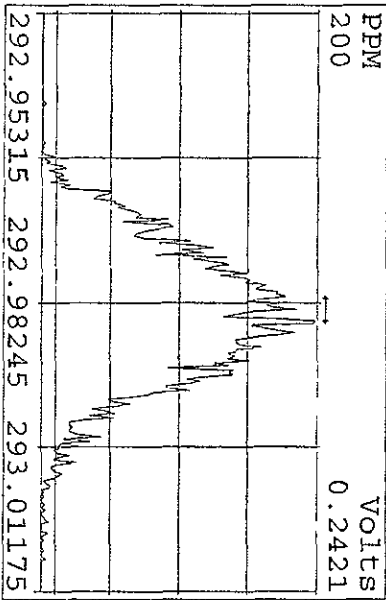
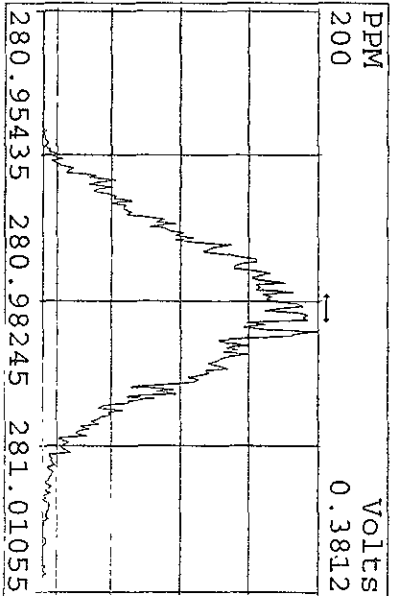
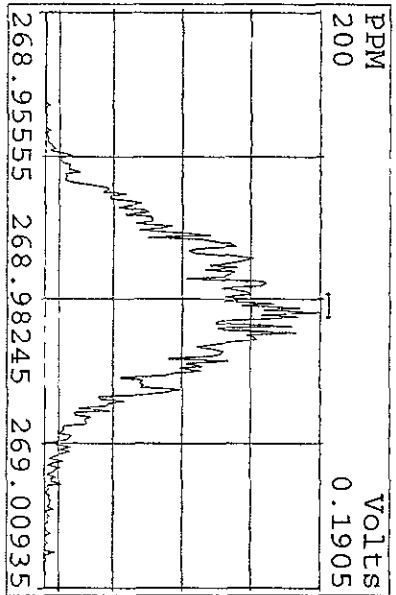
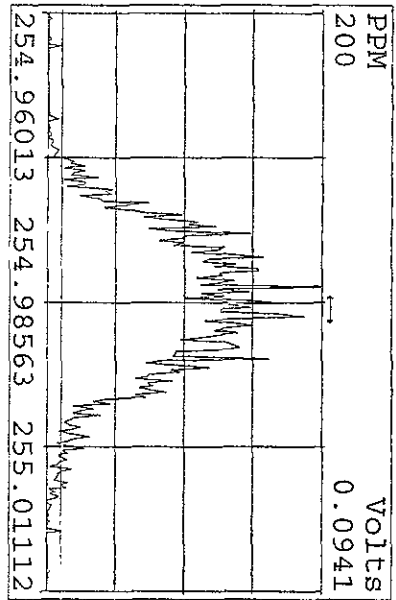


Peak Locate Examination: 22-APR-2009: 11:27 File: 21AP099D5ENDRES  
 Experiment: 209DB5 Function: 1 Reference: PFK

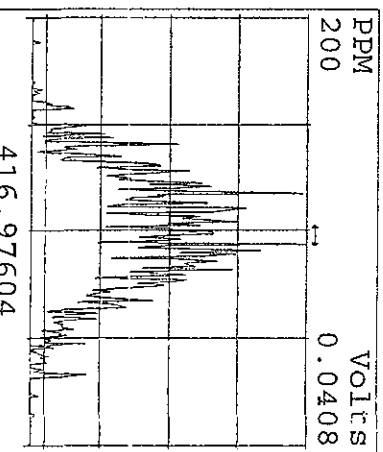
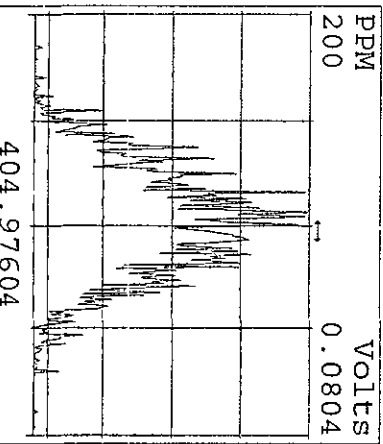
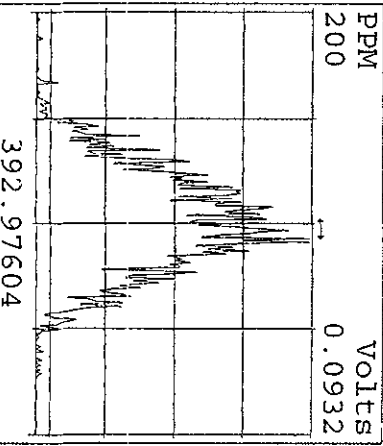
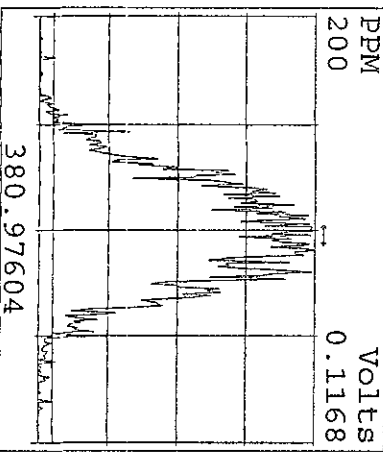
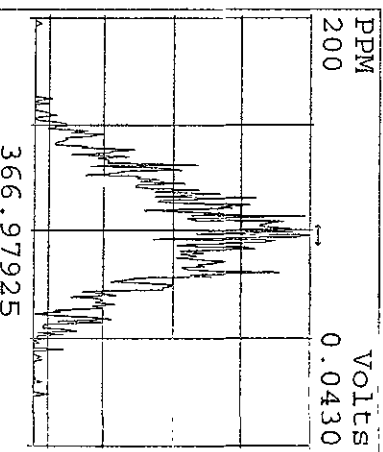
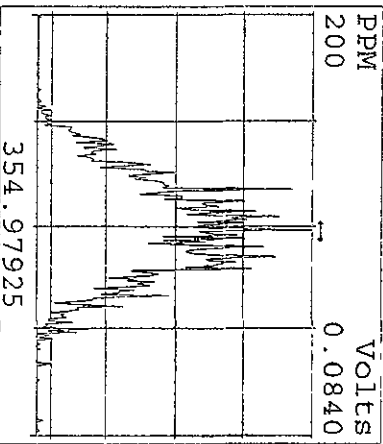
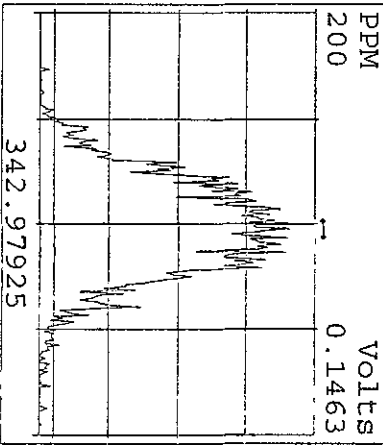
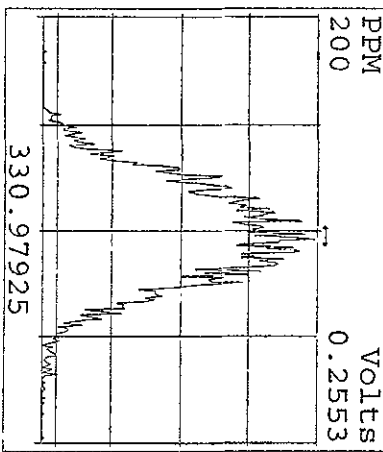
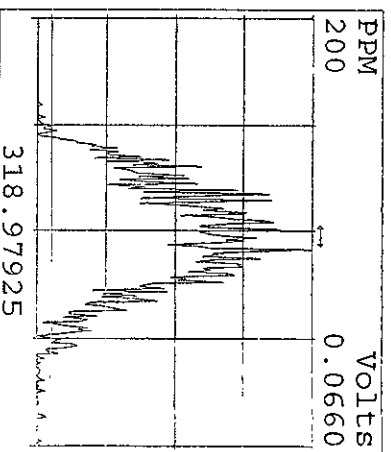
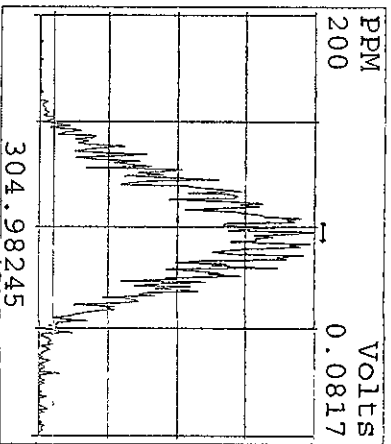
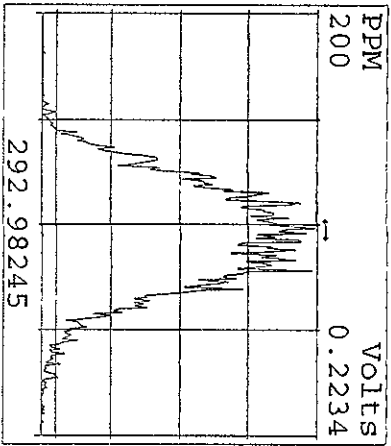
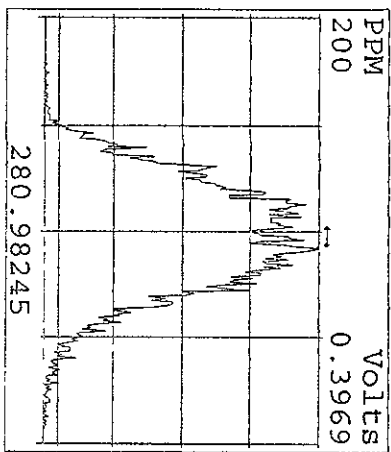
27



Peak Locate Examination: 22-APR-2009: 11:23 File: 21AP09A9D5EBNDRES  
 Experiment: 209DB5 Function: 2 Reference: PRK

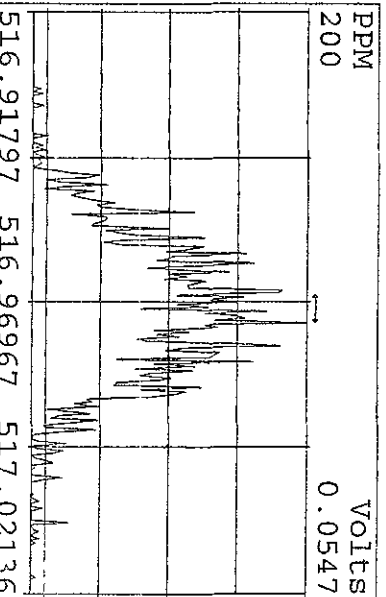
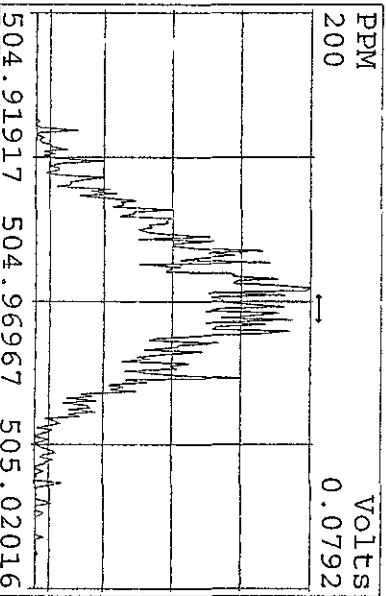
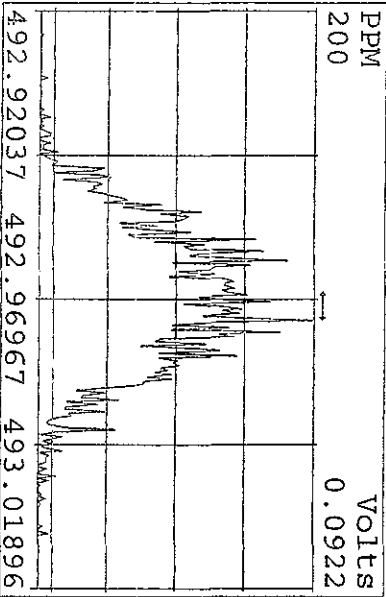
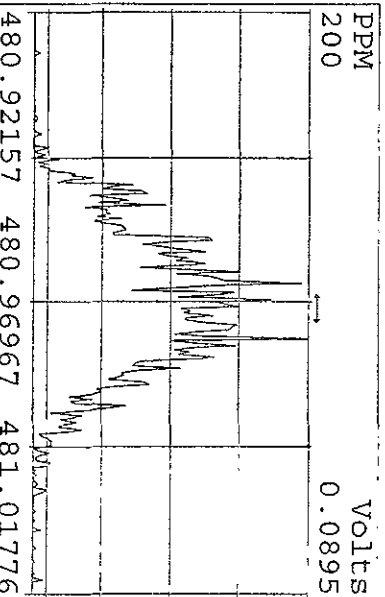
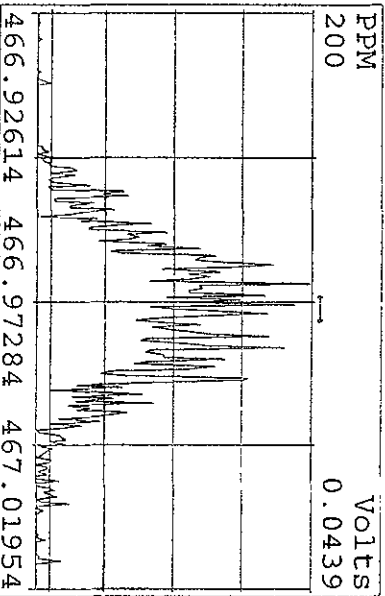
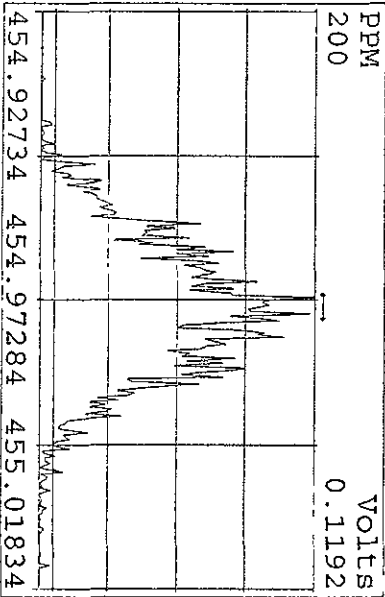
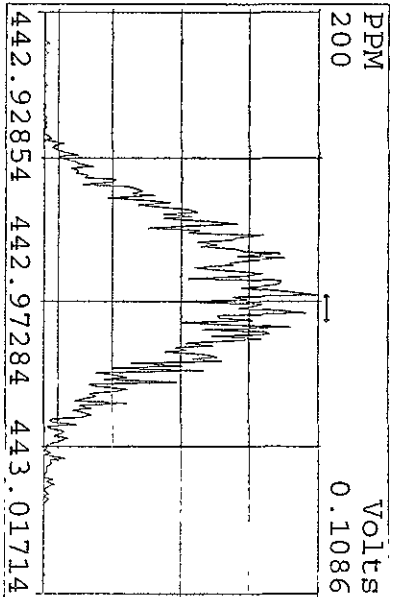
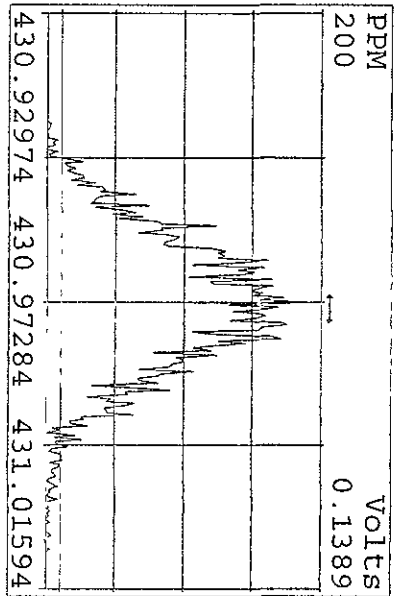
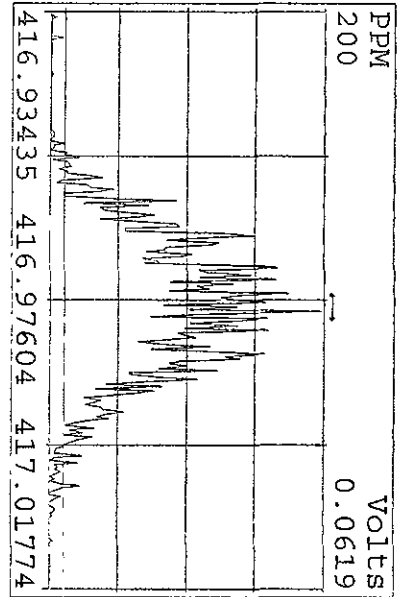


Peak Locate Examination: 22-APR-2009: 11:24 File: 21AP09A9D5EBNDRRES  
Experiment: 209DB5 Function: 3 Reference: PFK

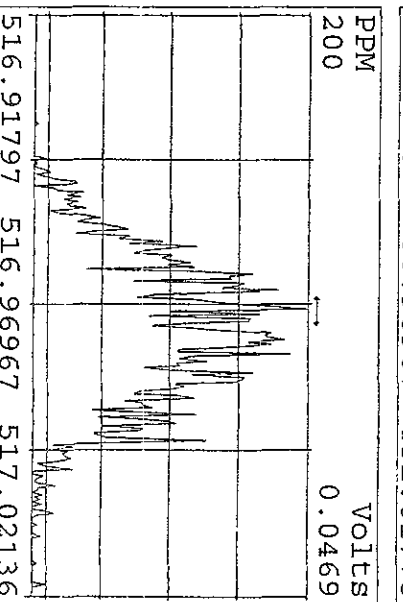
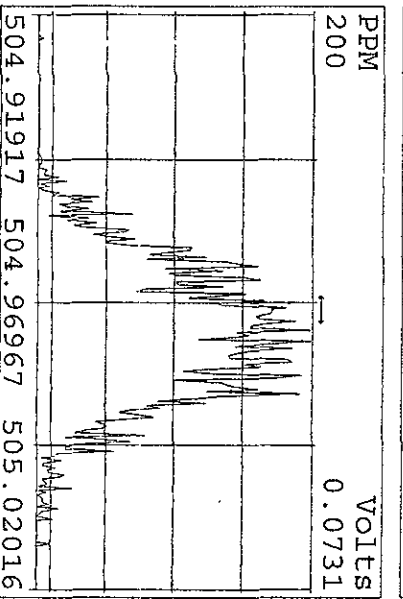
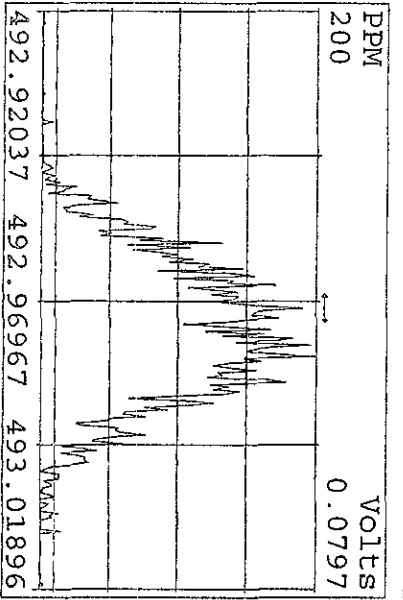
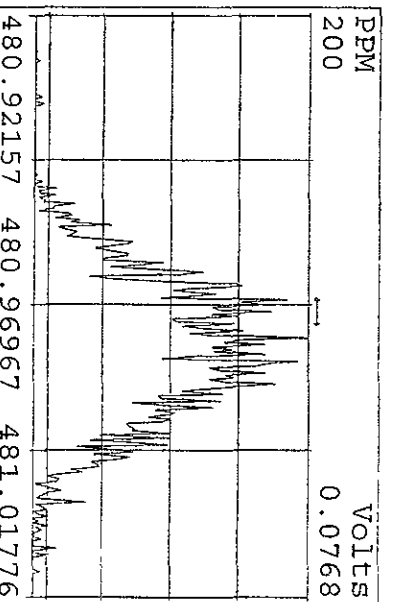
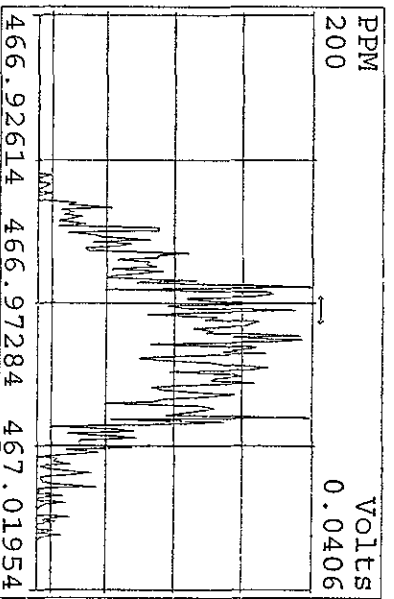
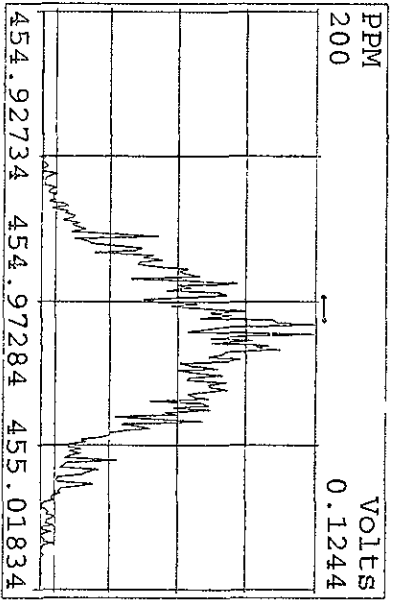
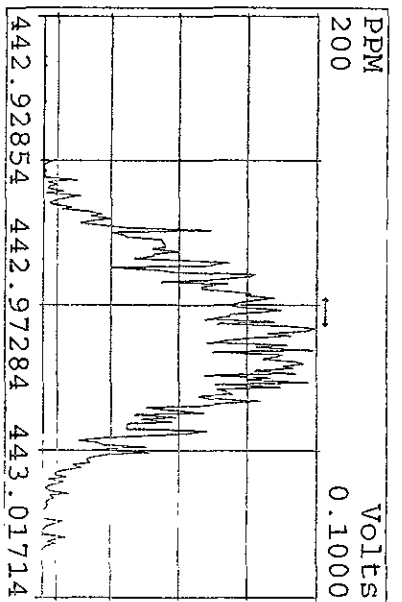
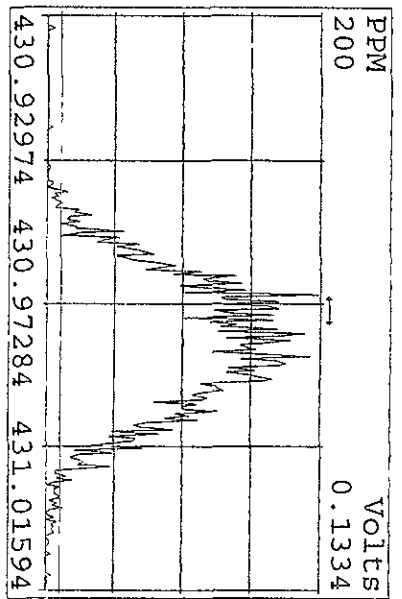
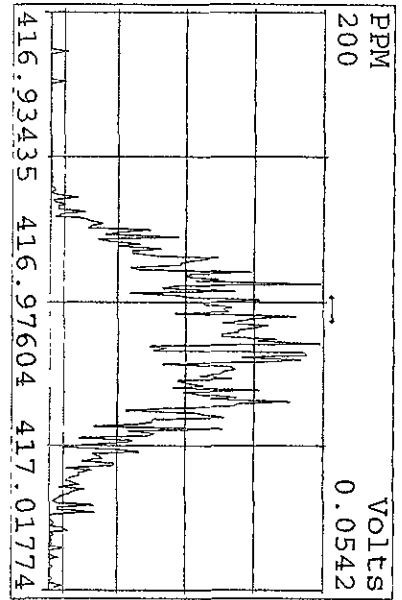




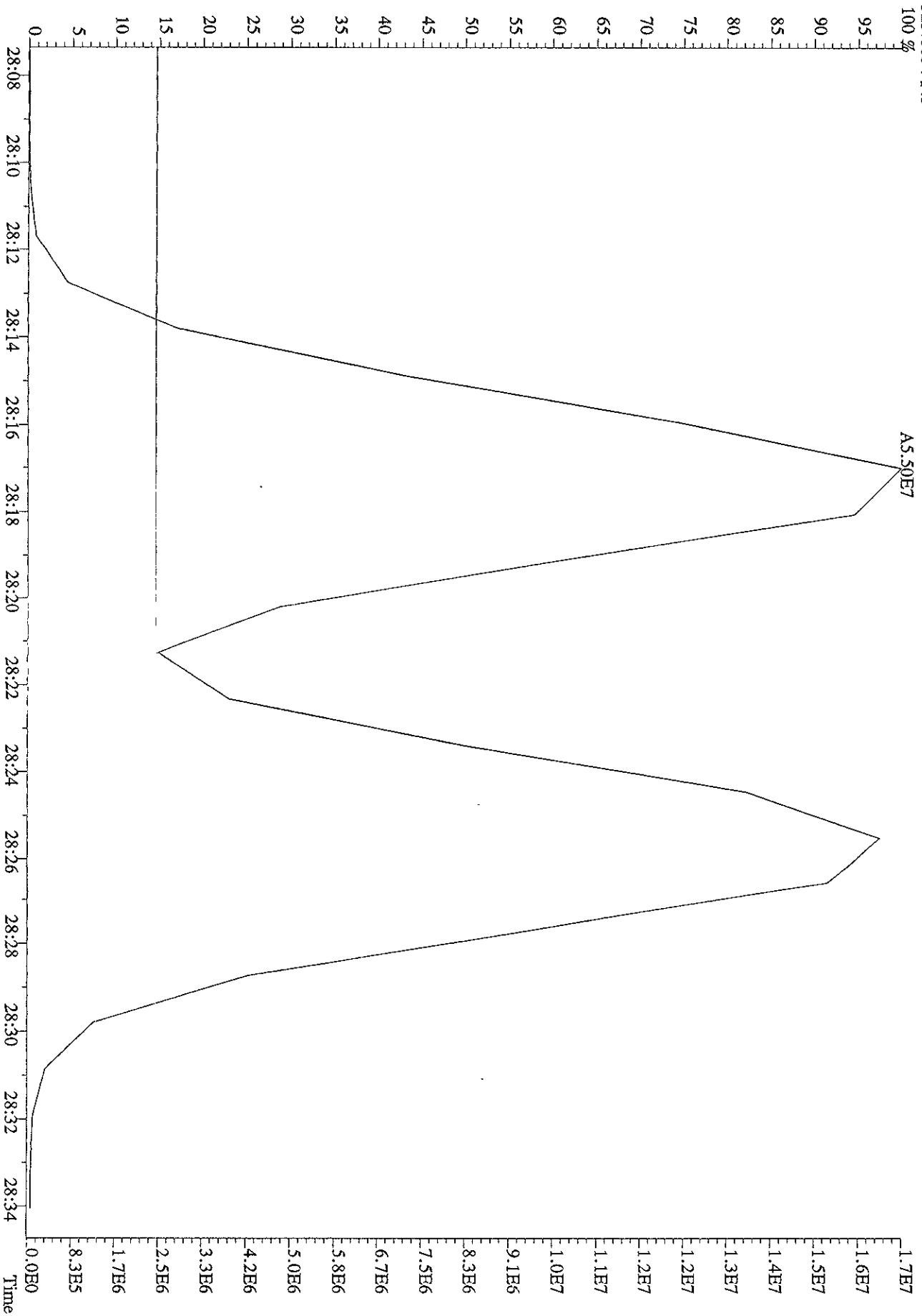
Peak Locate Examination: 22-APR-2009: 11:25 File: 21AP09A9D5EBNDRRES  
 Experiment: 209DB5 Function: 5 Reference: PFK



Peak Locate Examination: 22-APR-2009:11:29 File: 21AP099D5ENDRES  
 Experiment: 209DB5 Function: 5 Reference: PFK



File: 21AP09A9D5 #1-600 Acq: 21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#1 Text: ST0420A :CS3 09DXN016 Exp: 209DB5  
323.8834 F:3



Run: 21AP09A9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

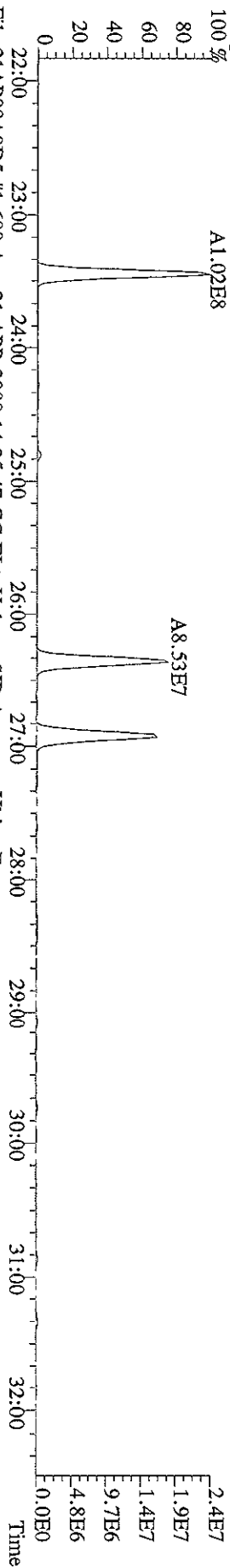
ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

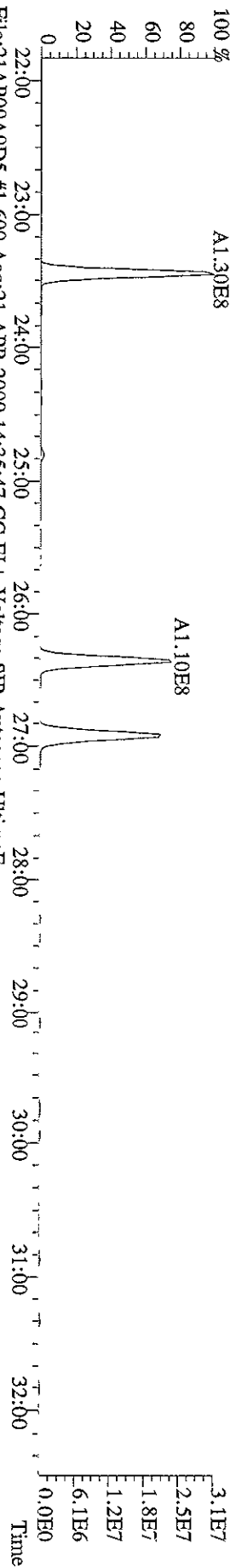
Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DecB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DECB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

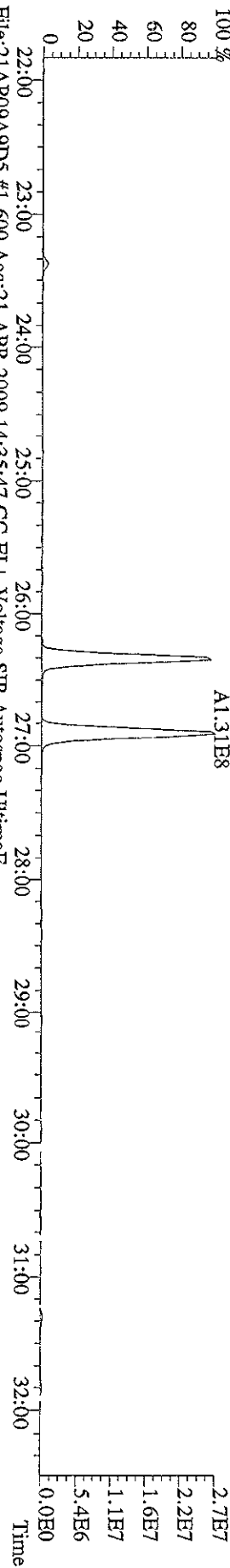
File:21AP09A9D5 #1-600 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 289.9224 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6156,0,0,00%,F,T) Exp:209DB5 Noise:1539  
 Sample Text:ST0420A :CS3 09DXN016



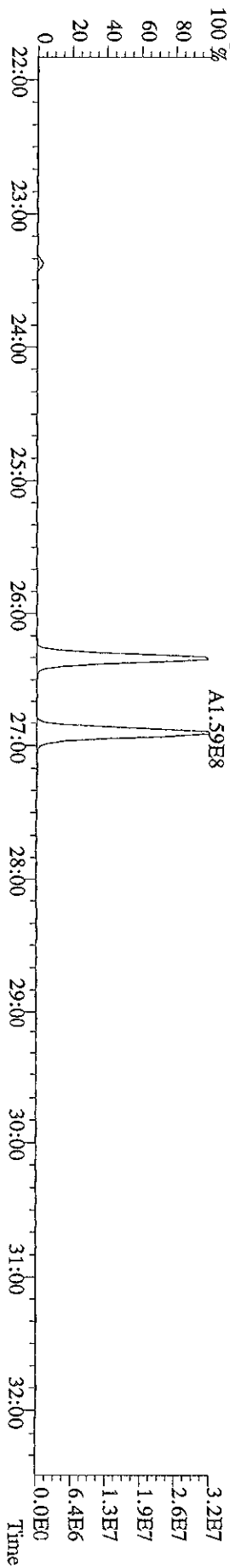
File:21AP09A9D5 #1-600 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 291.9194 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5868,0,0,00%,F,T) Exp:209DB5 Noise:1467  
 Sample Text:ST0420A :CS3 09DXN016



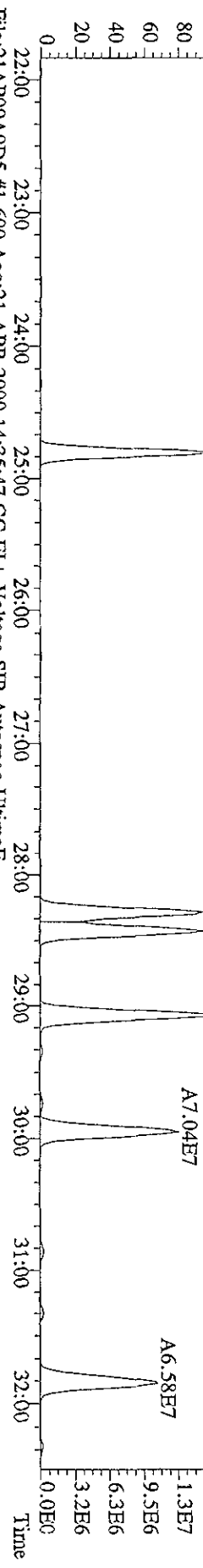
File:21AP09A9D5 #1-600 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 301.9626 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4132,0,0,00%,F,T) Exp:209DB5 Noise:1033  
 Sample Text:ST0420A :CS3 09DXN016



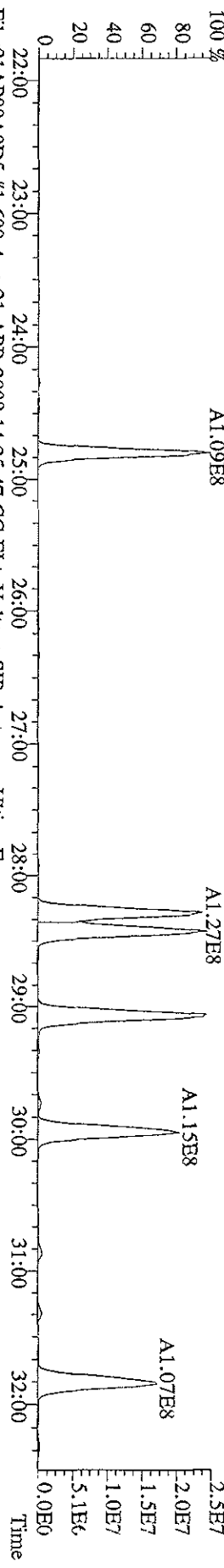
File:21AP09A9D5 #1-600 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 303.9597 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5732,0,0,00%,F,T) Exp:209DB5 Noise:1433  
 Sample Text:ST0420A :CS3 09DXN016



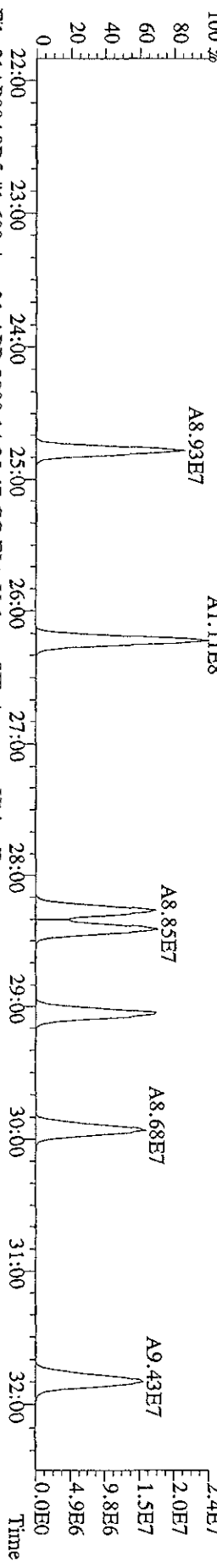
File:21AP09A9D5 #1-600 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 323.8834 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3836,0,0,00%,F,T) Exp:209DB5 Noise:959  
 Sample Text:ST0420A :CS3 09DXN016



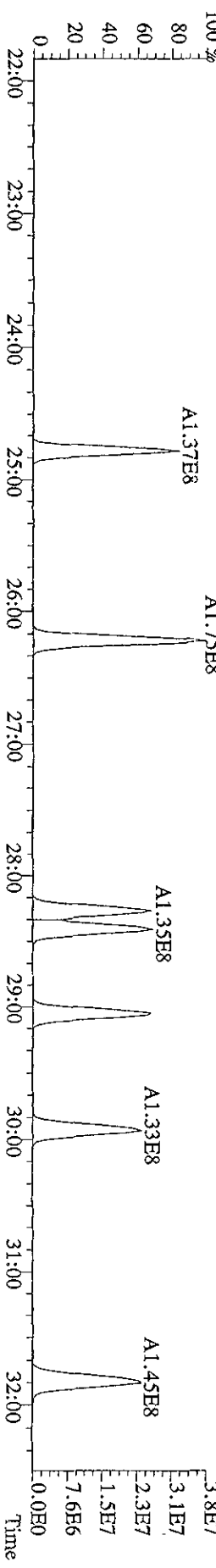
File:21AP09A9D5 #1-600 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 325.8804 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4140,0,0,00%,F,T) Exp:209DB5 Noise:1035  
 Sample Text:ST0420A :CS3 09DXN016



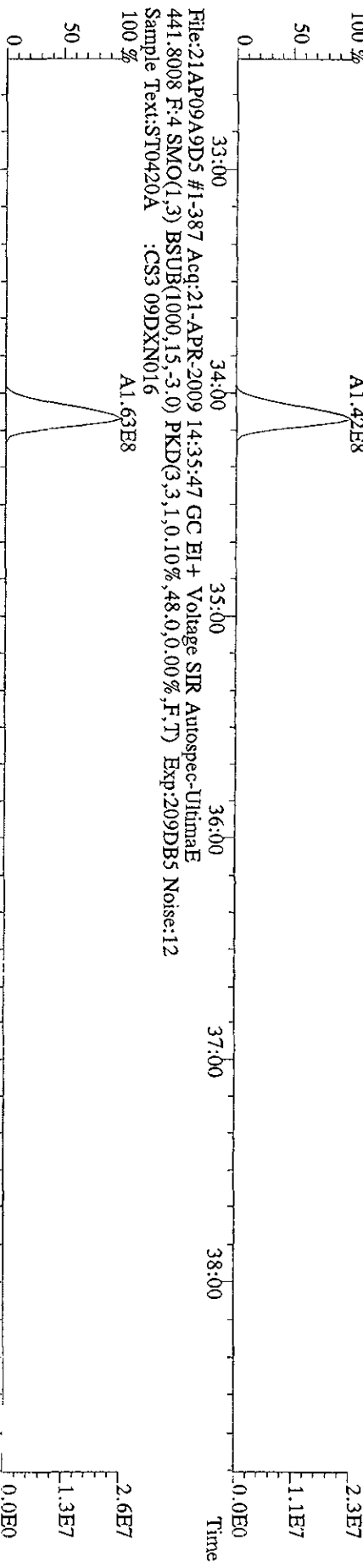
File:21AP09A9D5 #1-600 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 335.9236 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3008,0,0,00%,F,T) Exp:209DB5 Noise:752  
 Sample Text:ST0420A :CS3 09DXN016



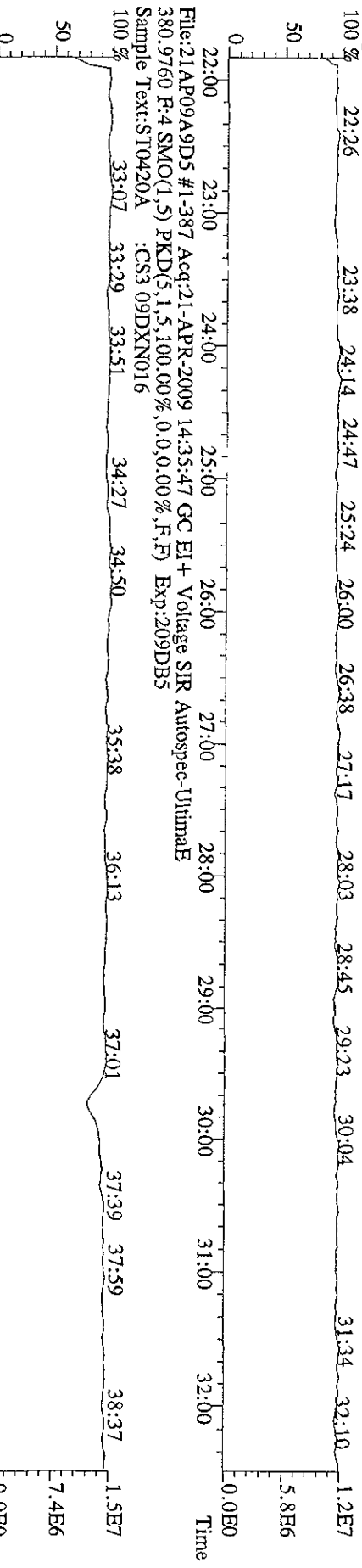
File:21AP09A9D5 #1-600 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 337.9207 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2516,0,0,00%,F,T) Exp:209DB5 Noise:629  
 Sample Text:ST0420A :CS3 09DXN016



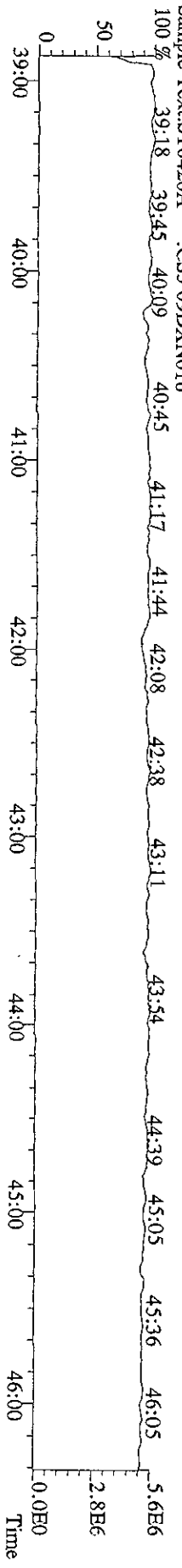
File:21AP09A9D5 #1-387 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-UltimaE  
 439.8038 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,52,0,0,00%,F,T) Exp:209DB5 Noise:13  
 Sample Text:ST0420A :CS3 09DXN016



File:21AP09A9D5 #1-600 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-UltimaE  
 380.9760 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F) Exp:209DB5  
 Sample Text:ST0420A :CS3 09DXN016

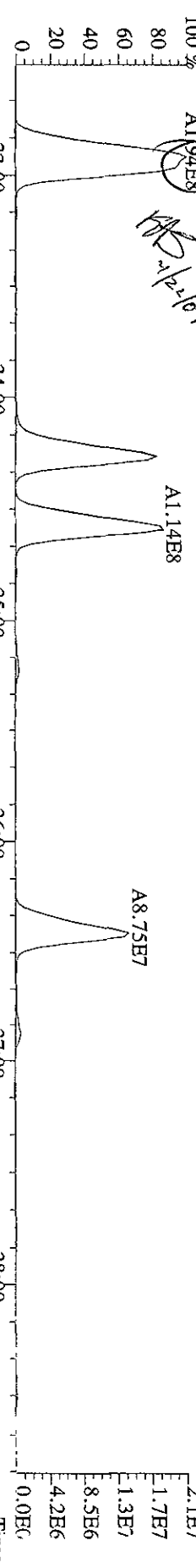


File:21AP09A9D5 #1-387 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-UltimaE  
 380.9760 F:4 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F) Exp:209DB5  
 Sample Text:ST0420A :CS3 09DXN016

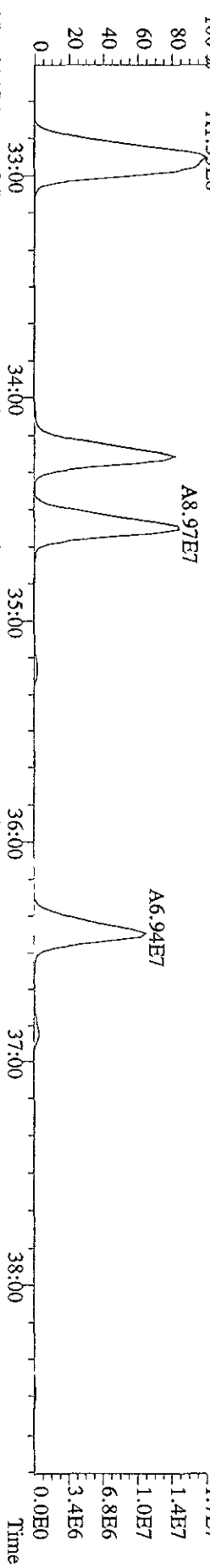




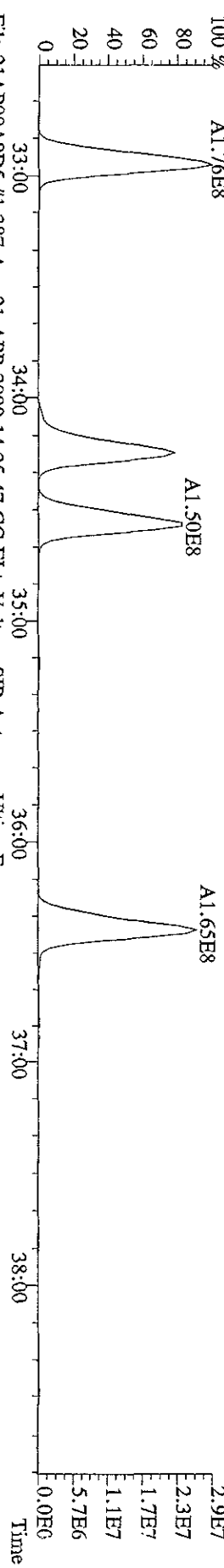
File: 21AP09A9D5 #1-387 Acq: 21-APR-2009 14:35:47 GC EI + Voltage SIR Autospec-Ultimate  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8380,0,0,00%,F,T) Exp:209DB5 Noise:2095  
 Sample Text: ST0420A :CS3 09DXN016



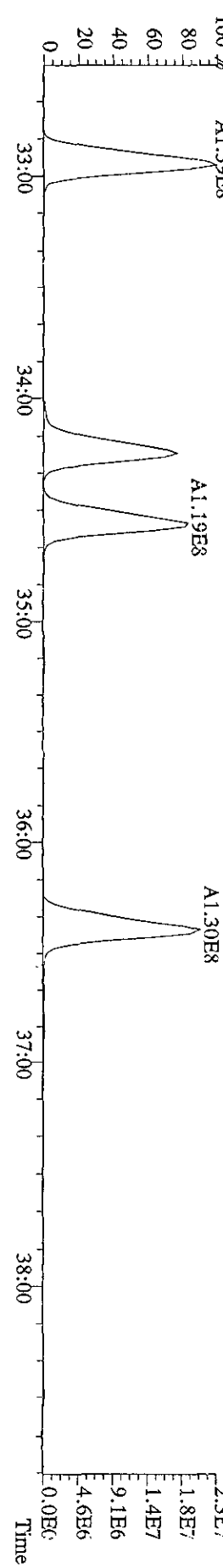
File: 21AP09A9D5 #1-387 Acq: 21-APR-2009 14:35:47 GC EI + Voltage SIR Autospec-Ultimate  
 361.8385 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8704,0,0,00%,F,T) Exp:209DB5 Noise:2176  
 Sample Text: ST0420A :CS3 09DXN016



File: 21AP09A9D5 #1-387 Acq: 21-APR-2009 14:35:47 GC EI + Voltage SIR Autospec-Ultimate  
 371.8817 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,9956,0,0,00%,F,T) Exp:209DB5 Noise:2489  
 Sample Text: ST0420A :CS3 09DXN016



File: 21AP09A9D5 #1-387 Acq: 21-APR-2009 14:35:47 GC EI + Voltage SIR Autospec-Ultimate  
 373.8788 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8336,0,0,00%,F,T) Exp:209DB5 Noise:2084  
 Sample Text: ST0420A :CS3 09DXN016

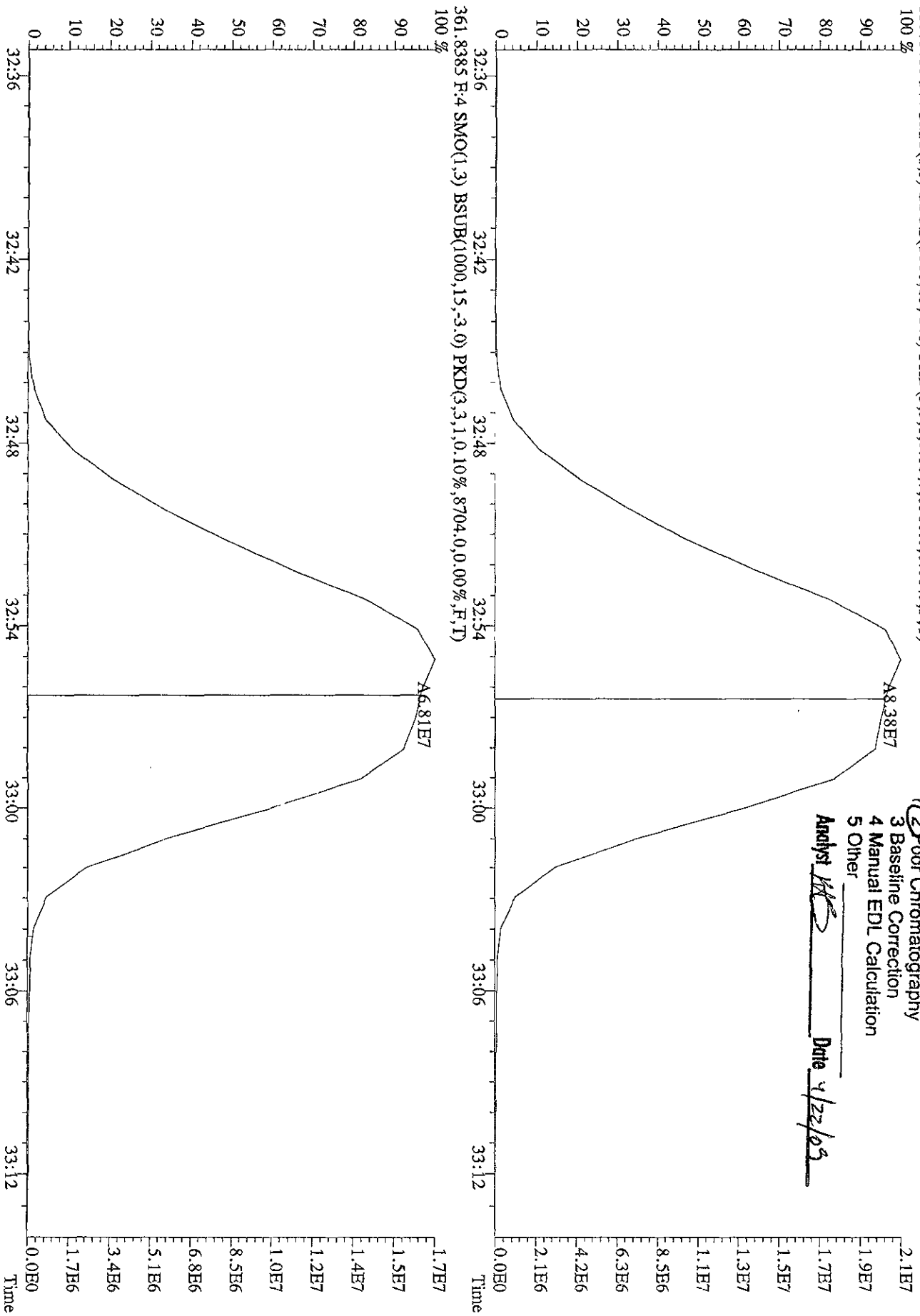


File: 21AP09A9D5 #1-387 Acq: 21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0420A :CS3 09DDXN016 Exp: 209DB5  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8704,0,0,00%,F,T)

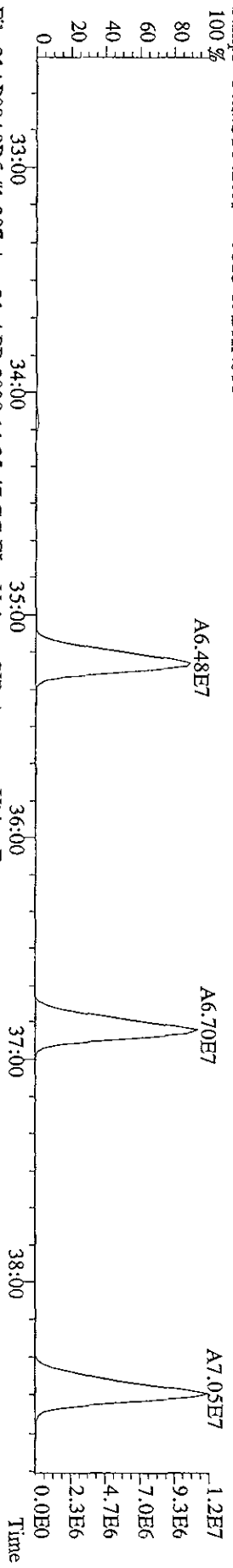
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

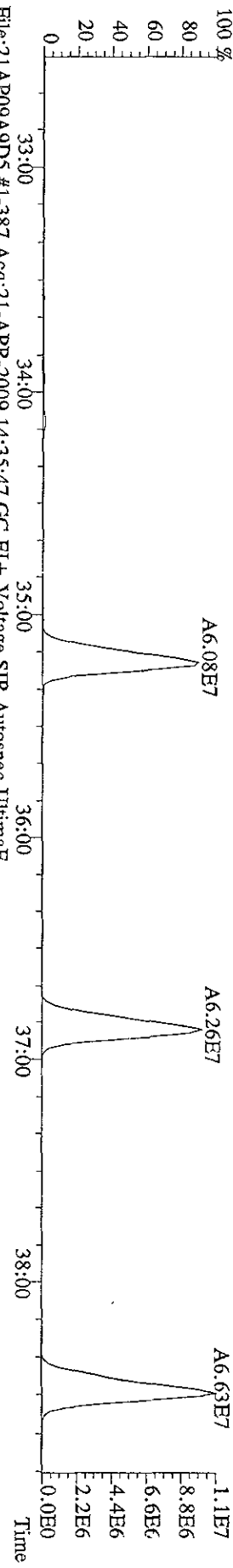
Analyst MB Date 4/22/03



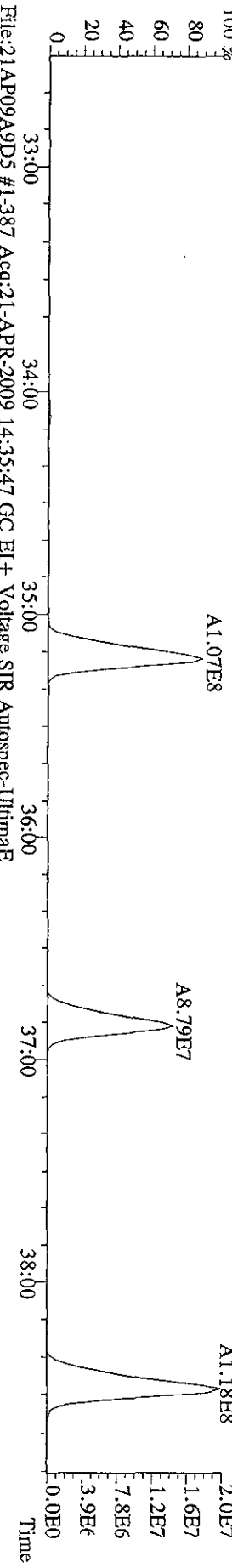
File:21AP09A9D5 #1-387 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 393.8025 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2572.0,0.00%,F,T) Exp:209DB5 Noise:643  
 Sample Text:ST0420A :CSS 09DXN016



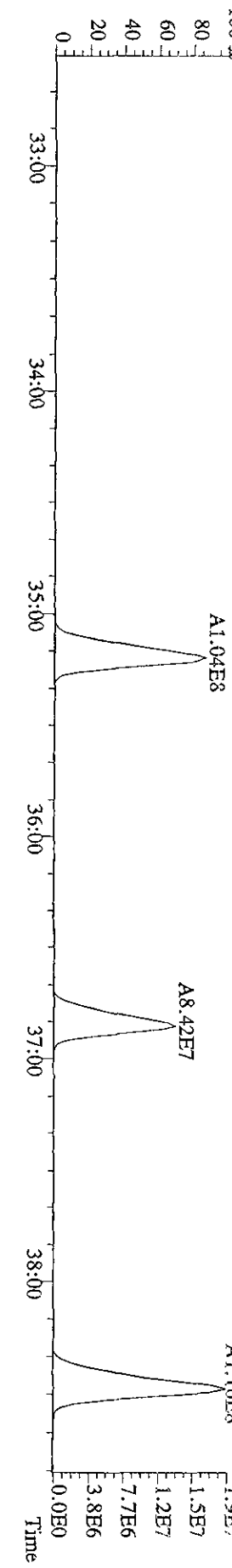
File:21AP09A9D5 #1-387 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 395.7995 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2228.0,0.00%,F,T) Exp:209DB5 Noise:557  
 Sample Text:ST0420A :CSS 09DXN016



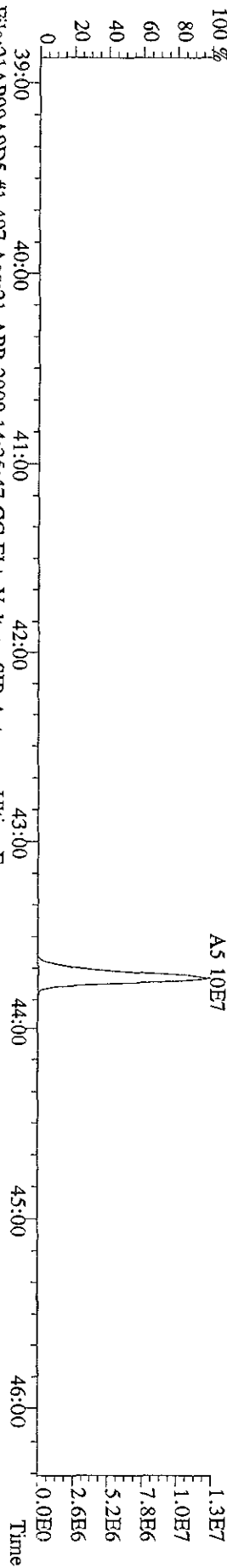
File:21AP09A9D5 #1-387 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 405.8428 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3132.0,0.00%,F,T) Exp:209DB5 Noise:783  
 Sample Text:ST0420A :CSS 09DXN016



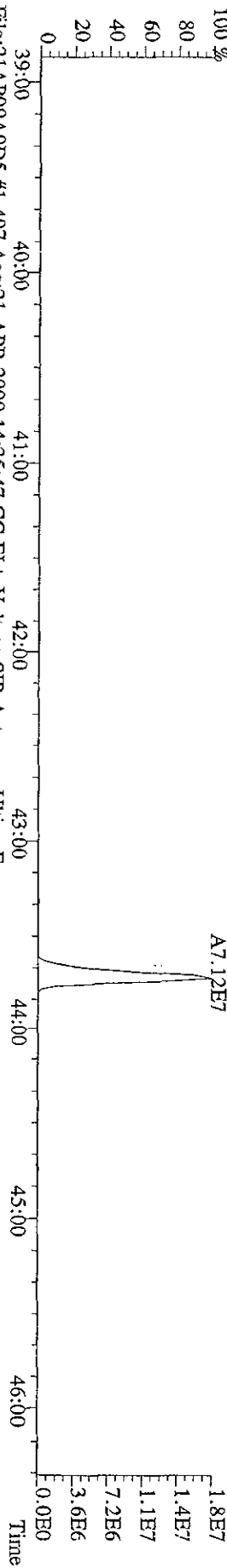
File:21AP09A9D5 #1-387 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
 407.8398 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1300.0,0.00%,F,T) Exp:209DB5 Noise:325  
 Sample Text:ST0420A :CSS 09DXN016



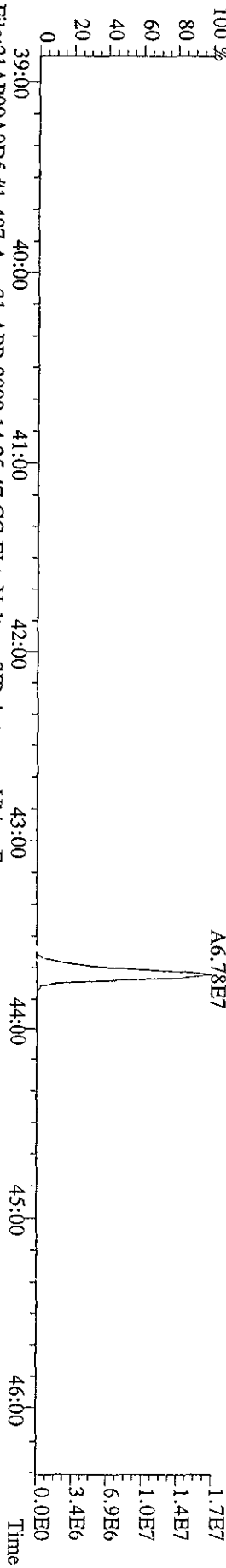
File:21AP09A9D5 #1-497 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
495.6856 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1652,0,0,00%,F,T) Exp:209DB5 Noise:413  
Sample Text:ST0420A :CS3 09DXN016



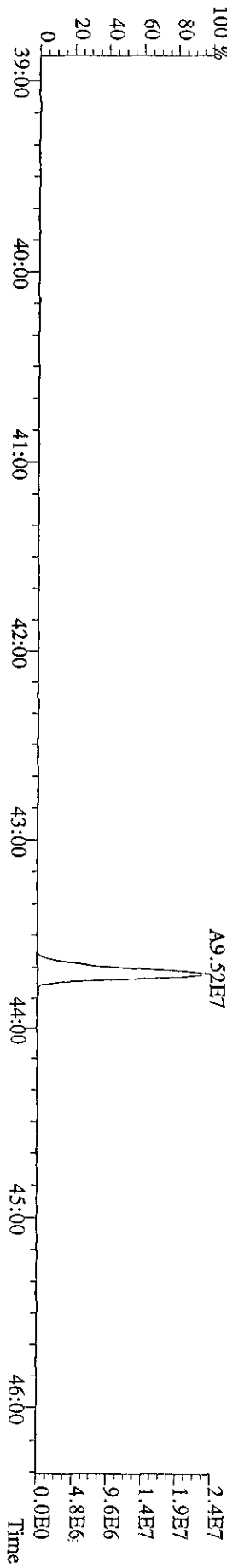
File:21AP09A9D5 #1-497 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
497.6826 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2252,0,0,00%,F,T) Exp:209DB5 Noise:563  
Sample Text:ST0420A :CS3 09DXN016



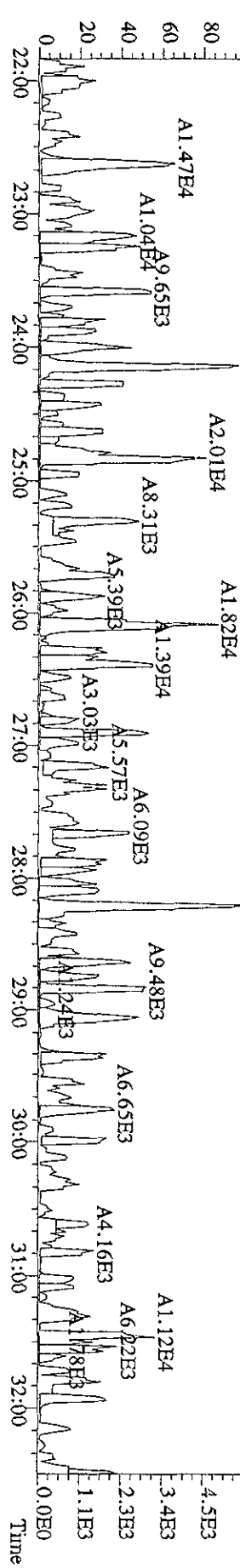
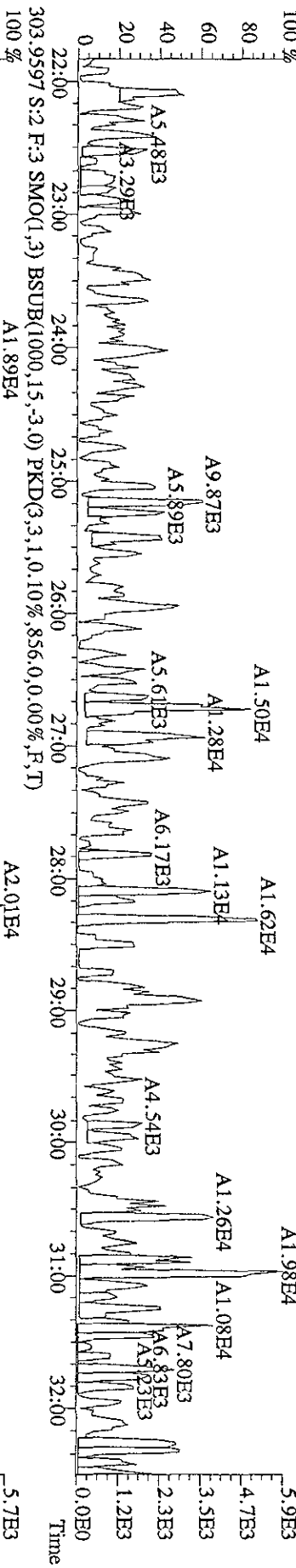
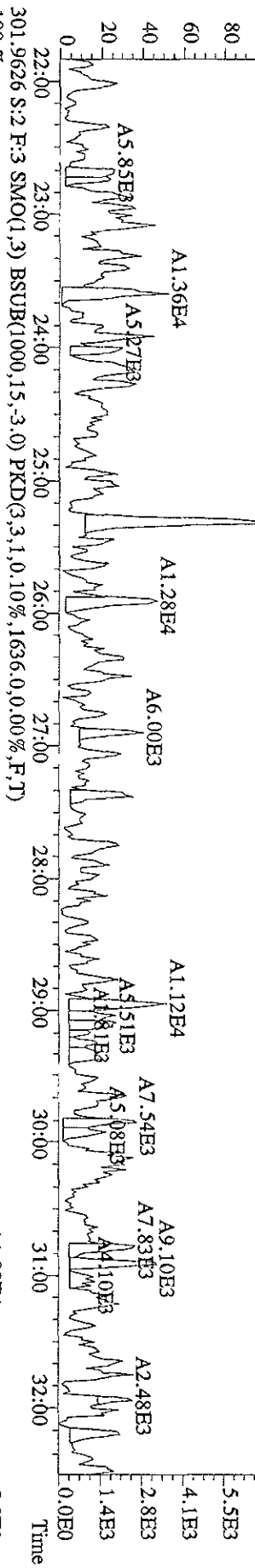
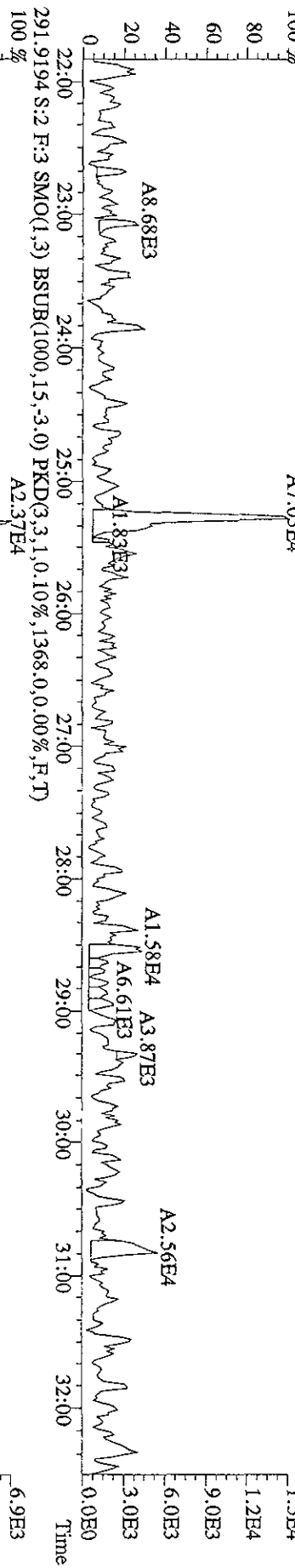
File:21AP09A9D5 #1-497 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
507.7258 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1348,0,0,00%,F,T) Exp:209DB5 Noise:337  
Sample Text:ST0420A :CS3 09DXN016



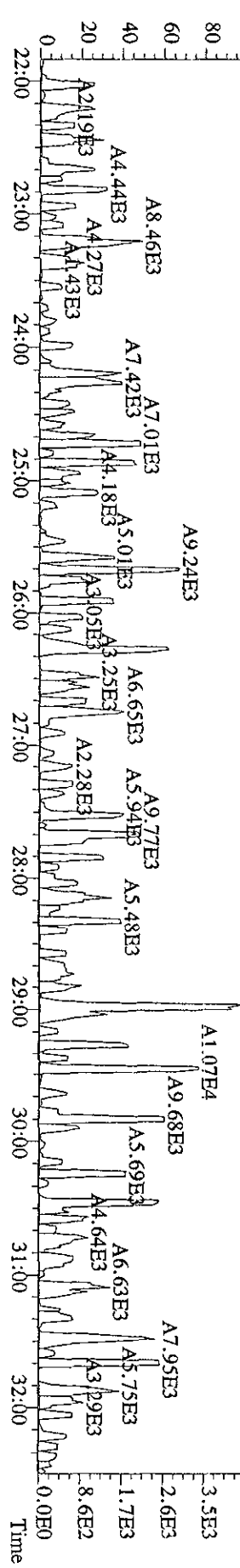
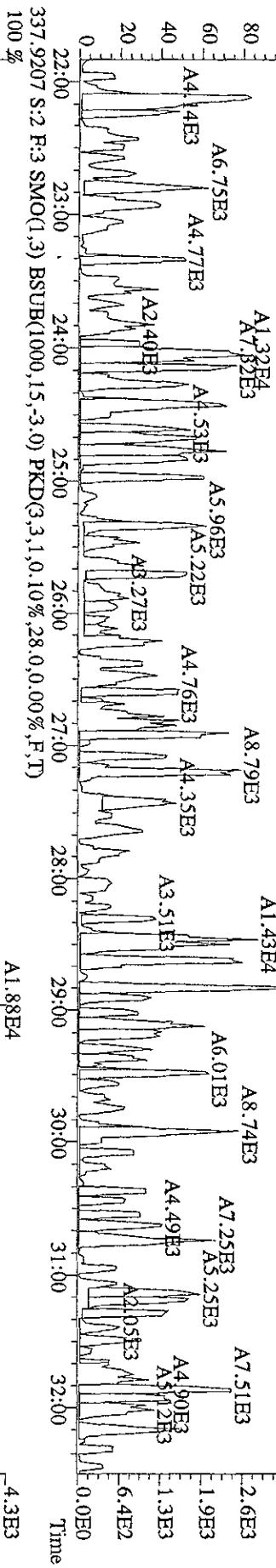
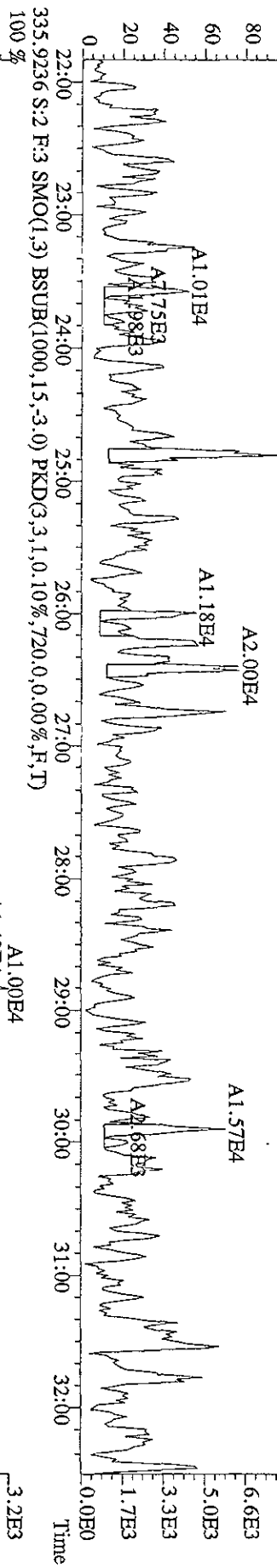
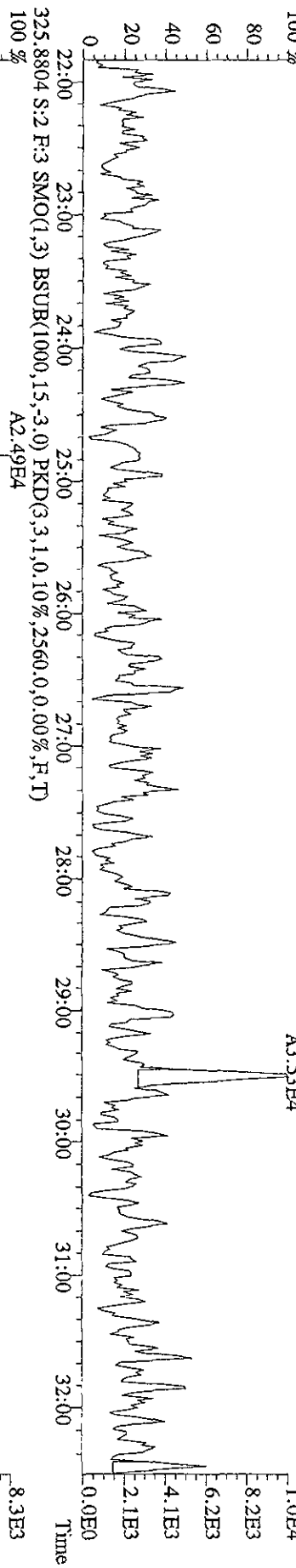
File:21AP09A9D5 #1-497 Acq:21-APR-2009 14:35:47 GC EI+ Voltage SIR Autospec-Ultimate  
509.7229 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1152,0,0,00%,F,T) Exp:209DB5 Noise:288  
Sample Text:ST0420A :CS3 09DXN016



File: 21AP09A9D5 #1-600 Acq: 21-APR-2009 15:29:23 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#2 Text: SB0420 : Solvent Blank C-12 Exp: 209DB5  
289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2168.0,0.00%,F,T) A7.03E4

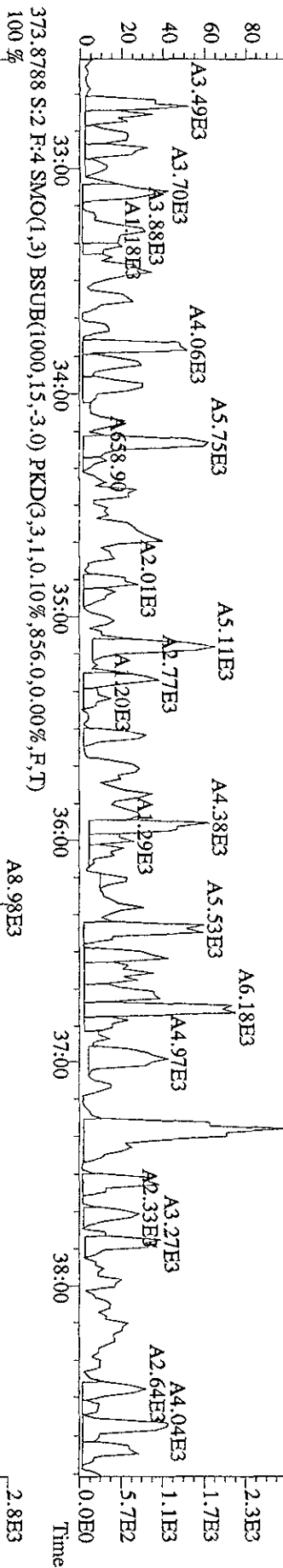
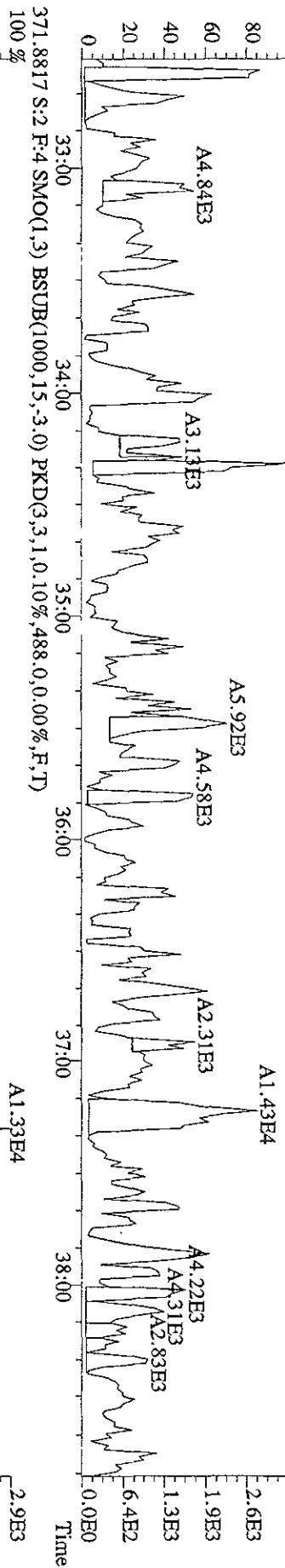
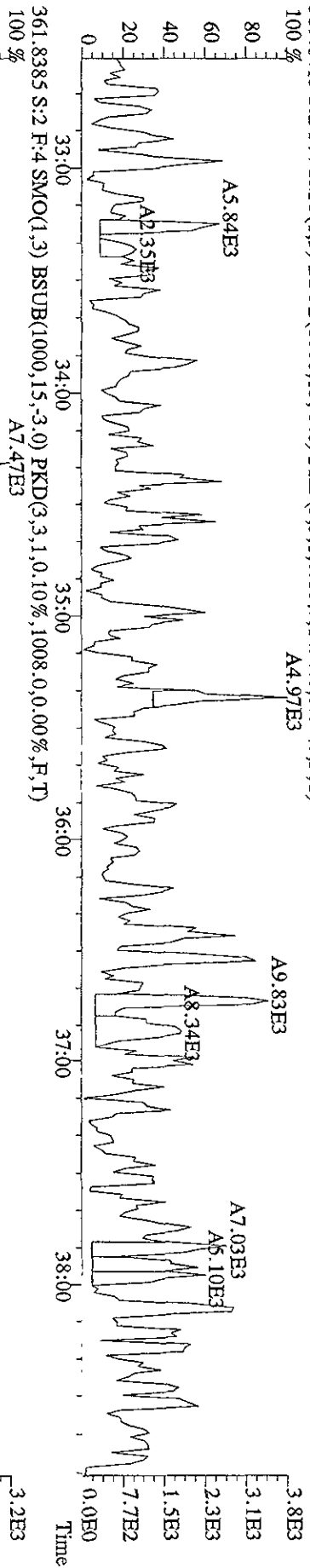


File:21AP09A9D5 #1-600 Acq:21-APR-2009 15:29:23 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:SB0420 :Solvent Blank C-12 Exp:209DB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2856,0,0,00%,F,T)



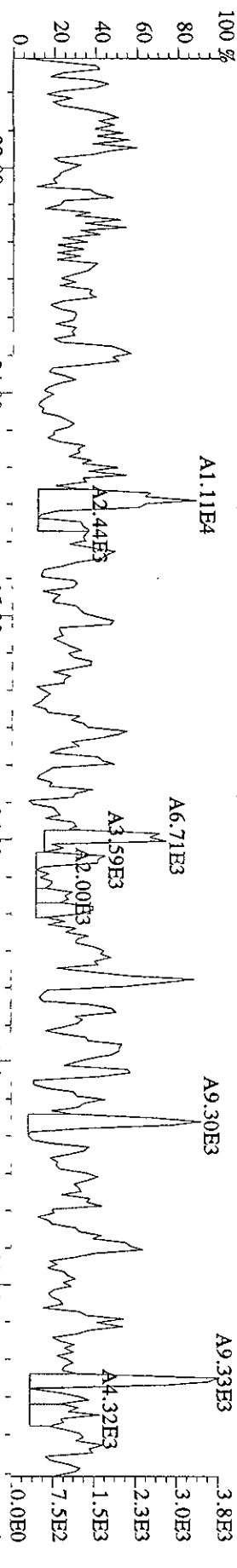


File: 21AP09A9D5 #1-387 Acq: 21-APR-2009 15:29:23 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#2 Text: SB0420 :Solvent Blank C-12 Exp: 209DB5  
359,8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1496,0.000%,F,T)  
100%

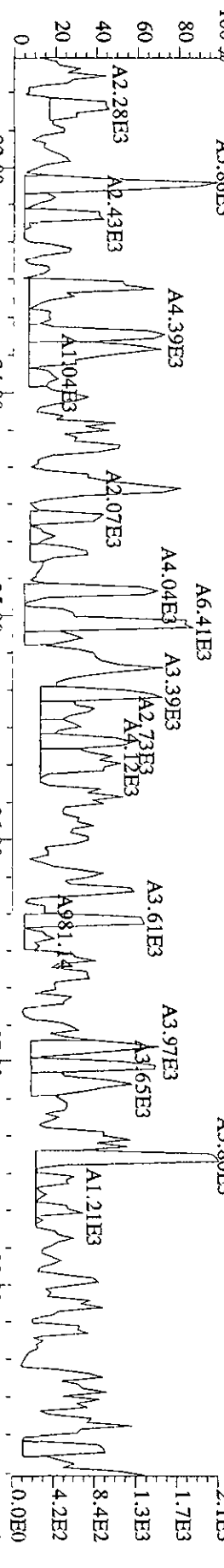




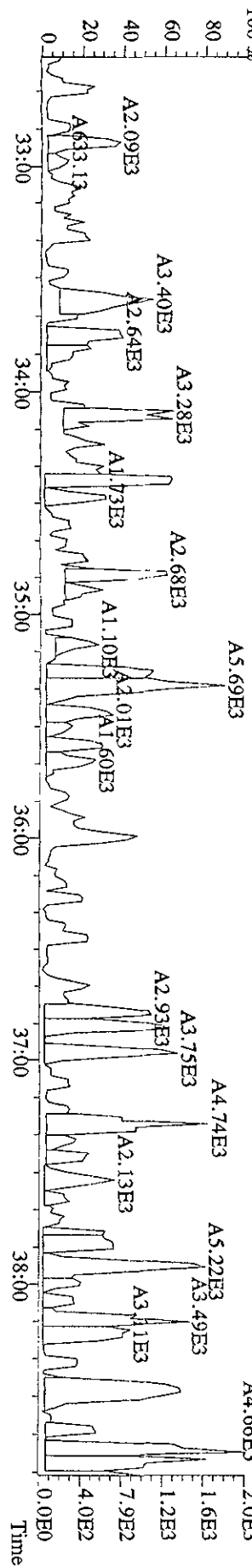
395.7995 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,692.0,0.00%,F,T)  
100 %



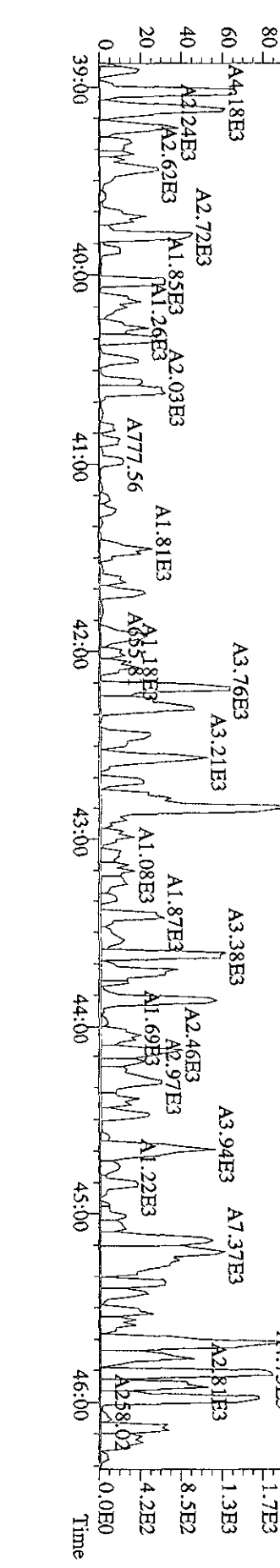
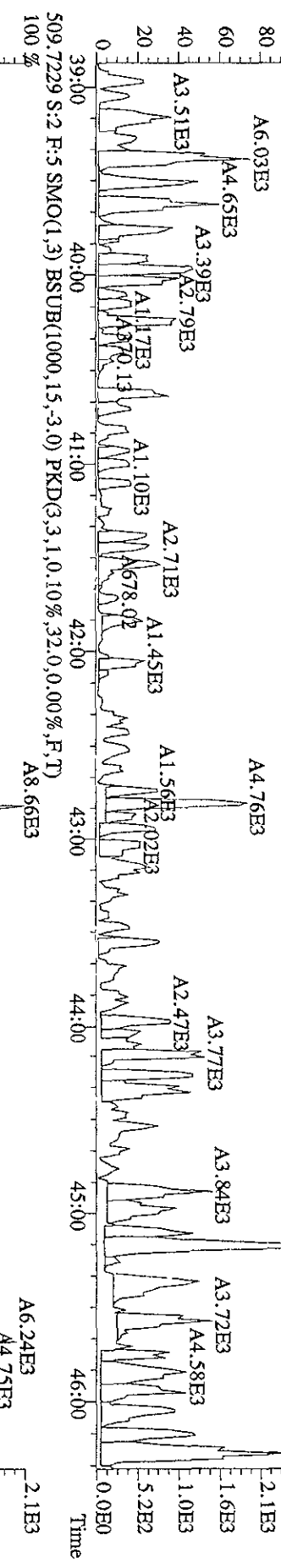
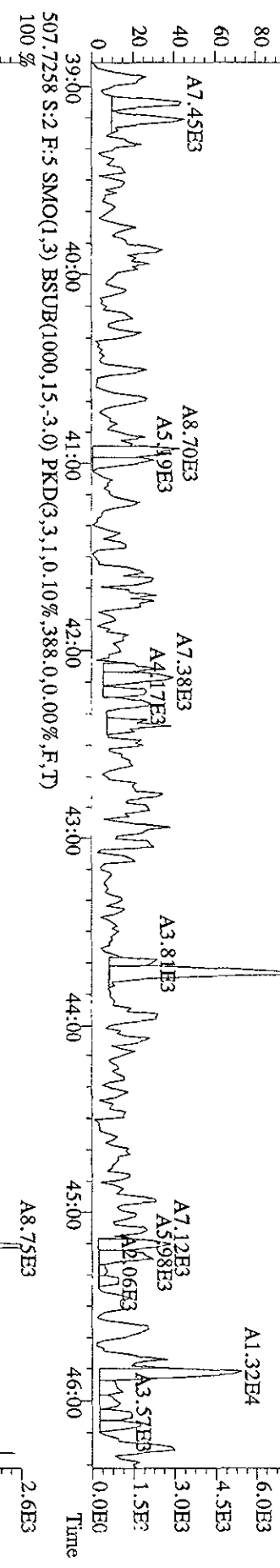
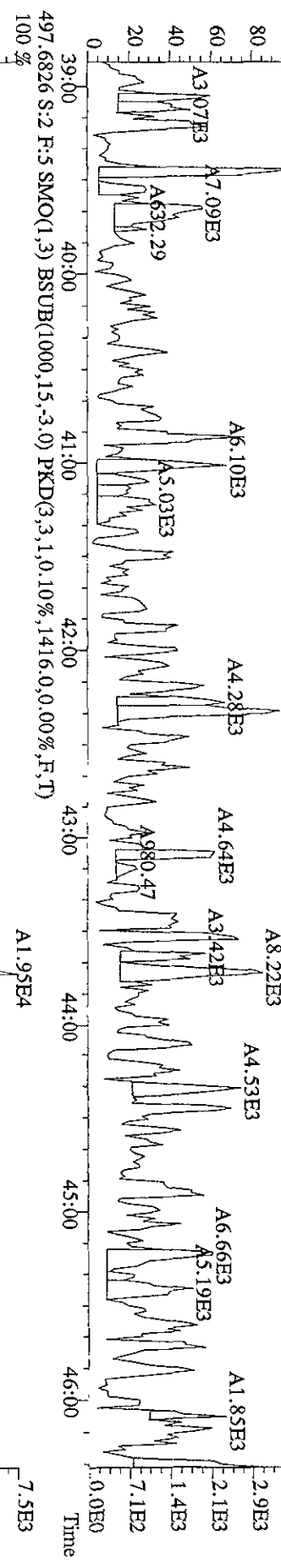
405.8428 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1312.0,0.00%,F,T)  
100 %



407.8398 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,352.0,0.00%,F,T)  
100 %



File:21AP09A9D5 #1-497 Acq:21-APR-2009 15:29:23 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#2 Text:SB0420 :Solvent Blank C-12 Exp:209DB5  
495.6856 S.2.F.5.SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1260.0,0.00%,F,T)  
100 %



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668M (Short List)

Associated ICAL 11668 MSLDE01150 9905

Column ID DB-5

Instrument ID 905

STD ID 570422A

STD Solution 090XN010

Analyzed by KAS

Date Analyzed 4/22/09

Std. Pkg. By KAS

Date Std. Pkg. Assembled 4/23/09

Std. Pkg. Reviewed By KAS

Date Std. Pkg. Reviewed 4/23/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley $\leq$ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Static Resolutions present?	✓	✓

COMMENTS:

\* Method 1668A(PCBs):  $\pm 30\%$  from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and  $\pm 50\%$  for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the  $\pm 30\%$  limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have  $\pm 40\%$  limit.

Method 1614 (DBDs/DBFs):  $\pm 30\%$  from curve RRFs for native analytes and  $\pm 50\%$  from curve RRFs for labeled compounds (Note: BDE-209 is  $+200\%$  to  $-50\%$ , 13C-BDE-209 is  $+200\%$  to  $-75\%$  and 13C-BDE-139 is  $\pm 30\%$ ).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0422A File text: ST0422A :CS3 09DXN016  
 Run #6 Filename 22AP099D5 S: 1 I: 1  
 Acquired: 22-APR-09 11:44:43 Processed: 23-APR-09 09:06:34  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 22AP099D51668MSL

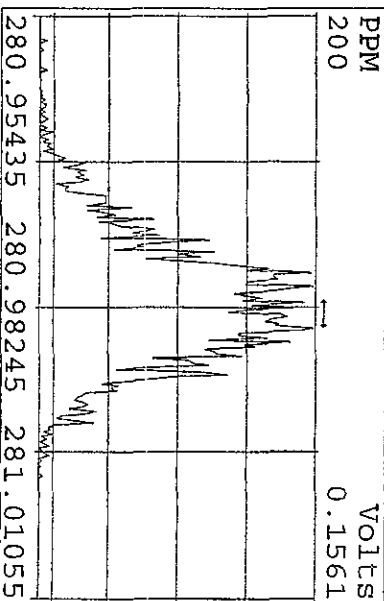
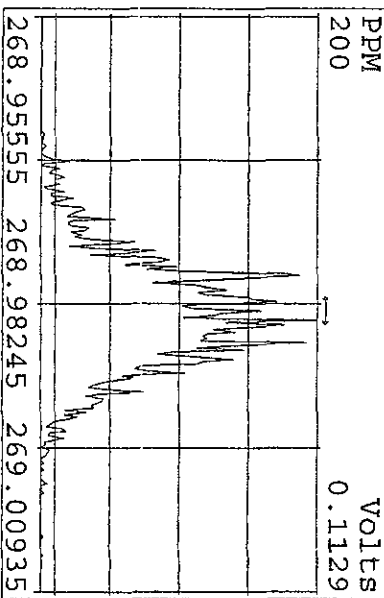
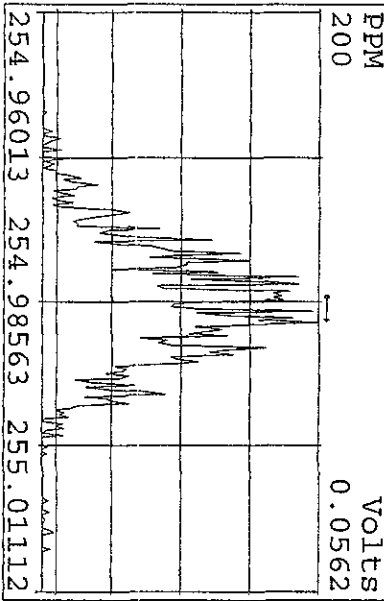
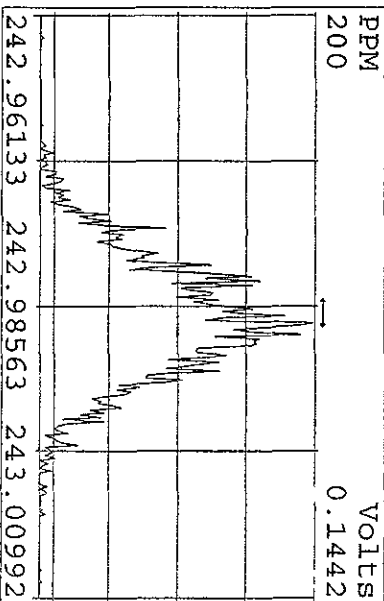
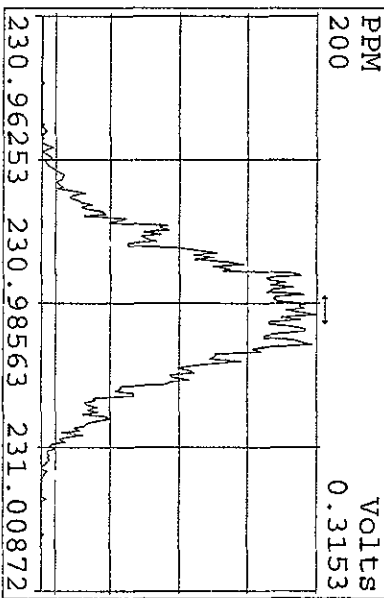
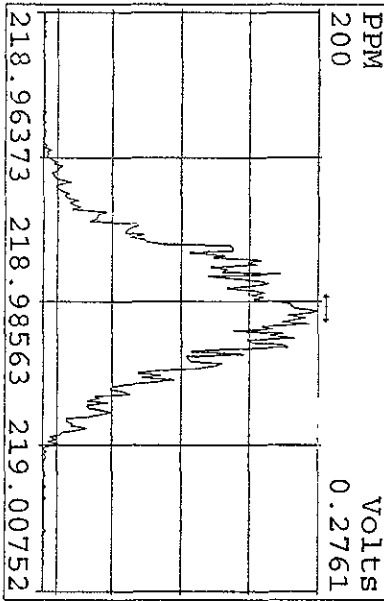
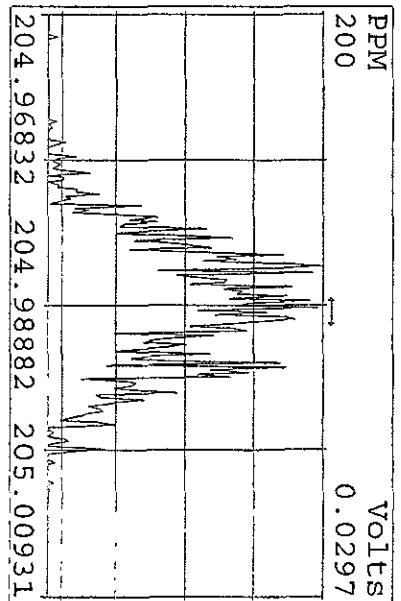
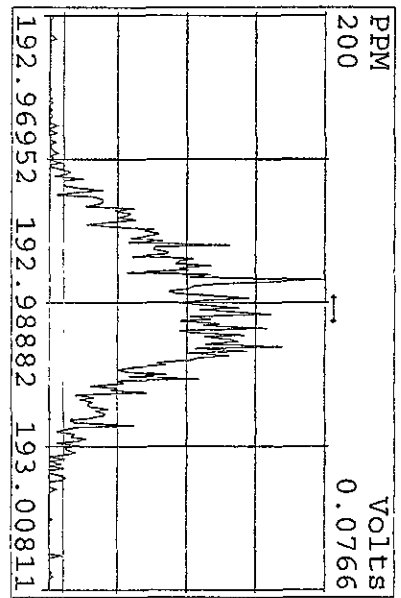
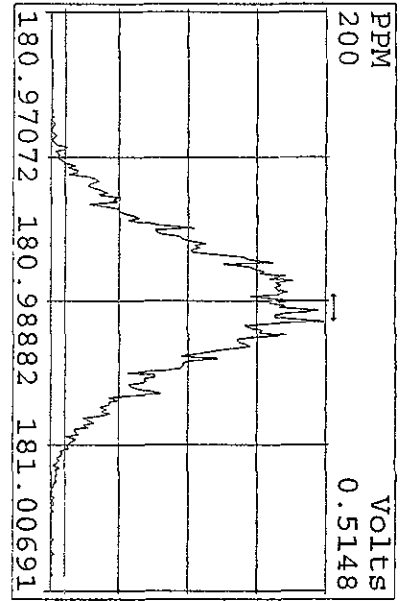
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	248371000	0.65 y	24:48	-	100.00	-	n
13C-TCB-81	270021000	0.81 y	26:21	1.09	100.00	14.8	n
TCB-81	190883100	0.74 y	26:22	1.41	50.00	10.6	n
13C-TCB-77	286015000	0.81 y	26:55	1.15	100.00	17.2	n
TCB-77	182268800	0.75 y	26:56	1.27	50.00	15.5	n
13C-PeCB-123	244194300	0.65 y	28:17	0.98	100.00	12.8	n
PeCB-123	211101200	0.60 y	28:18	1.73	50.00	14.6	n
13C-PeCB-118	240785200	0.65 y	28:25	0.97	100.00	-1.5	n
PeCB-118/106	211096000	0.61 y	28:26	1.75	50.00	14.7	n
13C-PeCB-114	252496700	0.65 y	29:04	1.02	100.00	5.2	n
PeCB-114	227517300	0.60 y	29:05	1.80	50.00	13.7	n
13C-PeCB-105	246013500	0.64 y	29:56	0.99	100.00	10.4	n
PeCB-105/127	197596300	0.60 y	29:57	1.61	50.00	12.9	n
13C-PeCB-126	262334000	0.64 y	31:50	1.06	100.00	15.9	n
PeCB-126	181987400	0.61 y	31:51	1.39	50.00	18.3	n
13C-OcCB-202	274944000	0.82 y	34:07	-	100.00	-	n
13C-HxCB-167	298070000	1.26 y	32:58	1.08	100.00	28.8	n
HxCB-167	161830700	1.25 y	32:55	1.09	50.00	-7.1	y
13C-HxCB-156	248893000	1.30 y	34:15	0.91	100.00	35.1	n
HxCB-156	187553800	1.29 y	34:16	1.51	50.00	3.8	n
13C-HxCB-157	256584000	1.28 y	34:34	0.93	100.00	32.0	n
HxCB-157	192912500	1.27 y	34:35	1.50	50.00	4.0	n
13C-HxCB-169	281408000	1.27 y	36:24	1.02	100.00	39.5	n
HxCB-169	147882500	1.28 y	36:25	1.05	50.00	6.3	n
13C-HpCB-180	200601900	1.06 y	35:13	0.73	100.00	24.8	n
HpCB-180	115697300	1.08 y	35:13	1.15	50.00	-8.8	n
13C-HpCB-170	165560500	1.08 y	36:51	0.60	100.00	26.9	n
HpCB-170/190	119384500	1.10 y	36:53	1.44	50.00	-10.2	n
13C-HpCB-189	218963000	1.06 y	38:29	0.80	100.00	33.1	n
HpCB-189	123373400	1.10 y	38:30	1.13	50.00	-6.6	n
13C-DeCB-209	153811800	0.72 y	43:43	0.56	100.00	21.6	n
DECB-209	117073000	0.71 y	43:43	1.52	50.00	1.2	n
13C-PeCB-111	311339000	0.63 y	26:13	1.27	100.00	-6.7	n

Run text: ST0422A File text: ST0422A :CS3 09DXN016  
 Run #6 Filename 22AP099D5 S: 1 I: 1  
 Acquired: 22-APR-09 11:44:43 Processed: 23-APR-09 09:06:34  
 Run: 22AP099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 22AP099D51668MSL

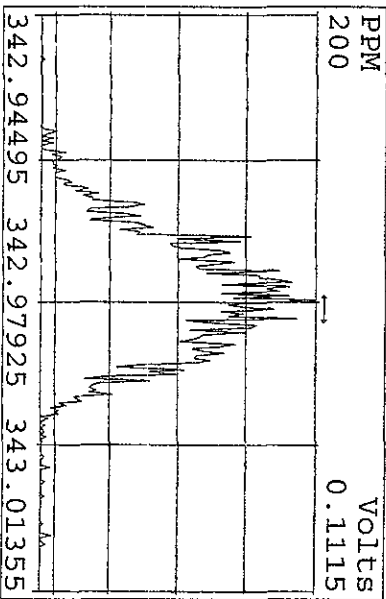
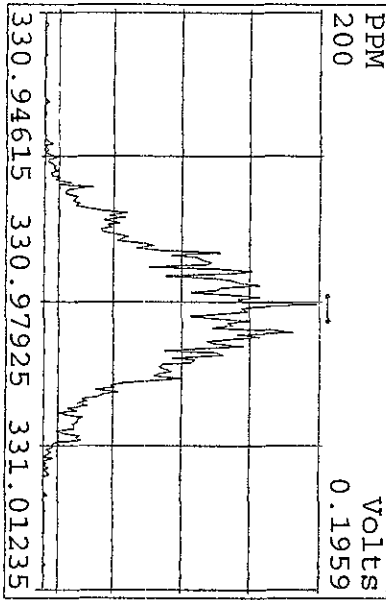
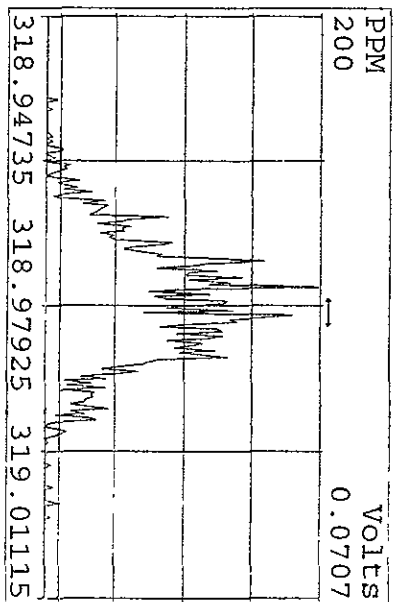
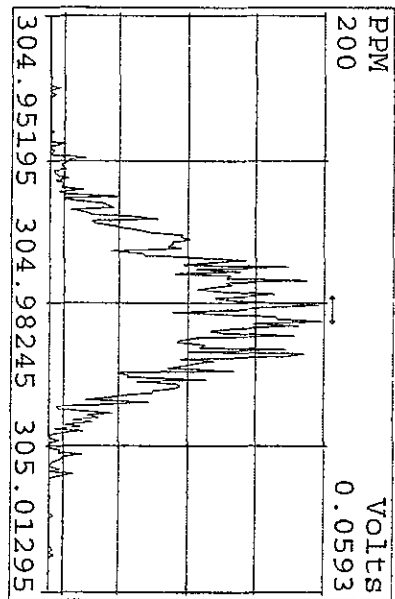
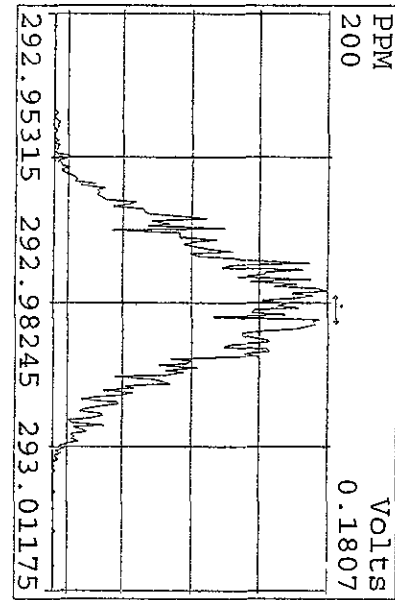
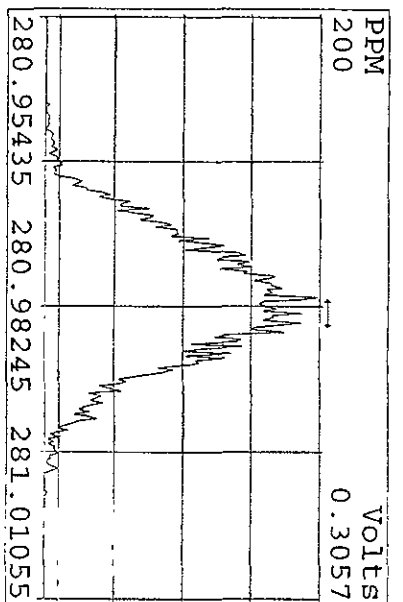
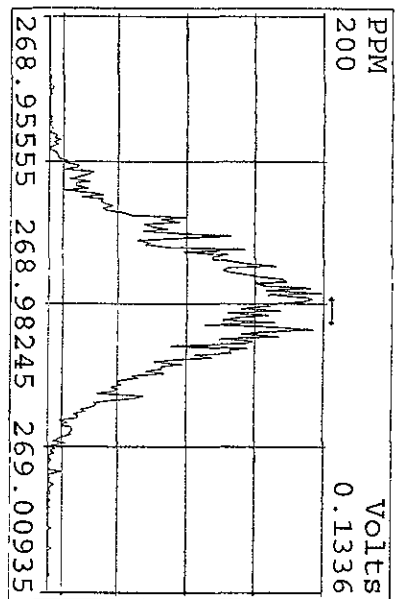
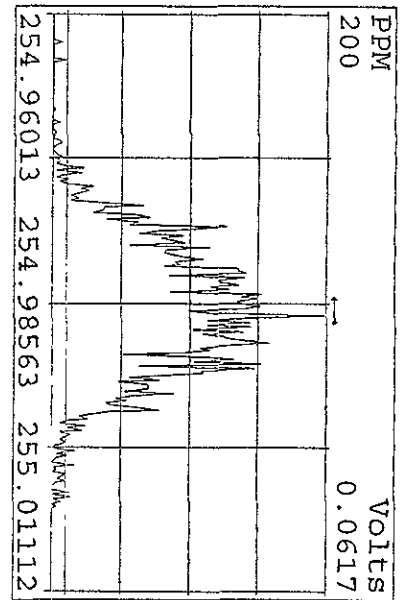
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	248371000	0.65 y	24:48	-	100.00	-	n
13C-TCB-81	270021000	0.81 y	26:21	1.09	100.00	14.8	n
TCB-81	190883100	0.74 y	26:22	1.41	50.00	10.6	n
13C-TCB-77	286015000	0.81 y	26:55	1.15	100.00	17.2	n
TCB-77	182268800	0.75 y	26:56	1.27	50.00	15.5	n
13C-PeCB-123	248371000	0.65 y	24:48	1.00	100.00	14.7	n
PeCB-123	182082500	0.61 y	24:49	1.47	50.00	-2.8	n
13C-PeCB-118	240785200	0.65 y	28:25	0.97	100.00	-1.5	n
PeCB-118/106	211096000	0.61 y	28:26	1.75	50.00	14.7	n
13C-PeCB-114	240785200	0.65 y	28:25	0.97	100.00	0.3	n
PeCB-114	211096000	0.61 y	28:26	1.75	50.00	10.6	n
13C-PeCB-105	252496700	0.65 y	29:04	1.02	100.00	13.3	n
PeCB-105/127	227517300	0.60 y	29:05	1.80	50.00	26.7	n
13C-PeCB-126	262334000	0.64 y	31:50	1.06	100.00	15.9	n
PeCB-126	181987400	0.61 y	31:51	1.39	50.00	18.3	n
13C-OcCB-202	274944000	0.82 y	34:07	-	100.00	-	n
13C-HxCB-167	298070000	1.26 y	32:58	1.08	100.00	28.8	n
HxCB-167	324261000	1.27 y	32:58	2.18	50.00	86.1	n
13C-HxCB-156	248893000	1.30 y	34:15	0.91	100.00	35.1	n
HxCB-156	187553800	1.29 y	34:16	1.51	50.00	3.8	n
13C-HxCB-157	256584000	1.28 y	34:34	0.93	100.00	32.0	n
HxCB-157	192912600	1.27 y	34:35	1.50	50.00	4.0	n
13C-HxCB-169	281408000	1.27 y	36:24	1.02	100.00	39.5	n
HxCB-169	147882500	1.28 y	36:25	1.05	50.00	6.3	n
13C-HpCB-180	200601900	1.06 y	35:13	0.73	100.00	24.8	n
HpCB-180	115697300	1.08 y	35:13	1.15	50.00	-8.8	n
13C-HpCB-170	165560500	1.08 y	36:51	0.60	100.00	26.9	n
HpCB-170/190	119384500	1.10 y	36:53	1.44	50.00	-10.2	n
13C-HpCB-189	218963000	1.06 y	38:29	0.80	100.00	33.1	n
HpCB-189	123373400	1.10 y	38:30	1.13	50.00	-6.6	n
13C-DeCB-209	153811800	0.72 y	43:43	0.56	100.00	21.6	n
DECB-209	117073000	0.71 y	43:43	1.52	50.00	1.2	n
13C-PeCB-111	262334000	0.64 y	31:50	1.07	100.00	-21.3	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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22AP099D5	2	SB0422	Solvent Blank C-12				1.00000	
22AP099D5	3	K9LD9-1-AC	G9D030338-8		1668/SOLID		10.09000 g	
22AP099D5	4	K9LD9-1-AC	G9D030338-8D		1668/SOLID		10.26000 g	
22AP099D5	5	K9LD9-1-AC	G9D030338-7		1668/SOLID		10.26000 g	
22AP099D5	6	K92JN-1-AA	G9D090272-MB R1		1668/AIR		10.00000 g	
22AP099D5	7	K9LD2-1-AC	G9D030338-1(5X)		1668/SOLID		10.24000 g	
22AP099D5	8	K9LD3-1-AC	G9D030338-2(5X)		1668/SOLID		10.23000 g	
22AP099D5	9	K9LD4-1-AC	G9D030338-3(5X)		1668/SOLID		10.08000 g	
22AP099D5	10	K9LD5-1-AC	G9D030338-4(5X)		1668/SOLID		10.16000 g	
22AP099D5	11	K9LD6-1-AC	G9D030338-5(5X)		1668/SOLID		10.28000 g	
22AP099D5	12	K9LD7-1-AC	G9D030338-6(5X)		1668/SOLID		10.18000 g	
22AP099D5	13	K9LD7-1-AD	G9D030338-6S(5X)		1668/SOLID		10.09000 g	
22AP099D5	14	K9LD7-1-AE	G9D030338-6D(5X)		1668/SOLID		10.30000 g	
22AP099D5	15	SB0422A	Solvent Blank C-12				1.00000	
22AP099D5	16	ST0422B	CS3 09DXN016 — 2nd STD only				1.00000	
22AP099D5	17	SB0422B	Solvent Blank C-12				1.00000	
22AP099D5	18	K9LD8-1-AC	G9D030338-7(5X)		1668/SOLID		10.09000 g	
22AP099D5	19	K9LD9-1-AC	G9D030338-8(5X)		1668/SOLID		10.26000 g	
22AP099D5	20						1.00000	
22AP099D5	21						1.00000	
22AP099D5	22						1.00000	
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Peak Locate Examination: 22-APR-2009:11:43 File: 22AP099D5  
 Experiment: 209DB5 Function: 1 Reference: PFK

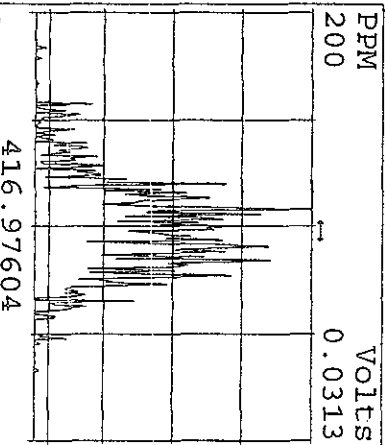
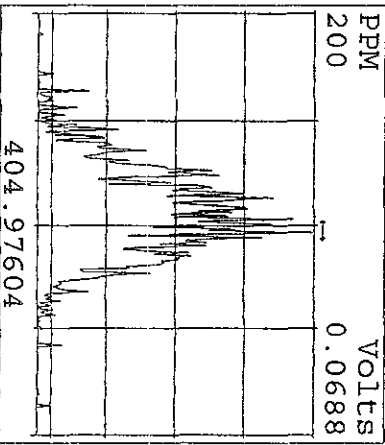
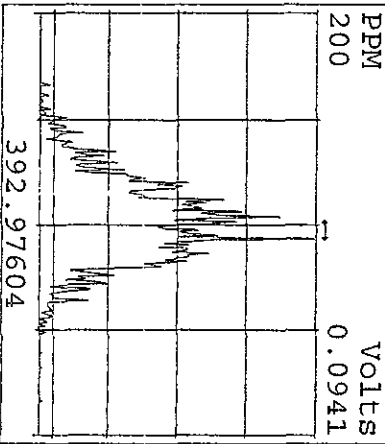
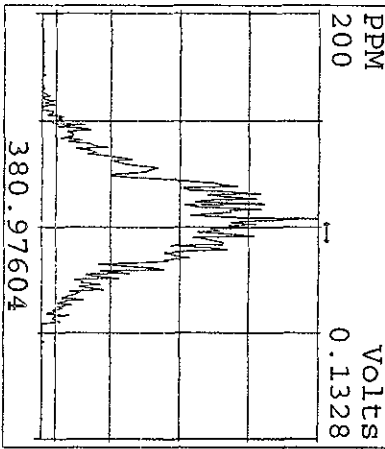
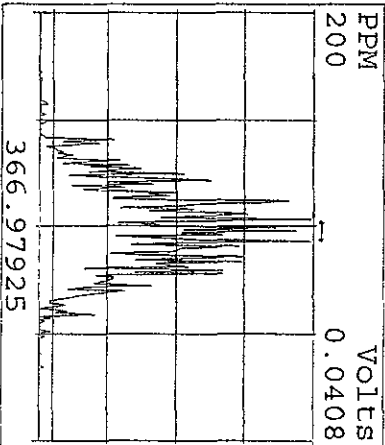
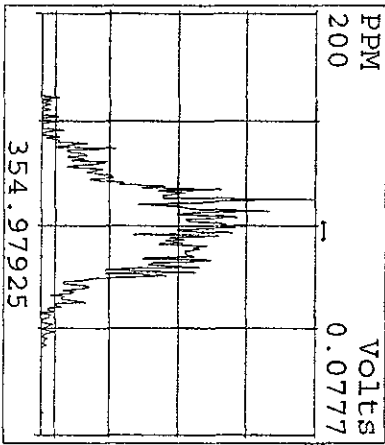
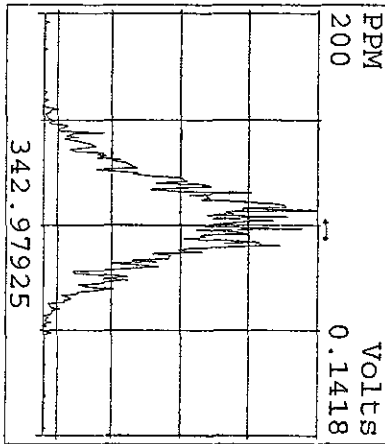
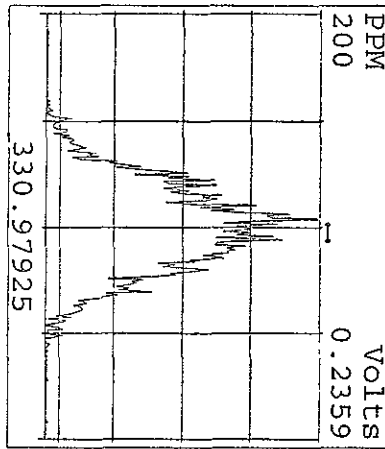
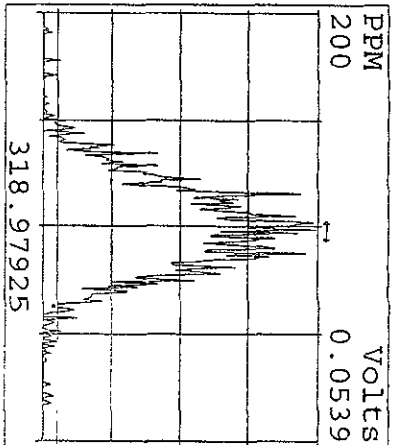
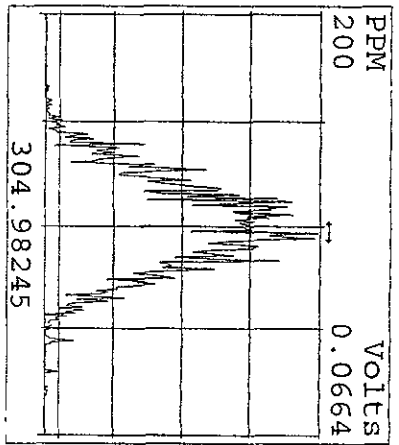
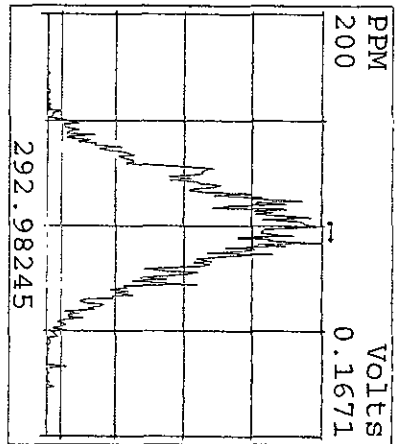
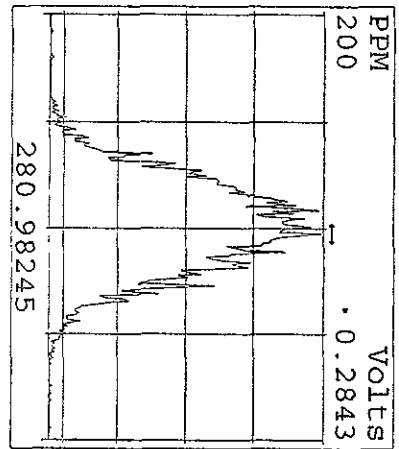


Peak Locate Examination: 22-APR-2009: 11:43 File: 22AP099D5  
Experiment: 209DB5 Function: 2 Reference: PFK

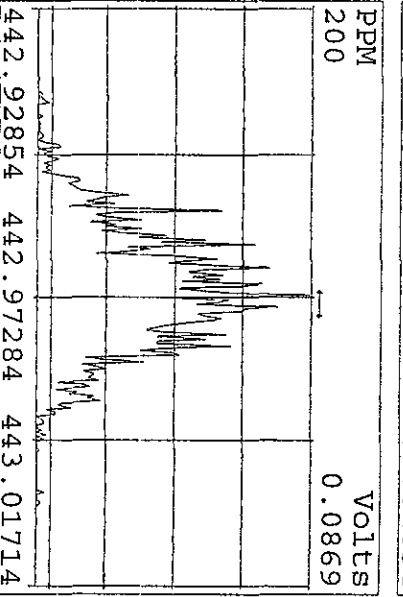
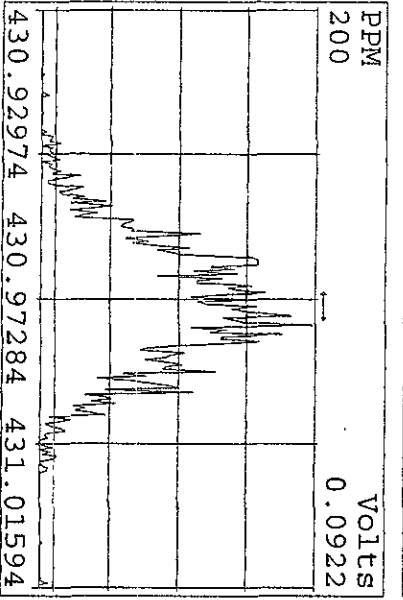
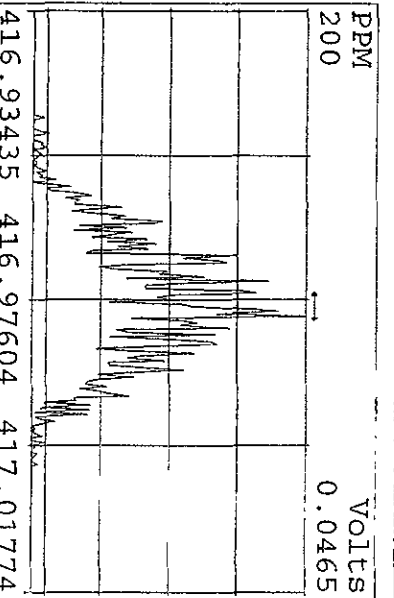
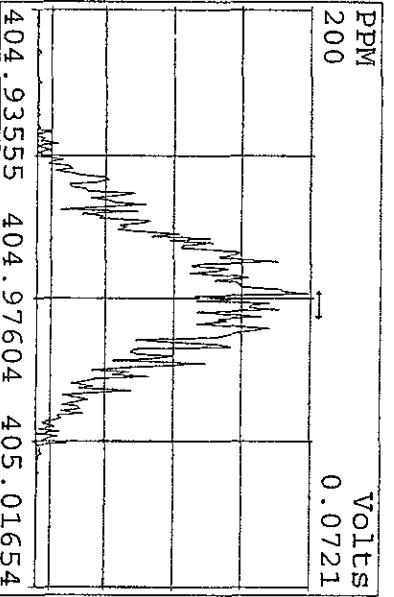
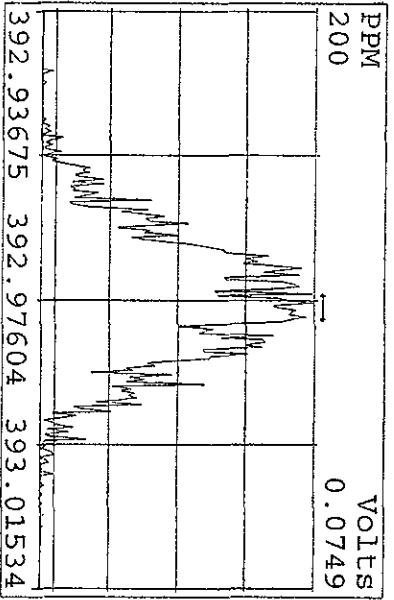
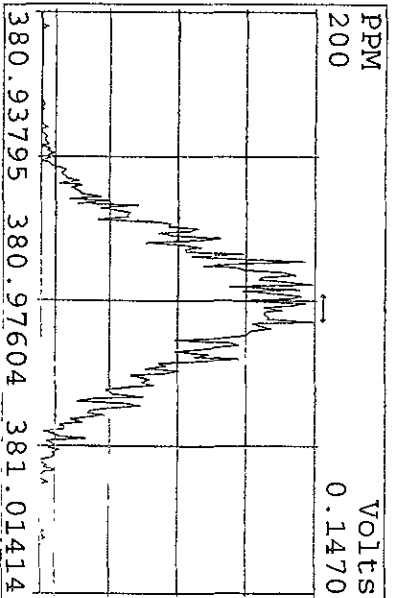
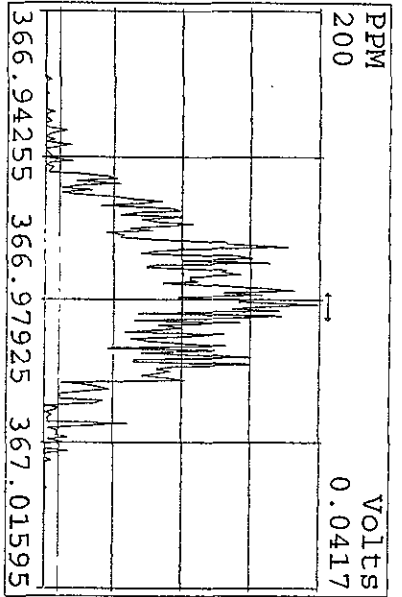
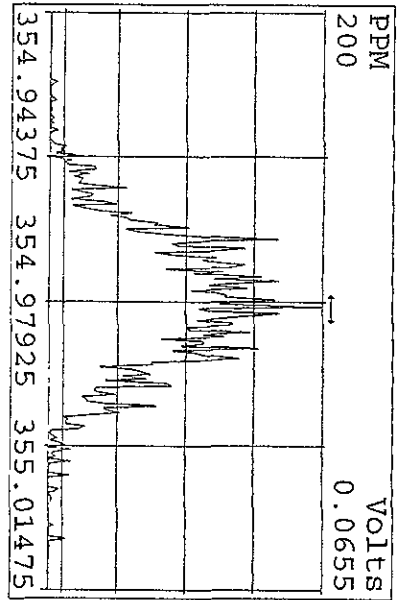




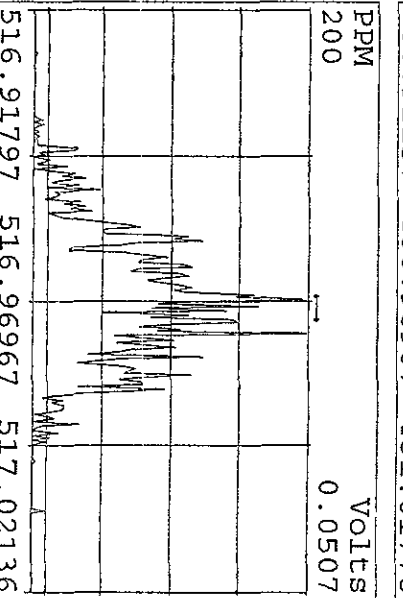
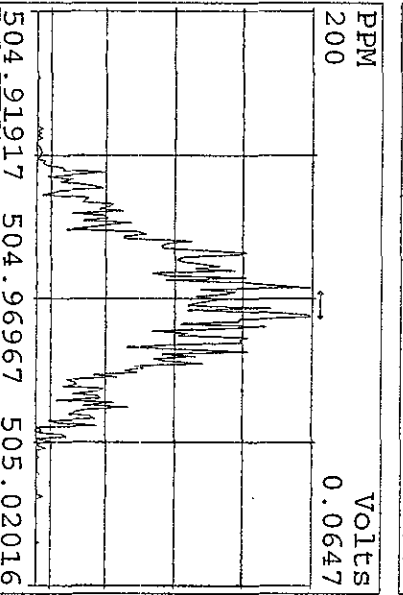
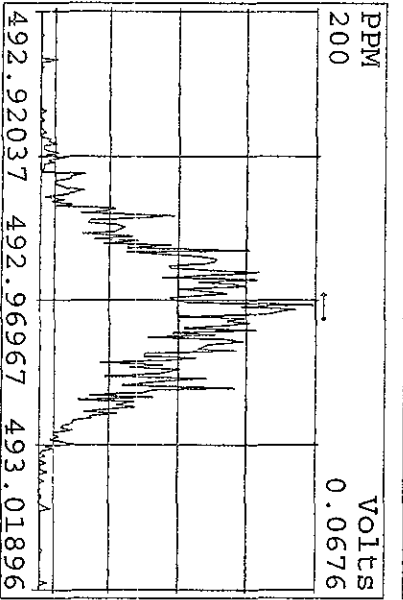
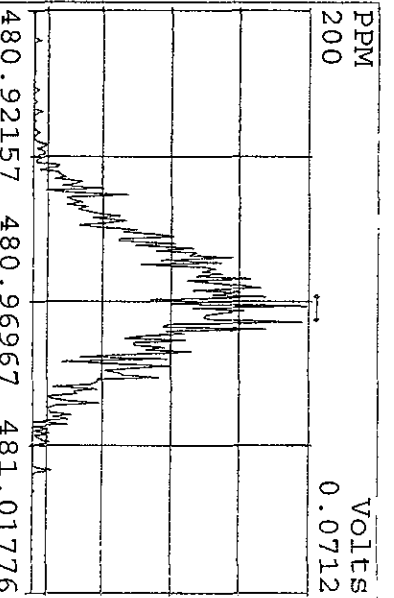
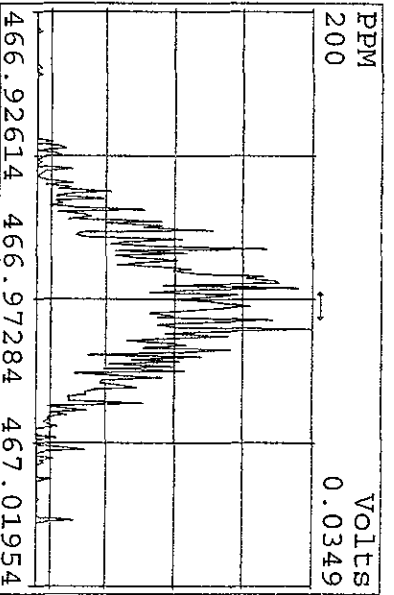
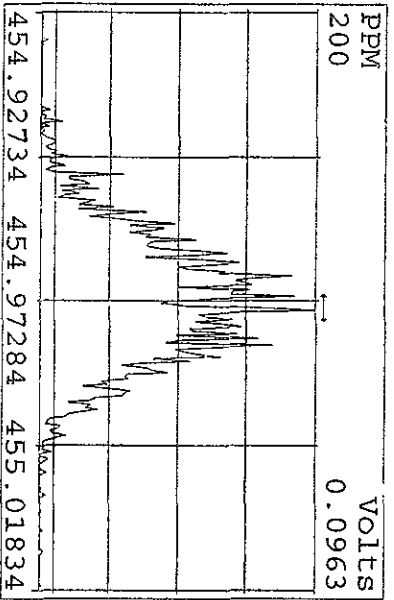
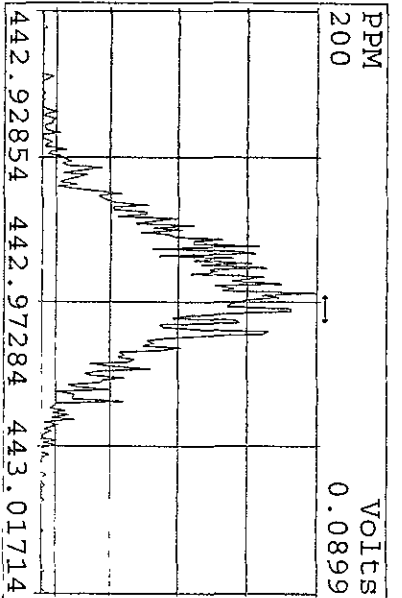
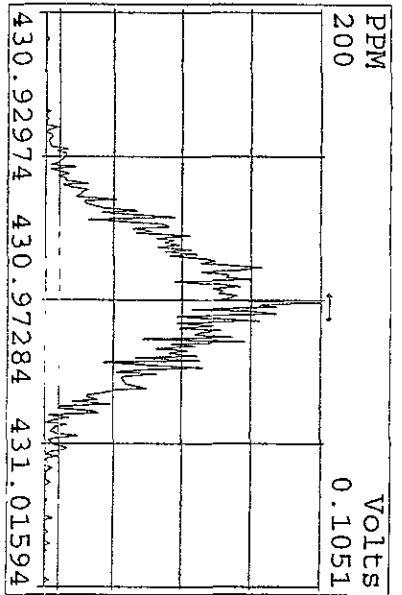
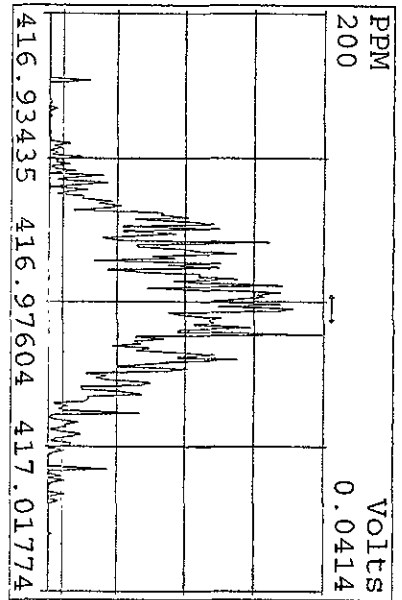
Peak Locate Examination: 22-APR-2009: 11:43 File: 22AP099D5  
Experiment: 209DB5 Function: 3 Reference: PFK



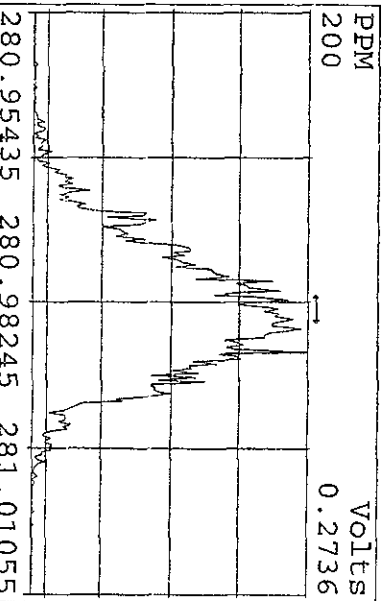
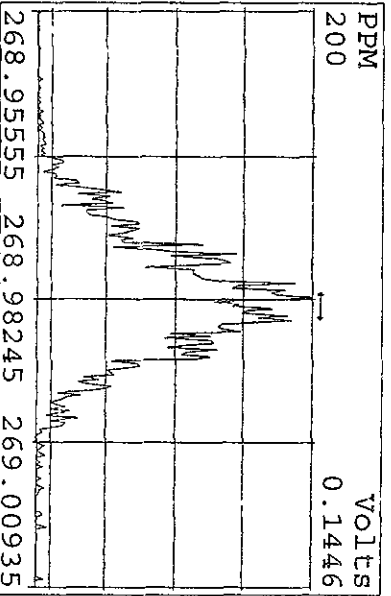
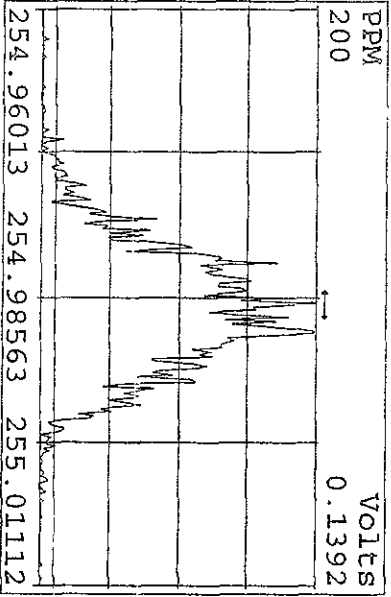
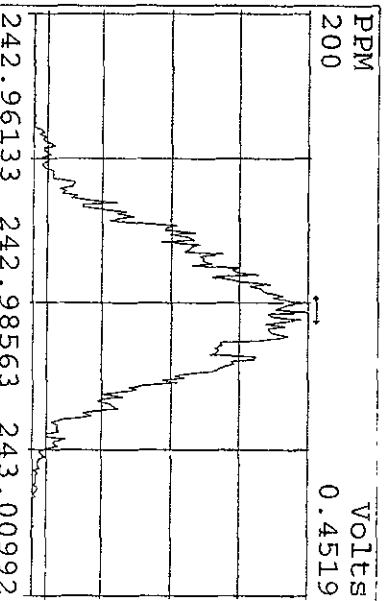
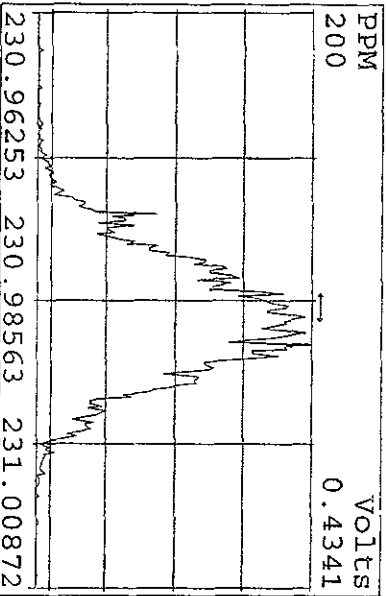
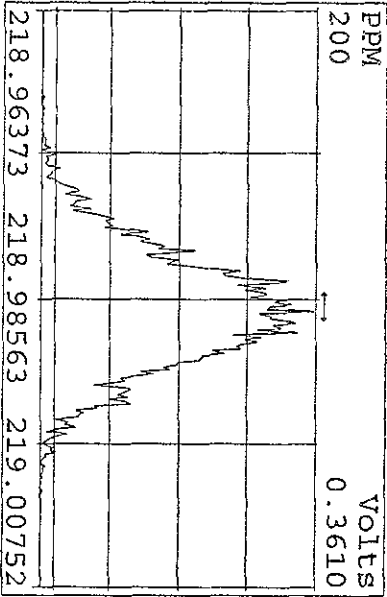
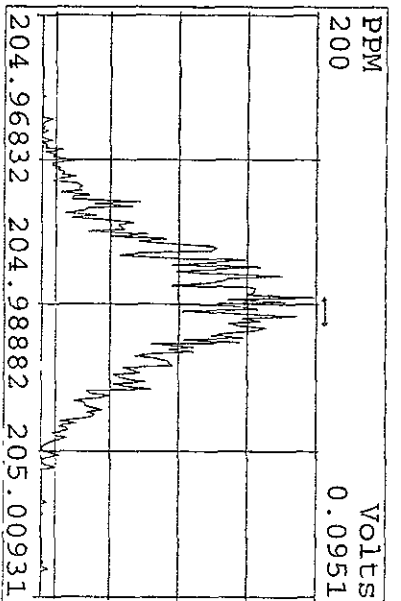
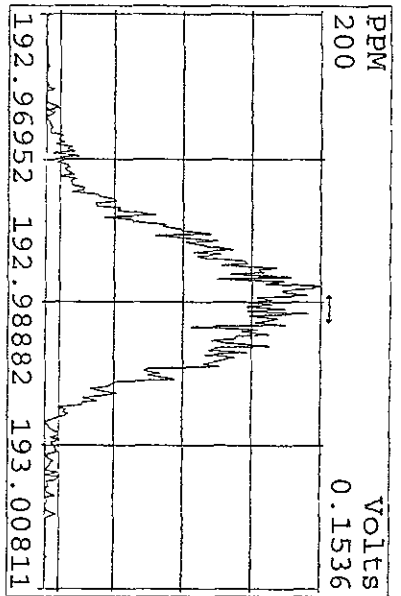
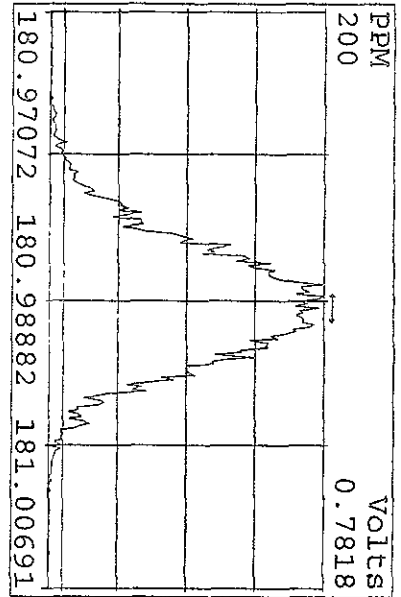
Peak Locate Examination: 22-APR-2009: 11:44 File: 22AP099D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



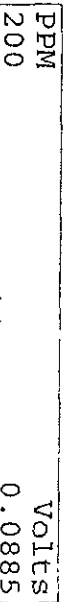
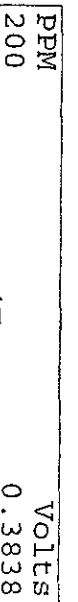
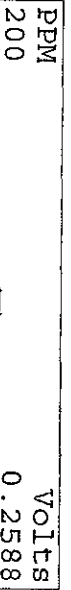
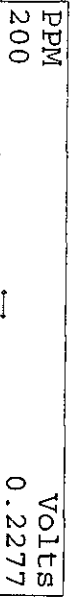
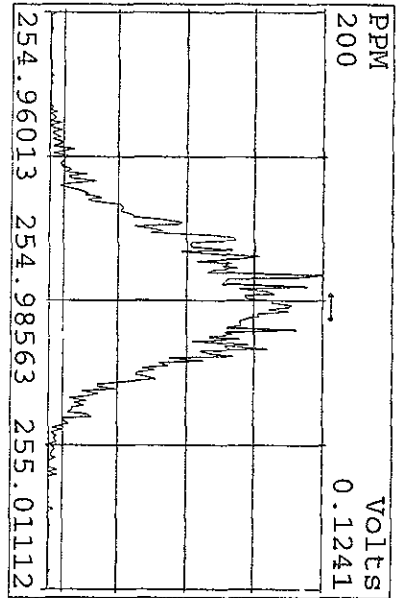
Peak Locate Examination: 22-APR-2009: 11:44 File: 22AP099D5  
 Experiment: 209DB5 Function: 5 Reference: PFK



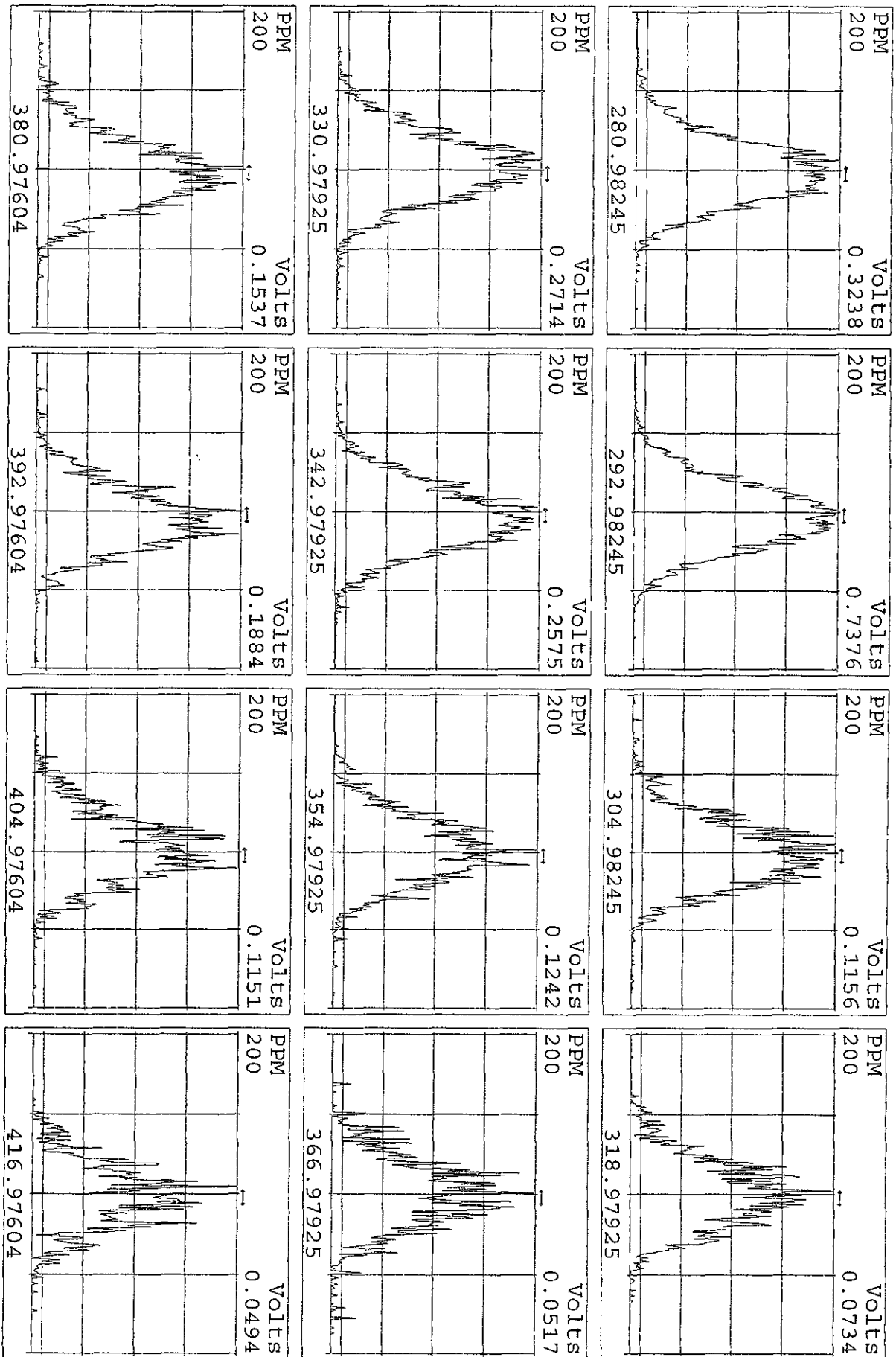
Peak Locate Examination: 23-APR-2009:13:37 File: 22AP099D5ENDRES  
 Experiment: 209DB5 Function: 1 Reference: PFK



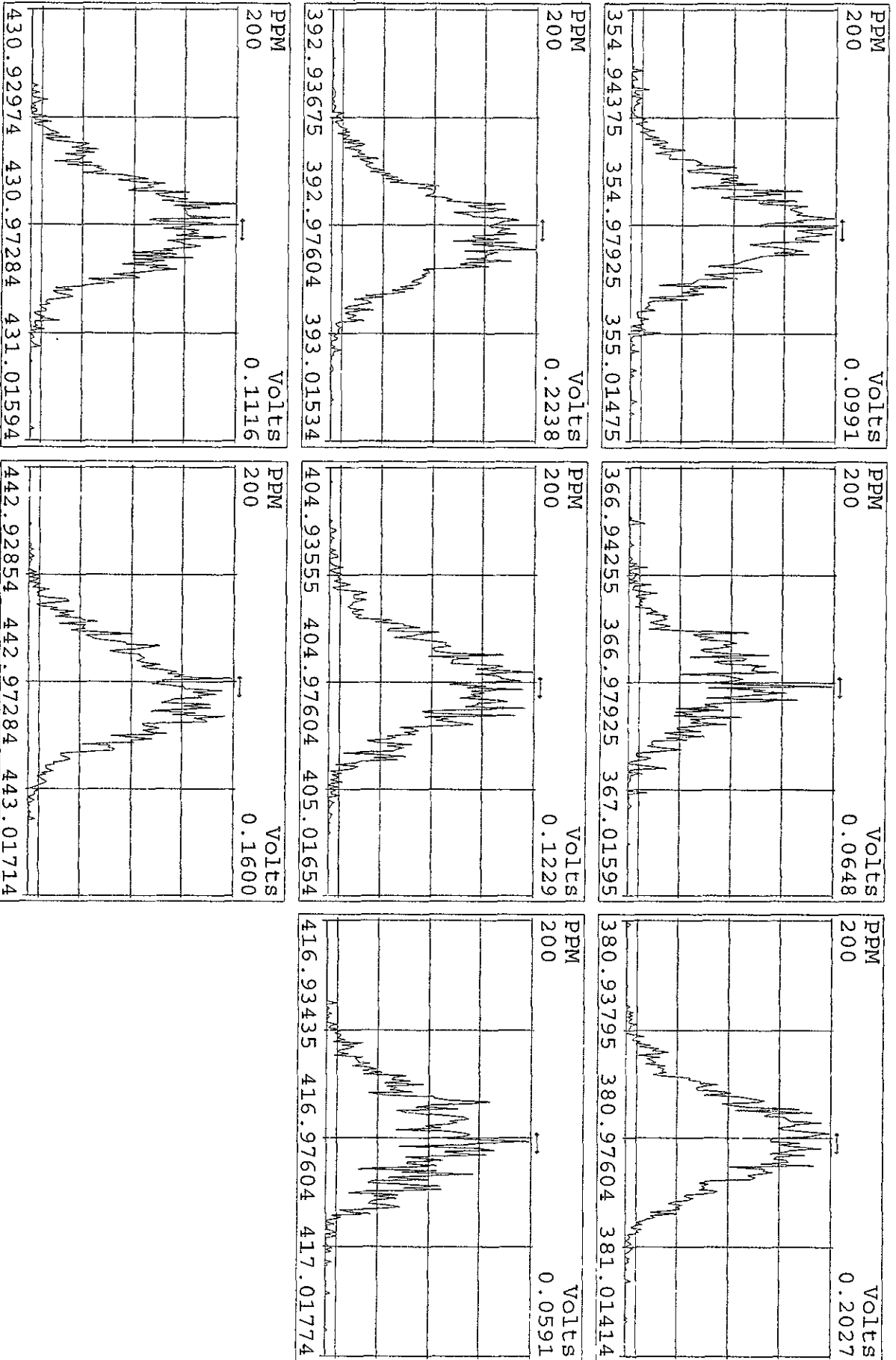
Peak Locate Examination: 23-APR-2009:13:37 File: 22AP099D5ENDPRES  
 Experiment: 209DB5 Function: 2 Reference: PFX



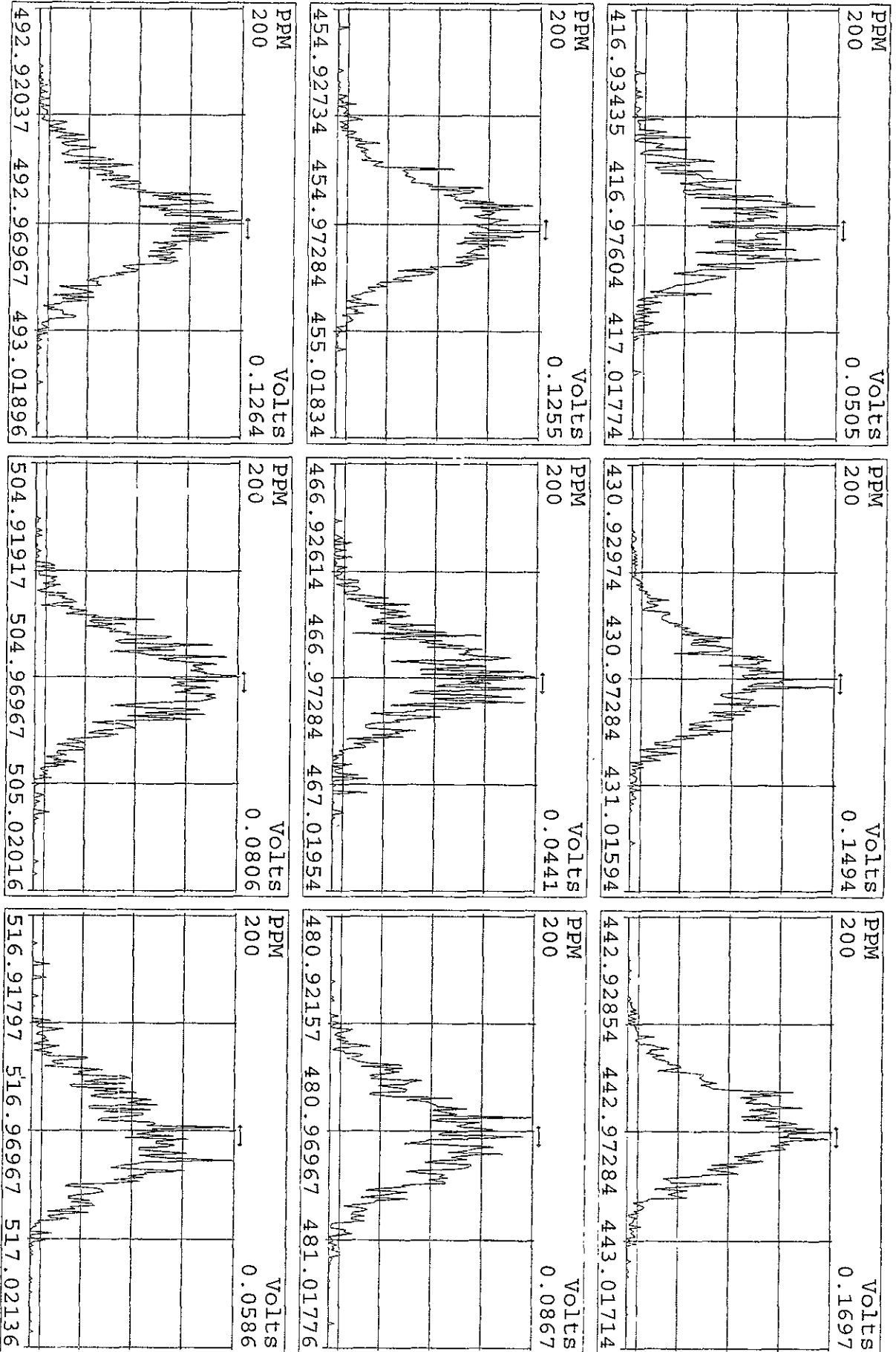
Peak Locate Examination: 23-APR-2009:13:38 File: 22AP099D5ENDRES  
Experiment: 209DB5 Function: 3 Reference: PFK



Peak Locate Examination: 23-APR-2009:13:38 File: 22AP099D5ENDRES  
Experiment: 209DB5 Function: 4 Reference: PFK



Peak Locate Examination: 23-APR-2009:13:38 File: 22AP099D5ENDRES  
 Experiment: 209DB5 Function: 5 Reference: PFK





Run: 22AP09D5 Analyte: 1668MSLDEC2XIS Cal: 1668MSLDEC0115099D5

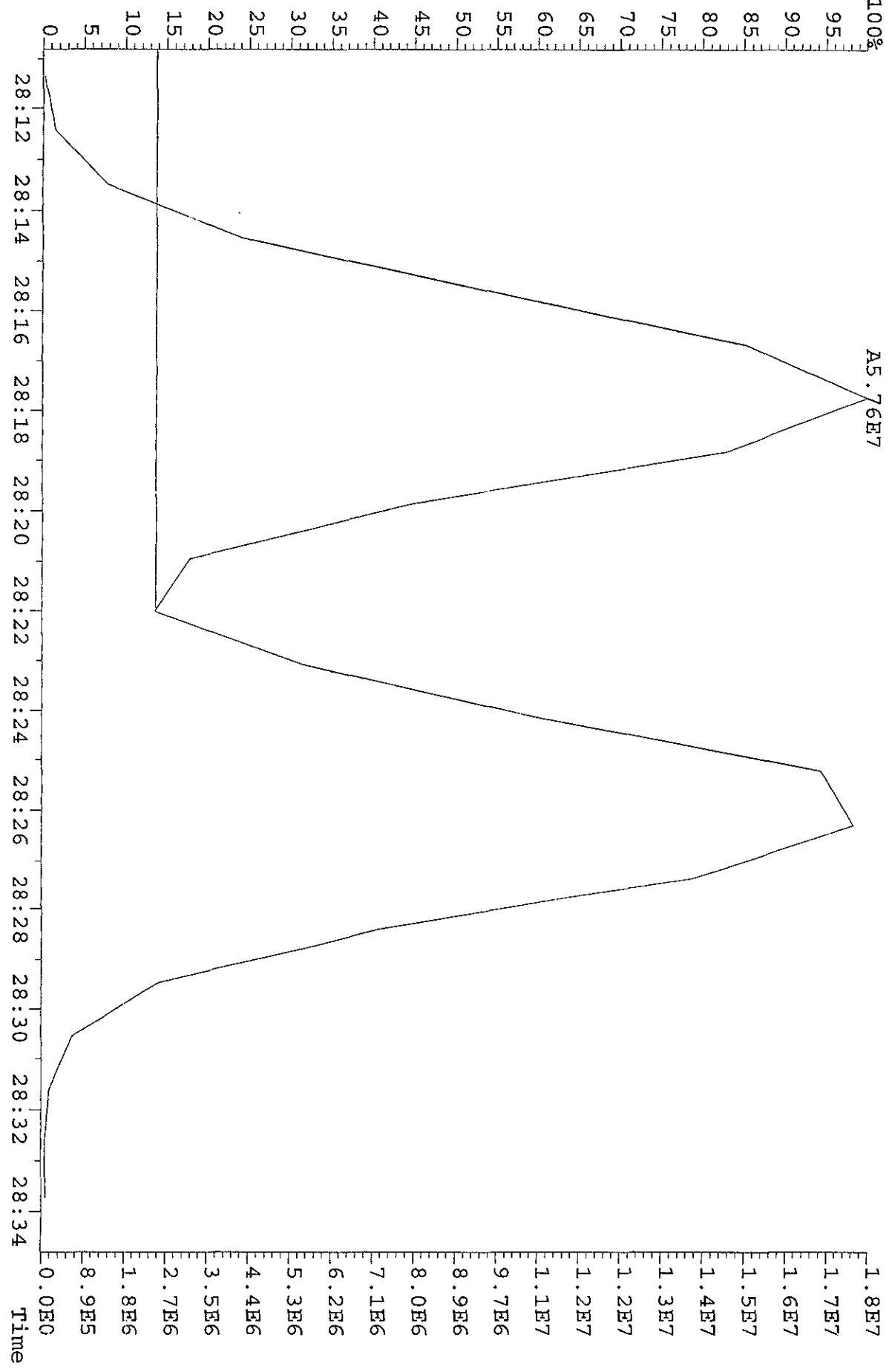
Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
13C-PeCB-101	-	-	- %	-	-	-	-	-
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

ST0115 : CS1 09DXN014 ST0115A : CS2 09DXN015 ST0115B : CS3 09DXN016  
 ST0115C : CS4 09DXN017 ST0115D : CS5 09DXN018

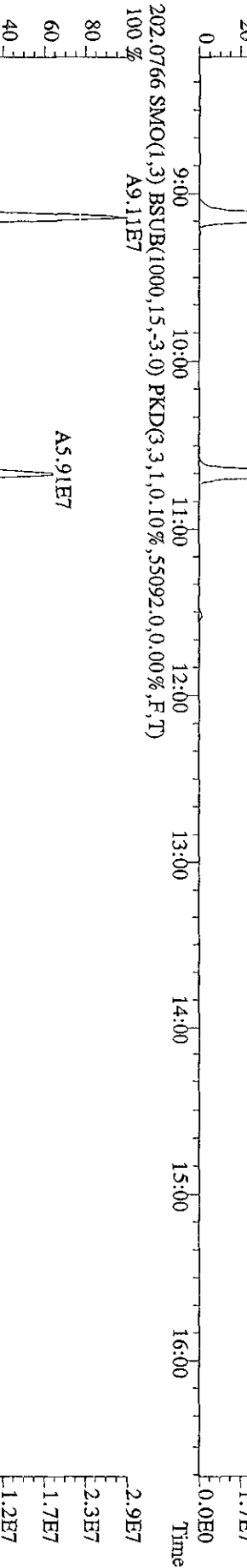
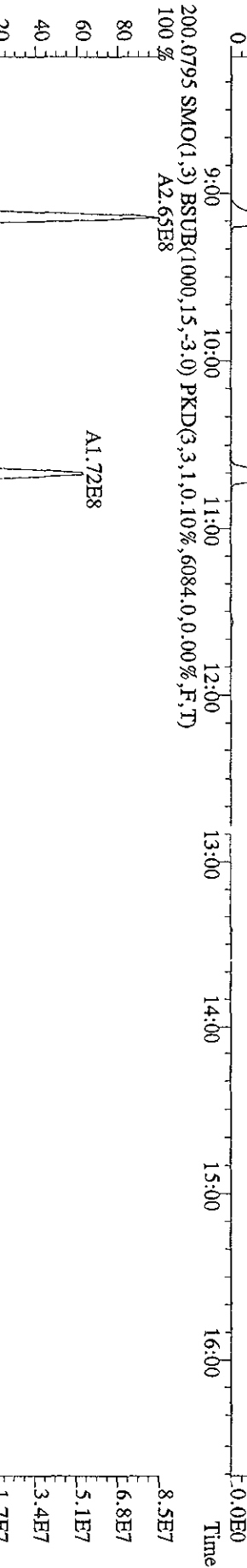
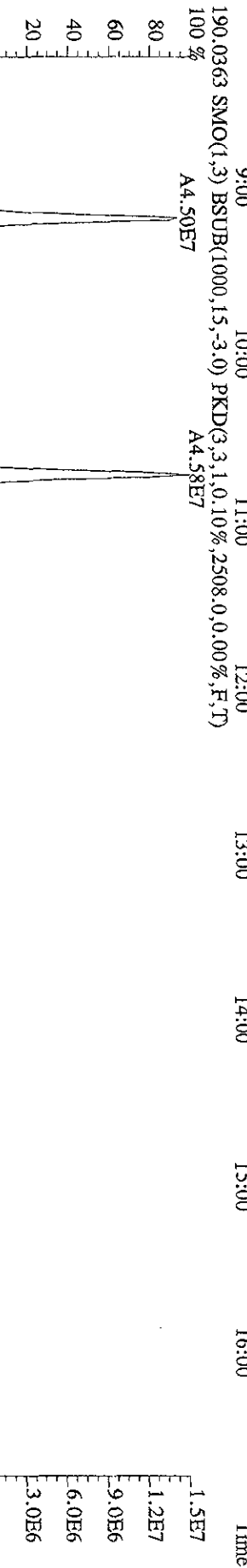
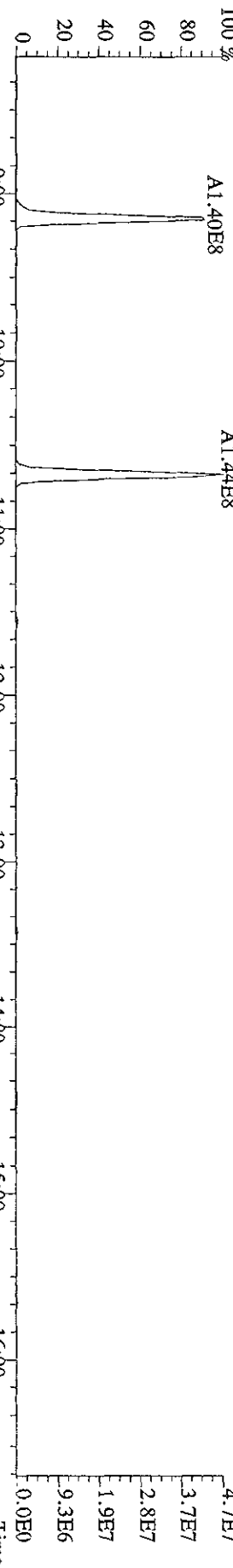
15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

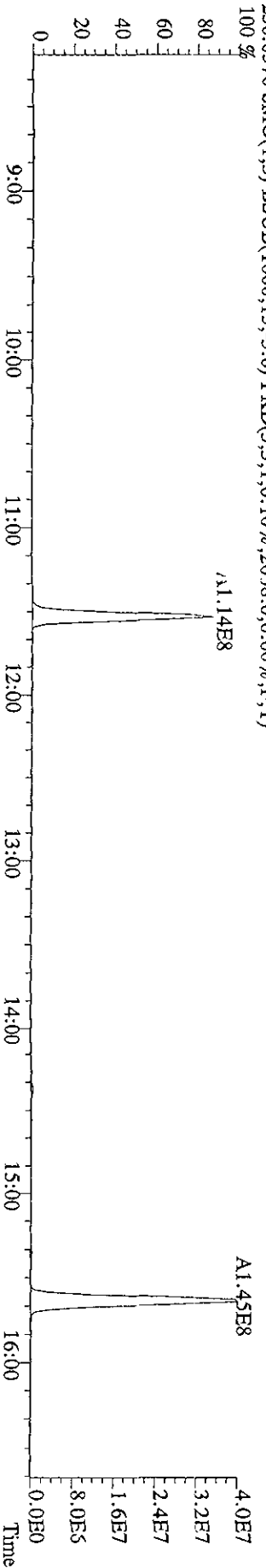
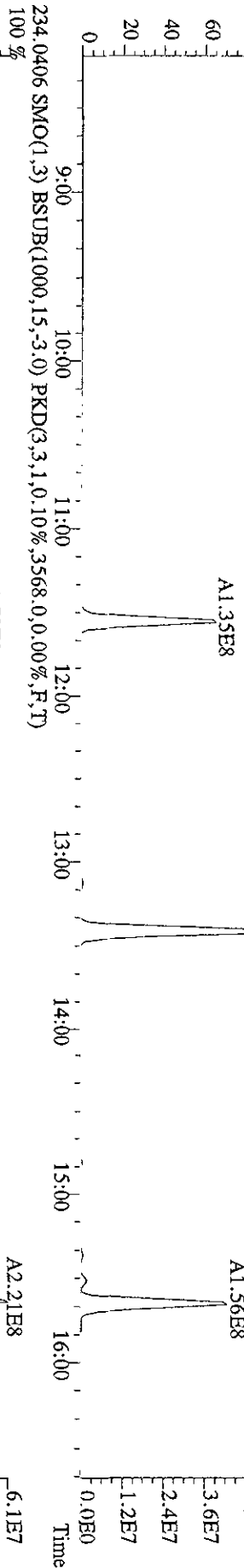
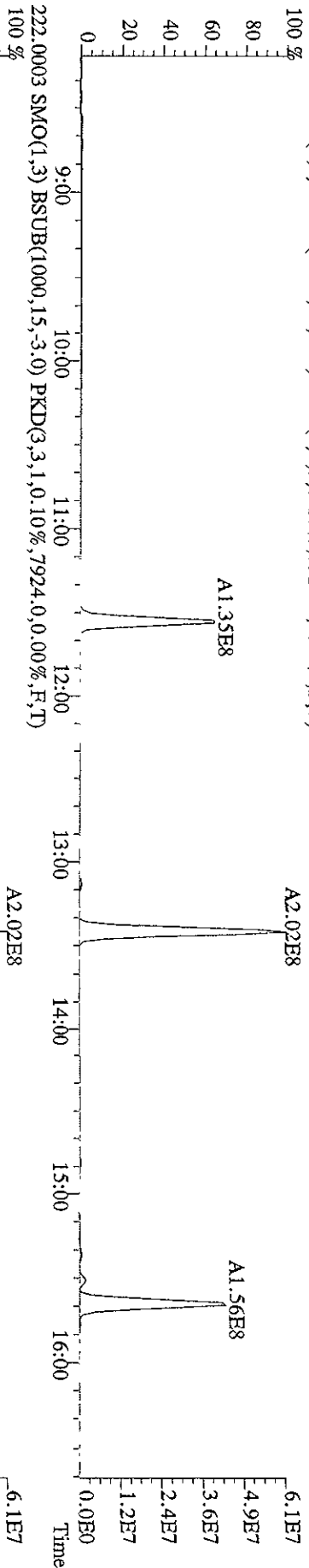
File: 22AP099D5 #1-599 Acq: 22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text: ST0422A : CS3 09DXN016 Exp: 209DB5  
 323.8834 F: 3



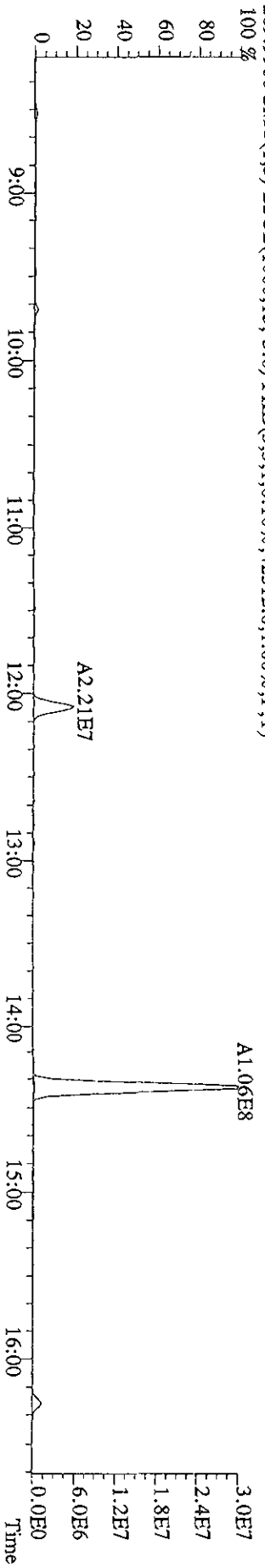
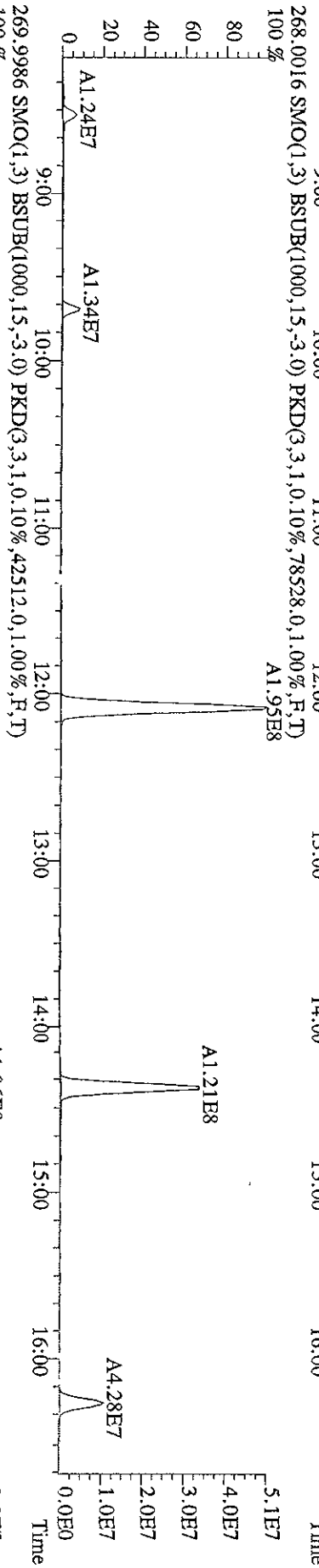
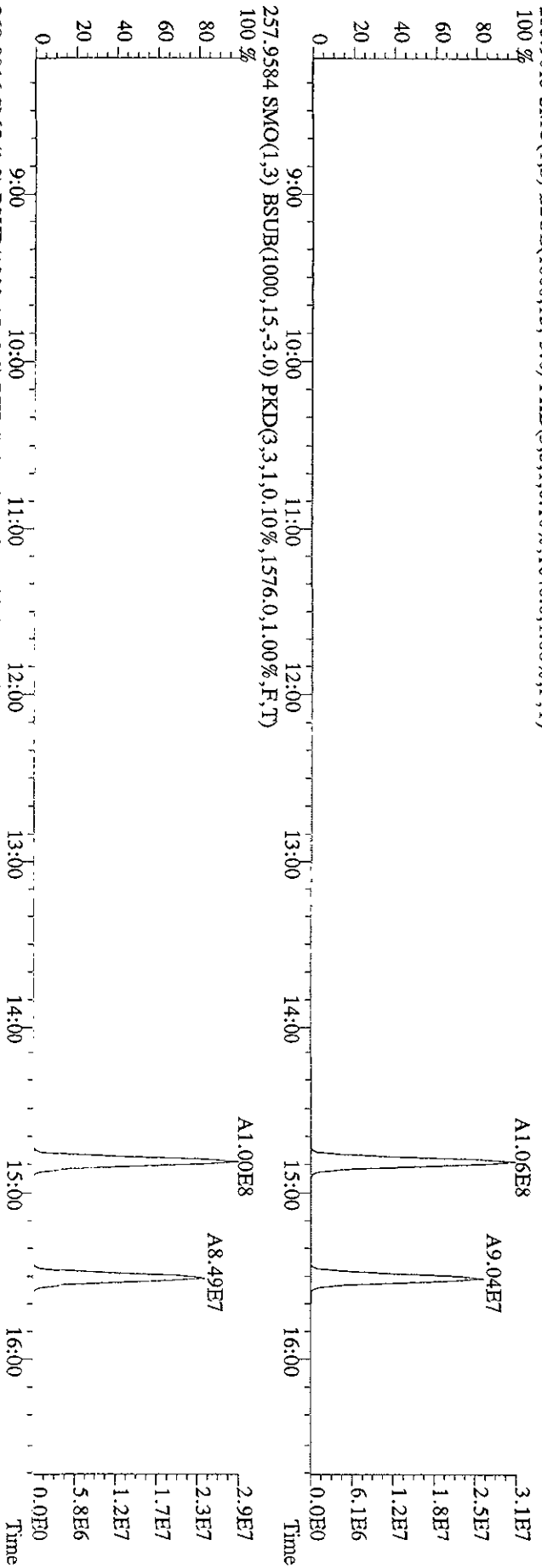
File: 22AP099D5 #1-577 Acq: 22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample #1 Text: ST0422A :CS3 09DXN016 Exp: 209DB5  
 188.0393 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4408,0,0,0.00%,F,T)  
 100%



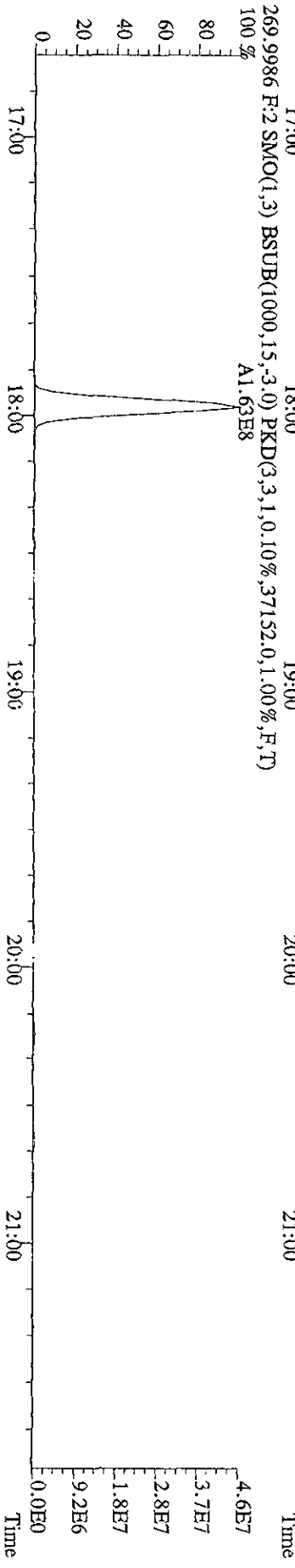
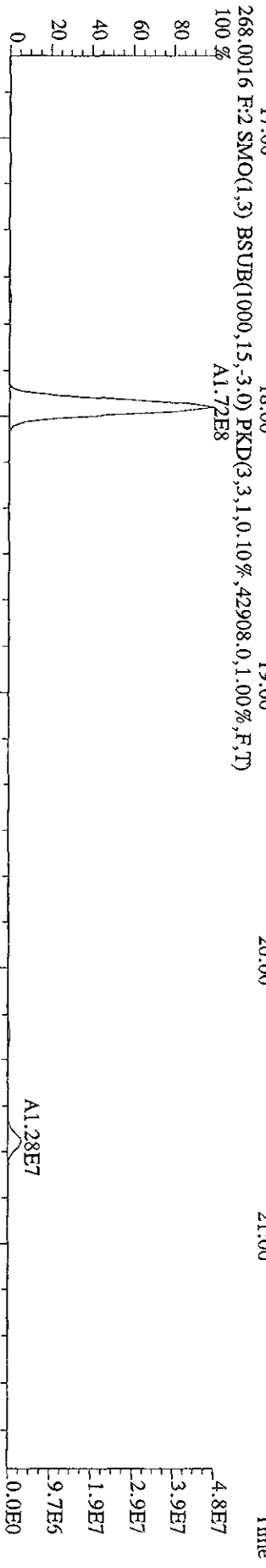
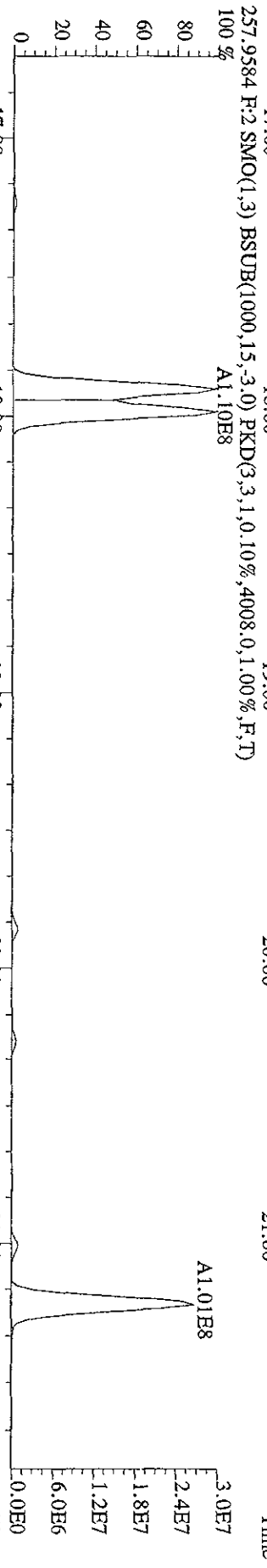
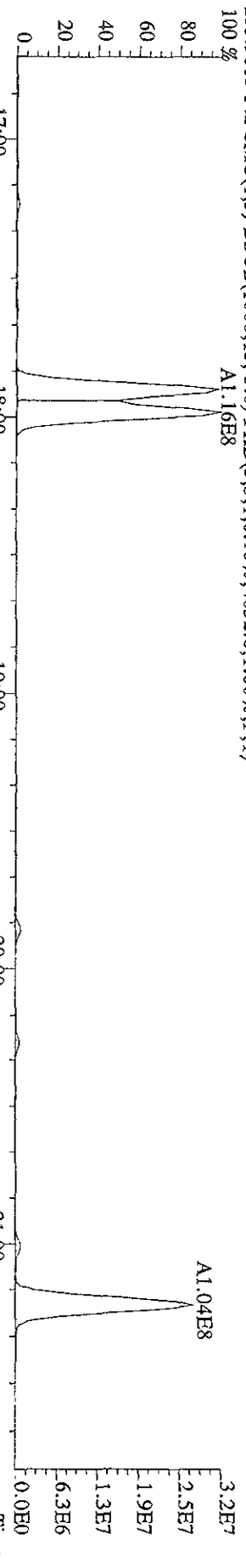
File: 22AP099D5 #1-577 Acq: 22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text: ST0422A :CS3 09DXN016 Exp: 209DB5  
 222.0003 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7924,0,0.00%,F,T) 100%  
 234.0406 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3568,0,0.00%,F,T) 100%



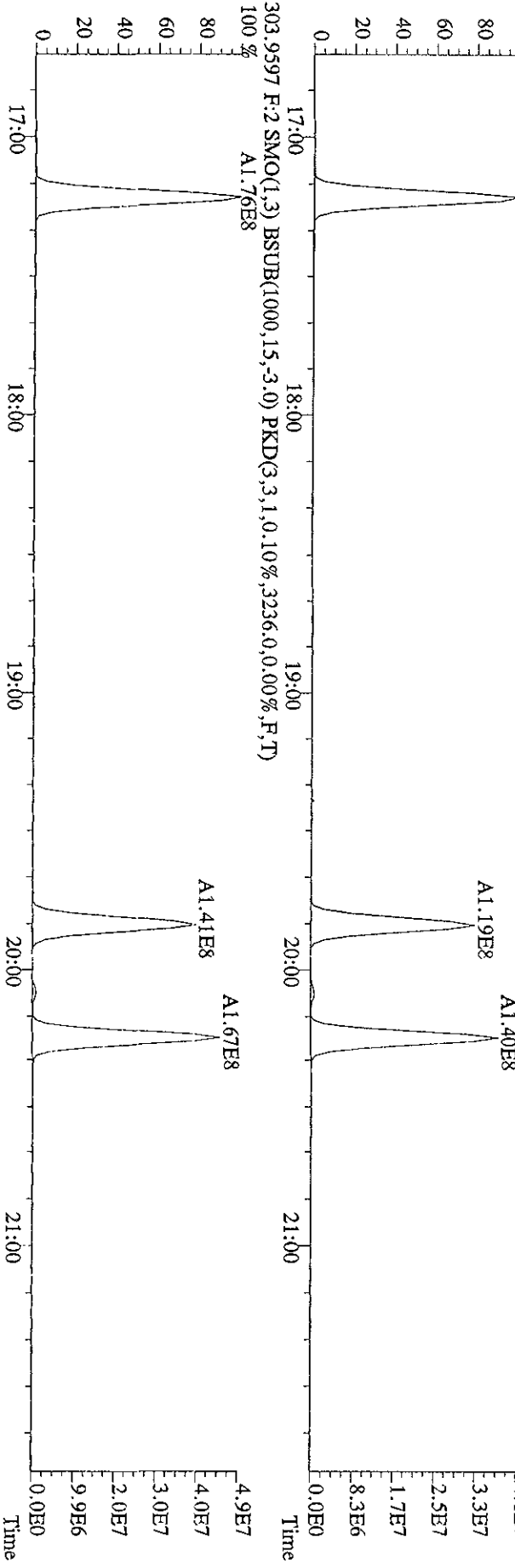
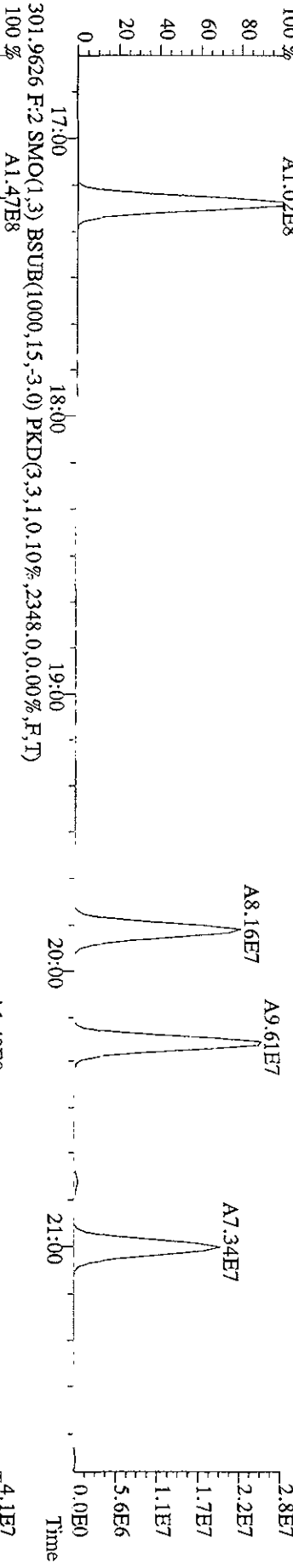
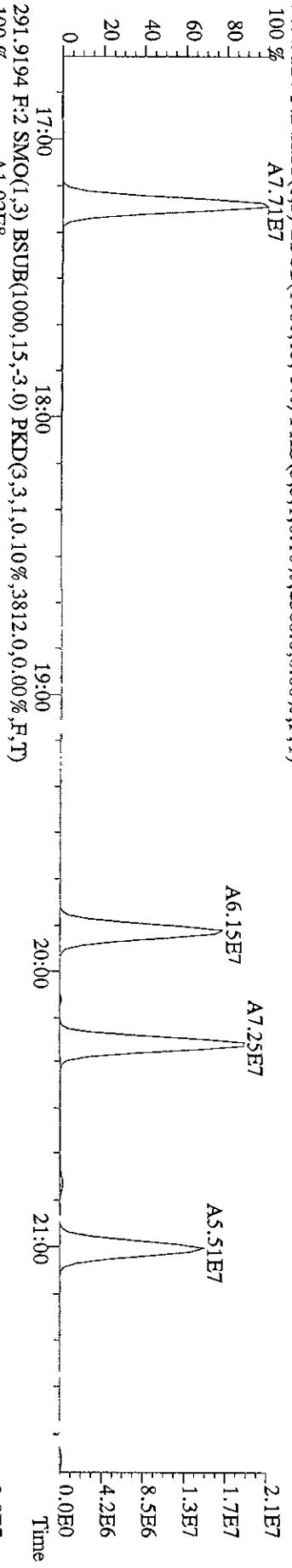
File:22AP099D5 #1-577 Acq:22-APR-2009 11:44:43 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0422A :CS3 09DXN016 Exp:209.DB5  
 255.9613 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1648,0,1,00%,F,T)



File:22AP099D5 #1-372 Acq:22-APR-2009 11:44:43 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0422A :CS3 09DXN016 Exp:209DB5  
 255.9613 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4632.0,1.00%,F,T)

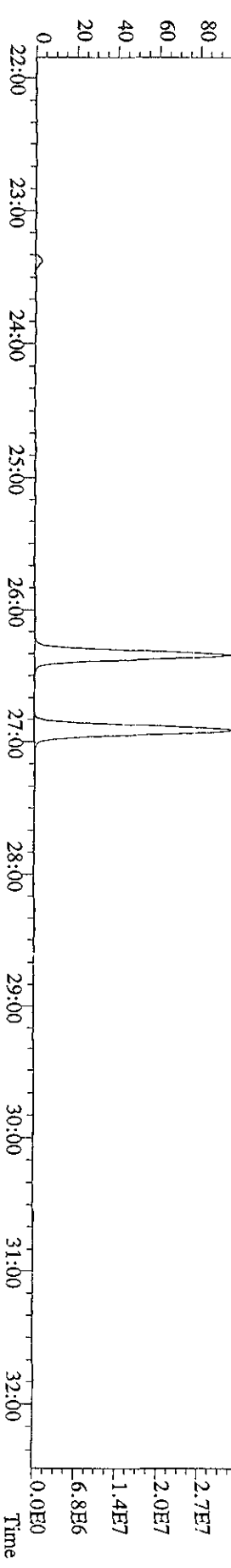
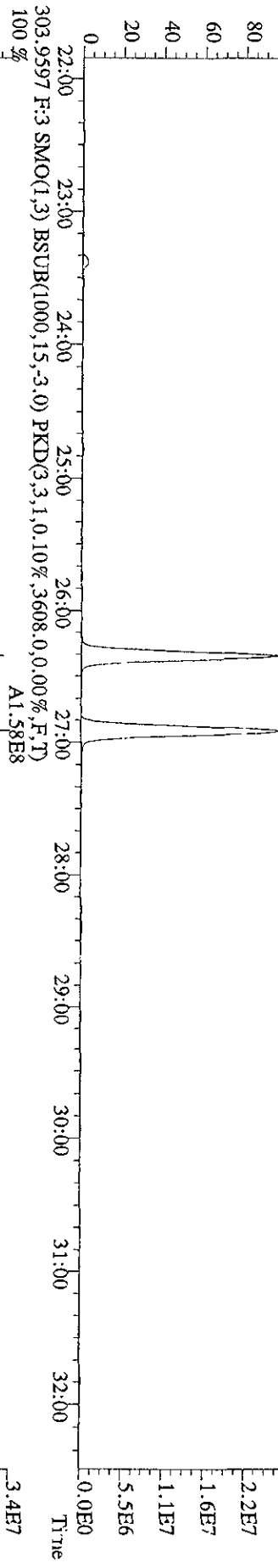
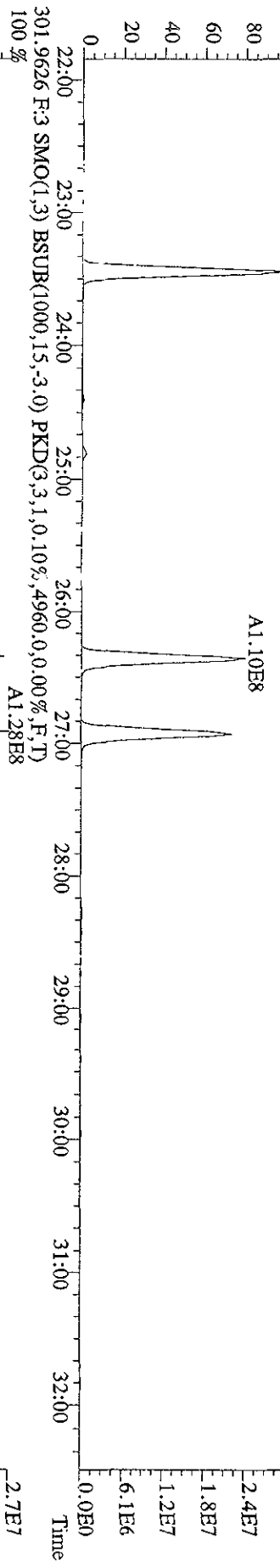
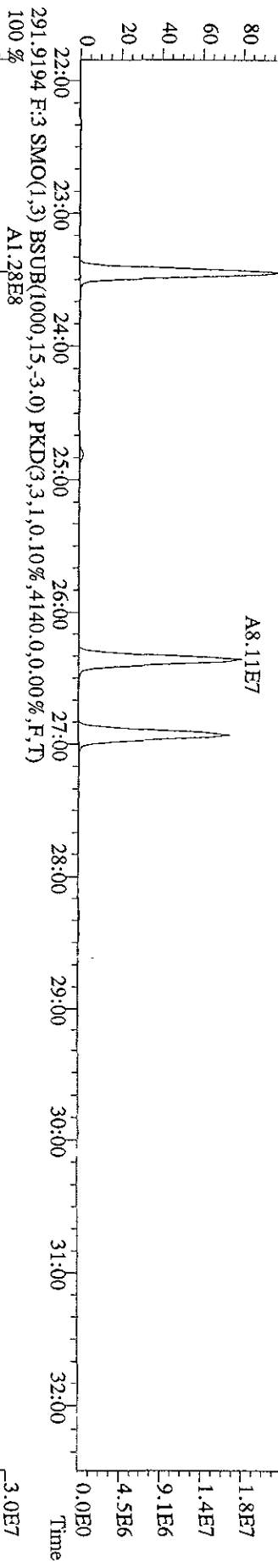


File:22AP099D5 #1-372 Acq:22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0422A :CS3 09DXN016 Exp:209DB5  
 289.9224 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2360,0,0,00%,F,T)  
 100 % A7.71E7

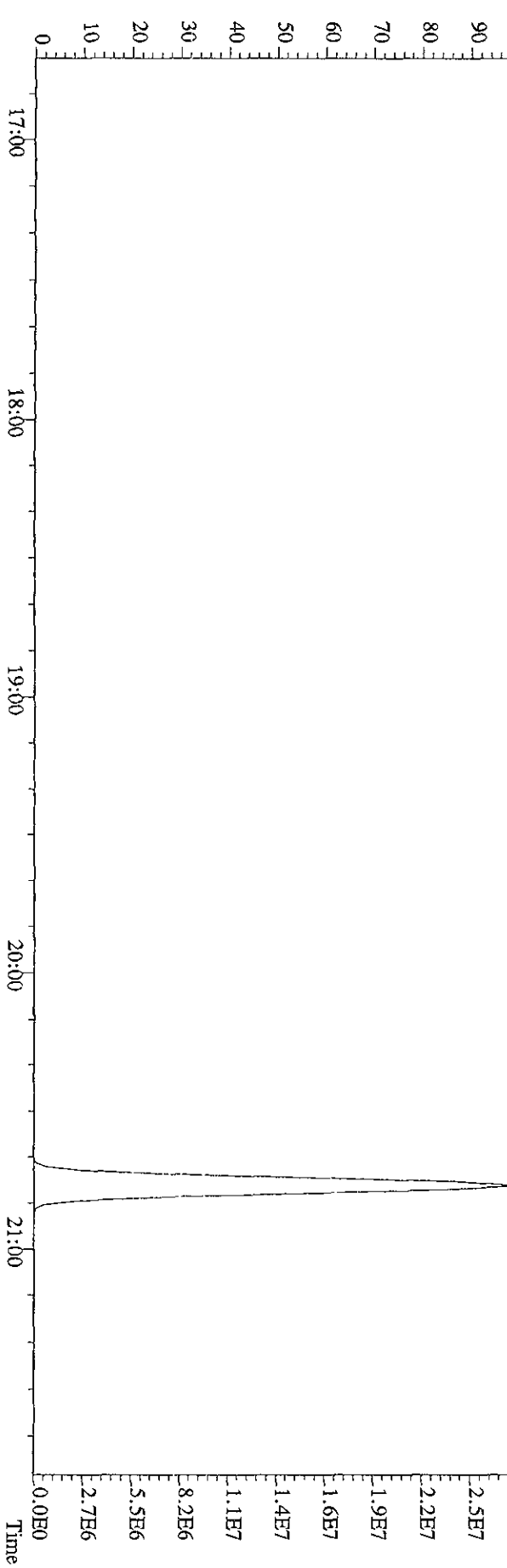
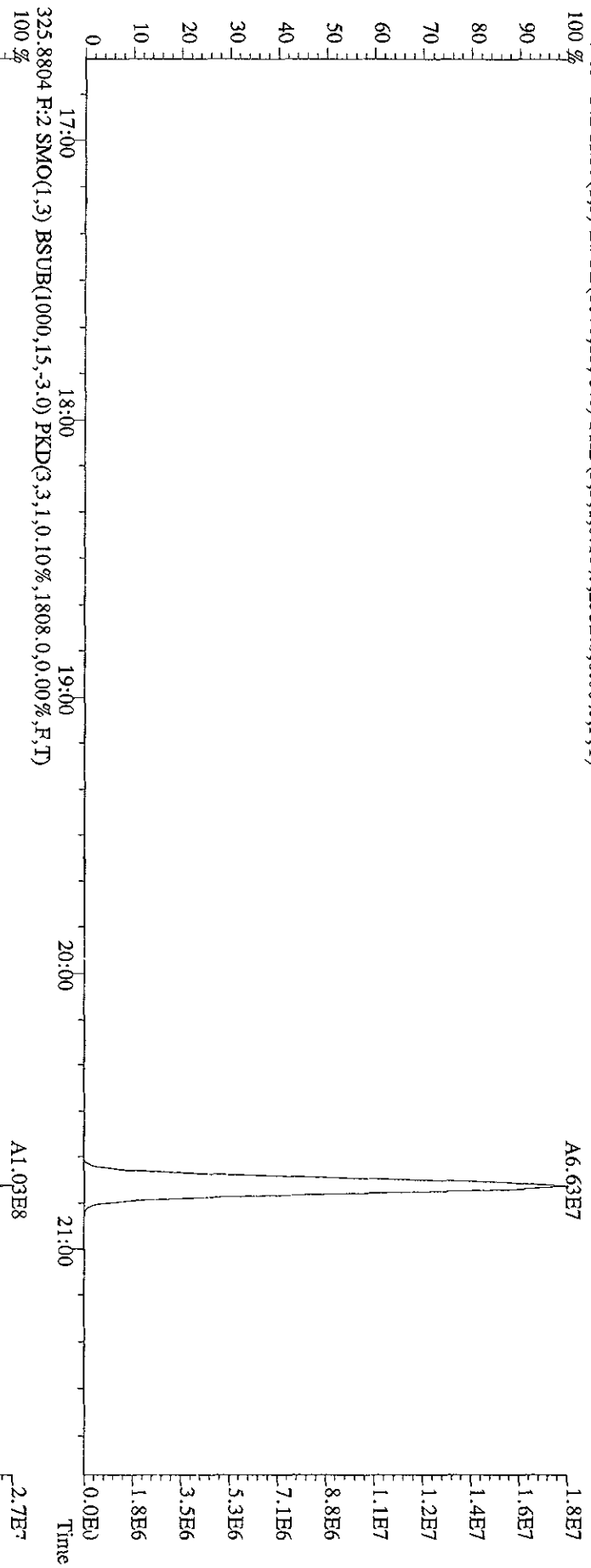




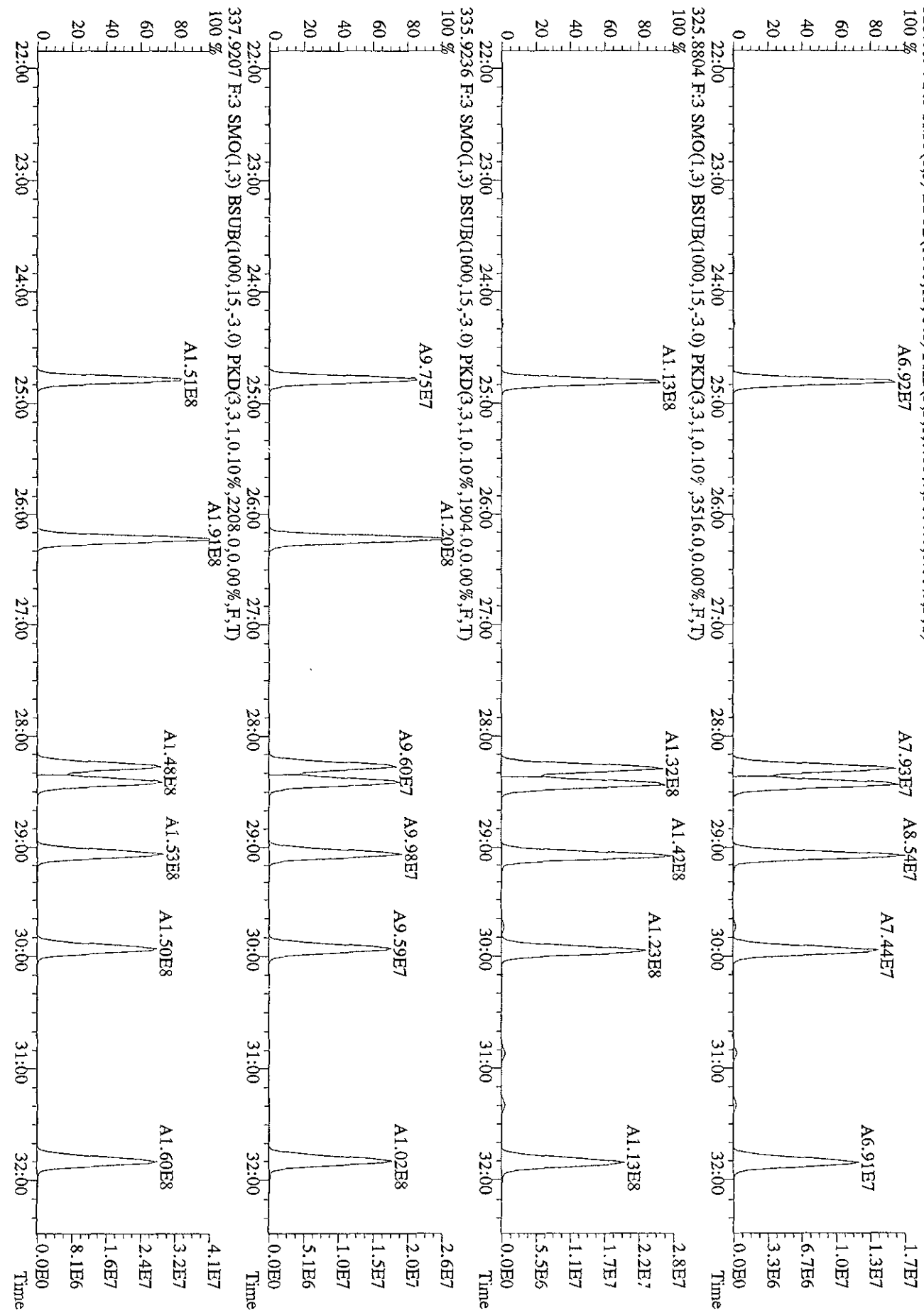
File:22AP099D5 #1-599 Acq:22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0422A :CS3 09DXN016 Exp:209DB5  
 289.9224 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5036,0,0.00%,F,T)  
 100% A9.49E7



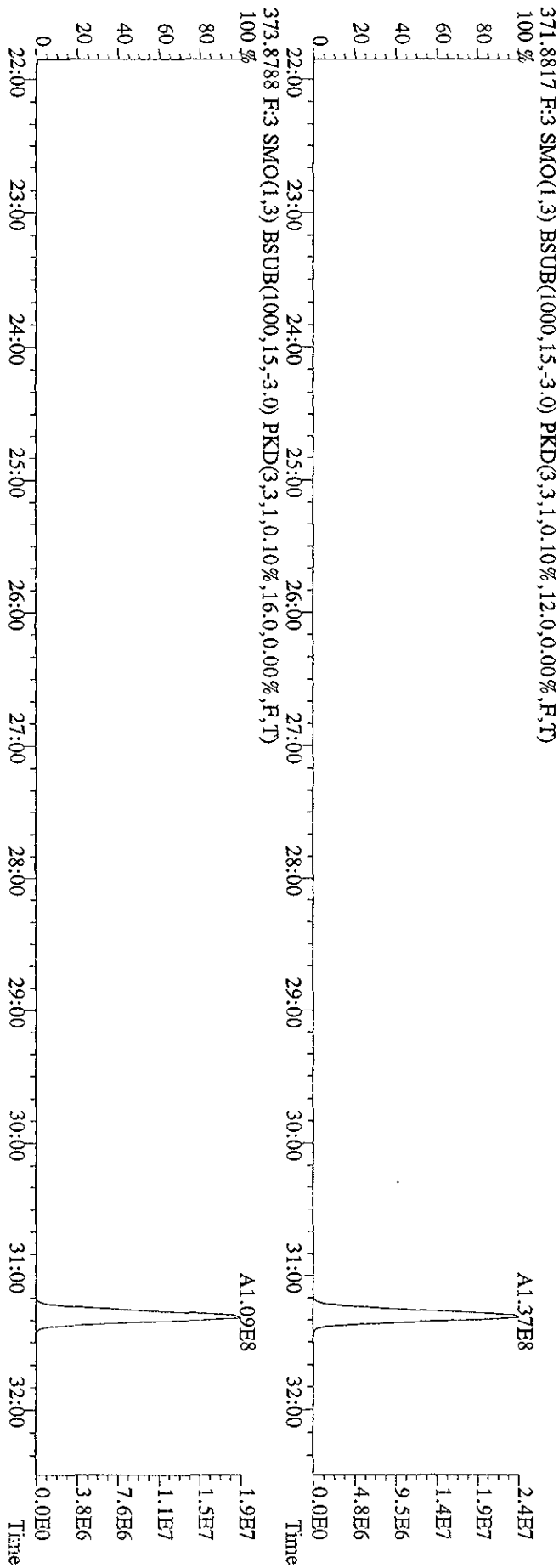
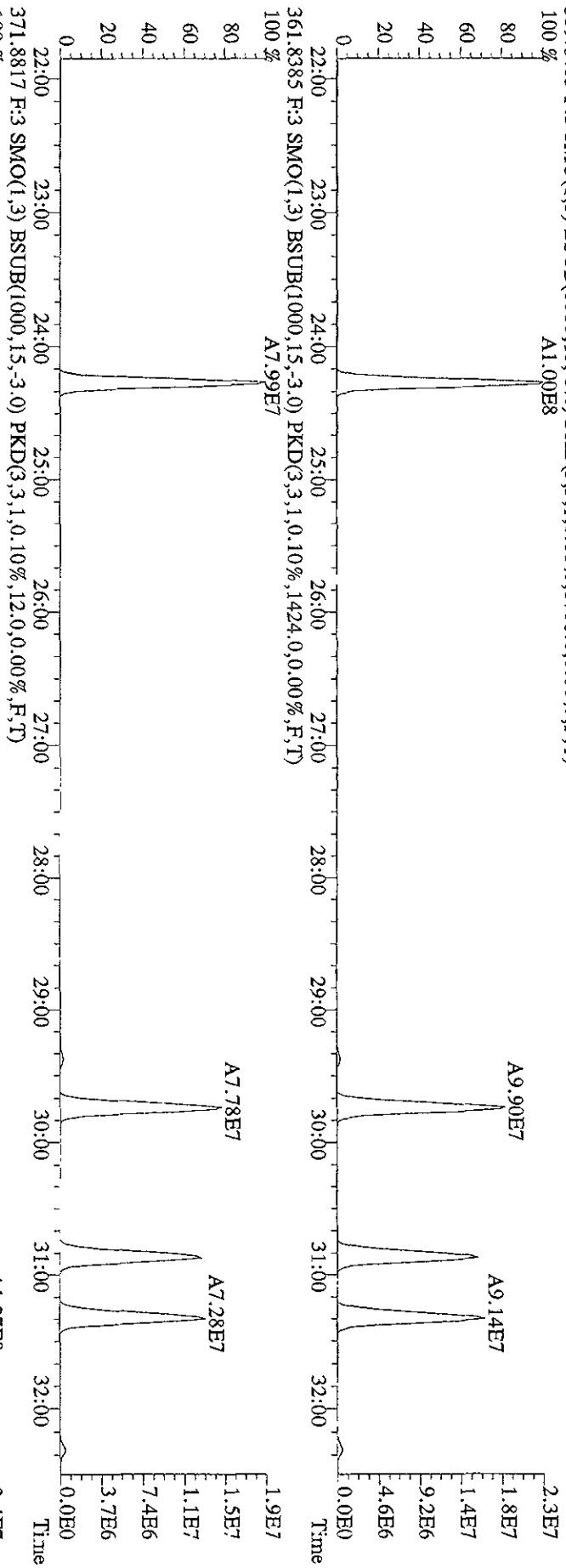
File:22AP099D5 #1-372 Acq:22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0422A :CS3 09DXN016 Exp:209DB5  
 323.8834 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2332.0,0.00%,F,T)



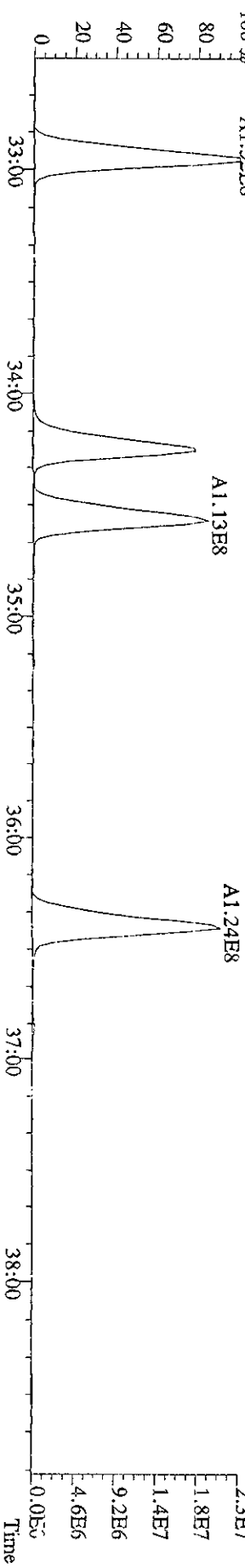
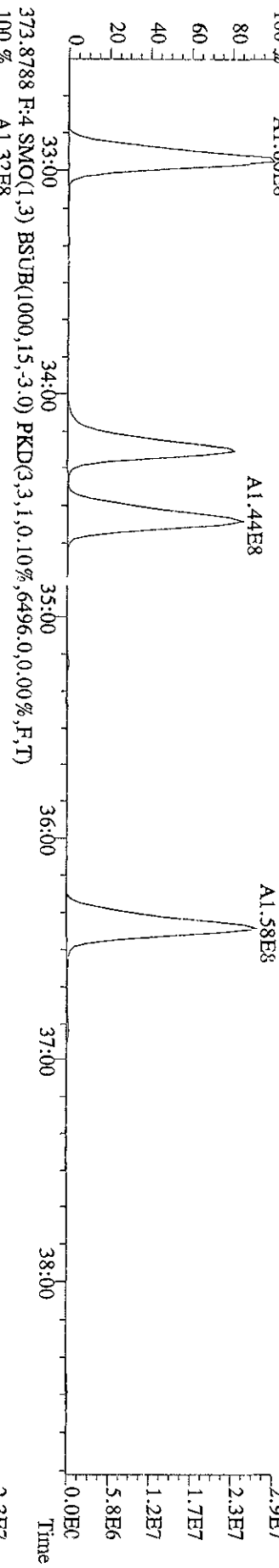
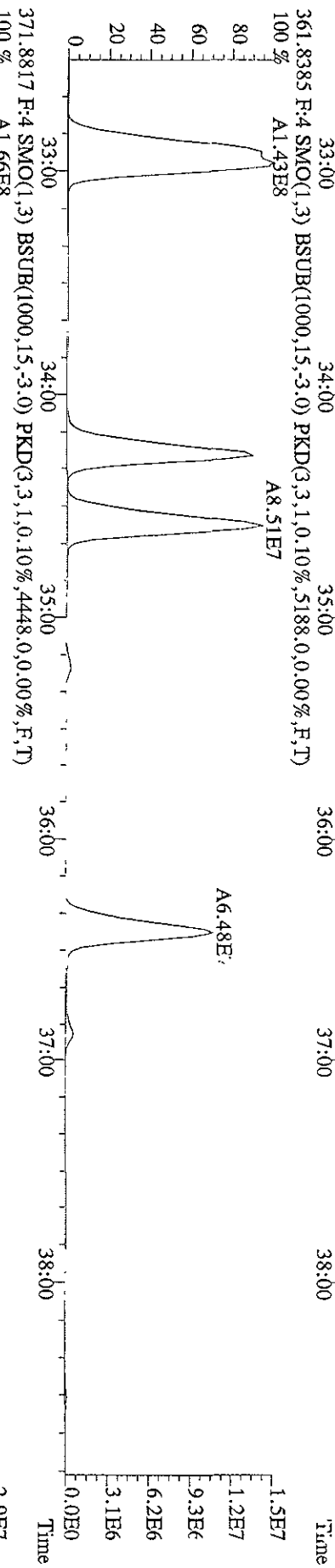
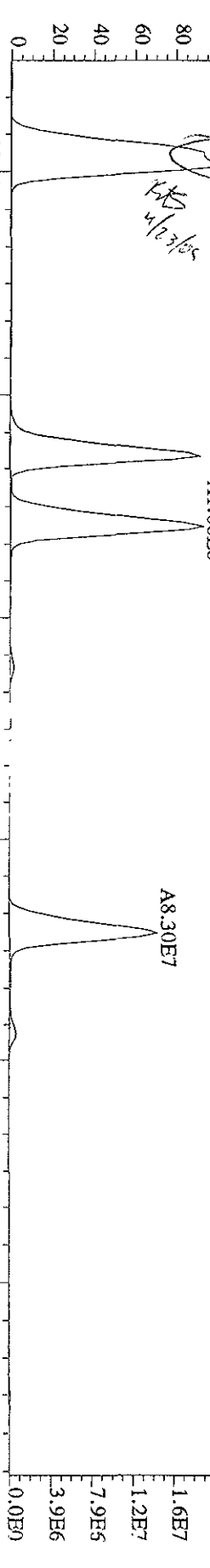
File:22AP099D5 #1-599 Acq:22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#1 Text:ST0422A :CS3 09DXN016 Exp:209DB5



File:22AP099D5 #1-599 Acq:22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0422A :CS3 09DXN016 Exp:209DB5  
 359.8415 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1780,0,0,00%,F,T)  
 100% A1.09E8

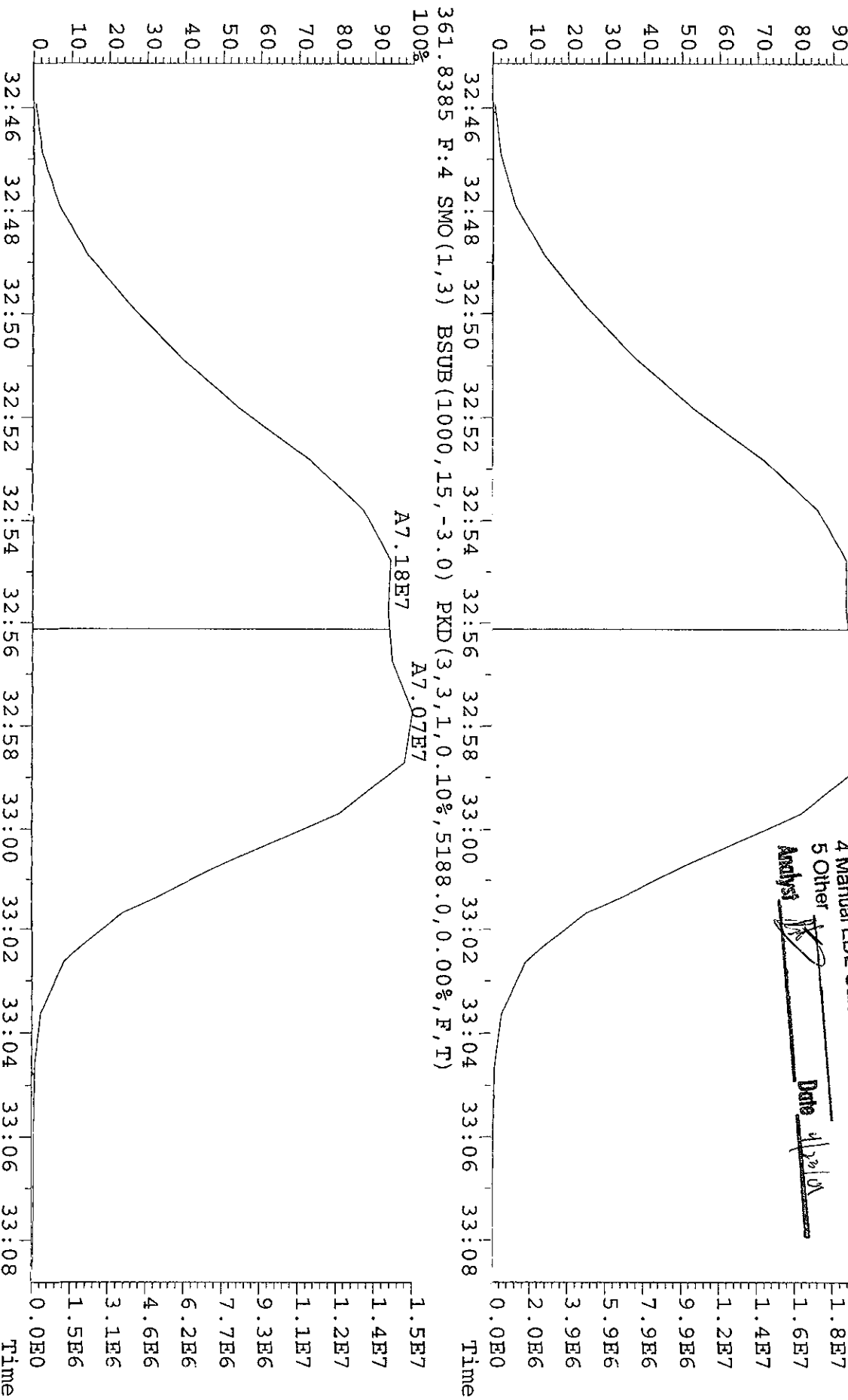


File: 22AP099D5 #1-388 Acq: 22-APR-2009 11:44:43 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0422A :CS3 09DXN016 Exp: 209DB5  
 359,8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8564,0,0,00%,F,T)  
 100% A1.62E8

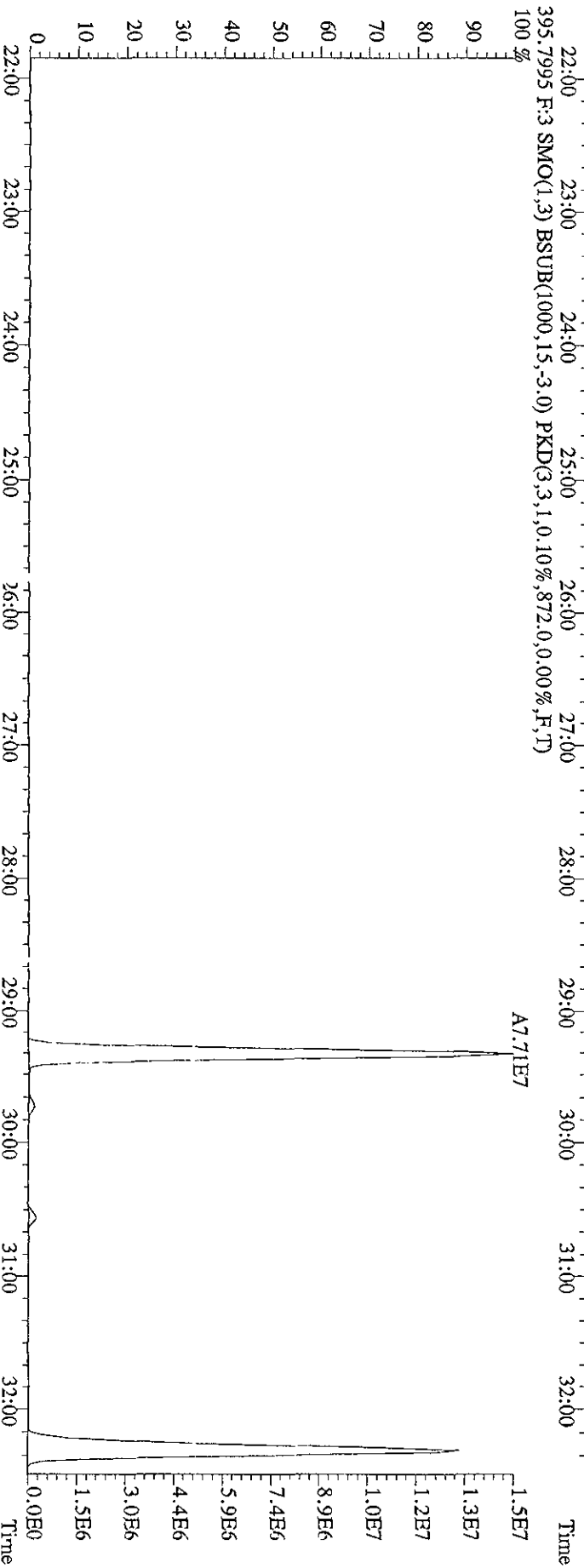
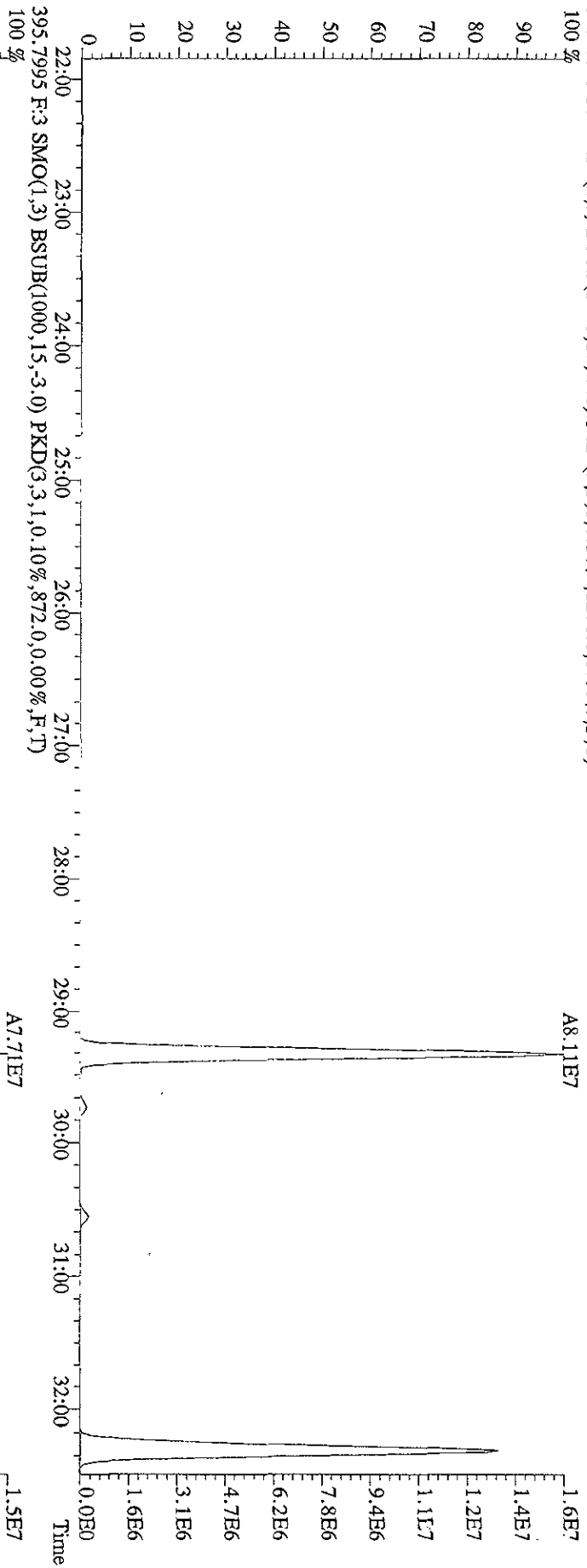


File: 22AP099D5 #1-388 Acq: 22-APR-2009 11:44:43 GC EI+ Voltage **MANUAL EDIT CODES**  
 Sample#1 Text: ST0422A : CS3 09DXN016 Exp: 209DB5  
 359.8415 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%, 2554 Chromatography) Peak not found  
 100% 1000% 2554 Chromatography

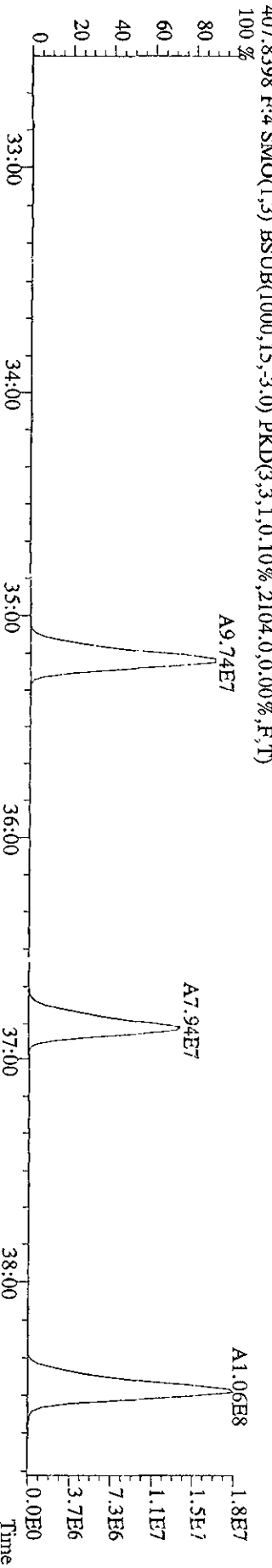
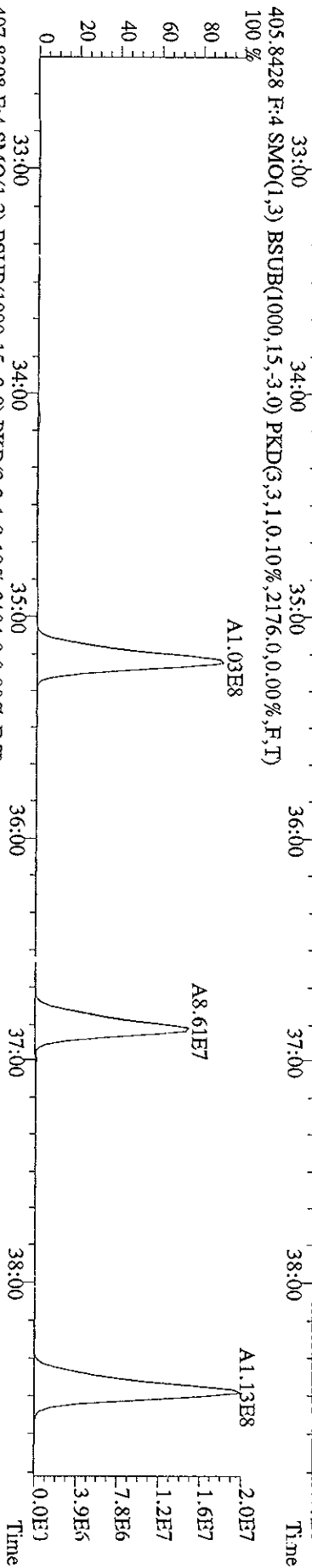
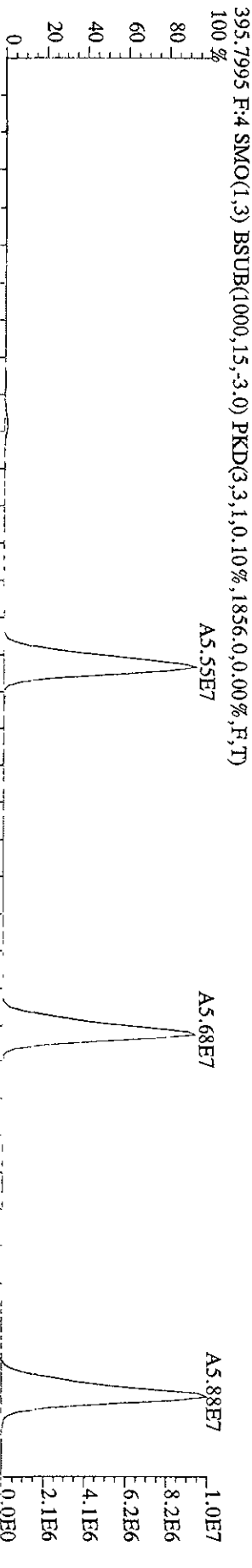
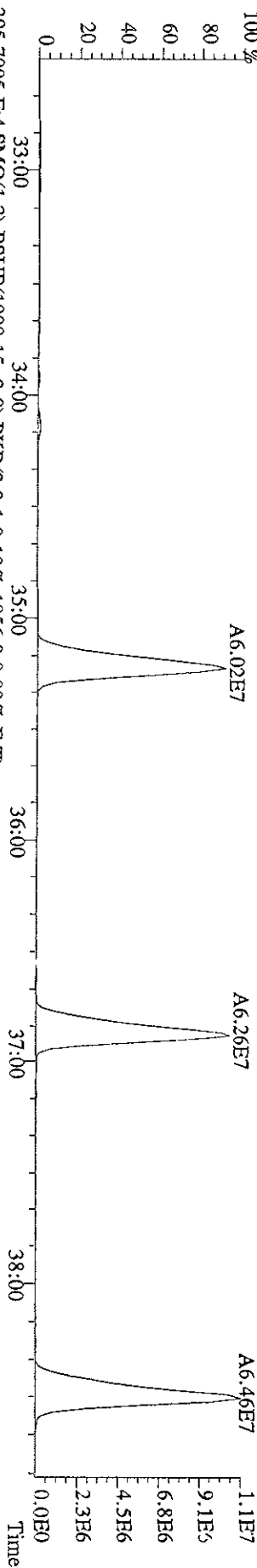
100% 100%  
 A9.00E7 A9.17E7  
 3 Baseline Correction  
 4 Manual EDL Calculation  
 5 Other  
 Analyst PK Date 4/22/10



File:22AP099D5 #1-599 Acq:22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#1 Text:ST0422A :CS3 09DXN016 Exp:209DB5  
393.8025 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,872.0,0.00%,F,T)  
100 %

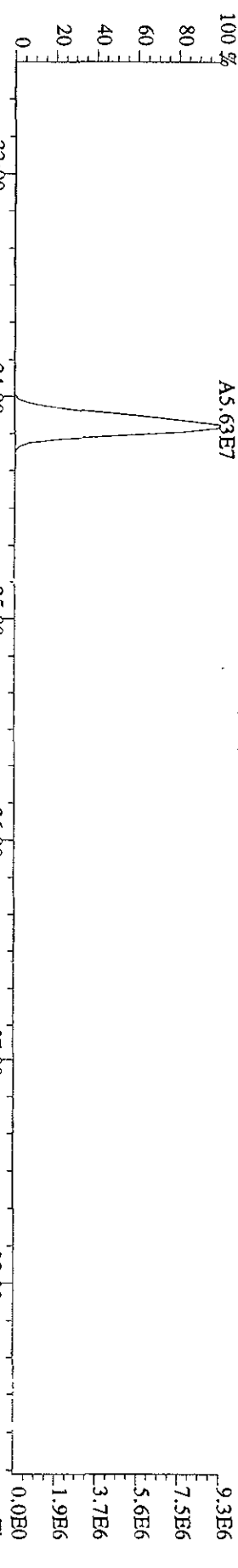


File: 22AP099D5 #1-388 Acq: 22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text: ST0422A :CS3 09DXN016 Exp: 209DB5  
 393,8025 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3848,0,0,00%,F,T)

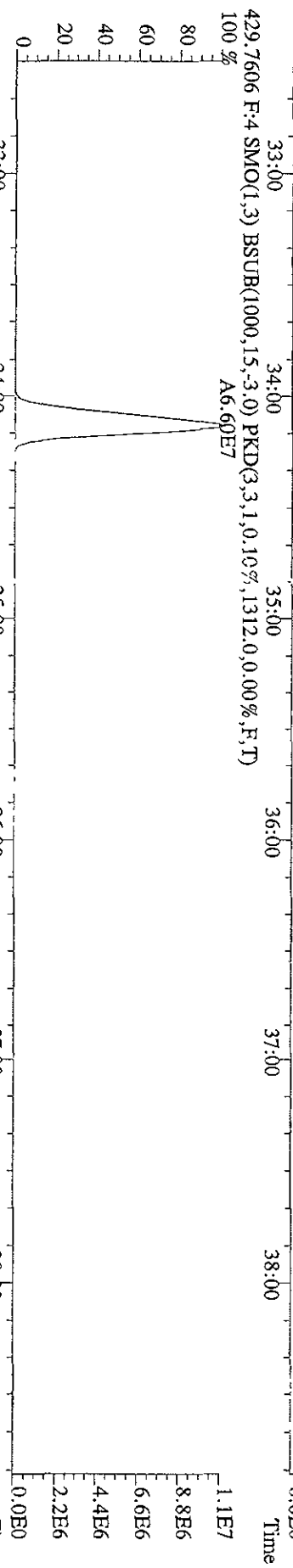




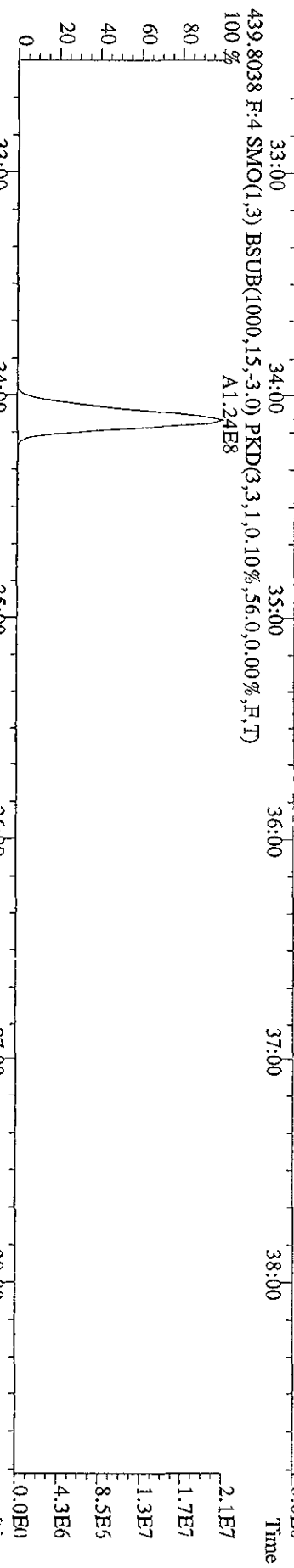
File:22AP099D5 #1-388 Acq:22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0422A :CS3 09DXN016 Exp:209DB5  
 427.7635 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,760.0,0.00%,F,T)  
 100% A5.63E7



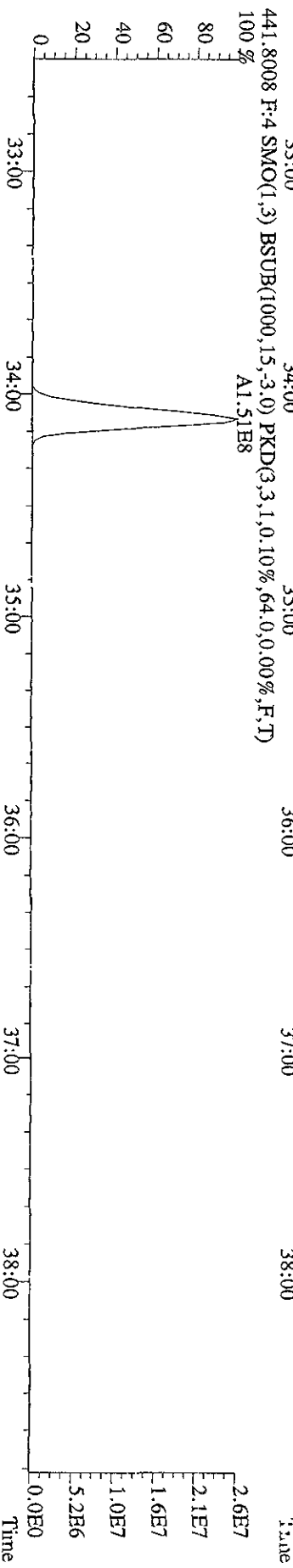
429.7606 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1312.0,0.00%,F,T)  
 100% A6.60E7



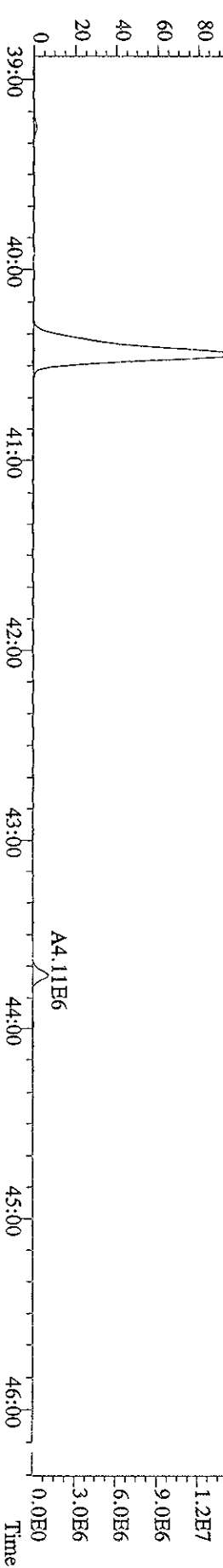
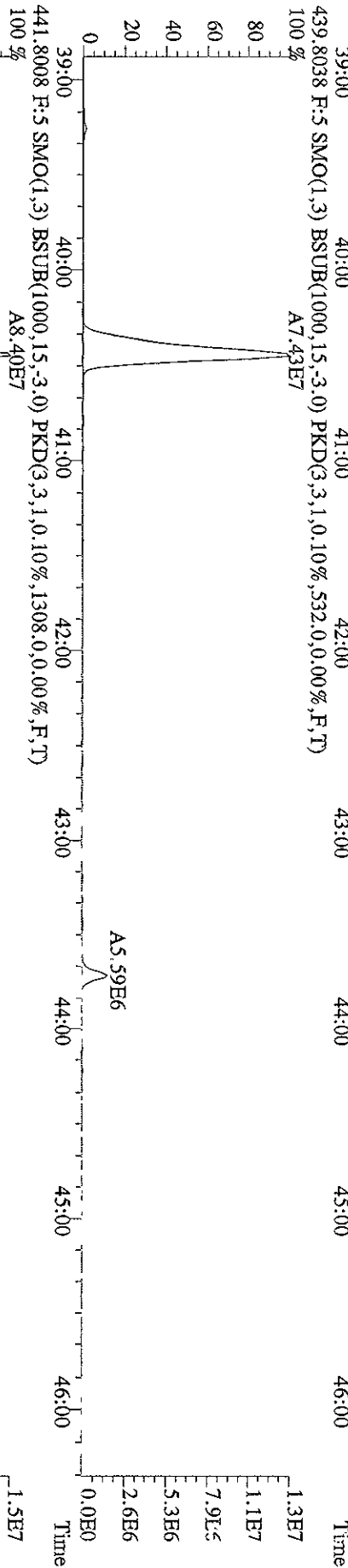
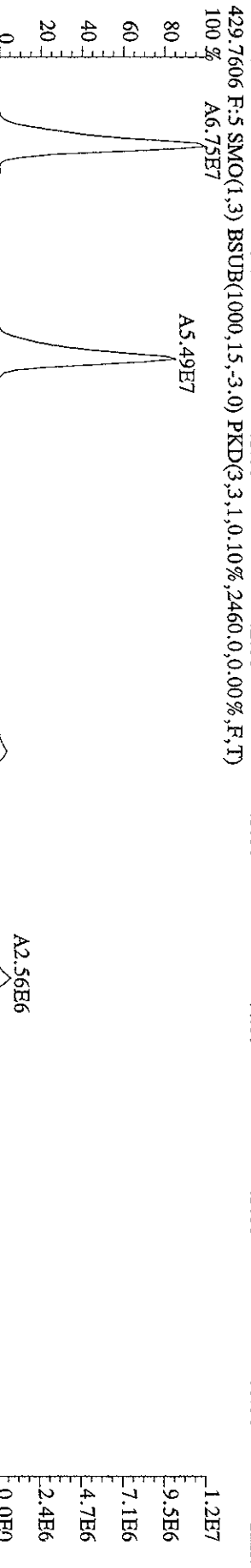
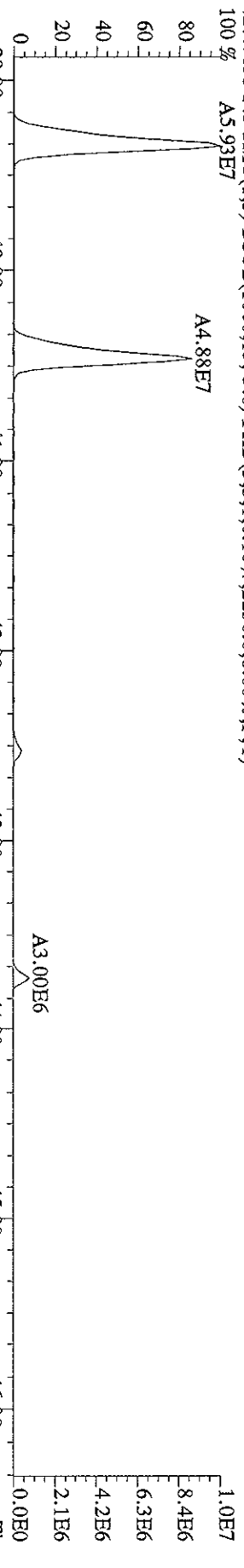
439.8038 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,56.0,0.00%,F,T)  
 100% A1.24E8



441.8008 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,64.0,0.00%,F,T)  
 100% A1.51E8



File:22AP099D5 #1-496 Acq:22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#1 Texu:ST0422A :CS3 09DXN016 Exp:209DB5  
 427.7635 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2256,0,0,00%,F,T)  
 100% A5.93E7

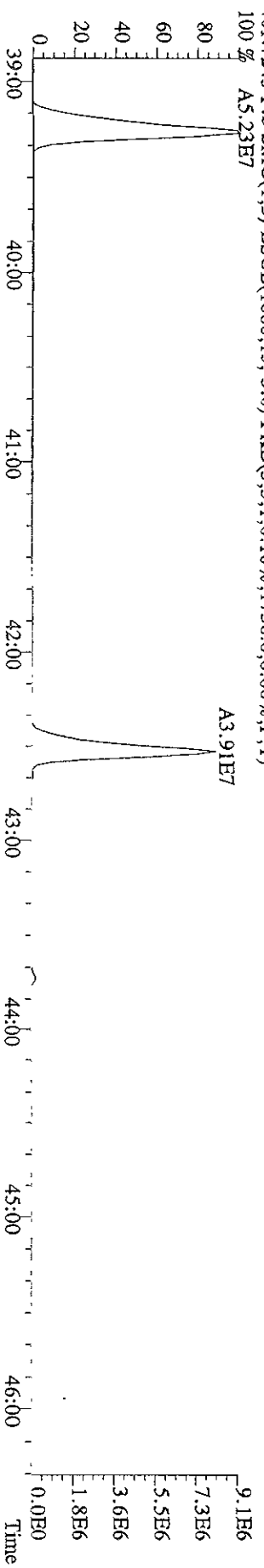


Sample#1 Text:ST0422A :CSS 09DXN016

Exp:50.0DB5

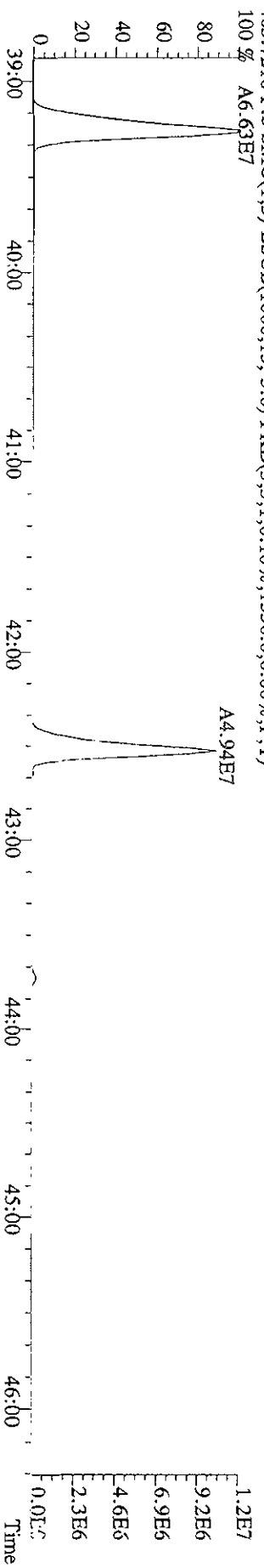
461.7245 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1736.0,0.00%,F,T)

100% A5.23E7



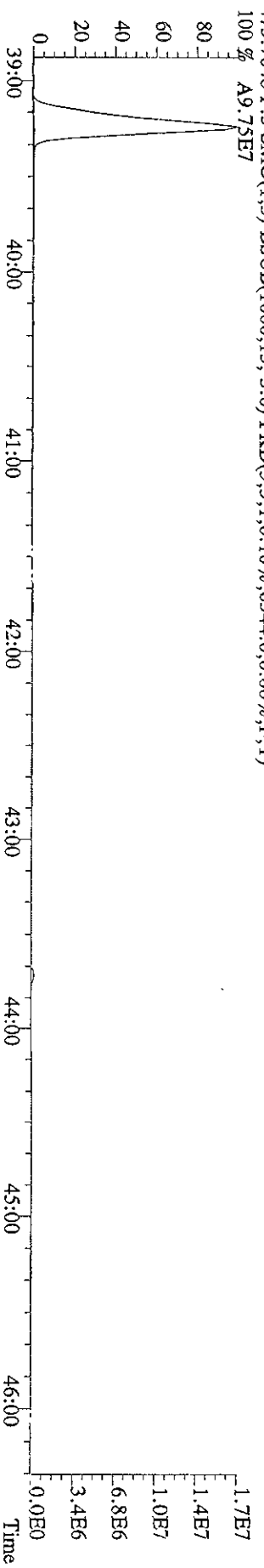
463.7216 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1536.0,0.00%,F,T)

100% A6.63E7



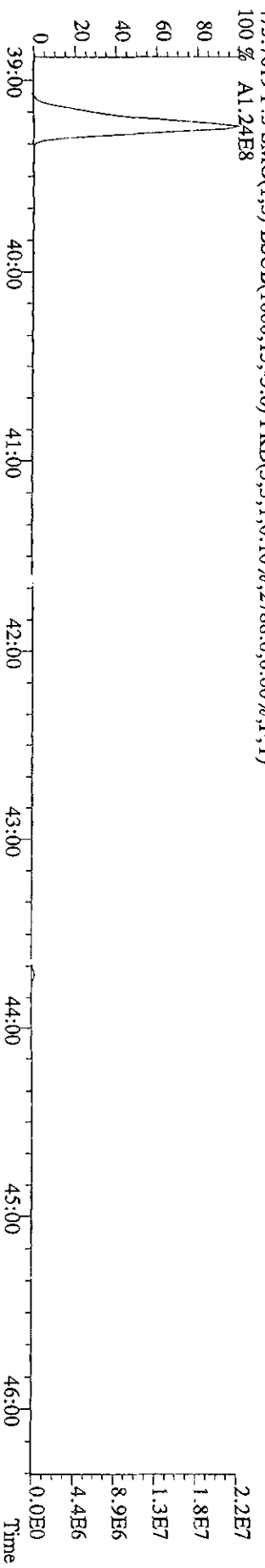
473.7648 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6344.0,0.00%,F,T)

100% A9.75E7

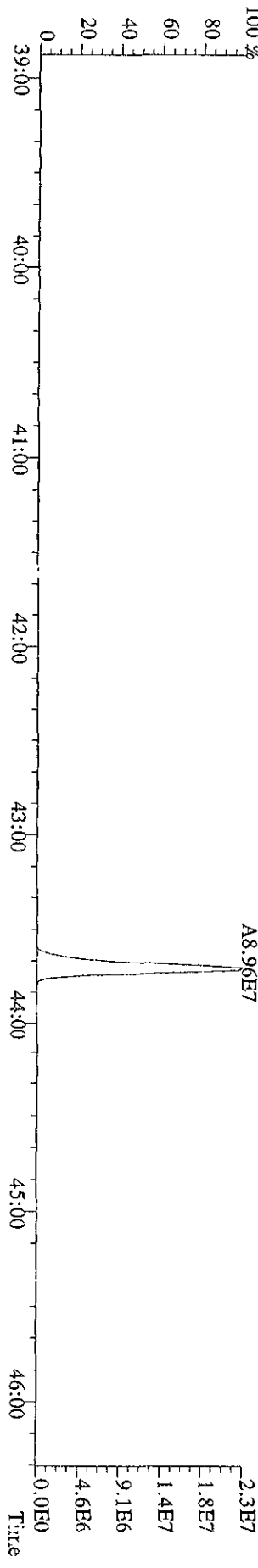
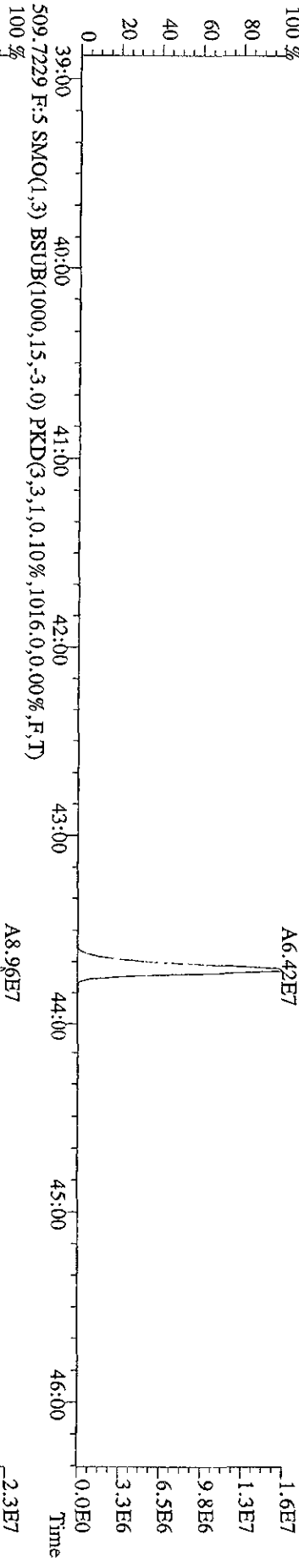
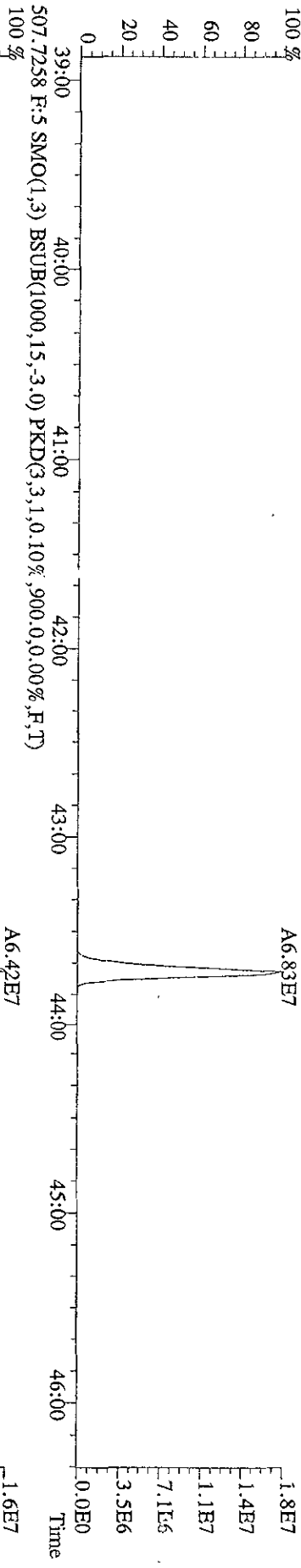
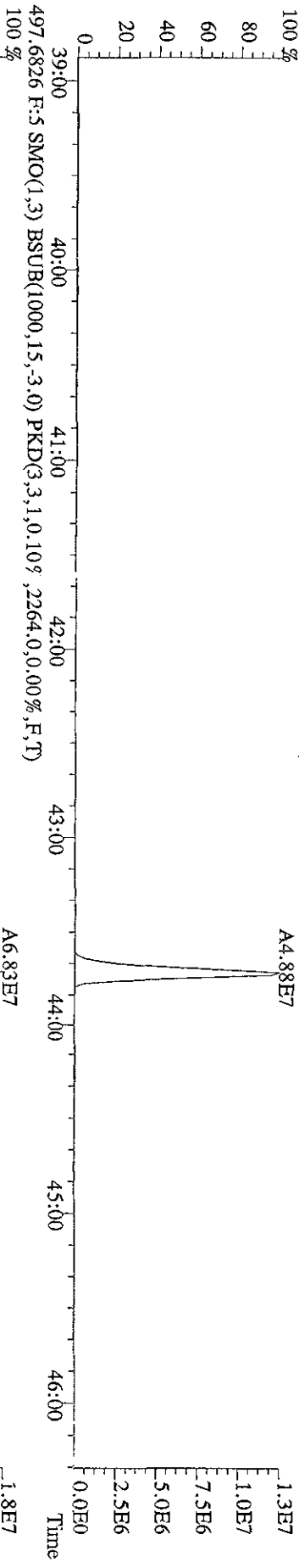


475.7619 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2788.0,0.00%,F,T)

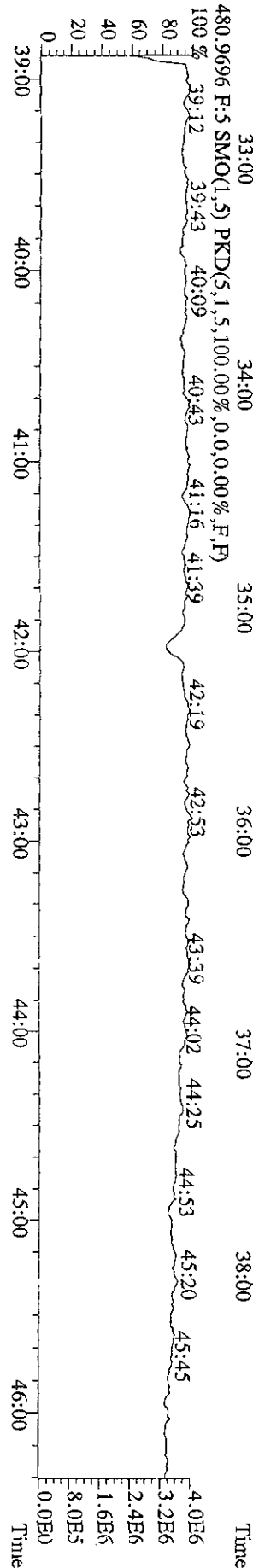
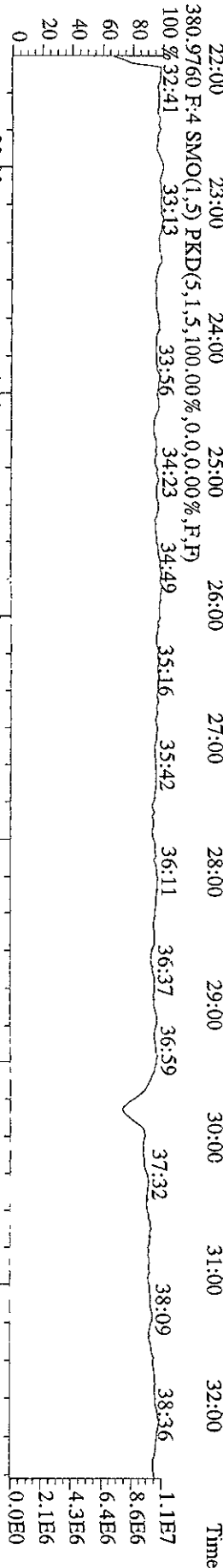
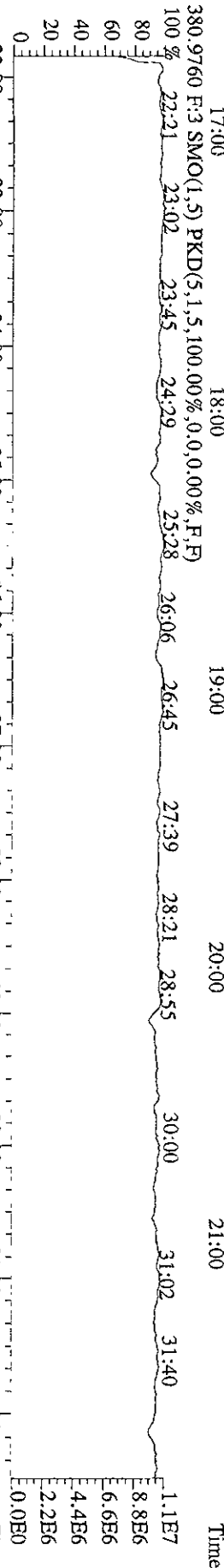
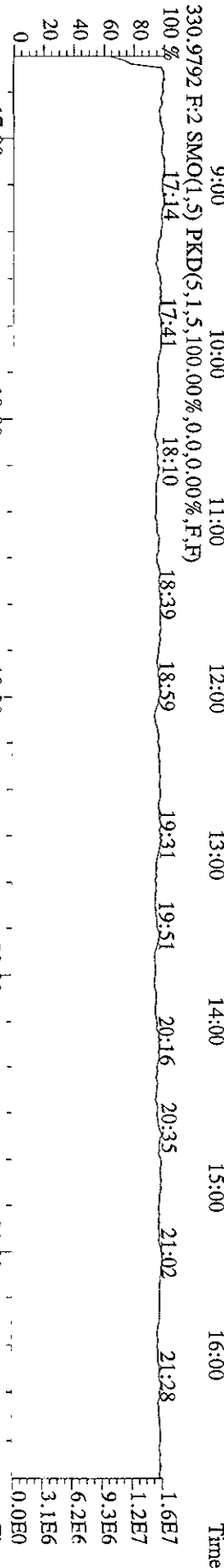
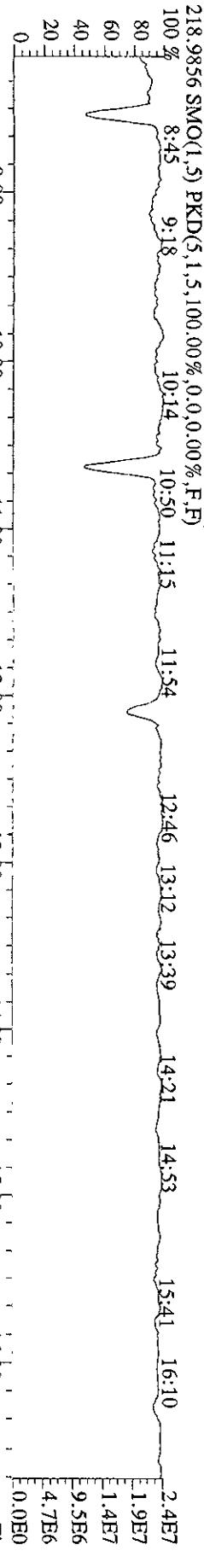
100% A1.24E8



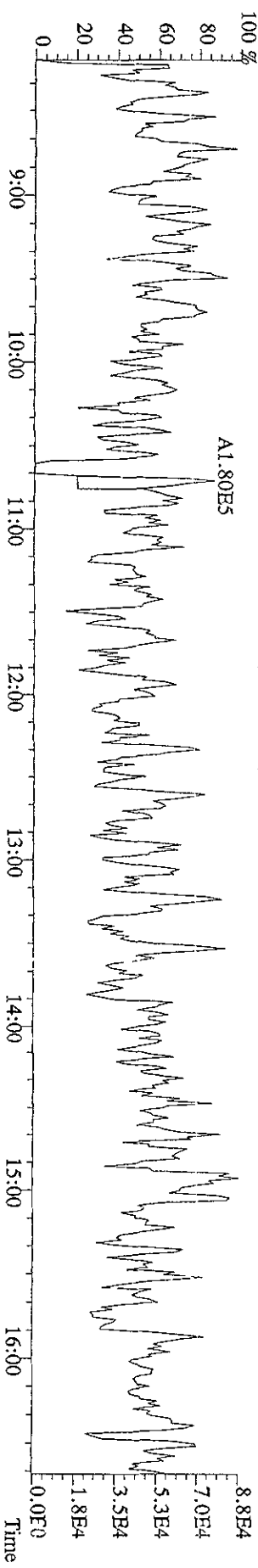
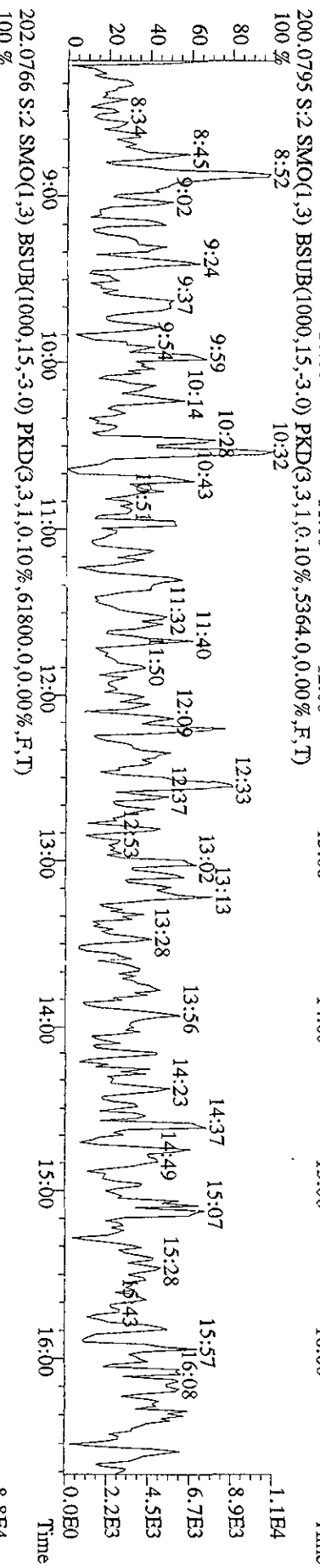
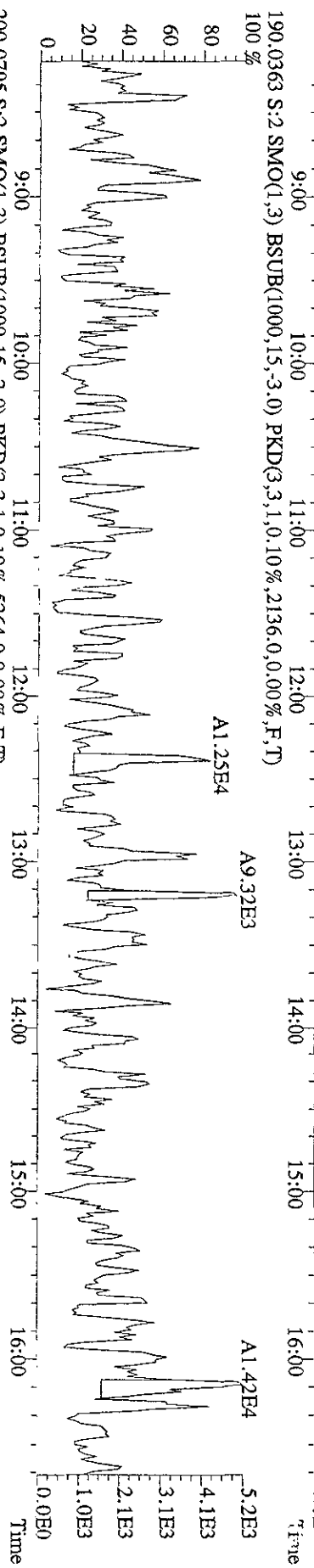
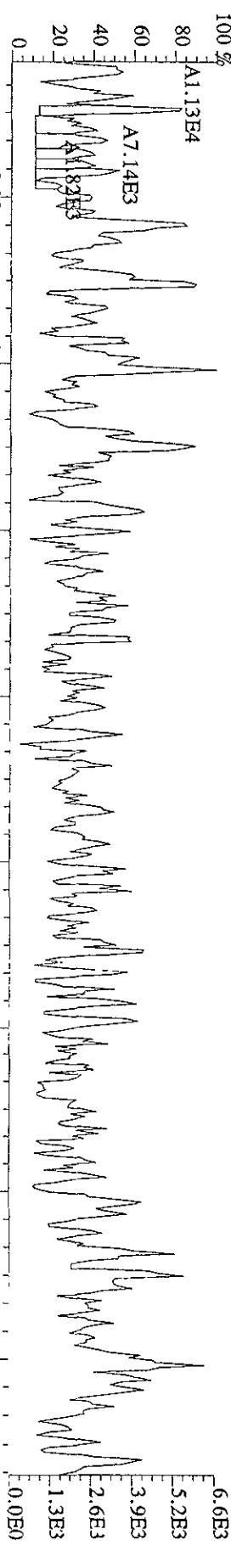
File:22AP099D5 #1-496 Acq:22-APR-2009 11:44:43 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0422A :CS3 09DXN016 Exp:209DB5  
 495.6856 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1560,0,0,0.00%,F,T)  
 100%



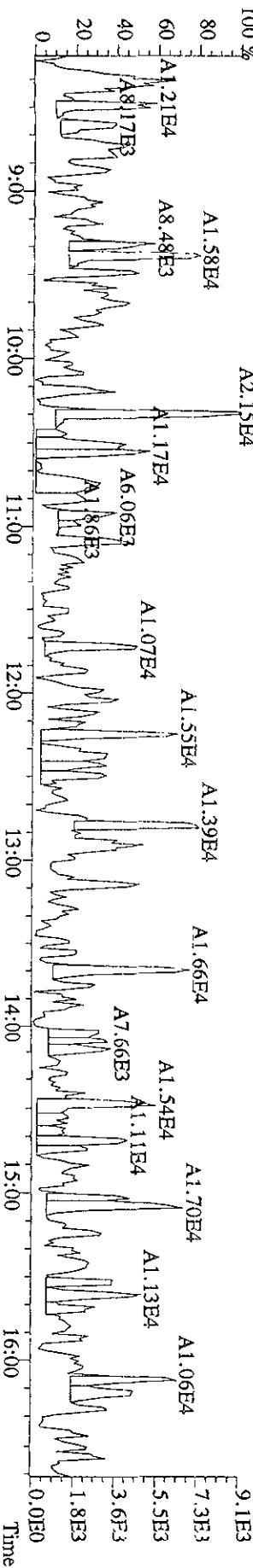
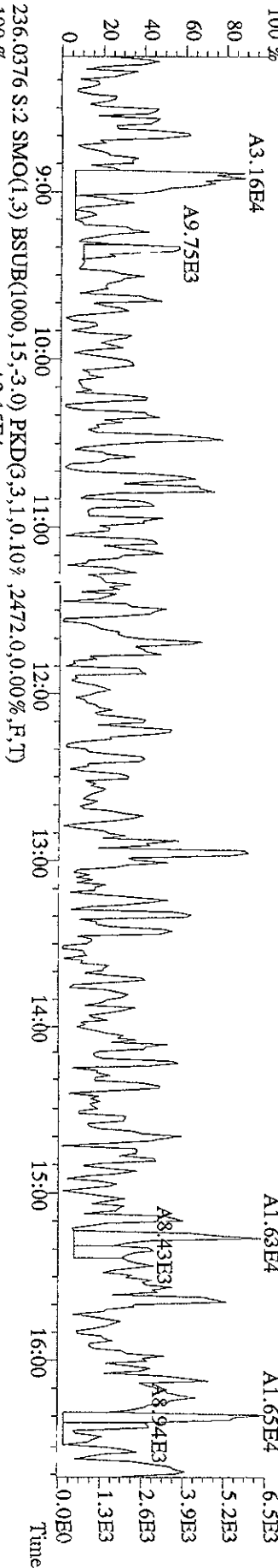
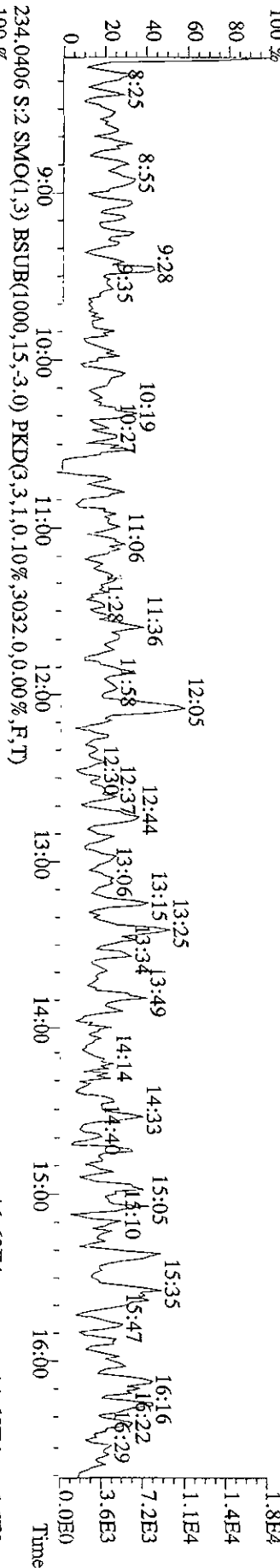
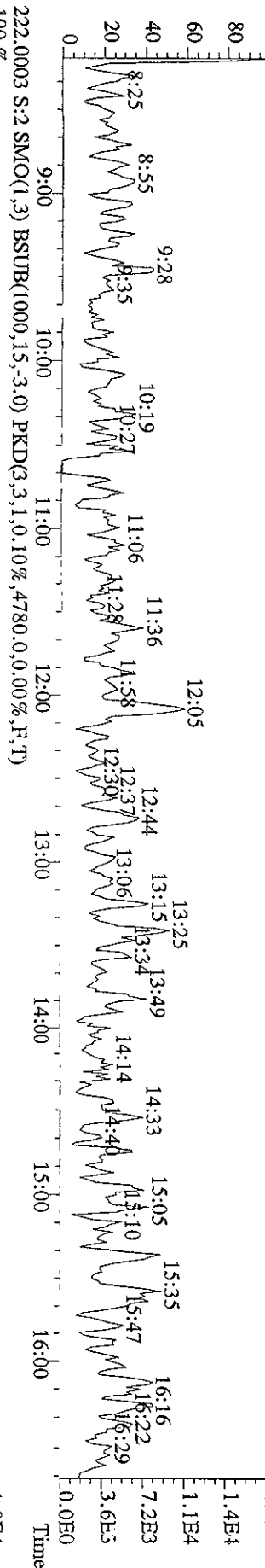
File: 22AP099D5 #1-577 Acq: 22-APR-2009 11:44:43 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#1 Text: ST0422A :CS3 09DXN016 Exp: 209DB5



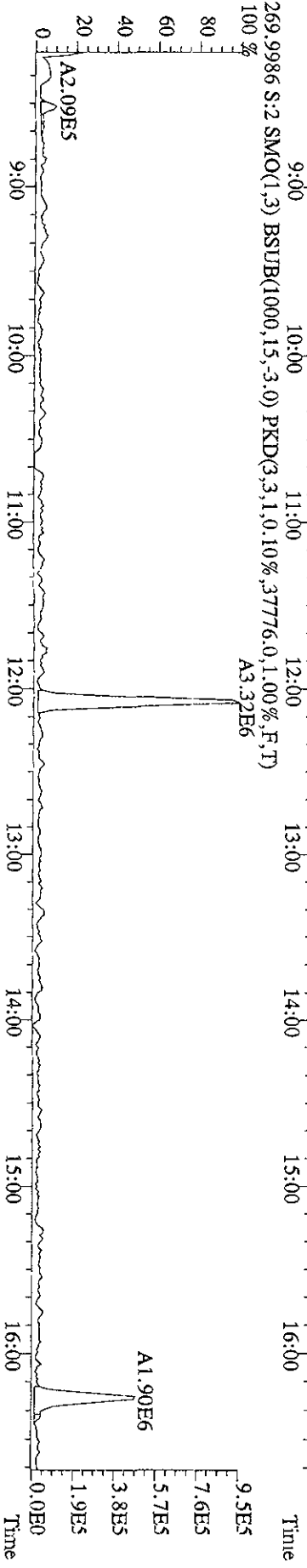
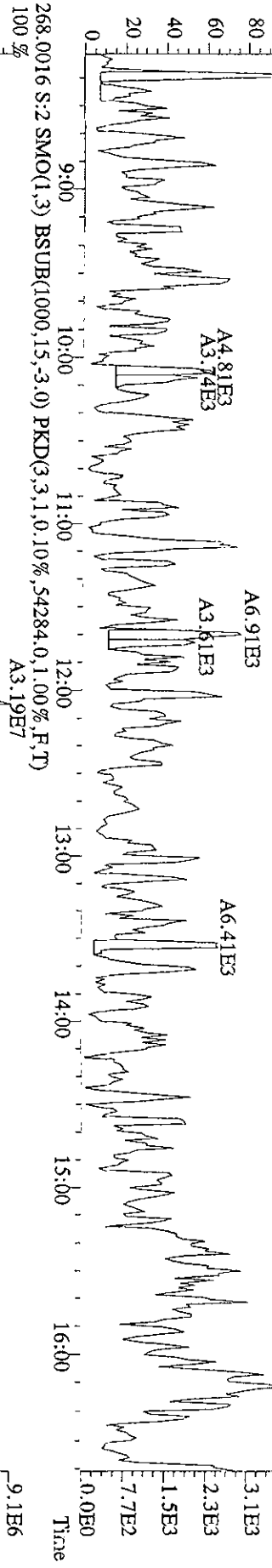
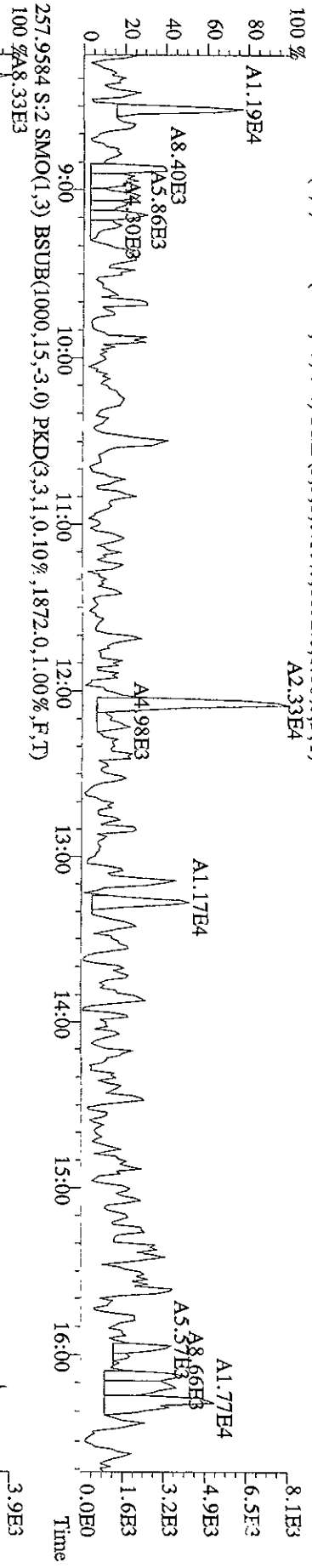
File:22AP099D5 #1-577 Acq:22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:SB042A :Solvent Blank C-12 Exp:209D.35  
 188.0393 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2852.0,0.00%,F,T)



File:22AP099D5 #1-577 Acq:22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:SB042A :Solvent Blank C-12 Exp:209D 35  
 222.0003 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4780.0,0.00%,F,T)  
 100 %

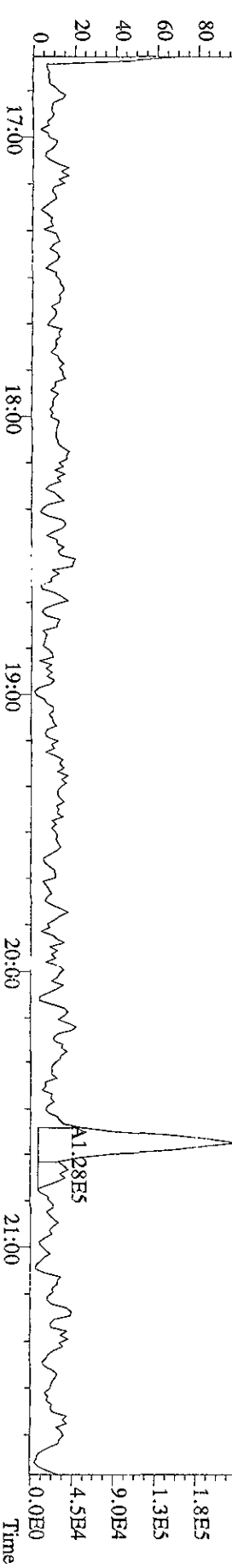
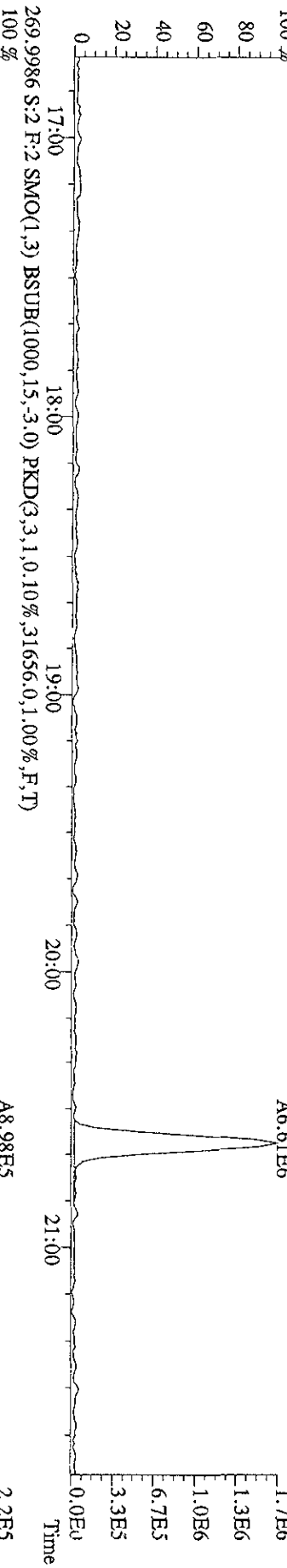
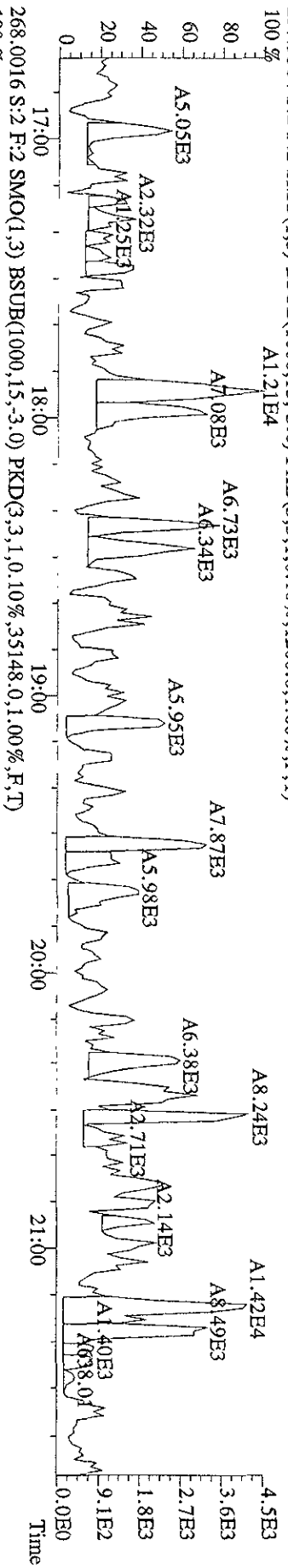
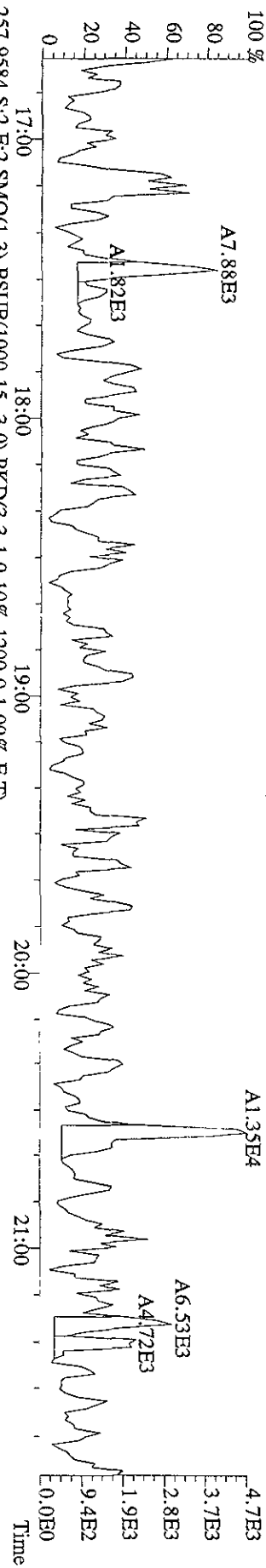


File:22AP099D5 #1-577 Acq:22-APR-2009 13:23:34 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#2 Text:SB042A :Solvent Blank C-12 Exp:209DB5  
 257.9584 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1872.0,1.00%,F,T)  
 100 %

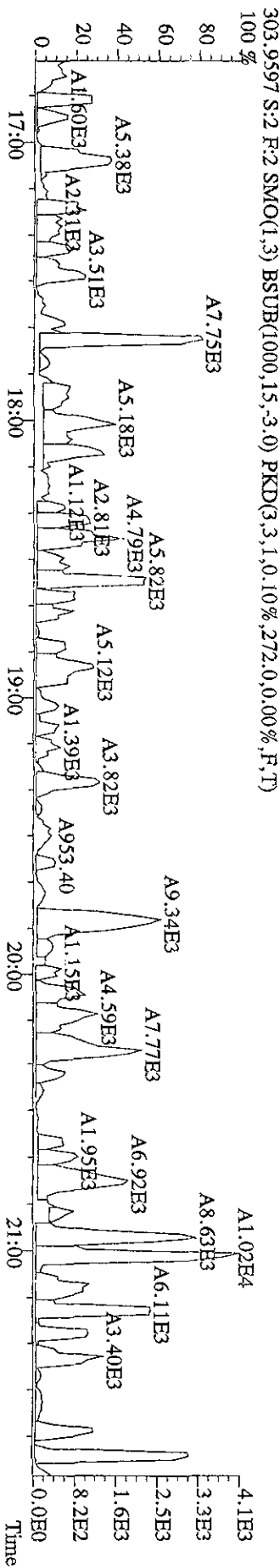
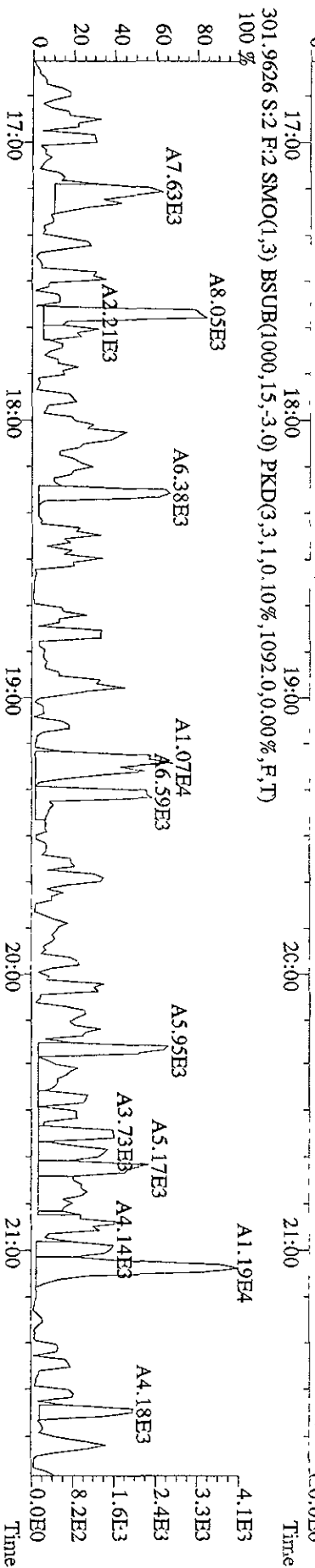
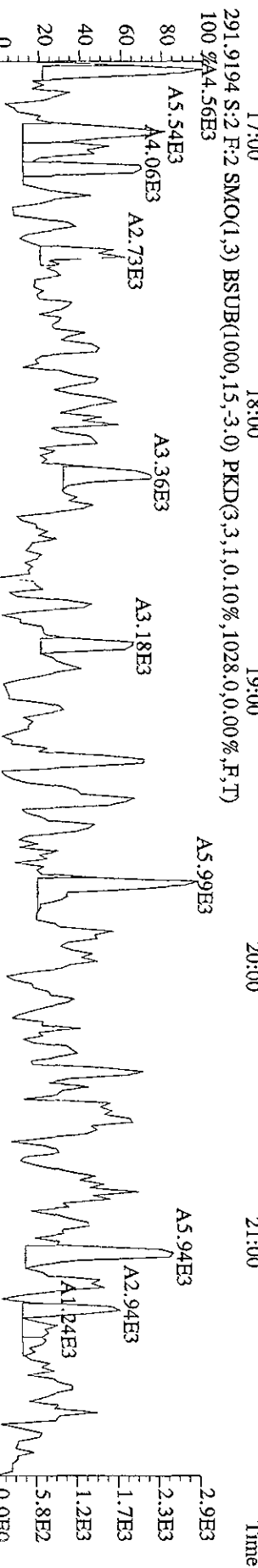
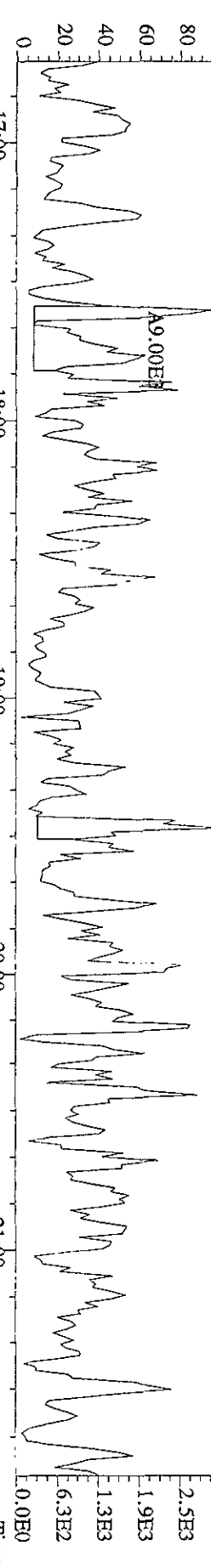




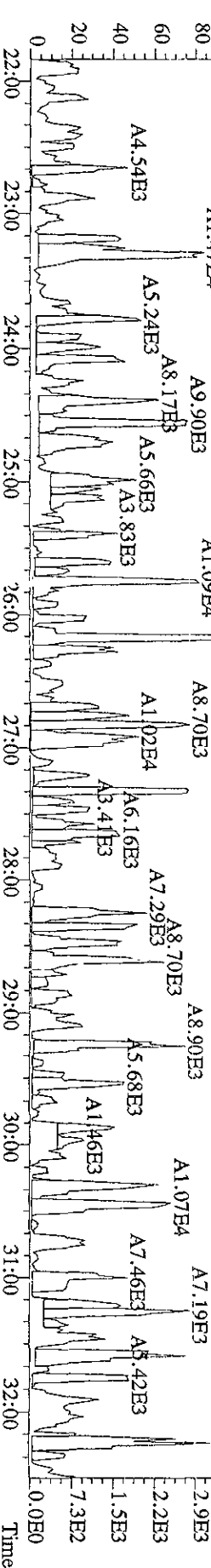
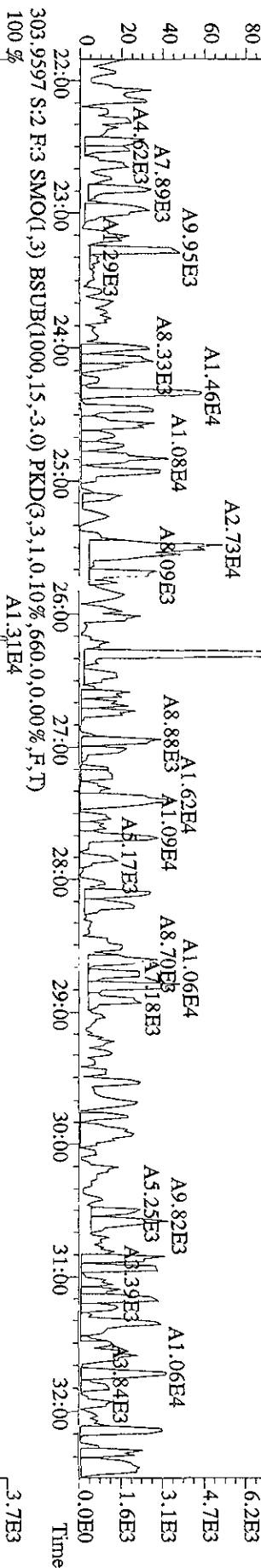
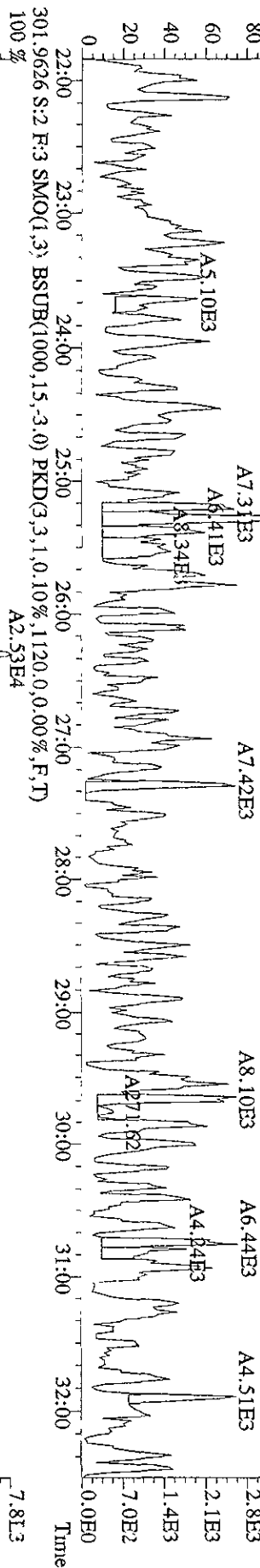
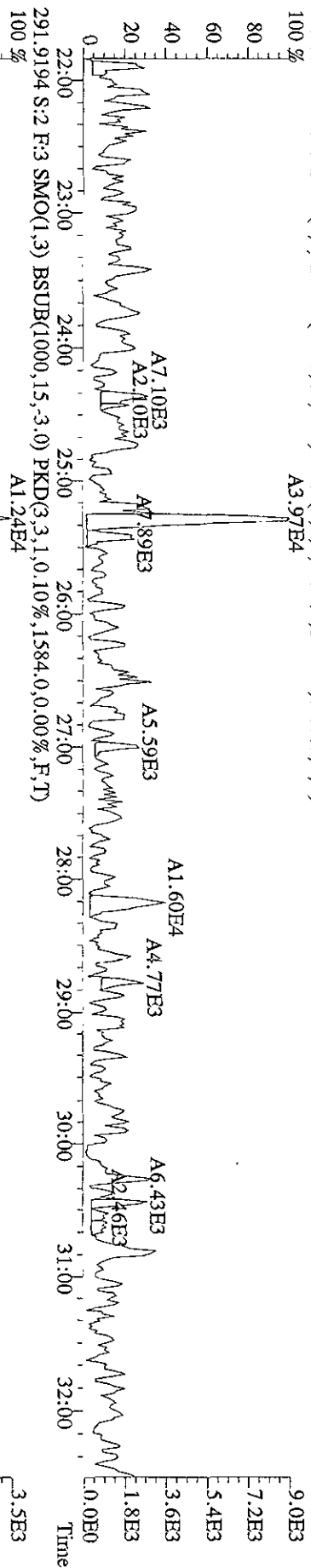
File:22AP099D5 #1-372 Acq:22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:SB042A :Solvent Blank C-12 Exp:209DB5  
 255.9613 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1632,0,1,00%,F,T)  
 100 %



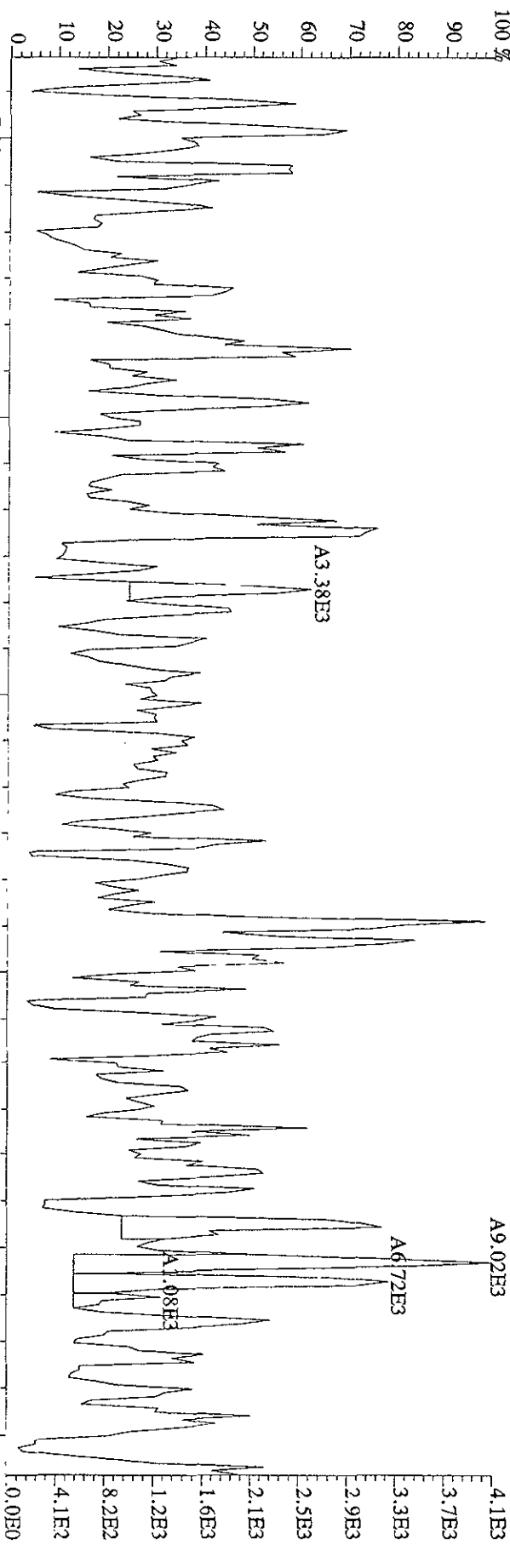
File:22AP099D5 #1-372 Acq:22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:SB042A :Solvent Blank C-12 Exp:209DB5  
 289.9224 S-2 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1588.0,0.00%,F,T)  
 100 % A5.98E3 A7.57E3



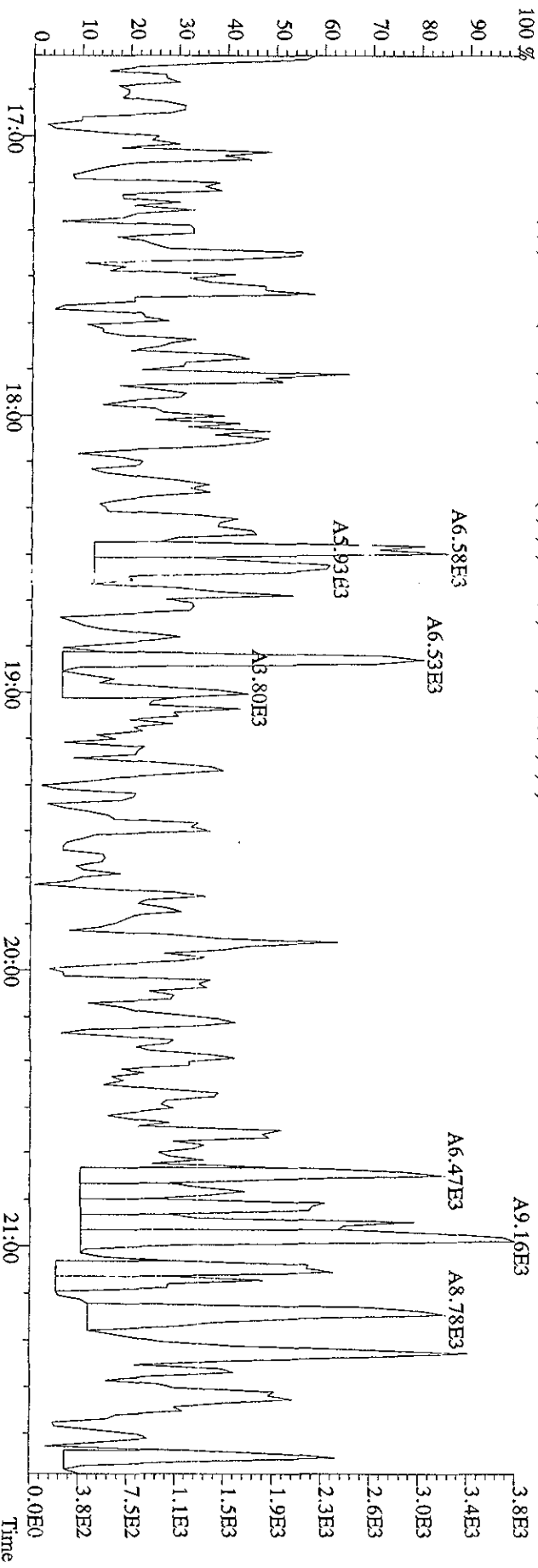
File: 22A099D5 #1-600 Acq: 22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: SB042A :Solvent Blank C-12 Exp: 209D35  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1840,0,0.00%,F,T)  
 100%



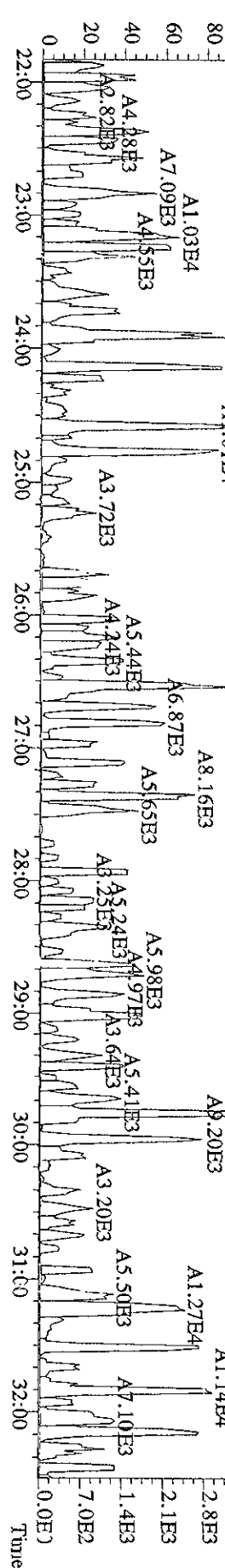
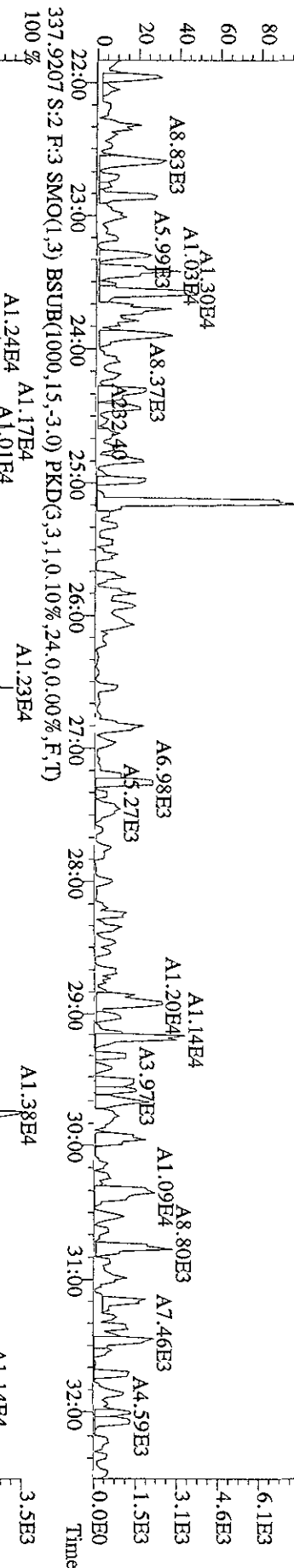
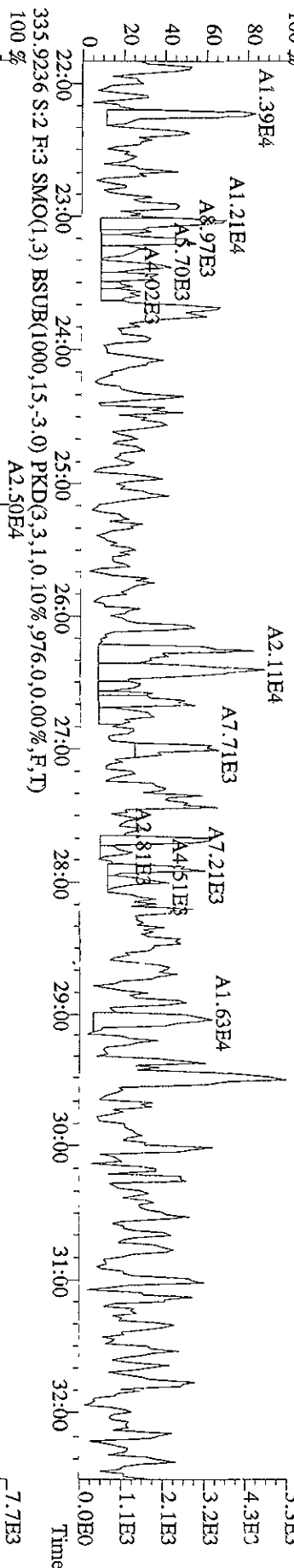
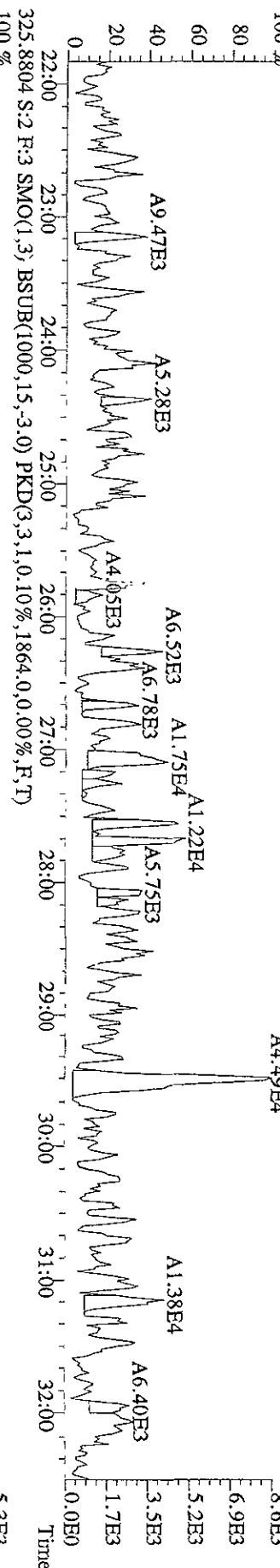
File: 22AP099D5 #1-372 Acq: 22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#2 Text: SB042A : Solvent Blank C-12 Exp: 209DB5  
 323.8834 S: 2 F: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1780,0,0.00%,F,T)



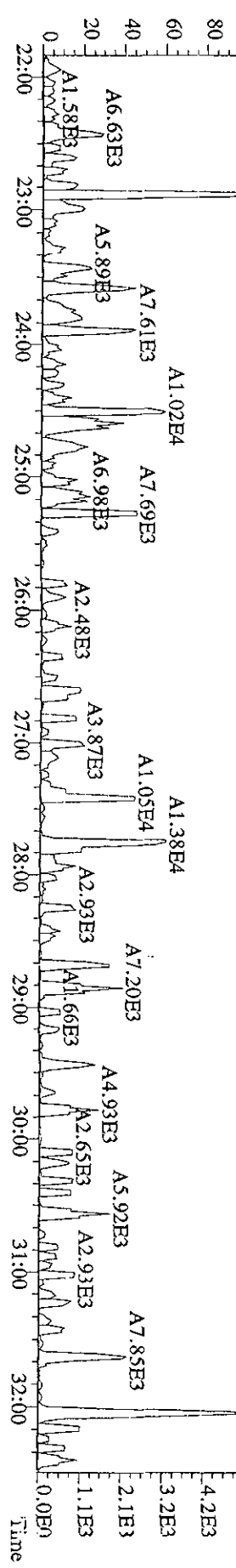
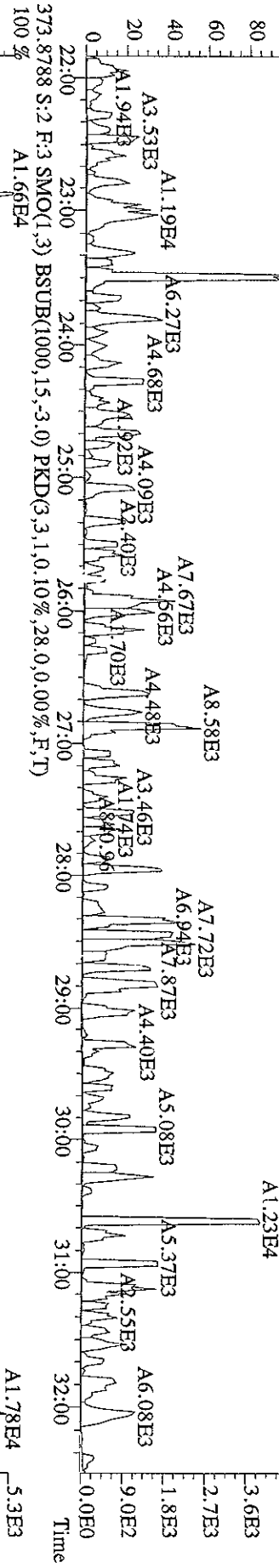
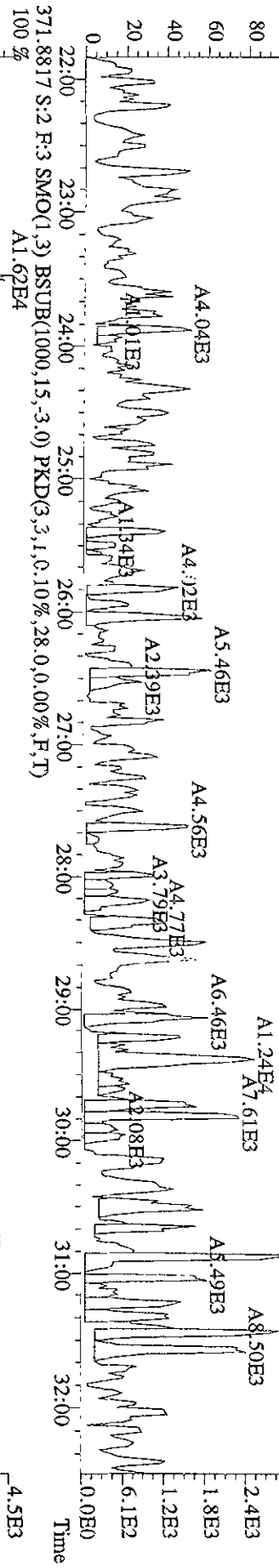
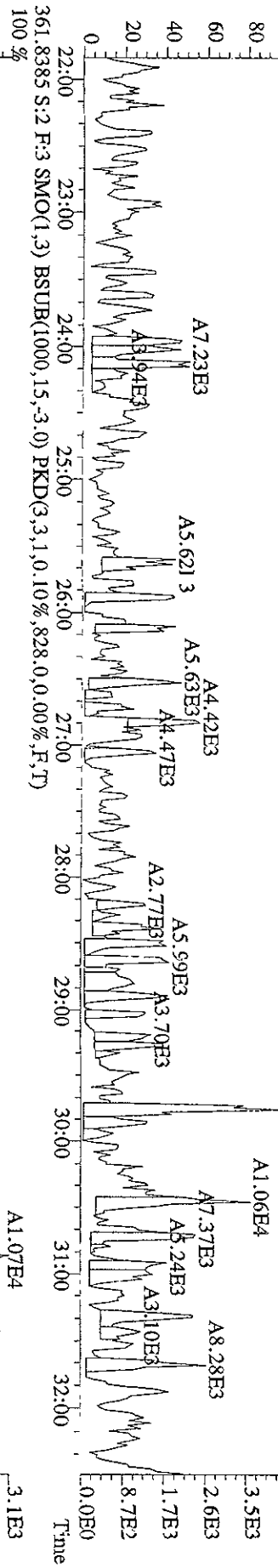
325.8804 S: 2 F: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1588,0,0.00%,F,T)



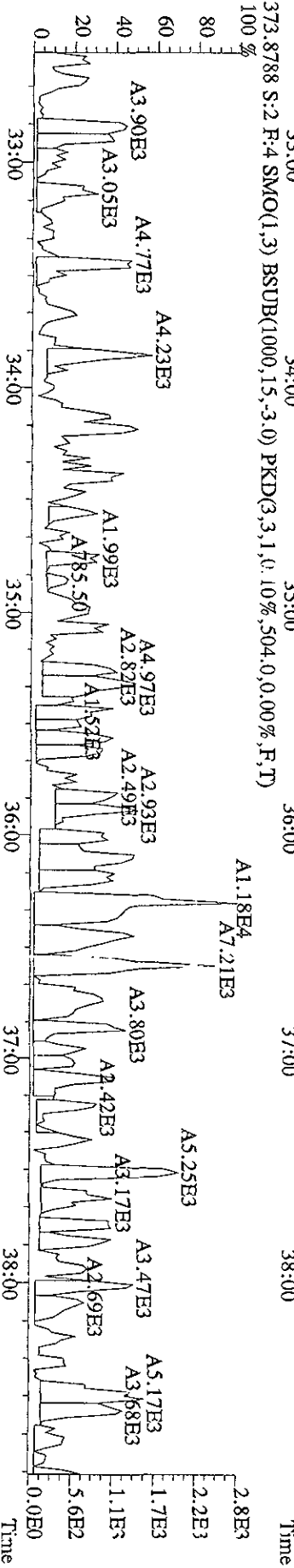
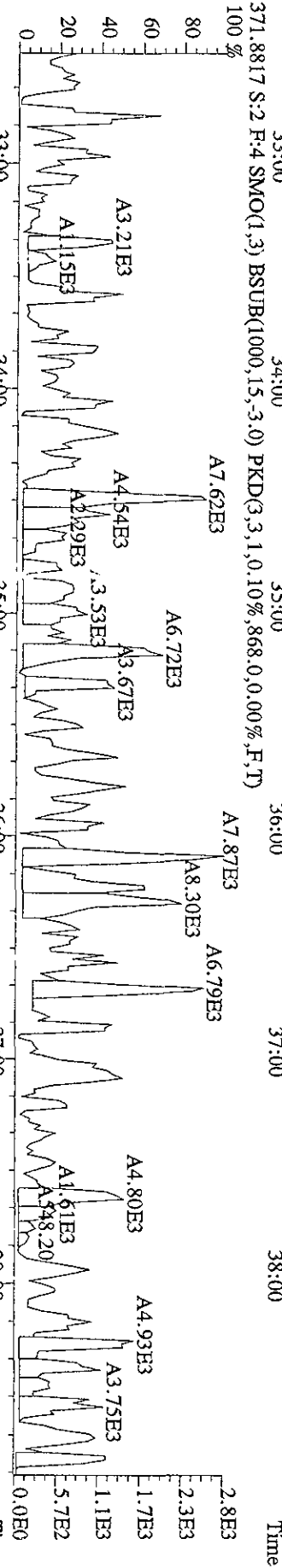
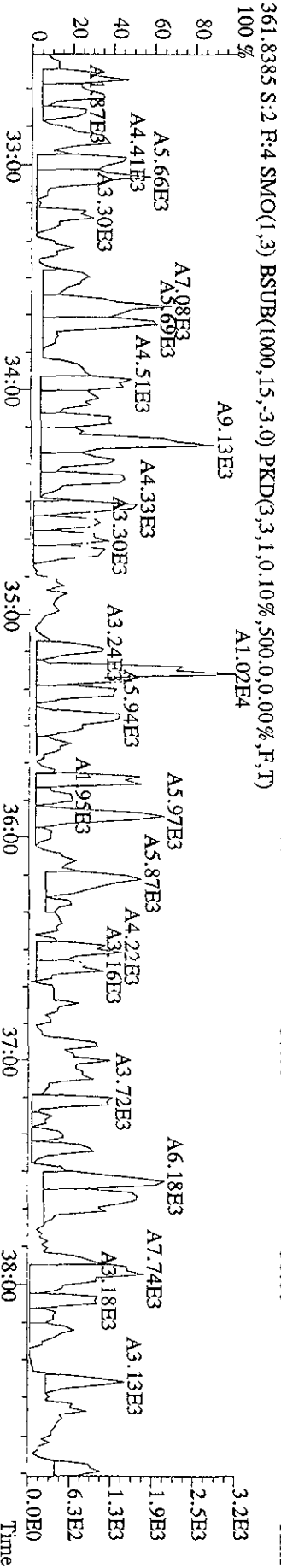
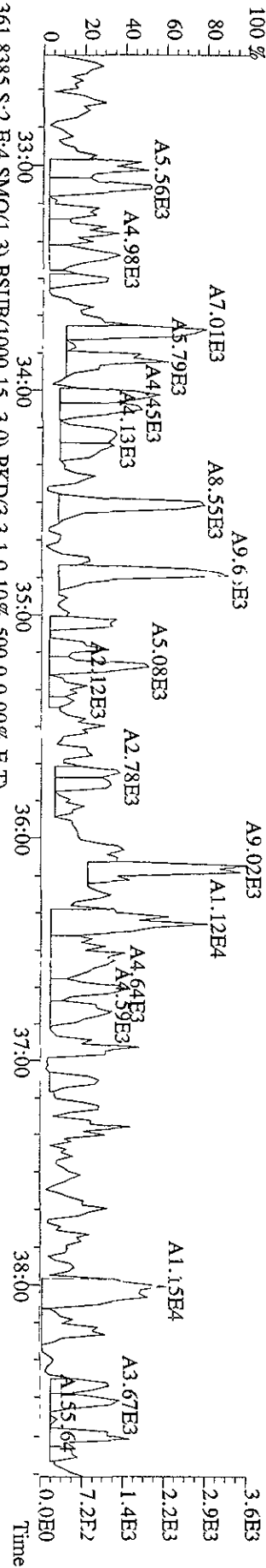
File:22AP09D5 #1-600 Acq:22-APR-2009 13:23:34 GC EI+ Voltage S1R Autospec-UltimaE  
 Sample#2 Text:SB042A :Solvent Blank C-12 Exp:209DB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1716.0,0.00%,F,T)



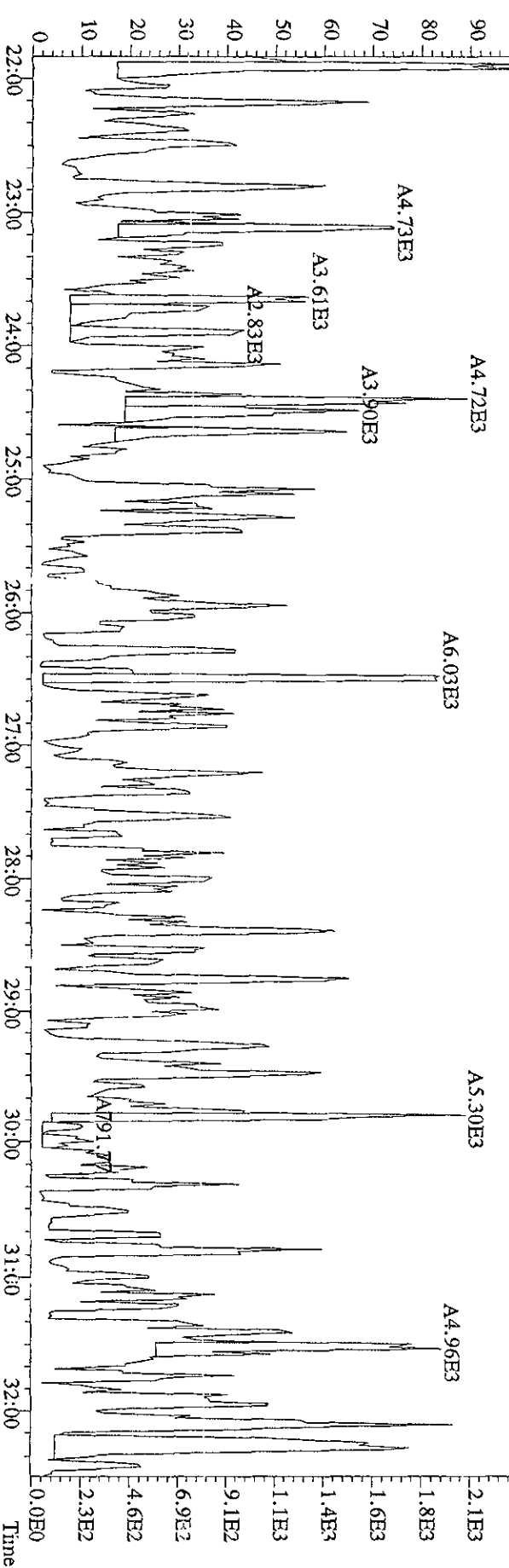
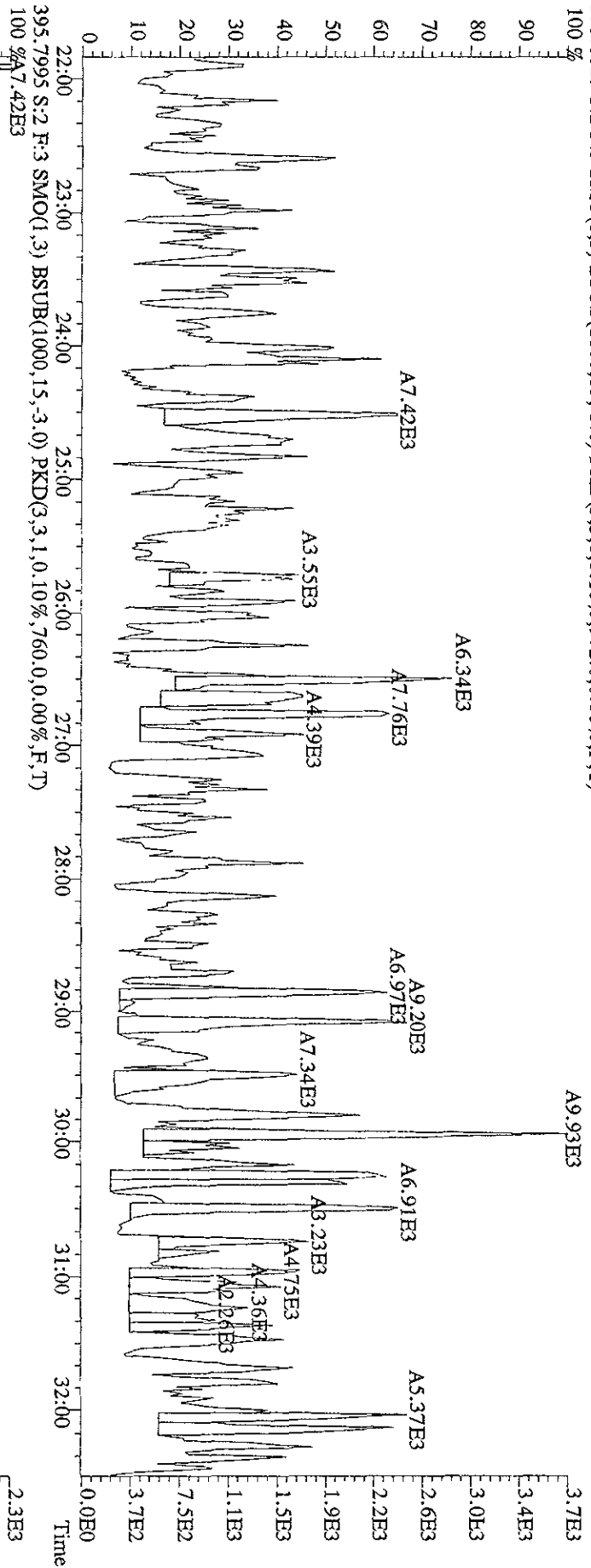
File:22AP099D5 #1-600 Acq:22-APR-2009 13:23:34 GC EI+ Voltage S1R Autospec-UltimaE  
Sample#2 Text:S8042A :Solvent Blank C-12 Exp:209D95  
359.8415 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1000,0,0.00%,F,T)



File:22AP099D5 #1-387 Acq:22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#2 Text:SB042A :Solvent Blank C-12 Exp:209D35  
359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,740,0,0,0,00%,F,T)

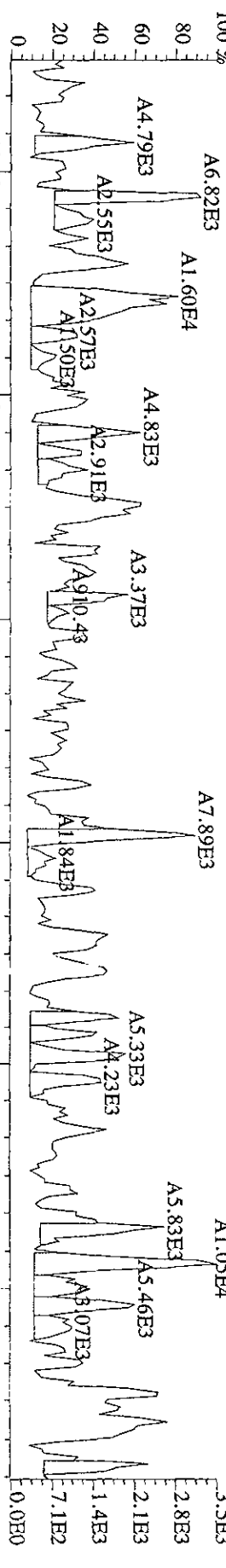


File:22AP099D5 #1-600 Acq:22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:SB042A :Solvent Blank C-12 Exp:209DB5  
 393.8025 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,972,0,0,00%,F,T)

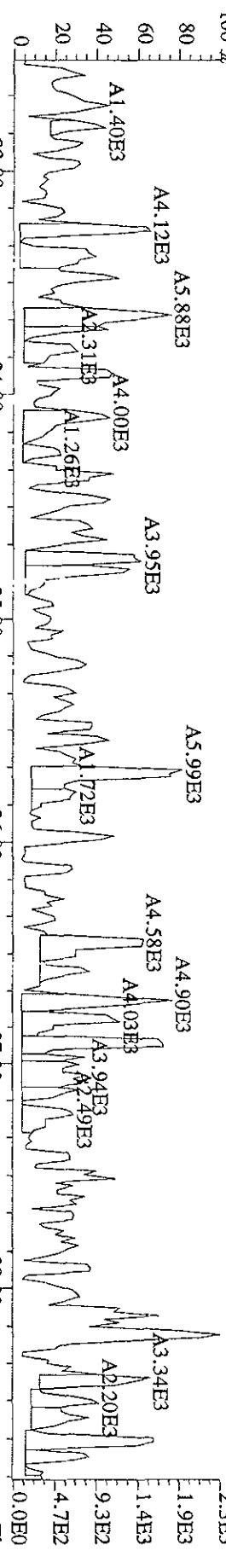




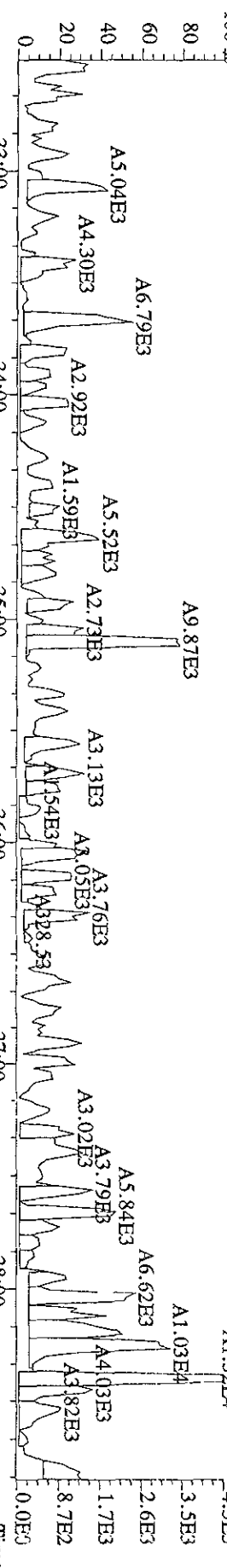
File:22AP099D5 #1-387 Acq:22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#2 Text:SB042A :Solvent Blank C-12 Exp:209DB5  
393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,984.0,0,00%,F,T)



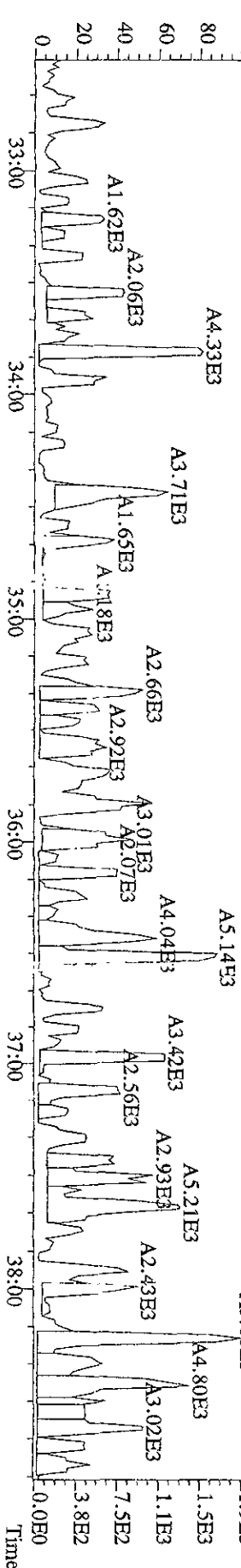
395.7995 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,724.0,0,00%,F,T)



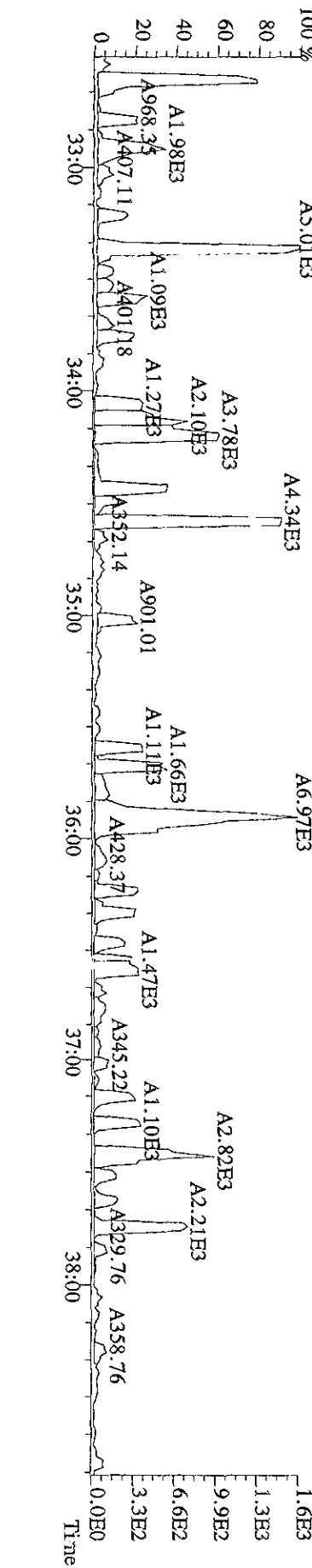
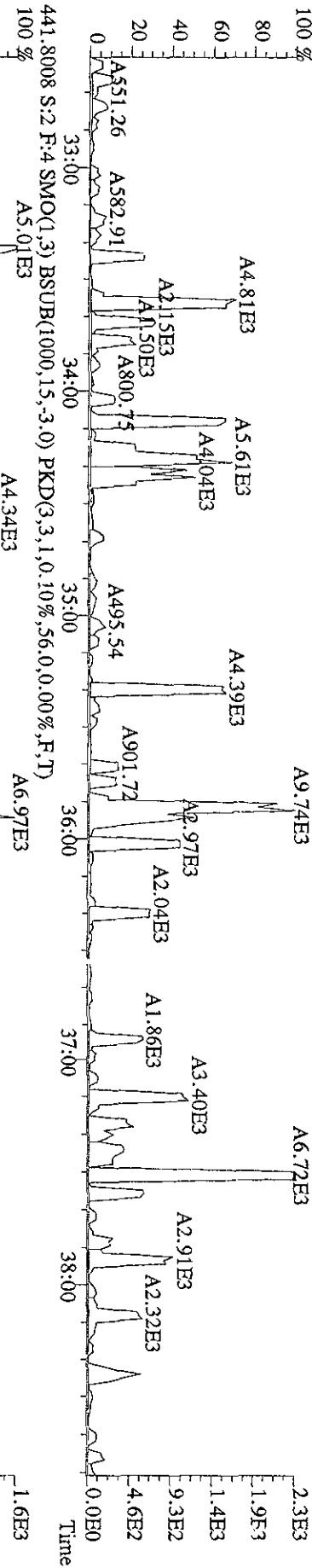
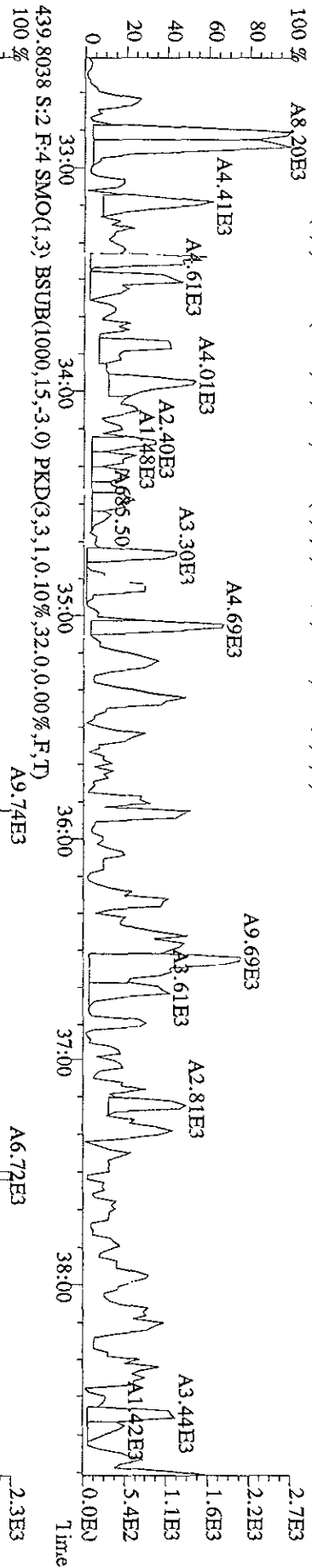
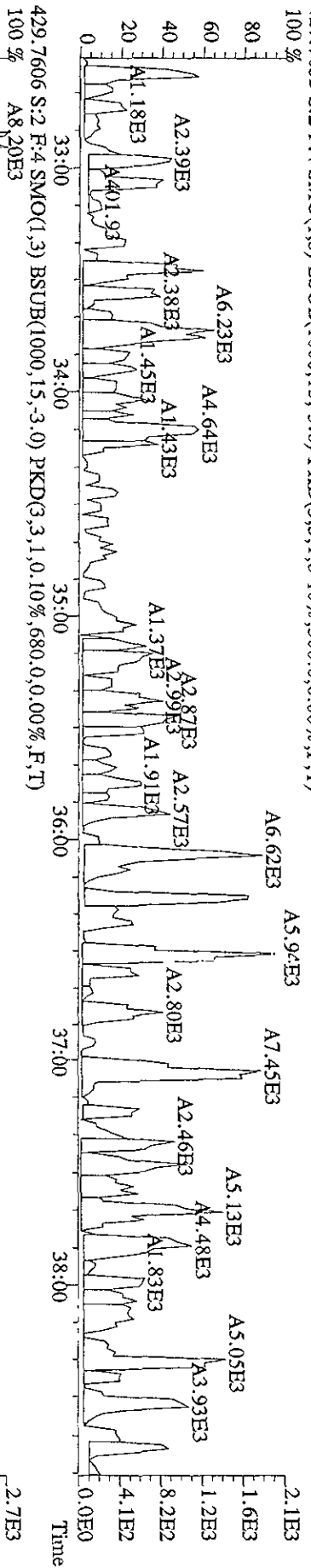
405.8428 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,608.0,0,00%,F,T)



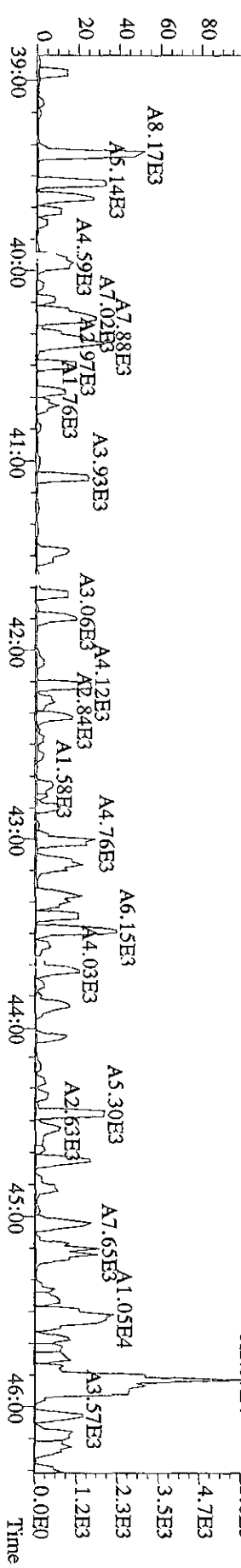
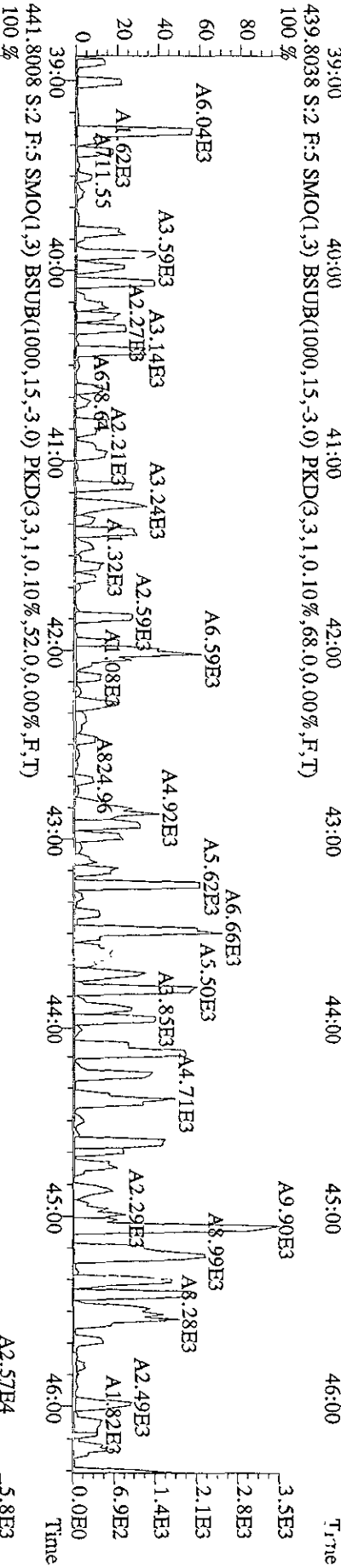
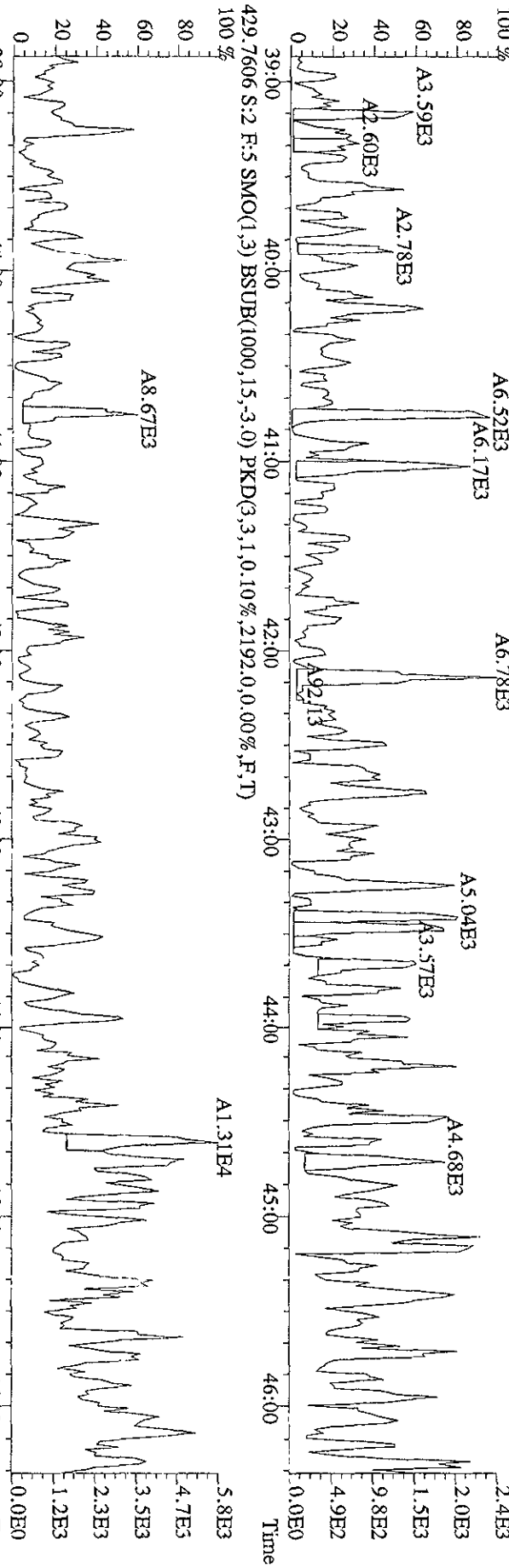
407.8398 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,504.0,0,00%,F,T)



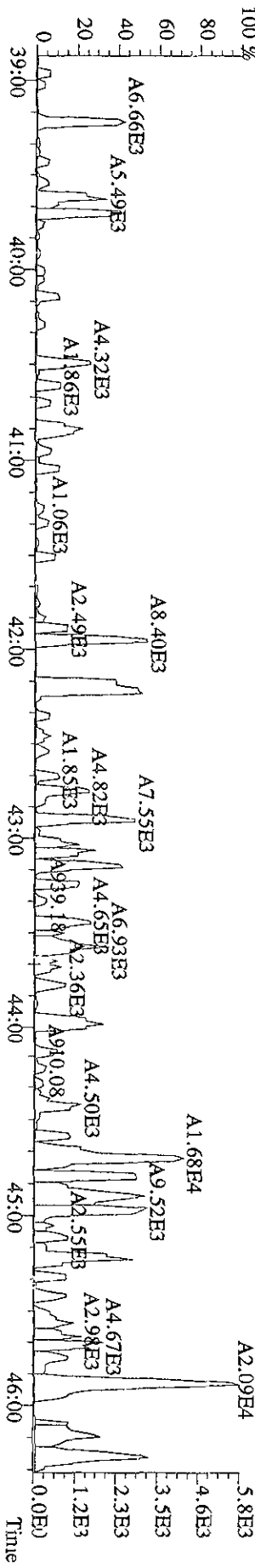
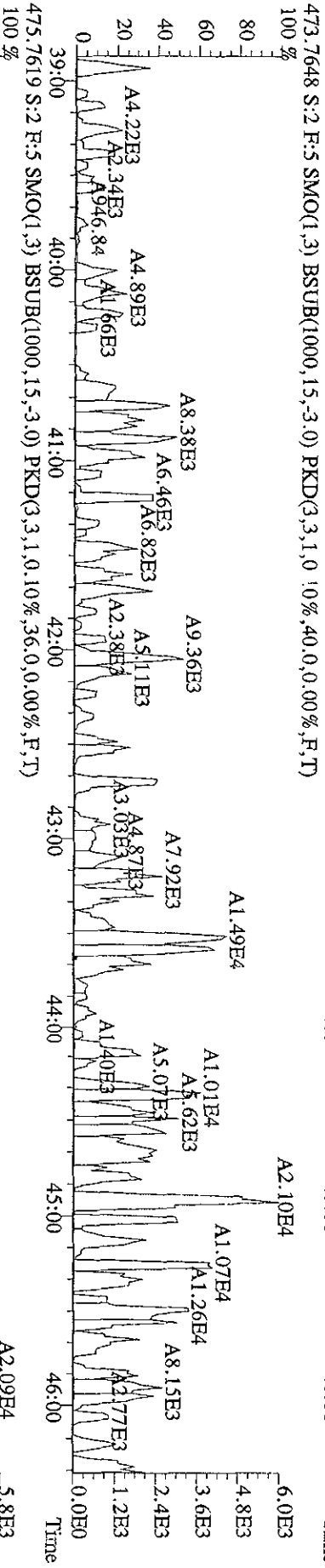
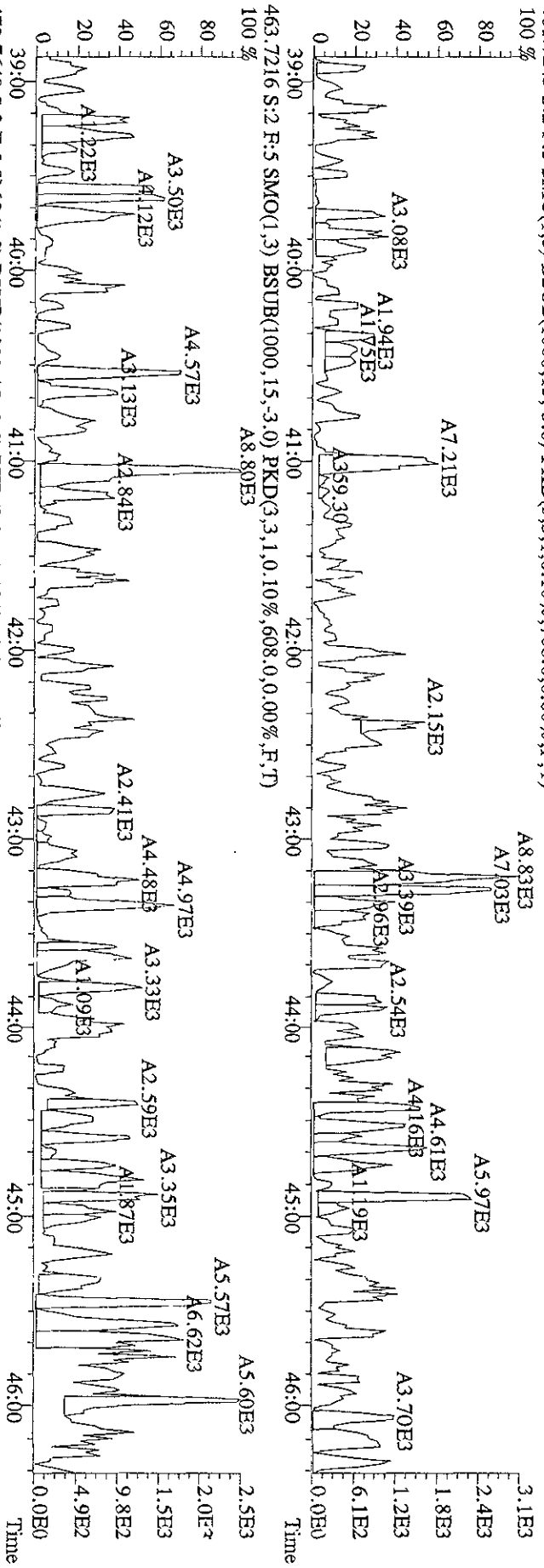
File:22AP099D5 #1-387 Acq:22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-Ultimat  
 Sample#2 Text:SB042A :Solvent Blank C-12 Exp:209D35  
 427.7635 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0 10%,300,0,0.00%,F,T)



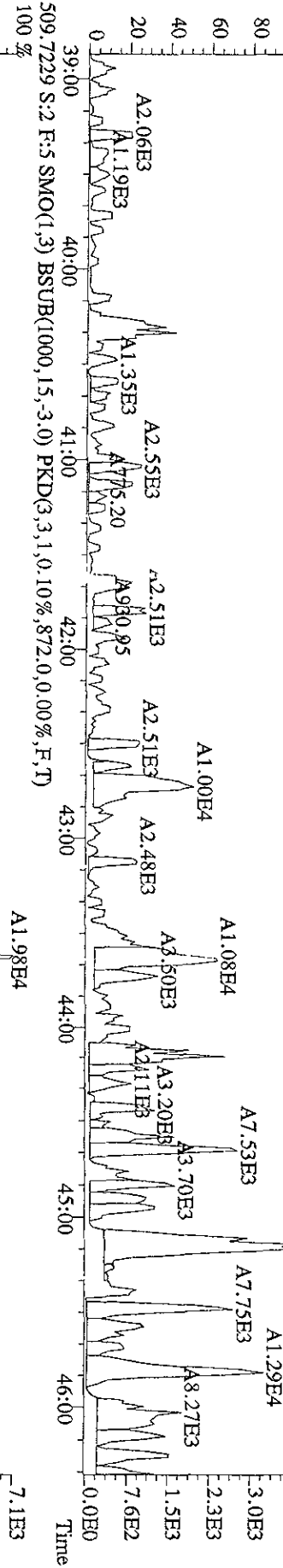
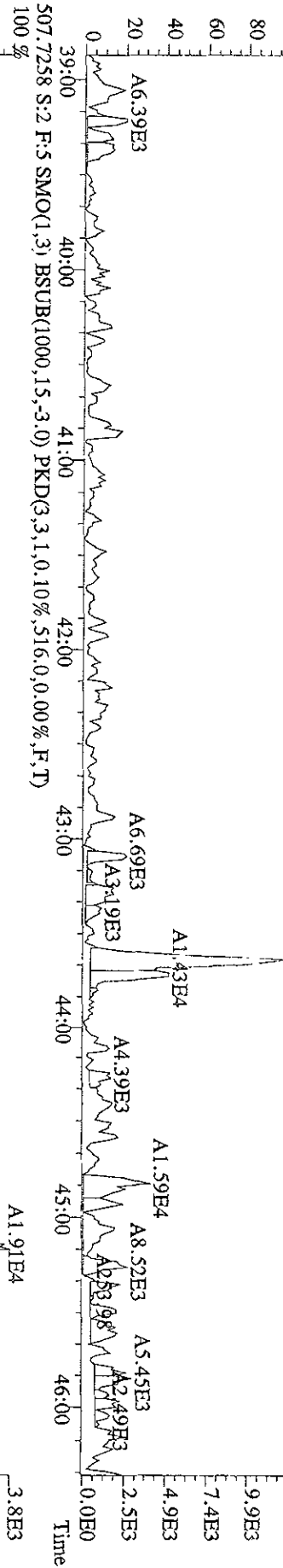
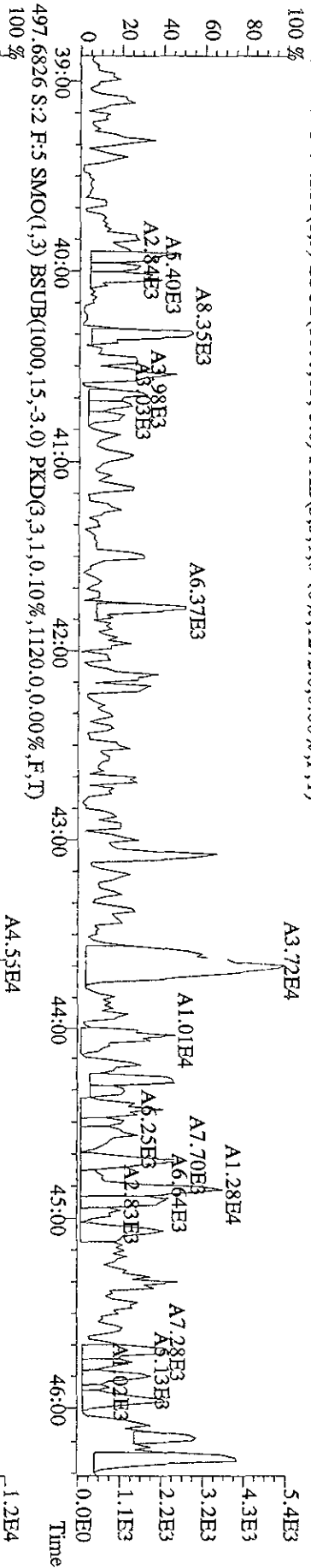
File: 22ADP099D5 #1-497 Acq: 22-APR-2009 13:23:34 GC FI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: SB042A :Solvent Blank C-12 Exp: 209DB5  
 427.7635 S:2 F:5 SMO(1,3) BSUB(1000,15,3.0) PKD(3,3,1,0,10%,972,0,0,00%,F,T)  
 100 %



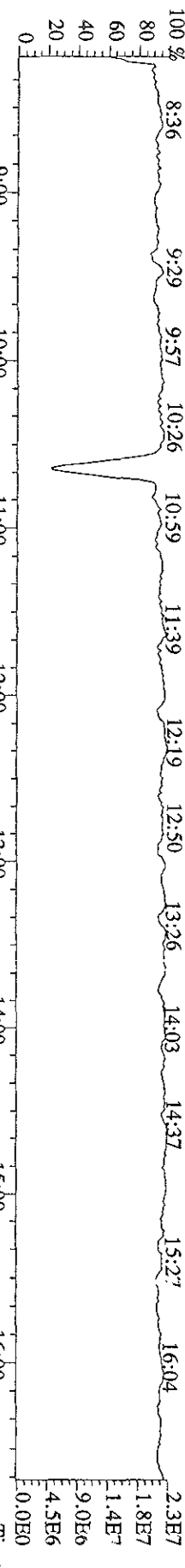
File:22AP099D5 #1-497 Acq:22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#2 Text:SB042A :Solvent Blank C-12 Exp:209DB5  
461.7245 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,708,0,0,00%,F,T)



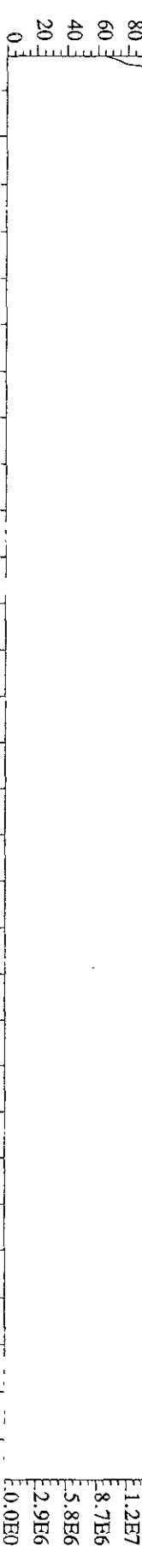
File:22AP099D5 #1-497 Acq:22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#2 Text:SB042A .Solvent Blank C-12 Exp:209D795  
497.6826 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1272.0,0,0,00%,F,T)



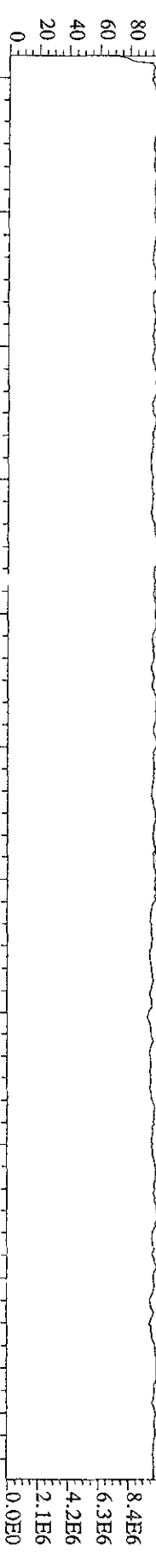
File: 22AP099D5 #1-577 Acq: 22-APR-2009 13:23:34 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text: SB042A :Solvent Blank C-12 Exp: 2091D85  
 218.9856 S:2 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 8:36 9:29 9:57 10:26 10:59 11:39 12:19 12:50 13:26 14:03 14:37 15:27 16:04



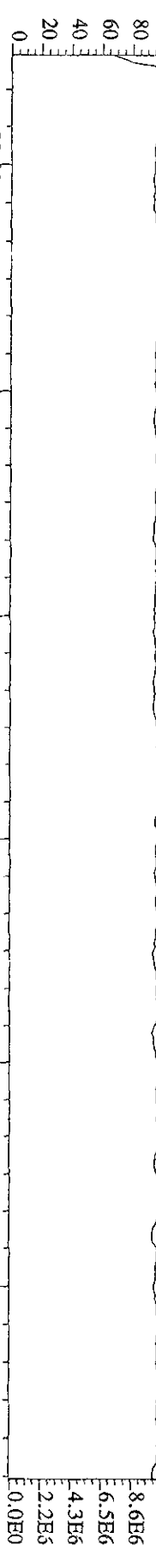
330.9792 S:2 F:2 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 16:53 17:12 17:35 18:04 18:20 18:39 18:57 19:18 19:52 20:15 20:37 20:52 21:12 21:40



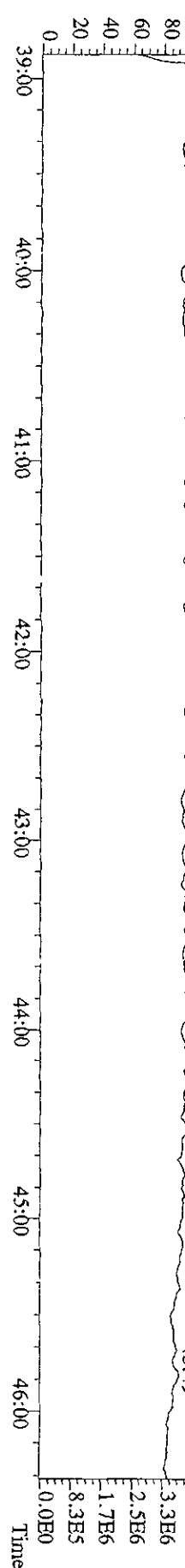
380.9760 S:2 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 22:09 22:57 23:33 24:21 25:30 26:04 27:00 27:59 29:14 29:47 30:33 31:42



380.9760 S:2 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 32:48 33:29 34:03 34:23 34:50 35:09 35:43 36:21 36:47 37:40 38:25



480.9696 S:2 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 39:18 39:52 40:29 40:56 41:19 41:53 42:40 43:09 43:44 44:11 44:46 45:08 45:49



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668m  
 Column ID DB-5  
 STD ID ST0423B  
 Analyzed by KAS, Am  
 Std. Pkg. By SMA  
 Std. Pkg. Reviewed By KSS

Associated ICAL 1668MSL0115099D5  
 Instrument ID 9D5  
 STD Solution 09DXN016  
 Date Analyzed 4-23-09 <sup>24 4/24/09 KSS</sup>  
 Date Std. Pkg. Assembled 4-24-09  
 Date Std. Pkg. Reviewed 4/24/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.  
 Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
 Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0423B

File text: ST0423B :CS3 09DXN016

Run #6 Filename 23AP099D5 S: 17

I: 1

Acquired: 24-APR-09 03:27:22

Processed: 24-APR-09 09:05:15

Run: 23AP099D5 Analyte: 1668MSL

Cal: 1668MSL0115099D5 Results: 23AP099D51668MSL

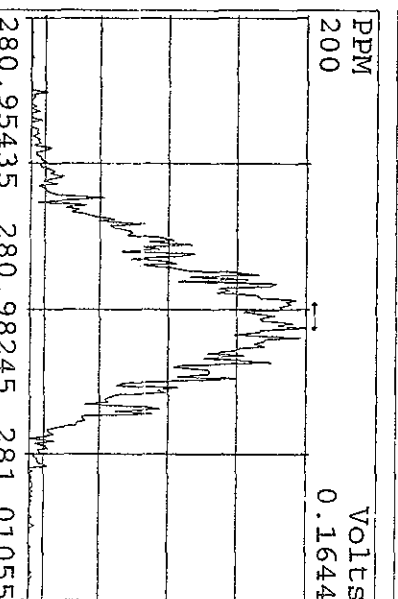
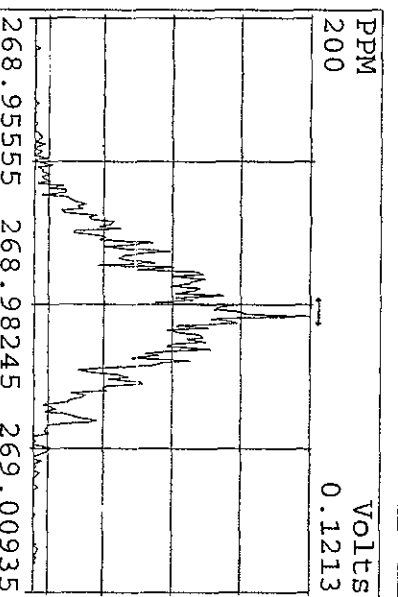
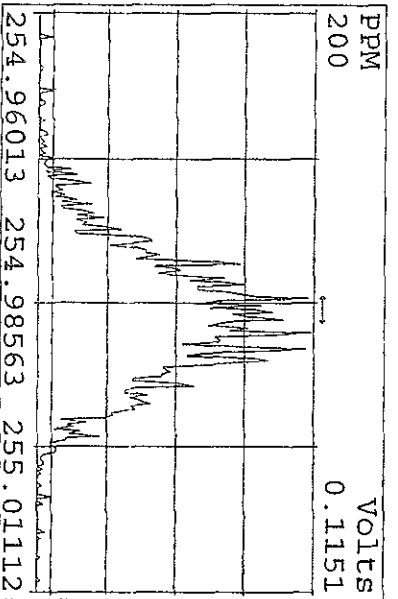
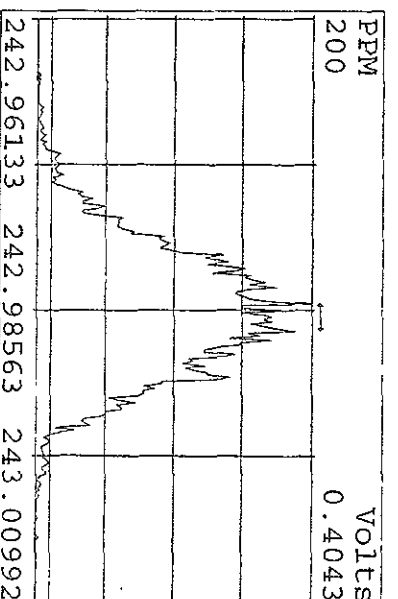
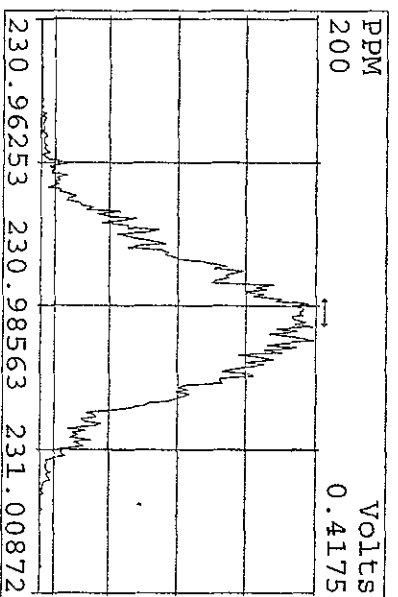
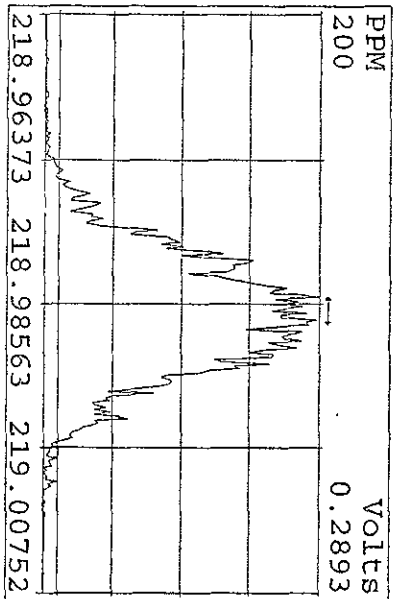
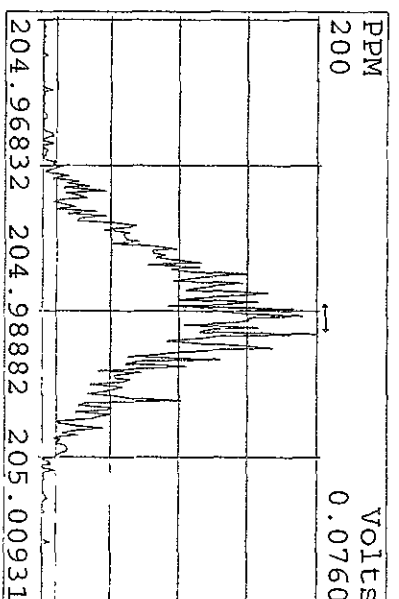
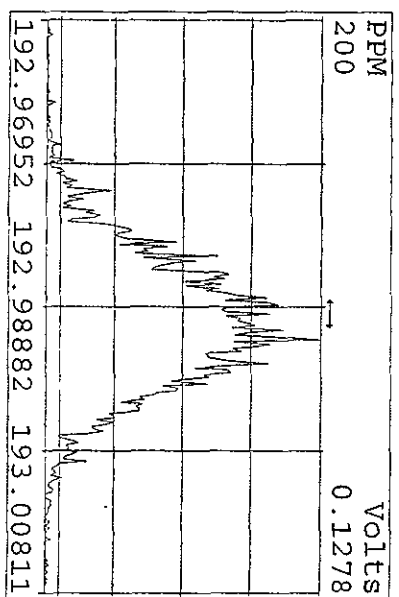
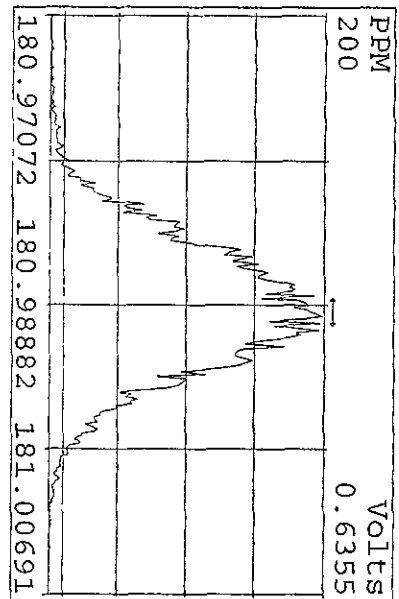
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	217150700	0.67 y	24:46	-	100.00	-	n
13C-TCB-81	240176000	0.78 y	26:19	1.11	100.00	16.8	n
TCB-81	156663100	0.81 y	26:20	1.30	50.00	2.1	n
13C-TCB-77	249959000	0.80 y	26:53	1.15	100.00	17.2	n
TCB-77	148354500	0.80 y	26:54	1.19	50.00	7.6	n
13C-PeCB-123	211495900	0.69 y	28:15	0.97	100.00	11.8	n
PeCB-123	161984600	0.61 y	28:16	1.53	50.00	1.5	n
13C-PeCB-118	215744600	0.69 y	28:24	0.99	100.00	0.9	n
PeCB-118/106	168464800	0.62 y	28:25	1.56	50.00	2.2	n
13C-PeCB-114	225188000	0.69 y	29:02	1.04	100.00	7.3	n
PeCB-114	183160600	0.61 y	29:03	1.63	50.00	2.6	n
13C-PeCB-105	218798800	0.69 y	29:54	1.01	100.00	12.3	n
PeCB-105/127	156011500	0.61 y	29:56	1.43	50.00	0.3	n
13C-PeCB-126	232762600	0.68 y	31:48	1.07	100.00	17.6	n
PeCB-126	144346500	0.62 y	31:49	1.24	50.00	5.7	n
13C-OcCB-202	274402000	0.89 y	34:05	-	100.00	-	n
13C-HxCB-167	265244000	1.28 y	32:56	0.97	100.00	14.9	n
HxCB-167	151025700	1.28 y	32:56	1.14	50.00	-2.6	n
13C-HxCB-156	220990100	1.29 y	34:14	0.81	100.00	20.2	n
HxCB-156	164484400	1.27 y	34:15	1.49	50.00	2.5	n
13C-HxCB-157	229717000	1.27 y	34:33	0.84	100.00	18.4	n
HxCB-157	170348800	1.26 y	34:34	1.48	50.00	2.5	n
13C-HxCB-169	254005000	1.28 y	36:23	0.93	100.00	26.2	n
HxCB-169	131388500	1.27 y	36:24	1.03	50.00	4.6	n
13C-HpCB-180	185897000	1.03 y	35:11	0.68	100.00	15.9	n
HpCB-180	122897900	1.11 y	35:12	1.32	50.00	4.5	n
13C-HpCB-170	153608800	1.03 y	36:50	0.56	100.00	18.0	n
HpCB-170/190	127298100	1.12 y	36:52	1.66	50.00	3.2	n
13C-HpCB-189	205645000	1.02 y	38:28	0.75	100.00	25.2	n
HpCB-189	133194400	1.10 y	38:29	1.30	50.00	7.4	n
13C-PeCB-111	276671000	0.68 y	26:13	1.25	100.00	-8.0	n



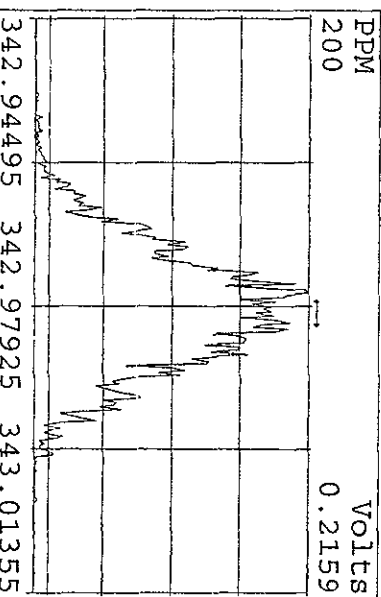
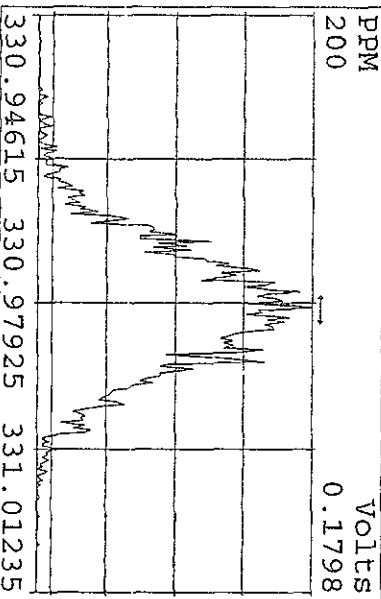
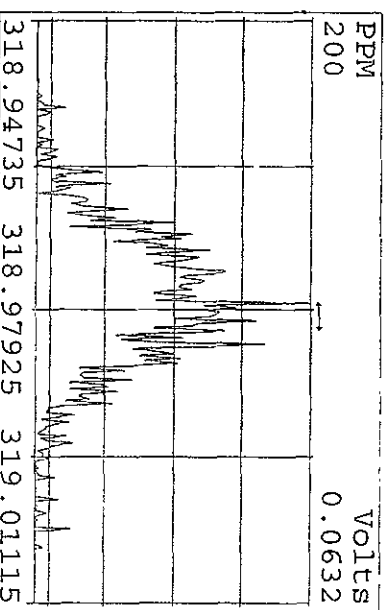
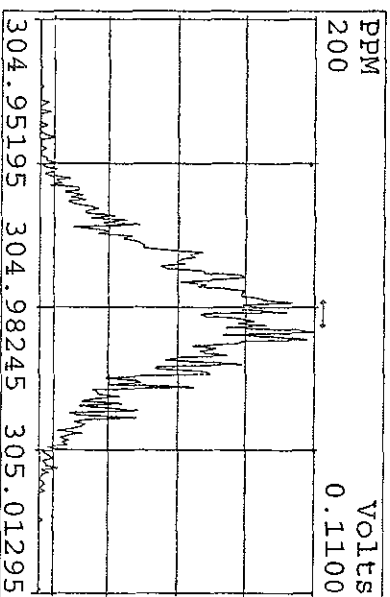
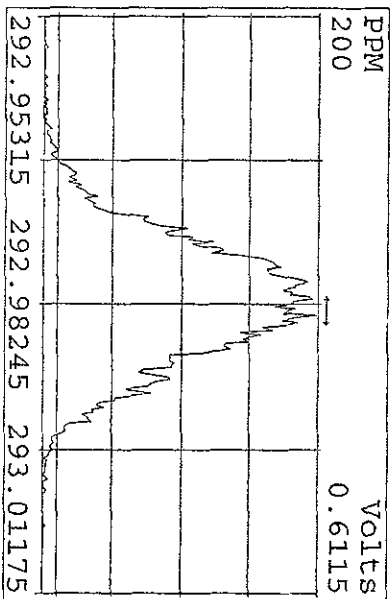
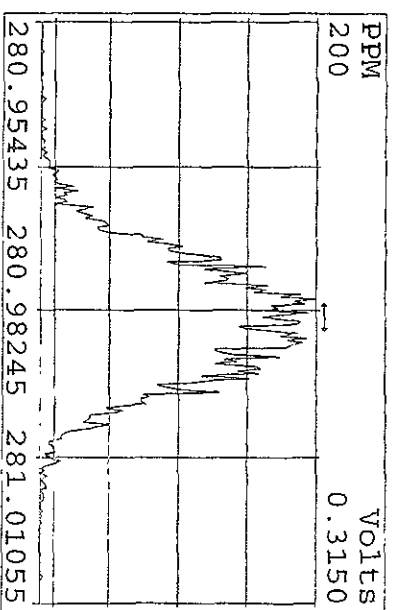
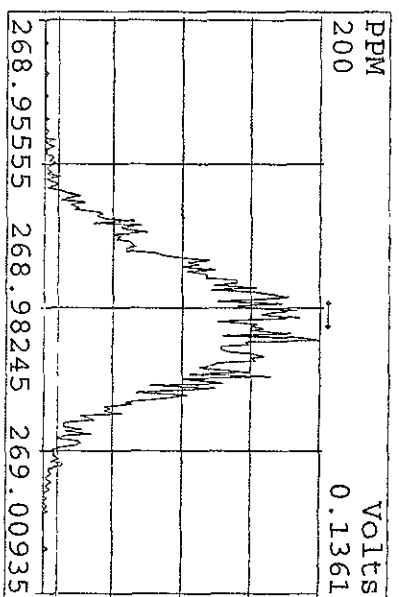
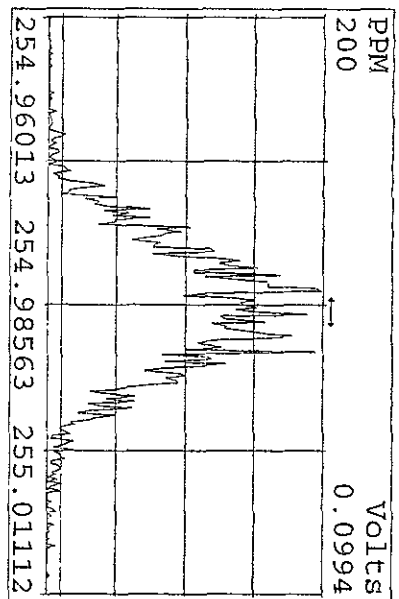
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
23AP099D5	1	ST0423	CS3 09DXN016				1.00000	
23AP099D5	2	XP041309A	XAD/PUF QC 041309-1	20	1668/XAD/PUF	26	1.00000	
23AP099D5	3	XP041309B	XAD/PUF QC 041309-2	20	1668/XAD/PUF		1.00000	
23AP099D5	4	SB0423	Solvent Blank C-12				1.00000	
23AP099D5	5	ST0423A	209PCB 3249-47				1.00000	
23AP099D5	6	SB0423A	Solvent Blank C-12				1.00000	
23AP099D5	7	LAF6V-1-AA	G9D210000-351B	20	1668/WATER	30	1.00000	L
23AP099D5	8	LAF6V-1-AC	G9D210000-351C	20	1668/WATER		1.00000	L
23AP099D5	9	K99T3-1-CW	F9D170232-1	20	1668/WATER		1.06880	L
23AP099D5	10	K77NX-3-AA	G9C070164-1RX	20	1668/WATER		0.95350	L
23AP099D5	11	K77N0-3-AA	G9C070164-2RX	20	1668/WATER		0.98270	L
23AP099D5	12	K80EW-1-AA	G9C210190-1	20	1668/WATER		0.92810	L
23AP099D5	13	K80EX-1-AA	G9C210190-2	20	1668/WATER		0.92940	L
23AP099D5	14	K80E0-1-AA	G9C210190-3	20	1668/WATER		0.93960	L
23AP099D5	15	K90XM-1-AA	G9D100310-1	20	1668/WATER		0.98490	L
23AP099D5	16	SB0423B	Solvent Blank C-12				1.00000	
23AP099D5	17	ST0423B	CS3 09DXN016				1.00000	
23AP099D5	18	SB0423C	Solvent Blank C-12				1.00000	
23AP099D5	19	K9LD8-1-AC	G9D030338-7 (5X)	20	1668/SOLID	28	10.09000	g
23AP099D5	20	K9LD9-1-AC	G9D030338-8 (5X)	20	1668/SOLID		10.26000	g
23AP099D5	21	K80EW-1-AA	G9C210190-1 RI	20	1668/WATER		0.92810	L
23AP099D5	22	K80EX-1-AA	G9C210190-2 RI	20	1668/WATER		0.92940	L
23AP099D5	23	K80E0-1-AA	G9C210190-3 RI	20	1668/WATER		0.93960	L
23AP099D5	24	K99T3-1-CW	F9D170232-1 RI	20	1668/WATER		1.06880	L
23AP099D5	25						1.00000	
23AP099D5	26						1.00000	
23AP099D5	27						1.00000	
23AP099D5	28						1.00000	
23AP099D5	29						1.00000	
23AP099D5	30		KAS, AM 04-23-09				1.00000	
23AP099D5	31						1.00000	

*Logfile  
4/24/09  
LWS*

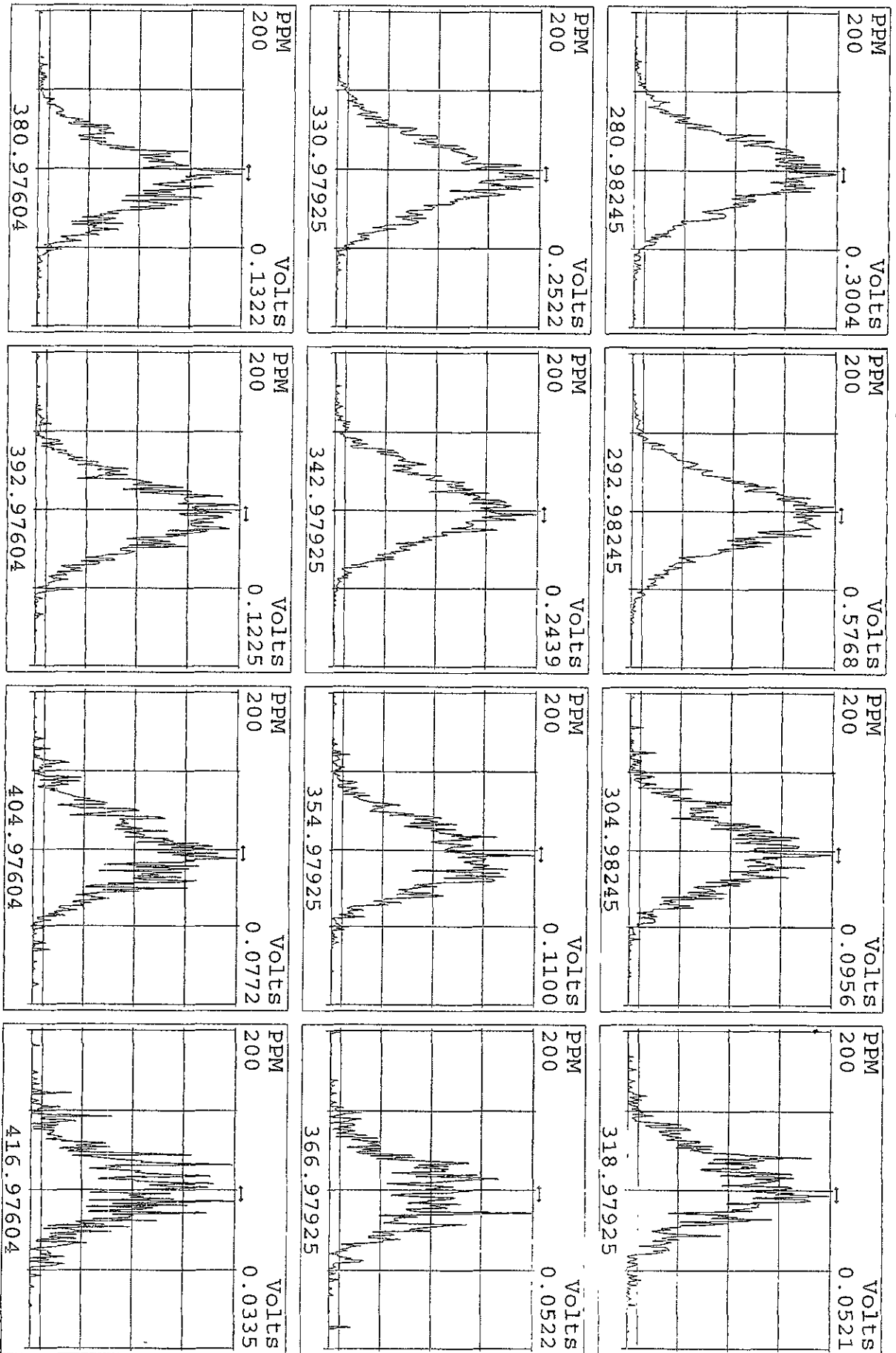
Peak Locate Examination: 23-APR-2009:13:43 File: 23AP099D5  
 Experiment: 209DB5 Function: 1 Reference: PKF



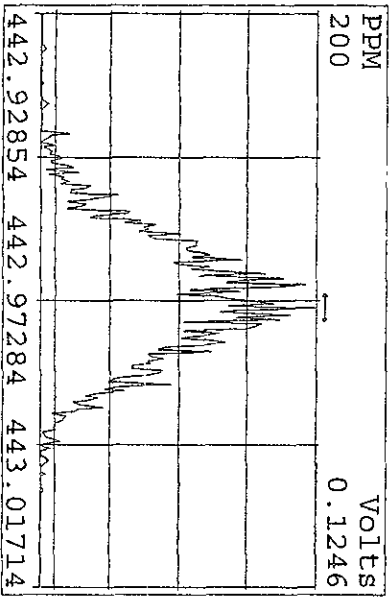
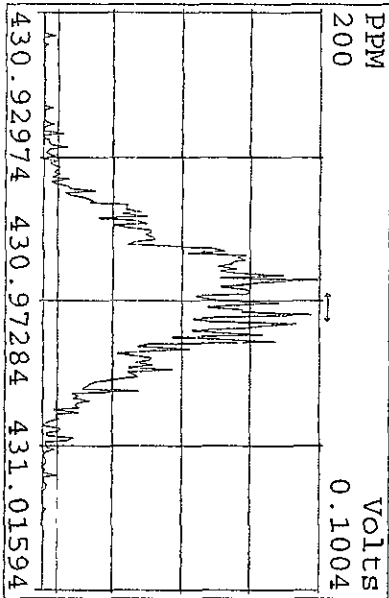
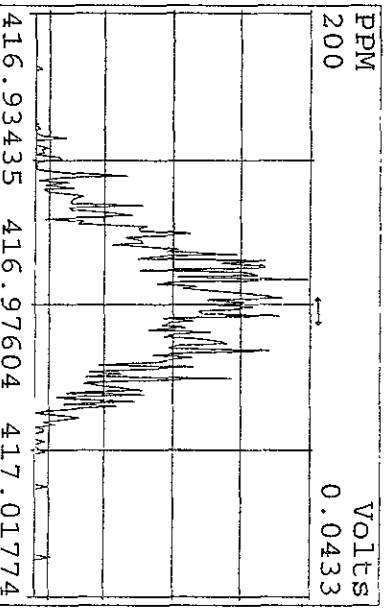
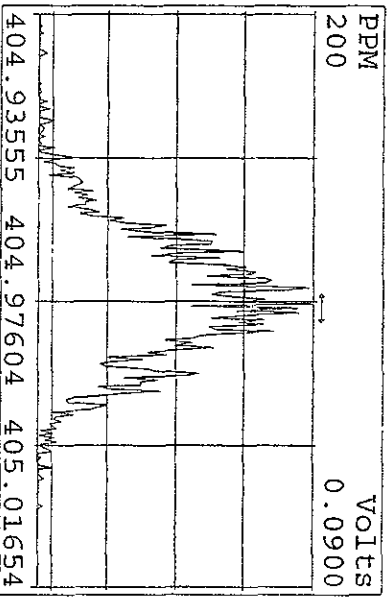
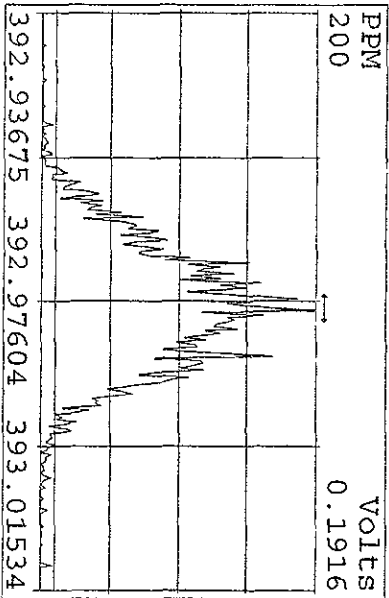
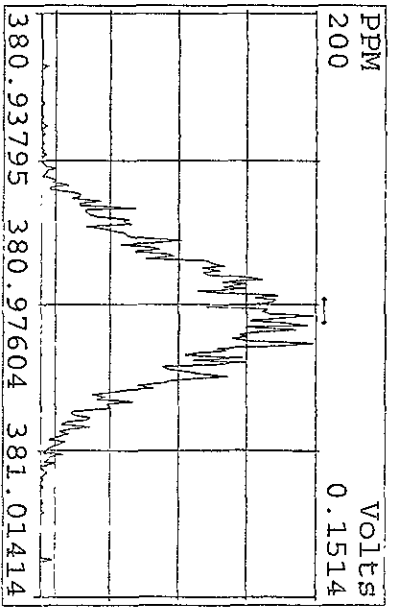
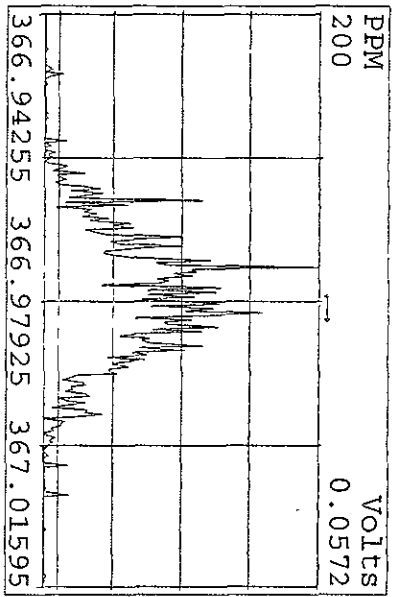
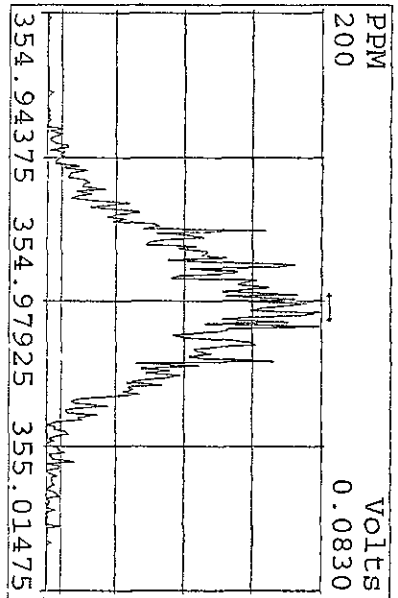
Peak Locate Examination: 23-APR-2009:13:43 File: 23AP099D5  
 Experiment: 209DB5 Function: 2 Reference: PRK



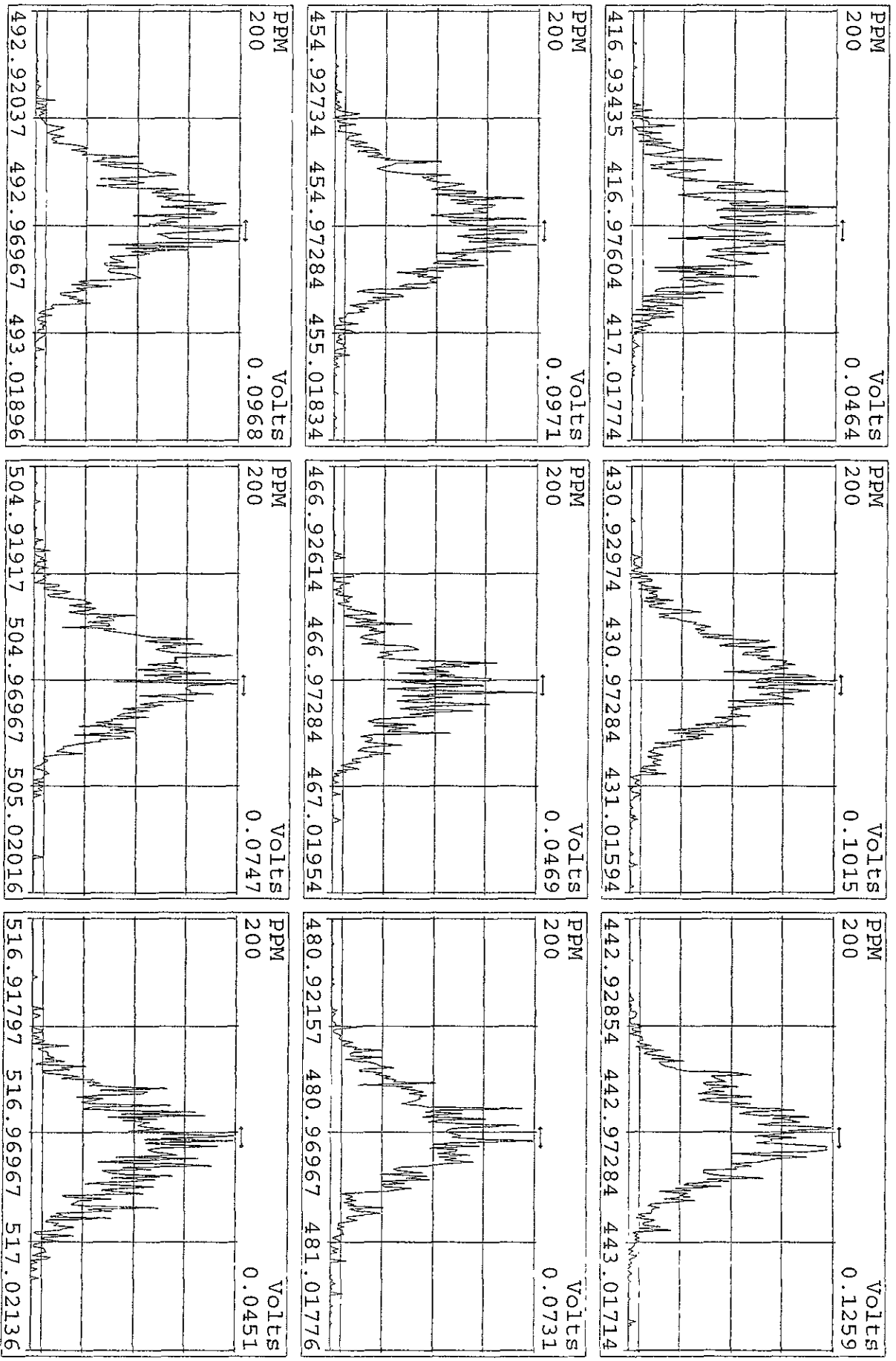
Peak Locate Examination: 23-APR-2009: 13:44 File: 23AP099D5  
Experiment: 209DB5 Function: 3 Reference: PFK



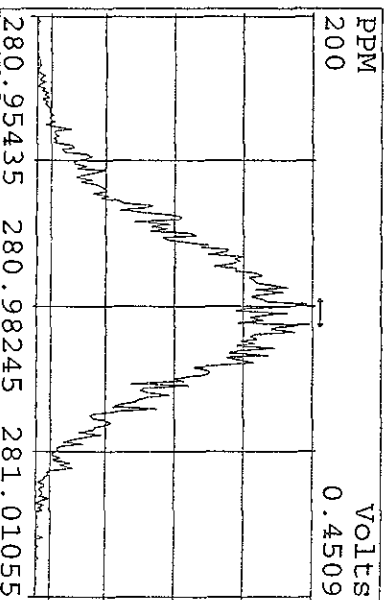
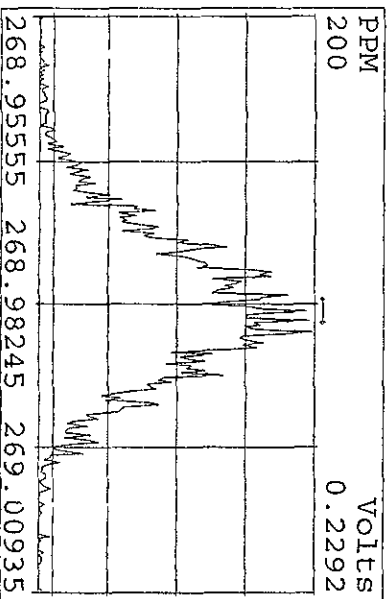
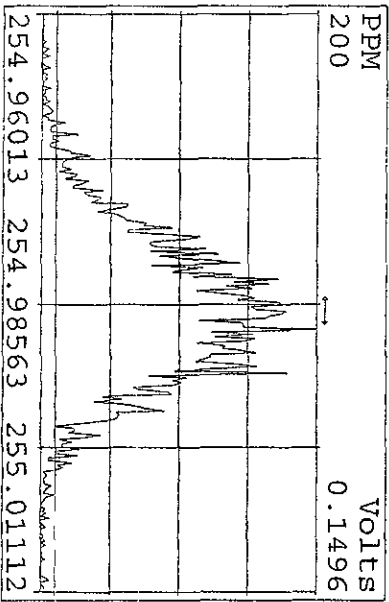
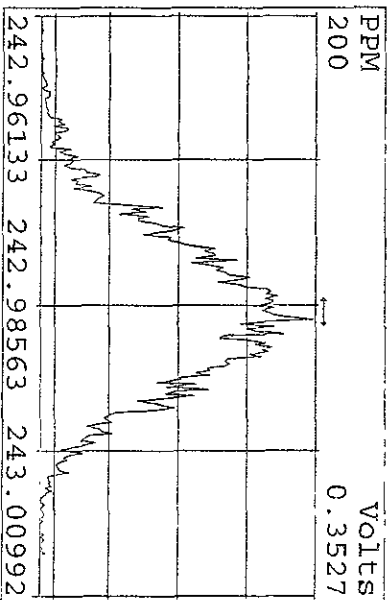
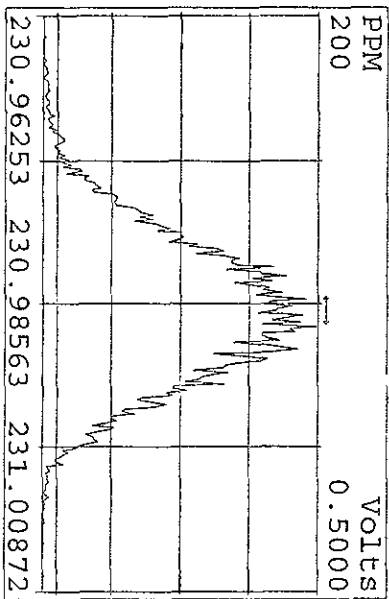
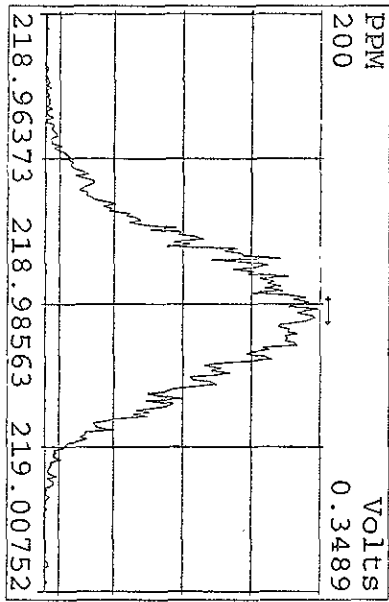
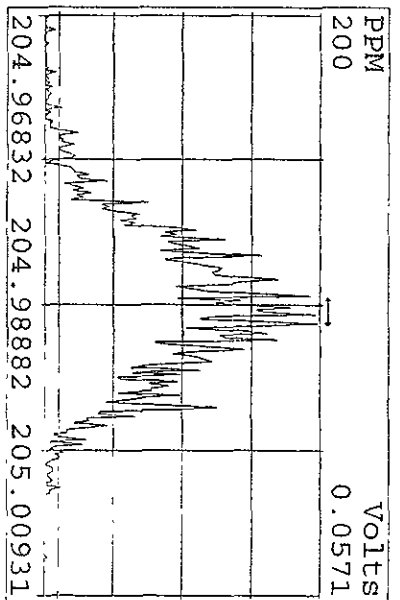
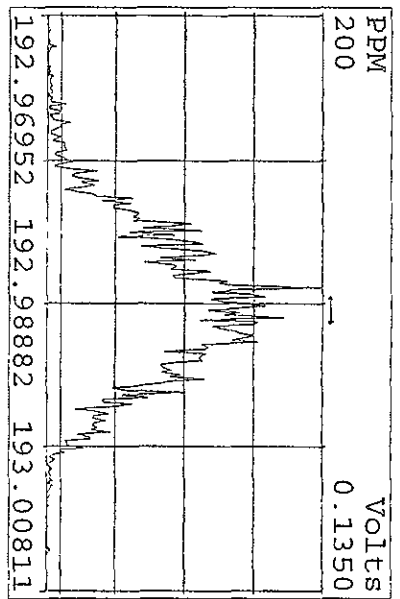
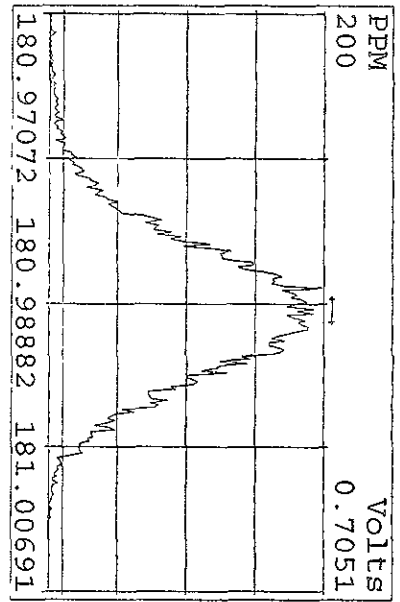
Peak Locate Examination: 23-APR-2009:13:44 File: 23AP099D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



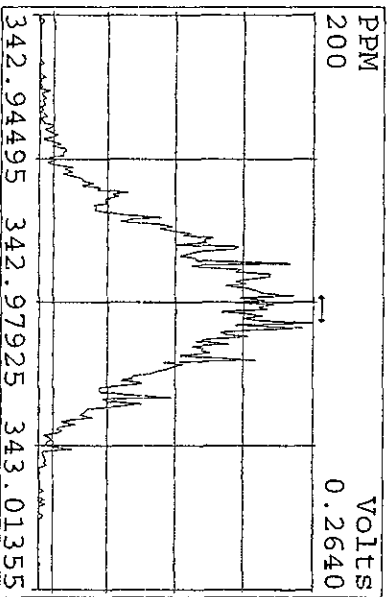
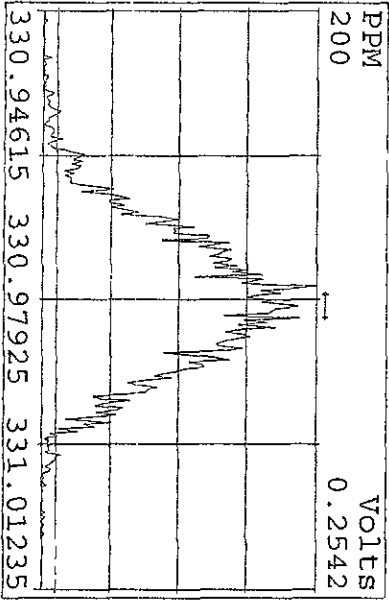
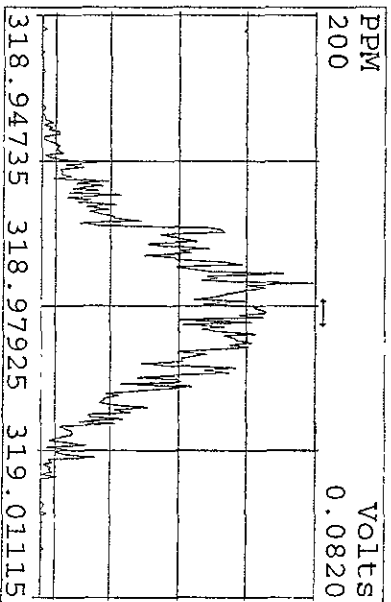
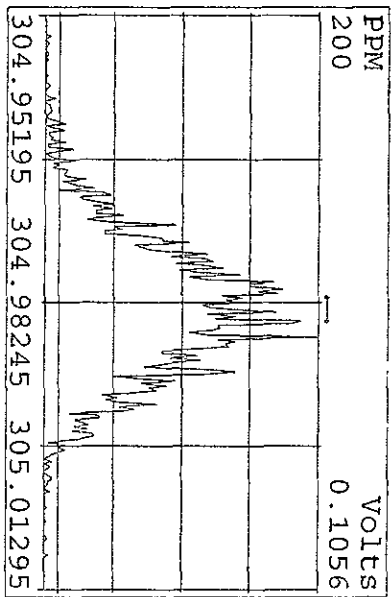
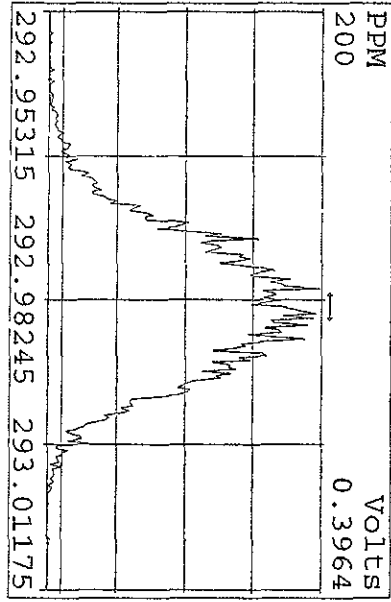
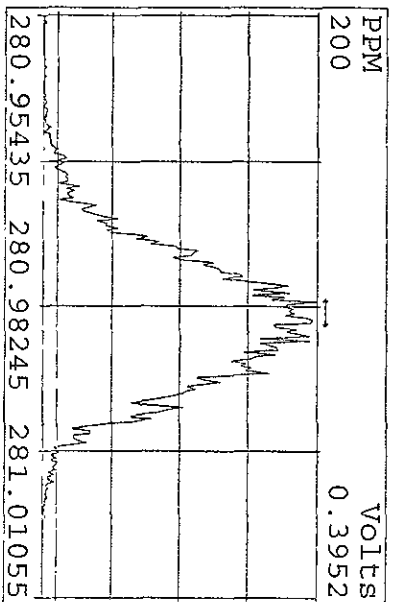
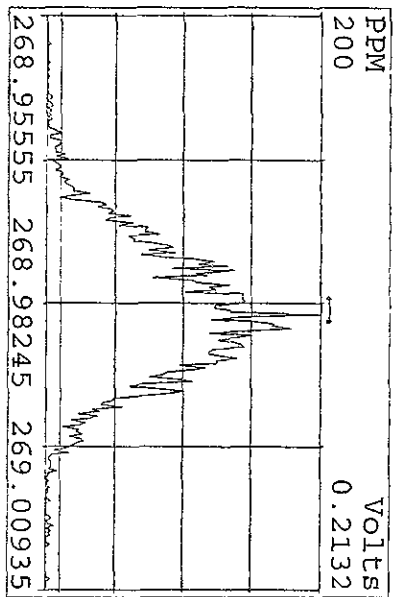
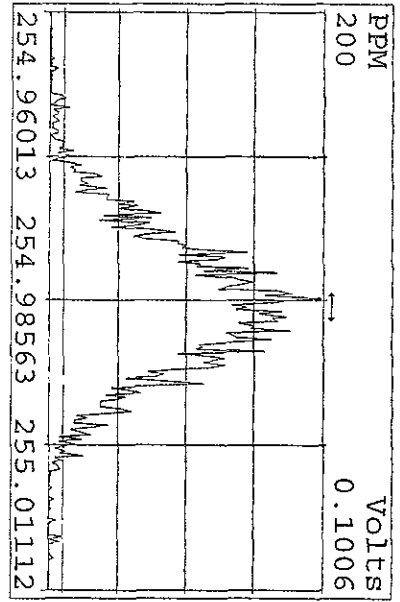
Peak Locate Examination: 23-APR-2009:13:45 File: 23AP099D5  
Experiment: 209DB5 Function: 5 Reference: PK



Peak Locate Examination: 24-APR-2009:13:07 File: 23AP099D5ENDRES  
 Experiment: 209DB5 Function: 1 Reference: PFK

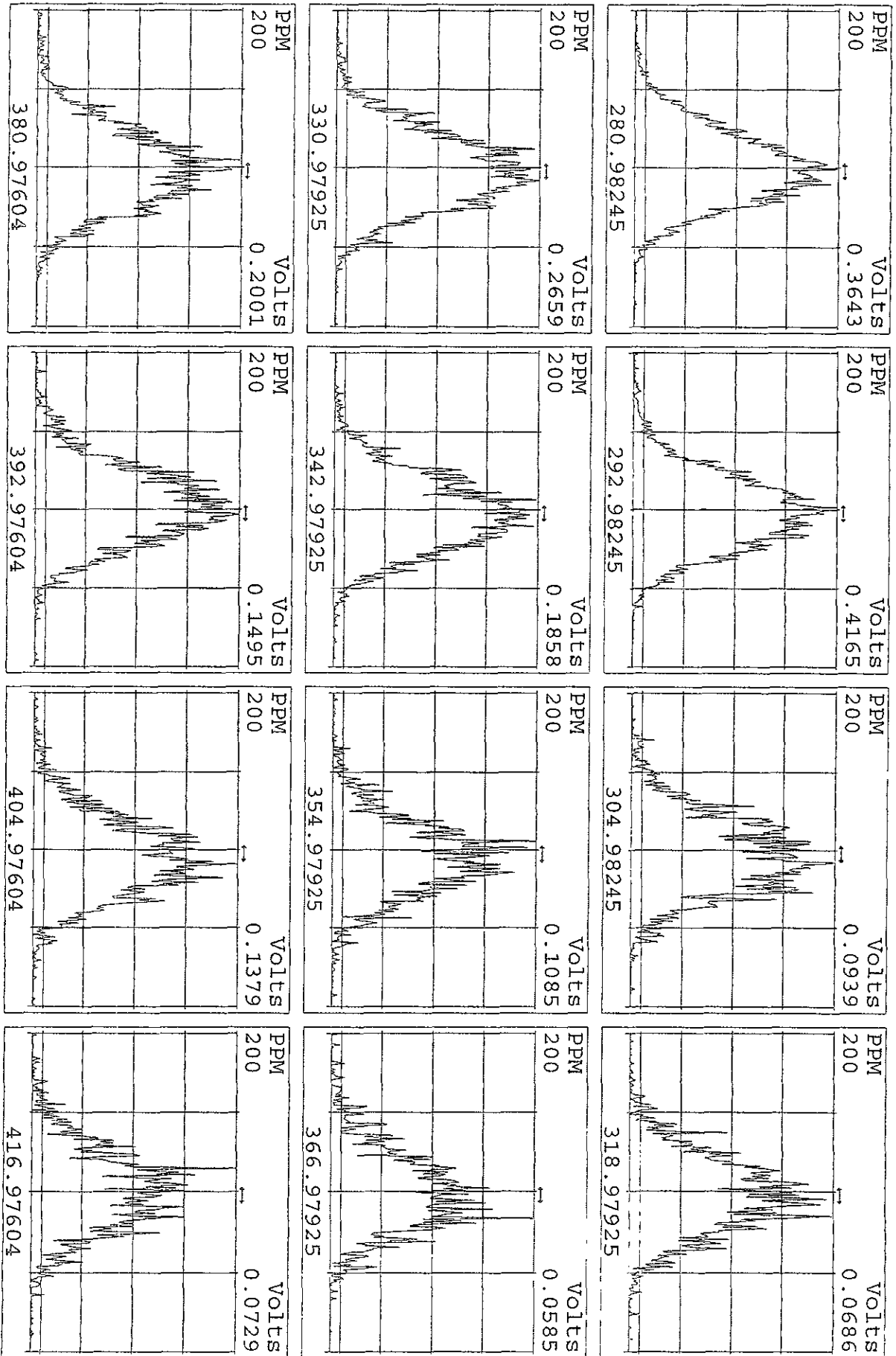


Peak Locate Examination: 24-APR-2009:13:09 File: 23AP099D5ENDRES  
 Experiment: 209DB5 Function: 2 Reference: PRK

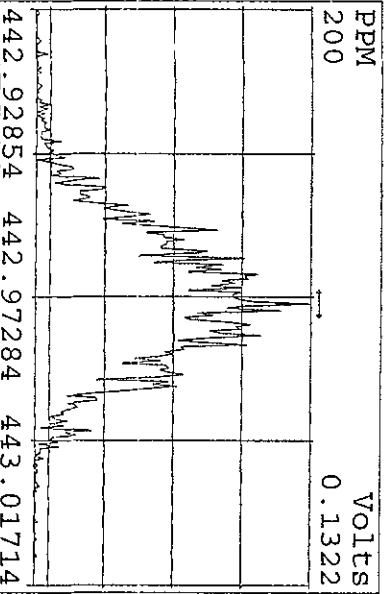
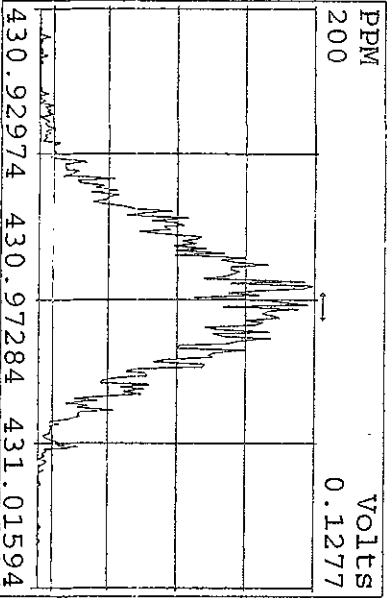
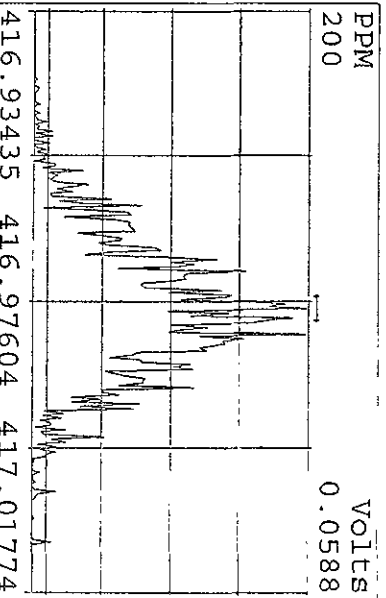
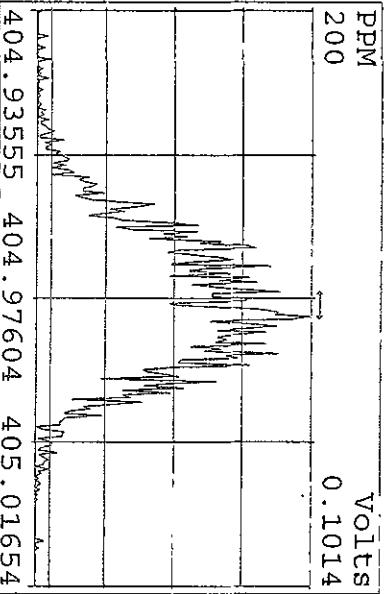
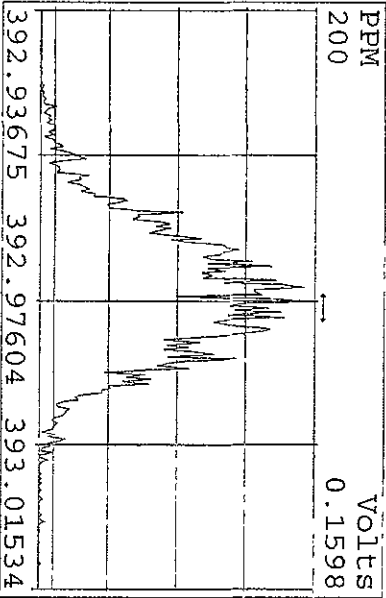
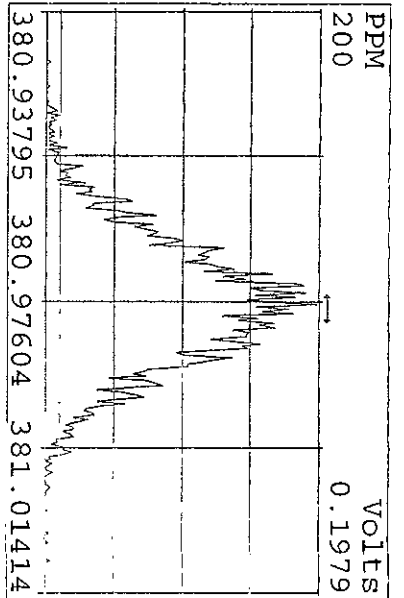
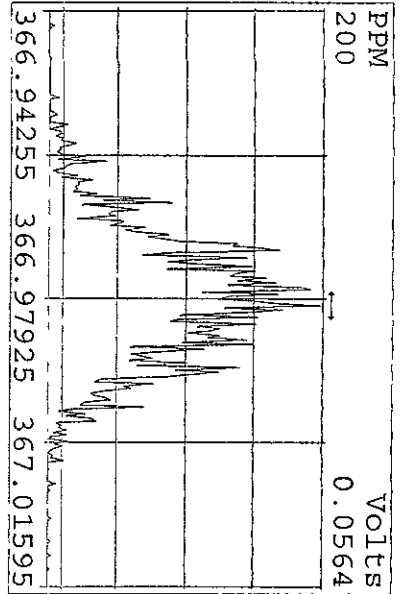
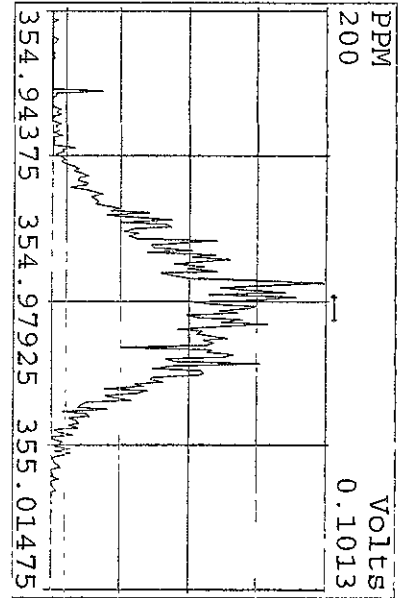




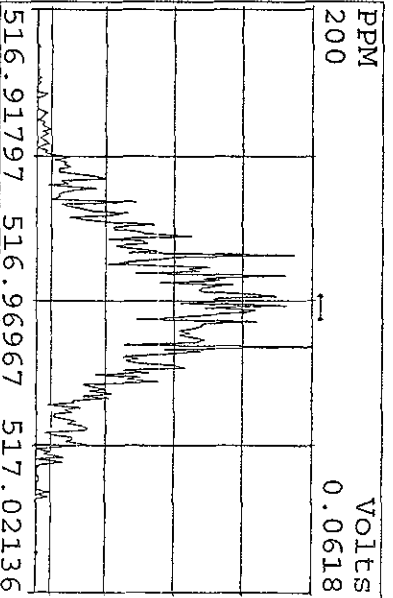
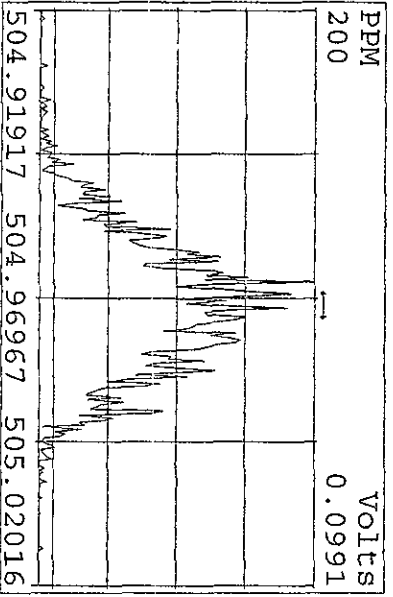
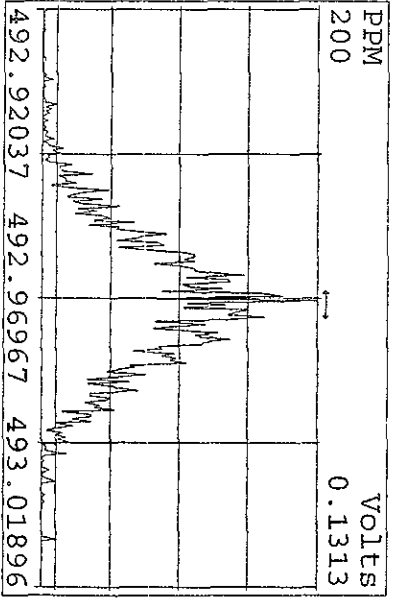
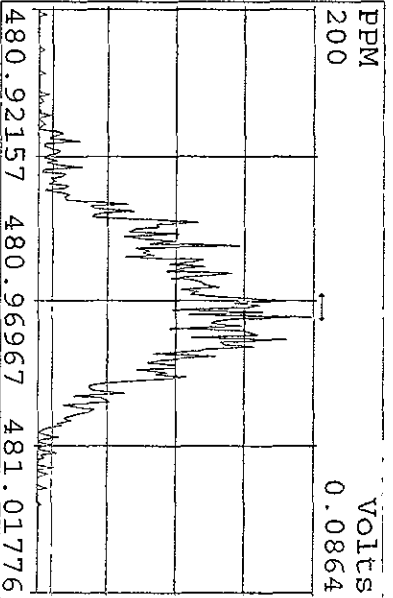
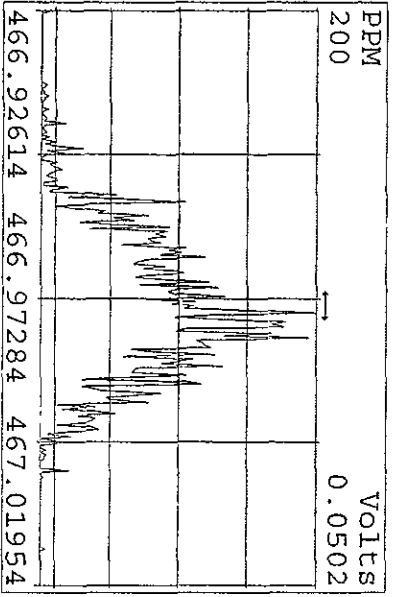
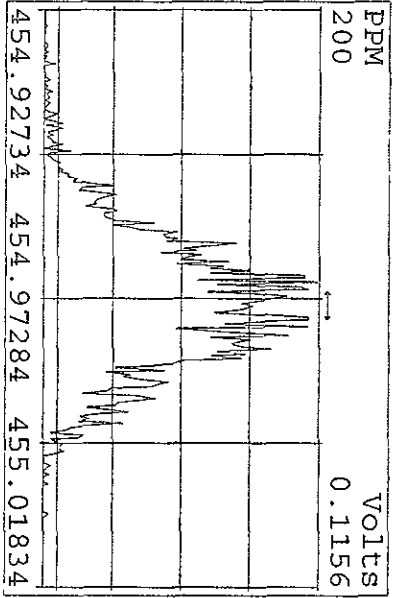
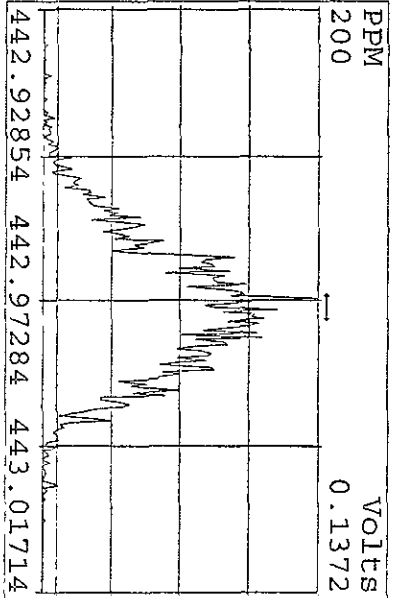
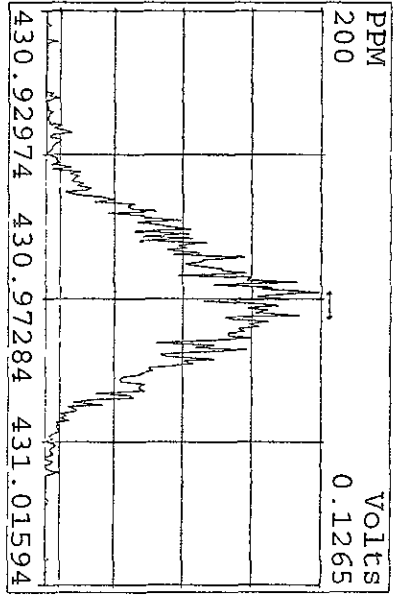
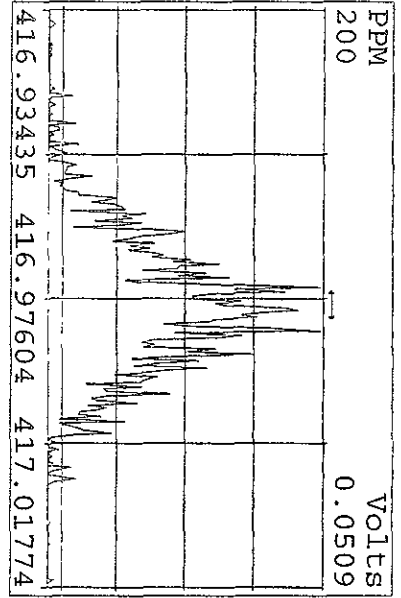
Peak Locate Examination: 24-APR-2009: 13:10 File: 23AP099D5ENDRES  
Experiment: 209DB5 Function: 3 Reference: PFK



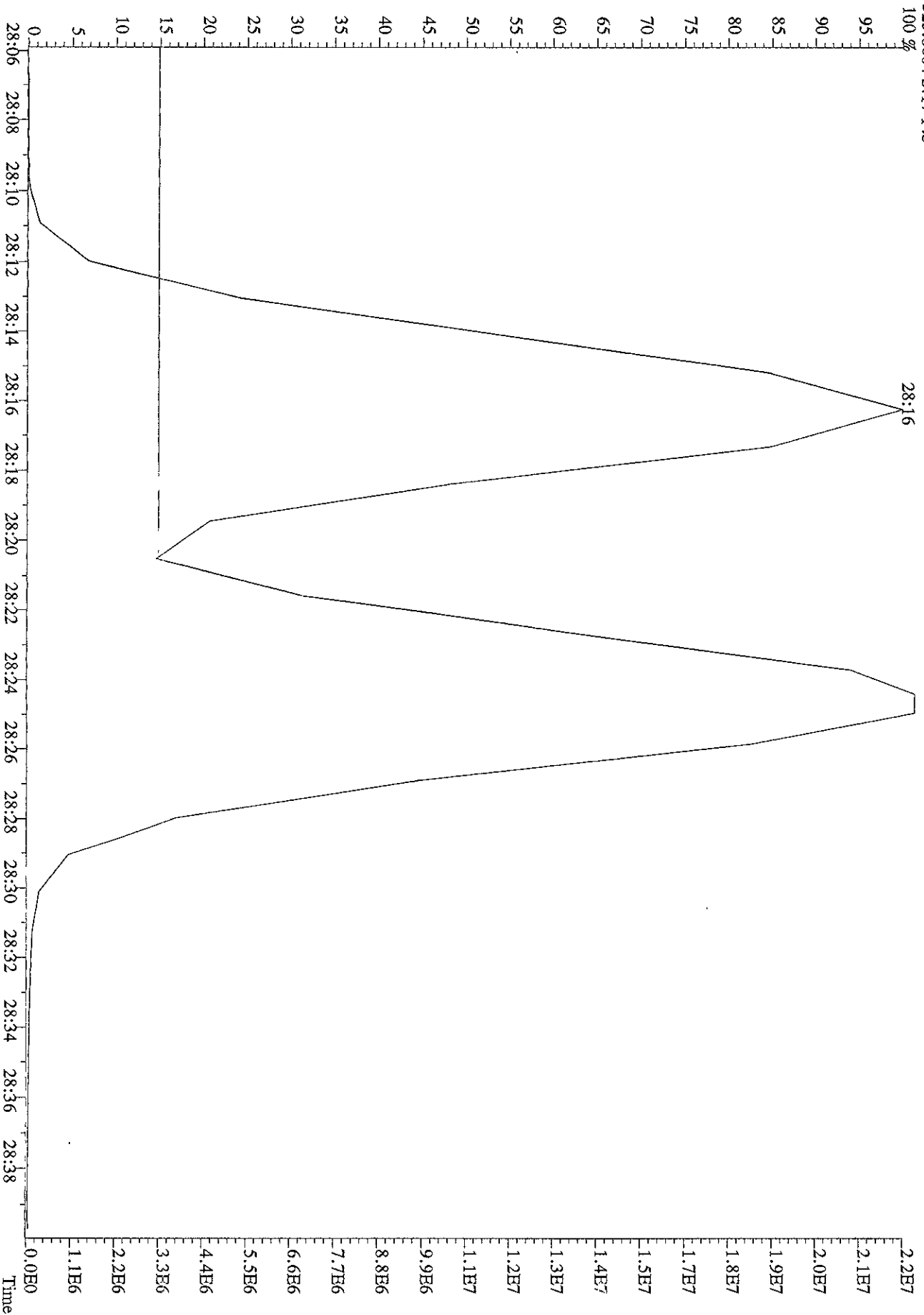
Peak Locate Examination: 24-APR-2009: 13:10 File: 23AP099D5ENDRES  
 Experiment: 209DB5 Function: 4 Reference: PRK



Peak Locate Examination: 24-APR-2009:13:12 File: 23AP099D5ENDRES  
 Experiment: 209DB5 Function: 5 Reference: PFK



File:23AP099D5 #1-600 Acq:24-APR-2009 03:27:22 GC EI + Voltage SIR Autospec-Ultimate  
Sample#17 Text:ST0423B :CS3 09DXN016 Exp:209DB5  
325.8804 S:17 F:3



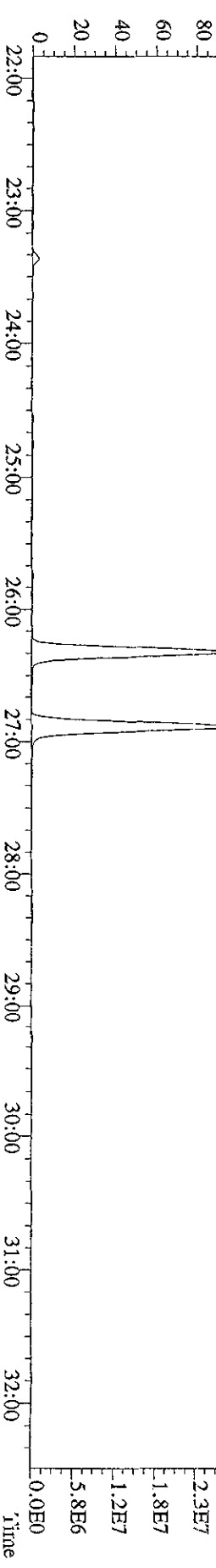
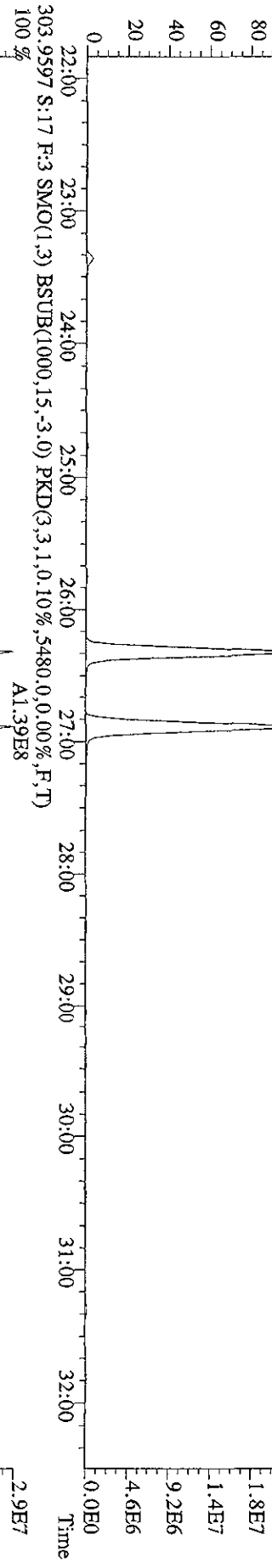
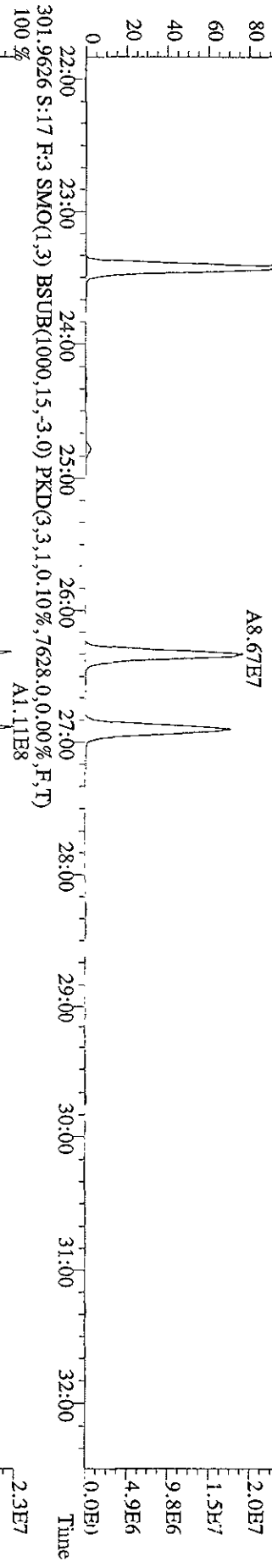
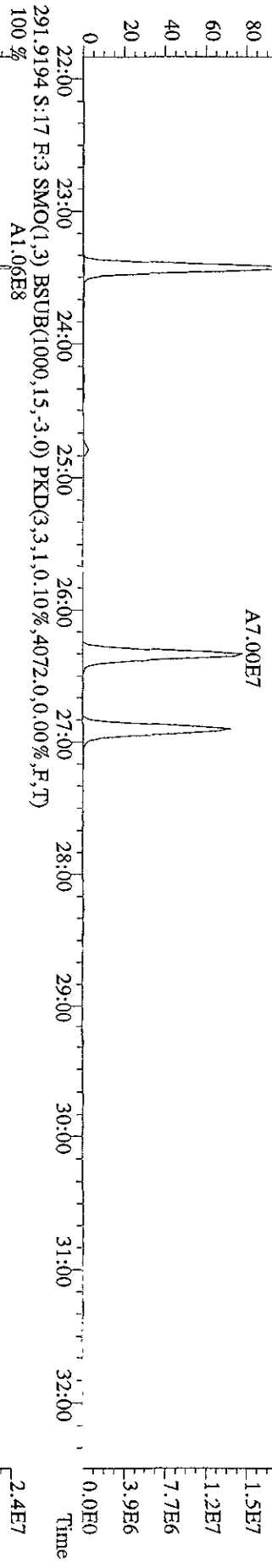
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 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PecB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PecB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PecB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PecB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PecB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PecB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PecB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PecB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PecB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PecB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-PeCB-111	1.362	0.054	3.98 %	1.40	1.39	1.37	1.39	1.27

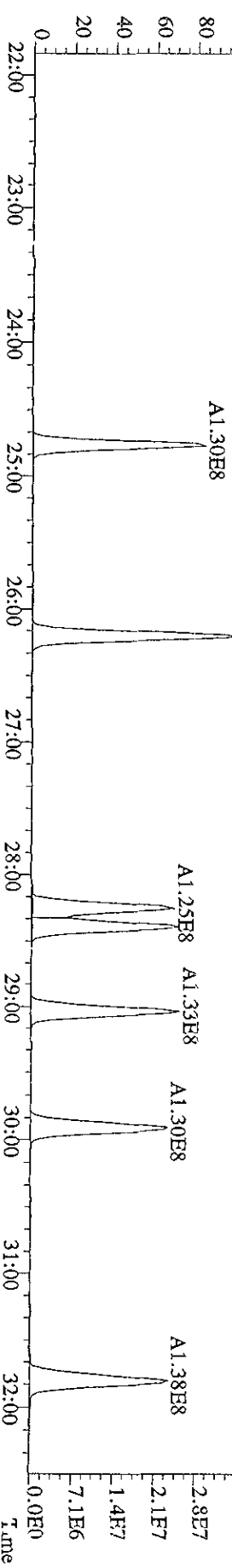
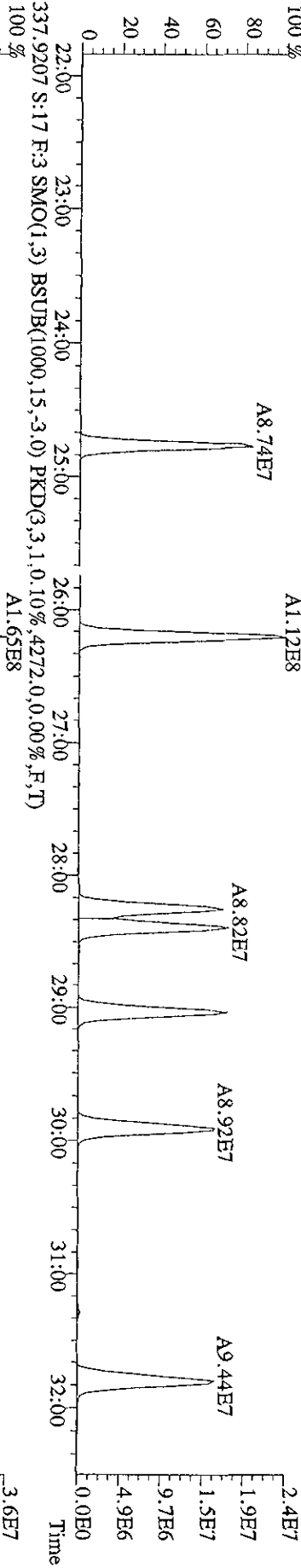
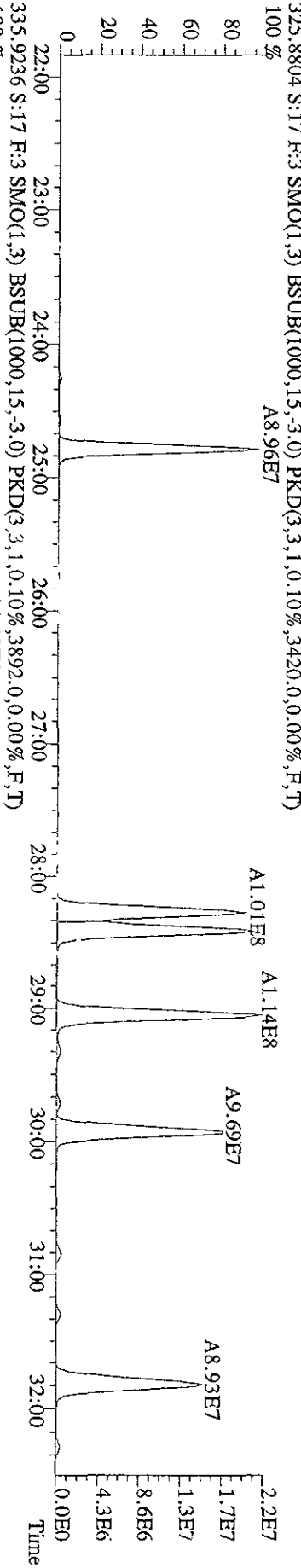
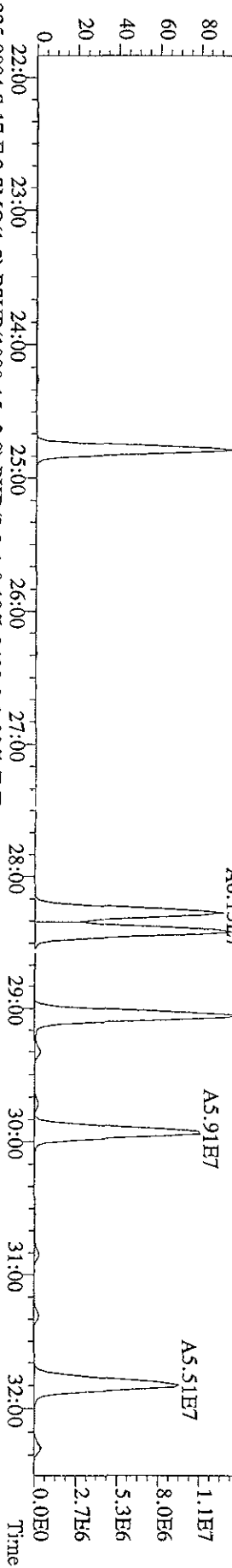
File:23AP099D5 #1-600 Acq:24-APR-2009 03:27:22 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#17 Text:ST0423B :CSS 09DXN016 Exp:209DB5  
 289.9224 S:17 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,3500,0,0.00%,F,T)  
 100% A8.44E7



File:23AP099D5 #1-600 Acq:24-APR-2009 03:27:22 GC EI+ Voltage SIR Autospec-Ultimate

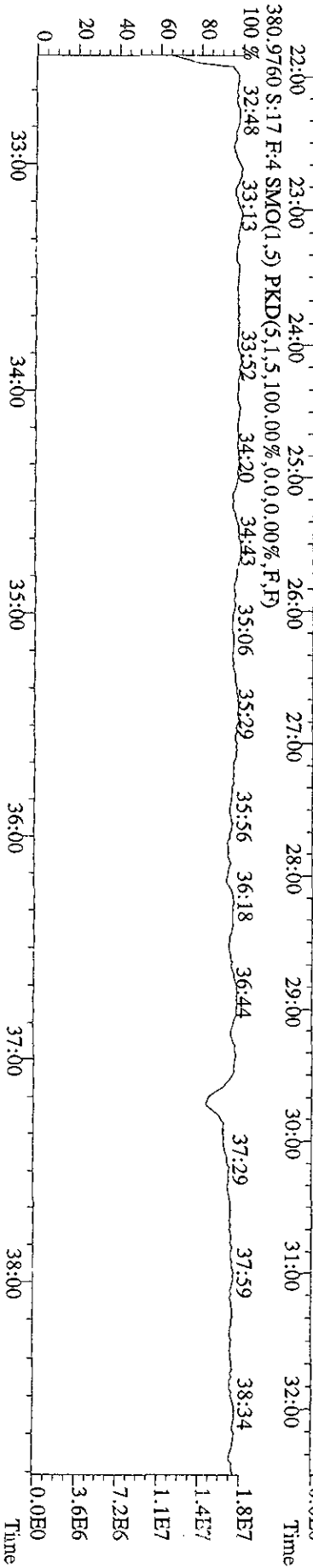
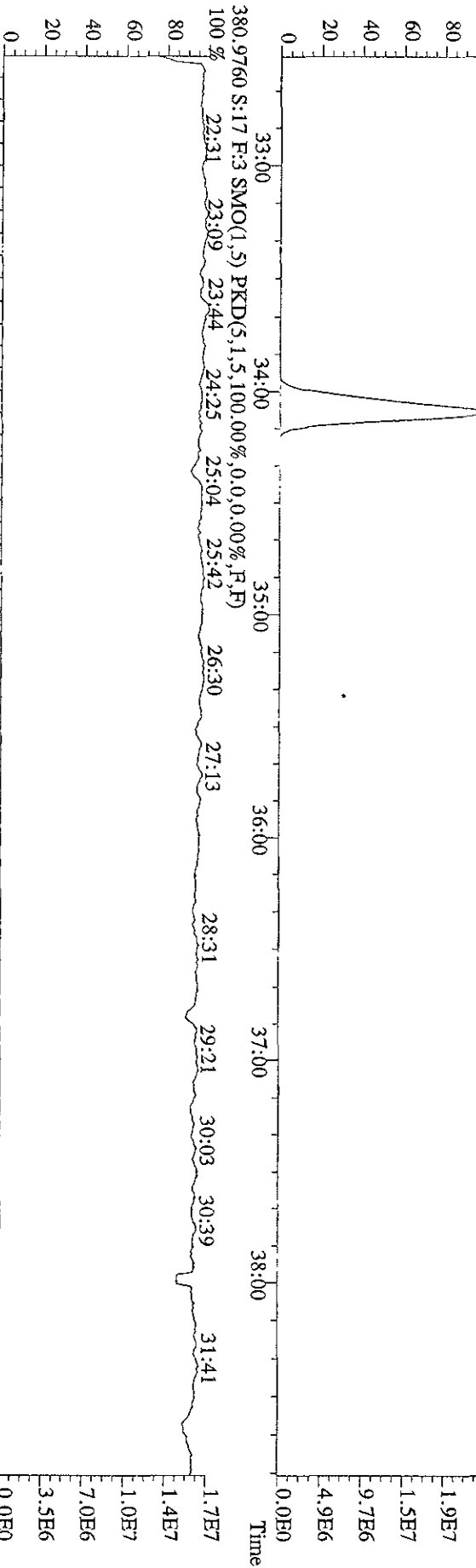
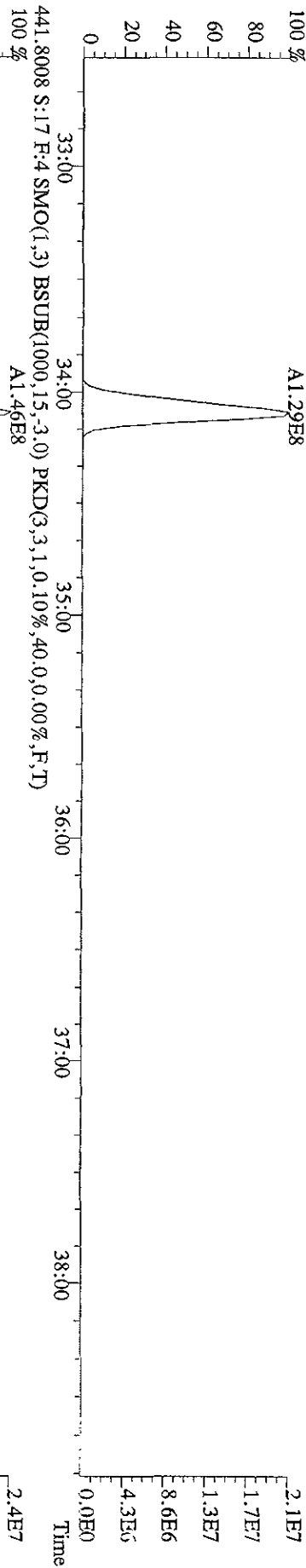
Sample#17 Text:ST0423B :CS3 09DXN016 Exp:209DB5

323.8834 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2412.0,0.00%,F,T)

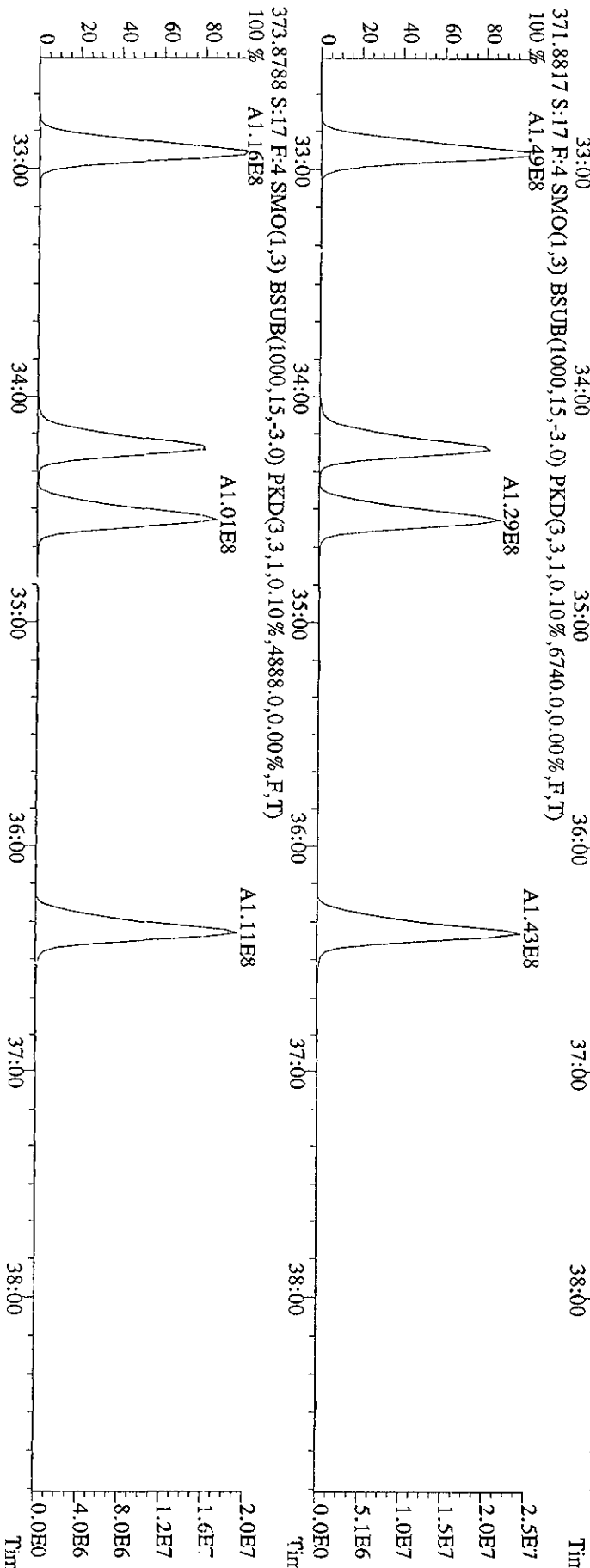
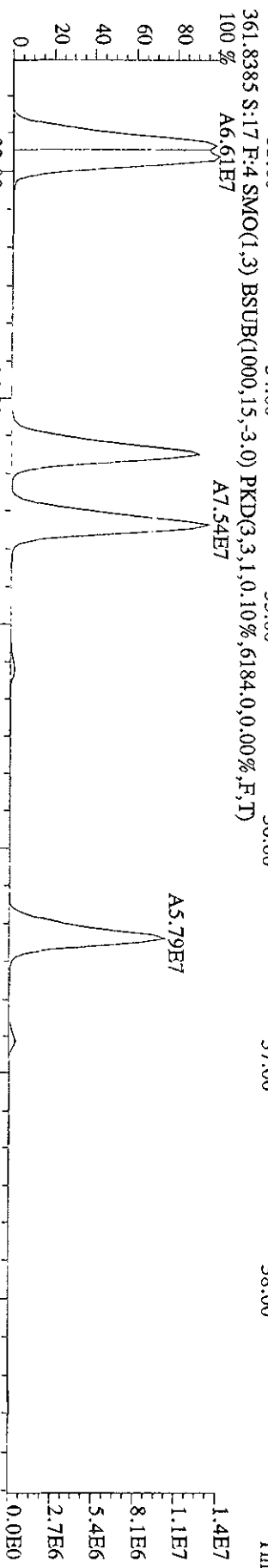
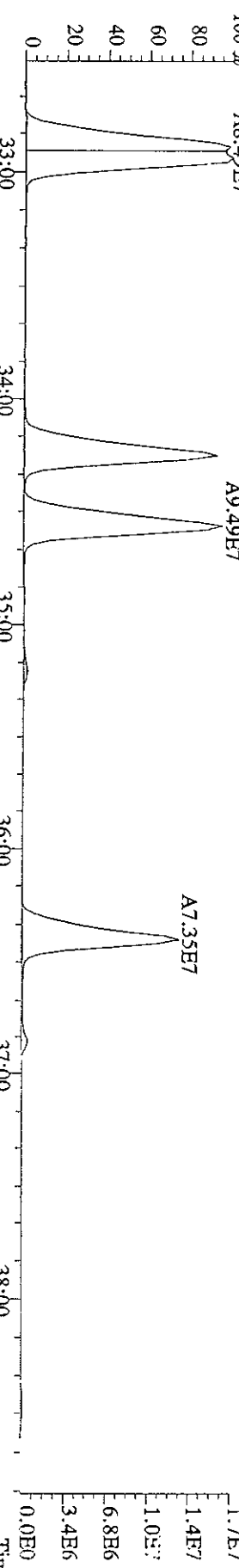




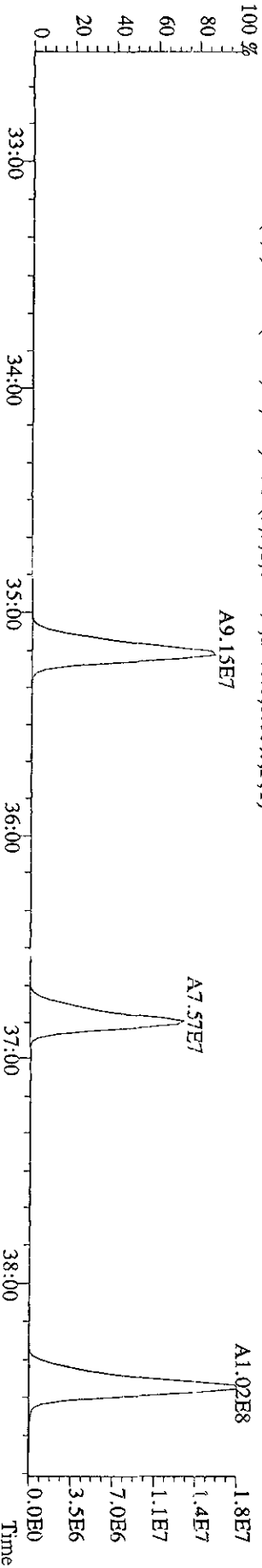
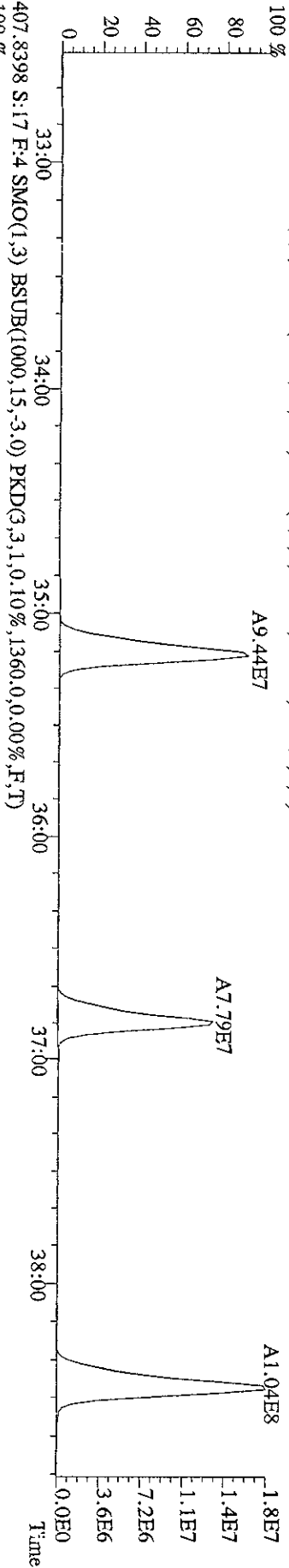
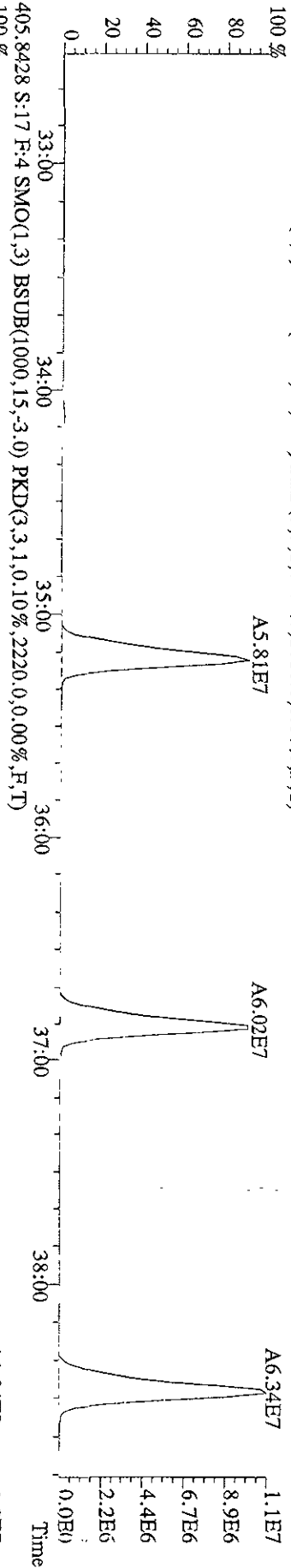
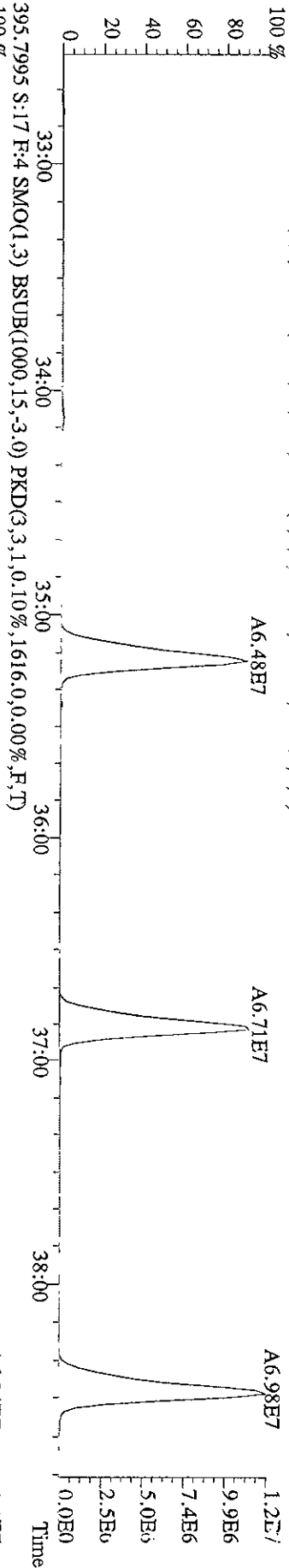
File: 23A1P099D5 #1-387 Acq: 24-APR-2009 03:27:22 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#17 Text: ST0423B :CSS 09DXN016 Exp: 209DB5  
 439.8038 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,20.0,0.00%,F,T)  
 100% A1.29E8



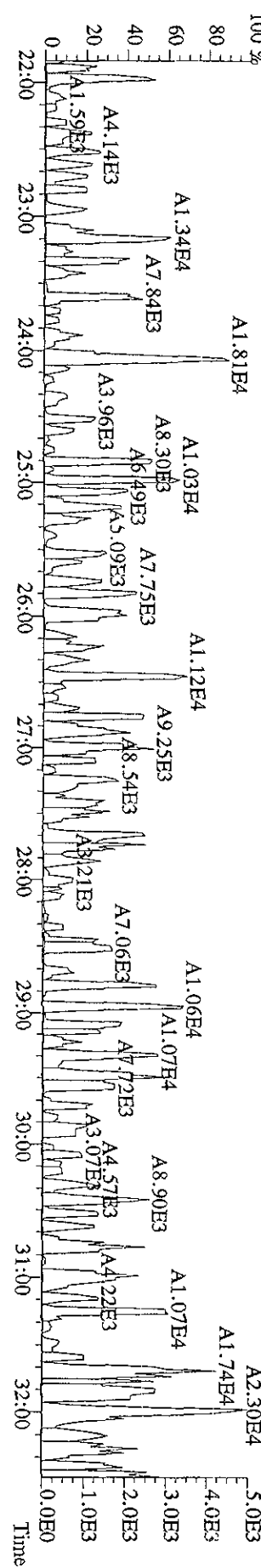
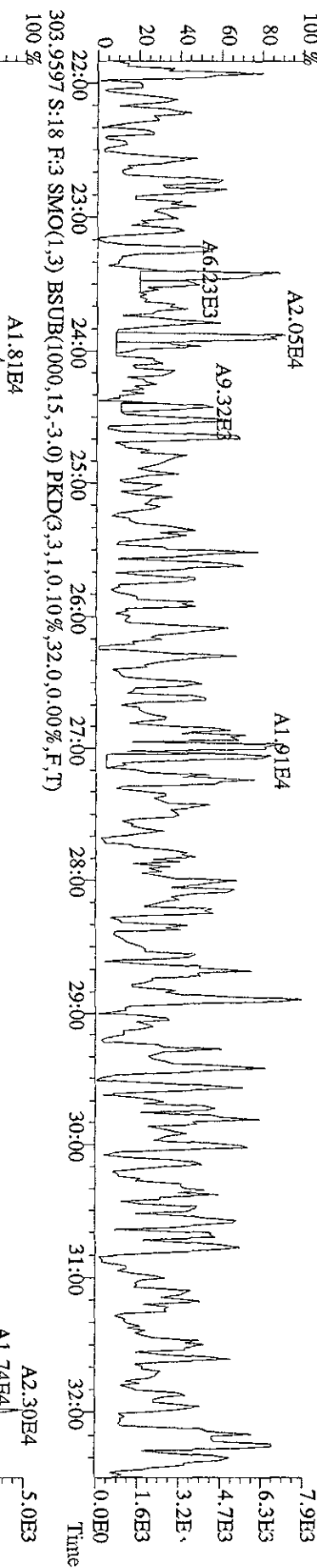
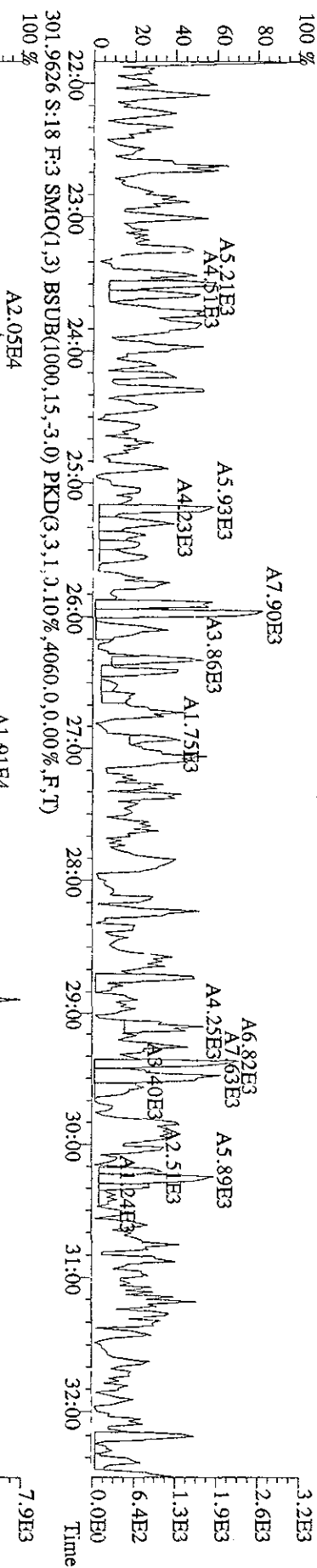
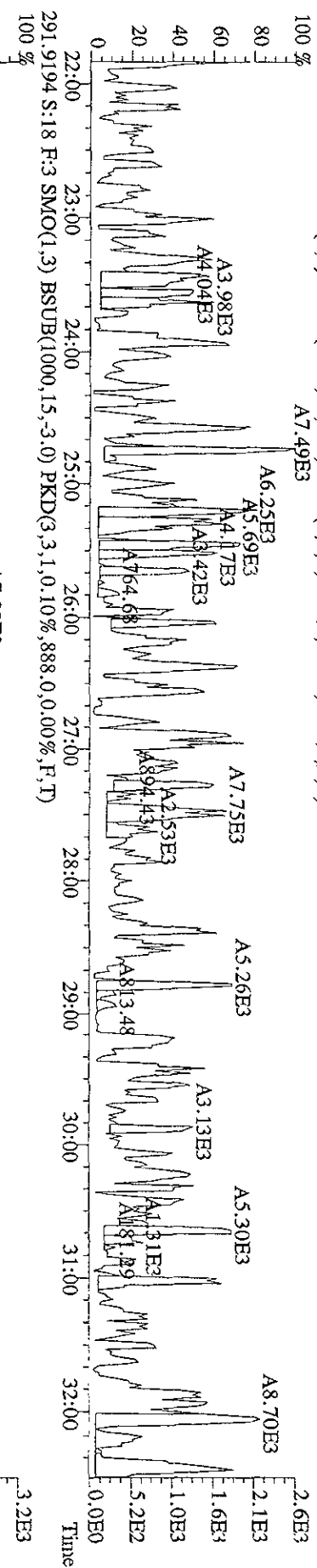
File: 23AP099D5 #1-387 Acq: 24-APR-2009 03:27:22 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#17 Tex: ST0423B :CS3 09DXN016 Exp: 209DB5  
 359.8415 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6908,0,0,00%,F,T)  
 100% A8.49E7 A9.49E7

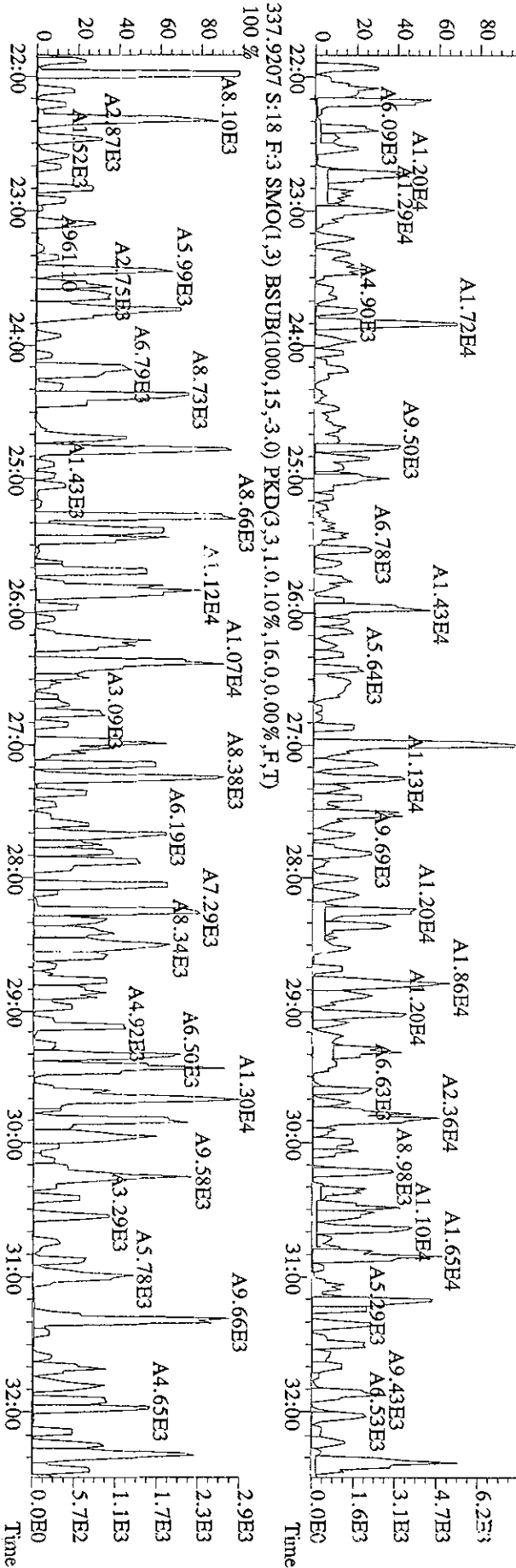
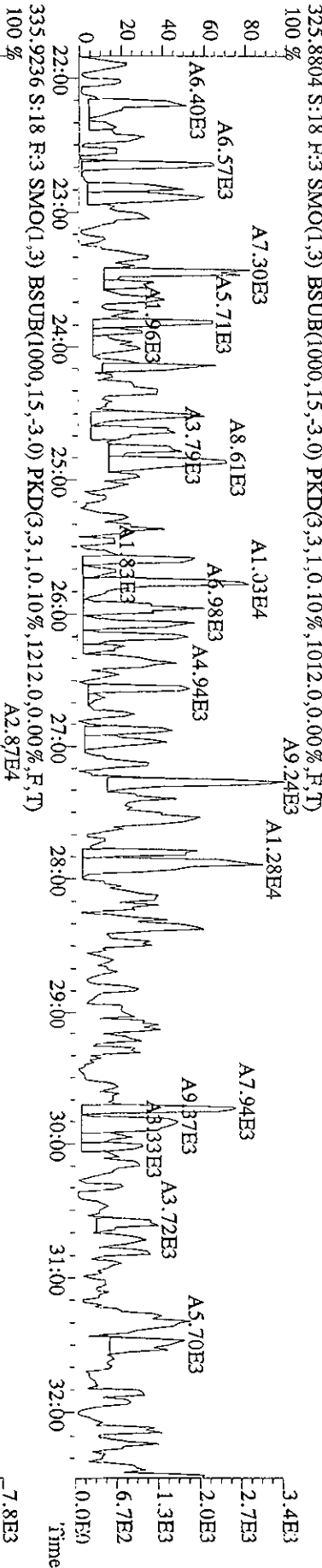
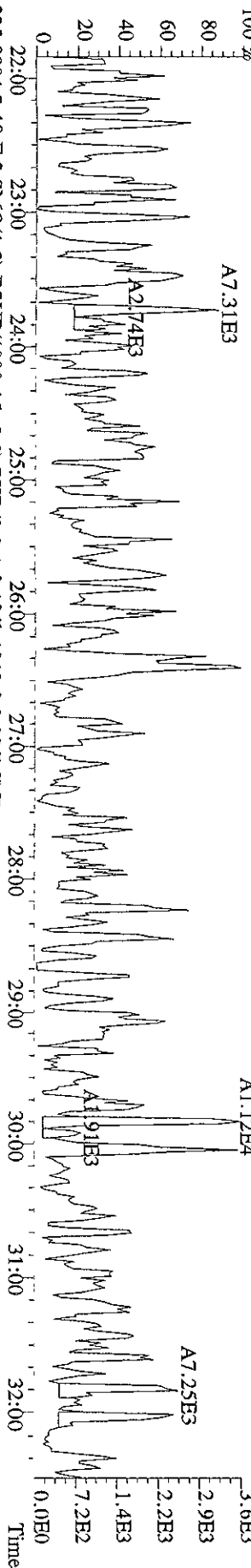


File:23AP099D5 #1-387 Acq:24-APR-2009 03:27:22 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#17 Text:ST0423B :CS3 09DXN016 Exp:209DB5  
 393.8025 S:17 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4460,0,0,00%,F,T)  
 100 %

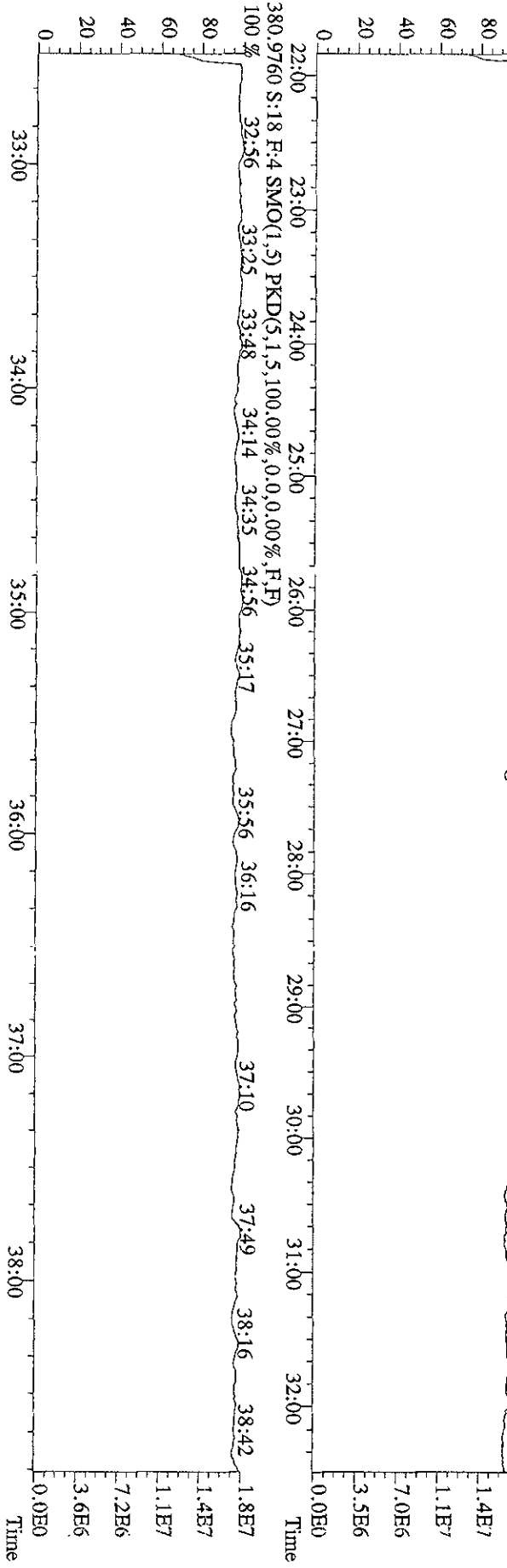
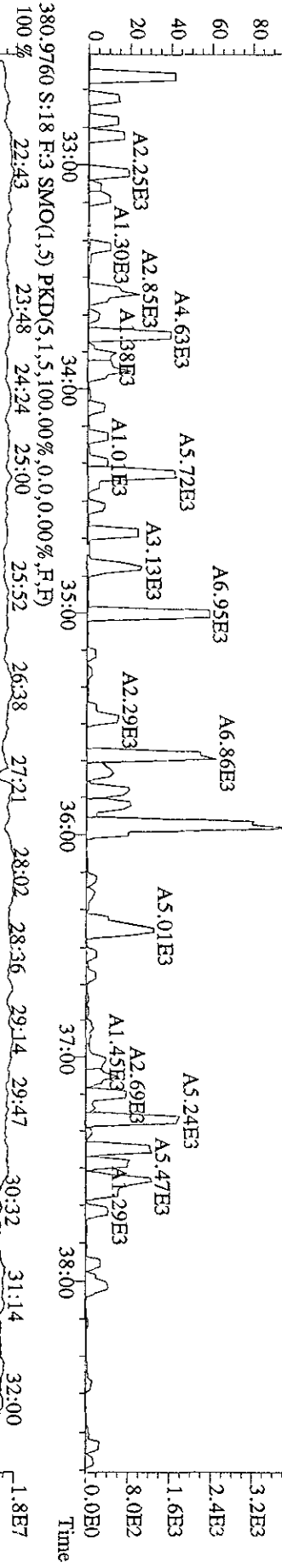
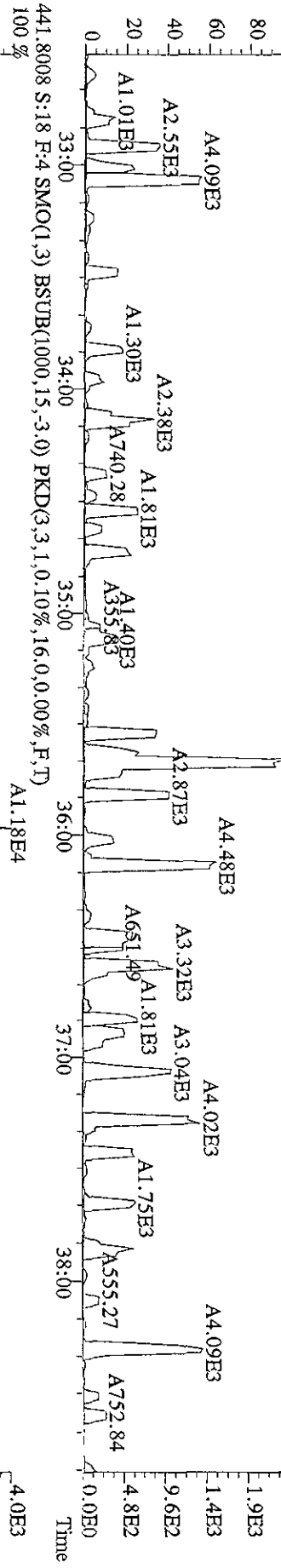


File:23AP099D5 #1-600 Acq:24-APR-2009 04:18:43 GC E1+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text:SB0423C :Solvent Blank C-12 Exp:209DB5  
 289.9224 S:18 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,848,0,0,00%,F,T)  
 100% A7.49E3

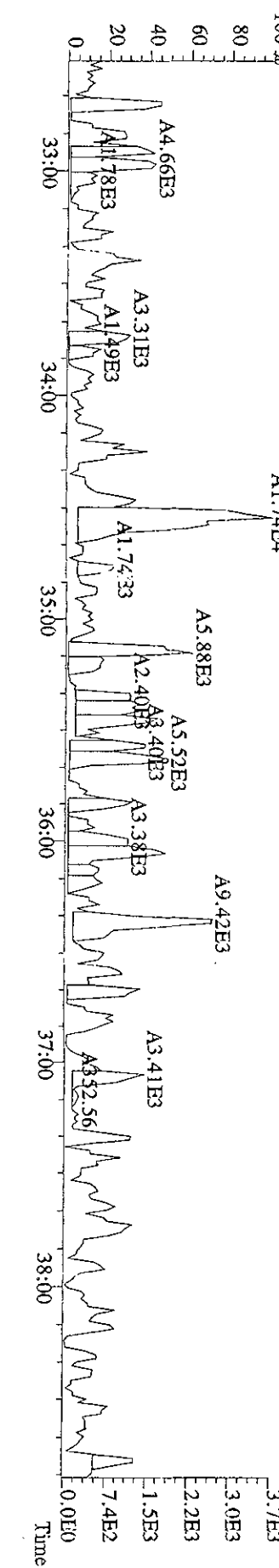
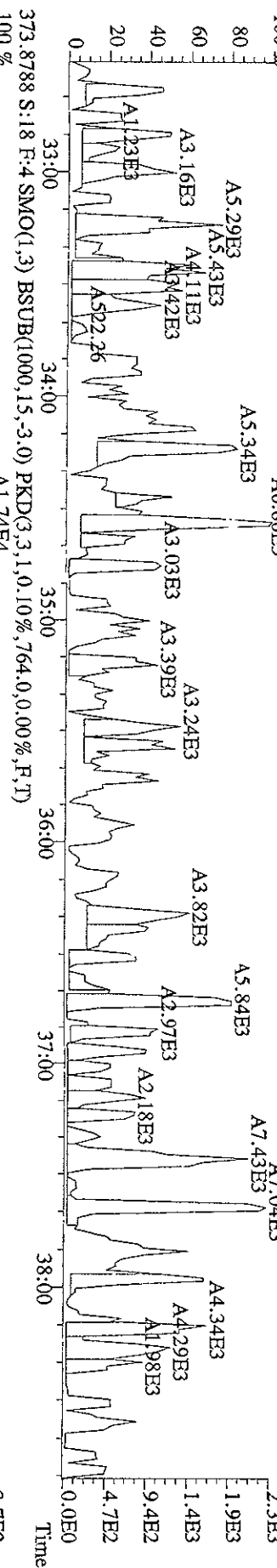
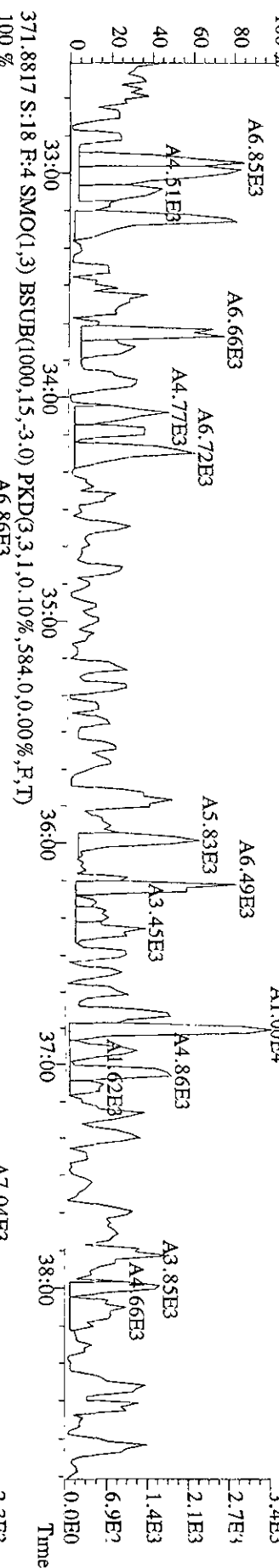
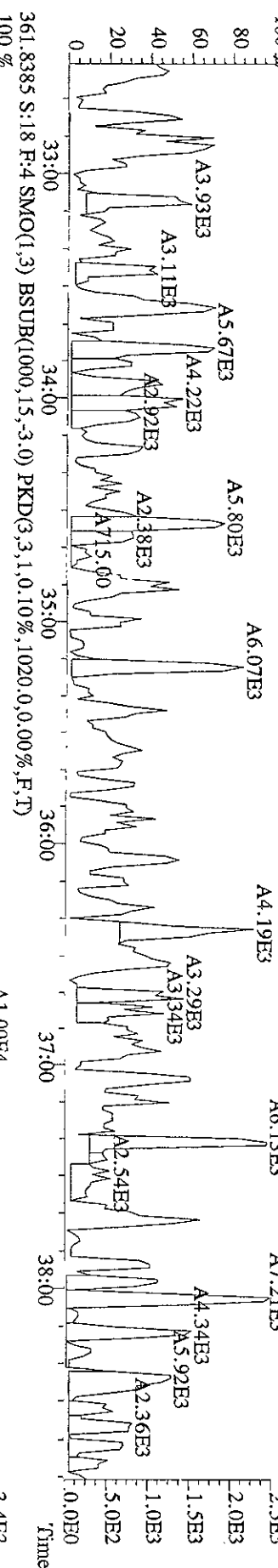




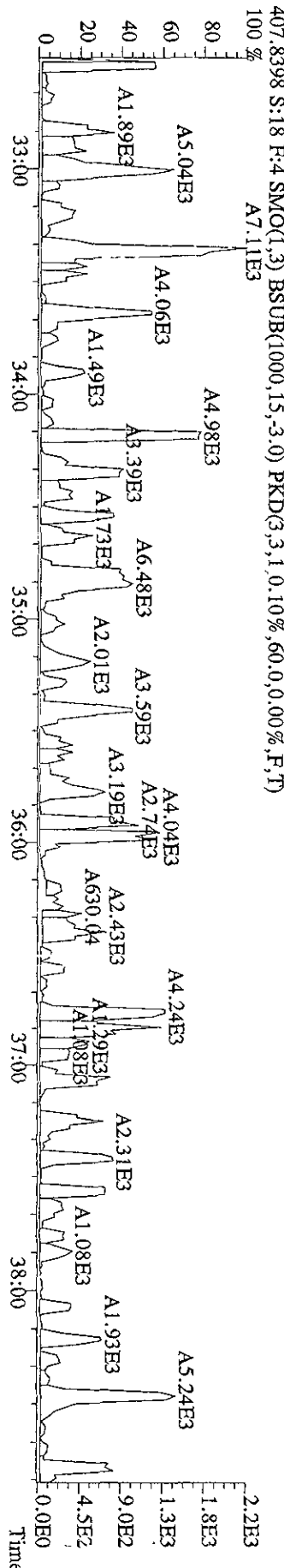
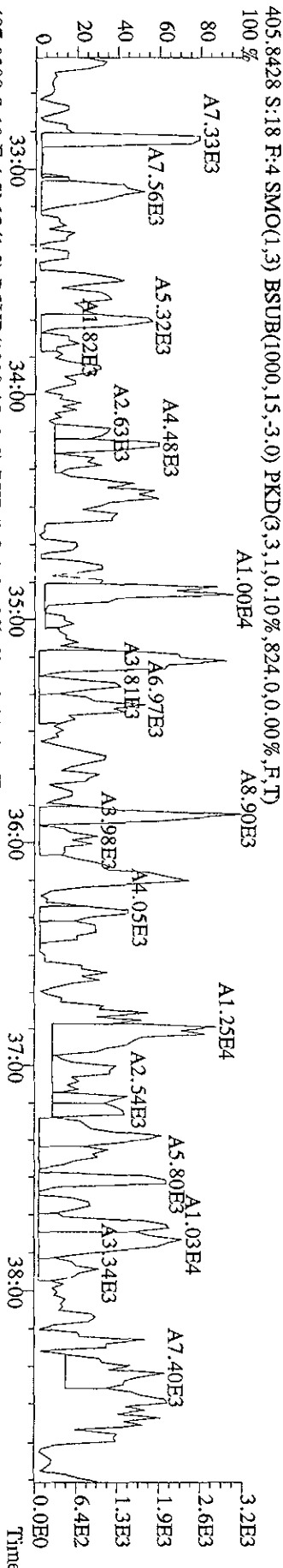
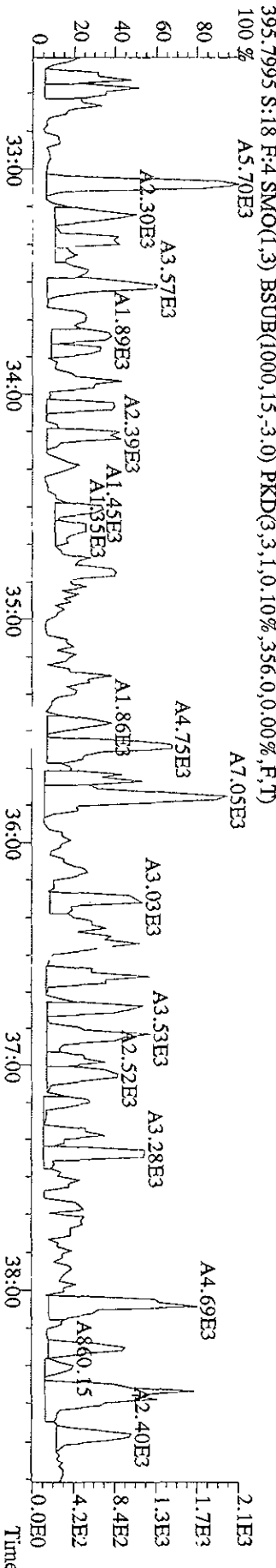
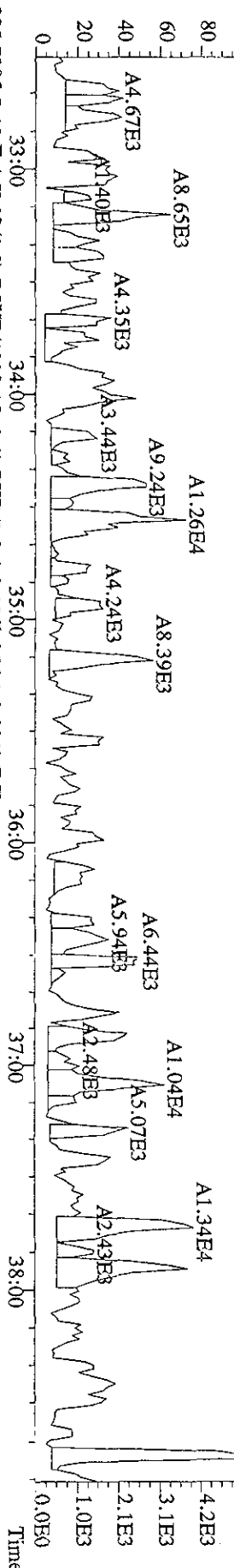
File: 23.AP099D5 #1-387 Acq: 24-APR-2009 04:18:43 GC FI : Voltage SIR Autospec-Ultimate  
 Sample#18 Text: SB0423C : Solvent Blank C-12 Exp: 209DB5  
 439.8038 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,20,0,0,0,00%,F,T) A9.54E3



File: 23AP099D5 #1-387 Acq: 24-APR-2009 04:18:43 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#18 Text: SB0423C :Solvent Blank C-12 Exp: 209DB5  
 359.8415 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,884.0,0.00%,F,T)



File:23AP099D5 #1-387 Acq:24-APR-2009 04:18:43 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text:SB0423C :Solvent Blank C-12 Exp:209DB5  
 393.8025 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,900,0,0.00%,F,T)  
 100 %





Method ID 11668M

Associated ICAL 11668M DB5-01509915

Column ID DB-5

Instrument ID 975

STD ID 570429C

STD Solution 09DXN016

Analyzed by SM, BAS

Date Analyzed 4/30/09

Std. Pkg. By MS

Date Std. Pkg. Assembled 5/1/09

Std. Pkg. Reviewed By M.G.

Date Std. Pkg. Reviewed 5/1/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	/	✓
Copy of log-file and Beginning Static Resolution present?	/	✓
Column Performance blow up present	/	✓
Curve Summary present?	/	✓
Summary of Method criteria present or documented below?	/	✓
Daily standard within method specified limits?*	/	✓
Analyte retention times correct?	/	✓
Isotopic ratios within limits?	/	✓
Column Performance valley ≤ method specified limits?*	/	✓
Are chromatographic windows correct?	/	✓
Samples analyzed within 12 hrs of daily standard?	/	✓
Manual reintegration's checked and hardcopies included?	/	✓
Ending Static Resolutions present?	/	✓

COMMENTS: 246  
328

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0429C File text: ST0429C :CS3 09DXN016  
 Run #13 Filename 29AP09C9D5 S: 18 I: 1  
 Acquired: 30-APR-09 09:46:36 Processed: 30-APR-09 12:11:42  
 Run: 29AP09C9D5 Analyte: 1668MDB5 Cal: 1668MDB50115099D5 Results: 29AP09C9D51668MDB5

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-MoCB-3	250022640	3.13 y	10:26	0.74	100.00	-19.3	n
MoCB-1	204348116	3.02 y	8:57	1.63	50.00	-4.7	n
*MoCB-3	195655496	3.01 y	10:27	1.57	50.00	5.6	n
Total MoCB	403391902	3.02 y	8:57	1.60	0.00	0.1	n
13C-DiCB-15	431806864	1.56 y	15:20	1.29	100.00	-10.2	n
DiCB-10/4	317537952	1.00 y	11:18	1.47	50.00	-5.0	n
DiCB-8/5	458732640	1.00 y	13:09	1.06	100.00	-3.7	n
*DiCB-15	344684512	1.00 y	15:21	1.60	50.00	0.3	n
Total DiCB	1142599572	1.00 y	11:18	1.53	0.00	-2.3	n
13C-TrCB-28	349969360	1.02 y	17:39	1.04	100.00	-3.5	n
TrCB-30	271888856	1.06 y	14:32	1.55	50.00	-3.5	n
TrCB-18	223504912	1.05 y	15:12	1.28	50.00	-10.0	n
Total F1 TrCB	495393768	1.06 y	14:32	1.31	0.00	0.9	n
*TrCB-31	213171608	1.00 y	17:35	1.22	50.00	9.8	n
*TrCB-28	212491128	1.03 y	17:40	1.21	50.00	-5.5	n
TrCB-37	187001296	1.01 y	20:52	1.07	50.00	8.2	n
Total F2 TrCB	634440190	1.11 y	16:55	1.31	0.00	0.9	n
13C-TeCB-52	335707152	0.82 y	19:30	-	100.00	-	n
13C-TeCB-81	281489440	0.77 y	25:58	0.99	100.00	4.9	n
TeCB-54	185619592	0.74 y	16:55	1.30	50.00	-10.5	n
TeCB-52/73	147129036	0.73 y	19:31	1.03	50.00	-9.3	n
TeCB-47/75/48	171741760	0.71 y	19:56	1.20	50.00	-20.4	n
TeCB-44	130947236	0.72 y	20:39	0.92	50.00	-7.6	n
Total F2 TeCB	639661988	0.74 y	16:55	1.24	0.00	-2.8	n
13C-TeCB-77	289692528	0.77 y	26:32	1.02	100.00	4.1	n
TeCB-66/80	221509656	0.76 y	23:05	1.55	50.00	-1.7	n
TeCB-81	180912576	0.75 y	25:59	1.29	50.00	0.6	n
TeCB-77	171579696	0.75 y	26:33	1.18	50.00	7.4	n
Total F3 TeCB	593011954	0.76 y	23:05	1.24	0.00	-2.8	n
13C-PeCB-101	283252160	0.66 y	24:25	-	100.00	-	n
13C-PeCB-123	253486272	0.65 y	27:53	0.89	100.00	2.7	n
PeCB-104	209819112	0.63 y	20:25	1.59	50.00	-0.4	n
Total F2 PeCB	209819112	0.63 y	20:25	1.40	0.00	1.3	n
PeCB-101/89/90	187441264	0.59 y	24:26	1.42	50.00	2.3	n
PeCB-123	193738760	0.59 y	27:55	1.53	50.00	1.3	n
13C-PeCB-118	275998320	0.67 y	28:01	0.97	100.00	-1.0	n
PeCB-118/106	215057704	0.59 y	28:02	1.56	50.00	2.0	n
13C-PeCB-114	271902856	0.66 y	28:40	0.96	100.00	-0.7	n
PeCB-114	218287832	0.60 y	28:42	1.61	50.00	1.3	n
13C-PeCB-105	254900952	0.65 y	29:33	0.90	100.00	0.3	n
PeCB-105/127	180546748	0.58 y	29:34	1.42	50.00	-0.4	n
13C-PeCB-126	258847448	0.65 y	31:26	0.91	100.00	0.3	n
PeCB-126	157501424	0.60 y	31:27	1.22	50.00	3.7	n

Total F3 PeCB	1175339845	0.64	y	23:54	1.40	0.00	1.3	n
13C-OcCB-202	277967712	0.87	y	33:44	-	100.00	-	n
13C-HxCB-167	271271256	1.28	y	32:33	0.98	100.00	16.0	n
HxCB-155	209301736	1.28	y	23:54	1.79	50.00	-5.2	n
HxCB-153	181436360	1.25	y	29:21	1.55	50.00	-9.5	n
HxCB-137	157184064	1.27	y	30:28	1.34	50.00	-8.5	n
HxCB-138/163/164	166275096	1.26	y	30:56	1.42	50.00	-8.4	n
Total F3 HxCB	725836295	1.28	y	23:54	1.43	0.00	-0.7	n
HxCB-128	161331500	1.26	y	32:32	1.38	50.00	27.6	y
HxCB-167	135744100	1.28	y	32:34	1.00	50.00	-14.4	y
13C-HxCB-156	208843064	1.32	y	33:51	0.75	100.00	12.1	n
HxCB-156	159481500	1.29	y	33:52	1.53	50.00	5.2	n
13C-HxCB-157	222294176	1.30	y	34:10	0.80	100.00	13.1	n
HxCB-157	167916400	1.27	y	34:11	1.51	50.00	4.4	n
13C-HxCB-169	234257856	1.30	y	35:59	0.84	100.00	14.9	n
HxCB-169	124645100	1.27	y	36:00	1.06	50.00	7.6	n
Total F4 HxCB	759159944	1.26	y	32:32	1.43	0.00	-0.7	y
13C-HpCB-180	175144320	1.05	y	34:49	0.63	100.00	7.8	n
HpCB-188	157277048	1.07	y	28:58	1.90	50.00	-9.2	n
HpCB-187/182	143497320	1.06	y	31:55	1.74	50.00	-9.5	n
Total F3 HpCB	305367912	1.07	y	28:58	1.64	0.00	-1.4	n
HpCB-180	117983656	1.09	y	34:50	1.35	50.00	6.5	n
13C-HpCB-170	139060288	1.06	y	36:27	0.50	100.00	5.5	n
HpCB-170/190	117691468	1.10	y	36:28	1.69	50.00	5.4	n
13C-HpCB-189	181510952	1.05	y	38:04	0.65	100.00	9.1	n
HpCB-189	120857928	1.12	y	38:05	1.33	50.00	10.4	n
Total F4 HpCB	358160064	0.93	y	32:10	1.64	0.00	-1.4	n
13C-OcCB-194	141818320	0.90	y	40:02	0.51	100.00	24.9	n
OcCB-202	132901940	0.91	y	33:45	1.87	50.00	-13.3	n
Total F4 OcCB	132901940	0.91	y	33:45	1.61	0.00	-5.3	n
OcCB-195	115458308	0.89	y	38:57	1.63	50.00	1.0	n
*OcCB-194	95340120	0.89	y	40:03	1.34	50.00	8.5	n
Total F5 OcCB	222016875	0.89	y	38:57	1.61	0.00	-5.3	n
13C-NoCB-208	198338944	0.79	y	38:50	0.71	100.00	11.0	n
*NoCB-208	116130492	0.81	y	38:52	1.17	50.00	5.3	n
NoCB-206	83102744	0.81	y	42:08	0.84	50.00	15.5	n
Total F5 NoCB	201120829	0.81	y	38:52	1.00	0.00	9.4	n
13C-DeCB-209	145057264	0.72	y	43:26	0.52	100.00	13.4	n
*DeCB-209	110281008	0.70	y	43:27	1.52	50.00	1.0	n
13C-MoCB-1	412231336	3.13	y	8:57	1.65	100.00	-15.5	n
13C-DiCB-4	369624272	1.49	y	11:17	0.86	100.00	-7.5	n
13C-TrCB-19	311138864	1.07	y	14:06	0.89	100.00	-13.8	n
13C-TeCB-54	422043248	0.81	y	16:54	1.48	100.00	-14.2	n
13C-PeCB-111	345660928	0.64	y	25:51	1.35	100.00	-4.8	n
13C-HxCB-138	231279344	1.24	y	30:55	-	100.00	-	n

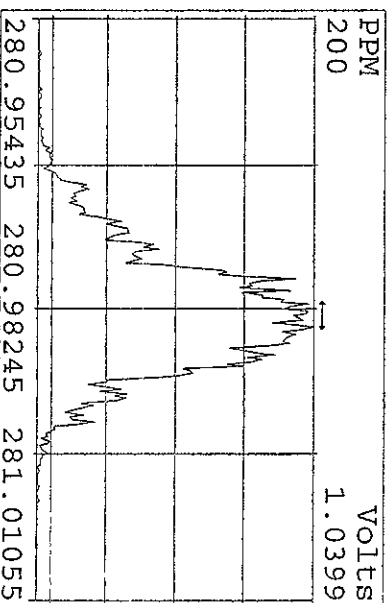
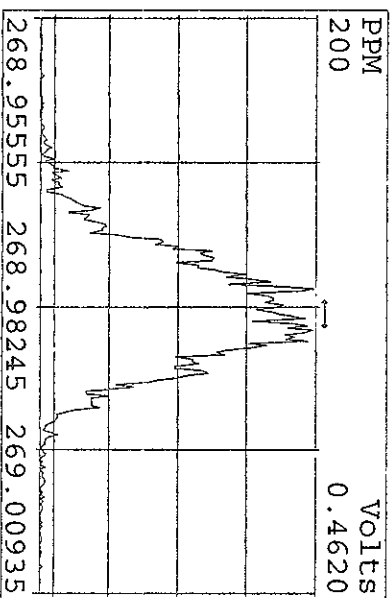
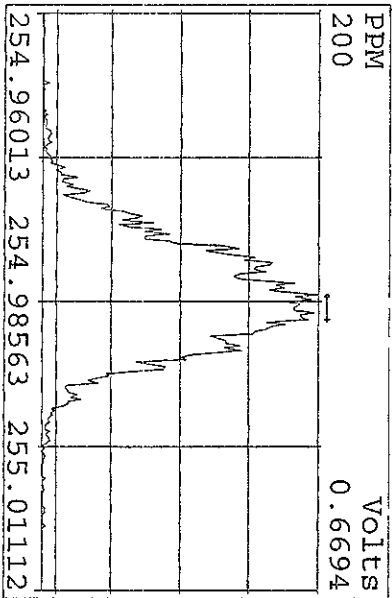
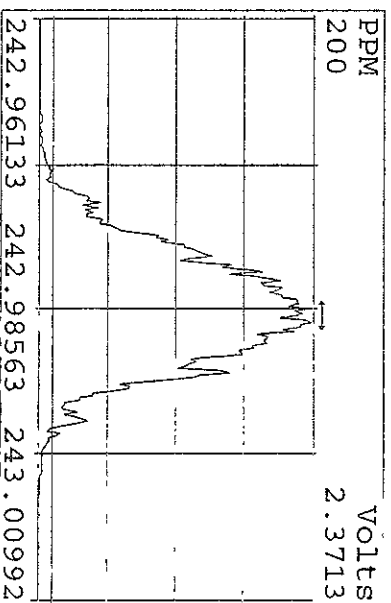
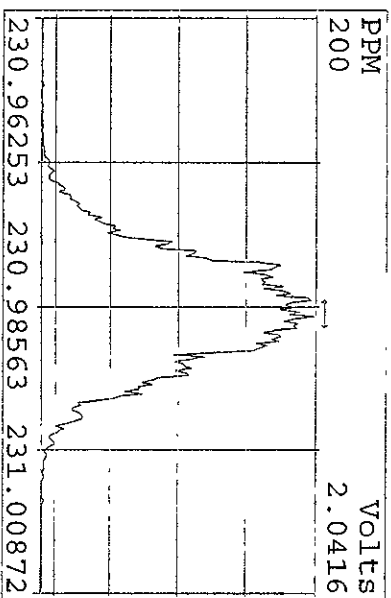
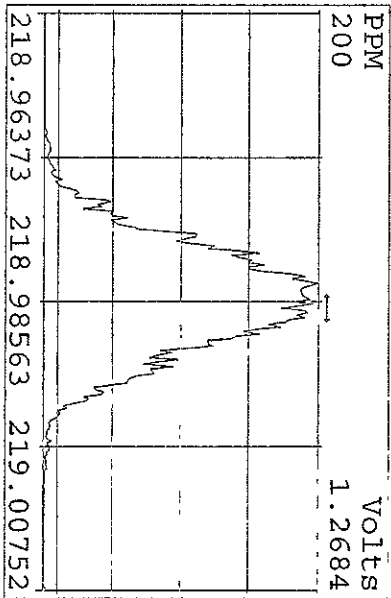
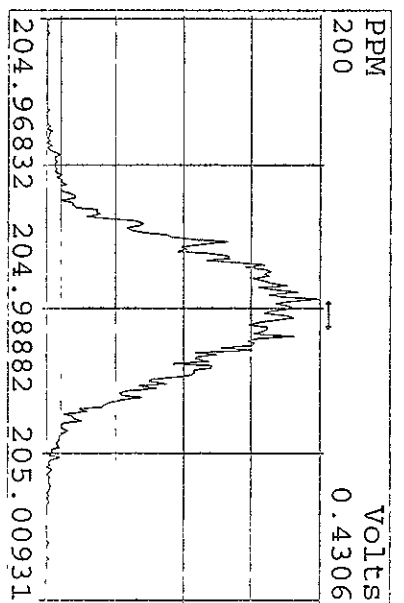
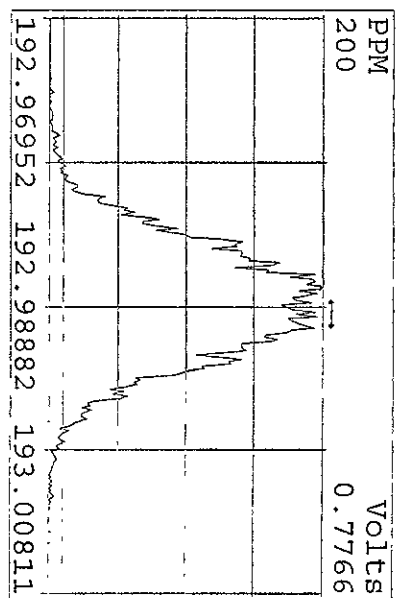
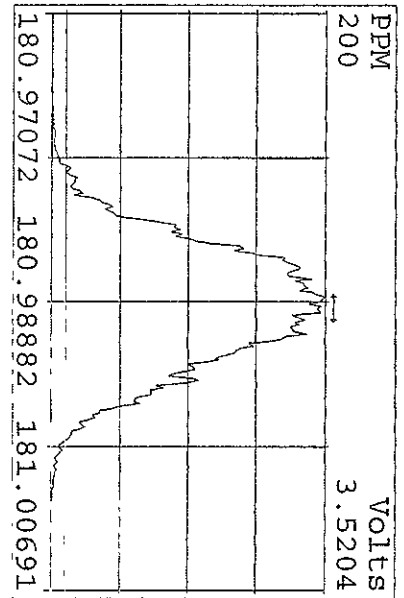
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 Run #13 Filename 29AP09C9D5 S: 18 I: 1  
 Acquired: 30-APR-09 09:46:36 Processed: 30-APR-09 12:35:22  
 Run: 29AP09C9D5 Analyte: 1668MDB5 Cal: 1668MDB50115099D5 Results: 29AP09C9D51668MDB5

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-MoCB-3	250022600	3.13 y	10:26	0.74	100.00	-19.3	n
MoCB-1	204348000	3.02 y	8:57	1.63	50.00	-4.7	n
*MoCB-3	195655900	3.01 y	10:27	1.57	50.00	5.6	n
Total MoCB	403392192	3.02 y	8:57	1.60	0.00	0.1	n
13C-DiCB-15	431807000	1.56 y	15:20	1.29	100.00	-10.2	n
DiCB-10/4	317538000	1.00 y	11:18	1.47	50.00	-5.0	n
DiCB-8/5	458732000	1.00 y	13:09	1.06	100.00	-3.7	n
*DiCB-15	344684000	1.00 y	15:21	1.60	50.00	0.3	n
Total DiCB	1142598480	1.00 y	11:18	1.53	0.00	-2.3	n
13C-TrCB-28	349970000	1.02 y	17:39	1.04	100.00	-3.5	n
TrCB-30	271889000	1.06 y	14:32	1.55	50.00	-3.5	n
TrCB-18	223505000	1.05 y	15:12	1.28	50.00	-10.0	n
Total F1 TrCB	495394000	1.06 y	14:32	1.31	0.00	0.9	n
*TrCB-31	213172000	1.00 y	17:35	1.22	50.00	9.8	n
*TrCB-28	212491000	1.03 y	17:40	1.21	50.00	-5.5	n
TrCB-37	187001300	1.01 y	20:52	1.07	50.00	8.2	n
Total F2 TrCB	634440465	1.11 y	16:55	1.31	0.00	0.9	n
13C-TeCB-52	335707000	0.82 y	19:30	-	100.00	-	n
13C-TeCB-81	281490000	0.77 y	25:58	0.99	100.00	4.9	n
TeCB-54	185619600	0.74 y	16:55	1.30	50.00	-10.5	n
TeCB-52/73	147129100	0.73 y	19:31	1.03	50.00	-9.3	n
TeCB-47/75/48	171741800	0.71 y	19:56	1.20	50.00	-20.4	n
TeCB-44	130947300	0.72 y	20:39	0.92	50.00	-7.6	n
Total F2 TeCB	639662169	0.74 y	16:55	1.24	0.00	-2.8	n
13C-TeCB-77	289693000	0.77 y	26:32	1.02	100.00	4.1	n
TeCB-66/80	221510000	0.76 y	23:05	1.55	50.00	-1.7	n
TeCB-81	180912200	0.75 y	25:59	1.29	50.00	0.6	n
TeCB-77	171579700	0.75 y	26:33	1.18	50.00	7.4	n
Total F3 TeCB	593011921	0.76 y	23:05	1.24	0.00	-2.8	n
13C-PeCB-101	283252000	0.66 y	24:25	-	100.00	-	n
13C-PeCB-123	253486000	0.65 y	27:53	0.89	100.00	2.7	n
PeCB-104	209818700	0.63 y	20:25	1.59	50.00	-0.4	n
Total F2 PeCB	209818700	0.63 y	20:25	1.40	0.00	1.3	n
PeCB-101/89/90	187441200	0.59 y	24:26	1.42	50.00	2.3	n
PeCB-123	193739000	0.59 y	27:55	1.53	50.00	1.3	n
13C-PeCB-118	275998000	0.67 y	28:01	0.97	100.00	-1.0	n
PeCB-118/106	215057400	0.59 y	28:02	1.56	50.00	2.0	n
13C-PeCB-114	271903000	0.66 y	28:40	0.96	100.00	-0.7	n
PeCB-114	218288100	0.60 y	28:42	1.61	50.00	1.3	n
13C-PeCB-105	254901000	0.65 y	29:33	0.90	100.00	0.3	n
PeCB-105/127	180546400	0.58 y	29:34	1.42	50.00	-0.4	n
13C-PeCB-126	258848000	0.65 y	31:26	0.91	100.00	0.3	n
PeCB-126	157501400	0.60 y	31:27	1.22	50.00	3.7	n

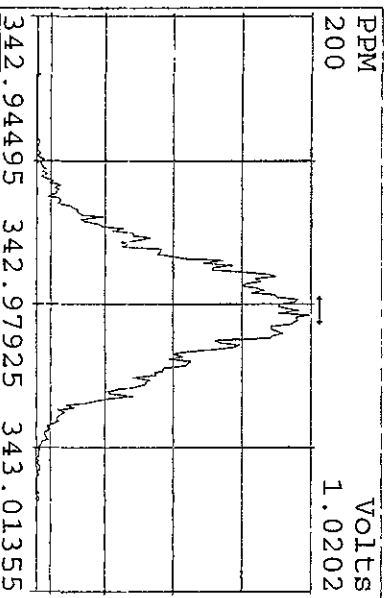
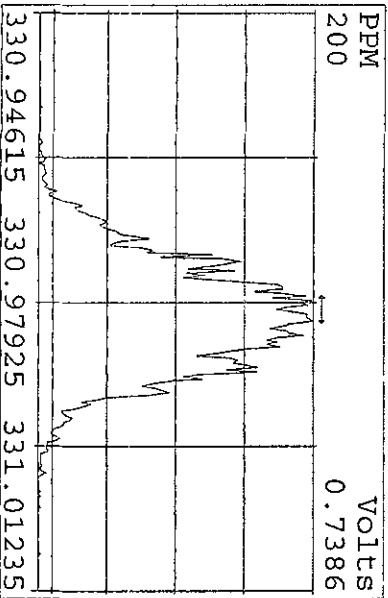
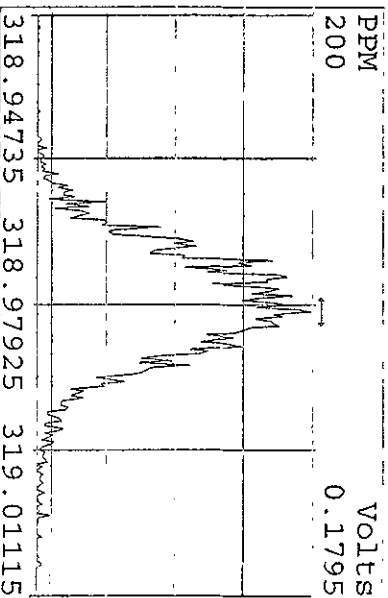
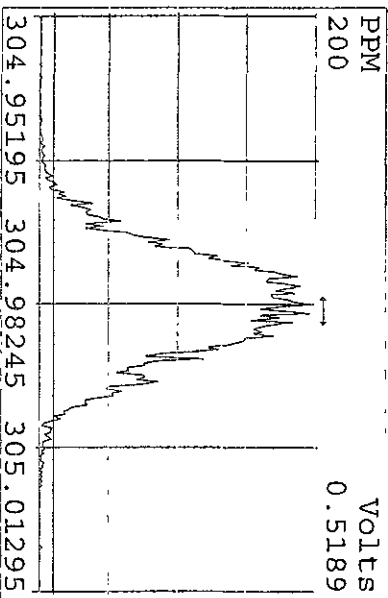
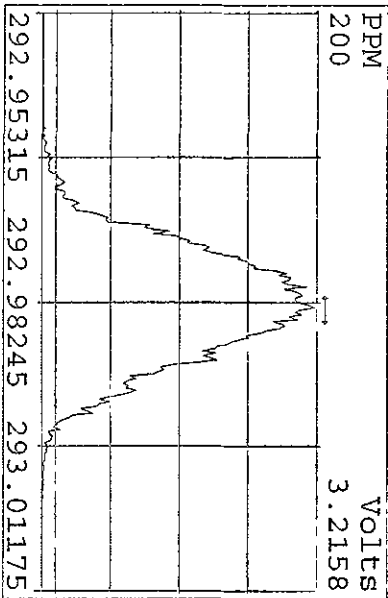
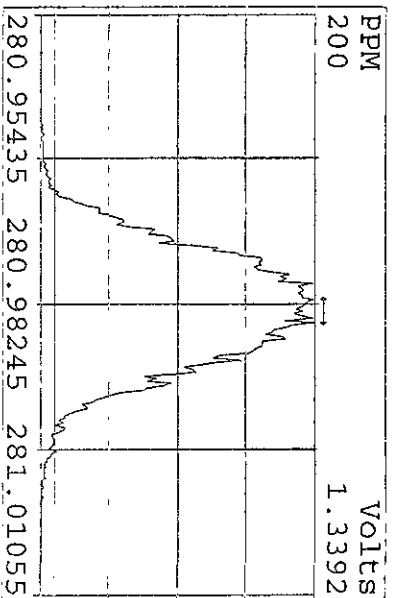
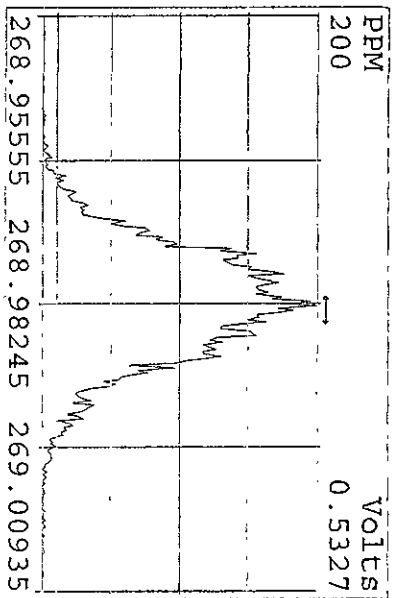
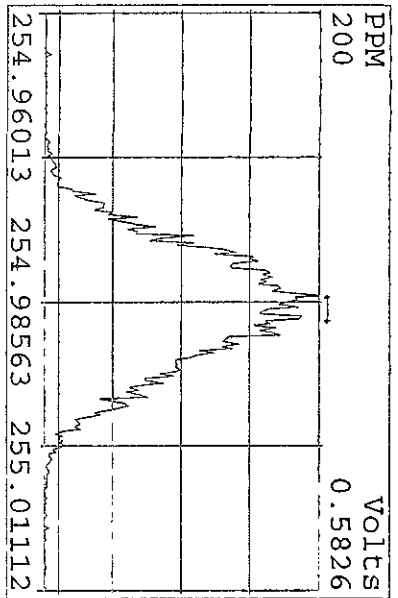
Total F3 PeCB	1175339619	0.64	y	23:54	1.40	0.00	1.3	n
13C-OcCB-202	277968000	0.87	y	33:44	-	100.00	-	n
13C-HxCB-167	271271000	1.28	y	32:33	0.98	100.00	16.0	n
HxCB-155	209301500	1.28	y	23:54	1.79	50.00	-5.2	n
HxCB-153	181436600	1.25	y	29:21	1.55	50.00	-9.5	n
HxCB-137	157184100	1.27	y	30:28	1.34	50.00	-8.5	n
HxCB-138/163/164	166275100	1.26	y	30:56	1.42	50.00	-8.4	n
Total F3 HxCB	725836340	1.28	y	23:54	1.43	0.00	-0.7	n
HxCB-128	297162000	1.27	y	32:32	2.54	50.00	135.1	n
HxCB-167	297162000	1.27	y	32:32	2.19	50.00	87.4	n
13C-HxCB-156	208843100	1.32	y	33:51	0.75	100.00	12.1	n
HxCB-156	159481500	1.29	y	33:52	1.53	50.00	5.2	n
13C-HxCB-157	222294500	1.30	y	34:10	0.80	100.00	13.1	n
HxCB-157	167916400	1.27	y	34:11	1.51	50.00	4.4	n
13C-HxCB-169	234258000	1.30	y	35:59	0.84	100.00	14.9	n
HxCB-169	124645100	1.27	y	36:00	1.06	50.00	7.6	n
Total F4 HxCB	759246354	1.27	y	32:32	1.43	0.00	-0.7	n
13C-HpCB-180	175144400	1.05	y	34:49	0.63	100.00	7.8	n
HpCB-188	157277000	1.07	y	28:58	1.90	50.00	-9.2	n
HpCB-187/182	143497300	1.06	y	31:55	1.74	50.00	-9.5	n
Total F3 HpCB	305367846	1.07	y	28:58	1.64	0.00	-1.4	n
HpCB-180	117983700	1.09	y	34:50	1.35	50.00	6.5	n
13C-HpCB-170	139060300	1.06	y	36:27	0.50	100.00	5.5	n
HpCB-170/190	117691500	1.10	y	36:28	1.69	50.00	5.4	n
13C-HpCB-189	181511000	1.05	y	38:04	0.65	100.00	9.1	n
HpCB-189	120857900	1.12	y	38:05	1.33	50.00	10.4	n
Total F4 HpCB	358160112	0.93	y	32:10	1.64	0.00	-1.4	n
13C-OcCB-194	141818300	0.90	y	40:02	0.51	100.00	24.9	n
OcCB-202	132902000	0.91	y	33:45	1.87	50.00	-13.3	n
Total F4 OcCB	132902000	0.91	y	33:45	1.61	0.00	-5.3	n
OcCB-195	115458300	0.89	y	38:57	1.63	50.00	1.0	n
*OcCB-194	95340100	0.89	y	40:03	1.34	50.00	8.5	n
Total F5 OcCB	222016838	0.89	y	38:57	1.61	0.00	-5.3	n
13C-NoCB-208	198339100	0.79	y	38:50	0.71	100.00	11.0	n
*NoCB-208	116130500	0.81	y	38:52	1.17	50.00	5.3	n
NoCB-206	83102700	0.81	y	42:08	0.84	50.00	15.5	n
Total F5 NoCB	201120797	0.81	y	38:52	1.00	0.00	9.4	n
13C-DeCB-209	145057300	0.72	y	43:26	0.52	100.00	13.4	n
*DeCB-209	110281000	0.70	y	43:27	1.52	50.00	1.0	n
13C-MoCB-1	412231100	3.13	y	8:57	1.65	100.00	-15.5	n
13C-DiCB-4	369625000	1.49	y	11:17	0.86	100.00	-7.5	n
13C-TrCB-19	311139000	1.07	y	14:06	0.89	100.00	-13.8	n
13C-TeCB-54	422043000	0.81	y	16:54	1.48	100.00	-14.2	n
13C-PeCB-111	345661000	0.64	y	25:51	1.35	100.00	-4.8	n
13C-HxCB-138	231280000	1.24	y	30:55	-	100.00	-	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
29AP09C9D5	1	ST0429	CS3 09DXN016		Bad injection		1.00000	
29AP09C9D5	2	ST0429A	CS3 09DXN016				1.00000	
29AP09C9D5	3	ST0429B	209PCB 3249-47				1.00000	
29AP09C9D5	4	SB0429	Solvent Blank C-12				1.00000	
29AP09C9D5	5	LAP3K-1-AA	G9D070246-1MB	20	1668/WATER	35	1.00000	L
29AP09C9D5	6	LAP3K-1-AC	G9D070246-1LCS	20	1668/WATER		1.00000	L
29AP09C9D5	7	K9PMQ-1-AA	G9D070246-1	20	1668/WATER		1.05680	L
29AP09C9D5	8	K9PMT-1-AA	G9D070246-2	20	1668/WATER		1.07880	L
29AP09C9D5	9	K9PMW-1-AA	G9D070246-3	20	1668/WATER		1.07390	L
29AP09C9D5	10	K9PM0-1-AA	G9D070246-4	20	1668/WATER		1.03530	L
29AP09C9D5	11	LAVAT-1-AA	F9D210216-2MB	20	1668/WATER	36	1.00000	L
29AP09C9D5	12	LAVAT-1-AC	F9D210216-2LCS	20	1668/WATER		1.00000	L
29AP09C9D5	13	LAF21-1-C4	F9D210216-2	20	1668/WATER		1.07090	L
29AP09C9D5	14	LAF3A-1-CF	F9D210216-3	20	1668/WATER		1.06710	L
29AP09C9D5	15	LAVLC-1-AA	G9D090272-1MB	20	1668/WATER	35	0.25000	SAM
29AP09C9D5	16	LAVLC-1-AC	G9D090272-1LCS	20	1668/WATER		0.25000	SAM
29AP09C9D5	17	SB0429A	Solvent Blank C-12				1.00000	
29AP09C9D5	18	ST0429C	CS3 09DXN016				1.00000	
29AP09C9D5	19	ST0429D	209PCB 3249-47				1.00000	
29AP09C9D5	20	SB0429D	Solvent Blank C-12				1.00000	
29AP09C9D5	21	K9PMQ-1-AA	G9D070246-1 (5X)	20	1668/WATER		1.05680	L
29AP09C9D5	22	K9LD9-1-AD	G9D030338-8X	20	1668/SOLID		10.43000	g
29AP09C9D5	23	K9LD9-1-AC	G9D030338-8	20	1668/SOLID		10.42600	g
29AP09C9D5	24	K9LD7-1-AC	G9D030338-6	20	1668/SOLID		10.18000	g
29AP09C9D5	25	K9LD7-1-AD	G9D030338-6S	20	1668/SOLID		10.09000	g
29AP09C9D5	26	K9LD7-1-AE	G9D030338-6D	20	1668/SOLID		10.30000	g
29AP09C9D5	27	K9LD8-1-AC	G9D030338-7	20	1668/SOLID		10.09000	g
29AP09C9D5	28	K9LD6-1-AC	G9D030338-5	20	1668/SOLID		10.28000	g
29AP09C9D5	29	K9LD5-1-AC	G9D030338-4	20	1668/SOLID		10.16000	g
29AP09C9D5	30	K9LD4-1-AC	G9D030338-3	20	1668/SOLID		10.08000	g
29AP09C9D5	31	K9LD3-1-AC	G9D030338-2	20	1668/SOLID		10.23000	g
29AP09C9D5	32	K9LD2-1-AC	G9D030338-1	20	1668/SOLID		10.24000	g
29AP09C9D5	33	SB0429E	Solvent Blank C-12				1.00000	
29AP09C9D5	34	ST0429E	CS3 09DXN016				1.00000	
29AP09C9D5	35	SB0429F	Solvent Blank C-12				1.00000	
29AP09C9D5	36	LAVLC-1-AD	G9D090272-1DCS	20	1668/SOLID	35	0.25000	SAM
29AP09C9D5	37	K9V8E-2-AC	G9D090272-1RX	20	1668/SOLID		0.25000	SAM
29AP09C9D5	38	K9VEL-2-AC	G9D090272-2RX	20	1668/WATER		0.25000	SAM
29AP09C9D5	39	K9V8P-2-AC	G9D090272-3RX	20	1668/WATER		0.25000	SAM
29AP09C9D5	40	K9LEW-1-AA	G9D030340-6	20	1668/WATER	36	1.03500	L
29AP09C9D5	41	K9LEX-1-AA	G9D030340-7	20	1668/WATER		1.01220	L
29AP09C9D5	42	LAVA5-1-AAB	F9D150204-1MB	20	1668/WASTE	37	1.00000	g
29AP09C9D5	43	LAVA5-1-ACC	F9D150204-1LCS	20	1668/WASTE		1.00000	g
29AP09C9D5	44	K9490-1-AE	F9D150204-1	20	1668/WASTE		1.17000	g
29AP09C9D5	45	LAVQJ-1-ACC	G9D220326-1LCS	20	1668/WASTE	36	0.50000	SAM
29AP09C9D5	46	LAVQJ-1-AAB	G9D220326-1MB	20	1668/WASTE		0.50000	SAM
29AP09C9D5	47	LAKA6-1-AC	G9D220326-1	20	1668/WASTE		0.50000	SAM
29AP09C9D5	48						1.00000	
29AP09C9D5	49						1.00000	
29AP09C9D5	50						1.00000	
29AP09C9D5	51						1.00000	
29AP09C9D5	52		AM, KAS 04-29-09				1.00000	

Peak Locate Examination: 29-APR-2009:19:05 File: 29AP09C9D5  
 Experiment: 209DB5 Function: 1 Reference: PFK

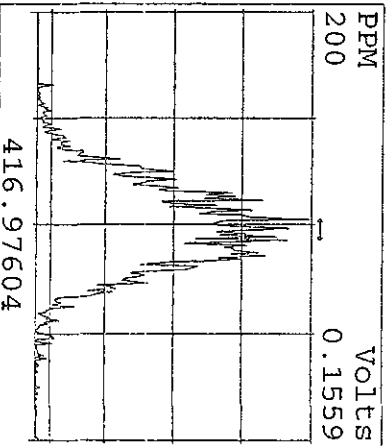
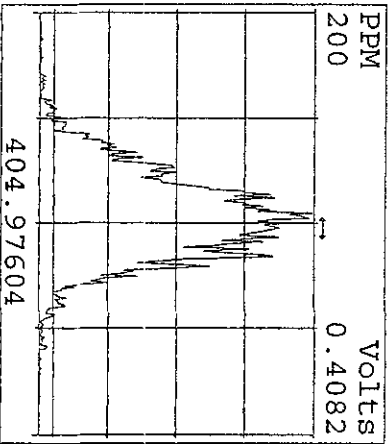
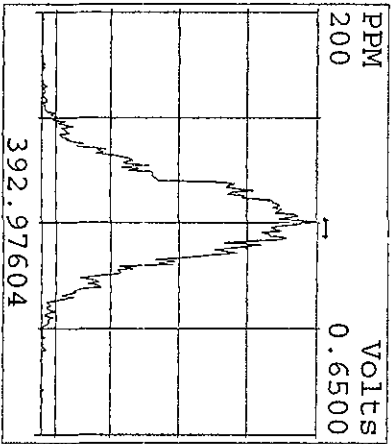
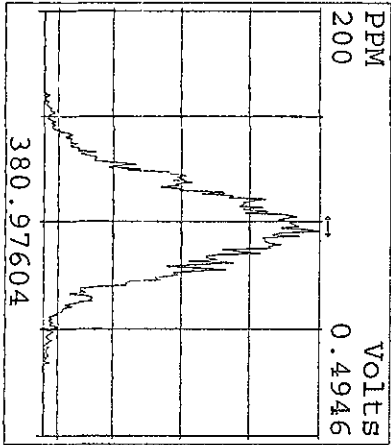
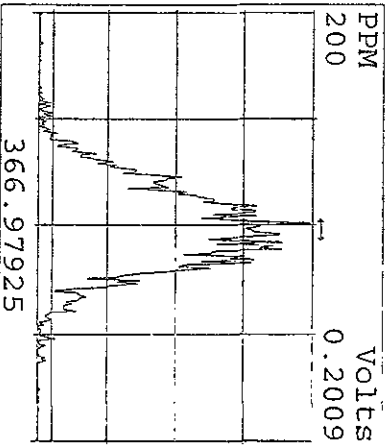
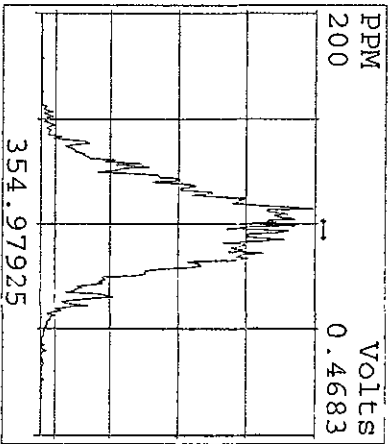
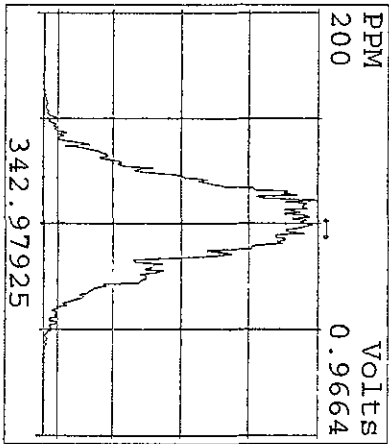
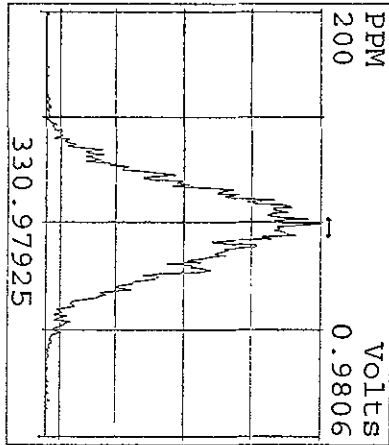
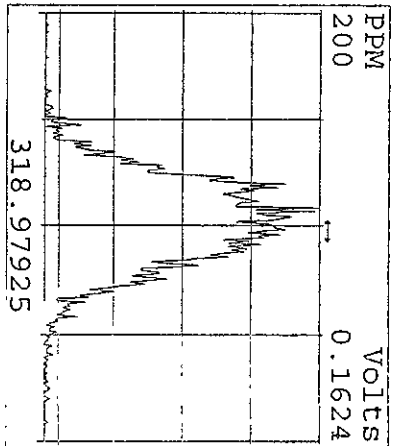
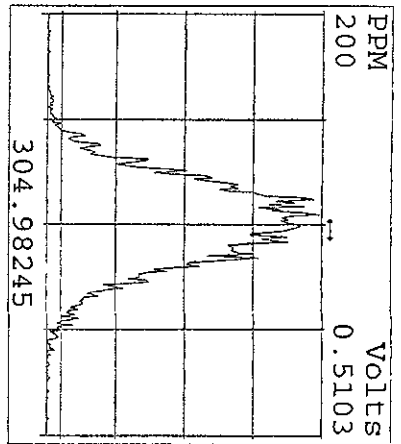
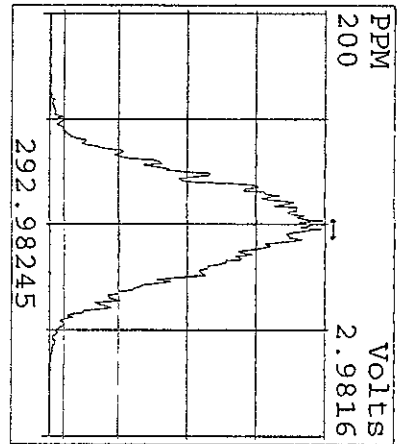
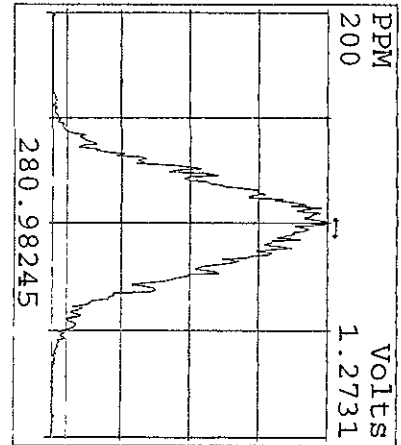


Peak Locate Examination: 29-APR-2009: 19:07 File: 29AP09C9D5  
 Experiment: 209DB5 Function: 2 Reference: PFK

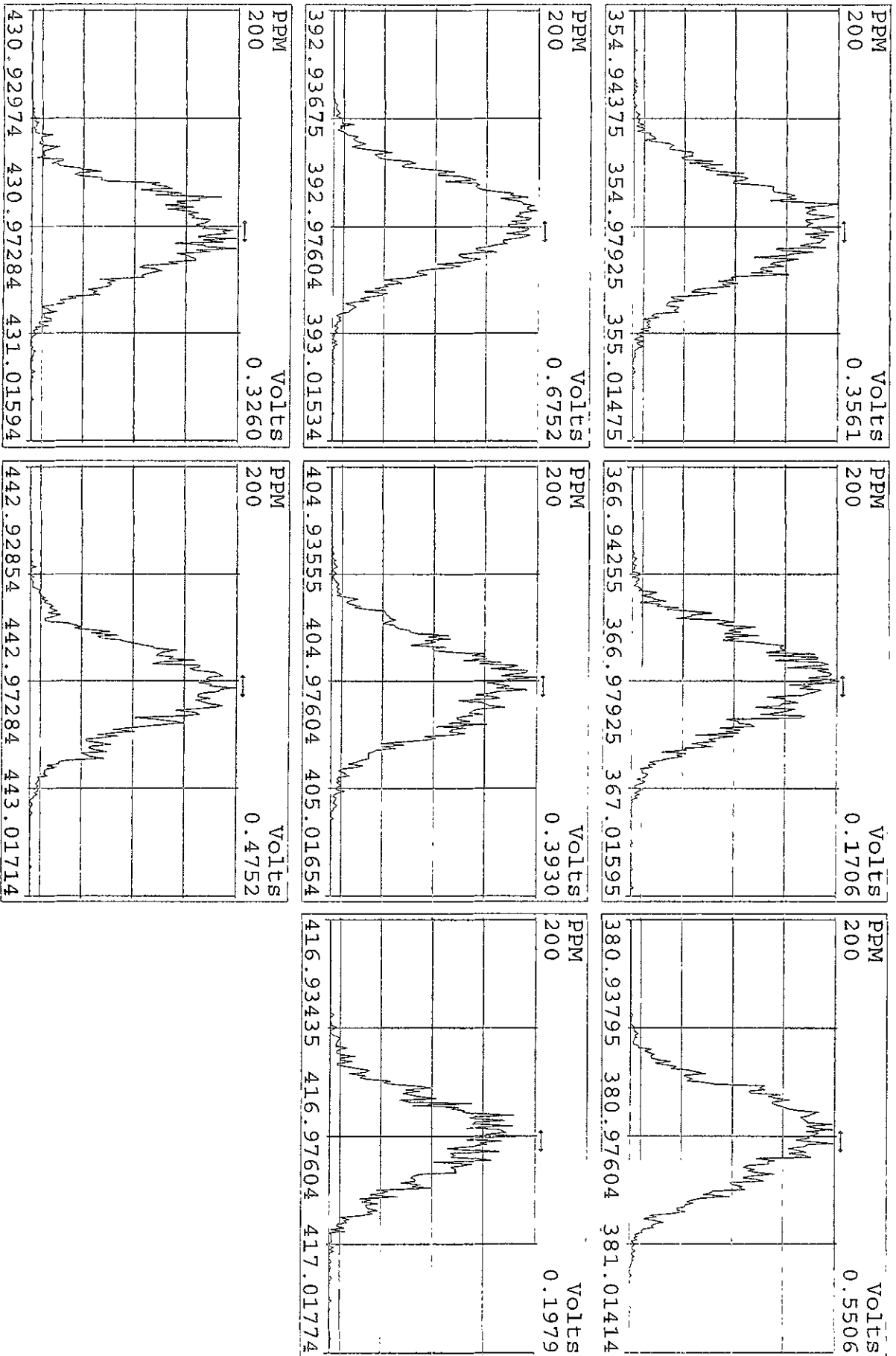




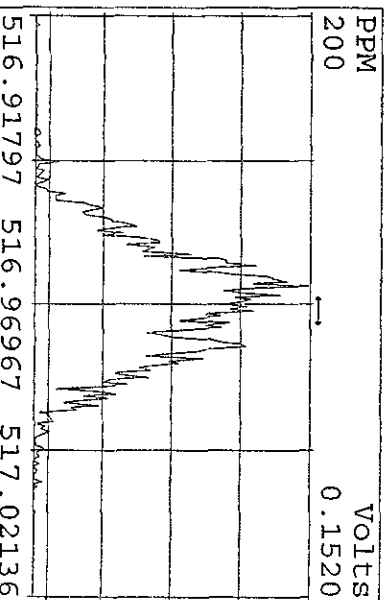
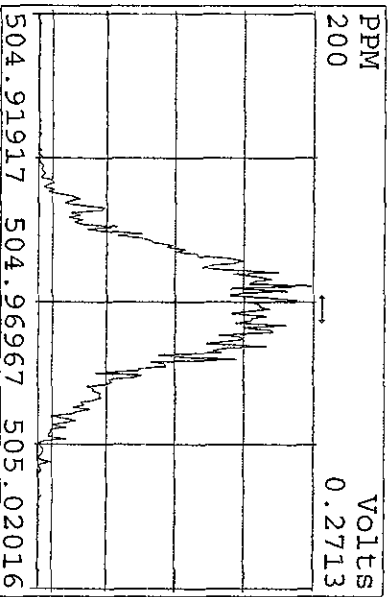
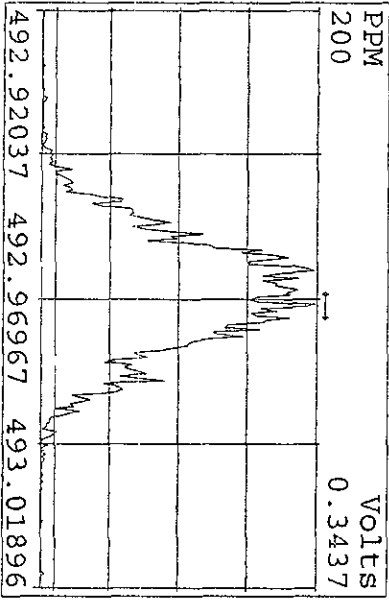
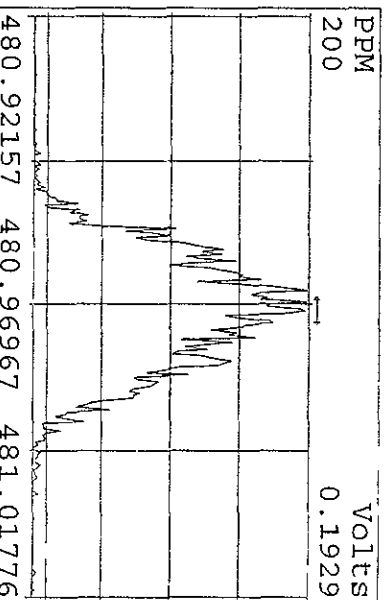
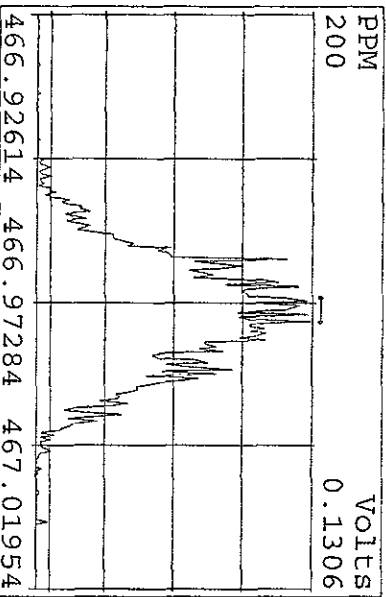
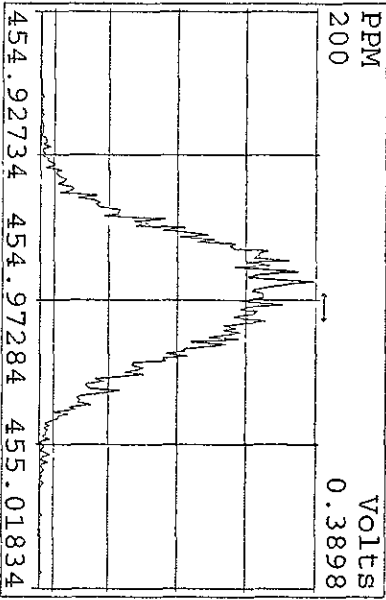
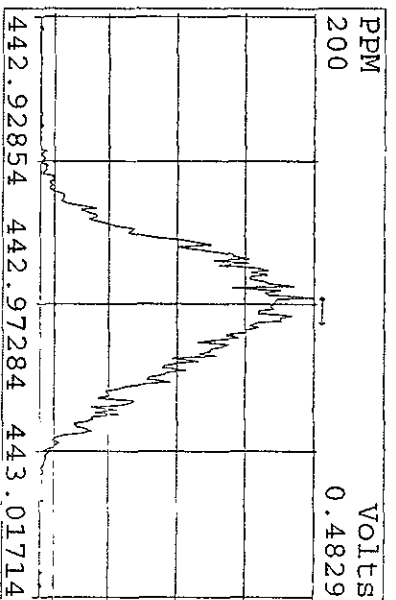
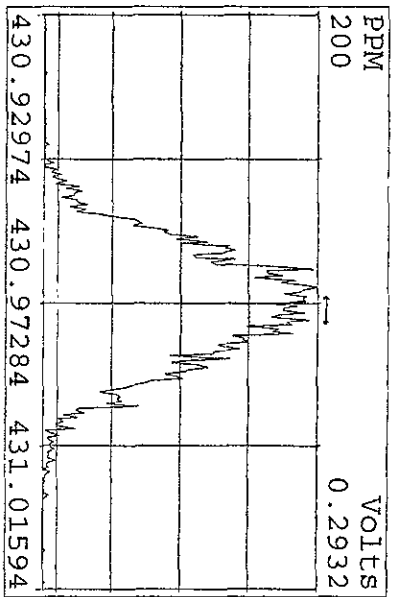
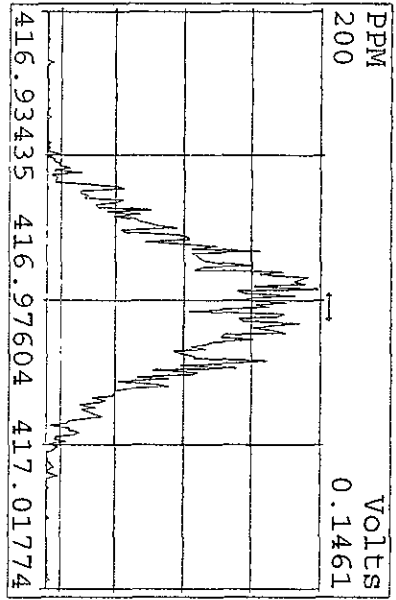
Peak Locate Examination: 29-APR-2009: 19:08 File: 29AP09C9D5  
Experiment: 209DB5 Function: 3 Reference: PK



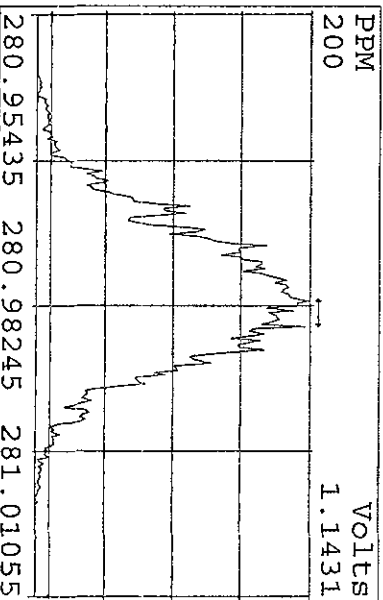
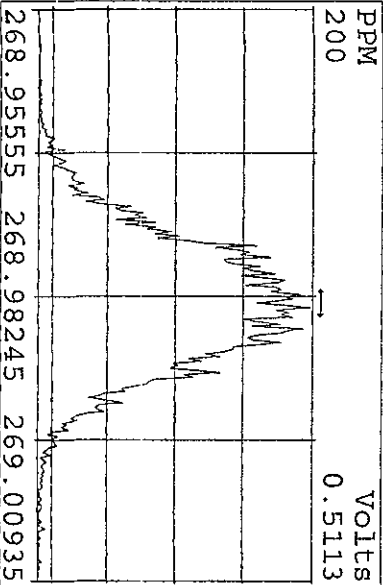
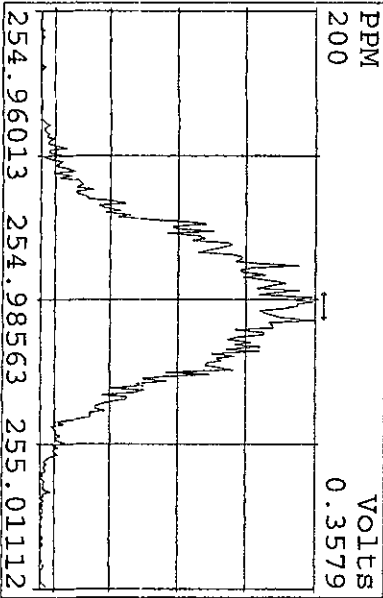
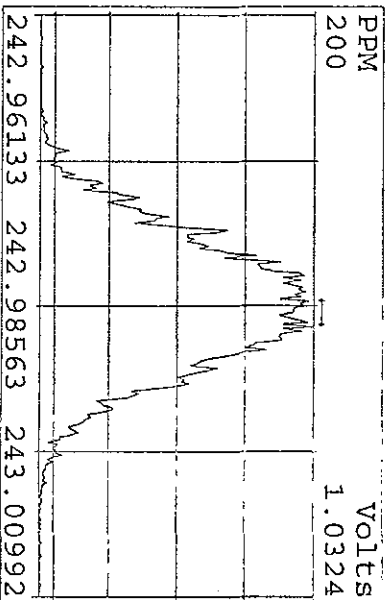
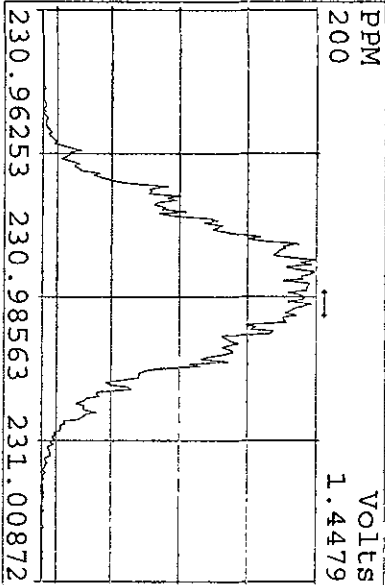
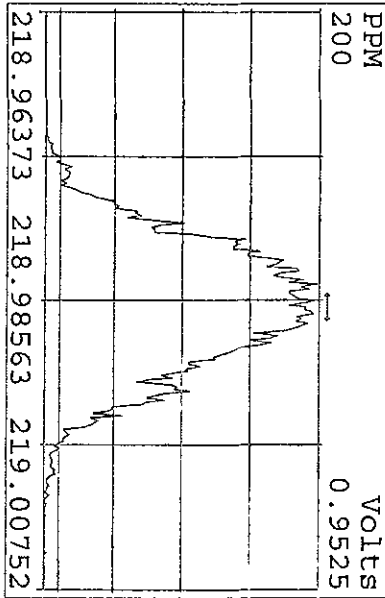
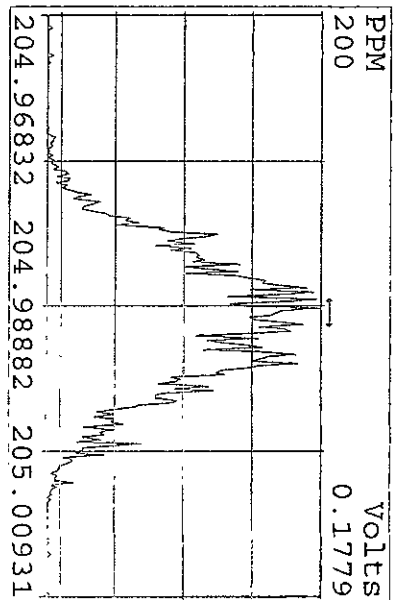
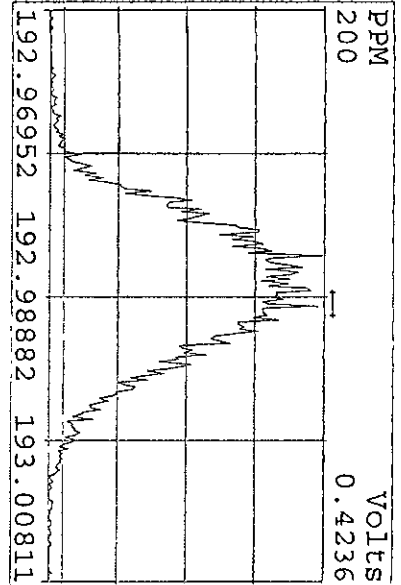
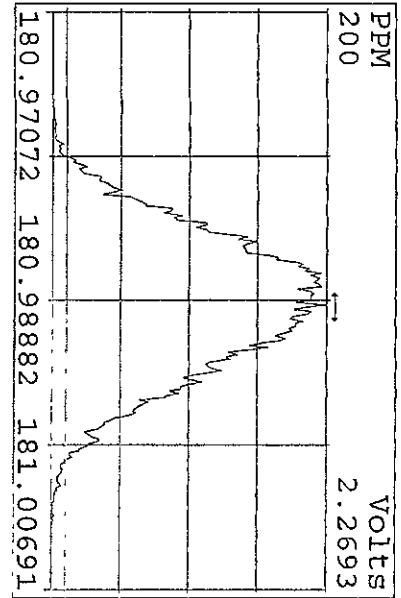
Peak Locate Examination: 29-APR-2009: 19:10 File: 29AP09C9D5  
Experiment: 209DB5 Function: 4 Reference: PFK



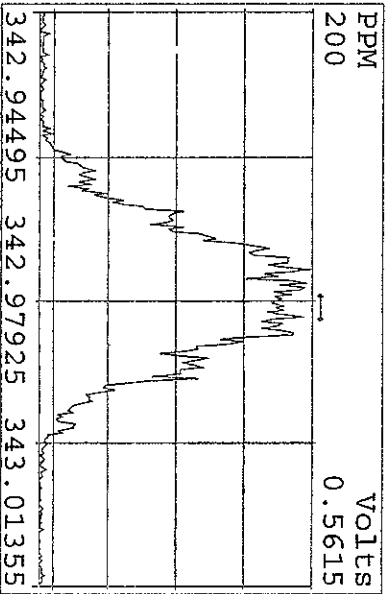
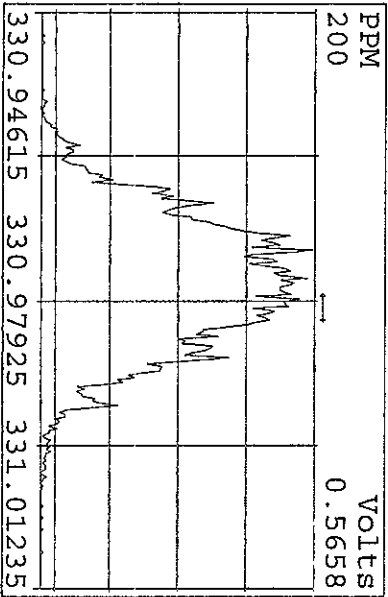
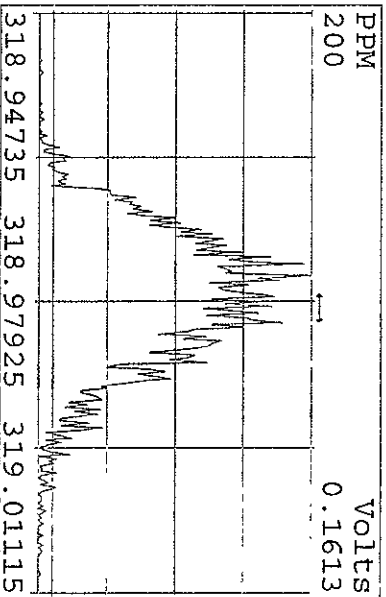
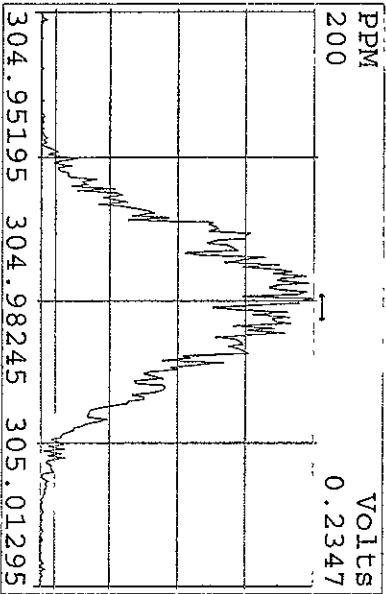
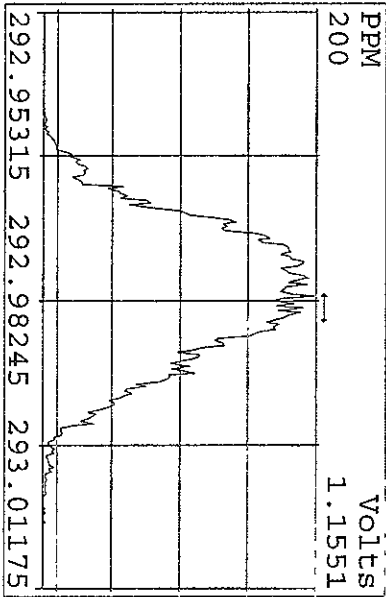
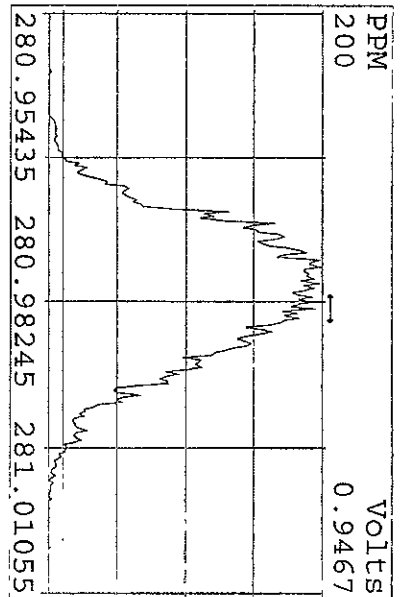
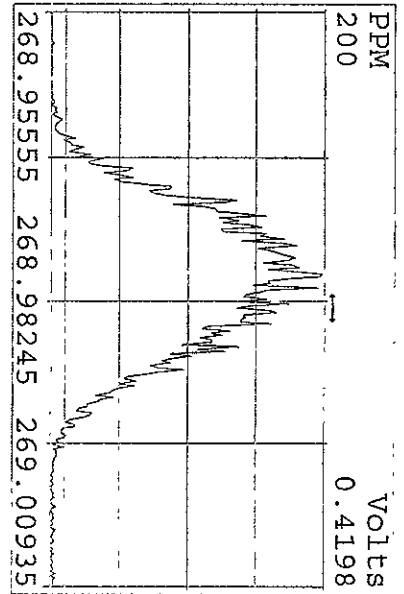
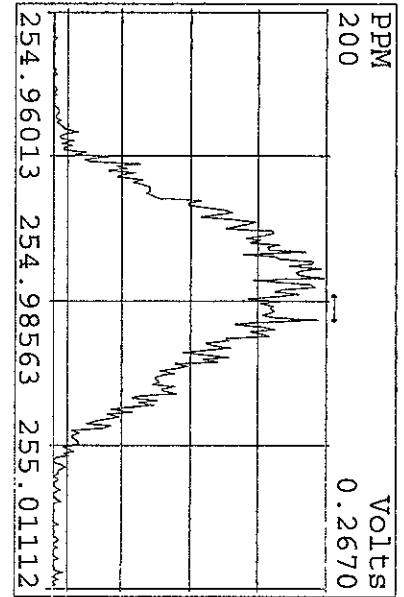
Peak Locate Examination: 29-APR-2009: 19:11 File: 29AP09C9D5  
 Experiment: 209DB5 Function: 5 Reference: PFK



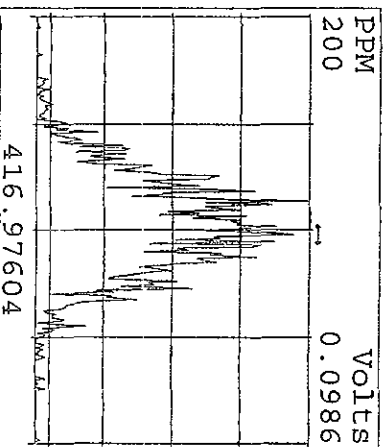
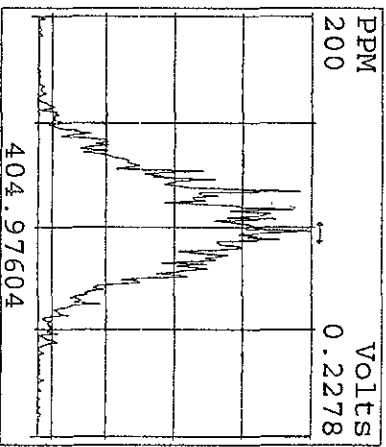
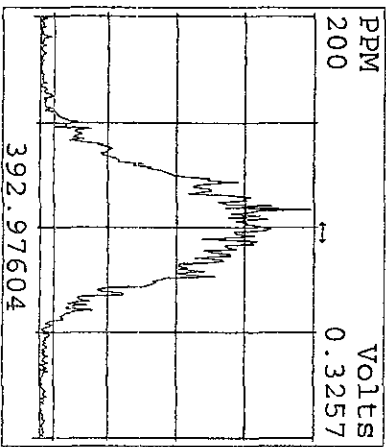
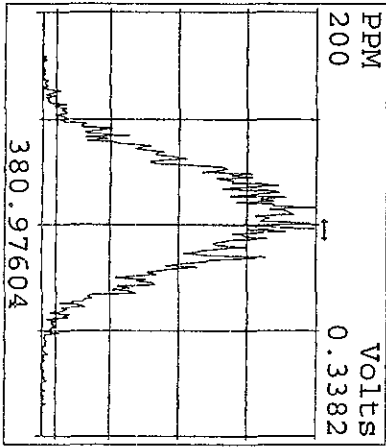
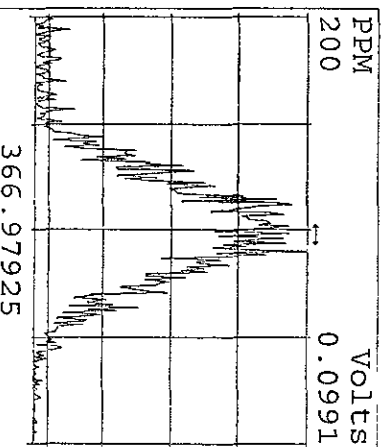
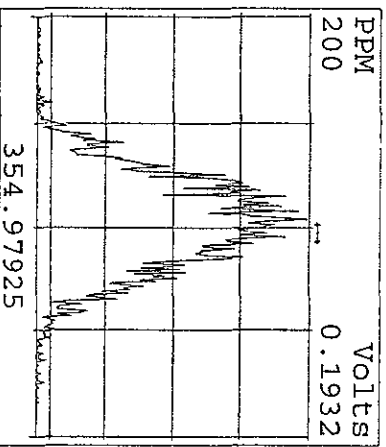
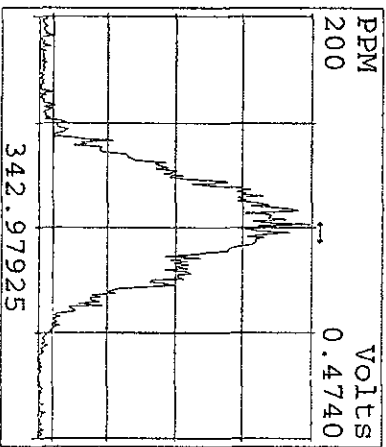
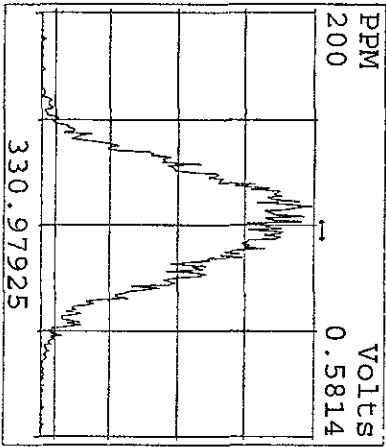
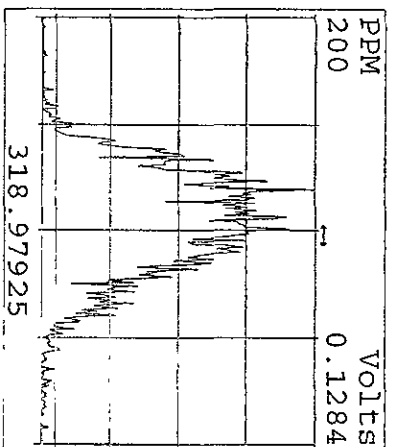
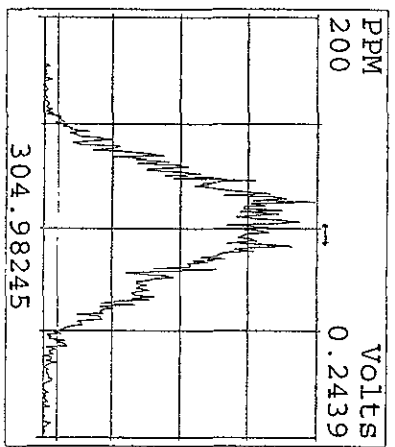
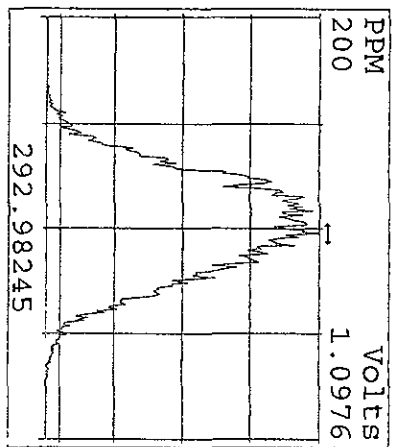
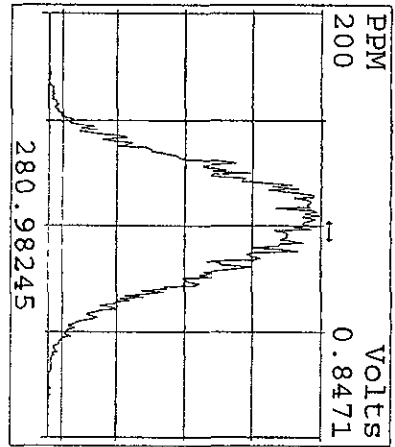
Peak Locate Examination: 1-MAY-2009:12:19 File:29AP09C9D5ENDRRES  
 Experiment:209DB5 Function:1 Reference:PFK



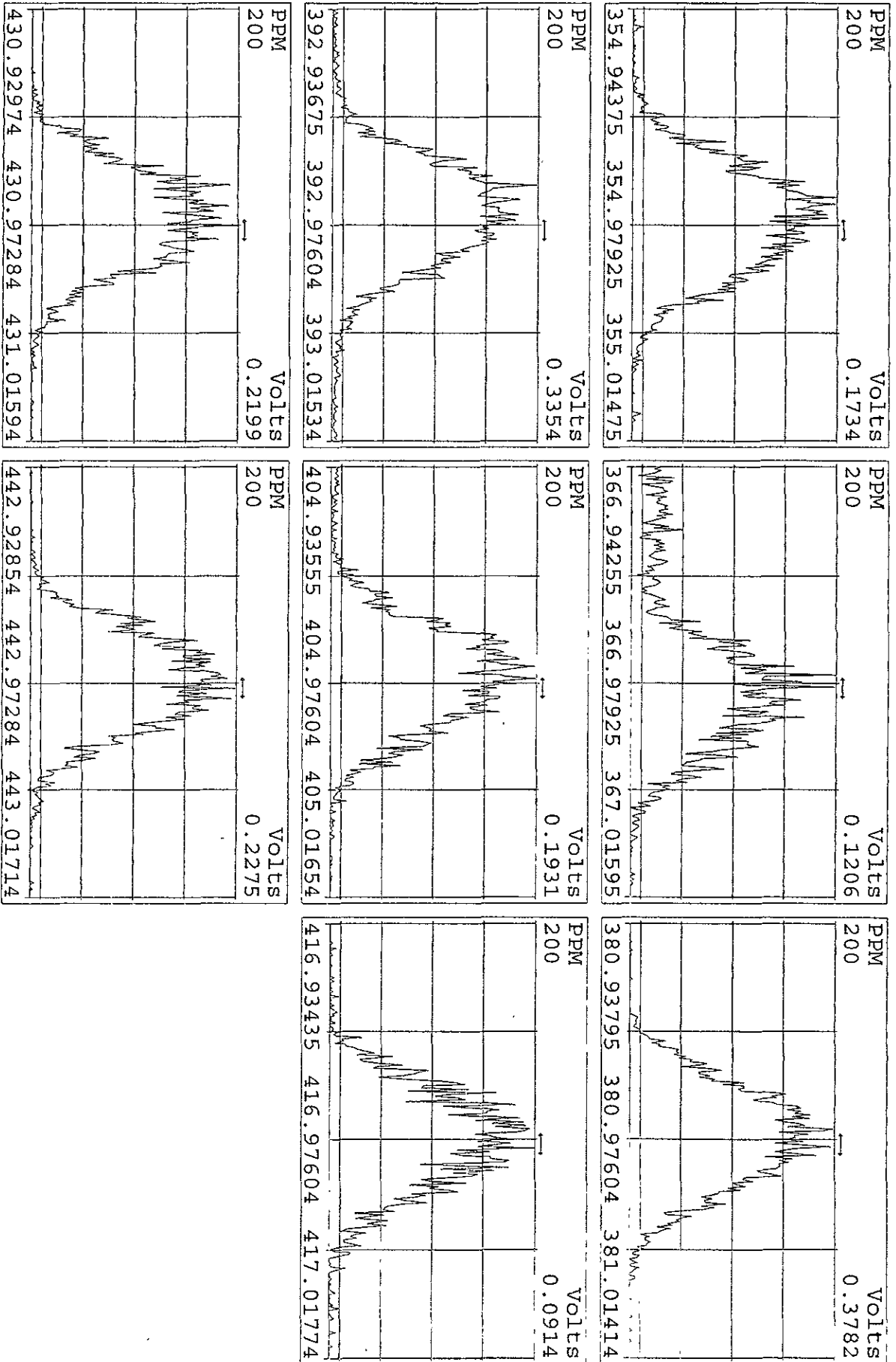
Peak Locate Examination: 1-MAY-2009:12:19 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:2 Reference:PFK



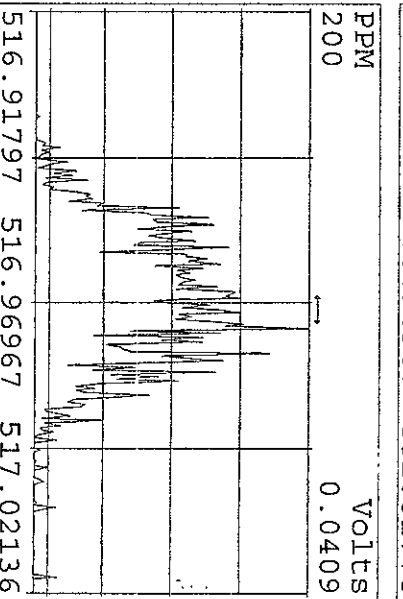
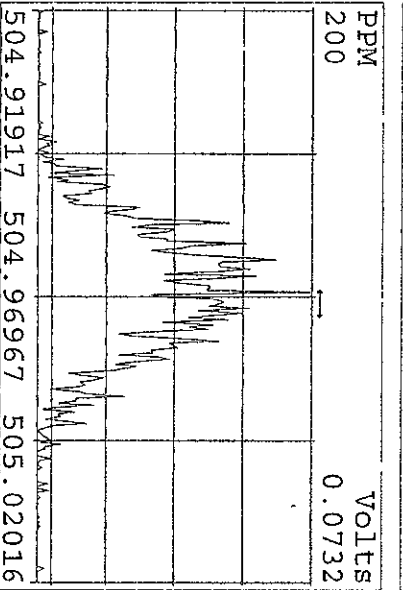
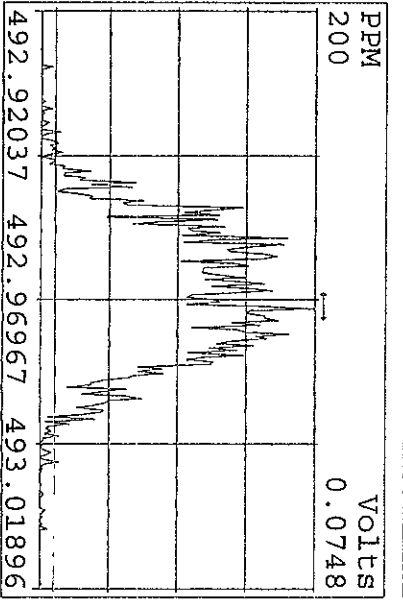
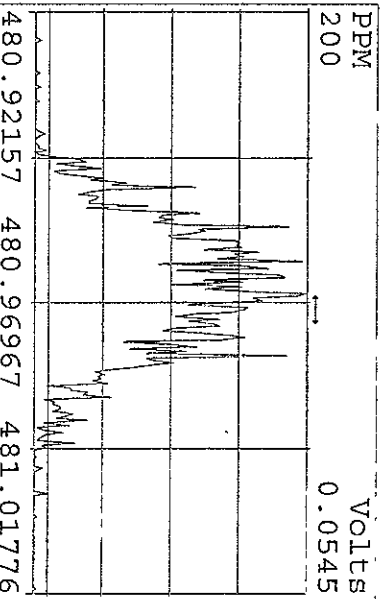
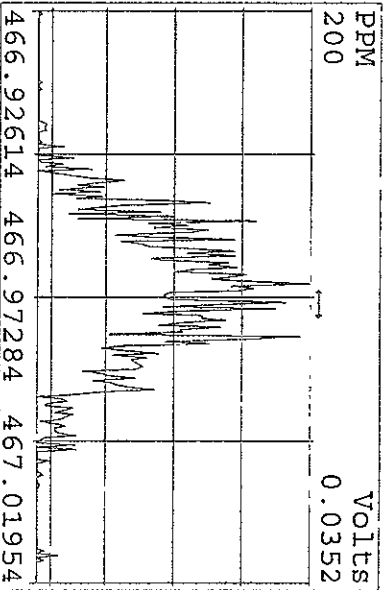
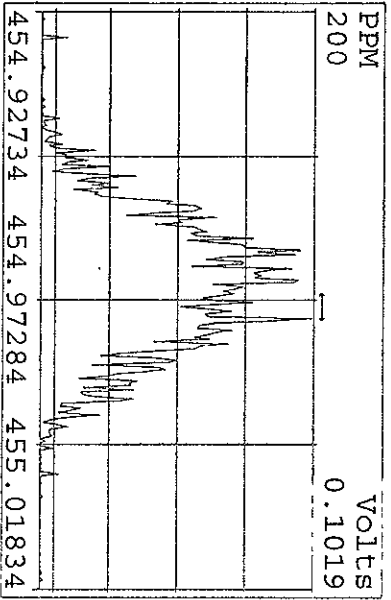
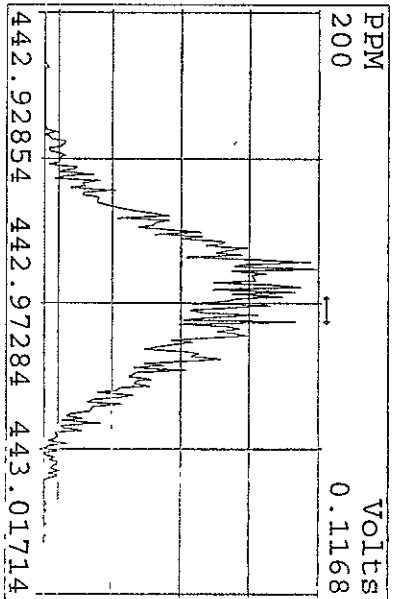
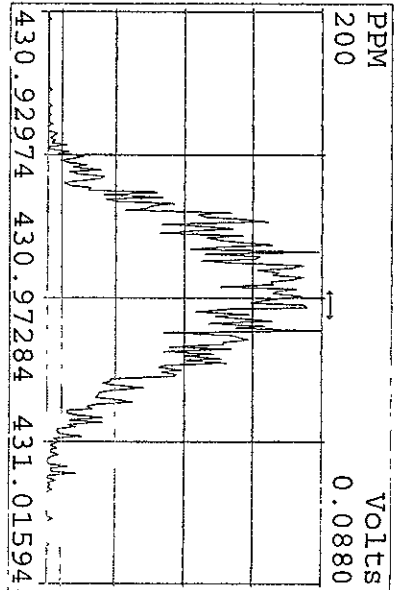
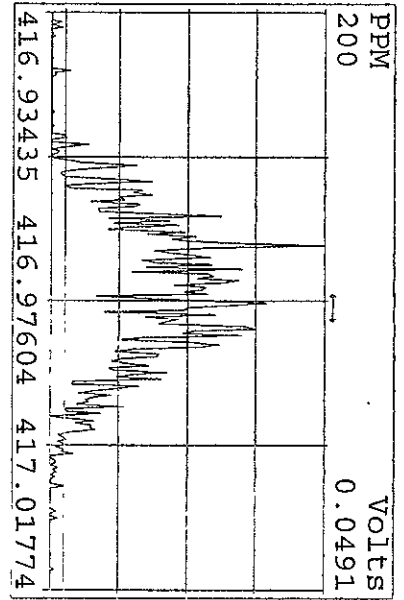
Peak Locate Examination: 1-MAY-2009:12:19 File:29AP09C9D5ENDRES  
Experiment:209DB5 Function:3 Reference:PFK



Peak Locate Examination: 1-MAY-2009:12:20 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:4 Reference:PFK

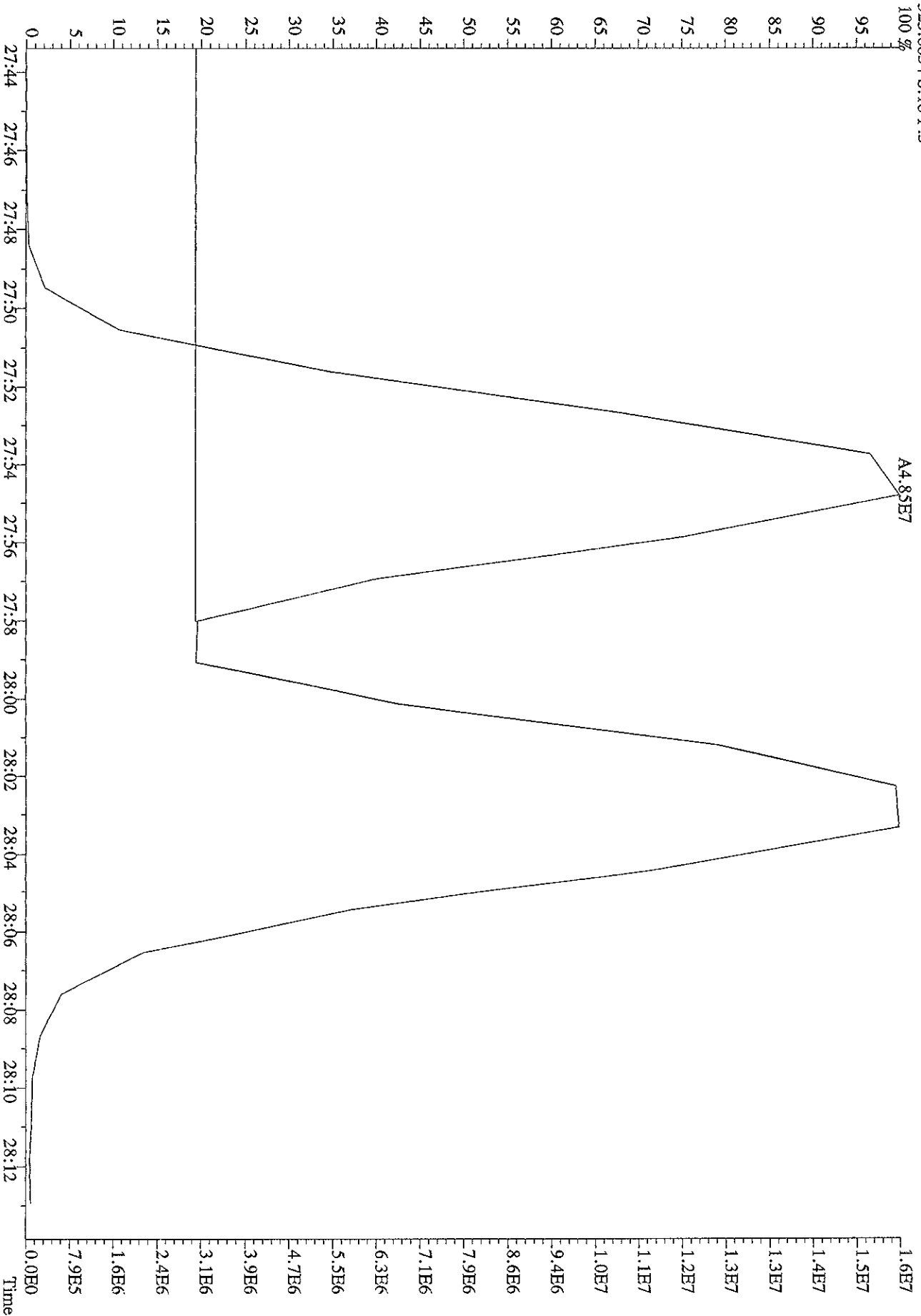


Peak Locate Examination: 1-MAY-2009:12:20 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:5 Reference:PFK





File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#18 Text: ST0429C :CS3 09DXN016 Exp: 209DB5  
 323.8834 S: 1.8 F: 3



ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
13C-MoCB-3	0.923	0.058	6.34 %	0.99	0.93	0.91	0.96	0.83
MoCB-1	1.716	0.102	5.96 %	1.62	1.76	1.79	1.59	1.82
*MoCB-3	1.482	0.053	3.57 %	1.43	1.49	1.53	1.42	1.53
Total MoCB	1.599	0.077	4.83 %	1.53	1.63	1.66	1.50	1.67

13C-DiCB-15	1.432	0.034	2.40 %	1.44	1.40	1.40	1.48	1.45
DiCB-10/4	1.548	0.082	5.32 %	1.61	1.60	1.62	1.46	1.45
DiCB-8/5	1.103	0.055	4.98 %	1.15	1.15	1.13	1.05	1.03
*DiCB-15	1.592	0.042	2.66 %	1.60	1.59	1.66	1.55	1.56
Total DiCB	1.570	0.060	3.79 %	1.61	1.59	1.64	1.51	1.51

13C-TrCB-28	1.080	0.026	2.36 %	1.07	1.09	1.09	1.04	1.11
TrCB-30	1.610	0.111	6.91 %	1.52	1.55	1.58	1.80	1.60
TrCB-18	1.420	0.060	4.25 %	1.44	1.41	1.36	1.51	1.37
Total F1 TrCB	1.299	0.076	5.82 %	1.21	1.26	1.30	1.41	1.32
*TrCB-31	1.110	0.028	2.56 %	1.07	1.10	1.11	1.15	1.11
*TrCB-28	1.285	0.108	8.43 %	1.42	1.36	1.29	1.20	1.16
TrCB-37	0.988	0.060	6.04 %	0.89	0.97	1.03	1.02	1.03
Total F2 TrCB	1.299	0.076	5.82 %	1.21	1.26	1.30	1.41	1.32

13C-TeCB-52	-	-	- %	-	-	-	-	-
13C-TeCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TeCB-54	1.453	0.071	4.91 %	1.48	1.41	1.52	1.50	1.35
TeCB-52/73	1.136	0.042	3.68 %	1.16	1.14	1.17	1.15	1.06
TeCB-47/75/48	1.511	0.396	25.5 %	2.18	1.46	1.36	1.33	1.23
TeCB-44	0.992	0.038	3.83 %	1.02	0.98	1.02	1.00	0.93
Total F2 TeCB	1.280	0.040	3.15 %	1.25	1.25	1.34	1.31	1.26
13C-TeCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TeCB-66/80	1.578	0.038	2.38 %	1.57	1.59	1.63	1.57	1.52
TeCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
TeCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
Total F3 TeCB	1.280	0.040	3.15 %	1.25	1.25	1.34	1.31	1.26

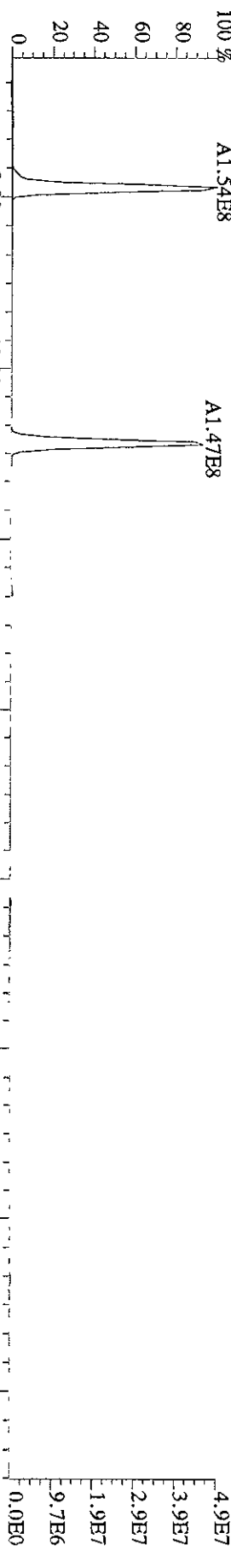
13C-PeCB-101	-	-	-	-	-	-	-	-	-	-
13C-PeCB-123	0.871	0.034	3.96	0.83	0.90	0.87	0.84	0.91		
PeCB-104	1.596	0.082	5.14	1.56	1.54	1.65	1.71	1.52		
Total F2 PeCB	1.378	0.034	2.44	1.35	1.35	1.41	1.42	1.36		
PeCB-101/89/90	1.387	0.055	3.97	1.45	1.41	1.39	1.38	1.30		
PeCB-123	1.509	0.042	2.75	1.53	1.56	1.51	1.47	1.47		
13C-PeCB-118	0.985	0.021	2.17	0.97	0.98	0.99	0.96	1.02		
PeCB-118/106	1.528	0.032	2.09	1.53	1.57	1.55	1.50	1.50		
13C-PeCB-114	0.966	0.032	3.34	0.95	0.96	0.96	0.93	1.02		
PeCB-114	1.585	0.060	3.78	1.63	1.66	1.58	1.52	1.53		
13C-PeCB-105	0.897	0.027	3.04	0.88	0.91	0.88	0.87	0.94		
PeCB-105/127	1.422	0.044	3.07	1.43	1.49	1.43	1.38	1.39		
13C-PeCB-126	0.912	0.057	6.22	0.88	0.95	0.88	0.86	0.99		
PeCB-126	1.173	0.024	2.05	1.16	1.15	1.20	1.16	1.19		
Total F3 PeCB	1.378	0.034	2.44	1.35	1.35	1.41	1.42	1.36		
13C-OcCB-202	-	-	-	-	-	-	-	-		
13C-HxCB-167	0.842	0.039	4.69	0.80	0.85	0.84	0.81	0.90		
HxCB-155	1.885	0.151	8.01	1.86	1.77	1.99	2.09	1.72		
HxCB-153	1.712	0.094	5.47	1.75	1.71	1.74	1.81	1.56		
HxCB-137	1.467	0.073	4.97	1.47	1.44	1.49	1.57	1.37		
HxCB-138/163/164	1.551	0.083	5.33	1.60	1.52	1.58	1.63	1.42		
Total F3 HxCB	1.436	0.077	5.37	1.39	1.38	1.50	1.54	1.37		
HxCB-128	1.079	0.077	7.09	1.14	1.10	1.15	0.97	1.03		
HxCB-167	1.169	0.065	5.60	1.11	1.19	1.15	1.27	1.13		
13C-HxCB-156	0.670	0.035	5.27	0.63	0.68	0.67	0.65	0.72		
HxCB-156	1.452	0.027	1.83	1.48	1.47	1.46	1.43	1.42		
13C-HxCB-157	0.707	0.037	5.24	0.68	0.73	0.71	0.67	0.76		
HxCB-157	1.446	0.022	1.50	1.47	1.46	1.45	1.43	1.41		
13C-HxCB-169	0.733	0.065	8.90	0.69	0.77	0.72	0.66	0.82		
HxCB-169	0.989	0.040	4.03	0.92	0.98	1.01	1.01	1.01		
Total F4 HxCB	1.436	0.077	5.37	1.39	1.38	1.50	1.54	1.37		
13C-HpCB-180	0.585	0.020	3.35	0.58	0.59	0.59	0.55	0.61		
HpCB-188	2.096	0.154	7.37	2.00	1.95	2.22	2.30	2.01		
HpCB-187/182	1.918	0.067	3.50	1.96	1.90	1.93	1.99	1.81		
Total F3 HpCB	1.667	0.088	5.28	1.56	1.62	1.74	1.77	1.64		
HpCB-180	1.265	0.049	3.90	1.23	1.35	1.27	1.25	1.23		
13C-HpCB-170	0.474	0.021	4.37	0.46	0.48	0.48	0.45	0.51		
HpCB-170/190	1.606	0.066	4.08	1.70	1.64	1.59	1.56	1.54		
13C-HpCB-189	0.599	0.043	7.22	0.58	0.63	0.58	0.55	0.66		
HpCB-189	1.206	0.061	5.08	1.10	1.24	1.25	1.22	1.22		

Total F4 HPCB	1.667	0.088	5.28	%	1.56	1.62	1.74	1.77	1.64
13C-OCGB-194	3.409	0.029	7.12	%	0.40	0.43	0.41	0.37	0.44
OCGB-202	2.162	0.152	7.02	%	2.13	2.01	2.23	2.39	2.05
Total F4 OCGB	1.700	0.088	5.16	%	1.66	1.60	1.75	1.83	1.66
OCGB-195	1.611	0.027	1.70	%	1.62	1.60	1.63	1.64	1.57
*OCGB-194	1.239	0.042	3.39	%	1.19	1.19	1.27	1.26	1.27
Total F5 OCGB	1.700	0.088	5.16	%	1.66	1.60	1.75	1.83	1.66
13C-NOCB-208	0.643	0.021	3.33	%	0.63	0.66	0.64	0.61	0.66
*NOCB-208	1.112	0.032	2.92	%	1.07	1.09	1.15	1.11	1.14
NOCB-206	0.725	0.061	8.42	%	0.64	0.75	0.74	0.70	0.80
Total F5 NOCB	0.919	0.043	4.70	%	0.86	0.92	0.95	0.90	0.97
13C-DeCB-209	0.460	0.039	8.40	%	0.44	0.49	0.44	0.41	0.51
*DeCB-209	1.505	0.044	2.96	%	1.57	1.51	1.50	1.45	1.50
13C-MOCB-1	1.951	0.204	10.5	%	1.77	1.88	1.85	1.96	2.29
13C-DICB-4	0.926	0.056	6.09	%	0.89	0.89	0.88	0.98	1.00
13C-TRCB-19	1.031	0.139	13.5	%	0.96	0.94	0.90	1.24	1.11
13C-TeCB-54	1.722	0.127	7.35	%	1.67	1.59	1.65	1.91	1.79
13C-PeCB-111	1.417	0.069	4.88	%	1.47	1.41	1.44	1.46	1.30
13C-HXCB-138	-	-	-	%	-	-	-	-	-

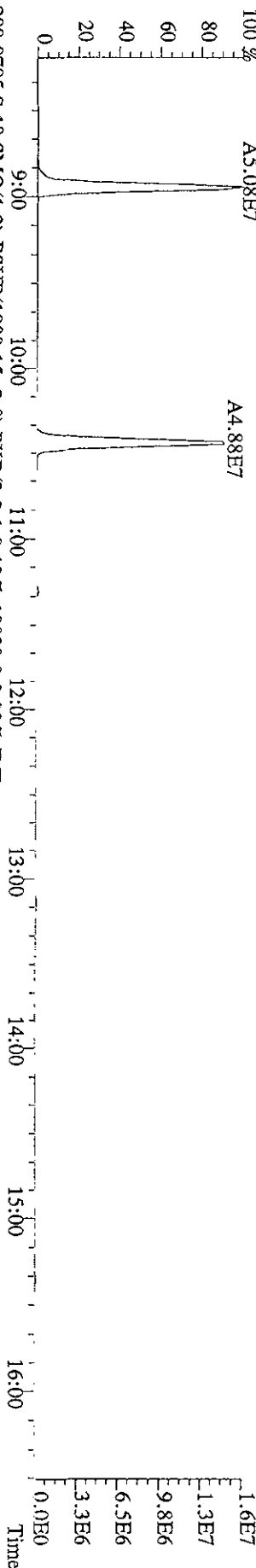
File:29AP09C9D5 #1-565 Acq:30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-Ultimate

Sample#18 Text:ST0429C :CSS 09DXN016 Exp:209DB5

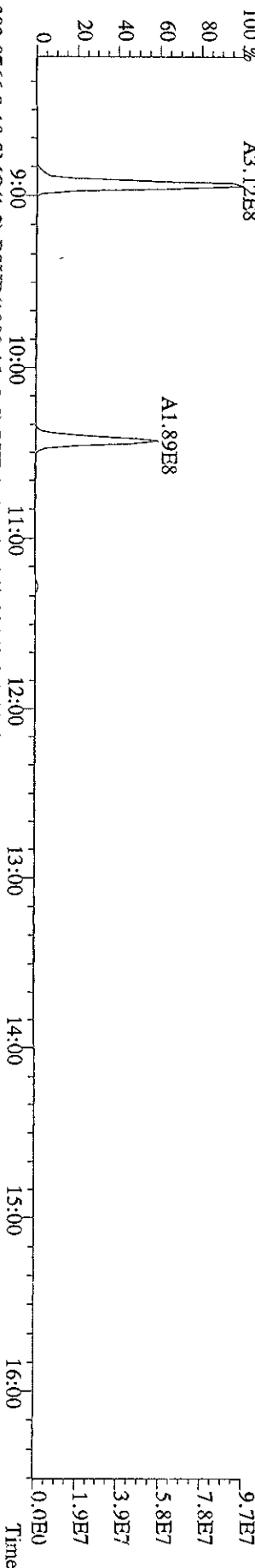
188.0393 S:18 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6088,0,0,00%,F,T)



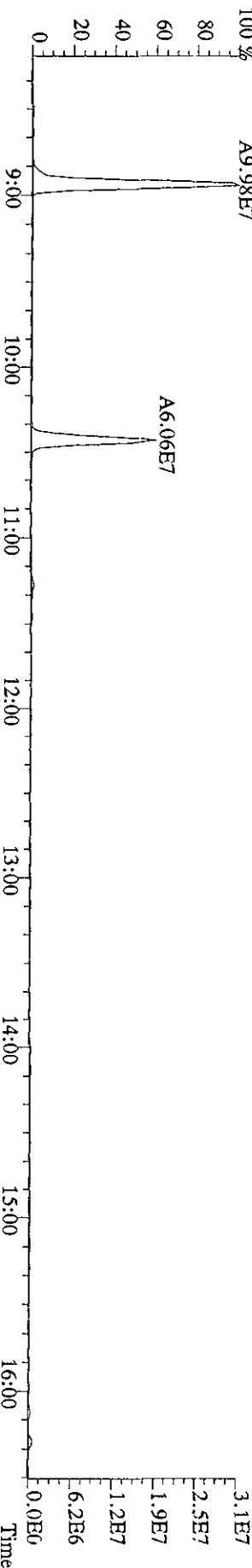
190.0363 S:18 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3480,0,0,00%,F,T)



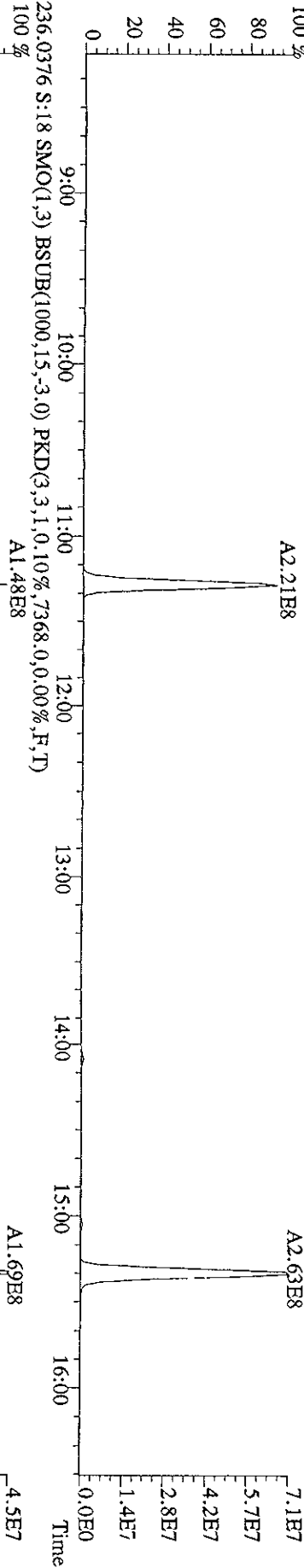
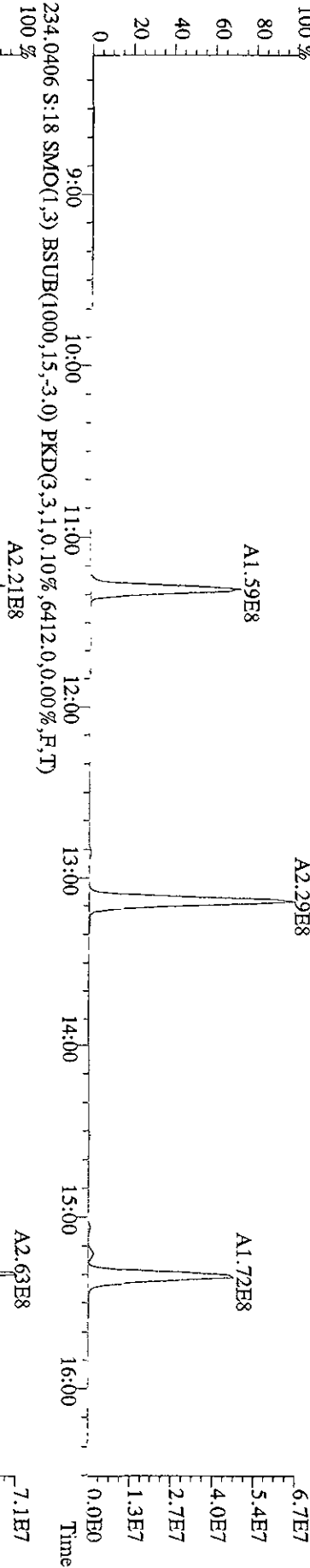
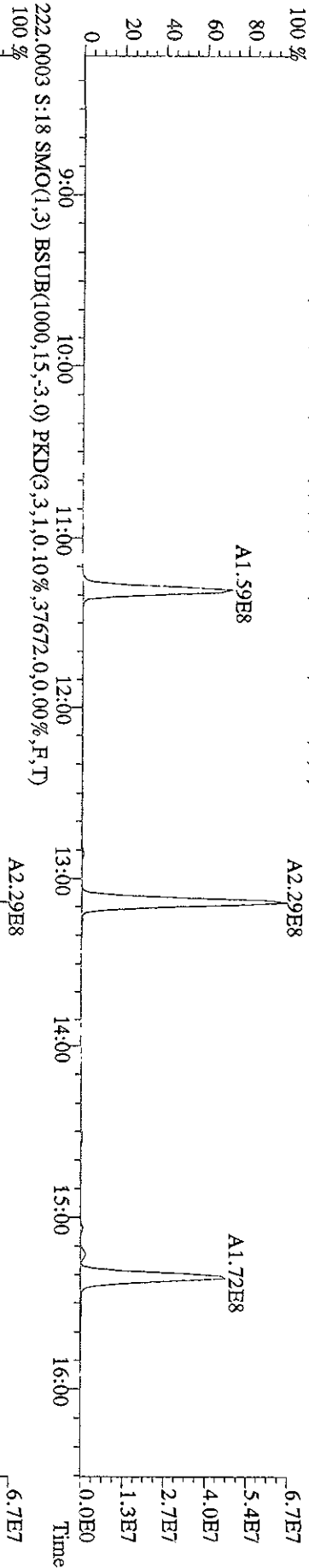
200.0795 S:18 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10028,0,0,00%,F,T)



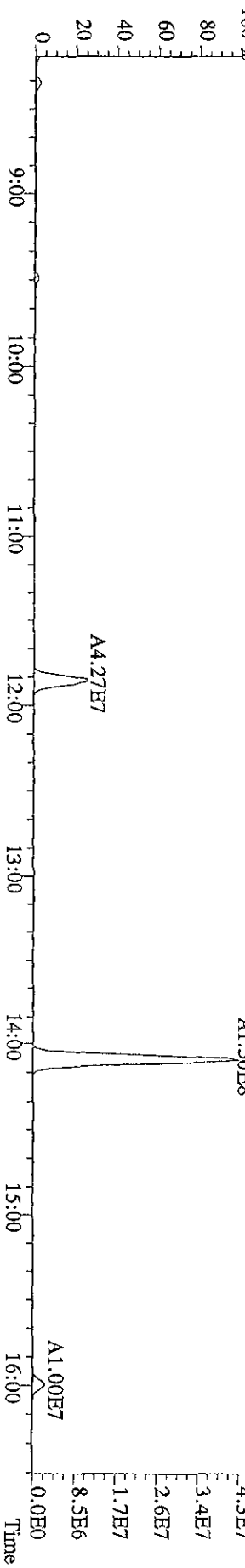
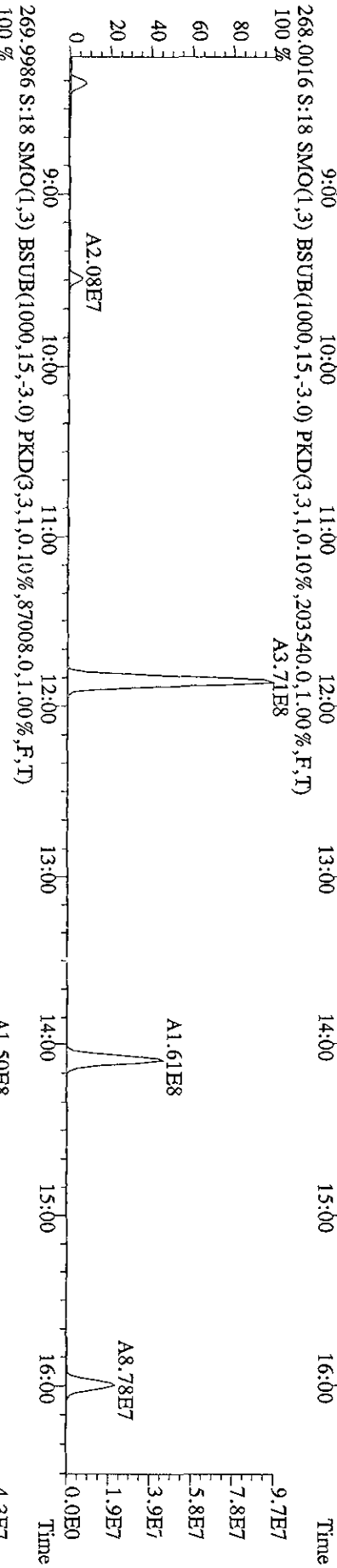
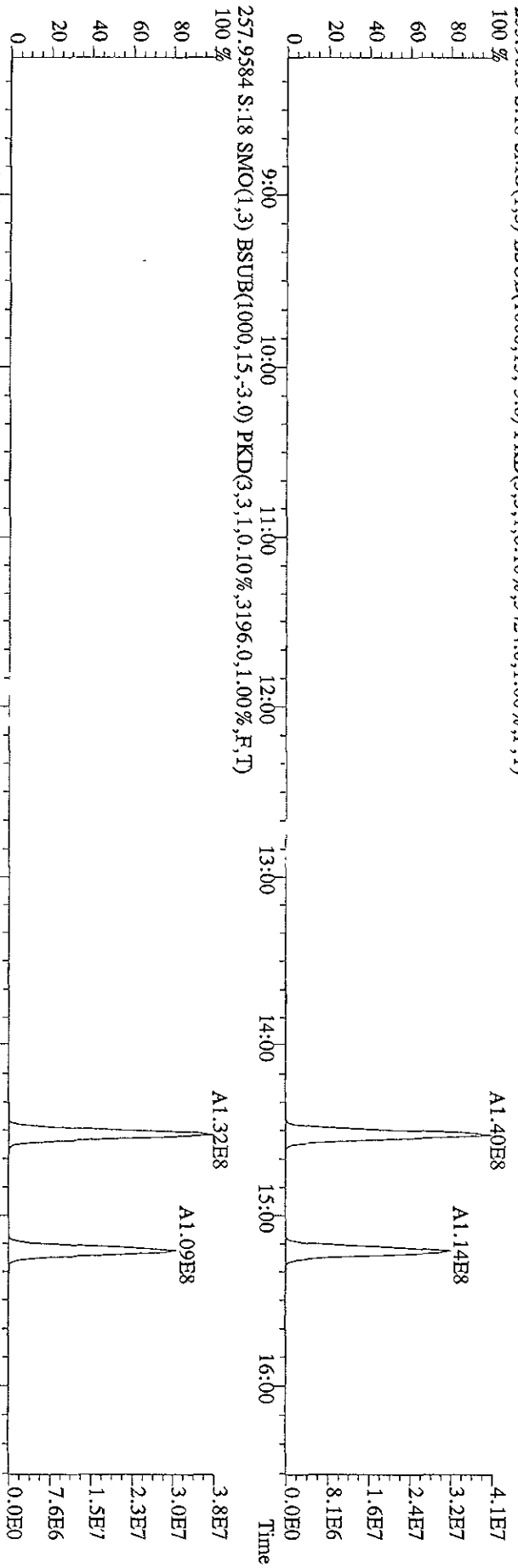
202.0766 S:18 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,93140,0,0,00%,F,T)



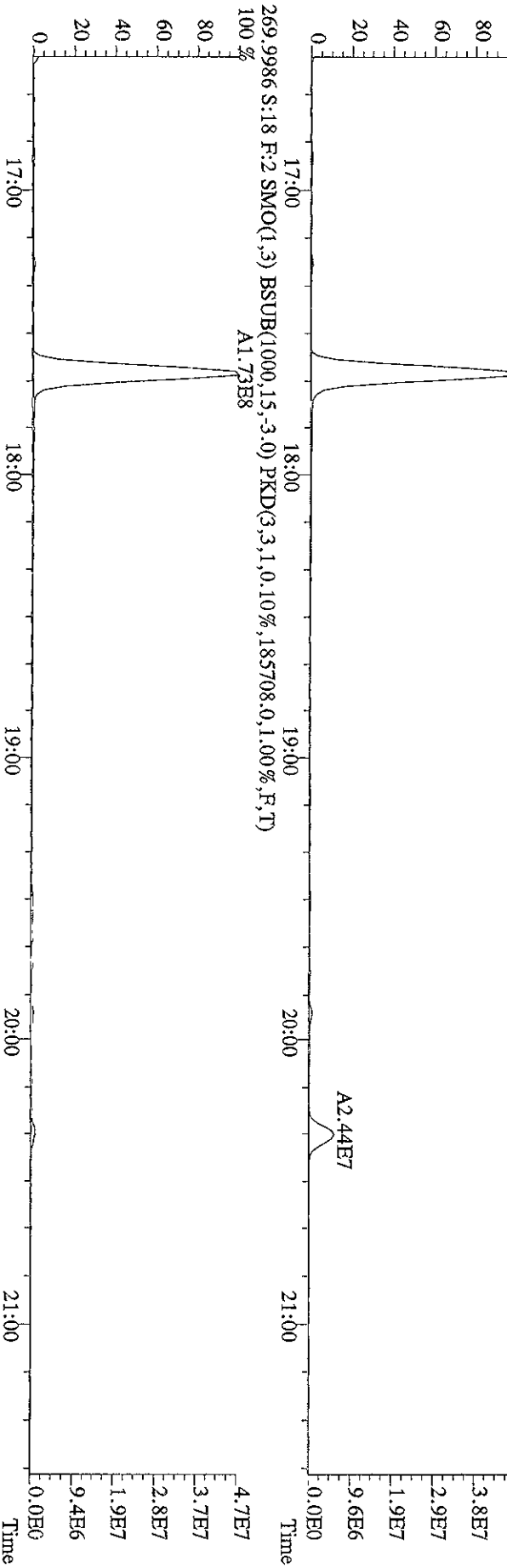
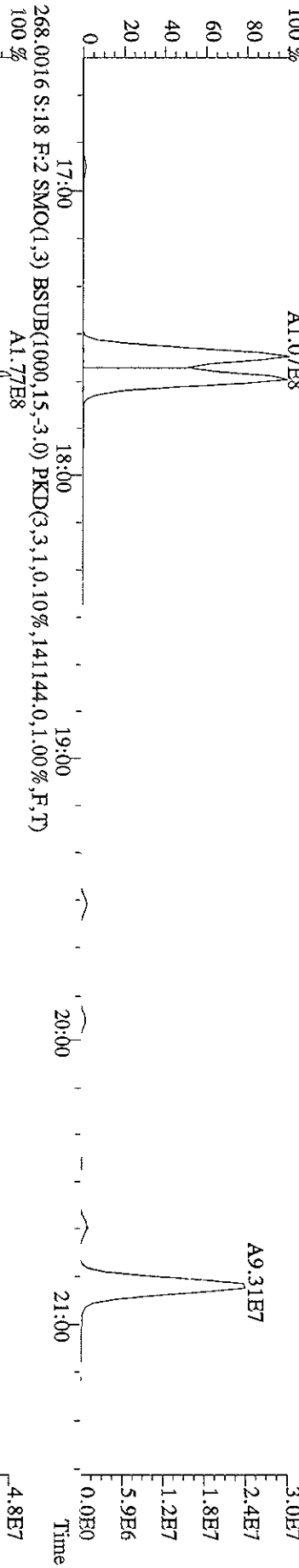
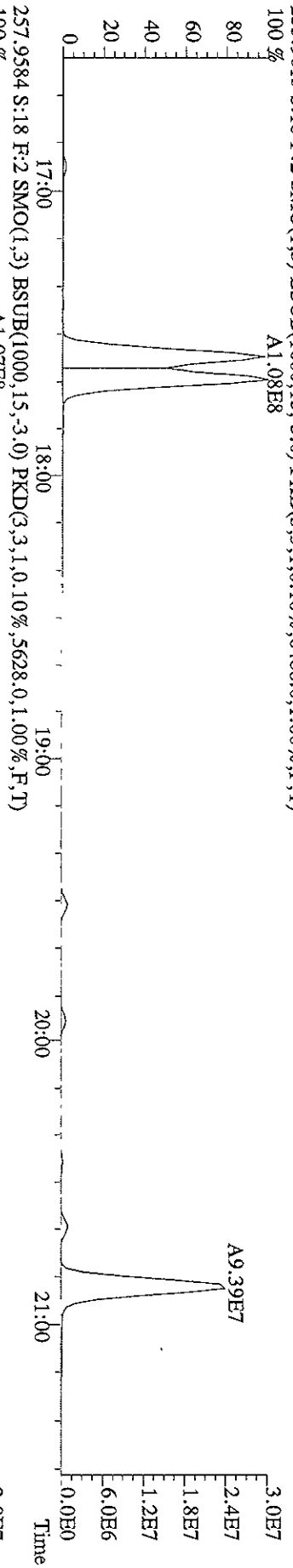
File:29AP09C9D5 #1-565 Acq:30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#18 Text:ST0429C ;CS3 09DXN016 Exp:209DB5  
 222.0003 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,37672,0,0,00%,F,T)



File: 29AP09C9D5 #1-565 Acq:30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text:ST0429C ;CS3 09DXN016 Exp:209DB5  
 255.9613 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5424,0,1.00%,F,T)

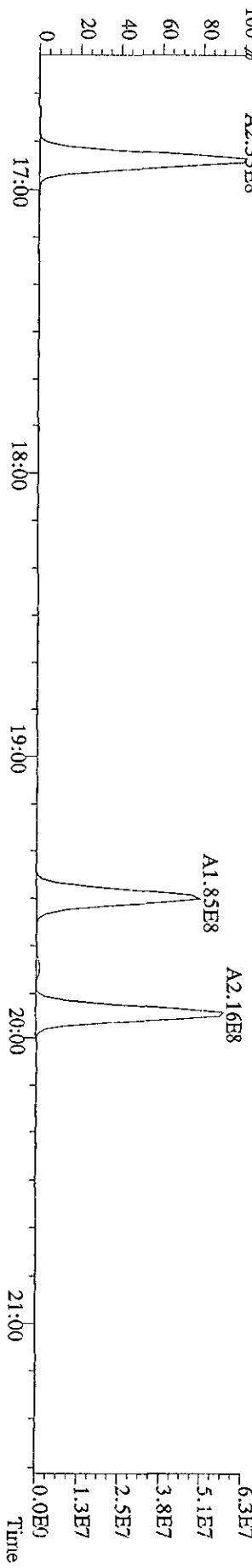
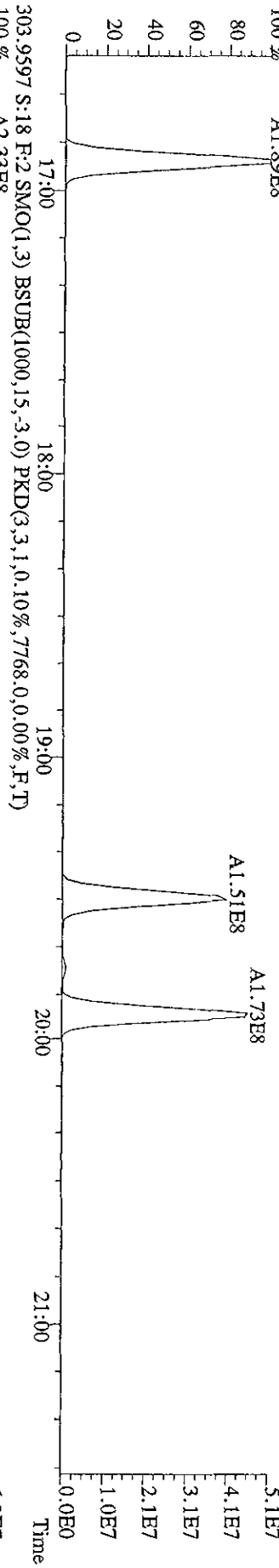
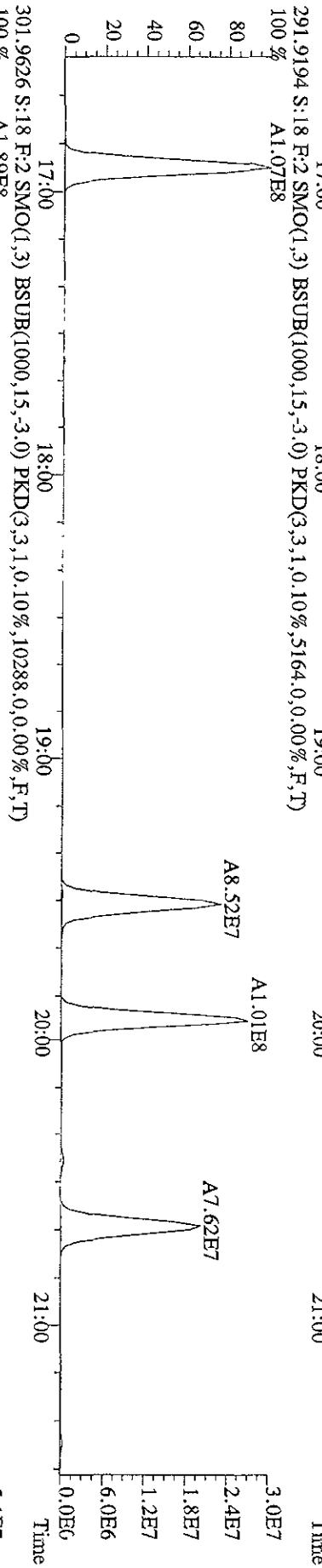
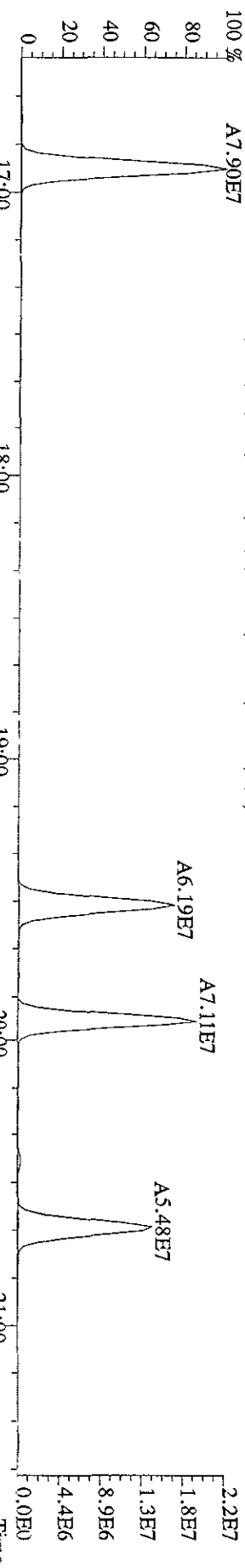


File:29AP09C9D5 #1-364 Acq:30-APR-2009 09:46:36 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#18 Text:ST0429C :CS3 09DXN016 Exp:209DB5  
 255.9613 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6488.0,1.00%,F,T)  
 100 %

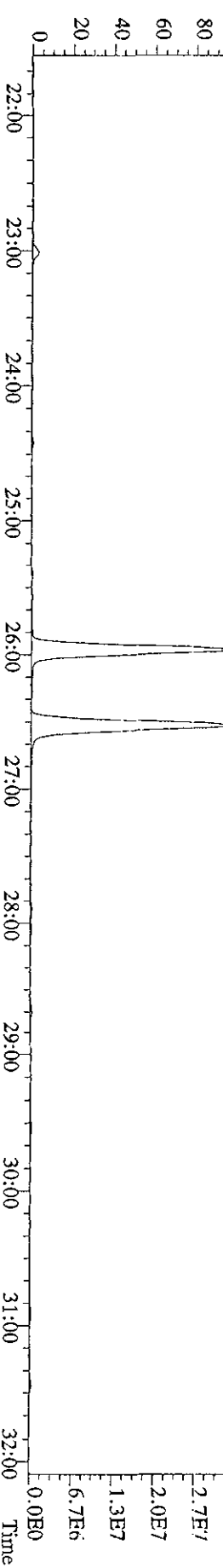
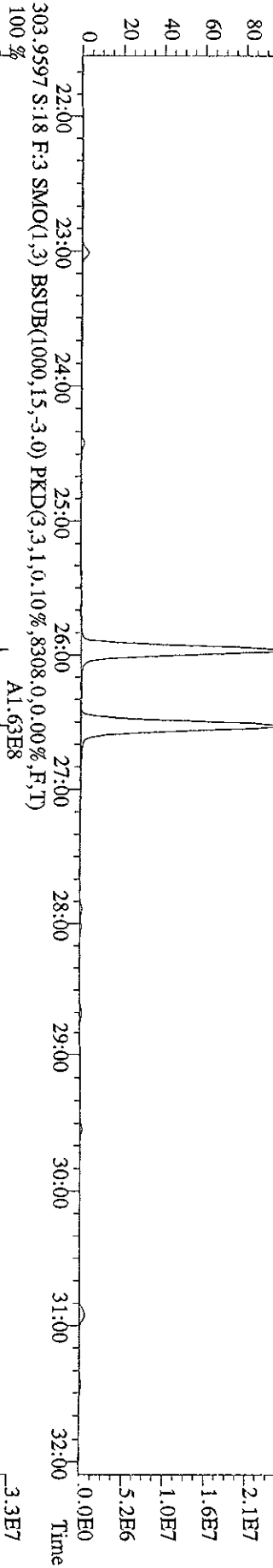
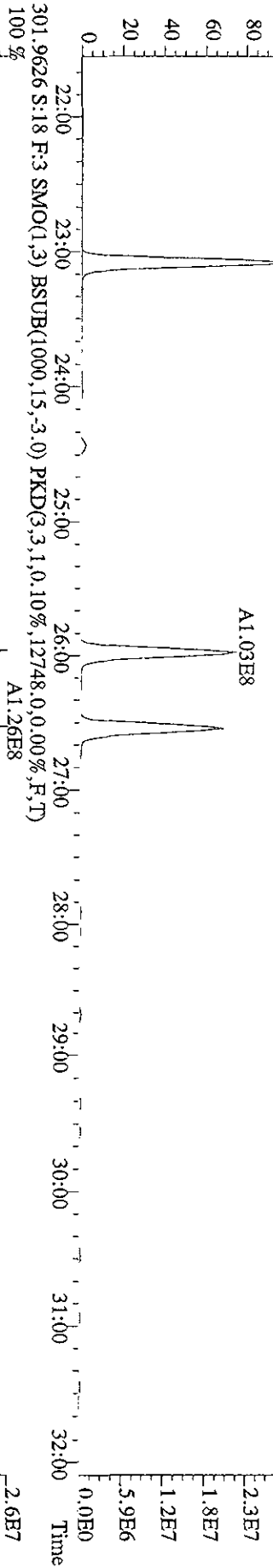
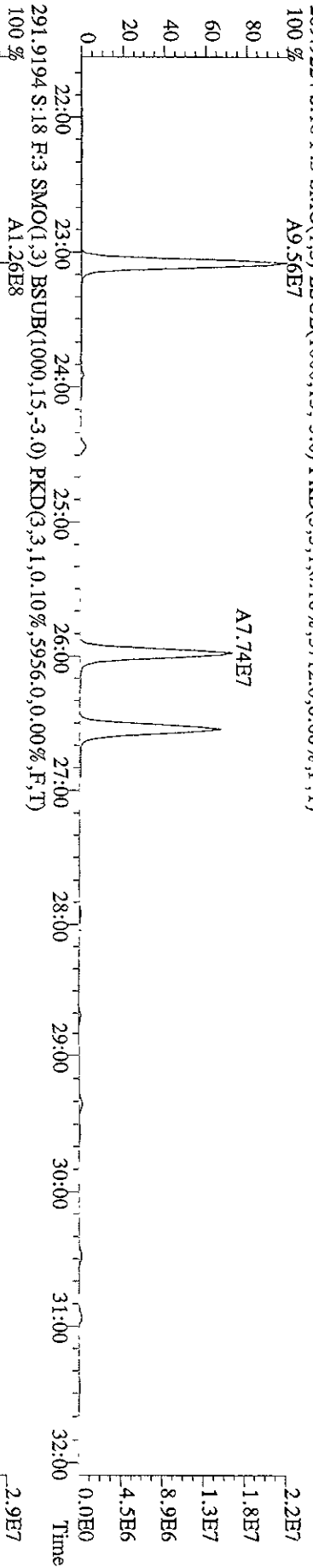




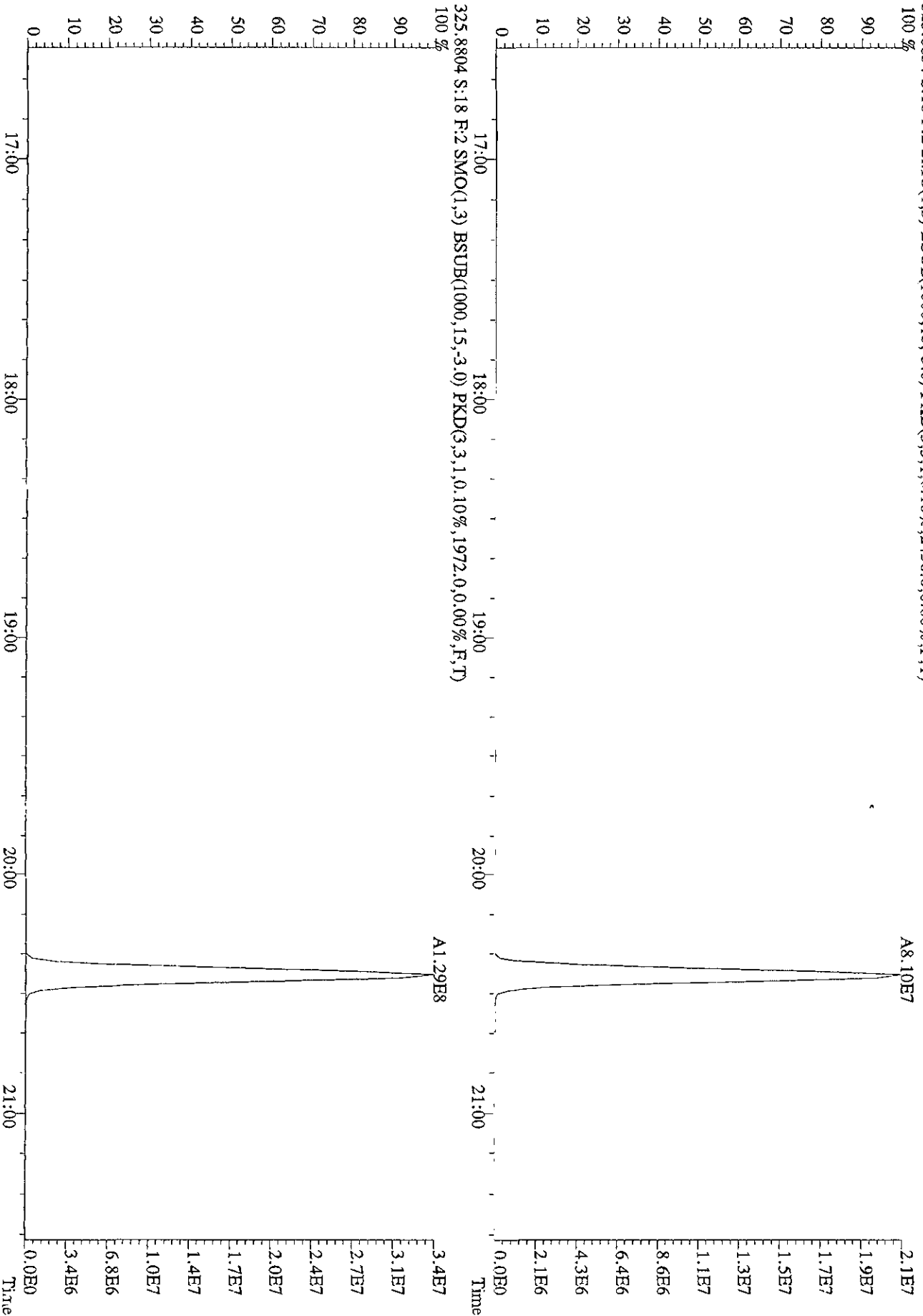
File: 29AP09C9D5 #1-364 Acq: 30-APR-2009 09:46:36 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#18 Text: ST0429C :CS3 09DXN016 Exp: 209DB5  
 289.9224 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1916,0,0,00%,F,T)  
 100% A7.90E7



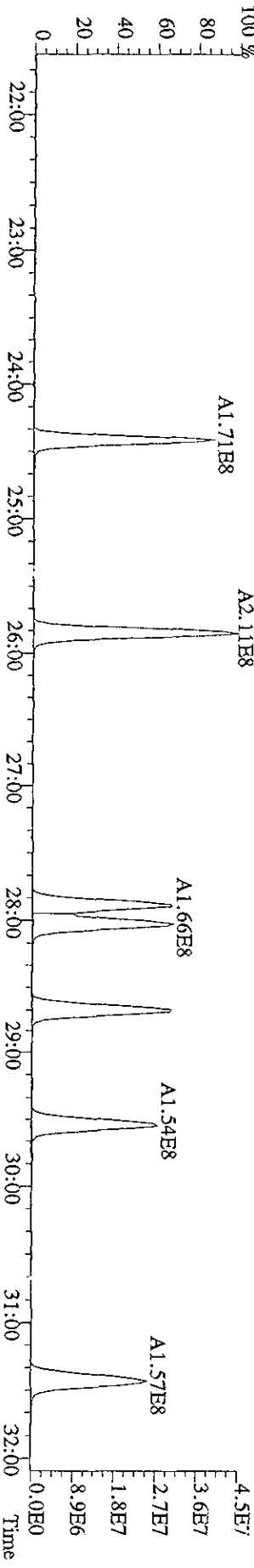
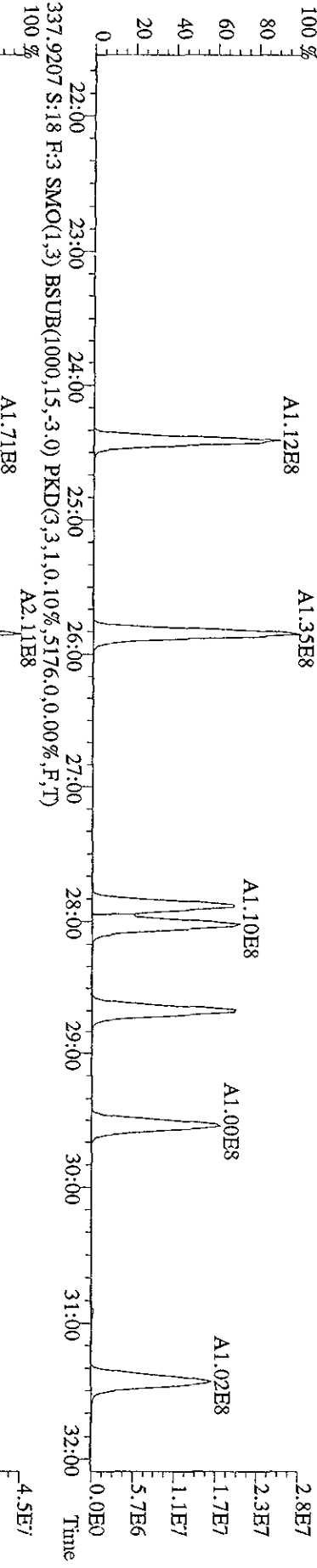
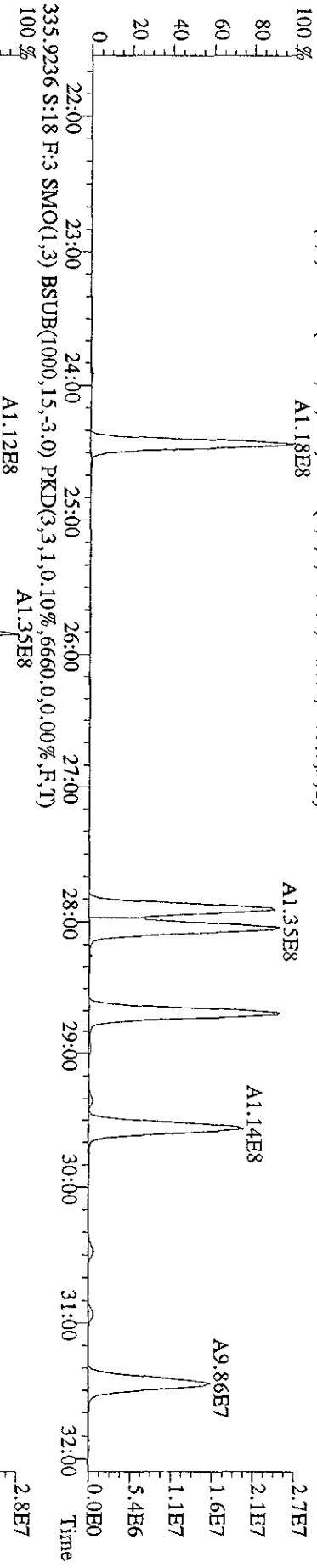
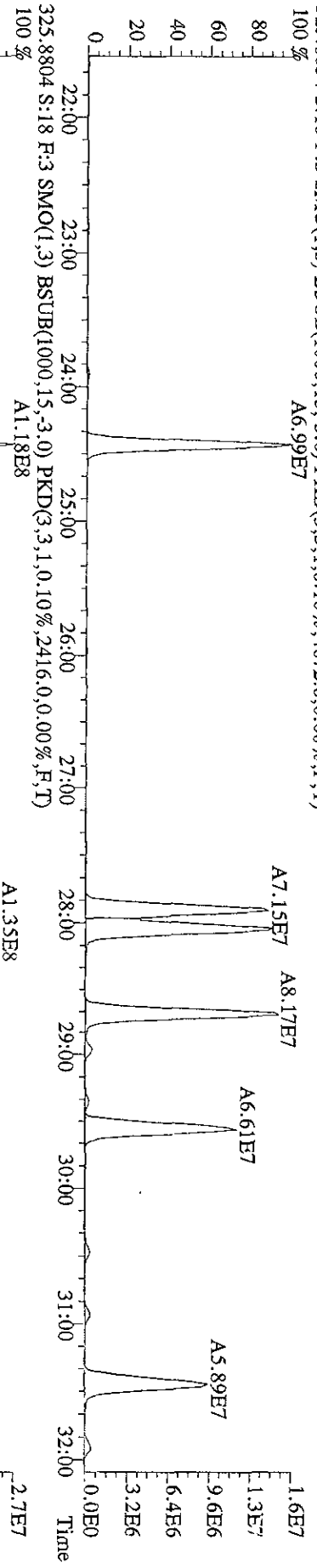
File:29AP09C9D5 #1-594 Acq:30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text:ST0429C :CS3 09DXN016 Exp:209DB5  
 289.9724 S:18 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5712.0,0.00%,F,T)  
 100% A9.56E7



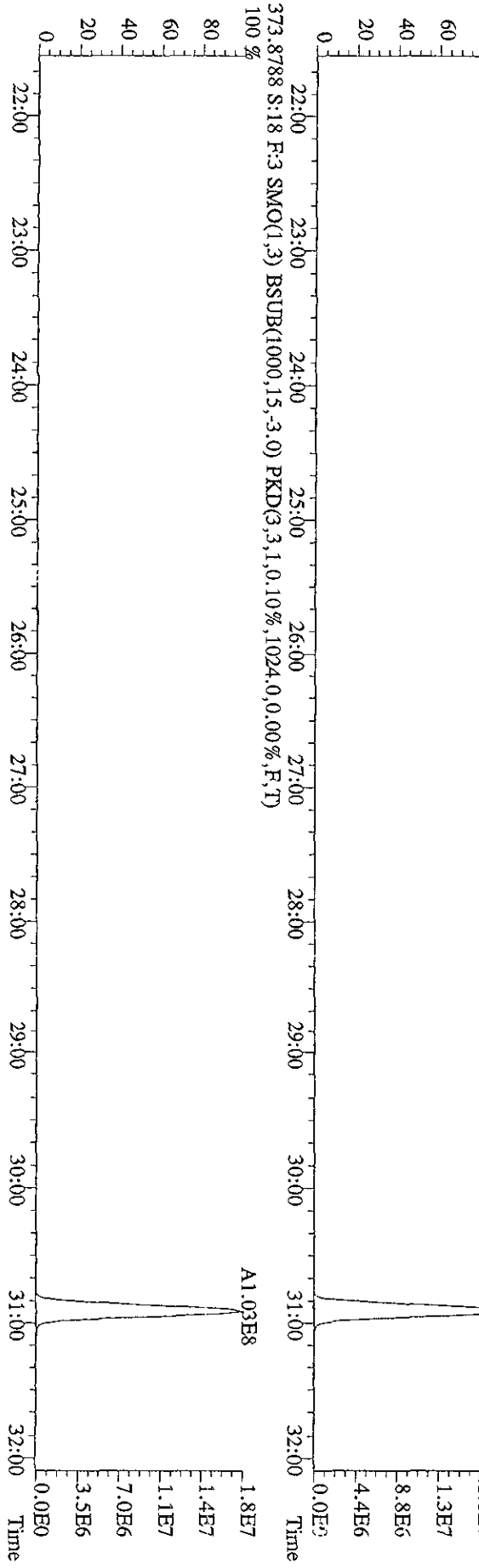
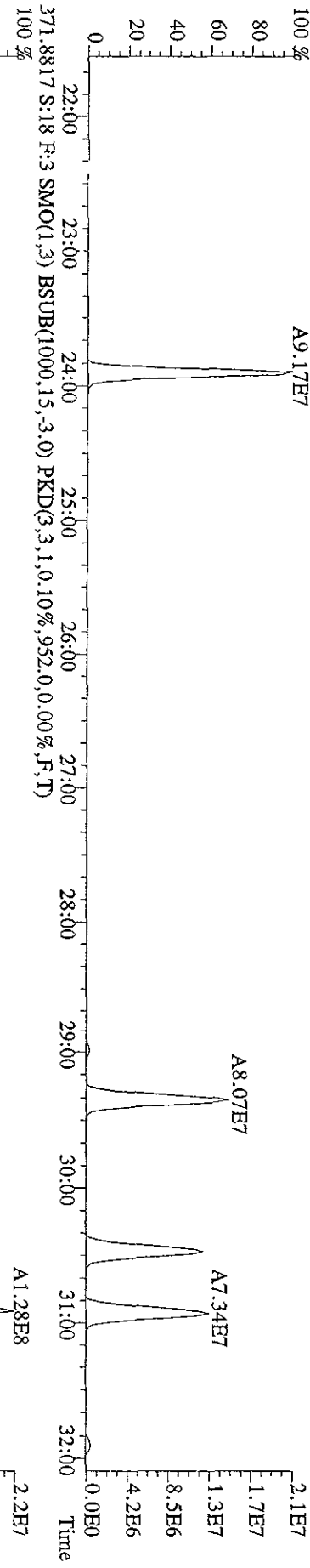
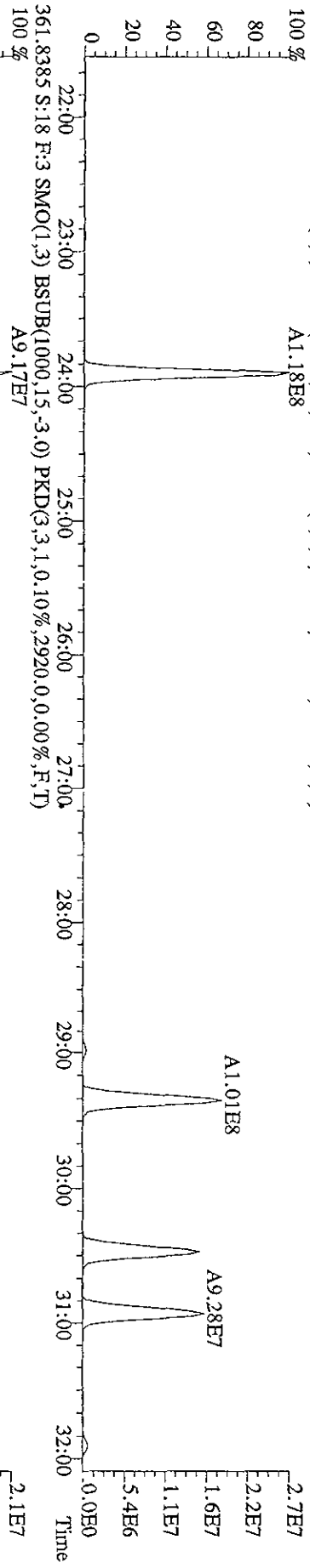
File:29AP09C9D5 #1-364 Acq:30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#18 Text:ST0429C :CS3 09DXN016 Exp:20:DB5  
323.8834 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,1,1.10%,2456,0,0,0.00%,F,T)



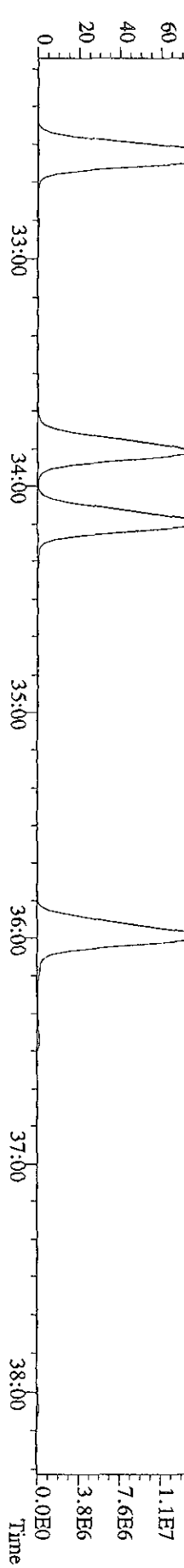
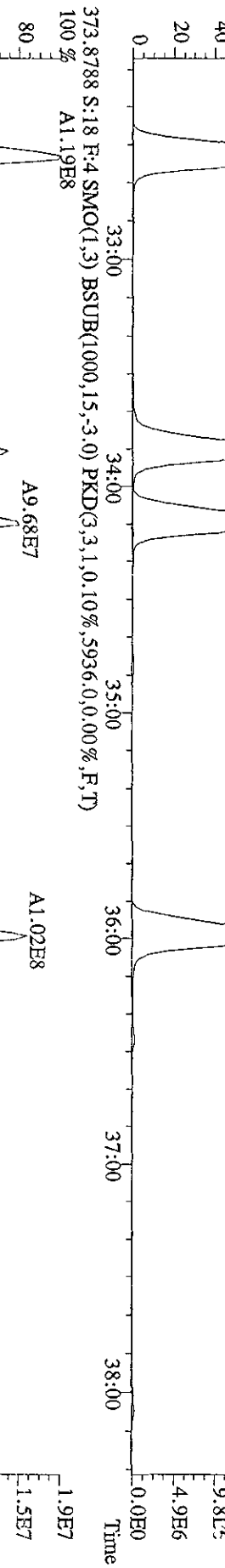
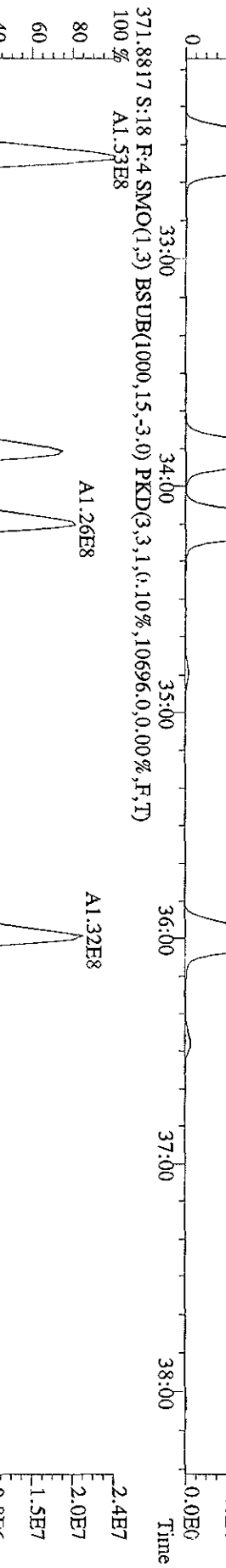
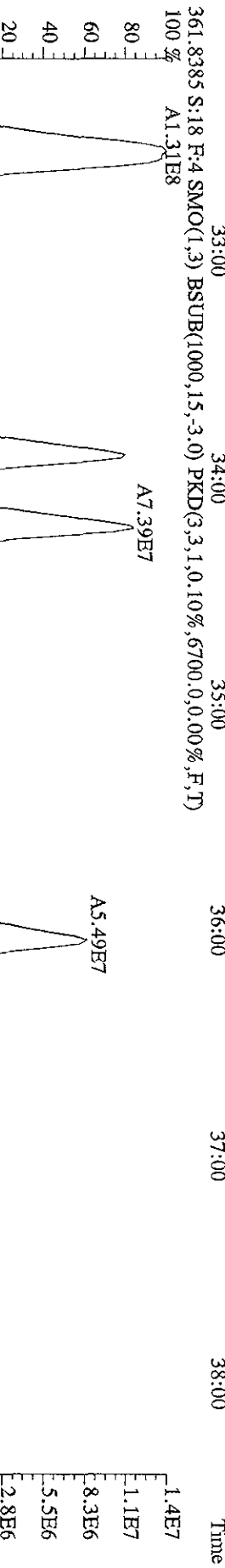
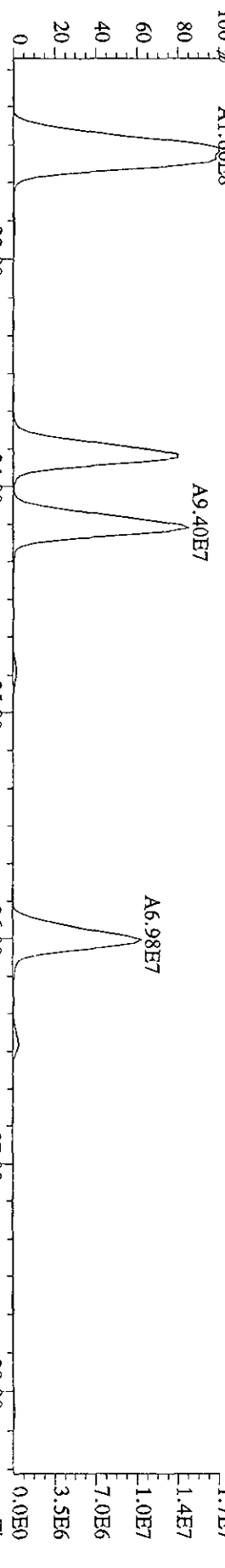
File:29AP09C9D5 #1-594 Acq:30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#18 Text:ST0429C :CS3 09DXN016 Exp:209DB5  
 323.8834 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4672,0,0,00%,F,T)  
 100%



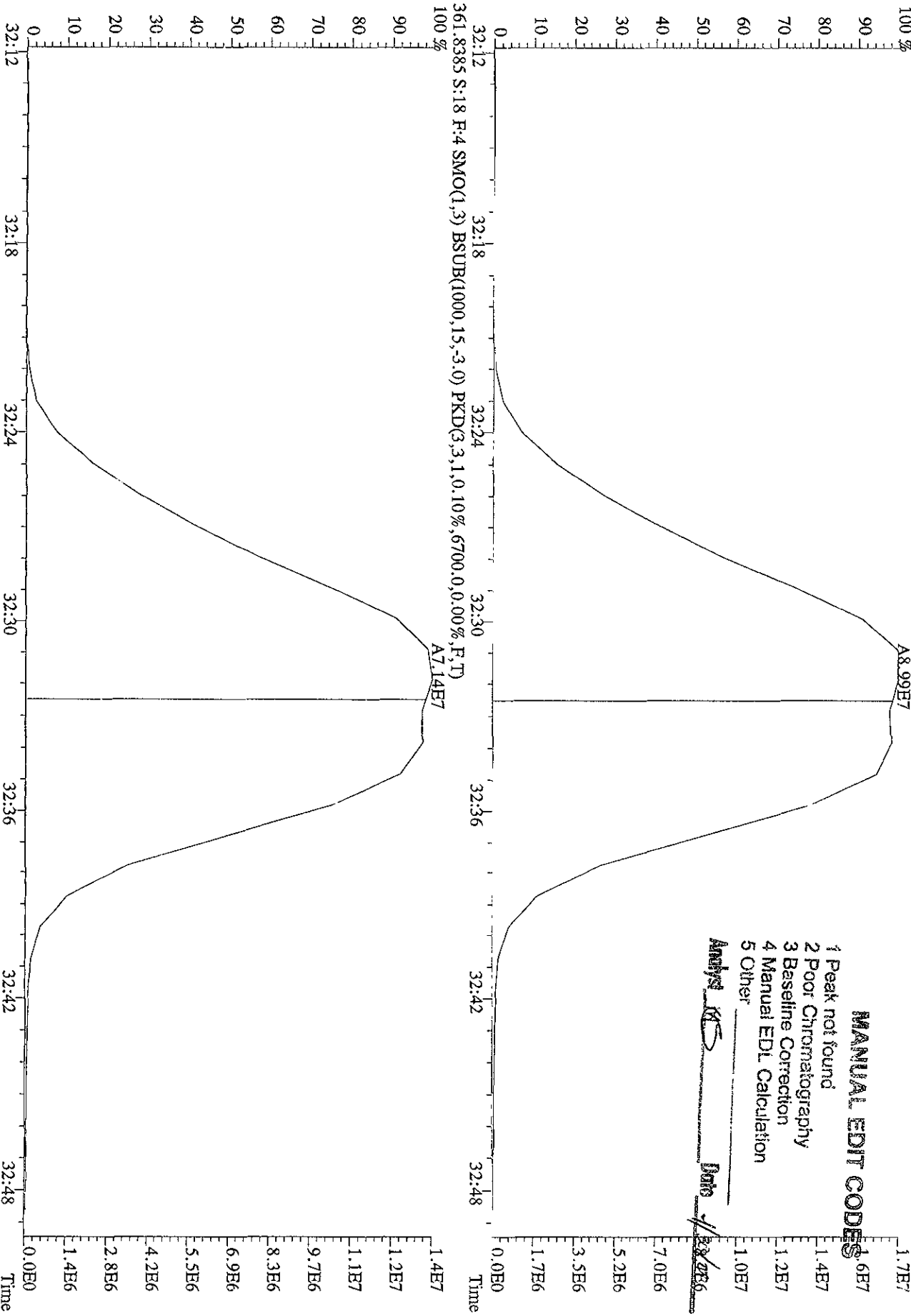
File:29AP09C9D5 #1-594 Acq:30-APR-2009 09:46:36 GC HI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text:ST0429C :CS3 09DXN016 Exp:209DB5  
 359.8415 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1.992,0,0.00%,F,T)  
 100% A1.18E8



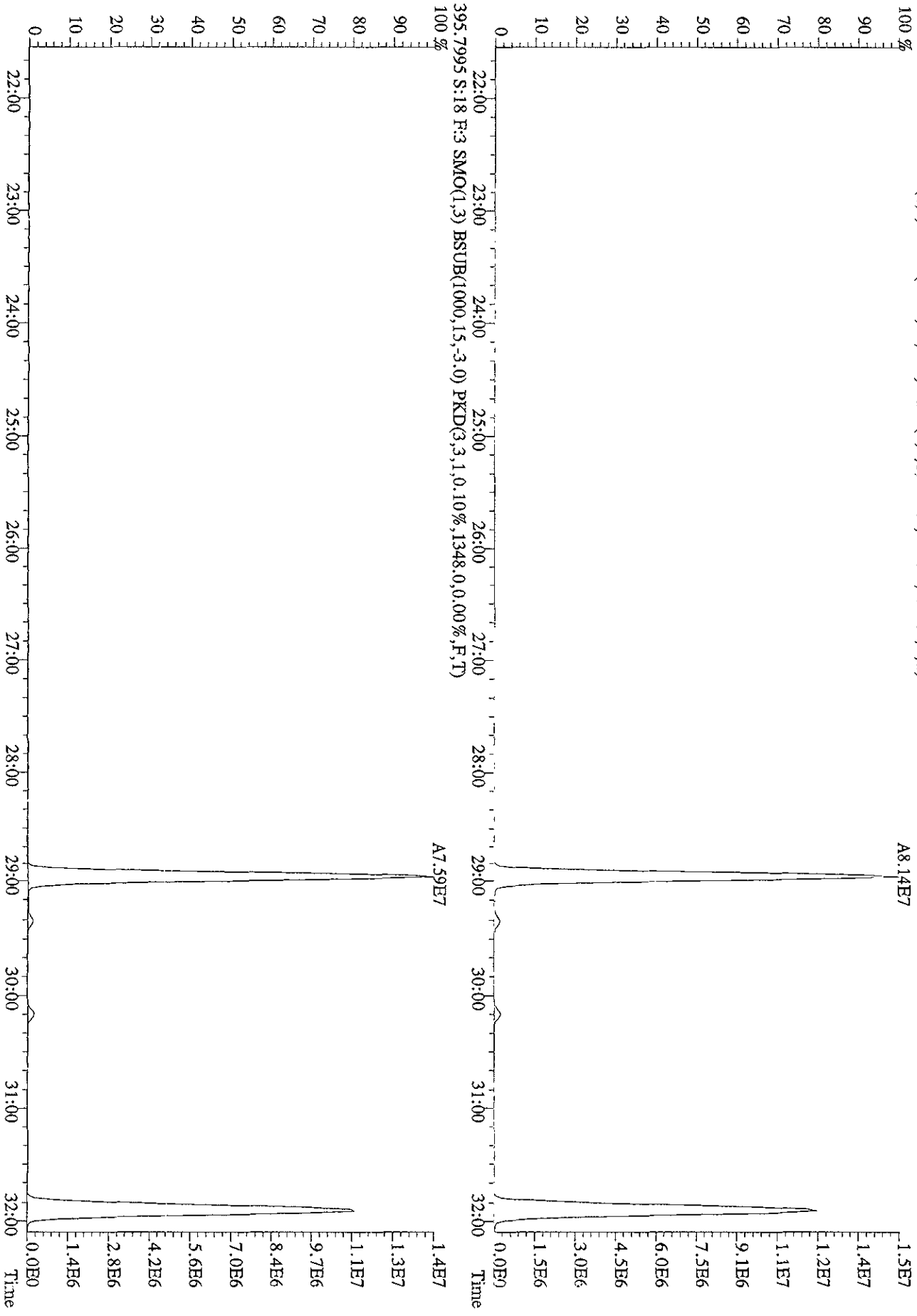
File: 29AP09C0D5 #1-381 Acq: 30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#18 Text: ST0429C :CS3 09DXN016 Exp: 209DB5  
 359.8415 S:18 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,8448,0,0,00%,F,T)  
 100% A1.66E8



File: 29AP09C9D5 #1-381 Acq: 30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text: ST0429C :CS3 09DXN016 Exp: 209DB5  
 359.8415 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8448,0,0,00%,F,T)  
 100%

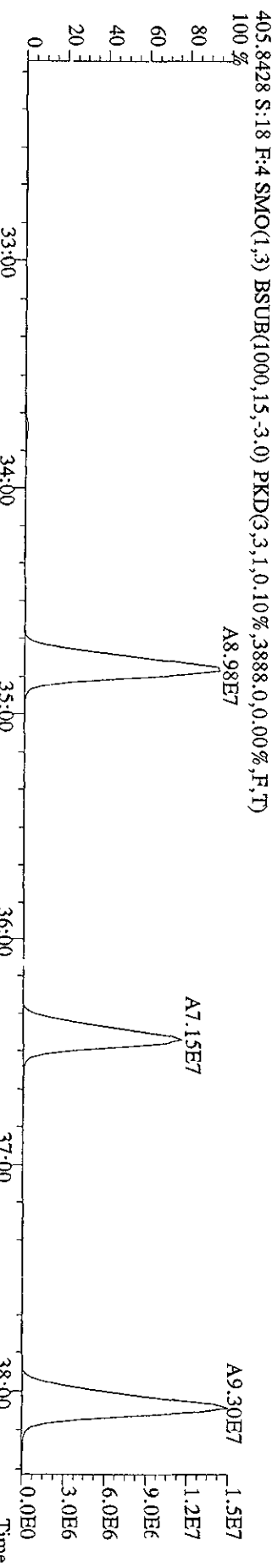
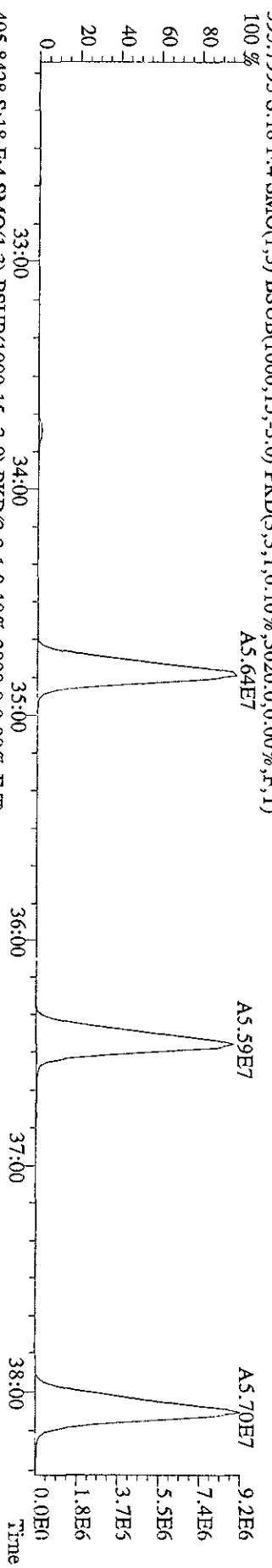
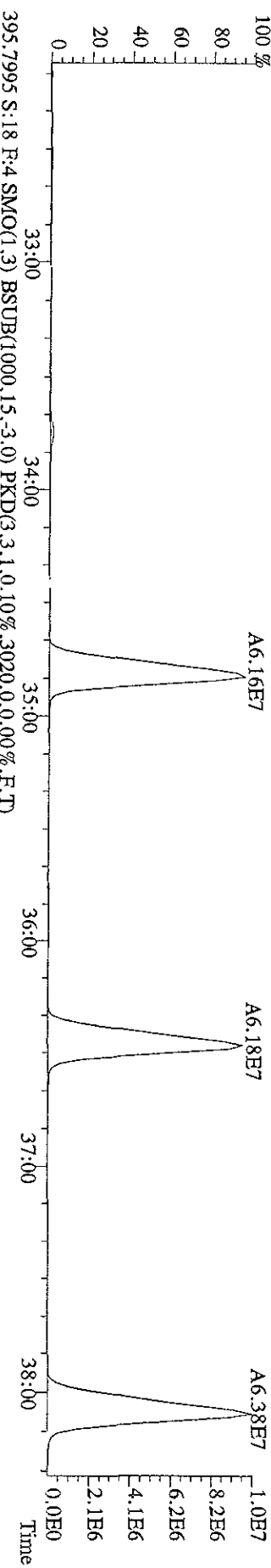


File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text: ST0429C : CS3 09DXN016 Exp: 209DB5  
 393.8075 S: 18 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4432.0,0.00%,F,T)

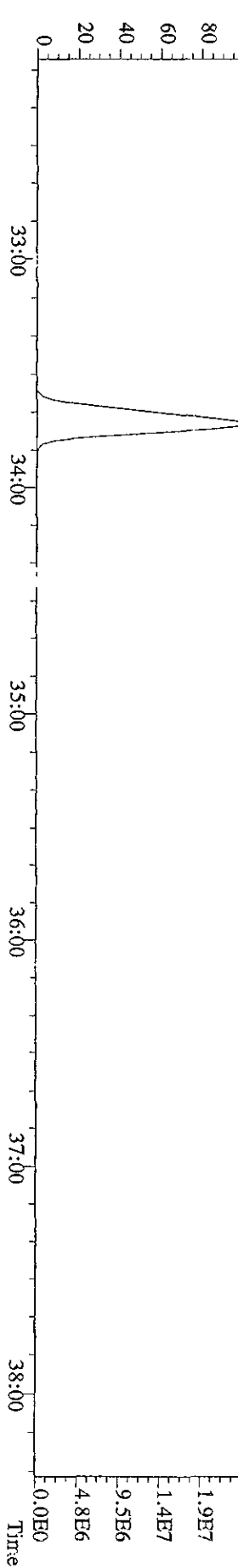
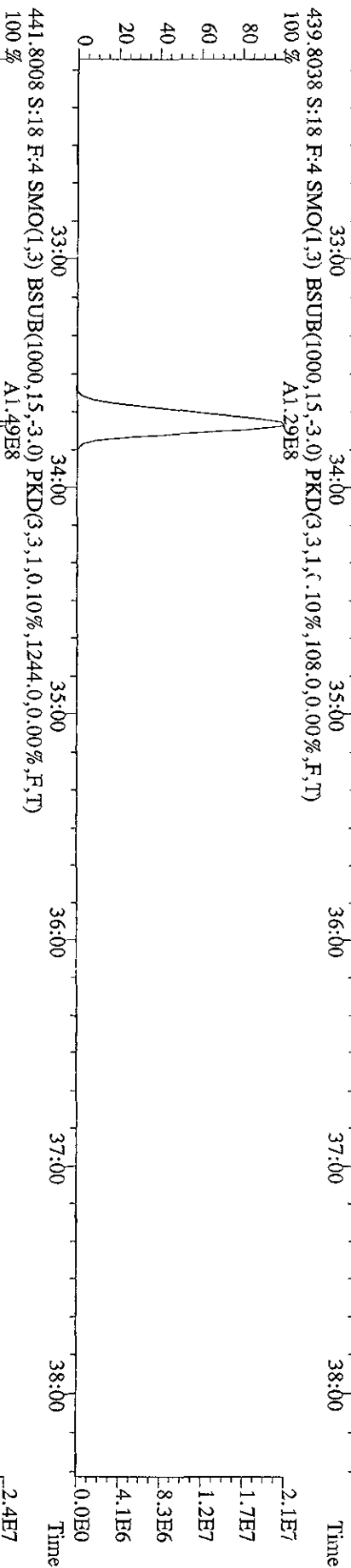
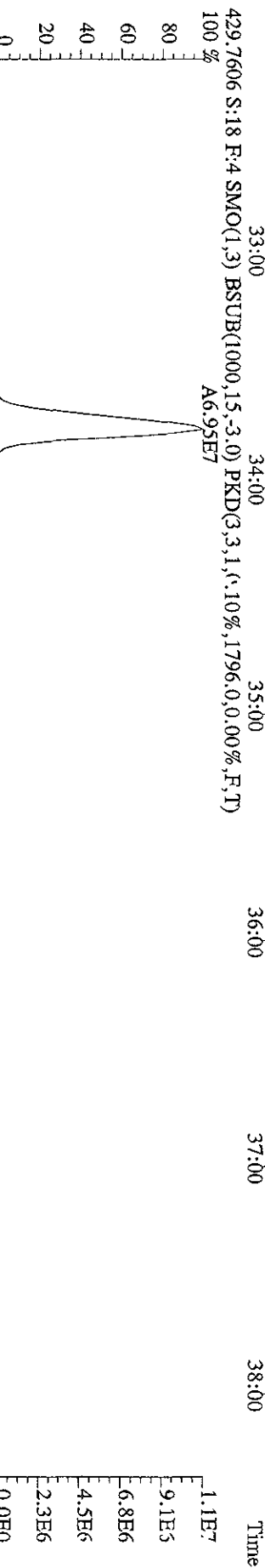
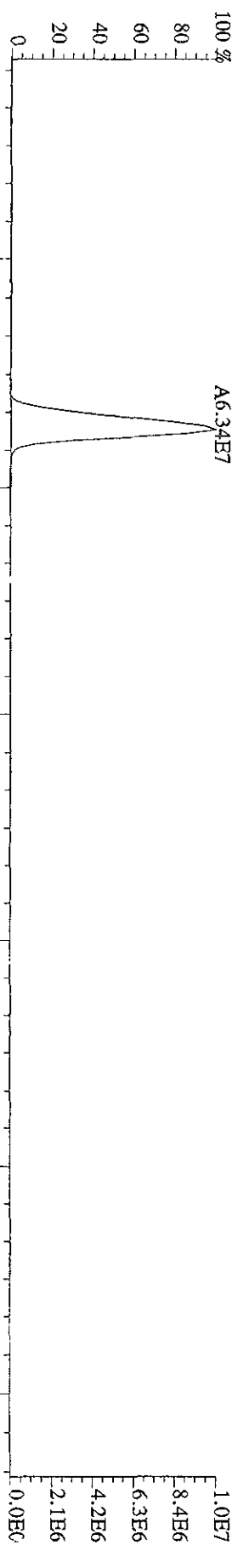




File:29AP09C9D5 #1-381 Acq:30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text:ST0429C :CS3 09DXN016 Exp:209DB5  
 393.8025 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5988.0,0.00%,F,T)



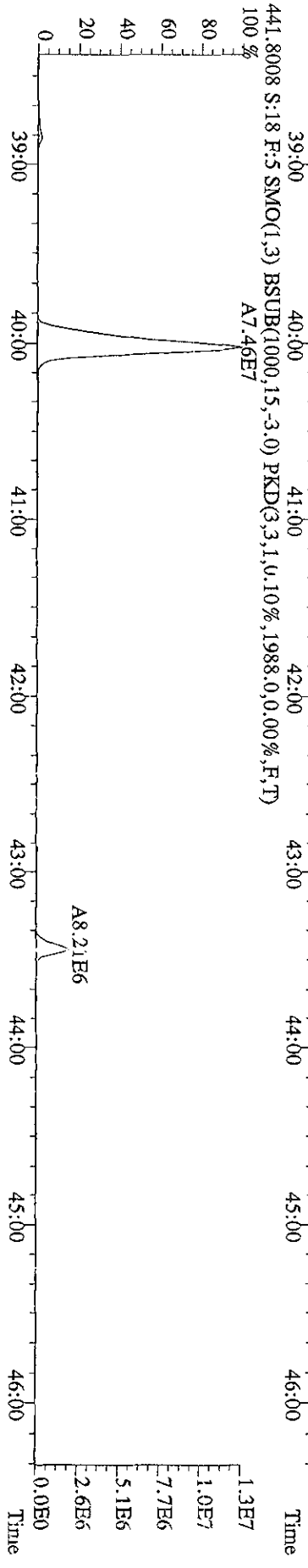
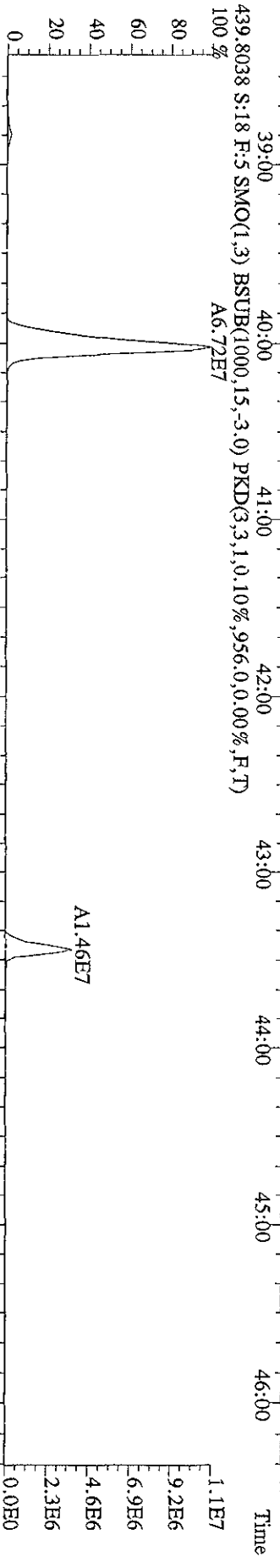
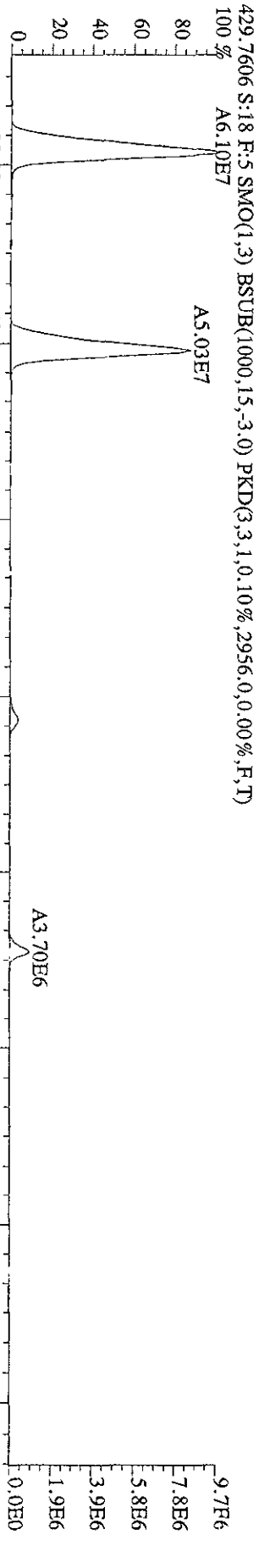
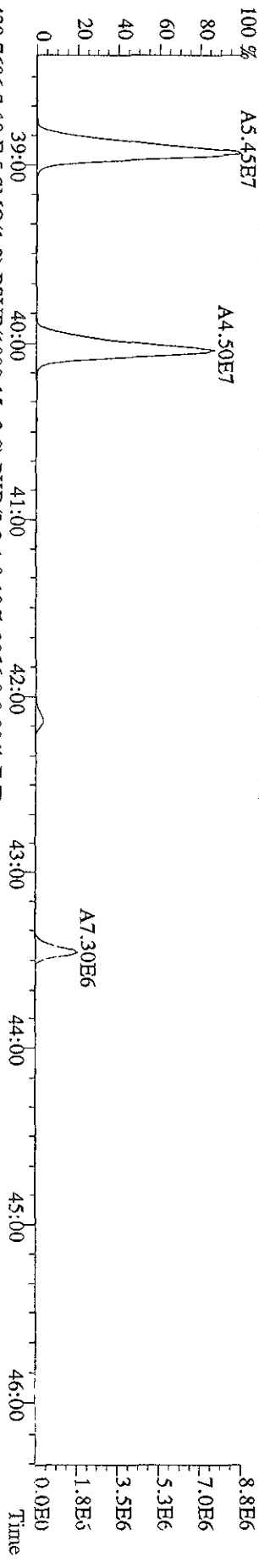
File: 29AP09C9D5 #1-381 Acq: 30-APR-2009 09:46:36 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#18 Text: ST0429C :CS3 09DXN016 Exp: 209DB5  
 427.7635 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1092.0,0.00%,F,T)  
 100% A6.34E7



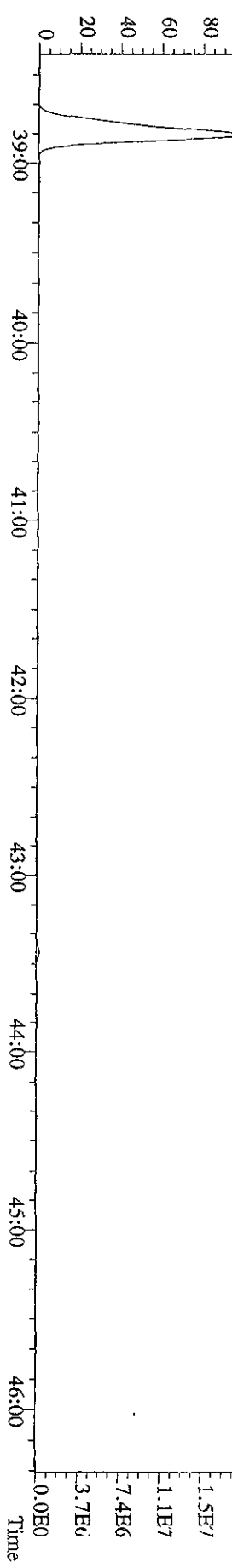
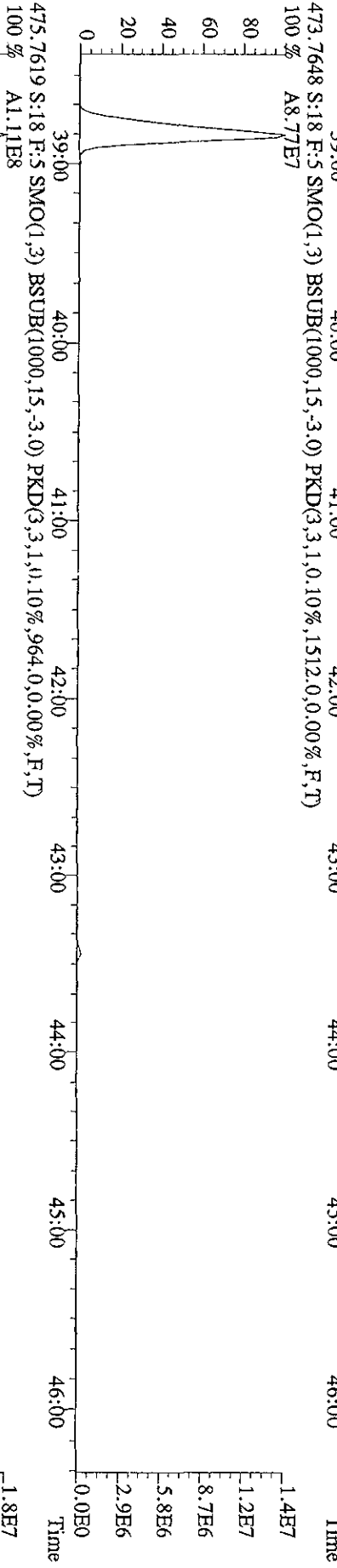
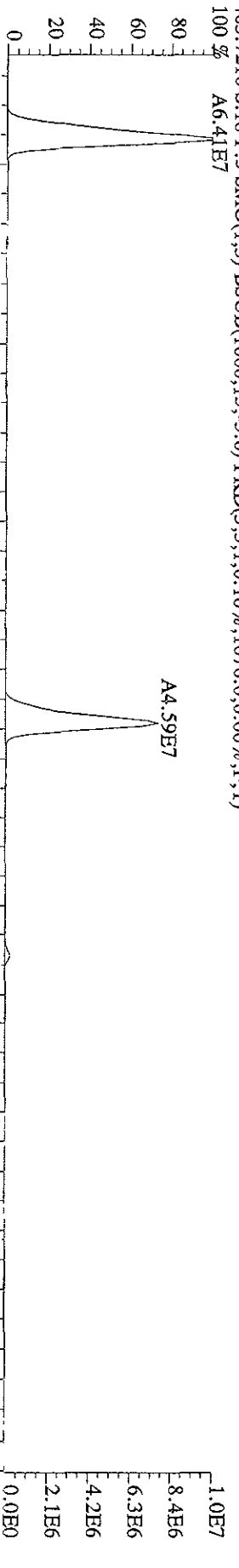
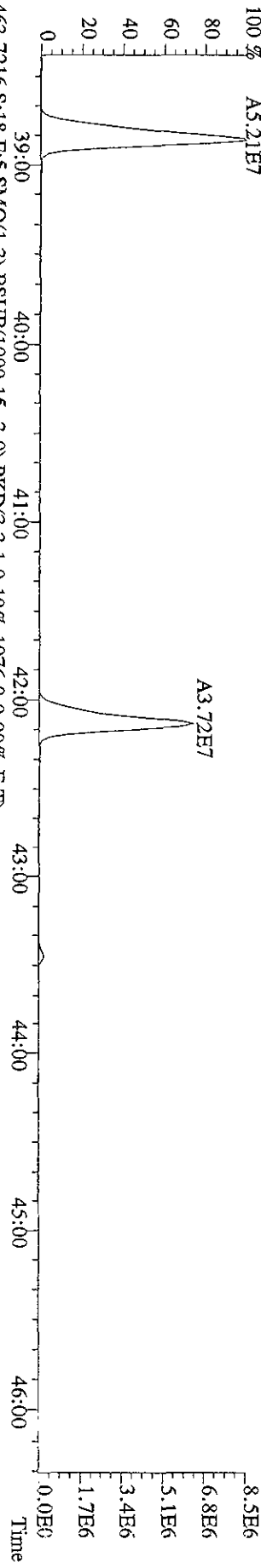
File: 29AP09C9D5 #1-529 Acq: 30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-Ultimate

Sample#18 Text: ST0429C :CS3 09DXN016 Exp: 209DB5

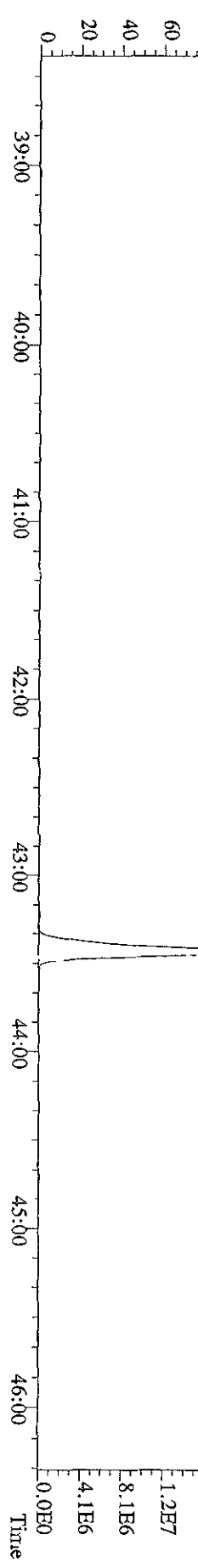
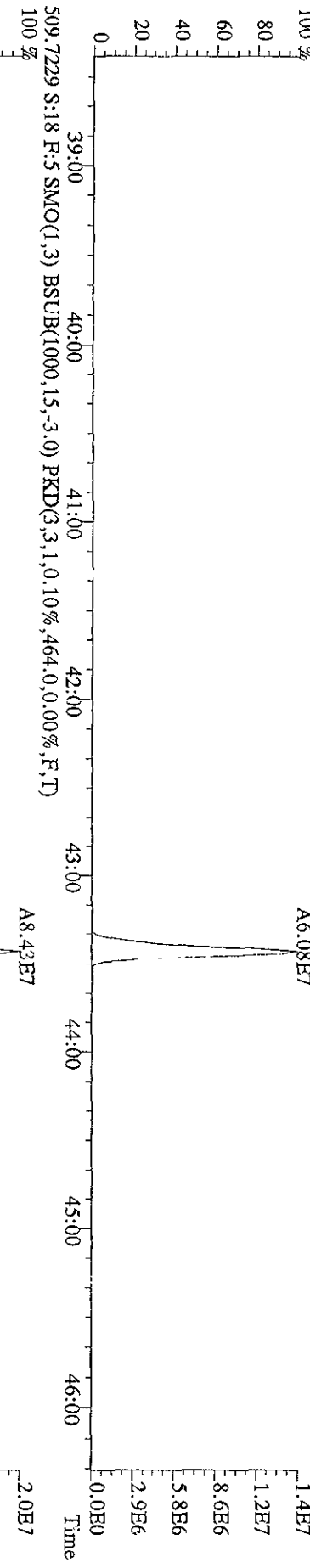
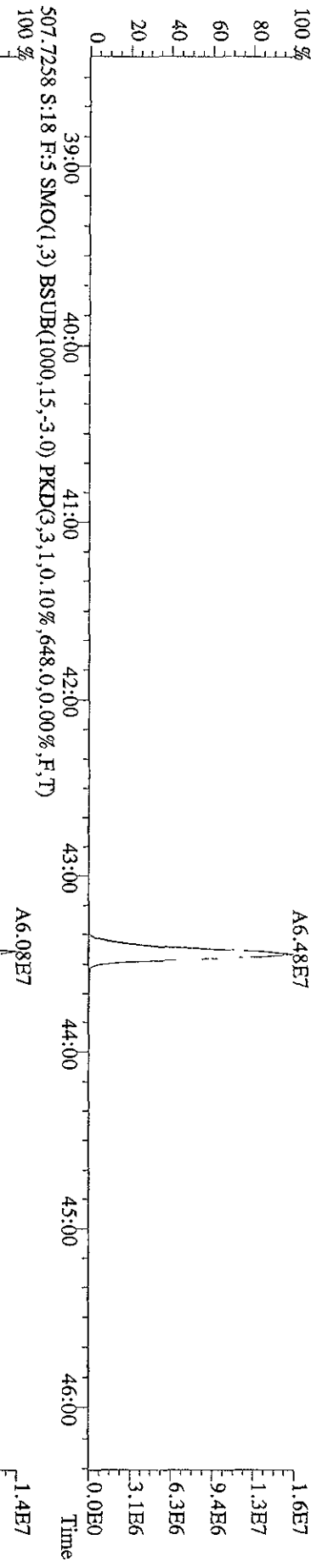
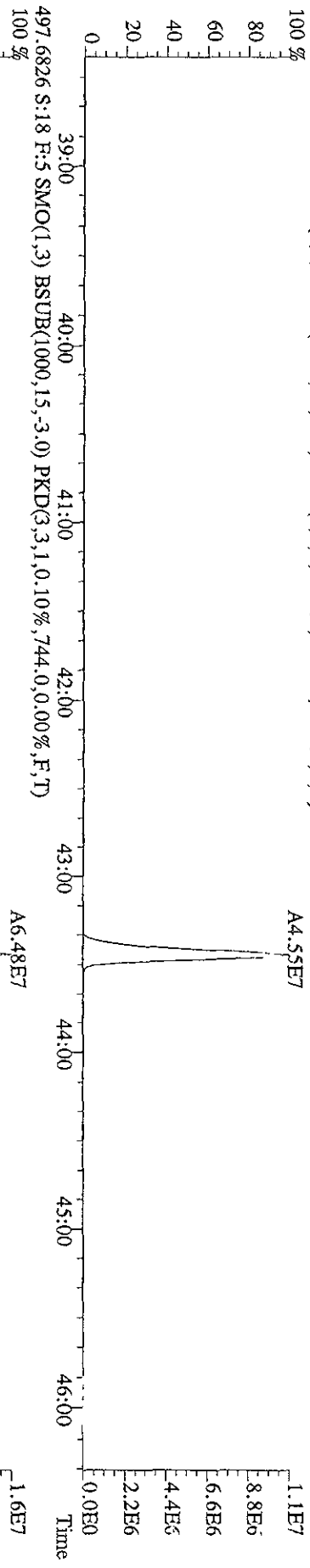
427.7635 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,.3388,0,0.00%,F,T) 100%



File:29AP09C9D5 #1-529 Acq:30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text:ST0429C :CS3 09DXN016 Exp:209DB5  
 461.7245 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,960,0,0.00%,F,T)  
 100% A5.21E7



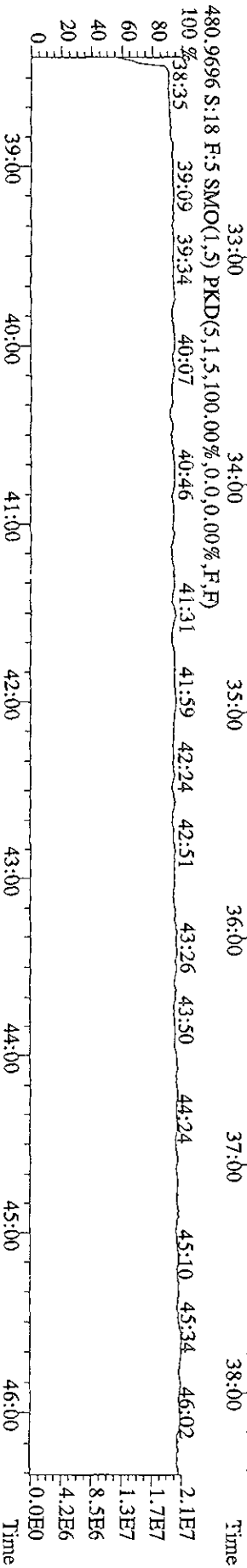
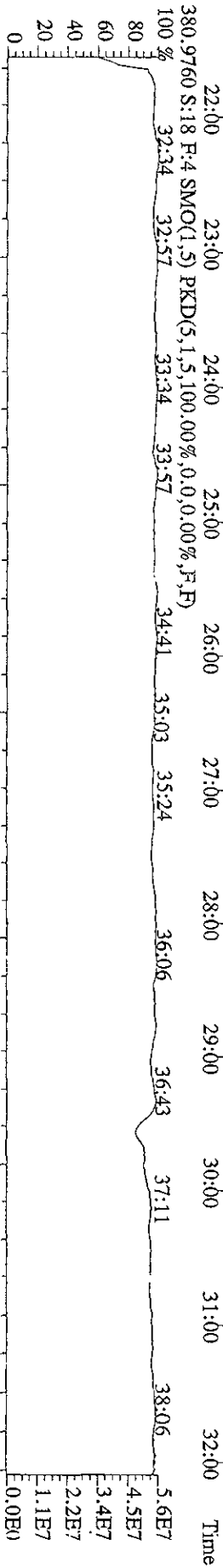
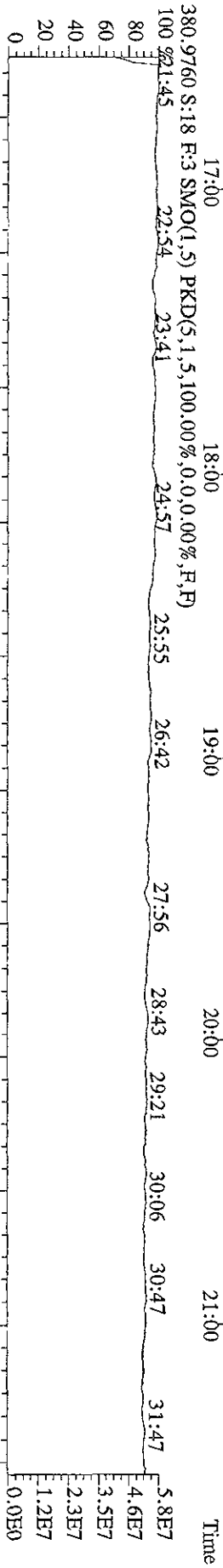
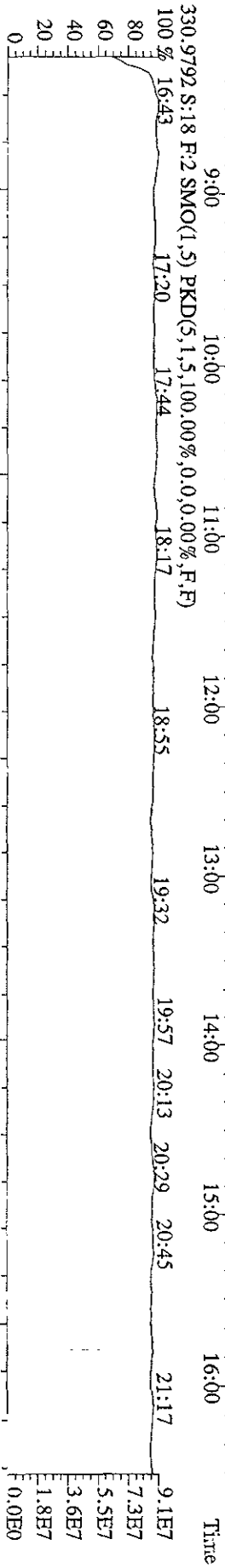
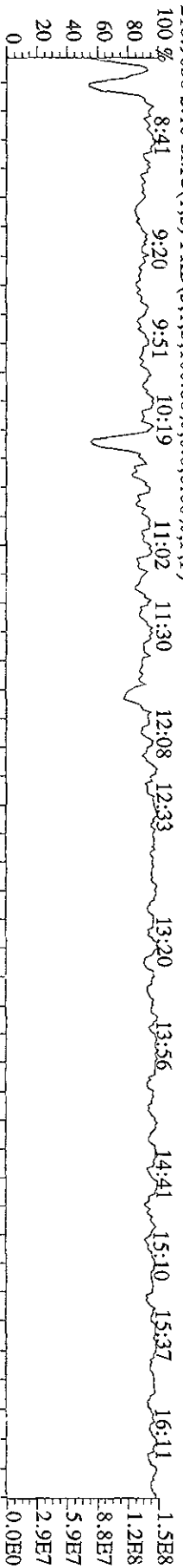
File:29AP09C9D5 #1-529 Acq:30-APR-2009 09:46:36 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#18 Text:ST0429C :CS3 09DXN016 Exp:209DB5  
 495.6826 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1368.0,0.00%,F,T)  
 100 %



File: 29AP09C9D5 #1-565 Acq: 30-APR-2009 09:46:36 GC EI+ Voltage SIR Autospec-Ultimate

Sample#18 Text: ST0429C : CS3 09DXN016

Exp: 209DB5



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID (1668MSL, 1668MDB5, 1668MSL DEL, 1668PCRS) 0115099D5  
 Method ID 1668M Date Scanned 1/28/09 gjs  
 Column ID DB-5 Instrument ID 9D5  
 STD ID's ST0115 + ST0115(A-D) STD Solution CPD.XN (014-08)  
 GC Program 209.DB5 Multiplier Setting 404  
 Analyzed By AM/KAS Date Analyzed 1/15/09  
 Prepared By KAS Date Prepared 1/16/09  
 Reviewed By M.G. Date Reviewed 1/19/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	/	/
Hardcopies of chromatograms for CS1-CS5 present?	/	/
Copy of log-file present?	/	/
Static resolution check present?	/	/
Target file RT's correct?	/	/
%RSD within method-specified limits?*	/	/
Signal-to-noise criteria met?	/	/
Isotopic ratios within limits?	/	/
High point free of saturation?	/	/
Are chromatographic windows correct?	/	/
Manual reintegration's checked and hardcopies included?	/	/

COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for natives and ±40% for labeled compounds; S/N ≥ 2.5  
 1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 2.5



Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	RRP1	RRP2	RRP3	RRP4	RRP5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

Run #1 Filename 15JA09D9D5 S: 1 I: 1  
 Acquired: 15-JAN-09 20:25:19 Processed: 16-JAN-09 15:15:27  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115 :CS1 09DXN014

Name	Resp	RA	RT	RRF	Resp	Mod?
13C-PeCB-101	199610800	0.65 y	25:23	-	100.00	n
13C-TCB-81	185693700	0.78 y	27:00	0.9303	100.00	n
TCB-81	2422266	0.68 y	27:01	1.3044	1.00	n
13C-TCB-77	194359500	0.80 y	27:34	0.9737	100.00	n
TCB-77	1969891	0.83 y	27:35	1.0135	1.00	n
13C-PeCB-123	166450700	0.65 y	28:54	0.8339	100.00	n
PeCB-123	2551600	0.67 y	28:55	1.5329	1.00	n
13C-PeCB-118	192926200	0.65 y	29:02	0.9665	100.00	n
PeCB-118/106	2948540	0.56 y	29:03	1.5283	1.00	n
13C-PeCB-114	190199200	0.65 y	29:41	0.9528	100.00	n
PeCB-114	3091930	0.56 y	29:42	1.6256	1.00	n
13C-PeCB-105	175973900	0.66 y	30:34	0.8816	100.00	n
PeCB-105/127	2519762	0.57 y	30:35	1.4319	1.00	n
13C-PeCB-126	176574800	0.65 y	32:30	0.8846	100.00	n
PeCB-126	2054057	0.56 y	32:31	1.1633	1.00	n
13C-OcCB-202	212477100	0.87 y	34:43	-	100.00	n
13C-HxCB-167	170138000	1.26 y	33:36	0.8007	100.00	n
HxCB-167	1881460	1.19 y	33:37	1.1058	1.00	y
13C-HxCB-156	134149800	1.28 y	34:53	0.6314	100.00	n
HxCB-156	1989175	1.35 y	34:54	1.4828	1.00	y
13C-HxCB-157	143553000	1.26 y	35:12	0.6756	100.00	n
HxCB-157	2106500	1.23 y	35:13	1.4674	1.00	n
13C-HxCB-169	146322800	1.26 y	37:05	0.6887	100.00	n
HxCB-169	1350130	1.32 y	37:06	0.9227	1.00	n
13C-HpCB-180	124212300	1.03 y	35:49	0.5846	100.00	n
HpCB-180	1524803	1.00 y	35:50	1.2276	1.00	n
13C-HpCB-170	97418600	1.05 y	37:29	0.4585	100.00	n
HpCB-170/190	1658961	1.09 y	37:30	1.7029	1.00	n
13C-HpCB-189	123177500	1.04 y	39:07	0.5797	100.00	n
HpCB-189	1353507	1.09 y	39:08	1.0988	1.00	n
13C-DeCB-209	93890300	0.73 y	44:04	0.4419	100.00	n
DeCB-209	1476592	0.79 y	44:05	1.5727	1.00	n
13C-PeCB-111	251775800	0.65 y	26:50	1.3881	100.00	n

Run #2 Filename 15JA09D9D5 S: 2 I: 1  
 Acquired: 15-JAN-09 21:16:36 Processed: 16-JAN-09 15:15:28  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115A :CS2 09DXN015

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	260995000	0.65 y	25:23	-	100.00	n
13C-TCB-81	249140000	0.78 y	26:59	0.9546	100.00	n
TCB-81	16061260	0.76 y	27:00	1.2893	5.00	n
13C-TCB-77	264238000	0.77 y	27:34	1.0124	100.00	n
TCB-77	14325810	0.78 y	27:35	1.0843	5.00	n
13C-PeCB-123	234556000	0.65 y	28:54	0.8987	100.00	n
PeCB-123	18341690	0.59 y	28:55	1.5639	5.00	n
13C-PeCB-118	256914000	0.65 y	29:03	0.9844	100.00	n
PeCB-118/106	20151520	0.57 y	29:04	1.5687	5.00	n
13C-PeCB-114	250979200	0.66 y	29:41	0.9616	100.00	n
PeCB-114	20878680	0.58 y	29:42	1.6638	5.00	n
13C-PeCB-105	236551000	0.66 y	30:35	0.9063	100.00	n
PeCB-105/127	17595610	0.59 y	30:36	1.4877	5.00	n
13C-PeCB-126	248209700	0.65 y	32:31	0.9510	100.00	n
PeCB-126	14246760	0.58 y	32:32	1.1480	5.00	n
13C-OcCB-202	281047000	0.88 y	34:44	-	100.00	n
13C-HxCB-167	239554000	1.25 y	33:35	0.8524	100.00	n
HxCB-167	14283760	1.30 y	33:36	1.1925	5.00	y
13C-HxCB-156	191560200	1.29 y	34:54	0.6816	100.00	n
HxCB-156	14097740	1.24 y	34:55	1.4719	5.00	n
13C-HxCB-157	203989500	1.25 y	35:13	0.7258	100.00	n
HxCB-157	14921860	1.23 y	35:14	1.4630	5.00	n
13C-HxCB-169	217321000	1.26 y	37:06	0.7733	100.00	n
HxCB-169	10658530	1.26 y	37:07	0.9809	5.00	n
13C-HpCB-180	164976900	1.05 y	35:50	0.5870	100.00	n
HpCB-180	11114430	1.12 y	35:51	1.3474	5.00	n
13C-HpCB-170	134170200	1.07 y	37:29	0.4774	100.00	n
HpCB-170/190	11010430	1.08 y	37:30	1.6413	5.00	n
13C-HpCB-189	176083100	1.06 y	39:08	0.6265	100.00	n
HpCB-189	10942400	1.12 y	39:09	1.2429	5.00	n
13C-DeCB-209	137327200	0.71 y	44:04	0.4886	100.00	n
DECB-209	10345550	0.68 y	44:04	1.5067	5.00	n
13C-PeCB-111	340992000	0.65 y	26:51	1.3932	100.00	n

Run #3 Filename 15JA09D9D5 S: 3 I: 1  
 Acquired: 15-JAN-09 22:07:59 Processed: 16-JAN-09 15:15:28  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115B :CS3 09DXN016

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	247603800	0.65 y	25:22	-	100.00	n
13C-TCB-81	233777000	0.77 y	26:59	0.9442	100.00	n
TCB-81	149921700	0.75 y	27:00	1.2826	50.00	n
13C-TCB-77	238978000	0.76 y	27:33	0.9652	100.00	n
TCB-77	138181800	0.73 y	27:34	1.1564	50.00	n
13C-PeCB-123	215123600	0.65 y	28:53	0.8688	100.00	n
PeCB-123	162536900	0.59 y	28:54	1.5111	50.00	n
13C-PeCB-118	245223200	0.66 y	29:02	0.9904	100.00	n
PeCB-118/106	190014200	0.59 y	29:03	1.5497	50.00	n
13C-PeCB-114	238819200	0.65 y	29:41	0.9645	100.00	n
PeCB-114	188844900	0.59 y	29:42	1.5815	50.00	n
13C-PeCB-105	218554600	0.65 y	30:34	0.8827	100.00	n
PeCB-105/127	155882200	0.59 y	30:35	1.4265	50.00	n
13C-PeCB-126	216706200	0.65 y	32:30	0.8752	100.00	n
PeCB-126	130429700	0.59 y	32:31	1.2037	50.00	n
13C-OcCB-202	255723000	0.85 y	34:43	-	100.00	n
13C-HxCB-167	215596800	1.26 y	33:35	0.8431	100.00	n
HxCB-167	124009600	1.25 y	33:36	1.1504	50.00	n
13C-HxCB-156	170578000	1.29 y	34:53	0.6670	100.00	n
HxCB-156	124140900	1.27 y	34:54	1.4555	50.00	n
13C-HxCB-157	180842200	1.26 y	35:12	0.7072	100.00	n
HxCB-157	131350200	1.29 y	35:13	1.4526	50.00	n
13C-HxCB-169	185144100	1.26 y	37:05	0.7240	100.00	n
HxCB-169	93867200	1.26 y	37:06	1.0140	50.00	n
13C-HpCB-180	150765500	1.05 y	35:49	0.5896	100.00	n
HpCB-180	95947800	1.12 y	35:50	1.2728	50.00	n
13C-HpCB-170	122011600	1.05 y	37:28	0.4771	100.00	n
HpCB-170/190	96760500	1.10 y	37:29	1.5861	50.00	n
13C-HpCB-189	148558600	1.05 y	39:07	0.5809	100.00	n
HpCB-189	92642400	1.10 y	39:09	1.2472	50.00	n
13C-DeCB-209	113795700	0.72 y	44:04	0.4450	100.00	n
DeCB-209	85226100	0.70 y	44:05	1.4979	50.00	n
13C-PeCB-111	311176000	0.65 y	26:50	1.3563	100.00	n

Run #4    Filename 15JA09D9D5    S: 4    I: 1  
 Acquired: 15-JAN-09 22:59:23    Processed: 16-JAN-09 15:15:29  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115C :CS4 09DXN017

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	244688200	0.65 y	25:22	-	100.00	n
13C-TCB-81	225028900	0.77 y	26:58	0.9197	100.00	n
TCB-81	563034000	0.76 y	27:00	1.2510	200.00	n
13C-TCB-77	234441000	0.79 y	27:33	0.9581	100.00	n
TCB-77	517095000	0.76 y	27:34	1.1028	200.00	n
13C-PeCB-123	206159900	0.64 y	28:53	0.8425	100.00	n
PeCB-123	604243000	0.59 y	28:54	1.4655	200.00	n
13C-PeCB-118	235957000	0.65 y	29:02	0.9643	100.00	n
PeCB-118/106	706242000	0.60 y	29:03	1.4965	200.00	n
13C-PeCB-114	228278000	0.65 y	29:41	0.9329	100.00	n
PeCB-114	695511000	0.59 y	29:42	1.5234	200.00	n
13C-PeCB-105	213978600	0.66 y	30:34	0.8745	100.00	n
PeCB-105/127	588578000	0.59 y	30:35	1.3753	200.00	n
13C-PeCB-126	209532200	0.65 y	32:30	0.8563	100.00	n
PeCB-126	485179000	0.60 y	32:31	1.1578	200.00	n
13C-OcCB-202	249730000	0.88 y	34:43	-	100.00	n
13C-HxCB-167	202489900	1.26 y	33:35	0.8108	100.00	n
HxCB-167	514368000	1.27 y	33:36	1.2701	200.00	y
13C-HxCB-156	161737900	1.28 y	34:53	0.6477	100.00	n
HxCB-156	462927000	1.27 y	34:54	1.4311	200.00	n
13C-HxCB-157	166710400	1.24 y	35:12	0.6676	100.00	n
HxCB-157	478186000	1.28 y	35:13	1.4342	200.00	n
13C-HxCB-169	164652600	1.25 y	37:05	0.6593	100.00	n
HxCB-169	333850000	1.27 y	37:06	1.0138	200.00	n
13C-HpCB-180	138296100	1.06 y	35:49	0.5538	100.00	n
HpCB-180	345005000	1.10 y	35:50	1.2473	200.00	n
13C-HpCB-170	113146600	1.05 y	37:28	0.4531	100.00	n
HpCB-170/190	352545000	1.09 y	37:29	1.5579	200.00	n
13C-HpCB-189	136856900	1.04 y	39:07	0.5480	100.00	n
HpCB-189	333672000	1.09 y	39:08	1.2191	200.00	n
13C-DeCB-209	103579600	0.73 y	44:04	0.4148	100.00	n
DECB-209	300002000	0.69 y	44:05	1.4482	200.00	n
13C-PeCB-111	303933000	0.65 y	26:50	1.3747	100.00	n

Run #5 Filename 15JA09D9D5 S: 5 I: 1  
 Acquired: 15-JAN-09 23:50:45 Processed: 16-JAN-09 15:15:30  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115D :CS5 09DXN018

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	269657000	0.66 y	25:22	-	100.00	n
13C-TCB-81	266360000	0.78 y	26:58	0.9878	100.00	n
TCB-81	1683380000	0.75 y	26:59	1.2640	500.00	n
13C-TCB-77	270360000	0.78 y	27:32	1.0026	100.00	n
TCB-77	1568248000	0.76 y	27:34	1.1601	500.00	n
13C-PeCB-123	246305200	0.67 y	28:52	0.9134	100.00	n
PeCB-123	1812283000	0.59 y	28:53	1.4716	500.00	n
13C-PeCB-118	274268000	0.66 y	29:01	1.0171	100.00	n
PeCB-118/106	2052633000	0.60 y	29:02	1.4968	500.00	n
13C-PeCB-114	274985000	0.66 y	29:40	1.0198	100.00	n
PeCB-114	2107813000	0.59 y	29:41	1.5330	500.00	n
13C-PeCB-105	253776000	0.66 y	30:33	0.9411	100.00	n
PeCB-105/127	1763571000	0.59 y	30:34	1.3899	500.00	n
13C-PeCB-126	267077000	0.65 y	32:28	0.9904	100.00	n
PeCB-126	1593533000	0.59 y	32:30	1.1933	500.00	n
13C-OcCB-202	287841000	0.87 y	34:42	-	100.00	n
13C-HxCB-167	259291000	1.26 y	33:33	0.9008	100.00	n
HxCB-167	1459083000	1.28 y	33:34	1.1254	500.00	y
13C-HxCB-156	208239300	1.29 y	34:52	0.7235	100.00	n
HxCB-156	1478482000	1.28 y	34:53	1.4200	500.00	n
13C-HxCB-157	218180700	1.26 y	35:11	0.7580	100.00	n
HxCB-157	1543594000	1.27 y	35:12	1.4150	500.00	n
13C-HxCB-169	236681000	1.26 y	37:03	0.8223	100.00	n
HxCB-169	1200567000	1.27 y	37:04	1.0145	500.00	n
13C-HpCB-180	175051700	1.04 y	35:48	0.6082	100.00	n
HpCB-180	1077386000	1.09 y	35:49	1.2309	500.00	n
13C-HpCB-170	145642800	1.05 y	37:28	0.5060	100.00	n
HpCB-170/190	1124352000	1.08 y	37:29	1.5440	500.00	n
13C-HpCB-189	189236300	1.05 y	39:06	0.6574	100.00	n
HpCB-189	1158078000	1.09 y	39:07	1.2239	500.00	n
13C-DeCB-209	146952700	0.73 y	44:04	0.5105	100.00	n
DECB-209	1100843000	0.70 y	44:04	1.4982	500.00	n
13C-PeCB-111	333490000	0.65 y	26:50	1.2712	100.00	n

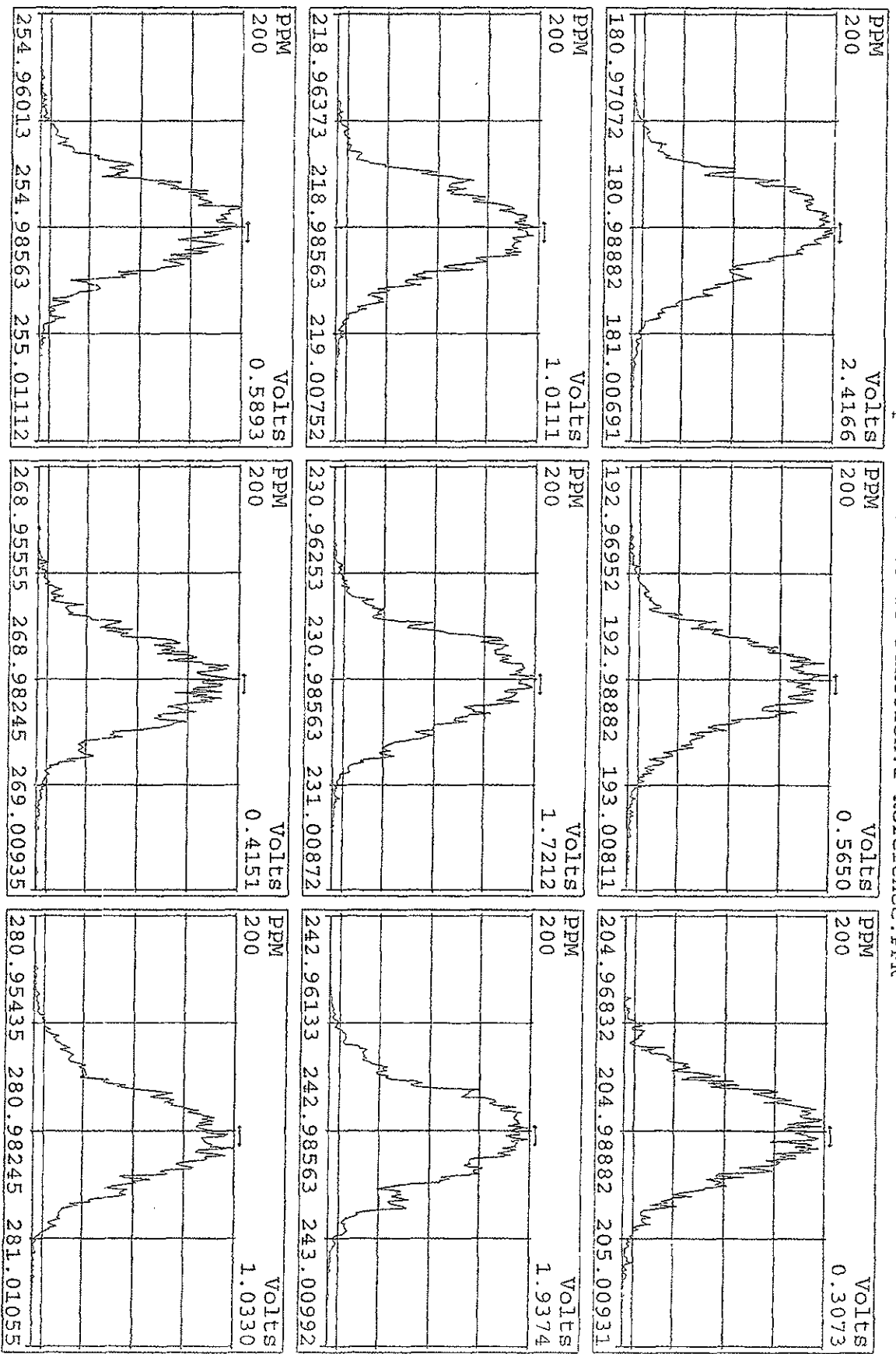
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15JA09D9D5	3	ST0115B	CS3 09DXN016				1.00000	
15JA09D9D5	4	ST0115C	CS4 09DXN017				1.00000	
15JA09D9D5	5	ST0115D	CS5 09DXN018				1.00000	
15JA09D9D5	6	SB0115	Solvent Blank C-12				1.00000	
15JA09D9D5	7	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	8	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	9	SB0115A	Solvent Blank C-12				1.00000	
15JA09D9D5	10	K5GRX-1-AC	G9A060000-171C	20	1668/WATER	51	1.00000	L
15JA09D9D5	11	QC09DXN057	Daily IS 09DXN057	20	1668	QC49	1.00000	
15JA09D9D5	12	K44WC-1-AC	G8L210000-51C	20	1668A/SOLID	42	10.00000	g
15JA09D9D5	13	K44WC-1-AA	G8L210000-51B	20	1668A/SOLID		10.00000	g
15JA09D9D5	14	K31R7-1-AA	D8L030334-1 (20X)	20	1668A/SOLID		10.19000	g
15JA09D9D5	15	K31R7-1-AD	D8L030334-1S (20X)	20	1668A/SOLID		10.01000	g
15JA09D9D5	16	SB0115B	Solvent Blank C-12				1.00000	
15JA09D9D5	17	K4047-1-AH	G8L180296-2	20	1668/SOLID	43	10.32500	g
15JA09D9D5	18	K4047-1-AH	G8L180296-2 RI	20	1668/SOLID	43	10.22500	g
15JA09D9D5	19	K4048-1-AH	G8L180296-3	20	1668/SOLID		10.35400	g
15JA09D9D5	20	K4049-1-AH	G8L180296-4	20	1668/SOLID		10.17000	g
15JA09D9D5	21	K405A-1-AH	G8L180296-5	20	1668/SOLID		10.25250	g
15JA09D9D5	22	K405E-1-AH	G8L180296-7	20	1668/SOLID		10.13000	g
15JA09D9D5	23	SB0115C	Solvent Blank C-12				1.00000	
JA09D9D5	24	ST0115H	CS3 09DXN016				1.00000	
15JA09D9D5	25	ST0115G	209PCB 3249-47				1.00000	
15JA09D9D5	26	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	27	K4047-1-AH	G8L180296-2 (10X)	20	1668/SOLID	43	10.32500	g
15JA09D9D5	28	K4048-1-AH	G8L180296-3 (10X)	20	1668/SOLID		10.35400	g
15JA09D9D5	29	K4049-1-AH	G8L180296-4 (10X)	20	1668/SOLID		10.17000	g
15JA09D9D5	30	K405A-1-AH	G8L180296-5 (10X)	20	1668/SOLID		10.25250	g
15JA09D9D5	31	K405E-1-AH	G8L180296-7 (10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	32	K405H-1-AH	G8L180296-9 (10X)	20	1668/SOLID		10.15000	g
15JA09D9D5	33	K405H-1-AJ	G8L180296-9S (10X)	20	1668/SOLID		10.12000	g
15JA09D9D5	34	K405H-1-AK	G8L180296-9D (10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	35	K405K-1-AH	G8L180296-10 (10X)	20	1668/SOLID		10.02000	g
15JA09D9D5	36	K4046-1-AA	G8L180296-1	20	1668/SOLID		0.98080	L
15JA09D9D5	37	K405D-1-AA	G8L180296-6	20	1668/SOLID		0.97690	L
15JA09D9D5	38	K405G-1-AA	G8L180296-8	20	1668/SOLID		0.94740	L
15JA09D9D5	39	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	40	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g
15JA09D9D5	41	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	42	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	43	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	44	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	45	K4584-1-AA	G8L22000-581MB	20	1668/SOLID		1.00000	L
15JA09D9D5	46	K4584-1-AC	G8L22000-581LCS	20	1668/SOLID		1.00000	L
15JA09D9D5	47	????????	G8L050343-1	20	1668/SOLID		10.00000	
15JA09D9D5	48	K4585-1-AA	G8L220000-582MB	20	1668A/SOLID		10.00000	g
JA09D9D5	49	K4585-1-AC	G8L220000-582LCS	20	1668A/SOLID		10.00000	g
JA09D9D5	50	K31R7-1-AE	D8L030334-1D (20X)	20	1668/SOLID		10.28000	g
15JA09D9D5	51	K31TA-1-AA	D8L030334-2 (20X)	20	1668/SOLID		10.08000	g
15JA09D9D5	52	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	53	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g



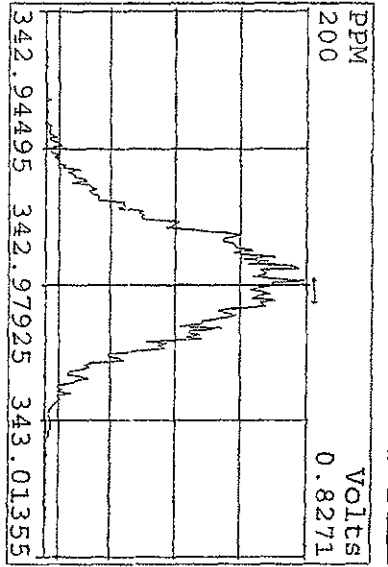
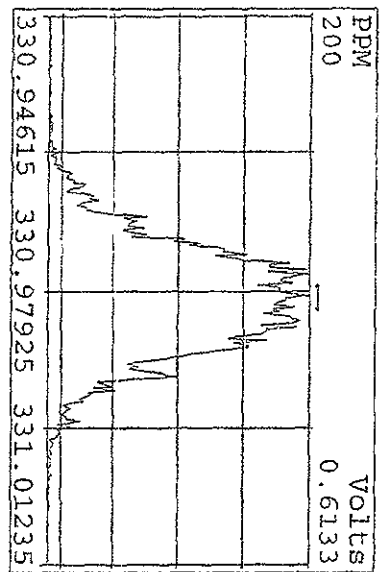
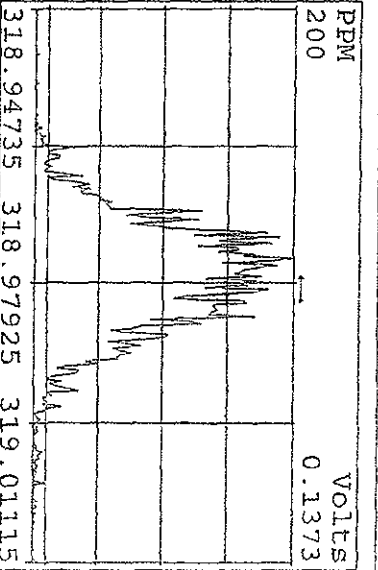
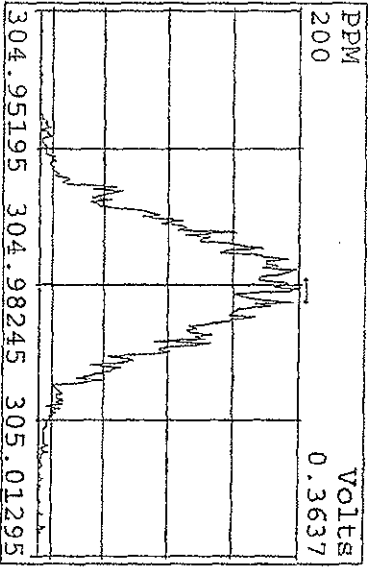
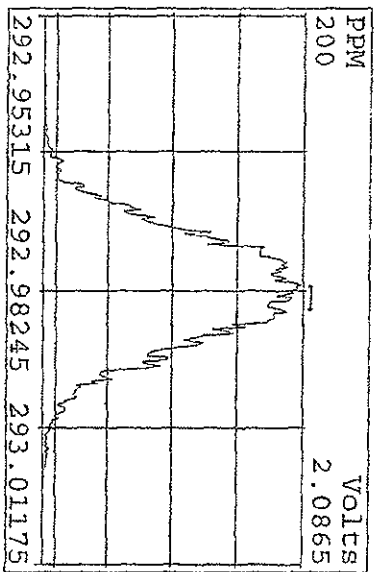
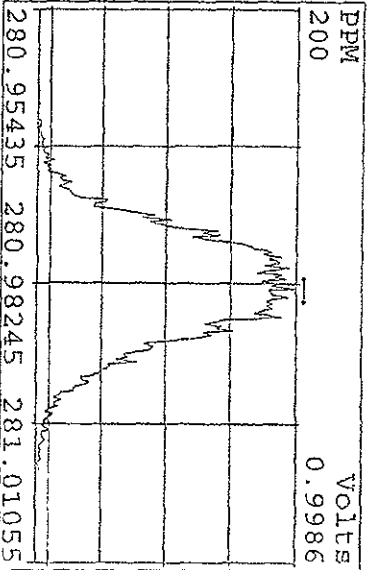
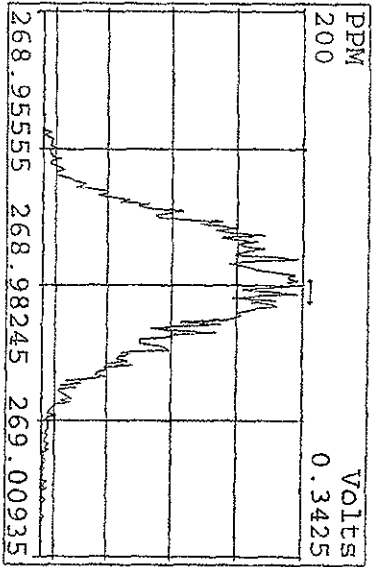
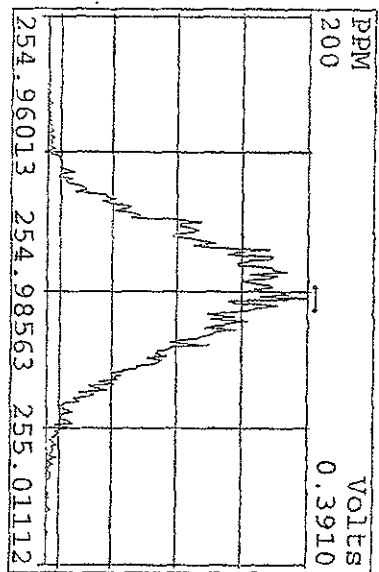
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1-16-09 am

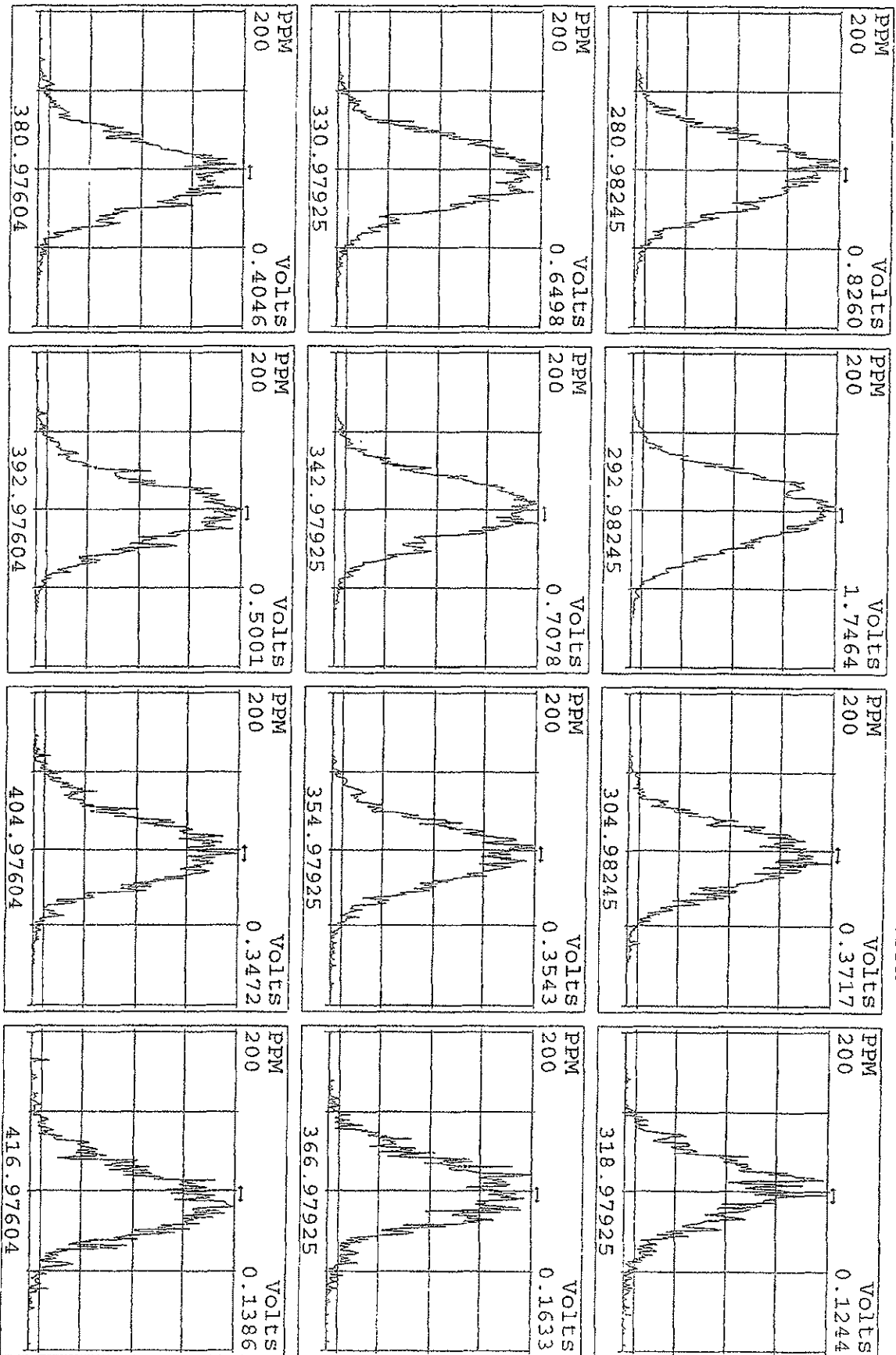
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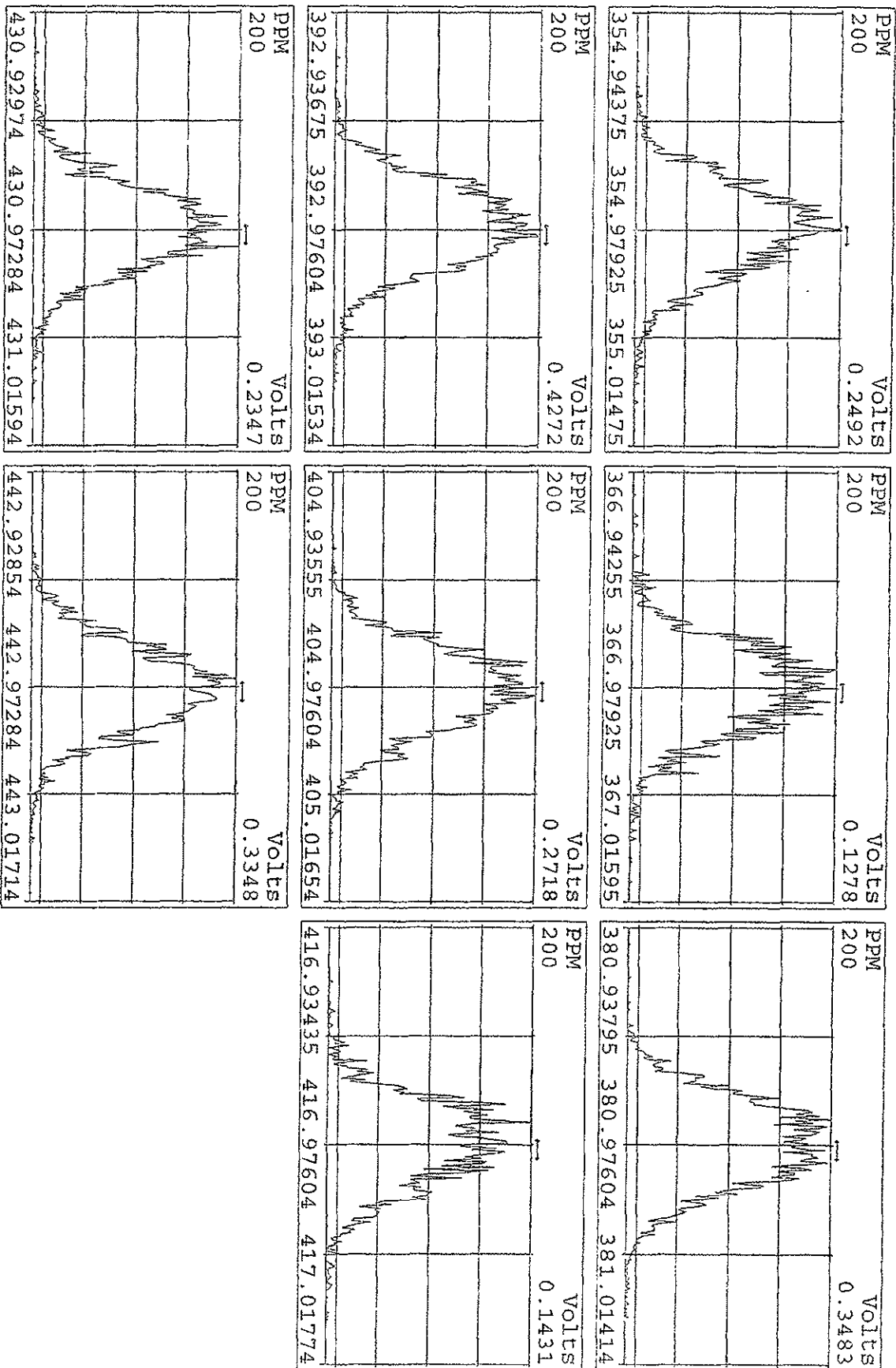
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 Experiment:209DB5 Function:2 Reference:PFK



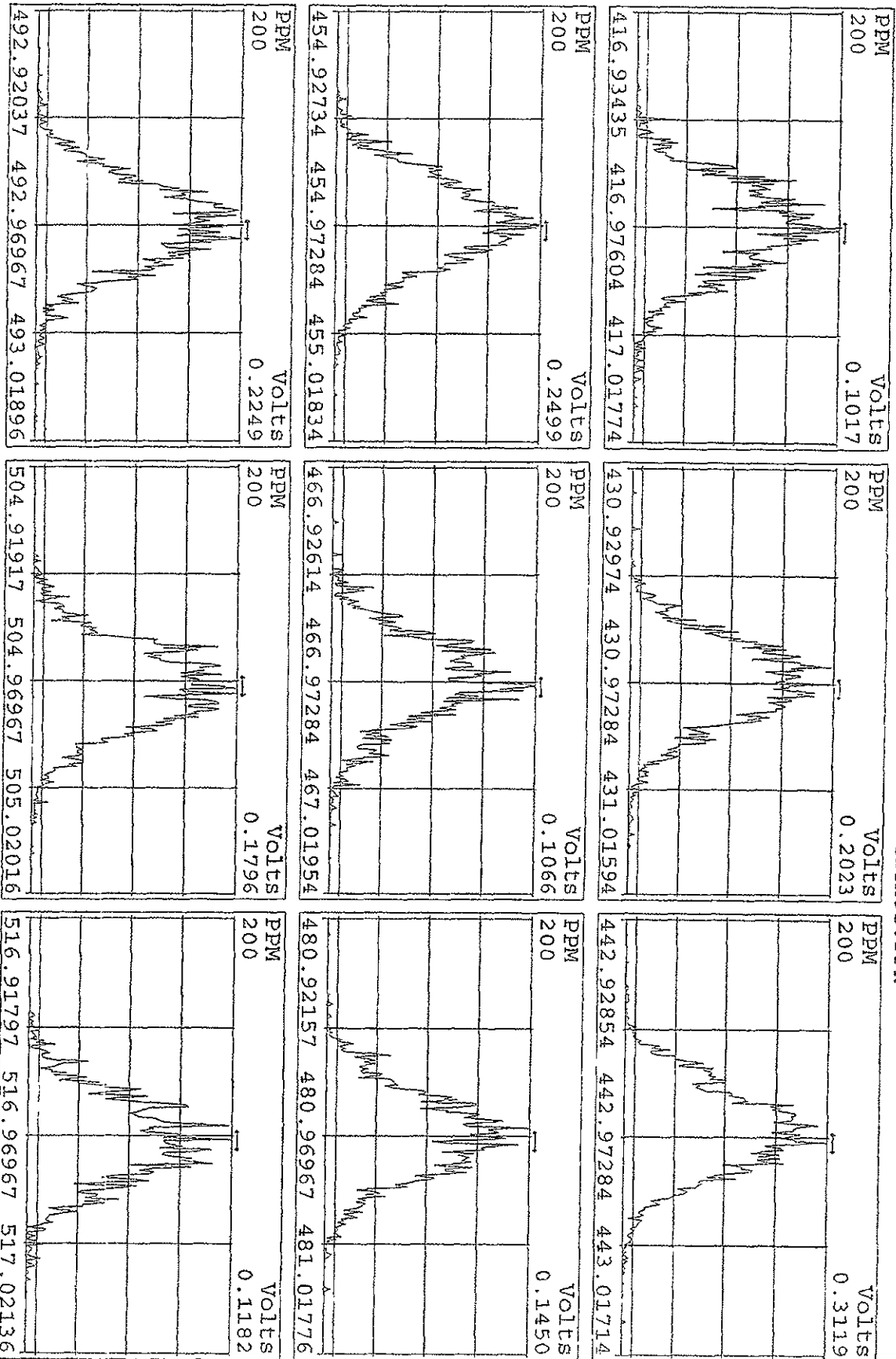
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Experiment: 209DB5 Function: 3 Reference: PFK



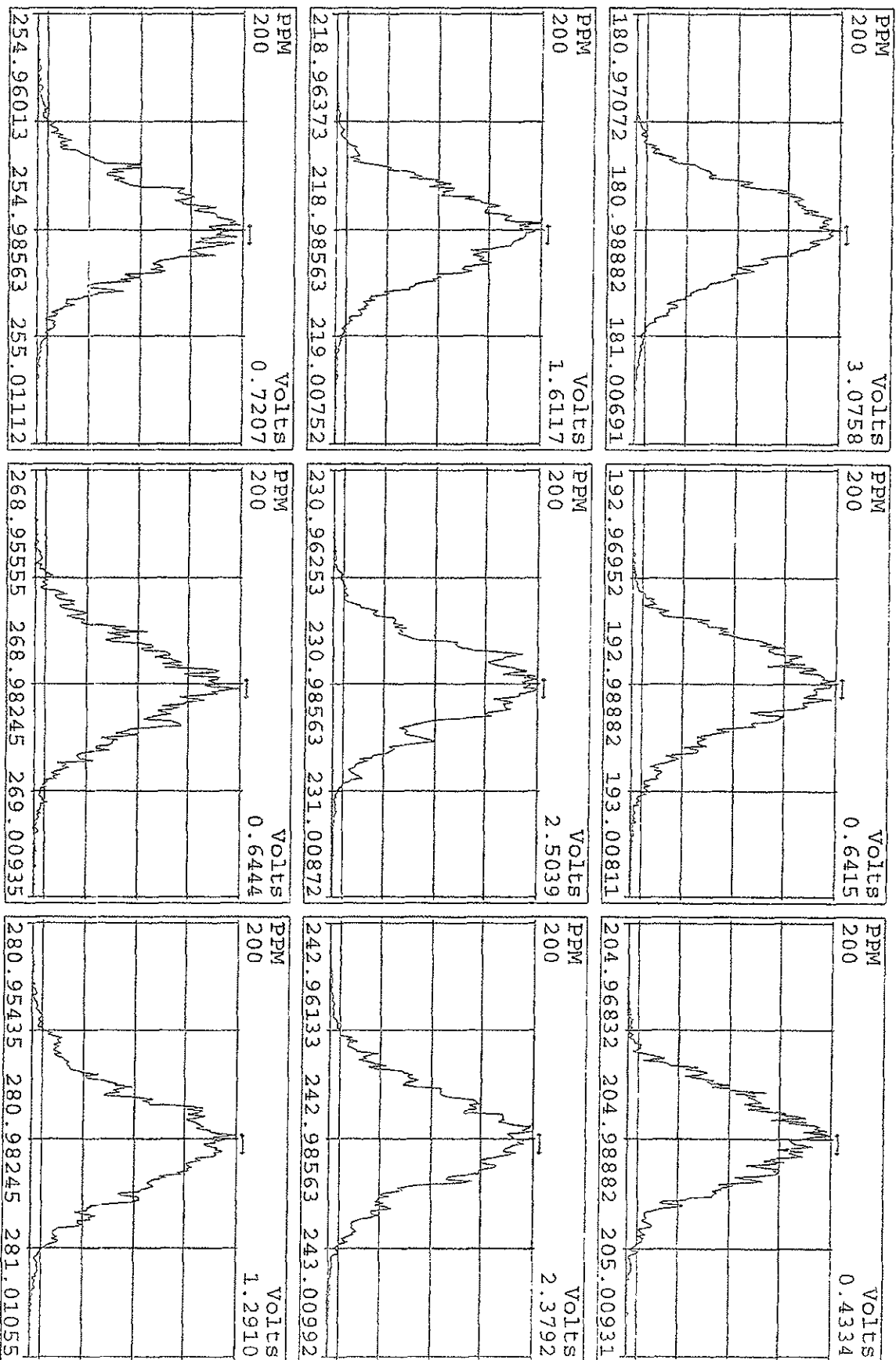
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 Experiment:209DB5 Function:4 Reference:PFK



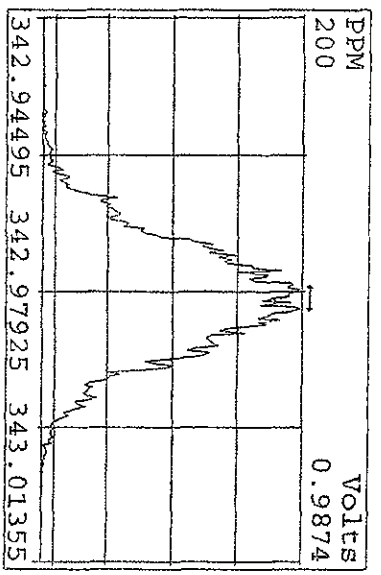
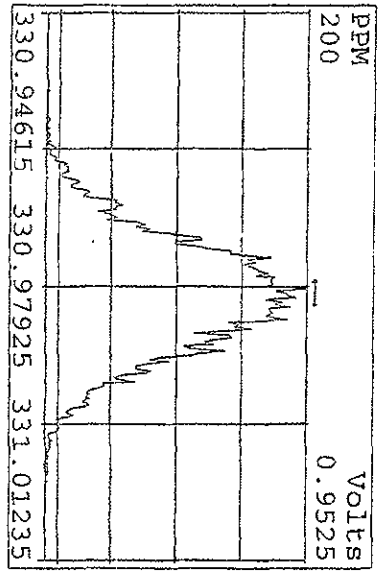
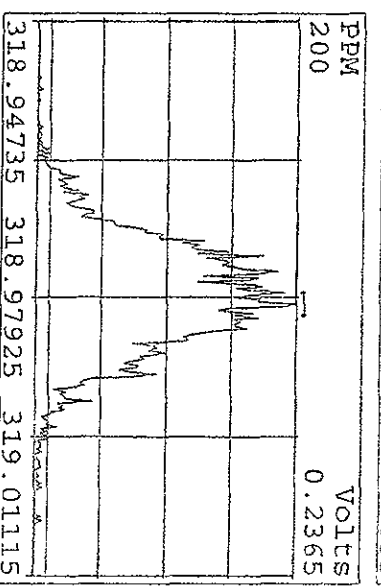
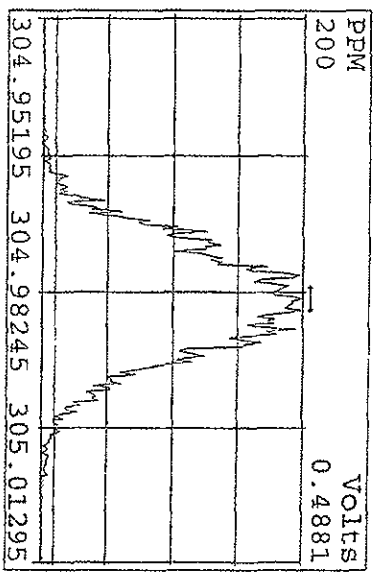
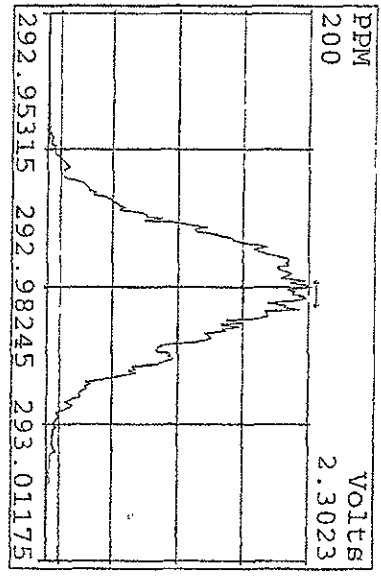
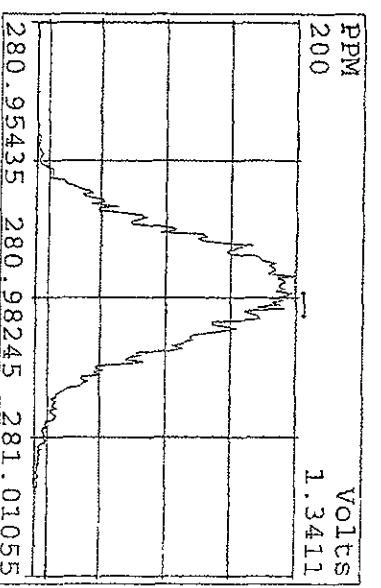
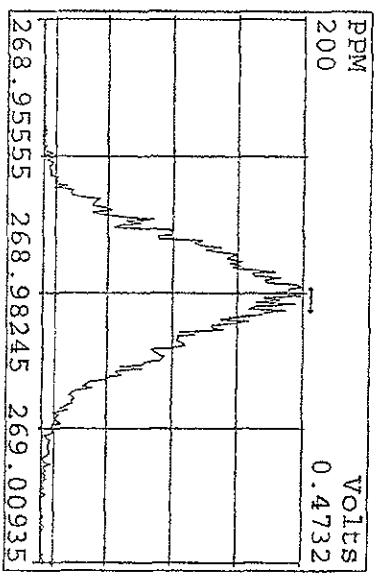
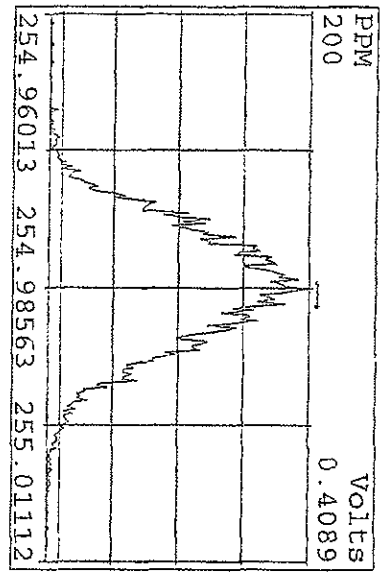
Peak Locate Examination:15-JAN-2009:20:23 File:15JA09D9D5  
 Experiment:209DB5 Function:5 Reference:PKK



Peak Locate Examination:16-JAN-2009:18:46 File:RESCHK15JA09D9D5  
 Experiment:209DB5 Function:1 Reference:PFK

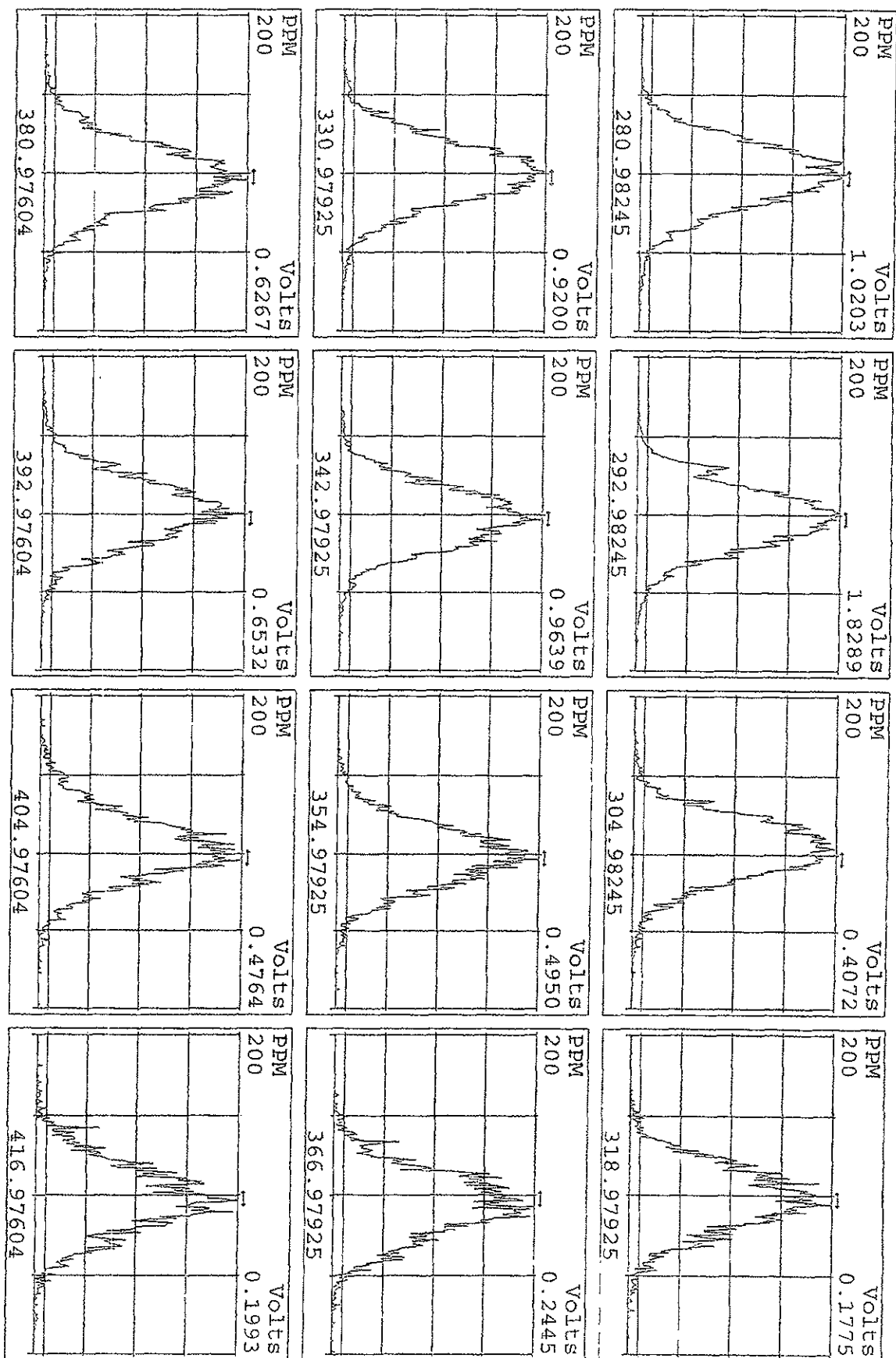


Peak Locate Examination:16-JAN-2009:18:47 File:RESCHK15JA09D9D5  
 Experiment:209DB5 Function:2 Reference:PKX

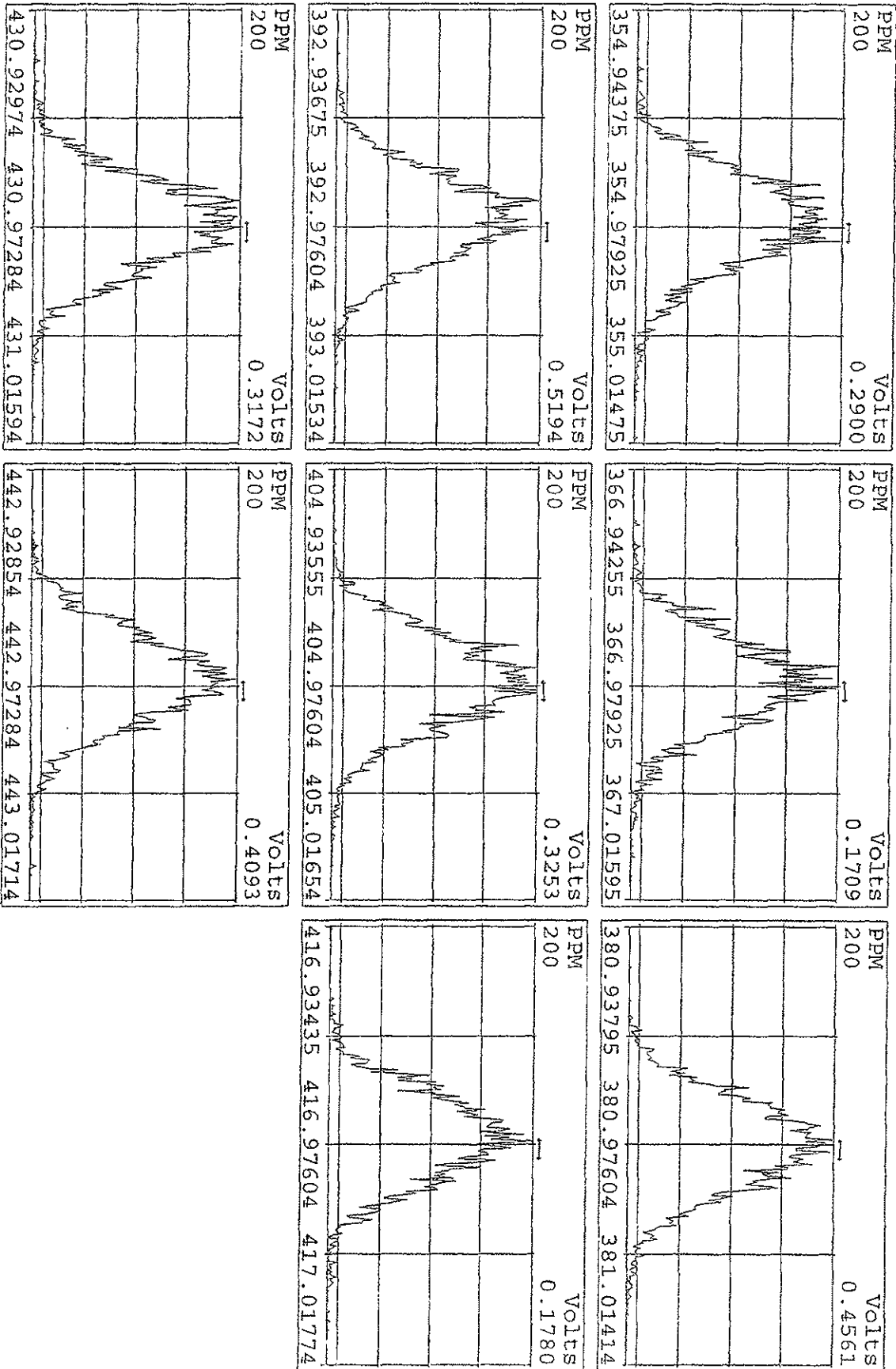




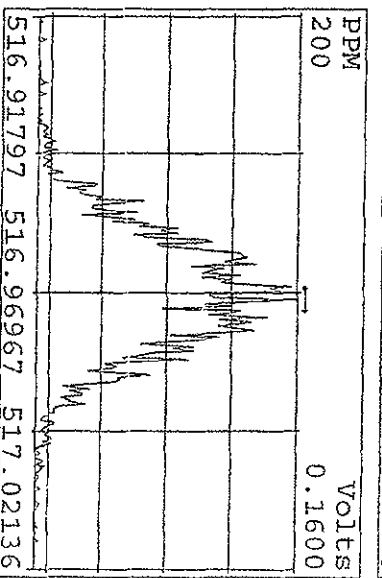
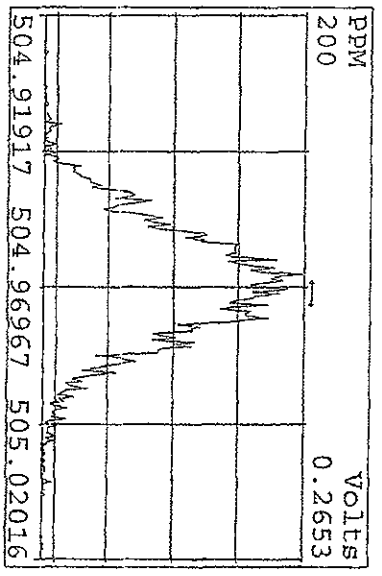
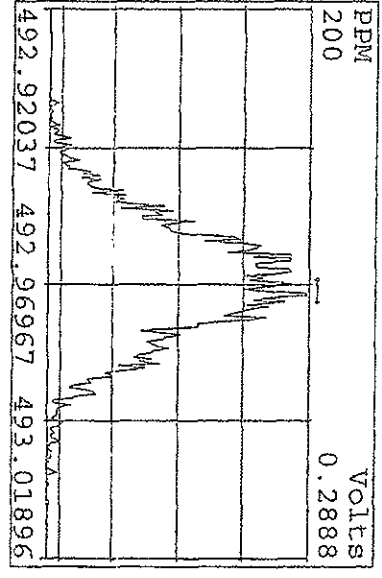
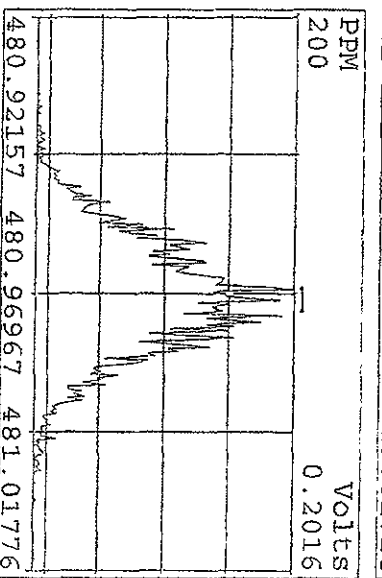
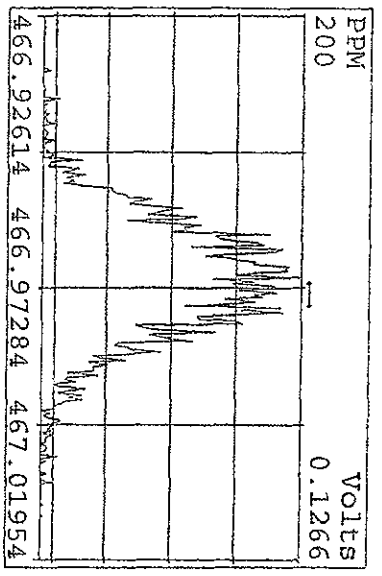
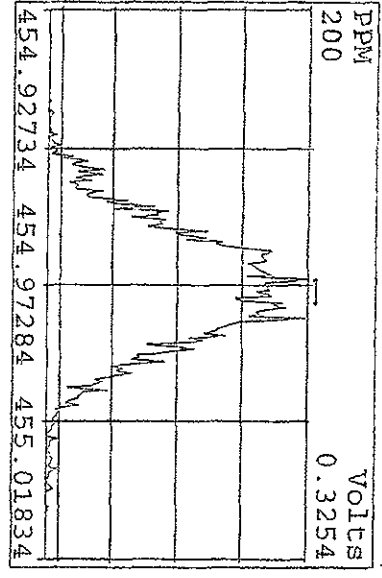
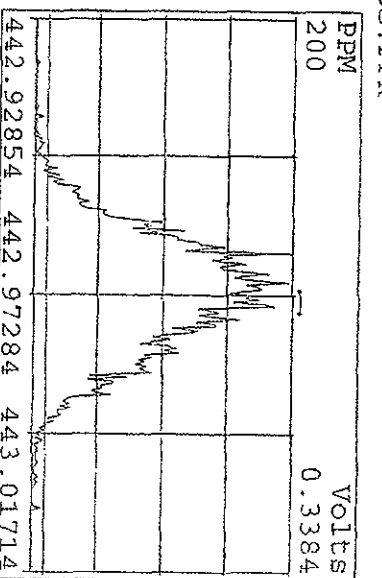
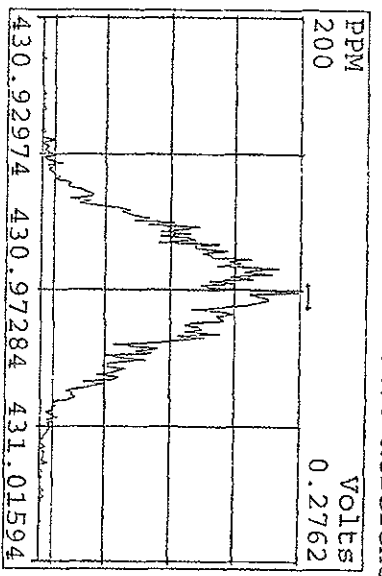
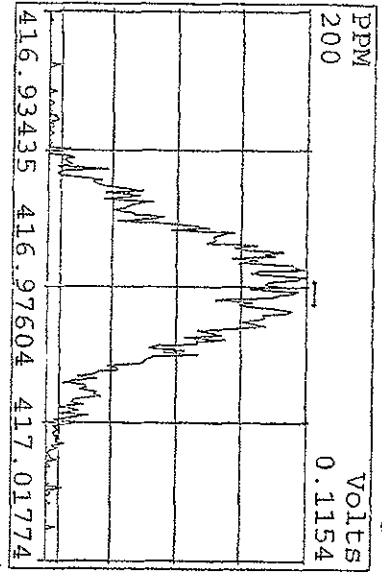
Peak Locate Examination: 16-JAN-2009: 18:48 File: RESCHK15JA09D9D5  
Experiment: 209DB5 Function: 3 Reference: PK



Peak Locate Examination: 16-JAN-2009: 18:48 File: RESCHK15JTA09D9D5  
 Experiment: 209DB5 Function: 4 Reference: PFK

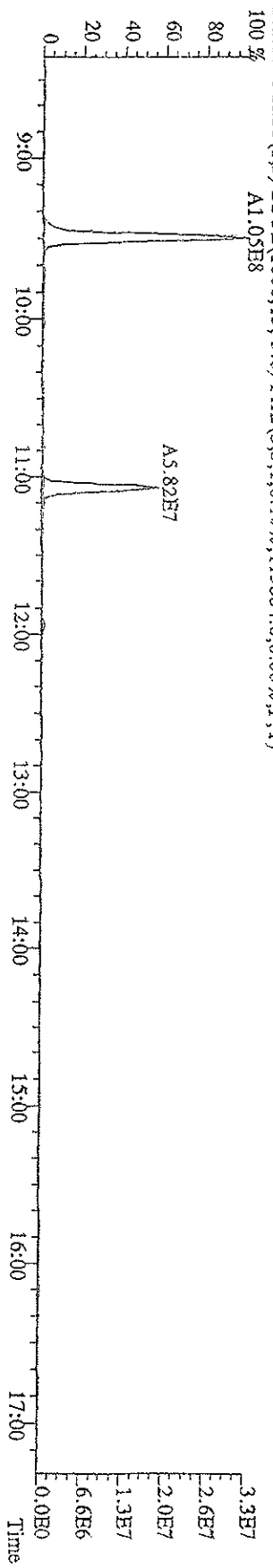
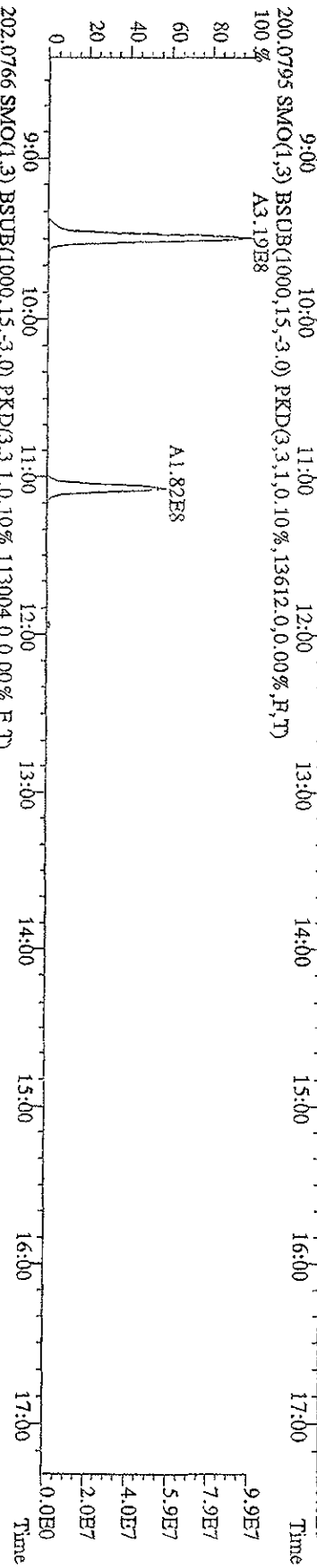
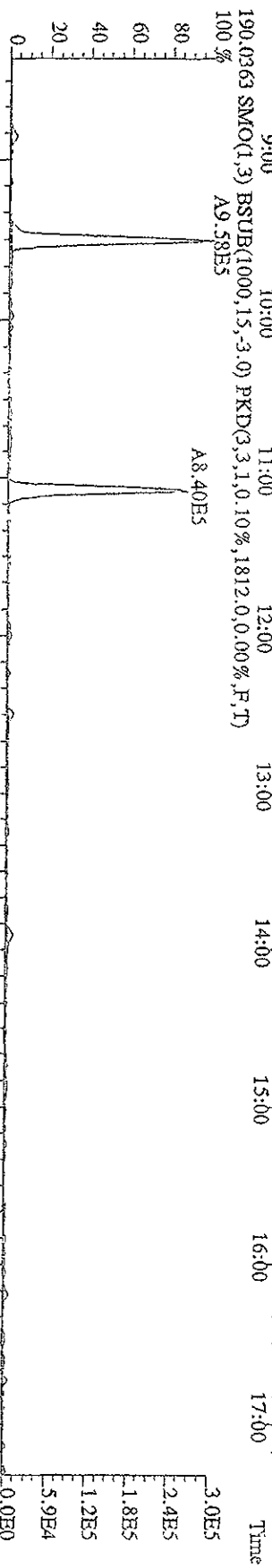
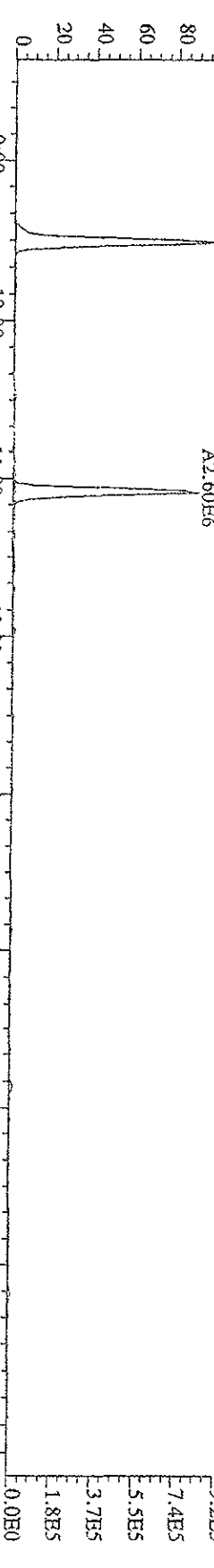


Peak Locate Examination:16-JAN-2009:18:49 File:RESCHK15JA09D9DS  
 Experiment:209DB5 Function:5 Reference:PFK

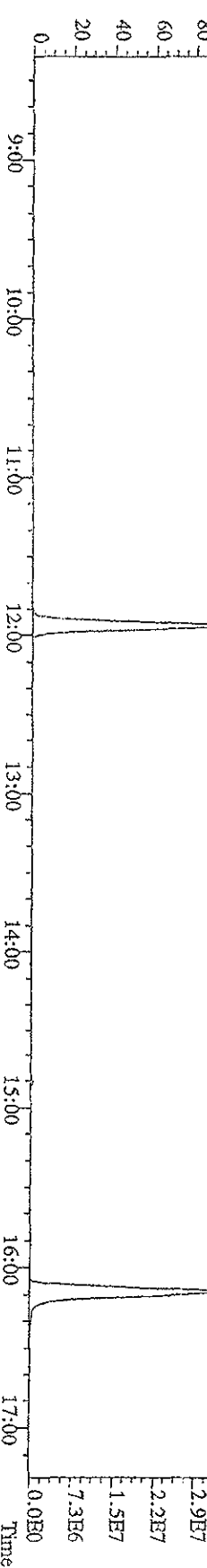
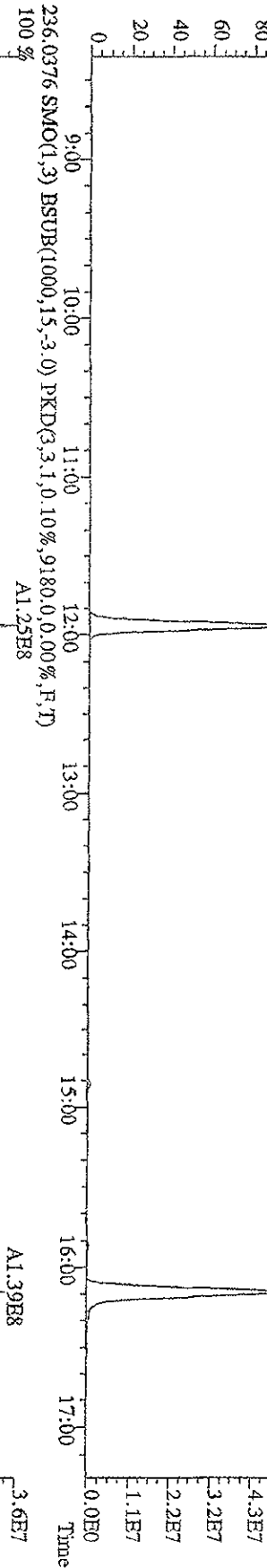
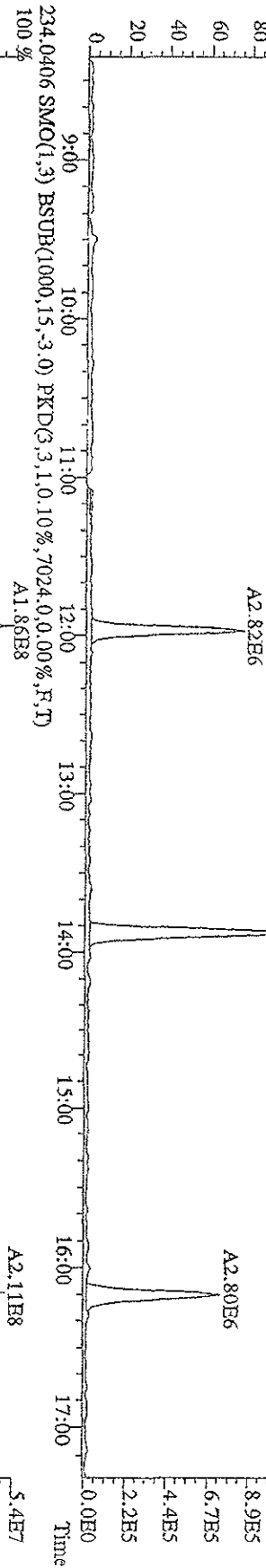
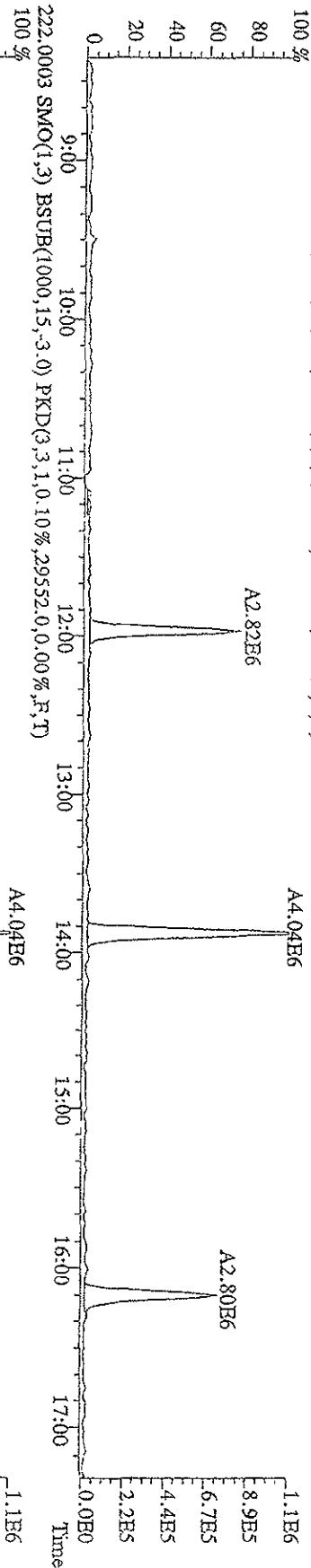


File:151A09DD9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-UltimaB

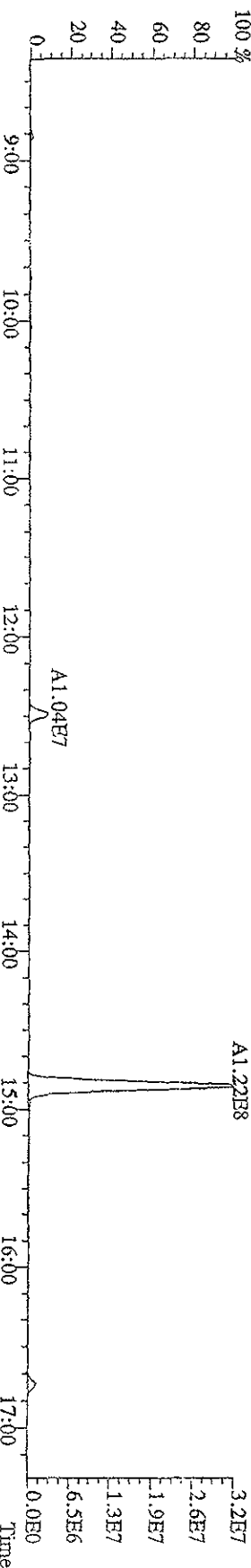
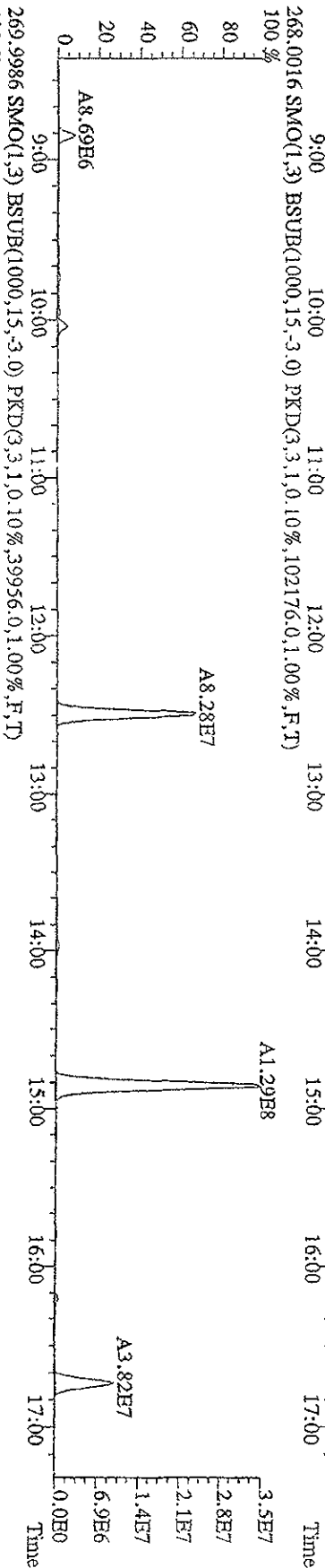
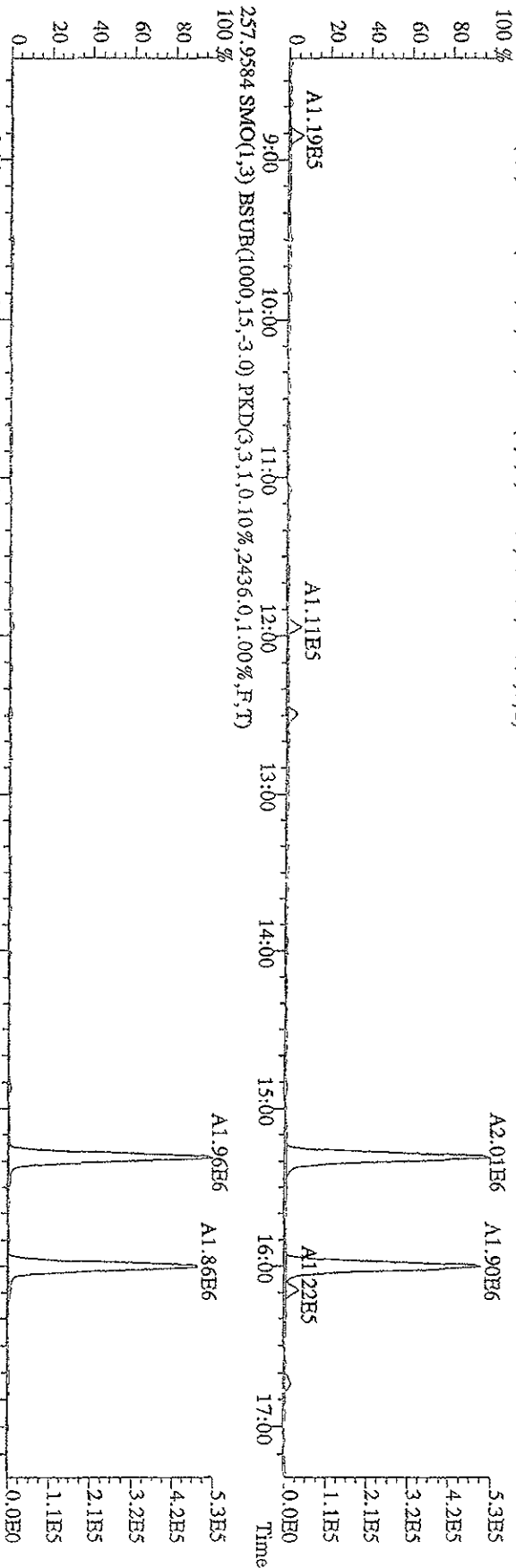
Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5



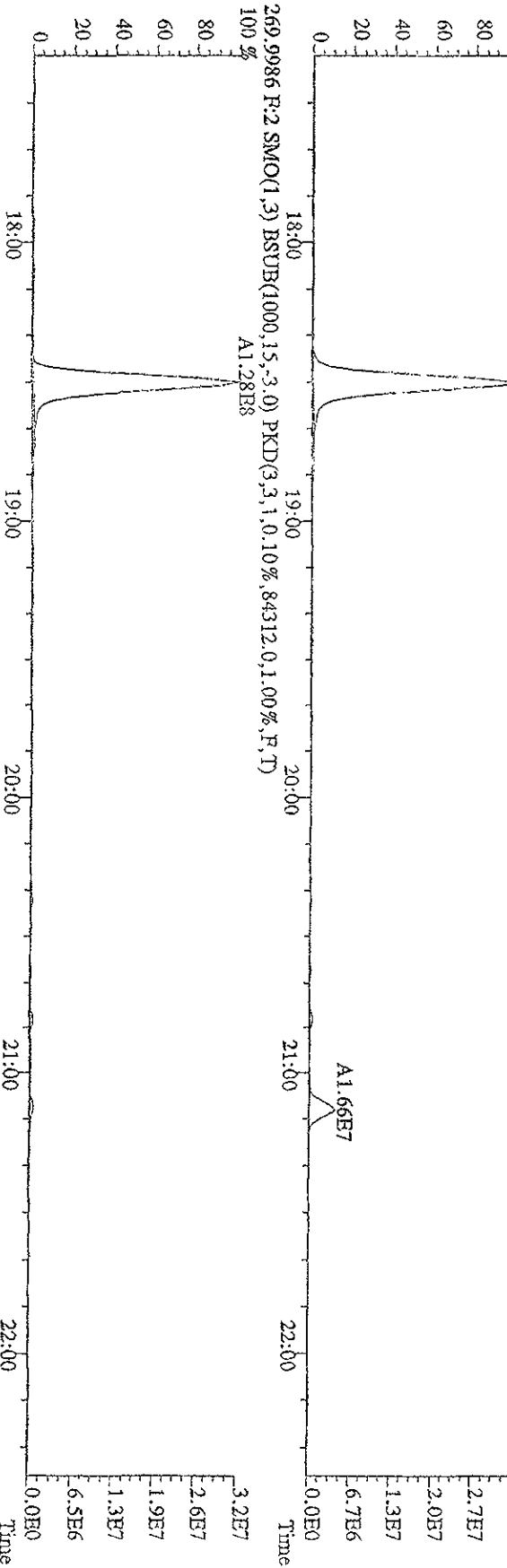
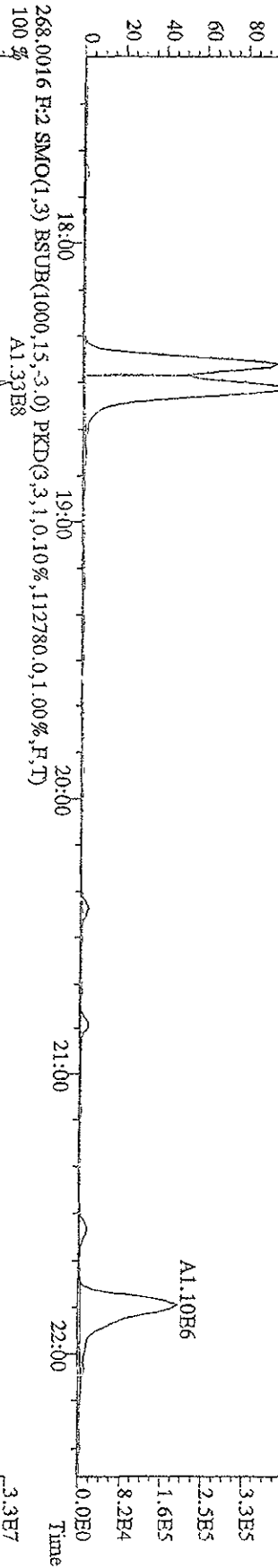
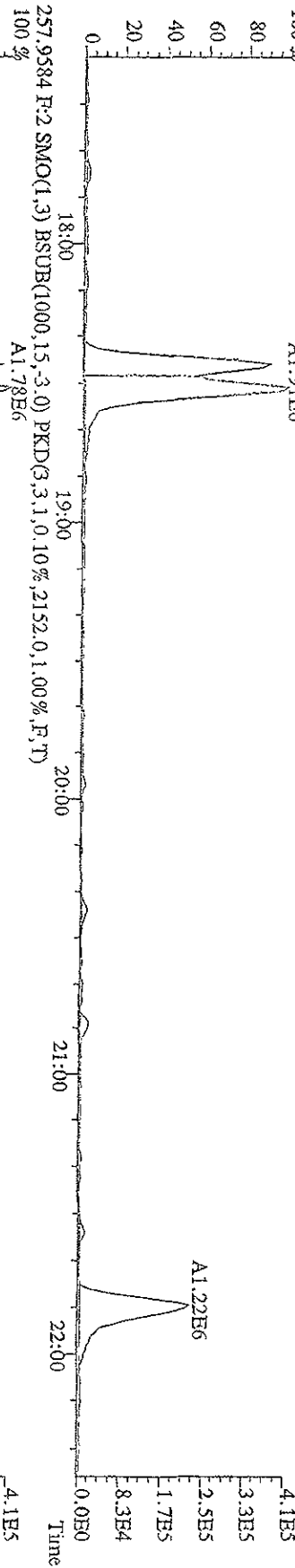
File:15JA09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Tex:ST0115 :CSI 09DXN014 Exp:209DB5  
 222.0003 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,29552.0,0.00%,F,T)



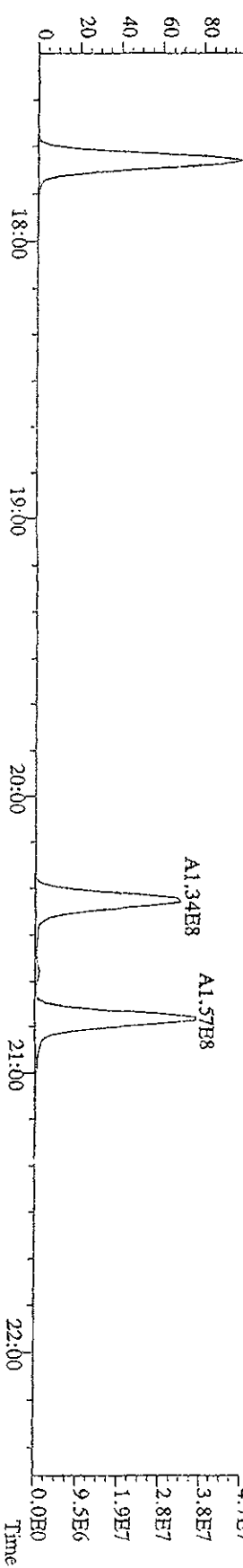
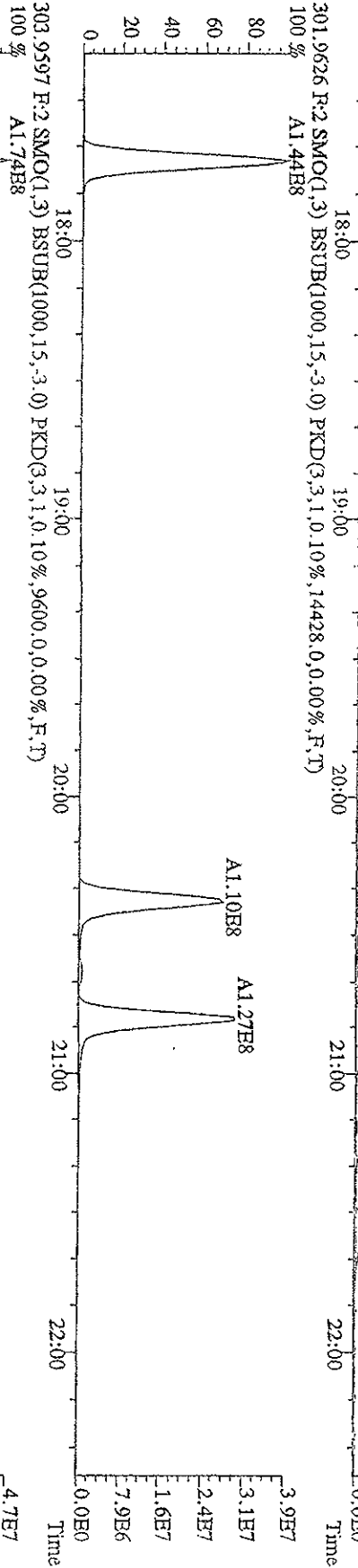
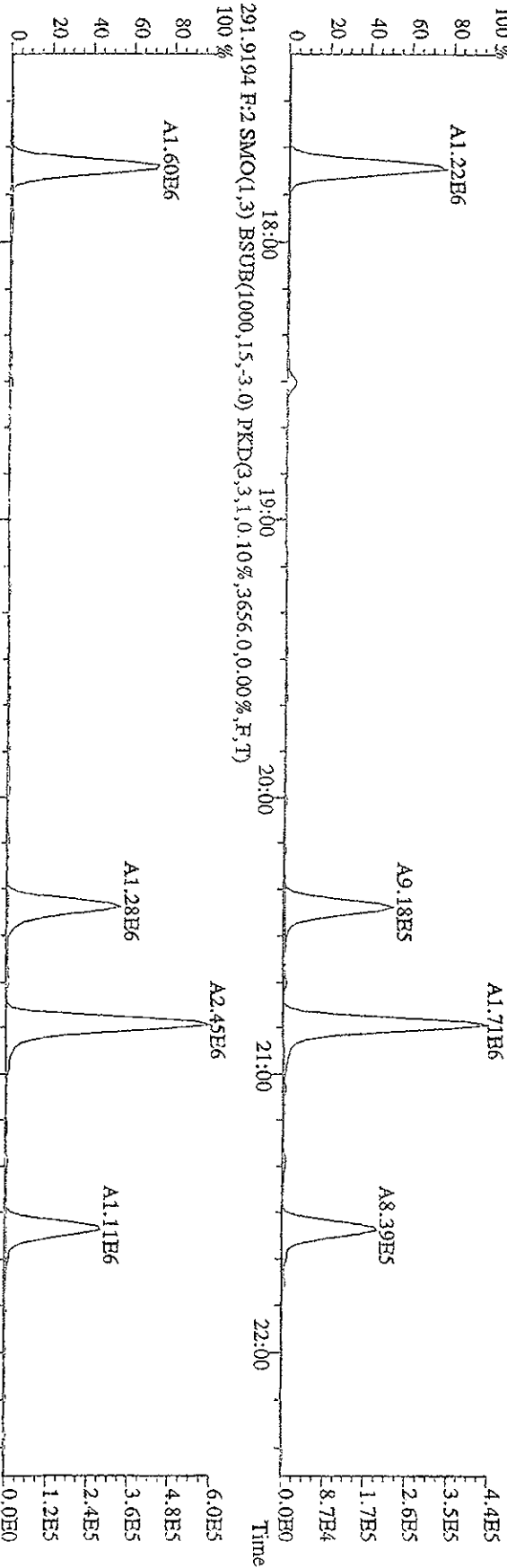
File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage:SR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 255.9613 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,4620,0,1,00%,F,T)



File:15JA09DD5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimeF  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 257.9584 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2152,0,1,00%,F,T)  
 100% A1.91E6

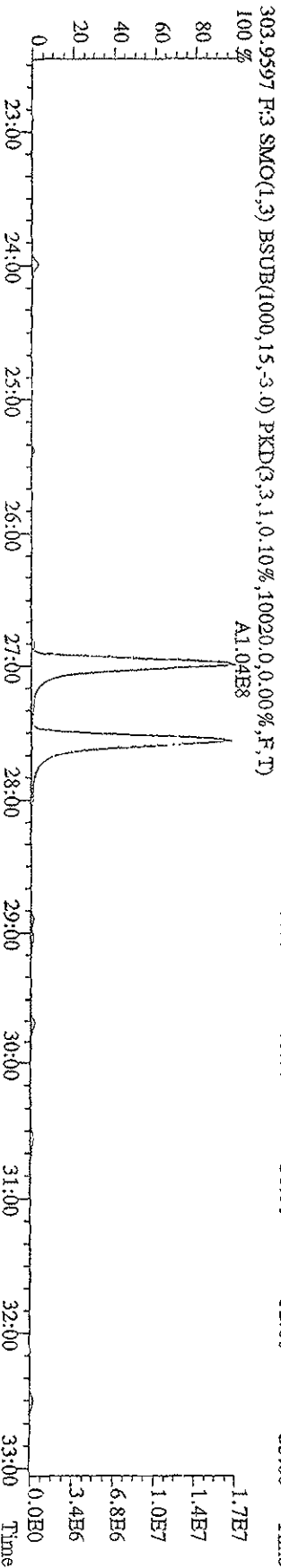
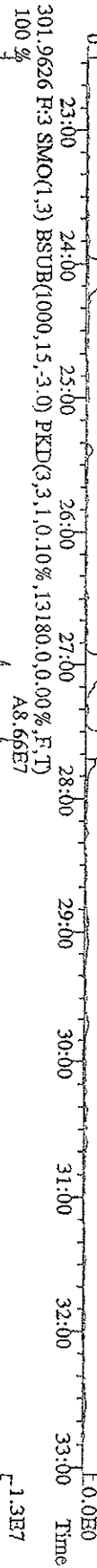
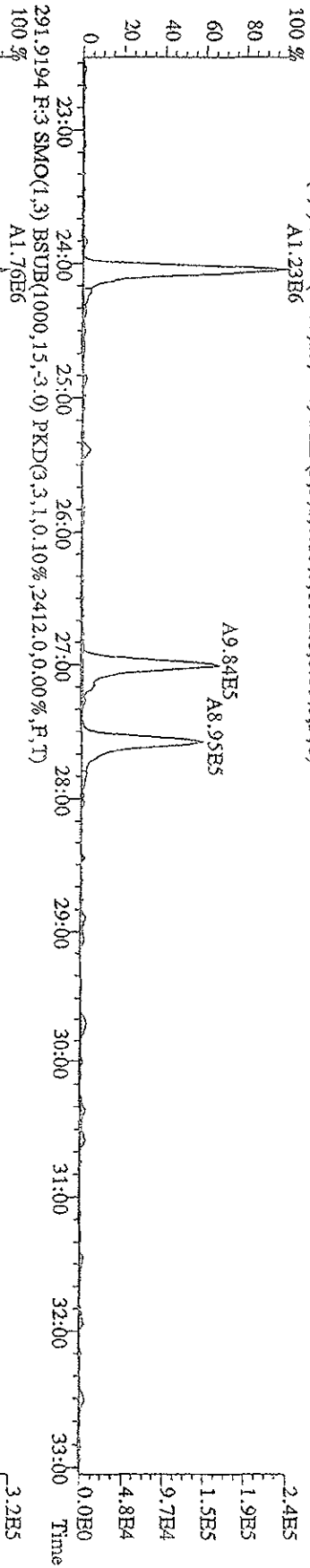


File:15JA09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SFR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 289.9224 F:2.SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1736,0,0.00%,F,T)  
 100 %

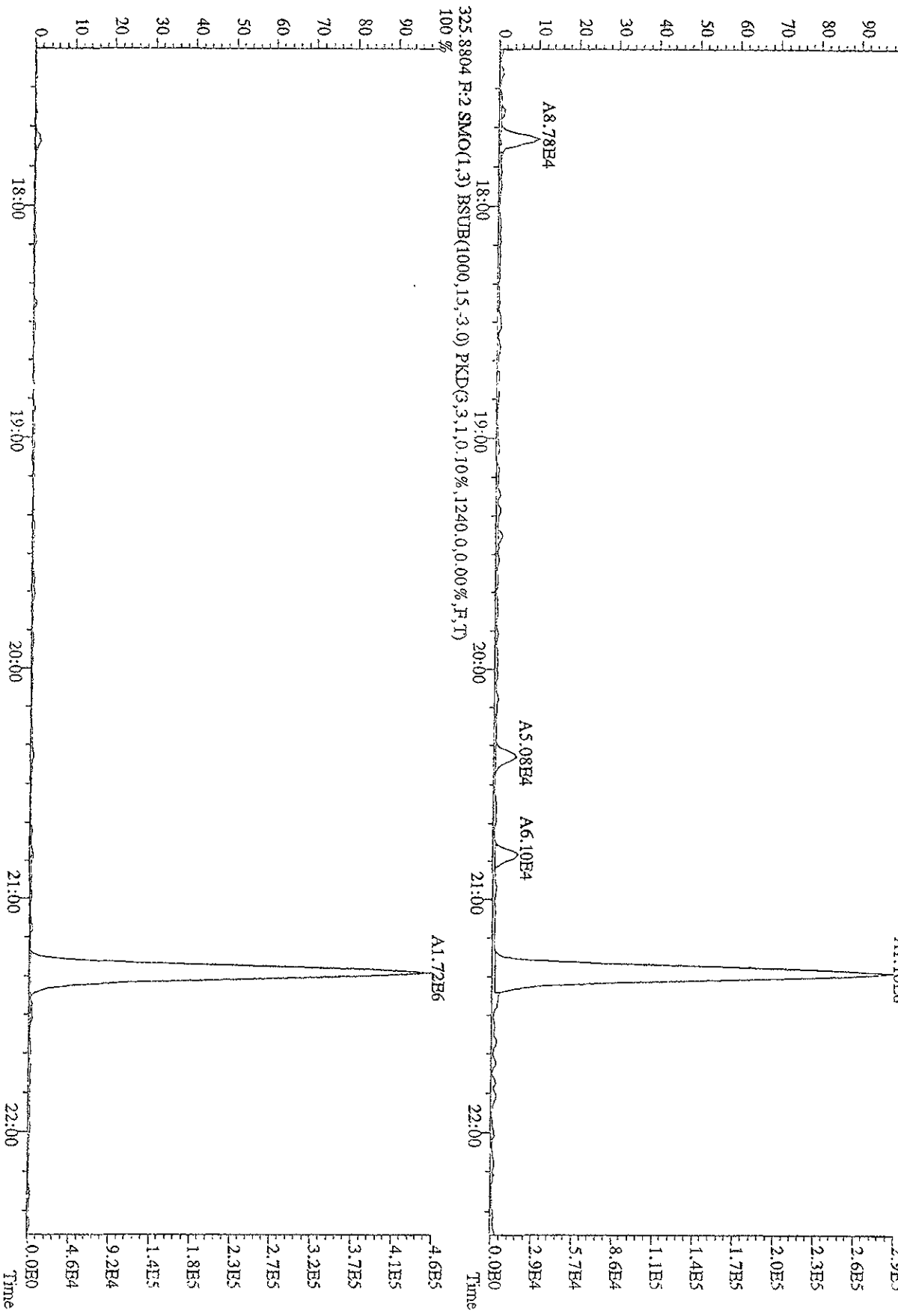




File:15JA09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UHlmAB  
 Sample#1 Text:ST0115 :CSI 09DXND14 Exp:209DB5  
 289.9224 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1072.0,0.00%,F,T)  
 100%

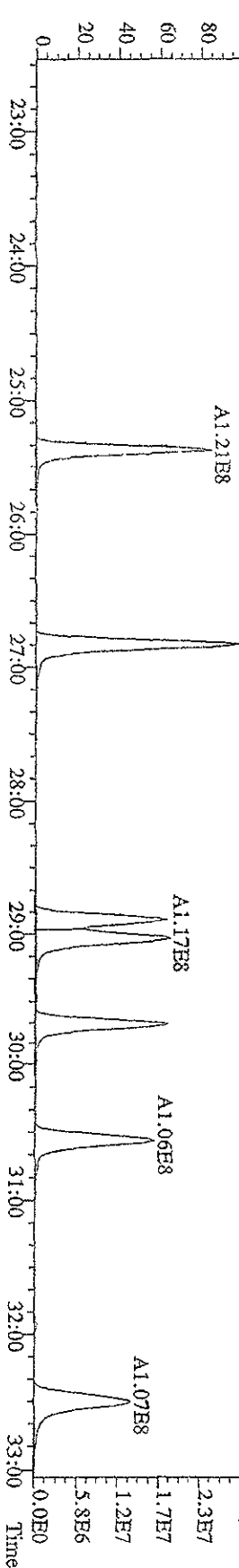
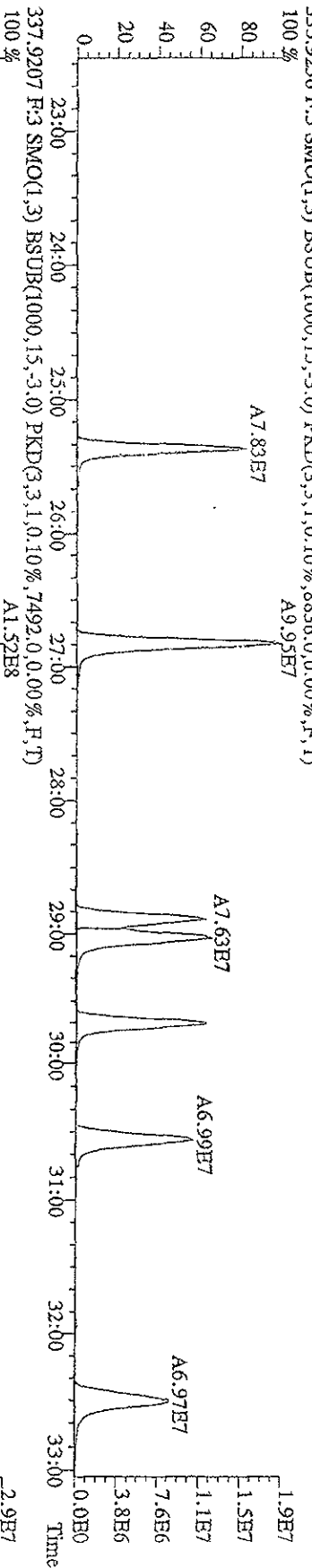
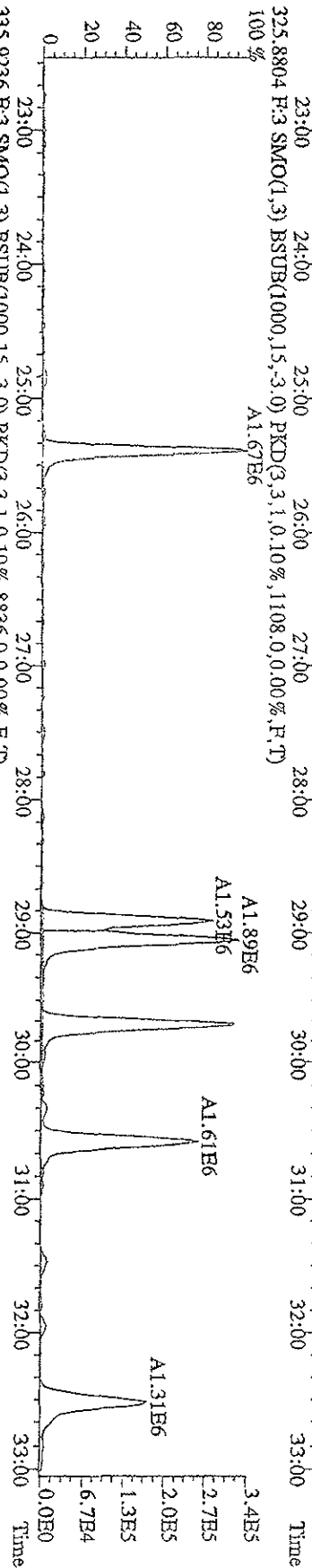
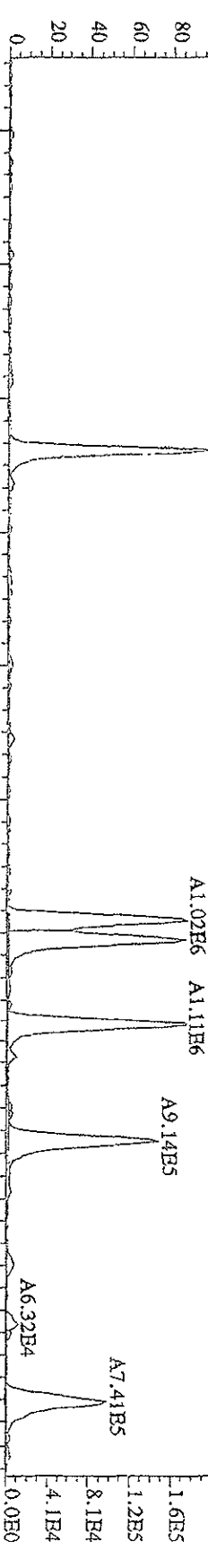


File:151A09DD9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC HI+ Voltage SFR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CST 09DXN014 Exp:209DB5  
 323.8834 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1240,0,0,00%,F,T)

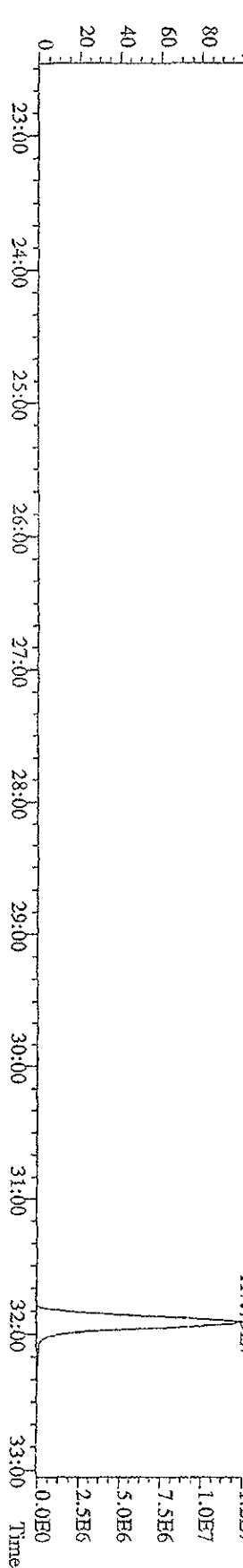
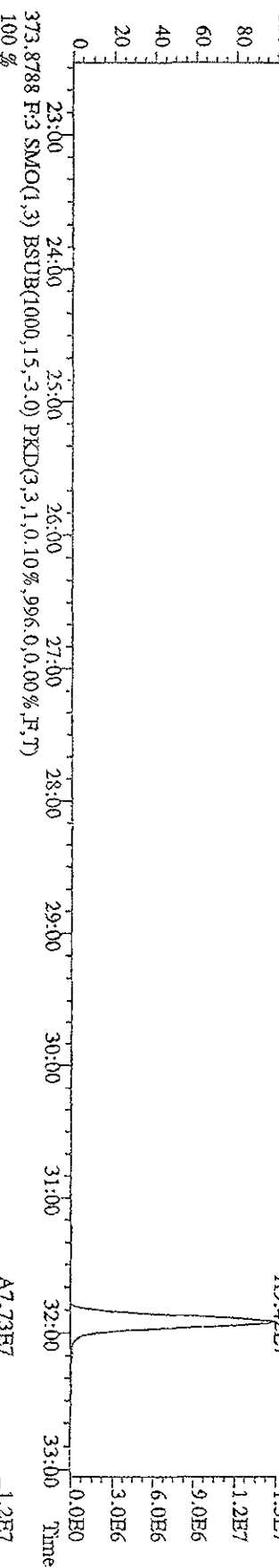
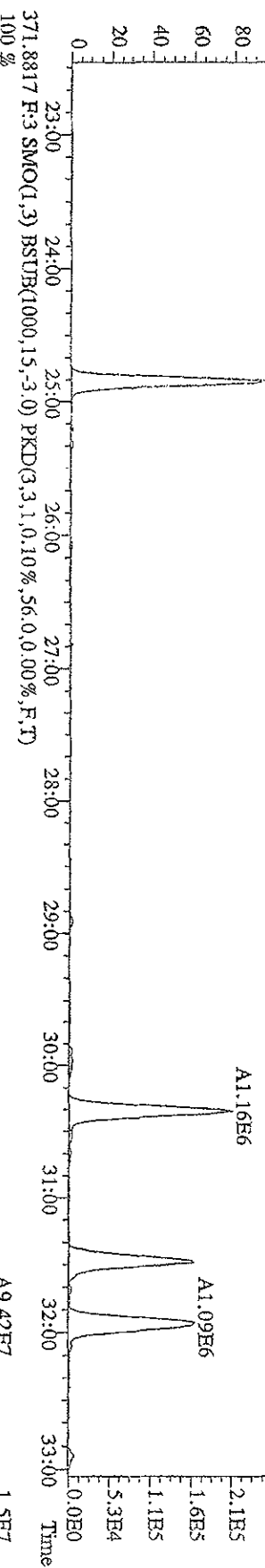
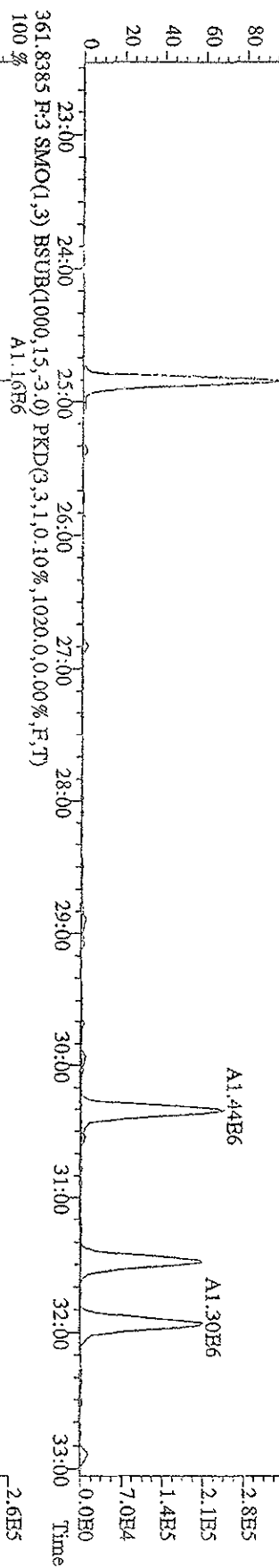


File:15IA09DD9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC BF + Voltage SIR Autospec-UltimaE

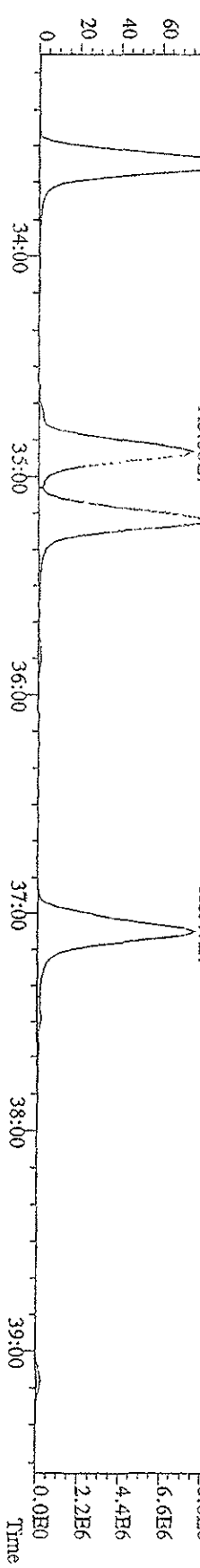
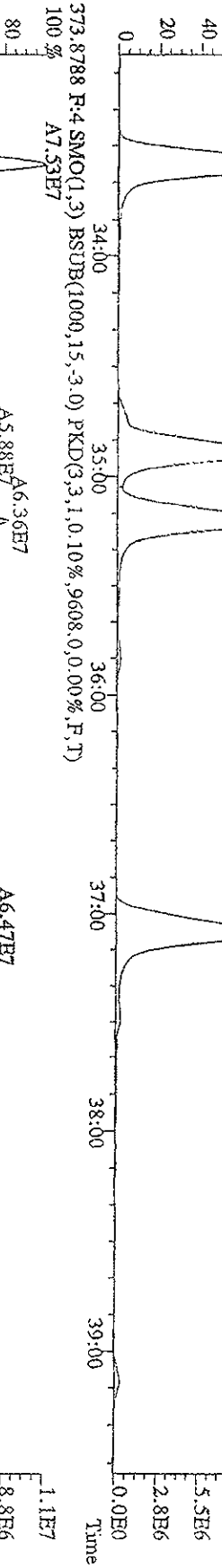
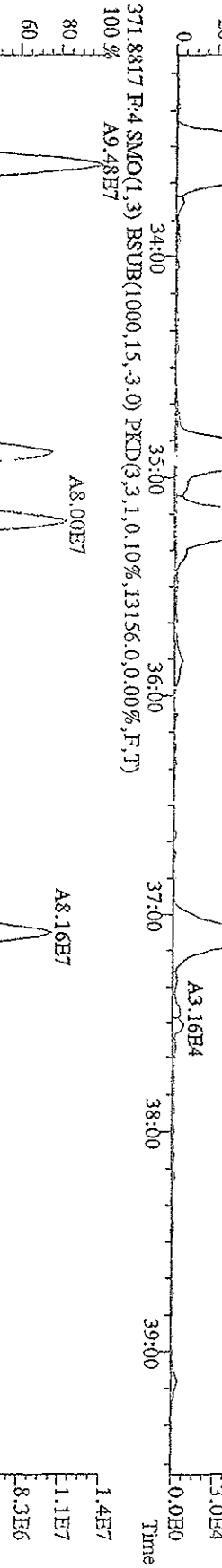
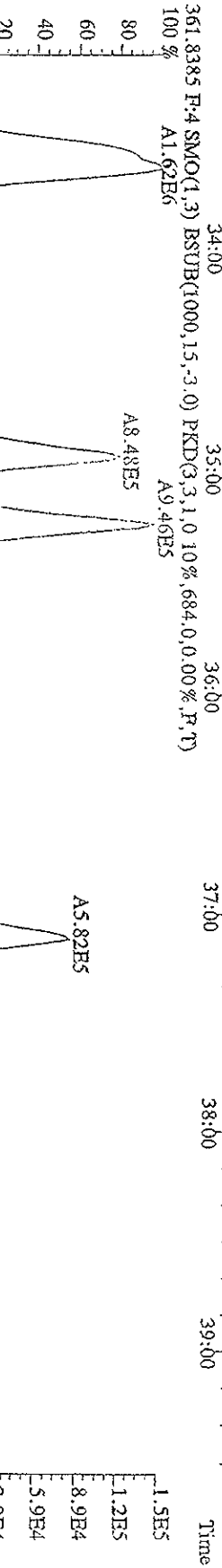
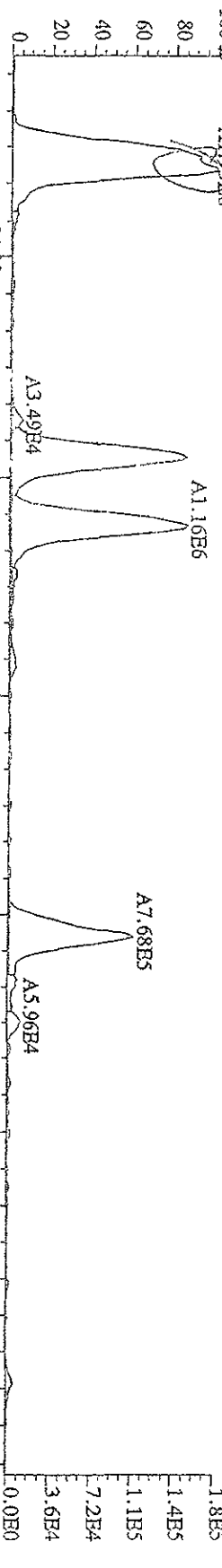
Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5



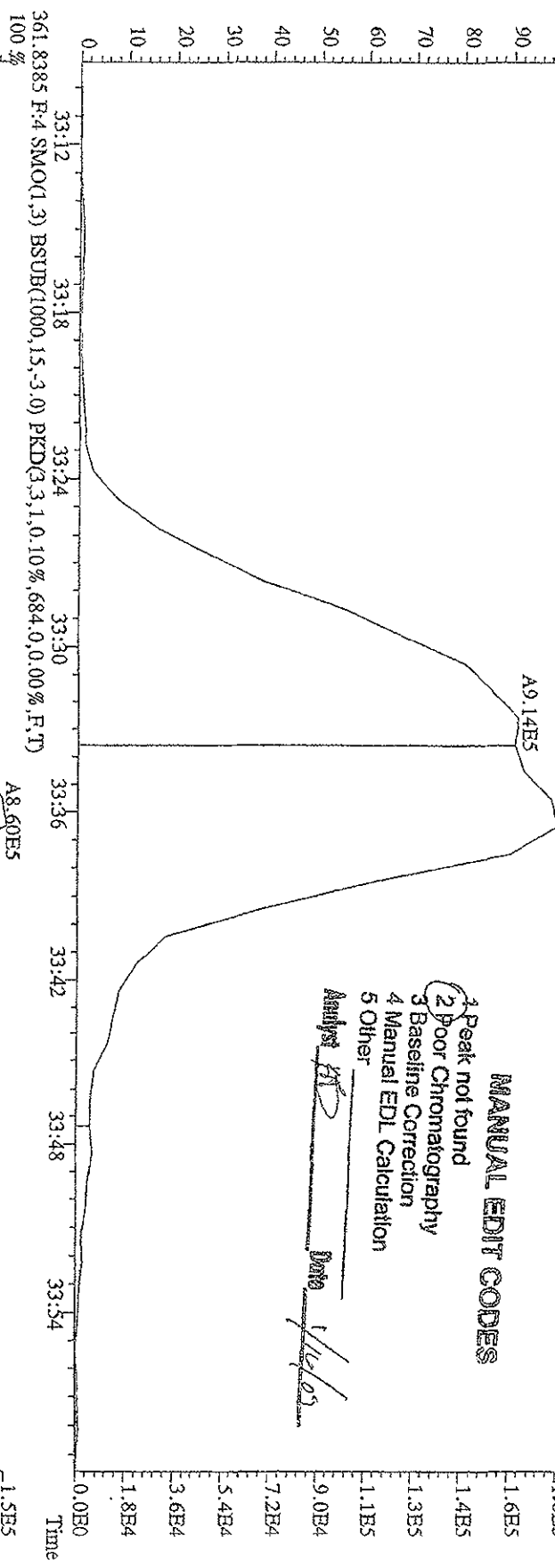
File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-UltimaE  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359.8415 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1376,0.0,0.00%,F,T)  
 100% A1.59E6



File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359.8415 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3.3,1.0,10%,928.0,0.00%,F,T)



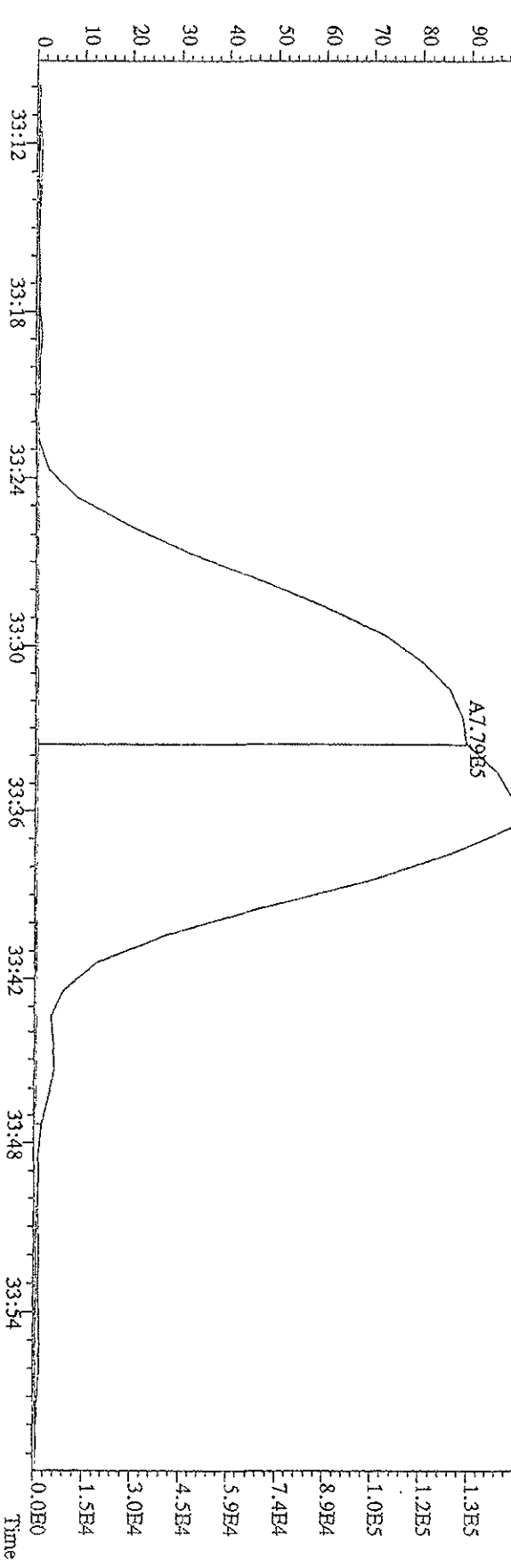
File: 151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC HF + Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,928.0,0.00%,F,T)



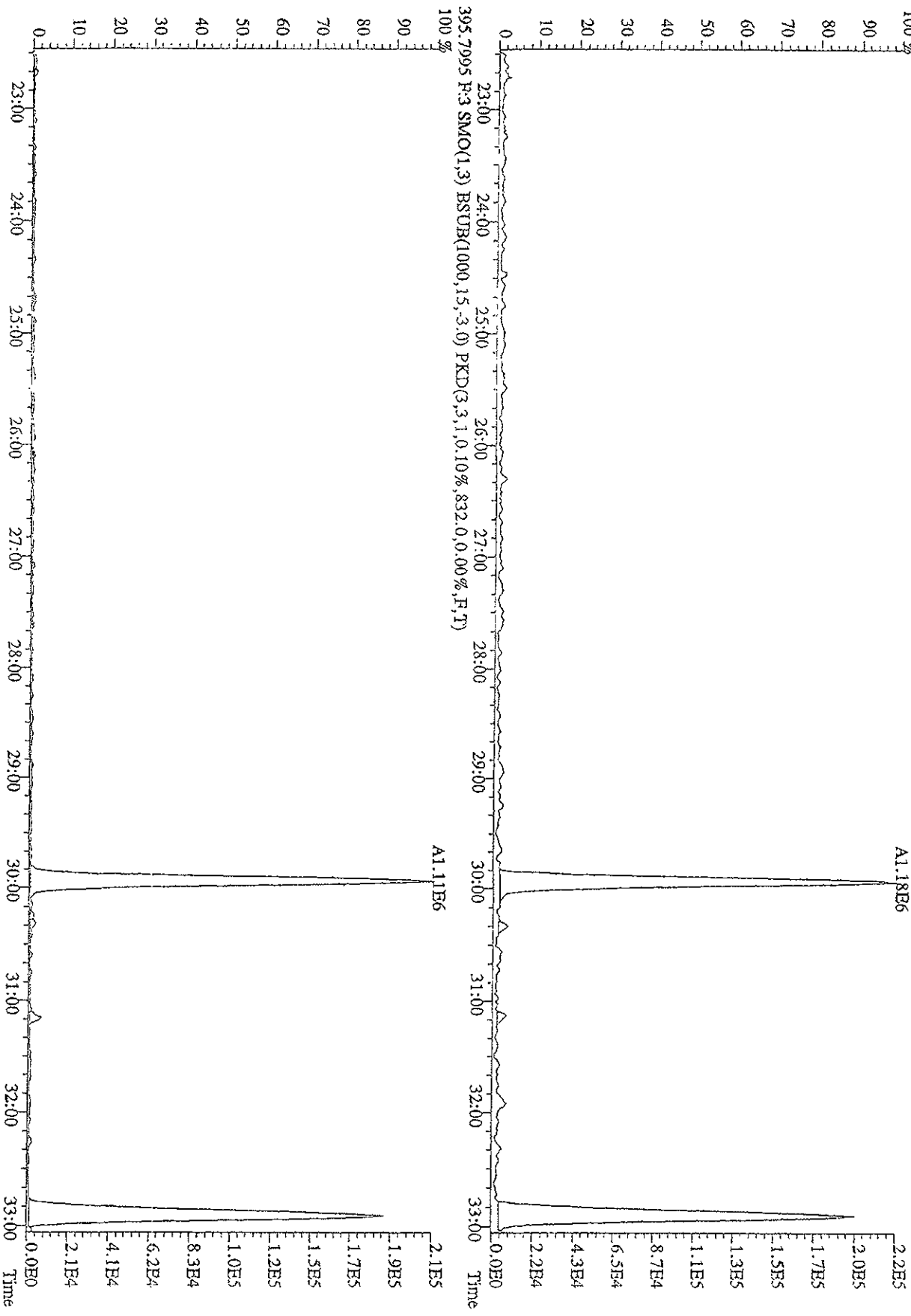
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

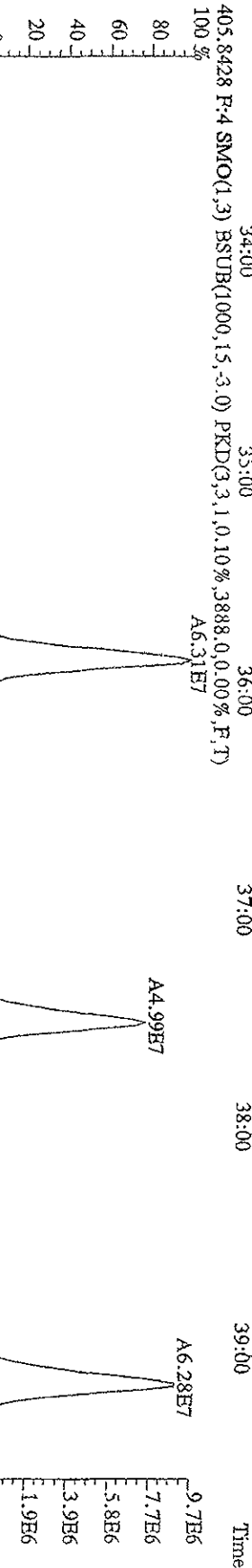
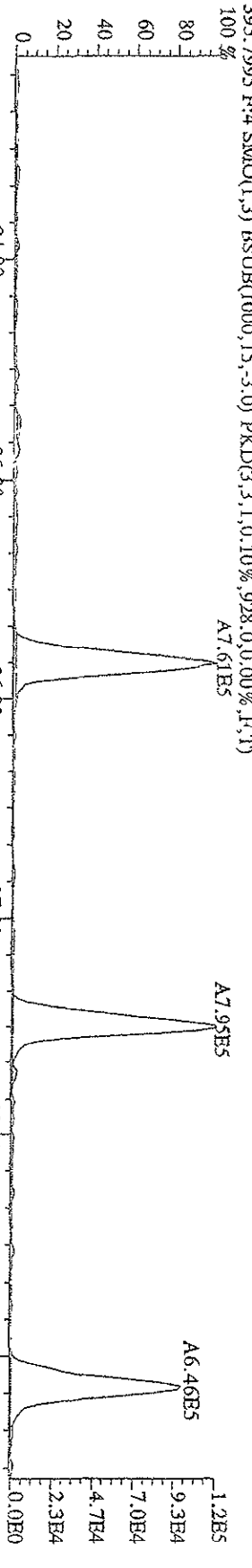
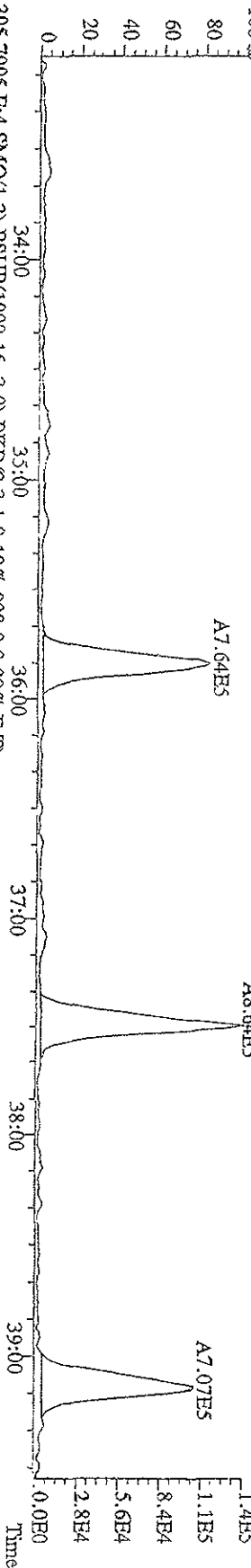
Analyst HTD Date 1/14/05



File:15JA09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UHmahE  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 393.8025 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3252.0,0.00%,F,T)

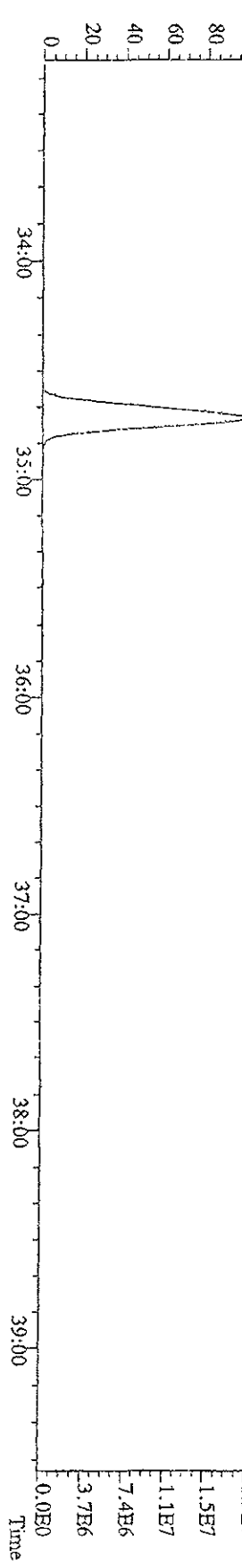
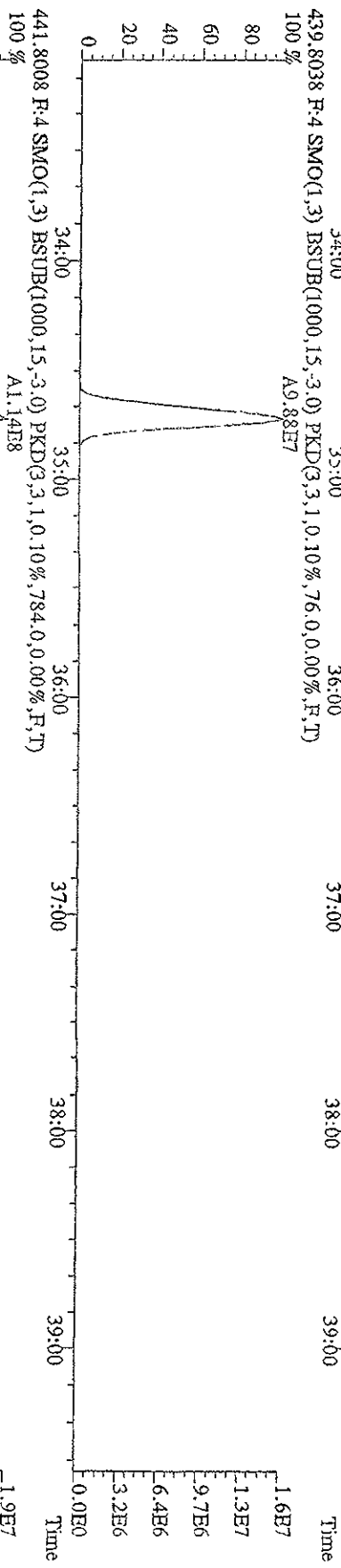
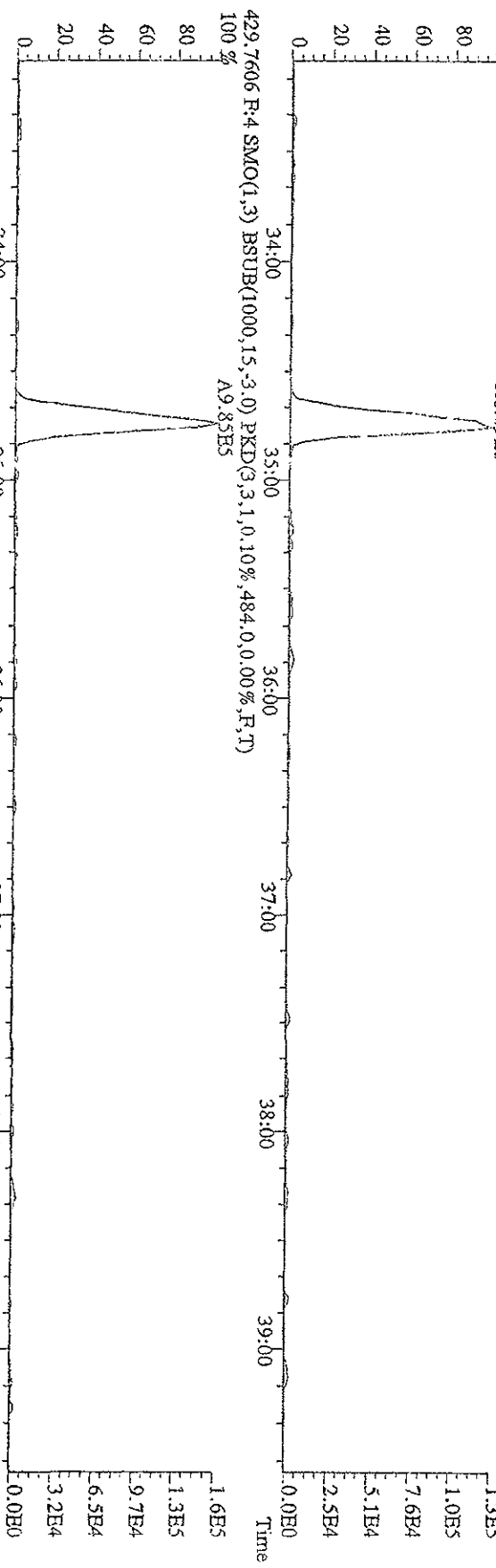


File:15TA09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 395.8025 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3464,0,0,00%,F,T) 100%

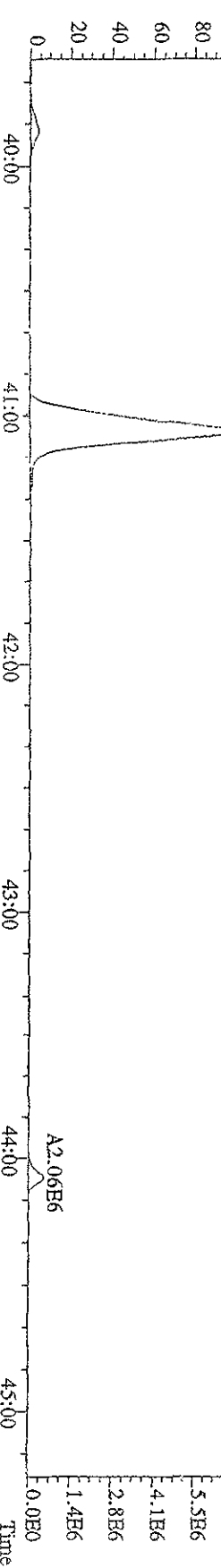
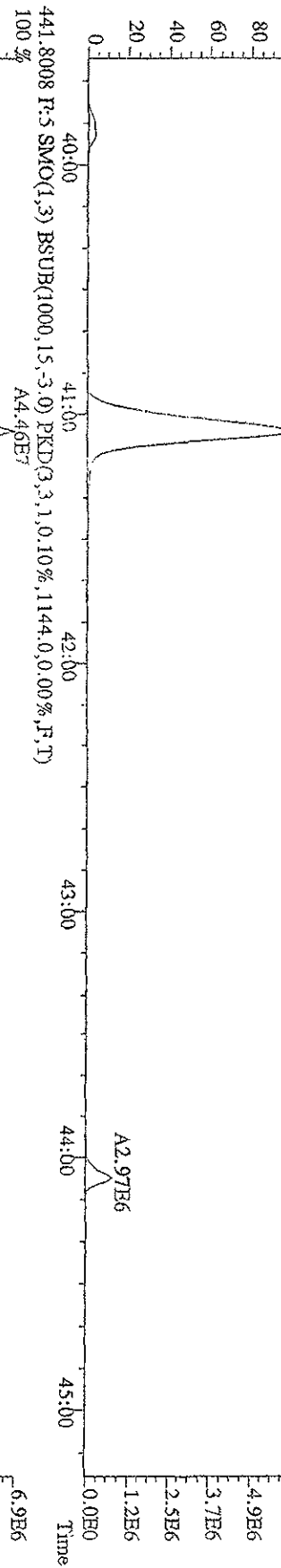
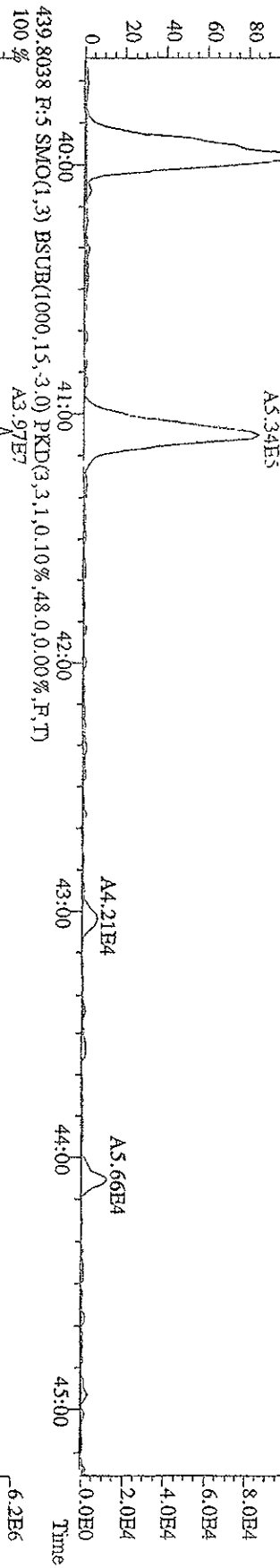
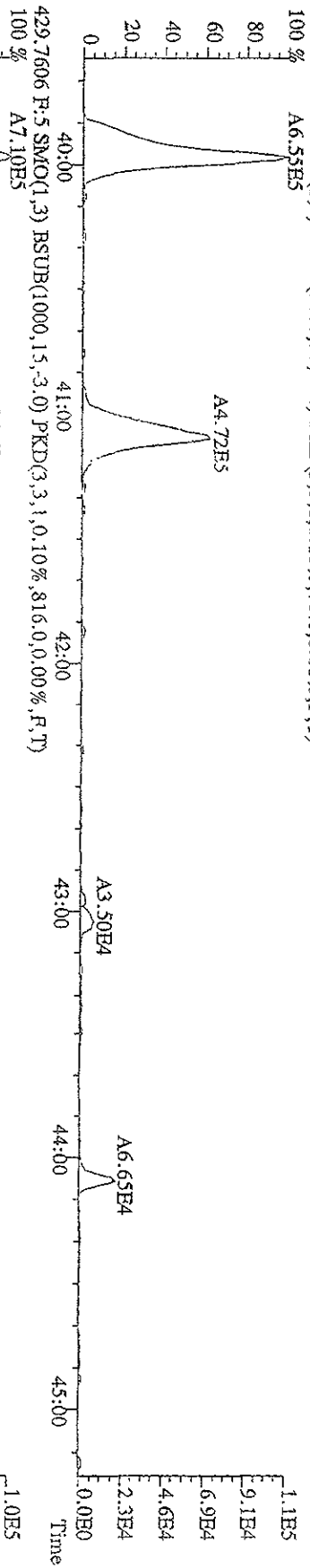




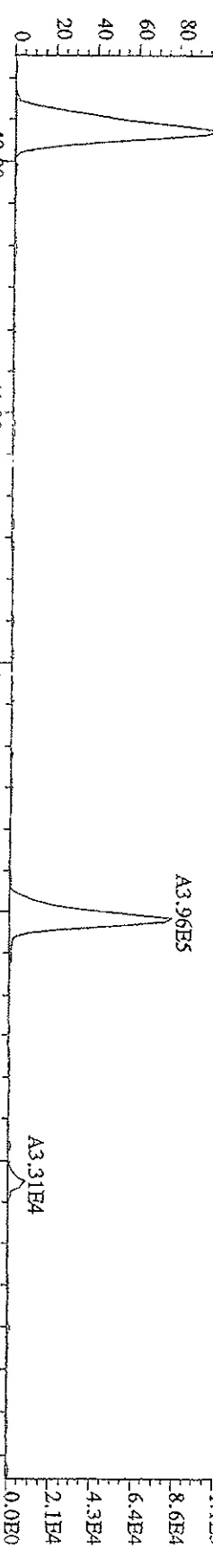
File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC HF+ Voltage STR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 427.7635 R:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,484,0,0,00%,F,T)  
 100% A8.09E5



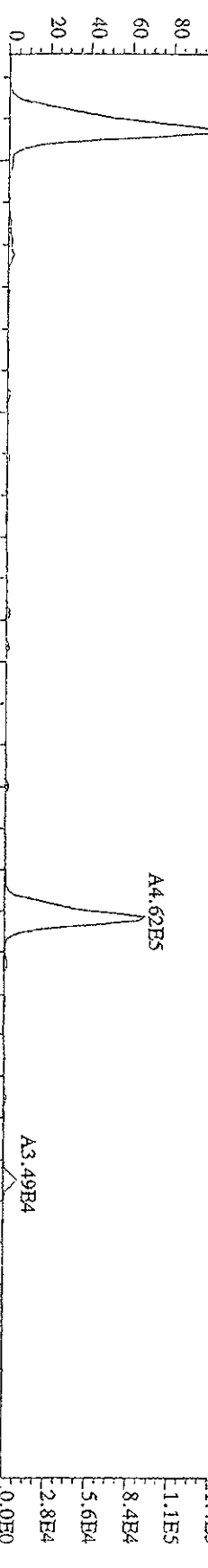
File: 151A09D9D5 #1-378 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-UltimaB  
 Sample#1 Text: ST0115 :CSI 09DXN014 Exp: 209DB5  
 427.7635 F-5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,76,0,0,00%,F,T)  
 100% A6.55E5



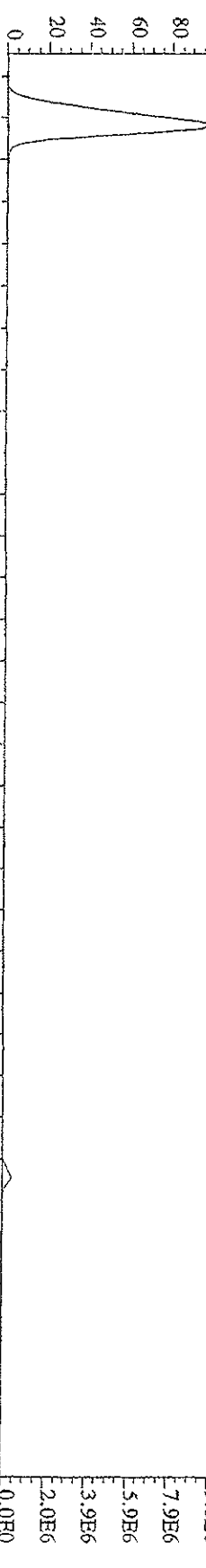
File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
461.7245 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,44.0,0.00%,F,T)  
100% A6.17B5



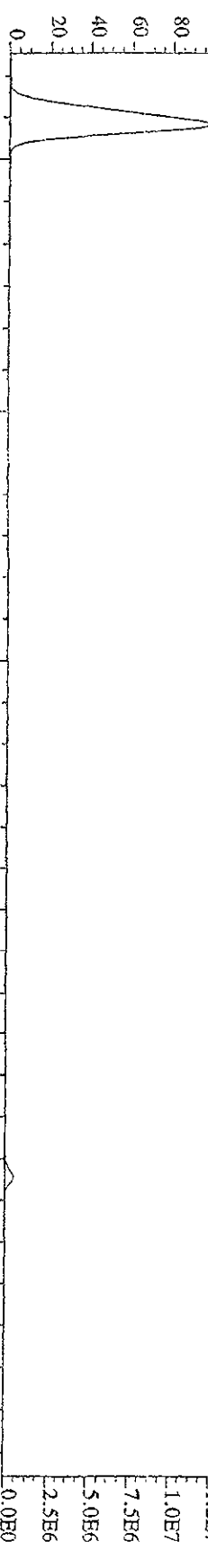
463.7216 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,40.0,0.00%,F,T)  
100% A8.33B5



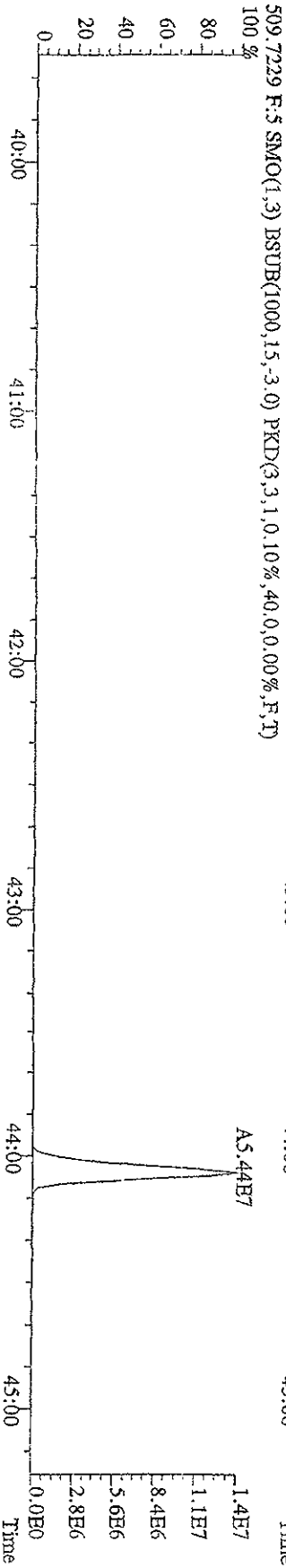
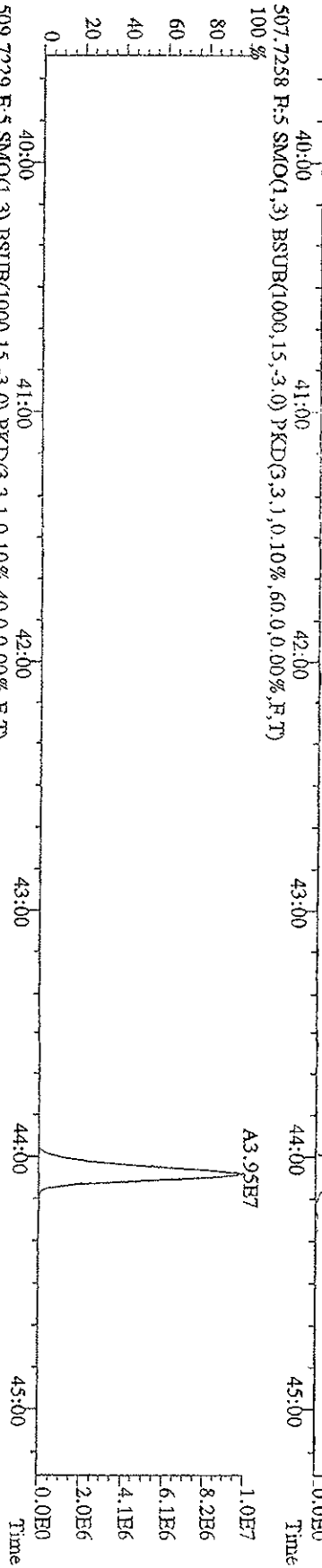
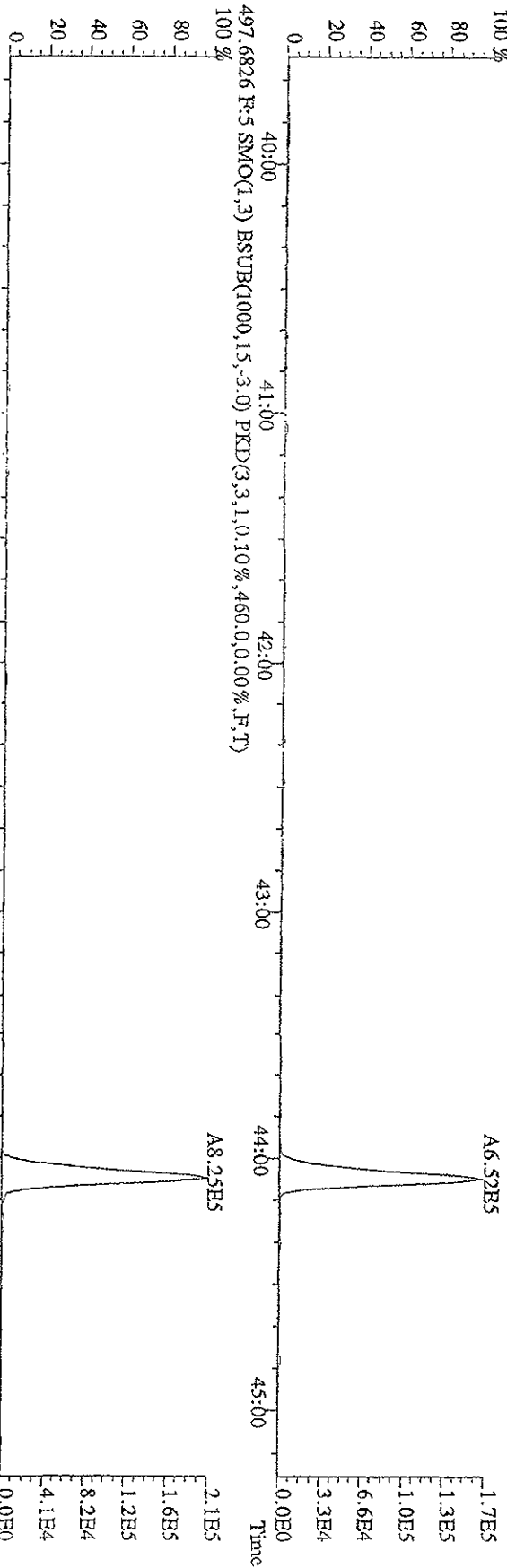
473.7648 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,44.0,0.00%,F,T)  
100% A5.98B7



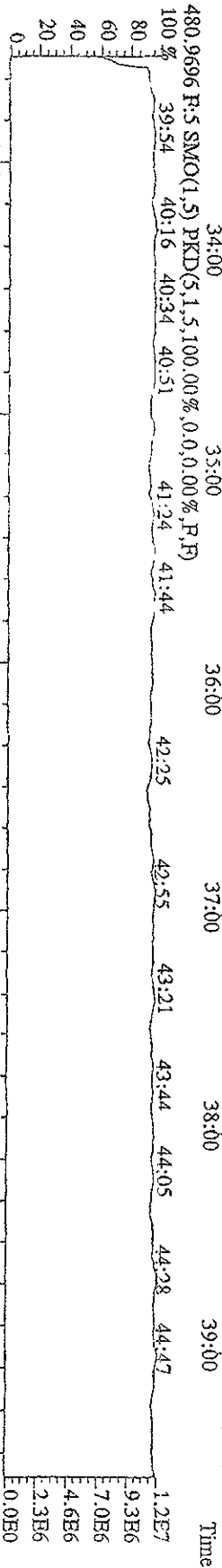
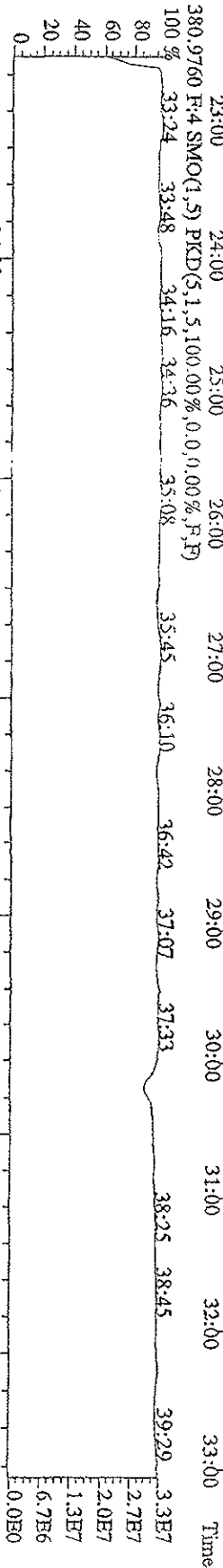
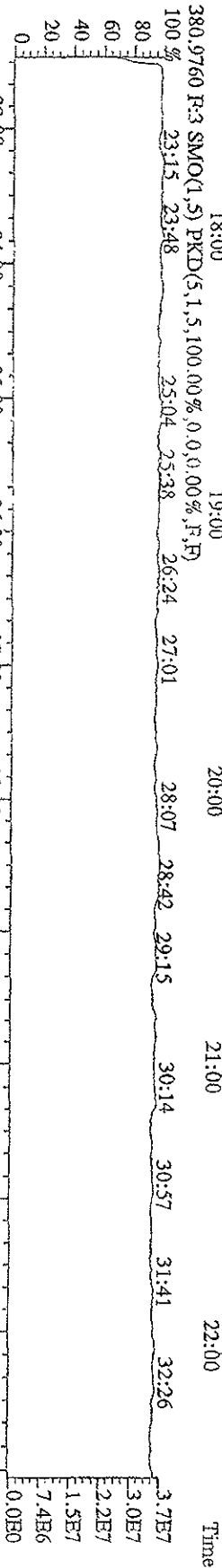
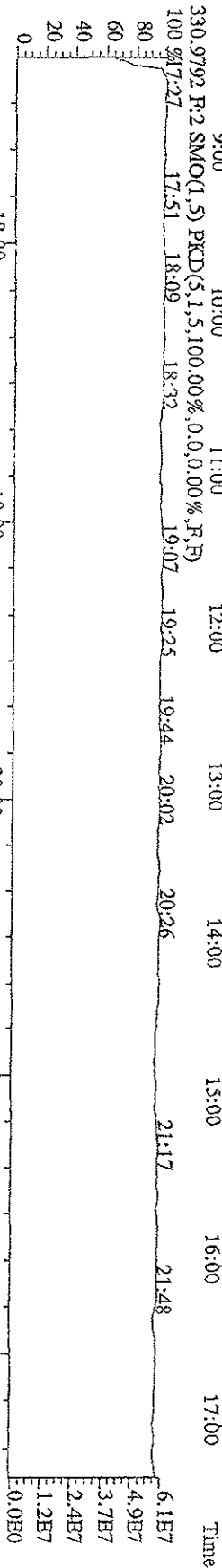
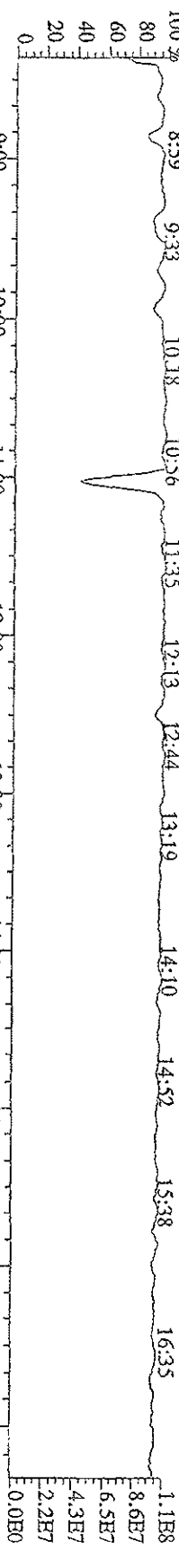
475.7619 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,40.0,0.00%,F,T)  
100% A7.51B7



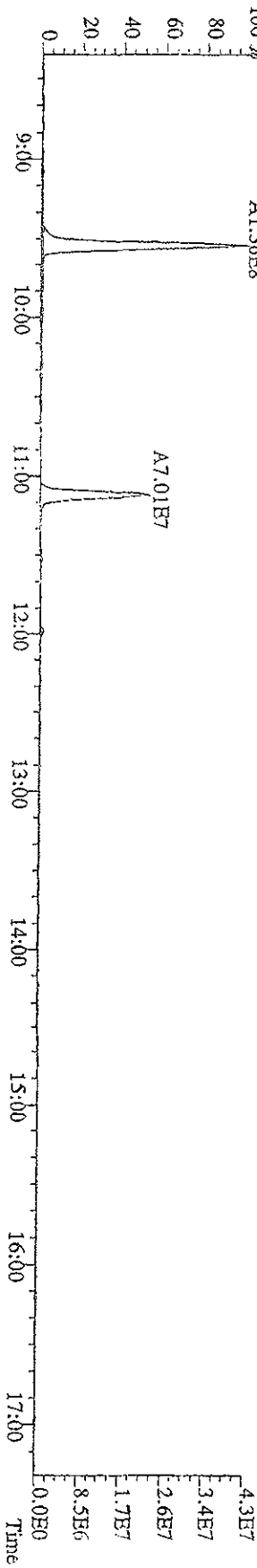
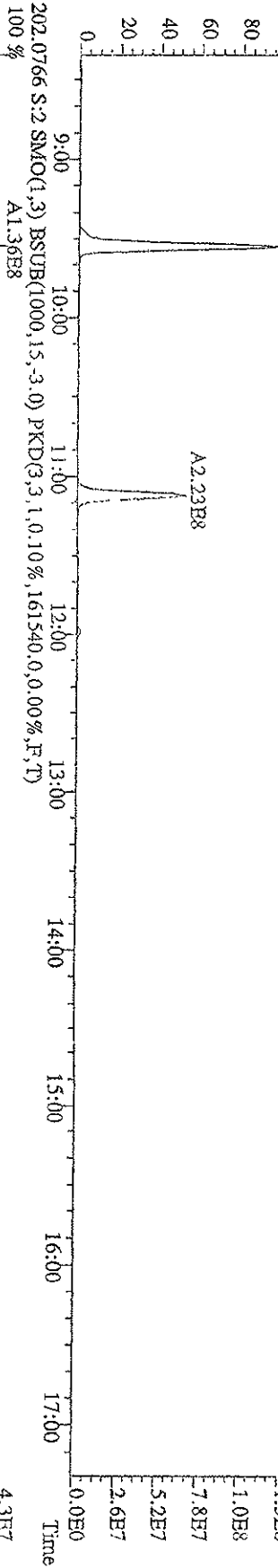
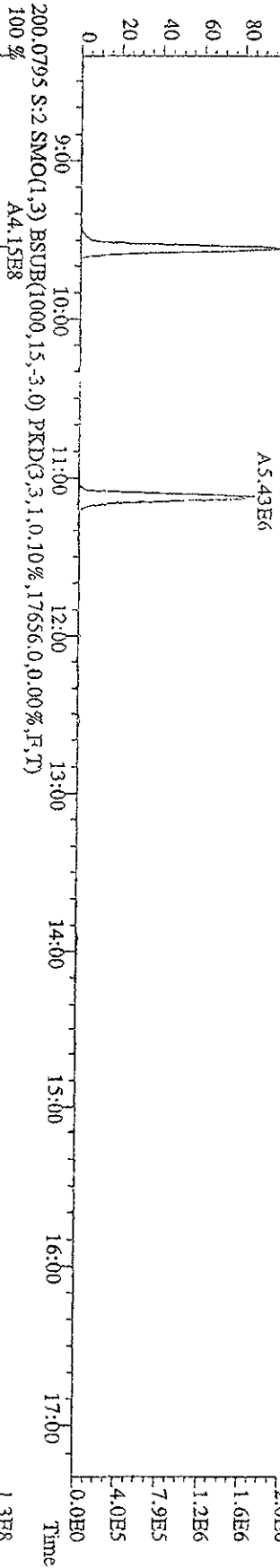
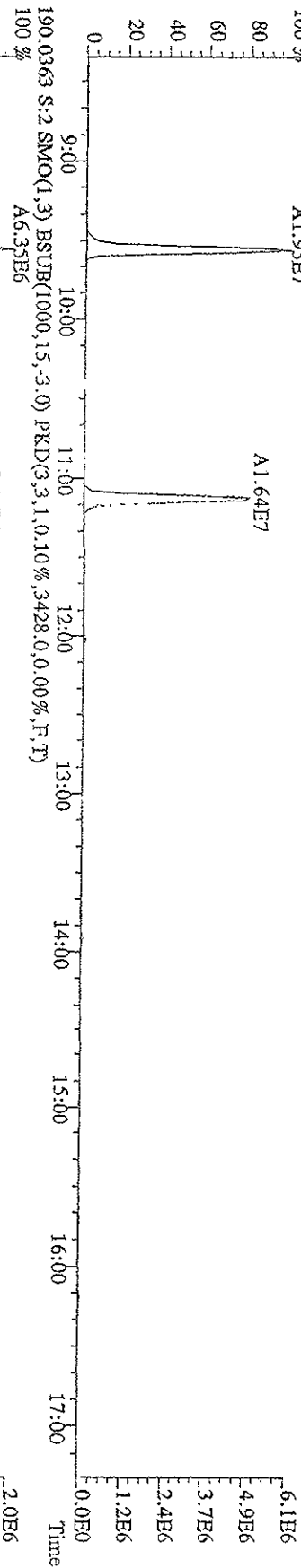
File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 495.6856 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,420.0,0.00%,F,T)



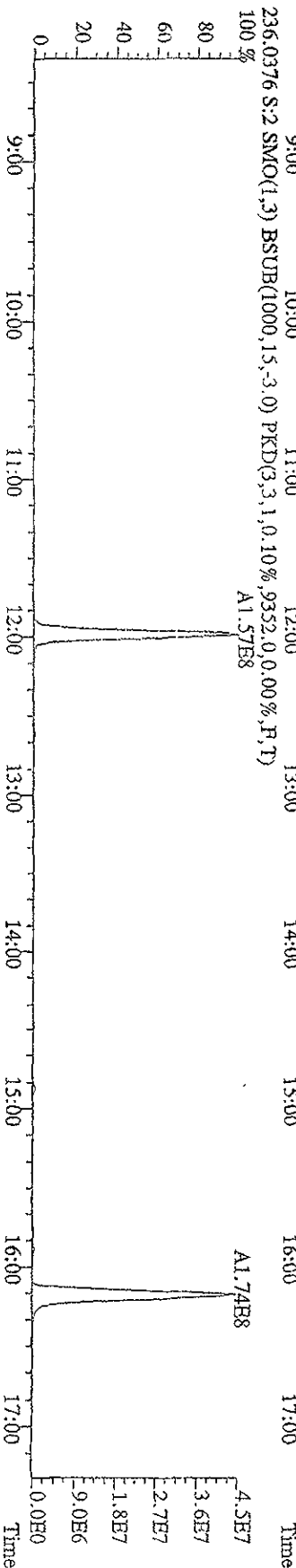
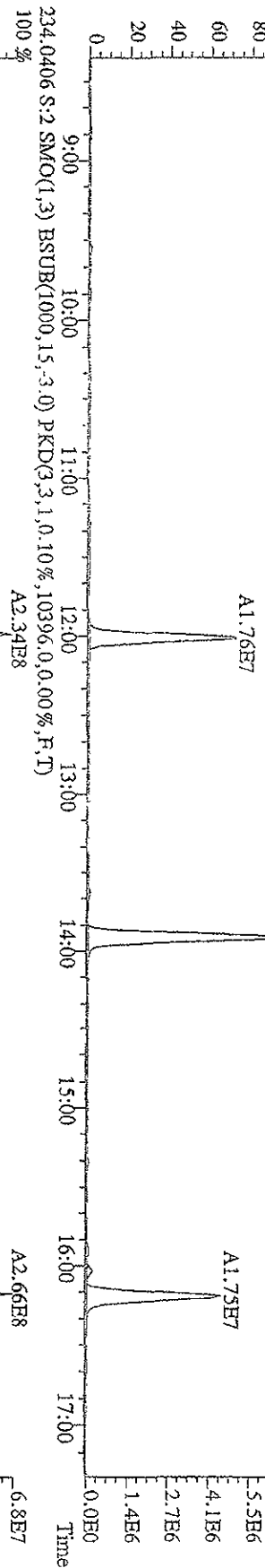
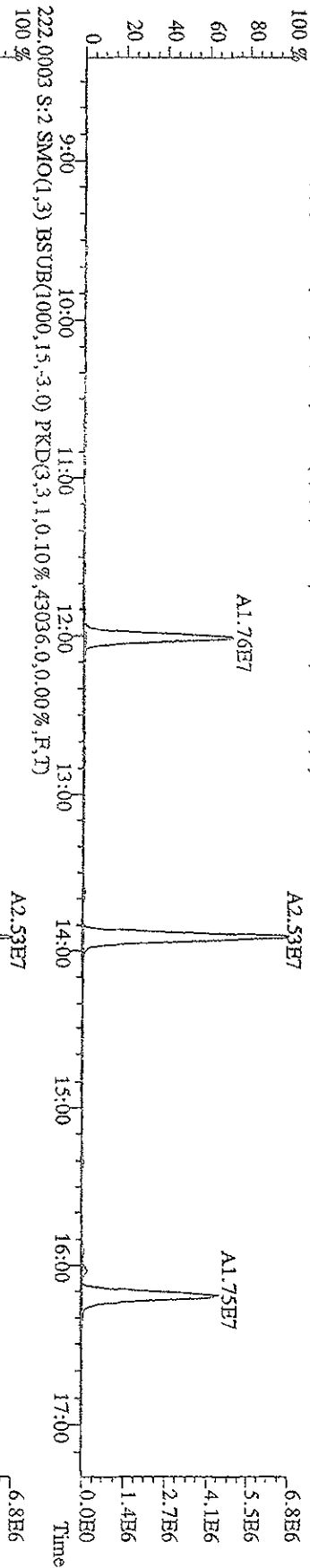
File:15TA09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SFR Autospec-UltimaE  
 Sample#1 Text:STR0115 :CSI 09DXN014 Exp:209DB5  
 218.9856 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)  
 8:59 9:33 10:18 10:56 11:35 12:13 12:44 13:19 14:10 14:52 15:38 16:35



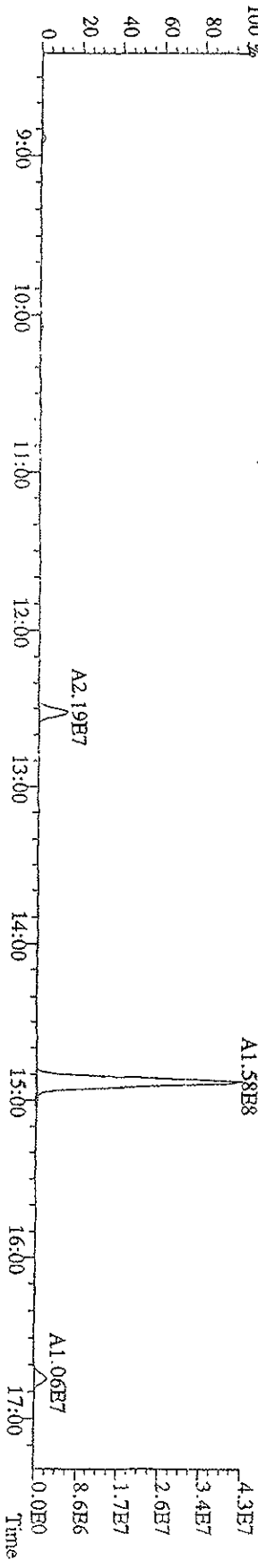
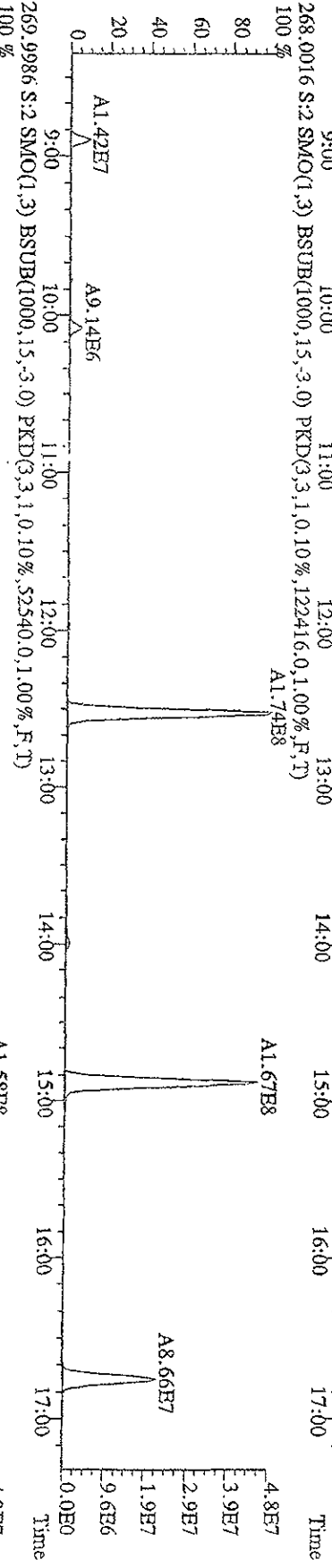
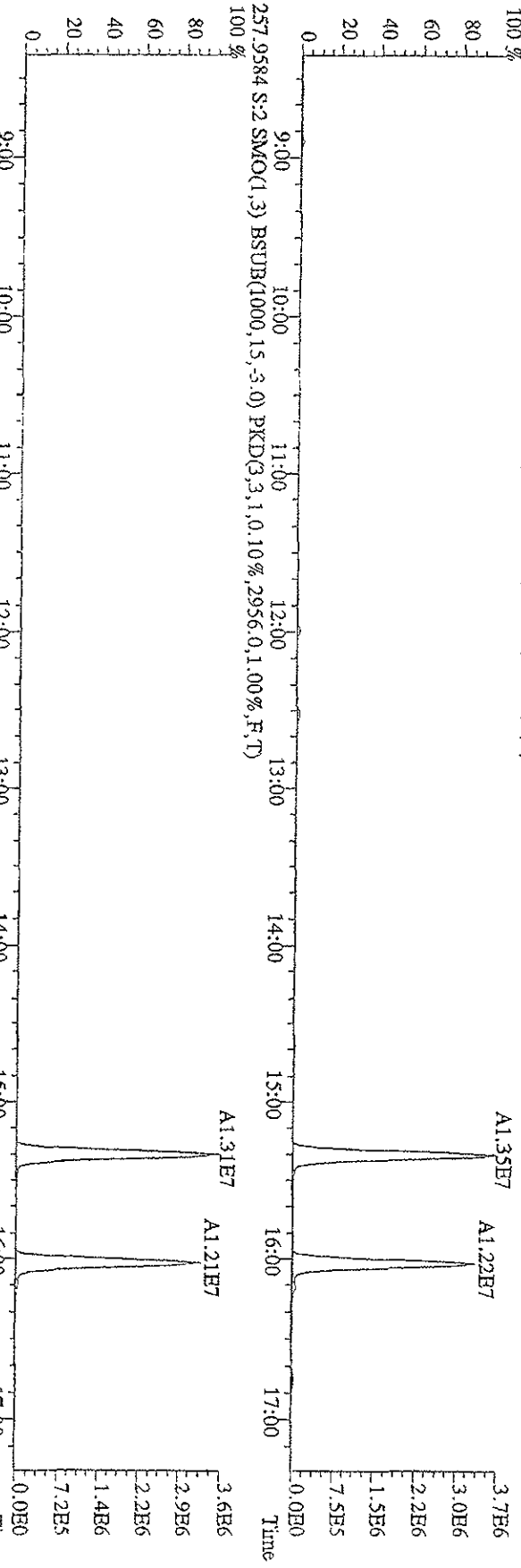
File:151A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimat  
 Sample#2 Tex:ST0115A :CS2 09DXN015 Exp:209DB5  
 188.0393 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,5748,0.0,00%,F,T)  
 100 % A1.95E7



File:151A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EF+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 222.0003 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,43036,0,0,00%,F,T)

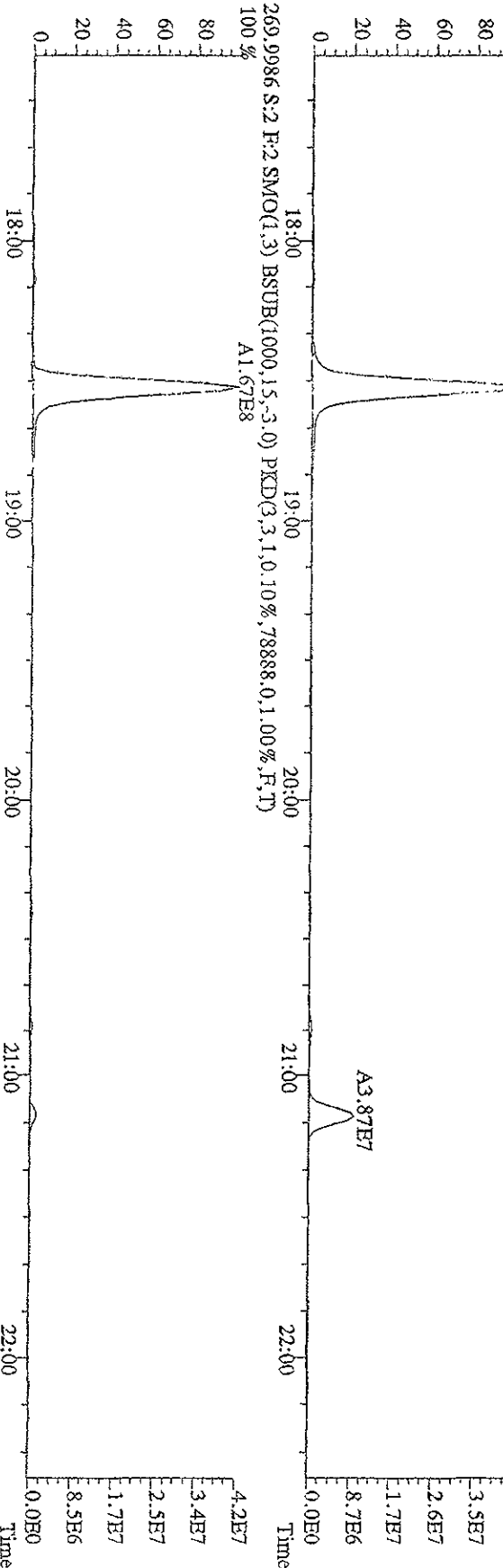
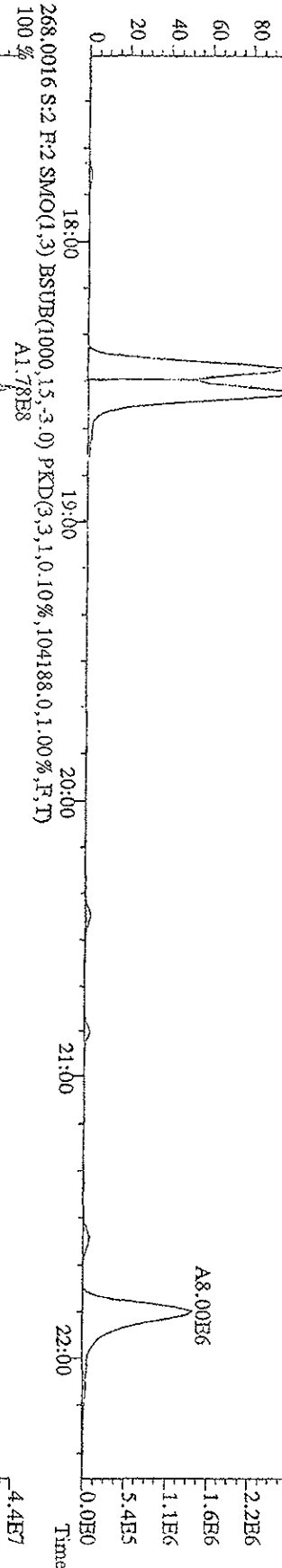
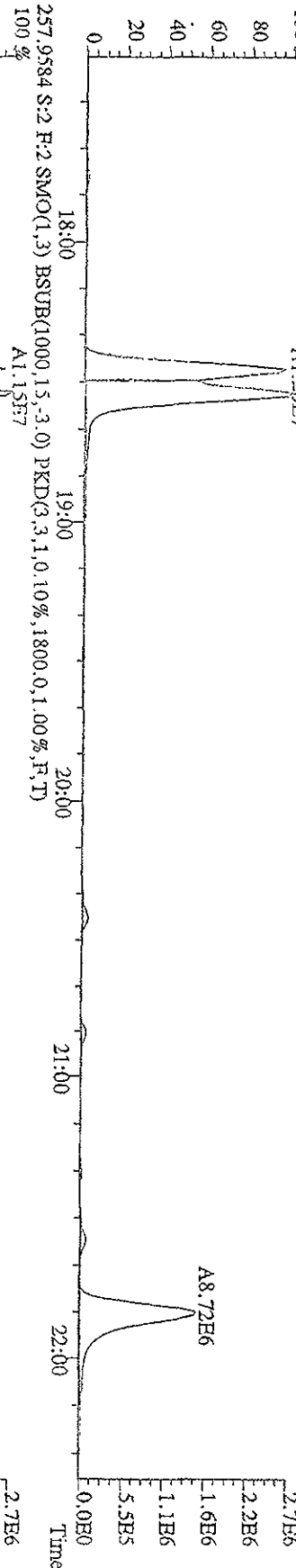


File:151A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A .C52.09DXN015 Exp:209DB5  
 257.9584 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2956,0,1,00%,F,T)  
 100%

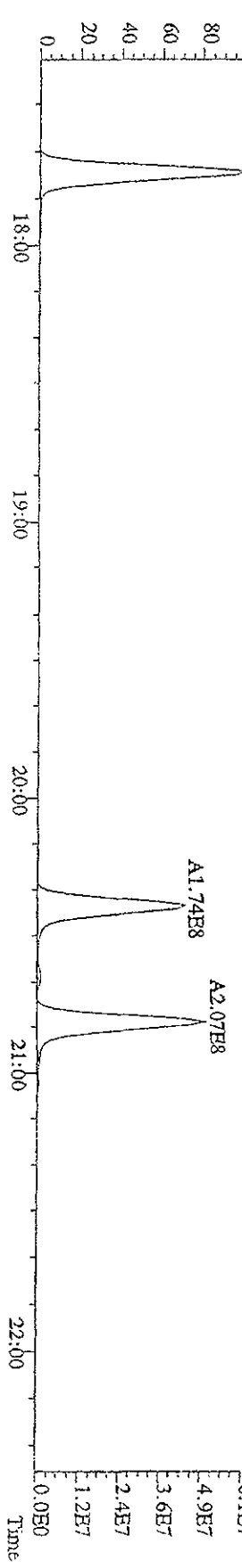
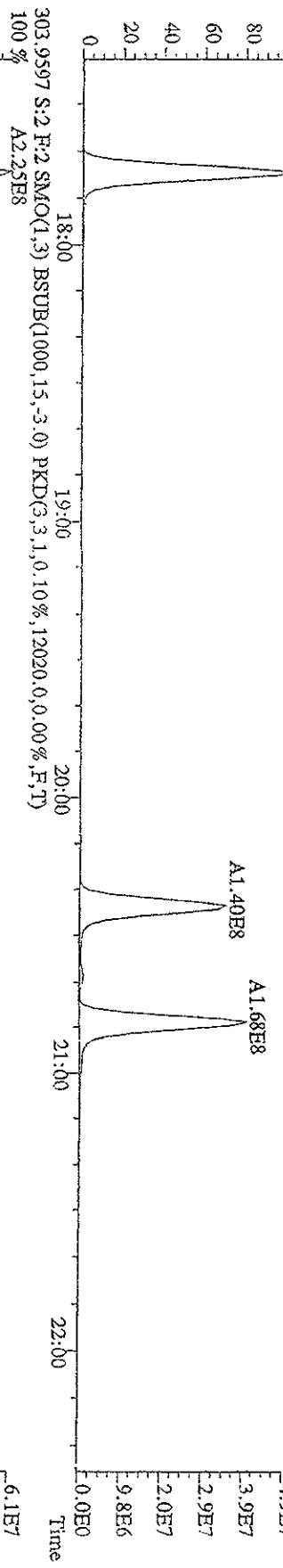
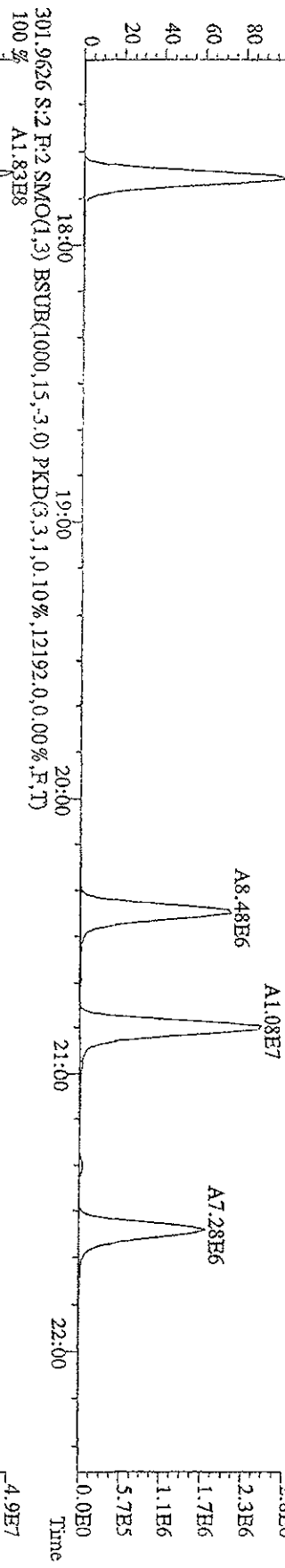
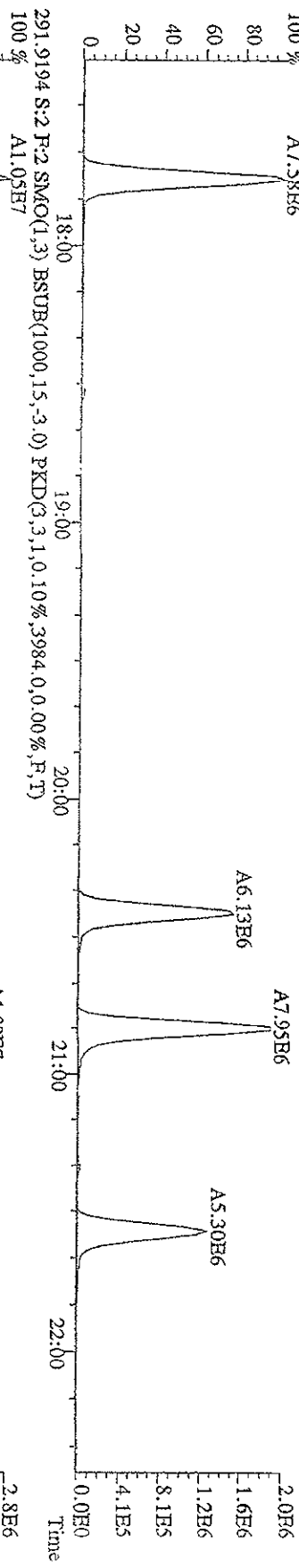




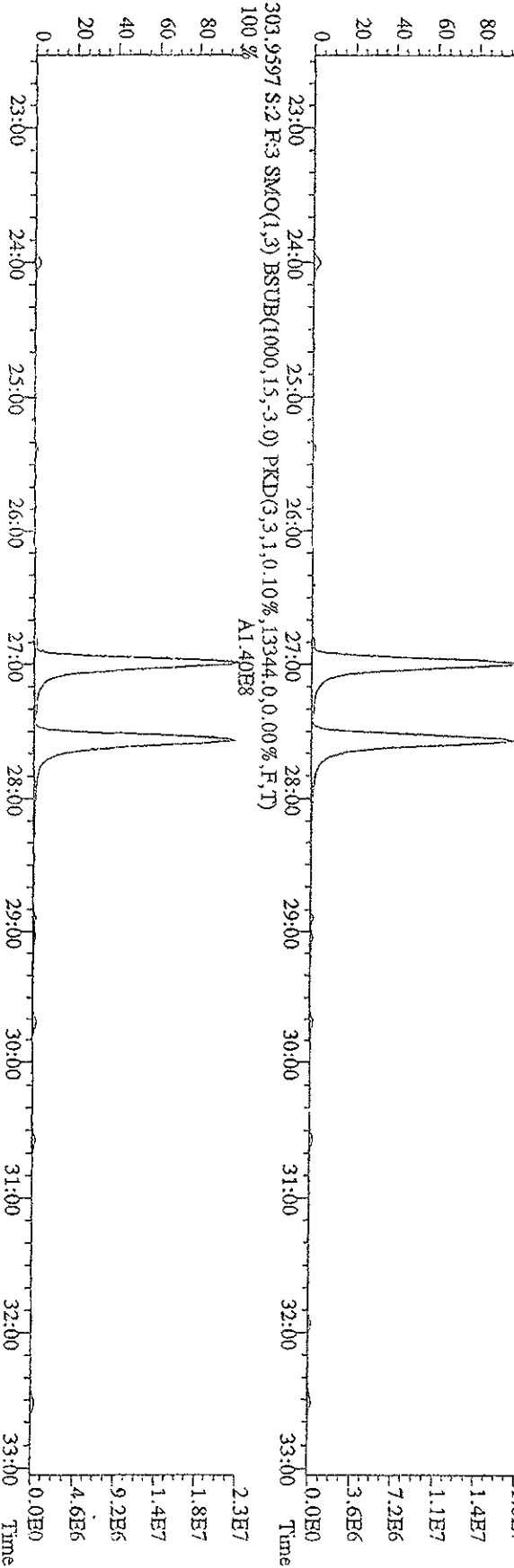
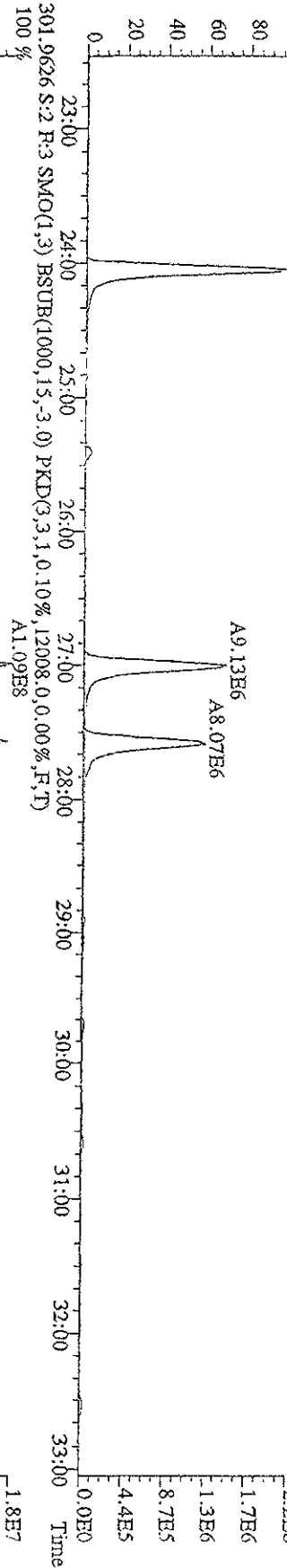
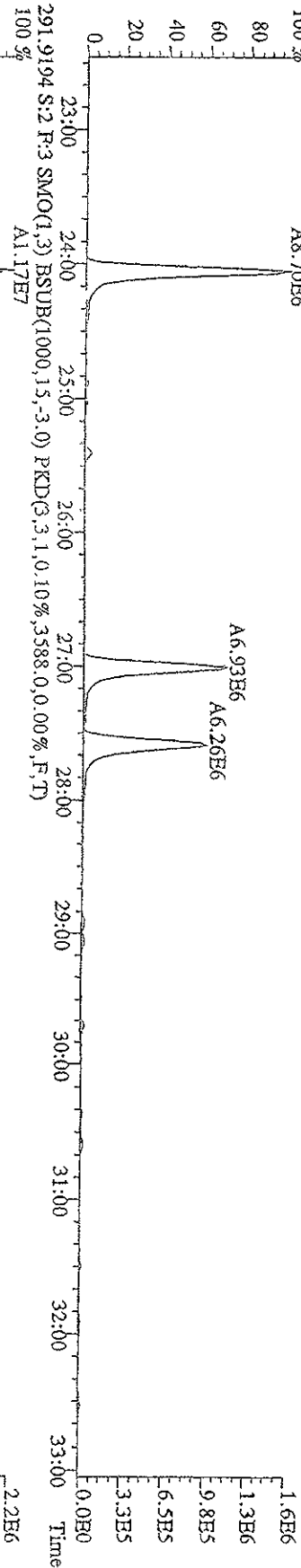
File: 151A09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltraM  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 257.9613 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1800,0,1.00%,F,T)  
 100% A1.20E7



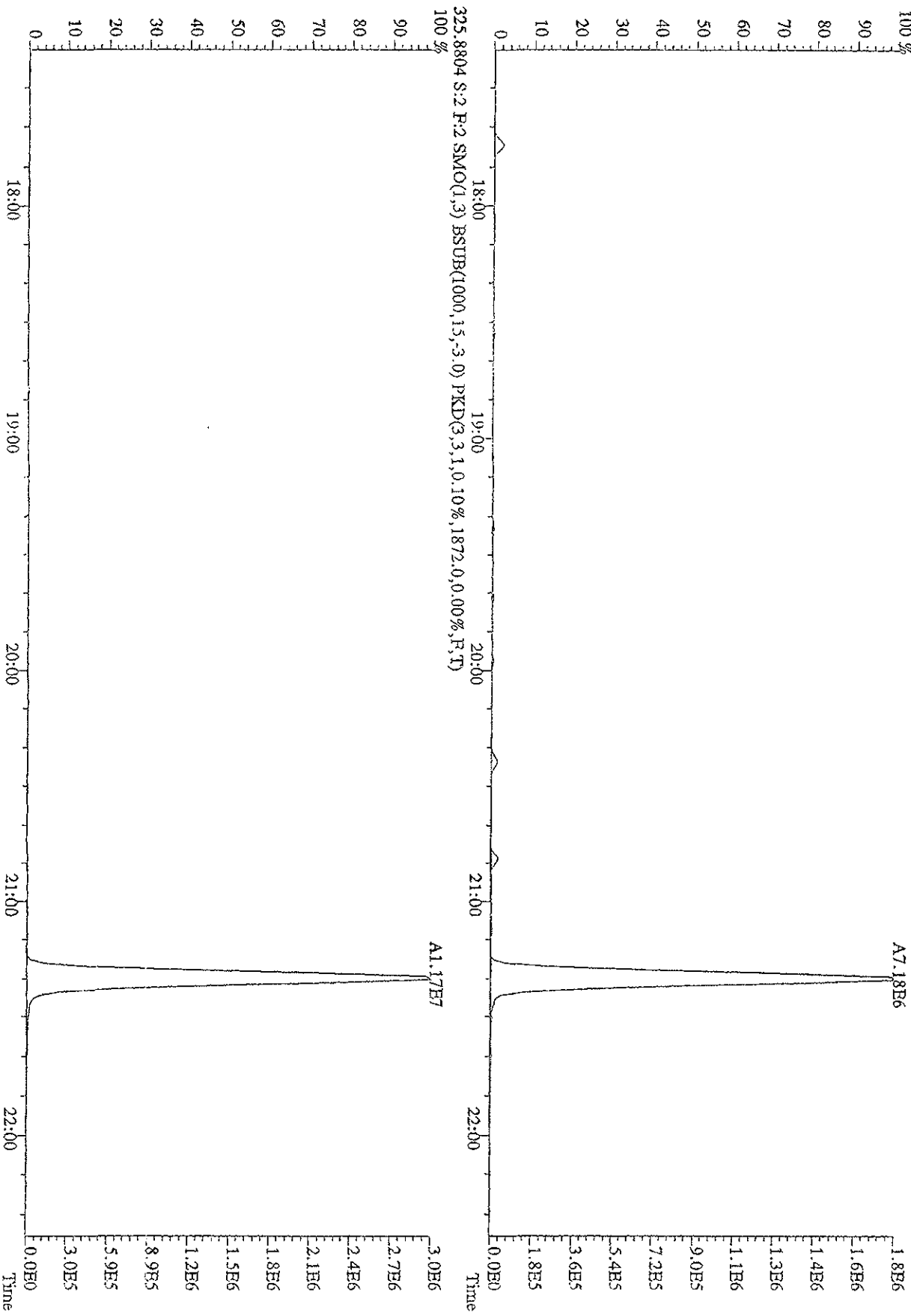
Title: 15/A09D9D5 #1-371 Acq: 15-JAN-2009 21:16:36 GC HI+ Voltage: SFR Autospec-Ultimate  
 Sample#2 Text: ST0115A : CS2 09DXN015 Exp: 209DB5  
 289.9224 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,712.0,0.00%,F,T)



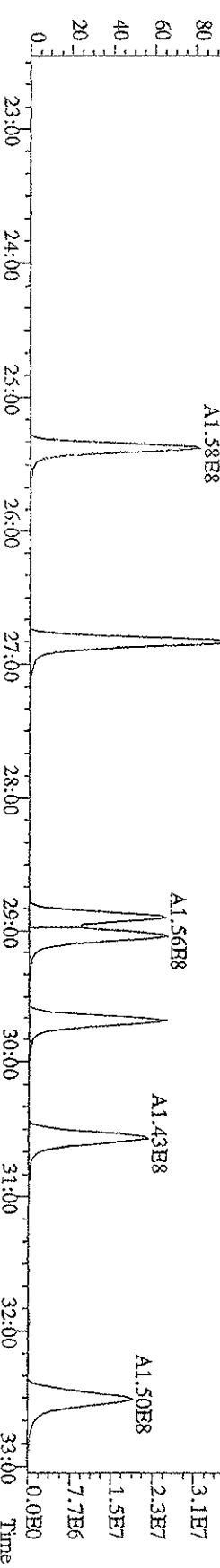
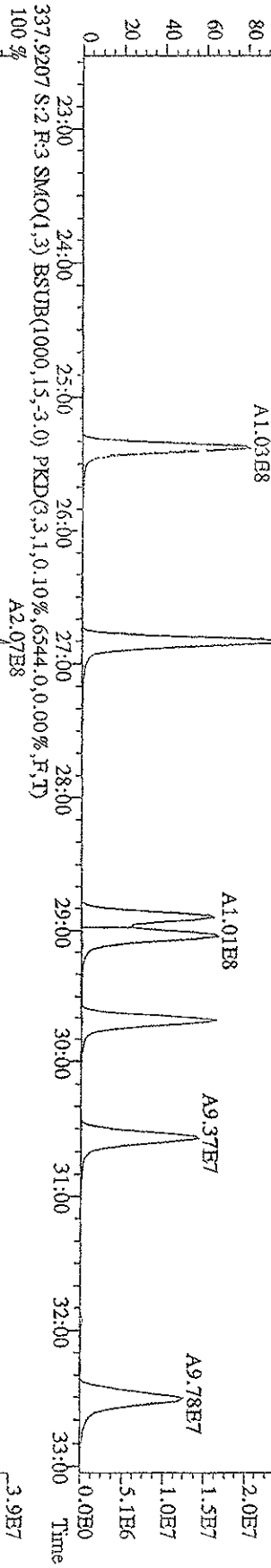
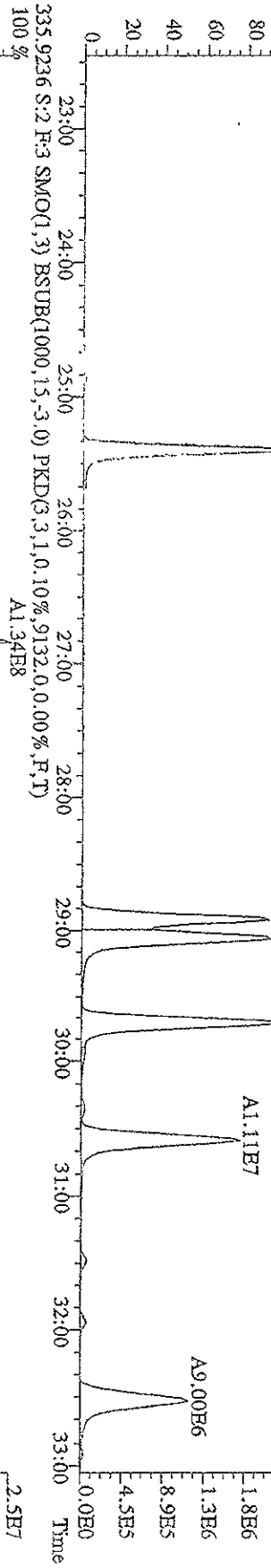
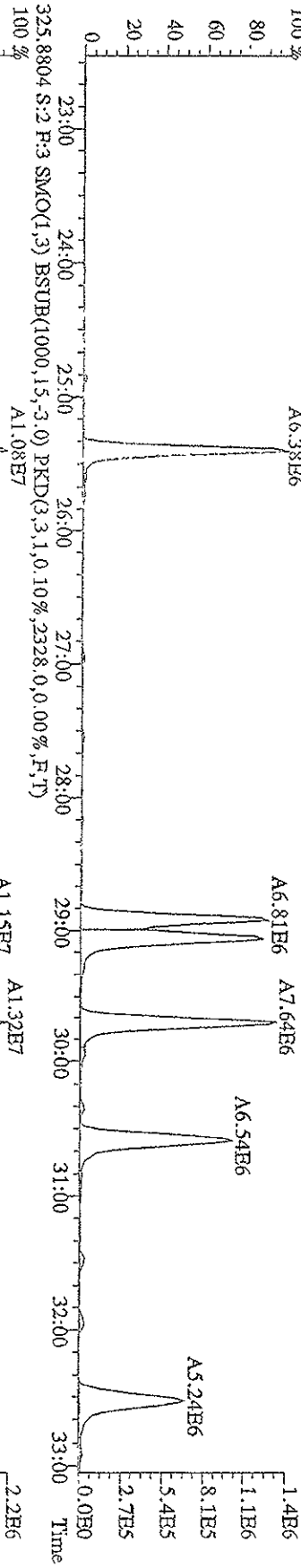
Title:15IA09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC BI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2.09DXN015 Exp:209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2360,0,0,00%,F,T)  
 100 % A8.70E6



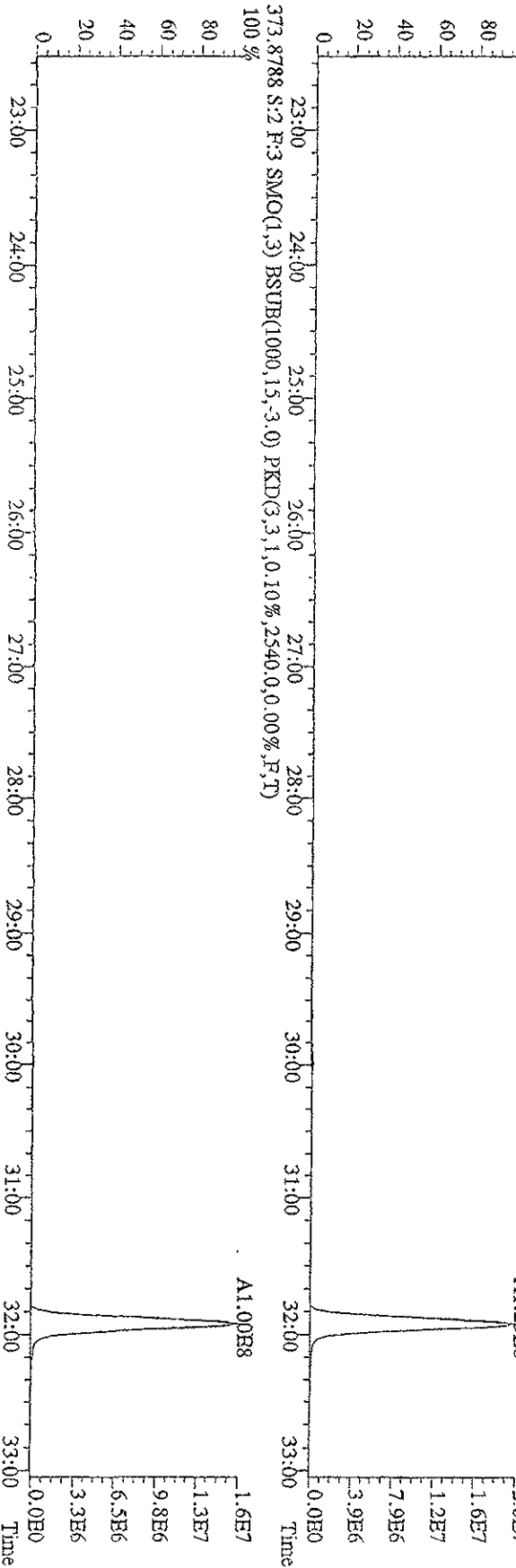
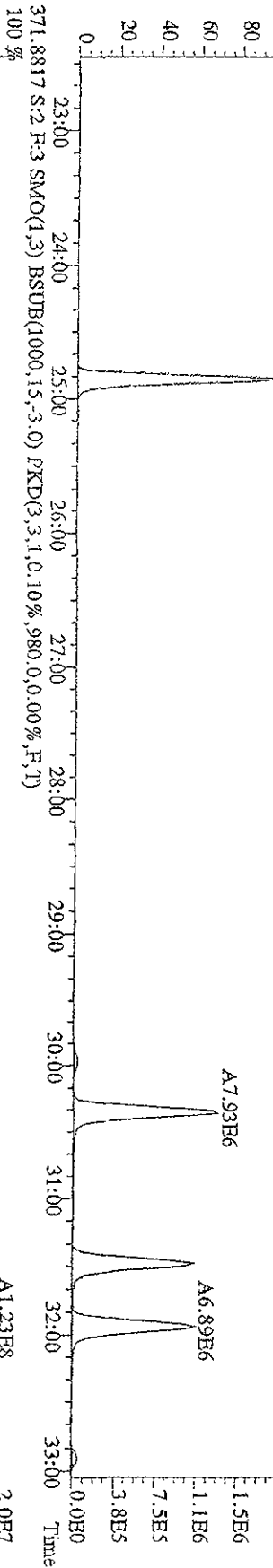
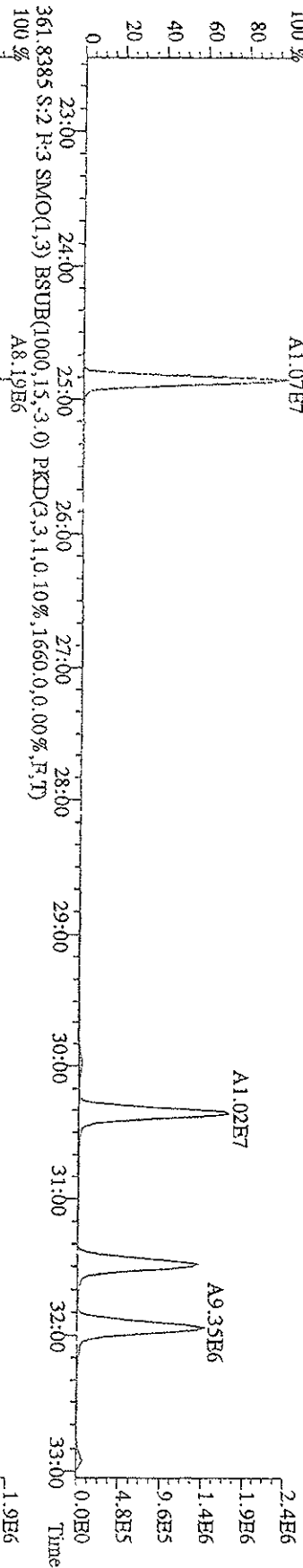
File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 323.8834 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2132,0,0,00%,F,T) 100%



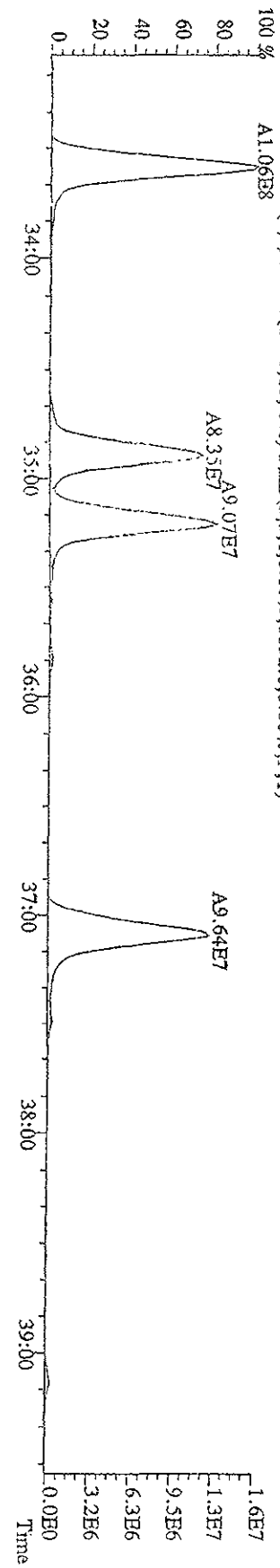
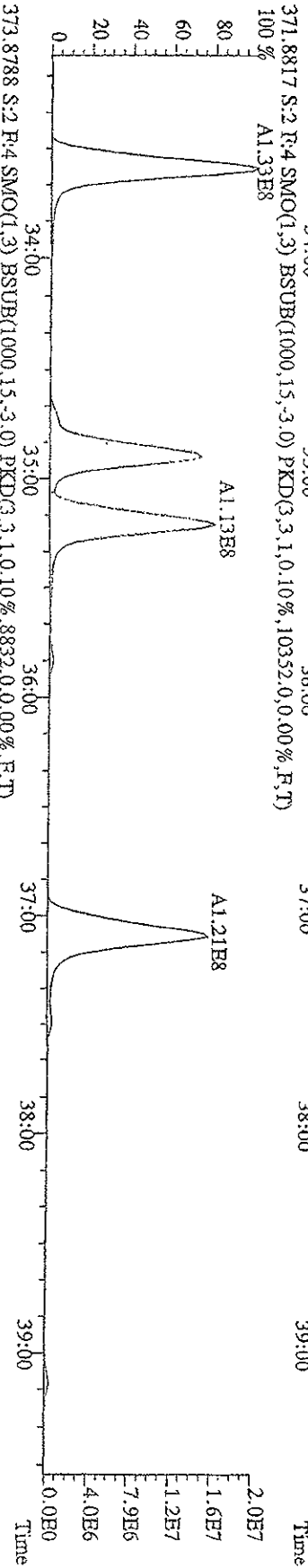
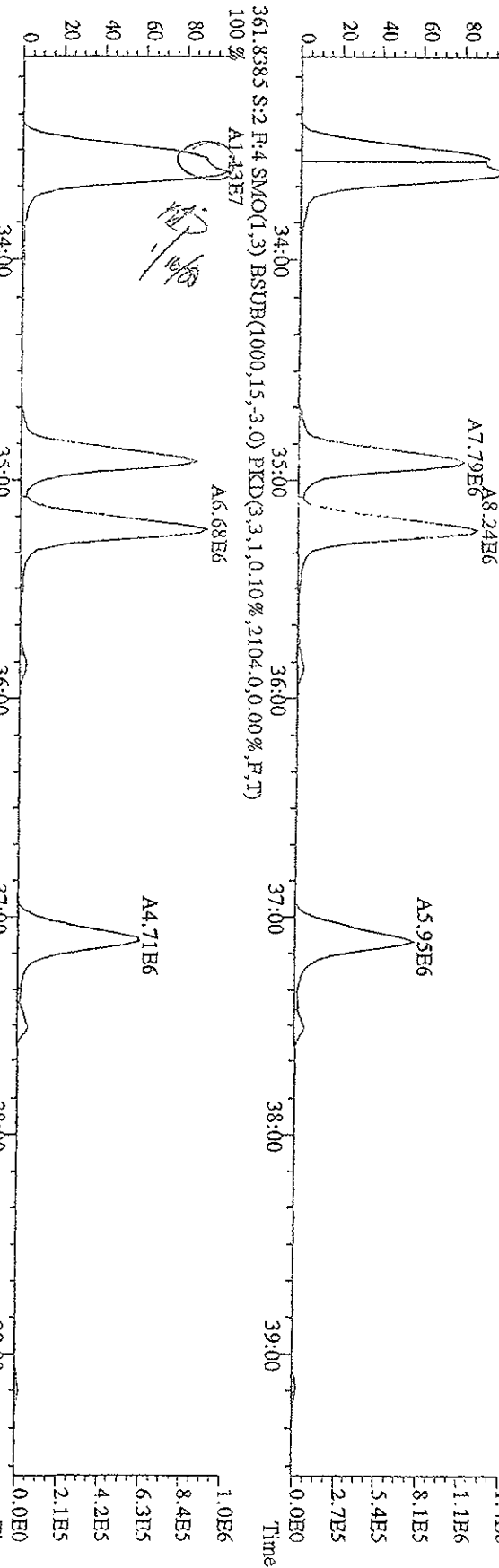
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage: SIR Autospec-UltimaB  
 Sample#2 Text: ST0115A : CSS2.09DXN015 Exp: 209DB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2328,0,0,00%,F,T)  
 100 %



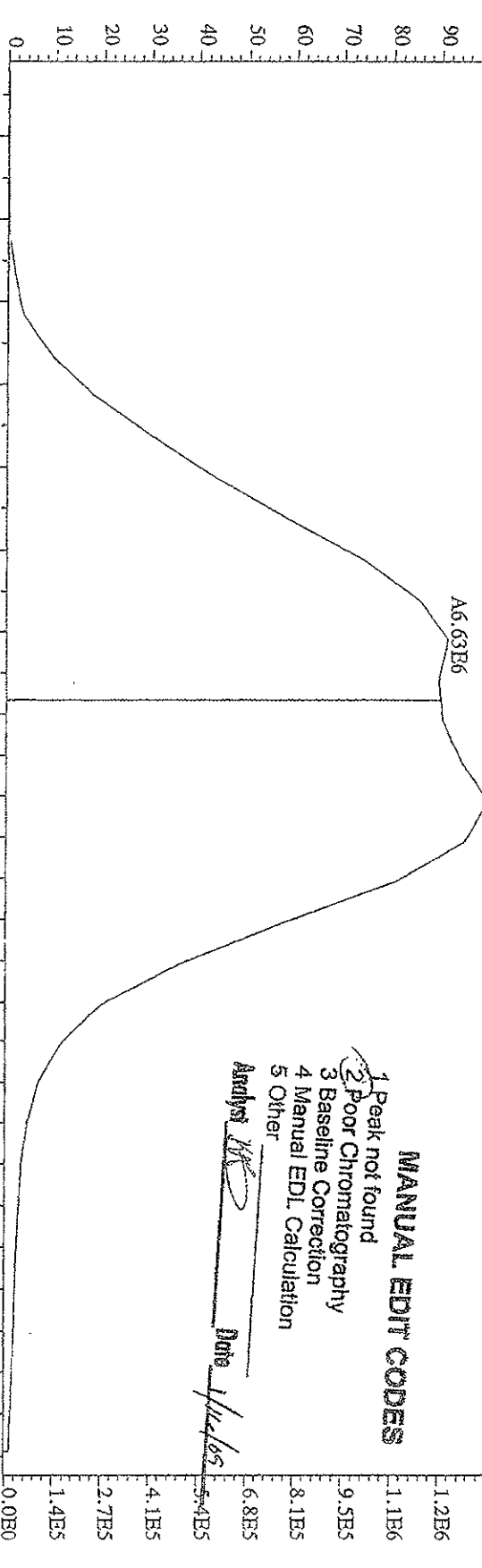
File:151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC BI+ Voltage SIR Autospec-Ultimah  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359.8#15 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1556,0,0,00%,F,T)  
 100% A1.07E7



File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample# 2 Text: ST0115A : CS2 09DXN015 Exp: 209DB5  
 359.8415 S: 2 R: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2520,0,0,00%,F,T)  
 100% A8.65E6



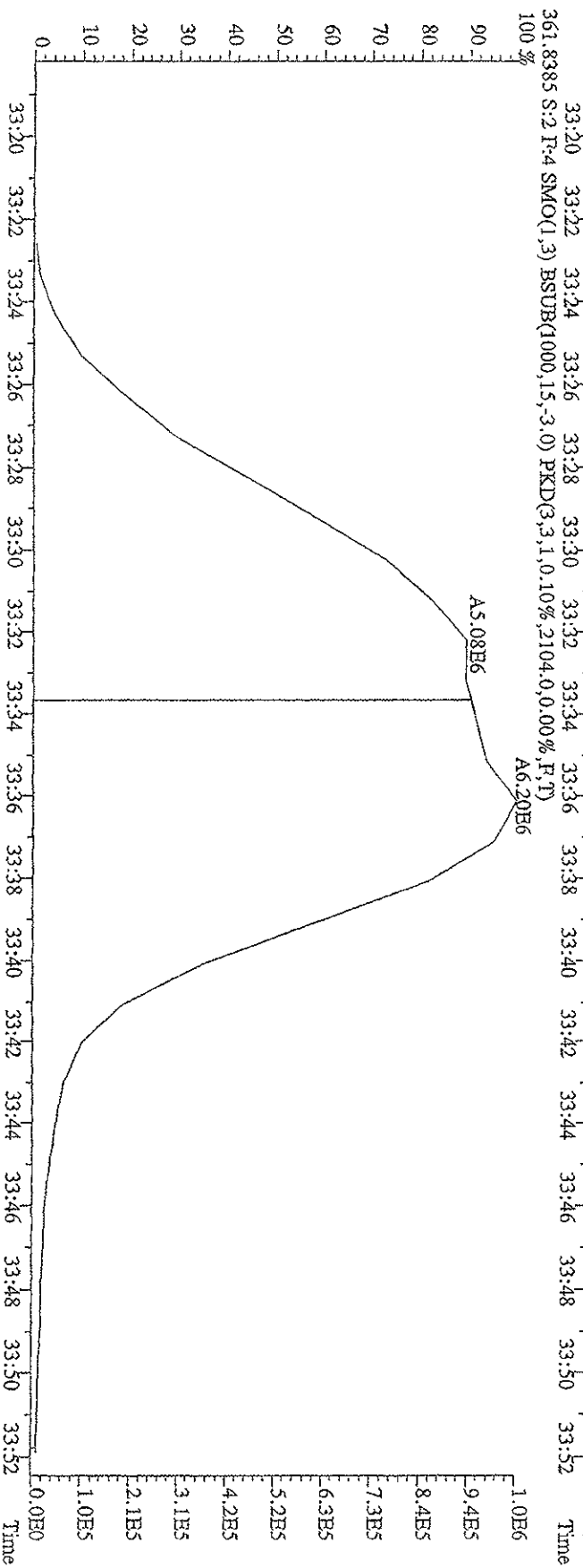
File:151A09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UHmanB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2520,0,0,00%,F,T)  
 100 %



**MANUAL EDIT CODES**

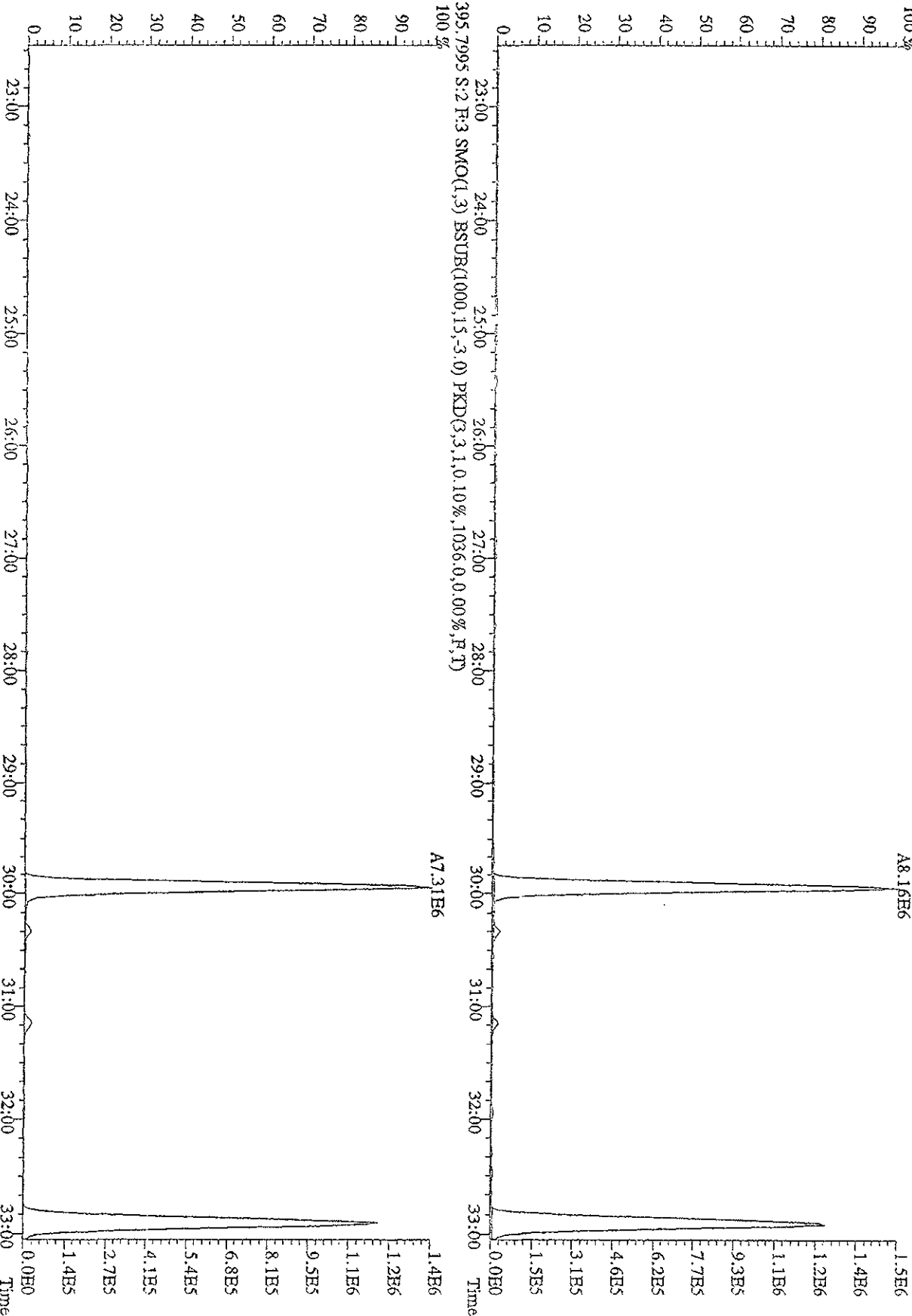
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst ME Date 1/14/05

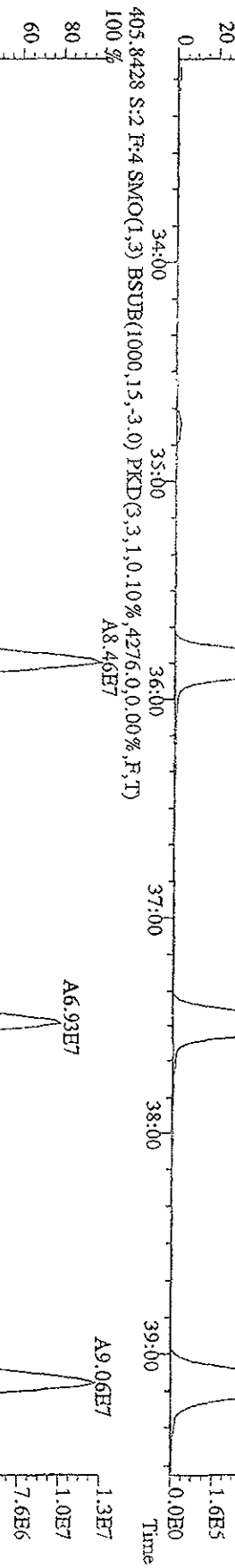
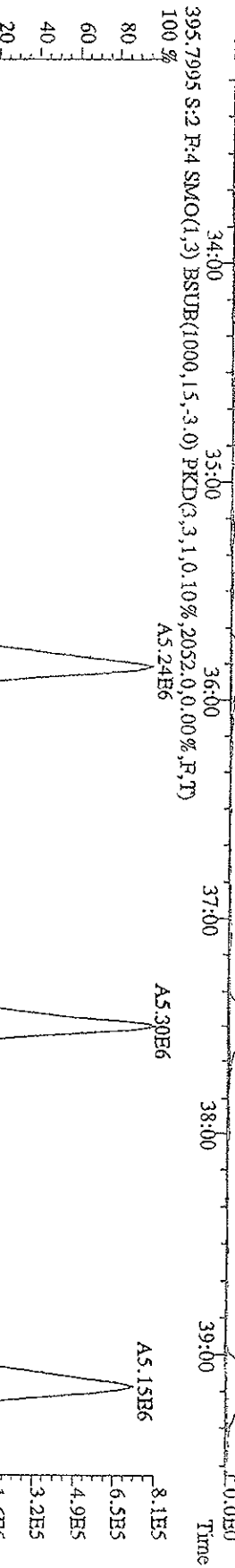
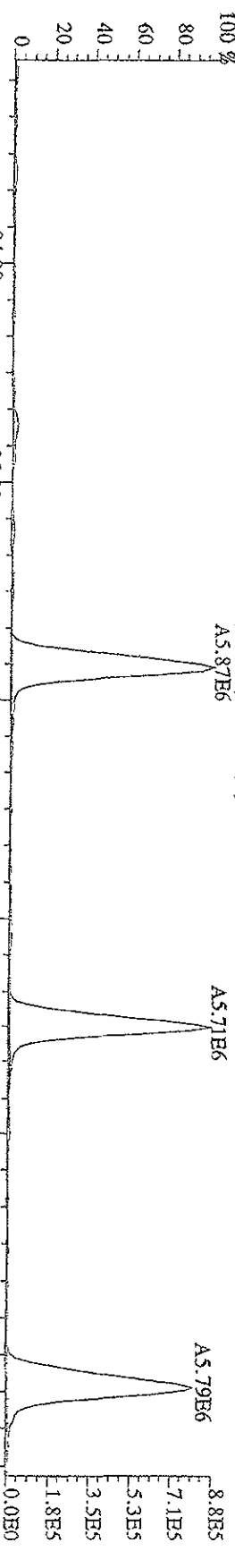




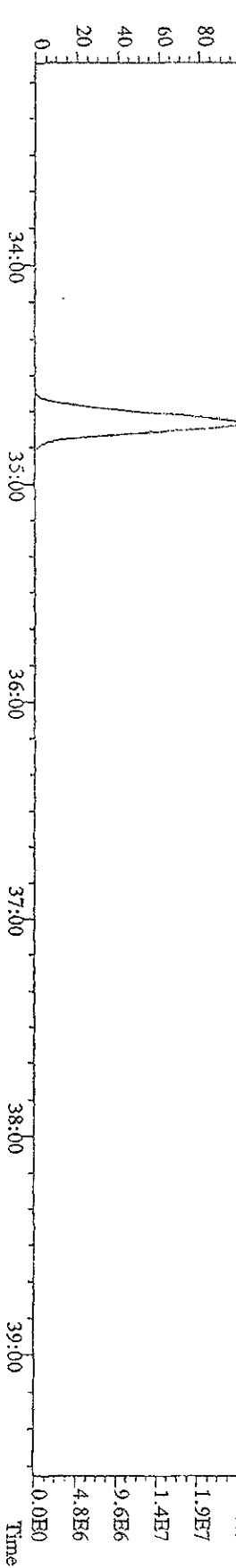
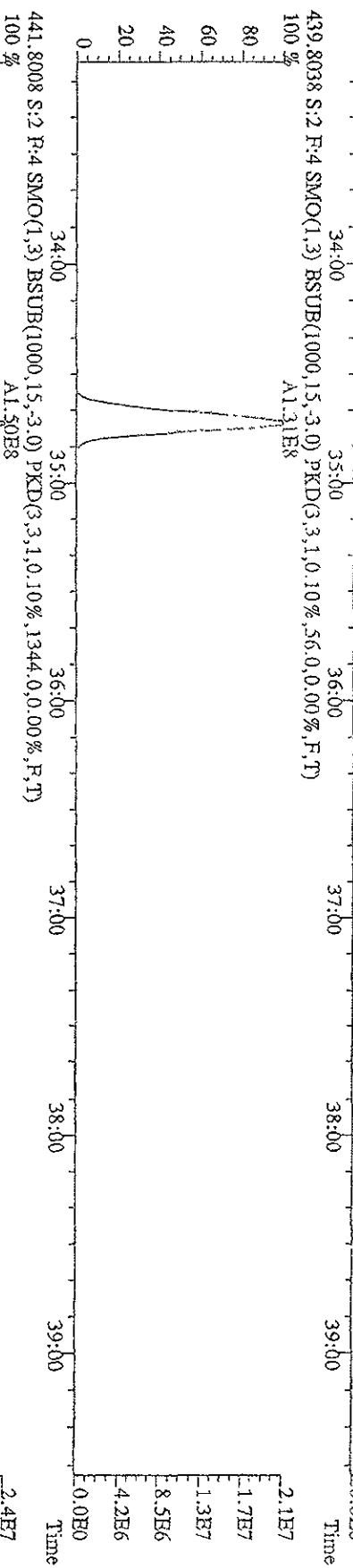
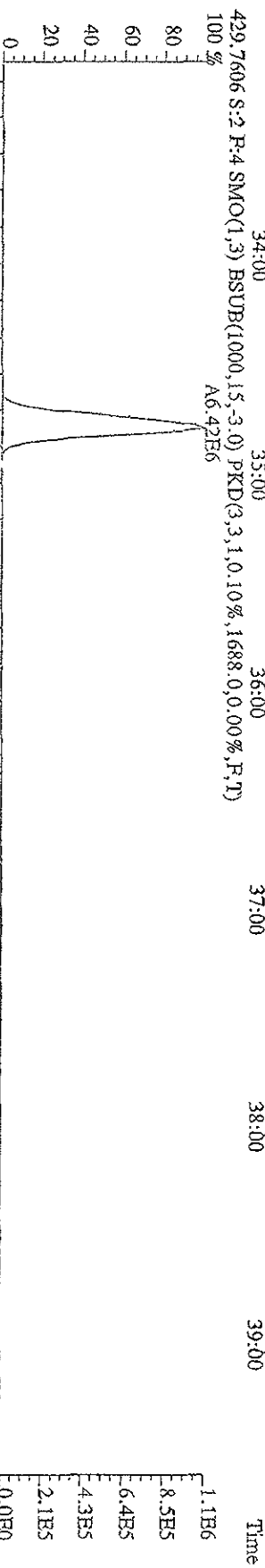
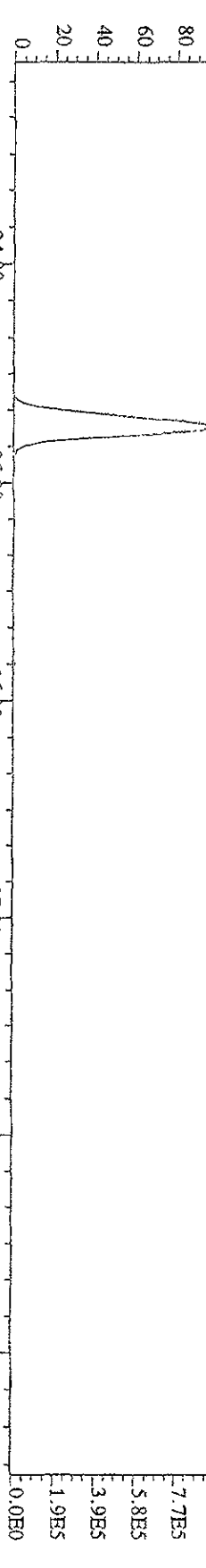
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SHR Autospec-Ultimate  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 395.8025 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4140,0,0,00%,F,T)  
 100%



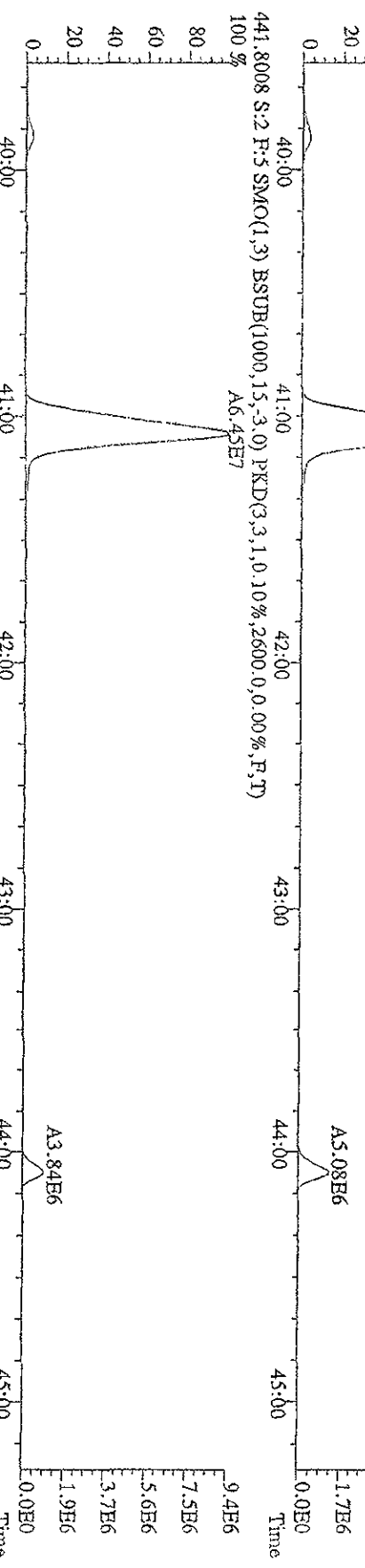
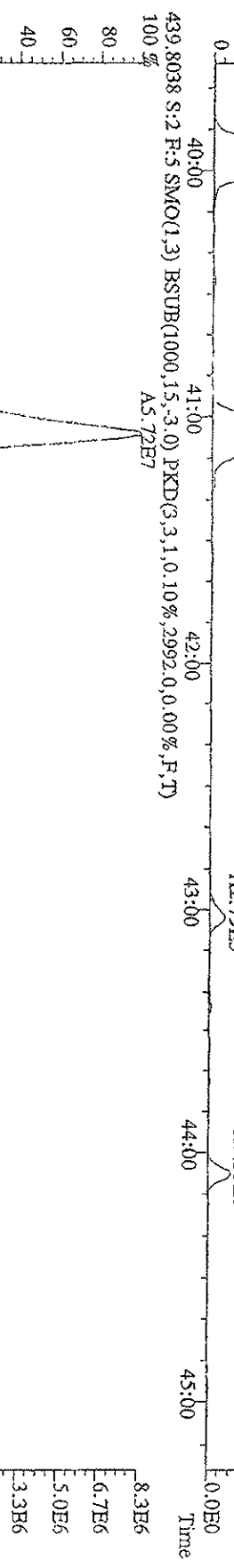
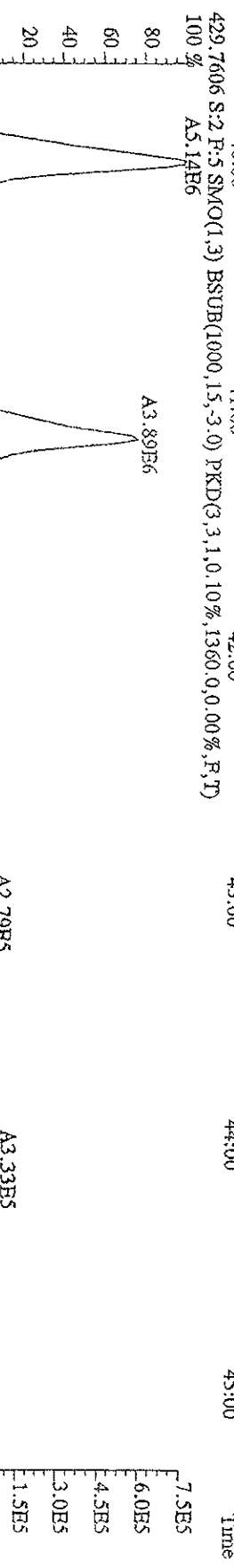
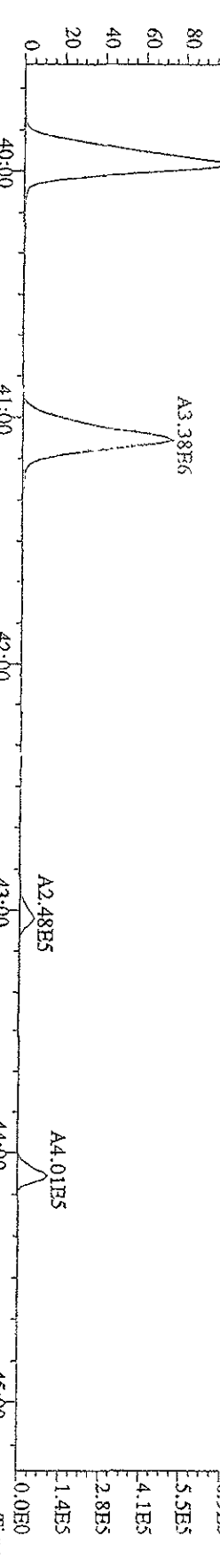
File:151A09DD9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 395.7995 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4600,0,0,00%,F,T)  
 100 % A5.87E6



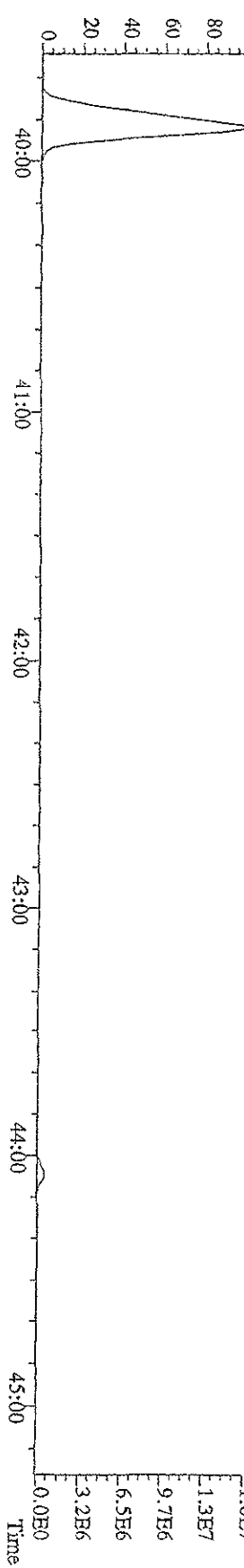
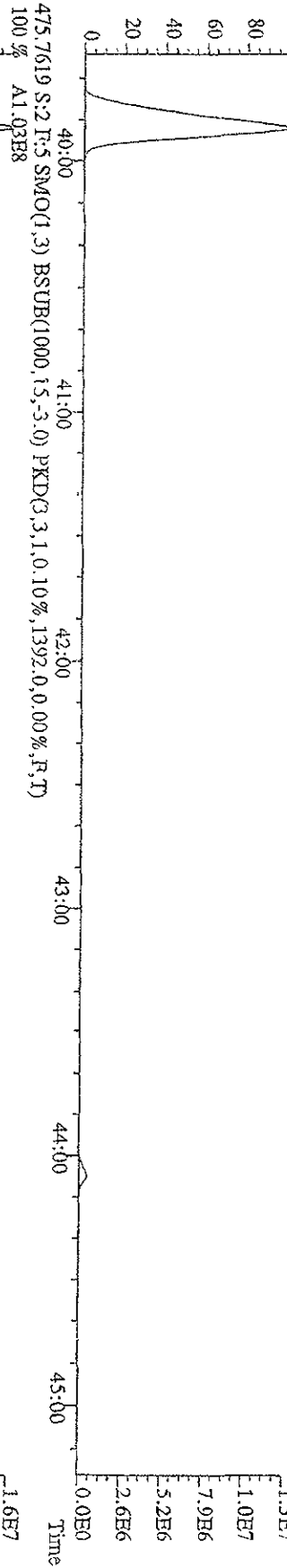
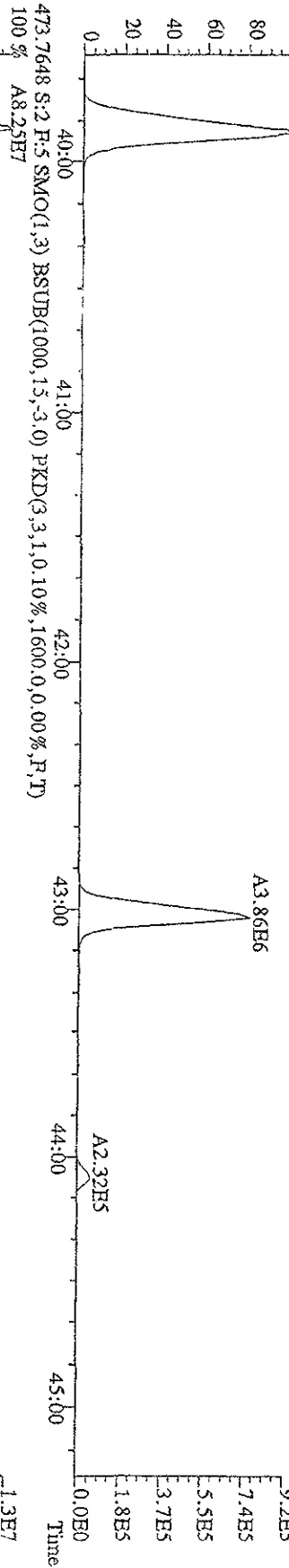
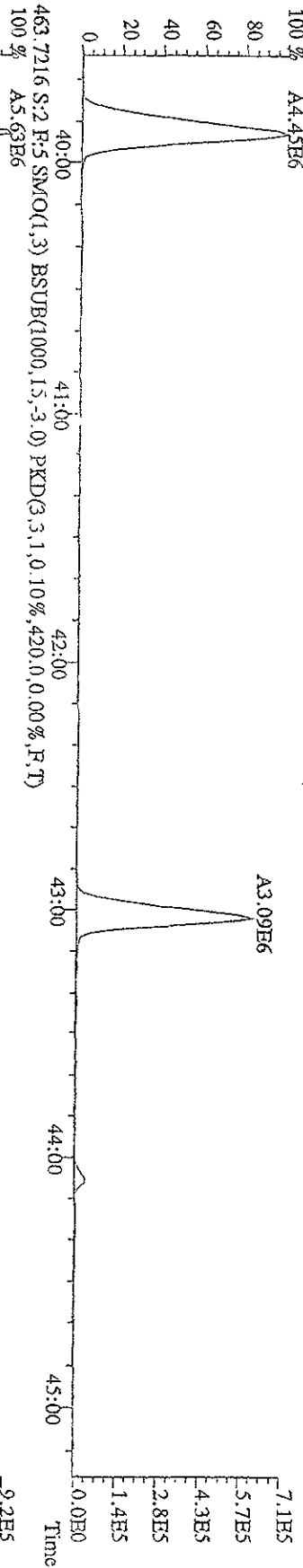
File:15JA09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-UltimaB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 427.7635 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,316,0,0,00%,F,T)  
 100% A5.83E6



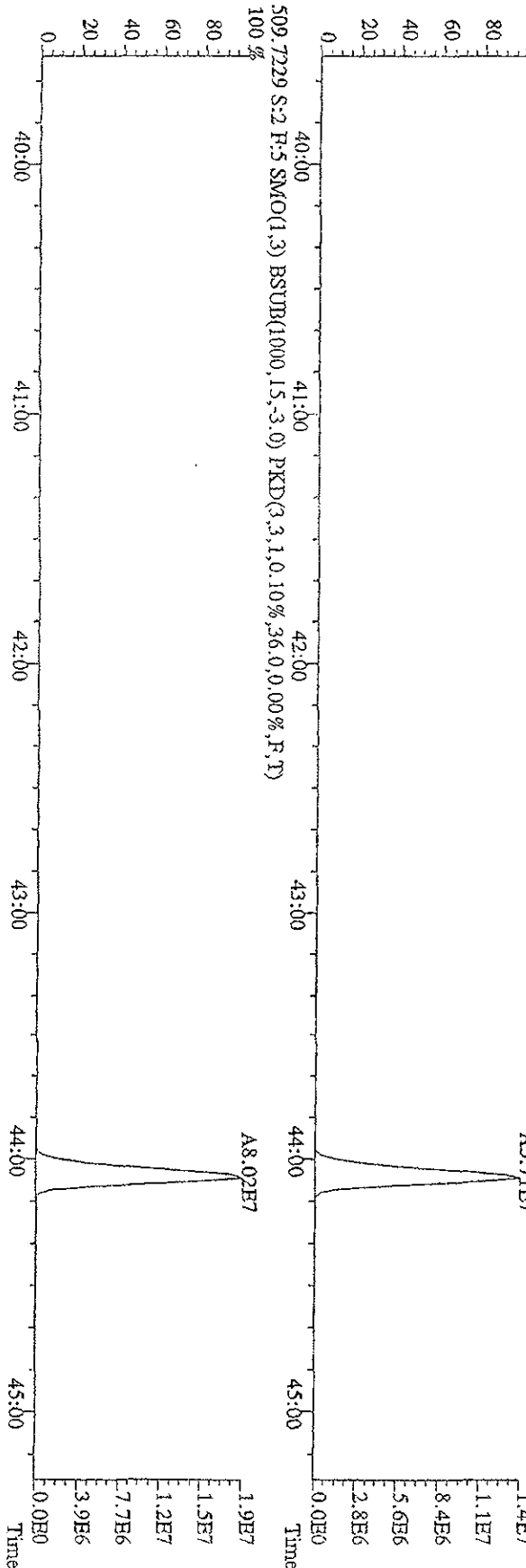
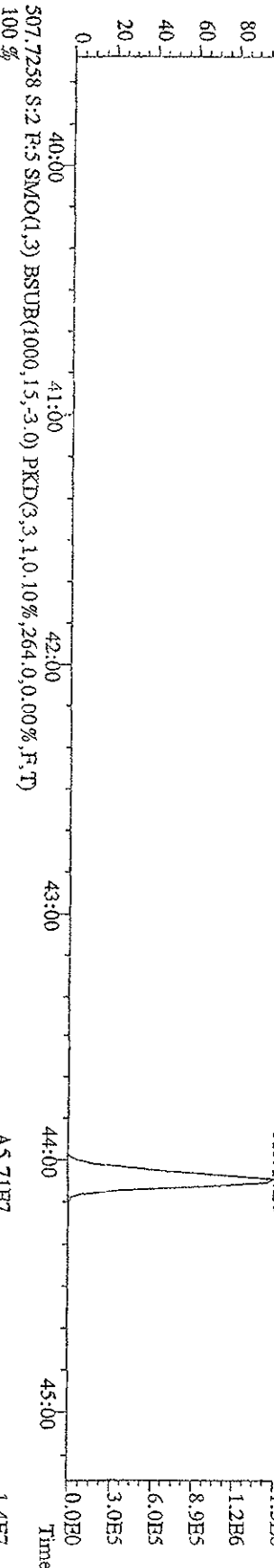
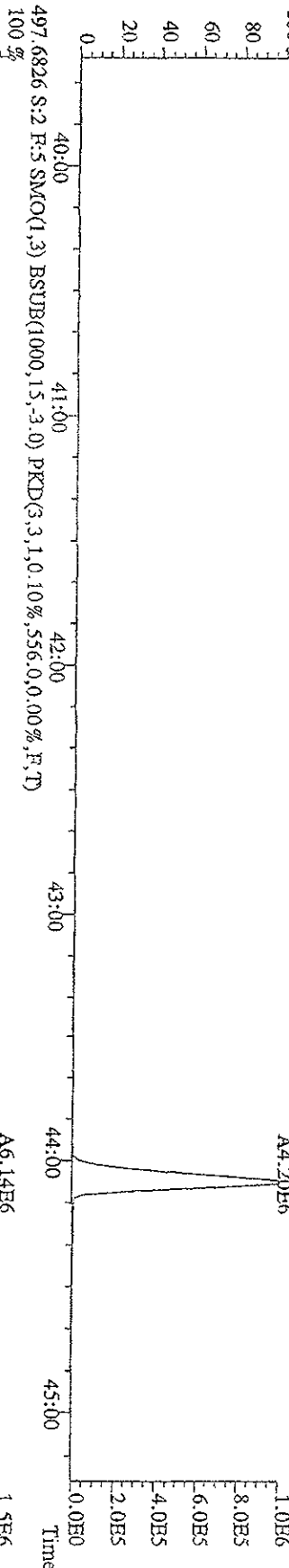
File: 15IA09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 427.7635 S:2 F:5 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1.0,10%,592.0,0.00%,F,T)  
 100% A4.58E6



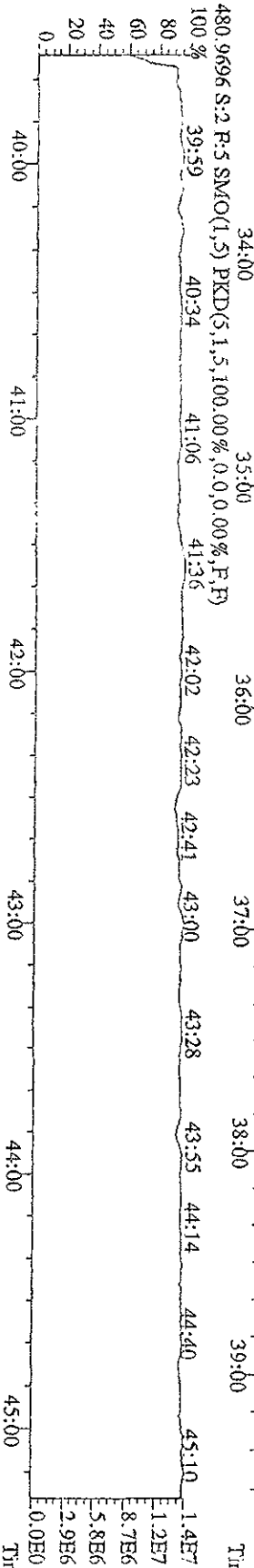
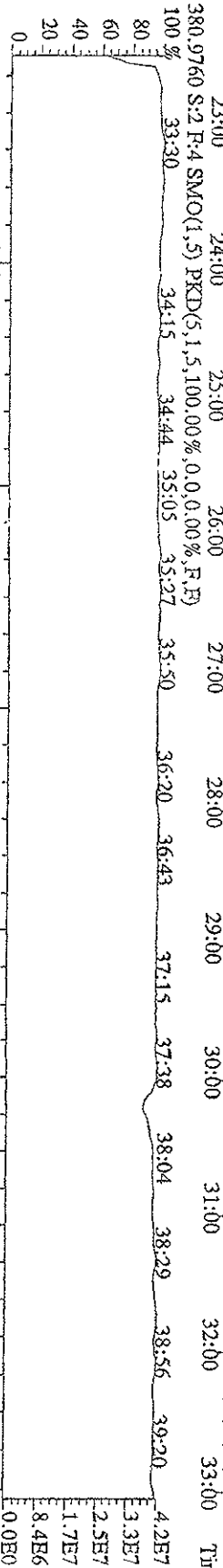
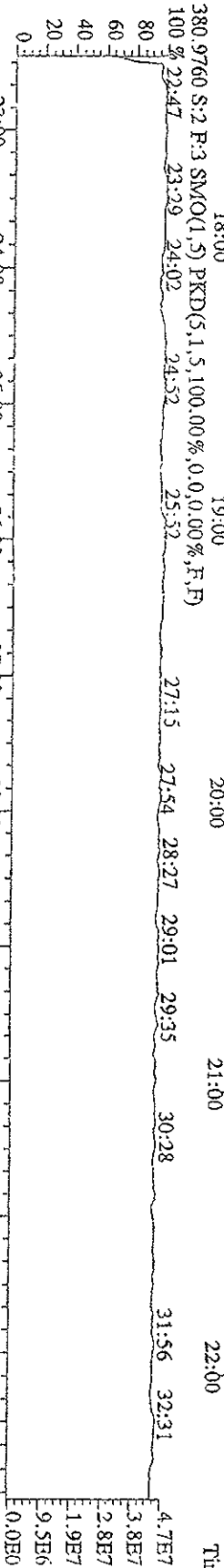
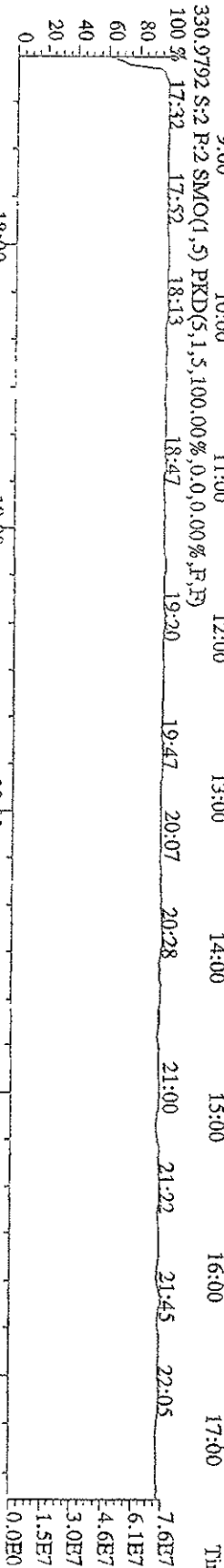
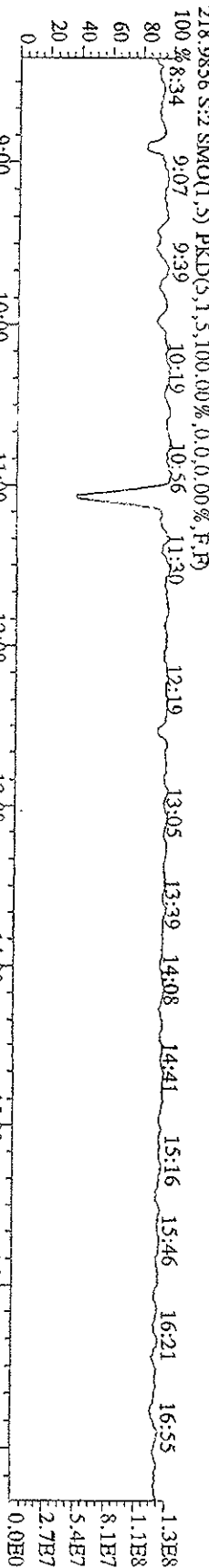
File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage 51R Autospec-Ultimat  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 461.7245 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,460,0,0,00%,F,T)  
 100% A4.45E6



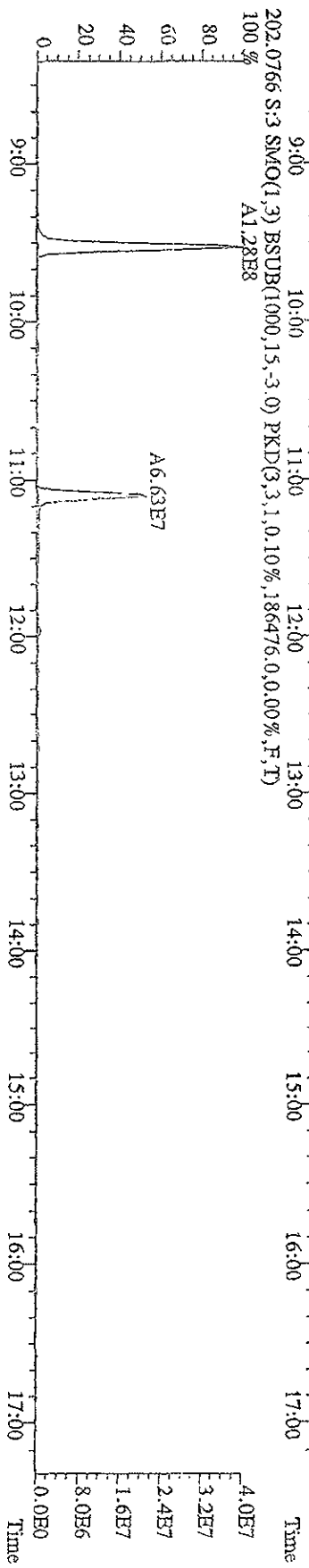
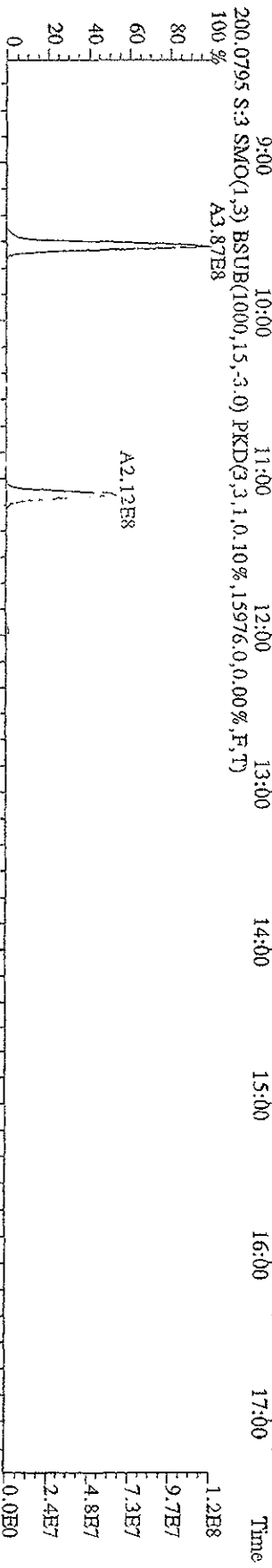
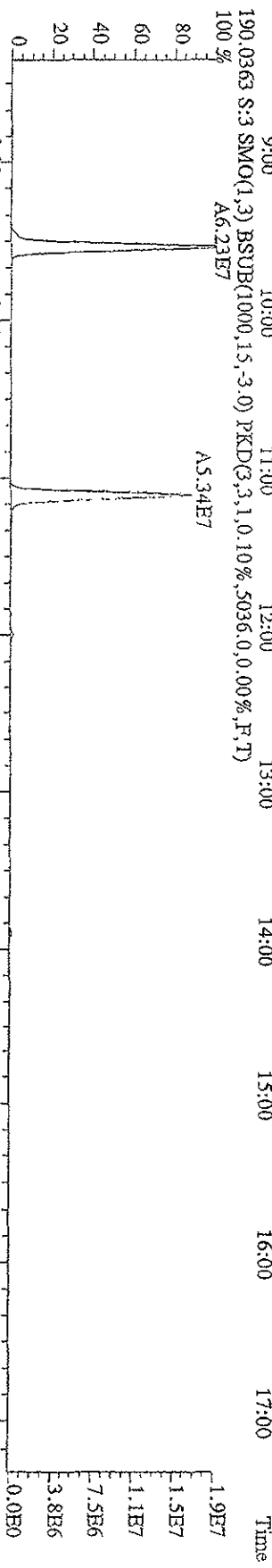
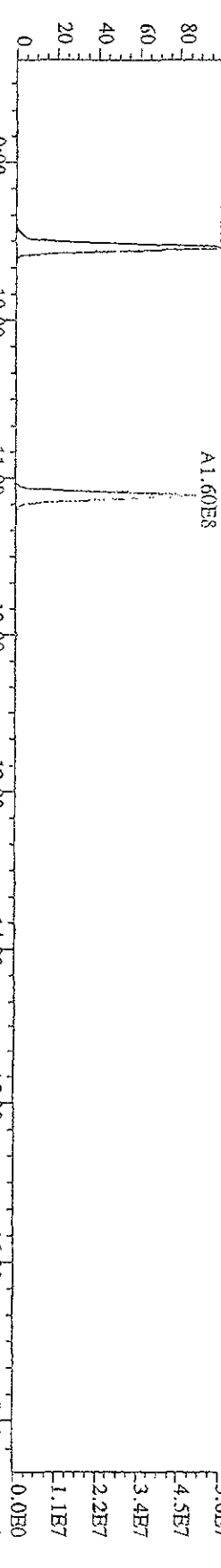
File: 151A09DD5 #1-379 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 495.6826 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,36,0,0,00%,F,T)



File: J15A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5

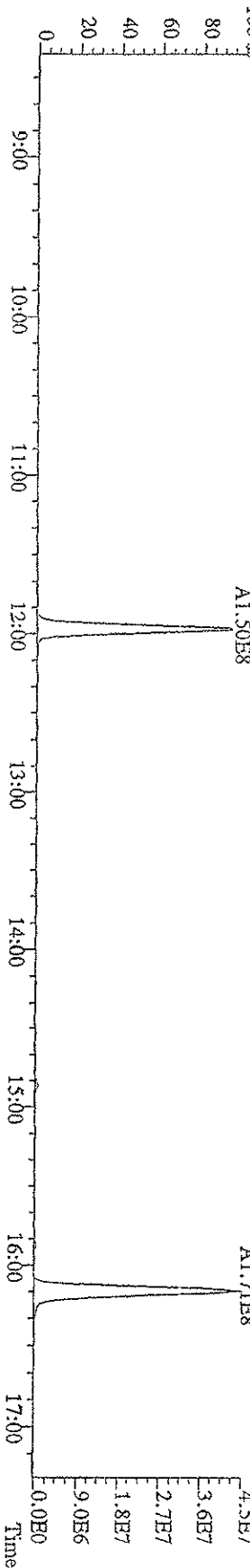
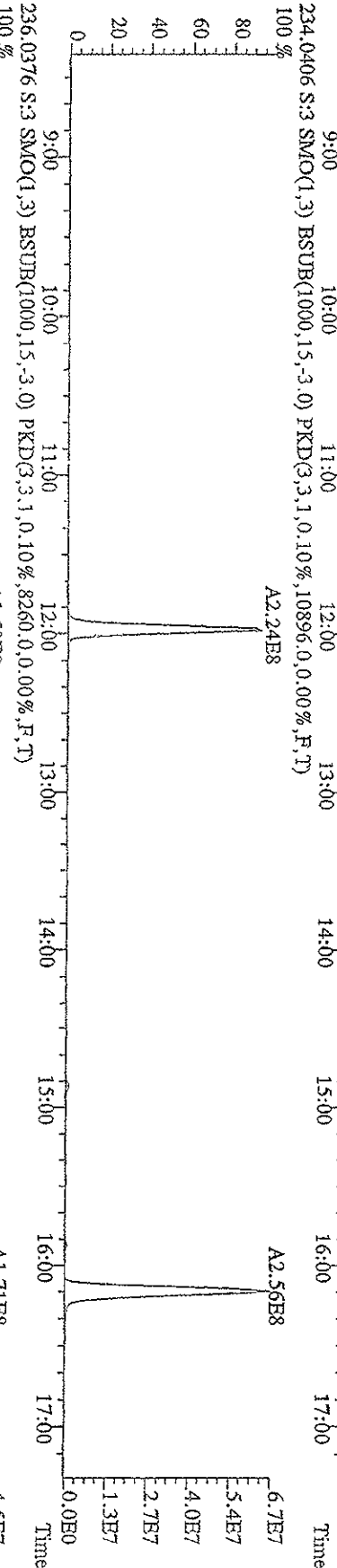
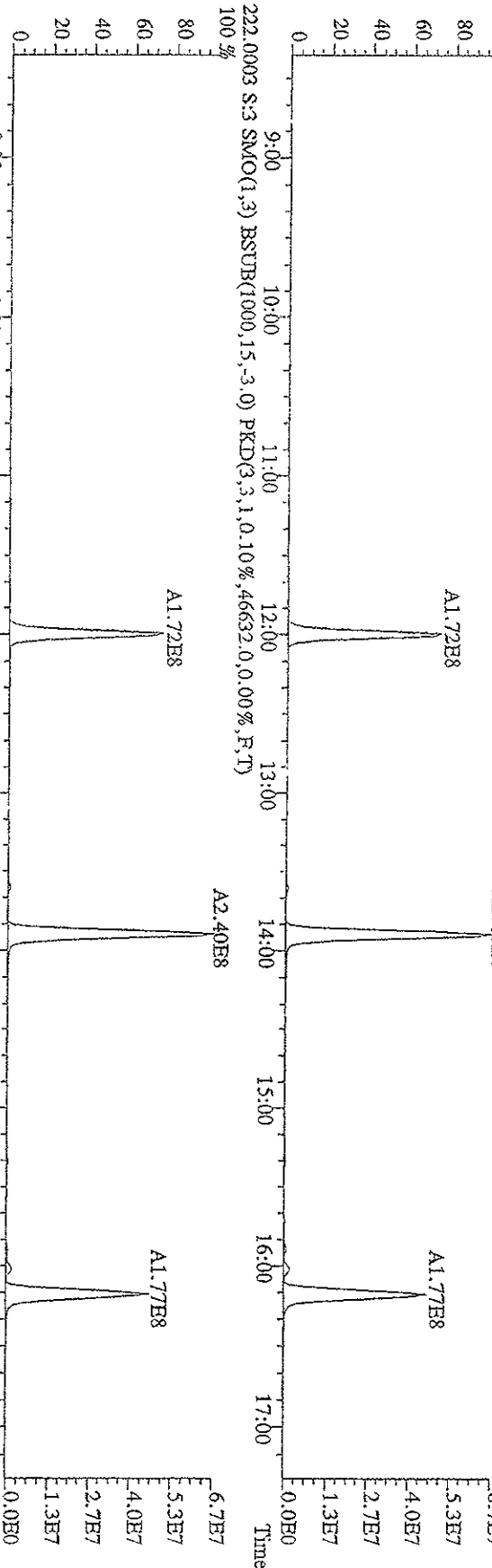


File:151A09D9D5 #1-609 Acq:15 JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 188.0393 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7580,0,0,00%,F,T)  
 100% A1.86E8 A1.60E8

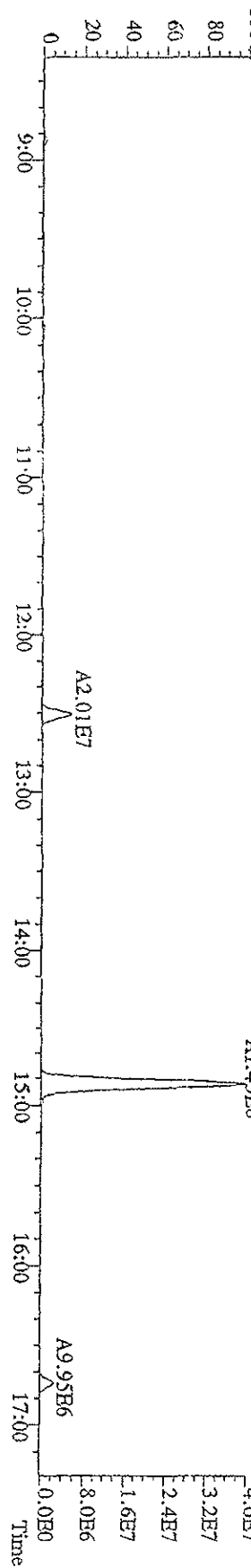
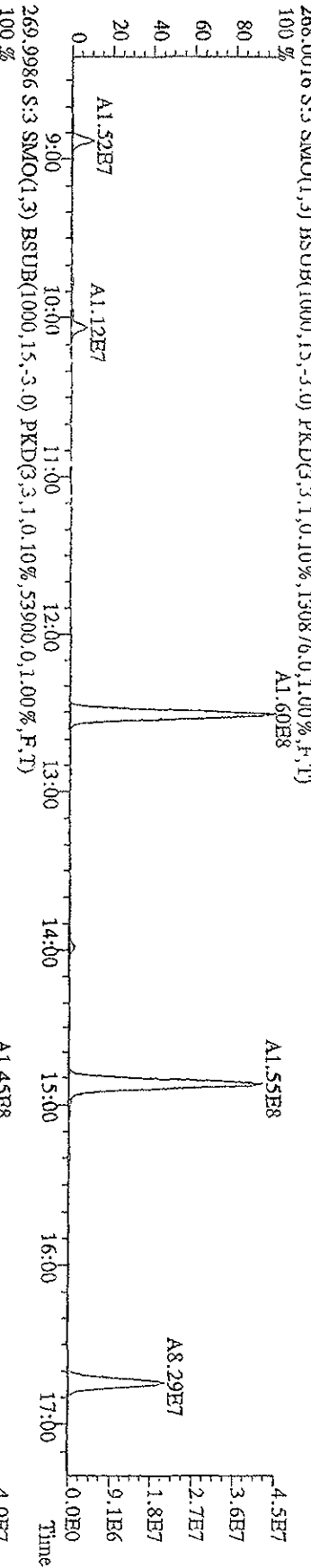
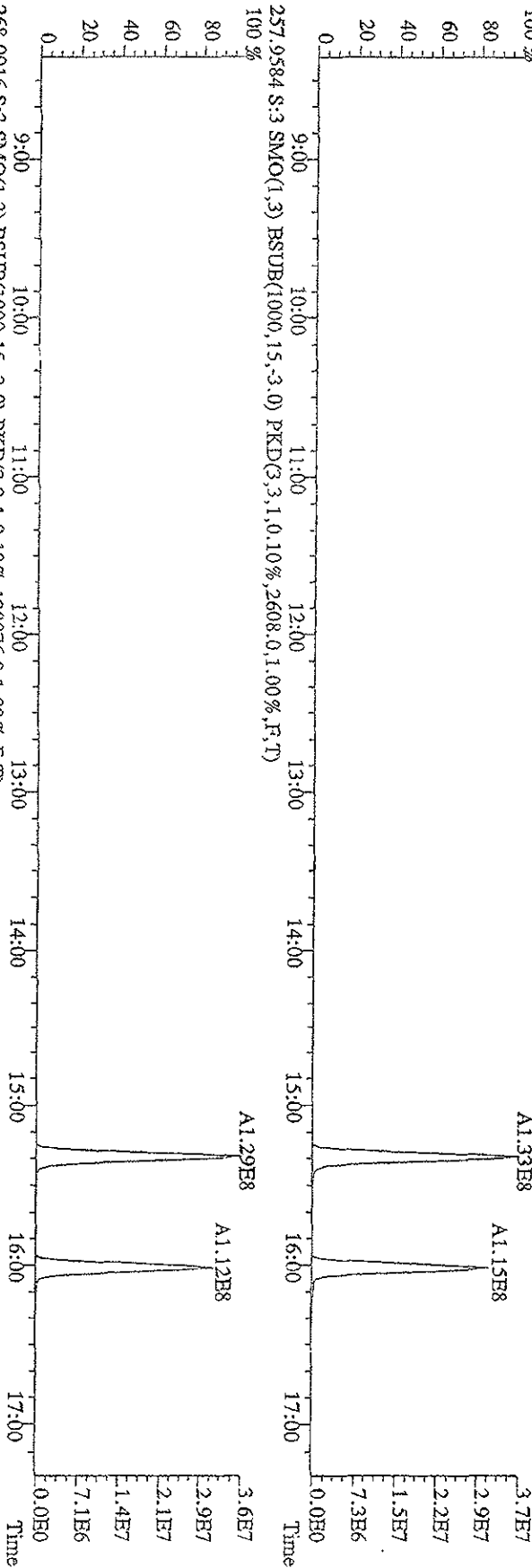




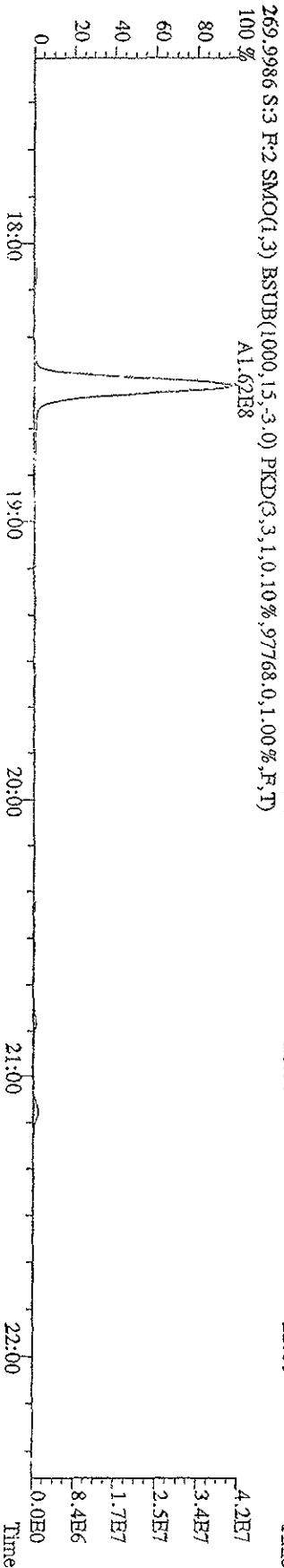
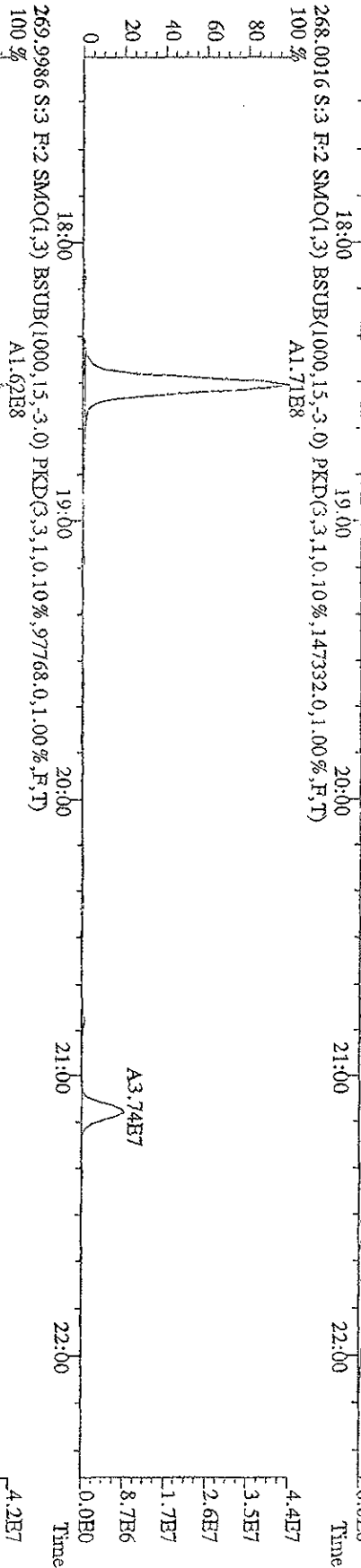
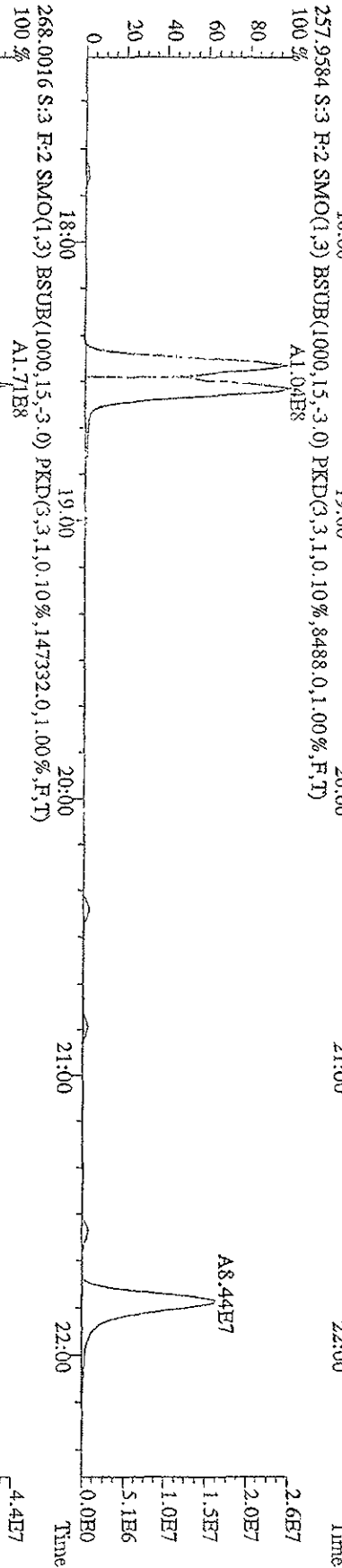
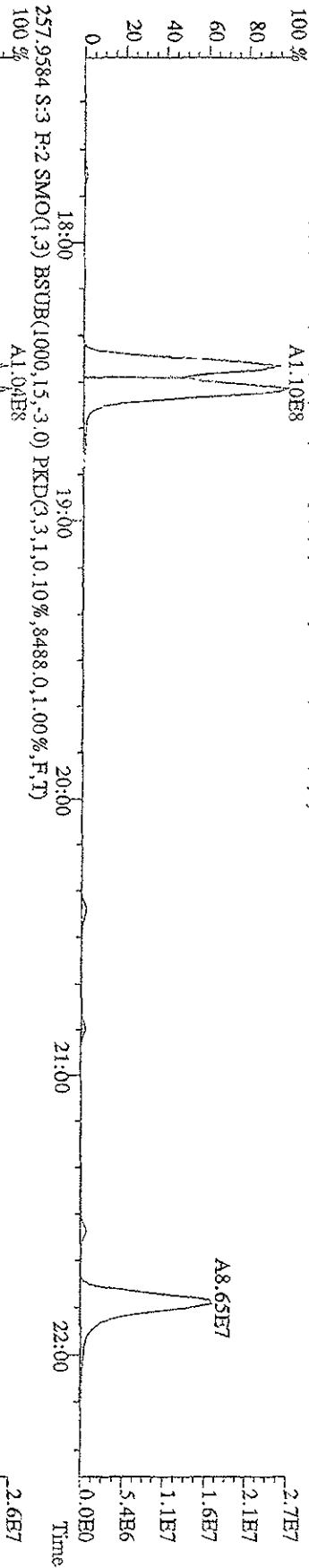
File:15IA09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage 51R Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 222.0003 S:3 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,3,1,0,10%,46632,0,0,00%,F,T)  
 100 %



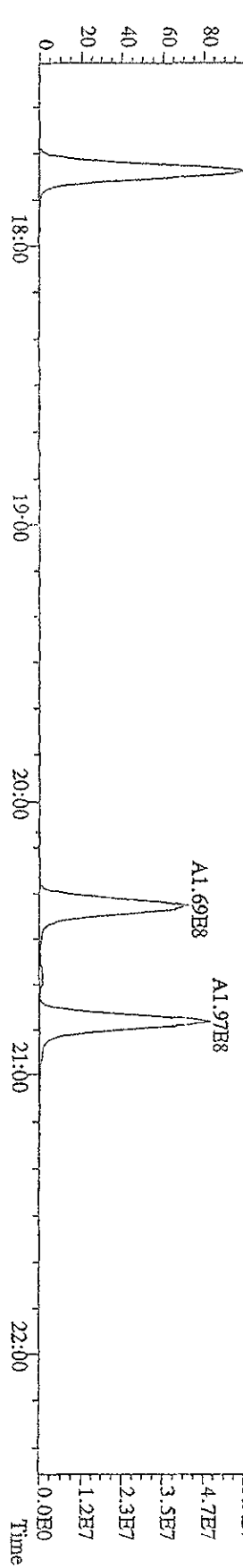
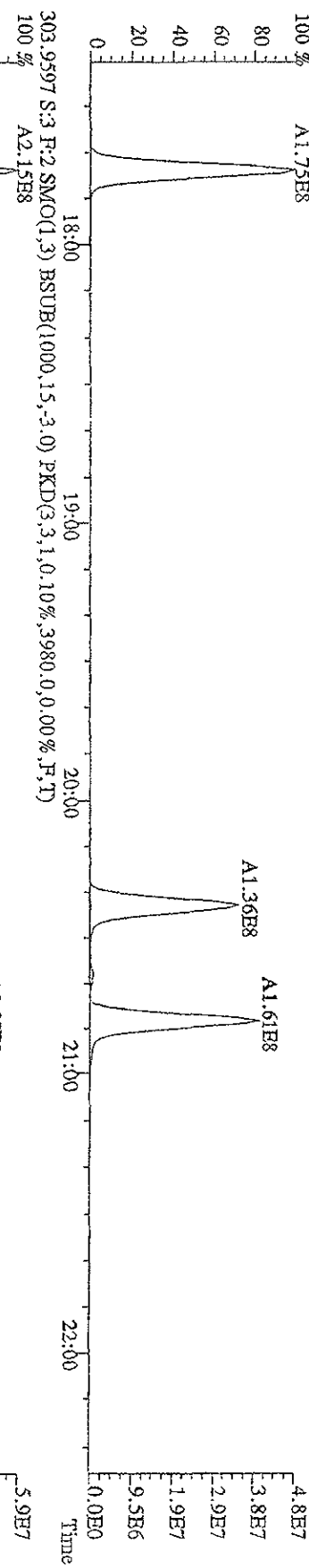
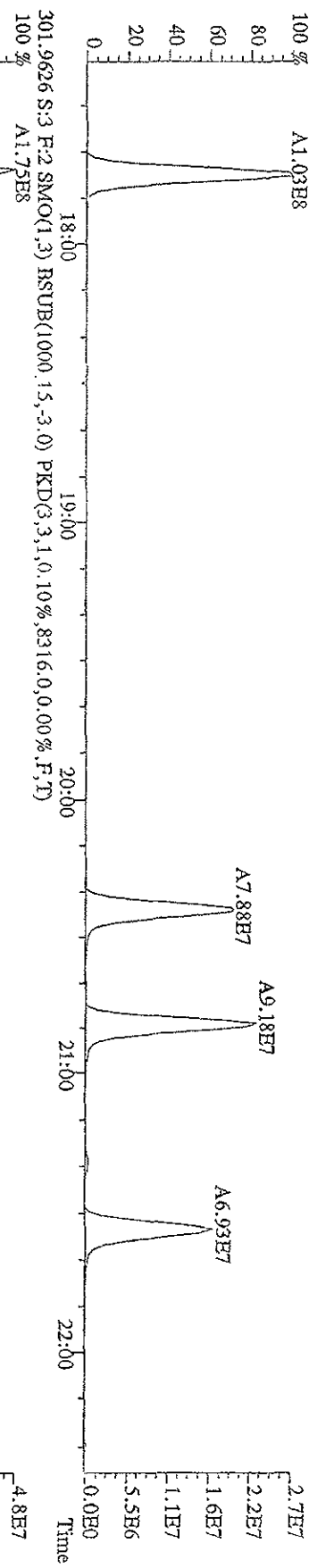
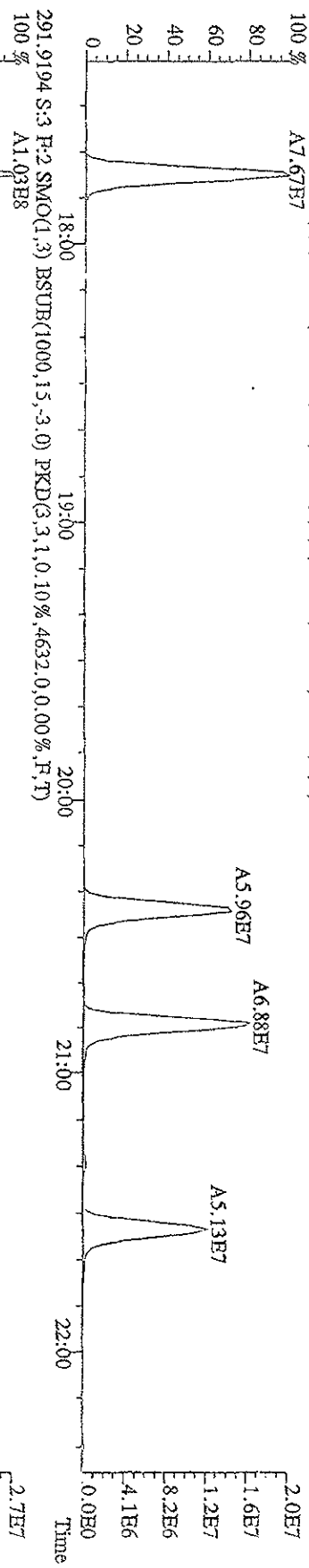
File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text: ST01151B : CS3 09DXN016 Exp: 209DB5  
 257.9613 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5848,0,1,00%,F,T)



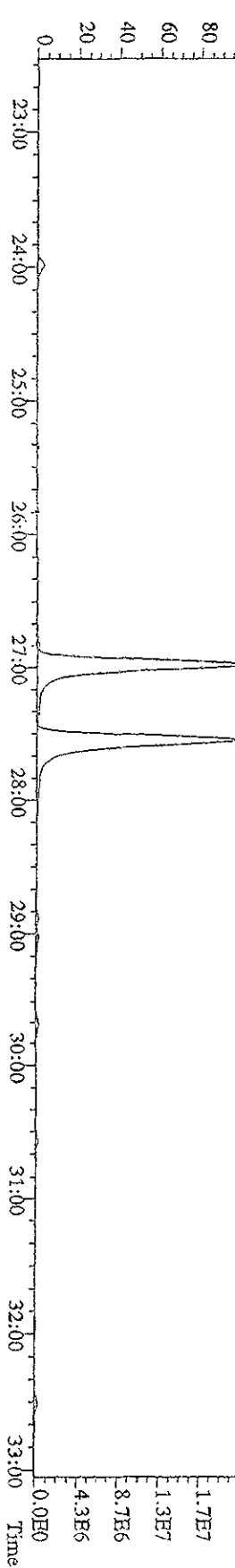
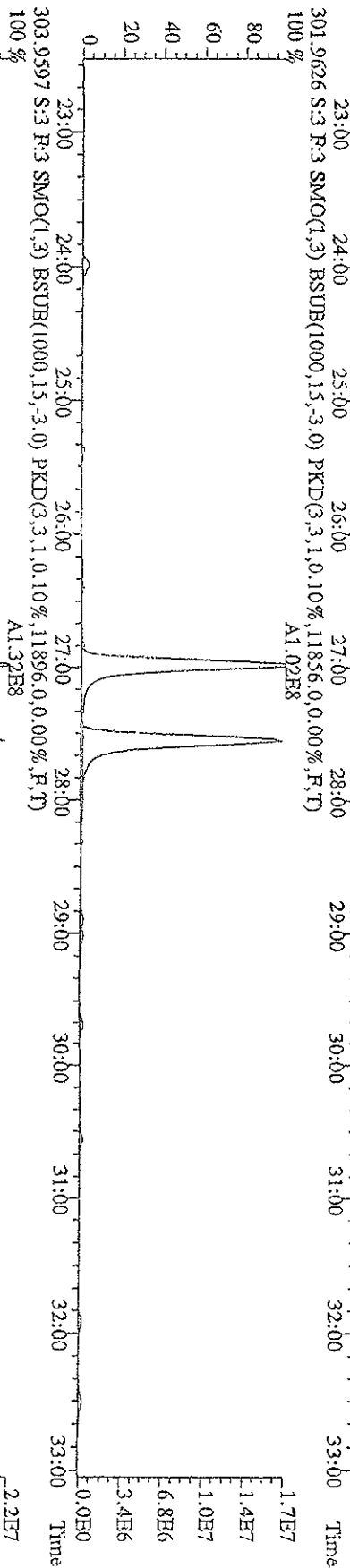
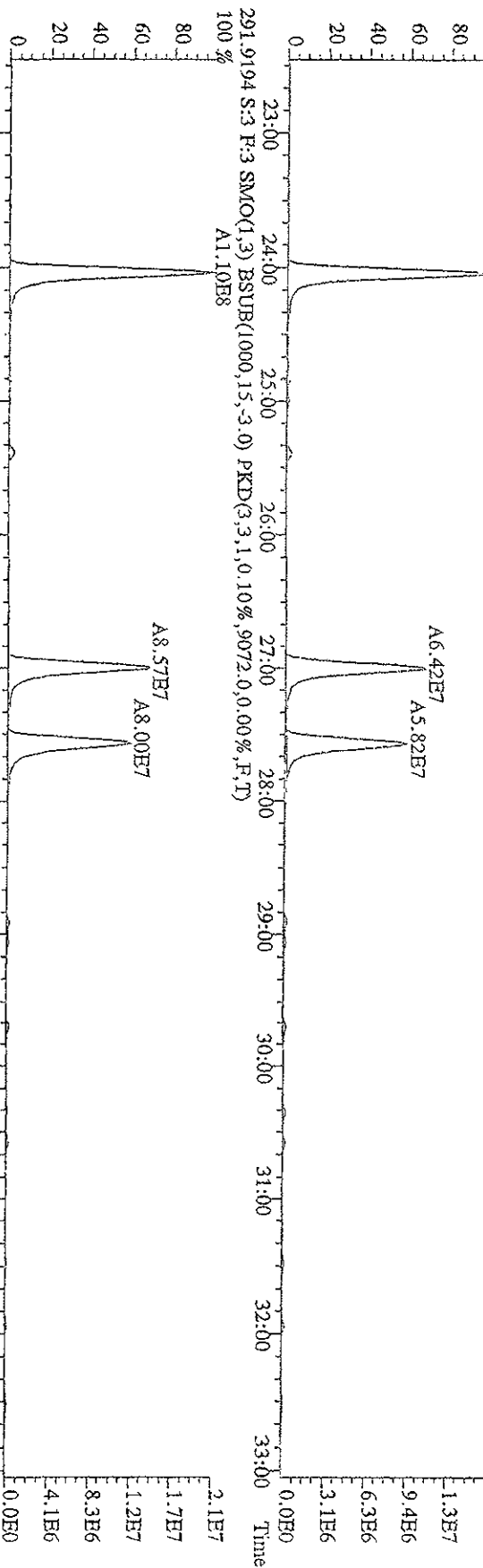
File:131A09DD9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 255.9613 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10996,0,1,00%,F,T)



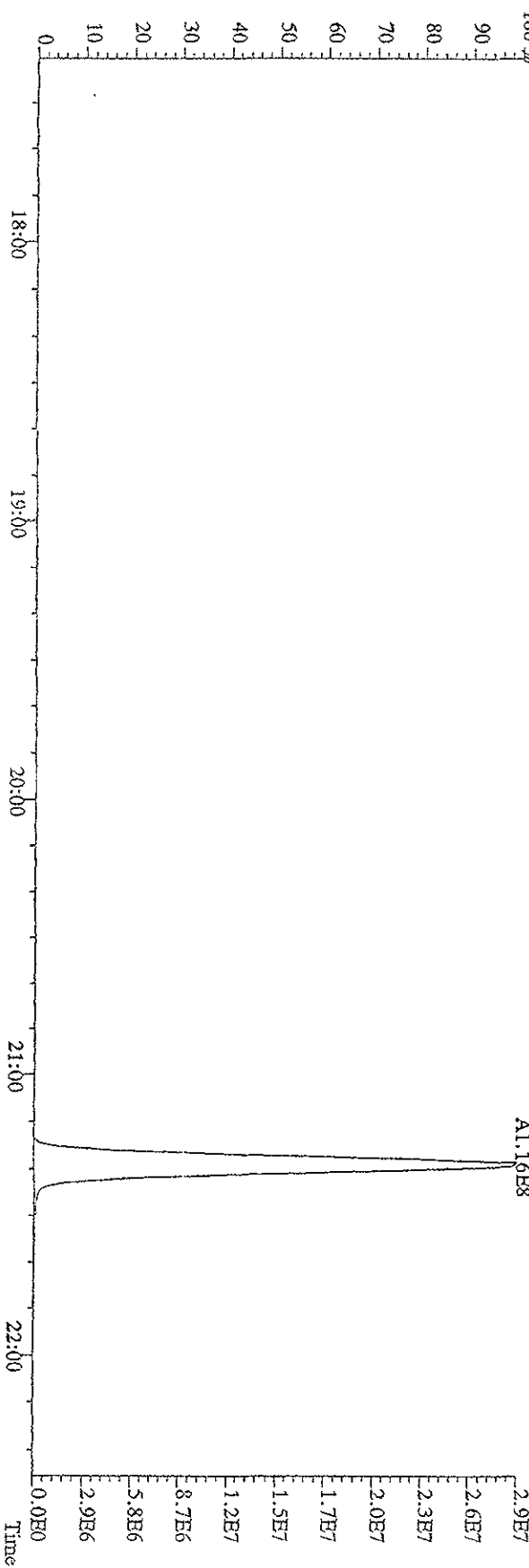
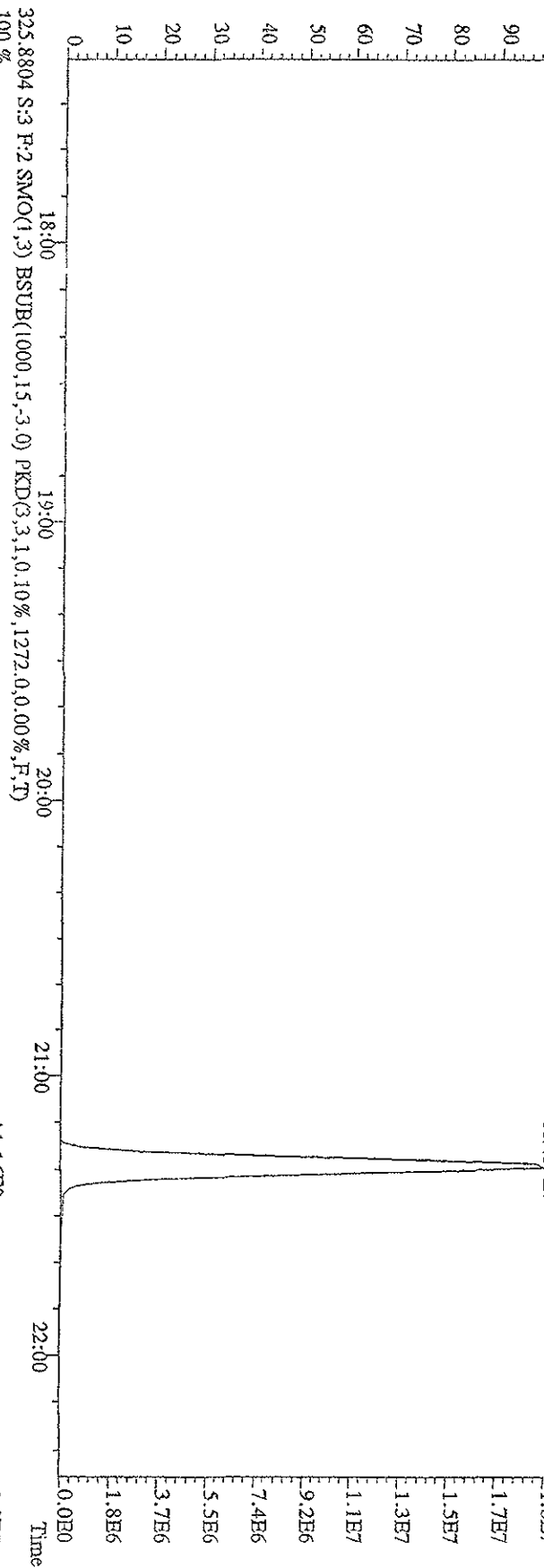
File: 151A09D9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
289.9224 S:3 F:2 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,1500,0,0,00%,F,T)  
100% A7.67E7



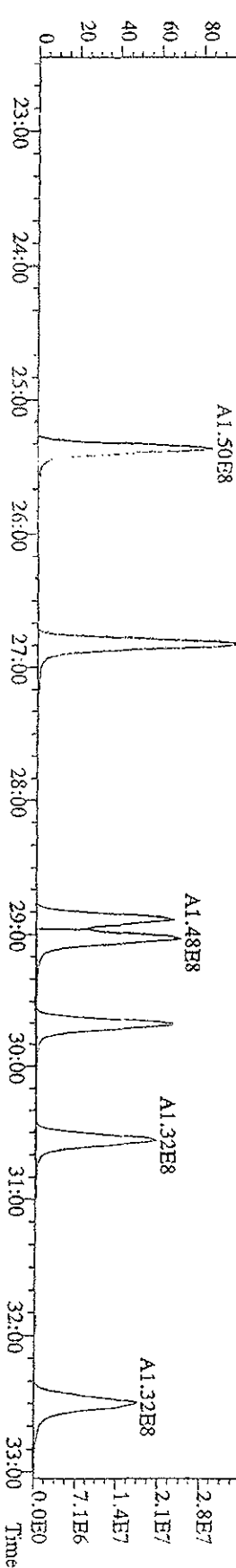
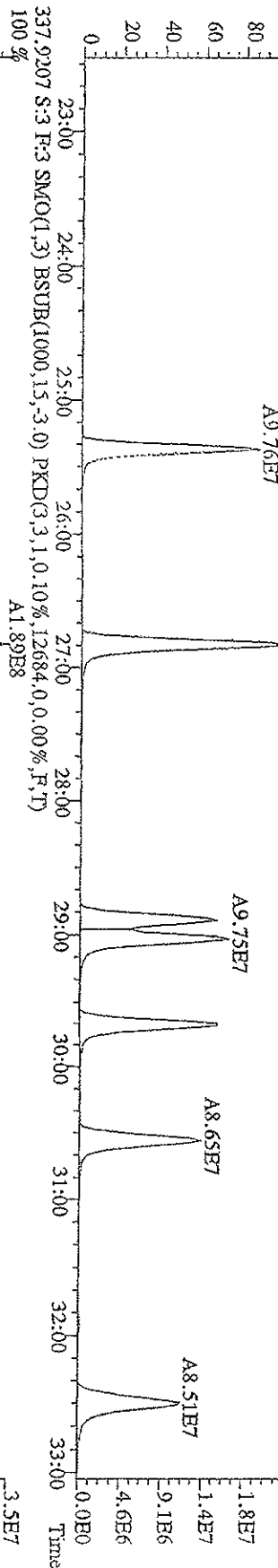
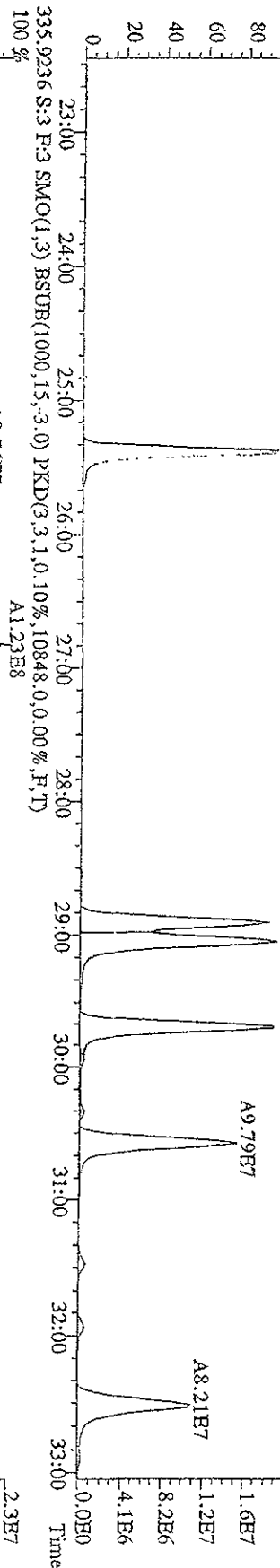
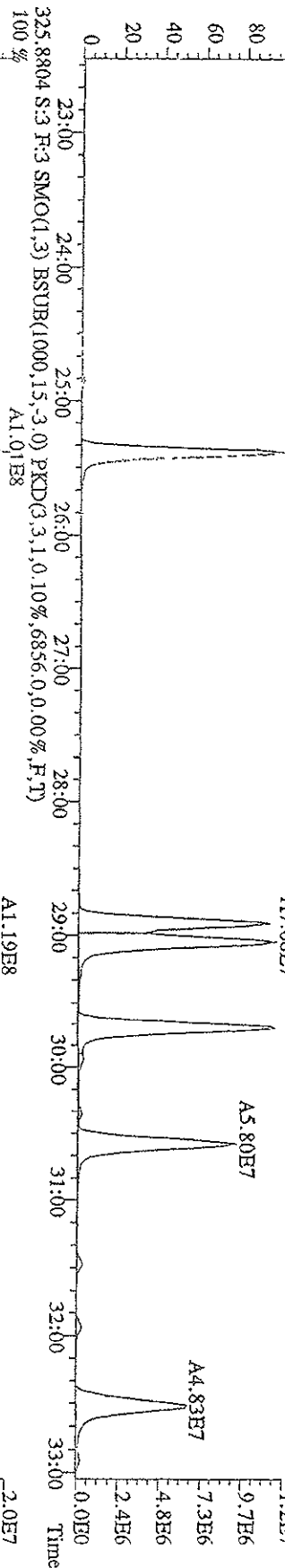
File: 151A091D9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXNM016 Exp: 209DB5  
 289 9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7528,0,0,00%,F,T)  
 100% A8.28E7



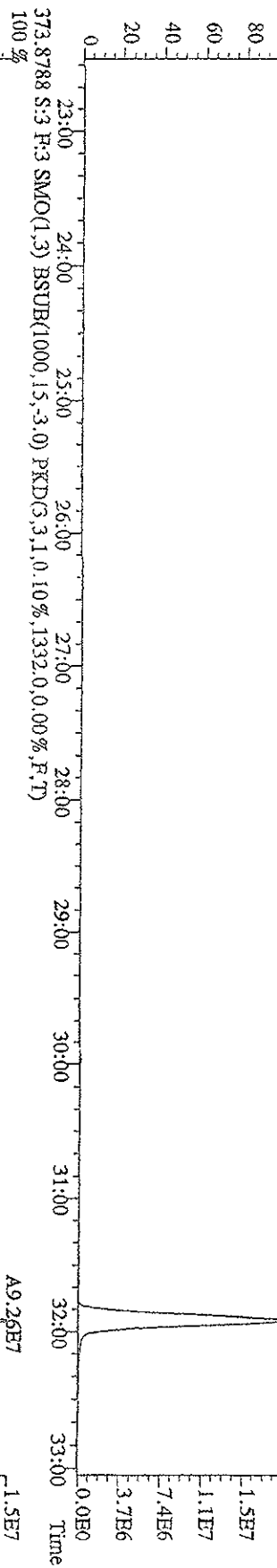
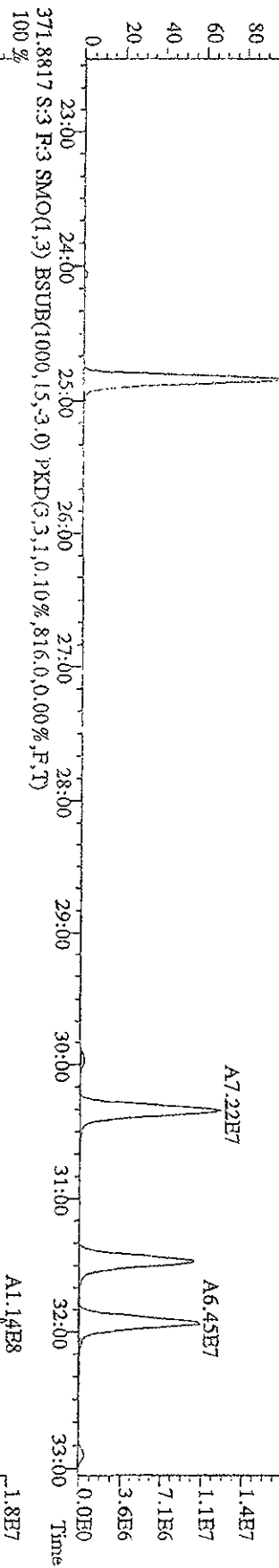
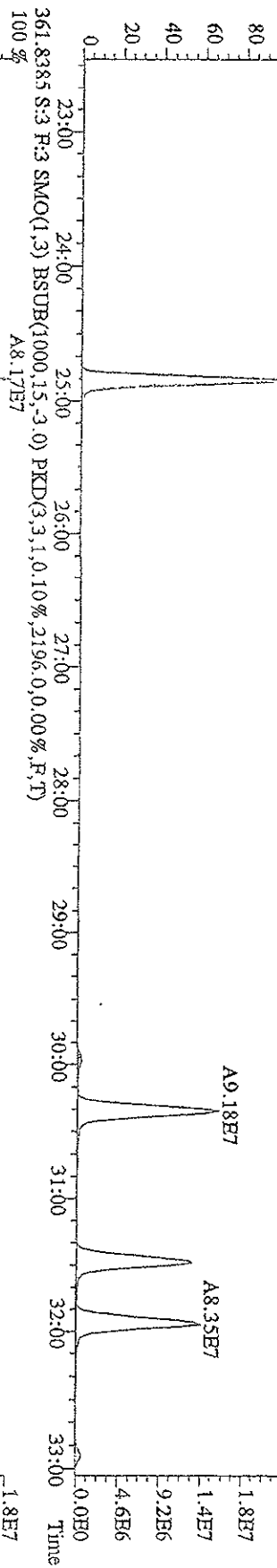
File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 323.8834 S:3 R:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1856,0,0,00%,F,T)



File:151A09D9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,6616,0,0.00%,F,T)  
 100 %



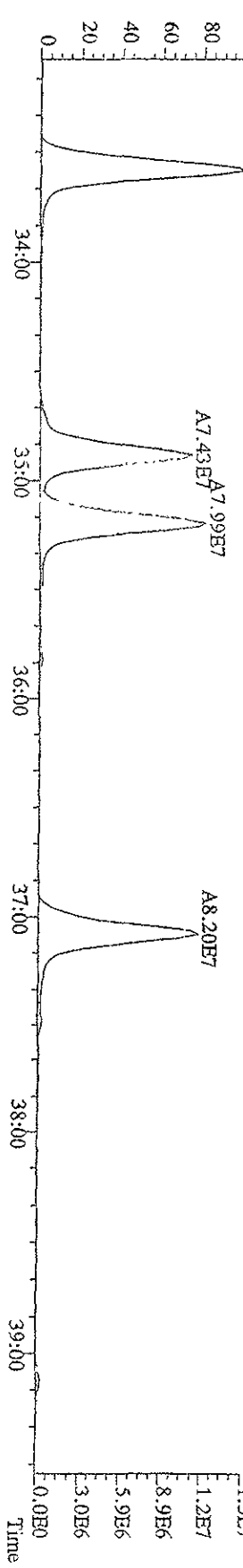
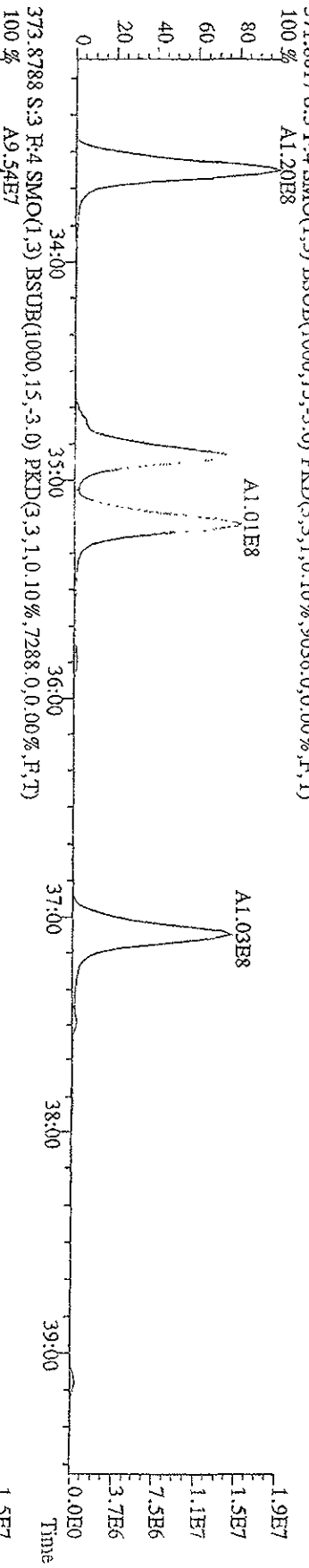
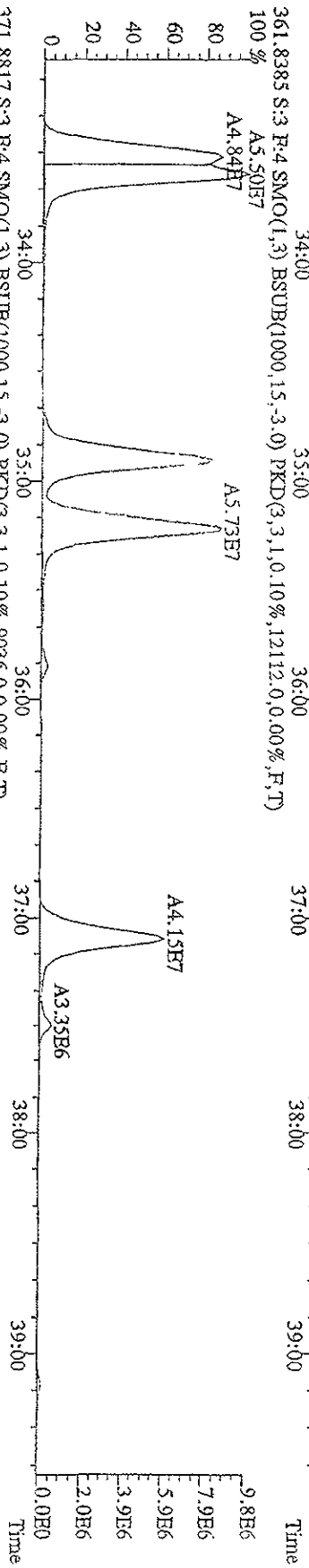
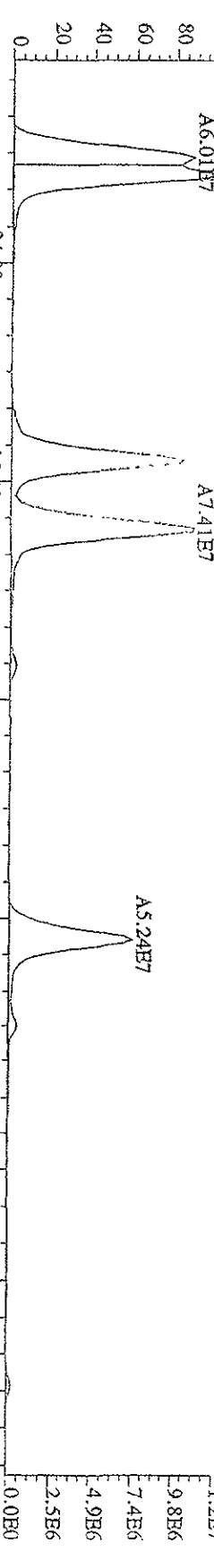
File:151A09DD9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 359 8415 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1732,0,0,00%,F,T)  
 100 % A1.05E8



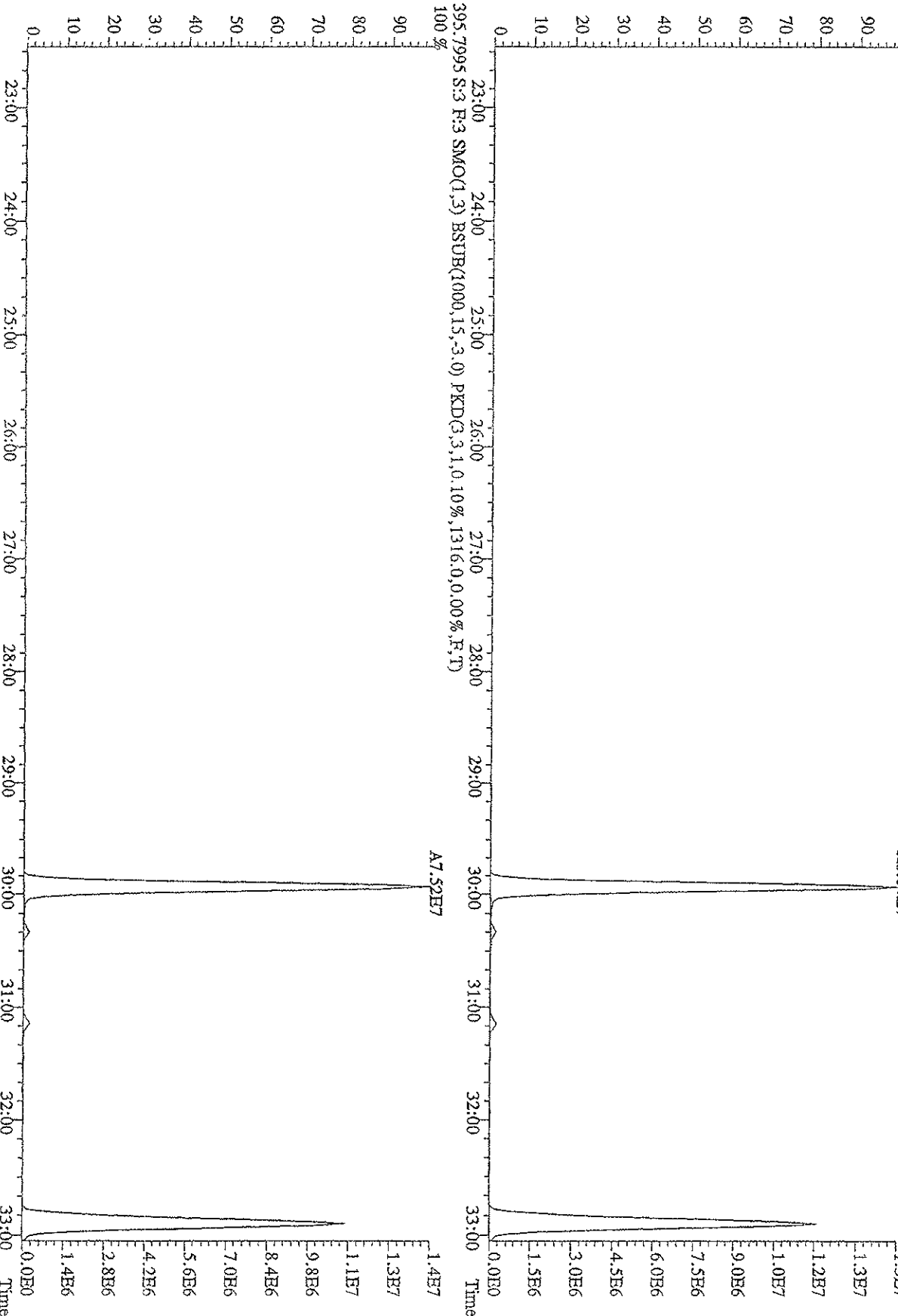


File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 22:07:59 GC: EI+ Voltage: 81R Autospec-UltimaF

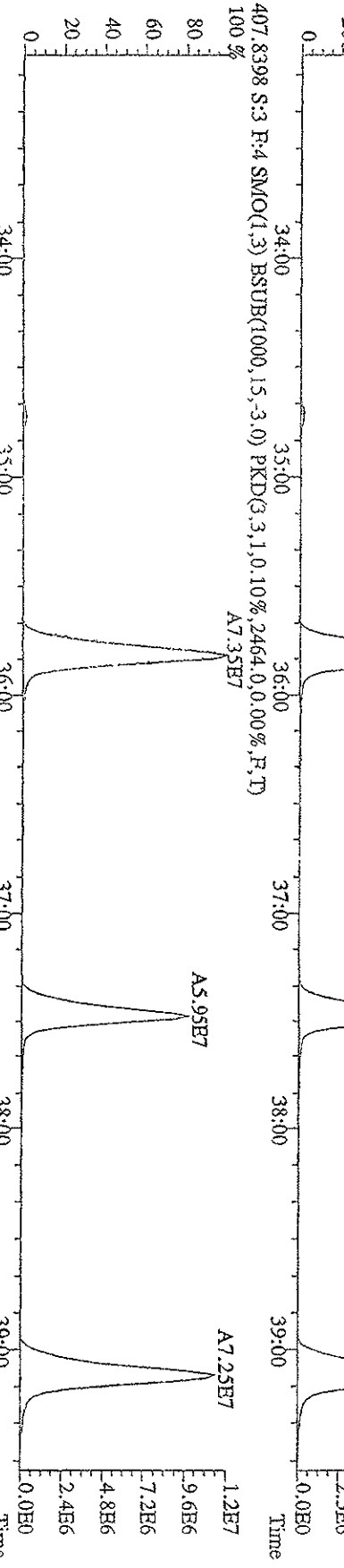
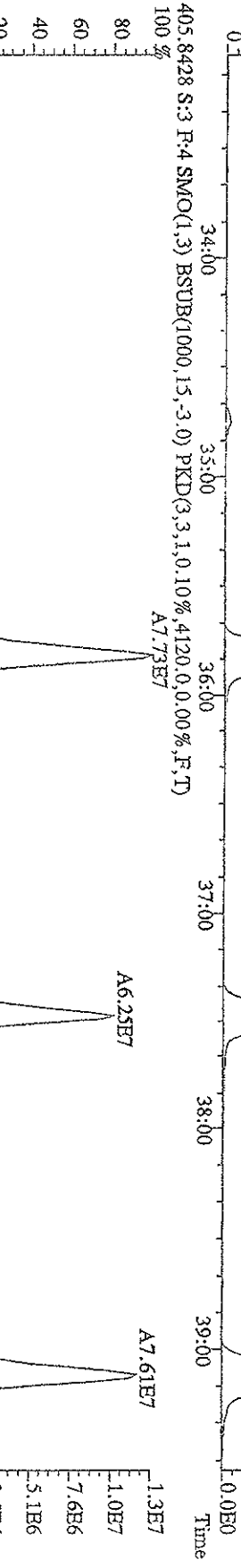
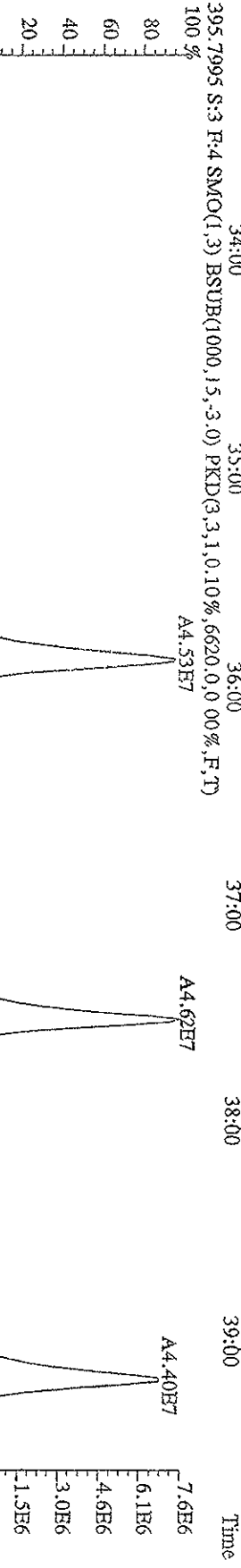
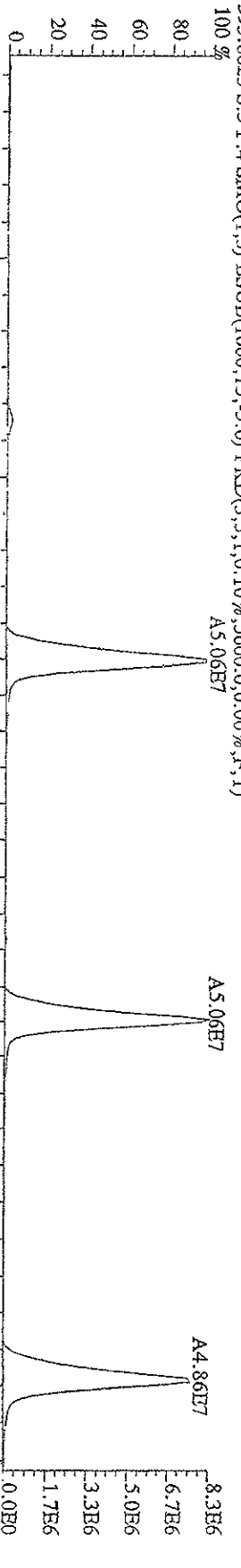
Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5



Title: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SHR Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 393.8025 S:3 R:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4328,0,0,00%,F,T)

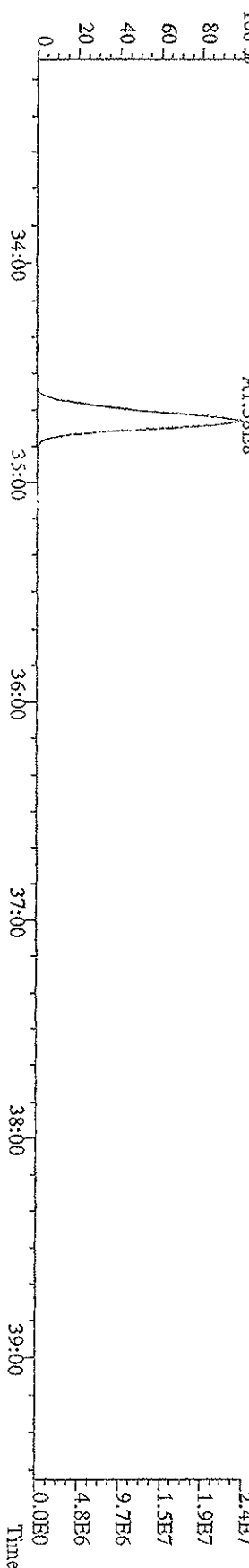
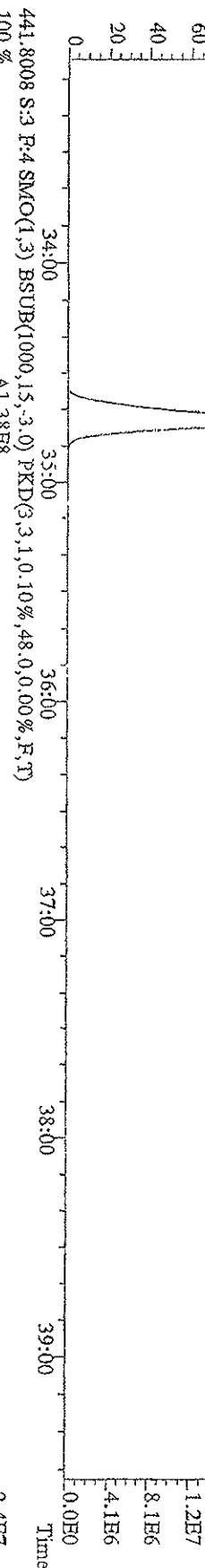
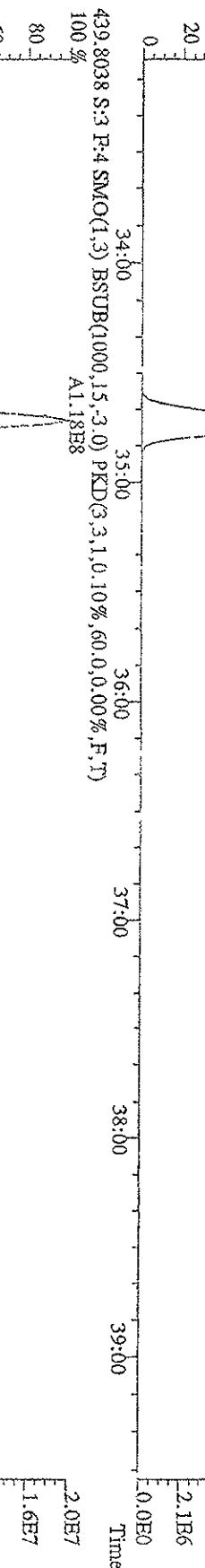
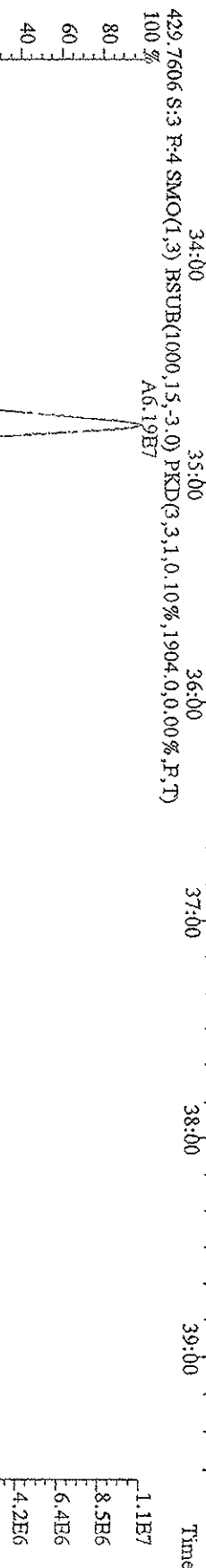
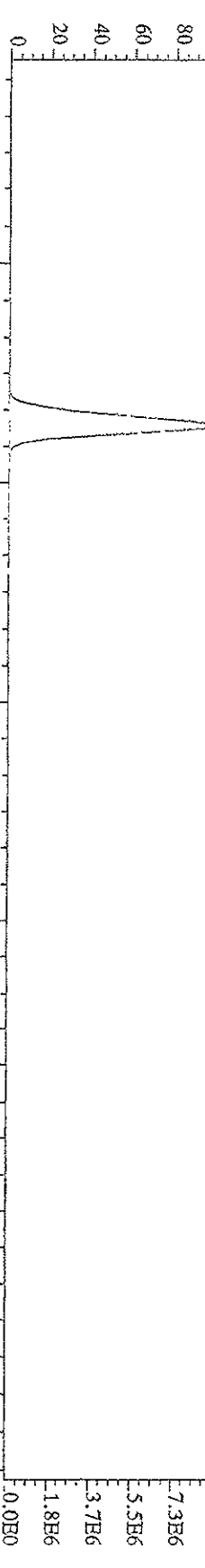


File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text: ST0115B :CS3 09DYN016 Exp: 209DB5  
 393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5600,0,0,00%,F,T)  
 100%

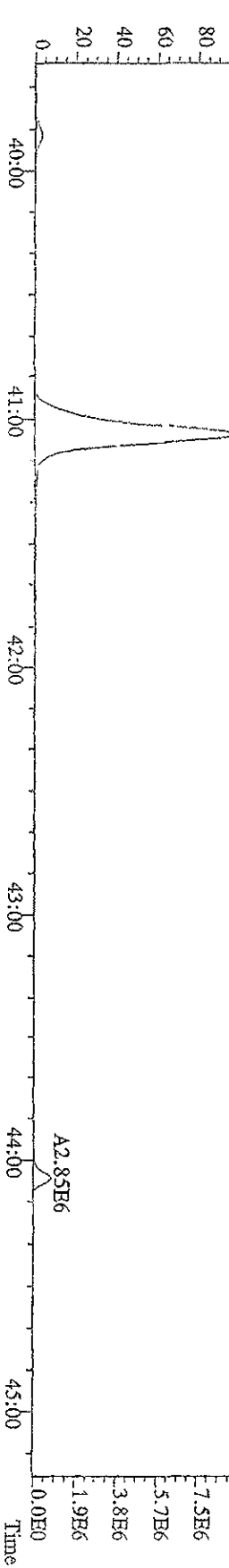
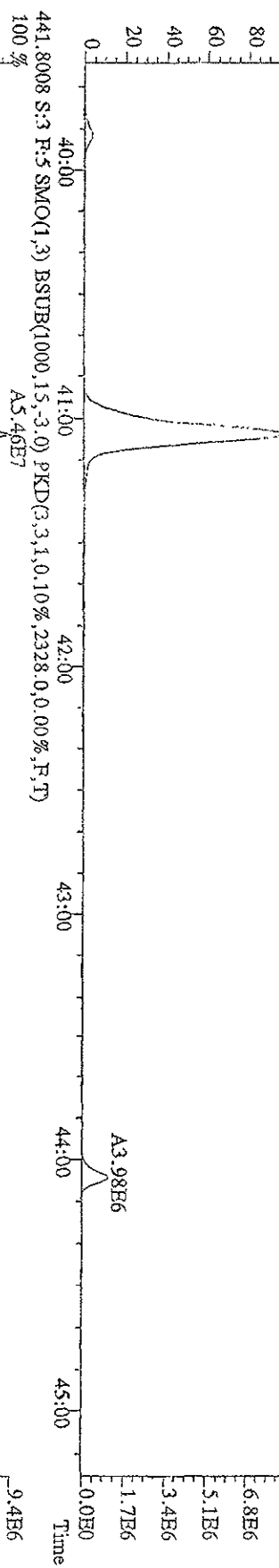
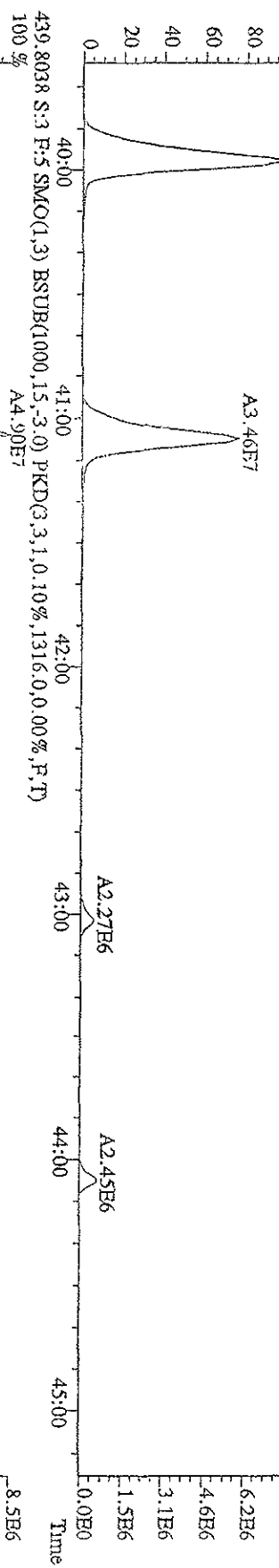
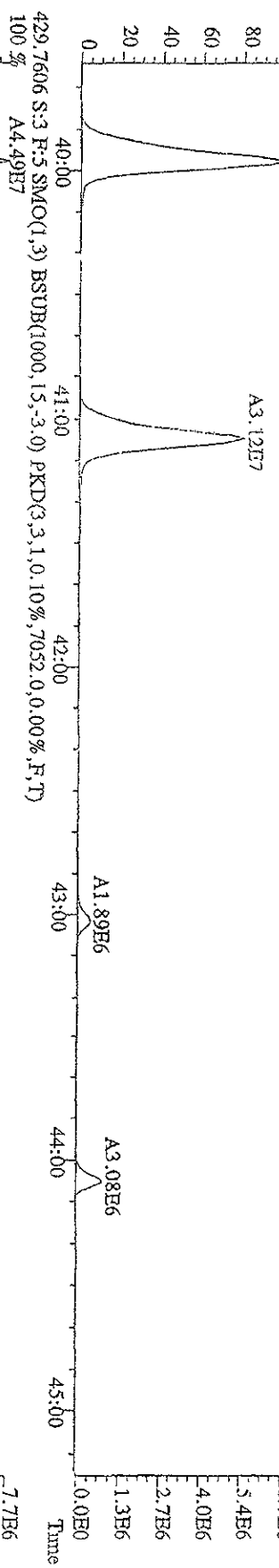


File: 15JA09D9D5 #1-395 Acq: 15-JAN-2009 22:07 59 GC EI+ Voltage SIR Autospec-Ultimate

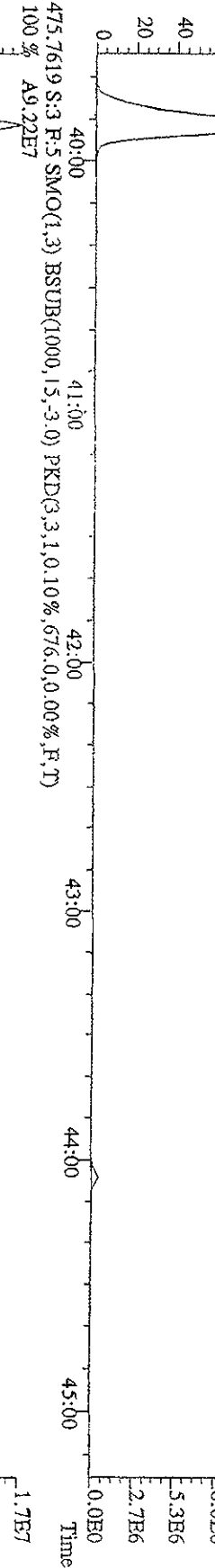
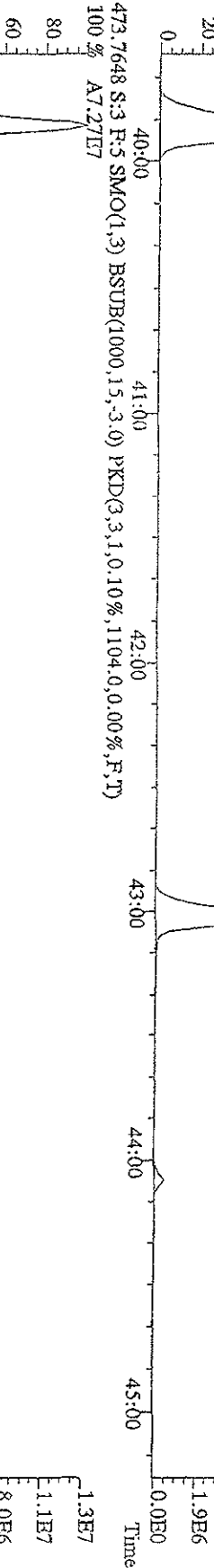
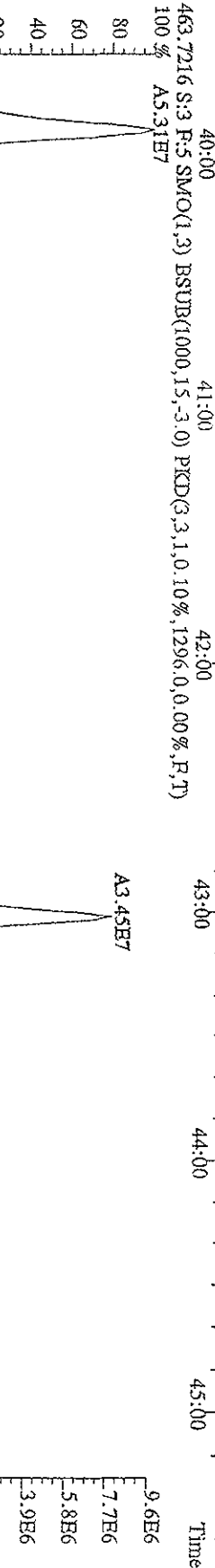
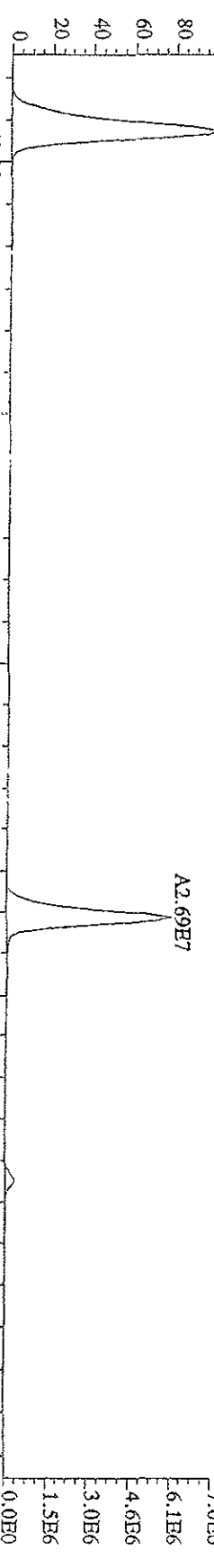
Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5



File:15JA09D9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC:EI+ Voltage:STR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 429.7606 S:3 F:5 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1.0,10%,7052,0,0.00%,F,T)  
 100% A3.96E7

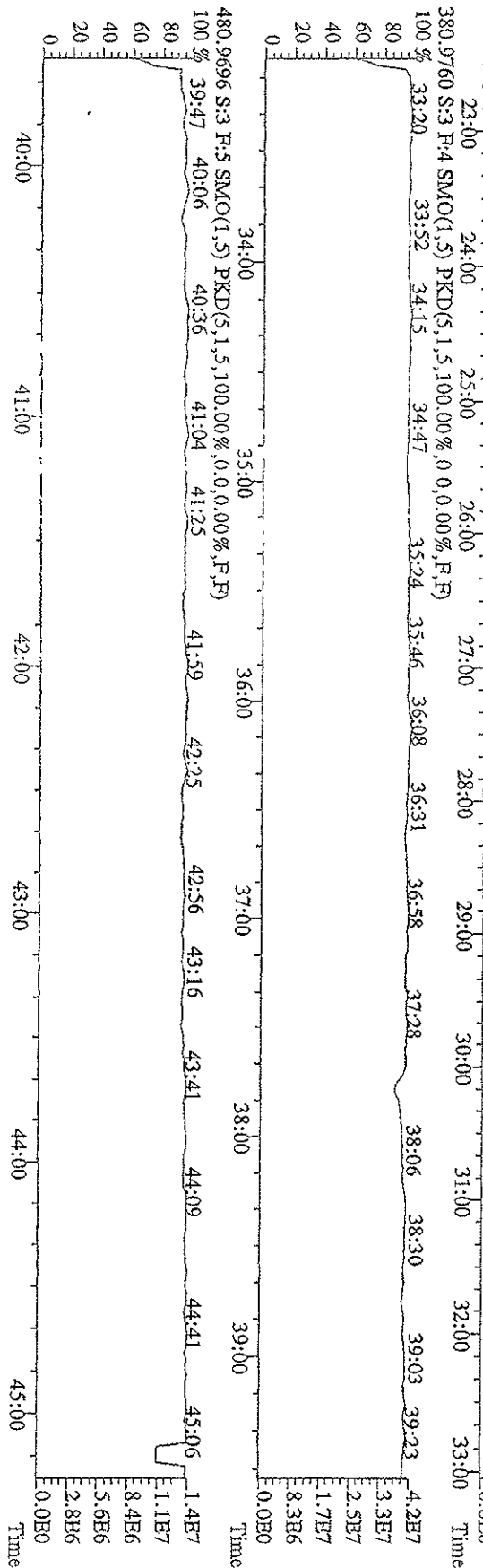
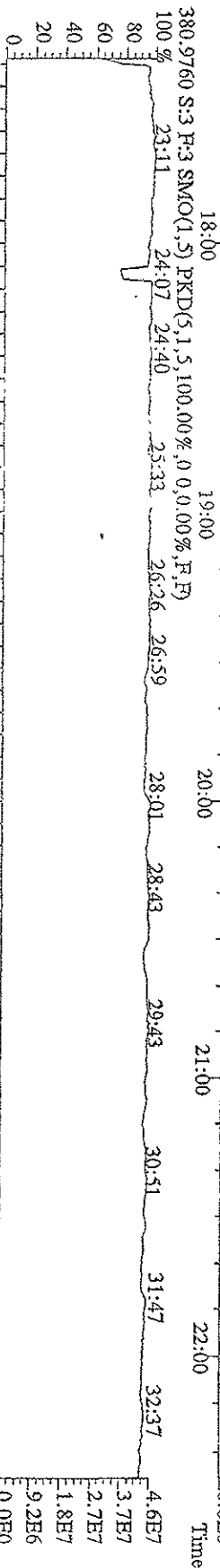
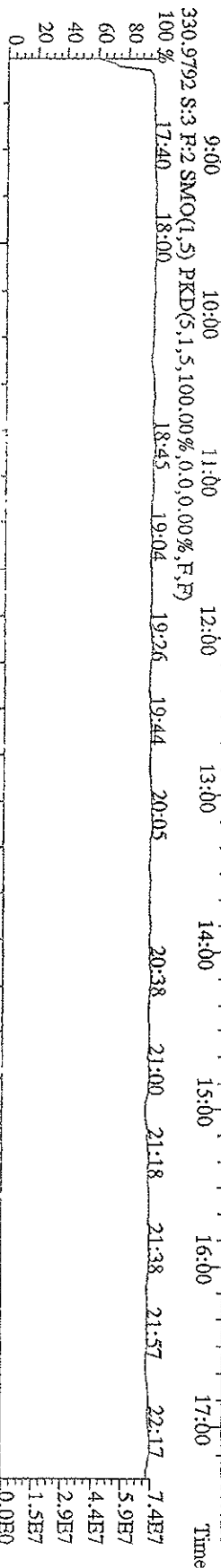
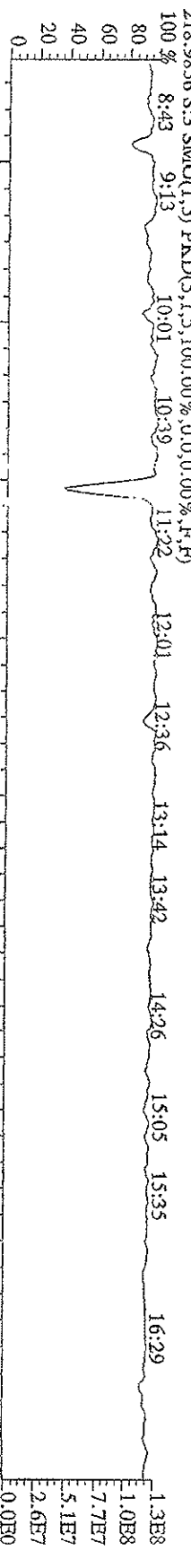


File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage 5TR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXM016 Exp:209DB5  
 461.7245 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,988,0,0,00%,F,T)  
 100% A4.19E7



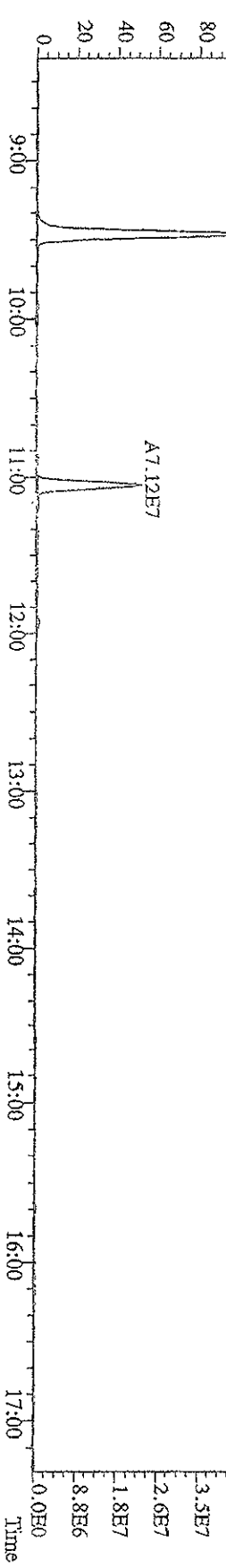
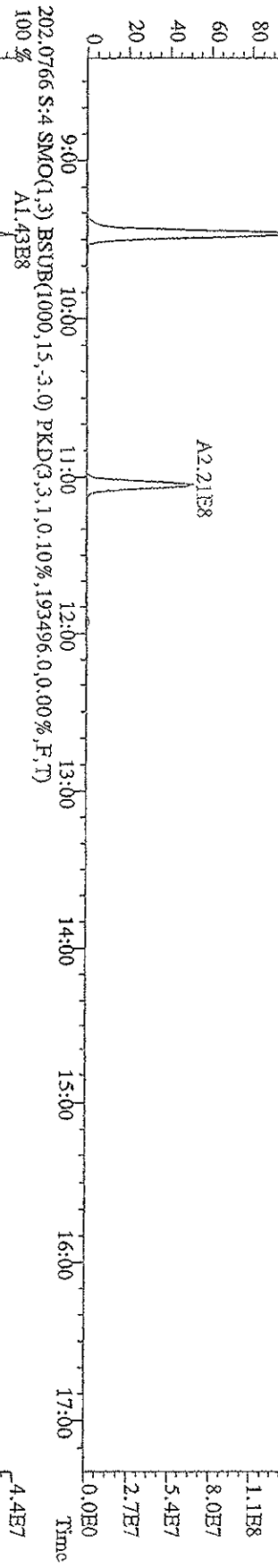
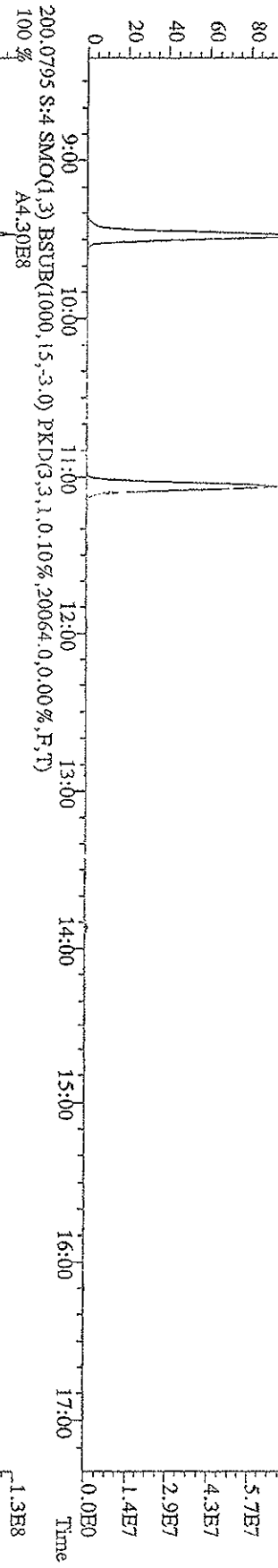
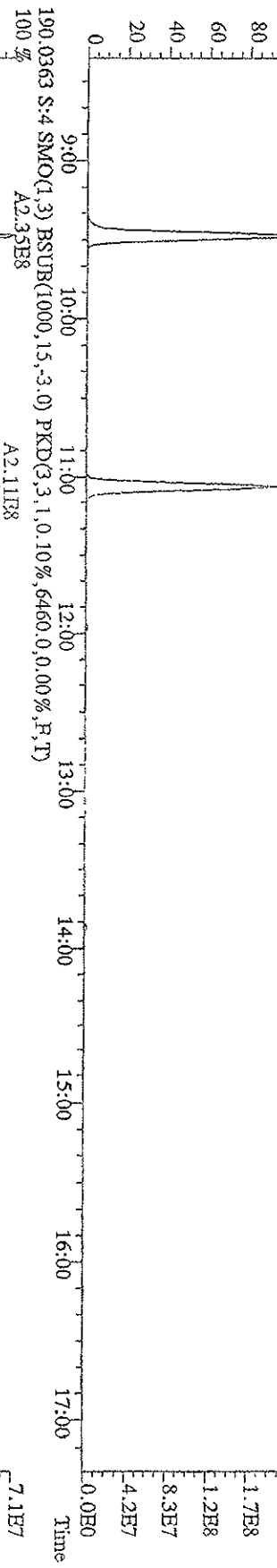


File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage: SIR Autospec-UltimaB  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5

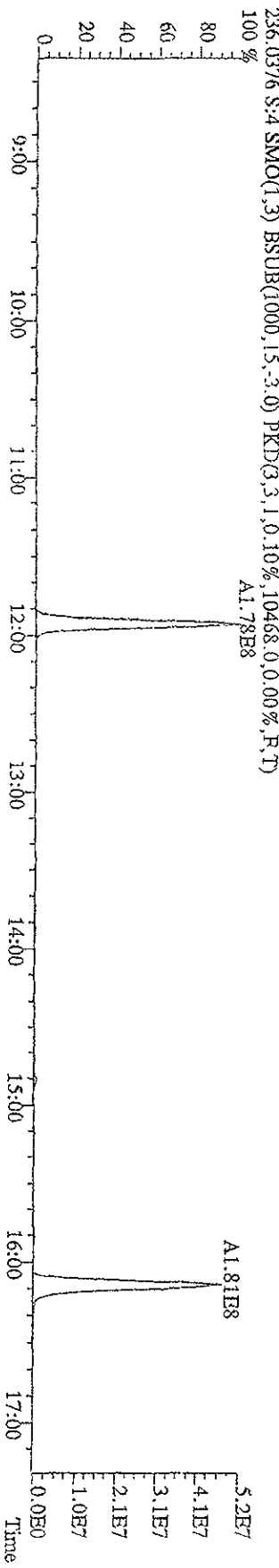
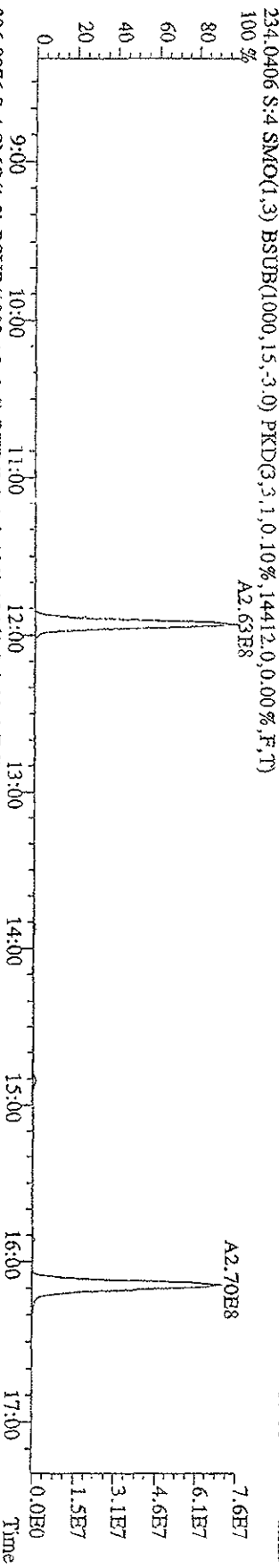
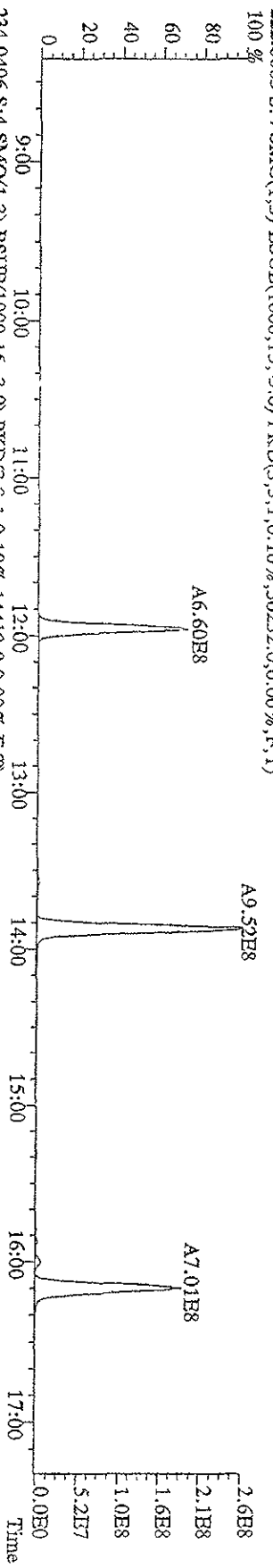
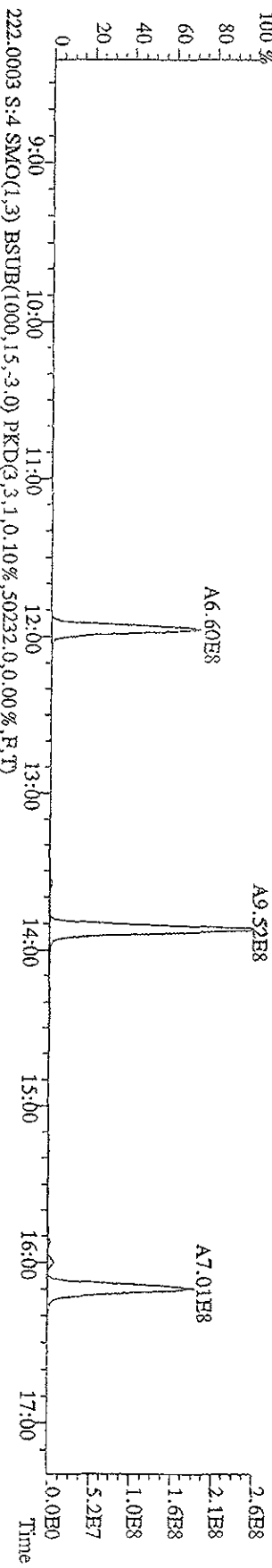




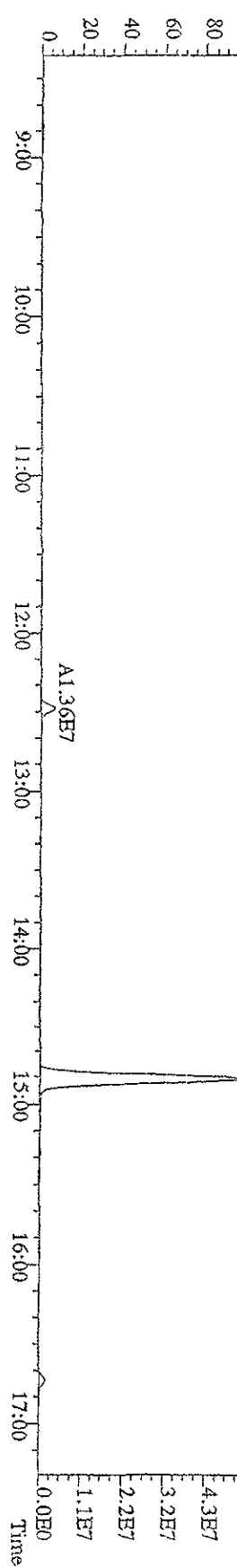
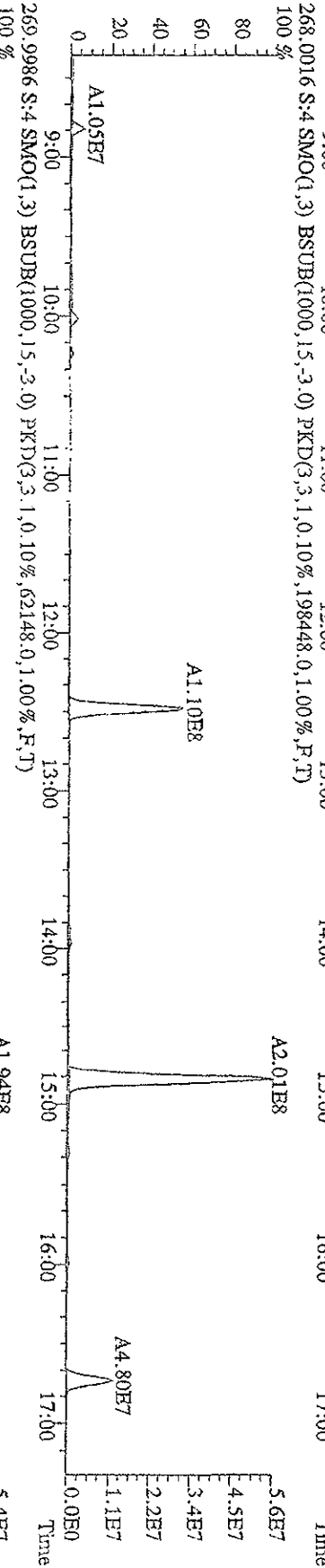
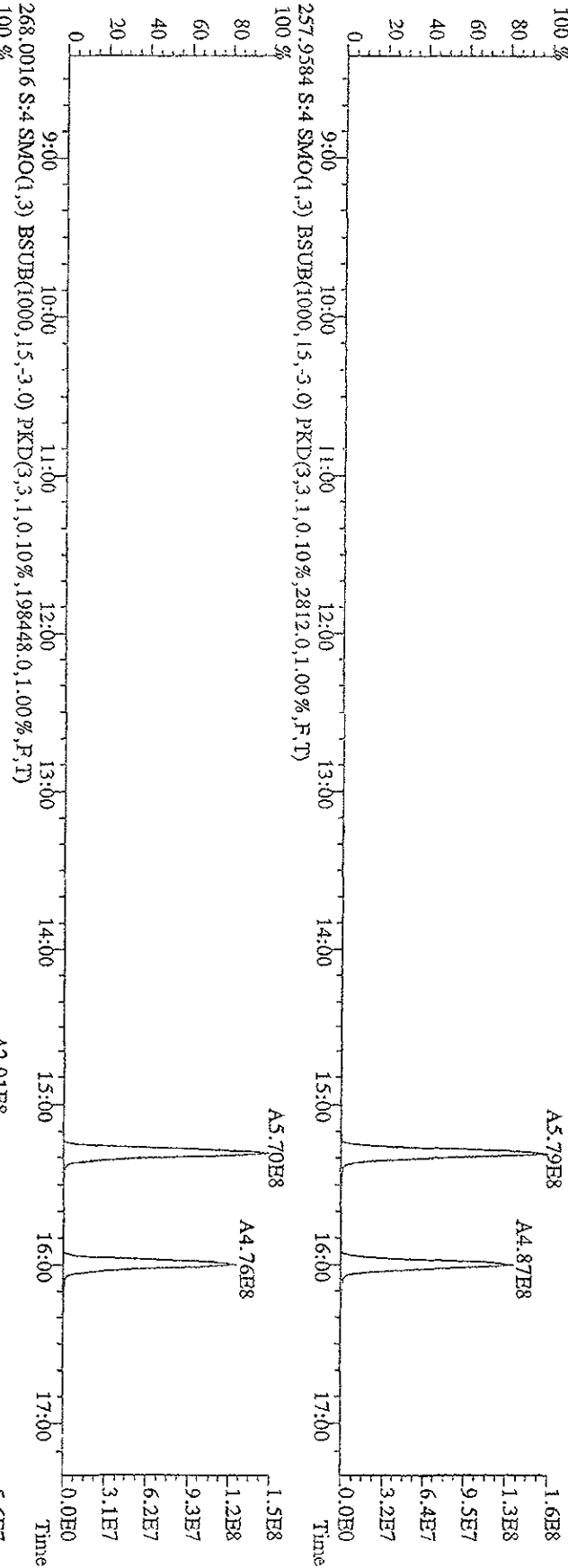
File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 22:59:23 GC HI+ Voltage SIR Autospec-UHmanE  
 Sample#4 Text: ST0115C :CS4 09DXM017 Exp: 209DB5  
 188.0393 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,12792,0,0,00%,F,T)  
 100% A6.94E8 A6.201E8



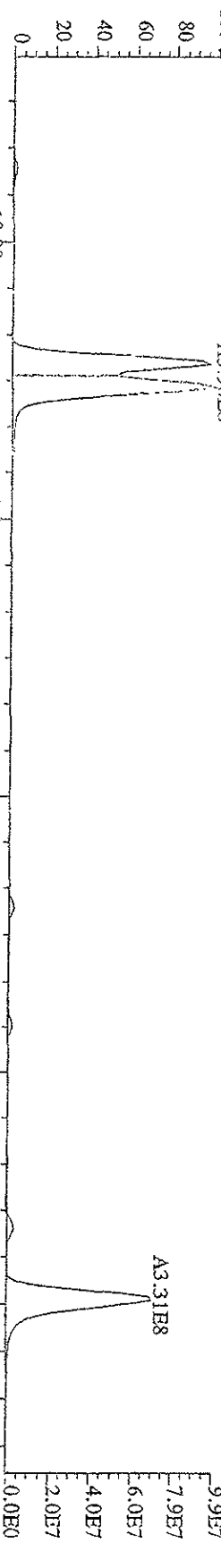
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC:EI+ Voltage:STR Atmospec-UltraB  
 Sample#4 Text:STU115C :CS4 09DXN017 Exp:209DB5  
 222.0003 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,50232,0,0,00%,F,T)



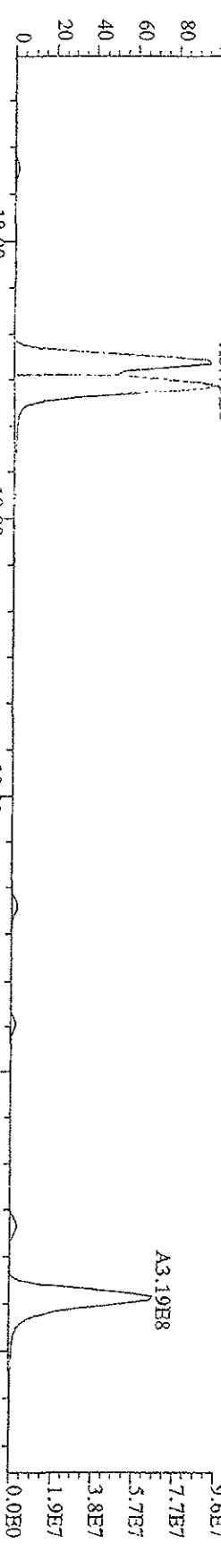
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltimaB  
Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
255.9613 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,6372.0,1.00%,F,T)



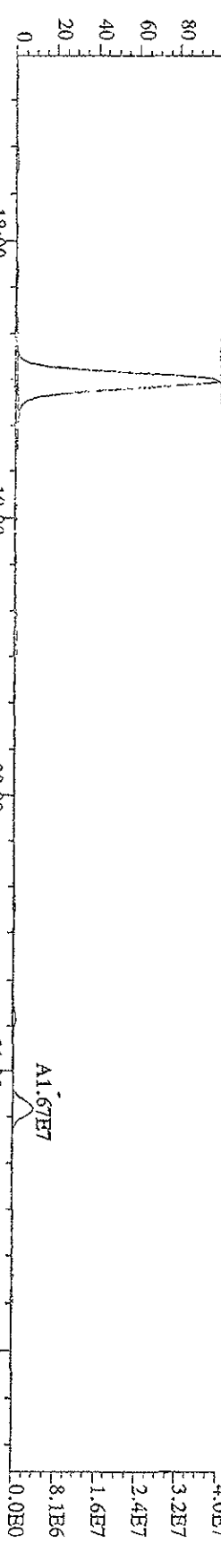
File:15IA09D9D5 #1-371 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 255.9613 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,19732.0,1.00%,F,T)  
 100%



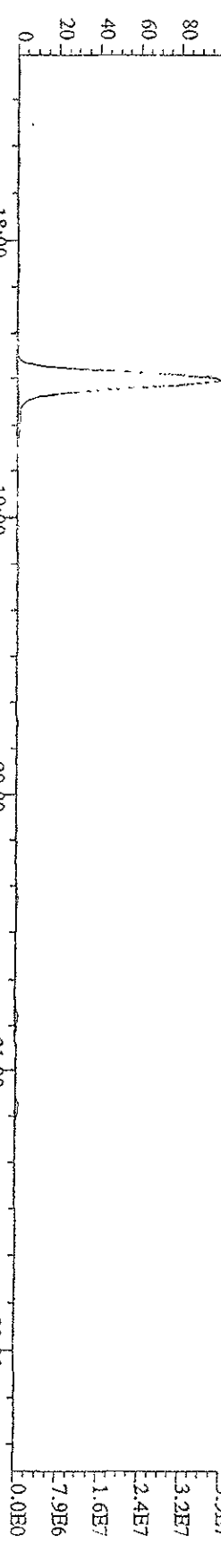
257.9584 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,16652.0,1.00%,F,T)  
 100%



268.0016 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,140580.0,1.00%,F,T)  
 100%

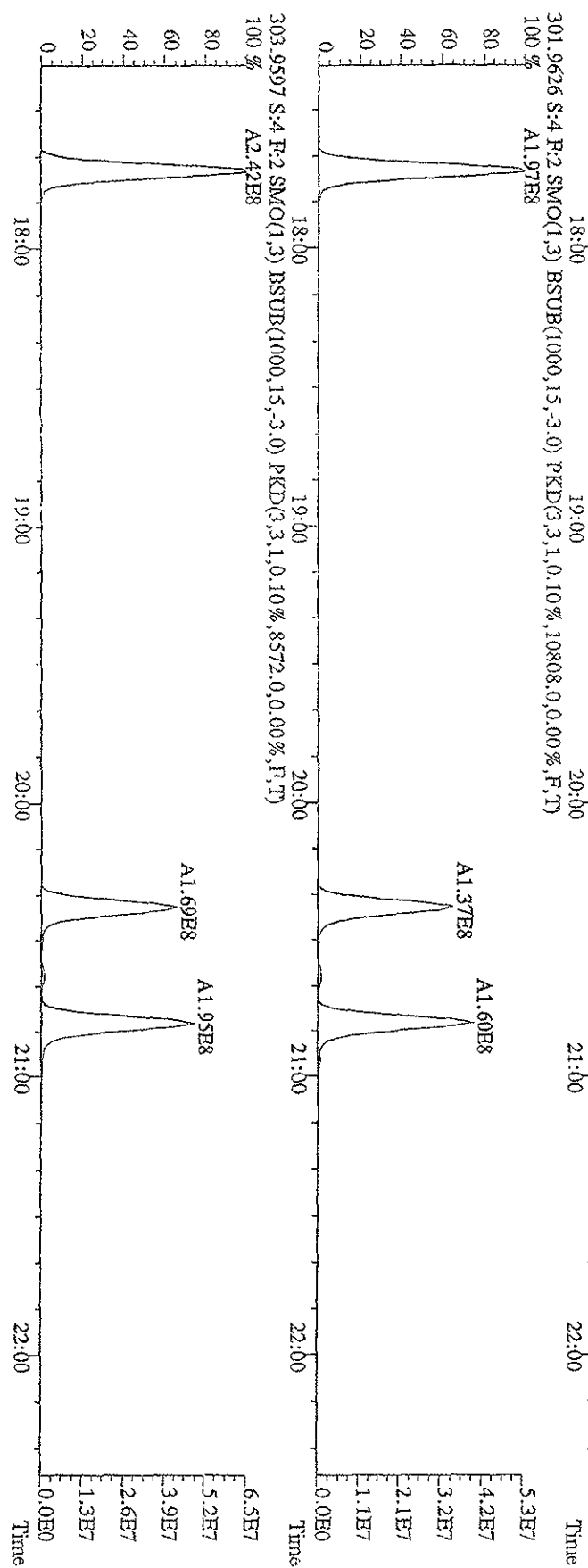
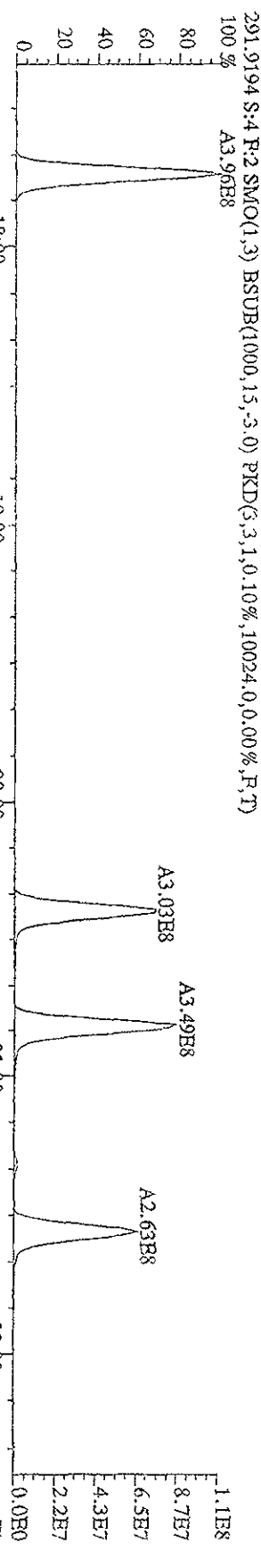
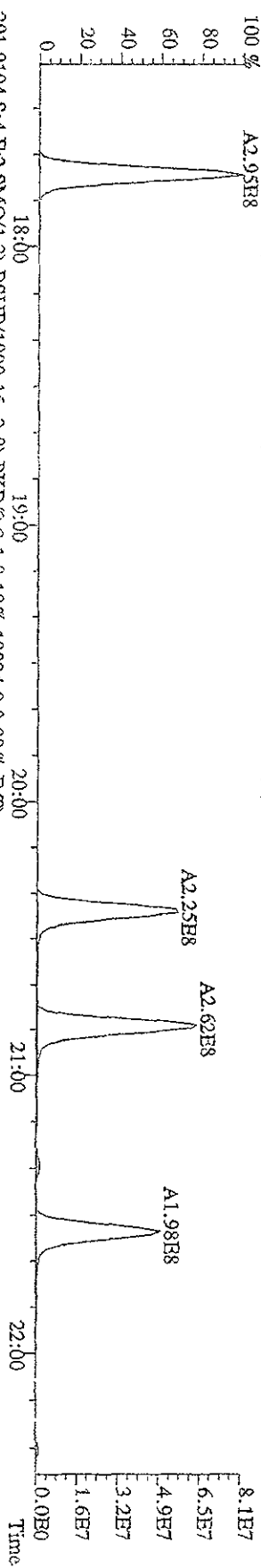


269.9986 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,92128.0,1.00%,F,T)  
 100%

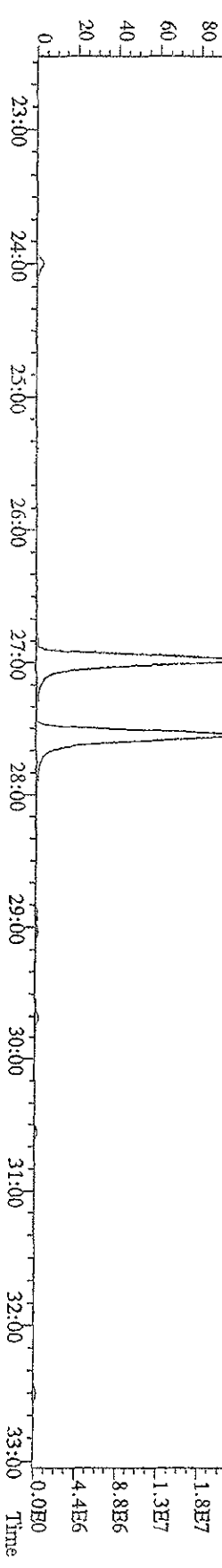
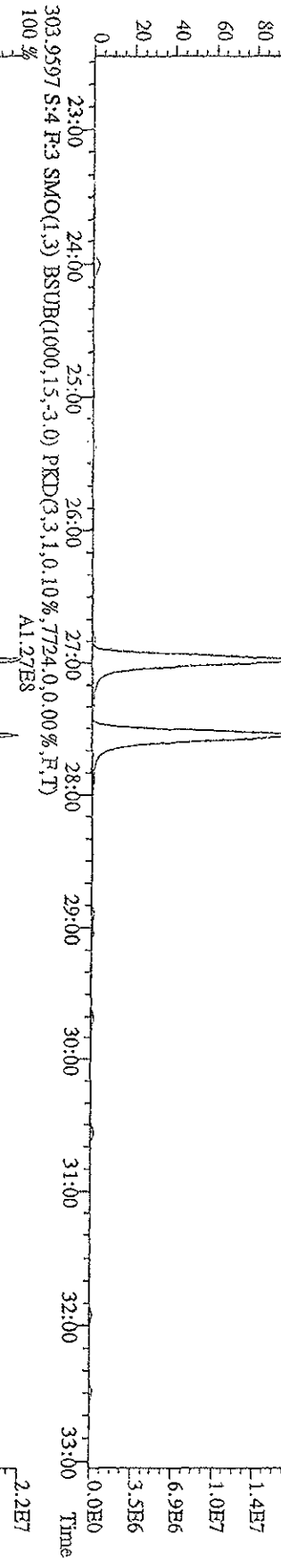
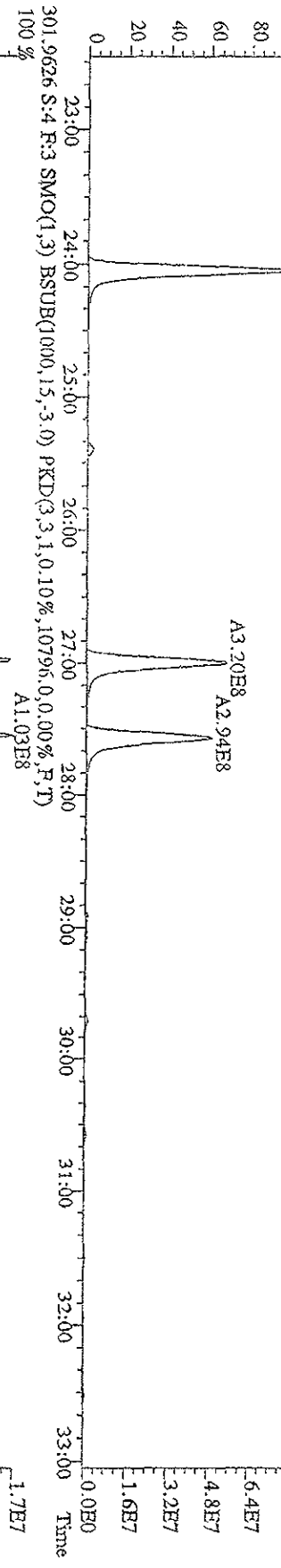
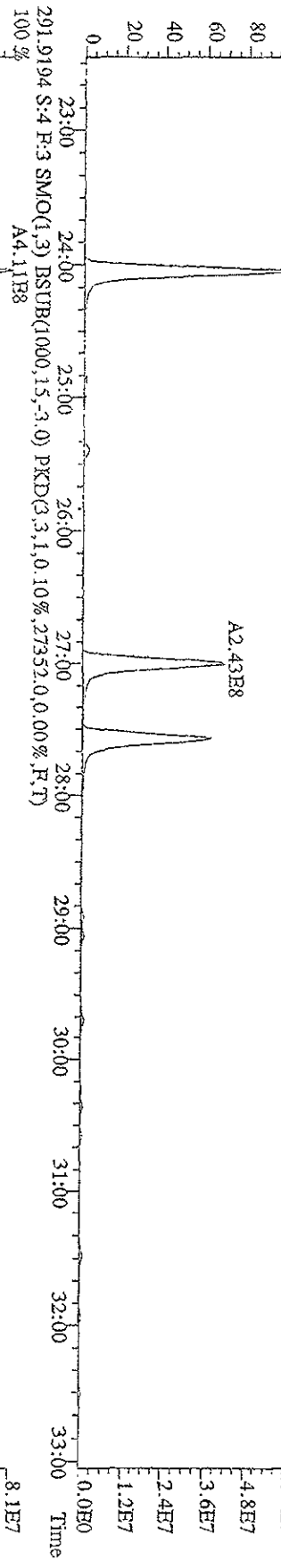


File:15JA09D9D5 #1-371 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate

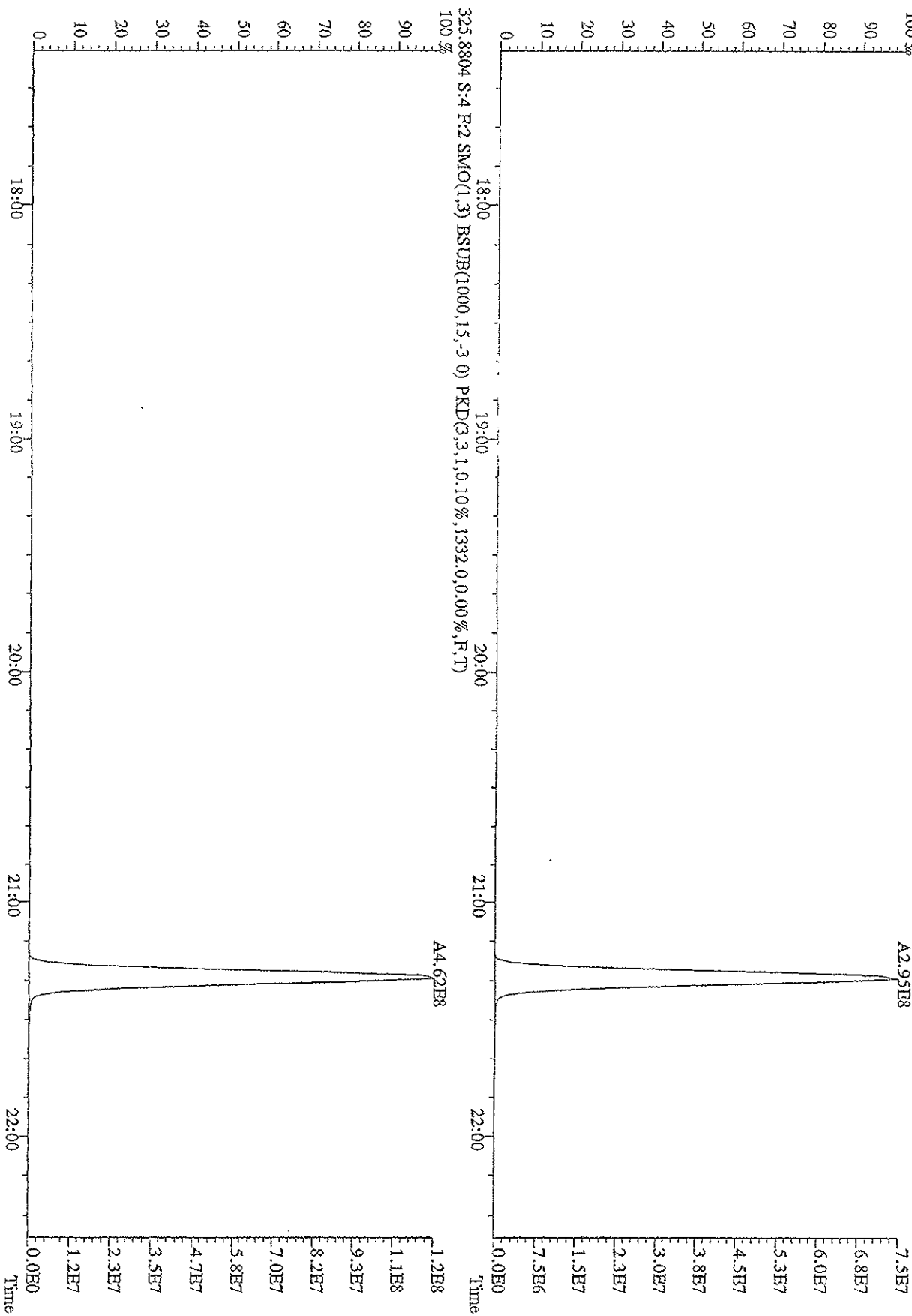
Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5



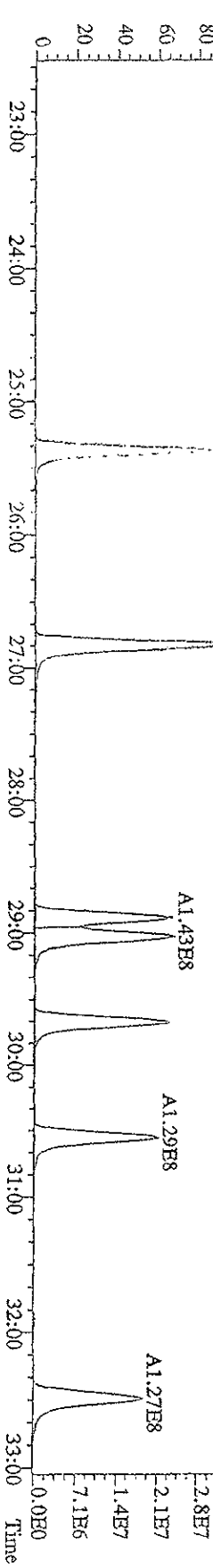
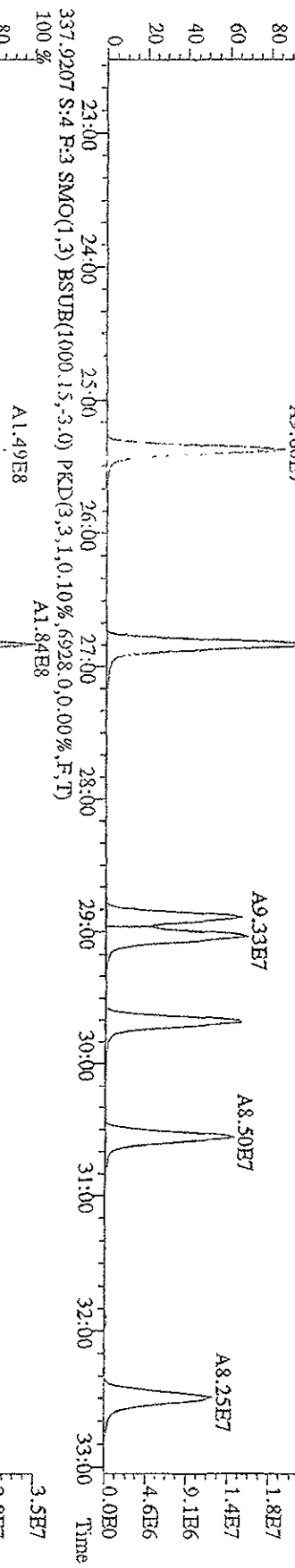
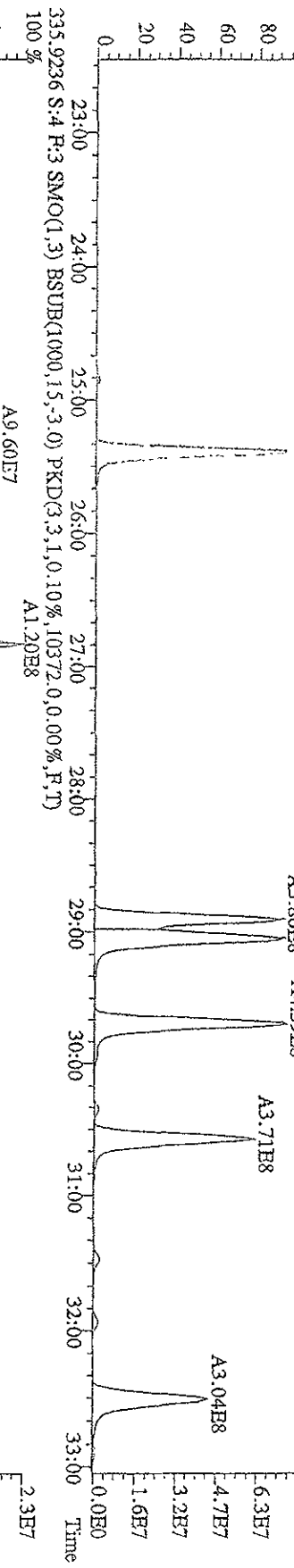
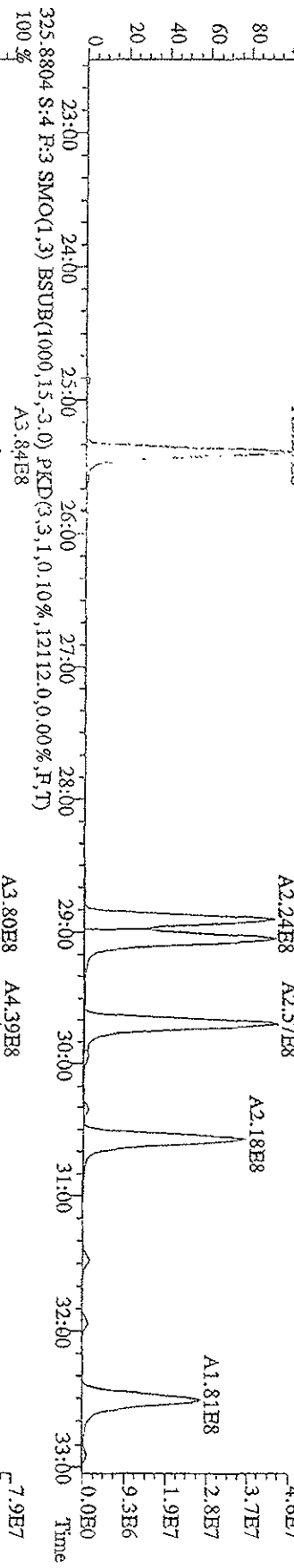
File:151A09D9D5 #1-597 Acq:15-JAN-2009 23:59:23 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9024,0,0,00%,F,T)  
 100%



File: 151A09DD9D5 #1-371 Acq: 15-JAN-2009 22:59:23 GC BI+ Voltage SIR Autospec-Ultimate  
Sample#4 Text: ST0115C :GS4 09DXN017 Exp: 209DB5  
323.8834 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1332,0,0,00%,F,T)  
100%

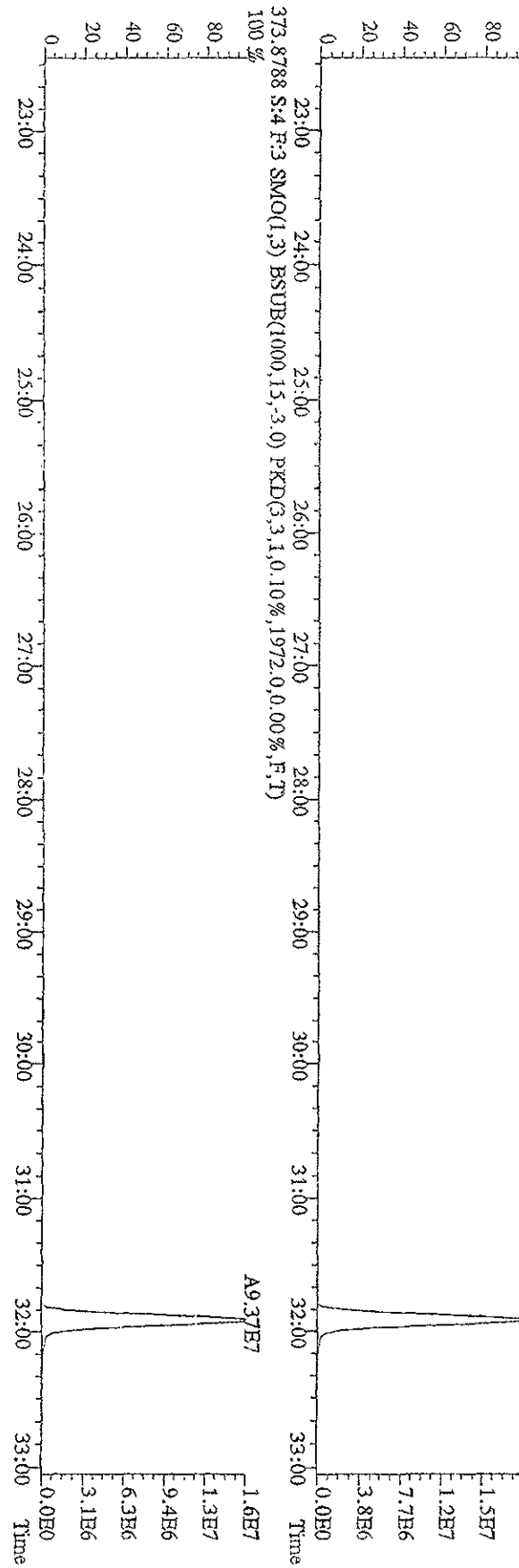
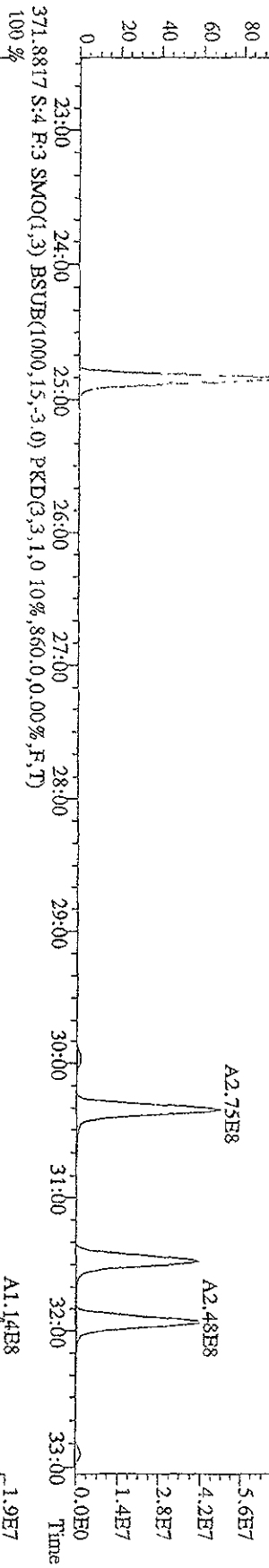
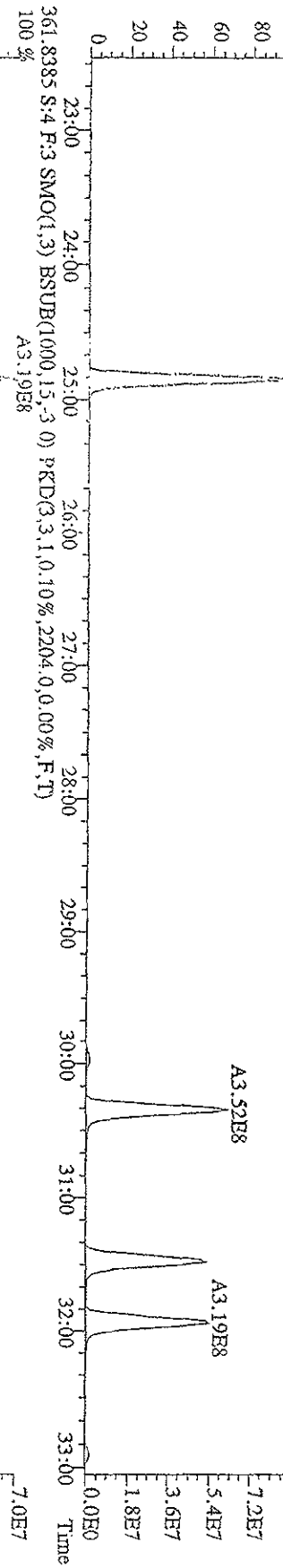


File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample #4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 323.8804 S:4 R:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5536,0,0,00%,F,T)  
 100%

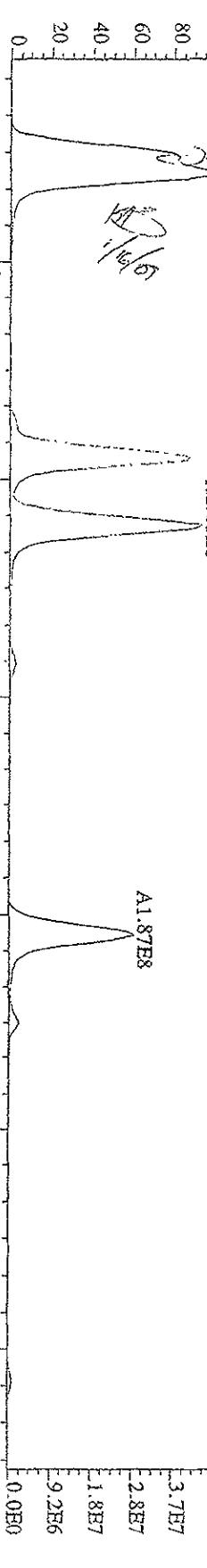




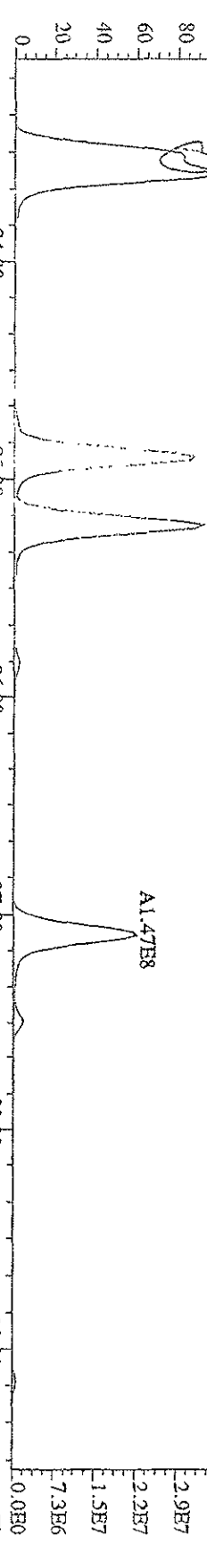
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 359.8415 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2204,0,0.00%,F,T)  
 100% A4.07E8



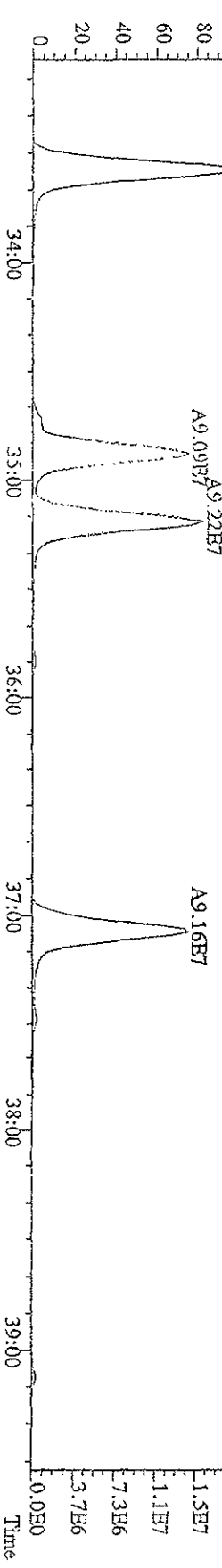
Title: 15JA09D9D5 #1-395 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage: SIR Autospec-Ultimate  
 Sample#4 Text: ST015C :CS4.09DXN017 Exp: 209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,27044,0,0,00%,F,T)  
 100%



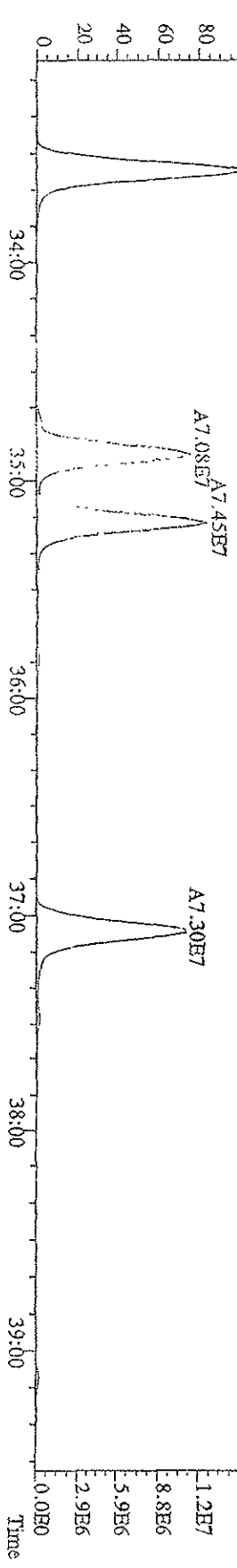
361.8385 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,21820,0,0,00%,F,T)  
 100%



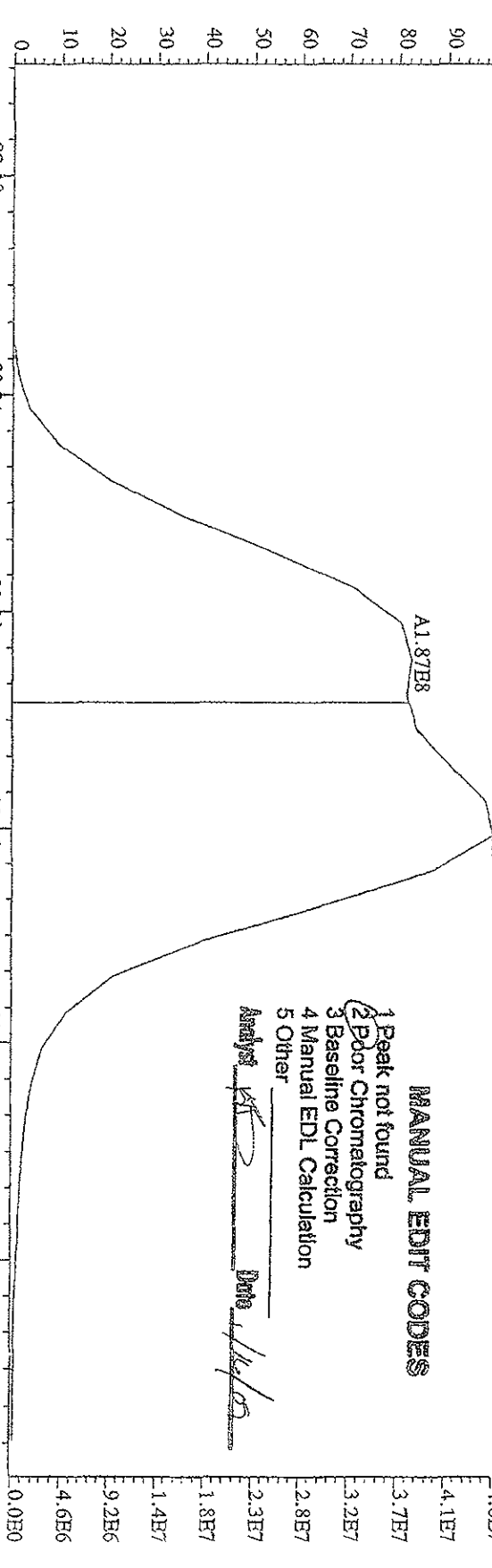
371.8817 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,7044,0,0,00%,F,T)  
 100%



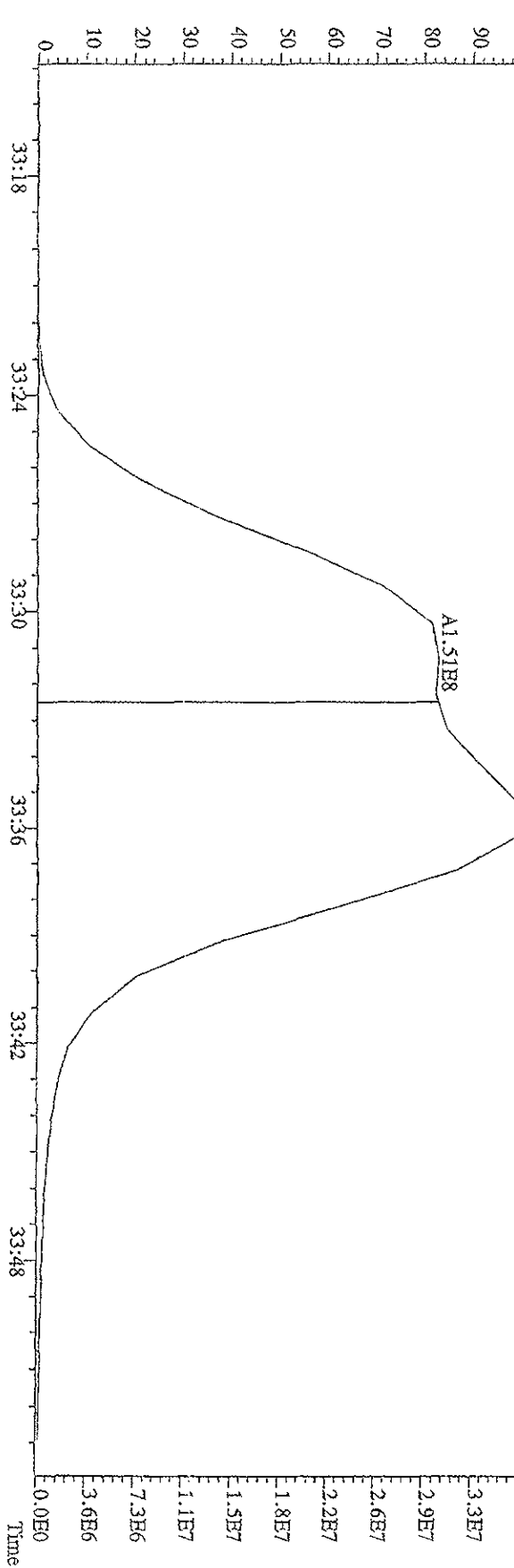
373.8788 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,7548,0,0,00%,F,T)  
 100%



File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,27044,0,0,00%,F,T)  
 100 %

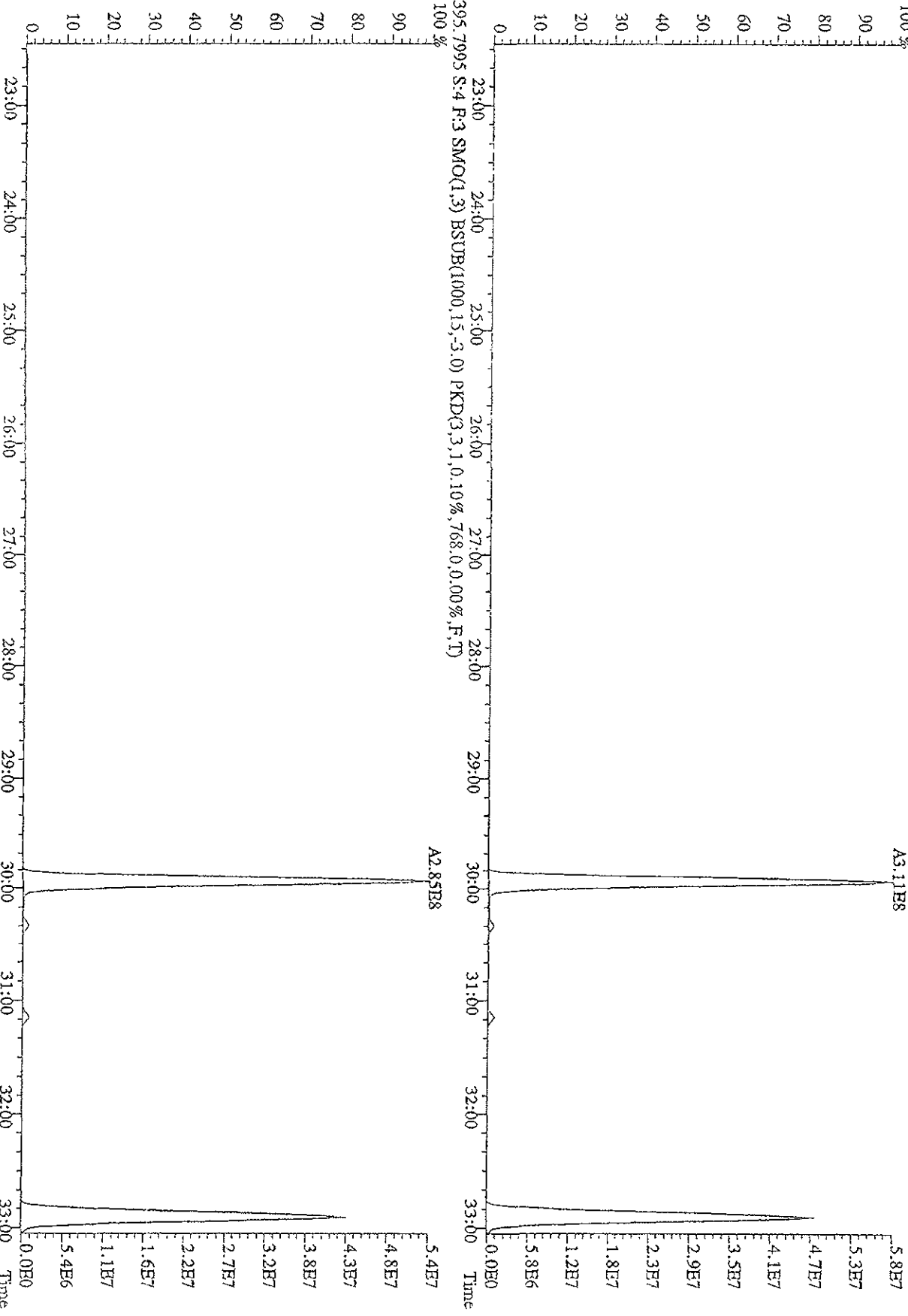


361.8385 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,21820,0,0,00%,F,T)  
 100 %

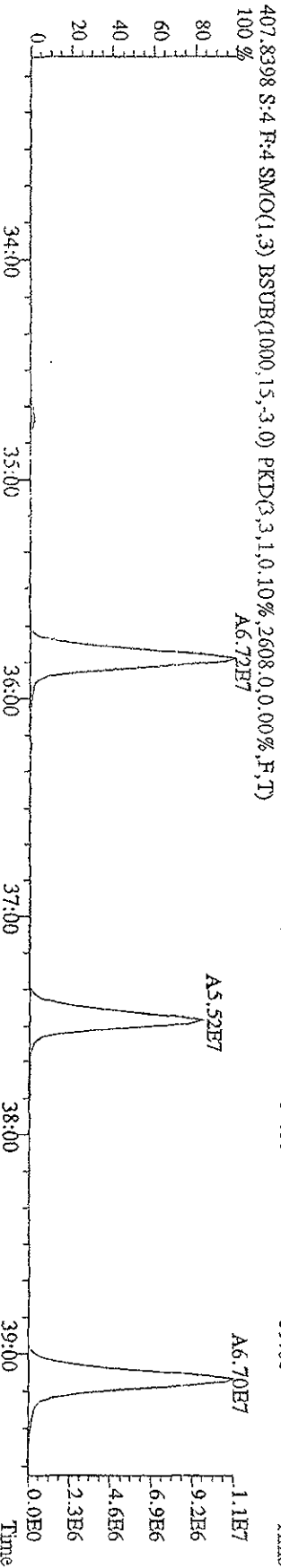
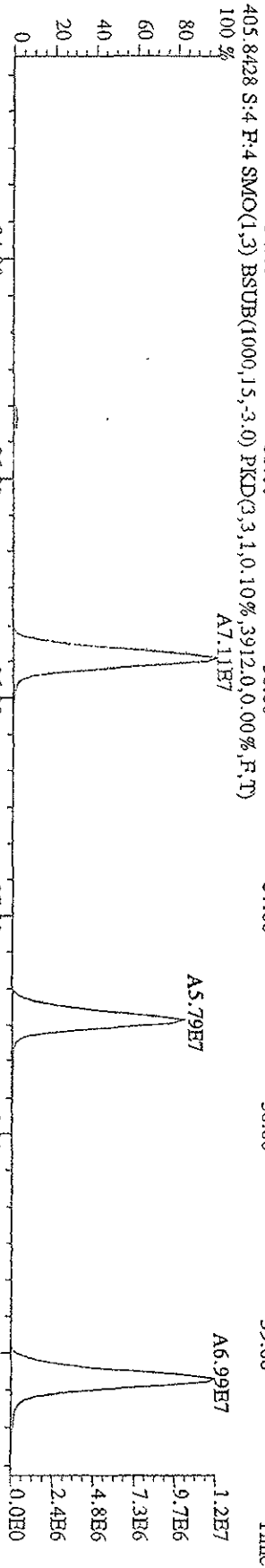
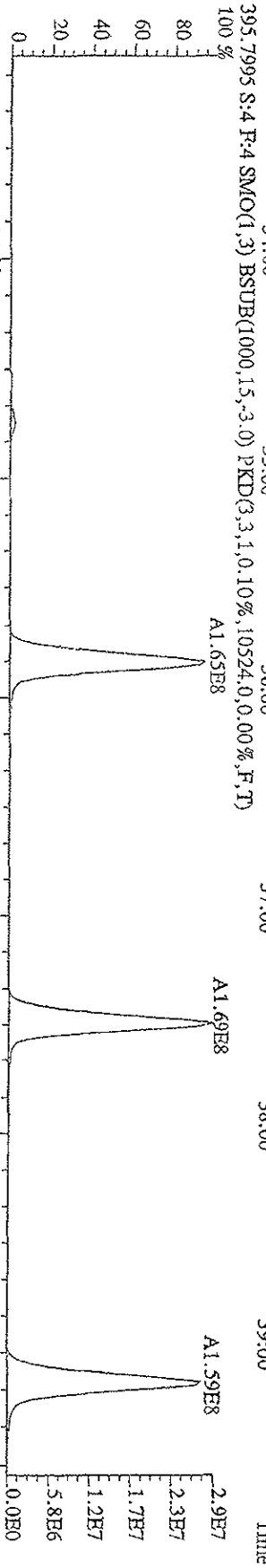
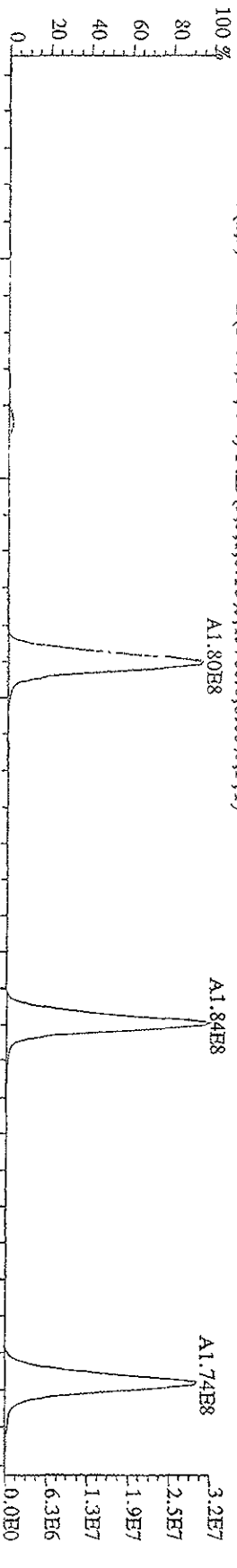


**MANUAL EDIT CODES**  
 1 Peak not found  
 2 Poor Chromatography  
 3 Baseline Correction  
 4 Manual EDL Calculation  
 5 Other  
 Analyst AK Date 1/16/09

File: J51A09D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC RI+ Voltage: SIR Atmospec-UHimat  
 Sample#4 Text: ST015C :CS4 09DXN017 Exp: 209DB5  
 393.8025 S:4 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4776,0,0,00%,F,T) 100%



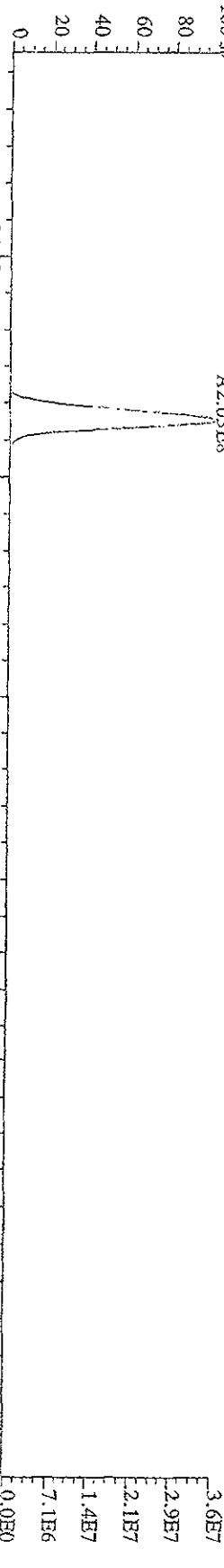
File:151A09DD9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimah  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 395.7995 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,13760,0,0,00%,F,T)



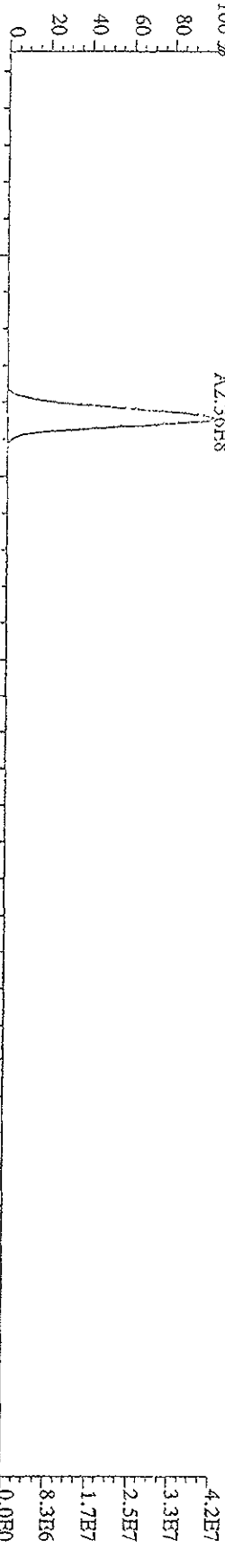
File: 151A09DD05 #1-395 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltimaB

Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5

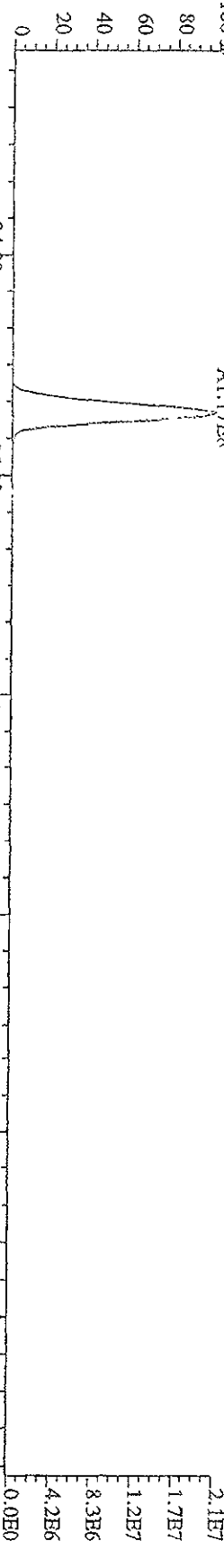
429.7635 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1364.0,0.00%,F,T)



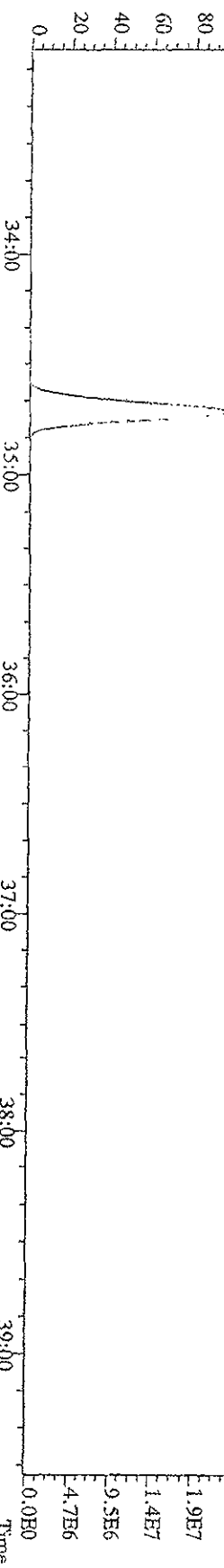
429.7606 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1636.0,0.00%,F,T)



439.8038 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,884.0,0.00%,F,T)

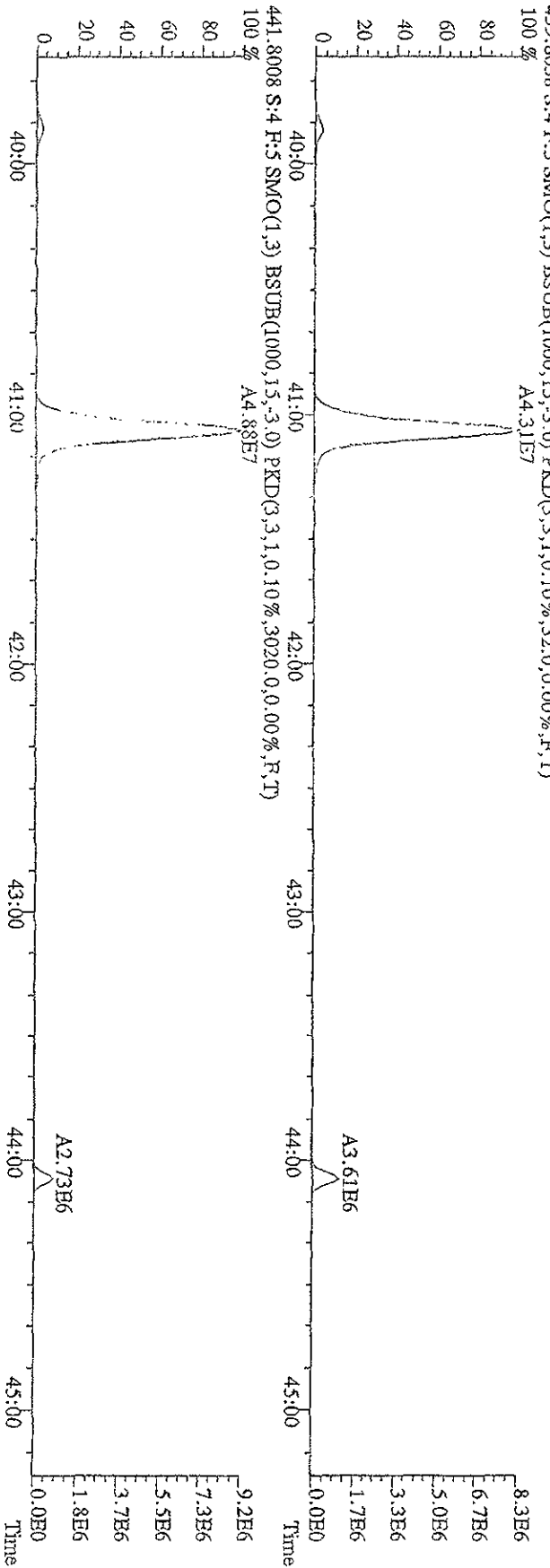
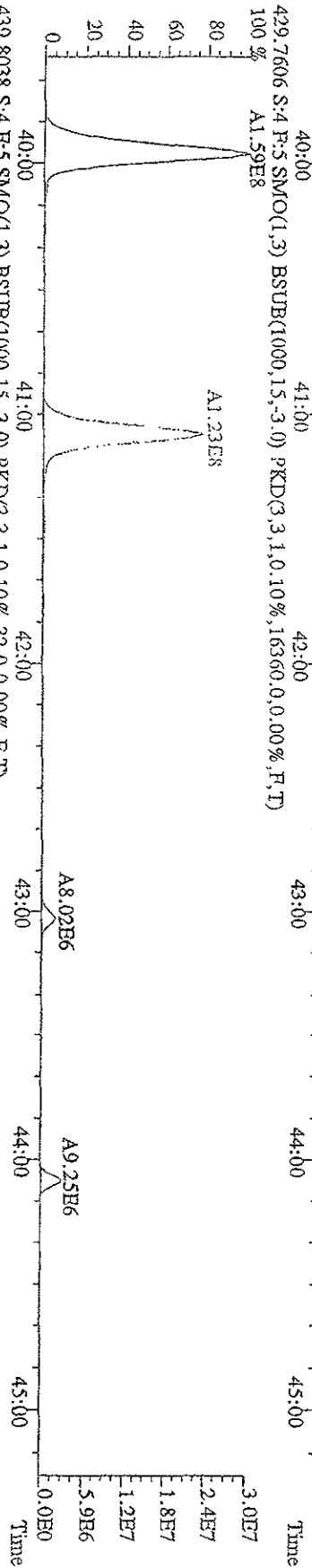
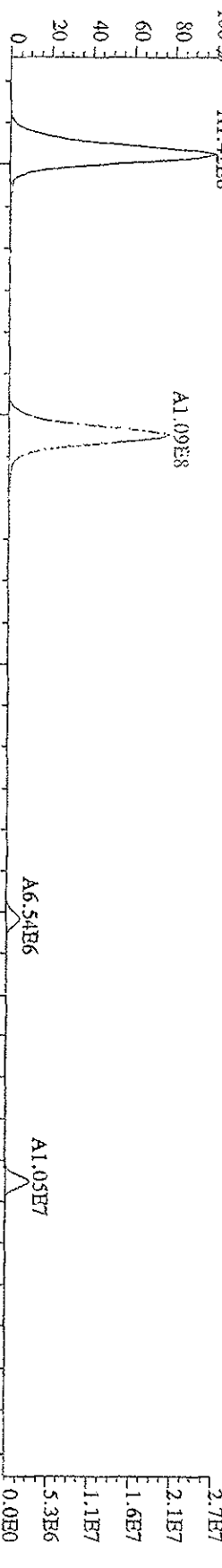


441.8008 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1112.0,0.00%,F,T)



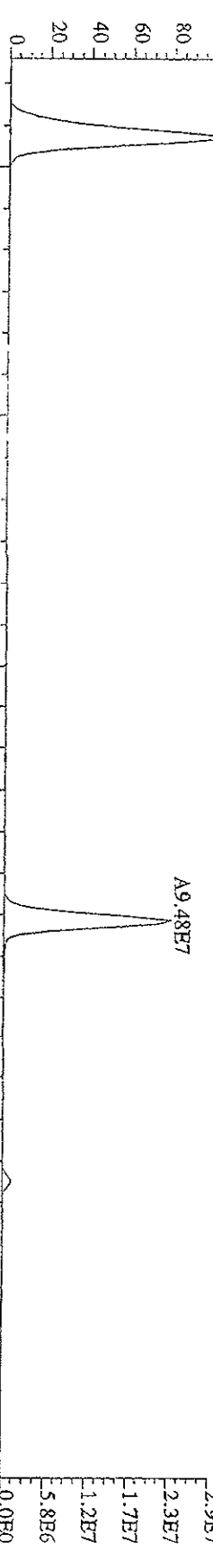
File:151A09DD9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate

Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5

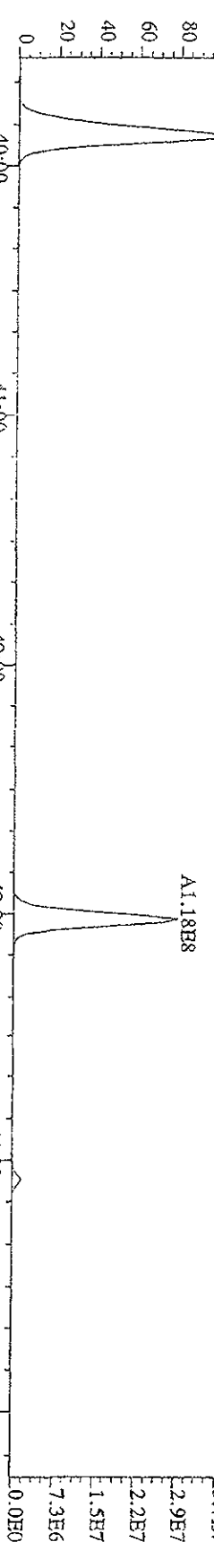


Title: 15JA09D9D5 #1-378 Acq: 15-JAN-2009 22:59:23 GC: EI + Voltage: SIR Autospec-Ultimate  
 Sample #4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5

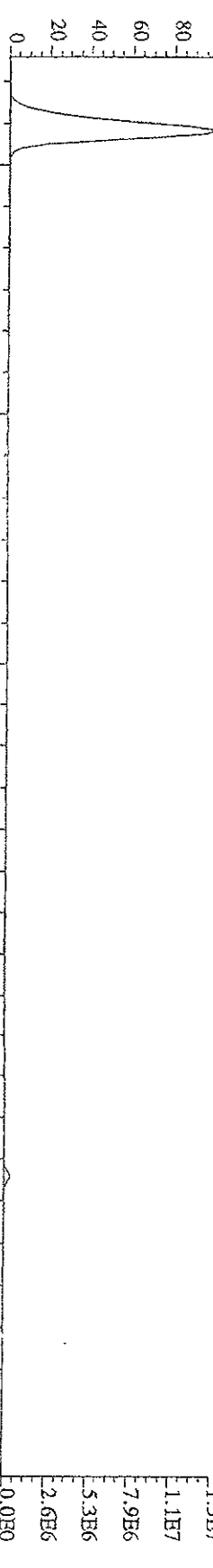
461.7245 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1952,0,0,00%,F,T) 100%



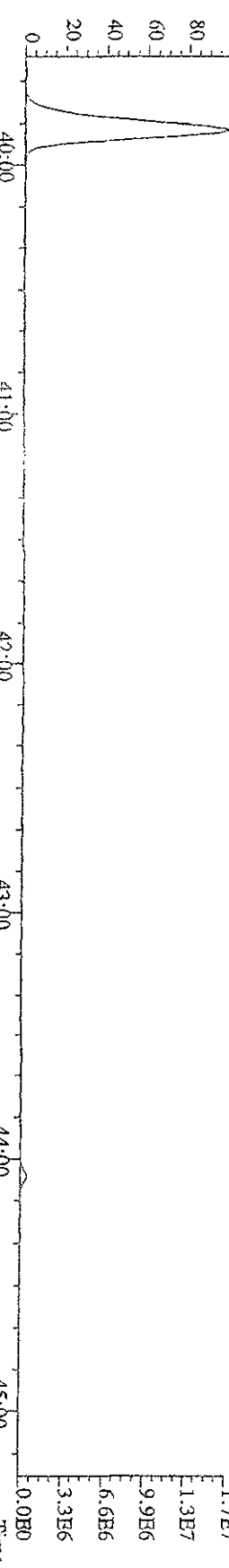
463.7216 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2048,0,0,00%,F,T) 100%



473.7648 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,536,0,0,00%,F,T) 100%

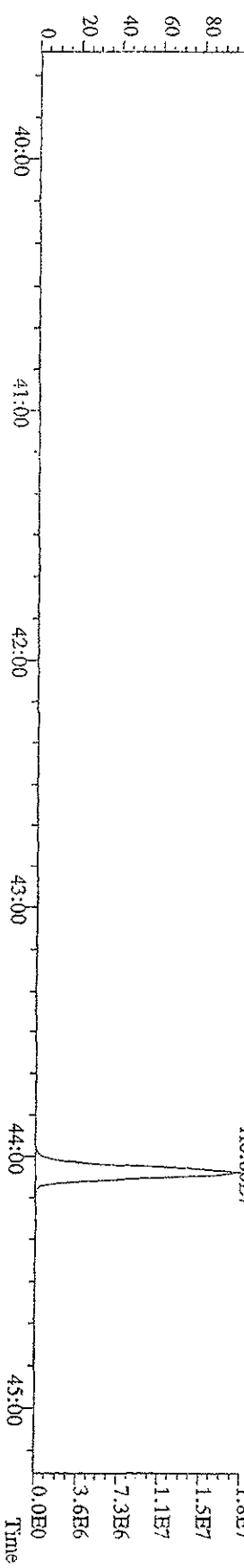
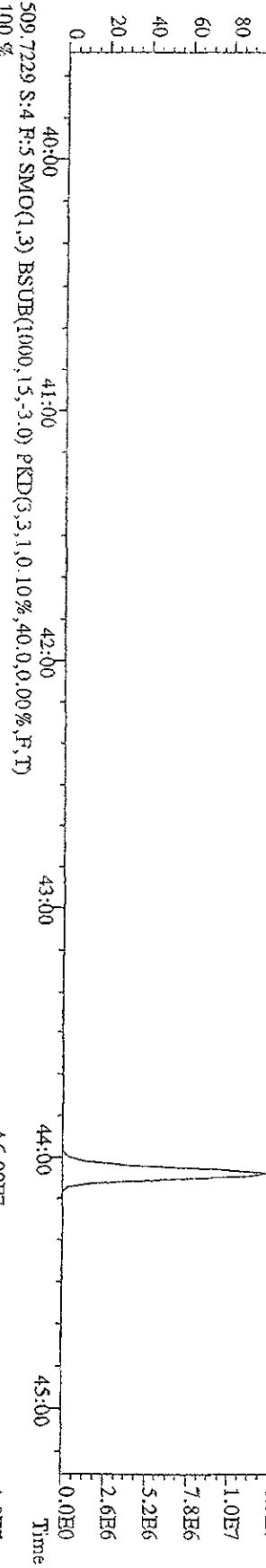
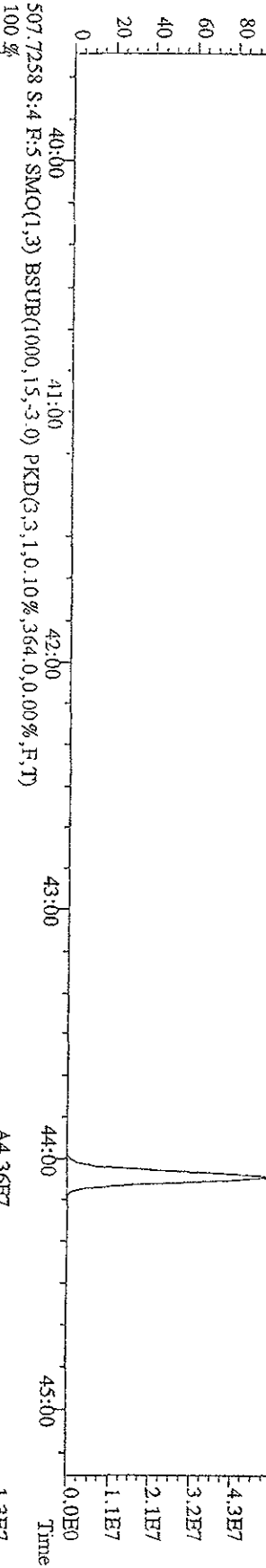
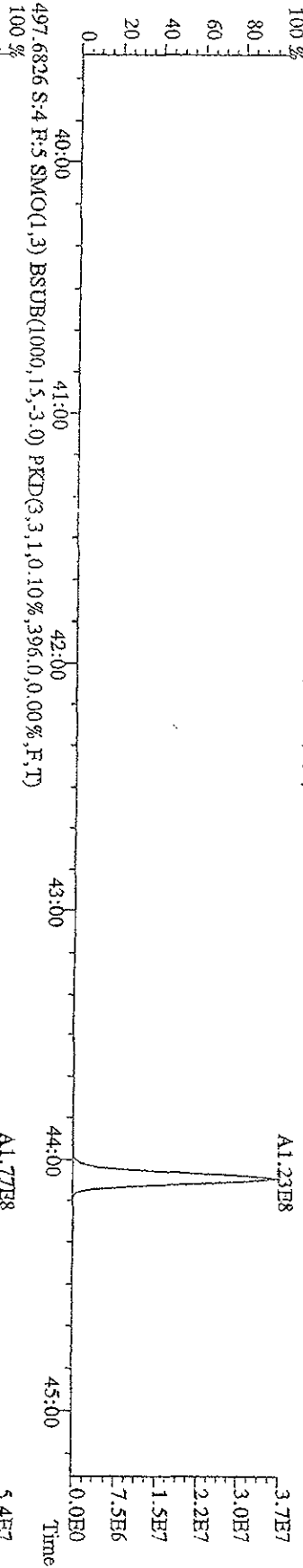


475.7619 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,676,0,0,00%,F,T) 100%

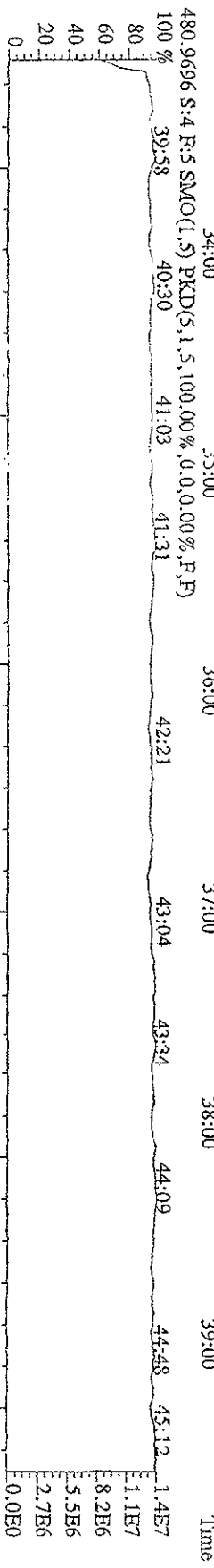
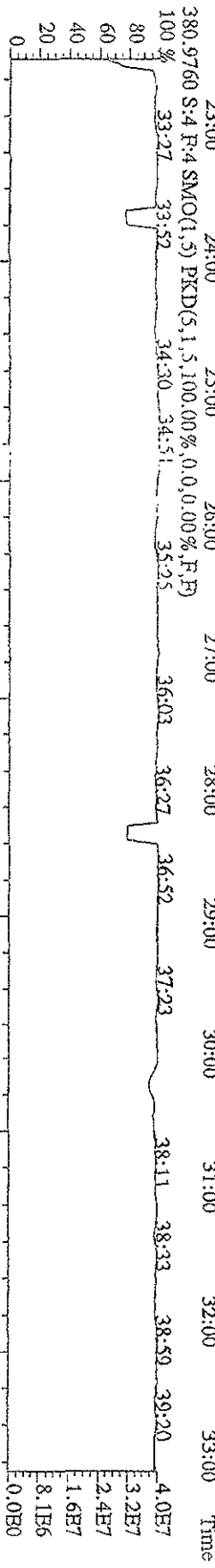
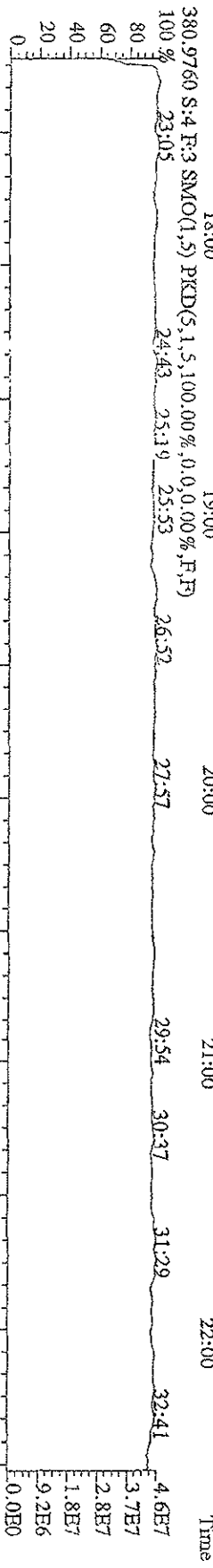
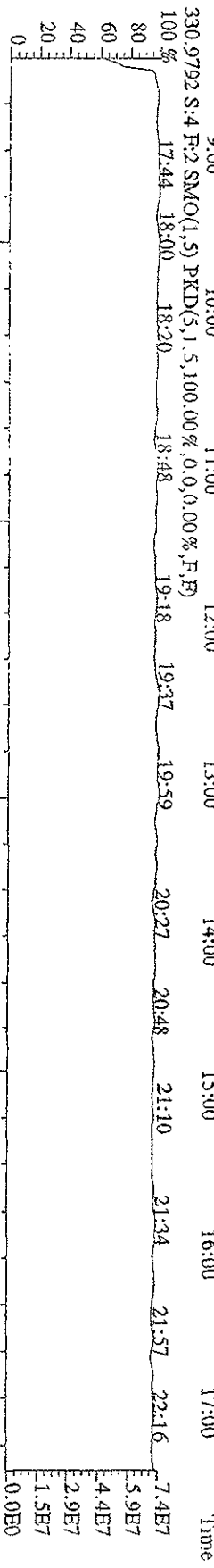
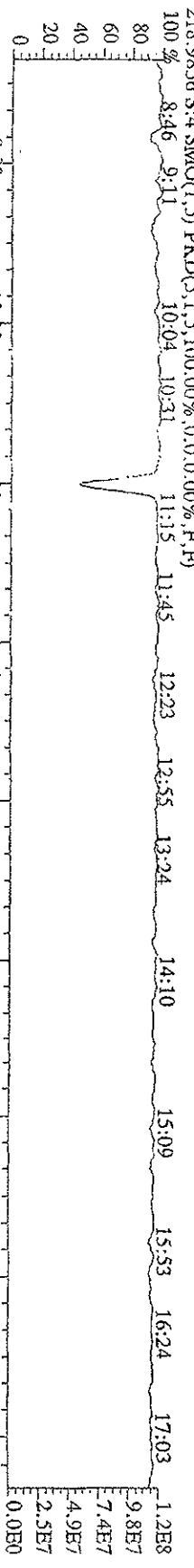




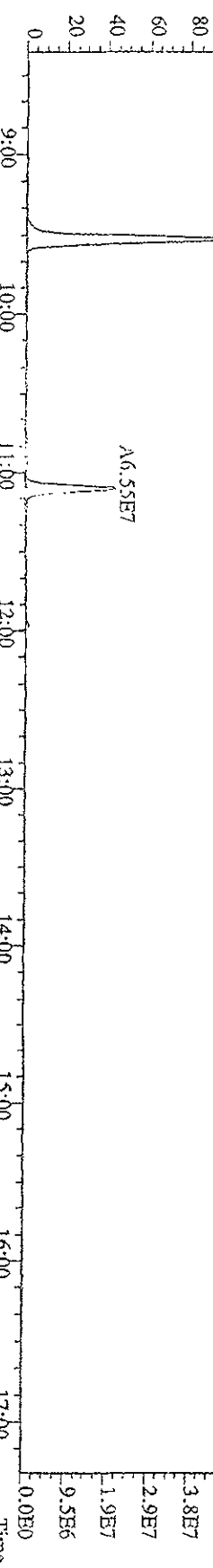
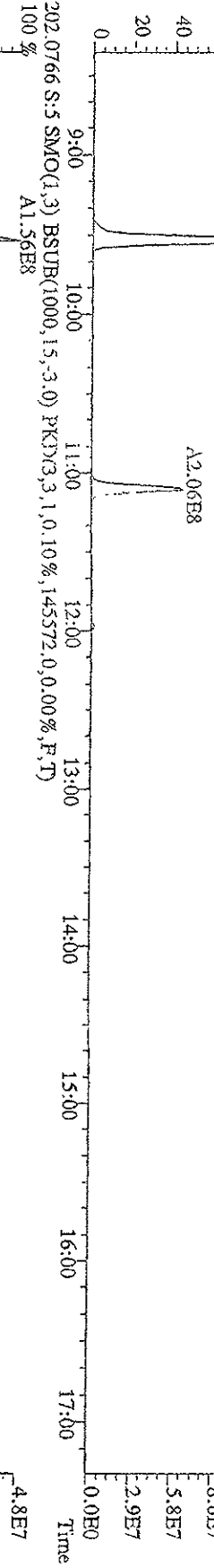
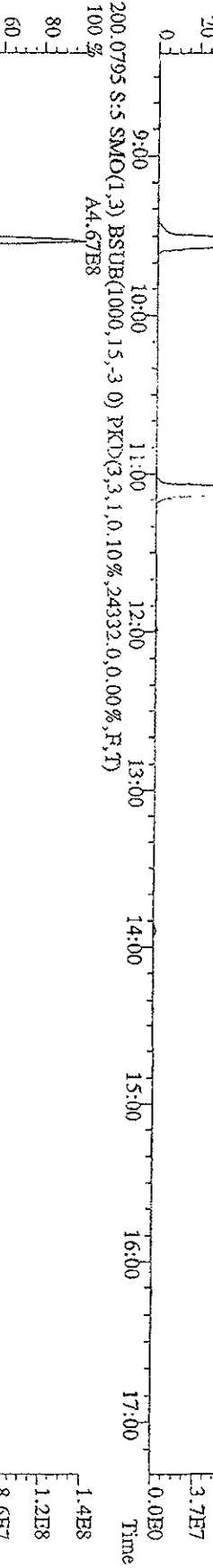
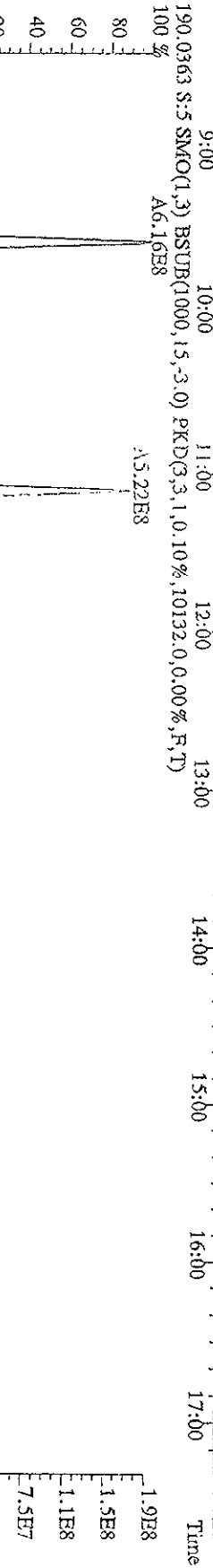
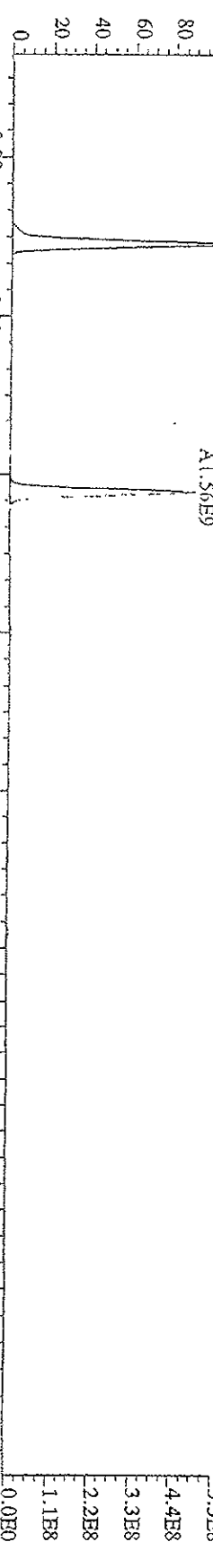
File:151A09DD9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 495.6826 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,408.0,0.00%,F,T)



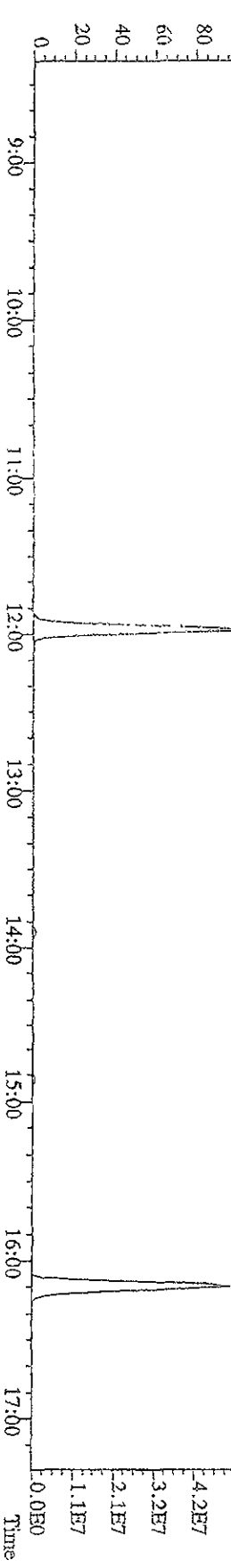
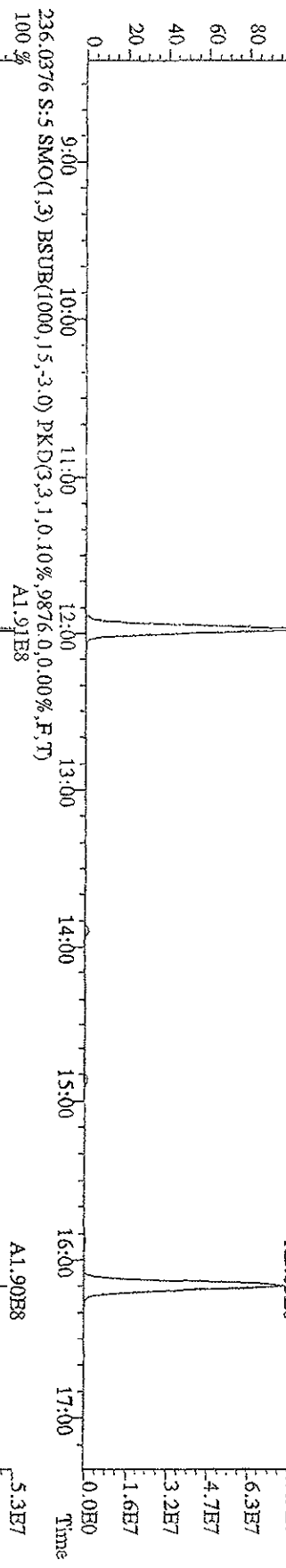
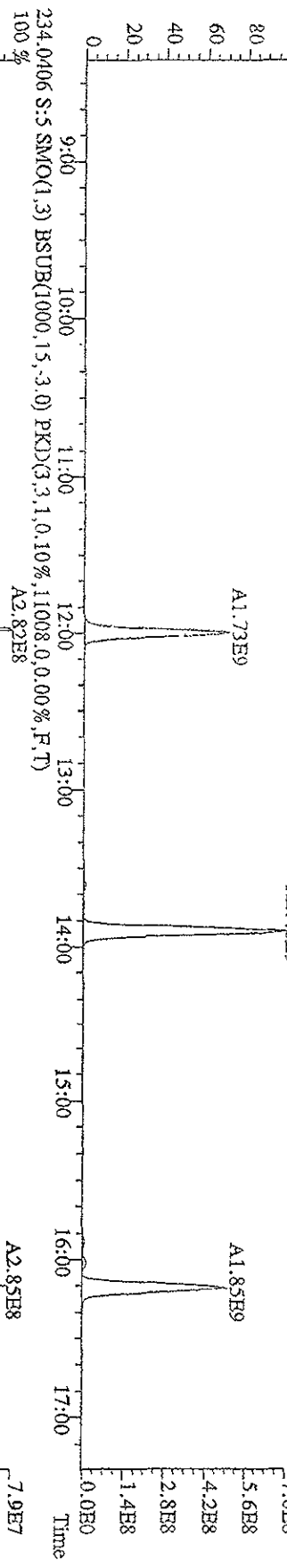
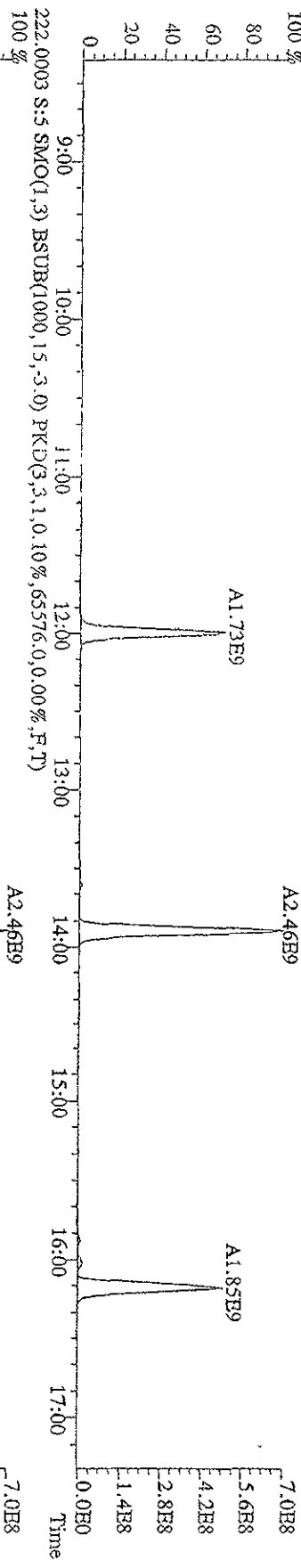
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5



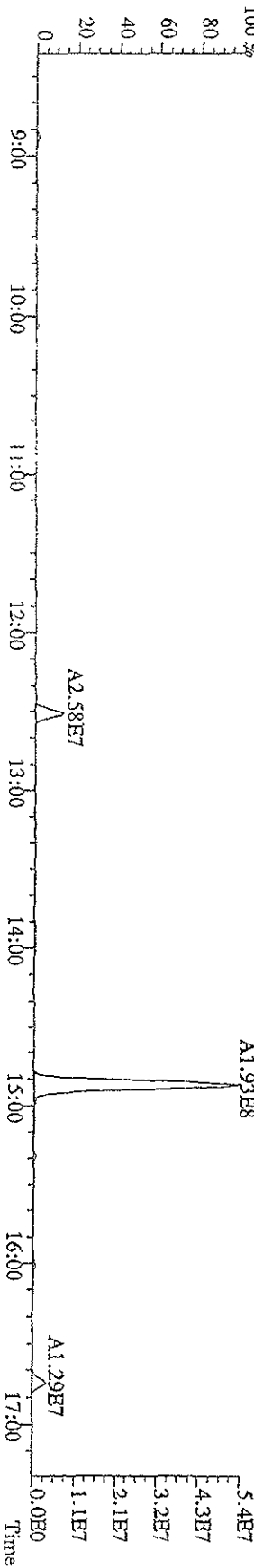
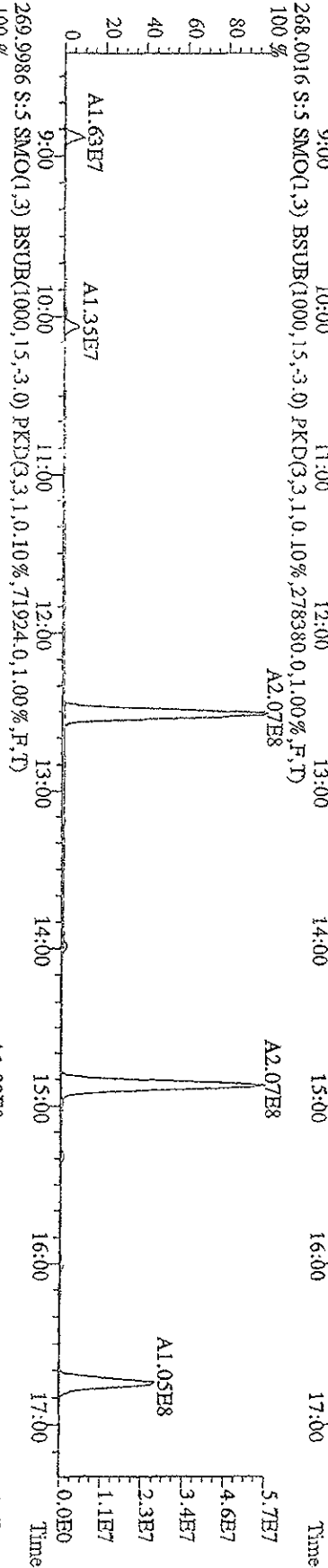
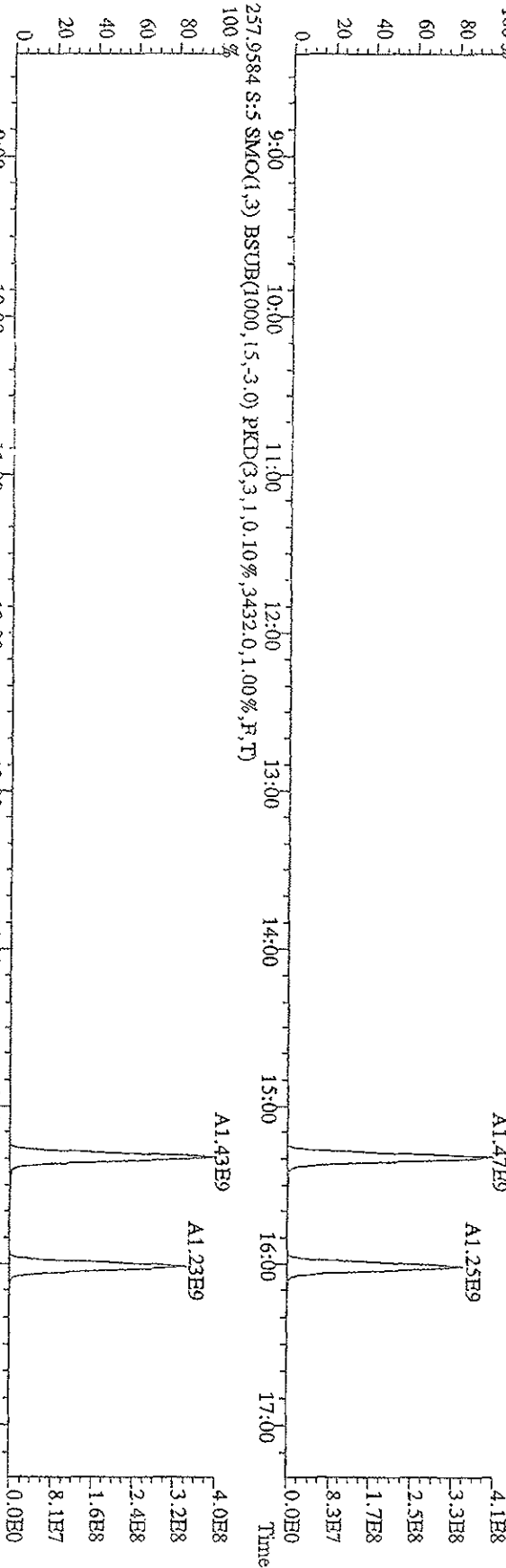
File: 151A09DD9D5 #1-609 Acq: 15-JAN-2009 23:50 45 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#5 Text: ST0115D :CSS 09DXN018 Exp: 209DB5  
 188.0393 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,20796,0,0,00%,F,T)  
 100% A1.85E9



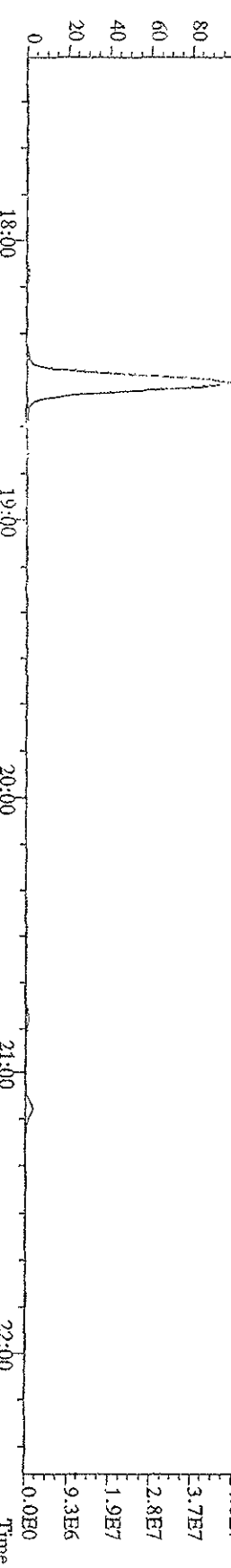
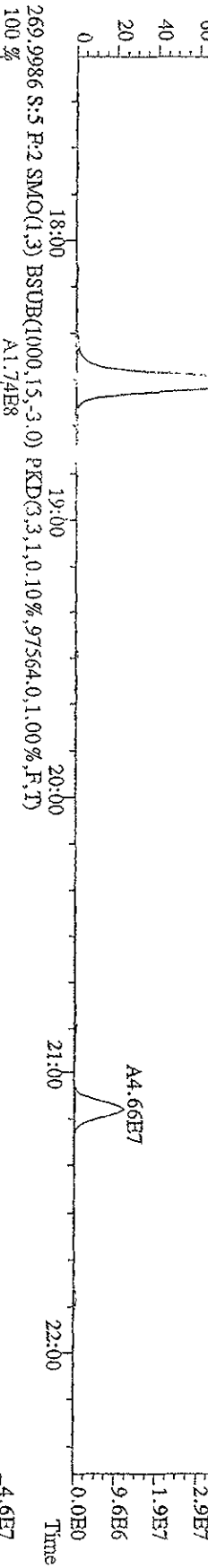
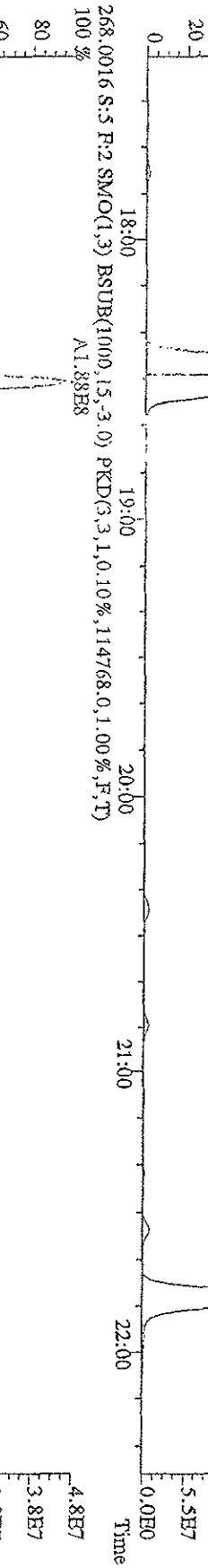
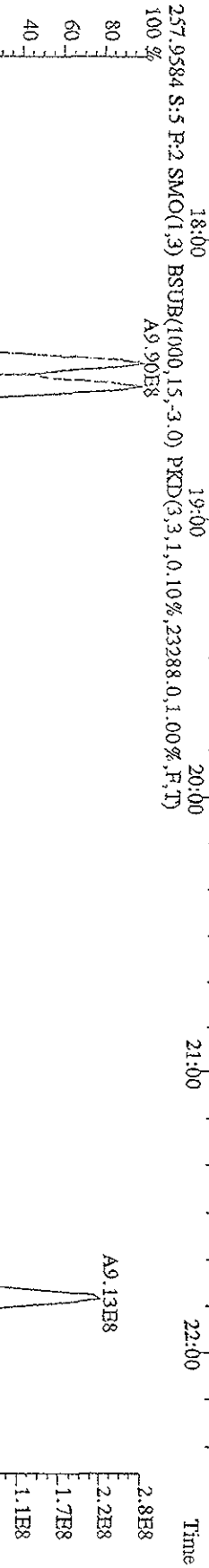
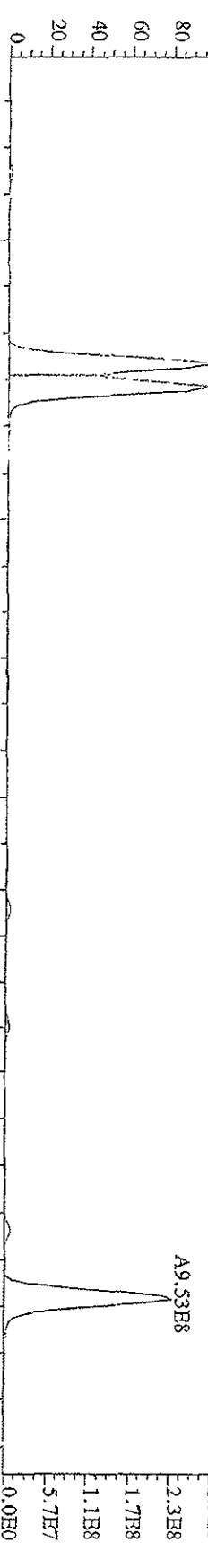
Title: 15TA09D9D5 #1-609 Acq:15-JAN-2009 23:59:45 GC BI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: S10115D :CS5 09DXN018 Exp:209DB5  
 222.0003 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,65576.0,0.00%,F,T)



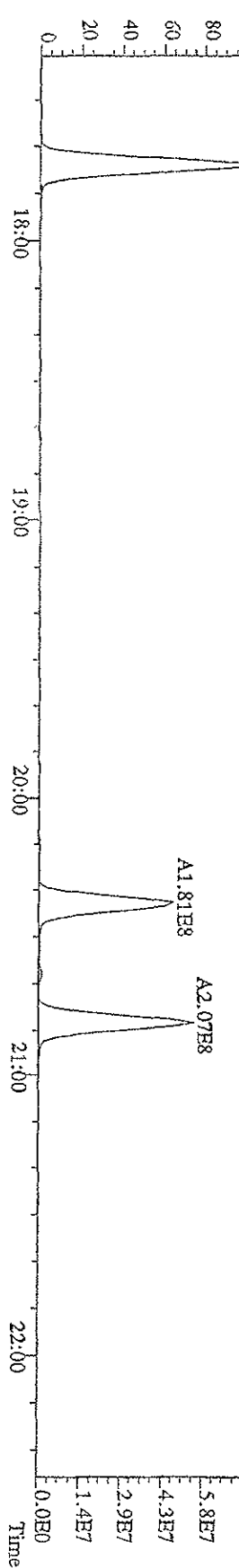
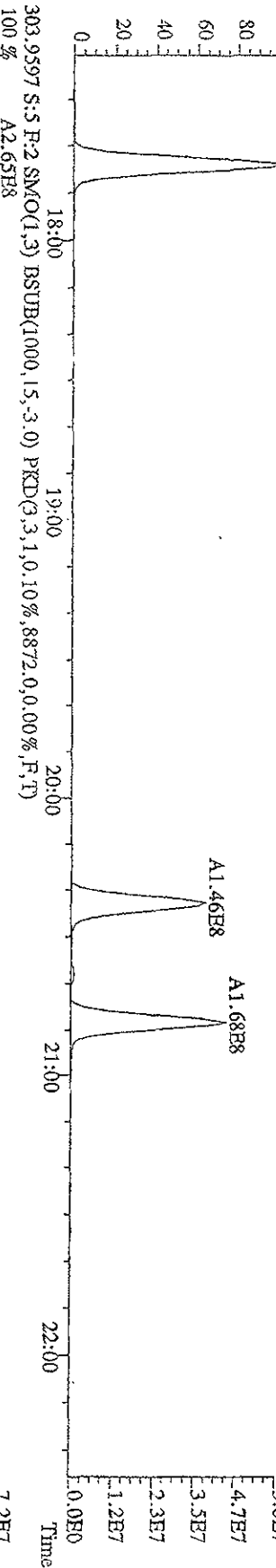
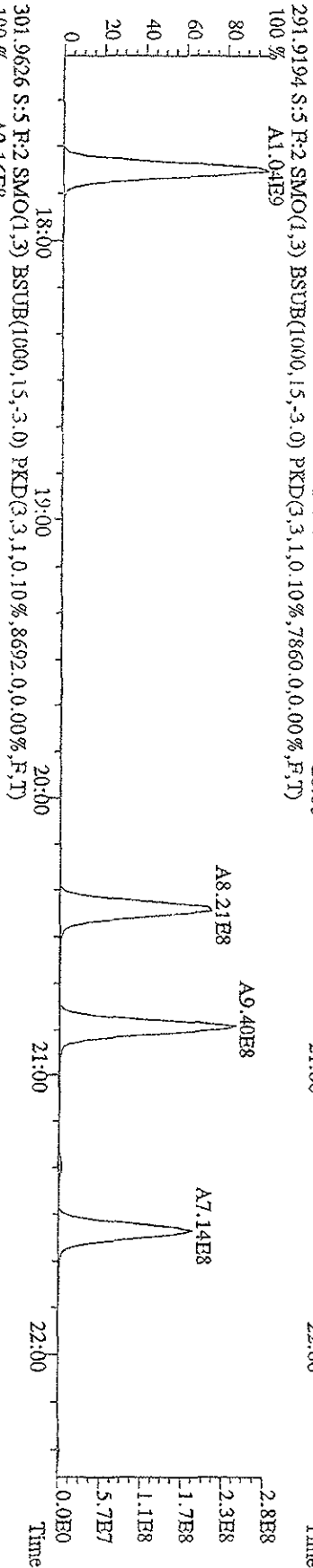
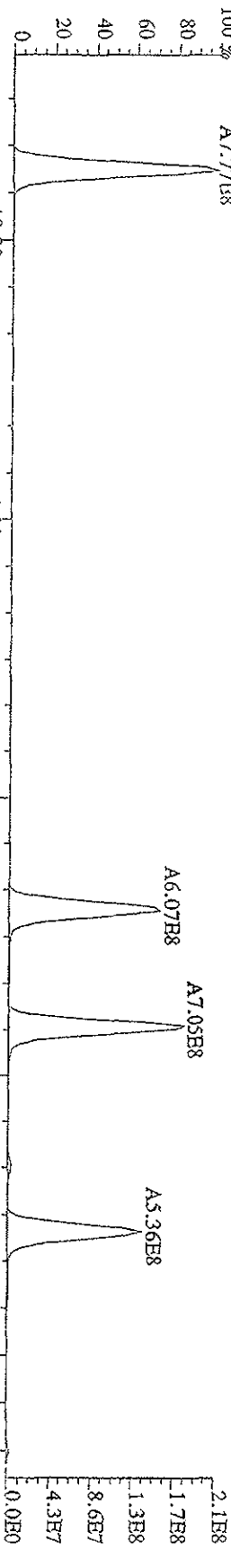
File: 151A09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 257.9584 S:5 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1.0,10%,3432.0,1.00%,F,T)  
 100%



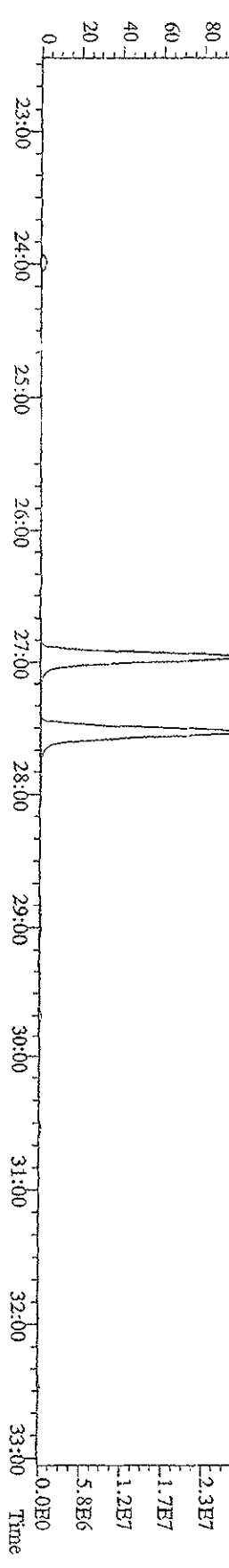
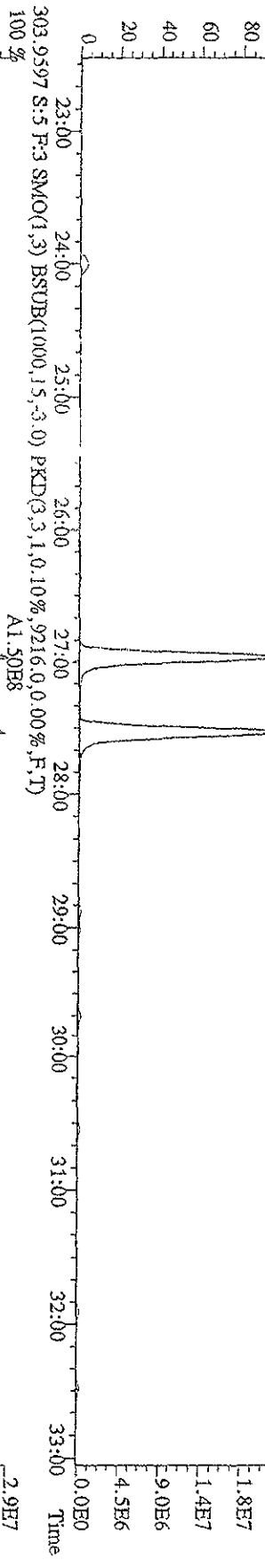
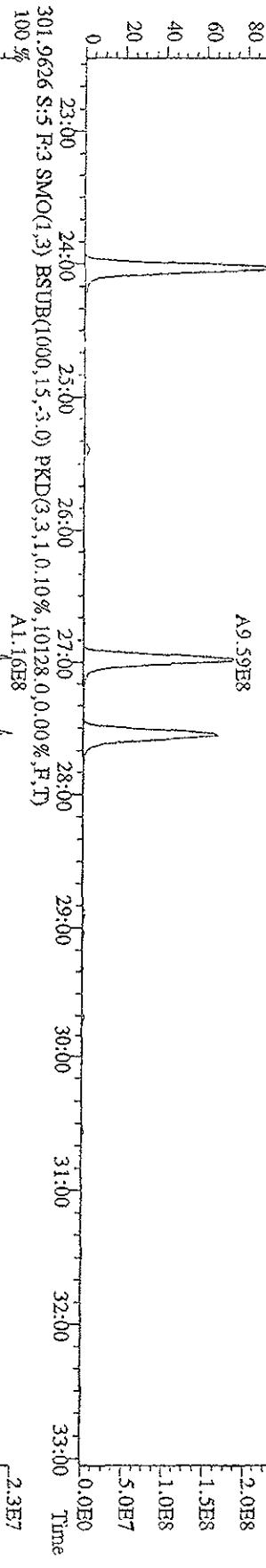
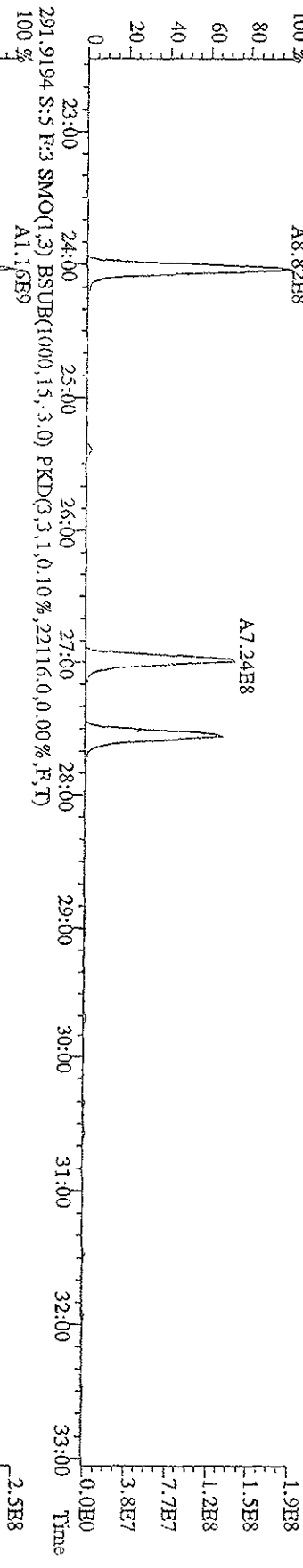
File: 151A09D9D5 #1-371 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage: S1R Autospec-Ultimate  
 Sample#5 Text:ST011SD :CS5 09DXN018 Exp:209DB5  
 255.9613 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,30152.0,1.00%,F,T)



File: 151A09DD9D5 #1: 371 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 289.9224 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6504,0,0,00%,F,T)  
 100% A7.77E8

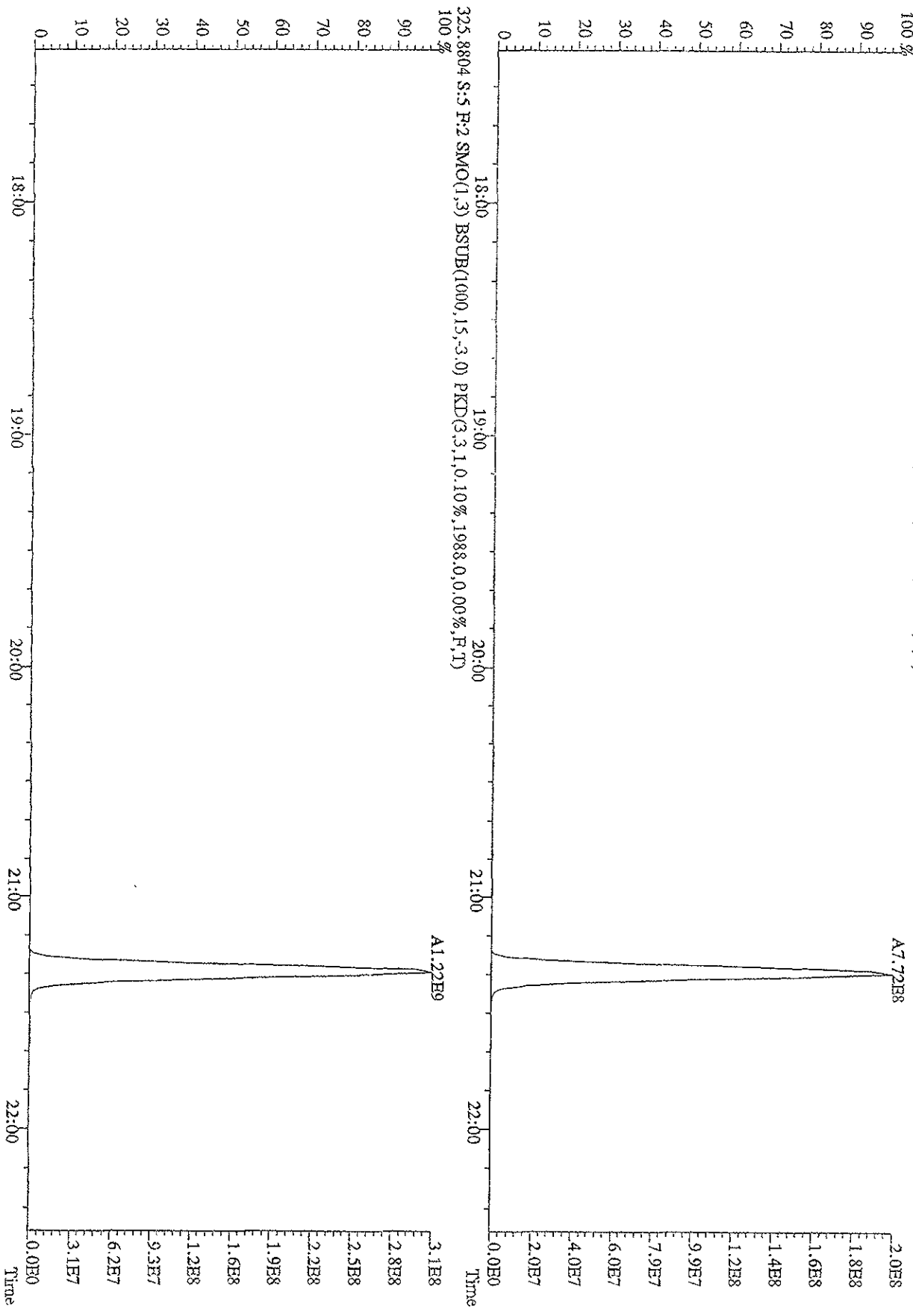


File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST0115D :CSS 09DXN018 Exp: 209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,17240,0,0,00%,F,T)  
 100% A8.82E8

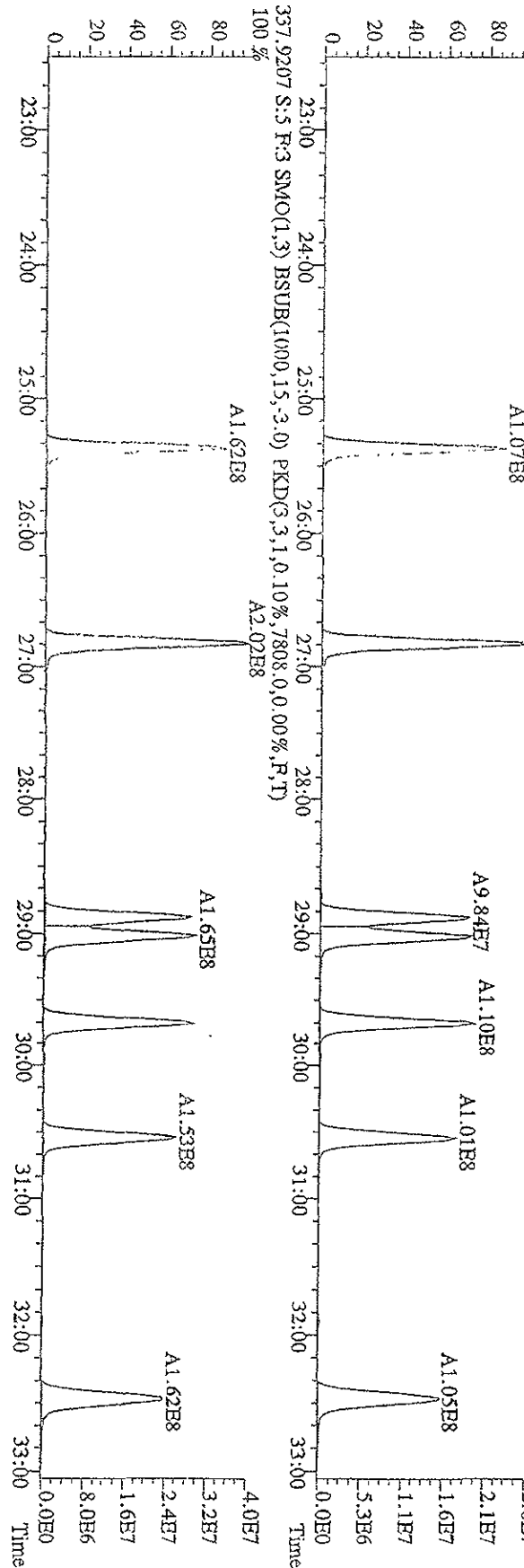
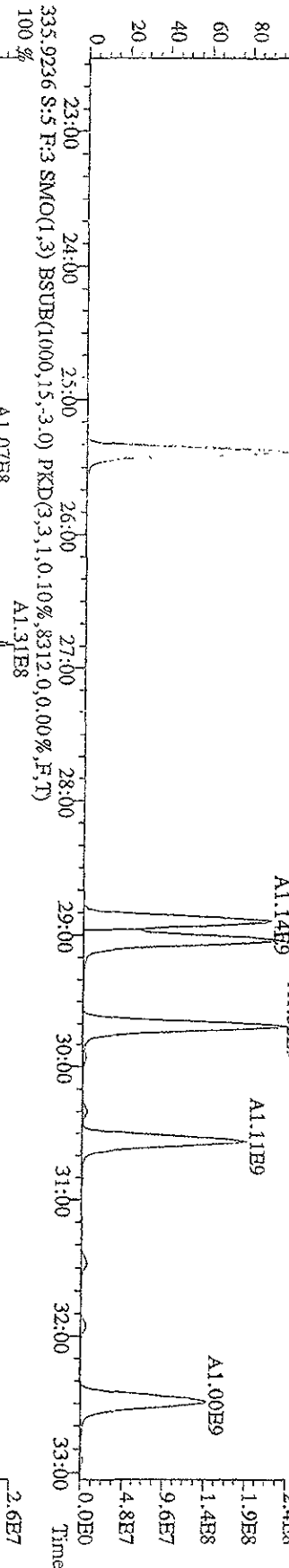
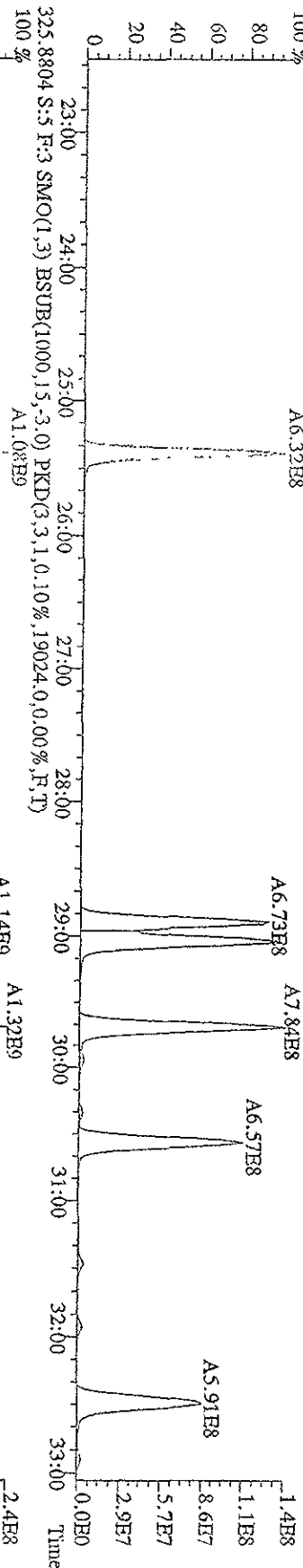




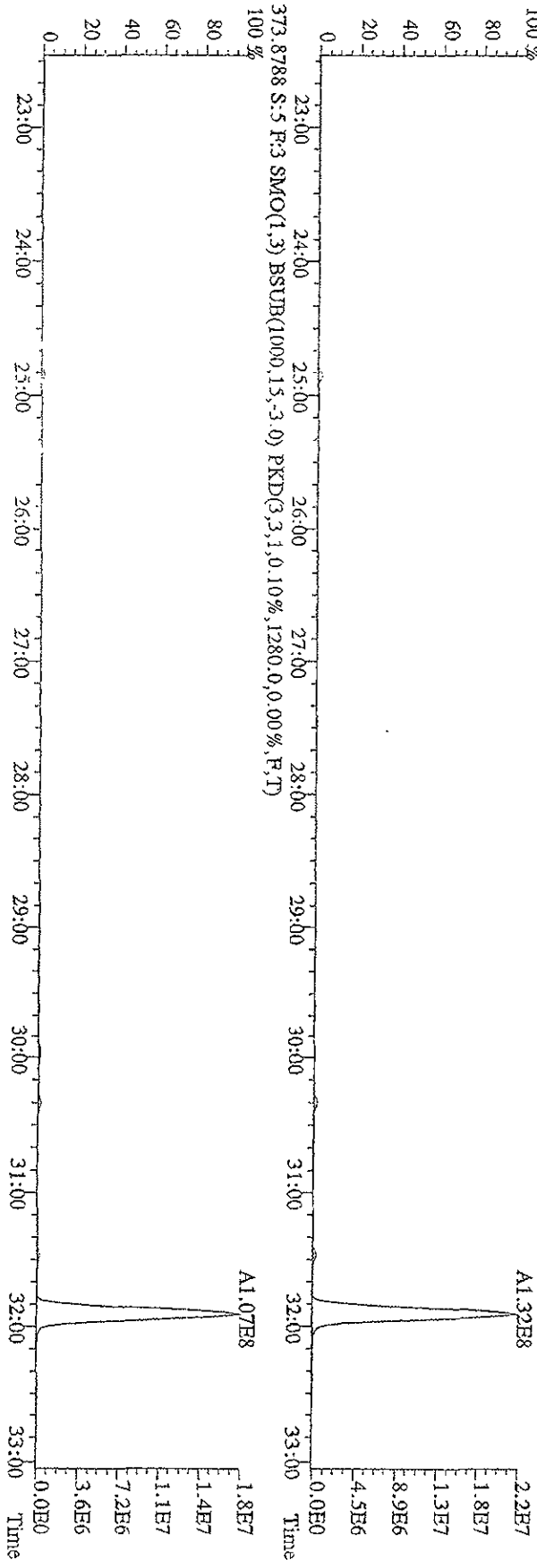
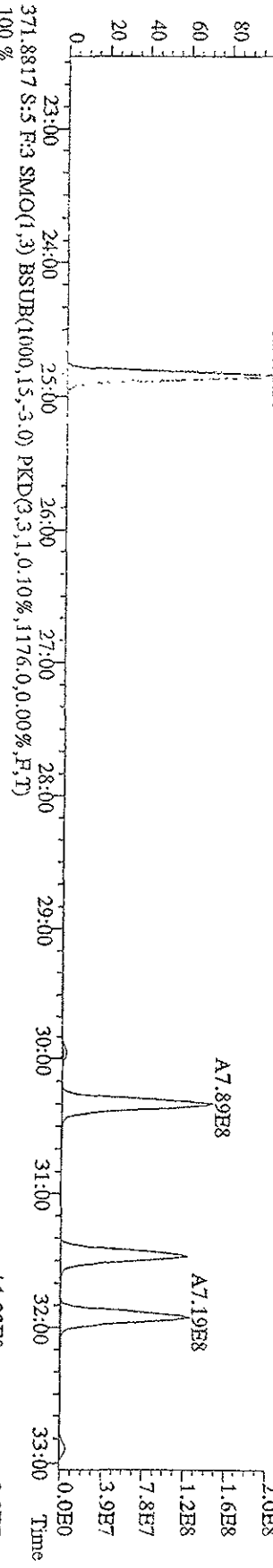
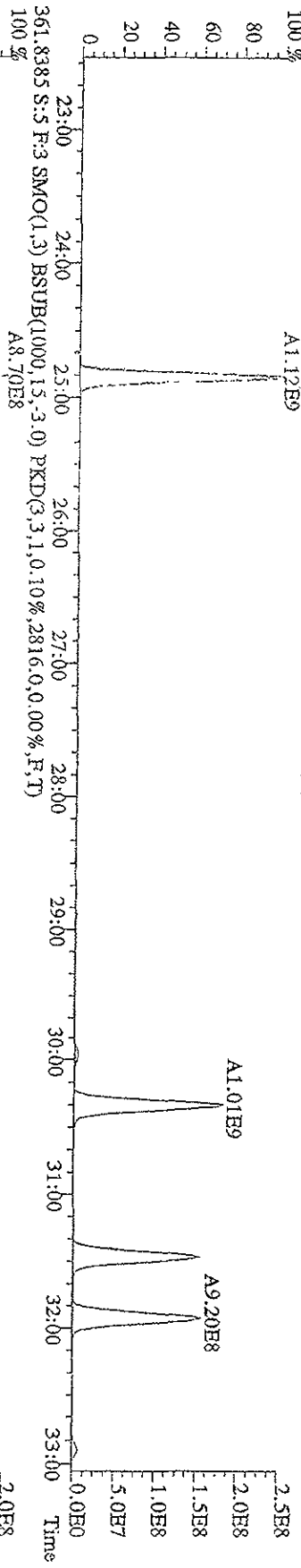
File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage 519V Autospec-UHimat5  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 323.8834 S:5 P:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1988,0,0,00%,F,T)



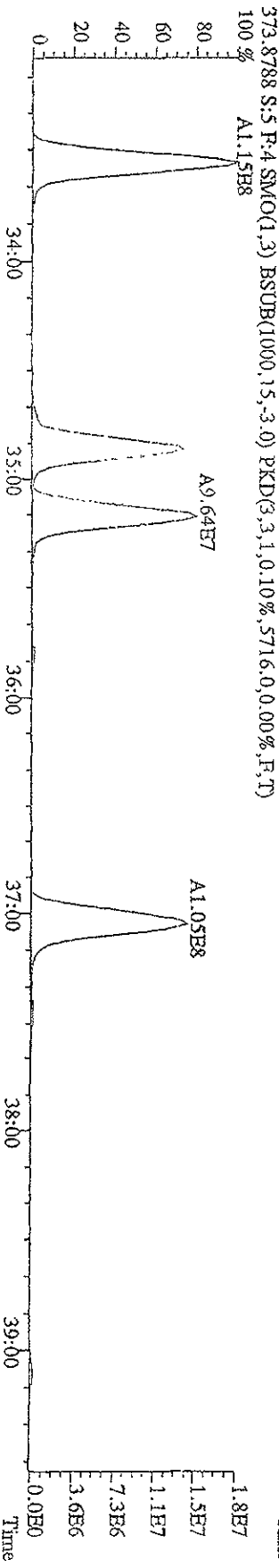
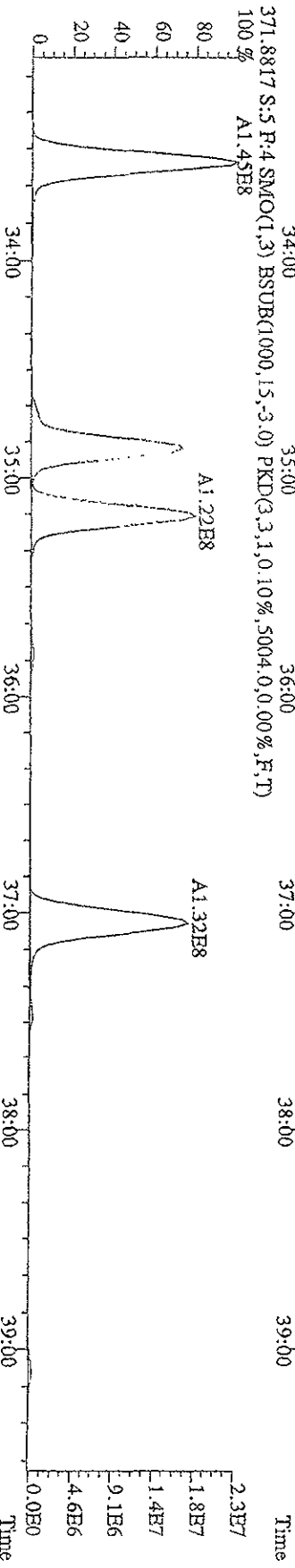
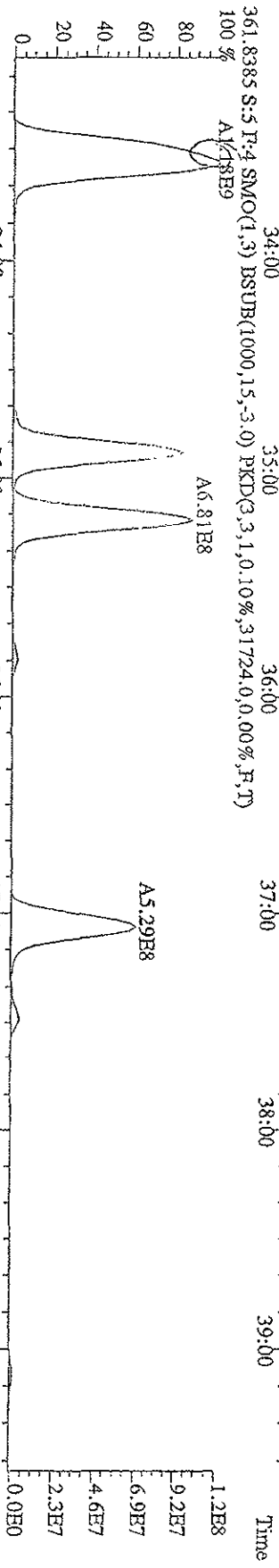
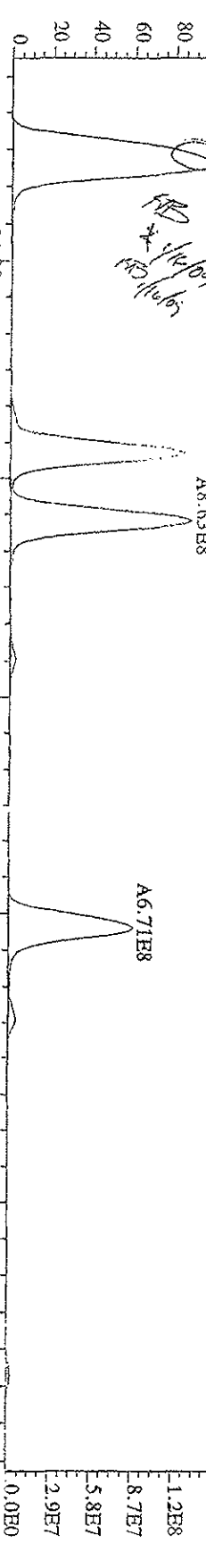
File: 151A09D9D5 #1-597 Acq: 15-1AN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 323.8834 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7552,0,0,00%,F,T)



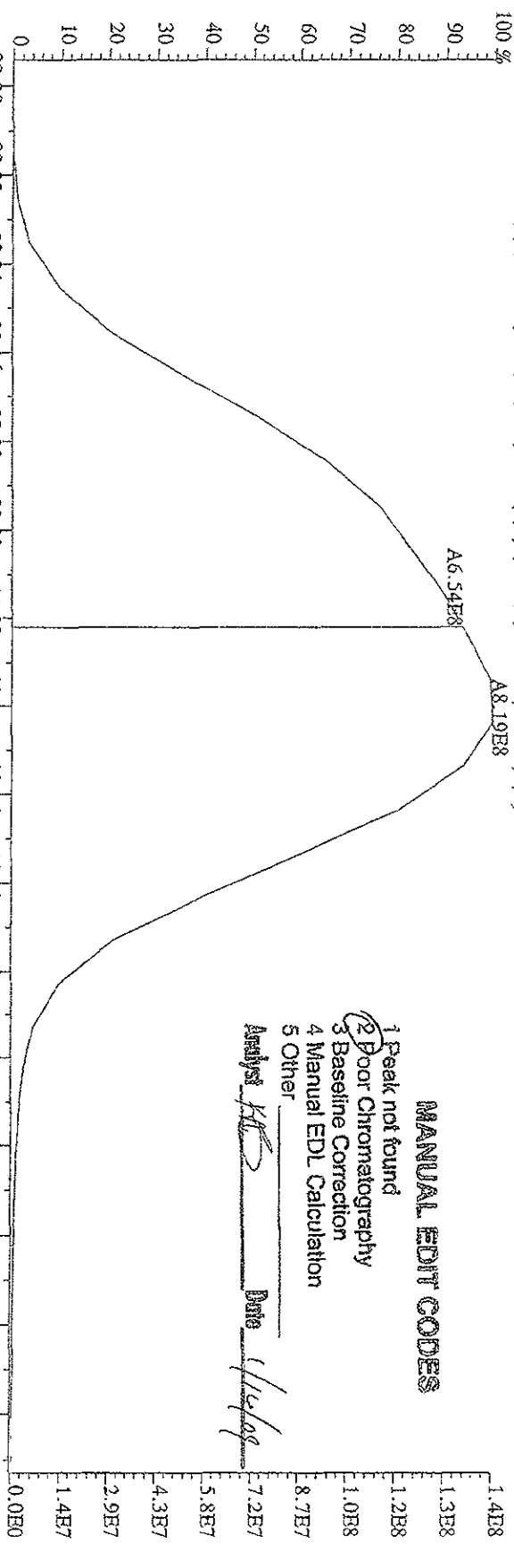
Title: 151A09D9D5 #1-597 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST0115D :CSS 09DXN018 Exp: 209DB5  
 359.8415 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1280,0,0,00%,F,T)  
 A1.12E9



File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage: SIR Autospec-Ultimate  
 Sample#5 Text: ST0115D :CS5 09DXN018 Exp: 209DB5  
 359.8413 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,45220,0,0,00%,F,T)  
 100% A1.48E9



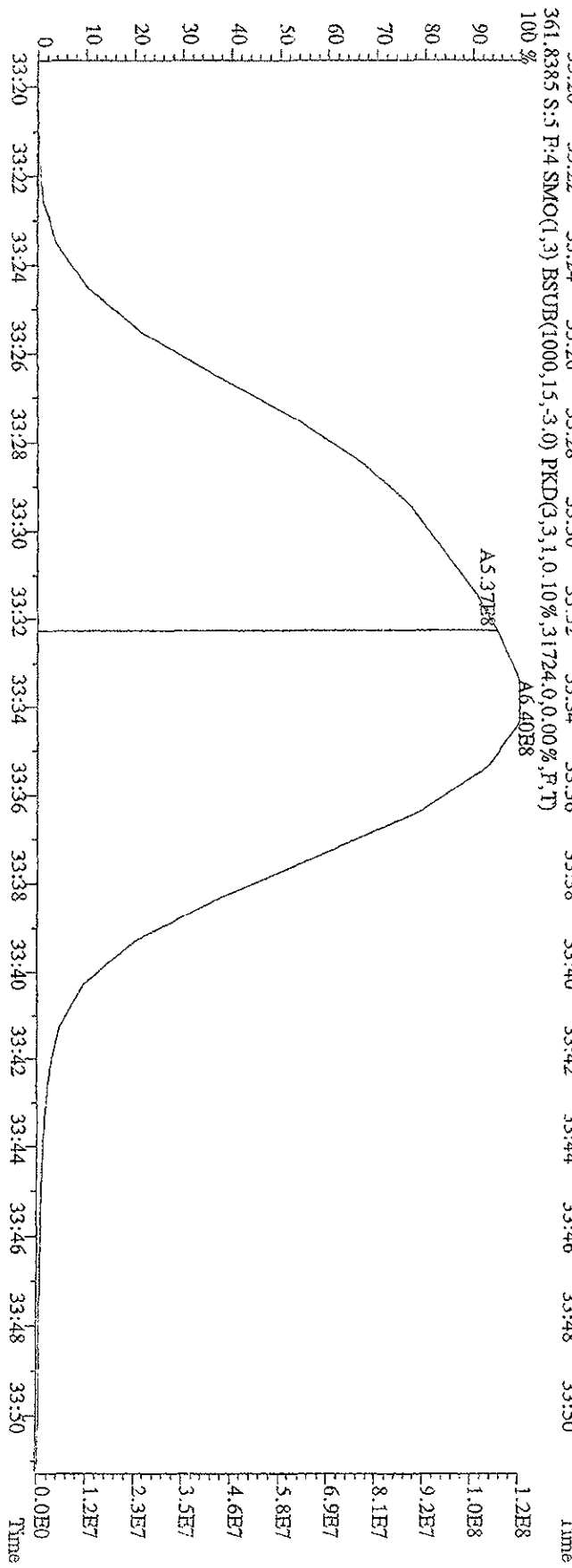
File: 15JA09D9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC EL+ Voltage SIR Autospec-UltimaB  
 Sample#5 Text: ST0115D :CS5 09DXN018 Exp: 209DB5  
 359,8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,45220,0,0.00%,F,T)  
 100 %



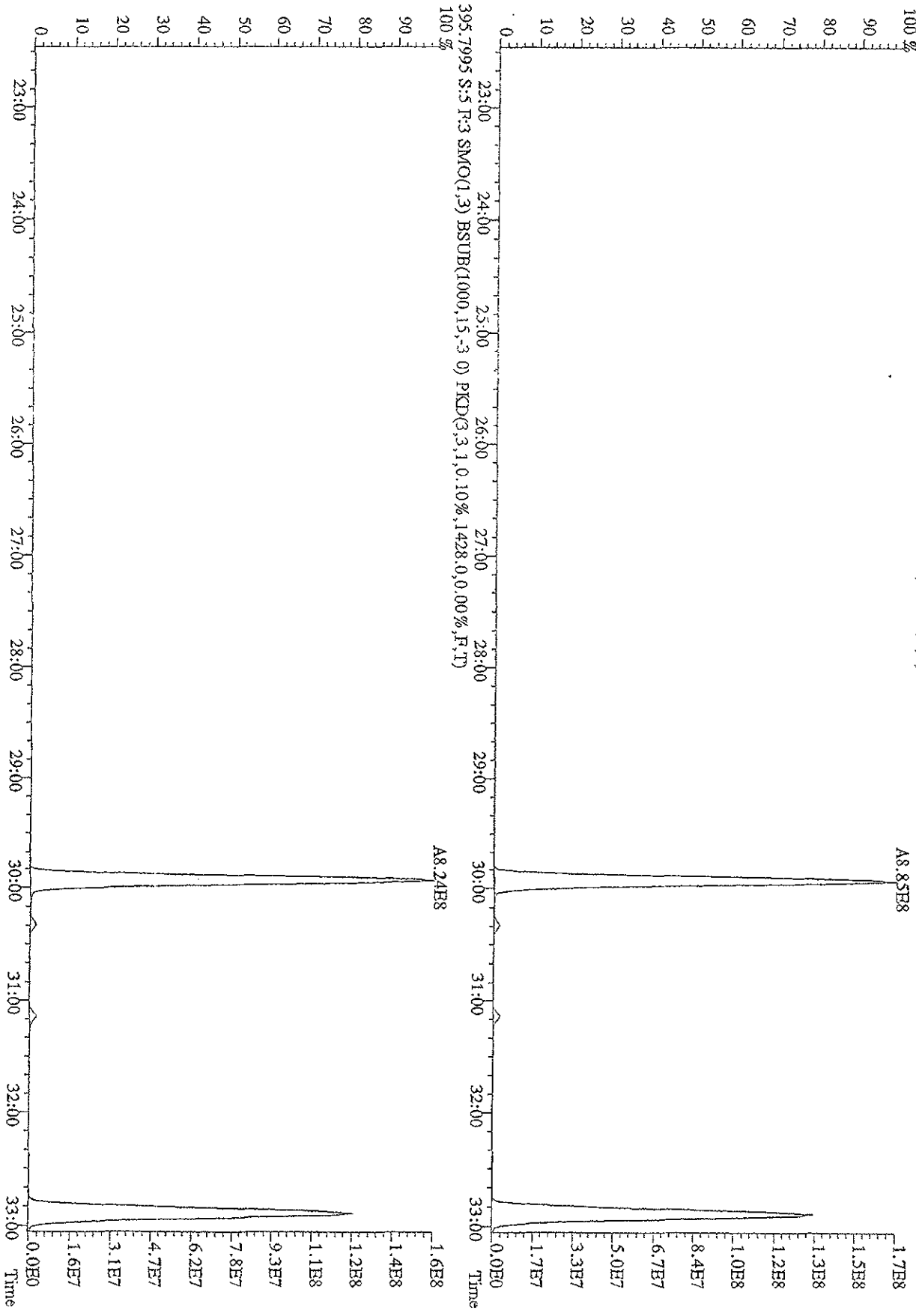
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst HC Date 1/16/09

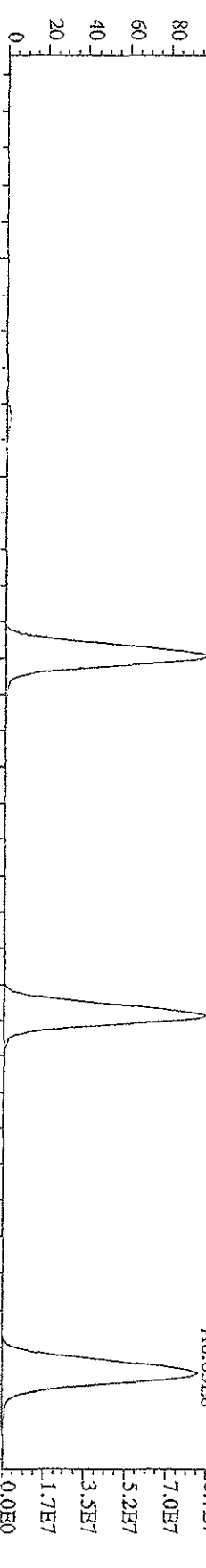


Title: 151A09DD9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 393.8025 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1428,0,0,00%,F,T)  
 100%

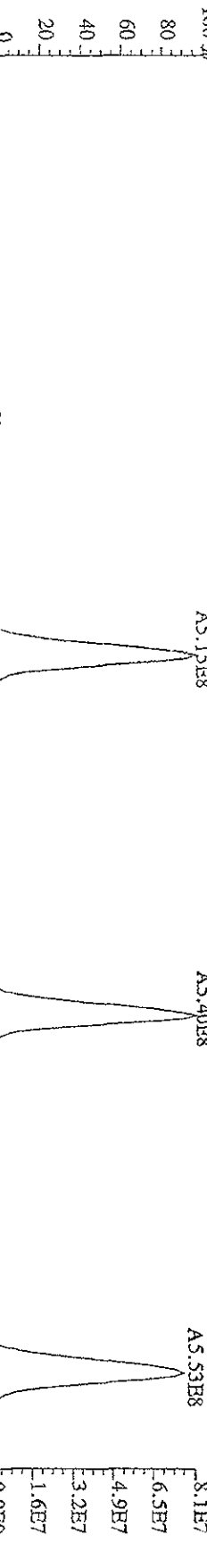


Title: 151A09D9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage: SIR Autospec-Ultimate  
Sample# 5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5

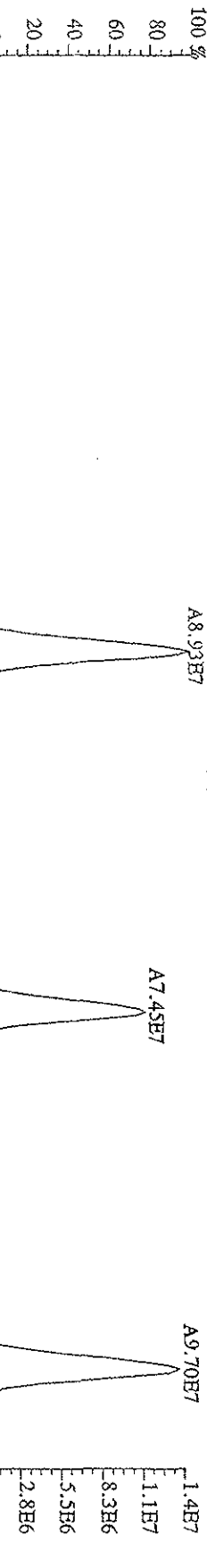
393 8025 S: 5 F: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,20836,0,0,00%,F,T)



395 7995 S: 5 F: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,15728,0,0,00%,F,T)



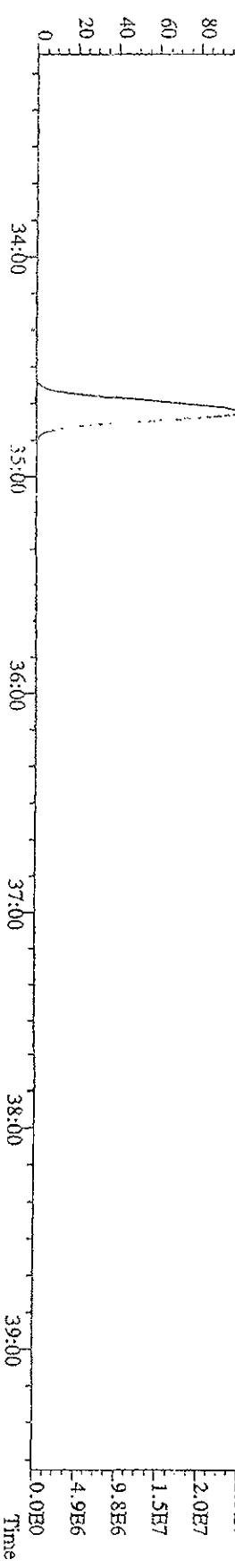
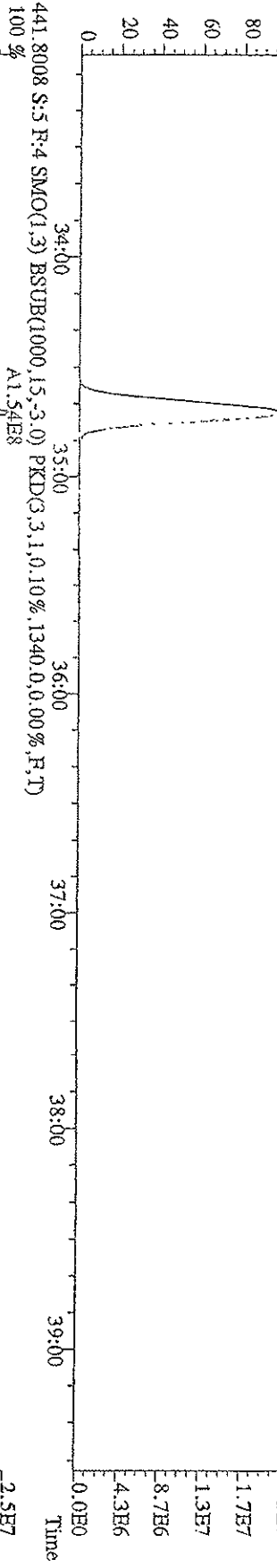
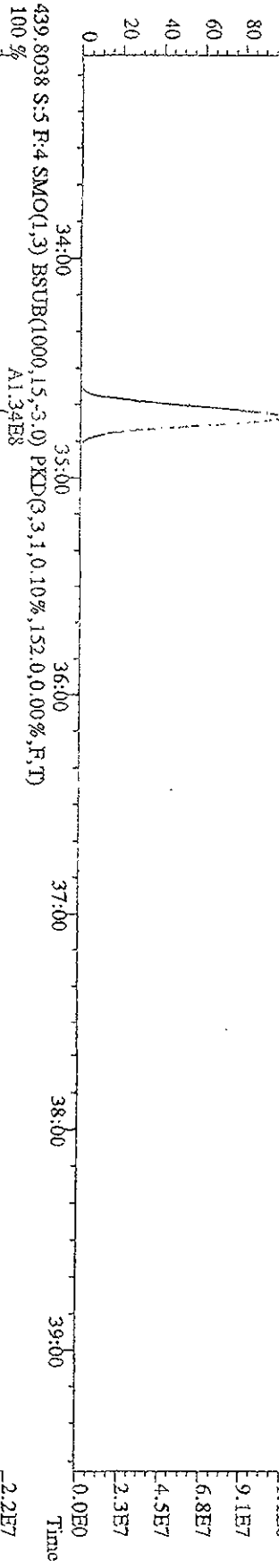
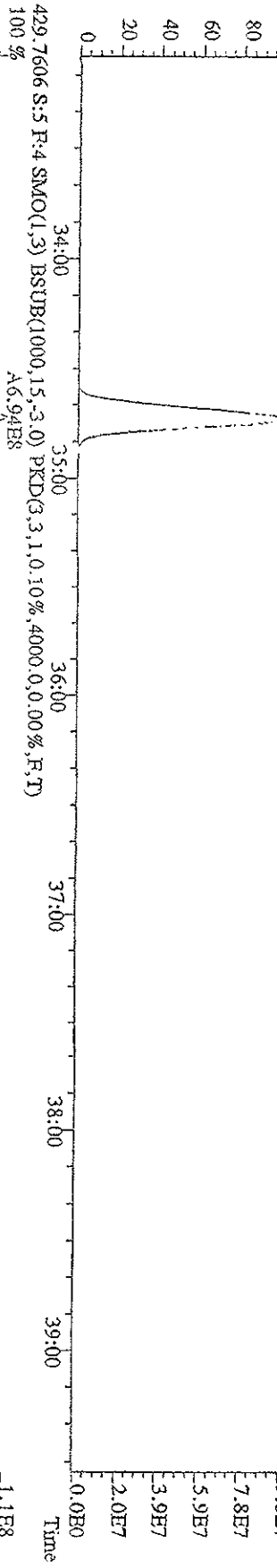
405 8428 S: 5 F: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5428,0,0,00%,F,T)



407 8398 S: 5 F: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2788,0,0,00%,F,T)

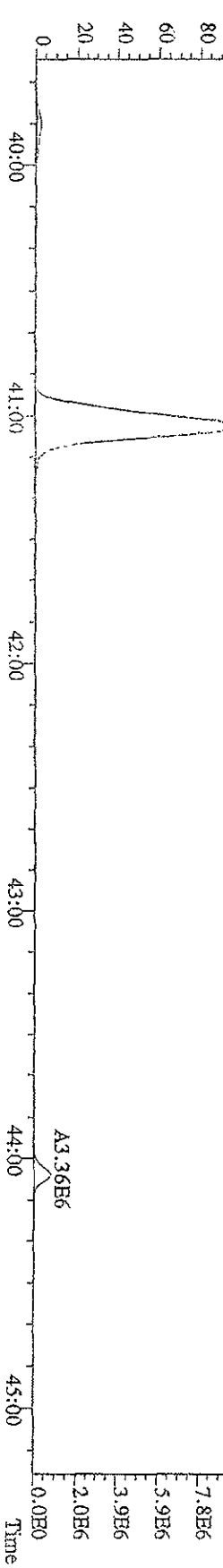
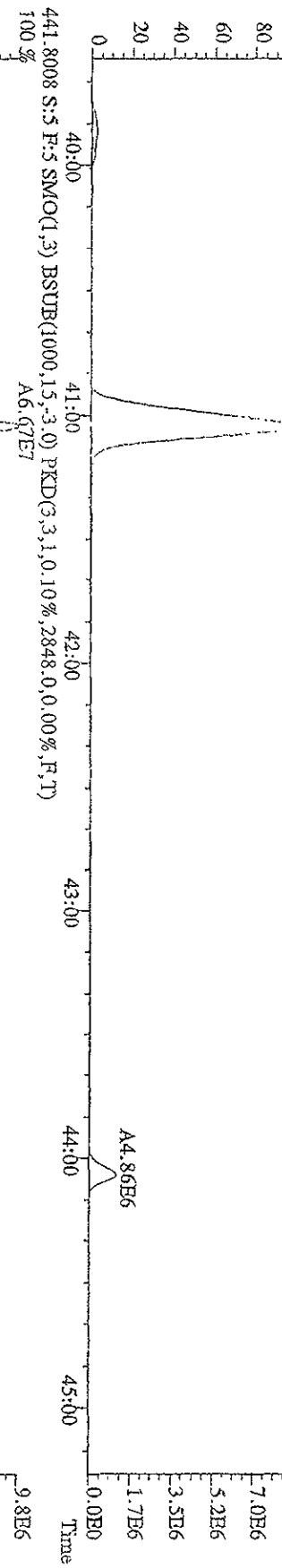
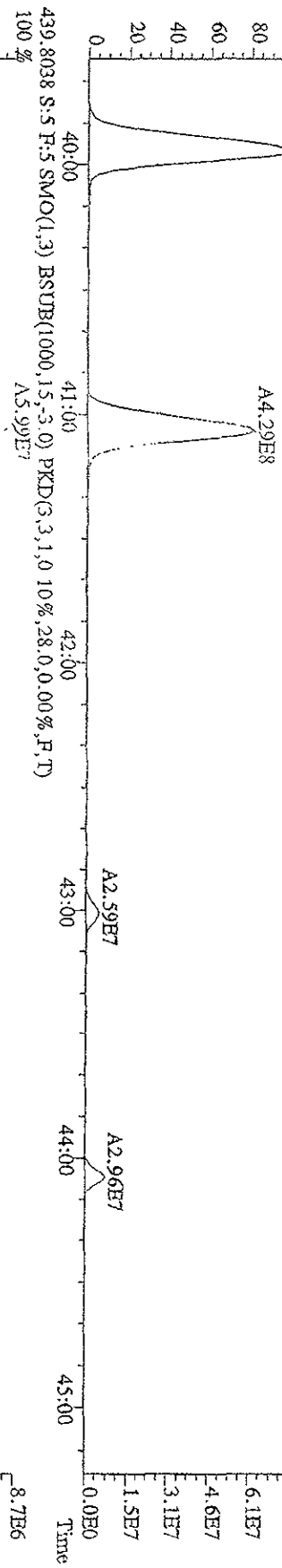
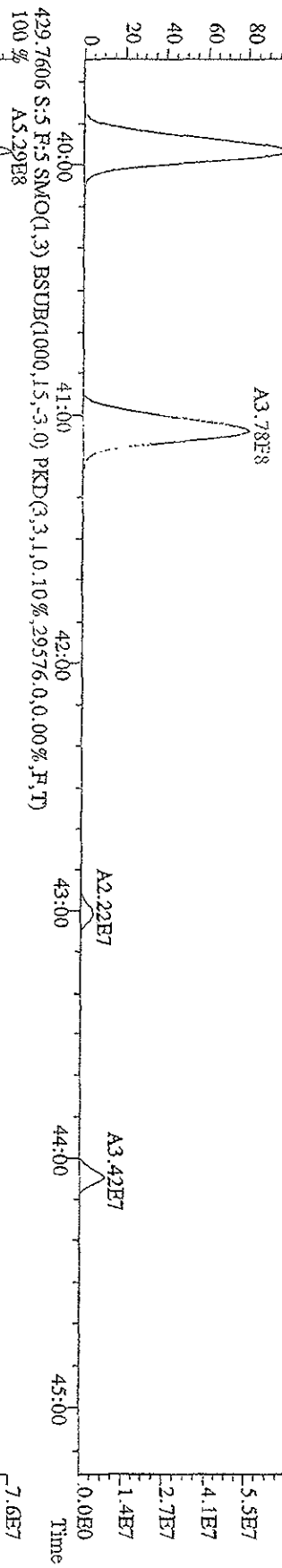


File: 151A09D9D5 #1-395 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 427.7635 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1488,0,0,00%,F,T)  
 100% A6,05E8

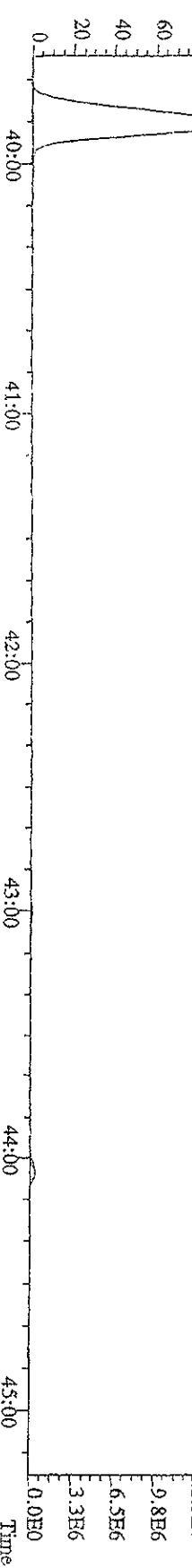
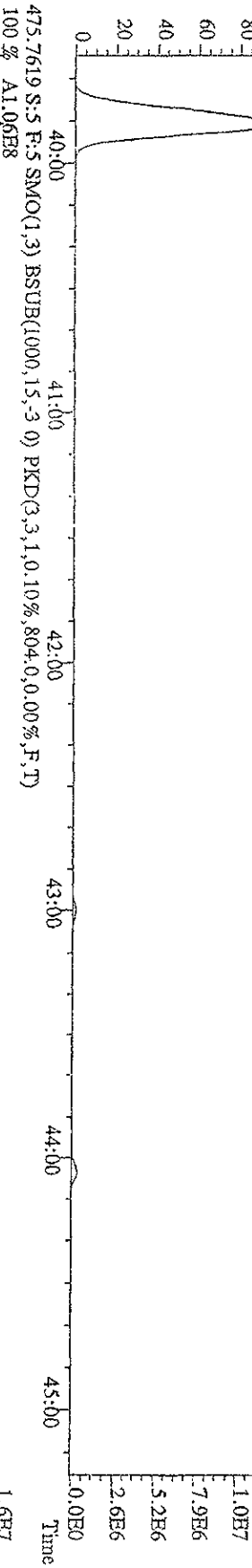
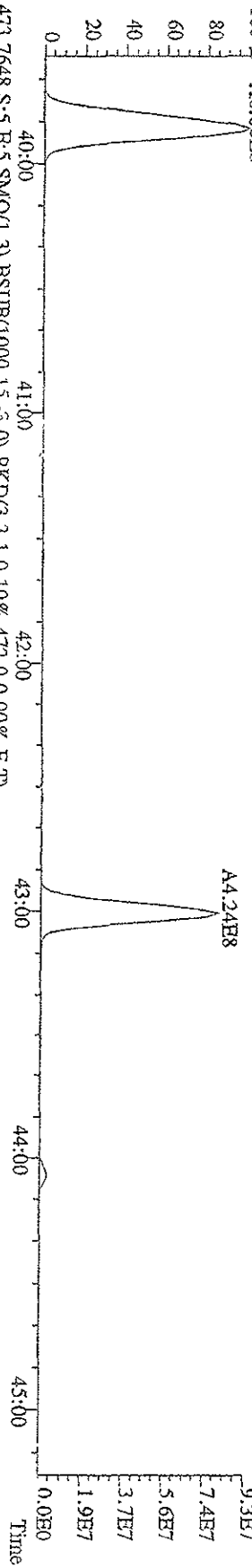
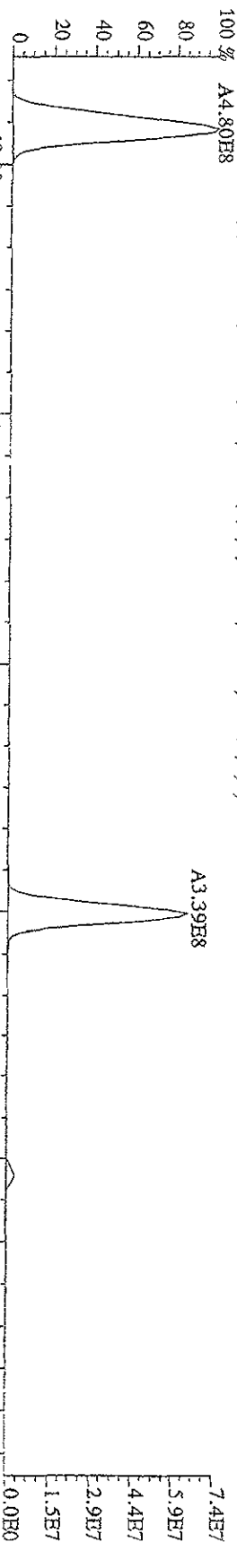




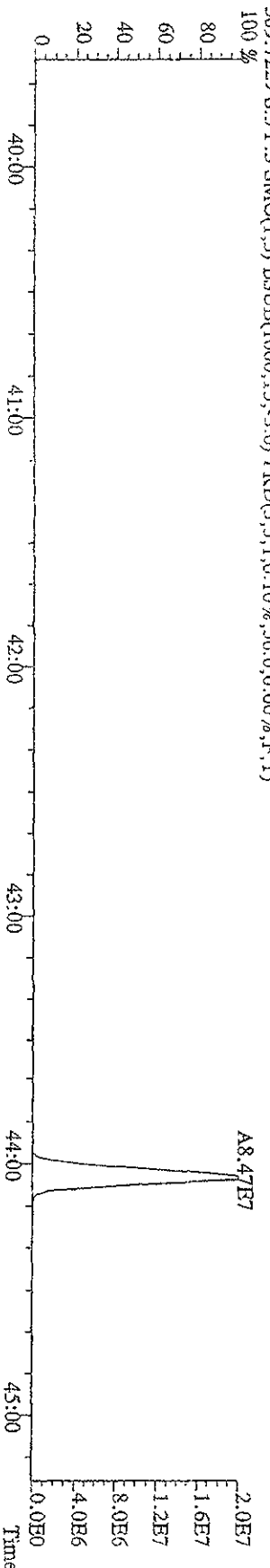
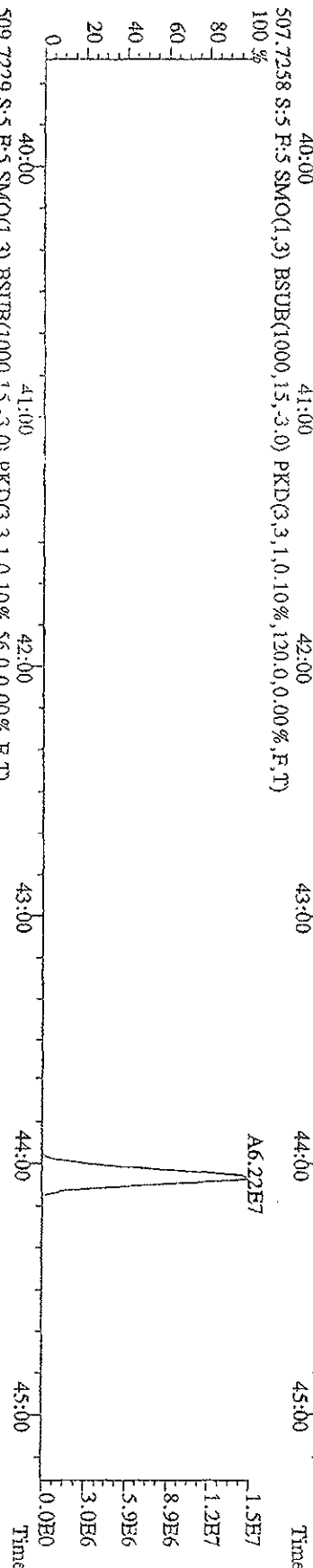
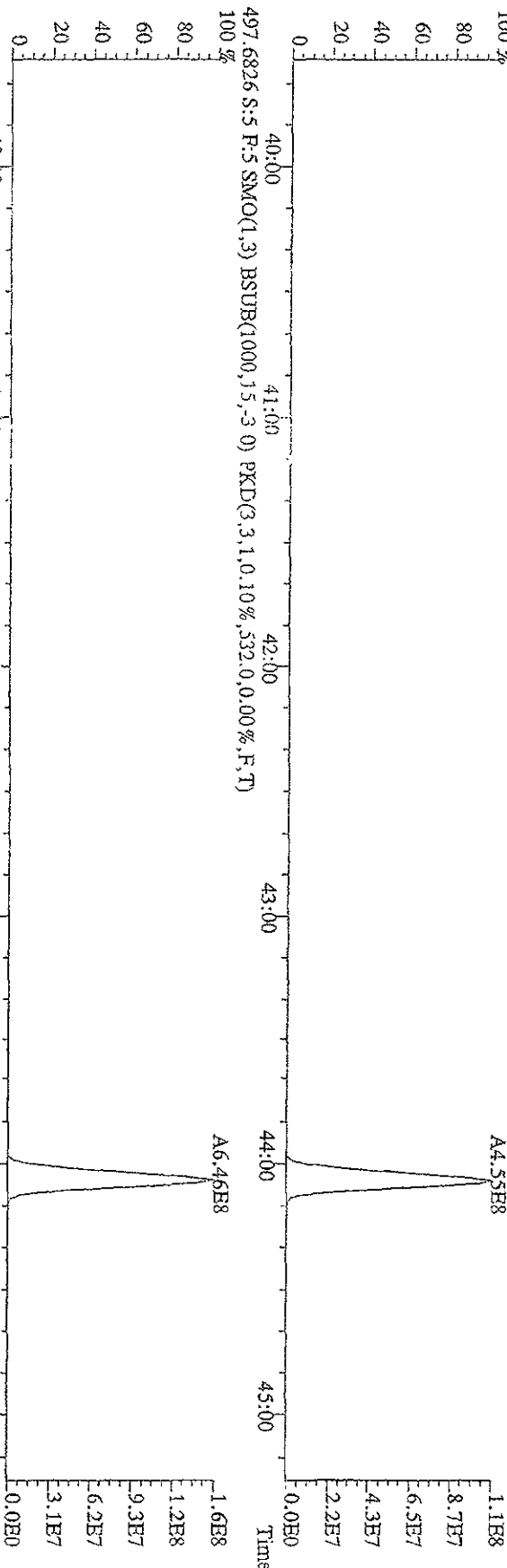
File: 151A09DD9D5 #1-378 Acq: 15-JAN-2009 23:50:45 GC FI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: ST0115D :CS5 09DXN018 Exp: 209DB5  
 427.7635 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,32872,0,0,00%,F,T)  
 100% A4.67E8



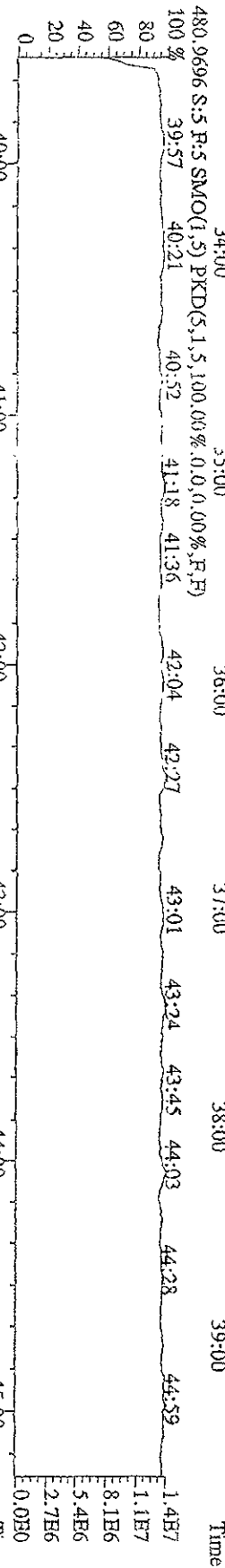
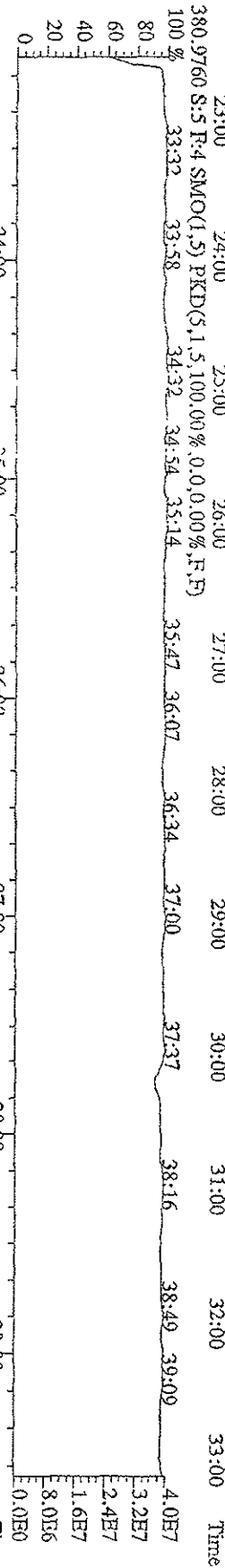
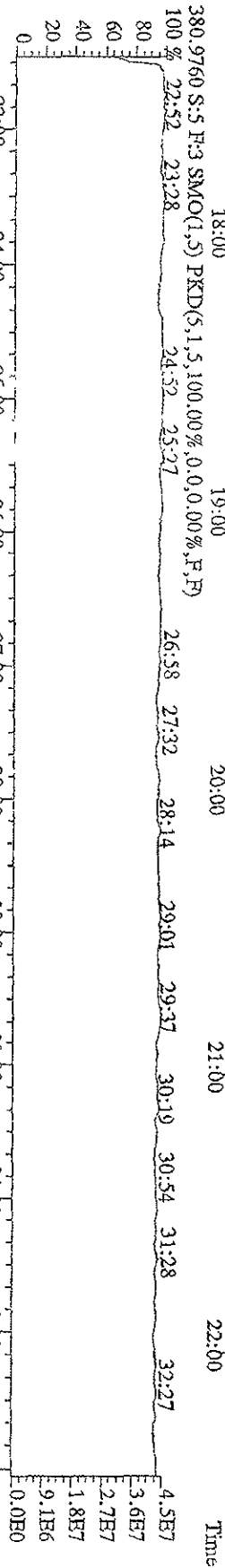
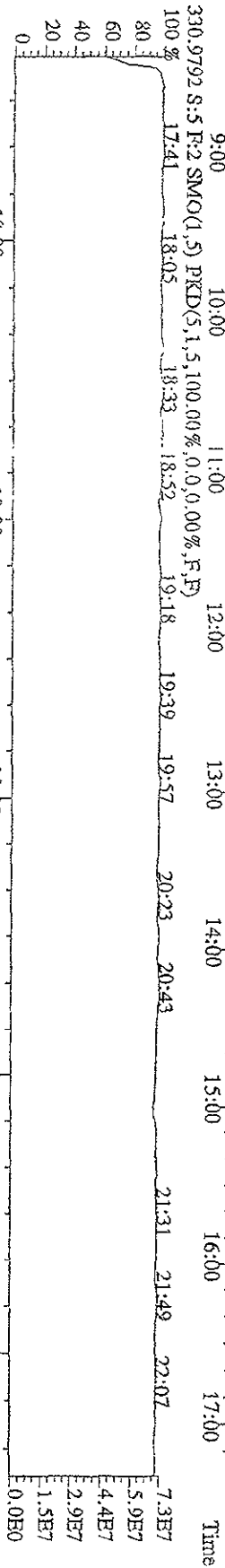
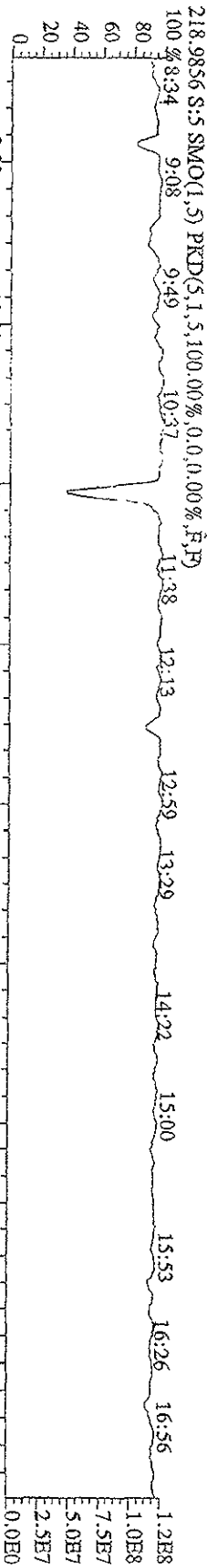
Title: 151A09DD9D5 #1-378 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage:519V Autospec-UltimaB  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 461.7245 S:5 P:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3072,0,0,00%,F,T)



File: 151A09DD9D5 #1-378 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage: STR Autospec-UHimaE  
 Sample#5 Text: ST0115D :CSS 09DXN018 Exp: 209DB5  
 495.6826 S:5 P:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,828,0,0.00%,F,T)



File: L51A09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST011570 :CS5 09DXN018 Exp:209DB5



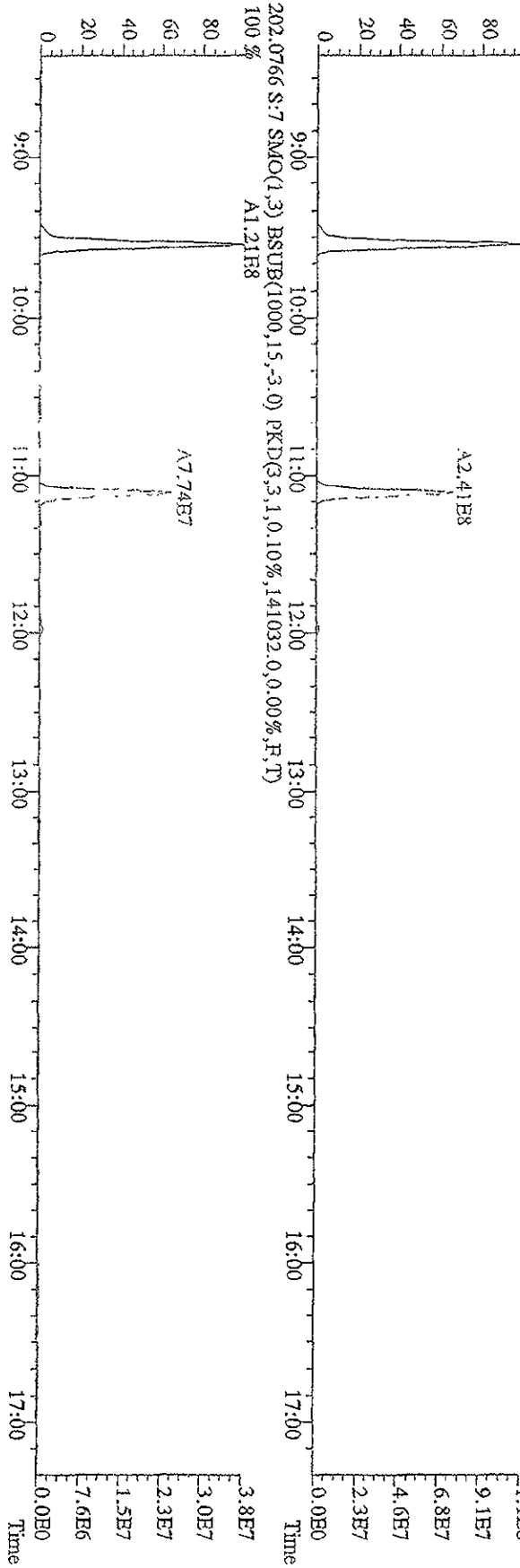
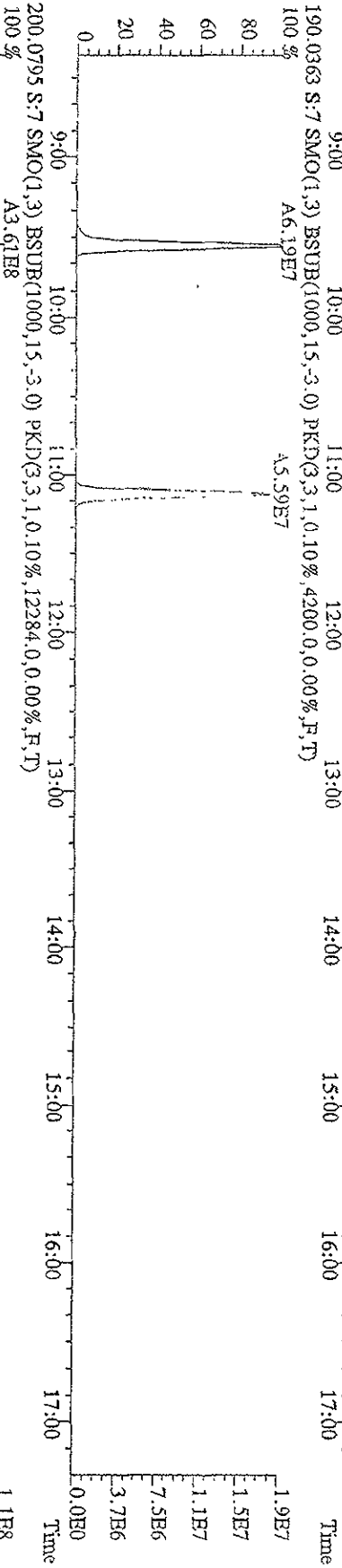
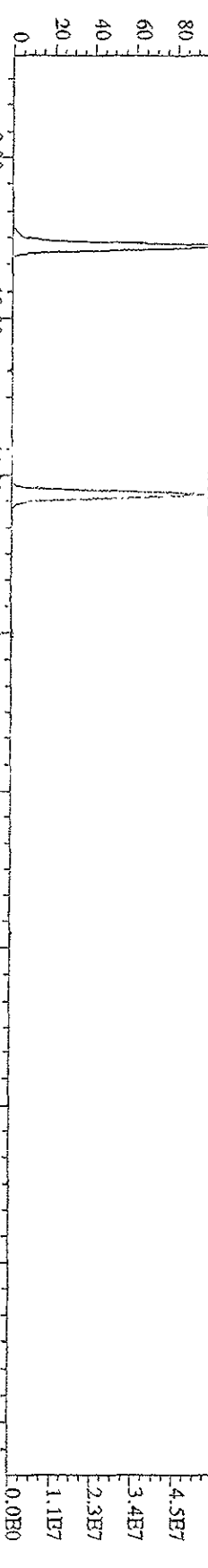
Run text: ST0115E Sample text: ST0115E :2nd Source 09DXN055  
 Run #6 Filename: 15JA09D9D5 S: 7 I: 1 Results: 15JA09D9D5  
 Acquired: 16-JAN-09 01:33:31 Processed: 16-JAN-09 12:21:13  
 Run: 15JA09D9D5 Analyte: 1668MDB5 Cal: 1668MDB50115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-MoCB-3	317987900	3.11 y	11:07	0.92	2164.57	10.27	108.2	n
MoCB-1	246706500	2.98 y	9:34	1.72	904.22	0.30	-	n
*MoCB-3	222925700	2.99 y	11:08	1.48	946.34	0.35	-	n
Total MoCB	474515702	2.98 y	9:34	1.60	1869.77	0.32	-	n
13C-DiCB-15	484209000	1.53 y	16:10	1.43	2124.23	0.83	106.2	n
DiCB-10/4	347800000	1.00 y	12:01	1.55	927.94	2.11	-	n
DiCB-8/5	491206000	1.00 y	13:55	1.10	1839.01	2.97	-	n
*DiCB-15	359460000	1.00 y	16:11	1.59	932.41	2.05	-	n
Total DiCB	1219706104	1.00 y	12:01	1.57	3755.23	2.08	-	n
13C-TrCB-28	343278000	1.04 y	18:31	1.08	1996.11	10.52	99.8	n
TrCB-30	278791000	1.02 y	15:19	1.61	1008.62	0.29	-	n
TrCB-18	243663000	1.01 y	16:01	1.42	999.81	0.33	-	n
Total F1 TrCB	522454000	1.02 y	15:19	1.30	2008.43	0.36	-	n
*TrCB-31	192082600	1.02 y	18:27	1.11	1008.28	0.90	-	n
*TrCB-28	205591000	1.05 y	18:32	1.28	932.33	0.77	-	n
TrCB-37	162623100	1.02 y	21:48	0.99	959.03	1.01	-	n
Total F2 TrCB	577775584	1.06 y	17:45	1.30	2978.02	0.77	-	n
13C-TeCB-52	318403000	0.81 y	20:23	-	106.38	-	-	n
13C-TeCB-81	229174000	0.79 y	26:58	0.95	1947.47	2.24	97.4	n
TeCB-54	176370000	0.75 y	17:45	1.45	1047.73	0.72	-	n
TeCB-52/73	136685300	0.74 y	20:24	1.14	1038.26	0.92	-	n
TeCB-47/75/48	159414500	0.74 y	20:49	1.51	910.32	0.69	-	n
TeCB-44	118189100	0.73 y	21:34	0.99	1027.98	1.06	-	n
Total F2 TeCB	594518692	0.75 y	17:45	1.28	4050.21	0.83	-	n
13C-TeCB-77	234335000	0.79 y	27:33	0.98	1920.15	2.16	96.0	n
TeCB-66/80	184147000	0.76 y	24:02	1.58	1007.33	1.48	-	n
TeCB-81	141804800	0.76 y	26:59	1.28	968.12	1.77	-	n
TeCB-77	126688100	0.71 y	27:35	1.10	979.89	2.18	-	n
Total F3 TeCB	469737053	0.76 y	24:02	1.28	3070.16	1.85	-	n
13C-PeCB-101	248452000	0.65 y	25:21	-	101.61	-	5.1	n
13C-PeCB-123	215120100	0.65 y	28:53	0.87	1987.09	1.39	99.4	n
PeCB-104	187266500	0.64 y	21:19	1.60	1043.94	0.32	-	n
Total F2 PeCB	187266500	0.64 y	21:19	1.38	1043.94	0.39	-	n
PeCB-101/89/90	152746800	0.59 y	25:23	1.39	979.30	1.07	-	n
PeCB-123	153997300	0.59 y	28:54	1.51	948.79	0.97	-	n
13C-PeCB-118	233847400	0.65 y	29:02	0.98	1912.00	1.23	95.6	n
PeCB-118/106	173601100	0.60 y	29:03	1.53	971.67	0.94	-	n
13C-PeCB-114	234263800	0.66 y	29:40	0.97	1951.48	1.26	97.6	n
PeCB-114	179214900	0.58 y	29:41	1.59	965.03	0.91	-	n
13C-PeCB-105	216099500	0.65 y	30:34	0.90	1938.79	1.35	96.9	n
PeCB-105/127	146287000	0.59 y	30:35	1.42	951.93	1.12	-	n

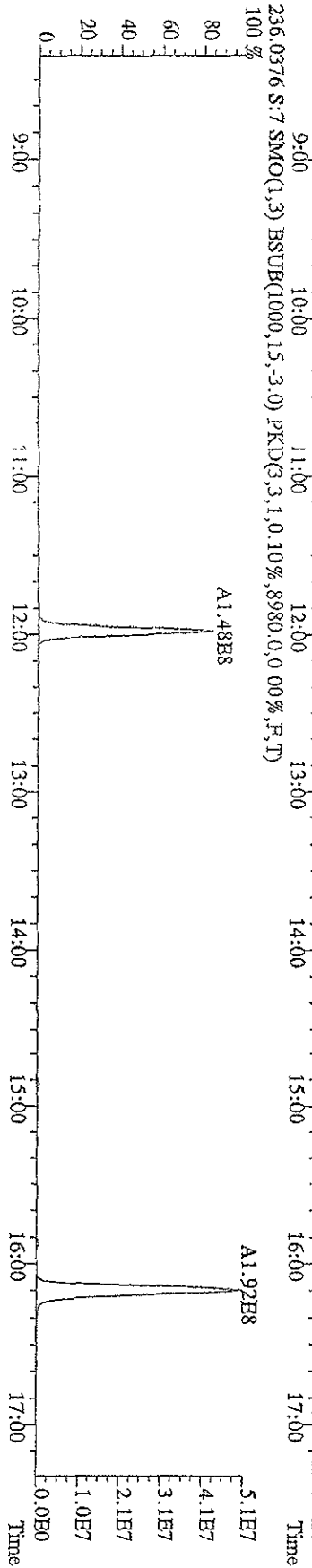
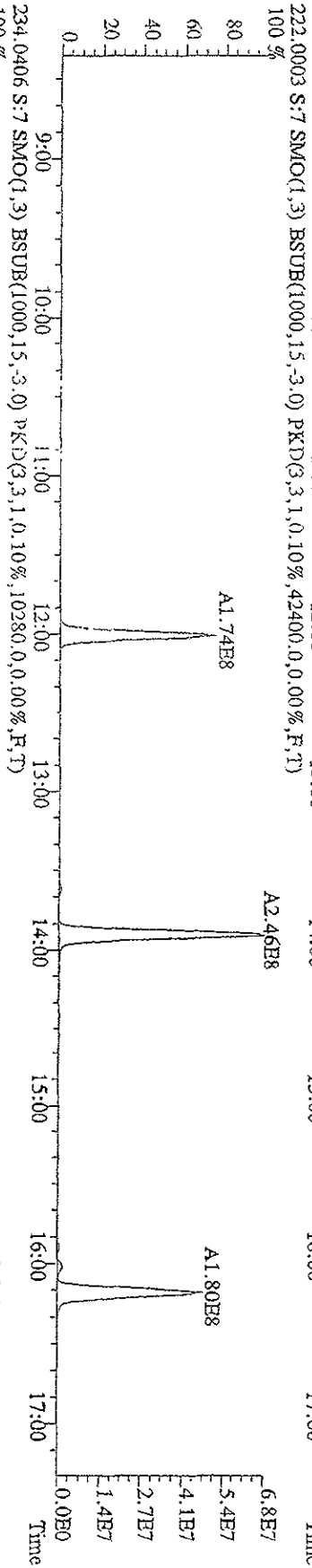
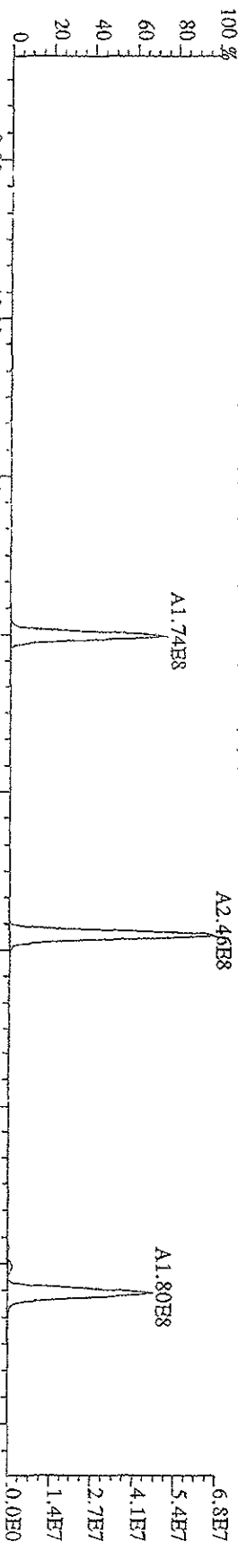
13C-PeCB-126	209136400	0.66	y	32:30	0.91	1846.94	1.33	92.3	n
PeCB-126	116625800	0.59	y	32:31	1.17	950.64	1.67	-	n
Total F3 PeCB	941154865	0.51	n	24:50	1.38	5889.66	1.14	-	n
13C-OcCB-202	247986000	0.86	y	34:43	-	96.36	-	-	n
13C-HxCB-167	206590100	1.26	y	33:35	0.84	1979.81	2.19	99.0	n
HxCB-155	176523800	1.27	y	24:50	1.89	1039.99	0.42	-	n
HxCB-153	152304200	1.27	y	30:21	1.71	987.89	0.46	-	n
HxCB-137	131107900	1.27	y	31:28	1.47	992.40	0.53	-	n
HxCB-138/163/164	136502600	1.26	y	31:56	1.55	977.56	0.51	-	n
Total F3 HxCB	606630234	1.27	y	24:50	1.44	4077.00	0.56	-	n
HxCB-128	84450800	1.24	y	33:30	1.08	868.90	3.96	-	n
HxCB-167	127740700	1.27	y	33:36	1.17	1058.05	3.04	-	n
13C-HxCB-156	164457200	1.30	y	34:53	0.67	1978.96	2.75	98.9	n
HxCB-156	113010300	1.28	y	34:54	1.45	946.35	3.26	-	n
13C-HxCB-157	172987600	1.26	y	35:12	0.71	1973.79	2.61	98.7	n
HxCB-157	119121700	1.26	y	35:13	1.45	952.15	3.00	-	n
13C-HxCB-169	176264100	1.25	y	37:05	0.73	1938.06	2.51	96.9	n
HxCB-169	81303300	1.29	y	37:06	0.99	932.61	4.67	-	n
Total F4 HxCB	536274083	1.24	y	33:30	1.44	4840.76	3.02	-	n
13C-HpCB-180	145969400	1.04	y	35:49	0.58	2013.68	1.54	100.7	n
HpCB-188	145753200	1.07	y	29:56	2.10	1033.46	0.58	-	n
HpCB-187/182	128812400	1.06	y	32:54	1.92	997.83	0.63	-	n
Total F3 HpCB	278642119	1.07	y	29:56	1.67	2067.20	0.72	-	n
HpCB-180	86924100	1.10	y	35:50	1.27	941.34	1.34	-	n
13C-HpCB-170	116867600	1.04	y	37:29	0.47	1986.74	1.89	99.3	n
HpCB-170/190	87429800	1.08	y	37:29	1.61	931.39	1.31	-	n
13C-HpCB-189	140943300	1.05	y	39:07	0.60	1899.17	1.50	95.0	n
HpCB-189	80151000	1.11	y	39:08	1.21	942.78	1.48	-	n
Total F4 HpCB	256493131	0.82	n	33:07	1.67	2833.03	1.10	-	n
13C-OcCB-194	97713600	0.90	y	41:04	0.41	1928.85	0.71	96.4	n
OcCB-202	102264300	0.85	y	34:44	2.16	968.36	0.31	-	n
Total F4 OcCB	102264300	0.85	y	34:44	1.70	968.36	0.39	-	n
OcCB-195	75846900	0.88	y	39:58	1.61	963.37	3.27	-	n
*OcCB-194	57671400	0.89	y	41:05	1.24	952.91	4.25	-	n
Total F5 OcCB	141135460	0.88	y	39:58	1.70	2007.99	3.10	-	n
13C-NoCB-208	153734500	0.80	y	39:52	0.64	1928.31	0.15	96.4	n
*NoCB-208	81736900	0.79	y	39:52	1.11	956.40	0.38	-	n
NoCB-206	52843300	0.81	y	43:01	0.73	947.77	0.59	-	n
Total F5 NoCB	136667540	0.79	y	39:52	0.92	1933.73	0.46	-	n
13C-DeCB-209	107688400	0.71	y	44:04	0.46	1887.39	0.07	94.4	n
*DeCB-209	73761700	0.71	y	44:04	1.50	910.40	0.09	-	n
13C-MoCB-1	482046000	2.99	y	9:33	1.95	1553.93	3.90	77.7	n
13C-DiCB-4	369336000	1.49	y	11:59	0.93	1647.97	0.80	82.4	n
13C-TrCB-19	309678000	1.07	y	14:52	1.03	1750.20	9.10	87.5	n
13C-TeCB-54	365168000	0.82	y	17:44	1.72	1829.54	1.83	91.5	n
13C-PeCB-111	289878000	0.64	y	26:50	1.42	1929.21	1.32	96.5	n
13C-HxCB-138	205304900	1.20	y	31:55	-	97.93	-	4.9	n

File:151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage S1R Autospec-UltimaE

Sample#7 Text:ST0115H :2nd Source 09DXN055 Exp:209DB5

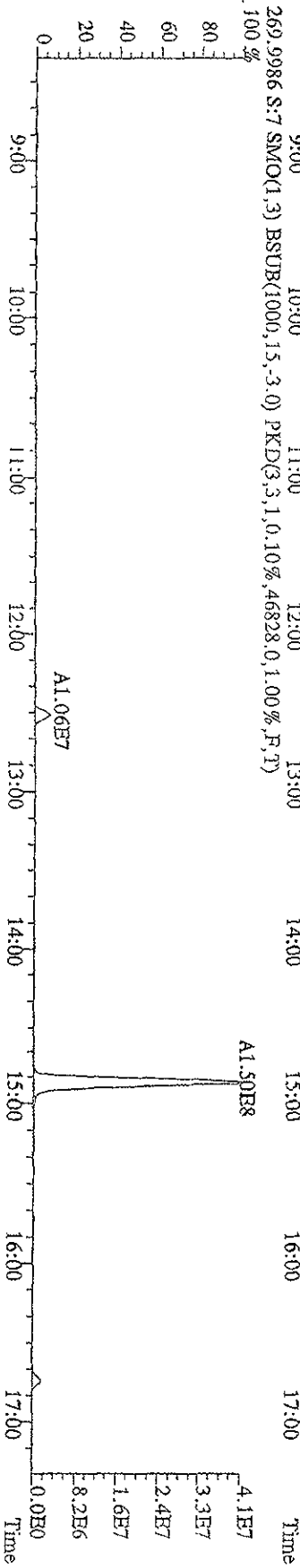
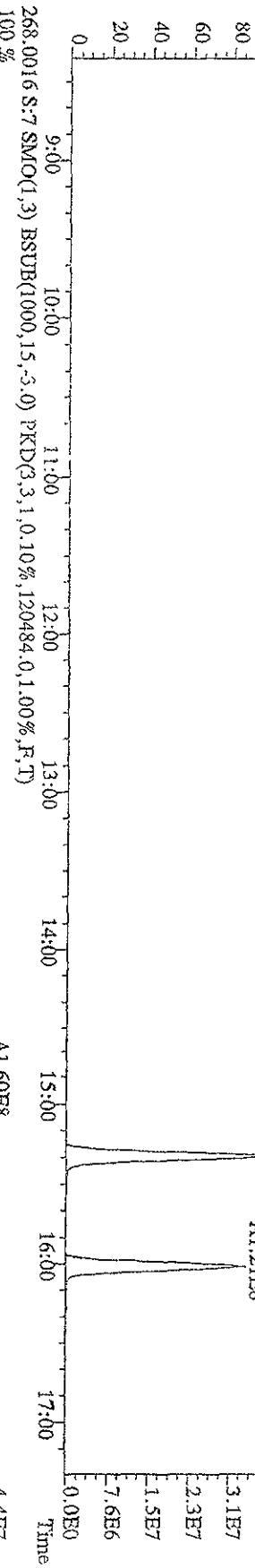
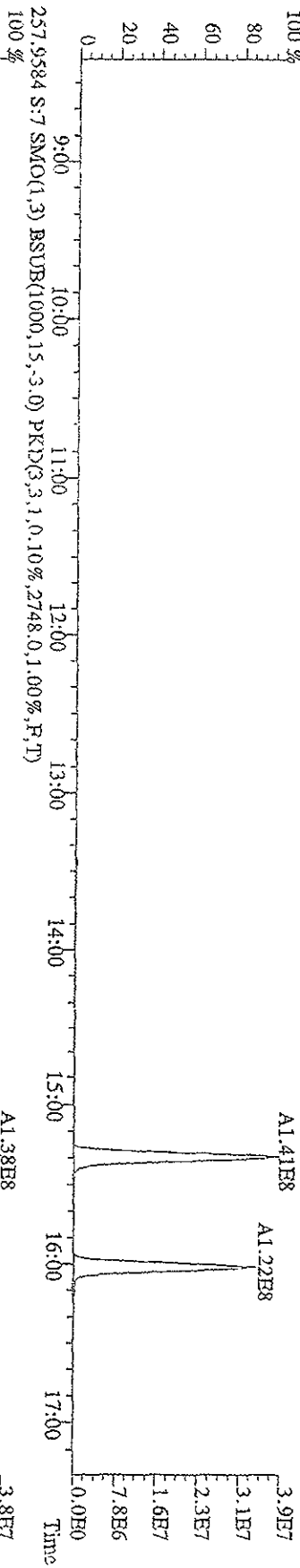


File:151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:570115E :2nd Source 09DXN055 Exp:209DB5  
 222.0003 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,42400,0,0,00%,F,T)  
 100 %

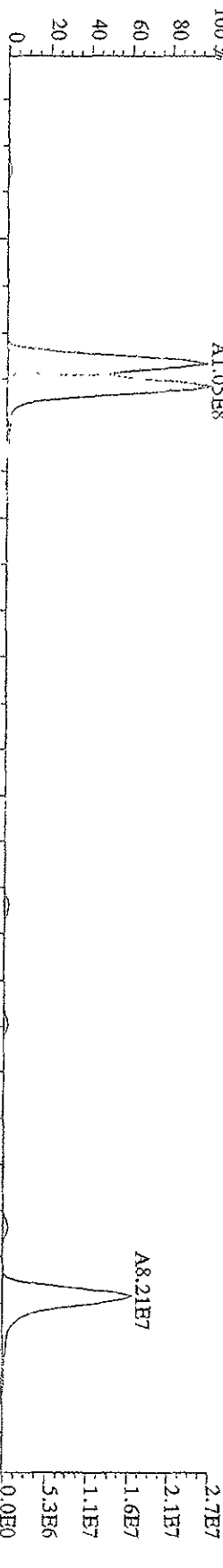




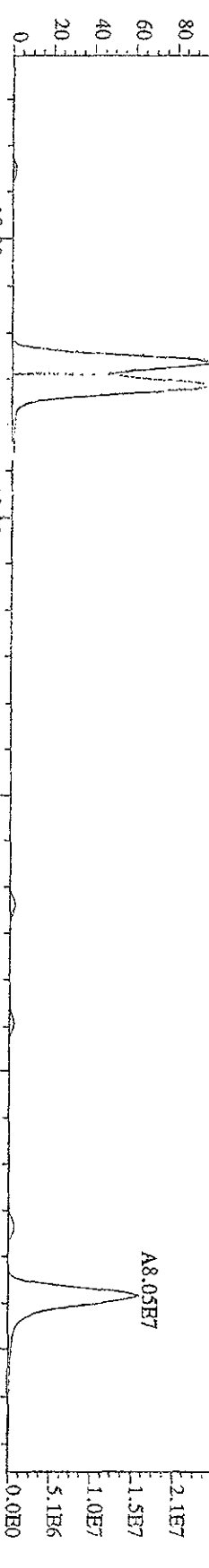
File:151A09DD9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SRP Autospec-UrthmaE  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 257.9584 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2748,0,1,00%,F,T)  
 255.9613 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5556,0,1,00%,F,T)



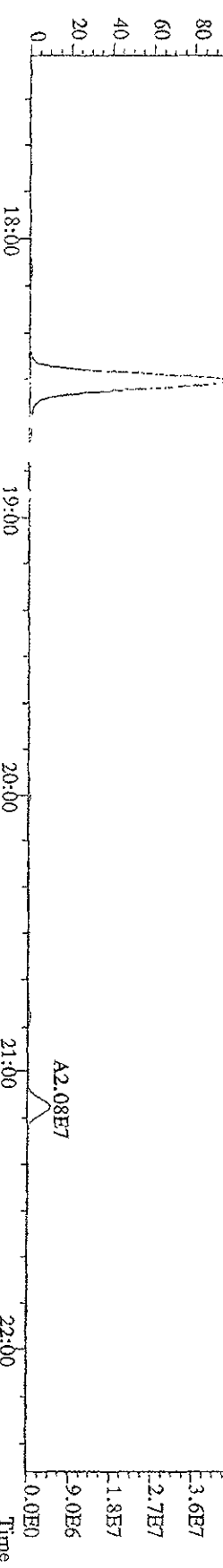
File:151A09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN035 Exp:209DB5  
 255.9613 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9972,0,1,00%,F,T)



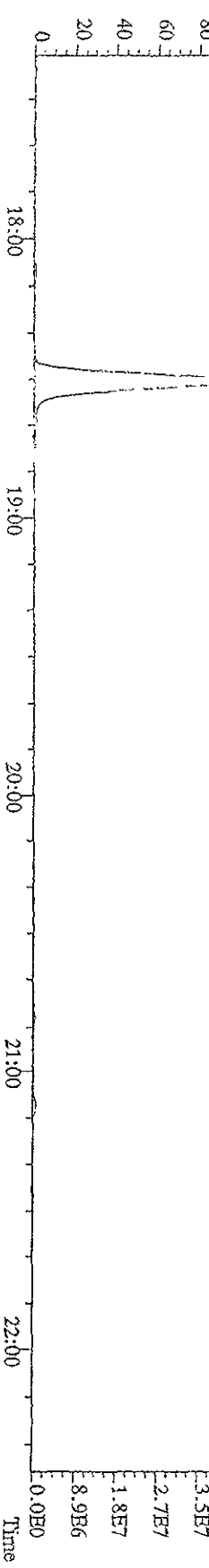
257.9584 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7772,0,1,00%,F,T)  
 100% A1.09E8



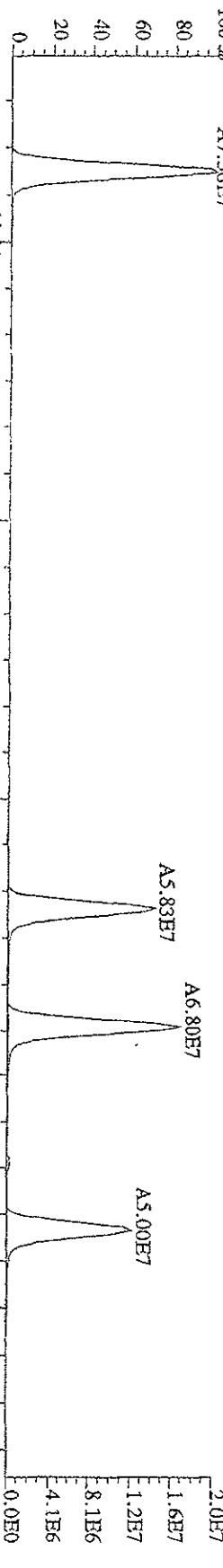
268.0016 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,107148,0,1,00%,F,T)  
 100% A1.75E8



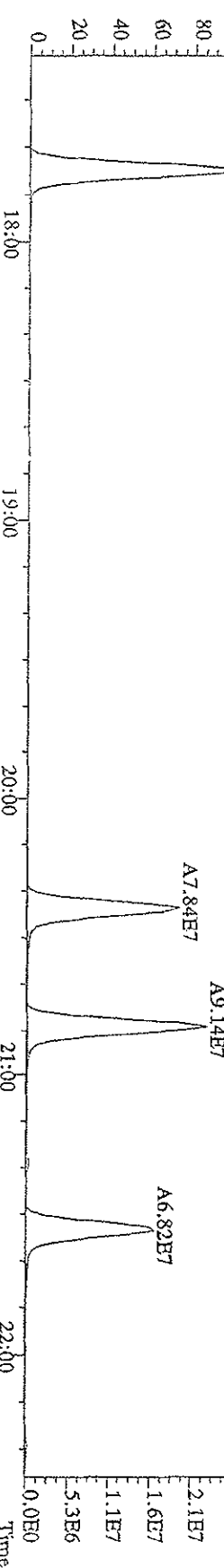
269.9986 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,76740,0,1,00%,F,T)  
 100% A1.69E8



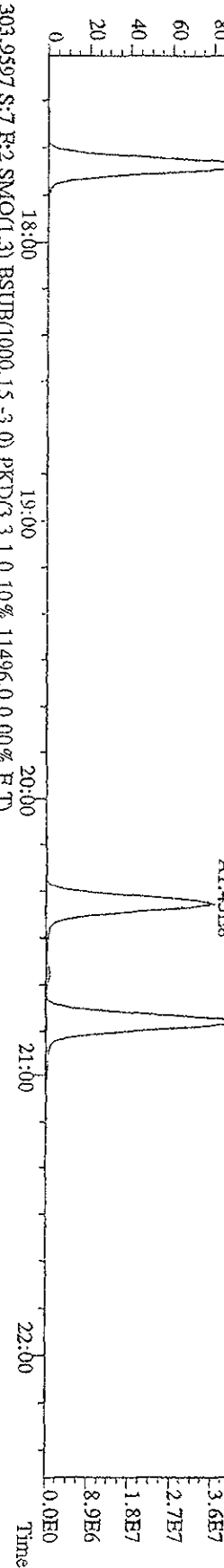
File:151A09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#7 Text:ST0115B :2nd Source G9DX(N055 Exp:209DB5  
 289.9224 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2996,0,0,00%,F,T)  
 100 % A7.56E7



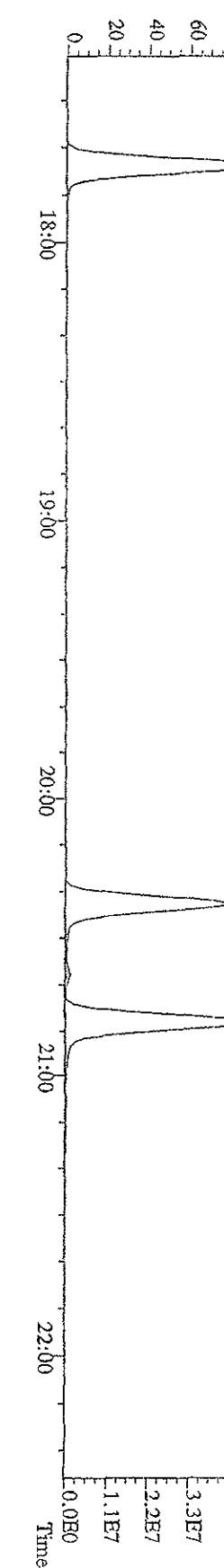
291.9194 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,4708,0,0,00%,F,T)  
 100 % A1.01E8



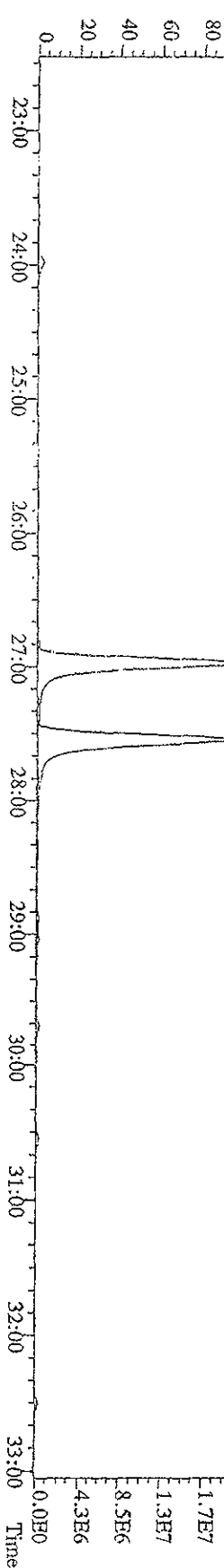
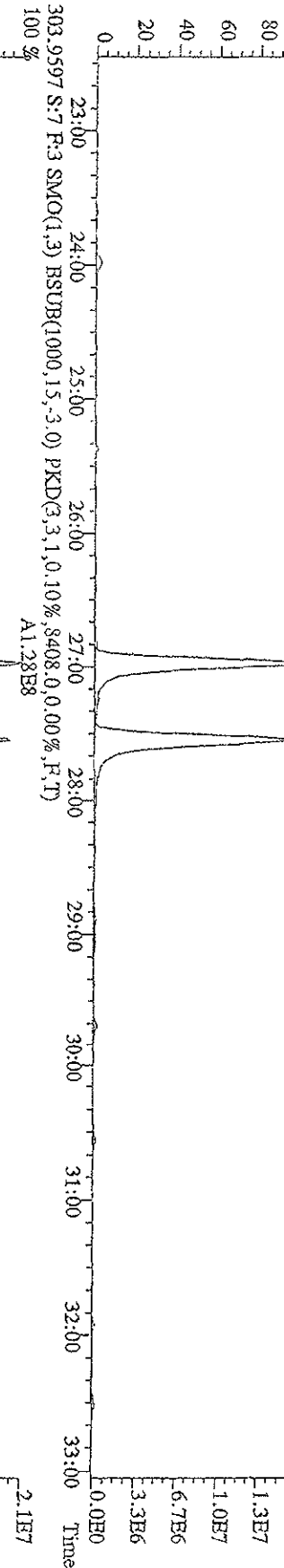
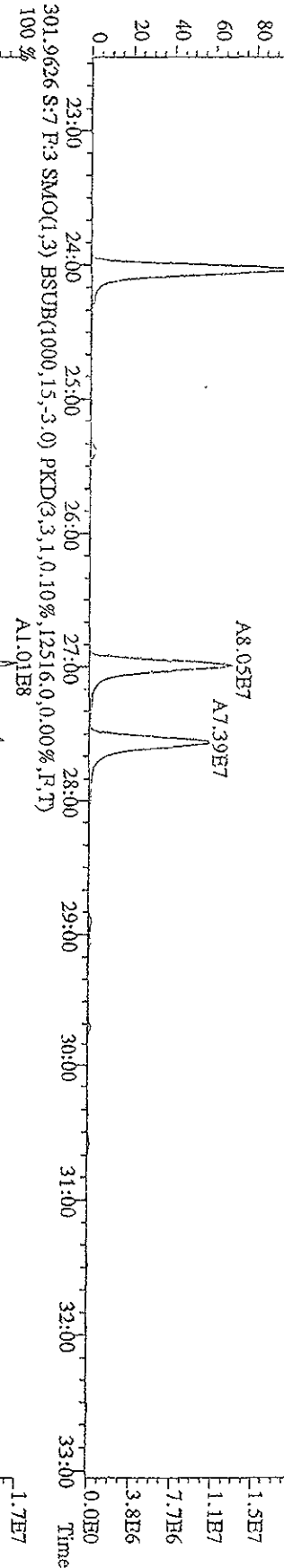
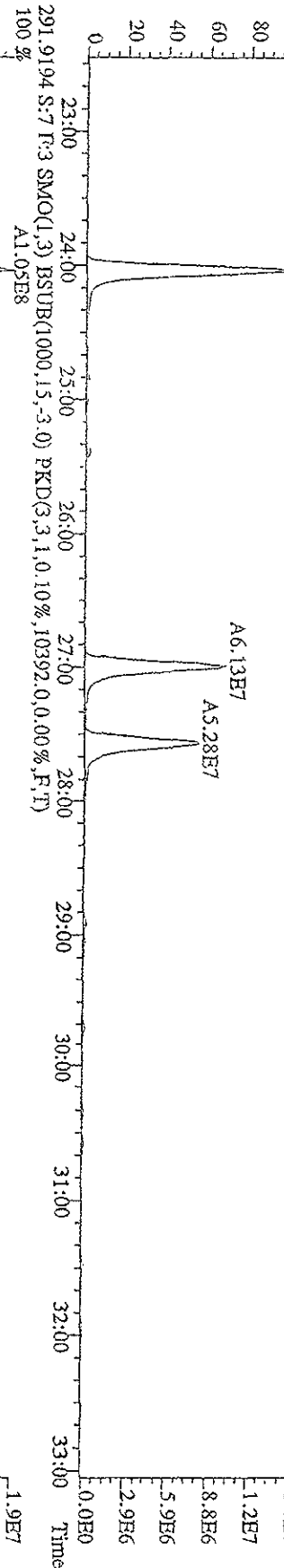
301.9626 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,11612,0,0,00%,F,T)  
 100 % A1.64E8



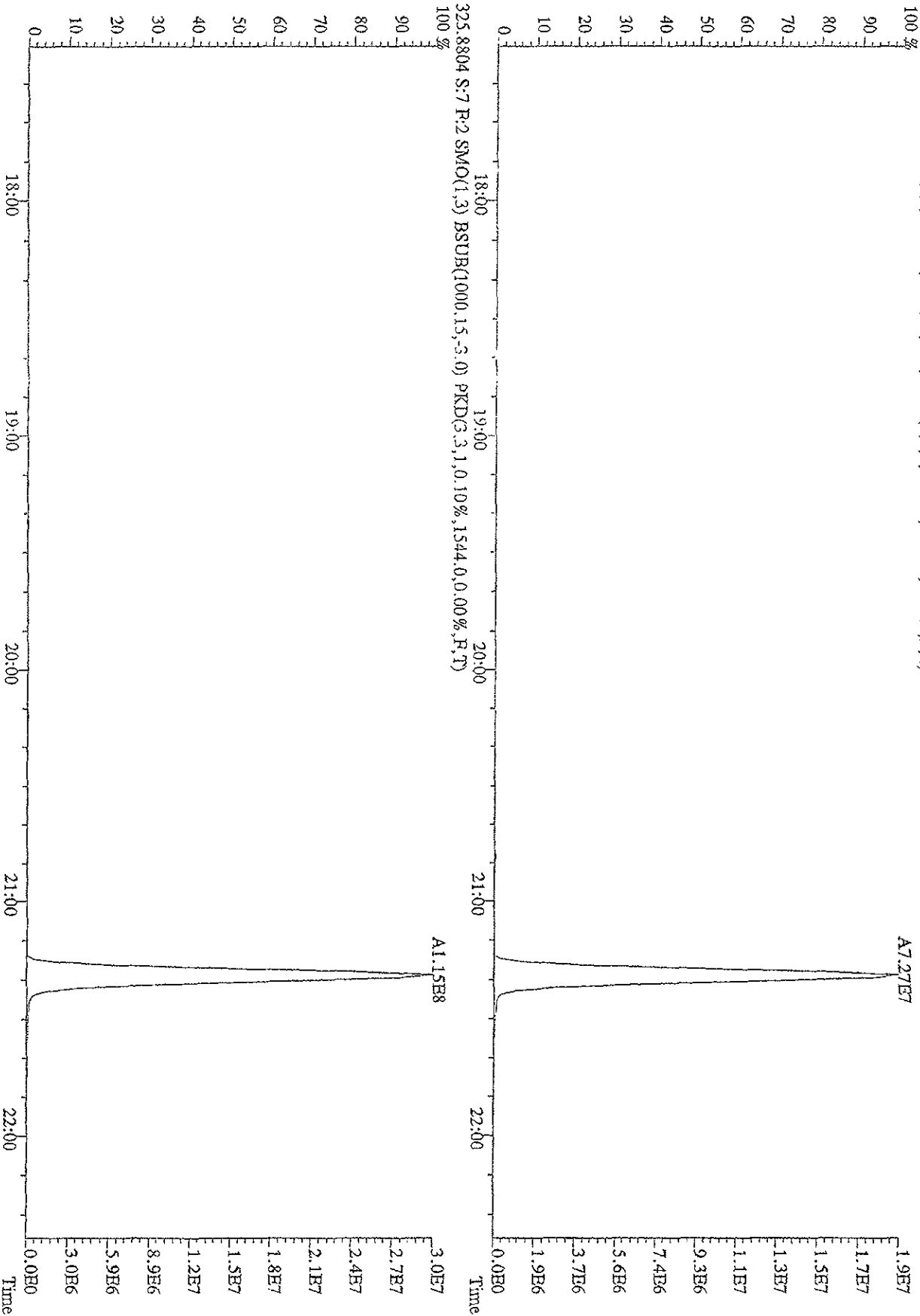
303.9597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,11496,0,0,00%,F,T)  
 100 % A2.01E8



File: 151A09DD5 #1-597 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#7 Text:ST015E 2nd Source 09DXN055 Exp:209DB5  
 289.9224 S:7 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6752,0,0.00%,F,T)  
 100% A7.96E7

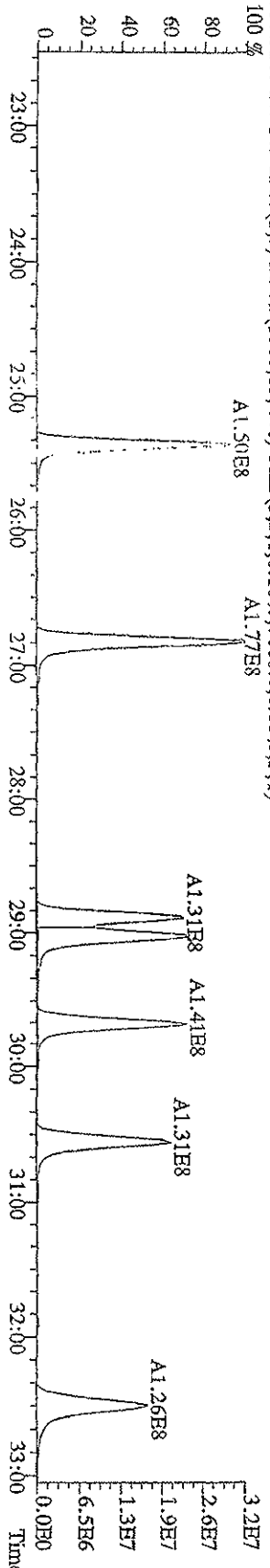
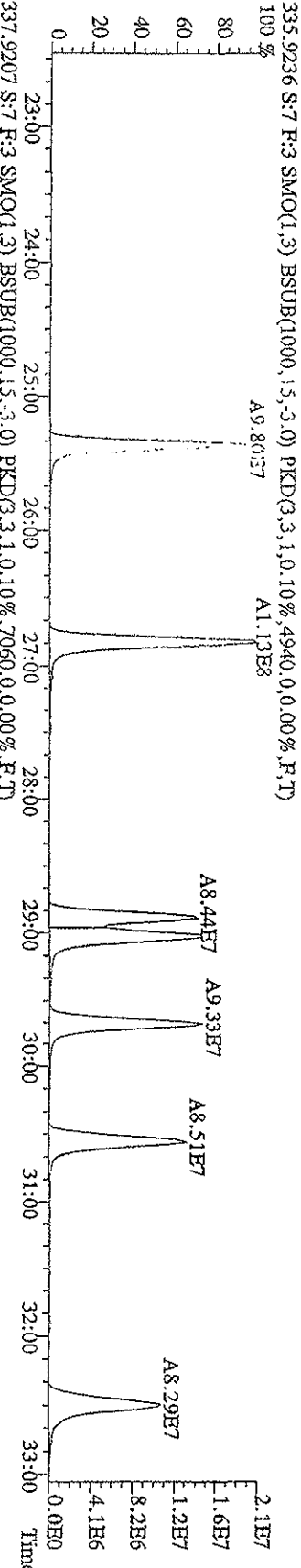
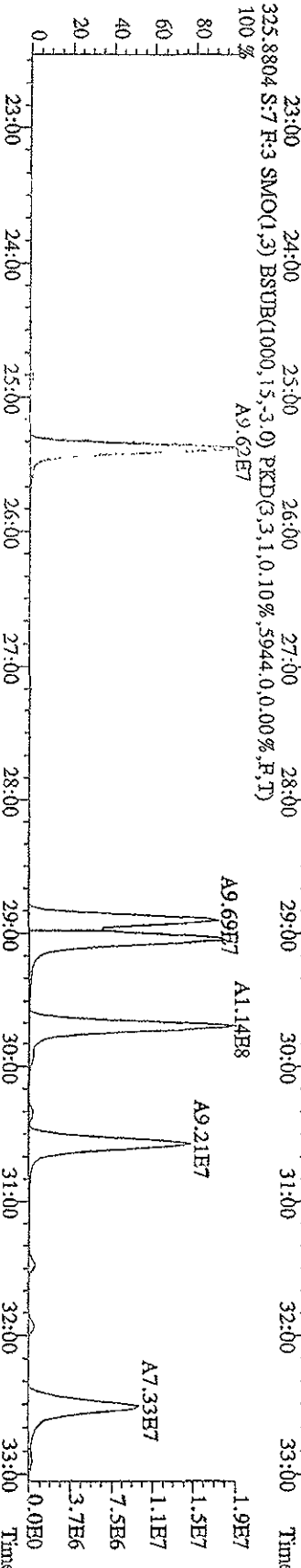
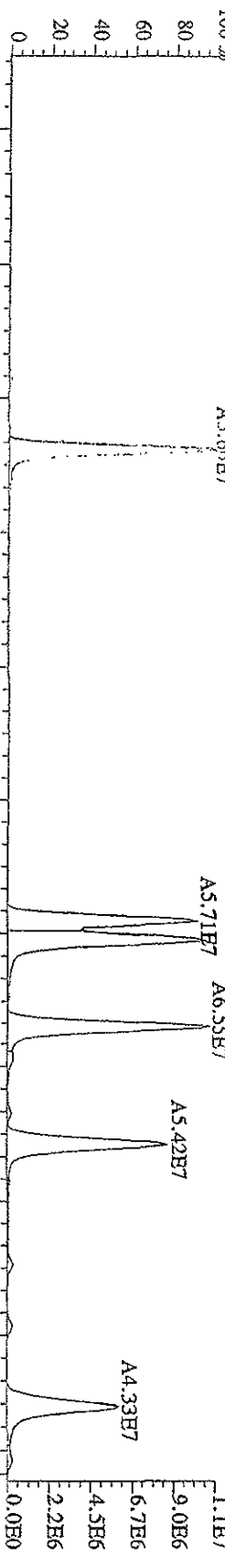


File:151A09DD9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC:EI+ Voltage:51R Autospec-UltimaE  
Sample#7 Text:ST0115E :2nd Source:09DXN055 Exp:209DB5  
323.8834 S:7 R:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1544,0,0,00%,F,T)  
100 %

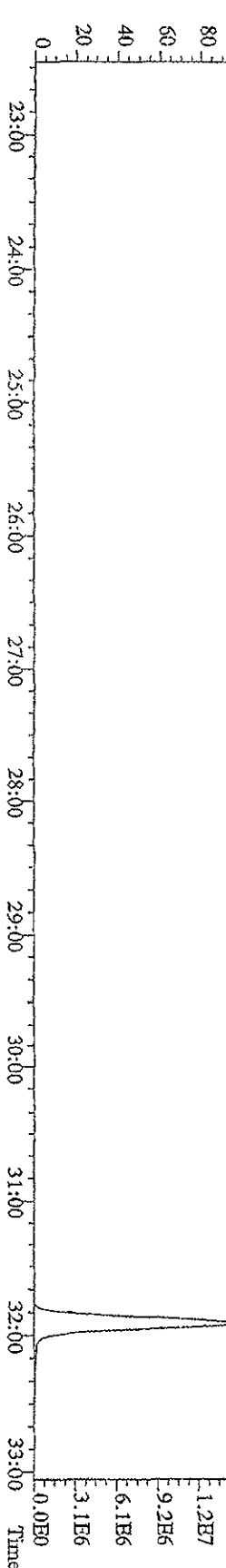
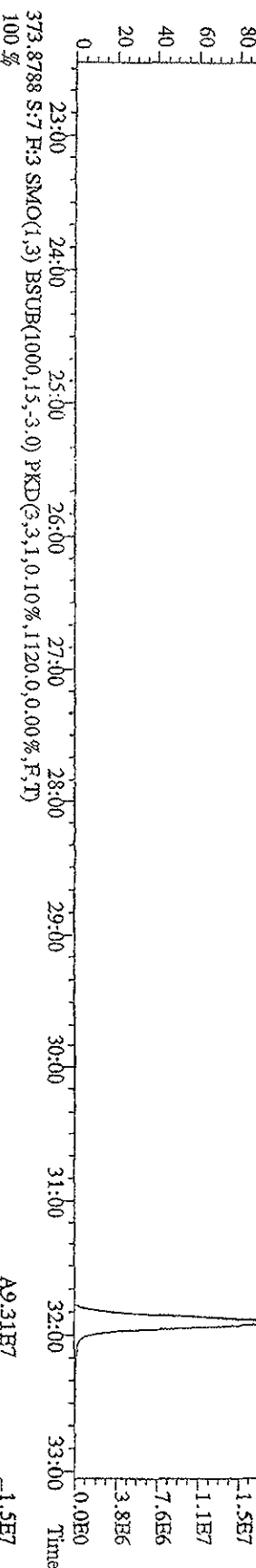
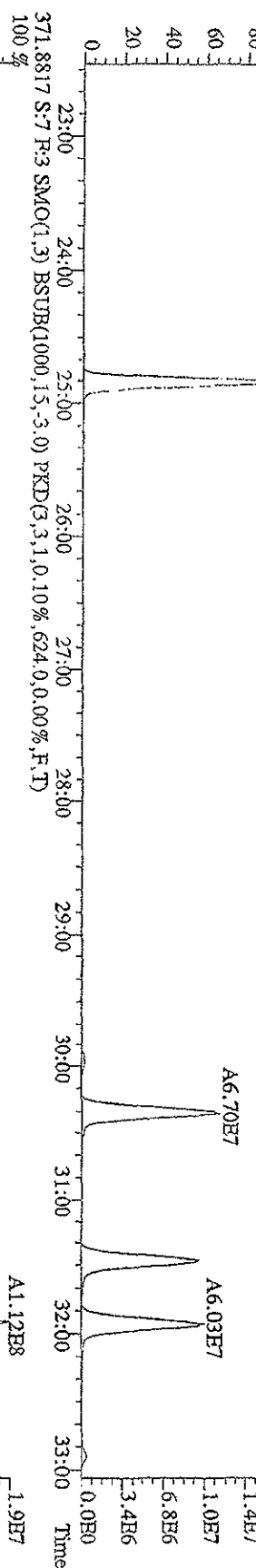
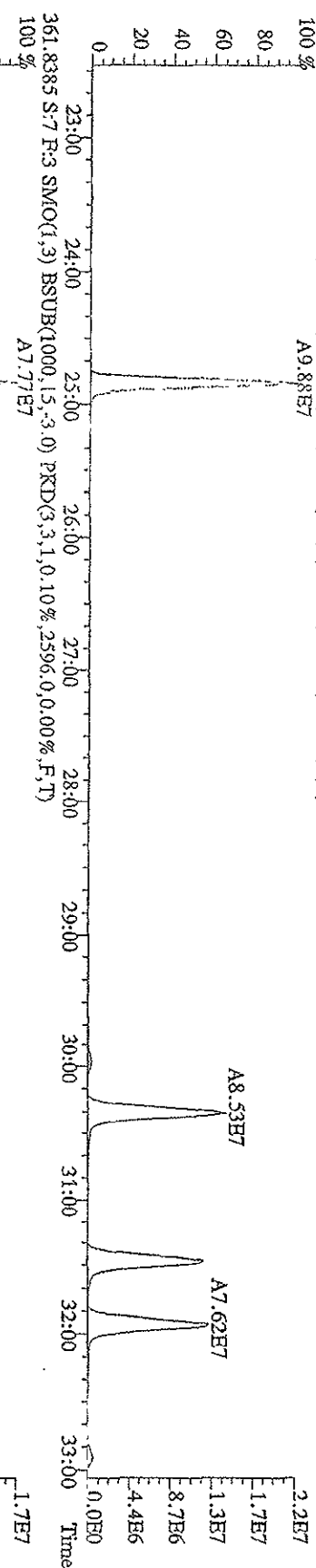


File: 151A09D9D5 #1-597 Acq: 16-JAN-2009 01:33:31 GC HF+ Voltage SIR Autospec-Ultimate

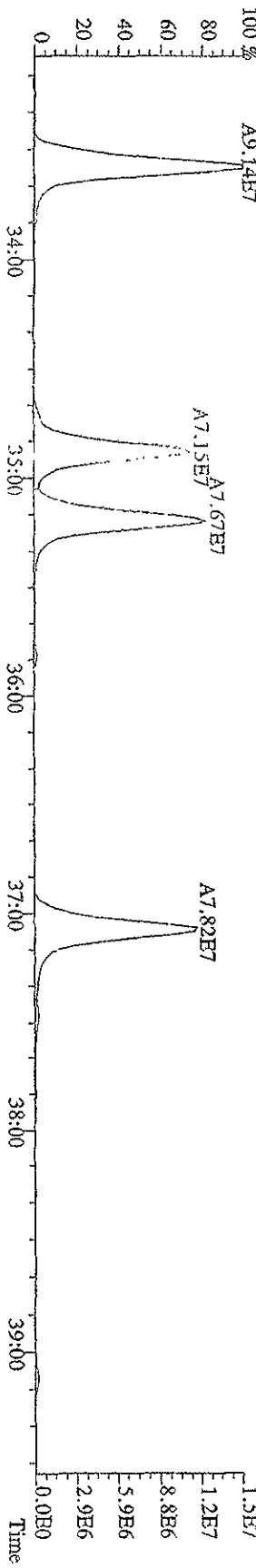
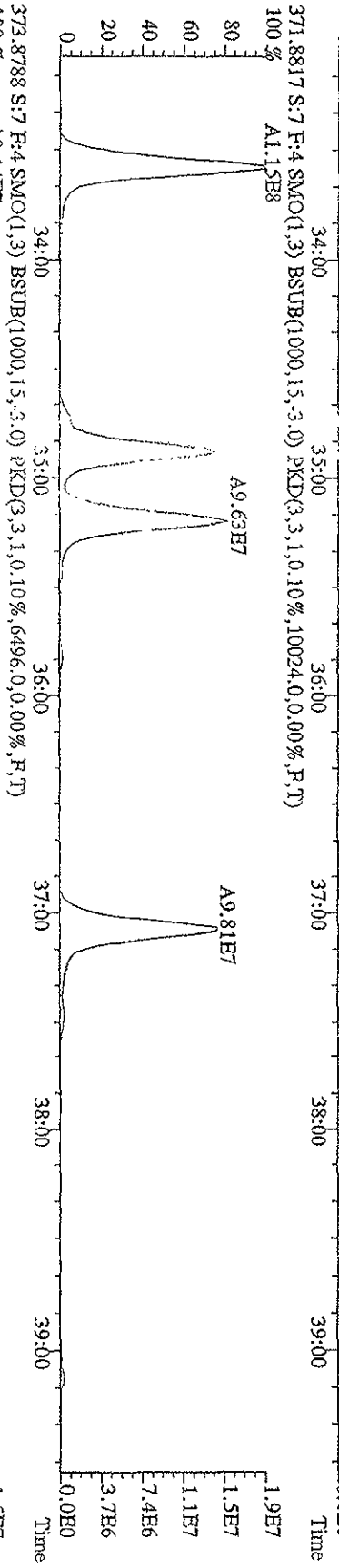
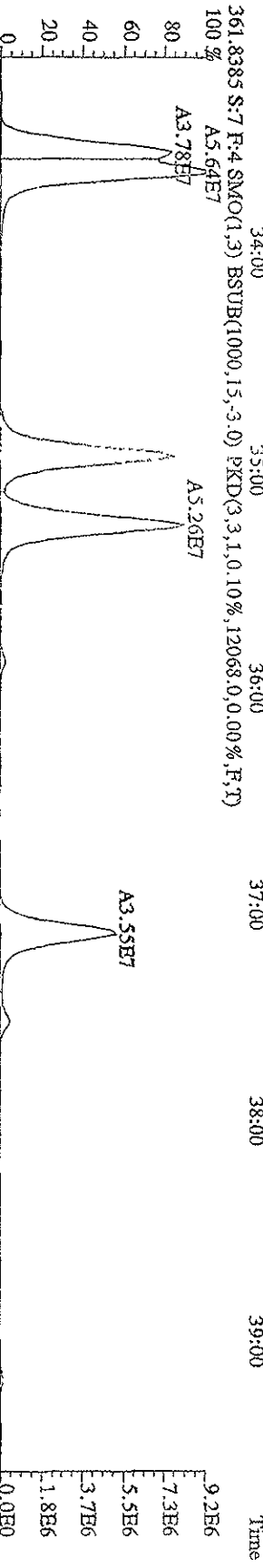
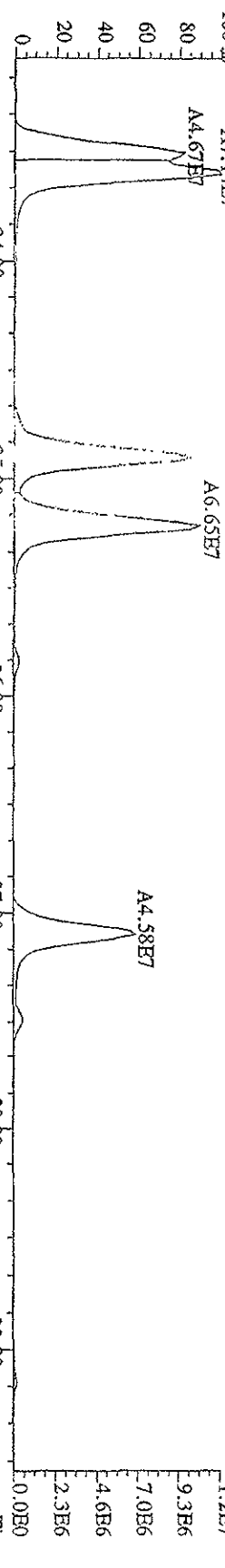
Sample#7 Text: ST011SE 2nd Source 09DXN055 Exp: 209DB5



File:151A09D9D5 #1-597 Acq:16-1AN-2009 01:33:31 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 359.8415 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1748,0,0,00%,F,T)  
 100% A9.88E7

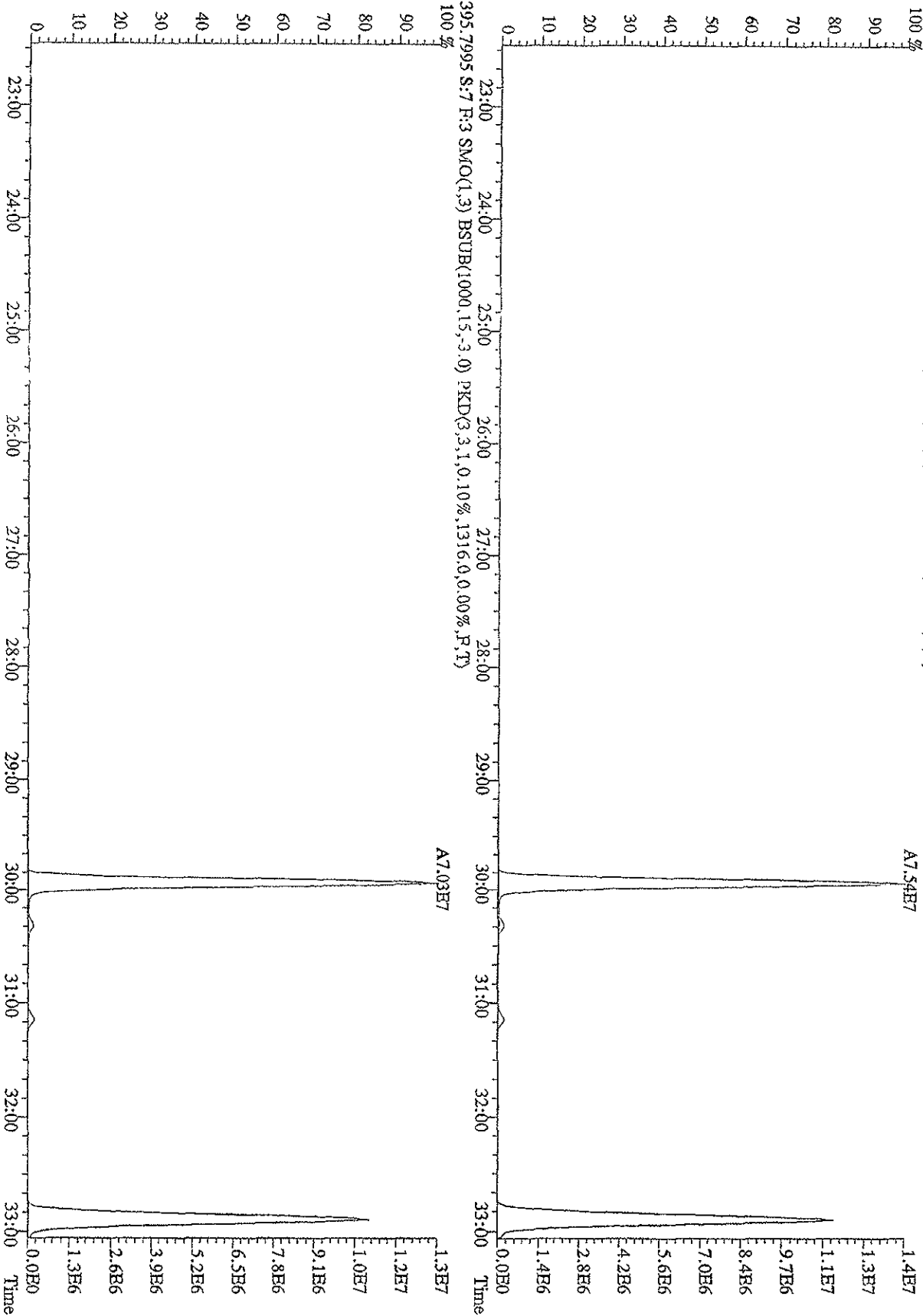


File: 151A09DD9D5 #1-395 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text: ST0115E : 2nd Source 09DXN055 Exp: 209DB5  
 359.8415 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,11588,0,0,00%,F,T)  
 100% A7.14E7

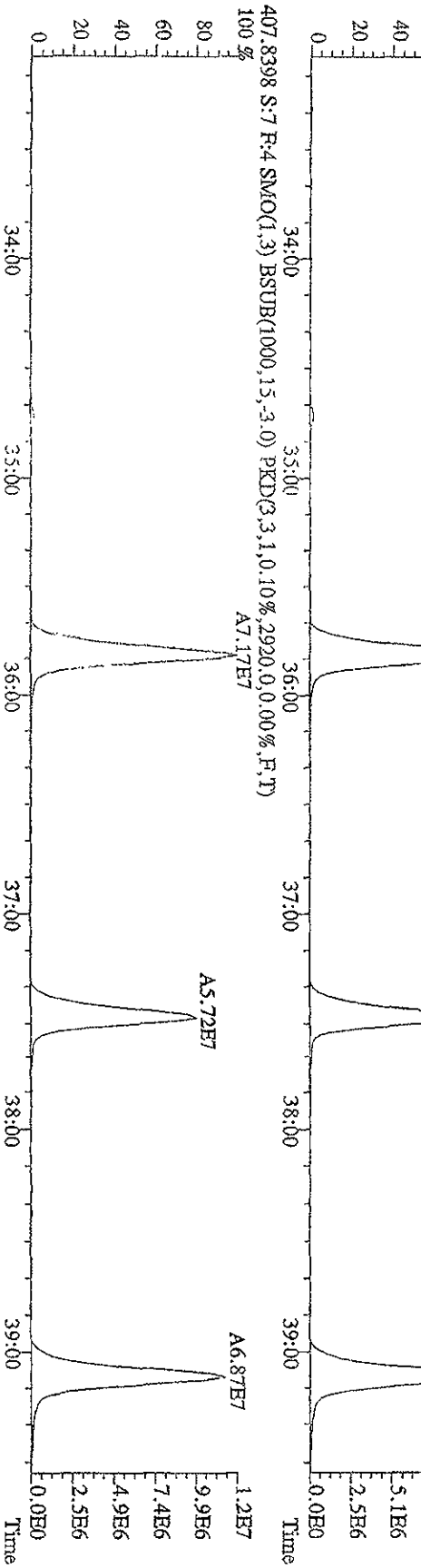
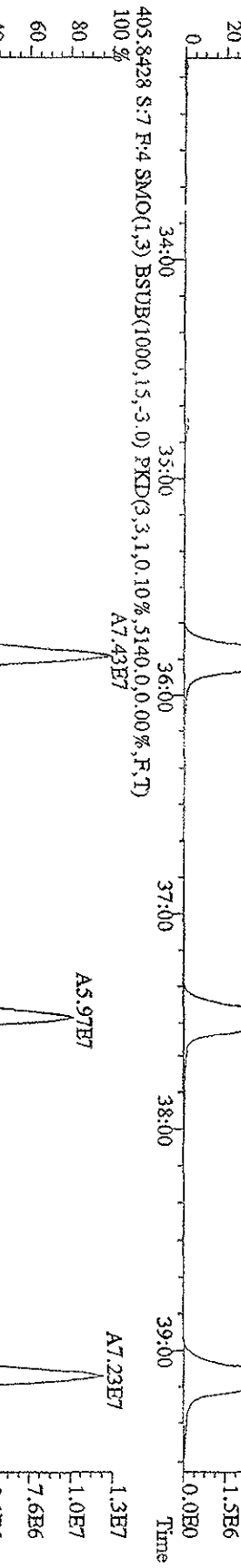
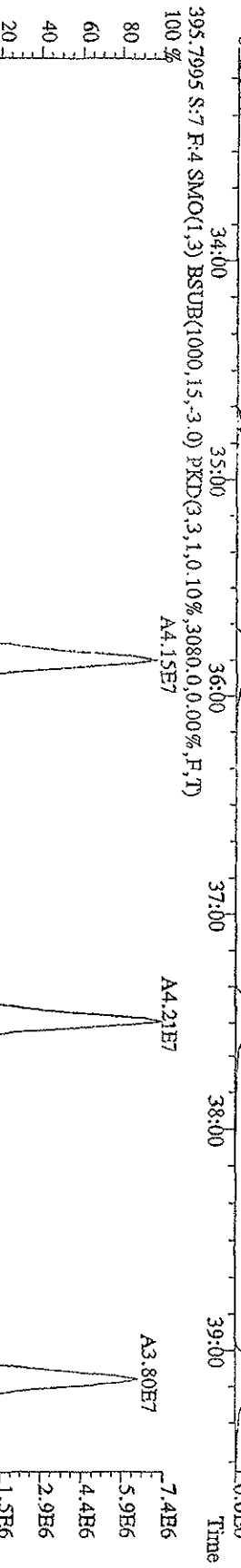
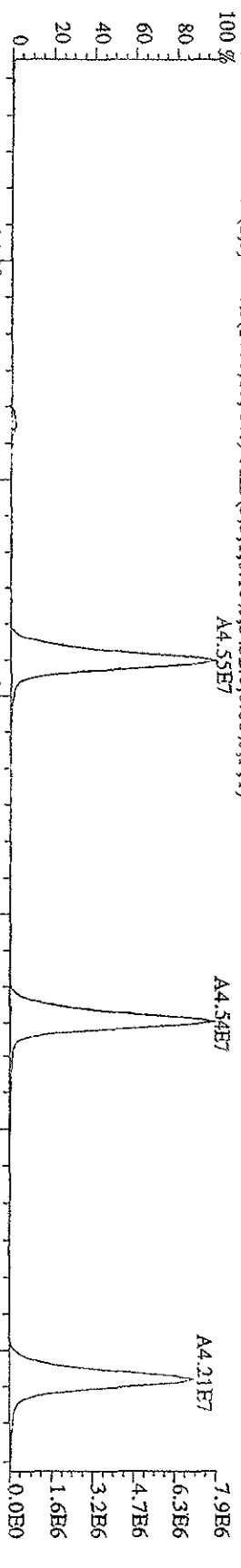




File:151A09D9D5 #1-597 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage 51V Antospec-Ultimate  
Sample#7 Text:ST0115B :2nd Source 09DXN055 Exp:209DB5  
393.8025 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1316,0,0,00%,F,T)

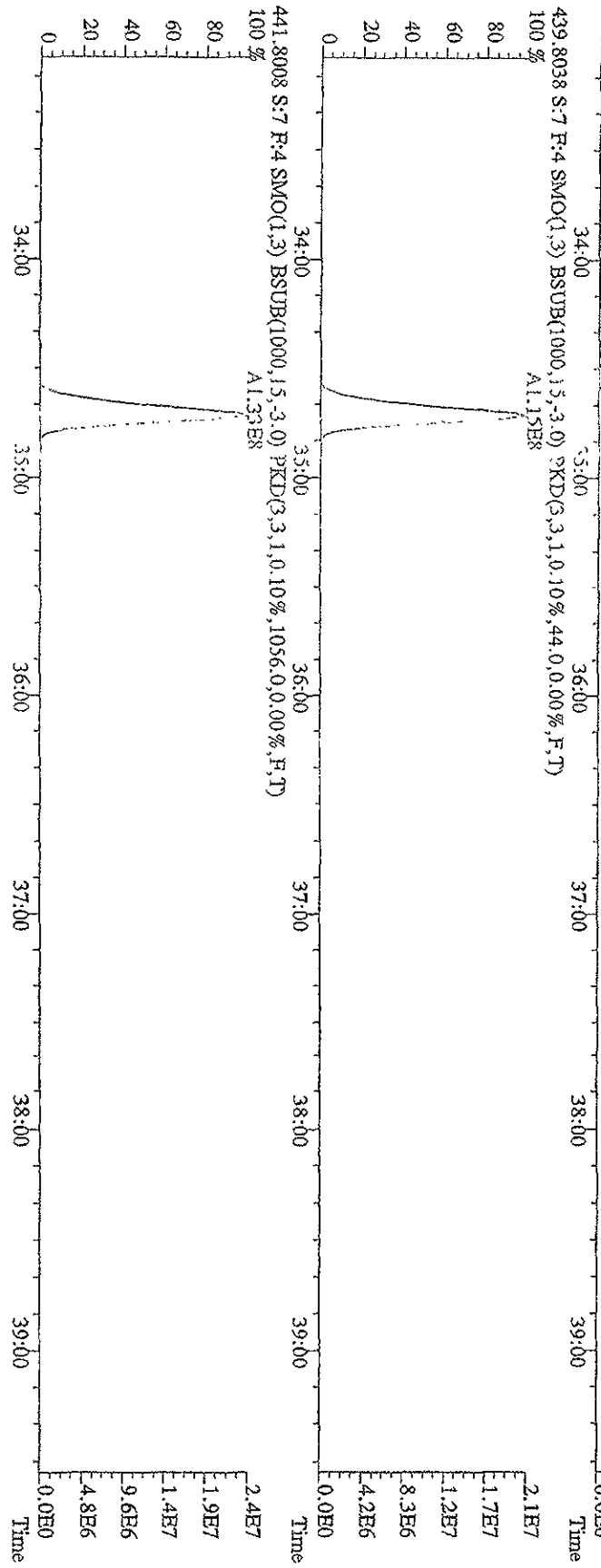
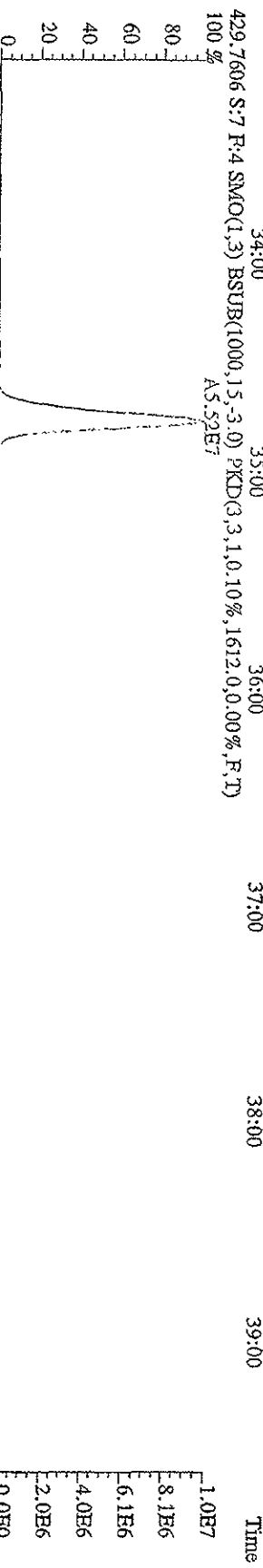


File: 151A09D9D5 #1-395 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text: ST0115E :2nd Source 09DXN055 Exp: 209DB5  
 393.8025 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5432,0,0,00%,F,T)  
 100%

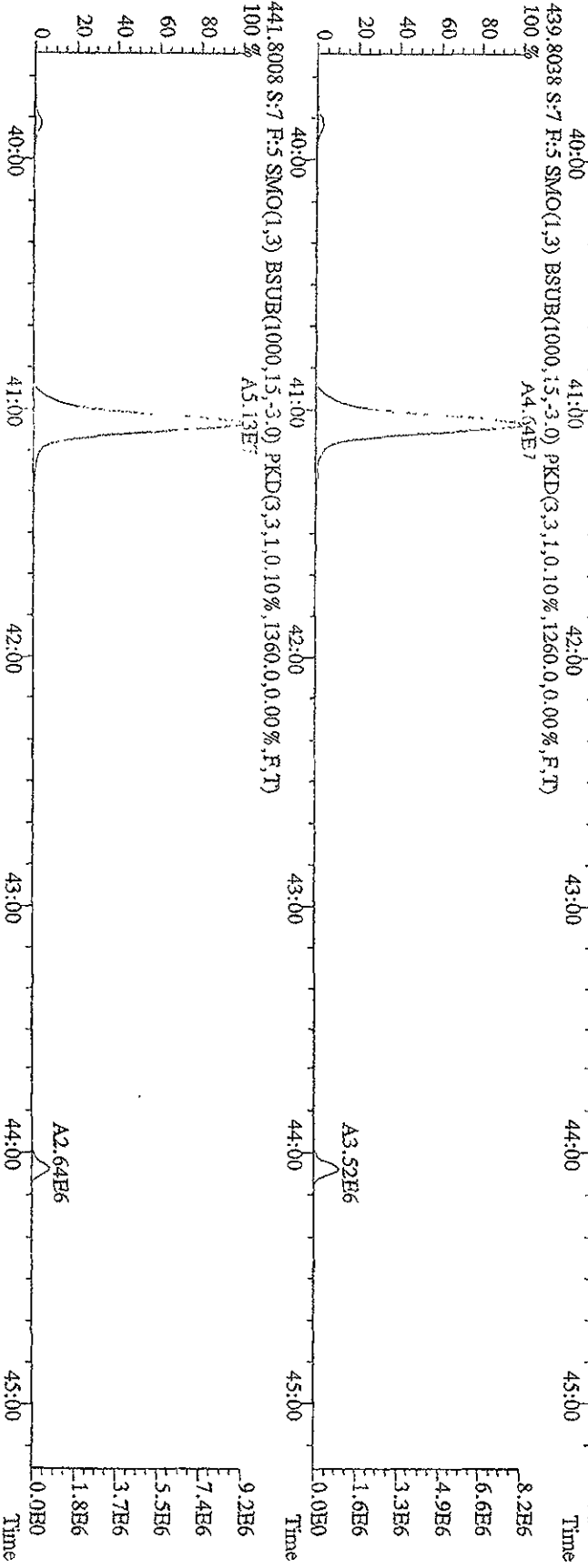
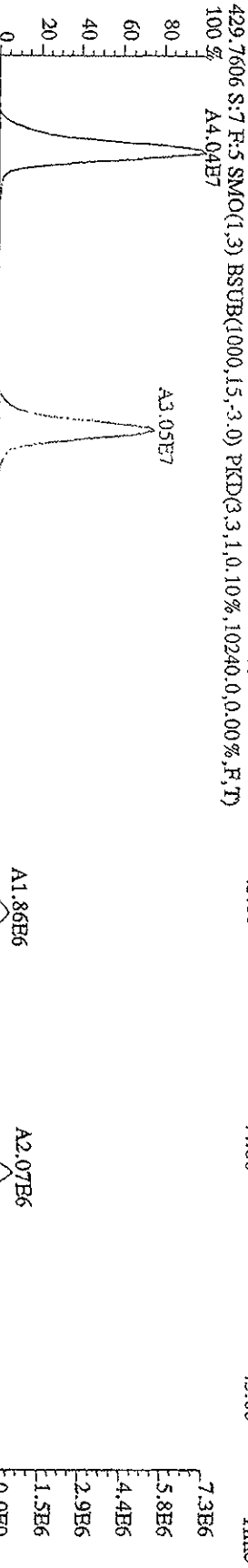
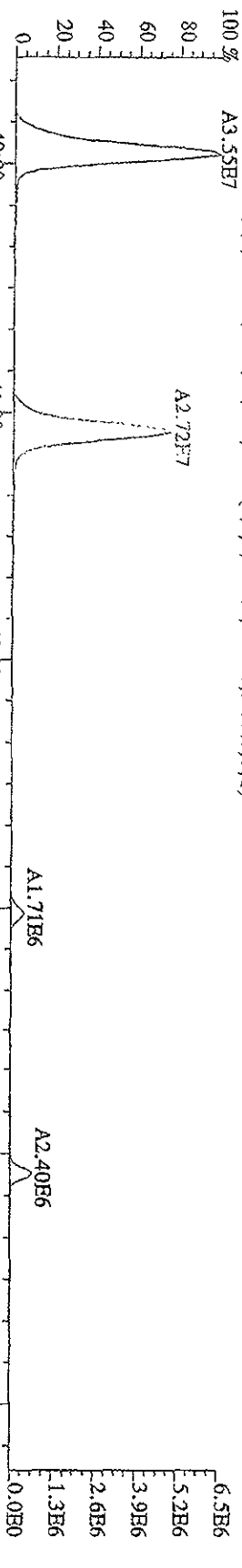


File:151A09D9D5 #1-395 Acq:16-JAN-2009 01:31:31 GC:EI + Voltage:SR Autospec-Ultimat

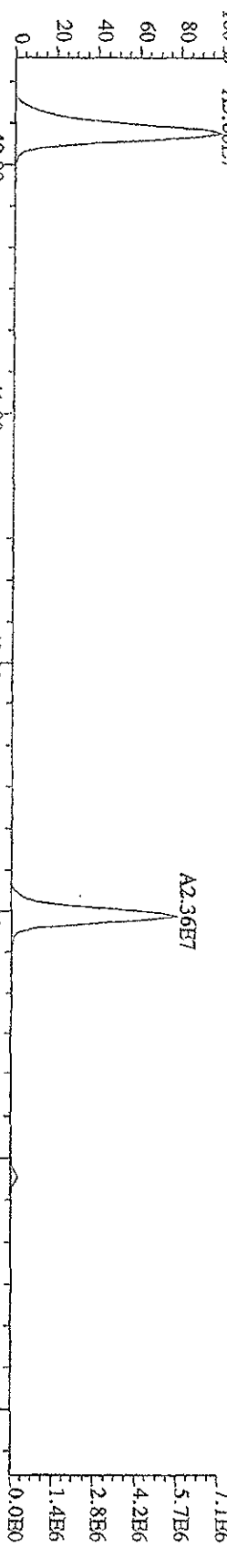
Sample#7 Tent:ST0115E 2nd Source:09DXN055 Exp:209DB5



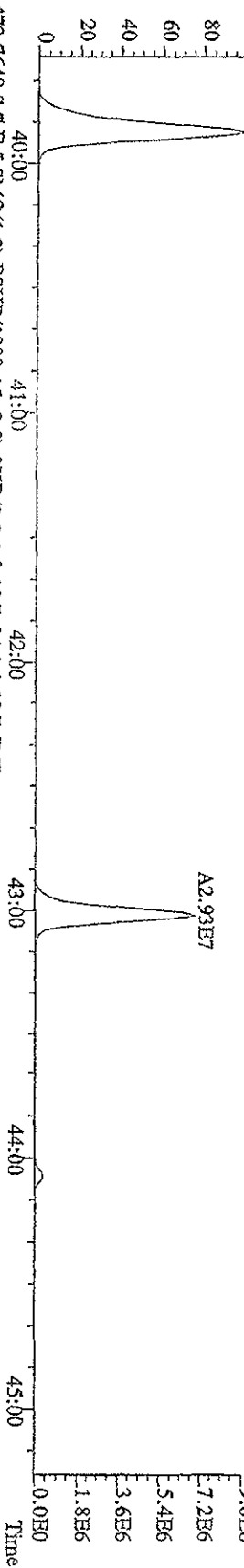
File:151A09DD9D5 #1-378 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UHhmalE  
 Sample#7 Text:ST0115E :2nd Source 09DXN035 Exp:209DB5  
 429.7606 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10240,0,0,00%,F,T)  
 100% A3.55E7



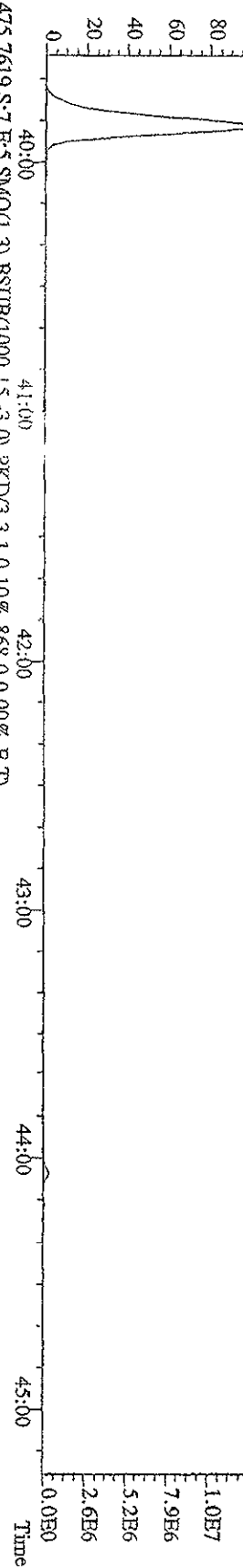
File: 151A09D9D5 #1-378 Acq: 16-JAN-2009 01:35:31 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#7 Text: ST015E :2nd Source 09DXN055 Exp: 209DB5  
 461.7245 S-7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1768,0,0,00%,F,T)  
 100% A3.60E7



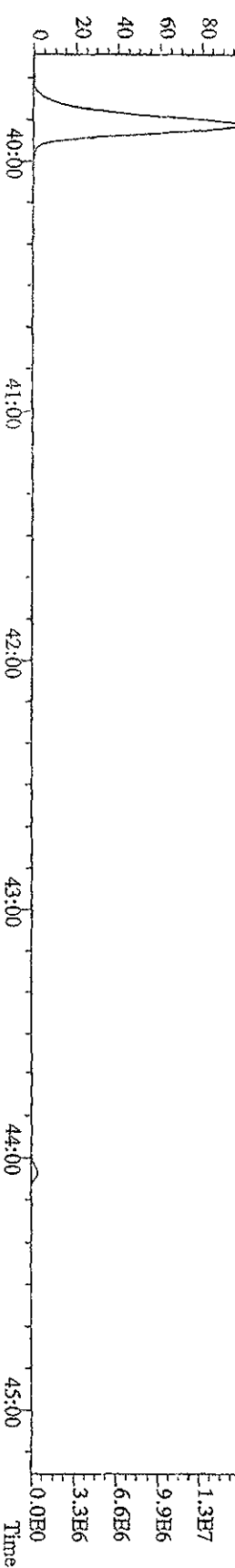
463.7216 S-7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1756,0,0,00%,F,T)  
 100% A4.58E7



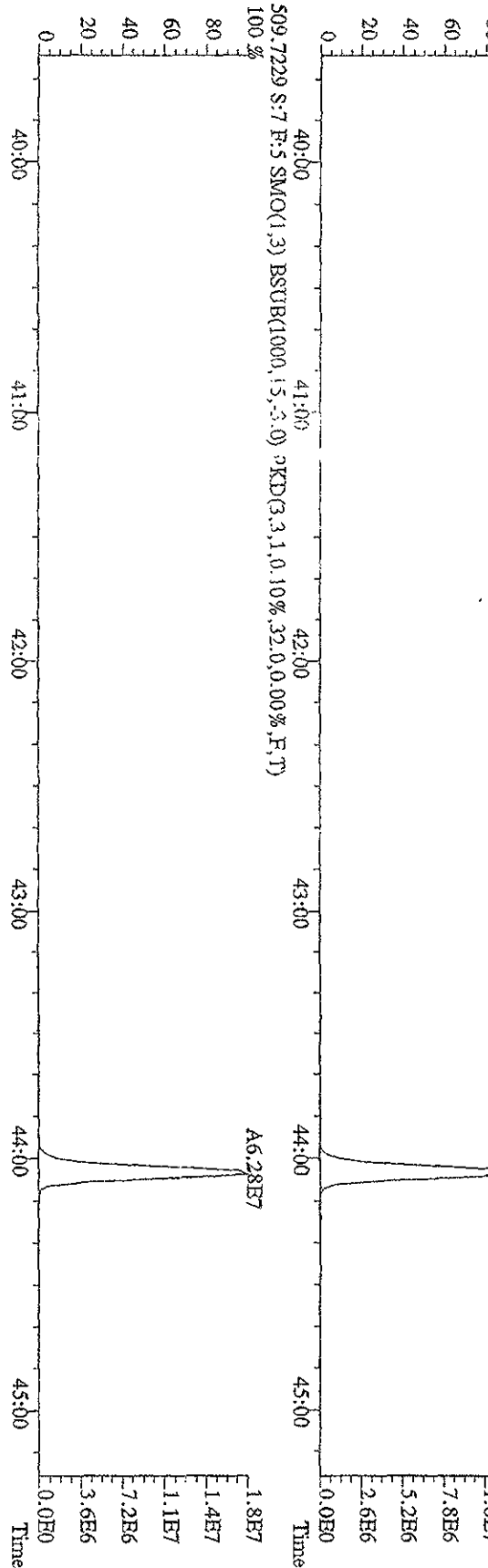
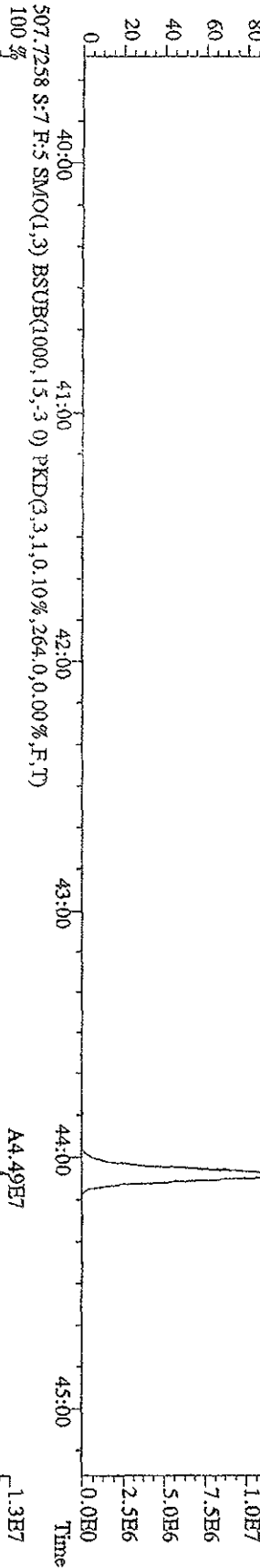
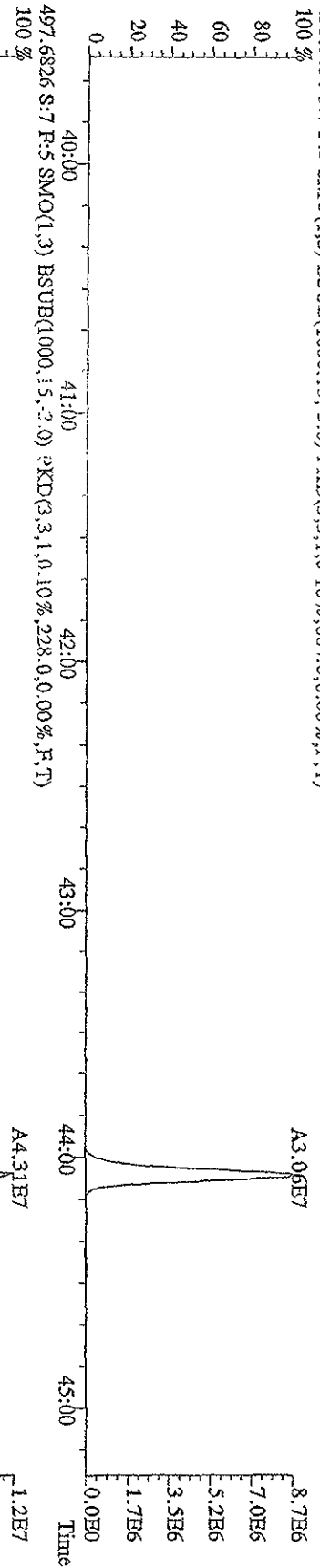
473.7648 S-7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,24,0,0,00%,F,T)  
 100% A6.82E7



475.7619 S-7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,368,0,0,00%,F,T)  
 100% A8.55E7

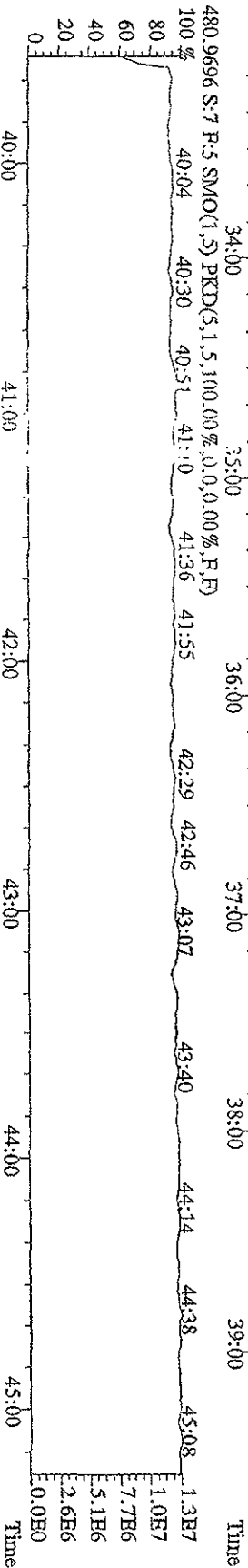
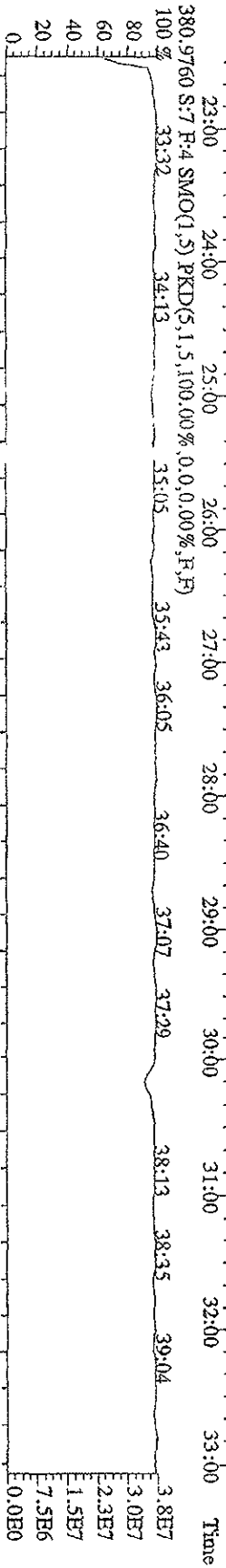
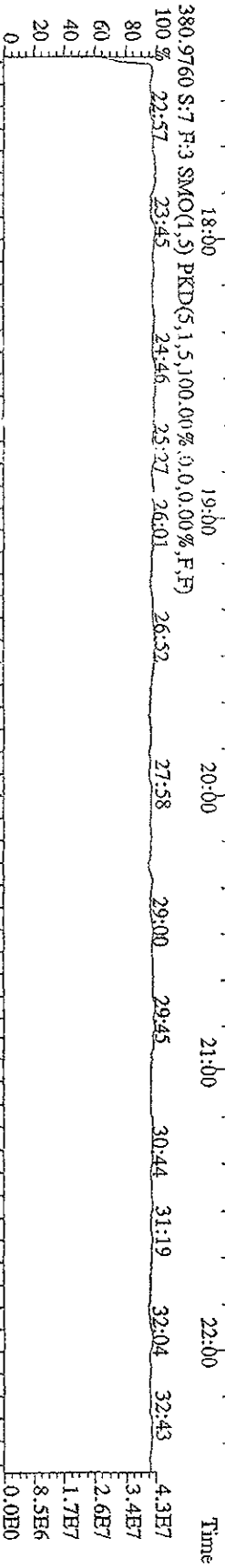
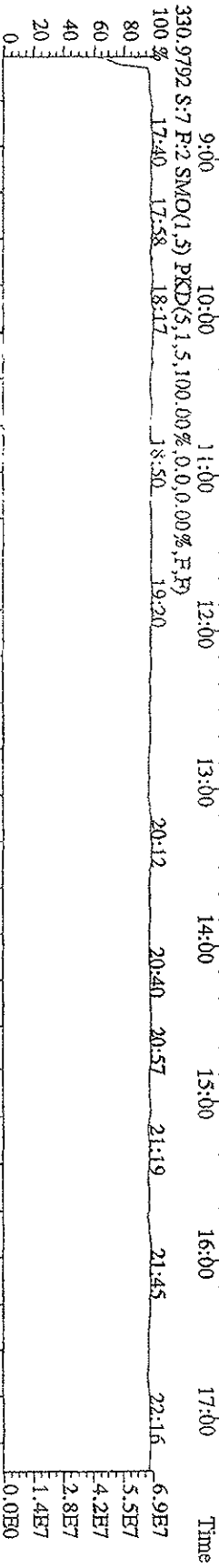
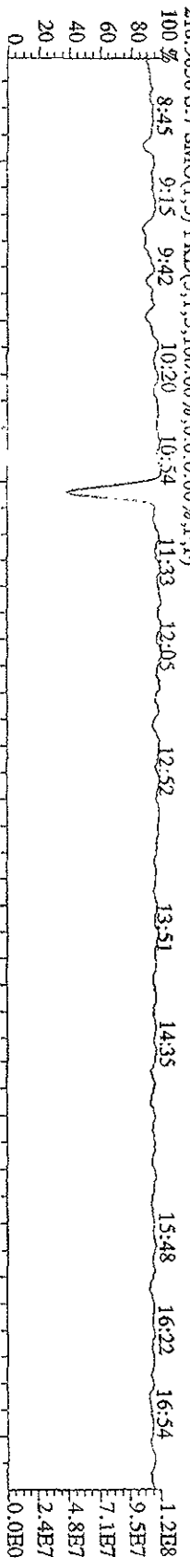


File:15JA09D9D5 #1-378 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#7 Text:ST0115E :2nd Source 09DXNG55 Exp:209DB5  
495.6856 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,664,0,0,00%,F,T)  
100%



File:15TA09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimat

Sample#7 Text:ST0115E :2nd Source 09DXN655 Exp:209DB5



**Sample Extraction/Preparation Log**  
**Copies and Checklists**



**TestAmerica West Sacramento**  
**High Resolution Prep Log**  
**PCB Solid Analysis**

Box # 28  
 Shared QC Batch: Same  
 Shares QC With: NA



Internal COC:	
Delivered to Inst.:	<u>4-20-09</u>
Inst Receipt:	

**Batch: 9106484**  
 MS Run #  
 Prep Date: 4/17/2009  
 Method: Q8 1668  
 Matrix: A SOLID  
 Extraction: 4W SOXHLET (NOMINAL)  
 QC: 6Q CLIENT: STD BZ  
 SAC: Q8 - A - 4W - 6Q

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	<u>G4150120</u>
Hexane	Baker	<u>G41E44</u>
H2SO4	Baker	<u>NA</u>
20% DCM:Hexane	NA	<u>NA</u>
65% DCM:Hexane	NA	<u>NA</u>
Silica Gel	<u>Whatman</u>	<u>22-22</u>
Acid Alumina	<u>NA</u>	<u>NA</u>

Soxhlet time on: 1:00 Soxhlet time off: 0:00

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 10g nom.	Final Volume		Analysis Hold Time Expires
					20uL	Other	
G9D030338 - 1		K9LD21AC	3/31/2010	<u>10.74</u>	/		3/31/2010
G9D030338 - 2		K9LD31AC	3/31/2010	<u>10.75</u>	/		3/31/2010
G9D030338 - 3		K9LD41AC	3/31/2010	<u>10.08</u>	/		3/31/2010
G9D030338 - 4		K9LD51AC	3/31/2010	<u>10.12</u>	/		3/31/2010
G9D030338 - 5		K9LD61AC	4/1/2010	<u>10.26</u>	/		4/1/2010
G9D030338 - 6		K9LD71AC	4/1/2010	<u>10.18</u>	/		4/1/2010
G9D030338 - 6	S	K9LD71AD	4/1/2010	<u>10.09</u>	/		4/1/2010
G9D030338 - 6	D	K9LD71AE	4/1/2010	<u>10.30</u>	/	<u>4-20-09</u>	4/1/2010
G9D030338 - 7		K9LD81AC	4/1/2010	<u>10.09</u>	/		4/1/2010
G9D030338 - 8		K9LD91AC	4/1/2010	<u>10.26</u>	/		4/1/2010
G9D030338 - 8	X	K9LD91AD	4/1/2010	<u>10.45</u>	/		4/1/2010
G9D160000 - 484	B	K98KC1AA	3/31/2010	<u>10.00</u>	/		3/31/2010
G9D160000 - 484	C	K98KC1AC	3/31/2010	<u>10.00</u>	/		3/31/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs: \_\_\_\_\_

	ID	Spike Exp Date:	Spiked By	Witnessed By:	Date:	
Internal Standard All Samples	<u>100.DM10210XN1AB</u>	<u>10.25.10</u>	<u>J</u>	<u>OC</u>	<u>4.17.09</u>	
Spike Mix LCS/LCSD/MS/MS	<u>100.DM10210XN1AB</u>	<u>4.15.09</u>	<u>J</u>	<u>OC</u>	<u>4.17.09</u>	
Cleanup Standard All Samples	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	
Recovery Standard All Samples	<u>21.04.09DXN104</u>	<u>1-28-2010</u>	<u>J</u>	<u>OC</u>	<u>4-20-09</u>	
Soxhlet Extraction Analyst/Date	<u>OC/4.17.09</u>					
	Split/Archive Analyst/Date	Option C Analyst/Date	PCB Silica Gel Analyst/Date	PCB Acid Alumina Analyst/Date	Hg Analyst/Date	GPC Analyst/Date
	<u>—</u>	<u>—</u>	<u>T.L.04/20/09</u>	<u>—</u>	<u>—</u>	<u>—</u>

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 4/20/09  
Time: 14:49:34

LEV	LEV	LEV	LEV
1	2	1	2
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y

Blank  
Check  
MS/MSD

Weights/Volumes  
Spike & Surrogate Worksheet  
Vial contains correct volume  
Labels, greenbars, worksheets  
computer batch: correct & all match  
Anomalies to Extraction Method

Expanded Deliverable  
COC Completed  
Bench Sheet Copied  
Package Submitted to Analytical Group  
Bench Sheet Copied per COC

Extractionist: 002084 Ceasar Cortez

Concentrationist: 006625 Elizabeth Nguyen

\*\*\*\*\*  
\* QC BATCH: 9106484 \*  
\* PREP DATE: 4/17/09 17:00 \*  
\* COMP DATE: 4/20/09 9:00 \*  
\*\*\*\*\*

Reviewer/Date: NGUYENE / 4/20/09

PCBS, HRGC/HRMS (1668)  
SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ TEST	FLGS	EXT	MTH	MATRIX	INIT WT/VOL	PH'S ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID	SPIKE STANDARD/ SURROGATE ID
3/31/10	5/01/09	G9D030338-001 K9LD2-1-AC	4W Q8	SOLID	10.24g 20.00uL	NA	NA	NA	300.0	TOL	.0	100.0UL	IS 09DXN148	
3/31/10	5/01/09	G9D030338-002 K9LD3-1-AC	4W Q8	SOLID	10.23g 20.00uL	NA	NA	NA	300.0	TOL	.0	100.0UL	IS 09DXN148	
3/31/10	5/01/09	G9D030338-003 K9LD4-1-AC	4W Q8	SOLID	10.08g 20.00uL	NA	NA	NA	300.0	TOL	.0	100.0UL	IS 09DXN148	
3/31/10	5/01/09	G9D030338-004 K9LD5-1-AC	4W Q8	SOLID	10.16g 20.00uL	NA	NA	NA	300.0	TOL	.0	100.0UL	IS 09DXN148	
4/01/10	5/01/09	G9D030338-005 K9LD6-1-AC	4W Q8	SOLID	10.28g 20.00uL	NA	NA	NA	300.0	TOL	.0	100.0UL	IS 09DXN148	
4/01/10	5/01/09	G9D030338-006 K9LD7-1-AC	4W Q8	SOLID	10.18g 20.00uL	NA	NA	NA	300.0	TOL	.0	100.0UL	IS 09DXN148	
4/01/10	5/01/09	G9D030338-006 K9LD7-1-ADS	4W Q8	SOLID	10.09g 20.00uL	NA	NA	NA	300.0	TOL	.0	100.0UL	NS STD0145-08 IS 09DXN148	

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 4/20/09  
Time: 14:49:34

\*\*\*\*\*  
\* QC BATCH: 9106484 \*  
\* PREP DATE: 4/17/09 17:00  
\* COMP DATE: 4/20/09 9:00  
\*\*\*\*\*

EXTR EXPR	ANL DUE	LOT# WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S ADJT	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID
	4/01/10	5/01/09	G9D030338-006 K9LD7-1-AED	4W	Q8 SOLID	10.30g 20.00uL	NA	NA	300.0	300.0	.0 100.0UL NS STD0145-08 100.0UL IS 09DXN148
COMMENTS:											
	4/01/10	5/01/09	G9D030338-007 K9LD8-1-AC	4W	Q8 SOLID	10.09g 20.00uL	NA	NA	300.0	300.0	.0 100.0UL IS 09DXN148
COMMENTS:											
	4/01/10	5/01/09	G9D030338-008 K9LD9-1-AC	4W	Q8 SOLID	10.26g 20.00uL	NA	NA	300.0	300.0	.0 100.0UL IS 09DXN148
COMMENTS:											
	4/01/10	5/01/09	G9D030338-008 K9LD9-1-ADX	4W	Q8 SOLID	10.43g 20.00uL	NA	NA	300.0	300.0	.0 100.0UL IS 09DXN148
COMMENTS:											
	3/31/10	0/00/00	G9D160000-484 K98KC-1-AAB	4W	Q8 SOLID	10.00g 20.00uL	NA	NA	300.0	300.0	.0 100.0UL IS 09DXN148
COMMENTS:											
	3/31/10	0/00/00	G9D160000-484 K98KC-1-ACC	4W	Q8 SOLID	10.00g 20.00uL	NA	NA	300.0	300.0	.0 100.0UL NS STD0145-08 100.0UL IS 09DXN148
COMMENTS:											

R = RUSH C = CLP  
E = EPA 600 D = EXP.DEL)  
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 13

Preparation Data Review Checklist

Prep Batch(es) 91010484 Test: 116685  
 Prep Date: 4.17.09 Holding Times: 13.21.10 NCM: Y (N)  
4.1.10

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: George Cartas Date: 4.17.09

2<sup>nd</sup> Level Reviewer: ELG Date: 4/20/09

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Method ID 11668

Lot # G9D030388

Analyst (Print Name) K Sturgeon

Analyst Initials KAS

Date 5/21/09

<u>Sample#</u>	<u>Original F.V. (uL)</u>	<u>Aliquot (uL)</u>	<u>Dilution F.V. (uL)</u>	<u>Dilution Factor</u>
1-7	20ul	2ul 5ul	10ul	5X

Comments:

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Data Checklist  
HRGCMS/LRGCMS Analyses

Batch #: 9106484 Method ID: 1668

Data Analyst: VP **DB-5** **DB-225**  
 Date initiated: 5.6.09  
 Reviewer: [Signature]  
 Date reviewed: 5/18/09

QA/QC verification: Center (1/1/09)

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Method Blank present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-LCS/DCS copy present and meets native recovery criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Internal standard recoveries within limits?*	<input checked="" type="checkbox"/> (104)	<input checked="" type="checkbox"/>		
-Ion ratios within + 15% of theoretical values?	<input checked="" type="checkbox"/> (2)	<input checked="" type="checkbox"/>		
-Other QC (Dup,MS,SD) within specs?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Sample Analysis:

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-All raw data present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Standard target DL's used? If RL's are used specify: <u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-DL's below TDL / LCL (please circle)?	<input checked="" type="checkbox"/> (3)	<input checked="" type="checkbox"/>		
-All positives reported at levels greater than method blank DL's?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Correct RRF's used for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Internal standard amounts correct for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Target analytes are not saturated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Dilution/splitting of extract taken into account?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Have dilution calculations been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Has a manual calculation for the sequence(s) been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Are retention times (RT) correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Manual integrations checked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Comments: (Use other side if necessary)  
 (1) 07-0091737 (2) 07-0091728 (4) 07-0091729  
 (3) 07-0091730

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)	50%
PCBs:	25-150%***	50%
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	
Method 1614:	25-150%***	

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

# SOLID, D 2216-90, Percent Moisture

# % Moisture/Solid Worksheet

QCBATCH: 9118505

Analyzed by: FRANCISF

Report created: 4/29/09 7:12:38 AM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G9D030338-1	K9LD21AA	1.28	6.21	6.10	0.11	2.23	97.77	0.1		4/29/09 7:11:22 AM
G9D030338-1	K9LD21AD	1.28	5.92	5.80	0.12	2.59	97.41	0.1		4/29/09 7:11:31 AM
G9D030338-2	K9LD31AA	1.28	5.43	5.33	0.10	2.41	97.59	0.1		4/29/09 7:11:39 AM
G9D030338-3	K9LD41AA	1.28	5.13	5.10	0.03	0.78	99.22	0.1		4/29/09 7:11:46 AM
G9D030338-4	K9LD51AA	1.27	5.43	5.39	0.04	0.96	99.04	0.1		4/29/09 7:11:54 AM
G9D030338-5	K9LD61AA	1.27	5.72	5.65	0.07	1.57	98.43	0.1		4/29/09 7:12:02 AM
G9D030338-6	K9LD71AA	1.27	6.06	5.96	0.10	2.09	97.91	0.1		4/29/09 7:12:10 AM
G9D030338-7	K9LD81AA	1.27	5.18	5.11	0.07	1.79	98.21	0.1		4/29/09 7:12:17 AM
G9D030338-8	K9LD91AA	1.27	5.40	5.05	0.35	8.47	91.53	0.1		4/29/09 7:12:26 AM

✓  
50R  
4.29.09

All weights are in grams.

Sample weights (wet & dry) include the weight (tare) of the sample pan.

Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).

% Water = (Wt. Diff./sample wet weight - pan tare)\*100

% Solid = 100 - percent Water



May 19, 2009

**TestAmerica Project Number: G9D030340**

PO/Contract: 0742-816-02

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on April 3, 2009. These samples are associated with your KHF VEGETATION project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

## Table of Contents

# TestAmerica West Sacramento Project Number G9D030340

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

WATER, 1668, WHO PCB congeners

Samples: 6, 7

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture

Samples: 1, 2, 3, 4, 5

Sample Data Sheets

Laboratory QC Reports

Full Raw Data Package

## Case Narrative

### TestAmerica West Sacramento Project Number G9D030340

#### General Comments

Each solid sample had 10 separate jars. As requested, all 10 jars were homogenized & composited. The material in each of the 10 jars was homogenized by blending it in a food processor with dry ice. After all 10 jars were homogenized, 3 grams from each jar were combined into a separate container and mixed to create a composite sample. These composite samples were used for the PCB analyses and percent moisture calculations.

#### SOLID, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5

All samples were analyzed at a 10X dilution due to matrix interferences. The detection limits were elevated accordingly. Some of the internal standard recoveries remain high even with the dilution due to interferences with the recovery standard. There should be no impact on the data.

Samples: 1, 2, 3, 4, 5

These samples were not able to be concentrated to the normal final volume of 20 microliters due to matrix issues. The detection limits were elevated accordingly.

Sample: 2

The 13C-PCB-202 recovery standard did not meet ion abundance ratio acceptance criteria for this sample. Theoretical areas were used to quantitate the associated internal standard recoveries. There should be no impact on the data.

Sample: 2, 3

The 13C-PCB-81 internal standard did not meet ion abundance ratio acceptance criteria for these samples. Theoretical areas were used to quantitate the internal standard recoveries and related target analytes. There should be no impact on the data.

Sample: 2

The PCB 77 detection limit was elevated for this sample due to matrix interferences. This elevated detection limit has been flagged with a 'G' qualifier and may be considered a maximum possible concentration.

Samples: 3

The PCB 118 result for this sample has been flagged with a 'Q' qualifier since its ion abundance ratio did not meet acceptance criteria. This analyte has been reported as an 'estimated maximum possible concentration' (EMPC) since its quantitation was based on a theoretical ion abundance ratio.

## Case Narrative

### TestAmerica West Sacramento Project Number G9D030340

Samples: 5

The PCB-105 result for this sample has been flagged with a 'Q' qualifier since its ion abundance ratio did not meet acceptance criteria. This analyte has been reported as an 'estimated maximum possible concentration' (EMPC) since its quantitation was based on a theoretical ion abundance ratio.

Samples: 3, 5

The PCB 77 detection limits have been elevated for these samples due to matrix interferences. These elevated detection limits have been flagged with a 'G' qualifier and may be considered maximum possible concentrations.

#### **WATER, 1668, WHO PCB congeners**

Samples: 6, 7

The associated method blank contains a positive result for PCB 118 (31 pg/L). Since the associated sample results are all 'ND' for this analyte, no corrective action was performed.

Sample: 6

This sample has a high recovery for the 13C-PCB-169 internal standard. This high recovery can contribute to a false negative result. Since the result for PCB 169 is 'ND' well below the detection limit, no corrective action was performed. There should be no impact on the data.

There are no other anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	NA

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G9D030340

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
K9LEP	1	090331-N-01 TO 10-VG-COMPOSITE	3/31/2009 03:28 PM	4/3/2009 09:35 AM
K9LEQ	2	090401-NW-01 TO 10-VG-COMPOSITE	4/1/2009 08:30 AM	4/3/2009 09:35 AM
K9LER	3	090401-B18-01 TO 10-VG-COMPOSITE	4/1/2009 08:46 AM	4/3/2009 09:35 AM
K9LET	4	090401-W-01 TO 10-VG-COMPOSITE	4/1/2009 01:30 PM	4/3/2009 09:35 AM
K9LEV	5	090401-SE-01 TO 10-VG-COMPOSITE	4/1/2009 03:35 PM	4/3/2009 09:35 AM
K9LEW	6	090331-N-6-R	3/31/2009 04:45 PM	4/3/2009 09:35 AM
K9LEX	7	090401-B18-06-R	4/1/2009 09:55 AM	4/3/2009 09:35 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

# Chain of Custody Record

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

TAL-4124 (1/007)  
 Client: Chemical Waste Management, Inc  
 Address: 35251 Old Skyline Road  
 City: Kettleman City State: CA Zip Code: 93239  
 Project Name and Location (State): KHF  
 Contract/Purchase Order/Quote No.: 0742-816-02  
 Project Manager: Paul Turek  
 Telephone Number (Area Code)/Fax Number: (559) 386-6151  
 Lab Contact: Steve Holshouser  
 Carrier/Waybill Number: FED EX  
 Lab Contact: Karen Dahl  
 Date: 04/02/09  
 Lab Number: \_\_\_\_\_  
 Chain of Custody Number: 108097  
 Page 1 of 1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt					
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl			NaOH	ZnAc	NaOH		
090331 - N-01-VG-SEH	3-31-09	15:38		X			X										
090331 - N-02-VG-SEH	3-31-09	15:45		X			X										
090331 - N-03-VG-SEH	3-31-09	16:00		X			X										
090331 - N-04-VG-SEH	3-31-09	16:15		X			X										
090331 - N-05-VG-SEH	3-31-09	16:38		X			X										
090331 - N-06-VG-SEH	3-31-09	16:58		X			X										
090331 - N-07-VG-SEH	3-31-09	17:11		X			X										
090331 - N-08-VG-SEH	3-31-09	17:36		X			X										
090331 - N-09-VG-SEH	3-31-09	17:39		X			X										
090331 - N-10-VG-SEH	3-31-09	17:52		X			X										
090331 - N-6-R-WLB	N/A	N/A		X			X										
TEMP BLANK	N/A	N/A		X			X										

Possible Hazard Identification:  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other STD

1. Relinquished By: SW E Han Date: 04/02/09 Time: 1700  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: Carl Han Date: 4-3-09 Time: 1310  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Sample Disposal:  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify): \_\_\_\_\_

Comments: 1/2 WHO 1947 Dioxin-like PCB Congeners per agreement with Wack

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Slays with the Sample; PINK - Field Copy

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

Temperature on Receipt

Drinking Water? Yes  No

TAL-4124 (1007)

Client: **Chemical Waste Management, Inc.** Date: **04/02/09** Chain of Custody Number: **107206**

Address: **35251 Old Skyline Road** Lab Number: \_\_\_\_\_

City: **Kettleman City** State: **CA** Zip Code: **93239** Page: **1** of **1**

Project Manager: **Paul Turek** Telephone Number (Area Code)/Fax Number: **(559) 386-6151**

Site Contact: **Steve Holthouser** Lab Contact: **Karen Dahl**

Carrier/Waybill Number: **FED EX**

Sample ID No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl			NaOH	ZnAc/NaOH
090401 - NW-01-VG-SEA	4-1-09	8:30				X	X			X				
090401 - NW-02-VG-SEA	4-1-09	8:45				X	X			X				
090401 - NW-03-VG-SEA	4-1-09	9:05				X	X			X				
090401 - NW-04-VG-SEA	4-1-09	9:25				X	X			X				
090401 - NW-05-VG-SEA	4-1-09	9:40				X	X			X				
090401 - NW-06-VG-SEA	4-1-09	9:53				X	X			X				
090401 - NW-07-VG-SEA	4-1-09	10:08				X	X			X				
090401 - NW-08-VG-SEA	4-1-09	10:25				X	X			X				
090401 - NW-09-VG-SEA	4-1-09	10:40				X	X			X				
090401 - NW-10-VG-SEA	4-1-09	10:56				X	X			X				
TEMP BLANK	N/A	N/A												40ml DIH <sub>2</sub> O

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other **STD**

QC Requirements (Specify): \_\_\_\_\_

1. Received By: **Chy/ [Signature]** Date: **4-2-09** Time: **1:30**

2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **12 WHO 1997 Dioxin-like PCB Congeners per agreement with West**

DISTRIBUTION: WHITE - Returned to Client with Report; CANVARY - Slays with the Sample; PINK - Field Copy



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

TAL-4124 (1007)

Client: Chemical Waste Management, Inc.  
 Address: 35251 Old Skyline Road  
 City: Kettleton City State: CA Zip Code: 93239

Project Name and Location: KHF  
 Contract/Purchase Order/Quote No.: 0740-86-02

Project Manager: Paul Turek Date: 01/02/09  
 Telephone Number (Area Code)/Fax Number: (559) 386-6151 Lab Number: 108099  
 Site Contact: Steve Holshauer Lab Contact: Karen Dahl Page: 1 of 1  
 Carrier/Waybill Number: FED EX

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH
090401 - B18-01-VG-R5F	4/1/09	8:46				X							
090401 - B18-02-VG-R5F	4/1/09	9:00				X							
090401 - B18-03-VG-R5F	4/1/09	9:15				X							
090401 - B18-04-VG-R5F	4/1/09	9:23				X							
090401 - B18-05-VG-R5F	4/1/09	9:41				X							
090401 - B18-06-VG-R5F	4/1/09	10:04				X							
090401 - B18-07-VG-R5F	4/1/09	10:21				X							
090401 - B18-08-VG-R5F	4/1/09	10:34				X							
090401 - B18-09-VG-R5F	4/1/09	10:51				X							
090401 - B18-10-VG-R5F	4/1/09	11:04				X							
090401 - B18-06-R - R5F	4/1/09	9:35	X										Rinse 1 Lamber
TEMP BLANK	N/A	N/A	X										40 ml DI H2O

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: STD

QC Requirements (Specify):

1. Relinquished By: St E Han Date: 04/02/09 Time: 1700  
 2. Relinquished By: Paul Turek Date: 04/02/09 Time: 1315  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \* 12 WHO 1997 Dioxin-like PCB Congeners per agreement with Weick  
\* labeled e 953 on 4-2-09

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

Temperature on Receipt \_\_\_\_\_ Drinking Water? Yes  No

Project Manager: Pawl Turek Date: 04/02/09 Chain of Custody Number: 108096

Client: Chemical Waste Management, Inc. Telephone Number (Area Code)/Fax Number: (559) 386-6151 Lab Number: 1 of 1

Address: 35251 Old Skyline Road Site Contact: Steve Holsauser Lab Contact: Karen Dahl

City: Kettleman City State: CA Zip Code: 93239 Carrier/Waybill Number: \_\_\_\_\_

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Soil	W/S	Unpres.	H2SO4	HNO3	HCl			NaOH	ZnAc2 NaOH
090401 - W-01-VG-SEA w/B	4-1-09	13:30				X	X							
090401 - W-02-VG-SEA w/B	4-1-09	13:40				X	X							
090401 - W-03-VG-SEA w/B	4-1-09	13:50				X	X							
090401 - W-04-VG-SEA w/B	4-1-09	14:00				X	X							
090401 - W-05-VG-SEA w/B	4-1-09	14:20				X	X							
090401 - W-06-VG-SEA w/B	4-1-09	14:30				X	X							
090401 - W-07-VG-SEA w/B	4-1-09	14:40				X	X							
090401 - W-08-VG-SEA w/B	4-1-09	14:55				X	X							
090401 - W-09-VG-SEA w/B	4-1-09	15:05				X	X							
090401 - W-10-VG-SEA w/B	4-1-09	15:20				X	X							
090401 - W-5-R-W/B	4-1-09	14:15	X											
TEMP BLANK	N/A	N/A	X											LITER AMBER

Contract/Purchase Order/Quote No.: 0742-816-02

Sample Disposal:  Return To Client  Disposal By Lab  Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Other: STD

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: STD

1. Relinquished By: Steven E Holsauser Date: 04/02/09 Time: 17:00

2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: [Signature] Date: 4-3-09 Time: 14:00

2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \* 12 WHO 1997 Dioxin-like PCB Congeners per agreement w. the Wenck

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

TAL-4124 (1007)

Client: **Chemical Waste Management, Inc.** Address: **35251 Old Skyline Road** City: **Kettleman City** State: **CA** Zip Code: **93239**

Project Manager: **Paul Turek** Telephone Number (Area Code)/Fax Number: **(559) 386-6151** Site Contact: **Steve Holshouser** Lab Contact: **Karen Dahl** Carrier/Waybill Number: **FED EX**

Temperature on Receipt: \_\_\_\_\_ Drinking Water? Yes  No

Date: **04/02/09** Lab Number: \_\_\_\_\_ Page: **1** of **1**

Chain of Custody Number: **107200**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Aqueous	Sed.	Soil	Other	Unpres.	H2SO4	HNO3	HCl			NaOH	ZnAc/NaOH
090401 - SE-01-VG-RJF	4/1/09	1535			X	X				X				
090401 - SE-02-VG-RJF	4/1/09	1525			X	X				X				
090401 - SE-03-VG-RJF	4/1/09	1515			X	X				X				
090401 - SE-04-VG-RJF	4/1/09	1502			X	X				X				
090401 - SE-05-VG-RJF	4/1/09	1448			X	X				X				
090401 - SE-06-VG-RJF	4/1/09	1432			X	X				X				
090401 - SE-07-VG-RJF	4/1/09	1421			X	X				X				
090401 - SE-08-VG-RJF	4/1/09	1410			X	X				X				
090401 - SE-09-VG-RJF	4/1/09	1357			X	X				X				
090401 - SE-10-VG-RJF	4/1/09	1348			X	X				X				
TEMP BLANK	N/A	N/A			X									100% DIH2O

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Poison A  7 Days  14 Days  21 Days  Other: **STD**

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**

Sample Disposal:  Return To Client  Disposal By Lab  Archive For: **12** Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify): \_\_\_\_\_

1. Relinquished By: **See & Hold** Date: **04/02/09** Time: **1700**

2. Relinquished By: **See & Hold** Date: **04/02/09** Time: **1700**

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: **See & Hold** Date: **4-30-09** Time: **1400**

2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **\*12 WAO 1997 Dioxin-like PCB Congeners per agreement with Wack**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

CLIENT Wentz PM KD LOG # 57785

LOT# (QUANTIMS ID) G9D030340 QUOTE# 81307 LOCATION WFl-Floor  
W40

DATE RECEIVED 4-3-09 TIME RECEIVED 935 Initials AD Date 4-3-09

DELIVERED BY  FEDEX  CA OVERNIGHT  CLIENT  
 AIRBORNE  GOLDENSTATE  DHL  
 UPS  BAX GLOBAL  GO-GETTERS  
 TAL COURIER  VALLEY LOGISTICS  MORGAN HILL COURIER  
 OTHER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) Seals

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER \_\_\_\_\_

COC #(S) 108097, 107206, 108099, 108096, 107200

TEMPERATURE BLANK Observed: \_\_\_\_\_ Corrected: \_\_\_\_\_

SAMPLE TEMPERATURE  
Observed: See temp sheets Average: \_\_\_\_\_ Corrected Average: \_\_\_\_\_

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING  
WETCHEM  N/A  
VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)\*  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Notes: \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.  
LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE.

CLIENT: Wenck LOT# (QUANTIMS ID): G9D030340

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER  INITIALS AD DATE 4-3-09

COOLER ID 4  
CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
CUSTODY SEAL #(S) 22146, 22496  
COC #(S) 108097  
TEMPERATURE BLANK: OBSERVED: 2 CORRECTED: 2  
SAMPLE TEMPERATURE:  
OBSERVED: 5 5 6 AVERAGE: 5 CORRECTED: 5  
SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_

COOLER ID 5  
CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
CUSTODY SEAL #(S) 587789, 587769  
COC #(S) 108099  
TEMPERATURE BLANK: OBSERVED: 2 CORRECTED: 2  
SAMPLE TEMPERATURE:  
OBSERVED: 5 6 7 AVERAGE: 6 CORRECTED: 6  
SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_

COOLER ID 6  
CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
CUSTODY SEAL #(S) 2226, 22196  
COC #(S) 107201  
TEMPERATURE BLANK: OBSERVED: 3 CORRECTED: 3  
SAMPLE TEMPERATURE:  
OBSERVED: 4 4 5 AVERAGE: 4 CORRECTED: 4  
SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE.

CLIENT: Wenck LOT# (QUANTIMS ID): G9D030340

TEMPERATURE RECORD (IN °C)	IR 4 <input type="checkbox"/>	5 <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>	INITIALS	DATE
COOLER ID <u>7</u>				ae	4-3-09
CUSTODY SEAL STATUS <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> N/A					
CUSTODY SEAL #(S) <u>22170, 22200</u>					
COC #(S) <u>108094</u>					
TEMPERATURE BLANK: OBSERVED: <u>3</u> CORRECTED: <u>5</u>					
SAMPLE TEMPERATURE:					
OBSERVED: <u>4 5 6</u> AVERAGE: <u>5</u> CORRECTED: <u>5</u>					
SAMPLES / TESTS (IF NCM REQUIRED):					
COOLER ID <u>8</u>					
CUSTODY SEAL STATUS <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> N/A					
CUSTODY SEAL #(S) <u>331404, 472368</u>					
COC #(S) <u>108095</u>					
TEMPERATURE BLANK: OBSERVED: <u>3</u> CORRECTED: <u>5</u>					
SAMPLE TEMPERATURE:					
OBSERVED: <u>3 4 5</u> AVERAGE: <u>4</u> CORRECTED: <u>4</u>					
SAMPLES / TESTS (IF NCM REQUIRED):					
COOLER ID <u>9</u>					
CUSTODY SEAL STATUS <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> N/A					
CUSTODY SEAL #(S) <u>22286, 22256</u>					
COC #(S) <u>107206</u>					
TEMPERATURE BLANK: OBSERVED: <u>3</u> CORRECTED: <u>3</u>					
SAMPLE TEMPERATURE:					
OBSERVED: <u>5 6 7</u> AVERAGE: <u>6</u> CORRECTED: <u>6</u>					
SAMPLES / TESTS (IF NCM REQUIRED):					

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE.

CLIENT: Wenck LOT# (QUANTIMS ID): G9D030340

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER  INITIALS AA DATE 4-3-09

COOLER ID 10  
 CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
 CUSTODY SEAL #(S) 22206, 22236  
 COC #(S) 108098  
 TEMPERATURE BLANK: OBSERVED: 4 CORRECTED: 4  
 SAMPLE TEMPERATURE:  
 OBSERVED: 5 6 7 AVERAGE: 6 CORRECTED: 6  
 SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_

COOLER ID 11  
 CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
 CUSTODY SEAL #(S) 563045, 492277  
 COC #(S) 108092  
 TEMPERATURE BLANK: OBSERVED: 2 CORRECTED: 2  
 SAMPLE TEMPERATURE:  
 OBSERVED: 4 5 6 AVERAGE: 5 CORRECTED: 5  
 SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_

COOLER ID 12  
 CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
 CUSTODY SEAL #(S) 563042, 562632  
 COC #(S) 107000  
 TEMPERATURE BLANK: OBSERVED: 2 CORRECTED: 2  
 SAMPLE TEMPERATURE:  
 OBSERVED: 5 6 7 AVERAGE: 6 CORRECTED: 6  
 SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_

INITIALS	DATE
<u>AA</u>	<u>4-3-09</u>

CLIENT: wenck

LOT# (QUANTIMS ID): G90030390

INITIALS: aw DATE: 4-3-09

TEMPERATURE RECORD (IN °C) IR  4  5  OTHER \_\_\_\_\_

COOLER ID 13

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) 492297, 492287

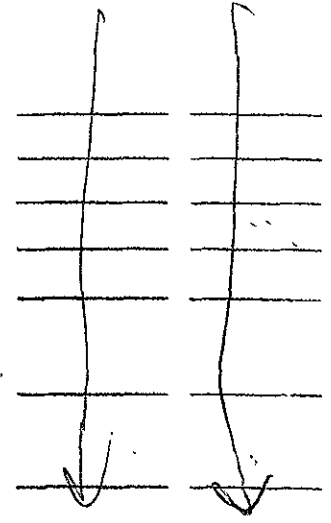
COC #(S) 108096

TEMPERATURE BLANK: OBSERVED: 2 CORRECTED: 2

SAMPLE TEMPERATURE:

OBSERVED: 5 6 7 AVERAGE: 6 CORRECTED: 6

SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_



COOLER ID \_\_\_\_\_

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) \_\_\_\_\_

COC #(S) \_\_\_\_\_

TEMPERATURE BLANK: OBSERVED: \_\_\_\_\_ CORRECTED: \_\_\_\_\_

SAMPLE TEMPERATURE:

OBSERVED: \_\_\_\_\_ AVERAGE: \_\_\_\_\_ CORRECTED: \_\_\_\_\_

SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_

COOLER ID \_\_\_\_\_

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) \_\_\_\_\_

COC #(S) \_\_\_\_\_

TEMPERATURE BLANK: OBSERVED: \_\_\_\_\_ CORRECTED: \_\_\_\_\_

SAMPLE TEMPERATURE:

OBSERVED: \_\_\_\_\_ AVERAGE: \_\_\_\_\_ CORRECTED: \_\_\_\_\_

SAMPLES / TESTS (IF NCM REQUIRED): \_\_\_\_\_



Lot

ID:

G9D030340

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ	10	10	10	10	10	1	1	1												
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

# SOLID, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: 090331-N-01 TO 10-VG-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D030340-001    Work Order #...: K9LEP1AC    Matrix.....: SOLID  
 Date Sampled...: 03/31/09    Date Received...: 04/03/09  
 Prep Date.....: 04/27/09    Analysis Date...: 05/04/09  
 Prep Batch #...: 9117268  
 Dilution Factor: 10  
 % Moisture.....: 22

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	64	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	64	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	64	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	64	pg/g	EPA-14 1668
PCB 118 (BZ)	ND	64	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	64	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	64	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	64	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	64	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	64	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	64	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	64	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	78	(25 - 150)
13C12-PCB 81	91	(25 - 150)
13C12-PCB 118	92	(25 - 150)
13C12-PCB 114	99	(25 - 150)
13C12-PCB 105	102	(25 - 150)
13C12-PCB 126	100	(25 - 150)
13C12-PCB 167	176 *	(25 - 150)
13C12-PCB 156	172 *	(25 - 150)
13C12-PCB 157	173 *	(25 - 150)
13C12-PCB 169	181 *	(25 - 150)
13C12-PCB 189	179 *	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.

\* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: 090401-NW-01 TO 10-VG-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #....: G9D030340-002    Work Order #....: K9LEQ1AC    Matrix.....: SOLID  
 Date Sampled....: 04/01/09    Date Received...: 04/03/09  
 Prep Date.....: 04/27/09    Analysis Date...: 05/04/09  
 Prep Batch #....: 9117268  
 Dilution Factor: 10  
 % Moisture.....: 27

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	67	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	67	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	67	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	67	pg/g	EPA-14 1668
PCB 118 (BZ)	ND	67	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	67	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	67	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	67	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	67	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	67	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	67	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	67	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
	RECOVERY		
13C12-PCB 77	94		(25 - 150)
13C12-PCB 81	79		(25 - 150)
13C12-PCB 118	105		(25 - 150)
13C12-PCB 114	109		(25 - 150)
13C12-PCB 105	112		(25 - 150)
13C12-PCB 126	124		(25 - 150)
13C12-PCB 167	170 *		(25 - 150)
13C12-PCB 156	172 *		(25 - 150)
13C12-PCB 157	174 *		(25 - 150)
13C12-PCB 169	182 *		(25 - 150)
13C12-PCB 189	174 *		(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.

\* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: 090401-B18-01 TO 10-VG-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D030340-003    Work Order #...: K9LER1AC    Matrix.....: SOLID  
 Date Sampled...: 04/01/09    Date Received...: 04/03/09  
 Prep Date.....: 04/27/09    Analysis Date...: 05/04/09  
 Prep Batch #...: 9117268  
 Dilution Factor: 10  
 % Moisture.....: 26

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	87	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	65	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>140 C</b>	<b>65</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	65	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>190 Q,C</b>	<b>65</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	65	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	82	(25 - 150)
13C12-PCB 81	73	(25 - 150)
13C12-PCB 118	102	(25 - 150)
13C12-PCB 114	102	(25 - 150)
13C12-PCB 105	104	(25 - 150)
13C12-PCB 126	117	(25 - 150)
13C12-PCB 167	150	(25 - 150)
13C12-PCB 156	156 *	(25 - 150)
13C12-PCB 157	149	(25 - 150)
13C12-PCB 169	155 *	(25 - 150)
13C12-PCB 180	145	(25 - 150)
13C12-PCB 170	148	(25 - 150)
13C12-PCB 189	161 *	(25 - 150)
13C12-PCB 209	74	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

C Co-eluting isomer.

Q Estimated maximum possible concentration (EMPC).

\* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: 090401-W-01 TO 10-VG-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D030340-004    Work Order #...: K9LET1AC    Matrix.....: SOLID  
 Date Sampled...: 04/01/09    Date Received...: 04/03/09  
 Prep Date.....: 04/27/09    Analysis Date...: 05/04/09  
 Prep Batch #...: 9117268  
 Dilution Factor: 10  
 % Moisture.....: 8.5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	54	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	54	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	54	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	54	pg/g	EPA-14 1668
PCB 118 (BZ)	ND	54	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	54	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	54	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	54	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	54	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	54	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	54	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	54	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	85	(25 - 150)
13C12-PCB 81	96	(25 - 150)
13C12-PCB 118	100	(25 - 150)
13C12-PCB 114	109	(25 - 150)
13C12-PCB 105	104	(25 - 150)
13C12-PCB 126	105	(25 - 150)
13C12-PCB 167	166 *	(25 - 150)
13C12-PCB 156	168 *	(25 - 150)
13C12-PCB 157	168 *	(25 - 150)
13C12-PCB 169	183 *	(25 - 150)
13C12-PCB 189	183 *	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.

\* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: 090401-SE-01 TO 10-VG-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #....: G9D030340-005    Work Order #....: K9LEV1AC    Matrix.....: SOLID  
 Date Sampled....: 04/01/09    Date Received...: 04/03/09  
 Prep Date.....: 04/27/09    Analysis Date...: 05/04/09  
 Prep Batch #....: 9117268  
 Dilution Factor: 10  
 % Moisture.....: 14

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	97	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	58	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>150 Q,C</b>	<b>58</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	58	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>270 C</b>	<b>58</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	58	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	58	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	58	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	58	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	58	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	58	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	58	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	85	(25 - 150)
13C12-PCB 81	82	(25 - 150)
13C12-PCB 118	105	(25 - 150)
13C12-PCB 114	101	(25 - 150)
13C12-PCB 105	105	(25 - 150)
13C12-PCB 126	109	(25 - 150)
13C12-PCB 167	153 *	(25 - 150)
13C12-PCB 156	158 *	(25 - 150)
13C12-PCB 157	152 *	(25 - 150)
13C12-PCB 169	164 *	(25 - 150)
13C12-PCB 189	172 *	(25 - 150)

**NOTE(S) :**

- Results and reporting limits have been adjusted for dry weight
- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
  - Q Estimated maximum possible concentration (EMPC).
  - C Co-eluting isomer.
  - \* Surrogate recovery is outside stated control limits.

# QC DATA ASSOCIATION SUMMARY

G9D030340

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
002	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
003	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
004	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
005	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
006	WATER	EPA-14 1668		9117301	
007	WATER	EPA-14 1668		9117301	



METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9D030340      Work Order #...: LAT8P1AA      Matrix.....: SOLID  
 MB Lot-Sample #: G9D270000-268  
 Prep Date.....: 04/27/09  
 Analysis Date...: 05/01/09      Prep Batch #...: 9117268  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 118 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.0	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	51	(25 - 150)
13C12-PCB 81	47	(25 - 150)
13C12-PCB 118	52	(25 - 150)
13C12-PCB 114	54	(25 - 150)
13C12-PCB 105	65	(25 - 150)
13C12-PCB 126	32	(25 - 150)
13C12-PCB 167	61	(25 - 150)
13C12-PCB 156	68	(25 - 150)
13C12-PCB 157	69	(25 - 150)
13C12-PCB 169	79	(25 - 150)
13C12-PCB 189	99	(25 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9D030340      Work Order #...: LAT8P1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9D270000-268  
 Prep Date.....: 04/27/09      Analysis Date...: 05/01/09  
 Prep Batch #...: 9117268  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	200	224	pg/g	112	EPA-14 1668
PCB 81 (BZ)	200	221	pg/g	111	EPA-14 1668
PCB 105 (BZ)	200	230	pg/g	115	EPA-14 1668
PCB 114 (BZ)	200	232	pg/g	116	EPA-14 1668
PCB 118 (BZ)	200	237	pg/g	119	EPA-14 1668
PCB 123 (BZ)	200	234	pg/g	117	EPA-14 1668
PCB 126 (BZ)	200	228	pg/g	114	EPA-14 1668
PCB 156 (BZ)	200	239	pg/g	120	EPA-14 1668
PCB 157 (BZ)	200	237	pg/g	119	EPA-14 1668
PCB 167 (BZ)	200	192	pg/g	96	EPA-14 1668
PCB 169 (BZ)	200	232	pg/g	116	EPA-14 1668
PCB 189 (BZ)	200	213	pg/g	107	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	58	(25 - 150)
13C12-PCB 81	55	(25 - 150)
13C12-PCB 118	64	(25 - 150)
13C12-PCB 114	66	(25 - 150)
13C12-PCB 105	75	(25 - 150)
13C12-PCB 126	88	(25 - 150)
13C12-PCB 167	79	(25 - 150)
13C12-PCB 156	85	(25 - 150)
13C12-PCB 157	88	(25 - 150)
13C12-PCB 169	99	(25 - 150)
13C12-PCB 180	97	(25 - 150)
13C12-PCB 170	102	(25 - 150)
13C12-PCB 189	114	(25 - 150)
13C12-PCB 209	101	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9D030340      Work Order #...: LAT8P1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9D270000-268  
 Prep Date.....: 04/27/09      Analysis Date...: 05/01/09  
 Prep Batch #...: 9117268  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	112	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	111	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	115	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	116	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	119	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	117	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	114	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	120	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	119	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	96	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	116	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	107	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	58	(25 - 150)
13C12-PCB 81	55	(25 - 150)
13C12-PCB 118	64	(25 - 150)
13C12-PCB 114	66	(25 - 150)
13C12-PCB 105	75	(25 - 150)
13C12-PCB 126	88	(25 - 150)
13C12-PCB 167	79	(25 - 150)
13C12-PCB 156	85	(25 - 150)
13C12-PCB 157	88	(25 - 150)
13C12-PCB 169	99	(25 - 150)
13C12-PCB 180	97	(25 - 150)
13C12-PCB 170	102	(25 - 150)
13C12-PCB 189	114	(25 - 150)
13C12-PCB 209	101	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# WATER, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: 090331-N-6-R

Trace Level Organic Compounds

Lot-Sample #...: G9D030340-006    Work Order #...: K9LEW1AA    Matrix.....: WATER  
 Date Sampled...: 03/31/09    Date Received...: 04/03/09  
 Prep Date.....: 04/27/09    Analysis Date...: 05/01/09  
 Prep Batch #...: 9117301  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 189 (BZ)	ND	19	pg/L	EPA-14 1668
PCB 156 (BZ)	ND	19	pg/L	EPA-14 1668
PCB 157 (BZ)	ND	19	pg/L	EPA-14 1668
PCB 167 (BZ)	ND	19	pg/L	EPA-14 1668
PCB 169 (BZ)	ND	19	pg/L	EPA-14 1668
PCB 105 (BZ)	ND	19	pg/L	EPA-14 1668
PCB 114 (BZ)	ND	19	pg/L	EPA-14 1668
PCB 118 (BZ)	ND	19	pg/L	EPA-14 1668
PCB 123 (BZ)	ND	19	pg/L	EPA-14 1668
PCB 126 (BZ)	ND	19	pg/L	EPA-14 1668
PCB 81 (BZ)	ND	19	pg/L	EPA-14 1668
PCB 77 (BZ)	ND	19	pg/L	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	76	(25 - 150)
13C12-PCB 81	75	(25 - 150)
13C12-PCB 118	86	(25 - 150)
13C12-PCB 114	95	(25 - 150)
13C12-PCB 105	95	(25 - 150)
13C12-PCB 126	111	(25 - 150)
13C12-PCB 167	128	(25 - 150)
13C12-PCB 156	140	(25 - 150)
13C12-PCB 157	136	(25 - 150)
13C12-PCB 169	151 *	(25 - 150)
13C12-PCB 189	137	(25 - 150)

**NOTE (S) :**

\* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: 090401-B18-06-R

Trace Level Organic Compounds

Lot-Sample #...: G9D030340-007    Work Order #...: K9LEX1AA    Matrix.....: WATER  
 Date Sampled...: 04/01/09    Date Received...: 04/03/09  
 Prep Date.....: 04/27/09    Analysis Date...: 05/01/09  
 Prep Batch #...: 9117301  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 189 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 156 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 157 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 167 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 169 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 105 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 114 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 118 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 123 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 126 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 81 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 77 (BZ)	ND	20	pg/L	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	80	(25 - 150)
13C12-PCB 81	84	(25 - 150)
13C12-PCB 118	90	(25 - 150)
13C12-PCB 114	91	(25 - 150)
13C12-PCB 105	96	(25 - 150)
13C12-PCB 126	108	(25 - 150)
13C12-PCB 167	124	(25 - 150)
13C12-PCB 156	133	(25 - 150)
13C12-PCB 157	131	(25 - 150)
13C12-PCB 169	144	(25 - 150)
13C12-PCB 189	134	(25 - 150)

# QC DATA ASSOCIATION SUMMARY

G9D030340

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
002	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
003	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
004	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
005	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
006	WATER	EPA-14 1668		9117301	
007	WATER	EPA-14 1668		9117301	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9D030340      Work Order #...: LAVAT1AA      Matrix.....: WATER  
 MB Lot-Sample #: G9D270000-301  
 Analysis Date...: 04/30/09      Prep Date.....: 04/27/09  
 Dilution Factor: 1      Prep Batch #...: 9117301

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 81 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 105 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 114 (BZ)	ND	20	pg/L	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>31 C</b>	<b>20</b>	<b>pg/L</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 126 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 156 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 157 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 167 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 169 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 189 (BZ)	ND	20	pg/L	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	90	(25 - 150)
13C12-PCB 81	91	(25 - 150)
13C12-PCB 118	88	(25 - 150)
13C12-PCB 114	89	(25 - 150)
13C12-PCB 105	92	(25 - 150)
13C12-PCB 126	104	(25 - 150)
13C12-PCB 167	98	(25 - 150)
13C12-PCB 156	106	(25 - 150)
13C12-PCB 157	105	(25 - 150)
13C12-PCB 169	112	(25 - 150)
13C12-PCB 189	101	(25 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results

C Co-eluting isomer.



LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9D030340      Work Order #...: LAVAT1AC      Matrix.....: WATER  
 LCS Lot-Sample#: G9D270000-301  
 Prep Date.....: 04/27/09      Analysis Date...: 04/30/09  
 Prep Batch #...: 9117301  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	2000	2530	pg/L	127	EPA-14 1668
PCB 81 (BZ)	2000	2530	pg/L	127	EPA-14 1668
PCB 105 (BZ)	2000	2500 C	pg/L	125	EPA-14 1668
PCB 114 (BZ)	2000	2400	pg/L	120	EPA-14 1668
PCB 118 (BZ)	2000	2450 C	pg/L	122	EPA-14 1668
PCB 123 (BZ)	2000	2400	pg/L	120	EPA-14 1668
PCB 126 (BZ)	2000	2400	pg/L	120	EPA-14 1668
PCB 156 (BZ)	2000	2520	pg/L	126	EPA-14 1668
PCB 157 (BZ)	2000	2490	pg/L	124	EPA-14 1668
PCB 167 (BZ)	2000	1850	pg/L	93	EPA-14 1668
PCB 169 (BZ)	2000	2480	pg/L	124	EPA-14 1668
PCB 189 (BZ)	2000	2400	pg/L	120	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
13C12-PCB 77	85	(25 - 150)
13C12-PCB 81	85	(25 - 150)
13C12-PCB 118	75	(25 - 150)
13C12-PCB 114	80	(25 - 150)
13C12-PCB 105	81	(25 - 150)
13C12-PCB 126	92	(25 - 150)
13C12-PCB 167	91	(25 - 150)
13C12-PCB 156	98	(25 - 150)
13C12-PCB 157	98	(25 - 150)
13C12-PCB 169	105	(25 - 150)
13C12-PCB 189	102	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

C Co-eluting isomer.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9D030340      Work Order #...: LAVAT1AC      Matrix.....: WATER  
 LCS Lot-Sample#: G9D270000-301  
 Prep Date.....: 04/27/09      Analysis Date...: 04/30/09  
 Prep Batch #...: 9117301  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	127	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	127	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	125 C	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	120	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	122 C	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	120	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	120	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	126	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	124	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	93	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	124	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	120	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	85	(25 - 150)
13C12-PCB 81	85	(25 - 150)
13C12-PCB 118	75	(25 - 150)
13C12-PCB 114	80	(25 - 150)
13C12-PCB 105	81	(25 - 150)
13C12-PCB 126	92	(25 - 150)
13C12-PCB 167	91	(25 - 150)
13C12-PCB 156	98	(25 - 150)
13C12-PCB 157	98	(25 - 150)
13C12-PCB 169	105	(25 - 150)
13C12-PCB 189	102	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

C Co-eluting isomer.

# SOLID, D 2216-90, Percent Moisture

Wenck Associates, Inc.

Client Sample ID: 090331-N-01 TO 10-VG-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030340-001    Work Order #...: K9LEP    Matrix.....: SOLID  
Date Sampled...: 03/31/09    Date Received...: 04/03/09  
% Moisture.....: 22

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	21.7	0.10	%	ASTM D 2216-90	04/27-04/28/09	9117234

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090401-NW-01 TO 10-VG-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030340-002    Work Order #...: K9LEQ    Matrix.....: SOLID  
Date Sampled...: 04/01/09    Date Received..: 04/03/09  
% Moisture.....: 27

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Moisture	26.6	0.10	%	ASTM D 2216-90	04/27-04/28/09	9117234

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090401-B18-01 TO 10-VG-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030340-003    Work Order #...: K9LER    Matrix.....: SOLID  
Date Sampled...: 04/01/09    Date Received..: 04/03/09  
% Moisture.....: 26

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	26.0	0.10	%	ASTM D 2216-90	04/27-04/28/09	9117234

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090401-W-01 TO 10-VG-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030340-004    Work Order #...: K9LET    Matrix.....: SOLID  
Date Sampled...: 04/01/09    Date Received...: 04/03/09  
% Moisture.....: 8.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.5	0.10	%	ASTM D 2216-90	04/27-04/28/09	9117234

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090401-SE-01 TO 10-VG-COMPOSITE

General Chemistry

Lot-Sample #...: G9D030340-005    Work Order #...: K9LEV    Matrix.....: SOLID  
Date Sampled...: 04/01/09    Date Received...: 04/03/09  
% Moisture.....: 14

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	14.5	0.10	%	ASTM D 2216-90	04/27-04/28/09	9117234

Dilution Factor: 1



# QC DATA ASSOCIATION SUMMARY

G9D030340

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
002	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
003	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
004	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
005	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
006	WATER	EPA-14 1668		9117301	
007	WATER	EPA-14 1668		9117301	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G9D030340

Work Order #...: K9LEP-SMP  
K9LEP-DUP

Matrix.....: SOLID

Date Sampled...: 03/31/09

Date Received...: 04/03/09

% Moisture.....: 22

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	21.7	20.6	%	5.3	(0-20)	ASTM D 2216-90	SD Lot-Sample #: G9D030340-001 04/27-04/28/09	9117234

Dilution Factor: 1

# SOLID, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

*Includes (as applicable):*

*runlogs*

*continuing calibration standards*

*interference/performance check standards*

*continuing calibration blanks*

*method blanks*

*lcs*

*ms/sd*

*sample raw data*

*ms tune data*

Run text: LAT8P-1-AA Sample text: LAT8P-1-AA :G9D030340-MB  
 Run #8 Filename: 01MY099D5 S: 5 I: 1 Results: 01MY099D51668MSLDEC  
 Acquired: 1-MAY-09 16:13:43 Processed: 1-MAY-09 18:05:30  
 Run: 01MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.00007g

*ALS-2*

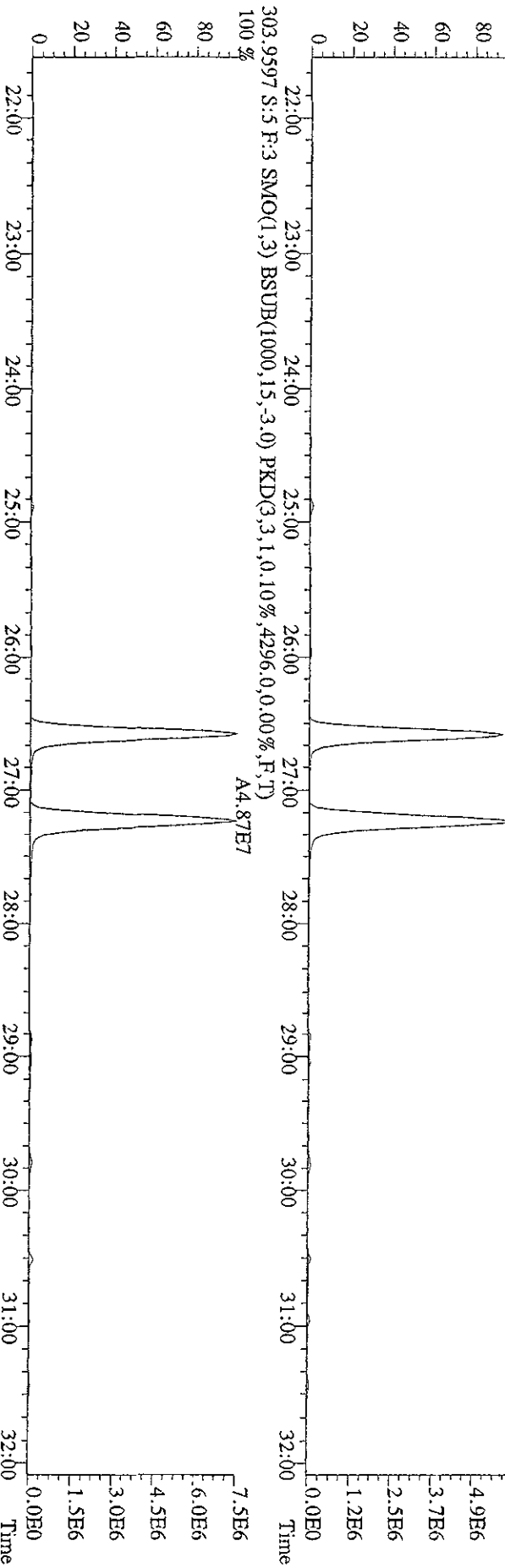
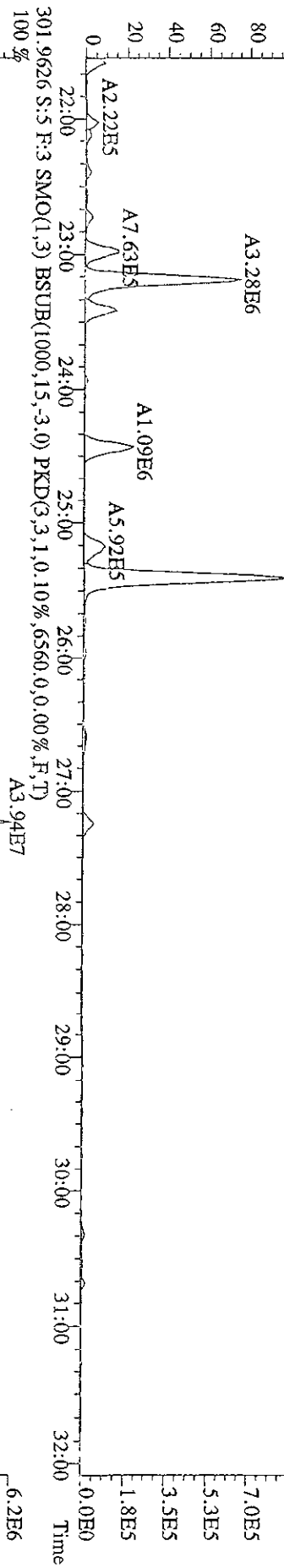
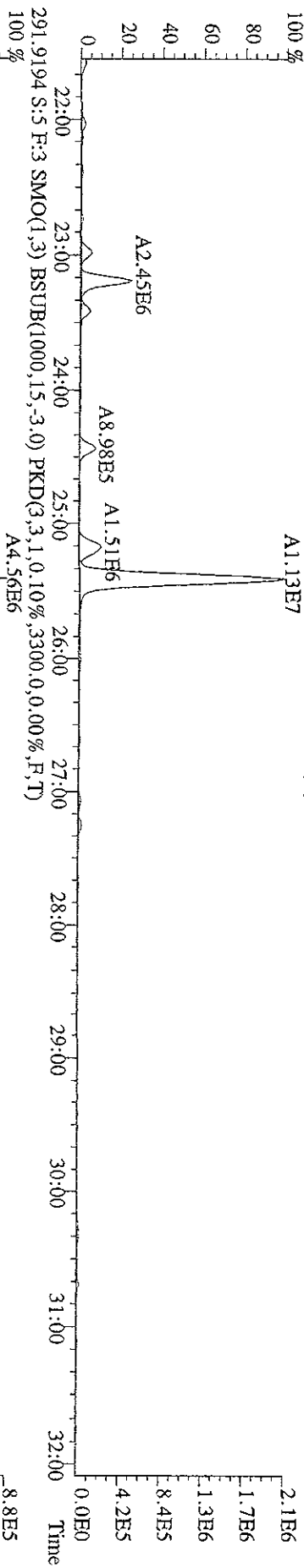
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	177768500	0.68 y	24:52	-	7.27	-	-	n
13C-TCB-81	79305900	0.79 y	26:35	0.95	94.19	0.16	47.1	n
TCB-81	59783	1.38 n	26:37	1.28	0.12	0.23	-	n
13C-TCB-77	88122600	0.81 y	27:14	0.98	100.92	0.16	50.5	n
TCB-77	444878	0.76 y	27:15	1.10	0.92	0.26	-	n
13C-PeCB-123	88659700	0.66 y	28:52	0.87	114.46	0.11	57.2	n
PeCB-123	*	* n	NotFnd	1.51	*	0.18	-	n
13C-PeCB-118	91436800	0.66 y	29:02	0.98	104.49	0.10	52.2	n
PeCB-118/106	769311	0.46 n	29:03	1.53	1.10	0.18	-	n
13C-PeCB-114	93448700	0.67 y	29:48	0.97	108.80	0.10	54.4	n
PeCB-114	*	* n	NotFnd	1.59	*	0.18	-	n
13C-PeCB-105	104262200	0.66 y	30:30	0.90	130.74	0.11	65.4	n
PeCB-105/127	648461	0.58 y	30:30	1.42	0.87	0.07	-	n
13C-PeCB-126	51054500	0.68 y	31:26	0.91	63.02	0.10	31.5	n
PeCB-126	61989	0.83 n	31:26	1.17	0.21	0.37	-	n
13C-OcCB-202	188769100	0.90 y	33:41	-	7.33	-	-	n
13C-HxCB-167	97139700	1.26 y	32:31	0.84	122.29	0.20	61.1	n
HxCB-167	*	* n	NotFnd	1.17	*	0.06	-	n
13C-HxCB-156	85364800	1.31 y	33:49	0.67	134.95	0.26	67.5	n
HxCB-156	133157	1.75 n	33:50	1.45	0.21	0.06	-	n
13C-HxCB-157	92179200	1.29 y	34:08	0.71	138.17	0.24	69.1	n
HxCB-157	78407	1.23 y	34:08	1.45	0.12	0.06	-	n
13C-HxCB-169	108885800	1.28 y	35:58	0.73	157.28	0.23	78.6	n
HxCB-169	47037	1.29 y	36:00	0.99	0.09	0.08	-	n
13C-HpCB-180	87271800	1.02 y	34:47	0.58	158.16	0.17	79.1	n
HpCB-180	165390	1.39 n	34:48	1.27	0.30	0.25	-	n
13C-HpCB-170	77632500	1.04 y	36:25	0.47	173.37	0.21	86.7	n
HpCB-170/190	*	* n	NotFnd	1.61	*	0.24	-	n
13C-HpCB-189	111363000	1.02 y	38:03	0.60	197.13	0.17	98.6	n
HpCB-189	*	* n	NotFnd	1.21	*	0.22	-	n
13C-DeCB-209	55086600	0.72 y	43:25	0.46	126.83	0.05	63.4	n
DECB-209	171624	1.06 n	43:27	1.50	0.41	0.03	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.17	*	n

*CPL*

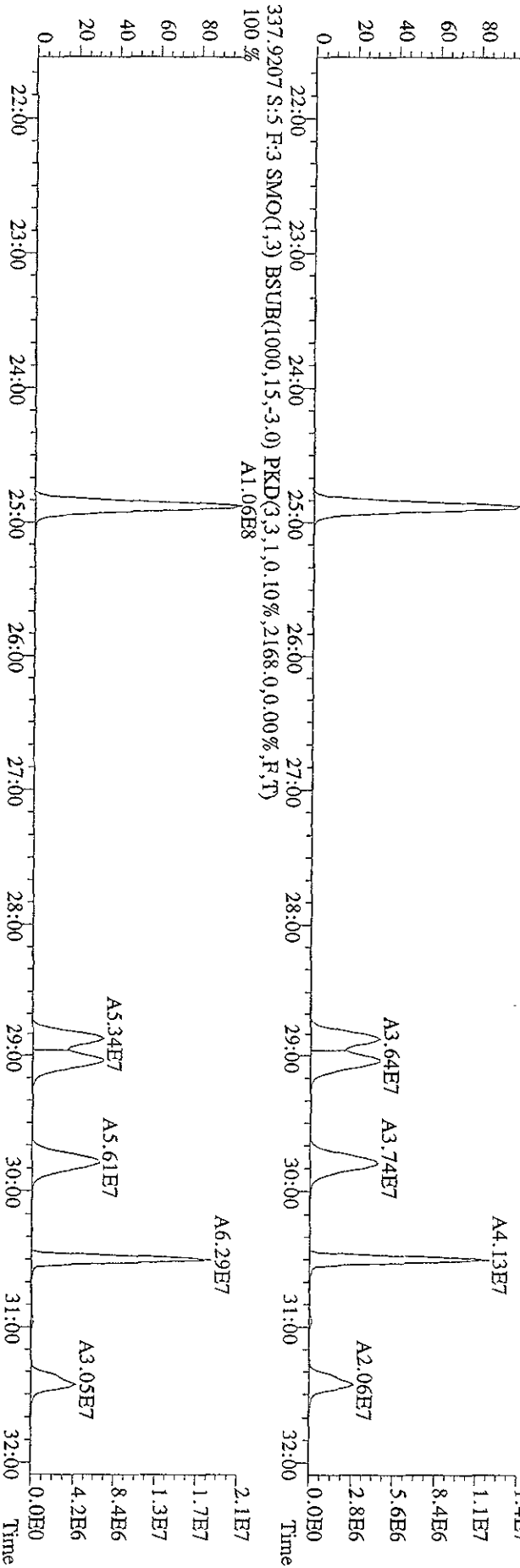
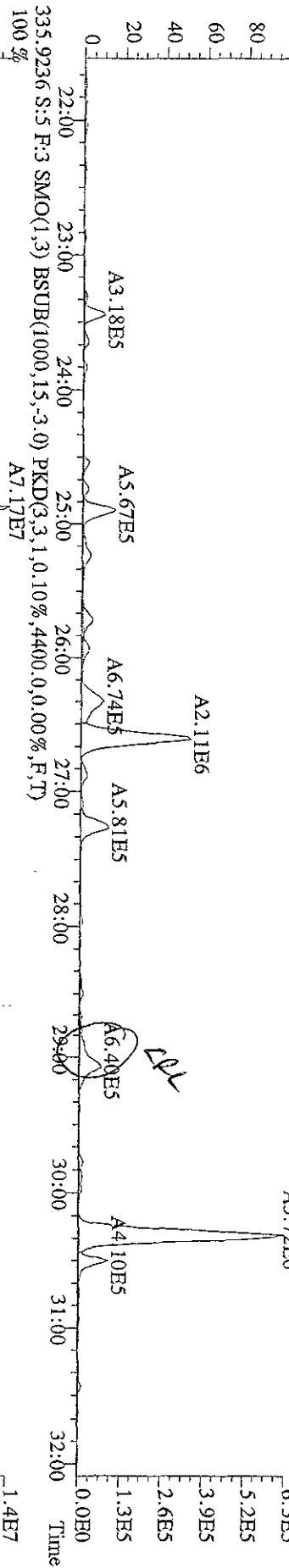
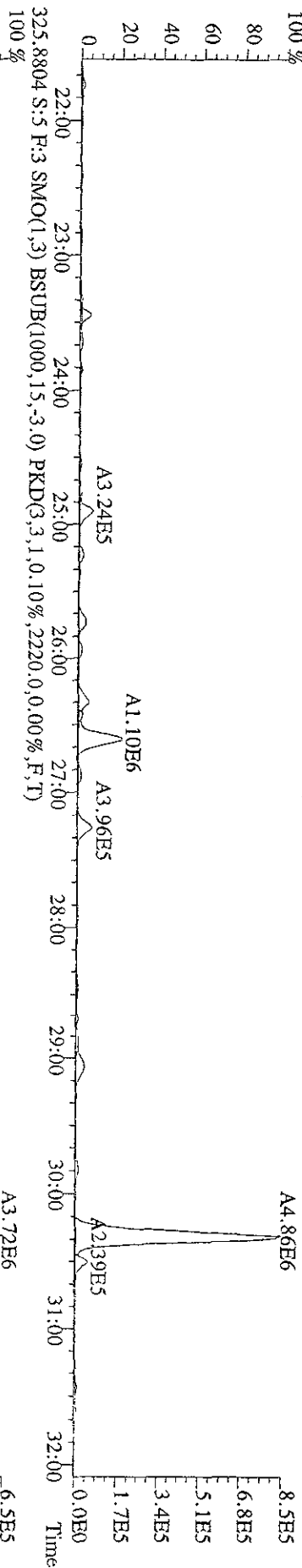


*AT 5/5/09*

File:01MXY099D5 #1-594 Acq: 1-MAY-2009 16:13:43 GC EI+ Voltage S1R Autospec-UltimaE  
 Sample#5 Text:LAT8P-1-AA :G9D030340-MB Exp:209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4620,0,0.00%,F,T) A1.13E7

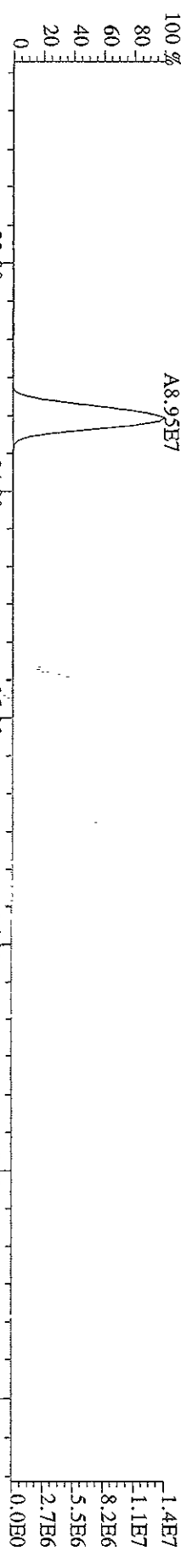


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 323.8834 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4180,0.00%,F,T)

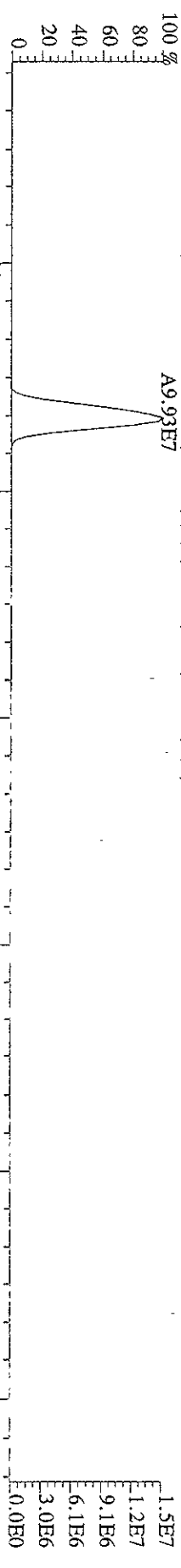




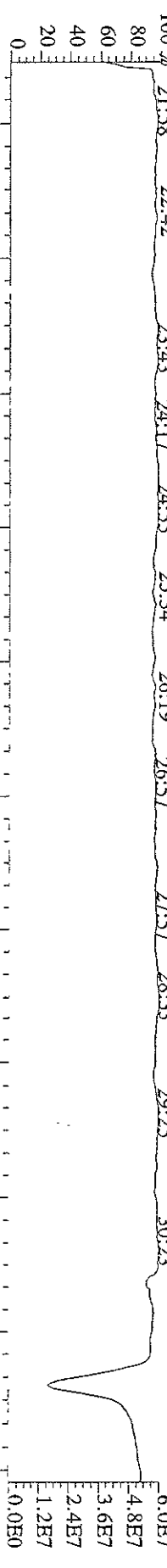
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 Sample#5 Text:LAT8P-1-AA :G9D030340-MB Exp:209DB5  
 439.8038 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,T)



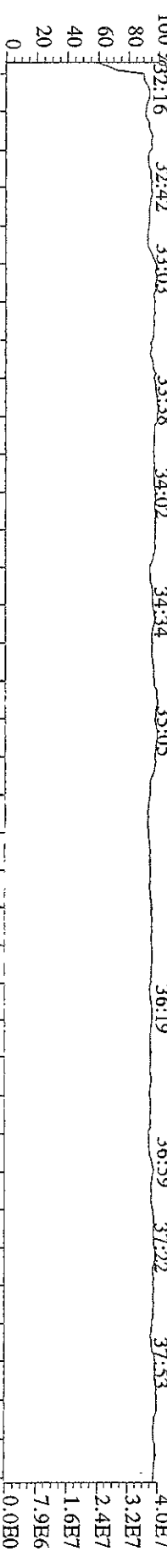
441.8008 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,88.0,0.00%,F,T)



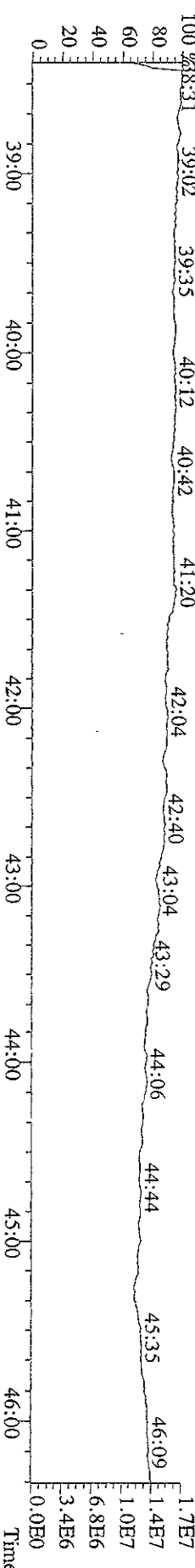
380.9760 S:5 F:3 SMO(1.5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



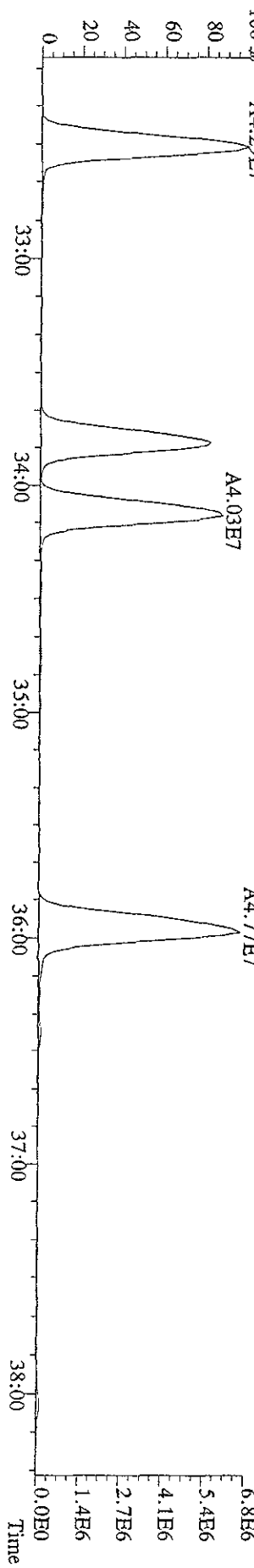
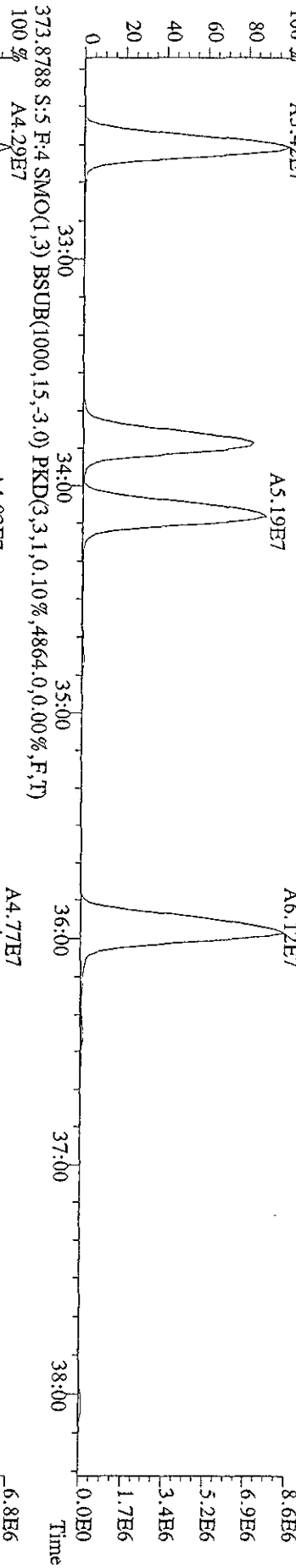
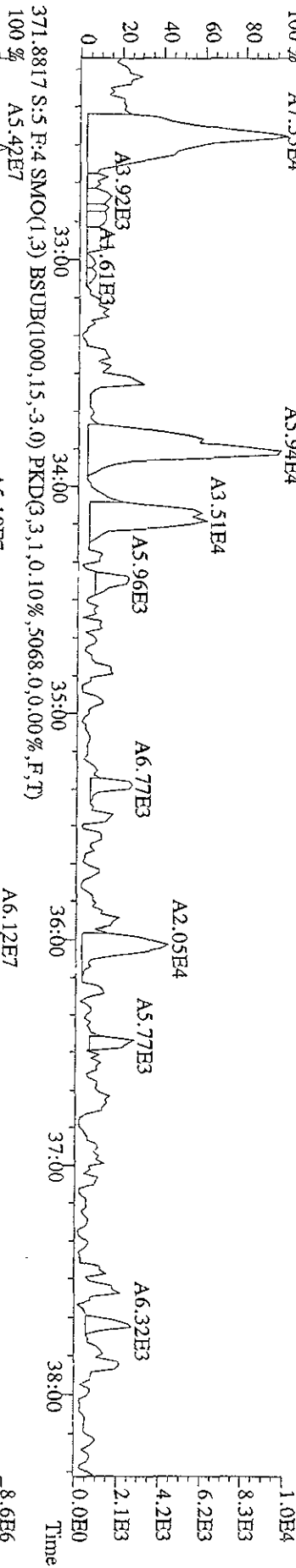
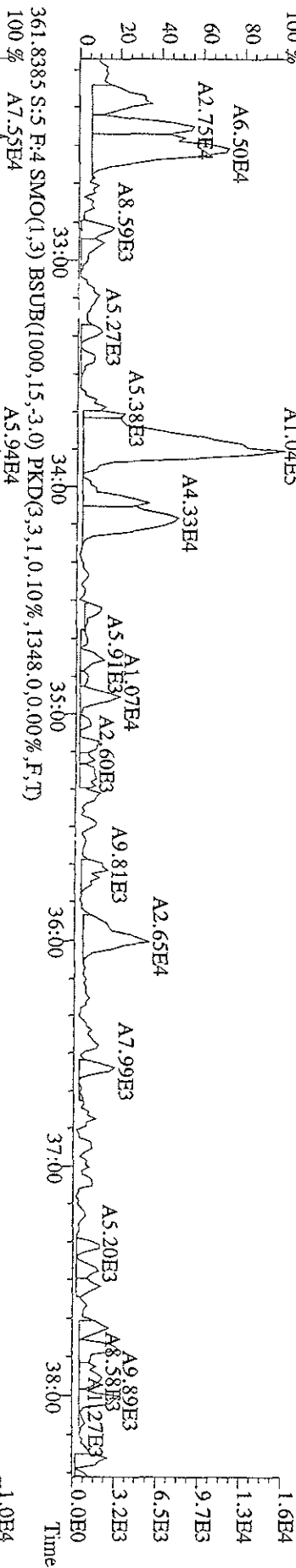
380.9760 S:5 F:4 SMO(1.5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



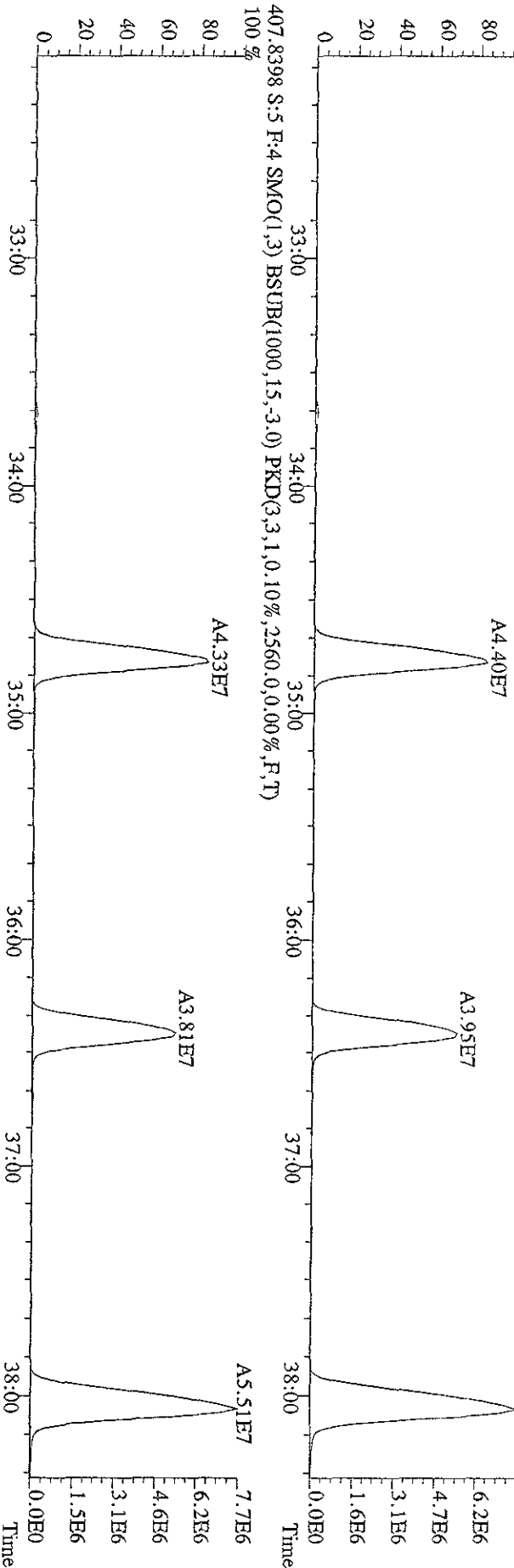
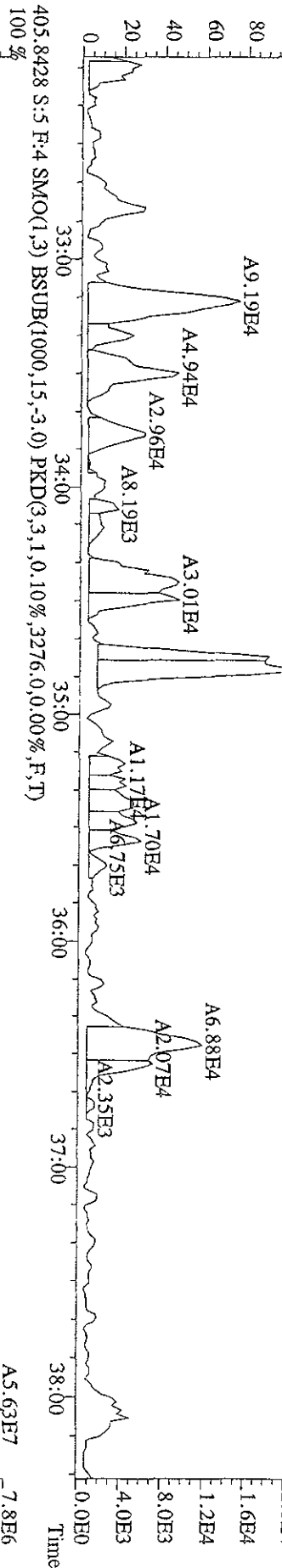
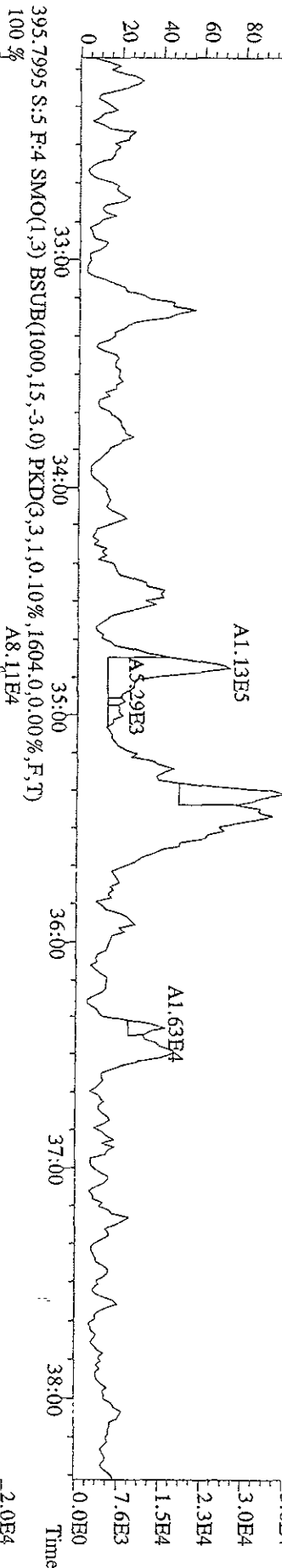
480.9696 S:5 F:5 SMO(1.5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



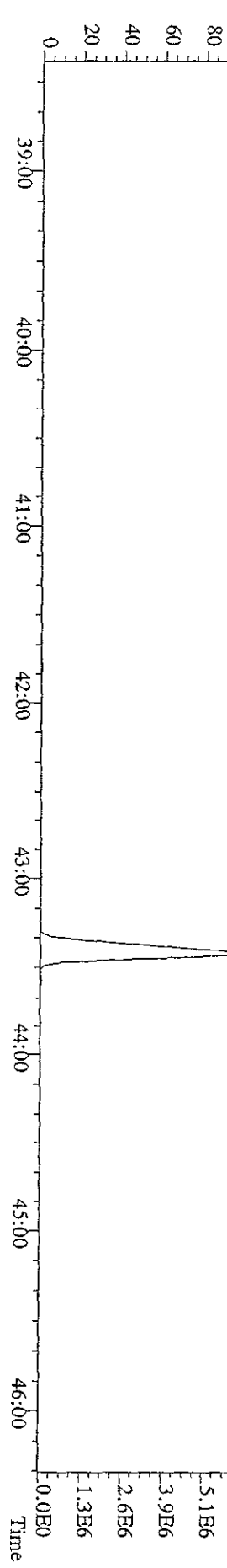
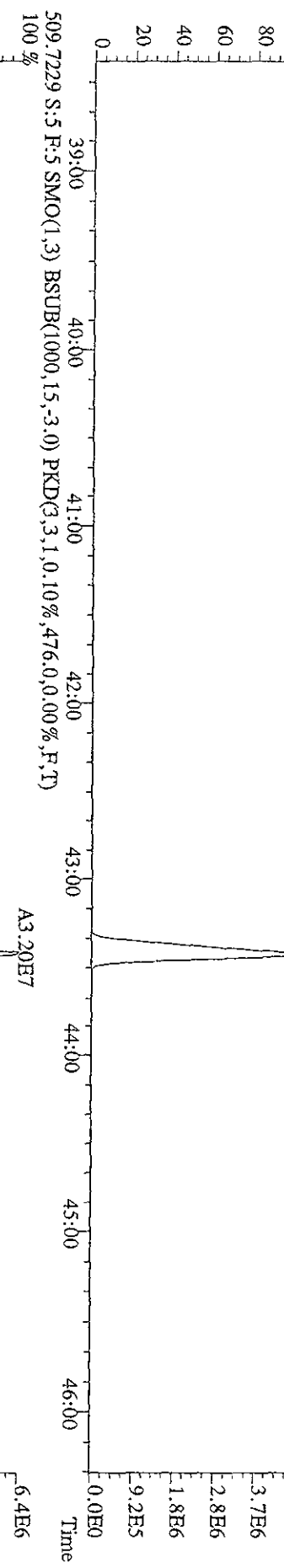
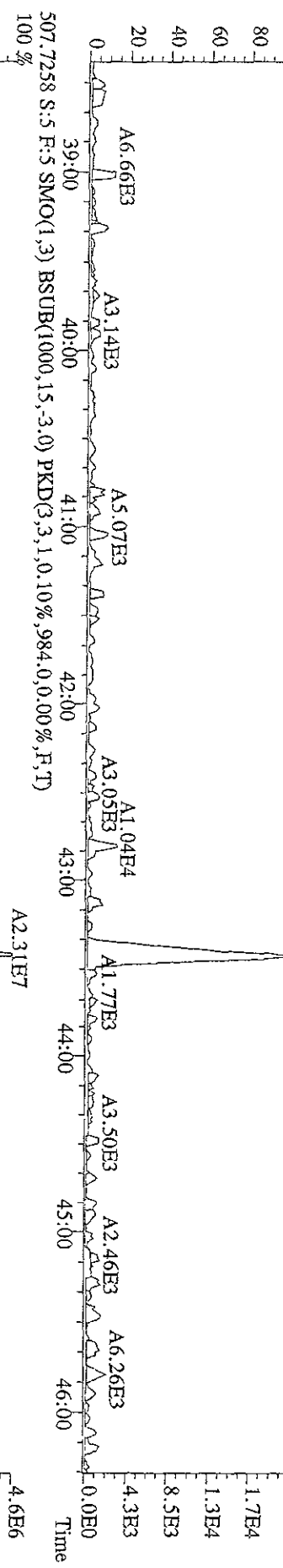
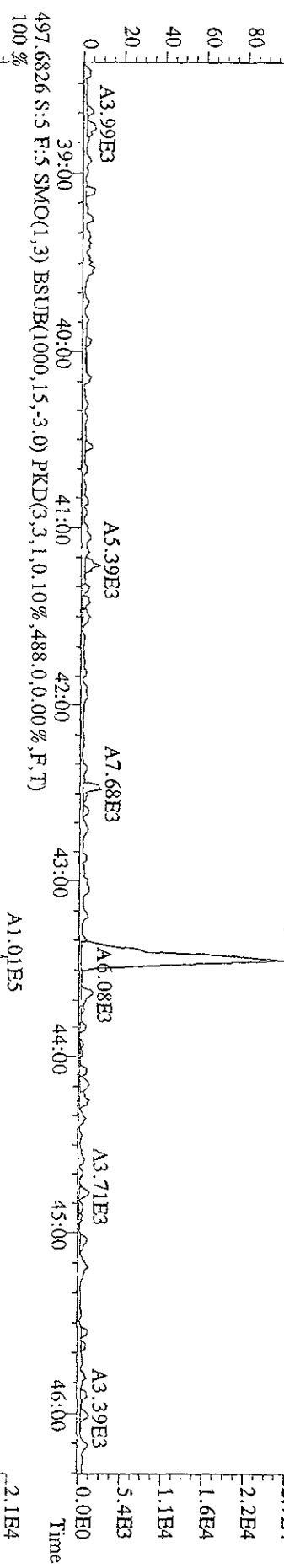
File:01MAY09D5 #1-381 Acq: 1-MAY-2009 16:13:43 GC: EI+ Voltage: SIR Autospec-UltimaE  
 Sample#5 Text: LAT8P-1-AA :G9D030340-MB Exp:209DB5  
 359,8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,972.0,0,00%,F,T)  
 100%



File:01MAY099D5 #1-381 Acq: 1-MAY-2009 16:13:43 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:LA78P-1-AA :G9D030340-MB Exp:209DB5  
 393.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6768,0,0,00%,F,T)  
 100%



File:01MAY099D5 #1-529 Acq: 1-MAY-2009 16:13:43 GC RI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:LAT8P-1-AA :G9D030340-MB Exp:209DB5  
 495.6856 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,604.0,0.00%,F,T)



Run text: LAT8P-1-AC Sample text: LAT8P-1-AC :G9D030340-LCS  
 Run #9 Filename: 01MY099D5 S: 6 I: 1 Results: 01MY099D51668MSLDEC  
 Acquired: 1-MAY-09 17:04:58 Processed: 1-MAY-09 18:05:32  
 Run: 01MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.0000µg

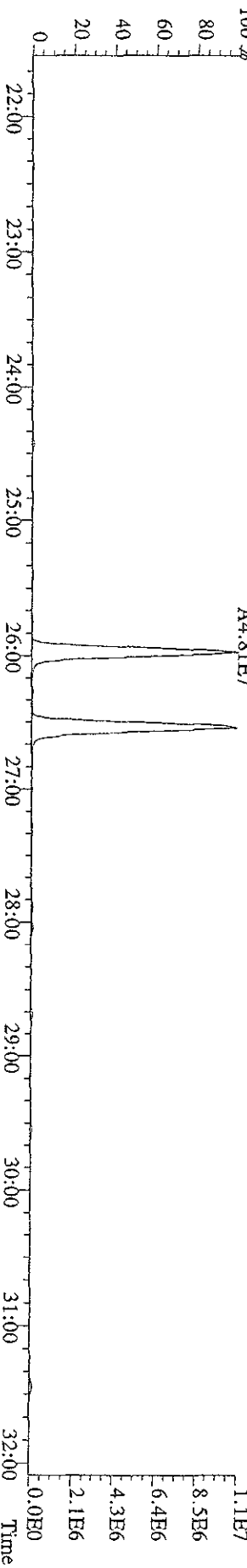
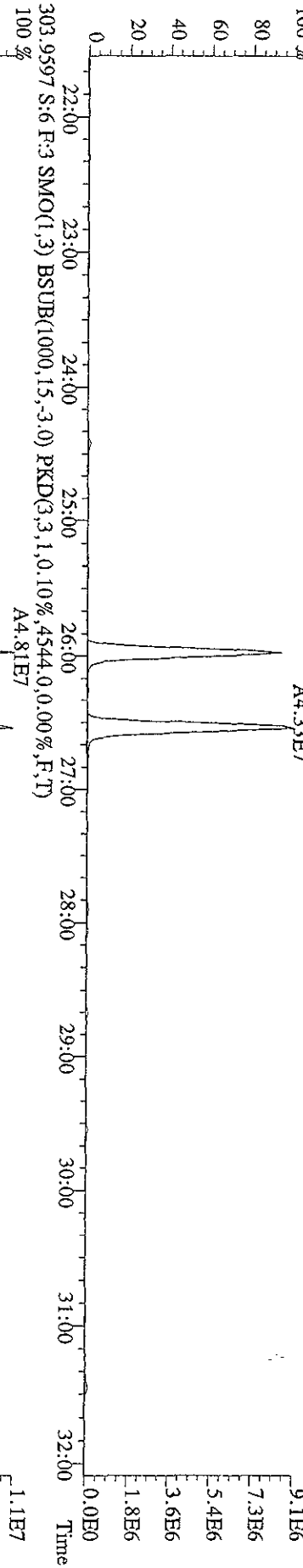
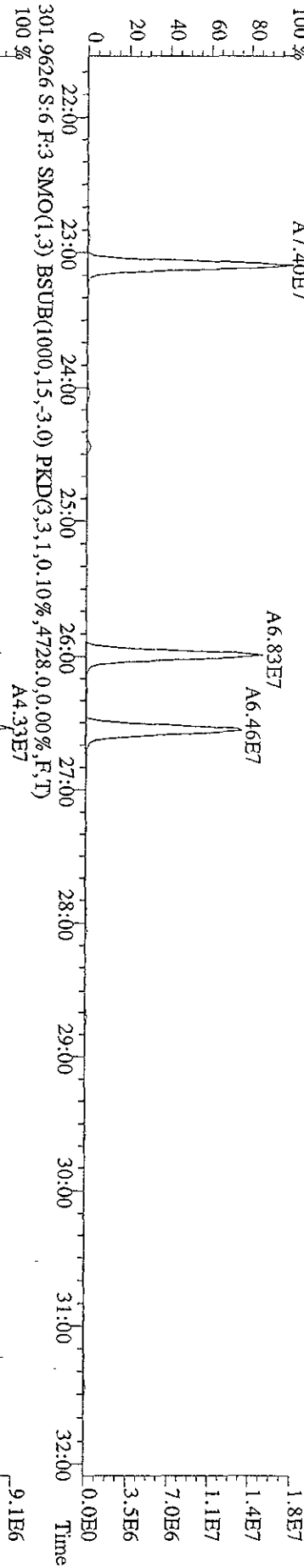
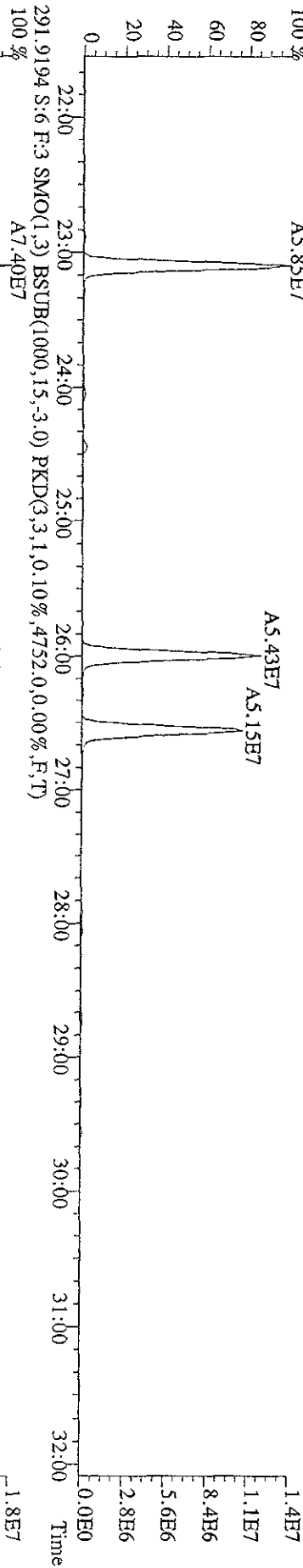
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	166502100	0.66 y	24:26	-	6.81	-	-	n
13C-TCB-81	86649700	0.80 y	25:59	0.95	109.87	0.13	54.9	n
TCB-81	122595800	0.79 y	26:00	1.28	221.37	0.23	-	n
13C-TCB-77	94123800	0.85 y	26:33	0.98	115.09	0.12	57.5	n
TCB-77	116096000	0.80 y	26:34	1.10	223.56	0.26	-	n
13C-PeCB-123	99321900	0.67 y	27:54	0.87	136.90	0.10	68.5	n
PeCB-123	175640900	0.59 y	27:55	1.51	234.38	0.15	-	n
13C-PeCB-118	105619200	0.66 y	28:02	0.98	128.86	0.09	64.4	n
PeCB-118/106	191404500	0.60 y	28:03	1.53	237.20	0.14	-	n
13C-PeCB-114	105633900	0.65 y	28:41	0.97	131.31	0.09	65.7	n
PeCB-114	193967000	0.59 y	28:42	1.59	231.63	0.13	-	n
13C-PeCB-105	112085300	0.66 y	29:33	0.90	150.05	0.10	75.0	n
PeCB-105/127	183042200	0.60 y	29:34	1.42	229.65	0.15	-	n
13C-PeCB-126	133816200	0.66 y	31:27	0.91	176.34	0.10	88.2	n
PeCB-126	178771000	0.61 y	31:28	1.17	227.74	0.17	-	n
13C-OcCB-202	177330100	0.89 y	33:44	-	6.89	-	-	n
13C-HxCB-167	117622100	1.28 y	32:34	0.84	157.63	0.19	78.8	n
HxCB-167	132190600	1.26 y	32:34	1.17	192.30	0.31	-	y
13C-HxCB-156	101316600	1.30 y	33:50	0.67	170.49	0.23	85.2	n
HxCB-156	176170600	1.27 y	33:52	1.45	239.46	0.31	-	n
13C-HxCB-157	110061500	1.28 y	34:10	0.71	175.62	0.22	87.8	n
HxCB-157	188799700	1.24 y	34:11	1.45	237.19	0.28	-	n
13C-HxCB-169	129331000	1.29 y	36:00	0.73	198.86	0.21	99.4	n
HxCB-169	148658700	1.27 y	36:00	0.99	232.40	0.38	-	n
13C-HpCB-180	100792000	1.02 y	34:48	0.58	194.45	0.12	97.2	n
HpCB-180	135550500	1.07 y	34:50	1.27	212.59	0.18	-	n
13C-HpCB-170	85916500	1.04 y	36:27	0.47	204.25	0.14	102.1	n
HpCB-170/190	149718400	1.08 y	36:28	1.61	216.95	0.17	-	n
13C-HpCB-189	121404800	1.01 y	38:04	0.60	228.77	0.11	114.4	n
HpCB-189	156243800	1.10 y	38:05	1.21	213.36	0.17	-	n
13C-DeCB-209	82542600	0.71 y	43:38	0.46	202.31	0.02	101.2	n
DECB-209	132143200	0.69 y	43:39	1.50	212.78	0.03	-	n
13C-PeCB-111	*	* n	Not Fnd	1.36	*	0.12	*	n

*S/S/14*

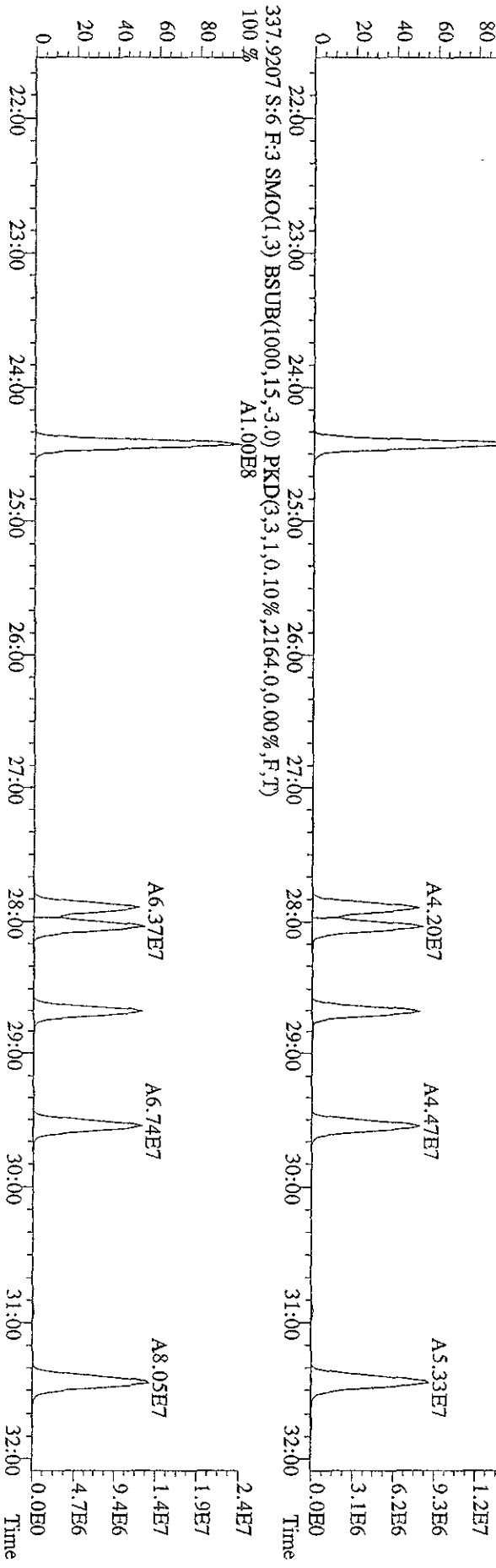
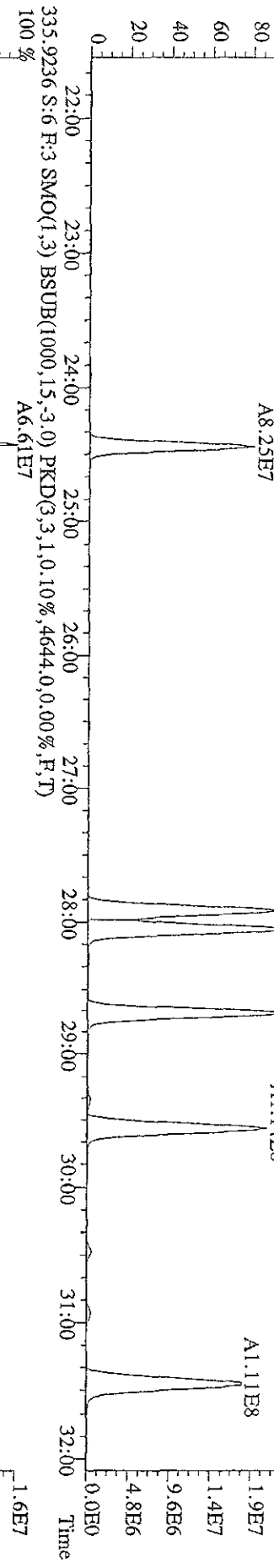
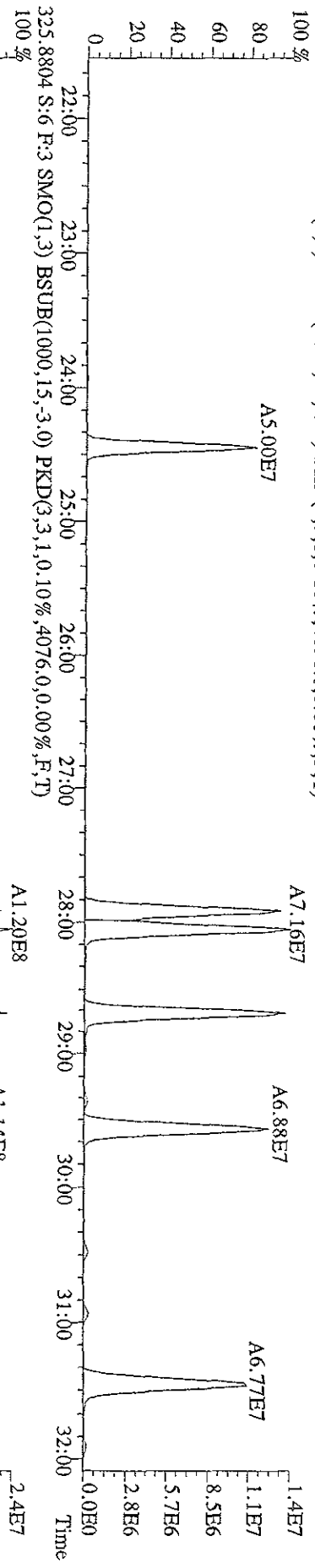
Run text: LAT8P-1-AC Sample text: LAT8P-1-AC :G9D030340-LCS  
 Run #9 Filename: 01MY099D5 S: 6 I: 1 Results: 01MY099D51668MSLDEC  
 Acquired: 1-MAY-09 17:04:58 Processed: 1-MAY-09 18:05:32  
 Run: 01MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.0000µg

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	166502100	0.66 y	24:26	-	6.81	-	-	n
13C-TCB-81	86649700	0.80 y	25:59	0.95	109.87	0.13	54.9	n
TCB-81	122595800	0.79 y	26:00	1.28	221.37	0.23	-	n
13C-TCB-77	94123800	0.85 y	26:33	0.98	115.09	0.12	57.5	n
TCB-77	116096000	0.80 y	26:34	1.10	223.56	0.26	-	n
13C-PeCB-123	99321900	0.67 y	27:54	0.87	136.90	0.10	68.5	n
PeCB-123	175640900	0.59 y	27:55	1.51	234.38	0.15	-	n
13C-PeCB-118	105619200	0.66 y	28:02	0.98	128.86	0.09	64.4	n
PeCB-118/106	191404500	0.60 y	28:03	1.53	237.20	0.14	-	n
13C-PeCB-114	105633900	0.65 y	28:41	0.97	131.31	0.09	65.7	n
PeCB-114	193967000	0.59 y	28:42	1.59	231.63	0.13	-	n
13C-PeCB-105	112085300	0.66 y	29:33	0.90	150.05	0.10	75.0	n
PeCB-105/127	183042200	0.60 y	29:34	1.42	229.65	0.15	-	n
13C-PeCB-126	133816200	0.66 y	31:27	0.91	176.34	0.10	88.2	n
PeCB-126	178771000	0.61 y	31:28	1.17	227.74	0.17	-	n
13C-OcCB-202	177330100	0.89 y	33:44	-	6.89	-	-	n
13C-HxCB-167	117622100	1.28 y	32:34	0.84	157.63	0.19	78.8	n
HxCB-167	292172000	1.26 y	32:33	1.17	425.03	0.31	-	n
13C-HxCB-156	101316600	1.30 y	33:50	0.67	170.49	0.23	85.2	n
HxCB-156	176170600	1.27 y	33:52	1.45	239.46	0.31	-	n
13C-HxCB-157	110061500	1.28 y	34:10	0.71	175.62	0.22	87.8	n
HxCB-157	188799700	1.24 y	34:11	1.45	237.19	0.28	-	n
13C-HxCB-169	129331000	1.29 y	36:00	0.73	198.86	0.21	99.4	n
HxCB-169	148658800	1.27 y	36:00	0.99	232.40	0.38	-	n
13C-HpCB-180	100792000	1.02 y	34:48	0.58	194.45	0.12	97.2	n
HpCB-180	135550500	1.07 y	34:50	1.27	212.59	0.18	-	n
13C-HpCB-170	85916500	1.04 y	36:27	0.47	204.25	0.14	102.1	n
HpCB-170/190	149718400	1.08 y	36:28	1.61	216.95	0.17	-	n
13C-HpCB-189	121404800	1.01 y	38:04	0.60	228.77	0.11	114.4	n
HpCB-189	156243800	1.10 y	38:05	1.21	213.36	0.17	-	n
13C-DeCB-209	82542600	0.71 y	43:38	0.46	202.31	0.02	101.2	n
DECB-209	132143200	0.69 y	43:39	1.50	212.78	0.03	-	n
13C-PeCB-111	*	* n	Not Fnd	1.36	*	0.12	*	n

File:01MYY099D5 #1-594 Acq: 1-MAY-2009 17:04:58 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:LAT8P-1-AC :G9D030340-LCS Exp:209DB5  
 289.9224 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6556,0,0,00%,F,T)  
 100%

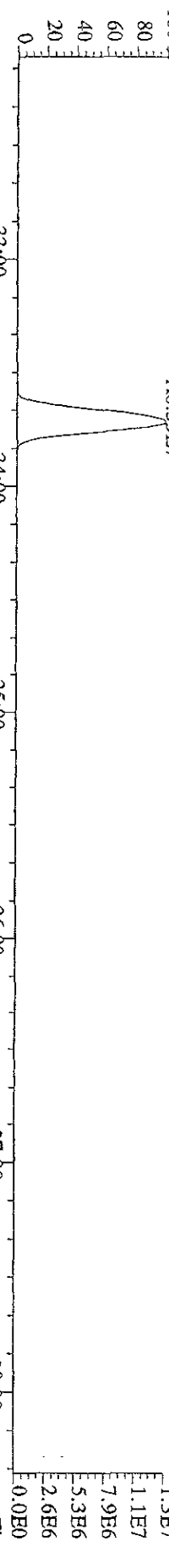


File:01MAY099D5 #1-594 Acq: 1-MAY-2009 17:04:58 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:LAT8P-1-AC :G9D030340-LCS Exp:209DB5  
 323.8834 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,4696,0,0.00%,F,T)

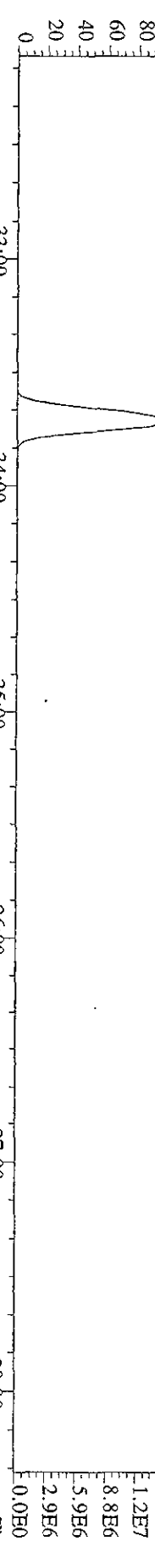




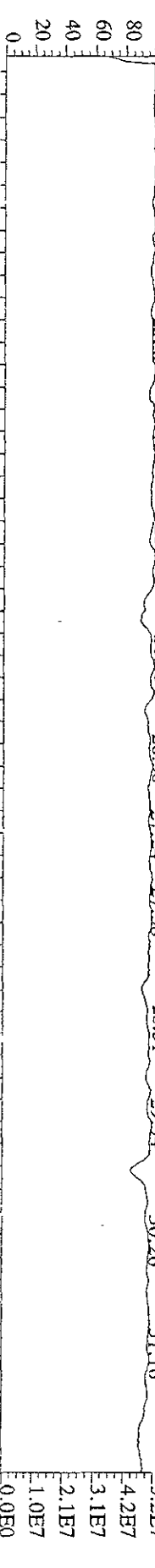
File:01MAY09D5 #1-381 Acq: 1-MAY-2009 17:04:58 GC EI+ Voltage SIR Autospec-UlimnaE  
 Sample#6 Text:LAT8P-1-AC :G9D030340-LCS Exp:209DB5  
 439.8038 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,112.0,0.00%,F,T)  
 A8.35E7



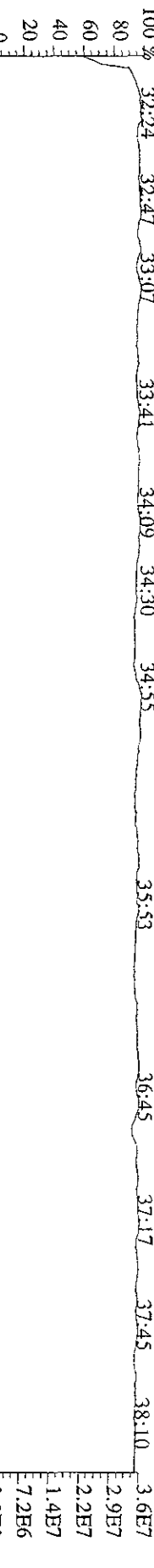
441.8008 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,684.0,0.00%,F,T)  
 A9.38E7



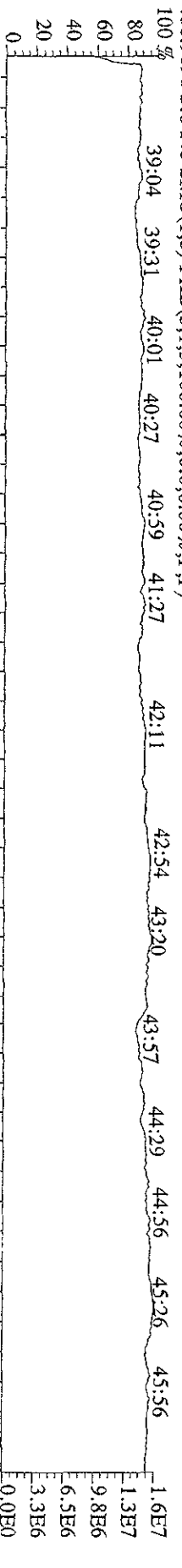
380.9760 S:6 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 22:19 22:58 23:43 24:29 25:16 26:05 26:50 27:24 27:58 28:51 29:34 30:26 31:16

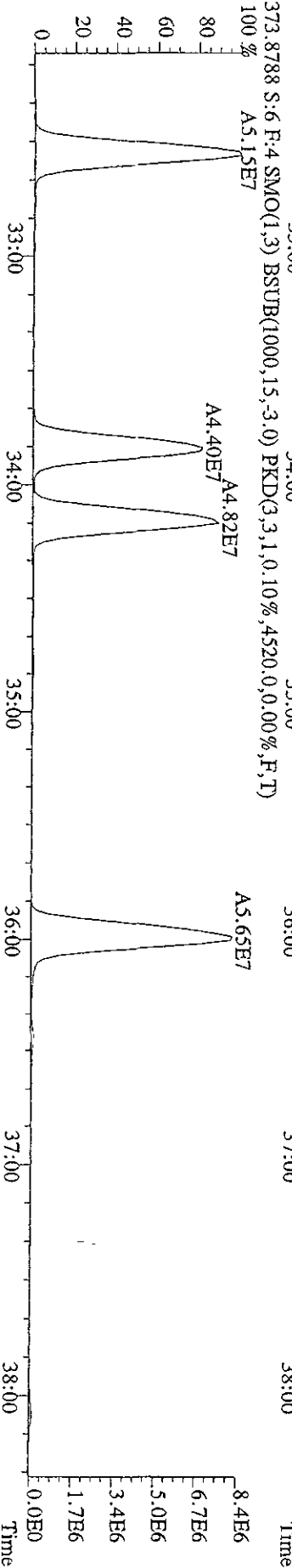
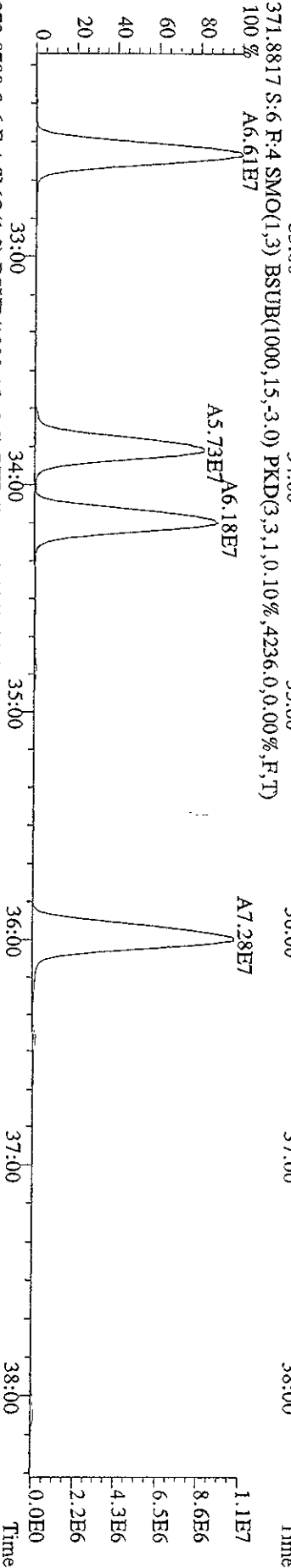
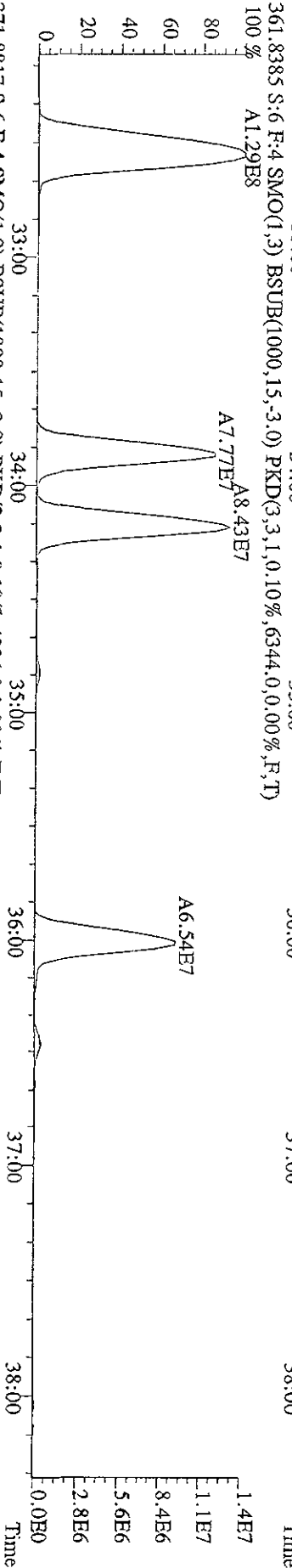
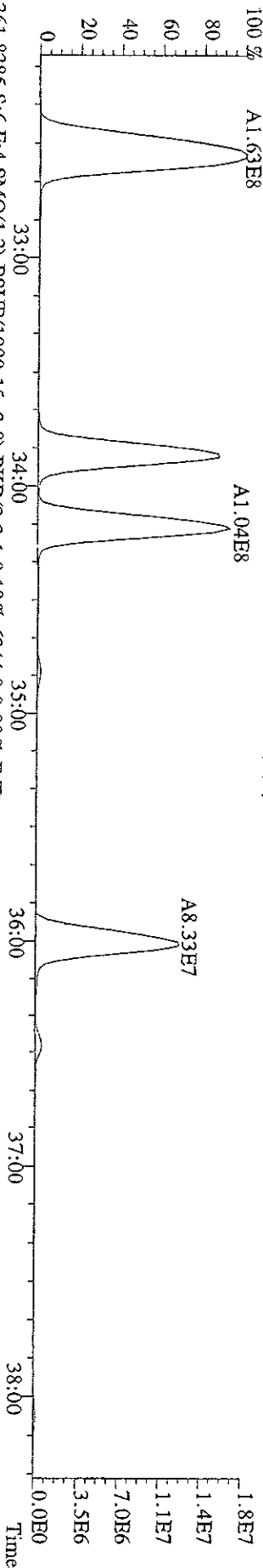


480.9696 S:6 F:5 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 32:24 32:47 33:07 33:41 34:09 34:30 34:55 35:53 36:45 37:17 37:45 38:10

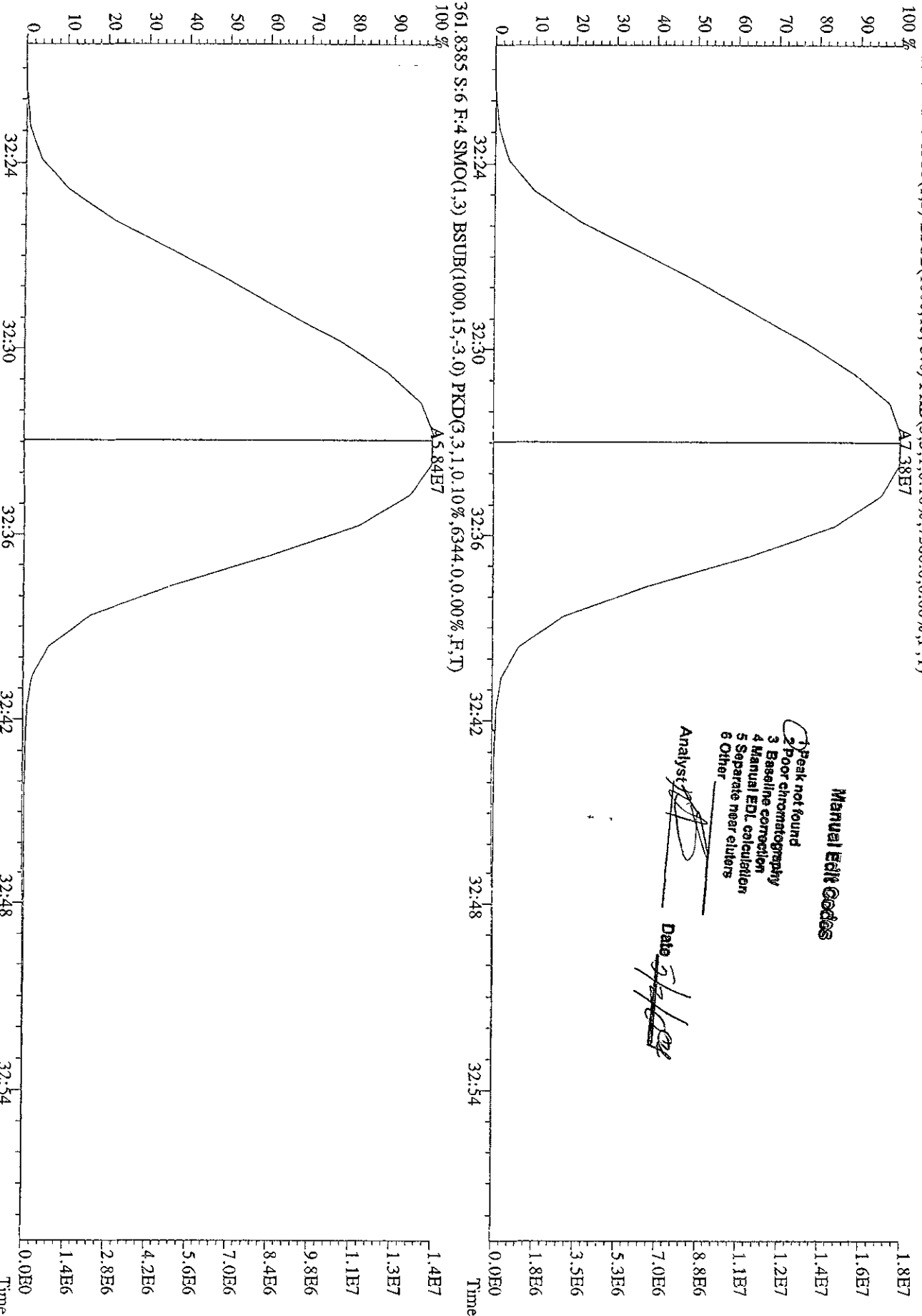


39:04 39:31 40:01 40:27 40:59 41:27 42:11 42:54 43:20 43:57 44:29 44:56 45:26 45:56

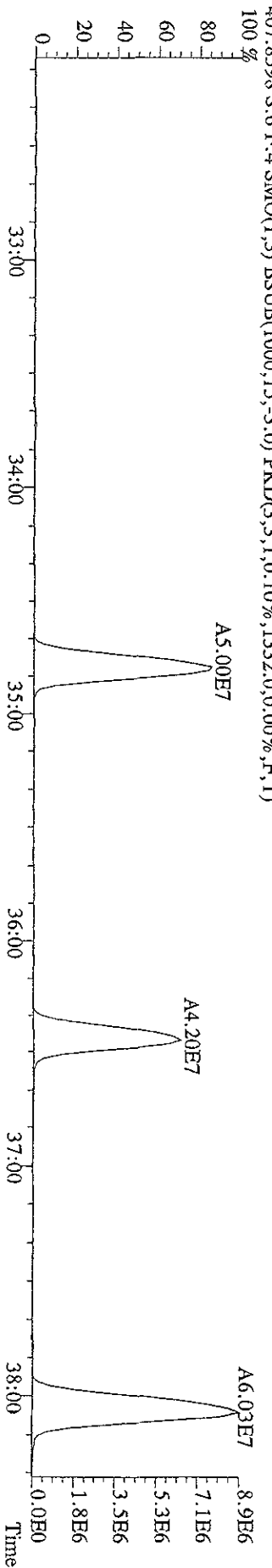
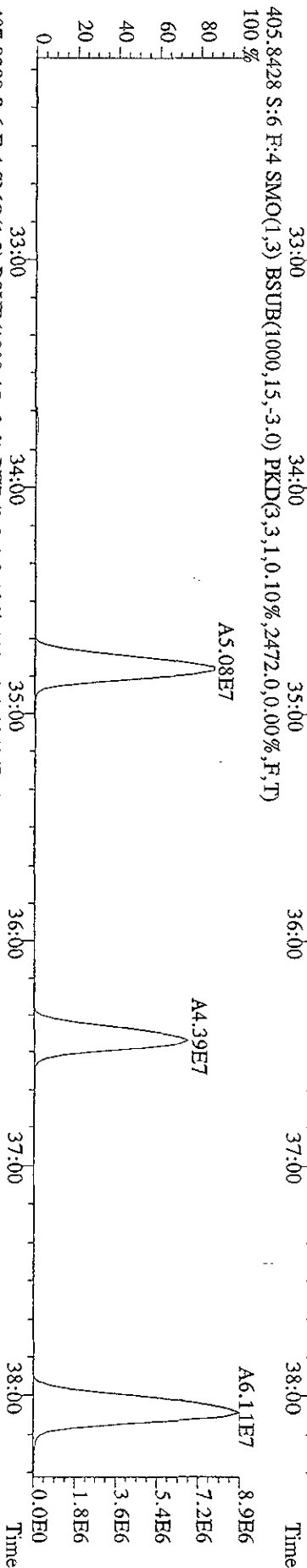
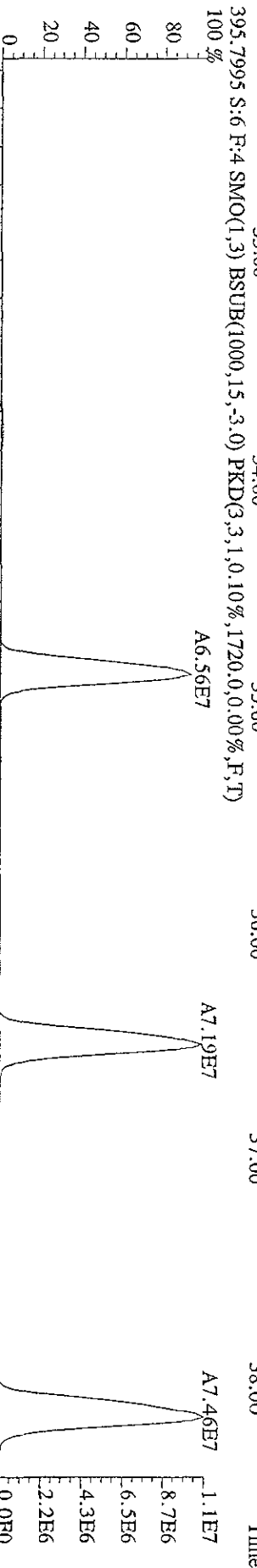
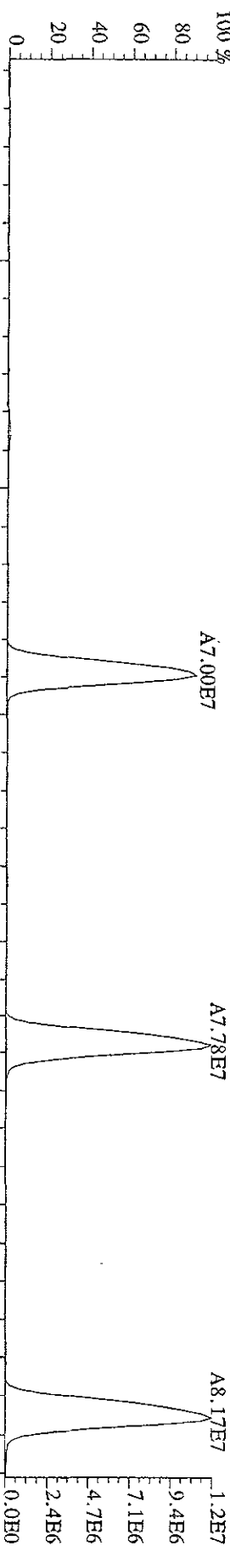




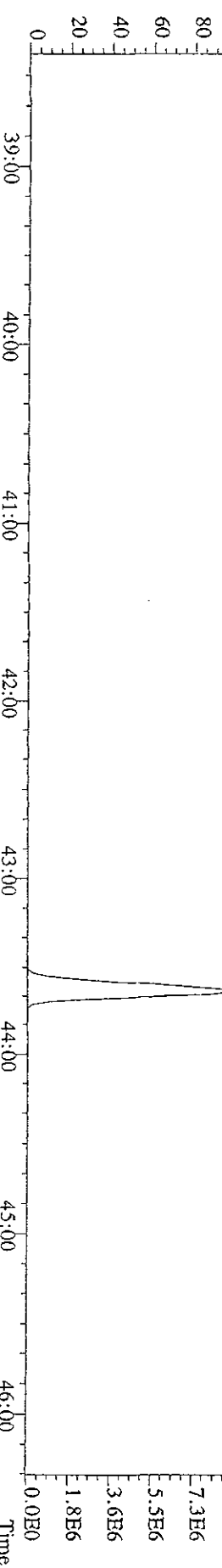
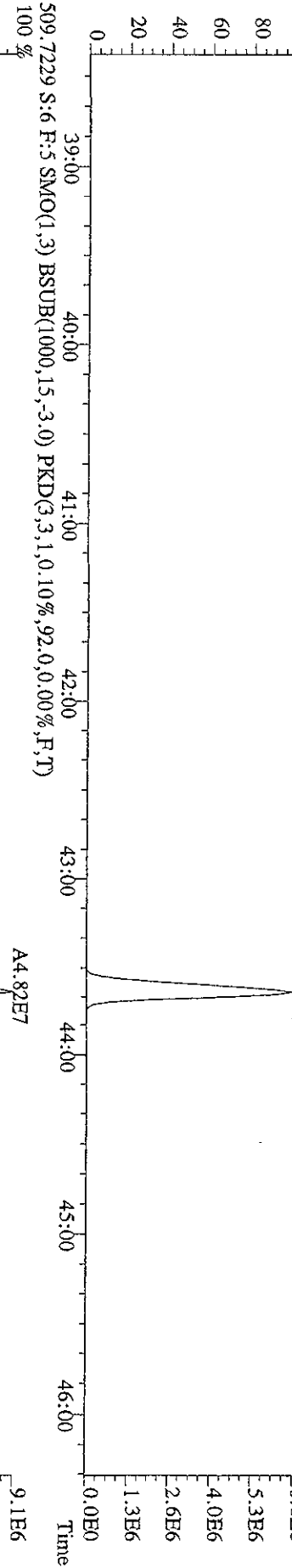
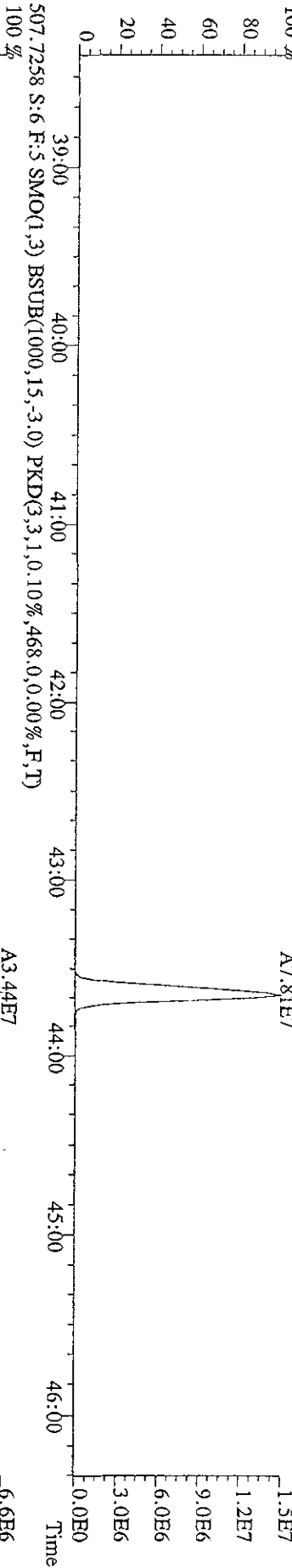
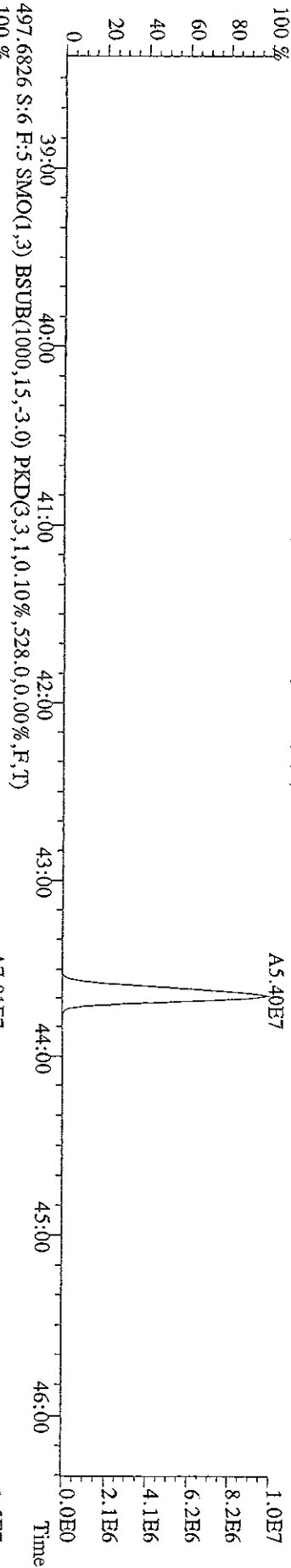
File:01MY099D5 #1-381 Acq: 1-MAY-2009 17:04:58 GC EI+ Voltage S1R Autospec-UltraE  
 Sample#6 Text:LAT8P-1-AC :G9D030340-LCS Exp:209DB5  
 359.8415 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3.3,1.0,10%,7580.0,0.00%,F,T)



File: 01MY099D5 #1-381 Acq: 1-MAY-2009 17:04:58 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text: LAT8P-1-AC : G9D030340-1CS Exp: 209DB5  
 393.8025 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5424.0,0.00%,F,T)



File:01MAY09D5 #1-529 Acq: 1-MAY-2009 17:04:58 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#6 Text:LAT8P-1-AC :G9D030340-LCS Exp:209DB5  
495.6856 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,772.0,0.00%,F,T)



Run text: K9LEP-1-AC Sample text: K9LEP-1-AC :G9D030340-1 (10X)  
 Run #9 Filename: 04MY099D5 S: 10 I: 1 Results: 04MY099D51668MSLDEC  
 Acquired: 4-MAY-09 20:26:01 Processed: 4-MAY-09 23:05:37  
 Run: 04MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.0000g

*FW=50*  
*LL=50 (w/0.94)*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	8338595	0.57 y	24:26	-	0.34	-	-	n
13C-TCB-81	7148361	0.67 y	25:59	0.95	180.99	2.55	90.5	n
TCB-81	*	* n	NotFnd	1.28	*	1.67	-	n
13C-TCB-77	6364652	0.67 y	26:33	0.98	155.39	2.46	77.7	n
TCB-77	213864	0.97 n	26:34	1.10	6.09	2.23	-	n
13C-PeCB-123	7741939	0.60 y	27:55	0.87	213.08	2.26	106.5	n
PeCB-123	*	* n	NotFnd	1.51	*	1.07	-	n
13C-PeCB-118	7510639	0.55 y	28:02	0.98	182.97	2.00	91.5	n
PeCB-118/106	1280855	0.53 y	28:04	1.53	22.32	1.13	-	n
13C-PeCB-114	7960468	0.57 y	28:42	0.97	197.58	2.04	98.8	n
PeCB-114	*	* n	NotFnd	1.59	*	1.01	-	n
13C-PeCB-105	7615813	0.56 y	29:34	0.90	203.58	2.20	101.8	n
PeCB-105/127	535824	0.51 n	29:36	1.42	9.89	1.27	-	n
13C-PeCB-126	7598004	0.55 y	31:28	0.91	199.93	2.16	100.0	n
PeCB-126	68243	0.57 y	31:29	1.17	1.53	1.56	-	n
13C-OcCB-202	8313028	0.83 y	33:45	-	0.32	-	-	n
13C-HxCB-167	12345893	1.31 y	32:36	0.84	352.94	3.54	176.5	n
HxCB-167	285942	0.69 n	32:32	1.17	3.96	1.13	-	n
13C-HxCB-156	9566116	1.33 y	33:53	0.67	343.39	4.45	171.7	n
HxCB-156	134083	1.45 n	33:54	1.45	1.93	1.21	-	n
13C-HxCB-157	10191540	1.29 y	34:12	0.71	346.89	4.22	175.4	n
HxCB-157	*	* n	NotFnd	1.45	*	1.14	-	n
13C-HxCB-169	11055458	1.31 y	36:03	0.73	362.62	4.07	181.3	n
HxCB-169	*	* n	NotFnd	0.99	*	1.52	-	n
13C-HpCB-180	7592725	0.99 y	34:51	0.58	312.46	3.29	156.2	n
HpCB-180	1180945	1.13 y	34:53	1.27	24.59	2.70	-	n
13C-HpCB-170	6060916	1.08 y	36:30	0.47	307.36	4.05	153.7	n
HpCB-170/190	360940	0.82 n	36:31	1.61	7.41	2.57	-	n
13C-HpCB-189	8900826	1.09 y	38:07	0.60	357.78	3.21	178.9	n
HpCB-189	*	* n	NotFnd	1.21	*	2.32	-	n
13C-DeCB-209	2526419	0.67 y	43:28	0.46	132.09	4.01	66.0	n
DECB-209	*	* n	NotFnd	1.50	*	7.86	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	1.93	*	n

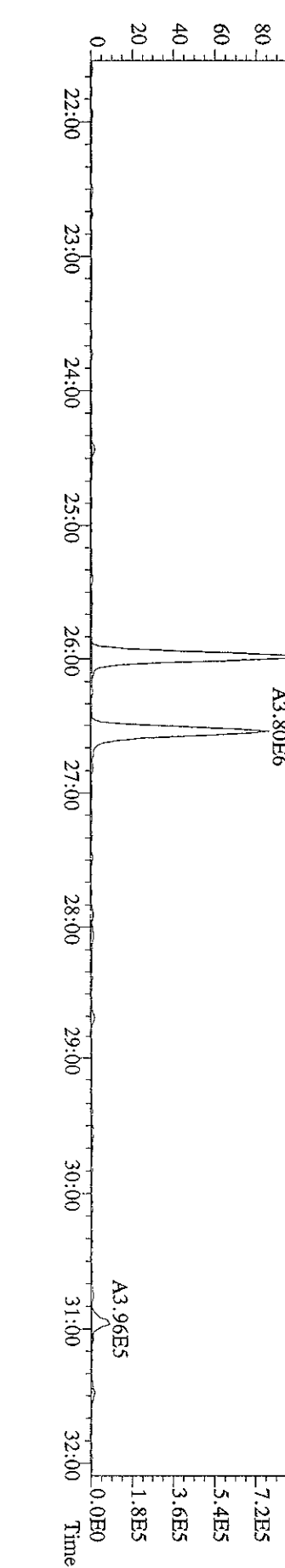
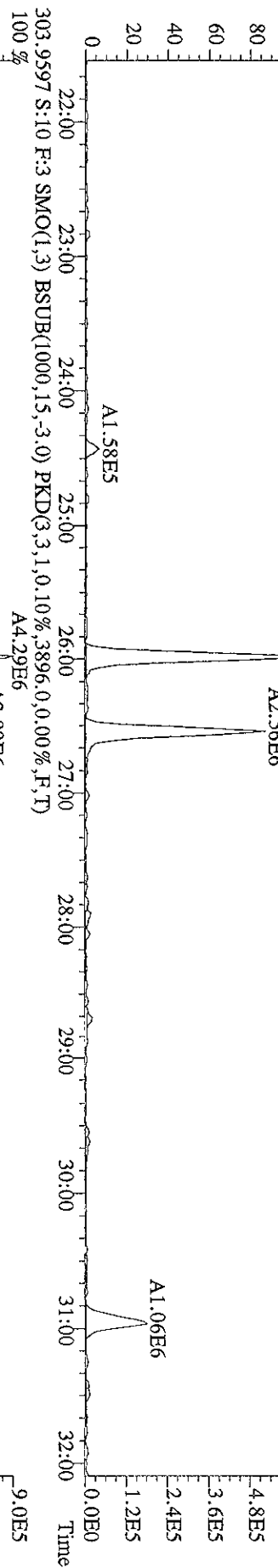
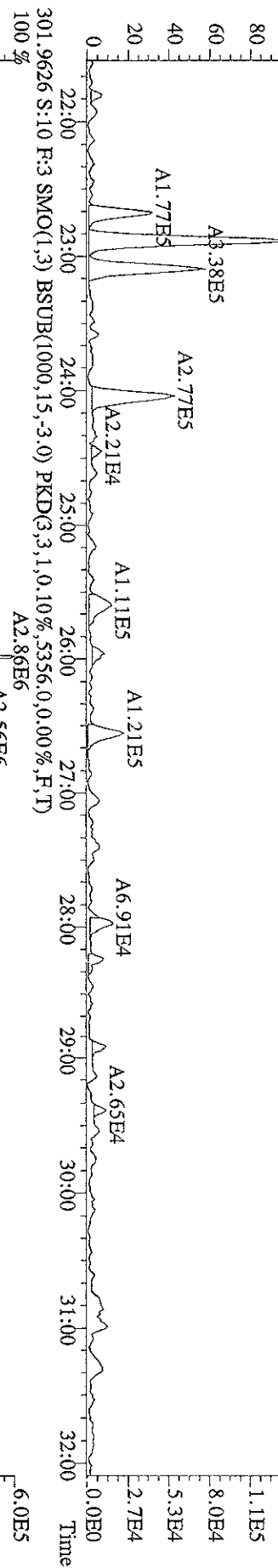
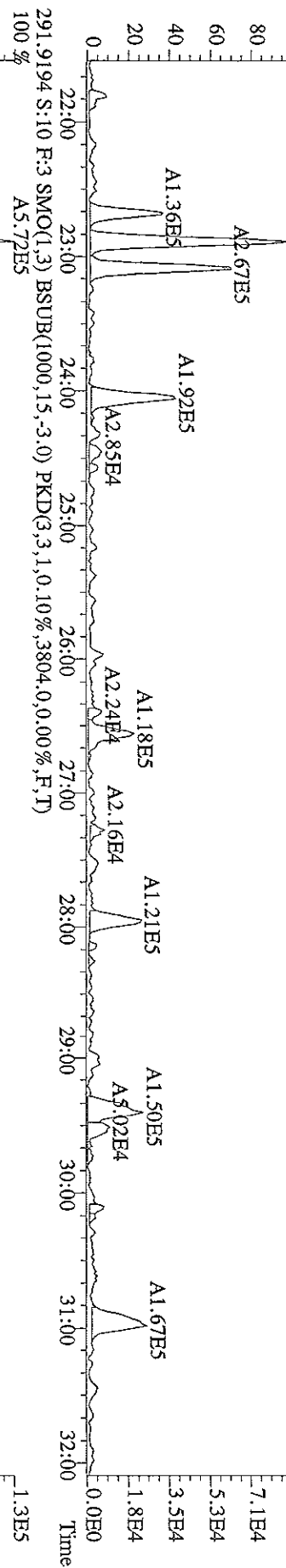
*LRL*

*MA*

176.5  
171.7  
175.4  
181.3  
156.2  
153.7  
178.9

*Sh 5/6/09*

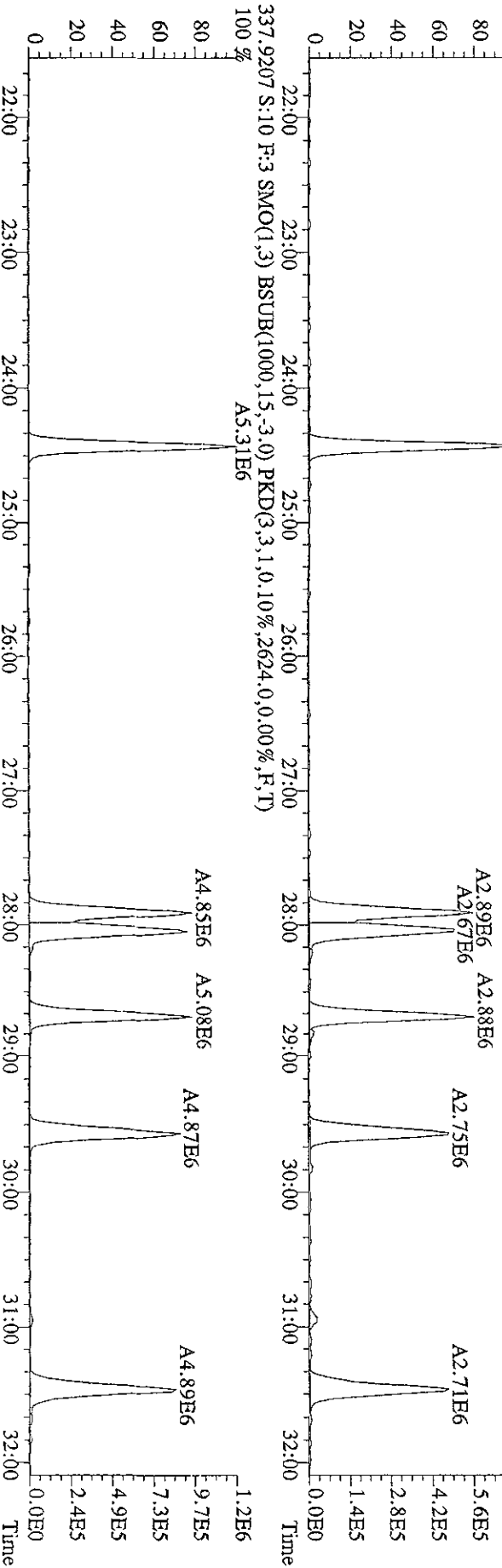
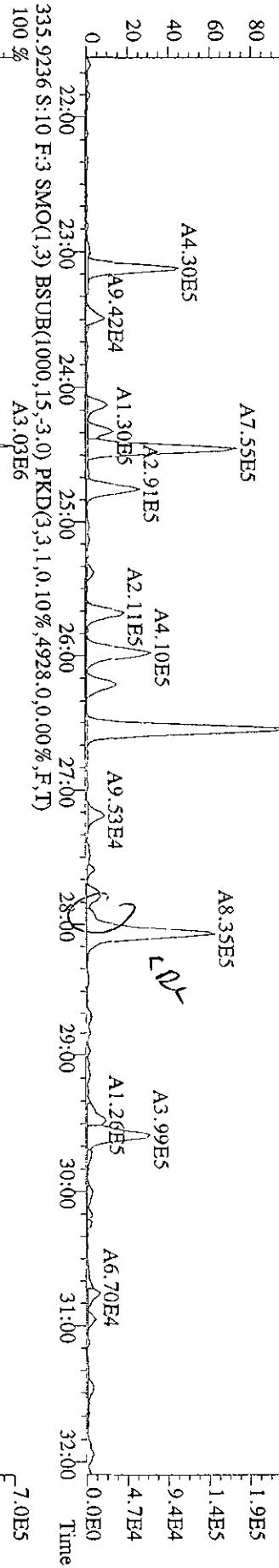
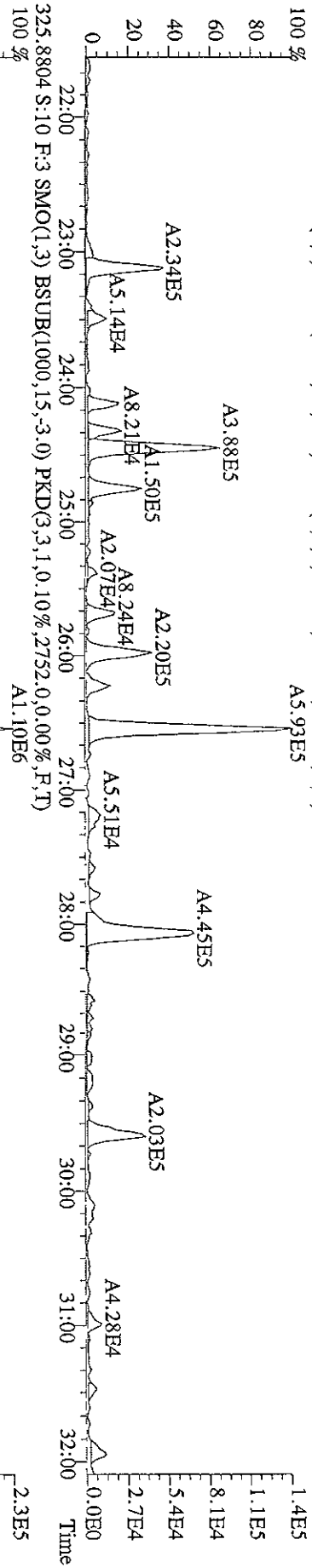
File:04MY099D5 #1-594 Acq: 4-MAY-2009 20:26:01 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#10 Text:K9LEP-1-AC :G9D030340-1 (10X) Exp:209DB5  
 289.9224 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2596.0,0.00%,F,T)  
 100 % A3.77E5



File:04MAY099D5 #1-594 Acq: 4-MAY-2009 20:26:01 GC EI+ Voltage SIR Autospec-Ultimate

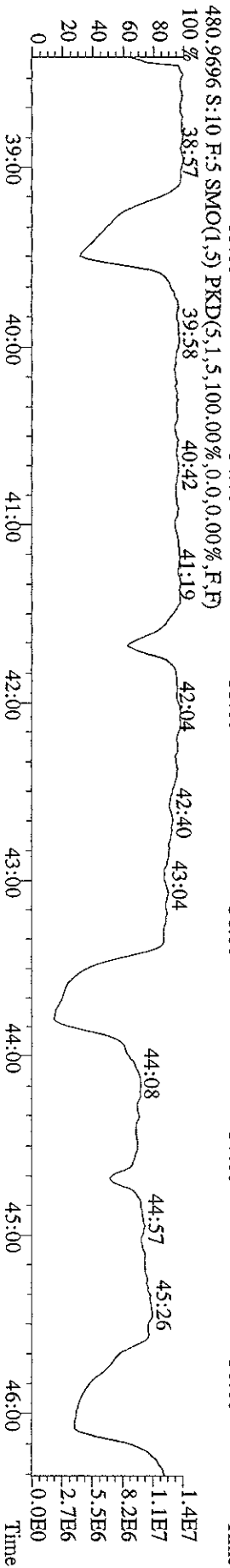
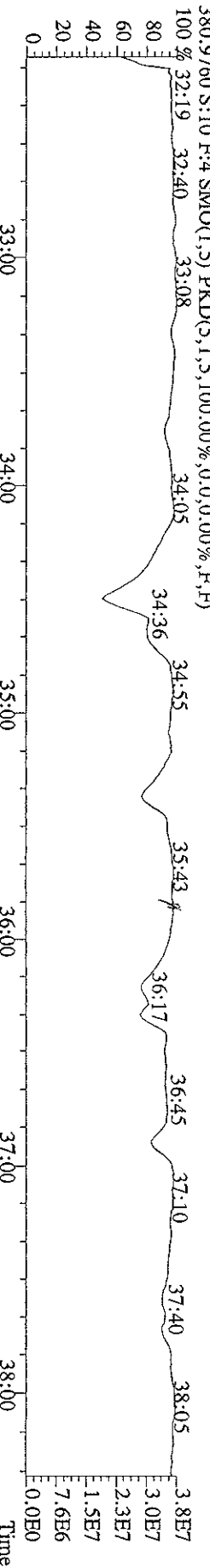
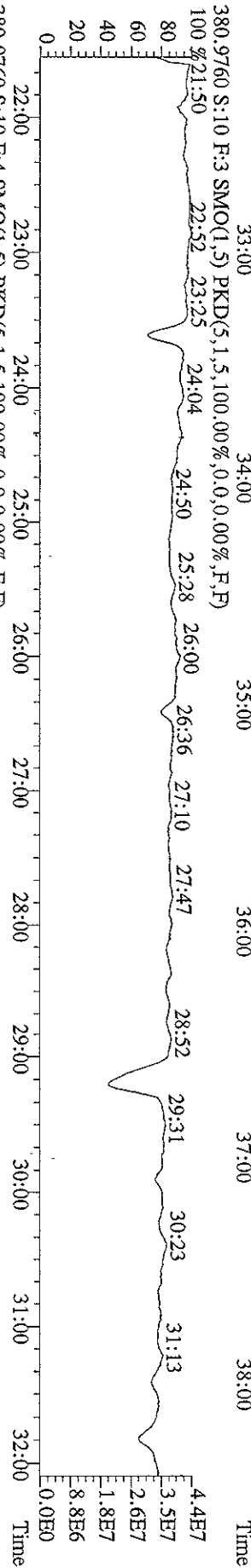
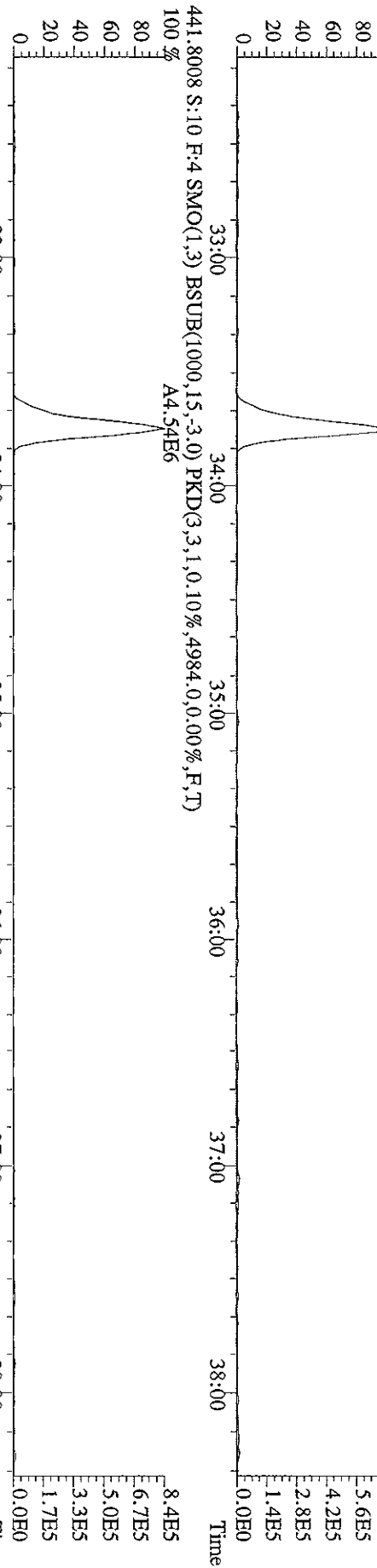
Sample#10 Text:K9LEP-1-AC :G9D030340-1 (10X) Exp:209DB5

323.8834 S:10 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2124.0,0.00%,F,T)

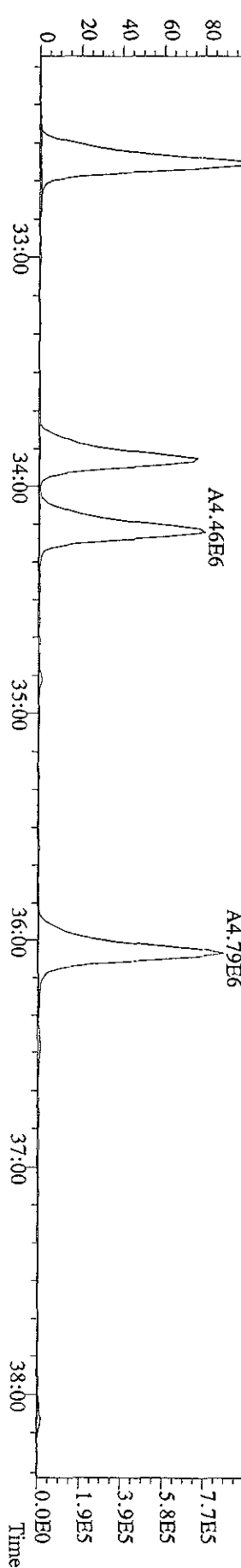
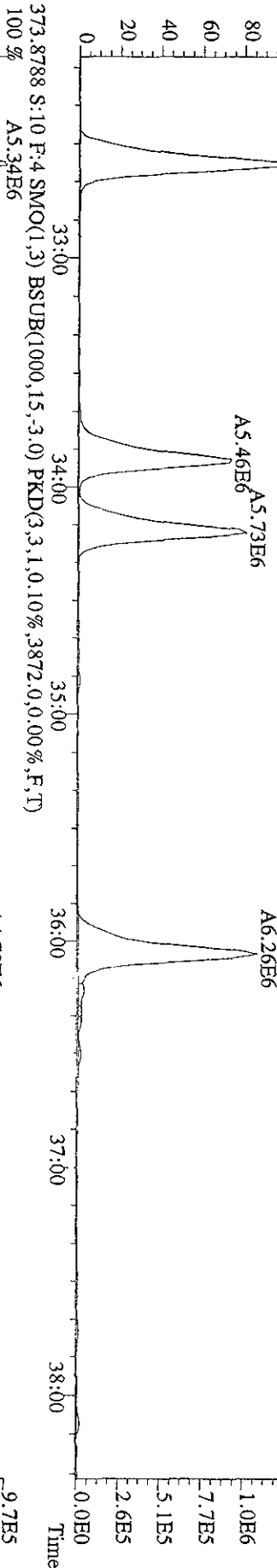
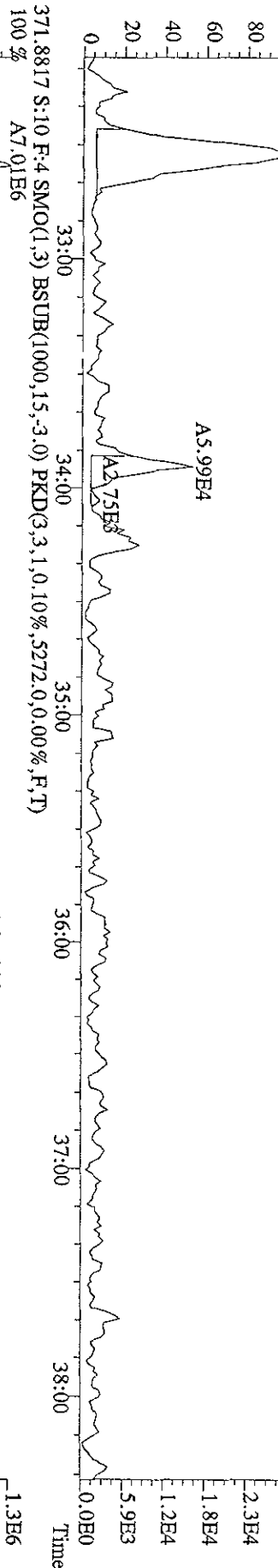
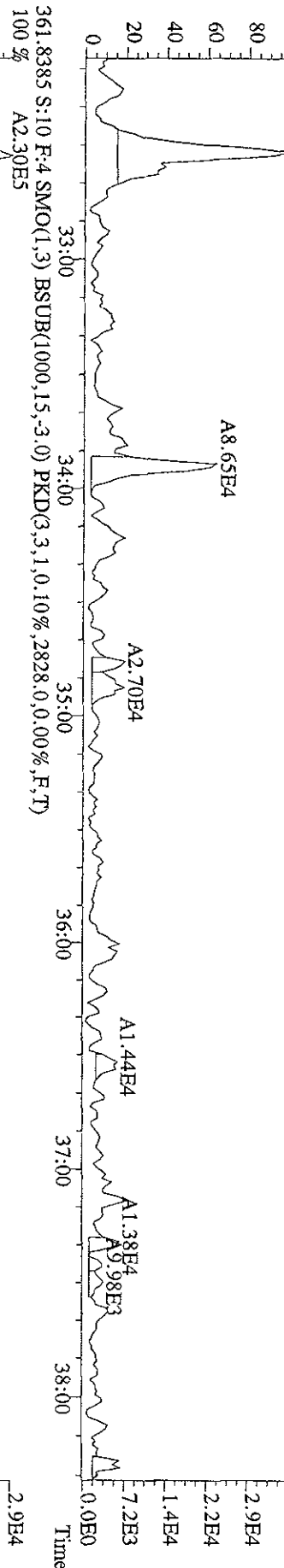




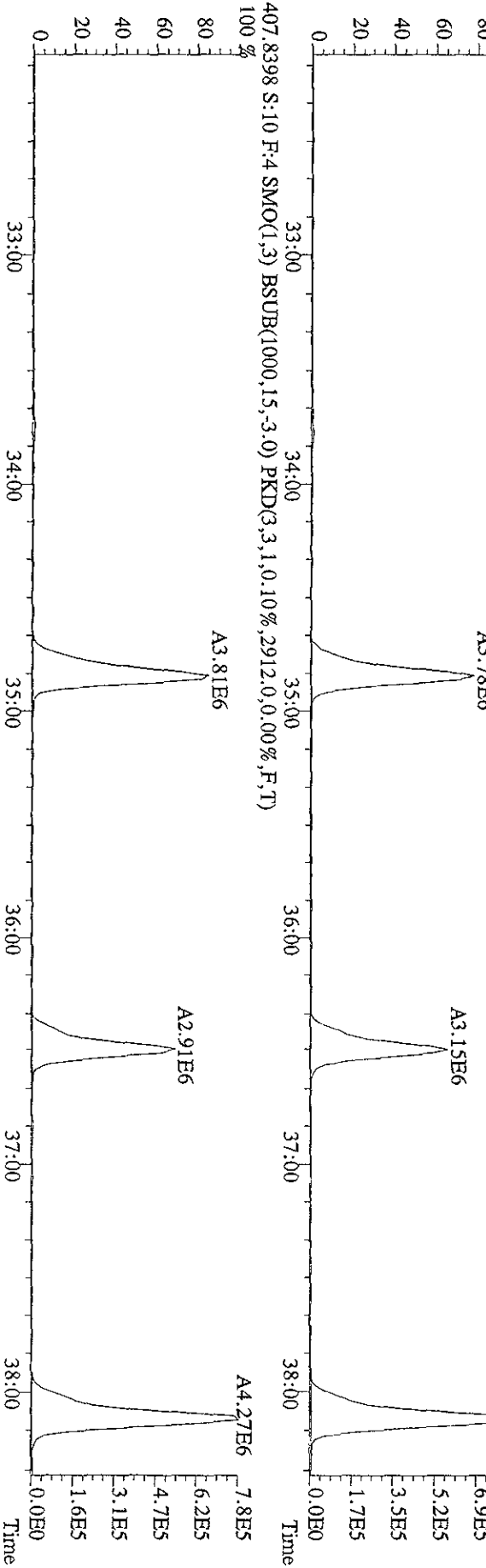
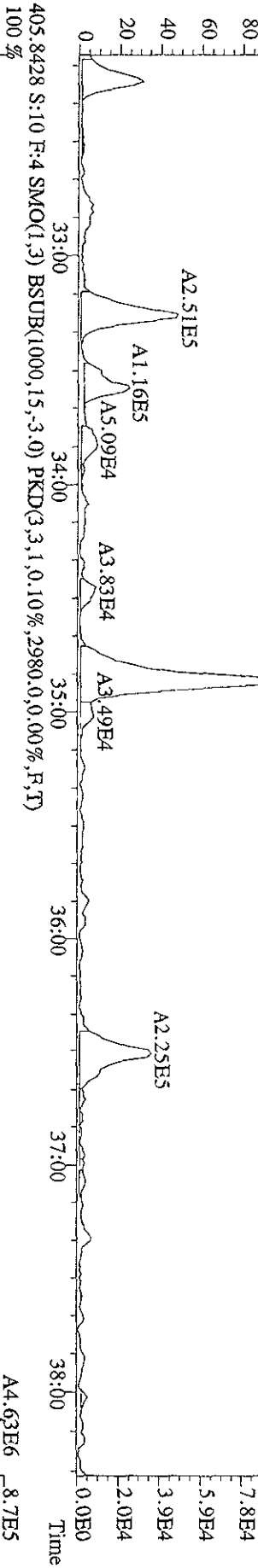
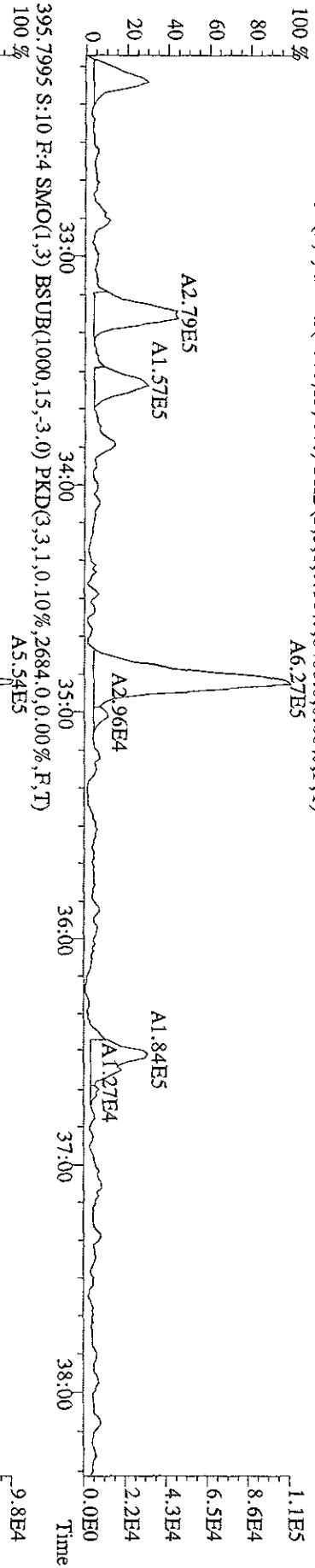
File:04MY099D5 #1-381 Acq: 4-MAY-2009 20:26:01 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#10 Text:K9LEP-1-AC :G9D030340-1 (10X) Exp:209DB5  
 439.8038 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4068,0,0,00%,F,T)  
 A3.77E6



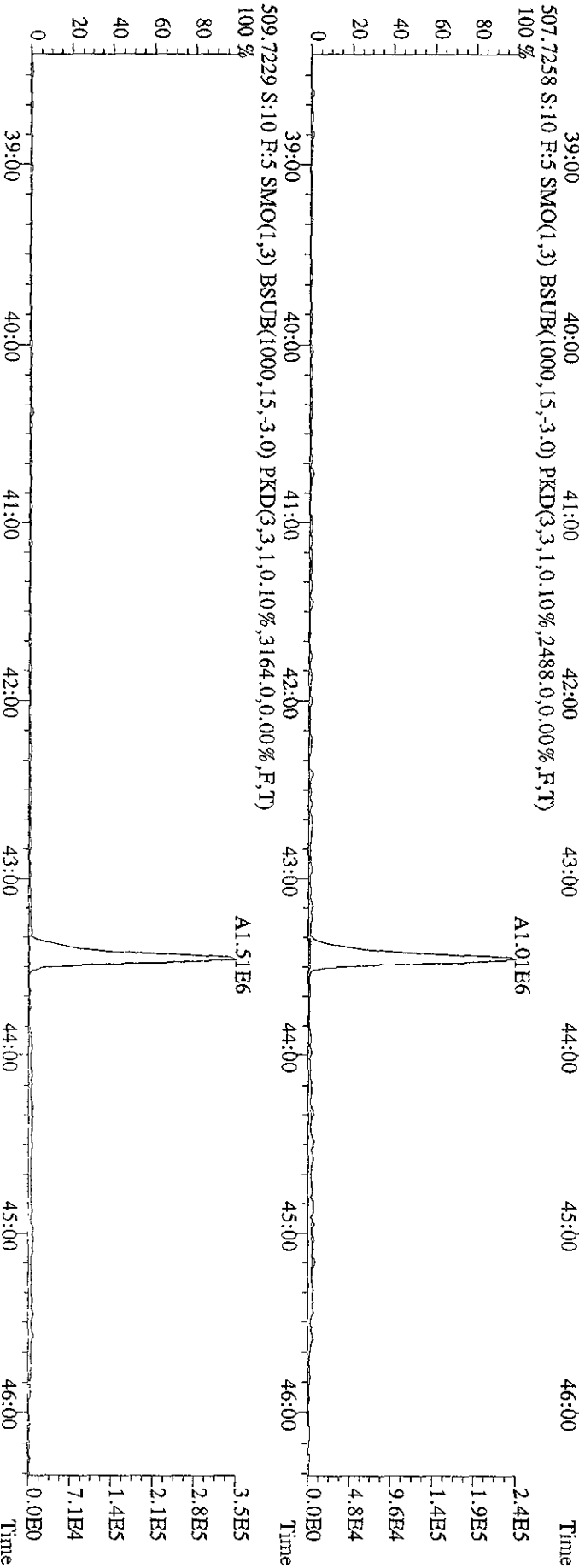
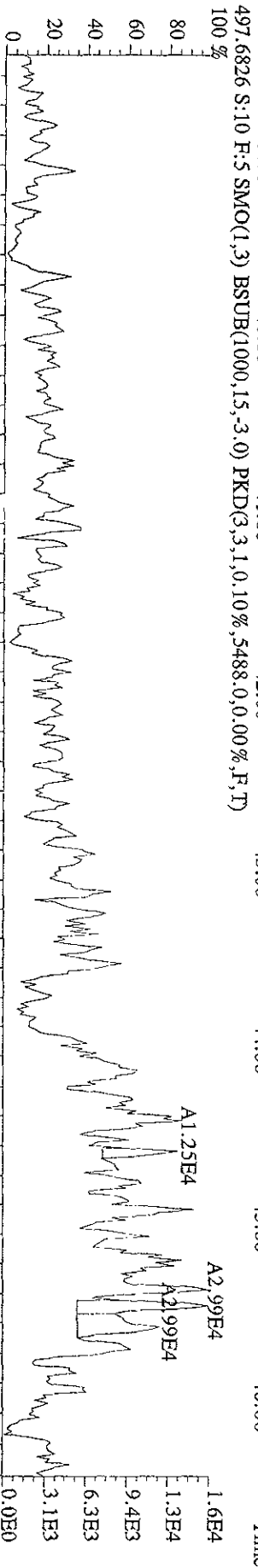
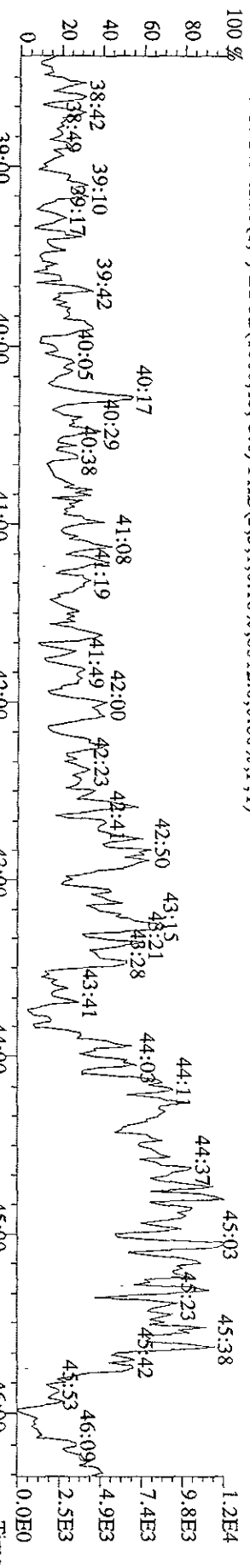
File:04MYY099D5 #1-381 Acq: 4-MAY-2009 20:26:01 GC EI+ Voltage SIR Autospec-Ultima E  
 Sample#10 Text:K9LEP-1-AC :G9D030340-1 (10X) Exp:209DB5  
 359,8415 S:10 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3092.0,0.00%,F,T)  
 100% A1.58E5



File:04MAY099D5 #1-381 Acq: 4-MAY-2009 20:26:01 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#10 Text:K9LEP-1-AC : G9D030340-1 (10X) Exp:209DB5  
 393.8025 S:10 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6488.0,0.00%,F,T)



File:04MAY09D5 #1-529 Acq: 4-MAY-2009 20:26:01 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#10 Text:K9LEP-1-AC :G9D030340-1 (10X) Exp:209DB5  
 495.6856 S:10 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,8512.0,0.00%,F,T)



Run text: K9LEQ-1-AC Sample text: K9LEQ-1-AC :G9D030340-2 (10X)  
 Run #10 Filename: 04MY099D5 S: 11 I: 1 Results: 04MY099D51668MSLDEC  
 Acquired: 4-MAY-09 21:17:21 Processed: 4-MAY-09 23:05:38  
 Run: 04MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.18007g

*FL=50*  
*RL=50*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	5665080	0.54 y	24:27	-	0.23	-	-	n
13C-TCB-81	4234236	0.65 (n)	25:60	0.95	155.01	2.19	78.9	n
TCB-81	*	* n	NotFnd	1.28	*	1.64	-	n
13C-TCB-77	5229874	0.65 y	26:34	0.98	184.62	2.11	94.0	n
TCB-77	147717	0.73 y	26:36	1.10	5.03	1.46	-	n
13C-PeCB-123	6070188	0.57 y	27:55	0.87	241.56	2.20	123.0	n
PeCB-123	*	* n	NotFnd	1.51	*	1.11	-	n
13C-PeCB-118	5856099	0.57 y	28:03	0.98	206.28	1.95	105.0	n
PeCB-118/106	659095	0.62 y	28:04	1.53	14.47	1.15	-	n
13C-PeCB-114	5960162	0.61 y	28:42	0.97	213.90	1.98	108.9	n
PeCB-114	*	* n	NotFnd	1.59	*	1.11	-	n
13C-PeCB-105	5675164	0.55 y	29:35	0.90	219.35	2.14	111.7	n
PeCB-105/127	295306	0.64 y	29:36	1.42	7.19	1.35	-	n
13C-PeCB-126	6421035	0.55 y	31:28	0.91	244.30	2.10	124.3	n
PeCB-126	*	* n	NotFnd	1.17	*	1.56	-	n
13C-OcCB-202	6636536	0.76 (n)	33:45	-	0.25	-	-	n
13C-HxCB-167	9517677	1.28 y	32:36	0.84	334.80	2.66	170.4	n
HxCB-167	249056	1.00 n	32:31	1.17	4.40	0.96	-	n
13C-HxCB-156	7649291	1.29 y	33:54	0.67	337.87	3.34	172.0	n
HxCB-156	86533	1.05 n	33:56	1.45	1.53	0.97	-	n
13C-HxCB-157	8143062	1.32 y	34:12	0.71	341.04	3.16	173.6	n
HxCB-157	70519	1.16 y	34:13	1.45	1.18	0.91	-	n
13C-HxCB-169	8878288	1.27 y	36:04	0.73	358.32	3.05	182.4	n
HxCB-169	*	* n	NotFnd	0.99	*	1.25	-	n
13C-HpCB-180	6457185	1.10 y	34:51	0.58	326.97	2.27	166.4	n
HpCB-180	665328	1.04 y	34:52	1.27	16.00	2.71	-	n
13C-HpCB-170	4921905	1.07 y	36:30	0.47	307.13	2.80	156.3	n
HpCB-170/190	179504	1.25 n	36:31	1.61	4.46	2.70	-	n
13C-HpCB-189	6931184	1.05 y	38:07	0.60	342.82	2.22	174.5	n
HpCB-189	*	* n	NotFnd	1.21	*	2.52	-	n
13C-DeCB-209	2910996	0.77 y	43:28	0.46	187.27	5.26	95.3	n
DECB-209	*	* n	NotFnd	1.50	*	6.26	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	1.57	*	n

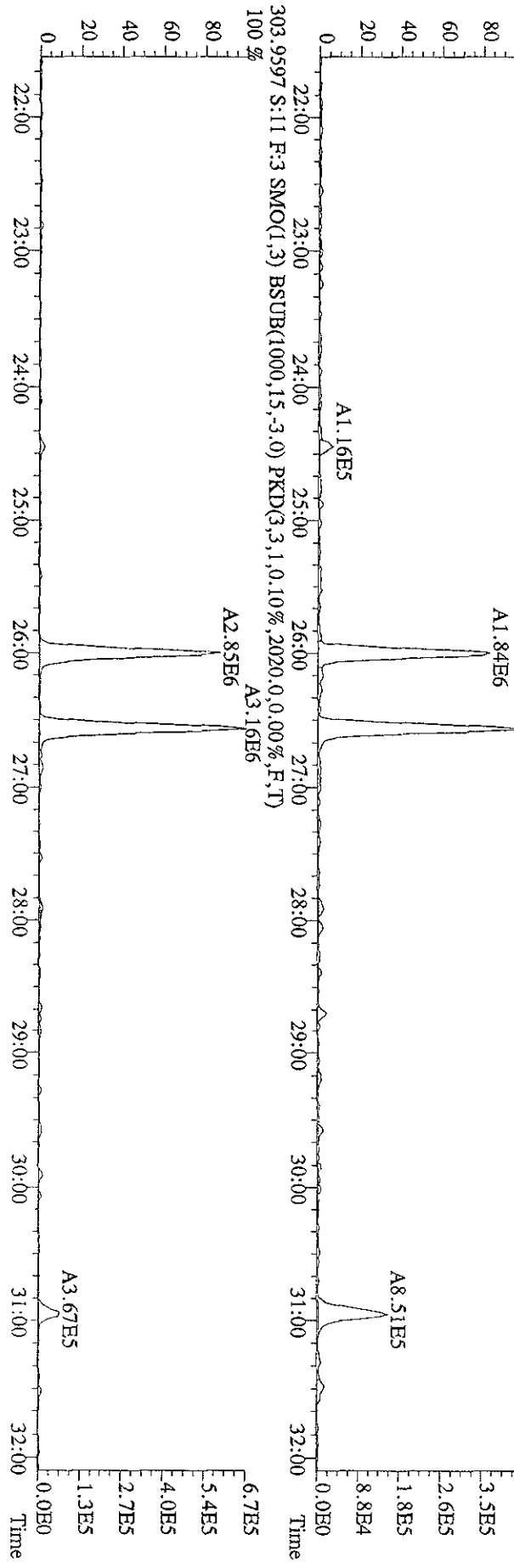
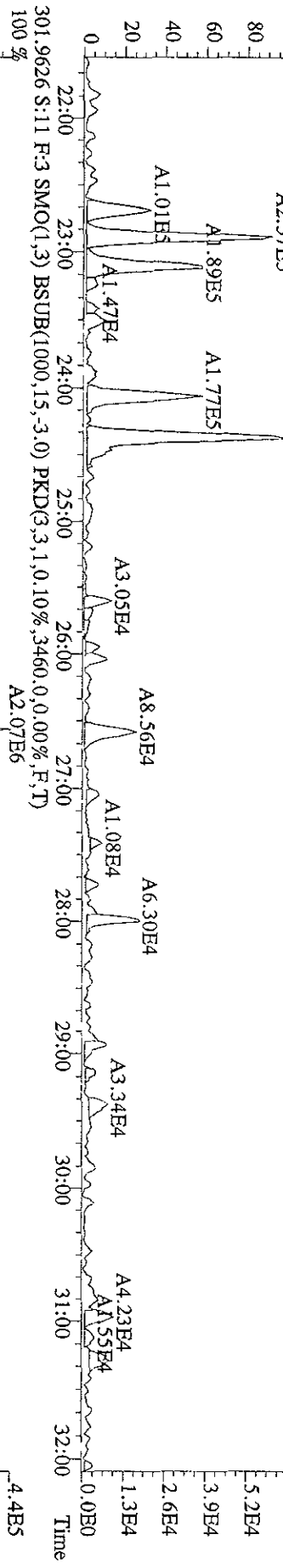
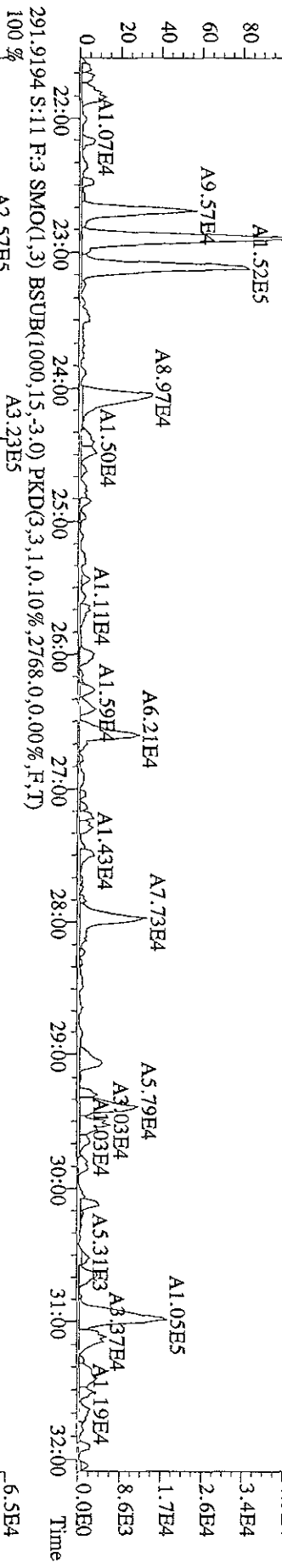
*LRL*

*NM*

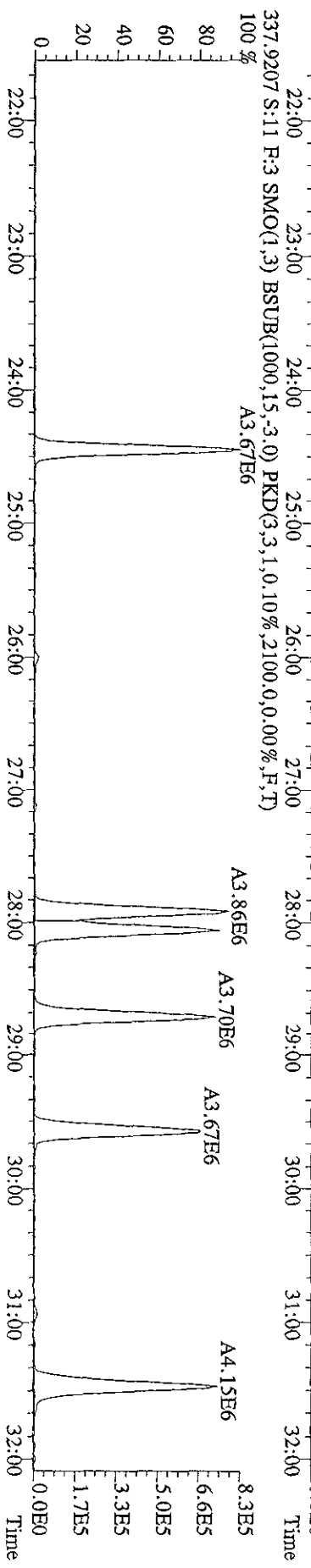
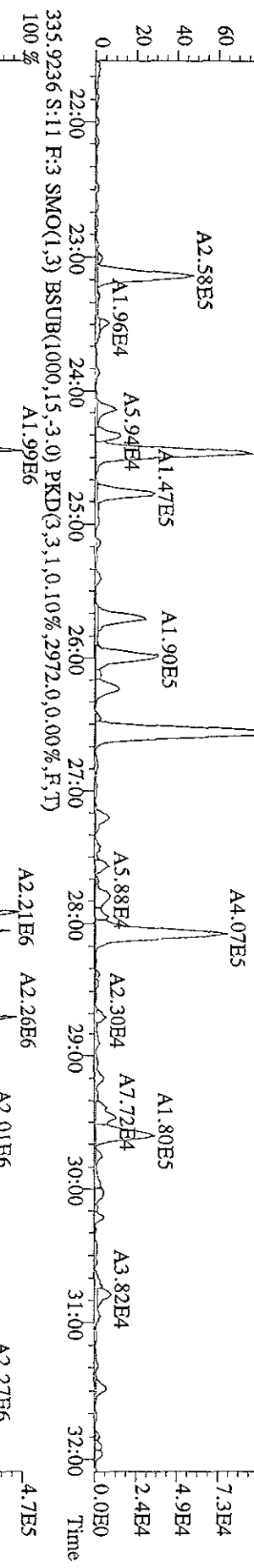
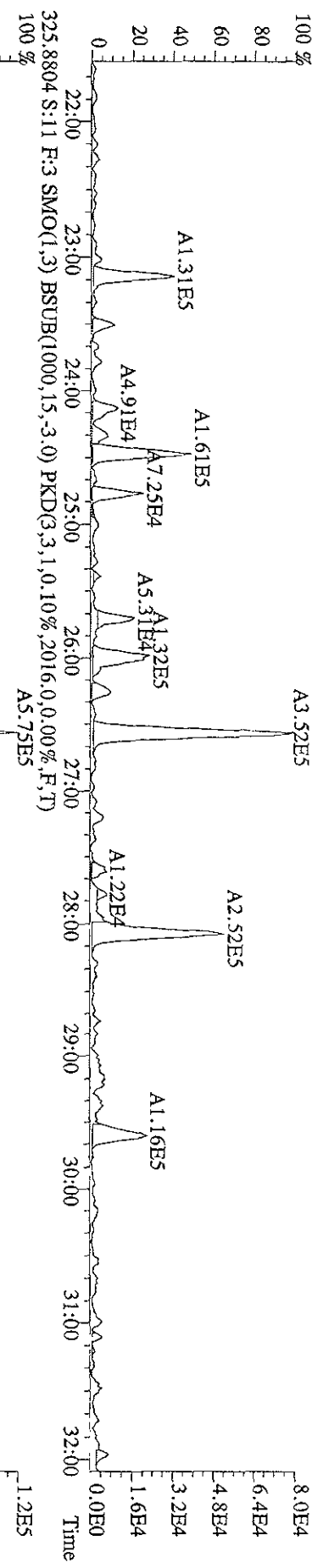
170.4  
-  
172.0  
-  
173.6  
-  
182.4  
-

*SL 7/6/09*

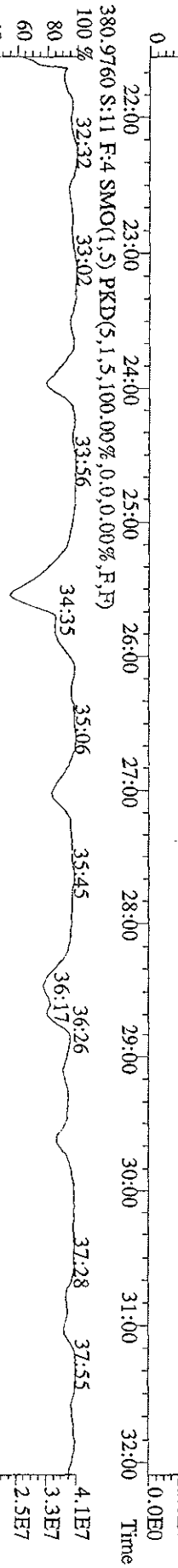
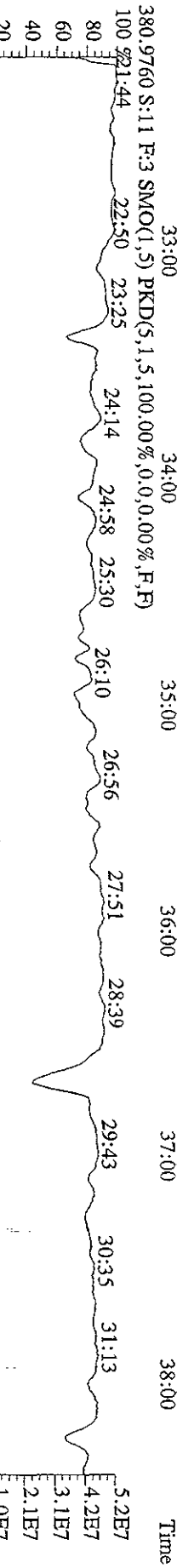
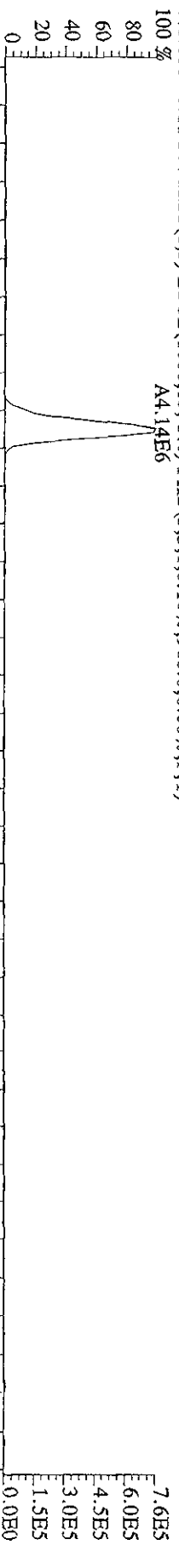
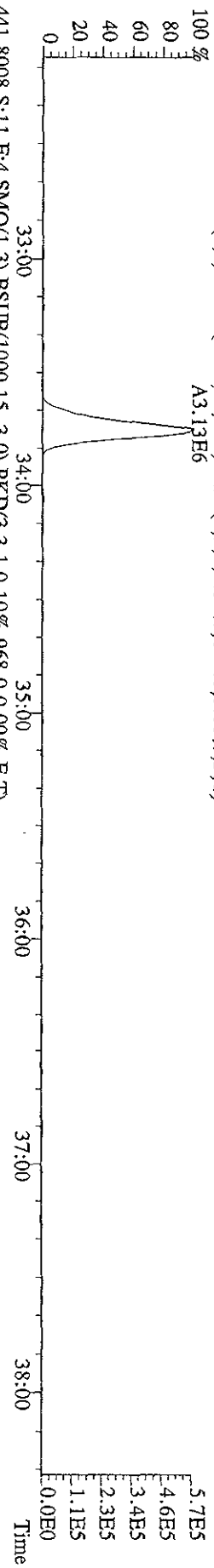
File:04MAY099D5 #1-594 Acq: 4-MAY-2009 21:17:21 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text:K9LEQ-1-AC :G9D030340-2 (10X) Exp:209DB5  
 289.9224 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,364.0,0.00%,F,T)  
 100% A1.86E5 A1.86E5



File: 04MAY099D5 #1-594 Acq: 4-MAY-2009 21:17:21 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text:K9LEQ-1-AC :G9D030340-2 (10X) Exp:209DB5  
 323.8804 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2208,0,0,00%,F,T) A3.52E5

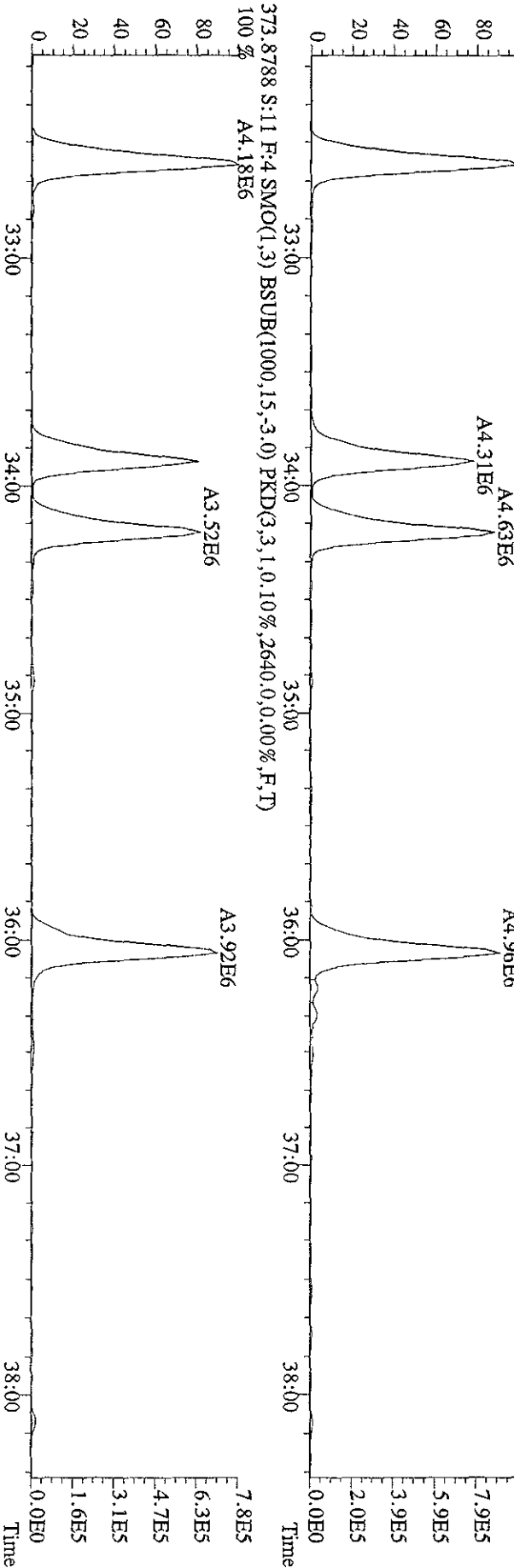
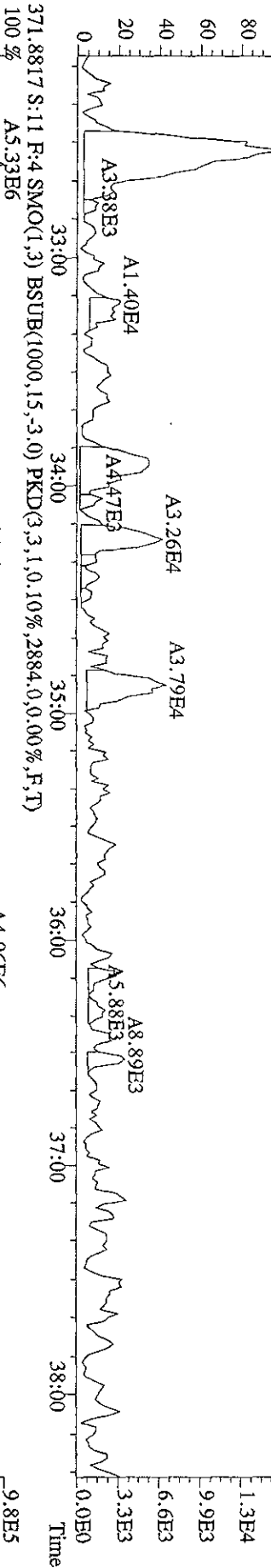
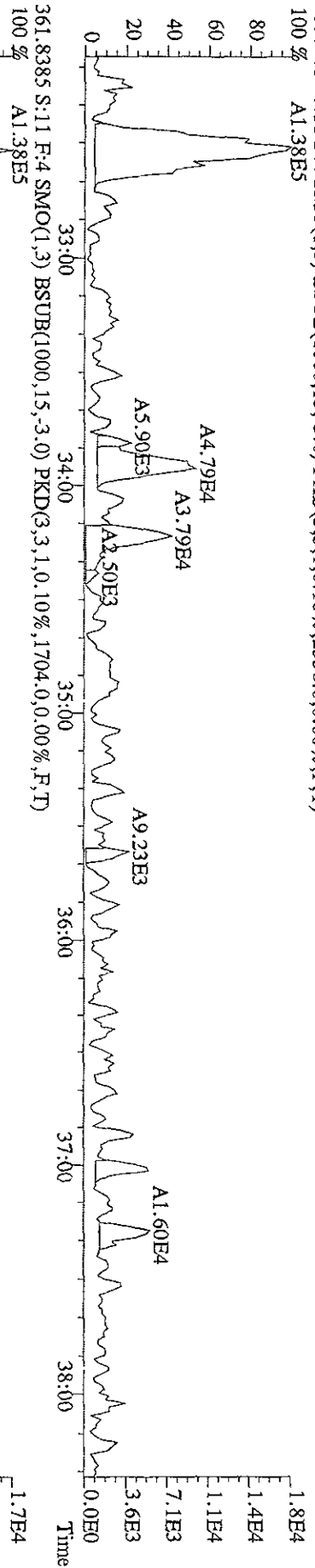


File:04MTY099D5 #1-381 Acq: 4-MAY-2009 21:17:21 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text:K9LEQ-1-AC :G9D030340-2 (10X) Exp:209DB5  
 439,8038 S:11 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,656,0,0.00%,F,T)  
 A3.13E6

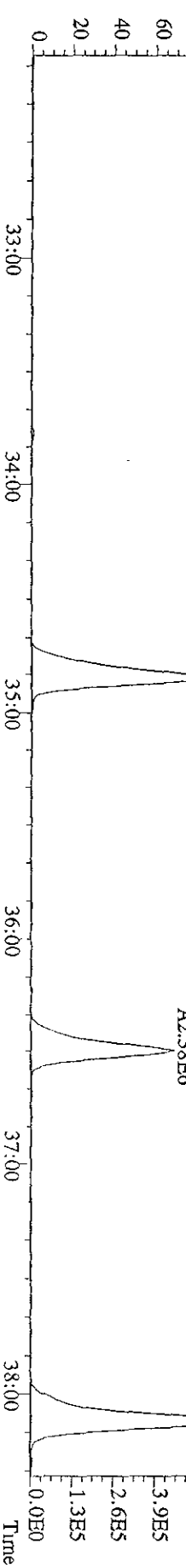
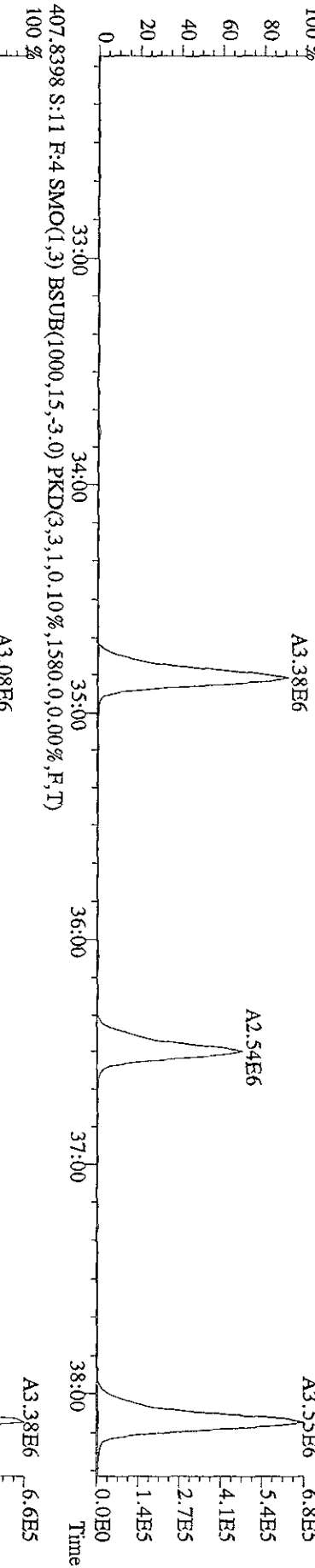
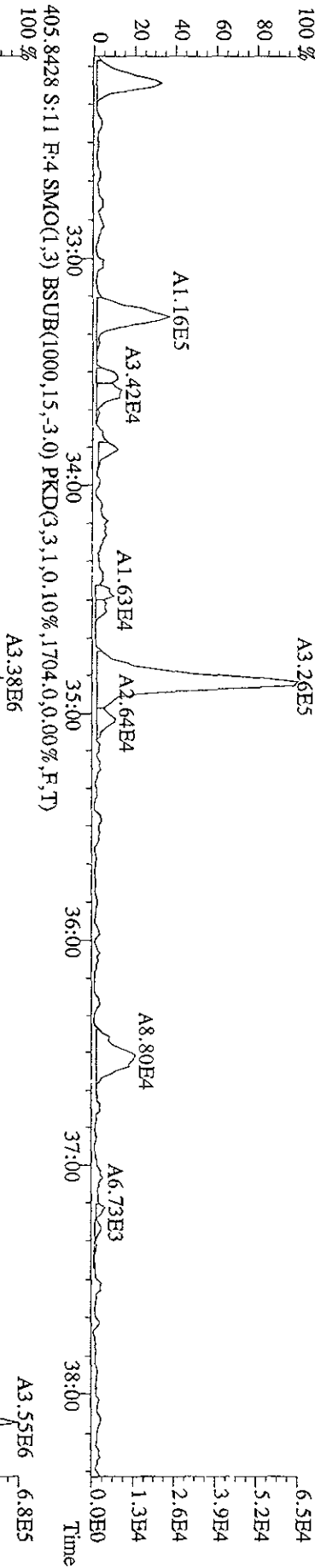
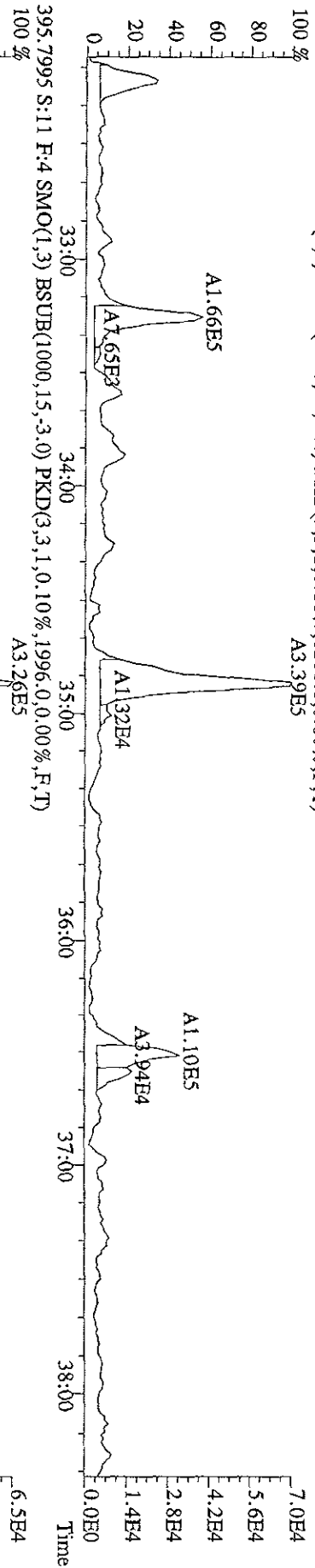




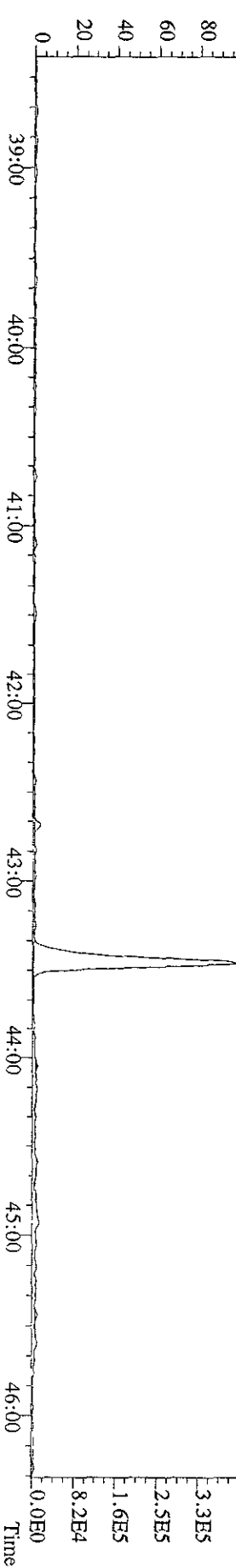
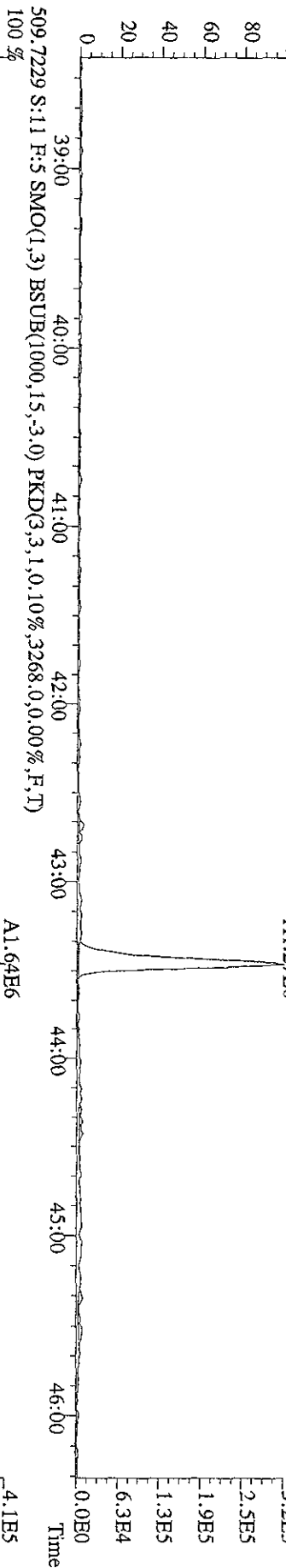
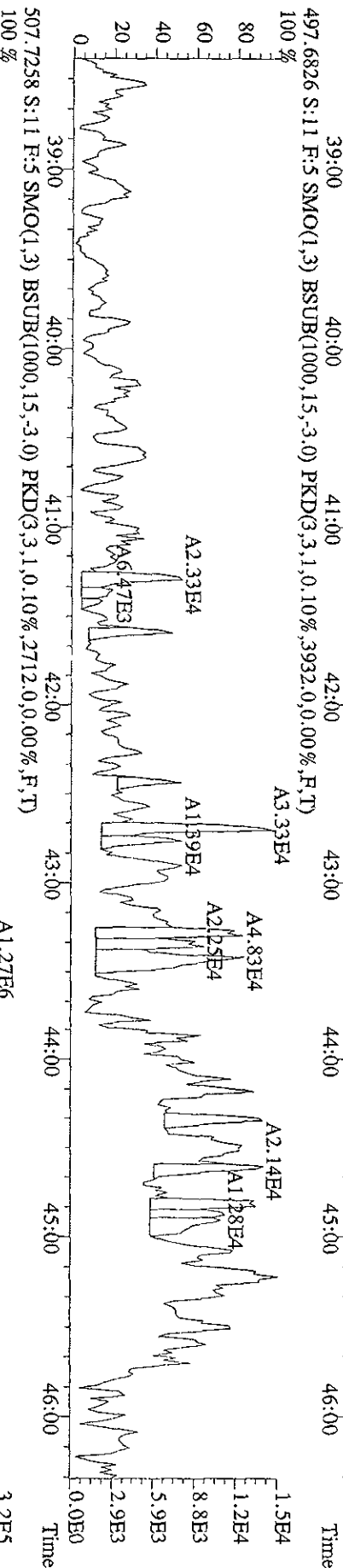
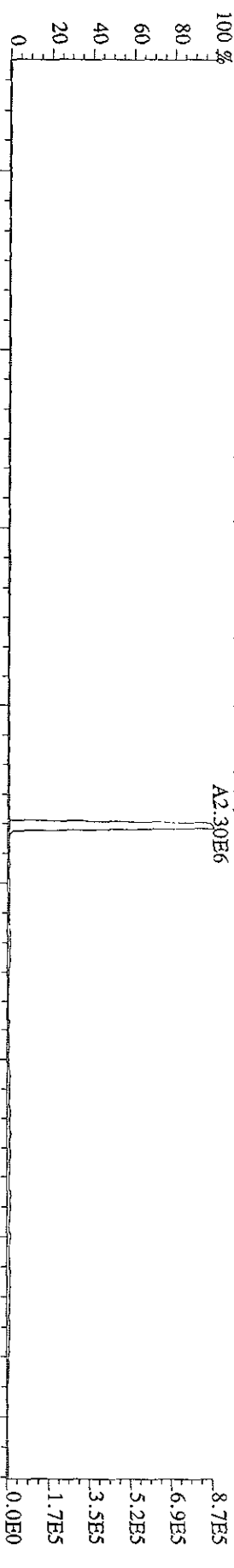
File:04MAY099D5 #1-381 Acq: 4-MAY-2009 21:17:21 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text:K9LBO-1-AC :G9D030340-2 (10X) Exp:209DB5  
 359.8415 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2336,0,0.00%,F,T)



File:04MY099D5 #1-381 Acq: 4-MAY-2009 21:17:21 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#11 Text:K9LBEQ-1-AC :G9D030340-2 (10X) Exp:209DB5  
 393.8025 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,6260,0.0,0.00%,F,T) A3.39E5



File:04MAY09D5 #1-529 Acq: 4-MAY-2009 21:17:21 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text:K9LHQ-1-AC :G9D030340-2 (10X) Exp:209DB5  
 497.6826 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3932.0,0.00%,F,T)  
 100%



Run text: K9LER-1-AC Sample text: K9LER-1-AC :G9D030340-3 (10X)  
 Run #11 Filename: 04MY099D5 S: 12 I: 1 Results: 04my099d51668msldec  
 Acquired: 4-MAY-09 22:08:45 Processed: 4-MAY-09 23:05:38  
 Run: 04MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.43 g

*EV50 / RL-50*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	6254470	0.58 y	24:25	-	0.25	-	-	n
13C-TCB-81	4304019	0.61 <i>n</i>	25:59	0.95	139.30	2.78	72.6	n
TCB-81	244426	0.59 n	26:00	1.28	8.52	2.22	-	n
13C-TCB-77	5064910	0.77 y	26:33	0.98	158.07	2.68	82.4	n
TCB-77	1872228	0.70 y	26:34	1.10	64.24 <i>ND/G</i>	2.21	-	n
13C-PeCB-123	5695890	0.62 <i>y</i>	27:55	0.87	200.39	2.20	104.5	n
PeCB-123	453135	0.72 n	27:57	1.51	10.11 <i>LM</i>	1.95	-	y
13C-PeCB-118	6289860	0.60 <i>y</i>	28:03	0.98	195.87	1.95	102.1	n
PeCB-118/106	7213090	0.51 <i>n</i>	28:04	1.53	143.91 <i>LM</i>	1.87	-	y
13C-PeCB-114	6178630	0.56 y	28:41	0.97	196.03	1.98	102.2	n
PeCB-114	253171	0.64 y	28:43	1.59	4.96 <i>LM</i>	1.77	-	n
13C-PeCB-105	5823620	0.62 y	29:34	0.90	198.99	2.13	103.8	n
PeCB-105/127	4371660	0.55 y	29:35	1.42	101.21 <i>LM</i>	2.23	-	n
13C-PeCB-126	6645800	0.61 y	31:28	0.91	223.53	2.10	116.6	n
PeCB-126	314134	0.80 n	31:28	1.17	7.73 <i>LM</i>	2.45	-	n
13C-OcCB-202	6969030	0.85 y	33:44	-	0.26	-	-	n
13C-HxCB-167	8791710	1.28 <i>y</i>	32:35	0.84	287.45 <i>LM</i>	1.91	149.9	n
HxCB-167	1863865	1.36 y	32:31	1.17	34.78	1.05	-	n
13C-HxCB-156	7304050	1.30 y	33:53	0.67	299.86	2.40	156.4	n
HxCB-156	1058959	1.26 y	33:54	1.45	19.14	1.04	-	n
13C-HxCB-157	7360360	1.36 y	34:12	0.71	286.52	2.28	149.4	n
HxCB-157	283022	1.29 y	34:12	1.45	5.10	1.01	-	n
13C-HxCB-169	7916340	1.36 y	36:03	0.73	296.96	2.20	154.9	n
HxCB-169	*	* n	NotFnd	0.99	*	1.40	-	n
13C-HpCB-180	5897450	1.01 y	34:50	0.58	277.56 <i>LM</i>	1.91	144.7	n
HpCB-180	10964830	1.15 y	34:52	1.27	281.79	5.87	-	n
13C-HpCB-170	4875840	1.04 y	36:29	0.47	282.79	2.35	147.5	n
HpCB-170/190	4797100	1.14 y	36:31	1.61	117.44	5.59	-	n
13C-HpCB-189	6715010	1.04 y	38:07	0.60	308.70	1.86	161.0	n
HpCB-189	*	* n	NotFnd	1.21	*	5.13	-	n
13C-DeCB-209	2364760	0.73 y	43:27	0.46	141.40	5.28	73.7	n
DECB-209	*	* n	NotFnd	1.50	*	5.21	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	1.71	*	n

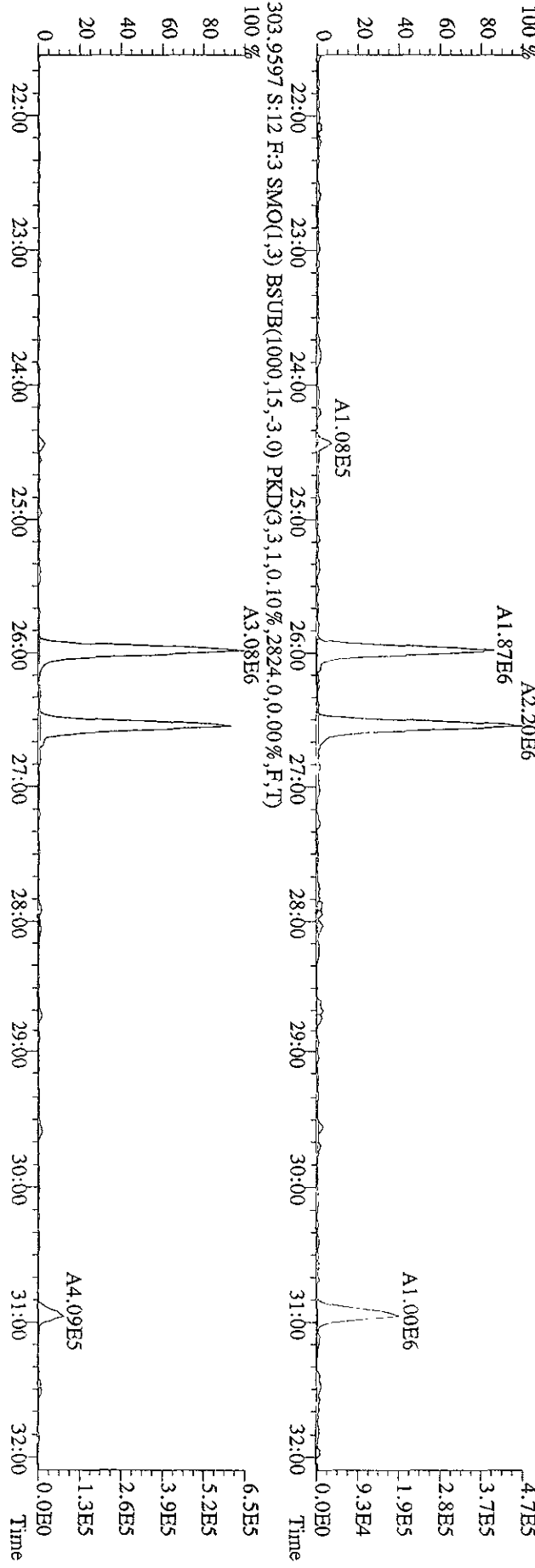
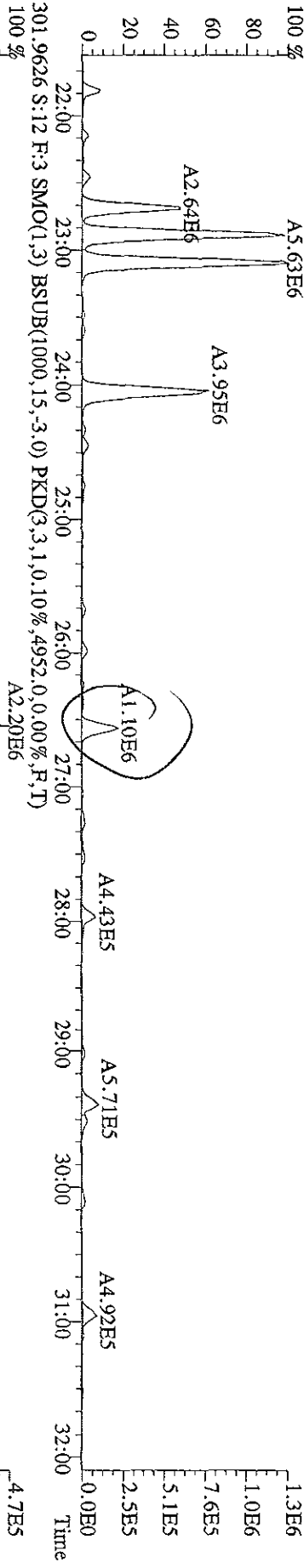
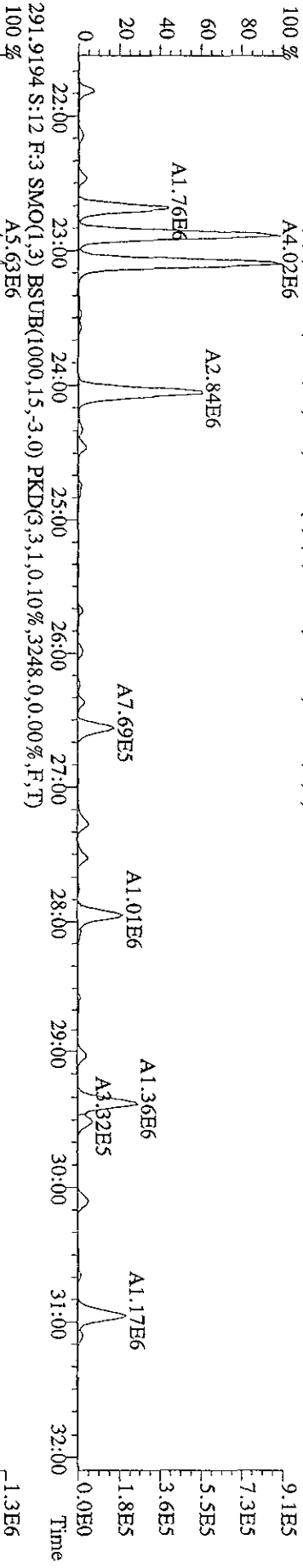
*SL 576/59*

Run text: K9LER-1-AC Sample text: K9LER-1-AC :G9D030340-3 (10X)  
 Run #11 Filename: 04MY099D5 S: 12 I: 1 Results: 04MY099D51668MSLDEC  
 Acquired: 4-MAY-09 22:08:45 Processed: 4-MAY-09 23:05:38  
 Run: 04MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.43007g

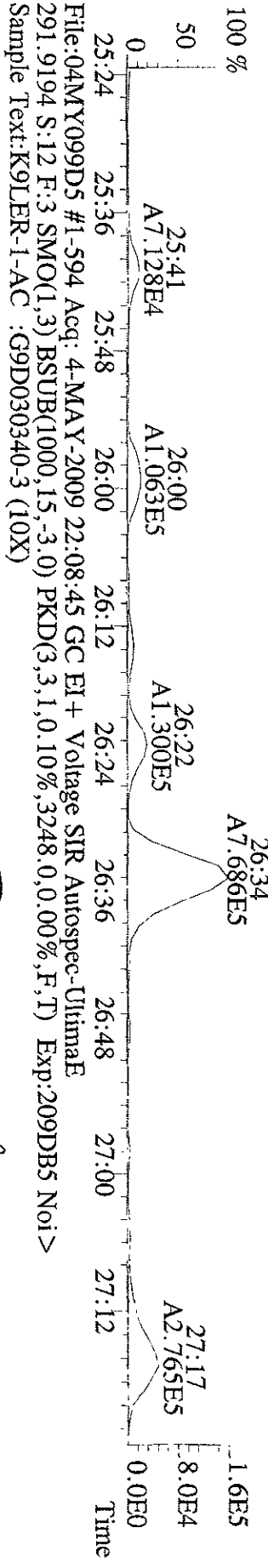
*EW-50*  
*PL-50*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	6254468	0.58 y	24:25	-	0.25	-	-	n
13C-TCB-81	4304017	0.61 <b>(n)</b>	25:59	0.95	139.30	2.78	72.6	n
TCB-81	244426	0.59 n	25:60	1.28	8.52	2.22	-	n
13C-TCB-77	5064909	0.77 y	26:33	0.98	158.07	2.68	82.4	n
TCB-77	1872228	0.70 y	26:34	1.10	64.24 <i>ND/S</i>	2.21	-	n
13C-PeCB-123	5695892	0.62 y	27:55	0.87	200.39	2.20	104.5	n
PeCB-123	*	* n	NotFnd	1.51	*	1.95	-	n
13C-PeCB-118	6289858	0.60 y	28:03	0.98	195.87	1.95	102.1	n
PeCB-118/106	8618324	0.52 y	28:04	1.53	171.95	1.87	-	n
13C-PeCB-114	6178631	0.56 y	28:41	0.97	196.03	1.98	102.2	n
PeCB-114	253171	0.64 y	28:43	1.59	4.96 <i>lit</i>	1.77	-	n
13C-PeCB-105	5823611	0.62 y	29:34	0.90	198.99	2.13	103.8	n
PeCB-105/127	4371656	0.55 y	29:35	1.42	101.21	2.23	-	n
13C-PeCB-126	6645807	0.61 y	31:28	0.91	223.53	2.10	116.6	n
PeCB-126	314134	0.80 n	31:28	1.17	7.73 <i>lit</i>	2.45	-	n
13C-OcCB-202	6969033	0.85 y	33:44	-	0.26	-	-	n
13C-HxCB-167	8791706	1.28 y	32:35	0.84	287.45	1.91	149.9	n
HxCB-167	1863870	1.36 y	32:31	1.17	34.78 <i>lit</i>	1.05	-	n
13C-HxCB-156	7304048	1.30 y	33:53	0.67	299.86	2.40	156.4	n
HxCB-156	1058959	1.26 y	33:54	1.45	19.14	1.04	-	n
13C-HxCB-157	7360353	1.36 y	34:12	0.71	286.52	2.28	149.4	n
HxCB-157	283022	1.29 y	34:12	1.45	5.10	1.01	-	n
13C-HxCB-169	7916339	1.36 y	36:03	0.73	296.96	2.20	154.9	n
HxCB-169	*	* n	NotFnd	0.99	*	1.40	-	n
13C-HpCB-180	5897454	1.01 y	34:50	0.58	277.56	1.91	144.7	n
HpCB-180	10964826	1.15 y	34:52	1.27	281.79 <i>lit</i>	5.87	-	n
13C-HpCB-170	4875841	1.04 y	36:29	0.47	282.79	2.35	147.5	n
HpCB-170/190	4797096	1.14 y	36:31	1.61	117.44	5.59	-	n
13C-HpCB-189	6715017	1.04 y	38:07	0.60	308.70	1.86	161.0	n
HpCB-189	*	* n	NotFnd	1.21	*	5.13	-	n
13C-DeCB-209	2364757	0.73 y	43:27	0.46	141.40	5.28	73.7	n
DECB-209	*	* n	NotFnd	1.50	*	5.21	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	1.71	*	n

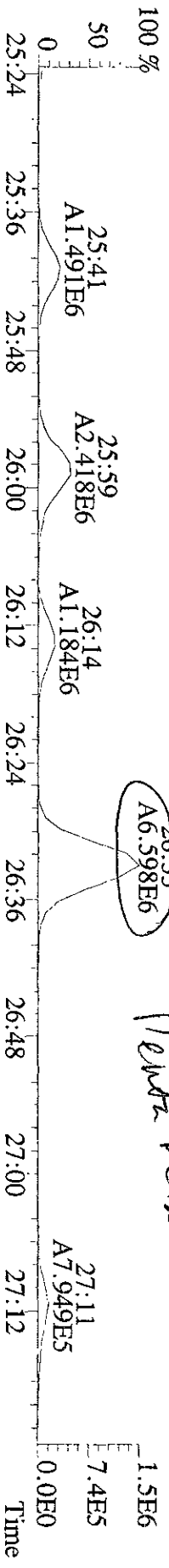
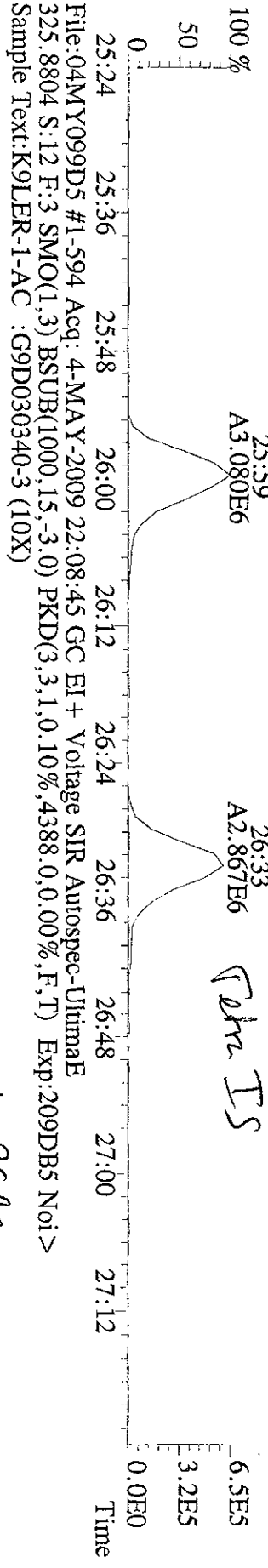
File:04MAY099D5 #1-594 Acq: 4-MAY-2009 22:08:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text:K9LIER-1-AC :G9D030340-3 (10X) Exp:209DB5  
 289.9224 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2160,0,0,00%,F,T)  
 100 %



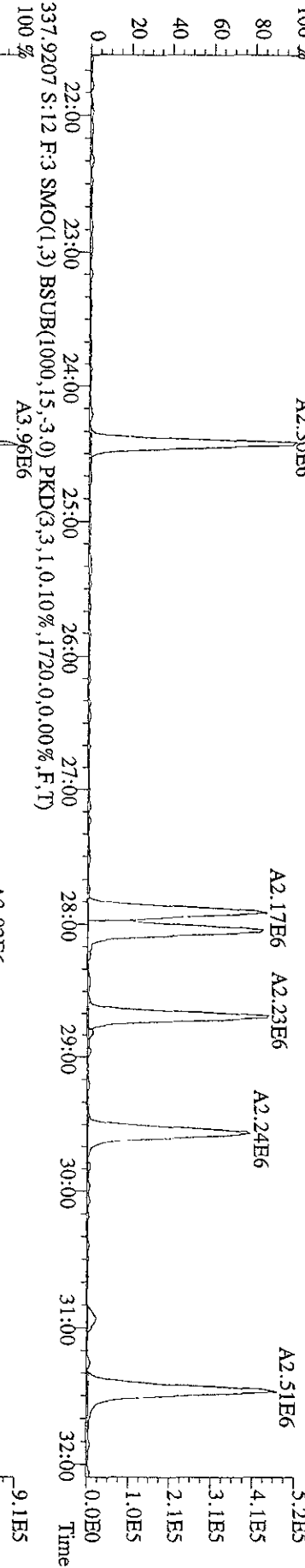
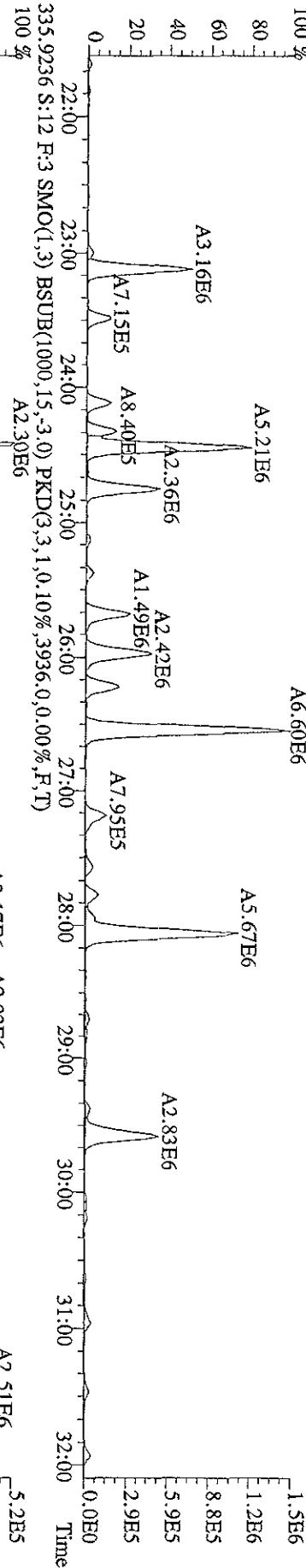
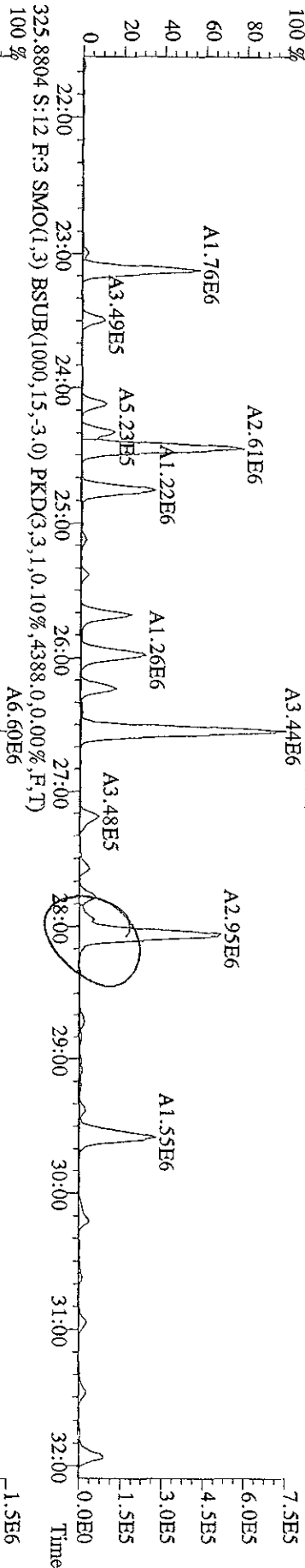
File:04MYY099D5 #1-594 Acq: 4-MAY-2009 22:08:45 GC EI + Voltage SIR Autospec-Ultimate  
 289.9224 S:12 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2160,0,0.00%,F,T) Exp:209DB5 Noi>  
 Sample Text:K9LER-1-AC :G9D030340-3 (10X)



File:04MYY099D5 #1-594 Acq: 4-MAY-2009 22:08:45 GC EI + Voltage SIR Autospec-Ultimate  
 303.9597 S:12 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2824,0,0.00%,F,T) Exp:209DB5 Noi>  
 Sample Text:K9LER-1-AC :G9D030340-3 (10X)

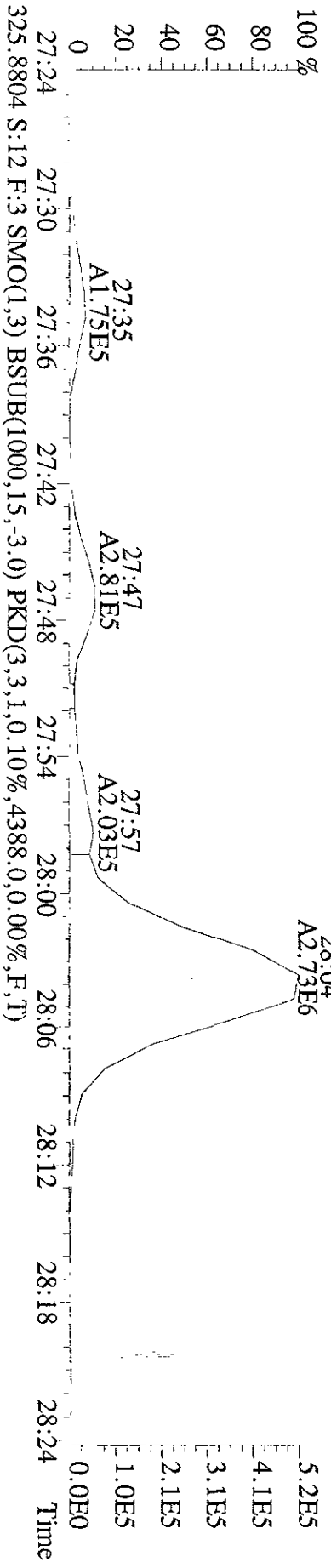


File:04MAY099D5 #1-594 Acq: 4-MAY-2009 22:08:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text:K9LER-1-AC :G9D030340-3 (10X) Exp:209DB5  
 323.8834 S:12 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2756,0,0,00%,F,T)  
 100 %





File:04MY099D5 #1-594 Acq: 4-MAY-2009 22:08:45 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#12 Text:K9LER-1-AC :G9D030340-3 Exp:209DB5  
 323.8834 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2756.0,0.00%,F,T)

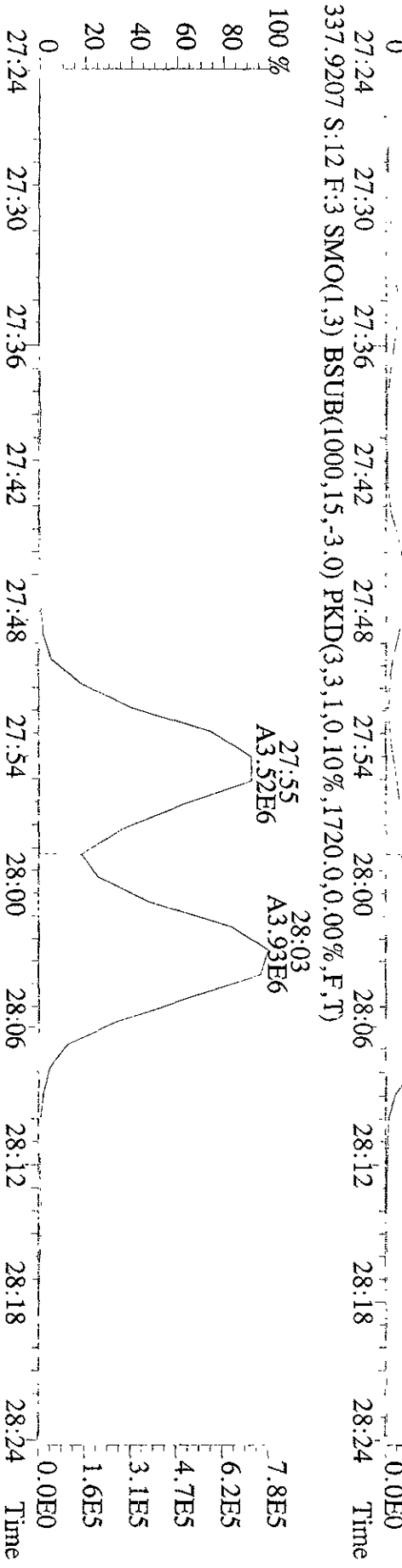


Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

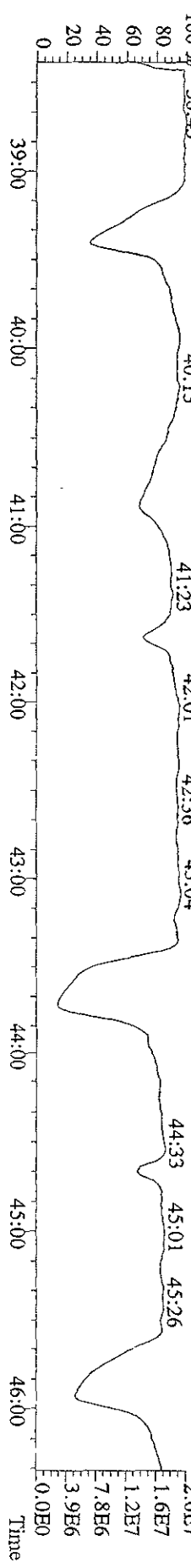
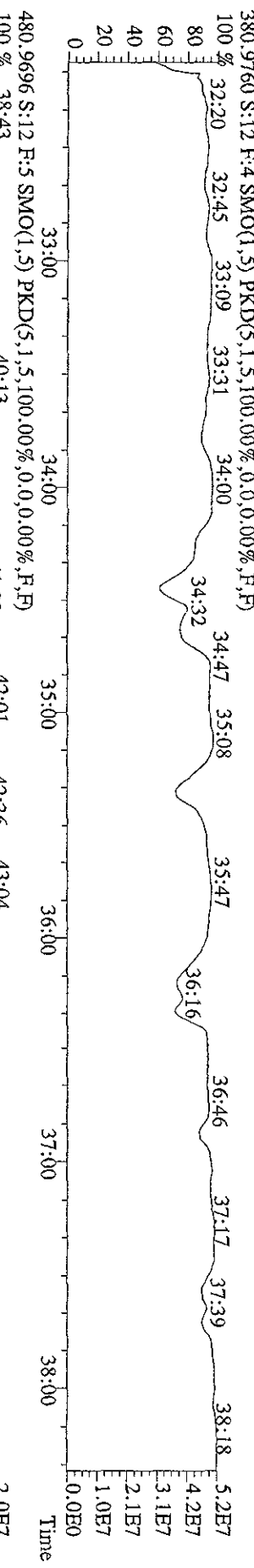
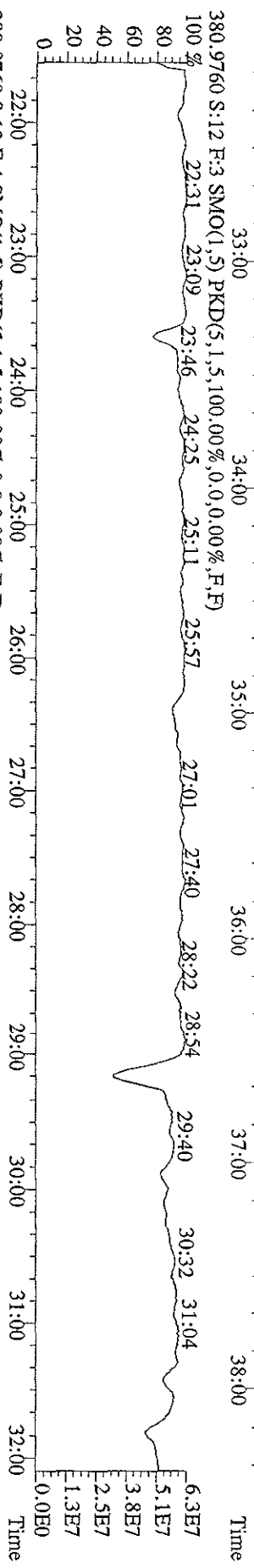
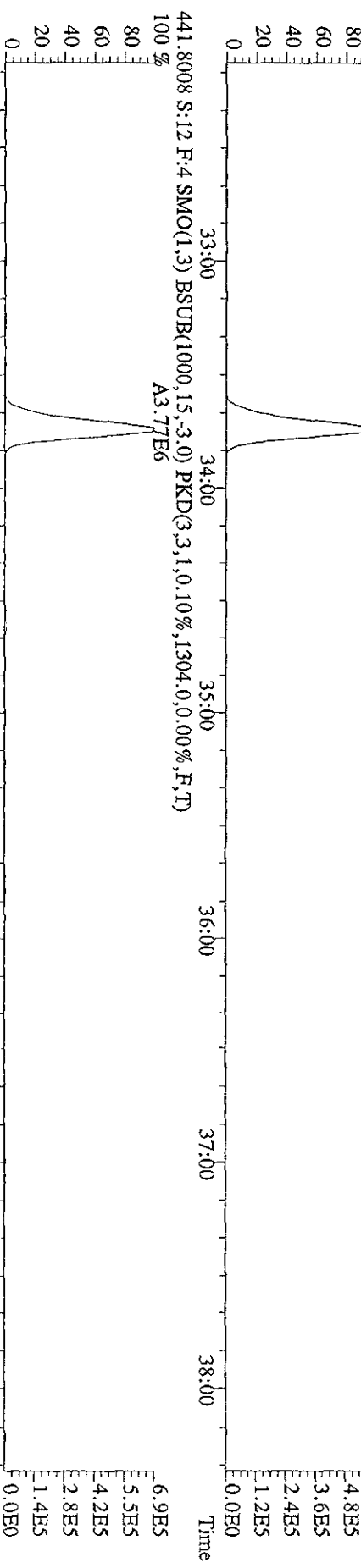
Analyst SK Date 27:47  
A4.57E5

96105

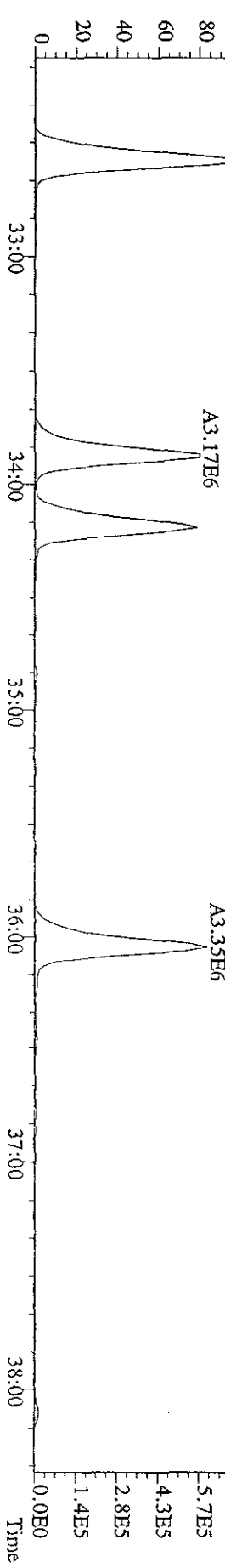
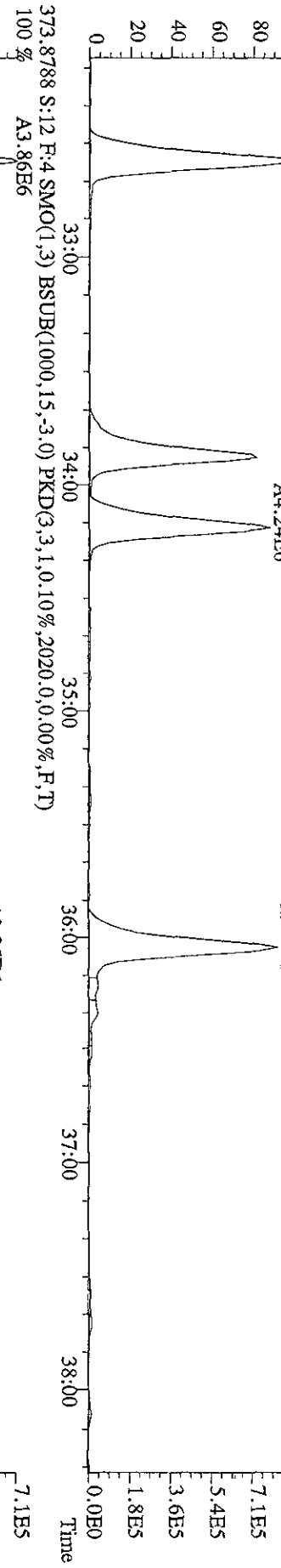
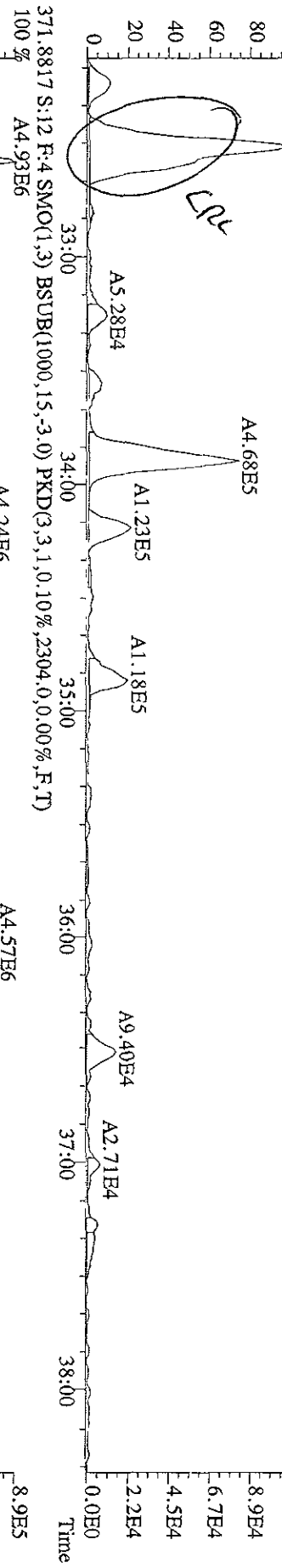
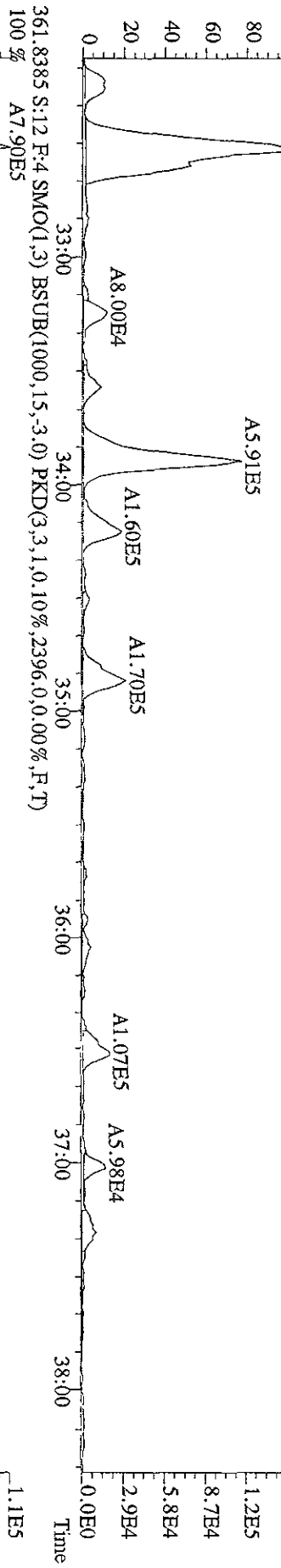


337.9207 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1720.0,0.00%,F,T)

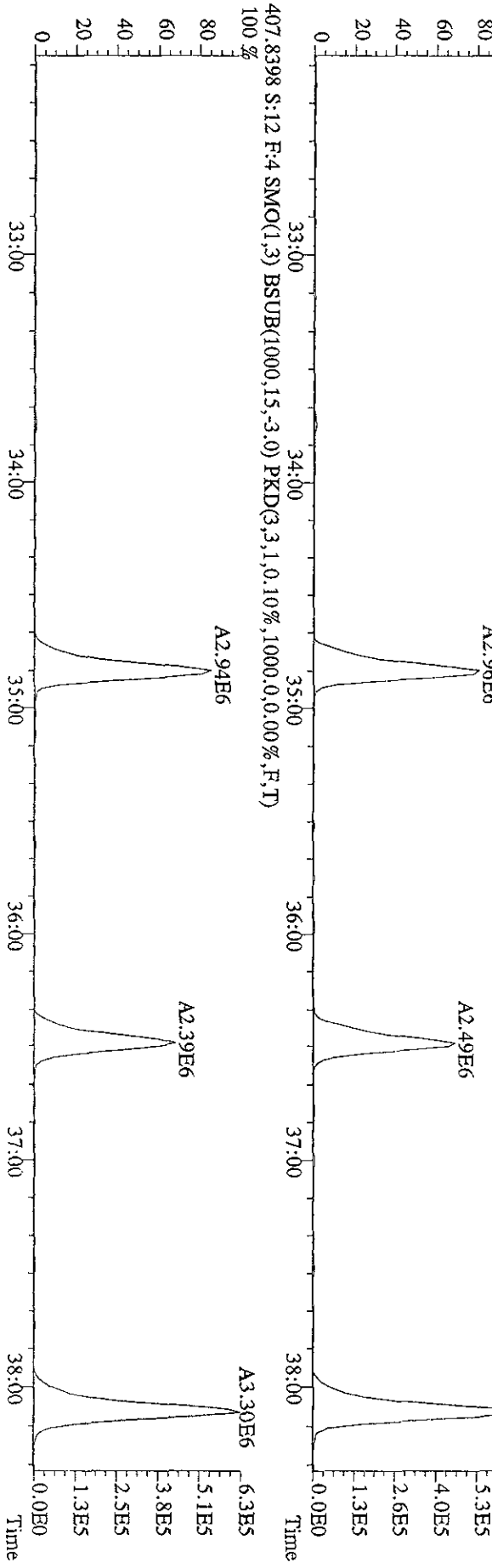
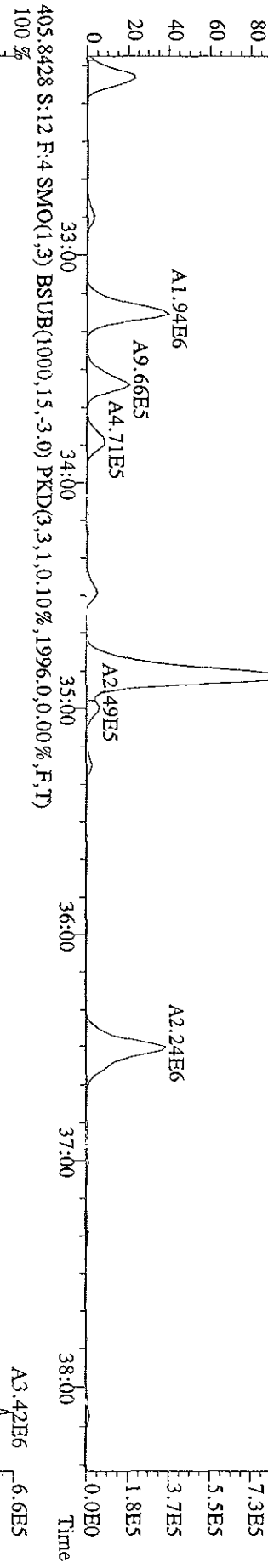
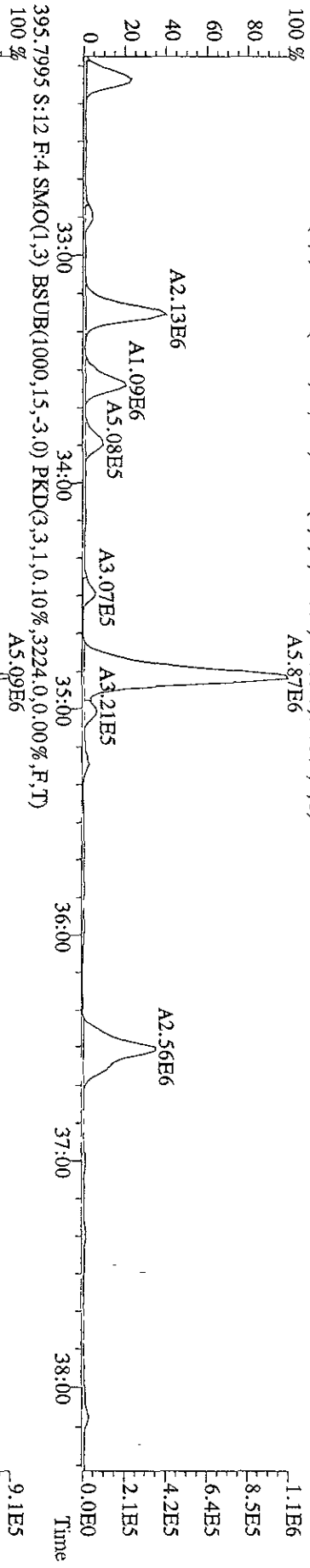
File:04MY099D5 #1-381 Acq: 4-MAY-2009 22:08:45 GC EI+ Voltage 5TR Autospec-Ultimate  
Sample#12 Text:K9LBR-1-AC :G9D030340-3 (10X) Exp:209DB5  
439.8038 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.0,0.00%,F,T)  
100% A3.20E6



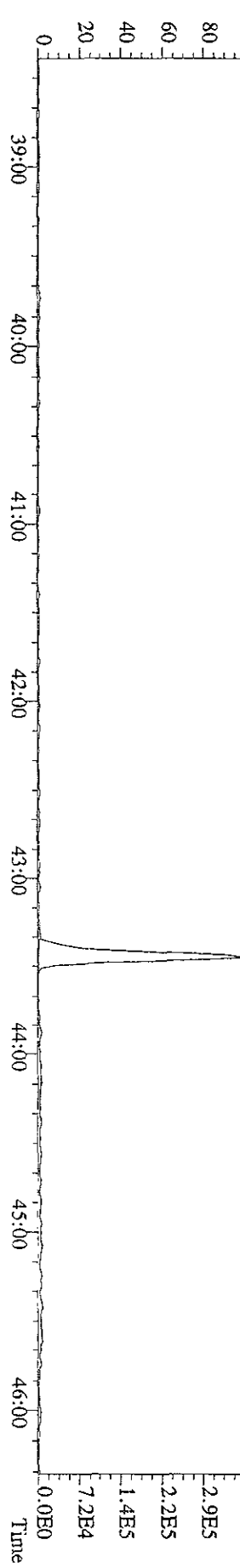
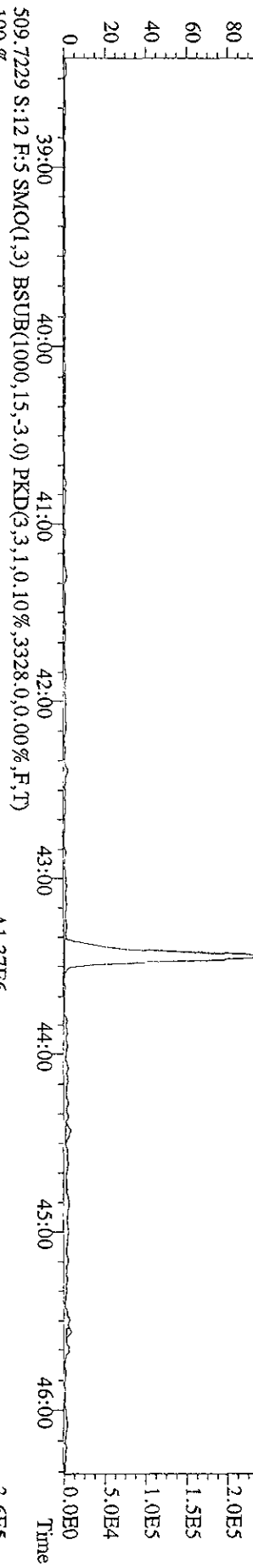
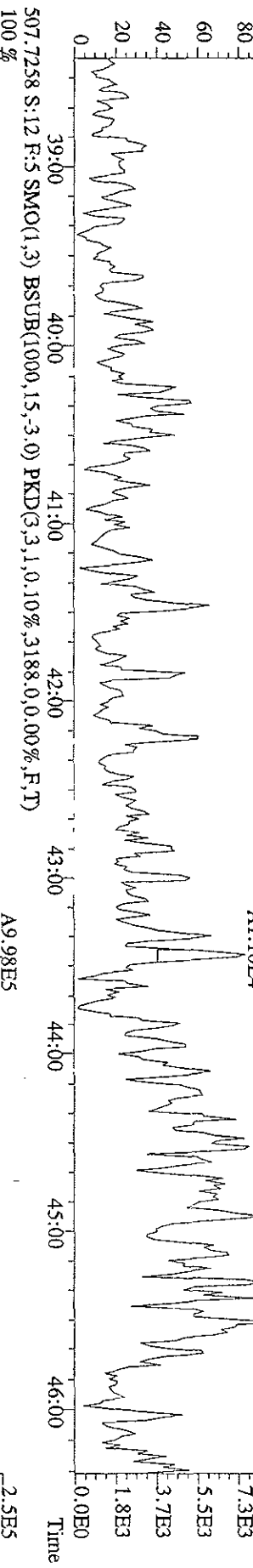
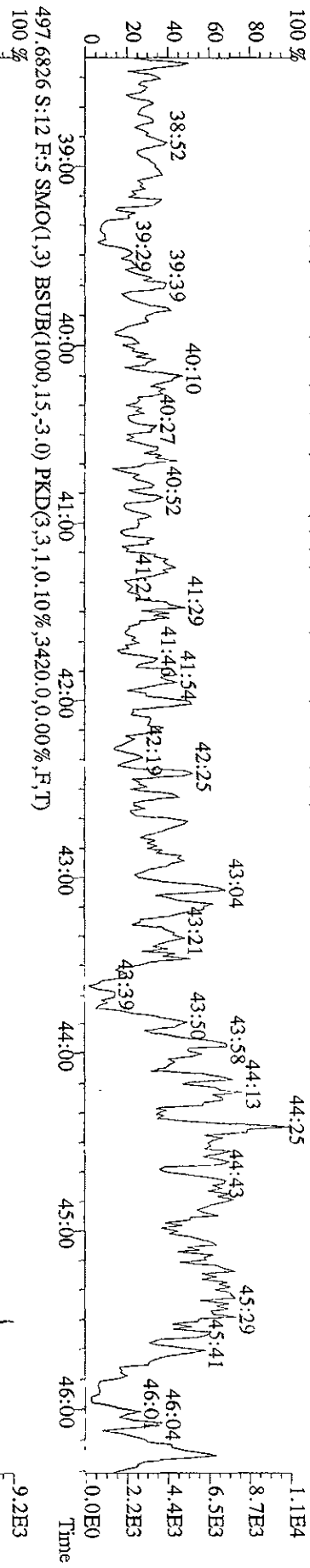
File:04MY099D5 #1-381 Acq: 4-MAY-2009 22:08:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text:K9LER-1-AC :G9D030340-3 (10X) Exp:209DB5  
 359.8415 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1692,0,0,00%,F,T)  
 100% A1.07E6



File:04MYY099D5 #1-381 Acq: 4-MAY-2009 22:08:45 GC: EI+ Voltage: SIR Autospec-Ultimate  
 Sample#12 Text:K9LER-1-AC :G9D030340-3 (10X) Exp:209DB5  
 395.7995 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3224,0,0,00%,F,T)  
 405.8428 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1996,0,0,00%,F,T)  
 407.8398 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1000,0,0,00%,F,T)



File:04MY099D5 #1-529 Acq: 4-MAY-2009 22:08:45 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#12 Text:K9LER-1-AC :G9D030340-3 (10X) Exp:209DB5  
 495.6856 S:12 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6496,0,0,00%,F,T)



Run text: K9LET-1-AC Sample text: K9LET-1-AC :G9D030340-4 (10X)  
 Run #12 Filename: 04MY099D5 S: 13 I: 1 Results: 04MY099D51668MSLDEC  
 Acquired: 4-MAY-09 23:00:09 Processed: 5-MAY-09 09:36:50  
 Run: 04MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.21007g

*FL=50*  
*RL=50*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	8765920	0.57 y	24:25	-	0.35	-	-	n
13C-TCB-81	7951201	0.69 y	25:59	0.95	187.57	1.95	95.8	n
TCB-81	80116	0.45 n	25:59	1.28	1.54	1.25	-	n
13C-TCB-77	7353352	0.69 y	26:33	0.98	167.26	1.88	85.4	n
TCB-77	438948	0.78 y	26:33	1.10	10.60	1.64	-	n
13C-PeCB-123	8401485	0.60 y	27:54	0.87	215.43	1.37	110.0	n
PeCB-123	*	* n	NotFnd	1.51	*	0.99	-	n
13C-PeCB-118	8625847	0.56 y	28:02	0.98	195.78	1.21	99.9	n
PeCB-118/106	1822245	0.52 n	28:03	1.53	27.08	0.97	-	n
13C-PeCB-114	9229351	0.62 y	28:41	0.97	213.43	1.24	109.0	n
PeCB-114	*	* n	NotFnd	1.59	*	0.86	-	n
13C-PeCB-105	8167066	0.64 y	29:34	0.90	203.41	1.33	103.8	n
PeCB-105/127	1050926	0.51 n	29:35	1.42	17.72	1.19	-	n
13C-PeCB-126	8372411	0.55 y	31:28	0.91	205.25	1.31	104.8	n
PeCB-126	68684	1.59 n	31:28	1.17	1.37	1.42	-	n
13C-OcCB-202	9169167	0.82 y	33:44	-	0.35	-	-	n
13C-HxCB-167	12796902	1.25 y	32:35	0.84	324.86	1.61	165.8	n
HxCB-167	563698	1.57 n	32:31	1.17	7.38	0.62	-	n
13C-HxCB-156	10350113	1.31 y	33:53	0.67	329.91	2.02	168.4	n
HxCB-156	252719	1.30 y	33:54	1.45	3.29	0.66	-	n
13C-HxCB-157	10882661	1.32 y	34:11	0.71	328.92	1.92	167.9	n
HxCB-157	59014	2.36 n	34:12	1.45	0.73	0.62	-	n
13C-HxCB-169	12330829	1.34 y	36:03	0.73	359.14	1.85	163.3	n
HxCB-169	*	* n	NotFnd	0.99	*	0.83	-	n
13C-HpCB-180	8551011	1.03 y	34:50	0.58	312.48	1.63	159.5	n
HpCB-180	1962395	1.03 y	34:51	1.27	35.53	3.37	-	n
13C-HpCB-170	6907445	1.09 y	36:29	0.47	311.05	2.01	158.8	n
HpCB-170/190	756305	1.01 y	36:30	1.61	13.35	3.32	-	n
13C-HpCB-189	10061234	1.09 y	38:07	0.60	359.12	1.59	183.3	n
HpCB-189	*	* n	NotFnd	1.21	*	2.91	-	n
13C-DeCB-209	3048821	0.68 y	43:27	0.46	141.55	2.52	72.3	n
DeCB-209	*	* n	NotFnd	1.50	*	3.16	-	n
13C-PeCB-111	19600	1.61 n	25:49	1.36	0.33	1.03	0.2	n

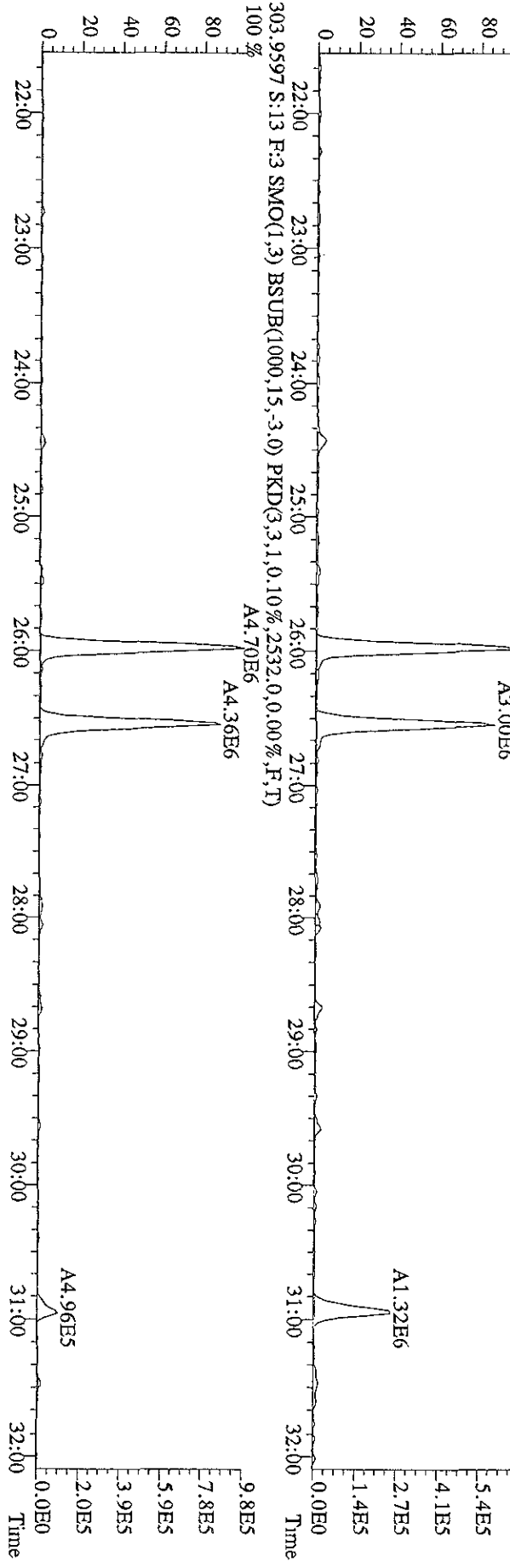
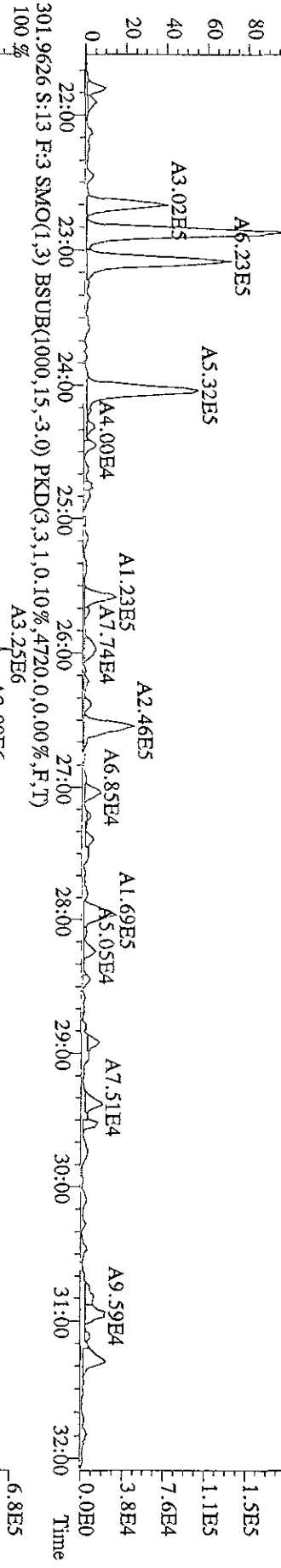
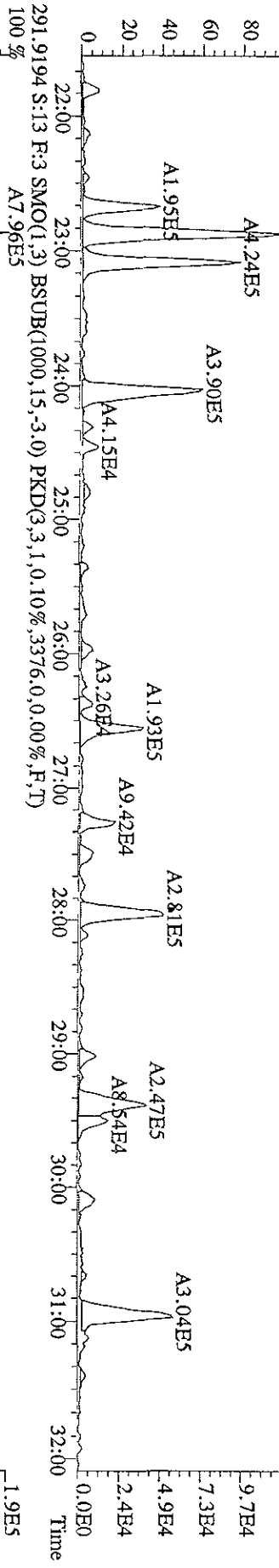
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*NA*

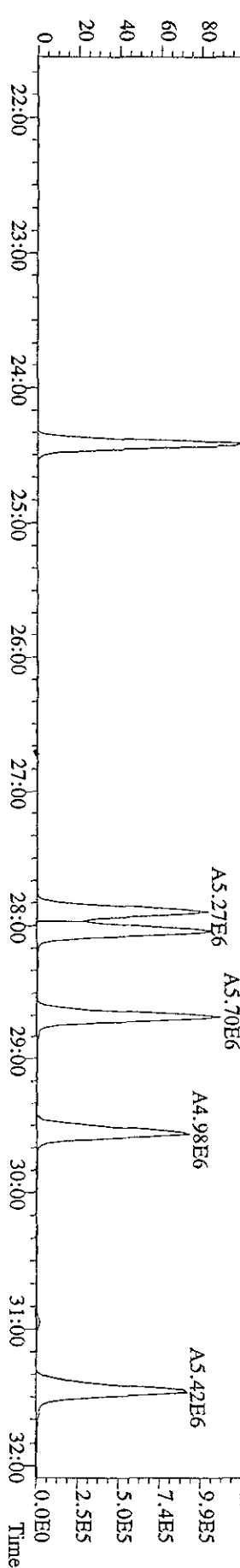
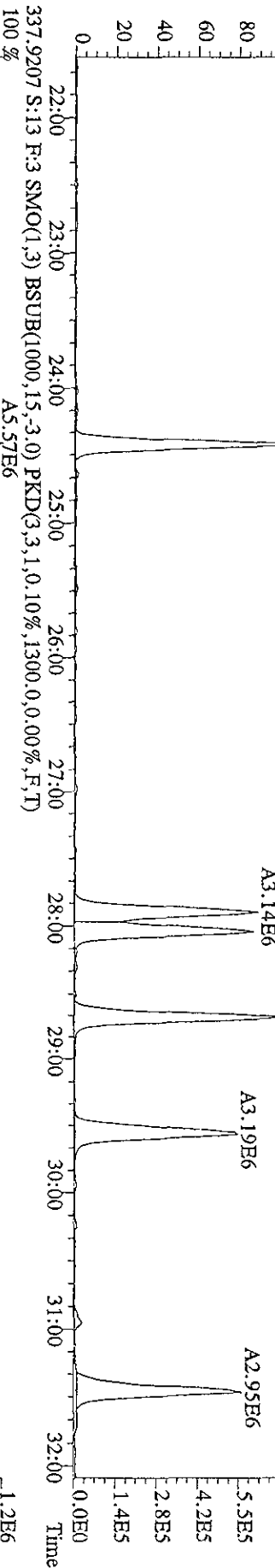
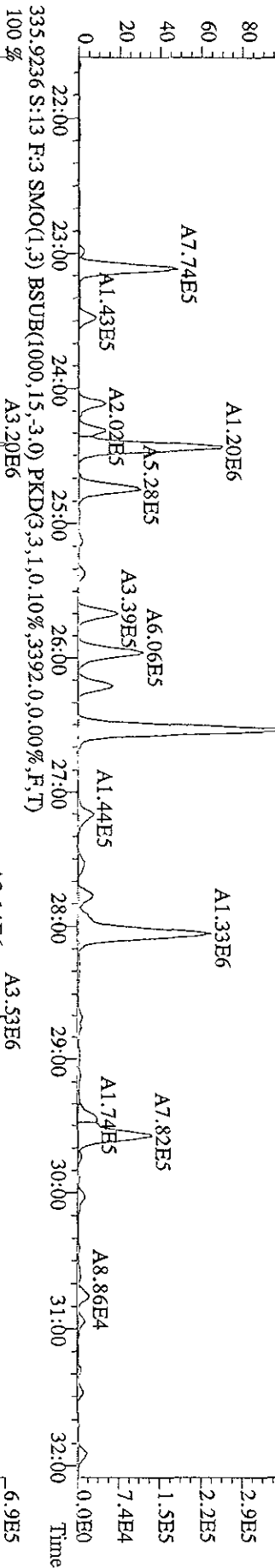
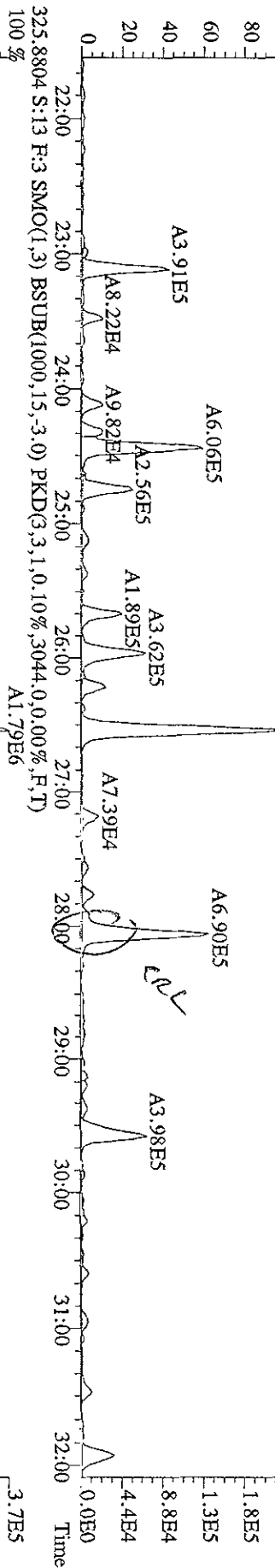
165.8  
168.4  
167.9  
163.3

*Sh 5/6/09*

File:04MY099D5 #1-594 Acq: 4-MAY-2009 23:00:09 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#13 Text:K9LEFT-1-AC :G9D030340-4 (10X) Exp:209DB5  
 289.9224 S:13 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2000,0.0,0.00%,F,T)  
 100% A5.45E5



File:04MAY099D5 #1-594 Acq: 4-MAY-2009 23:00:09 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#13 Text:K9LEET-1-AC :G9D030340-4 (10X) Exp:209DB5  
 323.8834 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1996,0,0.00%,F,T)  
 100 % A1.01E6



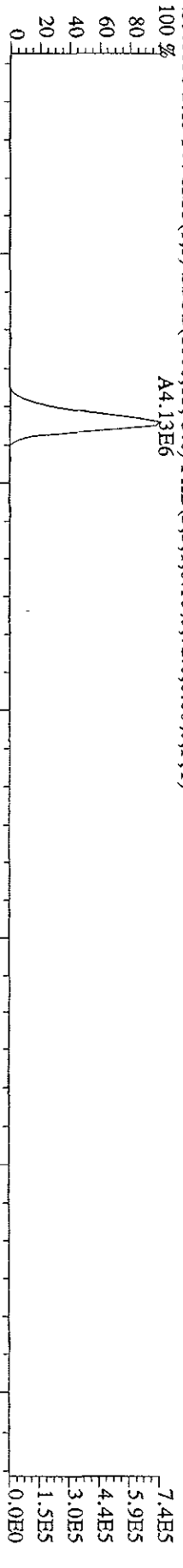


File:04MY099D5 #1-381 Acq: 4-MAY-2009 23:00:09 GC EI+ Voltage SFR Autospec-UtimaE

Sample#13 Text:K9LEF-1-AC :G9D030340-4 (10X) Exp:209DB5

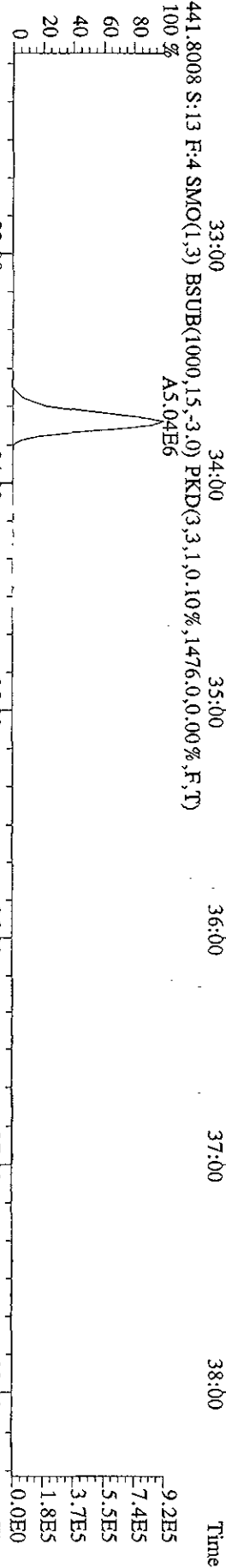
439.8038 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,72.0,0.00%,F,T)

100% A4.13E6



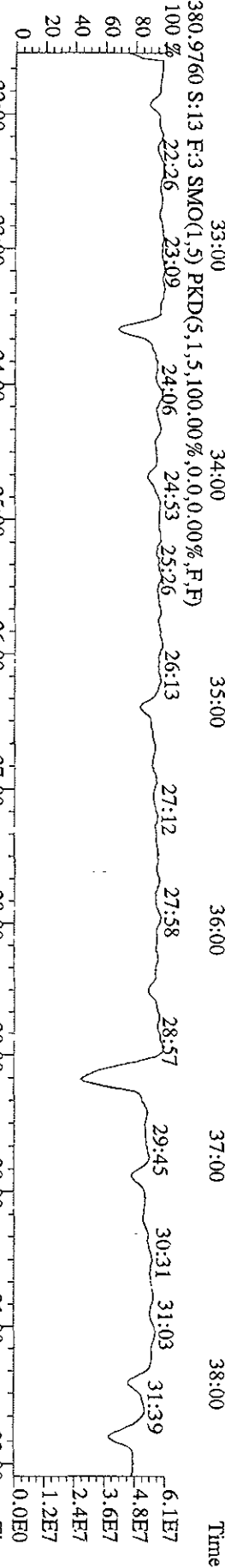
441.8008 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1476,0.00%,F,T)

100% A5.04E6



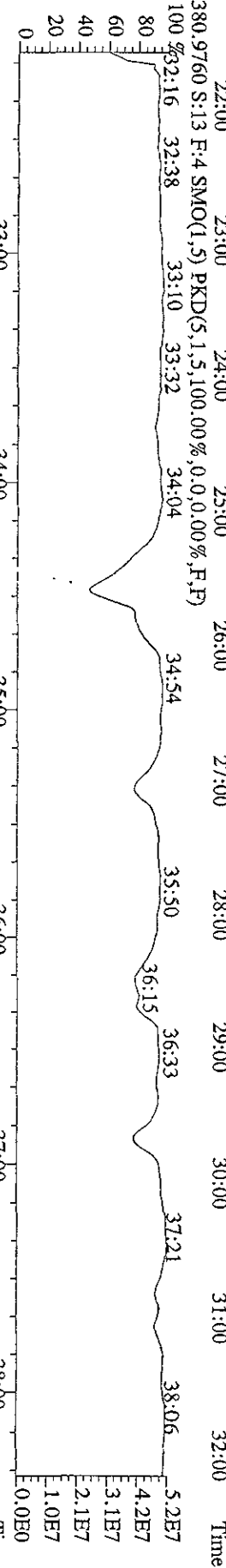
380.9760 S:13 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

100% 22:26 23:09 24:06 24:53 25:26



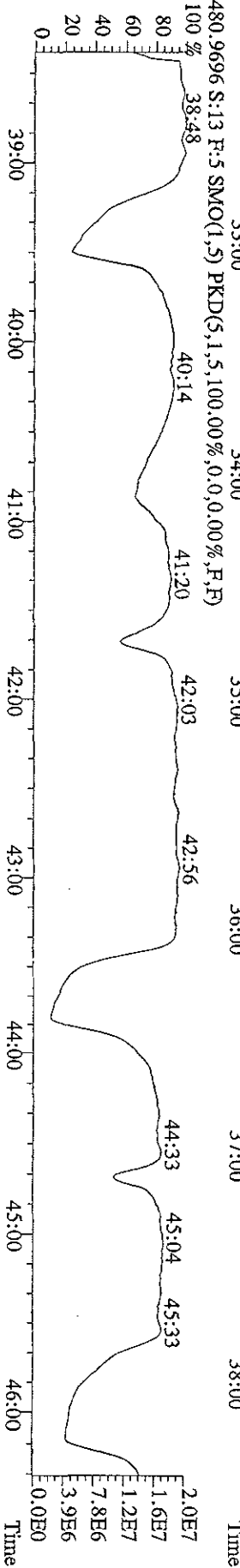
380.9760 S:13 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

100% 32:16 32:38 33:10 33:32 34:04

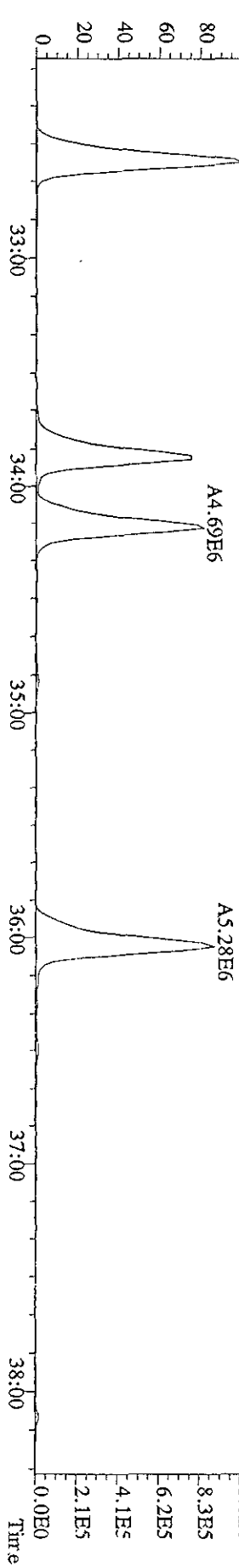
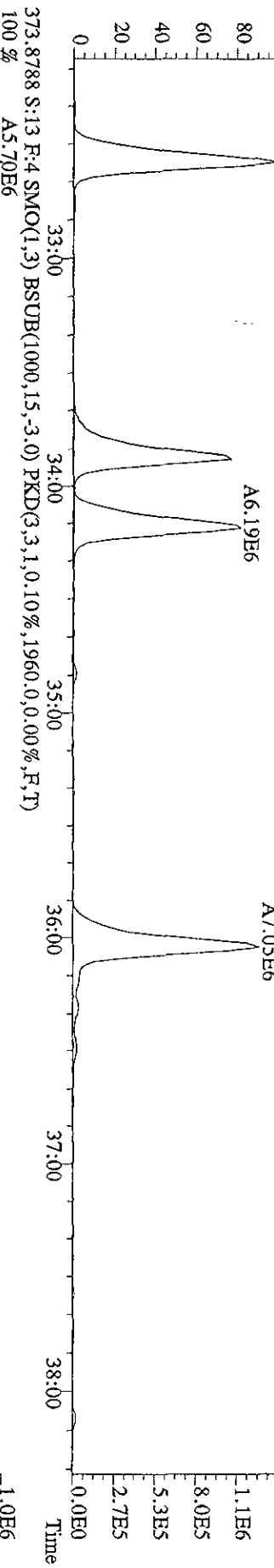
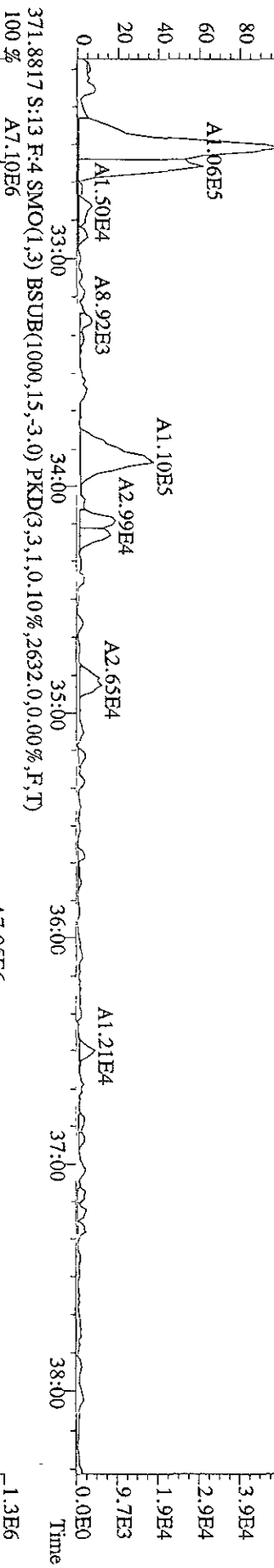
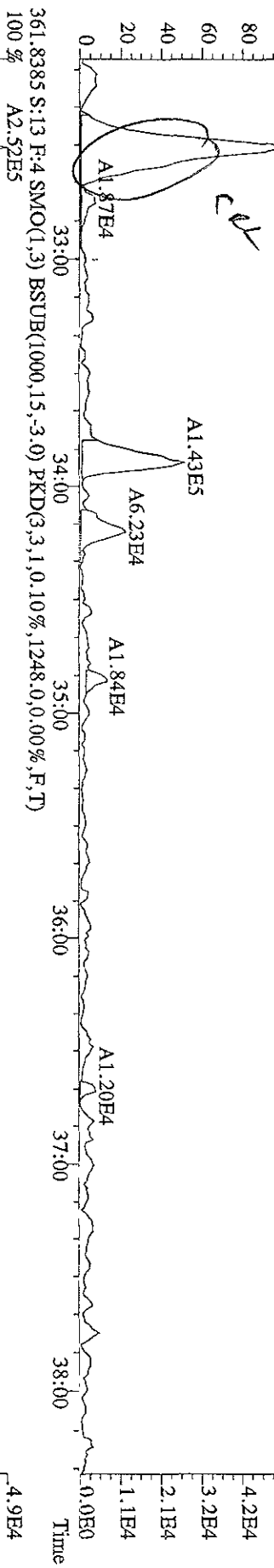


480.9696 S:13 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

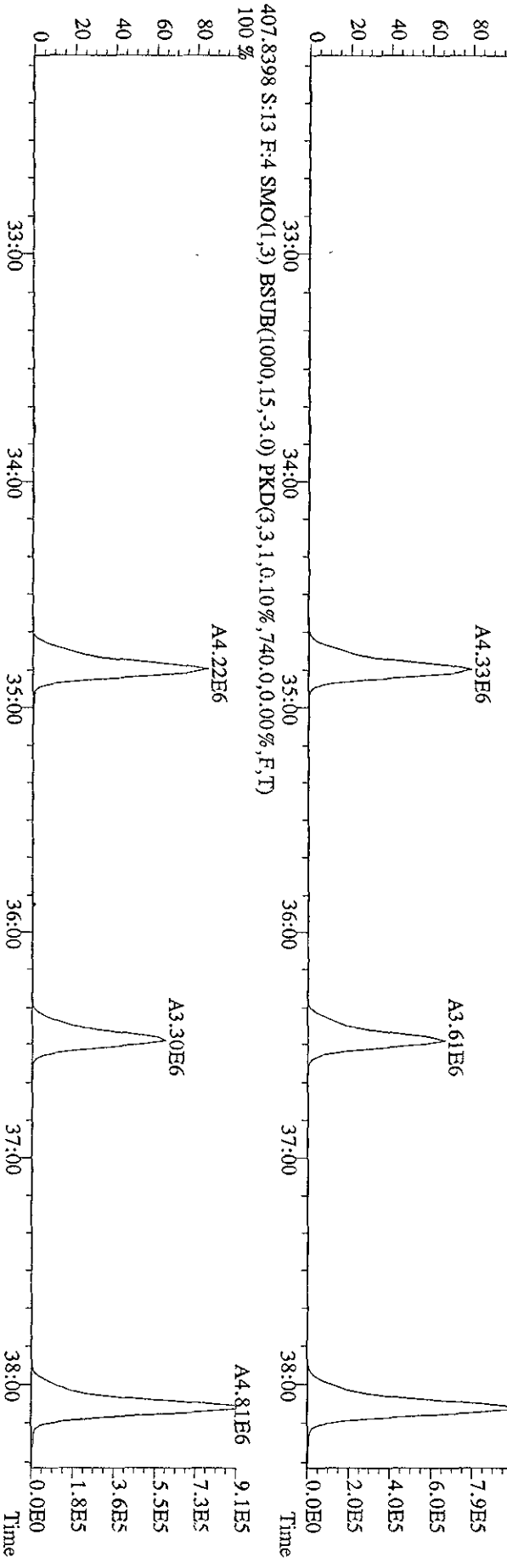
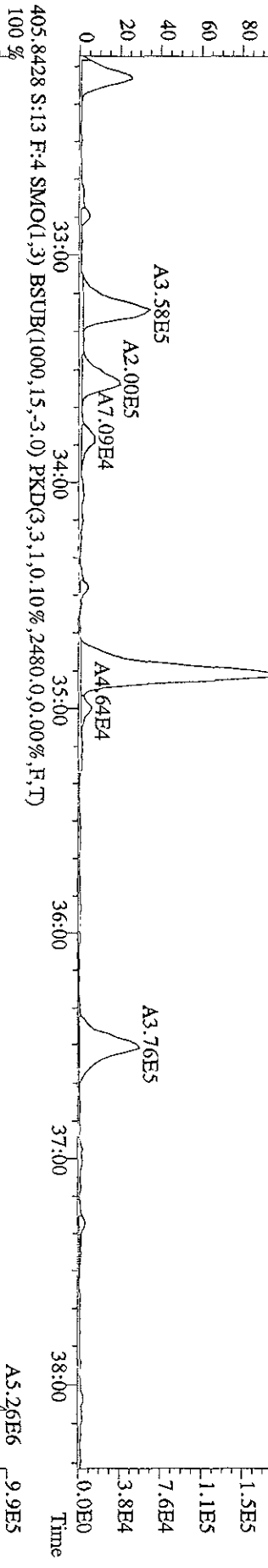
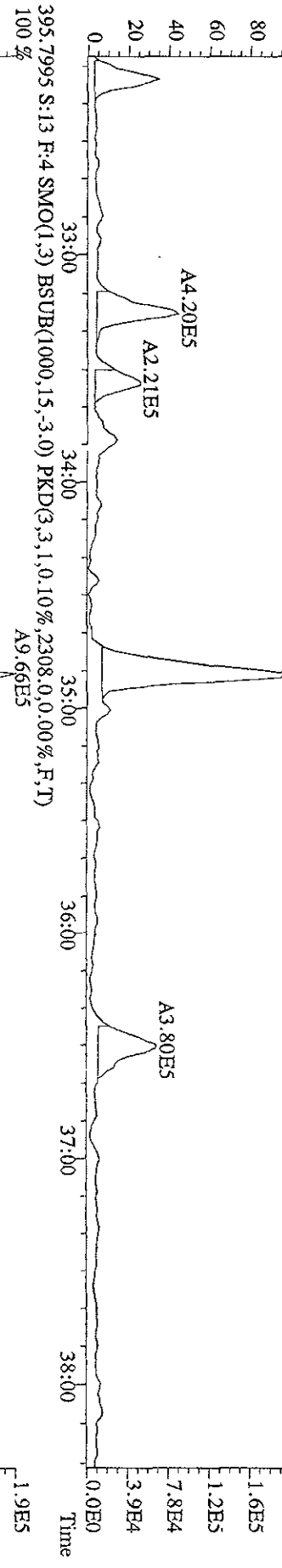
100% 38:48 40:14 41:20 42:03 42:56



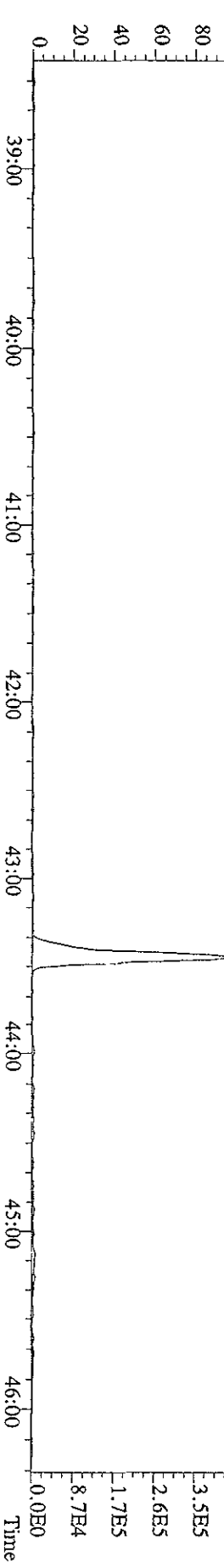
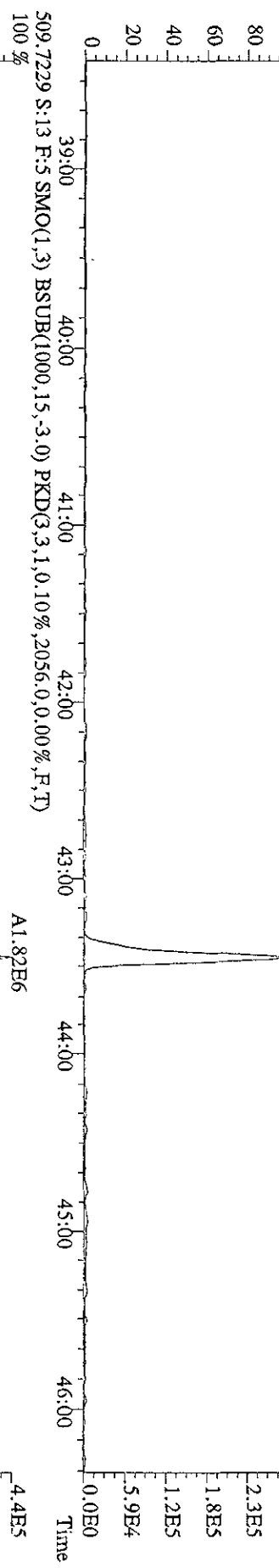
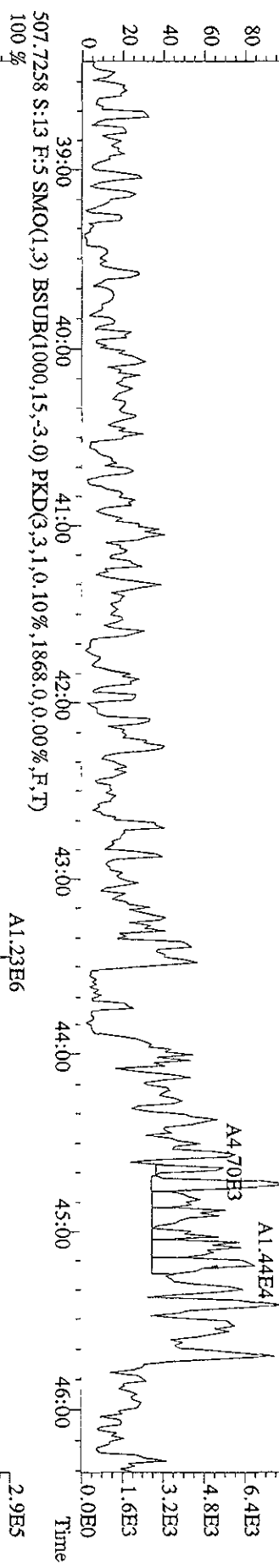
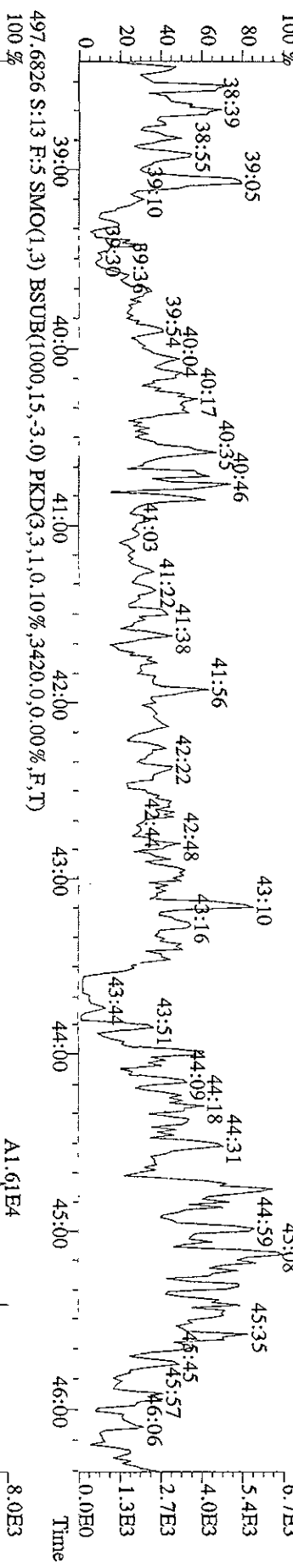
File:04MY099D5 #1-381 Acq: 4-MAY-2009 23:00:09 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#13 Text:K9LEET-1-AC :G9D030340-4 (10X) Exp:209DB5  
 359.8415 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2264,0,0.00%,F,T)  
 100 % A3.95E5



File:04MAY099D5 #1-381 Acq: 4-MAY-2009 23:00:09 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#13 Text:K9LET-1-AC :G9D030340-4 (10X) Exp:209DB5  
 393.8025 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,11332.0,0.00%,F,T)  
 100 % A9.96E5



File:04MY099D5 #1-529 Acq: 4-MAY-2009 23:00:09 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#13 Text:KULET-1-AC :G9D030340-4 (10X) Exp:209DB5  
 495.6856 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3656,0,0,00%,F,T)



Run text: K9LEV-1-AC Sample text: K9LEV-1-AC :G9D030340-5 (10X)  
 Run #13 Filename: 04MY099D5 S: 14 I: 1 Results: 04my099d51668msldec7  
 Acquired: 4-MAY-09 23:51:29 Processed: 5-MAY-09 09:37:02  
 Run: 04MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.06 g

*EV-50  
RL-50*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	9221280	0.57 y	24:26	-	0.37	-	-	n
13C-TCB-81	7167040	0.71 y	26:00	0.95	163.12	1.70	82.0	n
TCB-81	543128	0.69 y	26:00	1.28	11.79	1.60	-	n
13C-TCB-77	7713170	0.69 y	26:34	0.98	169.27	1.64	85.1	n
TCB-77	3550650	0.74 y	26:35	1.10	82.94 <i>ND/G</i>	1.78	-	n
13C-PeCB-123	8806870	0.62 y	27:55	0.87	217.88	1.71	109.6	n
PeCB-123	984094	0.59 y	27:59	1.51	14.72 <i>CR</i>	1.12	-	y
13C-PeCB-118	9524400	0.63 y	28:03	0.98	208.57	1.51	104.9	n
PeCB-118/106	16716250	0.54 y	28:04	1.53	228.35 <i>✓</i>	1.03	-	y
13C-PeCB-114	8983070	0.60 y	28:42	0.97	200.42	1.54	100.8	n
PeCB-114	532598	0.52 y	28:43	1.59	7.43 <i>CR</i>	1.10	-	n
13C-PeCB-105	8722160	0.57 y	29:34	0.90	209.58	1.66	105.4	n
PeCB-105/127	8160905	0.51 <i>Q</i>	29:36	1.42	130.79 <i>-Q</i>	1.28	-	y
13C-PeCB-126	9164950	0.61 y	31:29	0.91	216.77	1.63	109.0	n
PeCB-126	581133	0.84 n	31:28	1.17	10.74 <i>CR</i>	1.59	-	n
13C-OcCB-202	9578250	0.88 y	33:45	-	0.37	-	-	n
13C-HxCB-167	12348820	1.29 y	32:36	0.84	304.57	1.97	153.2	n
HxCB-167	1064507	1.17 y	32:35	1.17	14.66 <i>CR</i>	0.78	-	y
13C-HxCB-156	10121150	1.33 y	33:54	0.67	313.44	2.47	157.7	n
HxCB-156	2109128	1.30 y	33:55	1.45	28.53	0.82	-	n
13C-HxCB-157	10256420	1.32 y	34:12	0.71	301.18	2.34	151.5	n
HxCB-157	433795	1.12 y	34:13	1.45	5.81	0.80	-	n
13C-HxCB-169	11513520	1.28 y	36:03	0.73	325.80	2.26	163.9	n
HxCB-169	37633	0.80 n	36:04	0.99	0.66	1.05	-	n
13C-HpCB-180	8345440	1.05 y	34:51	0.58	296.29 <i>WA</i>	1.54	149.0	n
HpCB-180	23349200	1.11 y	34:53	1.27	439.63	4.37	-	n
13C-HpCB-170	6815390	1.05 y	36:30	0.47	298.18	1.90	150.0	n
HpCB-170/190	10331410	1.14 y	36:32	1.61	187.60	4.15	-	n
13C-HpCB-189	9854500	1.05 y	38:07	0.60	341.74	1.51	171.9	n
HpCB-189	441974	1.13 y	38:08	1.21	7.39	3.64	-	n
13C-DeCB-209	3673870	0.72 y	43:28	0.46	165.71	0.90	83.4	n
DECB-209	89432	0.57 n	43:28	1.50	3.22	1.60	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	1.27	*	n

*SL 576135*

Run text: K9LEV-1-AC      Sample text: K9LEV-1-AC ;G9D030340-5 (10X)  
 Run #13 Filename: 04MY099D5    S: 14    I: 1      Results: 04MY099D51668MSLDEC  
 Acquired: 4-MAY-09    23:51:29      Processed: 5-MAY-09    09:37:02  
 Run: 04MY099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.06007g

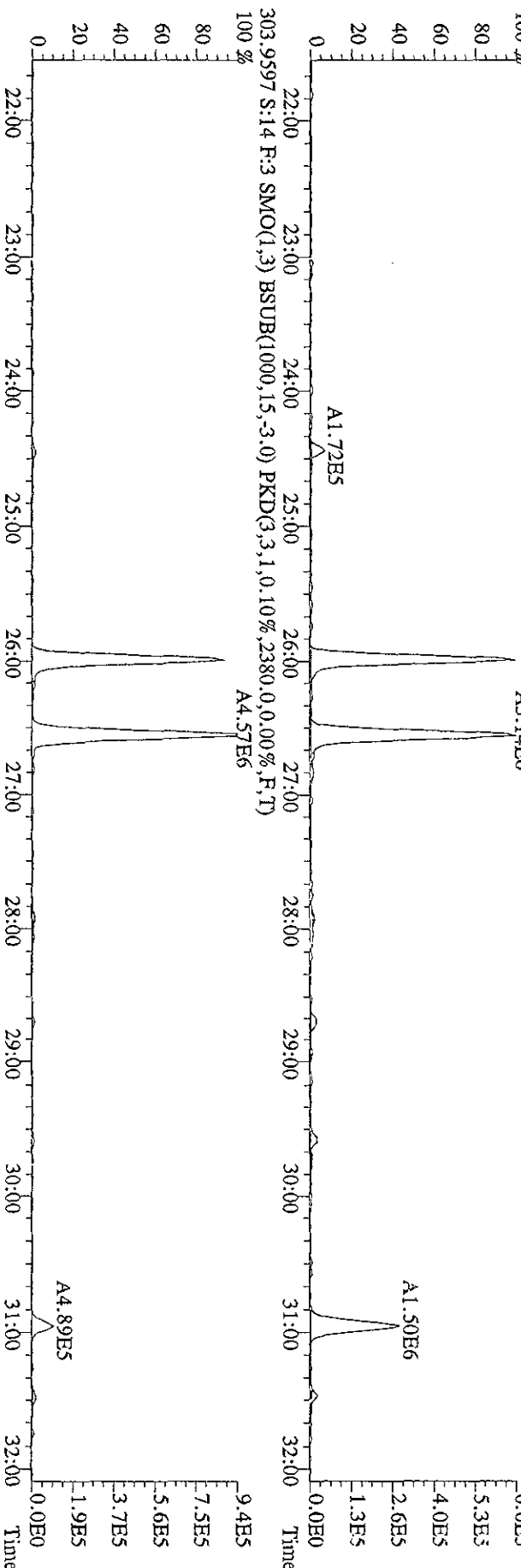
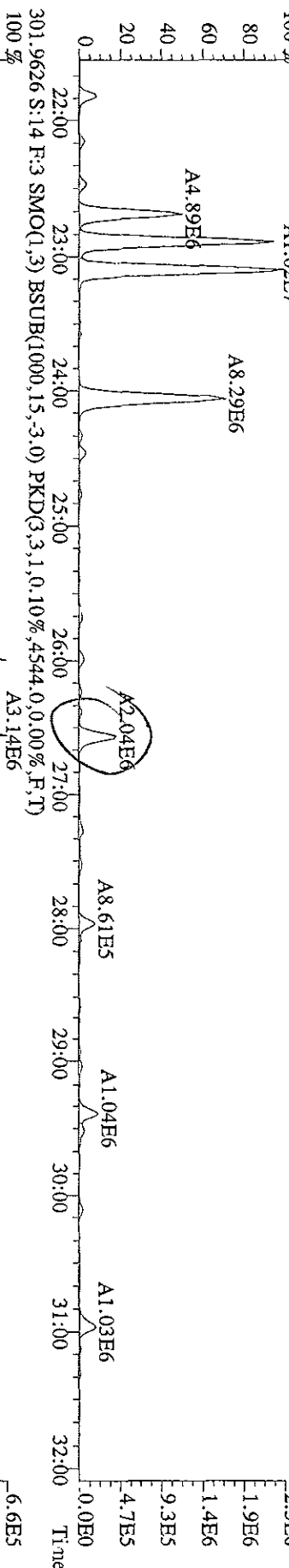
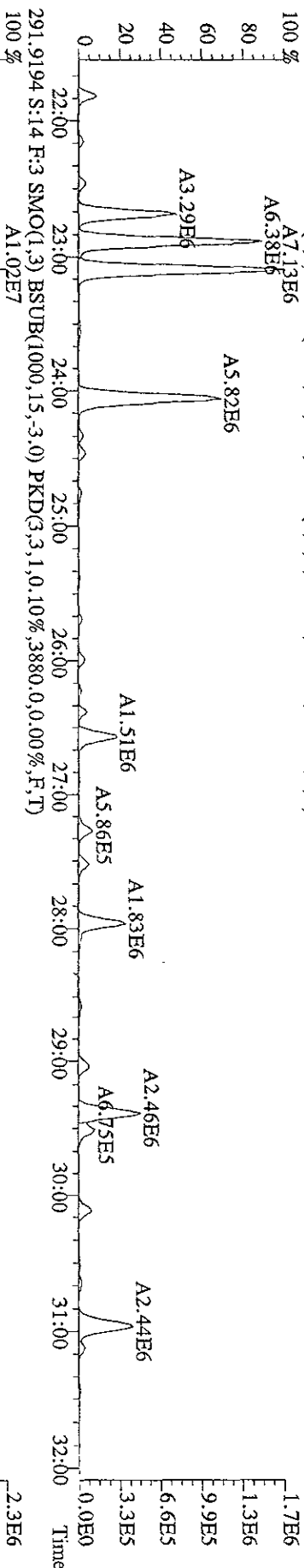
*EV 250  
 NL 200*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	9221280	0.57 y	24:26		0.37	-	-	n
13C-TCB-81	7167038	0.71 y	25:60	0.95	163.12	1.70	82.0	n
TCB-81	543128	0.69 y	25:60	1.28	11.79	1.60	-	n
13C-TCB-77	7713166	0.69 y	26:34	0.98	159.27	1.64	85.1	n
TCB-77	3550650	0.74 y	26:35	1.10	82.94	1.78	-	n
13C-PeCB-123	8806870	0.62 y	27:55	0.87	217.88	1.71	109.6	n
PeCB-123	*	* n	NotFnd	1.51	*	1.12	-	n
13C-PeCB-118	9524397	0.63 y	28:03	0.98	208.57	1.51	104.9	n
PeCB-118/106	17246708	0.57 y	28:04	1.53	235.60	1.03	-	n
13C-PeCB-114	8983063	0.60 y	28:42	0.97	200.42	1.54	100.8	n
PeCB-114	532598	0.52 y	28:43	1.59	7.43	1.10	-	n
13C-PeCB-105	8722166	0.57 y	29:34	0.90	209.58	1.66	105.4	n
PeCB-105/127	8160898	0.51 n	29:36	1.42	130.79	1.28	-	n
13C-PeCB-126	9164952	0.61 y	31:29	0.91	216.77	1.63	109.0	n
PeCB-126	581132	0.84 n	31:28	1.17	10.74	1.59	-	n
13C-OcCB-202	9578250	0.88 y	33:45	-	0.37	-	-	n
13C-HxCB-167	12348823	1.29 y	32:36	0.84	304.57	1.97	153.2	n
HxCB-167	3798976	1.29 y	32:32	1.17	52.33	0.78	-	n
13C-HxCB-156	10121149	1.33 y	33:54	0.67	313.44	2.47	157.7	n
HxCB-156	2109131	1.30 y	33:55	1.45	28.53	0.82	-	n
13C-HxCB-157	10256410	1.32 y	34:12	0.71	301.18	2.34	151.5	n
HxCB-157	433794	1.12 y	34:13	1.45	5.81	0.80	-	n
13C-HxCB-169	11513512	1.28 y	36:03	0.73	325.80	2.26	163.9	n
HxCB-169	37633	0.80 n	36:04	0.99	0.66	1.05	-	n
13C-HpCB-180	8345443	1.05 y	34:51	0.58	296.29	1.54	149.0	n
HpCB-180	23349260	1.11 y	34:53	1.27	439.64	4.37	-	n
13C-HpCB-170	6815383	1.05 y	36:30	0.47	298.18	1.90	150.0	n
HpCB-170/190	10331407	1.14 y	36:32	1.61	187.60	4.15	-	n
13C-HpCB-189	9854497	1.05 y	38:07	0.60	341.74	1.51	171.9	n
HpCB-189	441973	1.13 y	38:08	1.21	7.39	3.64	-	n
13C-DeCB-209	3673875	0.72 y	43:28	0.46	165.71	0.90	83.4	n
DECB-209	89432	0.57 n	43:28	1.50	3.22	1.60	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	1.27	*	n

*WA*

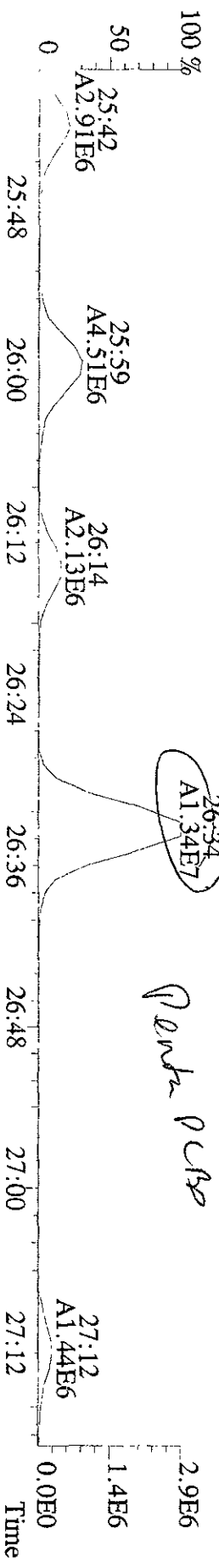
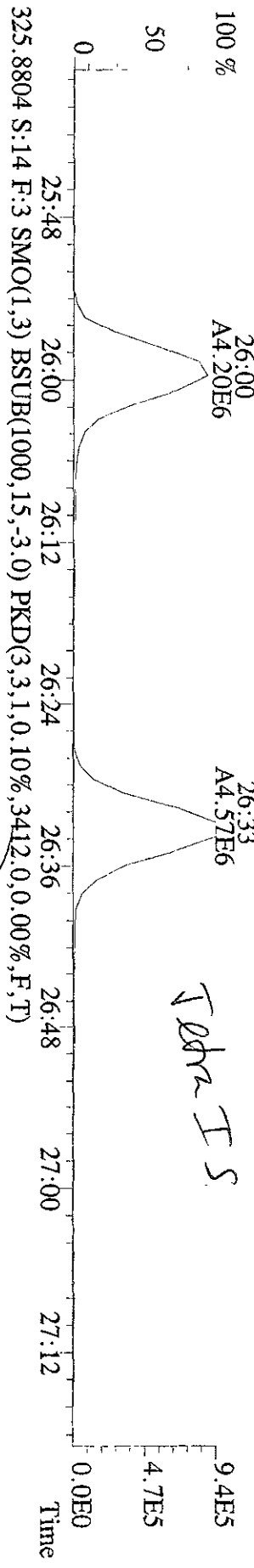
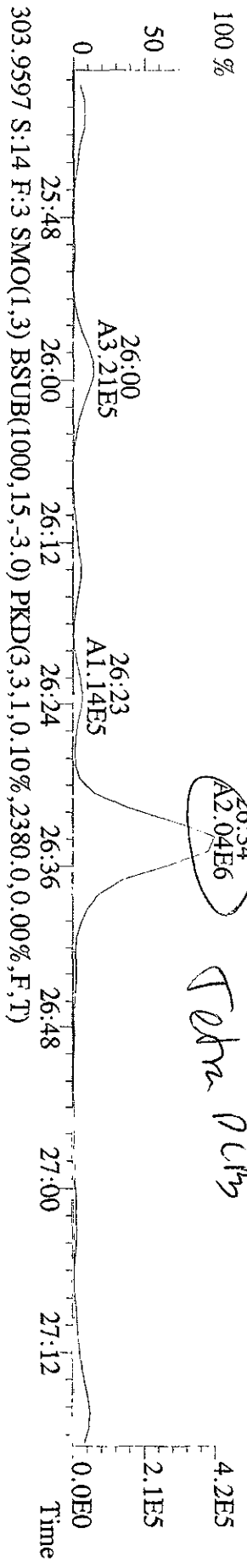
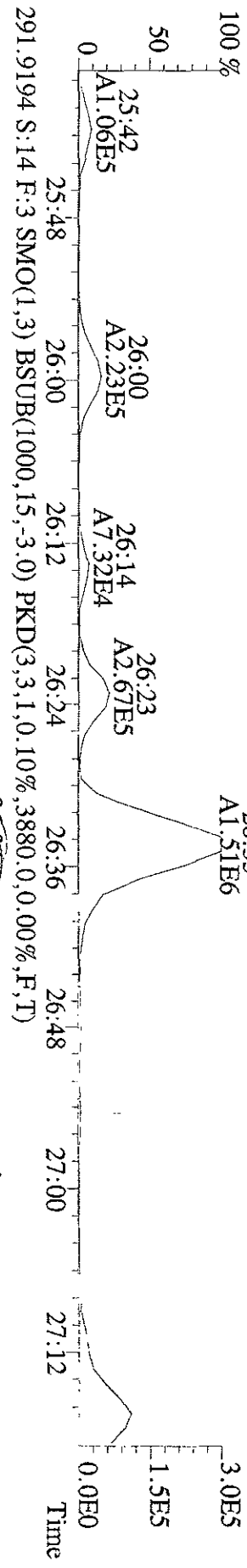
*153.2  
 157.7  
 151.5  
 163.9*

File:04MY099D5 #1-594 Acq: 4-MAY-2009 23:51:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#14 Text:K9LEV-1-AC :G9D030340-5 (10X) Exp:209DB5  
 289.9224 S:1.4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2448,0,0.00%,F,T)



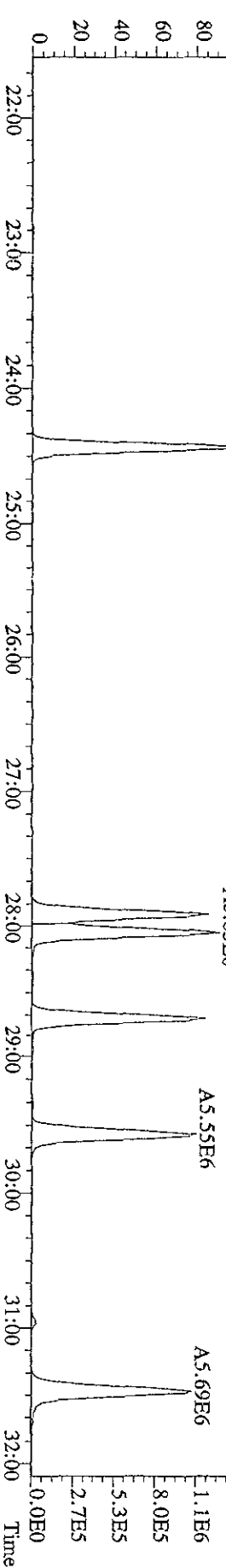
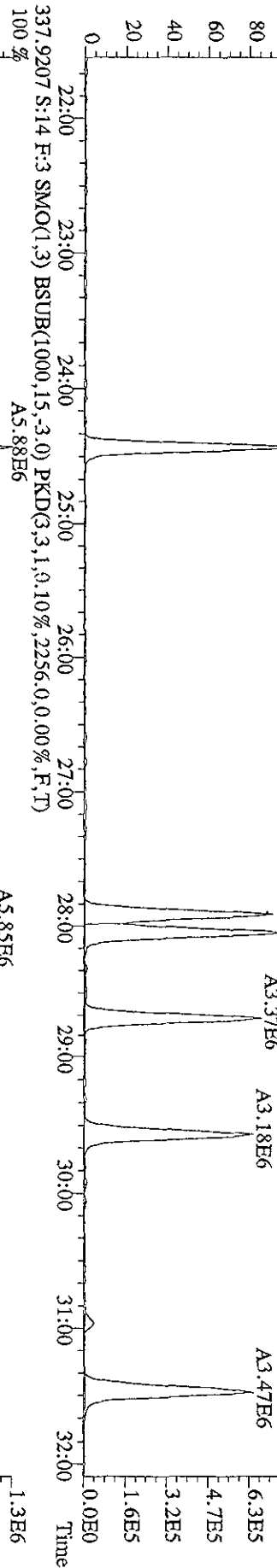
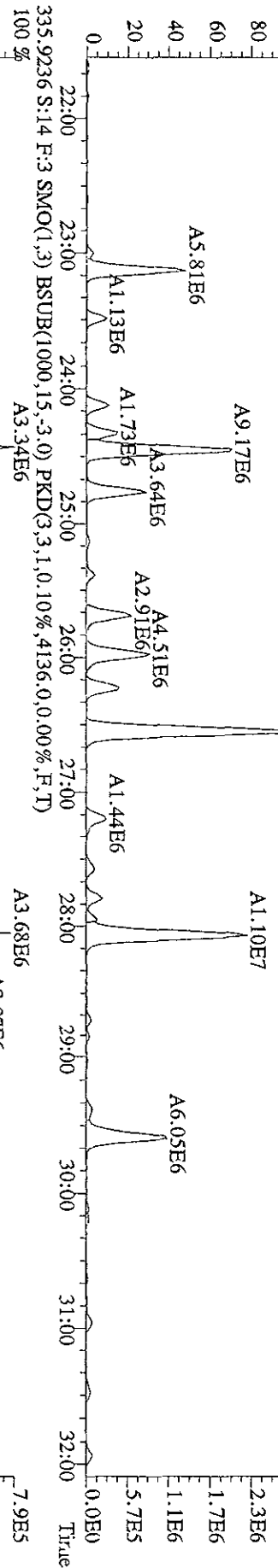
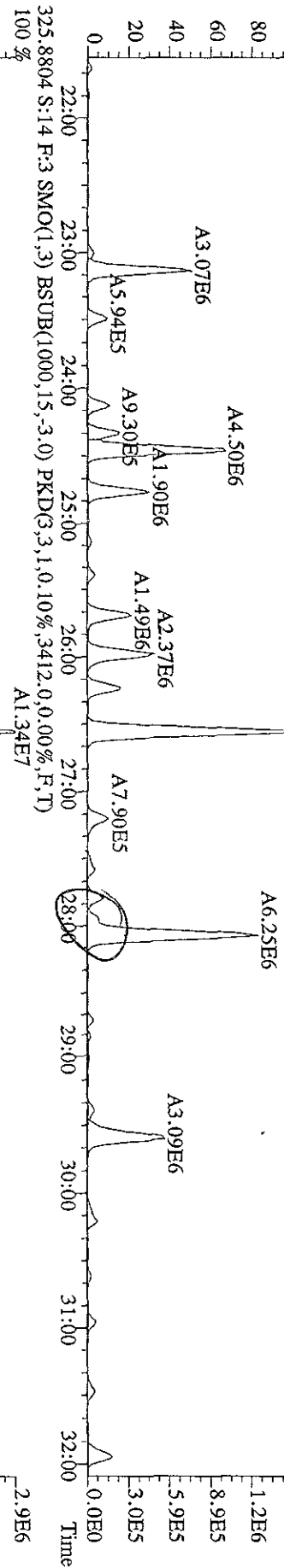
File:04MY099D5 #1-594 Acq: 4-MAY-2009 23:51:29 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#14 Text:K9LEV-1-AC :G9D030340-5 Exp:209DB5  
 289.9224 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,0.10%,2448,0,0.00%,F,T)

**MORE THAN 50%  
 CONTRIBUTION FROM A  
 HIGHER CHLORINATION PCB**

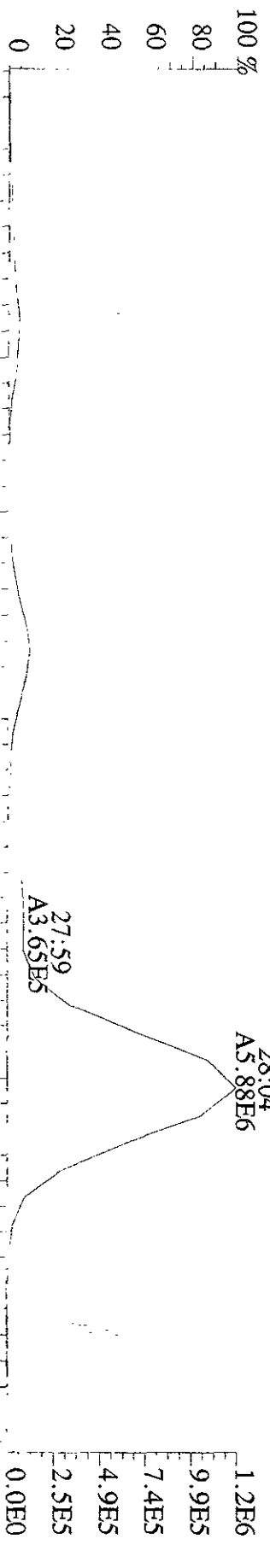




File:04MAY09D5 #1-594 Acq: 4-MAY-2009 23:51:29 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:K9LEV-1-AC :G9D030340-5 (10X) Exp:209DB5  
 323.8834 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2904,0,0,00%,F,T)  
 100%



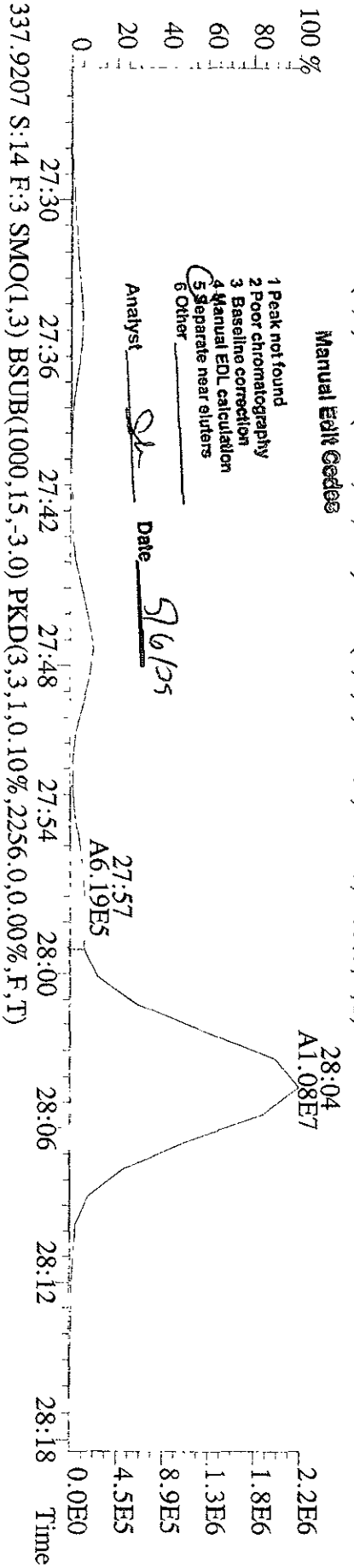
File:04MY099D5 #1-594 Acq: 4-MAY-2009 23:51:29 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#14 Text:K9LEV-1-AC :G9D030340-5 Exp:209DB5  
 323.8834 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2904.0,0.00%,F,T)



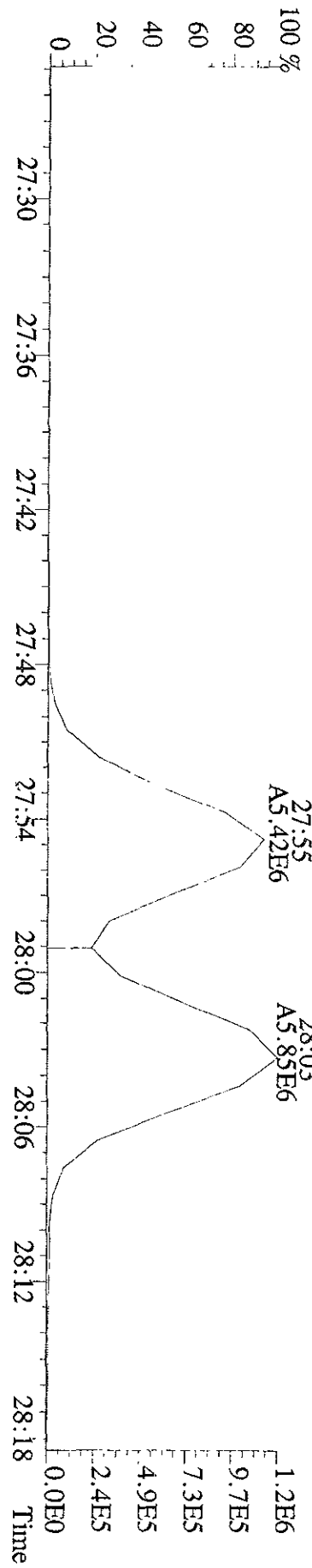
325.8804 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3412.0,0.00%,F,T)

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

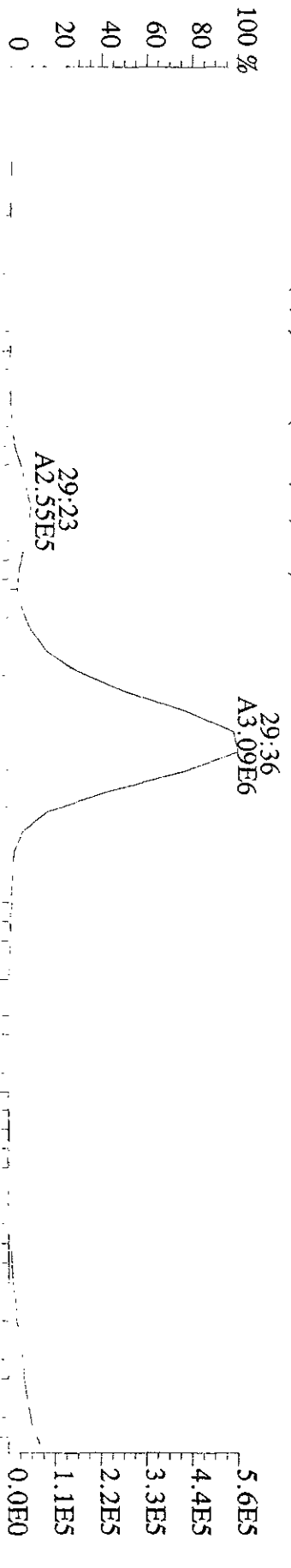
Analyst [Signature] Date 5/6/05



337.9207 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2256.0,0.00%,F,T)



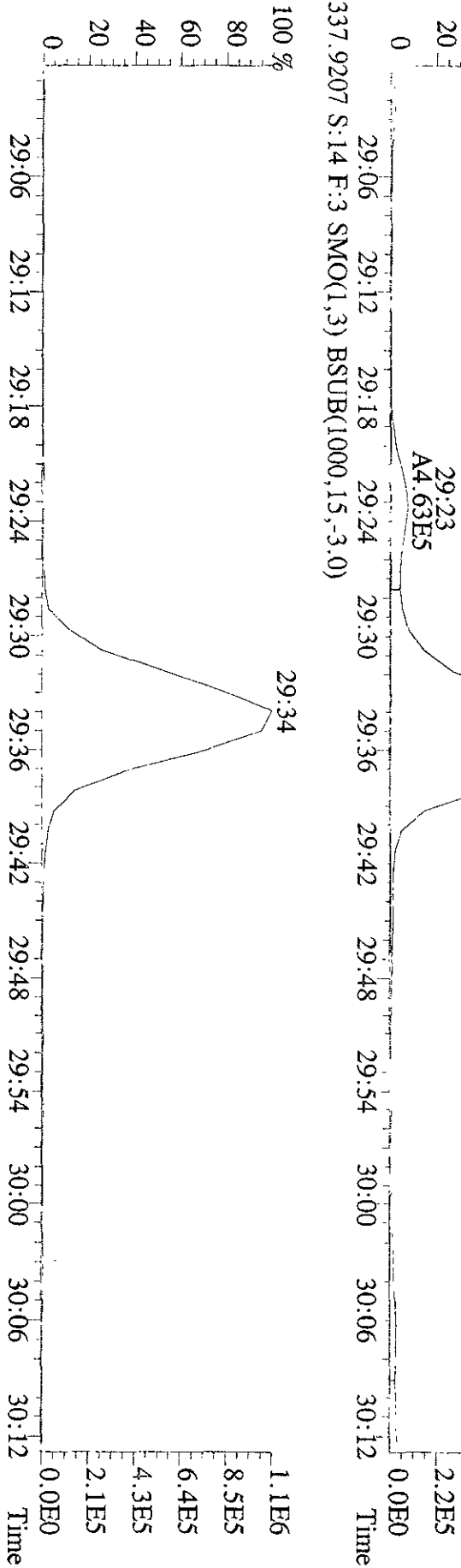
File:04MY099D5 #1-594 Acq: 4-MAY-2009 23:51:29 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#14 Text:K9LEV-1-AC :G9D030340-5 Exp:209DB5  
 323.8834 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0)



323.8834 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0)  
 29:06 29:12 29:18 29:24 29:30 29:36 29:42 29:48 29:54 30:00 30:06 30:12  
 0 20 40 60 80 100 %  
 29:23 A2.55E5  
 29:36 A3.09E6  
 29:36 A6.02E6  
 0.0E0 1.1E5 2.2E5 3.3E5 4.4E5 5.6E5  
 Time

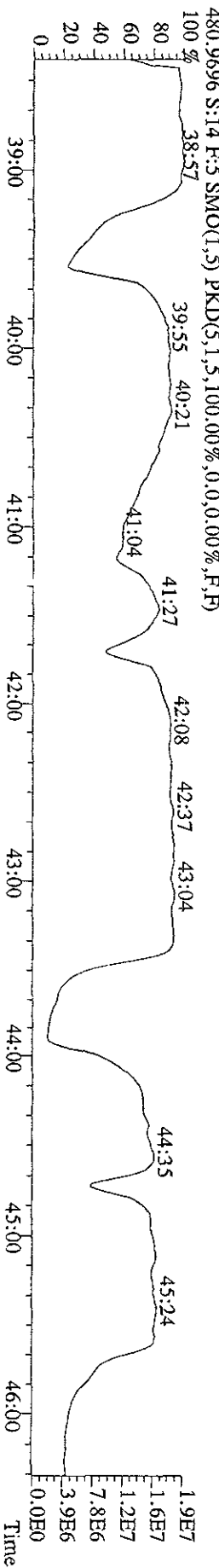
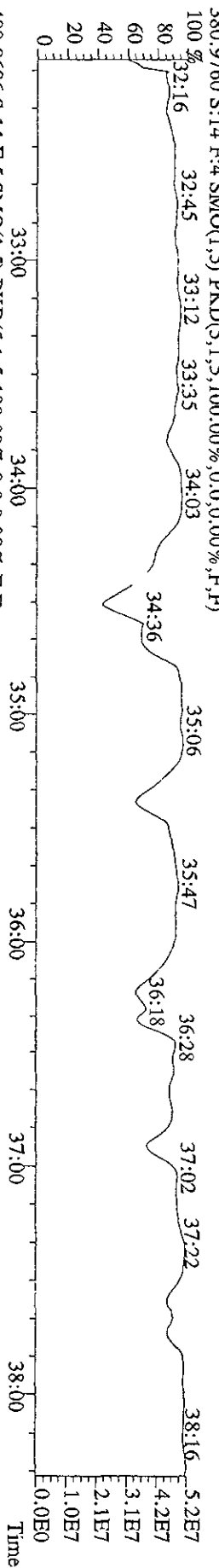
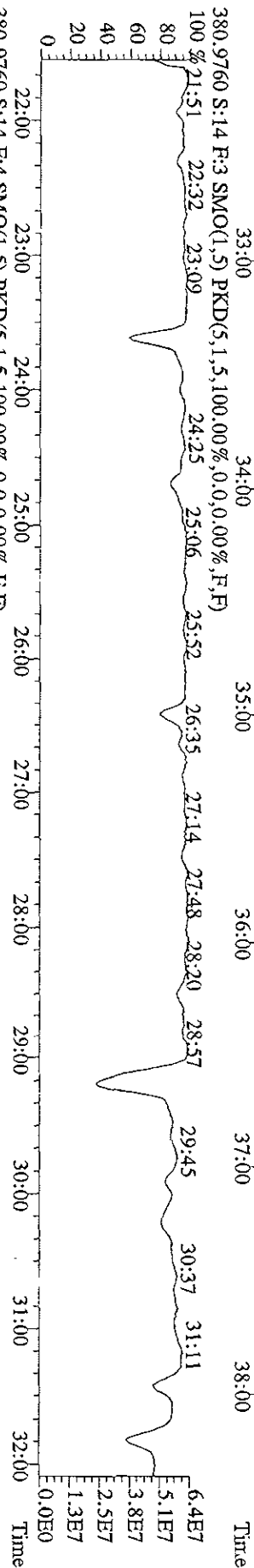
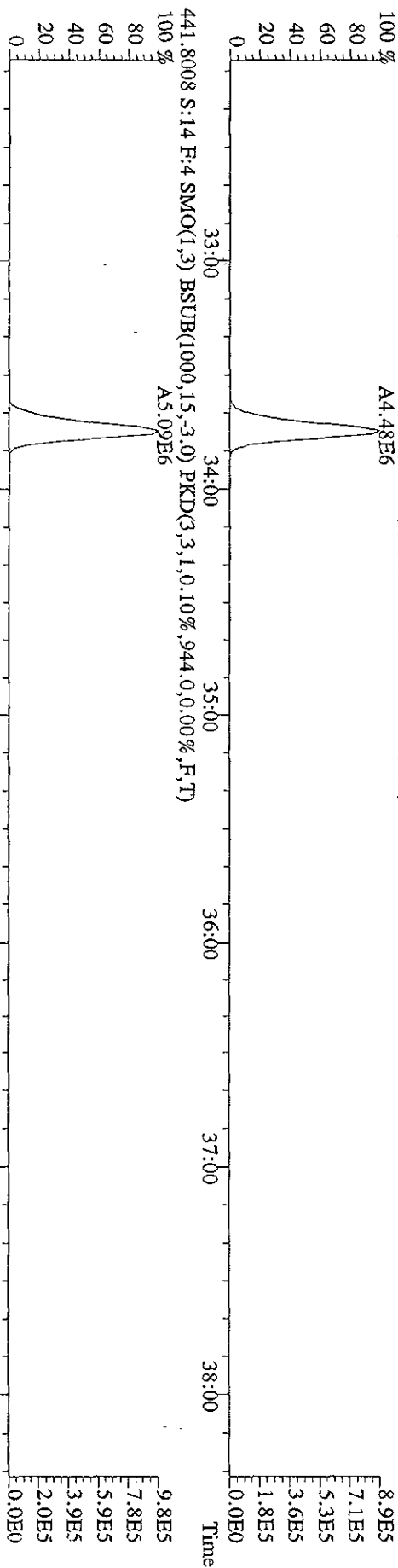
- Manual Edit Codes
- 1 Peak not found
  - 2 Poor chromatography
  - 3 Baseline correction
  - 4 Manual EDL calculation
  - 5 Separate near eluters
  - 6 Other

Analyst SK Date 5/6/09

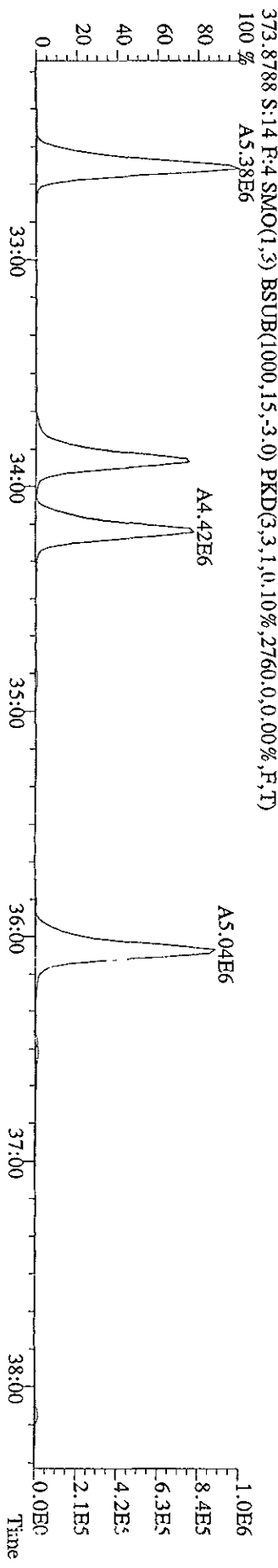
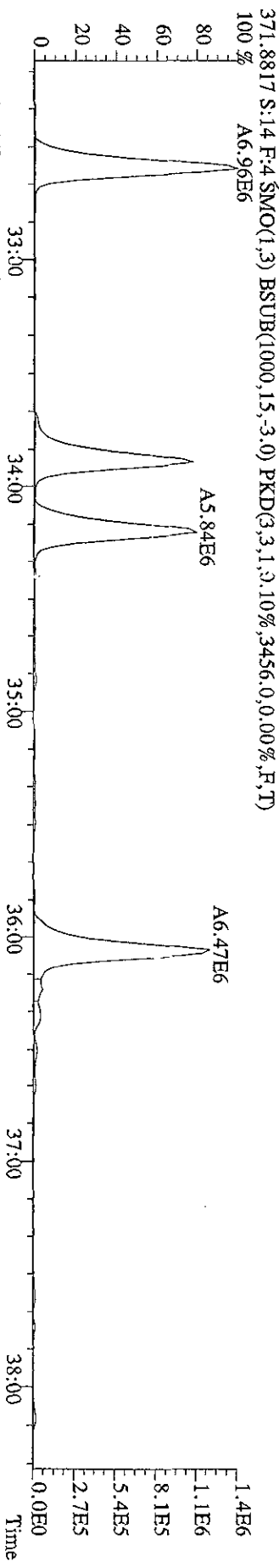
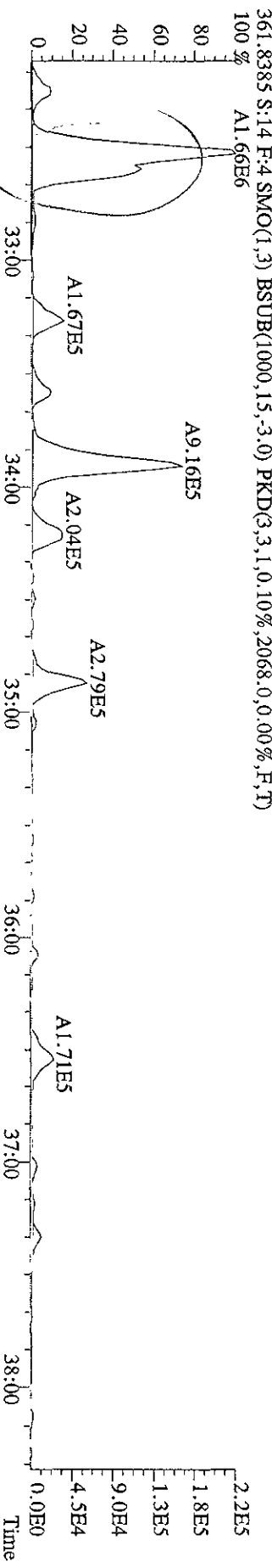
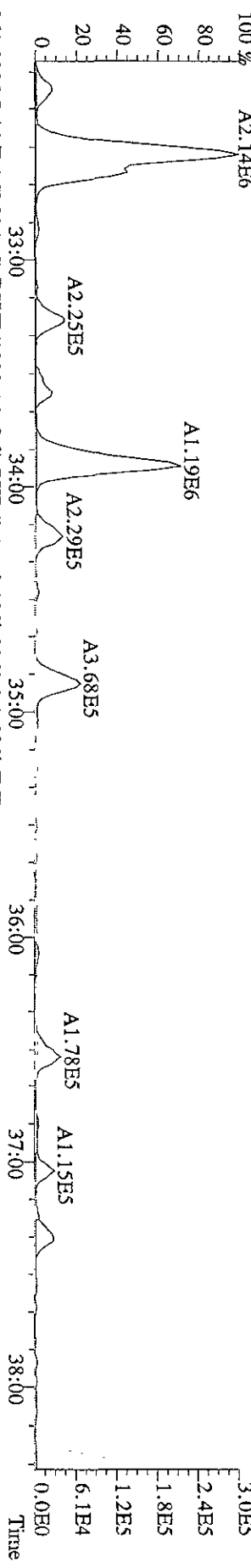


337.9207 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0)  
 29:06 29:12 29:18 29:24 29:30 29:36 29:42 29:48 29:54 30:00 30:06 30:12  
 0 20 40 60 80 100 %  
 29:23 A4.63E5  
 29:34 A2.1E6  
 29:36 A6.02E6  
 0.0E0 1.1E6 2.1E6 3.1E6 4.3E6 5.6E6  
 Time

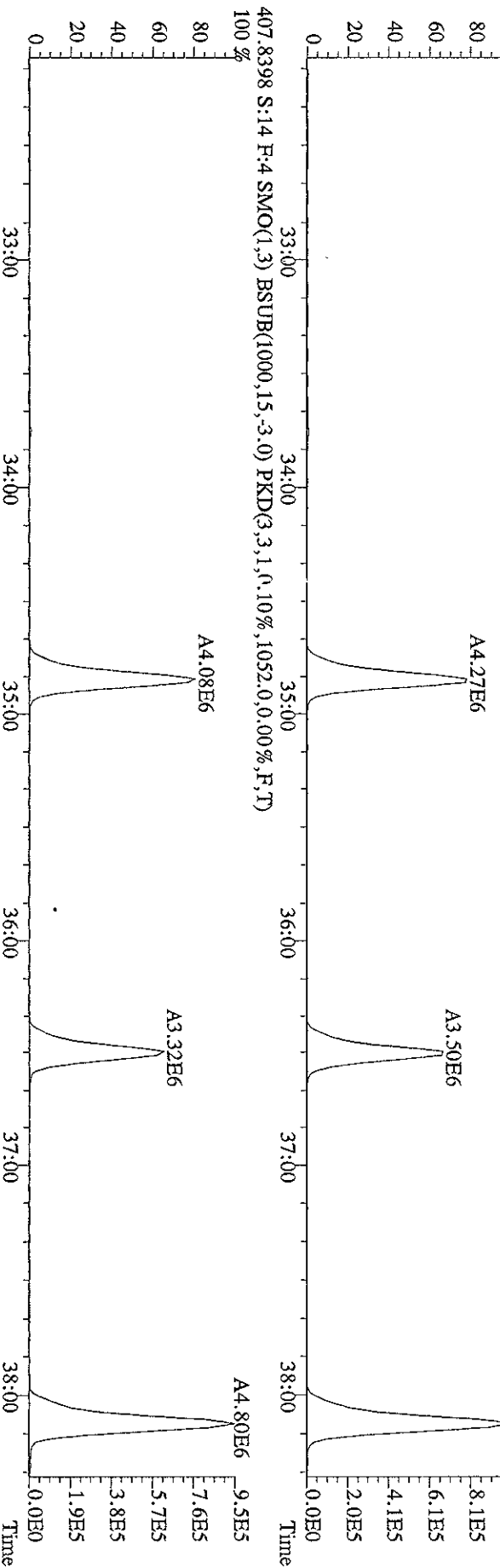
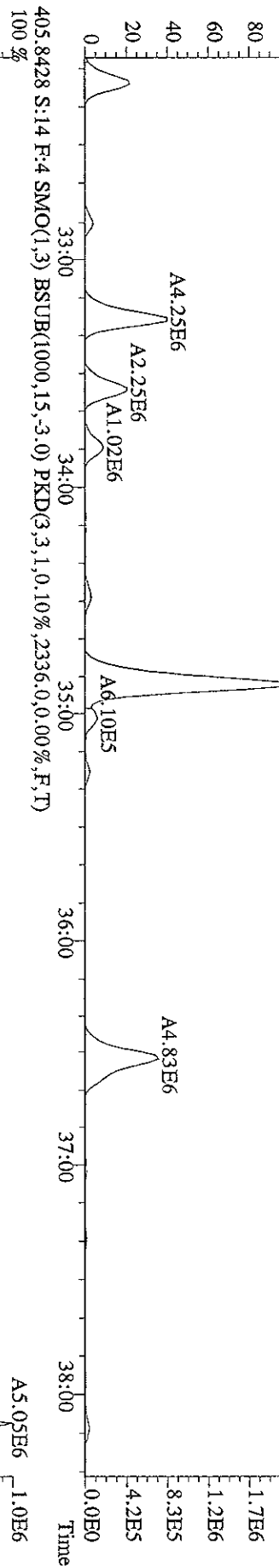
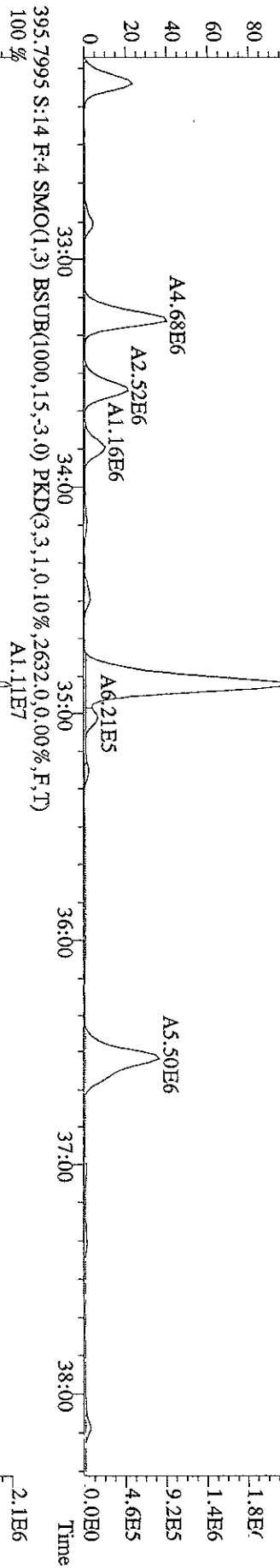
File:04MYY099D5 #1-381 Acq: 4-MAY-2009 23:51:29 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:K9LEV-1-AC :G9D030340-5 (10X) Exp:209DB5  
 439.8038 S:14 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,120.0,0.00%,F,T)  
 A4.48E6



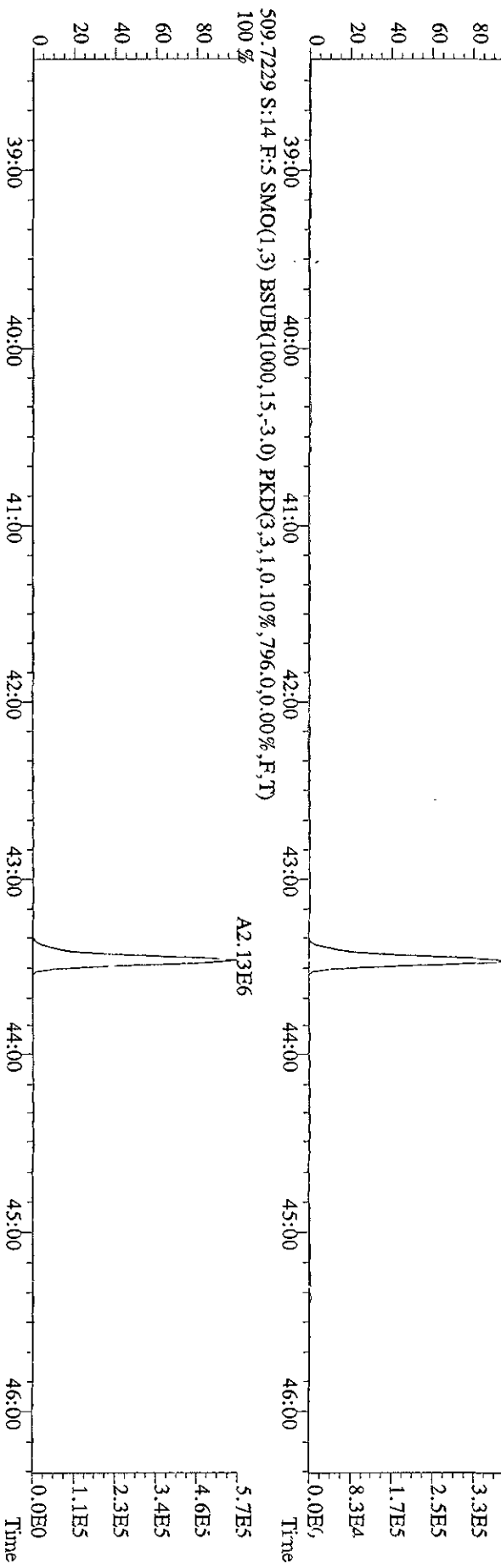
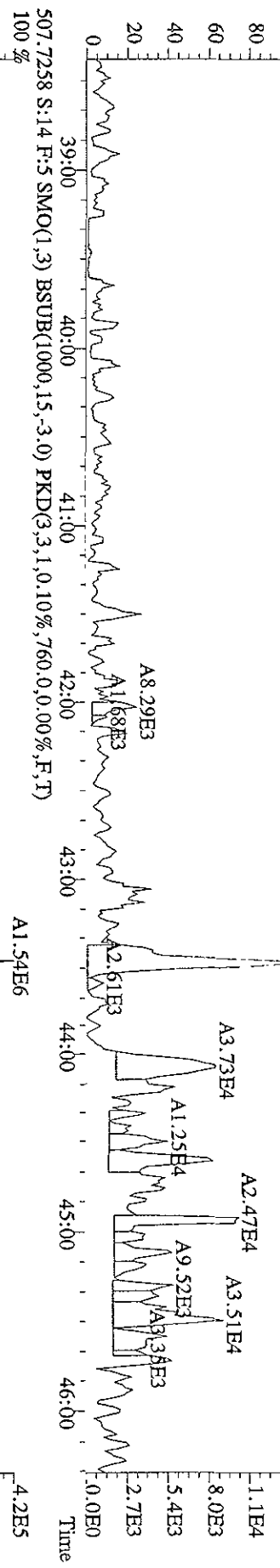
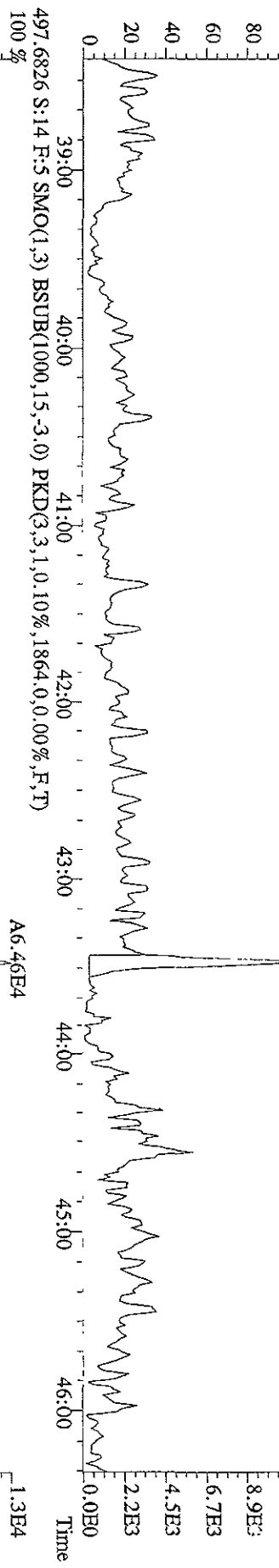
File:04MAY099D5 #1-381 Acq: 4-MAY-2009 23:51:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#14 Text:K9LEV-1-AC :G9D030340-5 (10X) Exp:209DB5  
 359.8415 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2316,0,0,00%,F,T)



File:04MAY099D5 #1-381 Acq: 4-MAY-2009 23:51:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#14 Text:K9LEV-1-A-C :G9D030340-5 (10X) Exp:209DB5  
 393.8025 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,14664,0,0,0.00%,F,T)  
 100%



File:04MY099D5 #1-529 Acq: 4-MAY-2009 23:51:29 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:K9LEV-1-AC :G9D030340-5 (10X) Exp:209DB5  
 495.6856 S:14 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2920,0,0,00%,F,T)



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668M (Start + Dead)

Associated ICAL 1668M164-DEC-0815099, DS  
~~1668M164~~

Column ID DB5

Instrument ID 9D5

STD ID ST0501A

STD Solution 0.9DxNO16

Analyzed by KAS

Date Analyzed 5/1/09

Std. Pkg. By MS

Date Std. Pkg. Assembled 5/5/09

Std. Pkg. Reviewed By M.G.

Date Std. Pkg. Reviewed 5/5/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	/	/
Copy of log-file and Beginning Static Resolution present?	/	/
Column Performance blow up present	/	/
Curve Summary present?	/	/
Summary of Method criteria present or documented below?	/	/
Daily standard within method specified limits?*	/	/
Analyte retention times correct?	/	/
Isotopic ratios within limits?	/	/
Column Performance valley $\leq$ method specified limits?*	/	/
Are chromatographic windows correct?	/	/
Samples analyzed within 12 hrs of daily standard?	/	/
Manual reintegration's checked and hardcopies included?	/	/
Ending Static Resolutions present?	/	/

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\* Method 1668A(PCBs):  $\pm 30\%$  from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and  $\pm 50\%$  for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the  $\pm 30\%$  limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have  $\pm 40\%$  limit.  
Method 1614 (DBDs/DBFs):  $\pm 30\%$  from curve RRFs for native analytes and  $\pm 50\%$  from curve RRFs for labeled compounds (Note: BDE-209 is  $+200\%$  to  $-50\%$ , 13C-BDE-209 is  $+200\%$  to  $-75\%$  and 13C-BDE-139 is  $\pm 30\%$ ).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).



Run text: ST0501A File text: ST0501A :CS3 09DXN016  
 Run #6 Filename 01MY099D5 S: 2 I: 1  
 Acquired: 1-MAY-09 13:39:48 Processed: 1-MAY-09 14:53:54  
 Run: 01MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 01MY099D51668MSLDEC

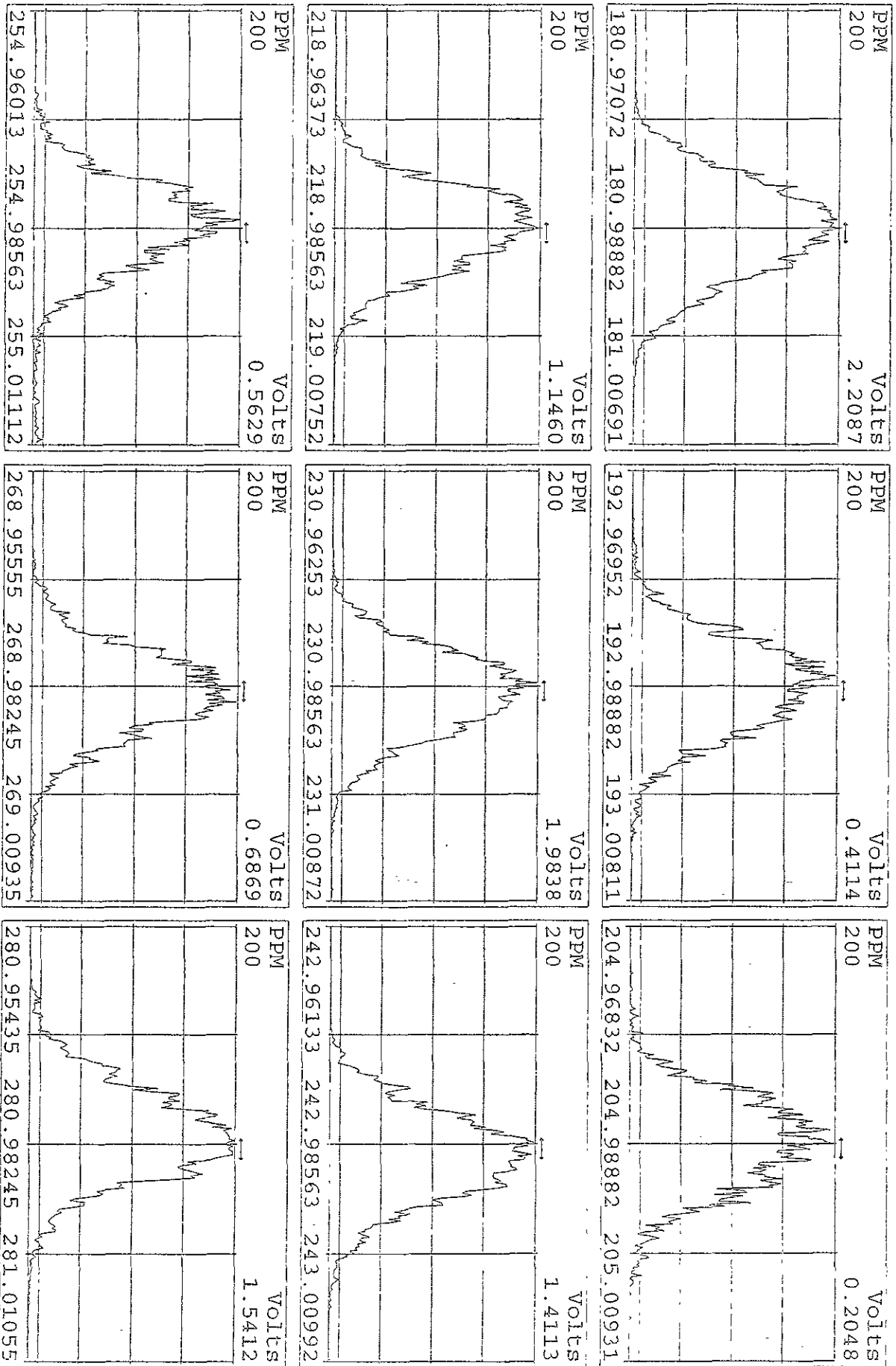
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	238040400	0.65 y	24:25	-	100.00	-	n
13C-TCB-81	222559700	0.80 y	25:58	0.93	100.00	-1.3	n
TCB-81	136195900	0.78 y	25:59	1.22	50.00	-4.3	n
13C-TCB-77	230717000	0.80 y	26:32	0.97	100.00	-1.3	n
TCB-77	128920600	0.78 y	26:33	1.12	50.00	1.3	n
13C-PeCB-123	224285700	0.64 y	27:53	0.94	100.00	8.1	n
PeCB-123	168571300	0.58 y	27:54	1.50	50.00	-0.4	n
13C-PeCB-118	237565600	0.66 y	28:01	1.00	100.00	1.4	n
PeCB-118/106	180587900	0.58 y	28:02	1.52	50.00	-0.5	n
13C-PeCB-114	238215900	0.66 y	28:40	1.00	100.00	3.6	n
PeCB-114	190052600	0.58 y	28:41	1.60	50.00	0.6	n
13C-PeCB-105	230538100	0.66 y	29:33	0.97	100.00	7.9	n
PeCB-105/127	163032300	0.59 y	29:34	1.41	50.00	-0.6	n
13C-PeCB-126	249832800	0.65 y	31:26	1.05	100.00	15.1	n
PeCB-126	149898900	0.59 y	31:27	1.20	50.00	2.3	n
13C-OcCB-202	278625000	0.89 y	33:43	-	100.00	-	n
13C-HxCB-167	211215400	1.28 y	32:33	0.76	100.00	-9.9	n
HxCB-167	114320300	1.28 y	32:34	1.08	50.00	-7.4	y
13C-HxCB-156	176799300	1.30 y	33:51	0.63	100.00	-5.3	n
HxCB-156	133093700	1.27 y	33:52	1.51	50.00	3.7	n
13C-HxCB-157	184022700	1.28 y	34:10	0.66	100.00	-6.6	n
HxCB-157	138725100	1.25 y	34:11	1.51	50.00	4.2	n
13C-HxCB-169	205334000	1.29 y	36:00	0.74	100.00	0.5	n
HxCB-169	107292100	1.26 y	36:01	1.05	50.00	5.6	n
13C-HpCB-180	166447700	1.03 y	34:48	0.60	100.00	2.2	n
HpCB-180	98089300	1.09 y	34:49	1.18	50.00	-6.8	n
13C-HpCB-170	136467900	1.04 y	36:27	0.49	100.00	3.2	n
HpCB-170/190	100346100	1.09 y	36:28	1.47	50.00	-8.5	n
13C-HpCB-189	184469700	1.02 y	38:05	0.66	100.00	10.6	n
HpCB-189	106558000	1.07 y	38:06	1.16	50.00	-4.2	n
13C-DeCB-209	156114800	0.71 y	43:26	0.56	100.00	21.8	n
DECB-209	113224600	0.68 y	43:26	1.45	50.00	-3.6	n
13C-PeCB-111	300784000	0.65 y	25:51	1.29	100.00	-4.7	n

Run text: ST0501A File text: ST0501A :CS3 09DXN016  
 Run #6 Filename 01MY099D5 S: 2 I: 1  
 Acquired: 1-MAY-09 13:39:48 Processed: 1-MAY-09 14:53:54  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results:

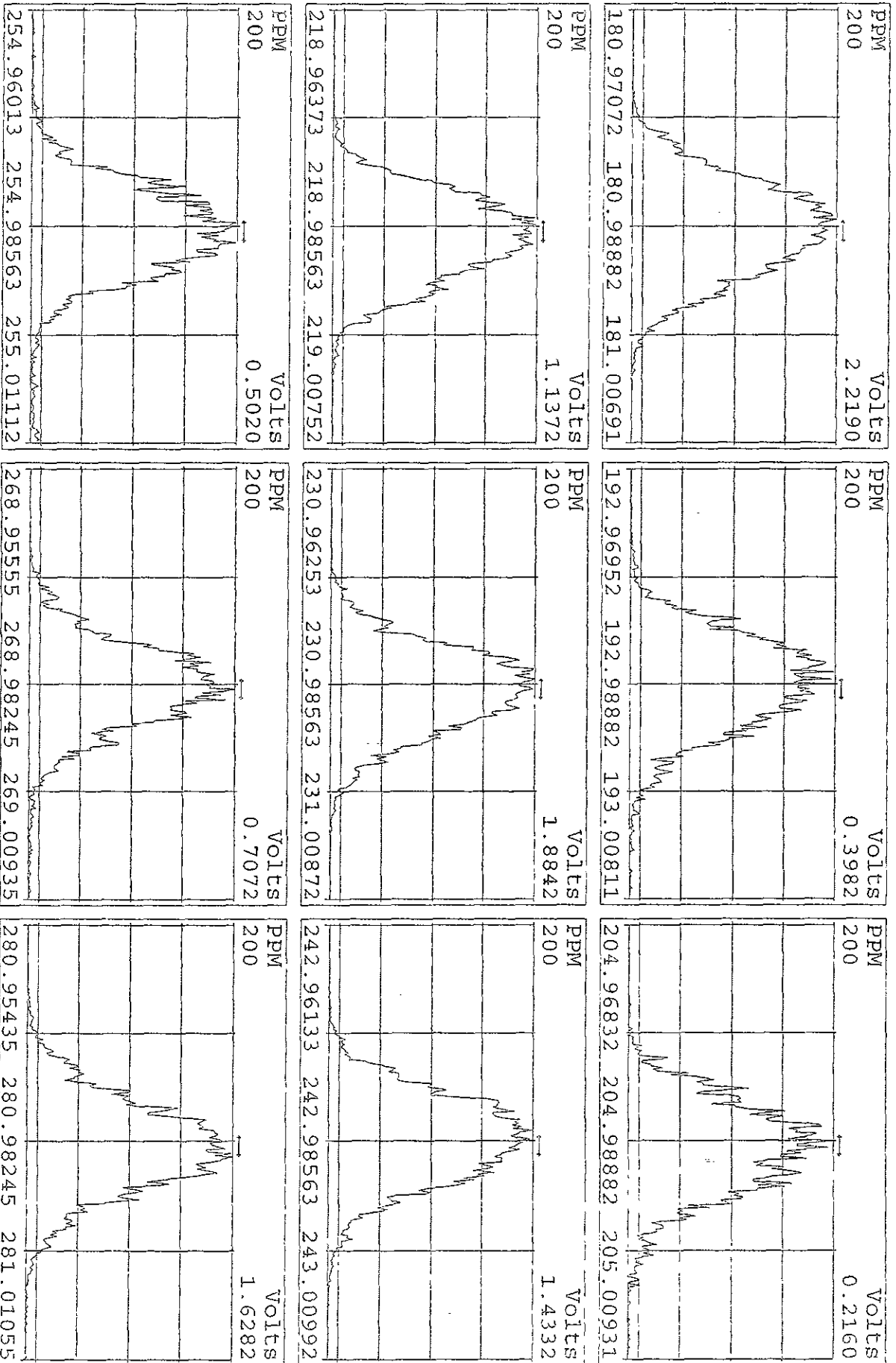
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	238040096	0.65 y	24:25	-	100.00	-	n
13C-TCB-81	222559544	0.80 y	25:58	0.93	100.00	-1.3	n
TCB-81	136195932	0.78 y	25:59	1.22	50.00	-4.3	n
13C-TCB-77	230716768	0.80 y	26:32	0.97	100.00	-1.3	n
TCB-77	128920548	0.78 y	26:33	1.12	50.00	1.3	n
13C-PeCB-123	224285448	0.64 y	27:53	0.94	100.00	8.1	n
PeCB-123	168571016	0.58 y	27:54	1.50	50.00	-0.4	n
13C-PeCB-118	237565416	0.66 y	28:01	1.00	100.00	1.4	n
PeCB-118/106	180587900	0.58 y	28:02	1.52	50.00	-0.5	n
13C-PeCB-114	238215600	0.66 y	28:40	1.00	100.00	3.6	n
PeCB-114	190052280	0.58 y	28:41	1.60	50.00	0.6	n
13C-PeCB-105	230538048	0.66 y	29:33	0.97	100.00	7.9	n
PeCB-105/127	163032692	0.59 y	29:34	1.41	50.00	-0.6	n
13C-PeCB-126	249832456	0.65 y	31:26	1.05	100.00	15.1	n
PeCB-126	149898972	0.59 y	31:27	1.20	50.00	2.3	n
13C-OcCB-202	278625552	0.89 y	33:43	-	100.00	-	n
13C-HxCB-167	211215512	1.28 y	32:33	0.76	100.00	-9.9	n
HxCB-167	231479216	1.26 y	32:34	2.19	50.00	87.5	n
13C-HxCB-156	176799264	1.30 y	33:51	0.63	100.00	-5.3	n
HxCB-156	133093684	1.27 y	33:52	1.51	50.00	3.7	n
13C-HxCB-157	184022784	1.28 y	34:10	0.66	100.00	-6.6	n
HxCB-157	138725080	1.25 y	34:11	1.51	50.00	4.2	n
13C-HxCB-169	205334344	1.29 y	35:60	0.74	100.00	0.5	n
HxCB-169	107292072	1.26 y	36:01	1.05	50.00	5.6	n
13C-HpCB-180	166447688	1.03 y	34:48	0.60	100.00	2.2	n
HpCB-180	98089292	1.09 y	34:49	1.18	50.00	-6.8	n
13C-HpCB-170	136467972	1.04 y	36:27	0.49	100.00	3.2	n
HpCB-170/190	100346068	1.09 y	36:28	1.47	50.00	-8.5	n
13C-HpCB-189	184469728	1.02 y	38:05	0.66	100.00	10.6	n
HpCB-189	106558080	1.07 y	38:06	1.16	50.00	-4.2	n
13C-DeCB-209	156114728	0.71 y	43:26	0.56	100.00	21.8	n
DECB-209	113224616	0.68 y	43:26	1.45	50.00	-3.6	n
13C-PeCB-111	300783848	0.65 y	25:51	1.29	100.00	-4.7	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
01MY099D5	1	ST0501	09DXN209				1.00000	
01MY099D5	2	ST0501A	CS3 G9DXN016				1.00000	
01MY099D5	3	SB0501	Solvent Blank C-12				1.00000	
01MY099D5	4	LAKA6-1-AC	G9D220326-1(10X)	20	1668/WASTE	36	0.10600	g
01MY099D5	5	LAT8P-1-AA	G9D030340-MB	20	1668/SOLID	37	10.00000	g
01MY099D5	6	LAT8P-1-AC	G9D030340-LCS	20	1668/SOLID		10.00000	g
01MY099D5	7	K9LEP-1-AC	G9D030340-1	20	1668/SOLID		10.00000	g
01MY099D5	8	K9LEQ-1-AC	G9D030340-2	20	1668/SOLID		10.18000	g
01MY099D5	9	K9LER-1-AC	G9D030340-3 <i>10X</i>	20	1668/SOLID		10.43000	g
01MY099D5	10	K9LET-1-AC	G9D030340-4	20	1668/SOLID		10.21000	g
01MY099D5	11	K9LEV-1-AC	G9D030340-5	20	1668/SOLID		10.06000	g
01MY099D5	12	K9L38-1-AC	G9D040182-1	20	1668/SOLID		10.01500	g
01MY099D5	13	K9L39-1-AC	G9D040182-2	20	1668/SOLID		10.25000	g
01MY099D5	14	K9L4A-1-AC	G9D040182-3	20	1668/SOLID		10.07000	g
01MY099D5	15	SB0501B	Solvent Blank C-12				1.00000	
01MY099D5	16	ST0501B	09DXN209				1.00000	
01MY099D5	17	ST0501C	CS3 09DXN016				1.00000	
01MY099D5	18	SB0501C	Solvent Blank C-12				1.00000	
01MY099D5	19	LAJ7L-1-AA	G9D210223-MB	20	1668/AIR	32	0.50000	SAM
01MY099D5	20	LAJ7L-1-AC	G9D210223-LCS	20	1668/AIR		0.50000	SAM
01MY099D5	21	LAJ7L-1-AD	G9D210223-DCS	20	1668/AIR		0.50000	SAM
01MY099D5	22	LAF43-1-AC	G9D210223-1	20	1668/AIR		0.50000	SAM
01MY099D5	23	LAF47-1-AC	G9D210223-2	20	1668/AIR		0.50000	SAM
01MY099D5	24	PCB PT QC	G9B020194-201	20	1668/WATER	35	1.00000	mL
01MY099D5	25	K9LEP-1-AC	G9D030340-1 RI	20	1668/SOLID	37	10.00000	g
01MY099D5	26	K9LEQ-1-AC	G9D030340-2 RI	20	1668/SOLID		10.18000	g
01MY099D5	27	K9LER-1-AC	G9D030340-3 RI	20	1668/SOLID		10.43000	g
01MY099D5	28	K9LET-1-AC	G9D030340-4 RI	20	1668/SOLID		10.21000	g
01MY099D5	29	K9LEV-1-AC	G9D030340-5 RI	20	1668/SOLID		10.06000	g
01MY099D5	30	K9490-1-AE	F9D150204-1(10X)	20	1668/SOLID	37	1.00000	g
01MY099D5	31						1.00000	
01MY099D5	32						1.00000	
01MY099D5	33						1.00000	
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01MY099D5	35		KAS, AM 05-01-09				1.00000	
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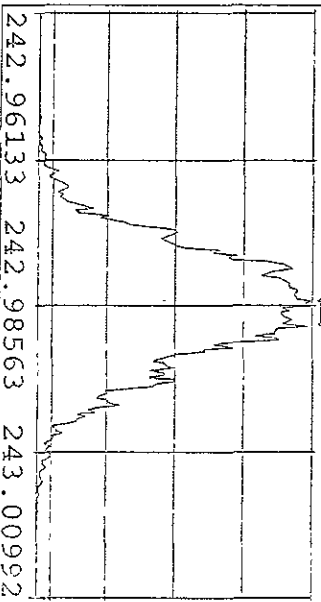
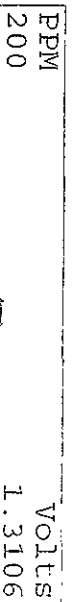
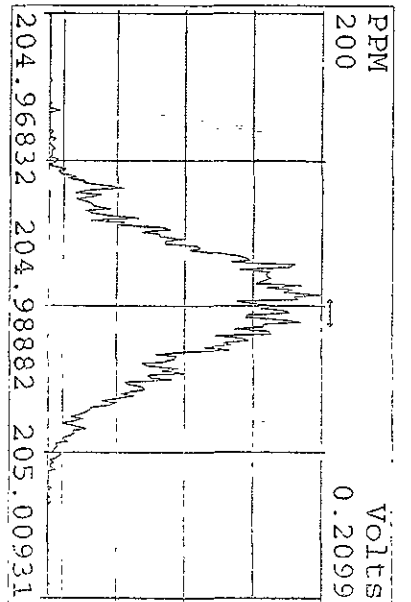
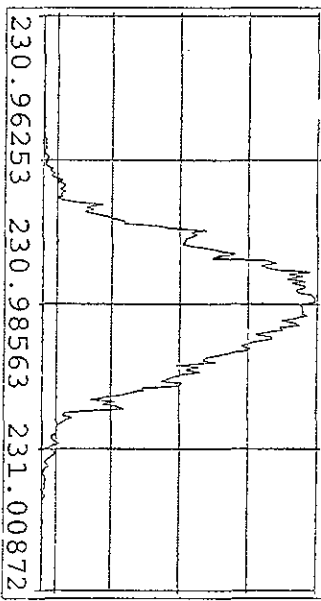
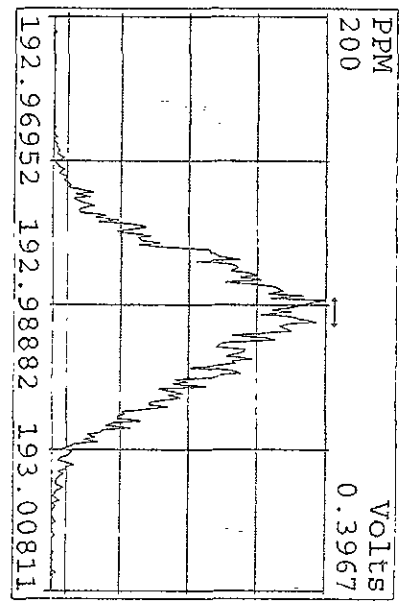
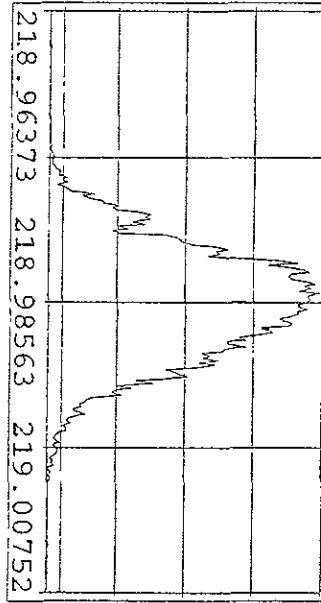
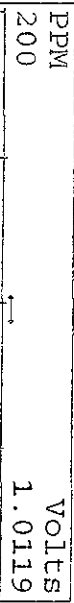
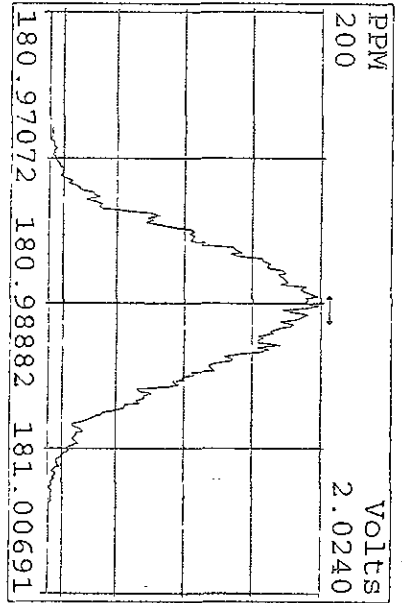
Peak Locate Examination: 1-MAY-2009:12:46 File:01MY099D5  
 Experiment:209DB5 Function:1 Reference:PFK



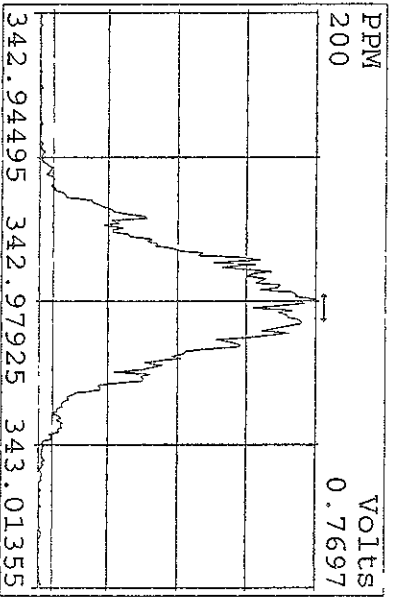
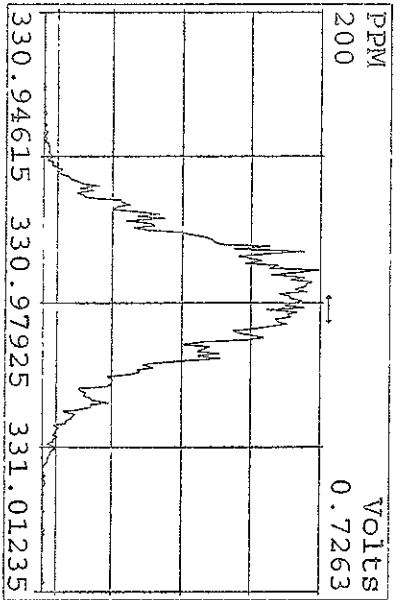
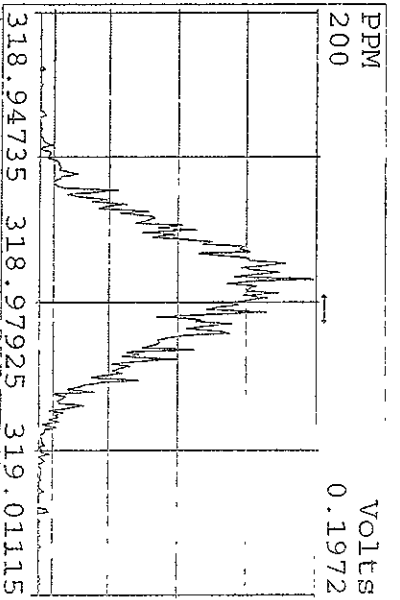
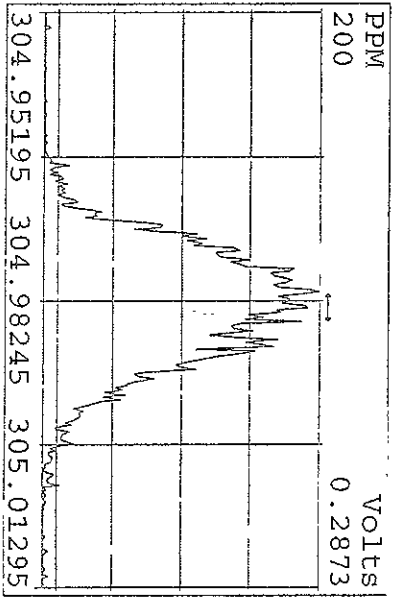
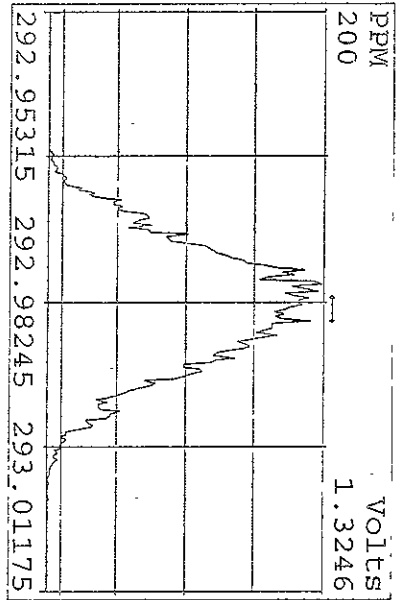
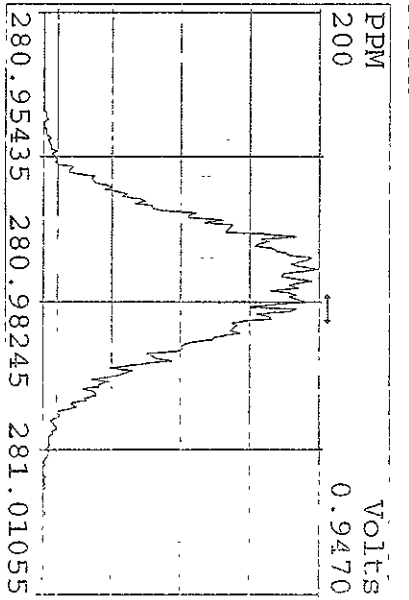
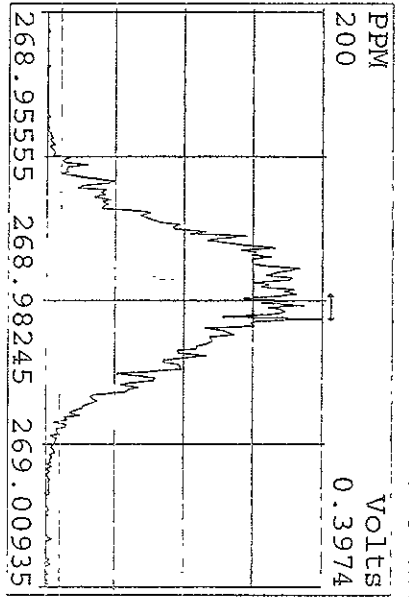
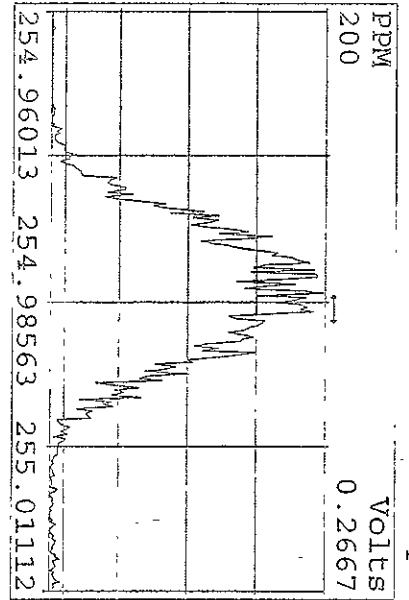
Peak Locate Examination: 1-MAY-2009:12:46 File:01MY099D5  
Experiment:209DB5 Function:1 Reference:PFK



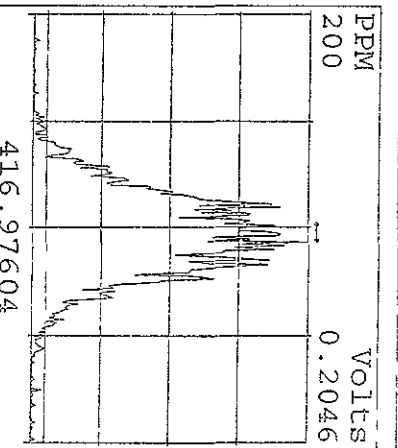
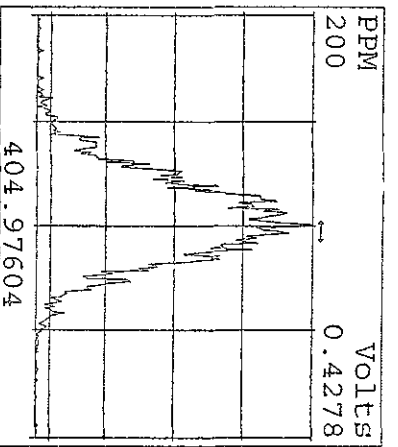
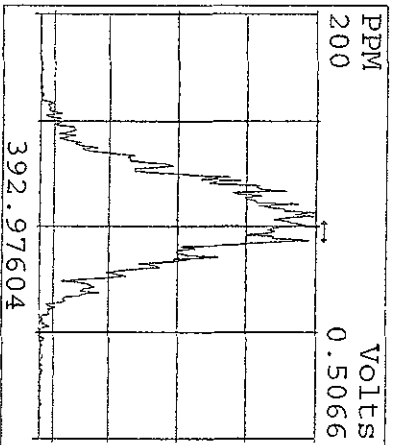
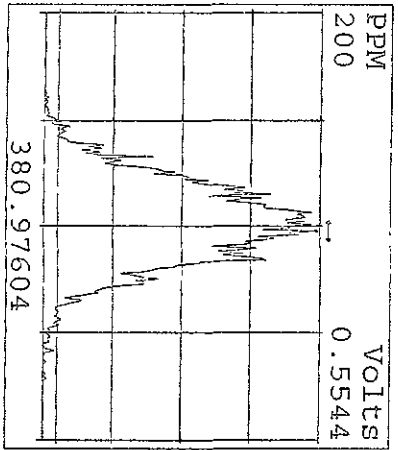
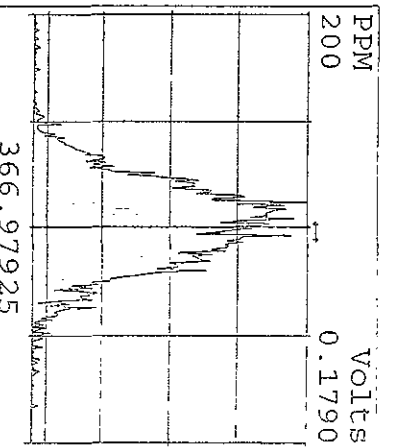
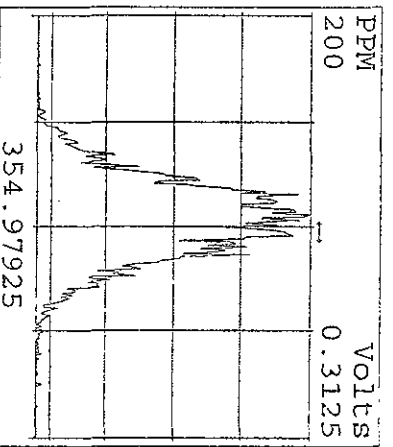
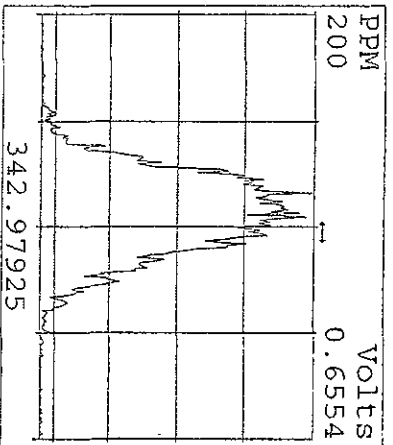
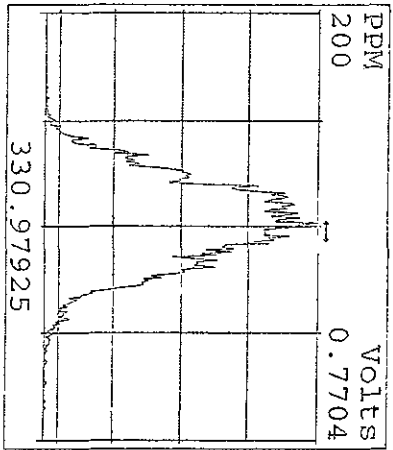
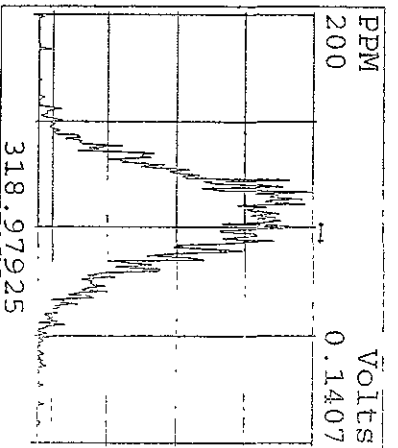
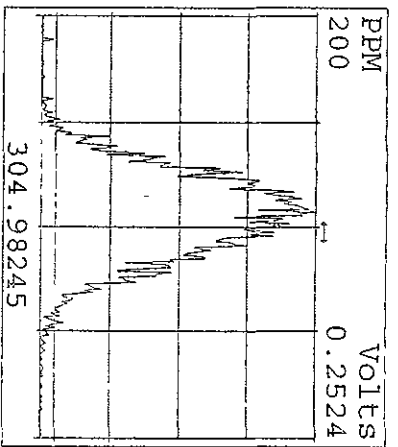
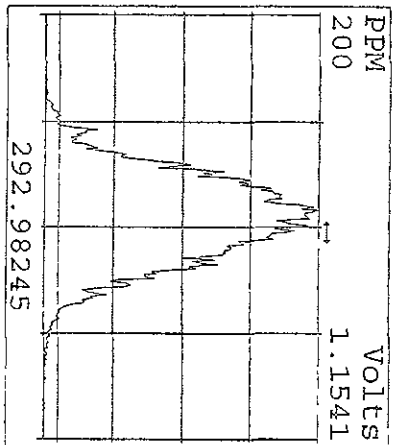
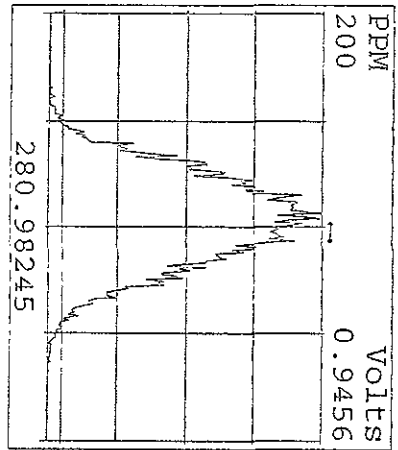
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 Experiment:209DB5 Function:1 Reference:PFK



Peak Locate Examination: 1-MAY-2009:12:47 File:01MY099D5  
 Experiment:209DB5 Function:2 Reference:PKK

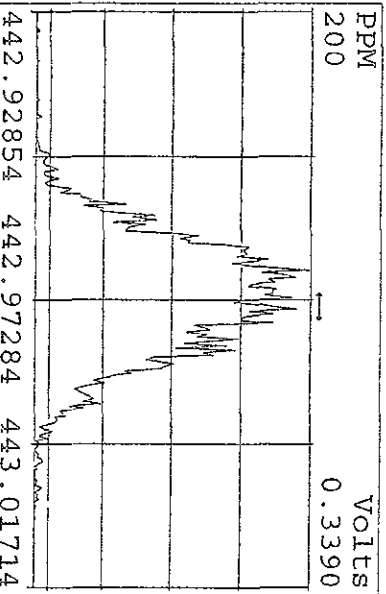
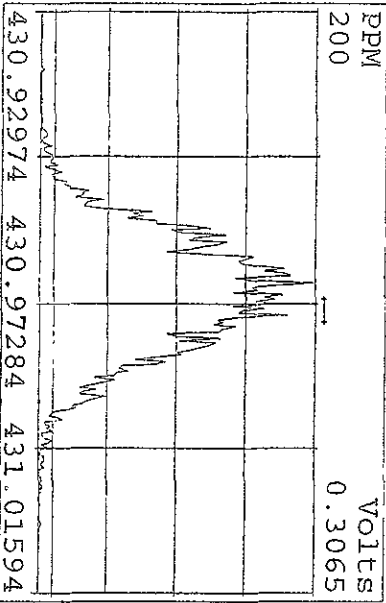
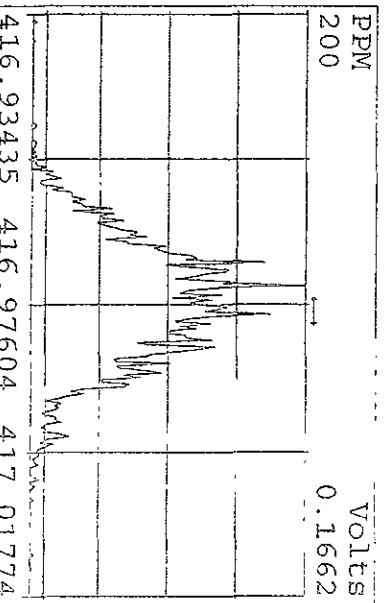
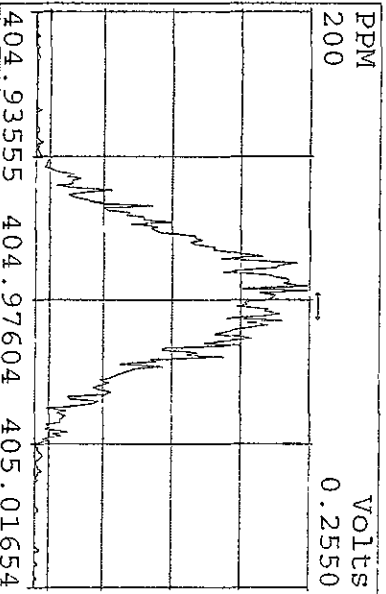
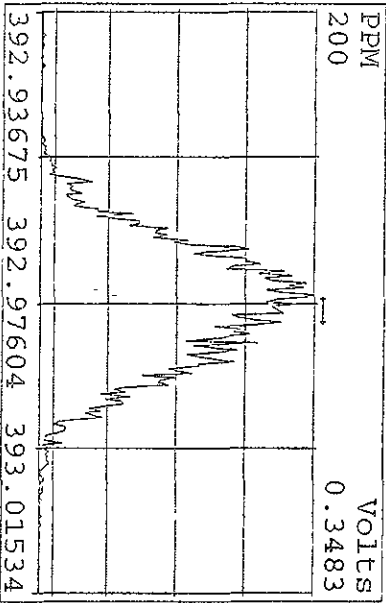
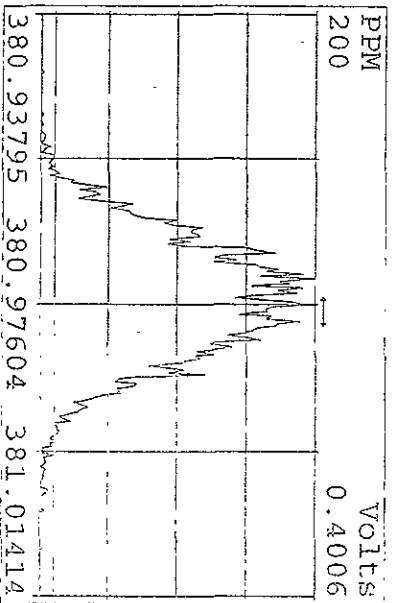
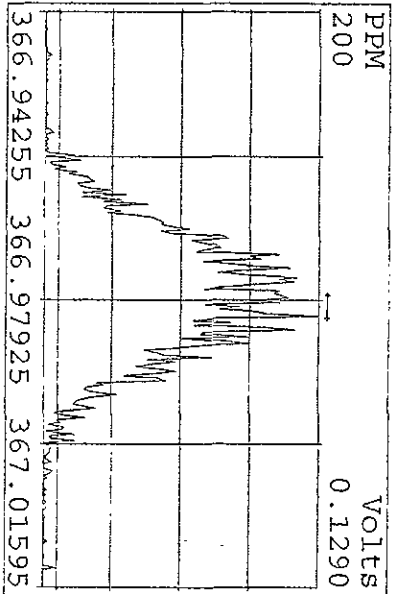
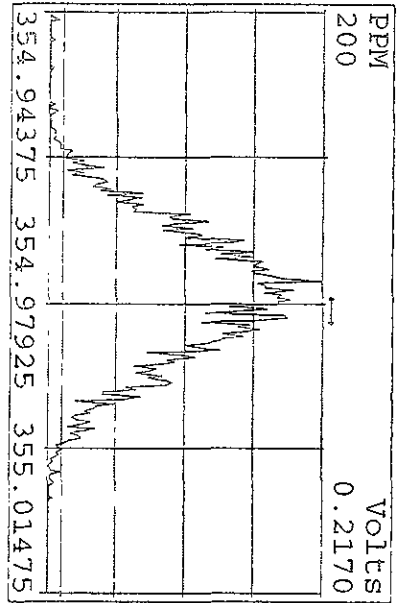


Peak Locate Examination: 1-MAY-2009:12:47 File:01MY099D5  
Experiment:209DB5 Function:3 Reference:PFK

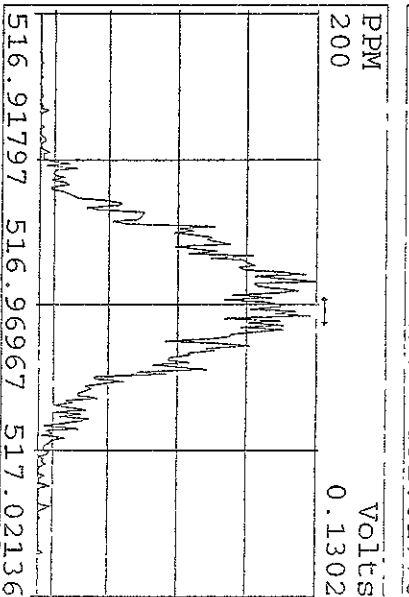
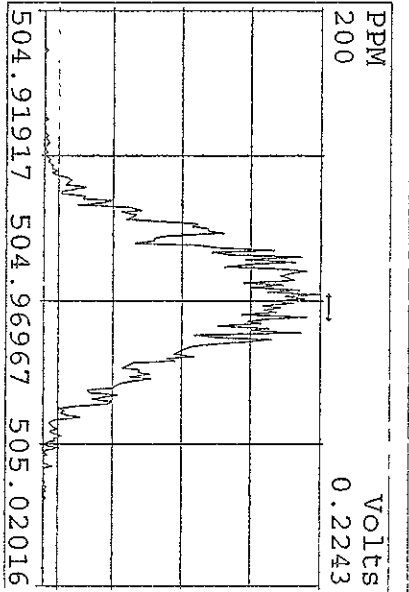
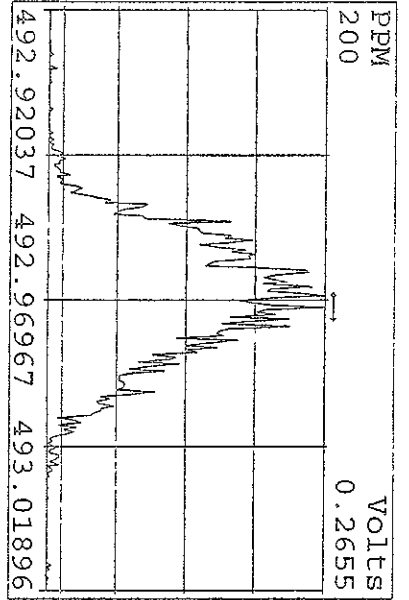
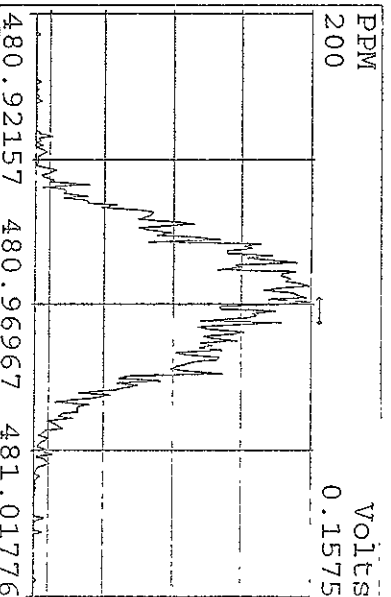
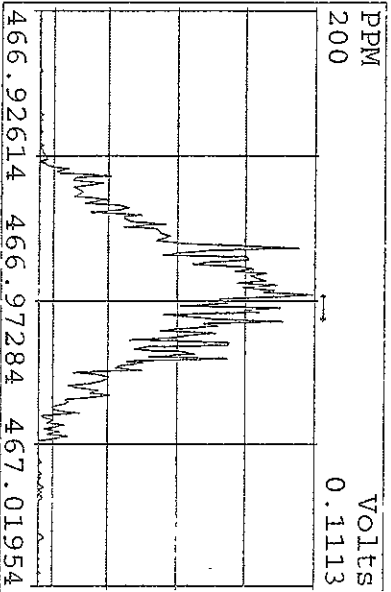
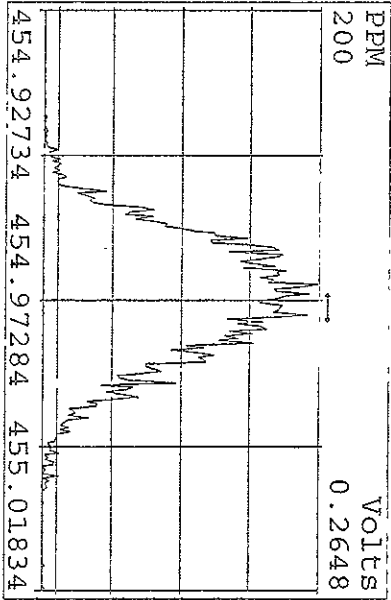
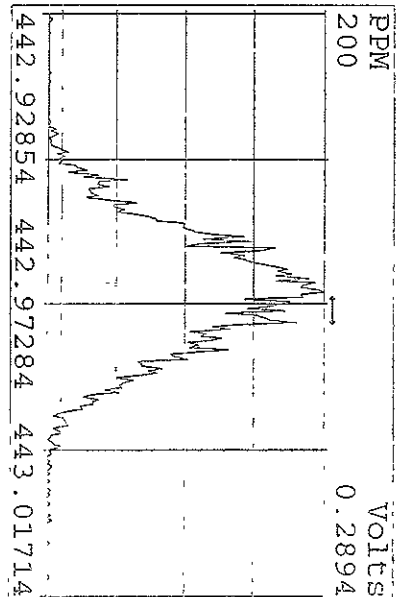
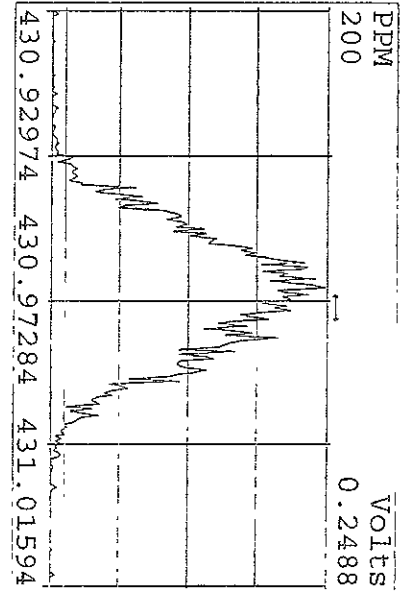
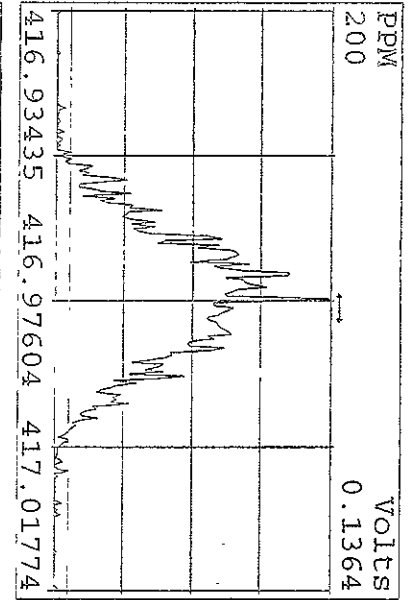




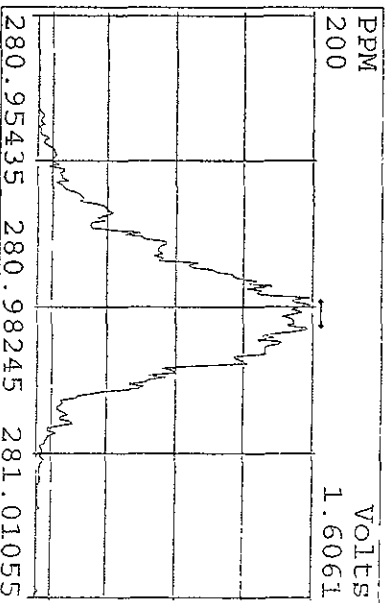
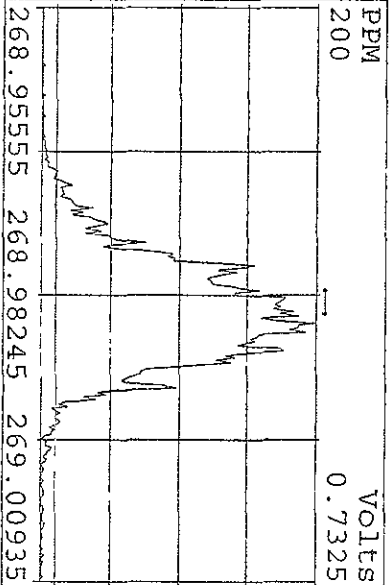
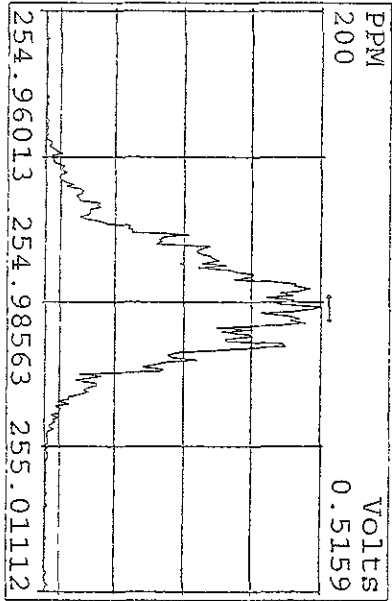
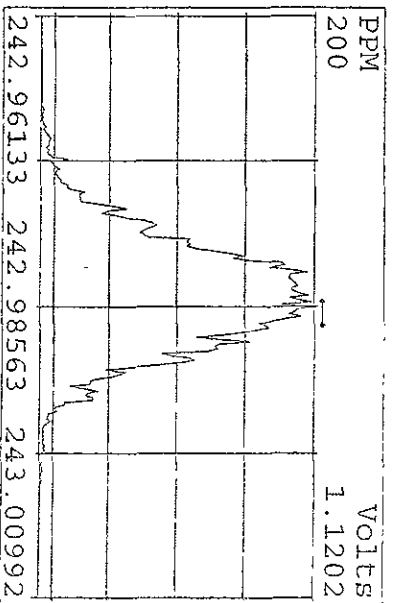
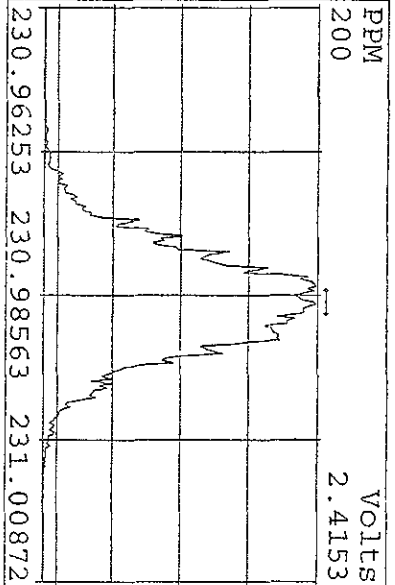
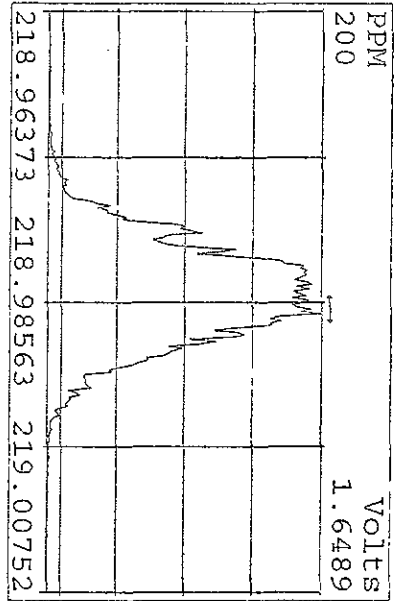
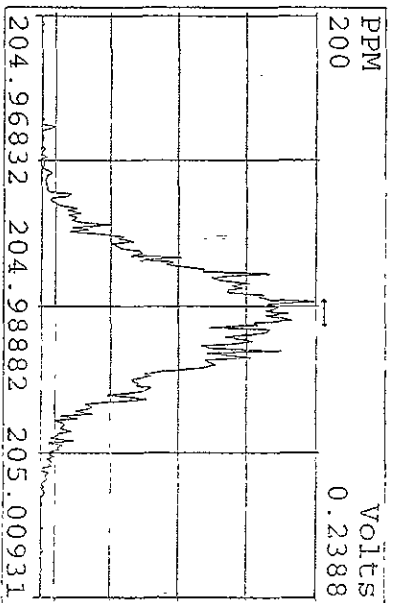
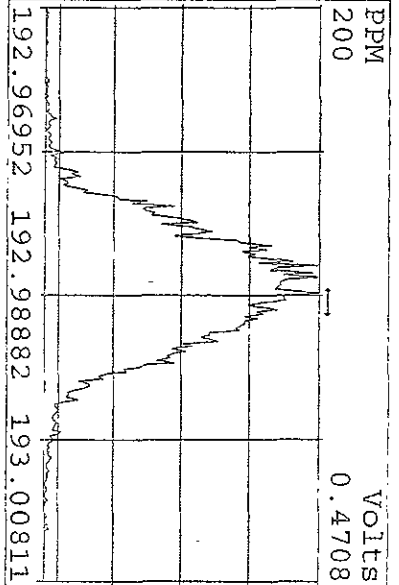
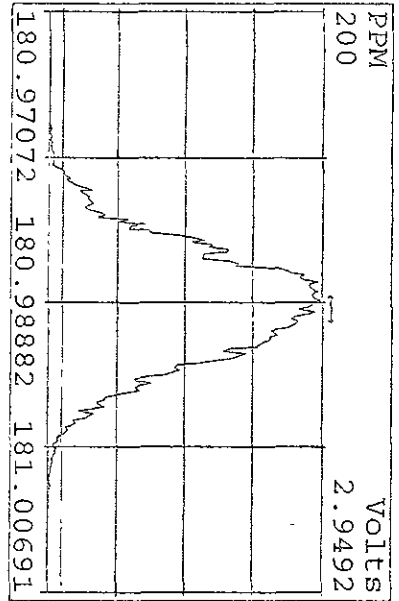
Peak Locate Examination: 1-MAY-2009:12:47 File:01MY099D5  
 Experiment:209DB5 Function:4 Reference:PFK



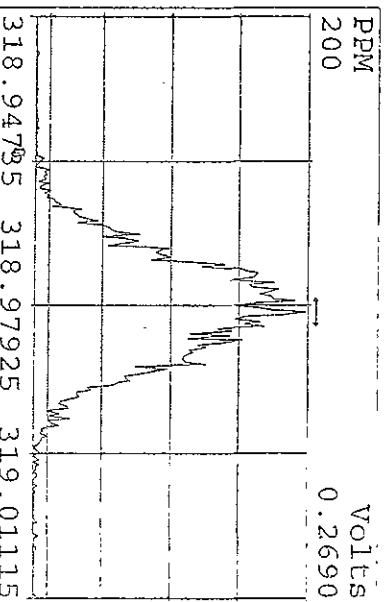
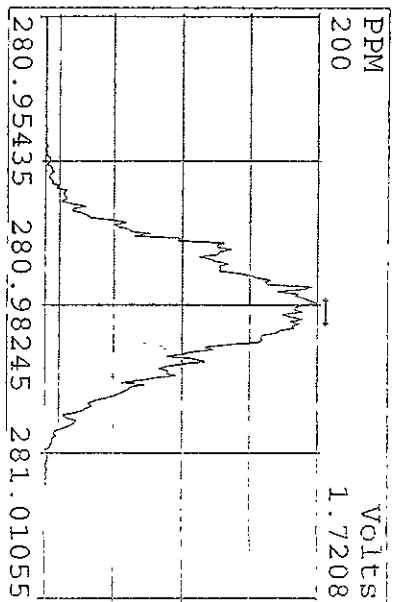
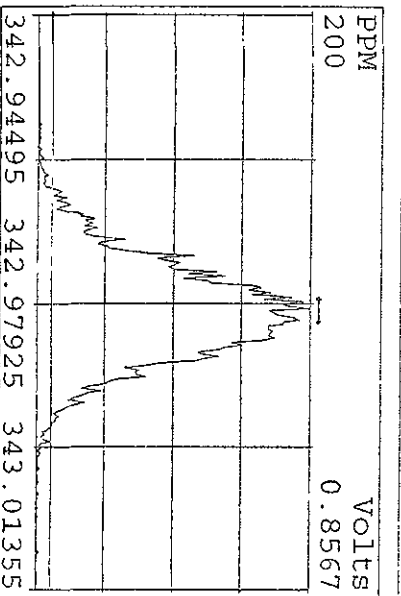
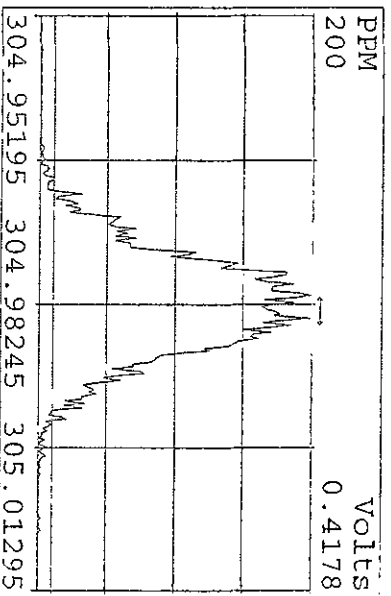
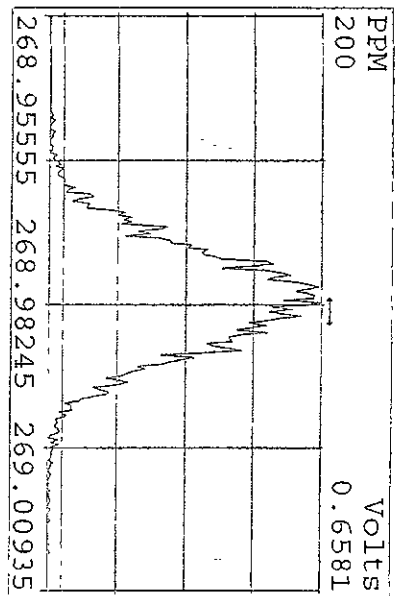
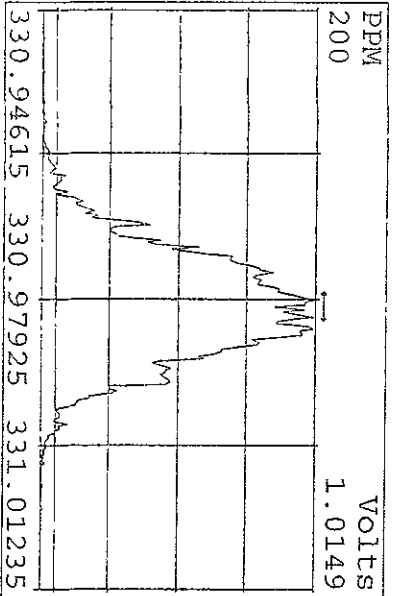
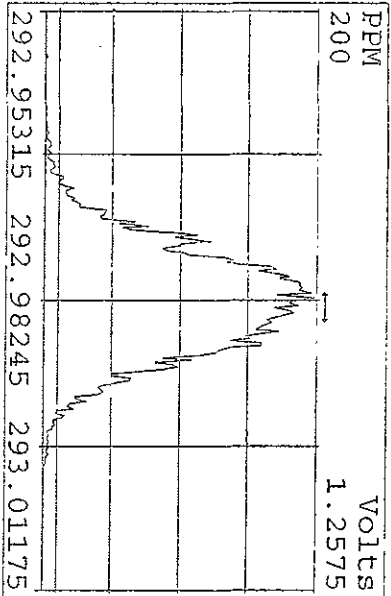
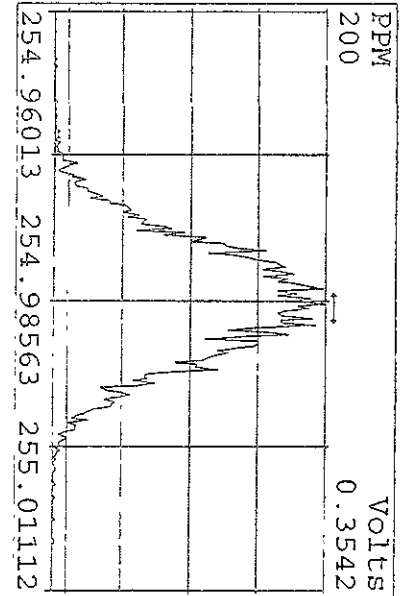
Peak Locate Examination: 1-MAY-2009:12:48 File:01MY099D5  
Experiment:209DB5 Function:5 Reference:PFK



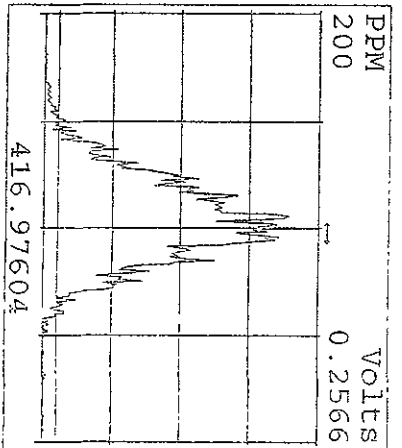
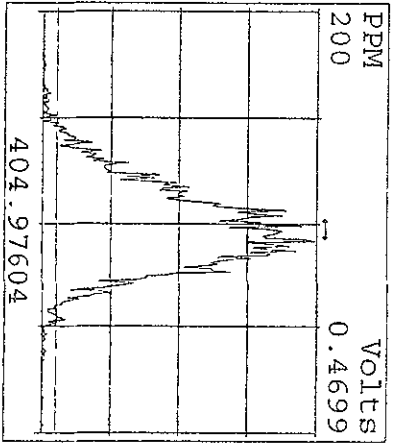
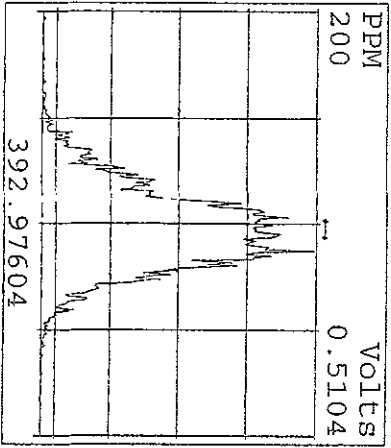
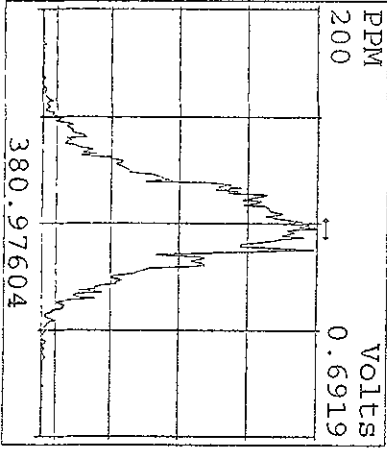
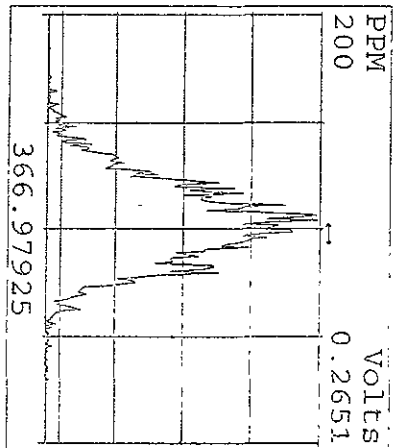
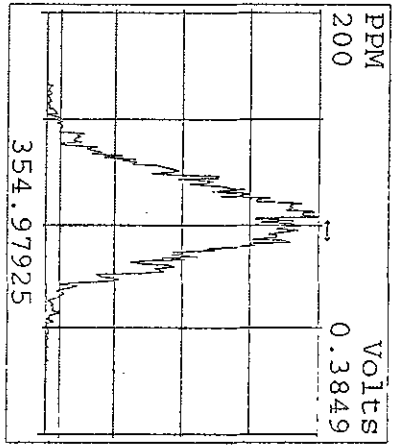
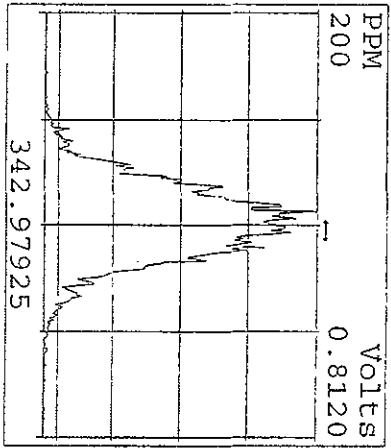
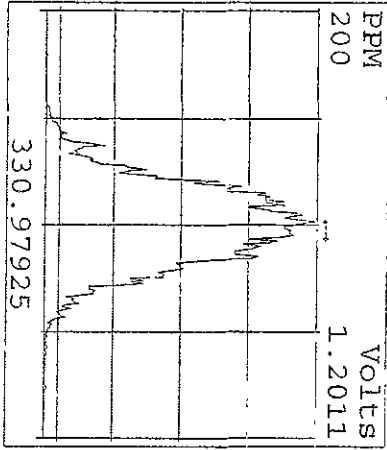
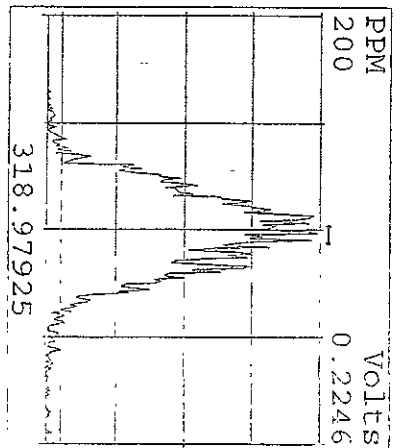
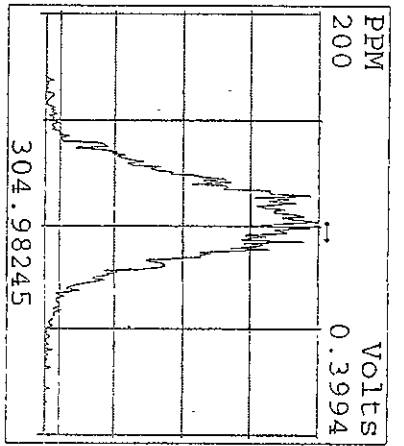
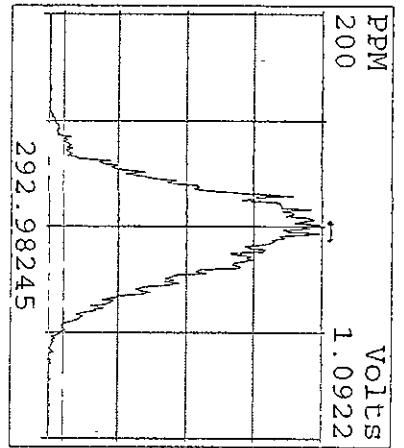
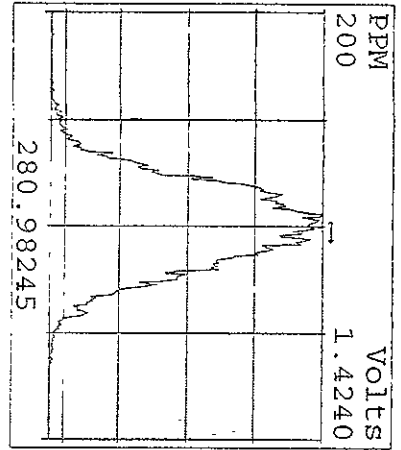
Peak Locate Examination: 3-MAY-2009:20:14 File:01MY099D5ENDRES  
 Experiment:209DB5 Function:1 Reference:PFK



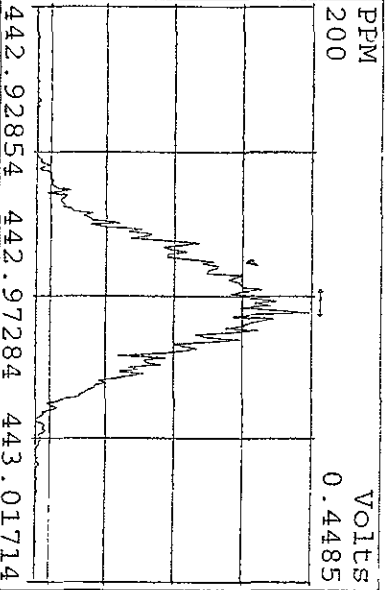
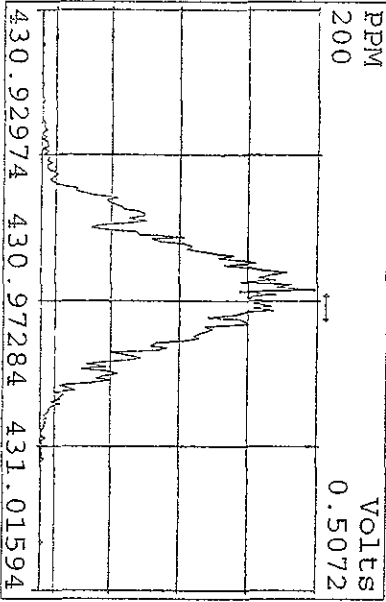
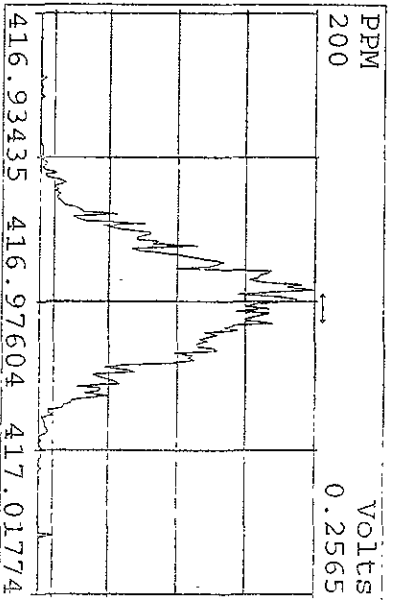
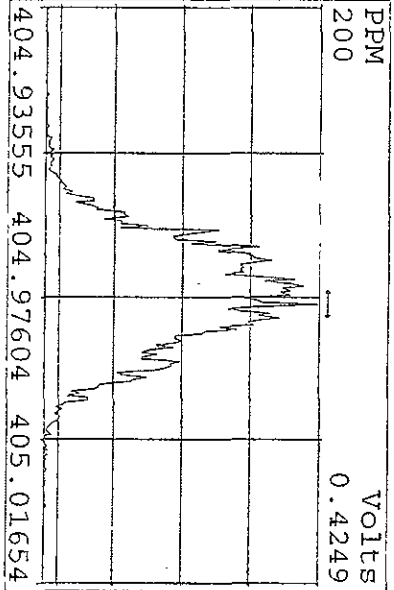
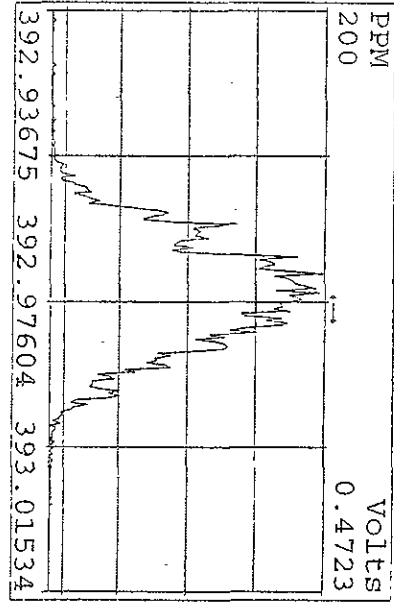
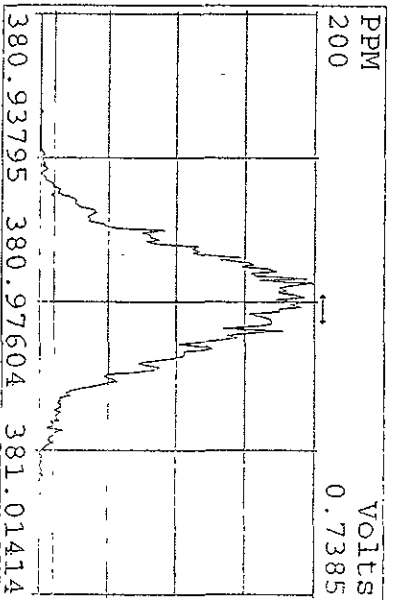
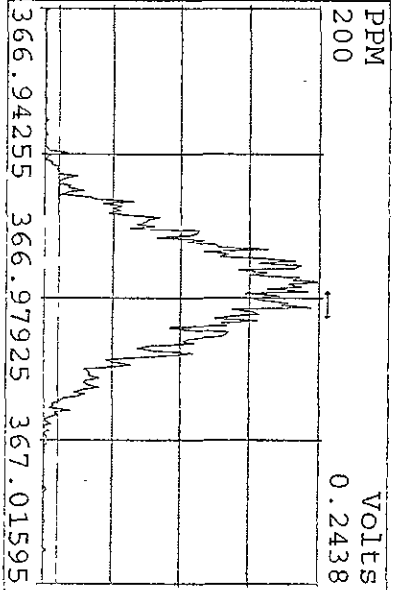
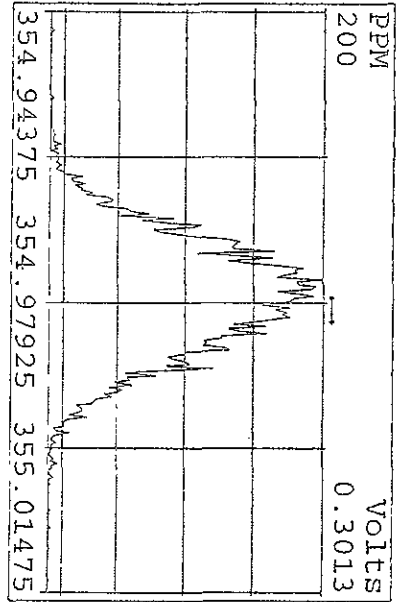
Peak Locate Examination: 3-MAY-2009:20:15 File:01MY099D5ENDRES  
 Experiment:209DB5 Function:2 Reference:PKK



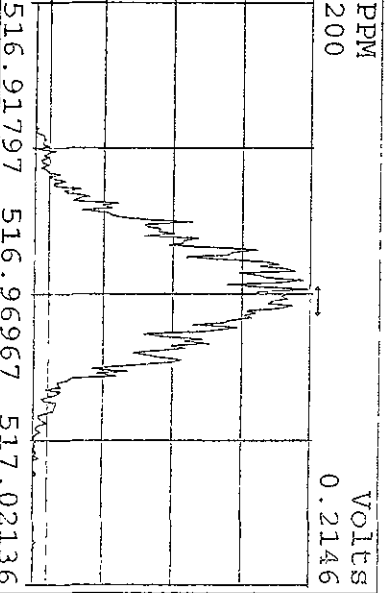
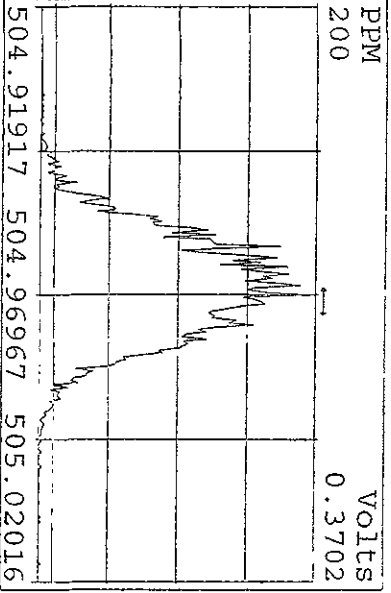
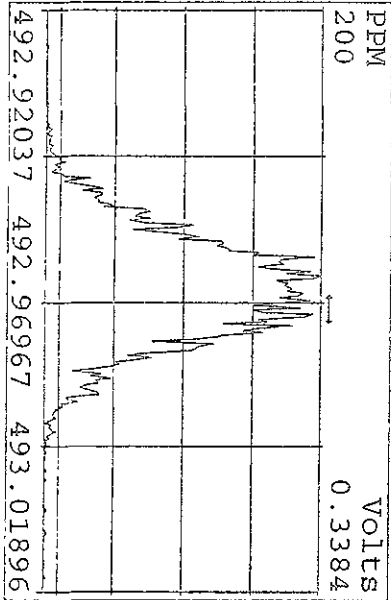
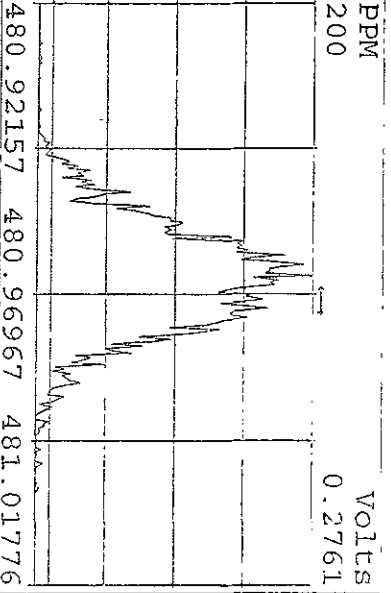
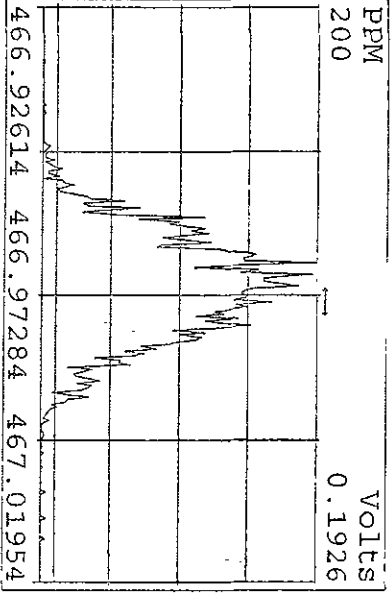
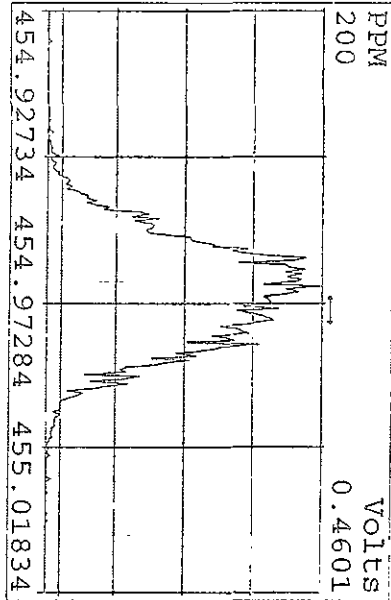
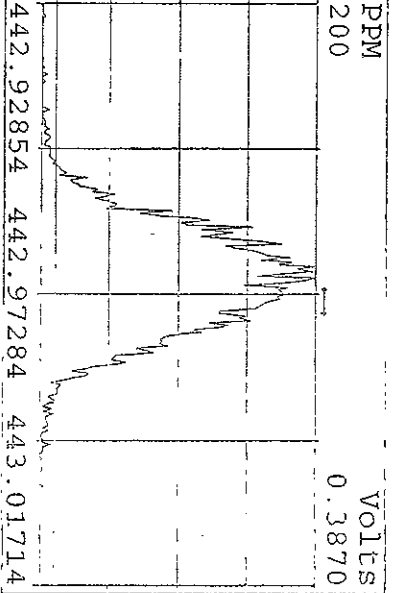
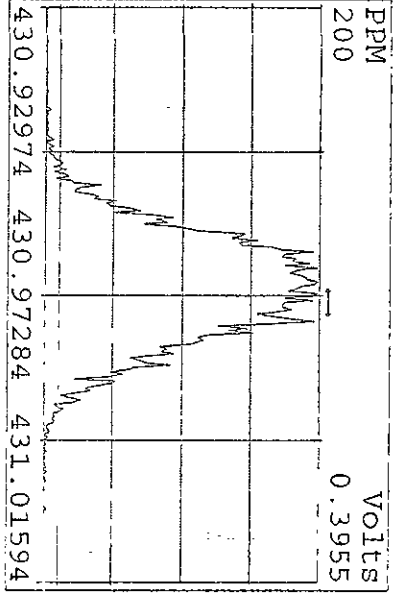
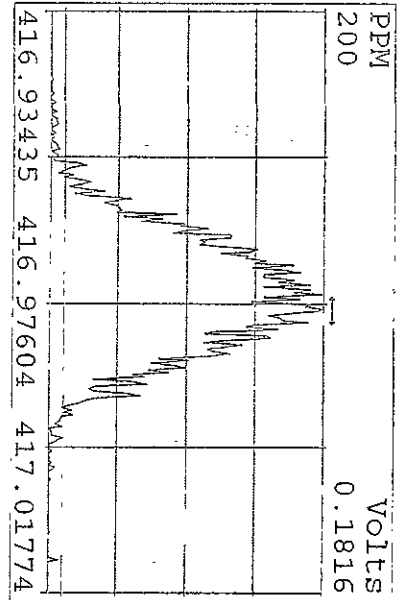
Peak Locate Examination: 3-MAY-2009:20:15 File:01MY099D5ENDRES  
Experiment:209DB5 Function:3 Reference:PFK



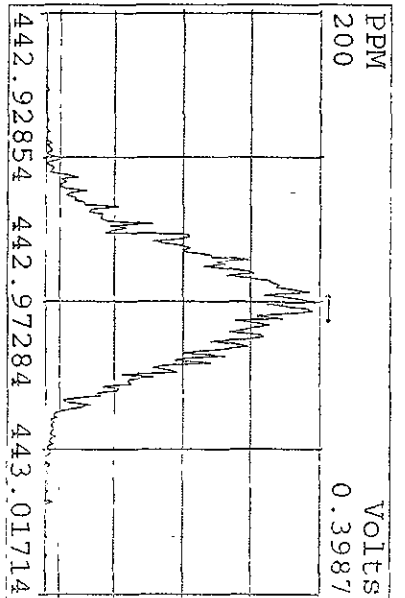
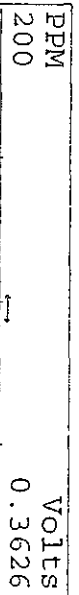
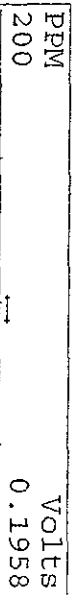
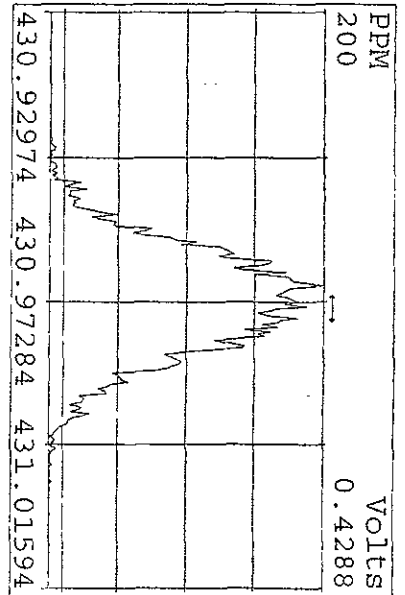
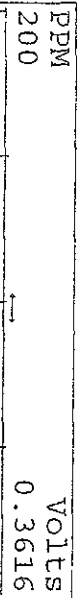
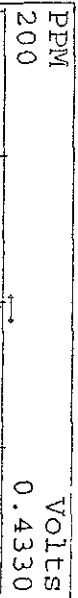
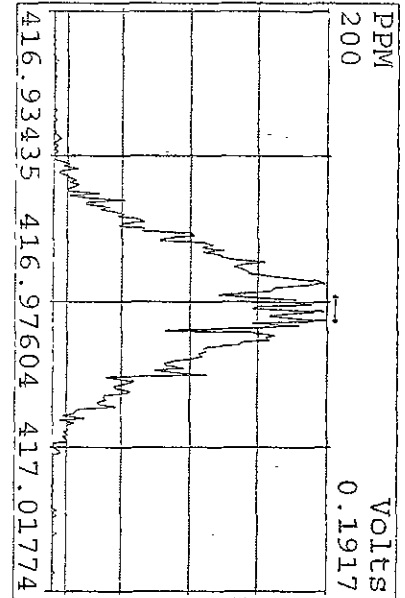
Peak Locate Examination: 3-MAY-2009:20:15 File:01MY099D5ENDRES  
 Experiment:209DB5 Function:4 Reference:PFK



Peak Locate Examination: 3-MAY-2009:20:16 File:01MY099D5ENDRES  
 Experiment:209DB5 Function:5 Reference:PFK

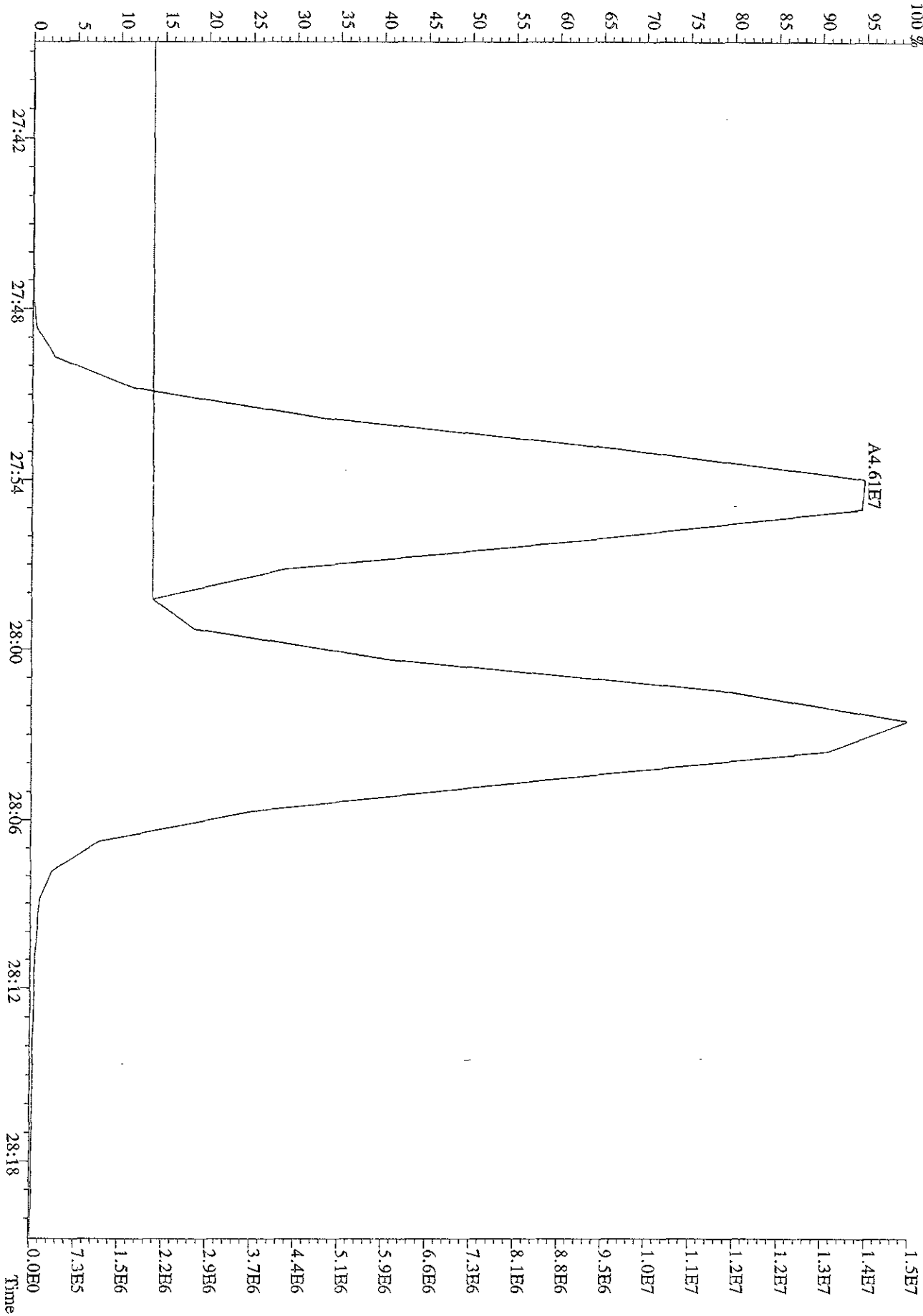


Peak Locate Examination: 3-MAY-2009:20:16 File:01MY099D5ENDRES  
 Experiment:209DB5 Function:5 Reference:PFK





File:01MAY09D5 #1-594 Acq:1-MAY-2009 13:39:48 GC HI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 323.8834 S:2 F:3



Run: 01MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

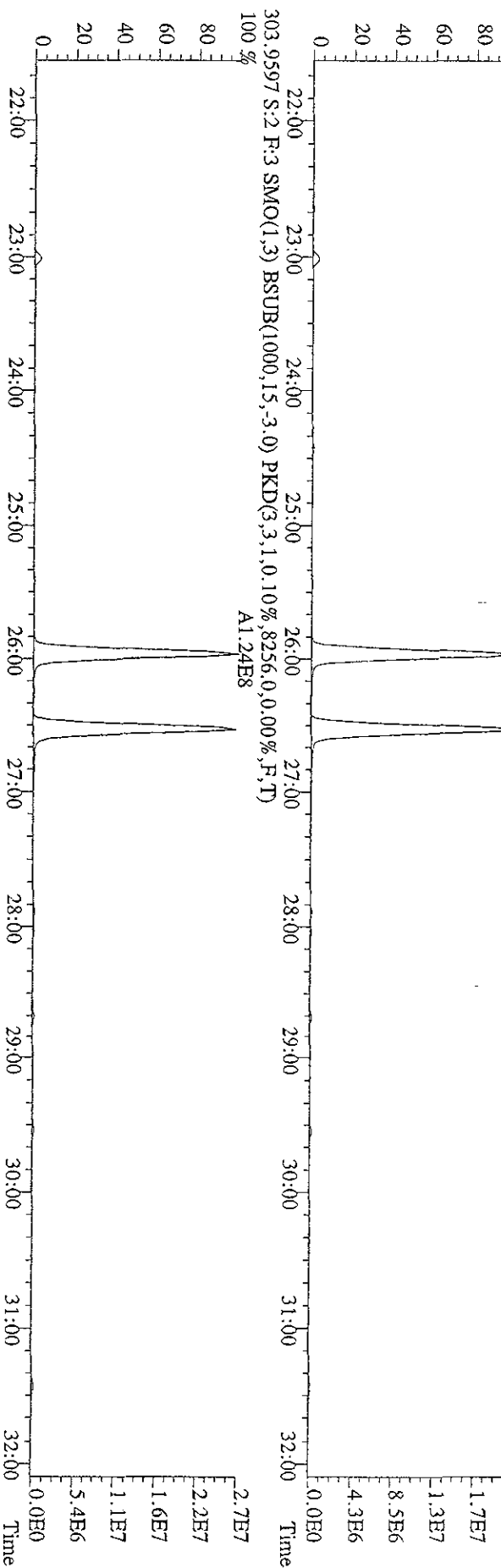
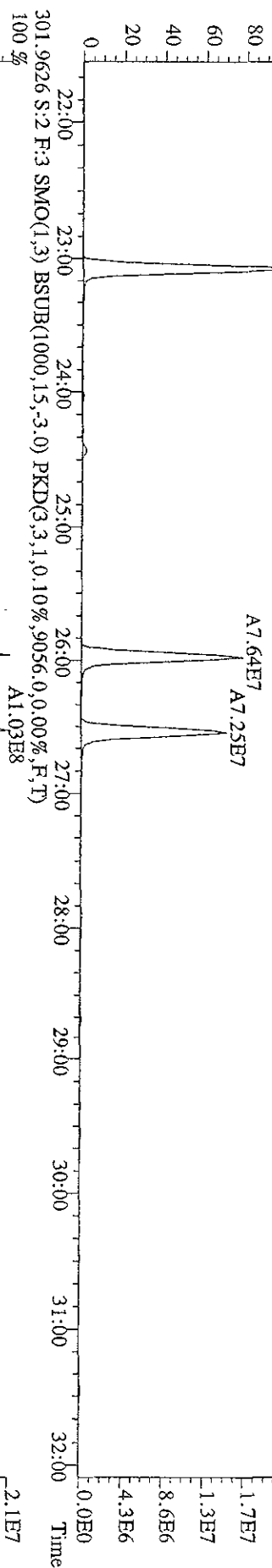
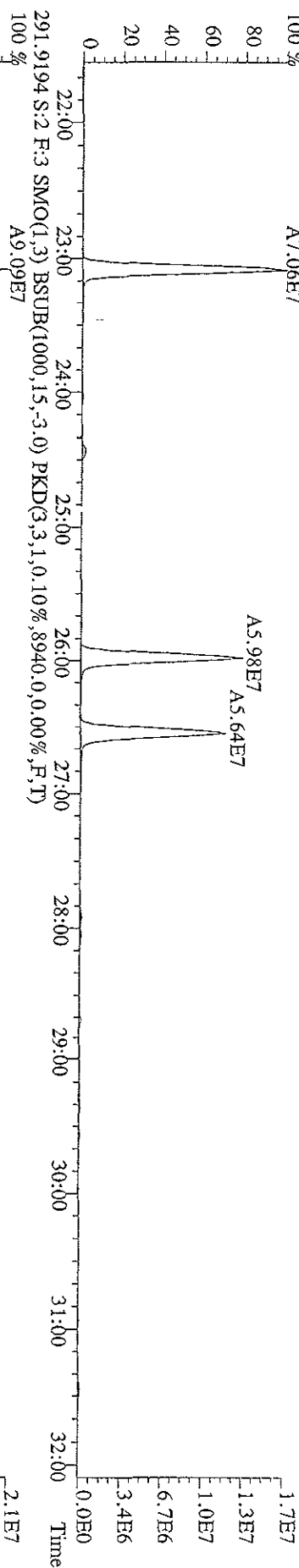
ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

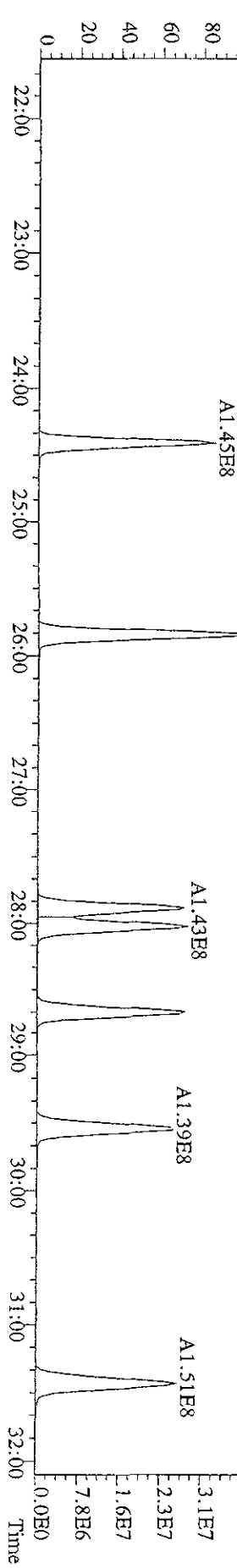
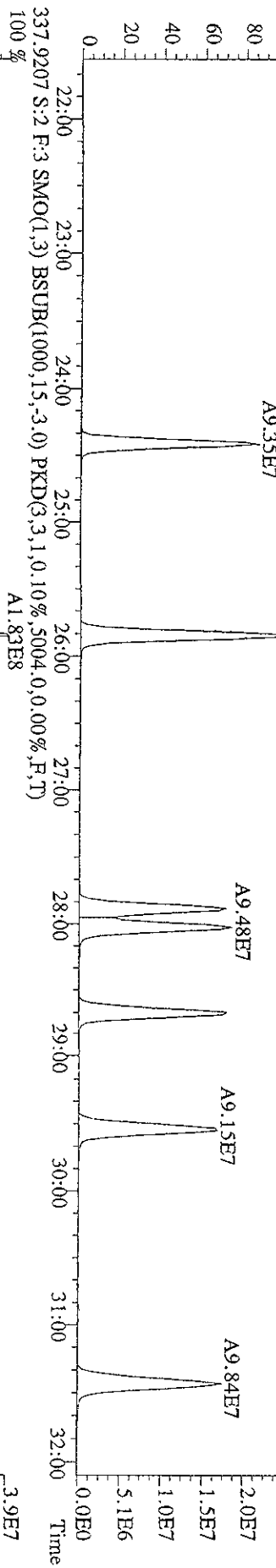
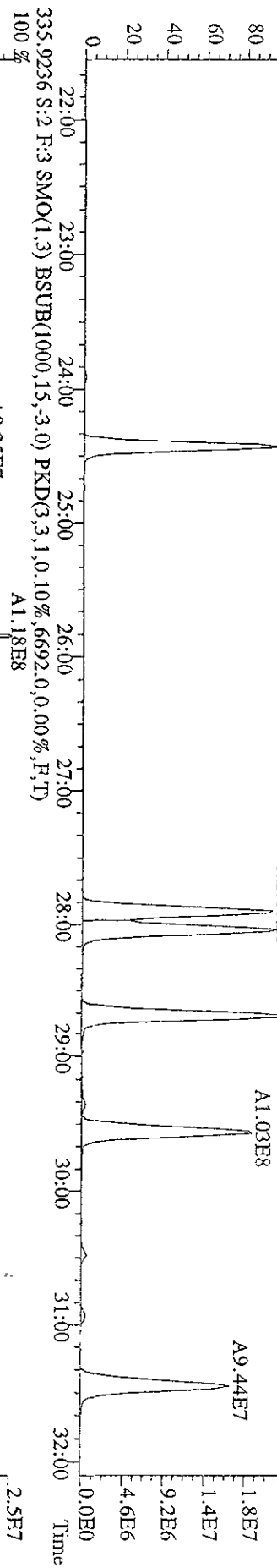
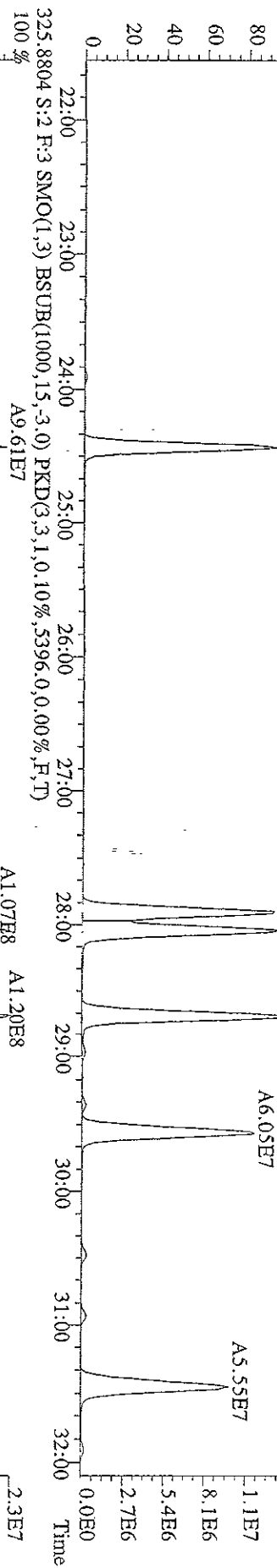
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-101	-	-	- %	-	-	-	-	-
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

File:01MAY09D5 #1-594 Acq: 1-MAY-2009 13:39:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,5828,0,0.00%,F,T)  
 100 % A7.06E7



File:01MYY099D5 #1-594 Acq: 1-MAY-2009 13:39:48 GC EI+ Voltage STR Autospec-UltimaB  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4380.0,0.00%,F,T)  
 100%



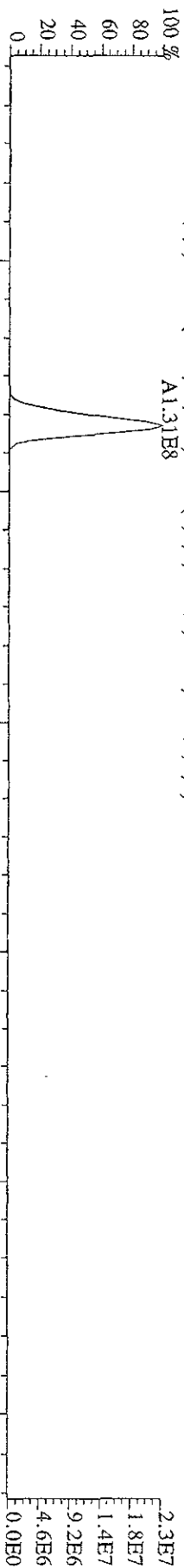
File:01MY0999D5 #1-381 Acq: 1-MAY-2009 13:39:48 GC EI+ Voltage SIR Autospec-Ultimate

Sample#2 Text:ST0501A :CS3 09DXN016

Exp:209DB5

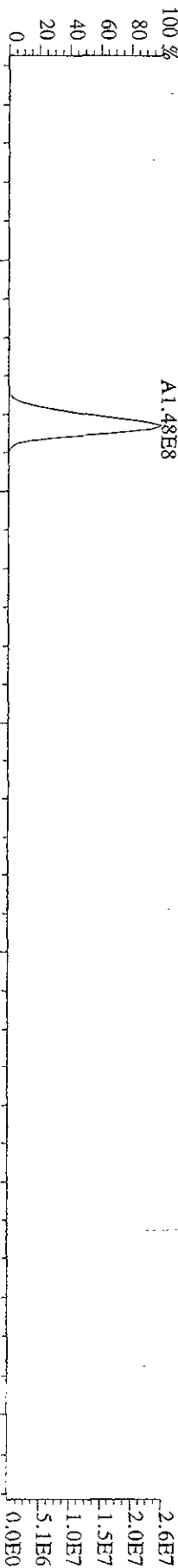
439.8038 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,732,0.0,0.00%,F,T)

A1.31E8

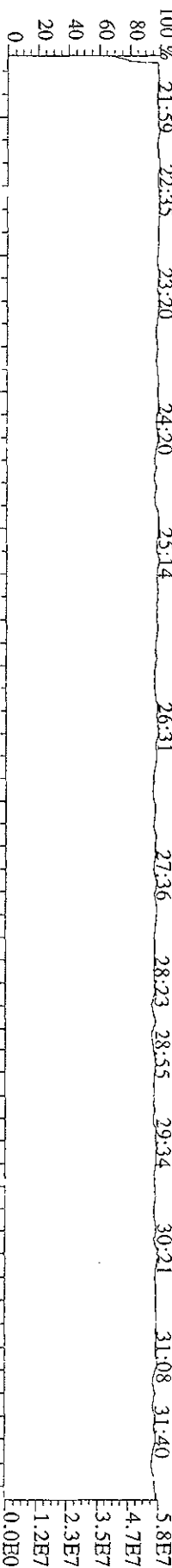


441.8008 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,560,0.0,0.00%,F,T)

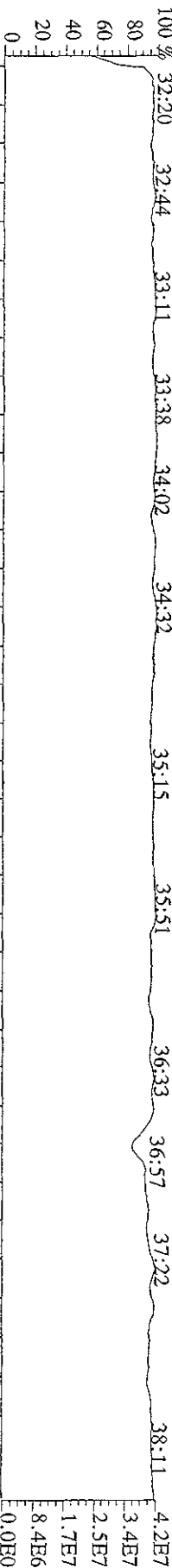
A1.48E8



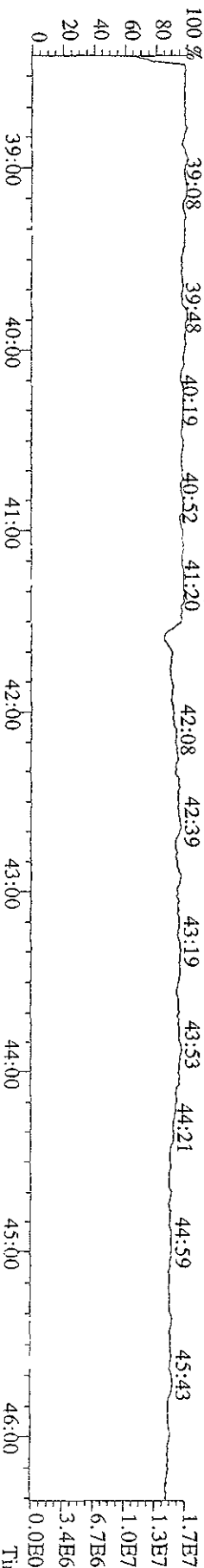
380.9760 S:2 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



380.9760 S:2 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



480.9696 S:2 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



File:01MY099D5 #1-381 Acq: 1-MAY-2009 13:39:48 GC EI+ Voltage SIR Autospec-UltimaE

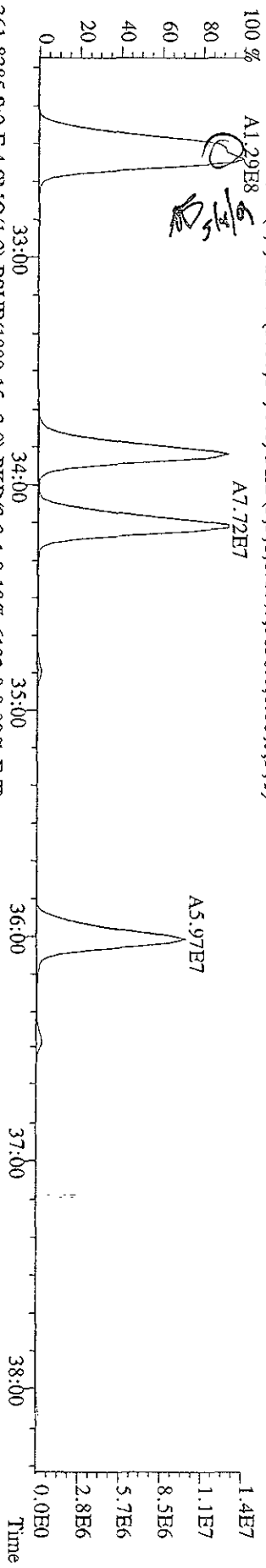
Sample#2 Text:ST0501A :CS3 09DXN016

Exp:209DB5

359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,5636.0,0.00%,F,T)

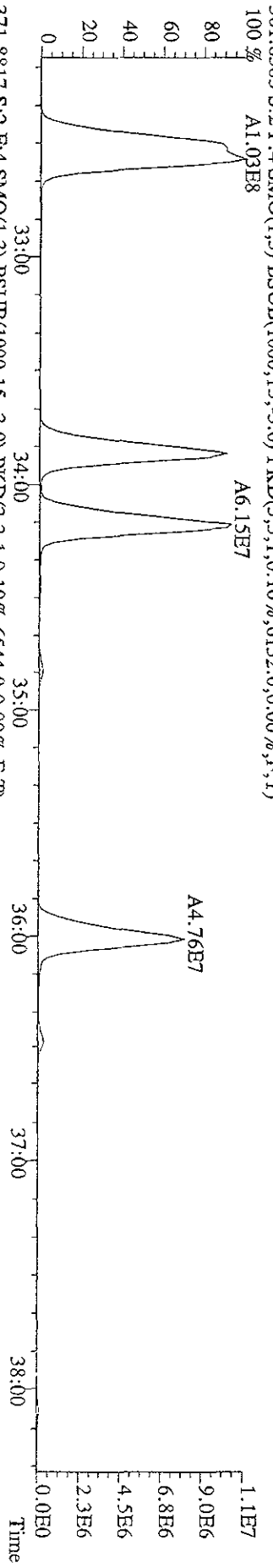
100% A1.29E8

*Handwritten: 6/1/09*



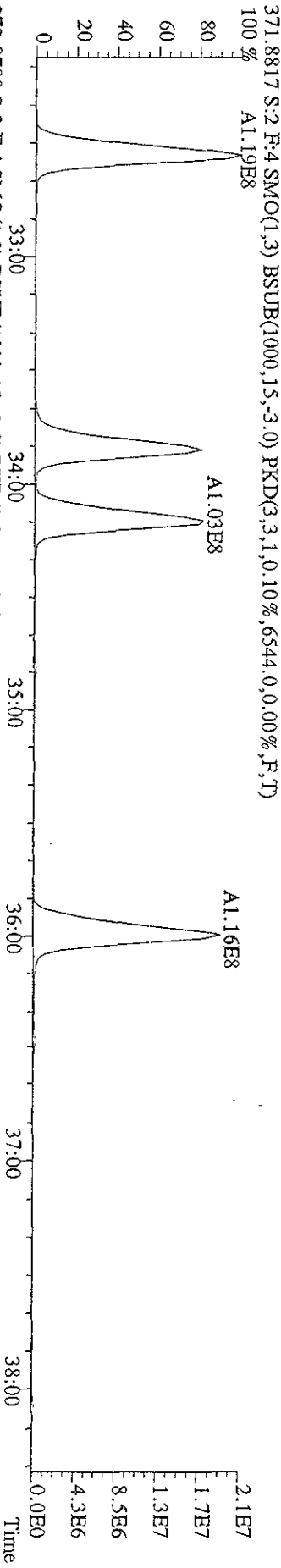
361.8385 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,6132.0,0.00%,F,T)

100% A1.03E8



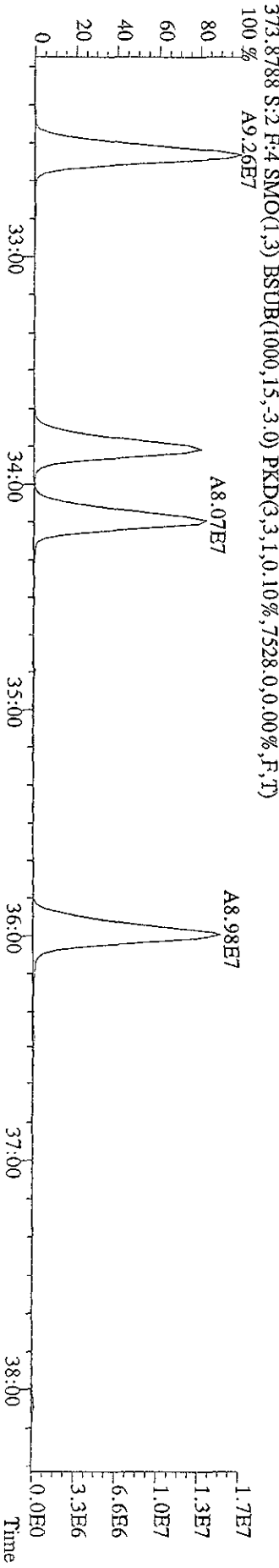
371.8817 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,6544.0,0.00%,F,T)

100% A1.19E8



373.8788 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,7528.0,0.00%,F,T)

100% A9.26E7

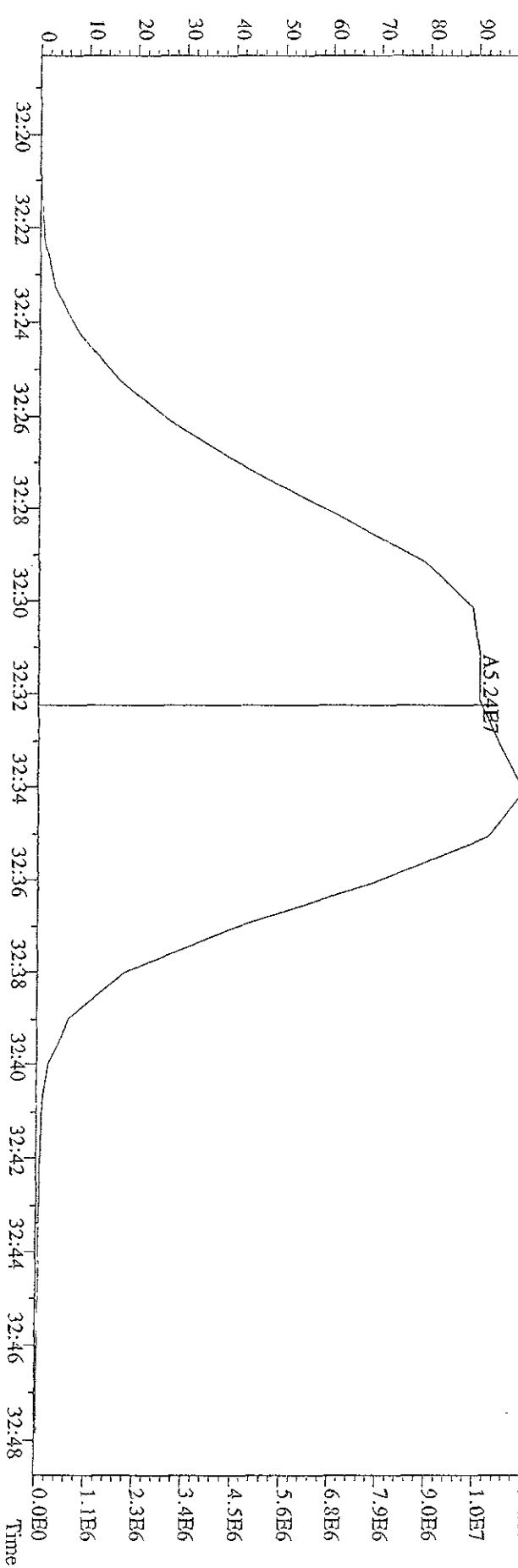
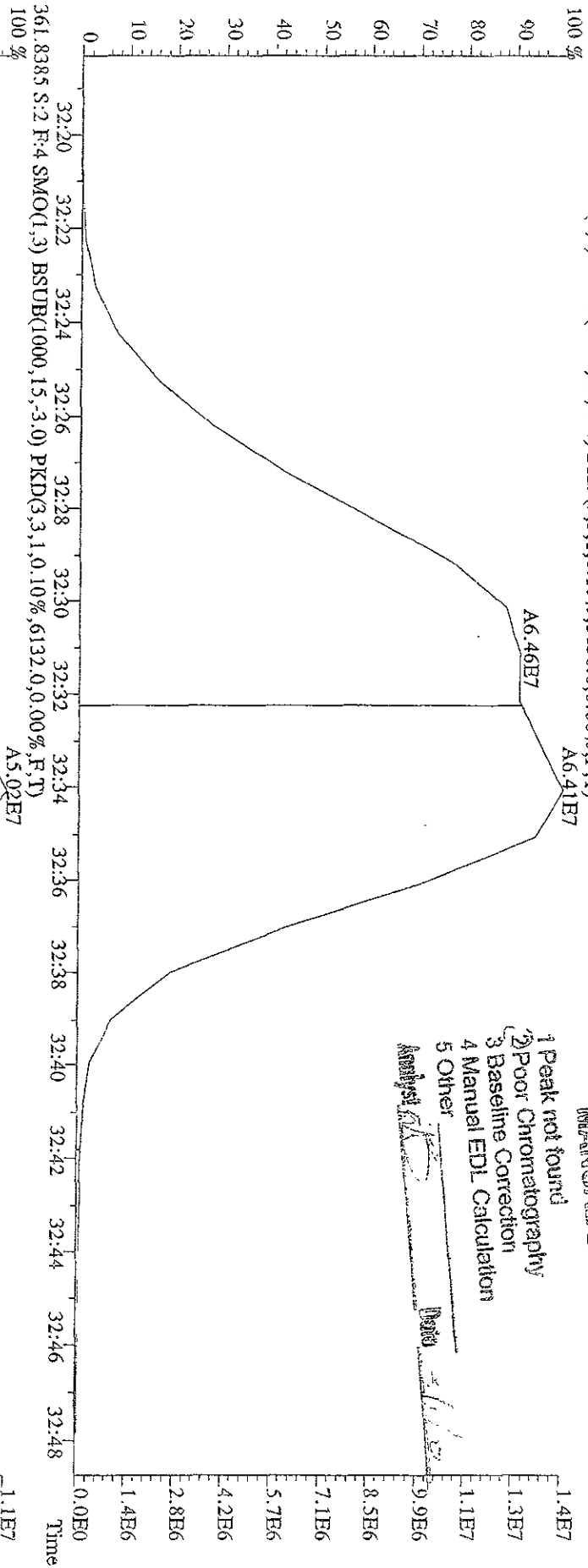


File: 01MAY09D5 #1-381 Acq: 1-MAY-2009 13:39:48 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5636.0,0.00%,F,T)

**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

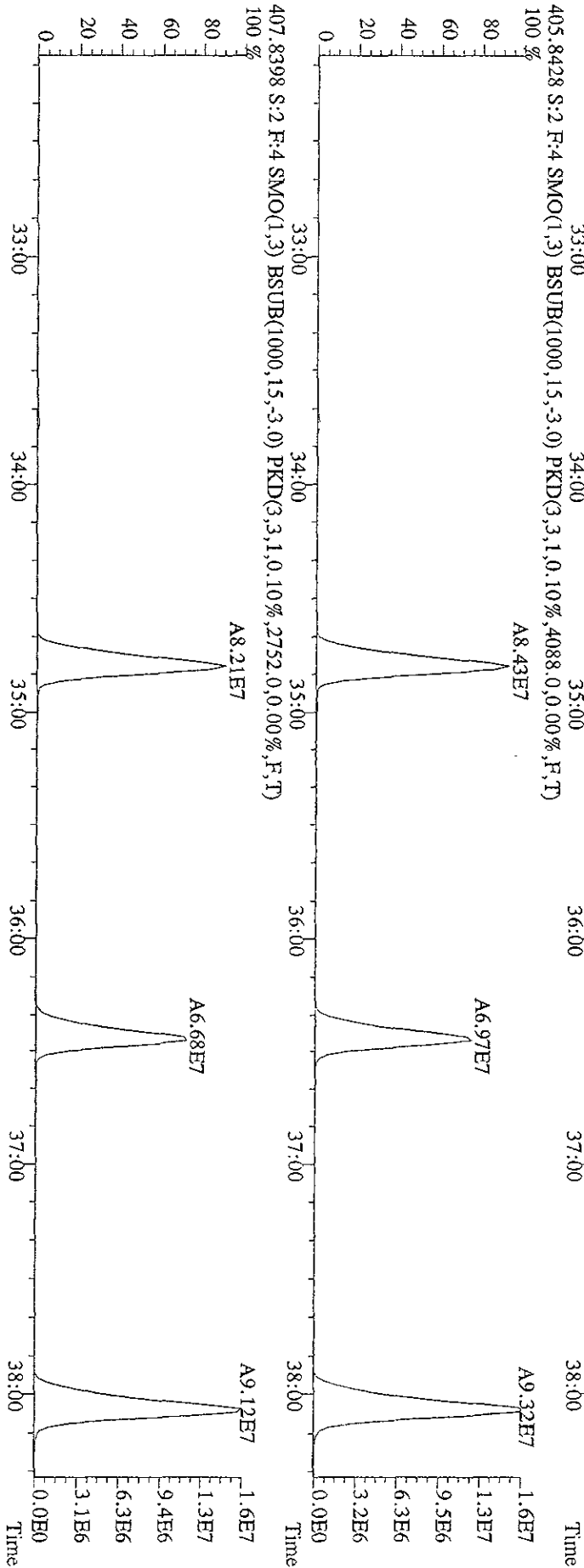
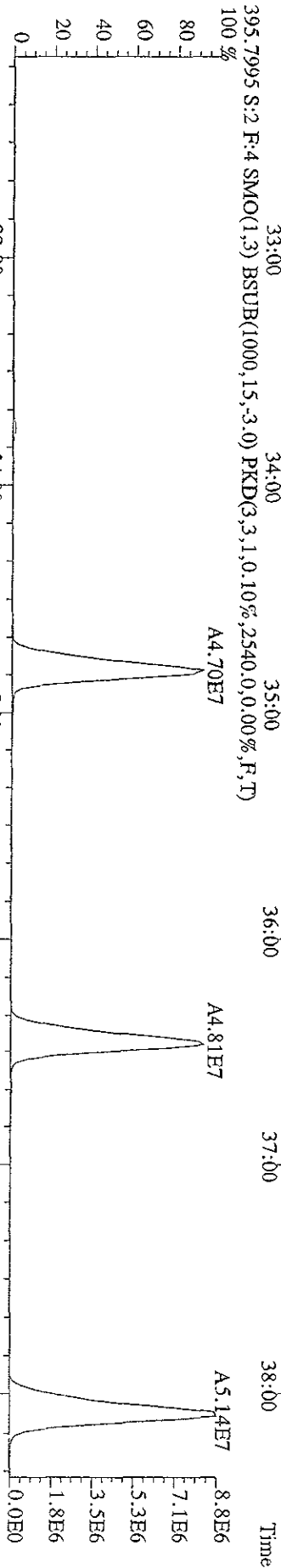
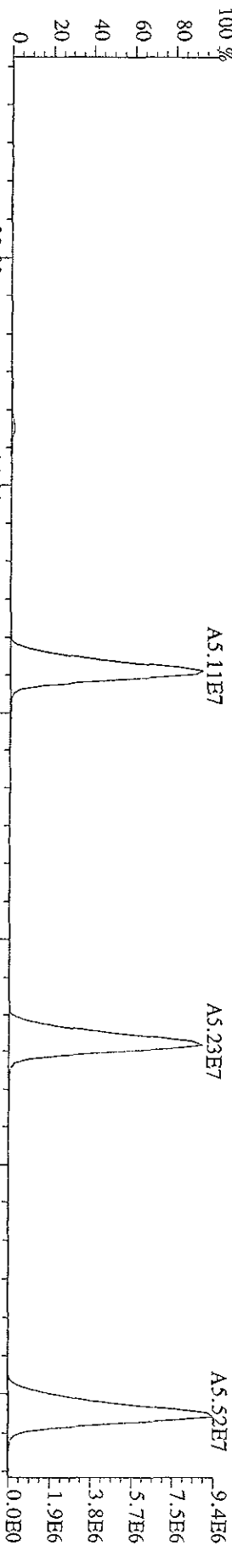
Analyst:                       
 Date: 5/11/09





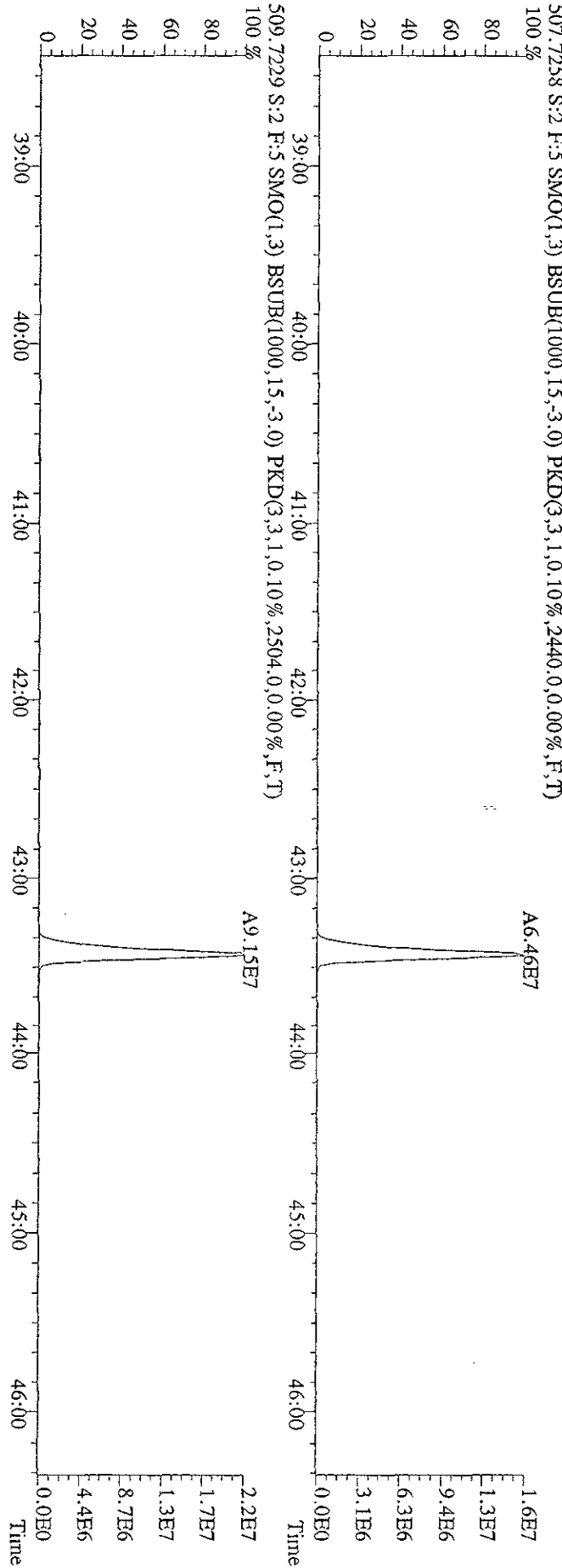
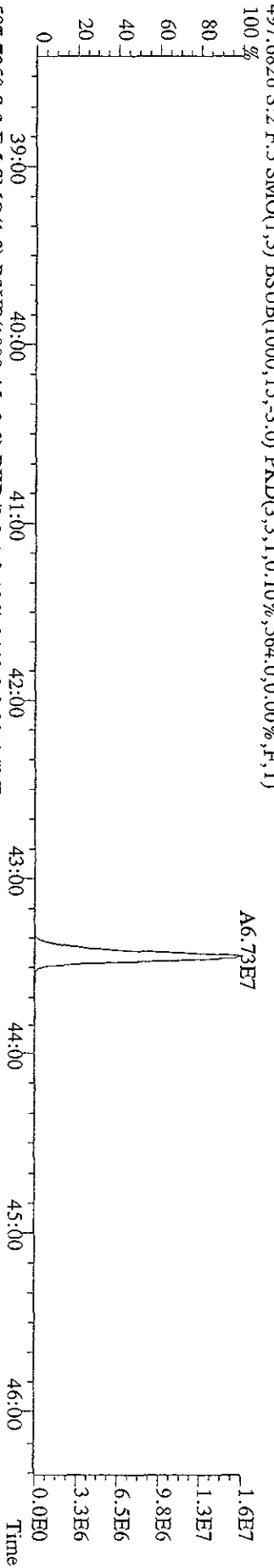
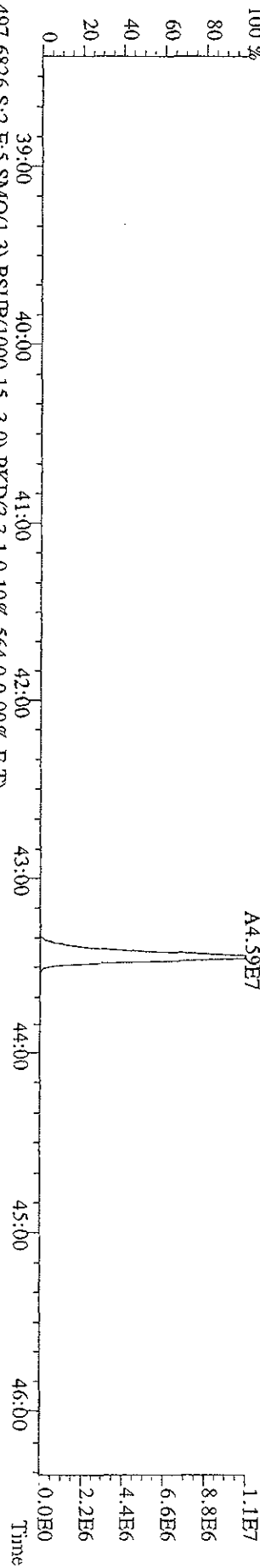
File:01MAY099D5 #1-381 Acq: 1-MAY-2009 13:39:48 GC EI+ Voltage SIR Autospec-Ultimate

Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5



File:01MY099D5 #1-529 Acq: 1-MAY-2009 13:39:48 GC EI+ Voltage S1R Autospec-UltimaE

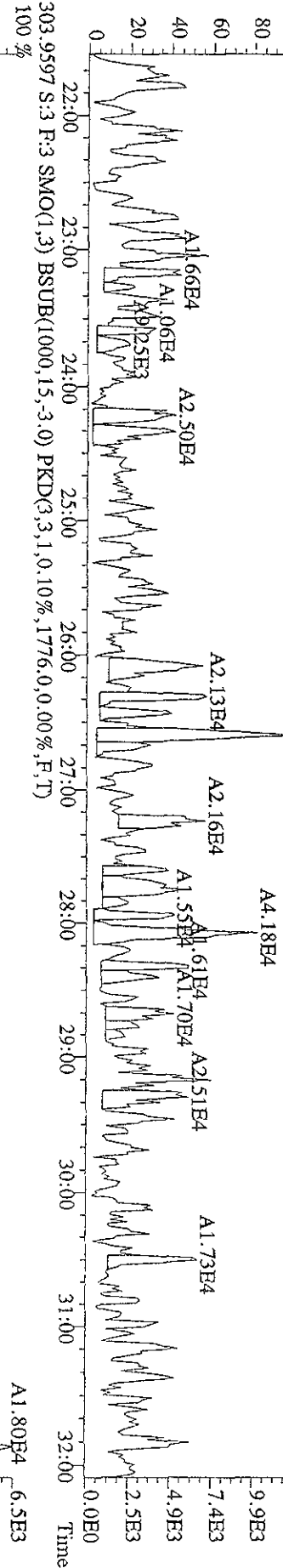
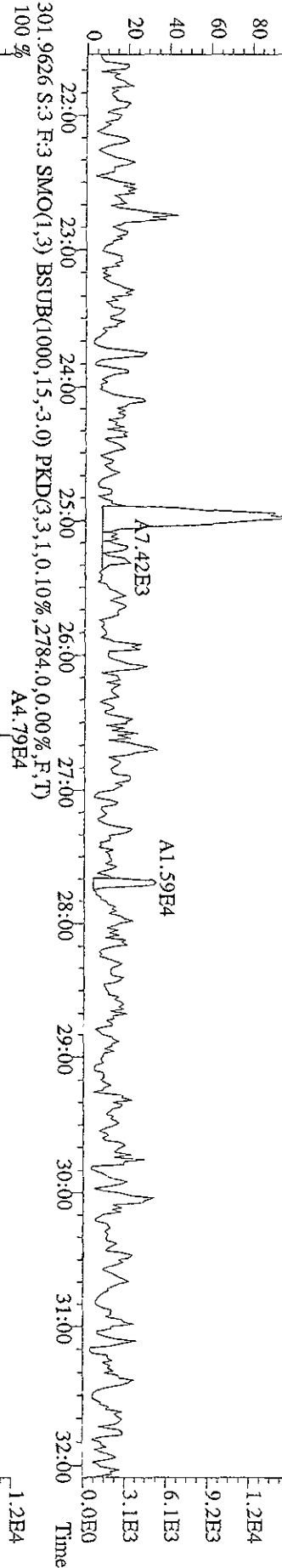
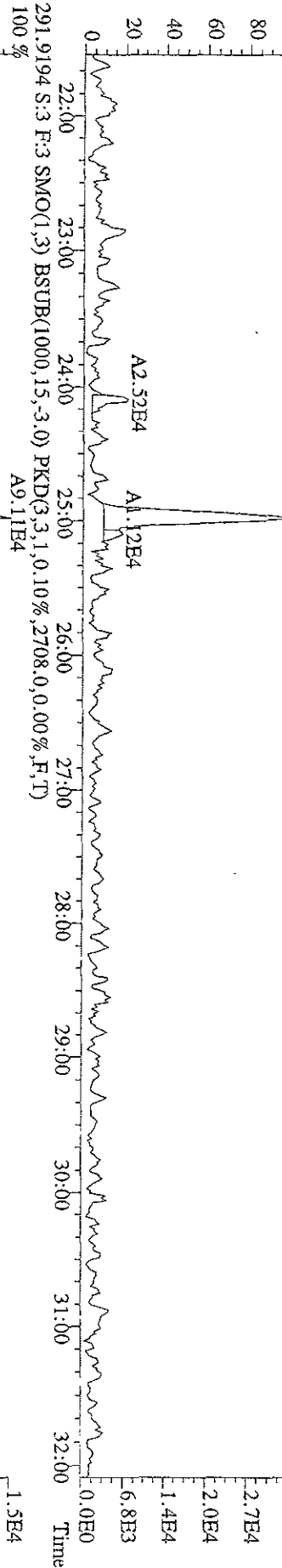
Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5



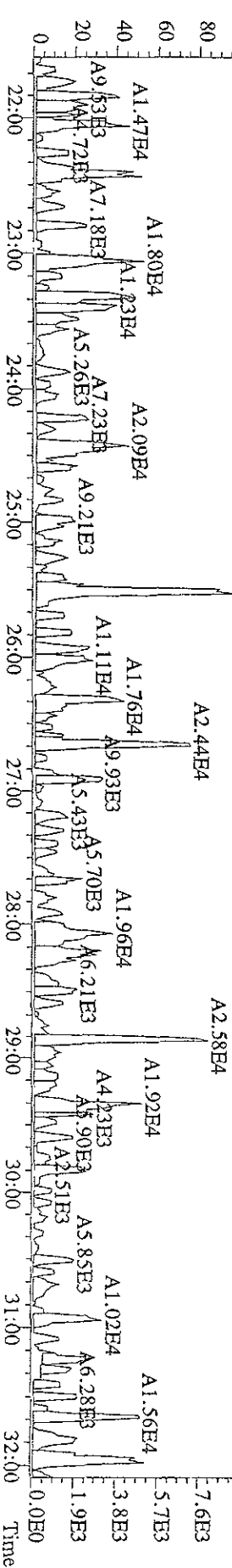
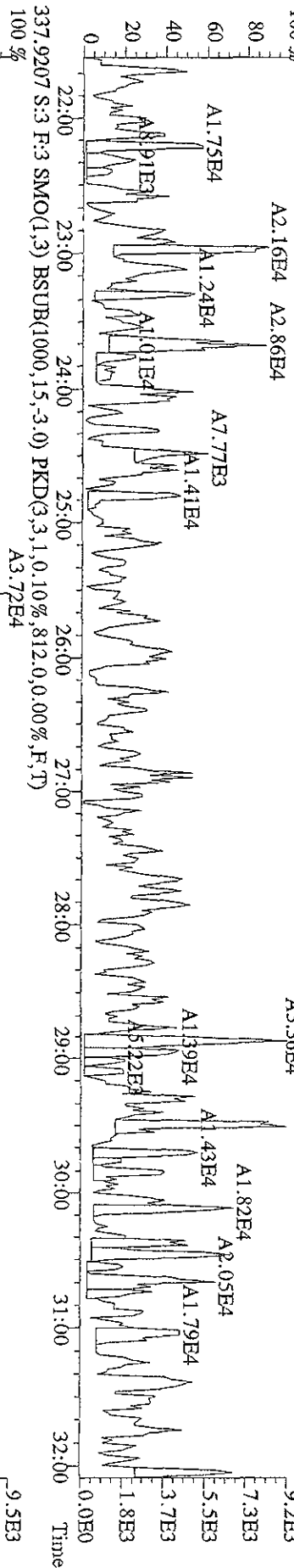
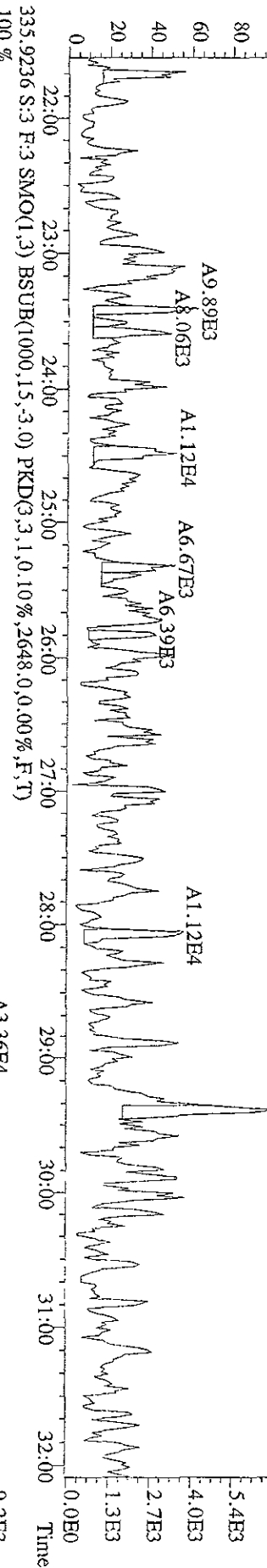
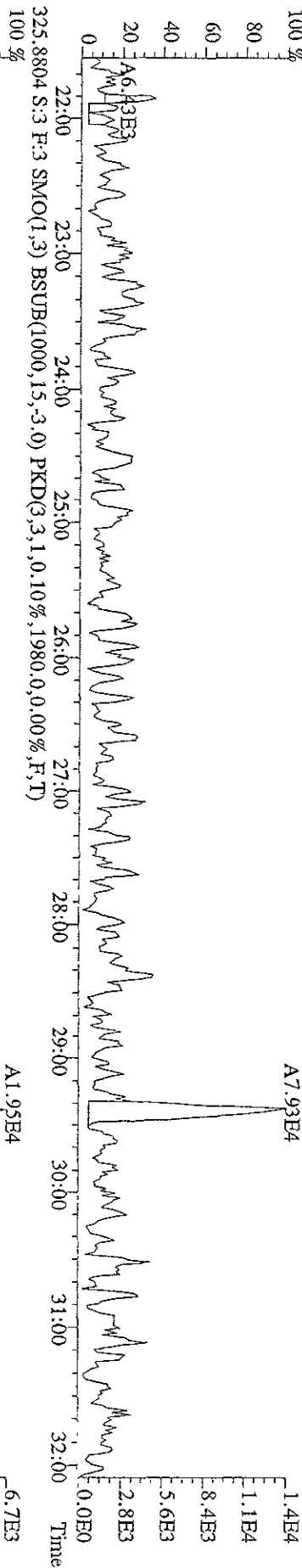
File:01MYY099D5 #1-594 Acq: 1-MAY-2009 14:31:03 GC EI+ Voltage SIR Autospec-Ultimate

Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5

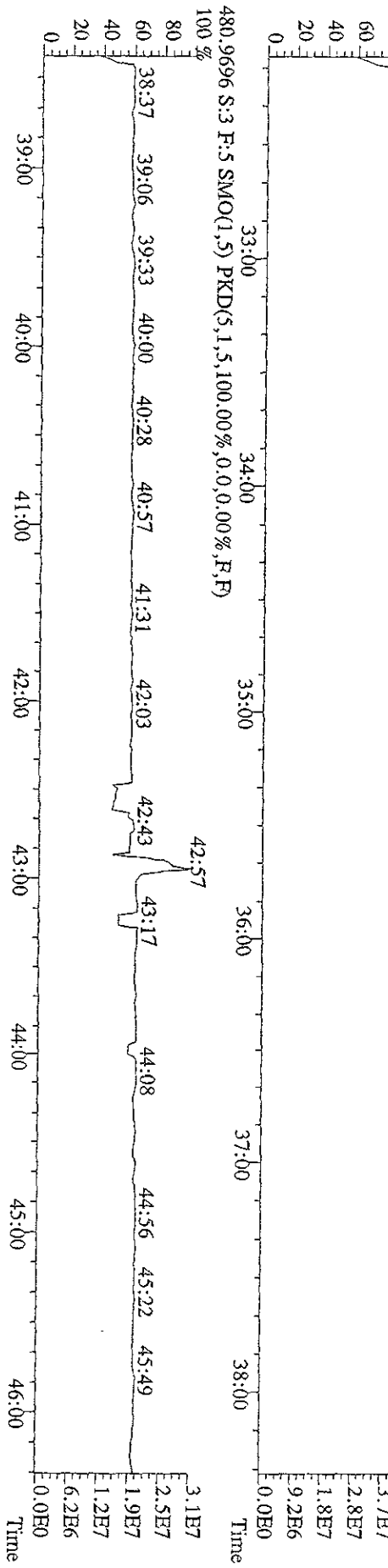
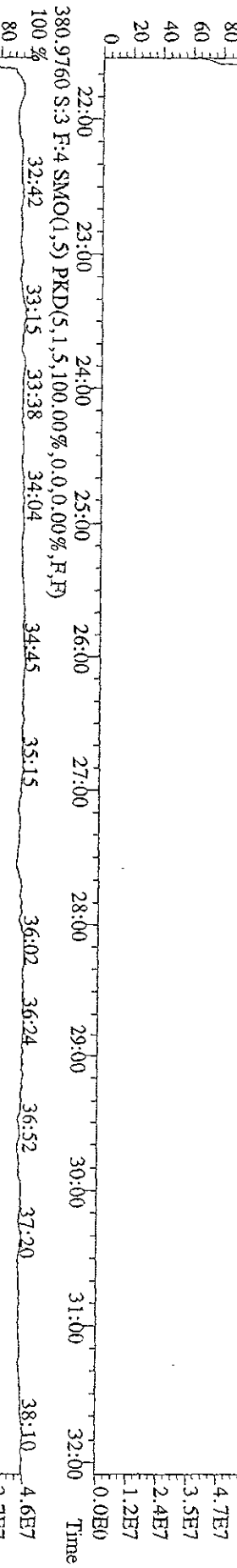
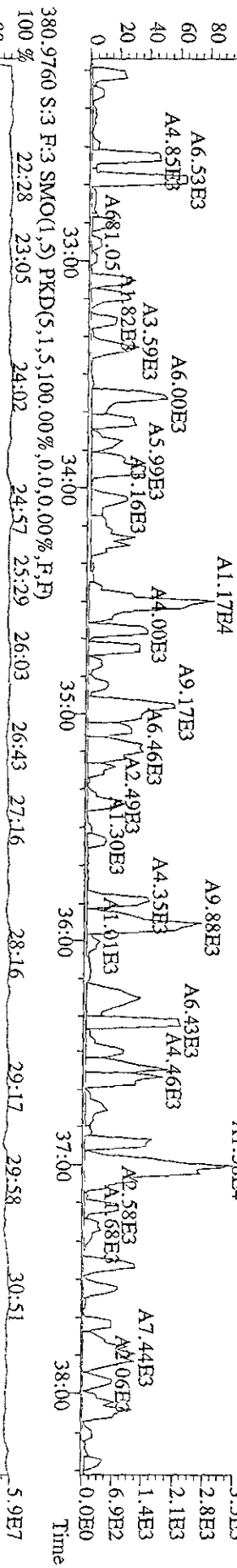
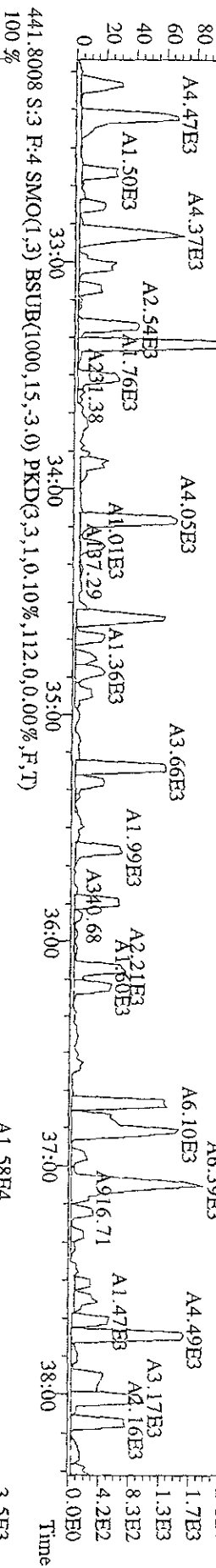
289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2900,0,0,00%,F,T) A1.69E5



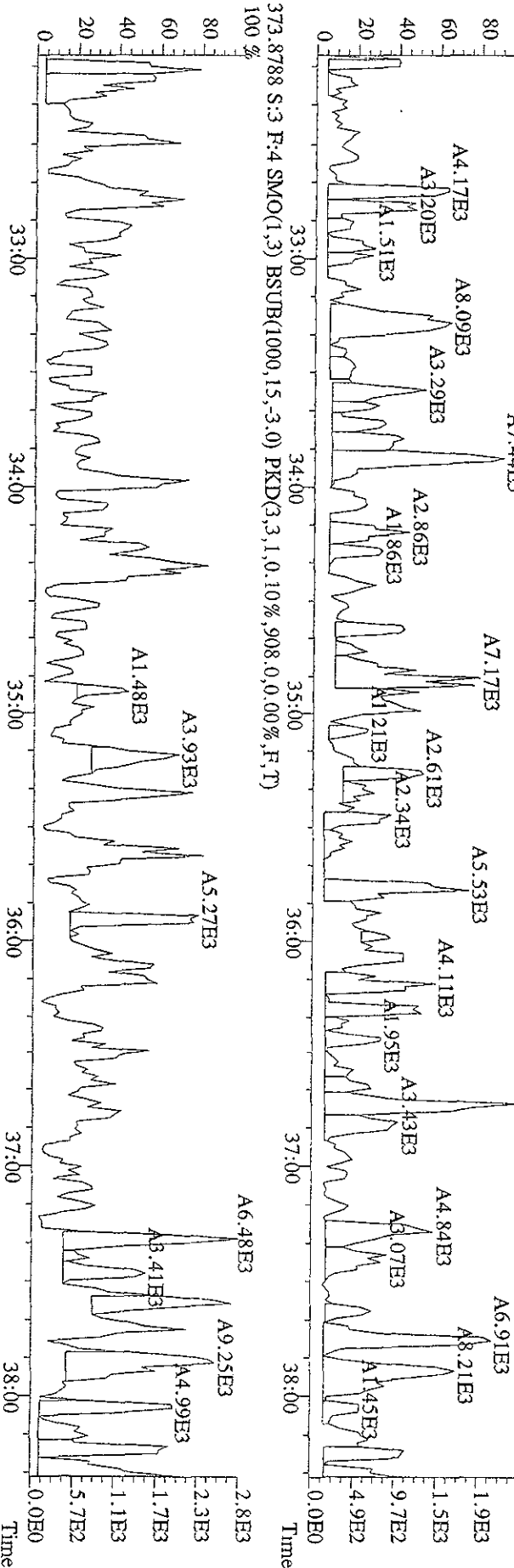
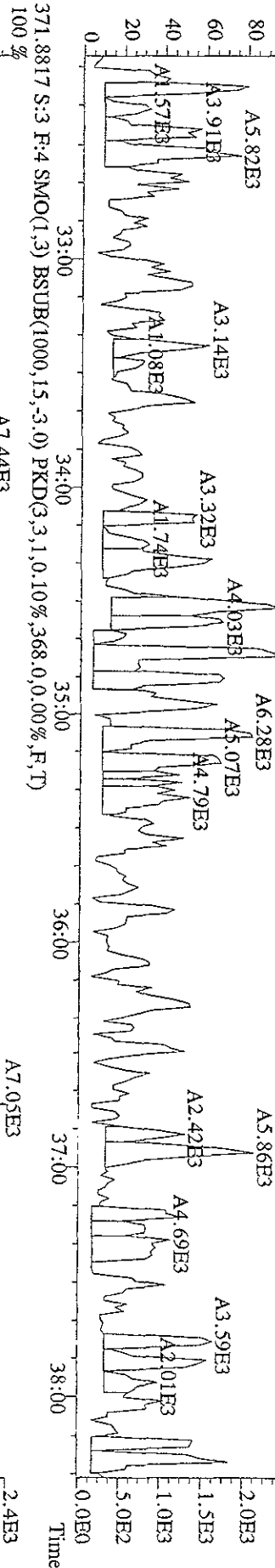
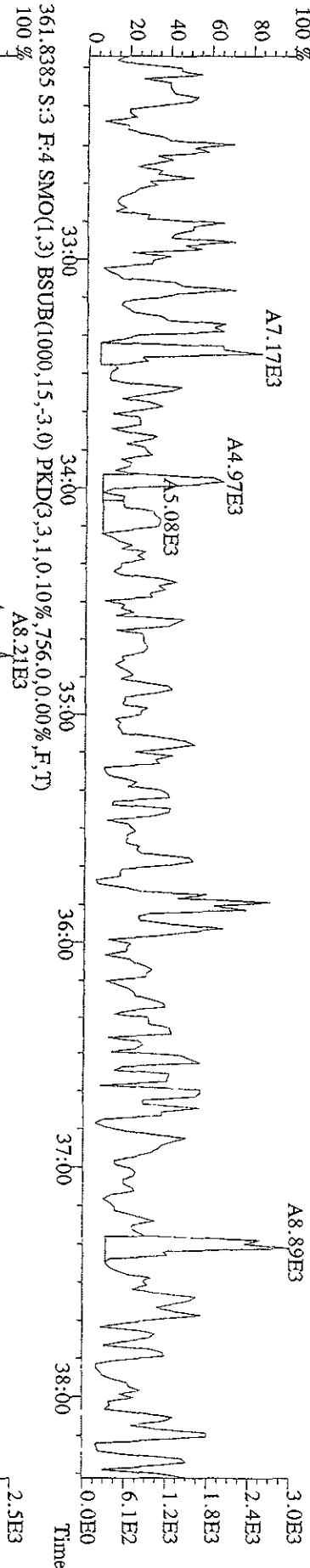
File:01MAY099D5 #1-594 Acq: 1-MAY-2009 14:31:03 GC EI + Voltage S1R Autospec-Ultimate  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2740.0,0.00%,F,T)



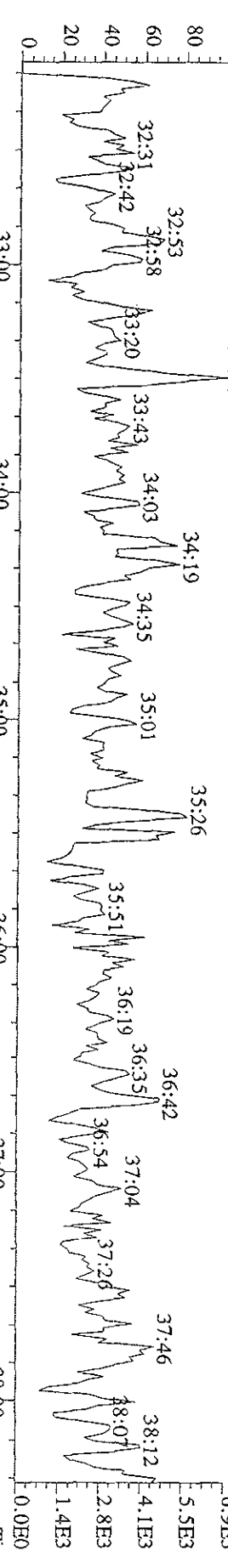
File:01MAY09D5 #1-381 Acq: 1-MAY-2009 14:31:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 439.8038 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,108,0,0,00%,F,T)  
 100% A6.07E3



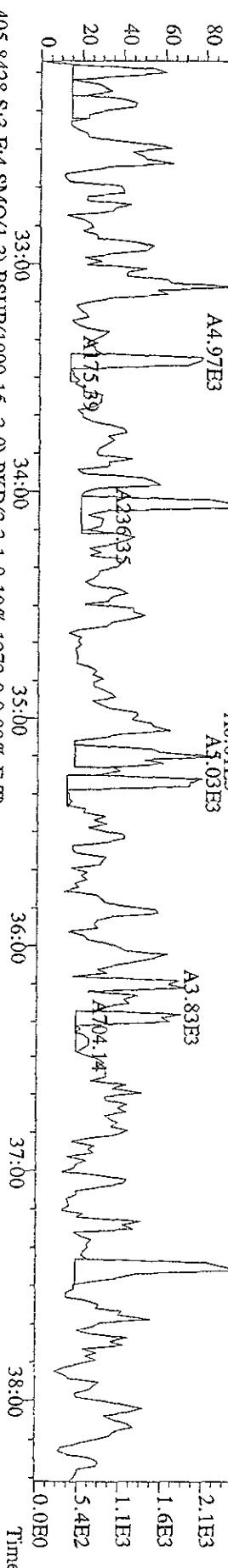
File:01MAY09D5 #1-381 Acq: 1-MAY-2009 14:31:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 359.8415 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1260,0,0,00%,F,T)



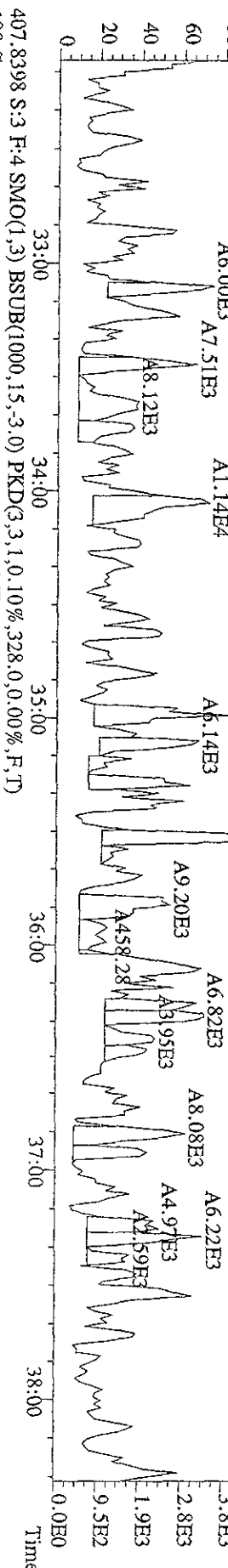
File:01MAY099D5 #1-381 Acq: 1-MAY-2009 14:31:03 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3588,0,0,00%,F,T)  
 100 %



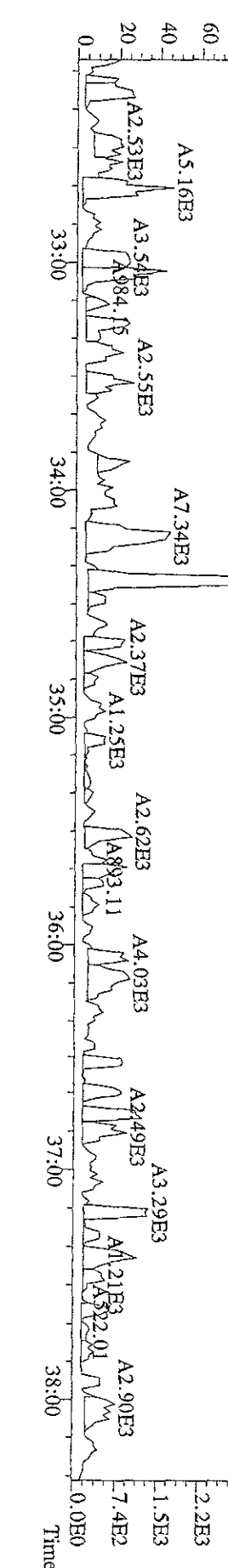
395.7995 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,984,0,0,00%,F,T)  
 100 %



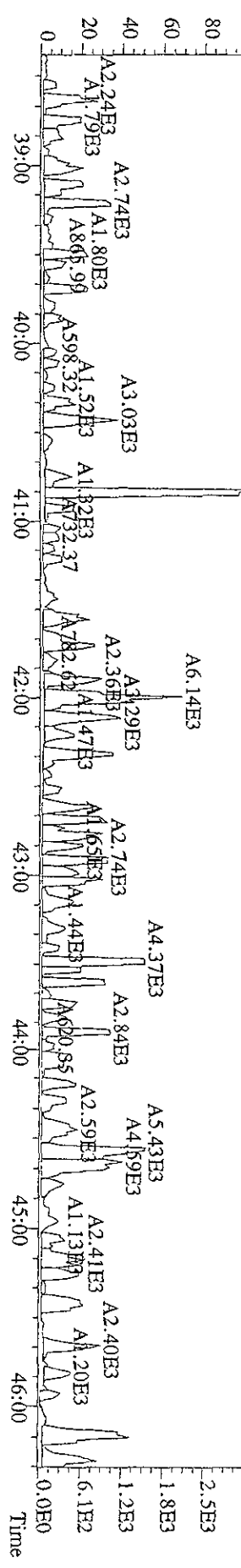
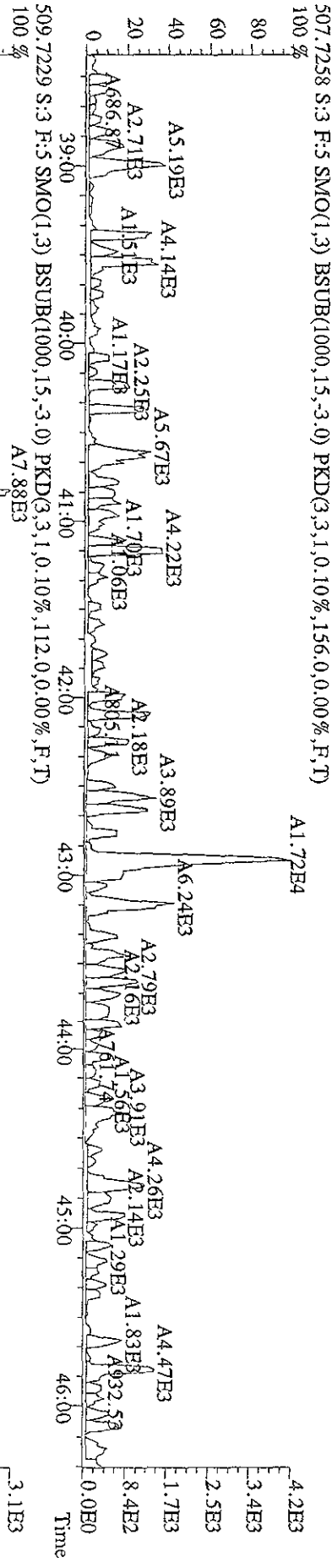
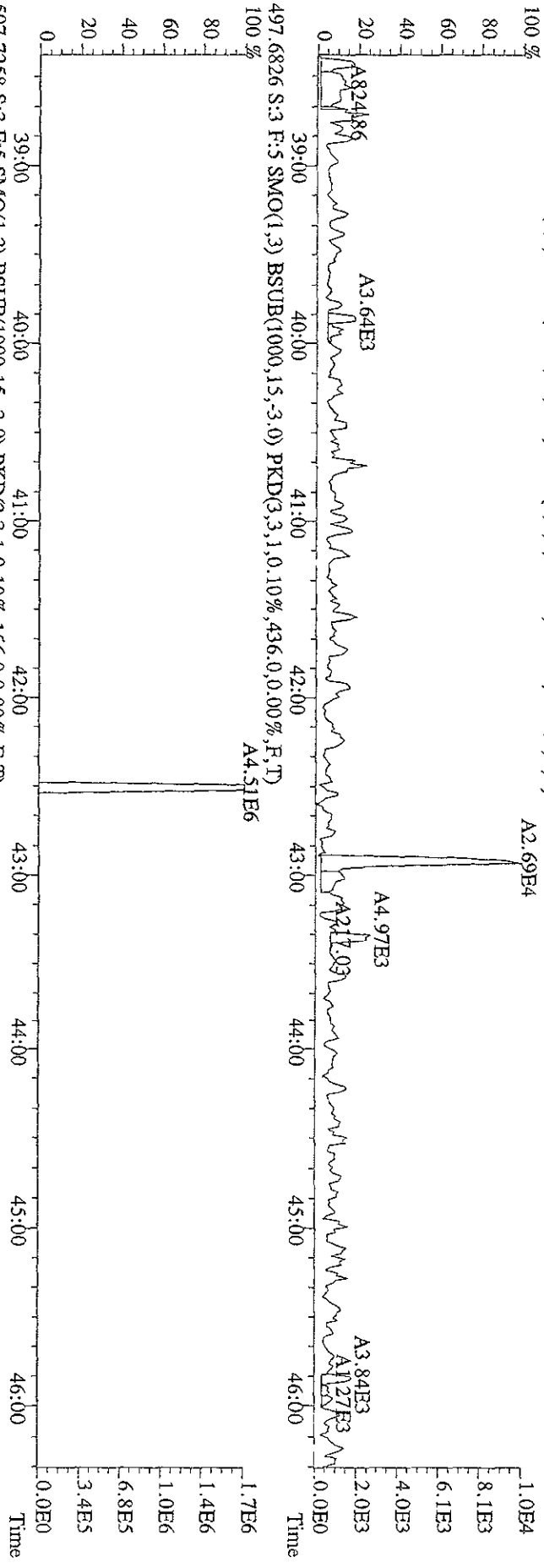
405.8428 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1372,0,0,00%,F,T)  
 100 %



407.8398 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,328,0,0,00%,F,T)  
 100 %



File:01MAY0999D5 #1-529 Acq: 1-MAY-2009 14:31:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 495.6856 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1076.0,0.00%,F,T)





Method ID 1668M (Short Dec)

Associated ICAL 1668M3LDBECON16099DS

Column ID DB 5

Instrument ID 91D5

STD ID ST0501A

STD Solution 09DKN016

Analyzed by KAS

Date Analyzed 5/4/09

Std. Pkg. By KAS

Date Std. Pkg. Assembled 5/5/09

Std. Pkg. Reviewed By SMA

Date Std. Pkg. Reviewed 5/5/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration) Natives in different functions from their IS have ± 40% limit.  
Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* Method 1668A (PCBs). resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

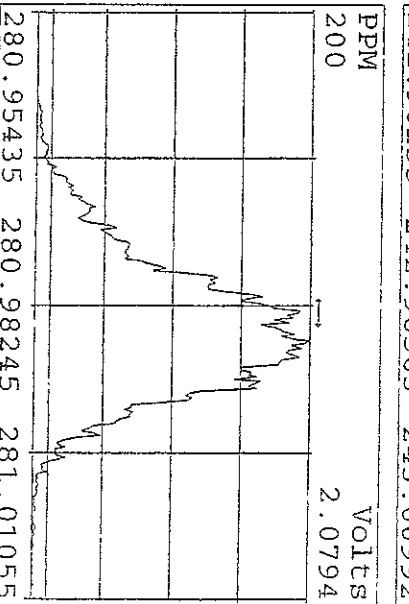
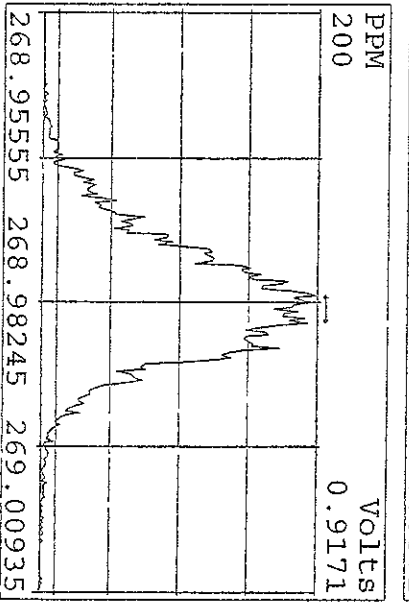
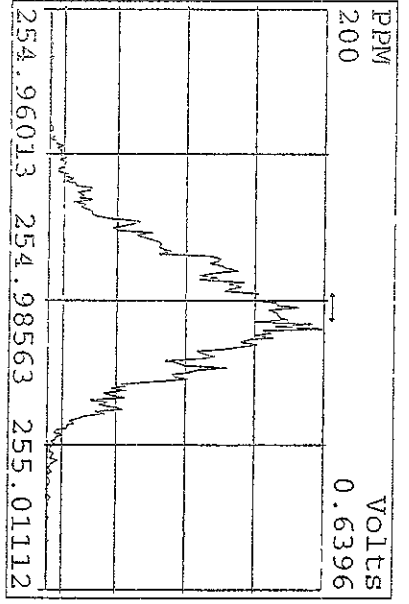
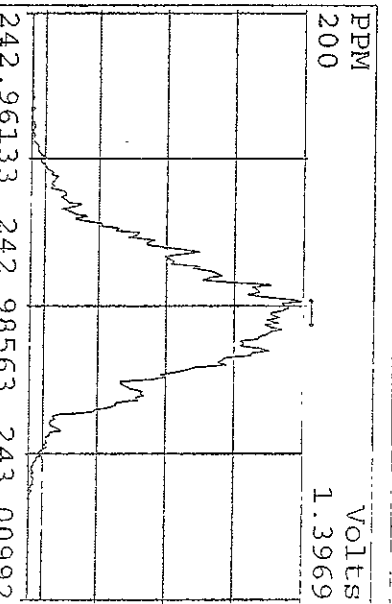
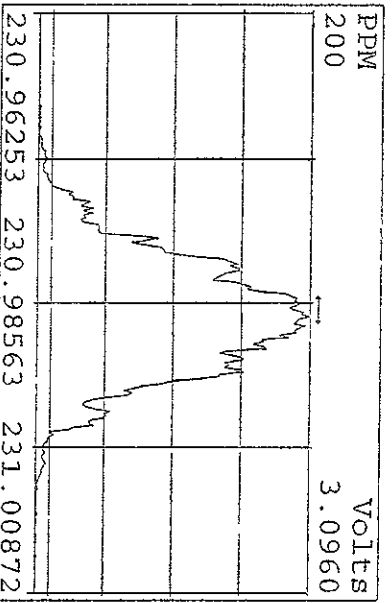
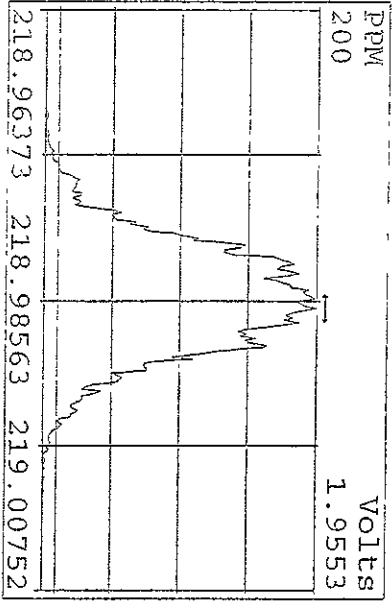
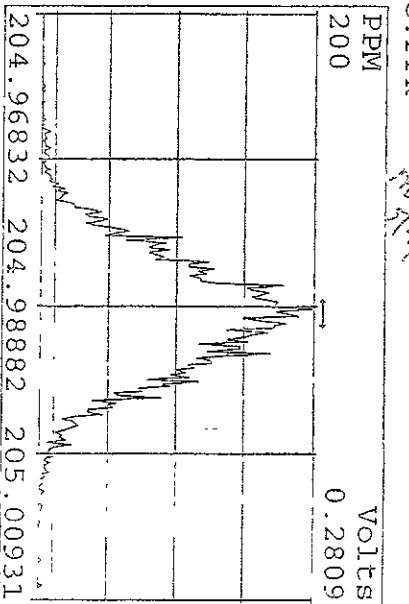
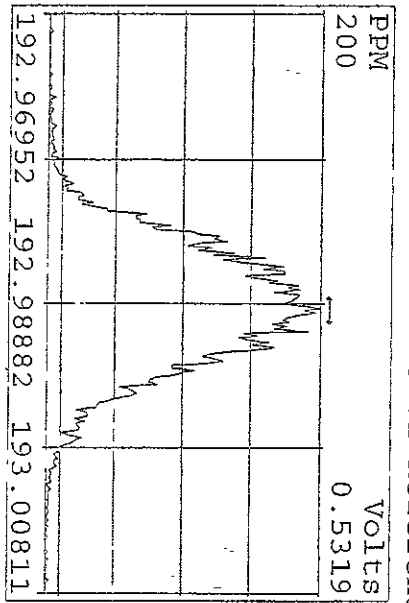
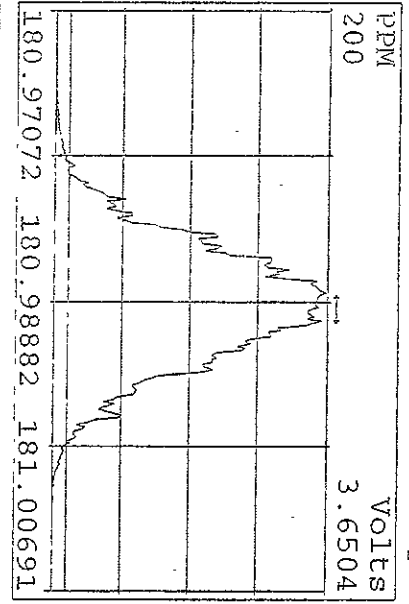
Run text: ST0501A File text: ST0501A :CS3 09DXN016  
 Run #6 Filename 04MY099D5 S: 2 I: 1  
 Acquired: 4-MAY-09 13:35:11 Processed: 4-MAY-09 18:47:23  
 Run: 04MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 04MY099D51668MSLDEC

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	262852000	0.65 y	24:25	-	100.00	-	n
13C-TCB-81	258021000	0.76 y	25:57	0.98	100.00	3.6	n
TCB-81	170115900	0.77 y	25:59	1.32	50.00	3.2	n
13C-TCB-77	262179000	0.74 y	26:32	1.00	100.00	1.5	n
TCB-77	156013300	0.77 y	26:33	1.19	50.00	7.9	n
13C-PeCB-123	261666000	0.64 y	27:54	1.00	100.00	14.2	n
PeCB-123	218756600	0.57 y	27:55	1.67	50.00	10.8	n
13C-PeCB-118	267708000	0.64 y	28:02	1.02	100.00	3.4	n
PeCB-118/106	224994200	0.57 y	28:03	1.68	50.00	10.0	n
13C-PeCB-114	266857000	0.63 y	28:41	1.02	100.00	5.1	n
PeCB-114	234814200	0.56 y	28:42	1.76	50.00	11.0	n
13C-PeCB-105	265135000	0.65 y	29:33	1.01	100.00	12.4	n
PeCB-105/127	206298400	0.58 y	29:34	1.56	50.00	9.4	n
13C-PeCB-126	284472000	0.64 y	31:27	1.08	100.00	18.7	n
PeCB-126	189188500	0.56 y	31:28	1.33	50.00	13.4	n
13C-OcCB-202	358473000	0.85 y	33:44	-	100.00	-	n
13C-HxCB-167	271332000	1.28 y	32:34	0.76	100.00	-10.1	n
HxCB-167	164688300	1.29 y	32:35	1.21	50.00	3.9	n
13C-HxCB-156	217667800	1.31 y	33:52	0.61	100.00	-9.4	n
HxCB-156	163159200	1.28 y	33:52	1.50	50.00	3.2	n
13C-HxCB-157	235714000	1.28 y	34:10	0.66	100.00	-7.0	n
HxCB-157	173565600	1.28 y	34:11	1.47	50.00	1.8	n
13C-HxCB-169	256636000	1.28 y	36:00	0.72	100.00	-2.4	n
HxCB-169	132290300	1.26 y	36:01	1.03	50.00	4.2	n
13C-HpCB-180	228529000	1.03 y	34:49	0.64	100.00	9.0	n
HpCB-180	139777700	1.07 y	34:50	1.22	50.00	-3.3	n
13C-HpCB-170	184849900	1.03 y	36:27	0.52	100.00	8.7	n
HpCB-170/190	136204500	1.06 y	36:28	1.47	50.00	-8.3	n
13C-HpCB-189	241024000	1.02 y	38:04	0.67	100.00	12.3	n
HpCB-189	137432900	1.08 y	38:05	1.14	50.00	-5.5	n
13C-DeCB-209	193992000	0.70 y	43:26	0.54	100.00	17.6	n
DECB-209	154291600	0.69 y	43:27	1.59	50.00	5.7	n
13C-PeCB-111	346602000	0.64 y	25:51	1.31	100.00	-3.7	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
04MY099D5	1	ST0501	09DXN209				1.00000	
04MY099D5	2	ST0501A	CS3 09DXN016				1.00000	
04MY099D5	3	SB0501	Solvent Blank C-12				1.00000	
04MY099D5	4	LAKA6-1-AC	G9D220326-1 (10X)	50	1668/WASTE	36	0.10600	g
04MY099D5	5	K9490-1-AE	F9D150204-1 (10X)	50	1668/SOLID	37	1.00000	g
04MY099D5	6	SB0501	Solvent Blank C-12				1.00000	
04MY099D5	7	LAJ7L-1-AA	G9D210223-MB	20	1668/AIR	32	0.50000	SAM
04MY099D5	8	LAJ7L-1-AC	G9D210223-LCS	20	1668/AIR		0.50000	SAM
04MY099D5	9	LAJ7L-1-AD	G9D210223-DCS	20	1668/AIR		0.50000	SAM
04MY099D5	10	K9LEP-1-AC	G9D030340-1 (10X)	50	1668/SOLID	37	10.00000	g
04MY099D5	11	K9LEQ-1-AC	G9D030340-2 (10X)	50	1668/SOLID		10.18000	g
04MY099D5	12	K9LER-1-AC	G9D030340-3 (10X)	50	1668/SOLID		10.43000	g
04MY099D5	13	K9LET-1-AC	G9D030340-4 (10X)	50	1668/SOLID		10.21000	g
04MY099D5	14	K9LEV-1-AC	G9D030340-5 (10X)	50	1668/SOLID		10.06000	g
04MY099D5	15	SB0501B	Solvent Blank C-12				1.00000	
04MY099D5	16	ST0501C	CS3 09DXN016				1.00000	
04MY099D5	17	SB0501C	Solvent Blank C-12				1.00000	
04MY099D5	18	K9L38-1-AC	G9D040182-1 (10X)	50	1668/SOLID	37	10.01500	g
04MY099D5	19	K9L39-1-AC	G9D040182-2 (10X)	50	1668/SOLID		10.25000	g
04MY099D5	20	K9L4A-1-AC	G9D040182-3 (10X)	50	1668/SOLID		10.07000	g
04MY099D5	21	LAF43-1-AC	G9D210223-1 (10X)	50	1668/AIR	32	0.50000	SAM
04MY099D5	22	LAF47-1-AC	G9D210223-2 (10X)	50	1668/AIR		0.50000	SAM
04MY099D5	23	PCB PT QC	G9B020194-2 (10X)	50	1668	35	1.00000	
04MY099D5	24						1.00000	
04MY099D5	25						1.00000	
04MY099D5	26						1.00000	
04MY099D5	27		KAS, AM 05-04-09				1.00000	
04MY099D5	28						1.00000	

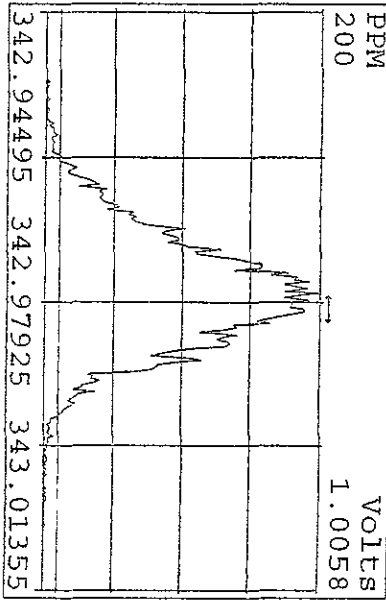
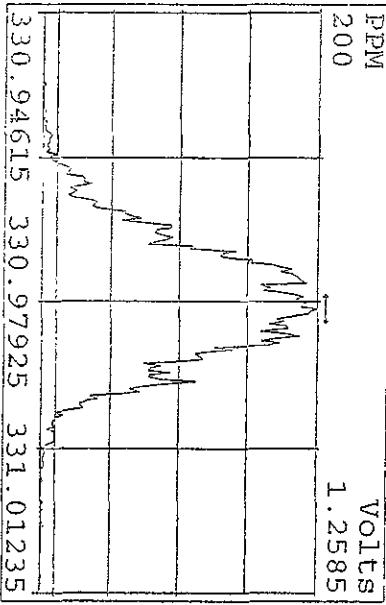
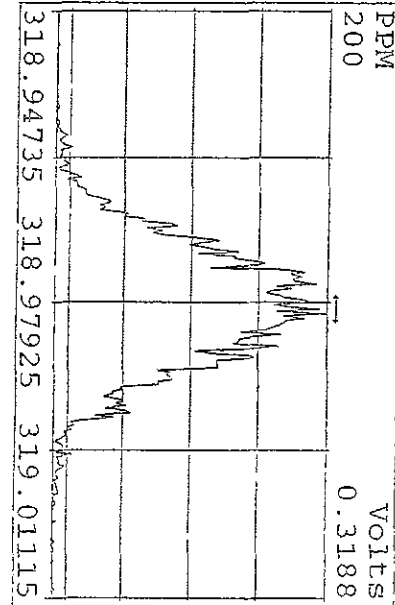
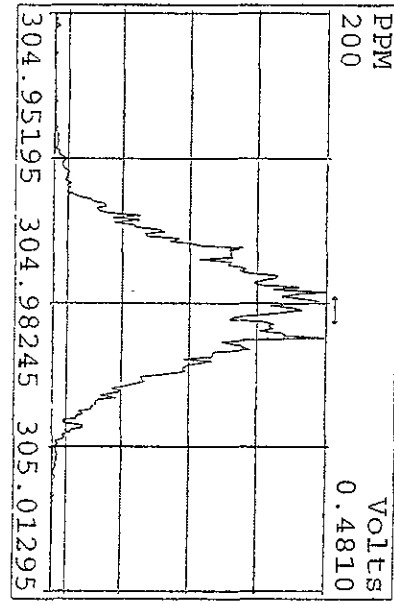
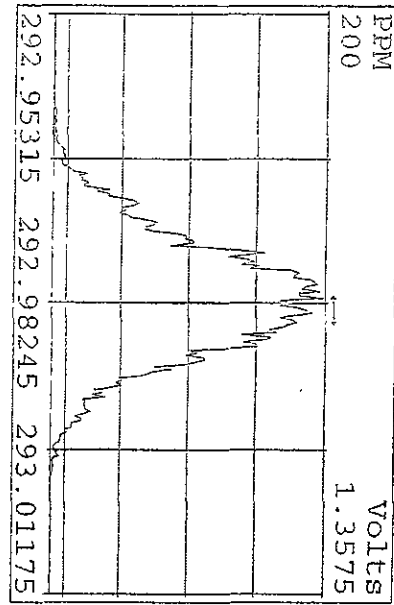
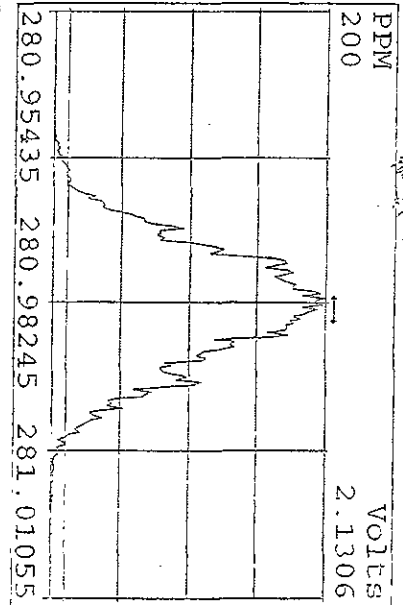
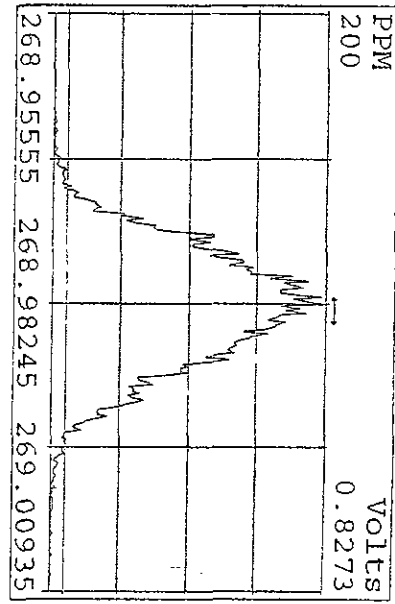
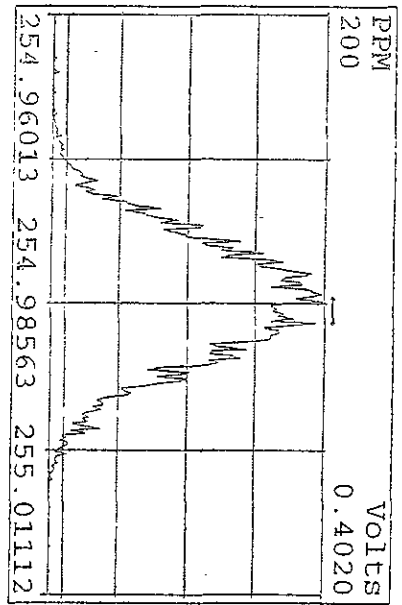
Peak Locate Examination: 4-MAY-2009:12:42 File: 82MY099D5  
 Experiment: 209DB5 Function: 1 Reference: PFK

31  
 5/17/09



Peak Locate Examination: 4-MAY-2009:12:42 File:02MY099D5  
 Experiment:209DB5 Function:2 Reference:PFK

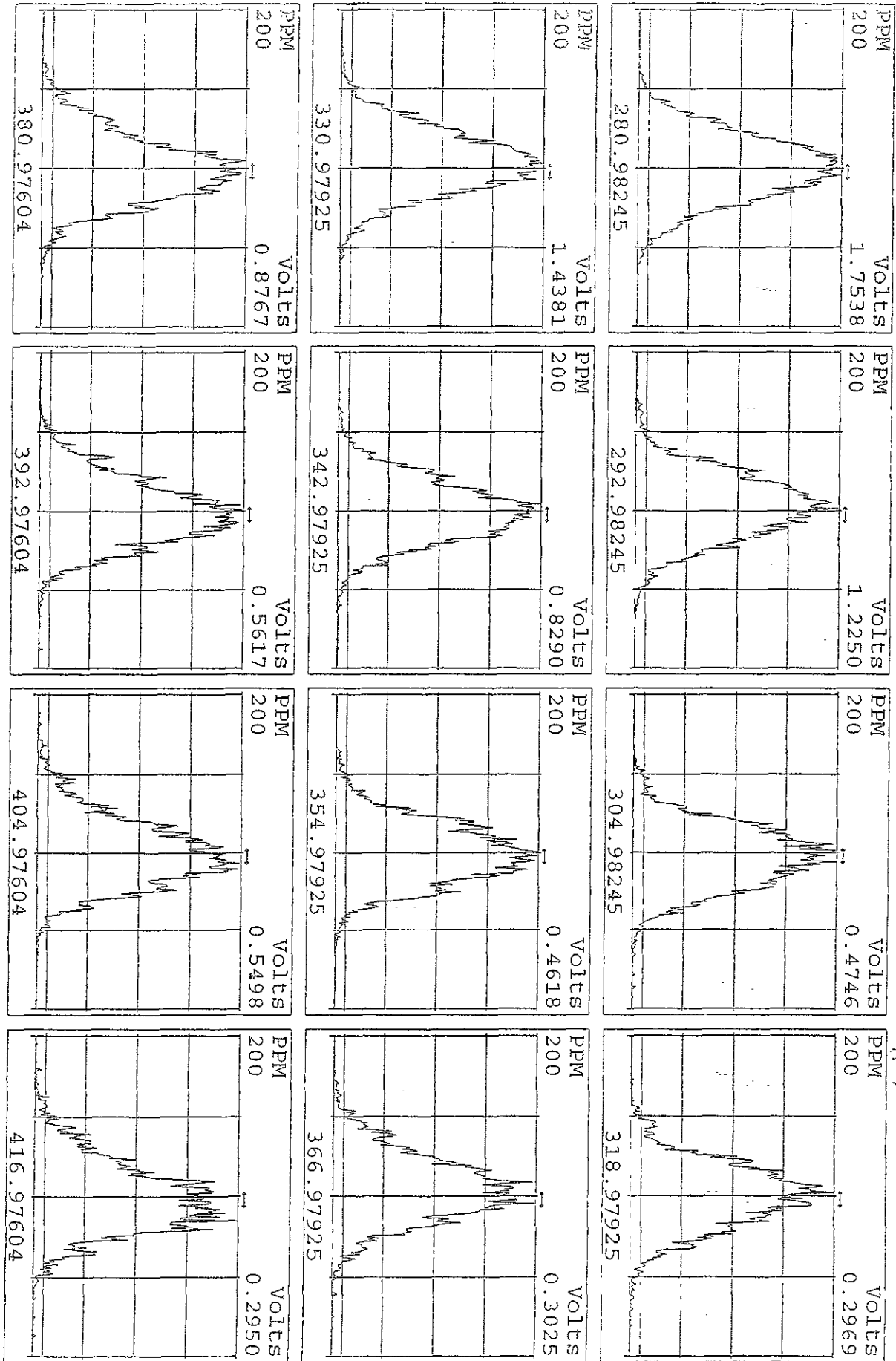
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 0.11  
 1.1  
 1.1



Peak Locate Examination: 4-MAY-2009:12:42 File: 02MY099D5  
Experiment: 209DB5 Function: 3 Reference: PRK

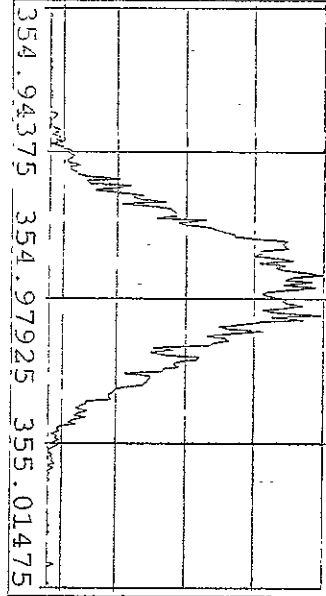
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17  
5/24/09

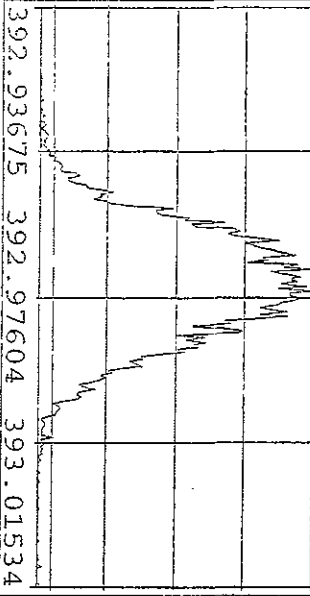


Peak Locate Examination: 4-MAY-2009:12:43 File:02MY099D5  
 Experiment:209DB5 Function:4 Reference:PKK

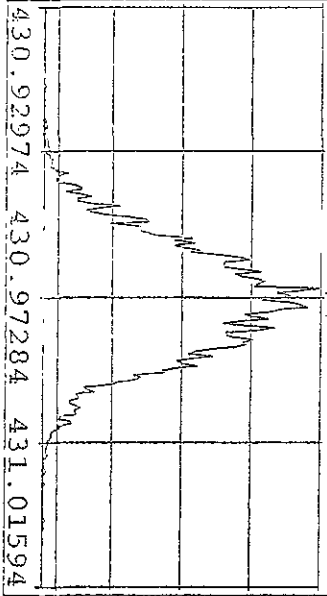
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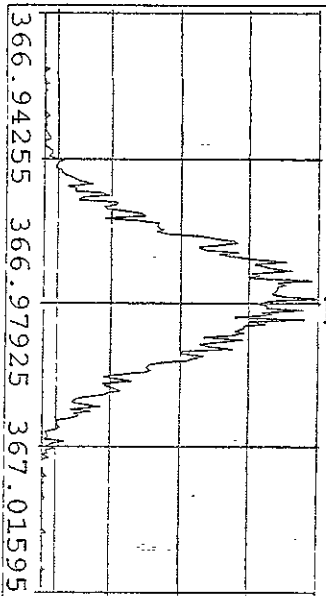
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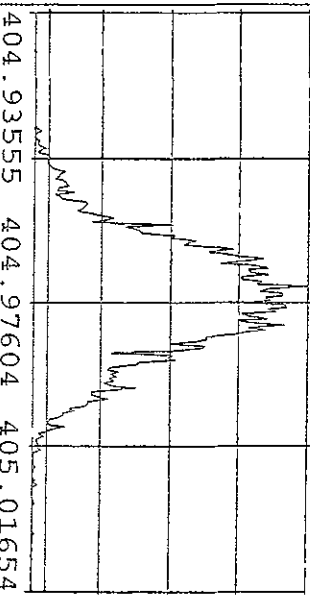
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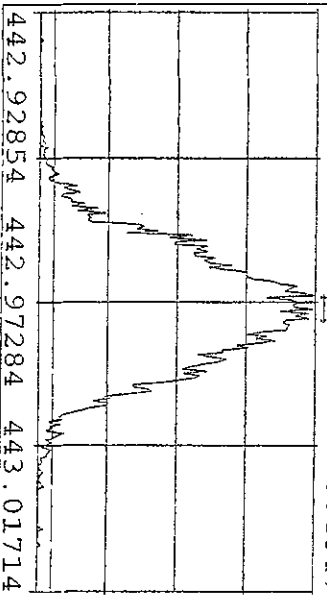
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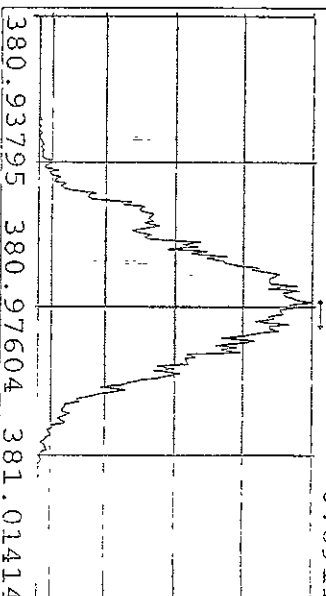
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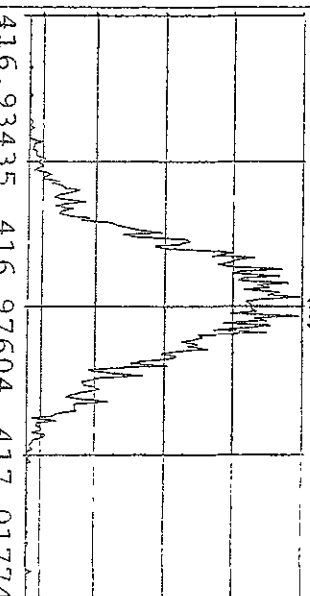
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 VOLTS 0.4647



PPM 200  
 VOLTS 0.8911

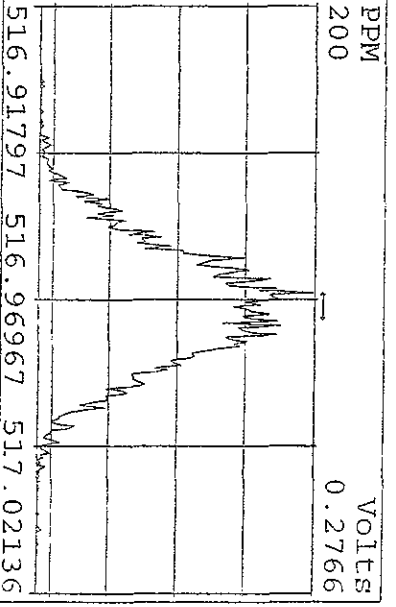
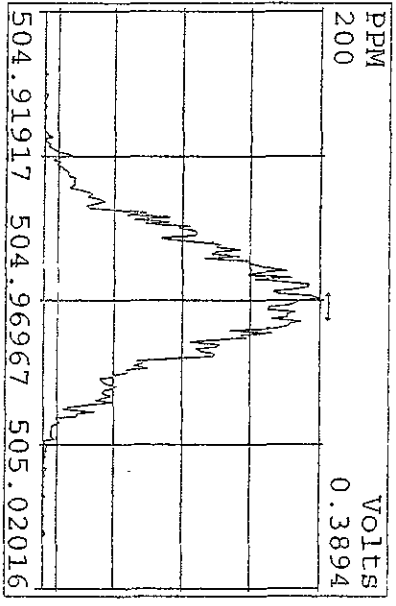
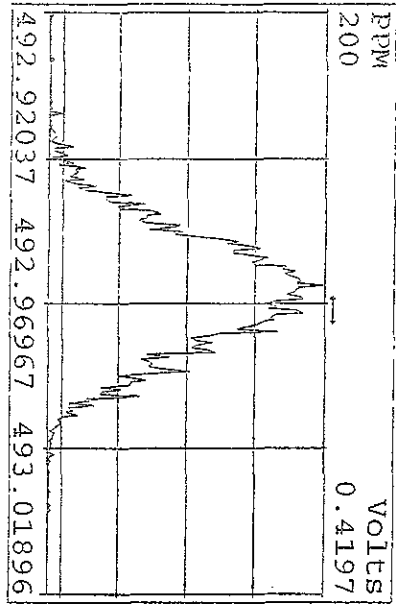
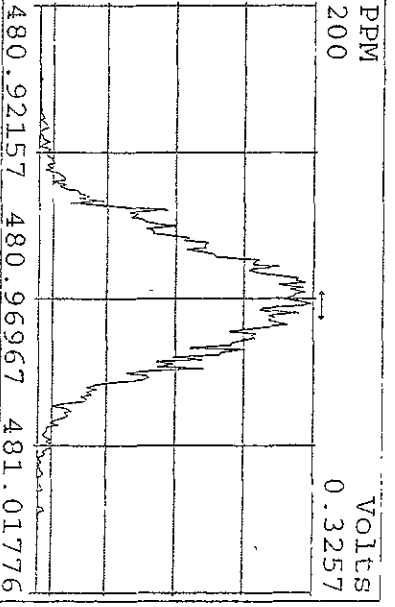
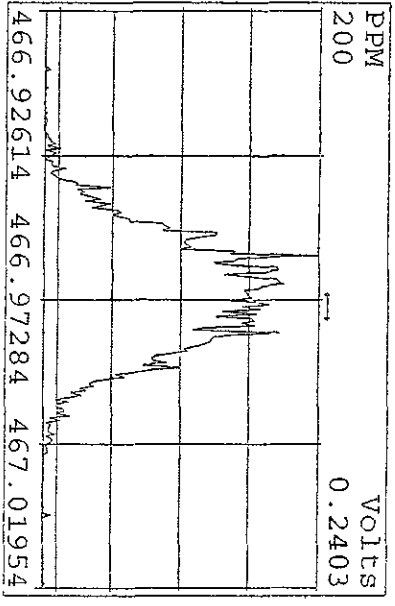
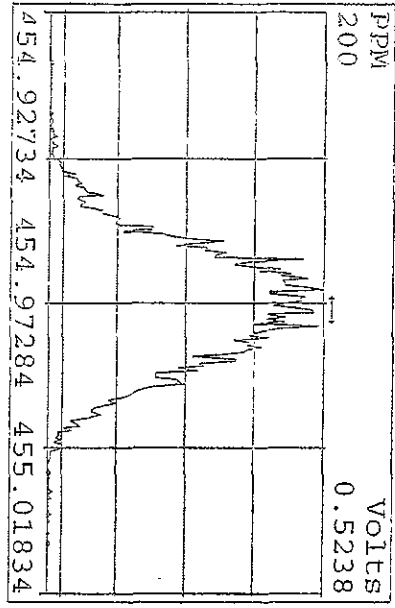
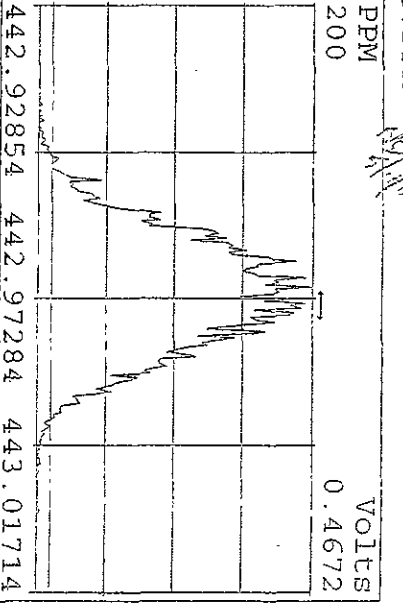
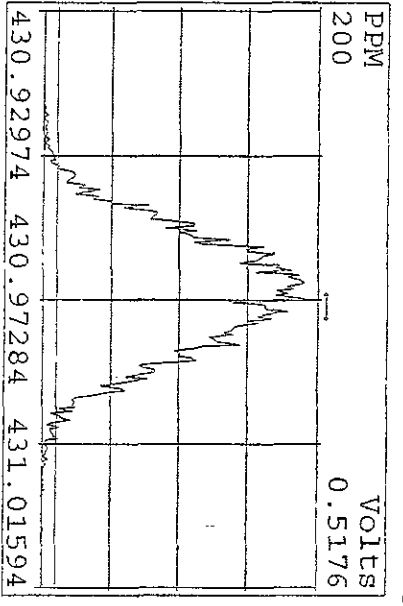
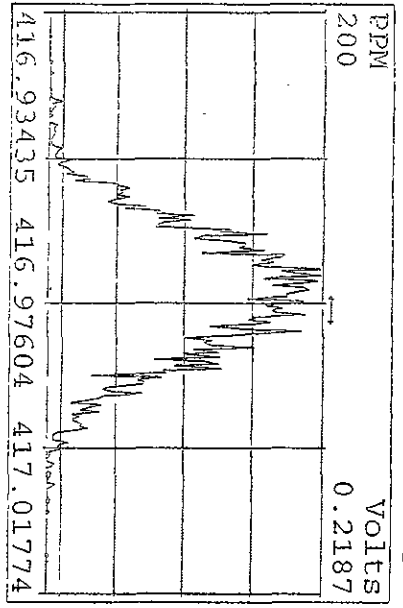


PPM 200  
 VOLTS 0.3040



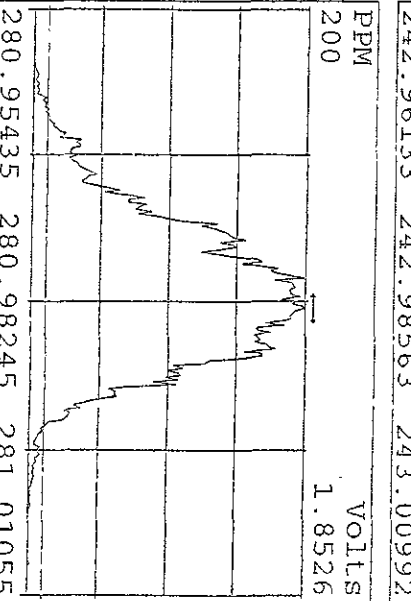
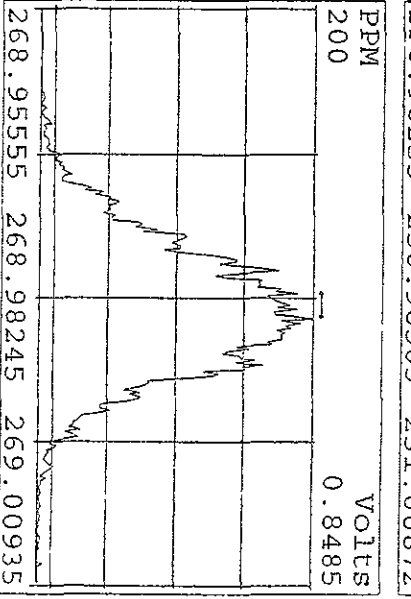
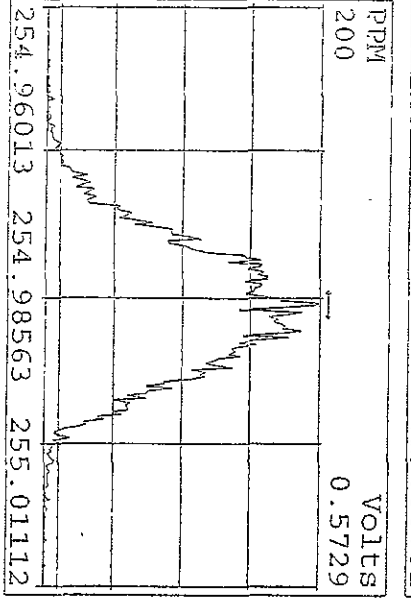
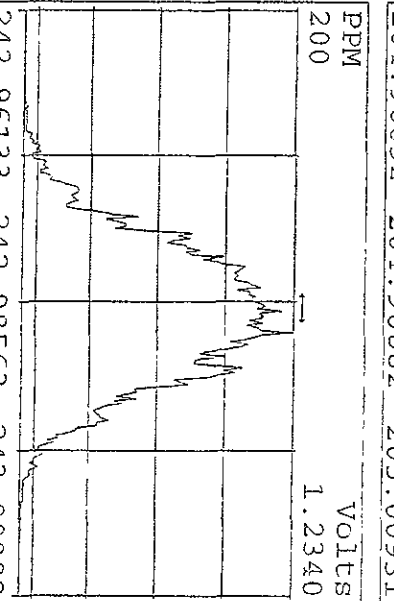
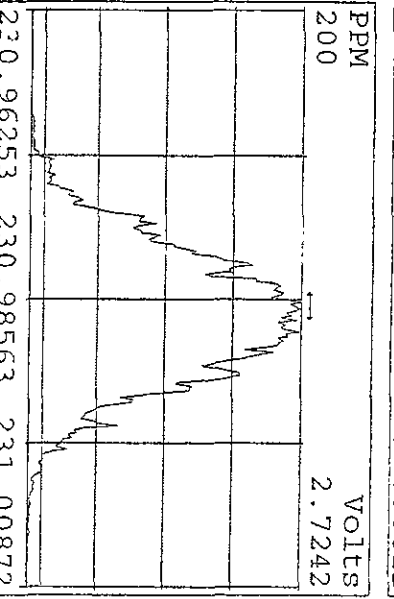
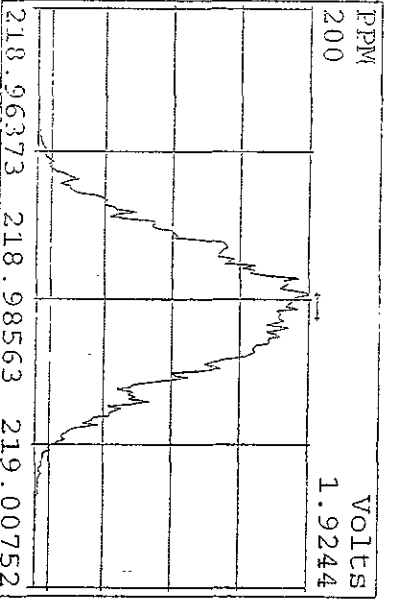
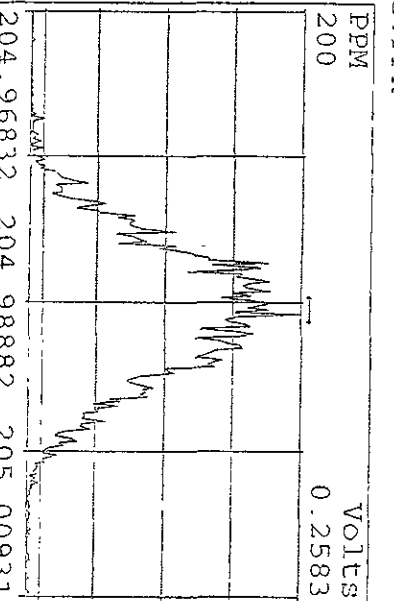
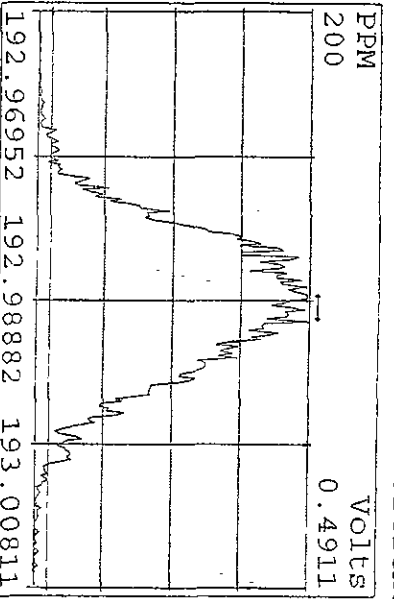
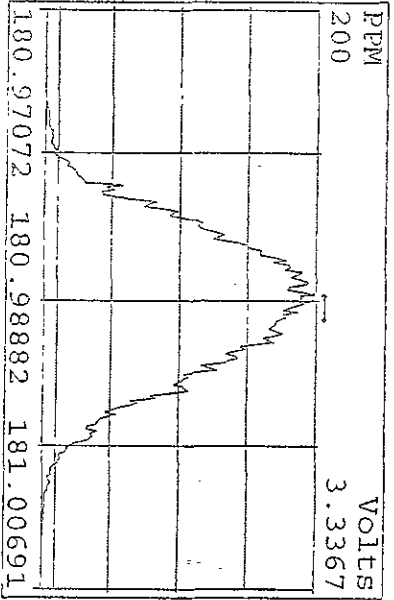
Peak Locate Examination: 4-MAY-2009:12:43 File:02MY099D5  
 Experiment:209DB5 Function:5 Reference:PKR

*Handwritten initials/signature*

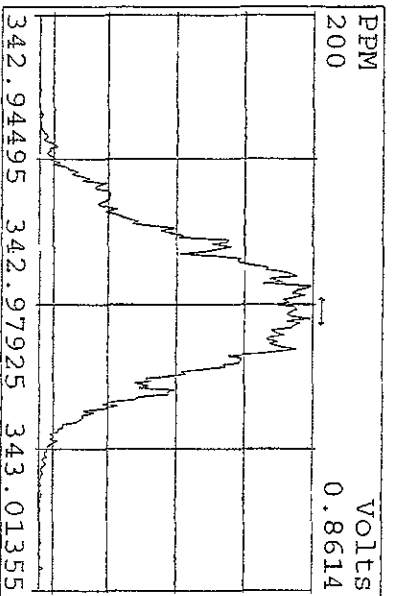
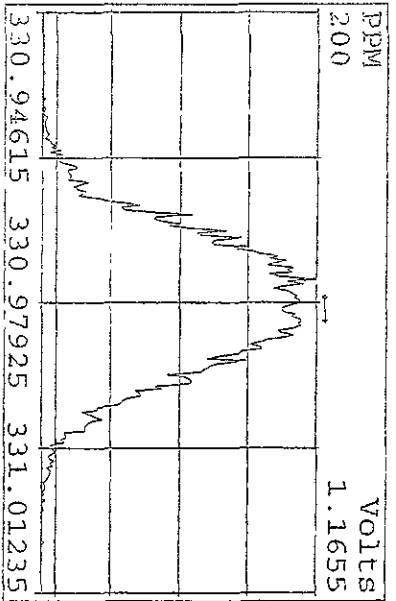
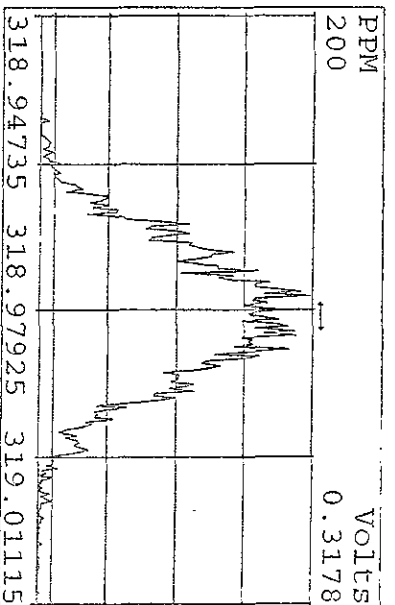
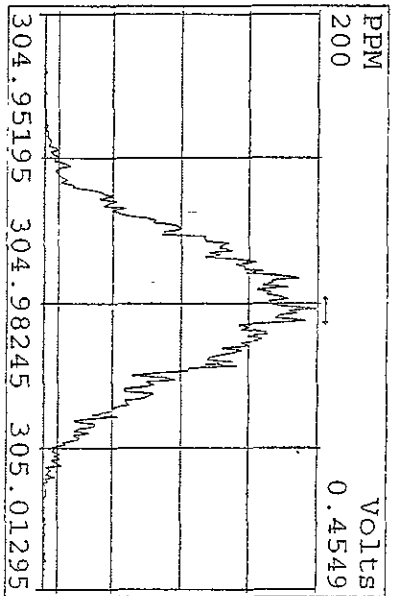
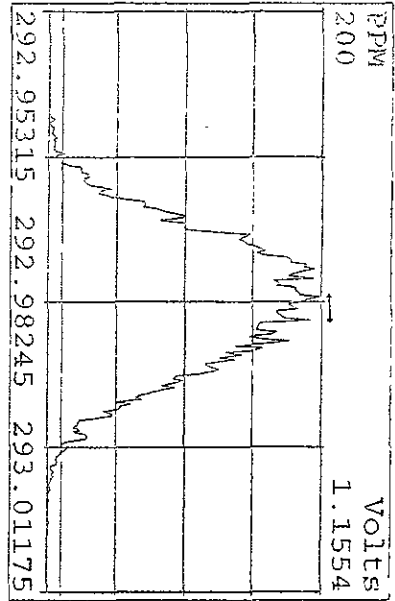
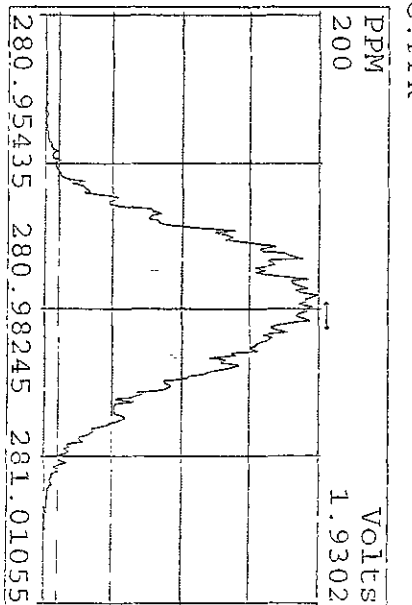
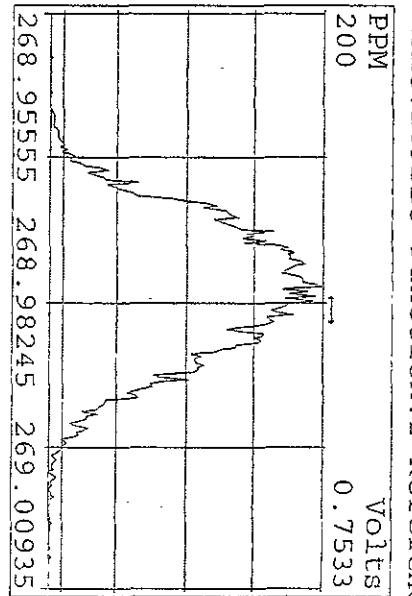
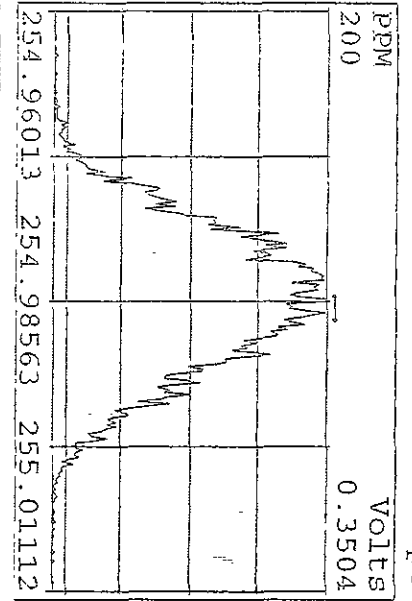




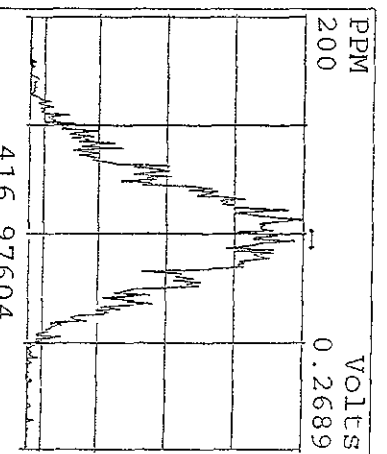
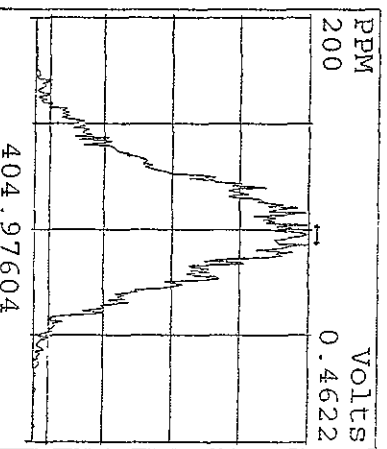
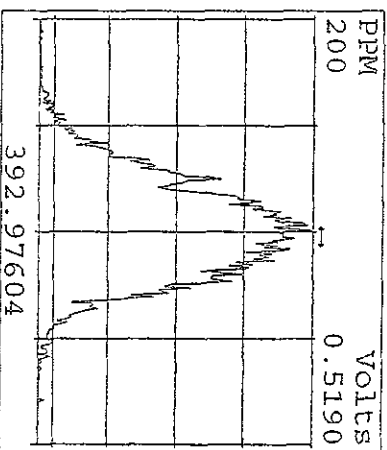
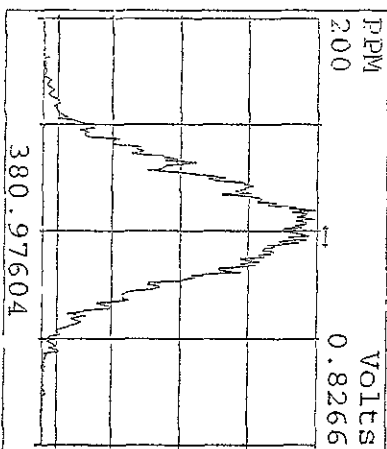
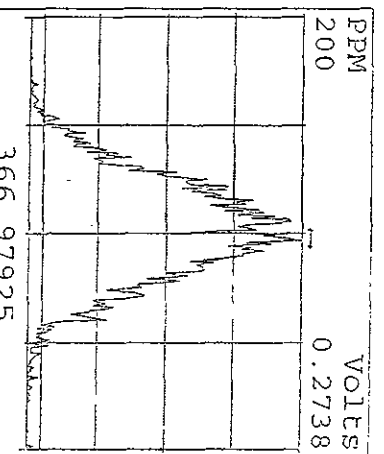
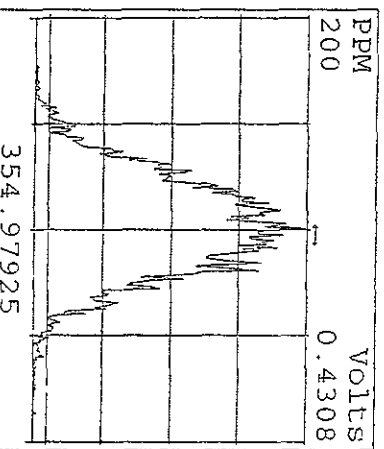
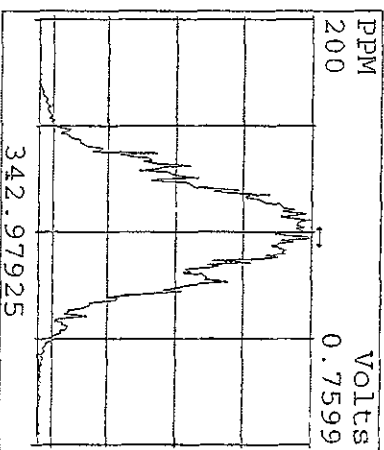
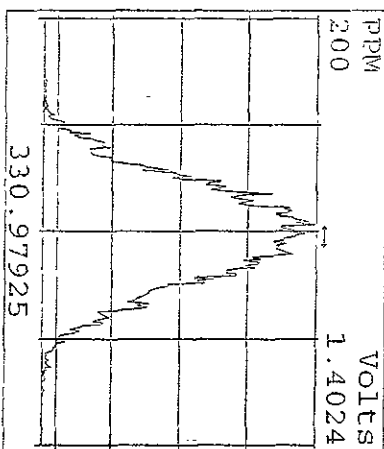
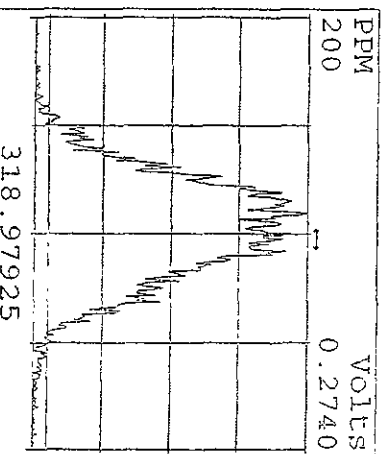
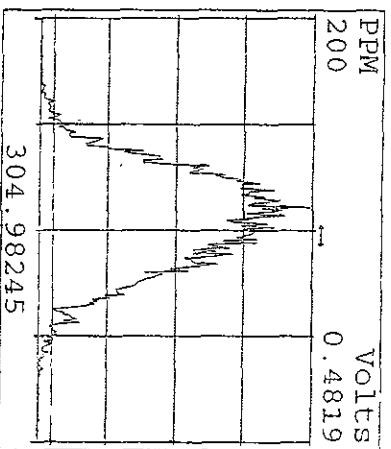
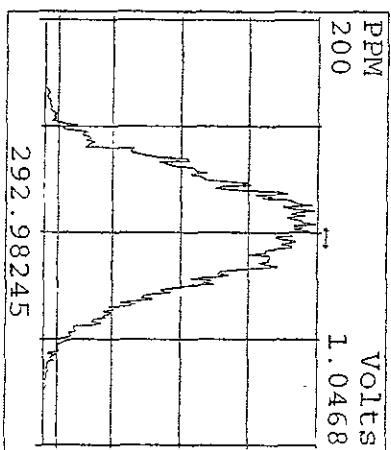
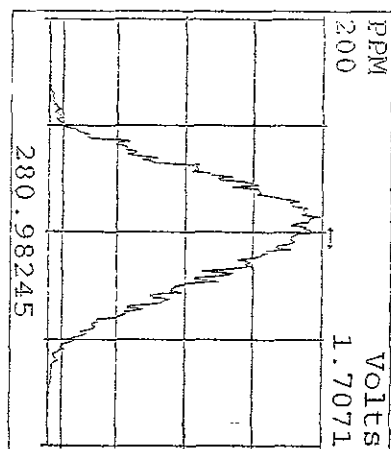
Peak Locate Examination: 5-MAY-2009:09:34 File:02MY099D5ENDRRES  
Experiment:209DB5 Function:1 Reference:PFK



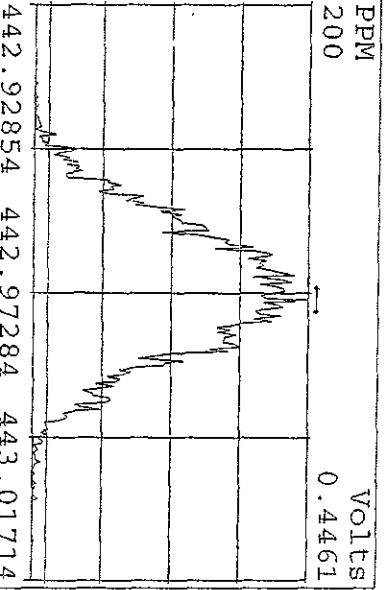
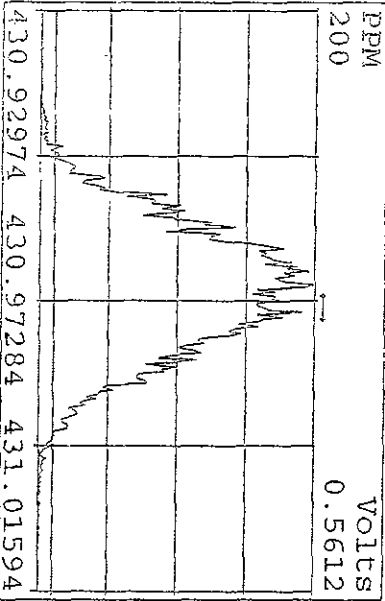
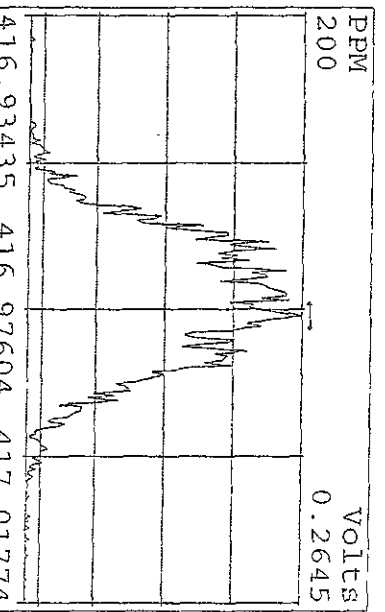
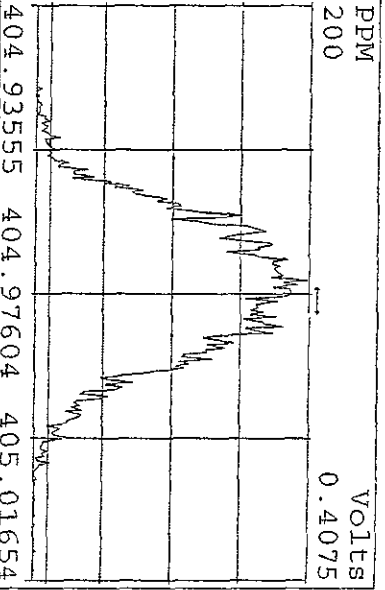
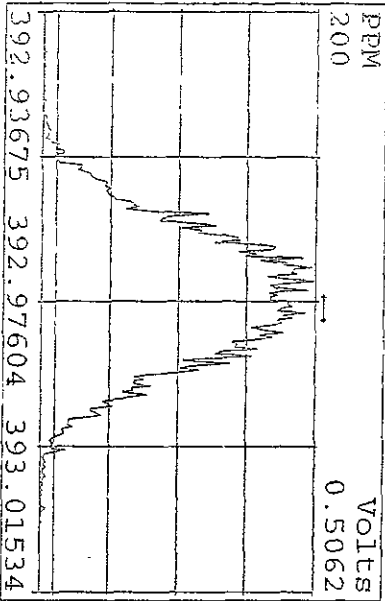
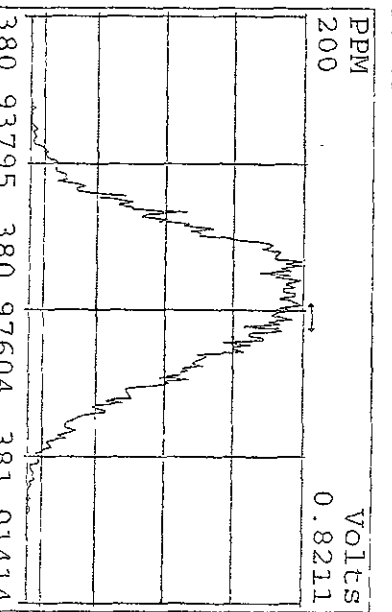
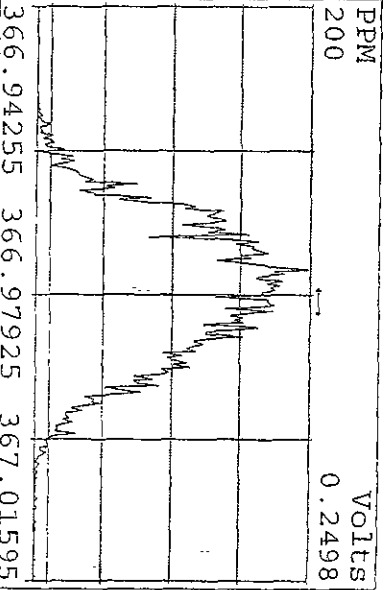
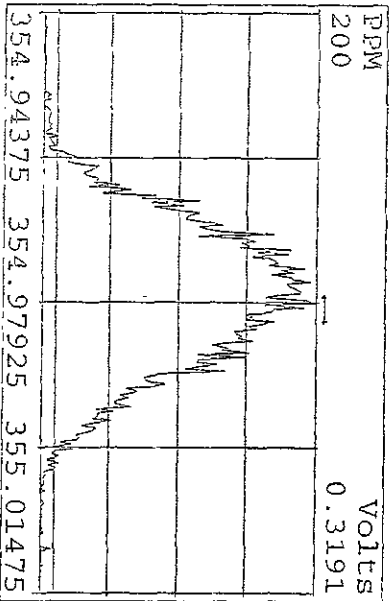
Peak Locate Examination: 5-MAY-2009:09:34 File:02MW099D5ENDRES  
 Experiment:209DB5 Function:2 Reference:PRK



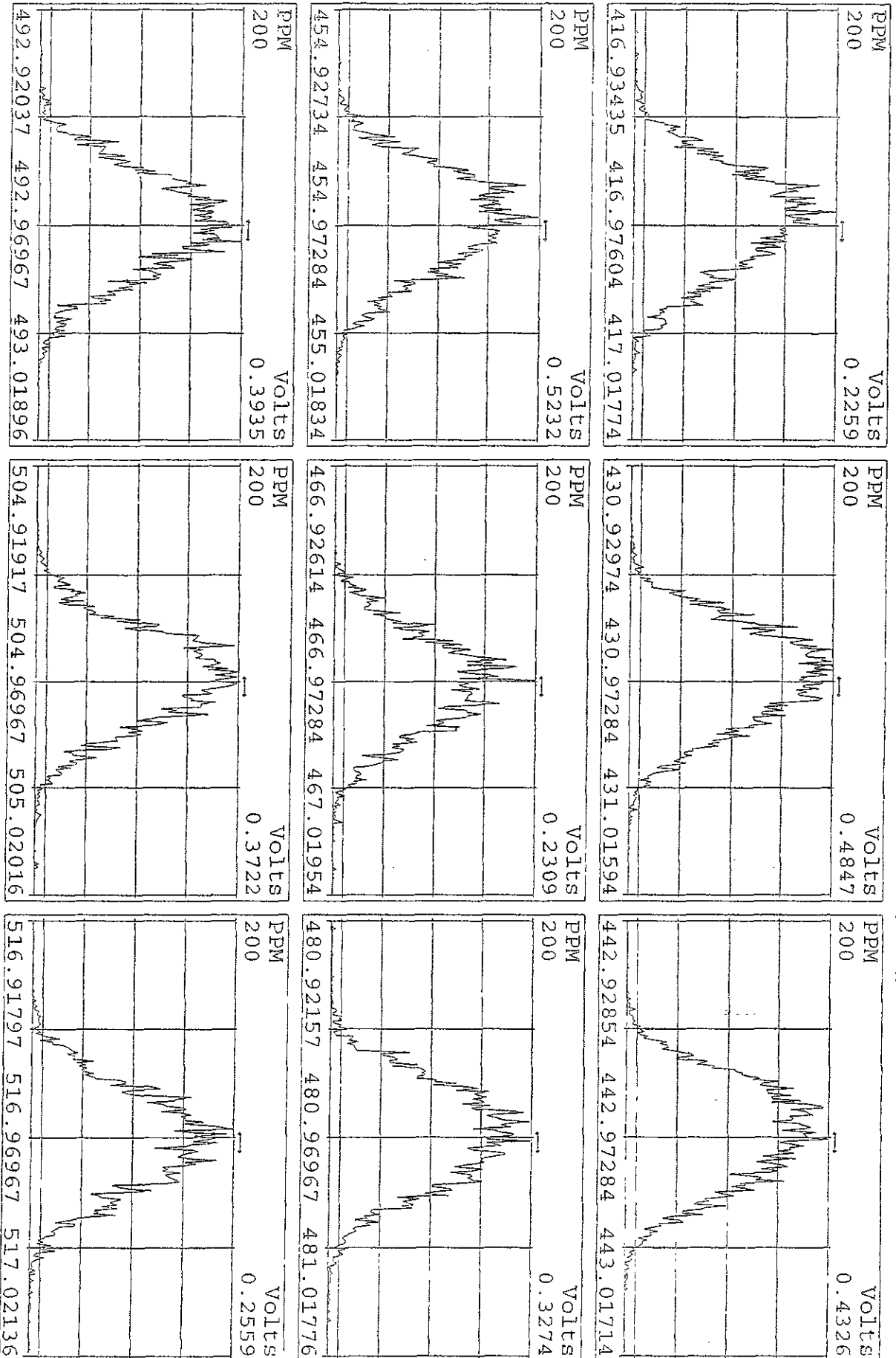
Peak Locate Examination: 5-MAY-2009:09:35 File:02MY099D5ENDRES  
Experiment:209DB5 Function:3 Reference:PK



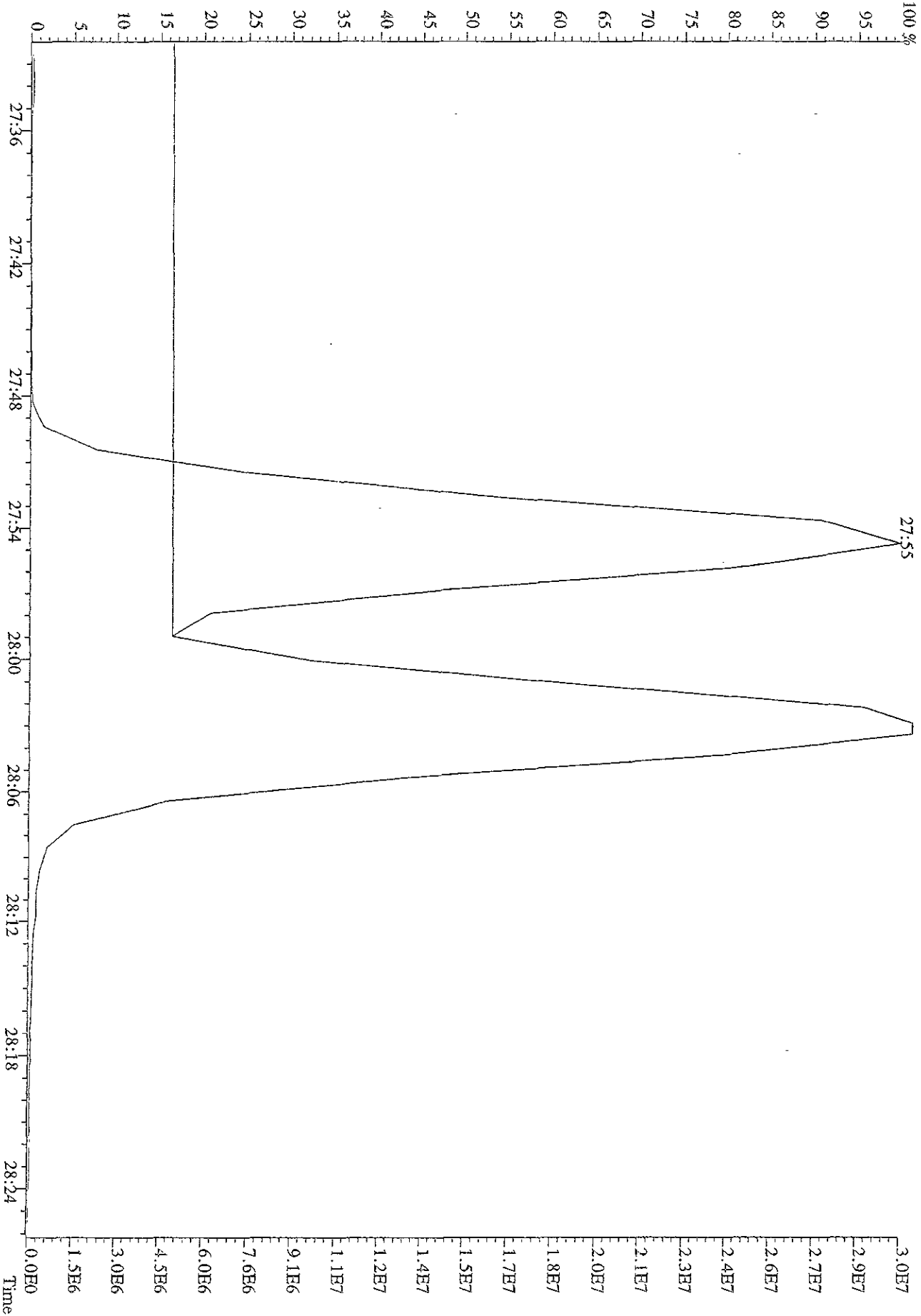
Peak Locate Examination: 5-MAY-2009:09:35 File:02MY099D5ENDRES  
 Experiment:209DB5 Function:4 Reference:PFK



Peak Locate Examination: 5-MAY-2009:09:35 File:02MY099D5ENDRES  
 Experiment:209DB5 Function:5 Reference:PHK



File:04MAY099D5 #1-594 Acq: 4-MAY-2009 12:43:52 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0501 :09DXN209 Exp:209DB5  
 325.8804 S:2 F:3



Run: CAL Analyte: 1668MSLDEC CAL: 1668MSLDEC0115099D5

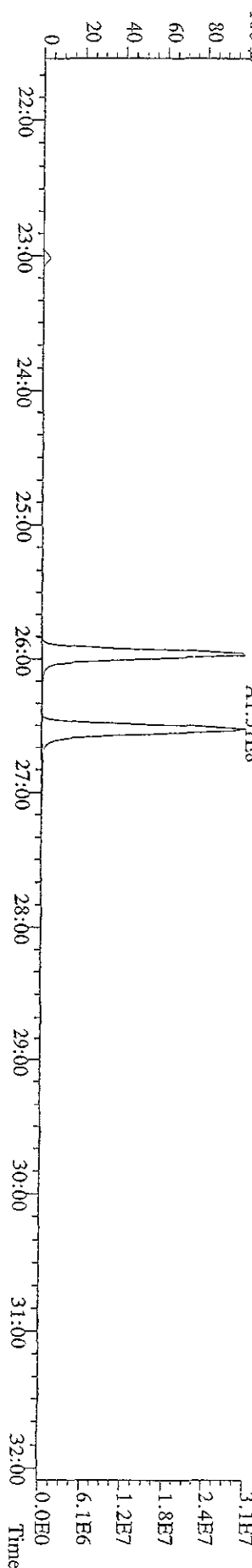
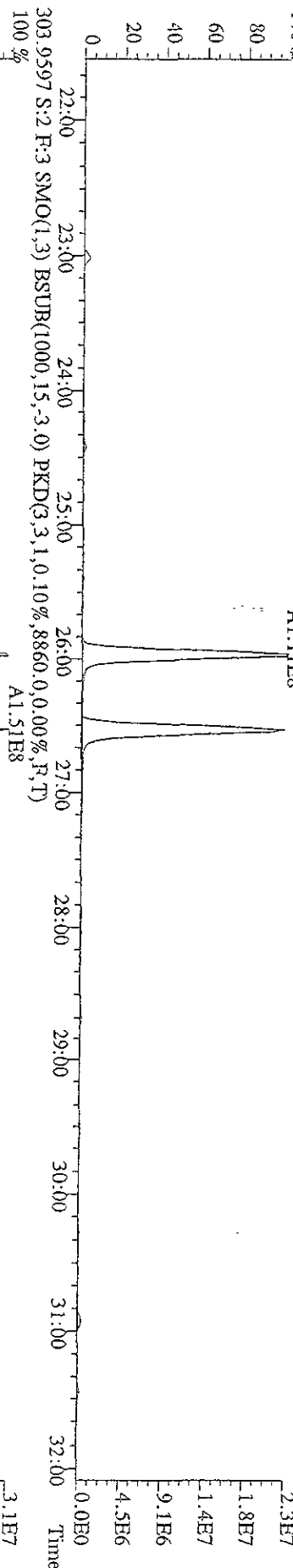
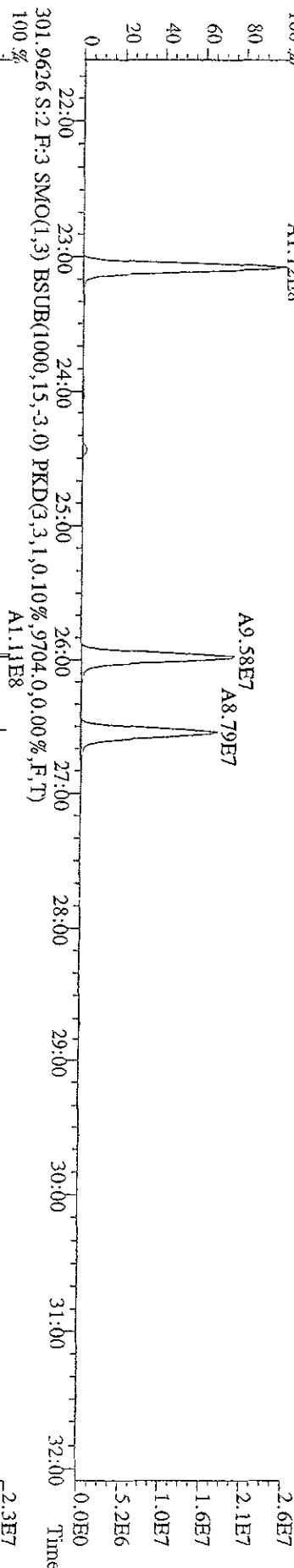
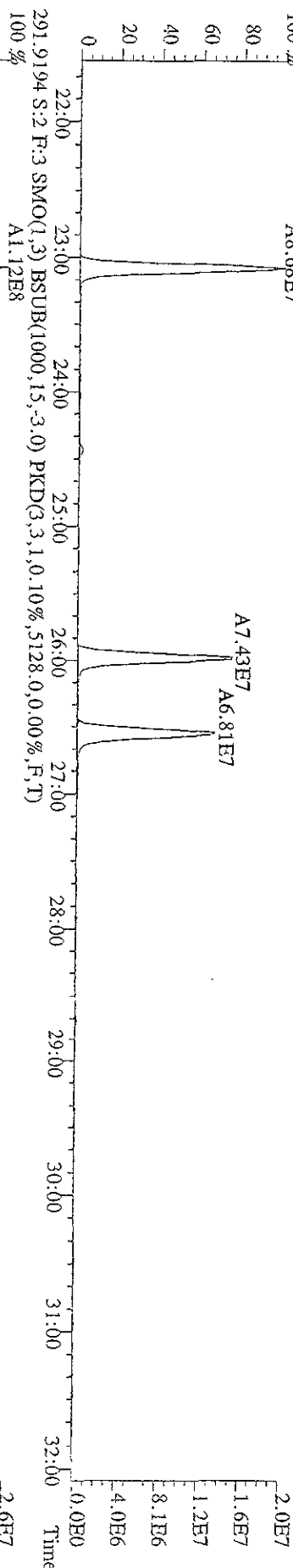
ST0115 : CS1 09DXN014 ST0115A : CS2 09DXN015 ST0115B : CS3 09DXN016  
 ST0115C : CS4 09DXN017 ST0115D : CS5 09DXN018

Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
				RRF1	RRF2	RRF3	RRF4	RRF5
13C-PeCB-101	-	-	- %	-	-	-	-	-
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DhCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27



File:04MAY099D5 #1-594 Acq: 4-MAY-2009 13:35:11 GC EI+ Voltage S1R Autospec-UltimaE  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4116,0,0,00%,F,T)  
 100% A8.68E7



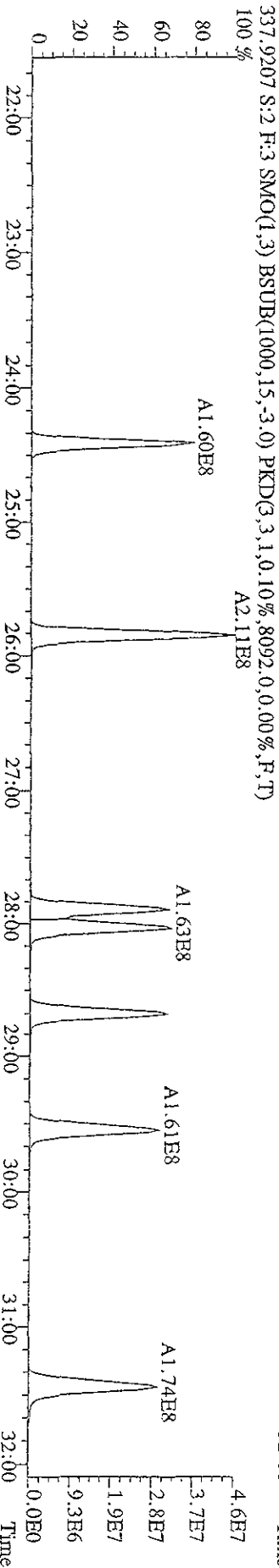
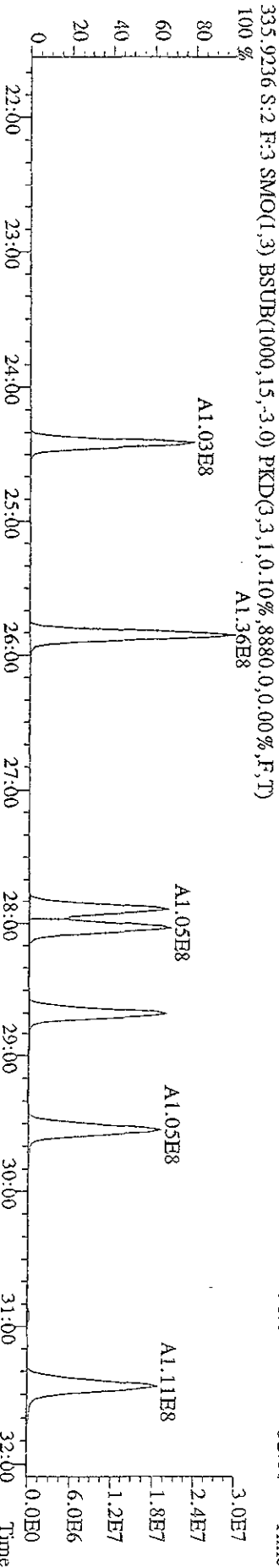
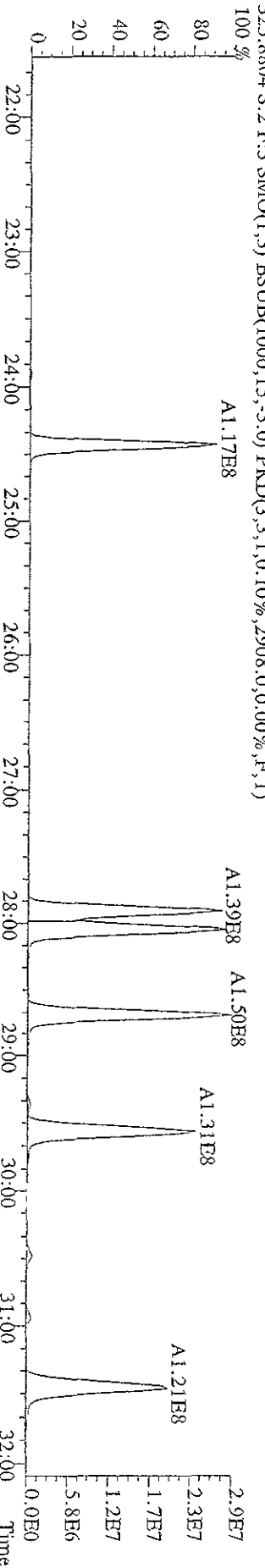
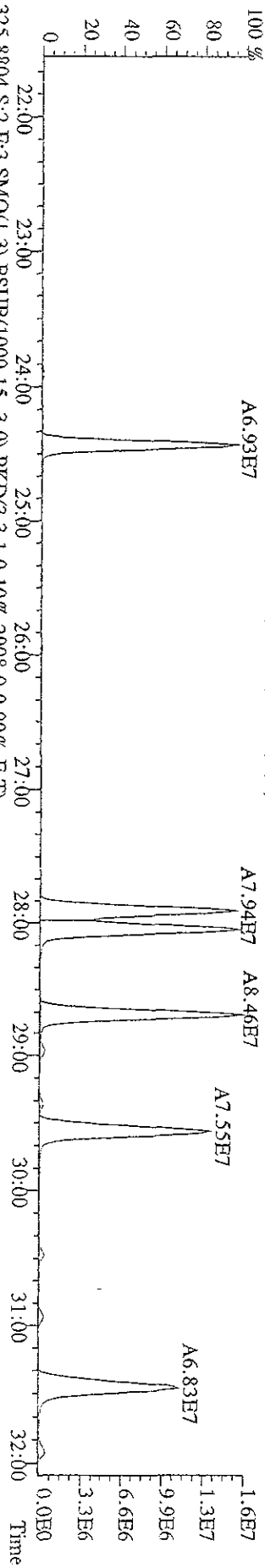
File:04MAY099D5 #1-594 Acq: 4-MAY-2009 13:35:11 GC EI+ Voltage SIF Autospec-Ultimate

Sample#2 Text:ST0501A :CS3 09DDXN016

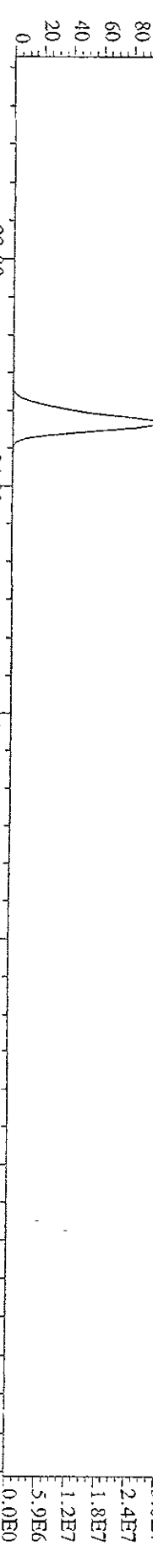
Exp:209DB5

323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4684,0,0,00%,F,T)

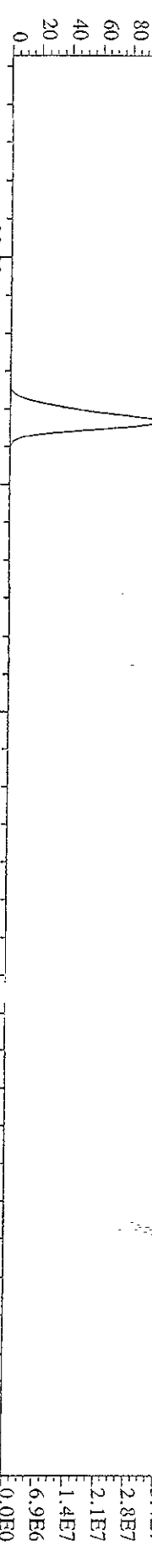
100 %



File:04MYY099D5 #1-381 Acq: 4-MAY-2009 13:35:11 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 439.8038 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,392.0,0.00%,F,T)  
 100% A1.65E8



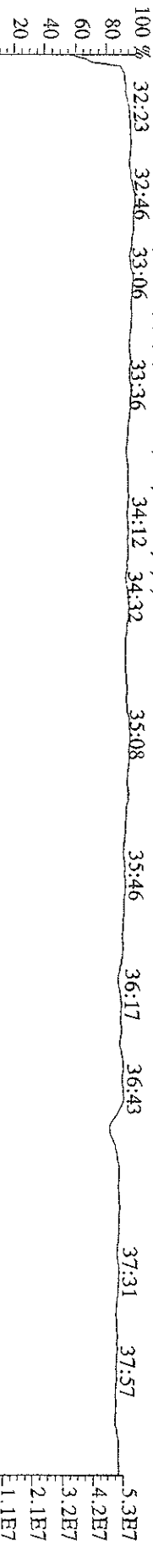
441.8008 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1744.0,0.00%,F,T)  
 100% A1.94E8



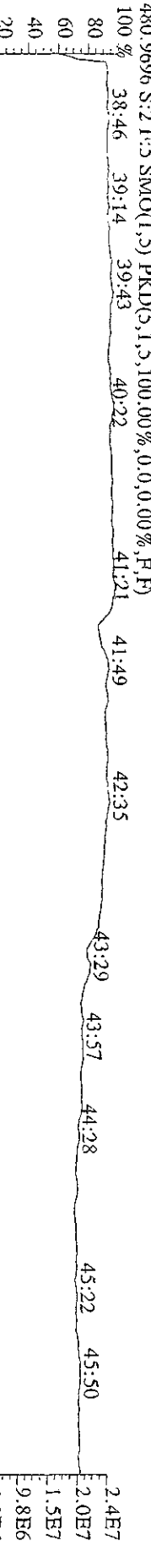
380.9760 S:2 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,H)  
 100% 21:58 23:07 23:52 24:29 25:15 25:54 27:00 27:33 28:05 29:22 30:02 30:45 31:39 32:00



480.9696 S:2 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,H)  
 100% 32:23 32:46 33:06 33:36 34:12 34:32 35:08 35:46 36:17 36:43 37:31 37:57 38:00

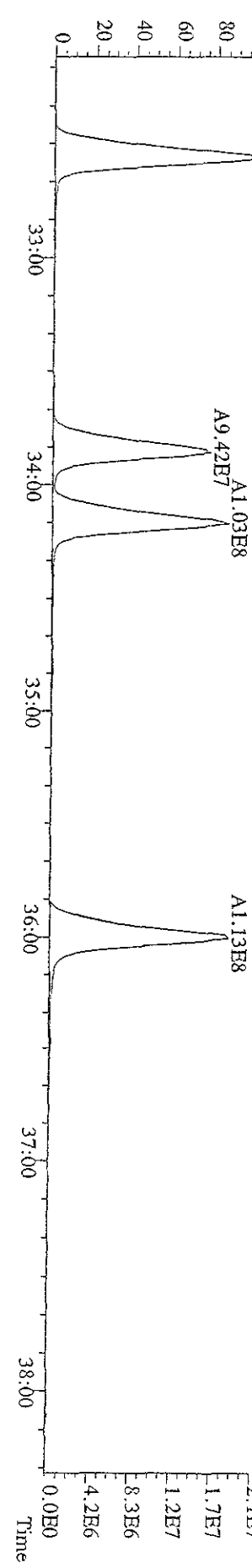
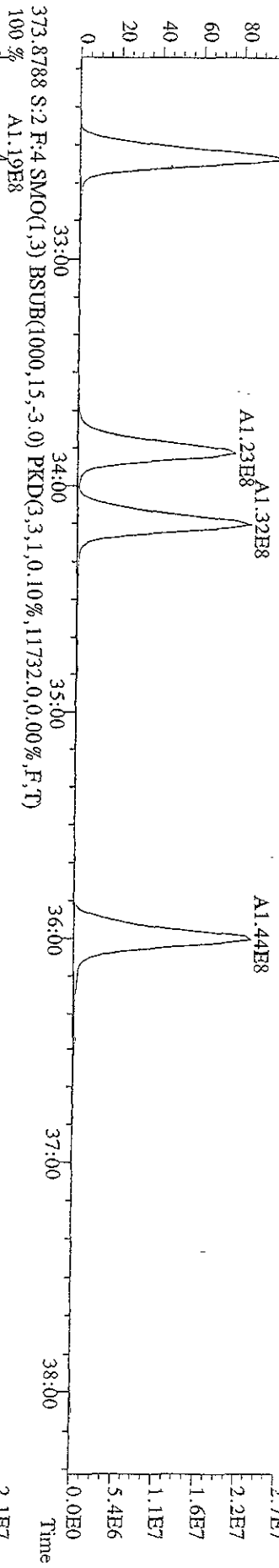
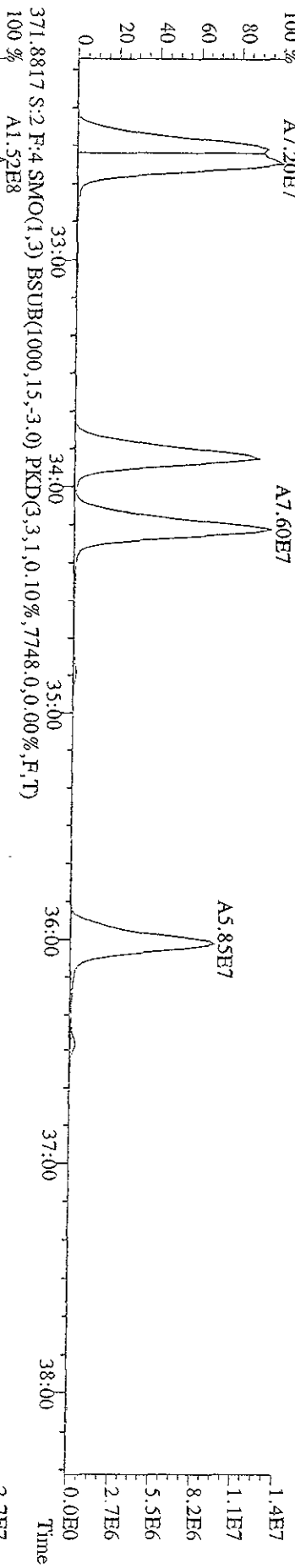
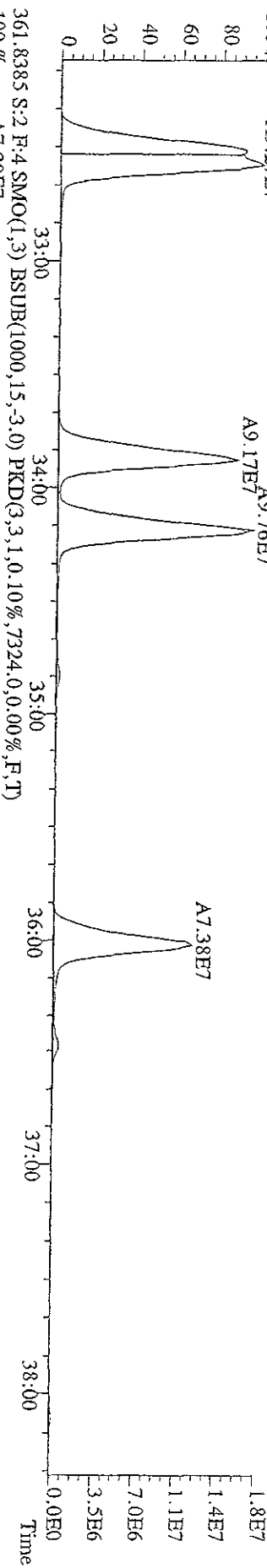


480.9696 S:2 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,H)  
 100% 38:46 39:14 39:43 40:22 41:21 41:49 42:35 43:29 43:57 44:28 45:22 45:50 46:00

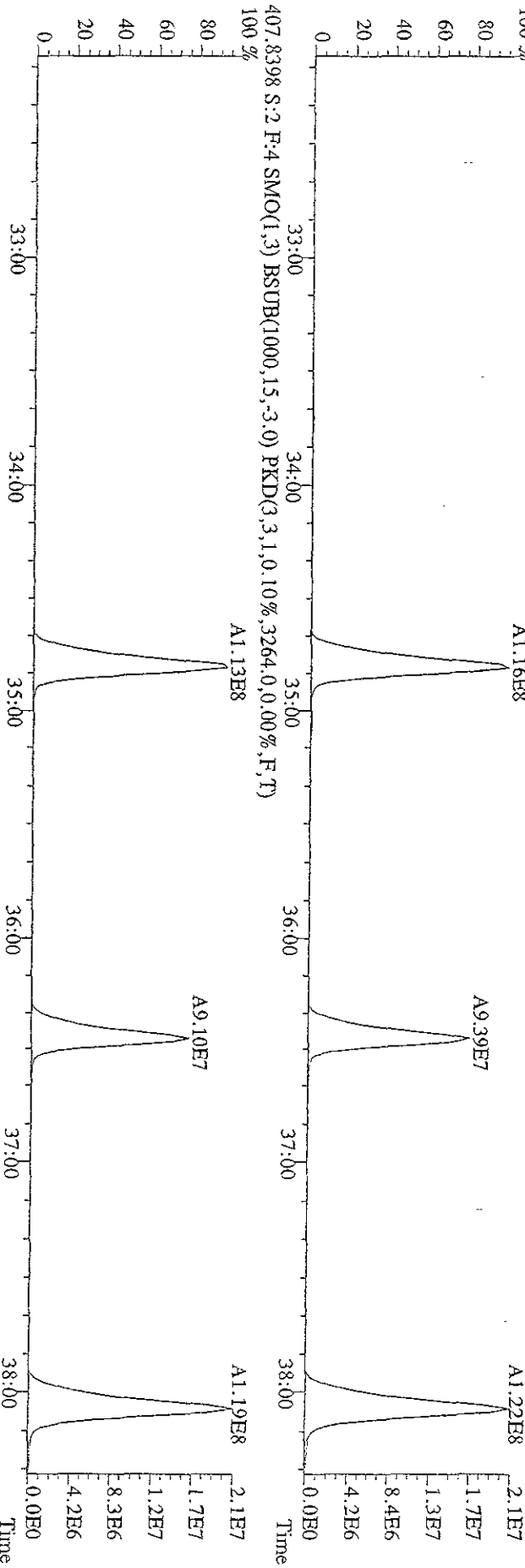
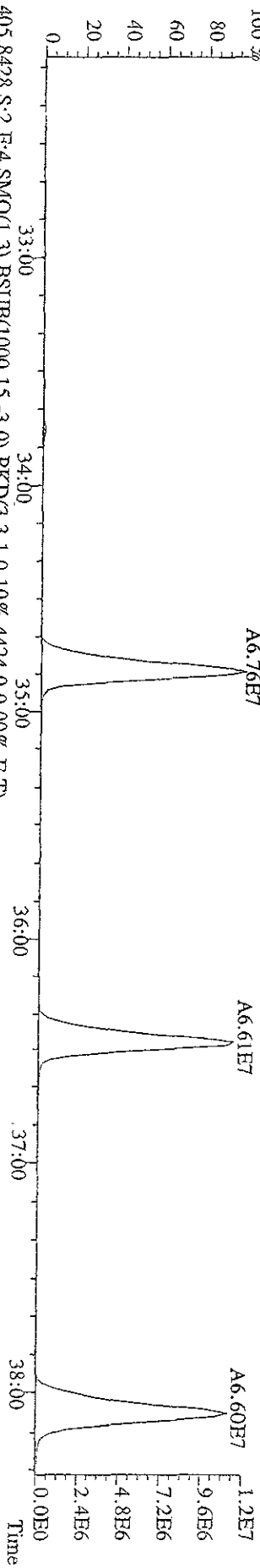
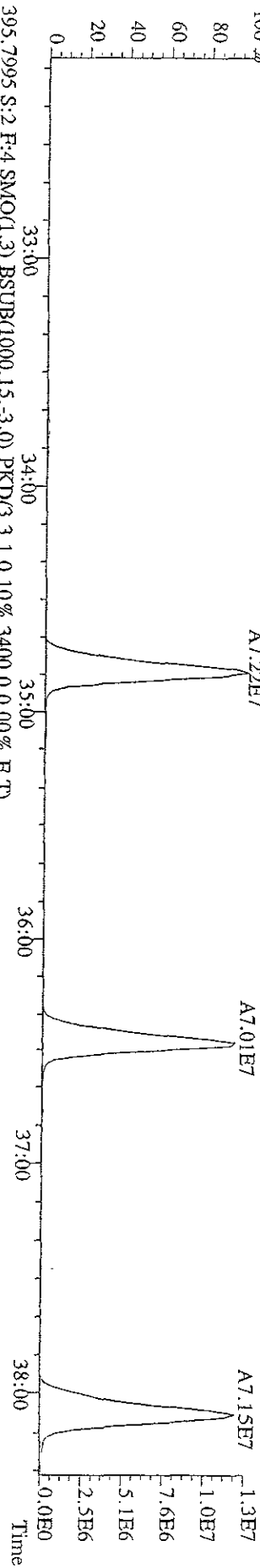


480.9696 S:2 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,H)  
 100% 38:46 39:14 39:43 40:22 41:21 41:49 42:35 43:29 43:57 44:28 45:22 45:50 46:00

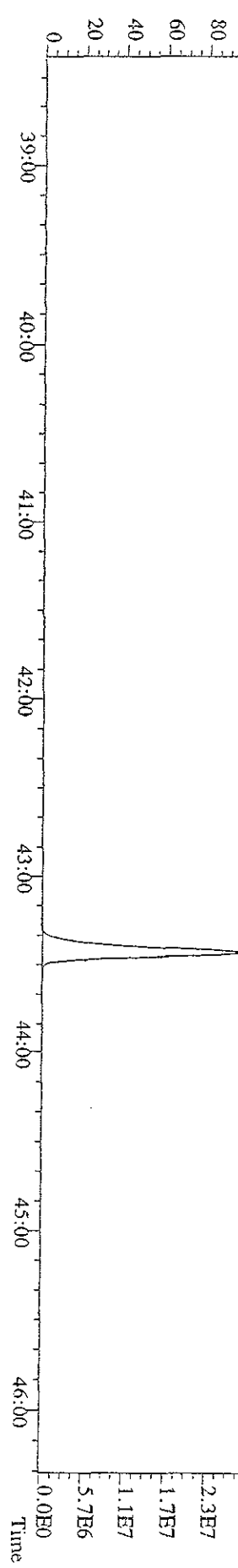
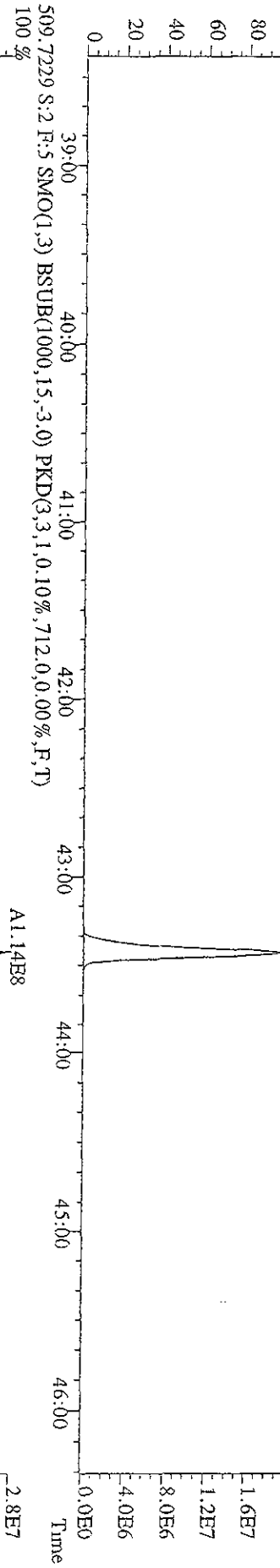
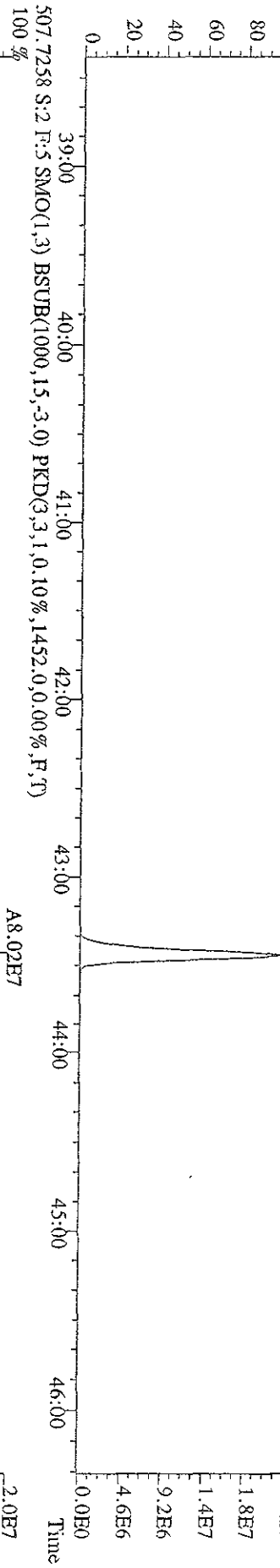
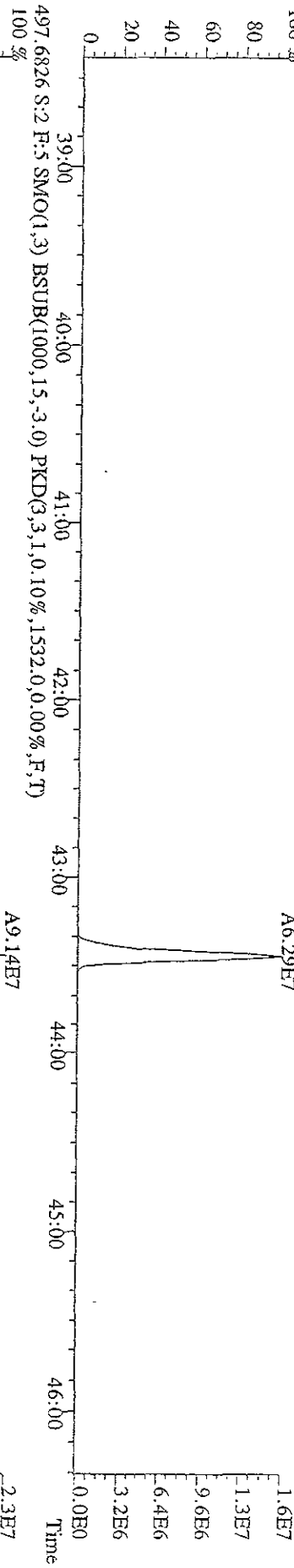
File:04MAY099D5 #1-381 Acq: 4MAY-2009 13:35:11 GC BI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10488.0,0.00%,F,T)  
 100%



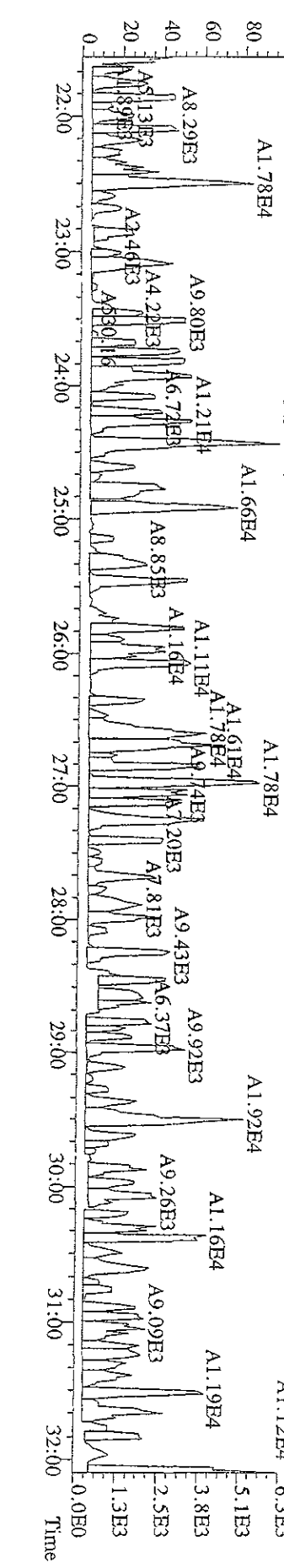
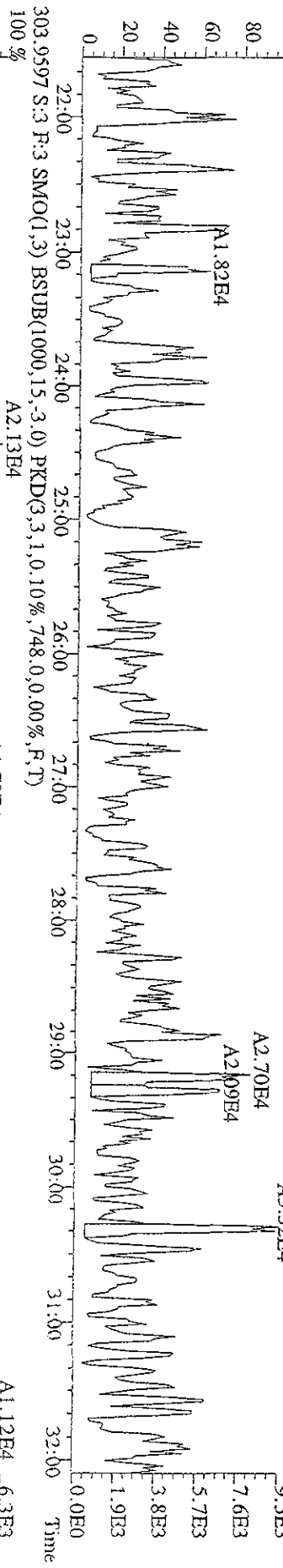
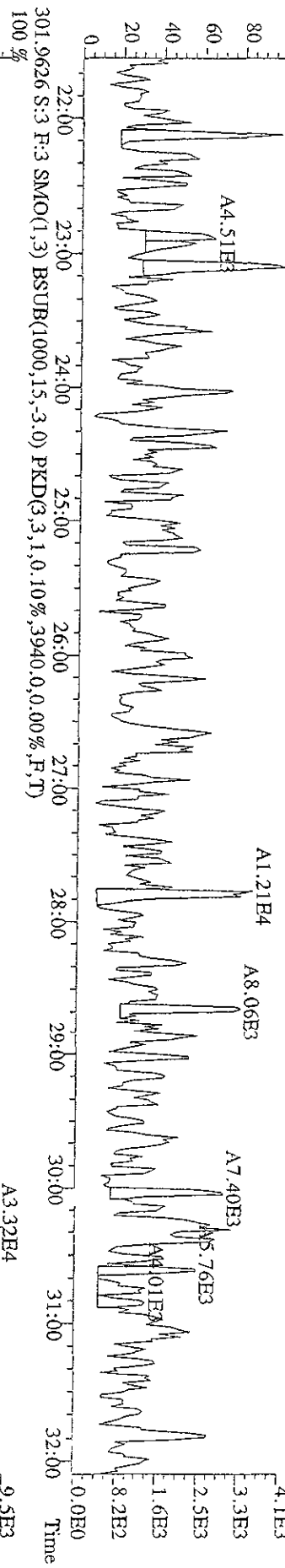
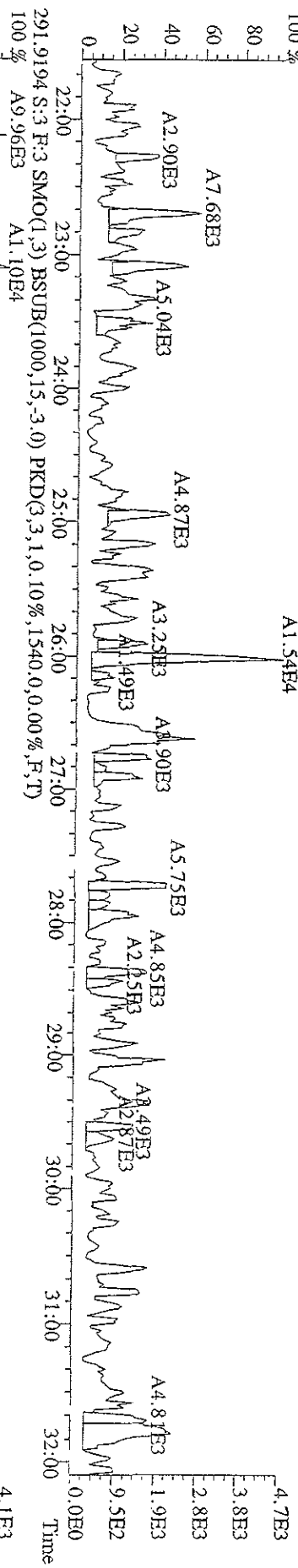
File:04MY099D5 #1-381 Acq: 4-MAY-2009 13:35:11 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6248.0,0.00%,F,T)  
 100 %



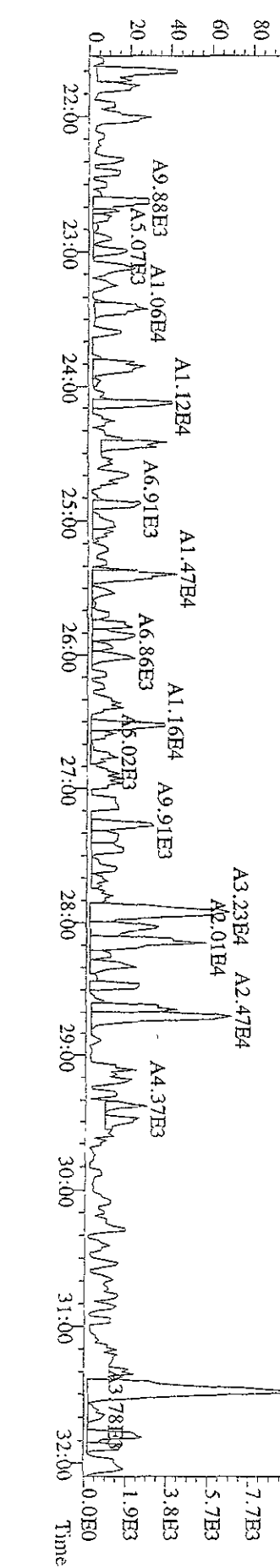
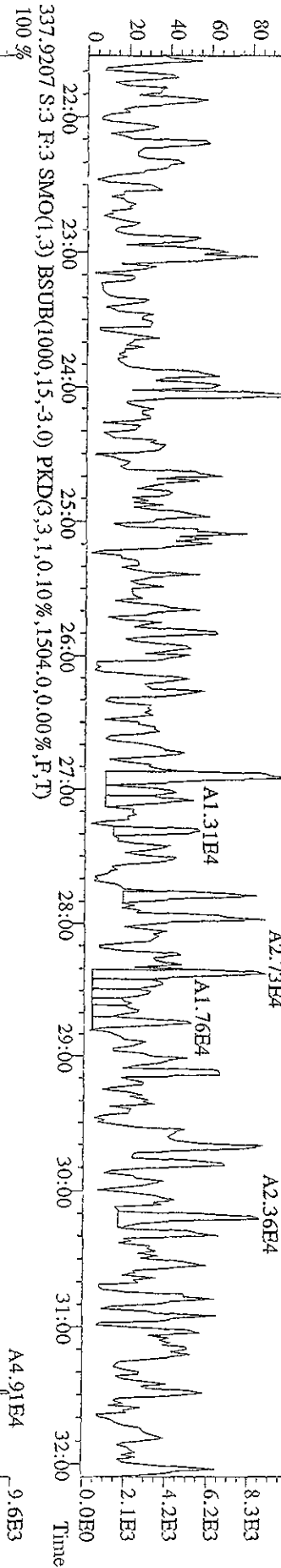
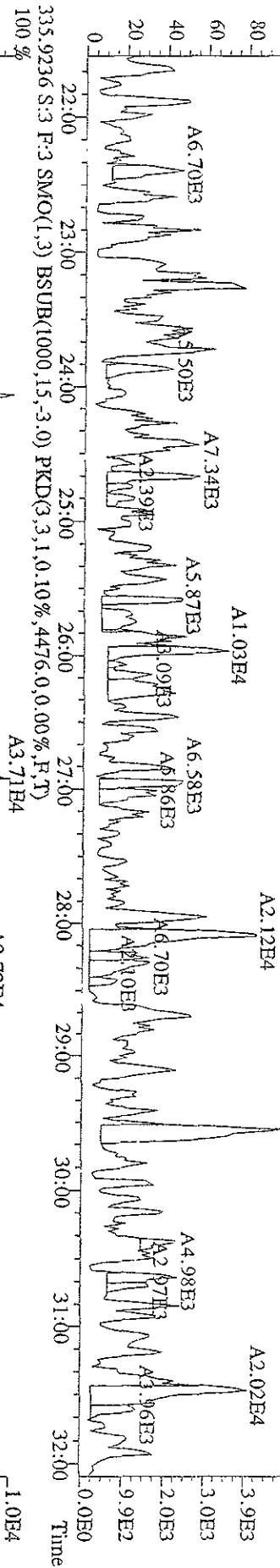
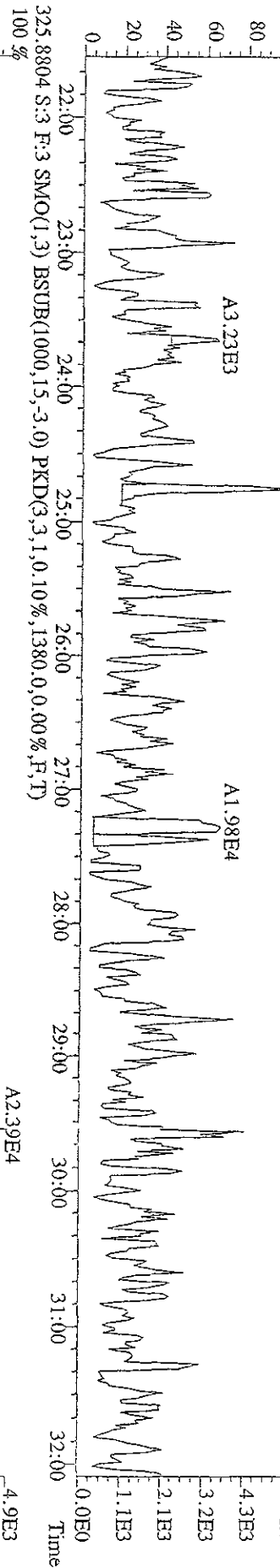
File:04MY099D5 #1-529 Acq: 4-MAY-2009 13:35:11 GC EI+ Voltage SIR Autospec-UHimaB  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 495.6856 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1740.0,0.00%,F,T)



File:04MAY09D5 #1-594 Acq: 4-MAY-2009 14:26:30 GC EI+ Voltage SIR Autospec-UltimaB  
Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,800,0,0,00%,F,T)  
A1.54E4



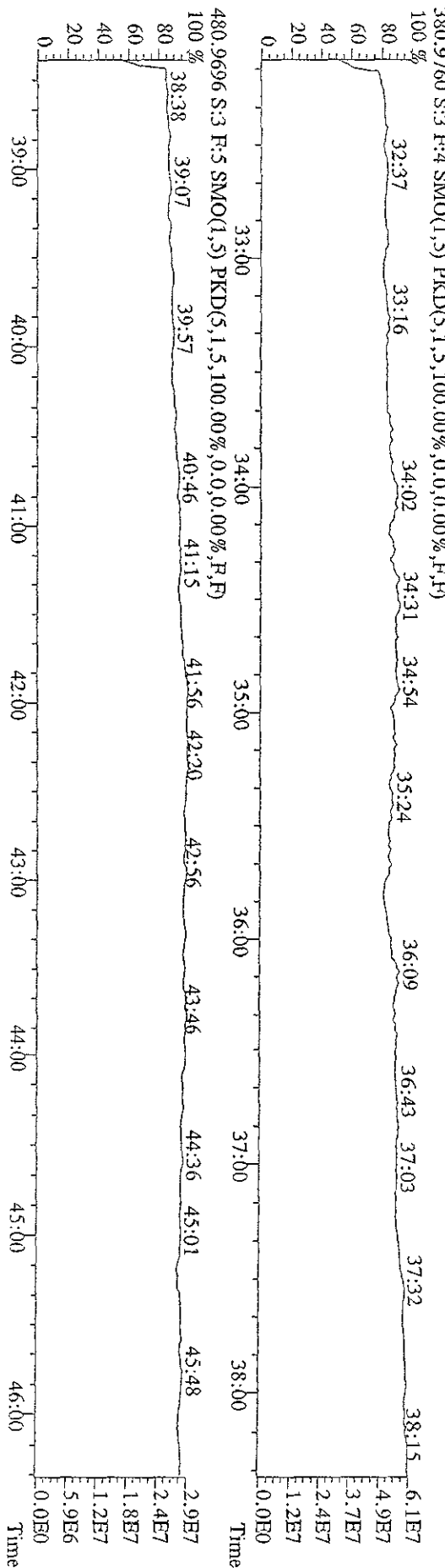
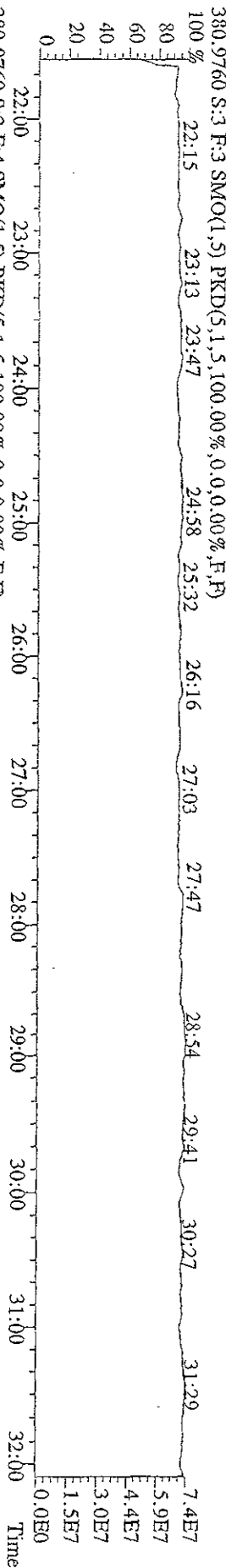
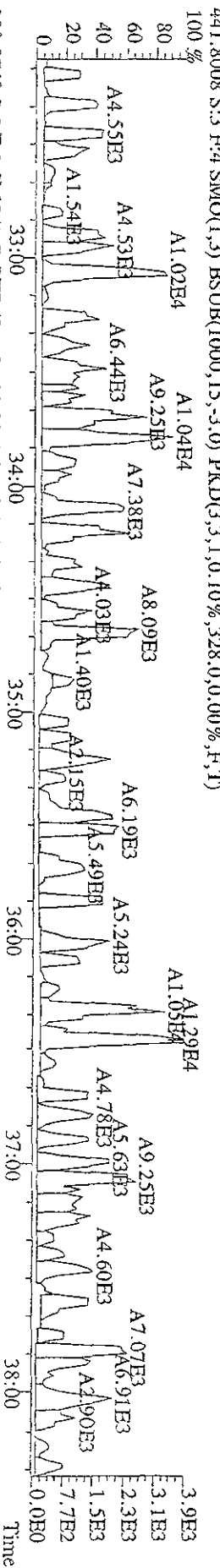
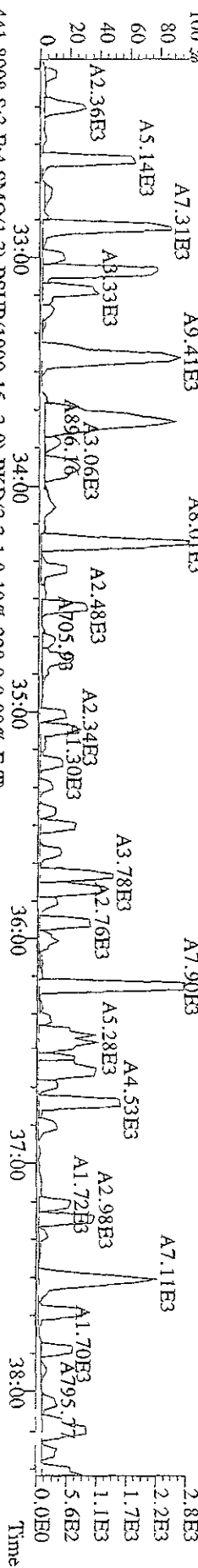
File:04MAY099D5 #1-594 Acq: 4-MAY-2009 14:26:30 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2096,0,0.00%,F,T)  
 100% A1.40E4





Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5

439.8038 S.3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,104,0,0,00%,F,T)

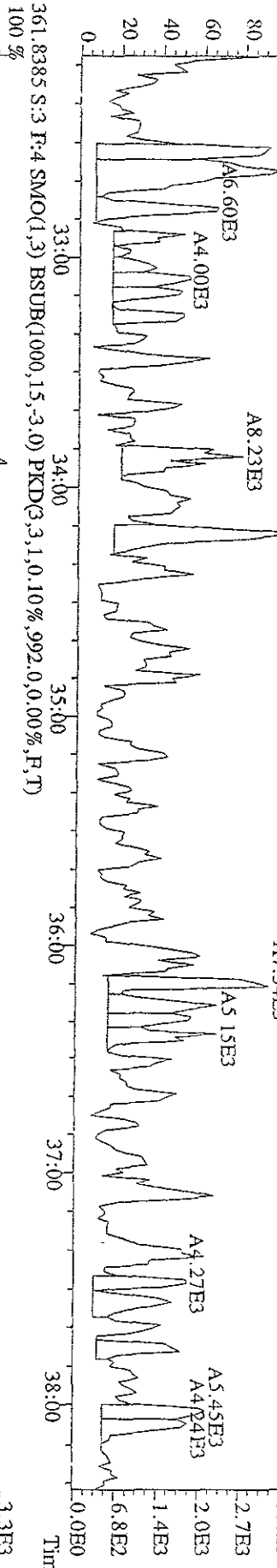


File:04MAY099D5 #1-381 Acq: 4-MAY-2009 14:26:30 GC EI+ Voltage SIR Autospec-Ultimate

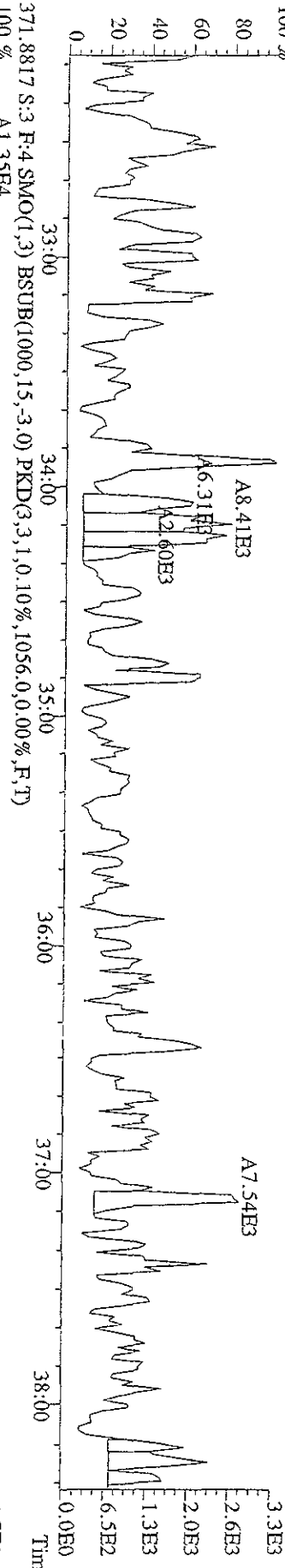
Sample#3 Text:SB0501 Solvent Blank C-12 Exp:209DB5

359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1048,0,0,00%,F,T)

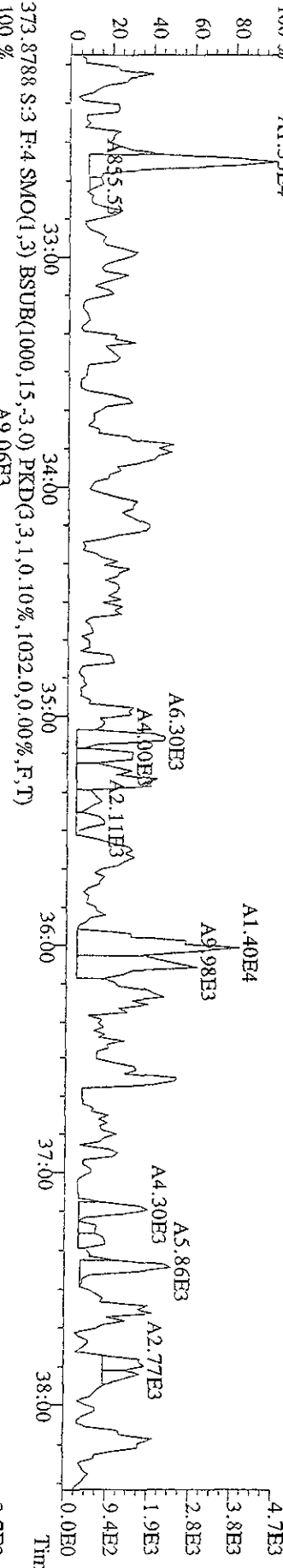
100% A1.72E4 A1.09E4



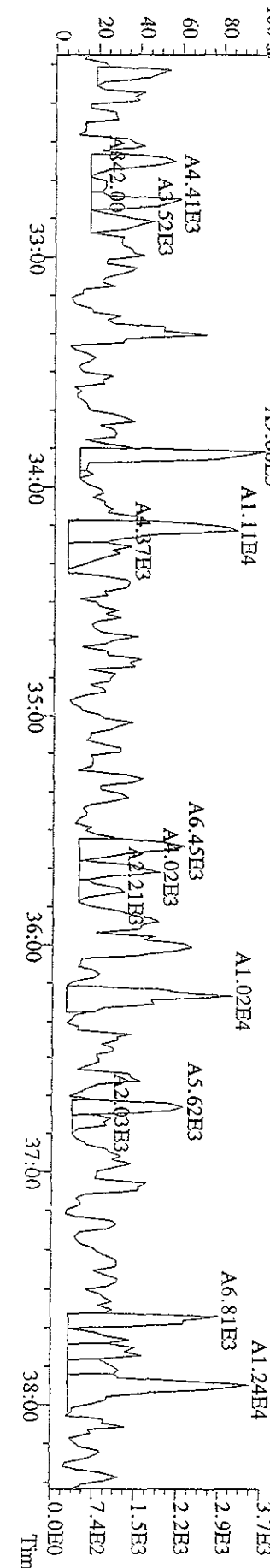
361.8385 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,992,0,0,00%,F,T)



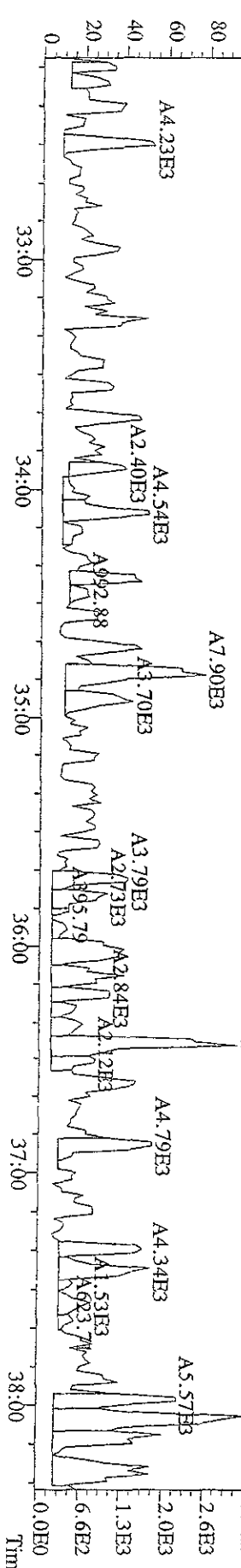
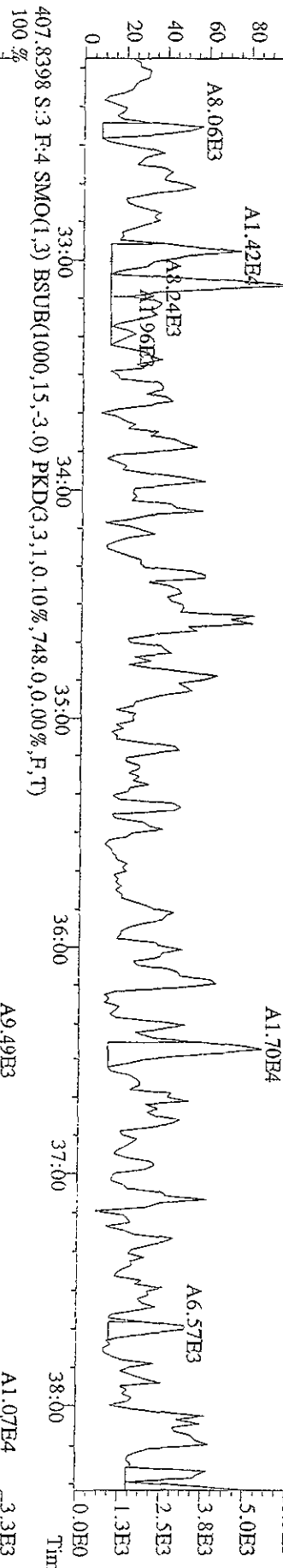
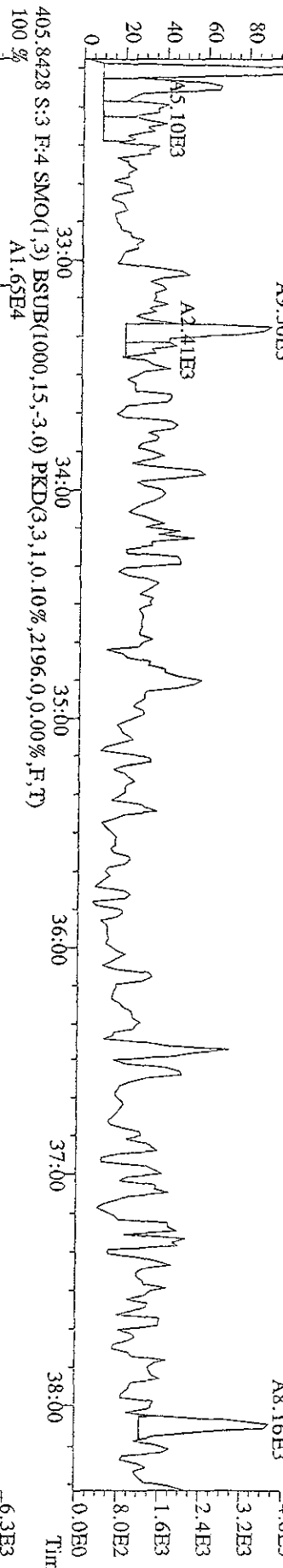
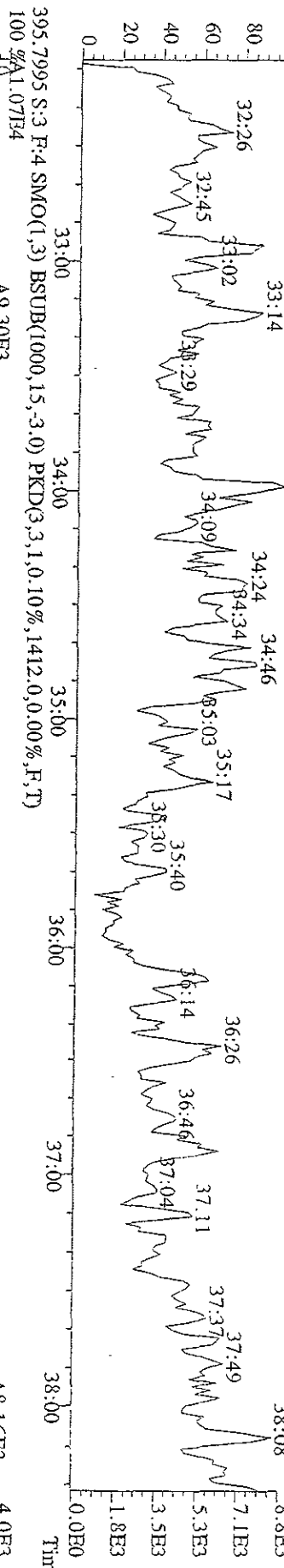
371.8817 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1056,0,0,00%,F,T)



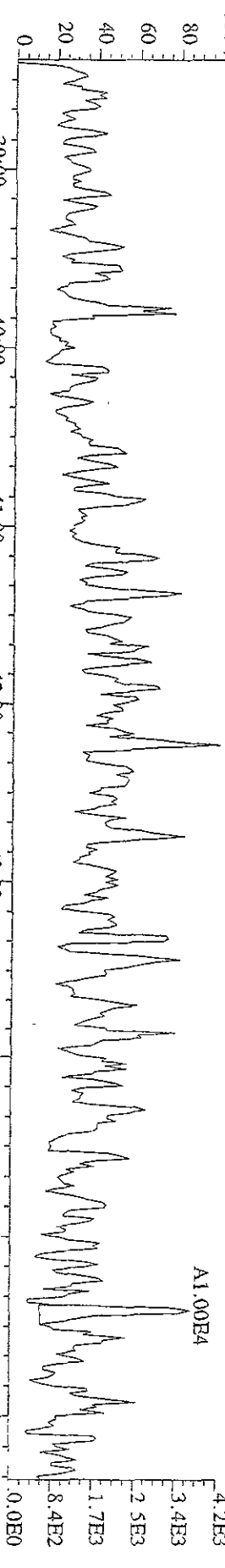
373.8788 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1032,0,0,00%,F,T)



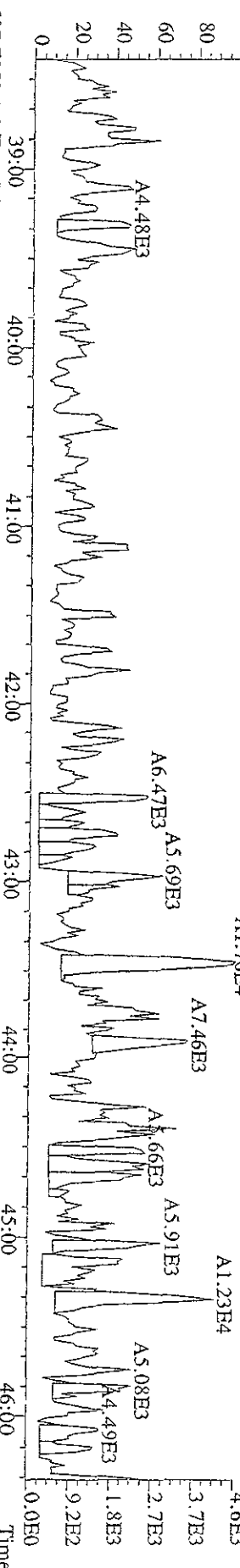
File: 04INMY099D5 #1-381 Acq: 4-MAY-2009 14:26:30 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#3 Text: SB0501 : Solvent Blank C-12 Exp: 209DB5  
 393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5712.0,0.00%,F,T)



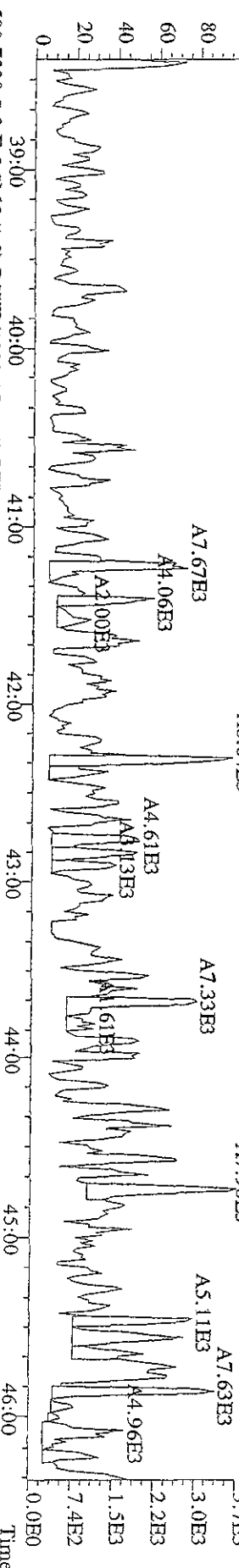
File:04MAY09D5 #1-529 Acq: 4-MAY-2009 14:26:30 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 495.6856 S.3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1972.0,0.00%,F,T)



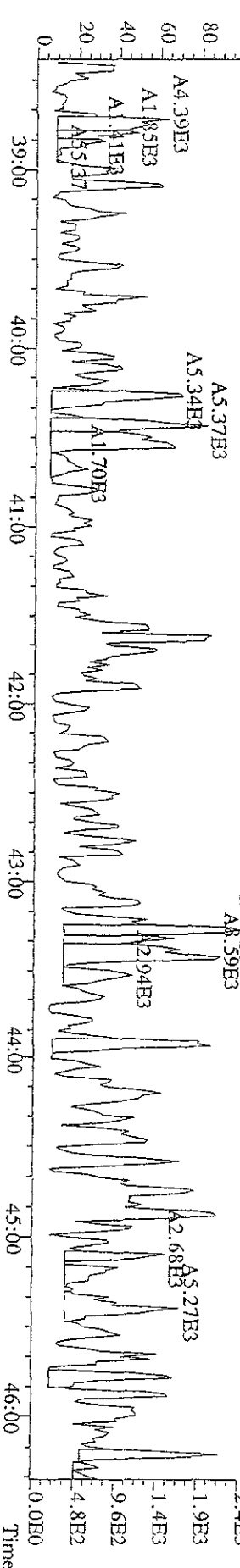
497.6826 S.3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1208.0,0.00%,F,T)



507.7258 S.3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1192.0,0.00%,F,T)



509.7229 S.3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,864.0,0.00%,F,T)



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID (1668MSL, 1668MDBS, 1668MSLDEL, 1668PCBS) 0115099D5

Method ID 1668M Date Scanned 4/28/09 gjs

Column ID DB-5 Instrument ID 9D5

STD ID's ST0115 + ST0115(A-D) STD Solution CPDXN (014-08)

GC Program 209D35 Multiplier Setting 404

Analyzed By AM/HAS Date Analyzed 1/15/09

Prepared By HAS Date Prepared 1/16/09

Reviewed By M.G. Date Reviewed 1/19/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	/	/
Hardcopies of chromatograms for CS1-CS5 present?	/	/
Copy of log-file present?	/	/
Static resolution check present?	/	/
Target file RT's correct?	/	/
%RSD within method-specified limits?*	/	/
Signal-to-noise criteria met?	/	/
Isotopic ratios within limits?	/	/
High point free of saturation?	/	/
Are chromatographic windows correct?	/	/
Manual reintegration's checked and hardcopies included?	/	/

COMMENTS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for natives and ±40% for labeled compounds; S/N ≥ 2.5  
1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 2.5

Run: CAL Analyte: 1668MSIDEC Cal: 1668MSIDEC0115099D5

ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09DD515JA09DD515JA09DD515JA09DD515JA09DD515JA09DD515JA09DD5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27



Run #1    Filename 15JA09D9D5    S: 1    I: 1  
 Acquired: 15-JAN-09    20:25:19    Processed: 16-JAN-09    15:15:27  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115 :CS1 09DXN014

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	199610800	0.65 y	25:23	-	100.00 n
13C-TCB-81	185693700	0.78 y	27:00	0.9303	100.00 n
TCB-81	2422266	0.68 y	27:01	1.3044	1.00 n
13C-TCB-77	194359500	0.80 y	27:34	0.9737	100.00 n
TCB-77	1969891	0.83 y	27:35	1.0135	1.00 n
13C-PeCB-123	166450700	0.65 y	28:54	0.8339	100.00 n
PeCB-123	2551600	0.67 y	28:55	1.5329	1.00 n
13C-PeCB-118	192926200	0.65 y	29:02	0.9665	100.00 n
PeCB-118/106	2948540	0.56 y	29:03	1.5283	1.00 n
13C-PeCB-114	190199200	0.65 y	29:41	0.9528	100.00 n
PeCB-114	3091930	0.56 y	29:42	1.6256	1.00 n
13C-PeCB-105	175973900	0.66 y	30:34	0.8816	100.00 n
PeCB-105/127	2519762	0.57 y	30:35	1.4319	1.00 n
13C-PeCB-126	176574800	0.65 y	32:30	0.8846	100.00 n
PeCB-126	2054057	0.56 y	32:31	1.1633	1.00 n
13C-OcCB-202	212477100	0.87 y	34:43	-	100.00 n
13C-HxCB-167	170138000	1.26 y	33:36	0.8007	100.00 n
HxCB-167	1881460	1.19 y	33:37	1.1058	1.00 y
13C-HxCB-156	134149800	1.28 y	34:53	0.6314	100.00 n
HxCB-156	1989175	1.35 y	34:54	1.4828	1.00 y
13C-HxCB-157	143553000	1.26 y	35:12	0.6756	100.00 n
HxCB-157	2106500	1.23 y	35:13	1.4674	1.00 n
13C-HxCB-169	146322800	1.26 y	37:05	0.6887	100.00 n
HxCB-169	1350130	1.32 y	37:06	0.9227	1.00 n
13C-HpCB-180	124212300	1.03 y	35:49	0.5846	100.00 n
HpCB-180	1524803	1.00 y	35:50	1.2276	1.00 n
13C-HpCB-170	97418600	1.05 y	37:29	0.4585	100.00 n
HpCB-170/190	1658961	1.09 y	37:30	1.7029	1.00 n
13C-HpCB-189	123177500	1.04 y	39:07	0.5797	100.00 n
HpCB-189	1353507	1.09 y	39:08	1.0988	1.00 n
13C-DeCB-209	93890300	0.73 y	44:04	0.4419	100.00 n
DeCB-209	1476592	0.79 y	44:05	1.5727	1.00 n
13C-PeCB-111	251775800	0.65 y	26:50	1.3881	100.00 n

Run #2 Filename 15JA09D9D5 S: 2 I: 1  
 Acquired: 15-JAN-09 21:16:36 Processed: 16-JAN-09 15:15:28  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115A :CS2 09DXN015

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	260995000	0.65 y	25:23	-	100.00 n
13C-TCB-81	249140000	0.78 y	26:59	0.9546	100.00 n
TCB-81	16061260	0.76 y	27:00	1.2893	5.00 n
13C-TCB-77	264238000	0.77 y	27:34	1.0124	100.00 n
TCB-77	14325810	0.78 y	27:35	1.0843	5.00 n
13C-PeCB-123	234556000	0.65 y	28:54	0.8987	100.00 n
PeCB-123	18341690	0.59 y	28:55	1.5639	5.00 n
13C-PeCB-118	256914000	0.65 y	29:03	0.9844	100.00 n
PeCB-118/106	20151520	0.57 y	29:04	1.5687	5.00 n
13C-PeCB-114	250979200	0.66 y	29:41	0.9616	100.00 n
PeCB-114	20878680	0.58 y	29:42	1.6638	5.00 n
13C-PeCB-105	236551000	0.66 y	30:35	0.9063	100.00 n
PeCB-105/127	17595610	0.59 y	30:36	1.4877	5.00 n
13C-PeCB-126	248209700	0.65 y	32:31	0.9510	100.00 n
PeCB-126	14246760	0.58 y	32:32	1.1480	5.00 n
13C-OcCB-202	281047000	0.88 y	34:44	-	100.00 n
13C-HxCB-167	239554000	1.25 y	33:35	0.8524	100.00 n
HxCB-167	14283760	1.30 y	33:36	1.1925	5.00 y
13C-HxCB-156	191560200	1.29 y	34:54	0.6816	100.00 n
HxCB-156	14097740	1.24 y	34:55	1.4719	5.00 n
13C-HxCB-157	203989500	1.25 y	35:13	0.7258	100.00 n
HxCB-157	14921860	1.23 y	35:14	1.4630	5.00 n
13C-HxCB-169	217321000	1.26 y	37:06	0.7733	100.00 n
HxCB-169	10658530	1.26 y	37:07	0.9809	5.00 n
13C-HpCB-180	164976900	1.05 y	35:50	0.5870	100.00 n
HpCB-180	11114430	1.12 y	35:51	1.3474	5.00 n
13C-HpCB-170	134170200	1.07 y	37:29	0.4774	100.00 n
HpCB-170/190	11010430	1.08 y	37:30	1.6413	5.00 n
13C-HpCB-189	176083100	1.06 y	39:08	0.6265	100.00 n
HpCB-189	10942400	1.12 y	39:09	1.2429	5.00 n
13C-DeCB-209	137327200	0.71 y	44:04	0.4886	100.00 n
DECB-209	10345550	0.68 y	44:04	1.5067	5.00 n
13C-PeCB-111	340992000	0.65 y	26:51	1.3932	100.00 n

Run #3 Filename 15JA09D9D5 S: 3 I: 1  
 Acquired: 15-JAN-09 22:07:59 Processed: 16-JAN-09 15:15:28  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115B :CS3 09DXN016

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	247603800	0.65 y	25:22	-	100.00	n
13C-TCB-81	233777000	0.77 y	26:59	0.9442	100.00	n
TCB-81	149921700	0.75 y	27:00	1.2826	50.00	n
13C-TCB-77	238978000	0.76 y	27:33	0.9652	100.00	n
TCB-77	138181800	0.73 y	27:34	1.1564	50.00	n
13C-PeCB-123	215123600	0.65 y	28:53	0.8688	100.00	n
PeCB-123	162536900	0.59 y	28:54	1.5111	50.00	n
13C-PeCB-118	245223200	0.66 y	29:02	0.9904	100.00	n
PeCB-118/106	190014200	0.59 y	29:03	1.5497	50.00	n
13C-PeCB-114	238819200	0.65 y	29:41	0.9645	100.00	n
PeCB-114	188844900	0.59 y	29:42	1.5815	50.00	n
13C-PeCB-105	218554600	0.65 y	30:34	0.8827	100.00	n
PeCB-105/127	155882200	0.59 y	30:35	1.4265	50.00	n
13C-PeCB-126	216706200	0.65 y	32:30	0.8752	100.00	n
PeCB-126	130429700	0.59 y	32:31	1.2037	50.00	n
13C-OcCB-202	255723000	0.85 y	34:43	-	100.00	n
13C-HxCB-167	215596800	1.26 y	33:35	0.8431	100.00	n
HxCB-167	124009600	1.25 y	33:36	1.1504	50.00	n
13C-HxCB-156	170578000	1.29 y	34:53	0.6670	100.00	n
HxCB-156	124140900	1.27 y	34:54	1.4555	50.00	n
13C-HxCB-157	180842200	1.26 y	35:12	0.7072	100.00	n
HxCB-157	131350200	1.29 y	35:13	1.4526	50.00	n
13C-HxCB-169	185144100	1.26 y	37:05	0.7240	100.00	n
HxCB-169	93867200	1.26 y	37:06	1.0140	50.00	n
13C-HpCB-180	150765500	1.05 y	35:49	0.5896	100.00	n
HpCB-180	95947800	1.12 y	35:50	1.2728	50.00	n
13C-HpCB-170	122011600	1.05 y	37:28	0.4771	100.00	n
HpCB-170/190	96760500	1.10 y	37:29	1.5861	50.00	n
13C-HpCB-189	148558600	1.05 y	39:07	0.5809	100.00	n
HpCB-189	92642400	1.10 y	39:09	1.2472	50.00	n
13C-DeCB-209	113795700	0.72 y	44:04	0.4450	100.00	n
DECB-209	85226100	0.70 y	44:05	1.4979	50.00	n
13C-PeCB-111	311176000	0.65 y	26:50	1.3563	100.00	n

Run #4    Filename 15JA09D9D5    S: 4    I: 1  
 Acquired: 15-JAN-09    22:59:23    Processed: 16-JAN-09    15:15:29  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115C :CS4 09DXN017

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	244688200	0.65 y	25:22	-	100.00	n
13C-TCB-81	225028900	0.77 y	26:58	0.9197	100.00	n
TCB-81	563034000	0.76 y	27:00	1.2510	200.00	n
13C-TCB-77	234441000	0.79 y	27:33	0.9581	100.00	n
TCB-77	517095000	0.76 y	27:34	1.1028	200.00	n
13C-PeCB-123	206159900	0.64 y	28:53	0.8425	100.00	n
PeCB-123	604243000	0.59 y	28:54	1.4655	200.00	n
13C-PeCB-118	235957000	0.65 y	29:02	0.9643	100.00	n
PeCB-118/106	706242000	0.60 y	29:03	1.4965	200.00	n
13C-PeCB-114	228278000	0.65 y	29:41	0.9329	100.00	n
PeCB-114	695511000	0.59 y	29:42	1.5234	200.00	n
13C-PeCB-105	213978600	0.66 y	30:34	0.8745	100.00	n
PeCB-105/127	588578000	0.59 y	30:35	1.3753	200.00	n
13C-PeCB-126	209532200	0.65 y	32:30	0.8563	100.00	n
PeCB-126	485179000	0.60 y	32:31	1.1578	200.00	n
13C-OcCB-202	249730000	0.88 y	34:43	-	100.00	n
13C-HxCB-167	202489900	1.26 y	33:35	0.8108	100.00	n
HxCB-167	514368000	1.27 y	33:36	1.2701	200.00	y
13C-HxCB-156	161737900	1.28 y	34:53	0.6477	100.00	n
HxCB-156	462927000	1.27 y	34:54	1.4311	200.00	n
13C-HxCB-157	166710400	1.24 y	35:12	0.6676	100.00	n
HxCB-157	478186000	1.28 y	35:13	1.4342	200.00	n
13C-HxCB-169	164652600	1.25 y	37:05	0.6593	100.00	n
HxCB-169	333850000	1.27 y	37:06	1.0138	200.00	n
13C-HpCB-180	138296100	1.06 y	35:49	0.5538	100.00	n
HpCB-180	345005000	1.10 y	35:50	1.2473	200.00	n
13C-HpCB-170	113146600	1.05 y	37:28	0.4531	100.00	n
HpCB-170/190	352545000	1.09 y	37:29	1.5579	200.00	n
13C-HpCB-189	136856900	1.04 y	39:07	0.5480	100.00	n
HpCB-189	333672000	1.09 y	39:08	1.2191	200.00	n
13C-DeCB-209	103579600	0.73 y	44:04	0.4148	100.00	n
DECB-209	300002000	0.69 y	44:05	1.4482	200.00	n
13C-PeCB-111	303933000	0.65 y	26:50	1.3747	100.00	n

Run #5    Filename 15JA09D9D5    S: 5    I: 1  
 Acquired: 15-JAN-09    23:50:45    Processed: 16-JAN-09    15:15:30  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115D :CS5 09DXN018

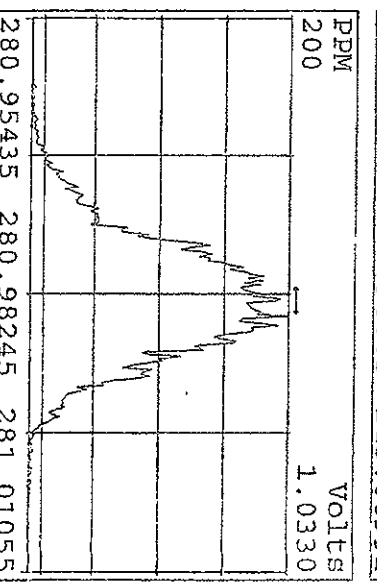
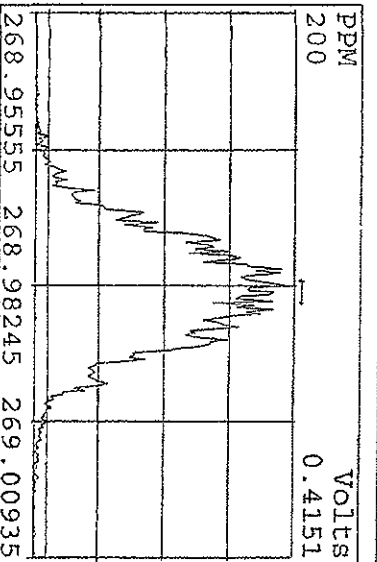
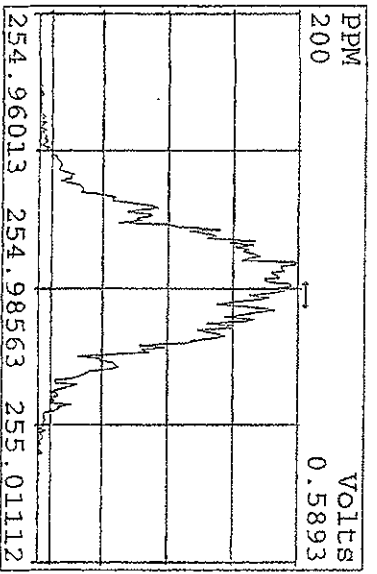
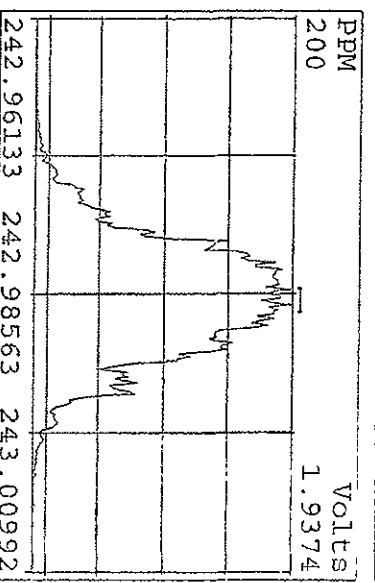
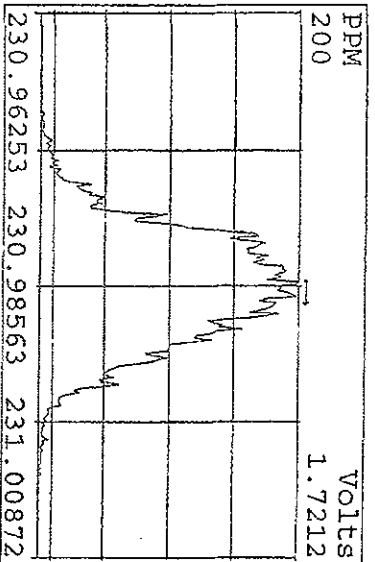
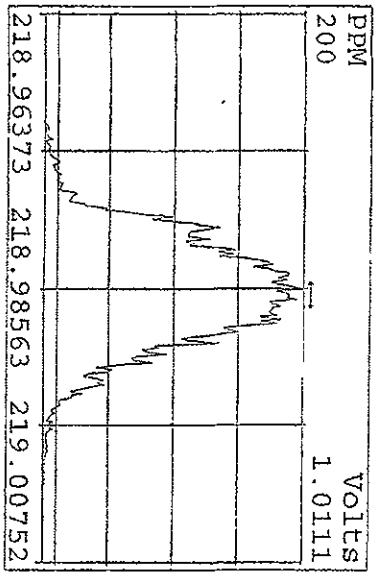
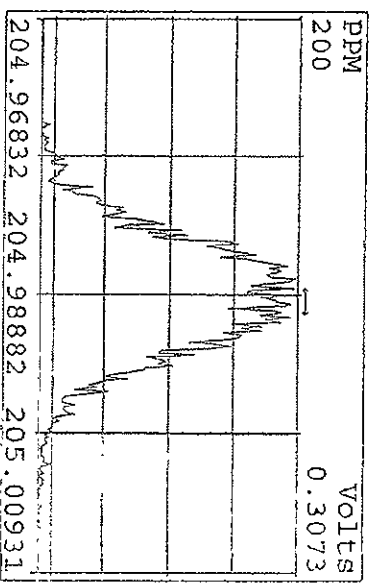
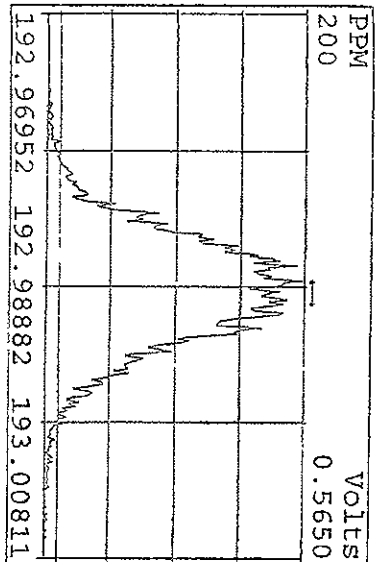
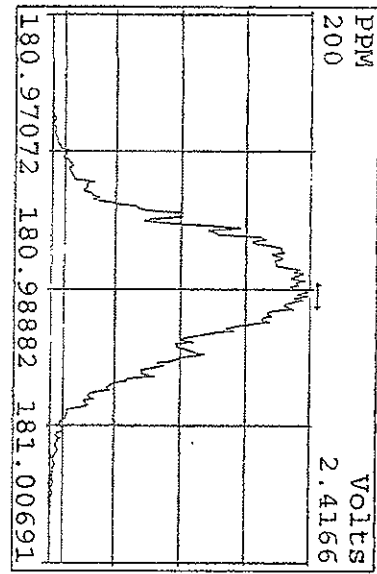
Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	269657000	0.66 y	25:22	-	100.00 n
13C-TCB-81	266360000	0.78 y	26:58	0.9878	100.00 n
TCB-81	1683380000	0.75 y	26:59	1.2640	500.00 n
13C-TCB-77	270360000	0.78 y	27:32	1.0026	100.00 n
TCB-77	1568248000	0.76 y	27:34	1.1601	500.00 n
13C-PeCB-123	246305200	0.67 y	28:52	0.9134	100.00 n
PeCB-123	1812283000	0.59 y	28:53	1.4716	500.00 n
13C-PeCB-118	274268000	0.66 y	29:01	1.0171	100.00 n
PeCB-118/106	2052633000	0.60 y	29:02	1.4968	500.00 n
13C-PeCB-114	274985000	0.66 y	29:40	1.0198	100.00 n
PeCB-114	2107813000	0.59 y	29:41	1.5330	500.00 n
13C-PeCB-105	253776000	0.66 y	30:33	0.9411	100.00 n
PeCB-105/127	1763571000	0.59 y	30:34	1.3899	500.00 n
13C-PeCB-126	267077000	0.65 y	32:28	0.9904	100.00 n
PeCB-126	1593533000	0.59 y	32:30	1.1933	500.00 n
13C-OcCB-202	287841000	0.87 y	34:42	-	100.00 n
13C-HxCB-167	259291000	1.26 y	33:33	0.9008	100.00 n
HxCB-167	1459083000	1.28 y	33:34	1.1254	500.00 y
13C-HxCB-156	208239300	1.29 y	34:52	0.7235	100.00 n
HxCB-156	1478482000	1.28 y	34:53	1.4200	500.00 n
13C-HxCB-157	218180700	1.26 y	35:11	0.7580	100.00 n
HxCB-157	1543594000	1.27 y	35:12	1.4150	500.00 n
13C-HxCB-169	236681000	1.26 y	37:03	0.8223	100.00 n
HxCB-169	1200567000	1.27 y	37:04	1.0145	500.00 n
13C-HpCB-180	175051700	1.04 y	35:48	0.6082	100.00 n
HpCB-180	1077386000	1.09 y	35:49	1.2309	500.00 n
13C-HpCB-170	145642800	1.05 y	37:28	0.5060	100.00 n
HpCB-170/190	1124352000	1.08 y	37:29	1.5440	500.00 n
13C-HpCB-189	189236300	1.05 y	39:06	0.6574	100.00 n
HpCB-189	1158078000	1.09 y	39:07	1.2239	500.00 n
13C-DeCB-209	146952700	0.73 y	44:04	0.5105	100.00 n
DECB-209	1100843000	0.70 y	44:04	1.4982	500.00 n
13C-PeCB-111	333490000	0.65 y	26:50	1.2712	100.00 n

.ca file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
15JA09D9D5	1	ST0115	CS1 09DXN014				1.00000	
15JA09D9D5	2	ST0115A	CS2 09DXN015				1.00000	
15JA09D9D5	3	ST0115B	CS3 09DXN016				1.00000	
15JA09D9D5	4	ST0115C	CS4 09DXN017				1.00000	
15JA09D9D5	5	ST0115D	CS5 09DXN018				1.00000	
15JA09D9D5	6	SB0115	Solvent Blank C-12				1.00000	
15JA09D9D5	7	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	8	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	9	SB0115A	Solvent Blank C-12				1.00000	
15JA09D9D5	10	K5GRX-1-AC	G9A060000-171C	20	1668/WATER	51	1.00000	L
15JA09D9D5	11	QC09DXN057	Daily IS 09DXN057	20	1668	QC49	1.00000	
15JA09D9D5	12	K44WC-1-AC	G8L210000-51C	20	1668A/SOLID	42	10.00000	g
15JA09D9D5	13	K44WC-1-AA	G8L210000-51B	20	1668A/SOLID		10.00000	g
15JA09D9D5	14	K31R7-1-AA	D8L030334-1 (20X)	20	1668A/SOLID		10.19000	g
15JA09D9D5	15	K31R7-1-AD	D8L030334-1S (20X)	20	1668A/SOLID		10.01000	g
15JA09D9D5	16	SB0115B	Solvent Blank C-12				1.00000	
15JA09D9D5	17	K4047-1-AH	G8L180296-2	20	1668/SOLID	43	10.32500	g
15JA09D9D5	18	K4047-1-AH	G8L180296-2 RI	20	1668/SOLID	43	10.22500	g
15JA09D9D5	19	K4048-1-AH	G8L180296-3	20	1668/SOLID		10.35400	g
15JA09D9D5	20	K4049-1-AH	G8L180296-4	20	1668/SOLID		10.17000	g
15JA09D9D5	21	K405A-1-AH	G8L180296-5	20	1668/SOLID		10.25250	g
15JA09D9D5	22	K405E-1-AH	G8L180296-7	20	1668/SOLID		10.13000	g
15JA09D9D5	23	SB0115C	Solvent Blank C-12				1.00000	
JA09D9D5	24	ST0115H	CS3 09DXN016				1.00000	
15JA09D9D5	25	ST0115G	209PCB 3249-47				1.00000	
15JA09D9D5	26	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	27	K4047-1-AH	G8L180296-2(10X)	20	1668/SOLID	43	10.32500	g
15JA09D9D5	28	K4048-1-AH	G8L180296-3(10X)	20	1668/SOLID		10.35400	g
15JA09D9D5	29	K4049-1-AH	G8L180296-4(10X)	20	1668/SOLID		10.17000	g
15JA09D9D5	30	K405A-1-AH	G8L180296-5(10X)	20	1668/SOLID		10.25250	g
15JA09D9D5	31	K405E-1-AH	G8L180296-7(10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	32	K405H-1-AH	G8L180296-9(10X)	20	1668/SOLID		10.15000	g
15JA09D9D5	33	K405H-1-AJ	G8L180296-9S(10X)	20	1668/SOLID		10.12000	g
15JA09D9D5	34	K405H-1-AK	G8L180296-9D(10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	35	K405K-1-AH	G8L180296-10(10X)	20	1668/SOLID		10.02000	g
15JA09D9D5	36	K4046-1-AA	G8L180296-1	20	1668/SOLID		0.98080	L
15JA09D9D5	37	K405D-1-AA	G8L180296-6	20	1668/SOLID		0.97690	L
15JA09D9D5	38	K405G-1-AA	G8L180296-8	20	1668/SOLID		0.94740	L
15JA09D9D5	39	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	40	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g
15JA09D9D5	41	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	42	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	43	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	44	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	45	K4584-1-AA	G8L22000-581MB	20	1668/SOLID		1.00000	L
15JA09D9D5	46	K4584-1-AC	G8L22000-581LCS	20	1668/SOLID		1.00000	L
15JA09D9D5	47	????????	G8L050343-1	20	1668/SOLID		10.00000	
15JA09D9D5	48	K4585-1-AA	G8L220000-582MB	20	1668A/SOLID		10.00000	g
JA09D9D5	49	K4585-1-AC	G8L220000-582LCS	20	1668A/SOLID		10.00000	g
JA09D9D5	50	K31R7-1-AE	D8L030334-1D (20X)	20	1668/SOLID		10.28000	g
15JA09D9D5	51	K31TA-1-AA	D8L030334-2 (20X)	20	1668/SOLID		10.08000	g
15JA09D9D5	52	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	53	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g

15JA09D9D5	54	SP0115E	Solvent Blank C-12	1.00000
15JA09D9D5	55			1.00000
15JA09D9D5	56			1.00000
15JA09D9D5	57			1.00000
15JA09D9D5	58			1.00000
15JA09D9D5	59			1.00000
15JA09D9D5	60			1.00000
15JA09D9D5	59		AM/KAS 01-15-09	1.00000
15JA09D9D5	60			1.00000

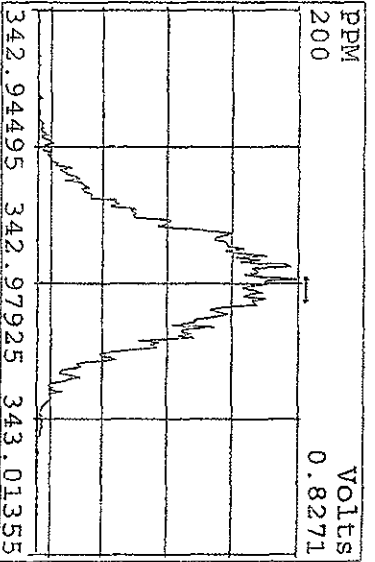
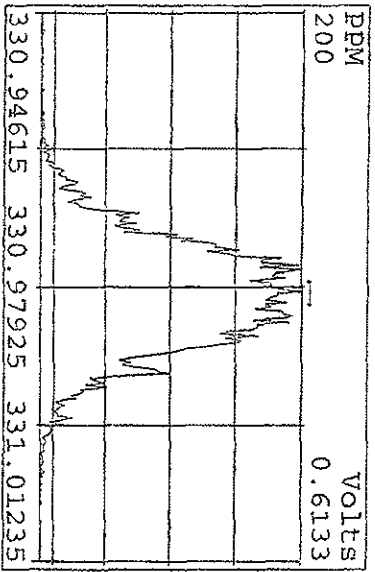
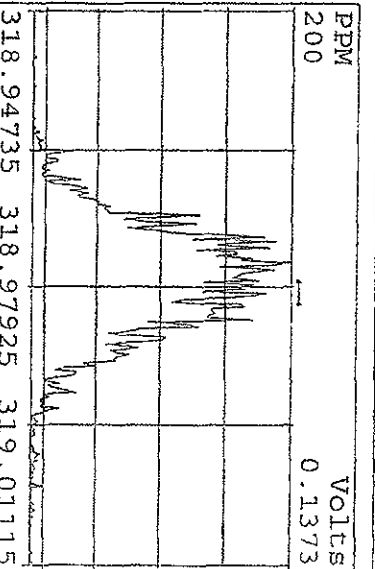
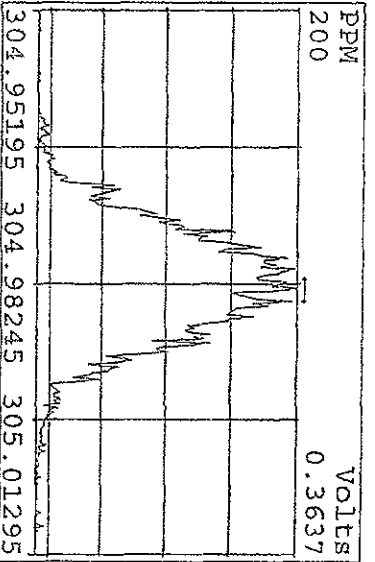
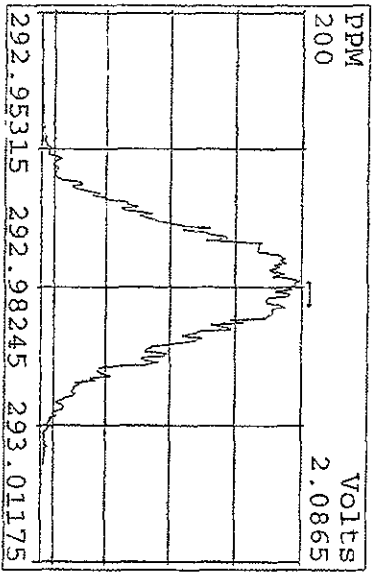
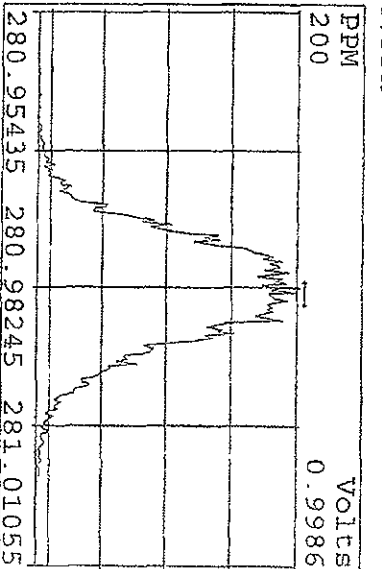
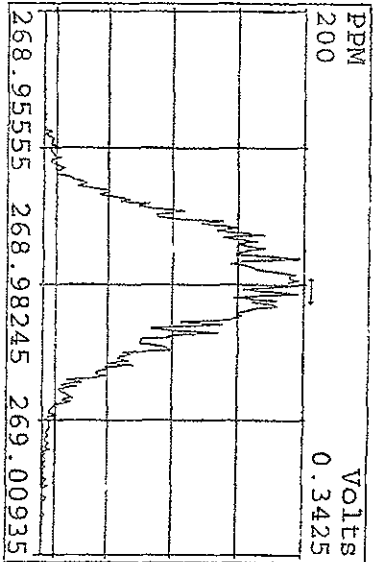
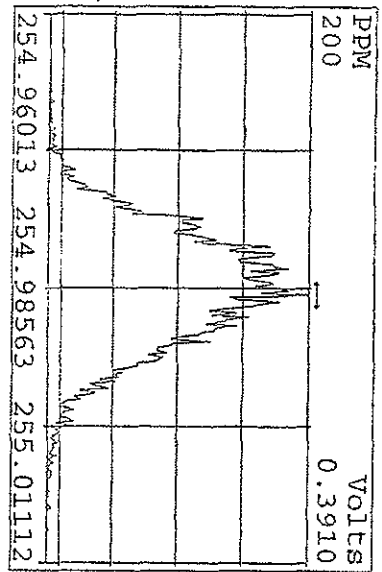
log file checked  
1-16-09 am

Peak Locate Examination:15-JAN-2009:20:20 File:15JA09D9D5  
 Experiment:209DB5 Function:1 Reference:PFK

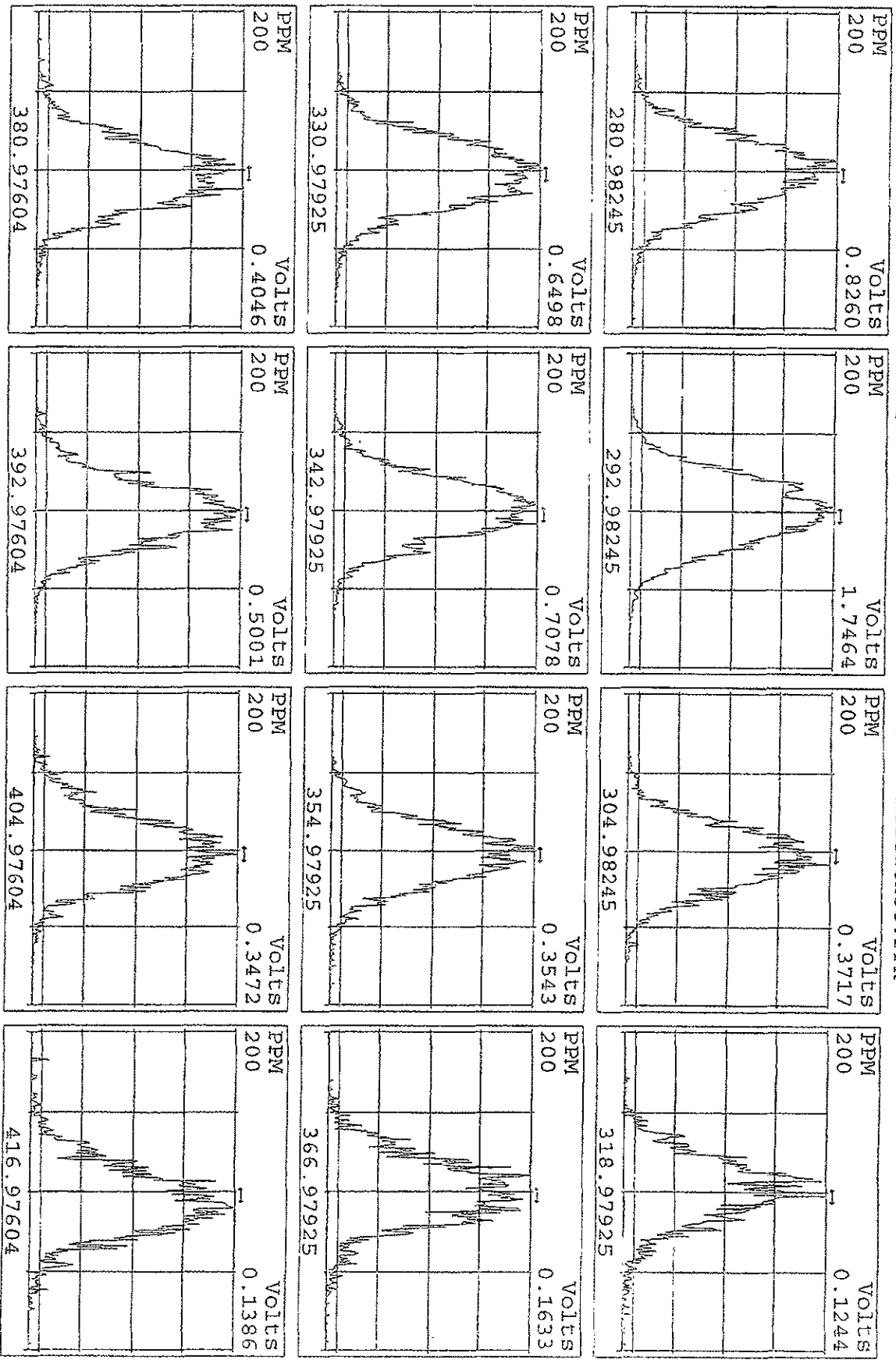




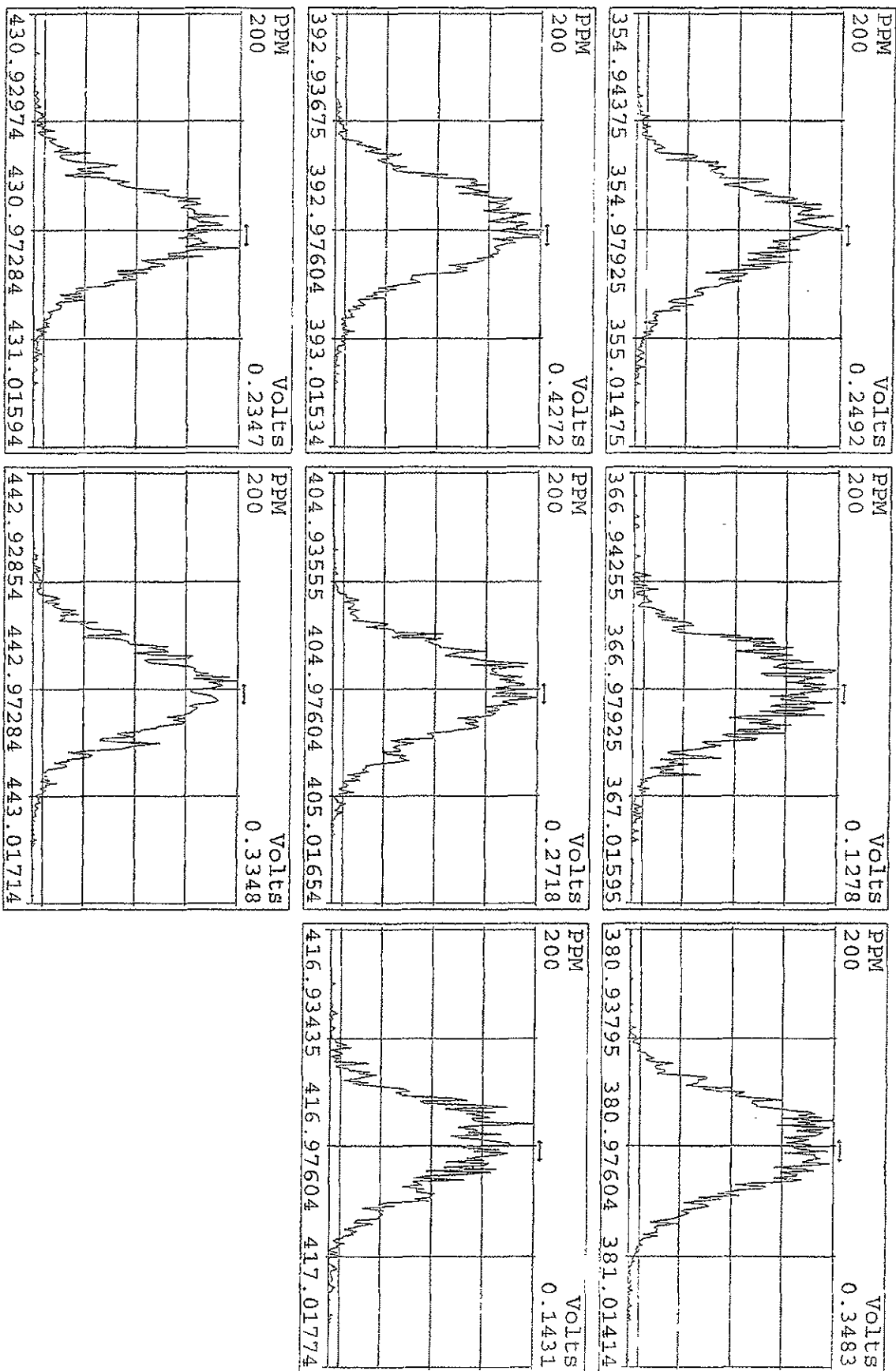
Peak Locate Examination:15-JAN-2009:20:21 File:15JA09D9D5  
 Experiment:209DB5 Function:2 Reference:PRK



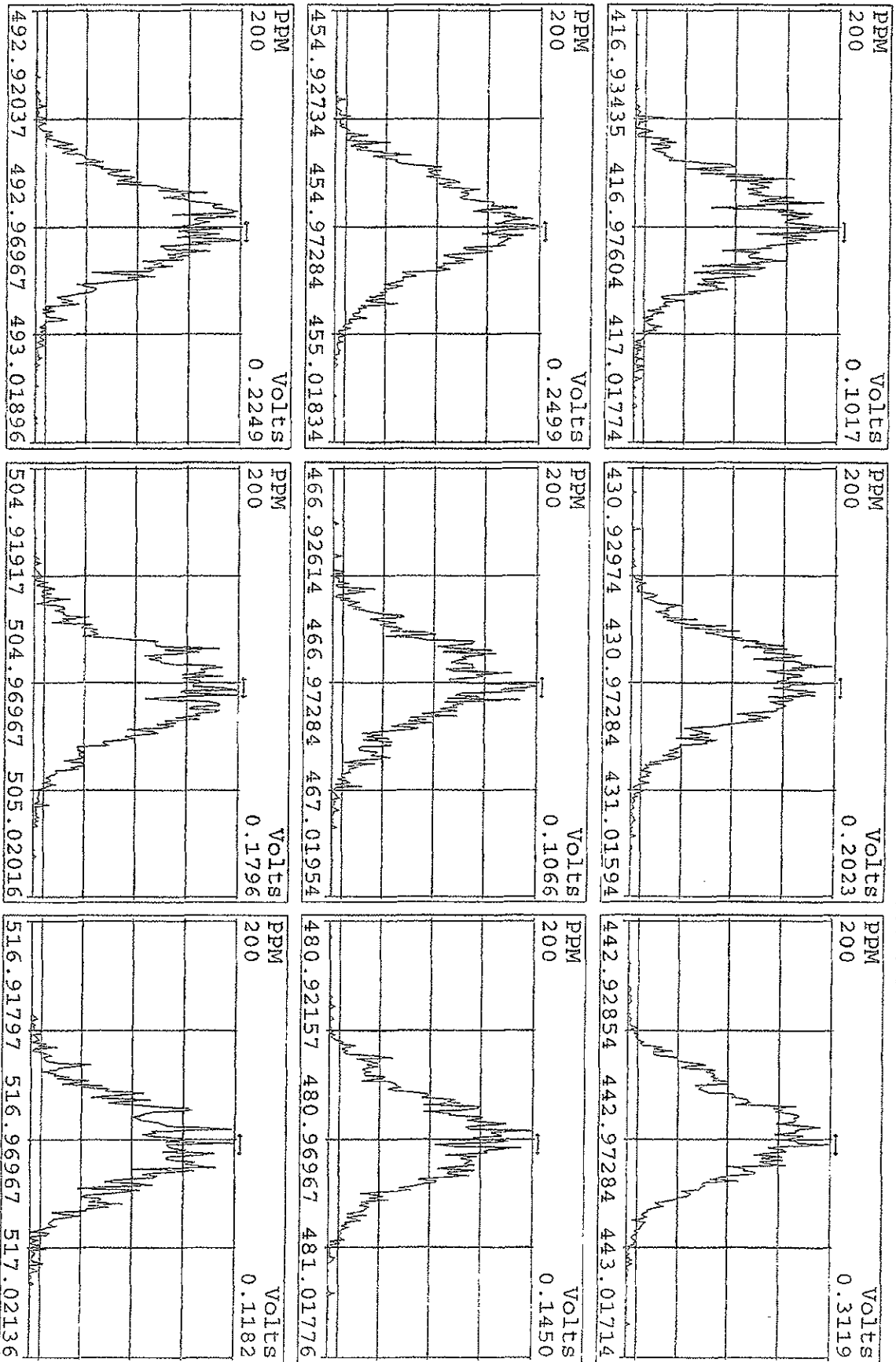
Peak Locate Examination:15-JAN-2009:20:22 File:15JA09D9D5  
Experiment:209DB5 Function:3 Reference:PFK



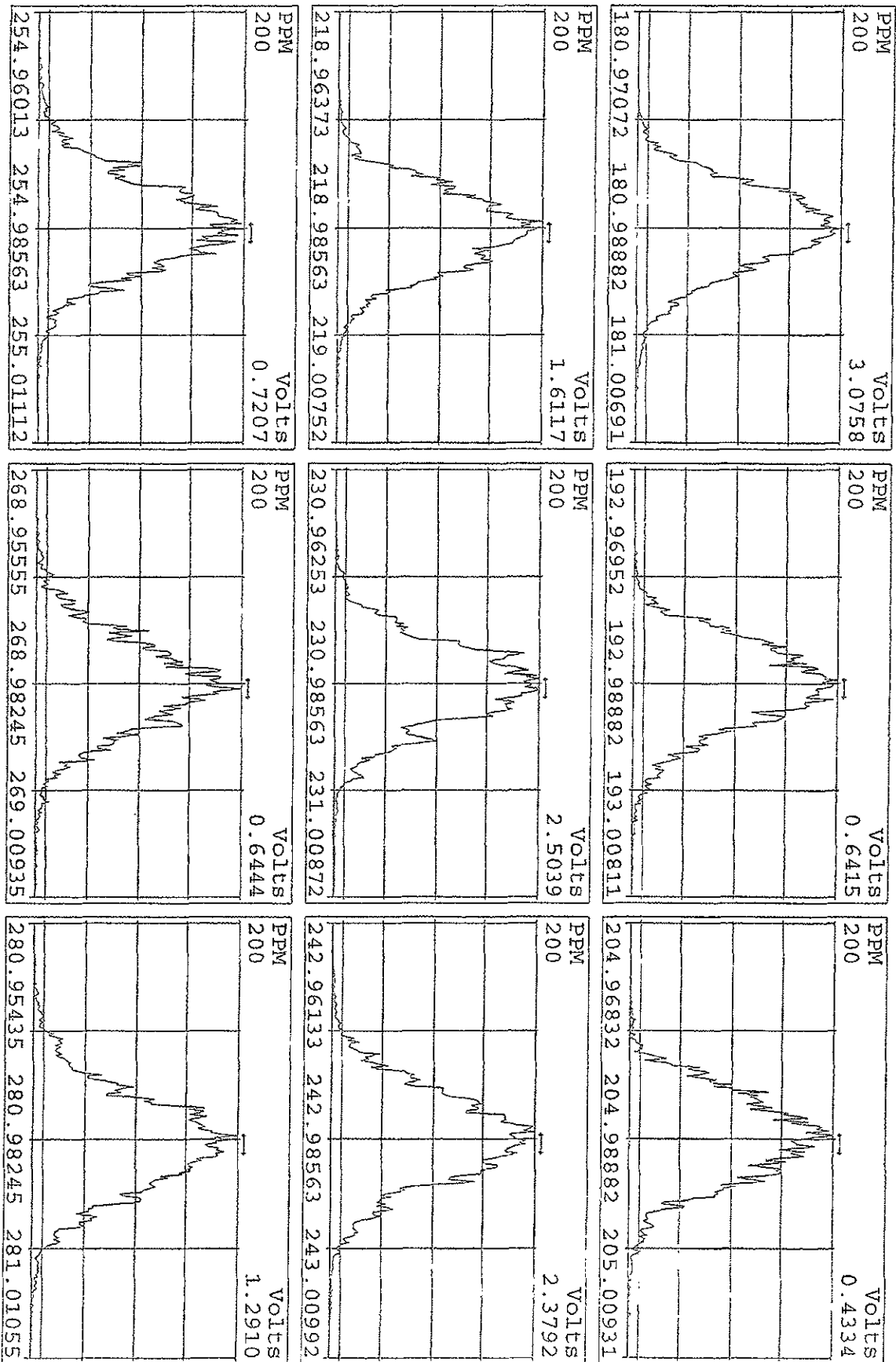
Peak Locate Examination: 15-JAN-2009:20:23 File: 15JA09D9D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



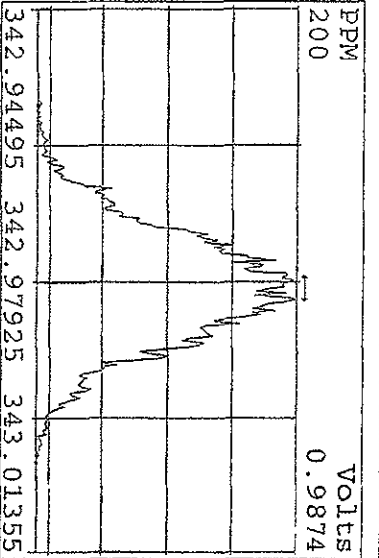
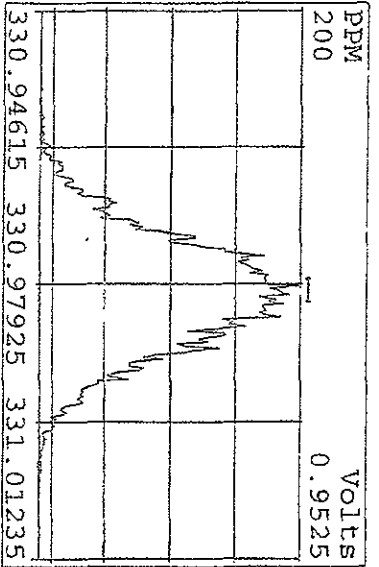
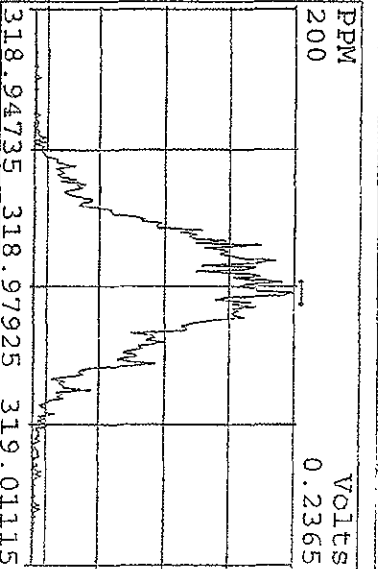
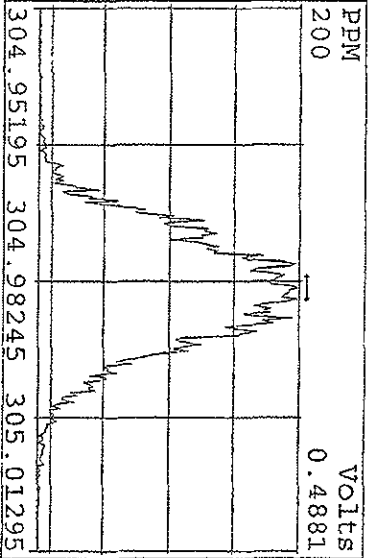
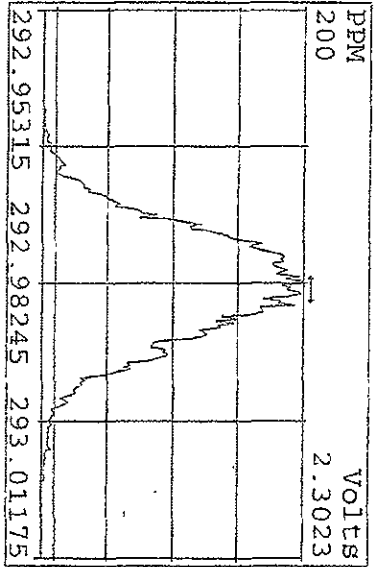
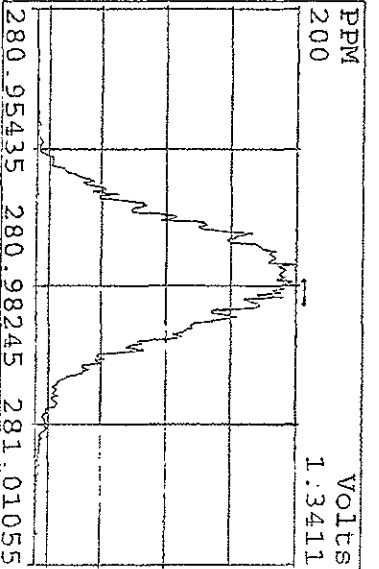
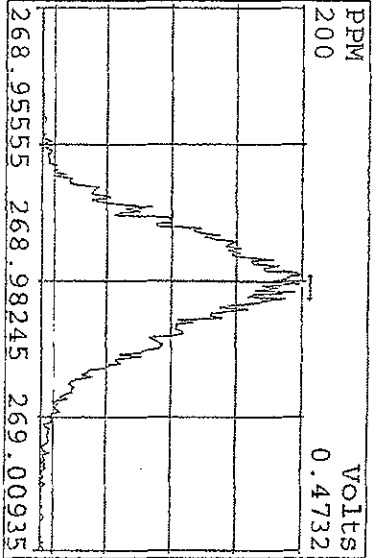
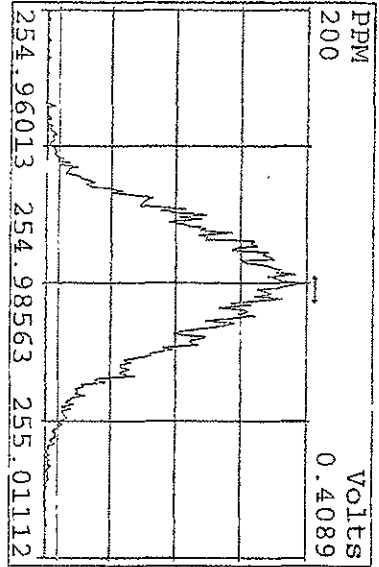
Peak Locate Examination:15-JAN-2009:20:23 File:15JA09D9D5  
 Experiment:209DB5 Function:5 Reference:PRX



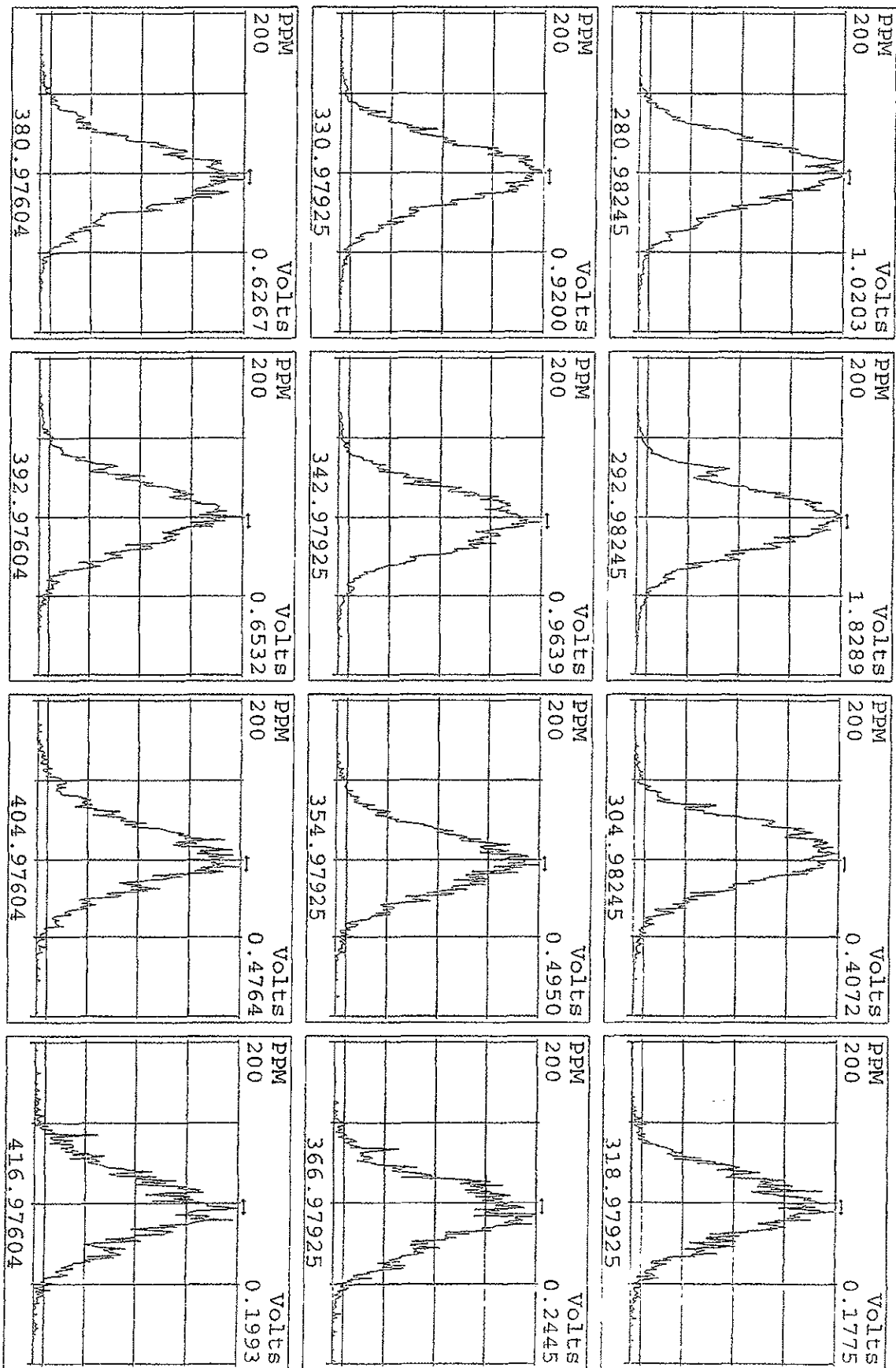
Peak Locate Examination:16-JAN-2009:18:46 File:RSCCHK15JA09D9D5  
 Experiment:209DB5 Function:1 Reference:PFK



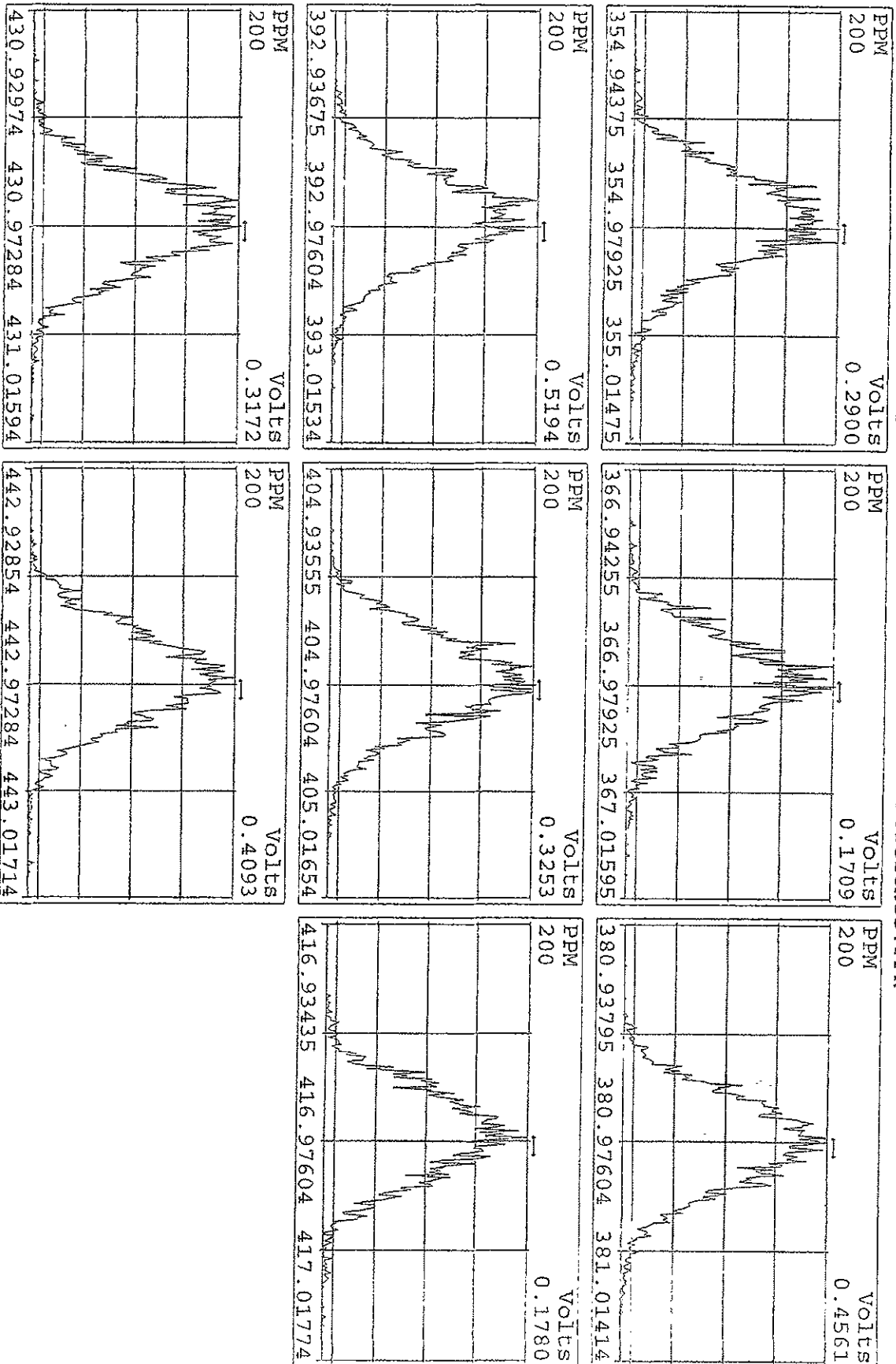
Peak Locate Examination: 16-JAN-2009: 18:47 File: RESCHK15JA09D9D5  
Experiment: 209DB5 Function: 2 Reference: PFK



Peak Locate Examination:16-JAN-2009:18:48 File:RSCCHK15JA09D9D5  
Experiment:209DB5 Function:3 Reference:PFK

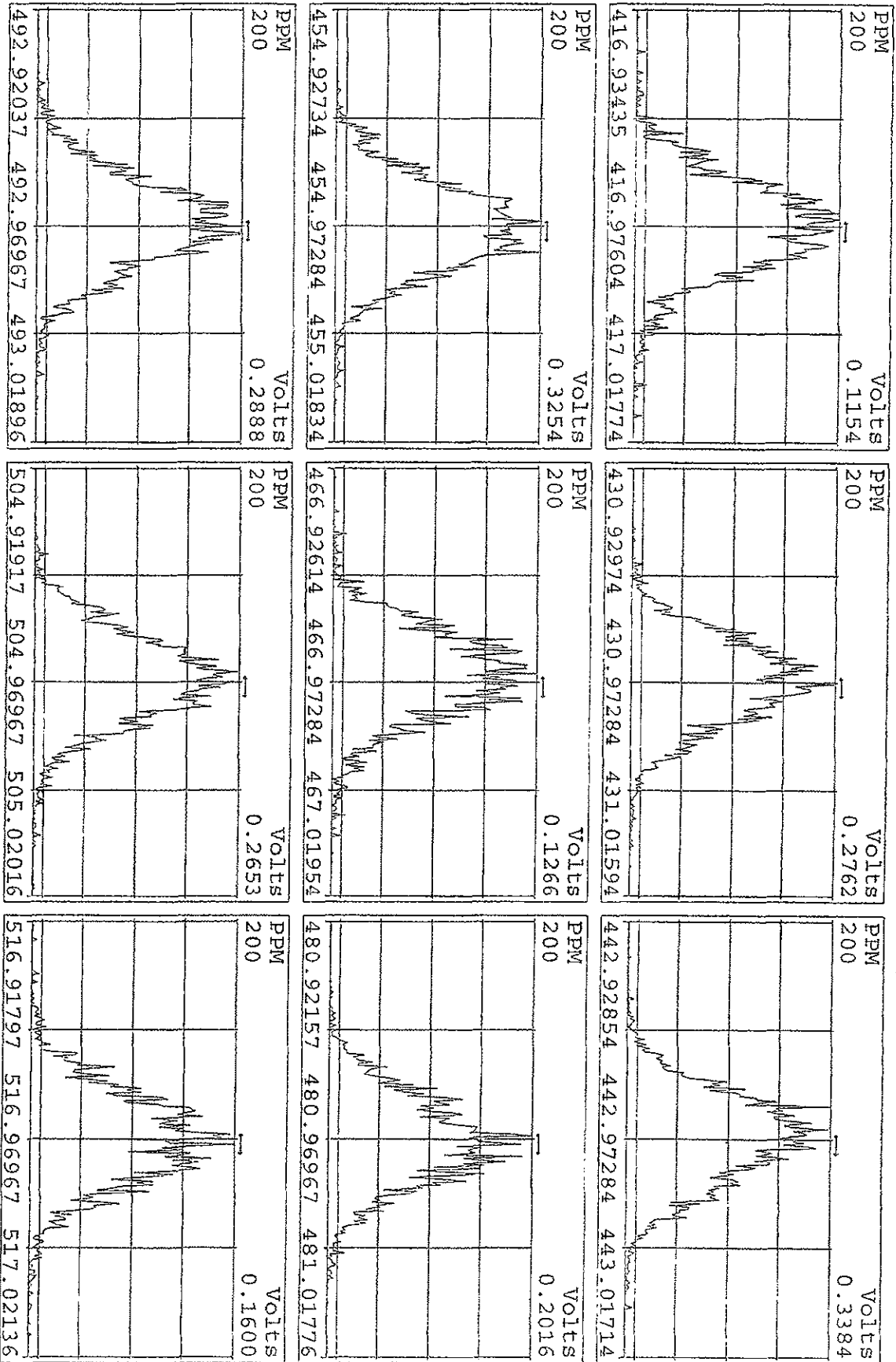


Peak Locate Examination: 16-JAN-2009:18:48 File: RESCHK15JA09D9D5  
 Experiment: 209DB5 Function: 4 Reference: PFK

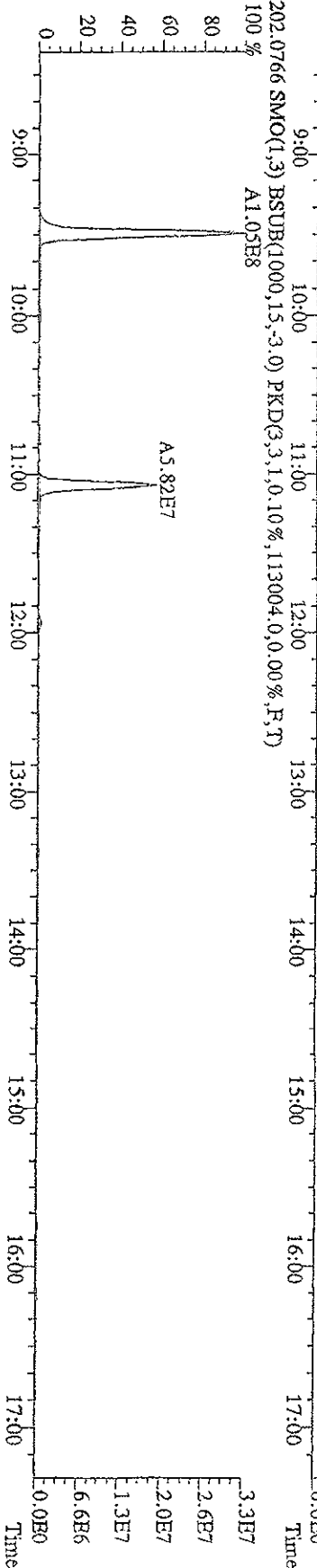
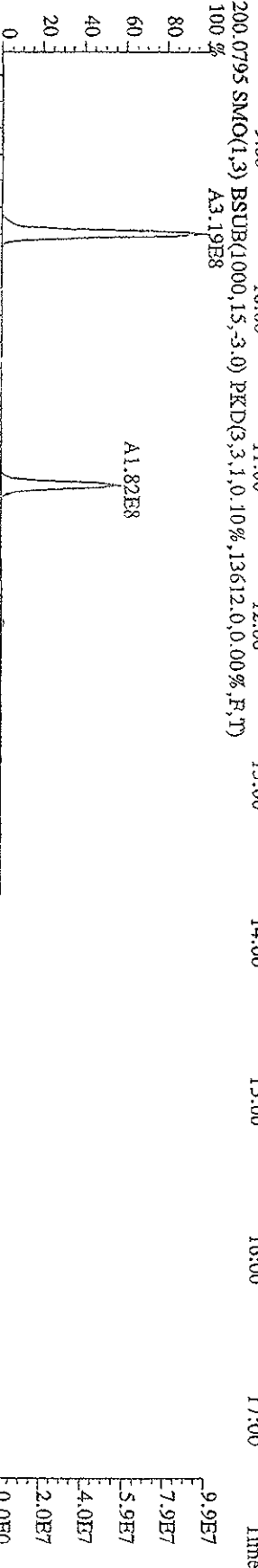
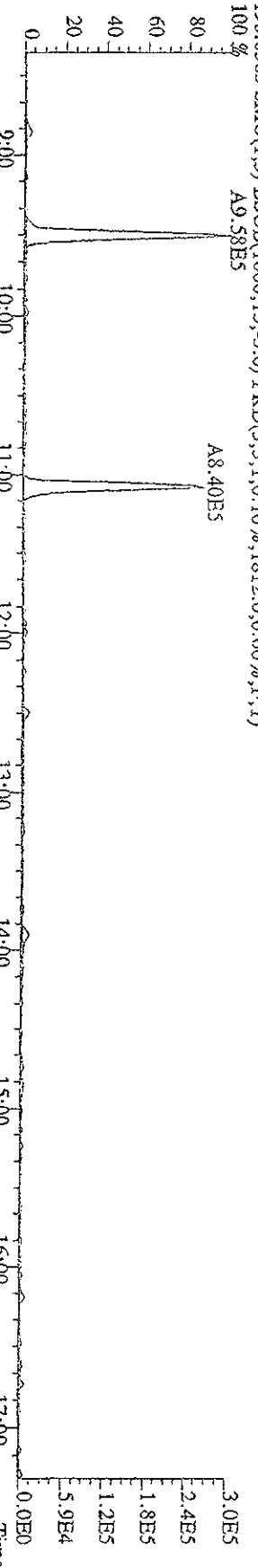
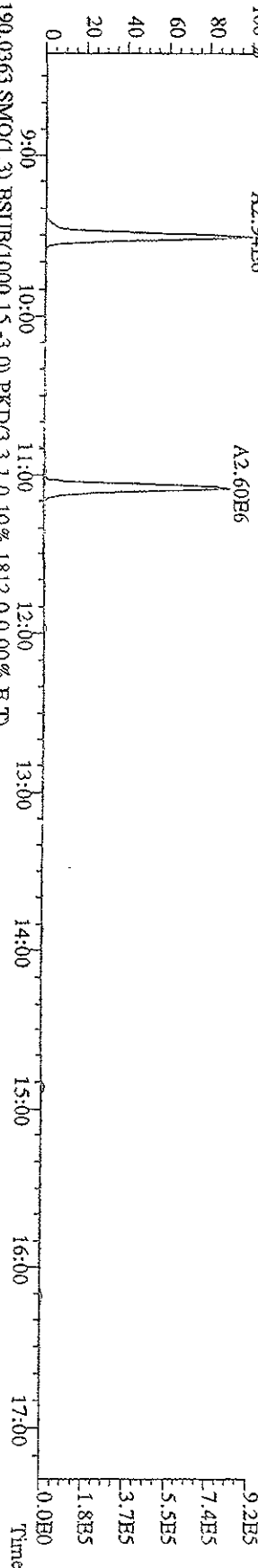




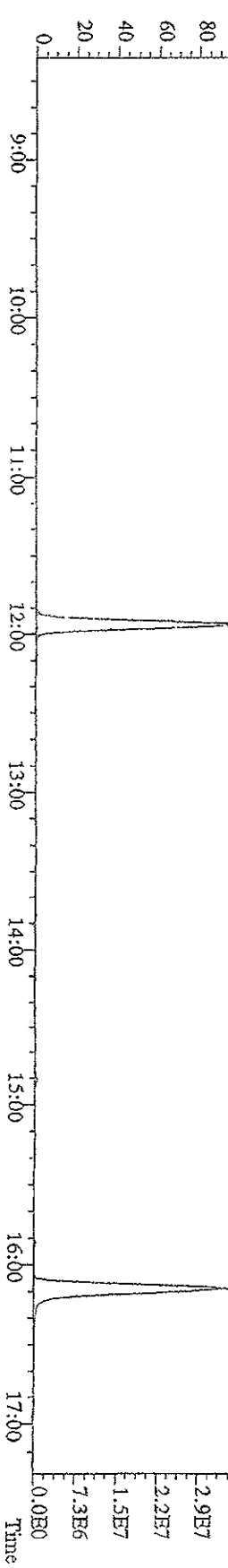
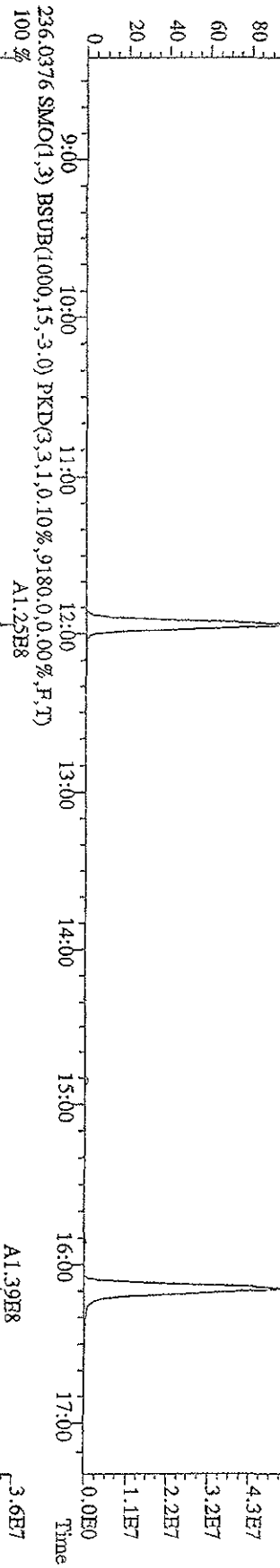
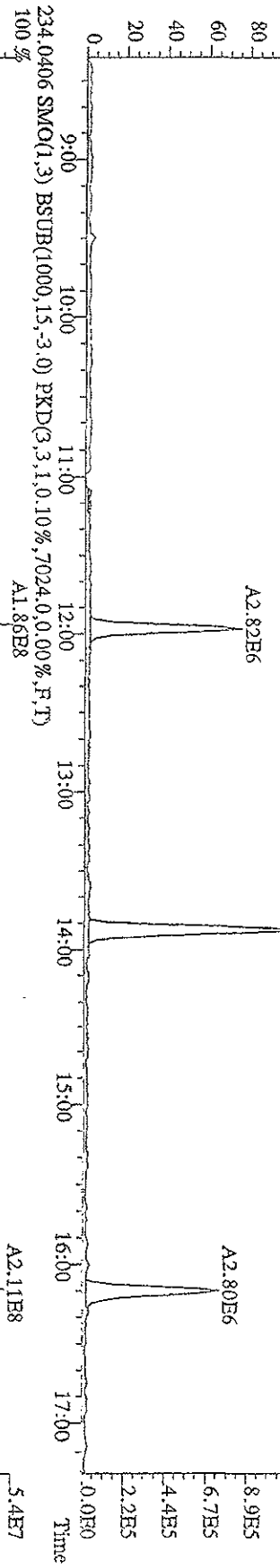
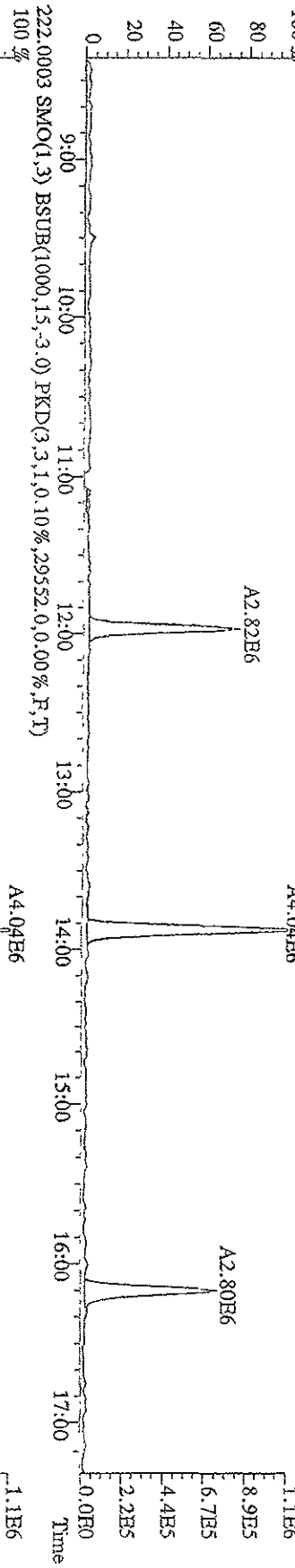
Peak Locate Examination: 16-JAN-2009: 18:49 File: RESCHK15JA09D9D5  
 Experiment: 209DB5 Function: 5 Reference: PFK



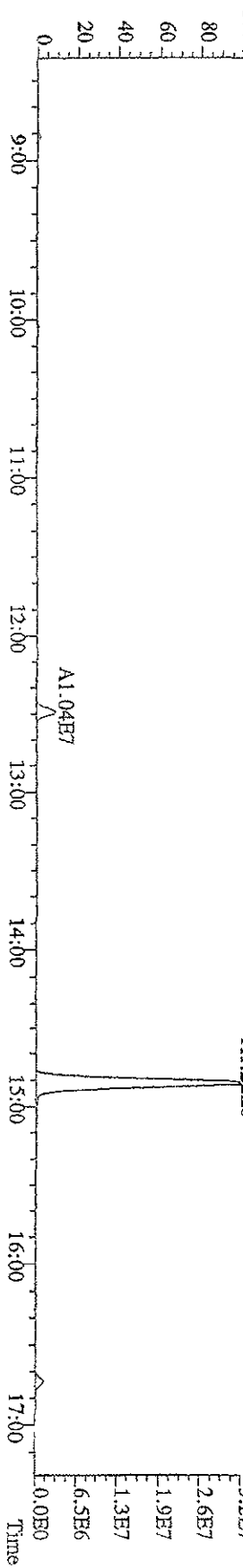
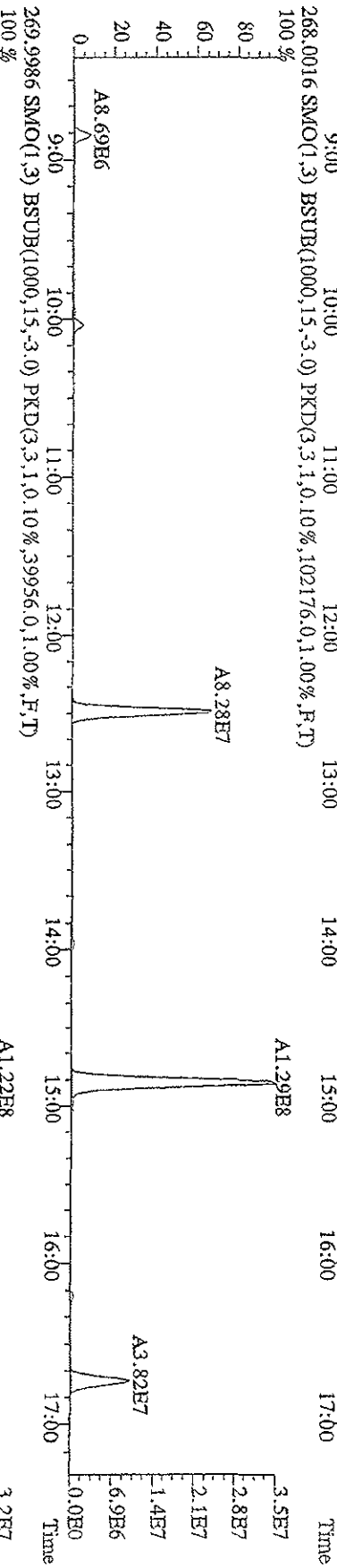
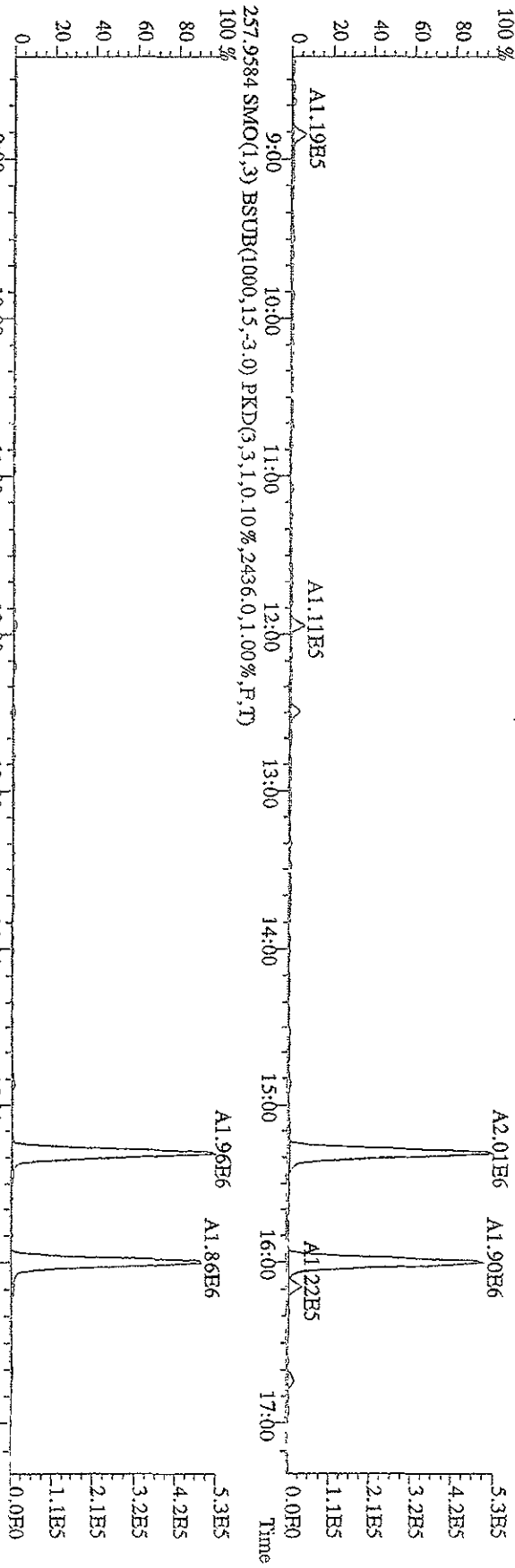
File: 151A09D9D5 #1-608 Acq: 15-JAN-2009 20:25:19 GC FI+ Voltage SDR Autospec-UltimaB  
 Sample#1 Text: ST0115 : CS1 09DXNO14 Exp: 209DB5  
 188.0393 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,3576.0,0.00%,F,T)  
 100% A2.94E6



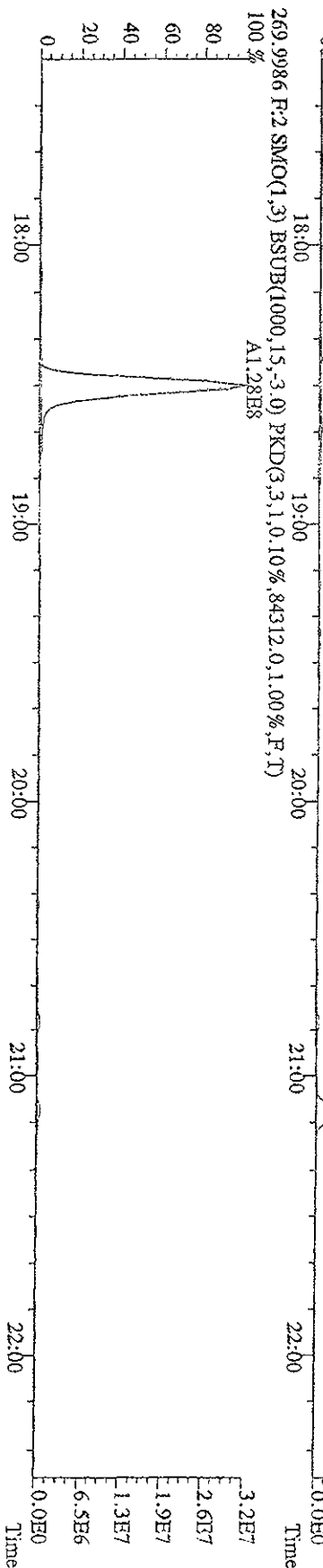
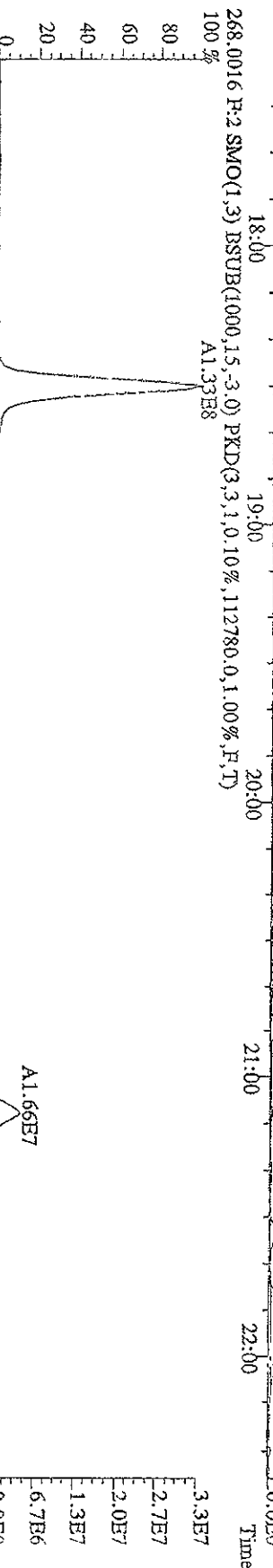
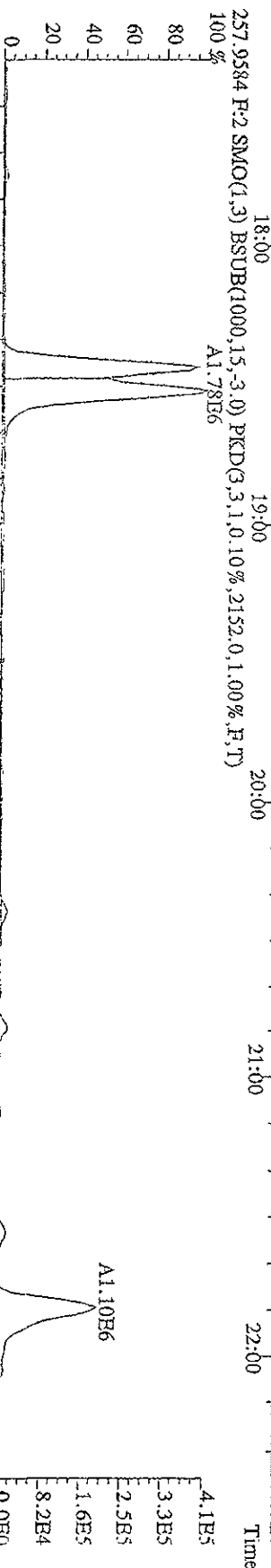
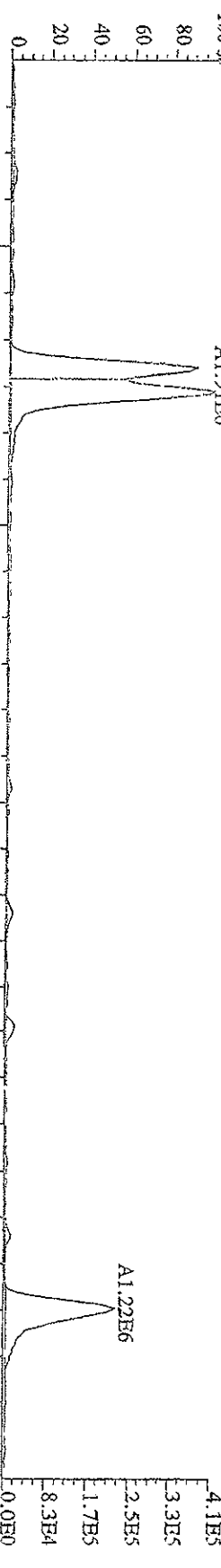
File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 222.0003 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,29552,0,0,00%,F,T)



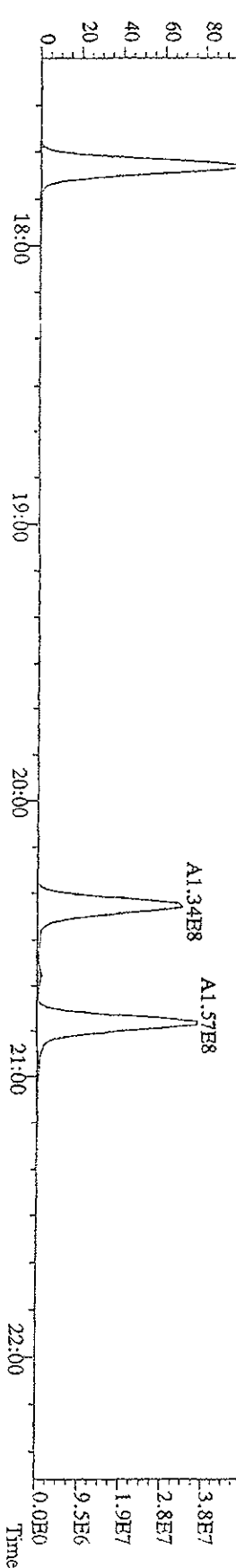
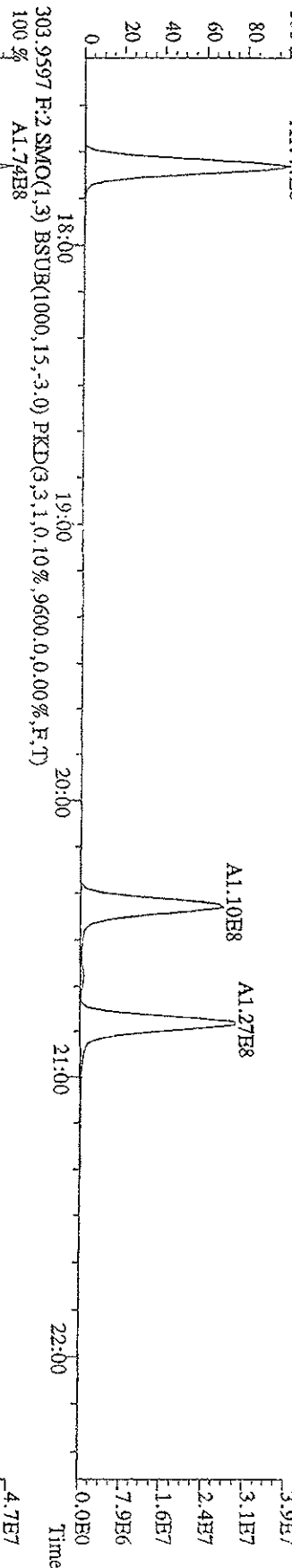
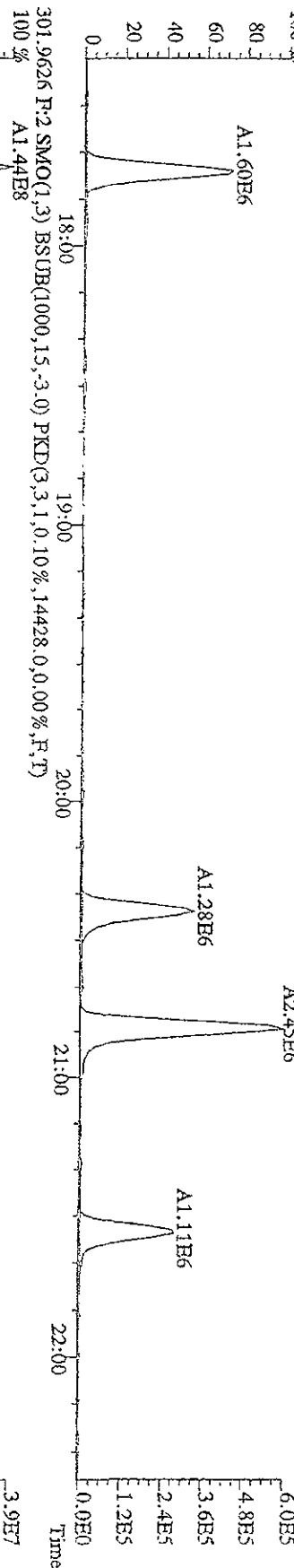
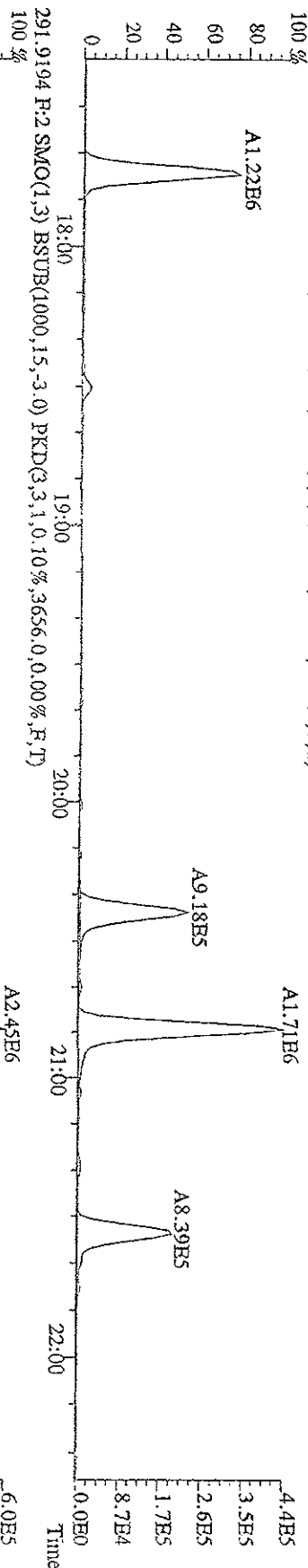
File:151A09D9D5 #1-608 Acq:15-1AN-2009 20:25:19 GC EI+ Voltage STR Autospec-Ultimat  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 255.9613 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,4620,0,1.00%,F,T)



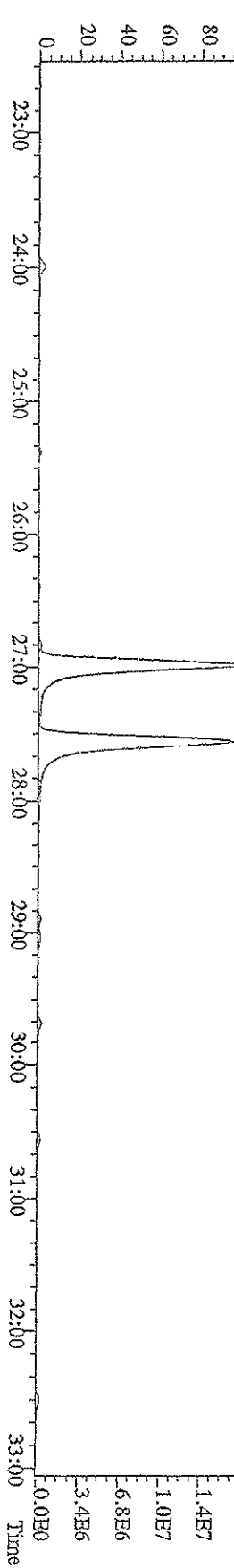
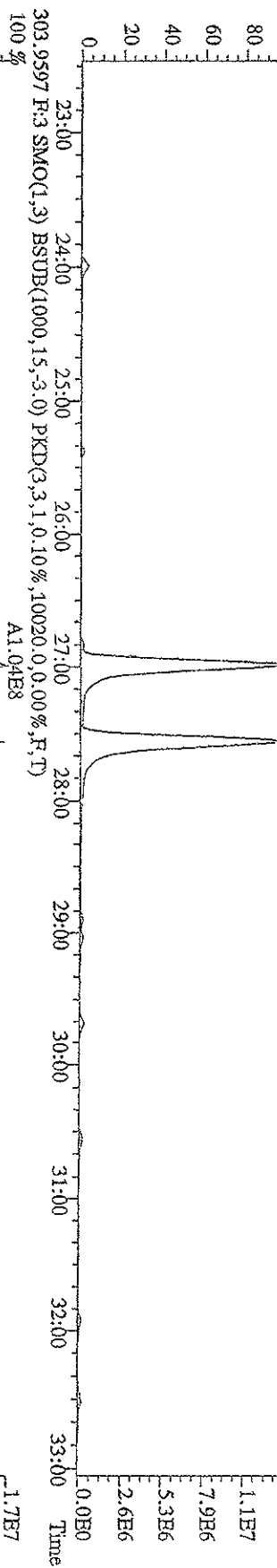
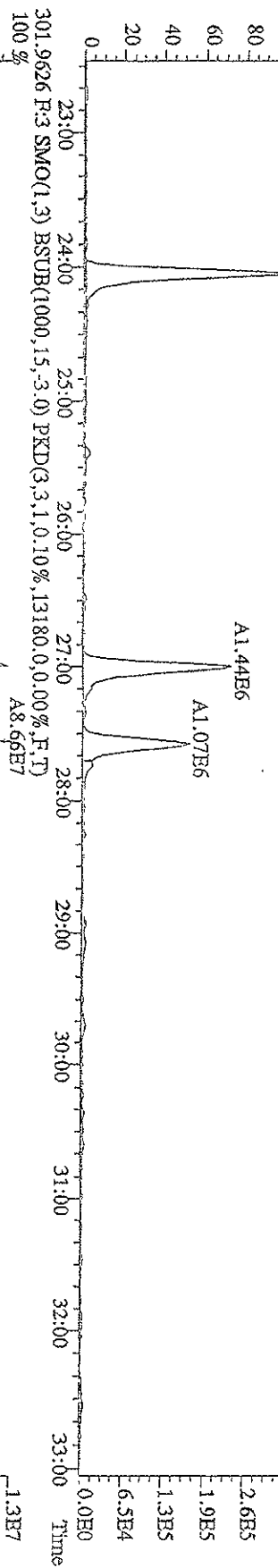
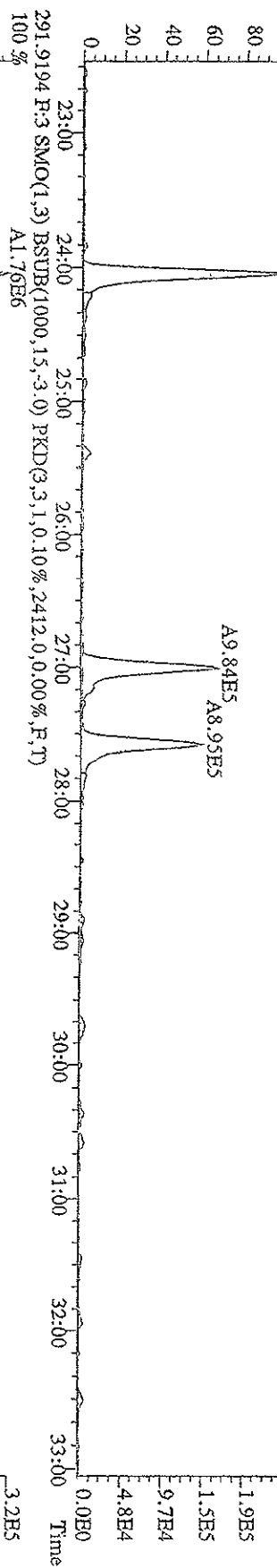
File:151A09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-UHlmah  
 Sample#1 Text:ST0115 .CSI 09DXN014 Exp:209DB5  
 255.9613 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4244,0,1.00%,F,T)  
 100% A1.91E6



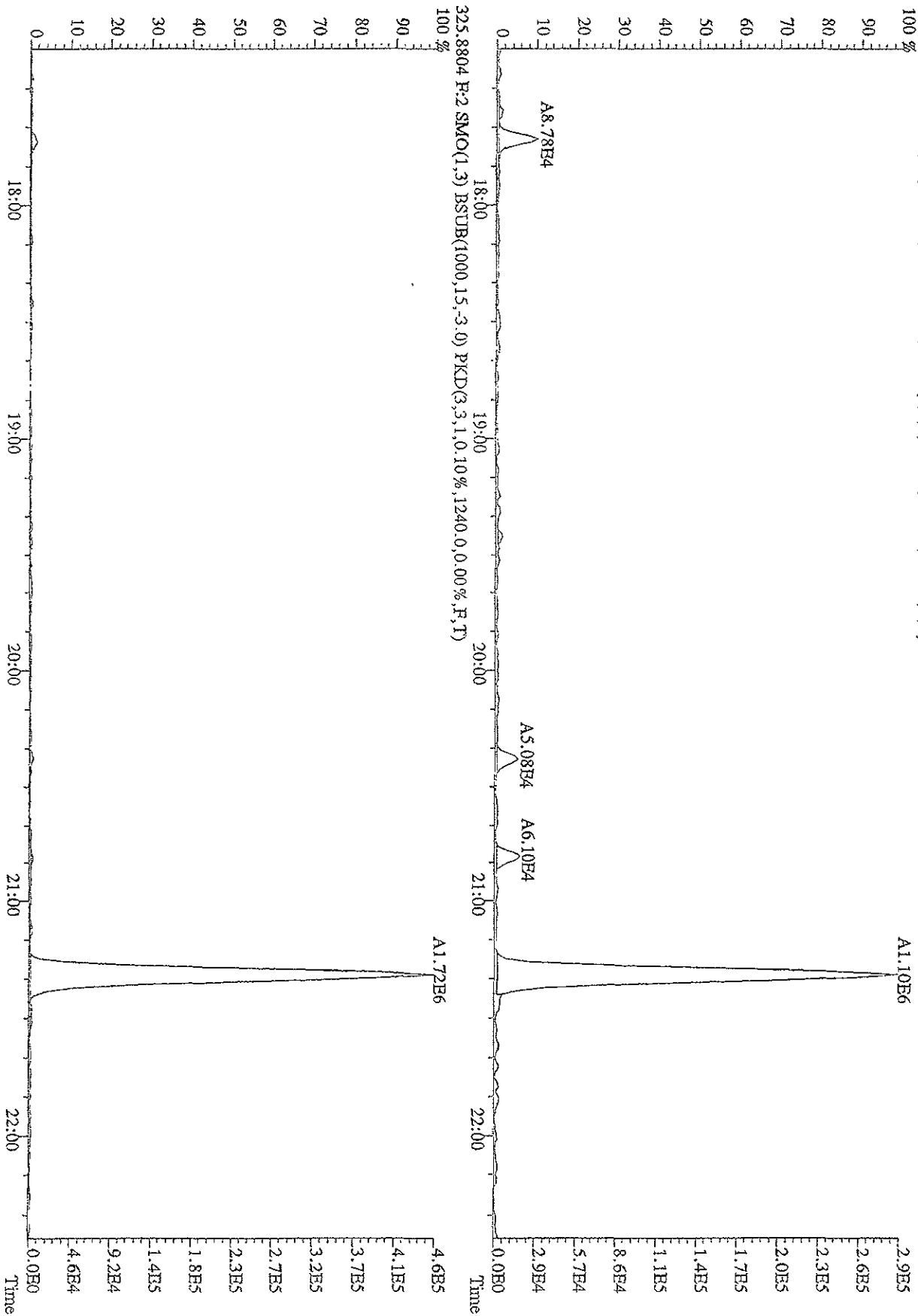
File:151A09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-UltimaE  
 Sample#1 Text:5T0115 :CS1 09DXN014 Exp:209DB5  
 289.9224 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1736,0,0,00%,F,T)



File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 289.9224 R:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1072.0,0.00%,F,T)  
 100% A1.23E6

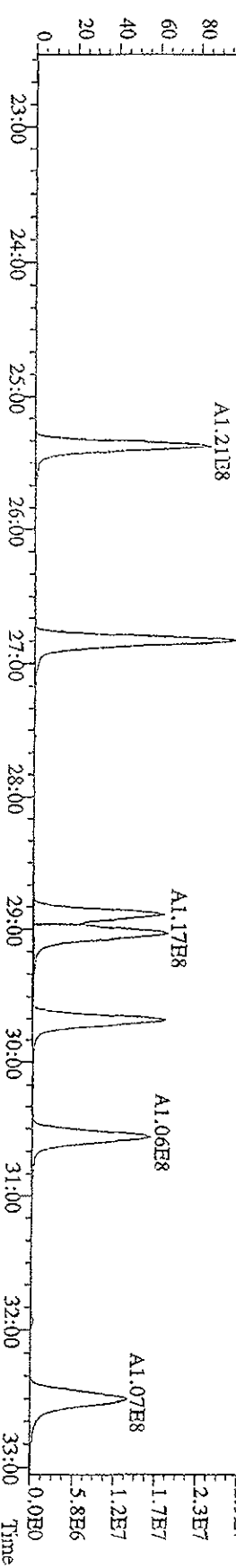
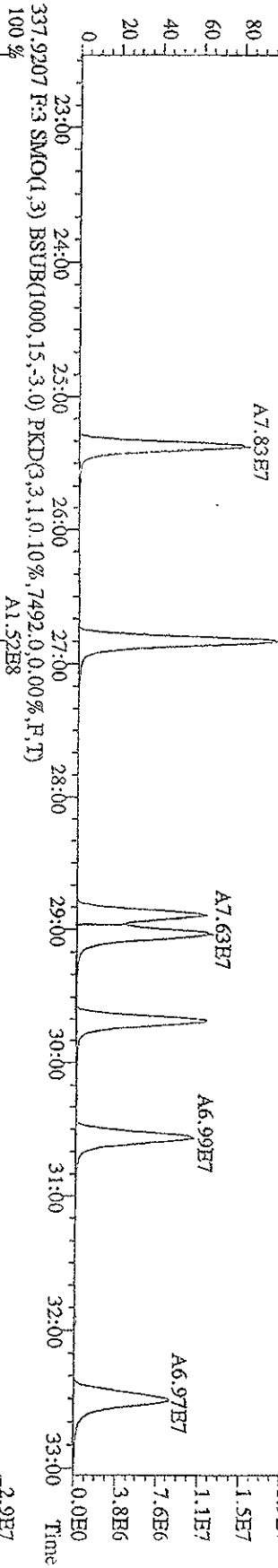
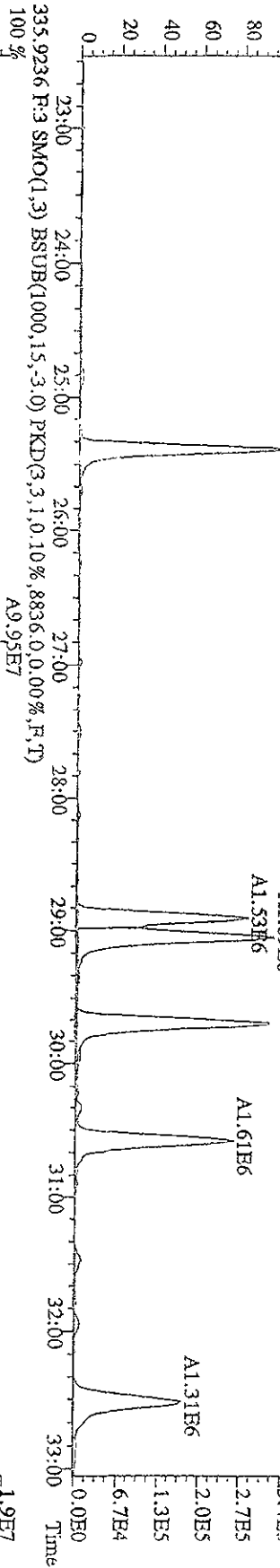
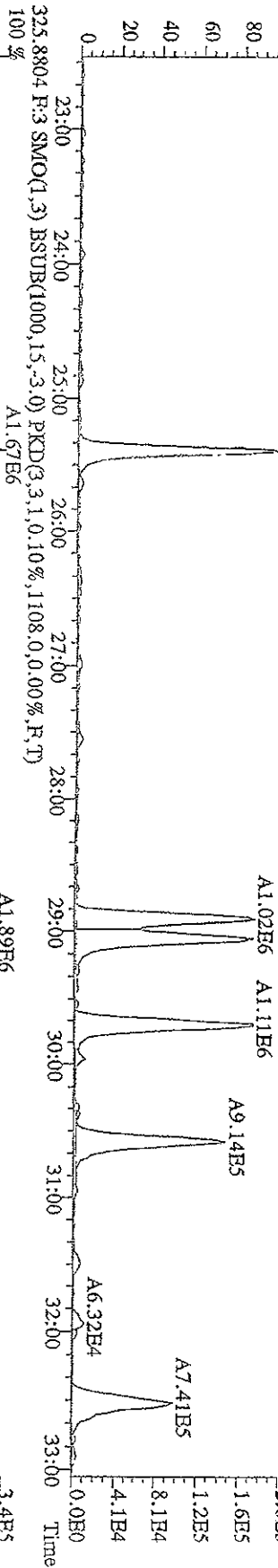


File: 151A09D9D5 #1-372 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0115 :CSI 09DXN014 Exp: 209DB5  
 323.8834 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1240,0,0,00%,F,T)  
 100%

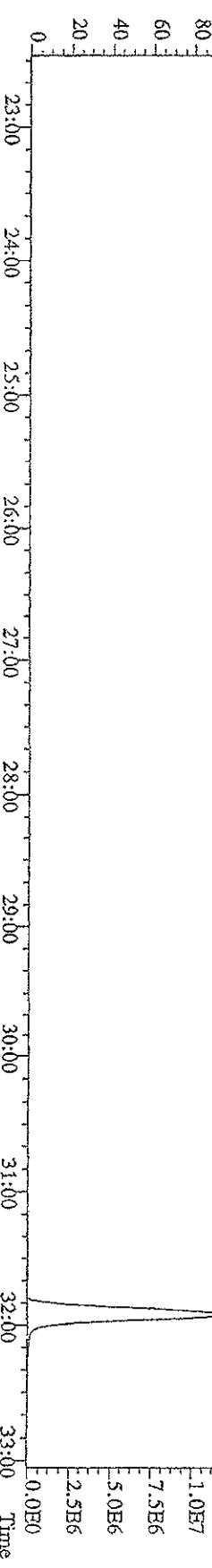
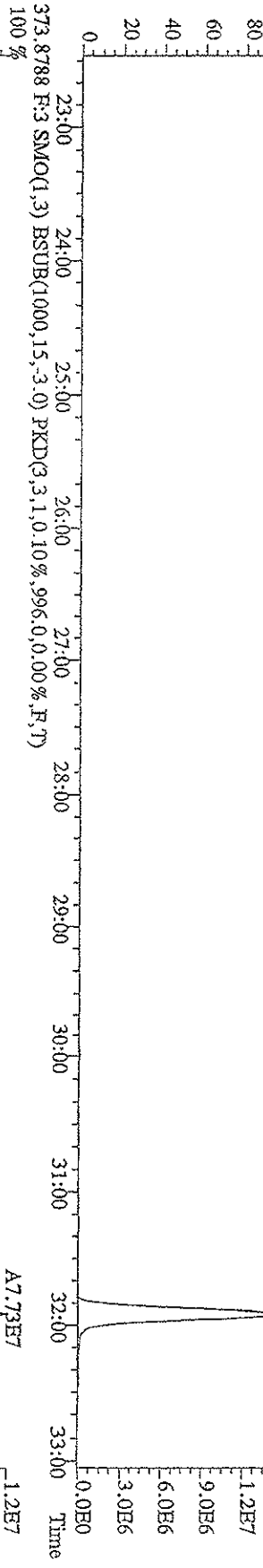
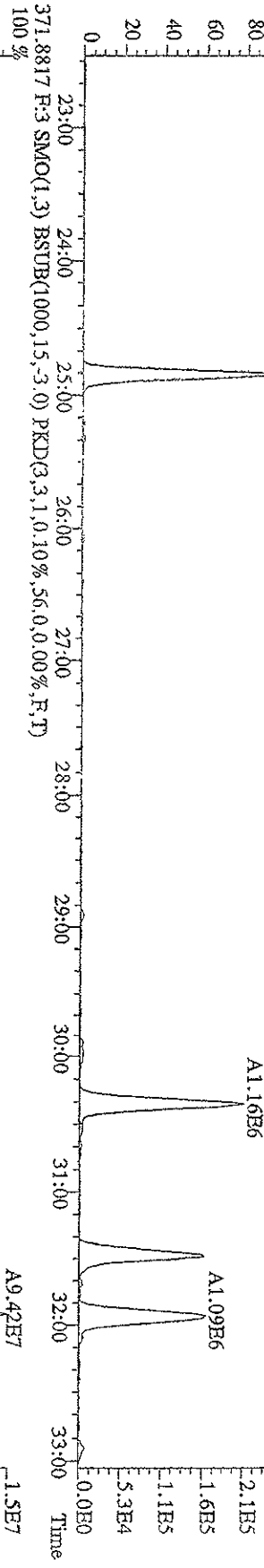
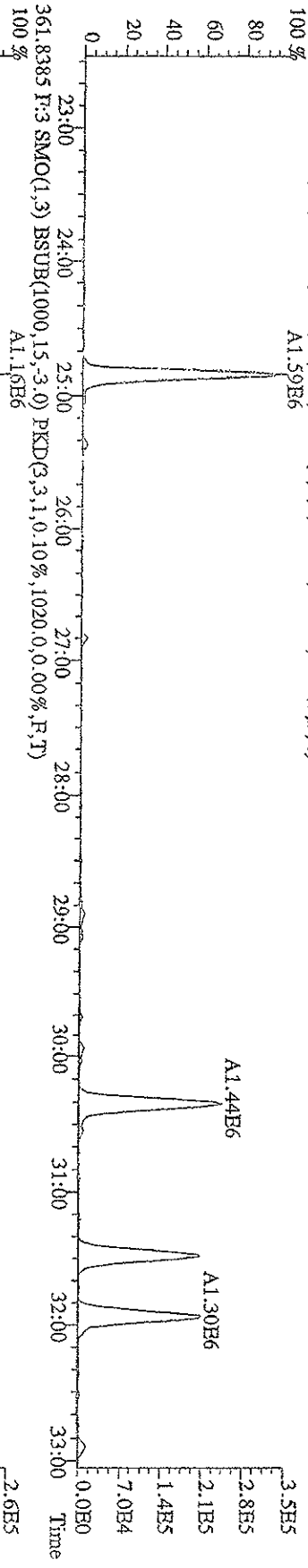




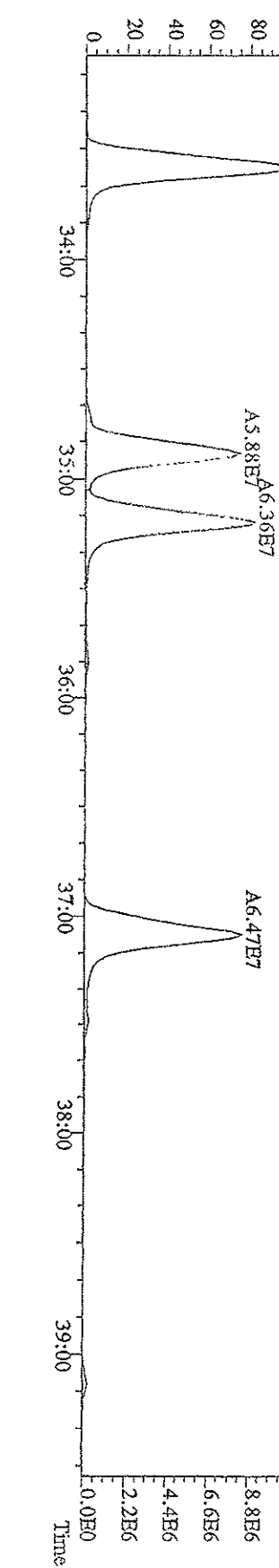
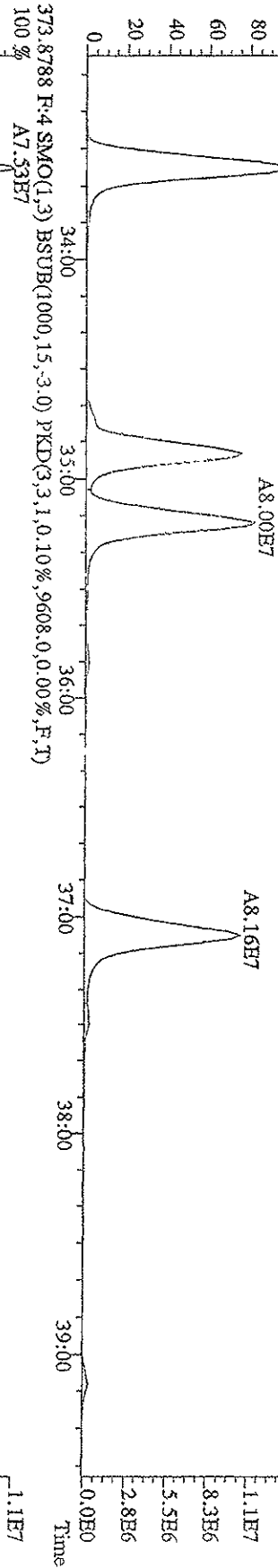
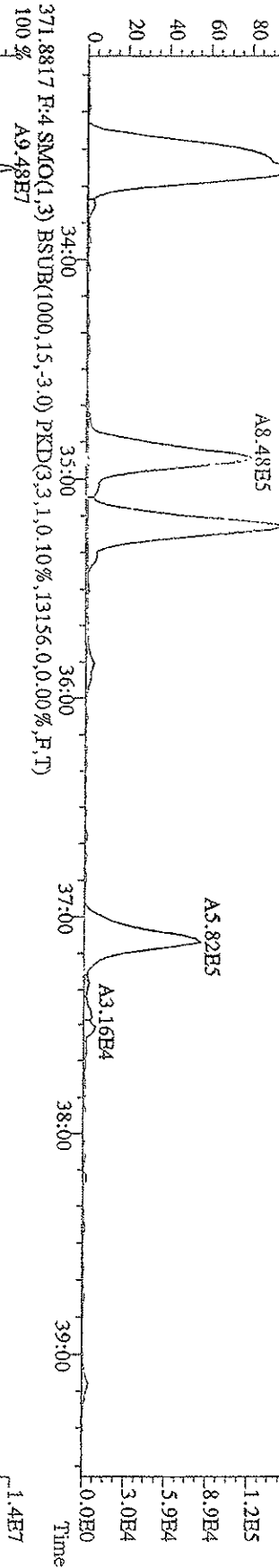
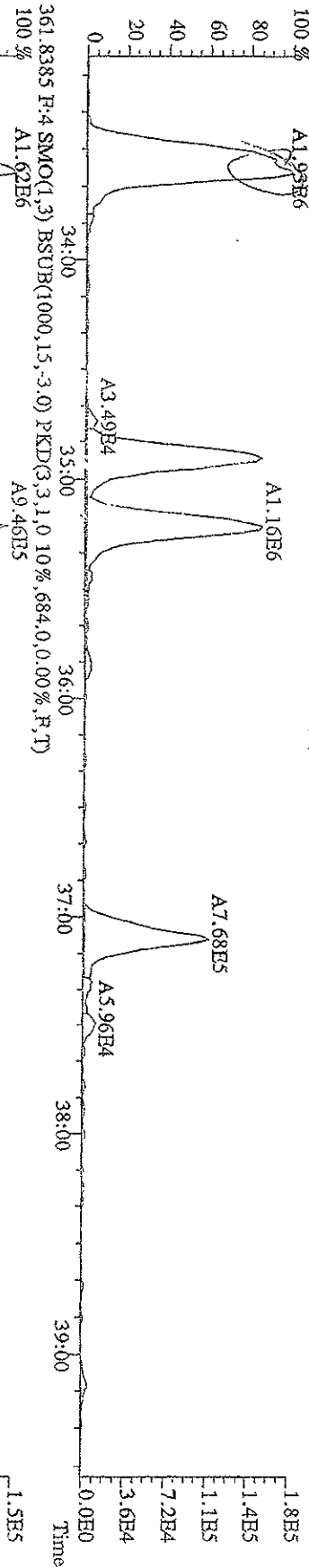
File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UtimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 323.8834 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,1500,0.0,0.00%,R,T)  
 100 %



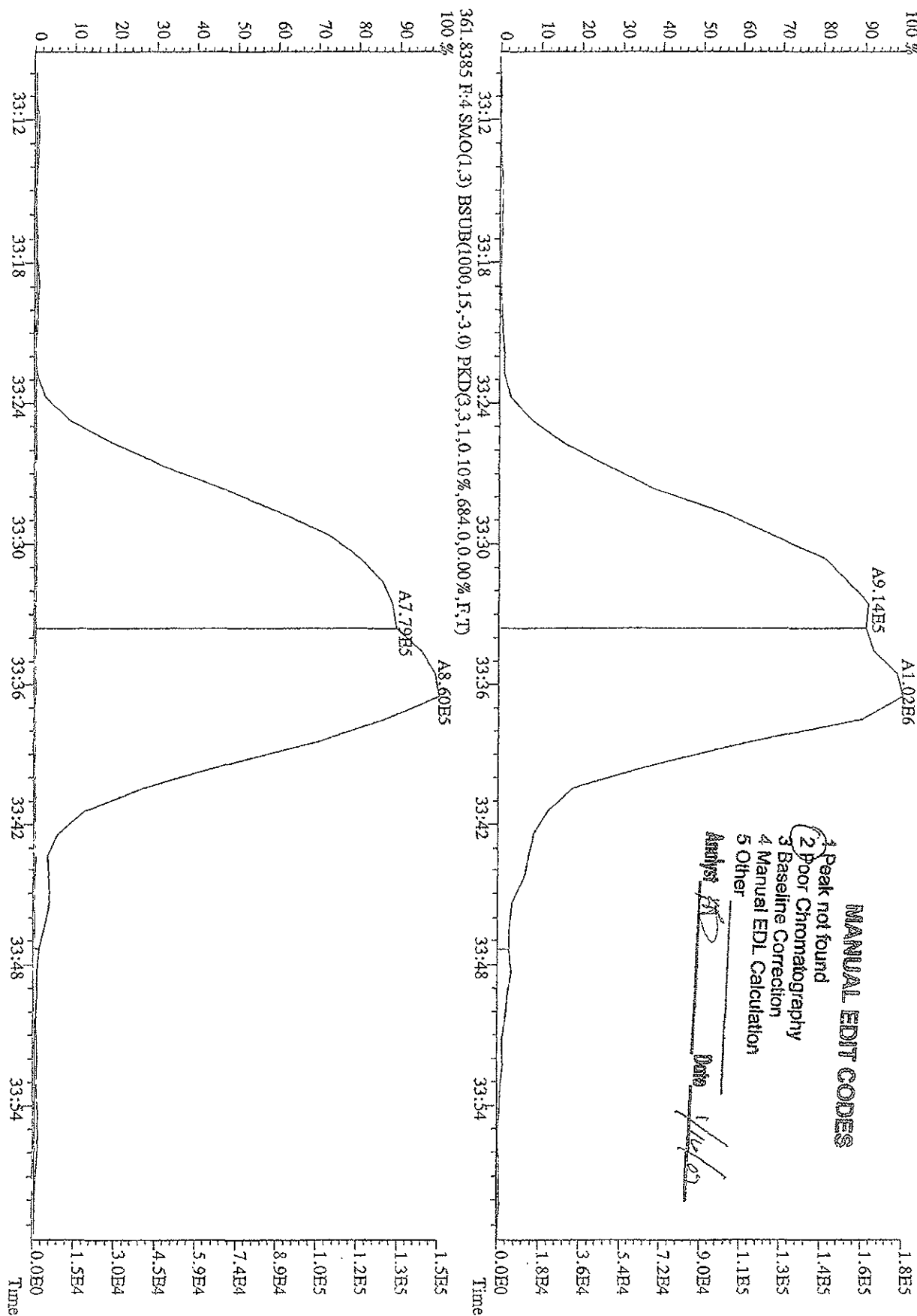
File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC FI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209IDB5  
 359.8415 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1376,0,0,00%,F,T)  
 100% A1.59B6



File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,928,0,0.00%,F,T)  
 100%



File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359.8415 P:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,684,0,0,00%,F,T)

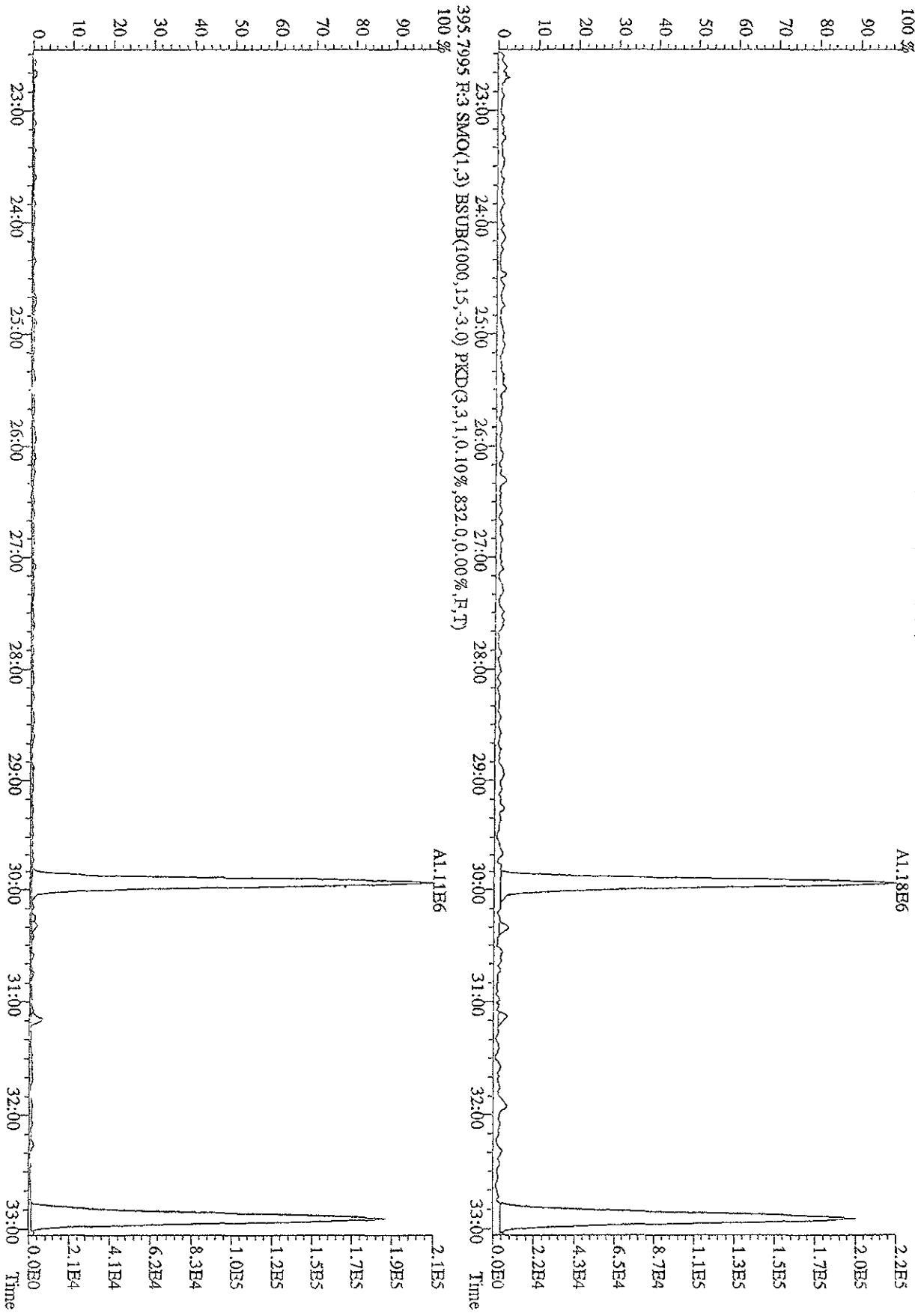


**MANUAL EDIT CODES**

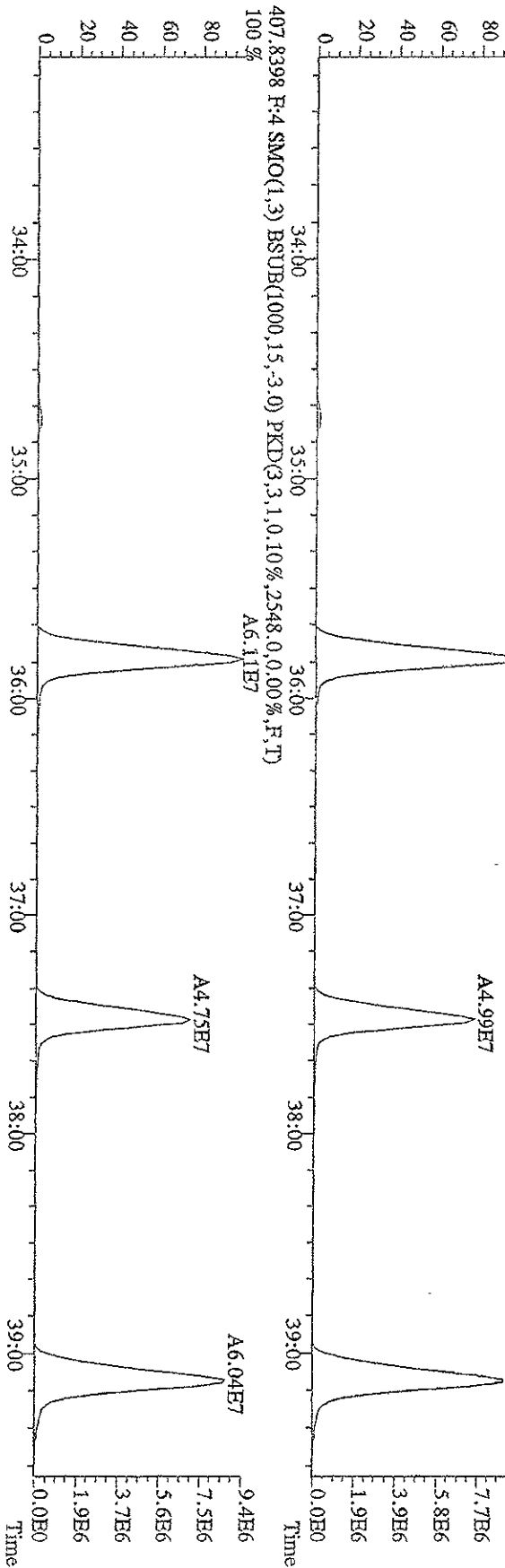
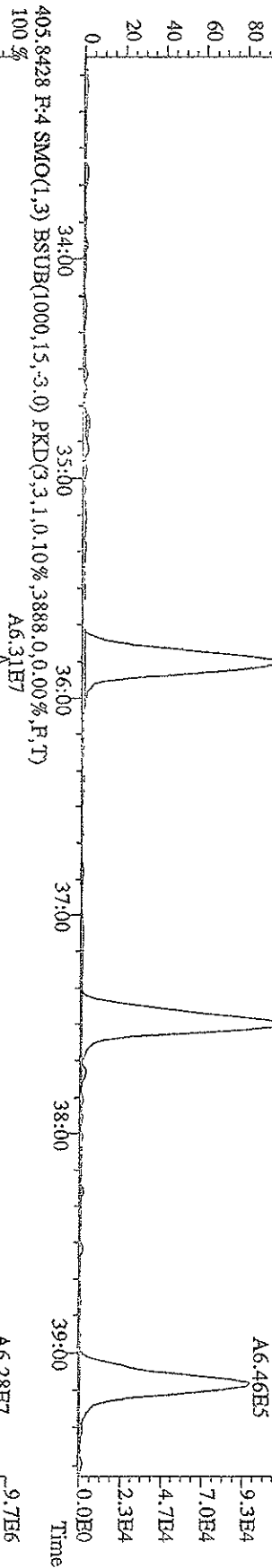
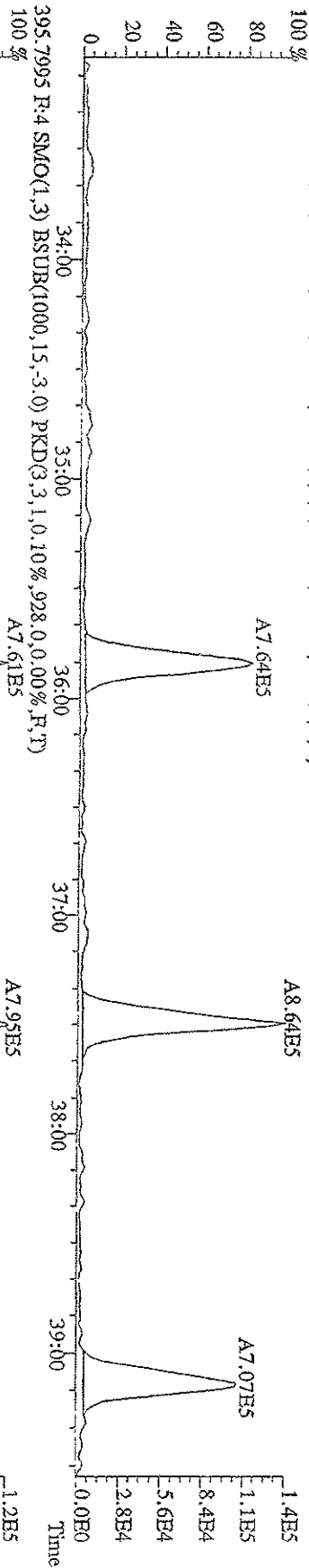
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst ST Date 1/16/09

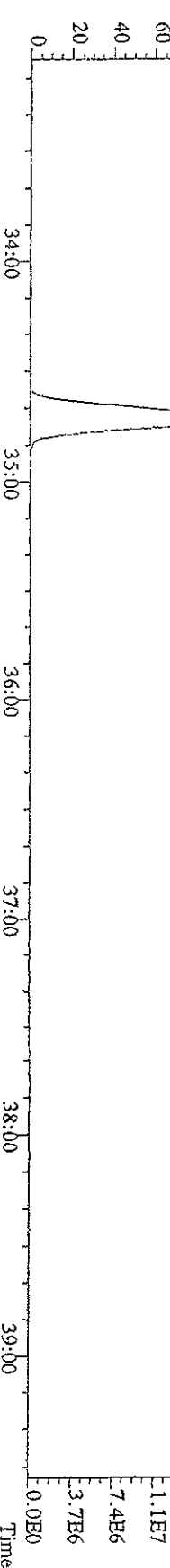
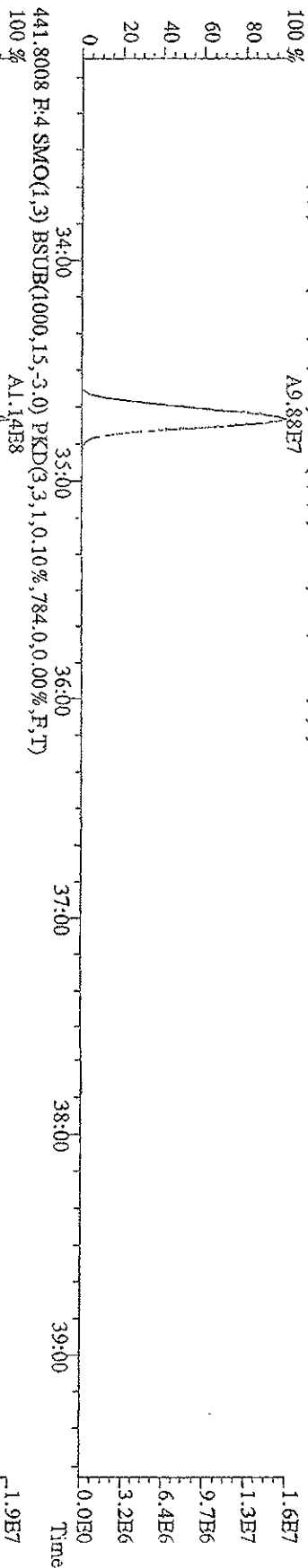
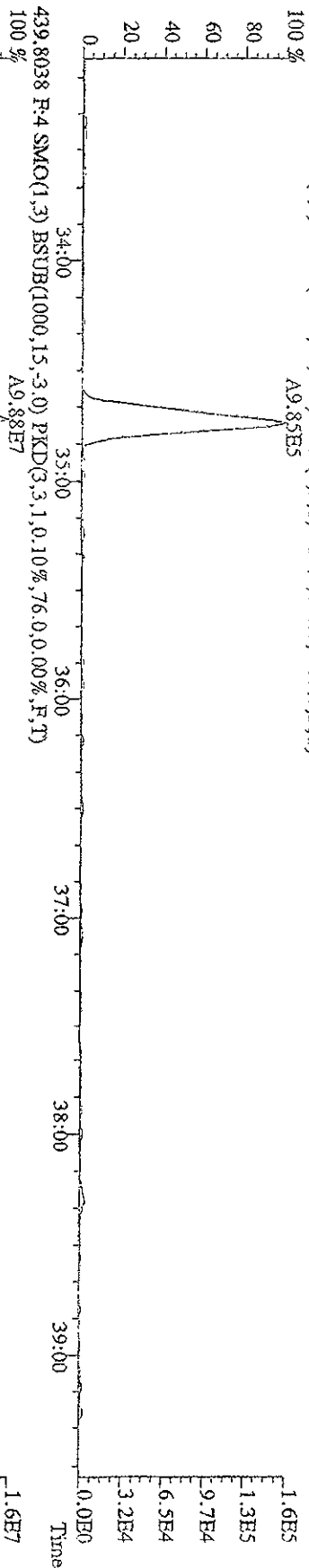
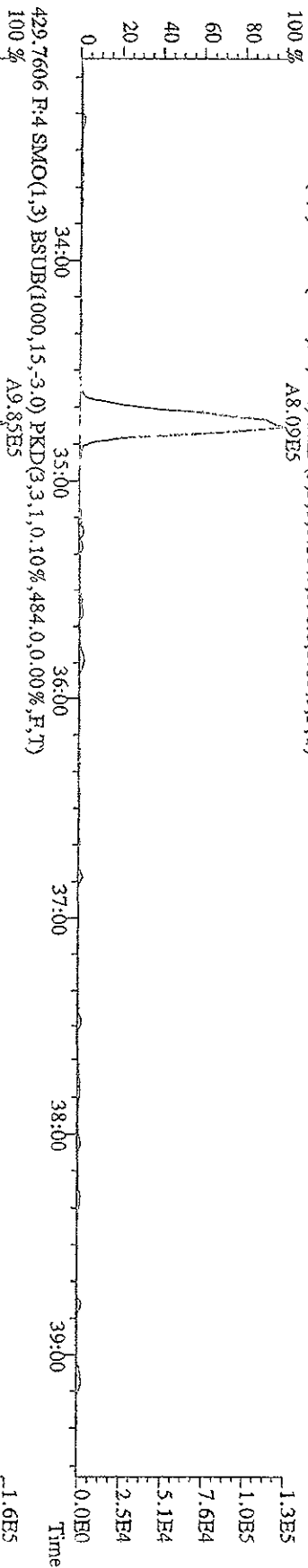
File:151A09DD9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 393.8025 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3252,0,0,00%,F,T)  
 100%



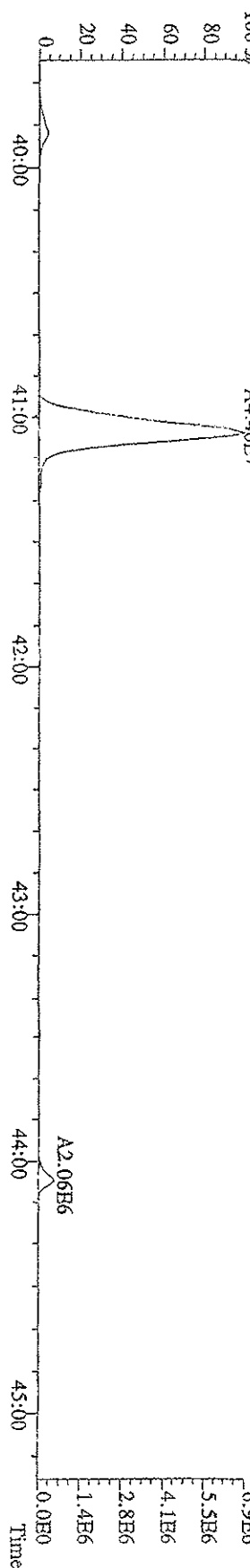
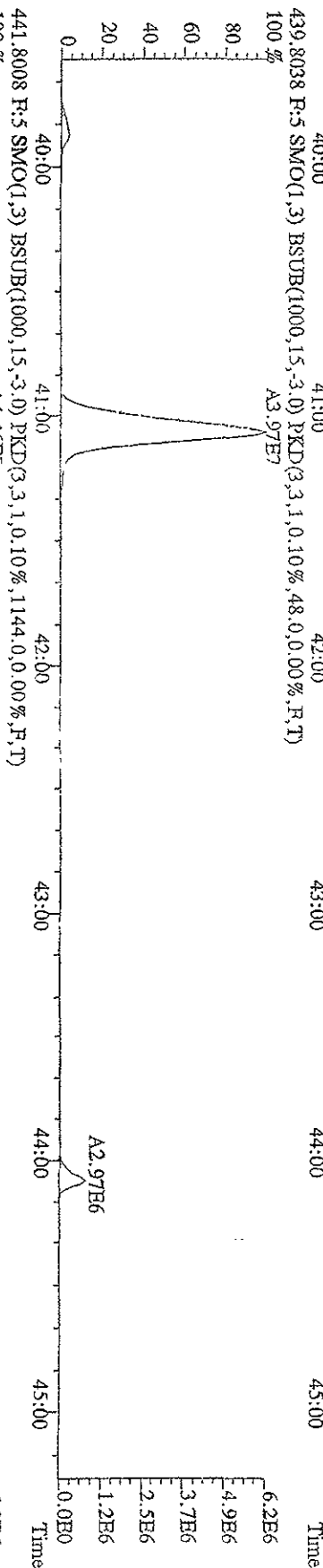
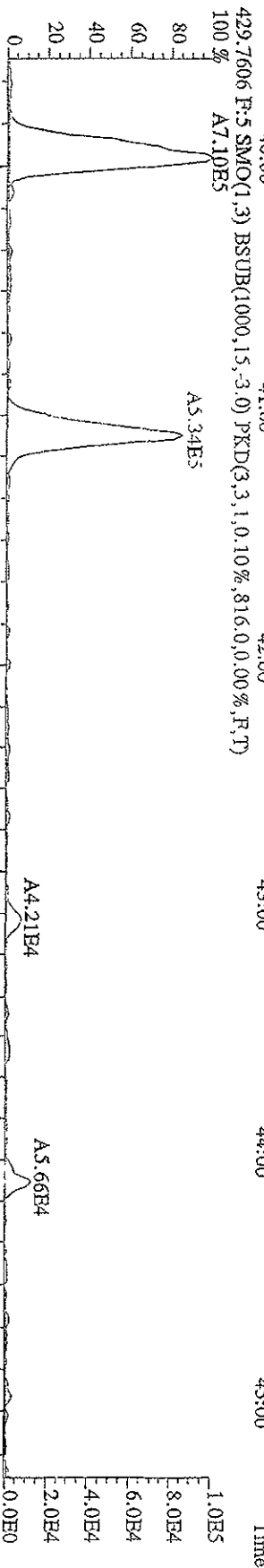
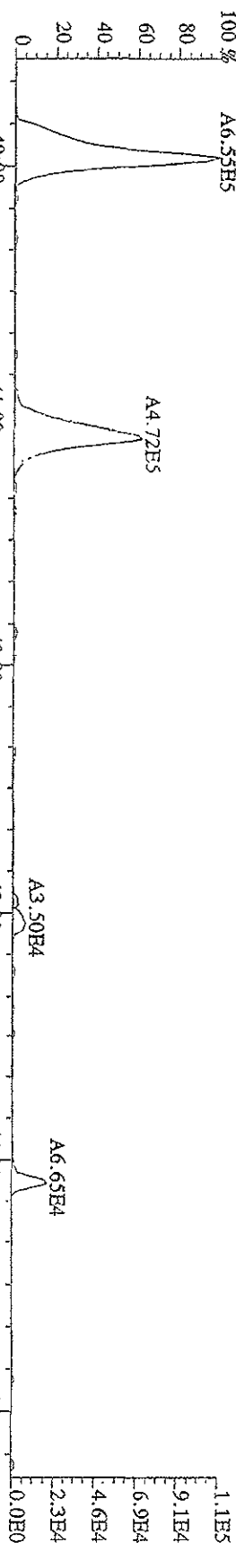
File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 395.7995 F:4 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1.0,10%,928.0,0.00%,F,T)  
 407.8398 F:4 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1.0,10%,2548.0,0.00%,F,T)



Title: 151A09DD9D5 #1-395 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage: 81R Autospec-Ultimate  
 Sample#1 Text: ST0115 :CSI 09DXN014 Exp: 209DB5  
 427.7635 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,484,0,0,00%,F,T)  
 100% A8.09E5

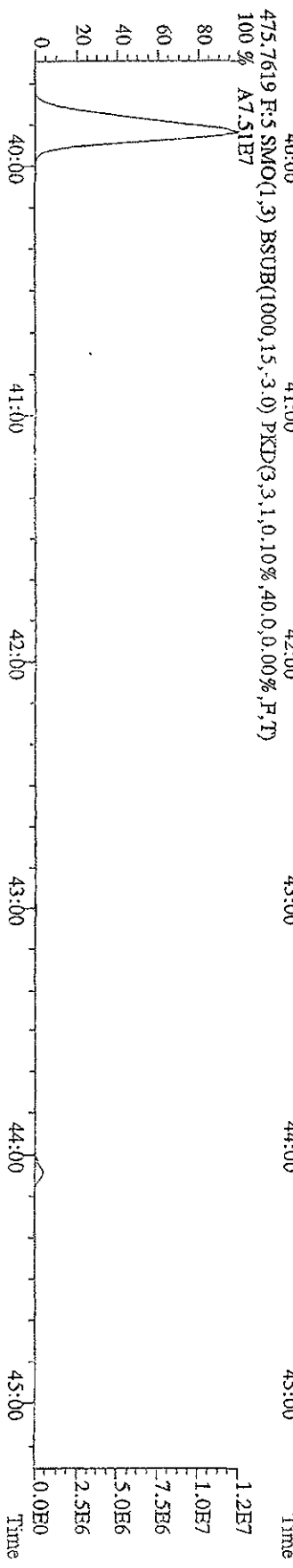
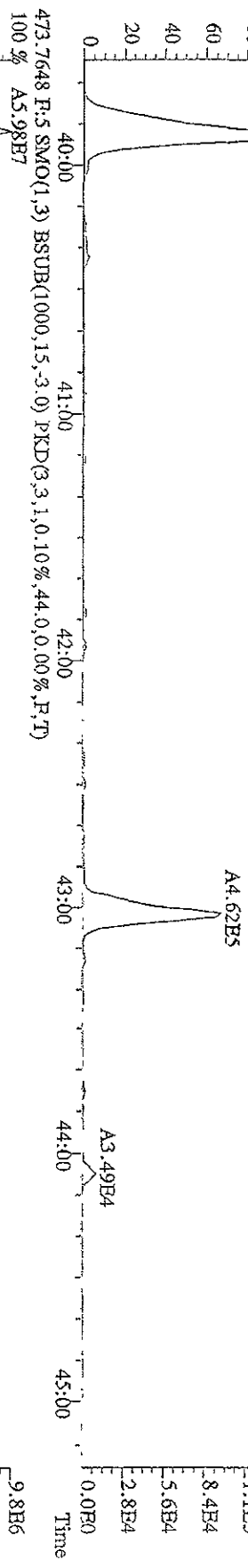
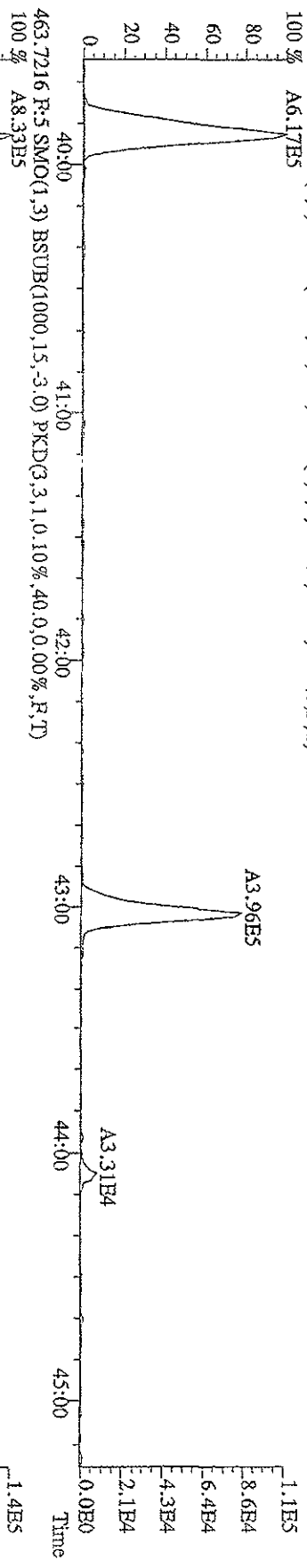


File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 427.7635 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,76,0,0,0,00%,F,T)  
 100 % A6.55E5

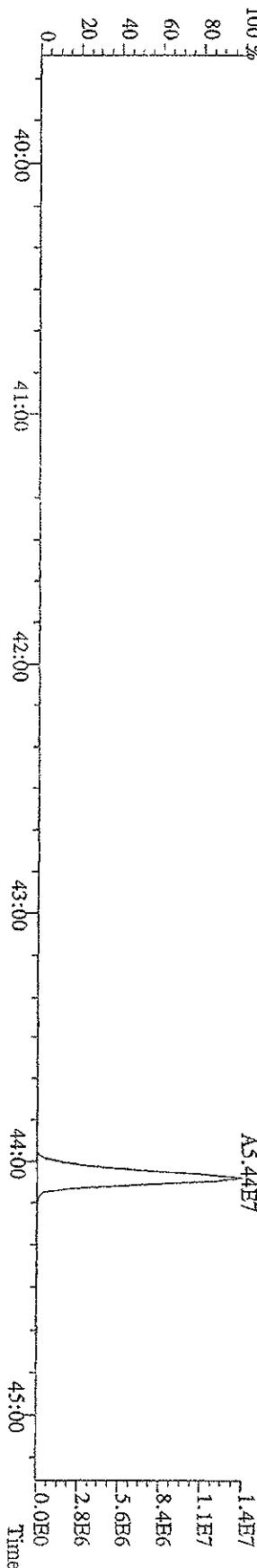
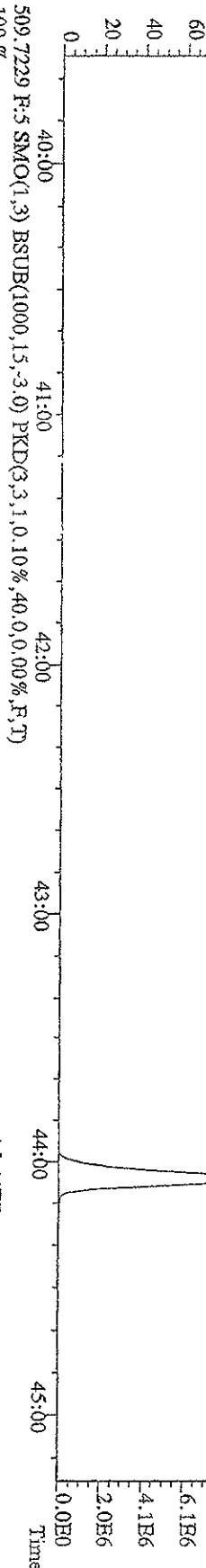
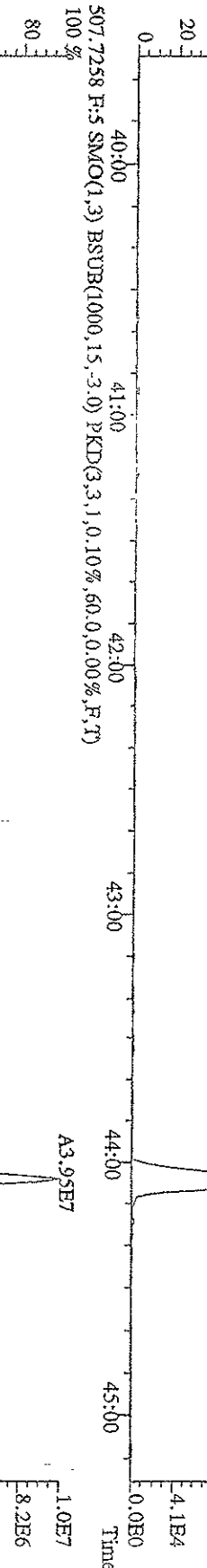
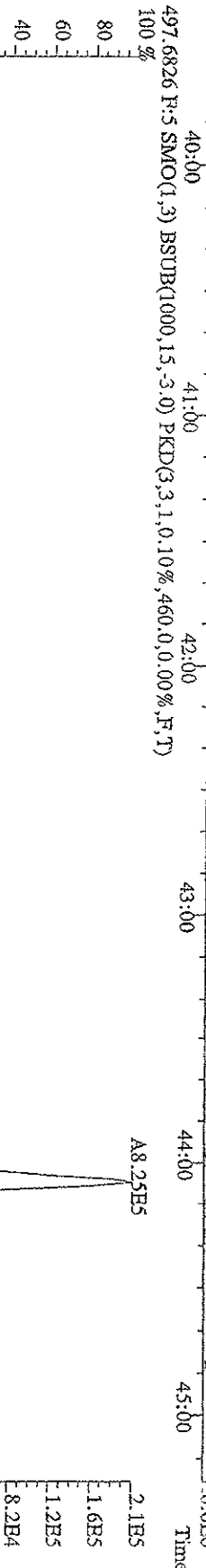
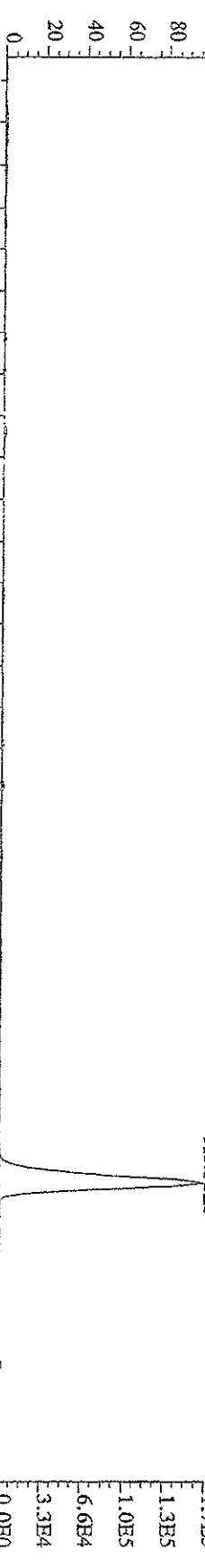




File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-UltimaE  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 461.7245 P:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3.1,0.10%,336,0.0,0.00%,F,T)  
 100 % A6.17E5

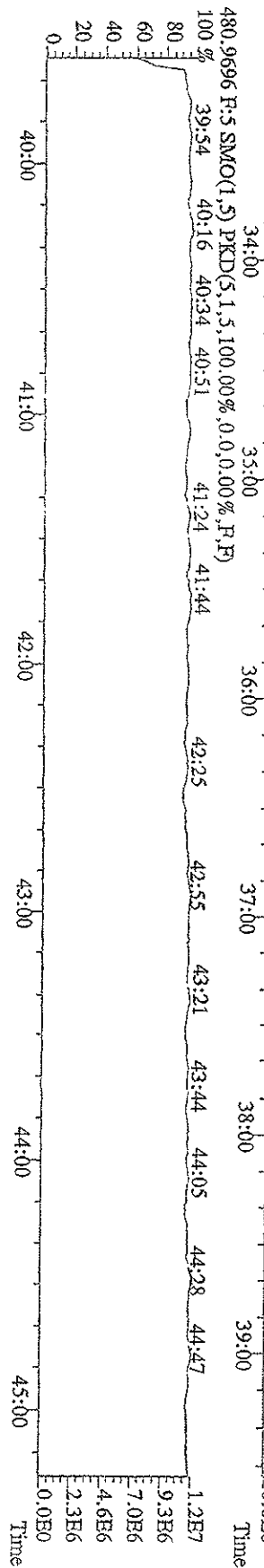
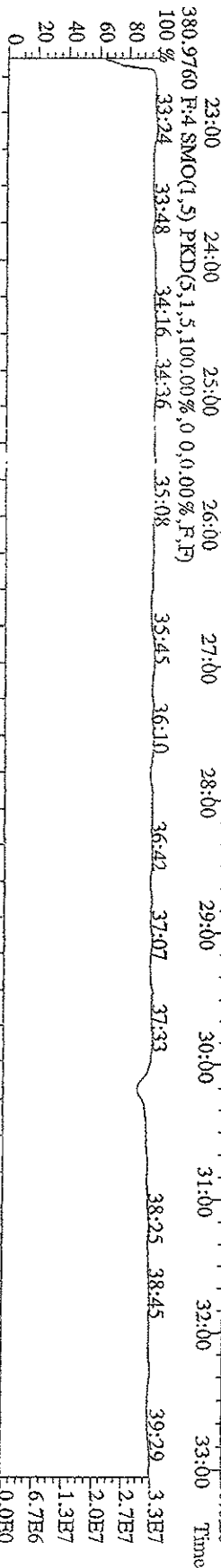
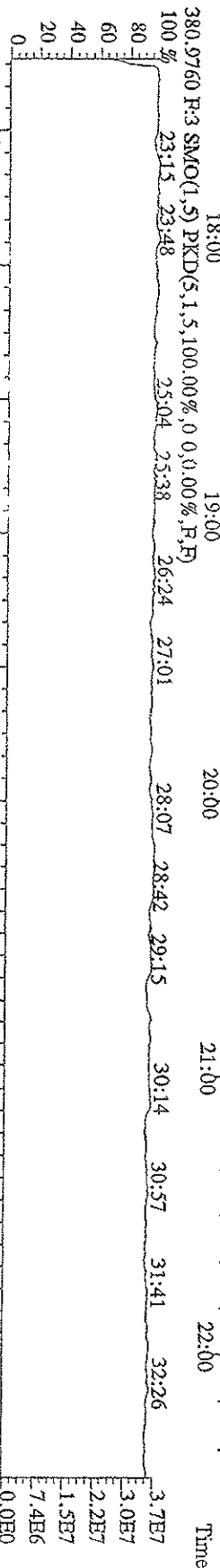
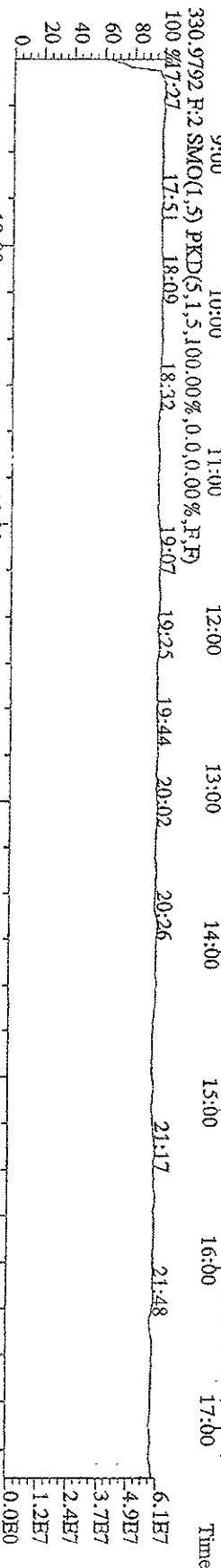
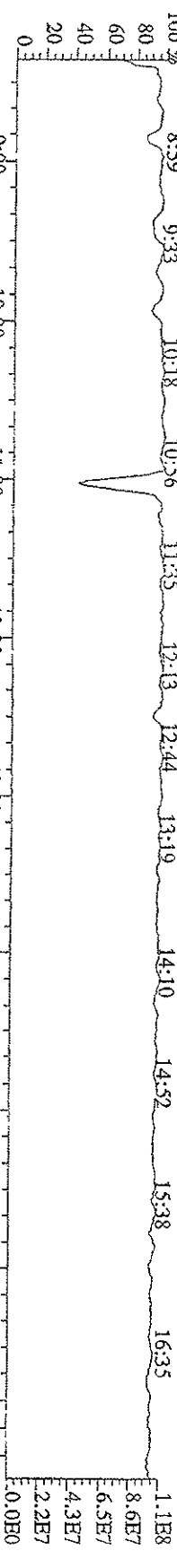


File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-UltimatB  
 Sample#1 Text:ST0115 :CS1 09DXN014 Exp:209DB5  
 495.6856 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,420,0,0,00%,F,T)

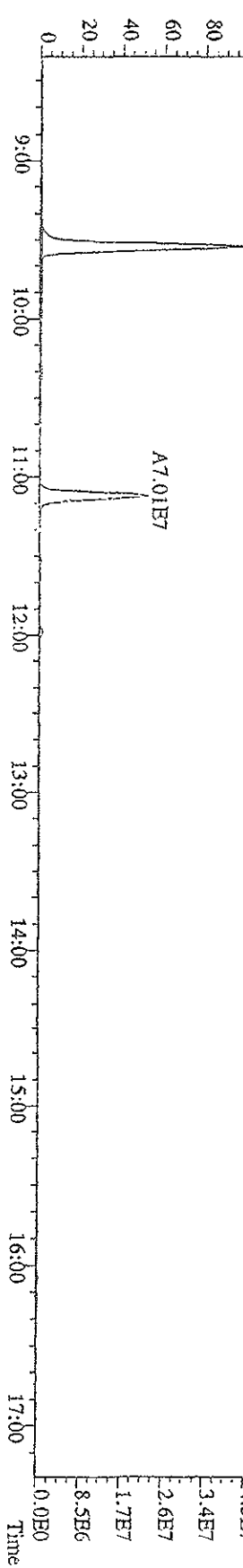
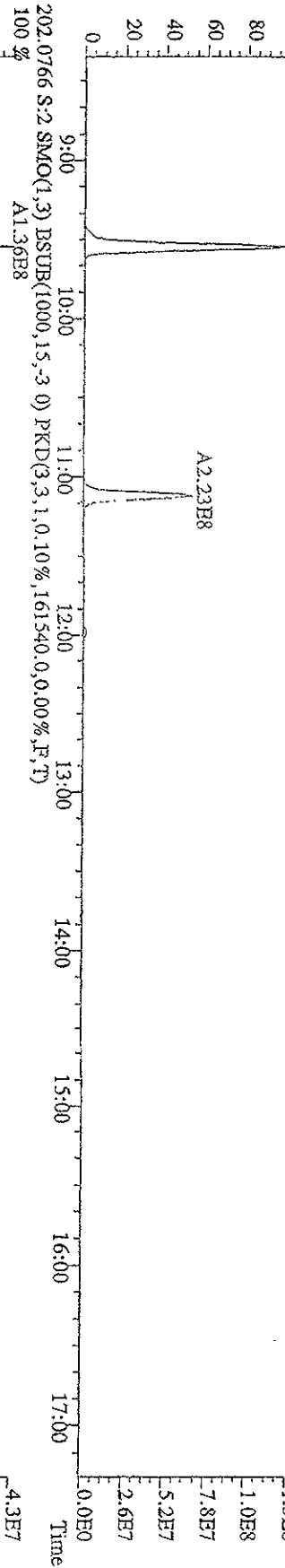
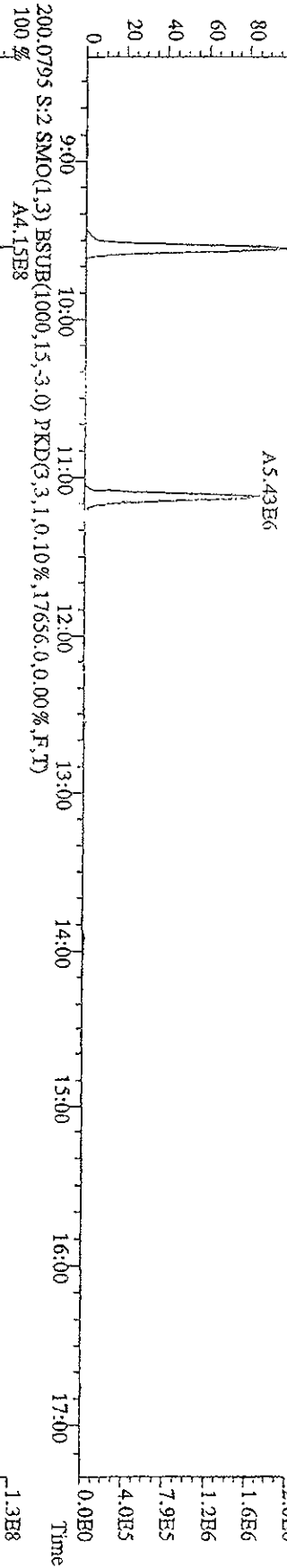
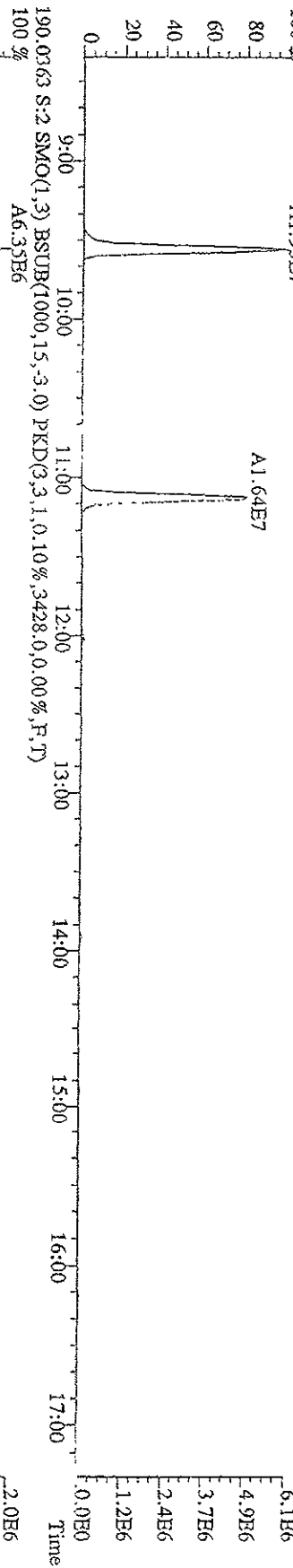


File: 151A09DD9D5 #1-608 Acq: 15-JAN-2009 20:25:19 GC FI + Voltage STR Atmospec-UHIMA#

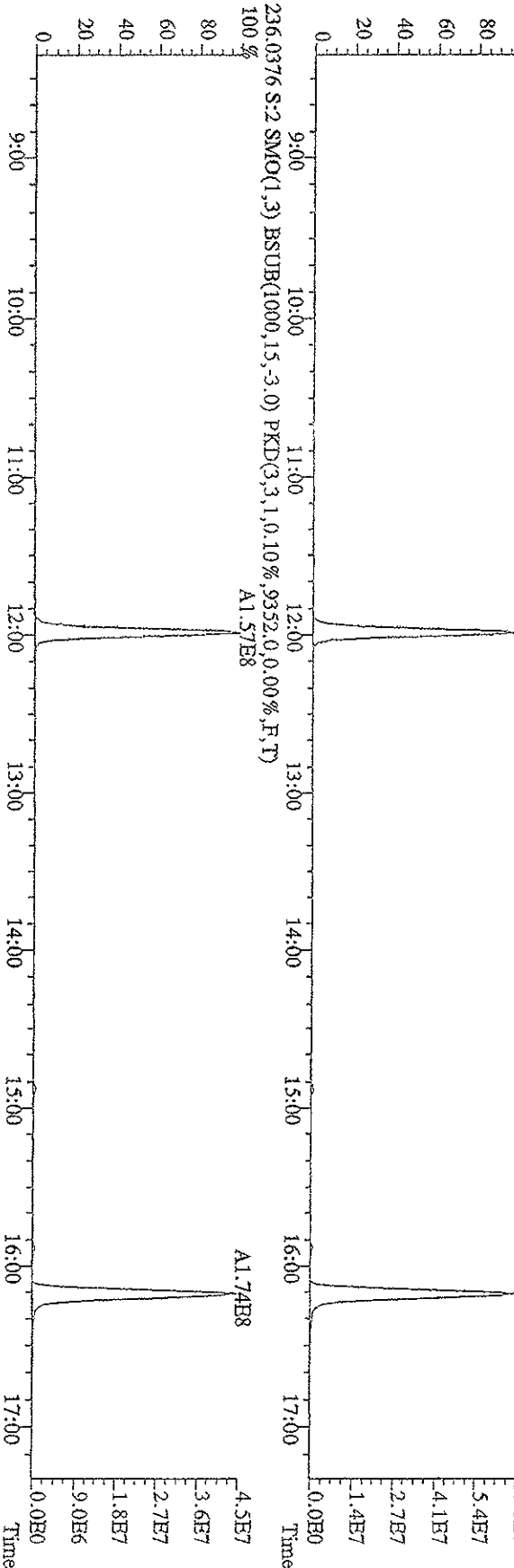
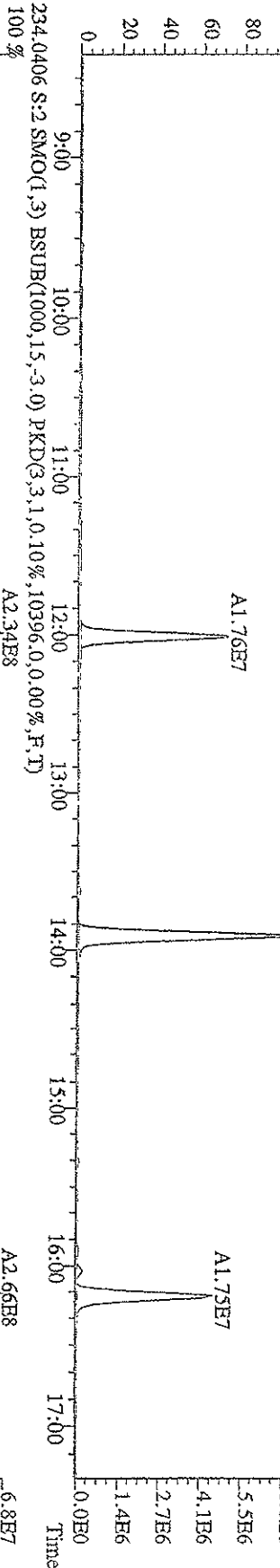
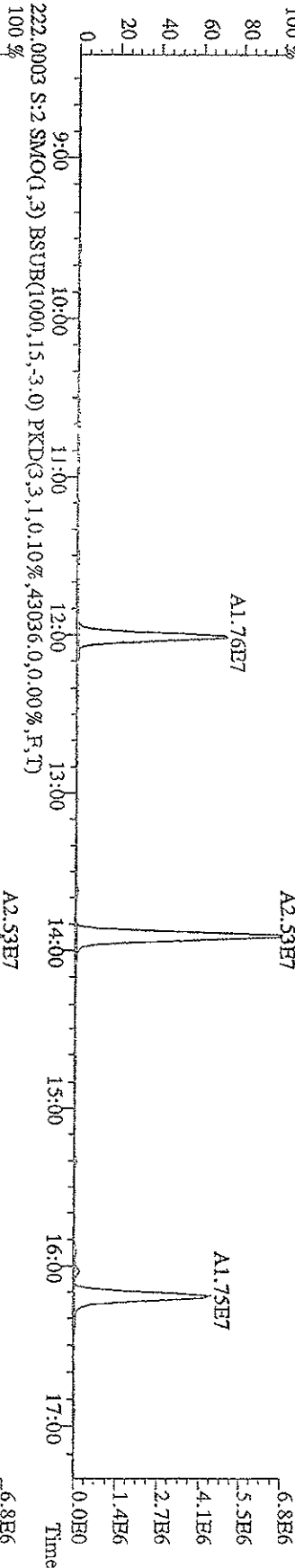
Sample#1 Text: ST0115 : CSI 09DXN014 Exp: 209DB5



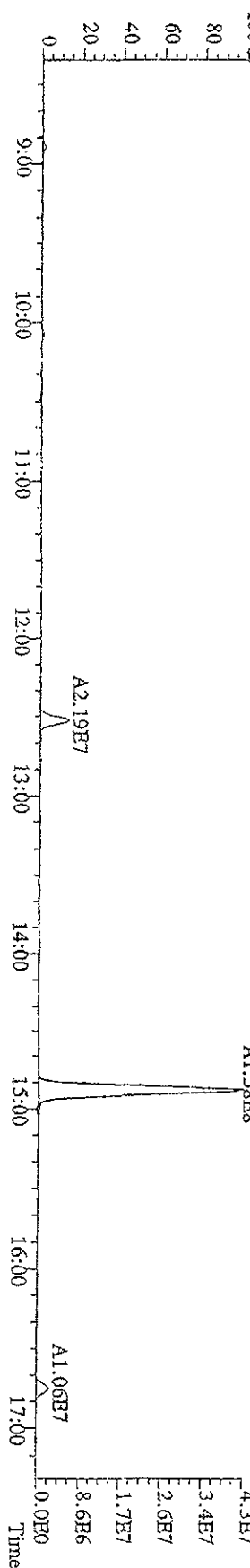
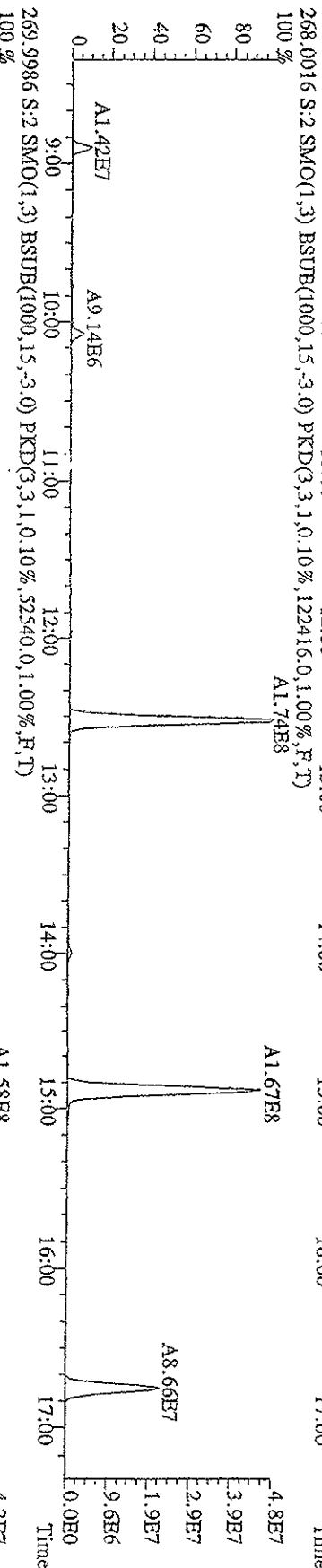
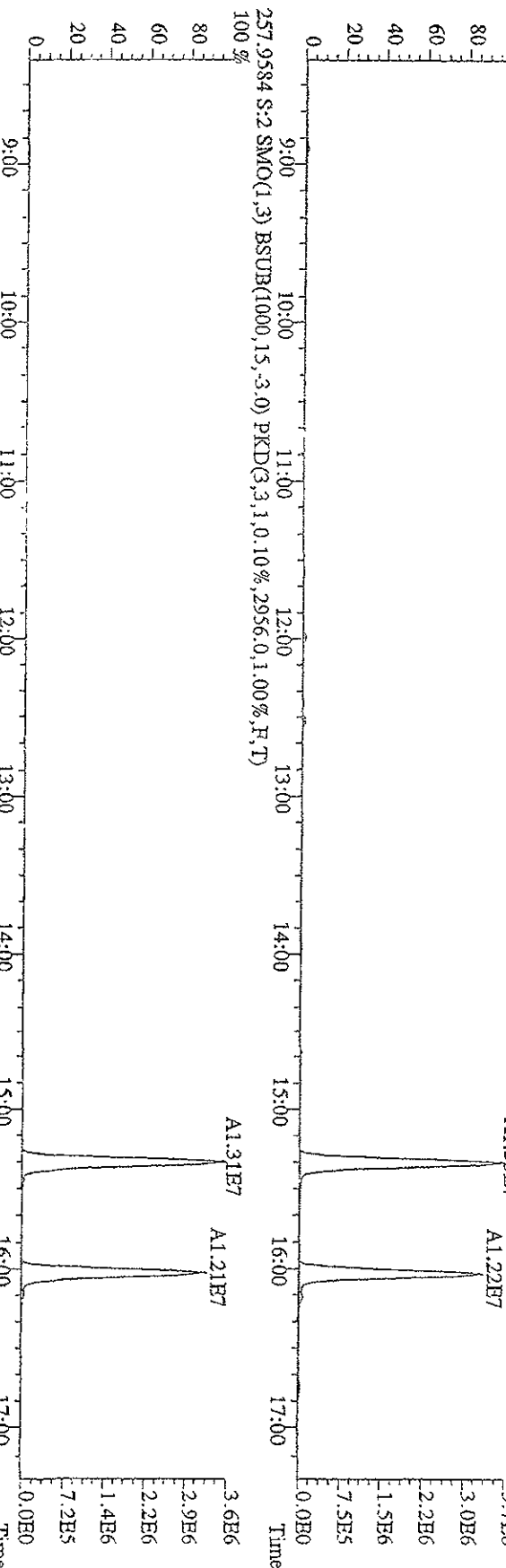
File:151A09D9D5 #1-609 Acq:15 JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 188.0393 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5748,0,0,00%,F,T)  
 100% A1.95E7



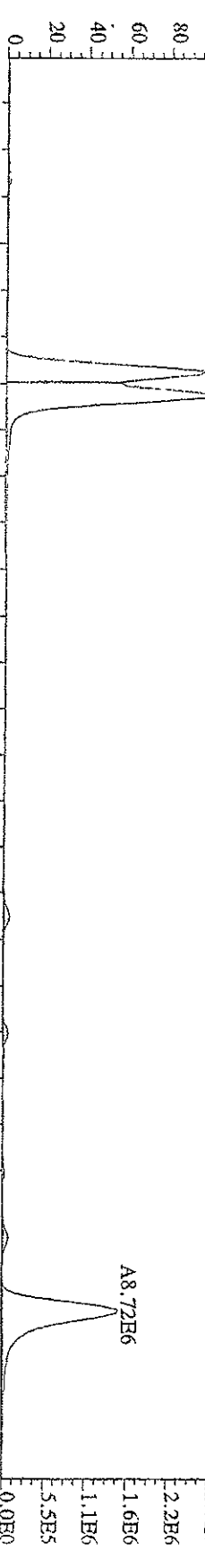
File:151A09DD9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI + Voltage SIR Autospec-UHimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 222.0003 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,43036,0,0,00%,F,T) 100%  
 234.0406 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10396,0,0,00%,F,T) 100%  
 236.0376 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9352,0,0,00%,F,T) 100%



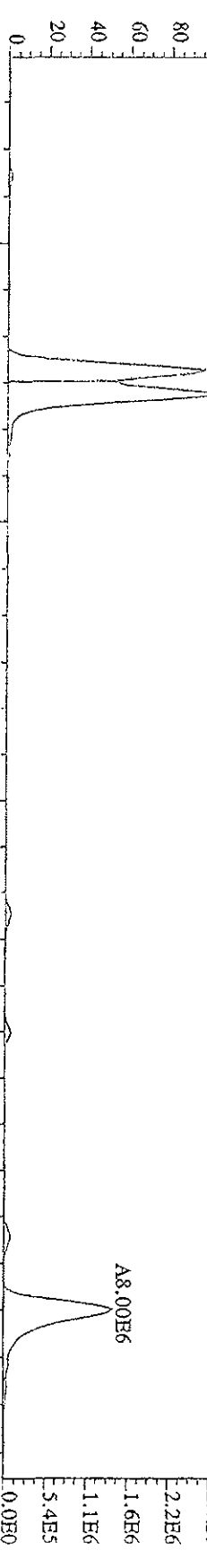
File:151A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 257.9584 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2956,0,1,00%,F,T) 100 %



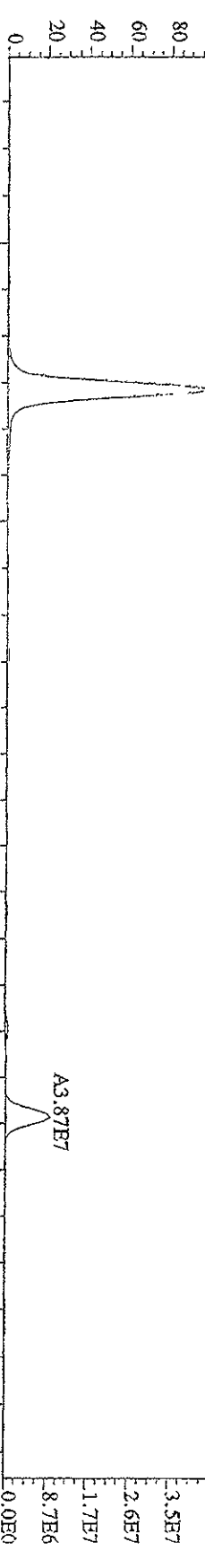
File:151A09DD9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 255.9613 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6728,0,1,00%,F,T)  
 100 %



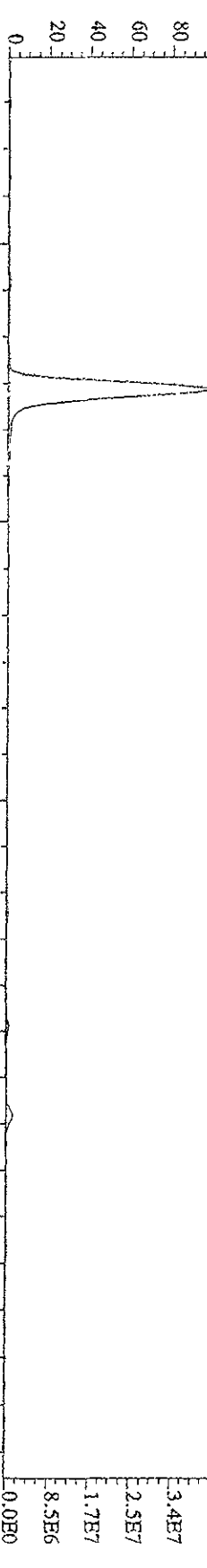
257.9584 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1800,0,1,00%,F,T)  
 100 %



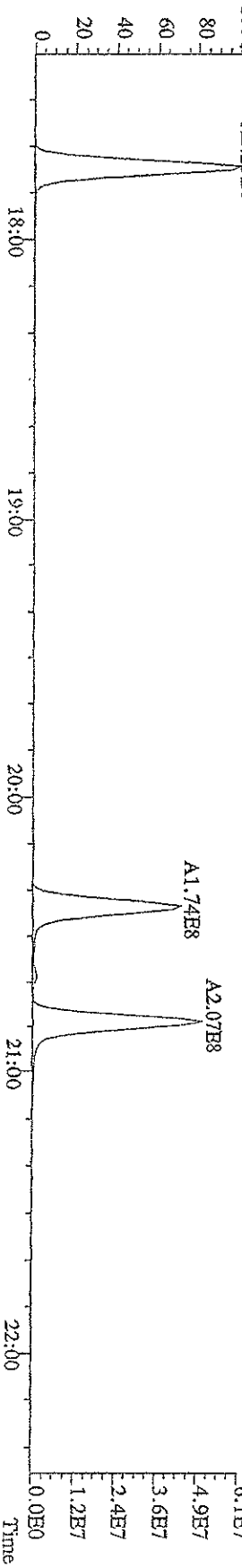
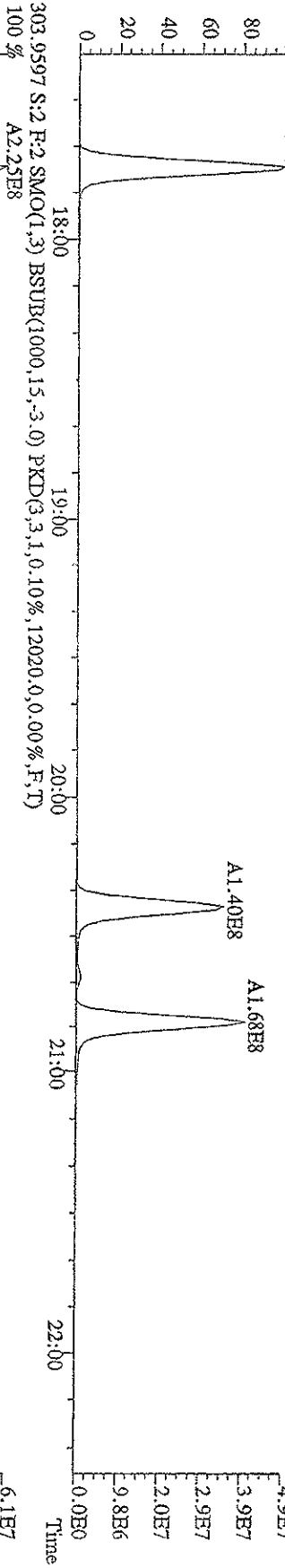
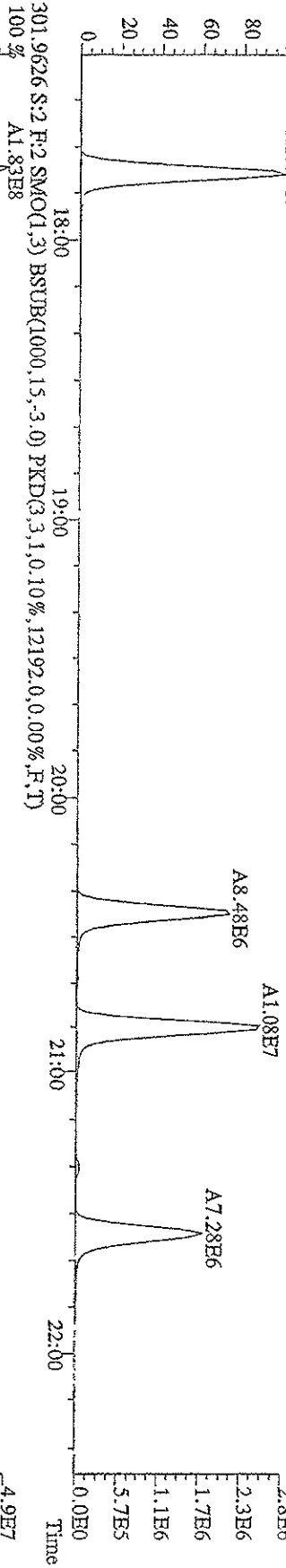
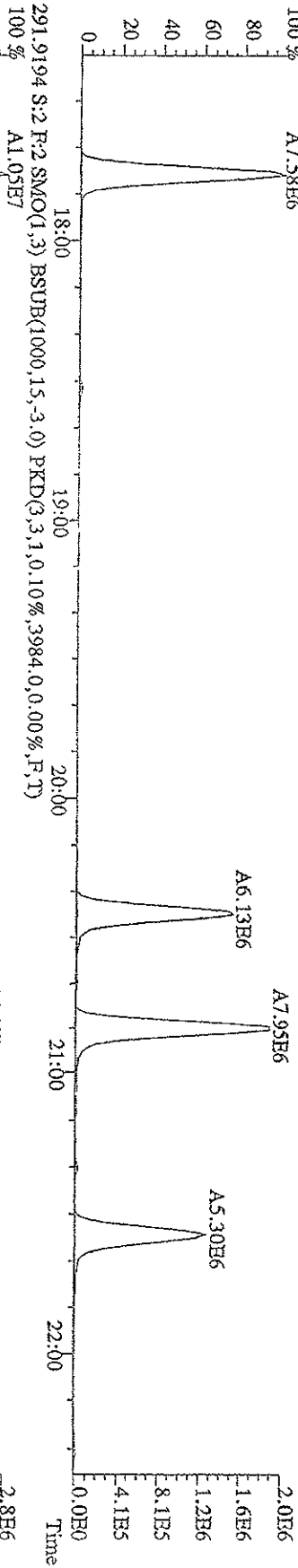
268.0016 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,104188,0,1,00%,F,T)  
 100 %



269.9986 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,78888,0,1,00%,F,T)  
 100 %

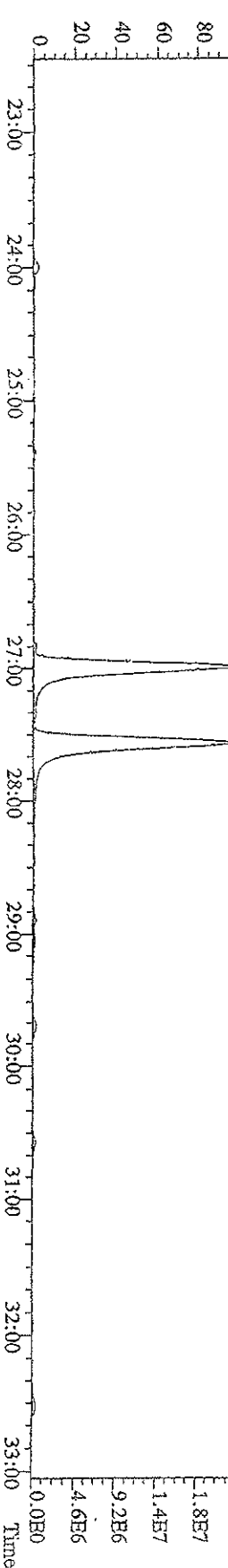
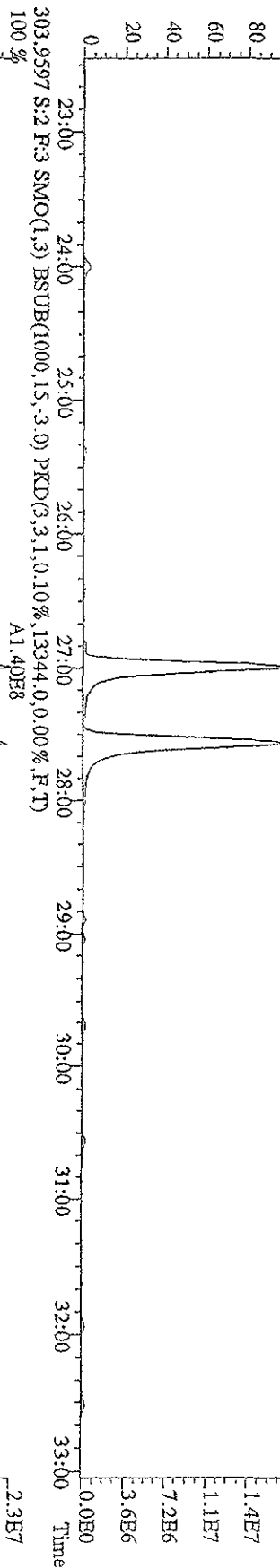
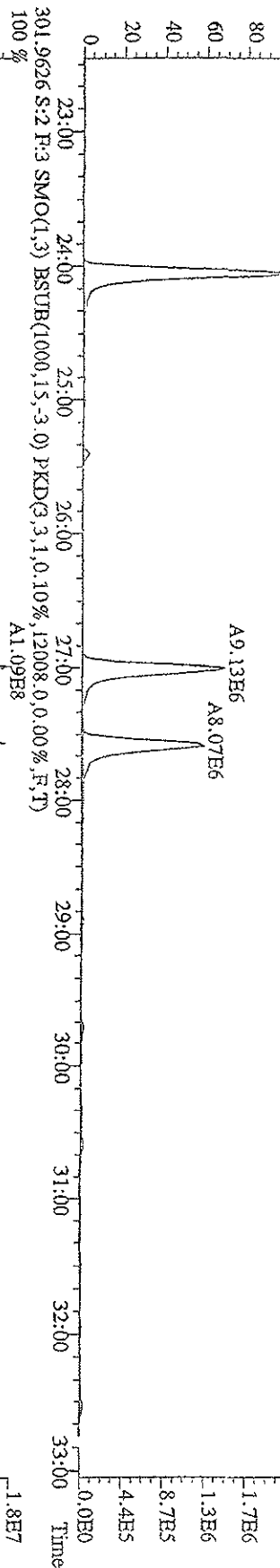
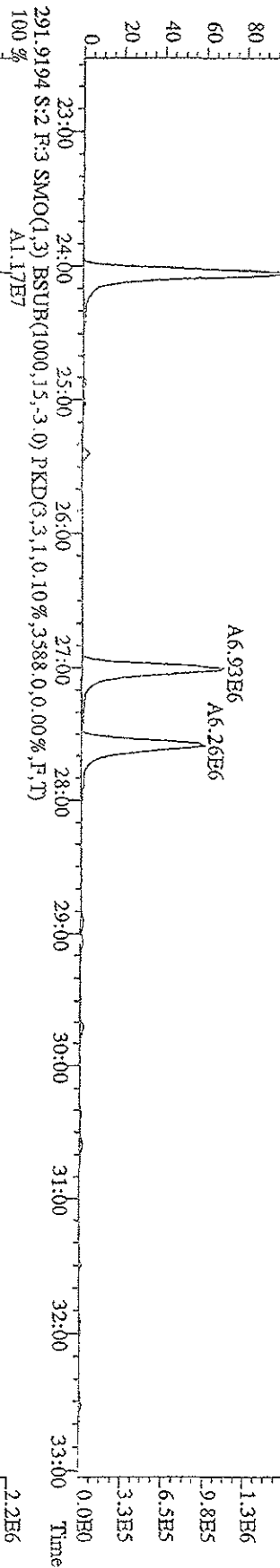


File:151A09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC BI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 289.9224 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,712.0,0.00%,F,T)  
 100 % A7.58E6

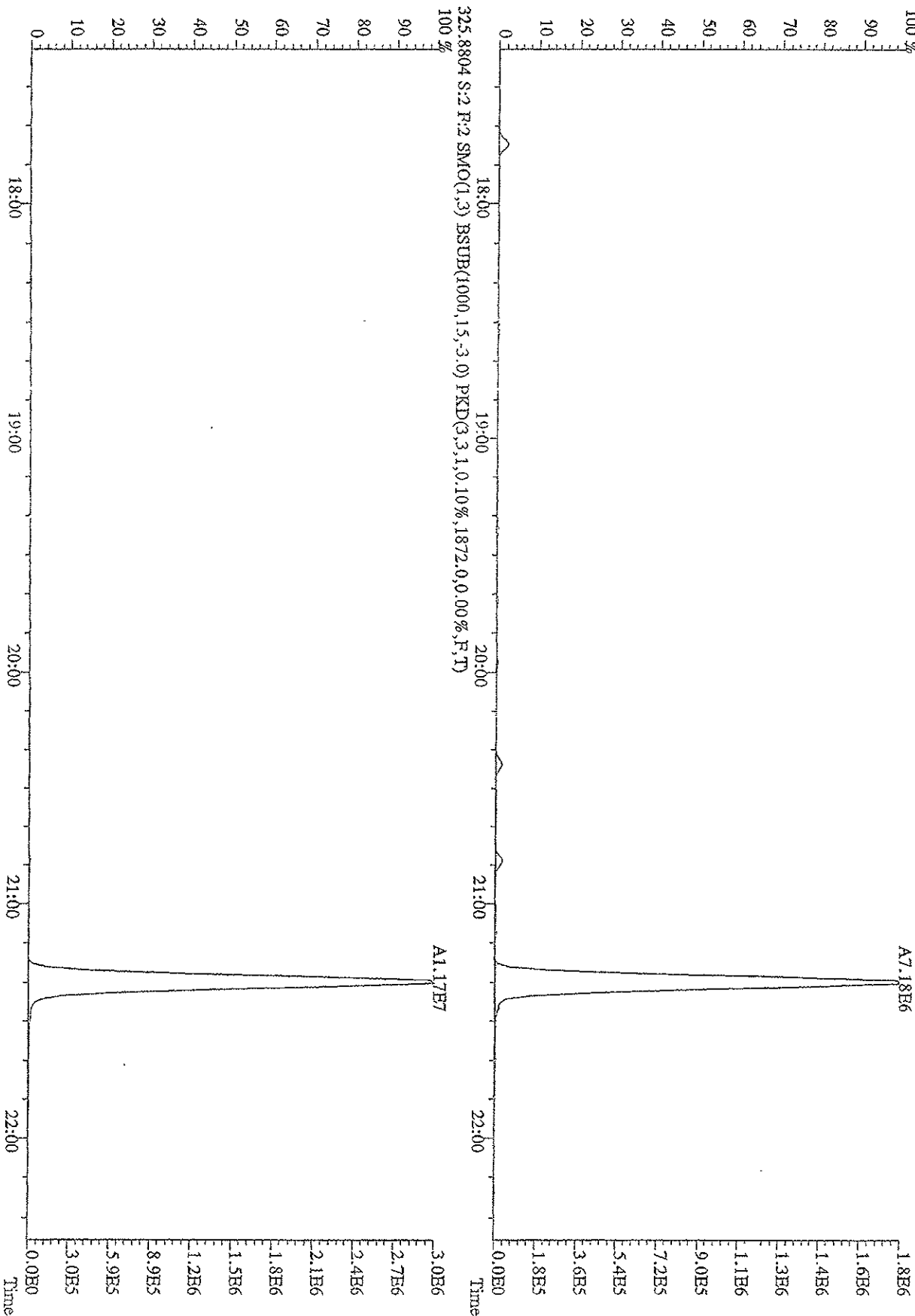




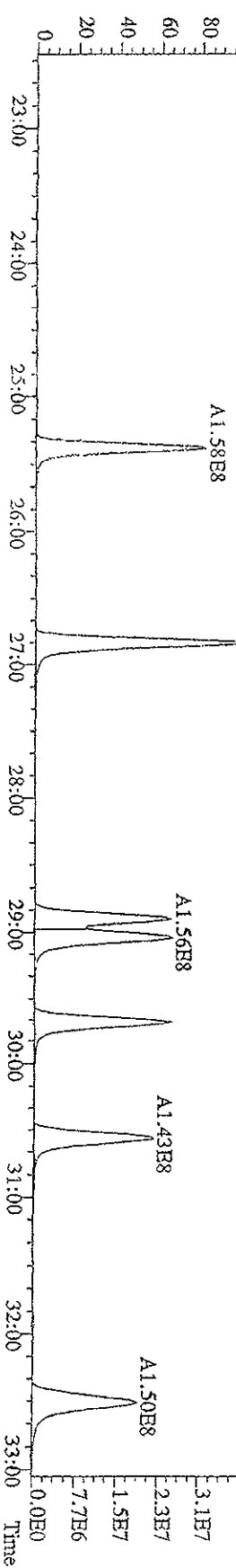
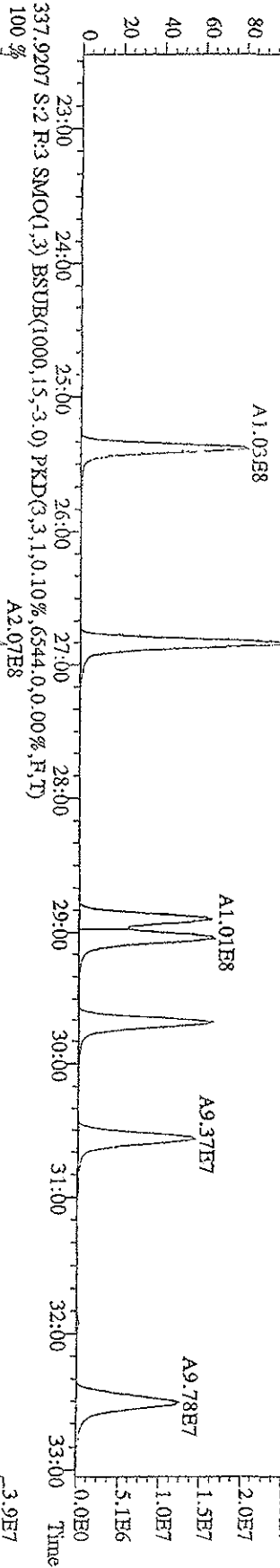
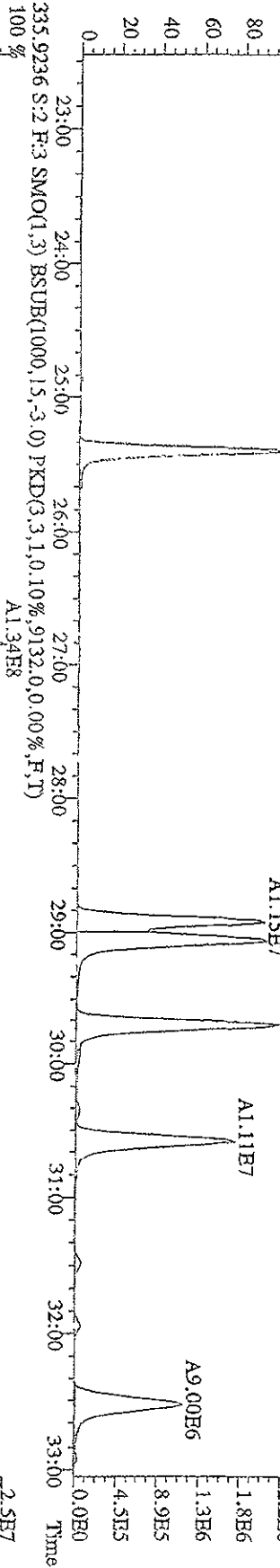
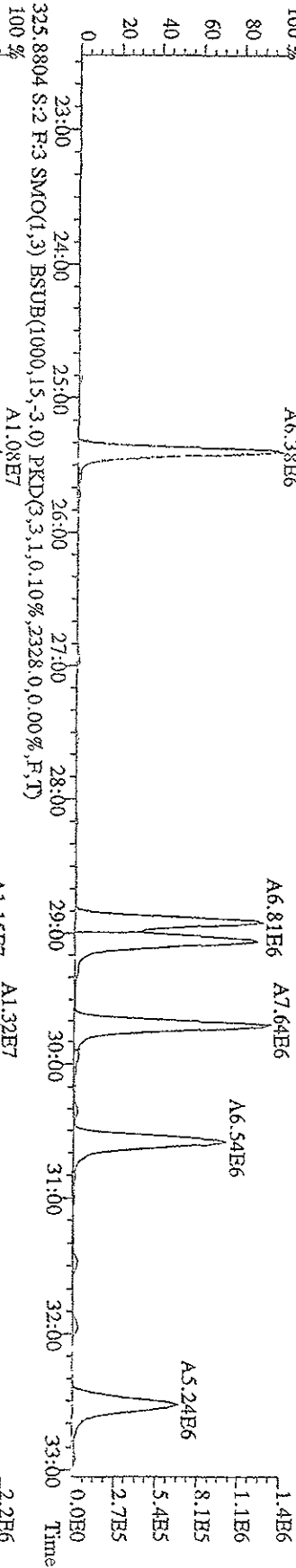
File:15IA09DD9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2360,0,0,00%,F,T)  
 100 % A8.70E6



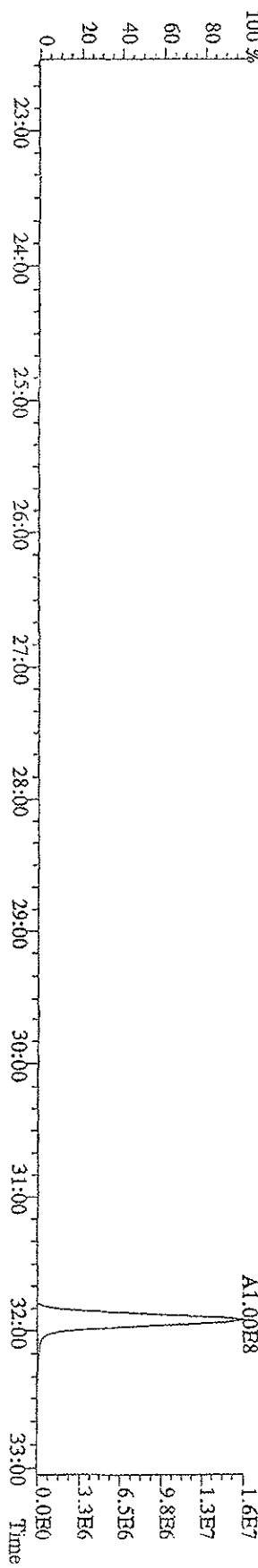
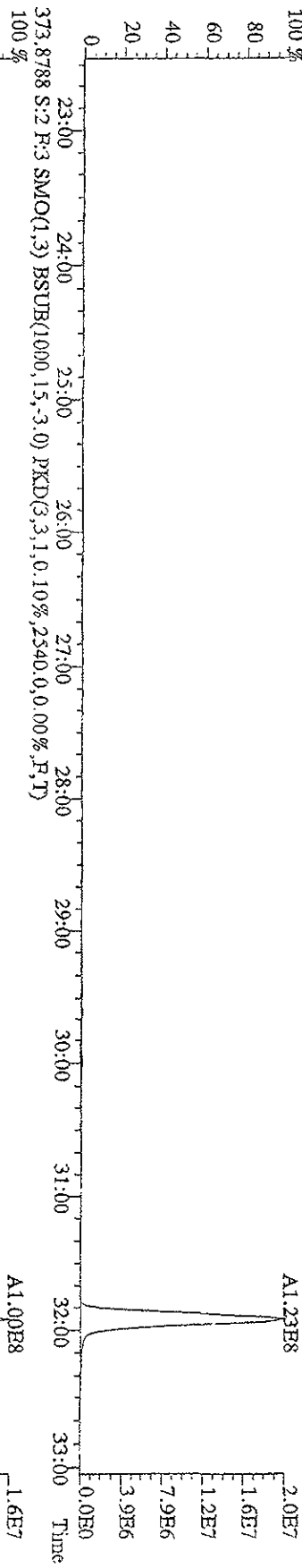
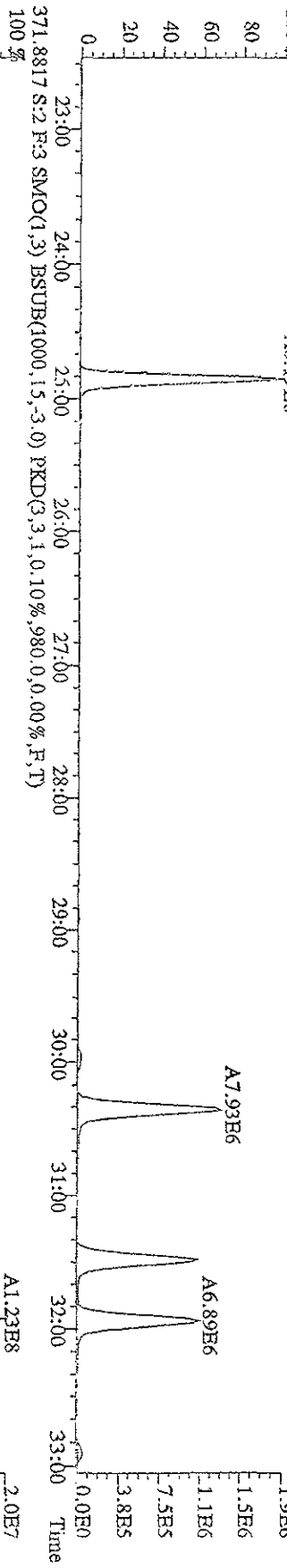
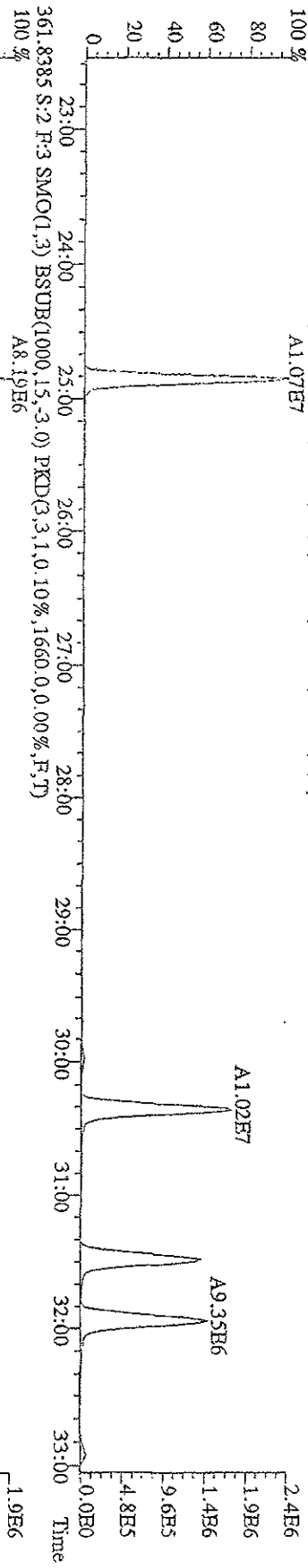
File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 21:16:36 GC HI + Voltage SIR Autospec-UltimaB  
Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
323.8834 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0 10%,2132,0,0,00%,F,T)



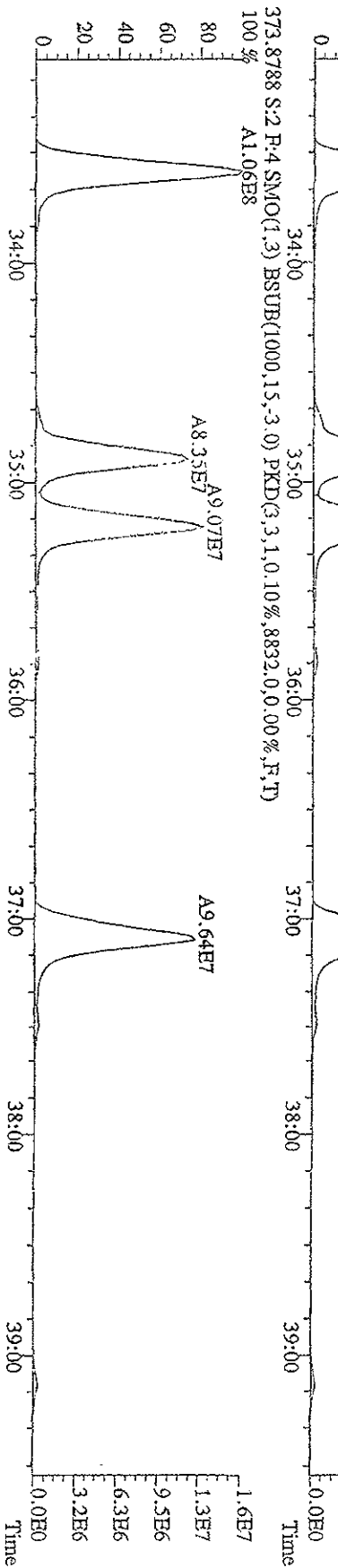
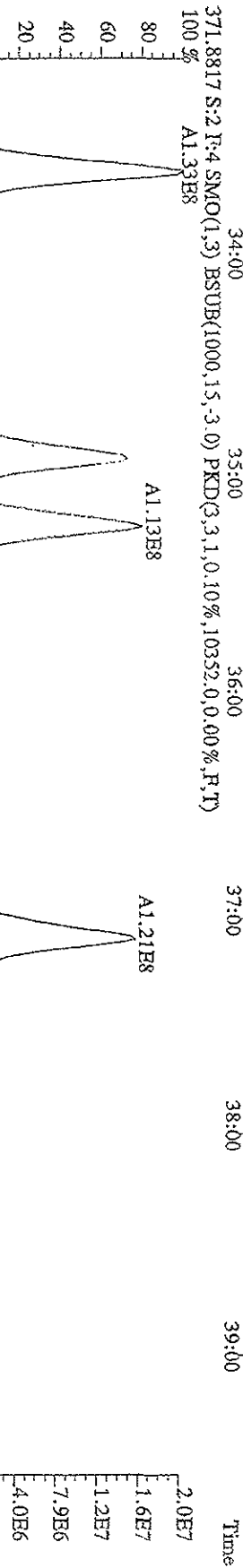
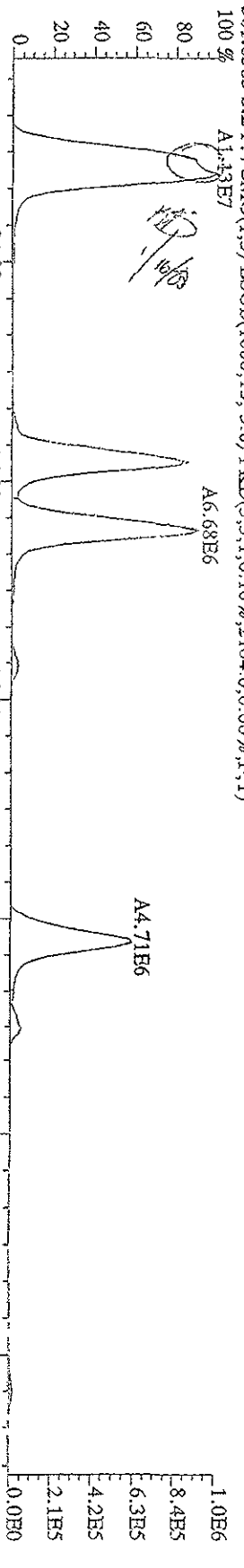
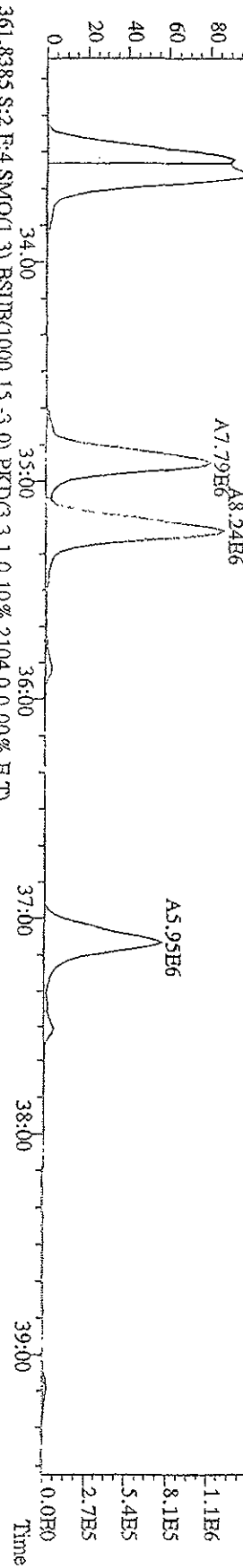
File:151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage 51R Autospec-UltraB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2328,0,0,00%,F,T)



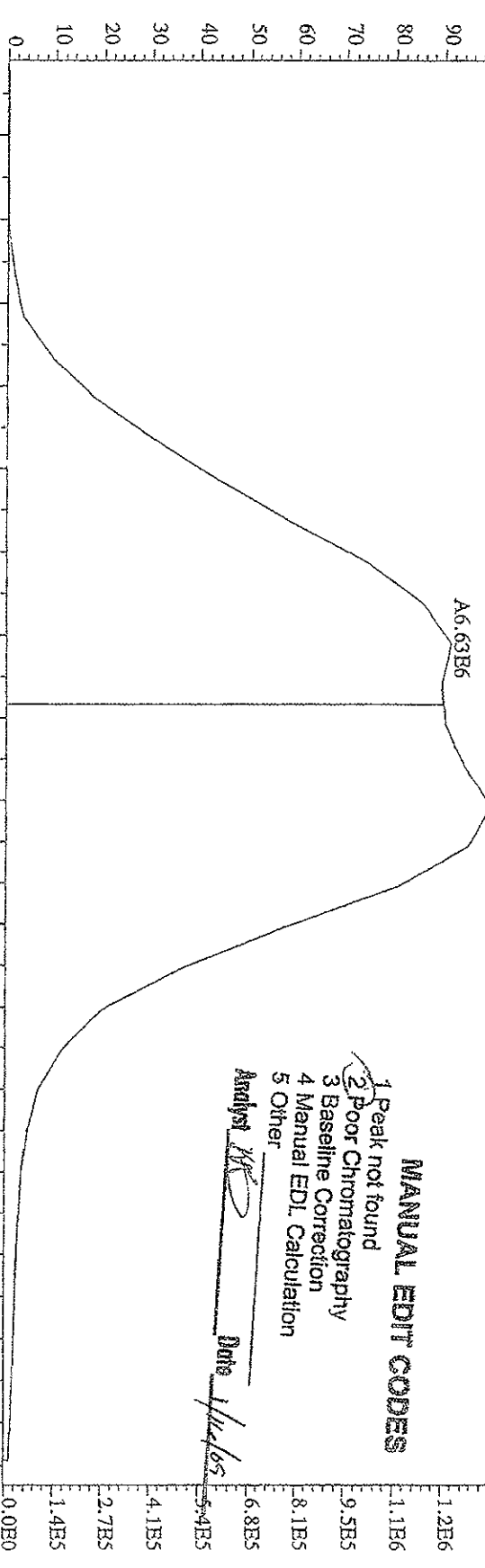
File:15IA09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359.8415 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,1556,0,0,00%,F,T)  
 100% A1.07E7



File:151A09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2520,0,0,00%,F,T)  
 100 % A8.65E6



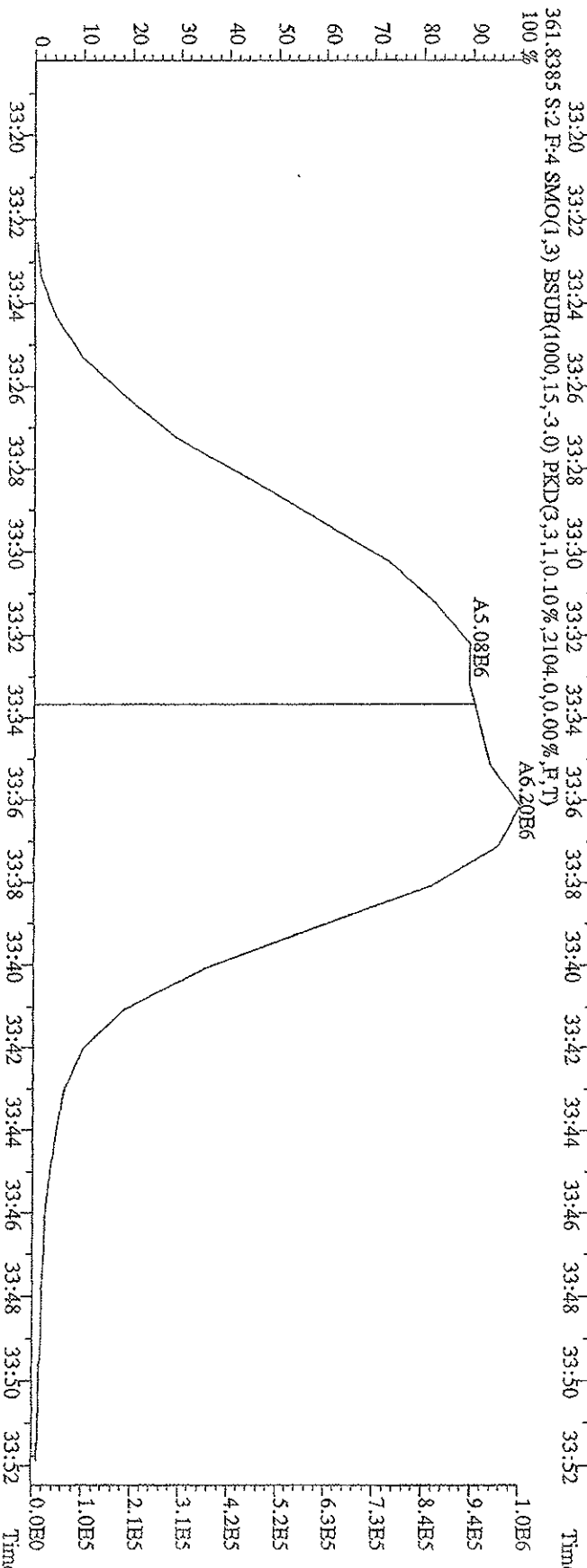
File:15IA09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A .CS2 09DXN015 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2520,0,0.00%,F,T)  
 100 %



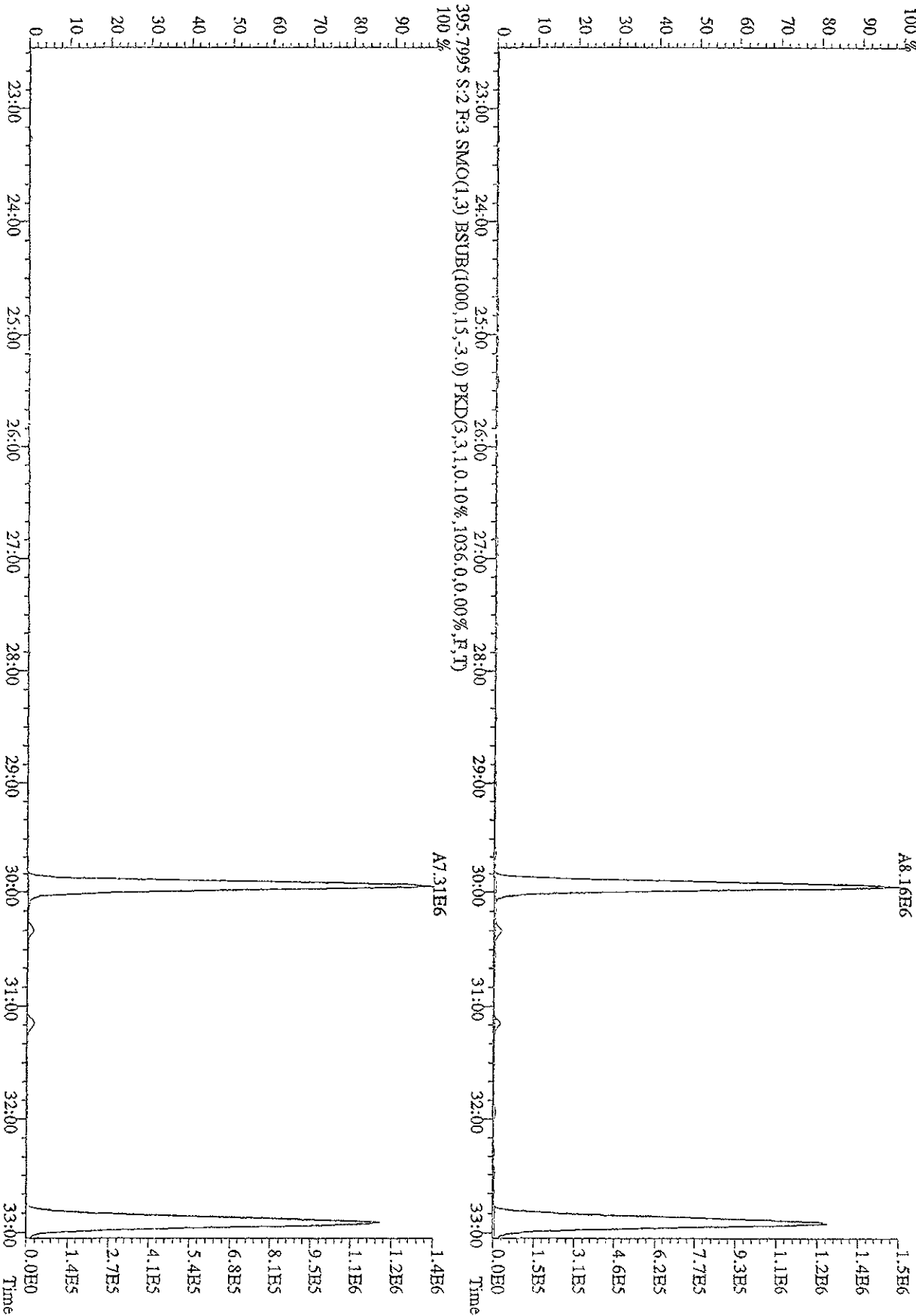
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

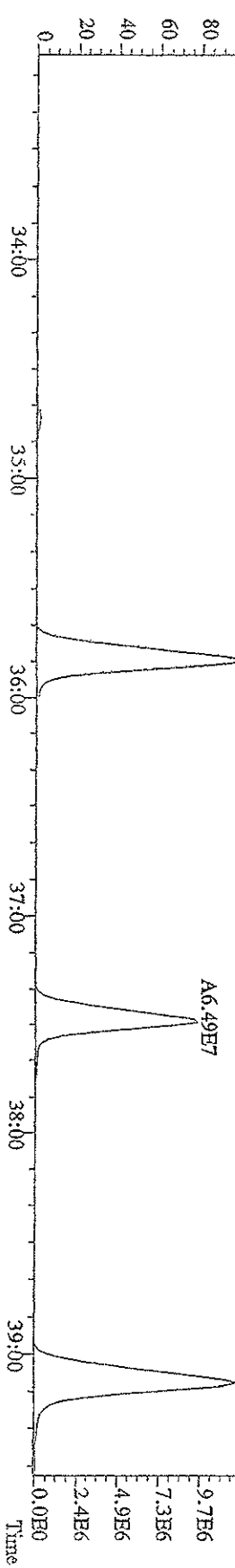
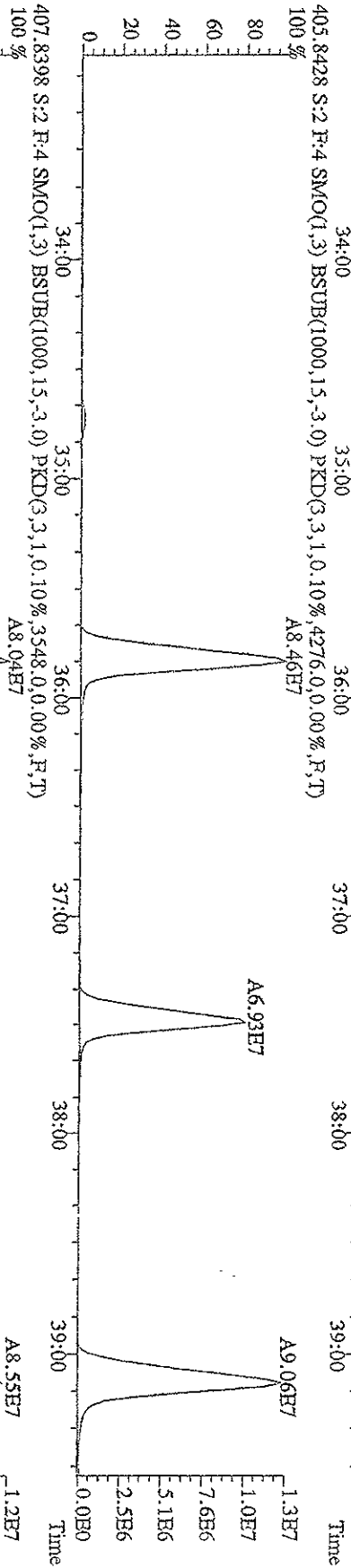
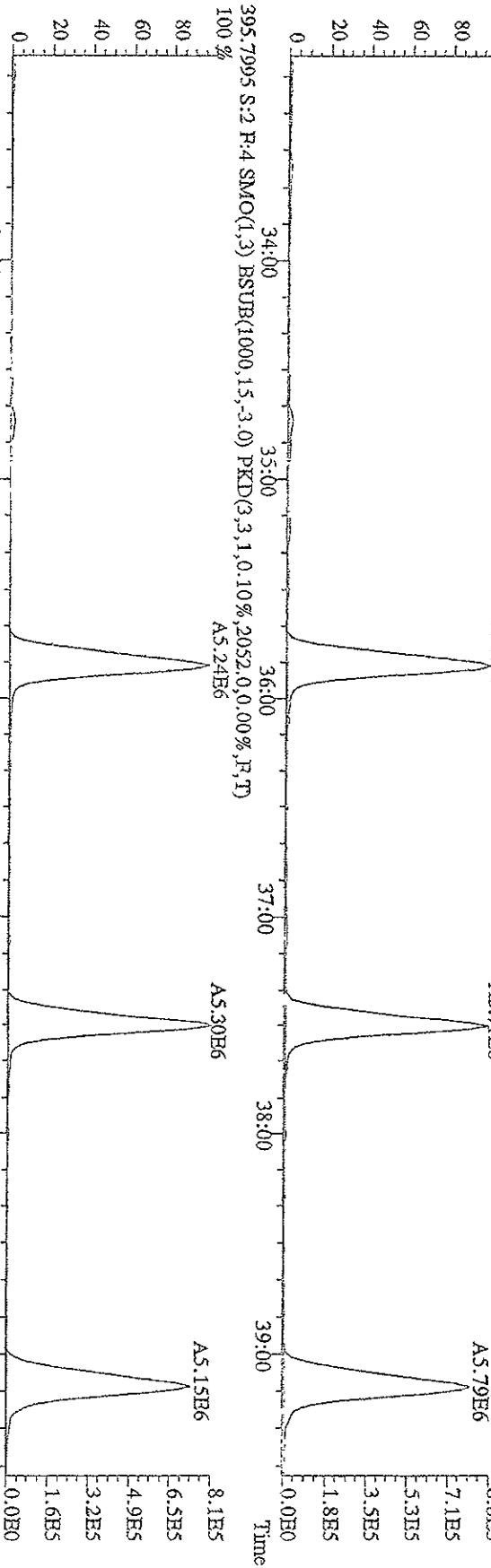
Analyst *WV* Date *1/12/05*



Title: 151A09D9D5 #1-597 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST015A :CS2 09DXN015 Exp: 209DB5  
 393.8025 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4140,0,0,00%,F,T)  
 100%

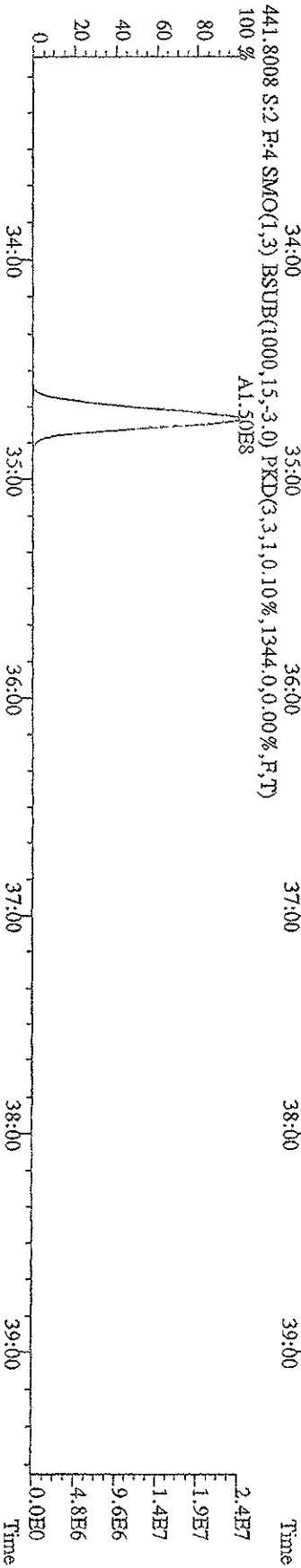
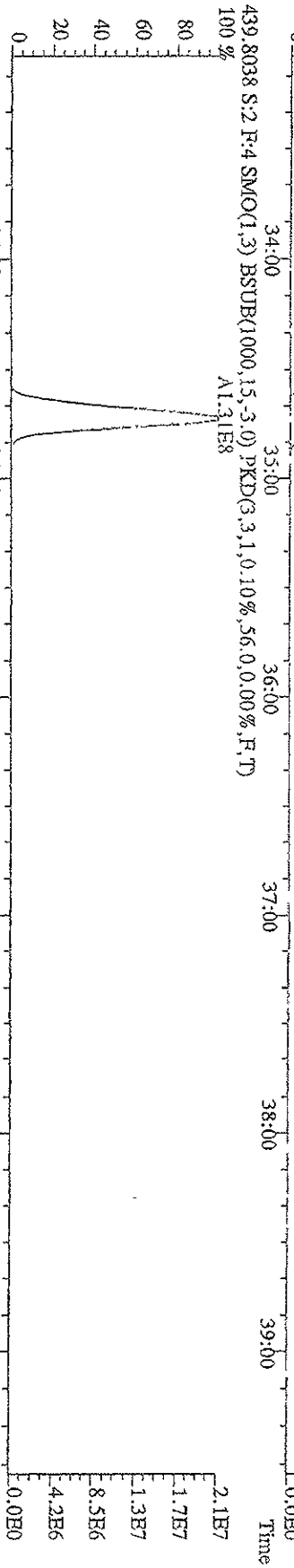
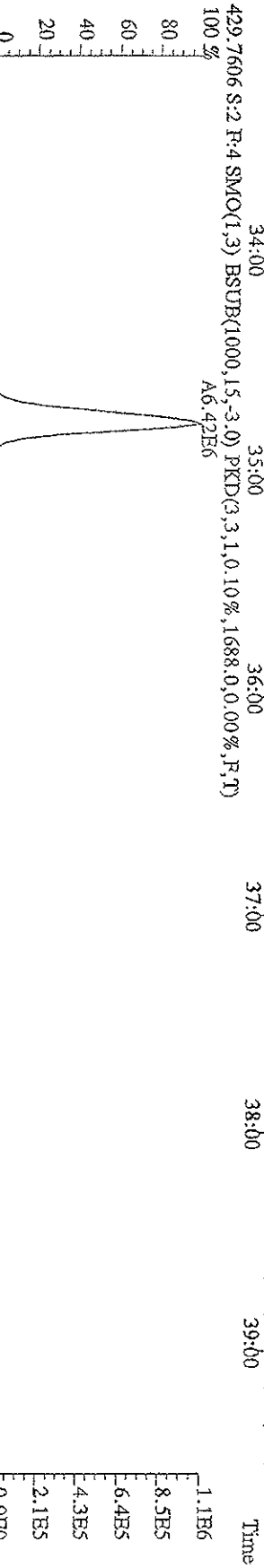
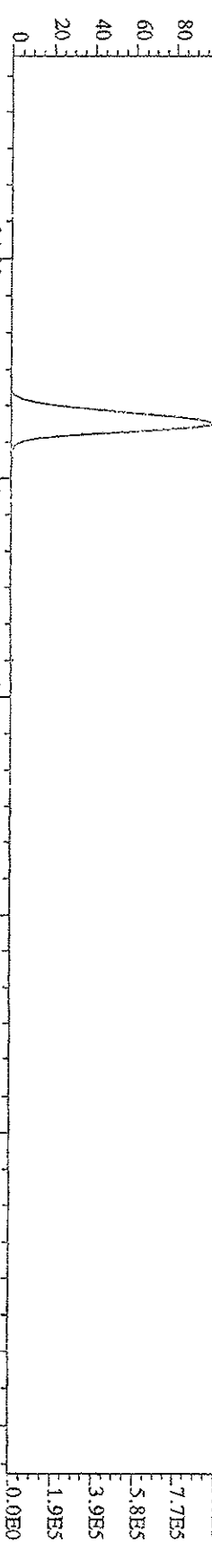


File:151A09DD9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage S1R Autospec-Ultimat  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 395.8025 S:2 R:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4600,0,0.00%,F,T)

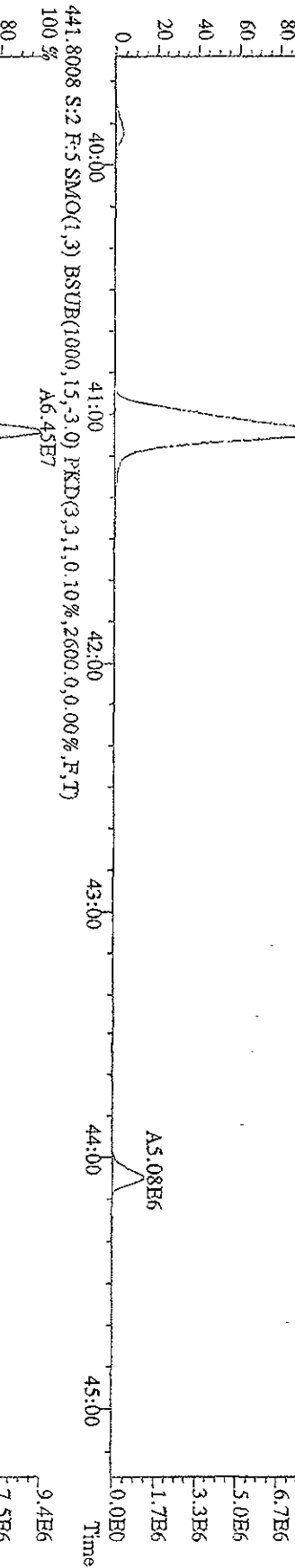
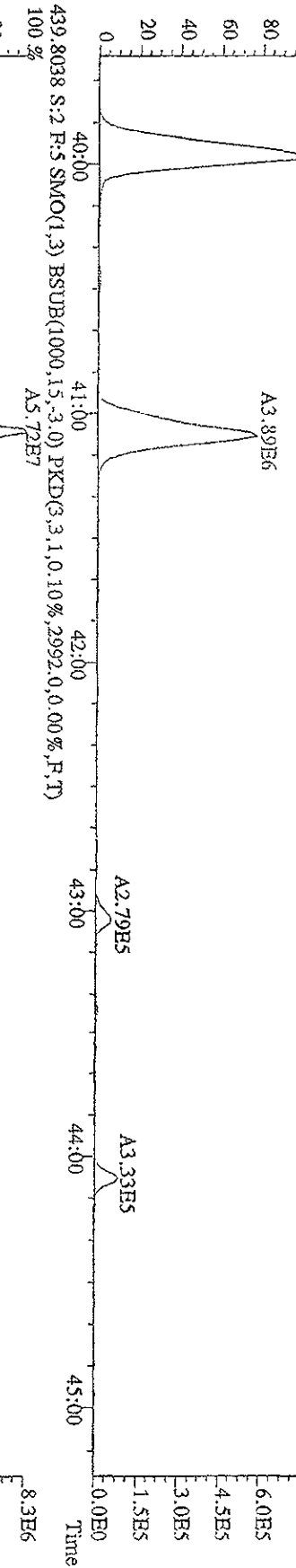
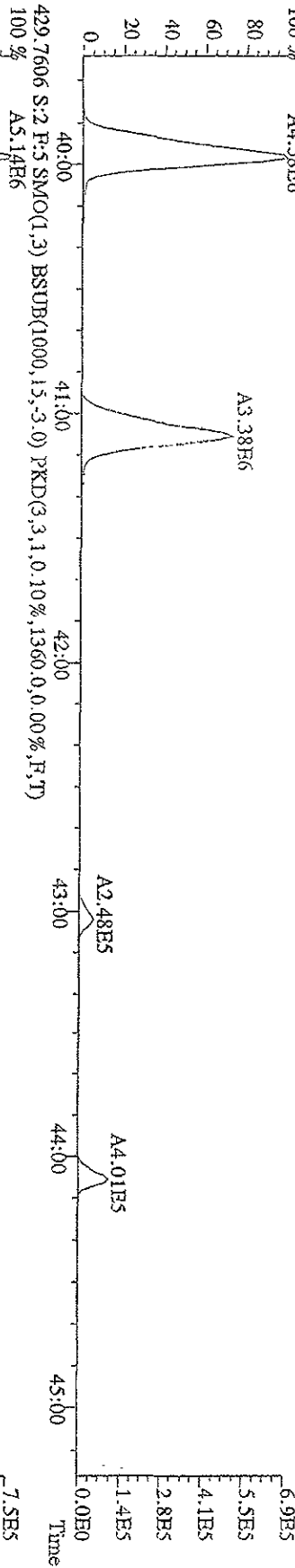




File:151A09DD9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage 51R Autospec-Ultimat  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 427.7635 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1344,0,0,00%,F,T)  
 100% A5.83E6

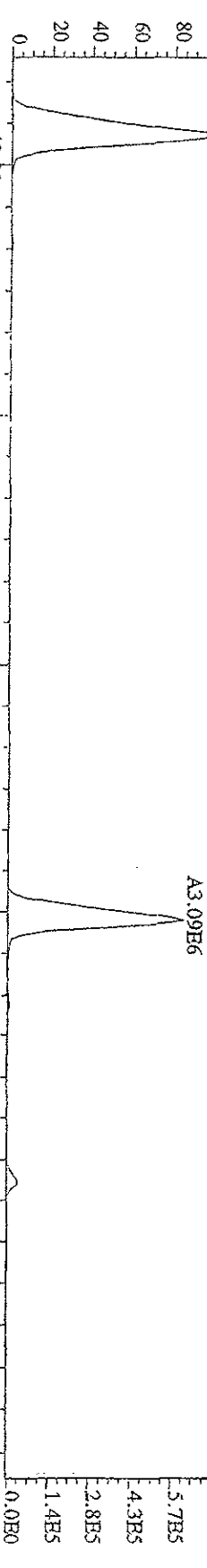


File:151A09DD9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC HI + Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 427.7635 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,592.0,0.00%,F,T)



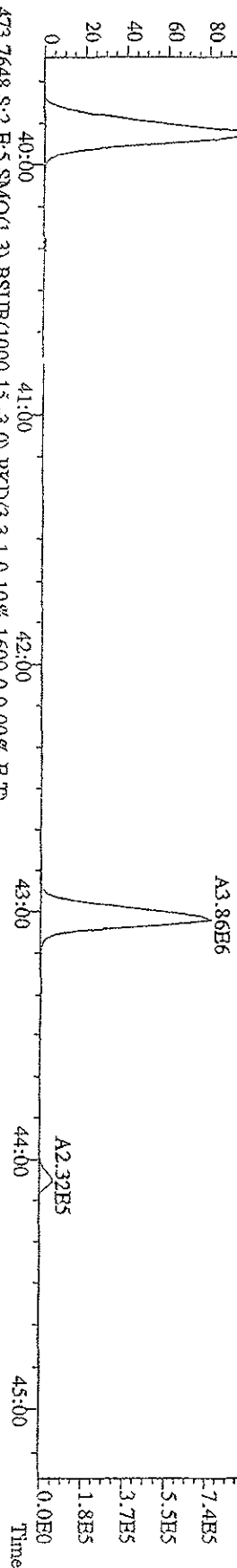
File: 151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EF+ Voltage SIR Autospec-UltimaB

Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5



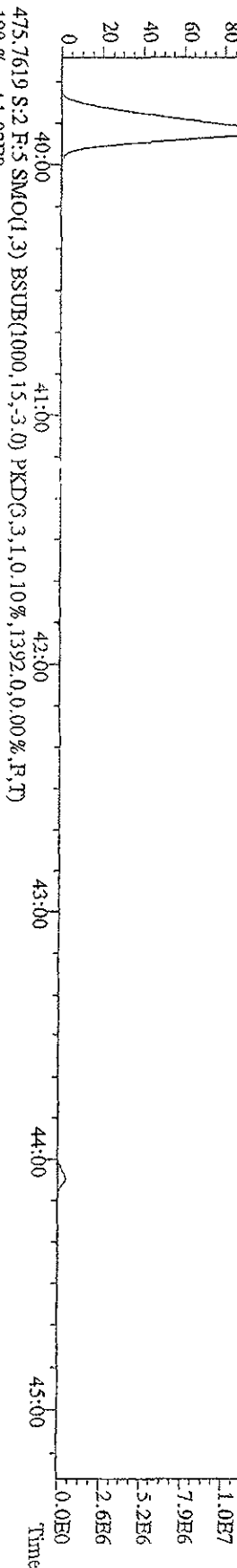
463.7216 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,420,0,0,00%,F,T)

100% A5.63E6



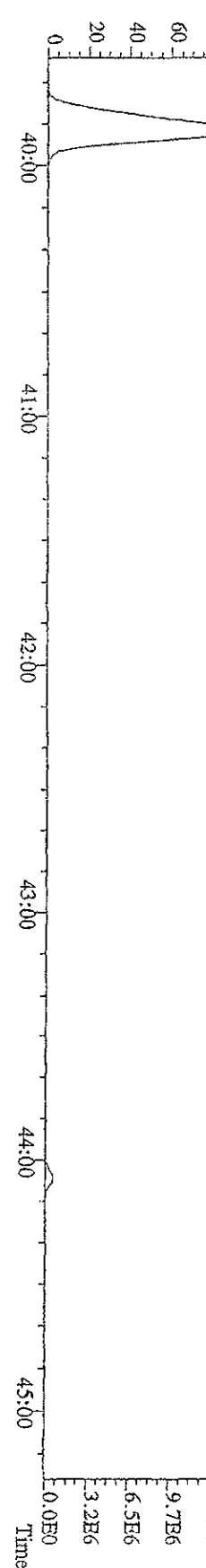
473.7648 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1600,0,0,00%,F,T)

100% A8.25E7

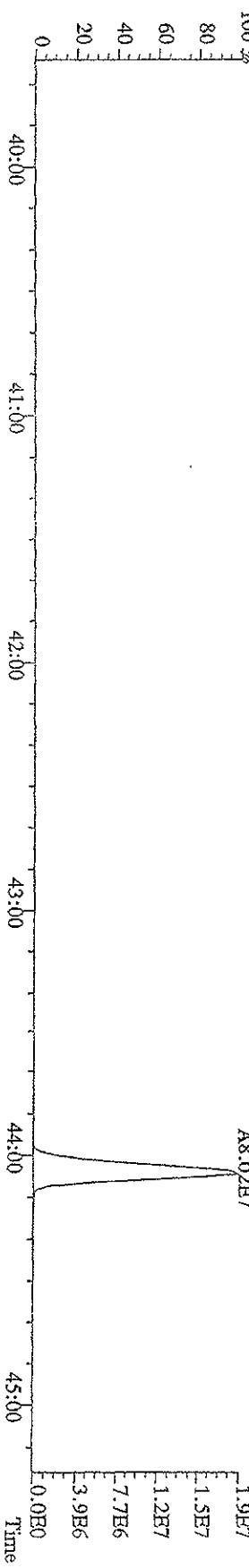
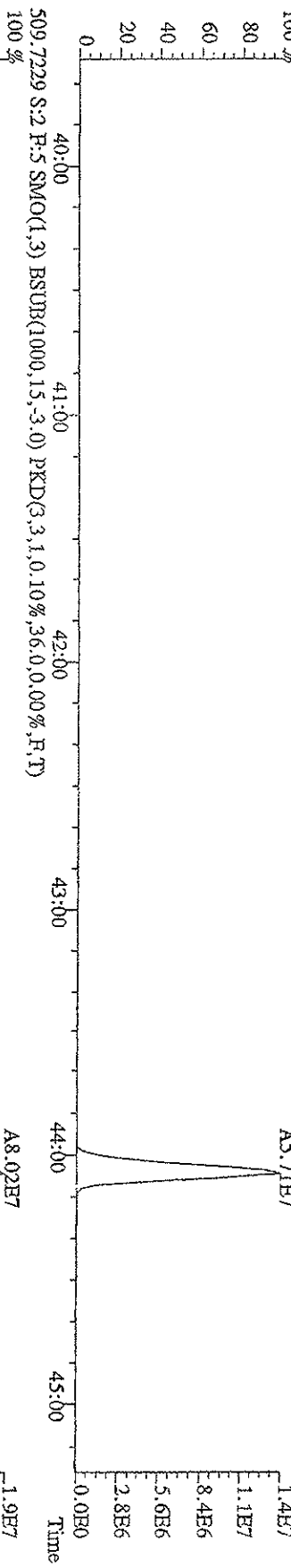
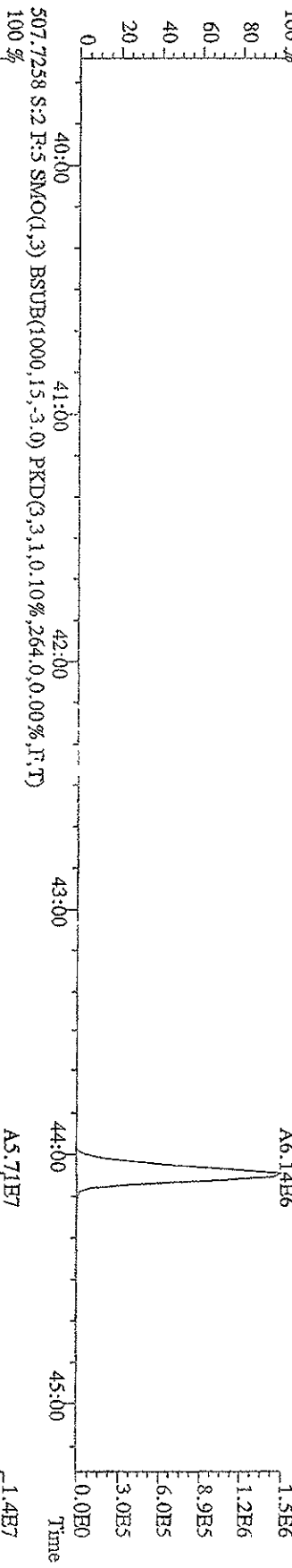
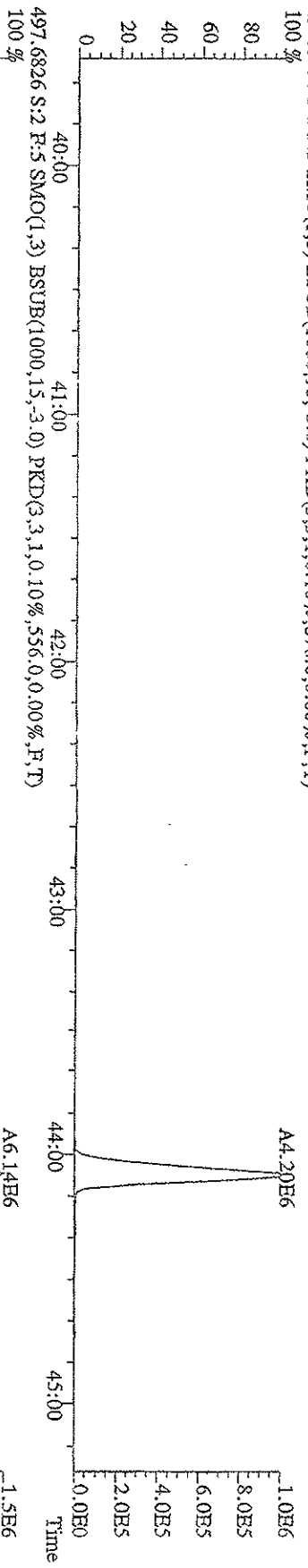


475.7619 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1392,0,0,00%,F,T)

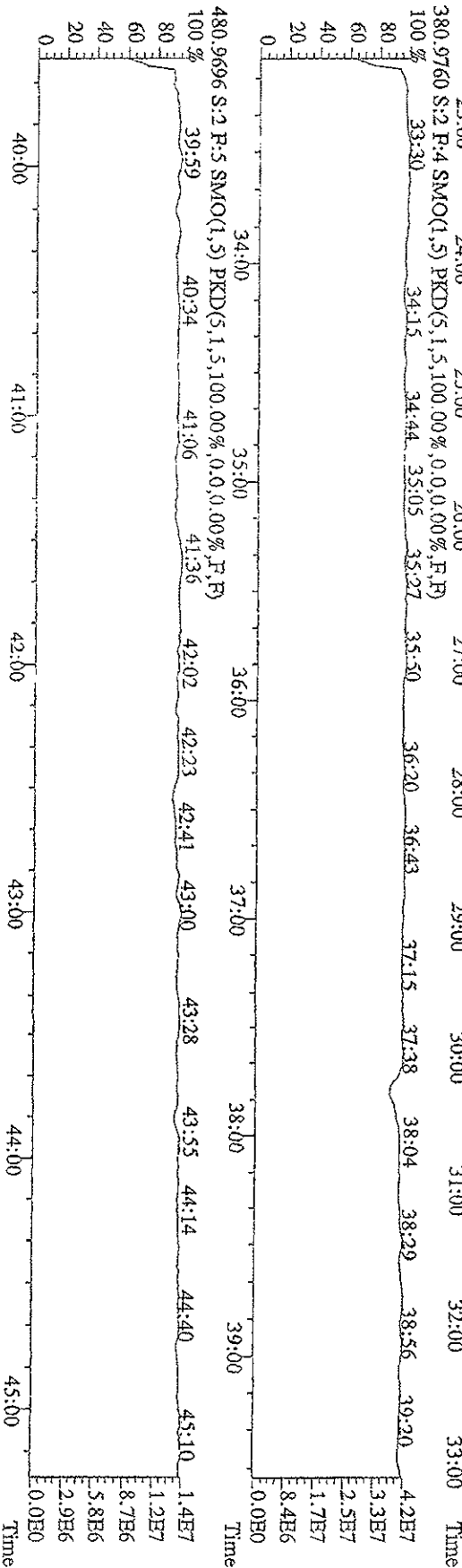
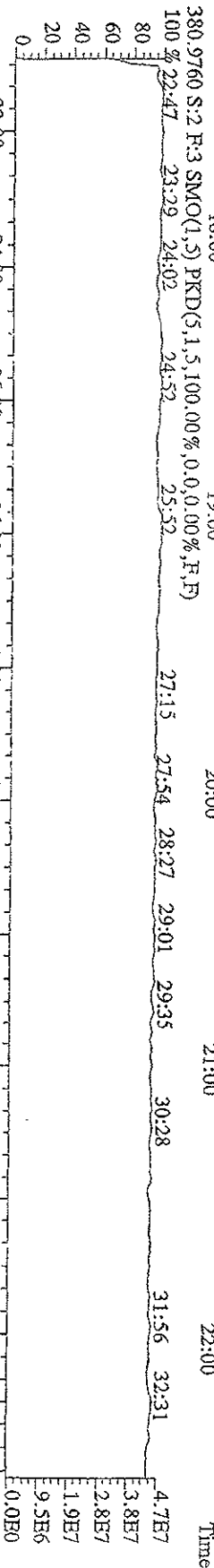
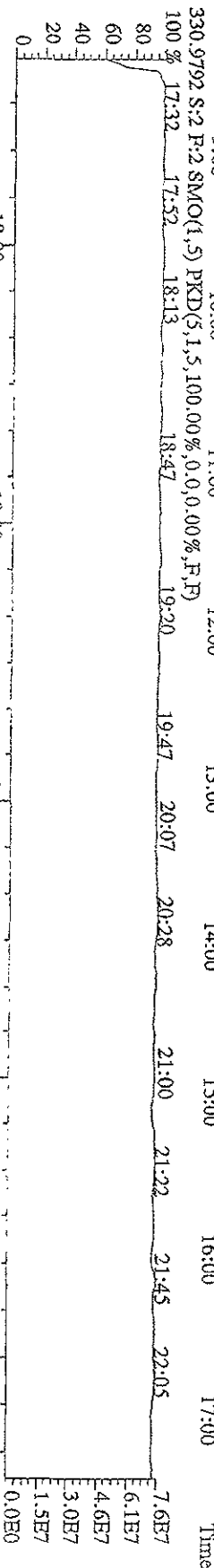
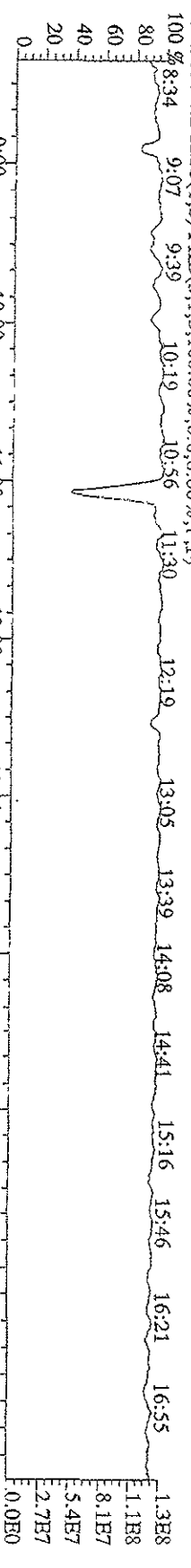
100% A1.03E8



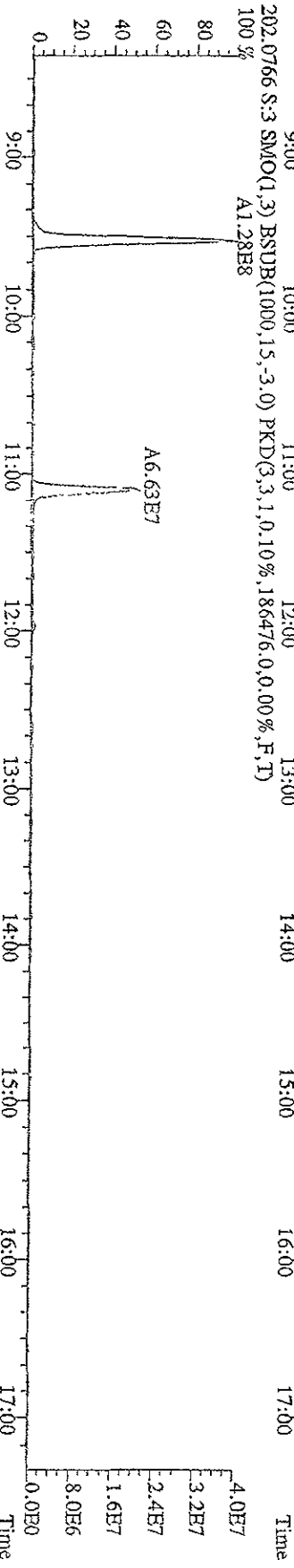
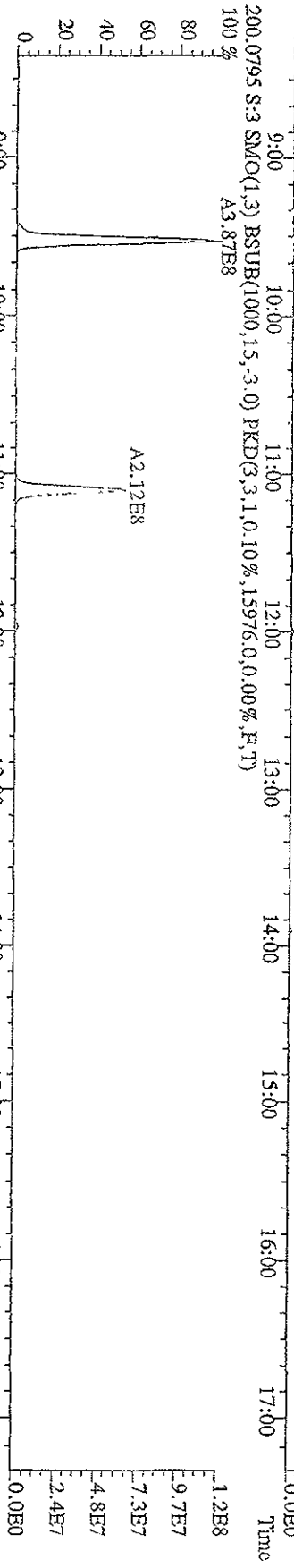
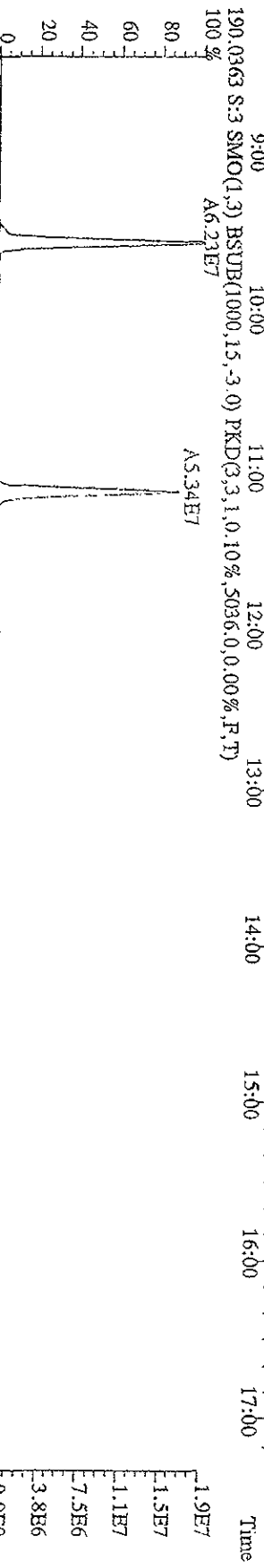
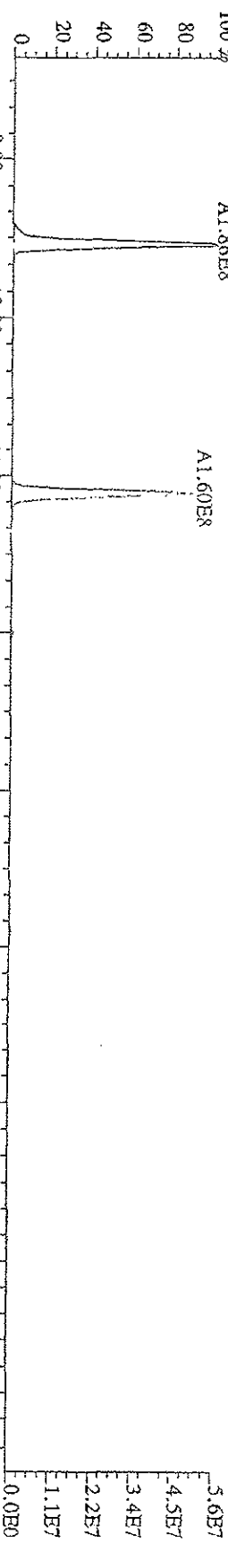
File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-UltimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 495.6856 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,876.0,0.00%,F,T)  
 100 %



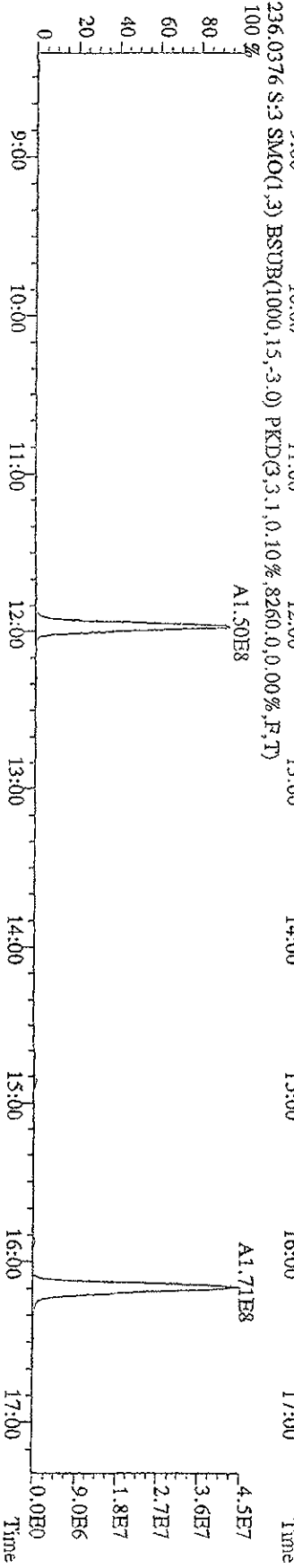
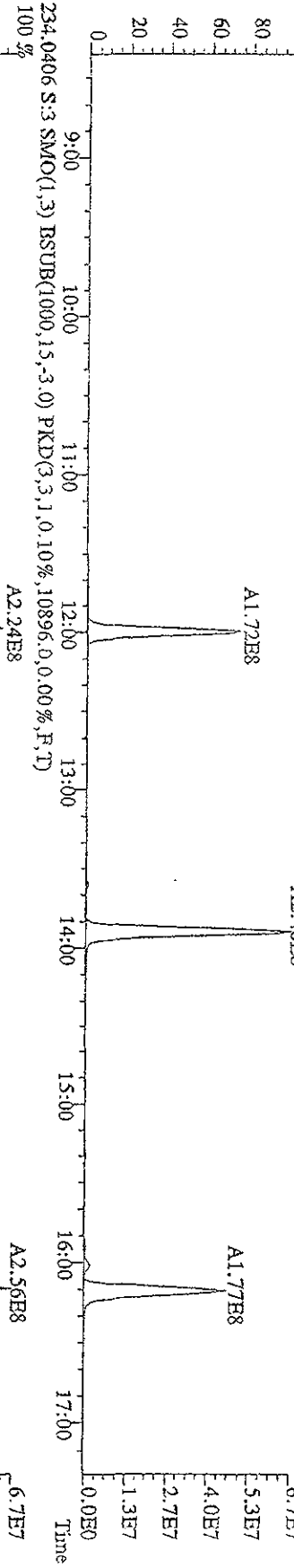
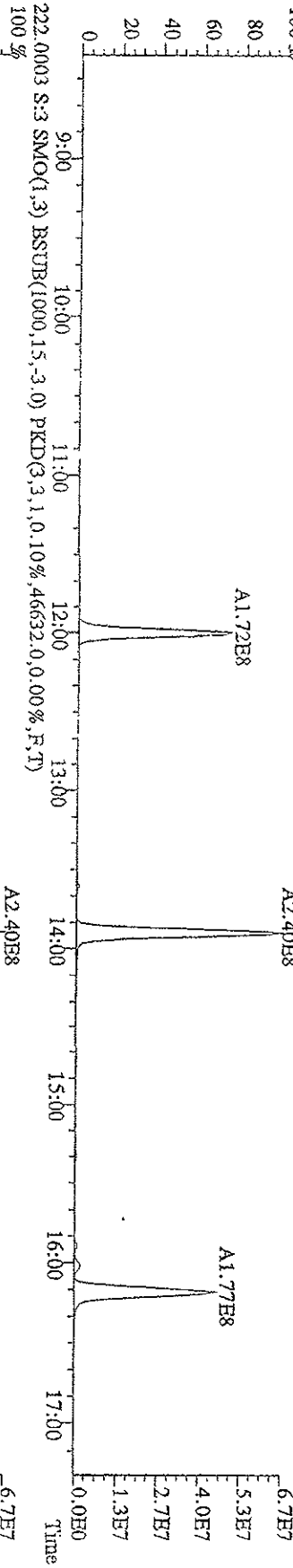
File:15JA09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltraB  
 Sample#2 Text:ST0115A ;CS2 09DXN015 Exp:209DB5



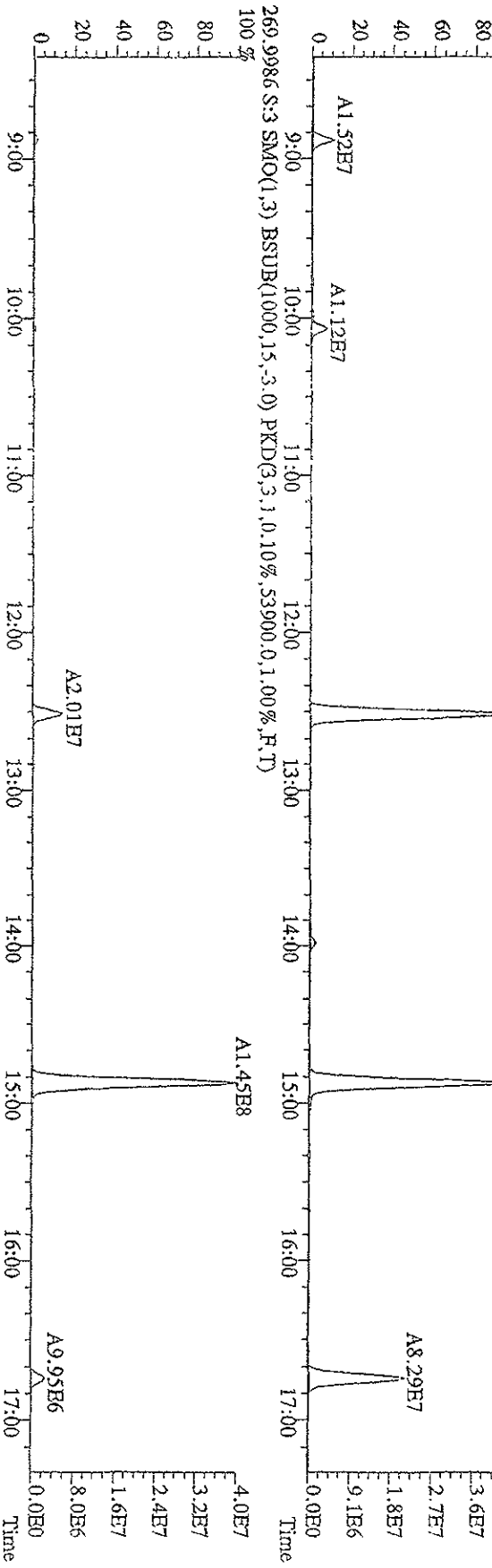
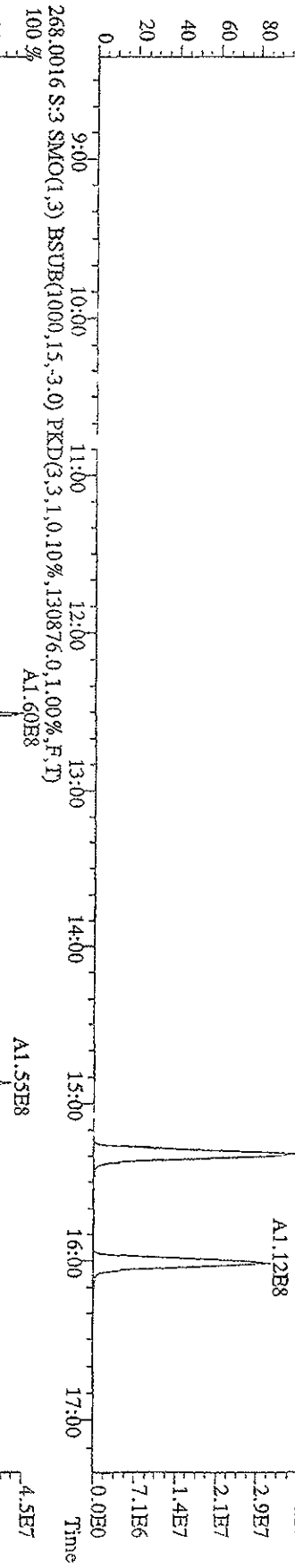
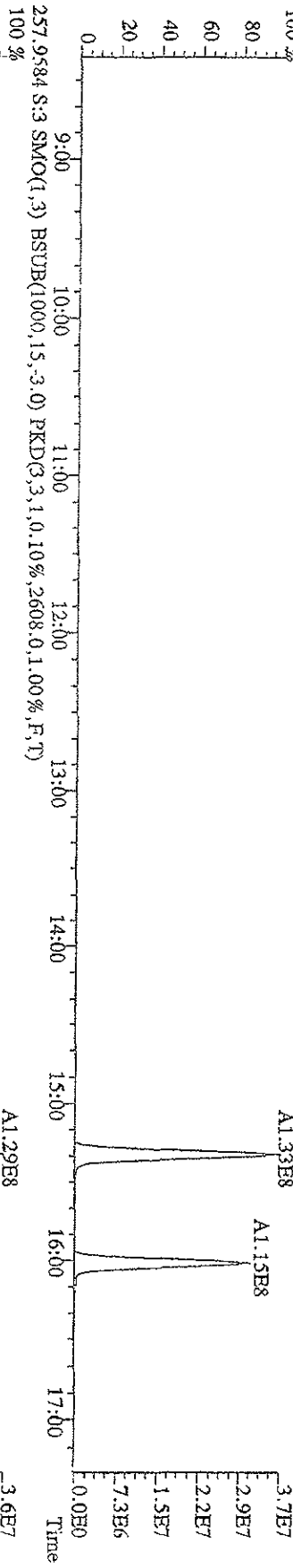
File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 188.0393 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7580,0,0,00%,F,T)  
 100% A1.86E8



File:151A09DD9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 222.0003 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,46632,0,0,00%,F,T)

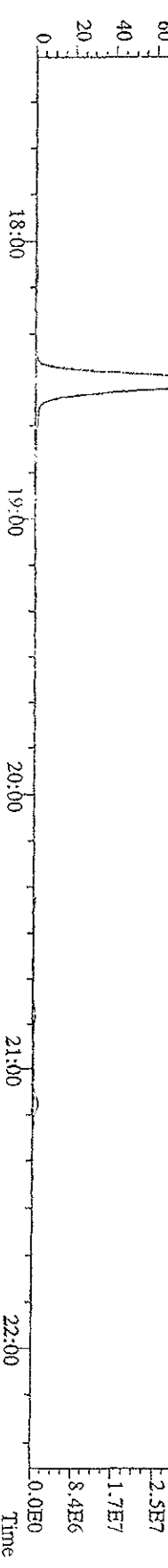
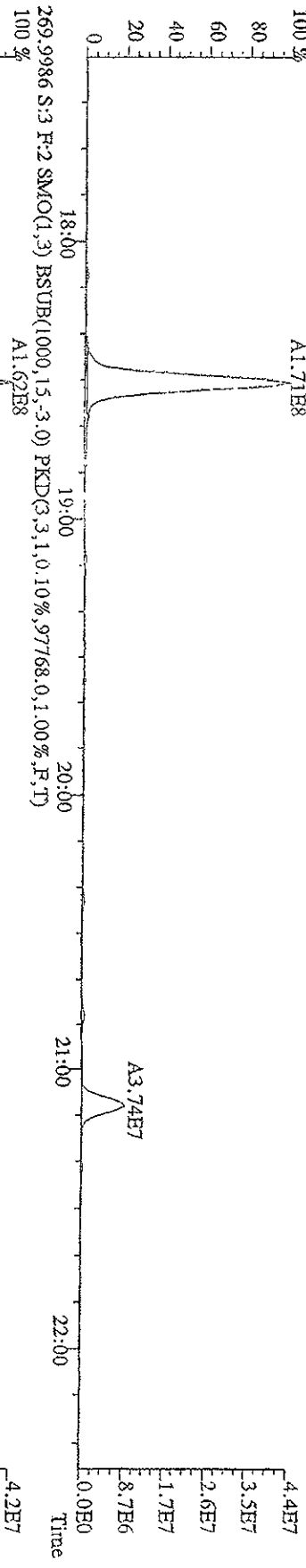
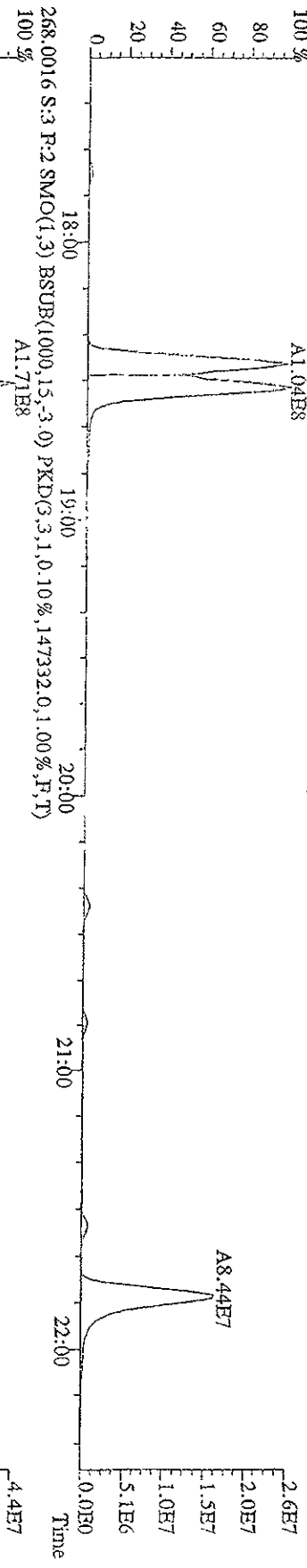
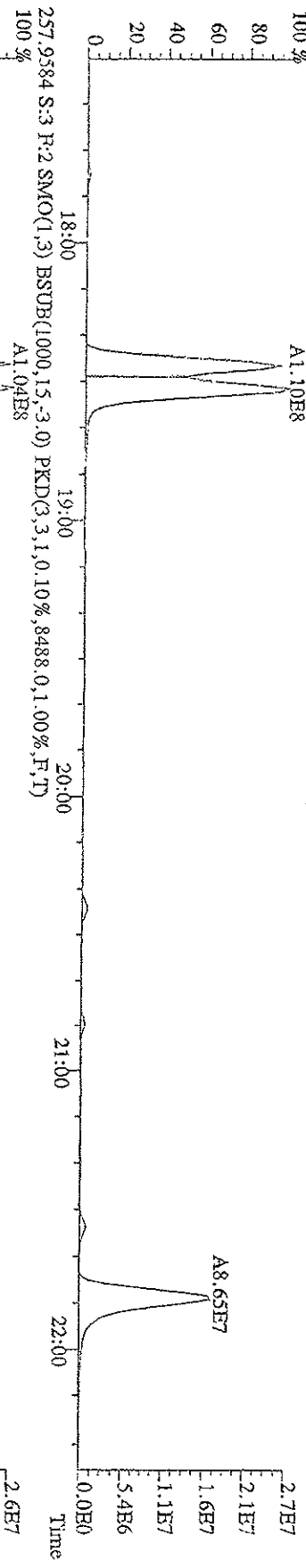


File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 255.9613 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5848.0,1.00%,F,T)

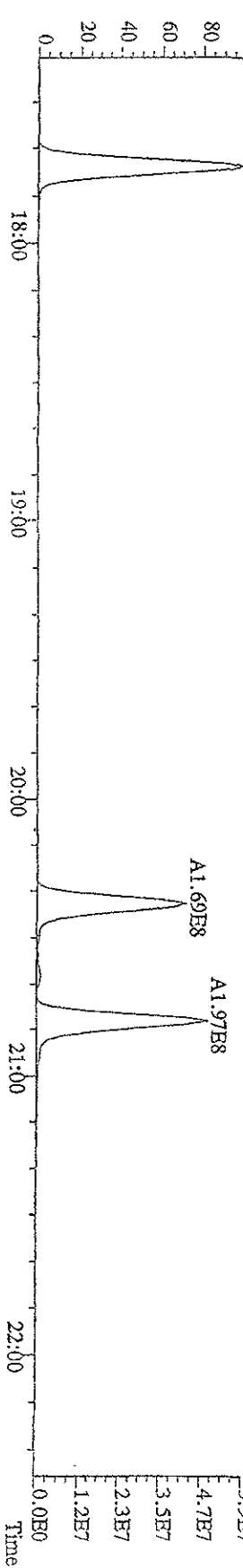
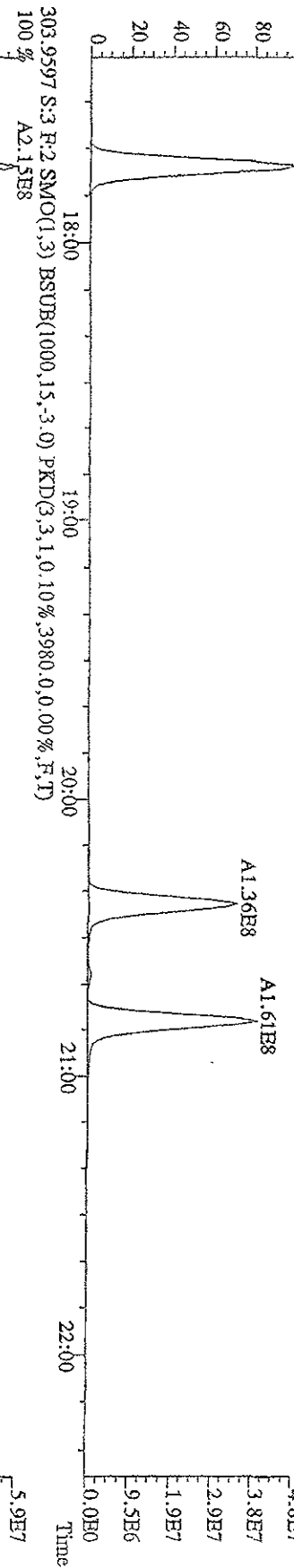
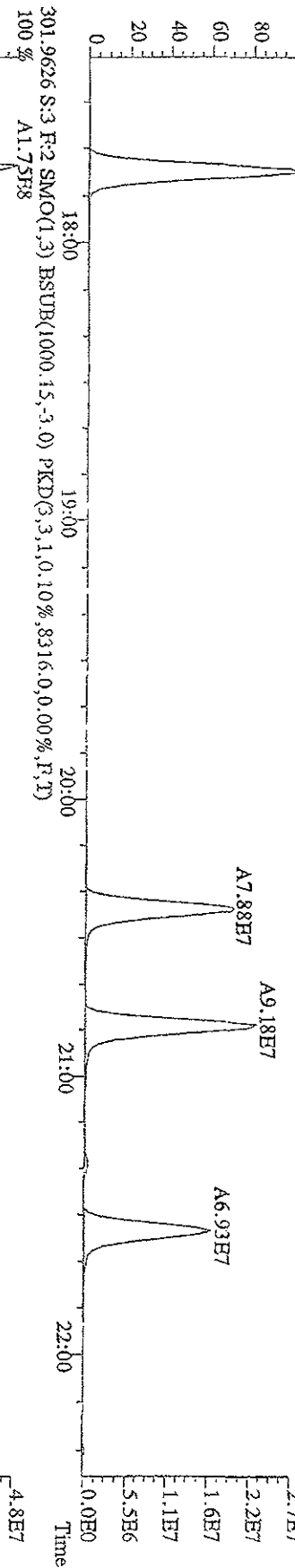
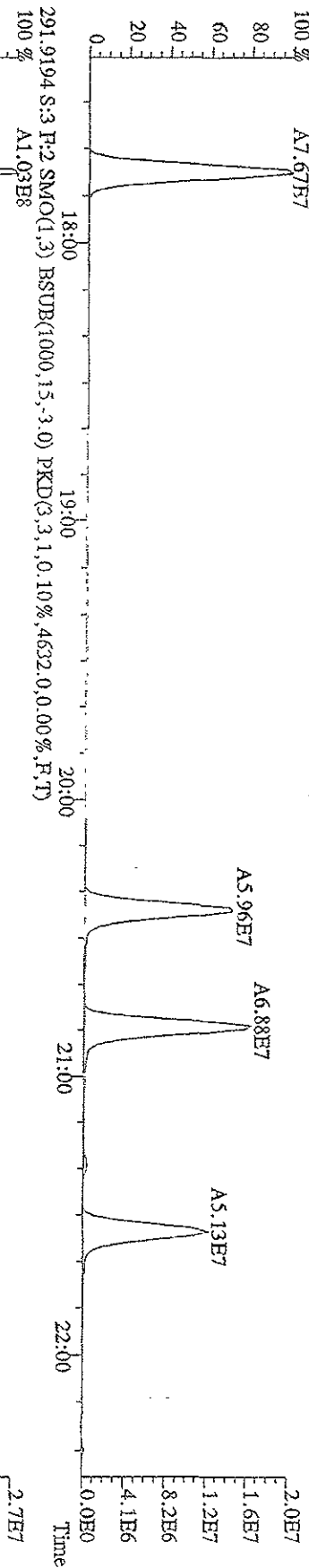




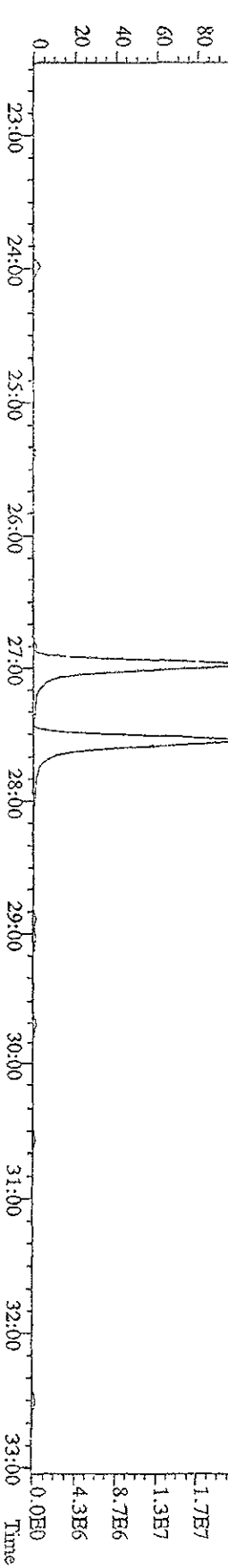
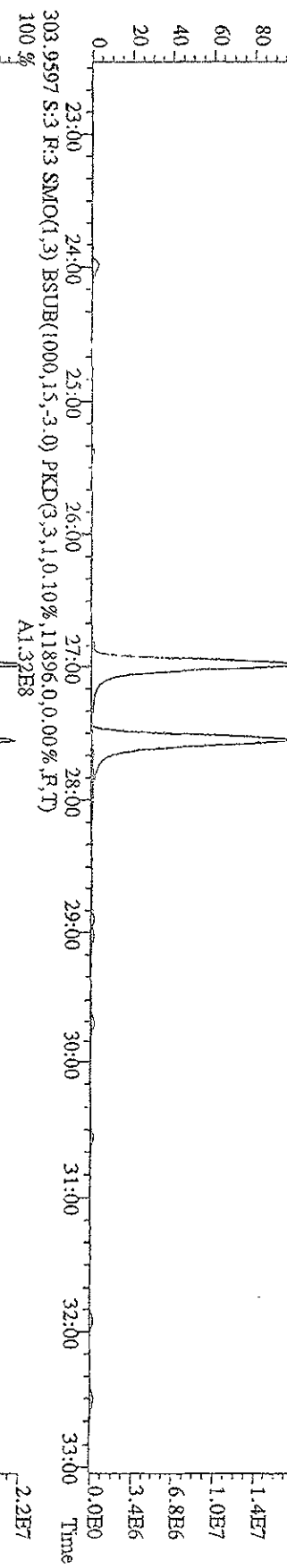
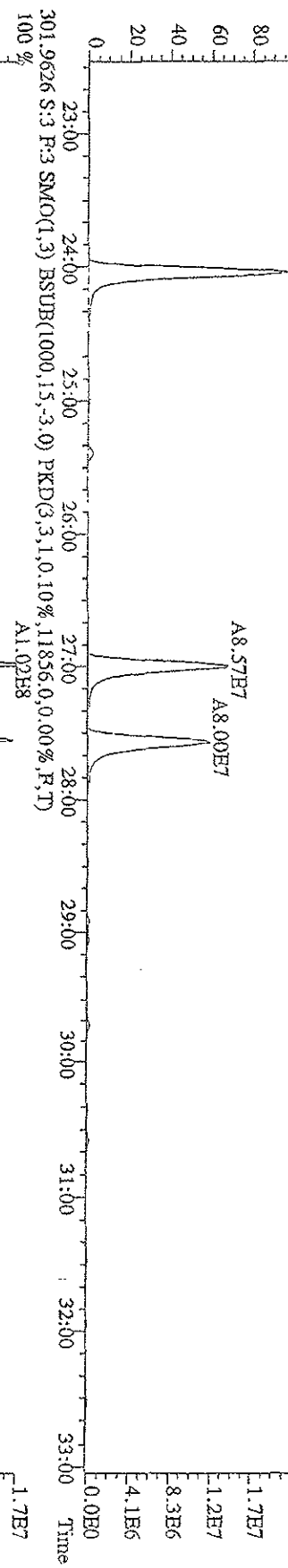
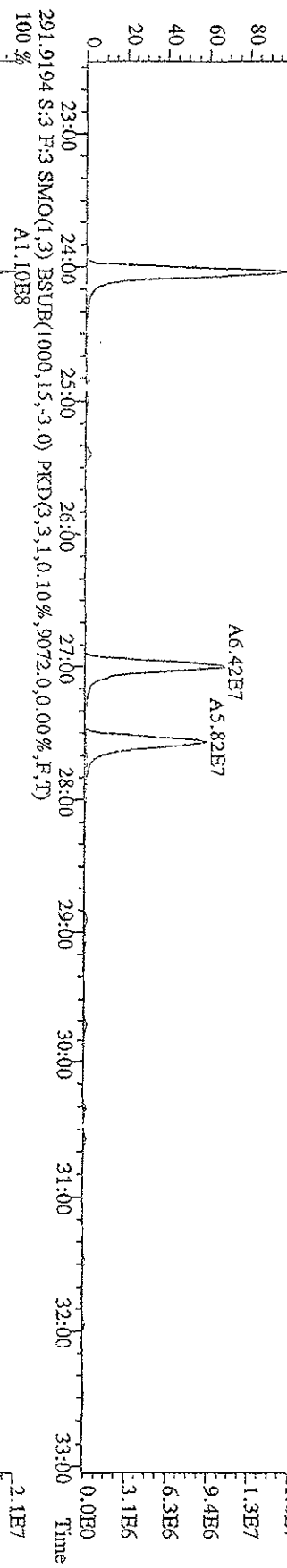
File:151A09DD9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC EH+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 255.9613 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,10996,0.1,0.0%,F,T)  
 100 % A1.10E8



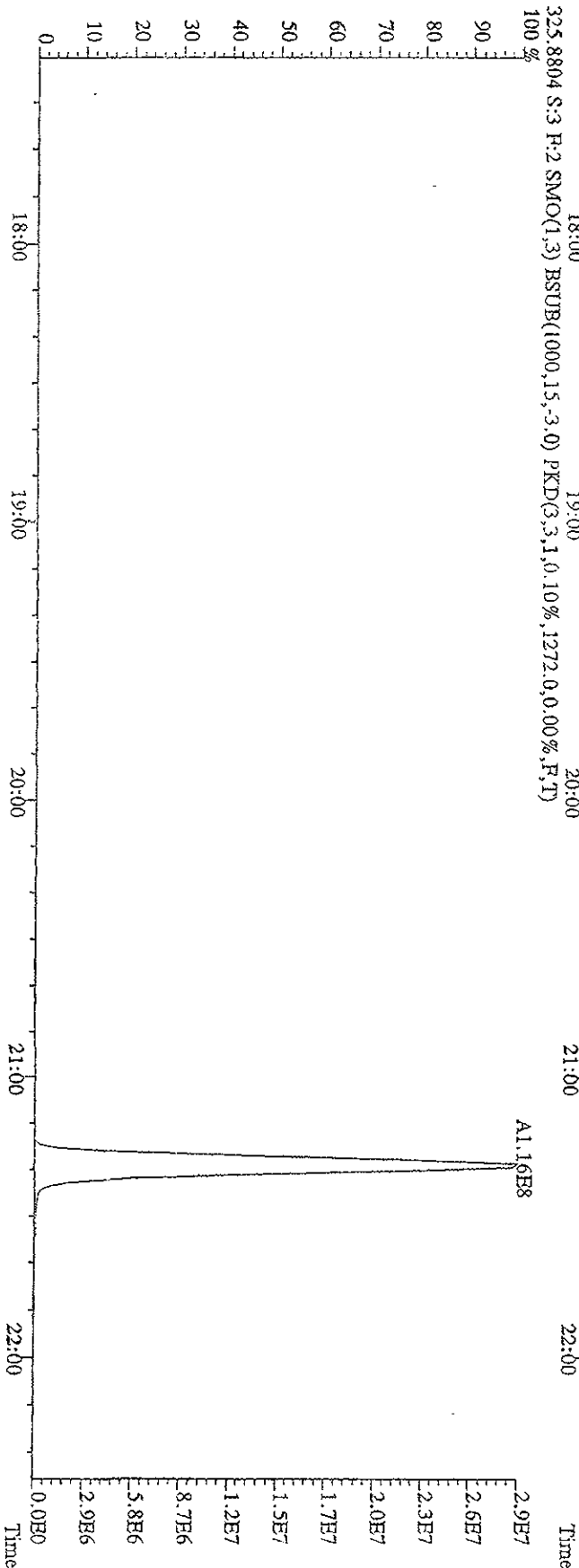
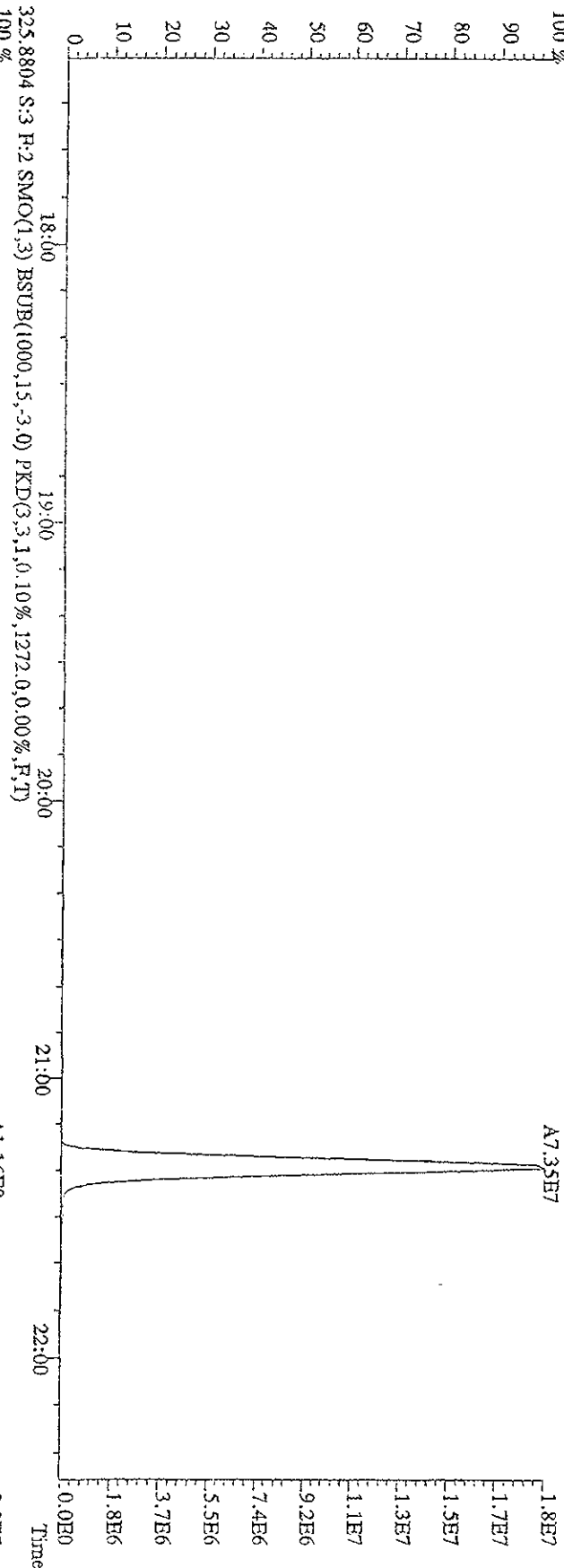
File:151A09DD9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 289.9224 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1500,0,0,00%,F,T)



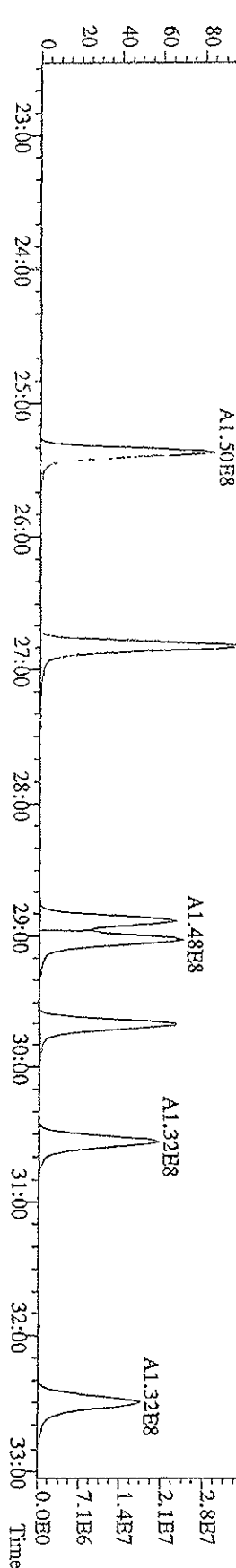
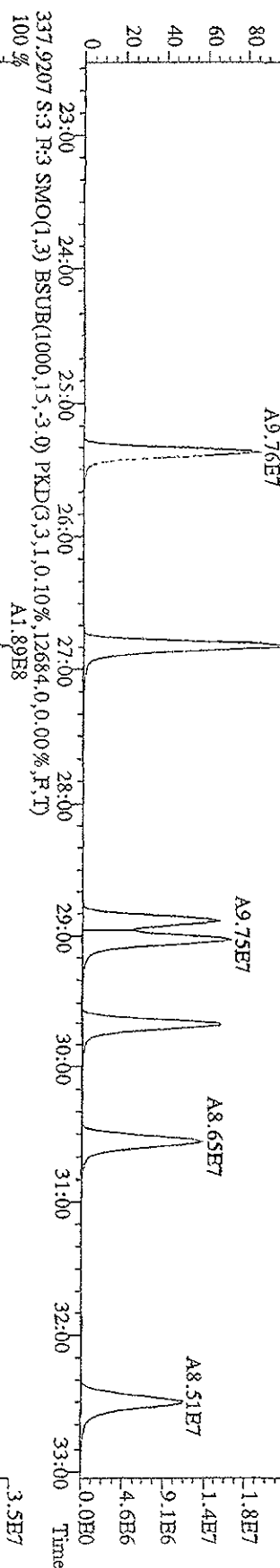
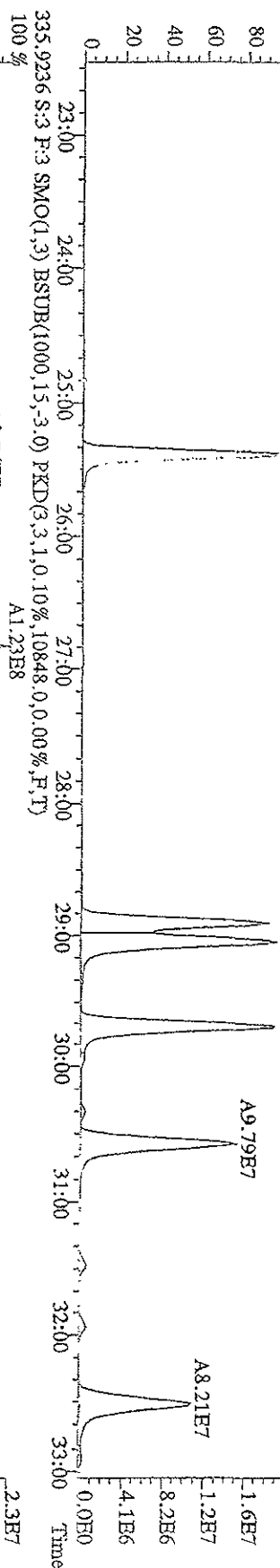
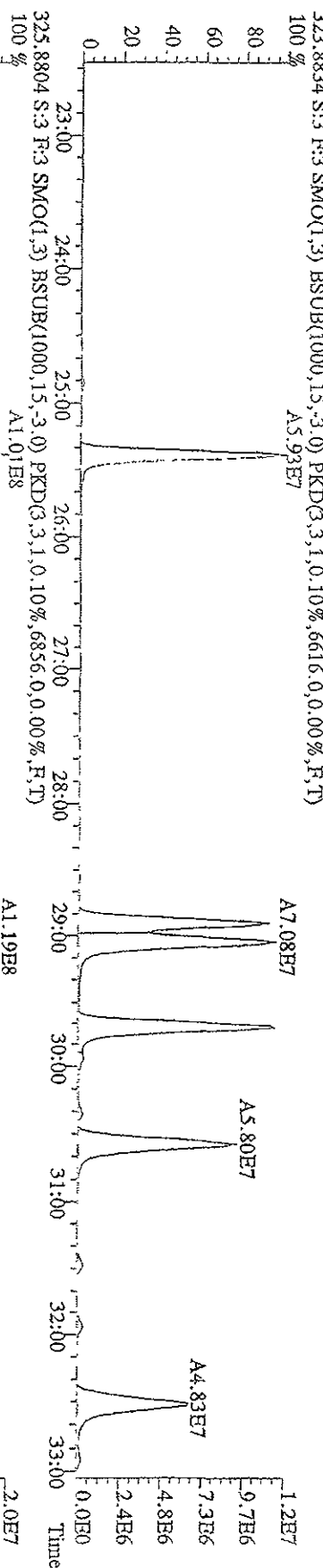
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7528,0,0,00%,F,T)  
 100 % A8.28E7



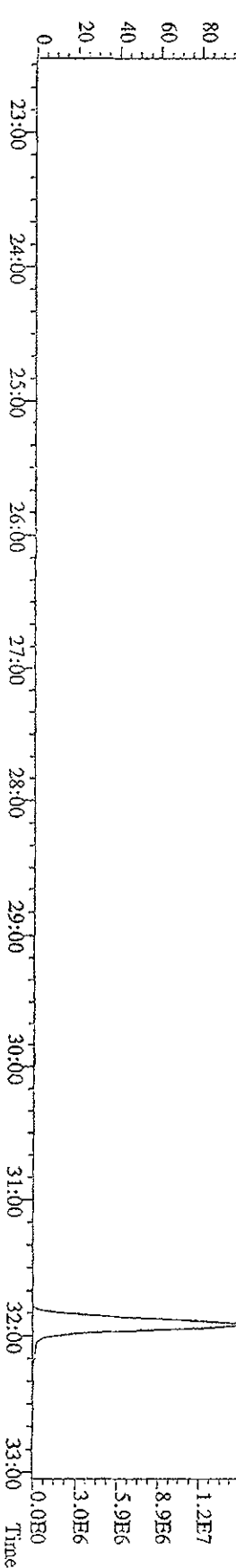
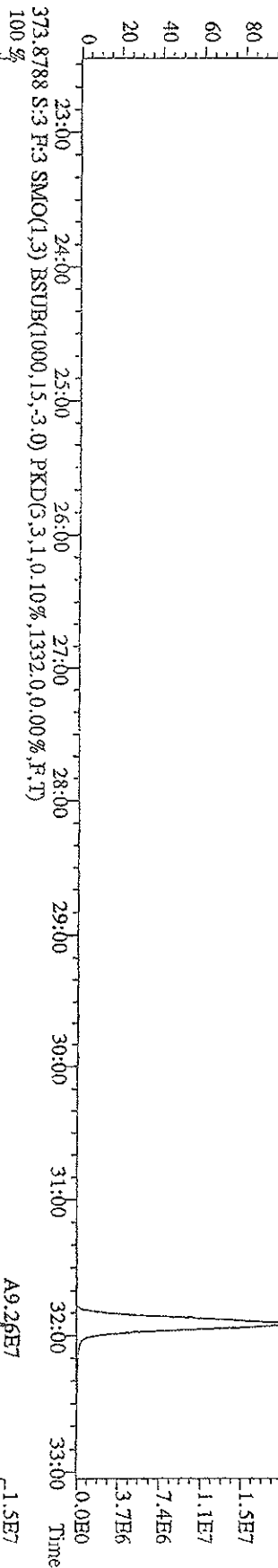
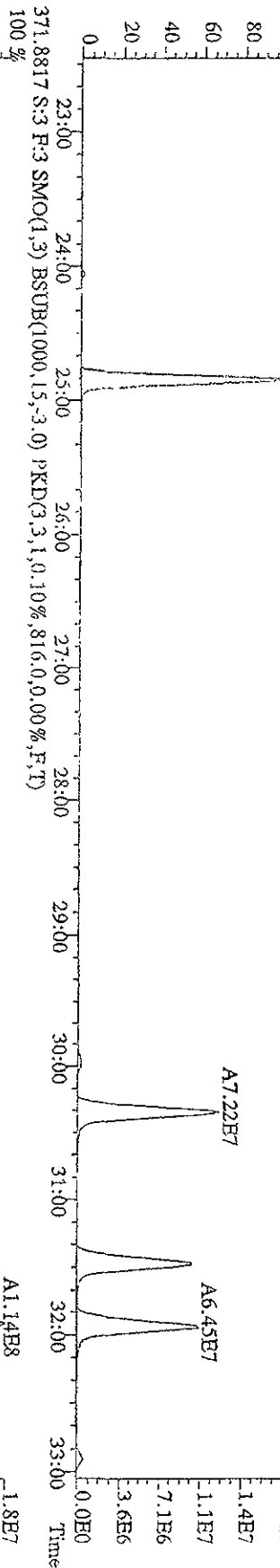
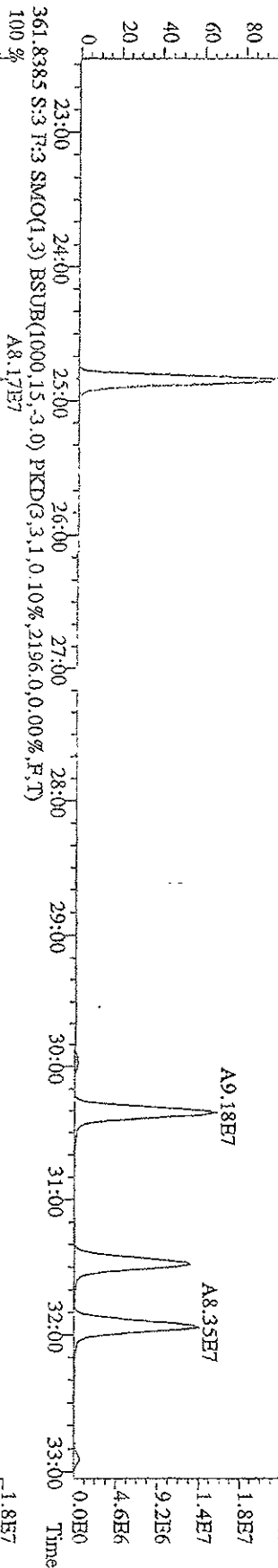
File:15TA09D9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage STR Autospec-Ultimate  
Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
323.8834 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1856,0,0,00%,F,T)



File:15JA09D9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC HI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5



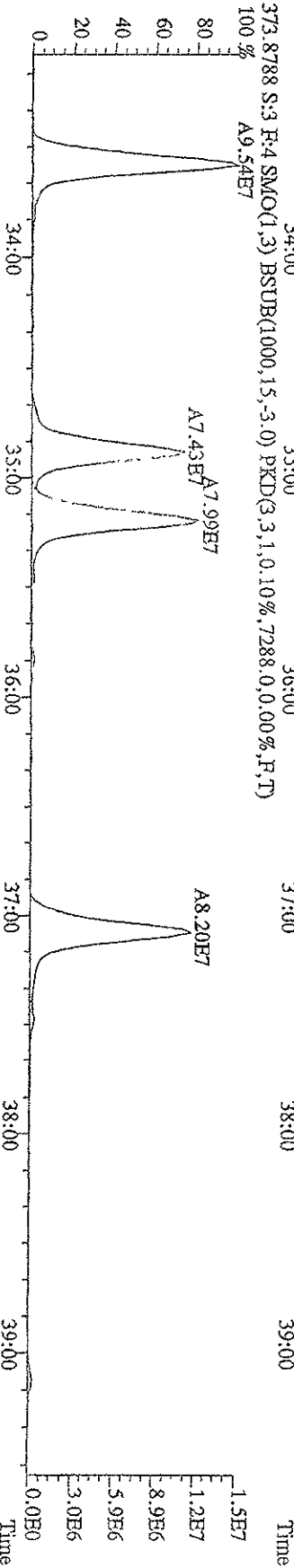
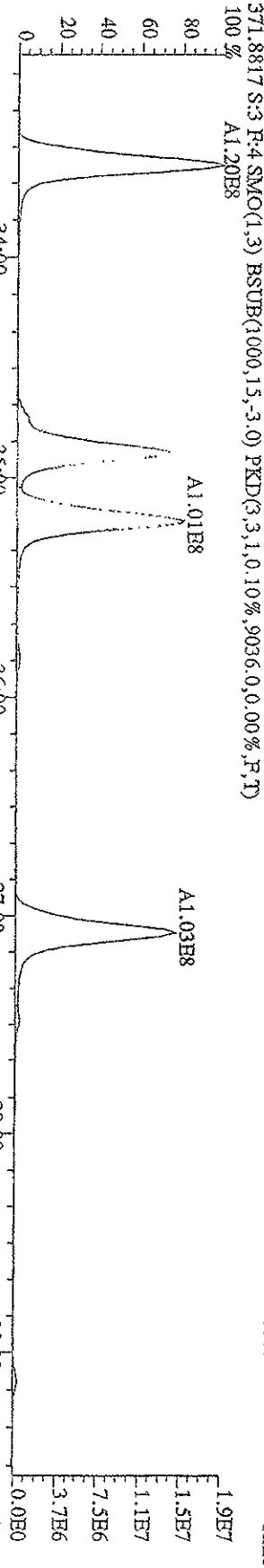
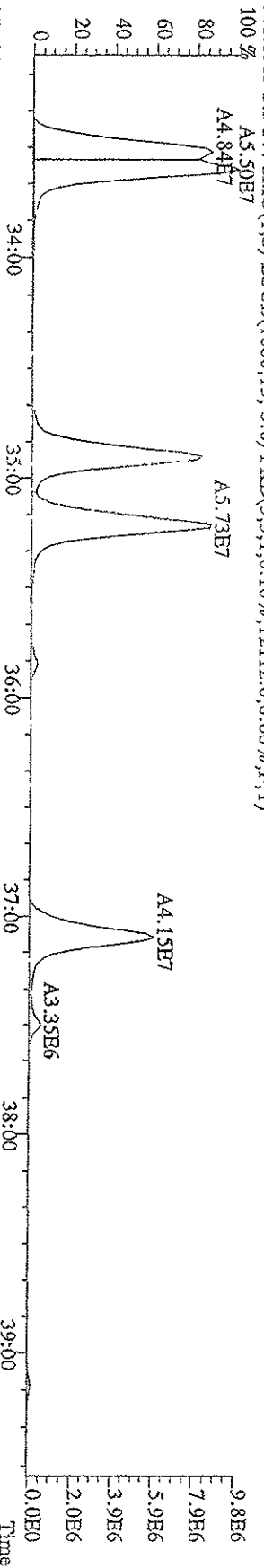
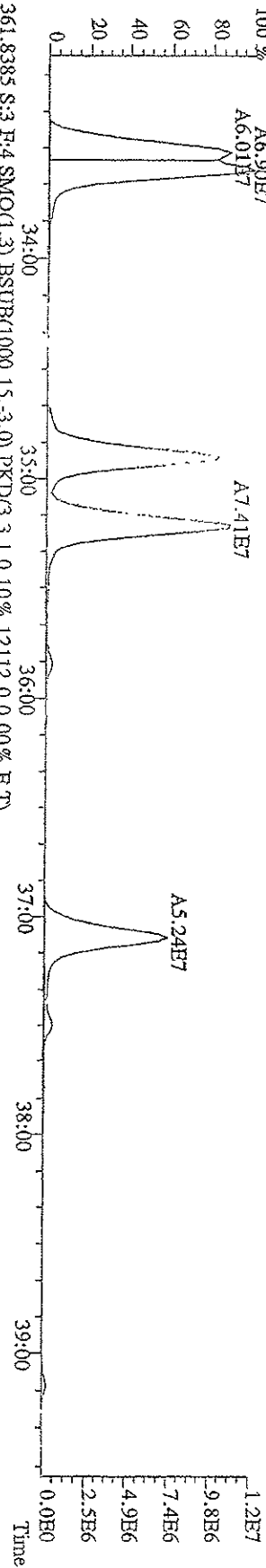
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UtimaB  
 Sample#3 Text: S10115B :CS3 09DXN016 Exp: 209DB5  
 359.8415 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1732,0,0,00%,F,T)  
 100% A1.05E8



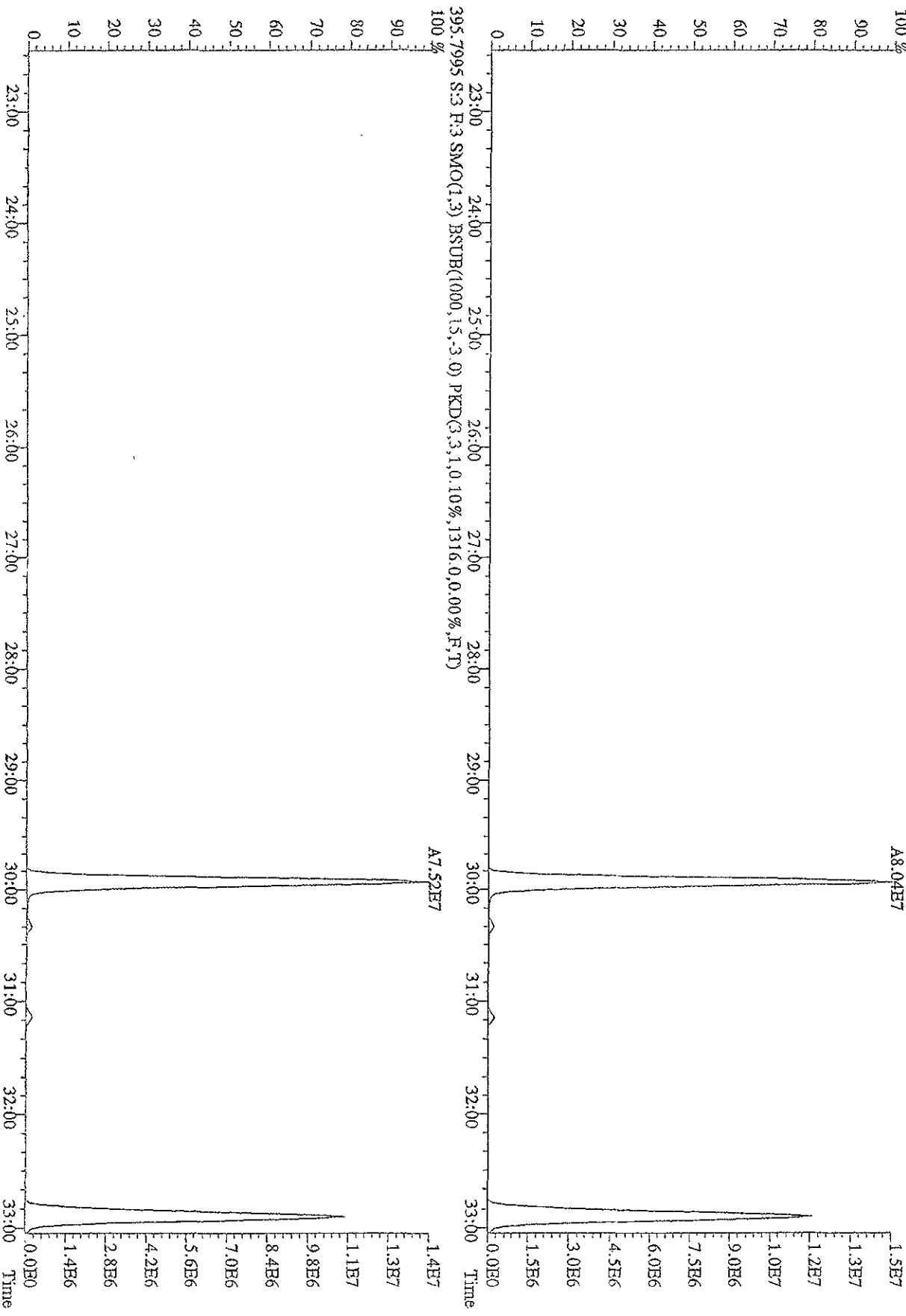
File: 131A09DD9D5 #1-395 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage S1R Autospec-Ultimate

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,11592,0,0,00%,F,T)

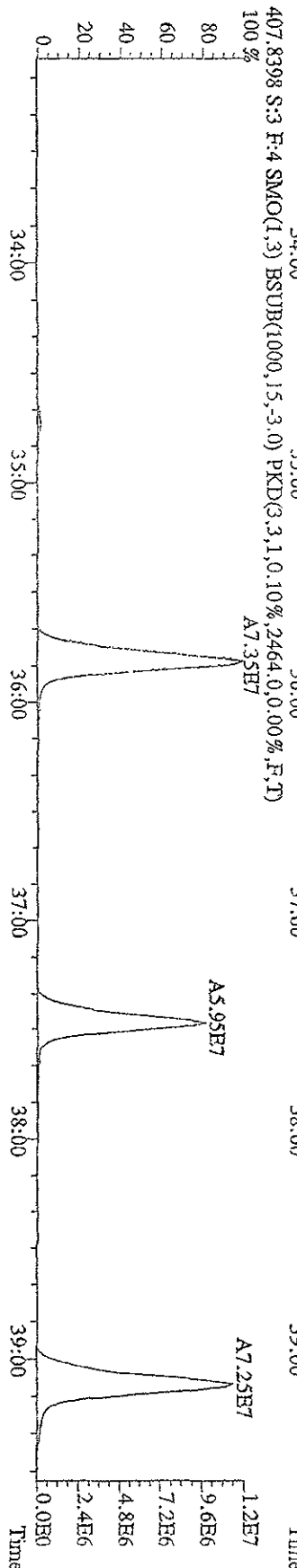
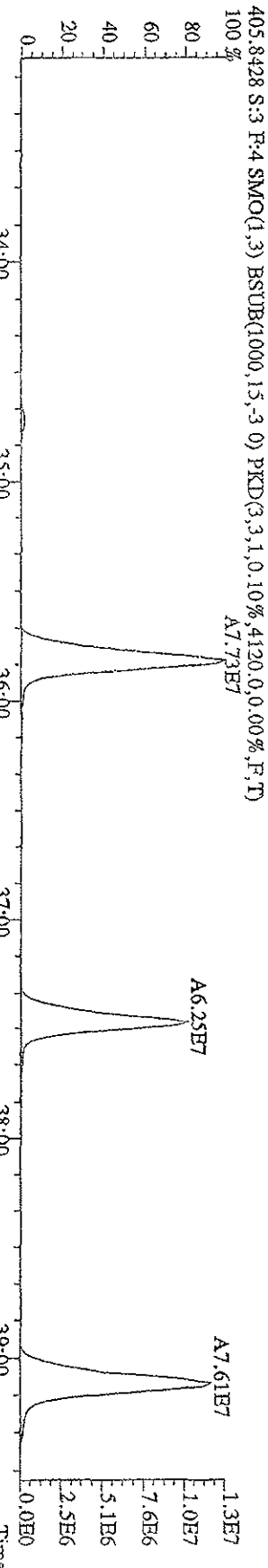
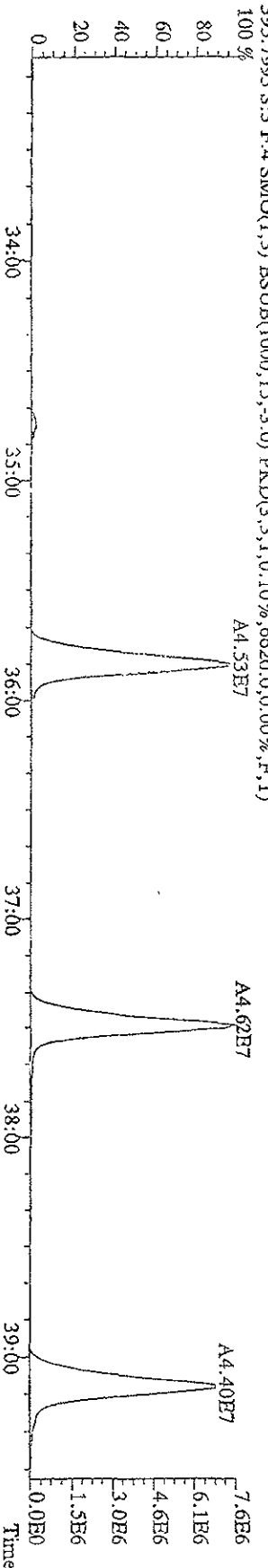
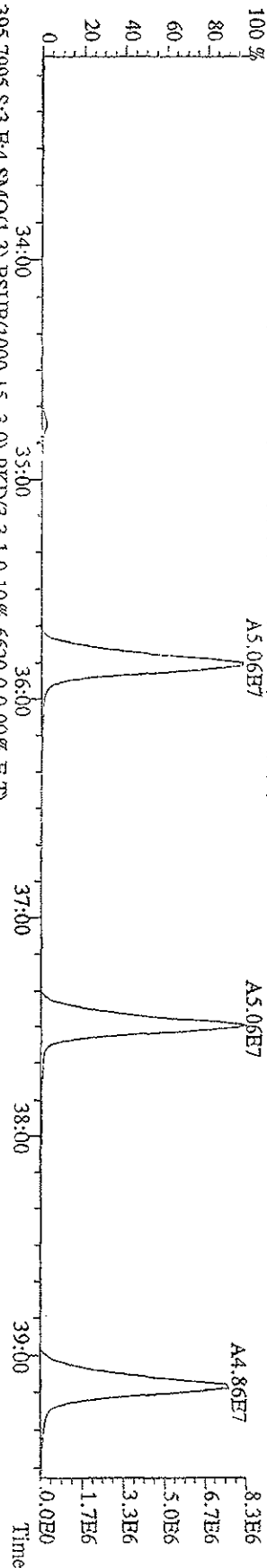


File:151A09D9D5 #1-597 Acq:15-1AN-2009 22:07:59 GC HI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 393.8025 S:3 F:3 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1.0,10%,4328.0,0.00%,F,T)

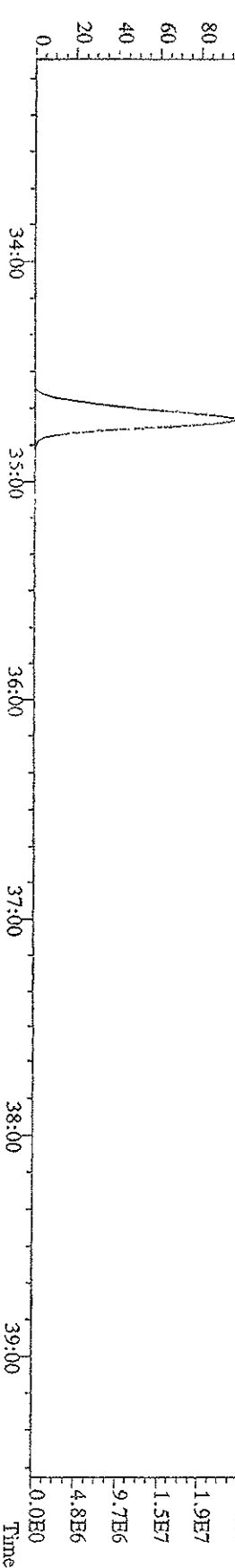
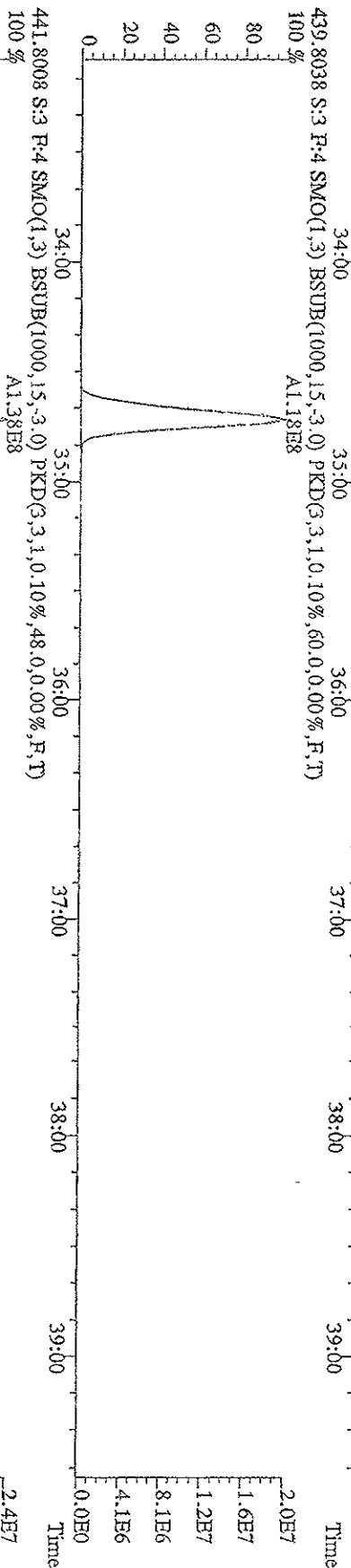
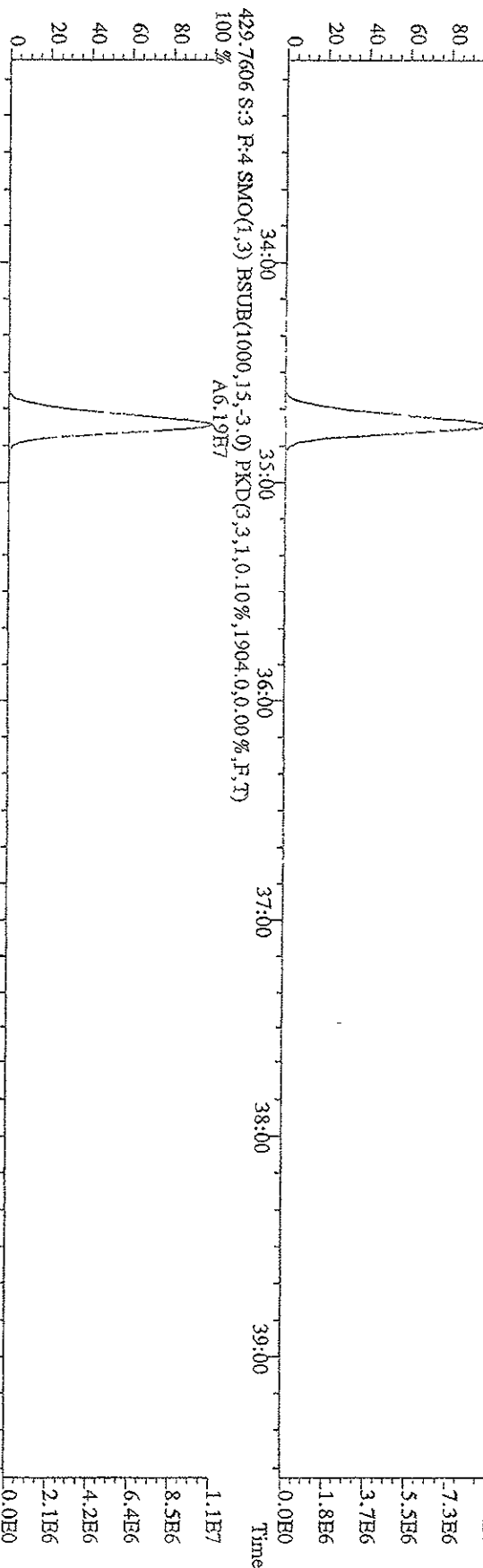




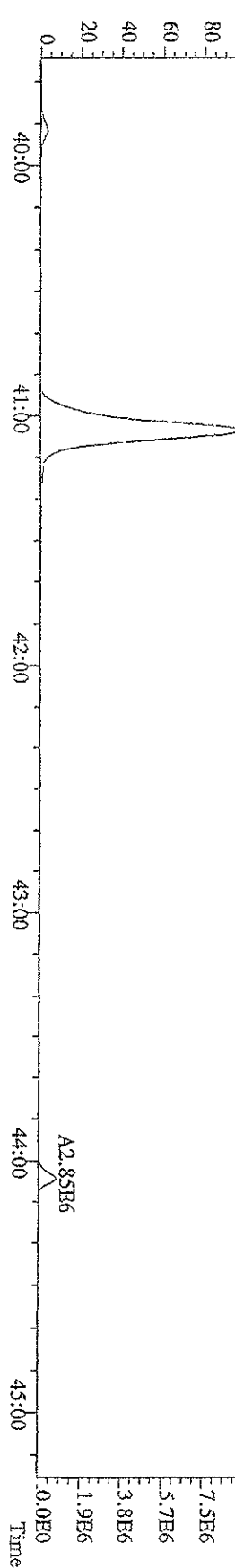
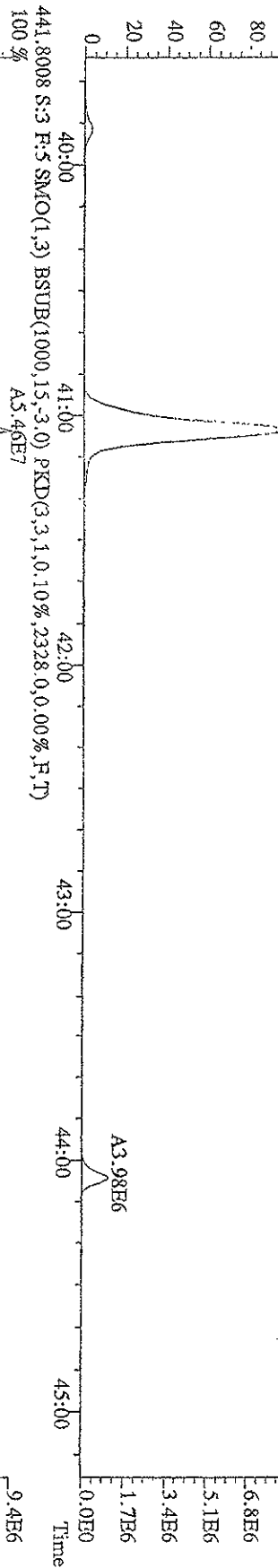
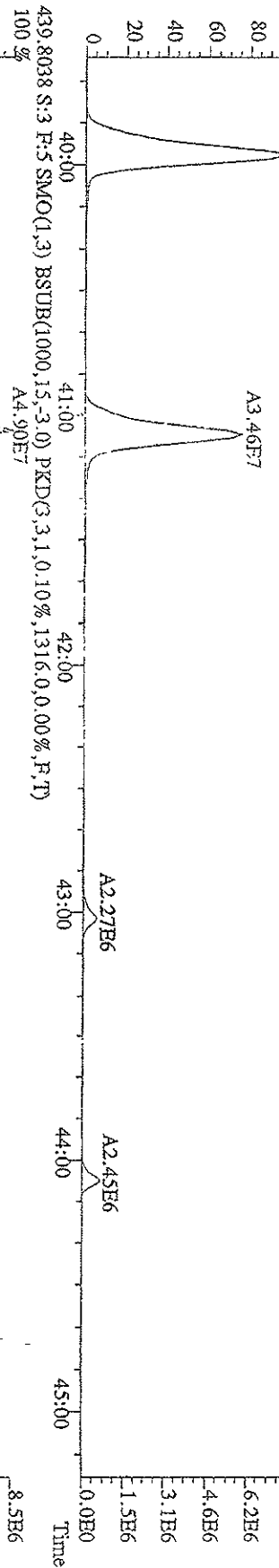
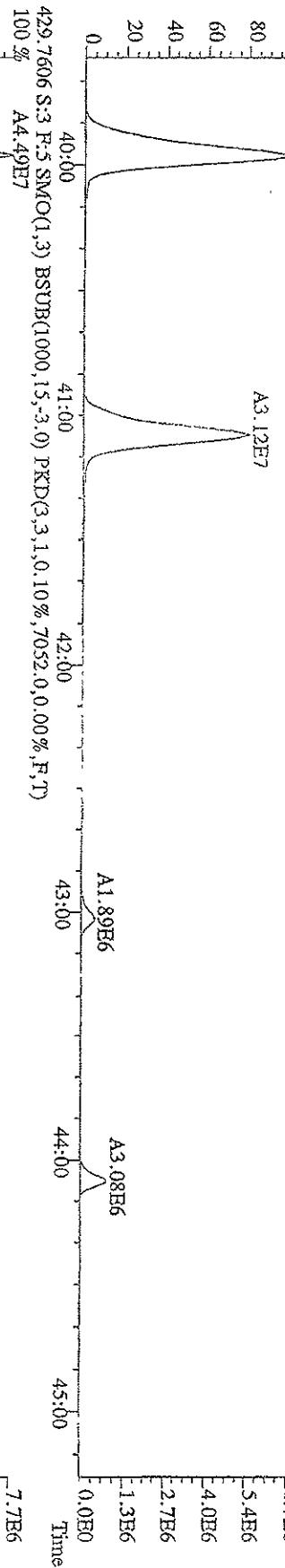
Title: 15JA09D9D5 #1-395 Acq: 15-JAN-2009 22:07:59 GC\_EI+ Voltage SIR Autospec-UHimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5600,0,0,00%,F,T)



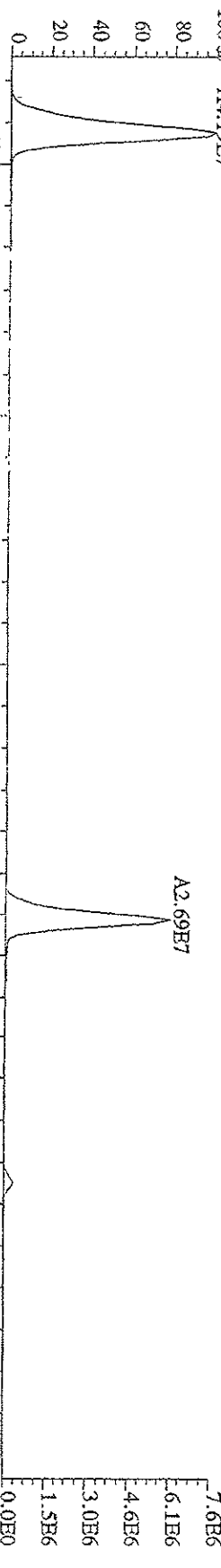
File: 151A09DD9D5 #1-395 Acq: 15-JAN-2009 22:07:59 GC EL+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 427.7635 S:3 R:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1056,0,0,00%,F,T)  
 100%



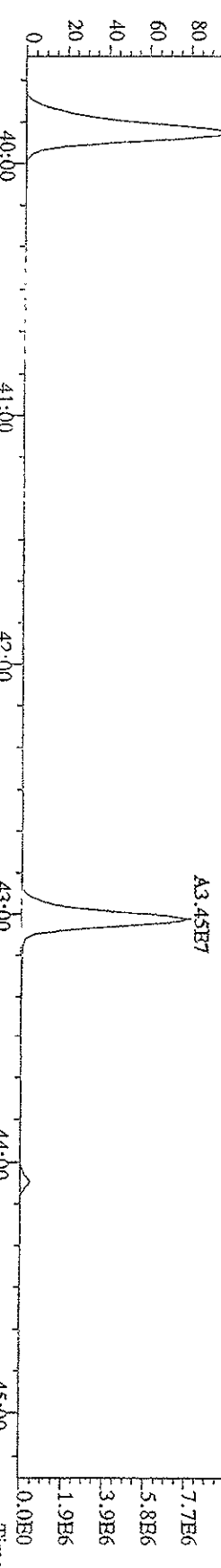
File: 151A09DD5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage: S1R Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 427.7635 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3876,0,0,00%,F,T)  
 100% A3.96E7



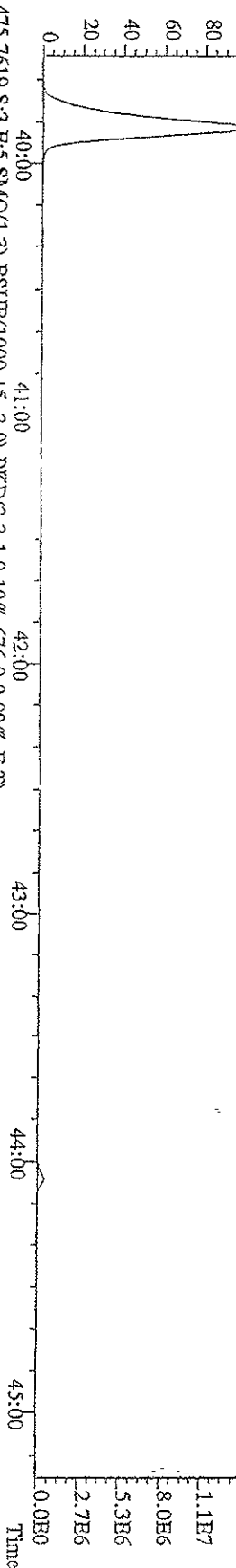
File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage STR Autospec-UHhnaE  
 Sample#3 Text:SF0115B :CS3 09DXN016 Exp:209DB5  
 461.7245 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,988,0,0,00%,F,T)  
 100% A4.19E7



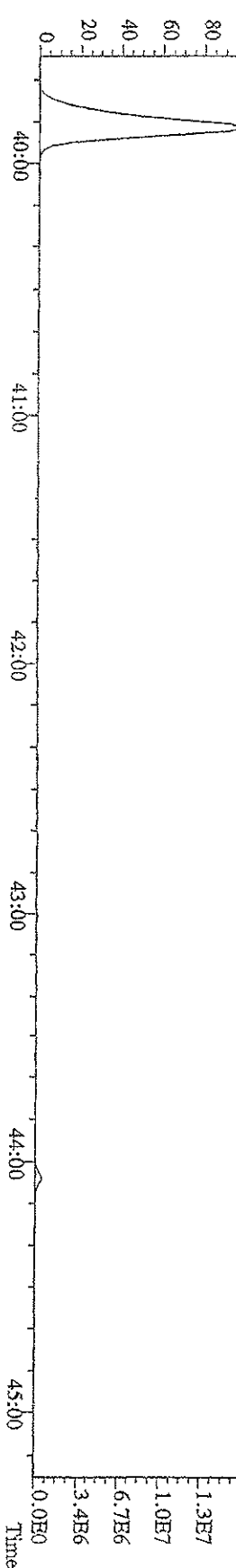
463.7216 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1296,0,0,00%,F,T)  
 100% A5.31E7



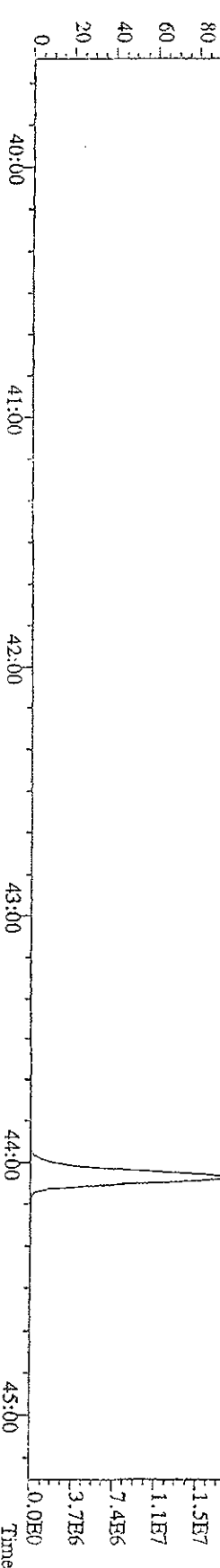
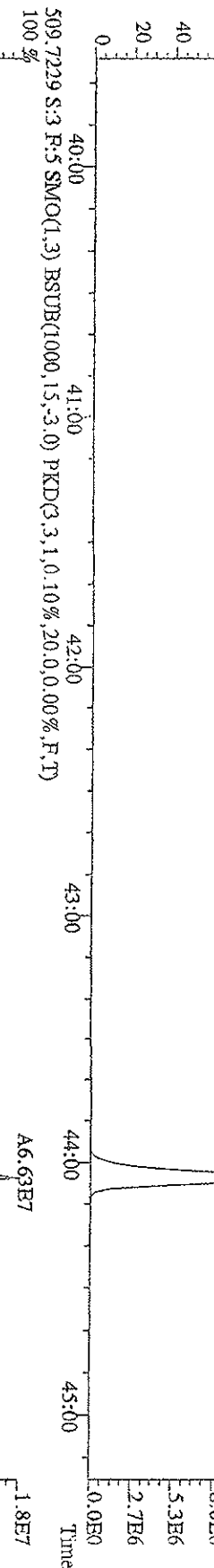
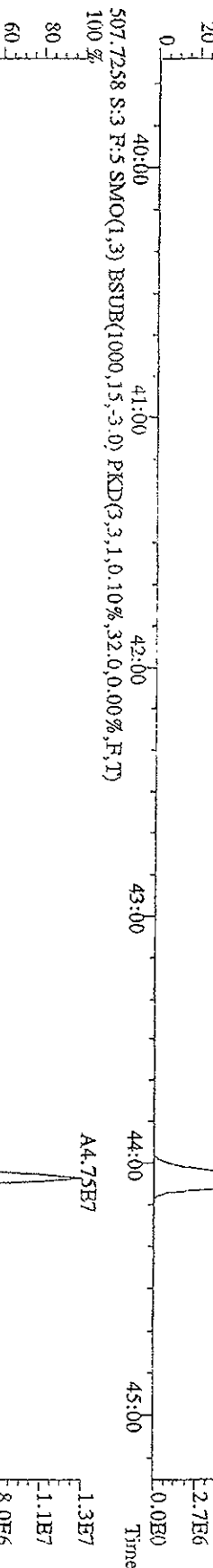
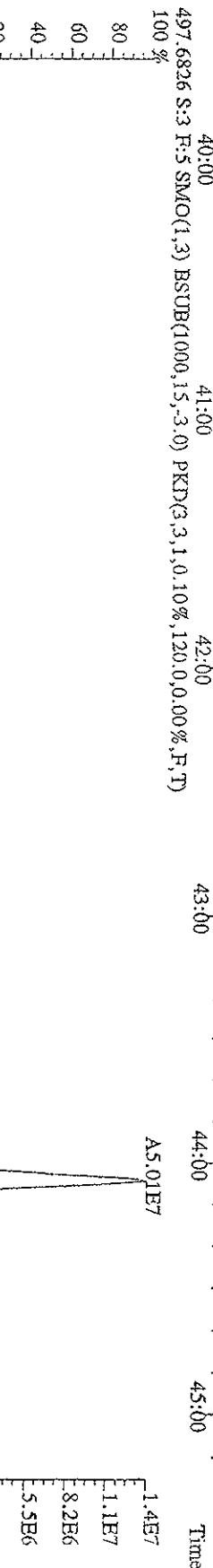
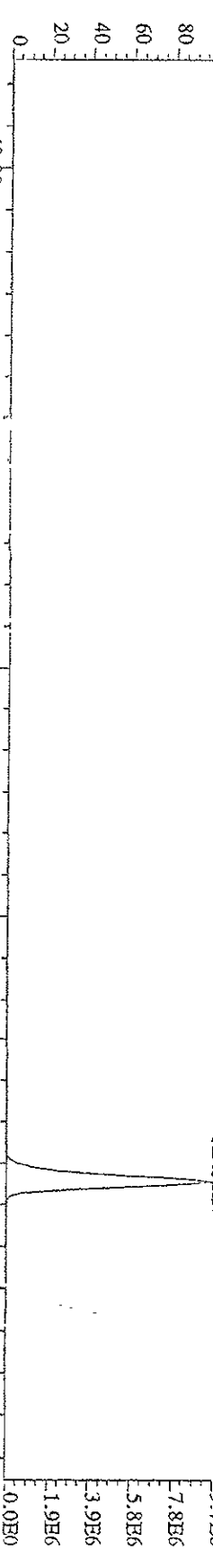
473.7648 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1104,0,0,00%,F,T)  
 100% A7.27E7



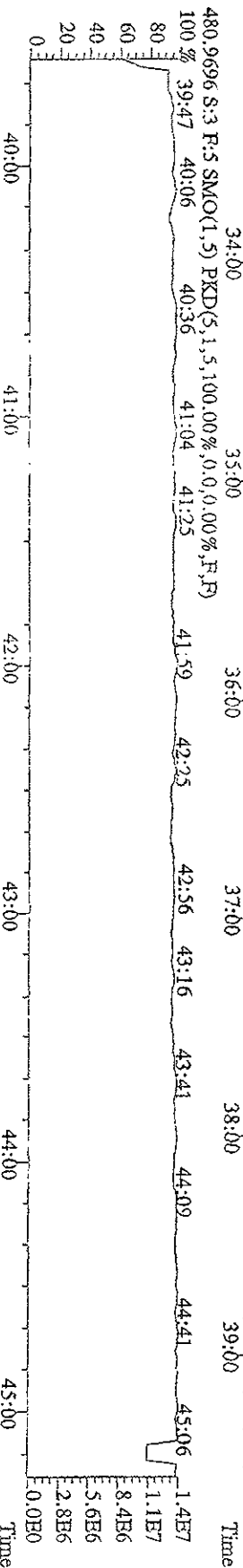
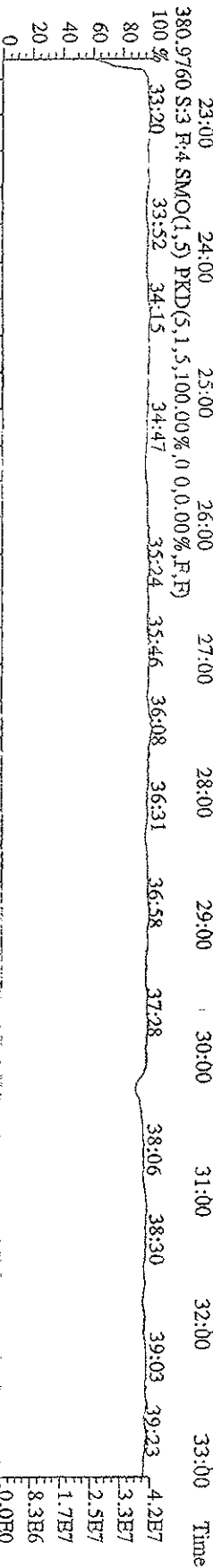
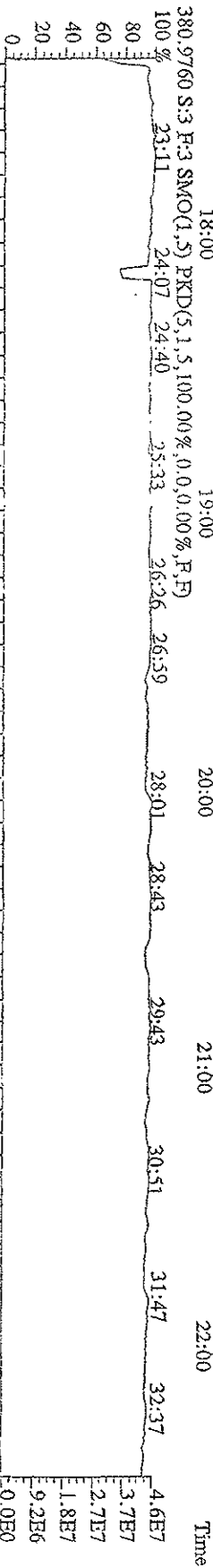
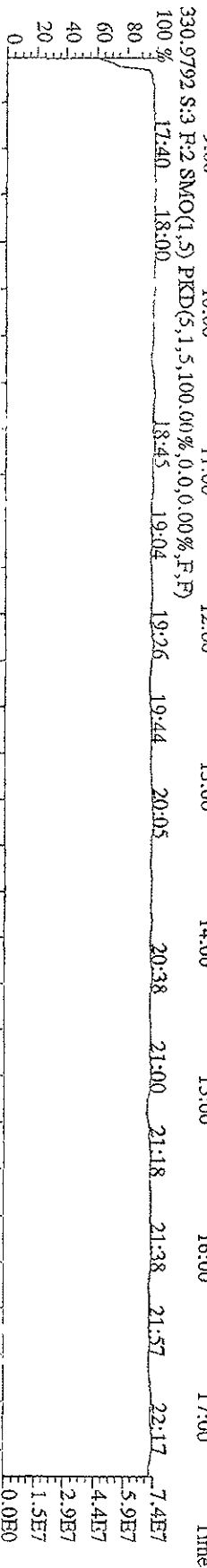
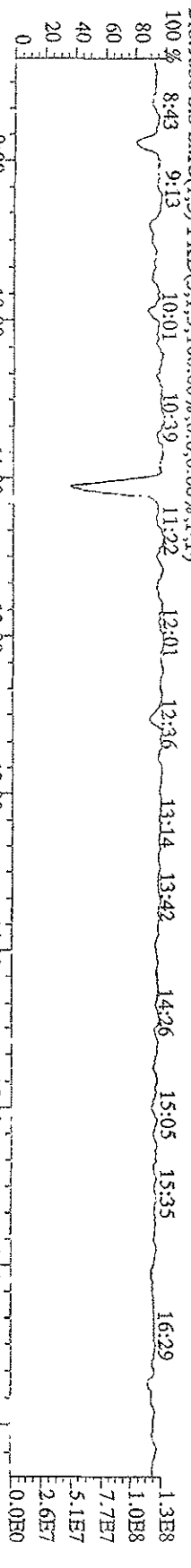
475.7619 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,676,0,0,00%,F,T)  
 100% A9.22E7



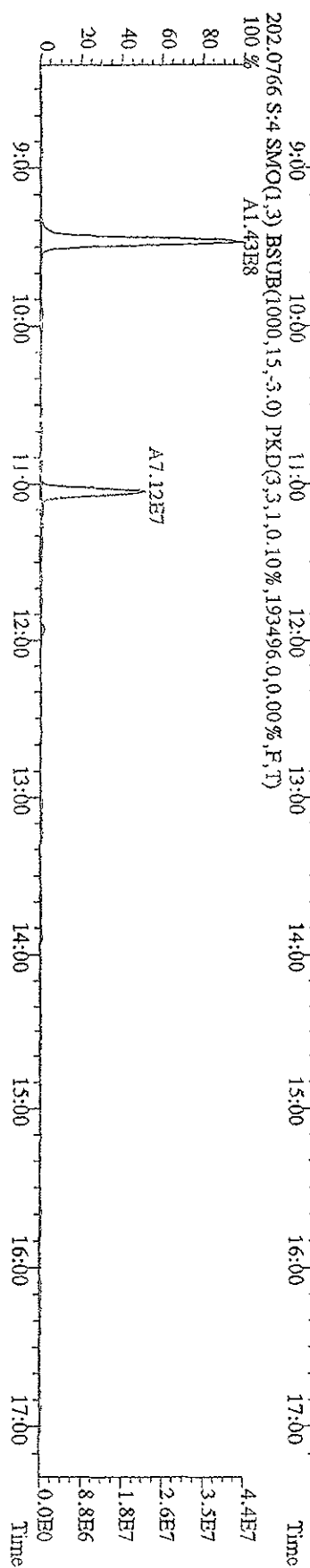
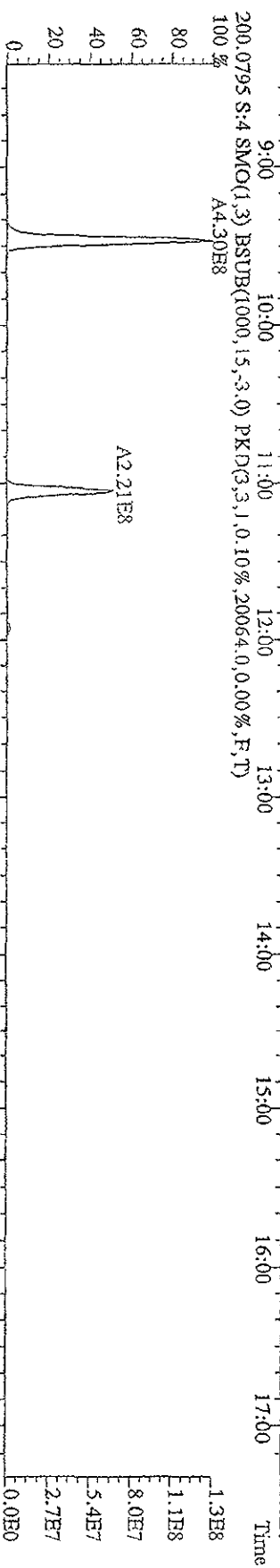
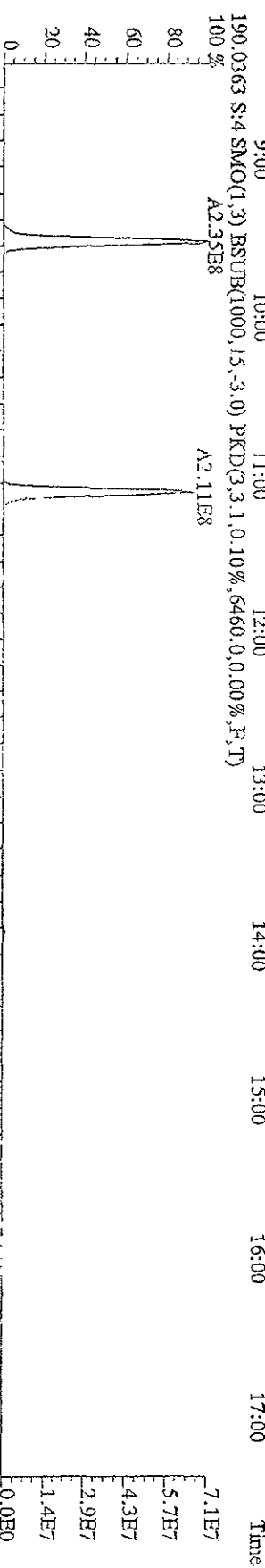
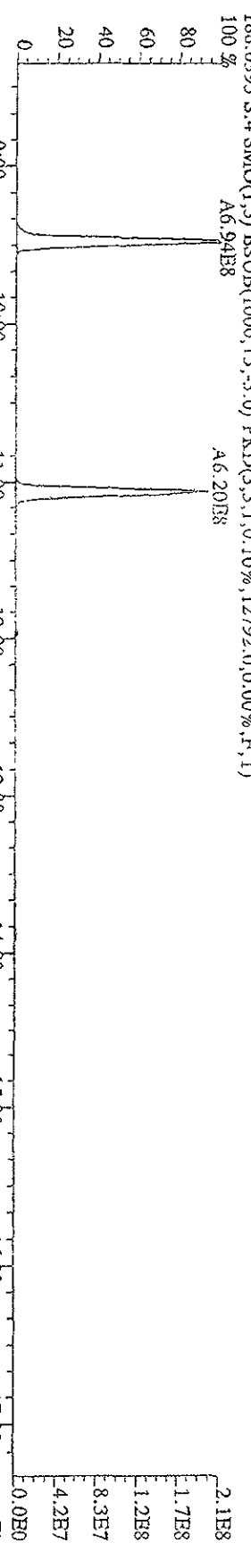
File: 15JA09D9D5 #1-378 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample #3 Text: S10115B :CS3 09DXN016 Exp: 209DB5  
 495.68356 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,604,0,0,00%,F,T)



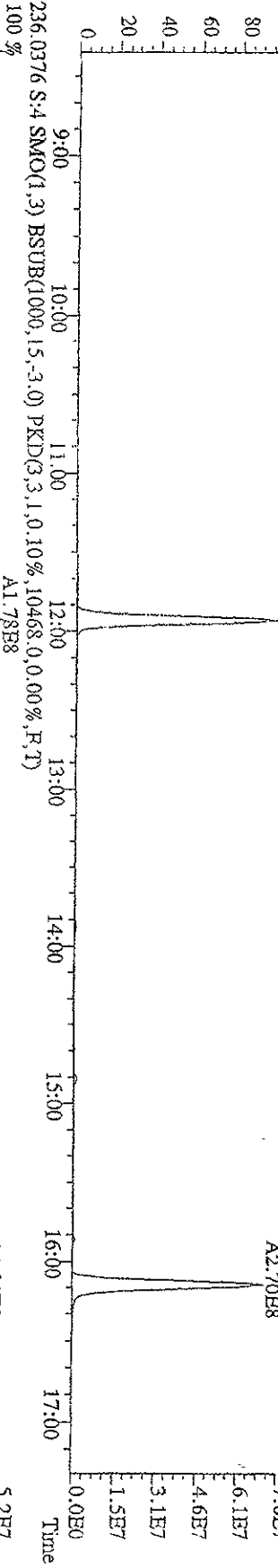
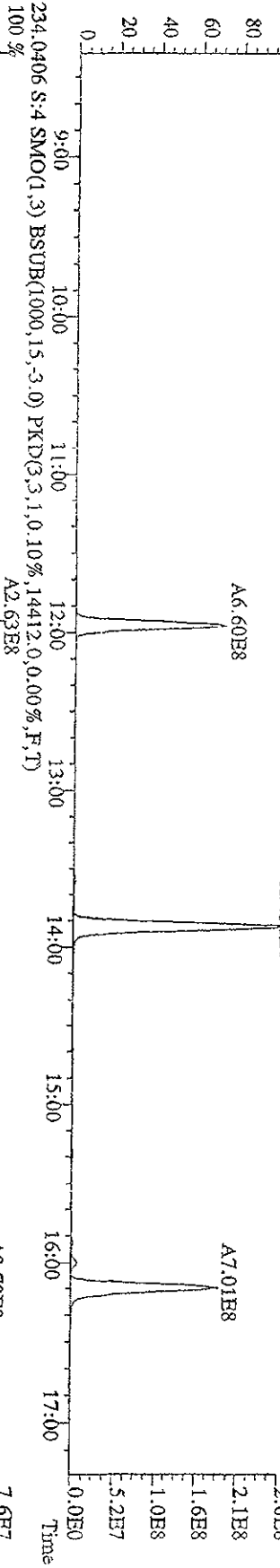
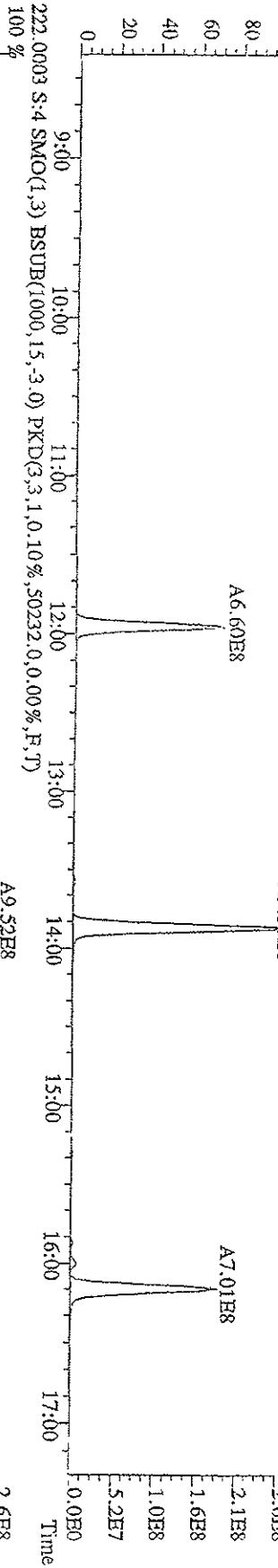
File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 22:07:59 GC: EI+ Voltage: sIR Autospec-UltimaB  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5



File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC HI+ Voltage SFR Autospec-Ultimate  
 Sample#4 Text:ST015C :CS4 09DXN017 Exp:209DB5

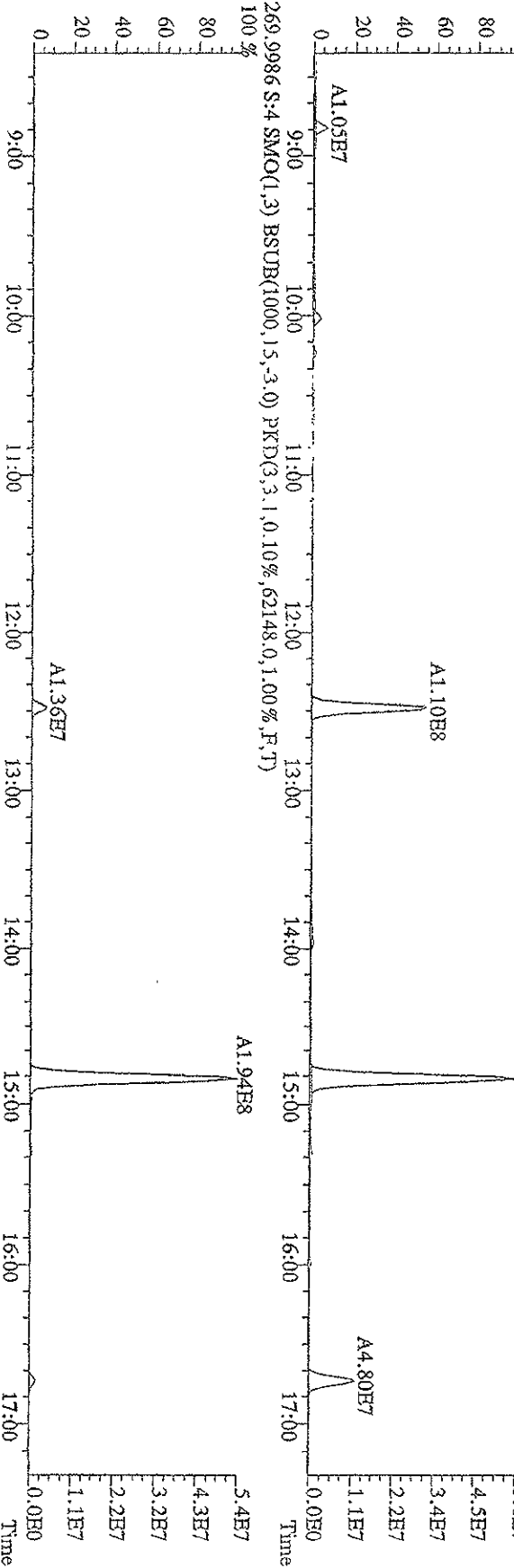
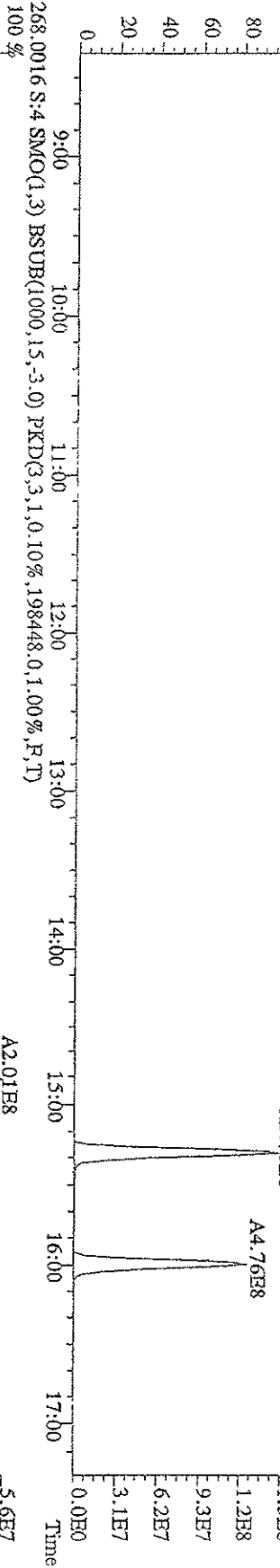
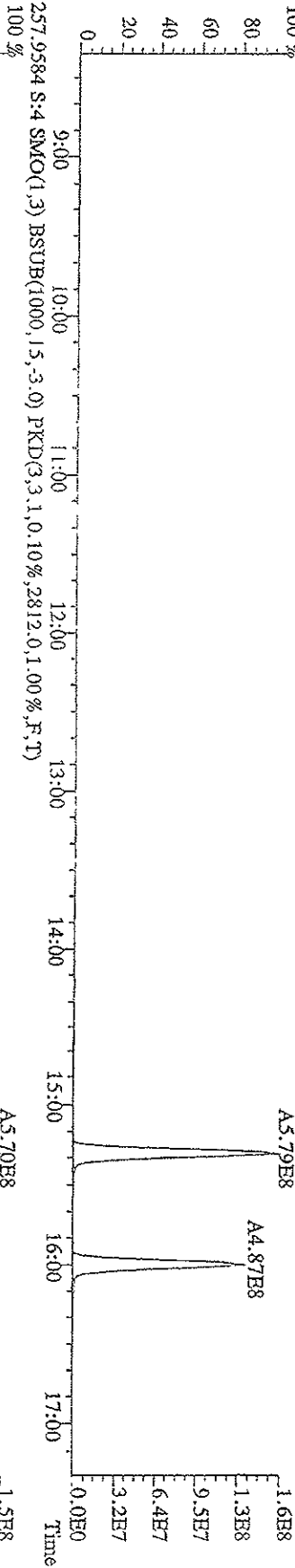


File:151A09DD9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 222.0003 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,50232,0,0,00%,F,T) 100%  
 222.0003 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,50232,0,0,00%,F,T) 100%

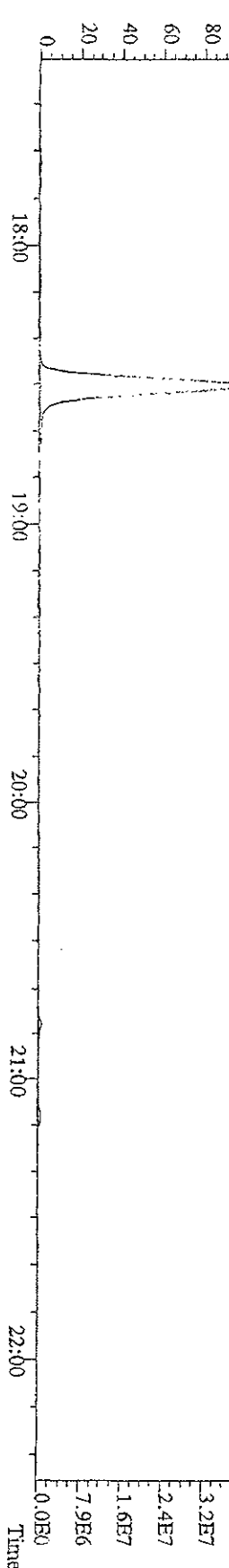
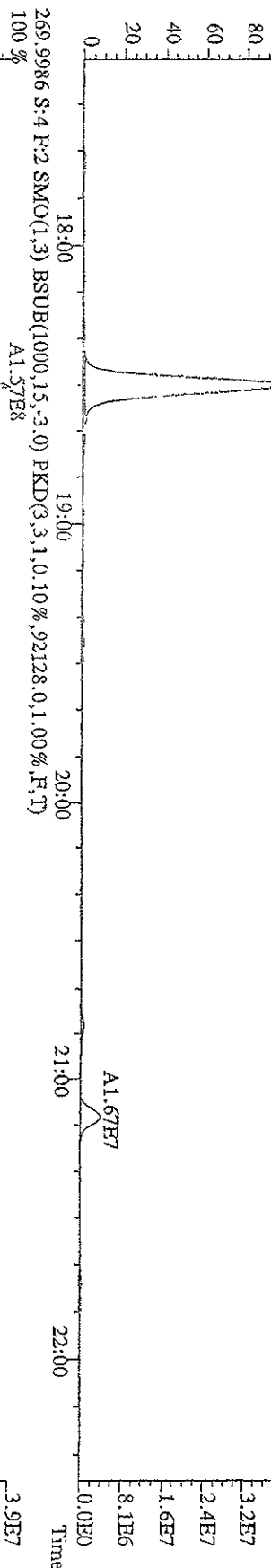
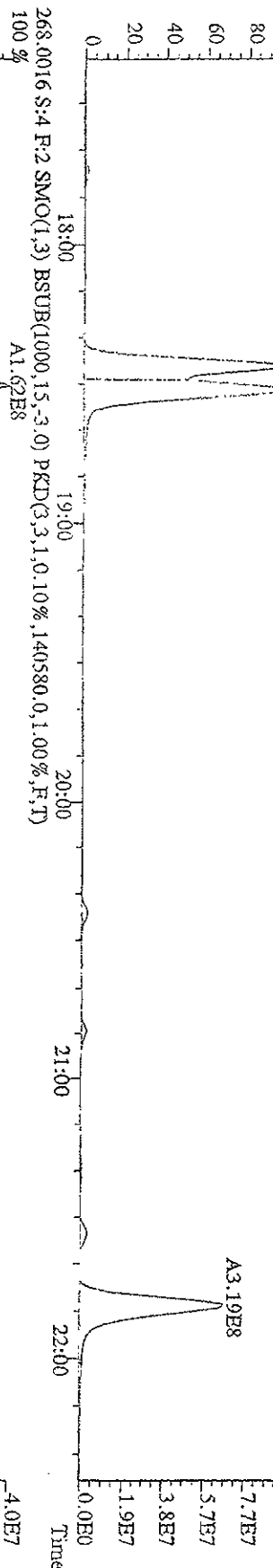
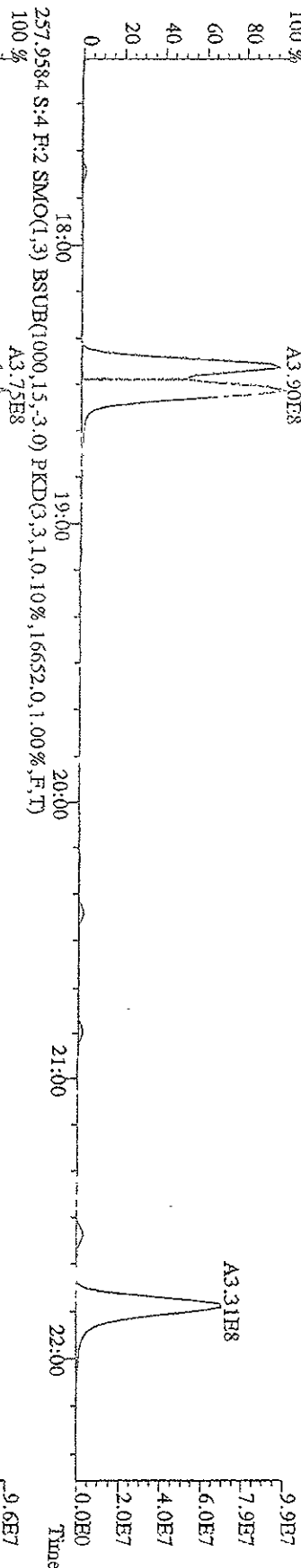




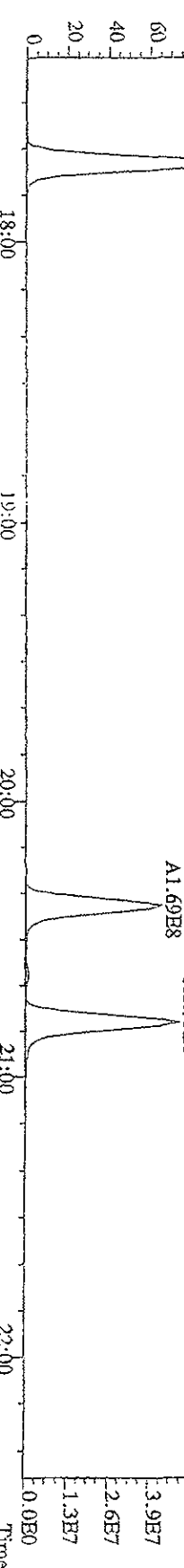
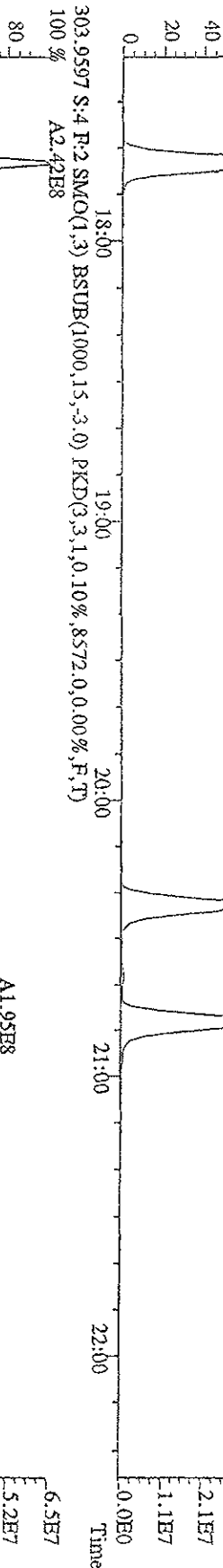
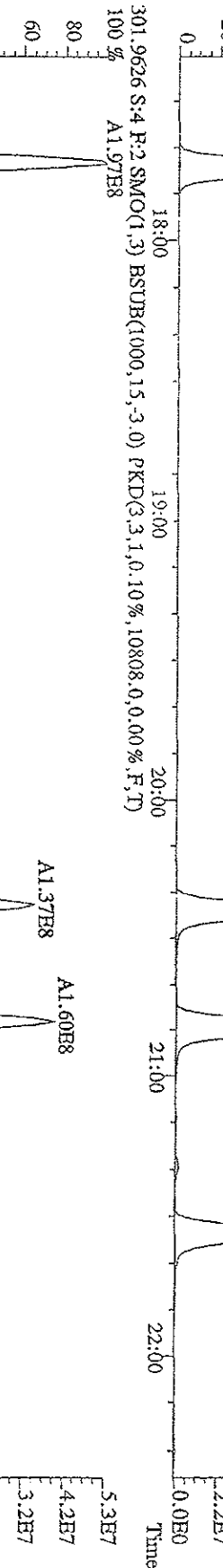
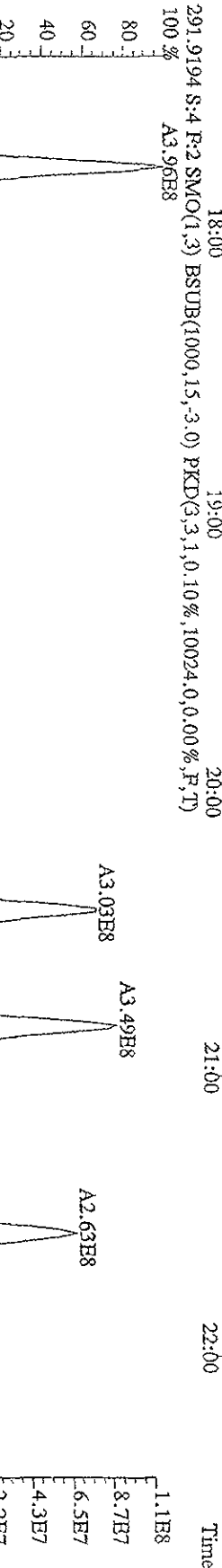
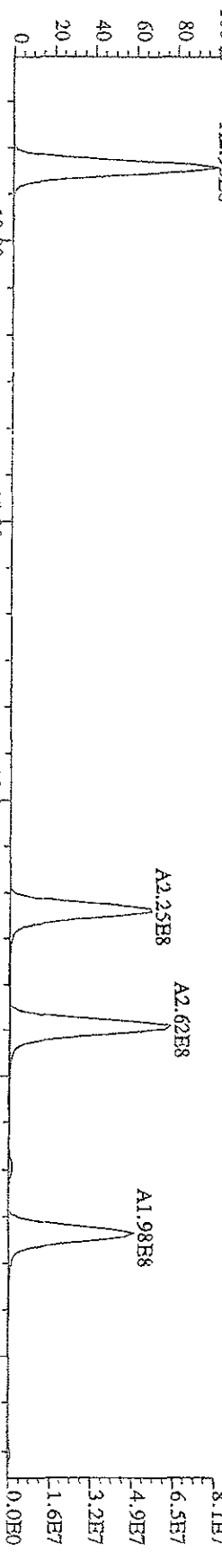
File:151A09DD5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 255.9613 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6372.0,1.00%,F,T)



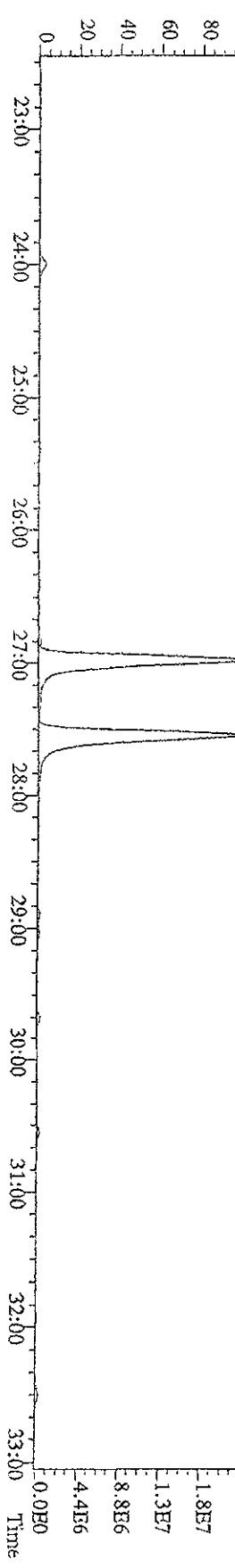
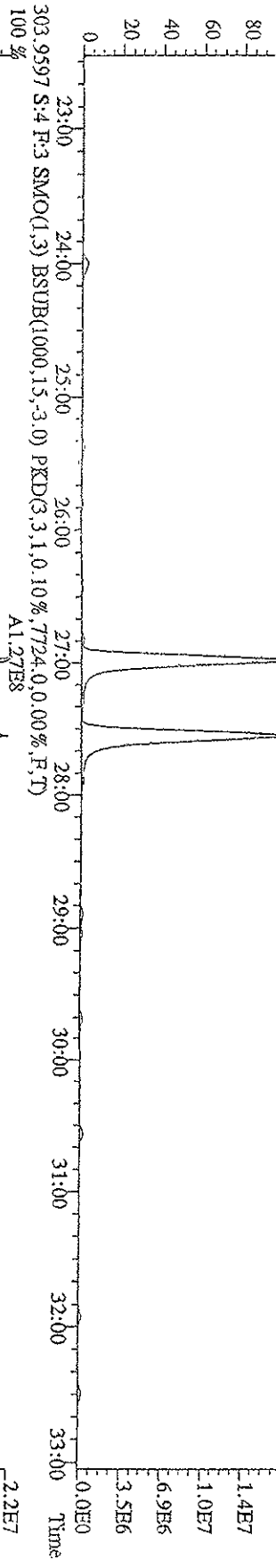
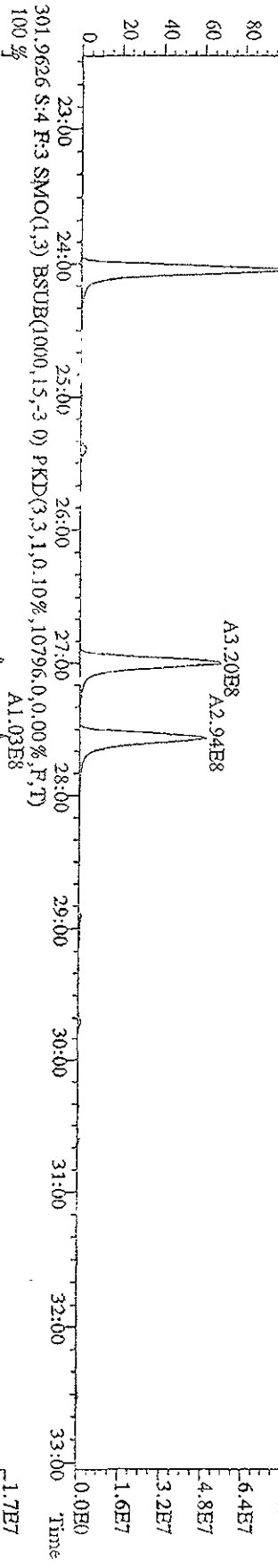
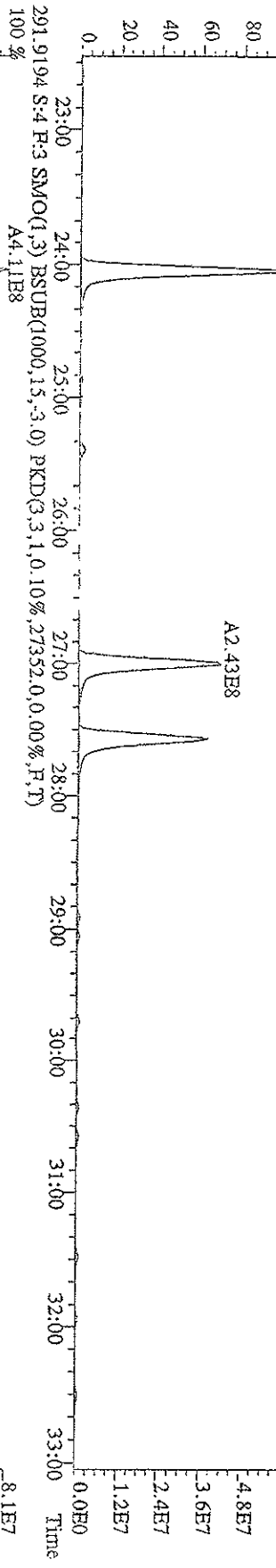
File:151A09D9D5 #1-371 Acq:15-JAN-2009 22:59:23 GC RI + Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 253.9613 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1.9732,0.1,0.00%,F,T)



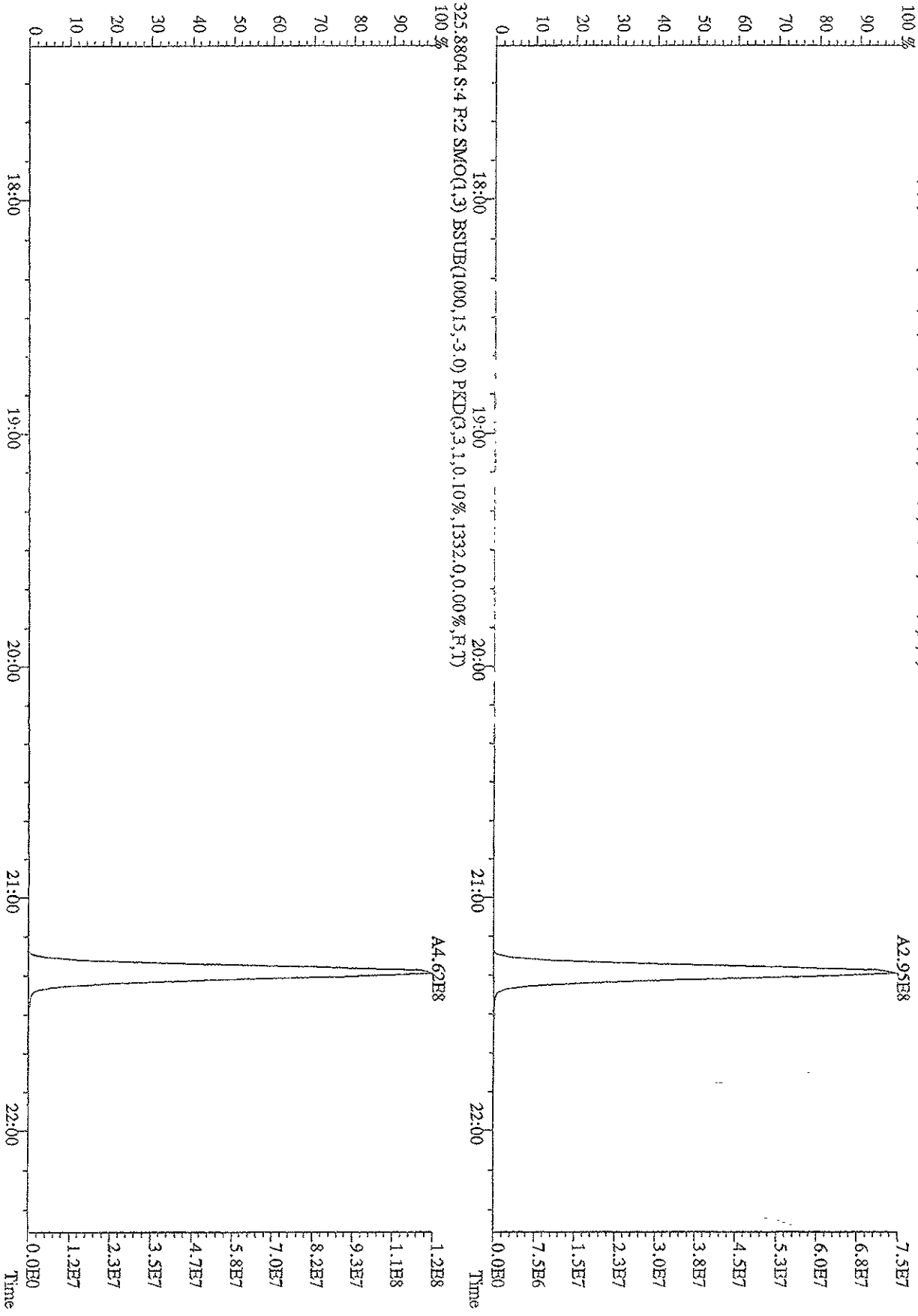
File:151A09D9D5 #1-371 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DDXN017 Exp:209DB5  
 289.9224 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10024,0,0,00%,F,T)  
 100% A2.95E8



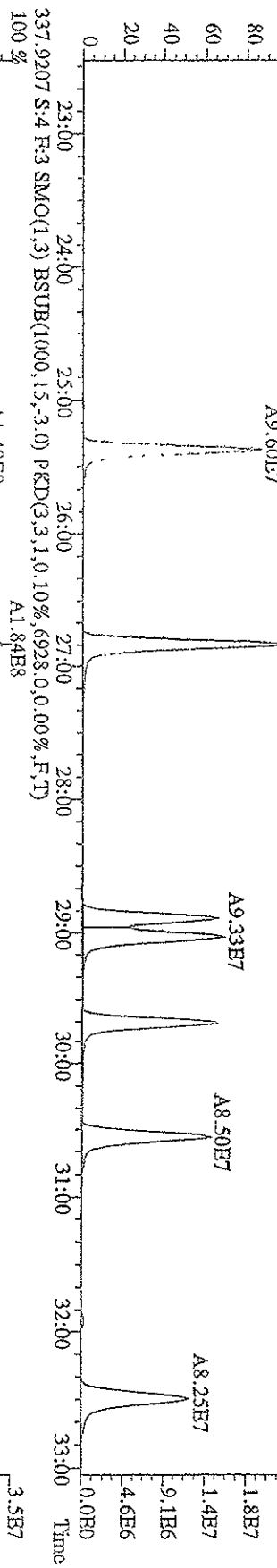
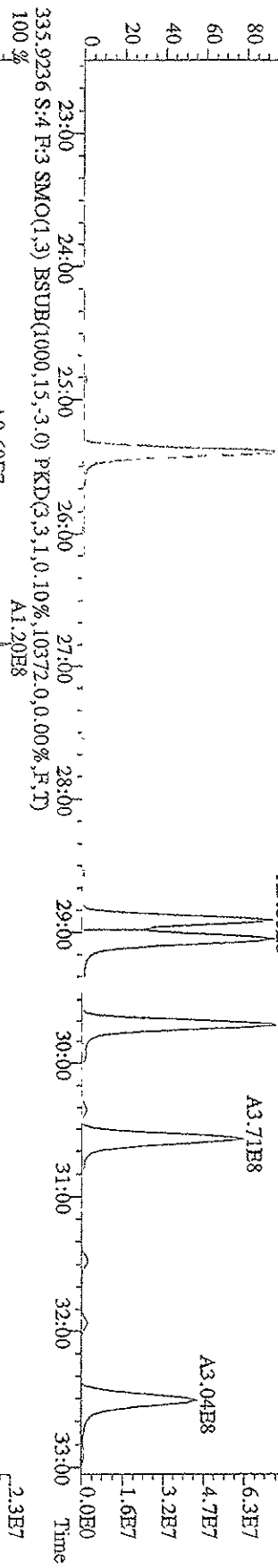
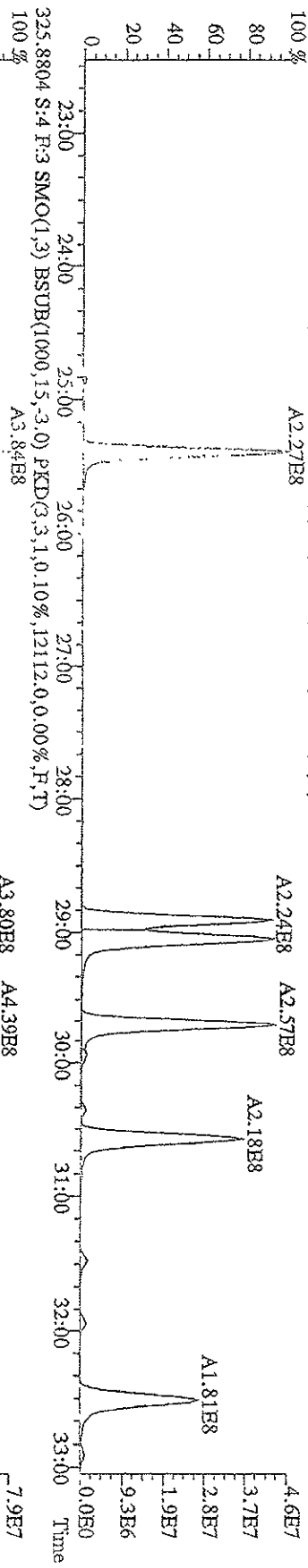
Title: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9024,0,0,00%,F,T) 100%  
 A3.11E8



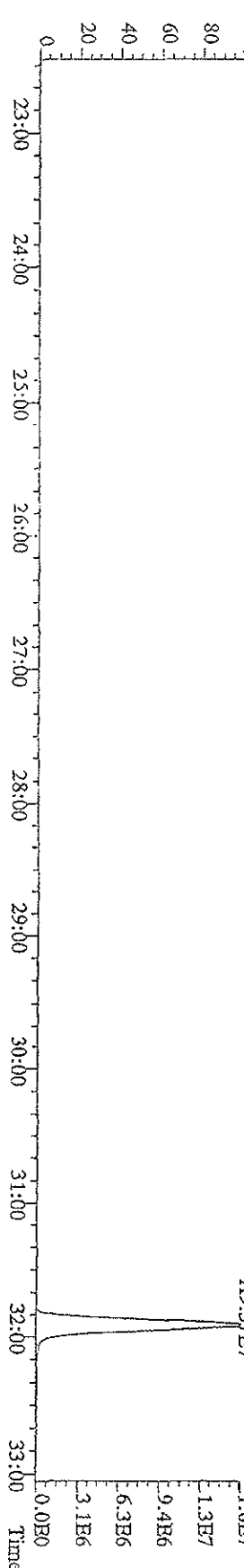
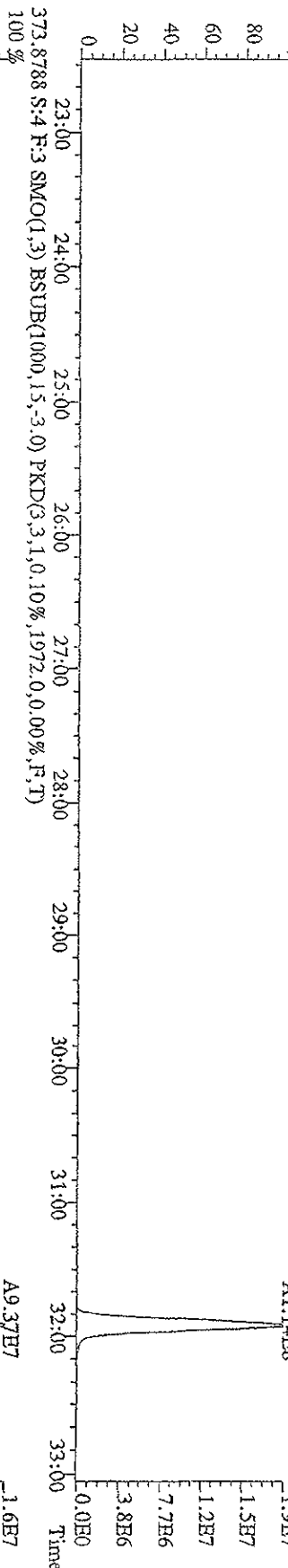
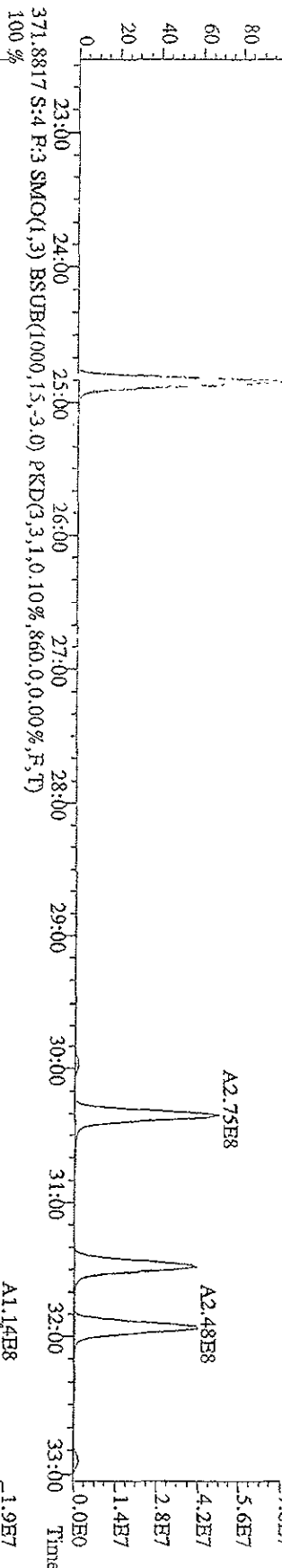
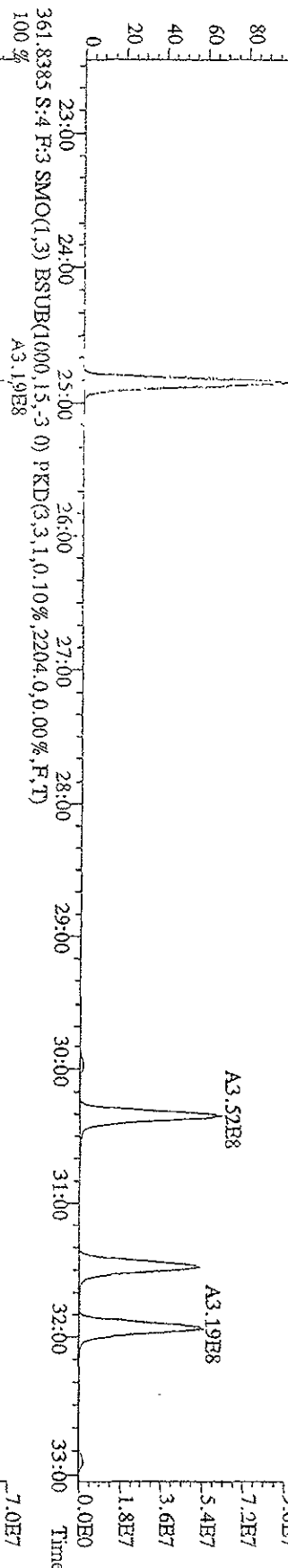
File:15JAG9D9D5 #1-371 Acq:15-JAN-2009 22:59:23 GC:EI+ Voltage:50V S/R:Autospec-Ultimate  
Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
323.8834 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1332.0,0.00%,F,T)



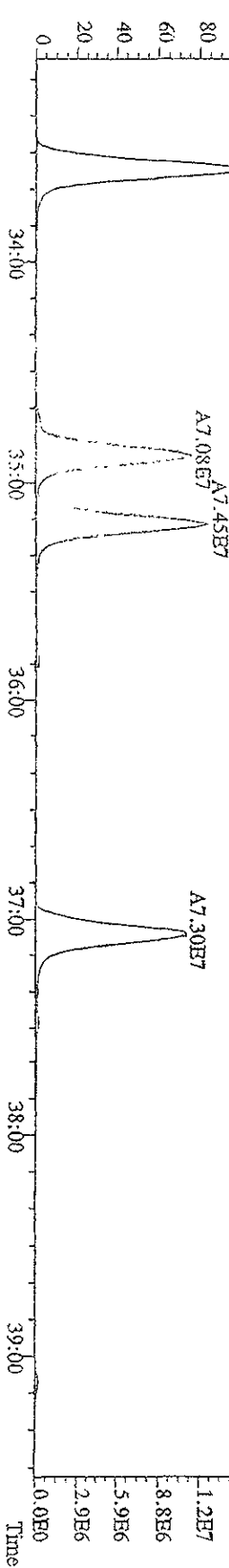
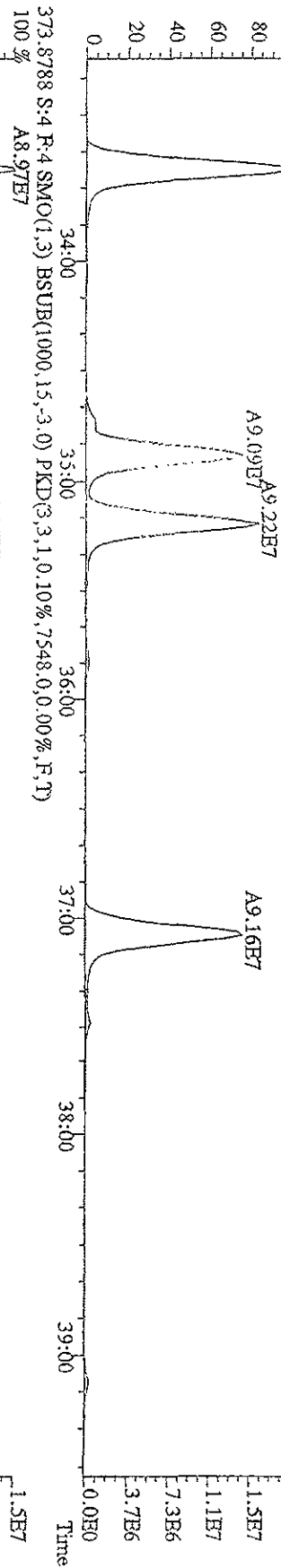
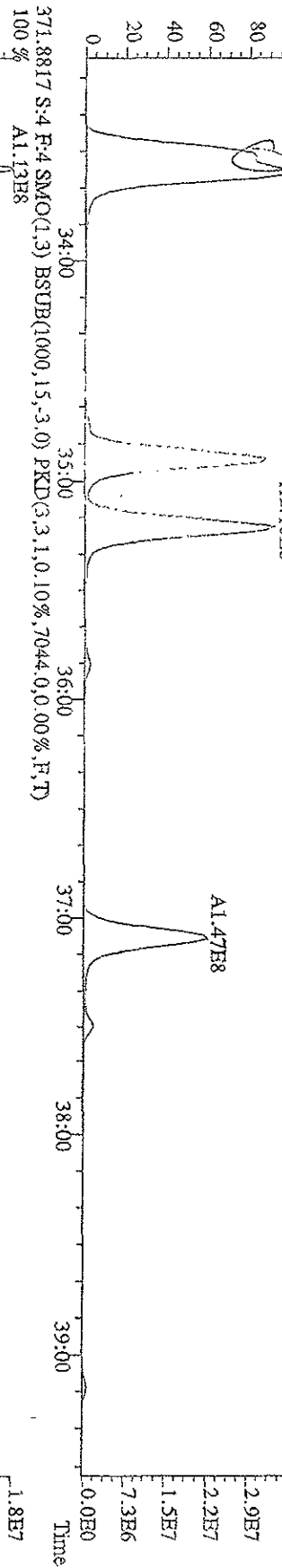
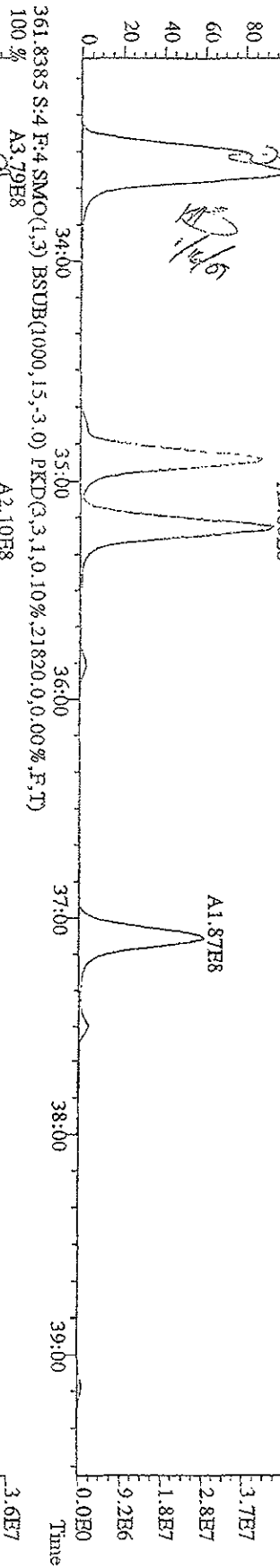
File:151A09D9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EF+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 323.8804 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,.5536,0,0,00%,F,T)  
 A2.27E8



File: 15IA09D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC: EI+ Voltage: STR Autospec: Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 359.8415 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2244,0,0,00%,F,T)  
 100% A4.07E8

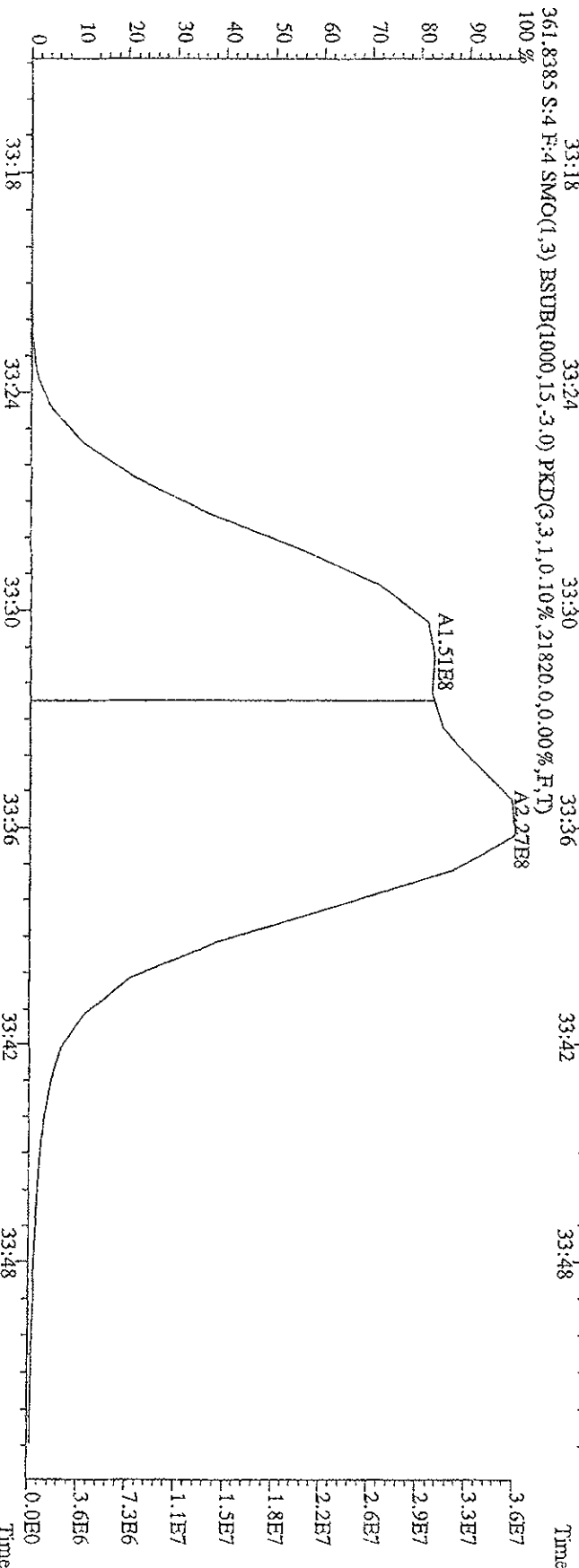
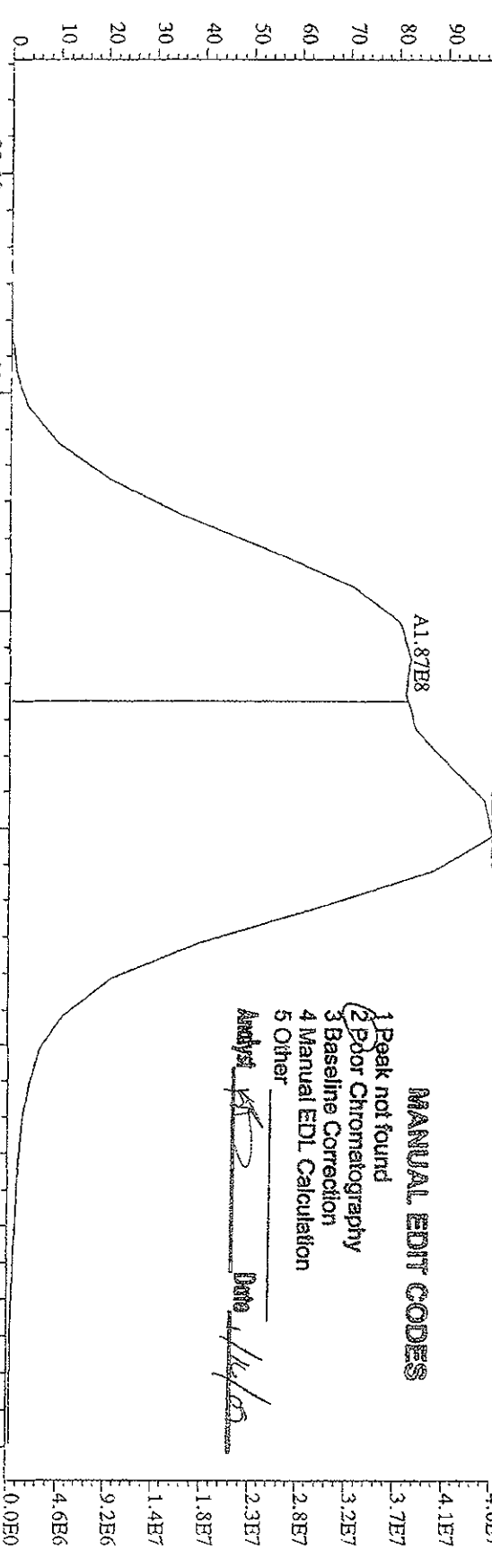


File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 359.8415 S:4 R:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,27044,0,0,00%,F,T)





File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SFR Autospec-UltimaE  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,21820,0,0.00%,F,T)  
 100%

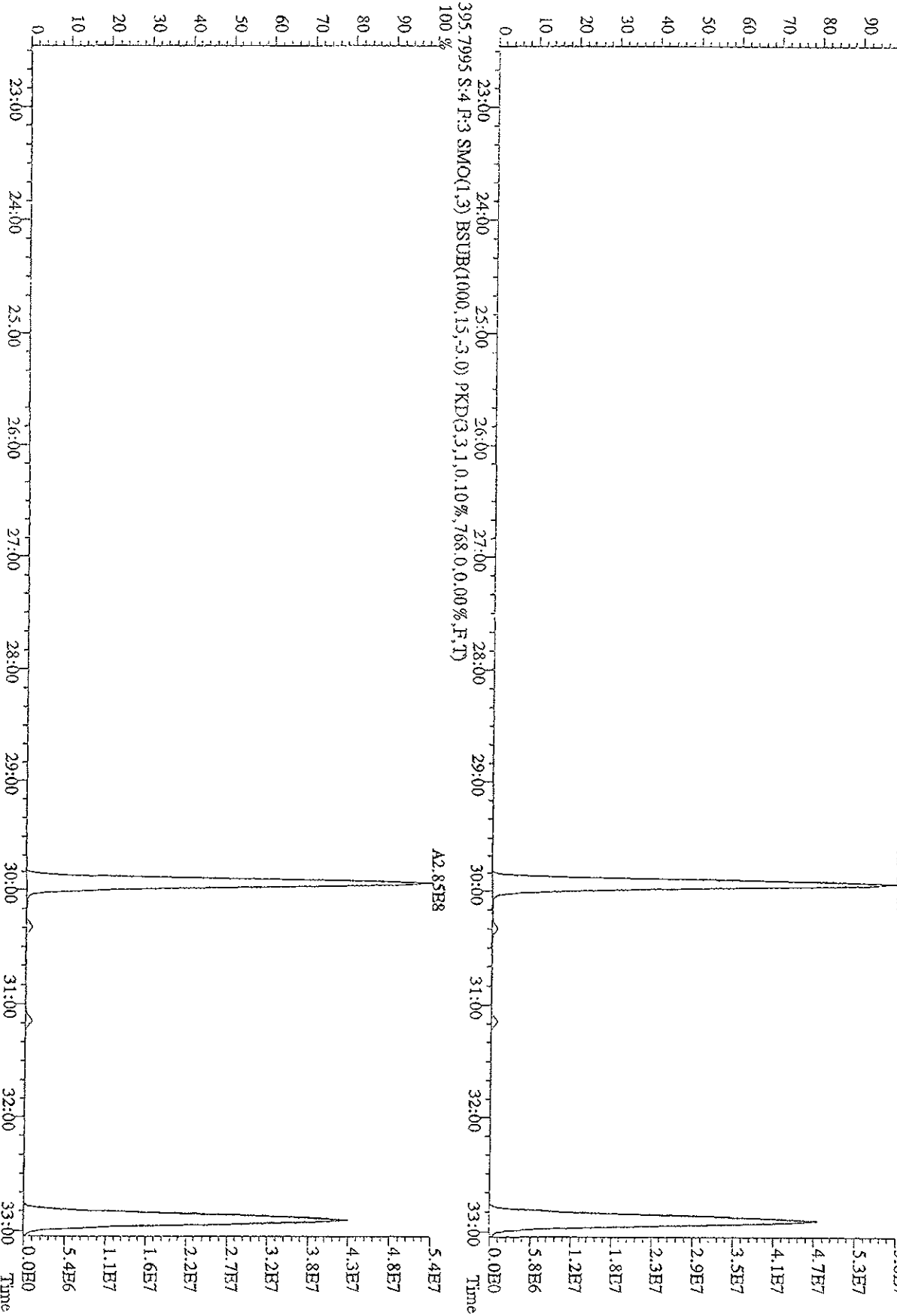


**MANUAL EDIT CODES**

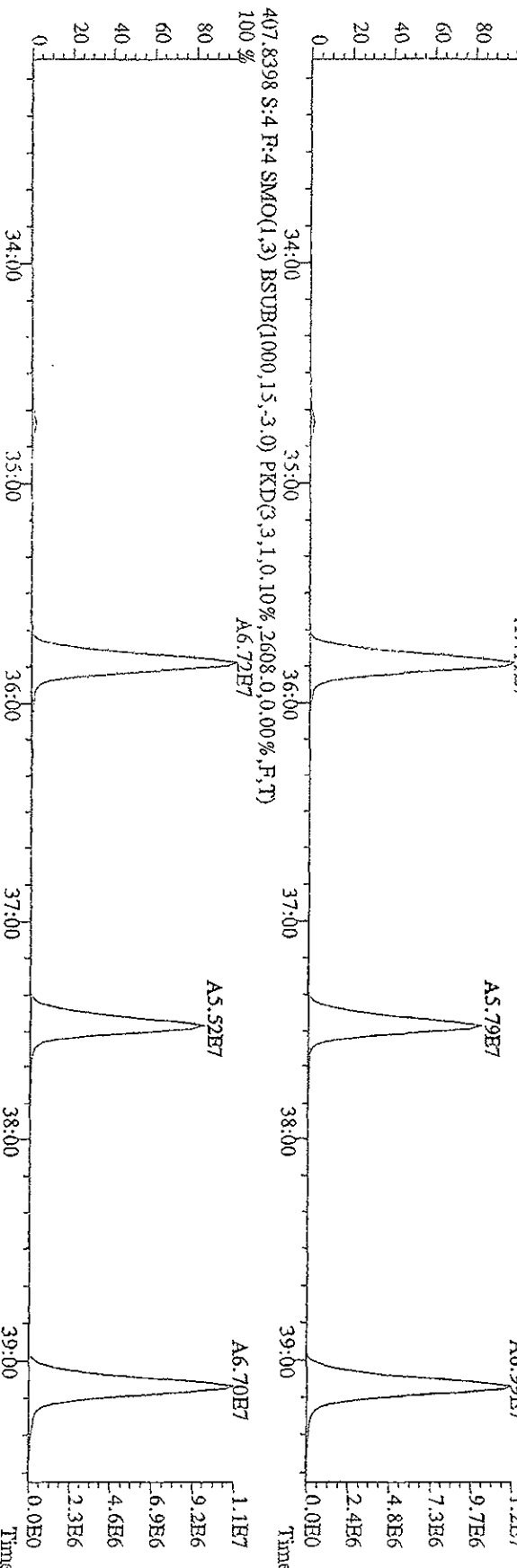
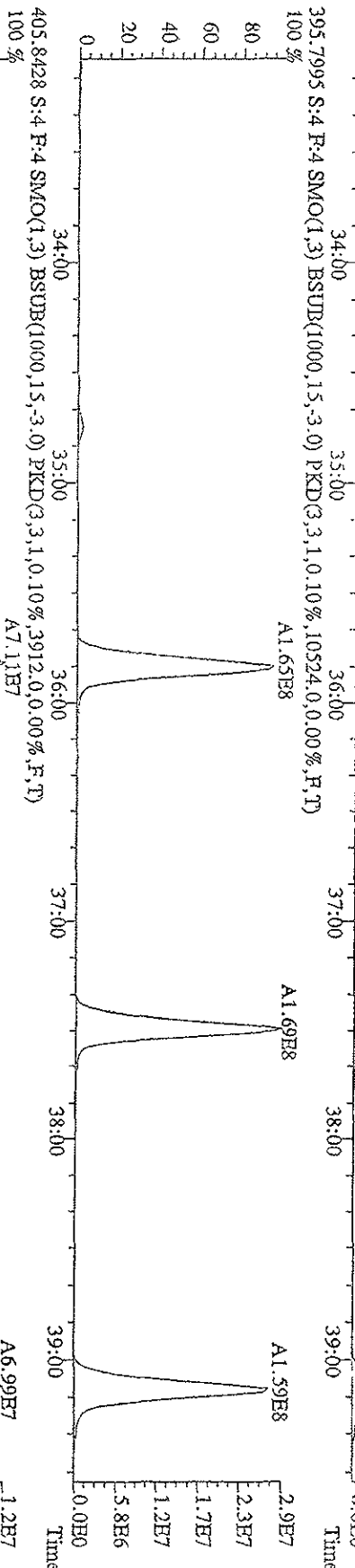
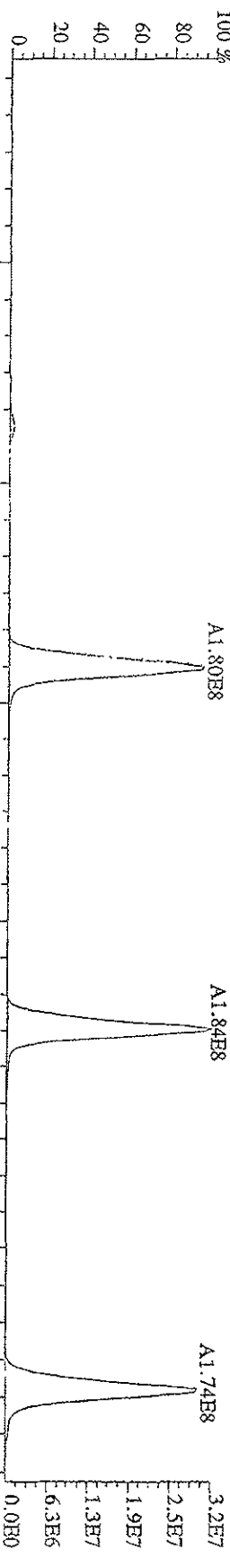
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst MS Date 1/16/09

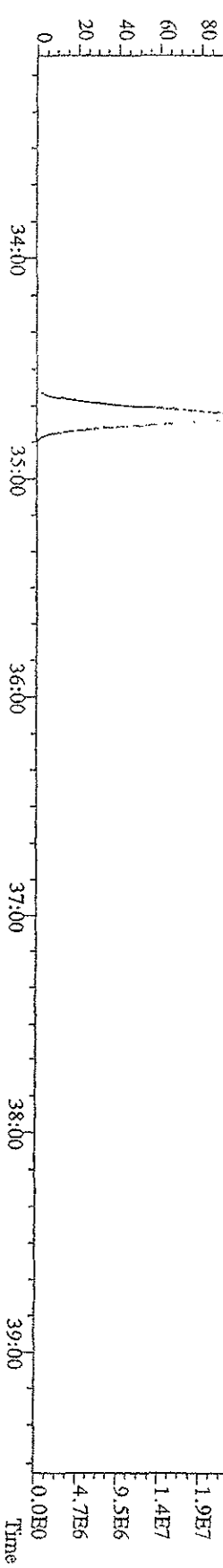
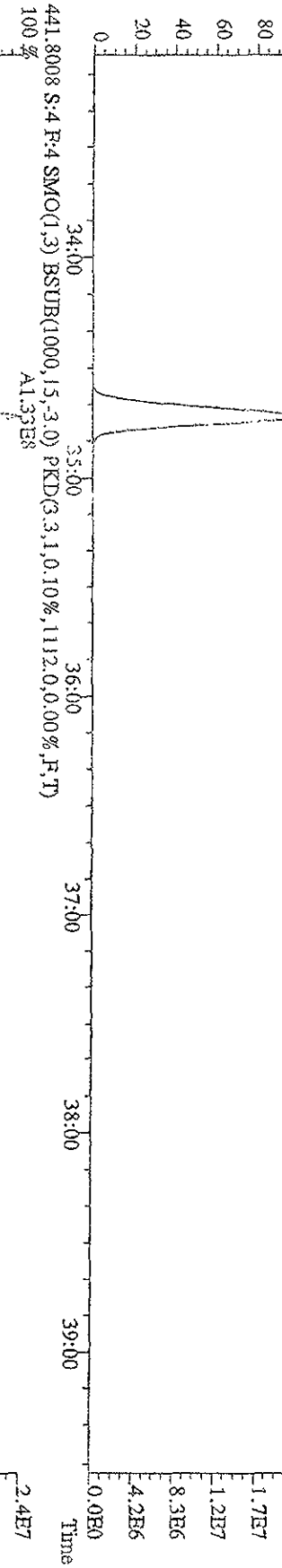
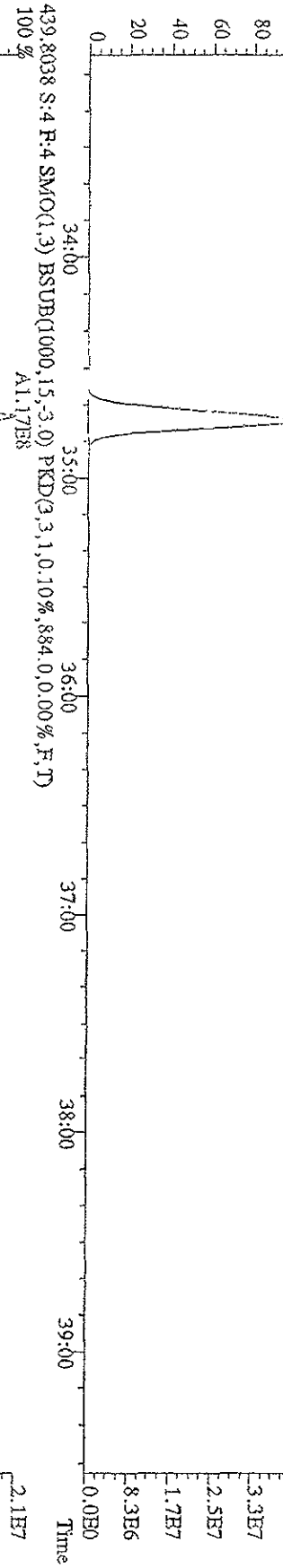
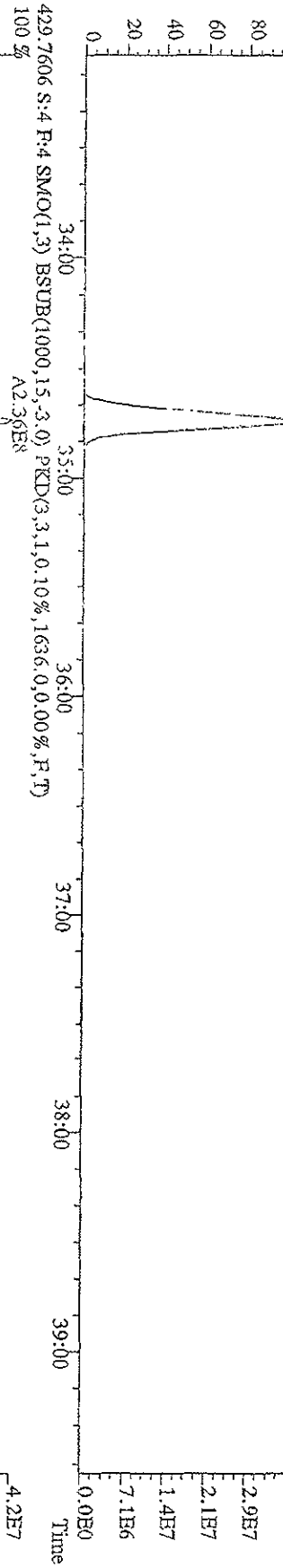
File: 15IA09DD9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4.09DXN017 Exp: 209DB5  
 395.7995 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,768,0,0,00%,F,T)  
 100%



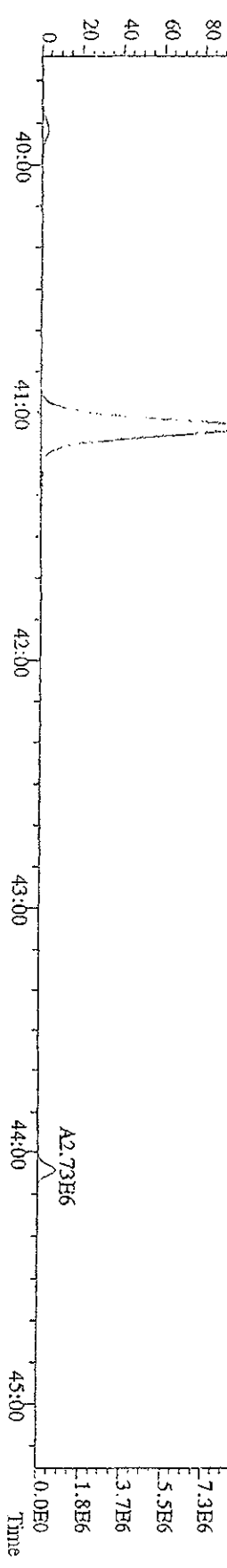
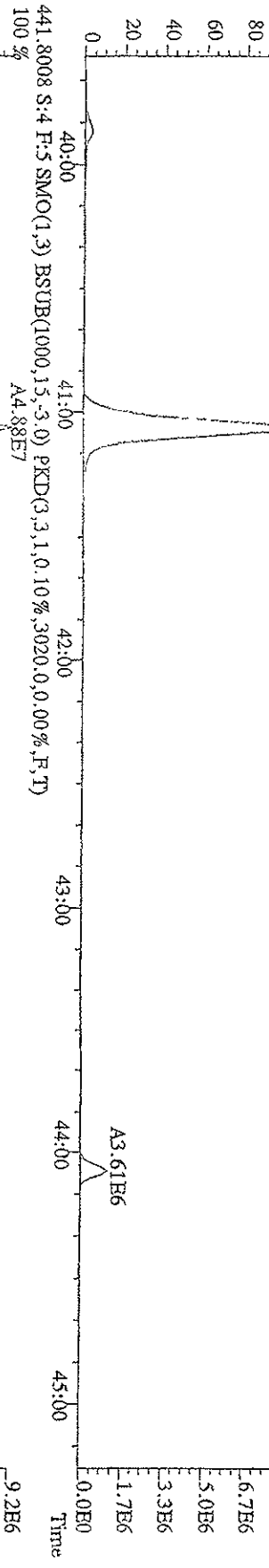
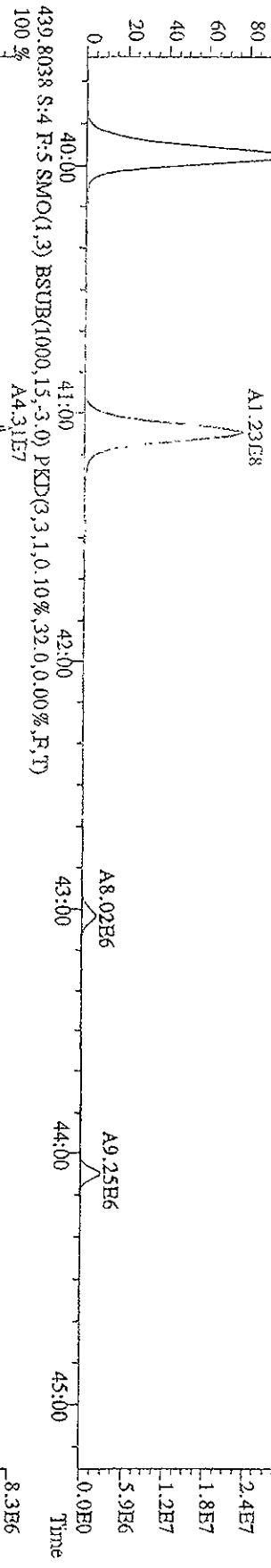
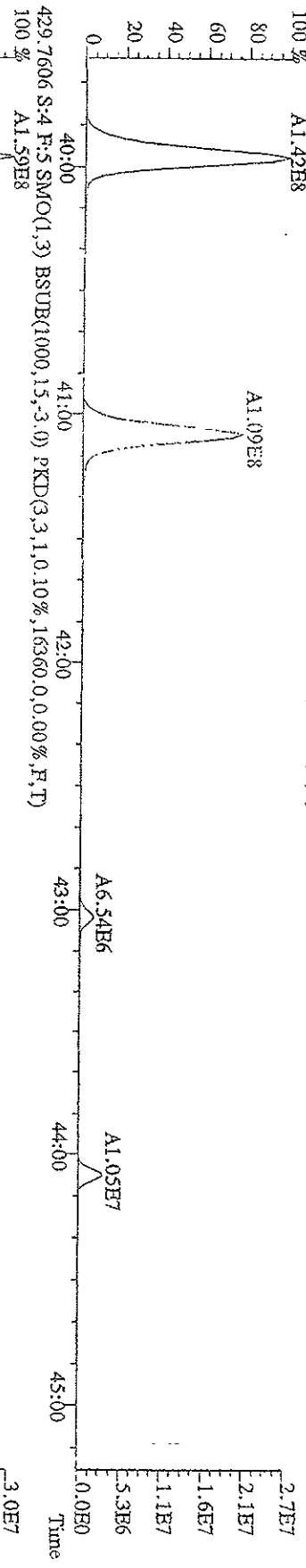
File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC:EI+ Voltage:50V SRR Autospec-UltraE  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 395.7995 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,13760,0,0.00%,F,T)



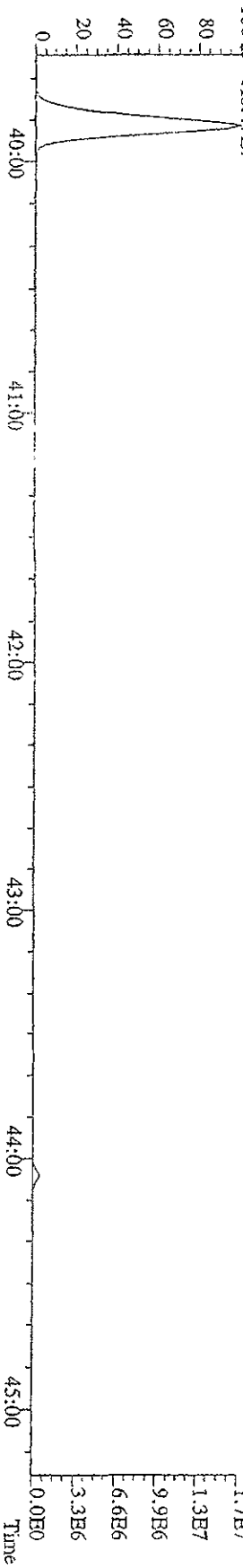
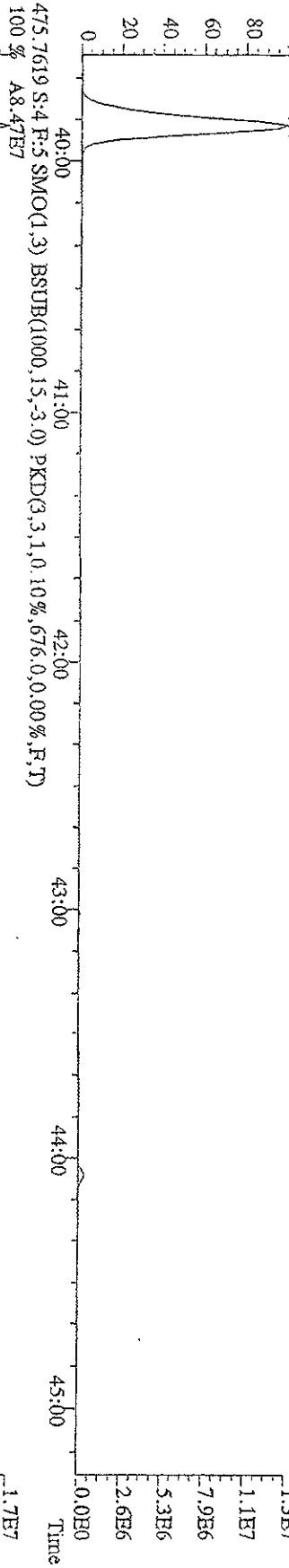
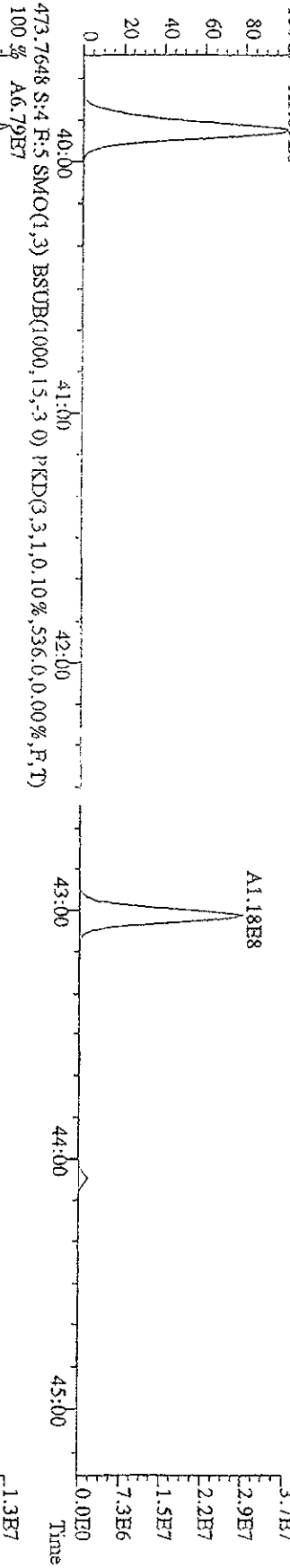
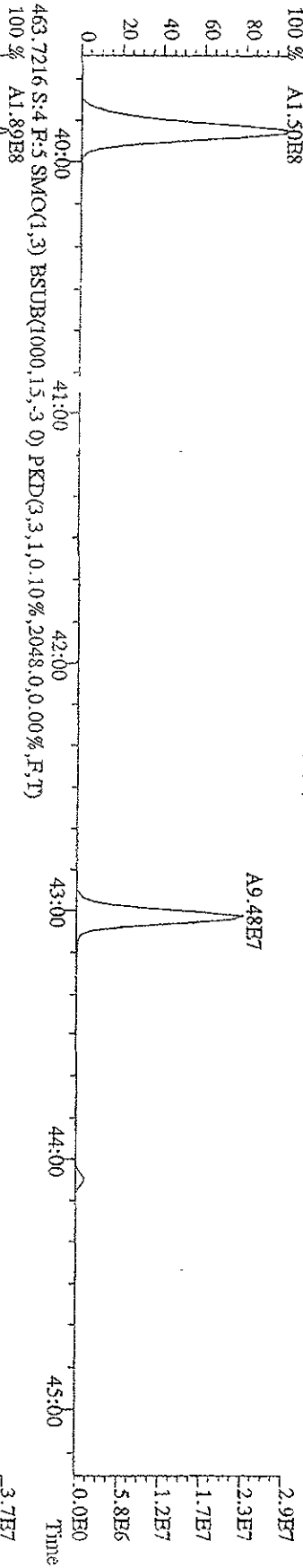
File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 427.7635 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1364,0,0,00%,F,T)  
 100% A2.03E8



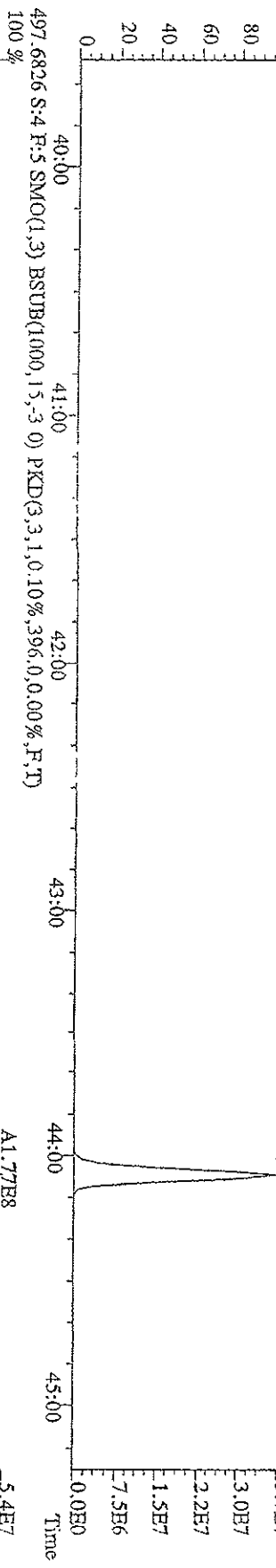
File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC BI+ Voltage STR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 427.7635 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,18184.0,0.00%,F,T)  
 100% A1.42E8



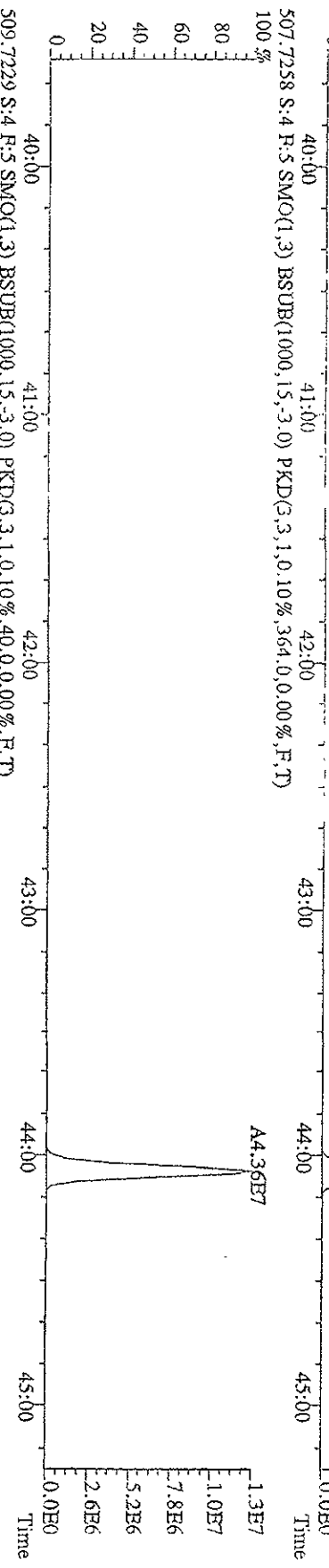
File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC HF+ Voltage SIR Autospec-Ultimate  
 Sample#4 Tex:ST0113C :CS4 09DXN017 Exp:209DB5  
 461.7245 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1952,0,0,00%,F,T)  
 100% A1.50E8



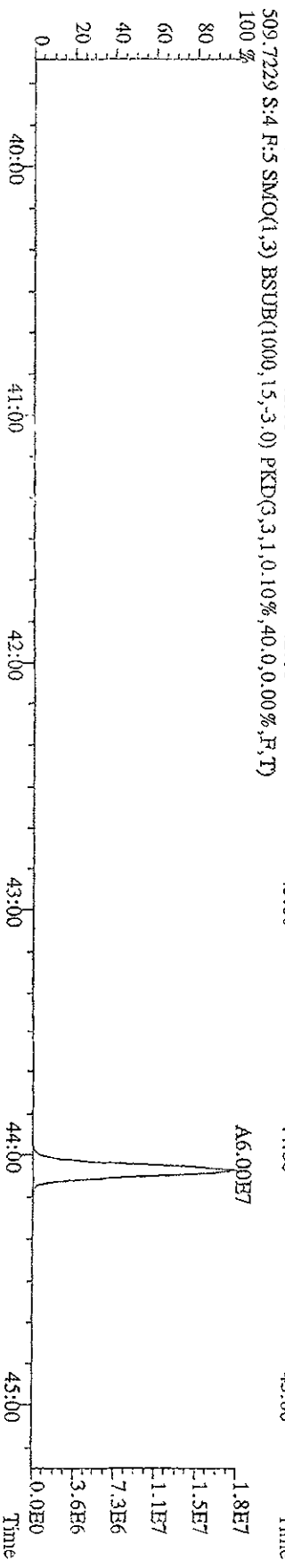
File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage:51R Autospec-UltimaB  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 497.6826 S:4 F:5 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,396,0,0,00%,F,T)  
 100 %



507.7258 S:4 F:5 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,364,0,0,00%,F,T)  
 100 %

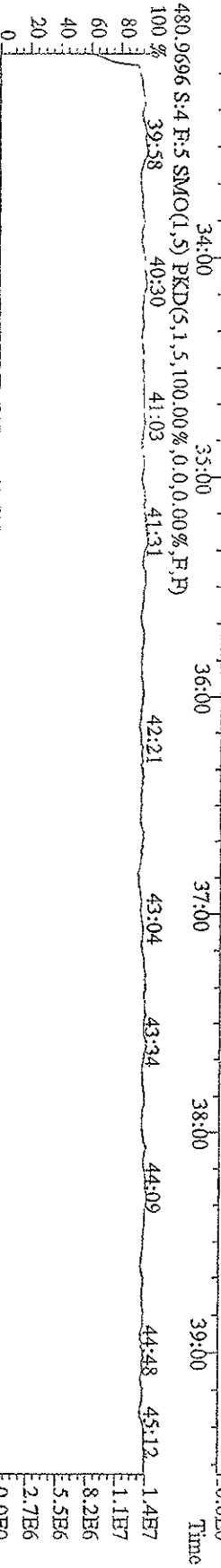
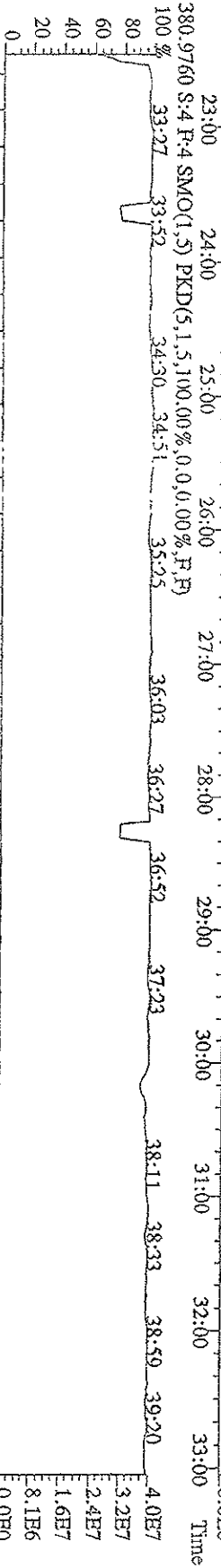
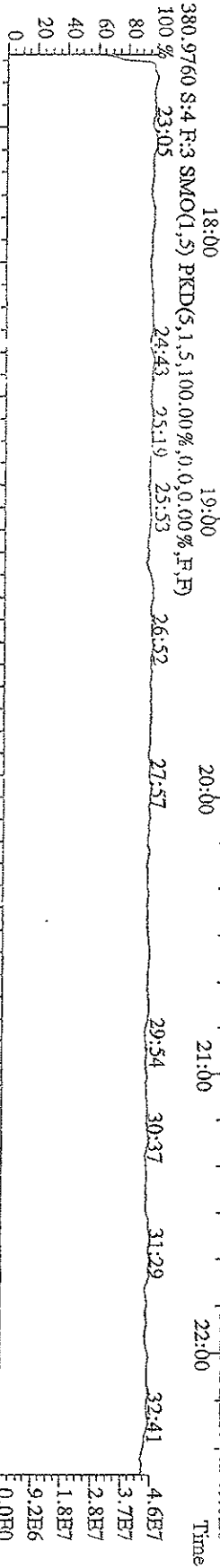
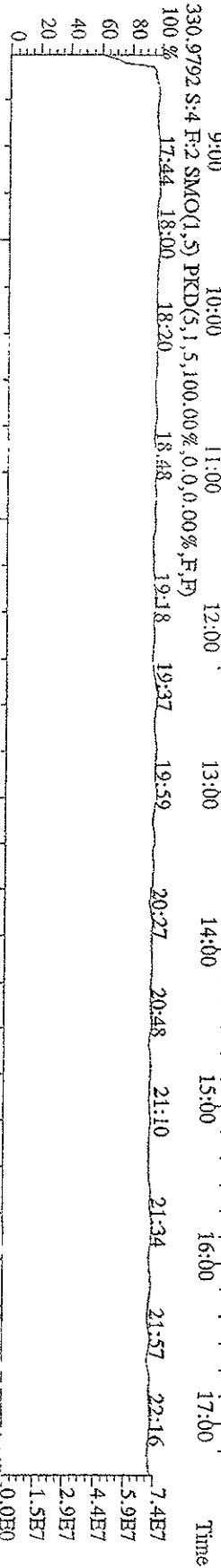
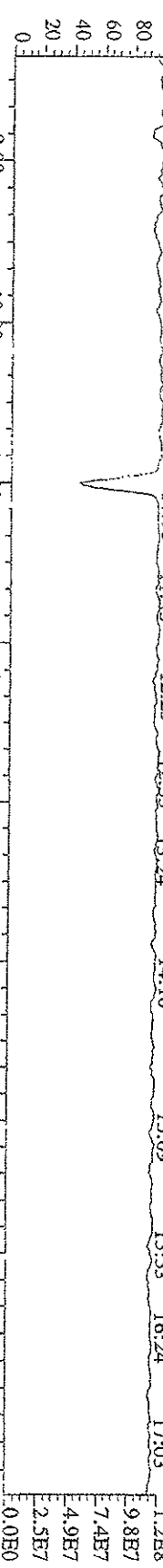


509.7229 S:4 F:5 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,40,0,0,00%,F,T)  
 100 %



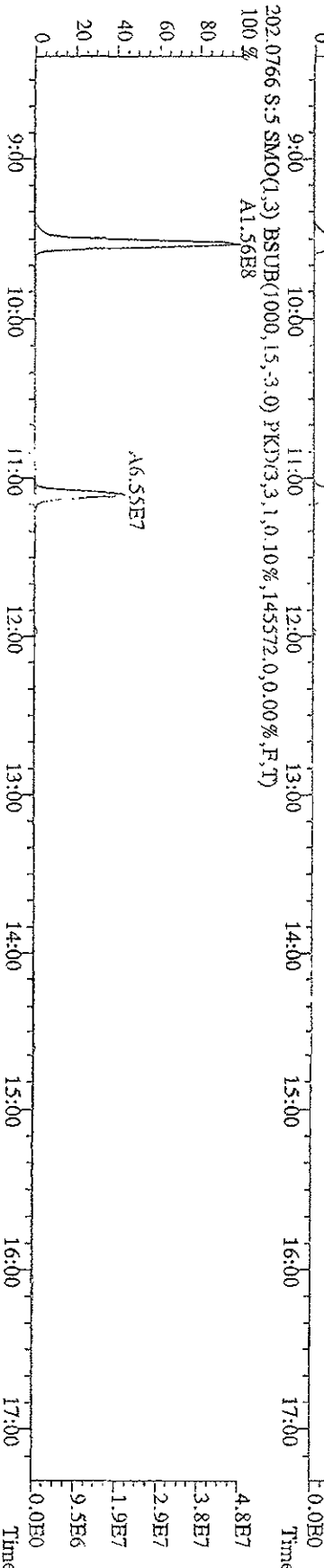
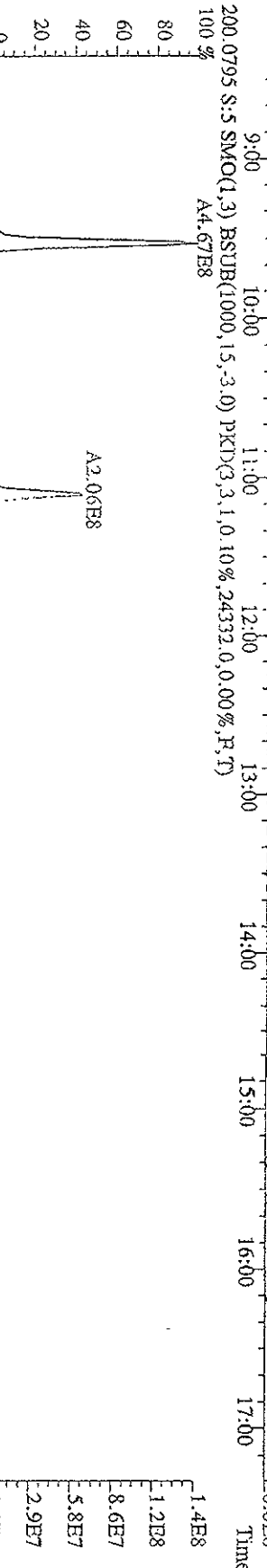
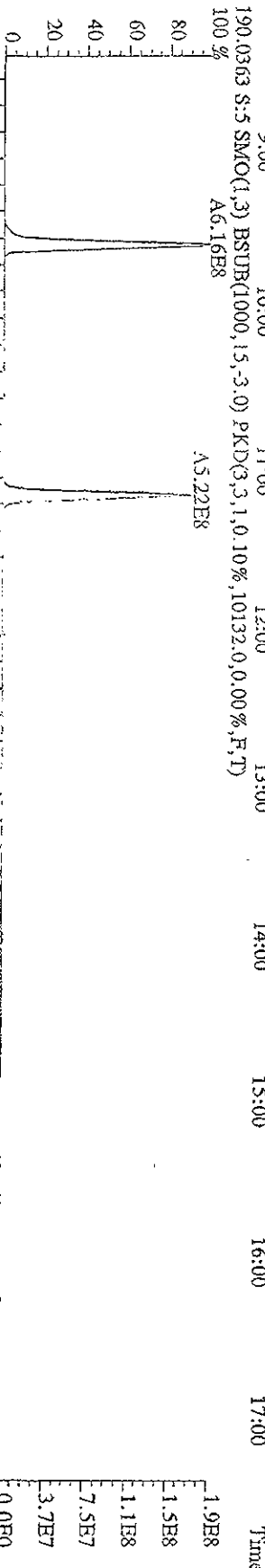
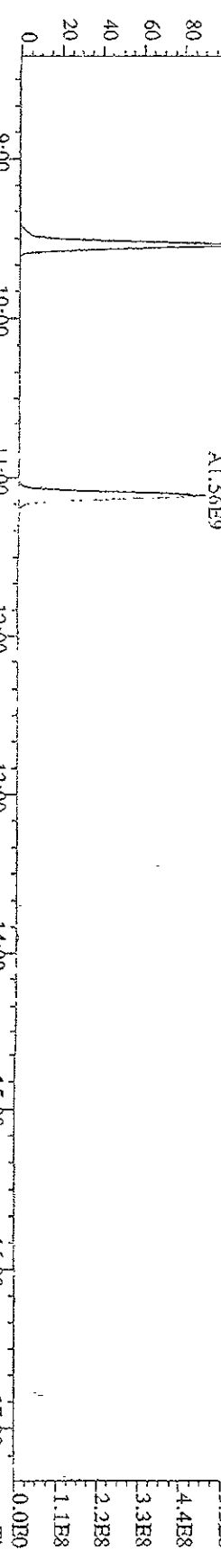
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage S1R Autospec-UltimatP

Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5

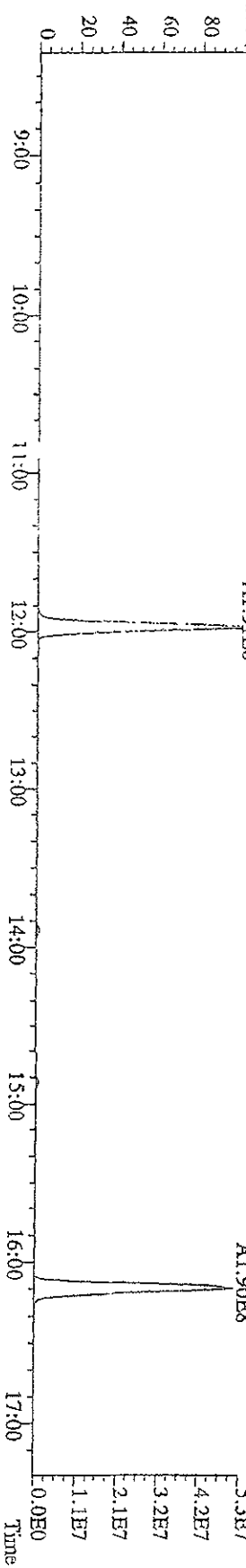
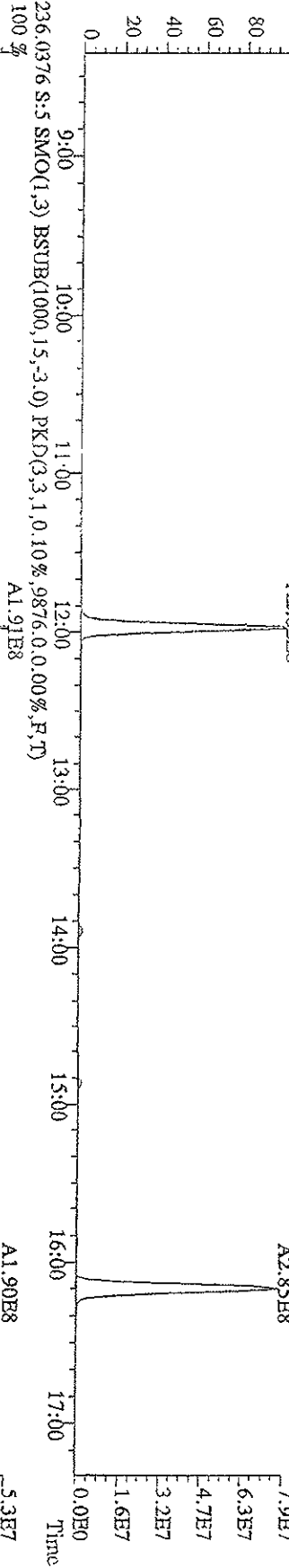
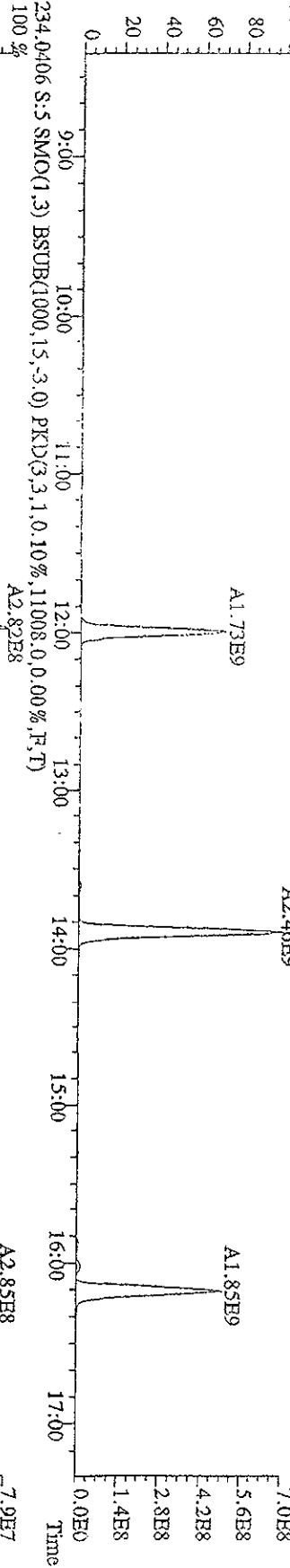
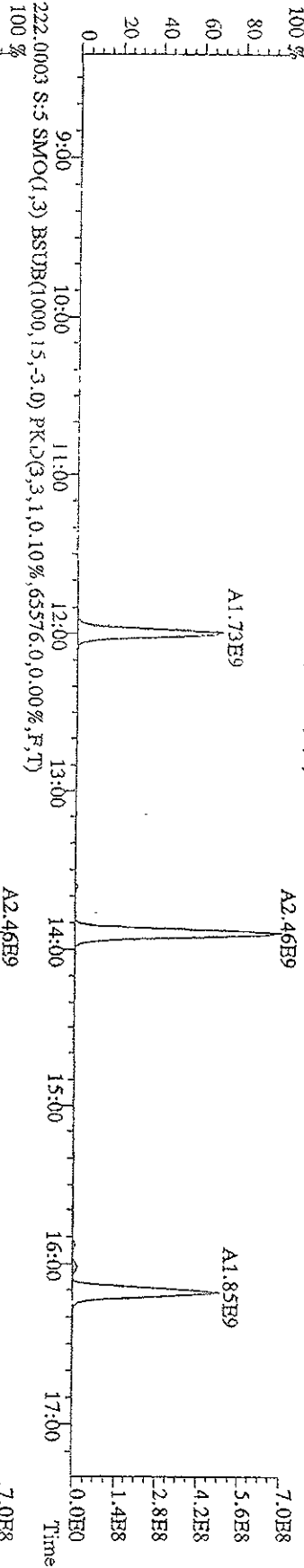




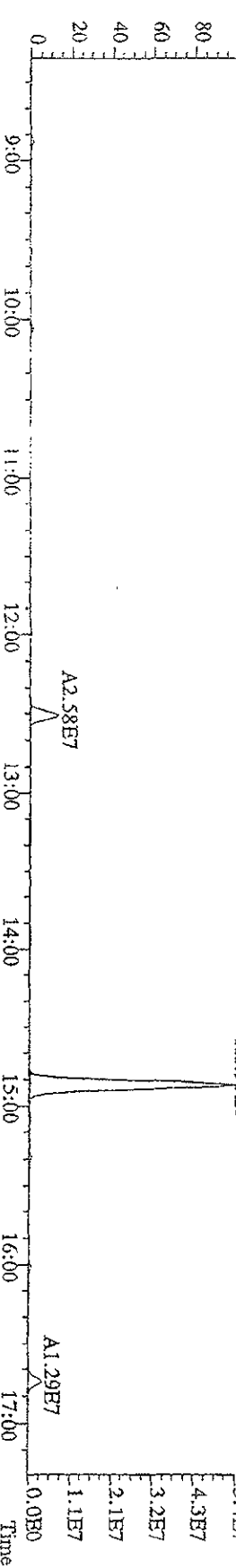
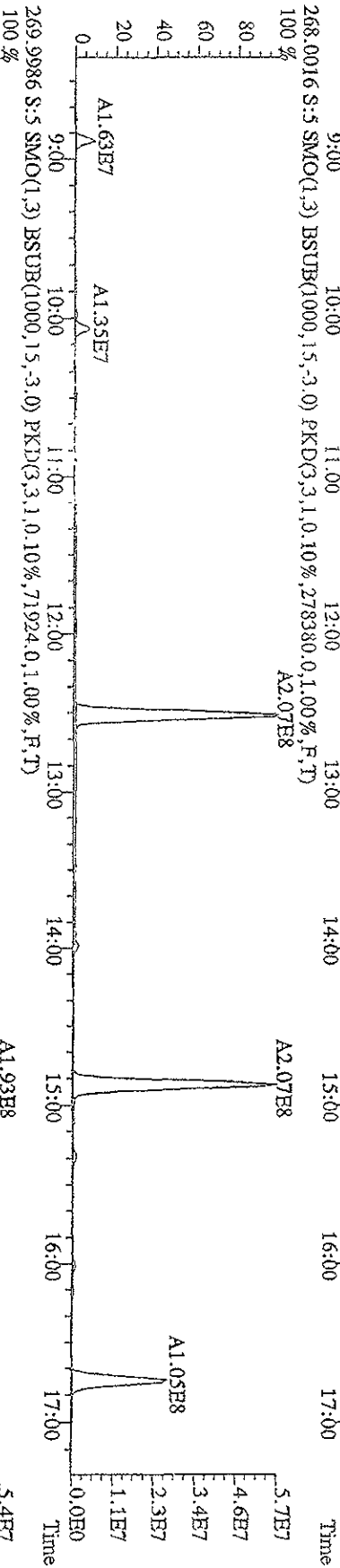
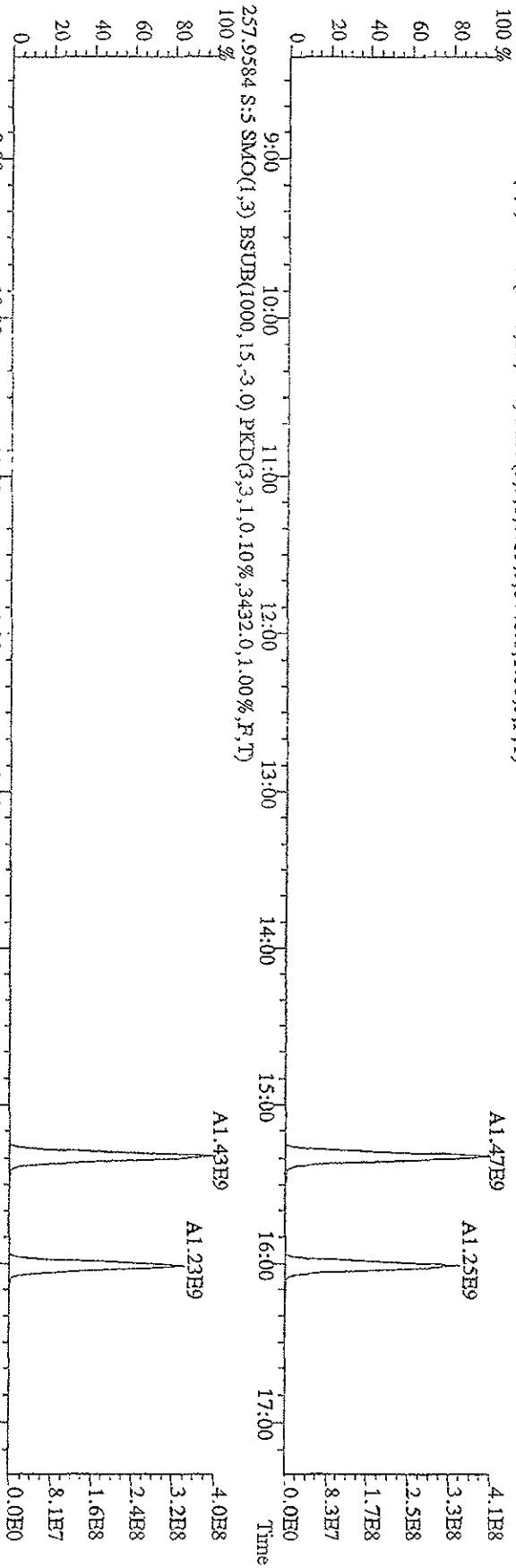
File: 151A09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage:50V S/R Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 188.0393 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,20796,0.0,0.00%,F,T)



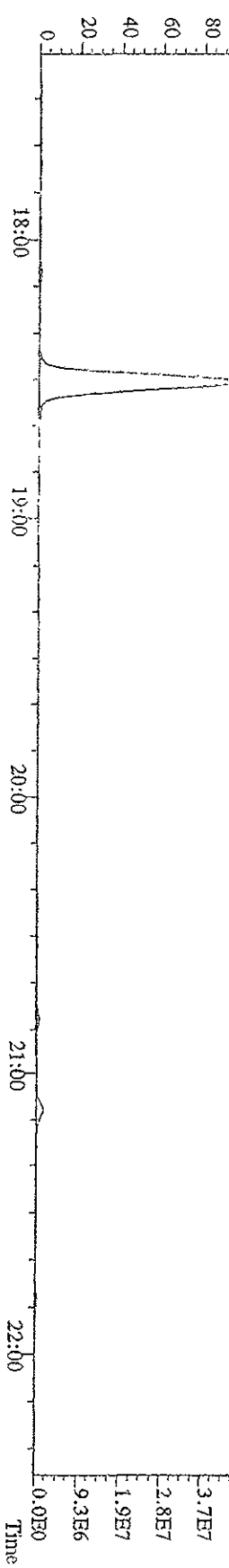
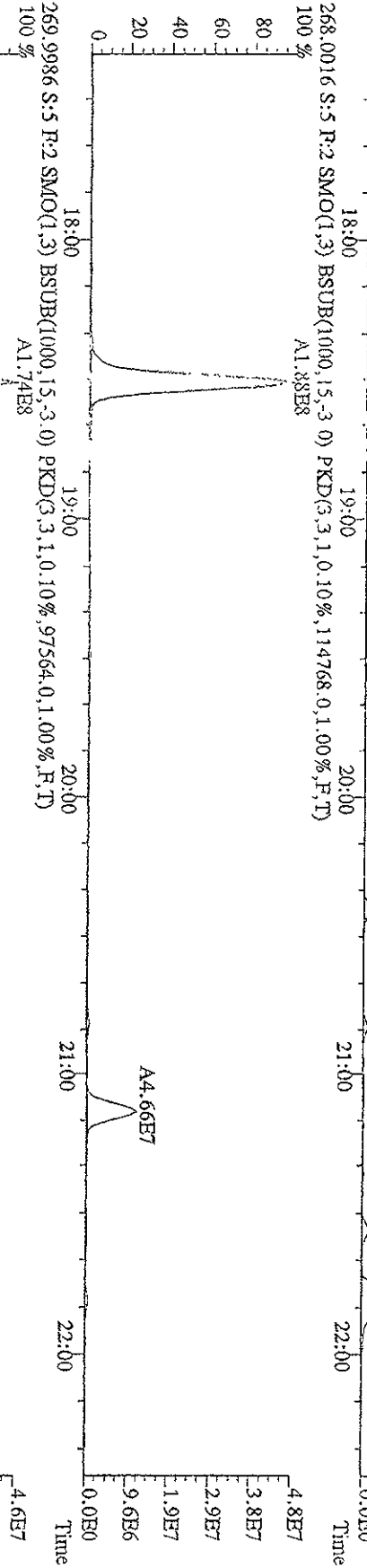
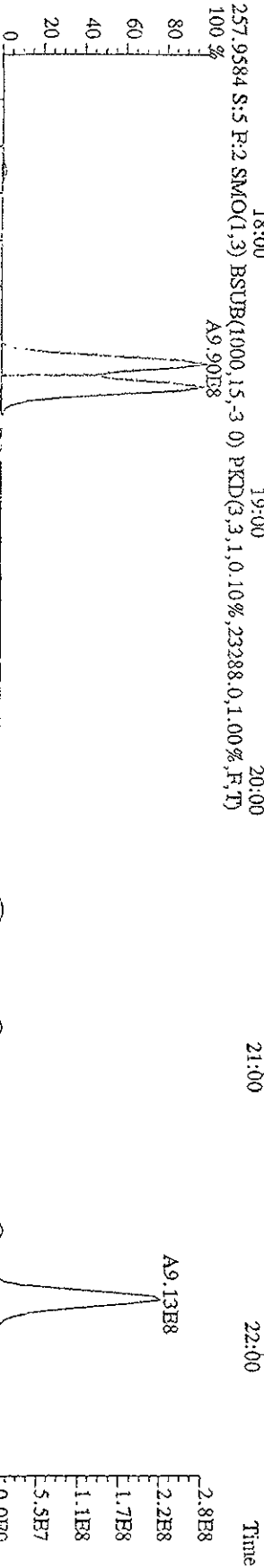
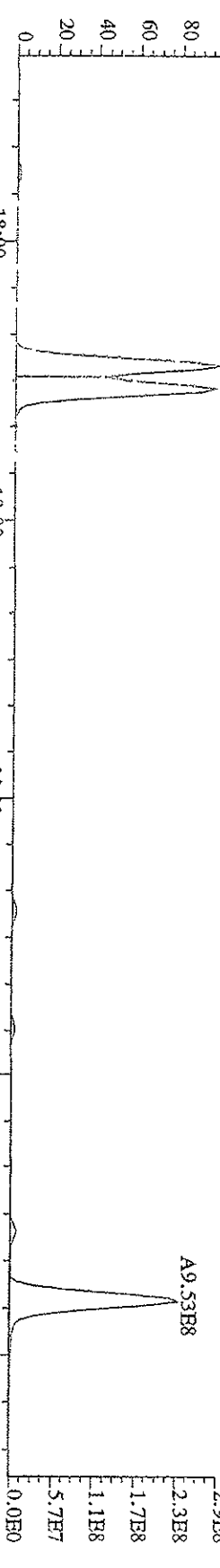
File: 151A09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN918 Exp:209DB5  
 222.0003 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,65576,0,0,00%,F,T)



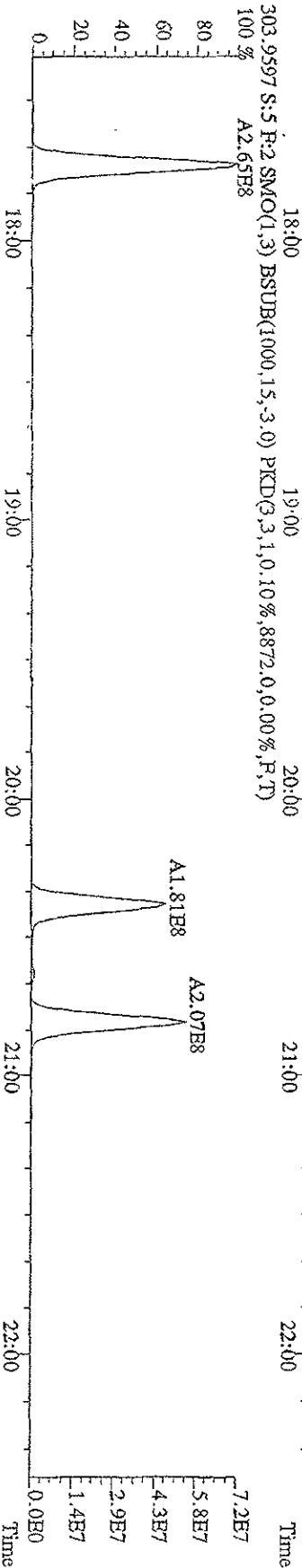
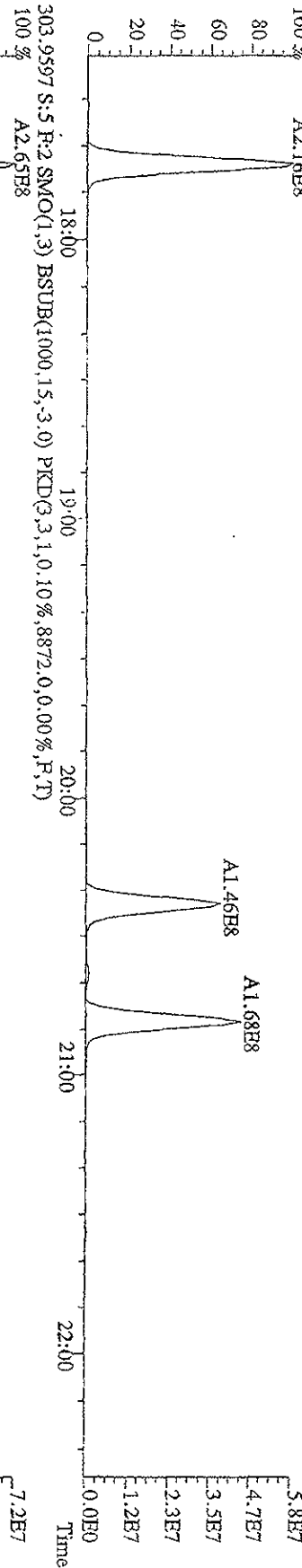
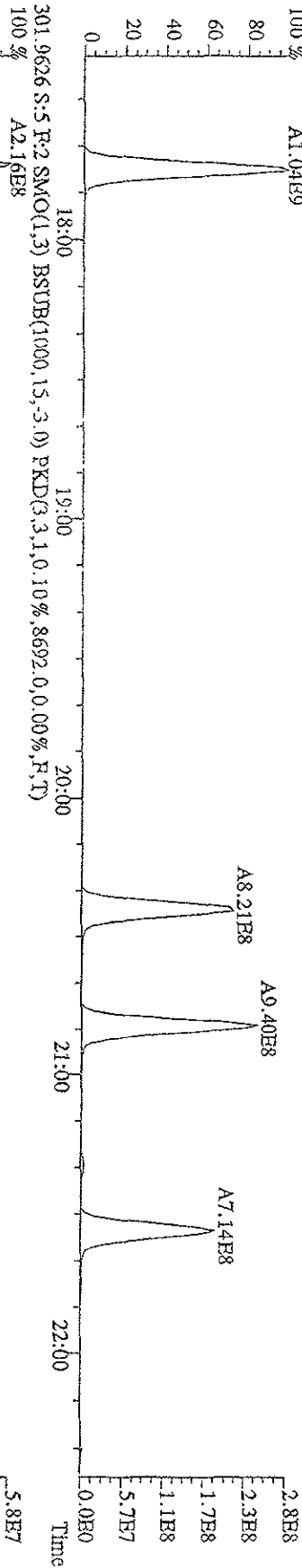
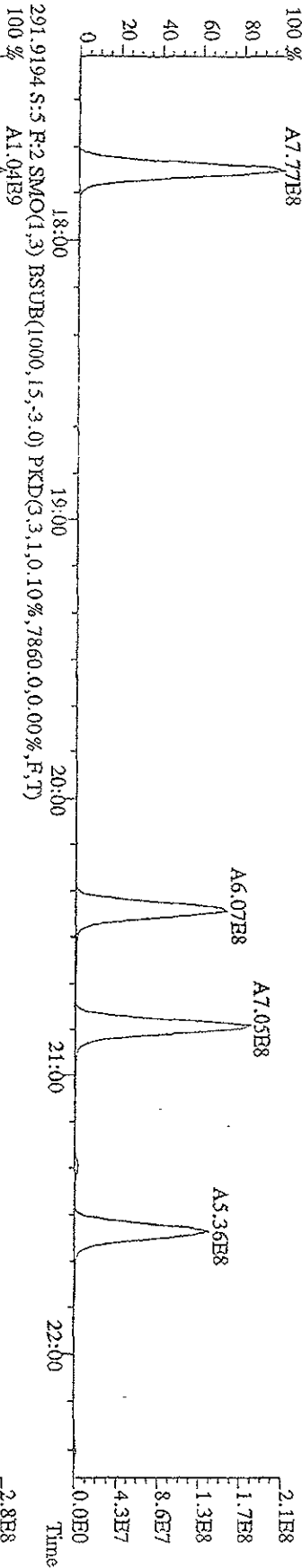
File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage 519 Autospec-Ultimate  
 Sample#5 Text: ST0115D :CS5 09DXN018 Exp: 209DB5  
 257.9584 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3432.0,1.00%,F,T)  
 269.9986 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,71924.0,1.00%,F,T)



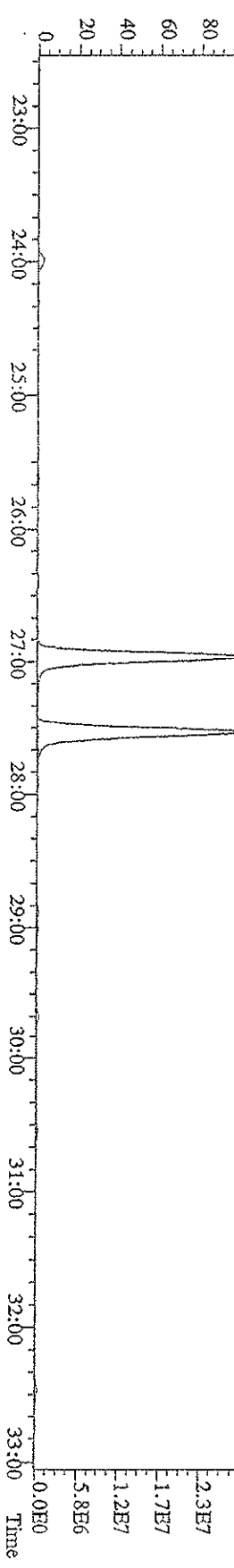
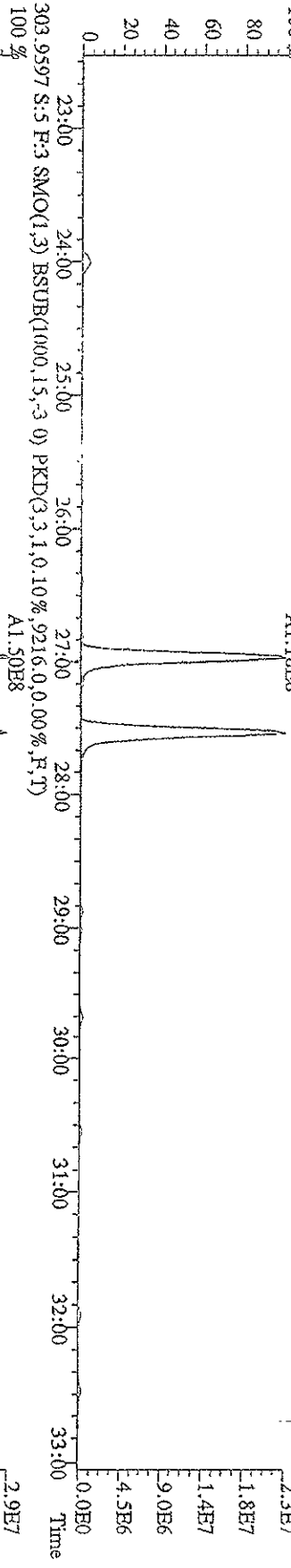
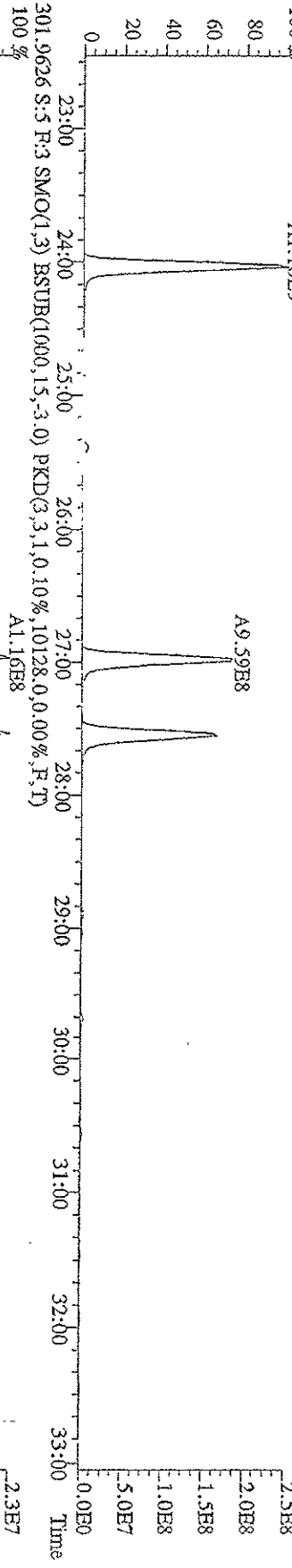
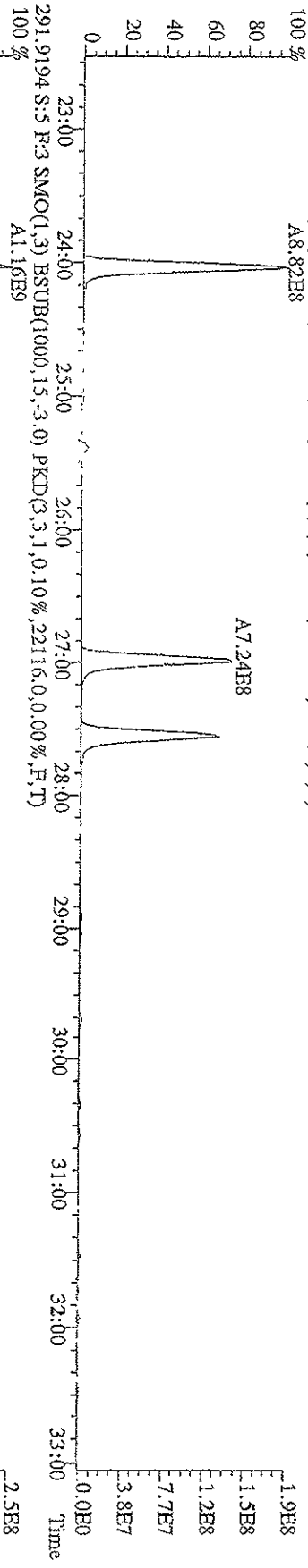
File:15JA09D9D5 #1-371 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 255.9613 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,30152,0,1,00%,F,T)  
 100% A1.02E9



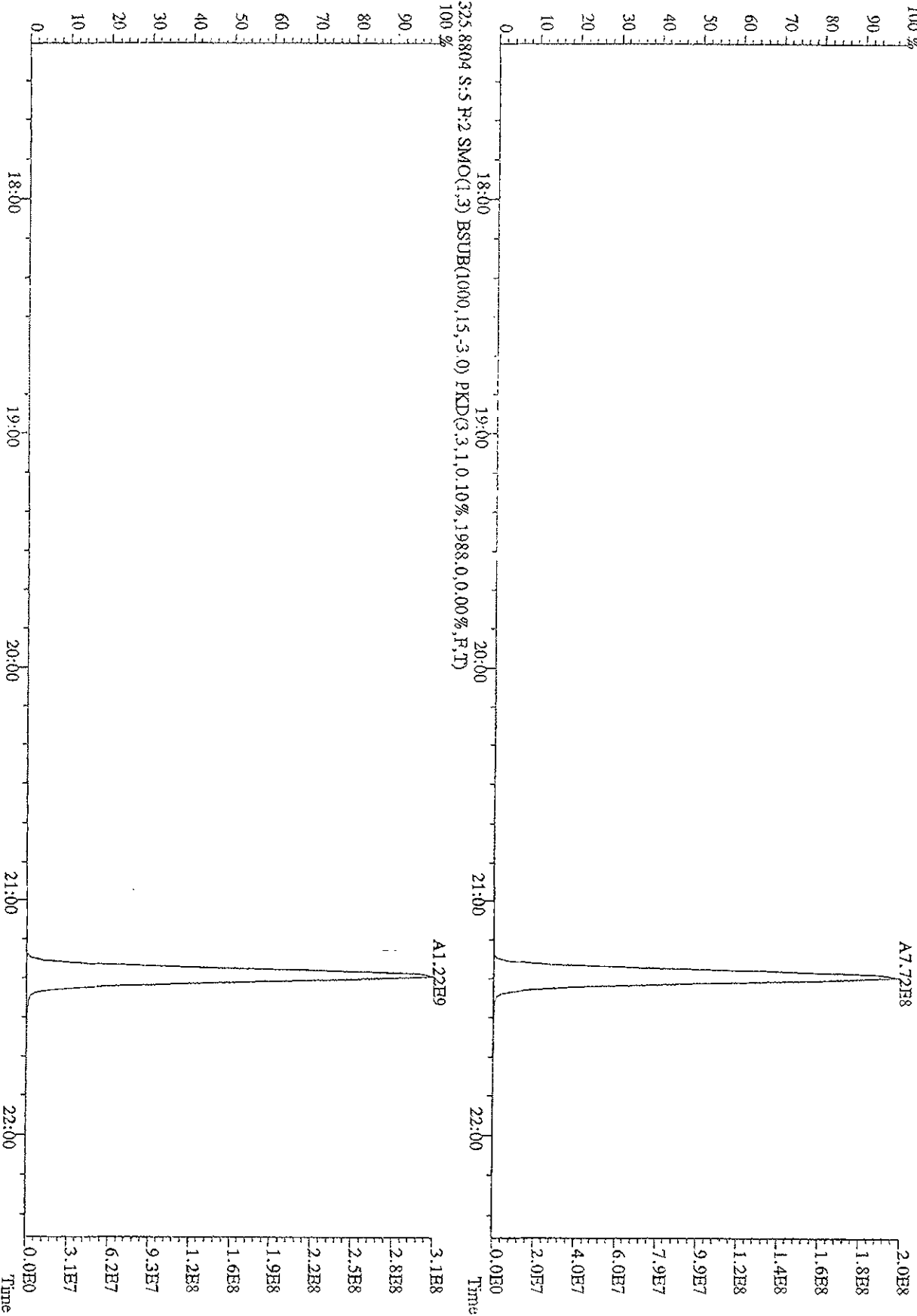
File: 151A09D9D5 #1-371 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage:50V SIR Autospec-UHhmalE  
 Sample#5 Text:ST0115D :CS3 09DXN018 Exp:209DB5  
 289.9224 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,6504,0,0,00%,F,T)



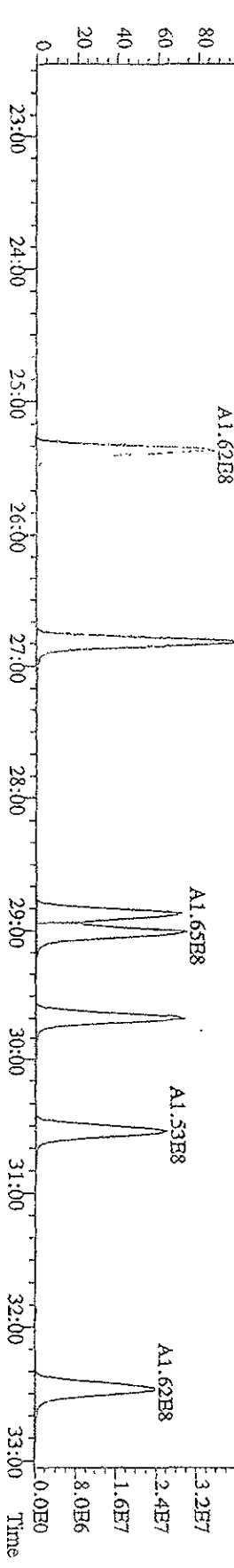
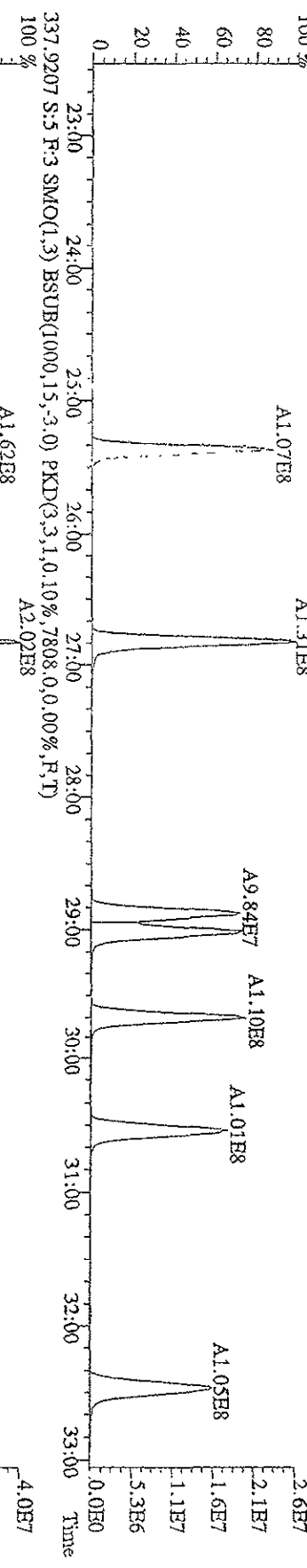
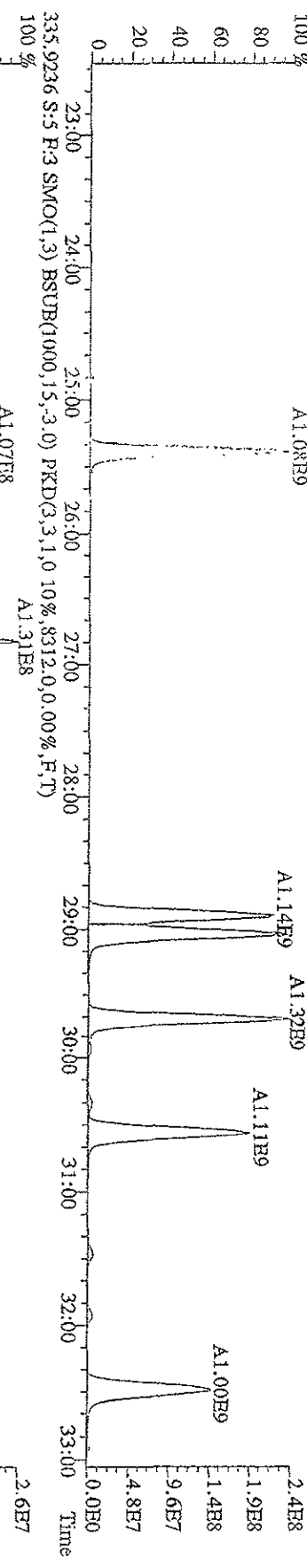
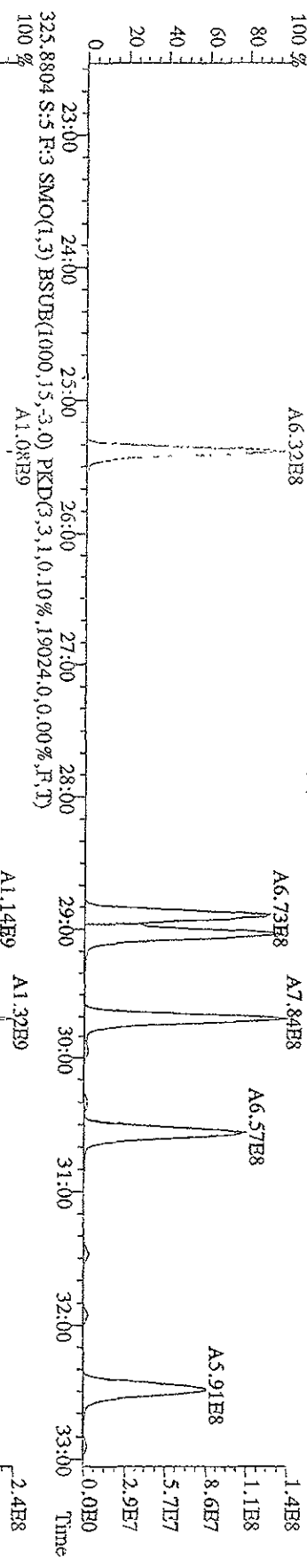
File:151A09D9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,17240,0,0,00%,F,T)  
 100% A8.82E8



File:151A09DD9D5 #1-371 Acq:15-JAN-2009 23:50:45 GC HI+ Voltage STR Autospec-Ultimate  
Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
323.8834 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2580,0,0,00%,F,T)  
100 %

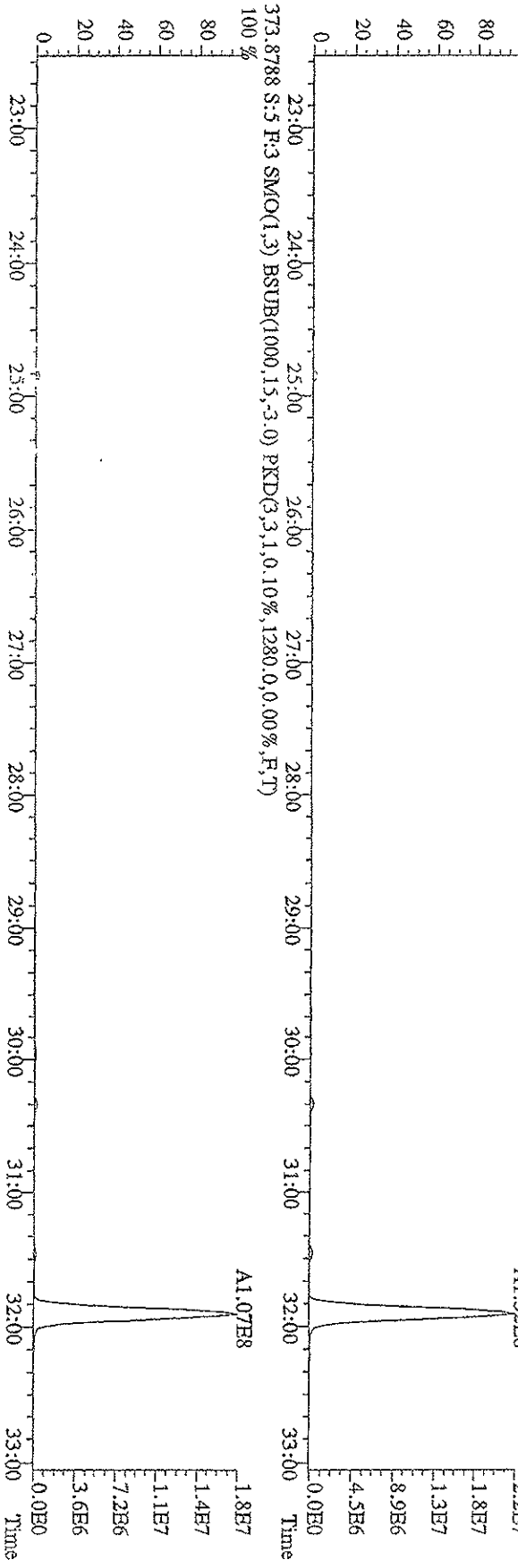
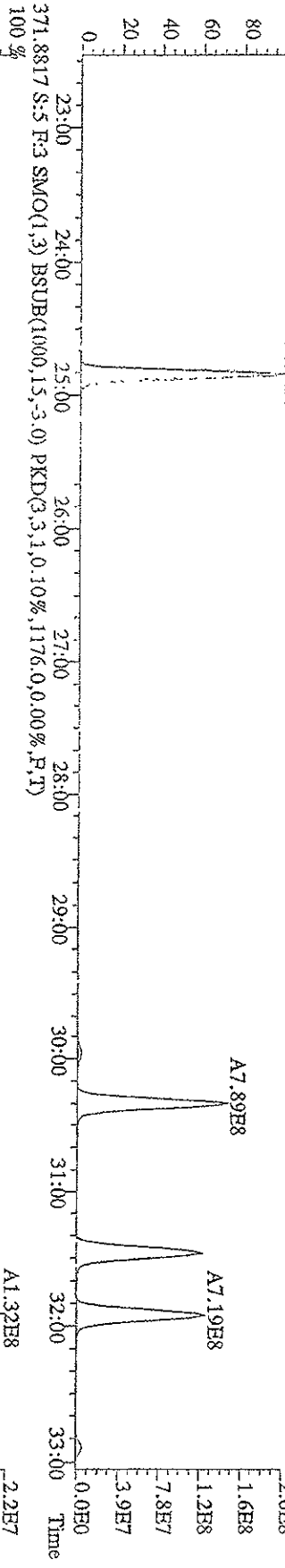
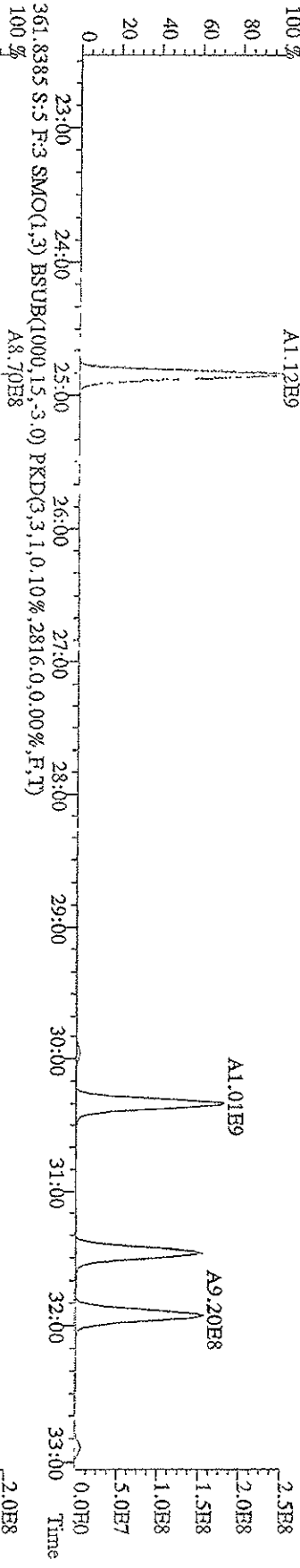


File: 151A09D9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC FID+ Voltage STR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 323.8834 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1.9024,0,0,0.00%,F,T)  
 100% A6.32E8

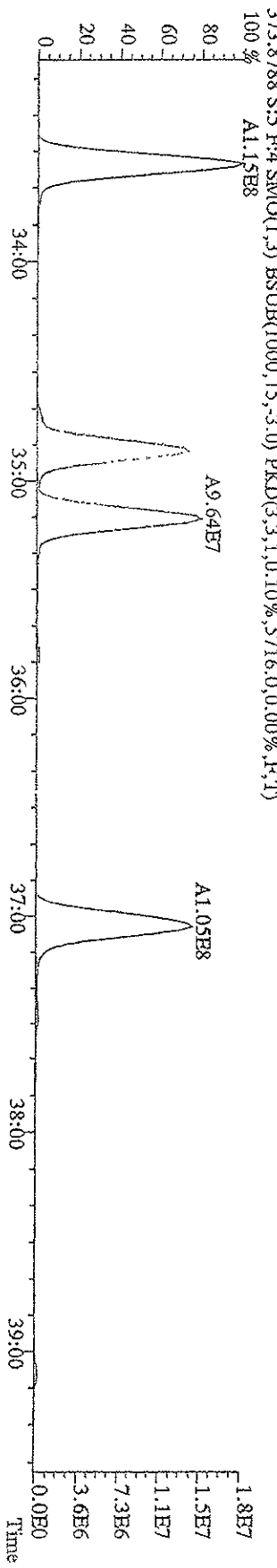
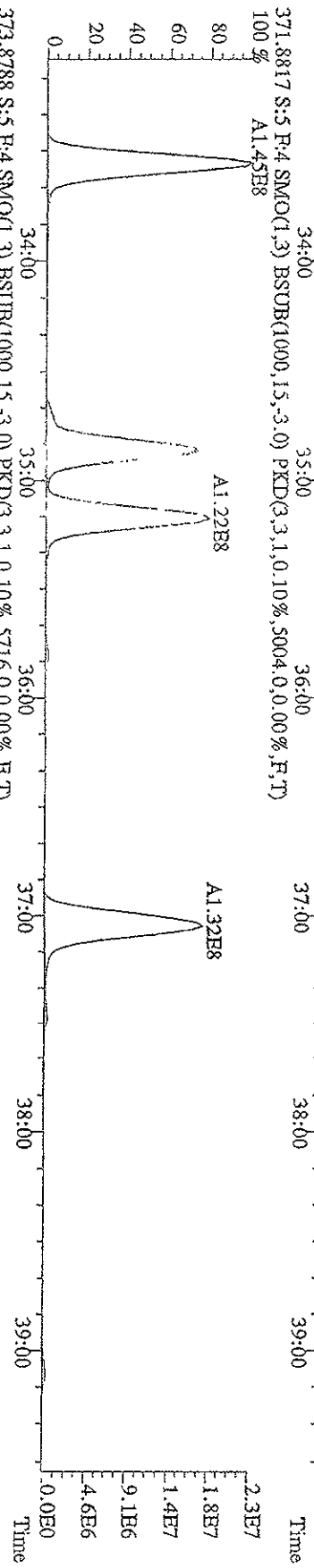
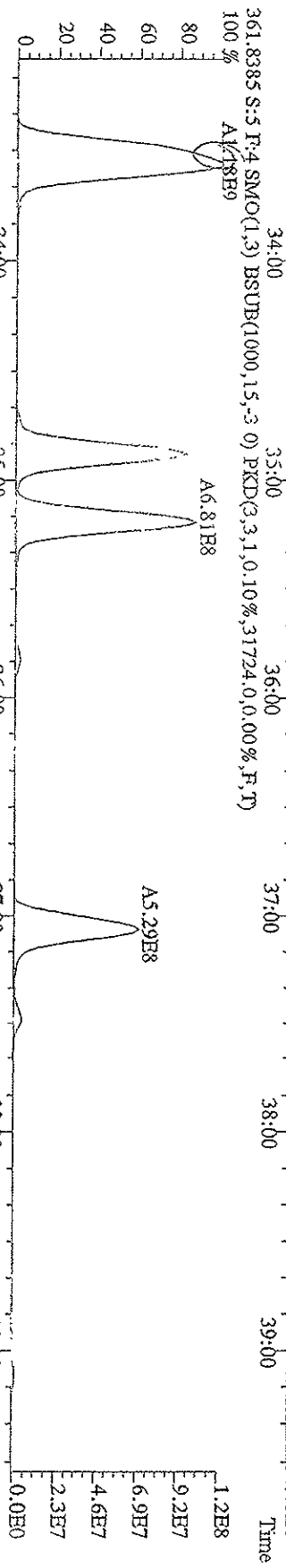
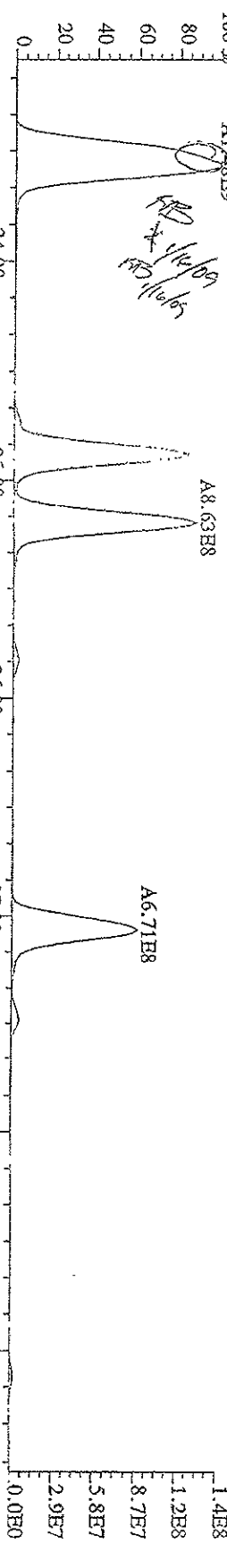




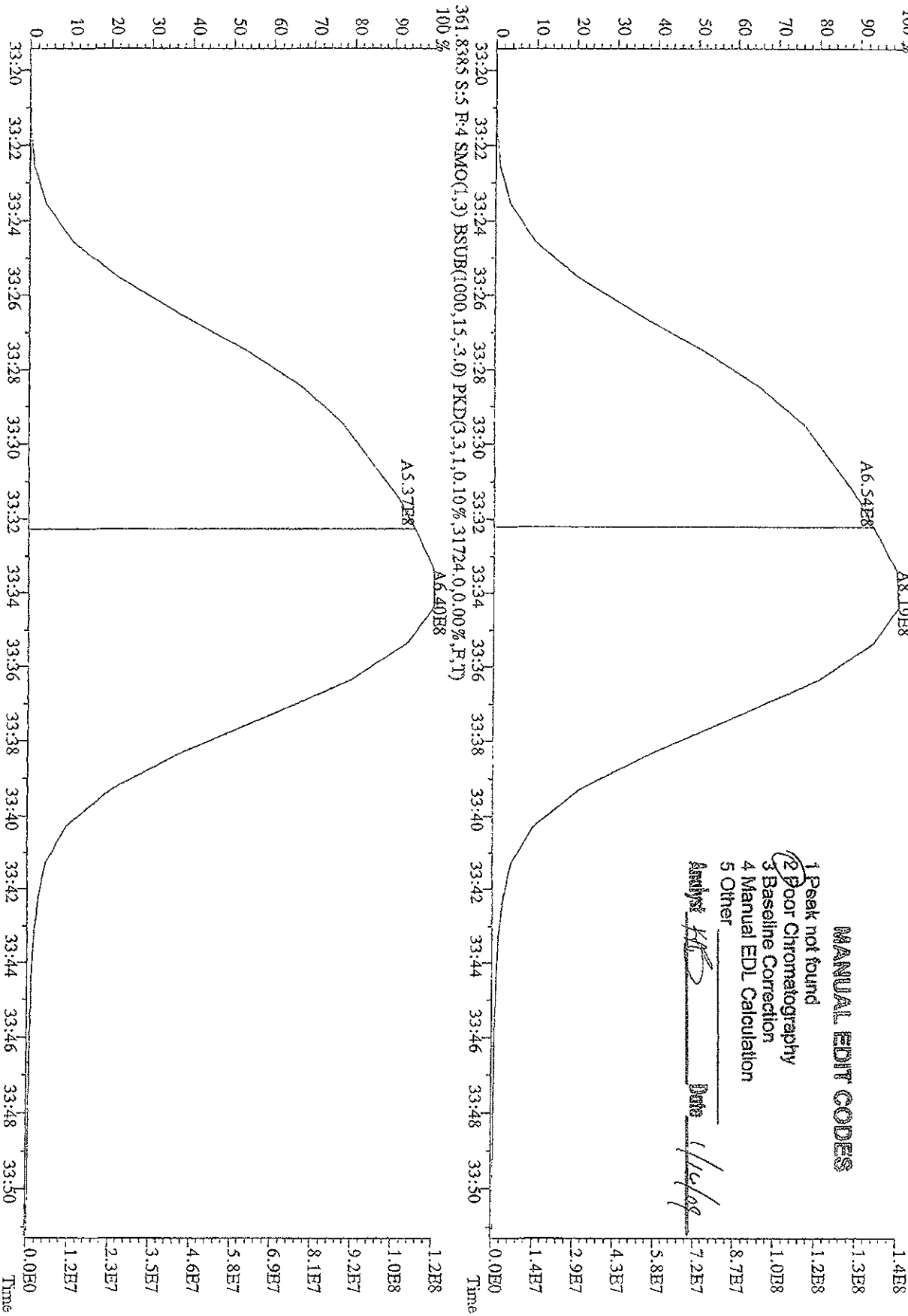
Title: 15JA09D9D5 #1-597 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage: 51V Autospec-UltimaE  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 359.8415 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2788,0,0,00%,F,T) 100%  
 A1.12E9



File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 359.8415 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,45220,0,0,00%,F,T)  
 100% A1.48E9



File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#5 Text: ST0115D :CSS 09DXN018 Exp: 209DB5  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,45220,0,0,00%,F,T)  
 100%

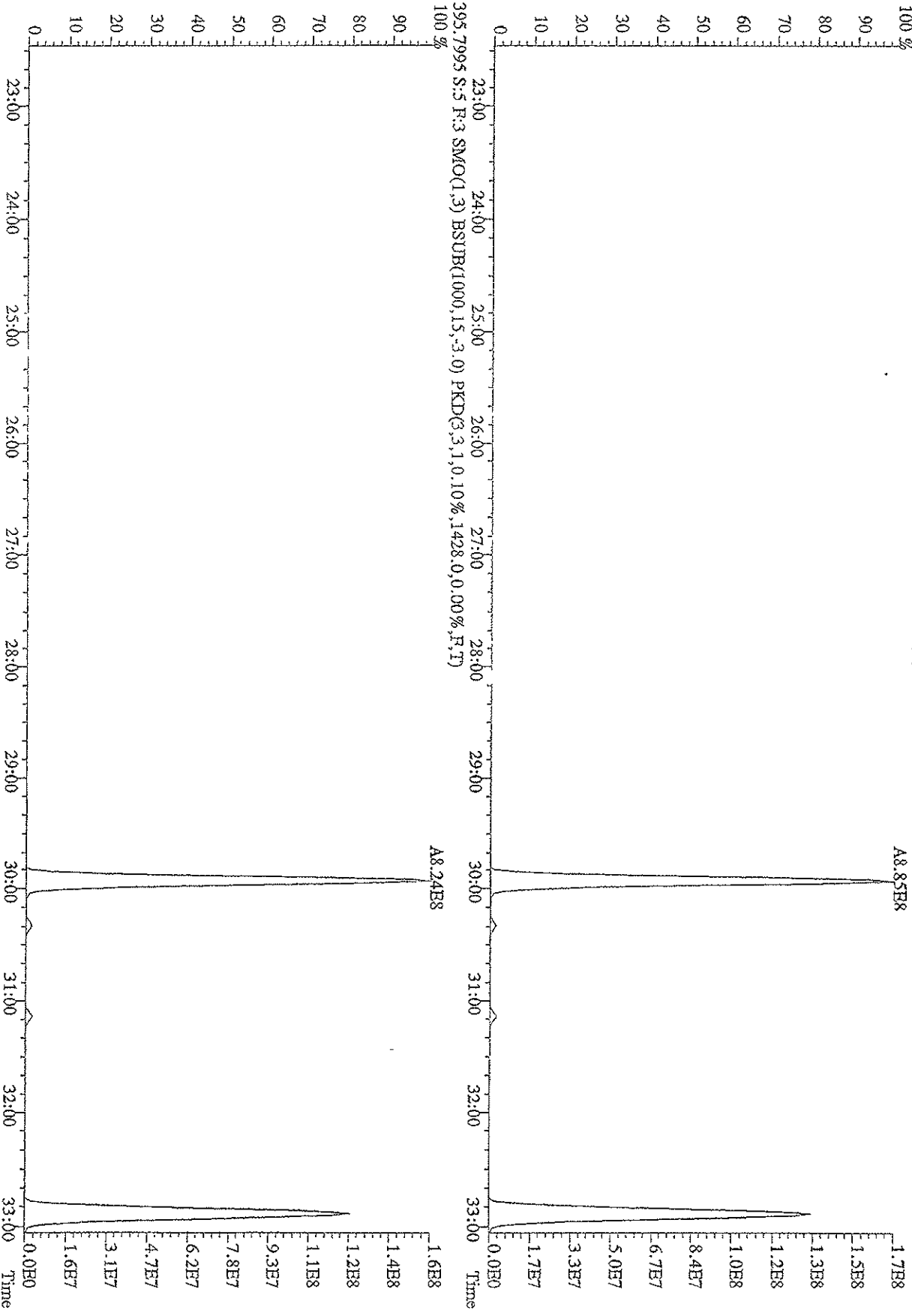


**MANUAL EDIT CODES**

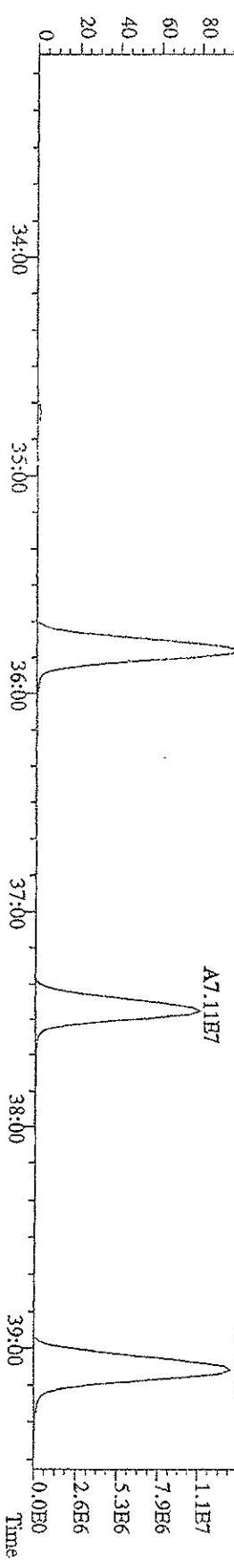
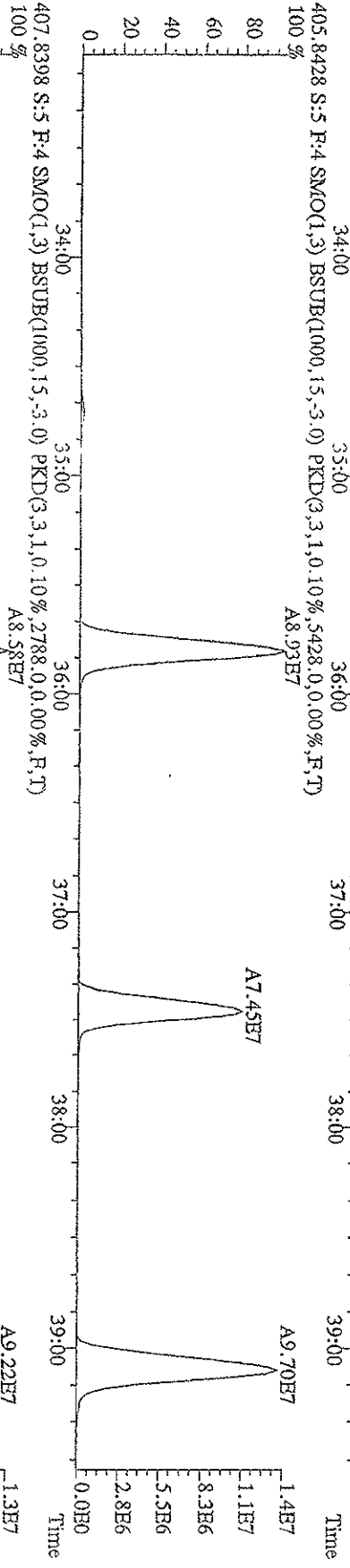
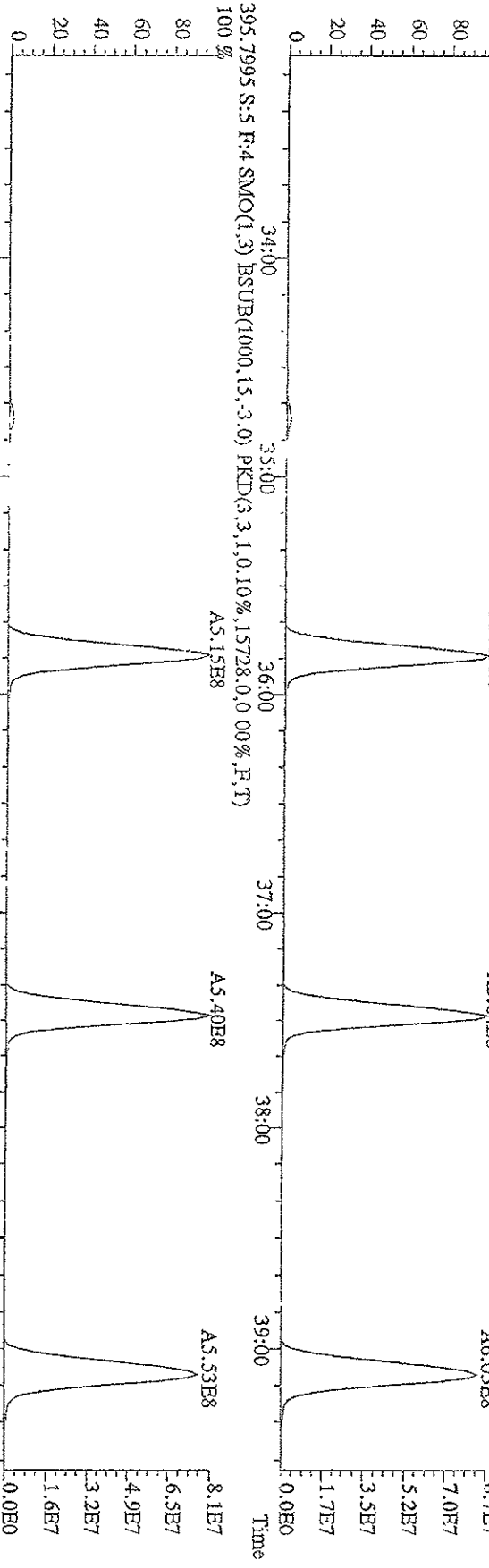
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst: HC Date: 1/16/09

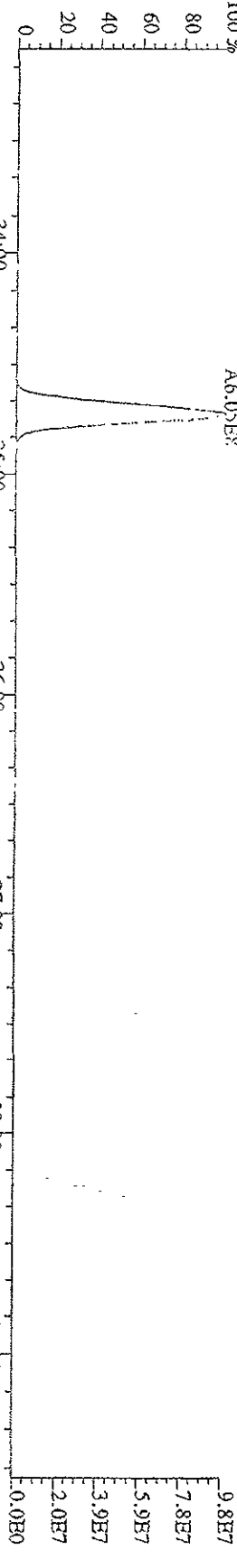
Title: 15J A09D9D5 #1-597 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UHmanE  
 Sample#5 Text:ST011SD :C55 09DXN018 Exp:209DB5  
 393.8025 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4844,0,0,00%,F,T)  
 100 %



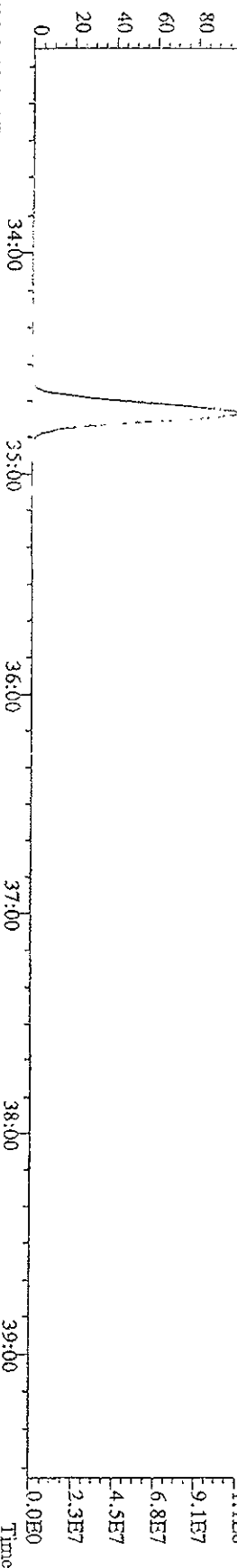
File: 151A09DD9DB5 #1-395 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ulmanaf  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 393.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,20836,0,0,00%,F,T)  
 100 %



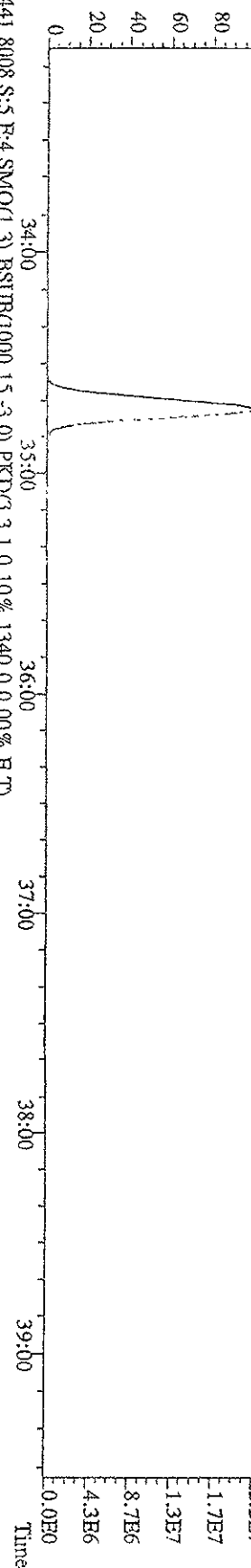
File:151A09D9D5 #1-395 Acq:15-JAN-2009 23:50:45 GC FI+ Voltage SIR Autospec-UltimaB  
 Sample#5 Text:ST011SD :CSS 09DXN018 Exp:209DB5  
 427.7635 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1488.0,0.00%,F,T)  
 100% A6.03E8



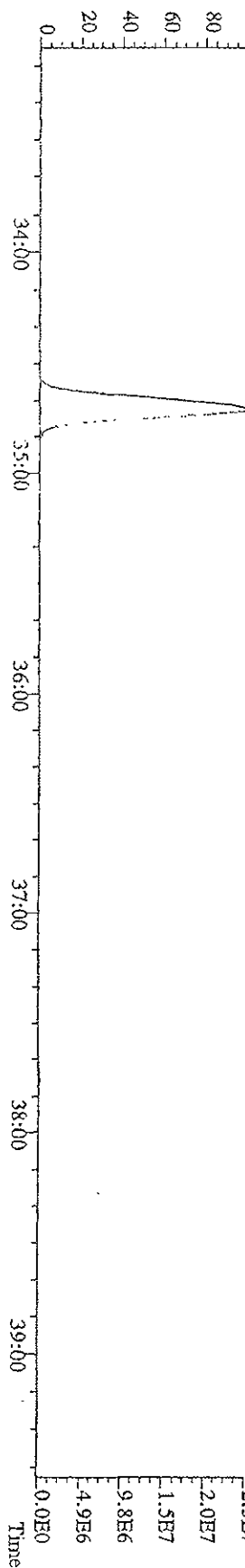
429.7606 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4000.0,0.00%,F,T)  
 100% A6.94E8



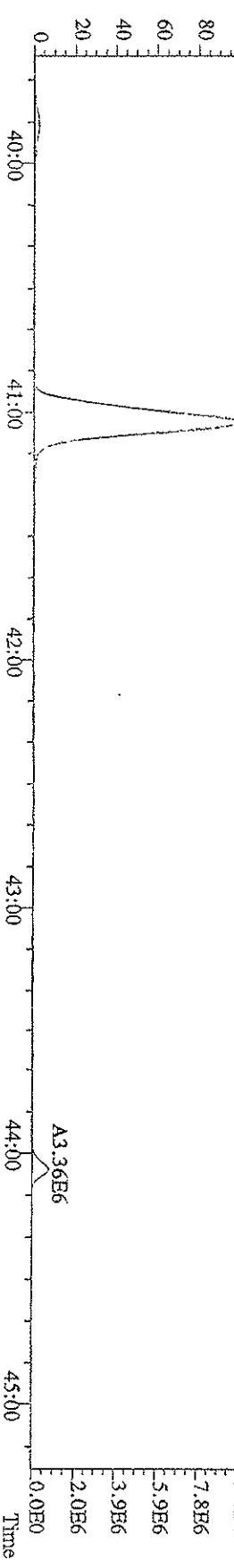
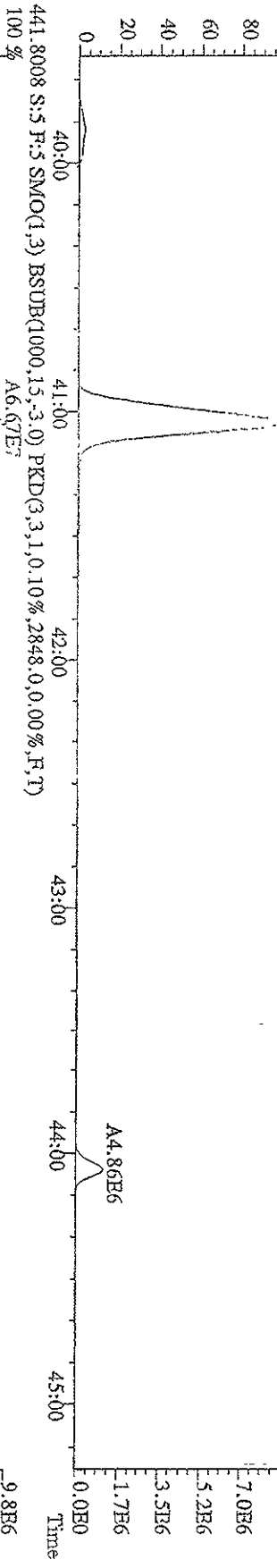
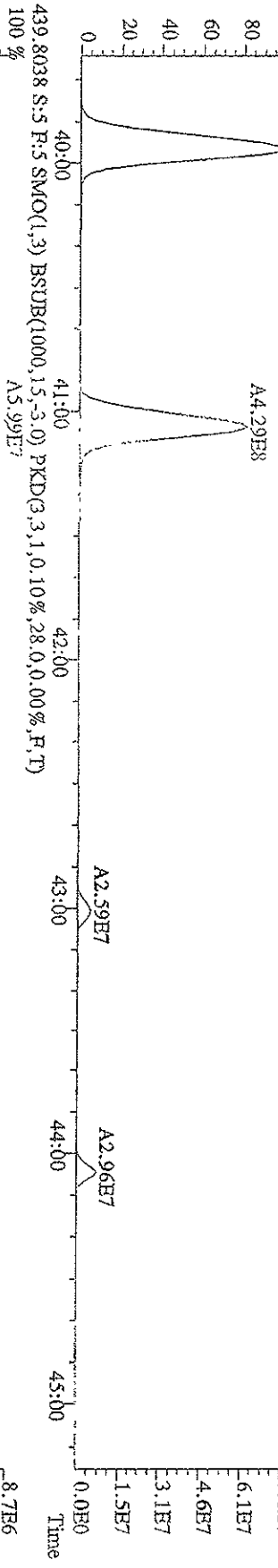
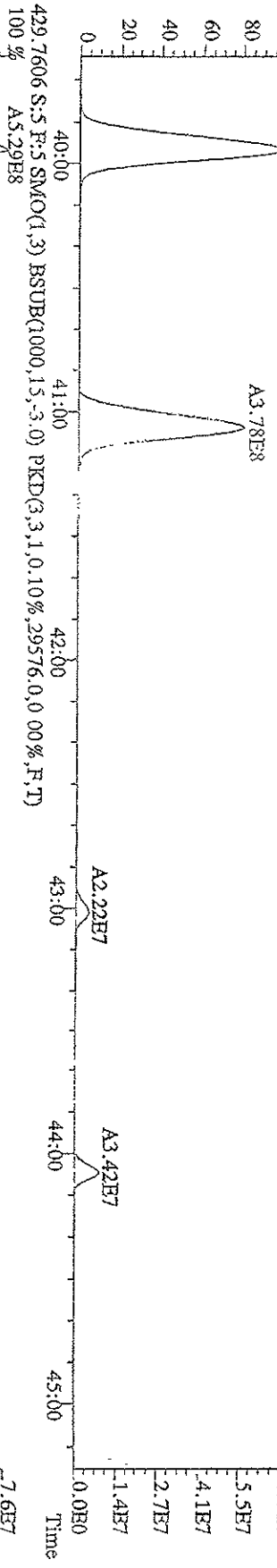
439.8038 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,152.0,0.00%,F,T)  
 100% A1.34E8



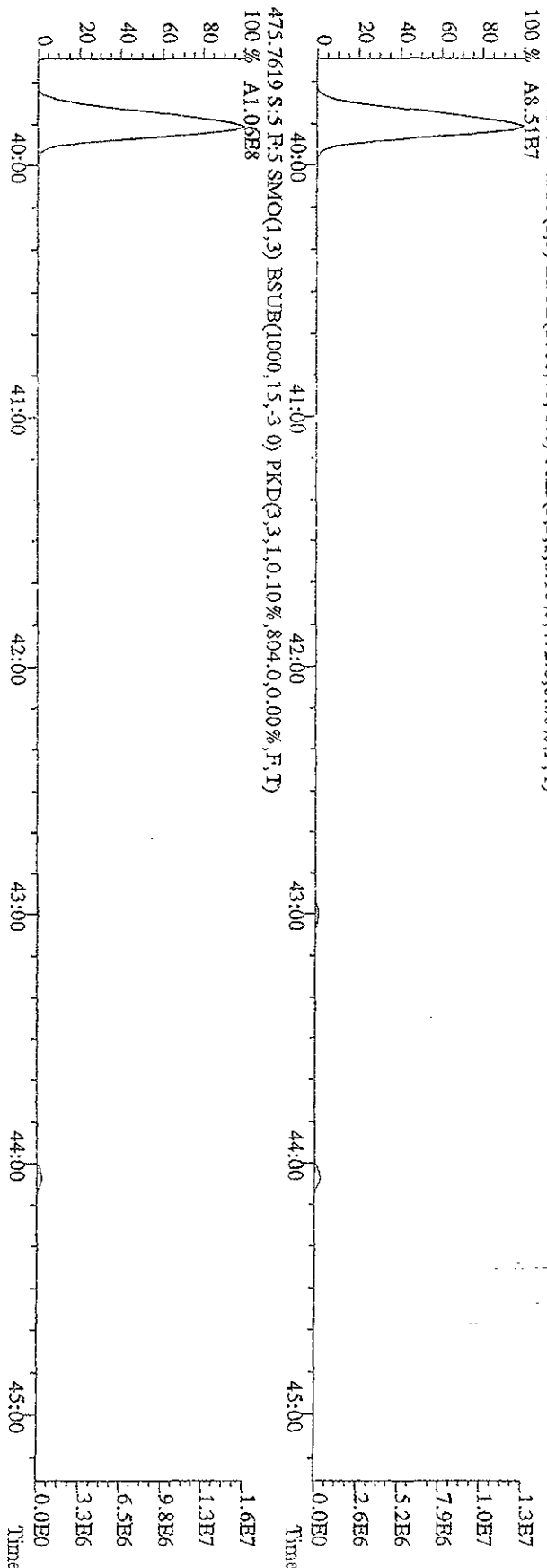
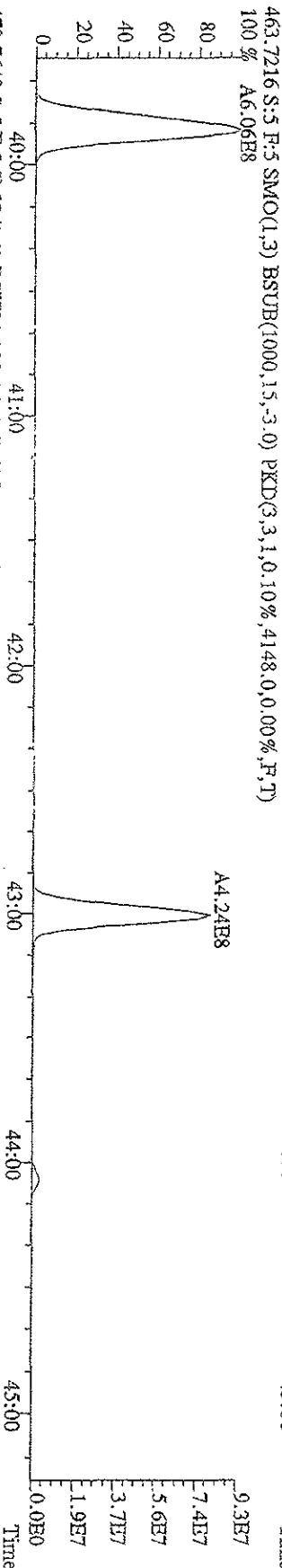
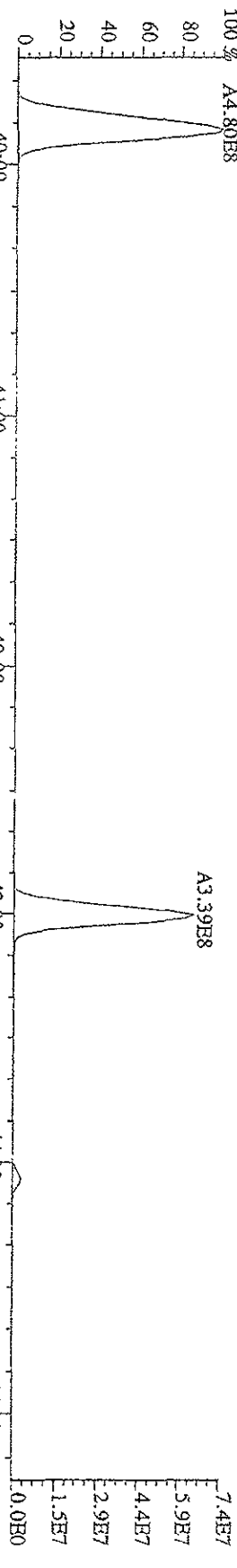
441.8008 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1340.0,0.00%,F,T)  
 100% A1.54E8



Title: [15] A09DD9D5 #1-378 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage: 519V Autospec-Ultimate  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 429.7606 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,28.0,0.00%,F,T)  
 100% A4.67E8

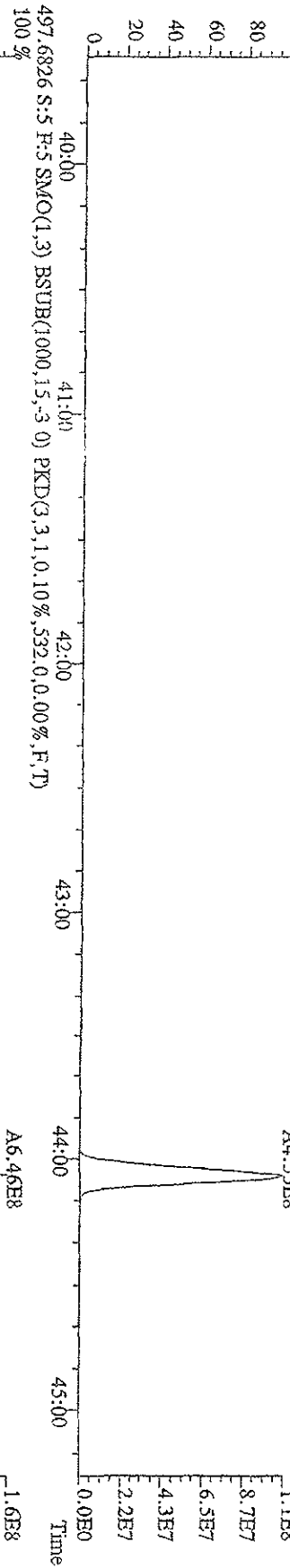


File:151A09D9D5 #1-378 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage STR Autospec-UltimaB  
 Sample#5 Text:ST0115D :CSS 09DDXN018 Exp:209DB5  
 463.7245 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3072.0,0.00%,F,T)  
 100% A4.80E8

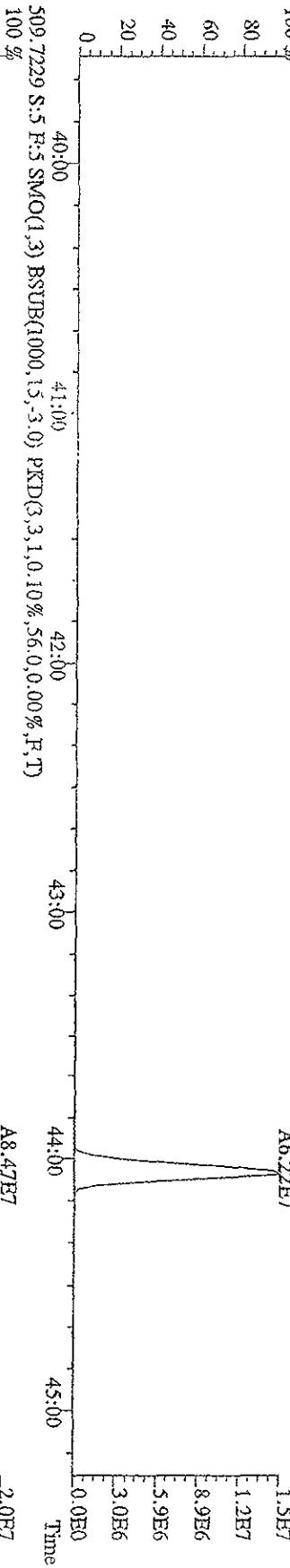




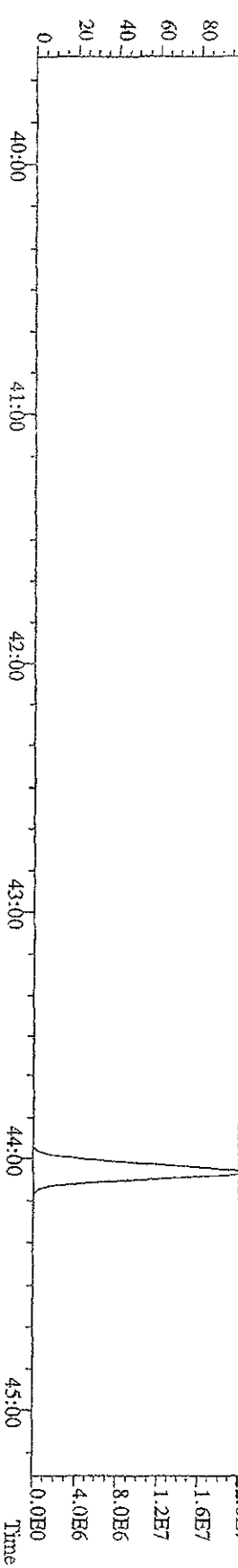
File: 151A09D9D5 #1-378 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage: 519V Autospec: Ultimate  
 Sample#5 Text: S10115D : CSS 09DXN018 Exp: 209DB5  
 497.6826 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,532,0,0,00%,F,T)  
 100%



507.7258 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,120,0,0,00%,F,T)  
 100%

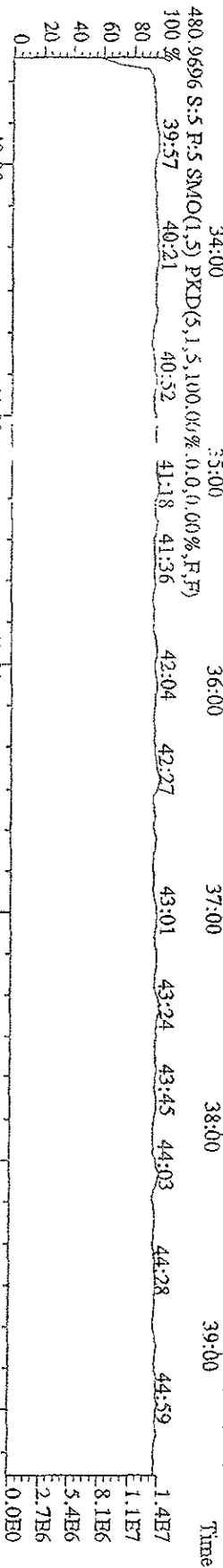
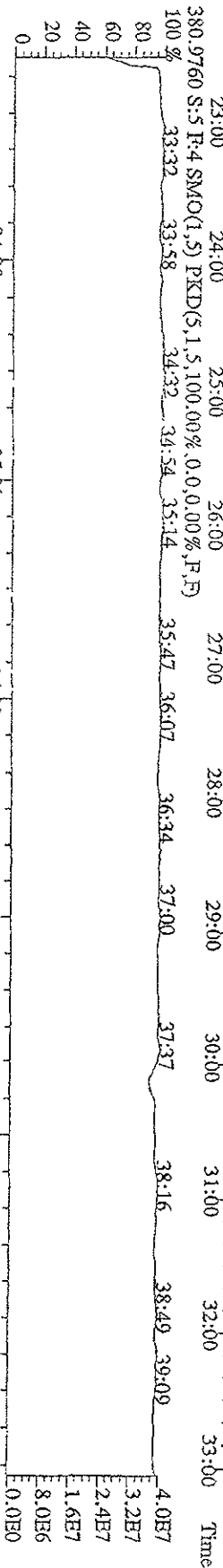
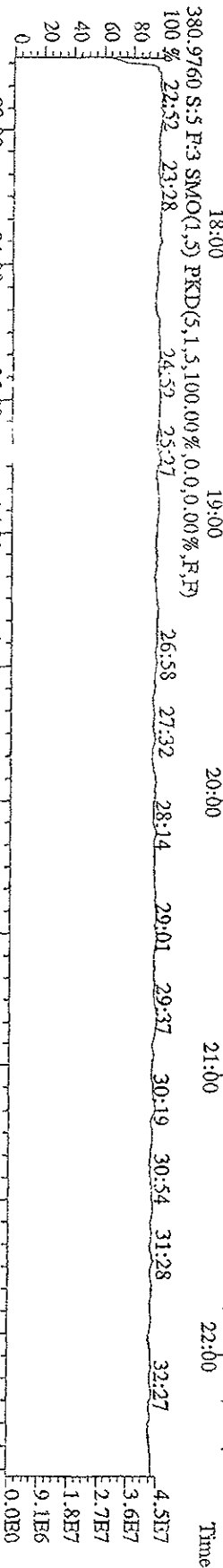
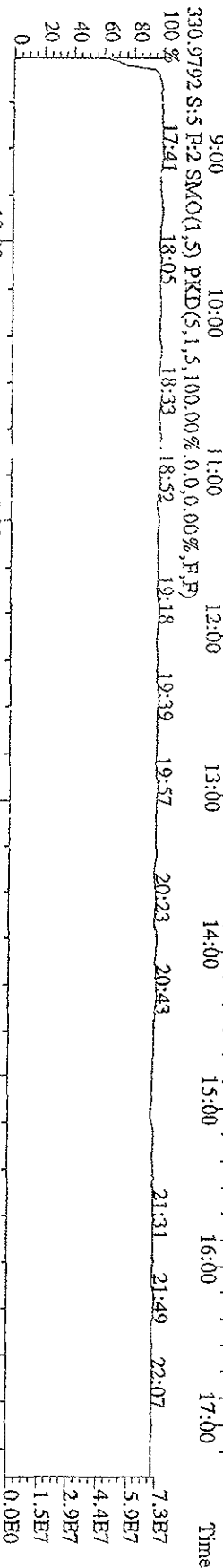


509.7229 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,56,0,0,00%,F,T)  
 100%



File: I51A09D9D5 #1-609 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage STR Autospec-UltimaE

Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5



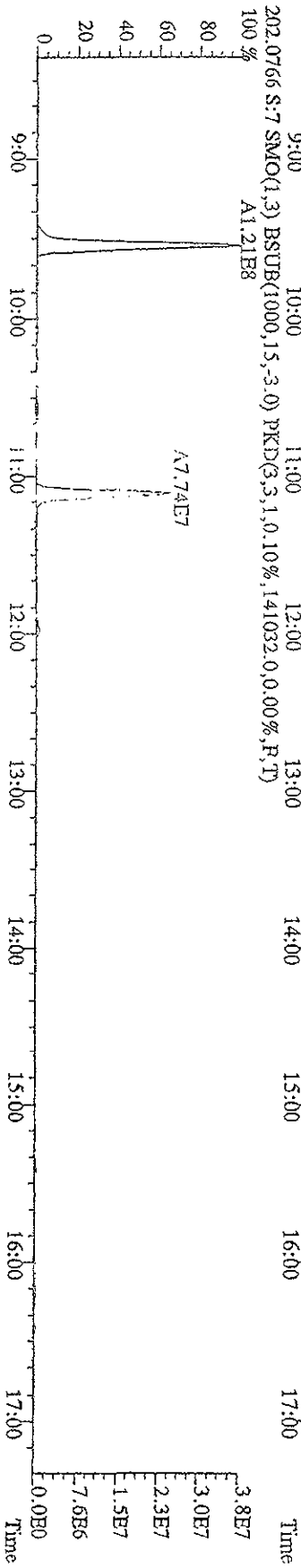
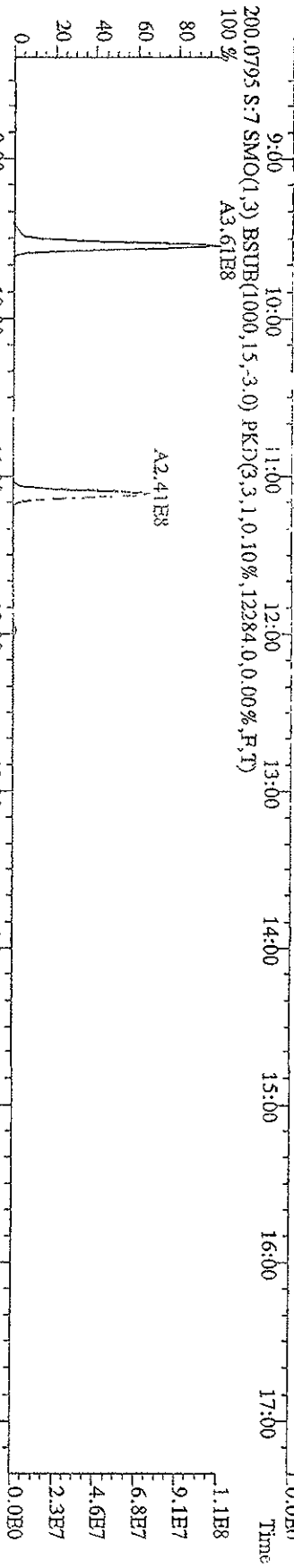
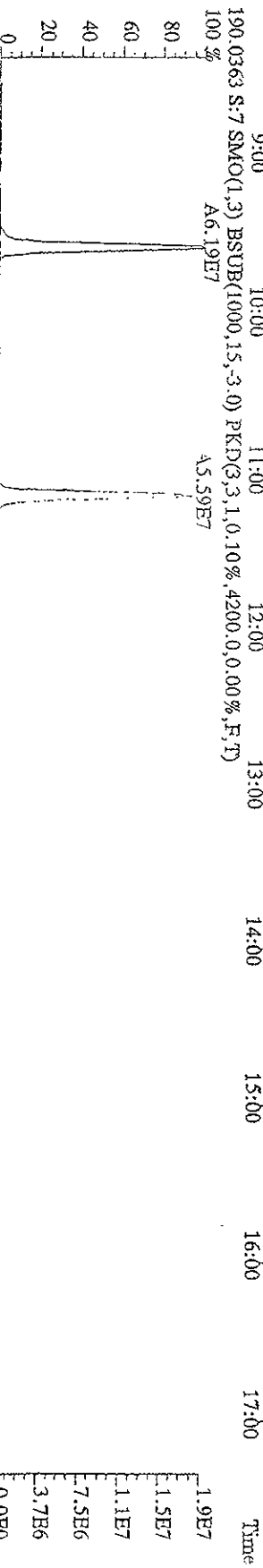
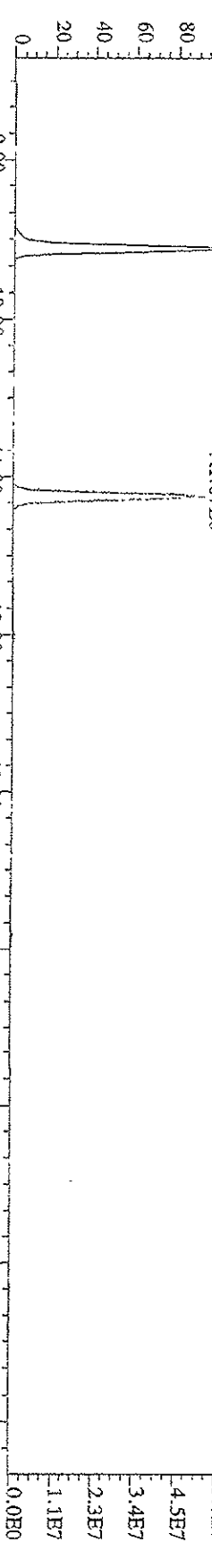
Run text: ST0115E                    Sample text: ST0115E :2nd Source 09DXN055  
 Run #6    Filename: 15JA09D9D5    S: 7    I: 1                    Results: 15JA09D9D5  
 Acquired: 16-JAN-09    01:33:31                    Processed: 16-JAN-09    12:21:13  
 Run: 15JA09D9D5                    Analyte: 1668MDB5                    Cal: 1668MDB50115099D5  
 Factor 1: 1.000                    Factor 2: 20.000                    Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-MoCB-3	317987900	3.11 y	11:07	0.92	2164.57	10.27	108.2	n
MoCB-1	246706500	2.98 y	9:34	1.72	904.22	0.30	-	n
*MoCB-3	222925700	2.99 y	11:08	1.48	946.34	0.35	-	n
Total MoCB	474515702	2.98 y	9:34	1.60	1869.77	0.32	-	n
13C-DiCB-15	484209000	1.53 y	16:10	1.43	2124.23	0.83	106.2	n
DiCB-10/4	347800000	1.00 y	12:01	1.55	927.94	2.11	-	n
DiCB-8/5	491206000	1.00 y	13:55	1.10	1839.01	2.97	-	n
*DiCB-15	359460000	1.00 y	16:11	1.59	932.41	2.05	-	n
Total DiCB	1219706104	1.00 y	12:01	1.57	3755.23	2.08	-	n
13C-TrCB-28	343278000	1.04 y	18:31	1.08	1996.11	10.52	99.8	n
TrCB-30	278791000	1.02 y	15:19	1.61	1008.62	0.29	-	n
TrCB-18	243663000	1.01 y	16:01	1.42	999.81	0.33	-	n
Total F1 TrCB	522454000	1.02 y	15:19	1.30	2008.43	0.36	-	n
*TrCB-31	192082600	1.02 y	18:27	1.11	1008.28	0.90	-	n
*TrCB-28	205591000	1.05 y	18:32	1.28	932.33	0.77	-	n
TrCB-37	162623100	1.02 y	21:48	0.99	959.03	1.01	-	n
Total F2 TrCB	577775584	1.06 y	17:45	1.30	2978.02	0.77	-	n
13C-TeCB-52	318403000	0.81 y	20:23	-	106.38	-	-	n
13C-TeCB-81	229174000	0.79 y	26:58	0.95	1947.47	2.24	97.4	n
TeCB-54	176370000	0.75 y	17:45	1.45	1047.73	0.72	-	n
TeCB-52/73	136685300	0.74 y	20:24	1.14	1038.26	0.92	-	n
TeCB-47/75/48	159414500	0.74 y	20:49	1.51	910.32	0.69	-	n
TeCB-44	118189100	0.73 y	21:34	0.99	1027.98	1.06	-	n
Total F2 TeCB	594518692	0.75 y	17:45	1.28	4050.21	0.83	-	n
13C-TeCB-77	234335000	0.79 y	27:33	0.98	1920.15	2.16	96.0	n
TeCB-66/80	184147000	0.76 y	24:02	1.58	1007.33	1.48	-	n
TeCB-81	141804800	0.76 y	26:59	1.28	968.12	1.77	-	n
TeCB-77	126688100	0.71 y	27:35	1.10	979.89	2.18	-	n
Total F3 TeCB	469737053	0.76 y	24:02	1.28	3070.16	1.85	-	n
13C-PeCB-101	248452000	0.65 y	25:21	-	101.61	-	5.1	n
13C-PeCB-123	215120100	0.65 y	28:53	0.87	1987.09	1.39	99.4	n
PeCB-104	187266500	0.64 y	21:19	1.60	1043.94	0.32	-	n
Total F2 PeCB	187266500	0.64 y	21:19	1.38	1043.94	0.39	-	n
PeCB-101/89/90	152746800	0.59 y	25:23	1.39	979.30	1.07	-	n
PeCB-123	153997300	0.59 y	28:54	1.51	948.79	0.97	-	n
13C-PeCB-118	233847400	0.65 y	29:02	0.98	1912.00	1.23	95.6	n
PeCB-118/106	173601100	0.60 y	29:03	1.53	971.67	0.94	-	n
13C-PeCB-114	234263800	0.66 y	29:40	0.97	1951.48	1.26	97.6	n
PeCB-114	179214900	0.58 y	29:41	1.59	965.03	0.91	-	n
13C-PeCB-105	216099500	0.65 y	30:34	0.90	1938.79	1.35	96.9	n
PeCB-105/127	146287000	0.59 y	30:35	1.42	951.93	1.12	-	n

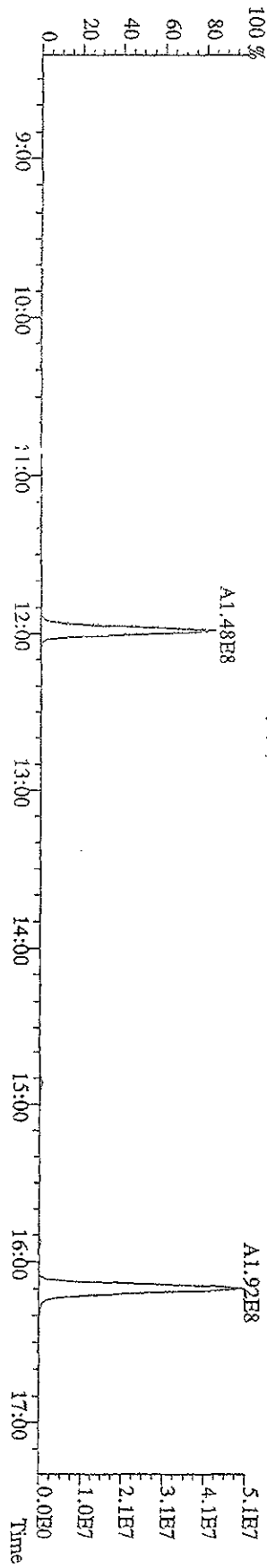
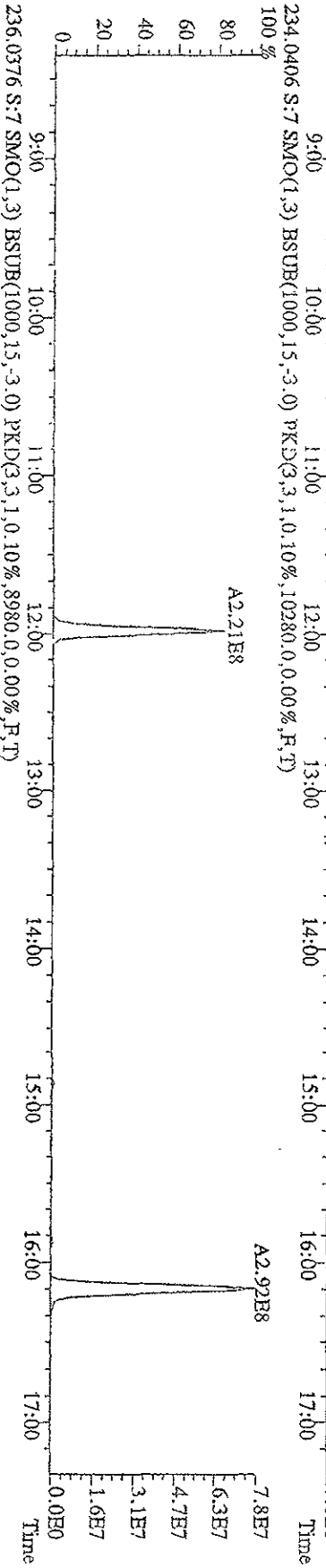
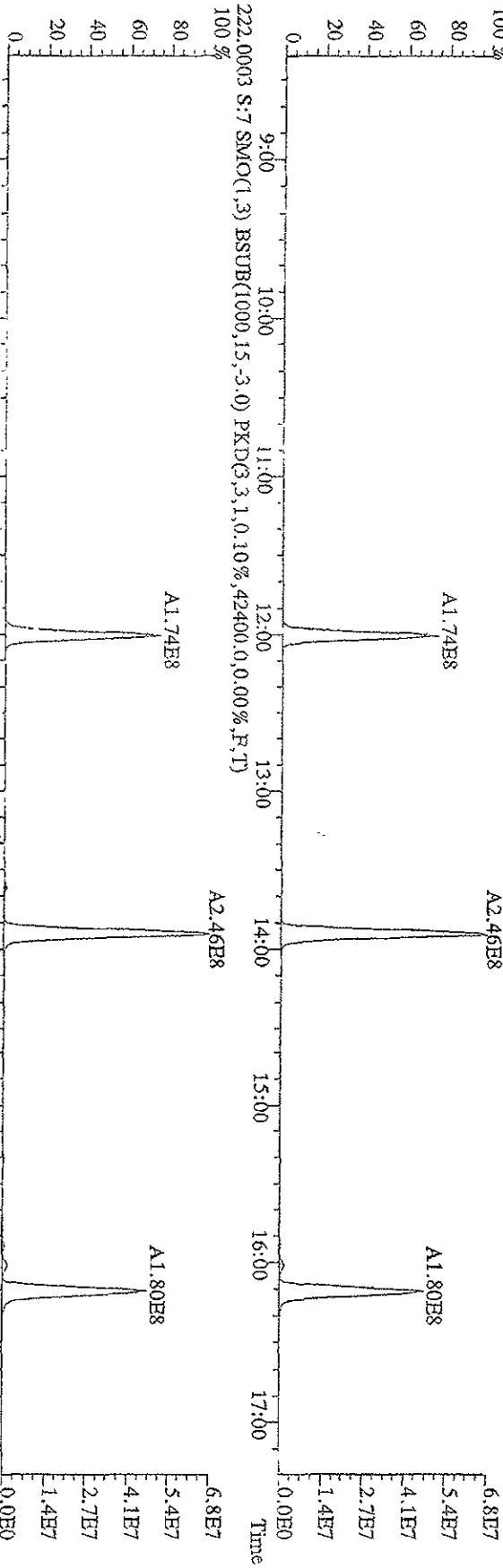
13C-PeCB-126	209136400	0.66	y	32:30	0.91	2846.94	1.33	92.3	n
PeCB-126	116625800	0.59	y	32:31	1.17	950.64	1.67	-	n
Total F3 PeCB	941154865	0.51	n	24:50	1.38	5889.66	1.14	-	n
13C-OcCB-202	247986000	0.86	y	34:43	-	96.36	-	-	n
13C-HxCB-167	206590100	1.26	y	33:35	0.84	1979.81	2.19	99.0	n
HxCB-155	176523800	1.27	y	24:50	1.89	1039.99	0.42	-	n
HxCB-153	152304200	1.27	y	30:21	1.71	987.89	0.46	-	n
HxCB-137	131107900	1.27	y	31:28	1.47	992.40	0.53	-	n
HxCB-138/163/164	136502600	1.26	y	31:56	1.55	977.56	0.51	-	n
Total F3 HxCB	606630234	1.27	y	24:50	1.44	4077.00	0.56	-	n
HxCB-128	84450800	1.24	y	33:30	1.08	868.90	3.96	-	n
HxCB-167	127740700	1.27	y	33:36	1.17	1058.05	3.04	-	n
13C-HxCB-156	164457200	1.30	y	34:53	0.67	1978.96	2.75	98.9	n
HxCB-156	113010300	1.28	y	34:54	1.45	946.35	3.26	-	n
13C-HxCB-157	172987600	1.26	y	35:12	0.71	1973.79	2.61	98.7	n
HxCB-157	119121700	1.26	y	35:13	1.45	952.15	3.00	-	n
13C-HxCB-169	176264100	1.25	y	37:05	0.73	1938.06	2.51	96.9	n
HxCB-169	81303300	1.29	y	37:06	0.99	932.61	4.67	-	n
Total F4 HxCB	536274083	1.24	y	33:30	1.44	4840.76	3.02	-	n
13C-HpCB-180	145969400	1.04	y	35:49	0.58	2013.68	1.54	100.7	n
HpCB-188	145753200	1.07	y	29:56	2.10	1033.46	0.58	-	n
HpCB-187/182	128812400	1.06	y	32:54	1.92	997.83	0.63	-	n
Total F3 HpCB	278642119	1.07	y	29:56	1.67	2067.20	0.72	-	n
HpCB-180	86924100	1.10	y	35:50	1.27	941.34	1.34	-	n
13C-HpCB-170	116867600	1.04	y	37:29	0.47	1986.74	1.89	99.3	n
HpCB-170/190	87429800	1.08	y	37:29	1.61	931.39	1.31	-	n
13C-HpCB-189	140943300	1.05	y	39:07	0.60	1899.17	1.50	95.0	n
HpCB-189	80151000	1.11	y	39:08	1.21	942.78	1.48	-	n
Total F4 HpCB	256493131	0.82	n	33:07	1.67	2833.03	1.10	-	n
13C-OcCB-194	97713600	0.90	y	41:04	0.41	1928.85	0.71	96.4	n
OcCB-202	102264300	0.85	y	34:44	2.16	968.36	0.31	-	n
Total F4 OcCB	102264300	0.85	y	34:44	1.70	968.36	0.39	-	n
OcCB-195	75846900	0.88	y	39:58	1.61	963.37	3.27	-	n
*OcCB-194	57671400	0.89	y	41:05	1.24	952.91	4.25	-	n
Total F5 OcCB	141135460	0.88	y	39:58	1.70	2007.99	3.10	-	n
13C-NoCB-208	153734500	0.80	y	39:52	0.64	1928.31	0.15	96.4	n
*NoCB-208	81736900	0.79	y	39:52	1.11	956.40	0.38	-	n
NoCB-206	52843300	0.81	y	43:01	0.73	947.77	0.59	-	n
Total F5 NoCB	136667540	0.79	y	39:52	0.92	1933.73	0.46	-	n
13C-DeCB-209	107688400	0.71	y	44:04	0.46	1887.39	0.07	94.4	n
*DeCB-209	73761700	0.71	y	44:04	1.50	910.40	0.09	-	n
13C-MoCB-1	482046000	2.99	y	9:33	1.95	1553.93	3.90	77.7	n
13C-DiCB-4	369336000	1.49	y	11:59	0.93	1647.97	0.80	82.4	n
13C-TrCB-19	309678000	1.07	y	14:52	1.03	1750.20	9.10	87.5	n
13C-TeCB-54	365168000	0.82	y	17:44	1.72	1829.54	1.83	91.5	n
13C-PeCB-111	289878000	0.64	y	26:50	1.42	1929.21	1.32	96.5	n
13C-HxCB-138	205304900	1.20	y	31:55	-	97.93	-	4.9	n

File:151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UHmaE

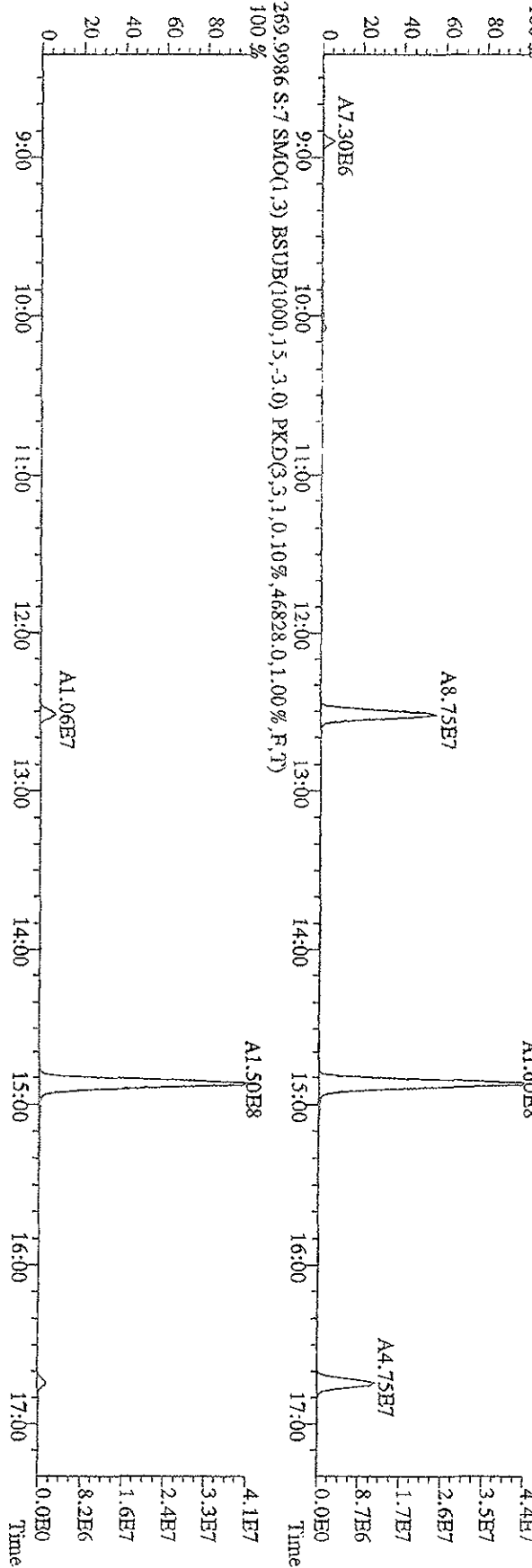
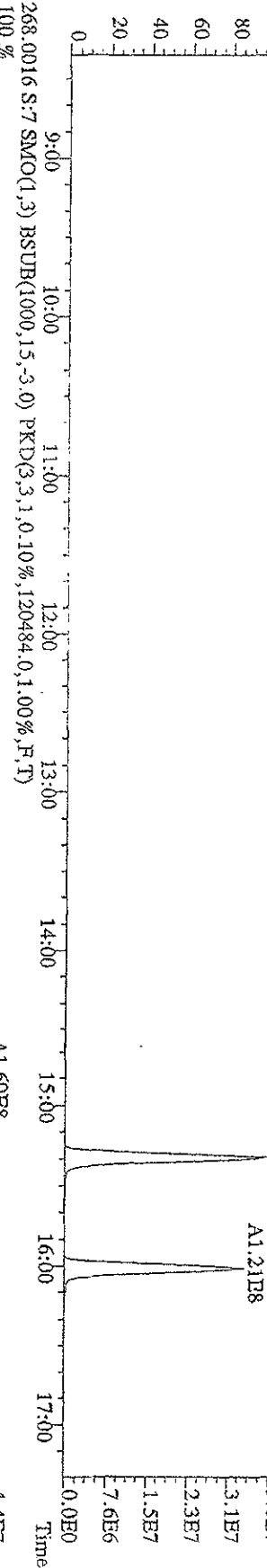
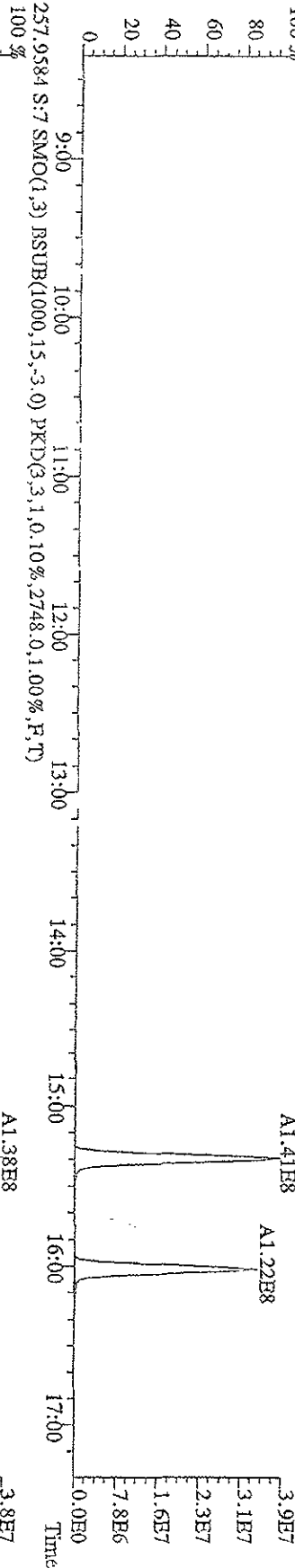
Sample#7 Text:ST0115R :2nd Source 09DXNM55 Exp:209DB5  
188.0393 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3.3,1.0,10%,6216,0,0.00%,F,T)



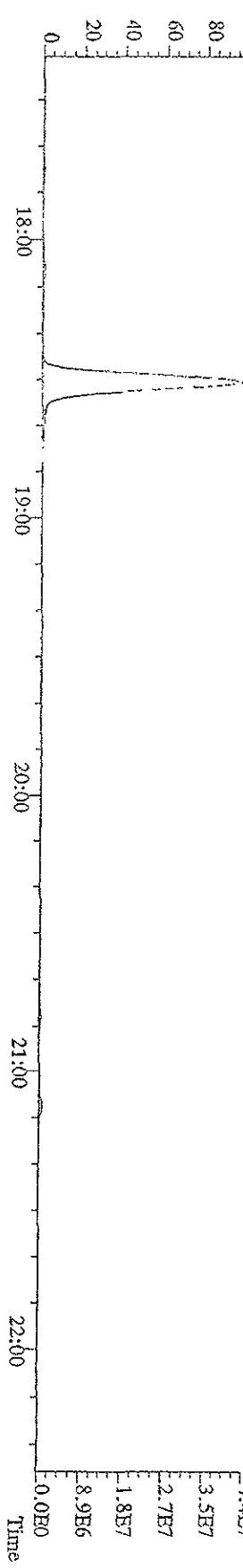
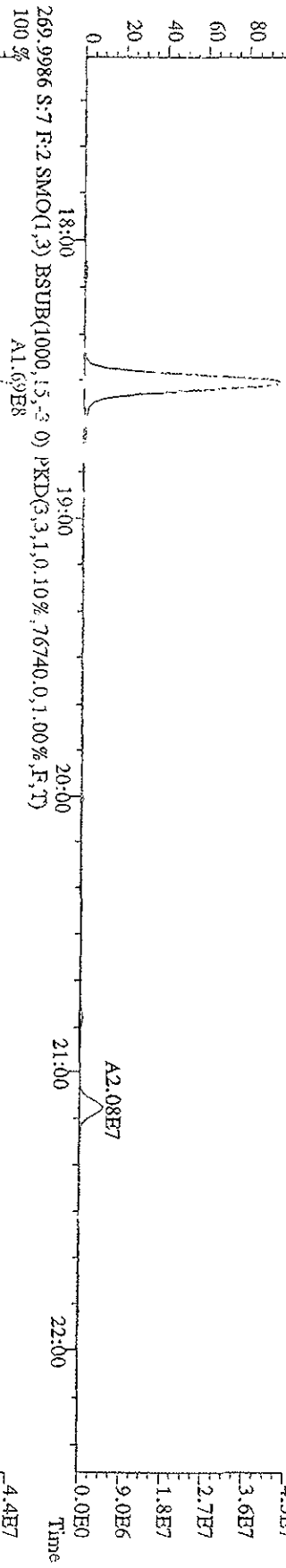
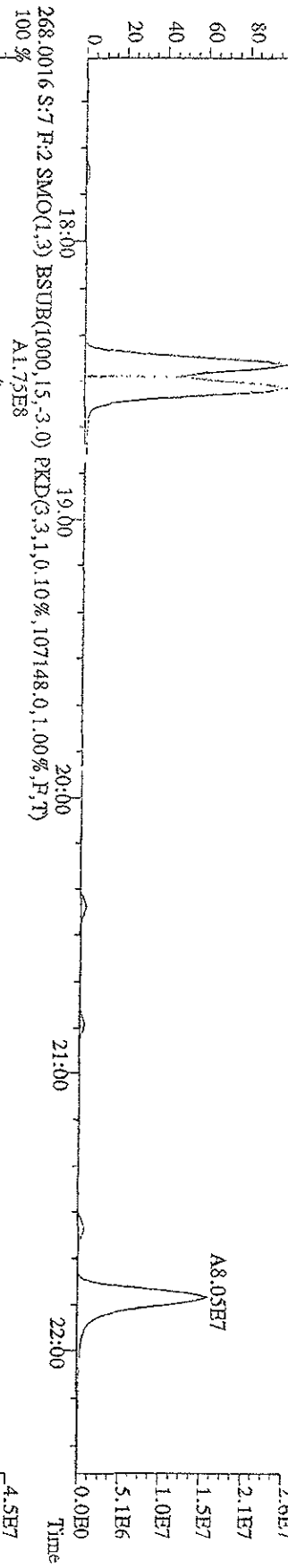
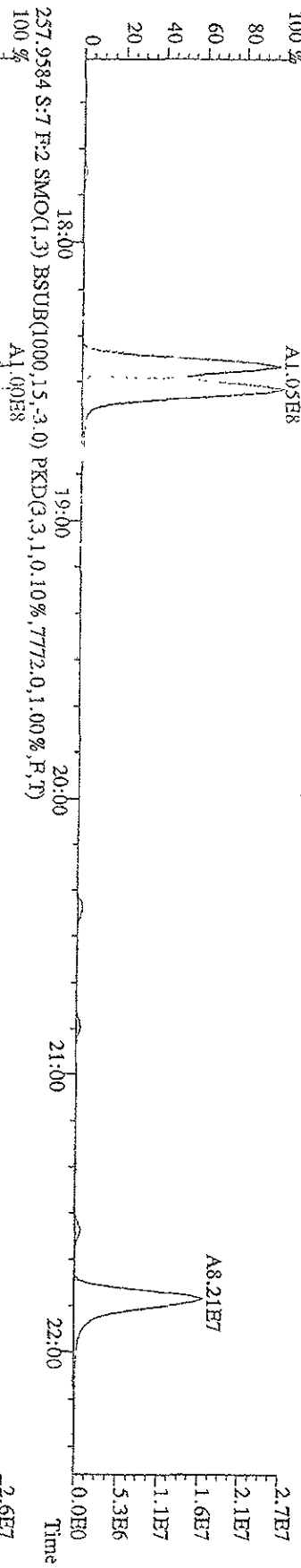
File:15IA09DD9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 222.0003 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,42400,0,0.00%,F,T)



File:151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115B :2nd Source 09DXN055 Exp:209DB5  
 255.9613 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,5556.0,1.00%,F,T)  
 100 %

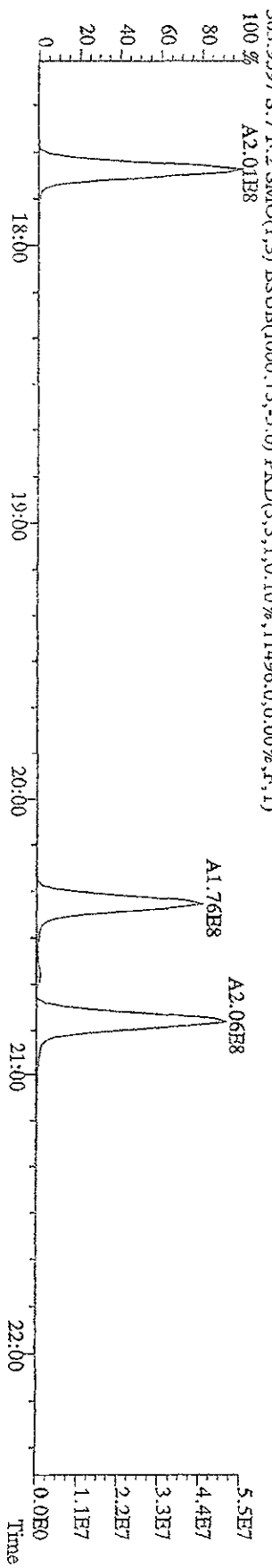
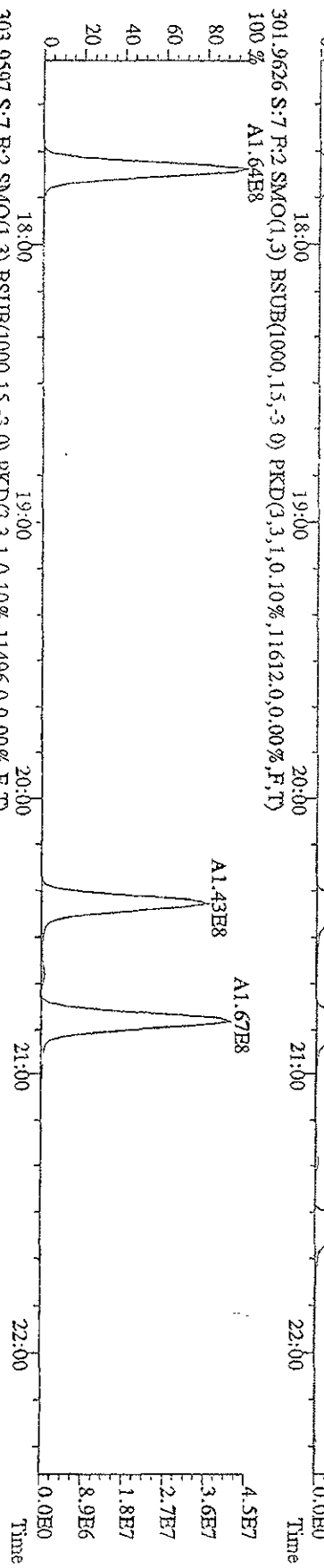
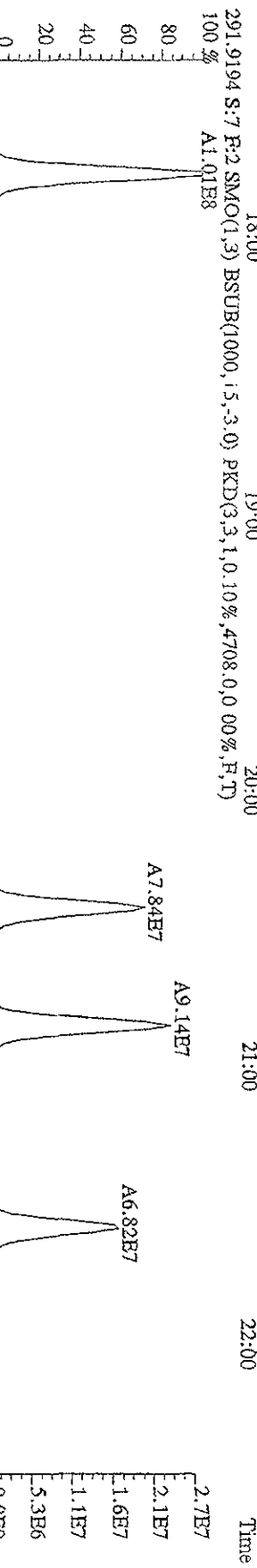
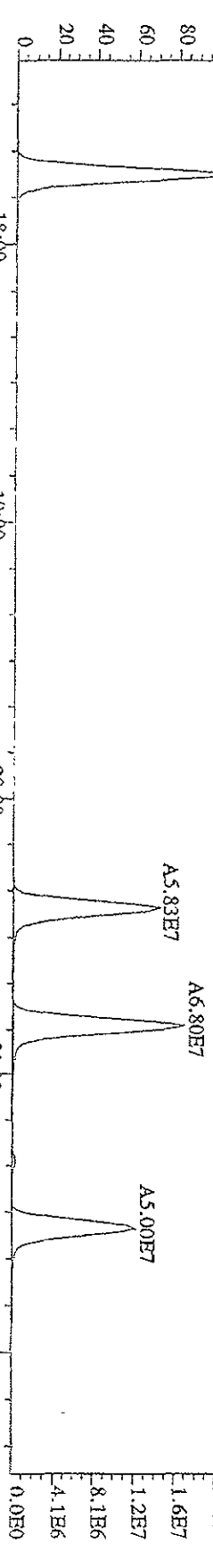


File:151A09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC-EL+ Voltage:STR Autospec-Ultimate  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:209DB5  
 255.9613 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9972,0,1,00%,F,T)

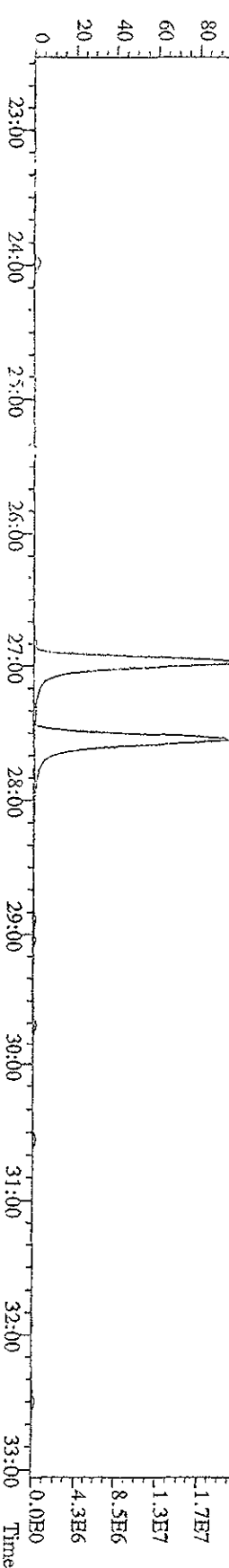
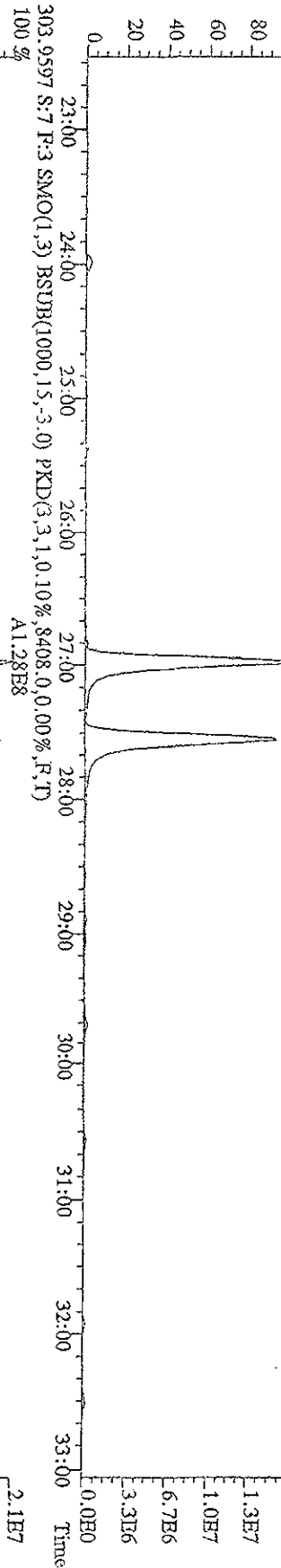
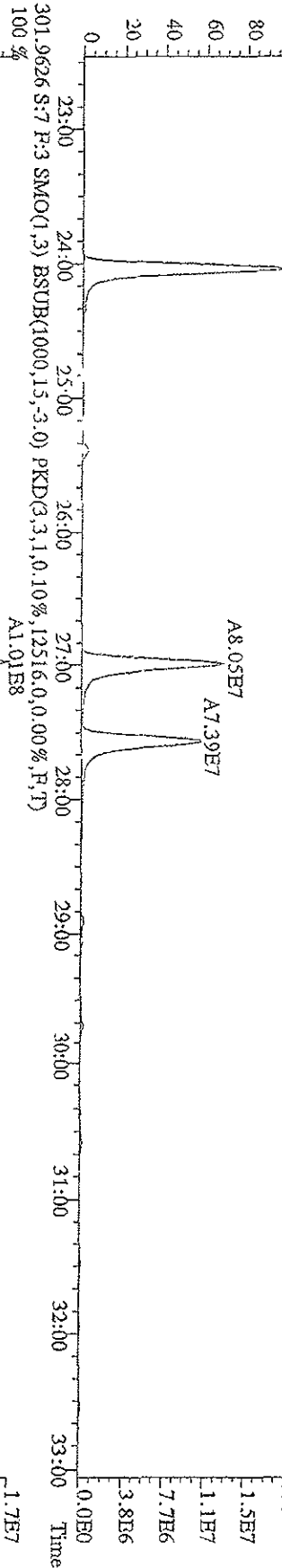
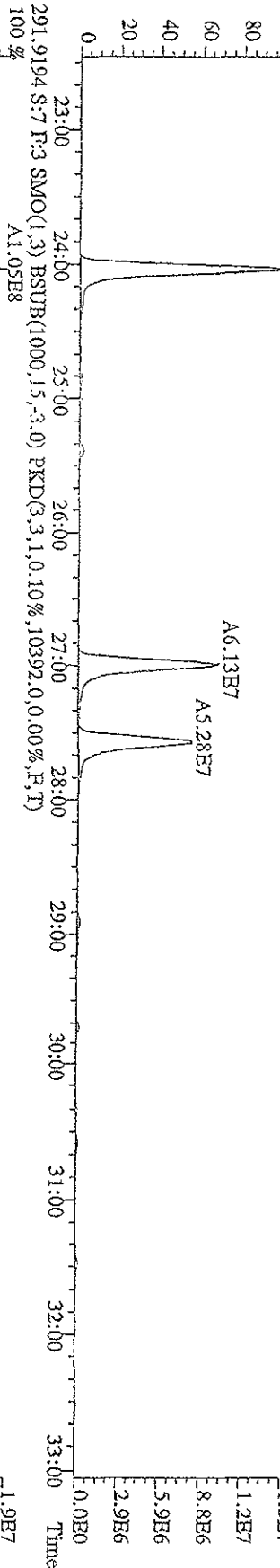




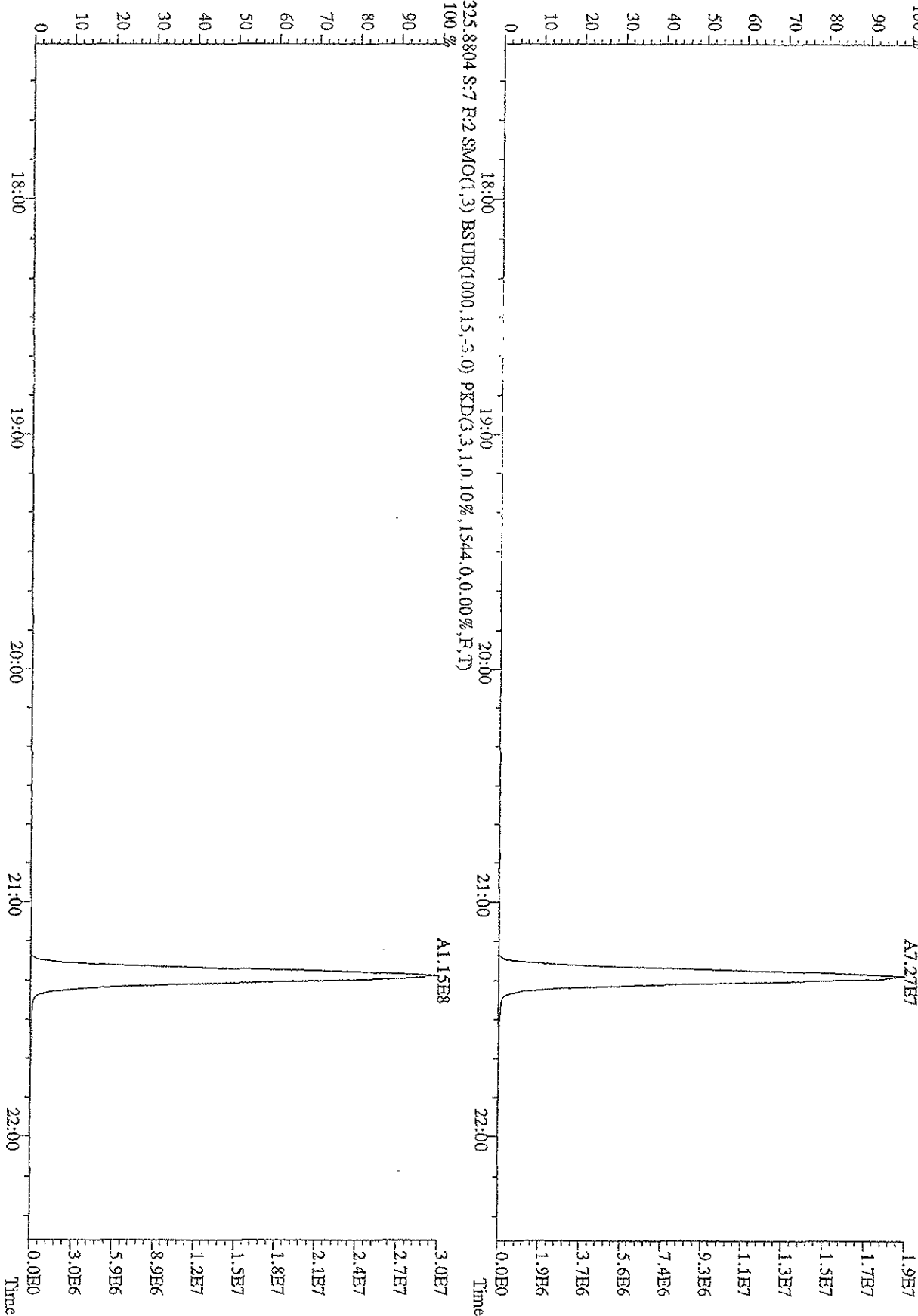
File:151A09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC FI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:209DB5  
 289.9224 S:7 R:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2996,0,0,00%,F,T)  
 100% A7.56E7



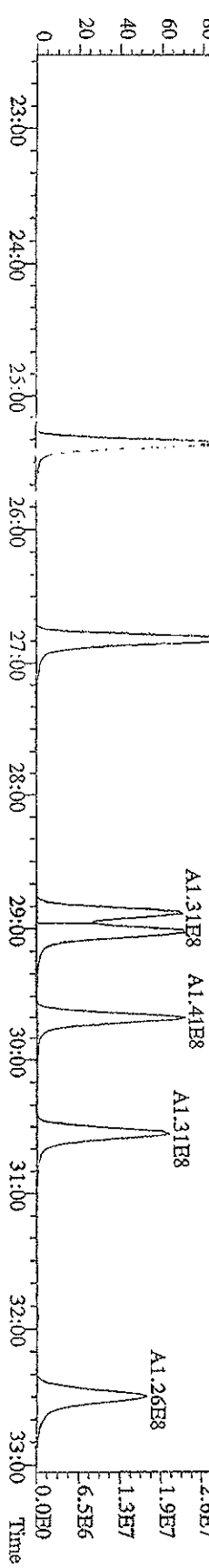
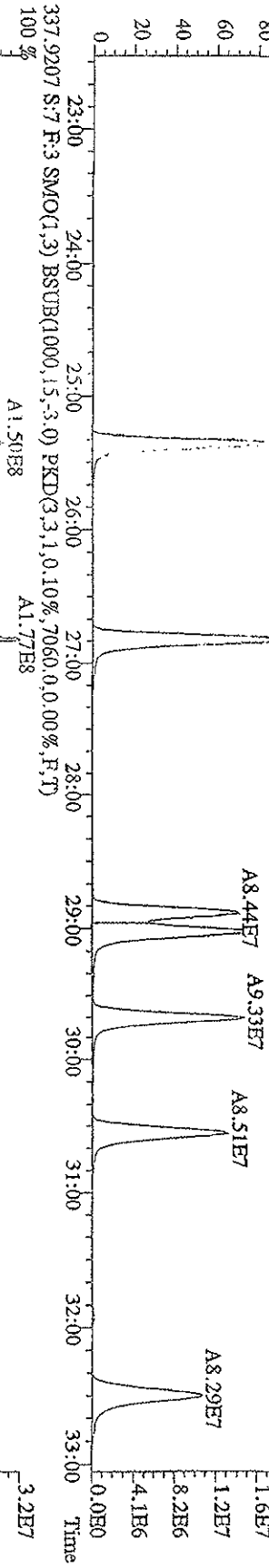
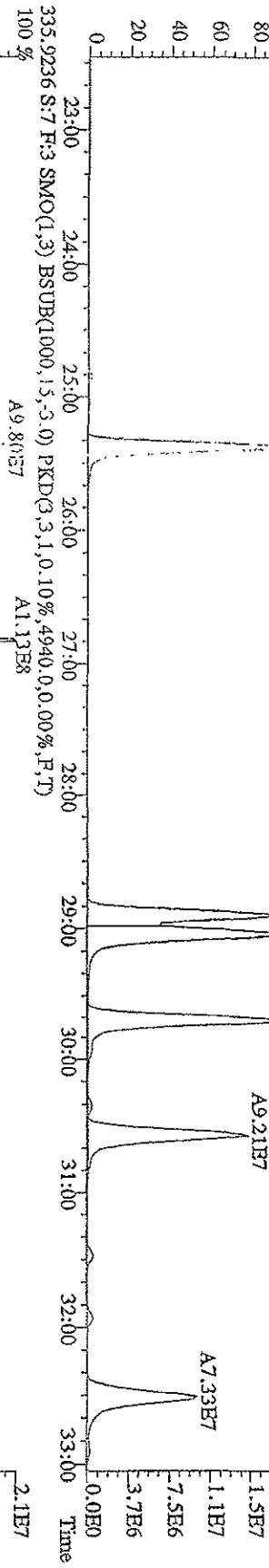
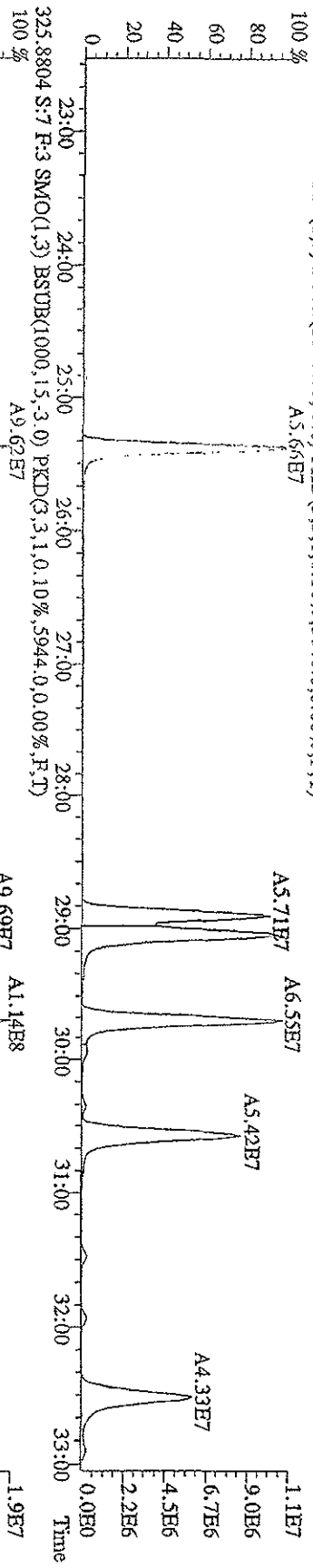
Title: 151A09D9D5 #1-597 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage: SIR Autospec-Ultimate  
 Sample: #7 Text: ST0115E : 2nd Source 09DXN055 Exp: 209DB5  
 289.9224 S:7 R:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6752,0,0,00%,F,T)  
 100% A7.96E7



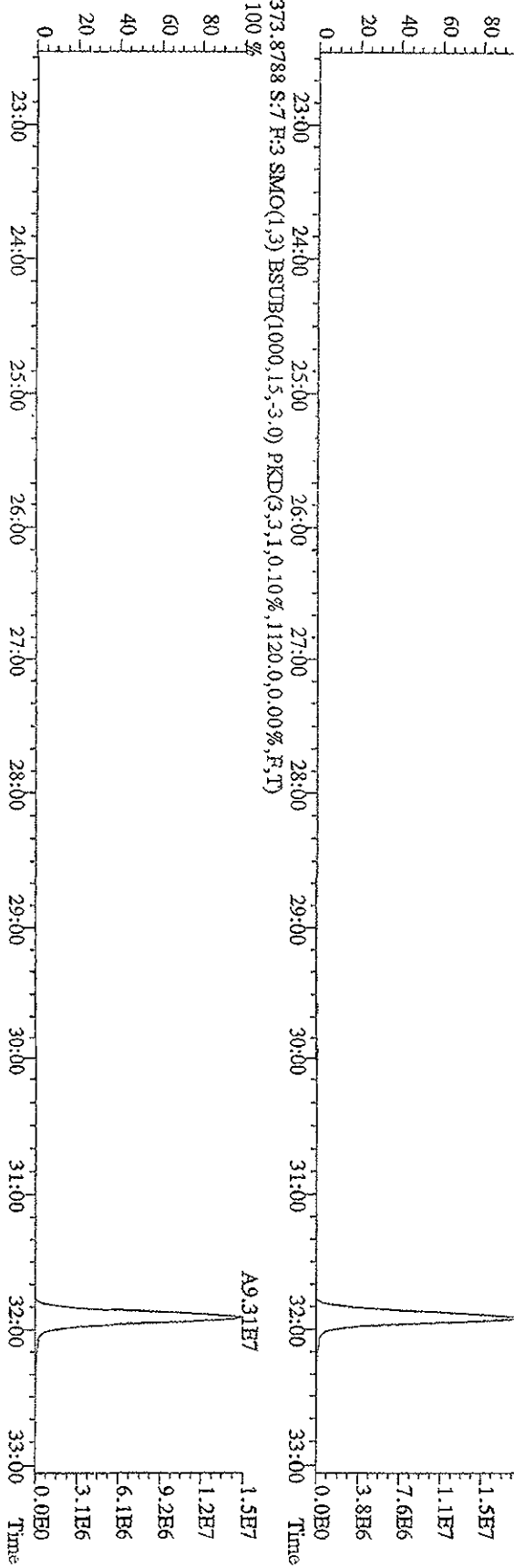
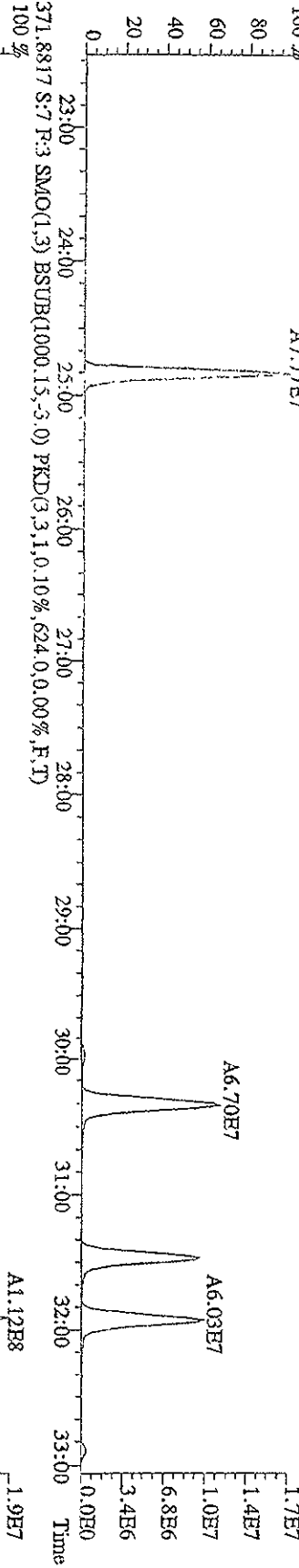
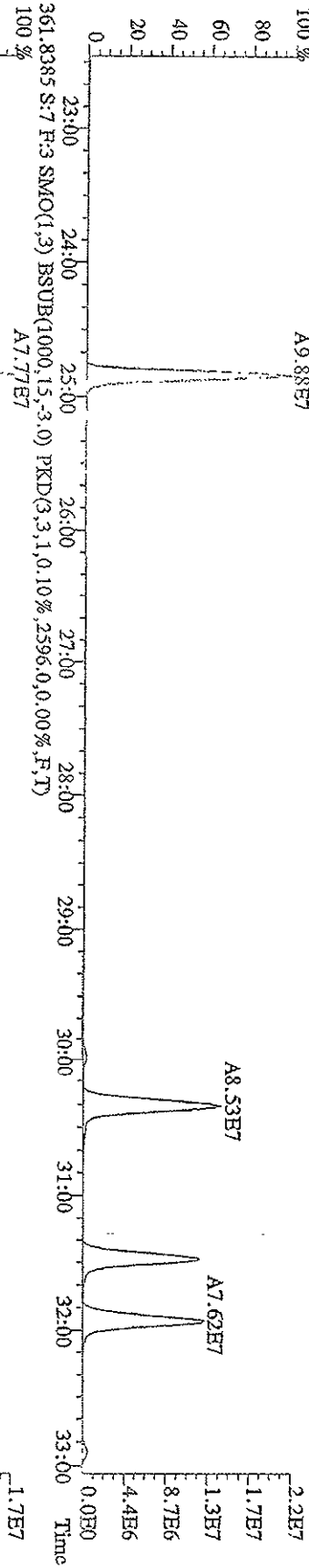
File: 151A09D9D5 #1-371 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample #7 Text: ST0115E : 2nd Source 09DXN055 Exp: 209DB5  
 323.8834 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2252,0,0,00%,F,T)



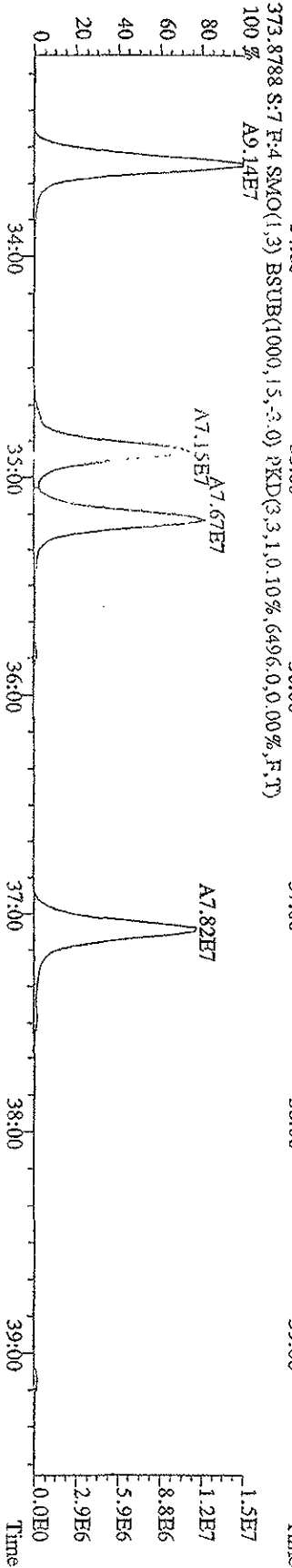
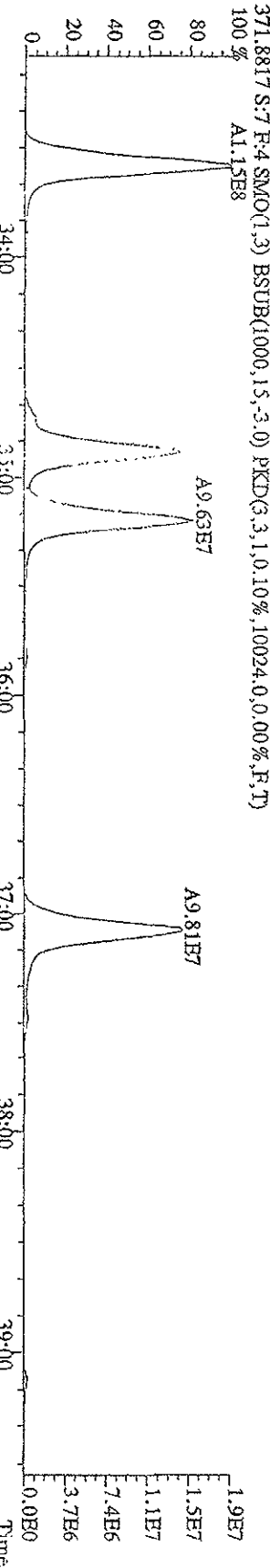
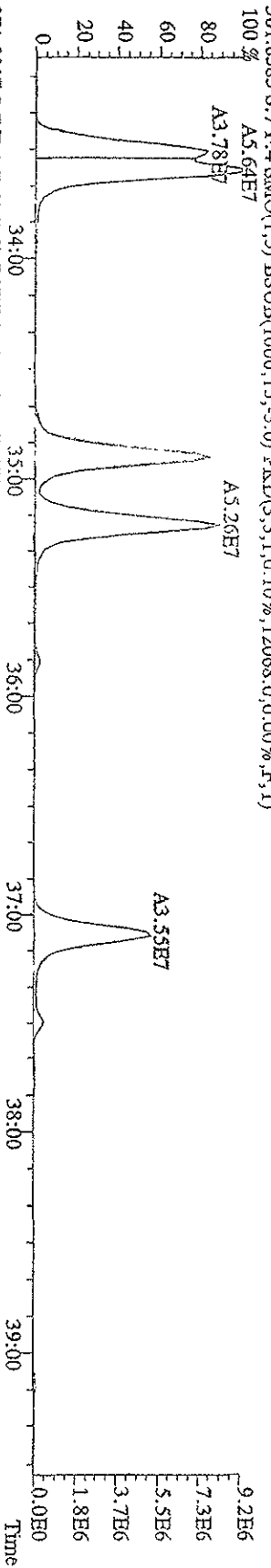
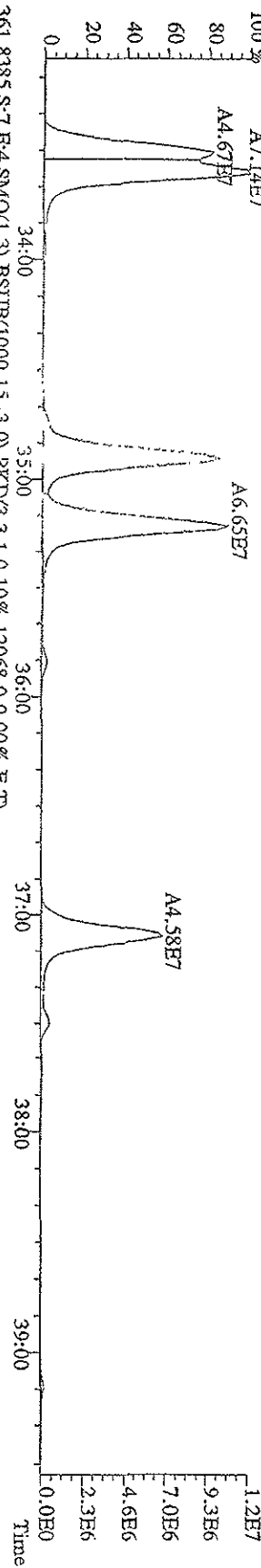
File: 151A09DD5 #1-597 Acq: 16-JAN-2009 01:33:31 GC: EI+ Voltage: SIR Autospec: UltimaE  
 Sample#7 Text: ST015E 2nd Source: 09DXN055 Exp: 209DB5  
 323.8834 S:7 F:3 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,3,1,0,10%,5944,0,0,00%,F,T)  
 100%



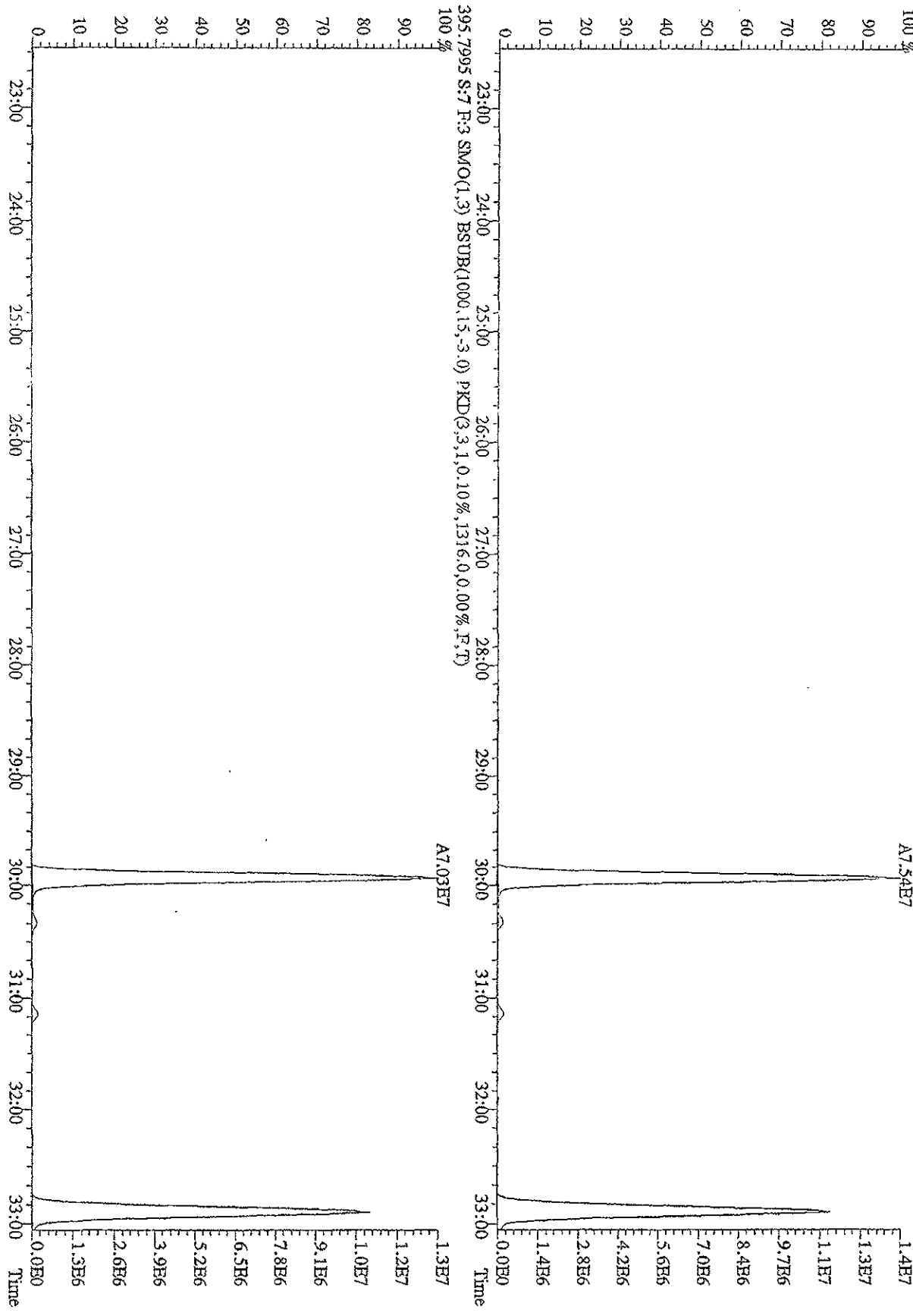
File:151A09D9D5 #1-597 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage 51R Autospec-UltimaE  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 359.8415 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1.748,0,0.00%,F,T)  
 100 % A9.88E7



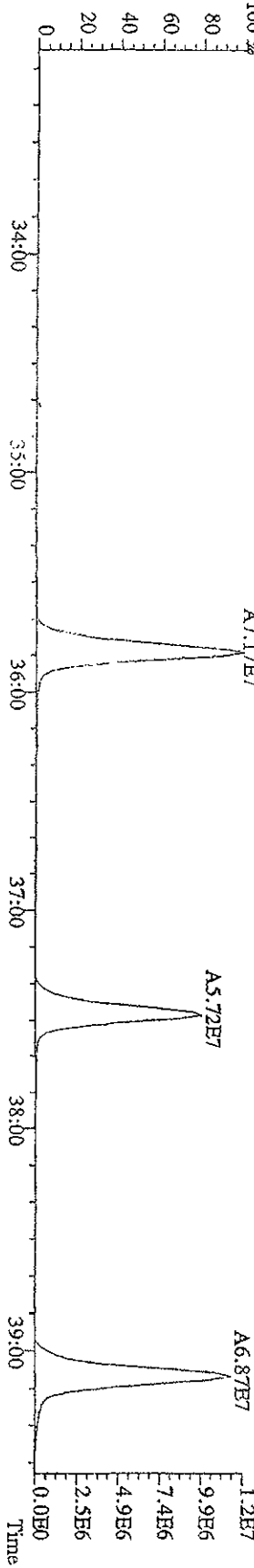
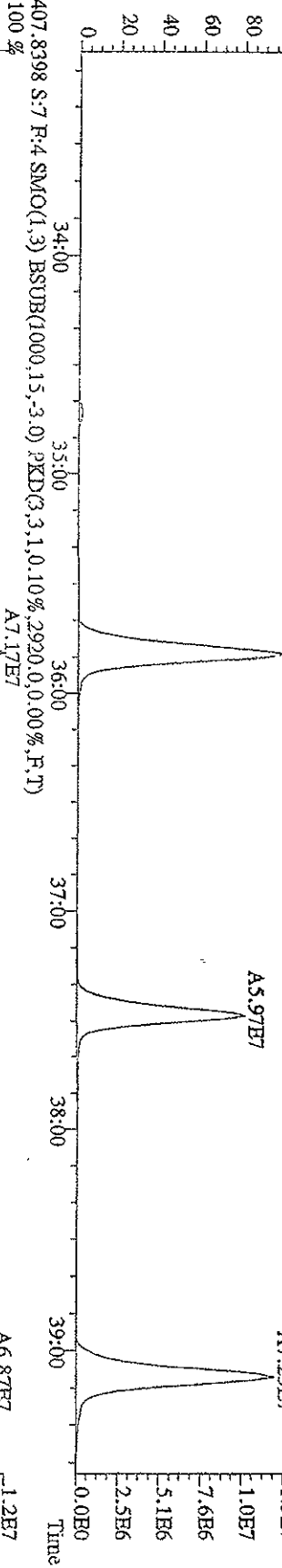
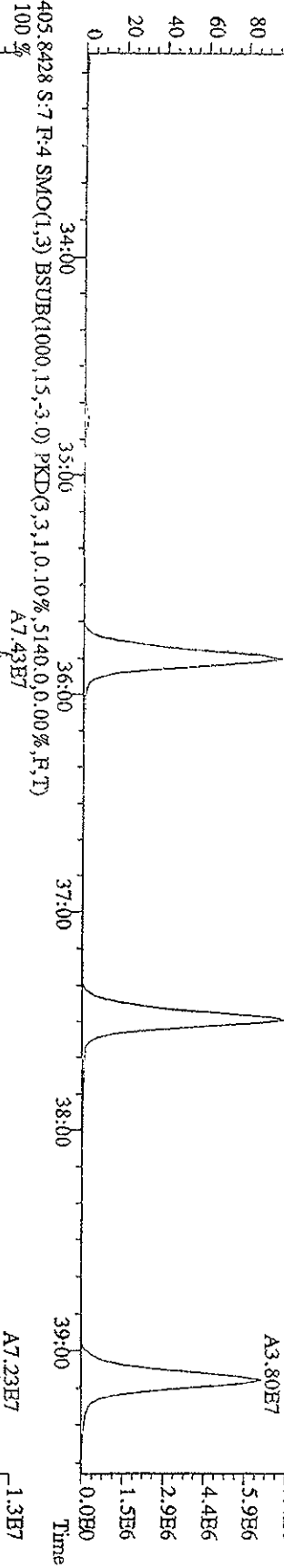
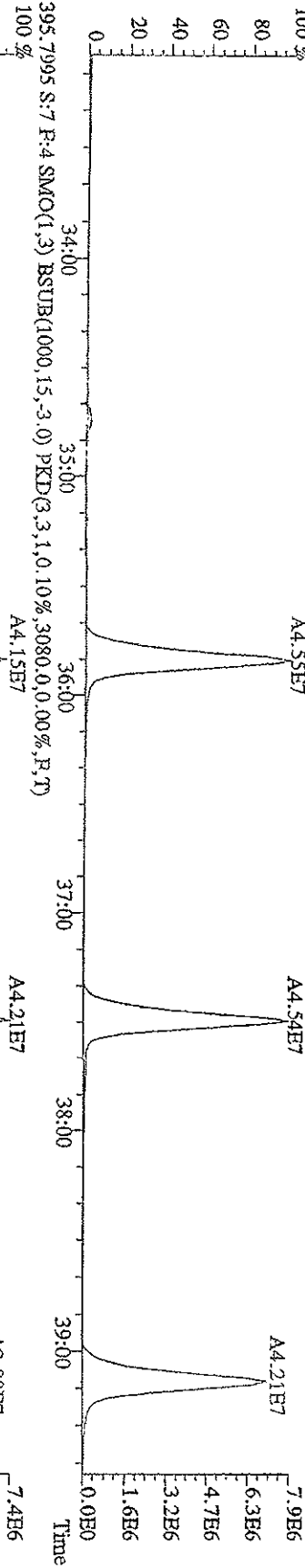
File:151A09D9D5 #1:395 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 359.8415 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,11588,0,0,00%,F,T)



File: 151A09D9D5 #1-597 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text: ST0115E 2nd Source 09DXN055 Exp: 209DB3  
 393.8025 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1316,0,0,00%,F,T)

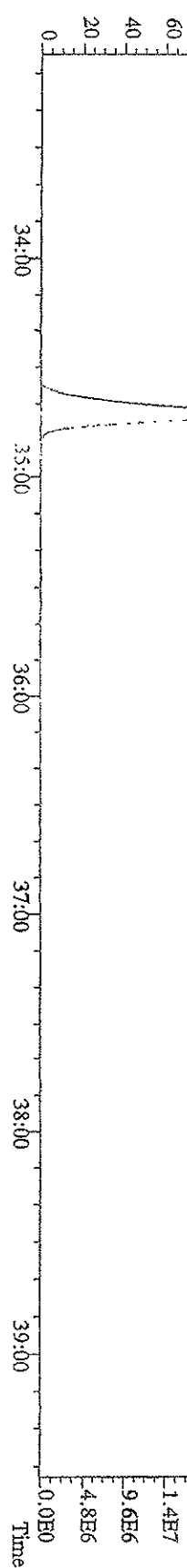
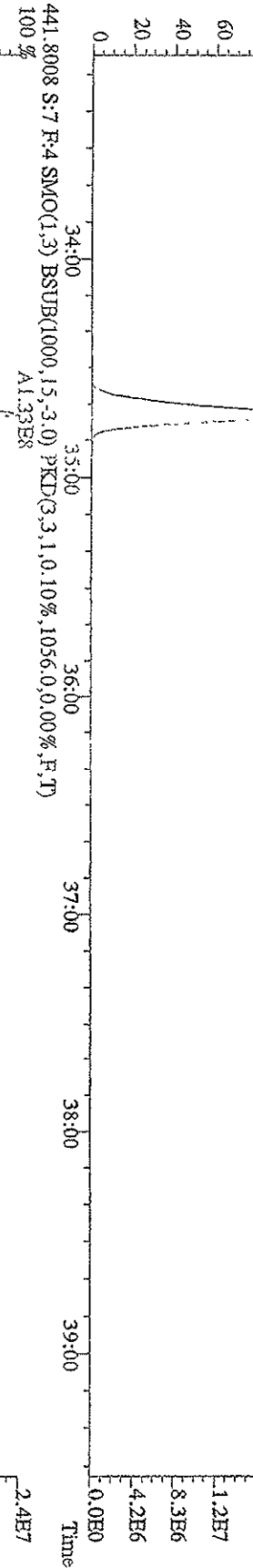
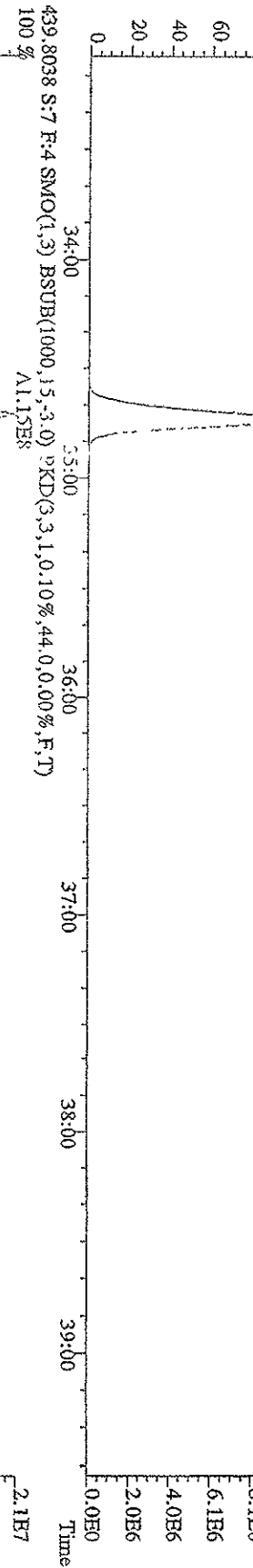
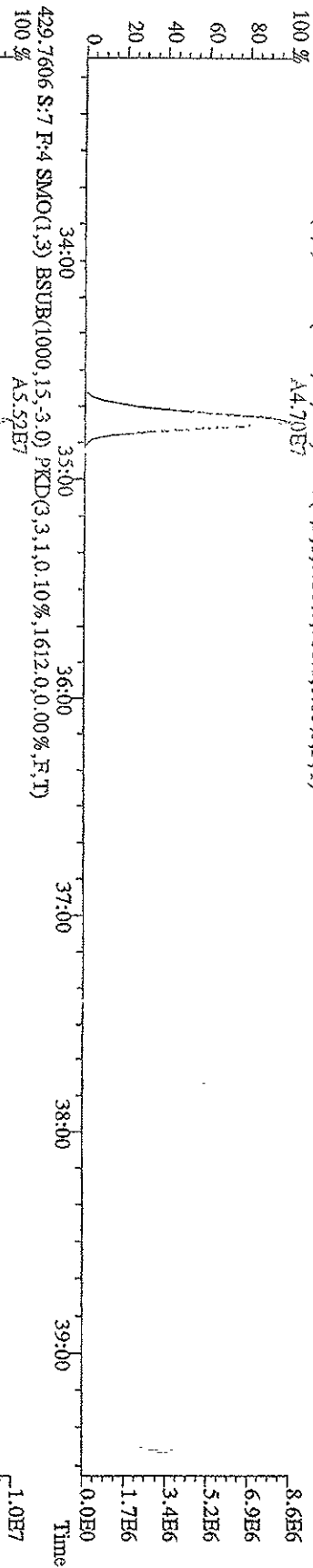


File:151A09D9D5 #1-395 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 395.7995 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3080,0,0,00%,F,T)  
 100 %

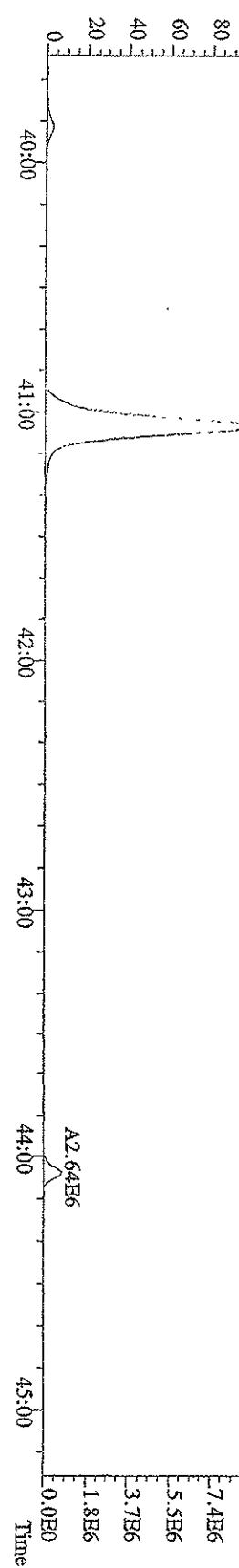
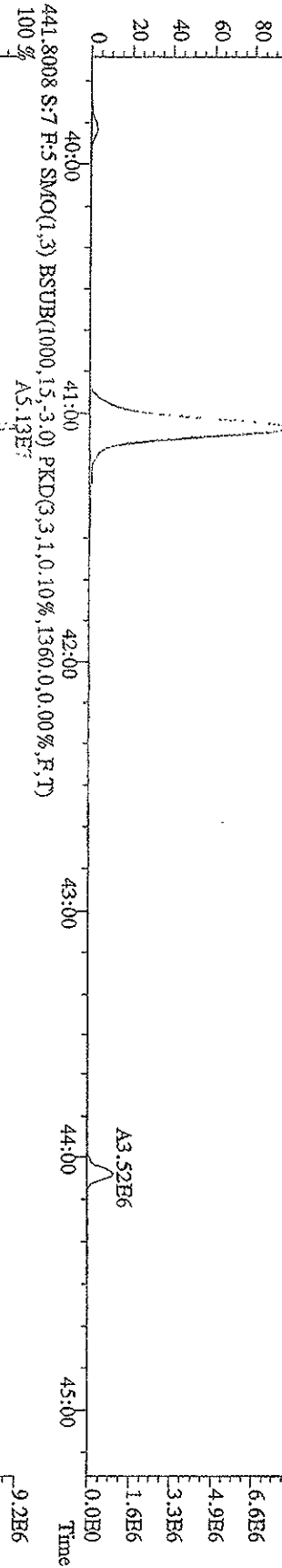
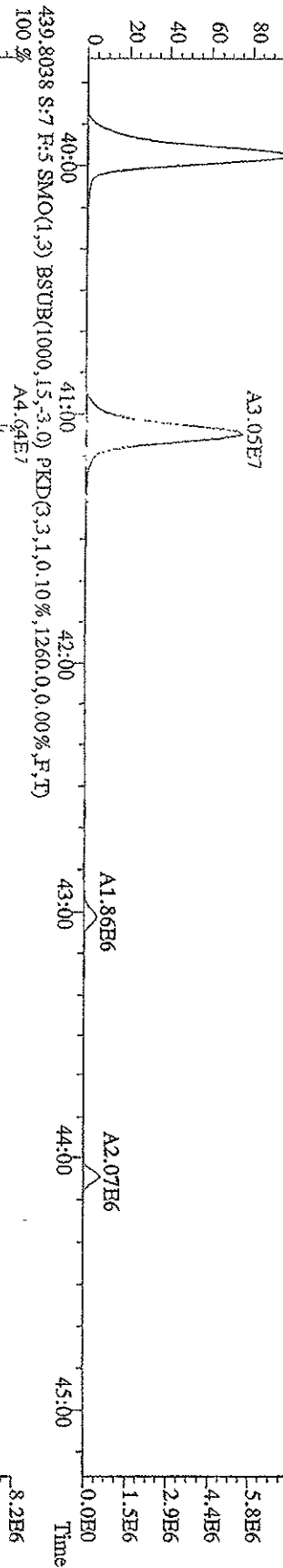
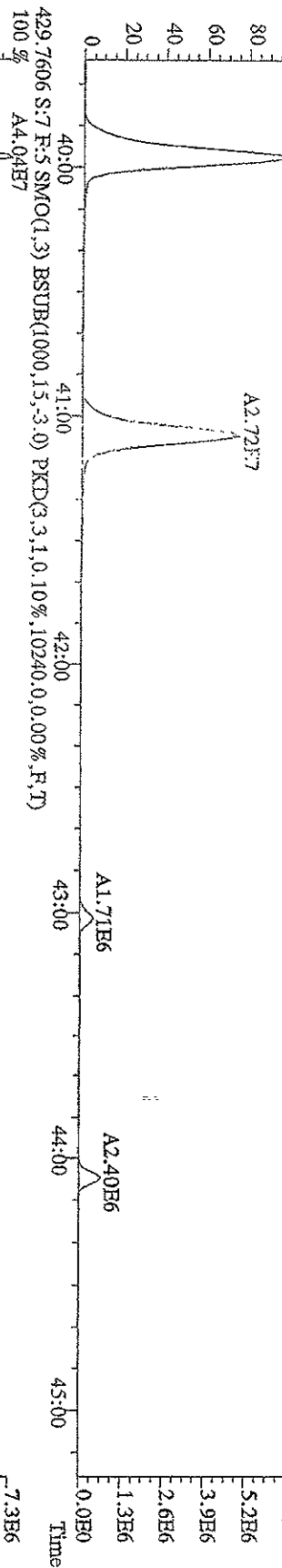




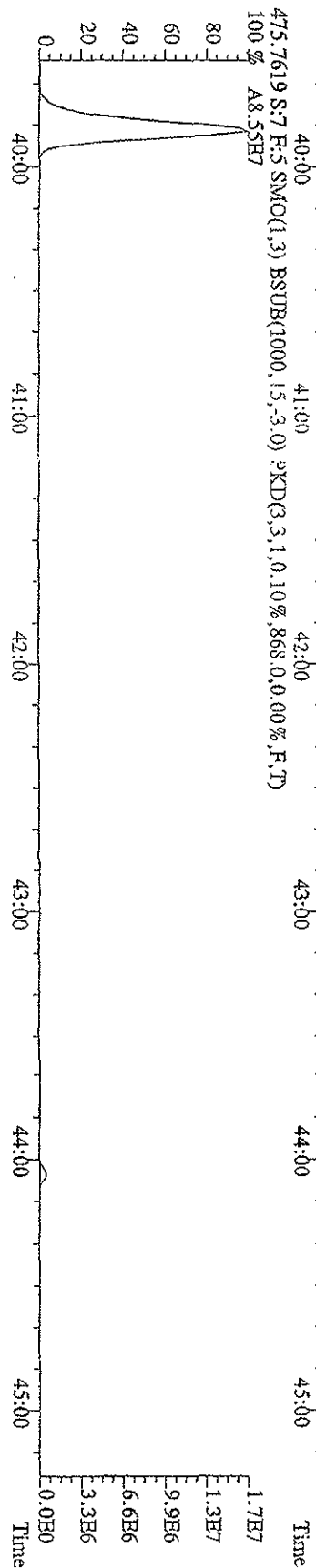
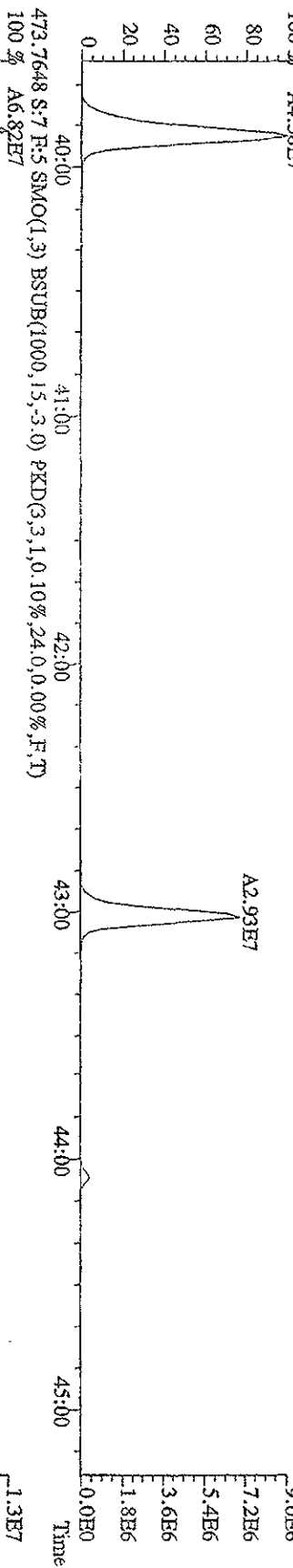
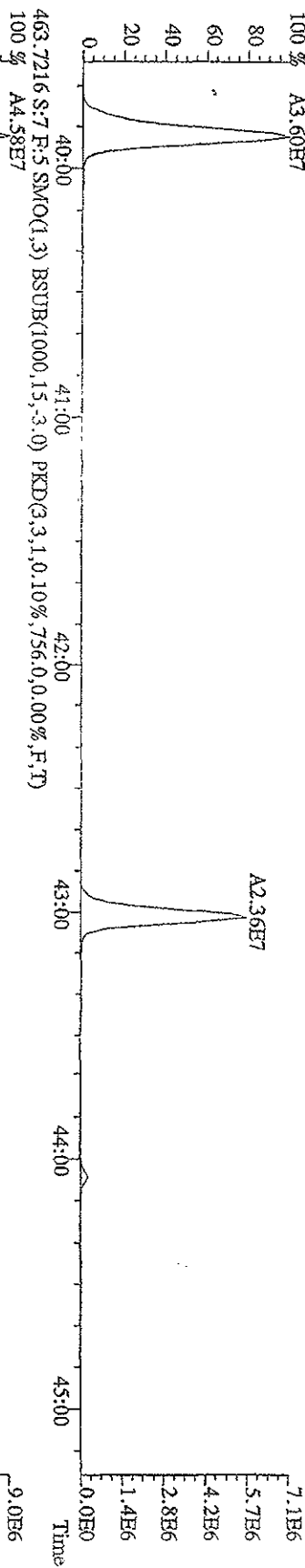
File:151A09D9D5 #1-395 Acq:16-JAN-2009 01:31:31 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:209DB5  
 427.7635 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1612,0,0,00%,F,T)  
 100% A4.70E7



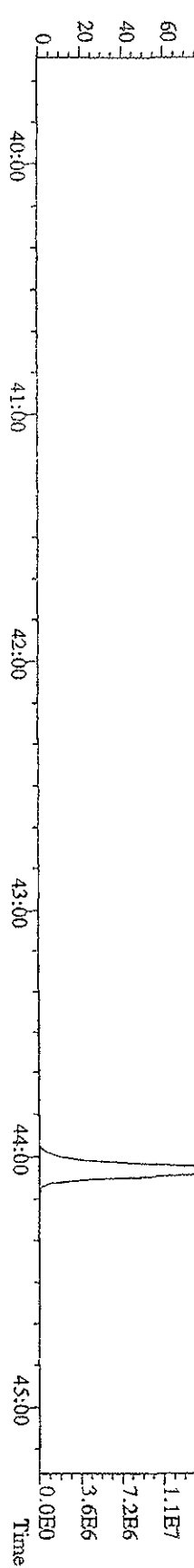
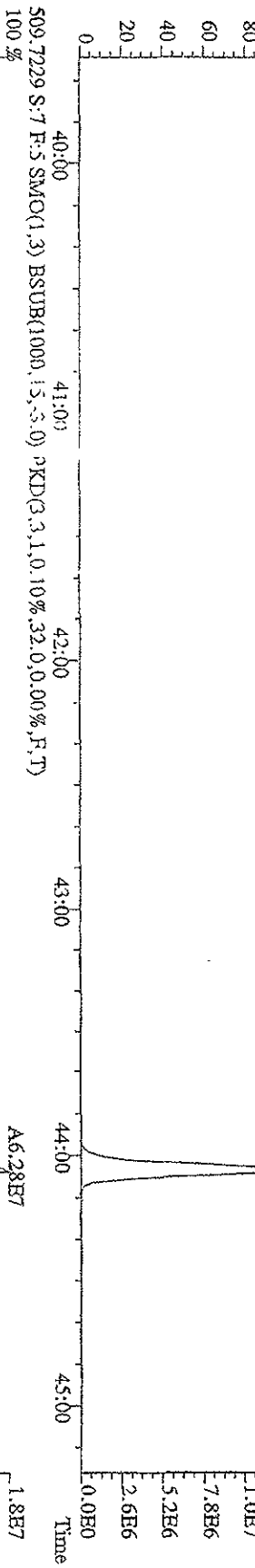
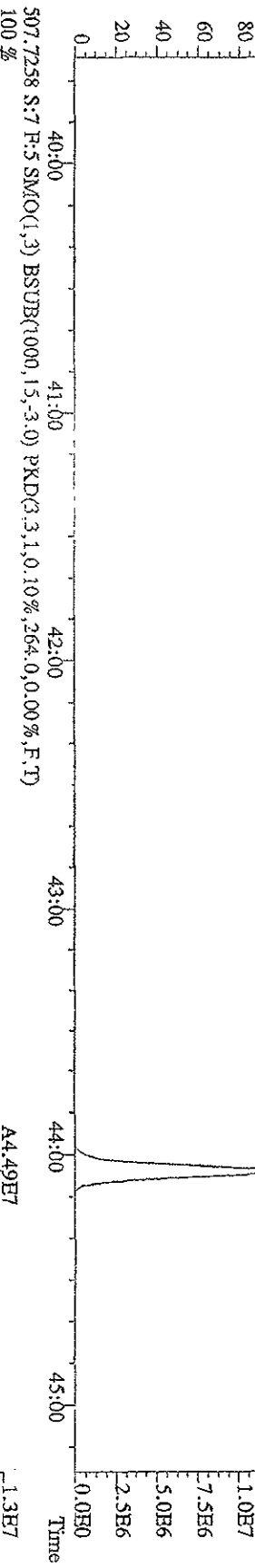
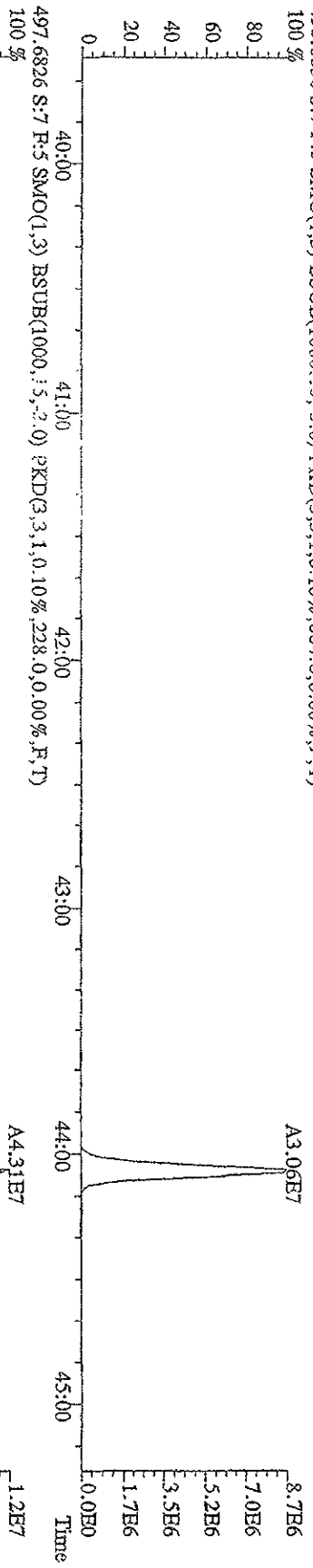
File:151A09DD9D5 #1-378 Acq:16-JAN-2009 01:31:31 GC BI + Voltage SIR Autospec-UltimaB  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:2091DB5  
 427.7635 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8132,0,0,00%,F,T)  
 100% A3.55E7



File:151A09D9D5 #1-378 Acq:16-JAN-2009 01:35:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115B 2nd Source 09DXN055 Exp:209DB5  
 461.7245 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1768,0,0,00%,F,T)  
 100% A3.60E7



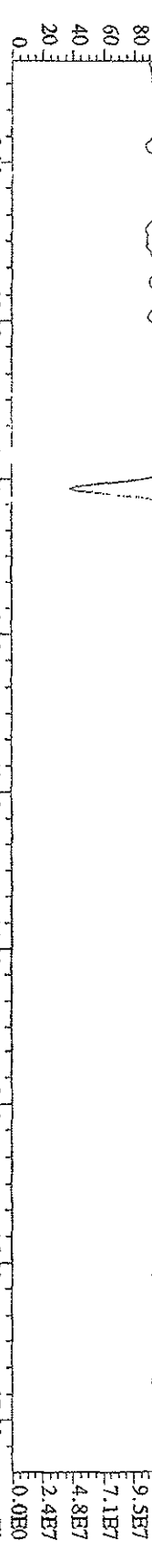
File:151A09D9D5 #1-378 Acq:16-JAN-2009 01:35:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 495.6856 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,664,0,0,00%,F,T)



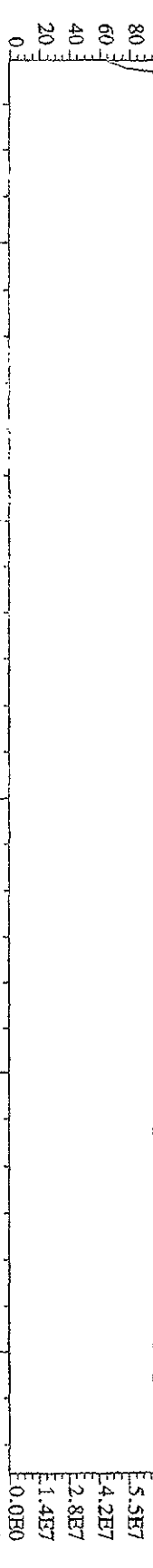
File:151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC FI + Voltage STR Autospec-UltimaB

Sample#7 Text:ST0115E 2nd Source 09DXN035 Exp:209DB5

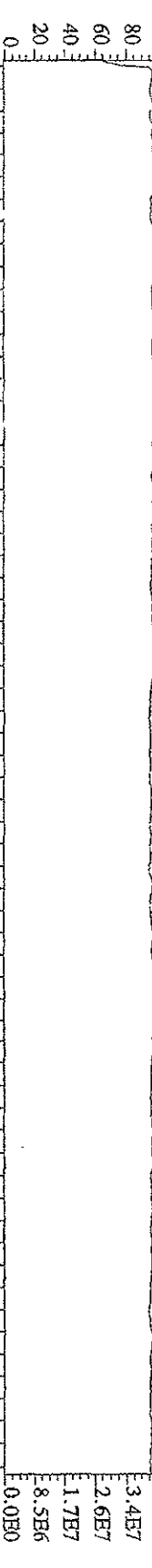
218.9856 S:7 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F) 11:33 12:05 12:52 13:51 14:35 15:48 16:22 16:54 1:2E8



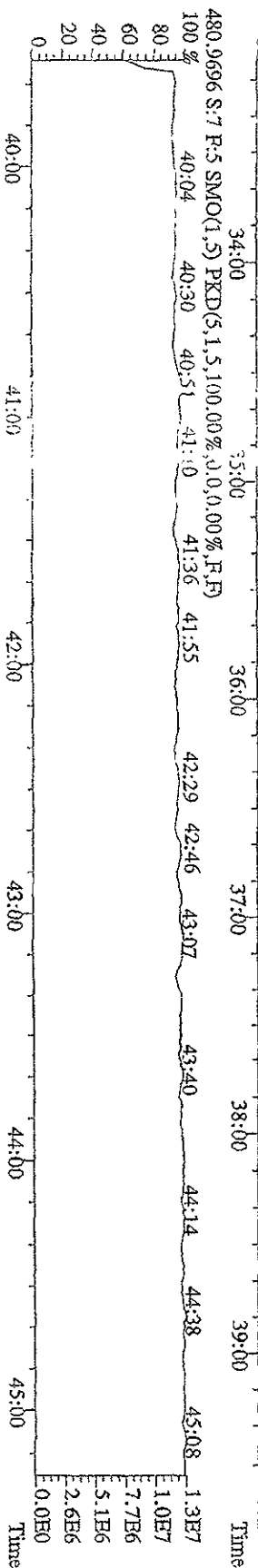
330.9792 S:7 F:2 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F) 17:40 17:58 18:17 18:50 19:20 20:12 20:40 20:57 21:19 21:45 22:16 6.9E7



380.9760 S:7 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F) 22:57 23:45 24:56 25:27 26:01 26:52 27:58 29:00 29:45 30:44 31:19 32:04 32:43 4.3E7



480.9696 S:7 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F) 33:32 34:13 35:05 35:43 36:05 36:40 37:07 37:29 38:13 38:35 39:04 3.8E7



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

TestAmerica West Sacramento  
High Resolution Prep Log  
PCB Solid Analysis

Box # 37  
Shared QC Batch: GMA  
Shares QC With: NA



Internal COC:	
Delivered to Inst.:	<u>L4-29-09</u>
Inst Receipt:	

Batch: **9117268**  
MS Run #:  
Prep Date: 4/27/2009  
Method: Q8 1668  
Matrix: A SOLID  
Extraction: 4W SOXHLET (NOMINAL)  
QC: 6Q CLIENT: STD BZ  
SAC: Q8 - A - 4W - 6Q

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	<u>645200</u>
Hexane	Baker	<u>641624</u>
H2SO4	Baker	<u>NA</u>
20% DCM:Hexane	NA	<u>NA</u>
65% DCM:Hexane	NA	<u>3630-1910</u>
Silica Gel	<u>Whatman</u>	<u>22-22</u>
Acid Alumina	<u>NA</u>	<u>37</u>

Soxhlet time on: 1800 Soxhlet time off: 1000

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 10g nom.	Final Volume		Analysis Hold Time Expires
					20uL	Other	
G9D030340 - 1		K9LEP1AC	3/31/2010	<u>10.00</u>	/		3/31/2010
G9D030340 - 2		K9LEQ1AC	4/1/2010	<u>10.15</u>	/		4/1/2010
G9D030340 - 3		K9LER1AC	4/1/2010	<u>10.45</u>	/		4/1/2010
G9D030340 - 4		K9LET1AC	4/1/2010	<u>10.21</u>	/		4/1/2010
G9D030340 - 5		K9LEV1AC	4/1/2010	<u>10.00</u>	/		4/1/2010
G9D040182 - 1		K9L381AC	3/31/2010	<u>10.15</u>	/	<u>2</u>	3/31/2010
G9D040182 - 2		K9L391AC	3/31/2010	<u>10.15</u>	/	<u>4-29-09</u>	3/31/2010
G9D040182 - 3		K9L4A1AC	3/31/2010	<u>10.15</u>	/		3/31/2010
G9D270000 - 268	B	LAT8P1AA	3/31/2010	<u>10.00</u>	/		3/31/2010
G9D270000 - 268	C	LAT8P1AC	3/31/2010	<u>10.00</u>	/		3/31/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs: MB + LCS FV = 20.00 samples would only blow down to 9.00. 4-29-09

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	<u>100.0ml WDX148</u>	<u>6.25.10</u>	<u>L</u>	<u>UC</u>	<u>4.27.09</u>
Spike Mix LCS/LCSD/MS/MS	<u>100.0ml WDX145.15</u>	<u>7.15.09</u>	<u>L</u>	<u>UC</u>	<u>4.27.09</u>
Cleanup Standard All Samples	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Recovery Standard All Samples	<u>20.0ml WDX1094</u>	<u>1-28-2010</u>	<u>L</u>	<u>BC</u>	<u>4-29-09</u>
Soxhlet Extraction Analyst/Date	<u>UC / 4.27.09</u>				

Split/Archive Analyst/Date	Option C Analyst/Date	PCB Silica Gel Analyst/Date	PCB Acid Alumina Analyst/Date	Hg Analyst/Date	GPC Analyst/Date
<u>-</u>	<u>-</u>	<u>4-29-09</u>	<u>4-29-09</u>	<u>-</u>	<u>-</u>

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 4/29/09  
Time: 15:10:22

<u>LEV</u>	<u>LEV</u>	<u>LEV</u>	<u>LEV</u>
<u>1</u>	<u>2</u>	<u>1</u>	<u>2</u>
Y	Y	Y	Y
Y	Y	Y	Y
-	-	-	-

Blank  
Check  
MS/MSD

Weights/Volumes  
Spike & Surrogate Worksheet  
Vial contains correct volume  
Labels, greenbars, worksheets  
computer batch: correct & all match  
Anomalies to Extraction Method

Expanded Deliverable  
COC Completed  
Bench Sheet Copied  
Package Submitted to Analytical Group  
Bench Sheet Copied per COC

Extractionist: 002084 Ceasar Cortez

Concentrationist: 006625 Elizabeth Nguyen

\*\*\*\*\*  
\* QC BATCH: 9117268 \*  
\* PREP DATE: 4/27/09 18:00 \*  
\* COMP DATE: 4/29/09 10:00 \*  
\*\*\*\*\*

Reviewer/Date: NGUYENE / 4/29/09

PCBs, HRCG/HRMS (1668)  
SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN# ORDER	TEST FLGS	EXT MTH	MATRIX	INIT WT/VOL	PH'S ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID
3/31/10	5/01/09	G9D030340-001	K9LEP-1-AC	4W Q8	SOLID	10.00g 20.00uL	NA	NA	NA	TOL	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
4/01/10	5/01/09	G9D030340-002	K9LEQ-1-AC	4W Q8	SOLID	10.18g 20.00uL	NA	NA	NA	TOL	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
4/01/10	5/01/09	G9D030340-003	K9LER-1-AC	4W Q8	SOLID	10.43g 20.00uL	NA	NA	NA	TOL	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
4/01/10	5/01/09	G9D030340-004	K9LET-1-AC	4W Q8	SOLID	10.21g 20.00uL	NA	NA	NA	TOL	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
4/01/10	5/01/09	G9D030340-005	K9LEV-1-AC	4W Q8	SOLID	10.06g 20.00uL	NA	NA	NA	TOL	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
3/31/10	5/01/09	G9D040182-001	K9L38-1-AC	4W Q8	SOLID	10.15g 20.00uL	NA	NA	NA	TOL	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
3/31/10	5/01/09	G9D040182-002	K9L39-1-AC	4W Q8	SOLID	10.25g 20.00uL	NA	NA	NA	TOL	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												



RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 4/29/09  
Time: 15:10:22

\*\*\*\*\*  
\* QC BATCH: 9117268 \*  
\* PREP DATE: 4/27/09 18:00  
\* COMP DATE: 4/29/09 10:00  
\*\*\*\*\*

EXTR EXPR	ANL DUE	LOT#, MBRUN#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH"S ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS	SURROGATE ID
3/31/10	5/01/09	G9D040182-003 K9L4A-1-AC		4W	Q8 SOLID	10.07g 20.00uL	NA	NA	TOL	300.0	.0	100.0UL IS 09DXN148
3/31/10	0/00/00	G9D270000-268 LAI8P-1-AAAB		4W	Q8 SOLID	10.00g 20.00uL	NA	NA	TOL	300.0	.0	100.0UL IS 09DXN148
3/31/10	0/00/00	G9D270000-268 LAI8P-1-ACC		4W	Q8 SOLID	10.00g 20.00uL	NA	NA	TOL	300.0	.0	100.0UL NS STD0145-08 100.0UL IS 09DXN148

COMMENTS:

COMMENTS:

COMMENTS:

R = RUSH C = CLIP  
E = EPA 600 D = EXP-DEL)  
M = CLIENT REQ MS/MSD  
NUMBER OF WORK ORDERS IN BATCH: 10

Preparation Data Review Checklist

Prep Batch(es) 91172208 Test: 11/10/09  
 Prep Date: 4/22/09 Holding Times: 13.21.10 NCM: Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	/	/
2. QAS checked for QC instructions (LCS, LCSD, MS, MSD, etc)	/	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	/	NA
4. Worksheets have been checked for required spiking compounds	/	/
5. Spiking volumes are correctly documented	/	/
6. Std ID numbers on spike labels match numbers on bench sheet	/	NA
7. Expiration dates have been checked	/	/
8. Calibration expiration dates on pipettors have been checked	/	NA
9. Spiker and spike witness have signed and dated bench sheet	/	/
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	/
2. Balance upload or raw data for weights is included	NA	/
3. Weights and volumes have been transcribed correctly to LIMS.	NA	/
4. Weights are not targeted to meet exact weights.	NA	/
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	/
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	/
2. Are dates and analysts for cleanups recorded?	NA	/
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	/
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMS entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: Court Gardner Date: 4/27/09

2<sup>nd</sup> Level Reviewer: JL Date: 4/29/09

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Data Checklist**  
**HRGCMS/LRGCMS Analyses**

THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 9117268 Method ID: 11668

Data Analyst: Sh DB-5  
Date initiated: 9/6/09  
Reviewer: JL  
Date reviewed: 05/10/09

DB-225  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

QA/QC verification:

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Method Blank present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-LCS/DCS copy present and meets native recovery criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Internal standard recoveries within limits?*	<input checked="" type="checkbox"/> (5)	<input checked="" type="checkbox"/>	_____	_____
-Ion ratios within + 15% of theoretical values?	<input checked="" type="checkbox"/> (0.23)	<input checked="" type="checkbox"/>	_____	_____
-Other QC (Dup,MS,SD) within specs?*	<input checked="" type="checkbox"/> NA	<input checked="" type="checkbox"/> NA	_____	_____

Sample Analysis:

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-All raw data present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Standard target DL's used? If RL's are used specify: <u>20</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-DL's below TDL / LCL (please circle)?	<input checked="" type="checkbox"/> (4)	<input checked="" type="checkbox"/>	_____	_____
-All positives reported at levels greater than method blank DL's?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Correct RRF's used for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Internal standard amounts correct for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Target analytes are not saturated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Dilution/splitting of extract taken into account?	<input checked="" type="checkbox"/> NA	<input checked="" type="checkbox"/> NA	_____	_____
-Have dilution calculations been verified?	<input checked="" type="checkbox"/> NA	<input checked="" type="checkbox"/> NA	_____	_____
-Has a manual calculation for the sequence(s) been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Are retention times (RT) correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Manual integrations checked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____

Comments: (Use other side if necessary) ① 91735 ② 91736 ③ 91737 ④ 91738  
⑤ 91770

\* Recovery limits:

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%*** (CI4-CI6), 25-130% (CI7-8), 70-130% (surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614:	25-150%***

\*\*RPD limits:

50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

# WATER, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

Run text: LAVAT-1-AA      Sample text: LAVAT-1-AA :F9D210216-2MB  
 Run #7 Filename: 29AP09C9D5 S: 11 I: 1      Results: 29ap09c9d51668mslde7  
 Acquired: 30-APR-09 03:47:07      Processed: 30-APR-09 13:19:28  
 Run: 29AP09C9D5      Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 1.00 L

*RL=20*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	226406400	0.65 y	24:25	-	92.60	-	-	n
13C-TCB-81	195187400	0.79 y	25:59	0.95	1820.16	1.86	91.0	n
TCB-81	130785	0.79 y	25:59	1.28	1.05	0.50	-	n
13C-TCB-77	200869200	0.79 y	26:32	0.98	1806.20	1.79	90.3	n
TCB-77	220423	0.92 n	26:34	1.10	1.99	0.59	-	n
13C-PeCB-123	175963800	0.64 y	27:54	0.87	1783.66	0.95	89.2	n
PeCB-123	278241	0.55 y	27:57	1.51	2.10	0.62	-	y
13C-PeCB-118	196639700	0.65 y	28:01	0.98	1764.34	0.84	88.2	n
PeCB-118/106	4696740	0.59 y	28:02	1.53	31.26	0.57	-	y
13C-PeCB-114	194855400	0.66 y	28:41	0.97	1781.25	0.85	89.1	n
PeCB-114	193851	0.54 y	28:42	1.59	1.25	0.58	-	n
13C-PeCB-105	186355500	0.64 y	29:33	0.90	1834.74	0.92	91.7	n
PeCB-105/127	2222159	0.67 y	29:34	1.42	16.77	0.72	-	n
13C-PeCB-126	214084600	0.64 y	31:26	0.91	2074.74	0.91	103.7	n
PeCB-126	*	* n	NotFnd	1.17	*	0.84	-	n
13C-OcCB-202	237166000	0.84 y	33:44	-	92.15	-	-	n
13C-HxCB-167	194929100	1.28 y	32:34	0.84	1953.29	1.52	97.7	n
HxCB-167	1482806	1.49 n	32:30	1.17	13.02	0.54	-	n
13C-HxCB-156	167986700	1.31 y	33:52	0.67	2113.66	1.91	105.7	n
HxCB-156	1320094	1.33 y	33:53	1.45	10.82	0.51	-	n
13C-HxCB-157	176073600	1.29 y	34:10	0.71	2100.65	1.81	105.0	n
HxCB-157	229971	1.12 y	34:10	1.45	1.81	0.48	-	n
13C-HxCB-169	194428200	1.30 y	36:01	0.73	2235.31	1.75	111.8	n
HxCB-169	*	* n	NotFnd	0.99	*	0.63	-	n
13C-HpCB-180	117826600	1.05 y	34:49	0.58	1699.60	1.30	85.0	n
HpCB-180	5239190	1.12 y	34:50	1.27	70.29	4.57	-	n
13C-HpCB-170	105064100	1.05 y	36:28	0.47	1867.56	1.61	93.4	n
HpCB-170/190	3671520	1.11 y	36:29	1.61	43.51	3.94	-	n
13C-HpCB-189	143834200	1.04 y	38:06	0.60	2026.54	1.27	101.3	n
HpCB-189	*	* n	NotFnd	1.21	*	3.75	-	n
13C-DeCB-209	57382100	0.72 y	43:27	0.46	1051.58	0.46	52.6	n
DeCB-209	47064	1.00 n	43:27	1.50	1.09	0.90	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.96	*	n

*Sh 5/6/05*

Run text: LAVAT-1-AA      Sample text: LAVAT-1-AA :F9D210216-2MB  
 Run #7    Filename: 29AP09C9D5    S: 11    I: 1      Results: 29AP09C9D51668MSLDEC  
 Acquired: 30-APR-09    03:47:07      Processed: 30-APR-09    13:19:28  
 Run: 29AP09C9D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 1.000000L

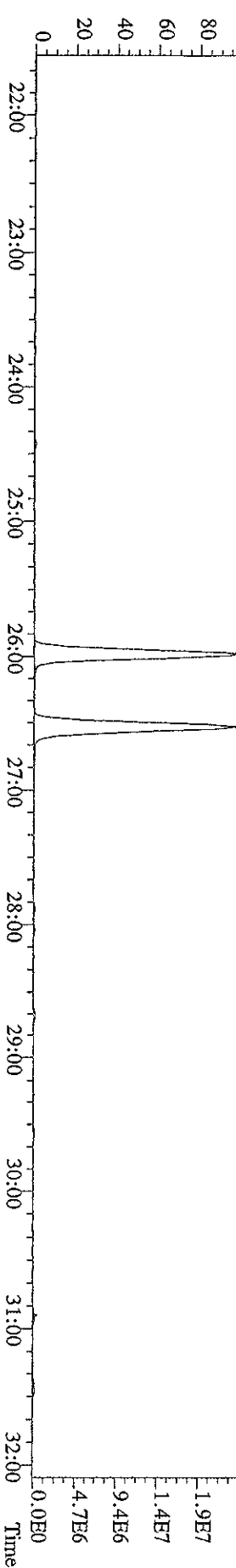
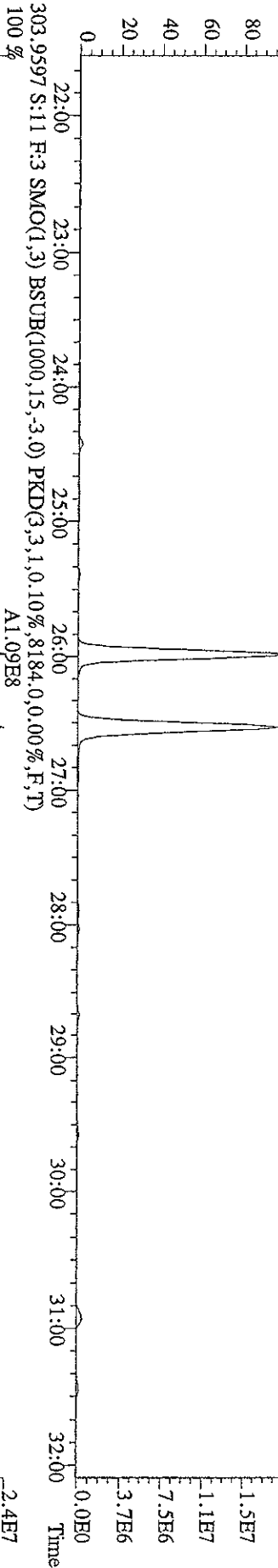
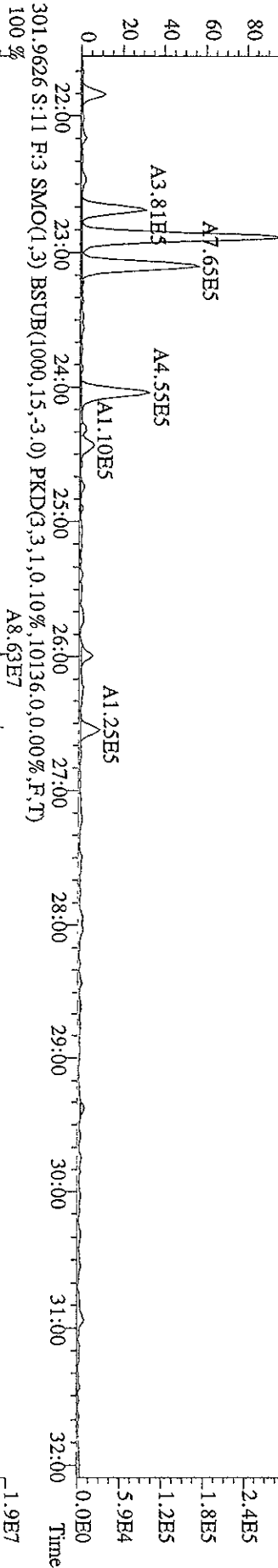
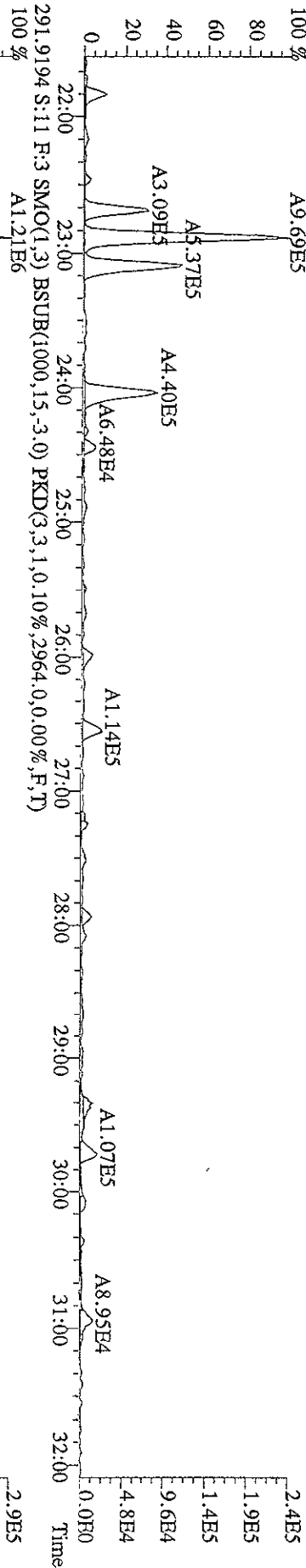
*21.20*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	226406400	0.65 y	24:25	-	92.60	-	-	n
13C-TCB-81	195187400	0.79 y	25:59	0.95	1820.16	1.86	91.0	n
TCB-81	130785	0.79 y	25:59	1.28	1.05	0.50	-	n
13C-TCB-77	200869200	0.79 y	26:32	0.98	1806.20	1.79	90.3	n
TCB-77	220423	0.92 n	26:34	1.10	1.99	0.59	-	n
13C-PeCB-123	175963800	0.64 y	27:54	0.87	1783.66	0.95	89.2	n
PeCB-123	*	* n	NotFnd	1.51	*	0.62	-	n
13C-PeCB-118	196639700	0.65 y	28:01	0.98	1764.34	0.84	88.2	n
PeCB-118/106	4974240	0.59 y	28:02	1.53	33.11	0.57	-	n
13C-PeCB-114	194855400	0.66 y	28:41	0.97	1781.25	0.85	89.1	n
PeCB-114	193851	0.54 y	28:42	1.59	1.25	0.58	-	n
13C-PeCB-105	186355500	0.64 y	29:33	0.90	1834.74	0.92	91.7	n
PeCB-105/127	2222159	0.67 y	29:34	1.42	16.77	0.72	-	n
13C-PeCB-126	214084600	0.64 y	31:26	0.91	2074.74	0.91	103.7	n
PeCB-126	*	* n	NotFnd	1.17	*	0.84	-	n
13C-OcCB-202	237166000	0.84 y	33:44	-	92.15	-	-	n
13C-HxCB-167	194929100	1.28 y	32:34	0.84	1953.29	1.52	97.7	n
HxCB-167	1482806	1.49 n	32:30	1.17	13.02	0.54	-	n
13C-HxCB-156	167986700	1.31 y	33:52	0.67	2113.66	1.91	105.7	n
HxCB-156	1320094	1.33 y	33:53	1.45	10.82	0.51	-	n
13C-HxCB-157	176073600	1.29 y	34:10	0.71	2100.65	1.81	105.0	n
HxCB-157	229971	1.12 y	34:10	1.45	1.81	0.48	-	n
13C-HxCB-169	194428200	1.30 y	36:01	0.73	2235.31	1.75	111.8	n
HxCB-169	*	* n	NotFnd	0.99	*	0.63	-	n
13C-HpCB-180	117826600	1.05 y	34:49	0.58	1699.60	1.30	85.0	n
HpCB-180	5239190	1.12 y	34:50	1.27	70.29	4.57	-	n
13C-HpCB-170	105064100	1.05 y	36:28	0.47	1867.56	1.61	93.4	n
HpCB-170/190	3671520	1.11 y	36:29	1.61	43.51	3.94	-	n
13C-HpCB-189	143834200	1.04 y	38:06	0.60	2026.54	1.27	101.3	n
HpCB-189	*	* n	NotFnd	1.21	*	3.75	-	n
13C-DeCB-209	57382100	0.72 y	43:27	0.46	1051.58	0.46	52.6	n
DeCB-209	47064	1.00 n	43:27	1.50	1.09	0.90	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.96	*	n

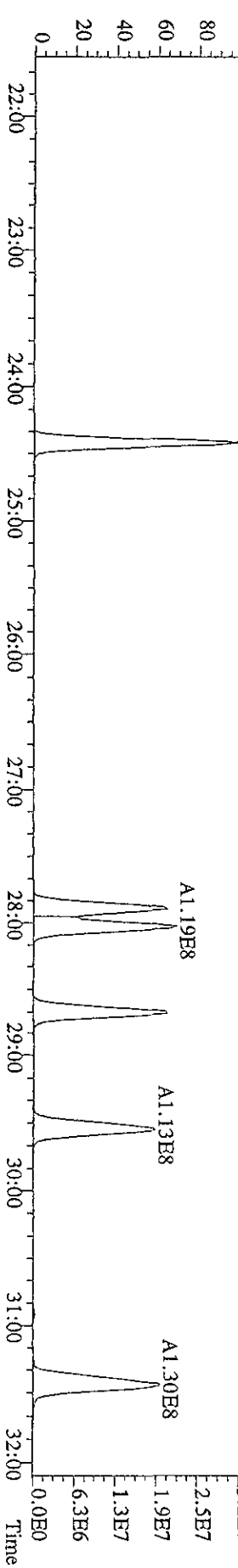
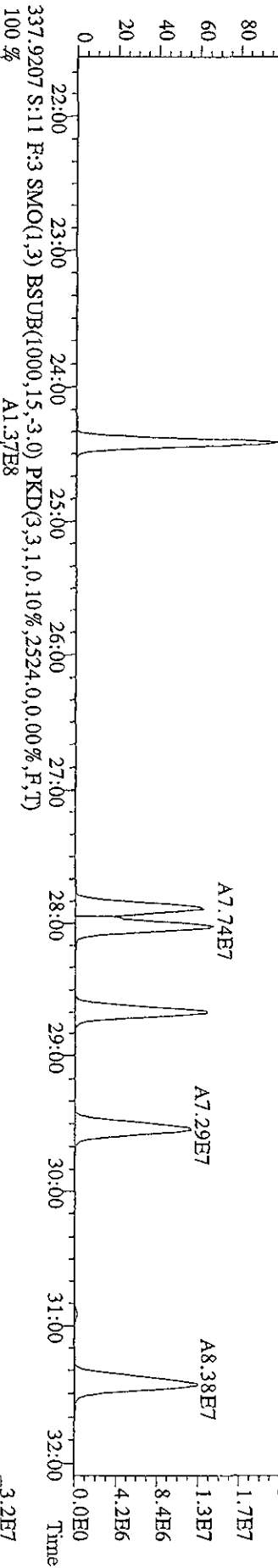
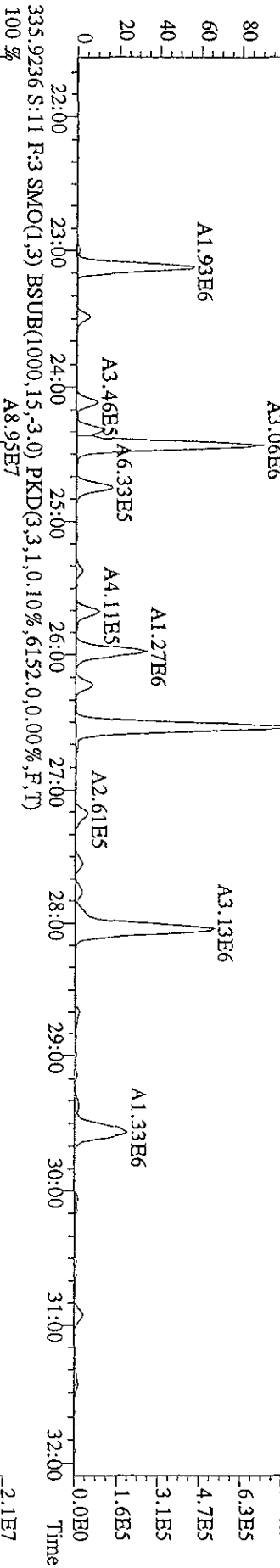
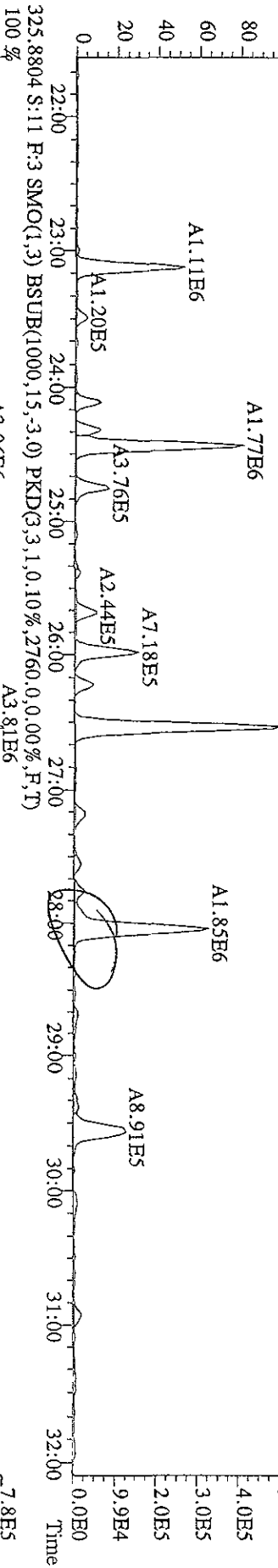
*NH*



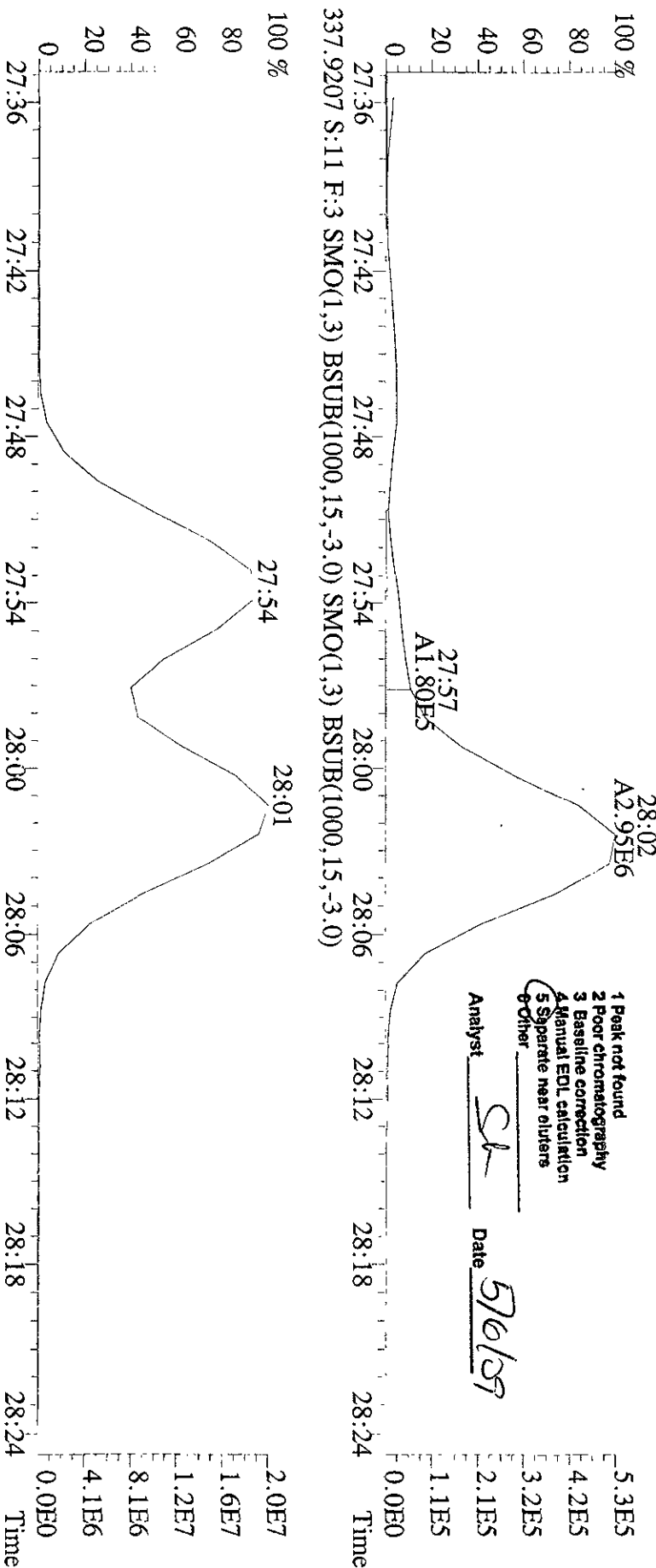
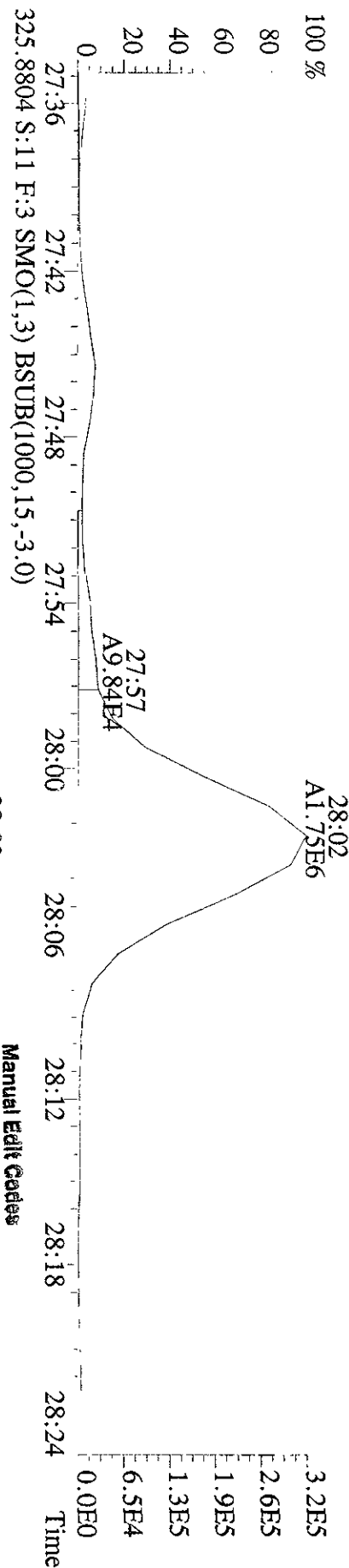
File:29AP09C9D5 #1 -594 Acq:30-APR-2009 03:47:07 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#11 Text:LAVAT-1-AA :P9D210216-2MB Exp:209DB5  
 289.9224 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2476,0,0.00%,F,T)  
 A9.69E5



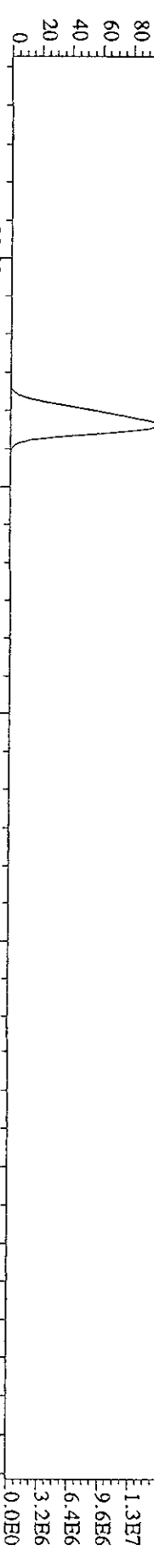
File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 03:47:07 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text: LAVAT-1-AA : F9D210216-2MB Exp: 209DB5  
 323,8834 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3512,0,0,00%,F,T)  
 100%



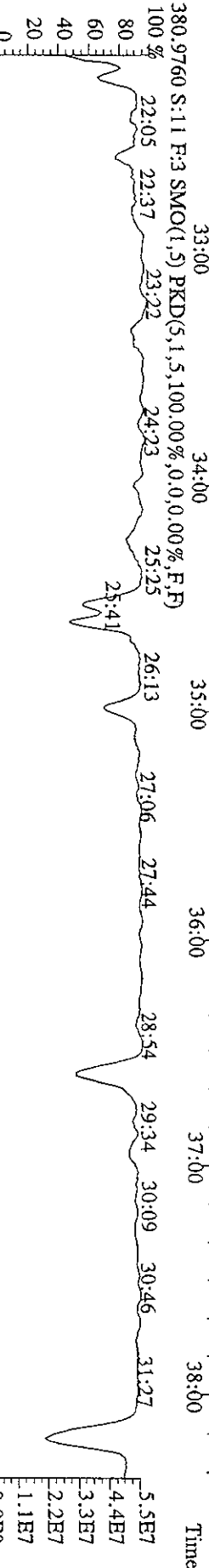
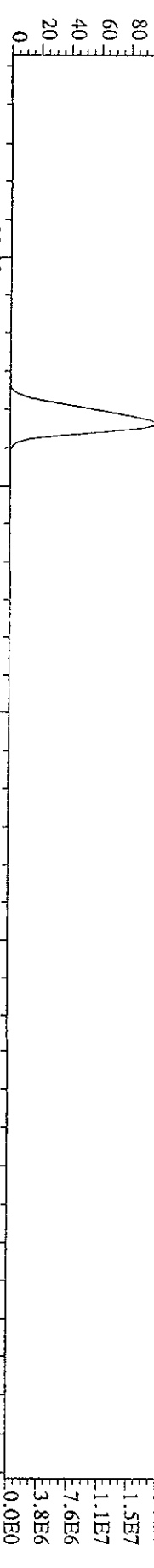
File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 03:47:07 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#11 Text: LAVAT-1-AA : F9D210216-2M Exp: 209DB5  
 323.8834 S: 11 F: 3 SMO(1,3) BSUB(1000,15,-3.0)



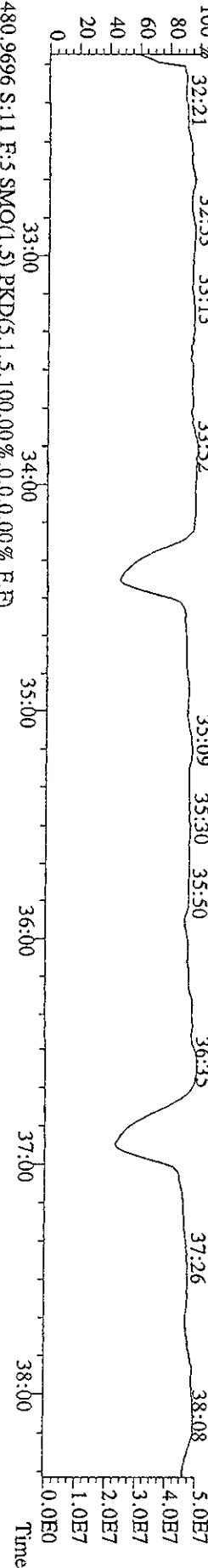
File:29AP09C9D5 #1-381 Acq:30-APR-2009 03:47:07 GC FI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text:LAVAT-1-AA :F9D210216-2MB Exp:209DB5  
 439.8038 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,128.0,0.00%,F,T)  
 A1.08E8



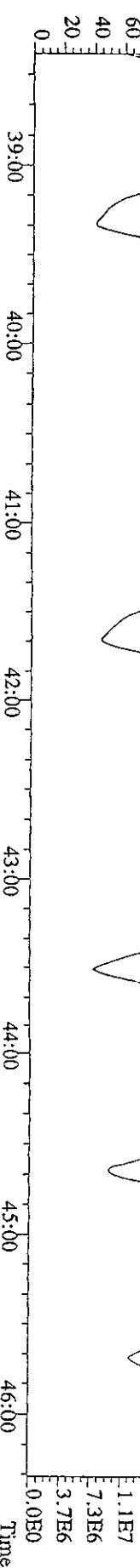
441.8008 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1060,0,0.00%,F,T)  
 A1.29E8



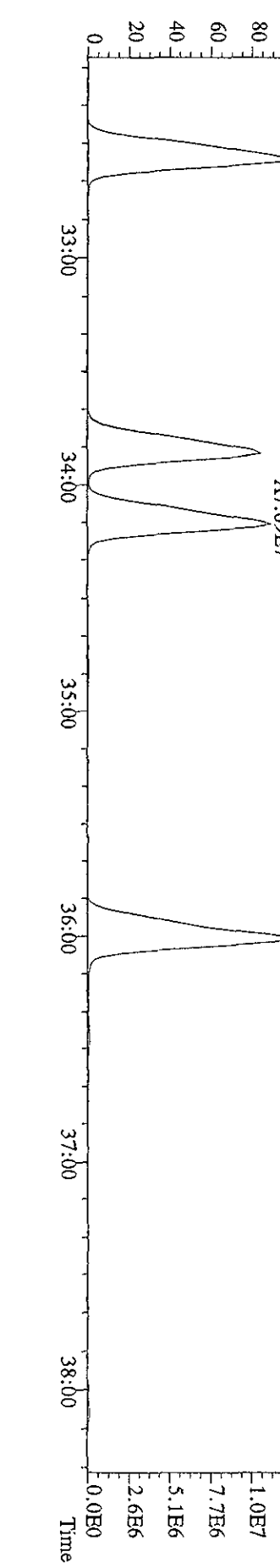
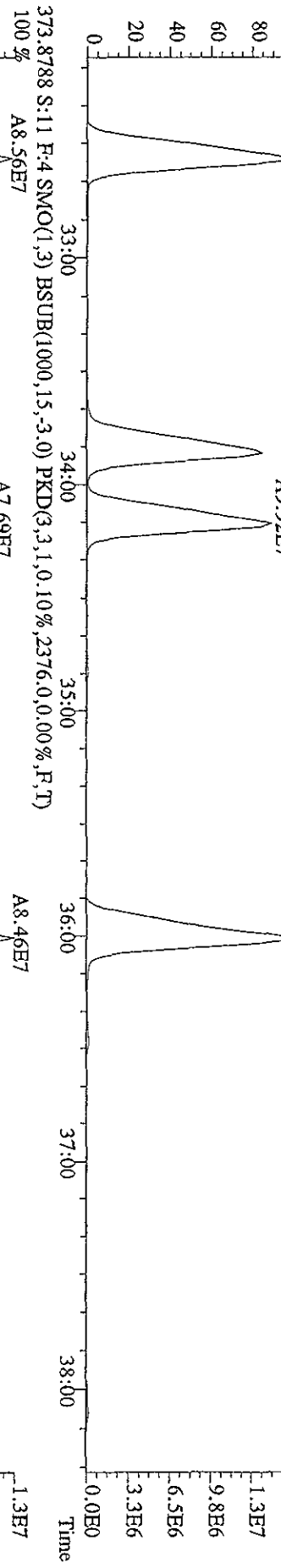
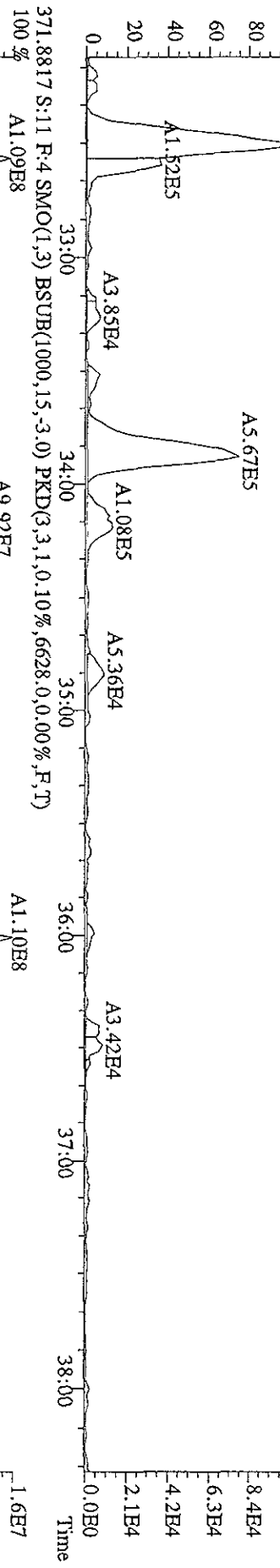
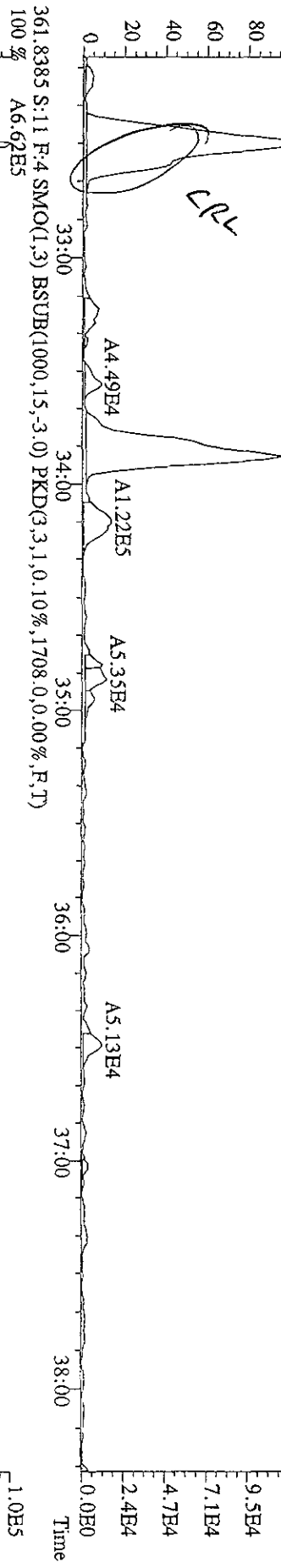
380.9760 S:11 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 32:21 32:53 33:13 33:52 35:09 35:30 35:50 36:35 37:26 38:08



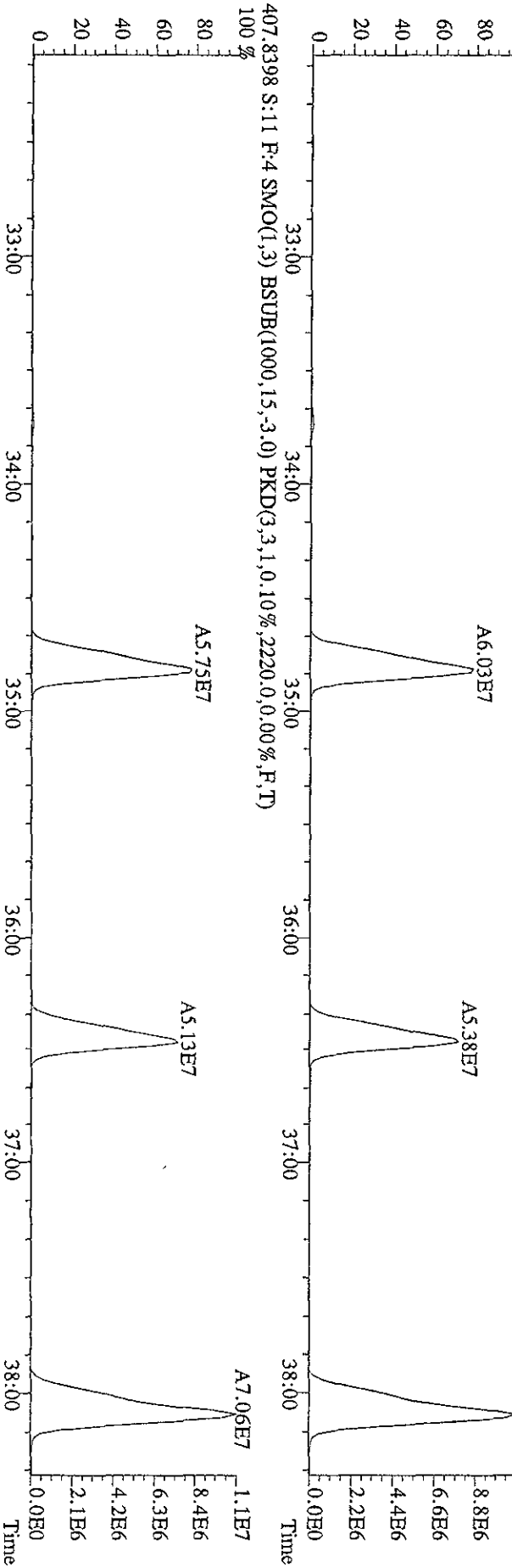
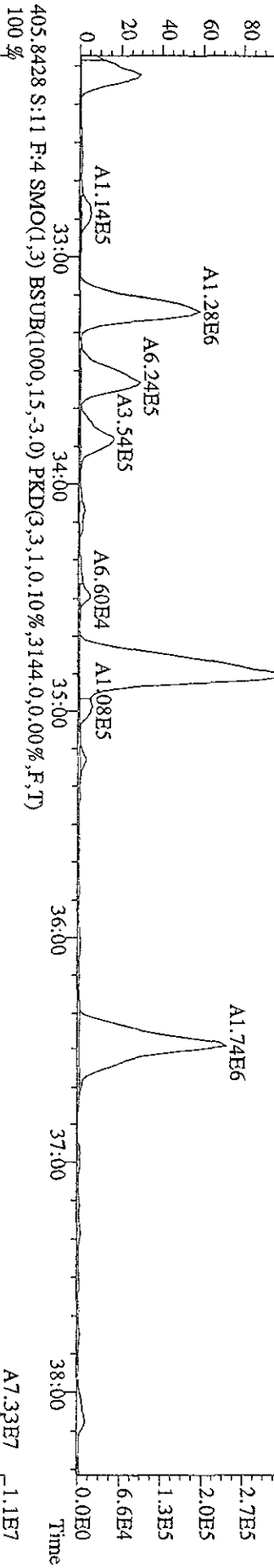
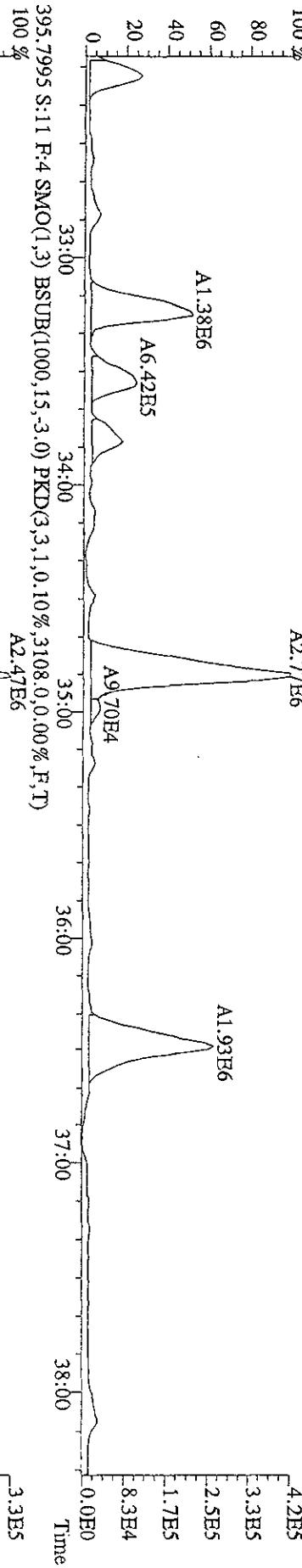
480.9696 S:11 F:5 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 38:52 39:31 39:55 40:35 41:11 42:06 42:37 43:17 44:09 44:57 45:31



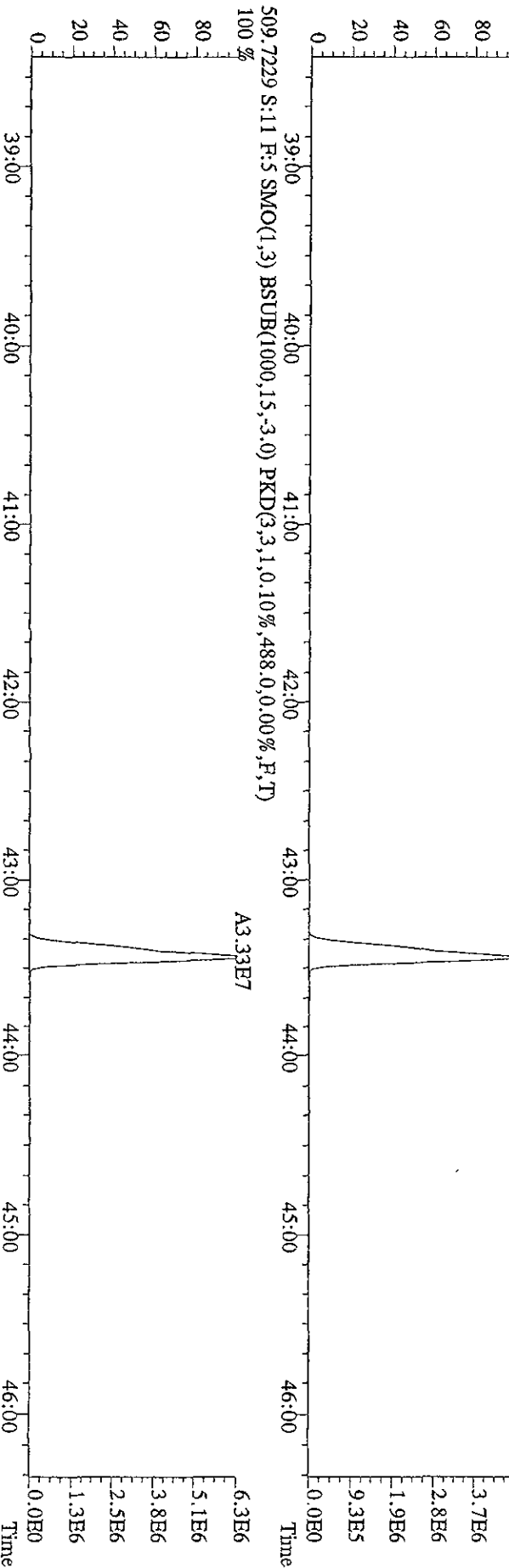
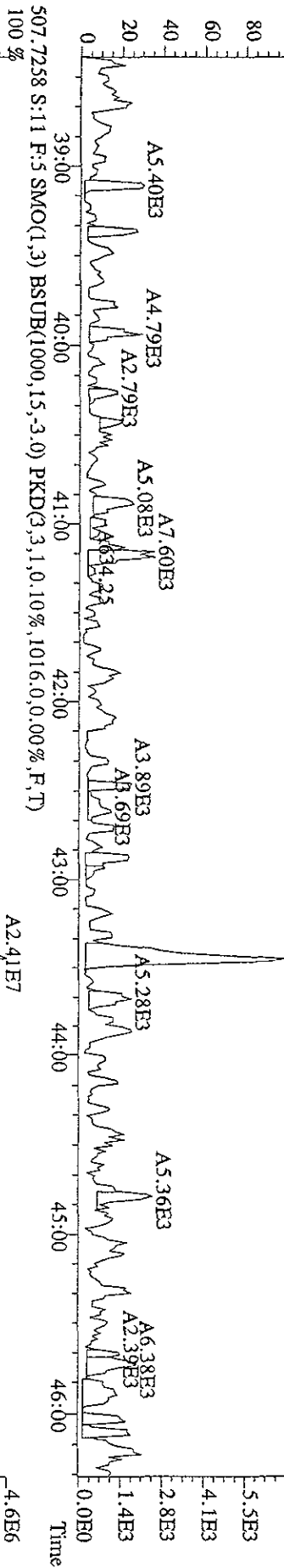
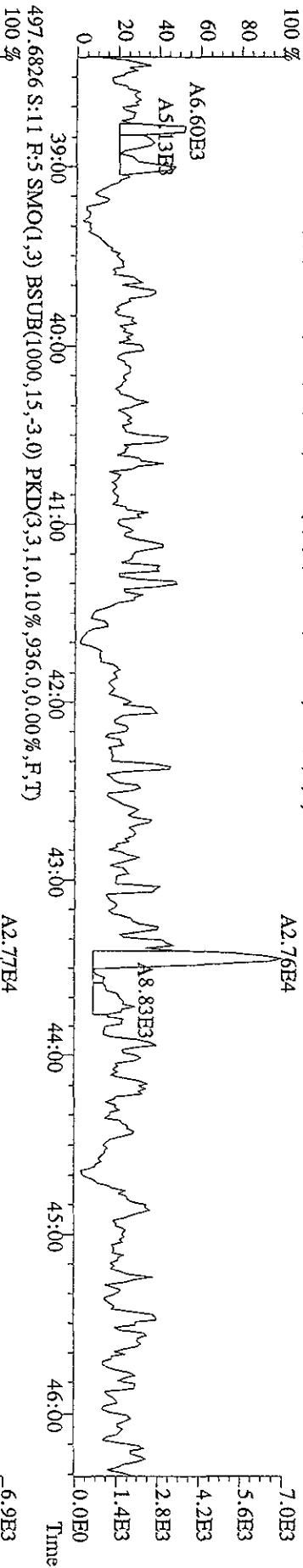
File:29AP09C9D5 #1-381 Acq:30-APR-2009 03:47:07 GC EI+ Voltage SIR Autospec-UtimaB  
 Sample#11 Text:LAVAT-1-AA :F9D210216-2MB Exp:209DB5  
 359.8415 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1936,0,0,00%,F,T)  
 100% A9.85E5 A7.53E5



File:29AP09C9D5 #1-381 Acq:30-APR-2009 03:47:07 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#11 Text:LAVAT-1-AA :F9DD210216-2MB Exp:209DB5  
 393.8025 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,16352.0,0.00%,F,T)  
 405.8428 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3144.0,0.00%,F,T)



File:29AP09C9D5 #1-529 Acq:30-APR-2009 03:47:07 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#11 Text:LAVAT-1-AA :F9D210216-2MB Exp:209DB5  
 495.6856 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2048,0.0,0.00%,F,T)  
 100 %



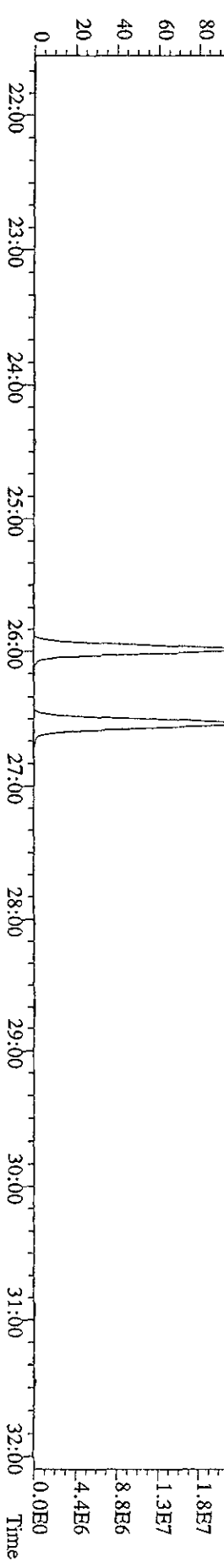
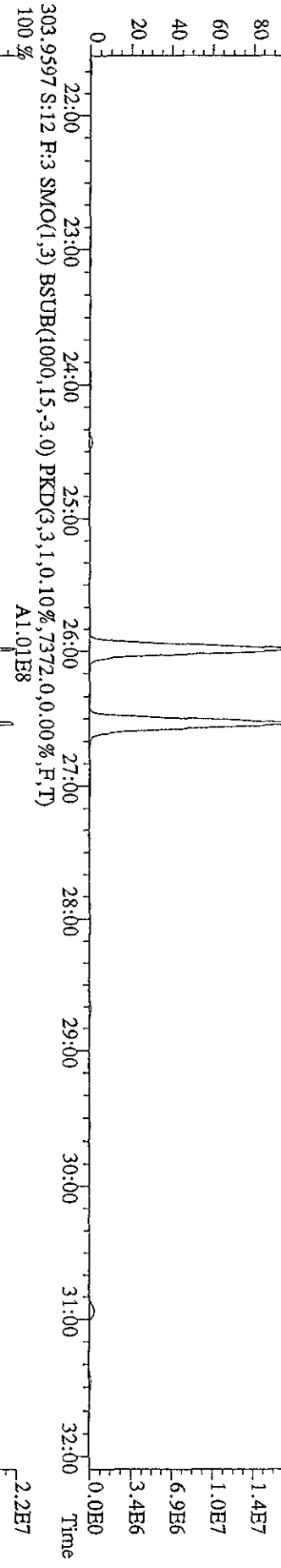
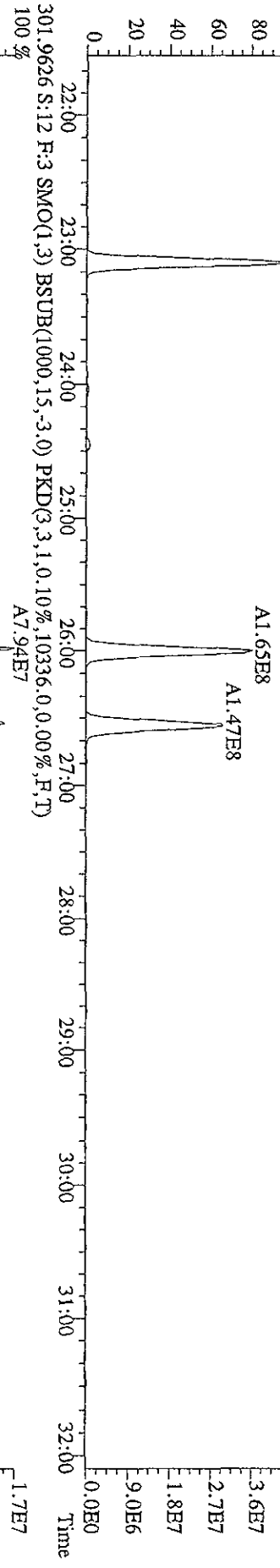
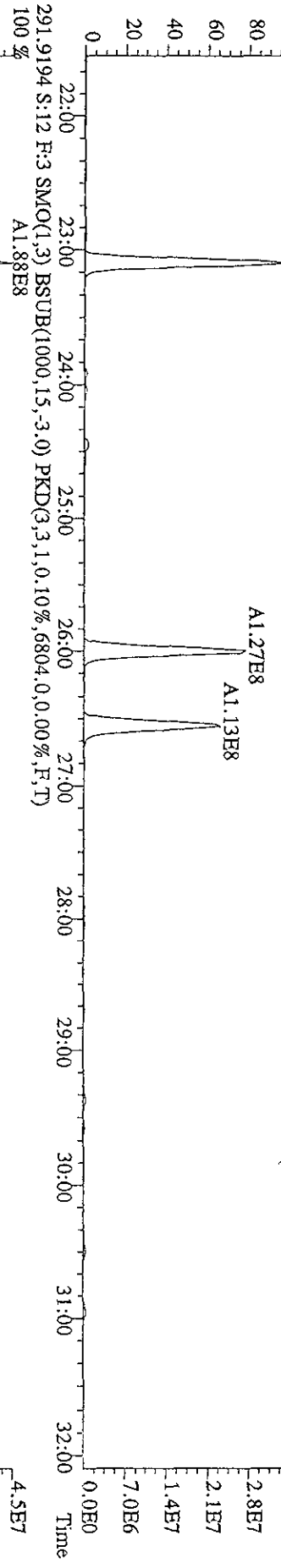
Run text: LAVAT-1-AC Sample text: LAVAT-1-AC :F9D210216-2LCS  
 Run #8 Filename: 29AP09C9D5 S: 12 I: 1 Results: 29AP09C9D51668MSLDEC  
 Acquired: 30-APR-09 04:38:26 Processed: 30-APR-09 13:19:30  
 Run: 29AP09C9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 1.000000L

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	223822500	0.66 y	24:26	-	91.54	-	-	n
13C-TCB-81	180332600	0.79 y	25:59	0.95	1701.05	1.83	85.1	n
TCB-81	291776000	0.77 y	26:00	1.28	2531.51	1.38	-	n
13C-TCB-77	186473800	0.76 y	26:33	0.98	1696.11	1.76	84.8	n
TCB-77	260396000	0.77 y	26:34	1.10	2531.02	1.65	-	n
13C-PeCB-123	163537200	0.64 y	27:54	0.87	1676.84	1.05	83.8	n
PeCB-123	296125000	0.59 y	27:55	1.51	2399.92	0.80	-	n
13C-PeCB-118	166252100	0.65 y	28:02	0.98	1508.91	0.93	75.4	n
PeCB-118/106	310828000	0.60 y	28:03	1.53	2447.10	0.79	-	n
13C-PeCB-114	172049700	0.65 y	28:41	0.97	1590.93	0.94	79.5	n
PeCB-114	327102000	0.60 y	28:42	1.59	2398.30	0.76	-	n
13C-PeCB-105	162905500	0.65 y	29:33	0.90	1622.38	1.02	81.1	n
PeCB-105/127	289645000	0.61 y	29:34	1.42	2500.26	0.97	-	n
13C-PeCB-126	188506600	0.65 y	31:27	0.91	1847.94	1.00	92.4	n
PeCB-126	265675200	0.60 y	31:28	1.17	2402.58	1.10	-	n
13C-OcCB-202	232901000	0.86 y	33:44	-	90.49	-	-	n
13C-HxCB-167	179102000	1.30 y	32:35	0.84	1827.55	1.93	91.4	n
HxCB-167	194085400	1.29 y	32:35	1.17	1854.21	3.11	-	n
13C-HxCB-156	153406700	1.32 y	33:52	0.67	1965.56	2.42	98.3	n
HxCB-156	280860000	1.27 y	33:53	1.45	2521.34	2.91	-	n
13C-HxCB-157	161265800	1.29 y	34:11	0.71	1959.22	2.30	98.0	n
HxCB-157	290399000	1.27 y	34:12	1.45	2489.90	2.79	-	n
13C-HxCB-169	179940400	1.30 y	36:01	0.73	2106.63	2.21	105.3	n
HxCB-169	220588400	1.28 y	36:03	0.99	2478.61	3.64	-	n
13C-HpCB-180	114735200	1.06 y	34:50	0.58	1685.32	1.28	84.3	n
HpCB-180	181933400	1.10 y	34:51	1.27	2506.59	4.94	-	n
13C-HpCB-170	106050300	1.04 y	36:28	0.47	1919.61	1.57	96.0	n
HpCB-170/190	200430400	1.08 y	36:29	1.61	2352.98	4.06	-	n
13C-HpCB-189	141950100	1.03 y	38:05	0.60	2036.62	1.25	101.8	n
HpCB-189	205513900	1.09 y	38:06	1.21	2400.22	4.17	-	n
13C-DeCB-209	74139300	0.73 y	43:27	0.46	1383.56	0.33	69.2	n
DECB-209	119316000	0.71 y	43:28	1.50	2139.05	0.68	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	1.11	*	n

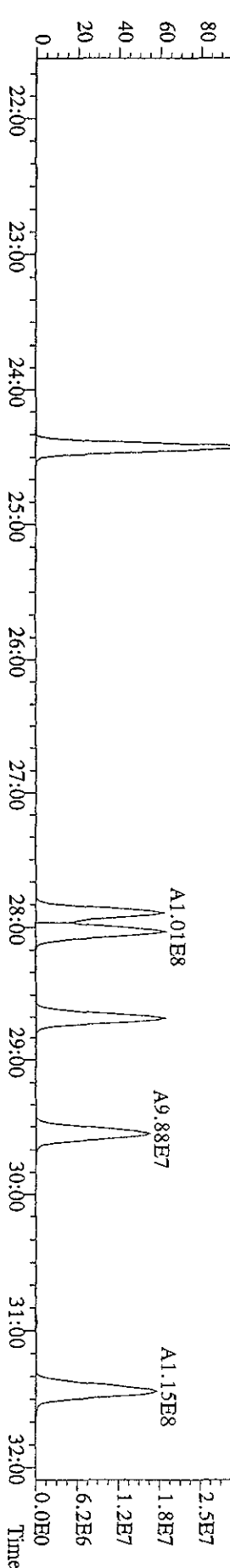
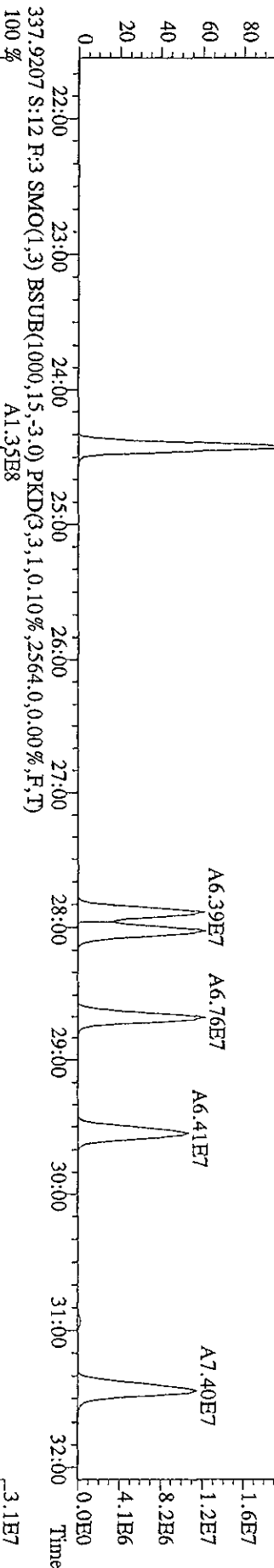
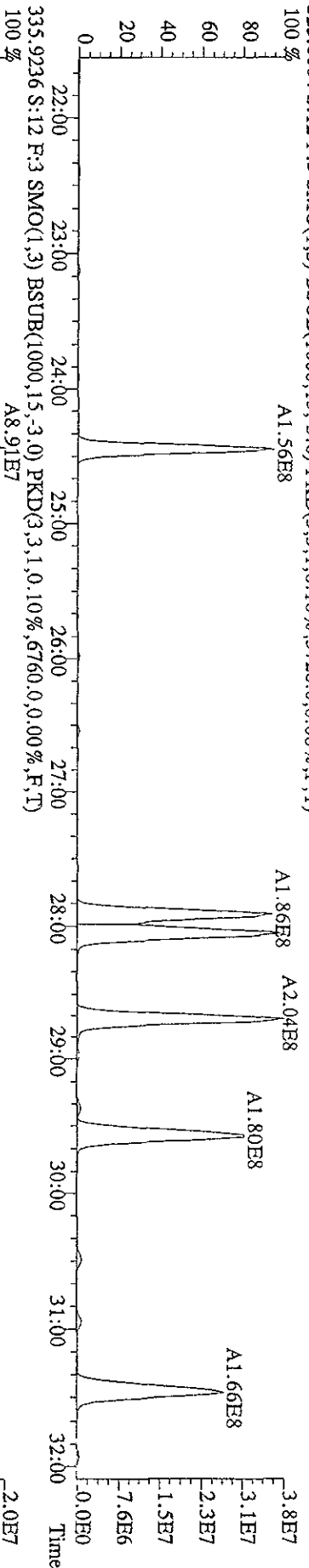
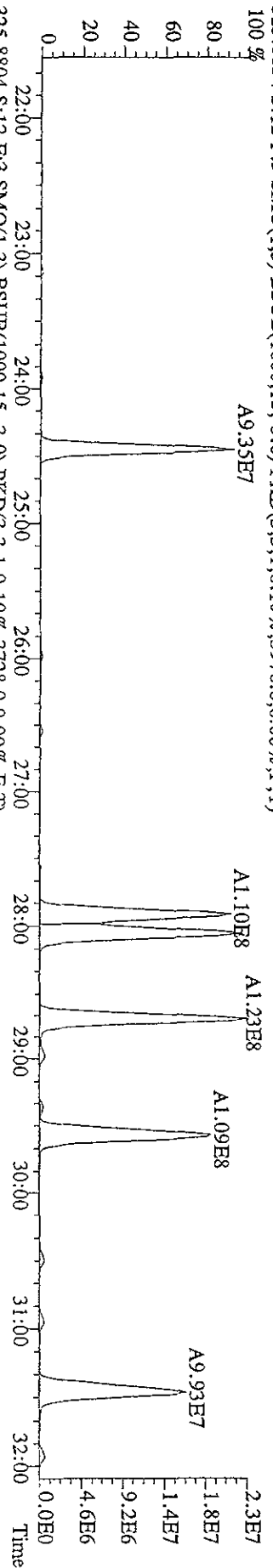
Sh 5/6/09



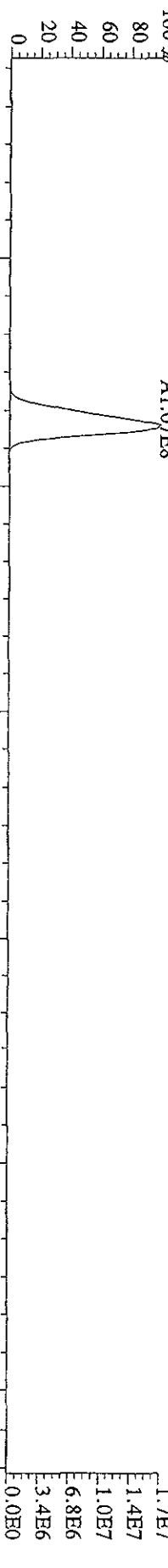
File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 04:38:26 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text: LAVAT-1-AC : F9D210216-2LCS Exp: 209DB5  
 289.9224 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7012.0,0.00%,F,T)  
 100%



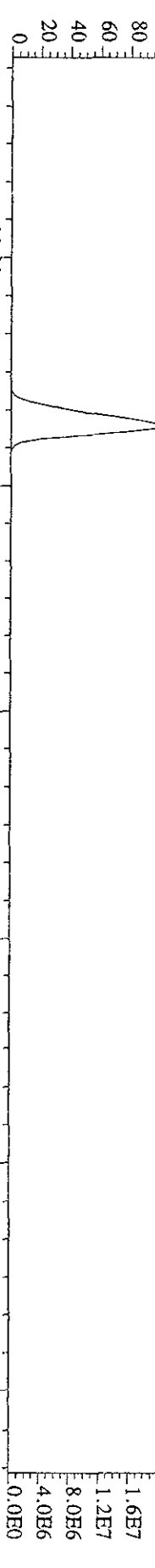
File:29AP09C9D5 #1-594 Acq:30-APR-2009 04:38:26 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#12 Text:LAVAT-1-AC :F9D210216-2LCS Exp:209DB5



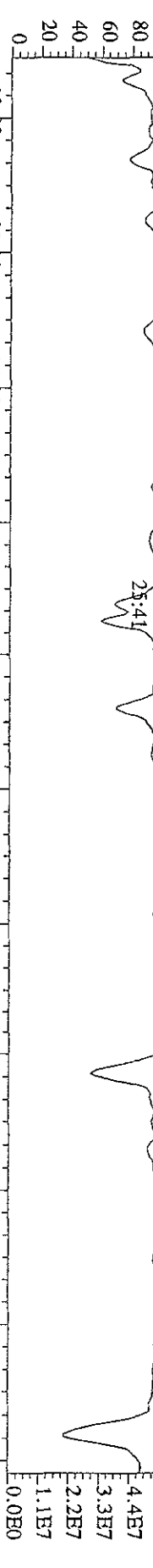
File: 29AP09C9D5 #1-381 Acq: 30-APR-2009 04:38:26 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#12 Text: LAVAT-1-AC : F9D210216-2LCS Exp: 209DB5  
 439,8038 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,520,0,0,00%,F,T)  
 100% A1,07E8



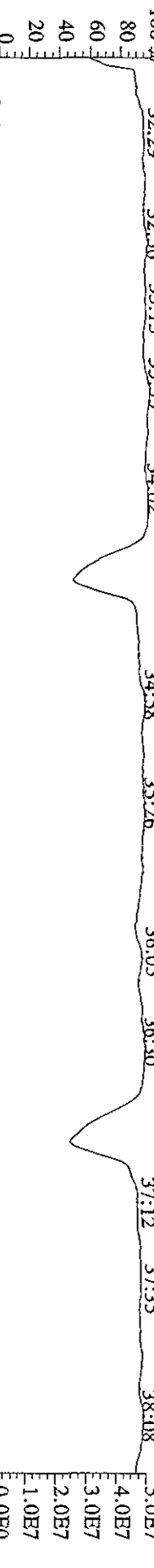
441,8008 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1160,0,0,00%,F,T)  
 100% A1,25E8



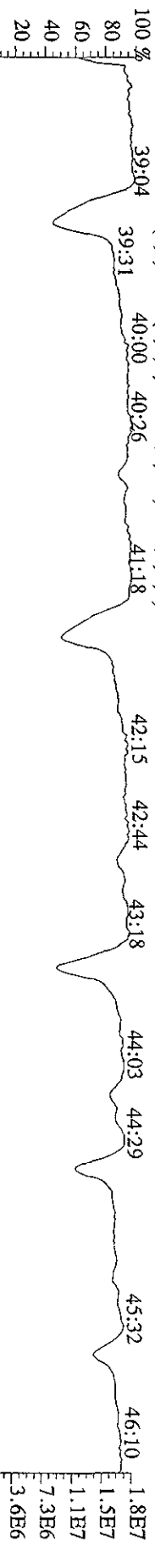
380,9760 S:12 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 21:56 22:33 23:13 23:57 24:38 25:25 26:02 26:41 27:04 28:11 28:58 29:56 30:41 31:13



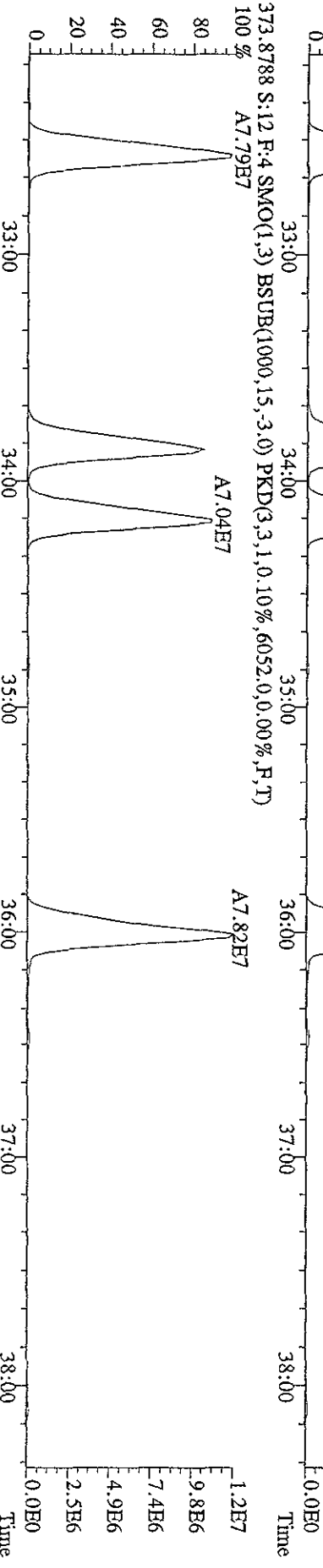
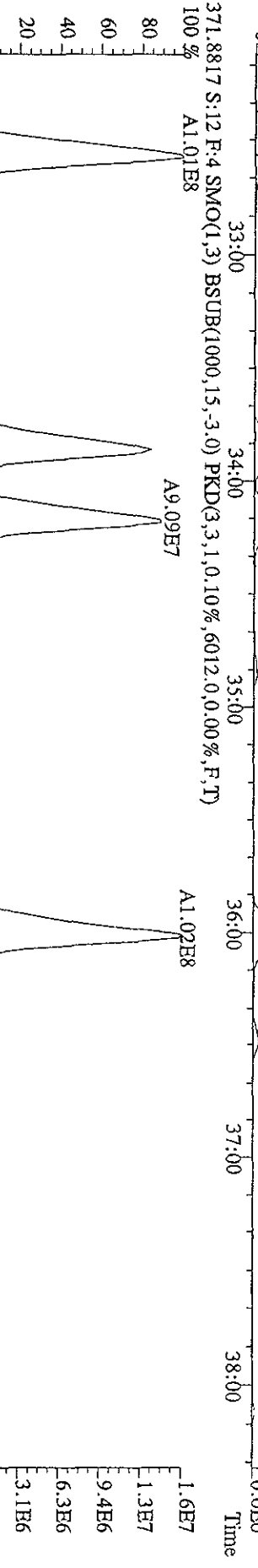
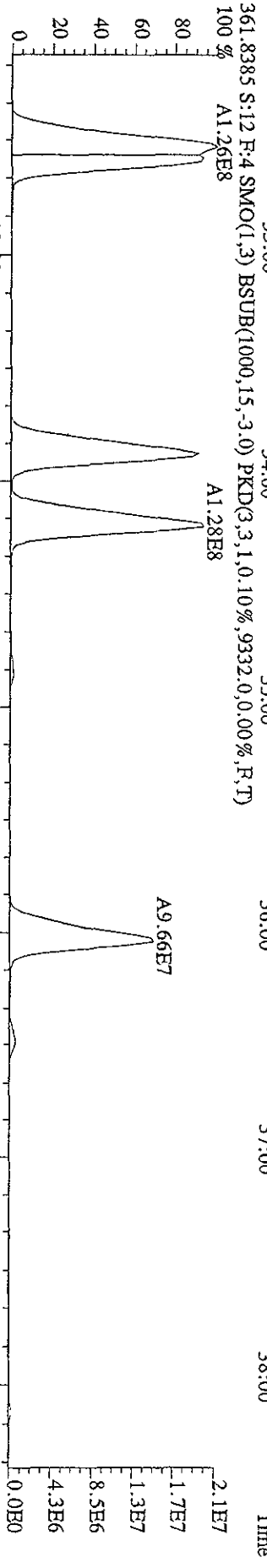
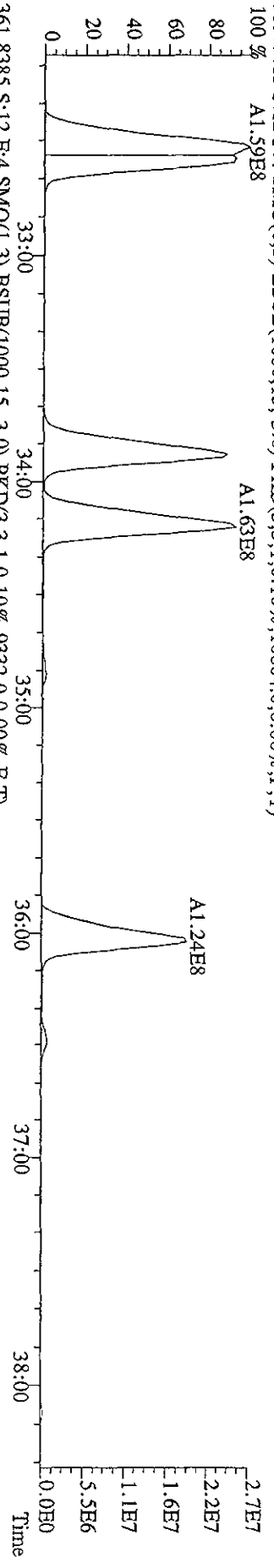
380,9760 S:12 F:4 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 32:29 32:56 33:15 33:35 34:02 34:58 35:26 36:05 36:30 37:12 37:35 38:08



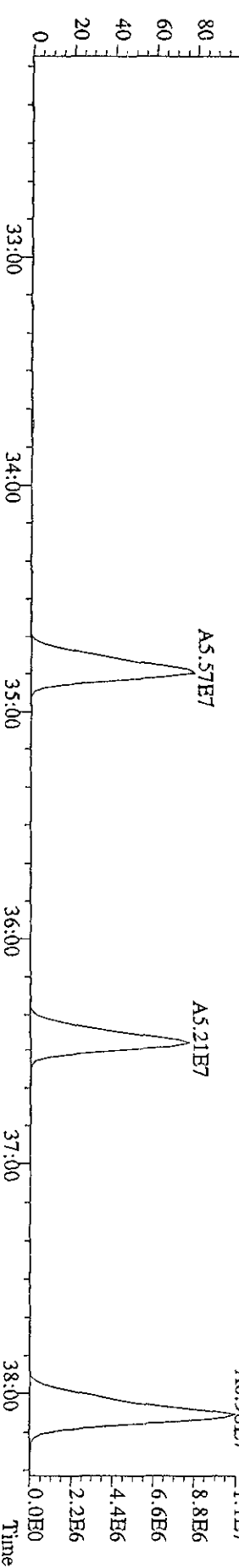
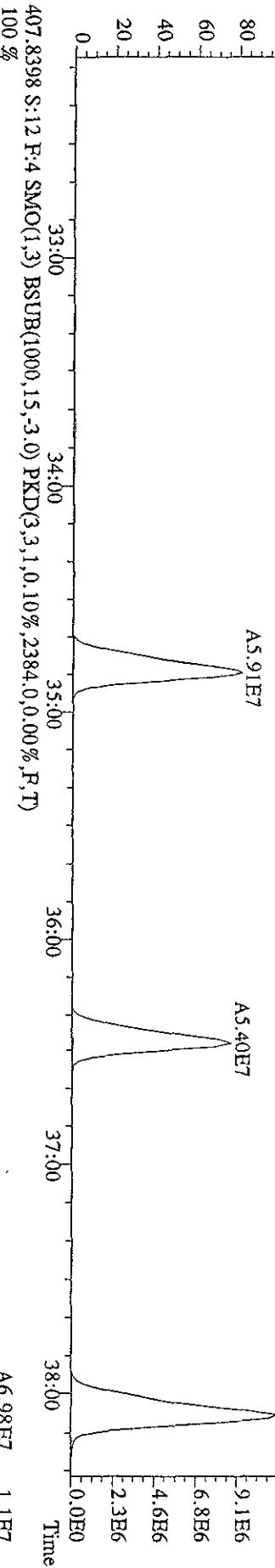
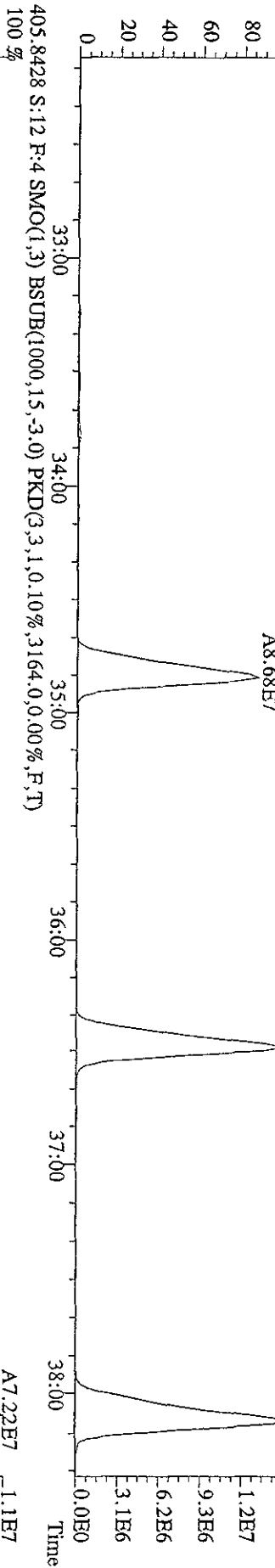
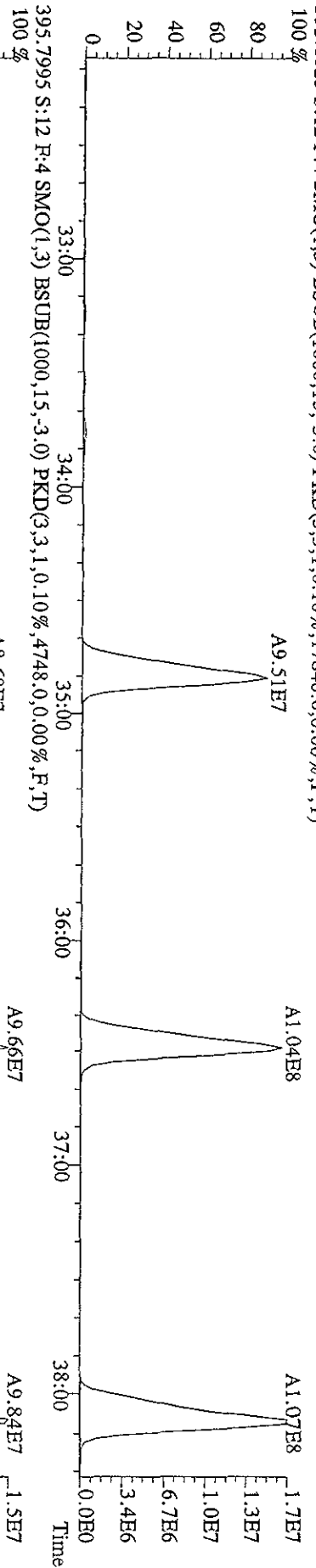
480,9696 S:12 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 39:04 39:31 40:00 40:26 41:18 42:15 42:44 43:18 44:03 44:29 45:32 46:10



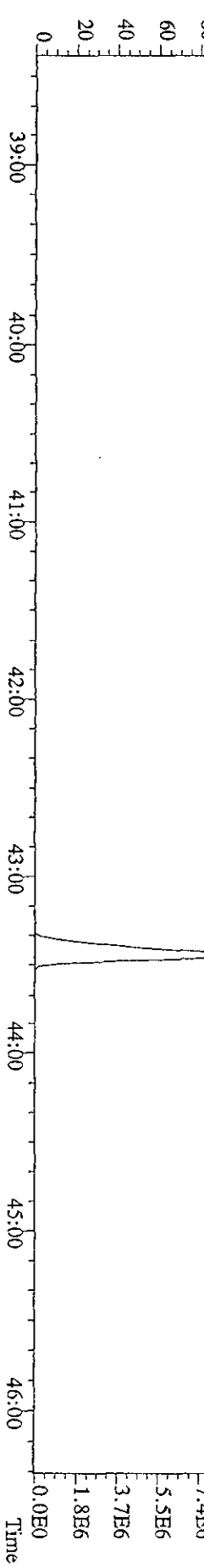
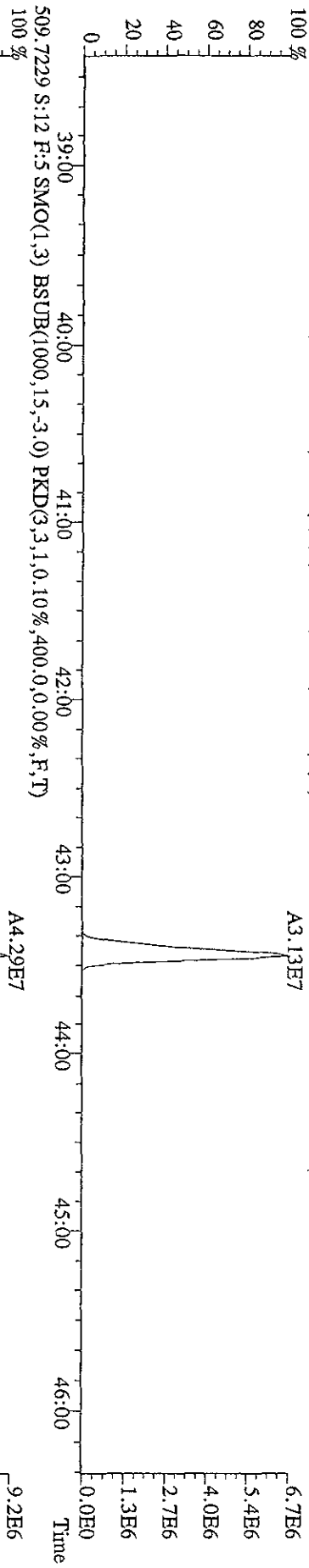
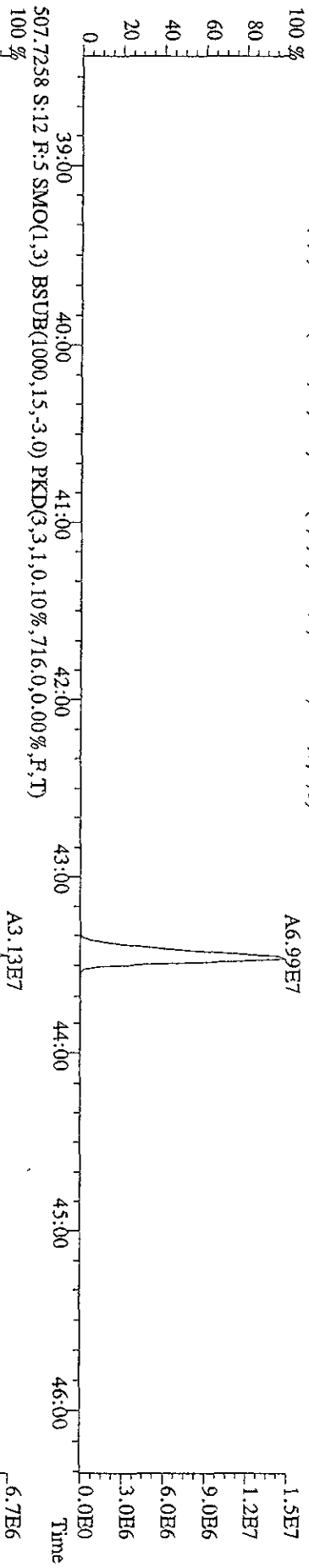
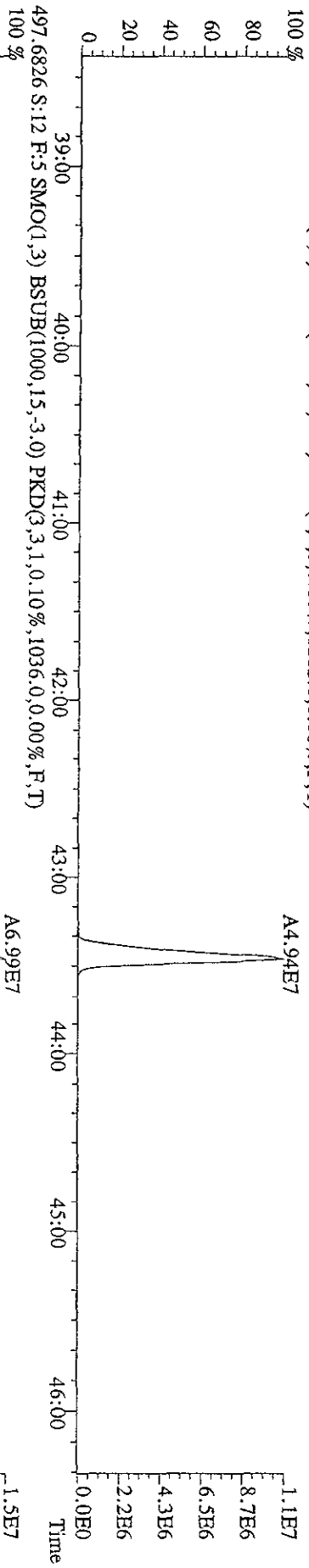
File: 29AP09C9D5 #1-381 Acq: 30-APR-2009 04:38:26 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#12 Text: LAVAT-1-AC :F9D210216-2LCS Exp: 209DB5  
 359.8415 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10804,0,0,00%,F,T)  
 100% A1.59E8



File: 29AP09C9D5 #1-381 Acq:30-APR-2009 04:38:26 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#12 Text:LAVAT-1-AC :F9D210216-2LCS Exp:209DB5  
 395.7995 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,17840.0,0.00%,F,T)



File:29AB09C9D5 #1-529 Acq:30-APR-2009 04:38:26 GC EI+ Voltage S1R Autospec-UltimaE  
Sample#12 Text:LAVAT-1-AC ;P9D210216-2LCS Exp:209DB5  
495.6856 S:12 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2212,0,0,00%,F,T)



Run text: K9LEW-1-AA Sample text: K9LEW-1-AA :G9D030340-6  
 Run #28 Filename: 29AP09C9D5 S: 40 I: 1 Results: 29AP09C9D51668MSLDEC  
 Acquired: 1-MAY-09 04:39:16 Processed: 1-MAY-09 08:40:13  
 Run: 29AP09C9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 1.035000L

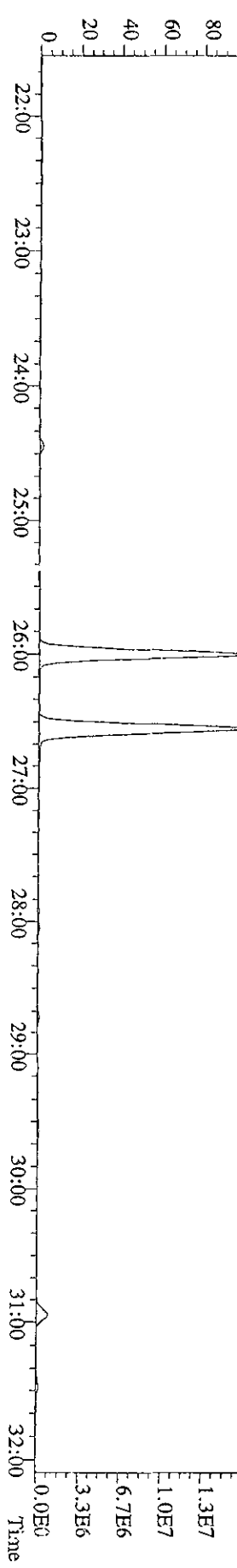
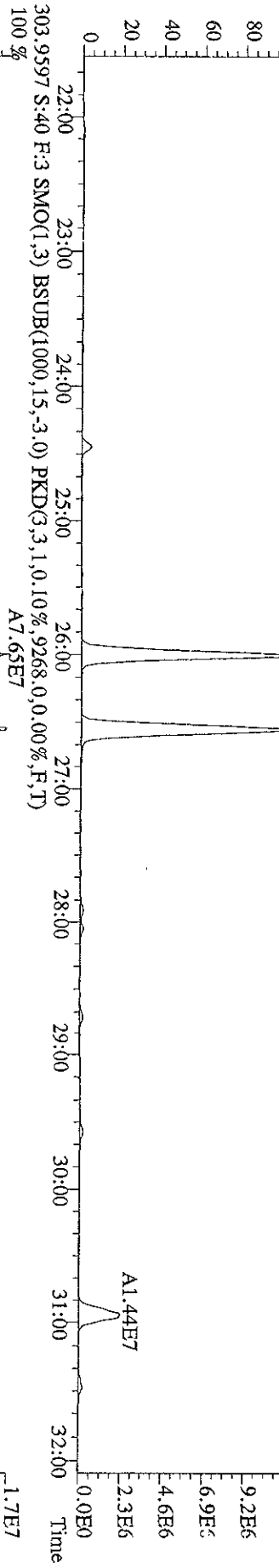
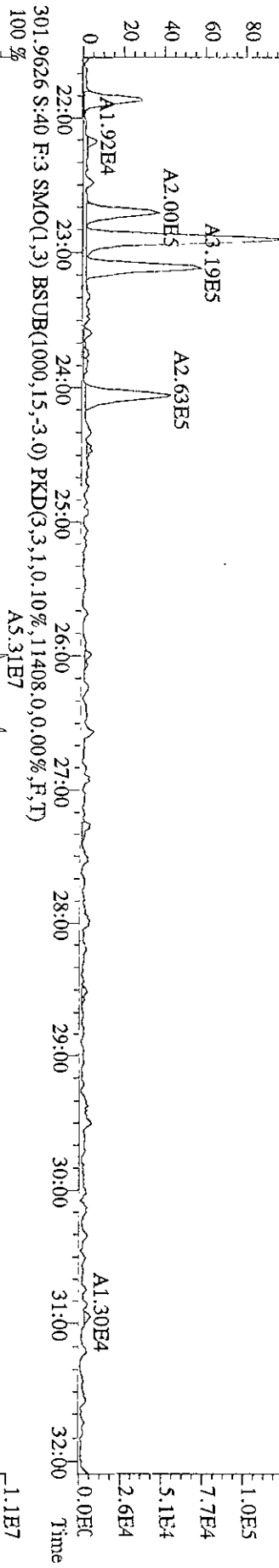
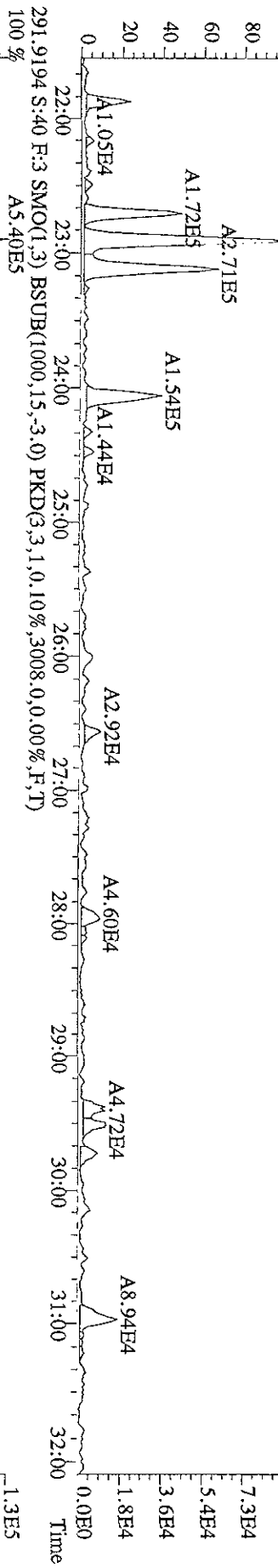
*KL=19.3*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	183652136	0.63 y	24:26	-	72.57	-	-	n
13C-TCB-81	129587004	0.69 y	25:60	0.95	1439.37	2.52	74.5	n
TCB-81	*	* n	NotFnd	1.28	*	0.75	-	n
13C-TCB-77	136129808	0.70 y	26:34	0.98	1458.00	2.43	75.5	n
TCB-77	*	* n	NotFnd	1.10	*	0.88	-	n
13C-PeCB-123	159085616	0.62 y	27:55	0.87	1920.76	1.07	99.4	n
PeCB-123	*	* n	NotFnd	1.51	*	0.53	-	n
13C-PeCB-118	155374124	0.63 y	28:03	0.98	1660.51	0.94	85.9	n
PeCB-118/106	962679	0.67 y	28:04	1.53	1.84 <i>let</i>	0.53	-	n
13C-PeCB-114	169336772	0.63 y	28:42	0.97	1843.81	0.96	95.4	n
PeCB-114	*	* n	NotFnd	1.59	*	0.48	-	n
13C-PeCB-105	156136144	0.62 y	29:34	0.90	1831.00	1.04	94.8	n
PeCB-105/127	371810	0.57 y	29:35	1.42	3.24	0.62	-	n
13C-PeCB-126	186086176	0.62 y	31:28	0.91	2148.05	1.02	111.2	n
PeCB-126	*	* n	NotFnd	1.17	*	0.66	-	n
13C-OcCB-202	177191088	0.83 y	33:45	-	66.52	-	-	n
13C-HxCB-167	191471520	1.29 y	32:36	0.84	2481.21	2.44	128.4	n
HxCB-167	196813	1.41 y	32:32	1.17	1.70	0.55	-	n
13C-HxCB-156	165685520	1.32 y	33:54	0.67	2695.97	3.06	139.5	n
HxCB-156	*	* n	NotFnd	1.45	*	0.52	-	n
13C-HxCB-157	170122688	1.29 y	34:12	0.71	2529.41	2.00	100.1	n
HxCB-157	*	* n	NotFnd	1.45	*	0.50	-	n
13C-HxCB-169	196124080	1.28 y	36:02	0.73	2915.94	2.79	150.9	n
HxCB-169	*	* n	NotFnd	0.99	*	0.61	-	n
13C-HpCB-180	121486176	1.06 y	34:51	0.58	2266.21	1.28	117.3	n
HpCB-180	*	* n	NotFnd	1.27	*	3.82	-	n
13C-HpCB-170	103696800	1.07 y	36:29	0.47	2383.72	1.58	123.4	n
HpCB-170/190	*	* n	NotFnd	1.61	*	3.49	-	n
13C-HpCB-189	145017264	1.05 y	38:07	0.60	2642.31	1.25	136.7	n
HpCB-189	*	* n	NotFnd	1.21	*	3.35	-	n
13C DeCB 209	88301388	0.71 y	43:28	0.46	2092.69	1.59	108.3	n
DECB-209	*	* n	NotFnd	1.50	*	0.90	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.95	*	n

*KL* (vertical line with arrow pointing down)

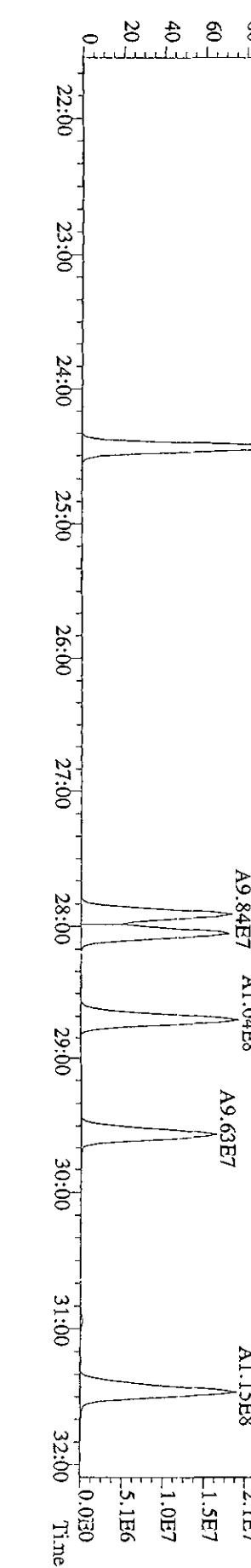
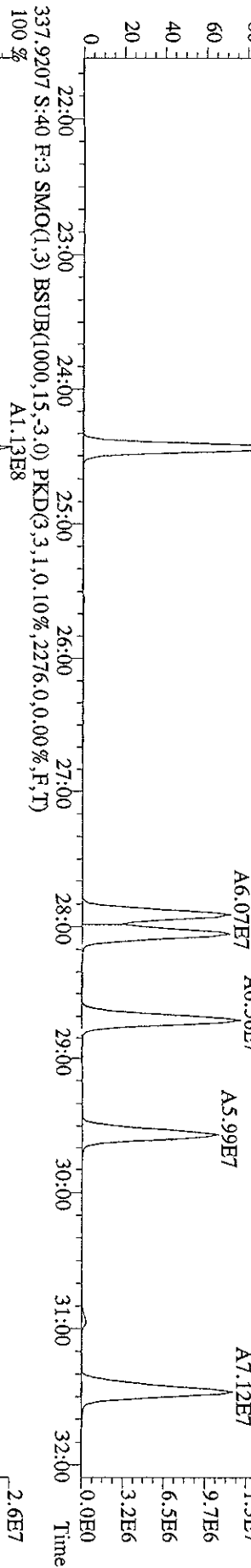
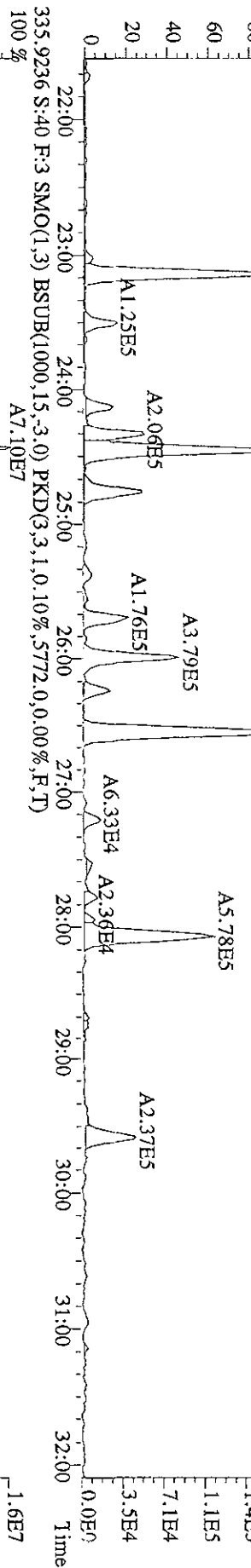
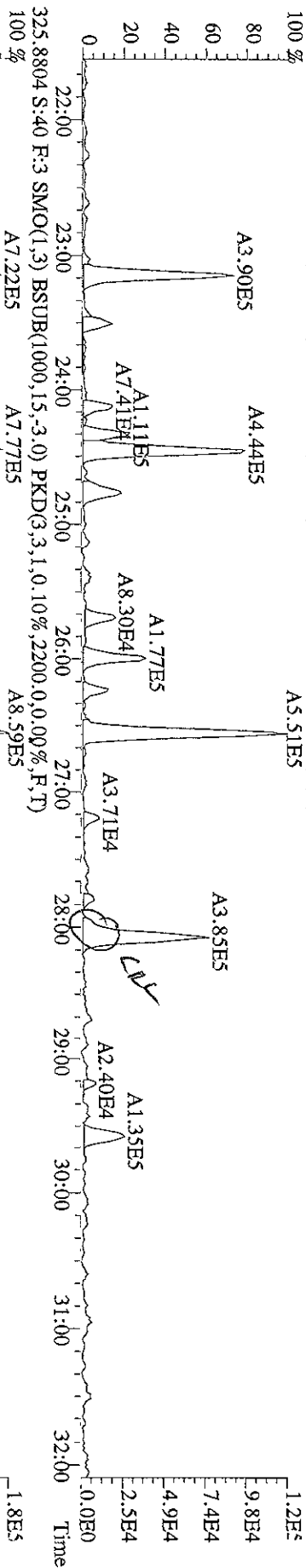
*Sh 3665*

File: 29AP09C9D5 #1-594 Acq: 1-MAY-2009 04:39:16 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#40 Text: K9LEW-1-AA : G9D030340-6 Exp: 209DB5  
 289.9224 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2564,0,0,00%,F,T)  
 100% A3.94E5

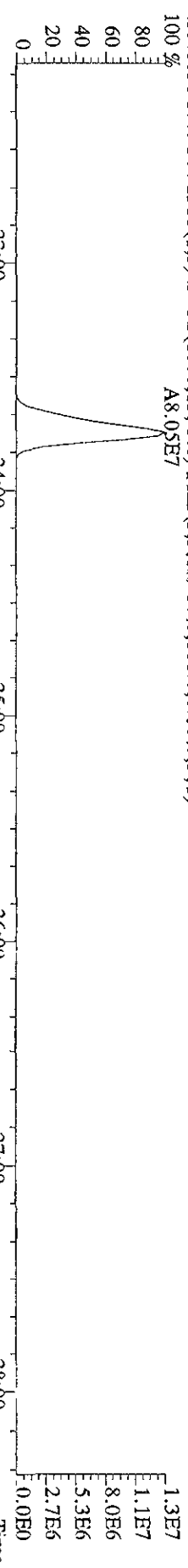




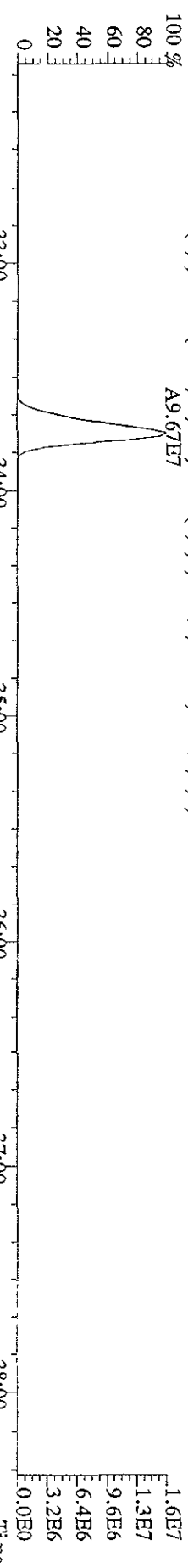
File: 29AP09C9D5 #1-594 Acq: 1-MAY-2009 04:39:16 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#40 Text: K9LEW-1-AA :G9D030340-6 Exp: 209DB5  
 323.8834 S:40 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2828.0,0.00%,F,T)  
 100%



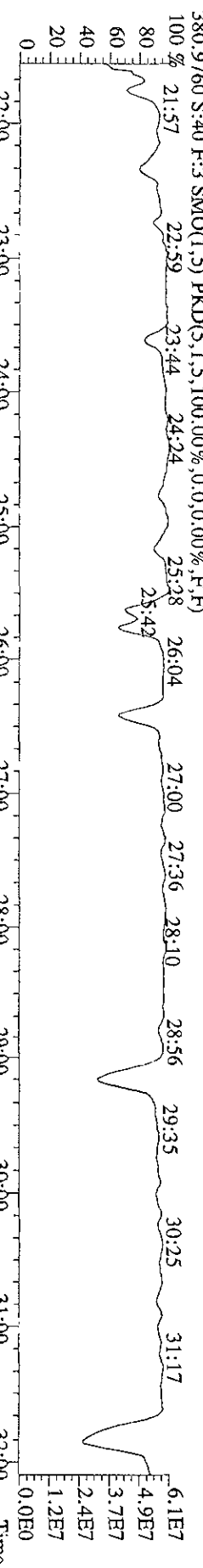
File: 29AP09C9D5 #1-381 Acq: 1-MAY-2009 04:39:16 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#40 Text: K9LEW-1-AA : G9D030340-6 Exp: 209DB5  
 439.8038 S:40 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,168,0.0,0.00%,F,T)  
 A8.05E7



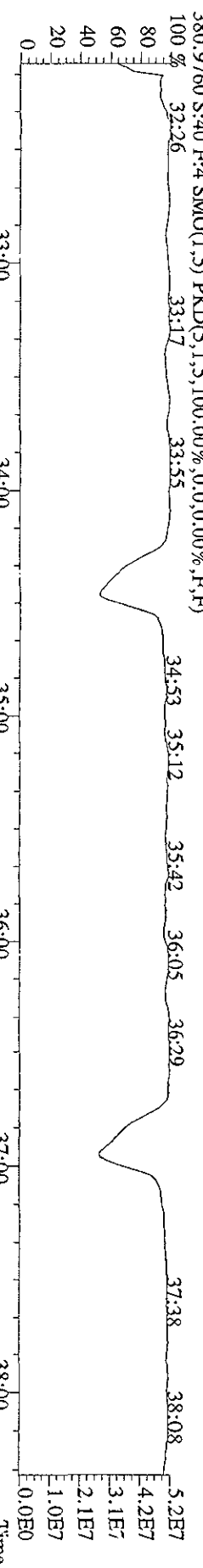
441.8008 S:40 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1200,0.0,0.00%,F,T)  
 A9.67E7



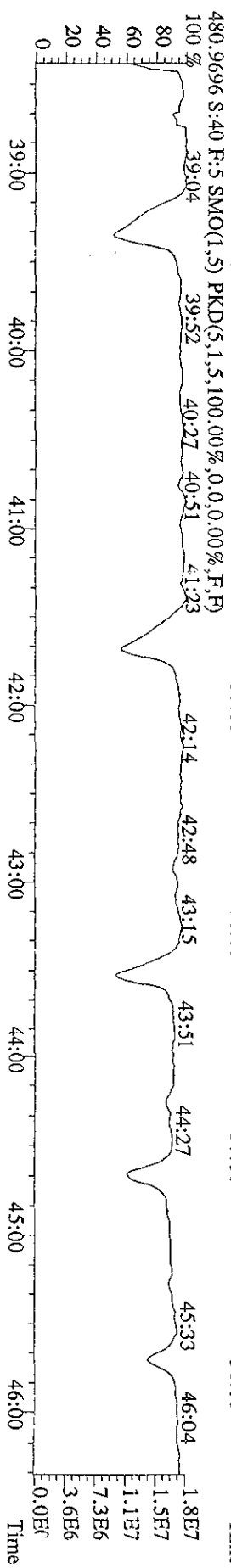
380.9760 S:40 F:3 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)  
 21:57 22:59 23:44 24:24 25:38 26:04 27:00 27:36 28:10 28:56 29:35 30:25 31:17



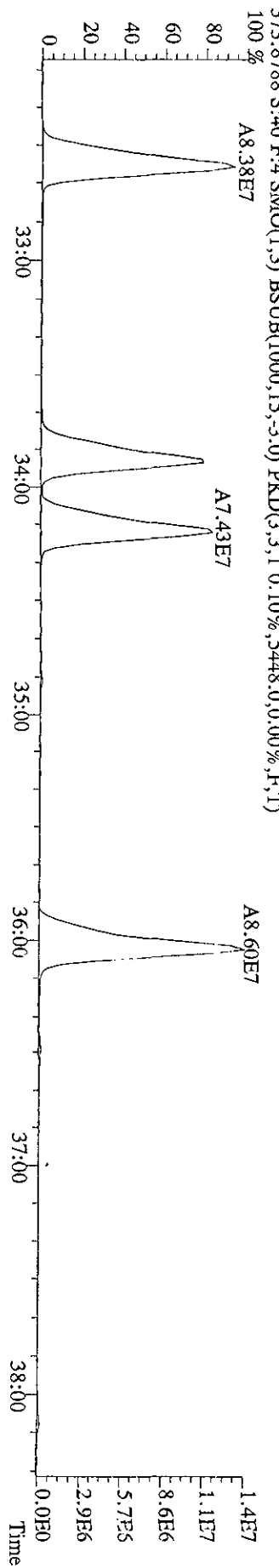
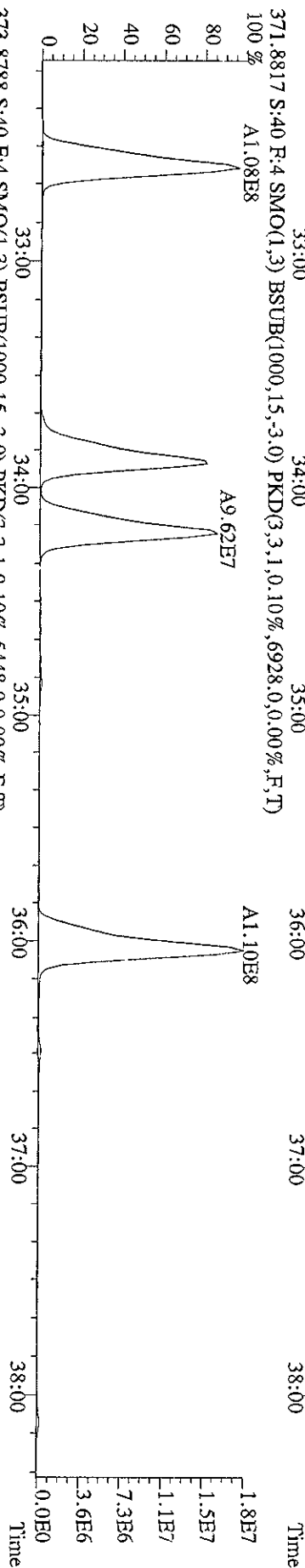
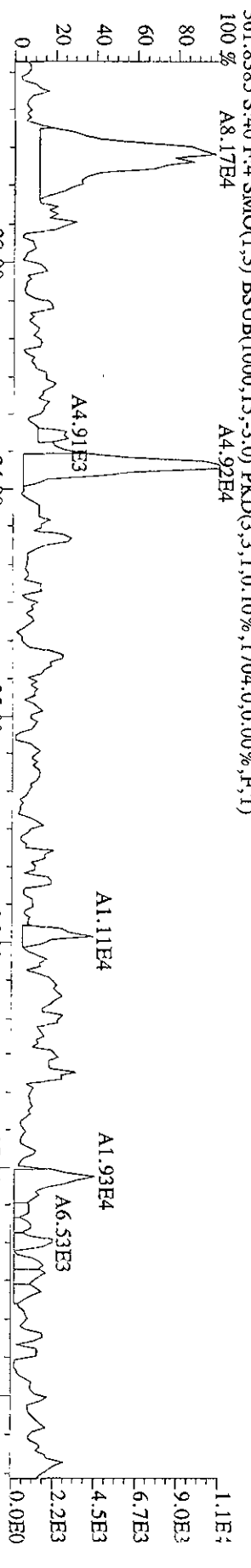
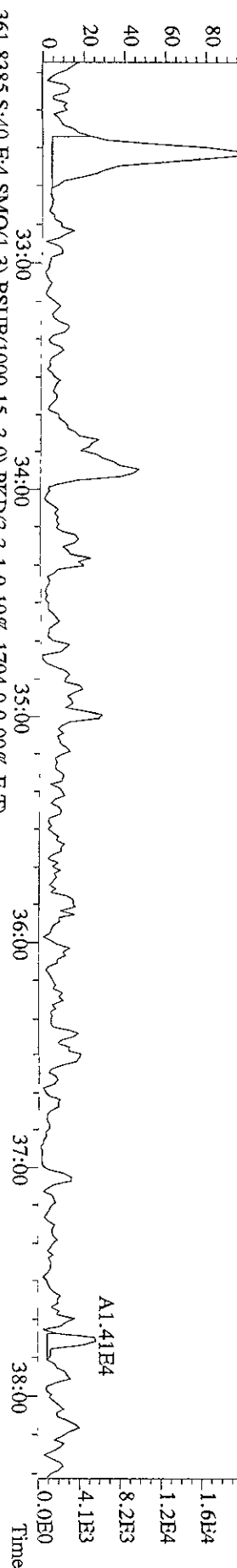
380.9760 S:40 F:4 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)  
 32:26 32:26 33:17 33:55 34:53 35:12 35:42 36:05 36:29 37:38 38:08



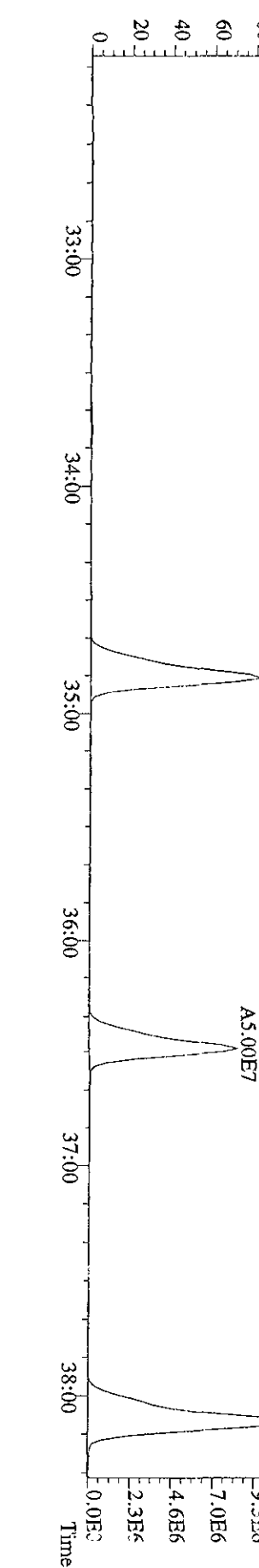
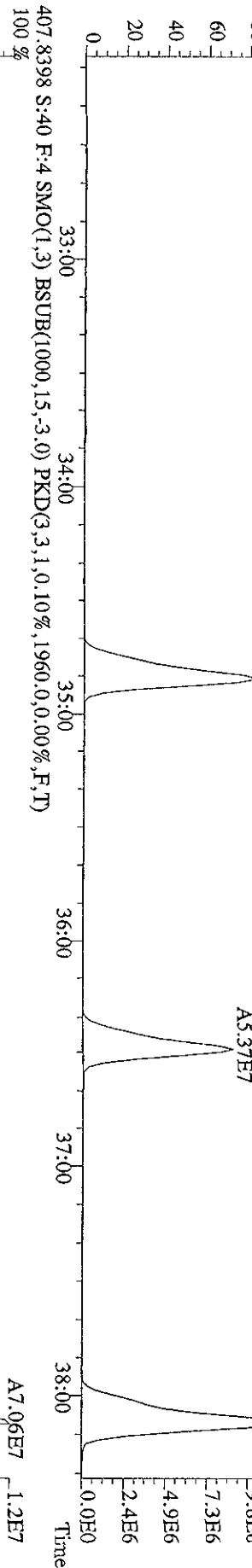
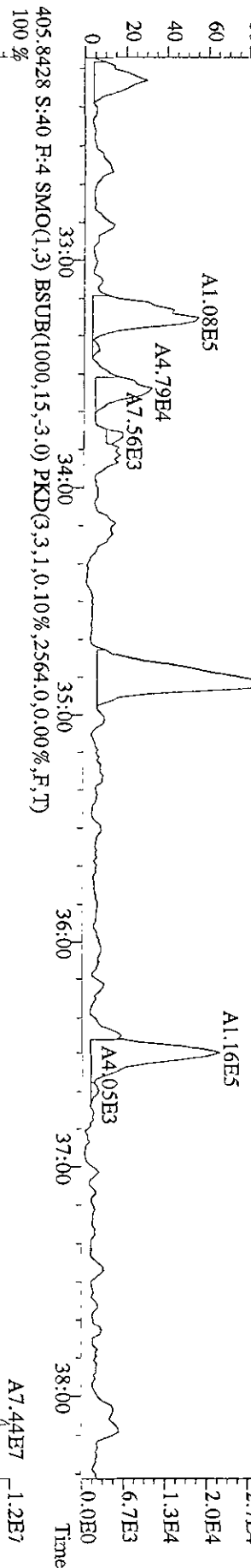
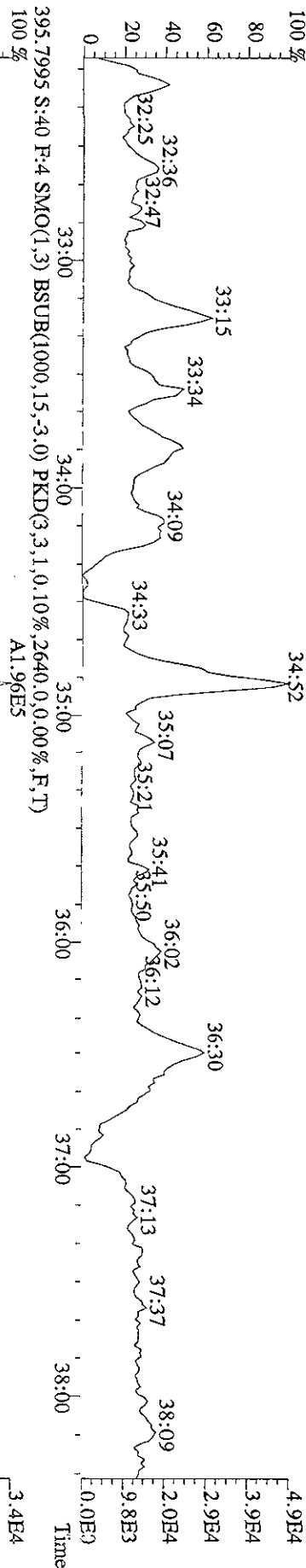
480.9696 S:40 F:5 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)  
 39:04 39:52 40:27 40:51 41:23 42:14 42:48 43:15 43:51 44:27 45:33 46:04



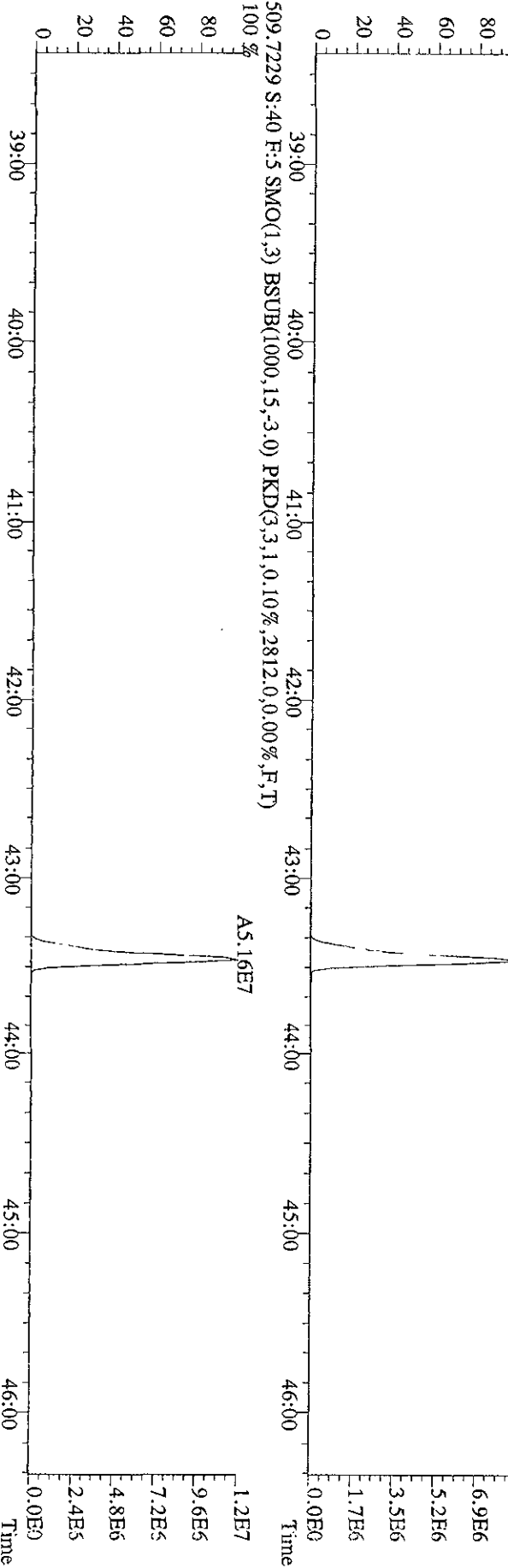
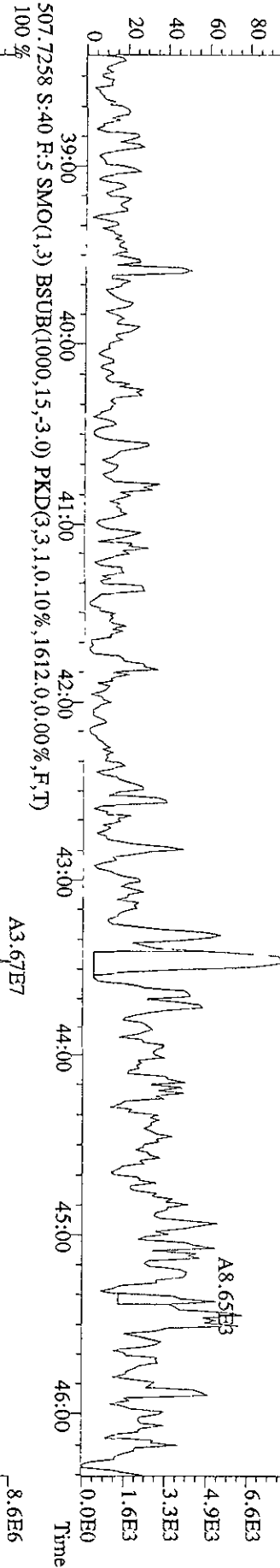
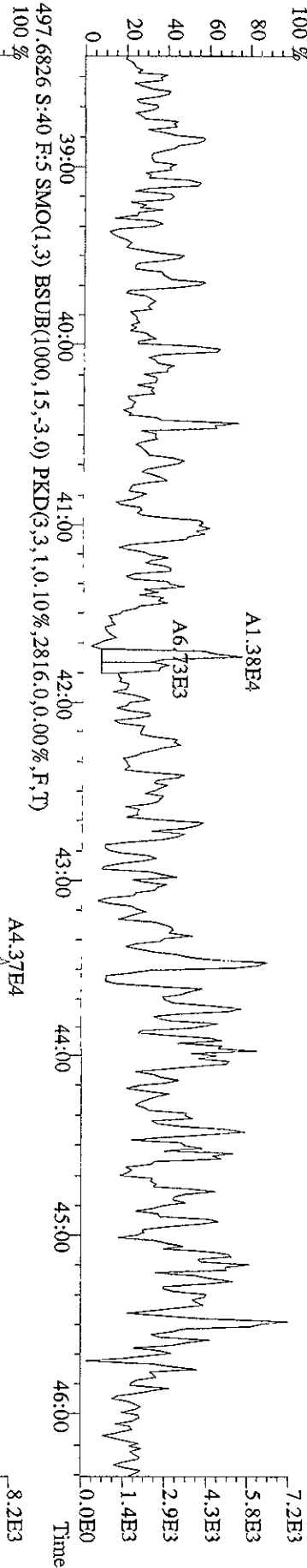
File: 29AP09C9D5 #1-381 Acq: 1-MAY-2009 04:39:16 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#40 Text: K9LEW-1-AA : G9D030340-6 Exp: 209DB5  
 359.8415 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2372.0,0.00%,F,T)  
 100% A1.15E5



File: 29AP09C9D5 #1-381 Acq: 1-MAY-2009 04:39:16 GC EI+ Voltage SIR Autospec-UltraB  
 Sample#40 Text: K9LEW-1-AA : G9D030340-6 Exp: 209DB5  
 393.8025 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,17316,0,0.00%,F,T)  
 407.8398 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1960,0,0.00%,F,T)



File:29AP09C9D5 #1-529 Acq: 1-MAY-2009 04:39:16 GC EI+ Voltage SIR Autospec-UtimaB  
 Sample#40 Text:K9LEW-1-AA :G9D030340-6 Exp:209DB5  
 495.6856 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2996.0,0.00%,F,T)



Run text: K9LEX-1-AA Sample text: K9LEX-1-AA :G9D030340-7  
 Run #29 Filename: 29AP09C9D5 S: 41 I: 1 Results: 29AP09C9D51668MSLDEC  
 Acquired: 1-MAY-09 05:30:40 Processed: 1-MAY-09 08:40:28  
 Run: 29AP09C9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 1.012200L

11-198

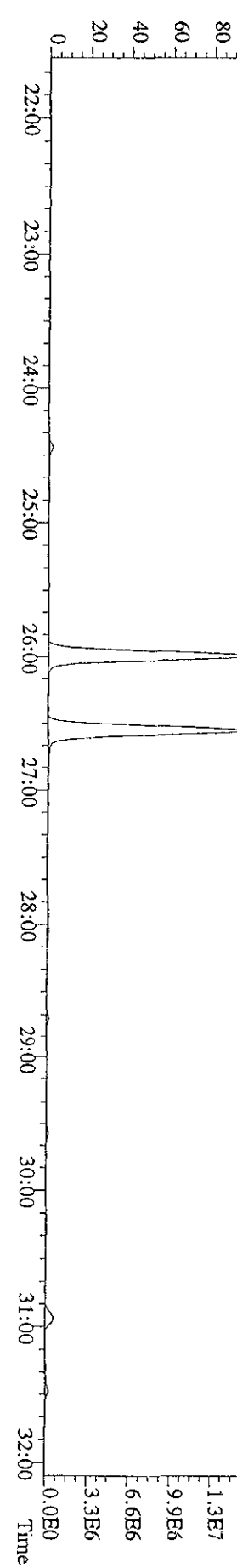
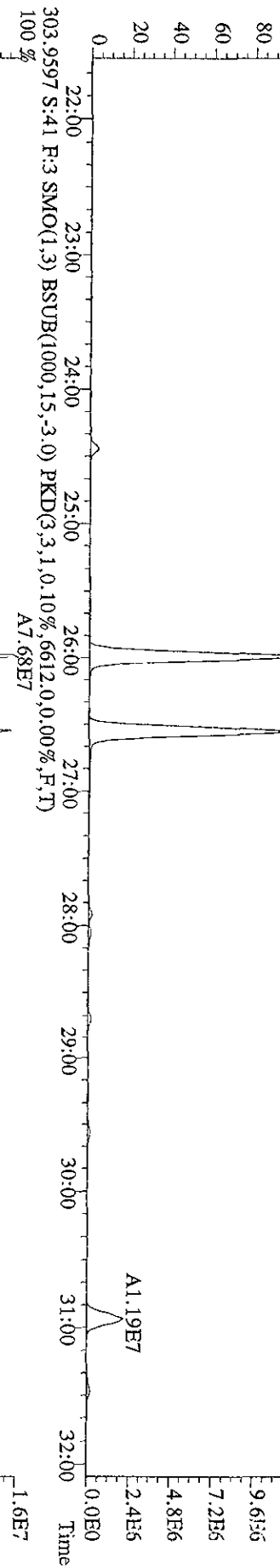
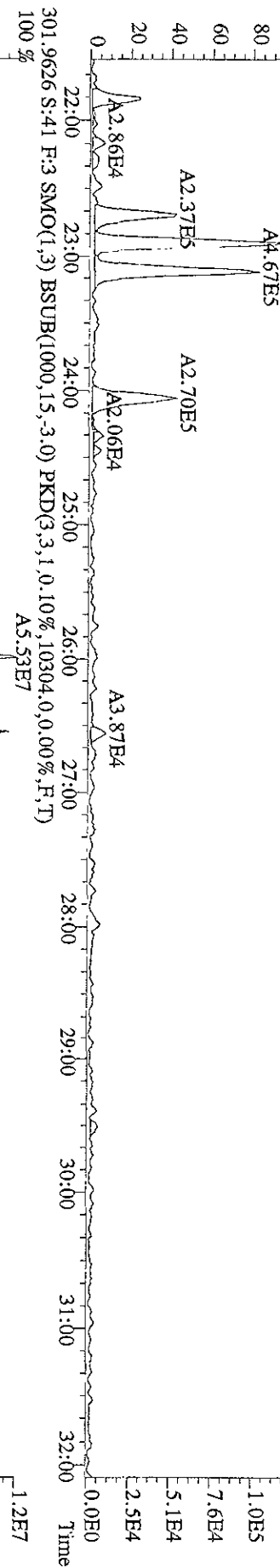
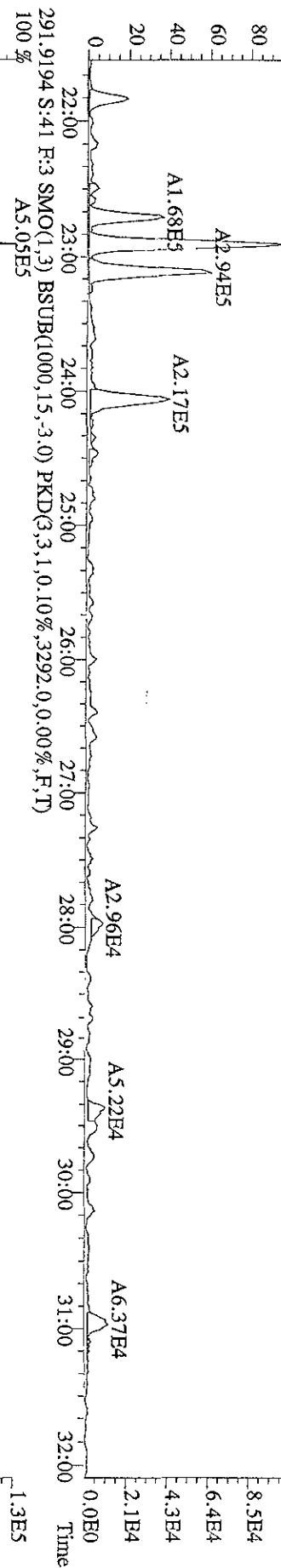
Name	Resp	RA	RT	RRF	Conc	FDL	Rec	M
13C-PeCB-101	165135980	0.63 y	24:26	-	66.72	-	-	n
13C-TCB-81	132086696	0.72 y	25:60	0.95	1668.39	2.28	84.4	n
TCB-81	*	* n	NotFnd	1.28	*	0.81	-	n
13C-TCB-77	130418384	0.72 y	26:33	0.98	1588.44	2.20	80.4	n
TCB-77	*	* n	NotFnd	1.10	*	0.98	-	n
13C-PeCB-123	146332304	0.63 y	27:55	0.87	2009.14	1.33	101.7	n
PeCB-123	*	* n	NotFnd	1.51	*	0.54	-	n
13C-PeCB-118	145948684	0.64 y	28:03	0.98	1773.74	1.18	89.8	n
PeCB-118/105	863163	0.49 r	28:03	1.53	7.65	0.52	-	n
13C-PeCB-114	145618144	0.62 y	28:42	0.97	1803.05	1.20	91.3	n
PeCB-114	*	* n	NotFnd	1.59	*	0.53	-	n
13C-PeCB-105	141896620	0.62 y	29:34	0.90	1892.28	1.29	95.8	n
PeCB-105/127	495987	0.61 y	29:35	1.42	4.86	0.63	-	n
13C-PeCB-126	163307436	0.61 y	31:27	0.91	2143.70	1.27	108.5	n
PeCB-126	*	* n	NotFnd	1.17	*	0.74	-	n
13C-OcCB-202	161407056	0.83 y	33:44	-	61.96	-	-	n
13C-HxCB-167	167716528	1.29 y	32:35	0.84	2439.65	2.74	123.5	n
HxCB-167	*	* n	NotFnd	1.17	*	0.58	-	n
13C-HxCB-156	143630260	1.32 y	33:53	0.67	2623.43	3.44	132.8	n
HxCB-156	116214	1.62 n	33:53	1.45	1.10	0.58	-	n
13C-HxCB-157	149799380	1.28 y	34:11	0.71	2594.38	2.22	131.3	n
HxCB-157	*	* n	NotFnd	1.45	*	0.54	-	n
13C-HxCB-169	170727248	1.28 y	36:02	0.73	2849.34	3.14	144.2	n
HxCB-169	*	* n	NotFnd	0.99	*	0.69	-	n
13C-HpCB-180	107515588	1.07 y	34:50	0.58	2251.33	1.71	113.9	n
HpCB-180	452296	0.84 n	34:51	1.27	6.57	2.75	-	n
13C-HpCB-170	90577084	1.07 y	36:28	0.47	2337.24	2.11	118.3	n
HpCB-170/190	*	* n	NotFnd	1.61	*	2.60	-	n
13C-HpCB-189	129287536	1.06 y	38:06	0.60	2644.32	1.67	133.8	n
HpCB-189	*	* n	NotFnd	1.21	*	2.41	-	n
13C-DeCB-209	92936024	0.72 y	43:27	0.46	2472.38	1.45	125.1	n
DeCB-209	*	* n	NotFnd	1.50	*	0.69	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	1.21	*	n

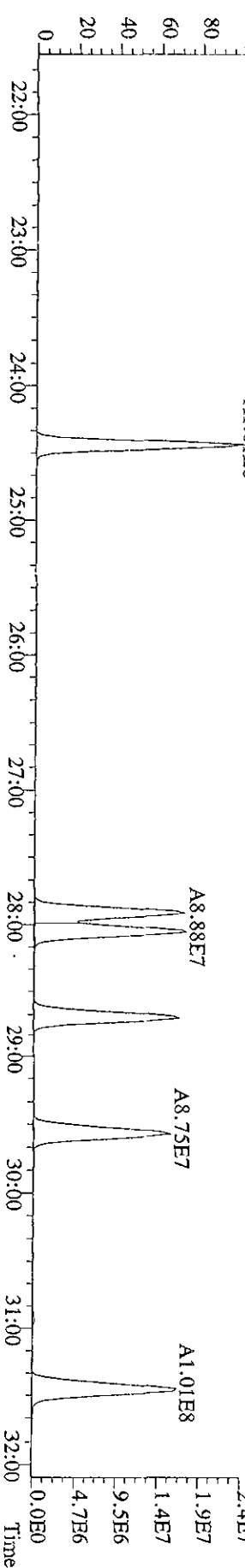
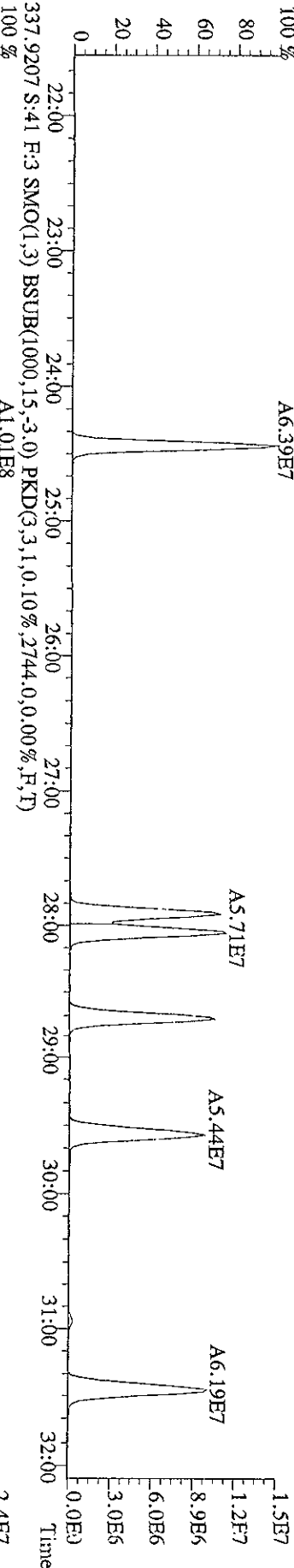
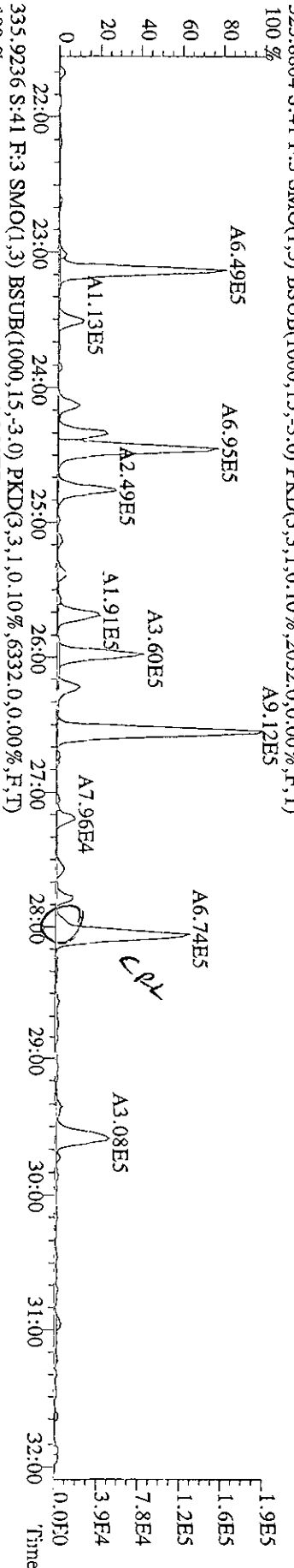
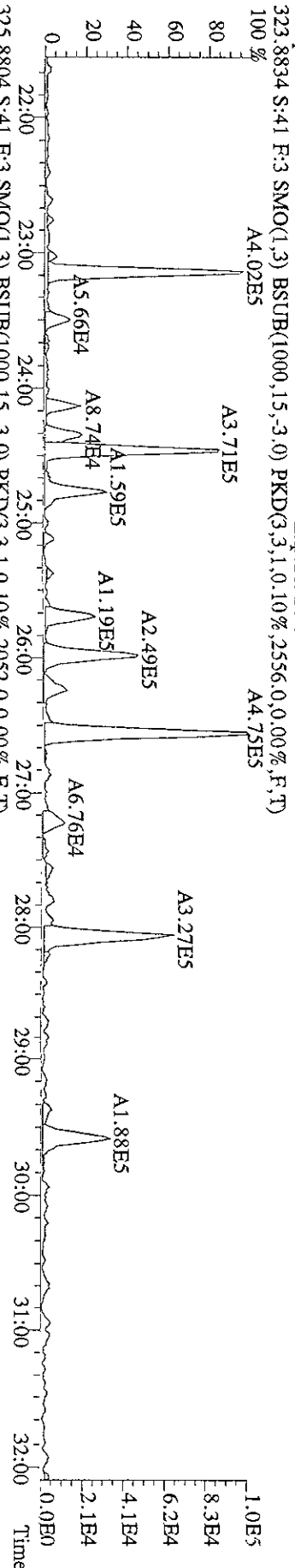
CPL



Jh 5/6/09

File: 29AP09C9D5 #1-594 Acq: 1-MAY-2009 05:30:40 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#41 Text: K91EX-1-AA : G9D030340-7 Exp: 209DB5  
 289.9224 S:41 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2696.0,0.00%,F,T)  
 100% A4.30E5

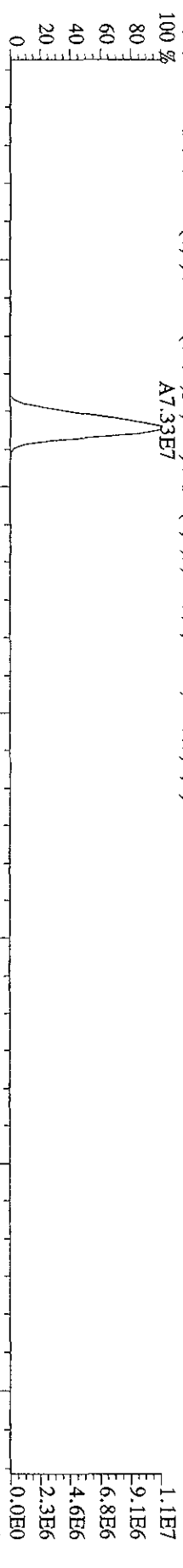




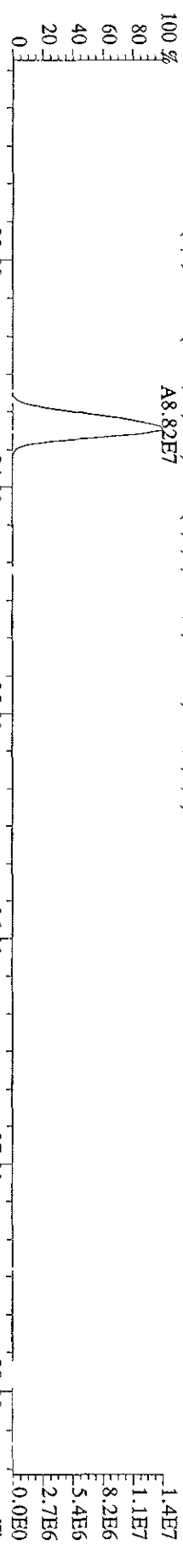


Sample#41 Text:K9LEX-1-AA :G9D030340-7 Exp:209DB5

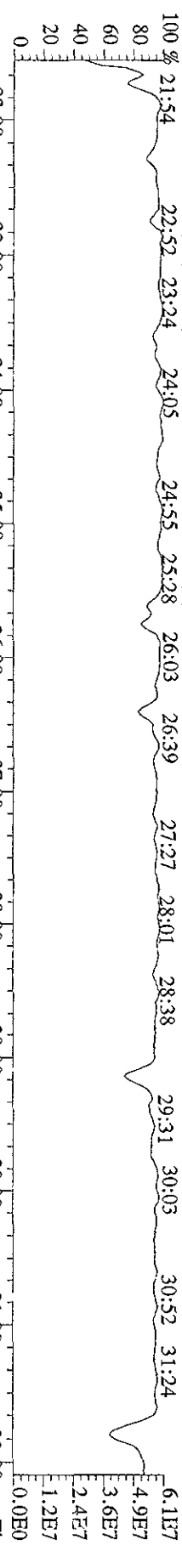
439.8038 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,132,0,0,00%,F,T)



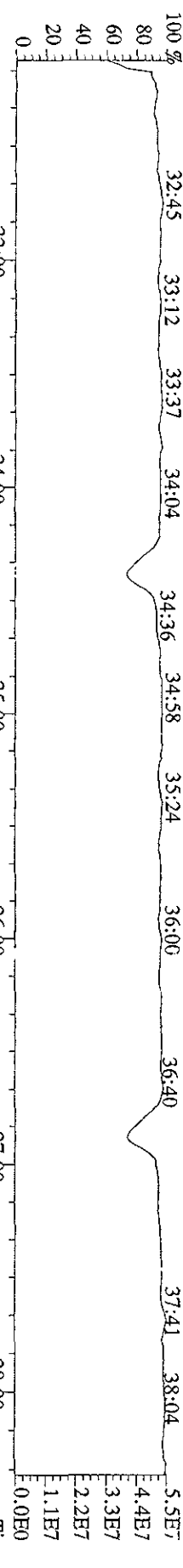
441.8008 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1288,0,0,00%,F,T)



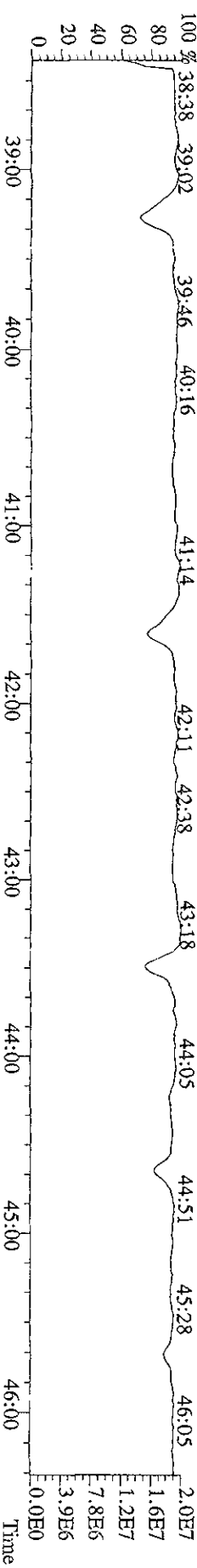
380.9760 S:41 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



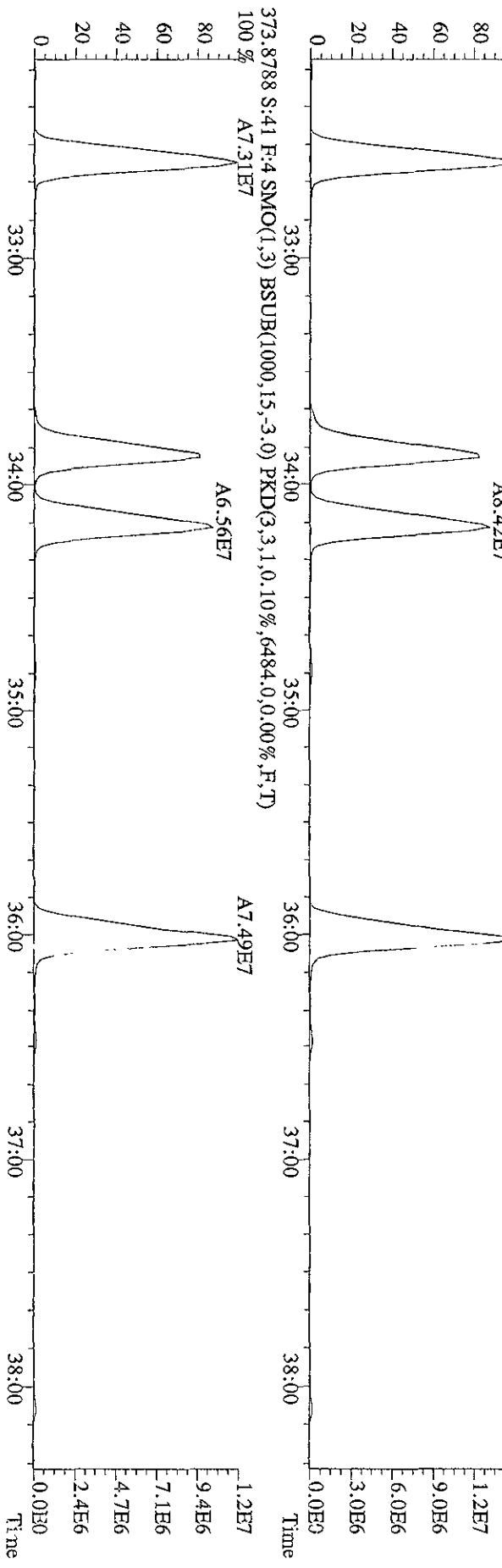
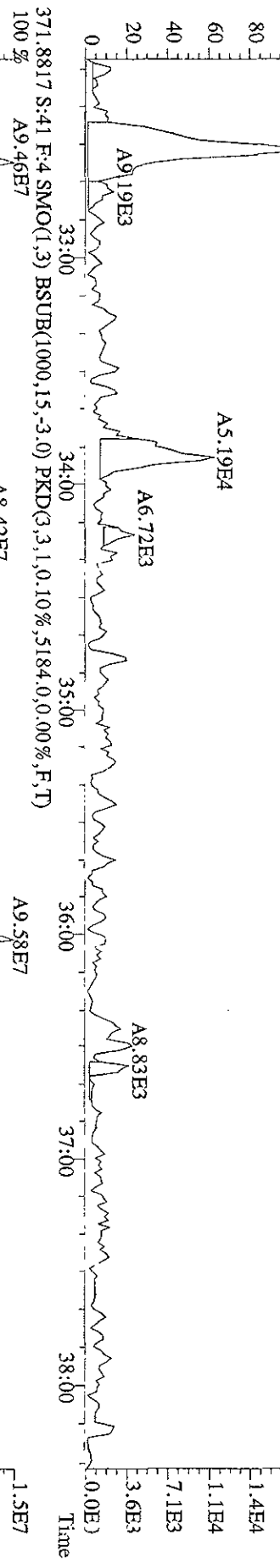
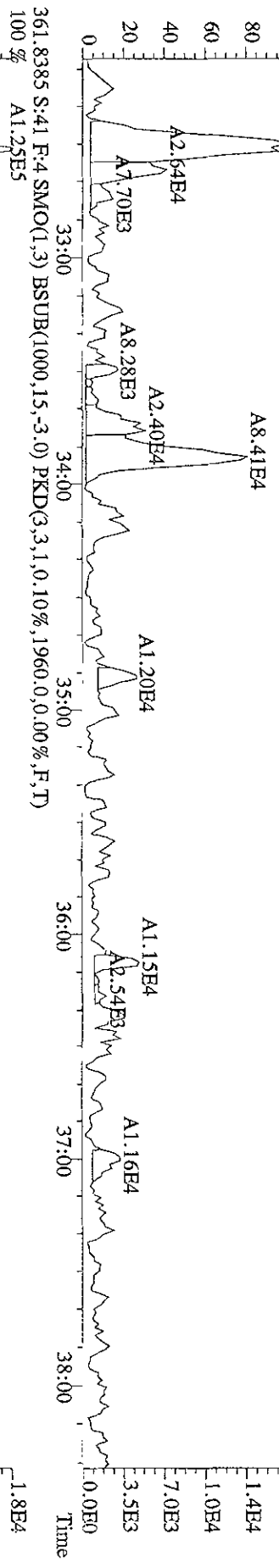
380.9760 S:41 F:4 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



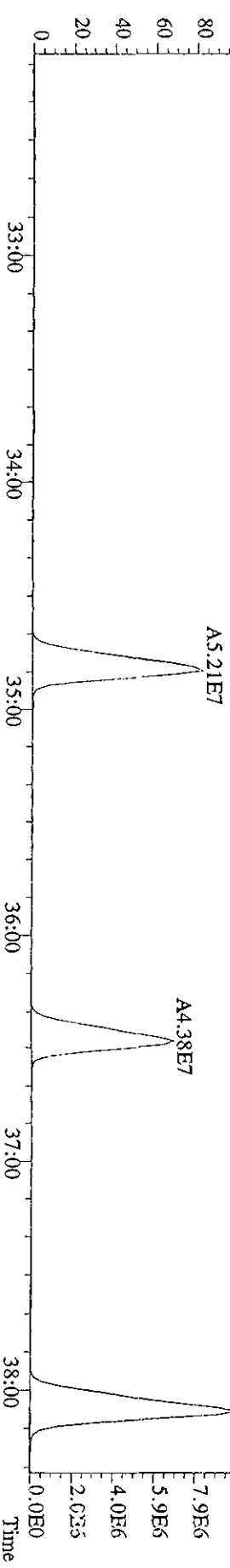
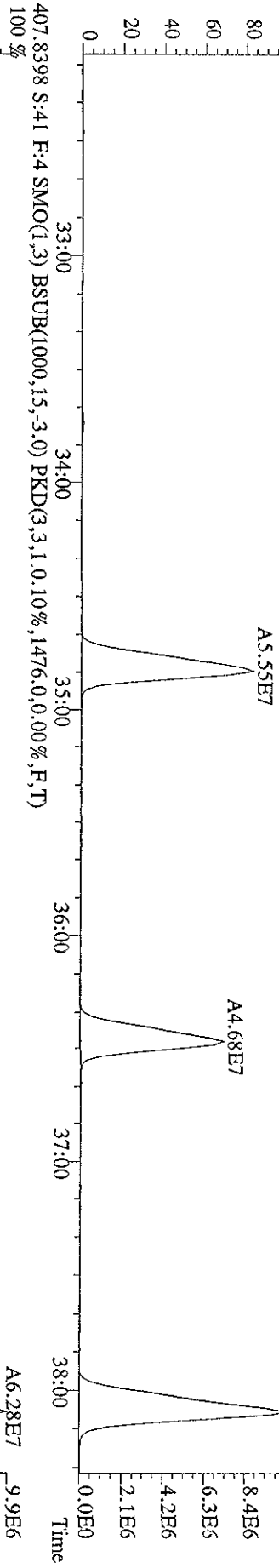
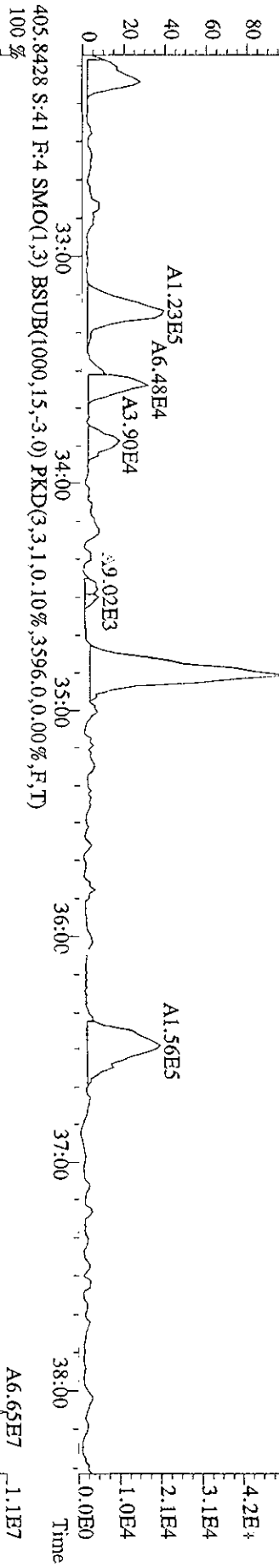
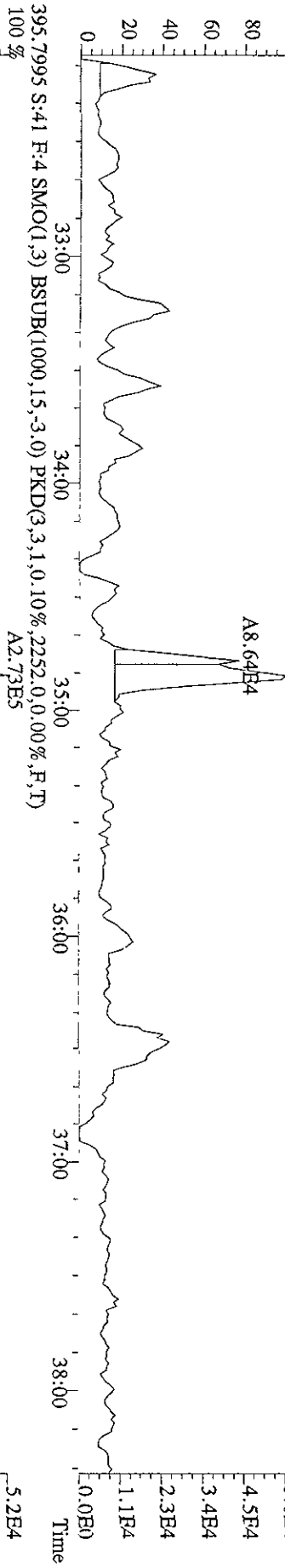
480.9696 S:41 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



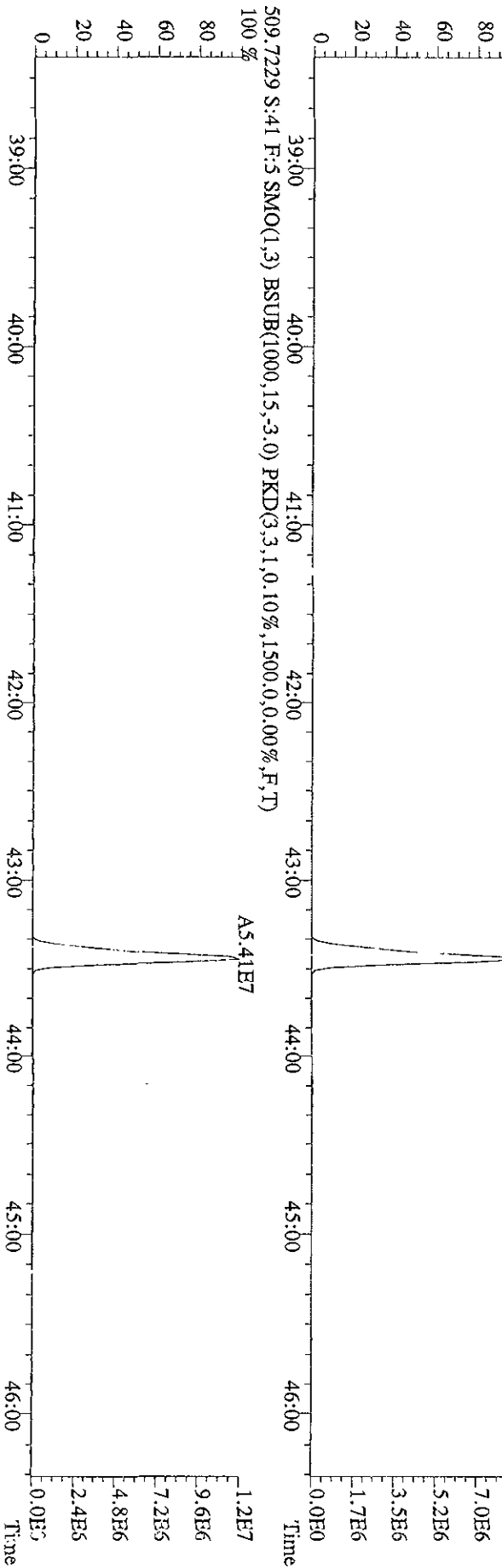
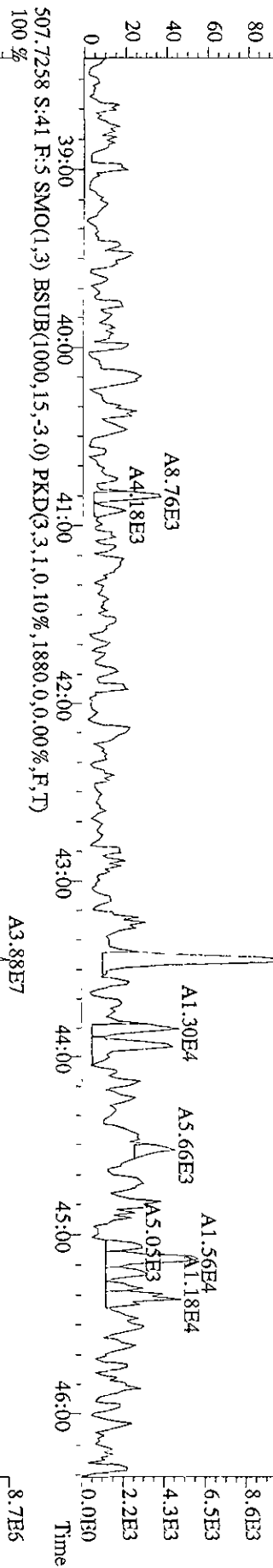
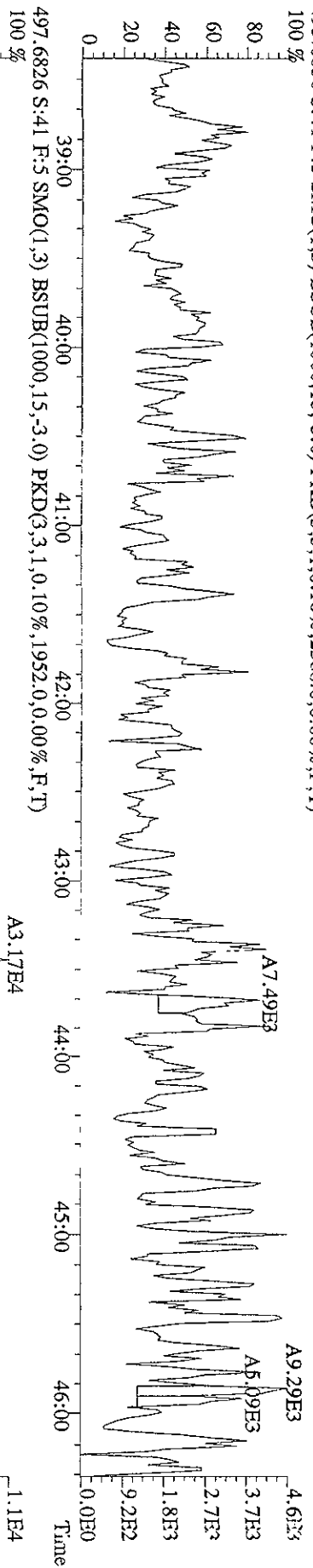
File: 29AP09C9D5 #1-381 Acq: 1-MAY-2009 05:30:40 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#41 Text: K9LEX-1-AA :G9D030340-7 Exp: 209DB5  
359.8415 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1748,0,0,0,00%,F,T)  
100% A1.11E5



File: 29AP09C9D5 #1-381 Acq: 1-MAY-2009 05:30:40 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#41 Text: K9LEX-1-AA : G9D030340-7 Exp: 209DB5  
 393.8025 S:41 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,9744,0,0,00%,F,T)  
 A2.31E5



File: 29AP09C9D5 #1-529 Acq: 1-MAY-2009 05:30:40 GC Ef - Voltage SIR Autospec-Ultimate  
 Sample#41 Text: K9LEX-1-AA :G9D030340-7 Exp: 79DB5  
 495.6856 S:41 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2388,0,0.00%,F,T) 100%



Method ID 1668m (Short bot of Dca)

Associated ICAL 1668MSLDEL011507905

Column ID DB-5

Instrument ID 905

STD ID 02 570429A 4/29/09

STD Solution CAFKN016

Analyzed by AM/KAS 175 4/29/09

Date Analyzed 4/29/09

Std. Pkg. By KAS

Date Std. Pkg. Assembled 5/1/09

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 5/1/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	/	/
Copy of log-file and Beginning Static Resolution present?	/	/
Column Performance blow up present	/	/
Curve Summary present?	/	/
Summary of Method criteria present or documented below?	/	/
Daily standard within method specified limits?*	/	/
Analyte retention times correct?	/	/
Isotopic ratios within limits?	/	/
Column Performance valley $\leq$ method specified limits?*	/	/
Are chromatographic windows correct?	/	/
Samples analyzed within 12 hrs of daily standard?	/	/
Manual reintegration's checked and hardcopies included?	/	/
Ending Static Resolutions present?	/	/

COMMENTS: \_\_\_\_\_

- \* **Method 1668A(PCBs):**  $\pm 30\%$  from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and  $\pm 50\%$  for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the  $\pm 30\%$  limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have  $\pm 40\%$  limit.
- Method 1614 (DBDs/DBFs):**  $\pm 30\%$  from curve RRFs for native analytes and  $\pm 50\%$  from curve RRFs for labeled compounds (Note: BDE-209 is  $+200\%$  to  $-50\%$ , 13C-BDE-209 is  $+200\%$  to  $-75\%$  and 13C-BDE-139 is  $\pm 30\%$ ).
- \*\* **Method 1668A (PCBs):** resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).
- Method 1614 (DBDs/DBFs):** a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0429A File text: ST0429A :CS3 09DXN016  
 Run #6 Filename 29AP09C9D5 S: 2 I: 1  
 Acquired: 29-APR-09 20:04:57 Processed: 29-APR-09 23:34:59  
 Run: 29AP09C9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 29AP09C9D51668MSLDE

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	278849000	0.66 y	24:25	-	100.00	-	n
13C-TCB-81	287014000	0.79 y	25:57	1.03	100.00	8.7	n
TCB-81	184734000	0.77 y	25:58	1.29	50.00	0.7	n
13C-TCB-77	297386000	0.79 y	26:32	1.07	100.00	8.6	n
TCB-77	174080800	0.76 y	26:33	1.17	50.00	6.1	n
13C-PeCB-123	258458000	0.66 y	27:53	0.93	100.00	6.4	n
PeCB-123	196357500	0.60 y	27:54	1.52	50.00	0.7	n
13C-PeCB-118	276423000	0.67 y	28:01	0.99	100.00	0.7	n
PeCB-118/106	213601900	0.61 y	28:02	1.55	50.00	2.1	n
13C-PeCB-114	277866000	0.66 y	28:39	1.00	100.00	3.1	n
PeCB-114	222798500	0.60 y	28:40	1.60	50.00	1.1	n
13C-PeCB-105	260417000	0.66 y	29:33	0.93	100.00	4.1	n
PeCB-105/127	186968500	0.60 y	29:34	1.44	50.00	1.0	n
13C-PeCB-126	276434000	0.65 y	31:26	0.99	100.00	8.8	n
PeCB-126	169251800	0.60 y	31:27	1.22	50.00	4.4	n
13C-OcCB-202	283053000	0.86 y	33:43	-	100.00	-	n
13C-HxCB-167	275080000	1.30 y	32:33	0.97	100.00	15.5	n
HxCB-167	147898800	1.26 y	32:33	1.08	50.00	-8.0	y
13C-HxCB-156	214370400	1.30 y	33:50	0.76	100.00	13.0	n
HxCB-156	165847400	1.27 y	33:51	1.55	50.00	6.5	n
13C-HxCB-157	226855700	1.30 y	34:09	0.80	100.00	13.4	n
HxCB-157	172807300	1.26 y	34:11	1.52	50.00	5.3	n
13C-HxCB-169	254969000	1.30 y	35:59	0.90	100.00	22.8	n
HxCB-169	135883400	1.29 y	36:00	1.07	50.00	7.8	n
13C-HpCB-180	178710600	1.05 y	34:48	0.63	100.00	8.0	n
HpCB-180	118105200	1.09 y	34:49	1.32	50.00	4.5	n
13C-HpCB-170	147960400	1.05 y	36:27	0.52	100.00	10.2	n
HpCB-170/190	122677600	1.10 y	36:28	1.66	50.00	3.2	n
13C-HpCB-189	201409700	1.05 y	38:04	0.71	100.00	18.9	n
HpCB-189	132920500	1.10 y	38:05	1.32	50.00	9.4	n
13C-DeCB-209	166363200	0.73 y	43:26	0.59	100.00	27.7	n
DECB-209	128248600	0.71 y	43:27	1.54	50.00	2.5	n
13C-PeCB-111	350287000	0.66 y	25:51	1.31	100.00	-3.8	n

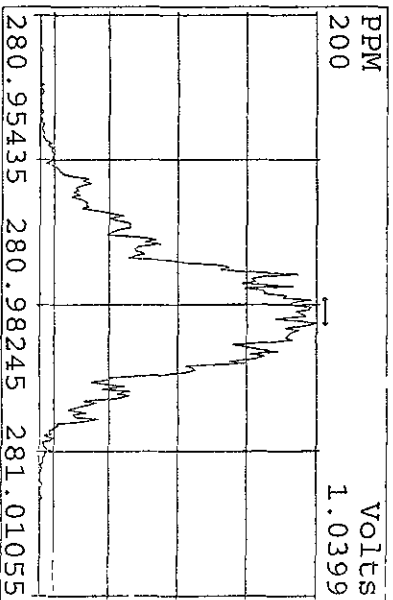
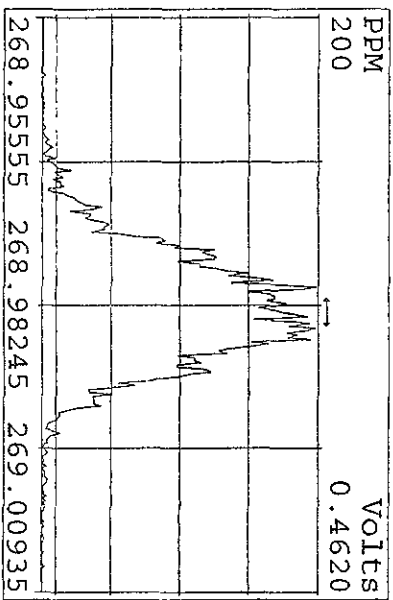
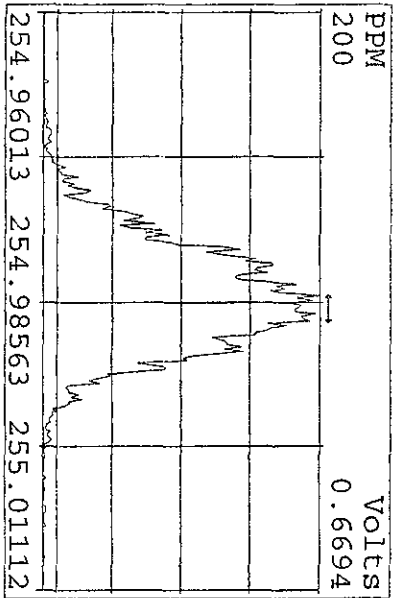
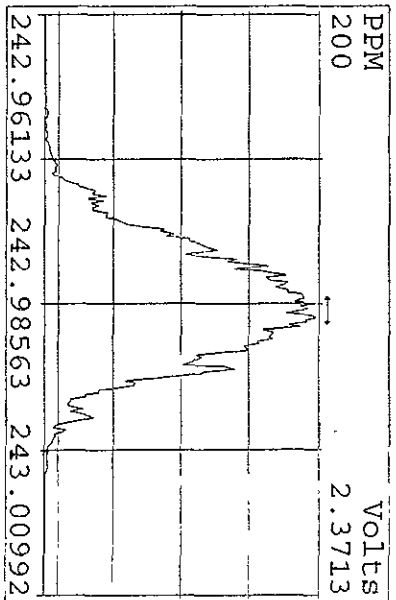
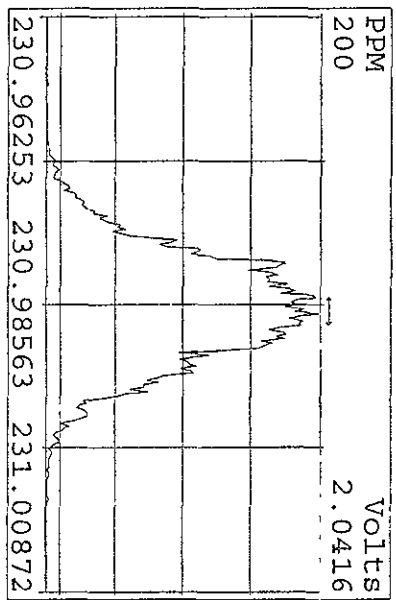
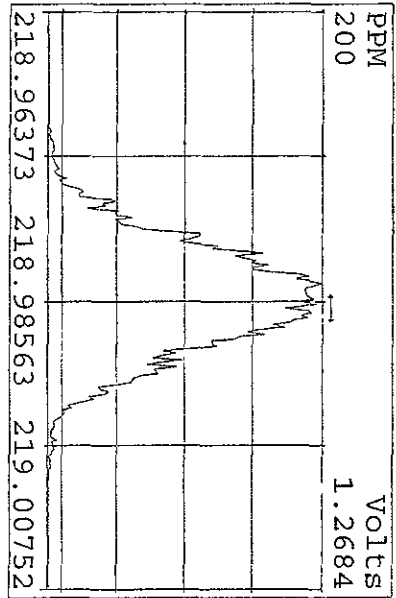
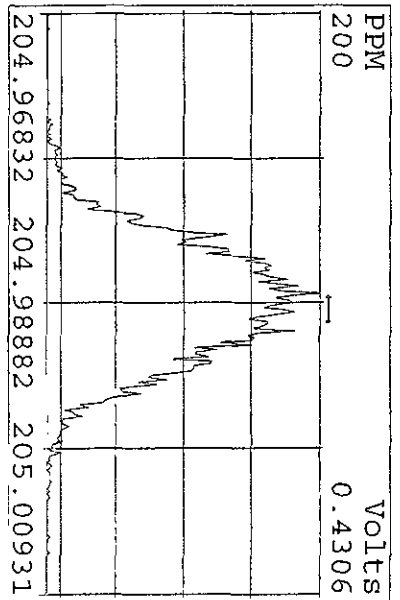
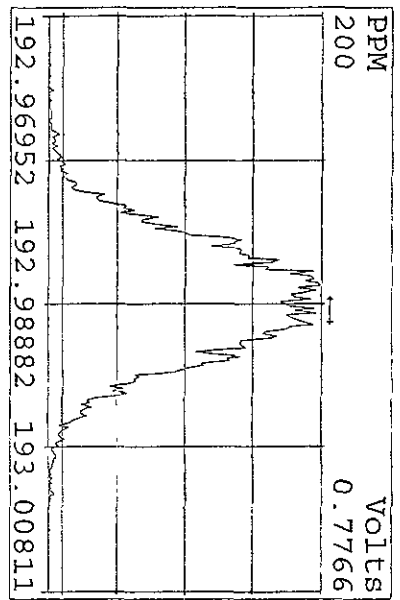
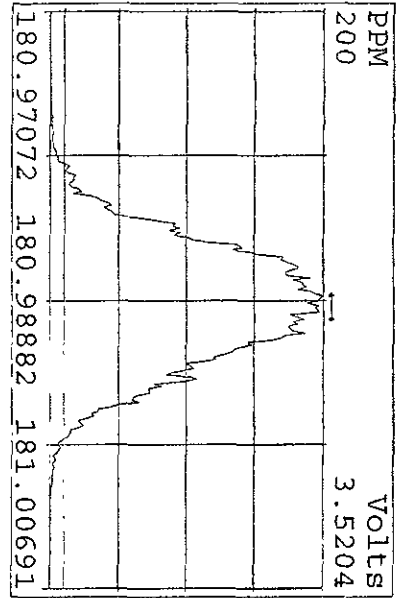
Run text: ST0429A File text: ST0429A :CS3 09DXN016  
 Run #6 Filename 29AP09C9D5 S: 2 I: 1  
 Acquired: 29-APR-09 20:04:57 Processed: 29-APR-09 23:34:59  
 Run: 29AP09C9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 29AP09C9D51668MSLDE

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	278849000	0.66 y	24:25	-	100.00	-	n
13C-TCB-81	287014000	0.79 y	25:57	1.03	100.00	8.7	n
TCB-81	184734000	0.77 y	25:58	1.29	50.00	0.7	n
13C-TCB-77	297386000	0.79 y	26:32	1.07	100.00	8.6	n
TCB-77	174080800	0.76 y	26:33	1.17	50.00	6.1	n
13C-PeCB-123	258458000	0.66 y	27:53	0.93	100.00	6.4	n
PeCB-123	196357500	0.60 y	27:54	1.52	50.00	0.7	n
13C-PeCB-118	276423000	0.67 y	28:01	0.99	100.00	0.7	n
PeCB-118/106	213601900	0.61 y	28:02	1.55	50.00	1.1	n
13C-PeCB-114	277866000	0.66 y	28:39	1.00	100.00	3.1	n
PeCB-114	222798500	0.50 y	28:40	1.60	50.00	1.1	n
13C-PeCB-105	260417000	0.66 y	29:33	0.93	100.00	4.1	n
PeCB-105/127	186968500	0.60 y	29:34	1.44	50.00	1.0	n
13C-PeCB-126	276434000	0.65 y	31:26	0.99	100.00	8.8	n
PeCB-126	169251800	0.60 y	31:27	1.22	50.00	4.4	n
13C-OcCB-202	283053000	0.86 y	33:43	-	100.00	-	n
13C-HxCB-167	275080000	1.30 y	32:33	0.97	100.00	15.5	n
HxCB-167	300974000	1.26 y	32:32	2.19	50.00	87.2	n
13C-HxCB-156	214370400	1.30 y	33:50	0.76	100.00	13.0	n
HxCB-156	165847400	1.27 y	33:51	1.55	50.00	6.5	n
13C-HxCB-157	226855700	1.30 y	34:09	0.80	100.00	13.4	n
HxCB-157	172807300	1.26 y	34:11	1.52	50.00	5.3	n
13C-HxCB-169	254969000	1.30 y	35:59	0.90	100.00	22.8	n
HxCB-169	135883400	1.29 y	36:00	1.07	50.00	7.8	n
13C-HpCB-180	178710600	1.05 y	34:48	0.63	100.00	8.0	n
HpCB-180	118105200	1.09 y	34:49	1.32	50.00	4.5	n
13C-HpCB-170	147960400	1.05 y	36:27	0.52	100.00	10.2	n
HpCB-170/190	122677600	1.10 y	36:28	1.66	50.00	3.2	n
13C-HpCB-189	201409700	1.05 y	38:04	0.71	100.00	18.9	n
HpCB-189	132920500	1.10 y	38:05	1.32	50.00	9.4	n
13C-DeCB-209	166363200	0.73 y	43:26	0.59	100.00	27.7	n
DECB-209	128248600	0.71 y	43:27	1.54	50.00	2.5	n
13C-PeCB-111	350287000	0.66 y	25:51	1.31	100.00	-3.8	n

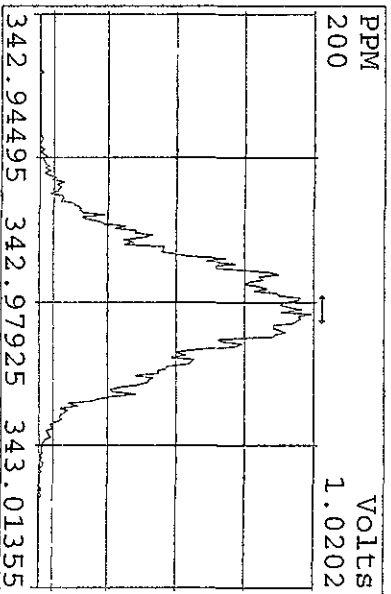
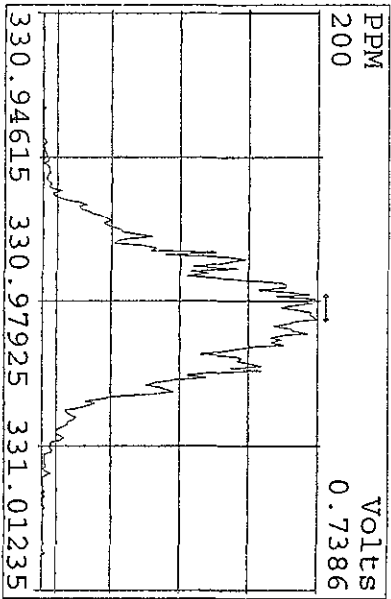
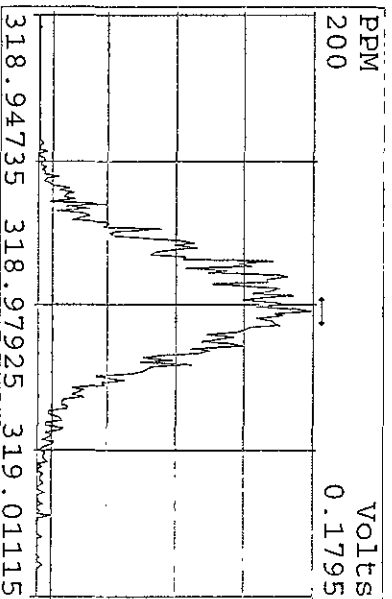
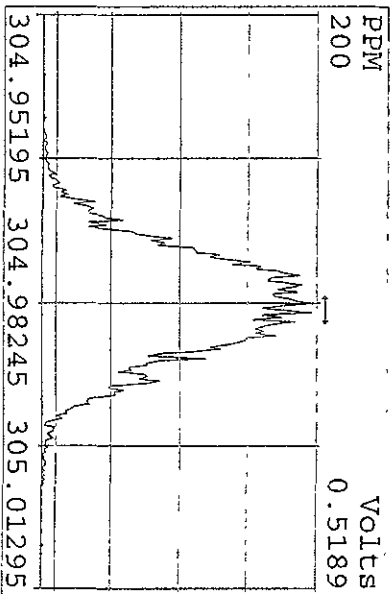
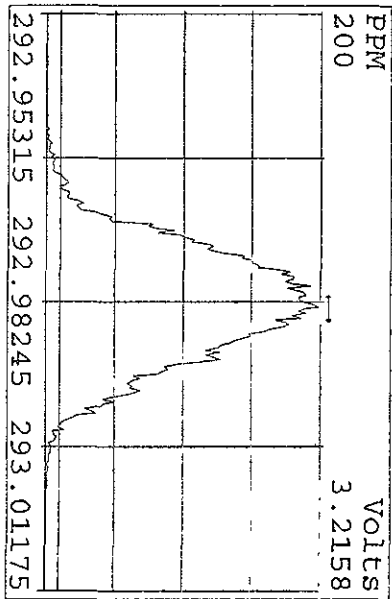
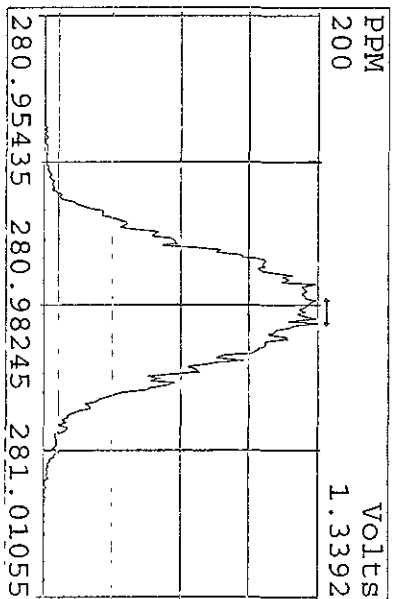
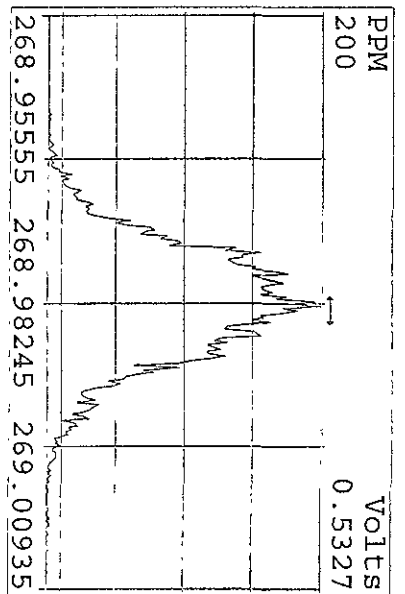
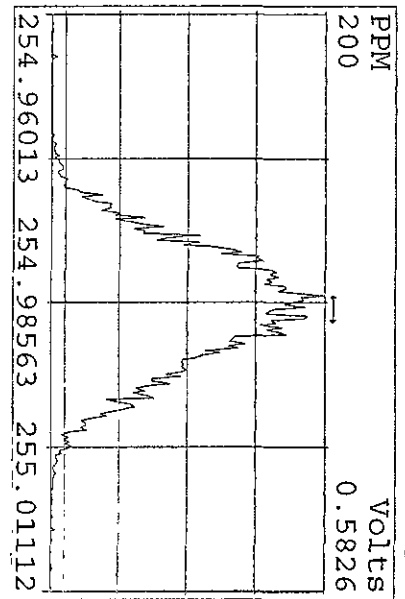
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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29AP09C9D5	2	ST0429A	CS3 09DXN016				1.00000	
29AP09C9D5	3	ST0429B	209PCB 3249-47				1.00000	
29AP09C9D5	4	SB0429	Solvent Blank C-12				1.00000	
29AP09C9D5	5	LAP3K-1-AA	G9D070246-1MB	20	1668/WATER	35	1.00000	L
29AP09C9D5	6	LAP3K-1-AC	G9D070246-1LCS	20	1668/WATER		1.00000	L
29AP09C9D5	7	K9PMQ-1-AA	G9D070246-1	20	1668/WATER		1.05680	L
29AP09C9D5	8	K9PMT-1-AA	G9D070246-2	20	1668/WATER		1.07880	L
29AP09C9D5	9	K9PMW-1-AA	G9D070246-3	20	1668/WATER		1.07390	L
29AP09C9D5	10	K9PM0-1-AA	G9D070246-4	20	1668/WATER		1.03530	L
29AP09C9D5	11	LAVAT-1-AA	F9D210216-2MB	20	1668/WATER	36	1.00000	L
29AP09C9D5	12	LAVAT-1-AC	F9D210216-2LCS	20	1668/WATER		1.00000	L
29AP09C9D5	13	LAF21-1-C4	F9D210216-2	20	1668/WATER		1.07090	L
29AP09C9D5	14	LAF3A-1-CF	F9D210216-3	20	1668/WATER		1.06710	L
29AP09C9D5	15	LAVLC-1-AA	G9D090272-1MB	20	1668/WATER	35	0.25000	SAM
29AP09C9D5	16	LAVLC-1-AC	G9D090272-1LCS	20	1668/WATER		0.25000	SAM
29AP09C9D5	17	SB0429A	Solvent Blank C-12				1.00000	
29AP09C9D5	18	ST0429C	CS3 09DXN016				1.00000	
29AP09C9D5	19	ST0429D	209PCB 3249-47				1.00000	
29AP09C9D5	20	SB0429D	Solvent Blank C-12				1.00000	
29AP09C9D5	21	K9PMQ-1-AA	G9D070246-1 (5X)	20	1668/WATER		1.05680	L
29AP09C9D5	22	K9LD9-1-AD	G9D030338-8X	20	1668/SOLID		10.43000	g
29AP09C9D5	23	K9LD9-1-AC	G9D030338-8	20	1668/SOLID		10.42600	g
29AP09C9D5	24	K9LD7-1-AC	G9D030338-6	20	1668/SOLID		10.18000	g
29AP09C9D5	25	K9LD7-1-AD	G9D030338-6S	20	1668/SOLID		10.09000	g
29AP09C9D5	26	K9LD7-1-AE	G9D030338-6D	20	1668/SOLID		10.30000	g
29AP09C9D5	27	K9LD8-1-AC	G9D030338-7	20	1668/SOLID		10.09000	g
29AP09C9D5	28	K9LD6-1-AC	G9D030338-5	20	1668/SOLID		10.28000	g
29AP09C9D5	29	K9LD5-1-AC	G9D030338-4	20	1668/SOLID		10.16000	g
29AP09C9D5	30	K9LD4-1-AC	G9D030338-3	20	1668/SOLID		10.08000	g
29AP09C9D5	31	K9LD3-1-AC	G9D030338-2	20	1668/SOLID		10.23000	g
29AP09C9D5	32	K9LD2-1-AC	G9D030338-1	20	1668/SOLID		10.24000	g
29AP09C9D5	33	SB0429E	Solvent Blank C-12				1.00000	
29AP09C9D5	34	ST0429E	CS3 09DXN016				1.00000	
29AP09C9D5	35	SB0429F	Solvent Blank C-12				1.00000	
29AP09C9D5	36	LAVLC-1-AD	G9D090272-1DCS	20	1668/SOLID	35	0.25000	SAM
29AP09C9D5	37	K9V8E-2-AC	G9D090272-1RX	20	1668/SOLID		0.25000	SAM
29AP09C9D5	38	K9VEL-2-AC	G9D090272-2RX	20	1668/WATER		0.25000	SAM
29AP09C9D5	39	K9V8P-2-AC	G9D090272-3RX	20	1668/WATER		0.25000	SAM
29AP09C9D5	40	K9LEW-1-AA	G9D030340-6	20	1668/WATER	36	1.03500	L
29AP09C9D5	41	K9LEX-1-AA	G9D030340-7	20	1668/WATER		1.01220	L
29AP09C9D5	42	LAVA5-1-AAB	F9D150204-1MB	20	1668/WASTE	37	1.00000	g
29AP09C9D5	43	LAVA5-1-ACC	F9D150204-1LCS	20	1668/WASTE		1.00000	g
29AP09C9D5	44	K9490-1-AE	F9D150204-1	20	1668/WASTE		1.17000	g
29AP09C9D5	45	LAVQJ-1-ACC	G9D220326-1LCS	20	1668/WASTE	36	0.50000	SAM
29AP09C9D5	46	LAVQJ-1-AAB	G9D220326-1MB	20	1668/WASTE		0.50000	SAM
29AP09C9D5	47	LAKA6-1-AC	G9D220326-1	20	1668/WASTE		0.50000	SAM
29AP09C9D5	48						1.00000	
29AP09C9D5	49						1.00000	
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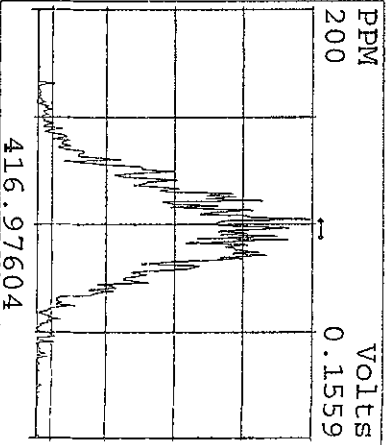
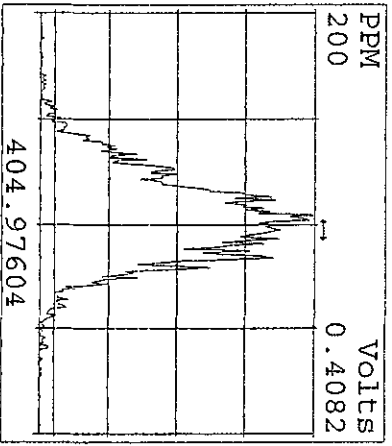
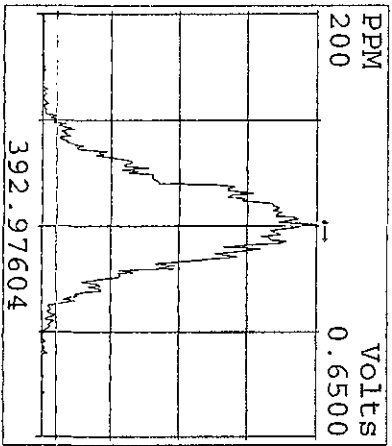
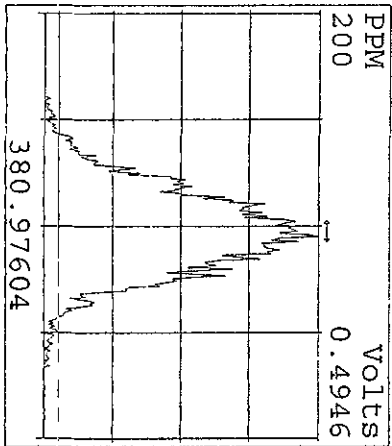
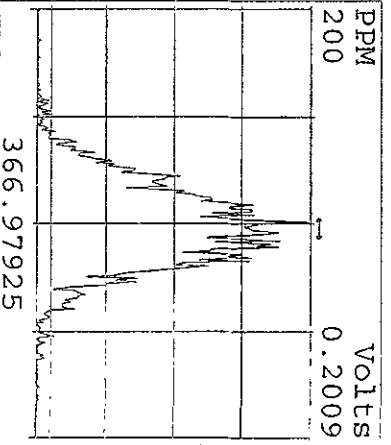
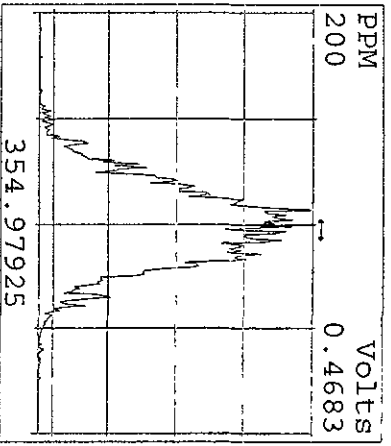
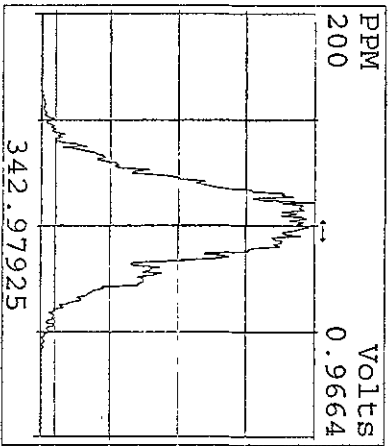
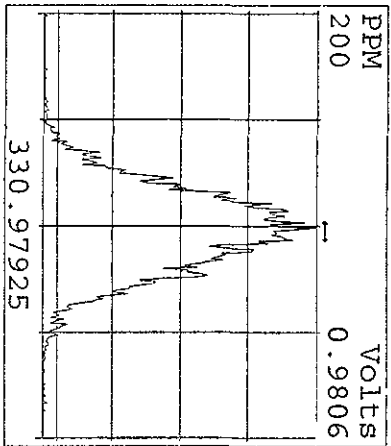
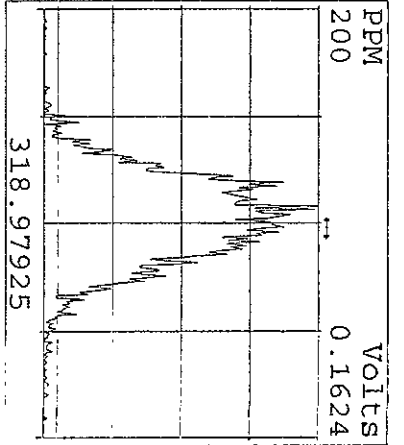
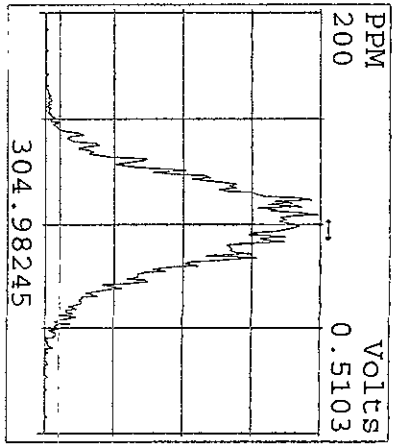
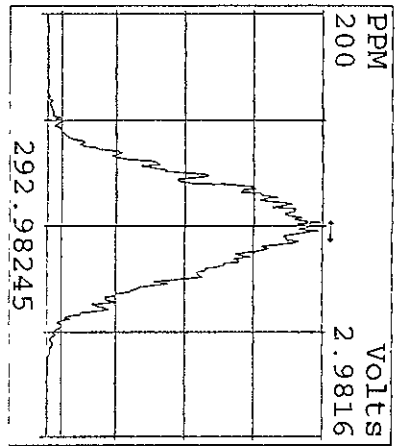
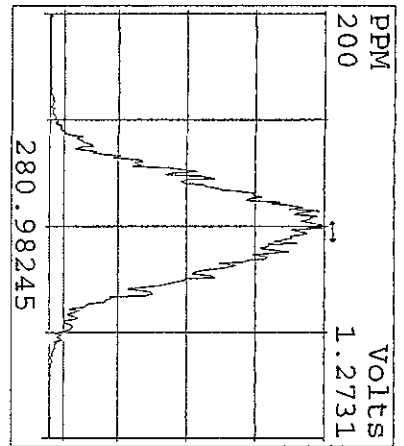
Peak Locate Examination: 29-APR-2009: 19:05 File: 29AP09C9D5  
 Experiment: 209DB5 Function: 1 Reference: PFK



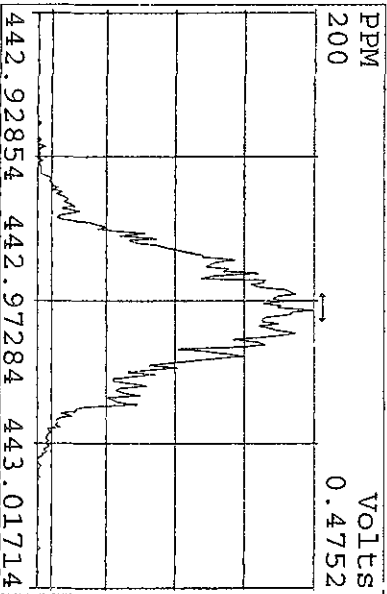
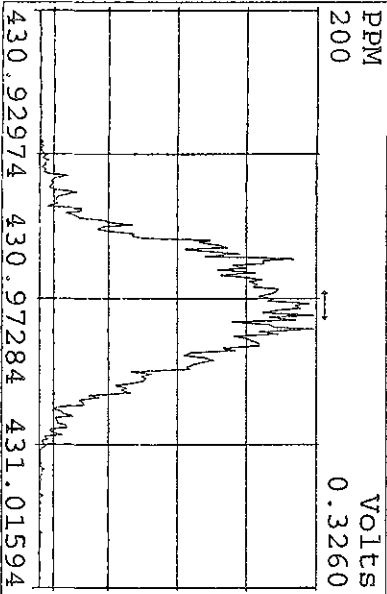
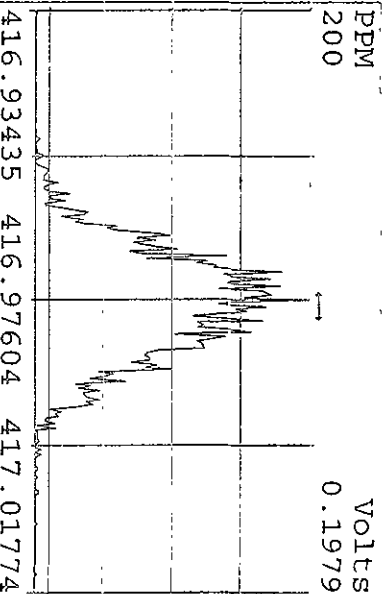
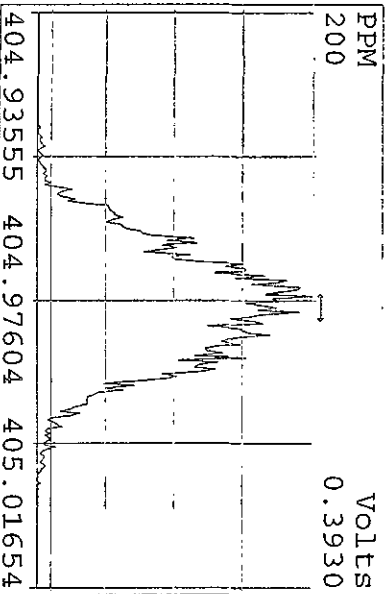
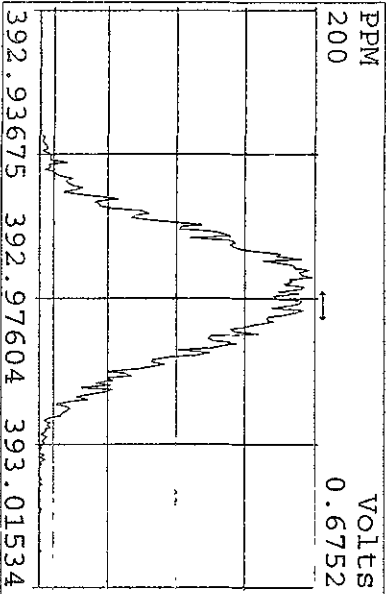
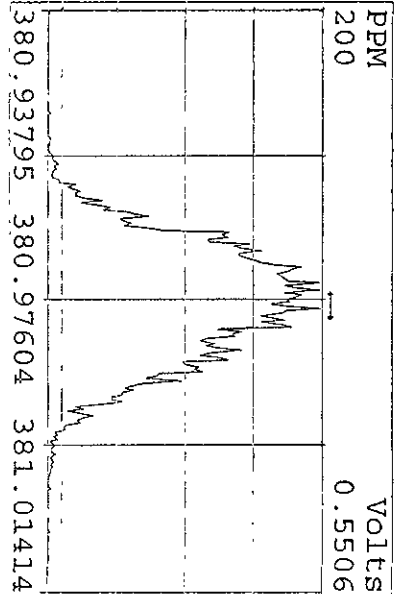
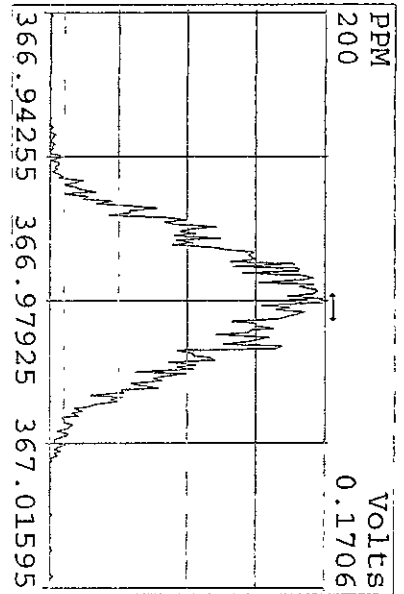
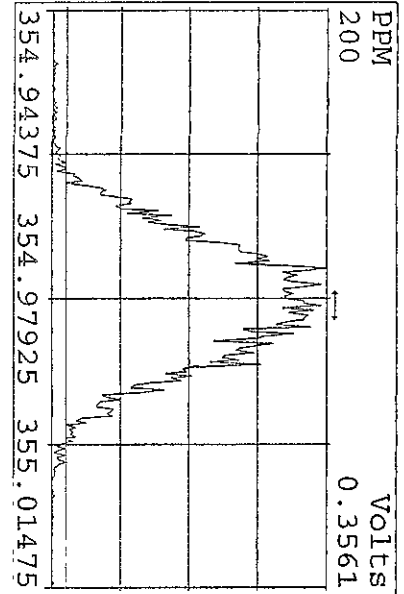
Peak Locate Examination: 29-APR-2009:19:07 File: 29AP09C9D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



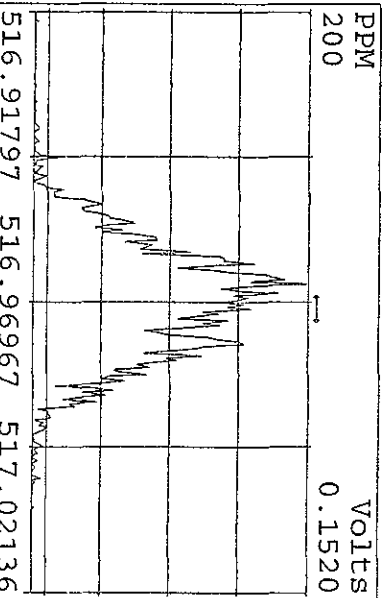
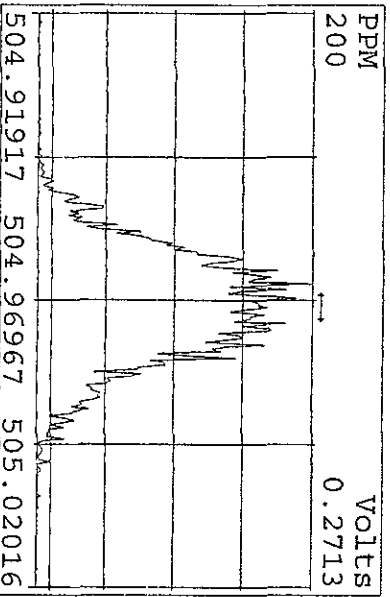
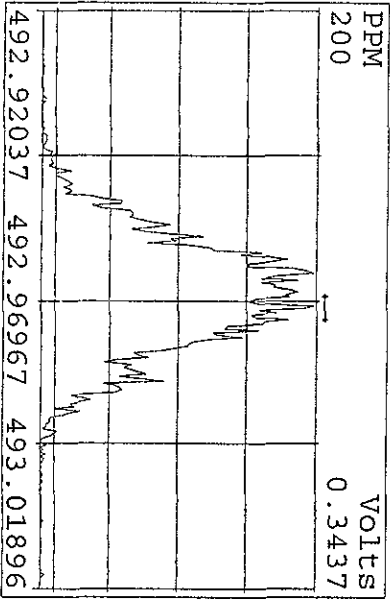
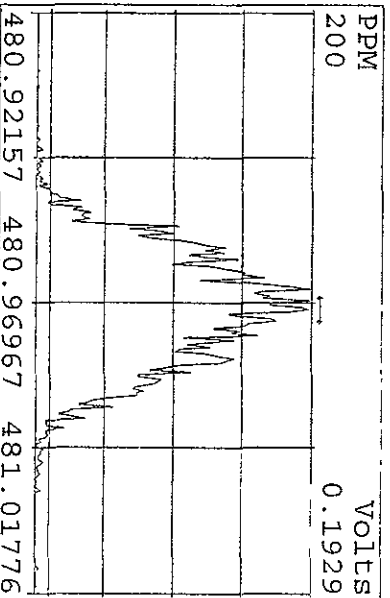
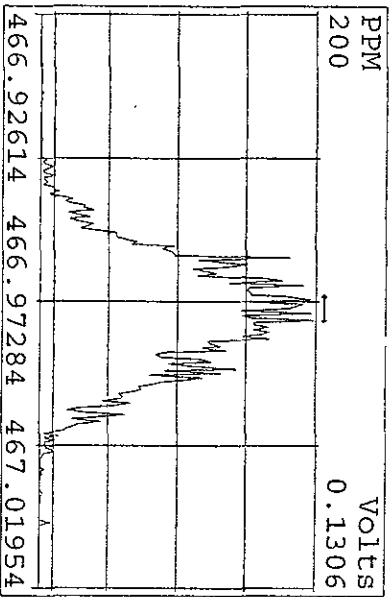
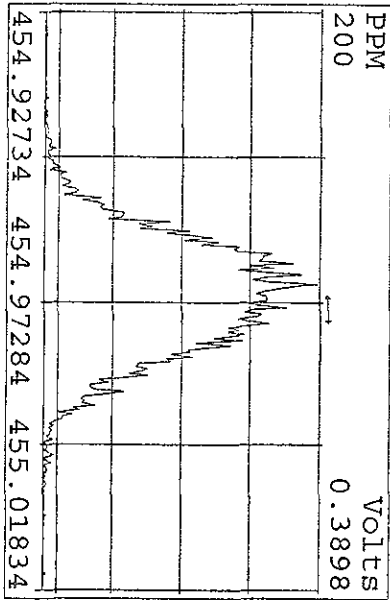
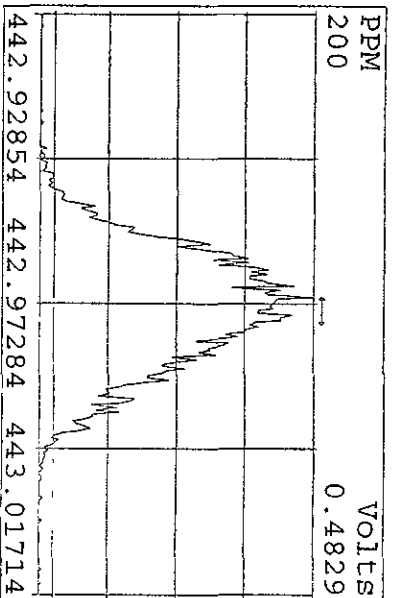
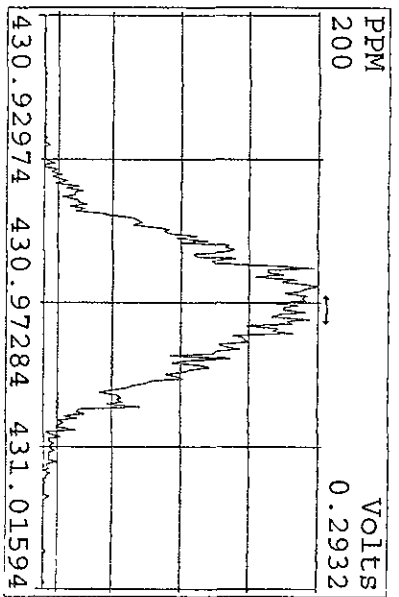
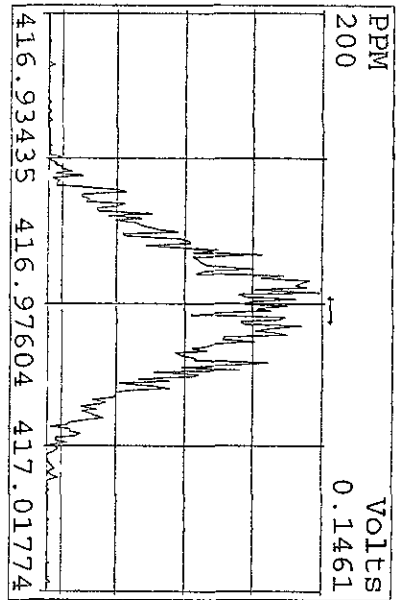
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Experiment: 209DB5 Function: 3 Reference: PFX



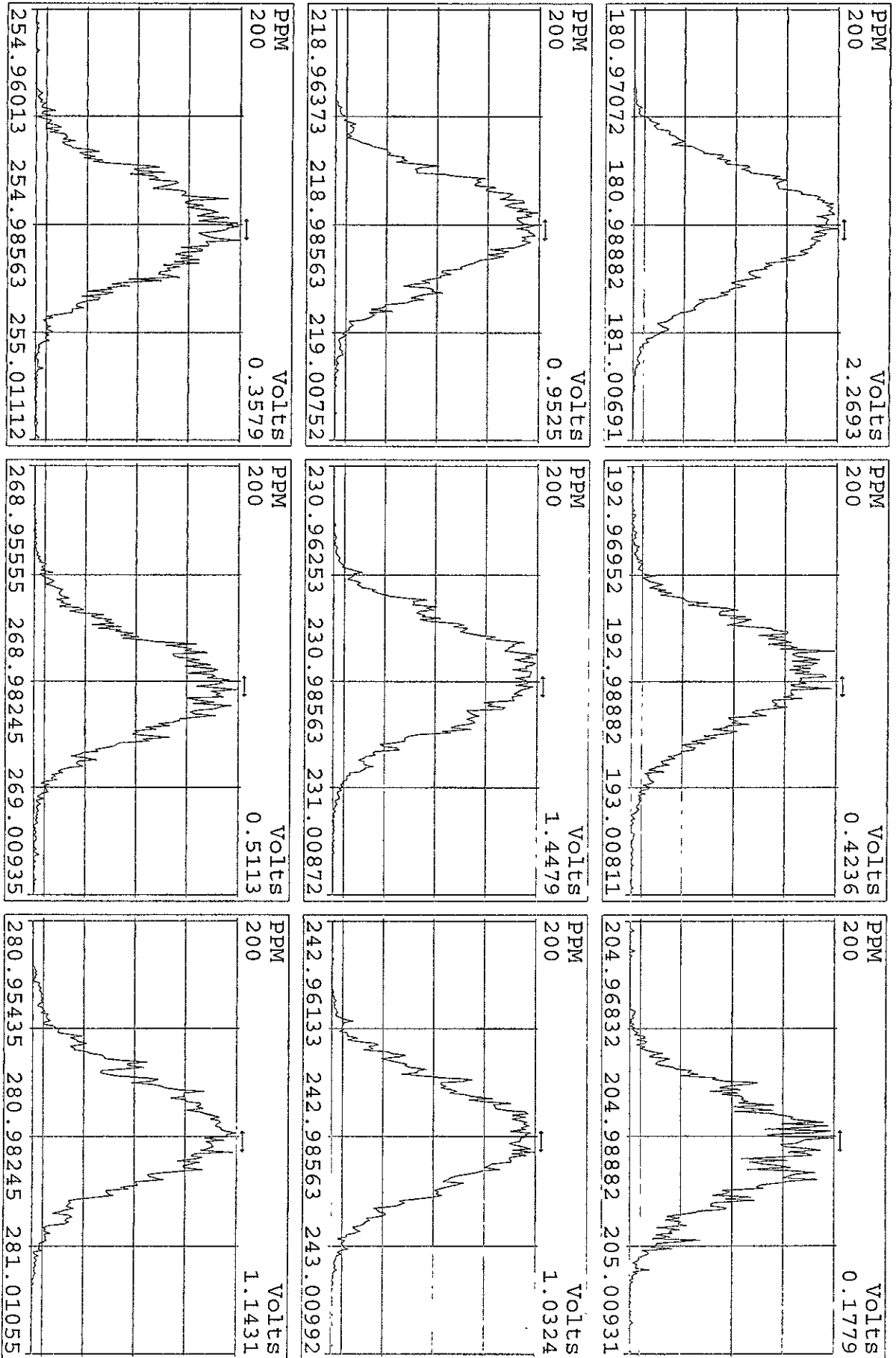
Peak Locate Examination: 29-APR-2009:19:10 File: 29AP09C9D5  
 Experiment: 209DB5 Function: 4 Reference: PRK



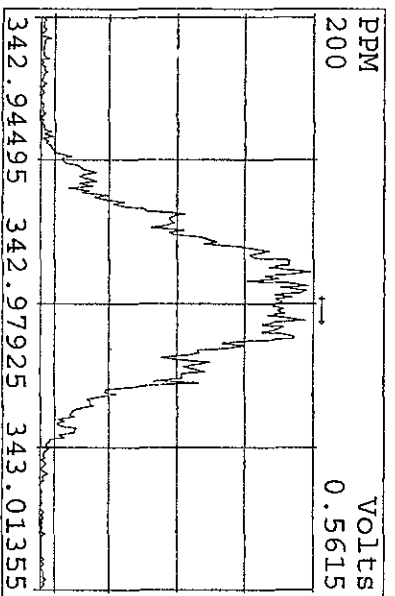
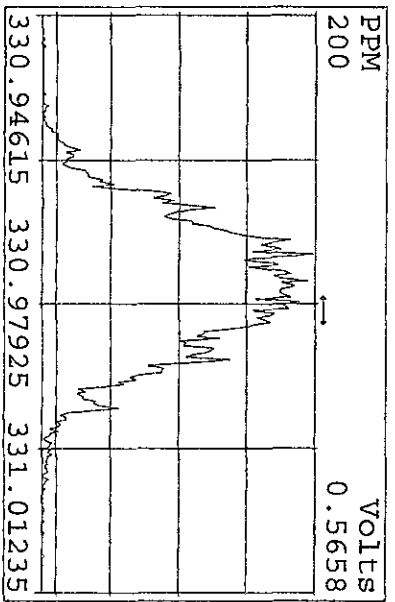
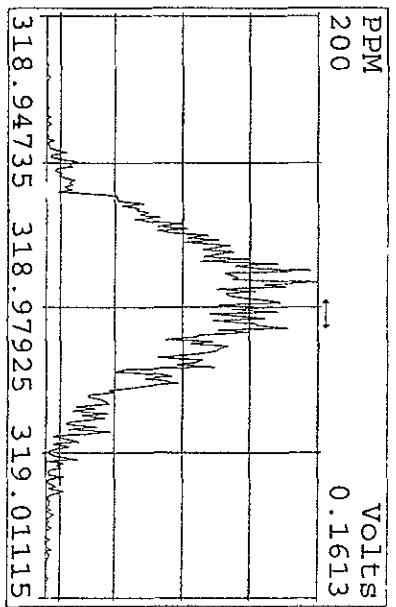
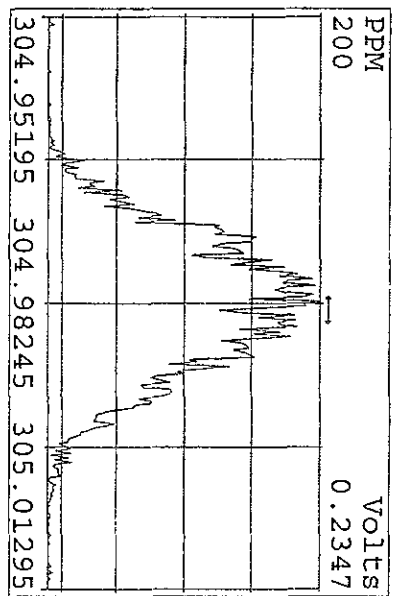
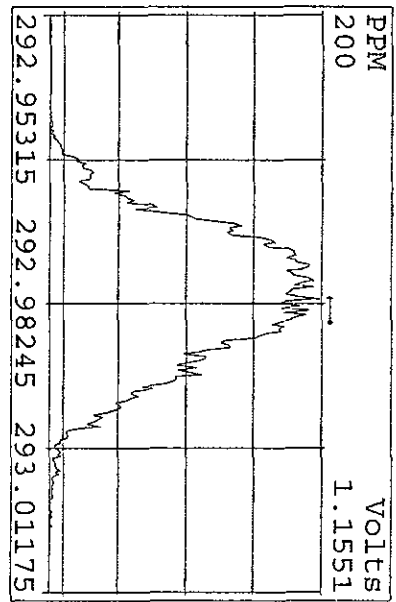
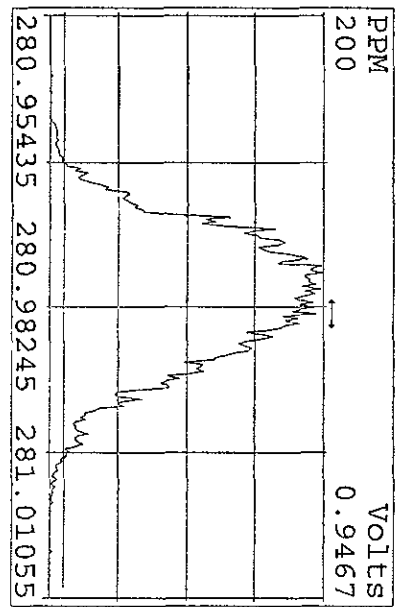
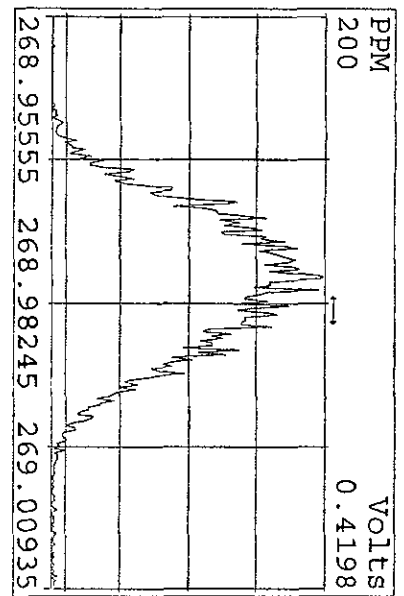
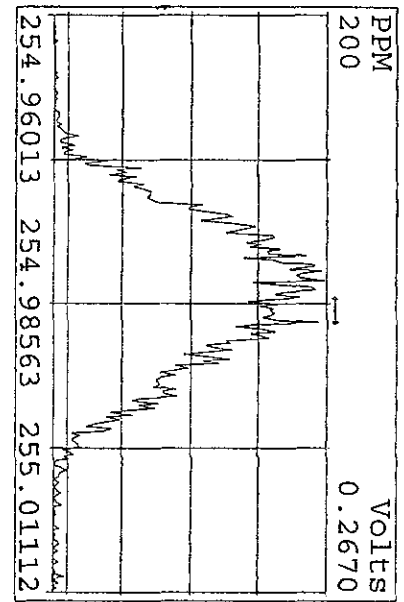
Peak Locate Examination: 29-APR-2009:19:11 File: 29AP09CG9D5  
 Experiment: 209DB5 Function: 5 Reference: PFK



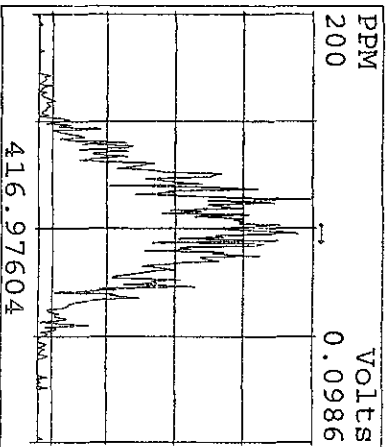
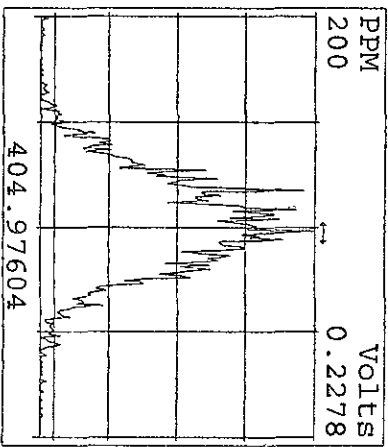
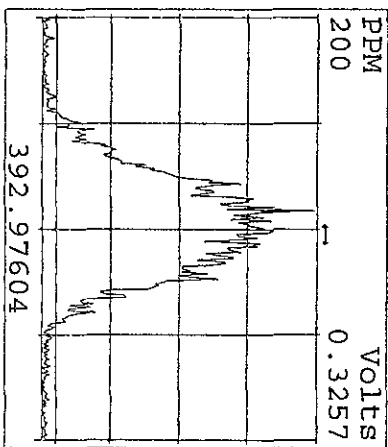
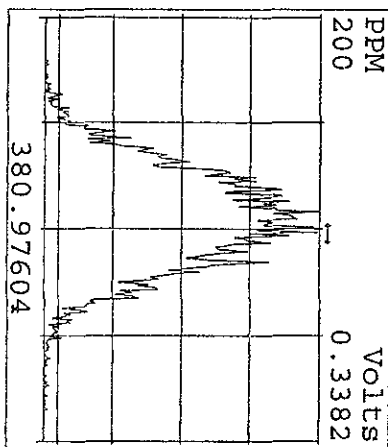
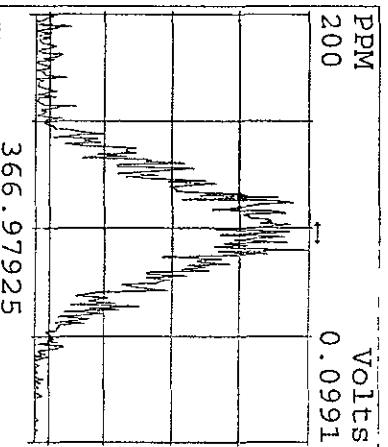
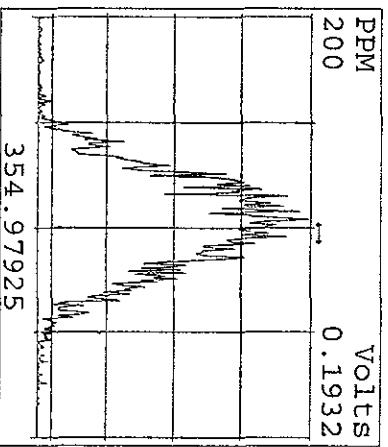
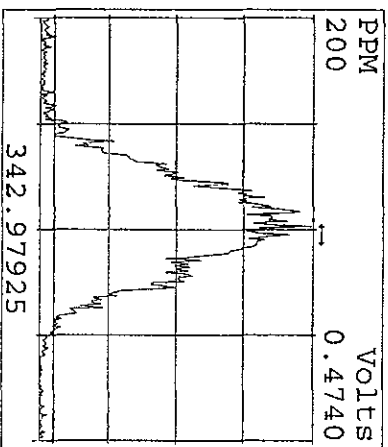
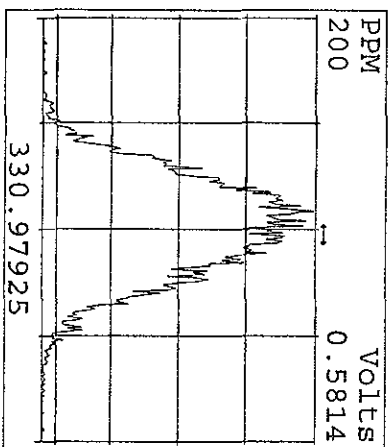
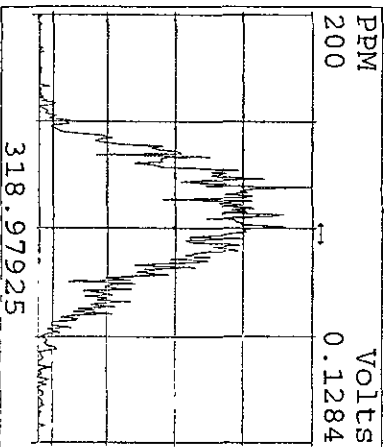
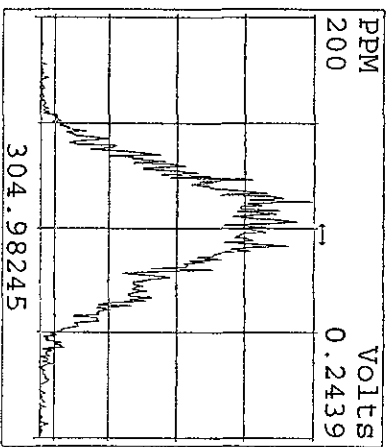
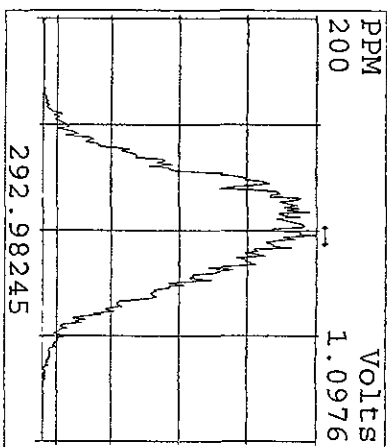
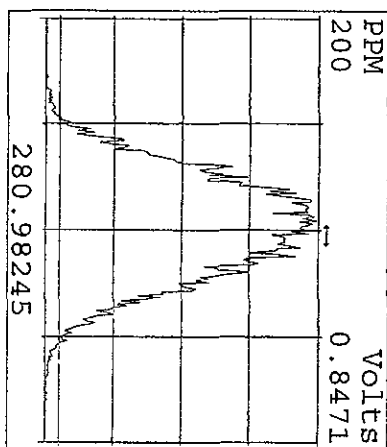
Peak Locate Examination: 1-MAY-2009:12:19 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:1 Reference:PFK



Peak Locate Examination: 1-MAY-2009:12:19 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:2 Reference:PFK

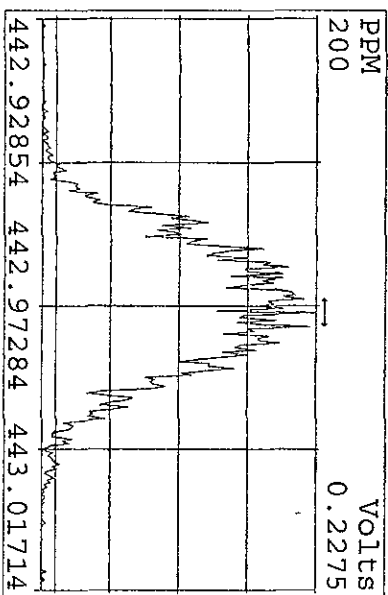
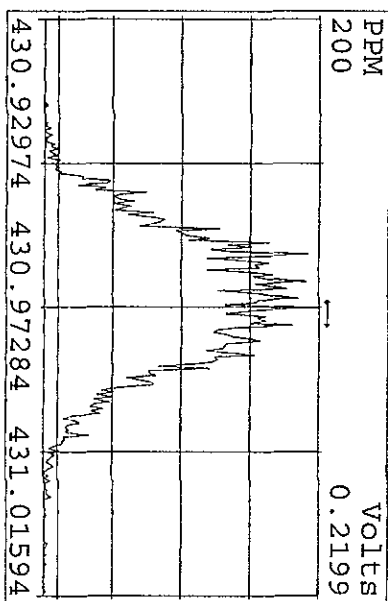
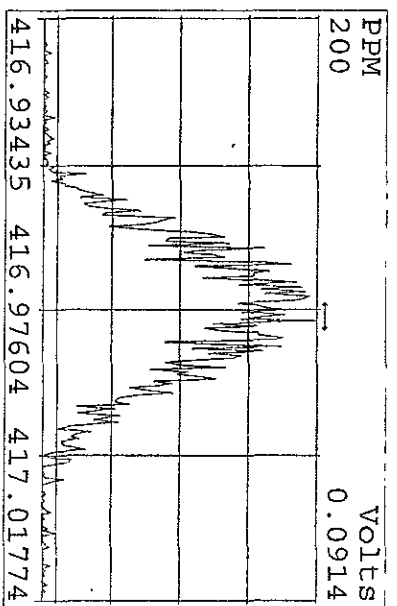
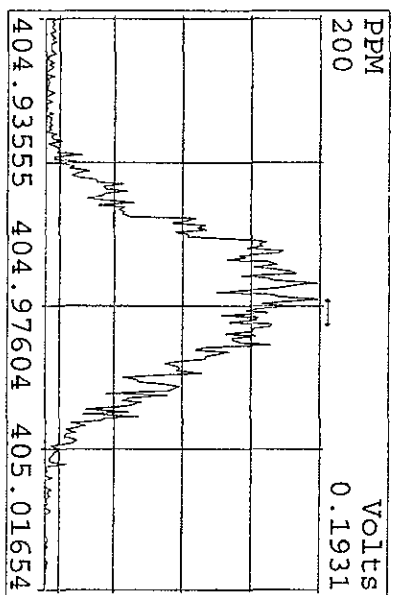
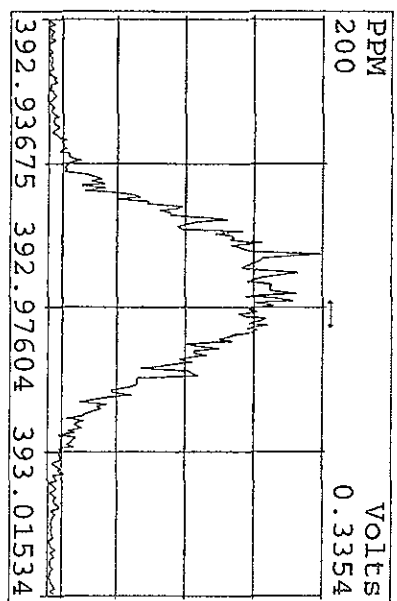
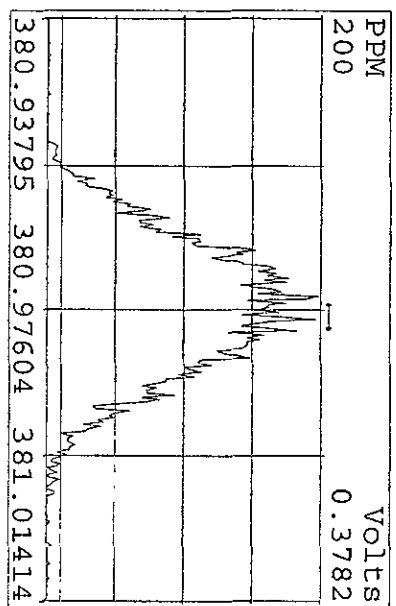
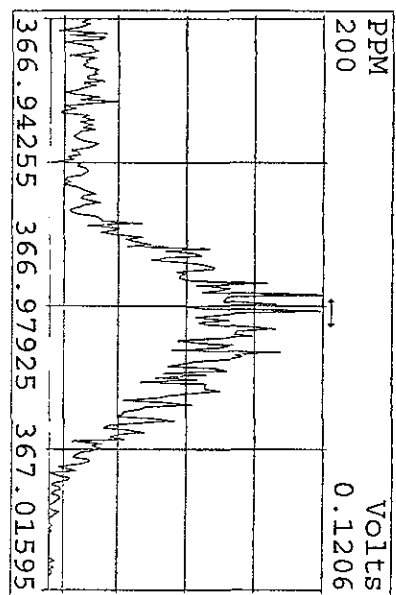
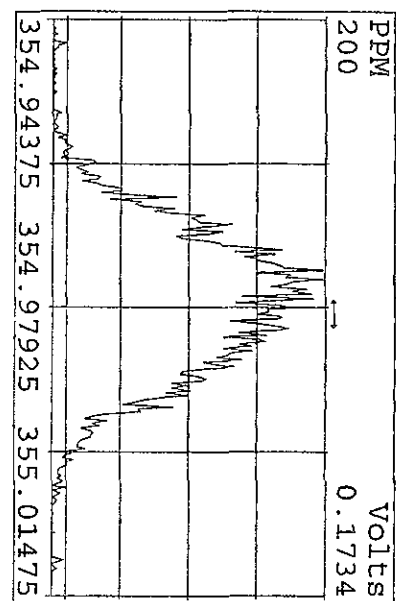


Peak Locate Examination: 1-MAY-2009:12:19 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:3 Reference:PFK

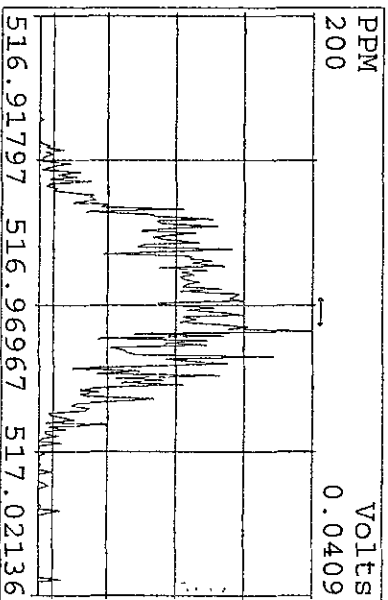
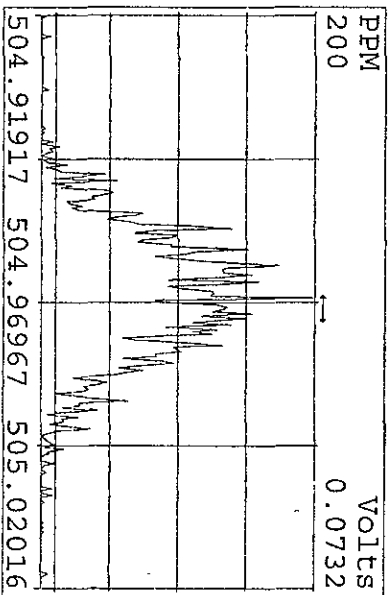
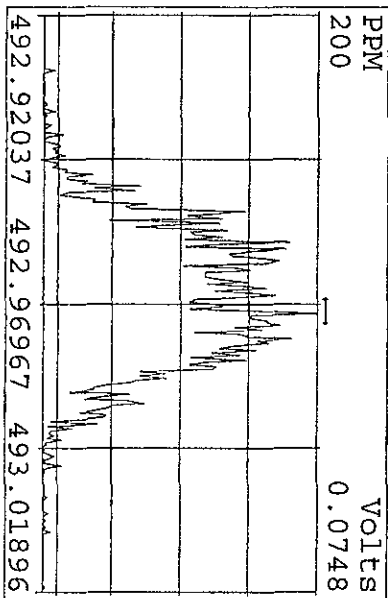
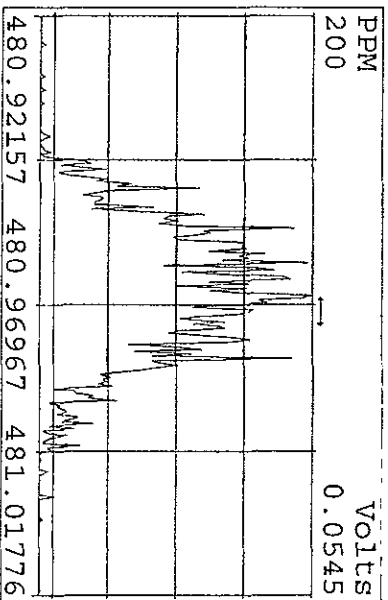
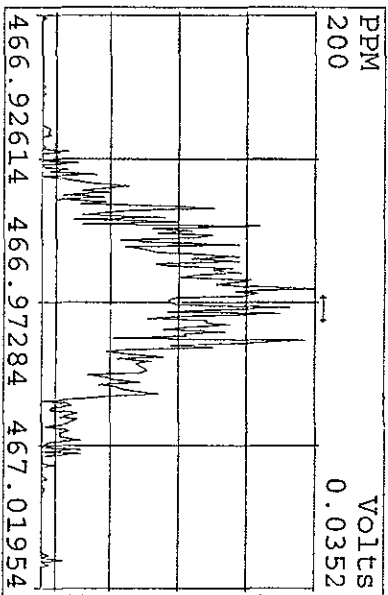
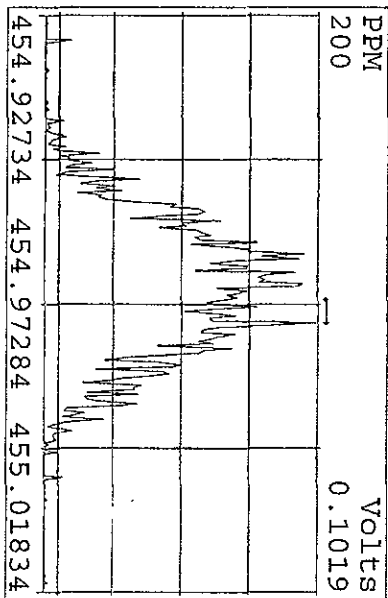
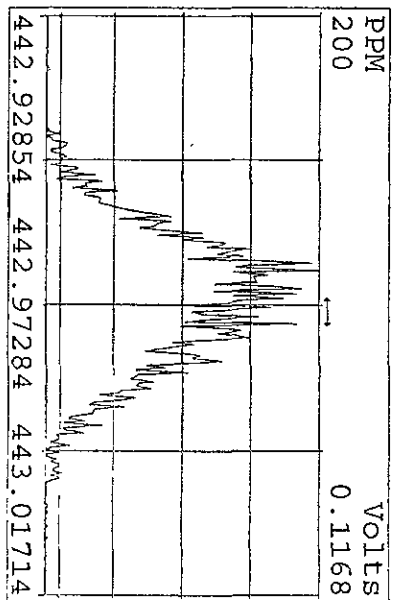
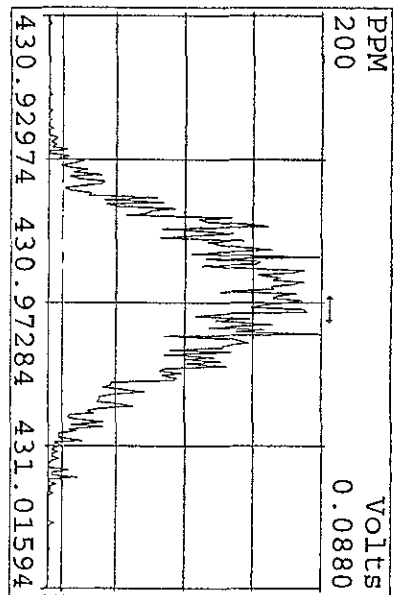
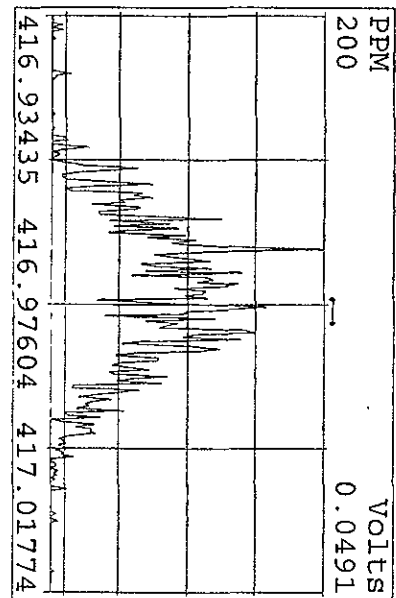




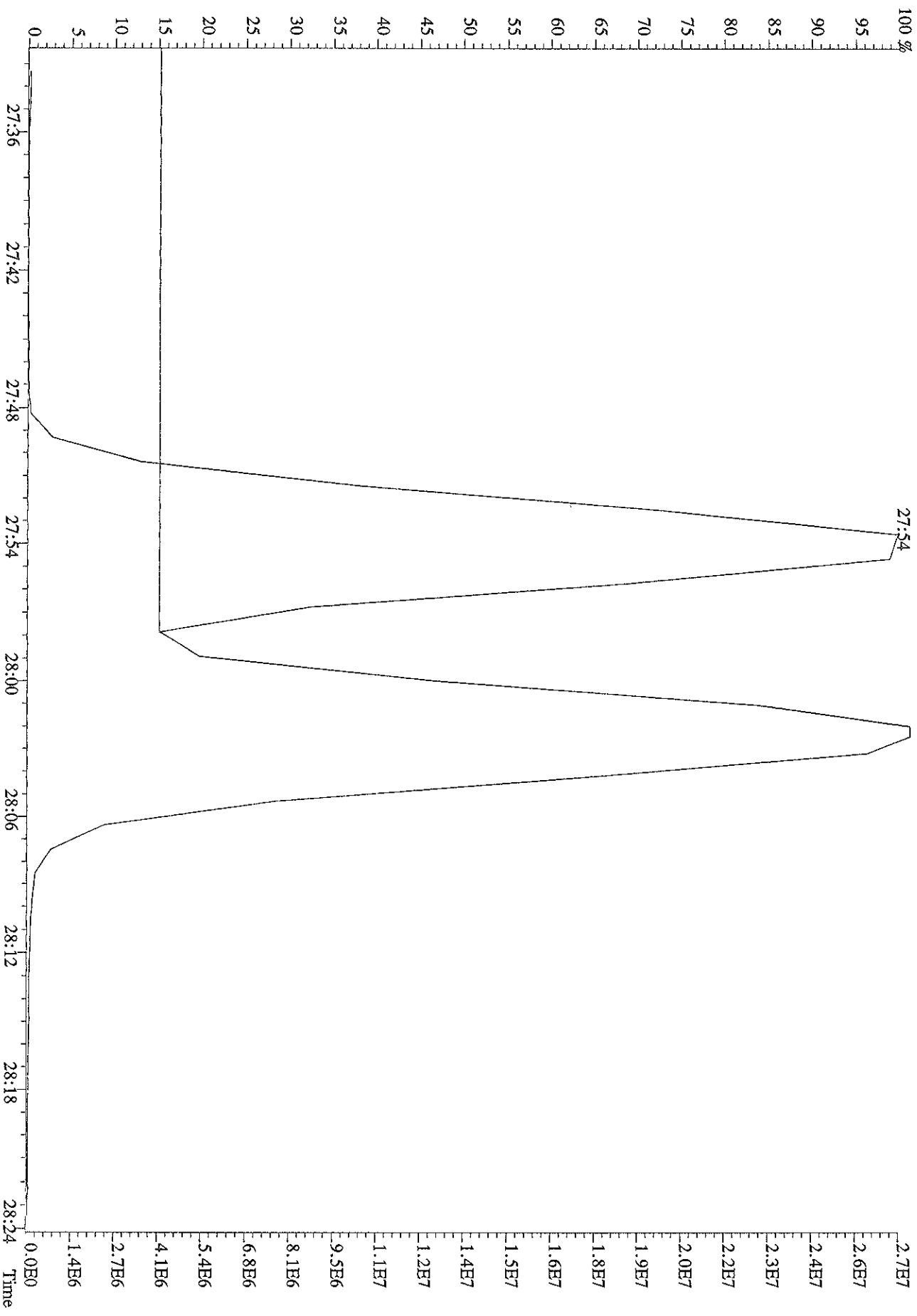
Peak Locate Examination: 1-MAY-2009:12:20 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:4 Reference:PFK



Peak Locate Examination: 1-MAY-2009:12:20 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:5 Reference:PRK



File:29AP09C9D5 #1-594 Acq:29-APR-2009 20:04:57 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#2 Text:ST0429A :CS3 09DXN016 Exp:209DB5



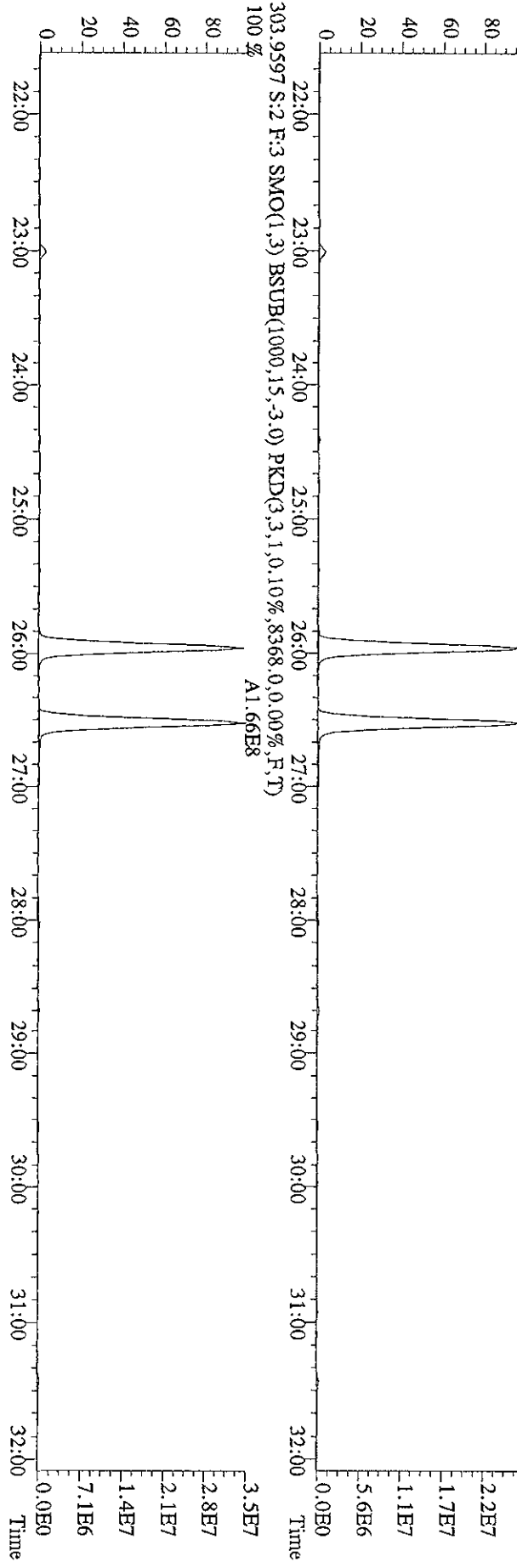
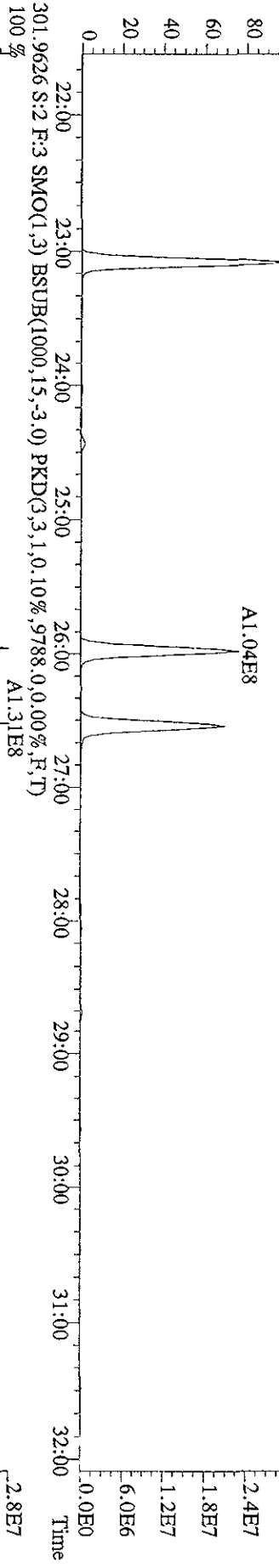
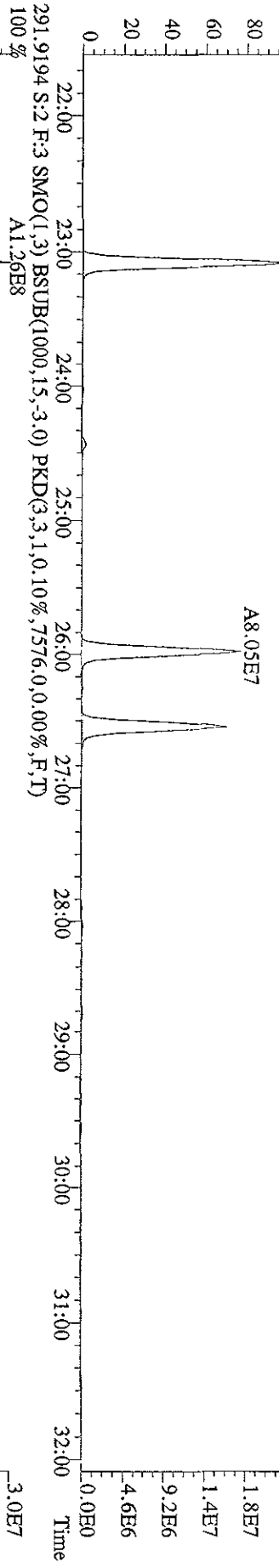
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 ST0115C : CS4 09DXN017 ST0115D : CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

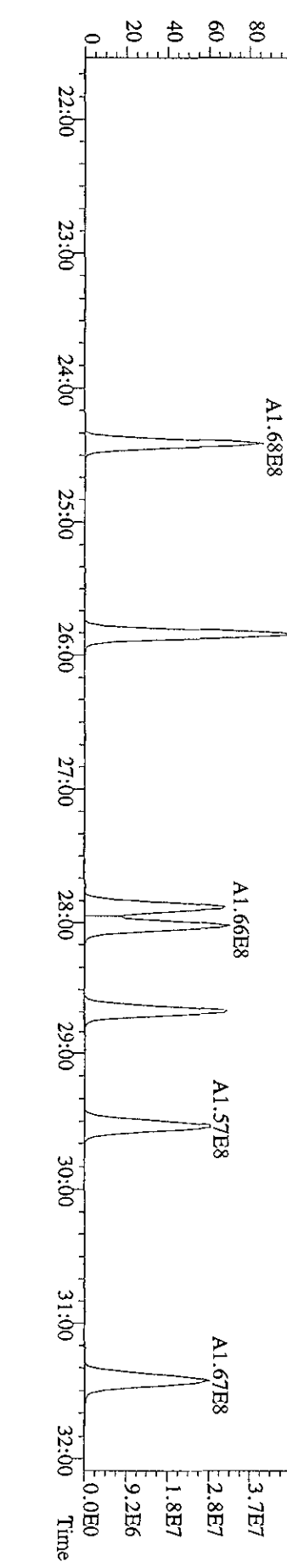
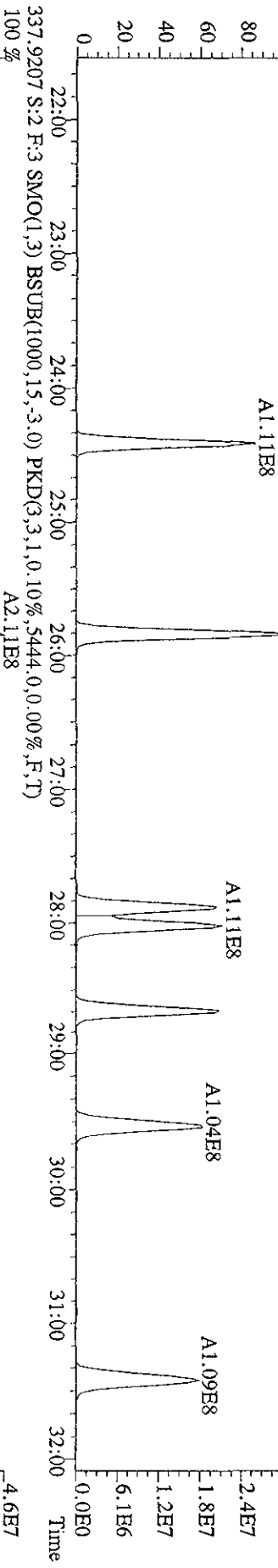
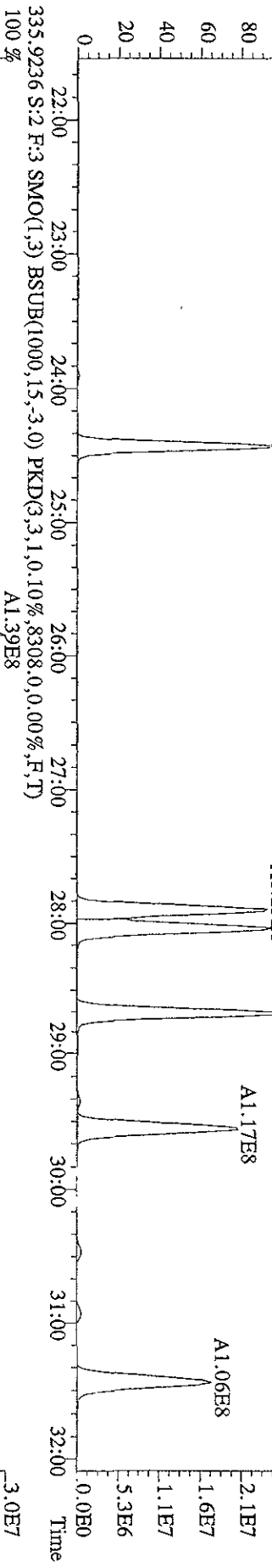
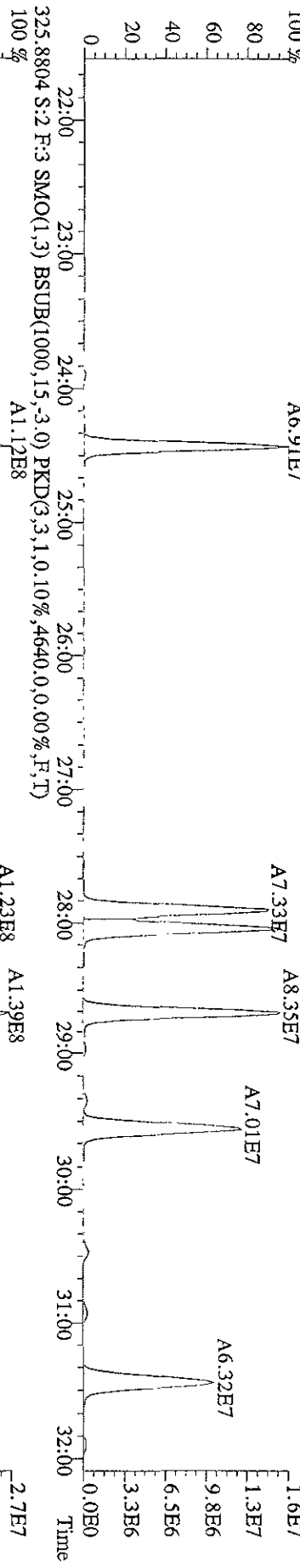
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-PeCB-101	-	-	- %	-	-	-	-	-
13C-TGB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TGB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TGB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TGB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OCCB-202	-	-	- %	-	-	-	-	-
13C-HXCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HXCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HXCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HXCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HXCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HXCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HXCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HXCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

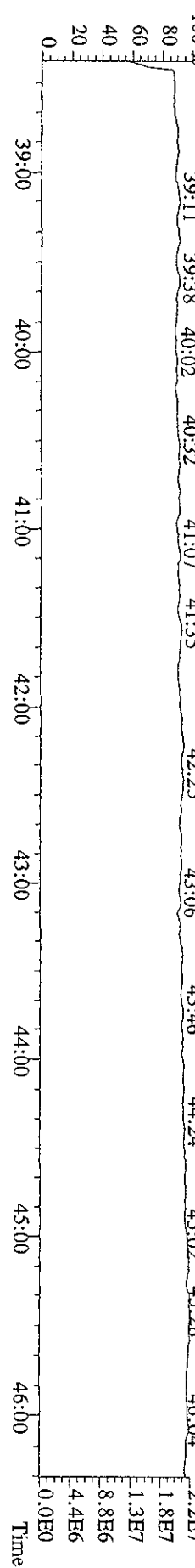
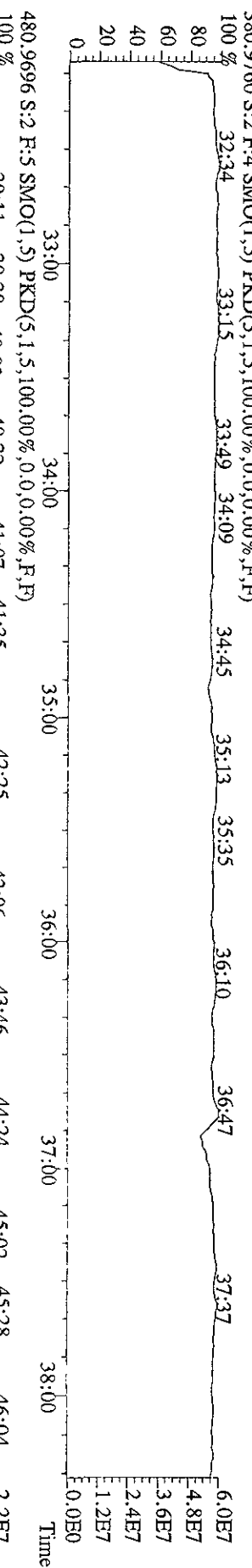
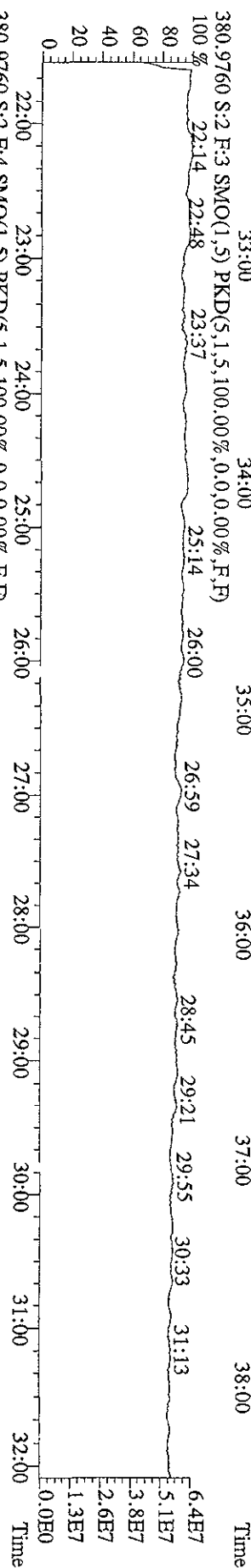
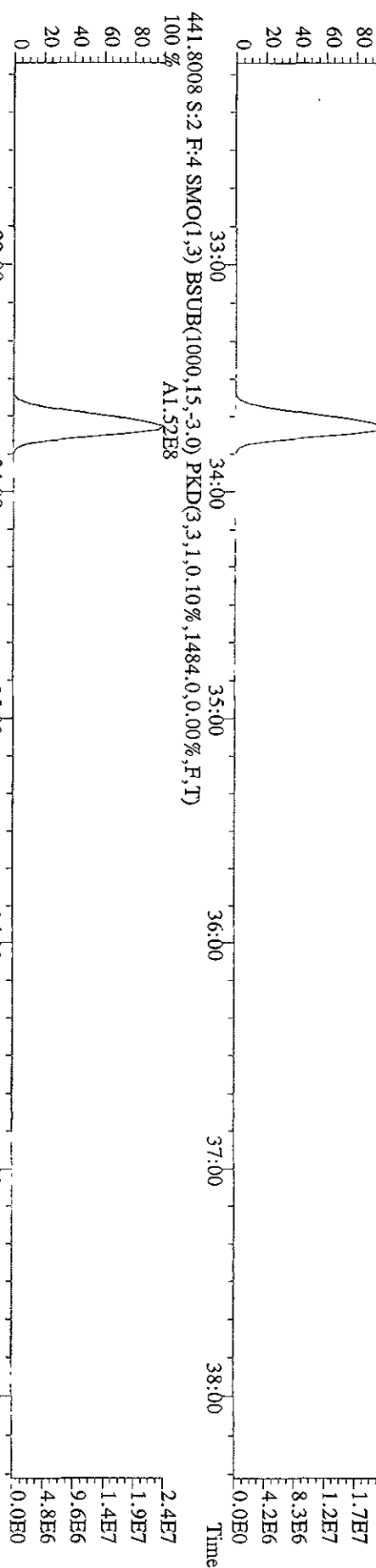
File:29AP09C9D5 #1-594 Acq:29-APR-2009 20:04:57 GC EI+ Voltage S1R Autospec-UtimaE  
 Sample#2 Text:ST0429A :CS3 09DXN016 Exp:209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5804,0,0,00%,F,T)  
 100% A9.59E7



File:29AP09C9D5 #1-594 Acq:29-APR-2009 20:04:57 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0429A :CS3 09DXN016 Exp:209DB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4996,0,0,00%,F,T)

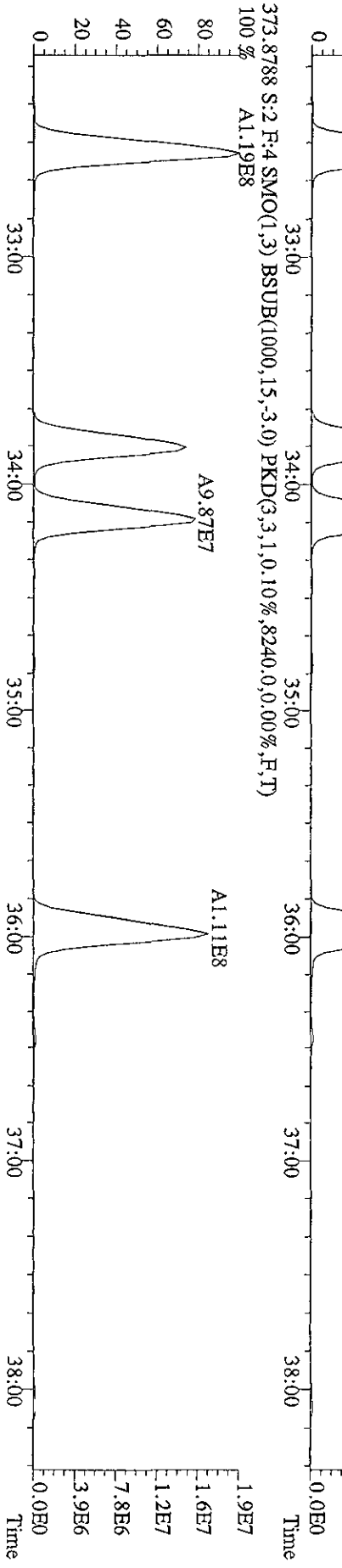
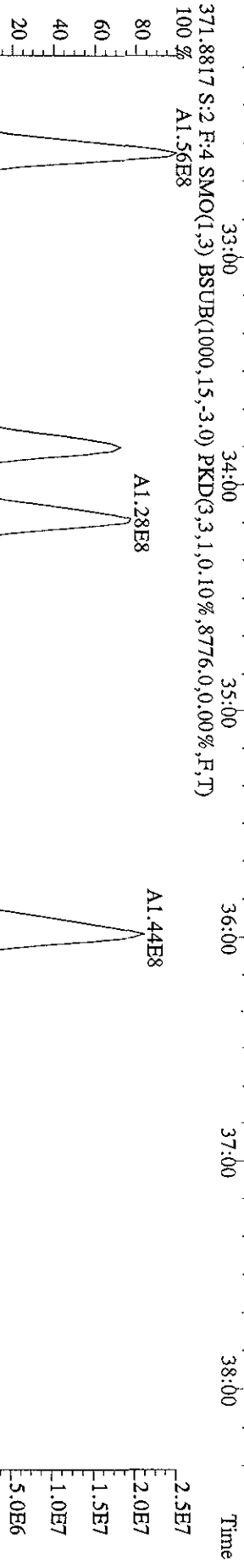
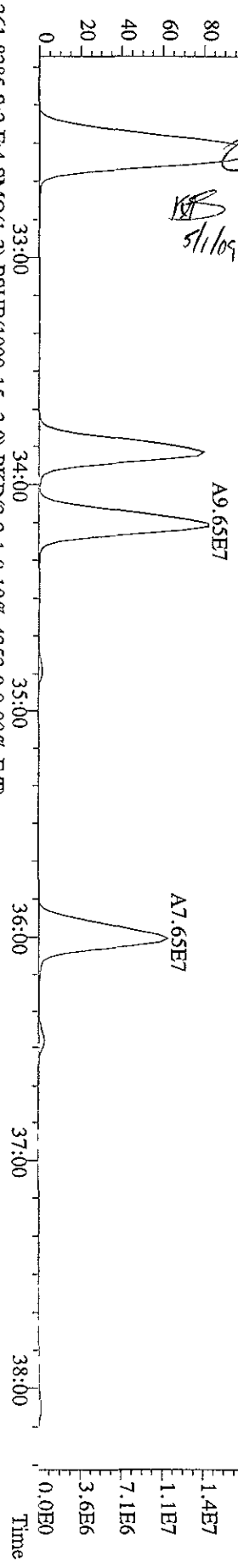


File: 29AP09C9D5 #1-381 Acq: 29-APR-2009 20:04:57 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0429A :CS3 09DXN016 Exp: 209DB5  
 439.8038 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,204,0,0.00%,F,T)  
 100% A1.31E8





File: 29AP09C9D5 #1-381 Acq: 29-APR-2009 20:04:57 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0429A :CS3 09DDXN016 Exp: 209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10376,0,0,00%,F,T)  
 100% A1.68E8

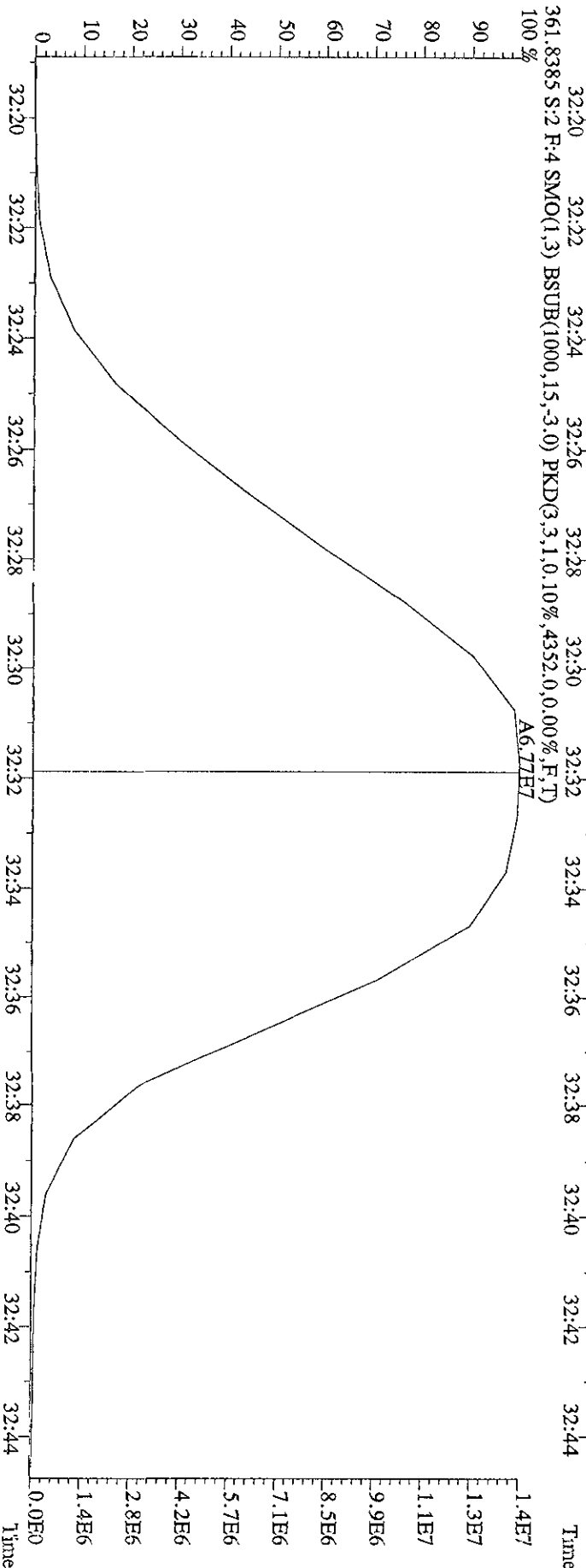
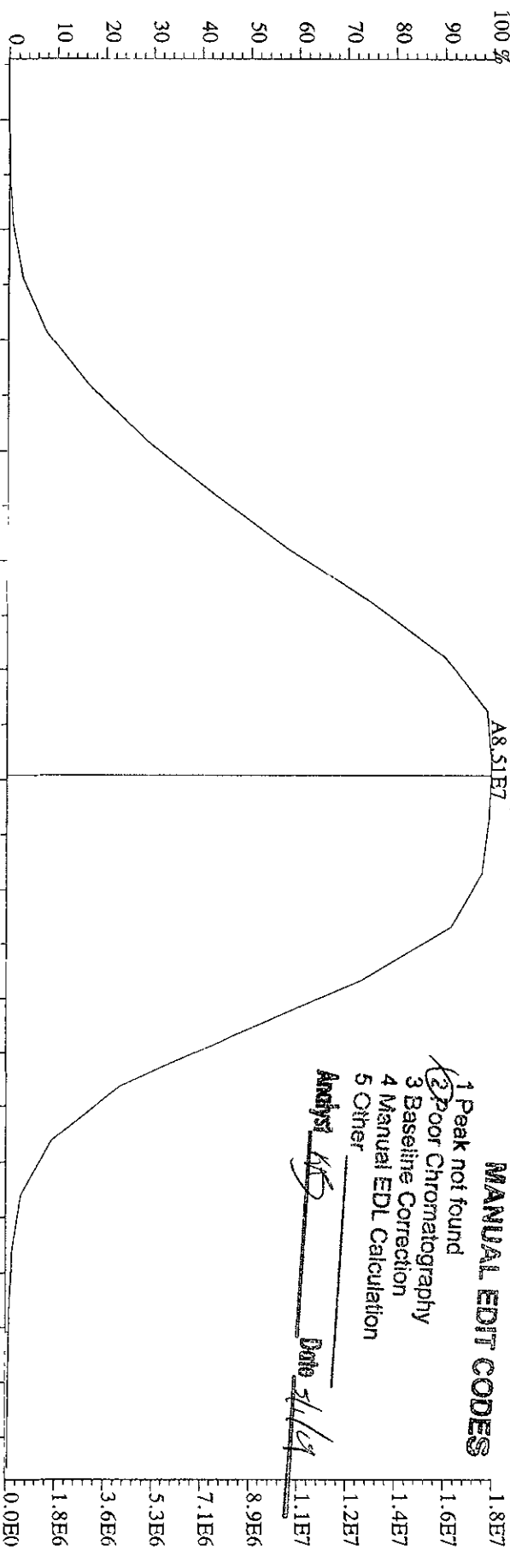


File: 29AP09C9D5 #1-381 Acq: 29-APR-2009 20:04:57 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0429A :CS3 09DXN016 Exp: 209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,10376.0,0.00%,F,T)

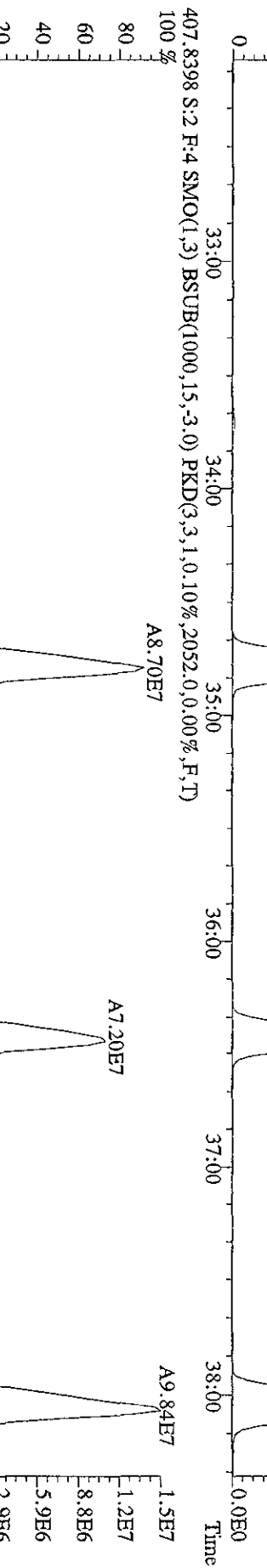
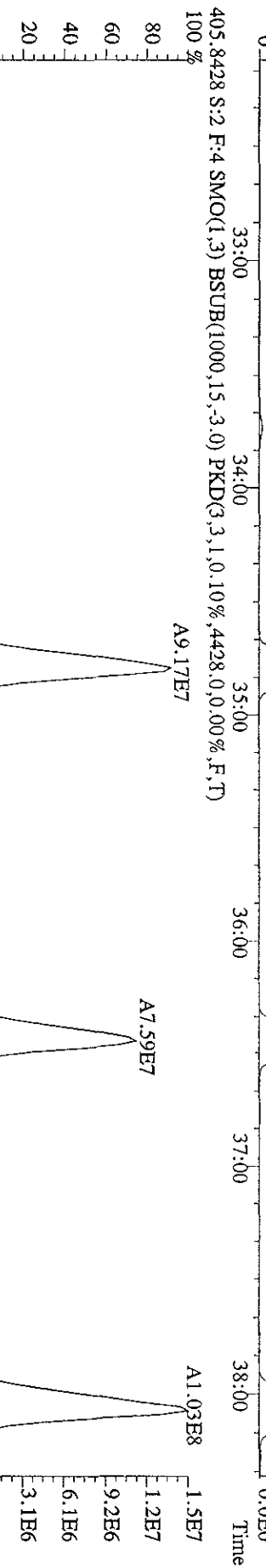
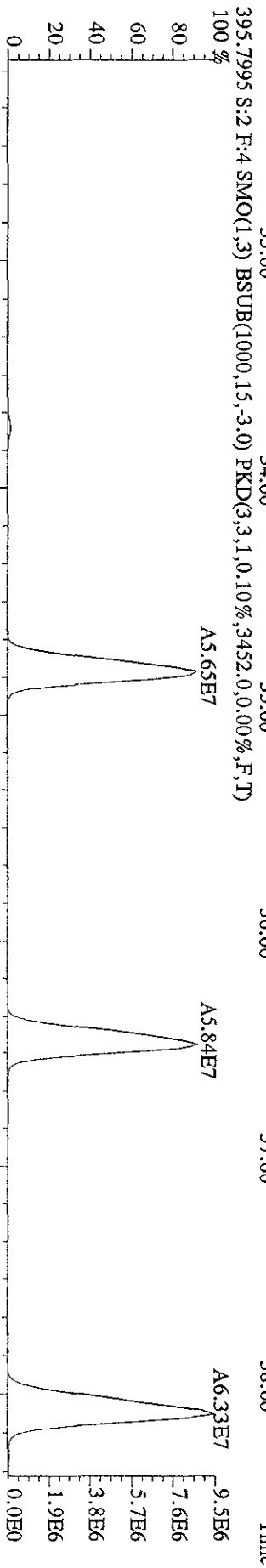
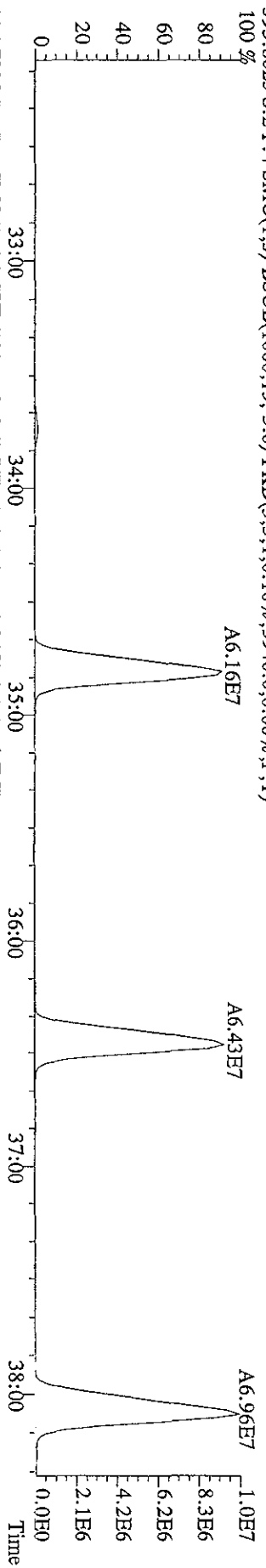
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

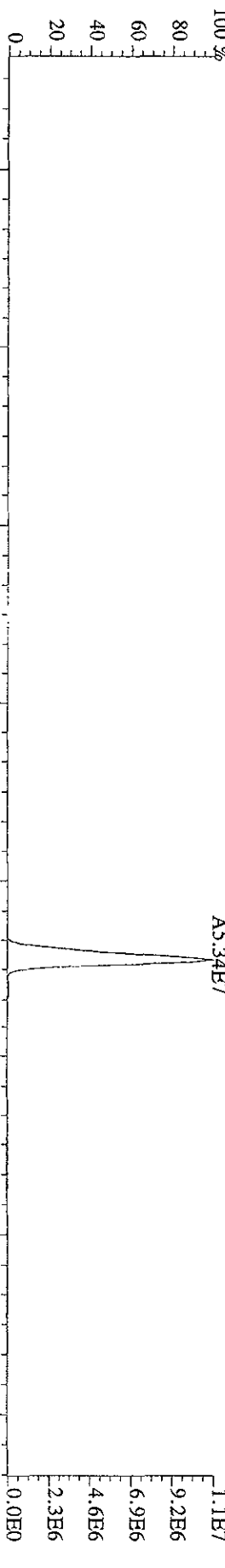
Analyst RS Date 5/1/09



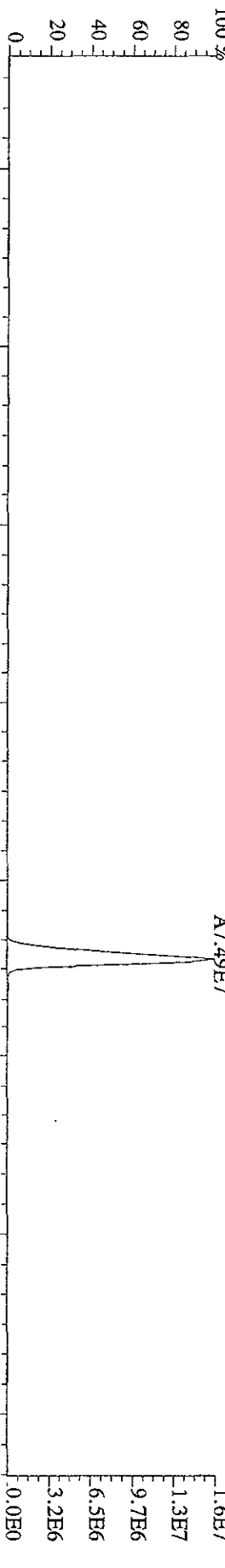
File: 29AP09C9D5 #1-381 Acq: 29-APR-2009 20:04:57 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0429A :CS3 09DXN016 Exp: 209DB5  
 393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5940.0,0.00%,F,T)



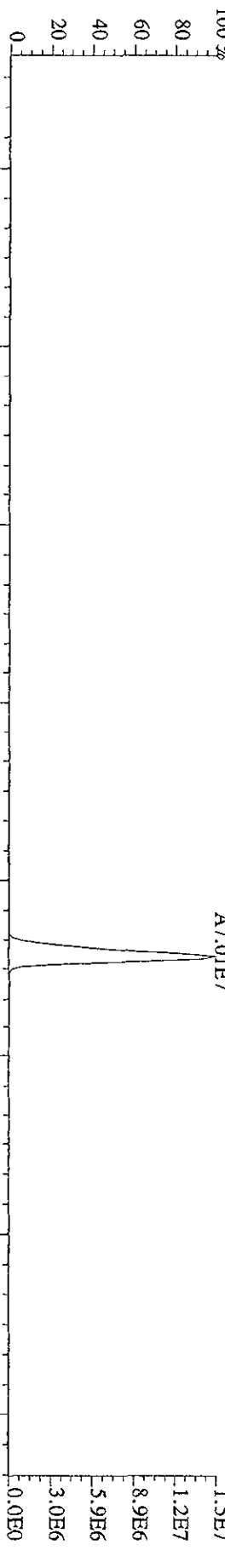
File: 29AP09C9D5 #1-529 Acq: 29-APR-2009 20:04:57 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0429A :G53 09DXN016 Exp: 209DB5  
 495.6826 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1152,0,0,00%,F,T)



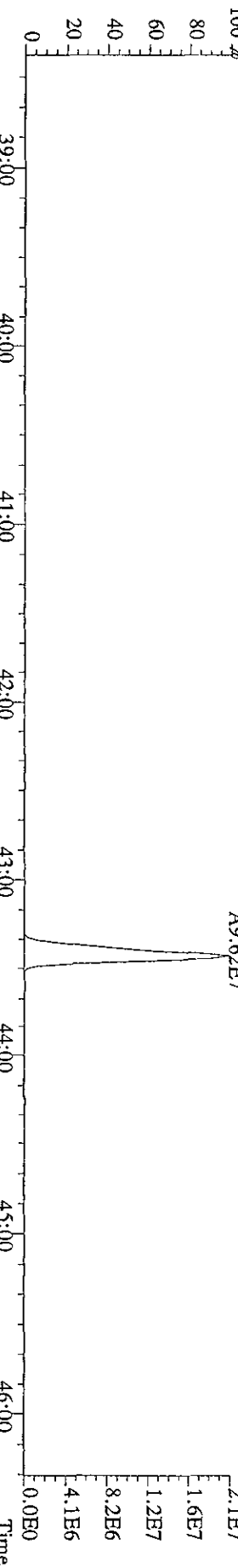
497.6826 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,716,0,0,00%,F,T)



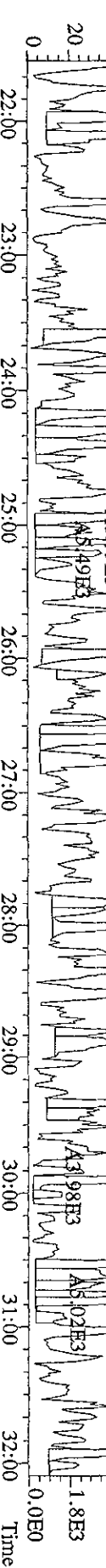
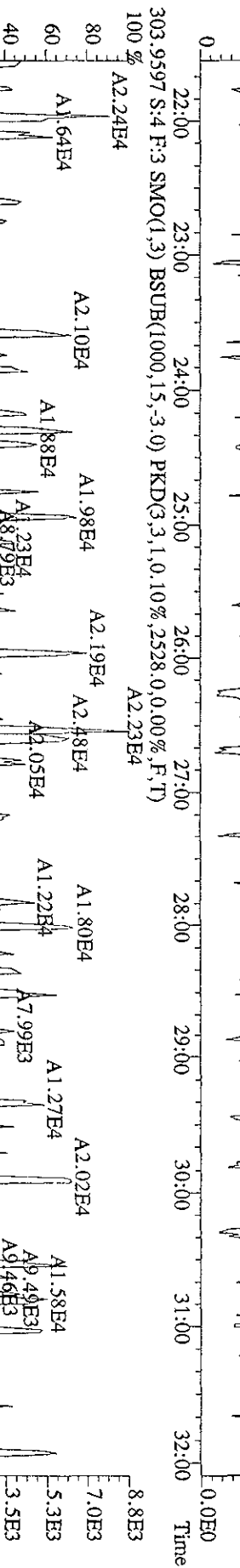
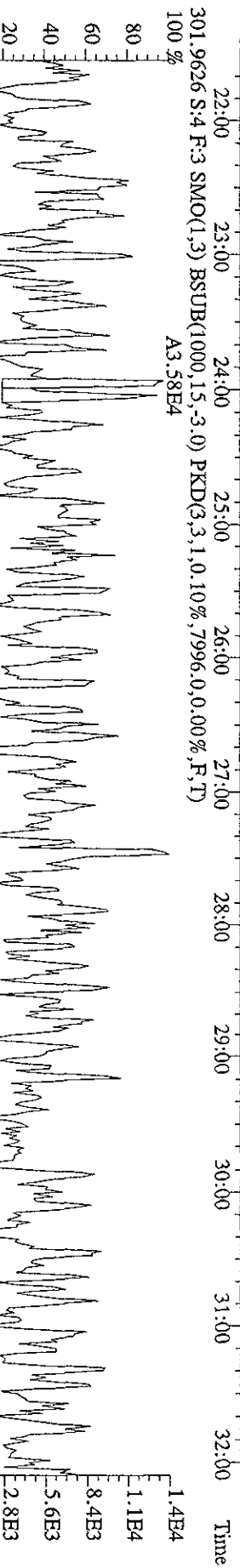
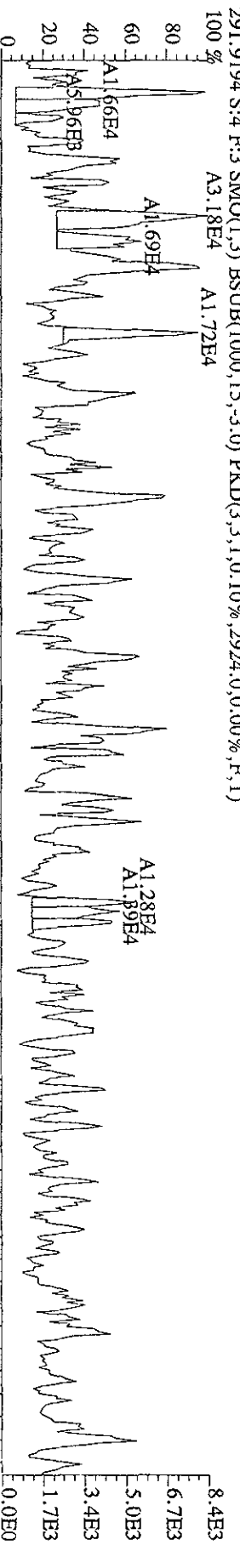
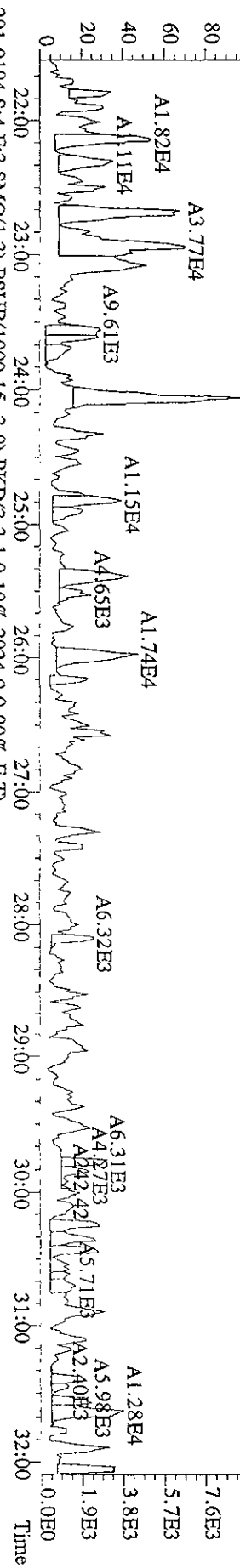
507.7258 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,800,0,0,00%,F,T)



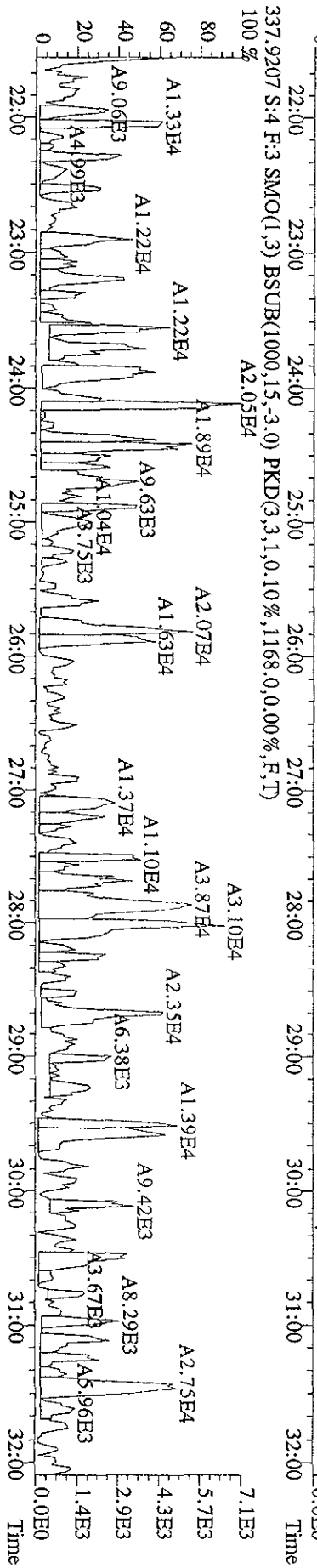
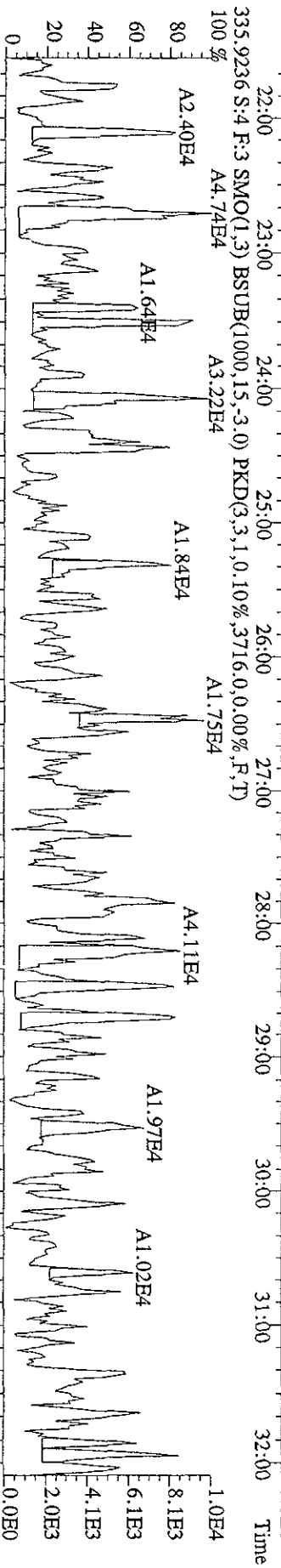
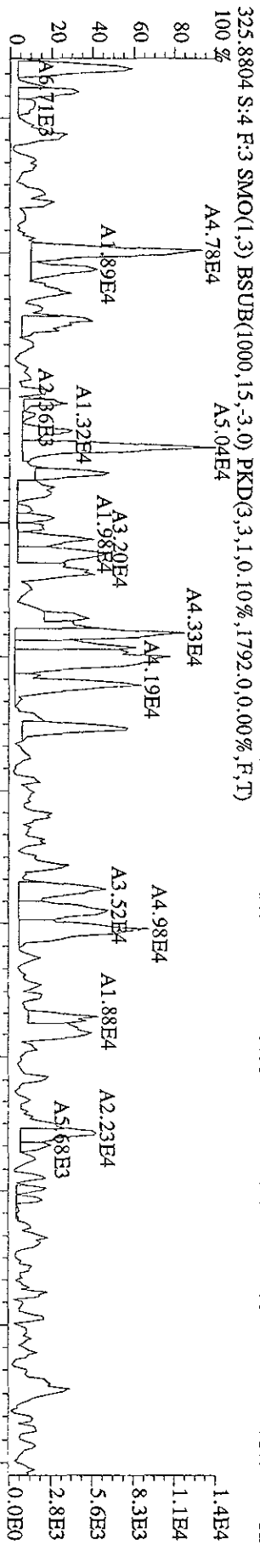
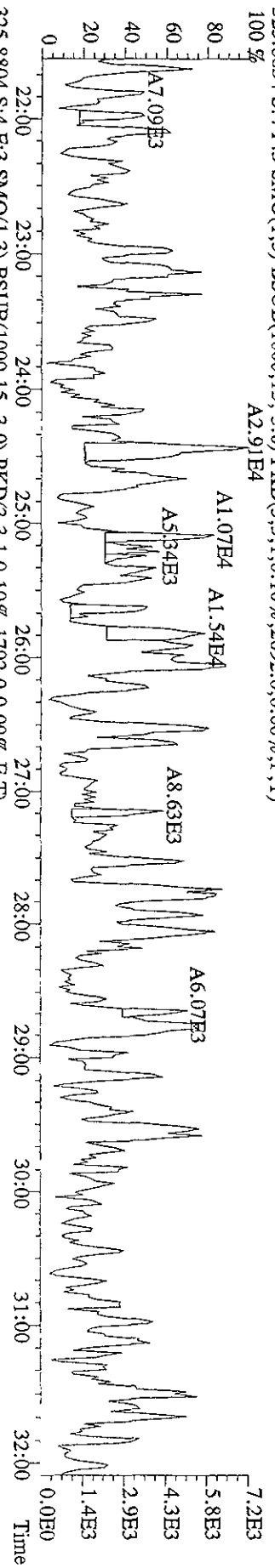
509.7229 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,620,0,0,00%,F,T)



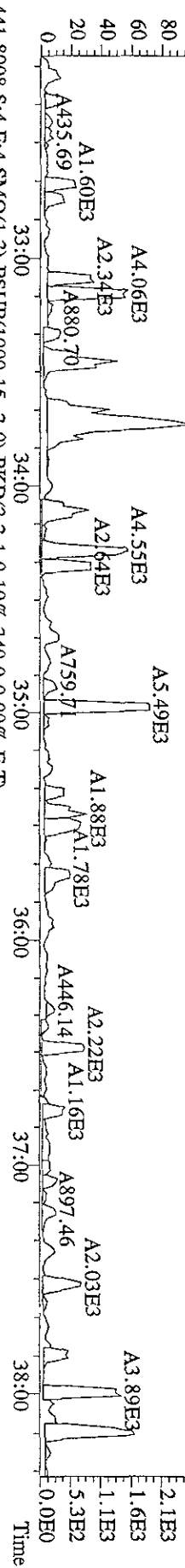
File: 29AP09C9D5 #1-594 Acq: 29-APR-2009 21:47:36 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text: SB0429 : Solvent Blank C-12 Exp: 209DB5  
 289.9224 S:4 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,1352.0,0.00%,F,T)  
 100% A3.00E4



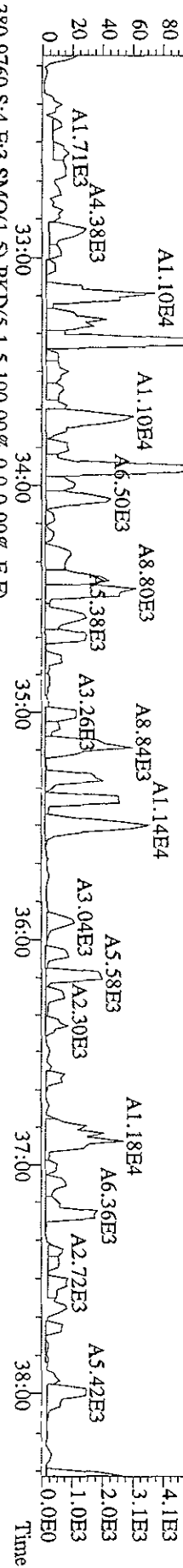
File:29AP09C9D5 #1-594 Acq:29-APR-2009 21:47:36 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#4 Text:SB0429 :Solvent Blank C-12 Exp:209DB5  
323.8834 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2692.0,0.00%,F,T)



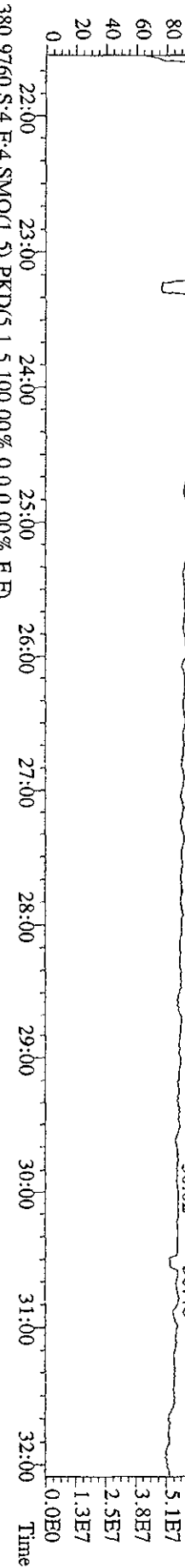
File:29AP09C9D5 #1-381 Acq:29-APR-2009 21:47:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:SB0429 :Solvent Blank C-12 Exp:209DB5  
 439.8038 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,144,0,0,00%,F,T)  
 A1.27E4



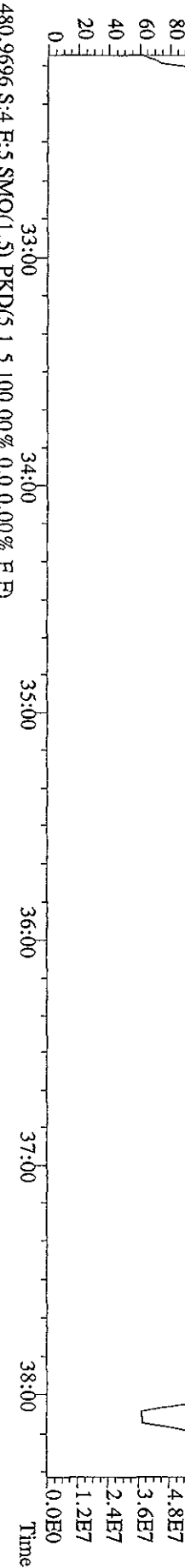
441.8008 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,340,0,0,00%,F,T)



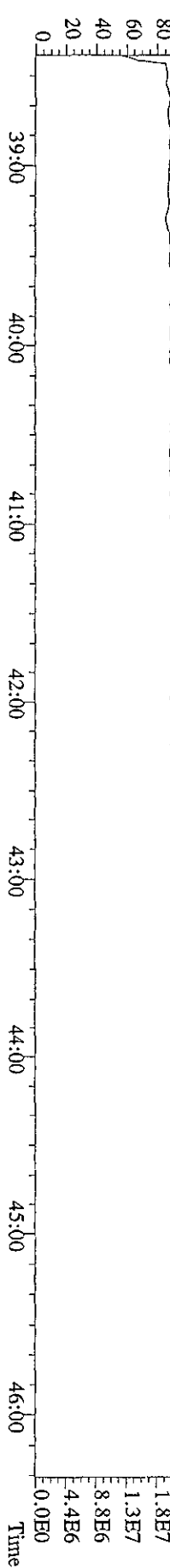
380.9760 S:4 F:3 SMO(1.5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



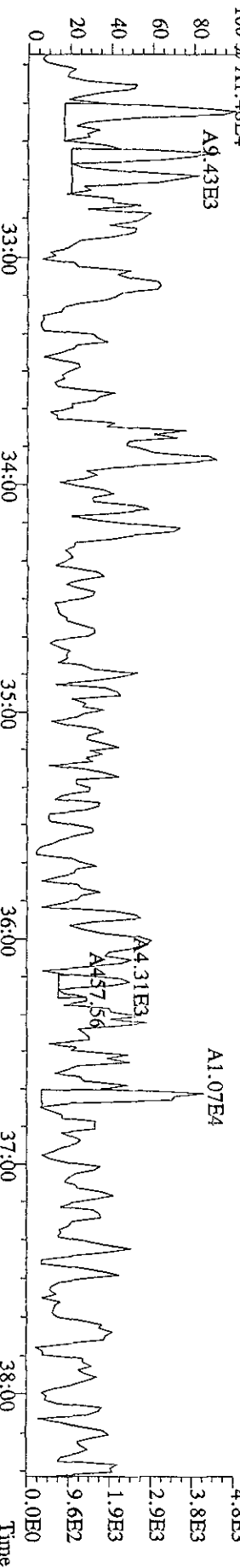
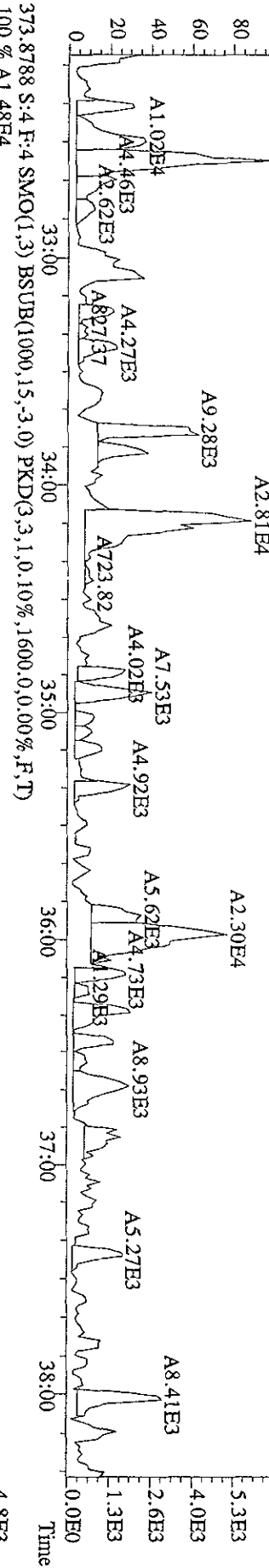
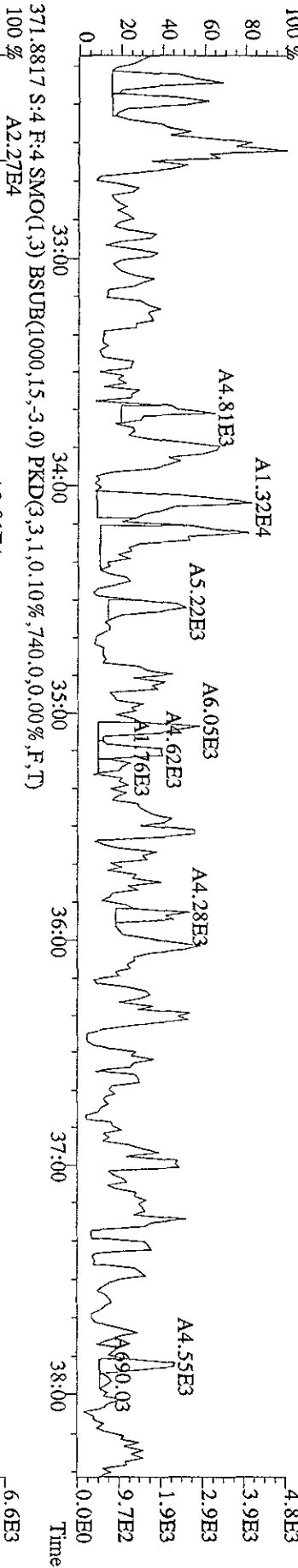
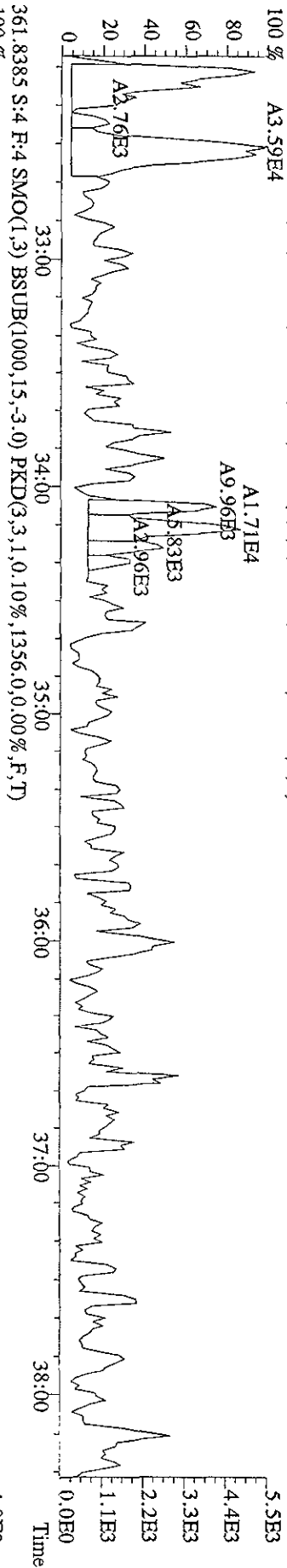
380.9760 S:4 F:4 SMO(1.5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



480.9696 S:4 F:5 SMO(1.5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)

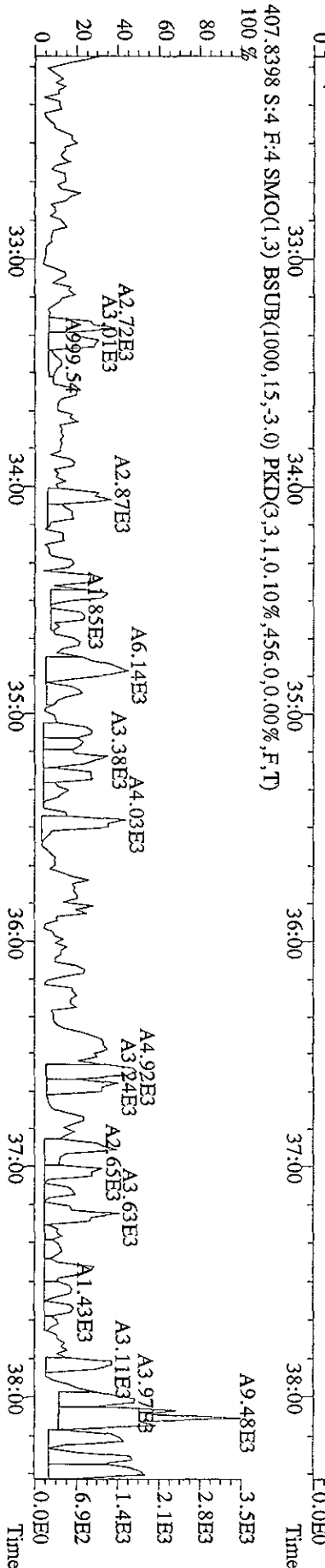
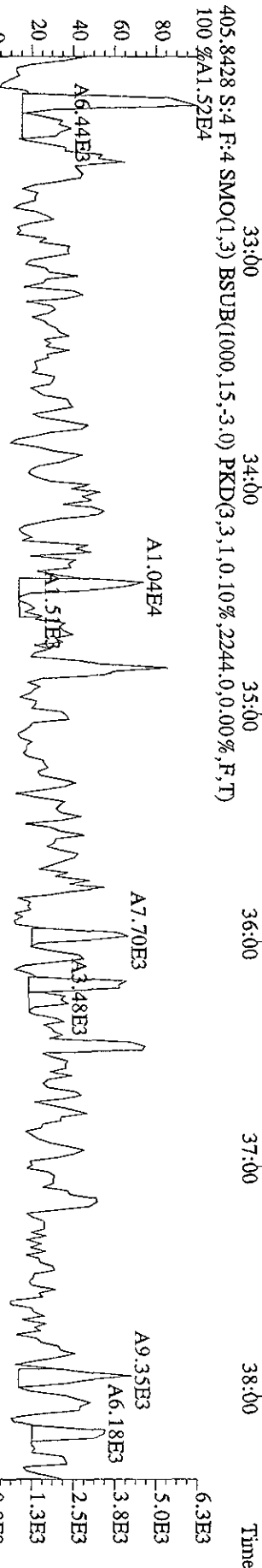
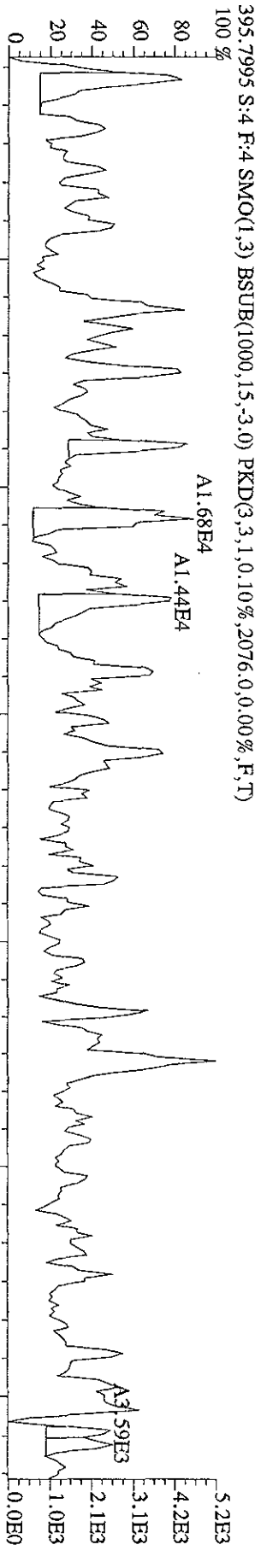
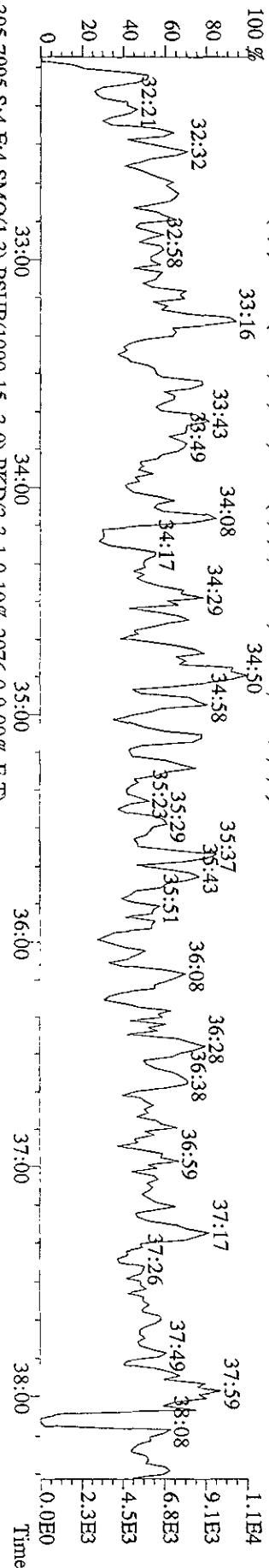


File:29AP09C9D5 #1-381 Acq:29-APR-2009 21:47:36 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:SB0429 :Solvent Blank C-12 Exp:209DB5  
 359.8415 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3.3,1.0,10%,1732.0,0.00%,F,T)  
 100% A3.59E4

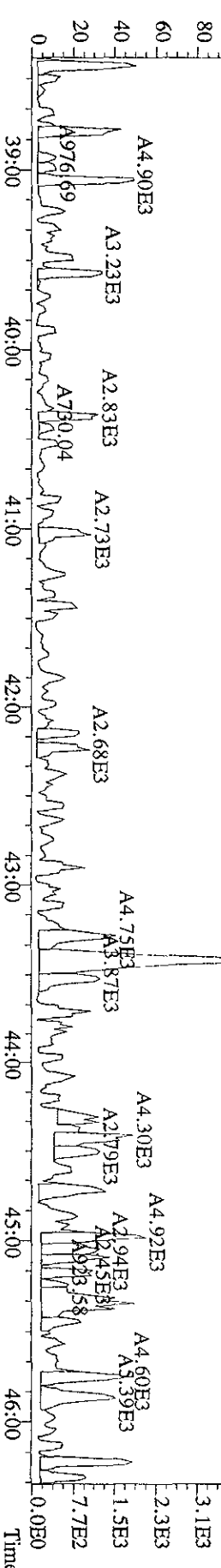
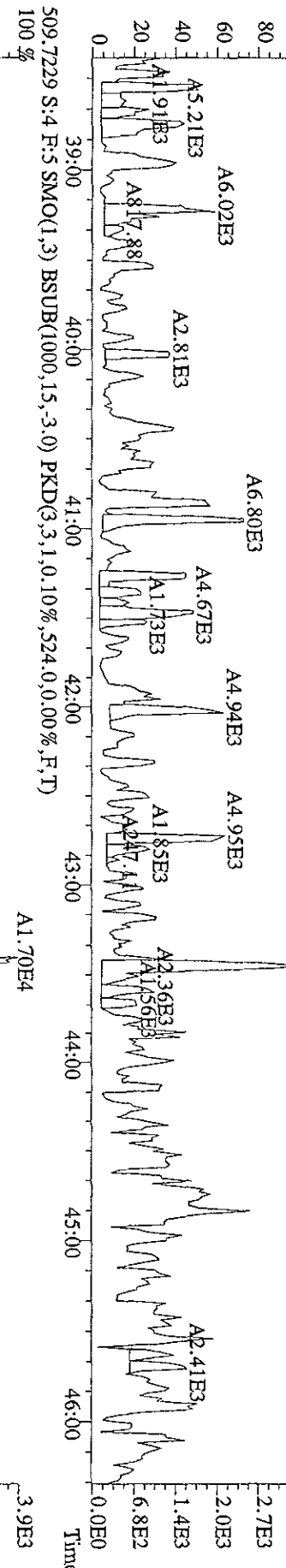
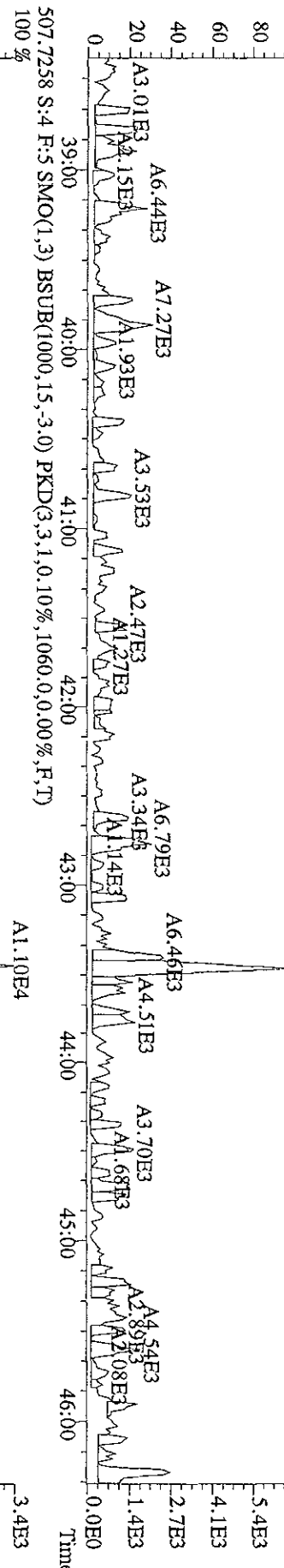
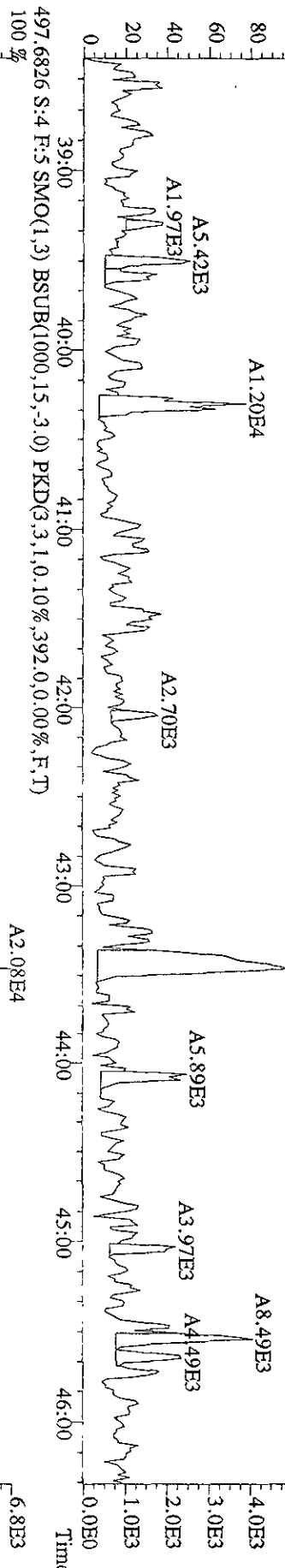




File: 29AP09C9D5 #1-381 Acq: 29-APR-2009 21:47:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: SB0429 : Solvent Blank C-12 Exp: 209DB5  
 393.8025 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8176.0,0.00%,F,T)



File: 29AP09C9D5 #1-529 Acq: 29-APR-2009 21:47:36 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text: SB0429 :Solvent Blank C-12 Exp: 209DB5  
 495.6856 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1036.0,0.00%,F,T)





Test America – West Sacramento

Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668B (5/20/09 + Dec)

Associated ICAL 1668B (5/20/09 + Dec) 15099123

Column ID DB5

Instrument ID 9105

STD ID ST0429E

STD Solution ST0429E

Analyzed by KAS/AM

Date Analyzed 4/30/09

Std. Pkg. By KAS

Date Std. Pkg. Assembled 5/1/09

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 5/1/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.  
 Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).  
 \*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
 Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0429E File text: ST0429E :CS3 09DXN016  
 Run #26 Filename 29AP09C9D5 S: 34 I: 1  
 Acquired: 30-APR-09 23:31:09 Processed: 1-MAY-09 08:39:42  
 Run: 29AP09C9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 29AP09C9D51668MSLDE

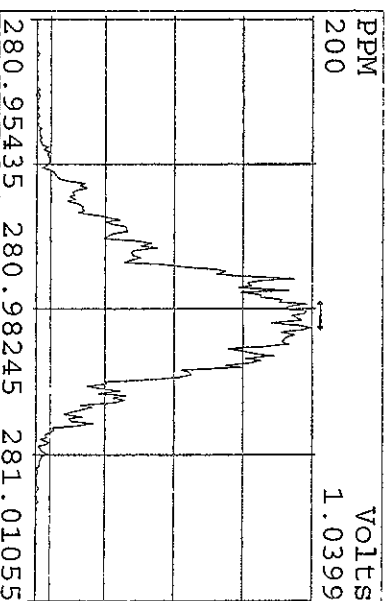
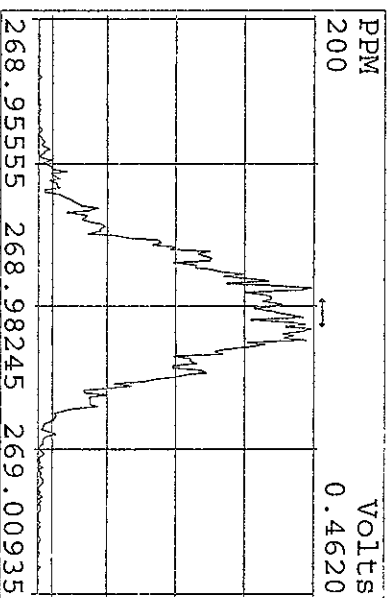
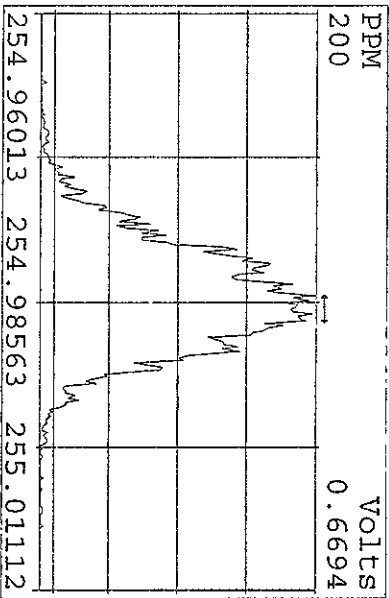
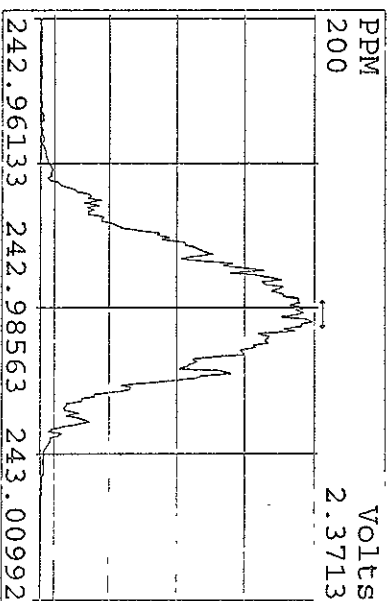
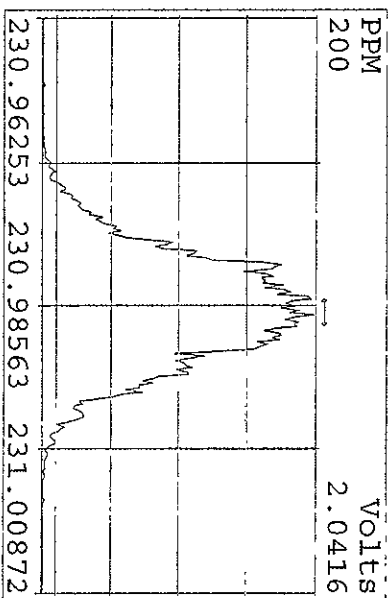
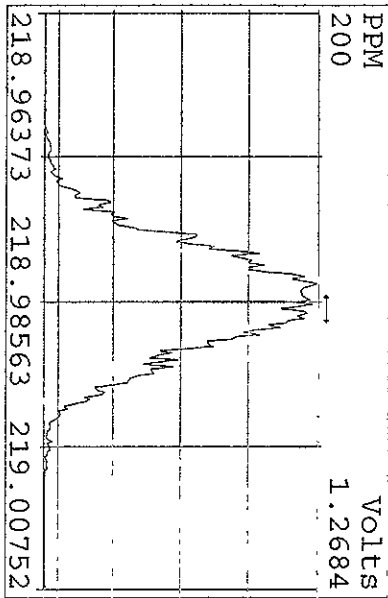
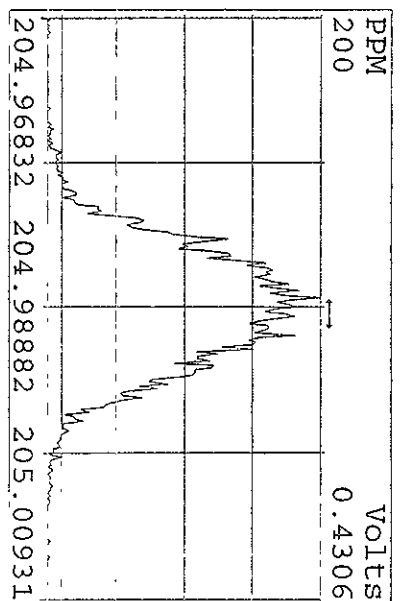
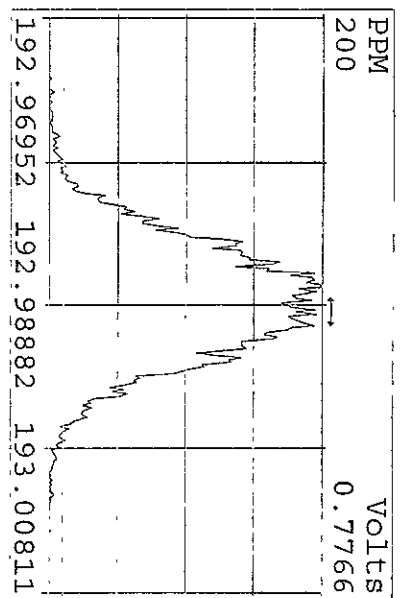
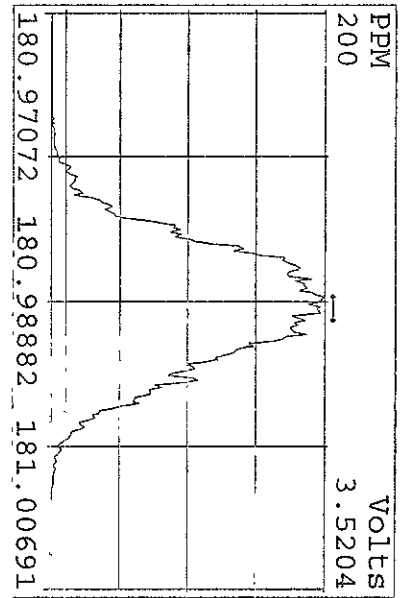
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	223392048	0.64 y	24:26	-	100.00	-	n
13C-TCB-81	196476464	0.74 y	25:59	0.88	100.00	-7.2	n
TCB-81	128098588	0.73 y	25:60	1.30	50.00	2.0	n
13C-TCB-77	198238280	0.71 y	26:32	0.89	100.00	-9.7	n
TCB-77	119802064	0.72 y	26:33	1.21	50.00	9.5	n
13C-PeCB-123	209941200	0.63 y	27:54	0.94	100.00	7.8	n
PeCB-123	154863912	0.57 y	27:55	1.48	50.00	-2.2	n
13C-PeCB-118	215725440	0.63 y	28:02	0.97	100.00	-1.9	n
PeCB-118/106	158551232	0.56 y	28:03	1.47	50.00	-3.8	n
13C-PeCB-114	221066728	0.63 y	28:41	0.99	100.00	2.4	n
PeCB-114	165141264	0.54 y	28:42	1.49	50.00	-5.8	n
13C-PeCB-105	209170664	0.62 y	29:33	0.94	100.00	4.4	n
PeCB-105/127	143592696	0.56 y	29:34	1.37	50.00	-3.5	n
13C-PeCB-126	218473776	0.63 y	31:27	0.98	100.00	7.3	n
PeCB-126	127550832	0.57 y	31:28	1.17	50.00	-0.5	n
13C-OcCB-202	221944640	0.81 y	33:44	-	100.00	-	n
13C-HxCB-167	216985232	1.28 y	32:34	0.98	100.00	16.2	n
HxCB-167	111197700	1.28 y	32:33	1.02	50.00	-12.3	y
13C-HxCB-156	181919192	1.32 y	33:52	0.82	100.00	22.3	n
HxCB-156	137890500	1.31 y	33:53	1.52	50.00	4.4	n
13C-HxCB-157	186070352	1.30 y	34:10	0.84	100.00	18.6	n
HxCB-157	141205200	1.27 y	34:11	1.52	50.00	4.9	n
13C-HxCB-169	194771100	1.29 y	36:01	0.89	100.00	19.6	n
HxCB-169	102556700	1.27 y	36:02	1.05	50.00	6.5	n
13C-HpCB-180	144791352	1.06 y	34:49	0.65	100.00	11.6	n
HpCB-180	98460996	1.10 y	34:50	1.36	50.00	7.5	n
13C-HpCB-170	115217908	1.07 y	36:27	0.52	100.00	9.4	n
HpCB-170/190	98396592	1.10 y	36:28	1.71	50.00	6.3	n
13C-HpCB-189	151486136	1.04 y	38:05	0.68	100.00	14.0	n
HpCB-189	100800696	1.10 y	38:06	1.33	50.00	10.3	n
13C-DeCB-209	113313556	0.72 y	43:26	0.51	100.00	10.9	n
DECB-209	85832340	0.68 y	43:27	1.51	50.00	0.7	n
13C-PeCB-111	286308384	0.64 y	25:51	1.34	100.00	-1.4	n

Run text: ST0429E File text: ST0429E :CS3 09DXN016  
 Run #32 Filename 29AP09C9D5 S: 34 I: 1  
 Acquired: 30-APR-09 23:31:09 Processed: 1-MAY-09 10:23:49  
 Run: 29AP09C9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 29AP09C9D51668MSLDE

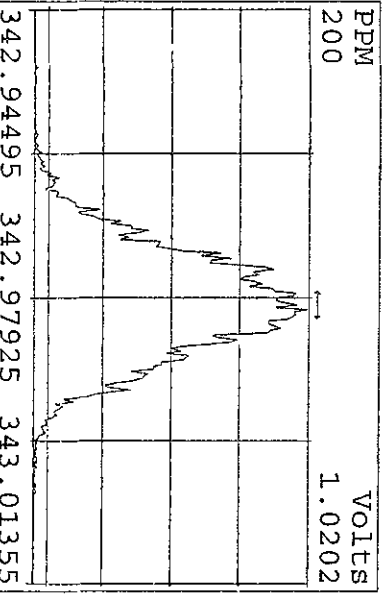
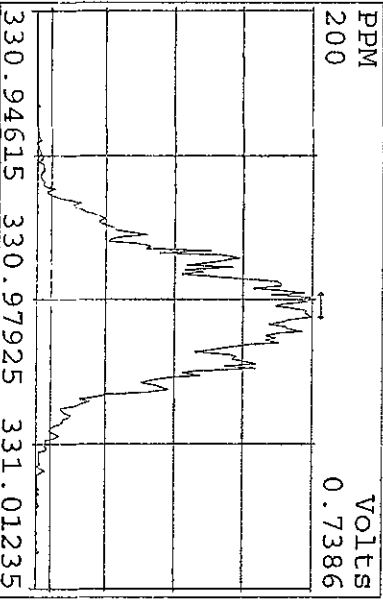
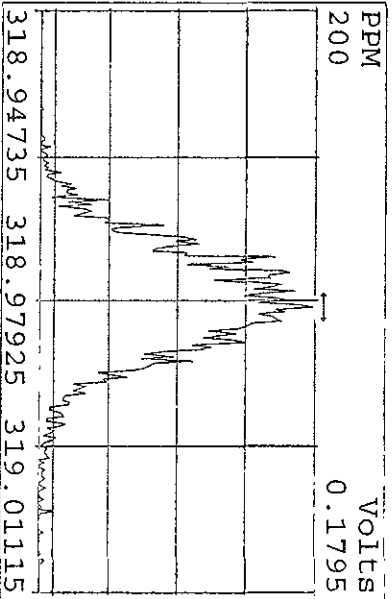
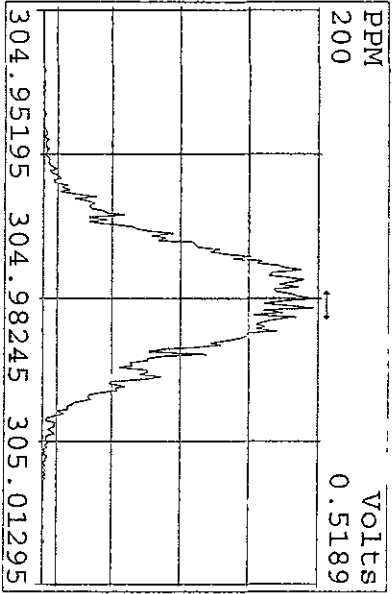
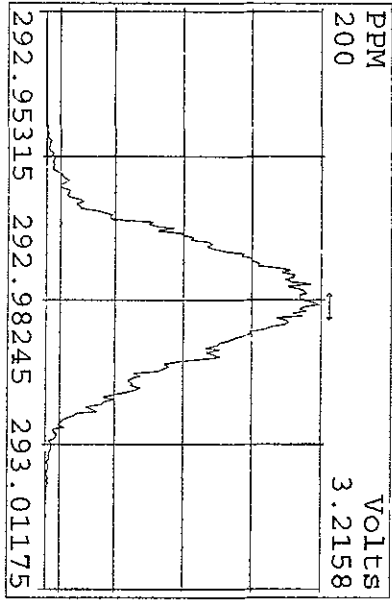
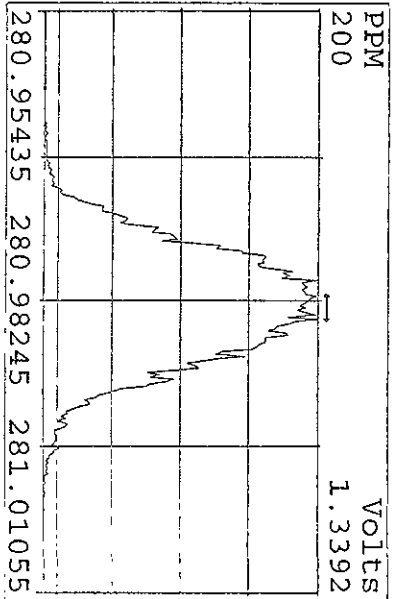
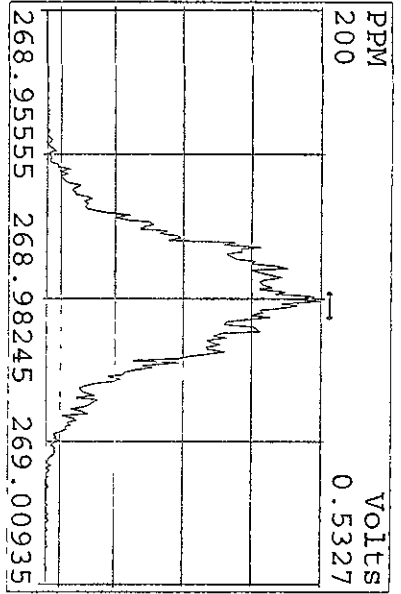
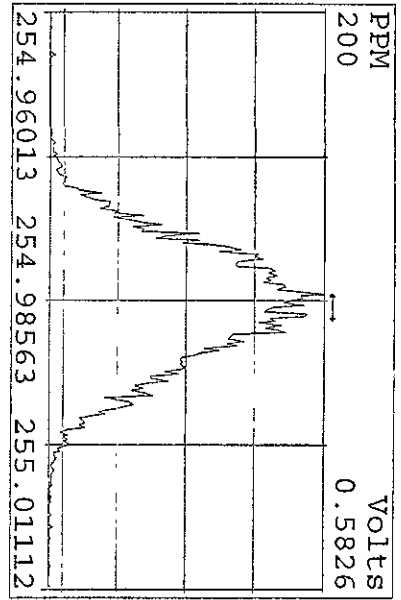
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	223392048	0.64 y	24:26	-	100.00	-	n
13C-TCB-81	196476464	0.74 y	25:59	0.88	100.00	-7.2	n
TCB-81	128098588	0.73 y	25:60	1.30	50.00	2.0	n
13C-TCB-77	198238280	0.71 y	26:32	0.89	100.00	-9.7	n
TCB-77	119802064	0.72 y	26:33	1.21	50.00	9.5	n
13C-PeCB-123	209941200	0.63 y	27:54	0.94	100.00	7.8	n
PeCB-123	154863912	0.57 y	27:55	1.48	50.00	-2.2	n
13C-PeCB-118	215725440	0.63 y	28:02	0.97	100.00	-1.9	n
PeCB-118/106	158551232	0.56 y	28:03	1.47	50.00	-3.8	n
13C-PeCB-114	221066728	0.63 y	28:41	0.99	100.00	2.4	n
PeCB-114	165141264	0.54 y	28:42	1.49	50.00	-5.8	n
13C-PeCB-105	209170664	0.62 y	29:33	0.94	100.00	4.4	n
PeCB-105/127	143592696	0.56 y	29:34	1.37	50.00	-3.5	n
13C-PeCB-126	218473776	0.63 y	31:27	0.98	100.00	7.3	n
PeCB-126	127550832	0.57 y	31:28	1.17	50.00	-0.5	n
13C-OcCB-202	221944640	0.81 y	33:44	-	100.00	-	n
13C-HxCB-167	216985232	1.28 y	32:34	0.98	100.00	16.2	n
HxCB-167	239179784	1.26 y	32:33	2.20	50.00	88.6	n
13C-HxCB-156	181919192	1.32 y	33:52	0.82	100.00	22.3	n
HxCB-156	137890448	1.31 y	33:53	1.52	50.00	4.4	n
13C-HxCB-157	186070352	1.30 y	34:10	0.84	100.00	18.6	n
HxCB-157	141205108	1.27 y	34:11	1.52	50.00	4.9	n
13C-HxCB-169	194771128	1.29 y	36:01	0.88	100.00	19.6	n
HxCB-169	102556664	1.27 y	36:02	1.05	50.00	6.5	n
13C-HpCB-180	144791352	1.06 y	34:49	0.65	100.00	11.6	n
HpCB-180	98460996	1.10 y	34:50	1.36	50.00	7.5	n
13C-HpCB-170	115217908	1.07 y	36:27	0.52	100.00	9.4	n
HpCB-170/190	98396592	1.10 y	36:28	1.71	50.00	6.3	n
13C-HpCB-189	151486136	1.04 y	38:05	0.68	100.00	14.0	n
HpCB-189	100800696	1.10 y	38:06	1.33	50.00	10.3	n
13C-DeCB-209	113313556	0.72 y	43:26	0.51	100.00	10.9	n
DECB-209	85832340	0.68 y	43:27	1.51	50.00	0.7	n
13C-PeCB-111	286308384	0.64 y	25:51	1.34	100.00	-1.4	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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29AP09C9D5	2	ST0429A	CS3 09DXN016				1.00000	
29AP09C9D5	3	ST0429B	209PCB 3249-47				1.00000	
29AP09C9D5	4	SB0429	Solvent Blank C-12				1.00000	
29AP09C9D5	5	LAP3K-1-AA	G9D070246-1MB	20	1668/WATER	35	1.00000	L
29AP09C9D5	6	LAP3K-1-AC	G9D070246-1LCS	20	1668/WATER		1.00000	L
29AP09C9D5	7	K9PMQ-1-AA	G9D070246-1	20	1668/WATER		1.05680	L
29AP09C9D5	8	K9PMT-1-AA	G9D070246-2	20	1668/WATER		1.07880	L
29AP09C9D5	9	K9PMW-1-AA	G9D070246-3	20	1668/WATER		1.07390	L
29AP09C9D5	10	K9PM0-1-AA	G9D070246-4	20	1668/WATER		1.03530	L
29AP09C9D5	11	LAVAT-1-AA	F9D210216-2MB	20	1668/WATER	36	1.00000	L
29AP09C9D5	12	LAVAT-1-AC	F9D210216-2LCS	20	1668/WATER		1.00000	L
29AP09C9D5	13	LAF21-1-C4	F9D210216-2	20	1668/WATER		1.07090	L
29AP09C9D5	14	LAF3A-1-CF	F9D210216-3	20	1668/WATER		1.06710	L
29AP09C9D5	15	LAVLC-1-AA	G9D090272-1MB	20	1668/WATER	35	0.25000	SAM
29AP09C9D5	16	LAVLC-1-AC	G9D090272-1LCS	20	1668/WATER		0.25000	SAM
29AP09C9D5	17	SB0429A	Solvent Blank C-12				1.00000	
29AP09C9D5	18	ST0429C	CS3 09DXN016				1.00000	
29AP09C9D5	19	ST0429D	209PCB 3249-47				1.00000	
29AP09C9D5	20	SB0429D	Solvent Blank C-12				1.00000	
29AP09C9D5	21	K9PMQ-1-AA	G9D070246-1 (5X)	20	1668/WATER		1.05680	L
29AP09C9D5	22	K9LD9-1-AD	G9D030338-8X	20	1668/SOLID		10.43000	g
29AP09C9D5	23	K9LD9-1-AC	G9D030338-8	20	1668/SOLID		10.42600	g
29AP09C9D5	24	K9LD7-1-AC	G9D030338-6	20	1668/SOLID		10.18000	g
29AP09C9D5	25	K9LD7-1-AD	G9D030338-6S	20	1668/SOLID		10.09000	g
29AP09C9D5	26	K9LD7-1-AE	G9D030338-6D	20	1668/SOLID		10.30000	g
29AP09C9D5	27	K9LD8-1-AC	G9D030338-7	20	1668/SOLID		10.09000	g
29AP09C9D5	28	K9LD6-1-AC	G9D030338-5	20	1668/SOLID		10.28000	g
29AP09C9D5	29	K9LD5-1-AC	G9D030338-4	20	1668/SOLID		10.16000	g
29AP09C9D5	30	K9LD4-1-AC	G9D030338-3	20	1668/SOLID		10.08000	g
29AP09C9D5	31	K9LD3-1-AC	G9D030338-2	20	1668/SOLID		10.23000	g
29AP09C9D5	32	K9LD2-1-AC	G9D030338-1	20	1668/SOLID		10.24000	g
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29AP09C9D5	36	LAVLC-1-AD	G9D090272-1DCS	20	1668/SOLID	35	0.25000	SAM
29AP09C9D5	37	K9V8E-2-AC	G9D090272-1RX	20	1668/SOLID		0.25000	SAM
29AP09C9D5	38	K9VEL-2-AC	G9D090272-2RX	20	1668/WATER		0.25000	SAM
29AP09C9D5	39	K9V8P-2-AC	G9D090272-3RX	20	1668/WATER		0.25000	SAM
29AP09C9D5	40	K9LEW-1-AA	G9D030340-6	20	1668/WATER	36	1.03500	L
29AP09C9D5	41	K9LEX-1-AA	G9D030340-7	20	1668/WATER		1.01220	L
29AP09C9D5	42	LAVA5-1-AAB	F9D150204-1MB	20	1668/WASTE	37	1.00000	g
29AP09C9D5	43	LAVA5-1-ACC	F9D150204-1LCS	20	1668/WASTE		1.00000	g
29AP09C9D5	44	K9490-1-AE	F9D150204-1	20	1668/WASTE		1.17000	g
29AP09C9D5	45	LAVQJ-1-ACC	G9D220326-1LCS	20	1668/WASTE	36	0.50000	SAM
29AP09C9D5	46	LAVQJ-1-AAB	G9D220326-1MB	20	1668/WASTE		0.50000	SAM
29AP09C9D5	47	LAKA6-1-AC	G9D220326-1	20	1668/WASTE		0.50000	SAM
29AP09C9D5	48						1.00000	
29AP09C9D5	49						1.00000	
29AP09C9D5	50						1.00000	
29AP09C9D5	51						1.00000	
29AP09C9D5	52		AM, KAS 04-29-09				1.00000	

Peak Locate Examination: 29-APR-2009: 19:05 File: 29AP09C9D5  
 Experiment: 209DB5 Function: 1 Reference: PFK

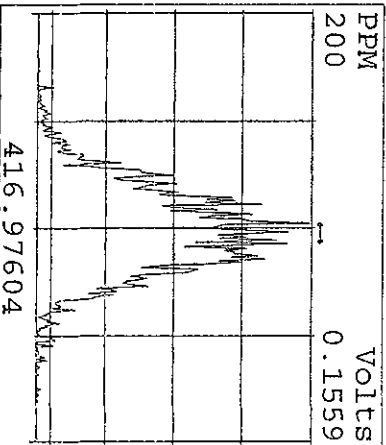
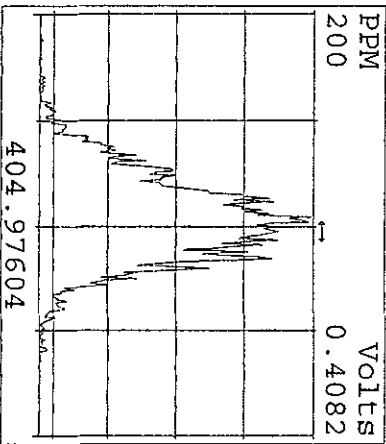
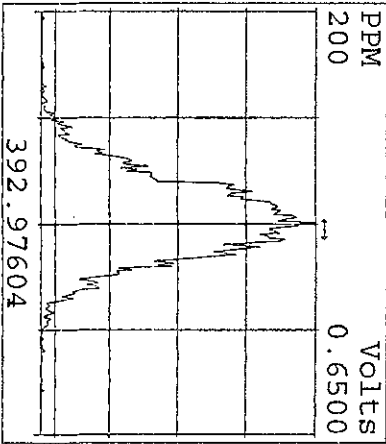
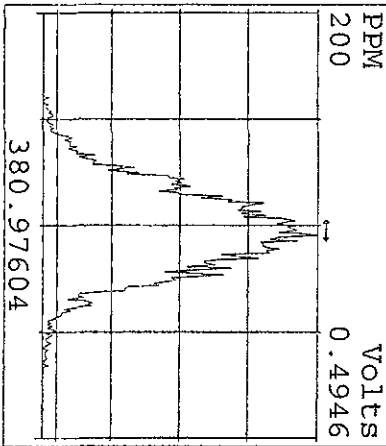
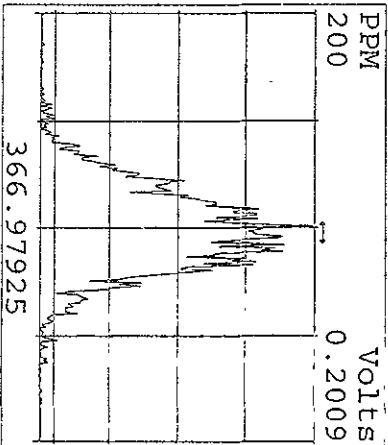
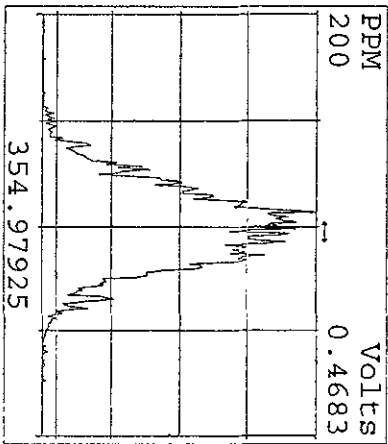
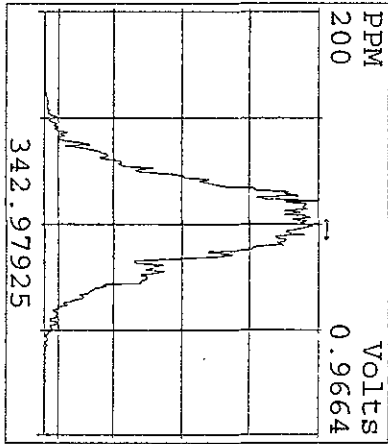
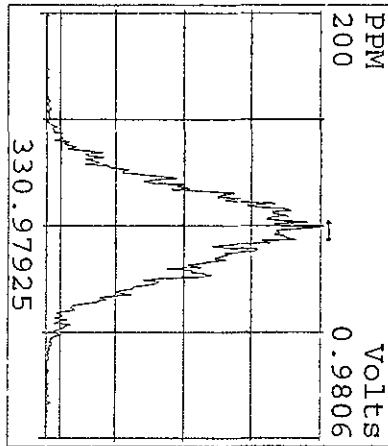
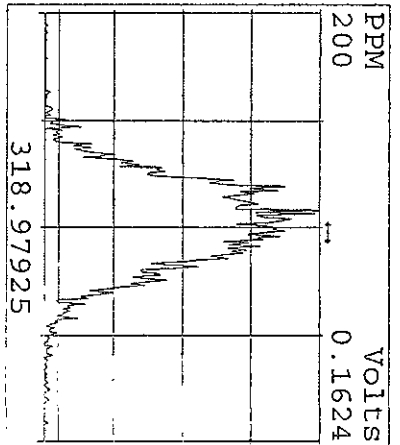
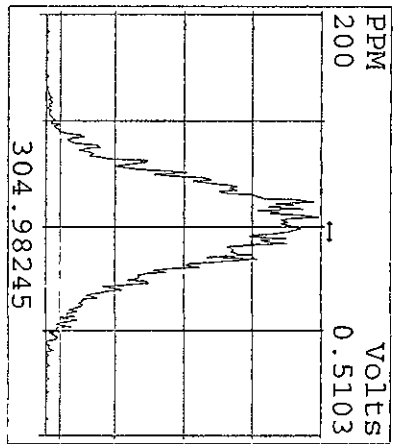
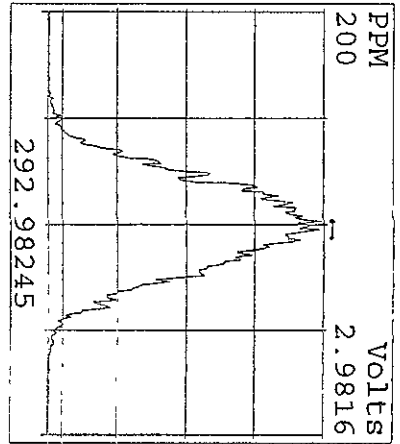
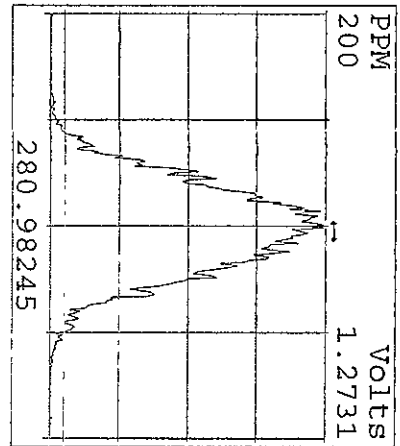


Peak Locate Examination: 29-APR-2009: 19:07 File: 29AP09C9D5  
 Experiment: 209DB5 Function: 2 Reference: PFK

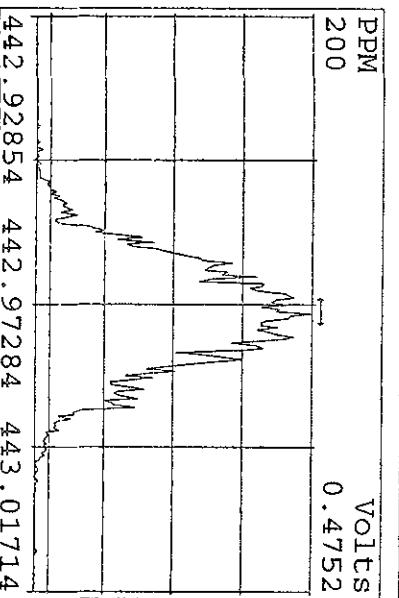
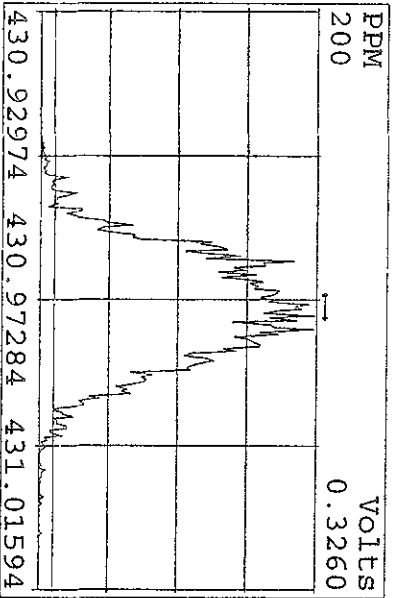
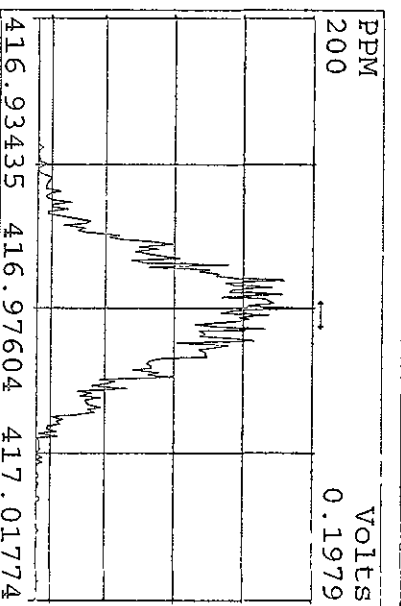
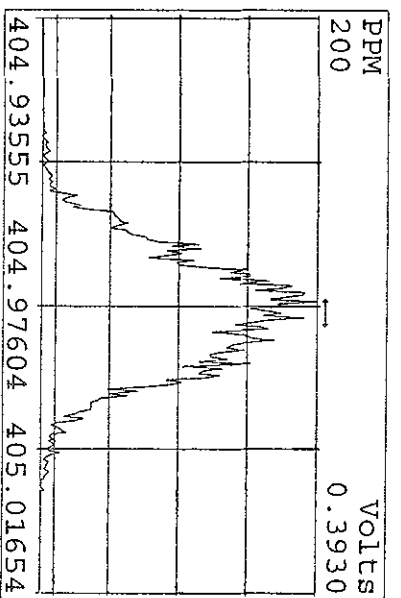
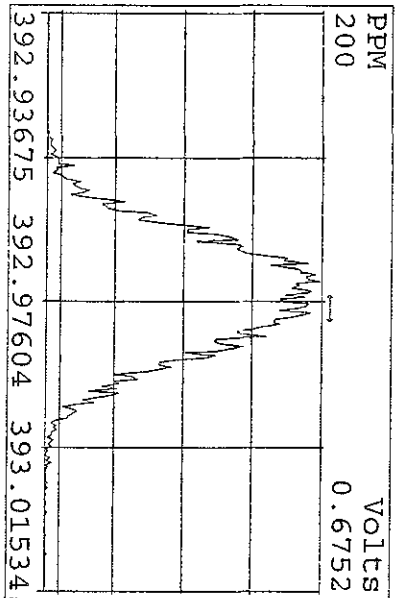
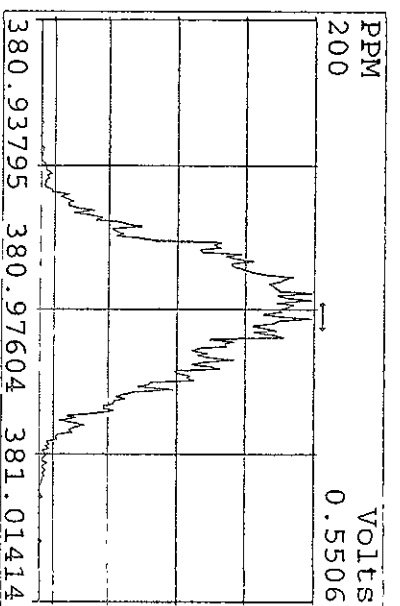
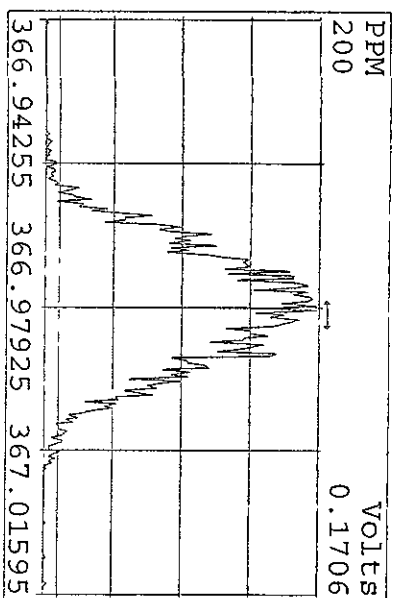
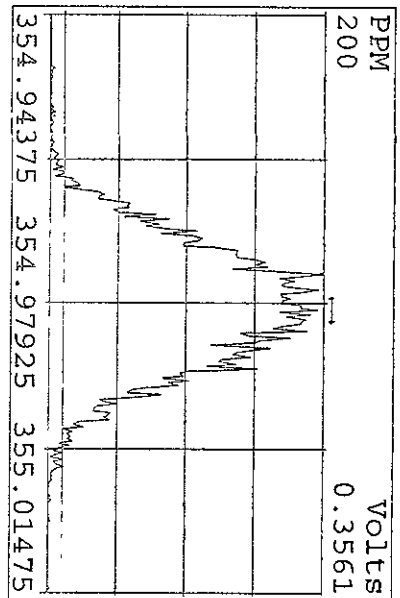




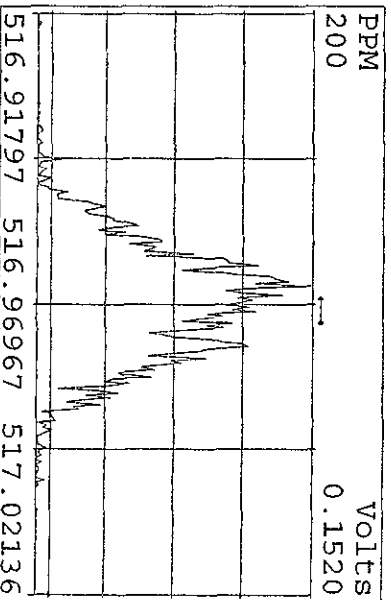
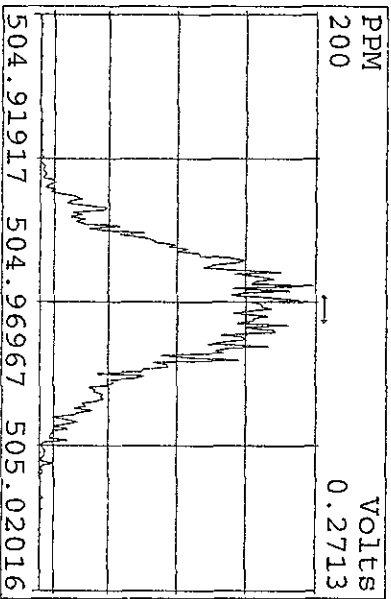
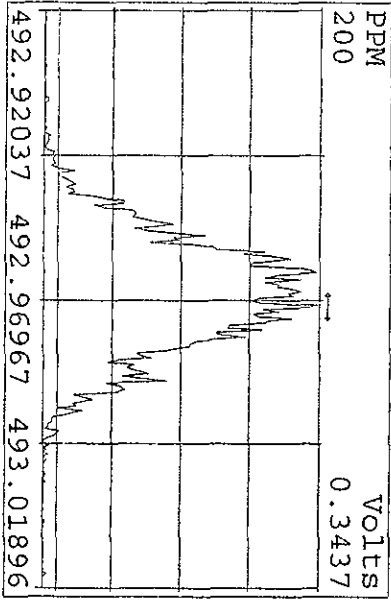
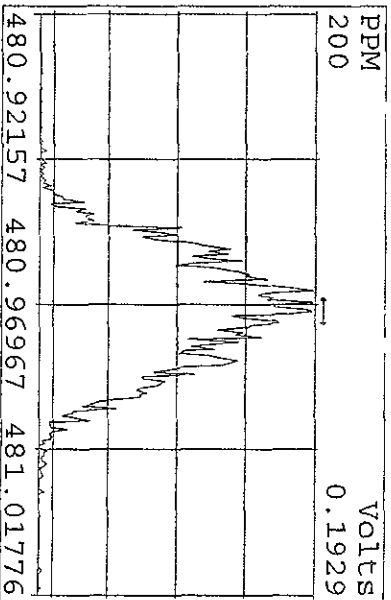
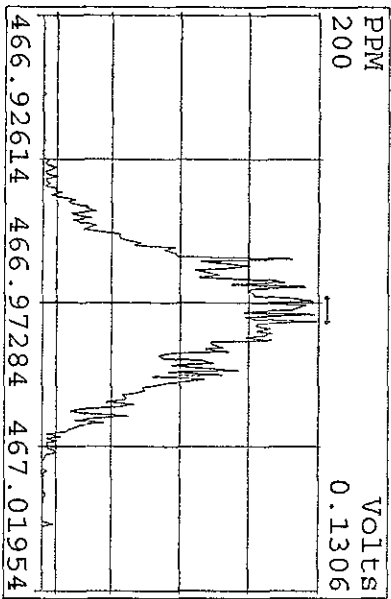
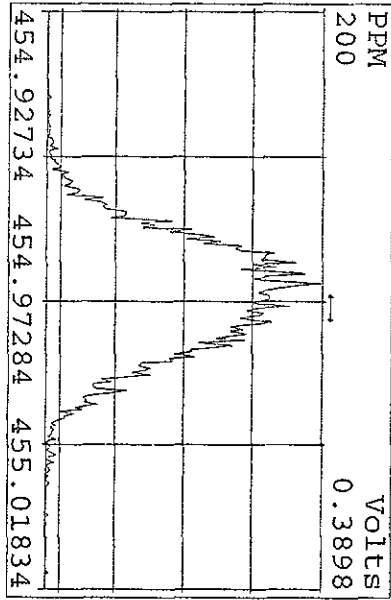
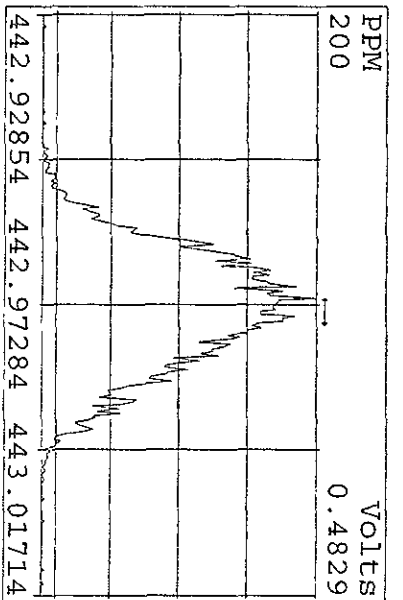
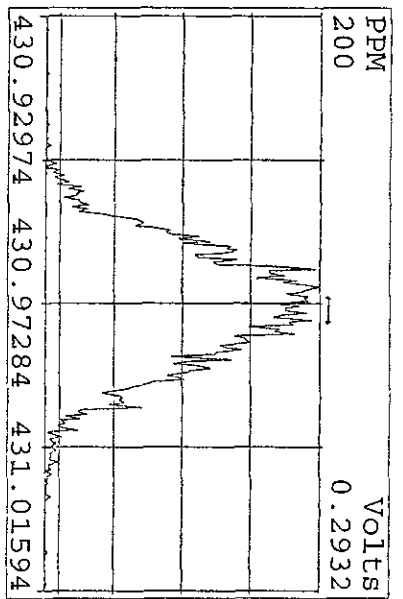
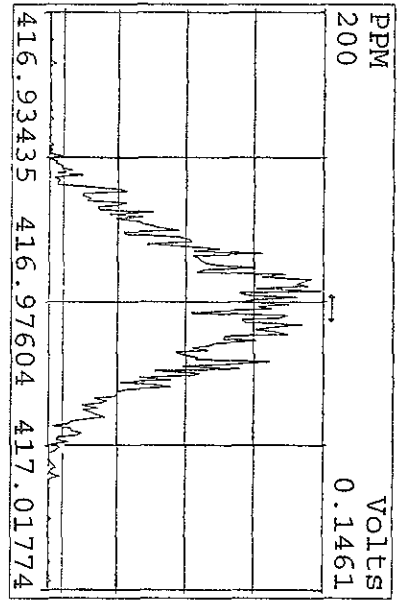
Peak Locate Examination: 29-APR-2009: 19:08 File: 29AP09C9D5  
Experiment: 209DB5 Function: 3 Reference: PKF



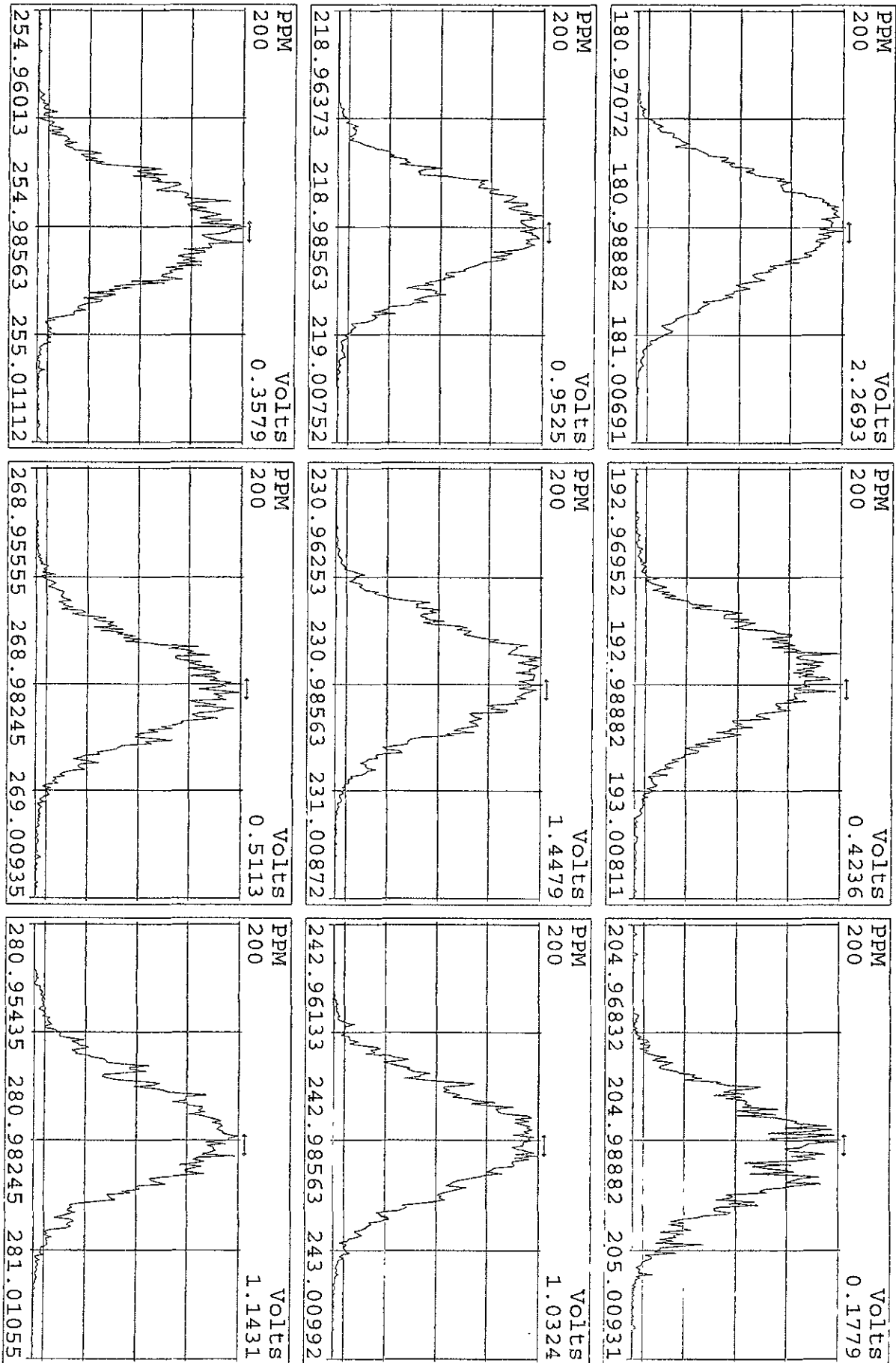
Peak Locate Examination: 29-APR-2009: 19:10 File: 29AP09C9D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



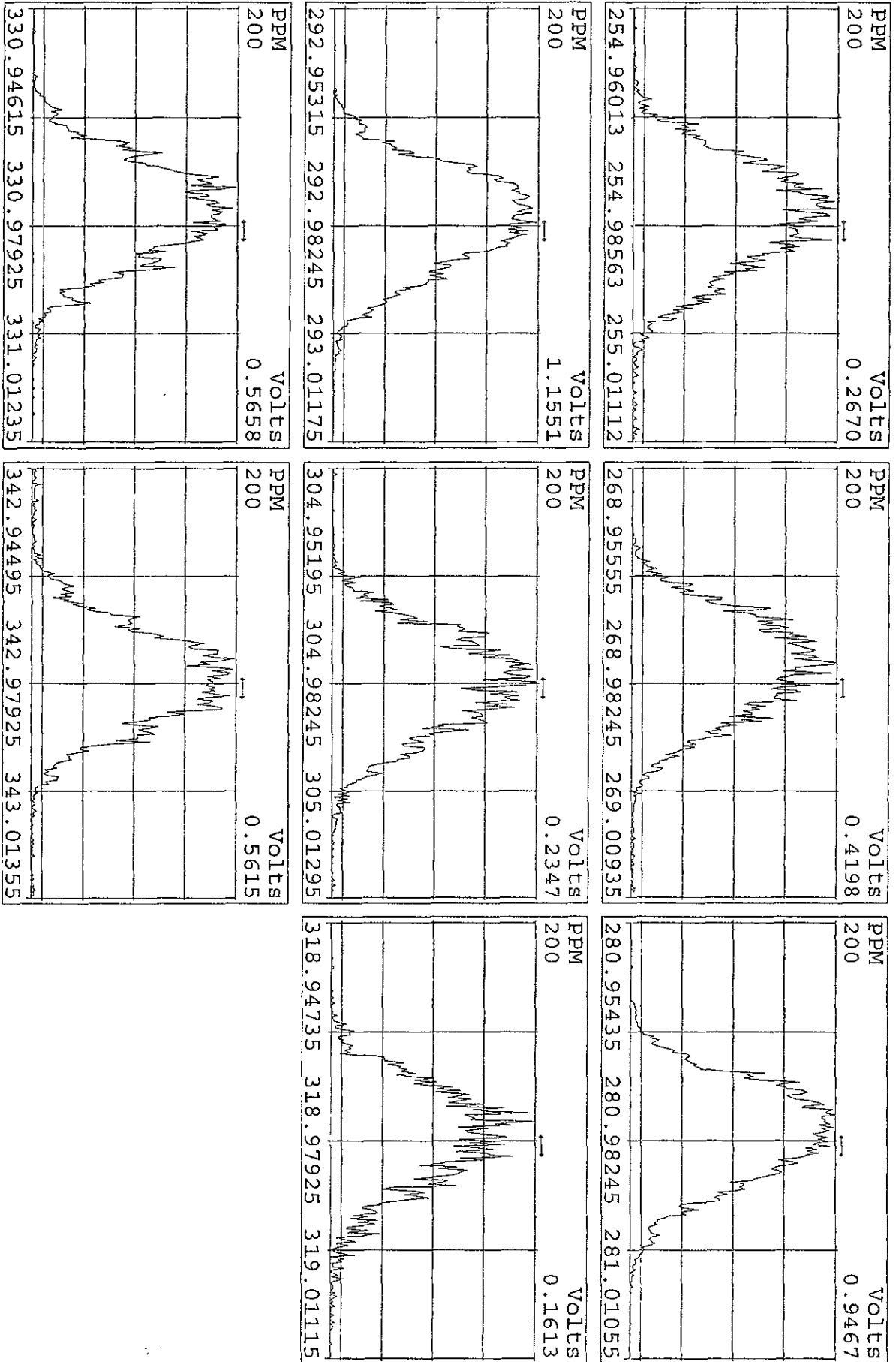
Peak Locate Examination: 29-APR-2009: 19:11 File: 29AP09C9D5  
 Experiment: 209DB5 Function: 5 Reference: PFK



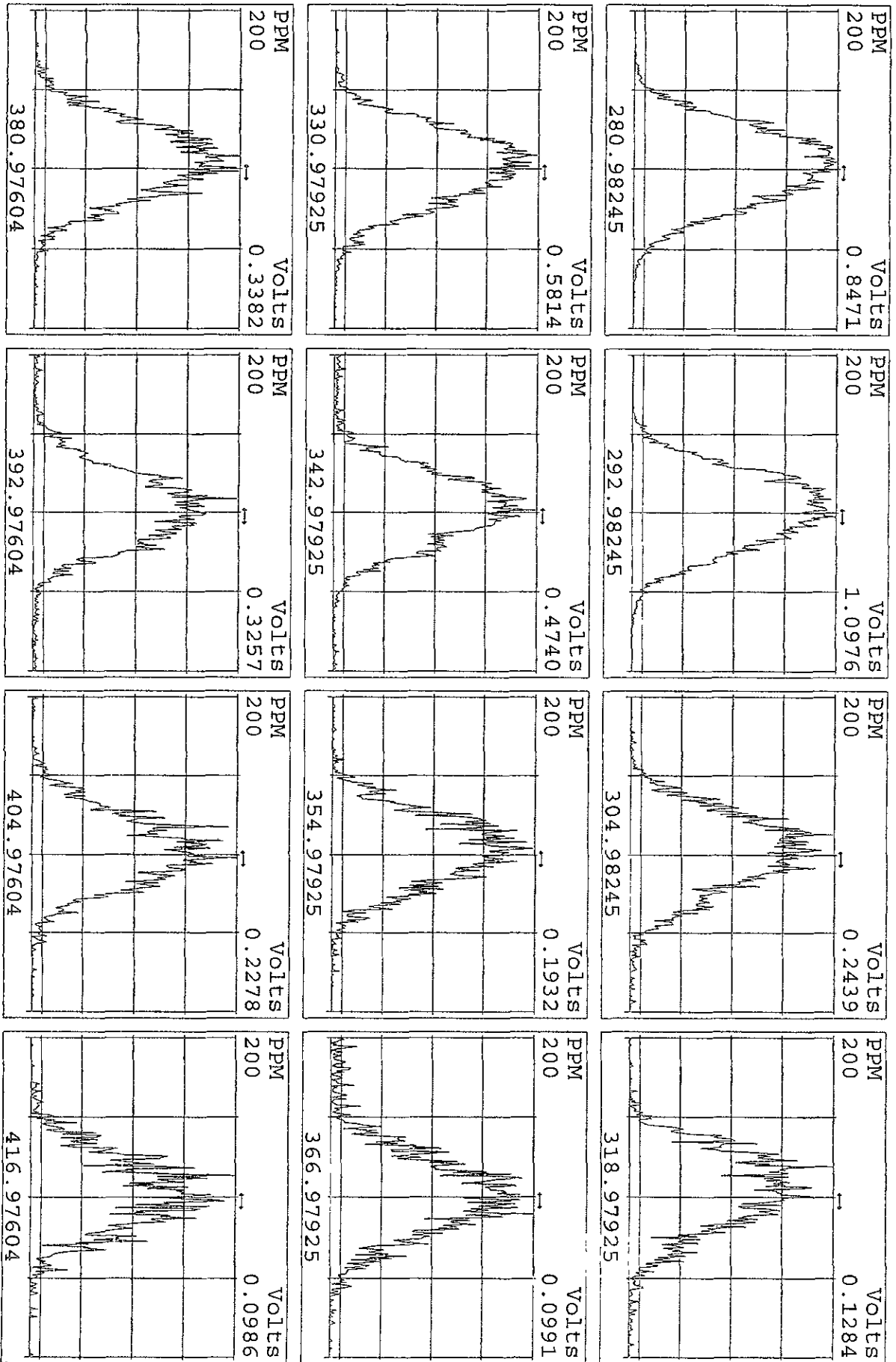
Peak Locate Examination: 1-MAY-2009:12:19 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:1 Reference:PFK



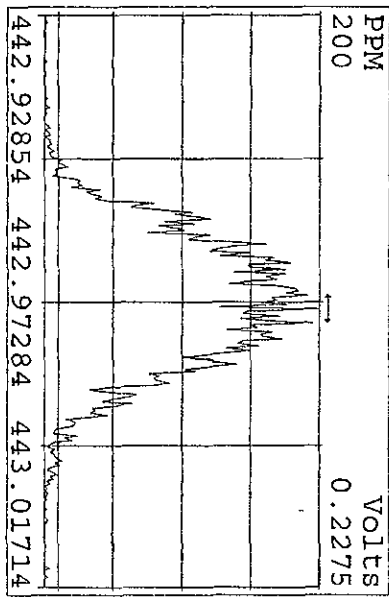
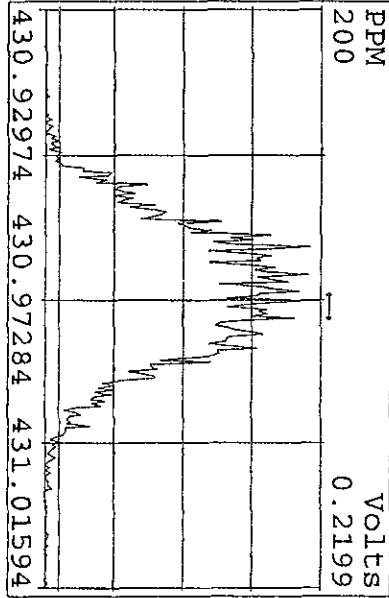
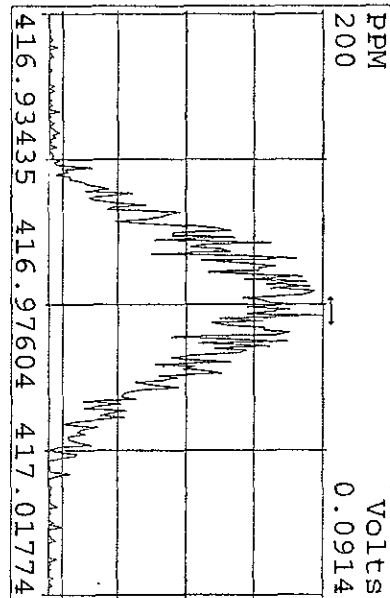
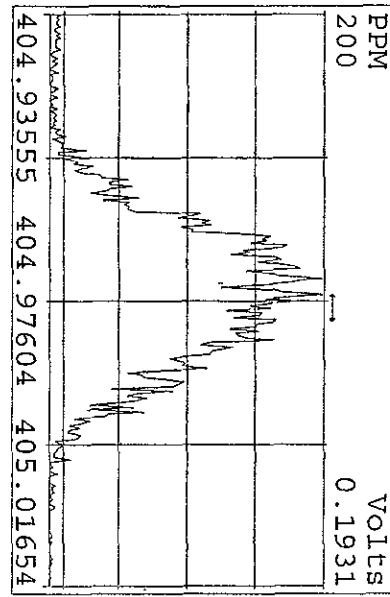
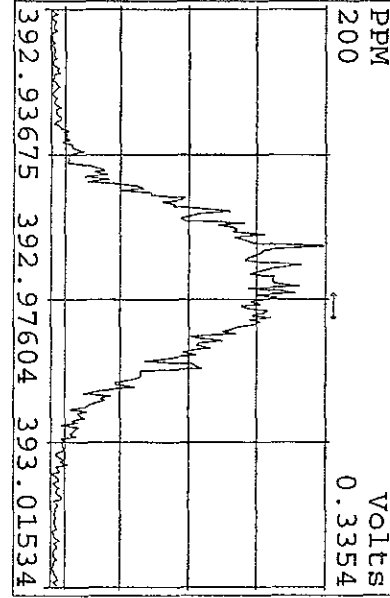
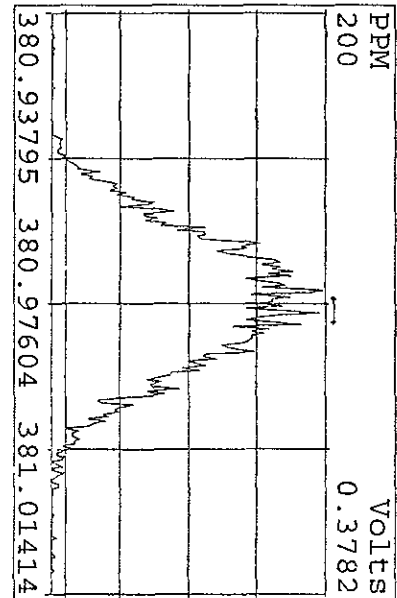
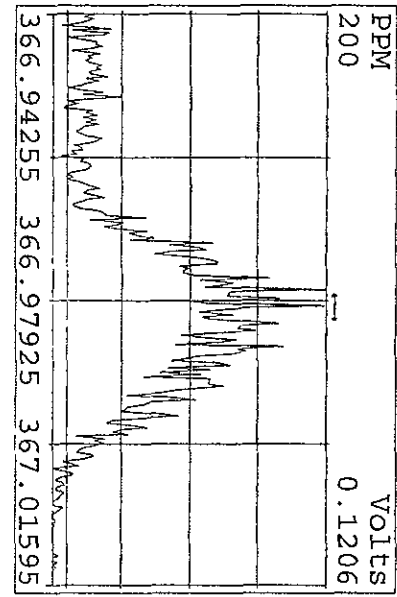
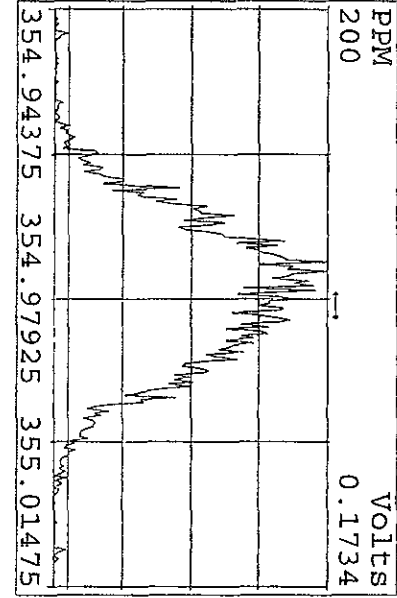
Peak Locate Examination: 1-MAY-2009:12:19 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:2 Reference:PFK



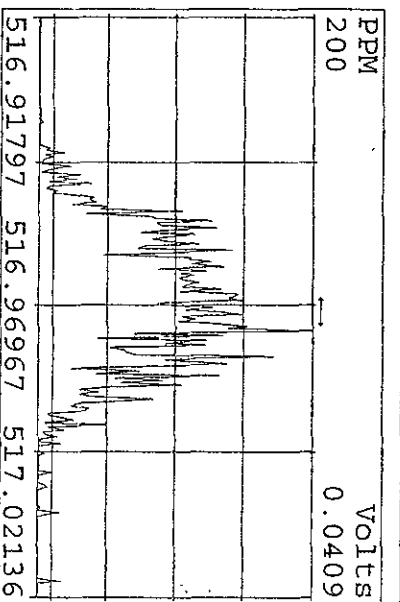
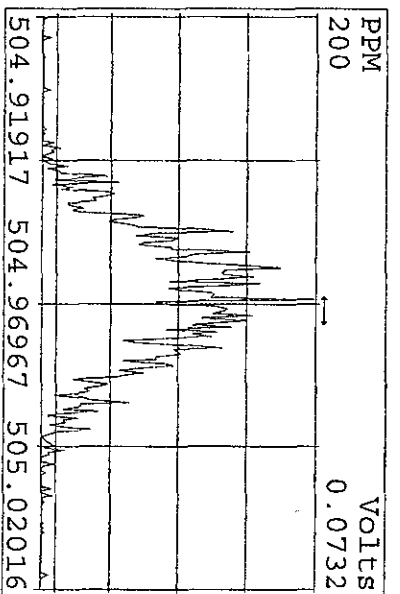
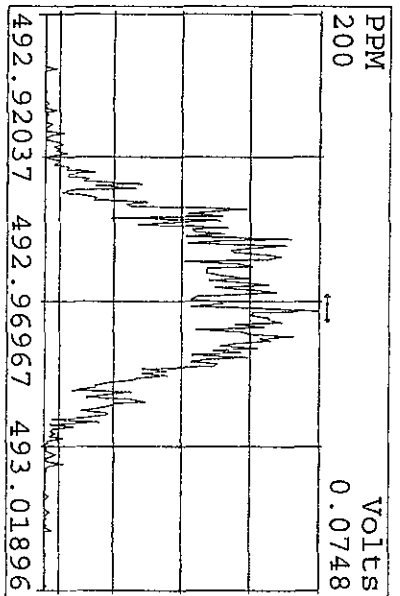
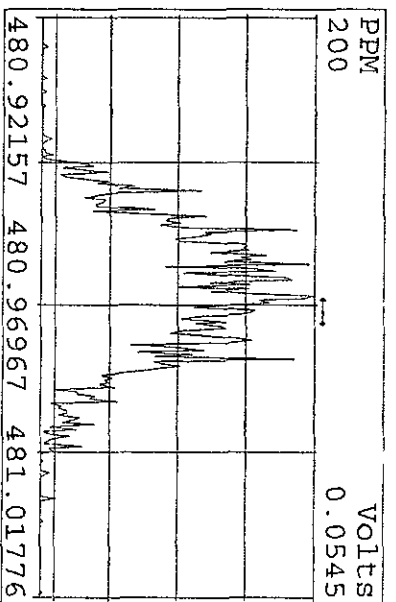
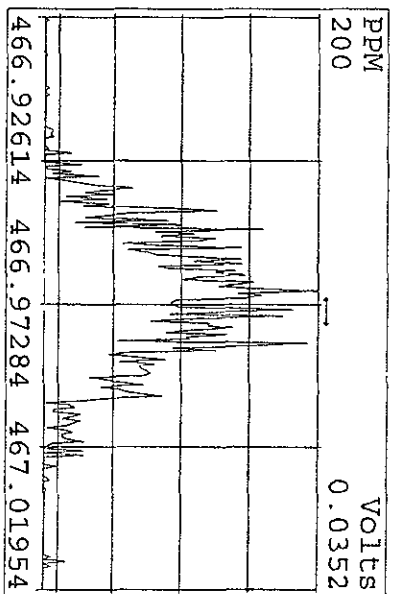
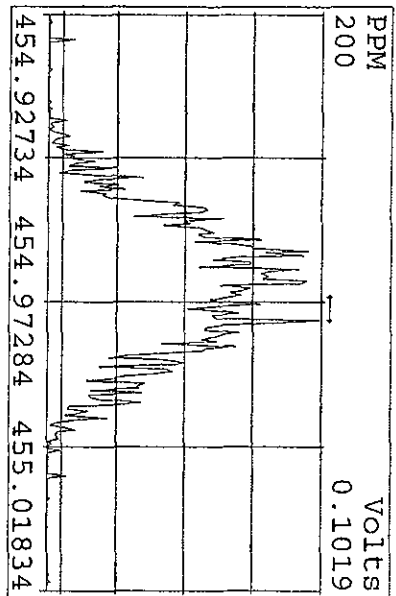
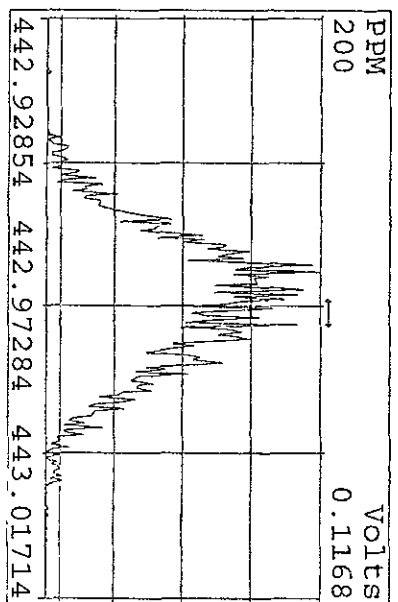
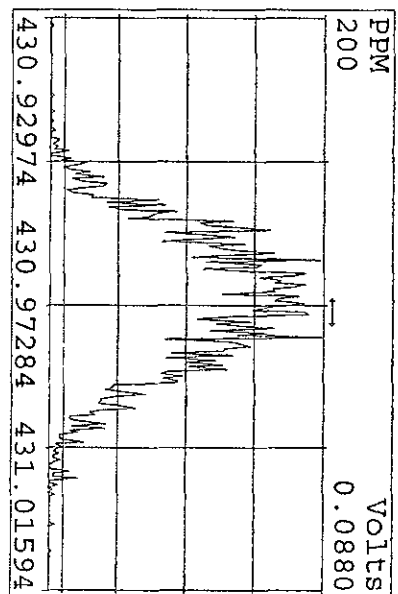
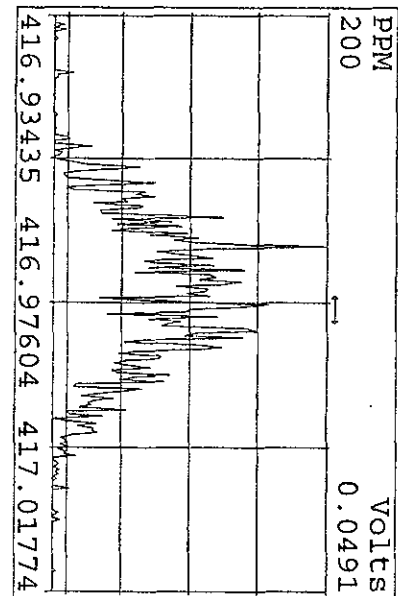
Peak Locate Examination: 1-MAY-2009:12:19 File:29AP09C9D5ENDRES  
Experiment:209DB5 Function:3 Reference:PFK



Peak Locate Examination: 1-MAY-2009:12:20 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:4 Reference:PFK

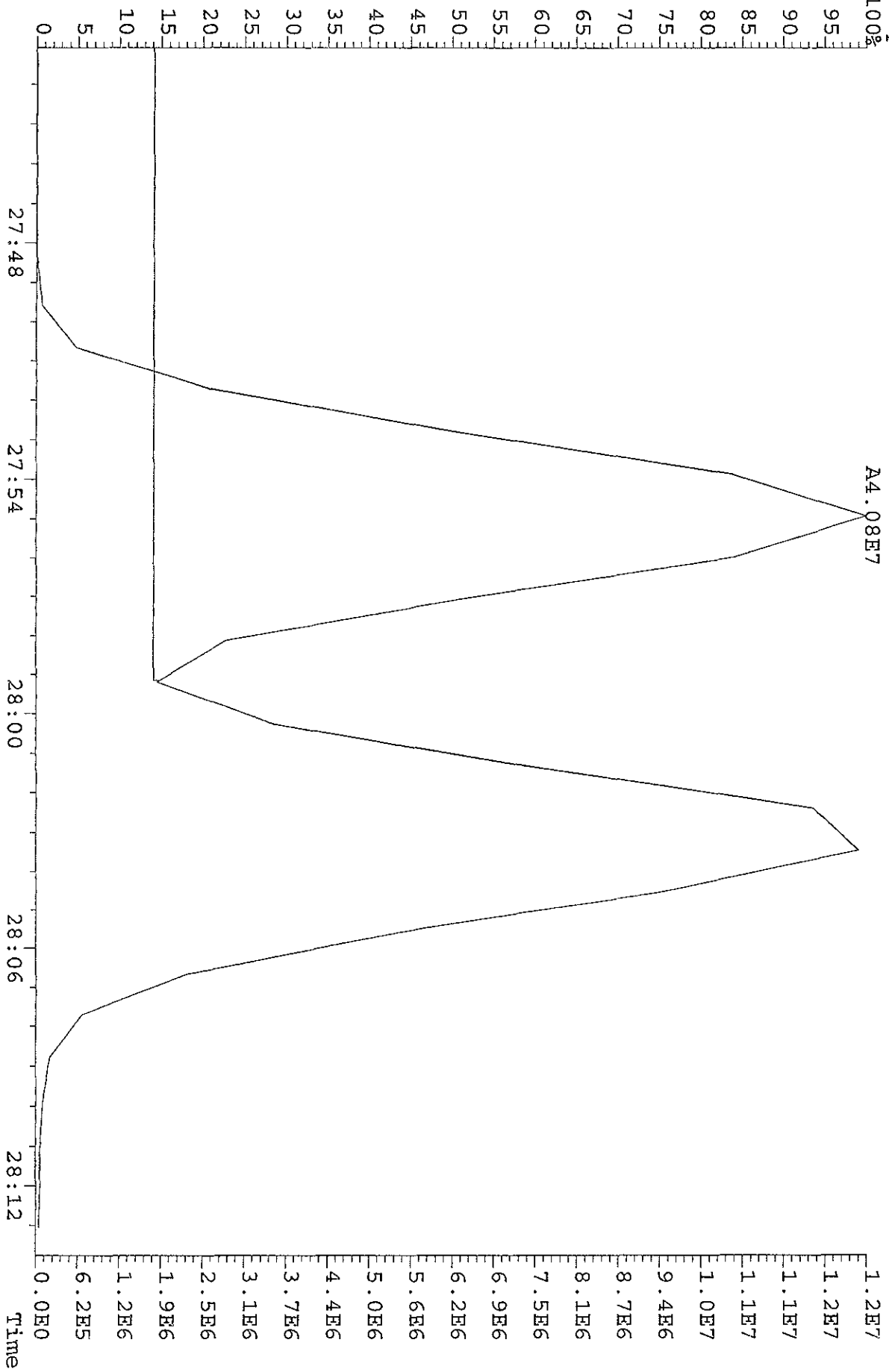


Peak Locate Examination: 1-MAY-2009:12:20 File:29AP09C9D5ENDRES  
 Experiment:209DB5 Function:5 Reference:PFK





File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 23:31:09 GC EI+ Voltage SIR Autospec-UltimaE  
 323.8834 S: 34 F: 3 Exp: 209DB5  
 Sample Text: ST0429E : CS3 09DXN016  
 100% A4.08E7



Run: 29AP09C9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

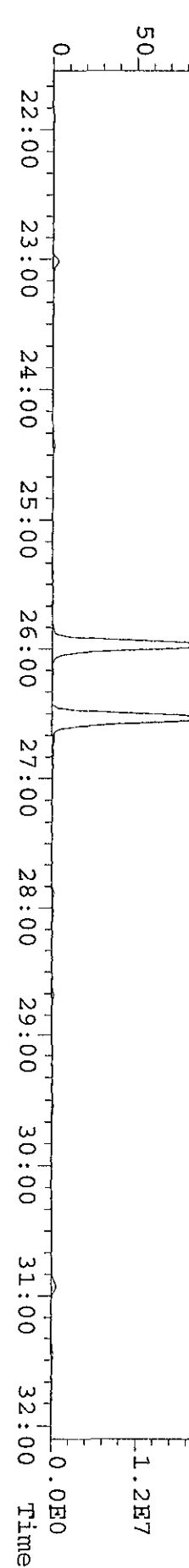
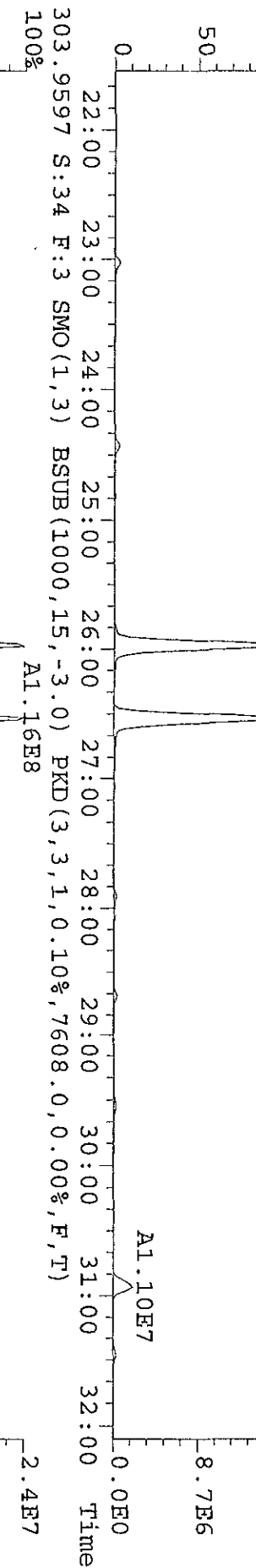
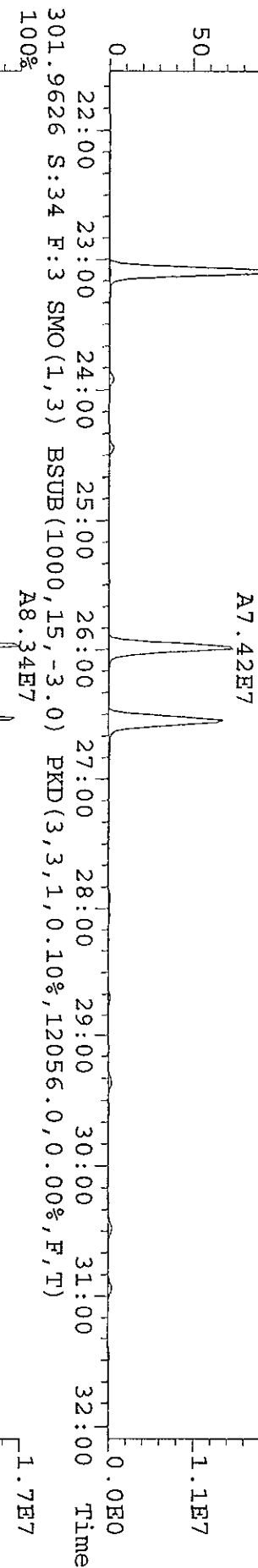
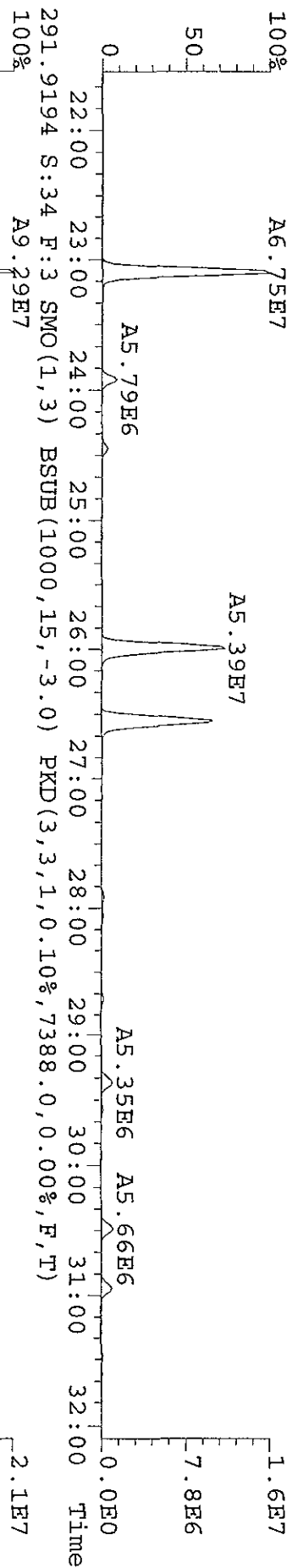
ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

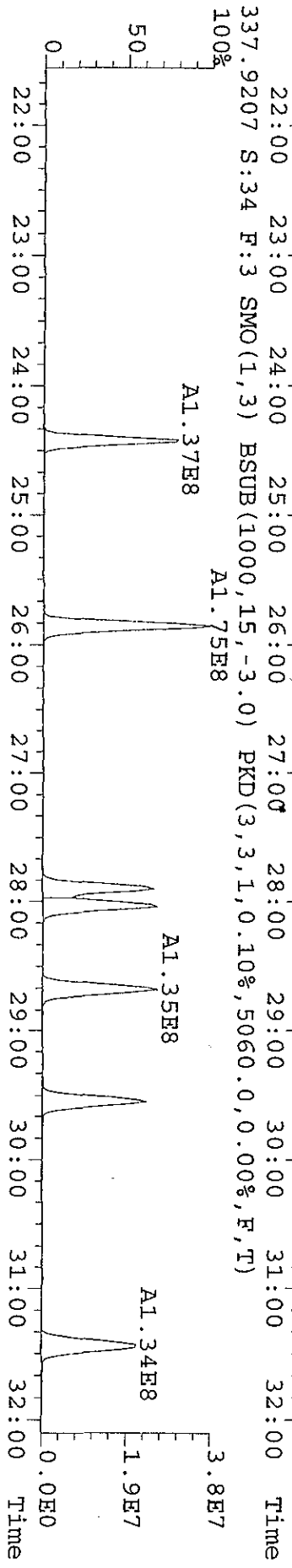
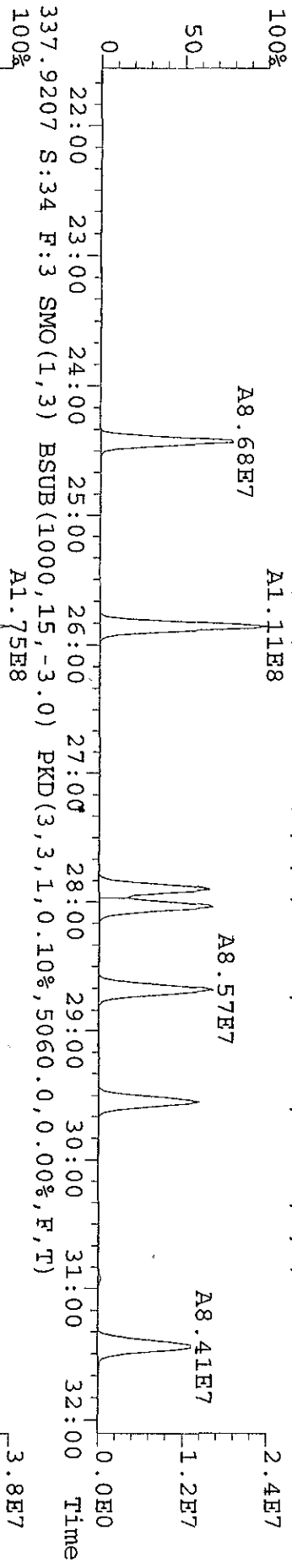
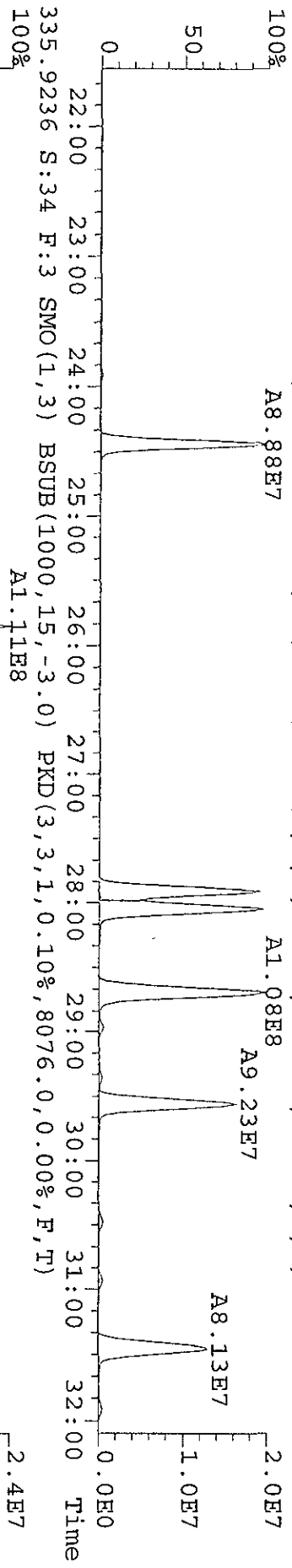
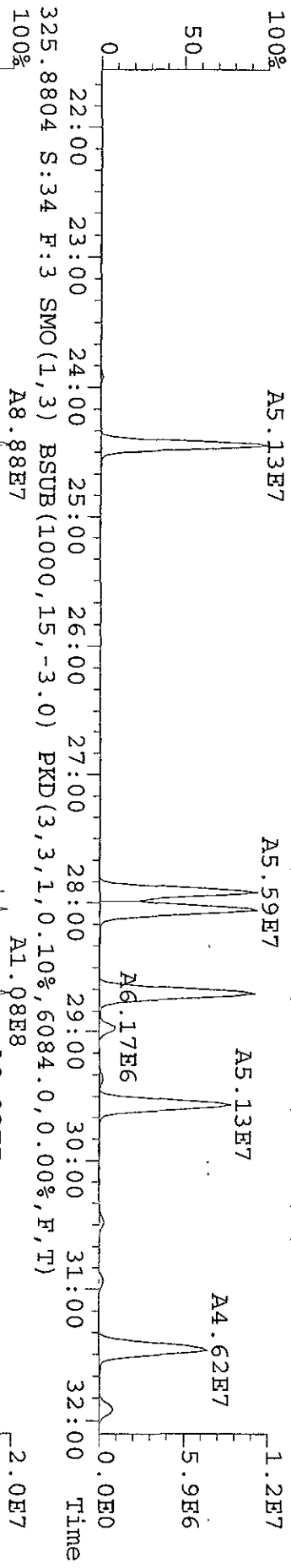
Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OCGB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 23:31:09 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#34 Text: ST0429E : CS3 09DXN016 Exp: 209DB5  
 289.9224 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4312.0,0.00%,F,T)

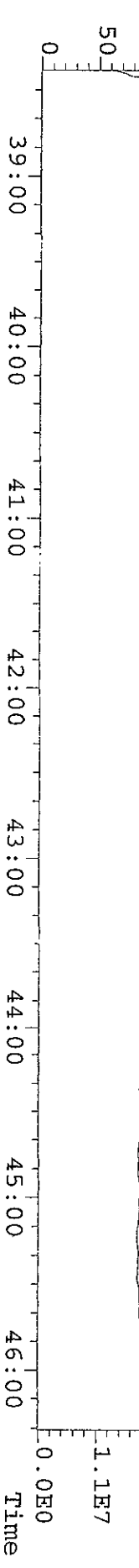
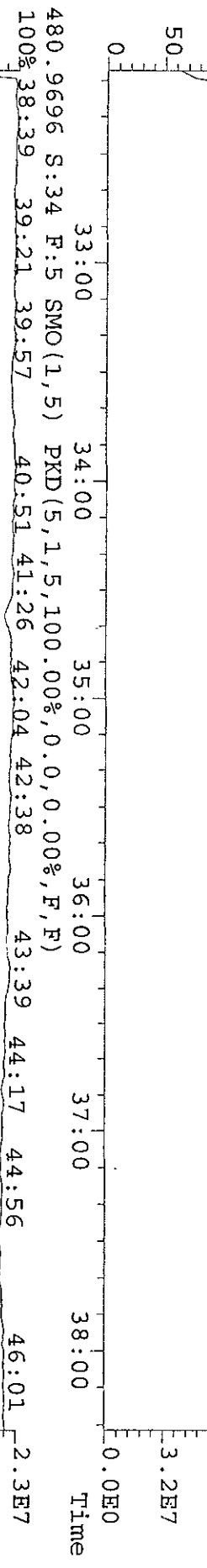
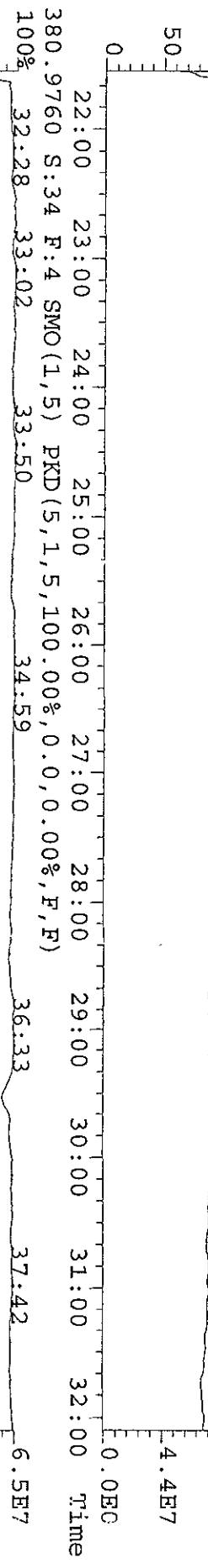
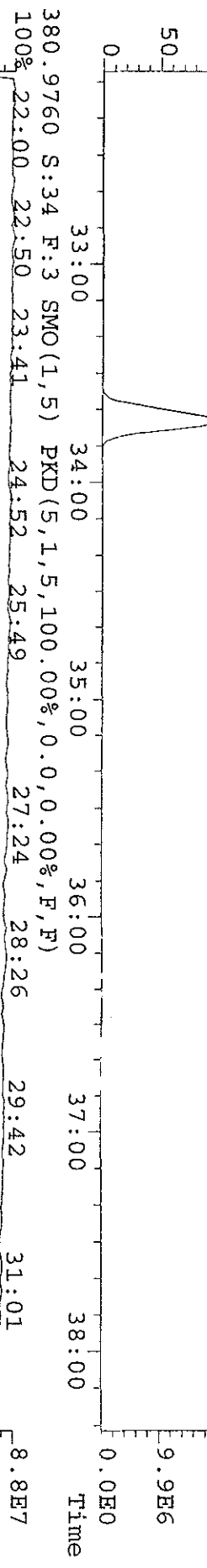
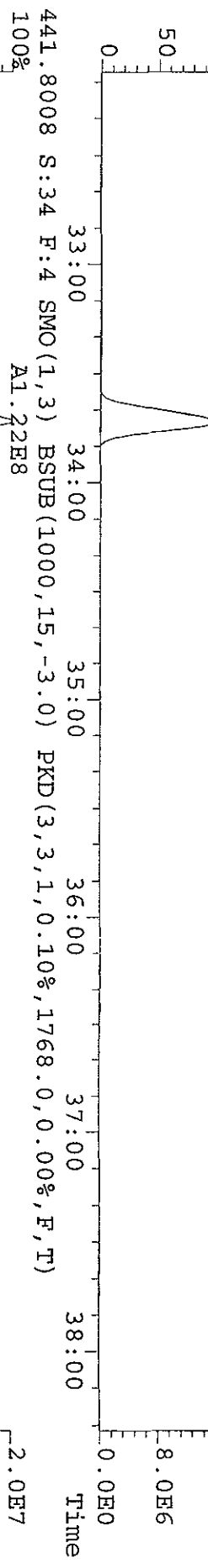


File: 29AP09C9D5 #1-594 Acq: 30-APR-2009 23:31:09 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#34 Text: ST0429E : CS3 09DXN016 Exp: 209DB5  
 323.8834 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3516.0,0.00%,F,T)  
 100%

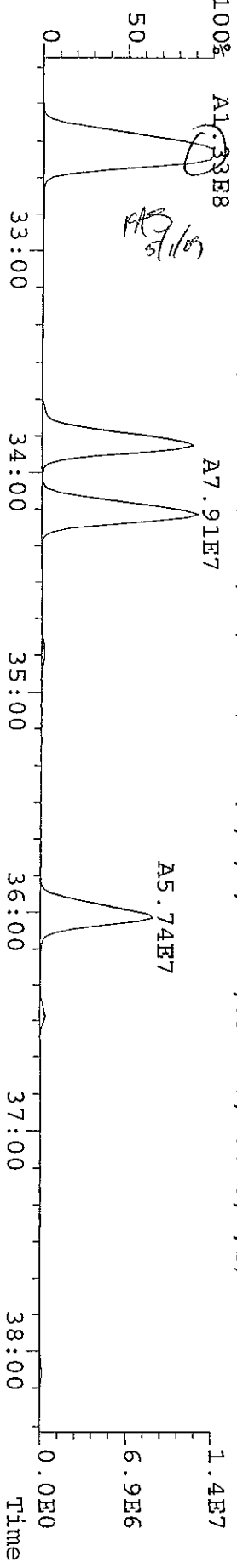


File: 29AP09C9D5 #1-381 Acq: 30-APR-2009 23:31:09 GC FI+ Voltage SIR Autospec-UltimaE  
 Sample#34 Text: ST0429E : CS3 09DXN016 Exp: 209DB5

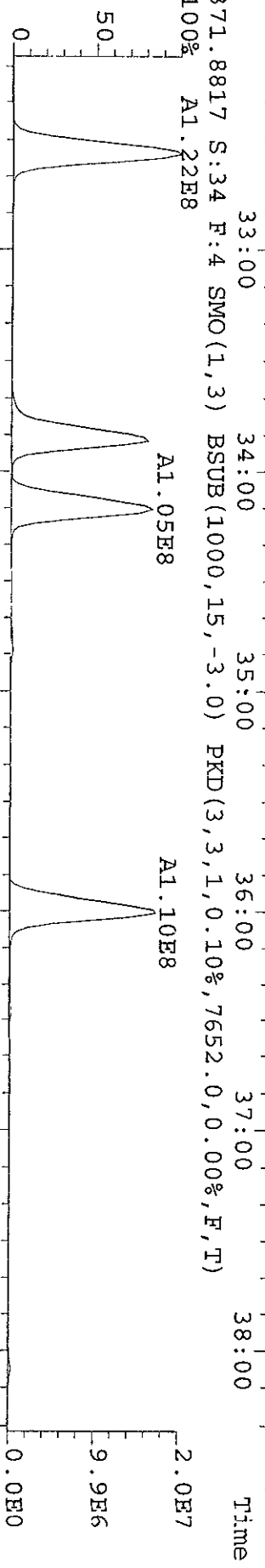
439.8038 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,668.0,0.00%,F,T)  
 100% A9.97E7



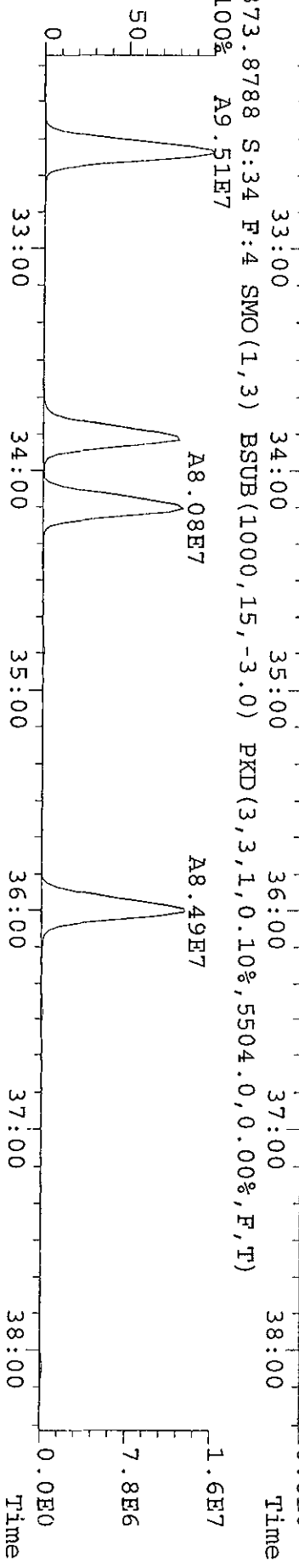
File: 29AP09C9D5 #1-381 Acq: 30-APR-2009 23:31:09 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#34 Text: ST0429E : CS3 09DXN016 Exp: 209DB5  
 359.8415 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5380.0,0.00%,F,T)  
 100% A1.33E8



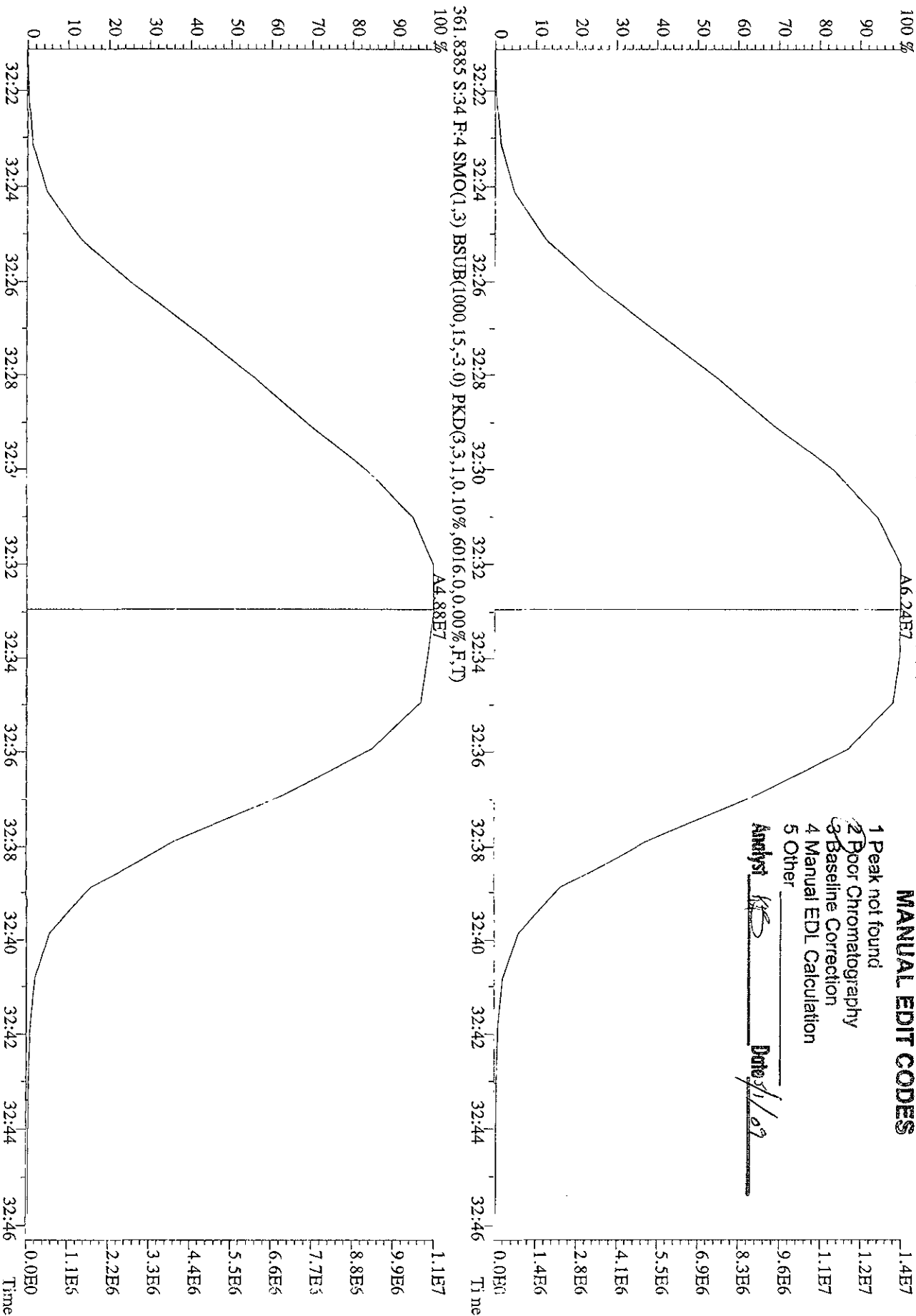
361.8385 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6016.0,0.00%,F,T)  
 100% A1.06E8  
 371.8817 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7652.0,0.00%,F,T)  
 100% A1.22E8



373.8788 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5504.0,0.00%,F,T)  
 100% A9.51E7  
 373.8788 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5504.0,0.00%,F,T)  
 100% A8.08E7  
 373.8788 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5504.0,0.00%,F,T)  
 100% A8.49E7

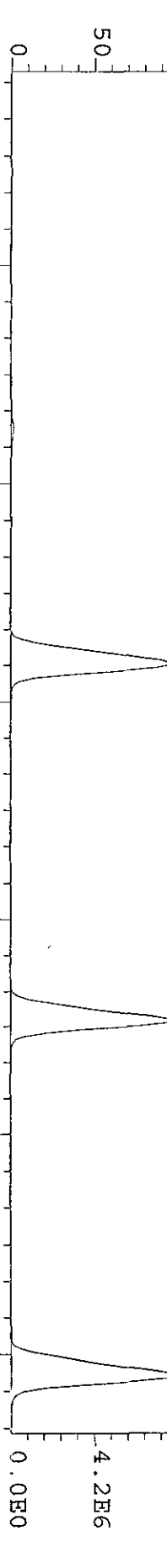


File:29AP09C9D5 #1-381 Acq:30-APR-2009 23:31:09 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#34 Text:ST0429E :CS3 09DDXN016 Exp:209DB5  
 359.8415 S:34 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,.5380,0,0,00%,F,T)  
 100%

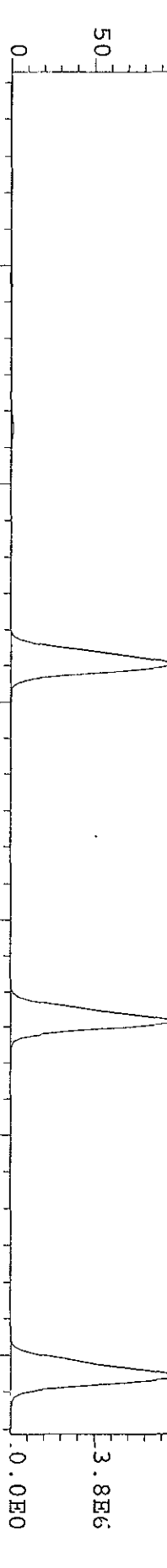




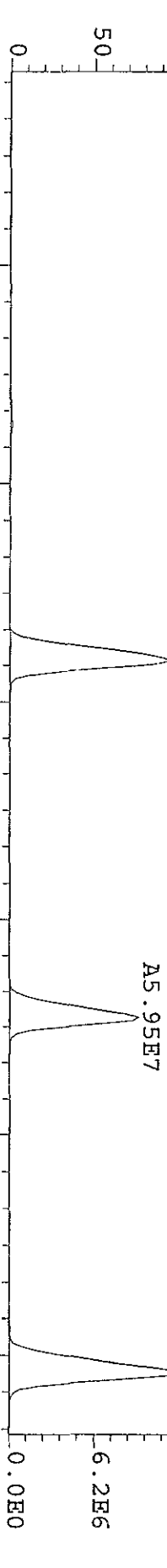
File: 29AP09C9D5 #1-381 Acq: 30-APR-2009 23:31:09 GC FI+ Voltage SIR Autospec-Ultimate  
 Sample#34 Text: ST0429E : CS3 09DXN016 Exp: 209DB5  
 393.8025 S: 34 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6284.0,0.00%,F,T)  
 100% A5.15E7 A5.16E7 A5.29E7 8.5E6



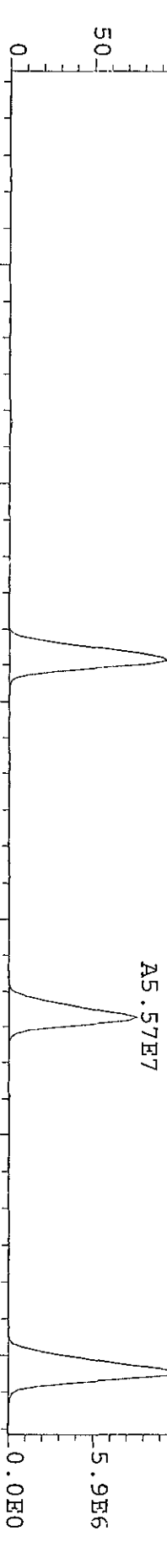
395.7995 S: 34 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2740.0,0.00%,F,T)  
 100% A4.69E7 A4.68E7 A4.79E7 7.7E6



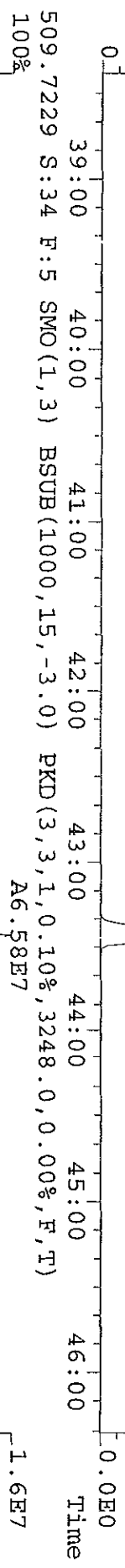
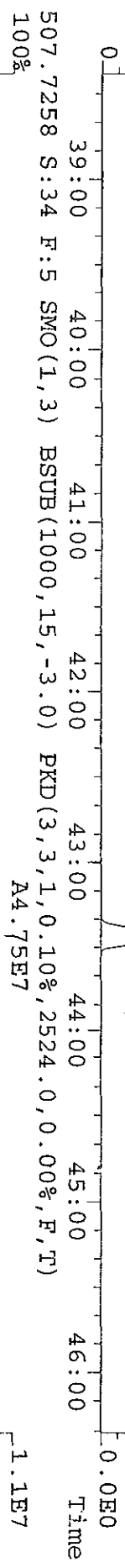
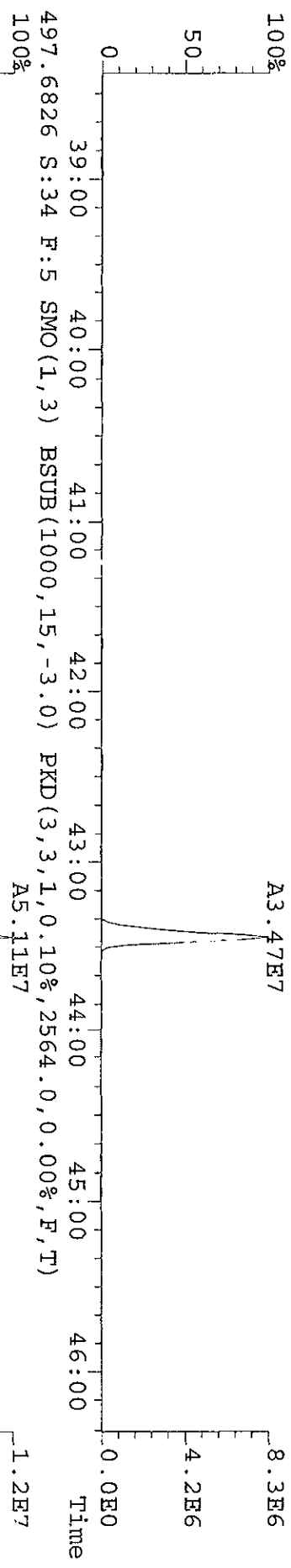
405.8428 S: 34 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3236.0,0.00%,F,T)  
 100% A7.44E7 A5.95E7 A7.71E7 1.2E7

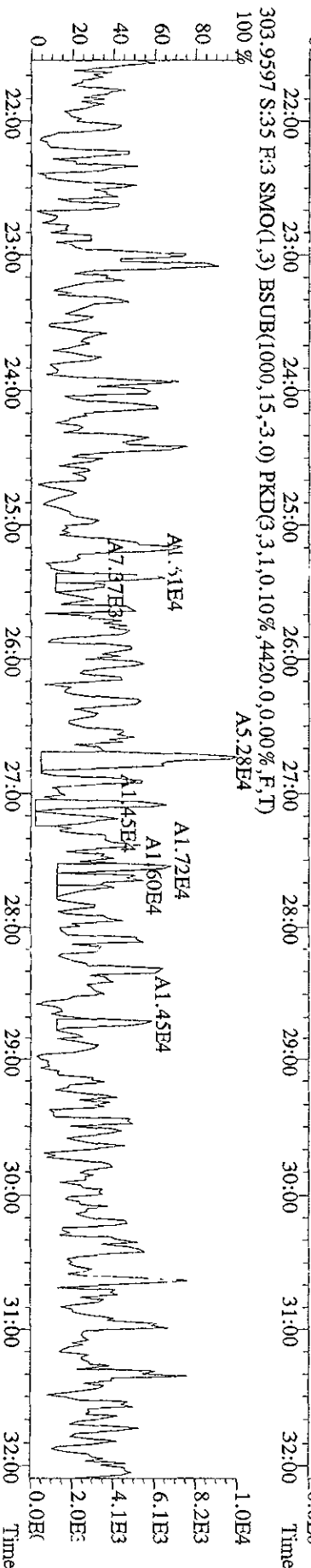
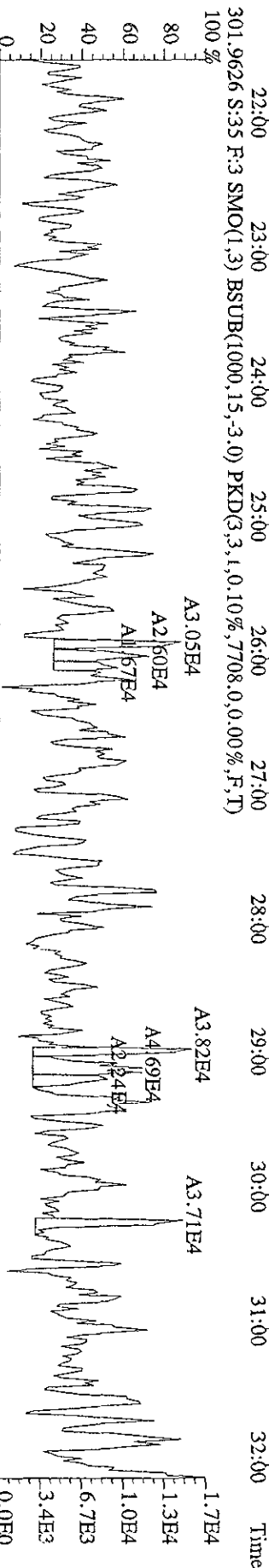
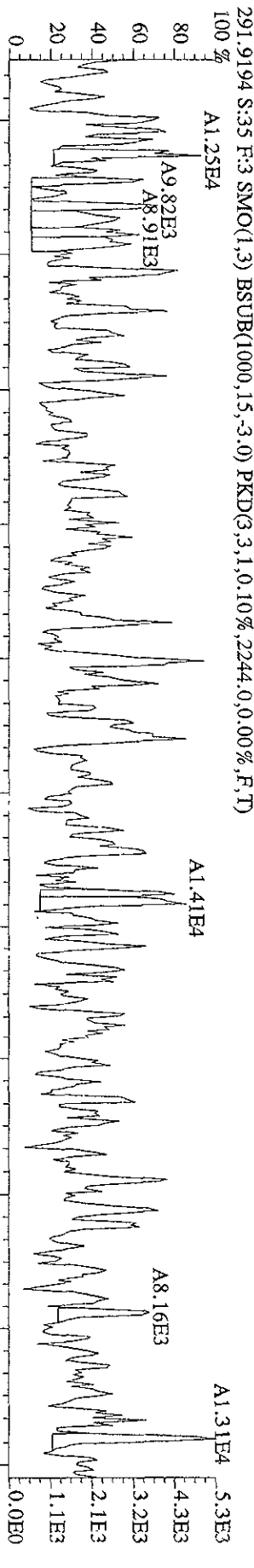
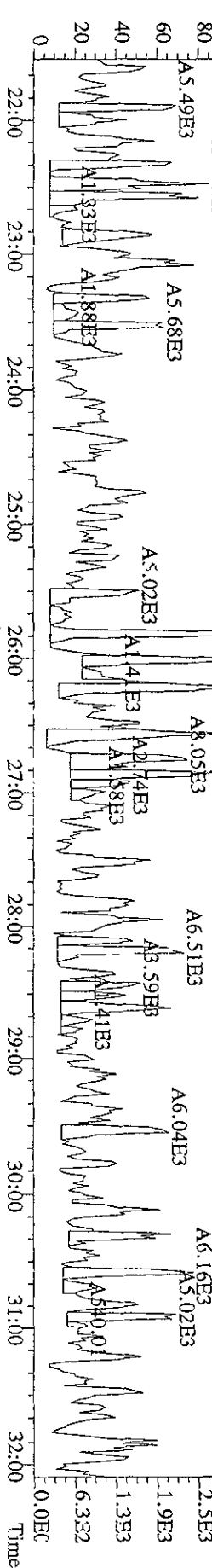


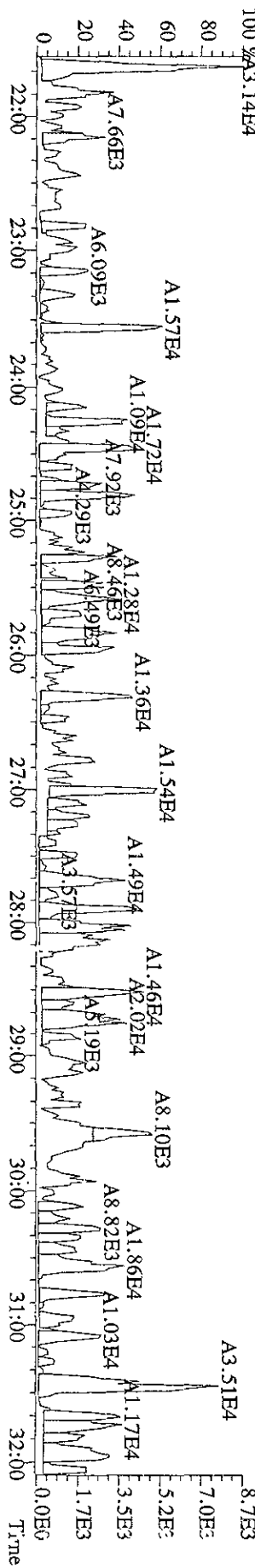
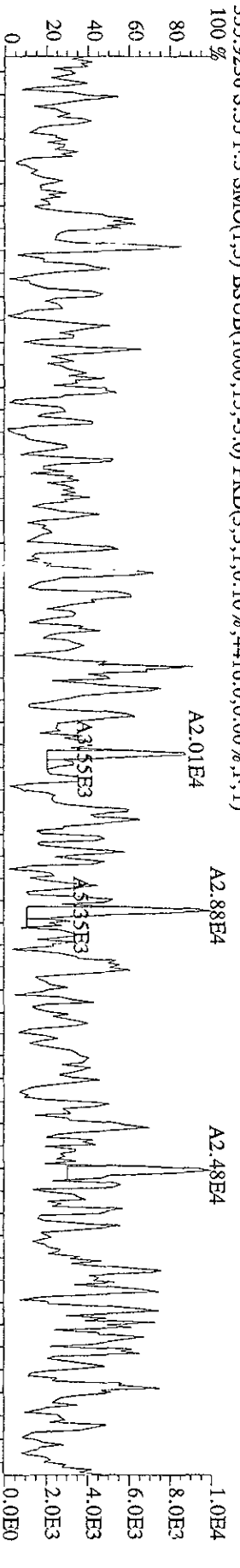
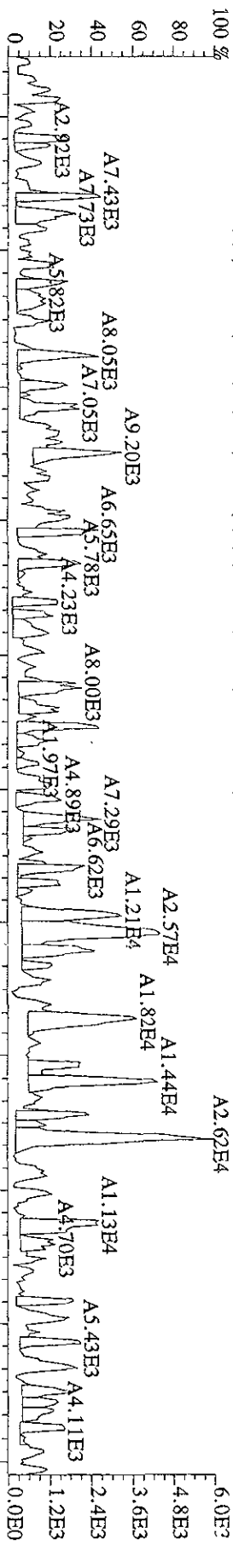
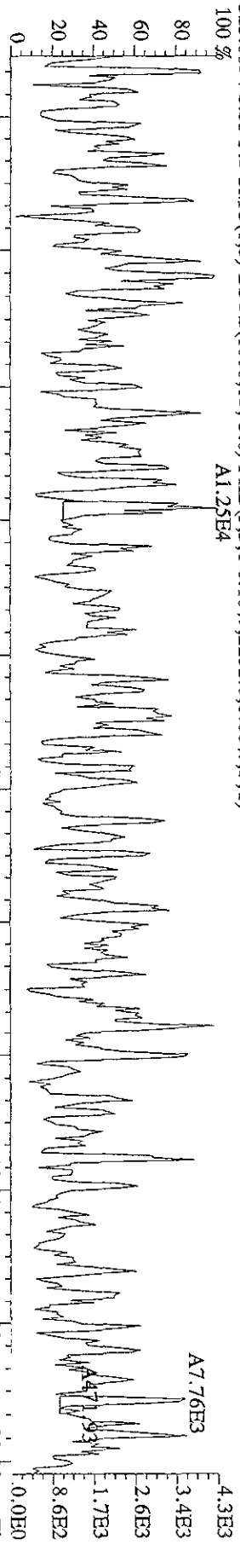
407.8398 S: 34 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1148.0,0.00%,F,T)  
 100% A7.04E7 A5.57E7 A7.44E7 1.2E7



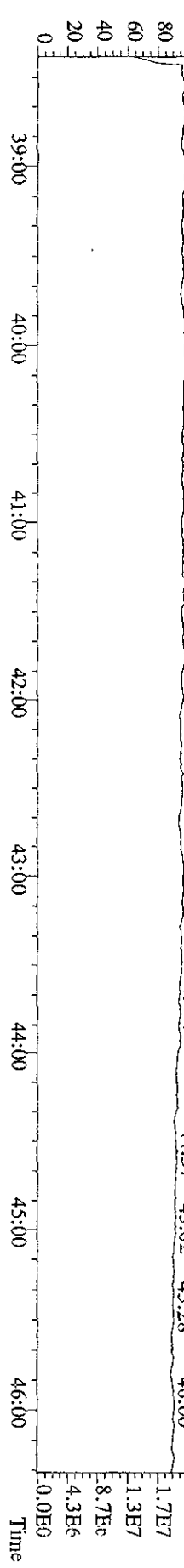
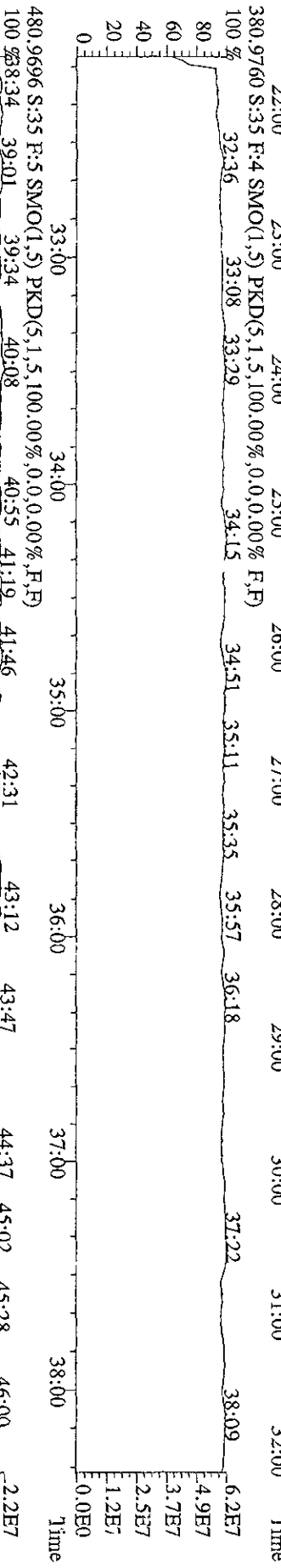
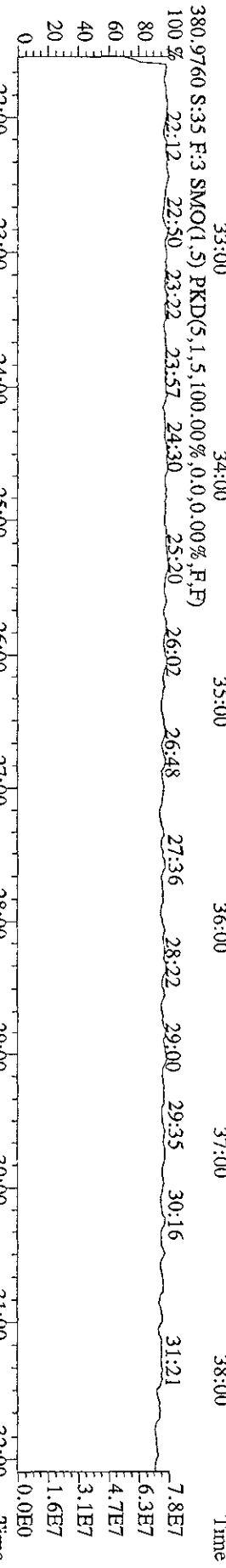
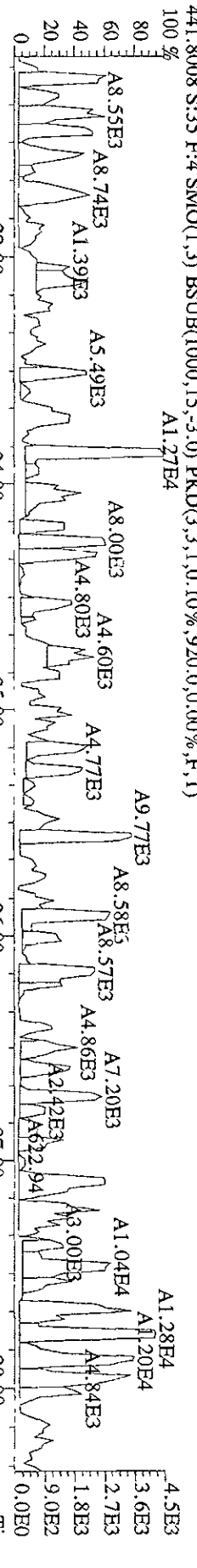
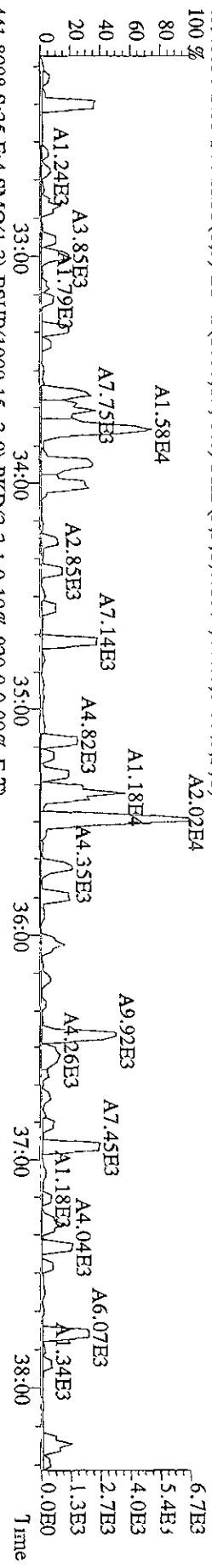
File: 29AP09C9D5 #1-529 Acq: 30-APR-2009 23:31:09 GC FI+ Voltage SIR Autospec-UltimaE  
 Sample#34 Text: ST0429E : CS3 09DXN016 Exp: 209DB5  
 497.6826 S: 34 F: 5 SMO(1, 3) BSUB(1000, 15, -3.0) PKD(3, 3, 1, 0.10%, 2564.0, 0.00%, F, T)  
 100% A3.47E7



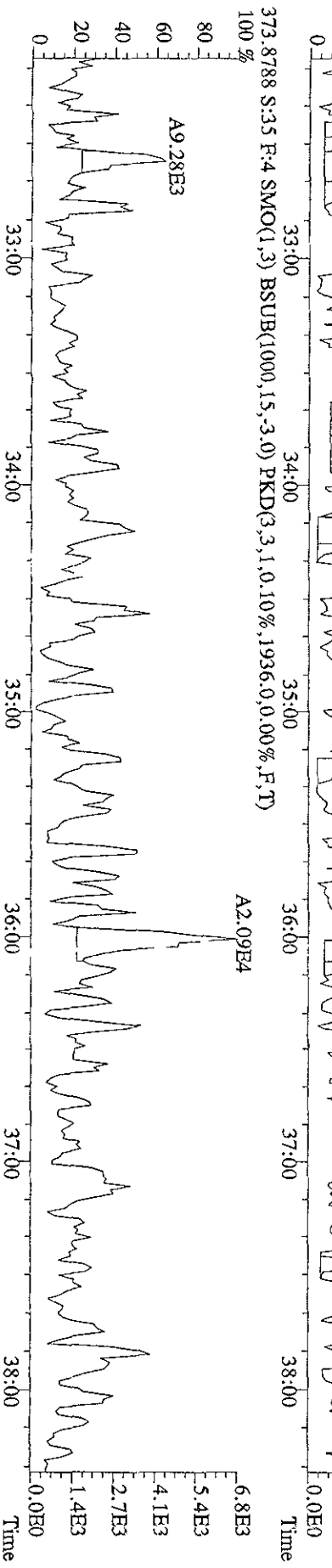
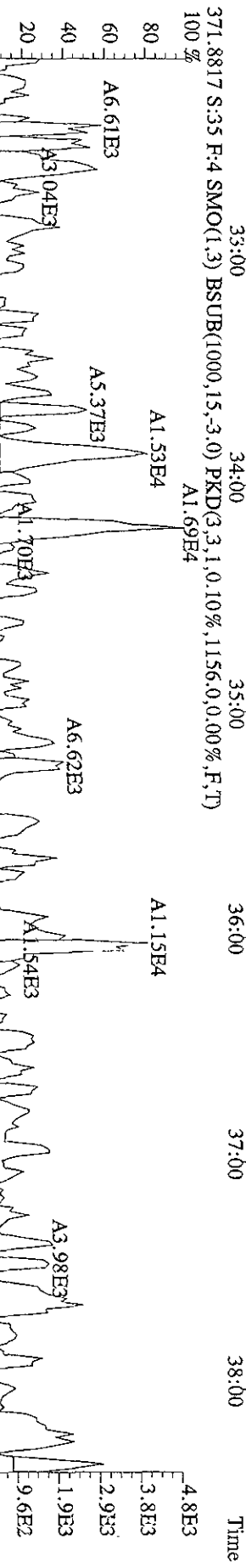
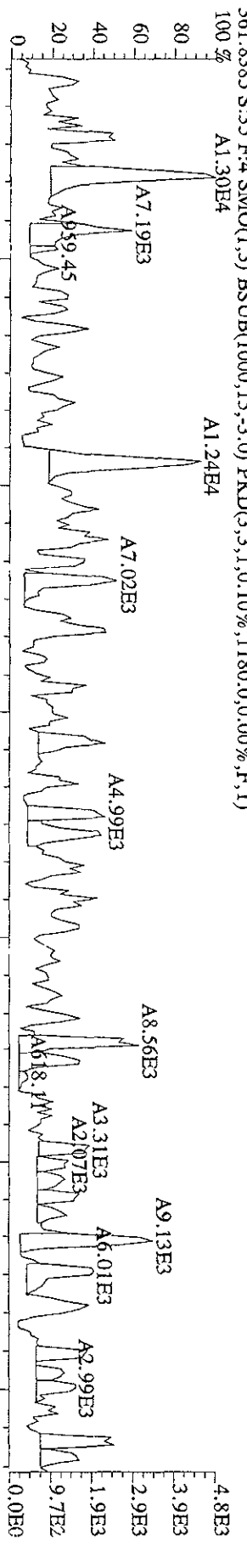
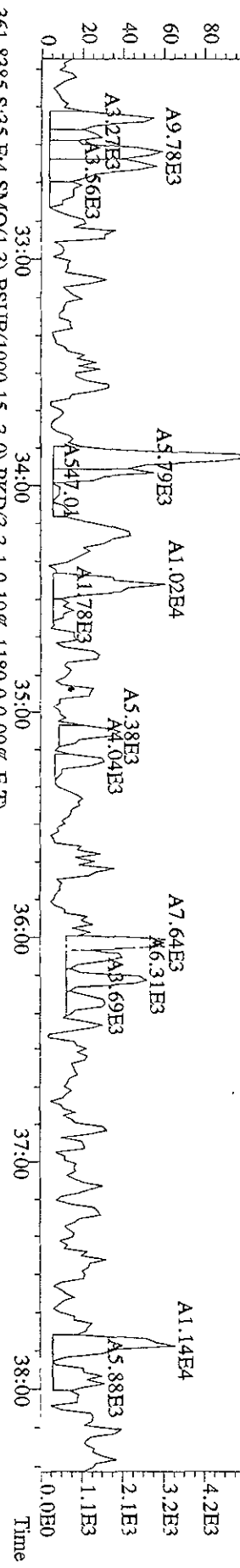




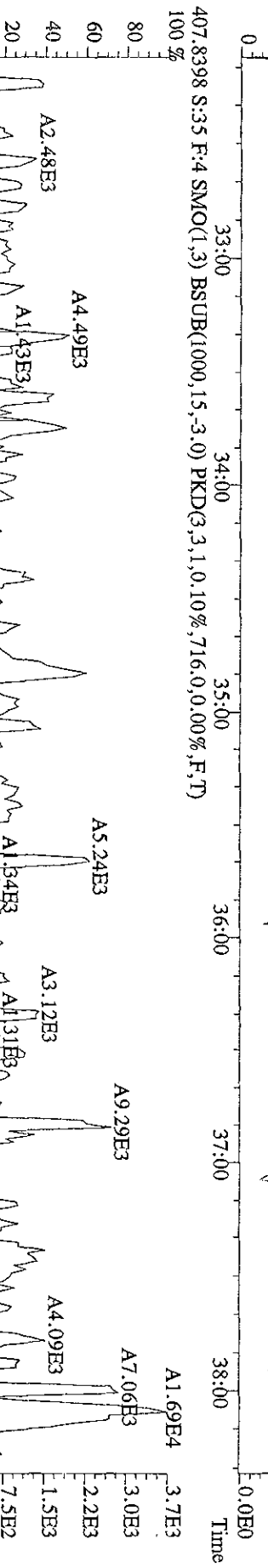
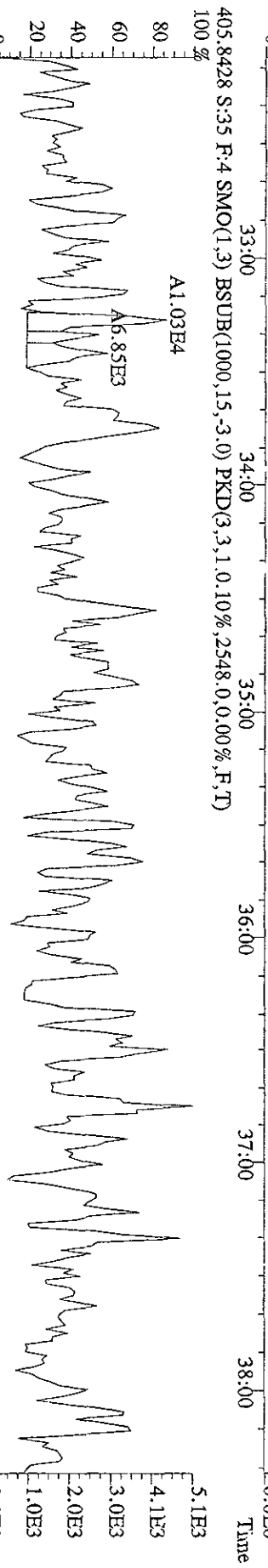
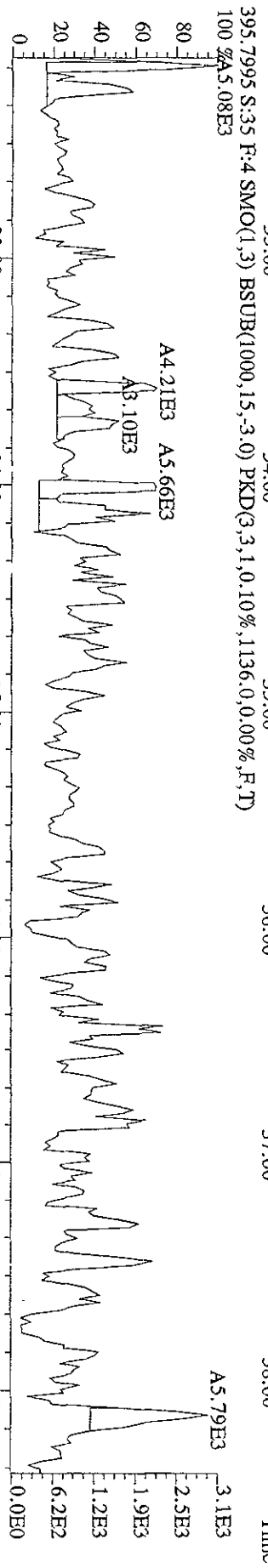
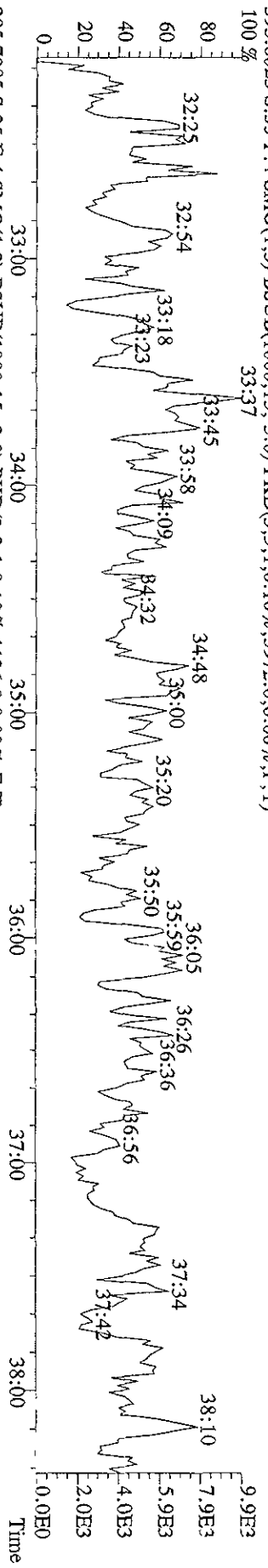
File:29AP09C9D5 #1-381 Acq: 1-MAY-2009 00:22:29 GC EI+ Voltage SIR Autospec-Ultimat  
 Sample#35 Text:SB0429F :Solvent Blank C-12 Exp:209DB5  
 439.8038 S:35 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,148.0,0.00%,F,T)  
 100 %



File:29AP09C9D5 #1-381 Acq: 1-MAY-2009 00:22:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#35 Text:SB0429F :Solvent Blank C-12 Exp:209DB5  
 359.8415 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1088,0,0,00%,F,T)  
 100 % A1.90E4

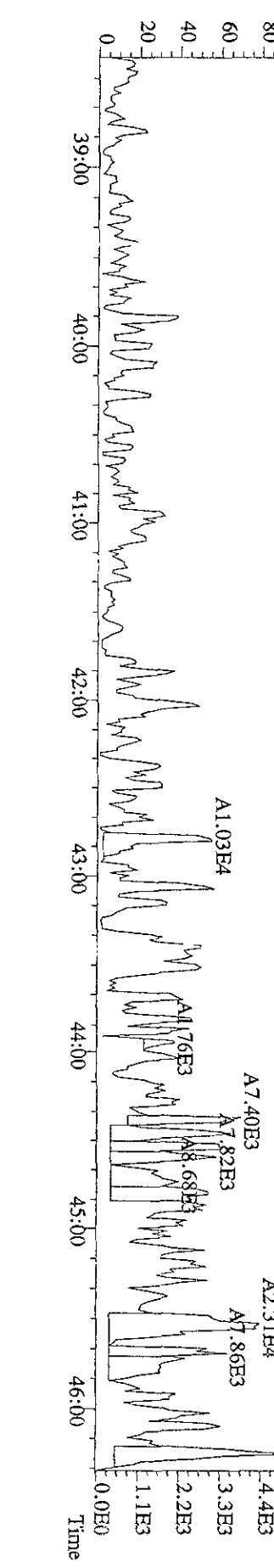
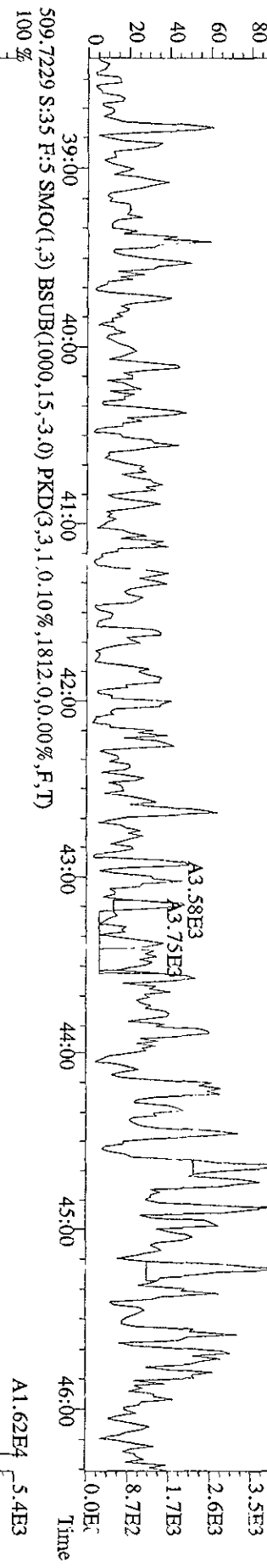
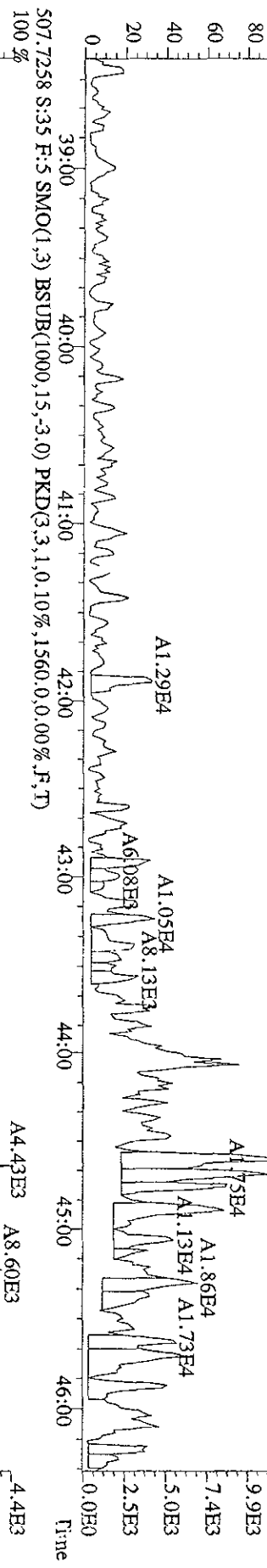
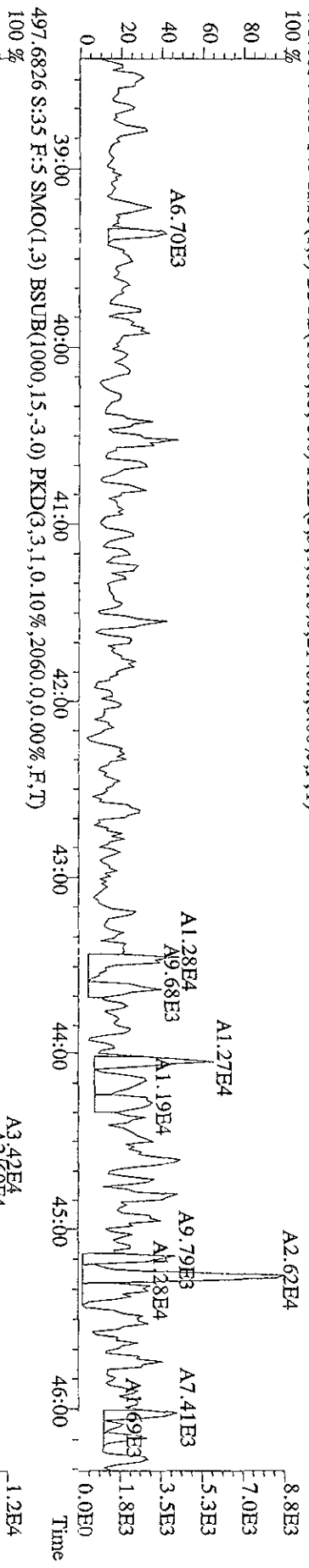


File:29AP09C9D5 #1-381 Acq:1-MAY-2009 00:22:29 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#35 Text:SB0429F Solvent Blank C-12 Exp:209DB5  
 393.8025 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5972.0,0.00%,F,T)



407.8398 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,716.0,0.00%,F,T)  
 405.8428 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2548.0,0.00%,F,T)

File:29AP09C9D5 #1-529 Acq: 1-MAY-2009 00:22:29 GC EI + Voltage S1R Autospec-UltimaE  
 Sample#35 Text:SB0429F :Solvent Blank C-12 Exp:209DB5  
 497.6826 S:3.5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2060,0,0,00%,F,T)





# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID (1668MSL, 1668MDB5, 1668MSLDEX, LEGSPCRS) 0115099D5

Method ID 1668M Date Scanned 1/28/09 gjb

Column ID DB-5 Instrument ID 9D5

STD ID's ST0115 & ST0115(A-D) STD Solution CPDXN (014-018)

GC Program 209D35 Multiplier Setting 404

Analyzed By AM/KAS Date Analyzed 1/15/09

Prepared By KAS Date Prepared 1/16/09

Reviewed By M.G. Date Reviewed 1/19/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	/	/
Hardcopies of chromatograms for CS1-CS5 present?	/	/
Copy of log-file present?	/	/
Static resolution check present?	/	/
Target file RT's correct?	/	/
%RSD within method-specified limits?*	/	/
Signal-to-noise criteria met?	/	/
Isotopic ratios within limits?	/	/
High point free of saturation?	/	/
Are chromatographic windows correct?	/	/
Manual reintegration's checked and hardcopies included?	/	/

COMMENTS:

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\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for natives and ±40% for labeled compounds; S/N ≥ 2.5  
1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 2.5



13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

Run #1 Filename 15JA09D9D5 S: 1 I: 1  
 Acquired: 15-JAN-09 20:25:19 Processed: 16-JAN-09 15:15:27  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115 :CS1 09DXN014

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	199610800	0.65 y	25:23	-	100.00 n
13C-TCB-81	185693700	0.78 y	27:00	0.9303	100.00 n
TCB-81	2422266	0.68 y	27:01	1.3044	1.00 n
13C-TCB-77	194359500	0.80 y	27:34	0.9737	100.00 n
TCB-77	1969891	0.83 y	27:35	1.0135	1.00 n
13C-PeCB-123	166450700	0.65 y	28:54	0.8339	100.00 n
PeCB-123	2551600	0.67 y	28:55	1.5329	1.00 n
13C-PeCB-118	192926200	0.65 y	29:02	0.9665	100.00 n
PeCB-118/106	2948540	0.56 y	29:03	1.5283	1.00 n
13C-PeCB-114	190199200	0.65 y	29:41	0.9528	100.00 n
PeCB-114	3091930	0.56 y	29:42	1.6256	1.00 n
13C-PeCB-105	175973900	0.66 y	30:34	0.8816	100.00 n
PeCB-105/127	2519762	0.57 y	30:35	1.4319	1.00 n
13C-PeCB-126	176574800	0.65 y	32:30	0.8846	100.00 n
PeCB-126	2054057	0.56 y	32:31	1.1633	1.00 n
13C-OcCB-202	212477100	0.87 y	34:43	-	100.00 n
13C-HxCB-167	170138000	1.26 y	33:36	0.8007	100.00 n
HxCB-167	1881460	1.19 y	33:37	1.1058	1.00 y
13C-HxCB-156	134149800	1.28 y	34:53	0.6314	100.00 n
HxCB-156	1989175	1.35 y	34:54	1.4828	1.00 y
13C-HxCB-157	143553000	1.26 y	35:12	0.6756	100.00 n
HxCB-157	2106500	1.23 y	35:13	1.4674	1.00 n
13C-HxCB-169	146322800	1.26 y	37:05	0.6887	100.00 n
HxCB-169	1350130	1.32 y	37:06	0.9227	1.00 n
13C-HpCB-180	124212300	1.03 y	35:49	0.5846	100.00 n
HpCB-180	1524803	1.00 y	35:50	1.2276	1.00 n
13C-HpCB-170	97418600	1.05 y	37:29	0.4585	100.00 n
HpCB-170/190	1658961	1.09 y	37:30	1.7029	1.00 n
13C-HpCB-189	123177500	1.04 y	39:07	0.5797	100.00 n
HpCB-189	1353507	1.09 y	39:08	1.0988	1.00 n
13C-DeCB-209	93890300	0.73 y	44:04	0.4419	100.00 n
DECB-209	1476592	0.79 y	44:05	1.5727	1.00 n
13C-PeCB-111	251775800	0.65 y	26:50	1.3881	100.00 n

Run #2    Filename 15JA09D9D5    S: 2    I: 1  
 Acquired: 15-JAN-09    21:16:36    Processed: 16-JAN-09    15:15:28  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115A :CS2 09DXN015

Name	Resp	RA	RT	RRF	Resp	Mod?
13C-PeCB-101	260995000	0.65 y	25:23	-	100.00	n
13C-TCB-81	249140000	0.78 y	26:59	0.9546	100.00	n
TCB-81	16061260	0.76 y	27:00	1.2893	5.00	n
13C-TCB-77	264238000	0.77 y	27:34	1.0124	100.00	n
TCB-77	14325810	0.78 y	27:35	1.0843	5.00	n
13C-PeCB-123	234556000	0.65 y	28:54	0.8987	100.00	n
PeCB-123	18341690	0.59 y	28:55	1.5639	5.00	n
13C-PeCB-118	256914000	0.65 y	29:03	0.9844	100.00	n
PeCB-118/106	20151520	0.57 y	29:04	1.5687	5.00	n
13C-PeCB-114	250979200	0.66 y	29:41	0.9616	100.00	n
PeCB-114	20878680	0.58 y	29:42	1.6638	5.00	n
13C-PeCB-105	236551000	0.66 y	30:35	0.9063	100.00	n
PeCB-105/127	17595610	0.59 y	30:36	1.4877	5.00	n
13C-PeCB-126	248209700	0.65 y	32:31	0.9510	100.00	n
PeCB-126	14246760	0.58 y	32:32	1.1480	5.00	n
13C-OcCB-202	281047000	0.88 y	34:44	-	100.00	n
13C-HxCB-167	239554000	1.25 y	33:35	0.8524	100.00	n
HxCB-167	14283760	1.30 y	33:36	1.1925	5.00	y
13C-HxCB-156	191560200	1.29 y	34:54	0.6816	100.00	n
HxCB-156	14097740	1.24 y	34:55	1.4719	5.00	n
13C-HxCB-157	203989500	1.25 y	35:13	0.7258	100.00	n
HxCB-157	14921860	1.23 y	35:14	1.4630	5.00	n
13C-HxCB-169	217321000	1.26 y	37:06	0.7733	100.00	n
HxCB-169	10658530	1.26 y	37:07	0.9809	5.00	n
13C-HpCB-180	164976900	1.05 y	35:50	0.5870	100.00	n
HpCB-180	11114430	1.12 y	35:51	1.3474	5.00	n
13C-HpCB-170	134170200	1.07 y	37:29	0.4774	100.00	n
HpCB-170/190	11010430	1.08 y	37:30	1.6413	5.00	n
13C-HpCB-189	176083100	1.06 y	39:08	0.6265	100.00	n
HpCB-189	10942400	1.12 y	39:09	1.2429	5.00	n
13C-DeCB-209	137327200	0.71 y	44:04	0.4886	100.00	n
DECB-209	10345550	0.68 y	44:04	1.5067	5.00	n
13C-PeCB-111	340992000	0.65 y	26:51	1.3932	100.00	n

Run #3 Filename 15JA09D9D5 S: 3 I: 1  
 Acquired: 15-JAN-09 22:07:59 Processed: 16-JAN-09 15:15:28  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115B :CS3 09DXN016

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	247603800	0.65 y	25:22	-	100.00	n
13C-TCB-81	233777000	0.77 y	26:59	0.9442	100.00	n
TCB-81	149921700	0.75 y	27:00	1.2826	50.00	n
13C-TCB-77	238978000	0.76 y	27:33	0.9652	100.00	n
TCB-77	138181800	0.73 y	27:34	1.1564	50.00	n
13C-PeCB-123	215123600	0.65 y	28:53	0.8688	100.00	n
PeCB-123	162536900	0.59 y	28:54	1.5111	50.00	n
13C-PeCB-118	245223200	0.66 y	29:02	0.9904	100.00	n
PeCB-118/106	190014200	0.59 y	29:03	1.5497	50.00	n
13C-PeCB-114	238819200	0.65 y	29:41	0.9645	100.00	n
PeCB-114	188844900	0.59 y	29:42	1.5815	50.00	n
13C-PeCB-105	218554600	0.65 y	30:34	0.8827	100.00	n
PeCB-105/127	155882200	0.59 y	30:35	1.4265	50.00	n
13C-PeCB-126	216706200	0.65 y	32:30	0.8752	100.00	n
PeCB-126	130429700	0.59 y	32:31	1.2037	50.00	n
13C-OcCB-202	255723000	0.85 y	34:43	-	100.00	n
13C-HxCB-167	215596800	1.26 y	33:35	0.8431	100.00	n
HxCB-167	124009600	1.25 y	33:36	1.1504	50.00	n
13C-HxCB-156	170578000	1.29 y	34:53	0.6670	100.00	n
HxCB-156	124140900	1.27 y	34:54	1.4555	50.00	n
13C-HxCB-157	180842200	1.26 y	35:12	0.7072	100.00	n
HxCB-157	131350200	1.29 y	35:13	1.4526	50.00	n
13C-HxCB-169	185144100	1.26 y	37:05	0.7240	100.00	n
HxCB-169	93867200	1.26 y	37:06	1.0140	50.00	n
13C-HpCB-180	150765500	1.05 y	35:49	0.5896	100.00	n
HpCB-180	95947800	1.12 y	35:50	1.2728	50.00	n
13C-HpCB-170	122011600	1.05 y	37:28	0.4771	100.00	n
HpCB-170/190	96760500	1.10 y	37:29	1.5861	50.00	n
13C-HpCB-189	148558600	1.05 y	39:07	0.5809	100.00	n
HpCB-189	92642400	1.10 y	39:09	1.2472	50.00	n
13C-DeCB-209	113795700	0.72 y	44:04	0.4450	100.00	n
DECB-209	85226100	0.70 y	44:05	1.4979	50.00	n
13C-PeCB-111	311176000	0.65 y	26:50	1.3563	100.00	n

Run #4 Filename 15JA09D9D5 S: 4 I: 1  
 Acquired: 15-JAN-09 22:59:23 Processed: 16-JAN-09 15:15:29  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115C :CS4 09DXN017

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	244688200	0.65 y	25:22	-	100.00	n
13C-TCB-81	225028900	0.77 y	26:58	0.9197	100.00	n
TCB-81	563034000	0.76 y	27:00	1.2510	200.00	n
13C-TCB-77	234441000	0.79 y	27:33	0.9581	100.00	n
TCB-77	517095000	0.76 y	27:34	1.1028	200.00	n
13C-PeCB-123	206159900	0.64 y	28:53	0.8425	100.00	n
PeCB-123	604243000	0.59 y	28:54	1.4655	200.00	n
13C-PeCB-118	235957000	0.65 y	29:02	0.9643	100.00	n
PeCB-118/106	706242000	0.60 y	29:03	1.4965	200.00	n
13C-PeCB-114	228278000	0.65 y	29:41	0.9329	100.00	n
PeCB-114	695511000	0.59 y	29:42	1.5234	200.00	n
13C-PeCB-105	213978600	0.66 y	30:34	0.8745	100.00	n
PeCB-105/127	588578000	0.59 y	30:35	1.3753	200.00	n
13C-PeCB-126	209532200	0.65 y	32:30	0.8563	100.00	n
PeCB-126	485179000	0.60 y	32:31	1.1578	200.00	n
13C-OcCB-202	249730000	0.88 y	34:43	-	100.00	n
13C-HxCB-167	202489900	1.26 y	33:35	0.8108	100.00	n
HxCB-167	514368000	1.27 y	33:36	1.2701	200.00	y
13C-HxCB-156	161737900	1.28 y	34:53	0.6477	100.00	n
HxCB-156	462927000	1.27 y	34:54	1.4311	200.00	n
13C-HxCB-157	166710400	1.24 y	35:12	0.6676	100.00	n
HxCB-157	478186000	1.28 y	35:13	1.4342	200.00	n
13C-HxCB-169	164652600	1.25 y	37:05	0.6593	100.00	n
HxCB-169	333850000	1.27 y	37:06	1.0138	200.00	n
13C-HpCB-180	138296100	1.06 y	35:49	0.5538	100.00	n
HpCB-180	345005000	1.10 y	35:50	1.2473	200.00	n
13C-HpCB-170	113146600	1.05 y	37:28	0.4531	100.00	n
HpCB-170/190	352545000	1.09 y	37:29	1.5579	200.00	n
13C-HpCB-189	136856900	1.04 y	39:07	0.5480	100.00	n
HpCB-189	333672000	1.09 y	39:08	1.2191	200.00	n
13C-DeCB-209	103579600	0.73 y	44:04	0.4148	100.00	n
DECB-209	300002000	0.69 y	44:05	1.4482	200.00	n
13C-PeCB-111	303933000	0.65 y	26:50	1.3747	100.00	n



Run #5 Filename 15JA09D9D5 S: 5 I: 1  
 Acquired: 15-JAN-09 23:50:45 Processed: 16-JAN-09 15:15:30  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115D ;CS5 09DXN018

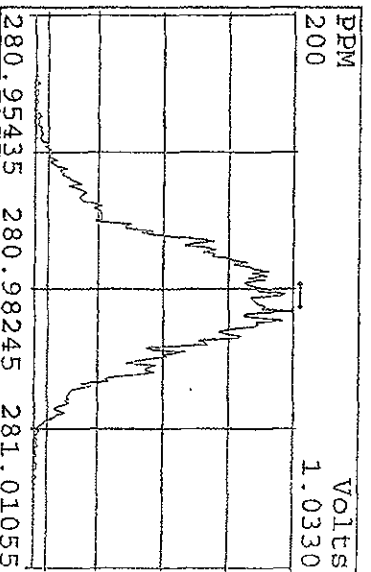
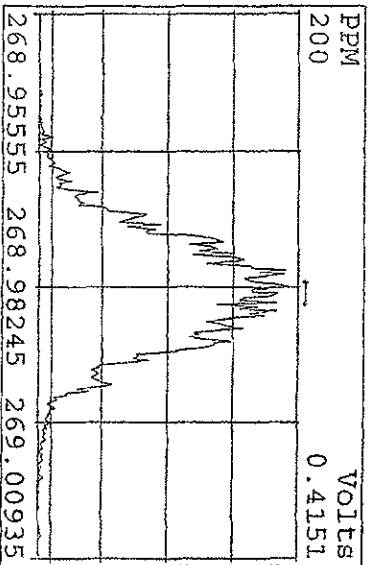
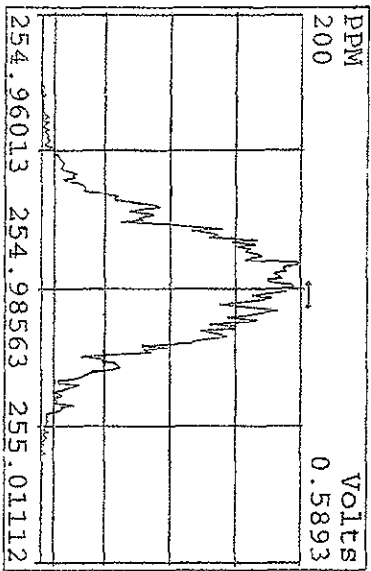
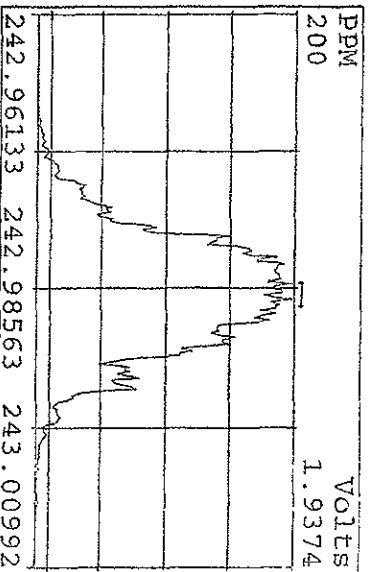
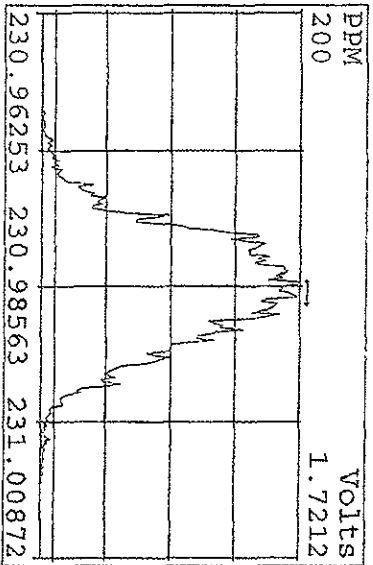
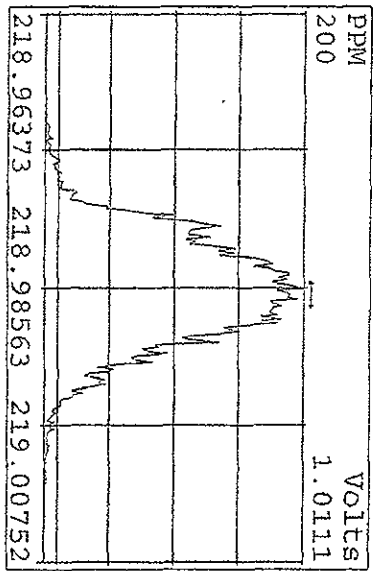
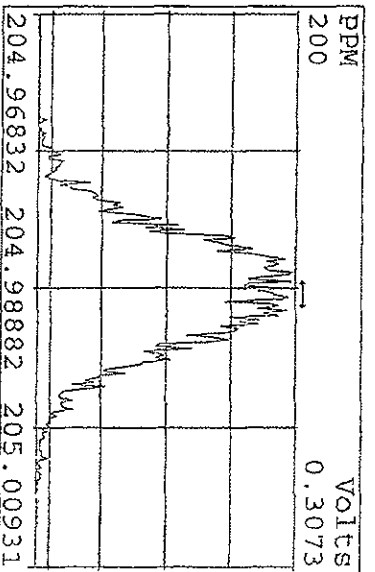
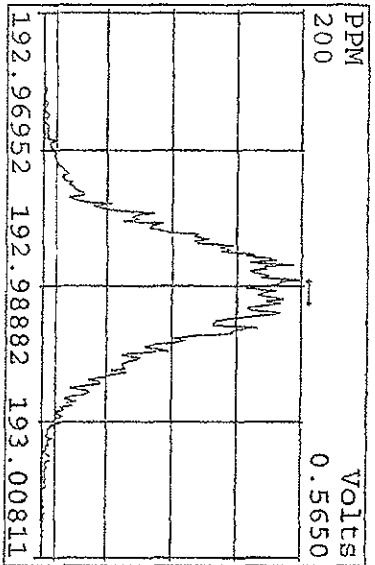
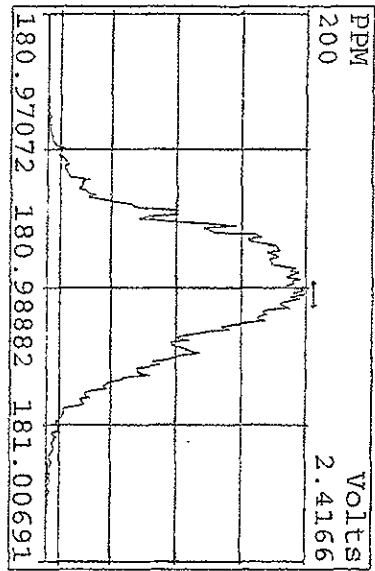
Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	269657000	0.66 y	25:22	-	100.00	n
13C-TCB-81	266360000	0.78 y	26:58	0.9878	100.00	n
TCB-81	1683380000	0.75 y	26:59	1.2640	500.00	n
13C-TCB-77	270360000	0.78 y	27:32	1.0026	100.00	n
TCB-77	1568248000	0.76 y	27:34	1.1601	500.00	n
13C-PeCB-123	246305200	0.67 y	28:52	0.9134	100.00	n
PeCB-123	1812283000	0.59 y	28:53	1.4716	500.00	n
13C-PeCB-118	274268000	0.66 y	29:01	1.0171	100.00	n
PeCB-118/106	2052633000	0.60 y	29:02	1.4968	500.00	n
13C-PeCB-114	274985000	0.66 y	29:40	1.0198	100.00	n
PeCB-114	2107813000	0.59 y	29:41	1.5330	500.00	n
13C-PeCB-105	253776000	0.66 y	30:33	0.9411	100.00	n
PeCB-105/127	1763571000	0.59 y	30:34	1.3899	500.00	n
13C-PeCB-126	267077000	0.65 y	32:28	0.9904	100.00	n
PeCB-126	1593533000	0.59 y	32:30	1.1933	500.00	n
13C-OcCB-202	287841000	0.87 y	34:42	-	100.00	n
13C-HxCB-167	259291000	1.26 y	33:33	0.9008	100.00	n
HxCB-167	1459083000	1.28 y	33:34	1.1254	500.00	y
13C-HxCB-156	208239300	1.29 y	34:52	0.7235	100.00	n
HxCB-156	1478482000	1.28 y	34:53	1.4200	500.00	n
13C-HxCB-157	218180700	1.26 y	35:11	0.7580	100.00	n
HxCB-157	1543594000	1.27 y	35:12	1.4150	500.00	n
13C-HxCB-169	236681000	1.26 y	37:03	0.8223	100.00	n
HxCB-169	1200567000	1.27 y	37:04	1.0145	500.00	n
13C-HpCB-180	175051700	1.04 y	35:48	0.6082	100.00	n
HpCB-180	1077386000	1.09 y	35:49	1.2309	500.00	n
13C-HpCB-170	145642800	1.05 y	37:28	0.5060	100.00	n
HpCB-170/190	1124352000	1.08 y	37:29	1.5440	500.00	n
13C-HpCB-189	189236300	1.05 y	39:06	0.6574	100.00	n
HpCB-189	1158078000	1.09 y	39:07	1.2239	500.00	n
13C-DeCB-209	146952700	0.73 y	44:04	0.5105	100.00	n
DECB-209	1100843000	0.70 y	44:04	1.4982	500.00	n
13C-PeCB-111	333490000	0.65 y	26:50	1.2712	100.00	n

.ca file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
15JA09D9D5	1	ST0115	CS1 09DXN014				1.00000	
15JA09D9D5	2	ST0115A	CS2 09DXN015				1.00000	
15JA09D9D5	3	ST0115B	CS3 09DXN016				1.00000	
15JA09D9D5	4	ST0115C	CS4 09DXN017				1.00000	
15JA09D9D5	5	ST0115D	CS5 09DXN018				1.00000	
15JA09D9D5	6	SB0115	Solvent Blank C-12				1.00000	
15JA09D9D5	7	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	8	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	9	SB0115A	Solvent Blank C-12				1.00000	
15JA09D9D5	10	K5GRK-1-AC	G9A060000-171C	20	1668/WATER	51	1.00000	L
15JA09D9D5	11	QC09DXN057	Daily IS 09DXN057	20	1668	QC49	1.00000	
15JA09D9D5	12	K44WC-1-AC	G8L210000-51C	20	1668A/SOLID	42	10.00000	g
15JA09D9D5	13	K44WC-1-AA	G8L210000-51B	20	1668A/SOLID		10.00000	g
15JA09D9D5	14	K31R7-1-AA	D8L030334-1 (20X)	20	1668A/SOLID		10.19000	g
15JA09D9D5	15	K31R7-1-AD	D8L030334-1S (20X)	20	1668A/SOLID		10.01000	g
15JA09D9D5	16	SB0115B	Solvent Blank C-12				1.00000	
15JA09D9D5	17	K4047-1-AH	G8L180296-2	20	1668/SOLID	43	10.32500	g
15JA09D9D5	18	K4047-1-AH	G8L180296-2 RI	20	1668/SOLID	43	10.22500	g
15JA09D9D5	19	K4048-1-AH	G8L180296-3	20	1668/SOLID		10.35400	g
15JA09D9D5	20	K4049-1-AH	G8L180296-4	20	1668/SOLID		10.17000	g
15JA09D9D5	21	K405A-1-AH	G8L180296-5	20	1668/SOLID		10.25250	g
15JA09D9D5	22	K405E-1-AH	G8L180296-7	20	1668/SOLID		10.13000	g
15JA09D9D5	23	SB0115C	Solvent Blank C-12				1.00000	
JA09D9D5	24	ST0115H	CS3 09DXN016				1.00000	
15JA09D9D5	25	ST0115G	209PCB 3249-47				1.00000	
15JA09D9D5	26	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	27	K4047-1-AH	G8L180296-2 (10X)	20	1668/SOLID	43	10.32500	g
15JA09D9D5	28	K4048-1-AH	G8L180296-3 (10X)	20	1668/SOLID		10.35400	g
15JA09D9D5	29	K4049-1-AH	G8L180296-4 (10X)	20	1668/SOLID		10.17000	g
15JA09D9D5	30	K405A-1-AH	G8L180296-5 (10X)	20	1668/SOLID		10.25250	g
15JA09D9D5	31	K405E-1-AH	G8L180296-7 (10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	32	K405H-1-AH	G8L180296-9 (10X)	20	1668/SOLID		10.15000	g
15JA09D9D5	33	K405H-1-AJ	G8L180296-9S (10X)	20	1668/SOLID		10.12000	g
15JA09D9D5	34	K405H-1-AK	G8L180296-9D (10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	35	K405K-1-AH	G8L180296-10 (10X)	20	1668/SOLID		10.02000	g
15JA09D9D5	36	K4046-1-AA	G8L180296-1	20	1668/SOLID		0.98080	L
15JA09D9D5	37	K405D-1-AA	G8L180296-6	20	1668/SOLID		0.97690	L
15JA09D9D5	38	K405G-1-AA	G8L180296-8	20	1668/SOLID		0.94740	L
15JA09D9D5	39	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	40	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g
15JA09D9D5	41	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	42	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	43	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	44	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	45	K4584-1-AA	G8L22000-581MB	20	1668/SOLID		1.00000	L
15JA09D9D5	46	K4584-1-AC	G8L22000-581LCS	20	1668/SOLID		1.00000	L
15JA09D9D5	47	????????	G8L050343-1	20	1668/SOLID		10.00000	
15JA09D9D5	48	K4585-1-AA	G8L220000-582MB	20	1668A/SOLID		10.00000	g
JA09D9D5	49	K4585-1-AC	G8L220000-582LCS	20	1668A/SOLID		10.00000	g
JA09D9D5	50	K31R7-1-AE	D8L030334-1D (20X)	20	1668/SOLID		10.28000	g
15JA09D9D5	51	K31TA-1-AA	D8L030334-2 (20X)	20	1668/SOLID		10.09000	g
15JA09D9D5	52	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	53	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g

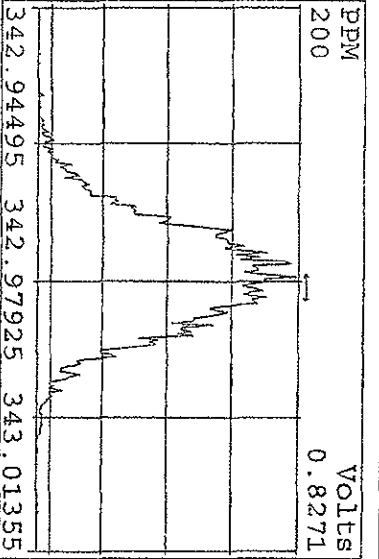
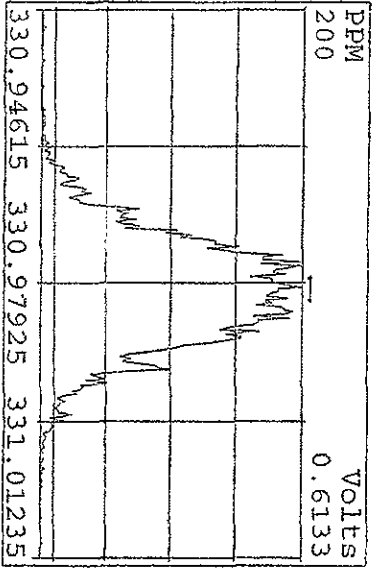
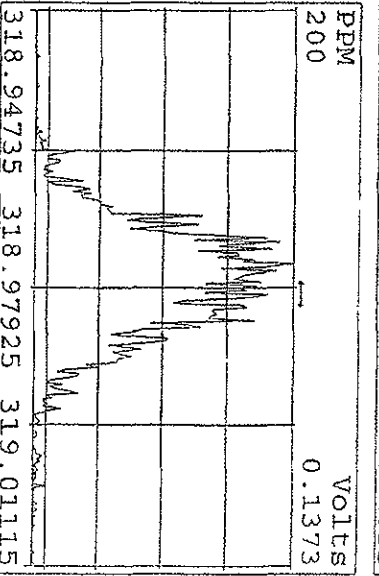
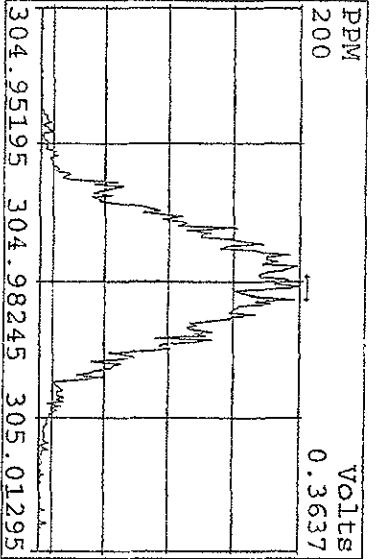
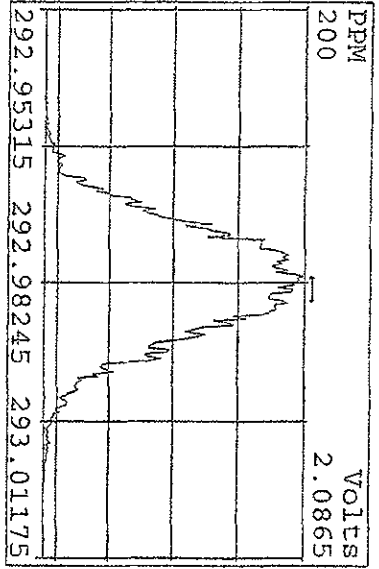
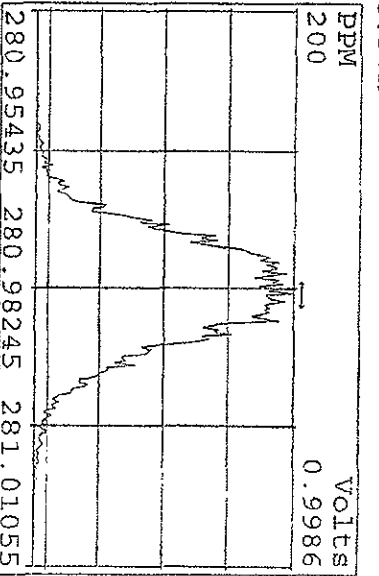
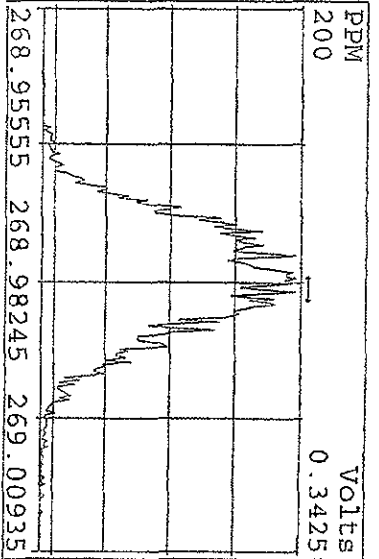
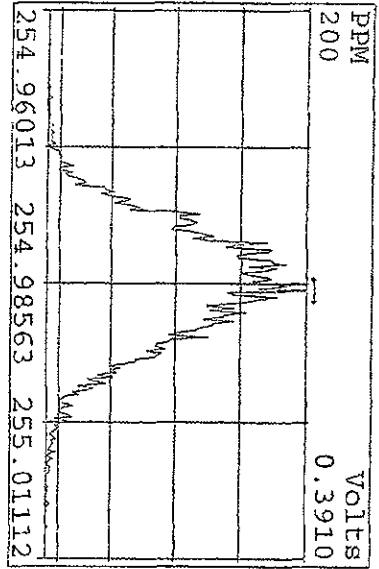
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15JA09D9D5	56			1.00000
15JA09D9D5	57			1.00000
JA09D9D5	58			1.00000
.JA09D9D5	59			1.00000
15JA09D9D5	60			1.00000
15JA09D9D5	59		AM/KAS 01-15-09	1.00000
15JA09D9D5	60			1.00000

log file checked  
1-16-09 am

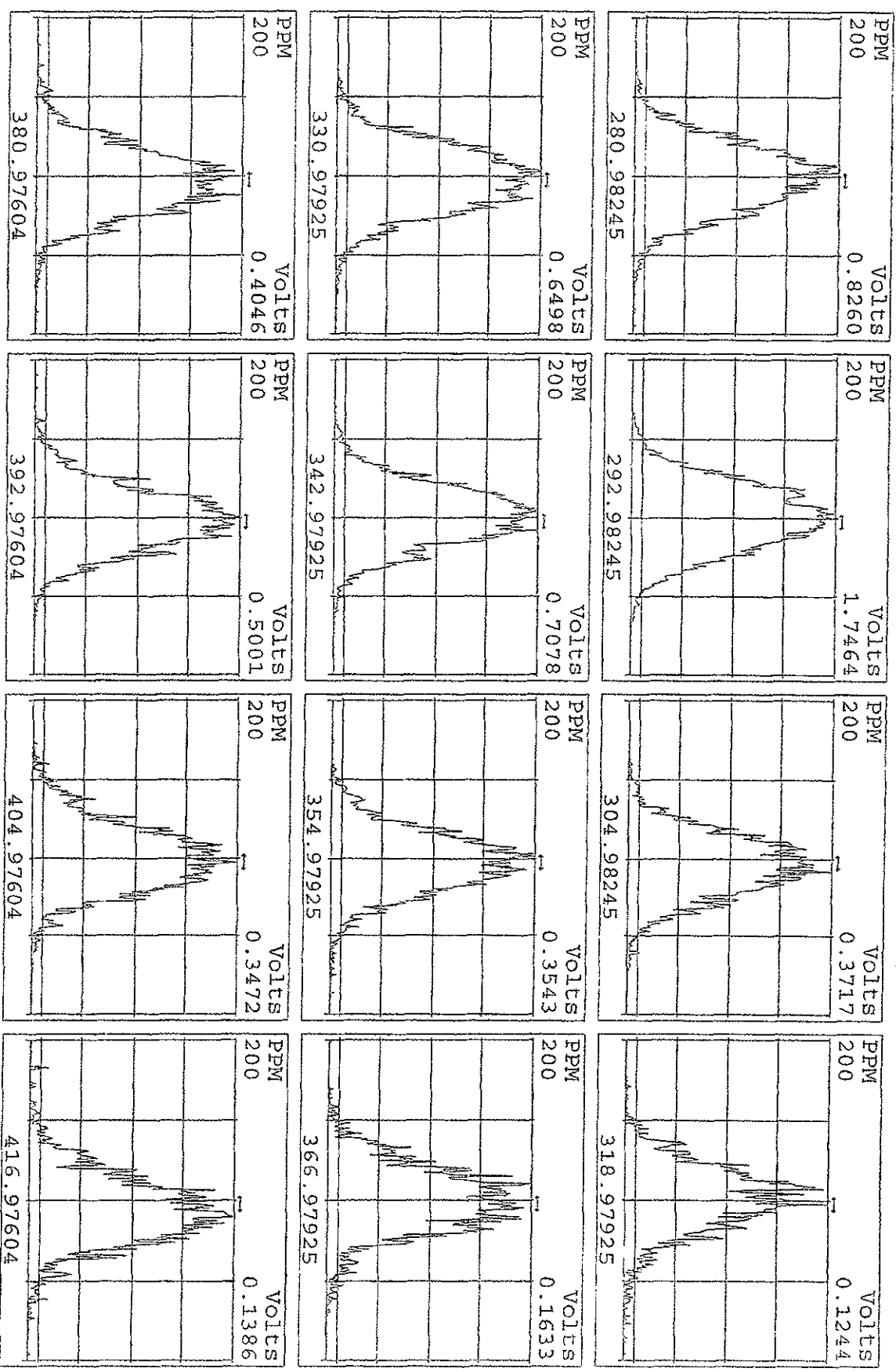
Peak Locate Examination:15-JAN-2009:20:20 File:15JA09D9D5  
 Experiment:209DB5 Function:1 Reference:PRK



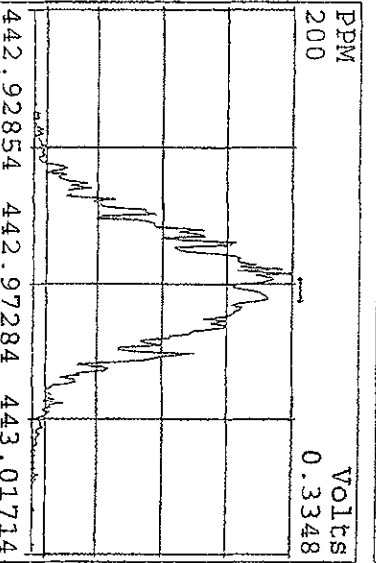
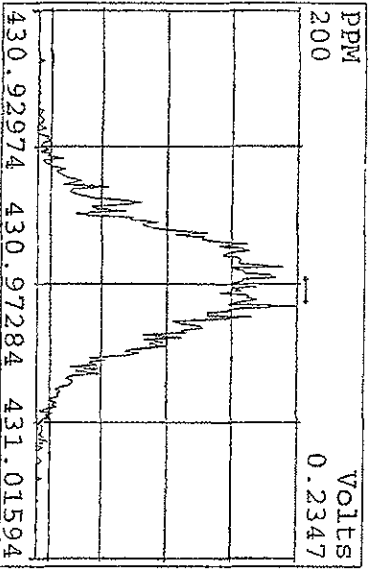
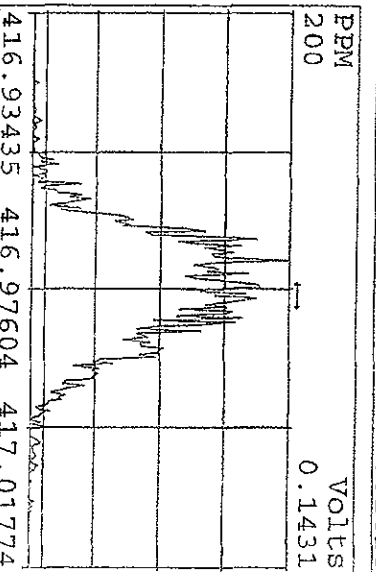
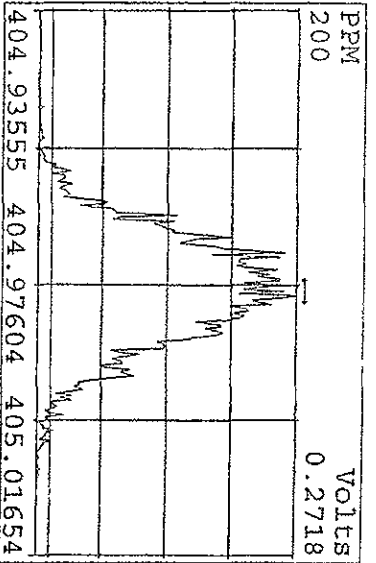
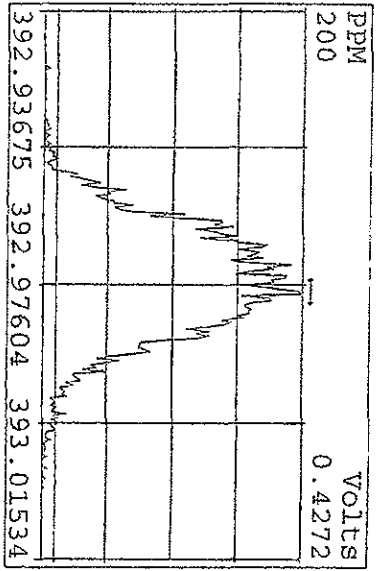
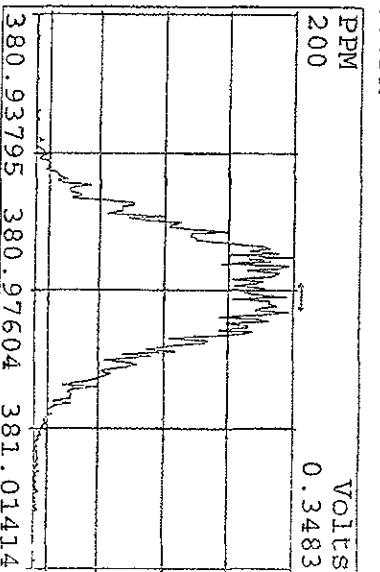
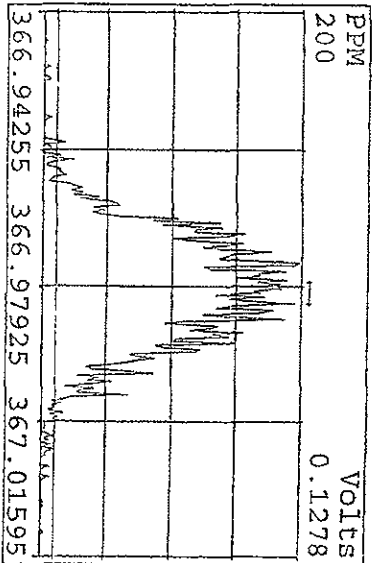
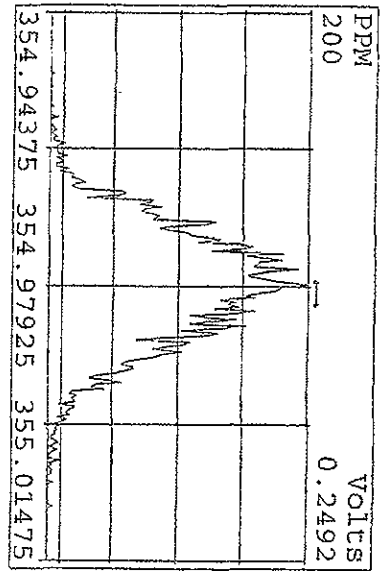
Peak Locate Examination: 15-JAN-2009: 20:21 File: 15JA09D9D5  
 Experiment: 209DB5 Function: 2 Reference: PRK



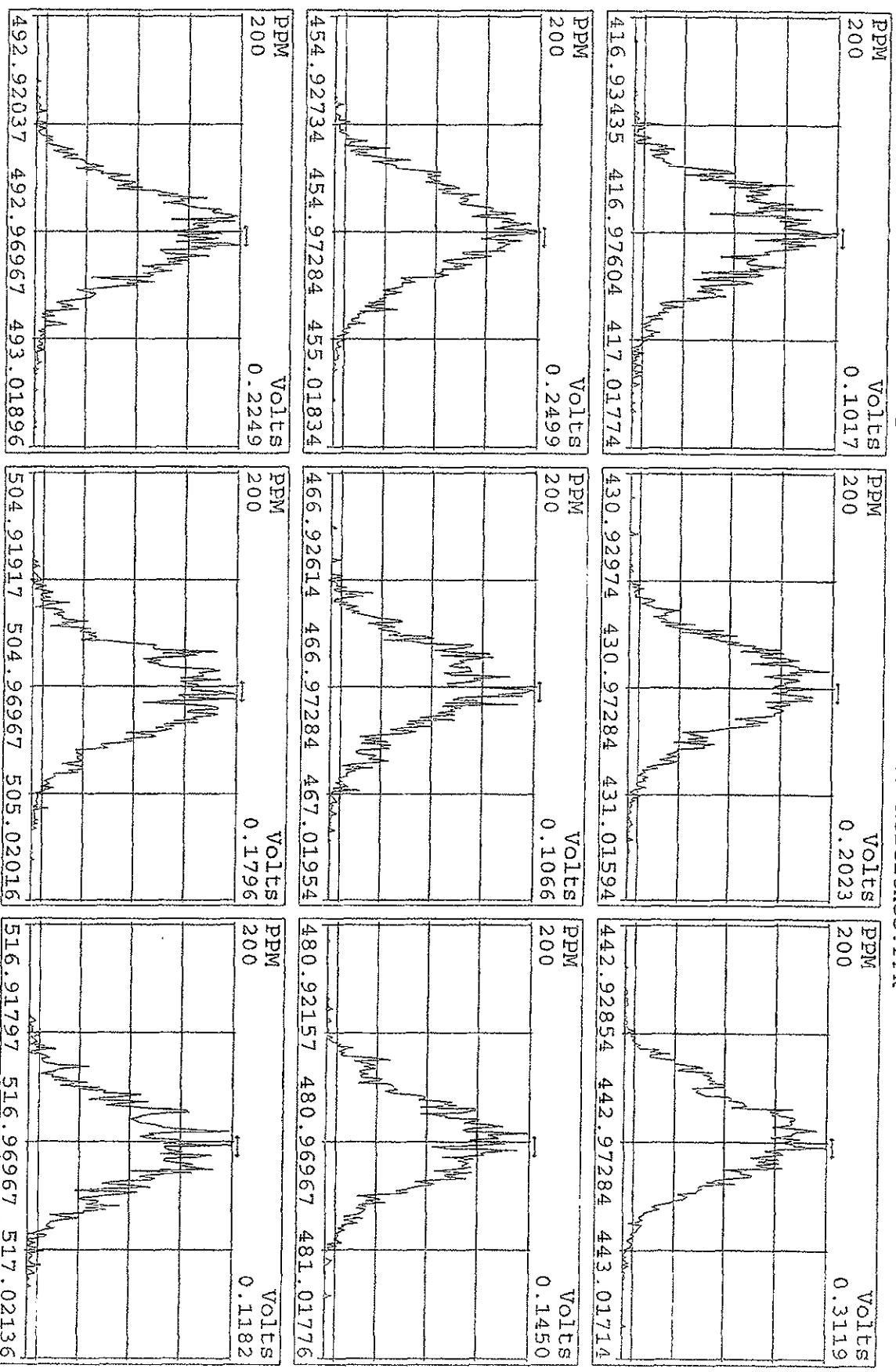
Peak Locate Examination: 15-JAN-2009: 20:22 File: 15JA09D9D5  
Experiment: 209DB5 Function: 3 Reference: PFK



Peak Locate Examination:15-JAN-2009:20:23 File:15JA09D9D5  
 Experiment:209DB5 Function:4 Reference:PFK

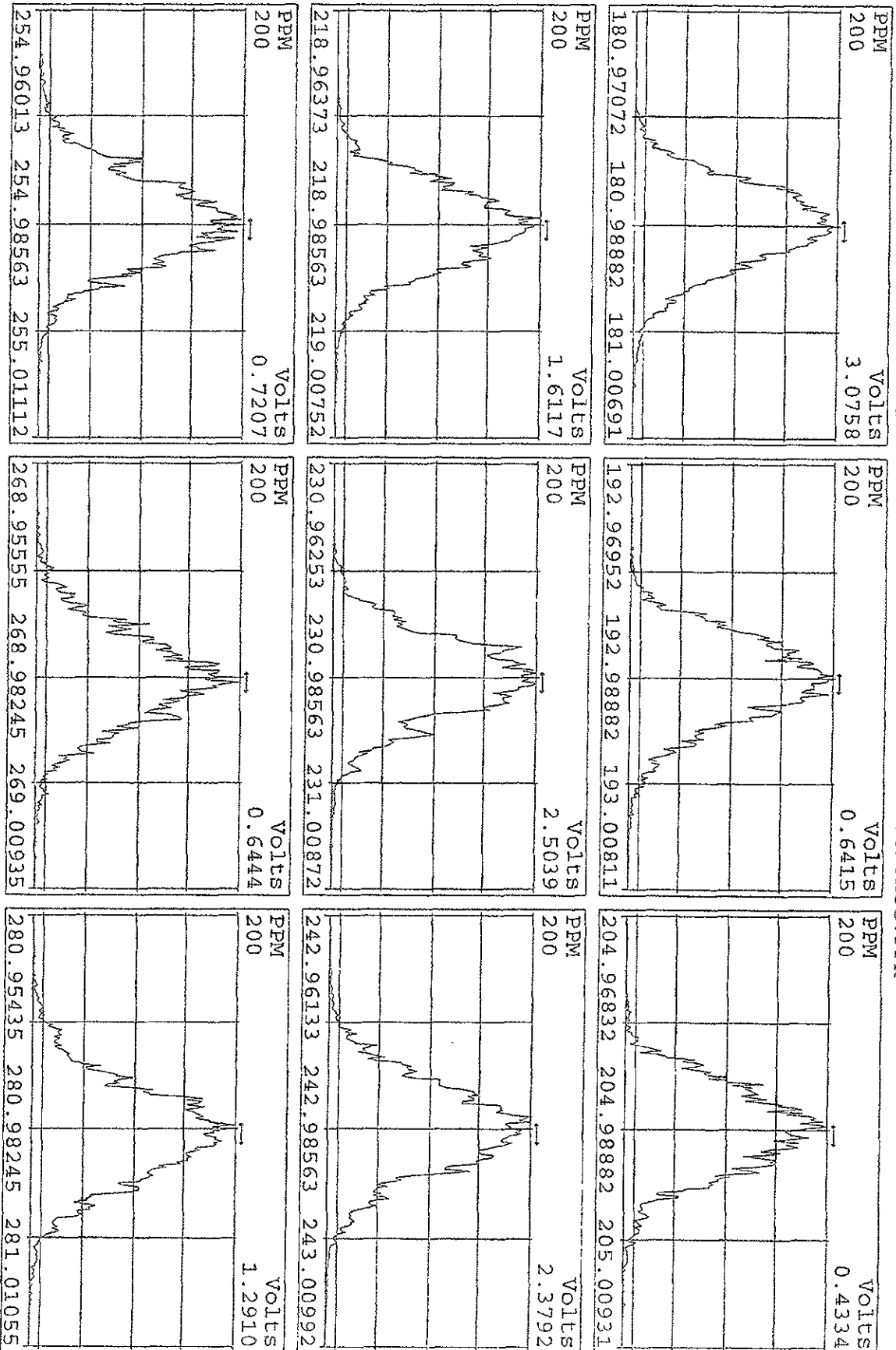


Peak Locate Examination:15-JAN-2009:20:23 File:15JA09D9D5  
 Experiment:209DB5 Function:5 Reference:PRK

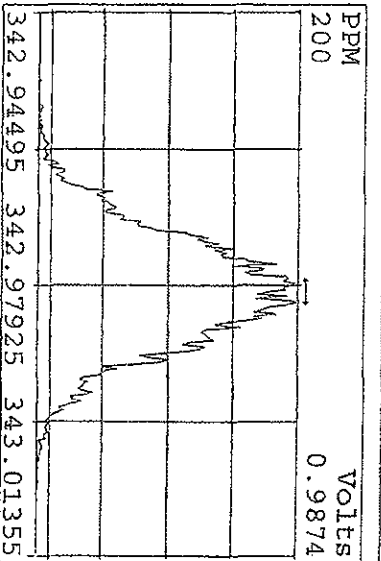
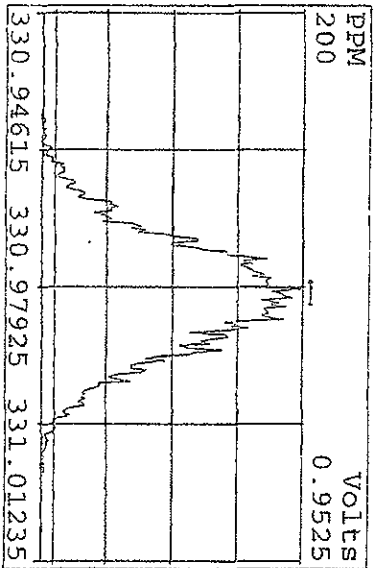
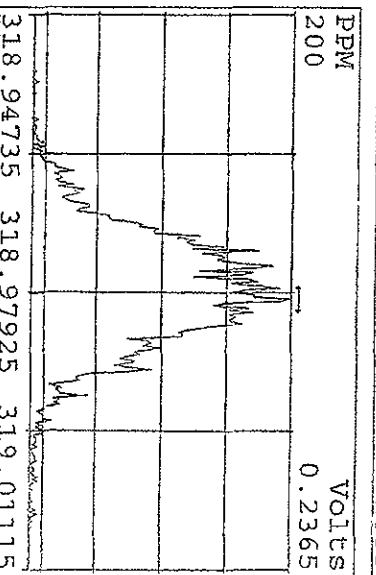
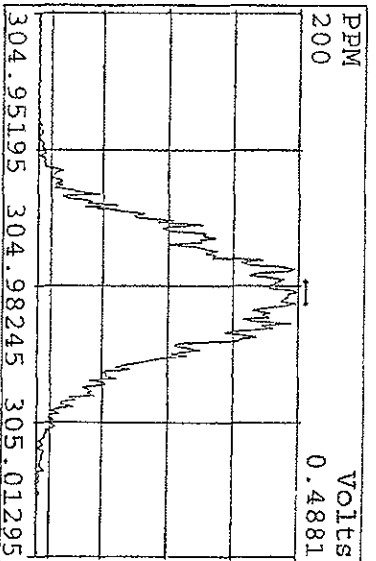
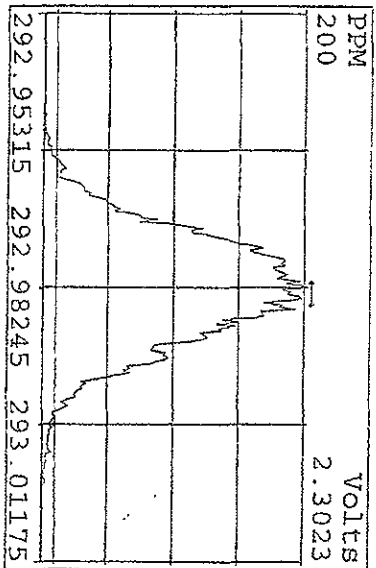
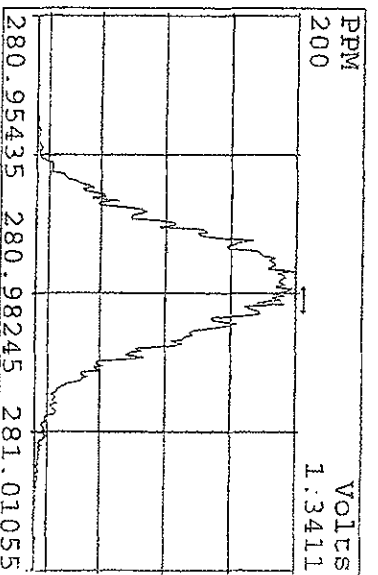
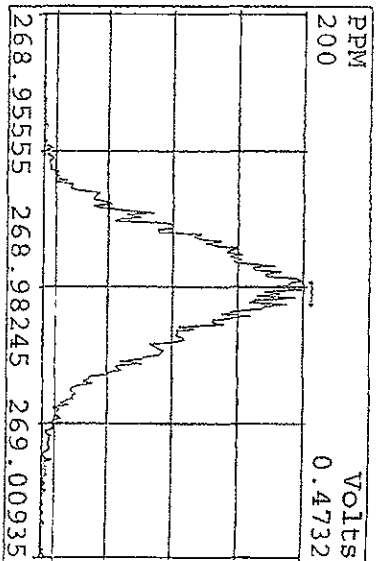
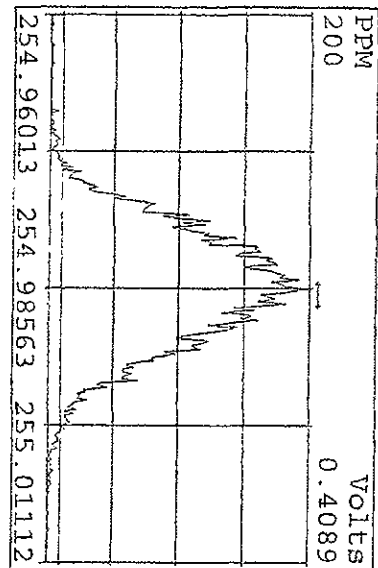




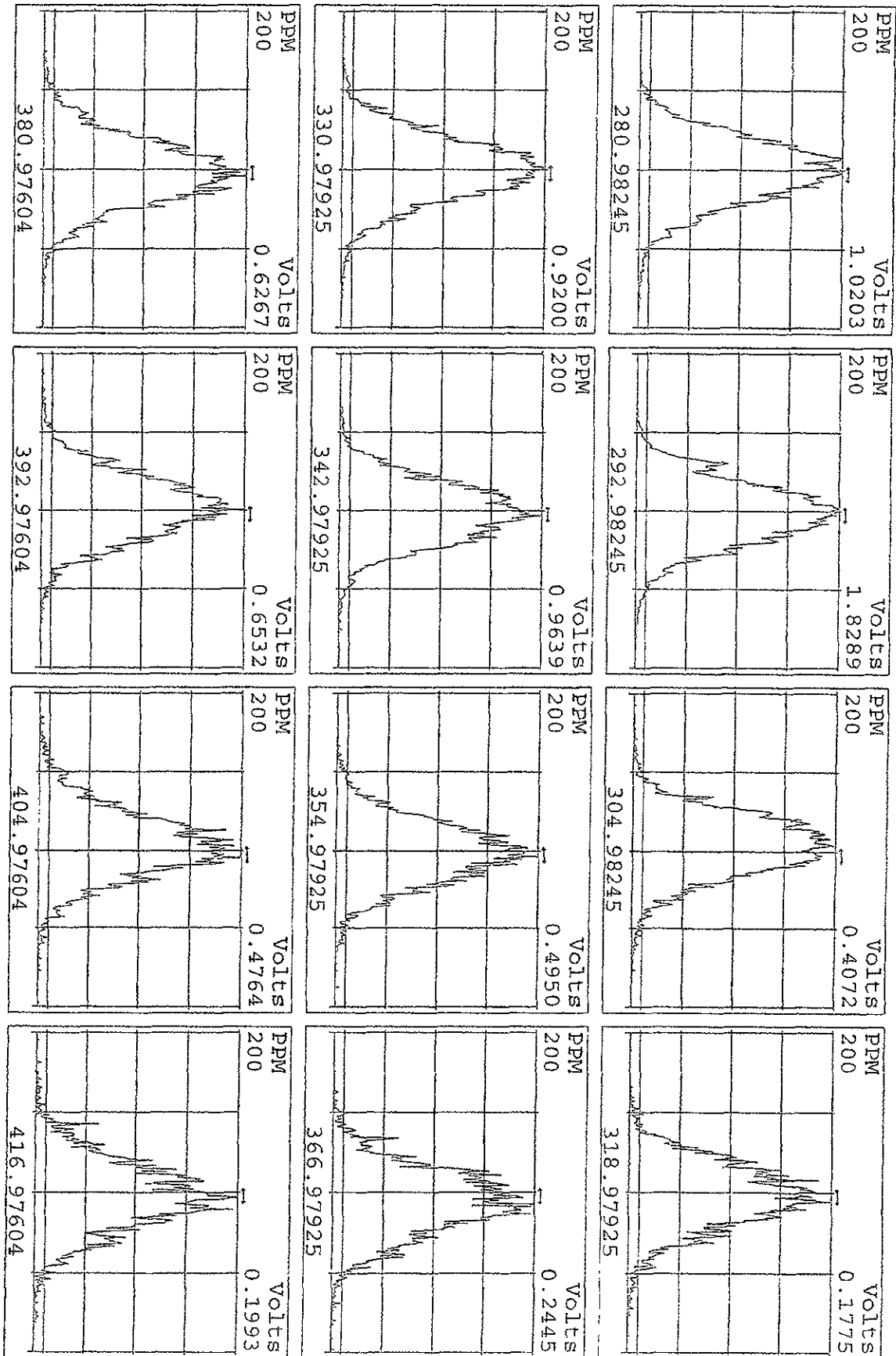
Peak Locate Examination: 16-JAN-2009: 18:46 File: RESCHK15JA09D9D5  
 Experiment: 209DB5 Function: 1 Reference: PFK



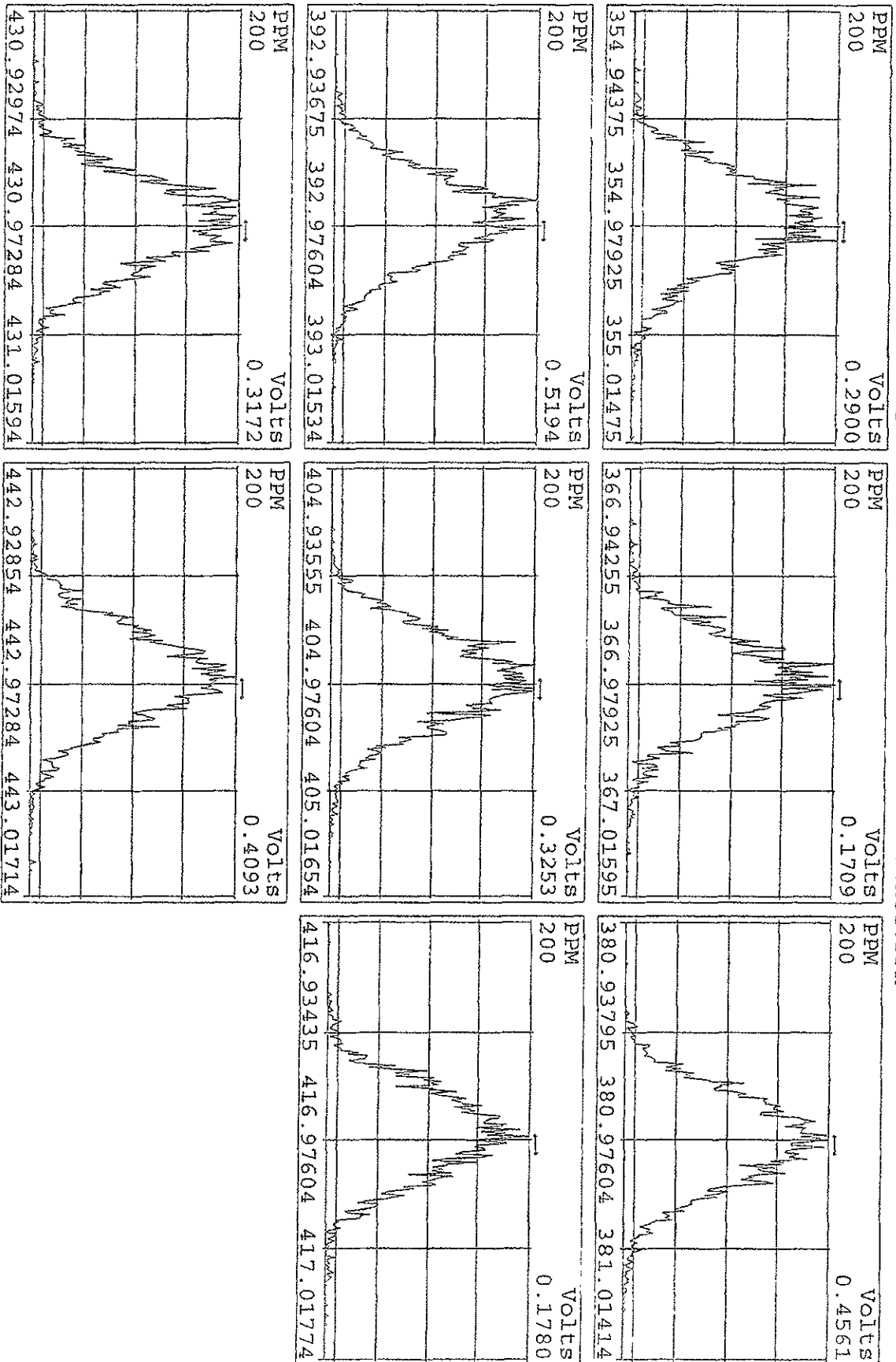
Peak Locate Examination: 16-JAN-2009: 18:47 File: RESCHK15JA09D9D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



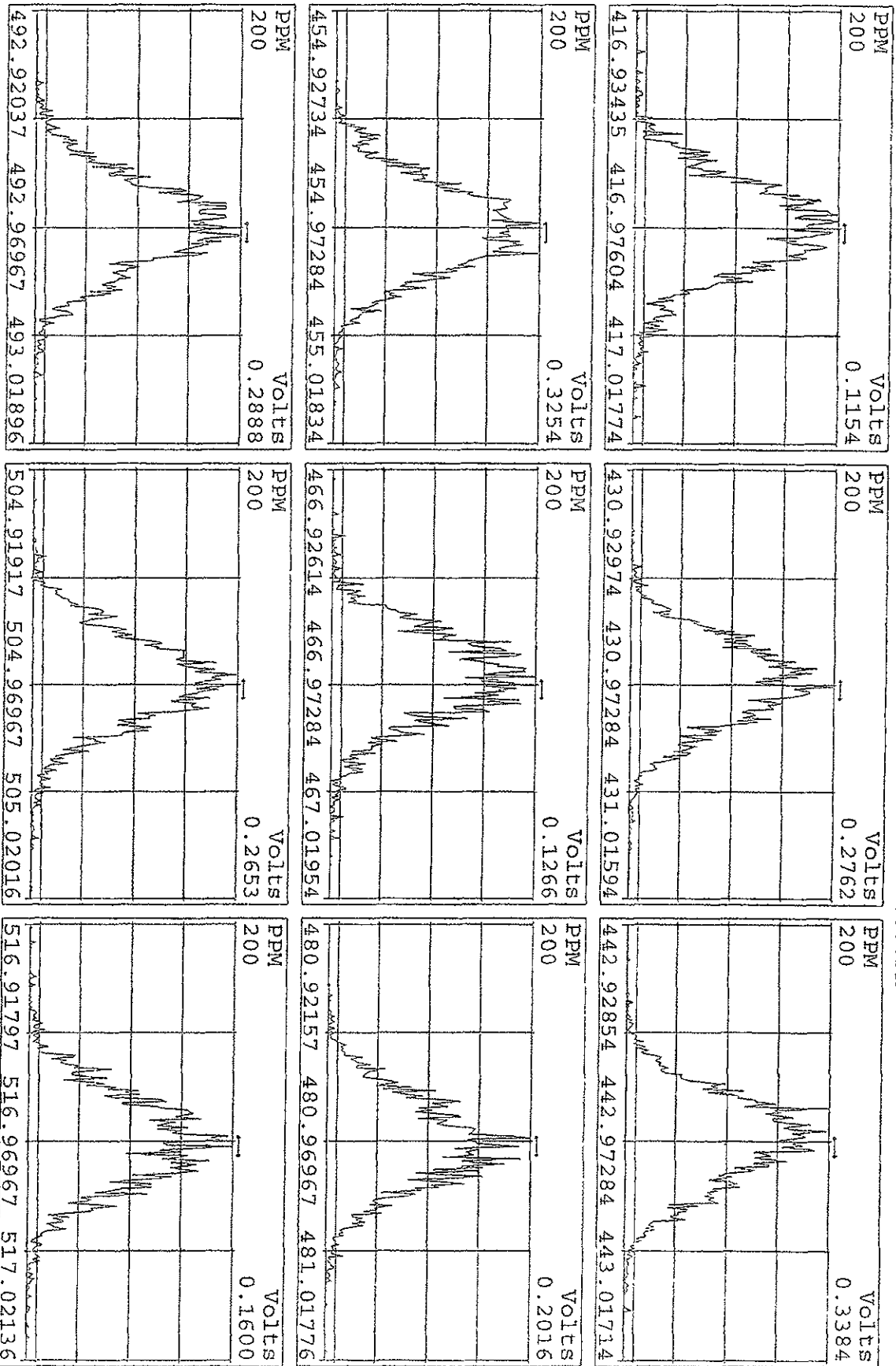
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Experiment: 209DB5 Function: 3 Reference: PK



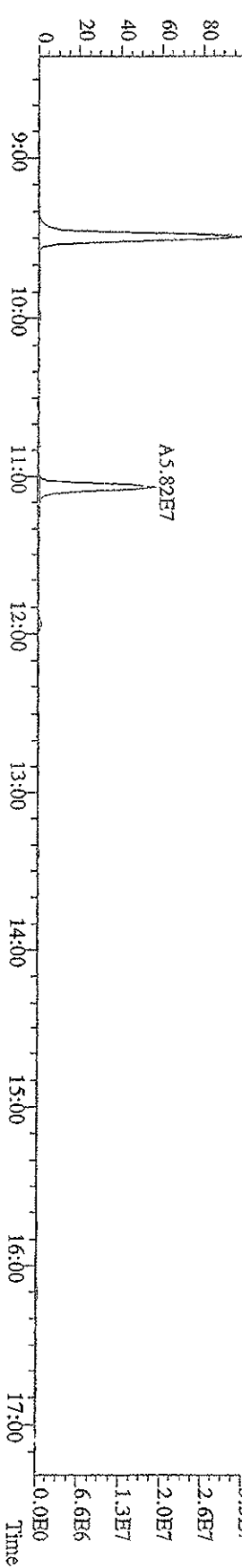
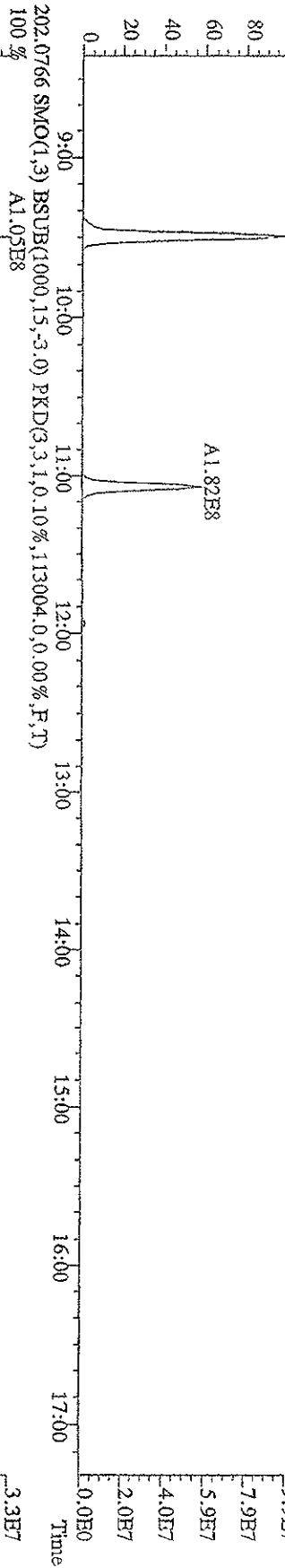
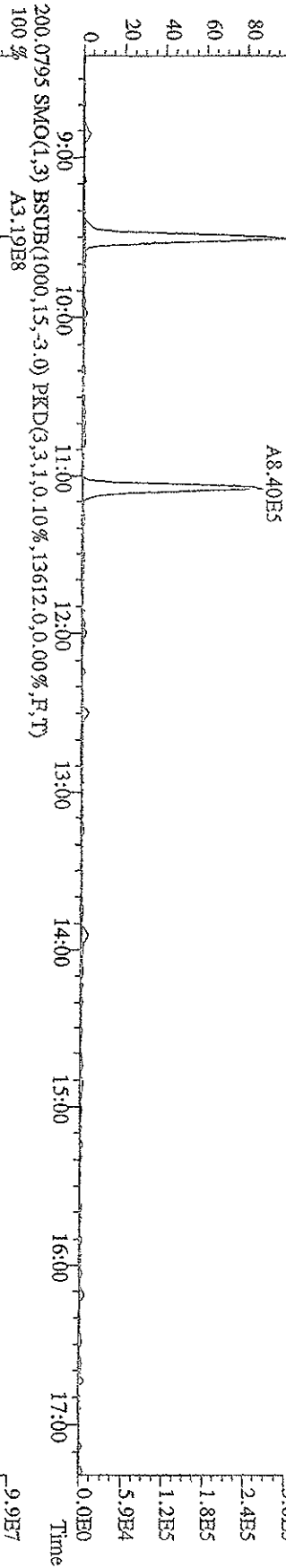
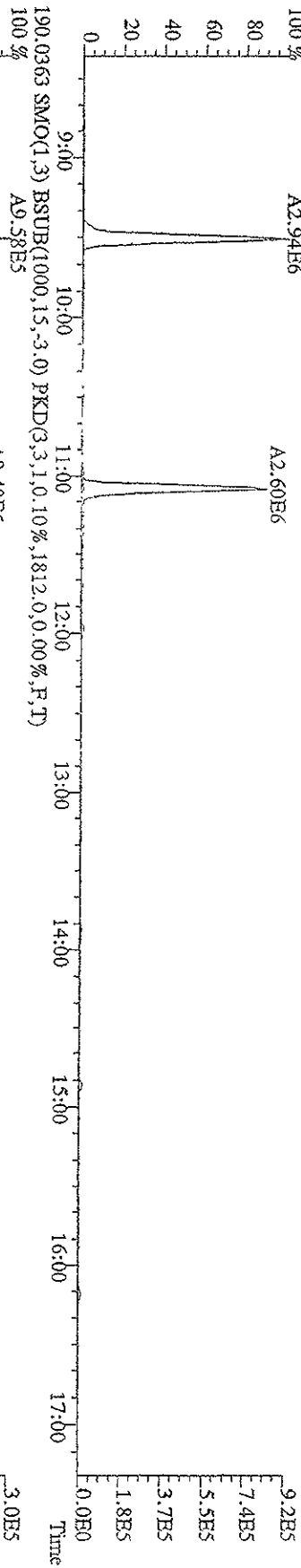
Peak Locate Examination:16-JAN-2009:18:48 File:RESCHK15JA09D9D5  
 Experiment:209DB5 Function:4 Reference:PK



Peak Locate Examination: 16-JAN-2009: 18: 49 File: RESCHK15JA09D9DS  
 Experiment: 209DB5 Function: 5 Reference: PFK

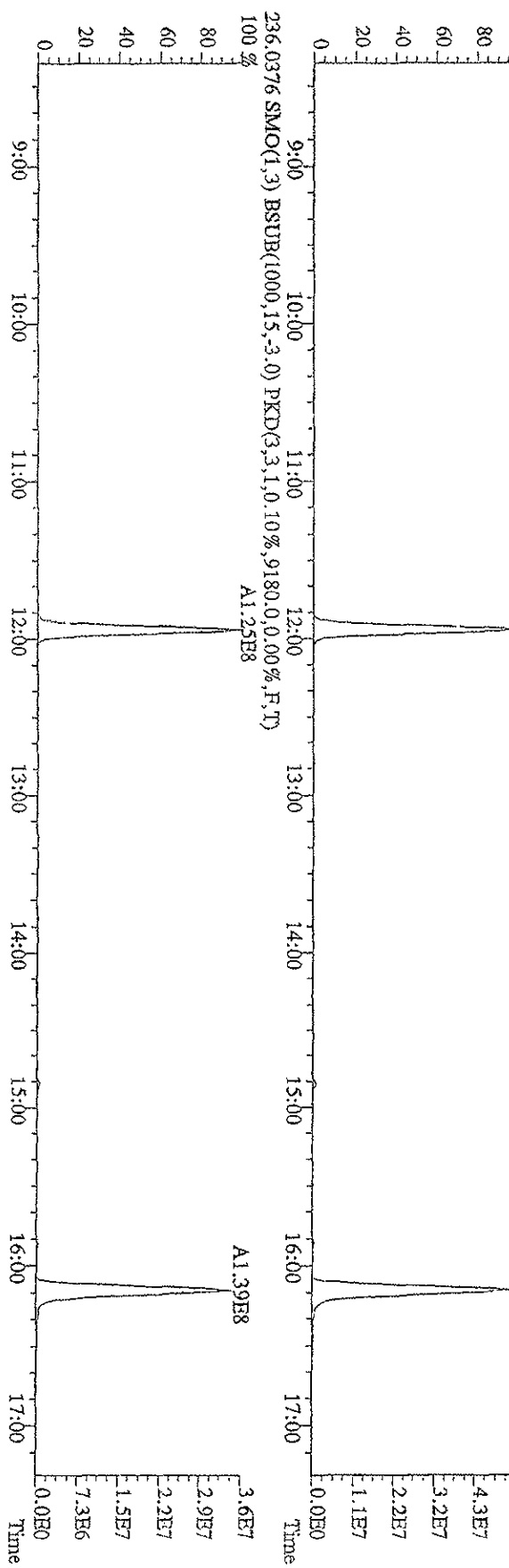
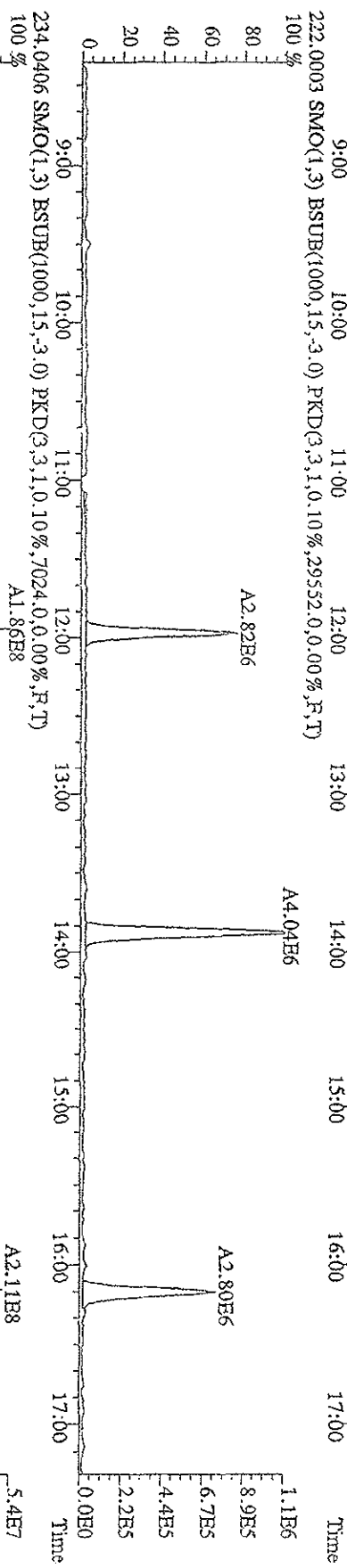
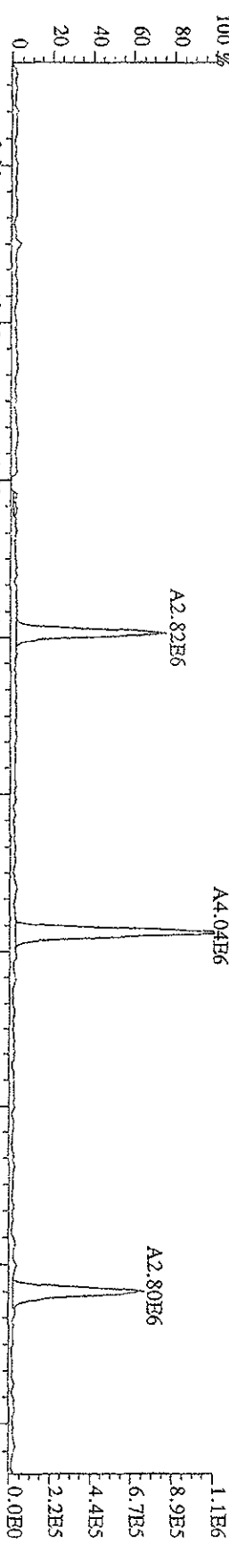


File: 151A09D9D5 #1-608 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0115 :CSI 09DXN014 Exp: 209DB5  
 188.0393 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3576,0,0.00%,F,T)  
 100%

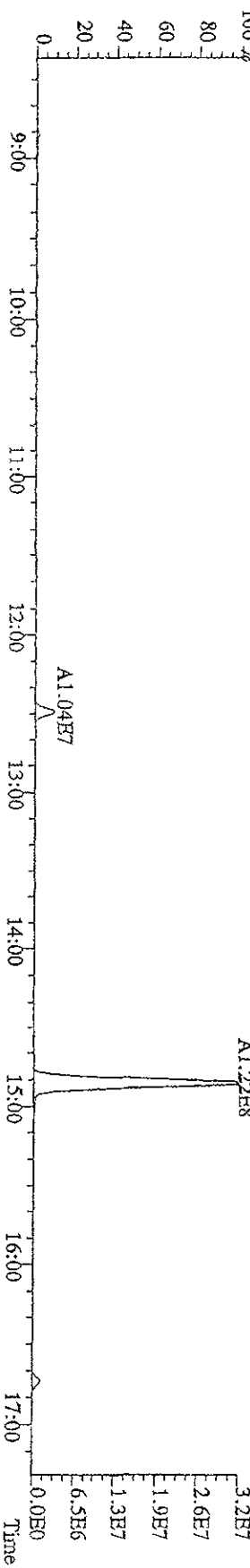
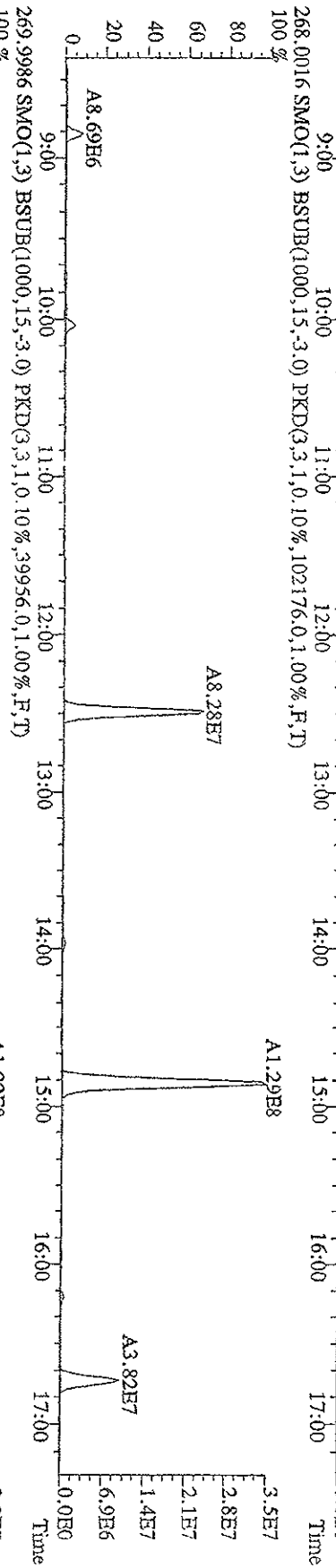
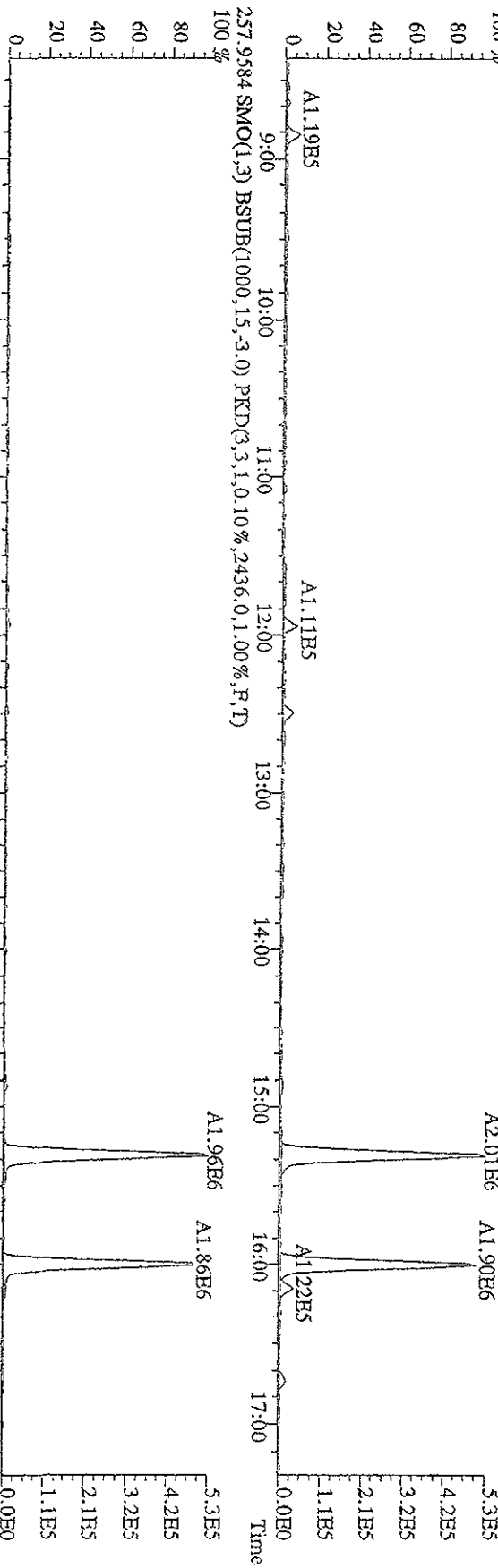


Title: 151A09D9D5 #1-608 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-Ultimate

Sample#1 Text: ST0115 : CSI 09DXN014 Exp: 209DB5



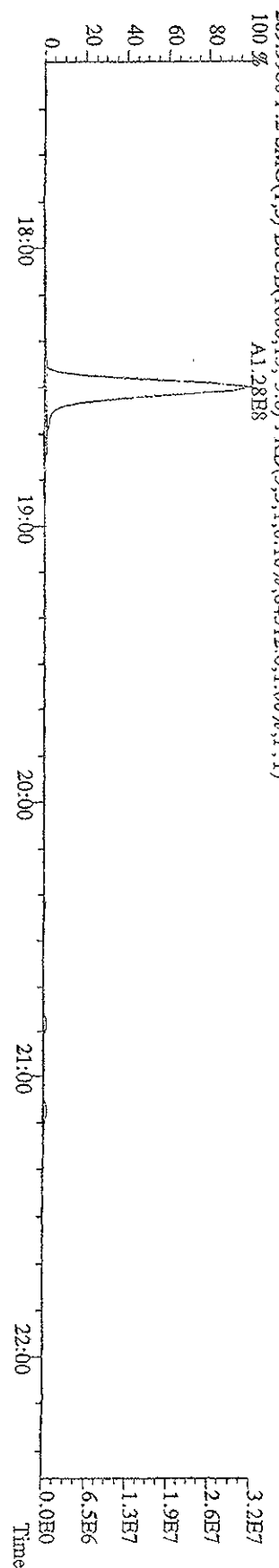
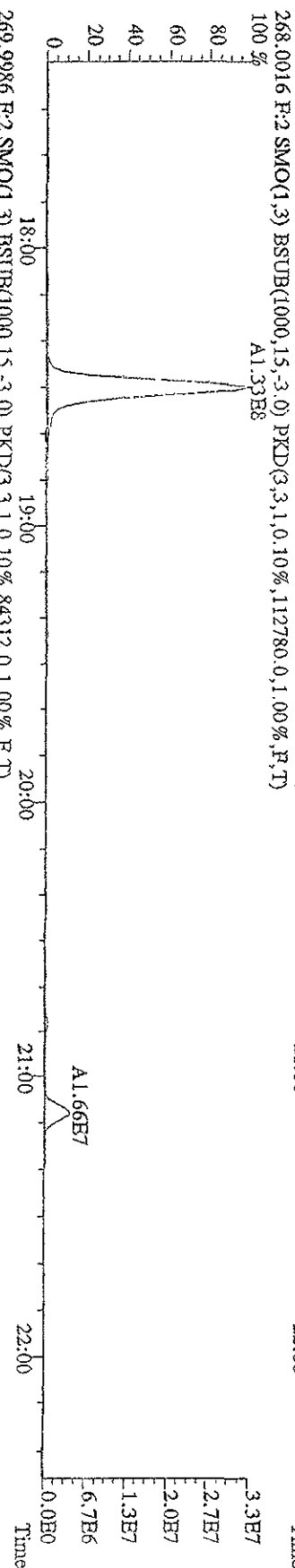
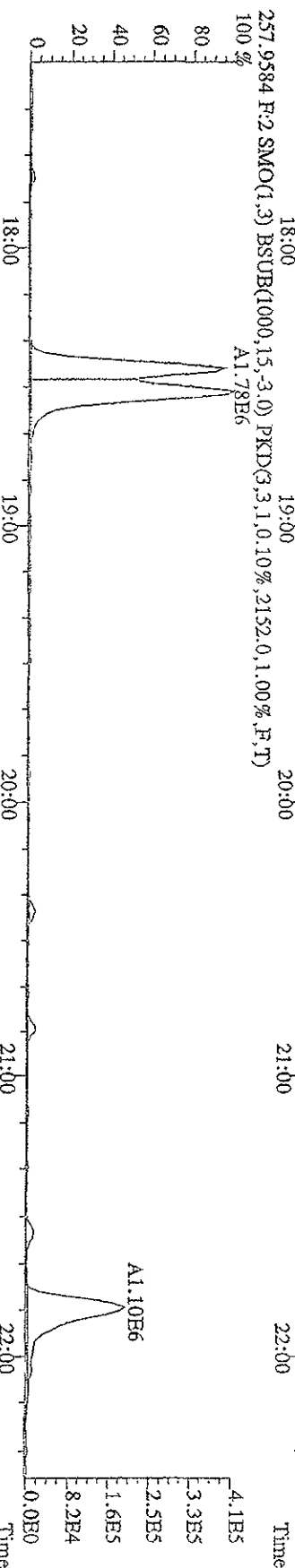
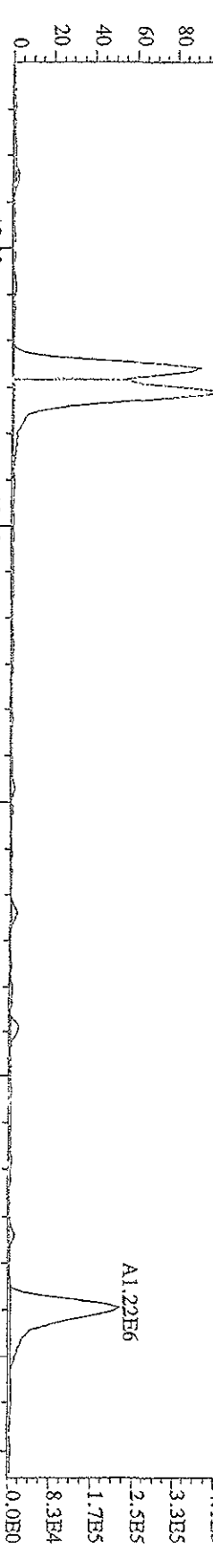
File: 151A09D9D5 #1-608 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#1 Text: ST0115 : CSI 09DXN014 Exp: 209DB5  
 257.9584 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2436,0,1.00%,F,T)  
 269.9986 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,39956,0,1.00%,F,T)



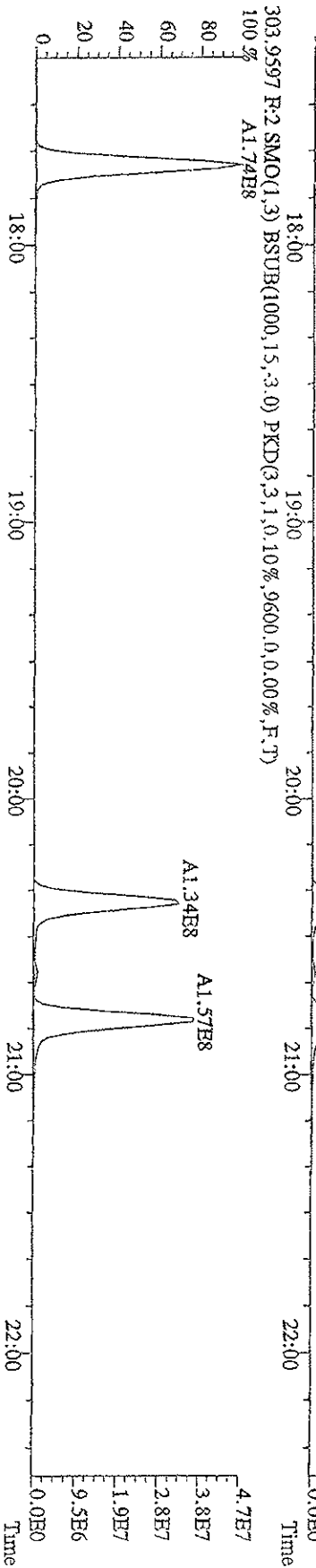
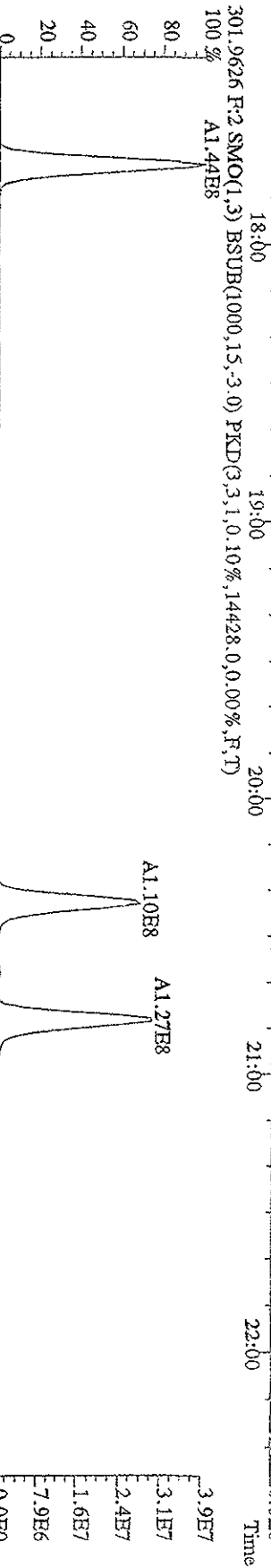
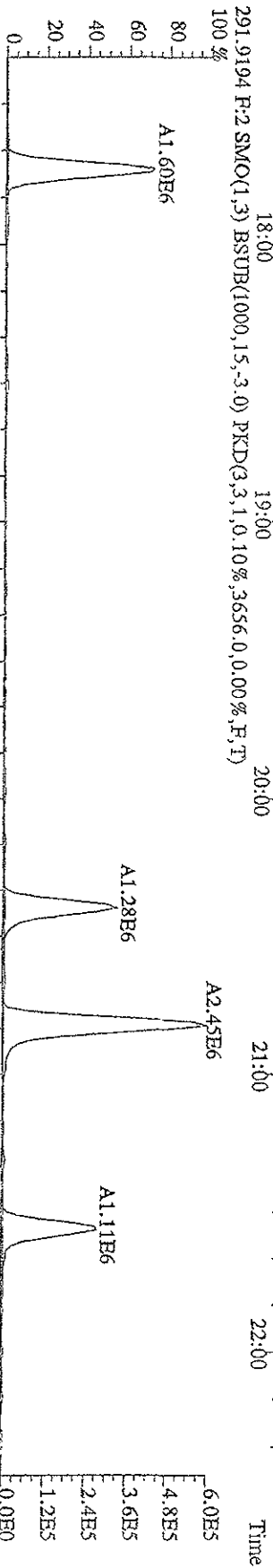
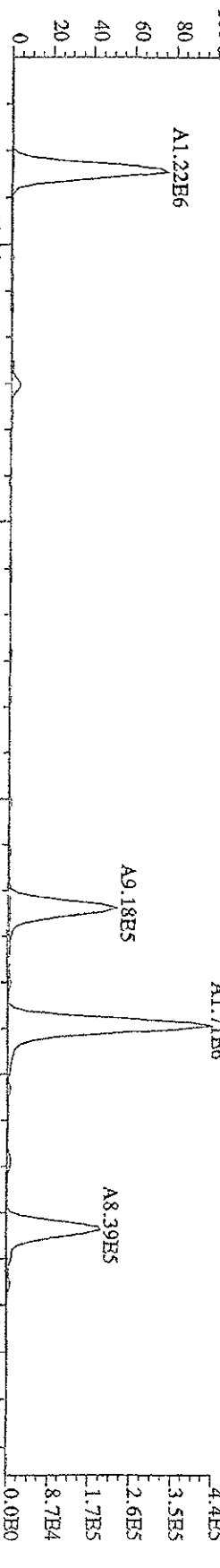


File: 151A09D9D5 #1-372 Acq: 15-JAN-2009 20:25:19 GC FI+ Voltage STR Autospec-UltimaB

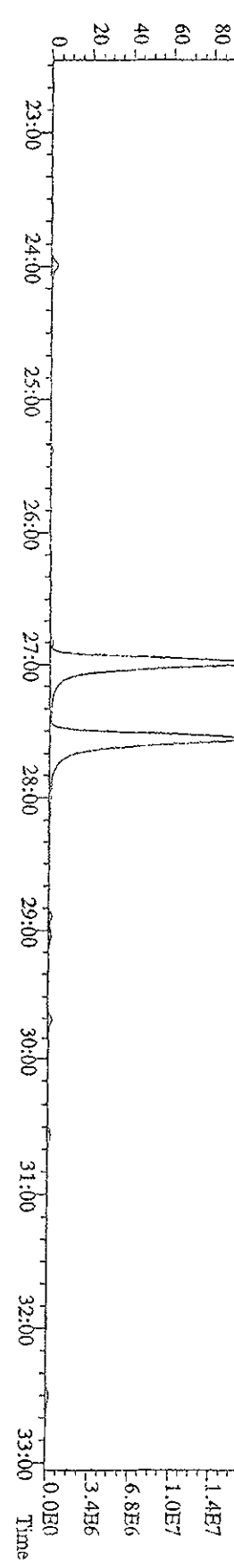
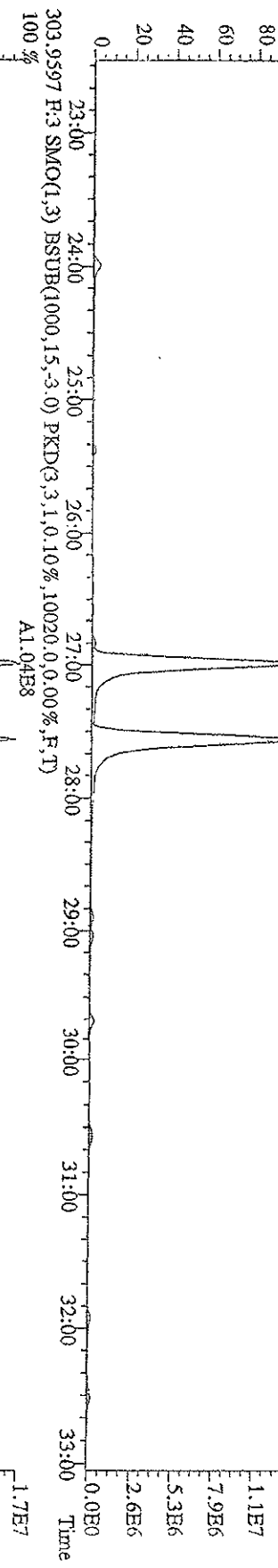
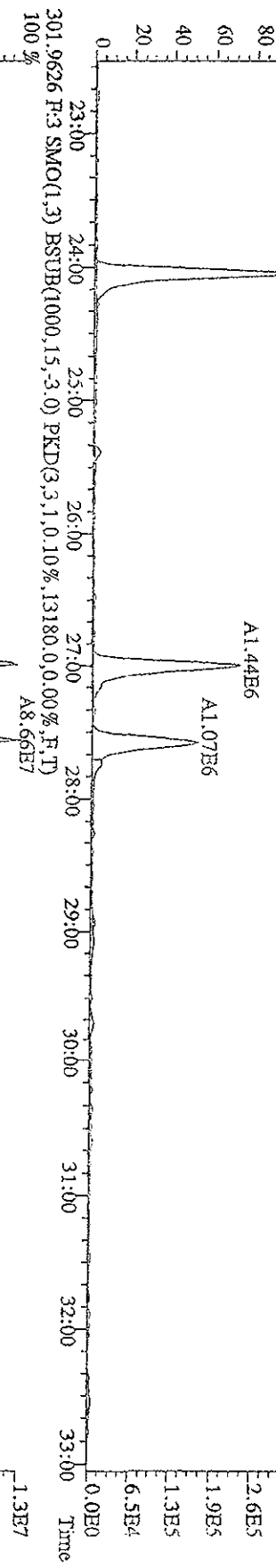
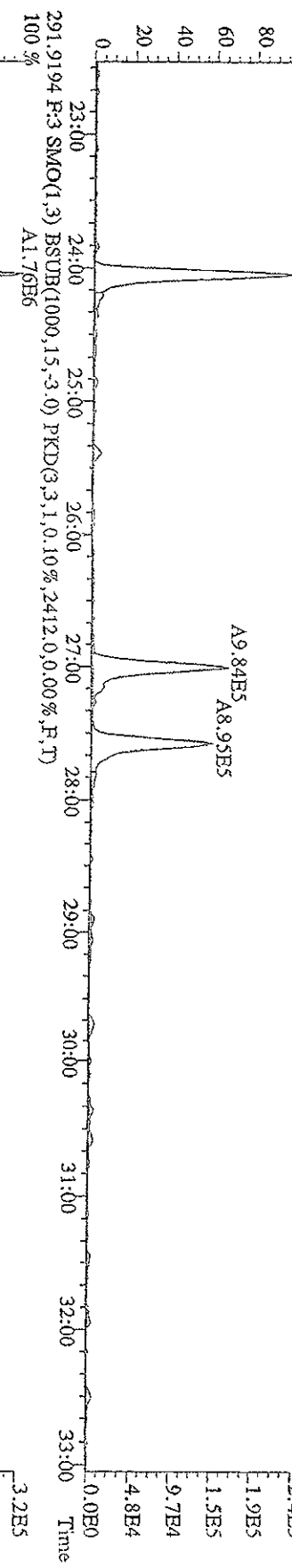
Sample #1 Text: ST0115 : CSI 09DXN014 Exp: 209DB5



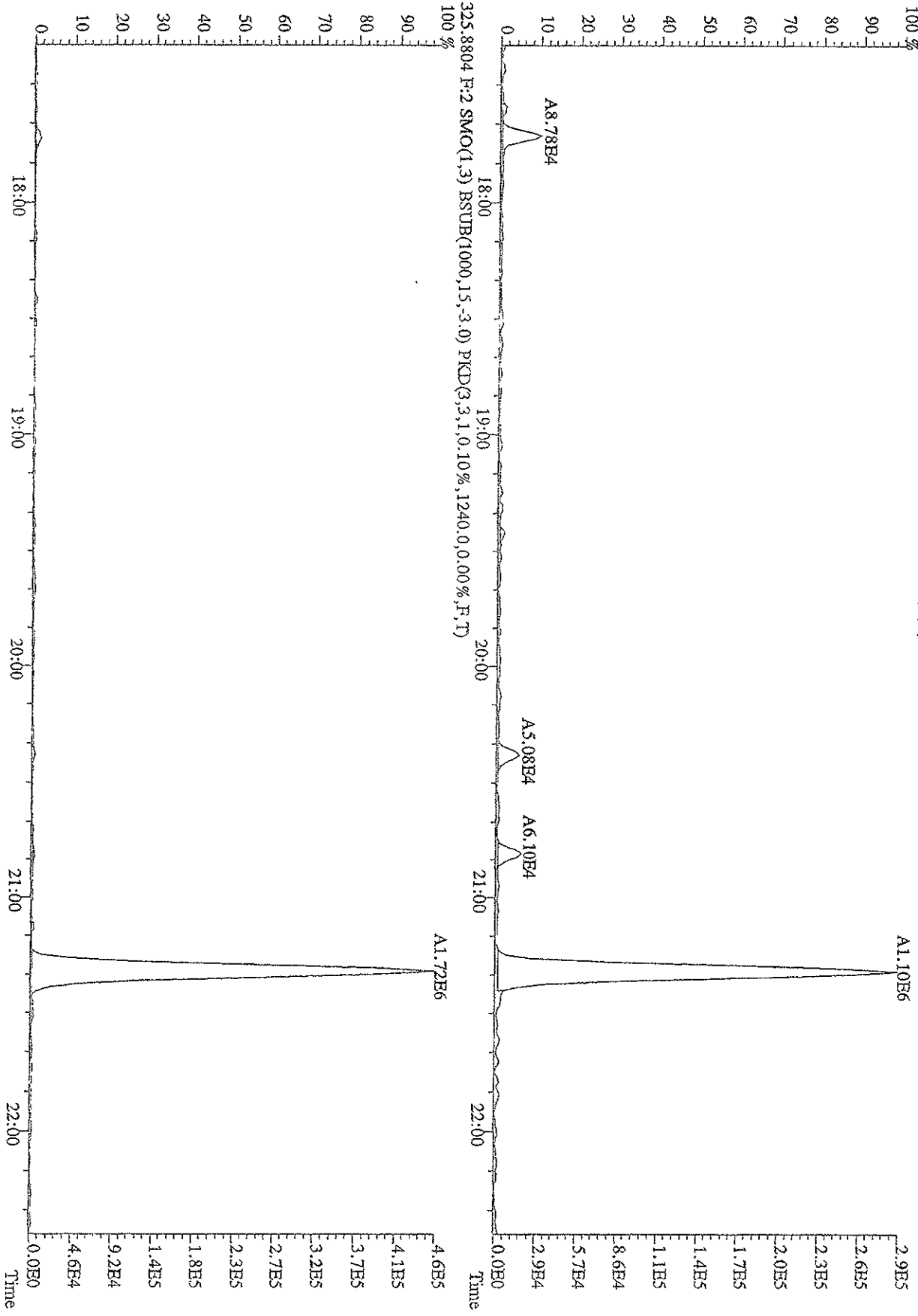
File:151A09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 289.9224 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1736,0,0,00%,F,T)



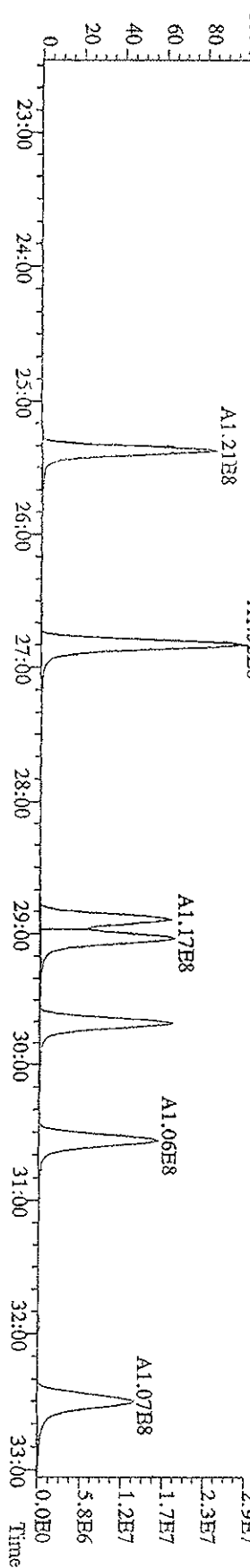
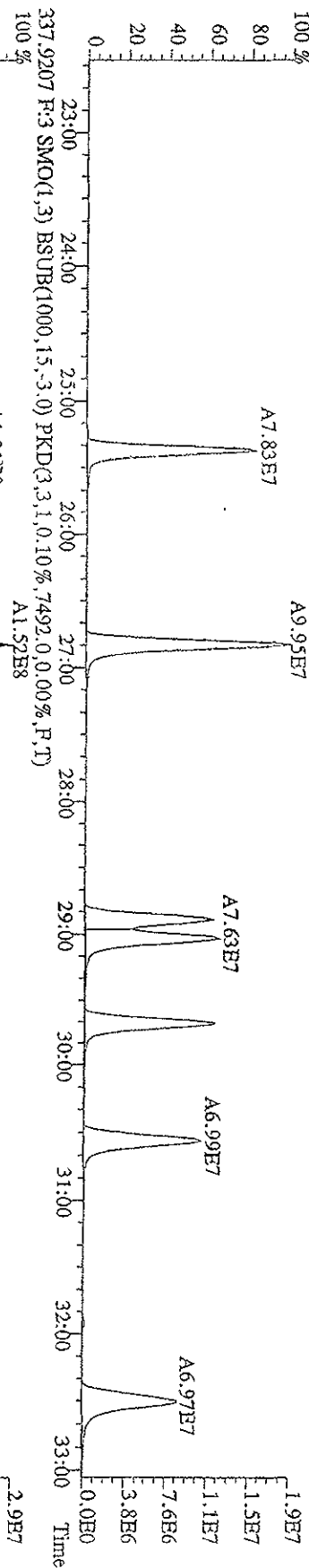
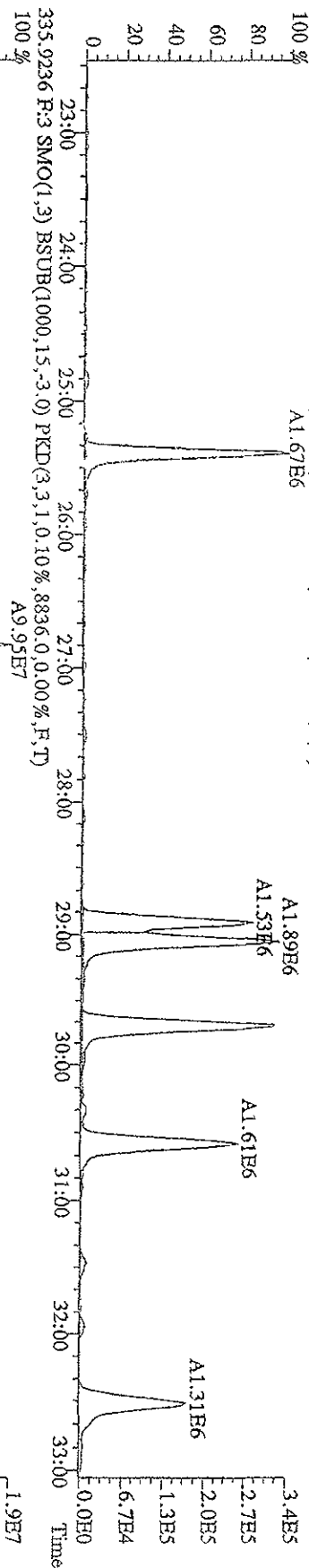
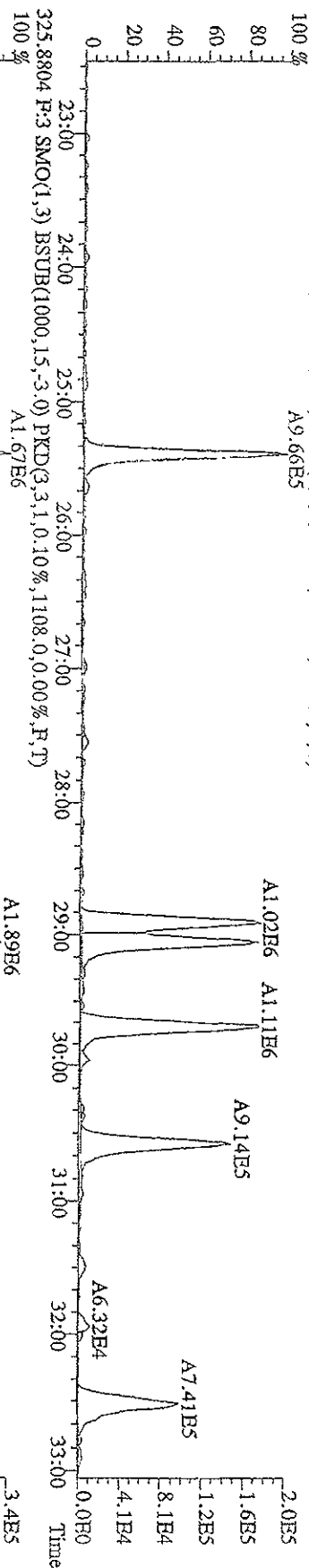
File: I51A09D9D5 #1-597 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage 5TR Autospec-UltimaB  
 Sample#1 Text: S10115 :CSI 09DXN014 Exp: 209DB5  
 289.9224 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1072.0,0.00%,F,T)  
 100 % A1.23E6



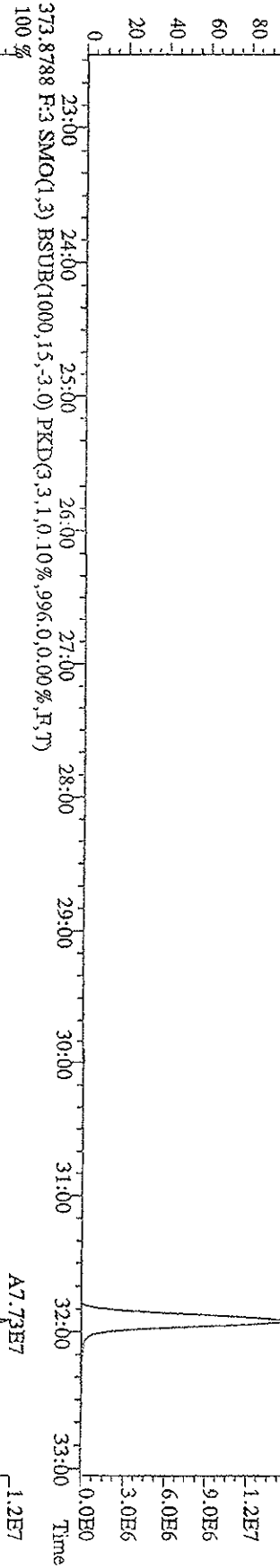
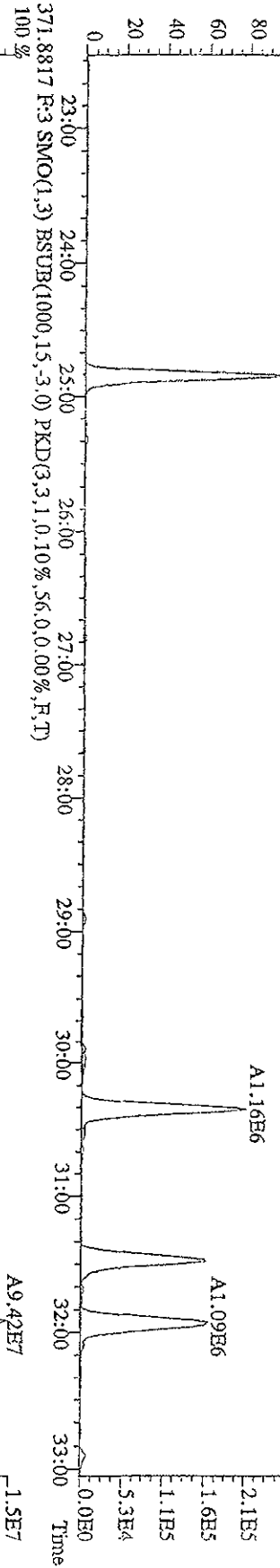
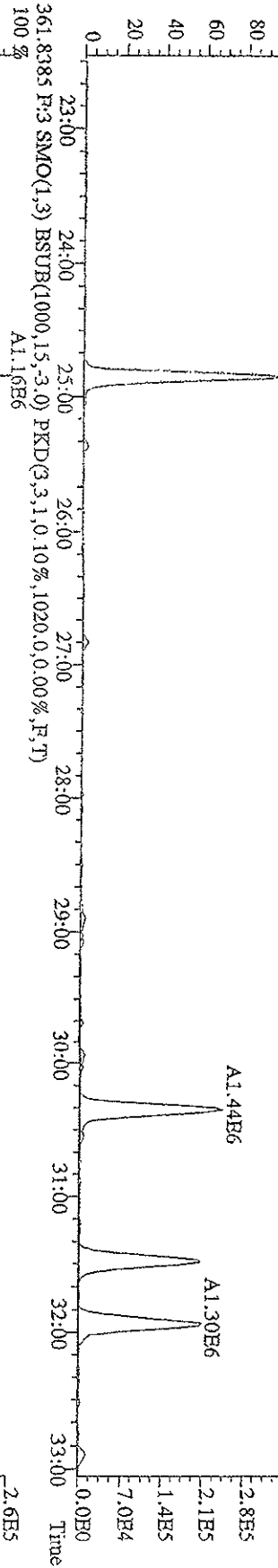
File: 151A09D9D5 #1-372 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#1 Text: ST0115 :CSI 09DXN014 Exp: 209DB5  
 323.8834 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1240,0,0,00%,F,T)



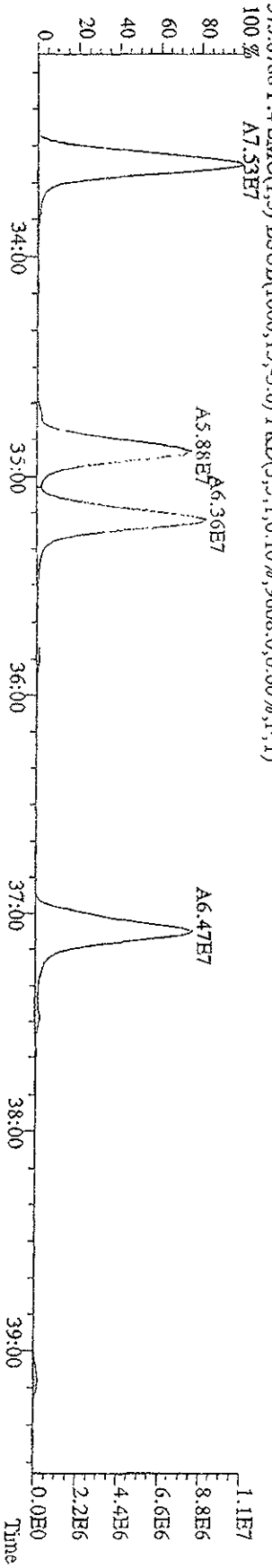
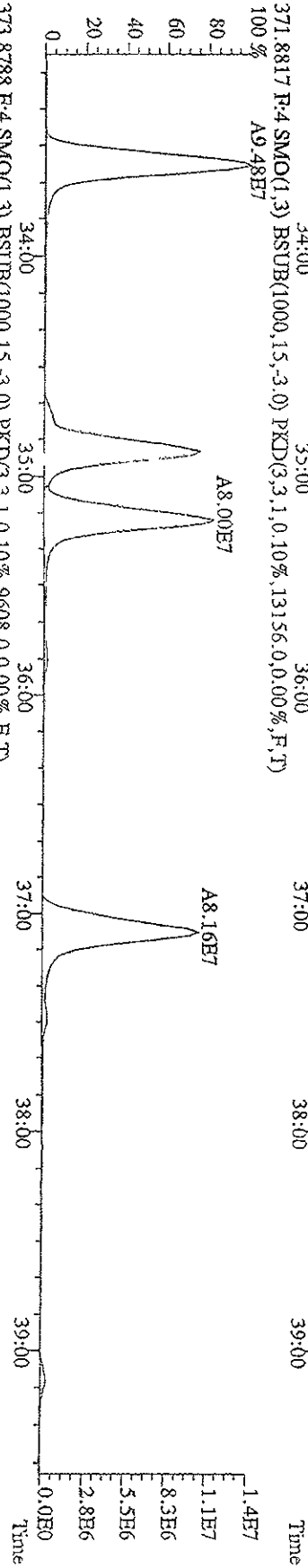
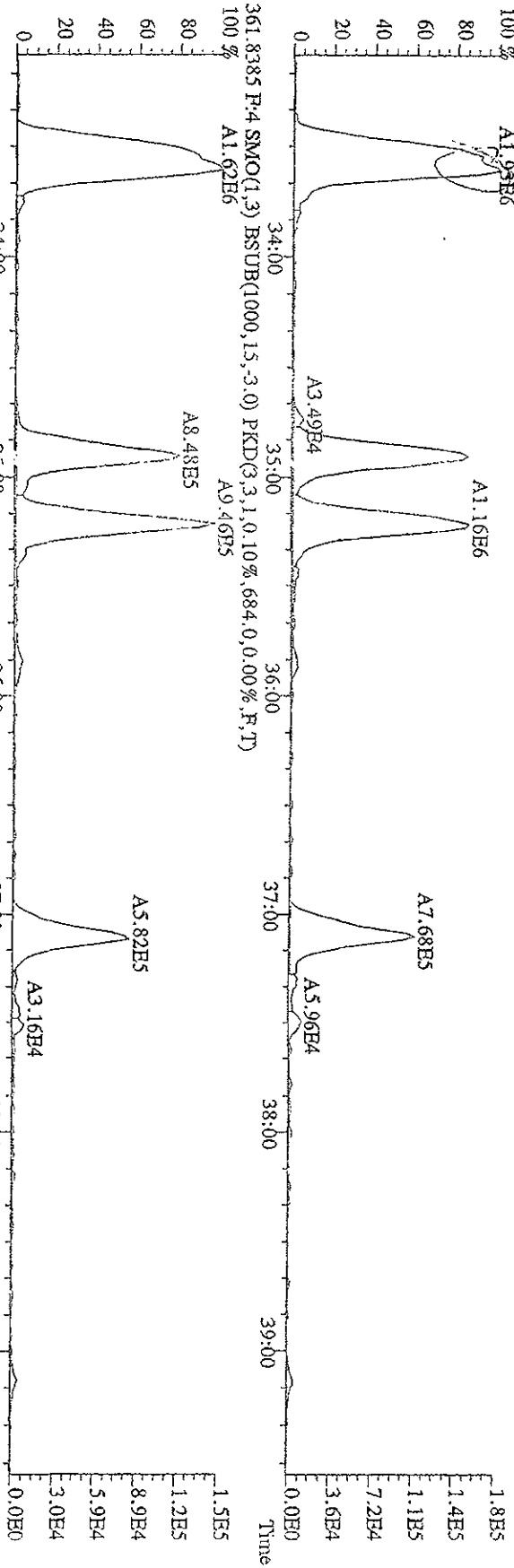
File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UHimaB  
 Sample#1 Text:ST0115 :CS1 09DXN1014 Exp:209DB5  
 323.8834 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1500,0,0,00%,F,T)  
 100 % A9.66E5



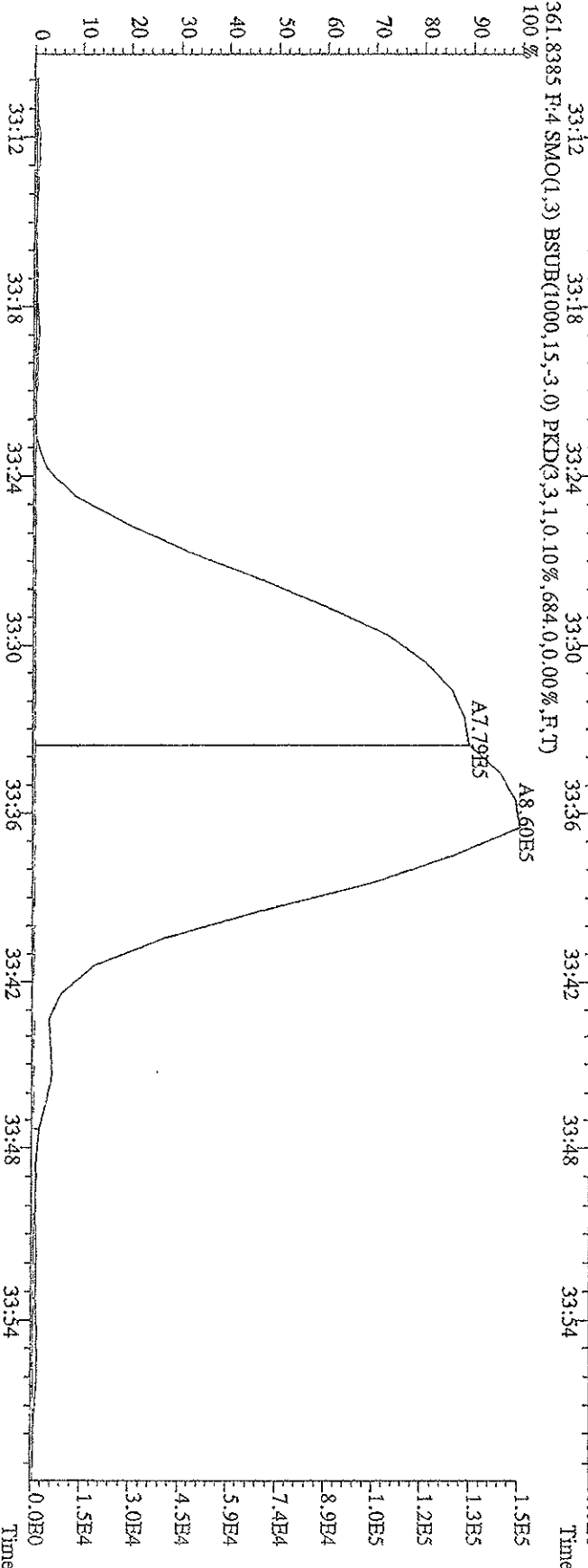
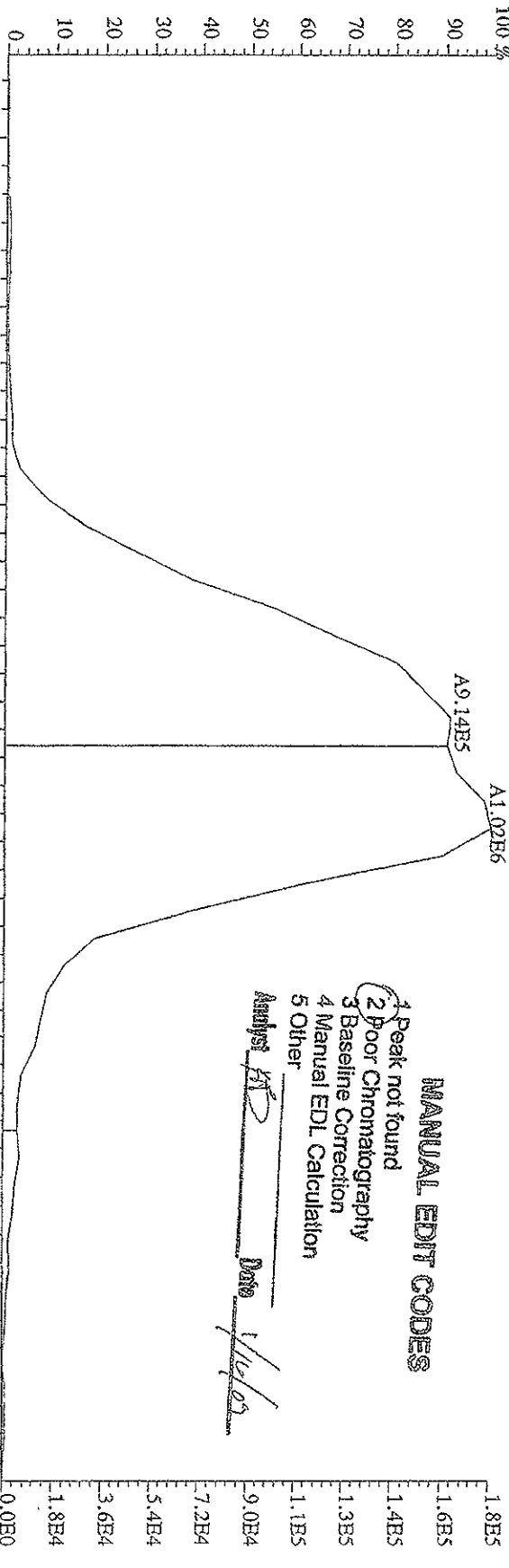
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0115 : CS1 09DXN014 Exp: 209DB5  
 359.8415 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1376.0,0.00%,F,T)  
 100% A1.59E6



File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SFR Autospec-UHimate  
 Sample#1 Text: ST0115 :CSI 09DXN014 Exp: 209DB5  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,928,0,0.00%,F,T)  
 100% A1.95E6

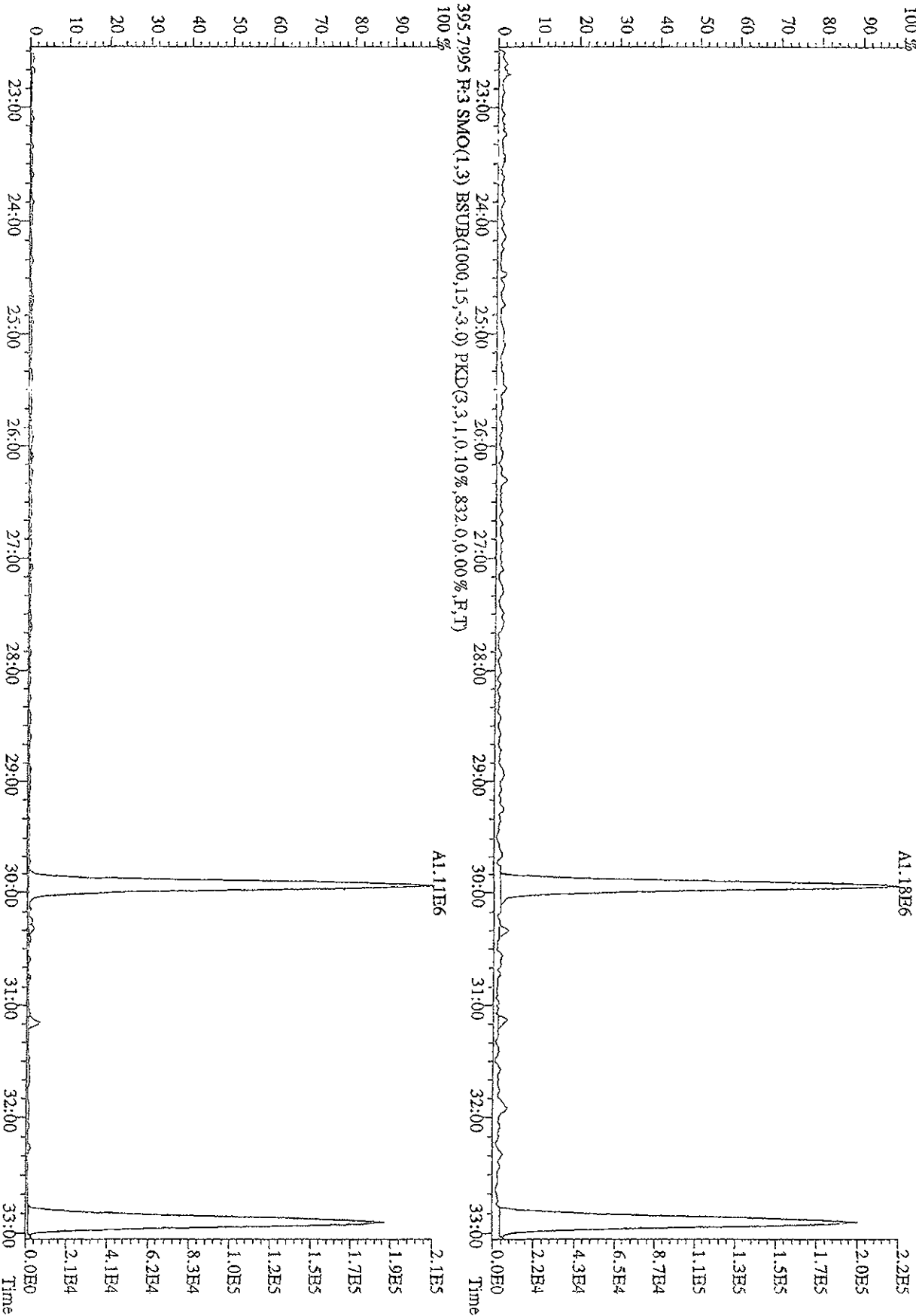


File:151A09DD9D5 #1-395 Acq:15-1AN-2009 20:25:19 GC HI+ Voltage SIR Autospec-UHimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359,8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,928,0,0,00%,F,T)

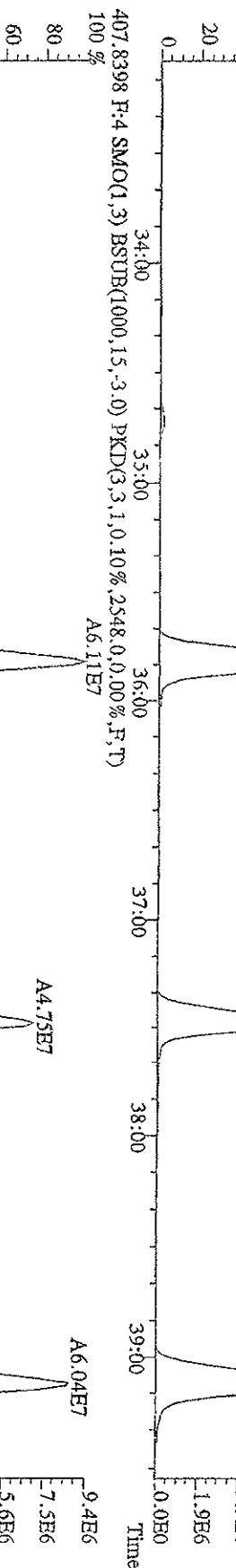
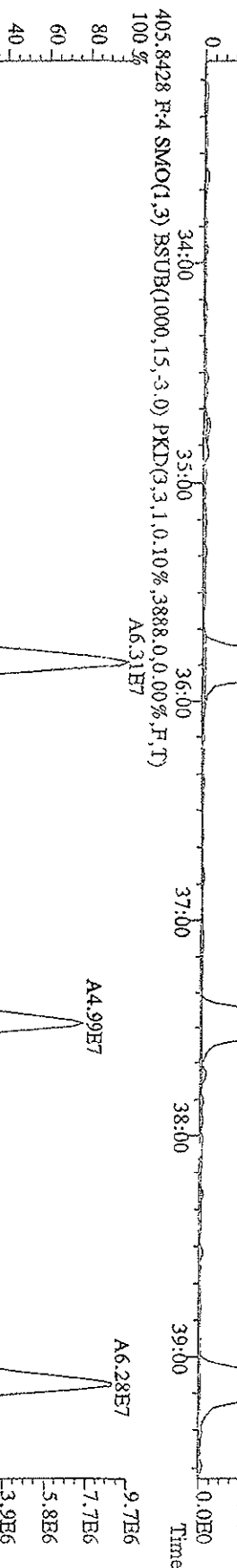
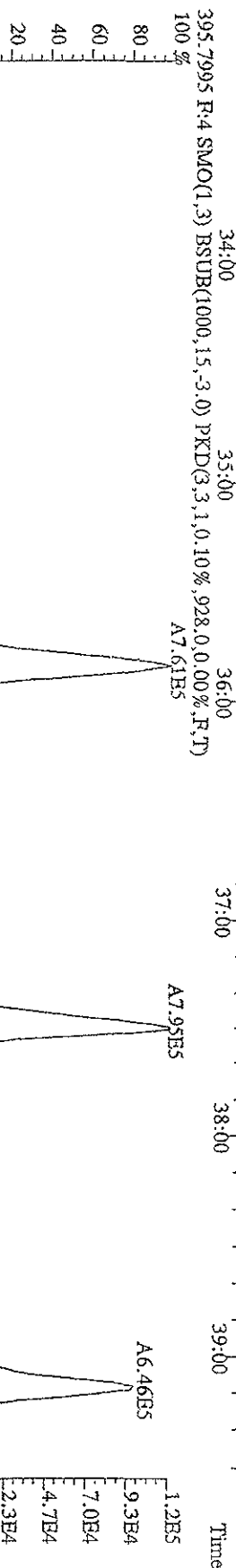
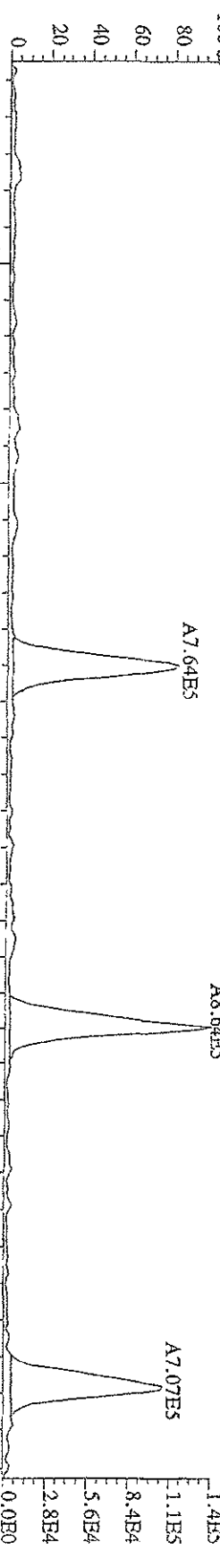




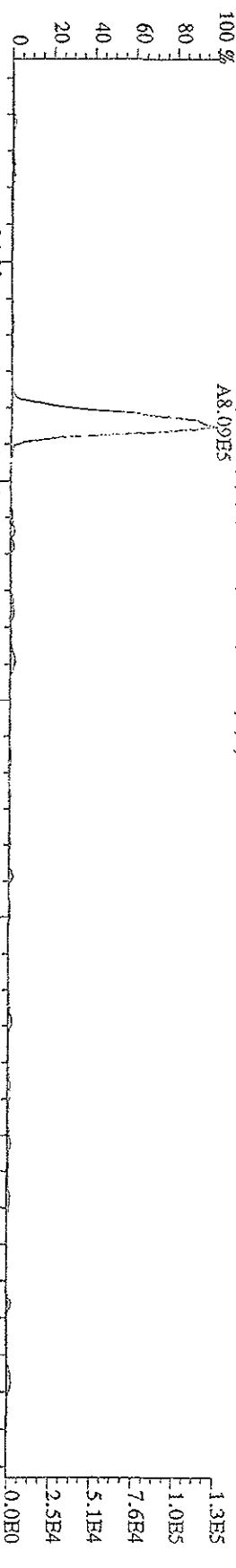
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0115 : CSI 09DXN014 Exp: 209IDB5  
 393.8025 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3252,0,0.00%,F,T)



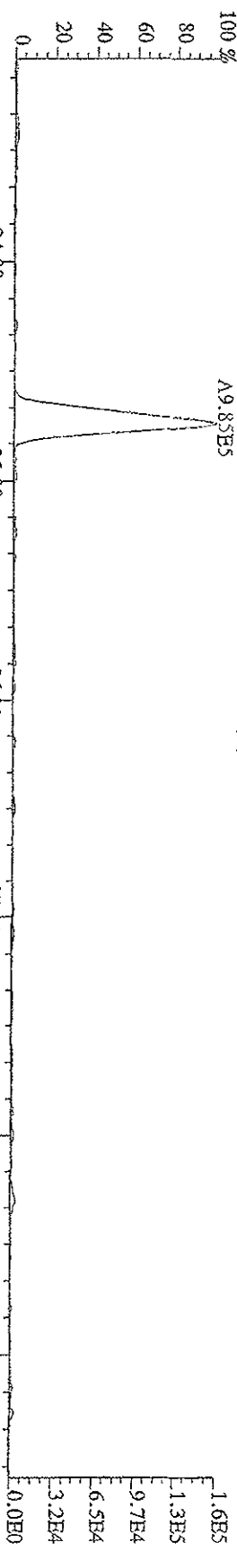
File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC ET+ Voltage SIR Autospec-UHimaE  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 393.8025 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3464,0,0,00%,F,T)



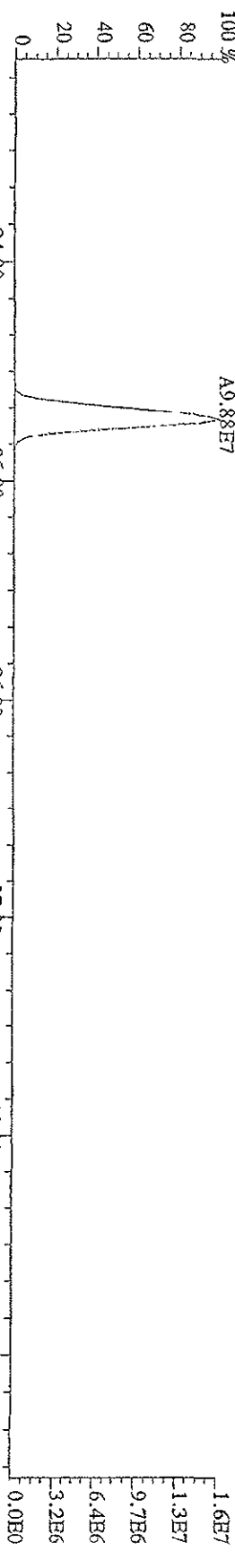
File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC BI+ Voltage SR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 427.7635 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,396,0,0,00%,F,T)  
 100% A8.09E5



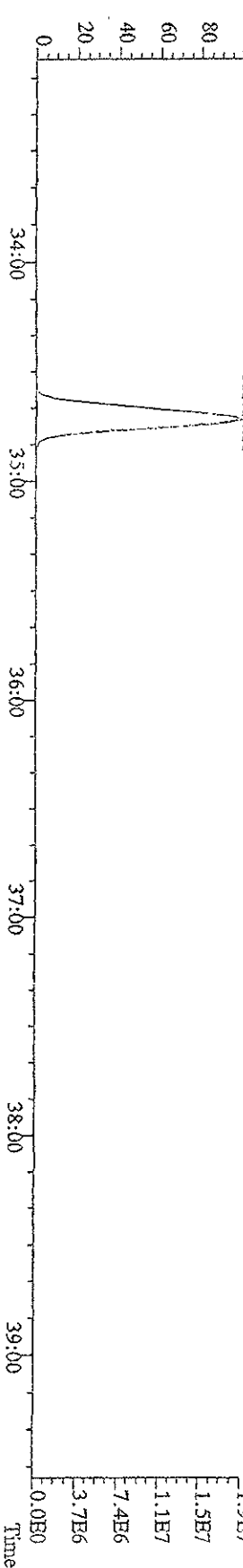
429.7606 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,484,0,0,00%,F,T)  
 100% A9.83E5



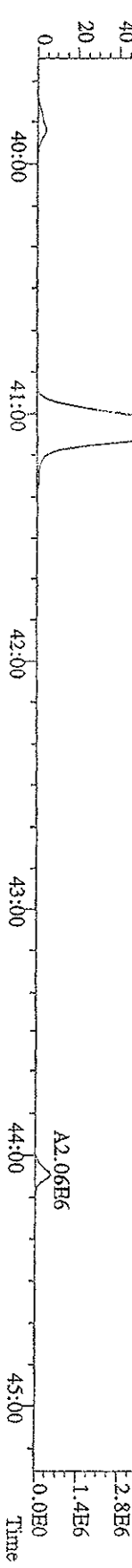
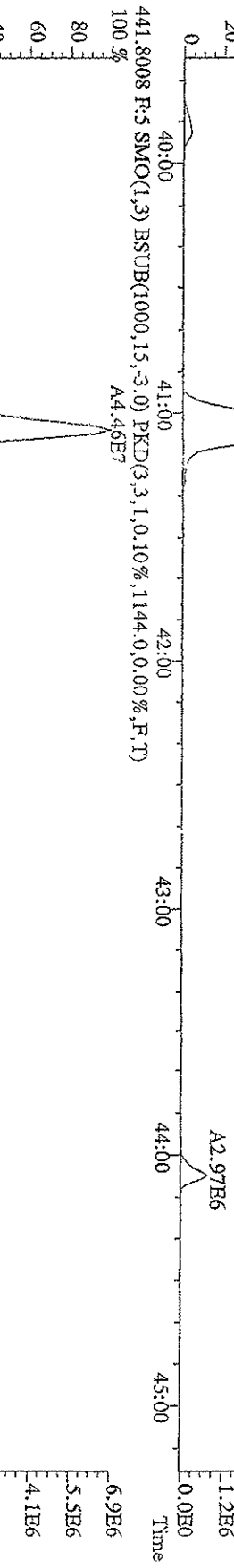
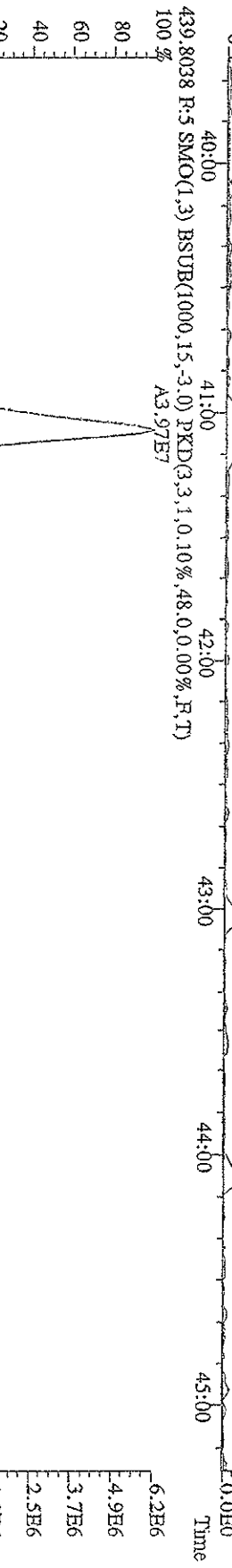
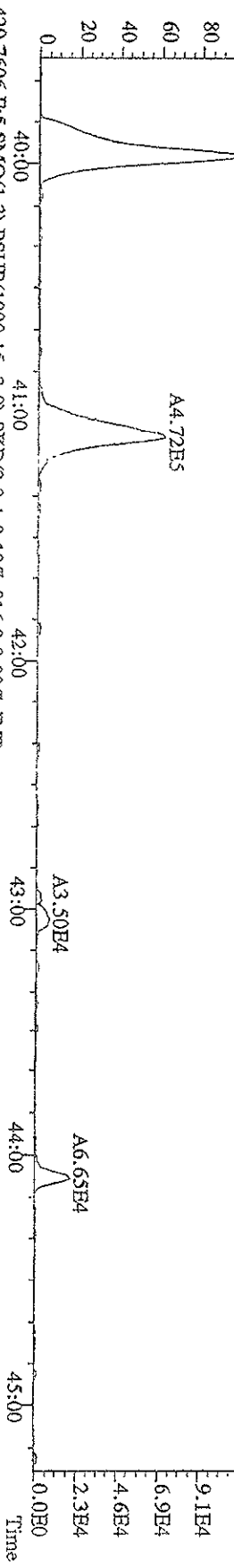
439.8038 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,76,0,0,00%,F,T)  
 100% A9.88E7



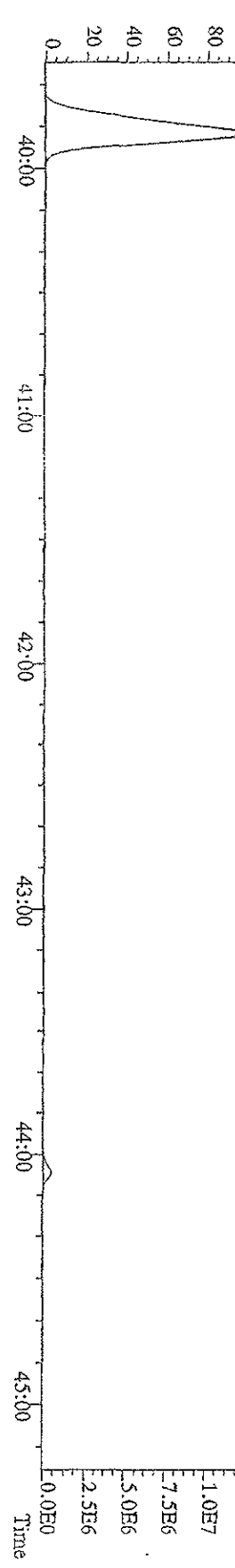
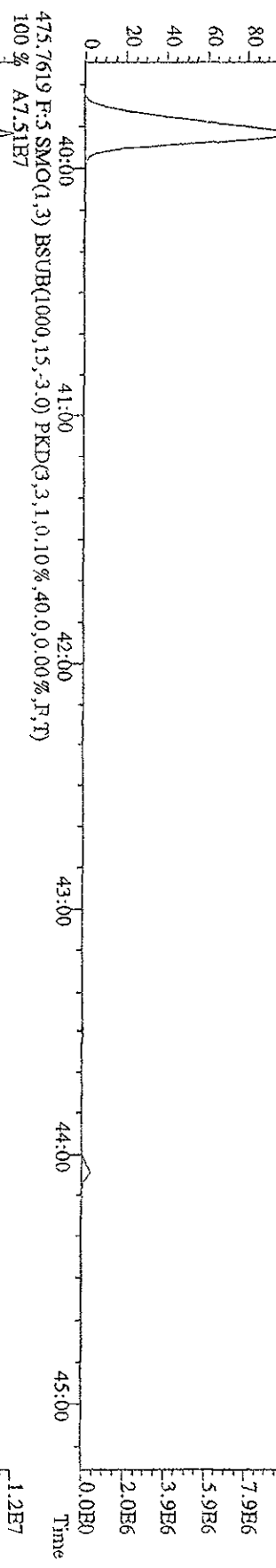
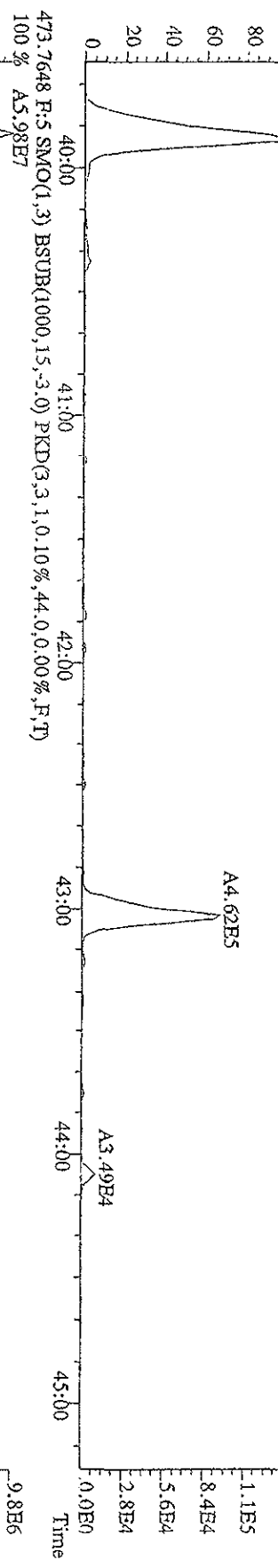
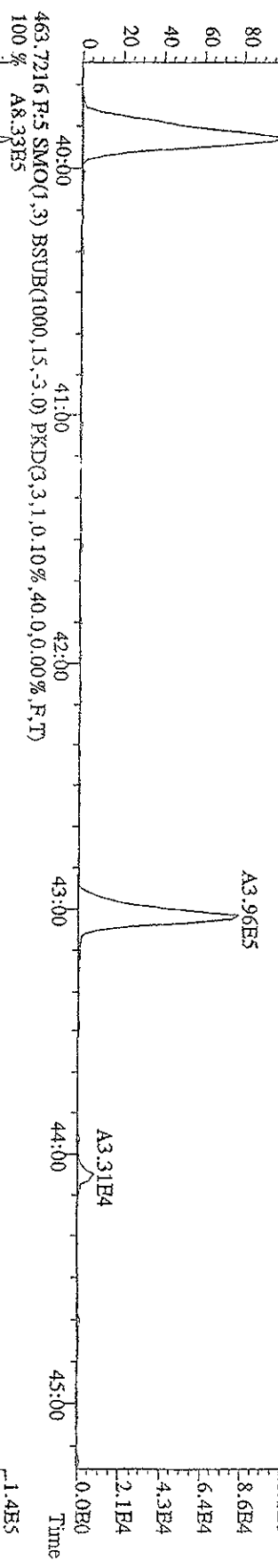
441.8008 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,784,0,0,00%,F,T)  
 100% A1.14E8



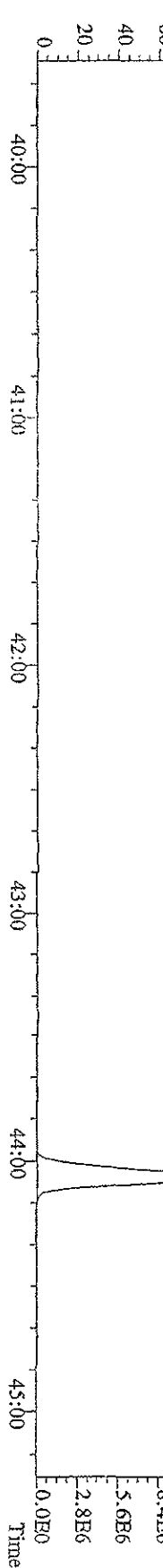
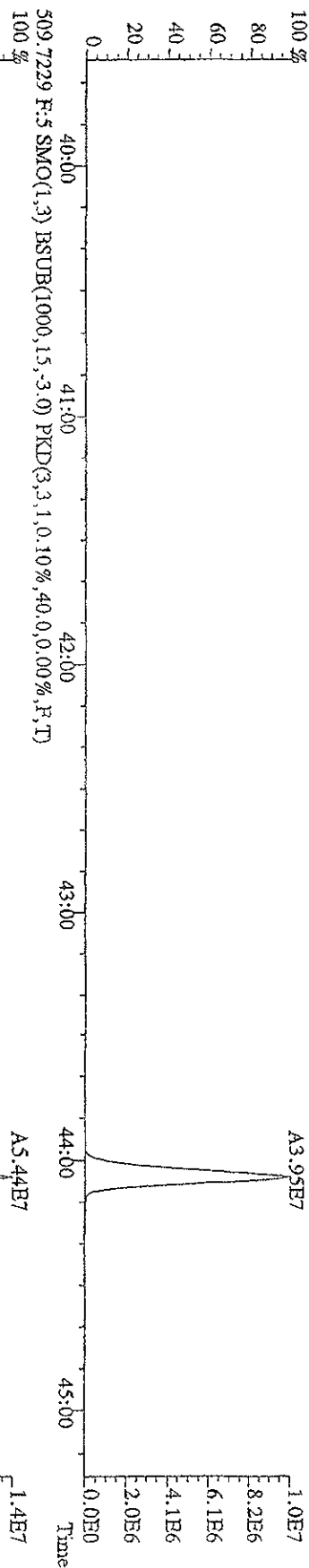
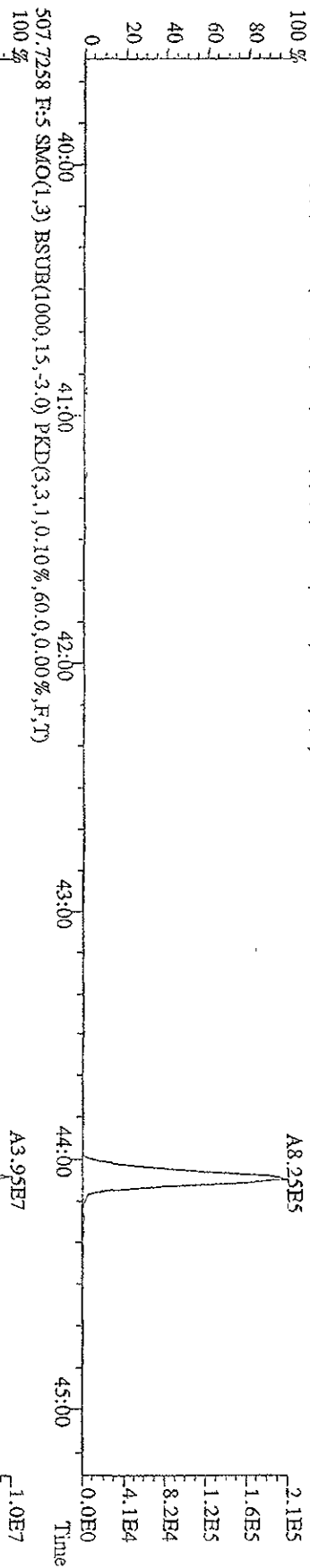
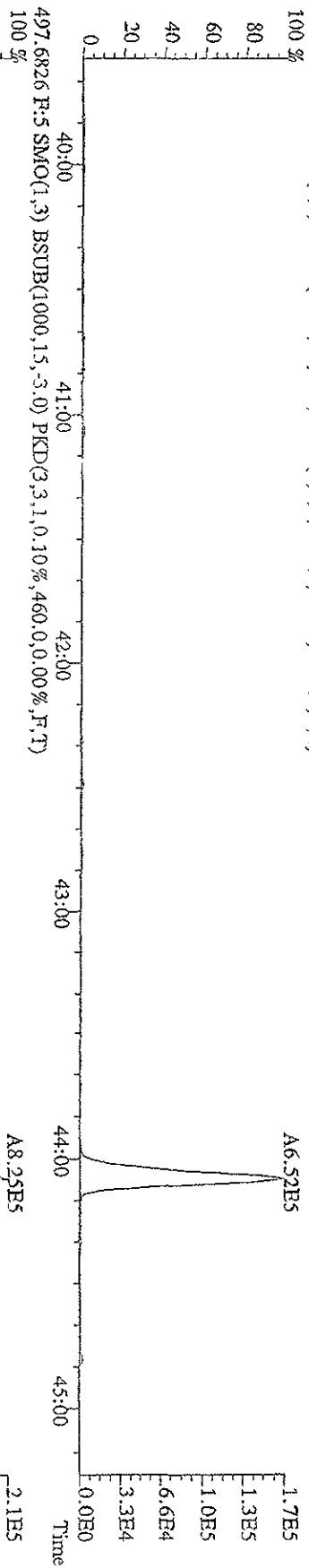
File:15JA09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-TUlnmaE  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 427.7635 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,76 0,0,00%,F,T)  
 100% A6.55E5



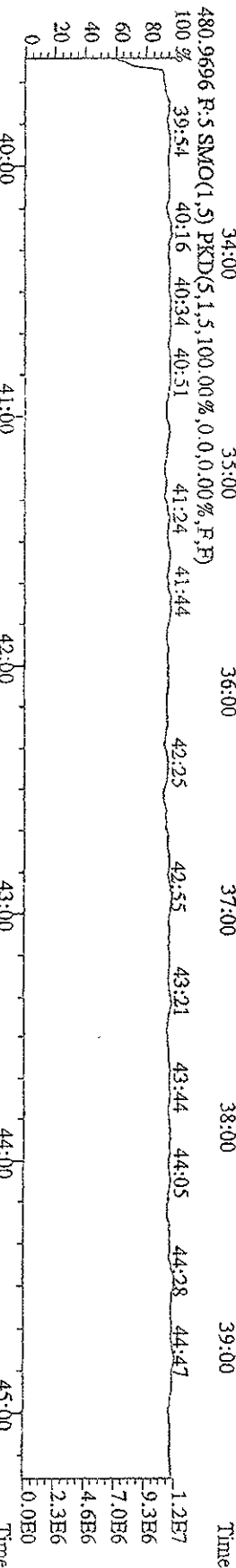
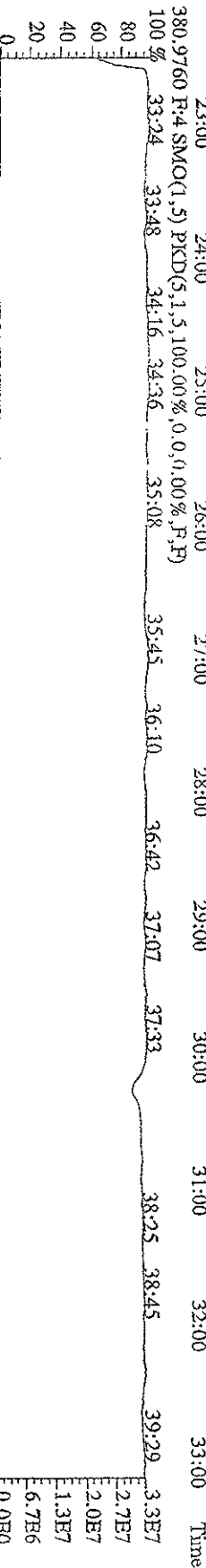
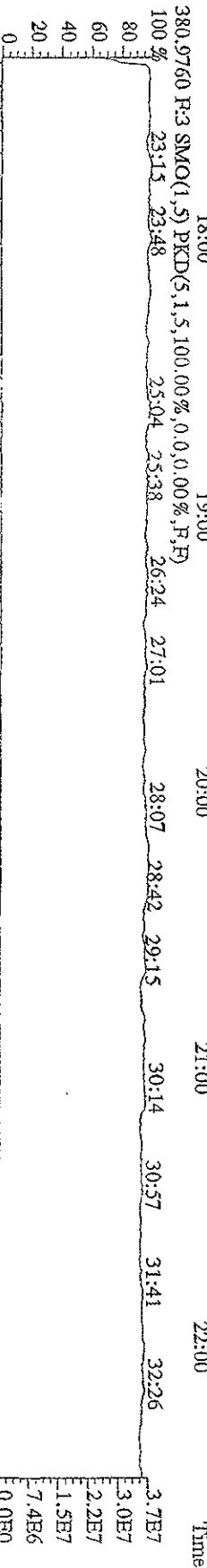
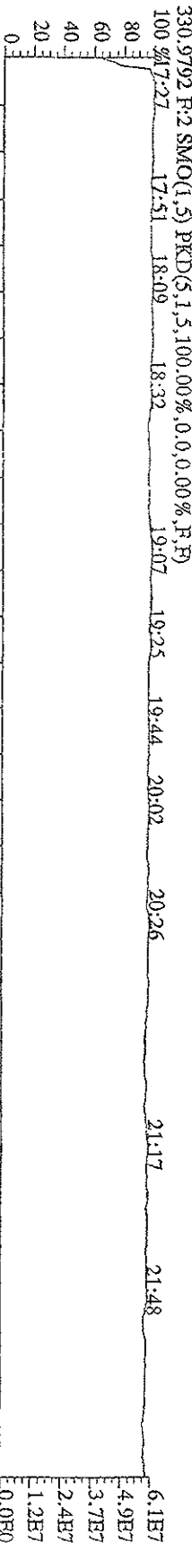
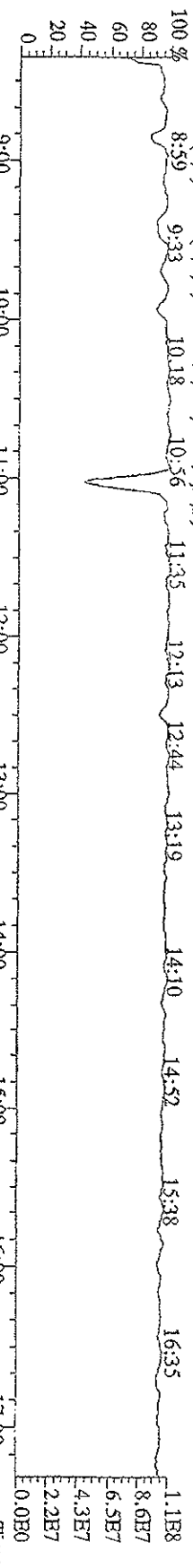
File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STD Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 461.7245 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,40.0,0.00%,F,T) 100% A6.17E5



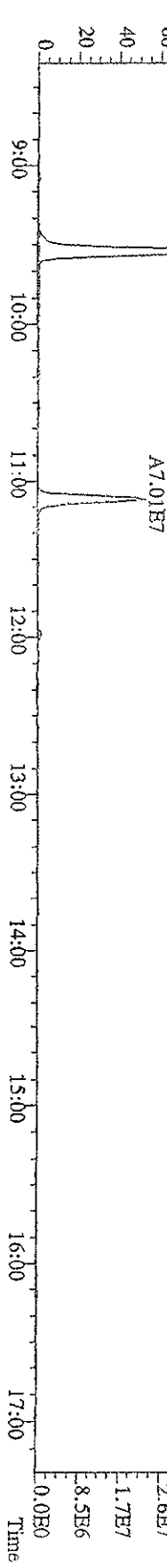
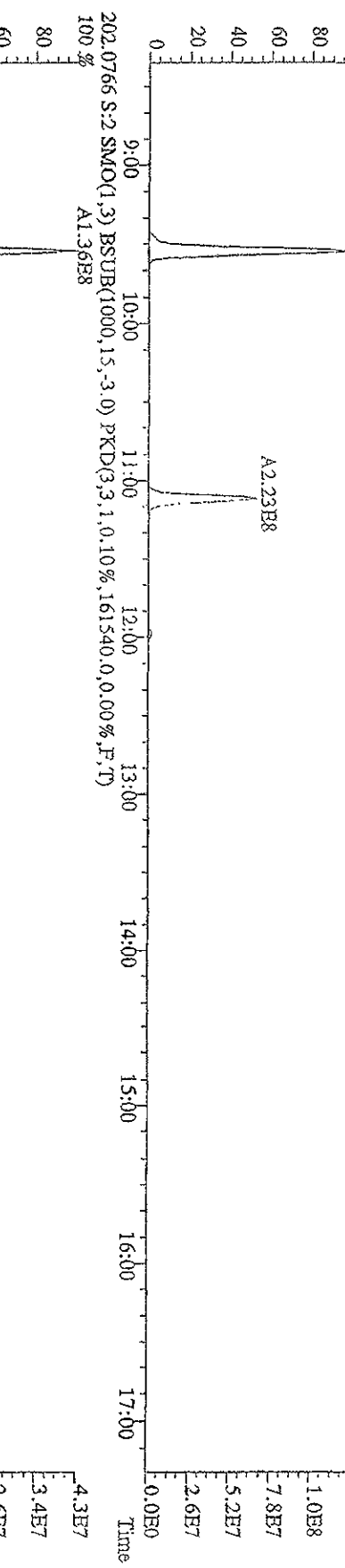
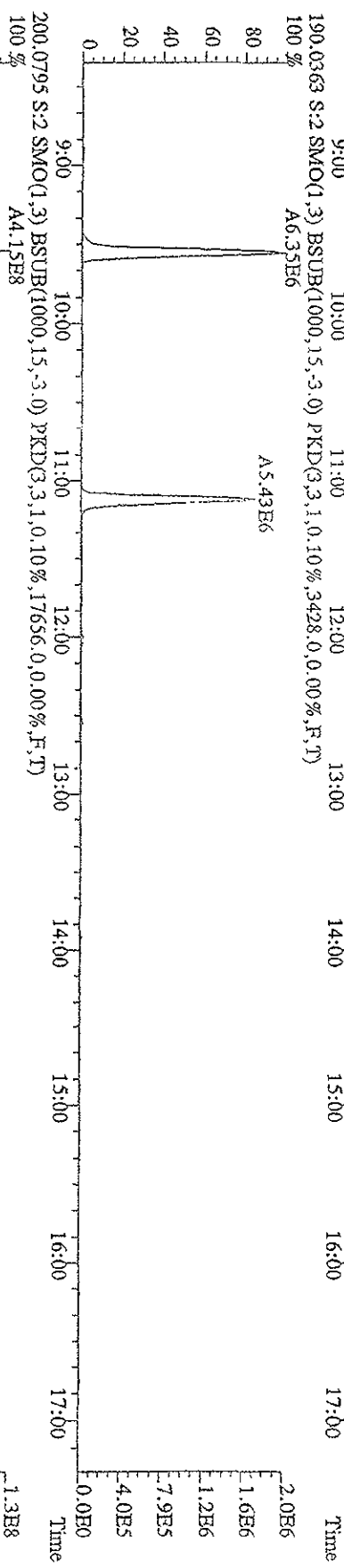
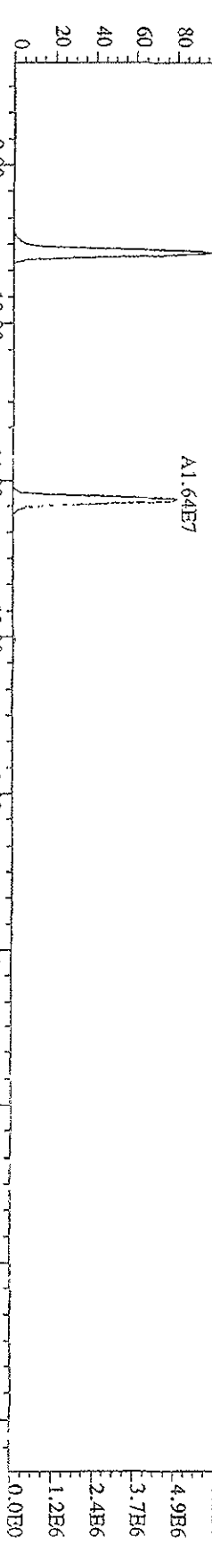
File:151A09DDP5 #1-378 Acq:15-JAN-2009 20:25:19 GC BI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Tek:ST0115 :CS1 09DXN014 Exp:209DB5  
 495.6856 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,420,0,0,00%,F,T)



File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STD Autospec-UltimaE  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5

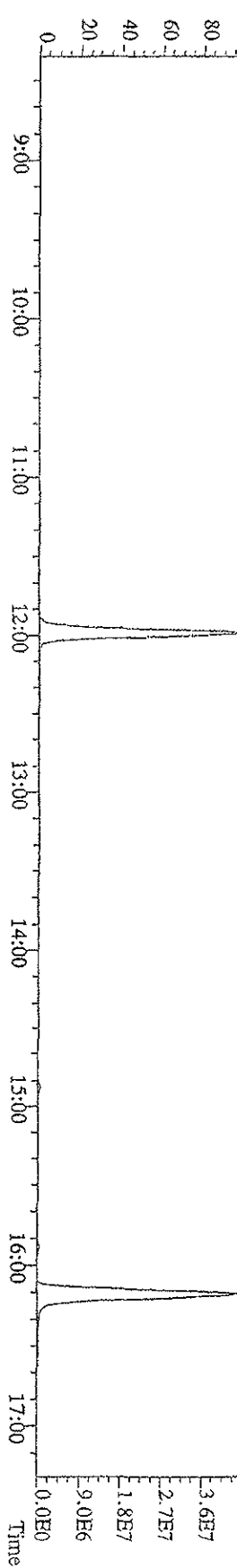
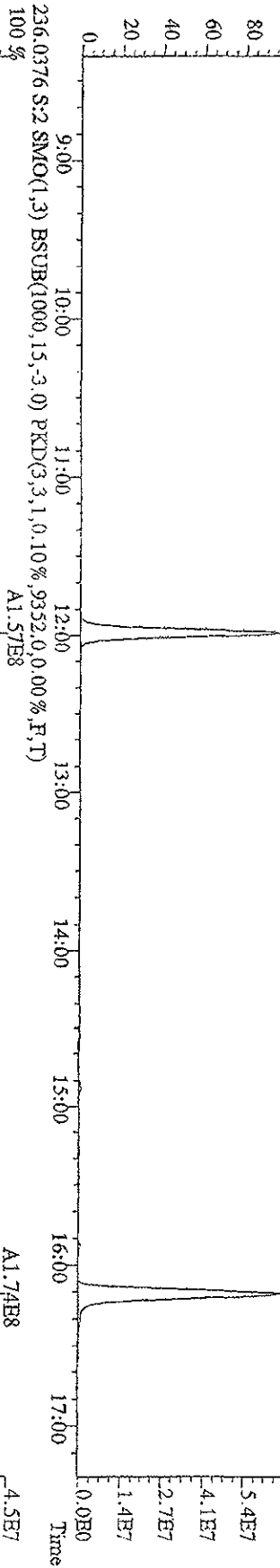
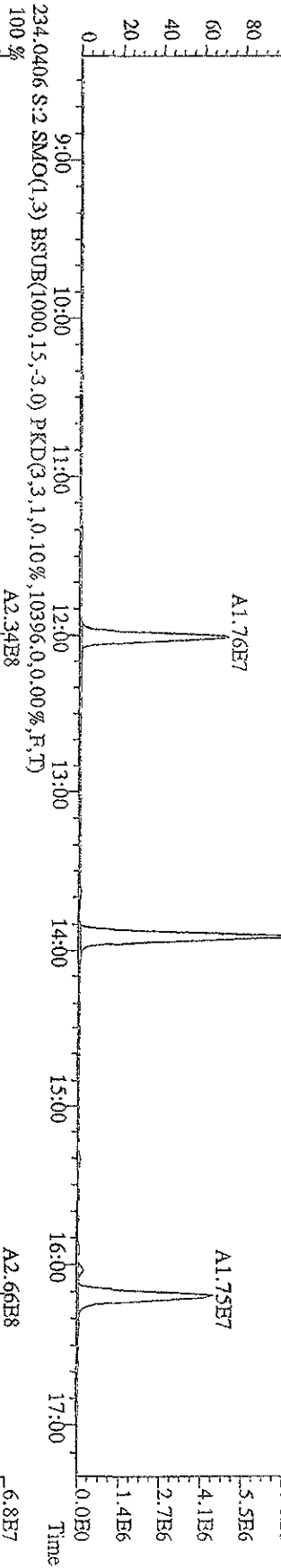
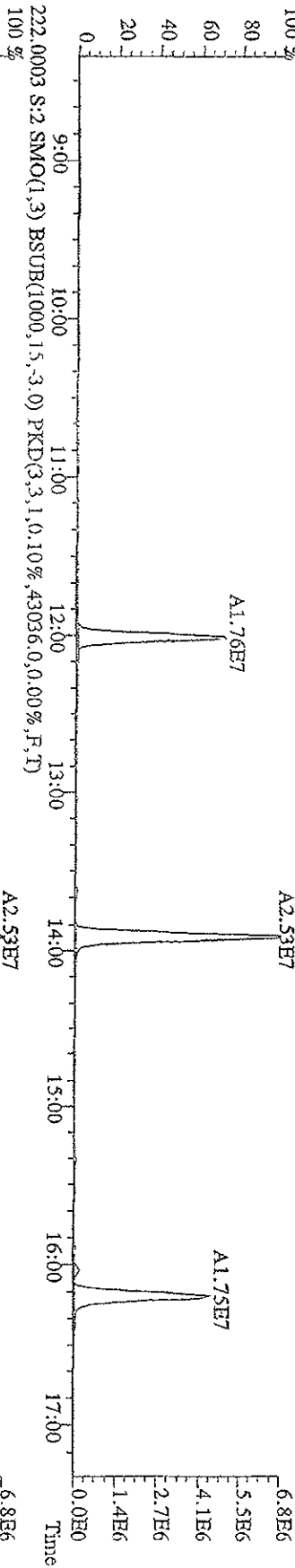


File:151A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimat?  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 188.0393 S-2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5748,0,0,00%,F,T)  
 100% A1.95E7

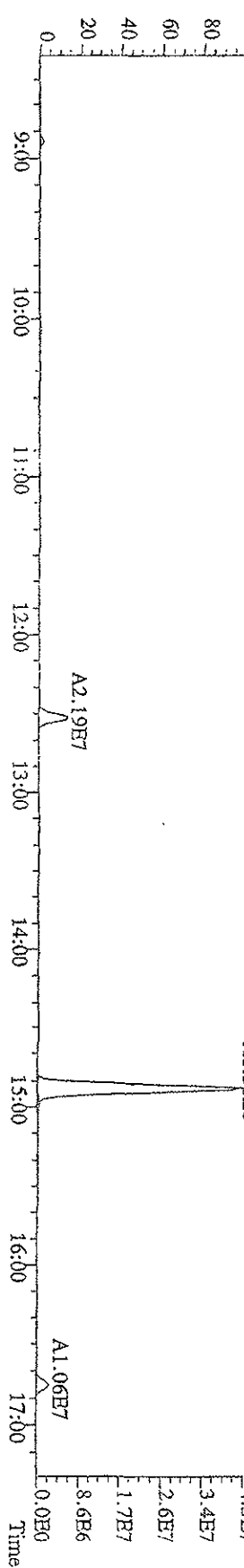
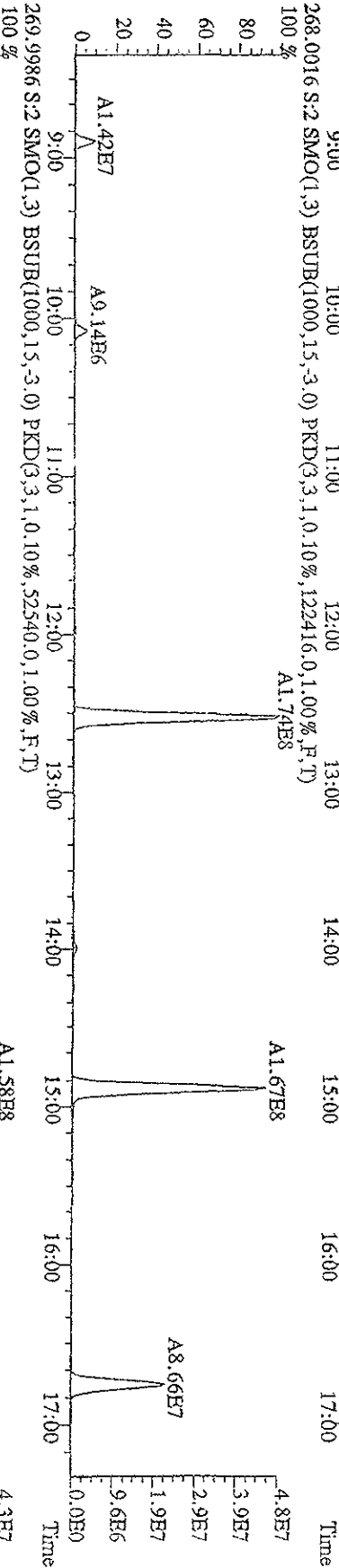
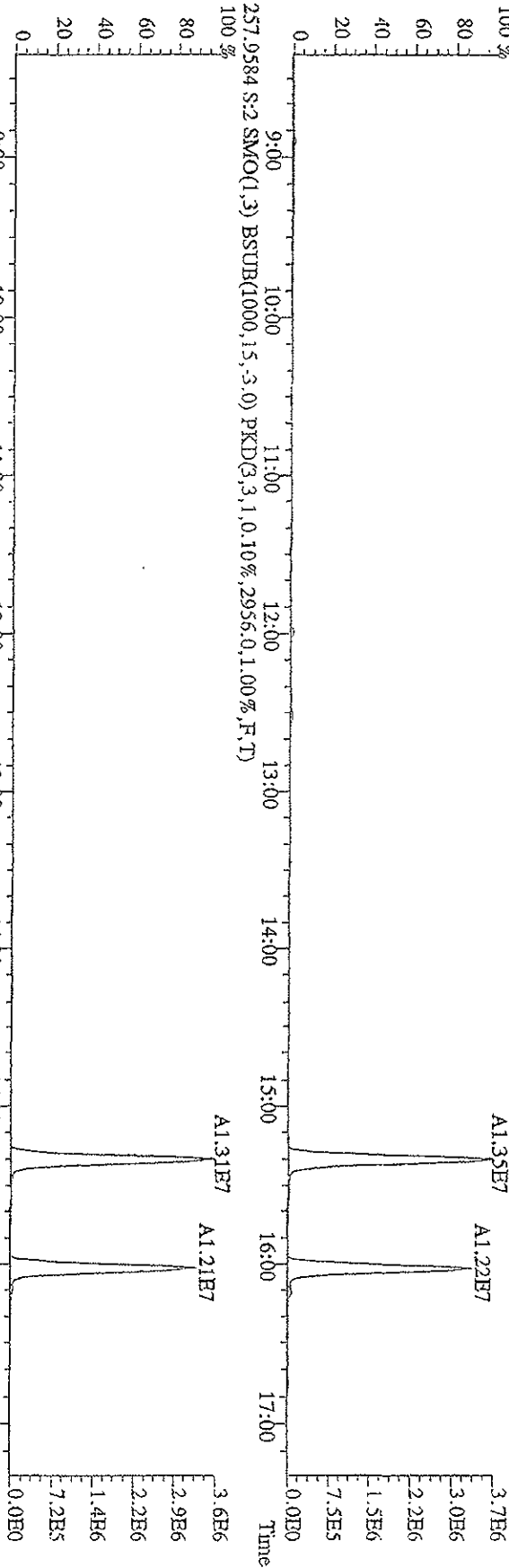




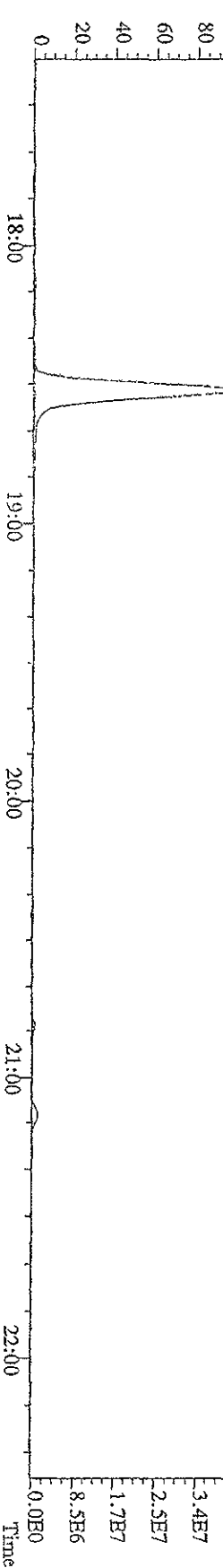
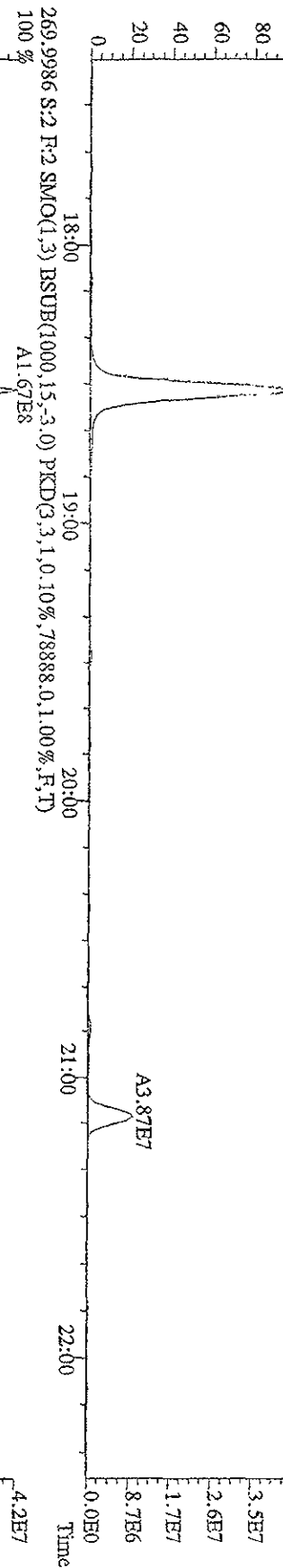
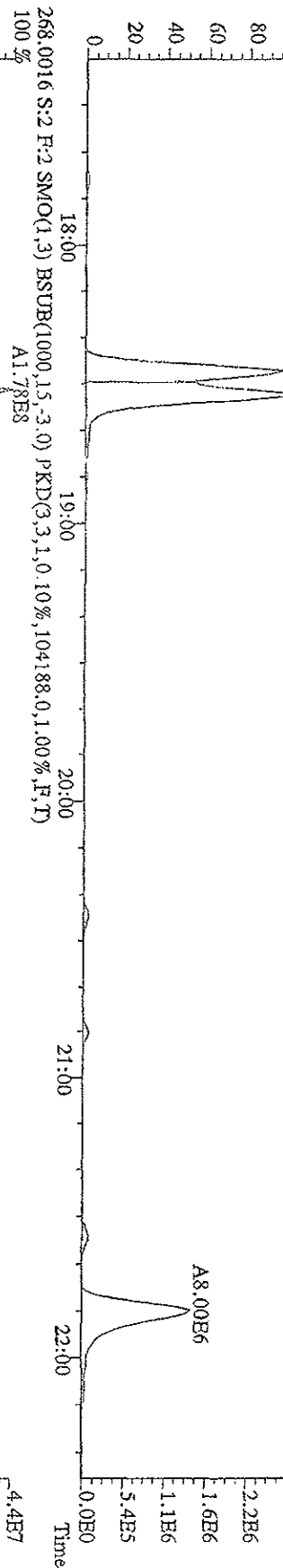
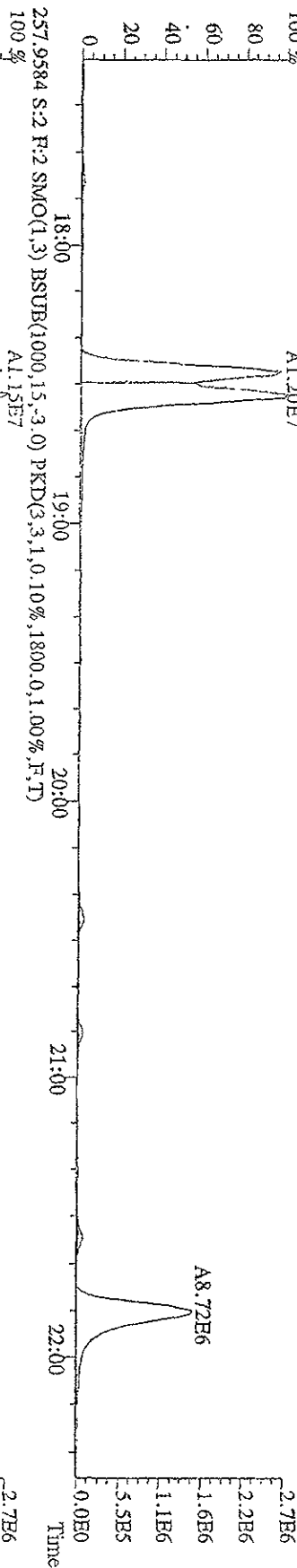
File:151A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC BI + Voltage STR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 222.0003 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,43036,0,0,00%,F,T)



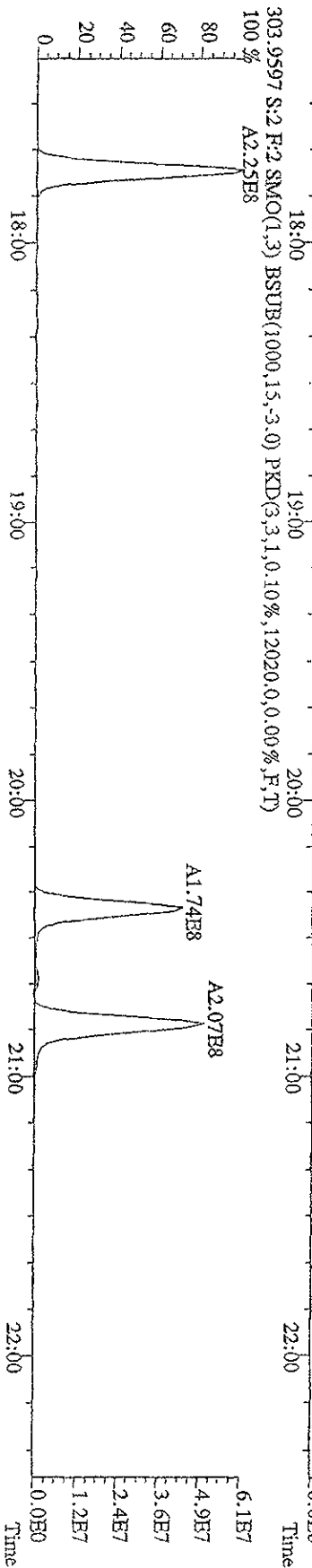
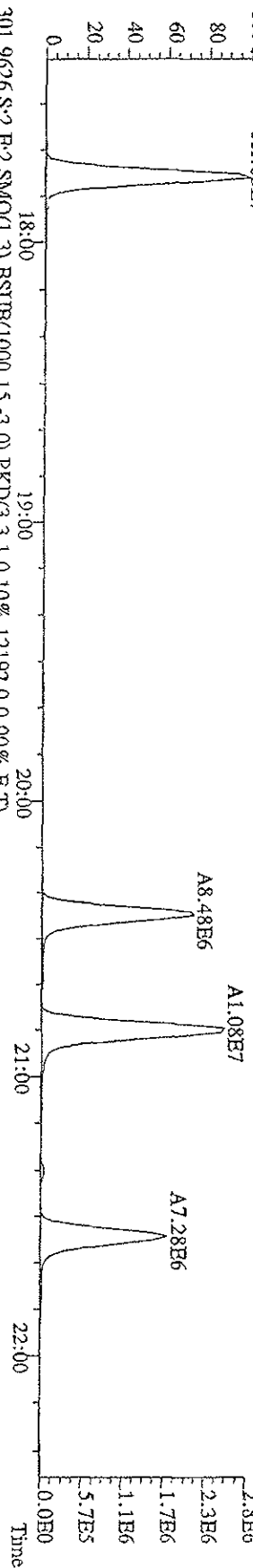
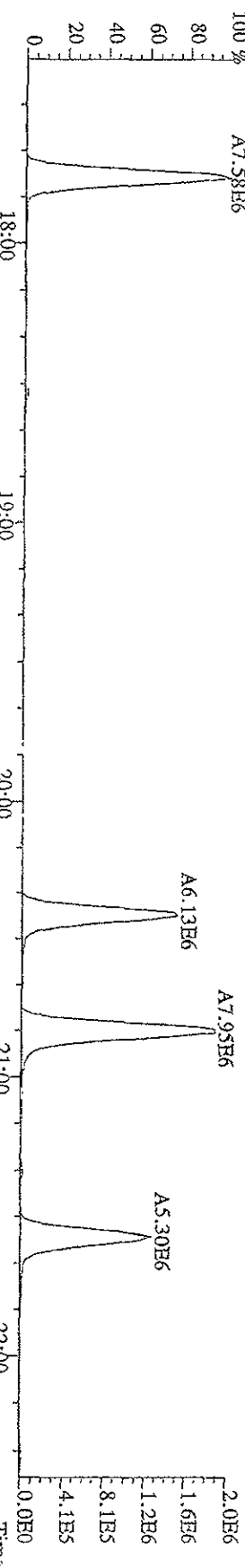
Title: 151A09D9D5 #1-609 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage: S1R Autospec-Ultimate  
 Sample#2 Text: ST0115A : CS2 09DXN015 Exp: 209DB5  
 255.9613 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,2956,0,1,100%,F,T)



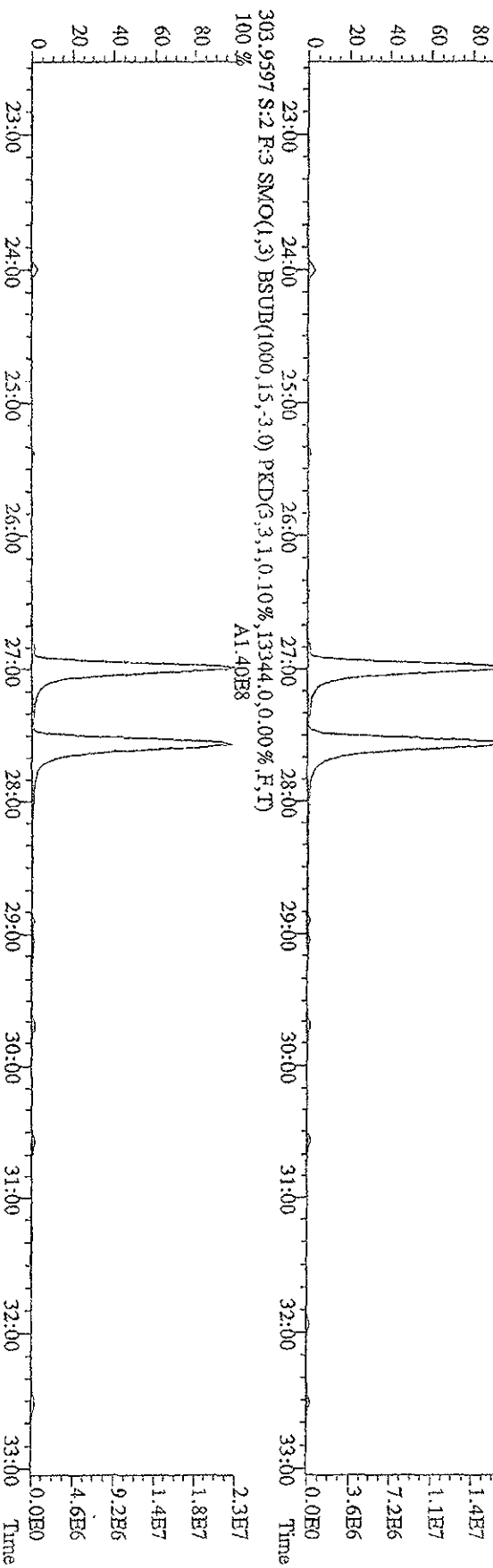
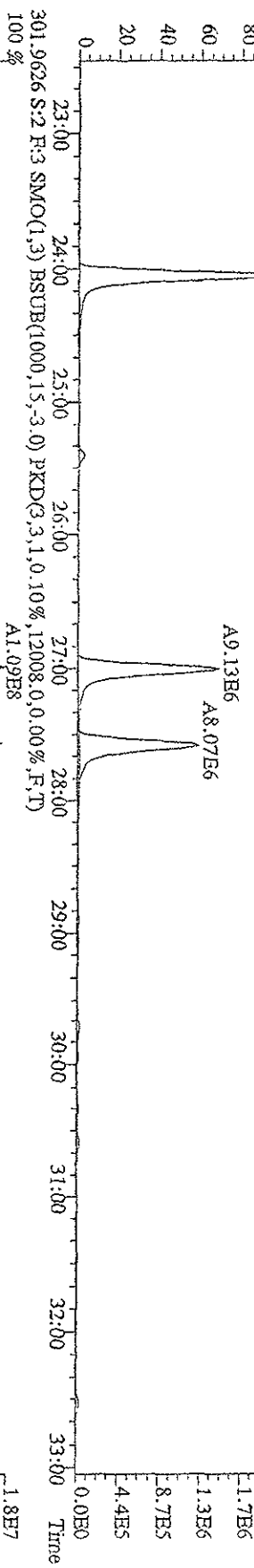
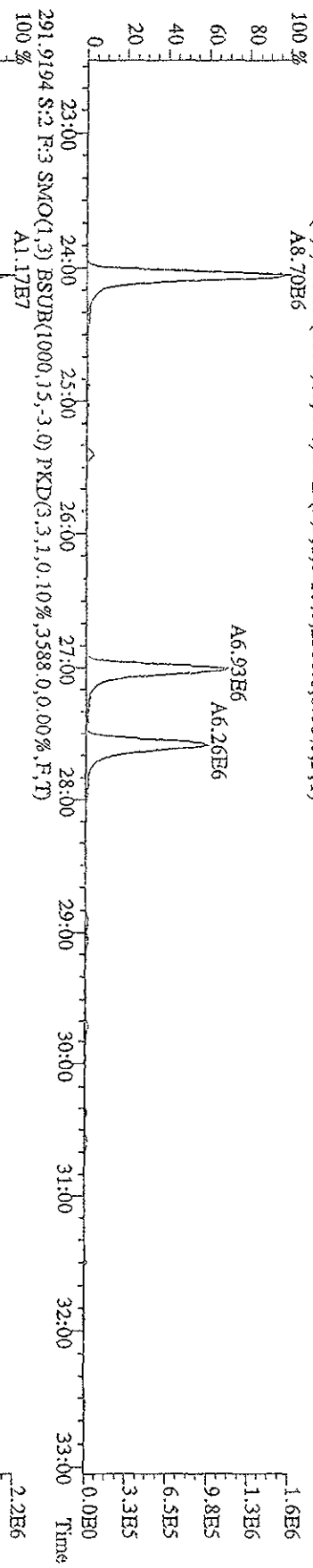
File:151A09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC BI+ Voltage SIR Autospec-UltraF  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 255.9613 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1800,0,1,00%,F,T)  
 100% A1.20E7



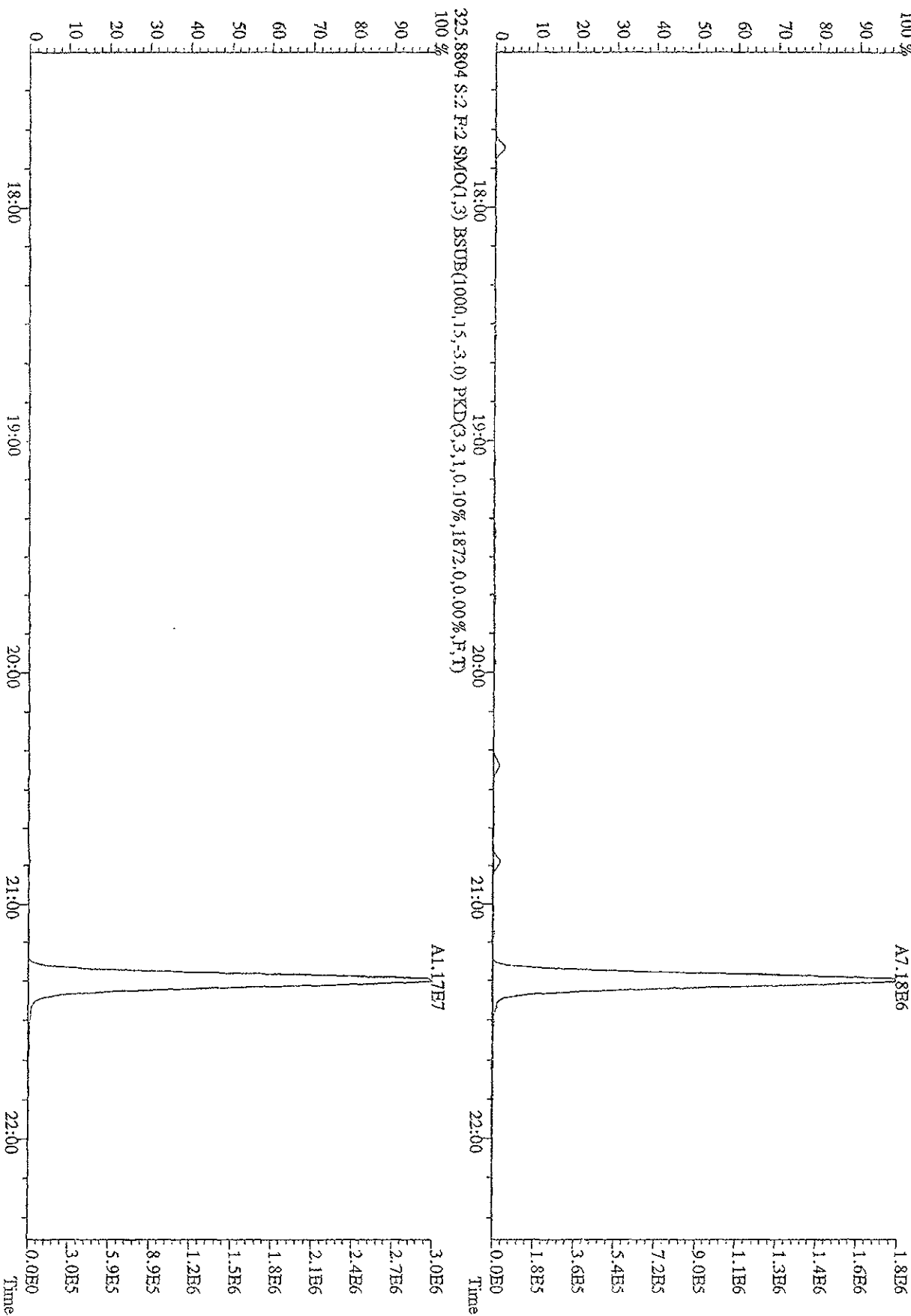
File:151A09DD9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-UltimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 289.9224 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,12020,0,0,00%,F,T)  
 100% A7.58E6



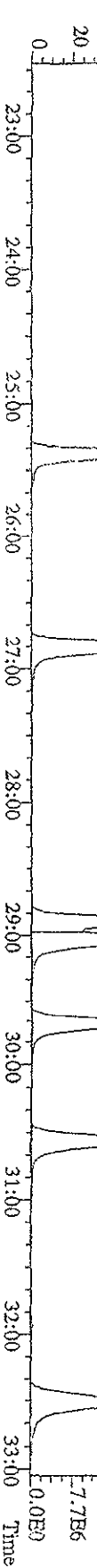
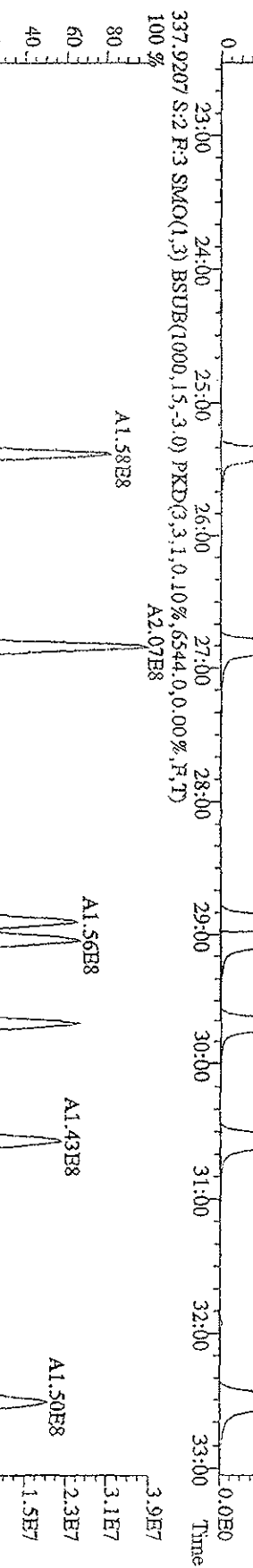
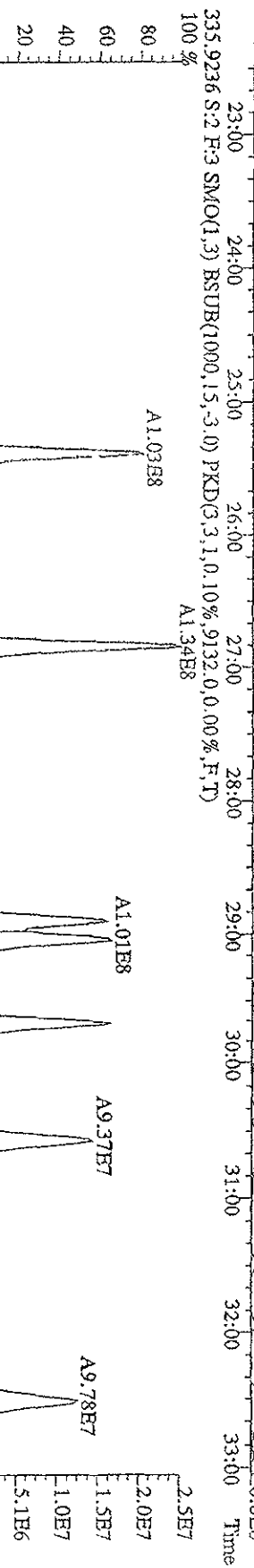
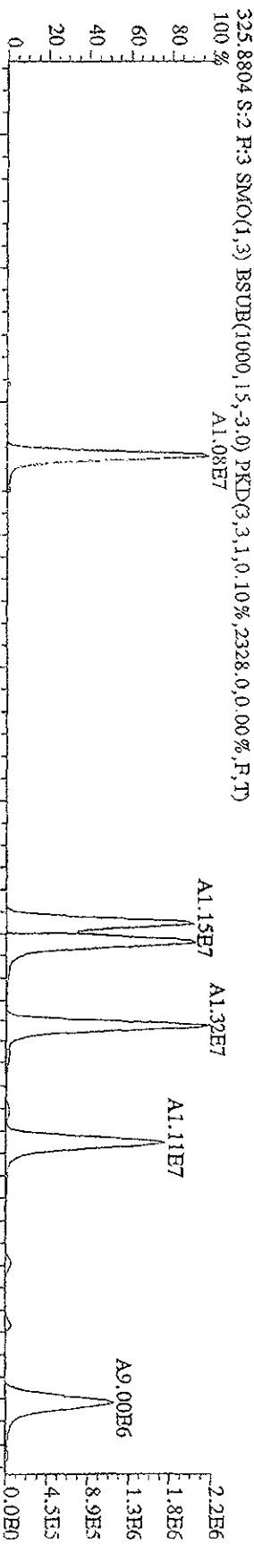
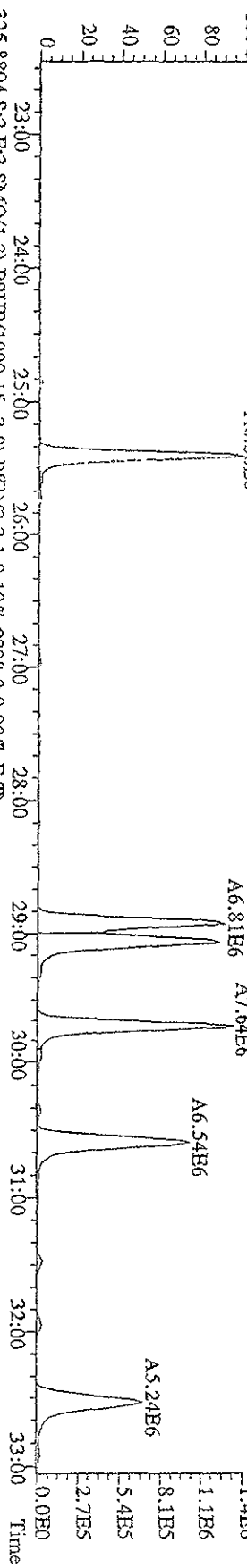
File: 151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2360,0,0,00%,F,T)  
 100% A8.70E6



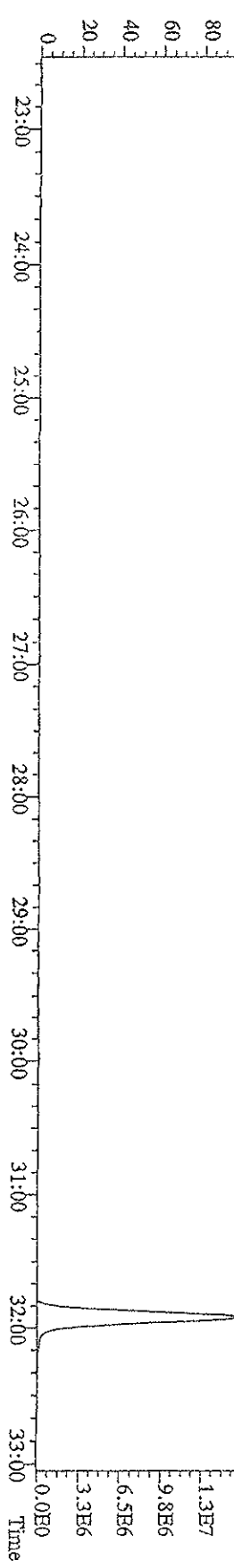
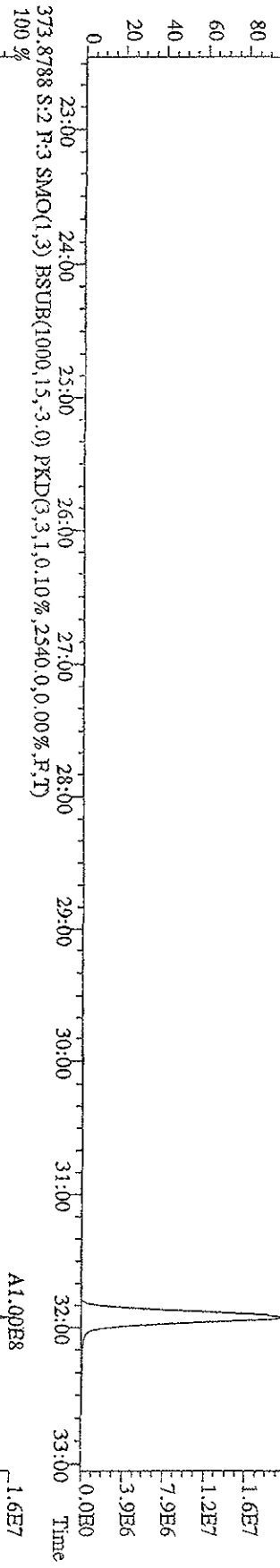
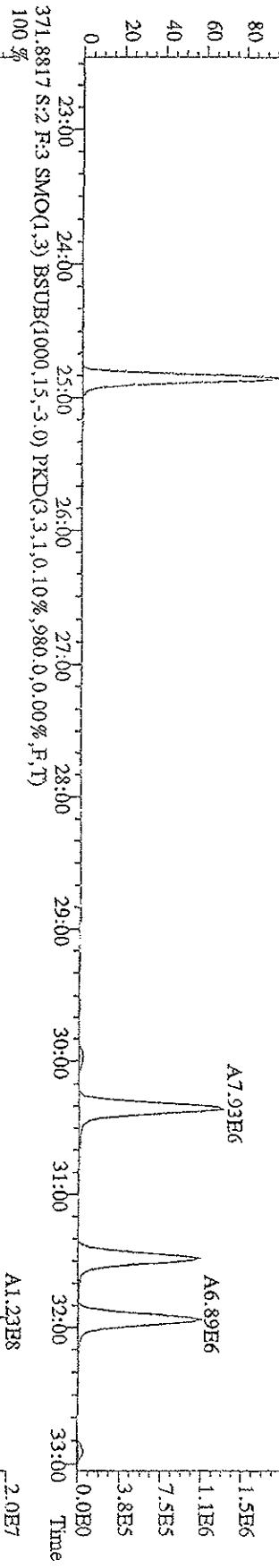
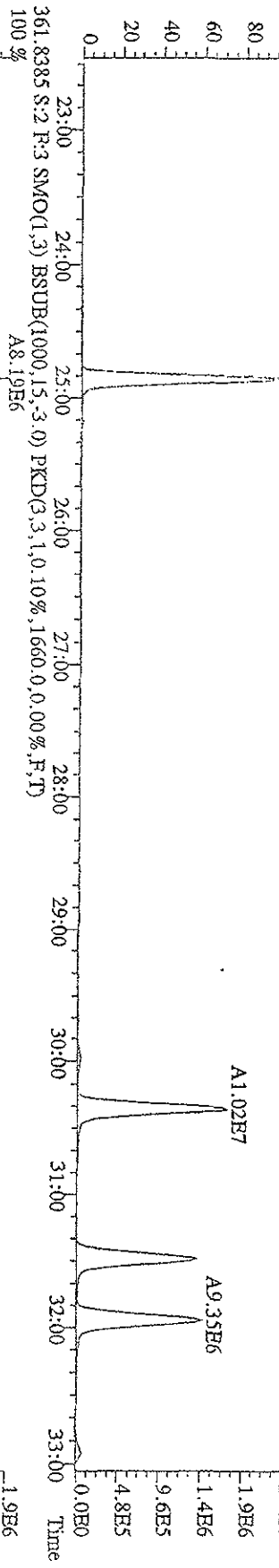
File:151A09DD9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC BI+ Voltage SIR Autospec-UltraME  
 Sample#2 Text:ST0115A :CS2 09DDXNO15 Exp:209DB5  
 323.8834 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1872.0,0.00%,F,T)



File:151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2328,0,0,00%,F,T)  
 100%

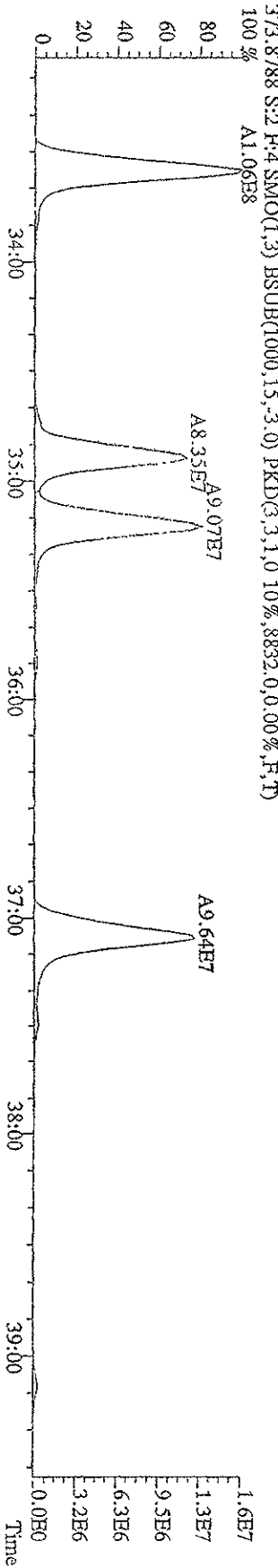
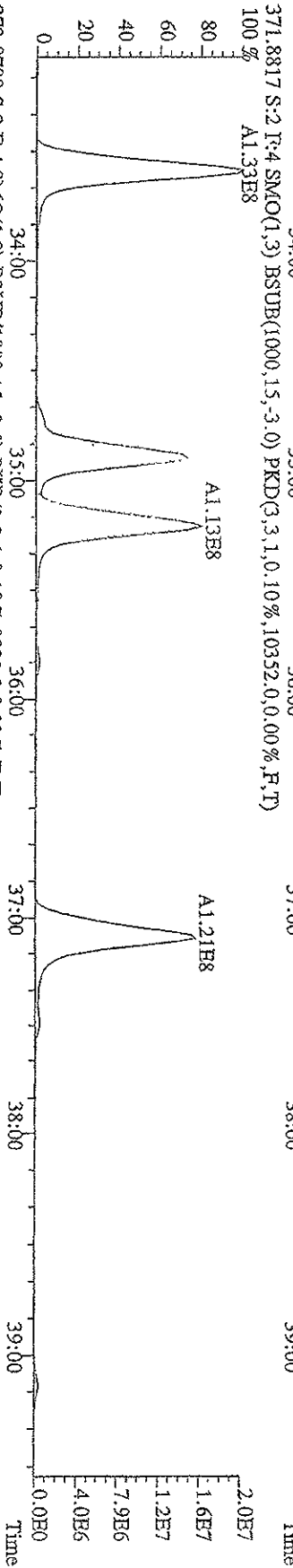
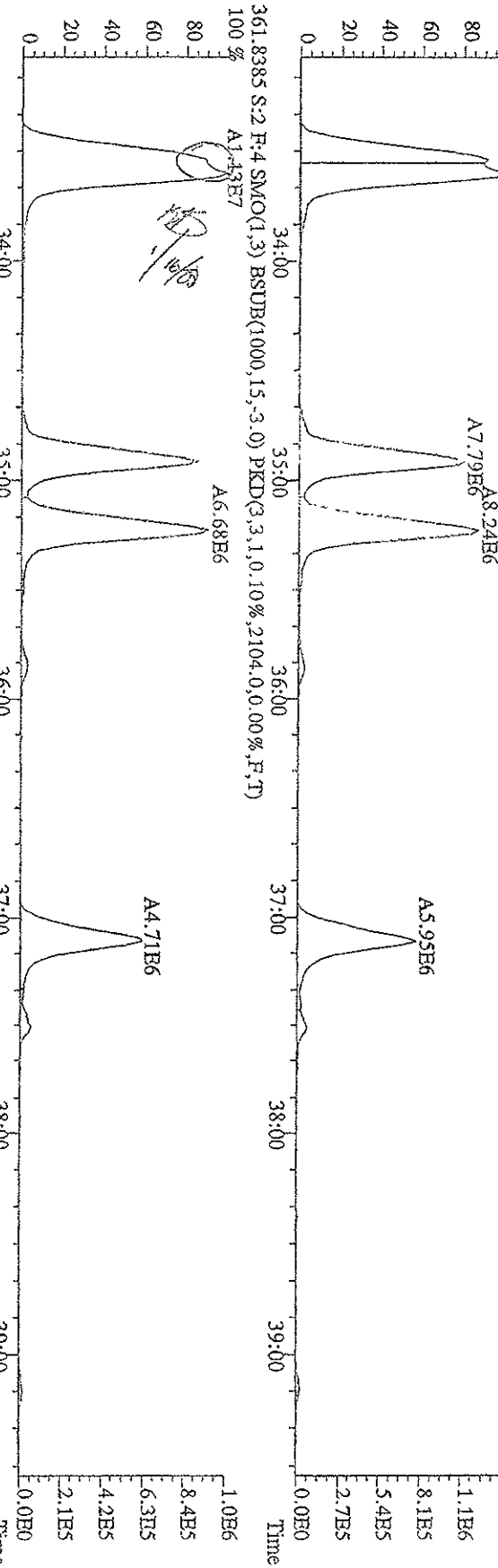


File:15IA09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaH  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359.8415 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1556,0,0,00%,F,T)  
 100% A1.07E7

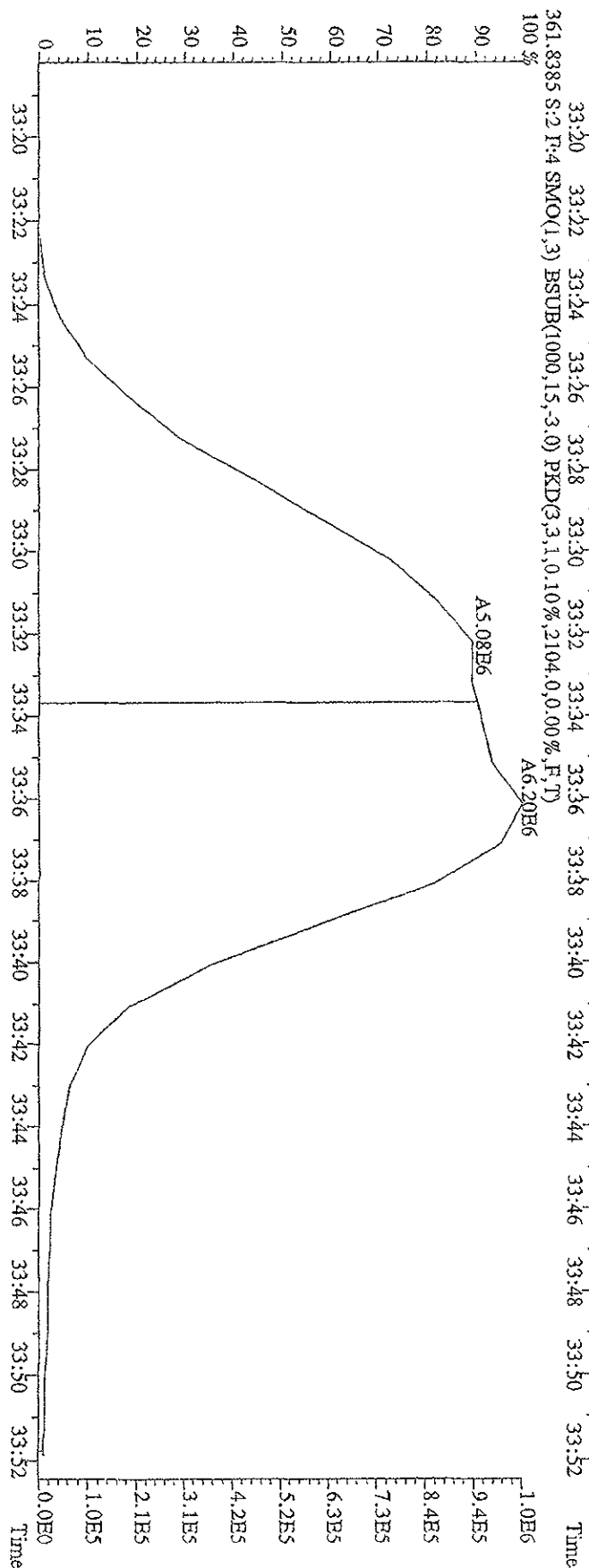
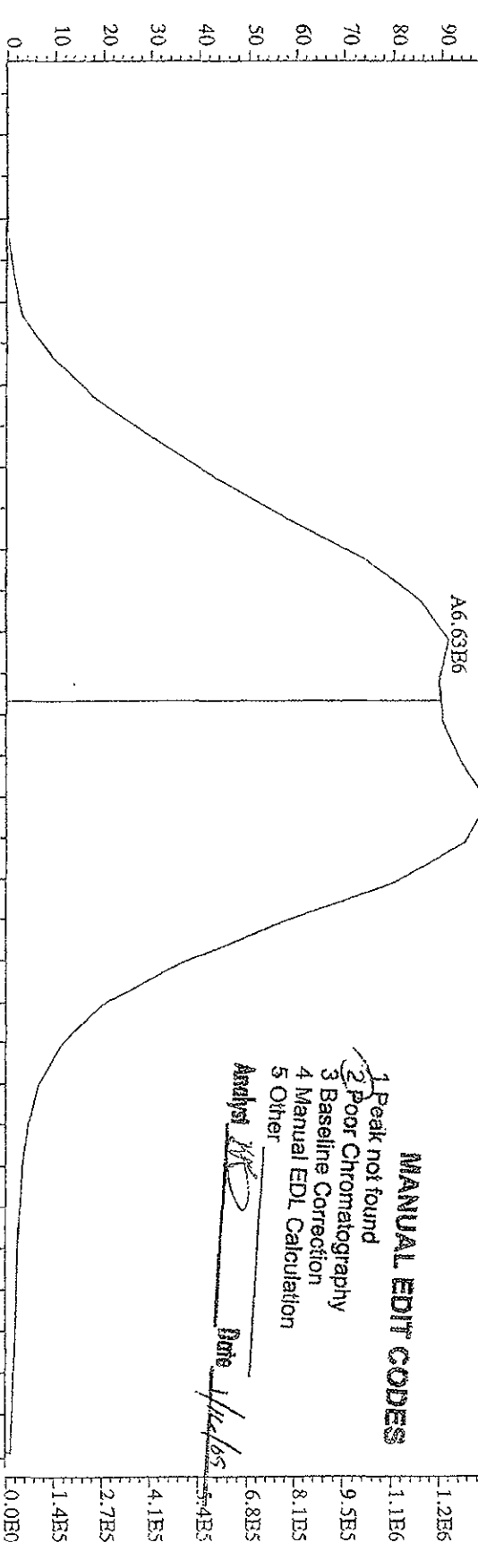




File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 21:16:36 GC: EI+ Voltage: SIR Autospec-Ultimate  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2520,0,0,00%,F,T)  
 100% A8.65E6



File:151A09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC BI + Voltage STR Autospec-UltimaE  
 Sample#2 Text:STU115A :CS2 09DXN015 Bxp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2520,0.0,00%,F,T)  
 100 %

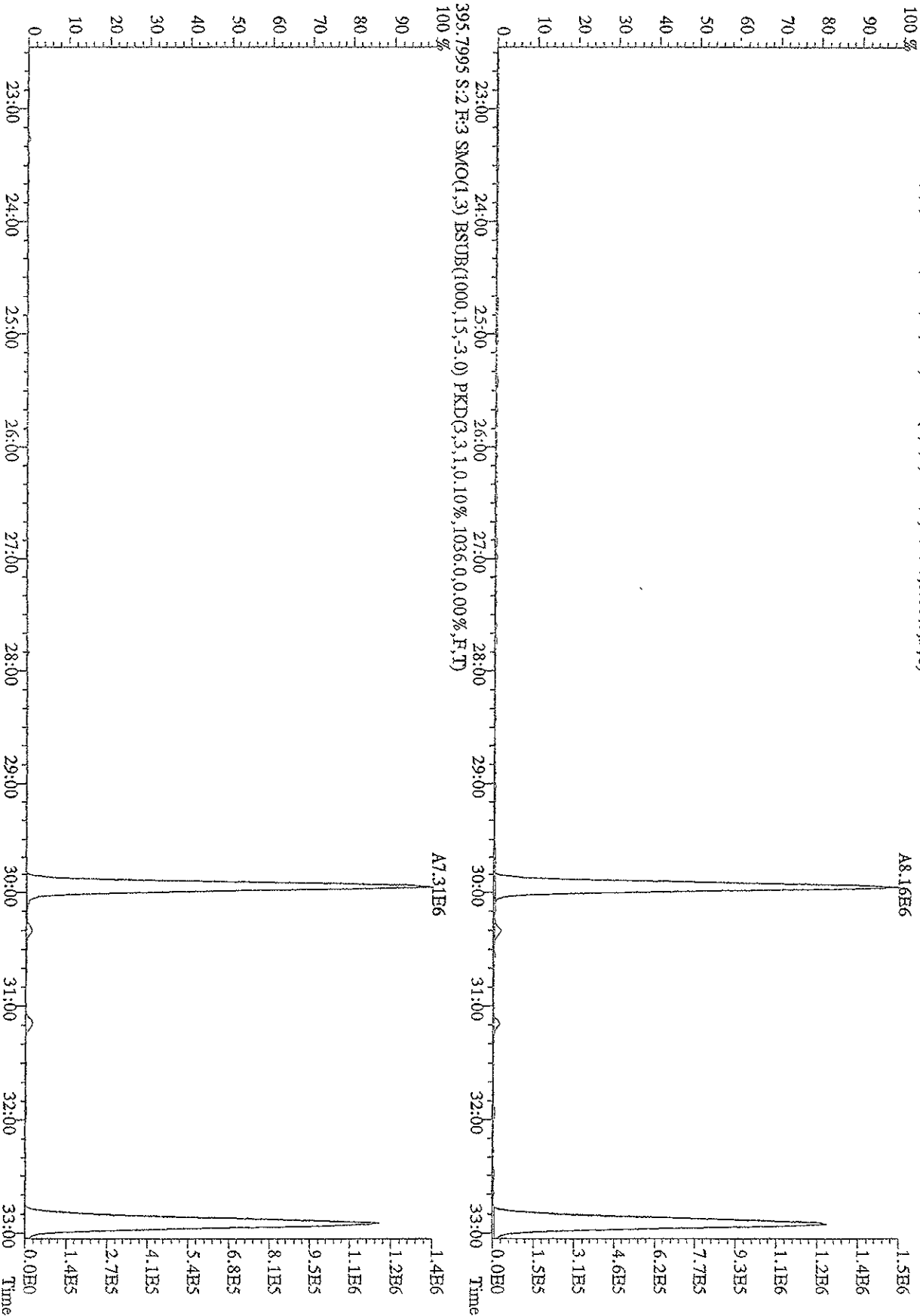


**MANUAL EDIT CODES**

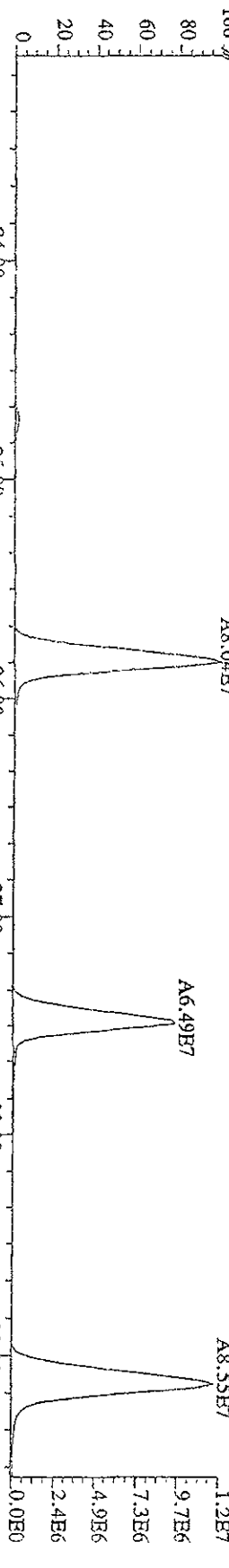
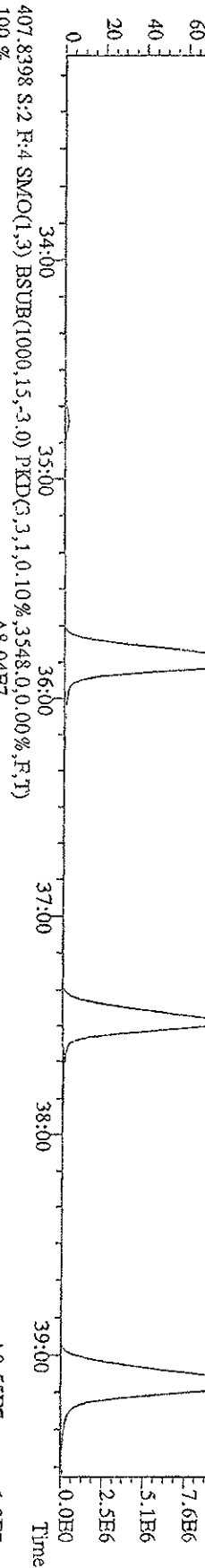
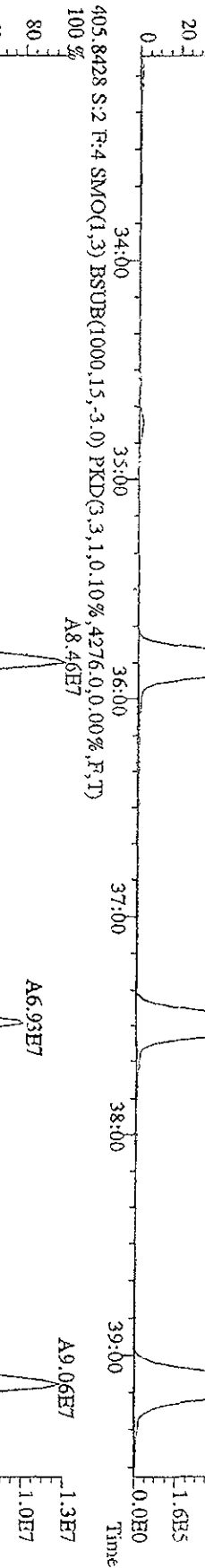
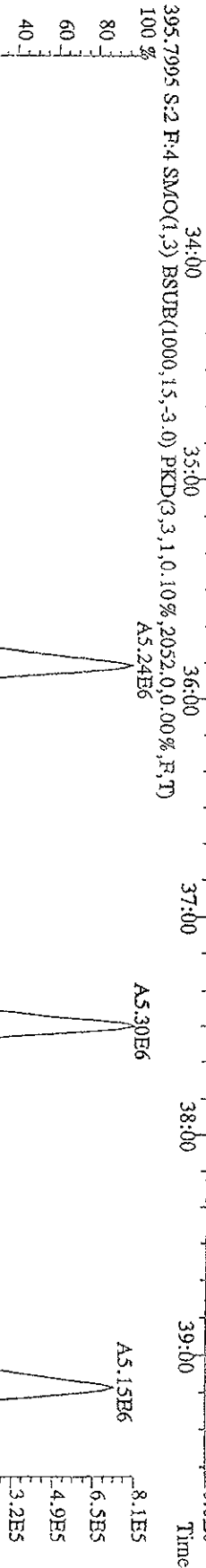
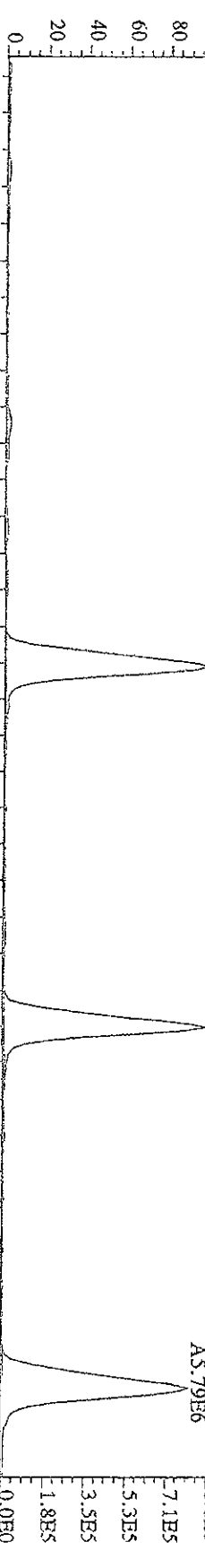
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst W Date 1/16/09

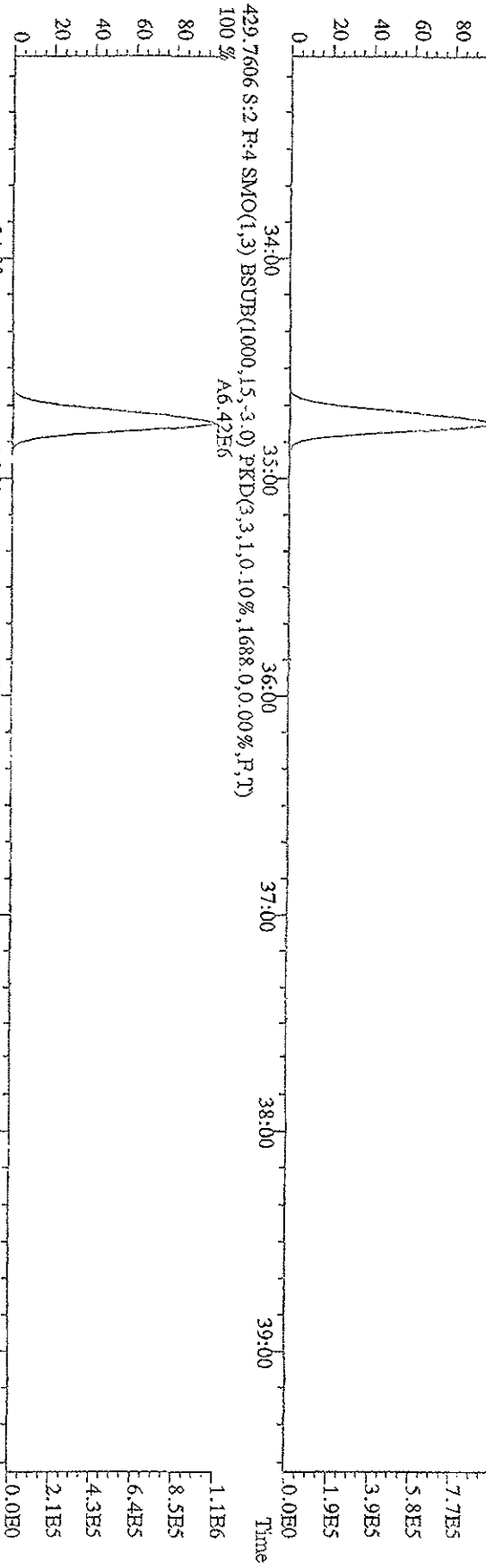
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 21:16:36 GC EI + Voltage SFR Autospec-Ultimate  
Sample#2 Text: ST0115A :CS2 09DDXN015 Exp: 209DB5  
393.8025 S: 2 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1036,0,0,00%,F,T)



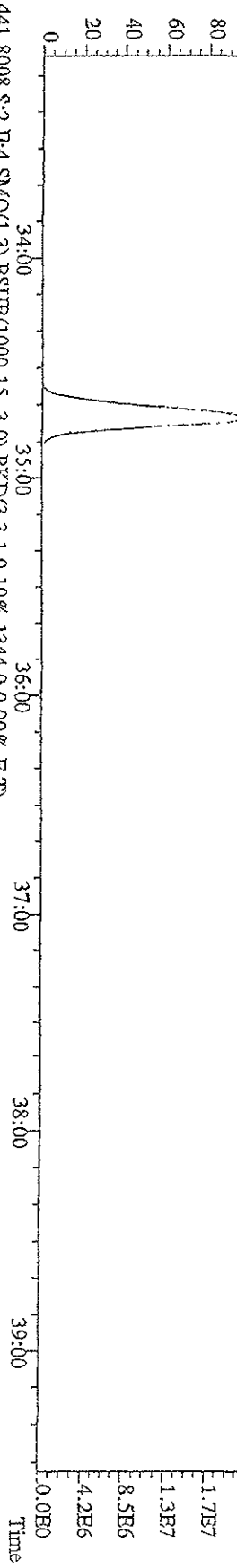
File:151A09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,4600,0.0,0.00%,F,T)  
 AS.87E6



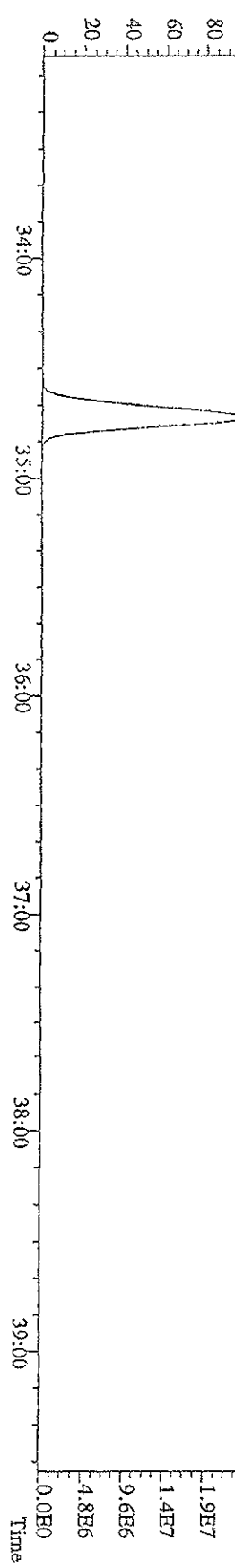
File:151A09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC:EI+ Voltage:50V Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 427.7635 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3.1,0.10%,1688,0,0.00%,F,T)  
 A5.83E6



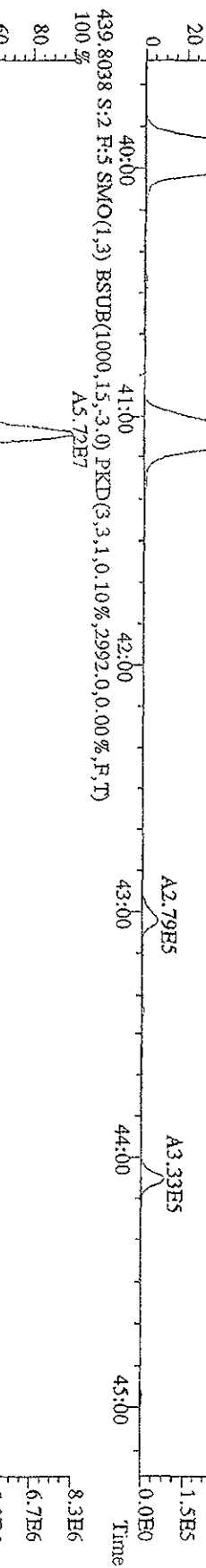
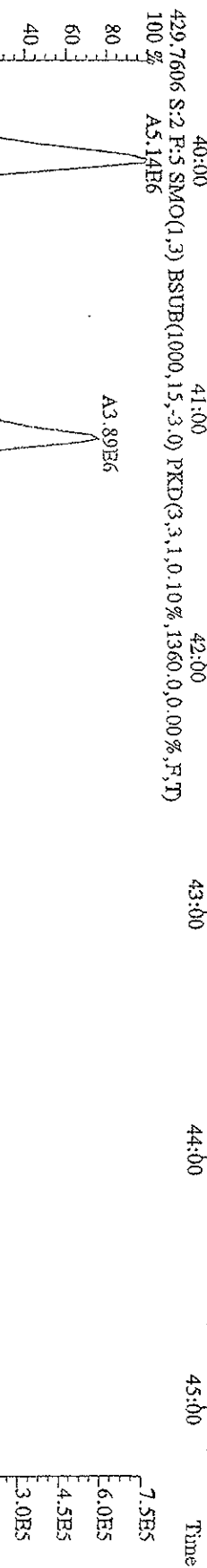
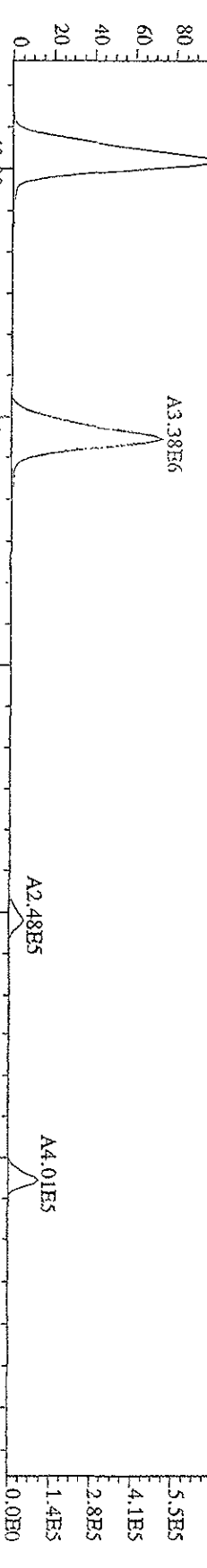
429.7606 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3.1,0.10%,1688,0,0.00%,F,T)  
 A6.42E6



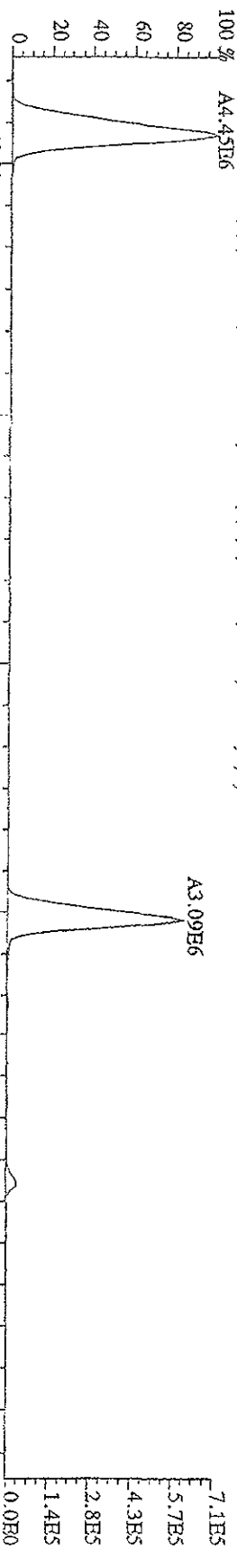
441.8008 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3.1,0.10%,1344,0,0.00%,F,T)  
 A1.50E8



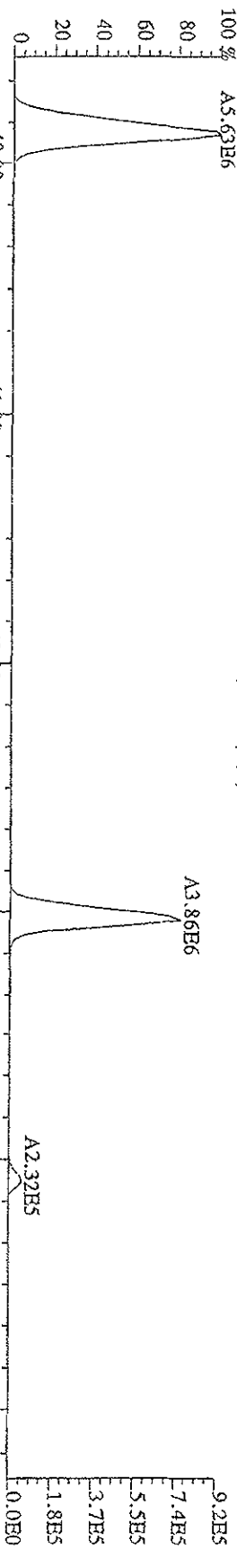
File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-UltimaF  
 Sample#2 Text:ST0115A :CS2 (9DXN015 Exp:209DB5  
 427.7635 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,592.0,0.00%,F,T)  
 100 % A4.581E6



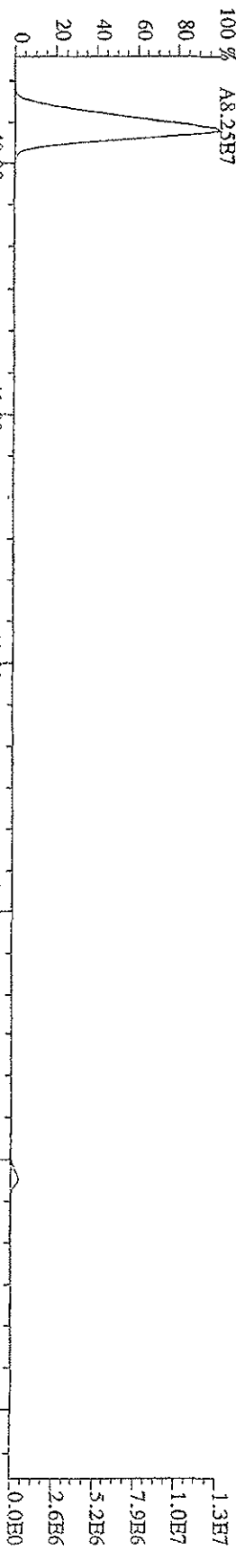
File: 151A09D9D5 #1-379 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage: SIR Autospec-UltimaB  
 Sample#2 Text: ST0115A : CS2 09DXN015 Exp: 209DB5  
 461.7245 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,460.0,0.00%,F,T)  
 100% A4.45E6



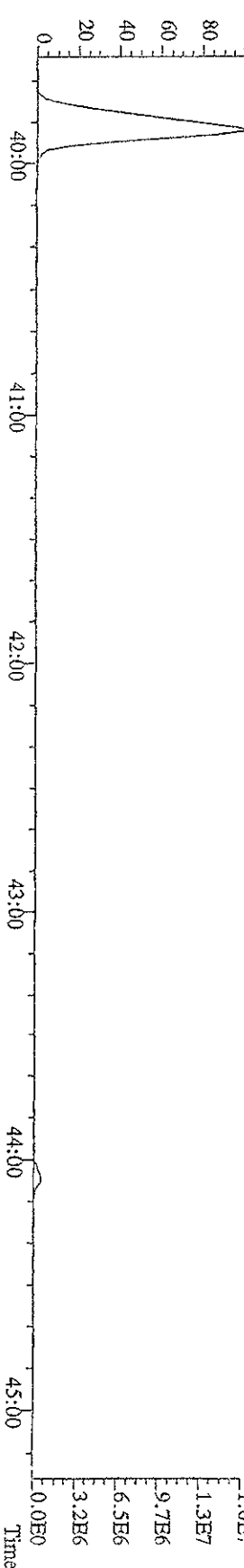
463.7216 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,420.0,0.00%,F,T)  
 100% A5.63E6



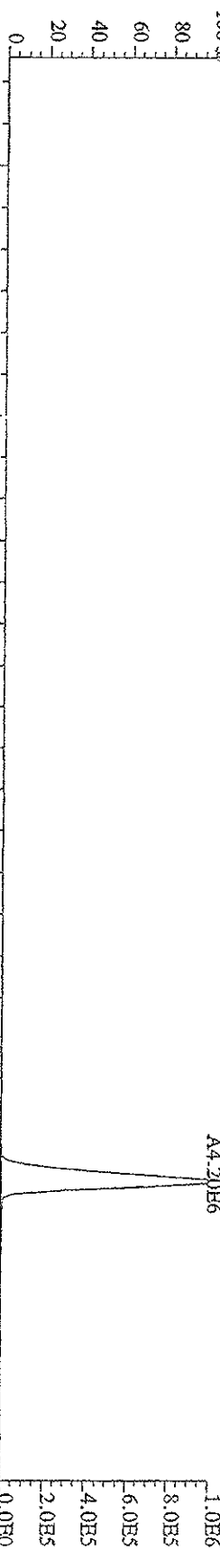
473.7648 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1600.0,0.00%,F,T)  
 100% A8.25E7



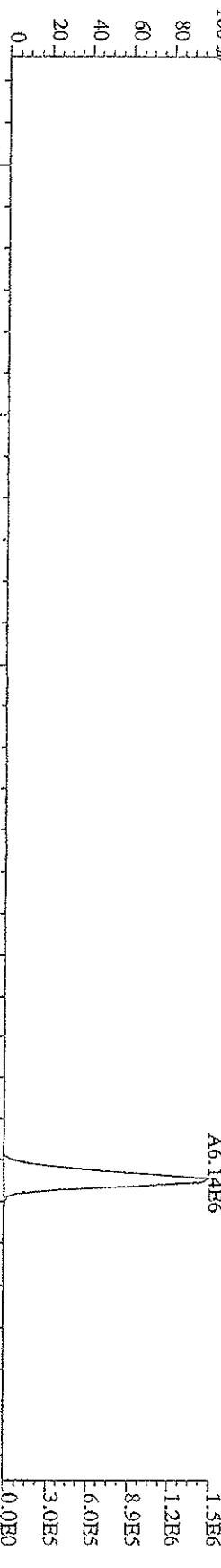
475.7619 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1392.0,0.00%,F,T)  
 100% A1.03E8



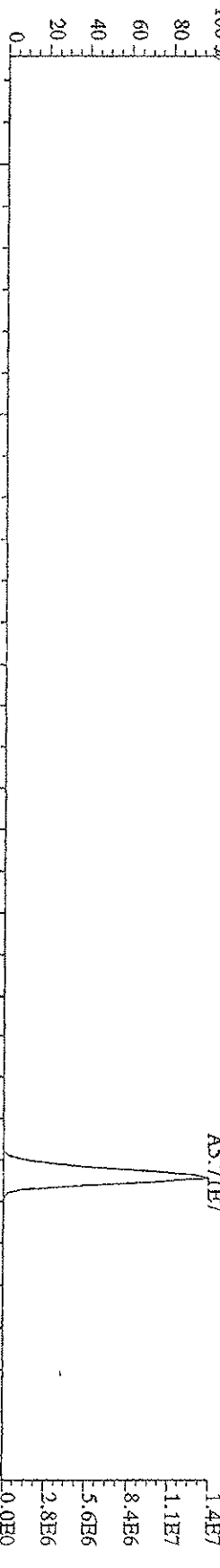
File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UHimaB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 495.6856 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,876,0,0,00%,F,T)



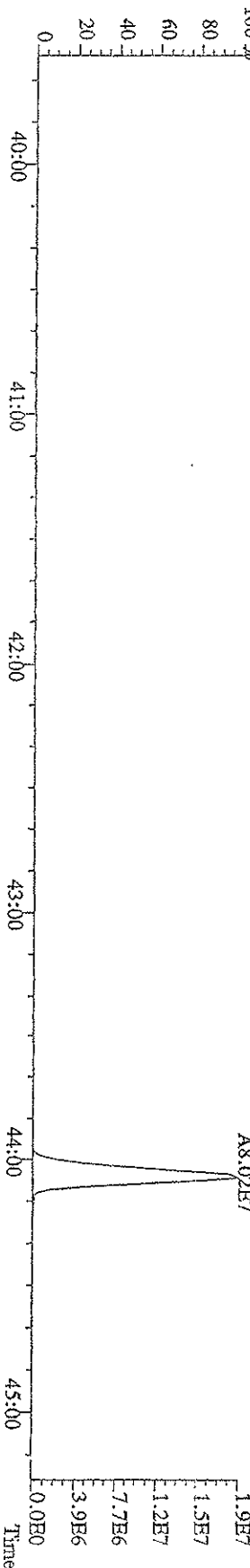
497.6826 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,556,0,0,00%,F,T)



507.7258 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,264,0,0,00%,F,T)

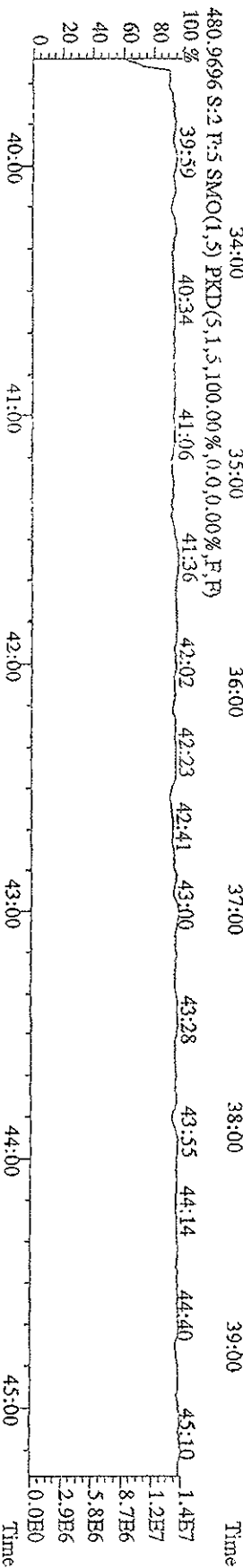
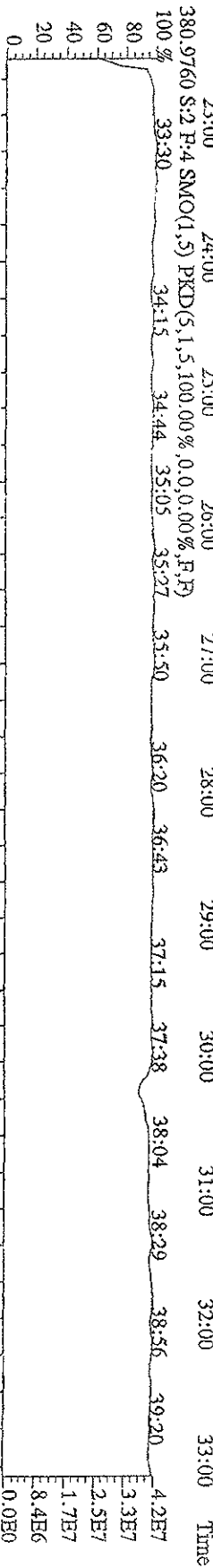
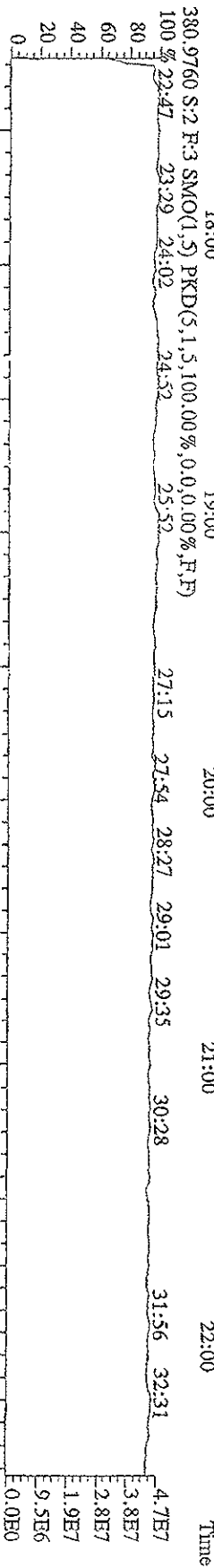
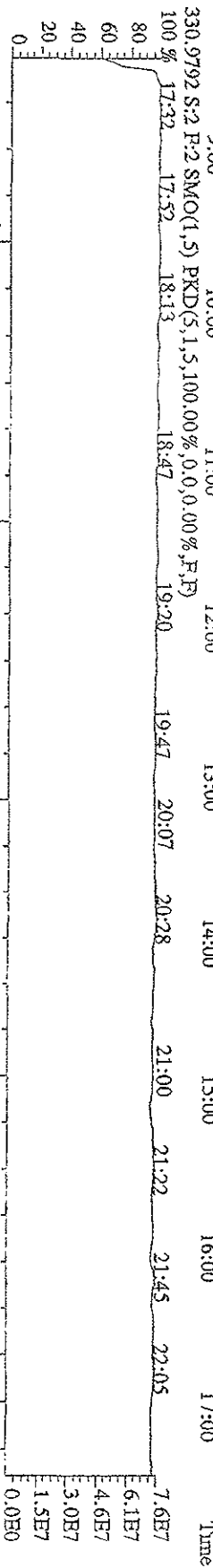
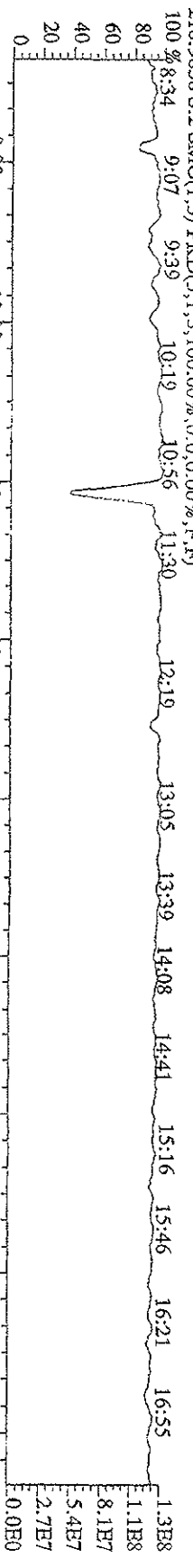


509.7229 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,36,0,0,00%,F,T)



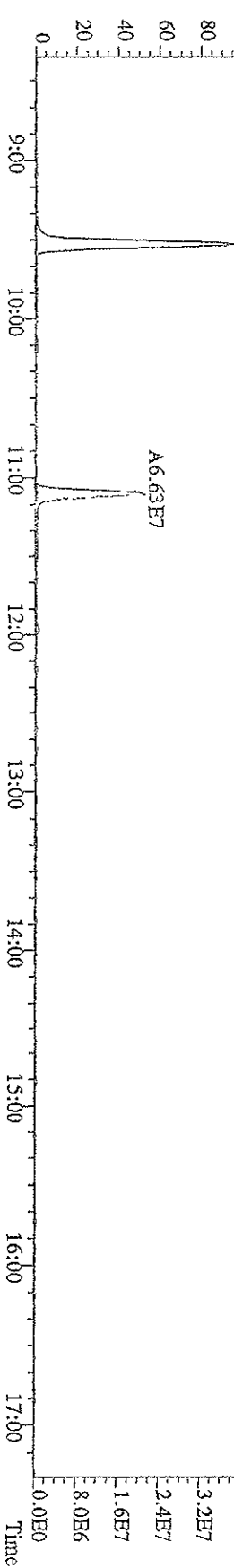
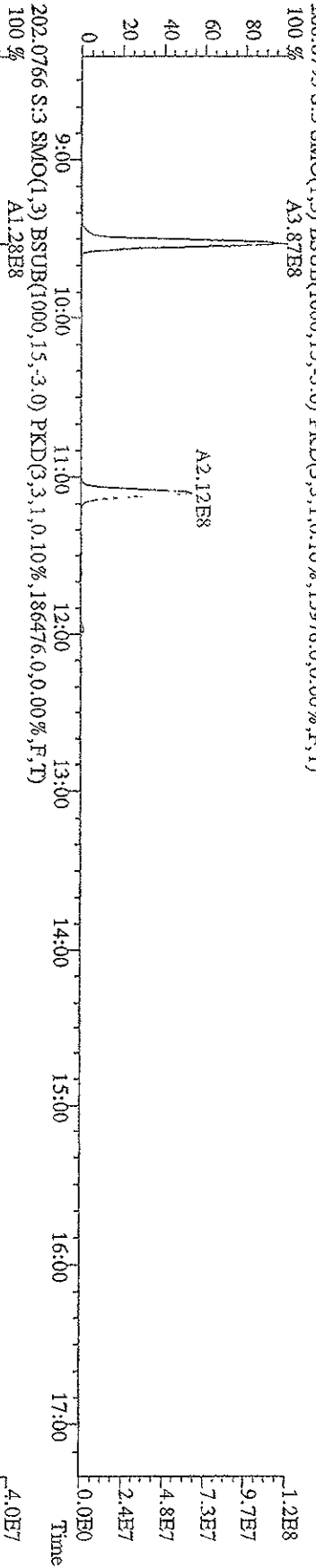
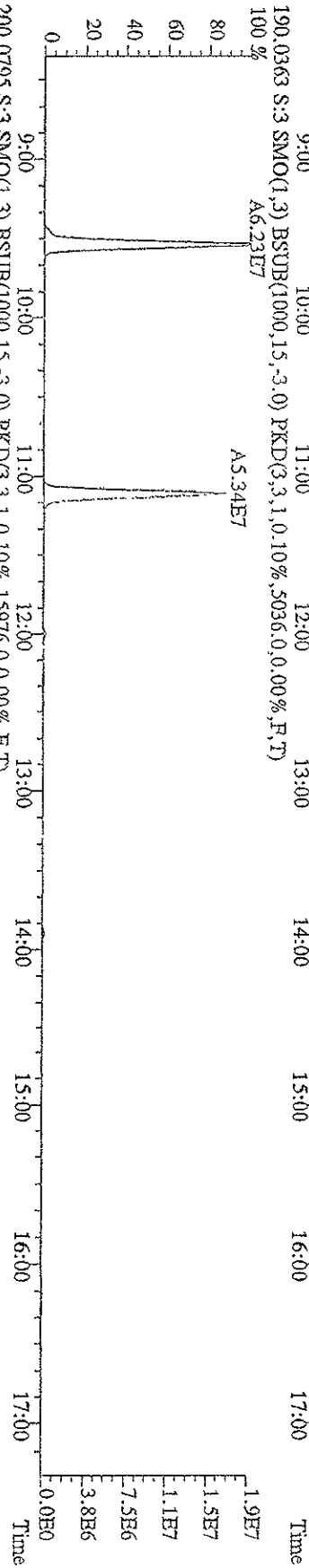
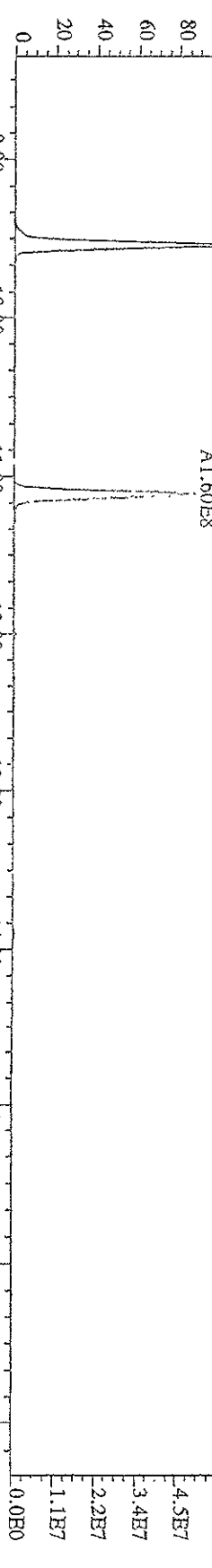


File:151A09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5

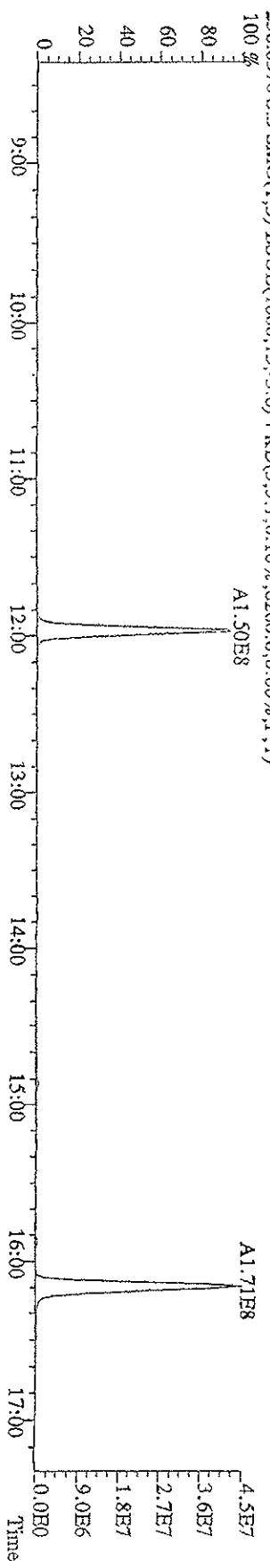
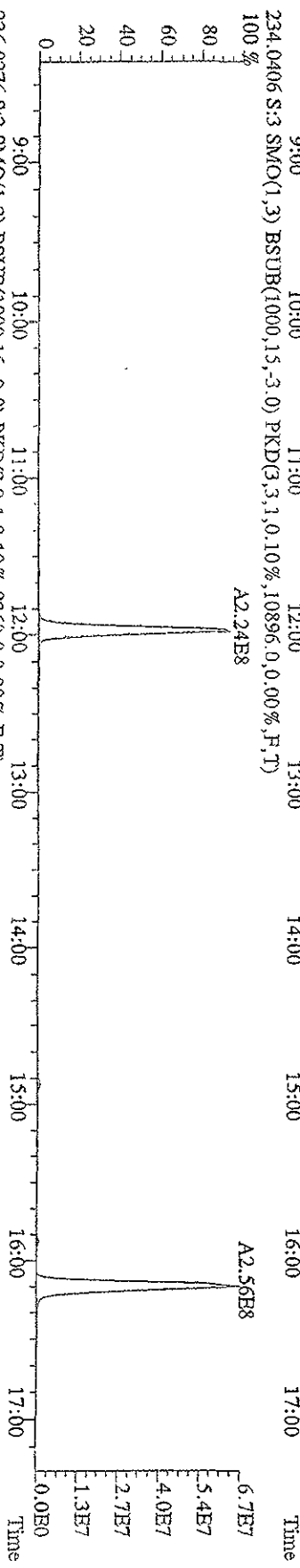
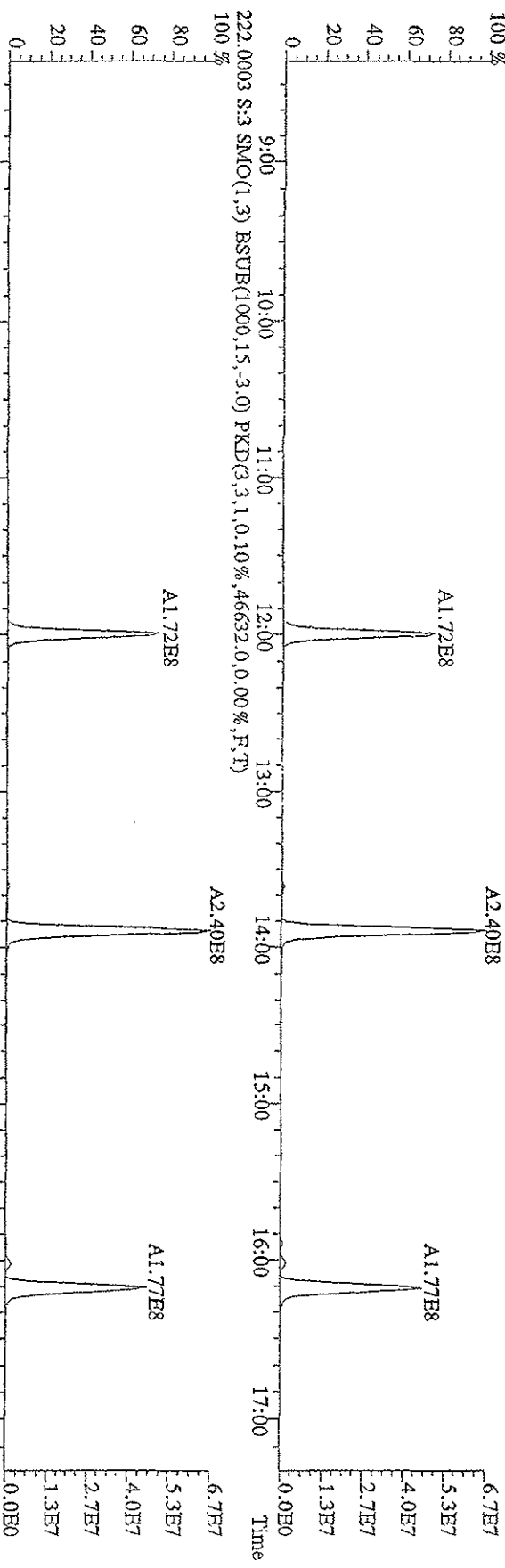


File: 151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage 50V Autospec-Ultimate

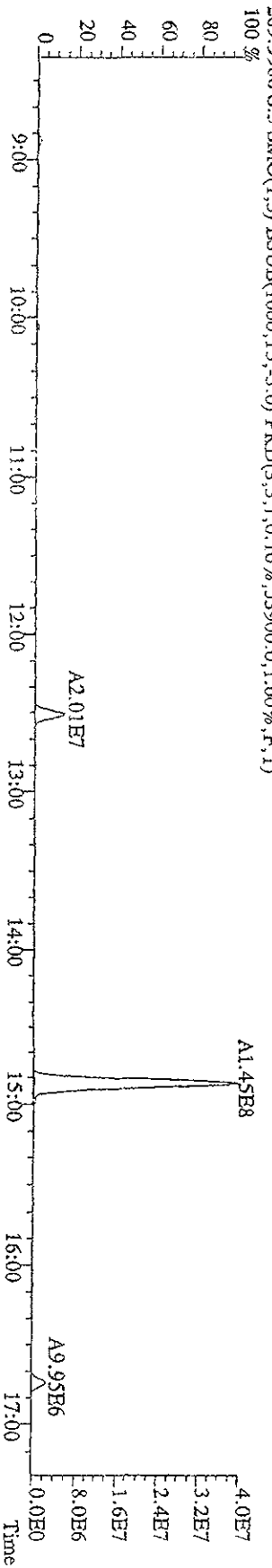
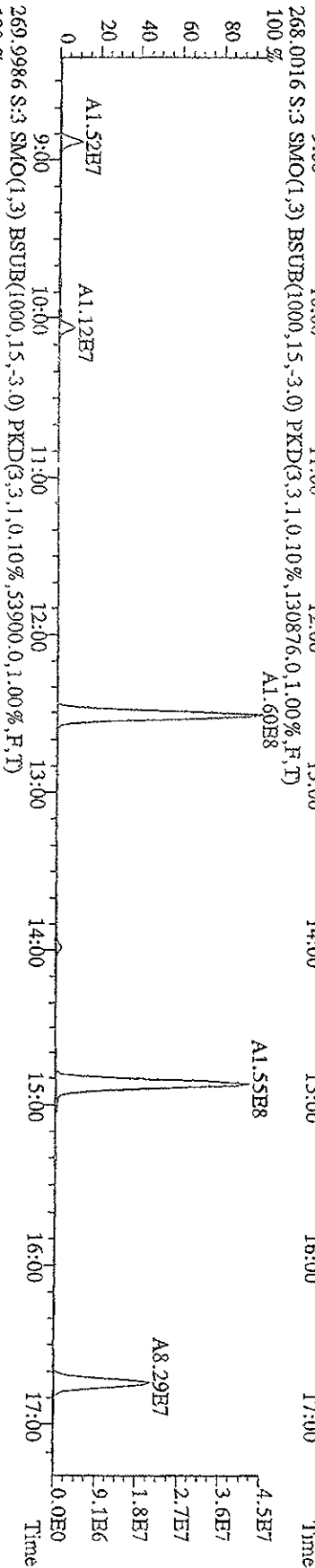
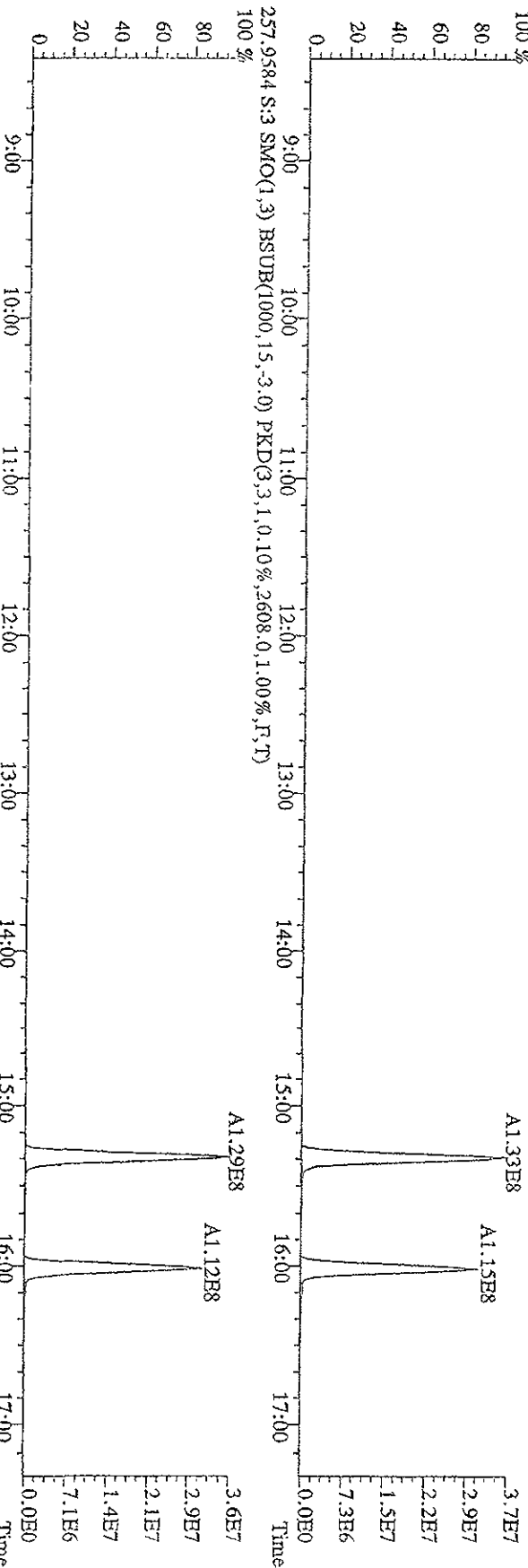
Sample#3 Text:ST0115B .CS3 09DXN016 Exp:209DB5



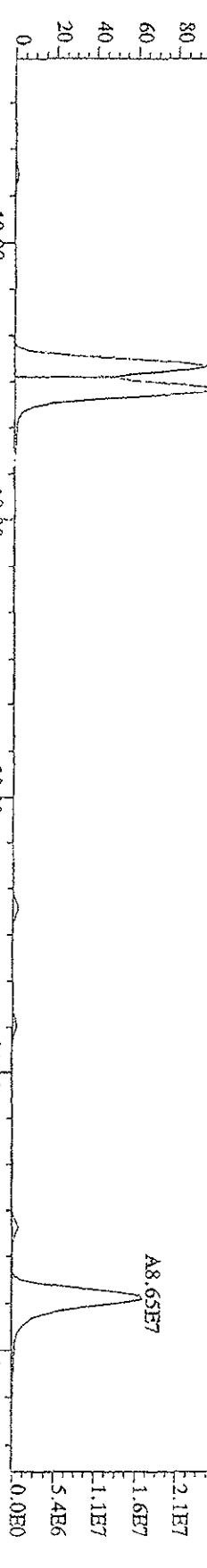
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 222.0003 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,46632,0,0,00%,F,T)



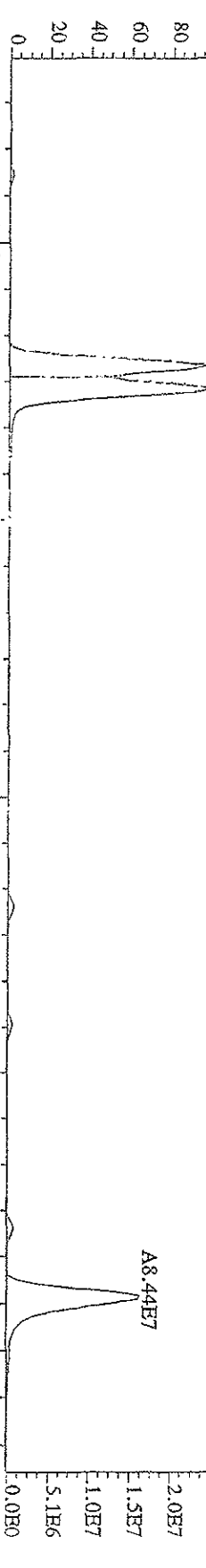
File:157A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 255.9613 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,.5848,0,1.00%,F,T)



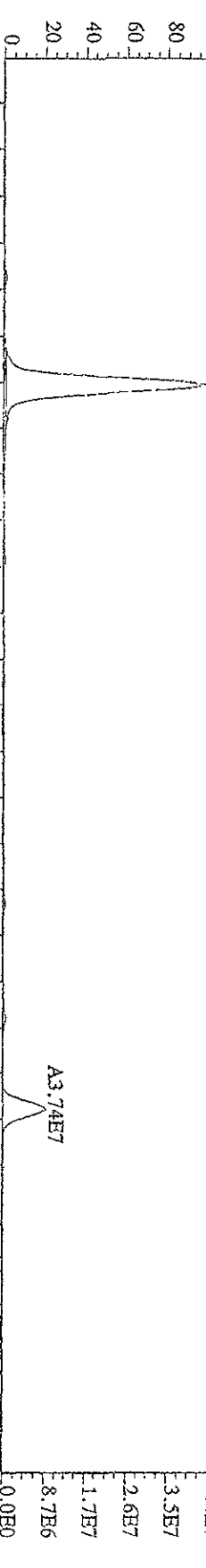
File:151A09D9D5 #1-371 Acq:15-1AN-2009 22:07:59 GC EI + Voltage SIR Autospec-UltimaF  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 255 9613 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10996,0,1,00%,F,T)



257 9584 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,8488,0,1,00%,F,T)



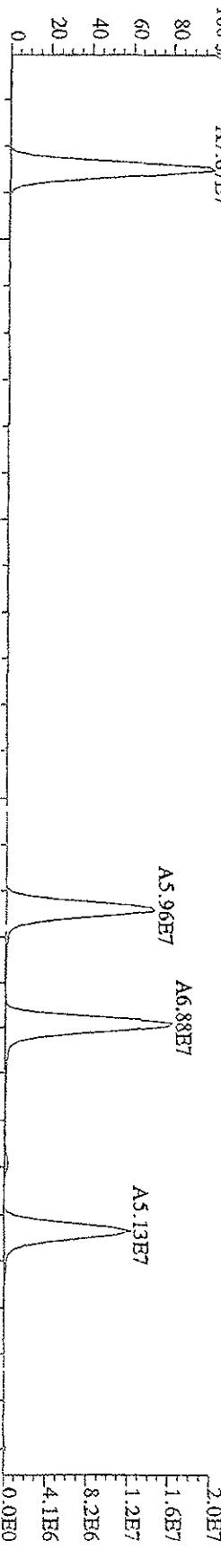
268 0016 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,147332,0,1,00%,F,T)



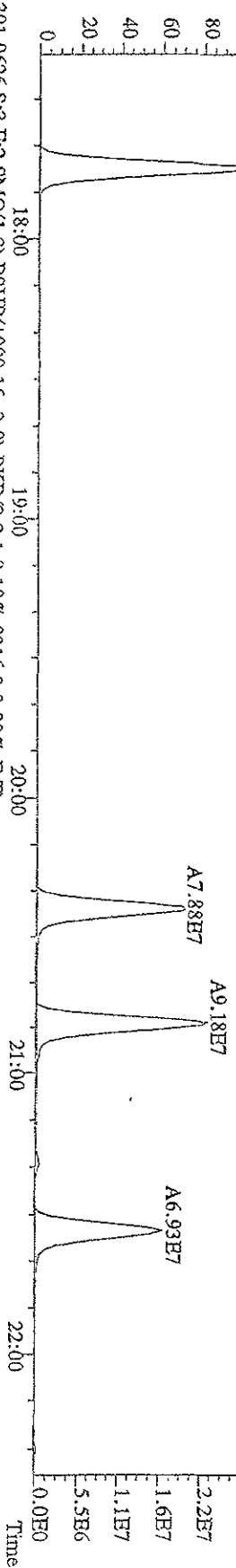
269 9986 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,97768,0,1,00%,F,T)



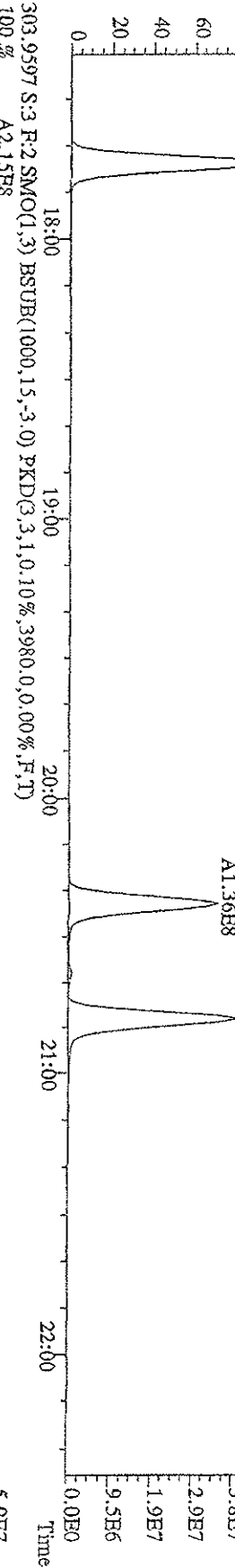
File:15JA09D9D5 #1-371 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UHimaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 289.9224 S:3 F:2 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,1,0,10%,1500 0,0,00%,F,T)  
 100% A7.67E7



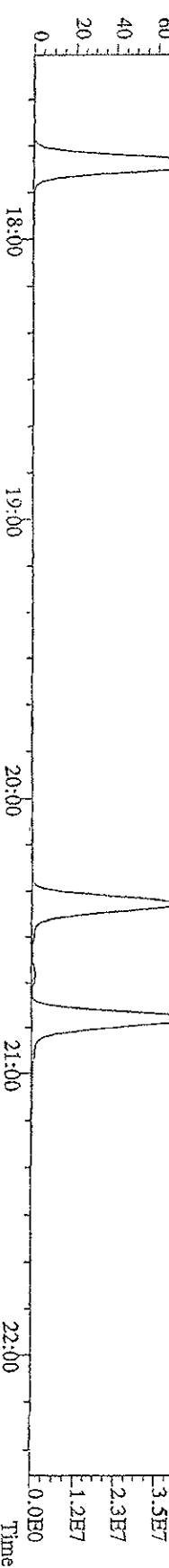
291.9194 S:3 F:2 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,1,0,10%,4632 0,0,00%,F,T)  
 100% A1.03E8



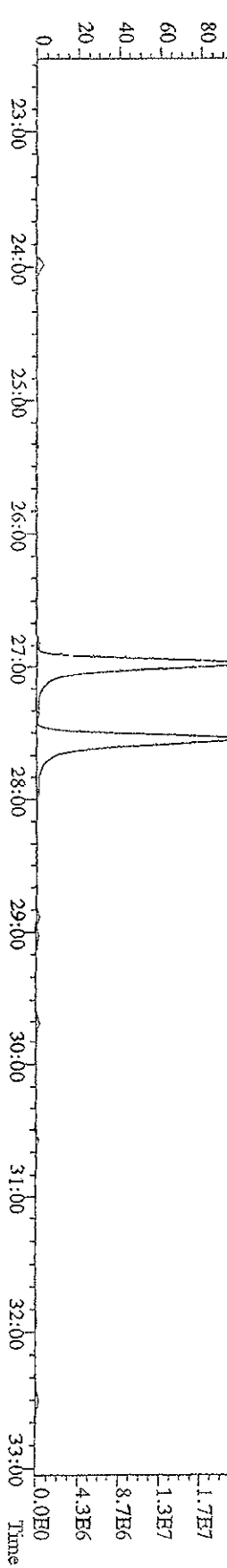
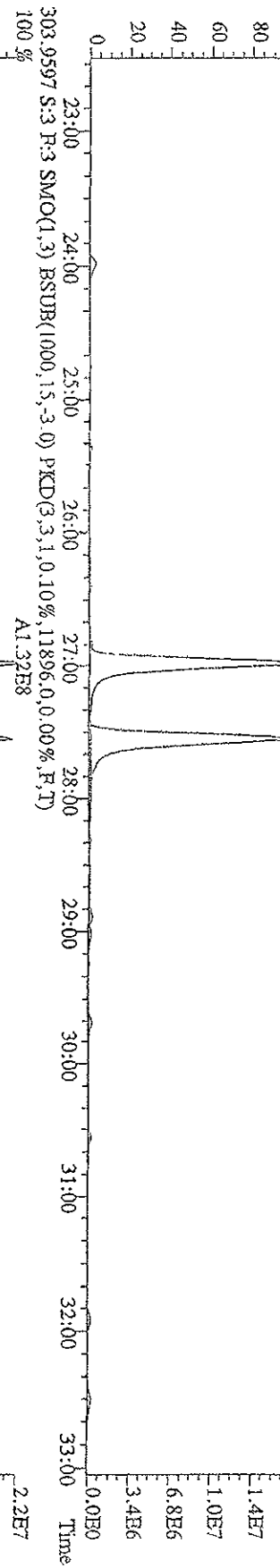
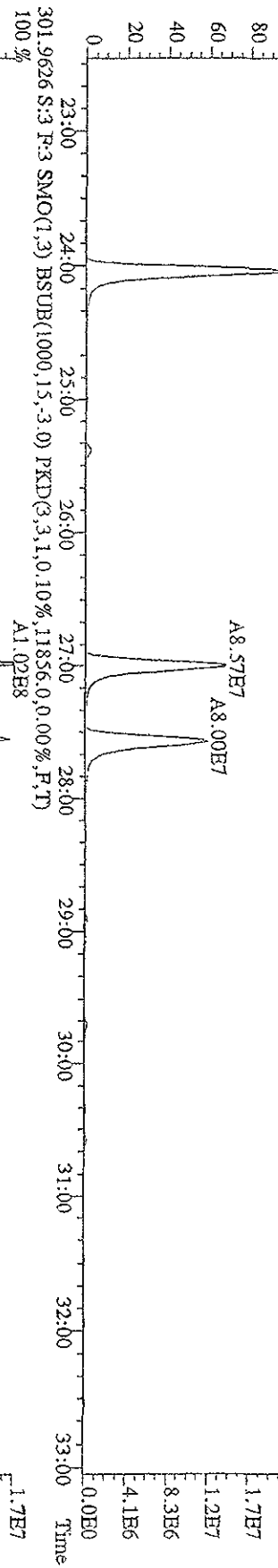
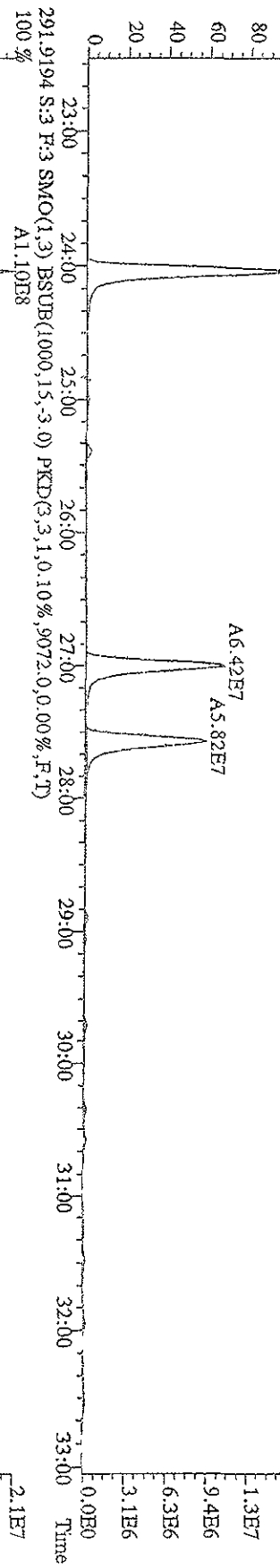
301.9626 S:3 F:2 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,1,0,10%,8316 0,0,00%,F,T)  
 100% A1.75E8



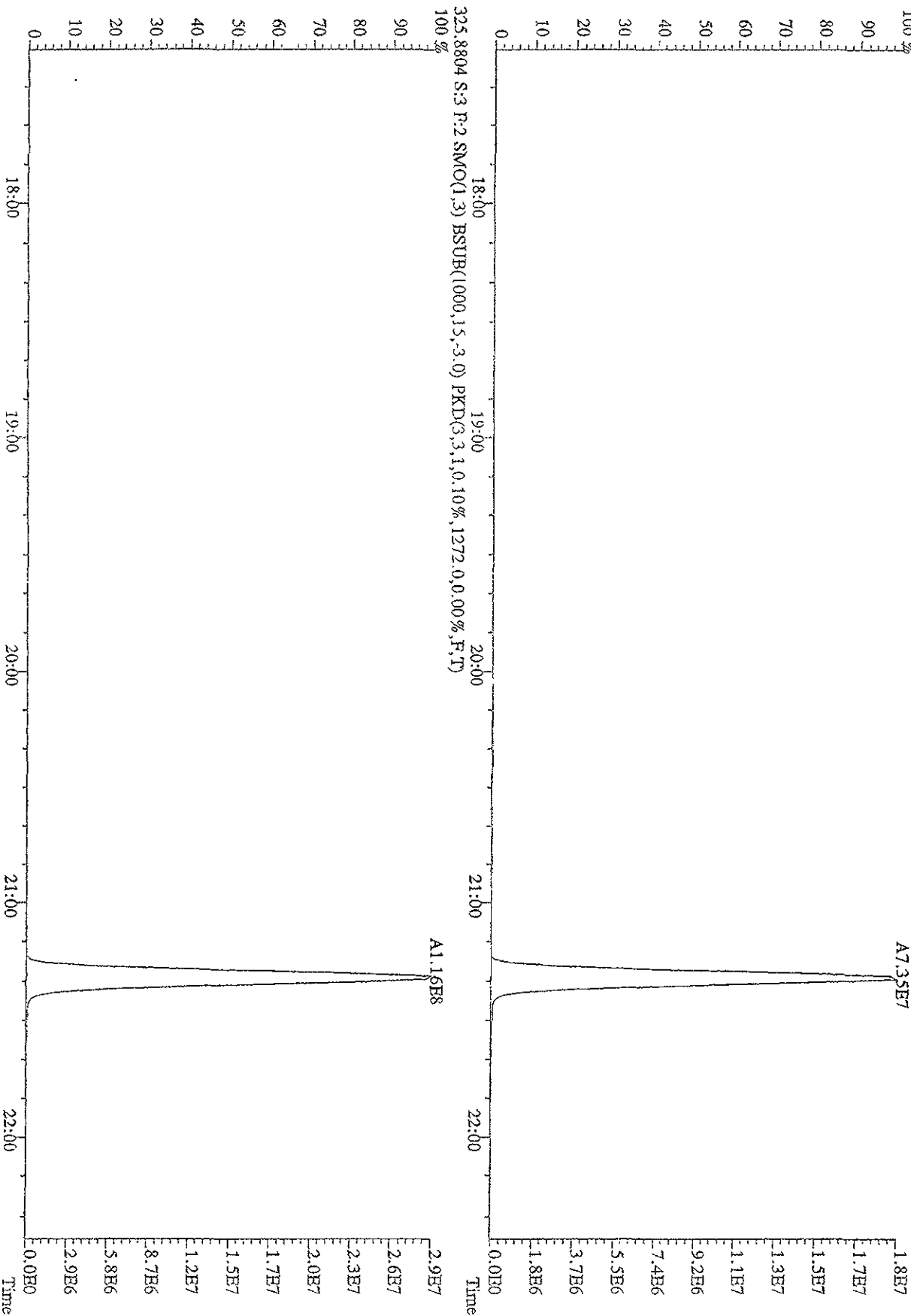
303.9597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,1,0,10%,3980 0,0,00%,F,T)  
 100% A2.15E8



File: 151A09DD9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 289.9224 S:3 R:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7528,0,0,00%,F,T)  
 100% A8.28E7

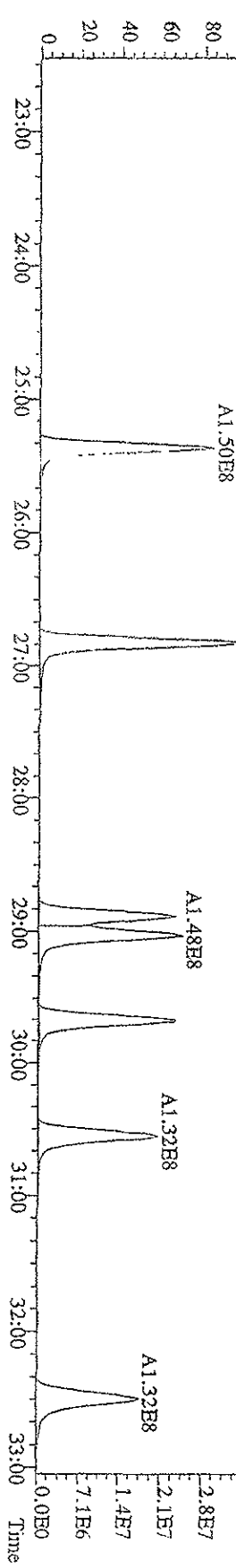
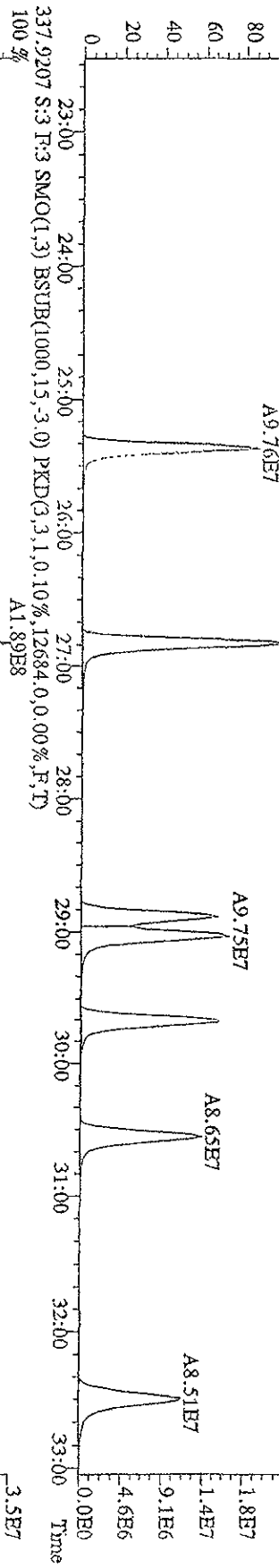
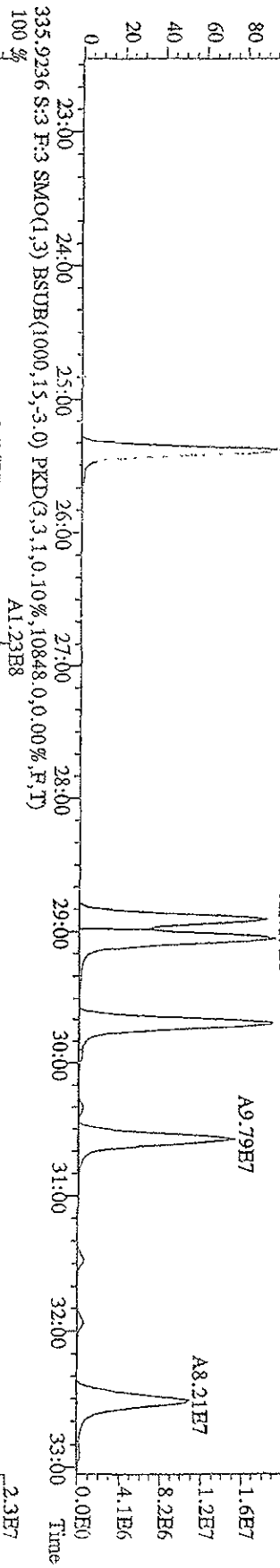
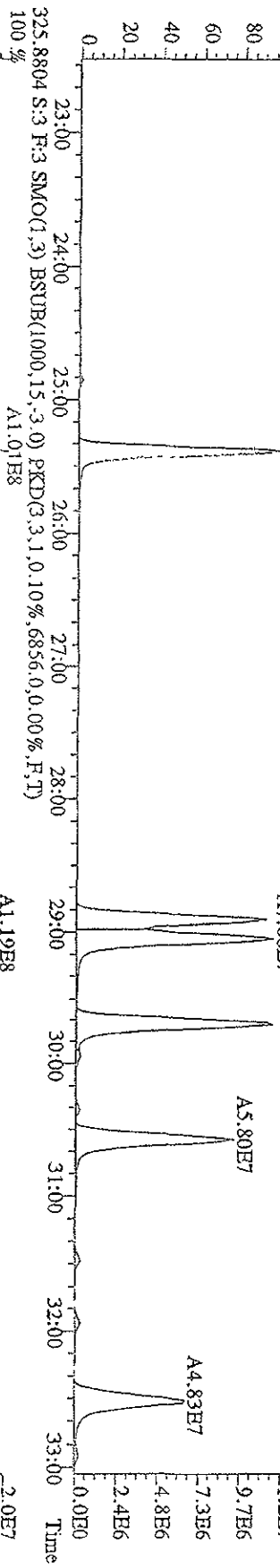


File:151A09D9D5 #1-371 Acq:15-1-AN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 323.8834 S:3 F:2 SMO(1,3) BSVB(1000,15,-3,0) PKD(3,3,1,0,10%,1856,0,0,00%,F,T)

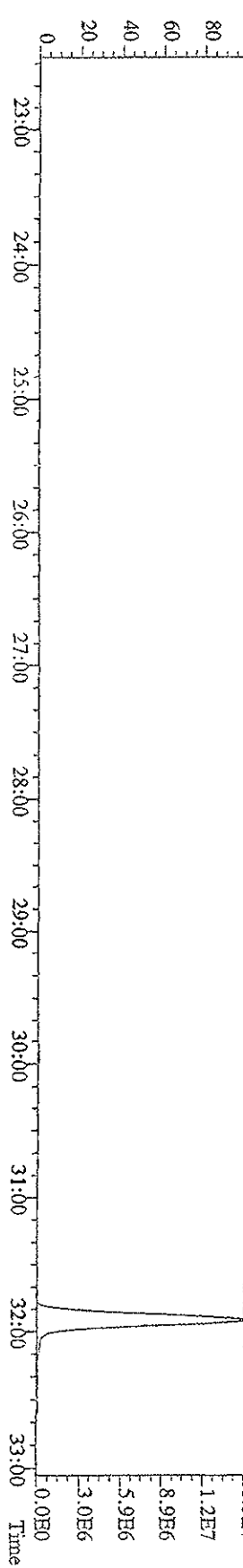
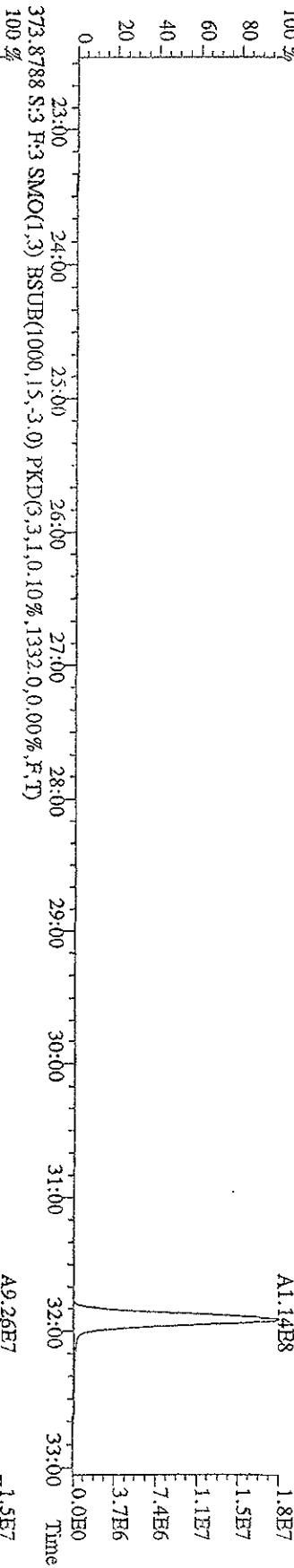
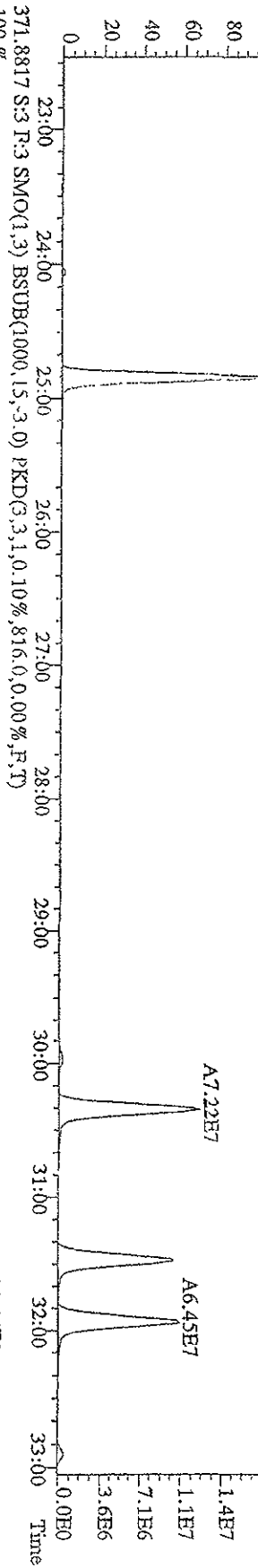
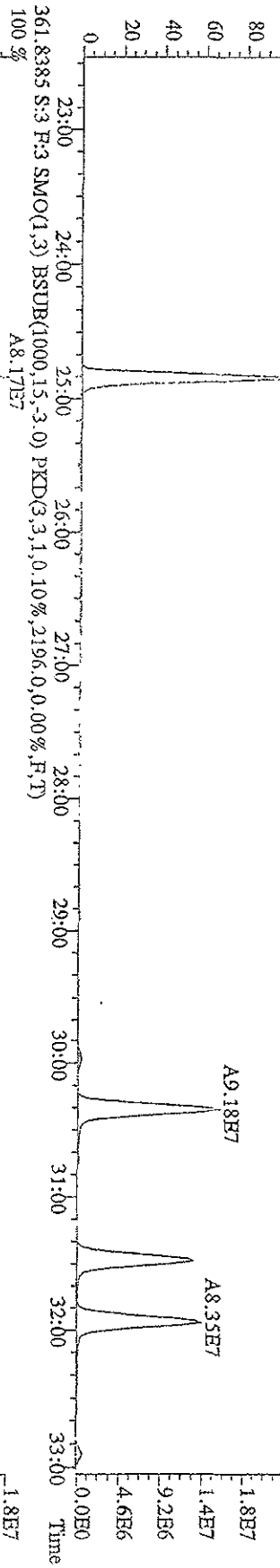




File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC: EI+ Voltage: SIR Autospec-UltimaB  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6616,0,0,00%,F,T)  
 100%



File: 15IA09DD9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample #3 Text: S10115B :CS3 09DXN016 Exp: 209DB5  
 359.8415 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1732,0,0,00%,F,T)  
 100% A1.05E8

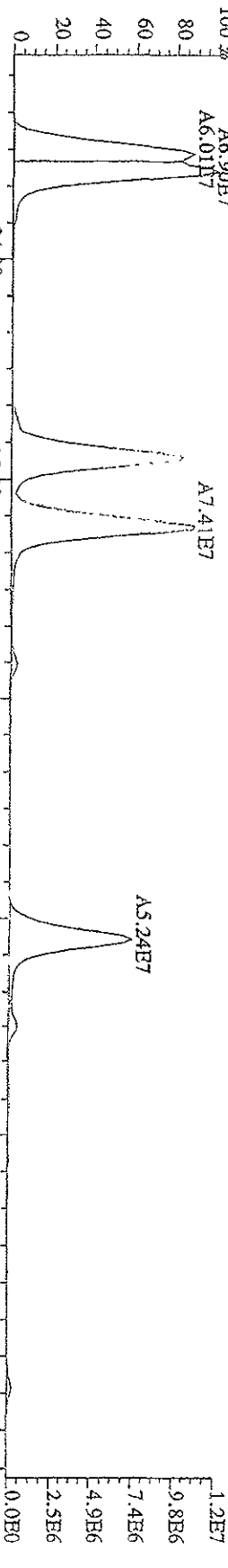


File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:07.59 GC EI+ Voltage STR Autospec-UltimaB

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

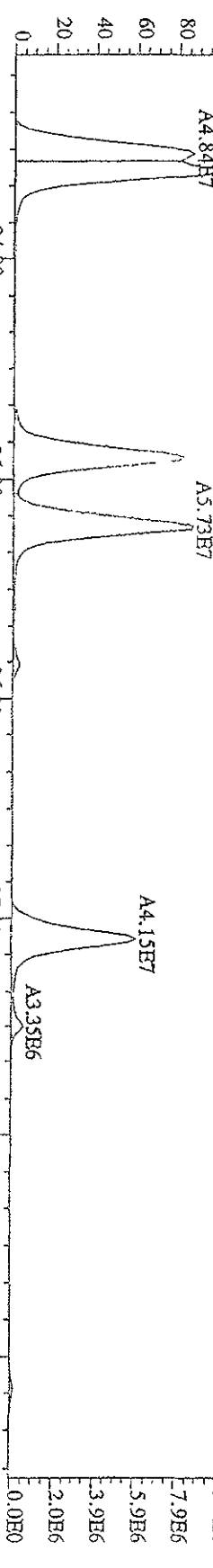
359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,11592.0,0.00%,F,T)

100 %



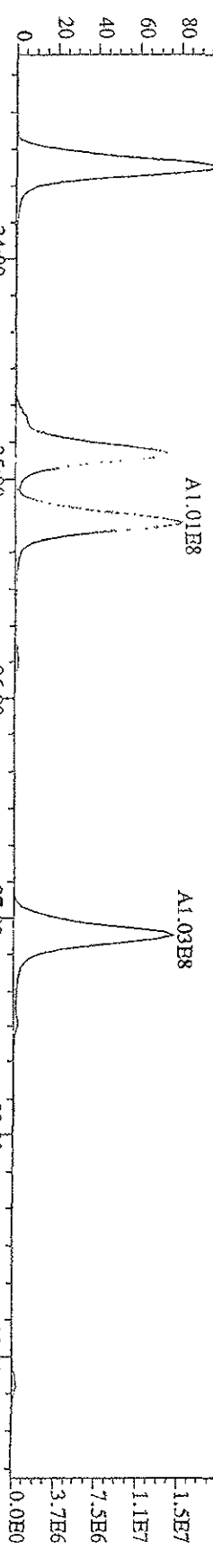
361.8385 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,12112.0,0.00%,F,T)

100 %



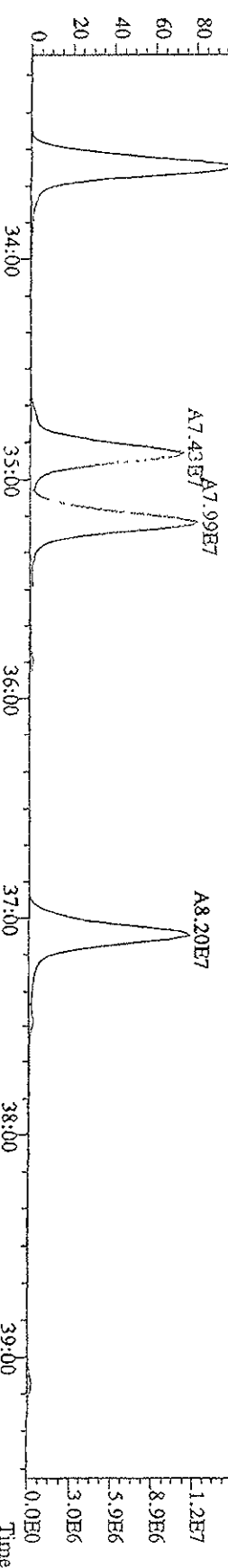
371.8817 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,9036.0,0.00%,F,T)

100 %

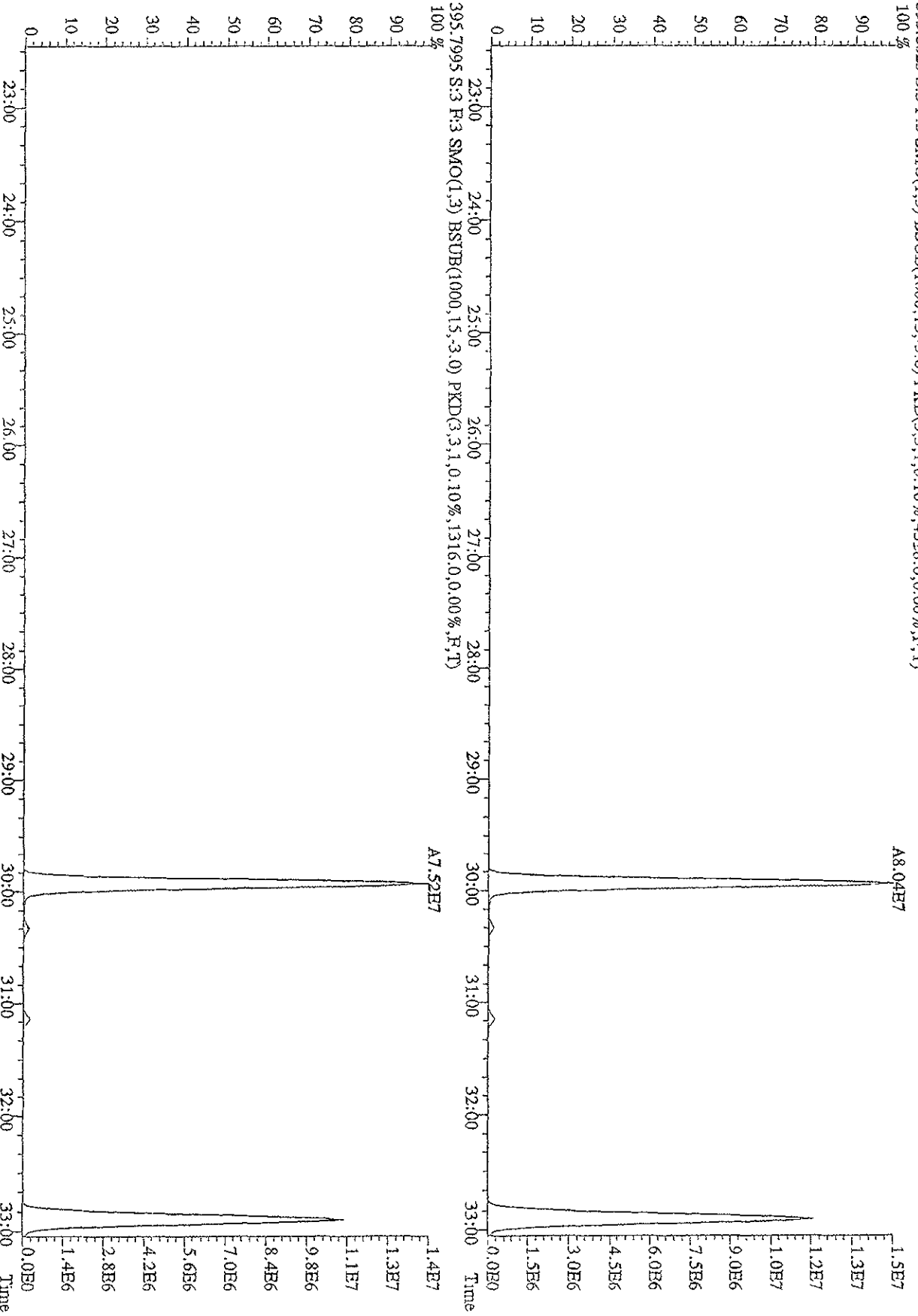


373.8788 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,7288.0,0.00%,F,T)

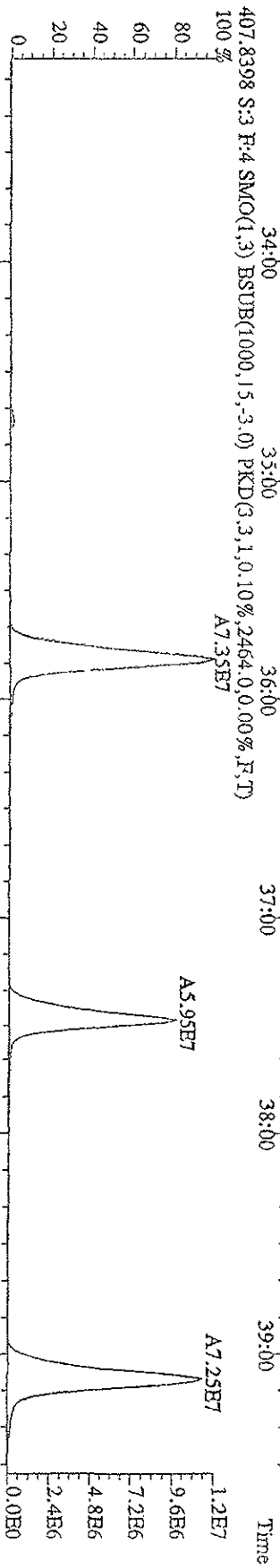
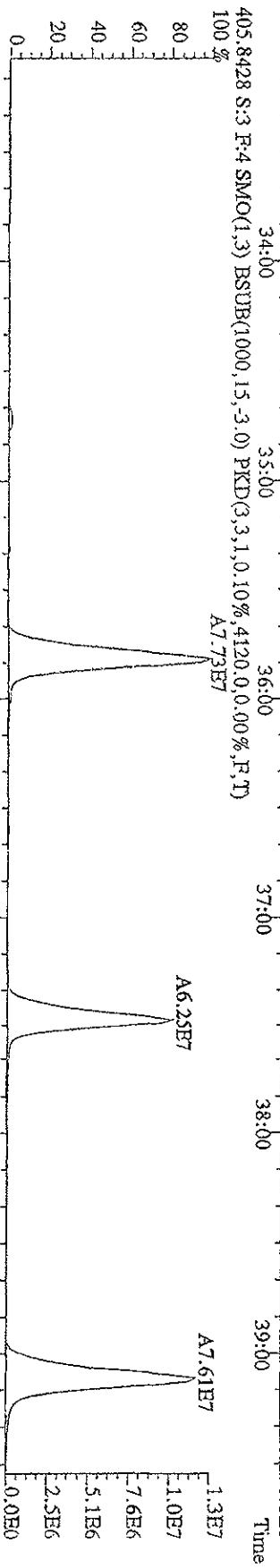
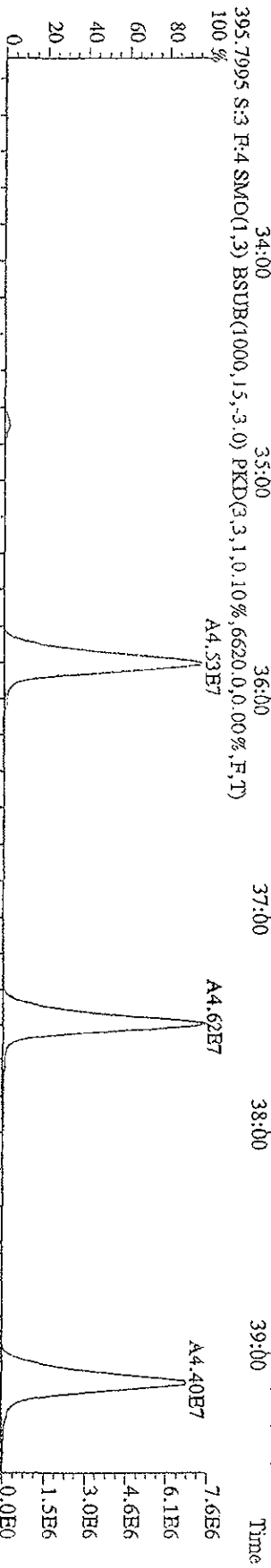
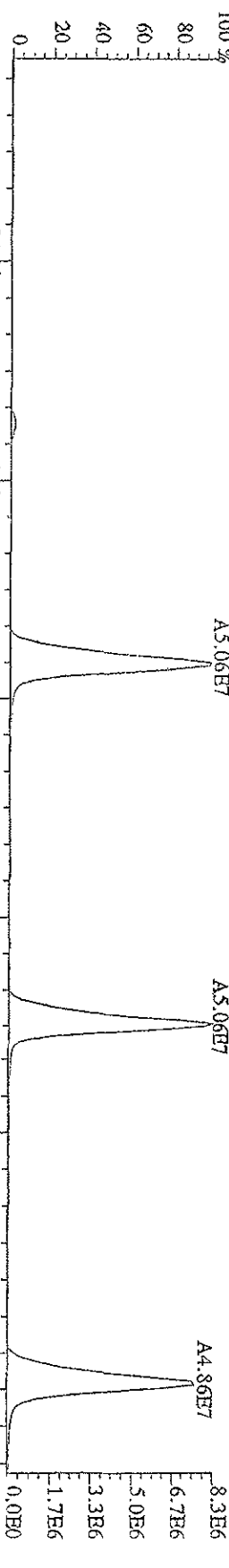
100 %



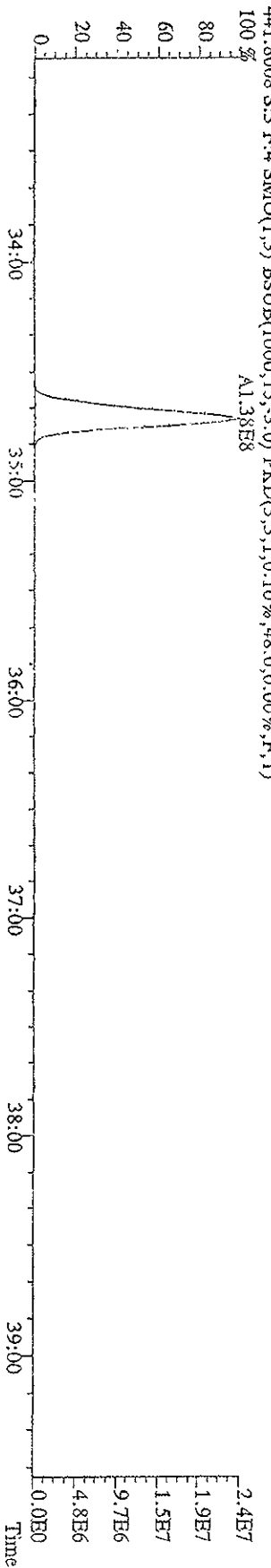
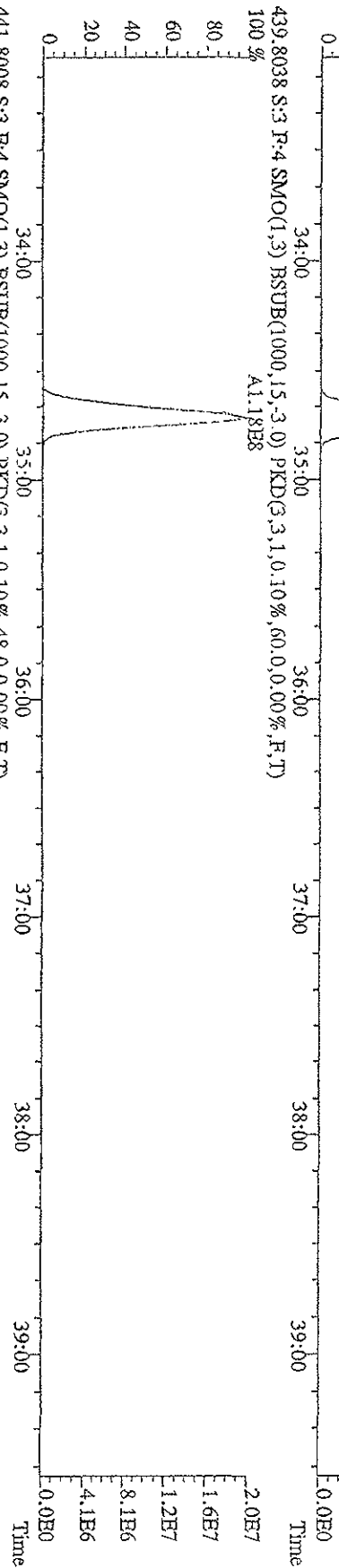
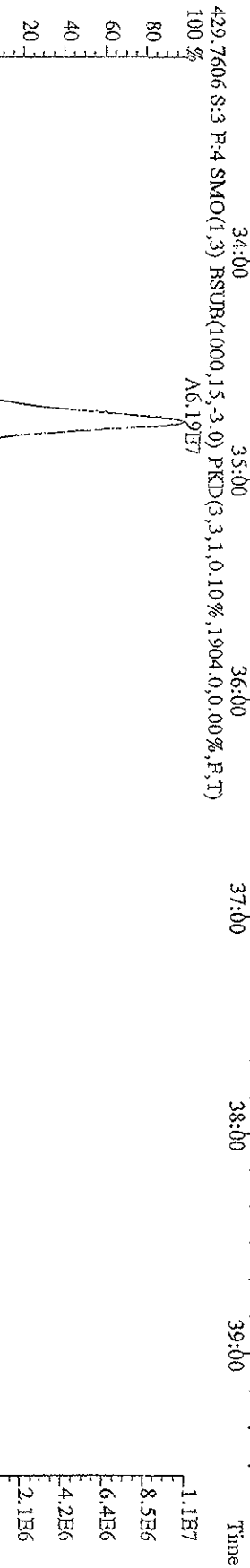
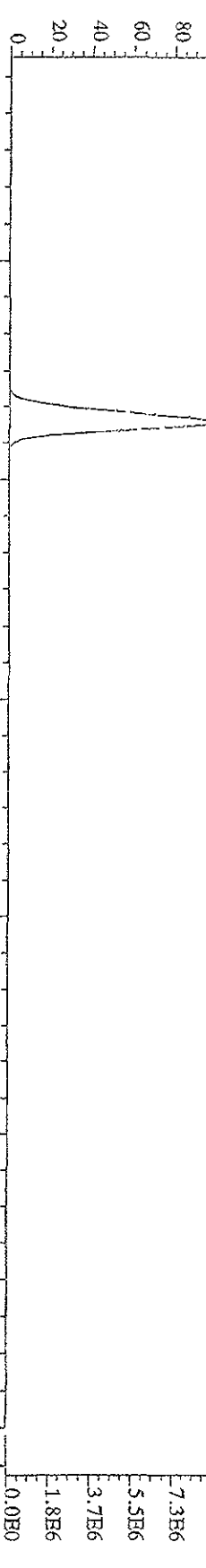
File:151A09D9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC:EI+ Voltage:50V S/R:Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 393.8025 S:3 F:3 SMO(1,3) BSTDB(1000,15,-3,0) PKD(3,3,1,0,10%,4328,0,0,00%,F,T)



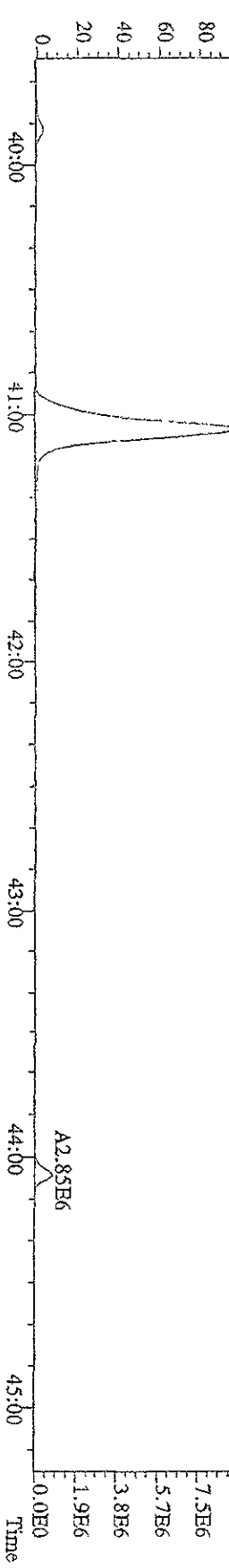
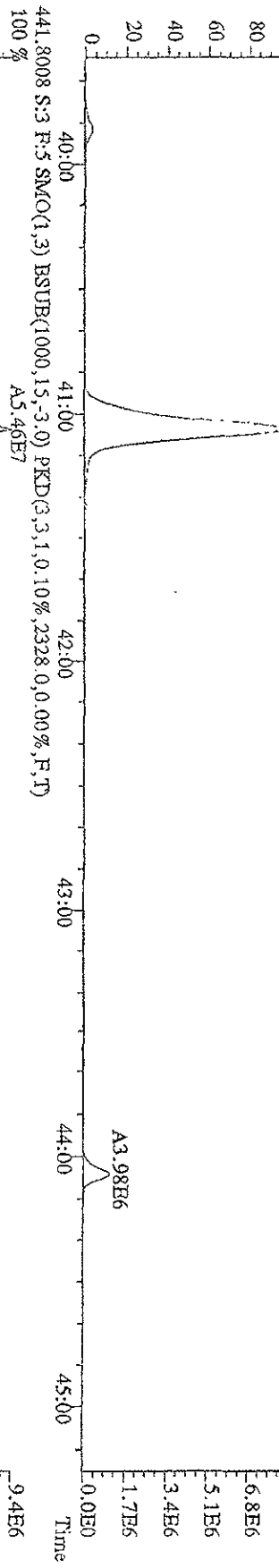
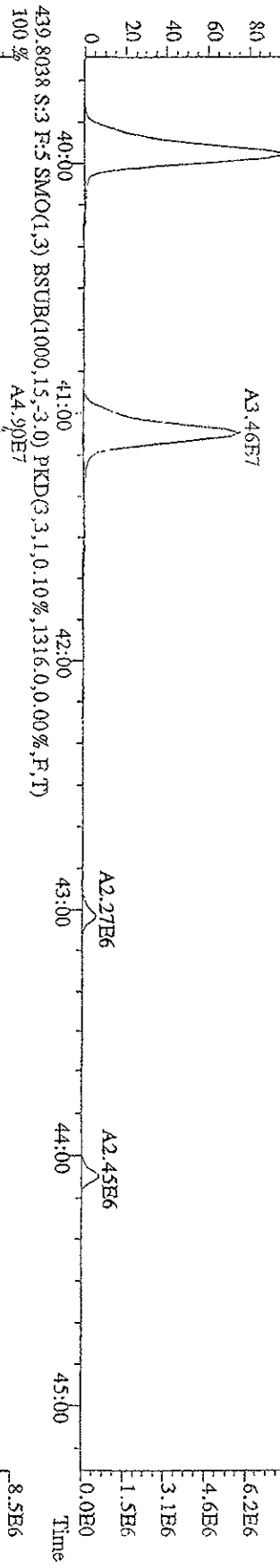
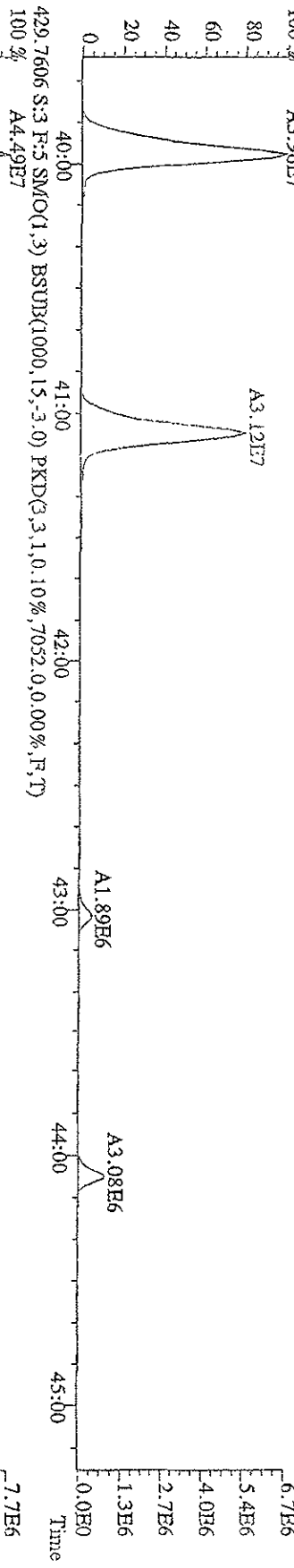
File:151A09DD0D5 #1-395 Acq:15-JAN-2009 22:07:59 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5600,0,0,00%,F,T)



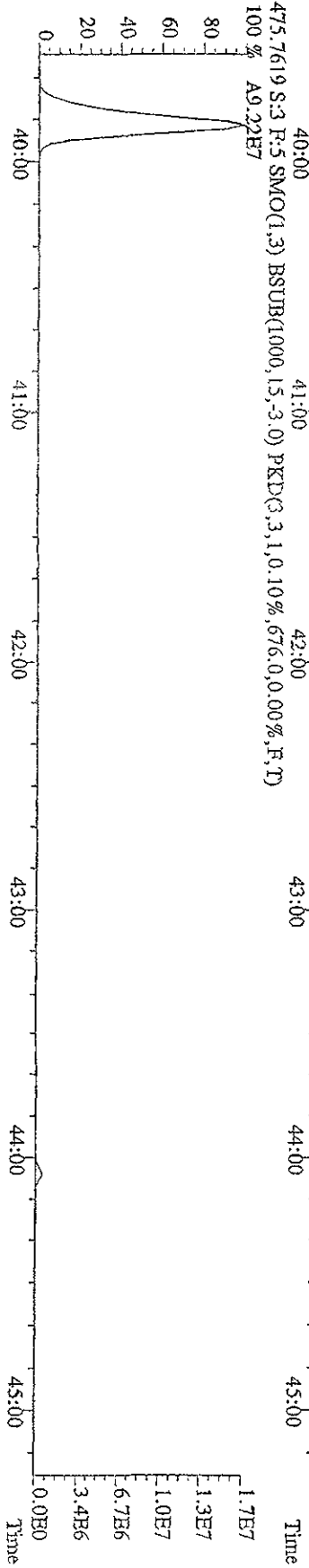
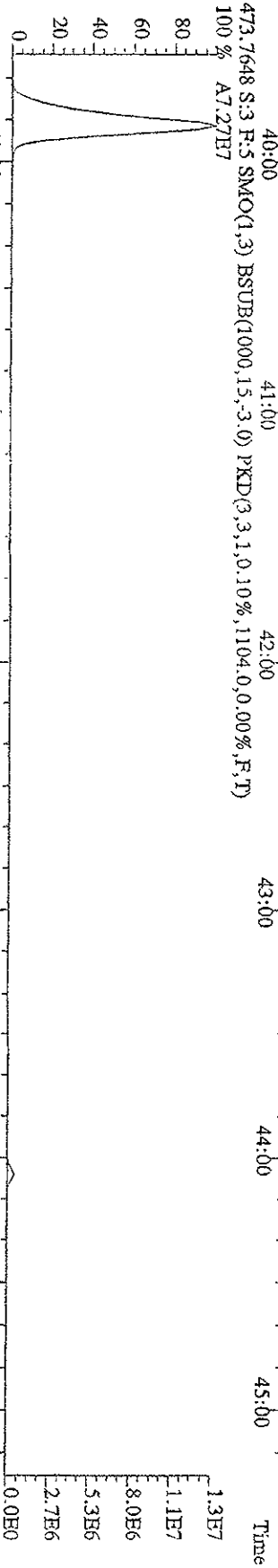
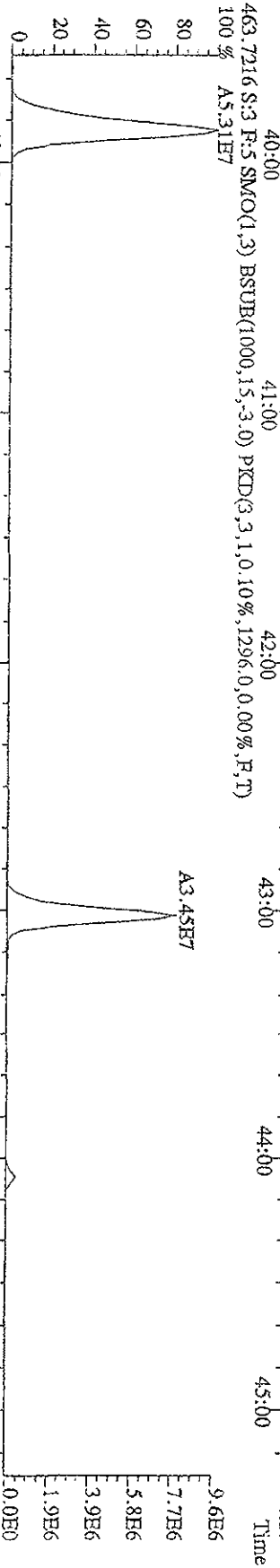
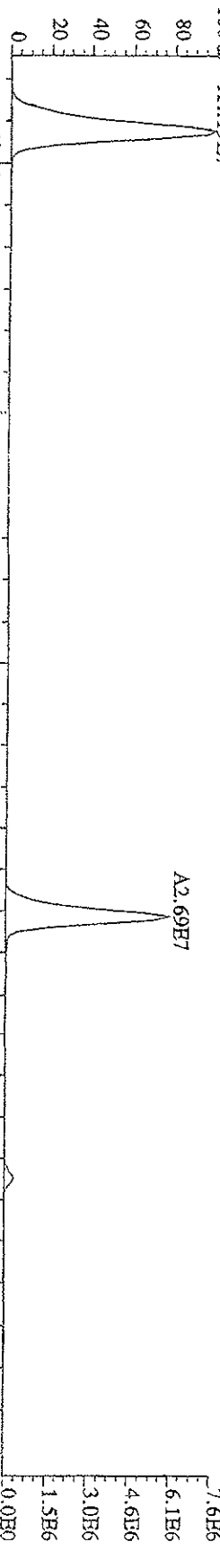
File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 427.7635 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1056,0,0,00%,F,T)



Title: 151A09DD9D5 #1-378 Acq: 15-JAN-2009 22:07:59 GC EI + Voltage SIR Autospec-UltimaB  
 Sample#3 Text: ST0115B -CS3 09DXN016 Exp: 209DB5  
 427.7635 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3876,0,0,00%,F,T)  
 100% A3.96E7

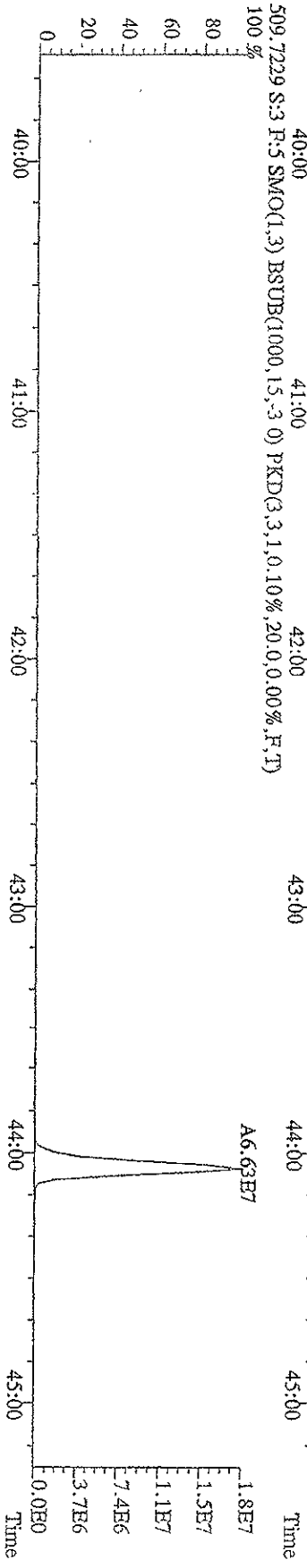
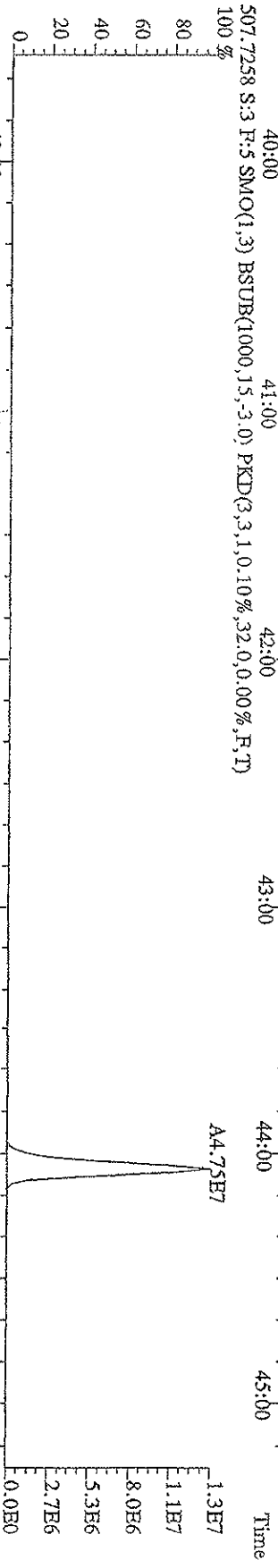
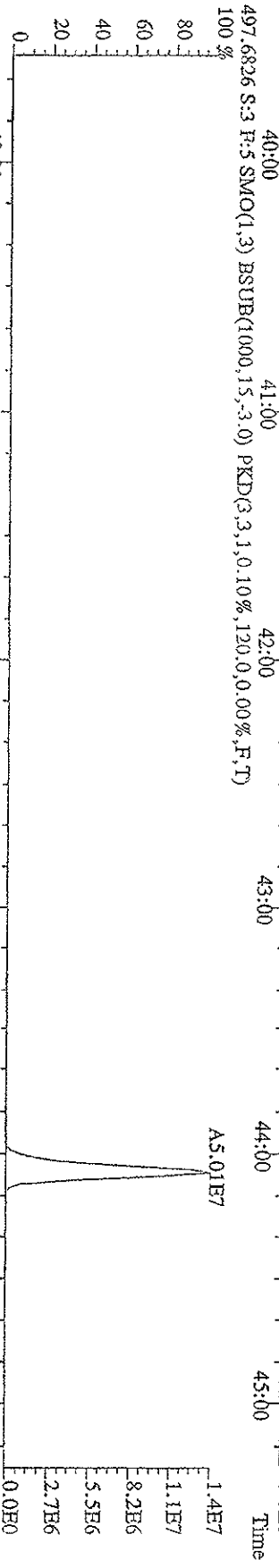
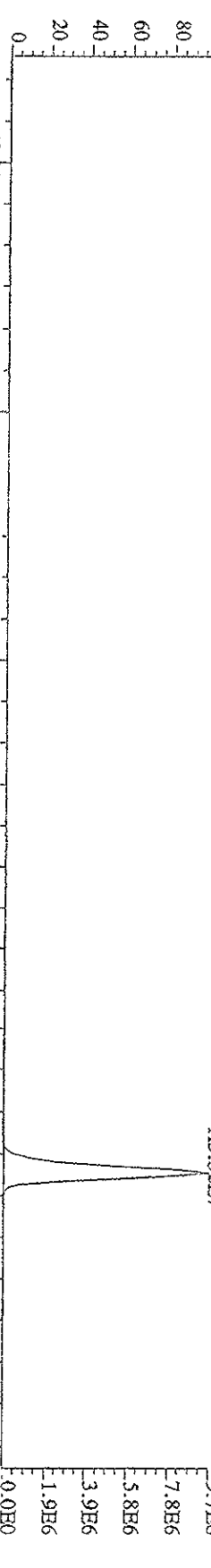


File:151A09DD9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage S1R Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXKN016 Exp:209DB5  
 461.7245 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,988,0,0,00%,F,T)  
 100% A4.19E7

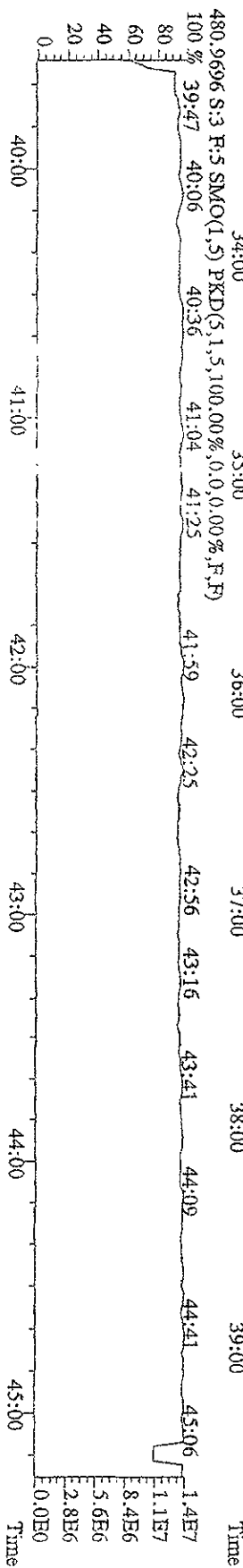
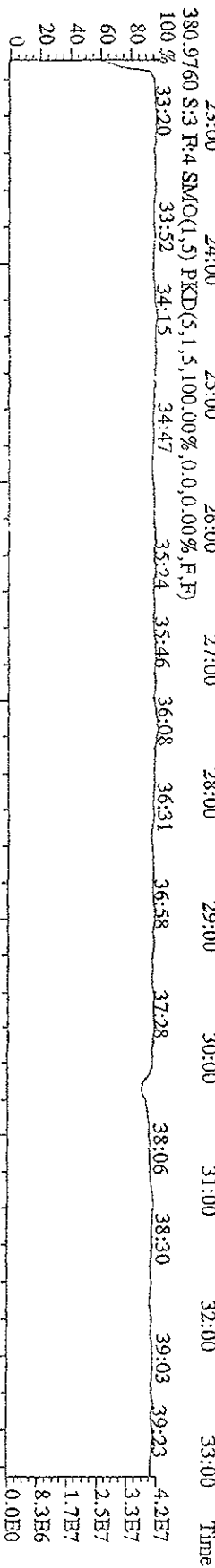
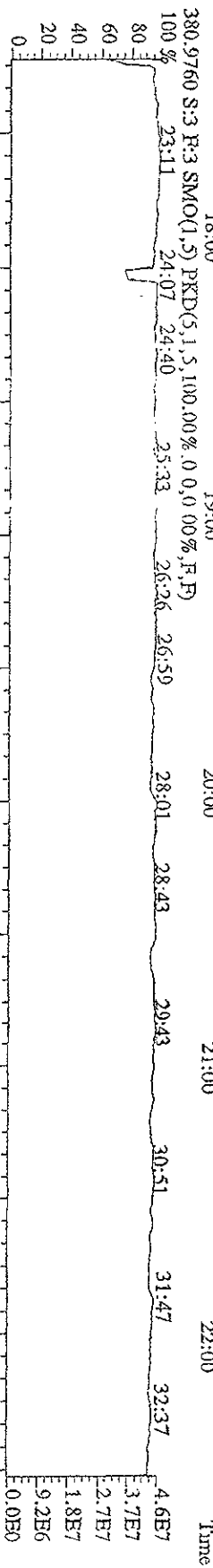
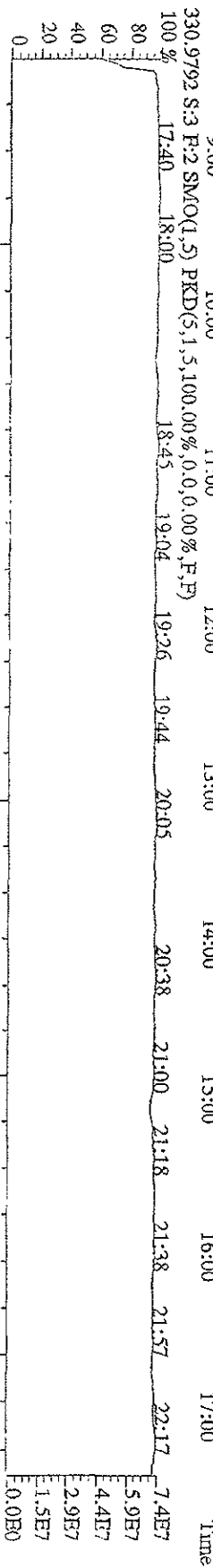
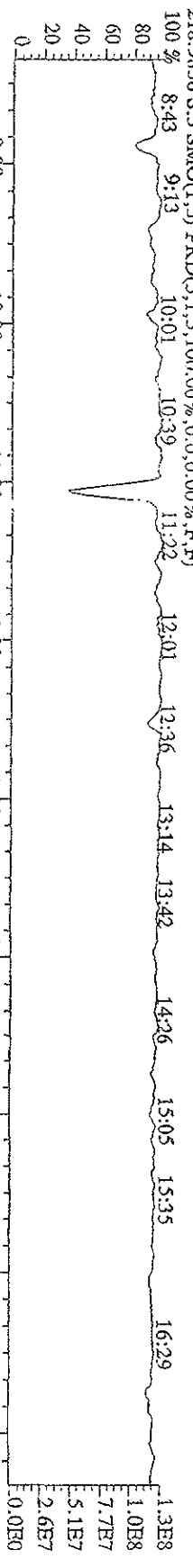




File: 151A09D9D5 #1-378 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 495.6826 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,604.0,0.00%,F,T)



File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

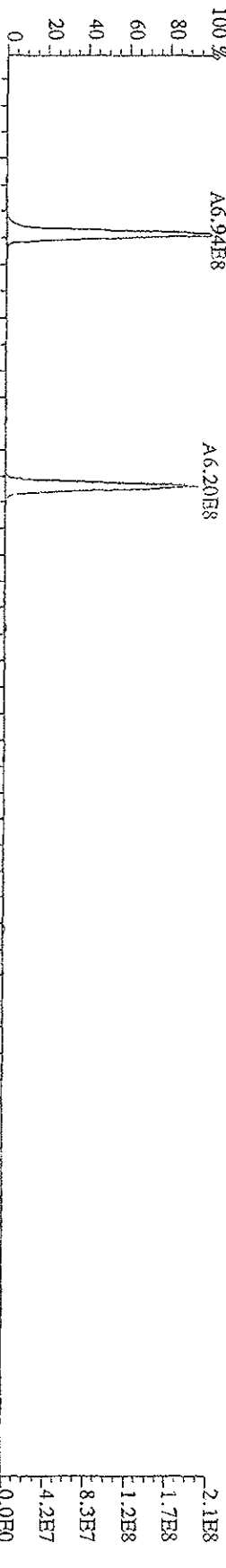


File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Uimate

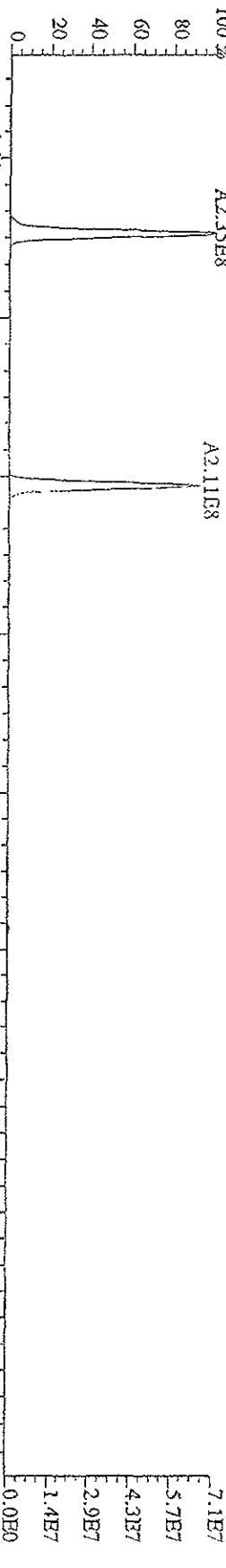
Sample#4 Text: ST0115C :CS4 09DXN017

Exp: 209DB5

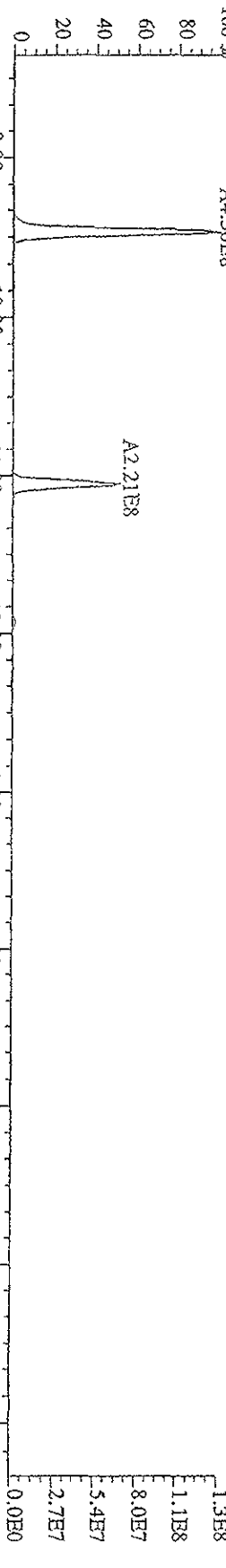
188.0393 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,12792.0,0.00%,F,T)



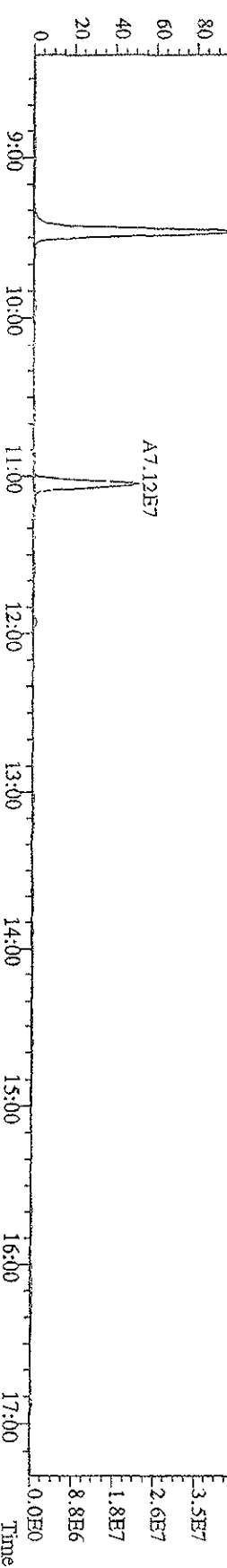
190.0363 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6460.0,0.00%,F,T)



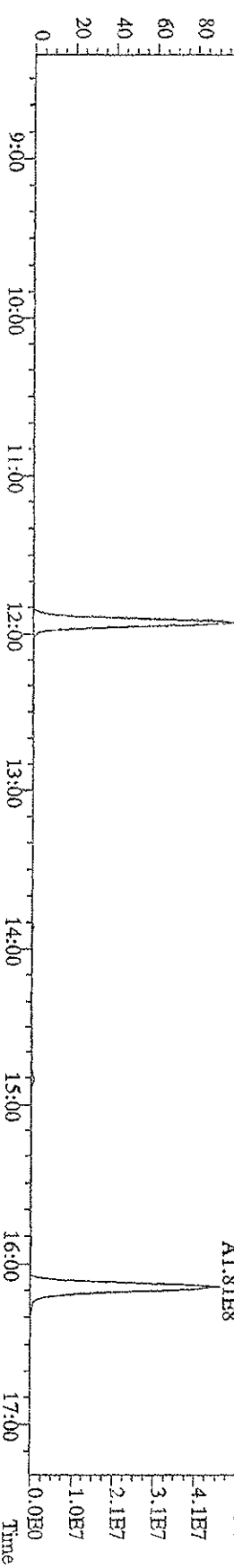
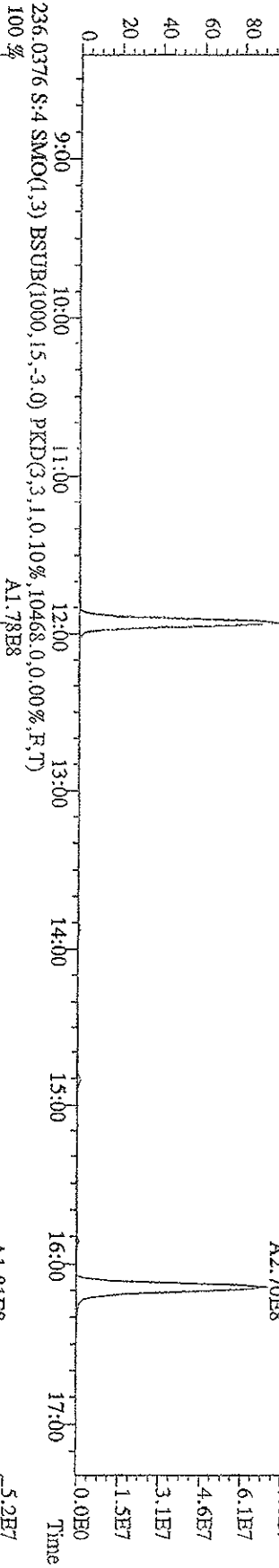
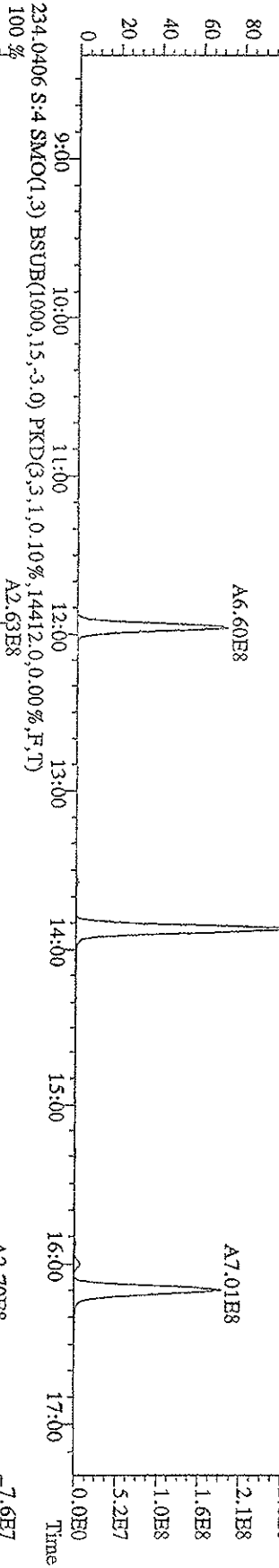
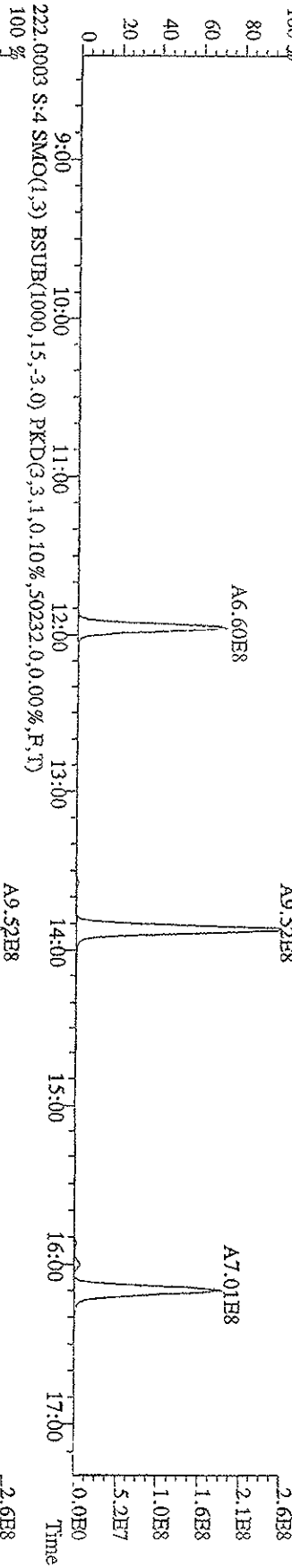
200.0795 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,20064.0,0.00%,F,T)



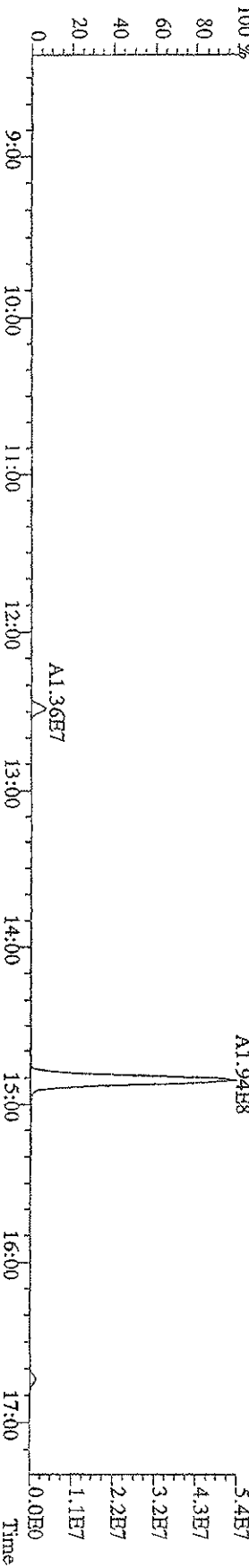
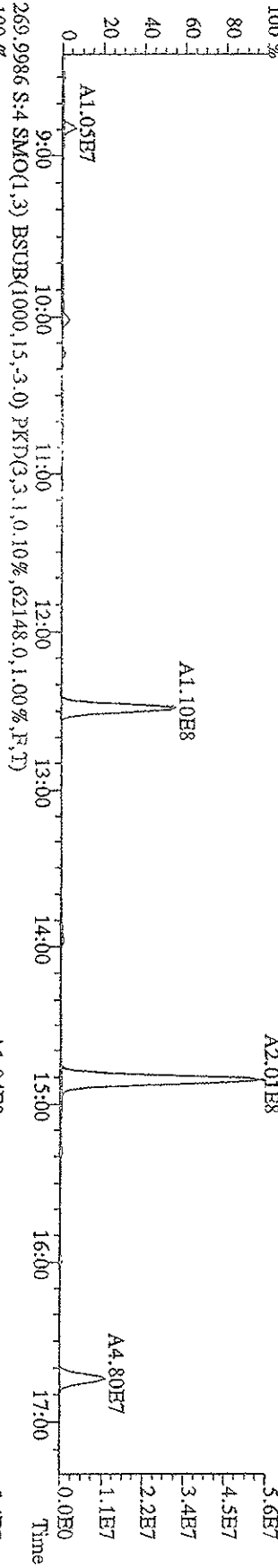
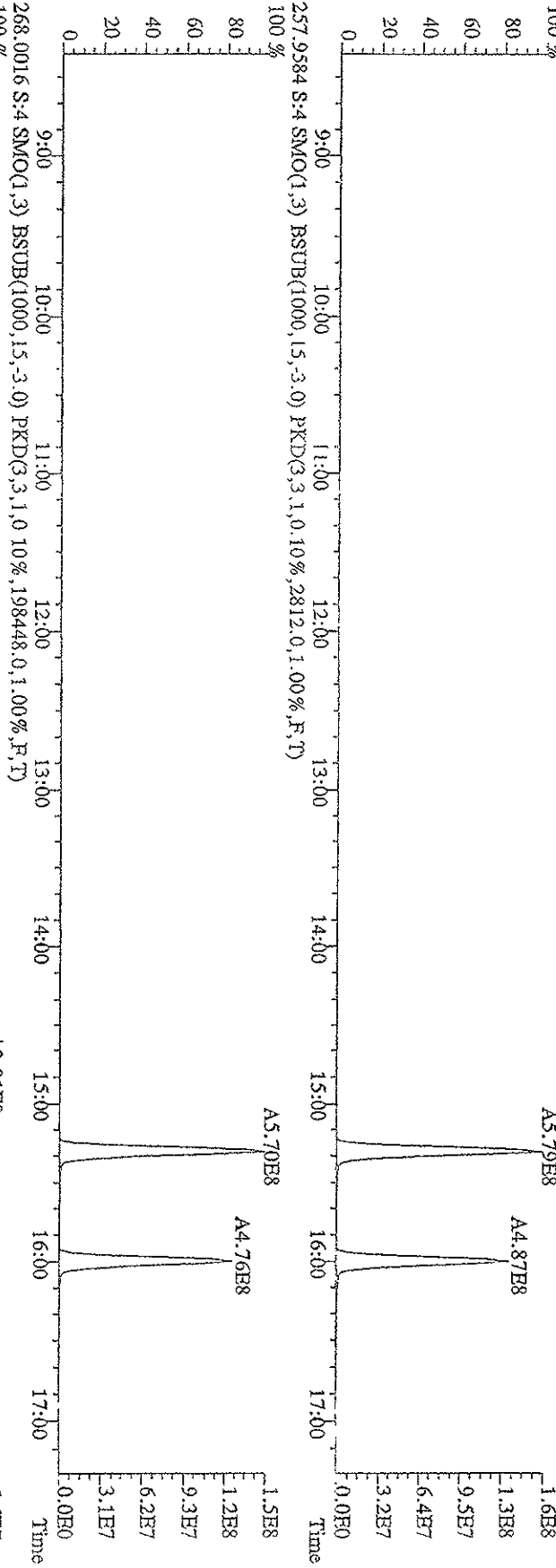
202.0766 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,193496.0,0.00%,F,T)



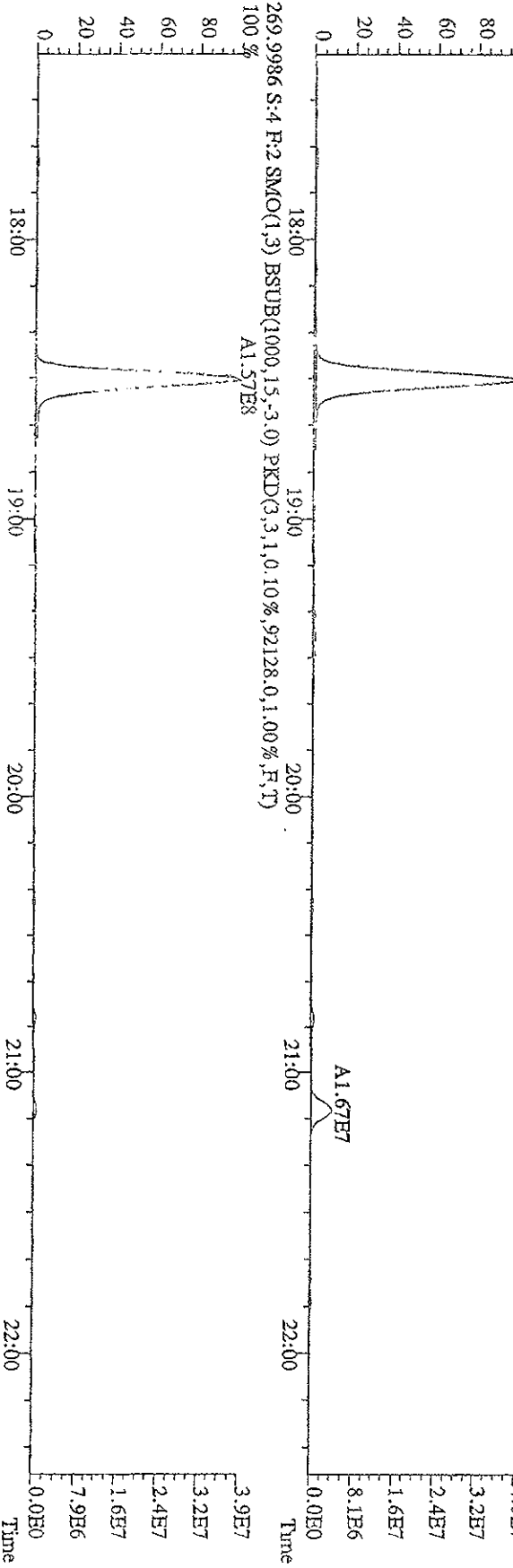
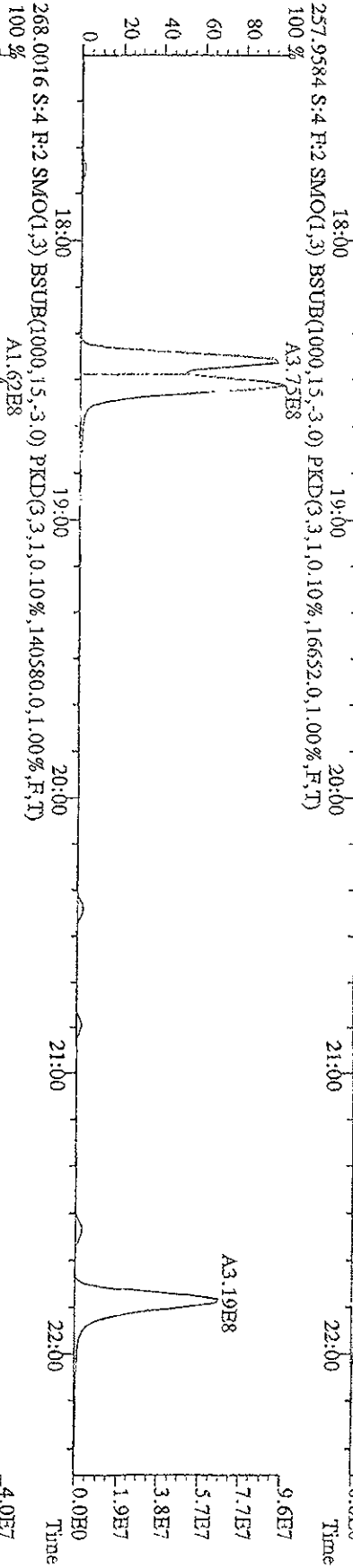
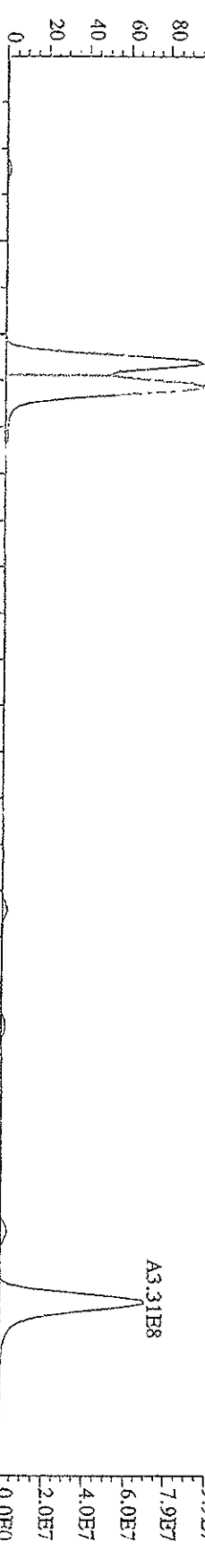
File:151A09DD9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 222.0003 S:4 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,50232,0,0,00%,F,T)



File:15IA09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UHmaE  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 255.9613 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6372,0,1,00%,F,T)



File: 15IA09D9D5 #1-371 Acq: 15-JAN-2009 22:59:23 GC EI + Voltage SIR Autospec-Ultimate  
 Sample #4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 257.9584 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,16652.0,1.00%,F,T)  
 100% A3.90E8

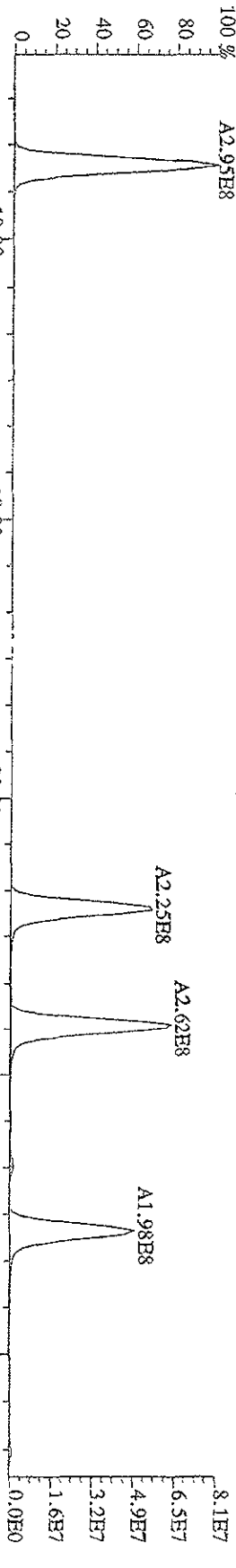


File:151A09D9D5 #1:371 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate

Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5

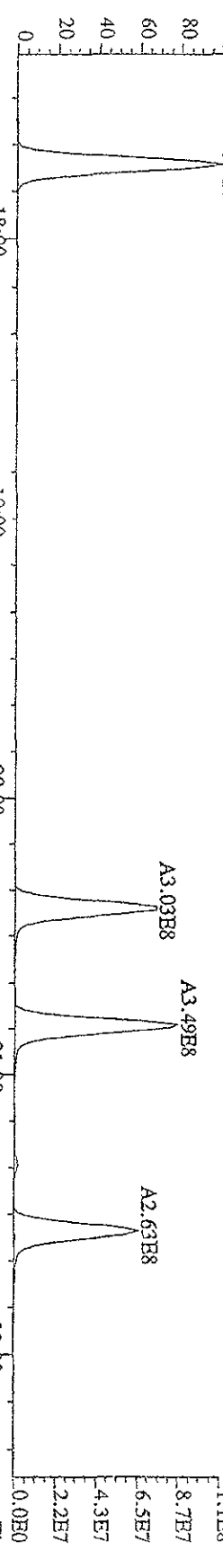
289.9224 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10024,0,0,00%,F,T)

100% A2.95E8



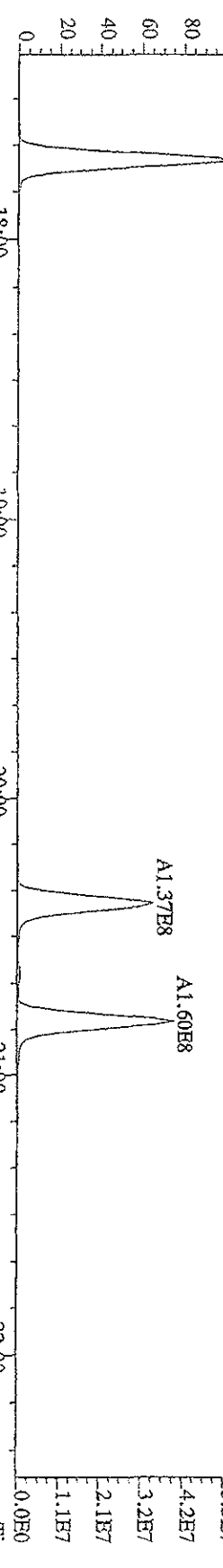
291.9194 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10024,0,0,00%,F,T)

100% A3.96E8



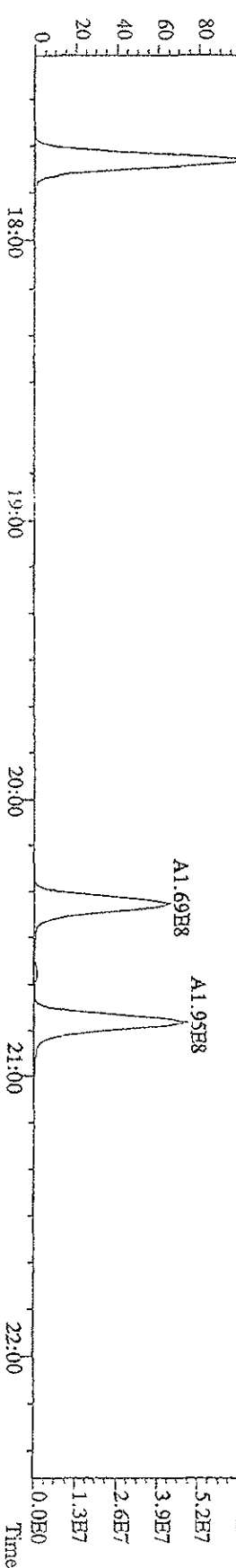
301.9626 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10808,0,0,00%,F,T)

100% A1.97E8

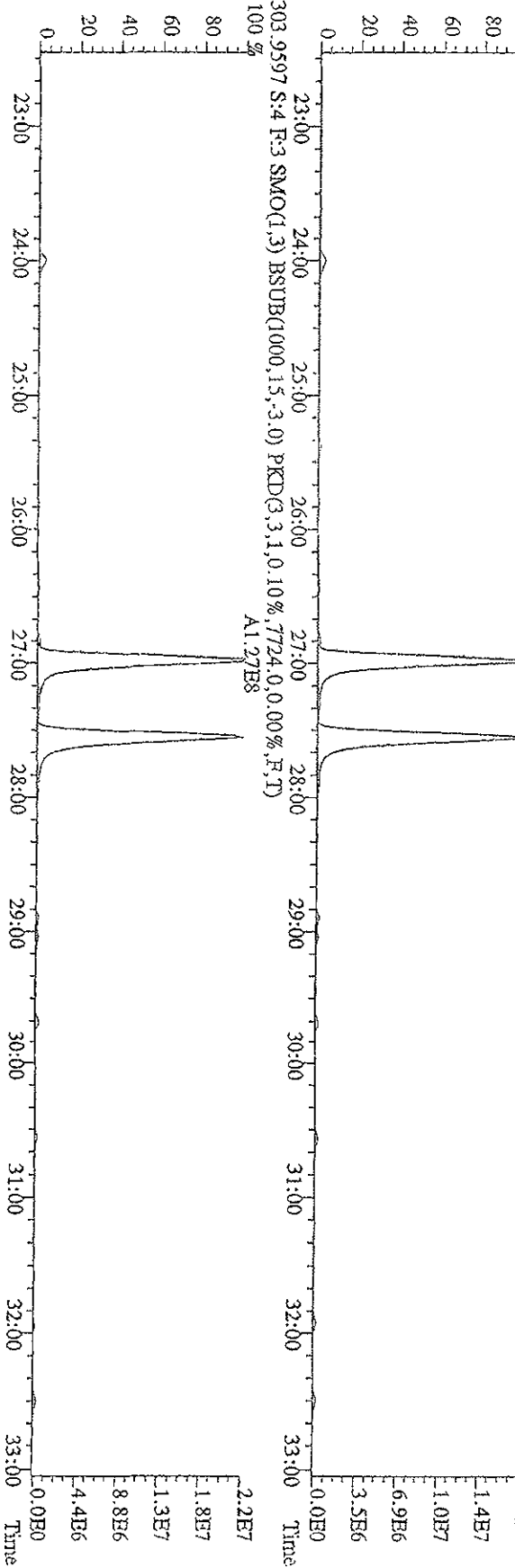
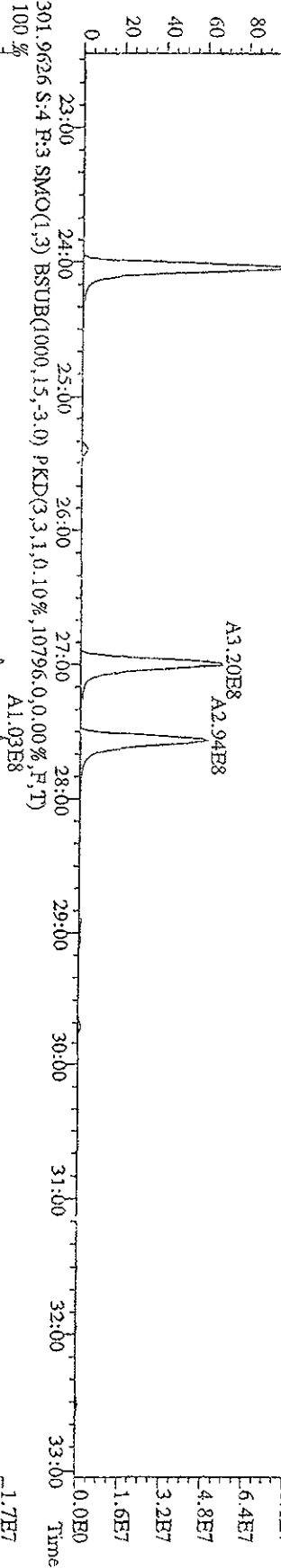
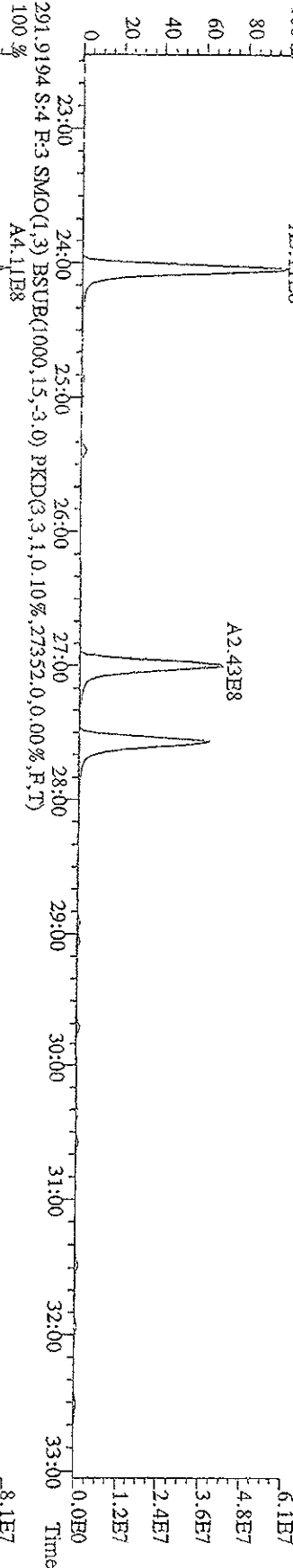


303.9597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8572,0,0,00%,F,T)

100% A2.42E8

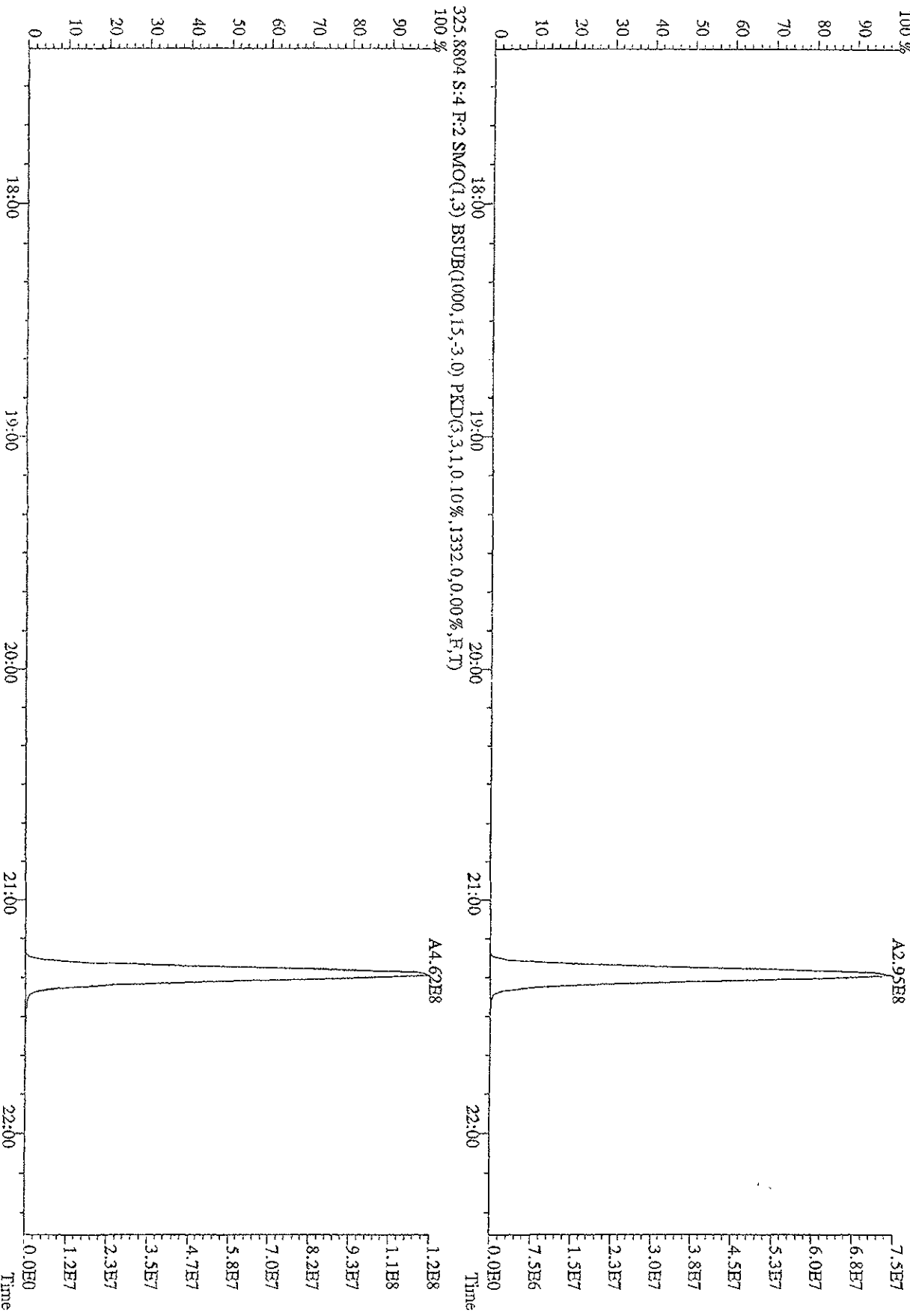


File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage 81R Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9024,0,0,00%,F,T)  
 100% A3.11E8

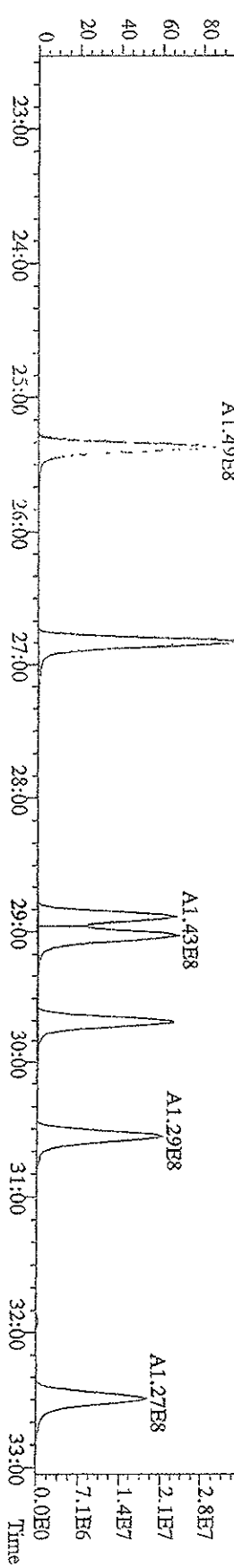
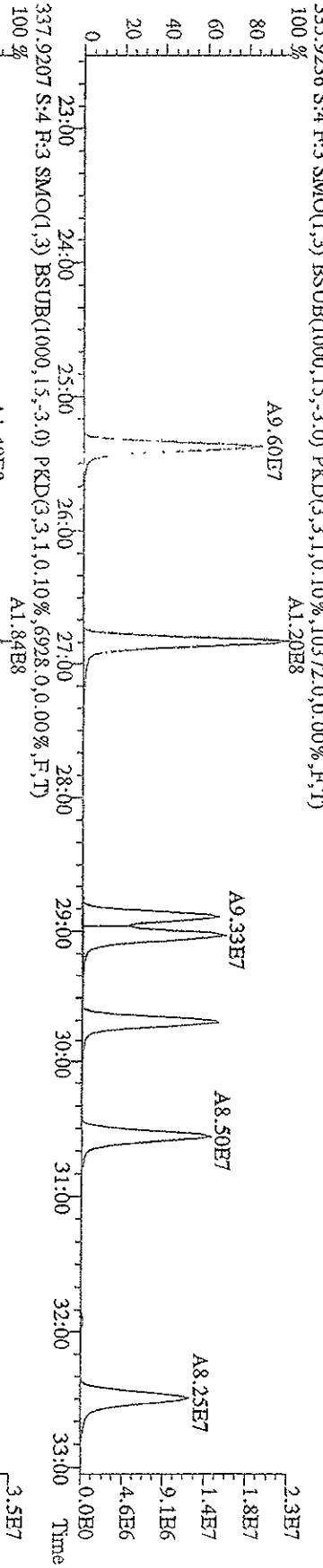
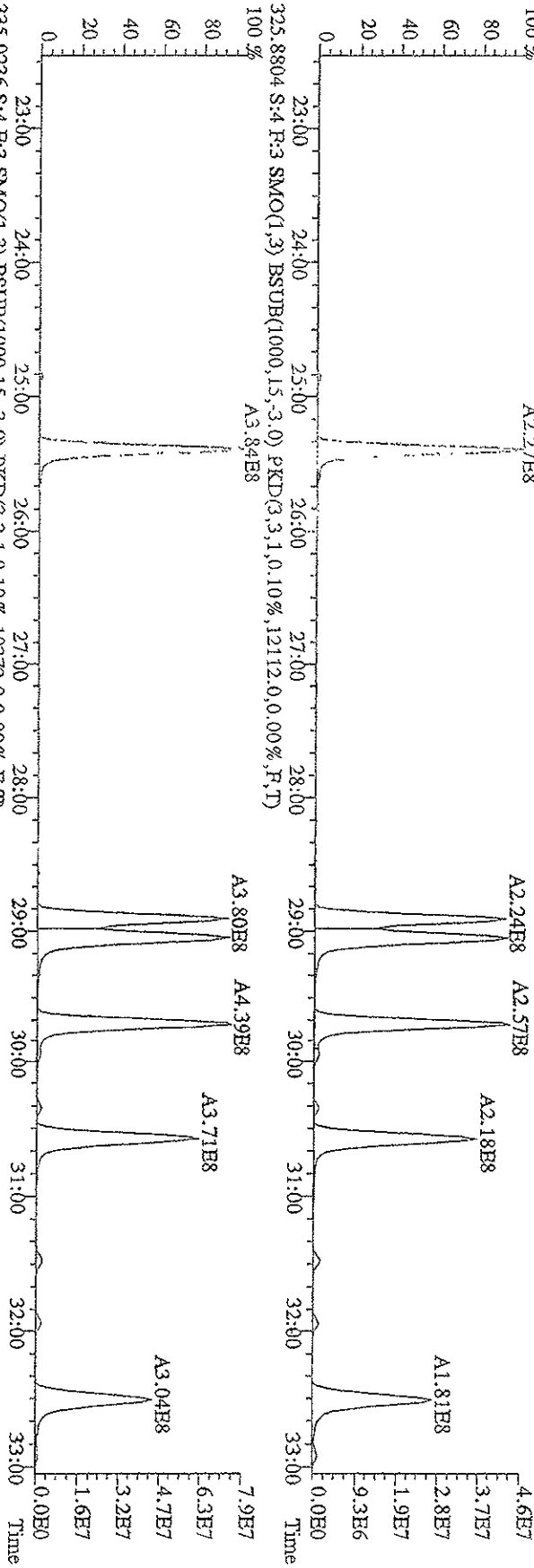




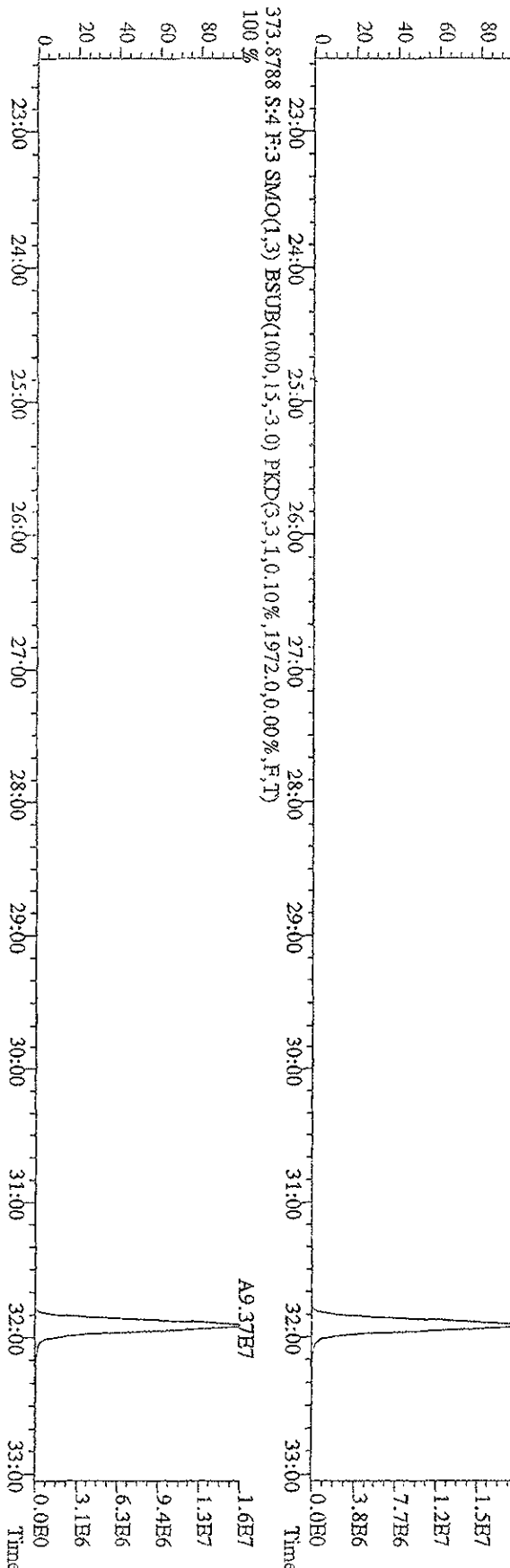
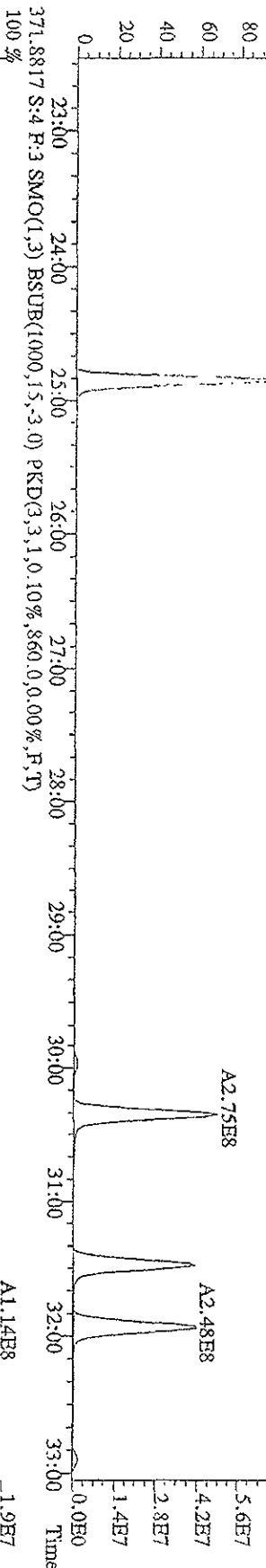
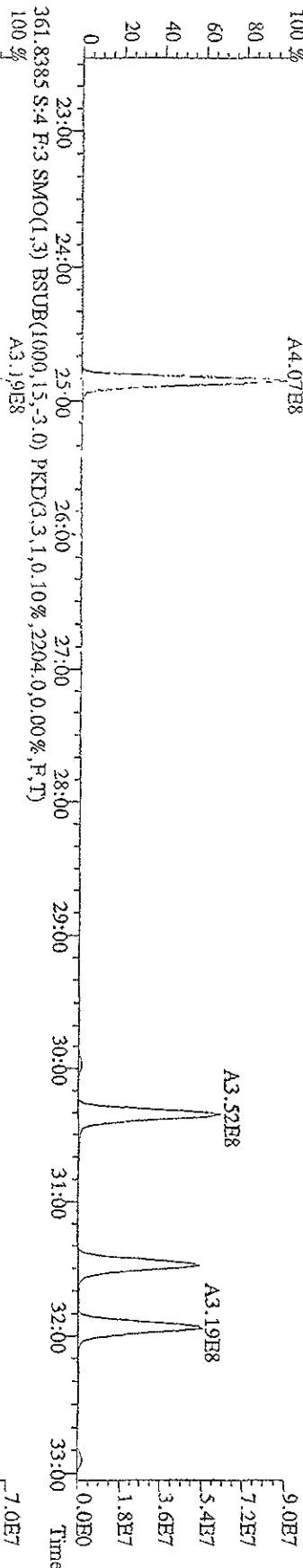
File:15JA09D9D5 #1-371 Acq:15-JAN-2009 22:59:23 GC BI+ Voltage STR Autospec-Ultimate  
Sample#4 Text:ST0115C :CS4.09DXN017 Exp:209DB5  
323.8834 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1332,0,0.00%,F,T)



File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 323.8834 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5536,0,0.00%,F,T)

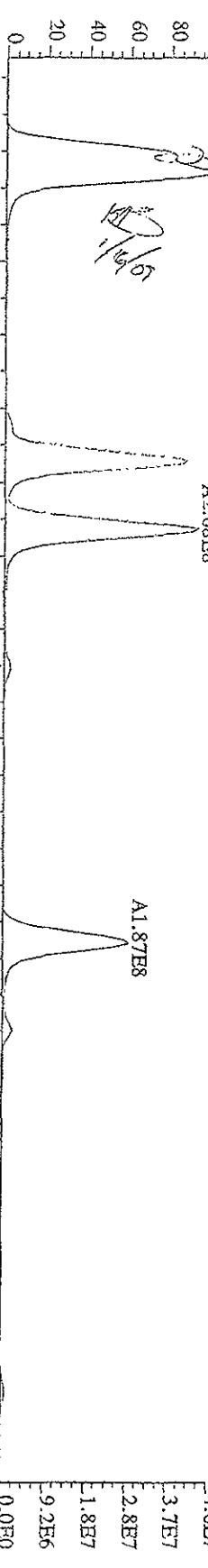


File:15IA09D9D5 #1-597 Acq:15-JAN-2009 22:59.23 GC:EI+ Voltage:50V STR:Autospec-UltimaE  
 Sample#4 Text:ST0115C :CS4.09DXN017 Exp:209DB5  
 359.8415 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2244.0,0.00%,F,T)  
 100% A4.07E8

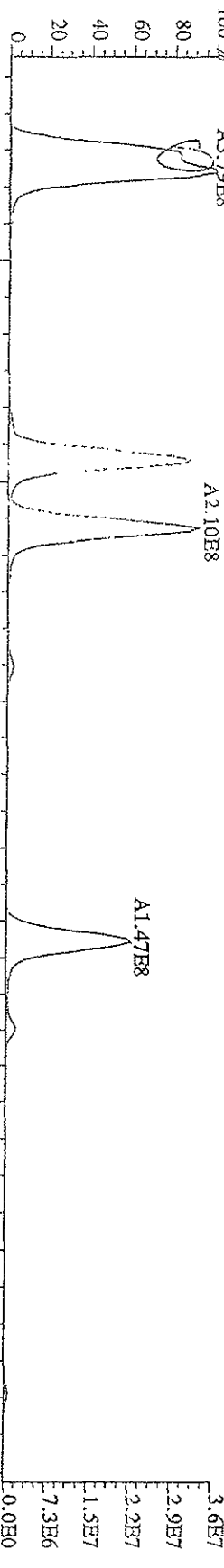


File: 151A09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5

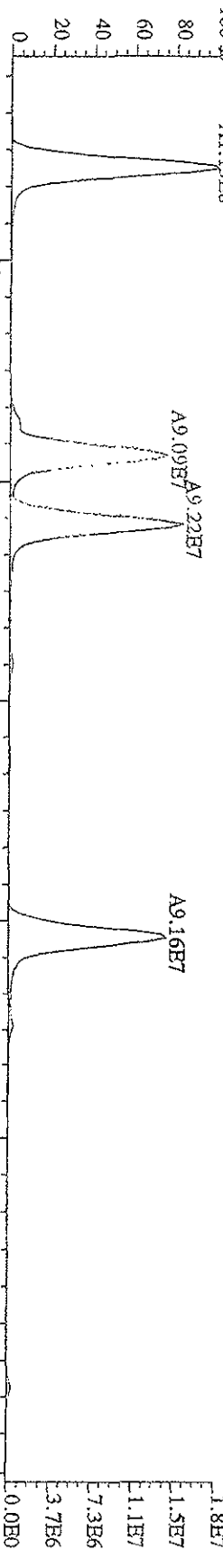
359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,27044,0,0,00%,F,T)



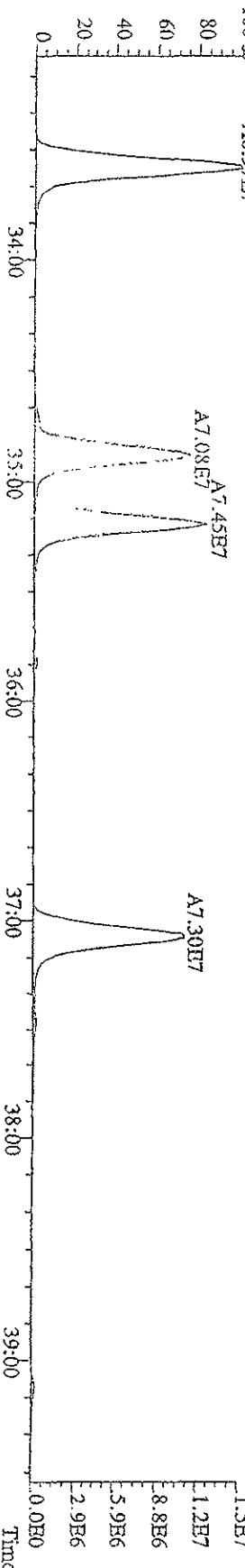
361.8385 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,21820,0,0,00%,F,T)



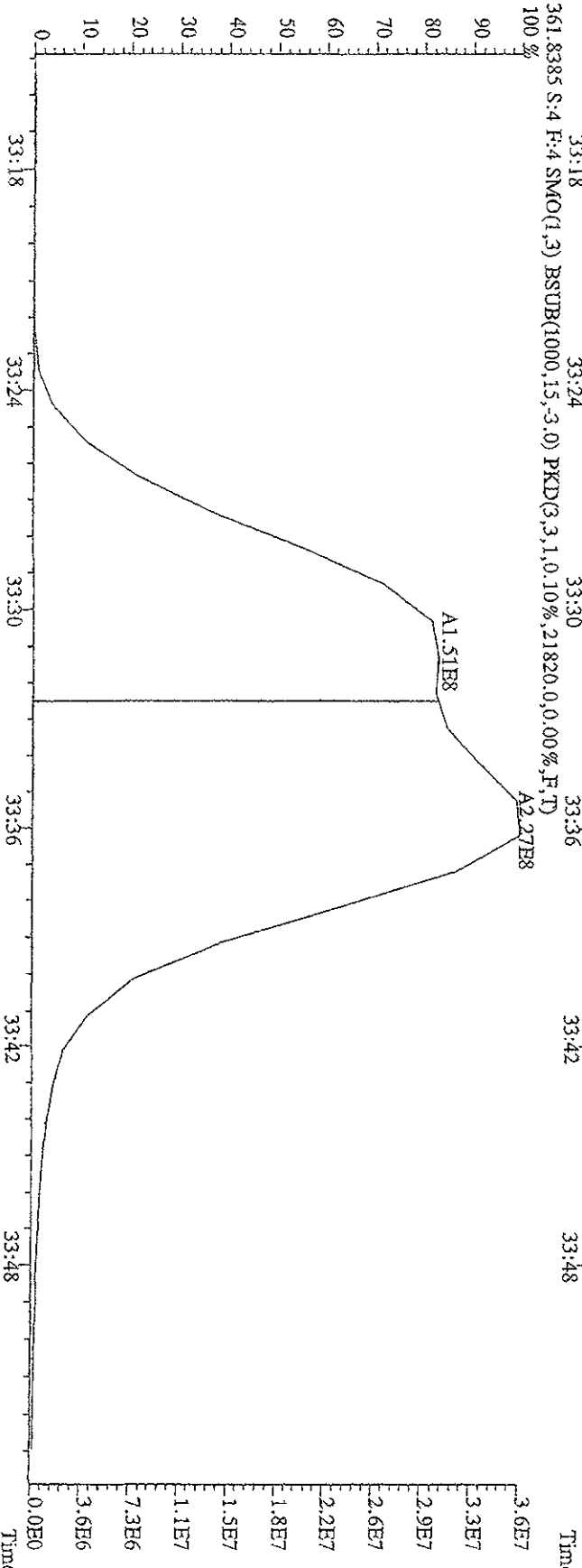
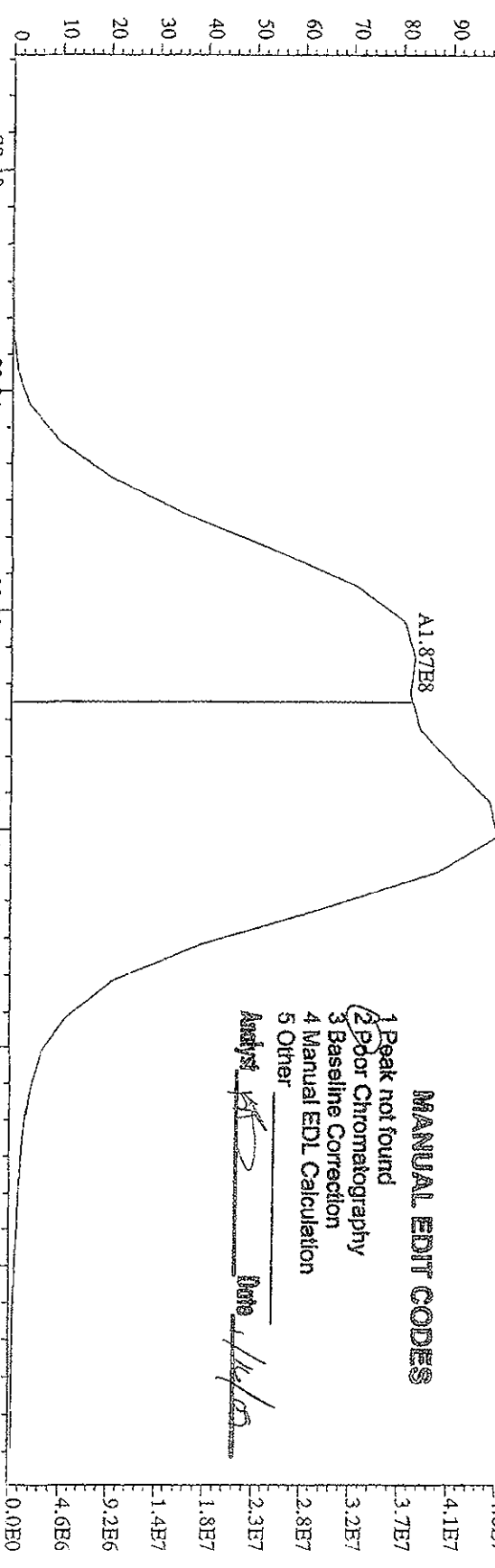
371.8817 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7044,0,0,00%,F,T)



373.8788 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7548,0,0,00%,F,T)



File: 151A09DD9D5 #1-395 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,21820,0,0,00%,F,T)  
 100%

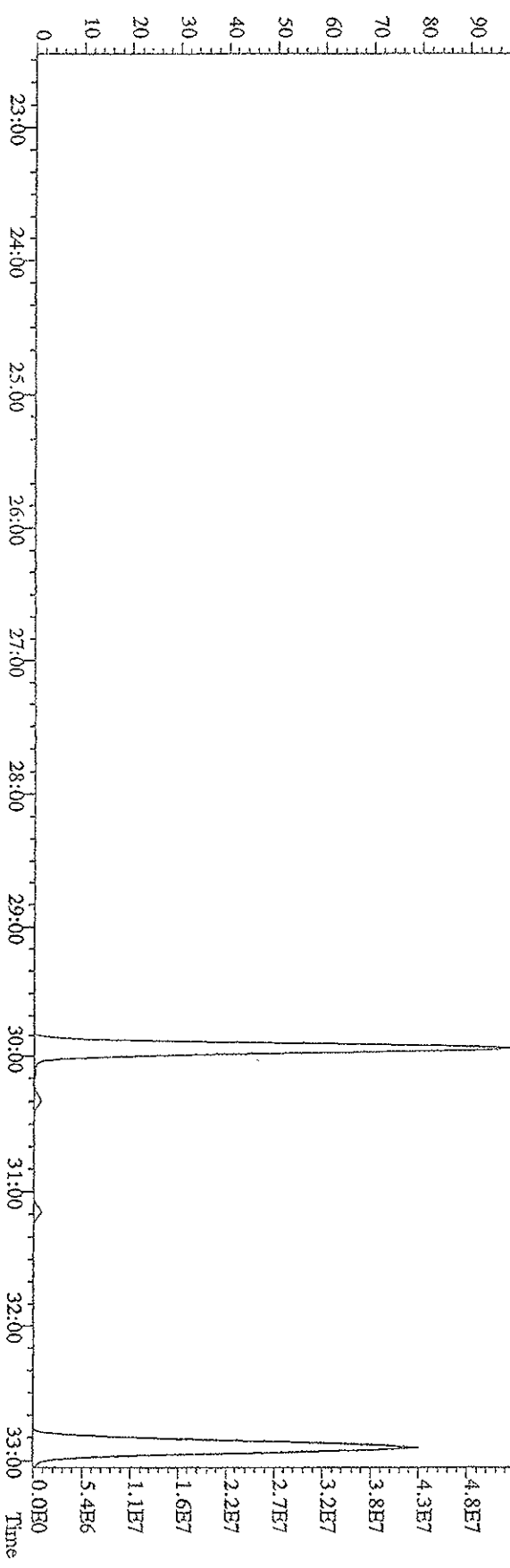
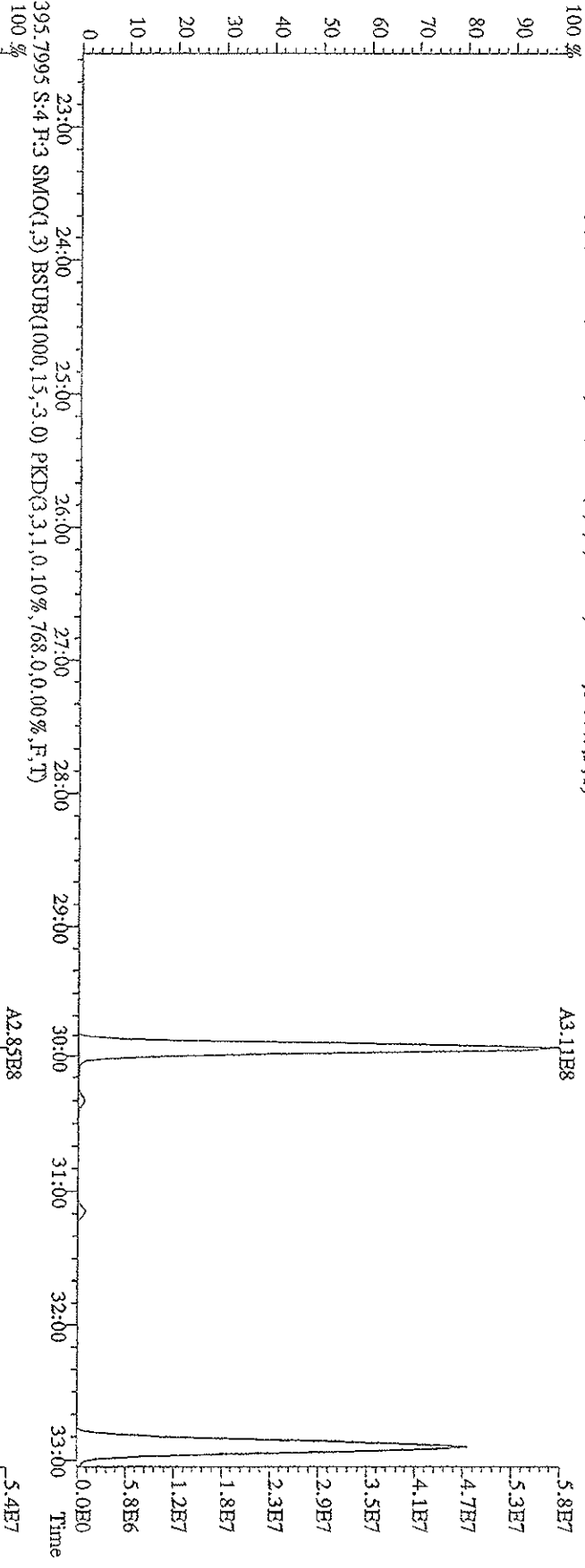


**MANUAL EDIT CODES**

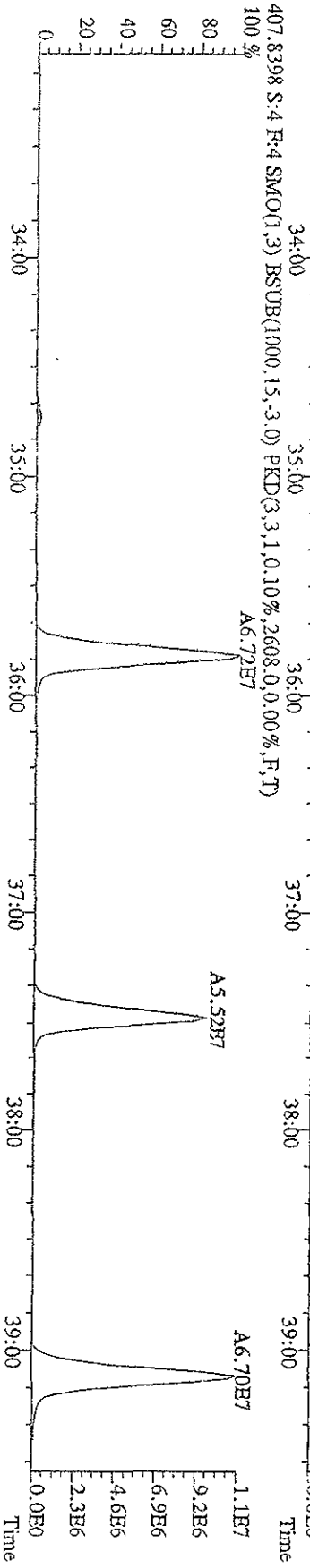
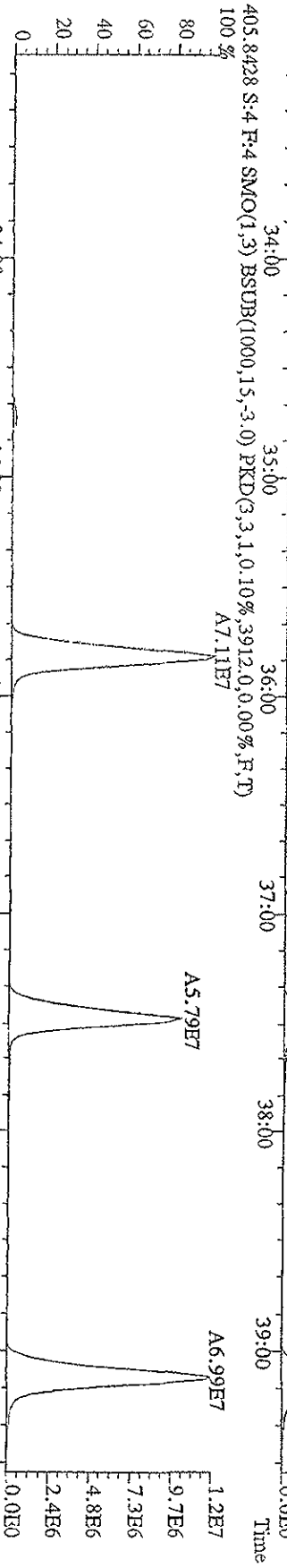
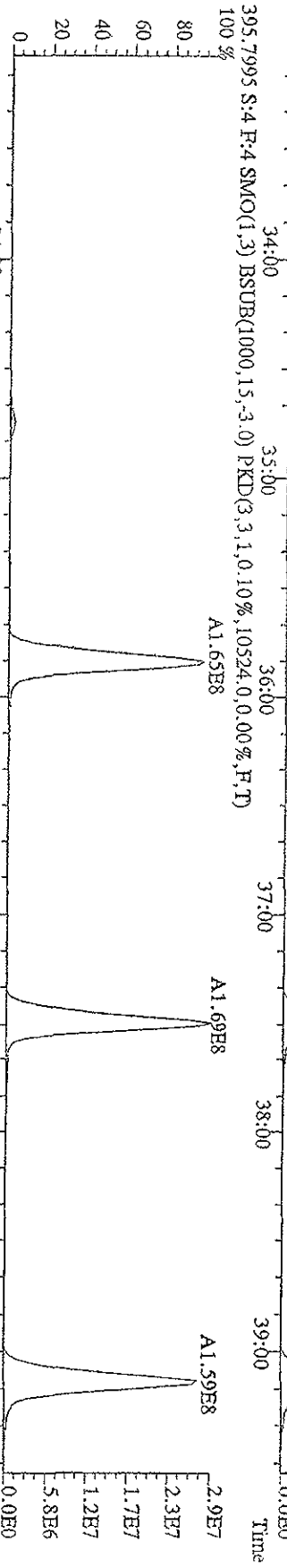
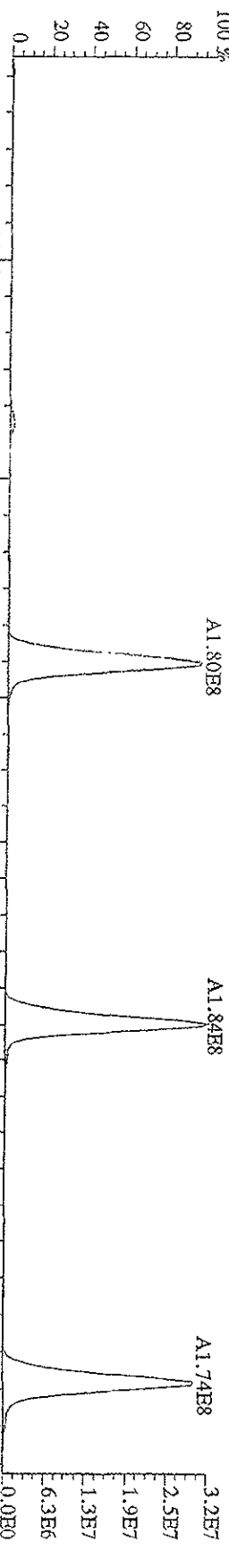
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst: [Signature] Date: 1/14/09

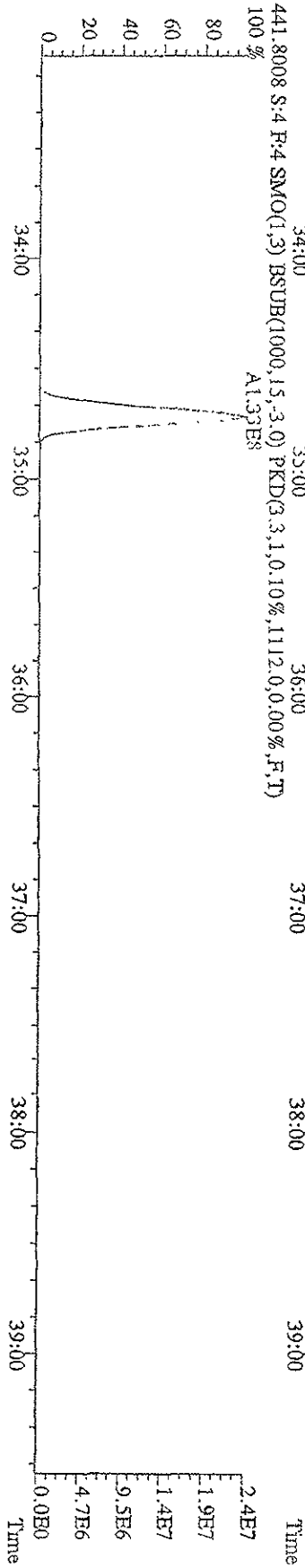
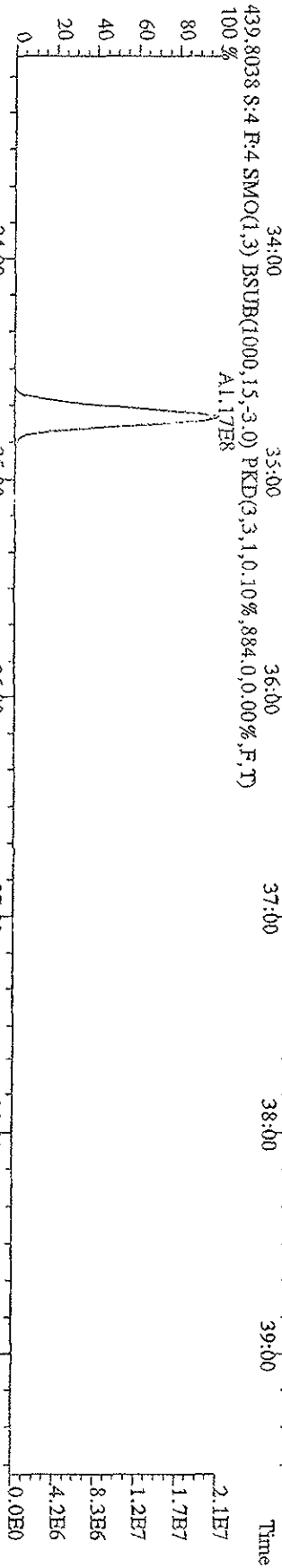
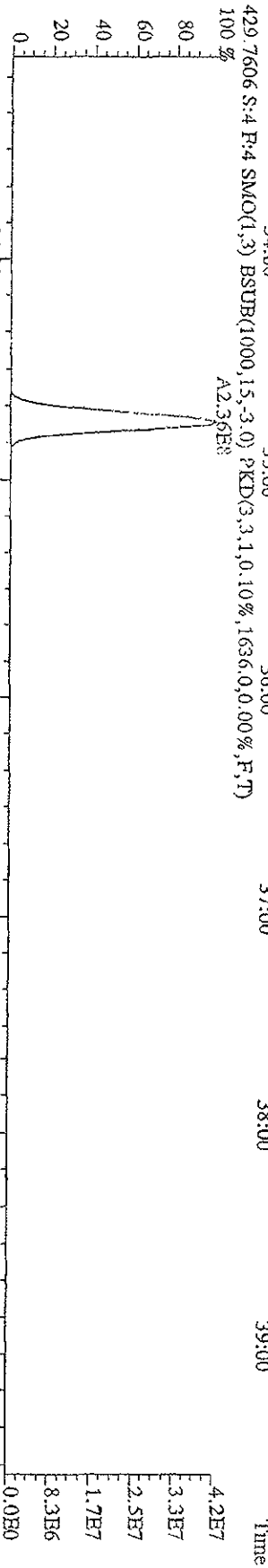
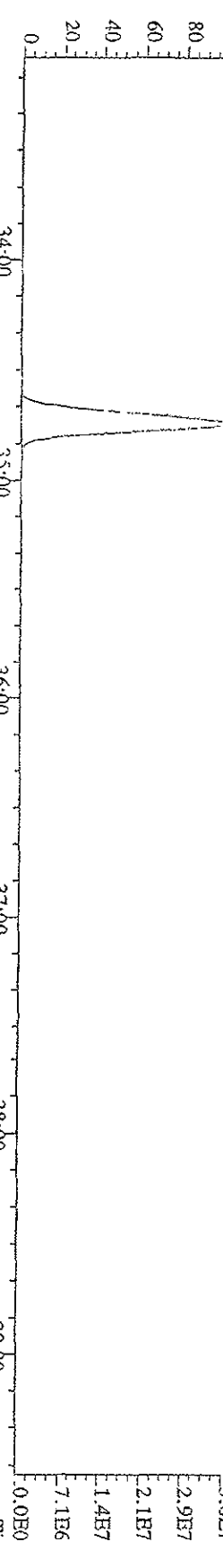
File:15\A09D9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 393.8025 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,768.0,0.00%,F,T)  
 100%



File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 393.8025 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,13760,0,0.00%,F,T)  
 100%



File:15FA09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC:EI+ Voltage:51R Autospec-UltimaB  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 427.7635 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1364,0,0,00%,F,T)  
 100% A2.03E8

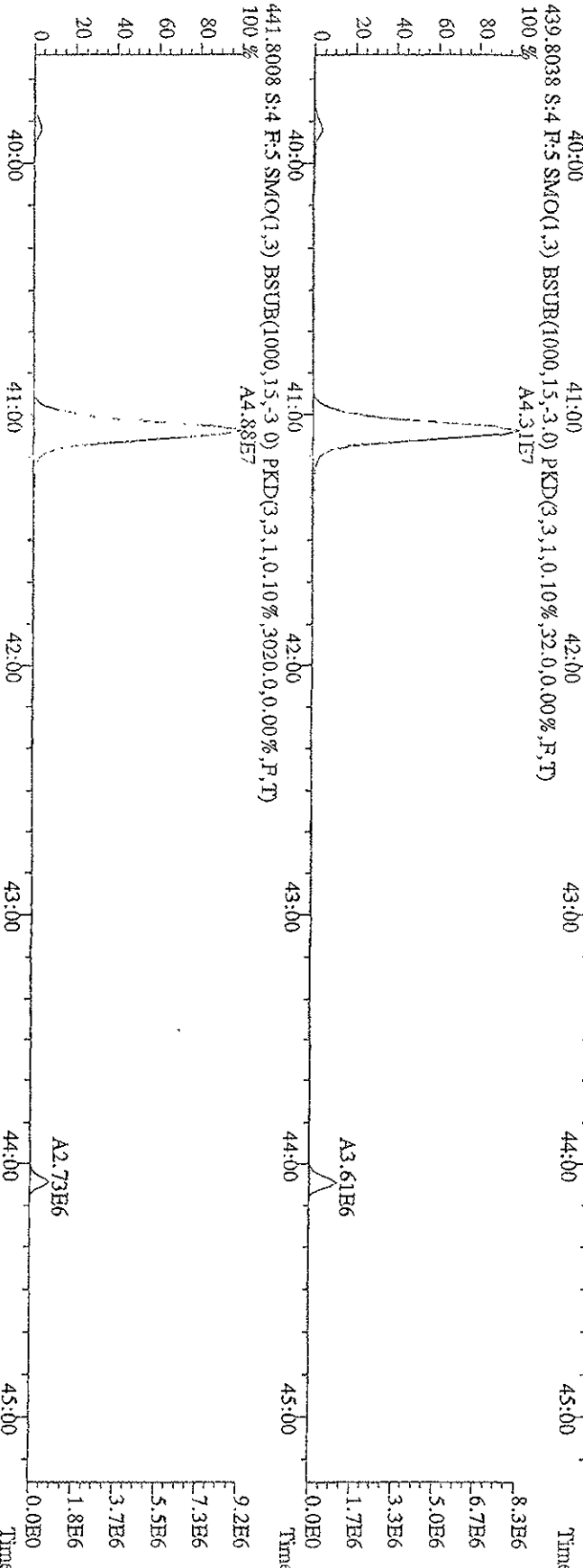
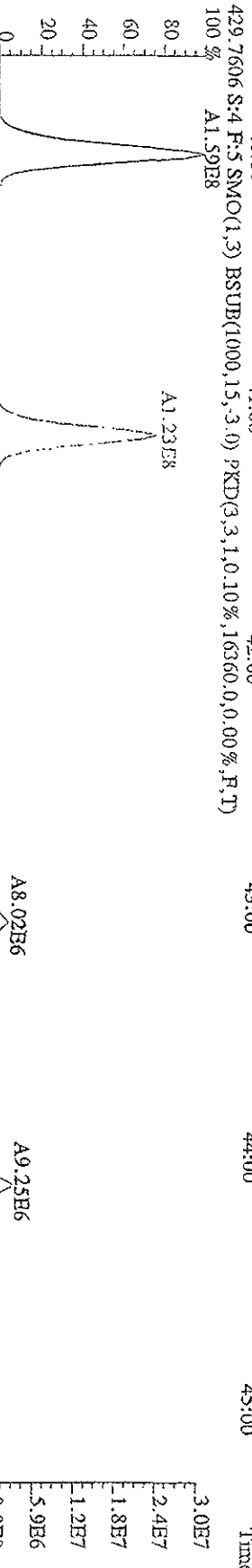
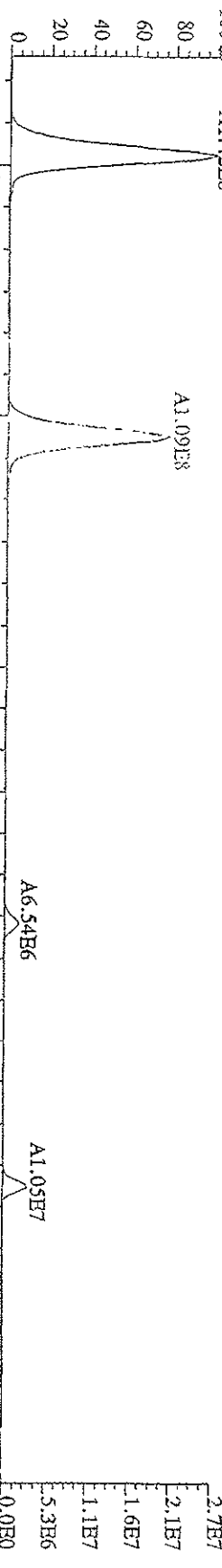




File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage STR Autospec-UllmaE

Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5

427.7635 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,18184,0,0,00%,F,T)



May 19, 2009

**TestAmerica Project Number: G9D040182**

PO/Contract: 0742-816-02

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on April 4, 2009. These samples are associated with your KHF VEGETATION project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

## Table of Contents

# TestAmerica West Sacramento Project Number G9D040182

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 1668, WHO PCB congeners

Samples: 1, 2, 3

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture

Samples: 1, 2, 3

Sample Data Sheets

Laboratory QC Reports

Full Raw Data Package

## Case Narrative

### TestAmerica West Sacramento Project Number G9D040182

#### General Comments

Each solid sample had 10 separate jars. As requested, all 10 jars were homogenized & composited. The material in each of the 10 jars was homogenized by blending it in a food processor with dry ice. After all 10 jars were homogenized, 3 grams from each jar were combined into a separate container and mixed to create a composite sample. These composite samples were used for the PCB analyses and percent moisture calculations.

#### SOLID, 1668, WHO PCB congeners

Samples: 1, 2, 3

All samples were analyzed at a 10X dilution due to matrix interferences. The detection limits were elevated accordingly. Some of the internal standard recoveries remain high even with the dilution due to interferences with the recovery standard. There should be no impact on the data.

Samples: 1, 2, 3

These samples were not able to be concentrated to the normal final volume of 20 microliters due to matrix issues. The detection limits were elevated accordingly.

Sample: 2

The 13C-PCB-81 internal standard did not meet ion abundance ratio acceptance criteria for this sample. Theoretical areas were used to quantitate the internal standard recoveries and related target analytes. There should be no impact on the data.

Sample: 3

The PCB 77 detection limit was elevated for this sample due to matrix interferences. This elevated detection limit has been flagged with a 'G' qualifier and may be considered a maximum possible concentration.

There are no other anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	NA

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G9D040182

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
K9L38	1	090331-SW-01 TO 10-VG-COMPOSITE	3/31/2009 09:55 AM	4/4/2009 10:10 AM
K9L39	2	090331-NE-01 TO 10-VG-COMPOSITE	3/31/2009 12:22 PM	4/4/2009 10:10 AM
K9L4A	3	090331-S-01 TO 10-VG-COMPOSITE	3/31/2009 05:55 PM	4/4/2009 10:10 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

# Chain of Custody Record

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

TAL-4124 (1/007)

Client: **Chemical Waste Management, Inc.** Date: **04/02/09** Chain of Custody Number: **107202**

Address: **35251 Old Skyline Road** Telephone Number (Area Code)/Fax Number: \_\_\_\_\_ Lab Number: \_\_\_\_\_ Page: **1** of **1**

City: **Kettleman City** State: **CA** Zip Code: **93239**

Project Name and Location (State): \_\_\_\_\_ Lab Contact: **Karen Dahl**

XHF Carrier/Waybill Number: **FED EX**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix						Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH						
090331 - SW-01-VG-DVS	3/31/09	9:55			X	X	X	X	X	X	X	X	X	X	X	X		
090331 - SW-02-VG-DVS	3/31/09	10:09			X	X	X	X	X	X	X	X	X	X	X	X		
090331 - SW-03-VG-DVS	3/31/09	10:23			X	X	X	X	X	X	X	X	X	X	X	X		
090331 - SW-04-VG-DVS	3/31/09	10:39			X	X	X	X	X	X	X	X	X	X	X	X		
090331 - SW-05-VG-DVS	3/31/09	10:55			X	X	X	X	X	X	X	X	X	X	X	X		
090331 - SW-06-VG-DVS	3/31/09	11:12			X	X	X	X	X	X	X	X	X	X	X	X		
090331 - SW-07-VG-DVS	3/31/09	11:24			X	X	X	X	X	X	X	X	X	X	X	X		
090331 - SW-08-VG-DVS	3/31/09	11:57			X	X	X	X	X	X	X	X	X	X	X	X		
090331 - SW-09-VG-DVS	3/31/09	11:50			X	X	X	X	X	X	X	X	X	X	X	X		
090331 - SW-10-VG-DVS	3/31/09	12:30			X	X	X	X	X	X	X	X	X	X	X	X		
TEMP BLANK	N/A	N/A			X													Year 2009

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Unknown

Sample Disposal:  Return To Client  Disposal By Lab  Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: STD

1. Relinquished By: SE E Hahn Date: 04/02/09 Time: 1700

2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

QC Requirements (Specify): \_\_\_\_\_

1. Received By: [Signature] Date: 4-4-09 Time: 1508

2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \* 12 WHO 1997 Dioxin-like PCB Congeners per agreement with West

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1007)

Client: Chemical Waste Management, Inc. Date: 04/03/09 Chain of Custody Number: 107208

Address: 35251 Old Skyline Road Telephone Number (Area Code)/Fax Number: \_\_\_\_\_ Lab Number: \_\_\_\_\_ Page: 1 of 1

City: Kettleman City State: CA Zip Code: 93239 Project Name and Location (State): \_\_\_\_\_

Site Contact: Steve Halshouser Lab Contact: Karen Dehl

Carrier/Waybill Number: FED EX

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Aqueous	Sed.	Soil	Leg.	Unpres.	H2SO4	HNO3	HCl			NaOH	ZnAc/NaOH
090330 - NE-01-V6- <del>SEH</del> <u>SEH</u>	3/30/09	12:22			X	X								
090330 - NE-02-V6- <del>SEH</del> <u>SEH</u>	3/31/09	12:05			X	X								
090331 - NE-03-V6- <del>SEH</del> <u>SEH</u>	3-31-09	11:50			X	X								
090331 - NE-04-V6- <del>SEH</del> <u>SEH</u>	3-31-09	11:35			X	X								
090331 - NE-05-V6- <del>SEH</del> <u>SEH</u>	3-31-09	11:20			X	X								
090331 - NE-06-V6- <del>SEH</del> <u>SEH</u>	3-31-09	11:05			X	X								
090331 - NE-07-V6- <del>SEH</del> <u>SEH</u>	3-31-09	10:48			X	X								
090331 - NE-08-V6- <del>SEH</del> <u>SEH</u>	3-31-09	10:28			X	X								
090331 - NE-09-V6- <del>SEH</del> <u>SEH</u>	3-31-09	10:05			X	X								
090331 - NE-10-V6- <del>SEH</del> <u>SEH</u>	3-31-09	9:45			X	X								
Temp. BGA/ML	N/A	N/A												40ml DI H <sub>2</sub> O

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: STD

QC Requirements (Specify): \_\_\_\_\_

1. Relinquished By: SE E Hae Date: 04/02/09 Time: 1700

2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: [Signature] Date: 4-4-09 Time: 1500

2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \* 12 WHO 1987 Dioxin-like PCB Congeners per agreement with Wencit Samplers initials WLB or SEH

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1007)

Client: **Chemical Waste Management, Inc.** Project Manager: **Paul Turek** Date: **04/03/09** Chain of Custody Number: **107204**  
 Address: **35251 Old Skyline Road** Telephone Number (Area Code)/Fax Number: \_\_\_\_\_ Lab Number: \_\_\_\_\_ Page **1** of **1**  
 City: **CA** Zip Code: **93239** Site Contact: **Steve Holshouser** Lab Contact: **Karen Dahl**  
 Project Name and Location (State): **KHF** Carrier/Waybill Number: **FED EX**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Soil	Sed.	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
090331 - S-01-VG-RJF	3/31/09	1755		X											
090331 - S-02-VG-RJF	3/31/09	1745		X											
090331 - S-03-VG-RJF		1730		X											
090331 - S-04-VG-RJF		1712		X											
090331 - S-05-VG-RJF		1700		X											
090331 - S-06-VG-RJF		1640		X											
090331 - S-07-VG-RJF		1625		X											
090331 - S-08-VG-RJF		1610		X											
090331 - S-09-VG-RJF		1555		X											
090331 - S-10-VG-RJF		1540		X											
090331 - S-05-R-RJF	3/31/09	1651	X												
TEMP BLANK	N/A	N/A	X												

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**

1. Relinquished By: **Steve Holshouser** Date: **04/03/09** Time: **1700**  
 1. Received By: **Cheryl Hill** Date: **4-4-09** Time: **1500**  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **\* 12 WHO 1997 Dioxin-like PCB Congeners per agreement with Mendocino**  
 DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

CLIENT Wenck PM KD LOG # 57791  
LOT# (QUANTIMS ID) G9D04182 QUOTE# 81307 LOCATION WEF W4D

DATE RECEIVED 4-4-09 TIME RECEIVED 10:10 Initials ai Date 4-4-09

- DELIVERED BY
- FEDEX
  - AIRBORNE
  - UPS
  - TAL COURIER
  - OTHER
  - CA OVERNIGHT
  - GOLDENSTATE
  - BAX GLOBAL
  - VALLEY LOGISTICS
  - CLIENT
  - DHL
  - GO-GETTERS
  - MORGAN HILL COURIER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) \_\_\_\_\_

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER \_\_\_\_\_

COC #(S) 107208

TEMPERATURE BLANK Observed: \_\_\_\_\_ Corrected: \_\_\_\_\_

SAMPLE TEMPERATURE  
Observed: see temp sheet Average: \_\_\_\_\_ Corrected Average: \_\_\_\_\_

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY: \_\_\_\_\_

LABELS CHECKED BY: \_\_\_\_\_

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING  
WETCHEM  N/A  
VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)\*  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Notes: \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

CLIENT: Wenck LOT# (QUANTIMS ID): G9D040180

TEMPERATURE RECORD (IN °C)	IR 4 <input type="checkbox"/>	5 <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>	INITIALS	DATE
COOLER ID <u>1</u>				<u>AW</u>	<u>4-11-09</u>
CUSTODY SEAL STATUS <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> N/A					
CUSTODY SEAL #(S) <u>406707, 521284</u>					
COC #(S) <u>107208</u>					
TEMPERATURE BLANK: OBSERVED: <u>5</u> CORRECTED: <u>5</u>					
SAMPLE TEMPERATURE:					
OBSERVED: <u>3 5 7</u> AVERAGE: <u>5</u> CORRECTED: <u>5</u>					
SAMPLES / TESTS (IF NCM REQUIRED):					
COOLER ID <u>2</u>					
CUSTODY SEAL STATUS <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> N/A					
CUSTODY SEAL #(S) <u>521294, 406728</u>					
COC #(S) <u>107204</u>					
TEMPERATURE BLANK: OBSERVED: <u>2</u> CORRECTED: <u>2</u>					
SAMPLE TEMPERATURE:					
OBSERVED: <u>5 5 6</u> AVERAGE: <u>5</u> CORRECTED: <u>5</u>					
SAMPLES / TESTS (IF NCM REQUIRED):					
COOLER ID <u>3</u>					
CUSTODY SEAL STATUS <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> N/A					
CUSTODY SEAL #(S) <u>22146, 532044</u>					
COC #(S) <u>107202</u>					
TEMPERATURE BLANK: OBSERVED: <u>5</u> CORRECTED: <u>5</u>					
SAMPLE TEMPERATURE:					
OBSERVED: <u>4 5 6</u> AVERAGE: <u>5</u> CORRECTED: <u>5</u>					
SAMPLES / TESTS (IF NCM REQUIRED):					

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE.

Lot  
ID: \_\_\_\_\_

G9D040182

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB				1																
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ	10	10	10																	
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

# SOLID, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: 090331-SW-01 TO 10-VG-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D040182-001    Work Order #...: K9L381AC    Matrix.....: SOLID  
 Date Sampled...: 03/31/09    Date Received...: 04/04/09  
 Prep Date.....: 04/27/09    Analysis Date...: 05/05/09  
 Prep Batch #...: 9117268  
 Dilution Factor: 10  
 % Moisture.....: 28

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	69	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	69	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	69	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	69	pg/g	EPA-14 1668
PCB 118 (BZ)	ND	69	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	69	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	69	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	69	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	69	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	69	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	69	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	69	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	102	(25 - 150)
13C12-PCB 81	98	(25 - 150)
13C12-PCB 118	107	(25 - 150)
13C12-PCB 114	113	(25 - 150)
13C12-PCB 105	113	(25 - 150)
13C12-PCB 126	125	(25 - 150)
13C12-PCB 167	140	(25 - 150)
13C12-PCB 156	144	(25 - 150)
13C12-PCB 157	141	(25 - 150)
13C12-PCB 169	158 *	(25 - 150)
13C12-PCB 189	147	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight

\* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: 090331-NE-01 TO 10-VG-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D040182-002    Work Order #...: K9L391AC    Matrix.....: SOLID  
 Date Sampled...: 03/31/09    Date Received...: 04/04/09  
 Prep Date.....: 04/27/09    Analysis Date...: 05/05/09  
 Prep Batch #...: 9117268  
 Dilution Factor: 10  
 % Moisture.....: 24

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 118 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	65	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	65	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	98	(25 - 150)
13C12-PCB 81	81	(25 - 150)
13C12-PCB 118	102	(25 - 150)
13C12-PCB 114	97	(25 - 150)
13C12-PCB 105	110	(25 - 150)
13C12-PCB 126	121	(25 - 150)
13C12-PCB 167	150	(25 - 150)
13C12-PCB 156	150	(25 - 150)
13C12-PCB 157	152 *	(25 - 150)
13C12-PCB 169	162 *	(25 - 150)
13C12-PCB 189	160 *	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.

\* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: 090331-S-01 TO 10-VG-COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9D040182-003    Work Order #...: K9L4A1AC    Matrix.....: SOLID  
 Date Sampled...: 03/31/09    Date Received...: 04/04/09  
 Prep Date.....: 04/27/09    Analysis Date...: 05/05/09  
 Prep Batch #...: 9117268  
 Dilution Factor: 10  
 % Moisture.....: 13

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	60	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	57	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>110 C</b>	<b>57</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	57	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>170 C</b>	<b>57</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	57	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	57	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	57	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	57	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	57	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	57	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	57	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	88	(25 - 150)
13C12-PCB 81	87	(25 - 150)
13C12-PCB 118	95	(25 - 150)
13C12-PCB 114	107	(25 - 150)
13C12-PCB 105	108	(25 - 150)
13C12-PCB 126	103	(25 - 150)
13C12-PCB 167	138	(25 - 150)
13C12-PCB 156	139	(25 - 150)
13C12-PCB 157	142	(25 - 150)
13C12-PCB 169	152 *	(25 - 150)
13C12-PCB 189	150	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

C Co-eluting isomer.

\* Surrogate recovery is outside stated control limits.



# QC DATA ASSOCIATION SUMMARY

G9D040182

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
002	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
003	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9D040182  
 MB Lot-Sample #: G9D270000-268

Work Order #...: LAT8P1AA

Matrix.....: SOLID

Prep Date.....: 04/27/09

Analysis Date...: 05/01/09

Prep Batch #...: 9117268

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
PCB 77 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 118 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.0	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	51	(25 - 150)
13C12-PCB 81	47	(25 - 150)
13C12-PCB 118	52	(25 - 150)
13C12-PCB 114	54	(25 - 150)
13C12-PCB 105	65	(25 - 150)
13C12-PCB 126	32	(25 - 150)
13C12-PCB 167	61	(25 - 150)
13C12-PCB 156	68	(25 - 150)
13C12-PCB 157	69	(25 - 150)
13C12-PCB 169	79	(25 - 150)
13C12-PCB 189	99	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9D040182      Work Order #...: LAT8P1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9D270000-268  
 Prep Date.....: 04/27/09      Analysis Date...: 05/01/09  
 Prep Batch #...: 9117268  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	200	224	pg/g	112	EPA-14 1668
PCB 81 (BZ)	200	221	pg/g	111	EPA-14 1668
PCB 105 (BZ)	200	230	pg/g	115	EPA-14 1668
PCB 114 (BZ)	200	232	pg/g	116	EPA-14 1668
PCB 118 (BZ)	200	237	pg/g	119	EPA-14 1668
PCB 123 (BZ)	200	234	pg/g	117	EPA-14 1668
PCB 126 (BZ)	200	228	pg/g	114	EPA-14 1668
PCB 156 (BZ)	200	239	pg/g	120	EPA-14 1668
PCB 157 (BZ)	200	237	pg/g	119	EPA-14 1668
PCB 167 (BZ)	200	192	pg/g	96	EPA-14 1668
PCB 169 (BZ)	200	232	pg/g	116	EPA-14 1668
PCB 189 (BZ)	200	213	pg/g	107	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	58	(25 - 150)
13C12-PCB 81	55	(25 - 150)
13C12-PCB 118	64	(25 - 150)
13C12-PCB 114	66	(25 - 150)
13C12-PCB 105	75	(25 - 150)
13C12-PCB 126	88	(25 - 150)
13C12-PCB 167	79	(25 - 150)
13C12-PCB 156	85	(25 - 150)
13C12-PCB 157	88	(25 - 150)
13C12-PCB 169	99	(25 - 150)
13C12-PCB 189	114	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9D040182      Work Order #...: LAT8P1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9D270000-268  
 Prep Date.....: 04/27/09      Analysis Date...: 05/01/09  
 Prep Batch #...: 9117268  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	112	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	111	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	115	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	116	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	119	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	117	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	114	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	120	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	119	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	96	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	116	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	107	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	58	(25 - 150)
13C12-PCB 81	55	(25 - 150)
13C12-PCB 118	64	(25 - 150)
13C12-PCB 114	66	(25 - 150)
13C12-PCB 105	75	(25 - 150)
13C12-PCB 126	88	(25 - 150)
13C12-PCB 167	79	(25 - 150)
13C12-PCB 156	85	(25 - 150)
13C12-PCB 157	88	(25 - 150)
13C12-PCB 169	99	(25 - 150)
13C12-PCB 189	114	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# SOLID, D 2216-90, Percent Moisture

Wenck Associates, Inc.

Client Sample ID: 090331-SW-01 TO 10-VG-COMPOSITE

General Chemistry

Lot-Sample #...: G9D040182-001    Work Order #...: K9L38    Matrix.....: SOLID  
Date Sampled...: 03/31/09    Date Received..: 04/04/09  
% Moisture.....: 28

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	27.6	0.10	%	ASTM D 2216-90	04/27-04/28/09	9117234

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090331-NE-01 TO 10-VG-COMPOSITE

General Chemistry

Lot-Sample #...: G9D040182-002  
Date Sampled...: 03/31/09  
% Moisture.....: 24

Work Order #...: K9L39  
Date Received..: 04/04/09

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	24.5	0.10	%	ASTM D 2216-90	04/27-04/28/09	9117234

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090331-S-01 TO 10-VG-COMPOSITE

General Chemistry

Lot-Sample #...: G9D040182-003    Work Order #...: K9L4A    Matrix.....: SOLID  
Date Sampled...: 03/31/09    Date Received..: 04/04/09  
% Moisture.....: 13

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	12.5	0.10	%	ASTM D 2216-90	04/27-04/28/09	9117234

Dilution Factor: 1



# QC DATA ASSOCIATION SUMMARY

G9D040182

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
002	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	
003	SOLID	ASTM D 2216-90		9117234	9117150
	SOLID	EPA-14 1668		9117268	



# SOLID, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

*Includes (as applicable):*

*runlogs*

*continuing calibration standards*

*interference/performance check standards*

*continuing calibration blanks*

*method blanks*

*ics*

*ms/sd*

*sample raw data*

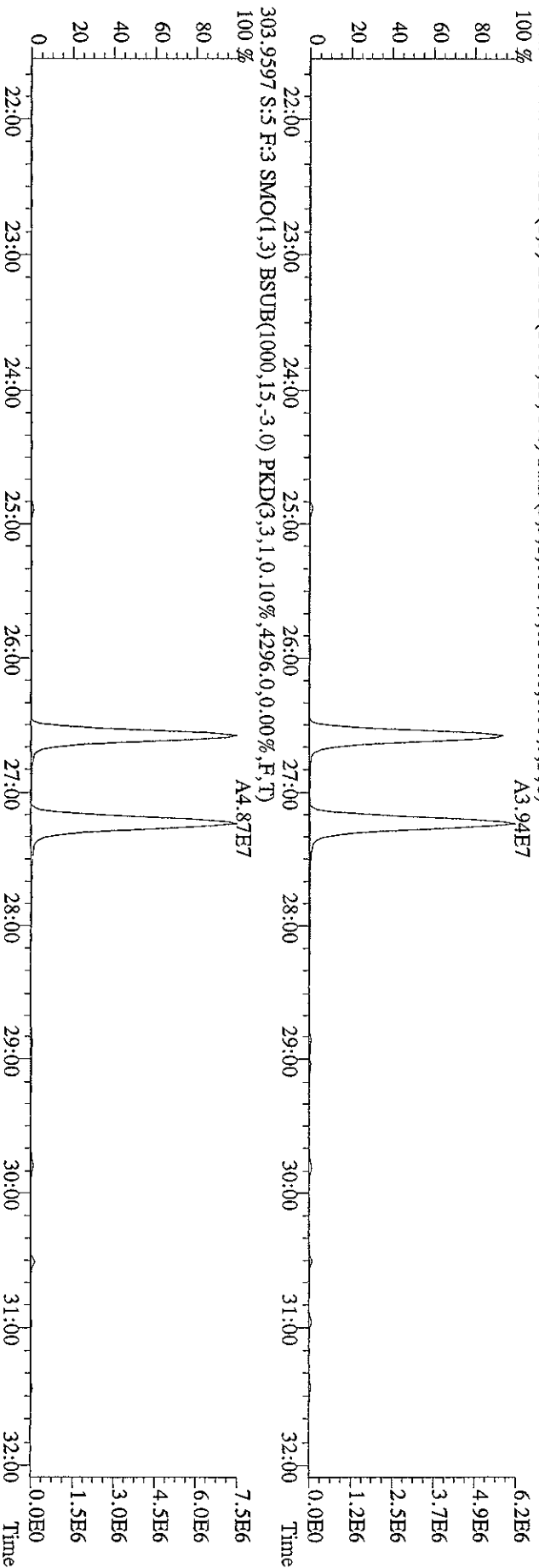
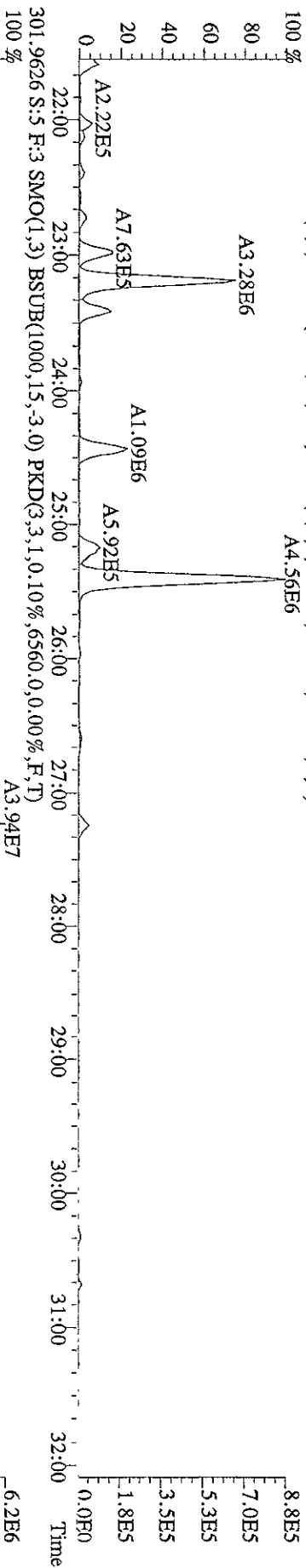
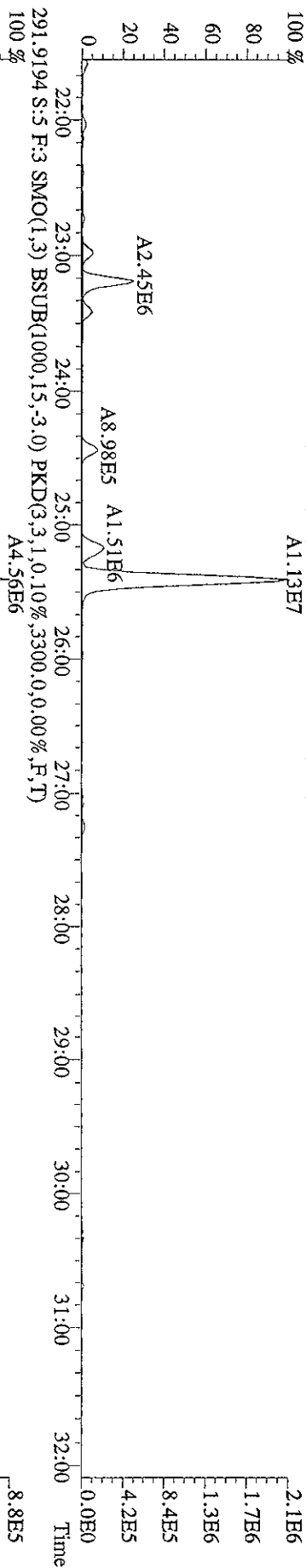
*ms tune data*

Run text: LAT8P-1-AA Sample text: LAT8P-1-AA :G9D030340-MB  
 Run #8 Filename: 01MY099D5 S: 5 I: 1 Results: 01MY099D51668MSLDEC  
 Acquired: 1-MAY-09 16:13:43 Processed: 1-MAY-09 18:05:30  
 Run: 01MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.00007g

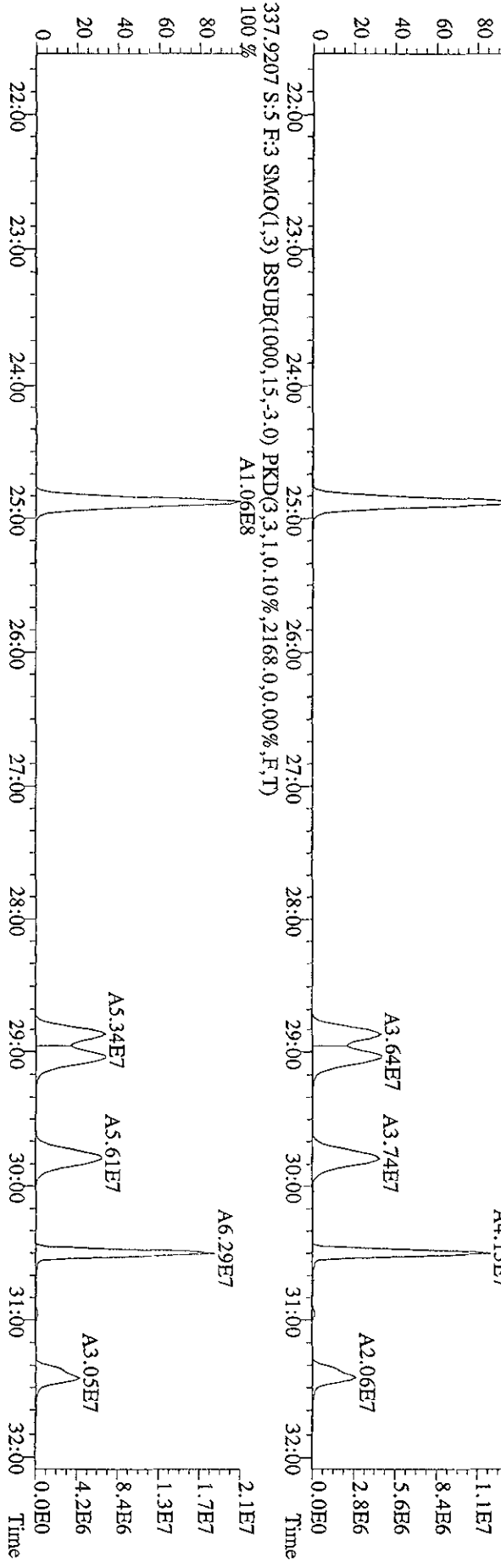
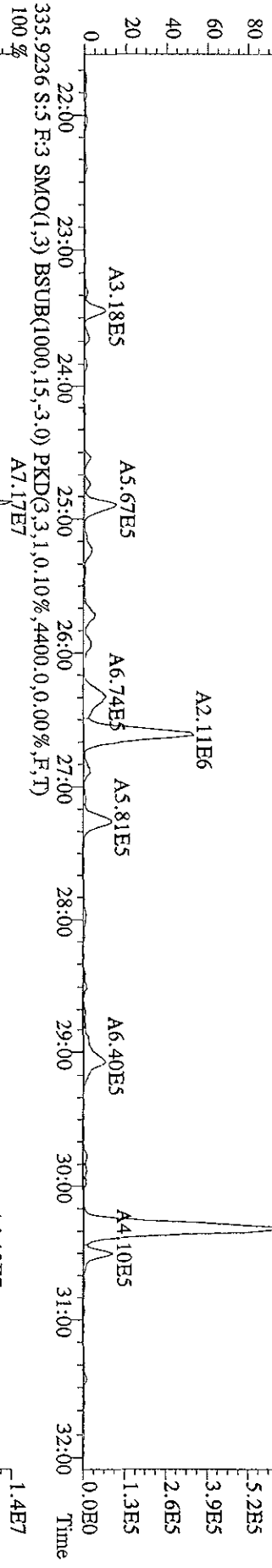
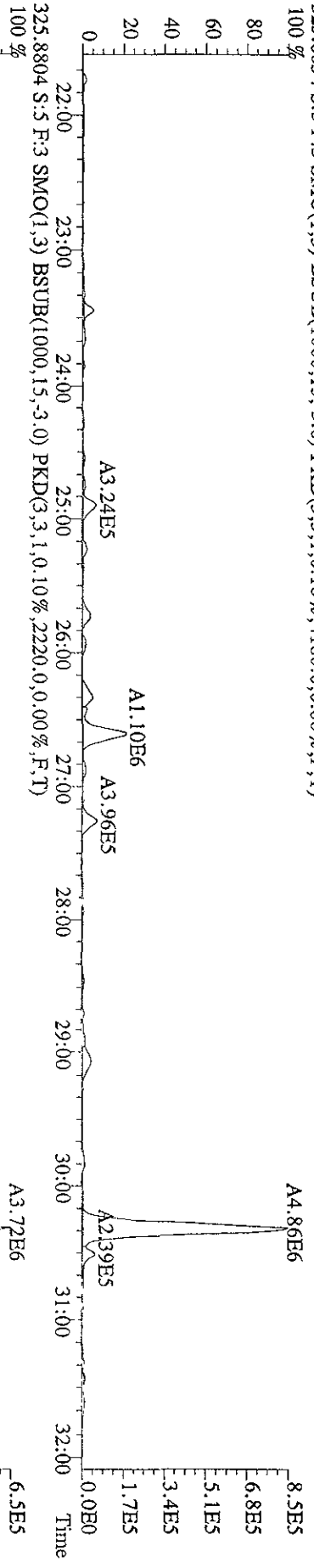
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	177768500	0.68 y	24:52	-	7.27	-	-	n
13C-TCB-81	79305900	0.79 y	26:35	0.95	94.19	0.16	47.1	n
TCB-81	59783	1.38 n	26:37	1.28	0.12	0.23	-	n
13C-TCB-77	88122600	0.81 y	27:14	0.98	100.92	0.16	50.5	n
TCB-77	444878	0.76 y	27:15	1.10	0.92	0.26	-	n
13C-PeCB-123	88659700	0.66 y	28:52	0.87	114.46	0.11	57.2	n
PeCB-123	*	* n	NotFnd	1.51	*	0.18	-	n
13C-PeCB-118	91436800	0.66 y	29:02	0.98	104.49	0.10	52.2	n
PeCB-118/106	769311	0.46 n	29:03	1.53	1.10	0.18	-	n
13C-PeCB-114	93448700	0.67 y	29:48	0.97	108.80	0.10	54.4	n
PeCB-114	*	* n	NotFnd	1.59	*	0.18	-	n
13C-PeCB-105	104262200	0.66 y	30:30	0.90	130.74	0.11	65.4	n
PeCB-105/127	648461	0.58 y	30:30	1.42	0.87	0.07	-	n
13C-PeCB-126	51054500	0.68 y	31:26	0.91	63.02	0.10	31.5	n
PeCB-126	61989	0.83 n	31:26	1.17	0.21	0.37	-	n
13C-OcCB-202	188769100	0.90 y	33:41	-	7.33	-	-	n
13C-HxCB-167	97139700	1.26 y	32:31	0.84	122.29	0.20	61.1	n
HxCB-167	*	* n	NotFnd	1.17	*	0.06	-	n
13C-HxCB-156	85364800	1.31 y	33:49	0.67	134.95	0.26	67.5	n
HxCB-156	133157	1.75 n	33:50	1.45	0.21	0.06	-	n
13C-HxCB-157	92179200	1.29 y	34:08	0.71	138.17	0.24	69.1	n
HxCB-157	78407	1.23 y	34:08	1.45	0.12	0.06	-	n
13C-HxCB-169	108885800	1.28 y	35:58	0.73	157.28	0.23	78.6	n
HxCB-169	47037	1.29 y	36:00	0.99	0.09	0.08	-	n
13C-HpCB-180	87271800	1.02 y	34:47	0.58	158.16	0.17	79.1	n
HpCB-180	165390	1.39 n	34:48	1.27	0.30	0.25	-	n
13C-HpCB-170	77632500	1.04 y	36:25	0.47	173.37	0.21	86.7	n
HpCB-170/190	*	* n	NotFnd	1.61	*	0.24	-	n
13C-HpCB-189	111363000	1.02 y	38:03	0.60	197.13	0.17	98.6	n
HpCB-189	*	* n	NotFnd	1.21	*	0.22	-	n
13C-DeCB-209	55086600	0.72 y	43:25	0.46	126.83	3.05	63.4	n
DECB-209	171624	1.06 n	43:27	1.50	0.41	0.03	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	0.17	*	n

*Handwritten signature/initials*  
 5/5/09

File:01MY099D5 #1-594 Acq: 1-MAY-2009 16:13:43 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#5 Text:LAT8P-1-AA :G9D030340-MB Exp:209DB5  
289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4620,0,0,00%,F,T)  
100% A1.13E7

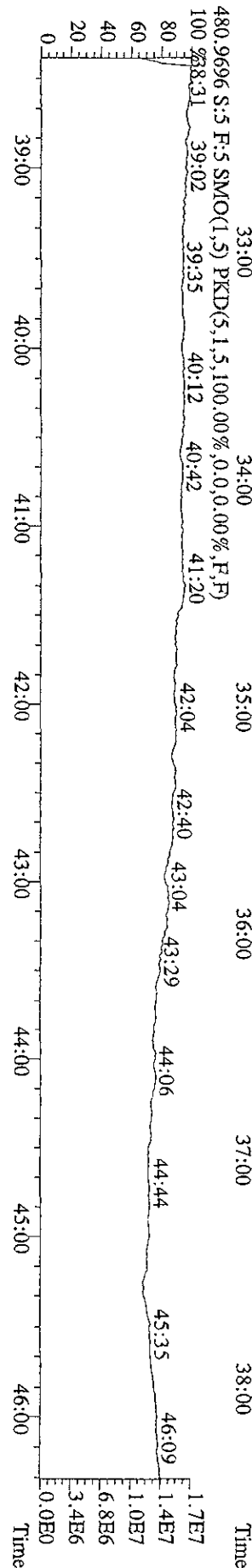
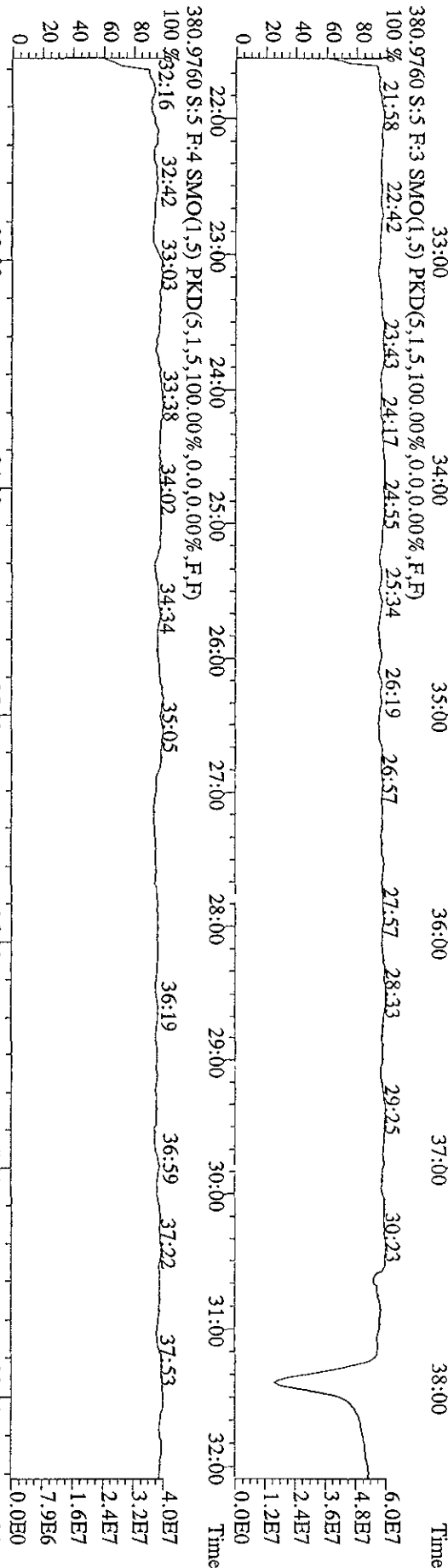
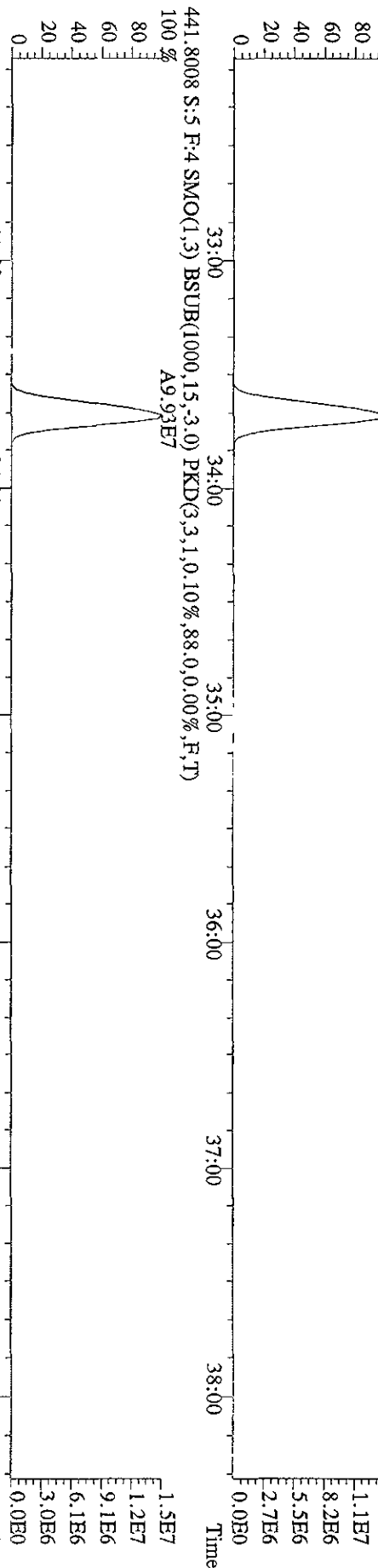


File:01MAY099D5 #1-594 Acq: 1-MAY-2009 16:13:43 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text: LAT8P-1-AA :G9D030340-MB Exp:209DB5  
 323.8834 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4180,0,0,00%,F,T)

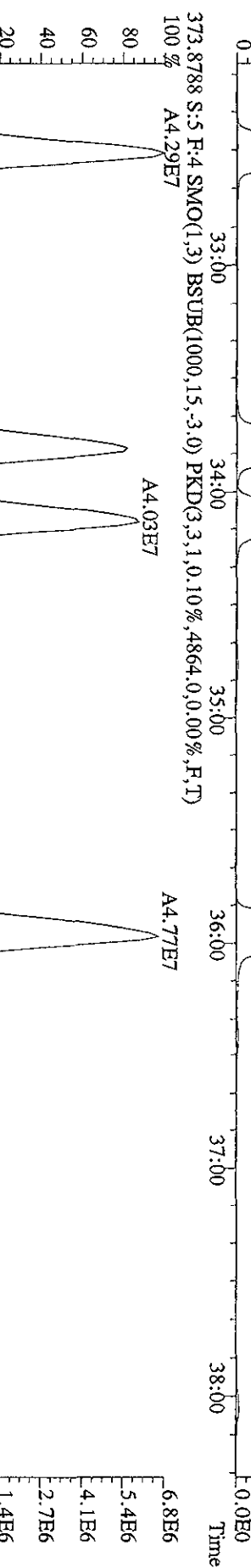
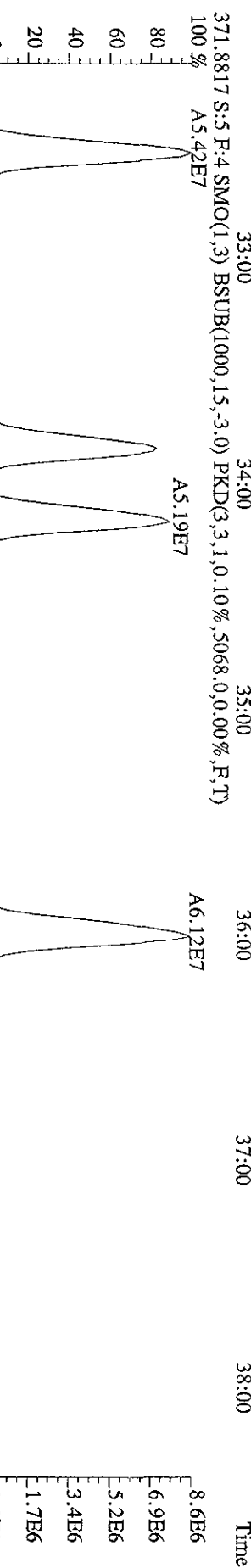
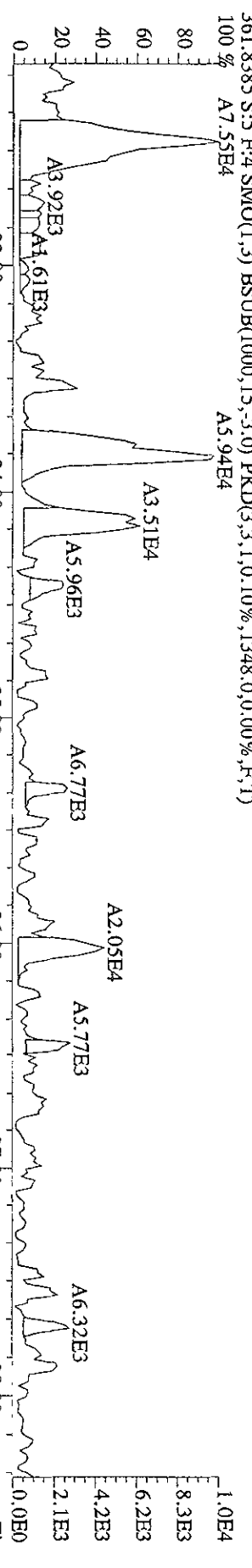
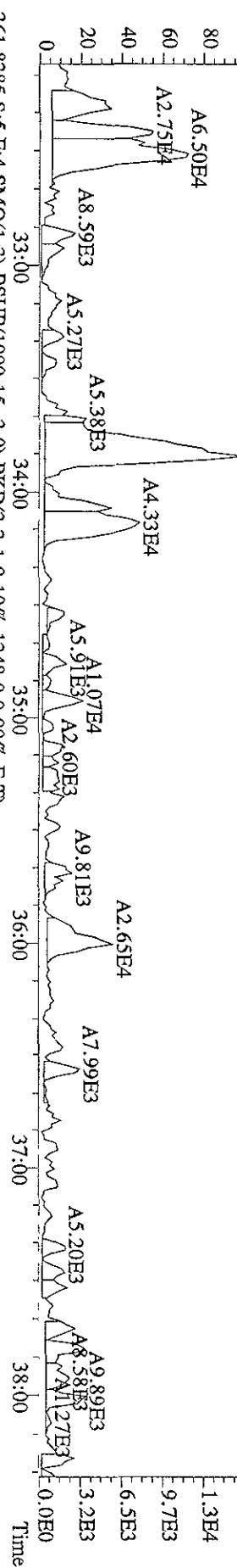




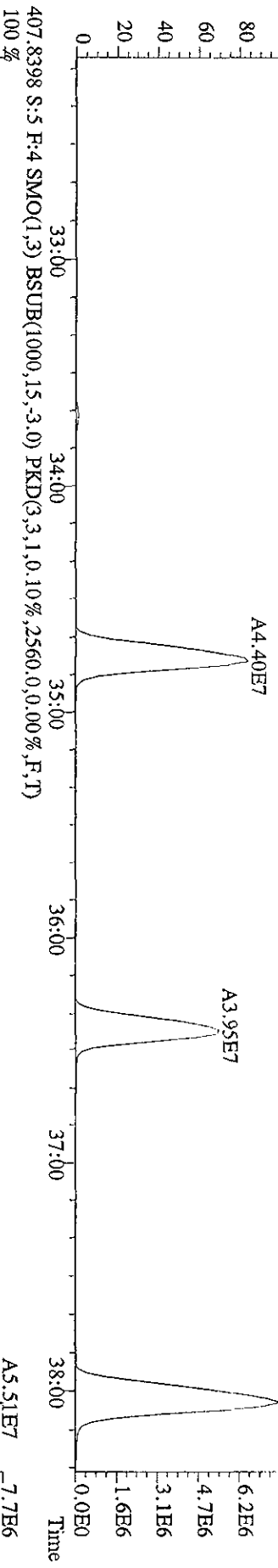
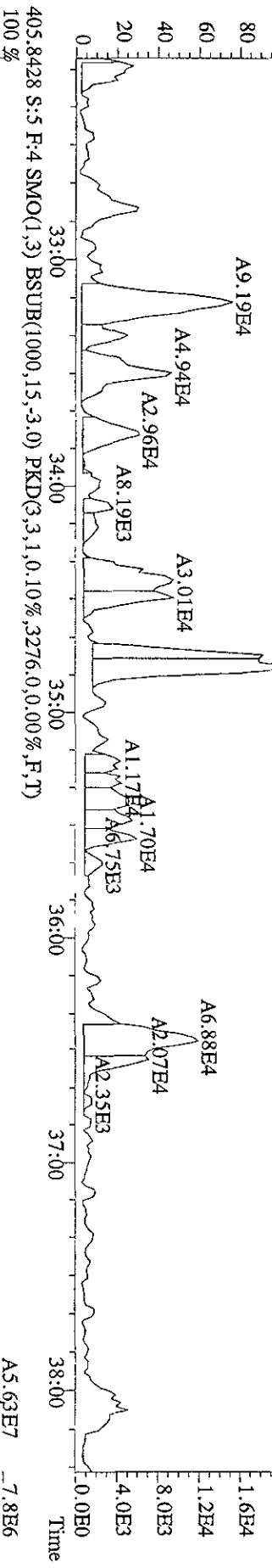
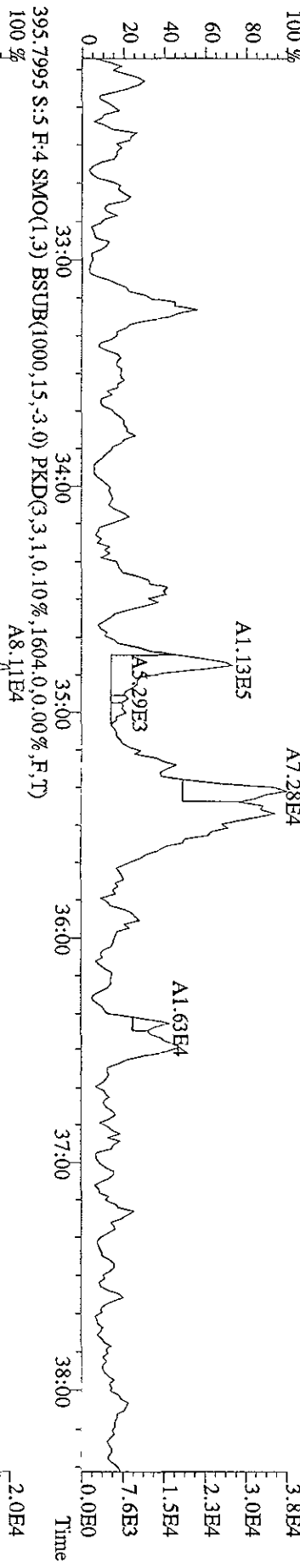
File:01MYY099D5 #1-381 Acq: 1-MAY-2009 16:13:43 GC EI + Voltage SIR Autospec-Ultimate  
Sample#5 Text:LAT8P-1-AA :G9D030340-MB Exp:209DB5  
439.8038 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,80,0,0,00%,F,T)  
A8.95E7



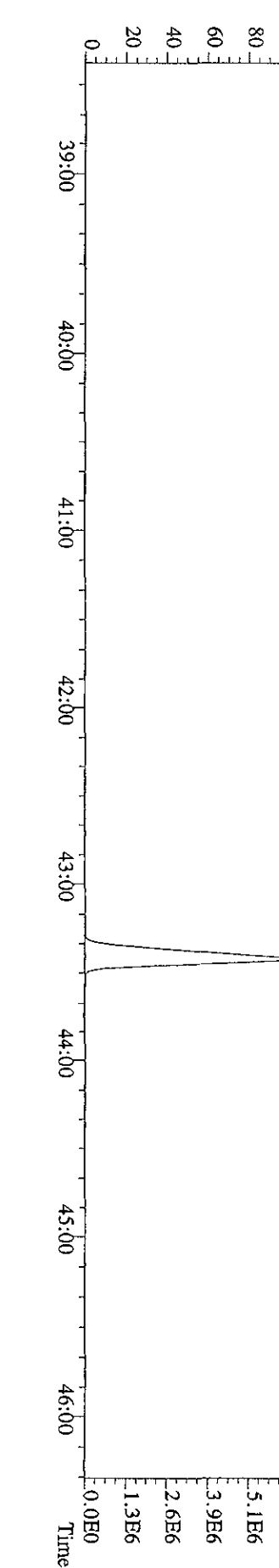
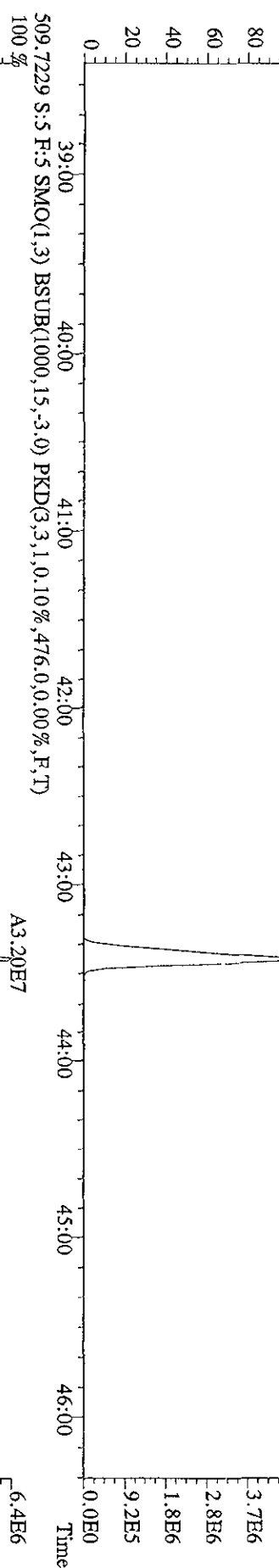
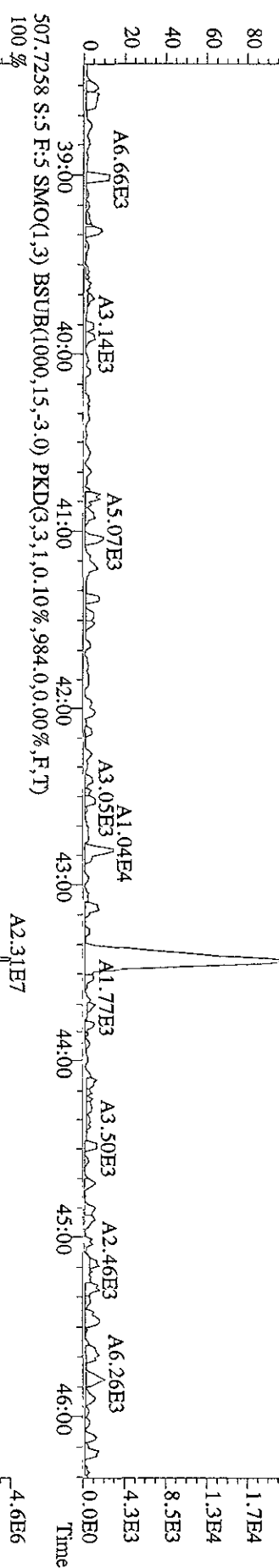
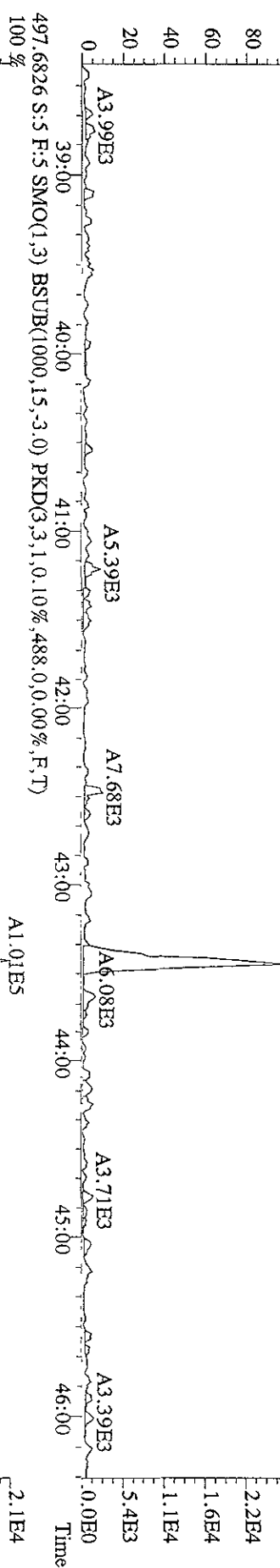
File:01MAY09D5 #1-381 Acq: 1-MAY-2009 16:13:43 GC HI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text: LAT8P-1-AA :G9D030340-MB Exp:209DB5  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,972,0,0,00%,F,T)  
 1.00%



File:01MAY099D5 #1-381 Acq: 1-MAY-2009 16:13:43 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text:LAT8P-1-AA :G9D030340-MB Exp:209DB5  
 393.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6768.0,0.00%,F,T)



File:01MY099D5 #1-529 Acq: 1-MAY-2009 16:13:43 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#5 Text:LAT8P-1-AA :G9D030340-MB Exp:209DB5  
 495.6826 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,604.0,0.00%,F,T)

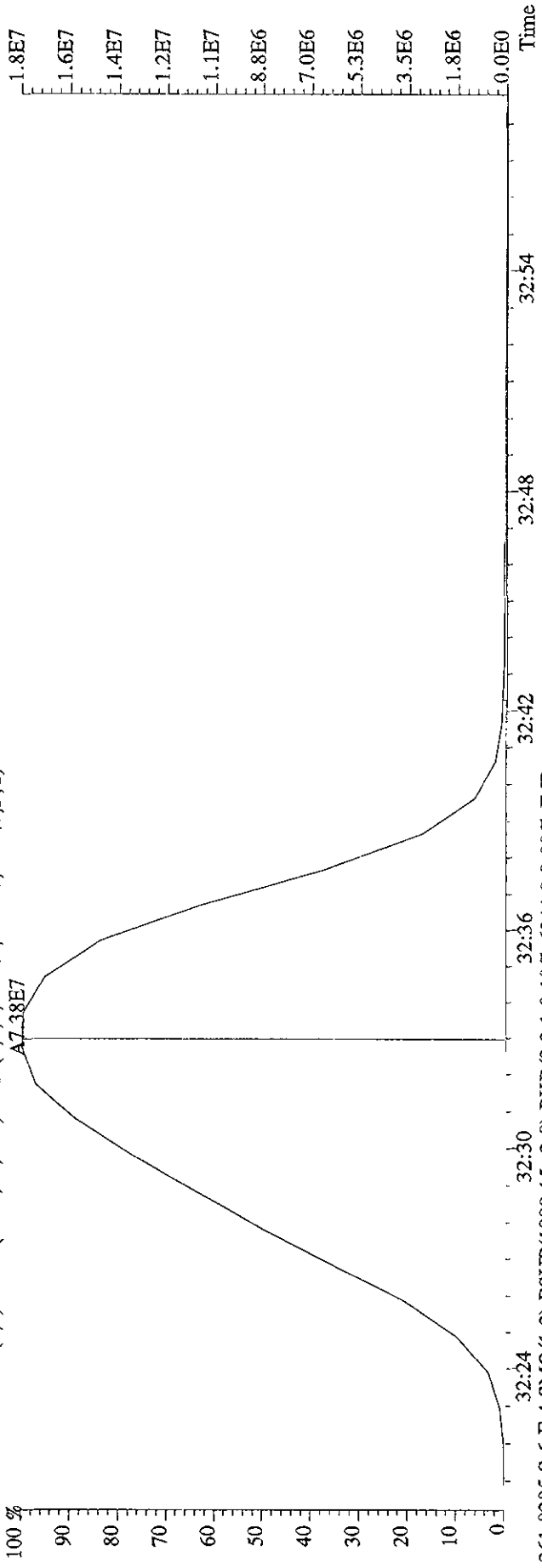


Run text: LAT8P-1-AC Sample text: LAT8P-1-AC :G9D030340-LCS  
 Run #9 Filename: 01MY099D5 S: 6 I: 1 Results: 01MY099D51668MSLDEC  
 Acquired: 1-MAY-09 17:04:58 Processed: 1-MAY-09 18:05:32  
 Run: 01MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.00007g

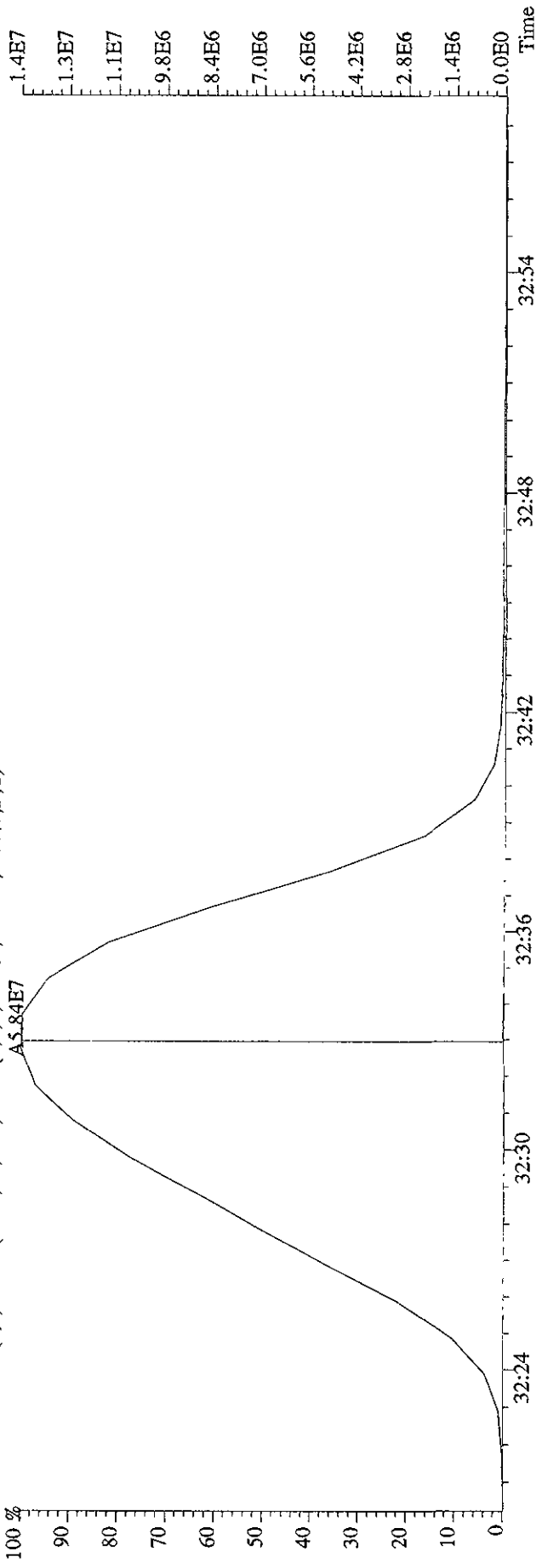
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	166502100	0.66 y	24:26	-	6.81	-	-	n
13C-TCB-81	86649700	0.80 y	25:59	0.95	109.87	0.13	54.9	n
TCB-81	122595800	0.79 y	26:00	1.28	221.37	0.23	-	n
13C-TCB-77	94123800	0.85 y	26:33	0.98	115.09	0.12	57.5	n
TCB-77	116096000	0.80 y	26:34	1.10	223.56	0.26	-	n
13C-PeCB-123	99321900	0.67 y	27:54	0.87	136.90	0.10	68.5	n
PeCB-123	175640900	0.59 y	27:55	1.51	234.38	0.15	-	n
13C-PeCB-118	105619200	0.66 y	28:02	0.98	128.86	0.09	64.4	n
PeCB-118/106	191404500	0.60 y	28:03	1.53	237.20	0.14	-	n
13C-PeCB-114	105633900	0.65 y	28:41	0.97	131.31	0.09	65.7	n
PeCB-114	193967000	0.59 y	28:42	1.59	231.63	0.13	-	n
13C-PeCB-105	112085300	0.66 y	29:33	0.90	150.05	0.10	75.0	n
PeCB-105/127	183042200	0.60 y	29:34	1.42	229.65	0.15	-	n
13C-PeCB-126	133816200	0.66 y	31:27	0.91	176.34	0.10	88.2	n
PeCB-126	178771000	0.61 y	31:28	1.17	227.74	0.17	-	n
13C-OcCB-202	177330100	0.89 y	33:44	-	6.89	-	-	n
13C-HxCB-167	117622100	1.28 y	32:34	0.84	157.63	0.19	78.8	n
HxCB-167	132190600	1.26 y	32:34	1.17	192.30	0.31	-	y
13C-HxCB-156	101316600	1.30 y	33:50	0.67	170.49	0.23	85.2	n
HxCB-156	176170600	1.27 y	33:52	1.45	239.46	0.31	-	n
13C-HxCB-157	110061500	1.28 y	34:10	0.71	175.62	0.22	87.8	n
HxCB-157	188799700	1.24 y	34:11	1.45	237.19	0.28	-	n
13C-HxCB-169	129331000	1.29 y	36:00	0.73	198.86	0.21	99.4	n
HxCB-169	148658700	1.27 y	36:00	0.99	232.40	0.38	-	n
13C-HpCB-180	100792000	1.02 y	34:48	0.58	194.45	0.12	97.2	n
HpCB-180	135550500	1.07 y	34:50	1.27	212.59	0.18	-	n
13C-HpCB-170	85916500	1.04 y	36:27	0.47	204.25	0.14	102.1	n
HpCB-170/190	149718400	1.08 y	36:28	1.61	216.95	0.17	-	n
13C-HpCB-189	121404800	1.01 y	38:04	0.60	228.77	0.11	114.4	n
HpCB-189	156243800	1.10 y	38:05	1.21	213.36	0.17	-	n
13C-DeCB-209	82542600	0.71 y	43:38	0.46	202.31	0.02	101.2	n
DECB-209	132143200	0.69 y	43:39	1.50	212.78	0.03	-	n
13C-PeCB-111	*	* n	Not Fnd	1.36	*	0.12	*	n

*S/S/09*

File: 01MY099D5 #1-381 Acq: 1-MAY-2009 17:04:58 GC EI+ Voltage SIR\_Autospec-UltimaE  
 Sample#6 Text: LAT8P-1-AC :G9D030340-LCS Exp:209DB5  
 359.8415 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7580.0,0.00%,F,T)



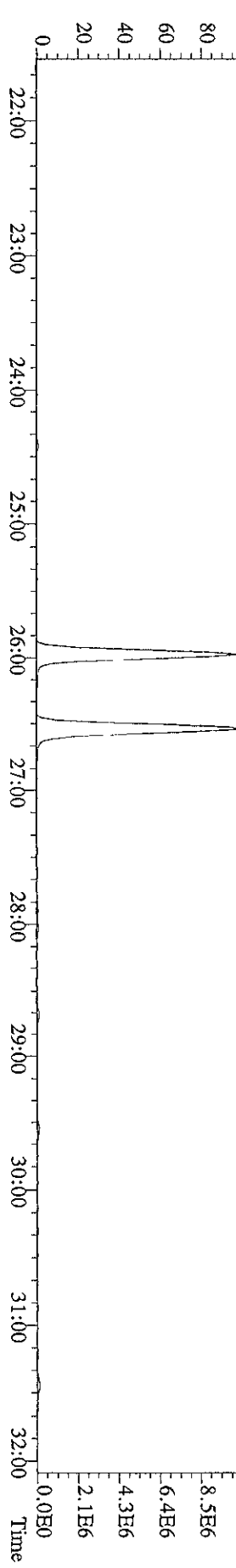
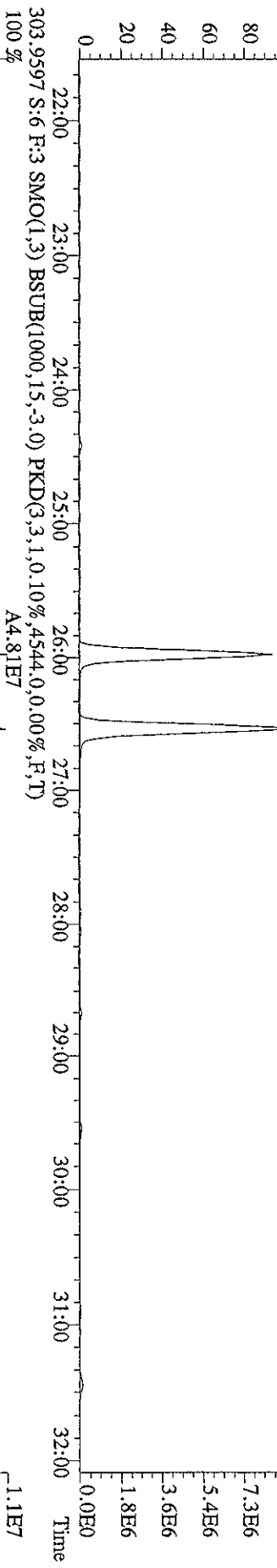
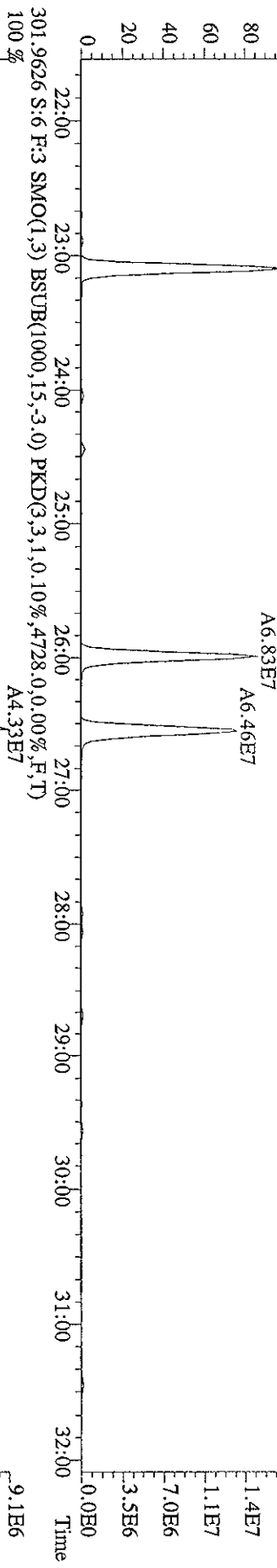
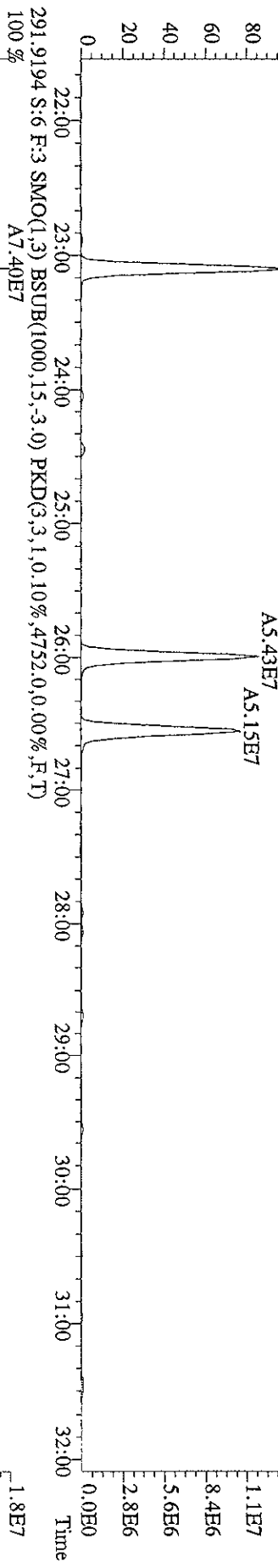
361.8385 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6344.0,0.00%,F,T)



Run text: LAT8P-1-AC Sample text: LAT8P-1-AC :G9D030340-LCS  
 Run #9 Filename: 01MY099D5 S: 6 I: 1 Results: 01MY099D51668MSLDEC  
 Acquired: 1-MAY-09 17:04:58 Processed: 1-MAY-09 18:05:32  
 Run: 01MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.00007g

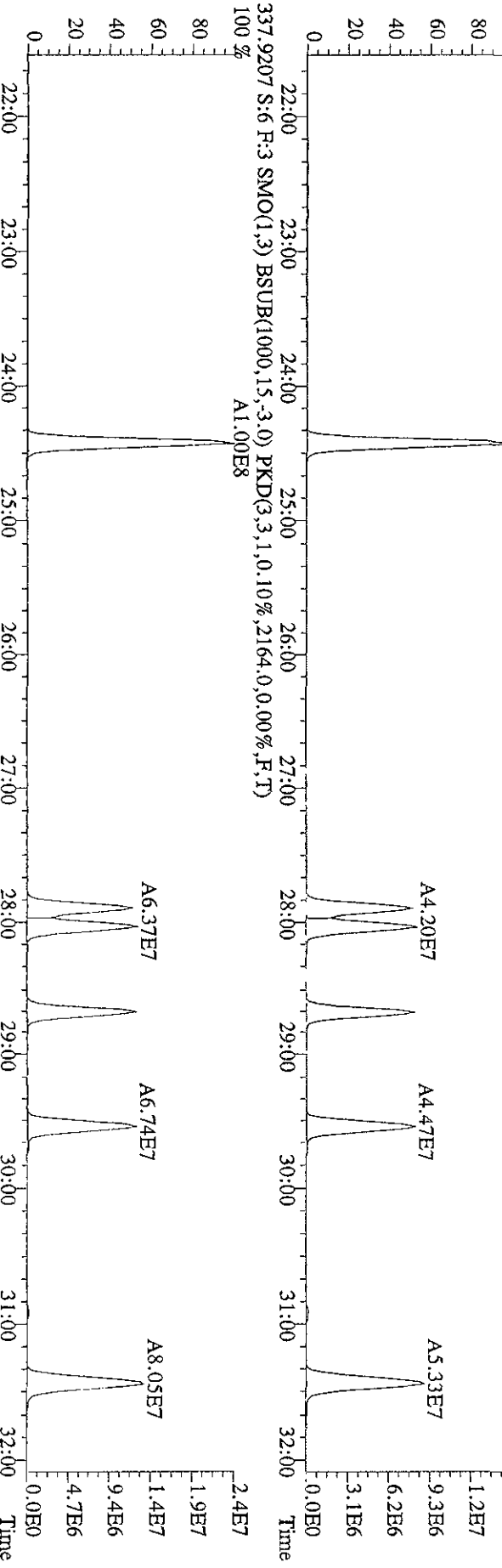
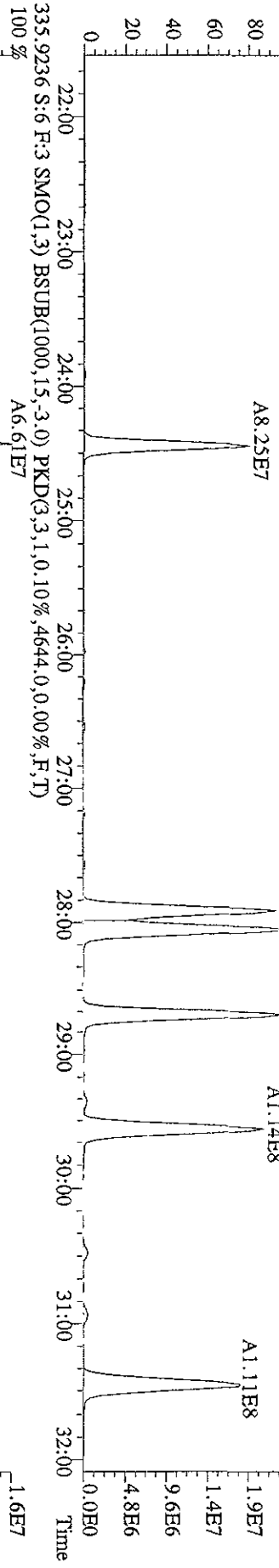
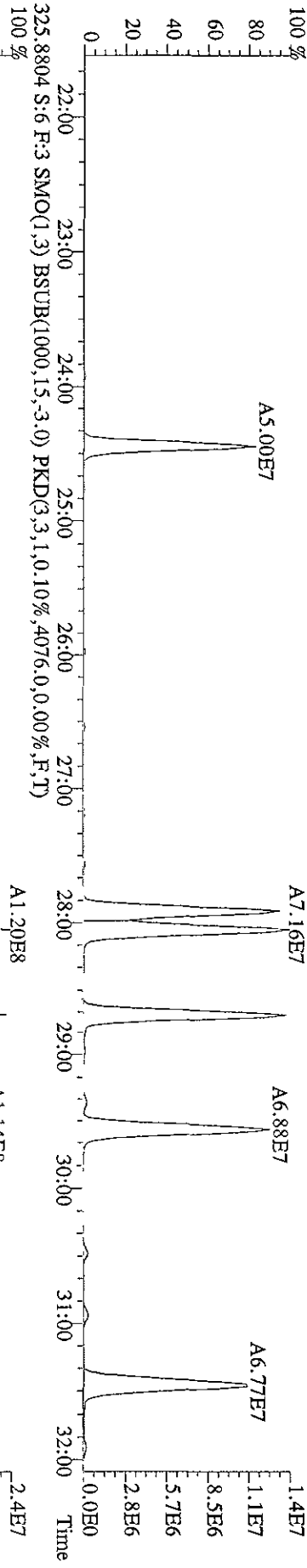
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	166502100	0.66 y	24:26	-	6.81	-	-	n
13C-TCB-81	86649700	0.80 y	25:59	0.95	109.87	0.13	54.9	n
TCB-81	122595800	0.79 y	26:00	1.28	221.37	0.23	-	n
13C-TCB-77	94123800	0.85 y	26:33	0.98	115.09	0.12	57.5	n
TCB-77	116096000	0.80 y	26:34	1.10	223.56	0.26	-	n
13C-PeCB-123	99321900	0.67 y	27:54	0.87	136.90	0.10	68.5	n
PeCB-123	175640900	0.59 y	27:55	1.51	234.38	0.15	-	n
13C-PeCB-118	105619200	0.66 y	28:02	0.98	128.86	0.09	64.4	n
PeCB-118/106	191404500	0.60 y	28:03	1.53	237.20	0.14	-	n
13C-PeCB-114	105633900	0.65 y	28:41	0.97	131.31	0.09	65.7	n
PeCB-114	193967000	0.59 y	28:42	1.59	231.63	0.13	-	n
13C-PeCB-105	112085300	0.66 y	29:33	0.90	150.05	0.10	75.0	n
PeCB-105/127	183042200	0.60 y	29:34	1.42	229.65	0.15	-	n
13C-PeCB-126	133816200	0.66 y	31:27	0.91	176.34	0.10	88.2	n
PeCB-126	178771000	0.61 y	31:28	1.17	227.74	0.17	-	n
13C-OcCB-202	177330100	0.89 y	33:44	-	6.89	-	-	n
13C-HxCB-167	117622100	1.28 y	32:34	0.84	157.63	0.19	78.8	n
HxCB-167	292172000	1.26 y	32:33	1.17	425.03	0.31	-	n
13C-HxCB-156	101316600	1.30 y	33:50	0.67	170.49	0.23	85.2	n
HxCB-156	176170600	1.27 y	33:52	1.45	239.46	0.31	-	n
13C-HxCB-157	110061500	1.28 y	34:10	0.71	175.62	0.22	87.8	n
HxCB-157	188799700	1.24 y	34:11	1.45	237.19	0.28	-	n
13C-HxCB-169	129331000	1.29 y	36:00	0.73	198.86	0.21	99.4	n
HxCB-169	148658800	1.27 y	36:00	0.99	232.40	0.38	-	n
13C-HpCB-180	100792000	1.02 y	34:48	0.58	194.45	0.12	97.2	n
HpCB-180	135550500	1.07 y	34:50	1.27	212.59	0.18	-	n
13C-HpCB-170	85916500	1.04 y	36:27	0.47	204.25	0.14	102.1	n
HpCB-170/190	149718400	1.08 y	36:28	1.61	216.95	0.17	-	n
13C-HpCB-189	121404800	1.01 y	38:04	0.60	228.77	0.11	114.4	n
HpCB-189	156243800	1.10 y	38:05	1.21	213.36	0.17	-	n
13C-DeCB-209	82542600	0.71 y	43:38	0.46	202.31	0.02	101.2	n
DECB-209	132143200	0.69 y	43:39	1.50	212.78	0.03	-	n
13C-PeCB-111		* * n	Not Fnd	1.36	*	0.12	*	n

File:01MYY099D5 #1-594 Acq: 1-MAY-2009 17:04:58 GC-EL+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:LAT8P-1-AC :G9D030340-LCS Exp:209DB5  
 289.9224 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6556,0,0.00%,F,T)  
 100% A5.85E7

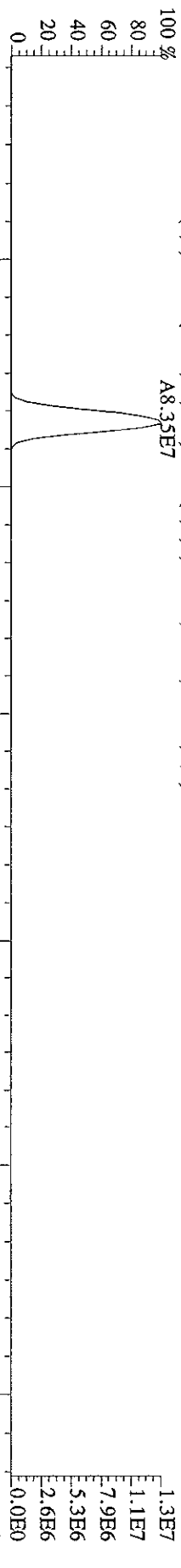




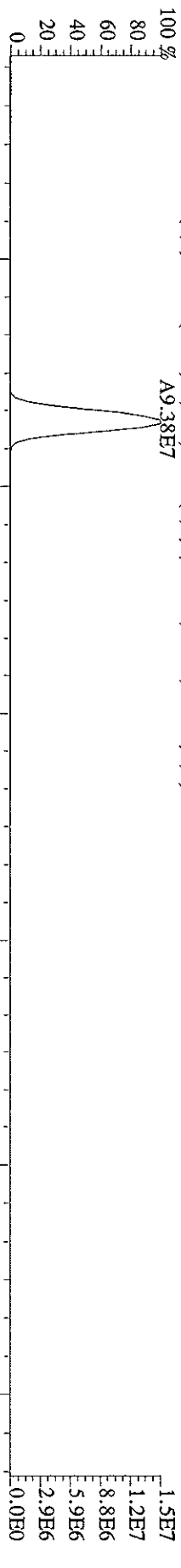
File:01MYY099D5 #1-594 Acq: 1-MAY-2009 17:04:58 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#6 Text:LAT8P-1-AC ;G9D030340-LCS Exp:209DB5  
 323.8834 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4696,0,0,00%,F,T)



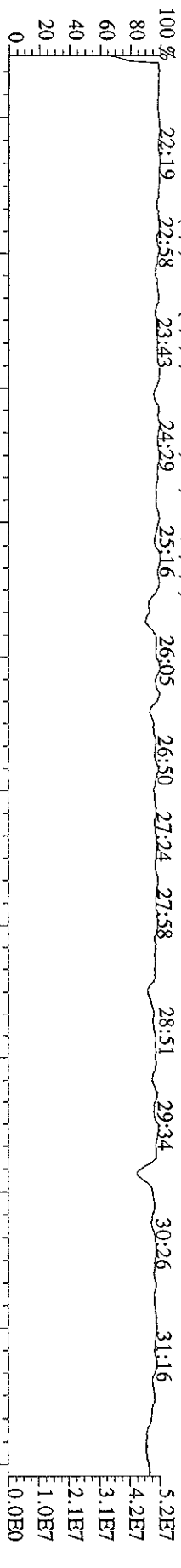
File:01MY099D5 #1-381 Acq: 1-MAY-2009 17:04:58 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text: LAT8P-1-AC :G9D030340-1LCS Exp:209DB5  
 439.8038 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,112.0,0.00%,F,T)  
 100% A8.35E7



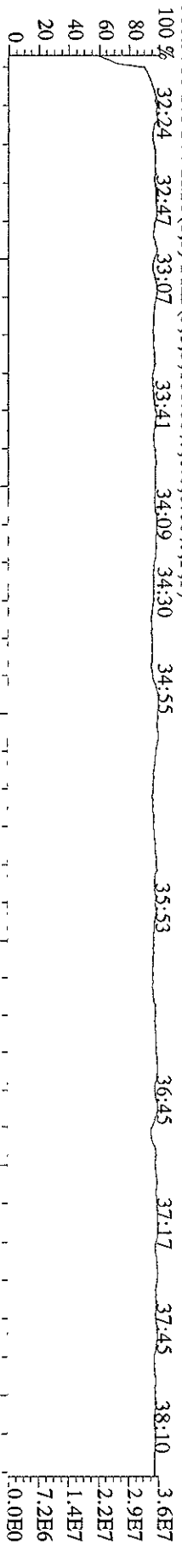
441.8008 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,684.0,0.00%,F,T)  
 100% A9.38E7



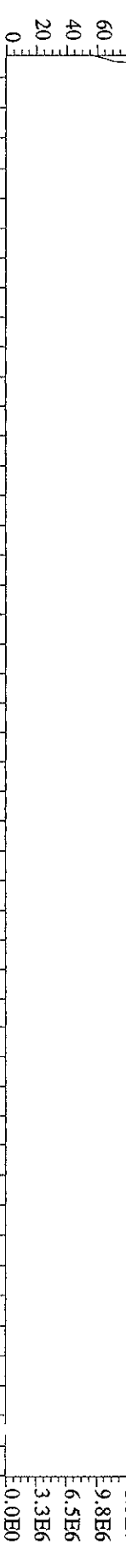
380.9760 S:6 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 22:19 22:58 23:43 24:29 25:16 26:05 26:50 27:24 27:58 28:51 29:34 30:26 31:16



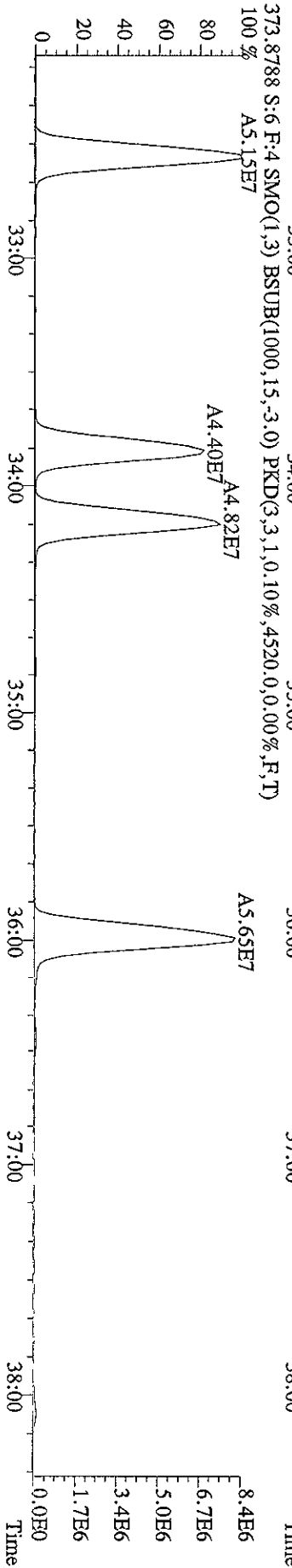
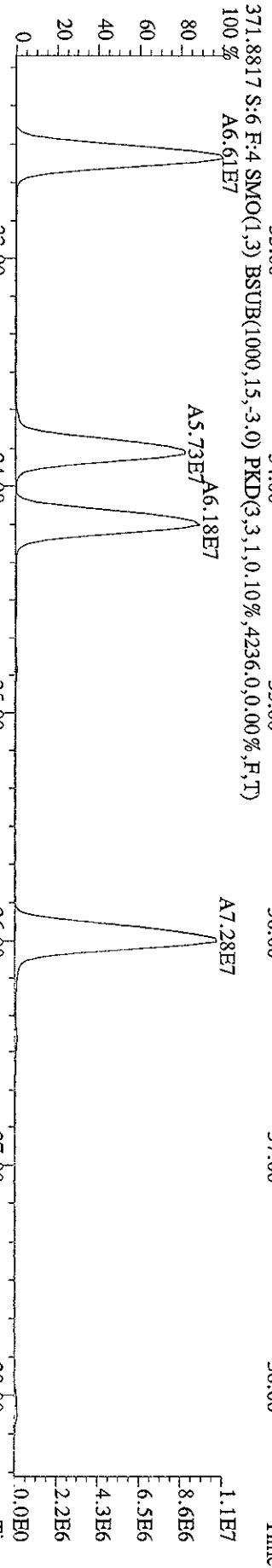
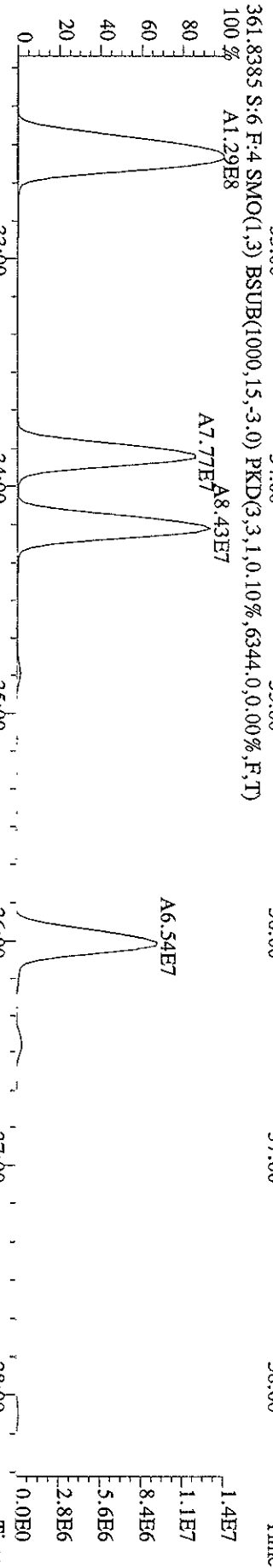
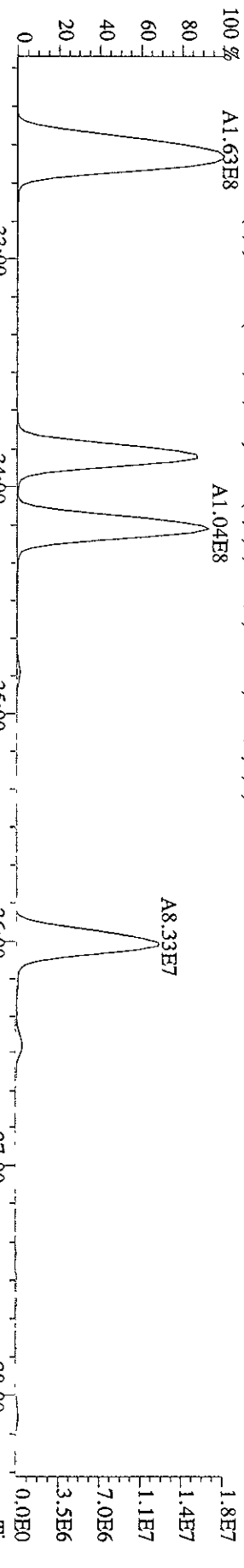
380.9760 S:6 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 32:24 32:47 33:07 33:41 34:09 34:30 34:55 35:53 36:45 37:17 37:45 38:10



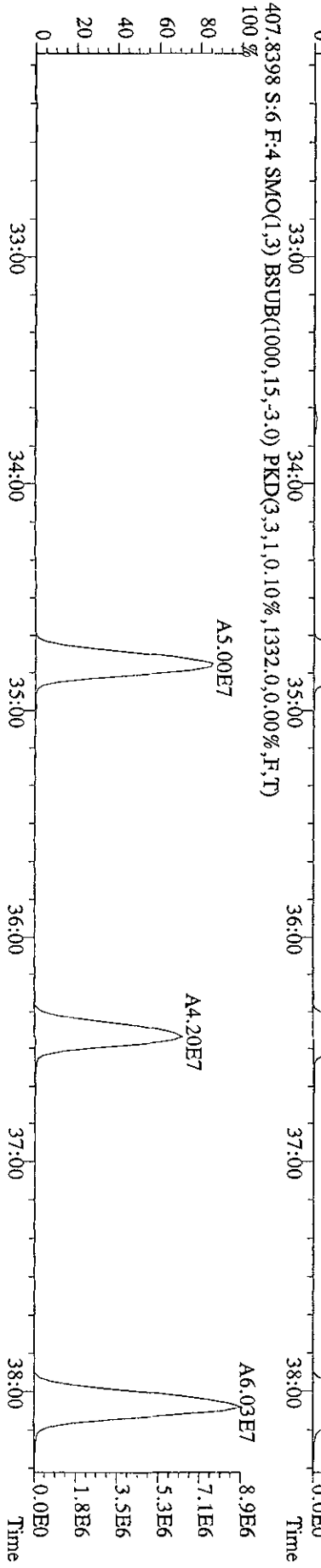
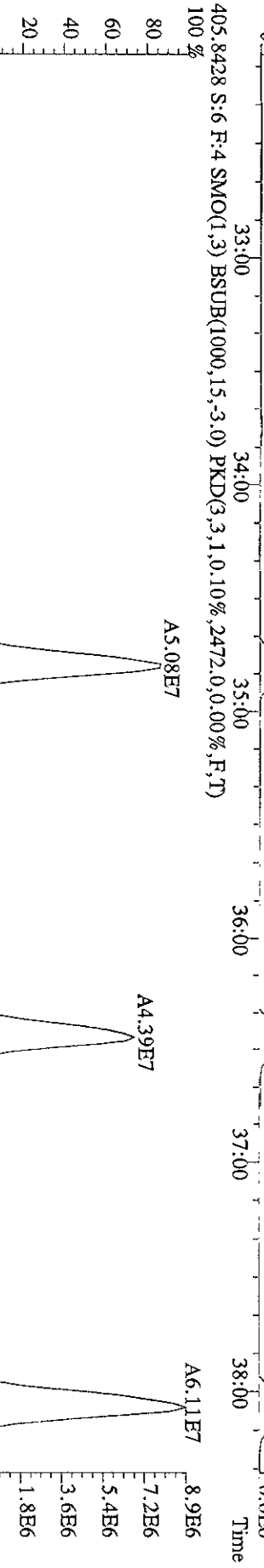
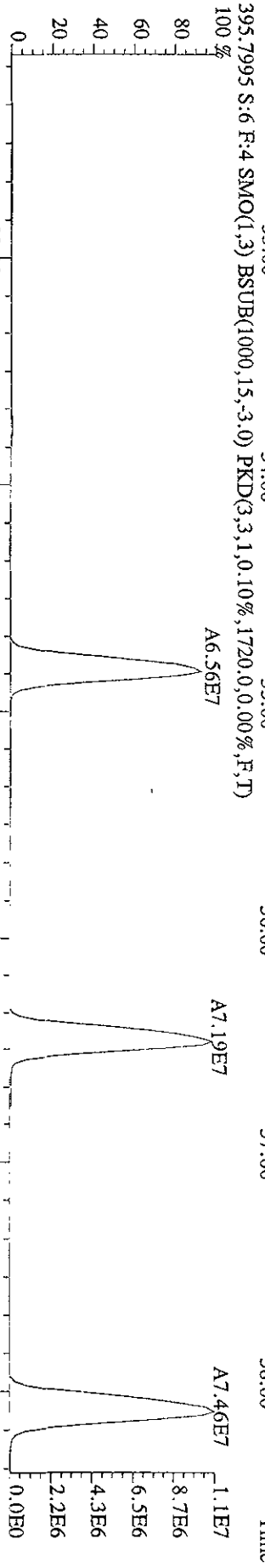
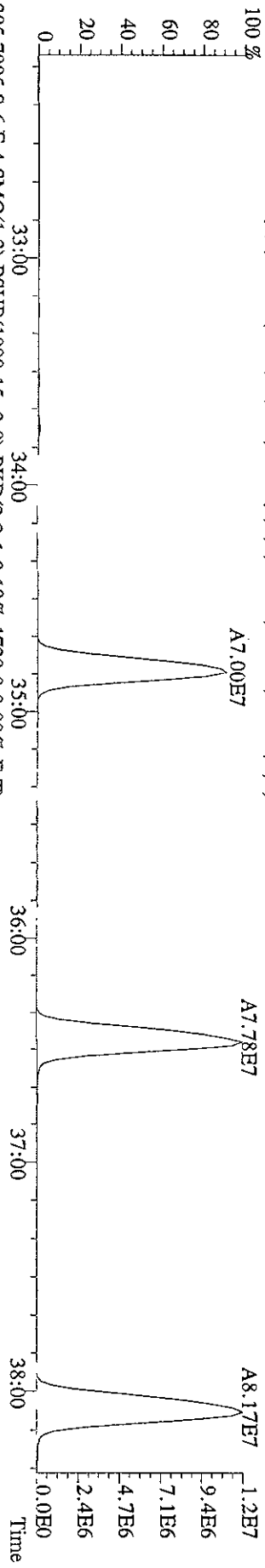
480.9696 S:6 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 39:04 39:31 40:01 40:27 40:59 41:27 42:11 42:54 43:20 43:57 44:29 44:56 45:26 45:56



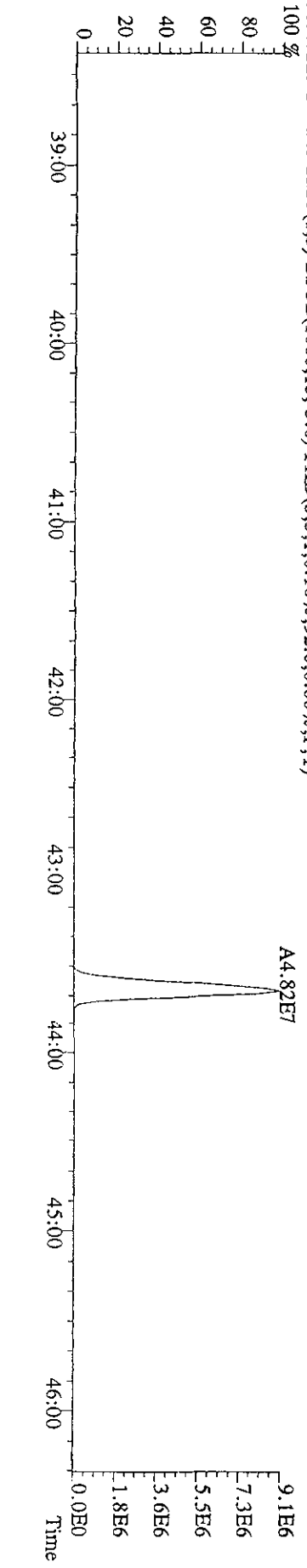
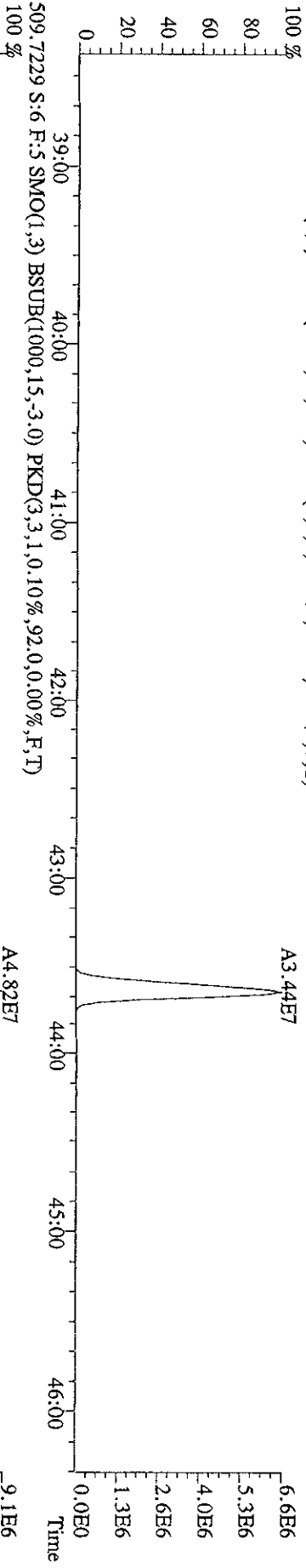
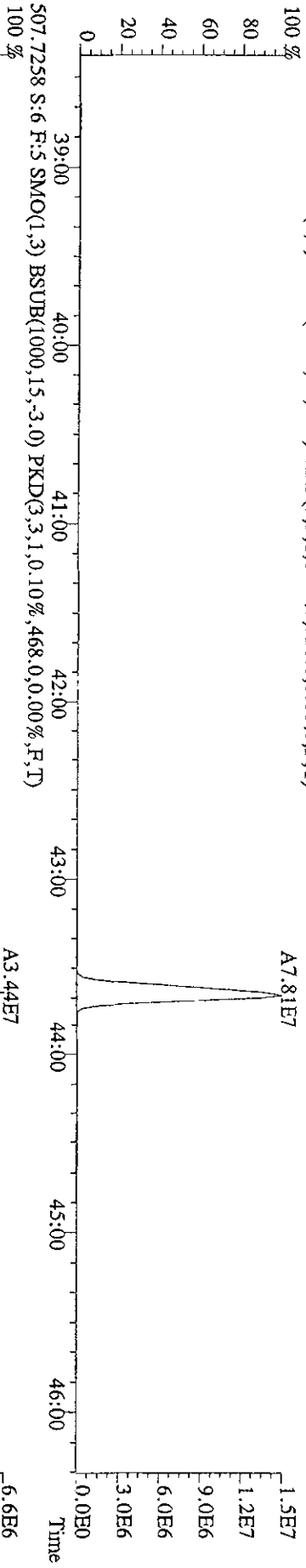
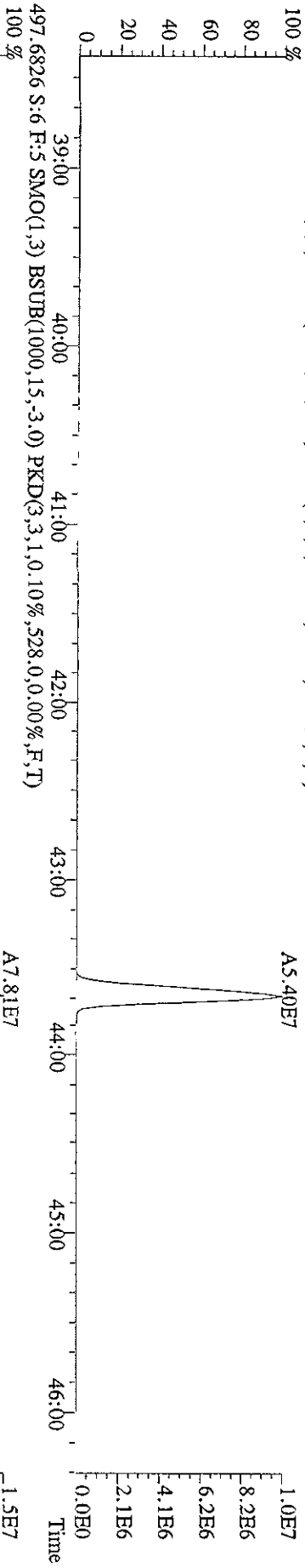
File:01MYY099D5 #1-381 Acq: 1-MAY-2009 17:04:58 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:LAT8P-1-AC :G9D030340-LCS Exp:209DB5  
 359.8415 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7580.0,0.00%,F,T)  
 100 % A1.63E8 A1.04E8



File:01MYY099D5 #1-381 Acq: 1-MAY-2009 17:04:58 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:LAT8P-1-AC :G9D030340-LCS Exp:209DB5  
 393.8025 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,.5424,0,0.00%,F,T)



File:01MXY099D5 #1-529 Acq: 1-MAY-2009 17:04:58 GC EI+ Voltage 51V Autospec-Ultimate  
 Sample#6 Text:LAI8P-1-AC :G9D030340-LCS Exp:209DB5  
 495.6856 S:6 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,772.0,0.00%,F,T)  
 100 %



Run text: K9L38-1-AC      Sample text: K9L38-1-AC :G9D040182-1 (10X)  
 Run #16 Filename: 04MY099D5    S: 18    I: 1      Results: 04MY099D51668MSLDEC  
 Acquired: 5-MAY-09    03:16:55      Processed: 5-MAY-09    09:37:37  
 Run: 04MY099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.01507g

*Handwritten:* PV-10  
M.12

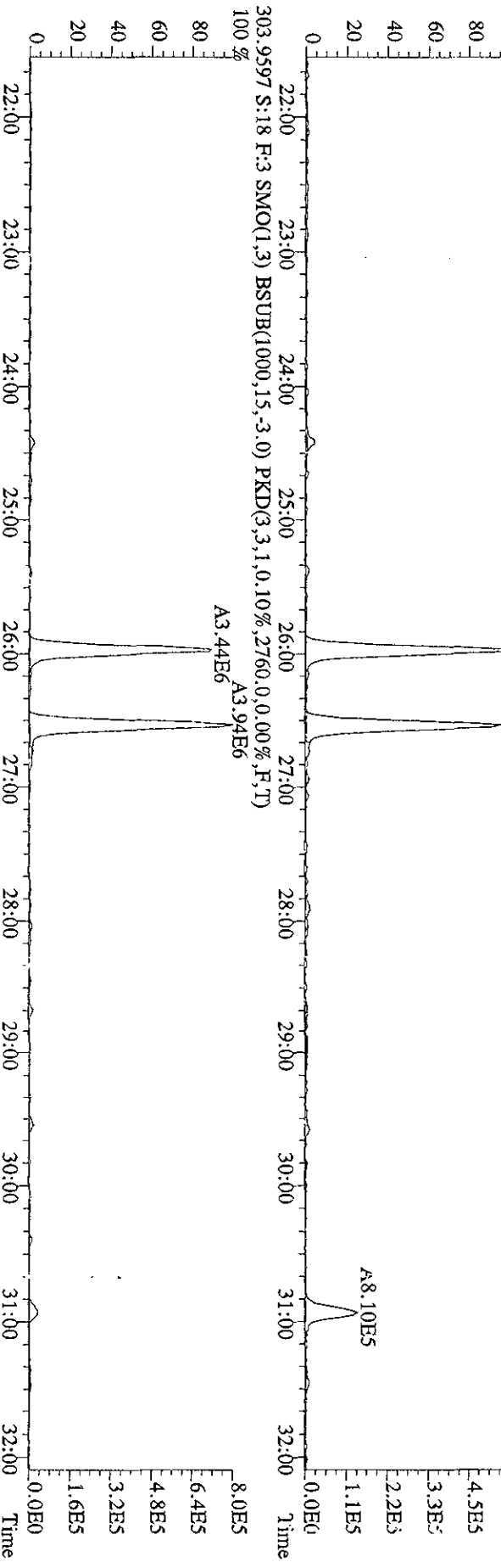
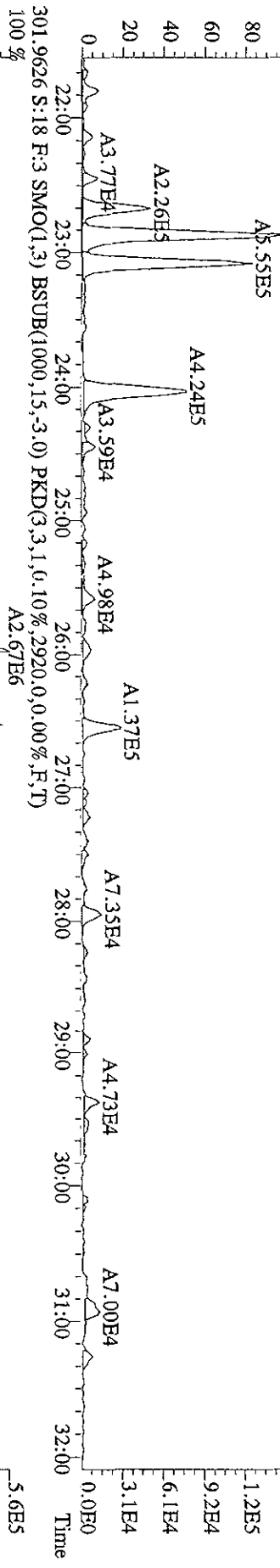
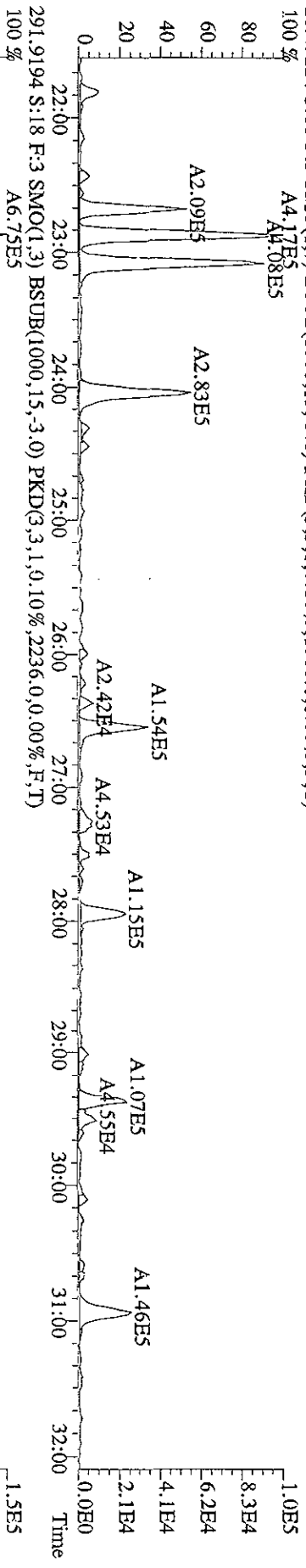
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	6577390	0.60 y	24:25	-	0.27	-	-	n
13C-TCB-81	6102829	0.78 y	25:59	0.95	195.60	2.00	97.9	n
TCB-81	*	* n	NotFnd	1.28	*	1.15	-	n
13C-TCB-77	6587163	0.67 y	26:32	0.98	203.58	1.93	101.9	n
TCB-77	243220	1.12 n	26:33	1.10	6.68	1.27	-	n
13C-PeCB-123	6703653	0.59 y	27:54	0.87	233.55	1.94	117.0	n
PeCB-123	59479	0.32 n	27:56	1.51	1.17	1.05	-	n
13C-PeCB-118	6917387	0.61 y	28:02	0.98	213.32	1.72	106.8	n
PeCB-118/106	1116203	0.51 n	28:03	1.53	21.09	0.97	-	n
13C-PeCB-114	7199219	0.61 y	28:41	0.97	226.19	1.75	113.3	n
PeCB-114	*	* n	NotFnd	1.59	*	0.92	-	n
13C-PeCB-105	6646759	0.59 y	29:33	0.90	224.92	1.88	112.6	n
PeCB-105/127	658785	0.56 y	29:35	1.42	13.92	1.19	-	n
13C-PeCB-126	7472611	0.59 y	31:27	0.91	248.91	1.86	124.6	n
PeCB-126	*	* n	NotFnd	1.17	*	1.30	-	n
13C-OcCB-202	7728507	0.85 y	33:44	-	0.30	-	-	n
13C-HxCB-167	9072004	1.29 y	32:34	0.84	278.55	1.68	139.5	n
HxCB-167	401147	1.22 y	32:31	1.17	7.55	0.49	-	n
13C-HxCB-156	7447430	1.35 y	33:52	0.67	287.13	2.11	143.8	n
HxCB-156	163558	1.60 n	33:53	1.45	3.02	0.51	-	n
13C-HxCB-157	7723525	1.32 y	34:10	0.71	282.35	2.00	141.4	n
HxCB-157	78912	1.19 y	34:12	1.45	1.41	0.47	-	n
13C-HxCB-169	8955720	1.38 y	36:02	0.77	315.49	1.93	158.0	n
HxCB-169	5525	6.57 n	36:04	0.99	0.12	0.64	-	n
13C-HpCB-180	6013925	1.04 y	34:49	0.58	265.81	1.71	133.1	n
HpCB-180	1048099	1.08 y	34:51	1.27	27.51	4.44	-	n
13C-HpCB-170	5043539	1.10 y	36:28	0.47	274.70	2.10	137.6	n
HpCB-170/190	218813	0.51 n	36:29	1.61	5.39	4.28	-	n
13C-HpCB-189	6796570	1.05 y	38:06	0.60	293.42	1.67	146.9	n
HpCB-189	*	* n	NotFnd	1.21	*	4.17	-	n
13C-DeCB-209	2700501	0.76 y	43:27	0.46	151.64	0.80	75.9	n
DeCB-209	*	* n	NotFnd	1.50	*	1.94	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	1.39	*	n

*Handwritten:* CAL  
↓

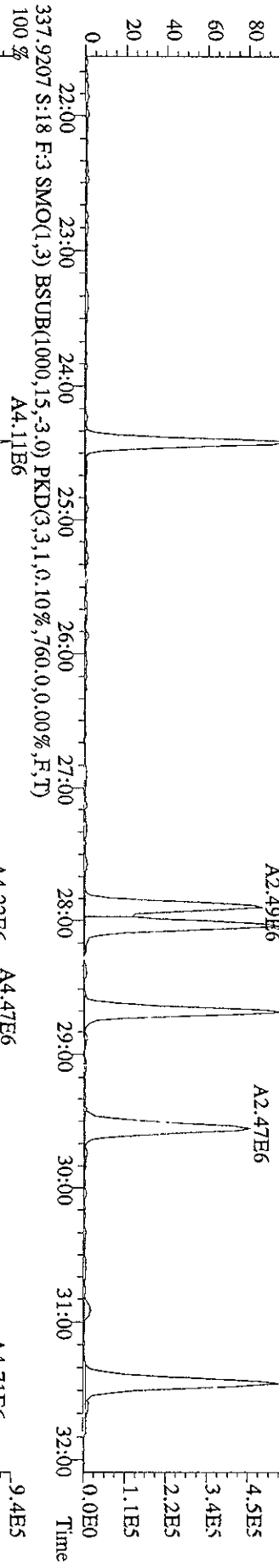
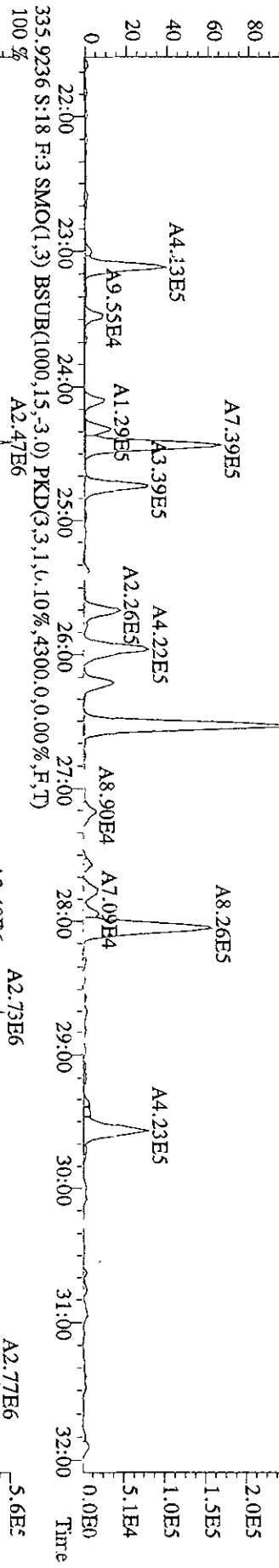
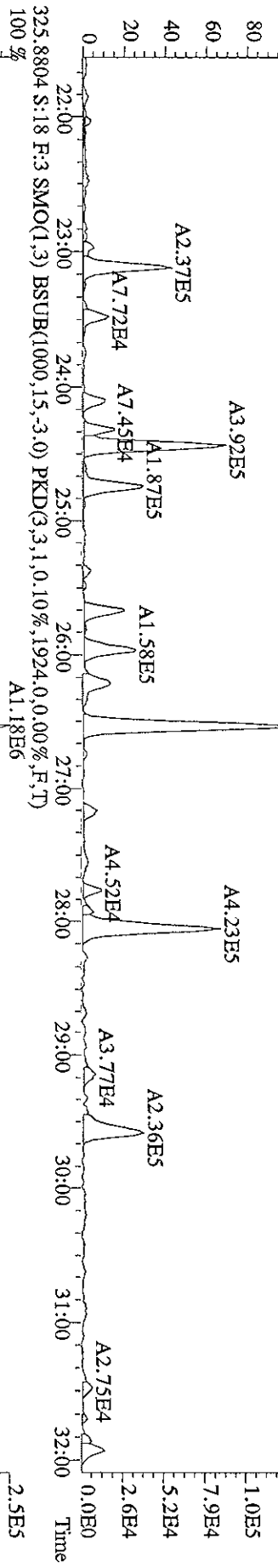
*Handwritten:* MN  
↓

*Handwritten:* Sh 5/6/09

File:04MY099D5 #1-594 Acq: 5-MAY-2009 03:16:55 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text:K9L38-1-AC :G9D040182-1 (10X) Exp:209DB5  
 289.9224 S:18 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1508,0,0,00%,F,T)

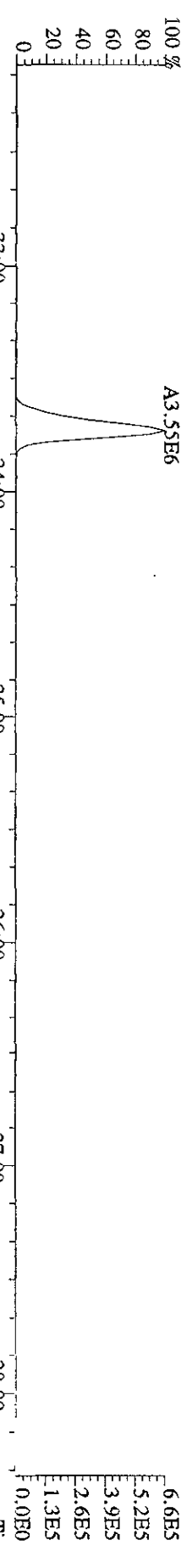


File:04MY099D5 #1-594 Acq: 5-MAY-2009 03:16:55 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text:K9L38-1-AC :G9D040182-1 (10X) Exp:209DB5  
 323.8834 S:18 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2232,0,0,00%,F,T)  
 A6.17E5

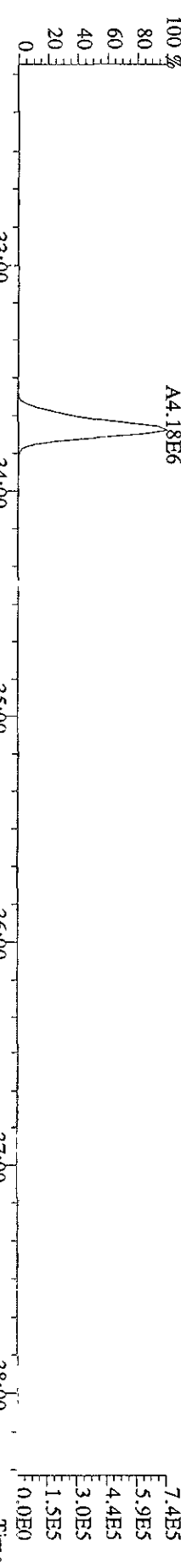




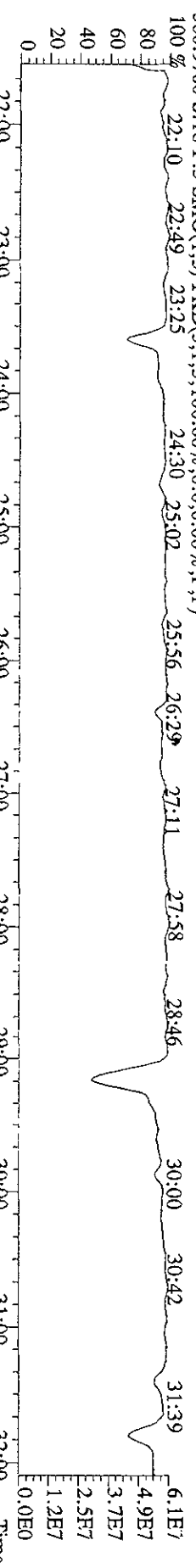
File:04MAY099D5 #1-381 Acq: 5-MAY-2009 03:16:55 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text:K9L38-1-AC :G9D040182-1 (10X) Exp:099DB5  
 439.8038 S:18 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,1.16,0.00%,F,T)



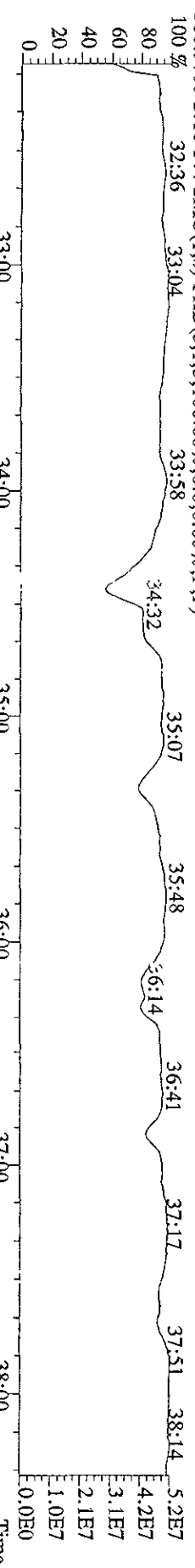
441.8008 S:18 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,444,0.00%,F,T)  
 A4.18E6



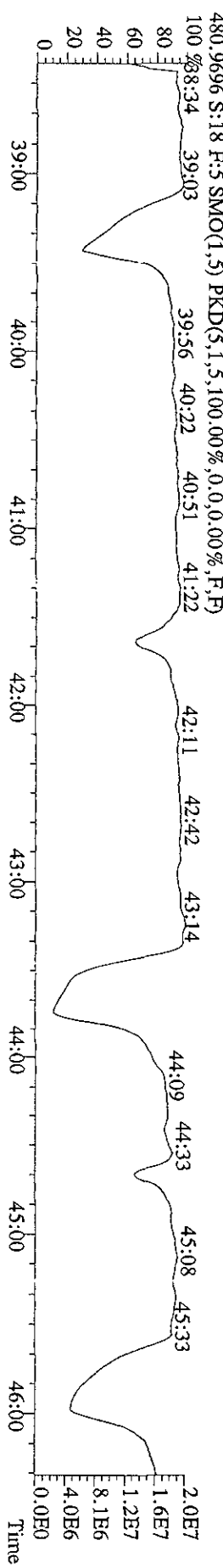
380.9760 S:18 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,P)



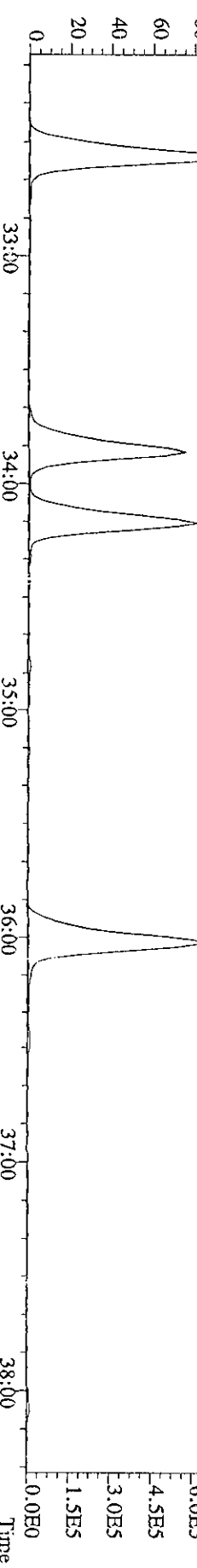
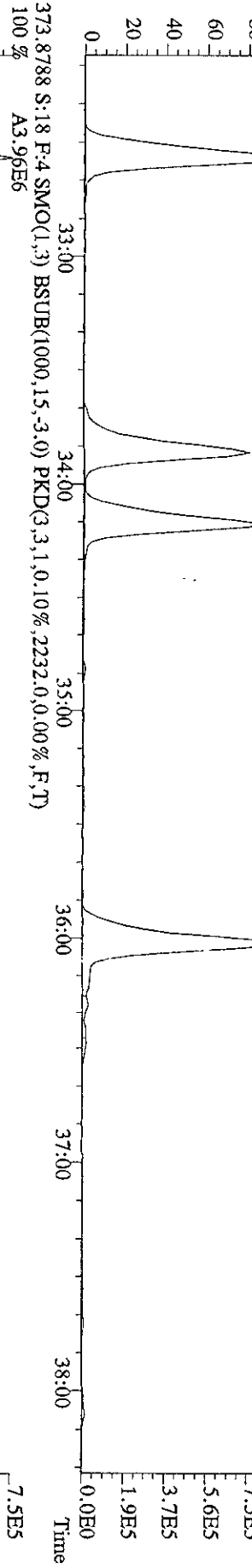
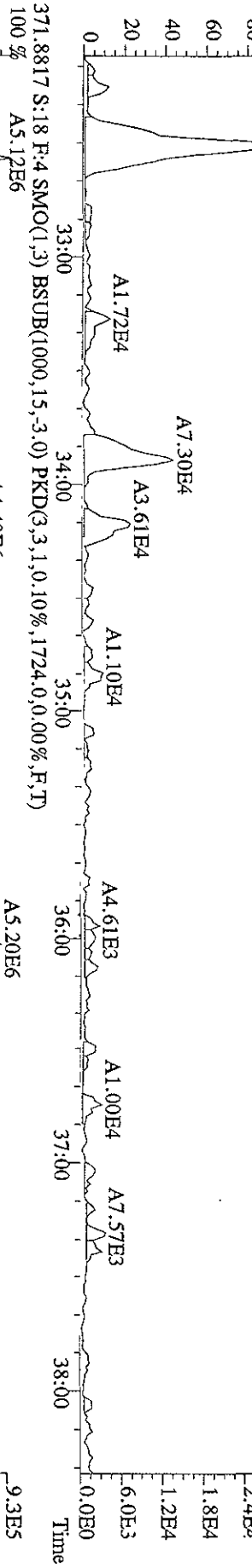
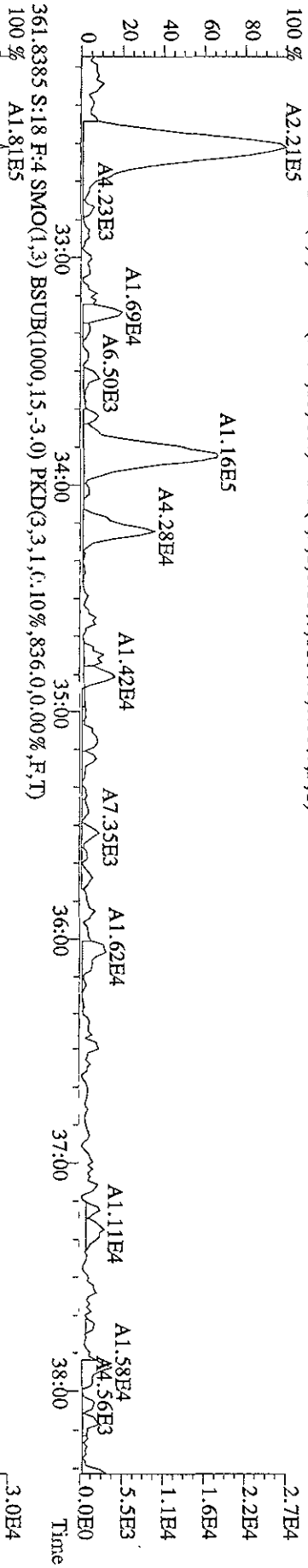
380.9760 S:18 F:4 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,P)



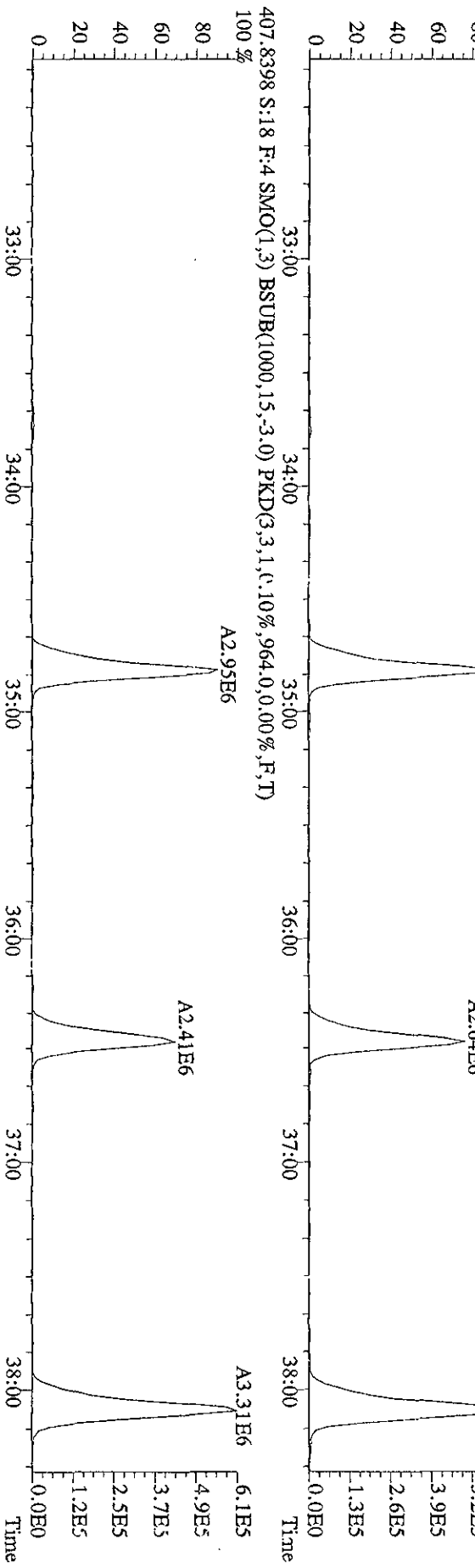
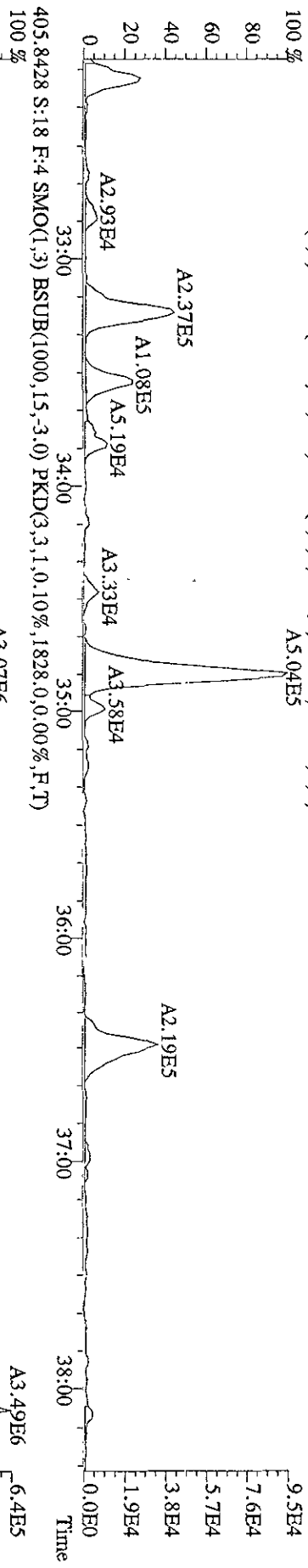
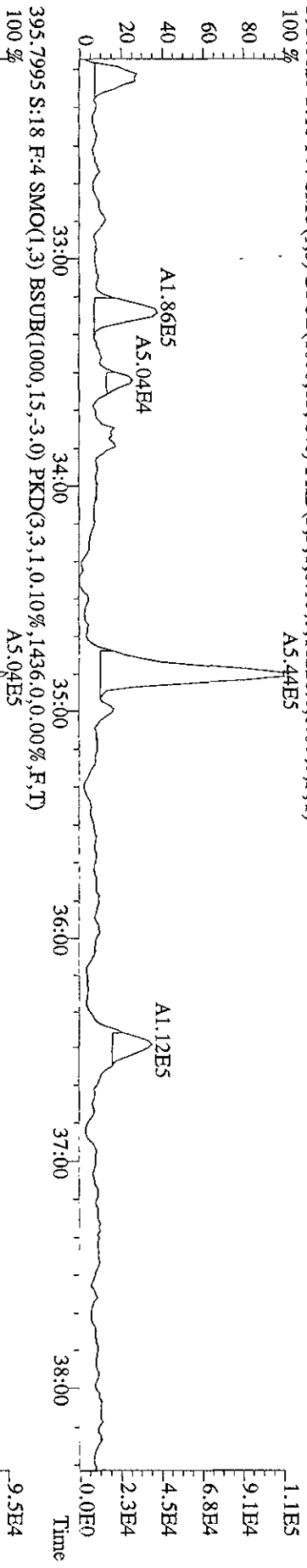
480.9696 S:18 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,P)



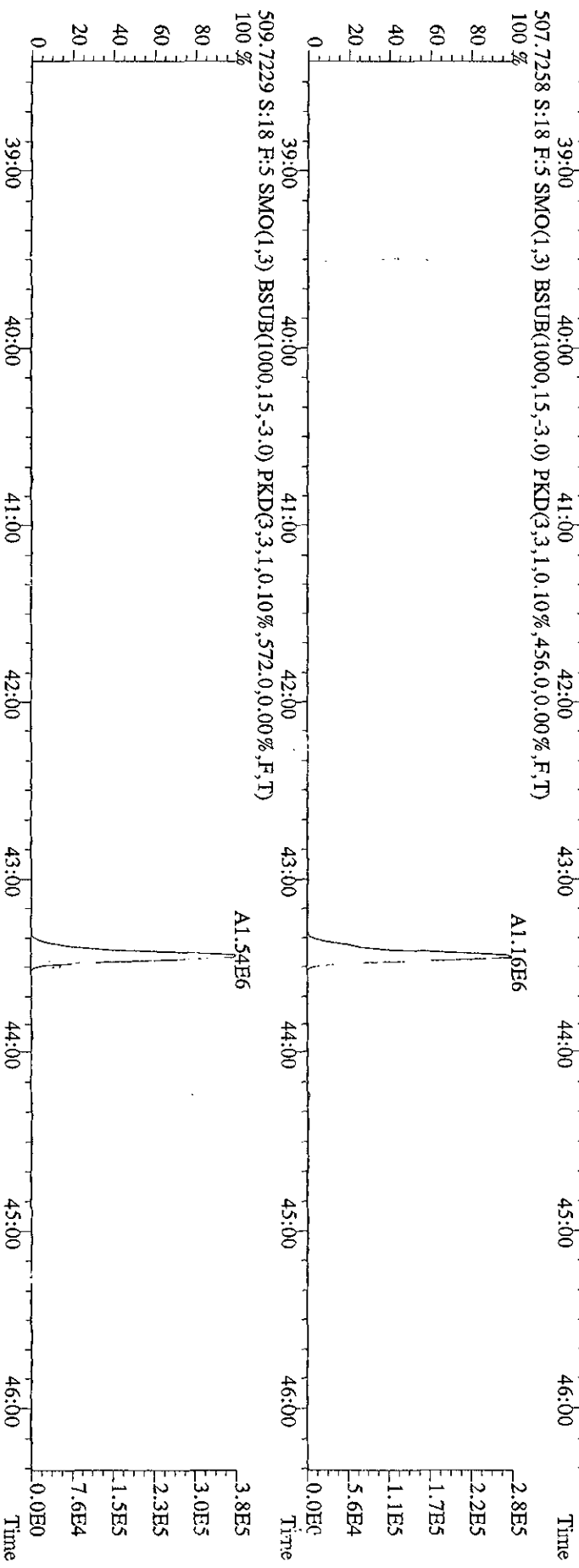
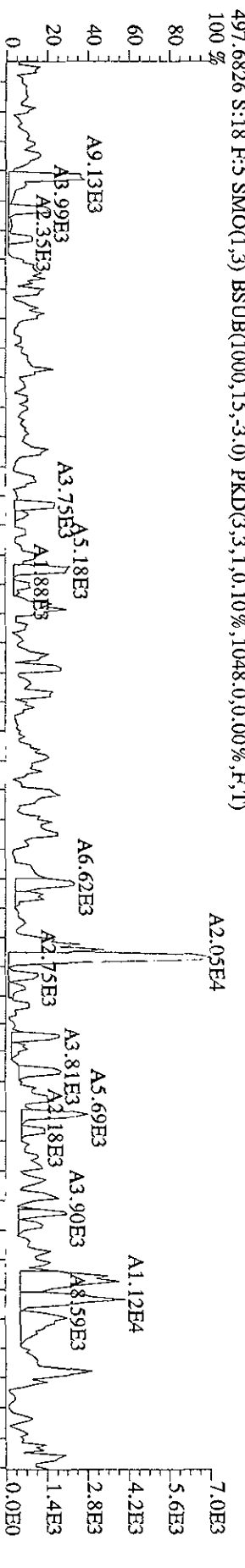
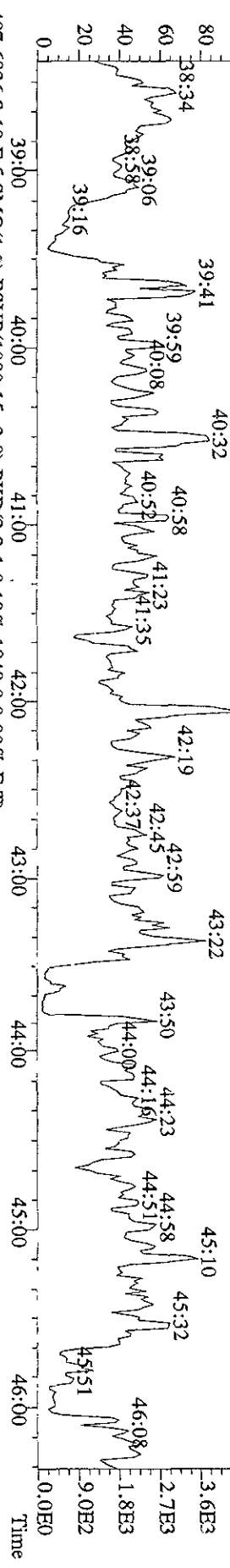
File:04MY099D5 #1-381 Acq: 5-MAY-2009 03:16:55 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#18 Text:K91.38-1-AC :G9D040182-1 (10X) Exp:209DB5  
 359.8415 S:18 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1104,0,0,00%,F,T)  
 100 % A2.21E5



File:04MAY099D5 #1-381 Acq: 5-MAY-2009 03:16:55 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#18 Text:K9L38-1-AC :G9D040182-1 (10X) Exp:209DB5  
 393.8025 S:18 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,11228,0,0,00%,F,T) A5.44E5



File:04MAY099D5 #1-529 Acq: 5-MAY-2009 03:16:55 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#18 Text:K9L38-1-AC :G9D040182-1 (10X) Exp:209DB5  
 495.6856 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2784,0,0.00%,F,T)



Run text: K9L39-1-AC      Sample text: K9L39-1-AC :G9D040182-2 (10X)  
 Run #17 Filename: 04MY099D5    S: 19    I: 1      Results: 04MY099D51668MSLDEC  
 Acquired: 5-MAY-09    04:08:15      Processed: 5-MAY-09    09:37:47  
 Run: 04MY099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.25007g

*FW=50  
RL=20*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	6736776	0.64 y	24:25	-	0.27	-	-	n
13C-TCB-81	5192601	0.63 <b>(n)</b>	25:59	0.95	158.77	1.88	81.4	n
TCB-81	*	* n	NotFnd	1.28	*	1.51	-	n
13C-TCB-77	6496635	0.72 y	26:33	0.98	191.54	1.81	98.2	n
TCB-77	348171	0.78 y	26:33	1.10	9.48	1.44	-	n
13C-PeCB-123	6944495	0.58 y	27:54	0.87	230.80	2.25	118.3	n
PeCB-123	*	* n	NotFnd	1.51	*	0.90	-	n
13C-PeCB-118	6733088	0.59 y	28:02	0.98	198.08	2.00	101.5	n
PeCB-118/106	1751982	0.54 y	28:03	1.53	33.23	0.92	-	n
13C-PeCB-114	6321642	0.57 y	28:42	0.97	189.48	2.03	97.1	n
PeCB-114	42510	0.29 n	28:42	1.59	0.83	0.89	-	n
13C-PeCB-105	6639948	0.56 y	29:33	0.90	214.34	2.19	109.9	n
PeCB-105/127	830243	0.46 n	29:34	1.42	17.15	1.04	-	n
13C-PeCB-126	7441396	0.58 y	31:27	0.91	236.45	2.15	121.2	n
PeCB-126	*	* n	NotFnd	1.17	*	1.25	-	n
13C-OcCB-202	7342857	0.78 y	33:44	-	0.28	-	-	n
13C-HxCB-167	9279160	1.30 y	32:34	0.84	293.00	1.83	150.2	n
HxCB-167	527181	1.19 y	32:31	1.17	9.48	0.51	-	n
13C-HxCB-156	7373154	1.33 y	33:52	0.67	292.33	2.29	149.8	n
HxCB-156	197715	1.21 y	33:54	1.45	3.60	0.55	-	n
13C-HxCB-157	7864795	1.40 y	34:10	0.71	295.67	2.18	151.5	n
HxCB-157	77482	1.16 y	34:12	1.45	1.33	0.48	-	n
13C-HxCB-169	8715561	1.31 y	35:01	0.73	315.75	2.10	161.6	n
HxCB-169	13139	1.86 n	36:01	0.99	0.30	0.70	-	n
13C-HpCB-180	6043965	1.01 y	34:50	0.58	274.72	1.39	140.8	n
HpCB-180	1311759	1.11 y	34:51	1.27	33.47	4.31	-	n
13C-HpCB-170	5092788	1.13 y	36:29	0.47	285.26	1.71	146.2	n
HpCB-170/190	386825	0.76 n	36:30	1.61	9.23	4.02	-	n
13C-HpCB-189	7030949	1.09 y	38:05	0.60	312.16	1.36	160.0	n
HpCB-189	*	* n	NotFnd	1.21	*	3.74	-	n
13C-DeCB-209	2822400	0.72 y	43:27	0.46	162.99	0.67	83.5	n
DECB-209	*	* n	NotFnd	1.50	*	1.99	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	1.65	*	n

*LCM*

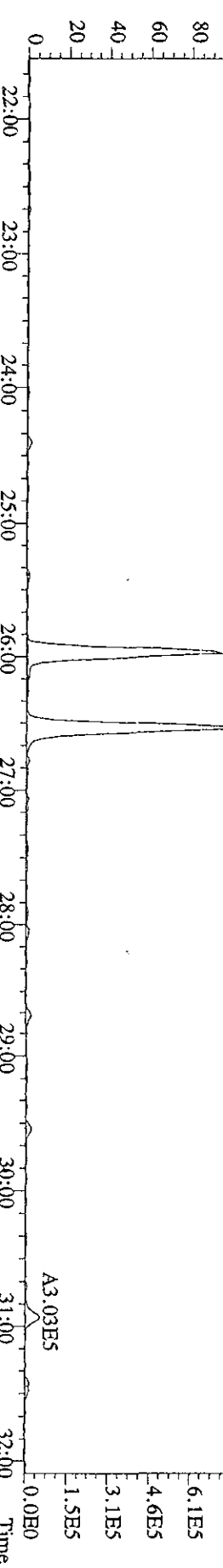
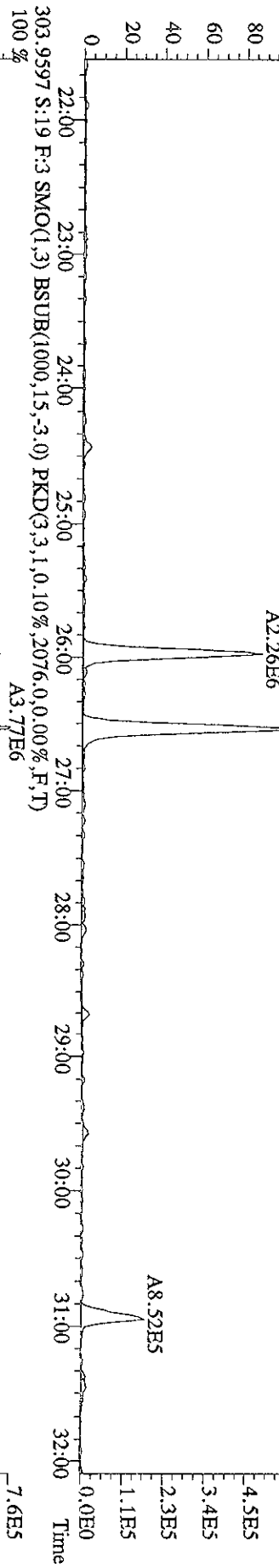
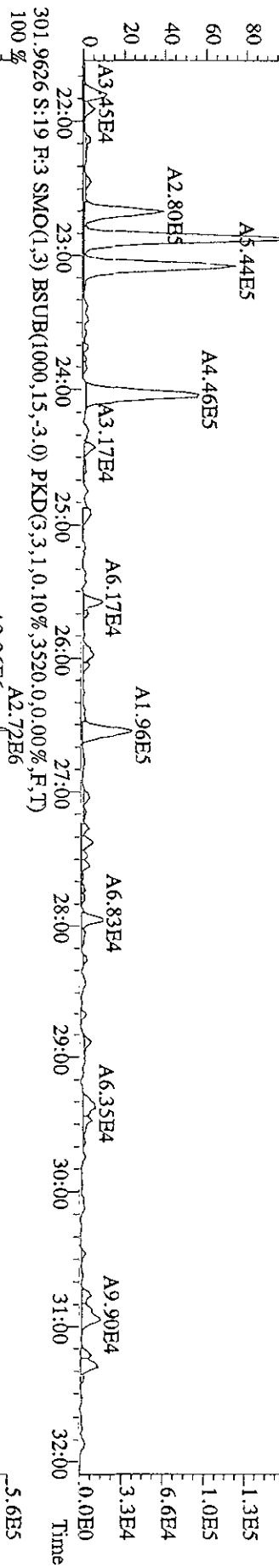
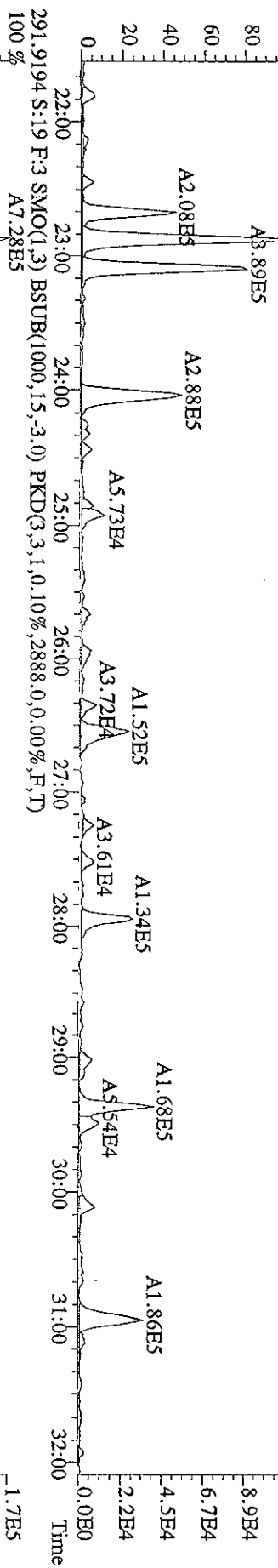


*NA*

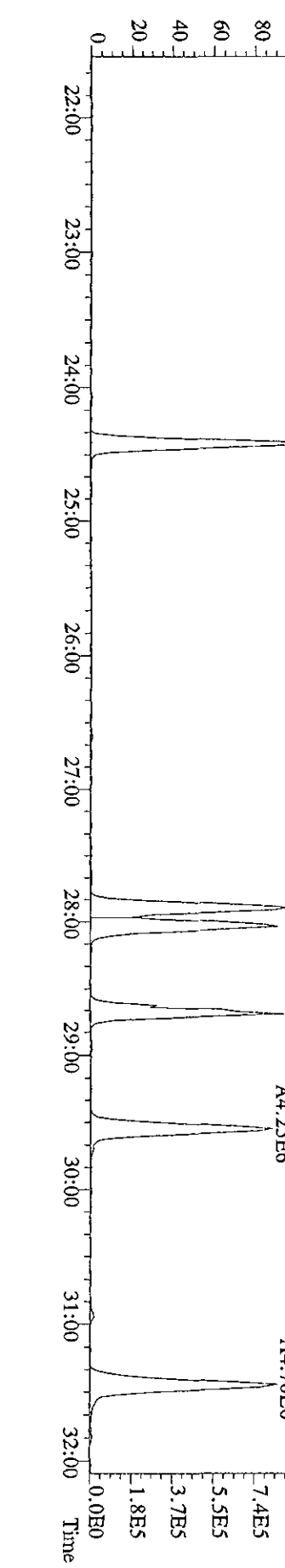
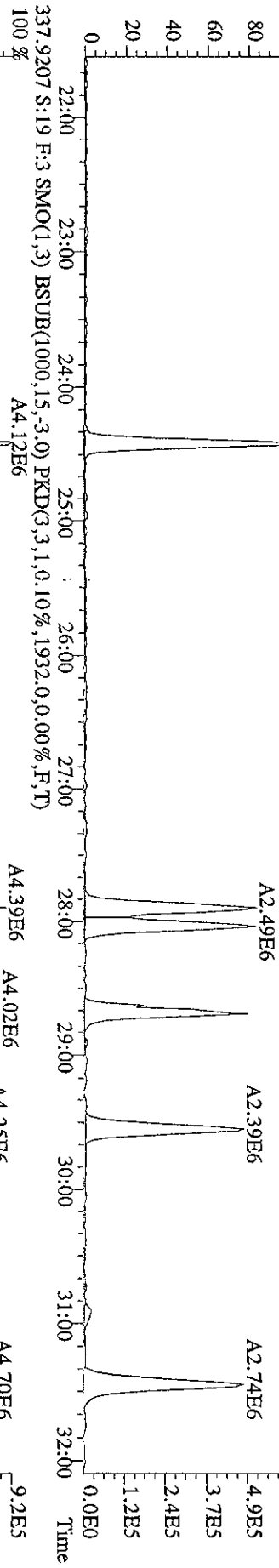
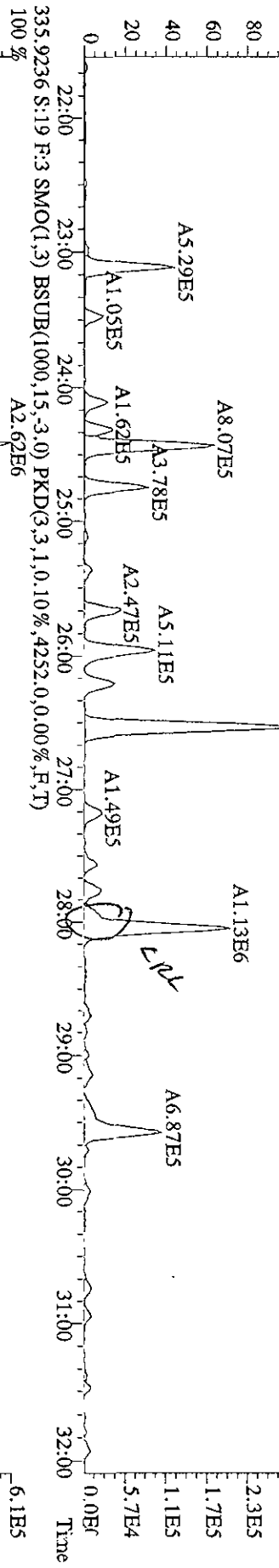
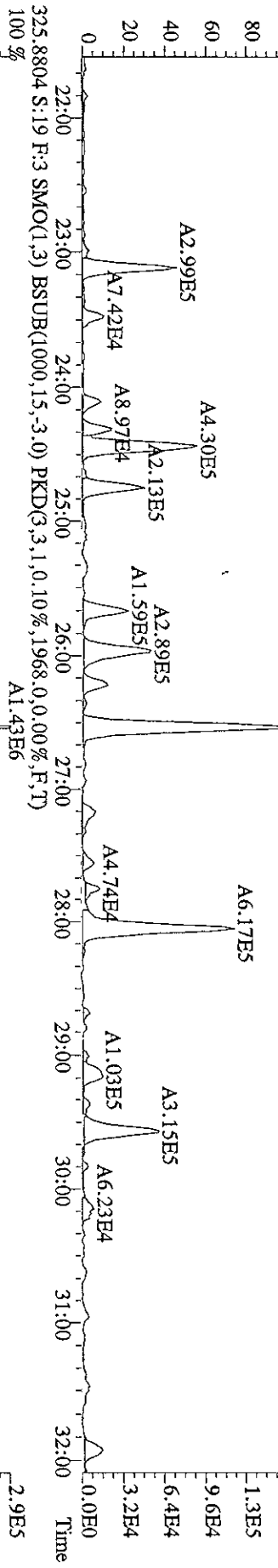


*Sh 9/6/09*

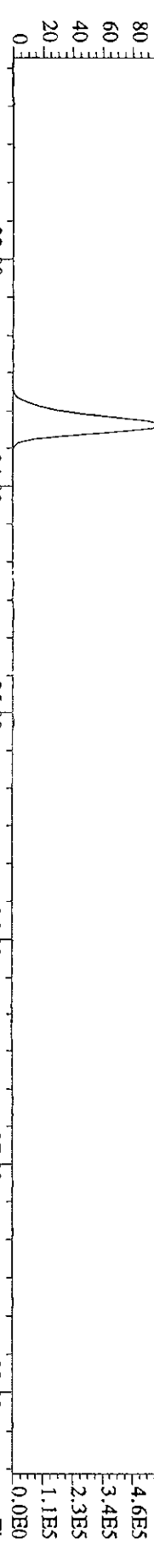
File:04MAY099D5 #1-594 Acq: 5-MAY-2009 04:08:15 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#19 Text:K9L39-1-AC :G9D040182-2 (10X) Exp:209DB5  
 289.9224 S:19 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3.1,0.10%,1436.0,0.00%,F,T)  
 100 % A5.00E5



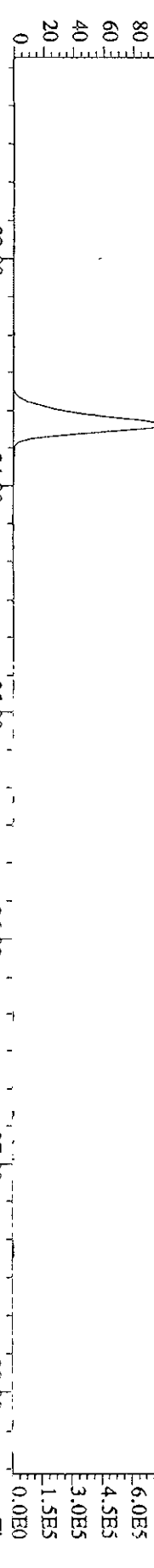
File:04MAY09D5 #1-594 Acq: 5-MAY-2009 04:08:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#19 Text:K9L39-1-AC :G9D040182-2 (10X) Exp:209DB5  
 323.8834 S:19 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1940,0.0,0.00%,F,T)  
 100%



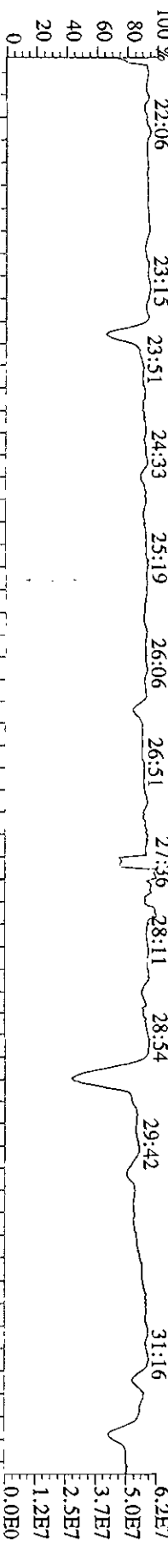
File:04MY099D5 #1-381 Acq: 5-MAY-2009 04:08:15 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#19 Text:K9L39-1-AC :G9D040182-2 (10X) Exp:209DB5  
 439.8038 S:19 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,128.0,0.00%,F,T)  
 100% A3.21E6



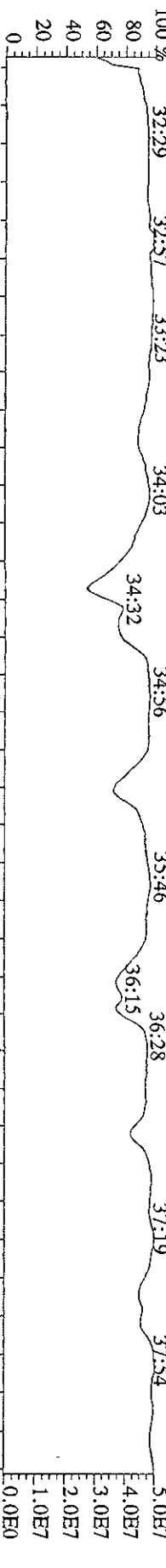
441.8008 S:19 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,84.0,0.00%,F,T)  
 100% A4.13E6



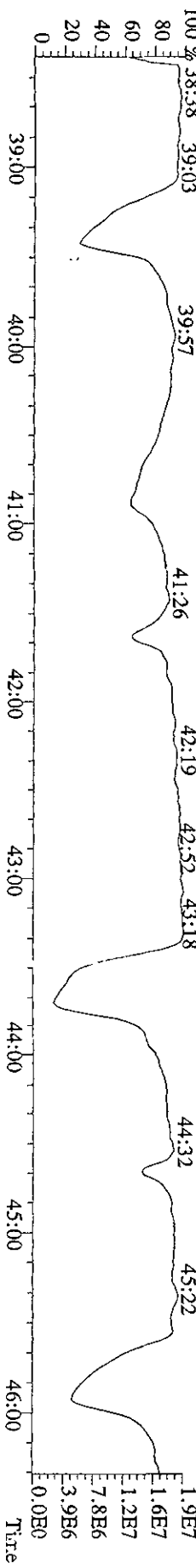
380.9760 S:19 F:3 SMO(1.5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 22:06 23:15 23:51 24:33 25:19 26:06 26:51 27:36 28:11 28:54 29:42 31:16



380.9760 S:19 F:4 SMO(1.5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 32:29 32:57 33:23 34:03 34:32 34:56 35:46 36:15 36:28 37:19 37:54

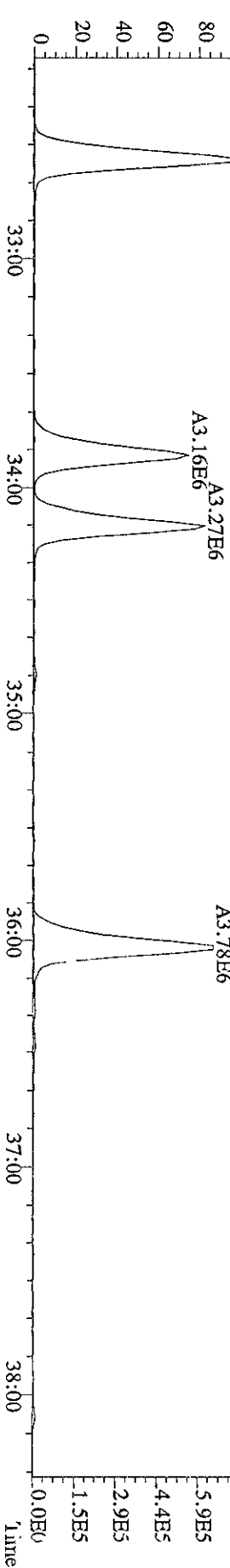
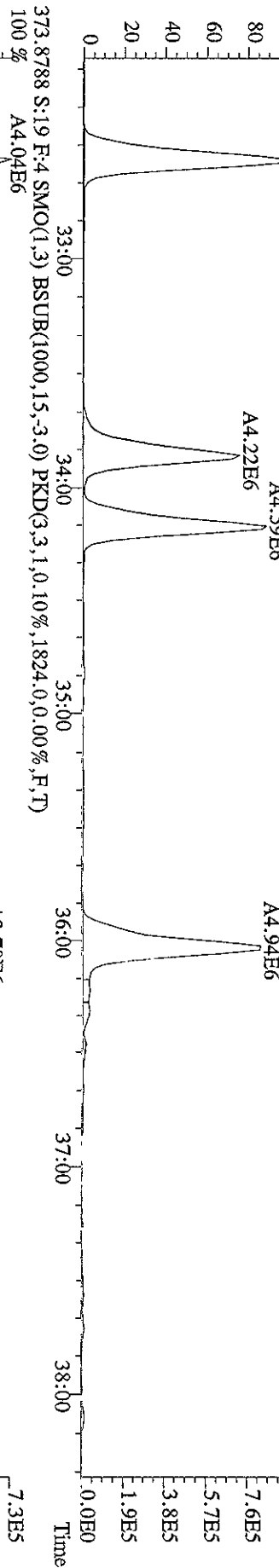
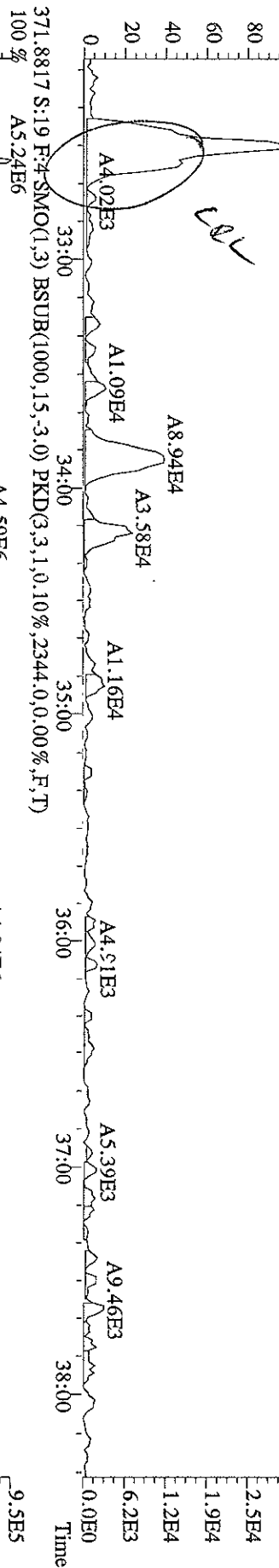
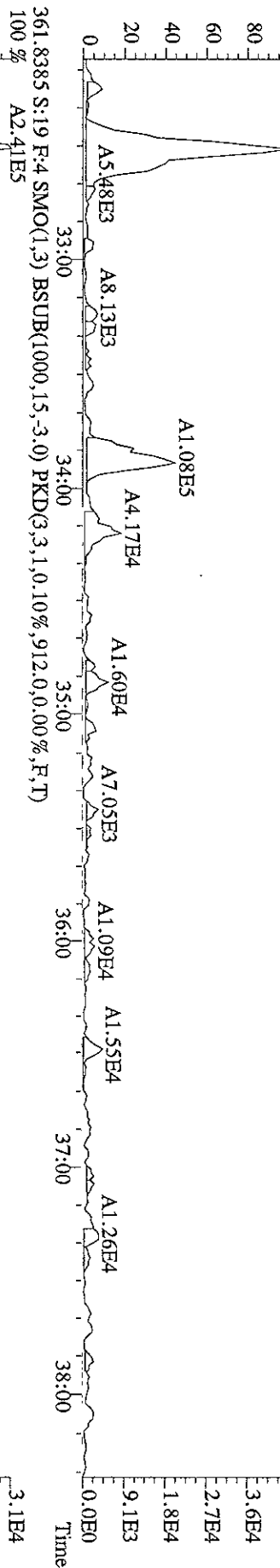


480.9696 S:19 F:5 SMO(1.5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 100% 38:38 39:03 39:57 41:26 42:19 42:52 43:18 44:32 45:22

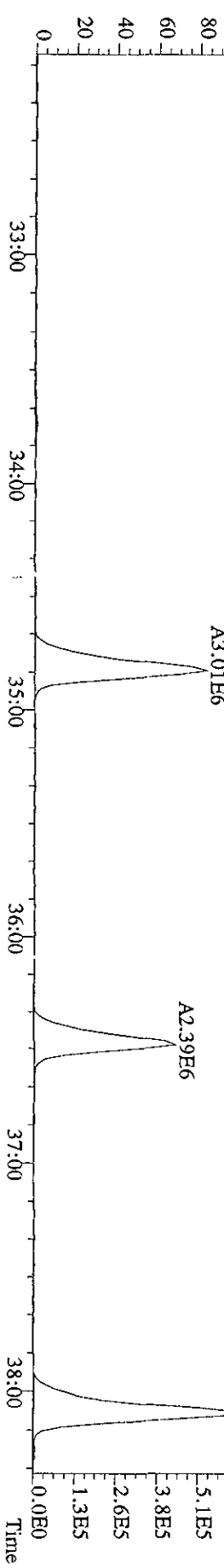
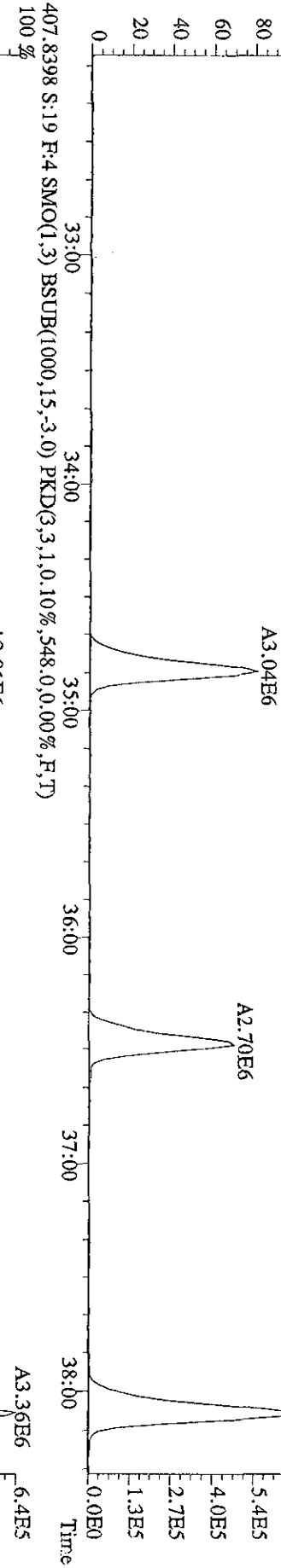
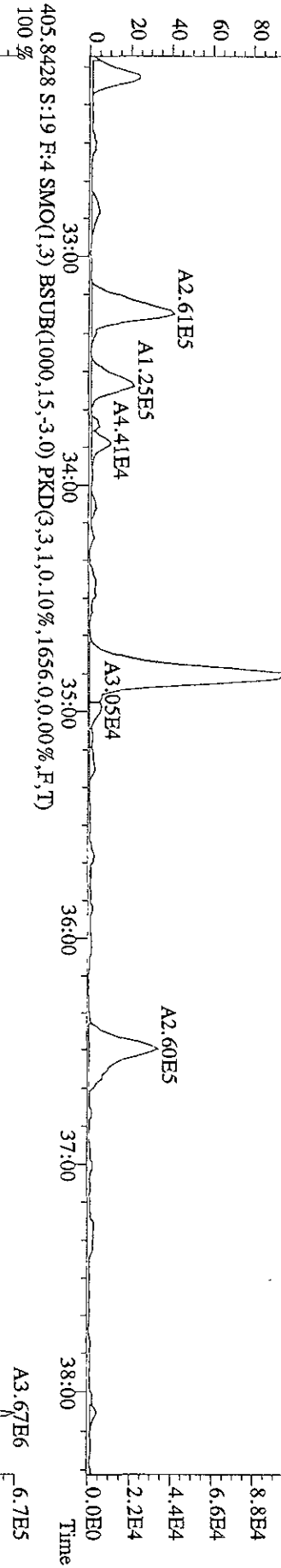
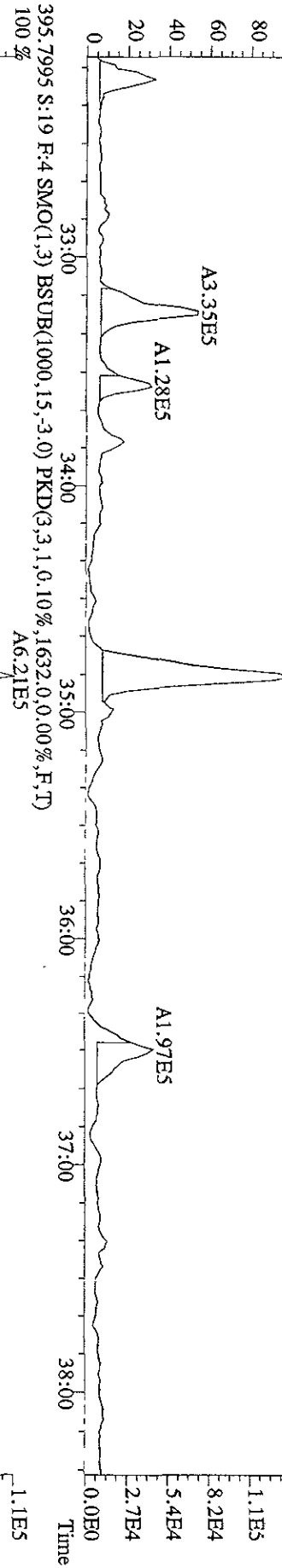




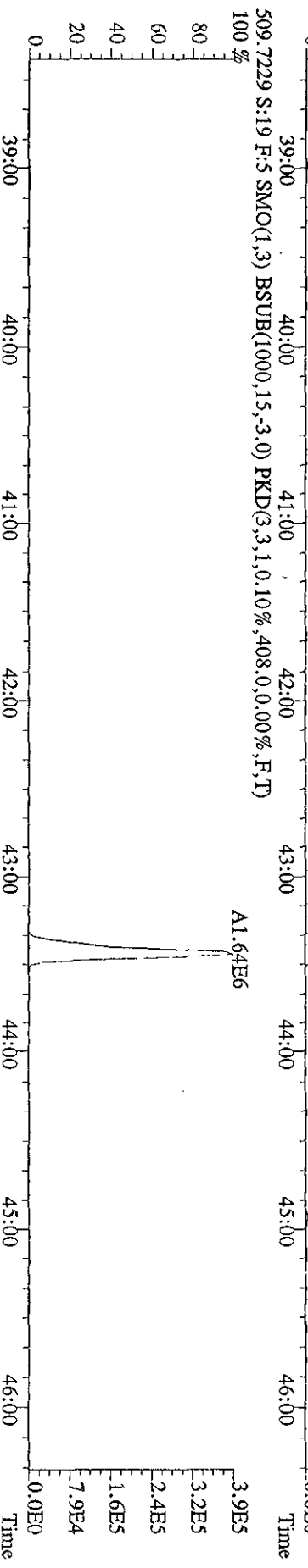
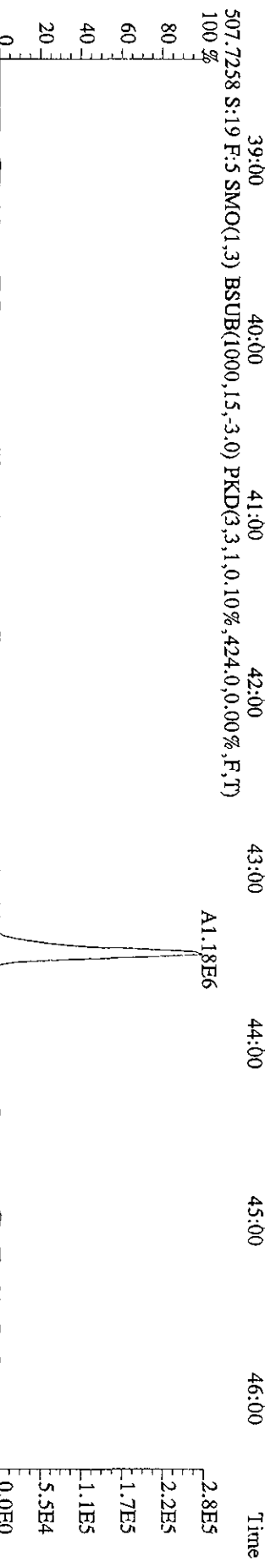
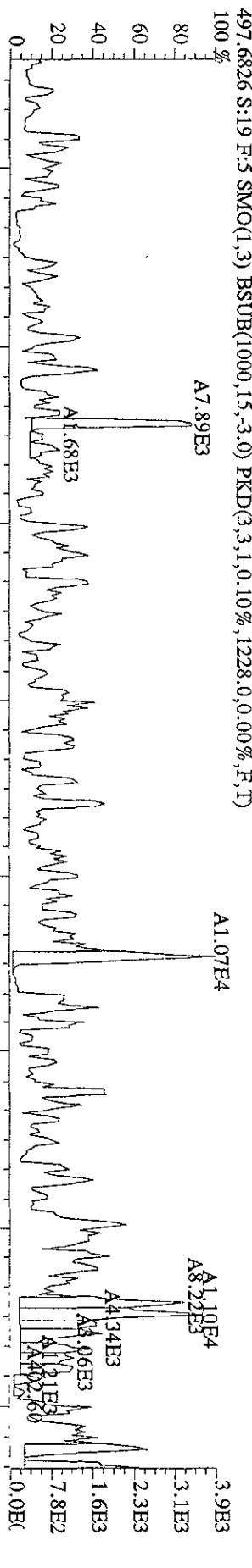
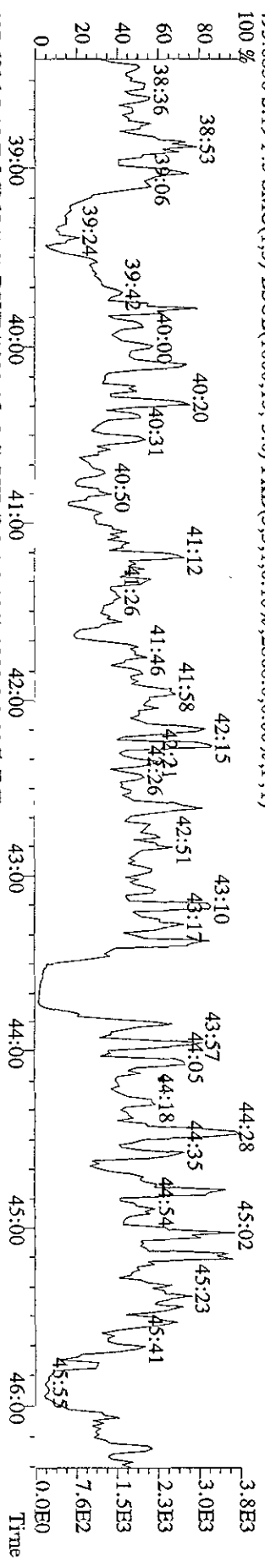
File:04MY099D5 #1-381 Acq: 5-MAY-2009 04:08:15 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#19 Tex:K9I39-1-AC :G9D040182-2 (10X) Exp:209DB5  
 359.8415 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1156,0,0,00%,F,T)  
 100% A2.87E5



File:04MY099D5 #1-381 Acq: 5-MAY-2009 04:08:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#19 Text:K9L39-1-AC :G9D040182-2 (10X) Exp:209DB5  
 393,8025 S:19 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10468,0,0,00%,F,T)



File:04MY099D5 #1-529 Acq: 5-MAY-2009 04:08:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#19 Text:K9L39-1-AC :G9D040182-2 (10X) Exp:209DB5  
 495.6856 S:19 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2868,0,0.00%,F,T)



Run text: K9L4A-1-AC Sample text: K9L4A-1-AC :G9D040182-3 (10X)  
 Run #18 Filename: 04MY099D5 S: 20 I: 1 Results: 04my099d51668msldec7  
 Acquired: 5-MAY-09 04:59:38 Processed: 5-MAY-09 09:37:58  
 Run: 04MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.07 g

*FW = 50  
RL = 30*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	5372740	0.62 y	24:25	-	0.22	-	-	n
13C-TCB-81	4400970	0.73 y	25:58	0.95	171.74	2.11	86.5	n
TCB-81	160901	0.59 n	25:58	1.28	5.68	1.66	-	n
13C-TCB-77	4627630	0.68 y	26:32	0.98	174.13	2.04	87.7	n
TCB-77	1340993	0.76 y	26:33	1.10	52.16	1.95	-	n
13C-PeCB-123	5306770	0.64 y	27:54	0.87	225.10	2.59	113.3	n
PeCB-123	258832	0.64 y	27:56	1.51	6.42	1.79	-	y
13C-PeCB-118	5003930	0.60 y	28:03	0.98	187.88	2.29	94.6	n
PeCB-118/106	5860670	0.54 y	28:04	1.53	152.23	1.78	-	y
13C-PeCB-114	5555620	0.64 y	28:41	0.97	212.52	2.34	107.0	n
PeCB-114	149925	0.49 n	28:42	1.59	3.38	1.62	-	n
13C-PeCB-105	5217410	0.62 y	29:33	0.90	214.96	2.52	108.2	n
PeCB-105/127	3489500	0.56 y	29:34	1.42	93.40	2.12	-	n
13C-PeCB-126	5053420	0.55 y	31:27	0.91	204.94	2.48	103.2	n
PeCB-126	185520	0.51 n	31:26	1.17	6.21	2.63	-	n
13C-OcCB-202	5995430	0.78 y	33:44	-	0.23	-	-	n
13C-HxCB-167	6937280	1.38 y	32:34	0.84	273.07	1.70	137.5	n
HxCB-167	859262	1.80 n	32:30	1.17	21.05	0.68	-	n
13C-HxCB-156	5581250	1.31 y	33:52	0.67	275.86	2.13	138.9	n
HxCB-156	647382	1.34 y	33:53	1.45	15.86	0.70	-	n
13C-HxCB-157	6017670	1.24 y	34:11	0.71	282.03	2.02	142.0	n
HxCB-157	147836	1.65 n	34:12	1.45	3.37	0.68	-	n
13C-HxCB-169	6674460	1.28 y	36:02	0.73	301.44	1.95	151.8	n
HxCB-169	*	* n	NotFnd	0.99	*	0.89	-	n
13C-HpCB-180	4604940	1.05 y	34:50	0.58	260.93	1.71	131.4	n
HpCB-180	4280660	1.10 y	34:51	1.27	145.92	5.17	-	n
13C-HpCB-170	3845280	1.06 y	36:28	0.47	268.50	2.10	135.2	n
HpCB-170/190	1998839	1.21 n	36:30	1.61	64.27	5.03	-	n
13C-HpCB-189	5382730	1.04 y	38:06	0.60	297.92	1.67	150.0	n
HpCB-189	*	* n	NotFnd	1.21	*	4.34	-	n
13C-DeCB-209	1912451	0.72 y	43:27	0.46	137.68	1.05	69.3	n
DECB-209	*	* n	NotFnd	1.50	*	2.56	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	2.03	*	n

*ND/G*

*LC*

*LC*

*LC*

*LC*

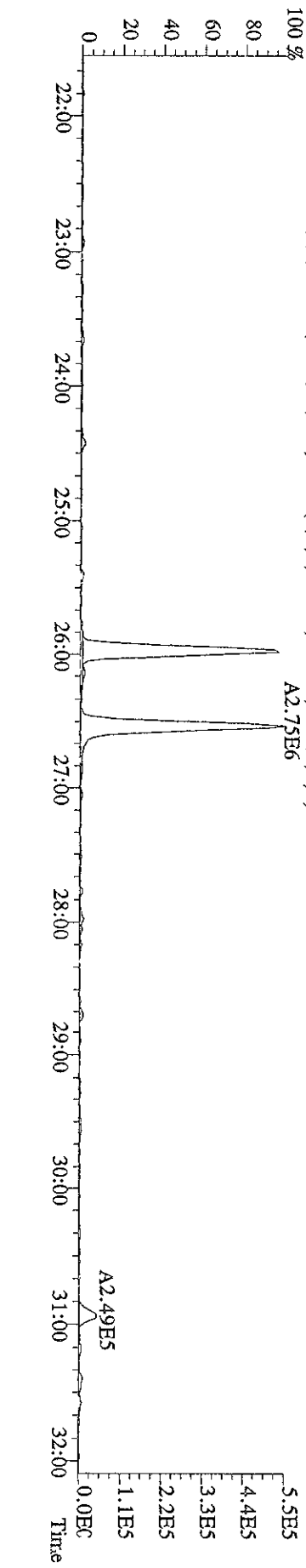
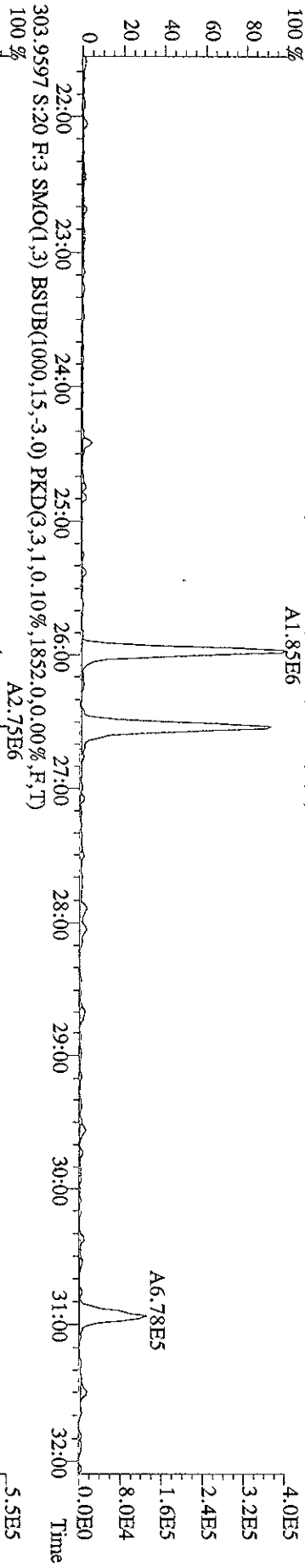
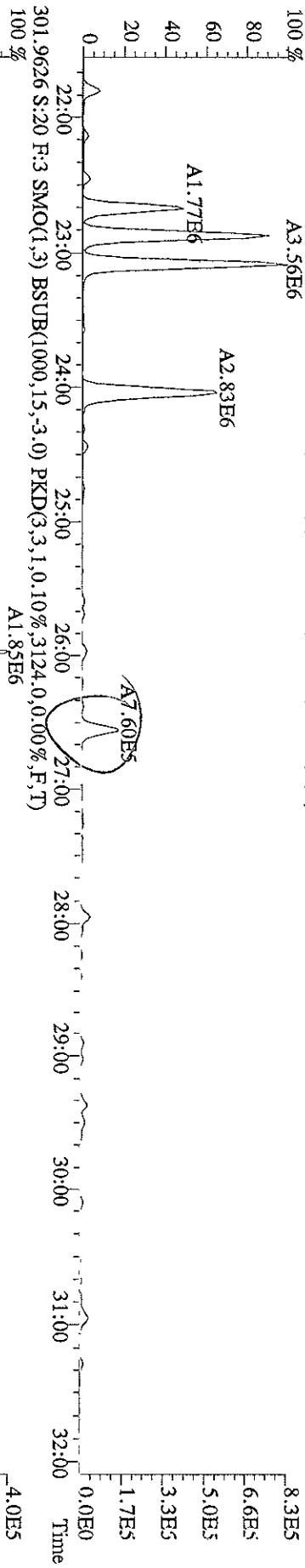
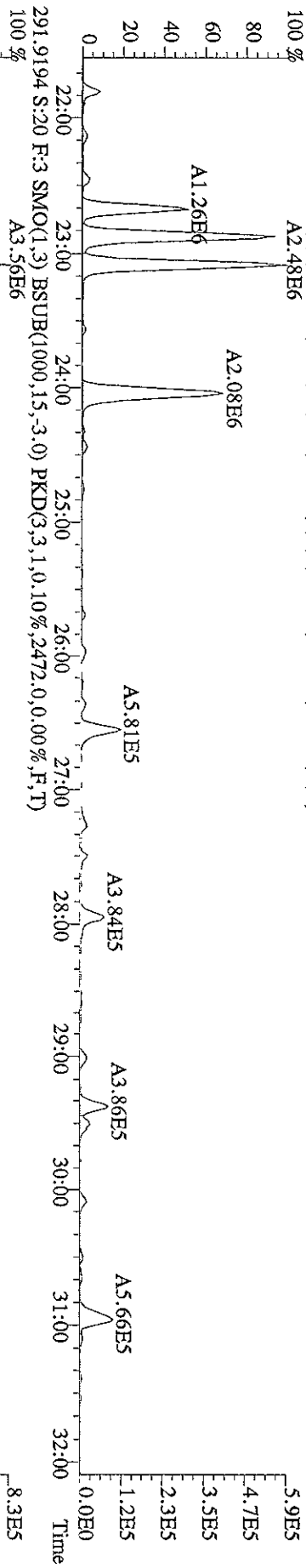
*NA*

*SL 9/6/09*

Run text: K9L4A-1-AC      Sample text: K9L4A-1-AC :G9D040182-3 (10X)  
 Run #18 Filename: 04MY099D5    S: 20    I: 1      Results: 04MY099D51668MSLDEC  
 Acquired: 5-MAY-09    04:59:38      Processed: 5-MAY-09    09:37:58  
 Run: 04MY099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0115099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.0700µg

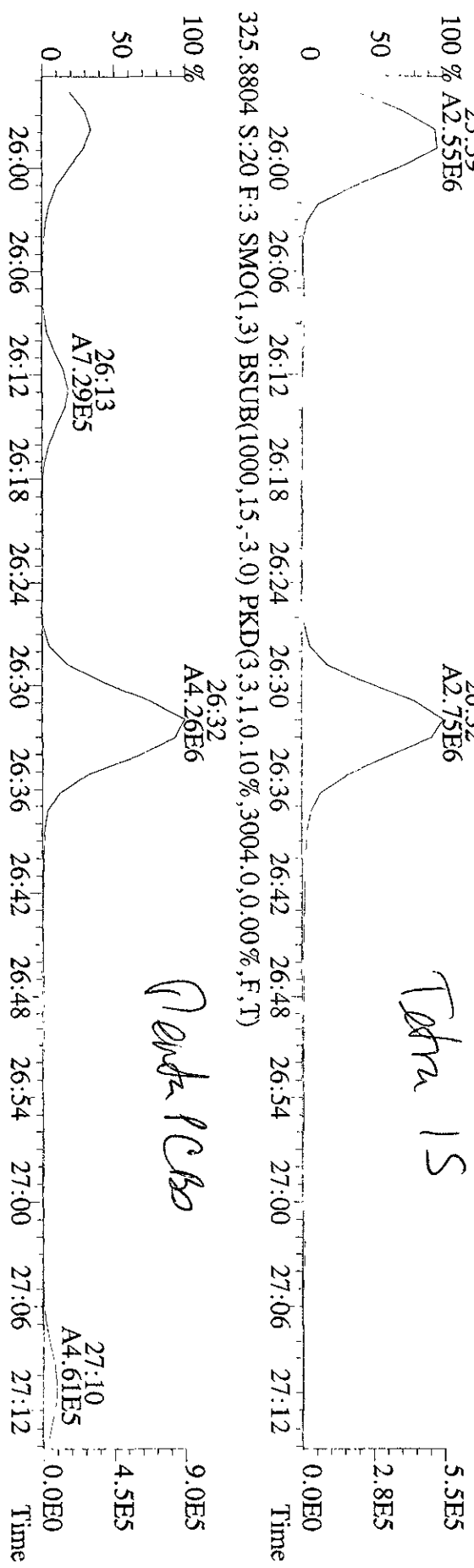
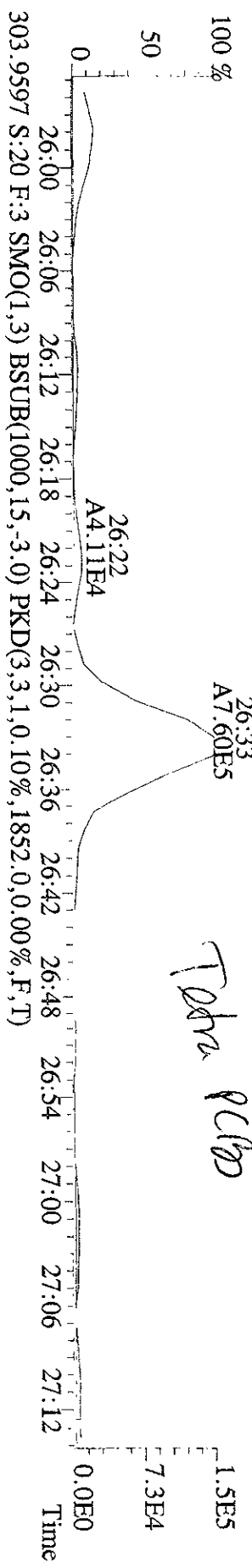
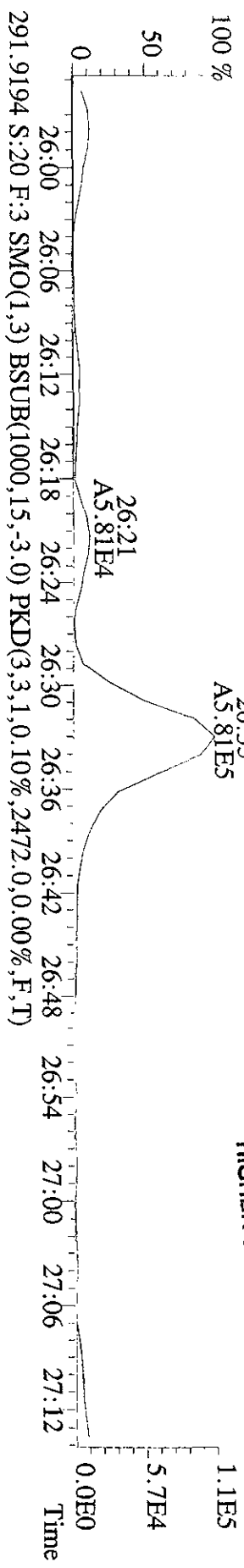
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	5372743	0.62 y	24:25	-	0.22	-	-	n
13C-TCB-81	4400968	0.73 y	25:58	0.95	171.74	2.11	86.5	n
TCB-81	160901	0.59 n	25:58	1.28	5.68	1.66	-	n
13C-TCB-77	4627635	0.68 y	26:32	0.98	174.13	2.04	87.7	n
TCB-77	1340993	0.76 y	26:33	1.10	52.16	1.95	-	n
13C-PeCB-123	5306774	0.64 y	27:54	0.87	225.10	2.59	113.3	n
PeCB-123	*	* n	NotFnd	1.51	*	1.79	-	n
13C-PeCB-118	5003923	0.60 y	28:03	0.98	187.88	2.29	94.6	n
PeCB-118/106	5964942	0.56 y	28:04	1.53	154.94	1.78	-	n
13C-PeCB-114	5555613	0.64 y	28:41	0.97	212.52	2.34	107.0	n
PeCB-114	149925	0.49 n	28:42	1.59	3.38	1.62	-	n
13C-PeCB-105	5217407	0.62 y	29:33	0.90	214.96	2.52	108.2	n
PeCB-105/127	3489502	0.56 y	29:34	1.42	93.40	2.12	-	n
13C-PeCB-126	5053422	0.55 y	31:27	0.91	204.94	2.48	103.2	n
PeCB-126	*	* n	NotFnd	1.17	*	2.63	-	n
13C-OcCB-202	5995433	0.78 y	33:44	-	0.23	-	-	n
13C-HxCB-167	6937278	1.38 y	32:34	0.84	273.07	1.70	137.5	n
HxCB-167	859263	1.80 n	32:30	1.17	21.05	0.68	-	n
13C-HxCB-156	5581251	1.31 y	33:52	0.67	275.86	2.13	138.9	n
HxCB-156	647382	1.34 y	33:53	1.45	15.86	0.70	-	n
13C-HxCB-157	6017665	1.24 y	34:11	0.71	282.03	2.02	142.0	n
HxCB-157	147836	1.65 n	34:12	1.45	3.37	0.68	-	n
13C-HxCB-169	5674458	1.28 y	36:02	0.73	301.44	1.95	151.6	n
HxCB-169	*	* n	NotFnd	0.99	*	0.89	-	n
13C-HpCB-180	4604938	1.05 y	34:50	0.58	260.93	1.71	131.4	n
HpCB-180	4280661	1.10 y	34:51	1.27	145.92	5.17	-	n
13C-HpCB-170	3845282	1.06 y	36:28	0.47	268.50	2.10	135.2	n
HpCB-170/190	1998839	1.21 n	36:30	1.61	64.27	5.03	-	n
13C-HpCB-189	5382725	1.04 y	38:06	0.60	297.92	1.67	150.0	n
HpCB-189	*	* n	NotFnd	1.21	*	4.34	-	n
13C-DeCB-209	1912450	0.72 y	43:27	0.46	137.68	1.05	69.3	n
DeCB-209	*	* n	NotFnd	1.50	*	2.56	-	n
13C-PeCB-111	*	* n	NotFnd	1.36	*	2.03	*	n

File:04MYY099D5 #1-594 Acq: 5-MAY-2009 04:59:38 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#20 Text:K9L4A-1-AC :G9D040182-3 (10X) Exp:209DB5  
 289.9224 S:20 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1508,0,0,00%,F,T)

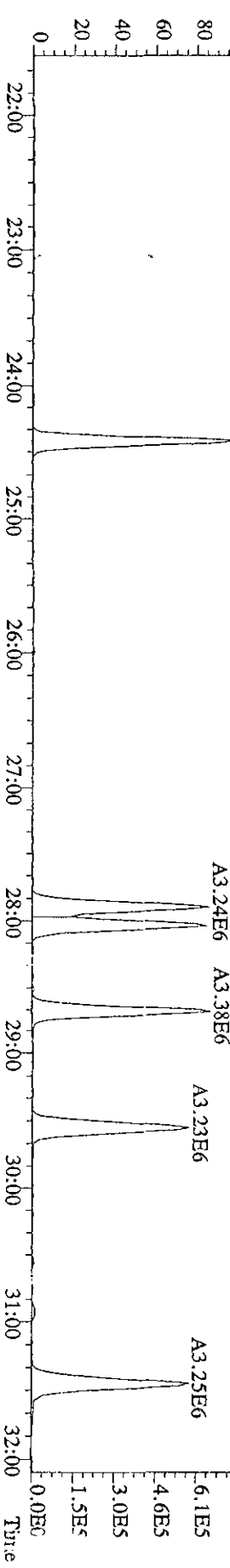
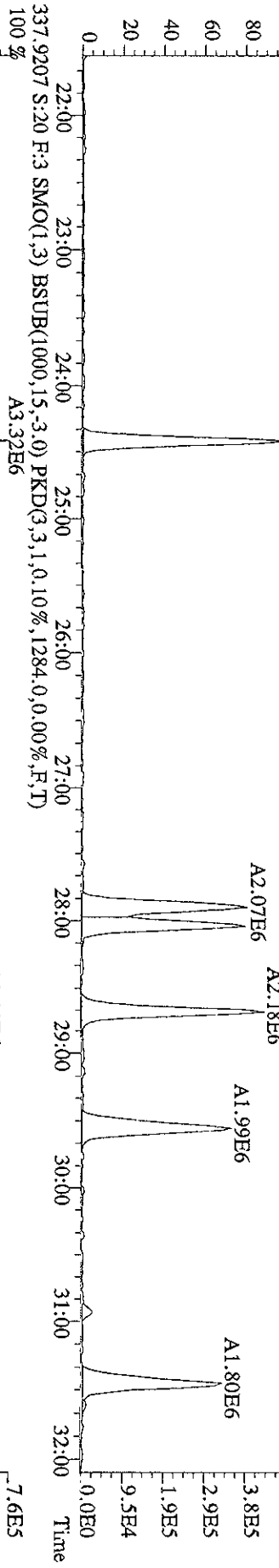
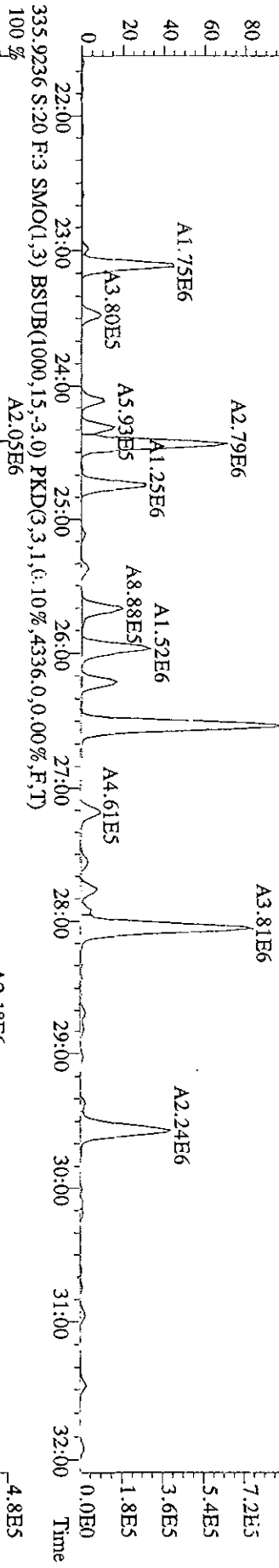
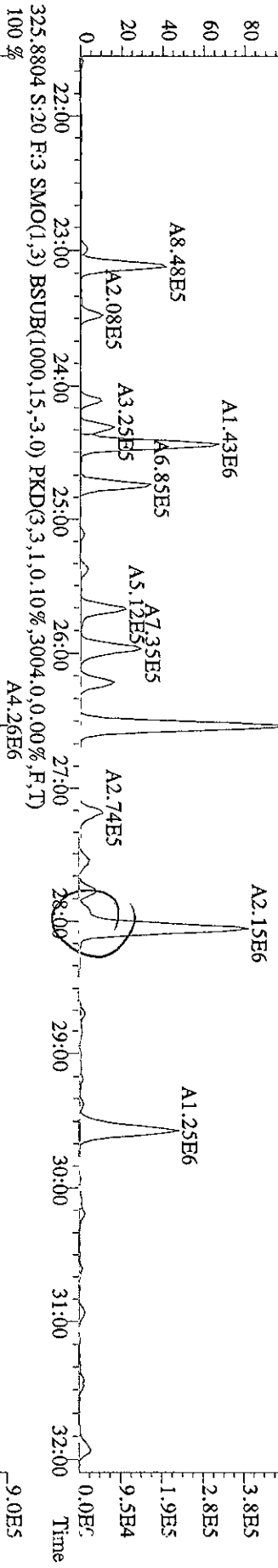


File: 04MYY099D5 #1-594 Acq: 5-MAY-2009 04:59:38 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#20 Text:K9L4A-1-AC :G9D040182-3 Exp:209DB5  
 289.9224 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1508,0,0.00%,F,T)

MORE THAN 50%  
 CONTRIBUTION FROM A  
 HIGHER CHLORINATION PCB

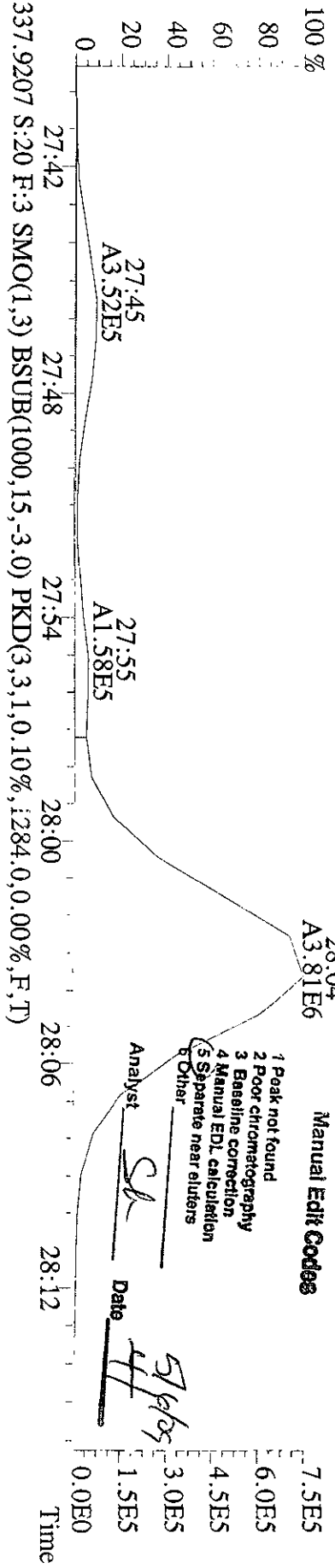
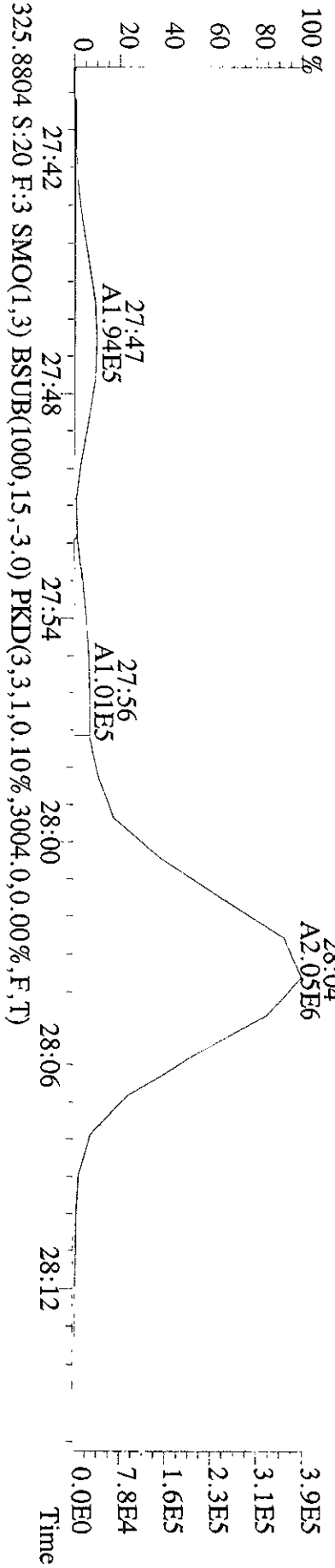


File:04MAY099D5 #1-594 Acq: 5-MAY-2009 04:59:38 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#20 Text:K9L4A-1-AC :G9D040182-3 (10X) Exp:209DB5  
 323.8834 S:20 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2604,0,0,00%,F,T) A2.19E6  
 100 %





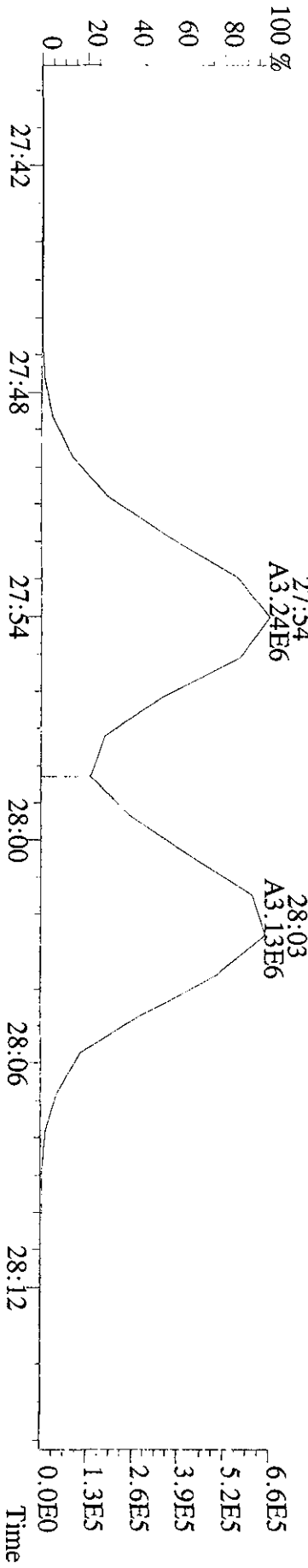
File: 04MYY099D5 #1-594 Acq: 5-MAY-2009 04:59:38 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#20 Text: K9L4A-1-AC : G9D040182-3 Exp: 209DB5  
 323.8834 S:20 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2604.0,0.00%,F,T)



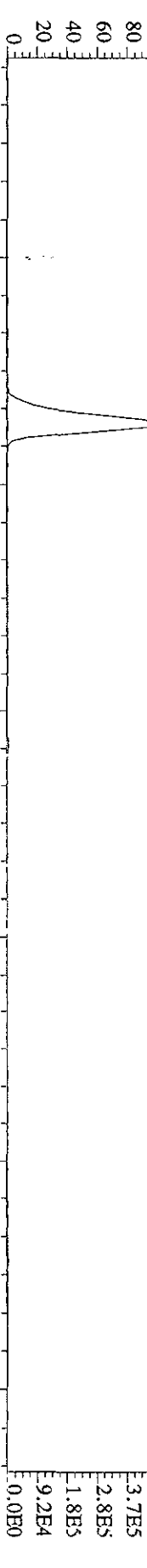
**Manual Edit Codes**

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

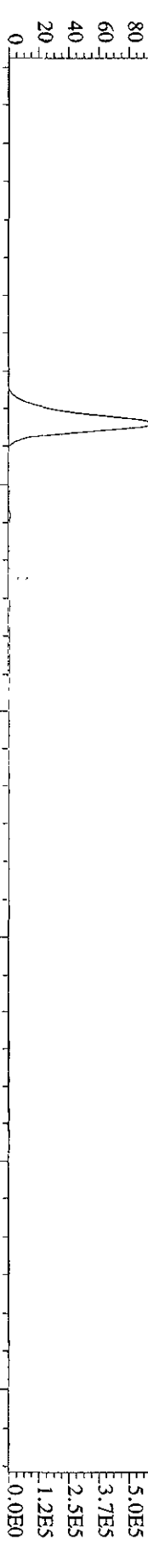
Analyst SK Date 5/9/09



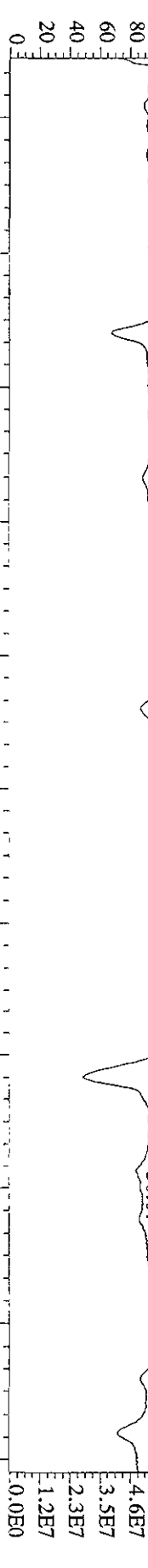
File:04MAY099D5 #1-381 Acq: 5-MAY-2009 04:59:38 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#20 Text:K9L4A-1-A-C :G9D040182-3 (10X) Exp:209DB5  
 439.8038 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,104.0,0.00%,F,T)  
 100% A2.62E6



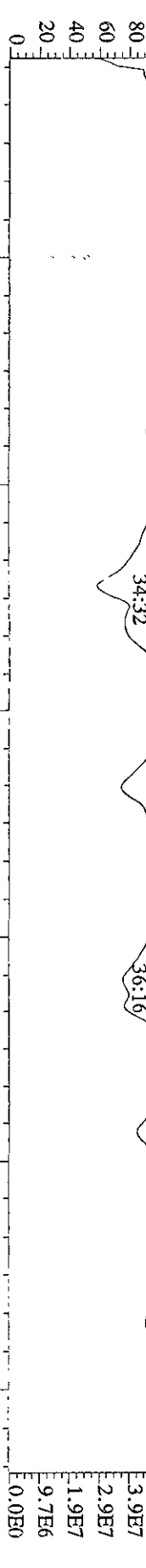
441.8008 S:20 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,204.0,0.00%,F,T)  
 100% A3.38E6



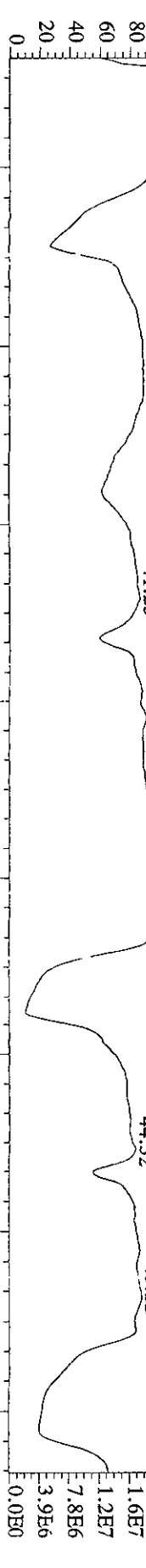
380.9760 S:20 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 100% 21:51 22:36 23:22 24:22 25:25 25:58 26:42 27:16 27:54 28:45 29:26 30:07 30:41 31:13



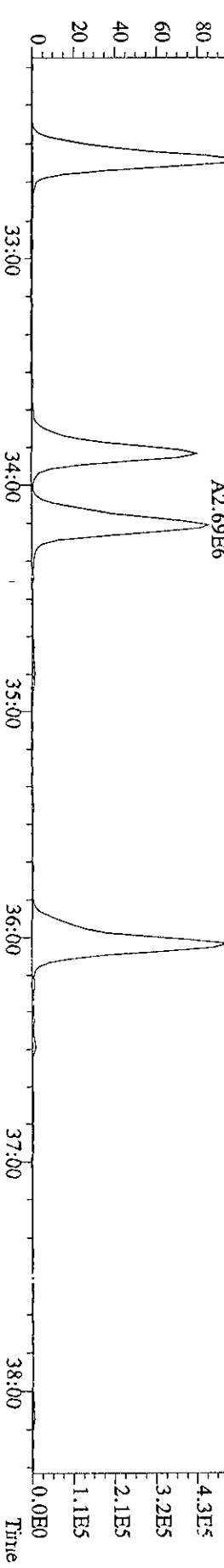
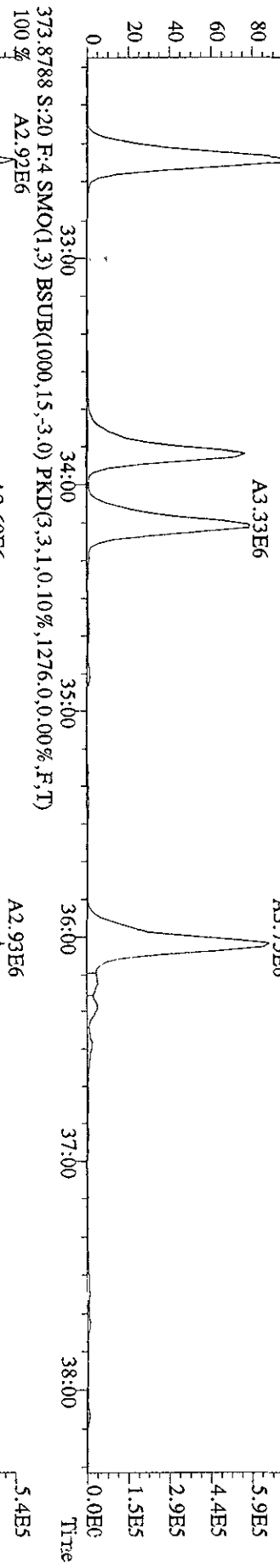
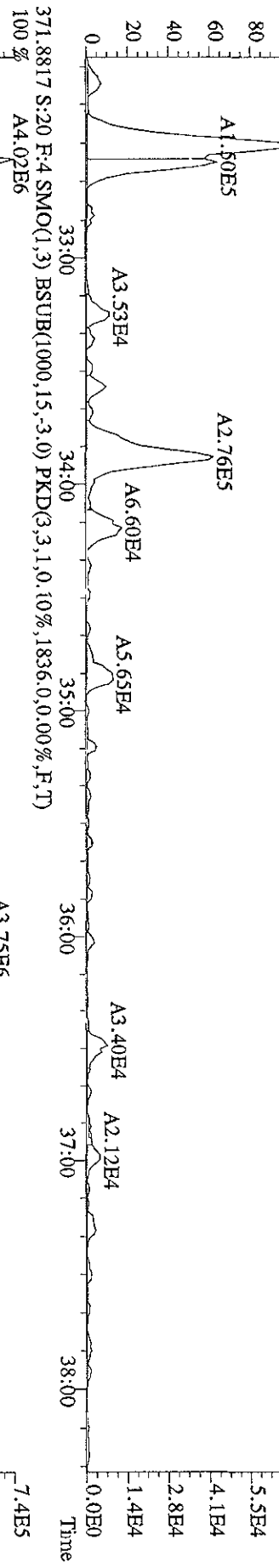
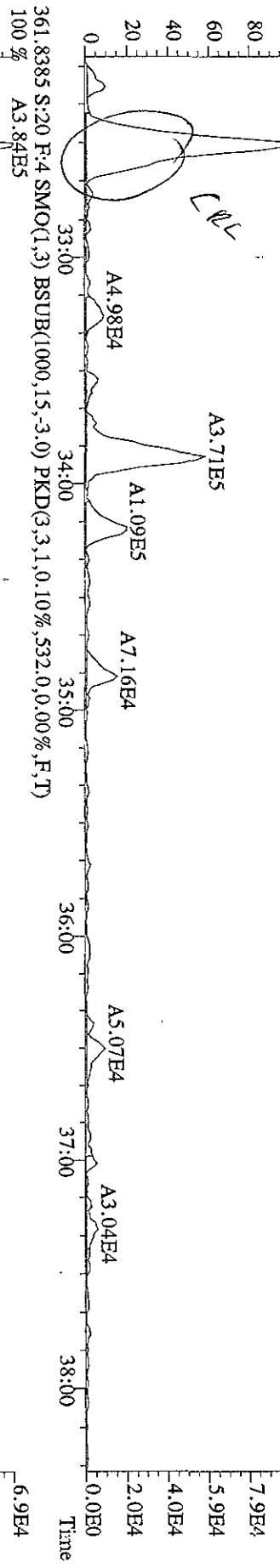
380.9760 S:20 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 100% 32:25 33:03 33:22 34:02 34:32 35:09 35:47 36:16 36:32 37:20 38:07



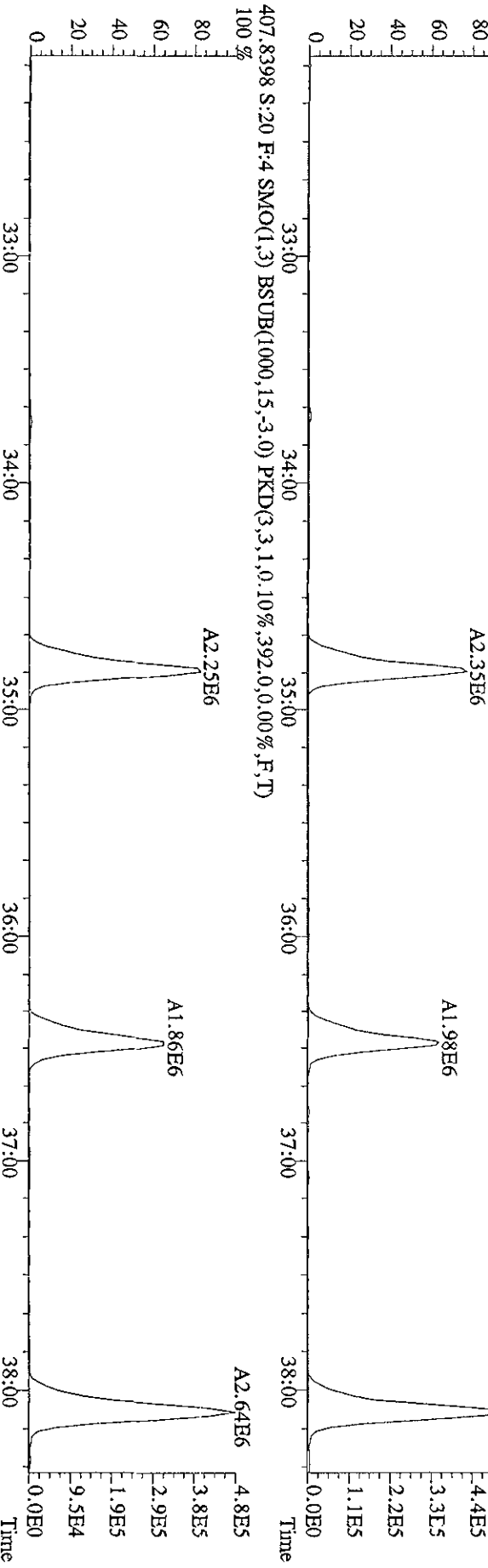
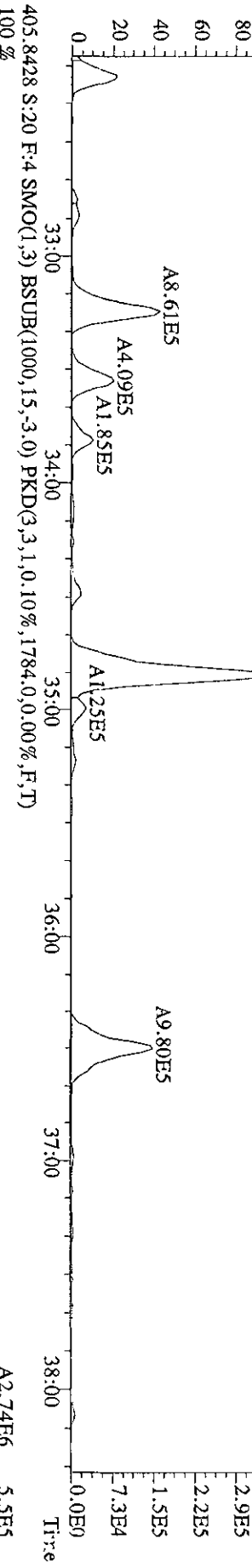
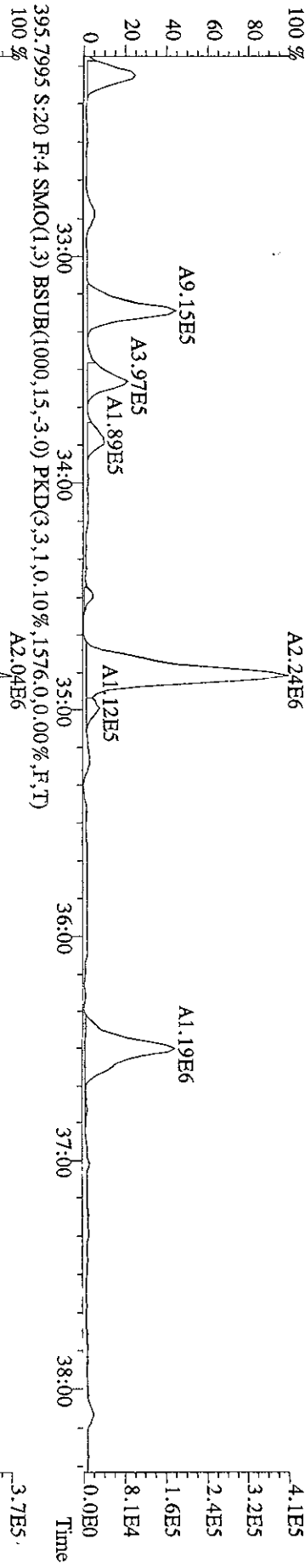
480.9696 S:20 F:5 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 100% 38:58 40:09 41:25 42:06 42:41 43:16 44:32 45:22



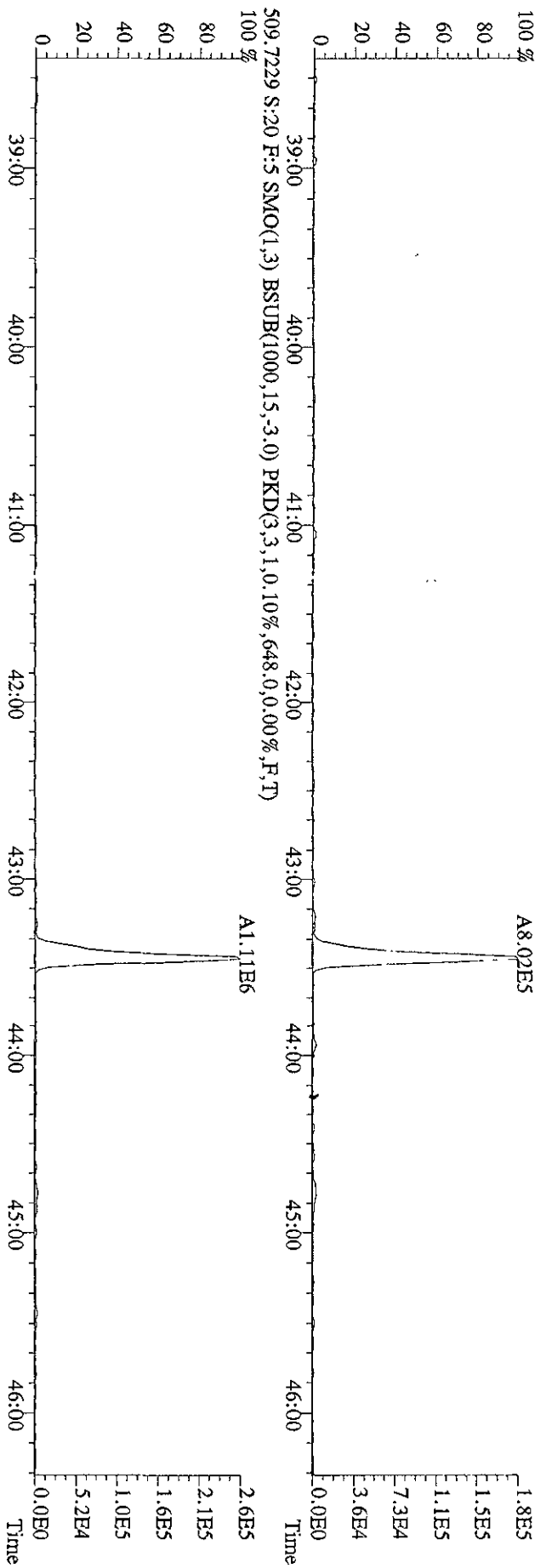
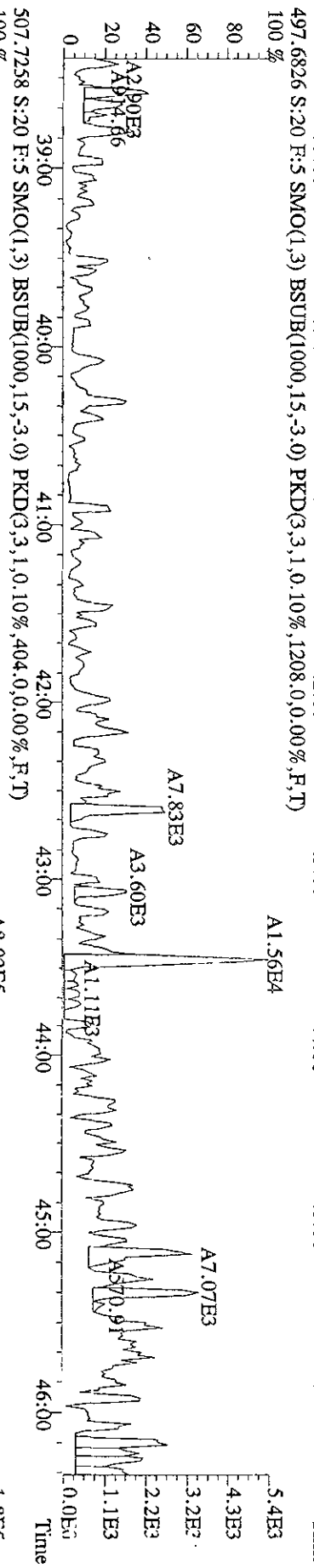
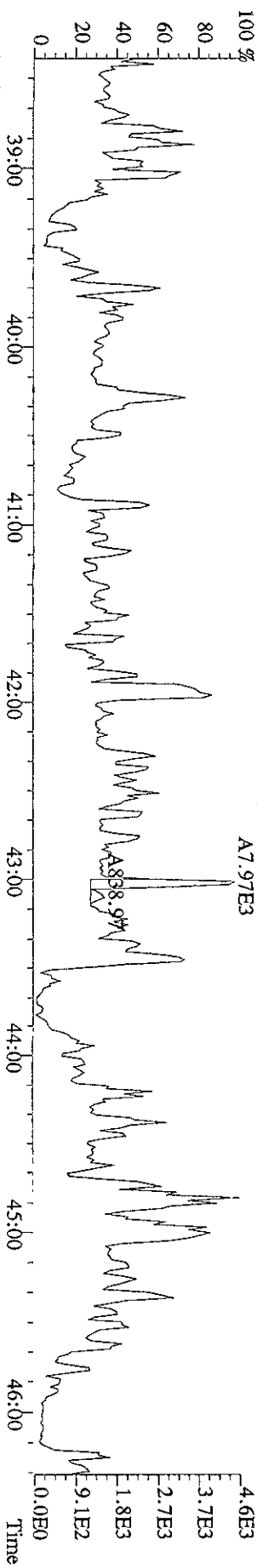
File:04MY099D5 #1-381 Acq: 5-MAY-2009 04:59:38 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#20 Text:K9L4A-1-AC :G9D040182-3 (10X) Exp:209DB5  
 359.8415 S:20 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1516,0,0,00%,F,T)  
 100% A6.92E5



File:04MYY099D5 #1-381 Acq: 5-MAY-2009 04:59:38 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#20 Text:K9L4A-1-AC :G9D040182-3 (10X) Exp:209DB5  
 393.8025 S:20 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9164,0,0,00%,F,T)  
 100%



File:04MY099D5 #1-529 Acq: 5-MAY-2009 04:59:38 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#20 Text:K9L4A-1-AC :G9D040182-3 (10X) Exp:209DB5  
 495.6856 S:20 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2232.0,0.00%,F,T)



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668M (Short List + Deca)

Associated ICAL 1668M & LDECO11509905

Column ID DB5

Instrument ID 905

STD ID ST0501C

STD Solution 09DXN016

Analyzed by K.A.P., A.M.

Date Analyzed 5/5/09

Std. Pkg. By M.G.

Date Std. Pkg. Assembled 5/8/09

Std. Pkg. Reviewed By JCW

Date Std. Pkg. Reviewed 05/08/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Method 1668A (PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ± 50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.  
 Method 1614 (DBDs/DBFs): ± 30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ± 30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
 Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0501C File text: ST0501C :CS3 09DXN016  
Run #14 Filename 04MY099D5 S: 16 I: 1  
Acquired: 5-MAY-09 01:34:15 Processed: 5-MAY-09 09:37:13  
Run: 04MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 04MY099D51668MSLDEC

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	253522300	0.60 y	24:24	-	100.00	-	n
13C-TCB-81	241297000	0.72 y	25:58	0.95	100.00	0.5	n
TCB-81	167116400	0.72 y	25:59	1.39	50.00	8.4	n
13C-TCB-77	216765700	0.69 y	26:31	0.86	100.00	-13.0	n
TCB-77	137996500	0.70 y	26:32	1.27	50.00	15.4	n
13C-PeCB-123	264643900	0.59 y	27:53	1.04	100.00	19.8	n
PeCB-123	181462308	0.52 n	27:54	1.37	50.00	-9.1	n
13C-PeCB-118	271404000	0.60 y	28:01	1.07	100.00	8.7	n
PeCB-118/106	211617000	0.52 y	28:02	1.56	50.00	2.1	n
13C-PeCB-114	291172000	0.60 y	28:40	1.15	100.00	18.9	n
PeCB-114	234739100	0.52 y	28:41	1.61	50.00	1.7	n
13C-PeCB-105	269439000	0.61 y	29:32	1.06	100.00	18.4	n
PeCB-105/127	191939500	0.53 y	29:33	1.42	50.00	0.2	n
13C-PeCB-126	314179000	0.60 y	31:25	1.24	100.00	36.0	n
PeCB-126	191067700	0.52 y	31:26	1.22	50.00	3.7	n
13C-OcCB-202	350385000	0.83 y	33:42	-	100.00	-	n
13C-HxCB-167	337763000	1.28 y	32:32	0.96	100.00	14.5	n
HxCB-167	162606800	1.29 y	32:32	0.96	50.00	-17.6	y
13C-HxCB-156	286353000	1.32 y	33:50	0.82	100.00	21.9	n
HxCB-156	218306900	1.30 y	33:51	1.52	50.00	5.0	n
13C-HxCB-157	301831000	1.27 y	34:08	0.86	100.00	21.9	n
HxCB-157	227730000	1.26 y	34:10	1.51	50.00	4.3	n
13C-HxCB-169	334130000	1.29 y	35:59	0.95	100.00	30.0	n
HxCB-169	176610300	1.27 y	36:00	1.06	50.00	6.9	n
13C-HpCB-180	260935000	1.04 y	34:47	0.74	100.00	27.4	n
HpCB-180	167321400	1.08 y	34:49	1.28	50.00	1.4	n
13C-HpCB-170	215053000	1.05 y	36:26	0.61	100.00	29.4	n
HpCB-170/190	172364700	1.09 y	36:27	1.60	50.00	-0.2	n
13C-HpCB-189	288941000	1.04 y	38:04	0.82	100.00	37.8	n
HpCB-189	181295500	1.09 y	38:05	1.25	50.00	4.0	n
13C-DeCB-209	237603600	0.71 y	43:25	0.68	100.00	47.4	n
DECB-209	183193700	0.68 y	43:26	1.54	50.00	2.5	n
13C-PeCB-111	349658000	0.60 y	25:50	1.28	100.00	-6.0	n

*30  
09/09/09*

Run text: ST0501C File text: ST0501C :CS3 09DXN016  
 Run #14 Filename 04MY099D5 S: 16 I: 1  
 Acquired: 5-MAY-09 01:34:15 Processed: 5-MAY-09 09:37:13  
 Run: 04MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 04MY099D51668MSLDEC

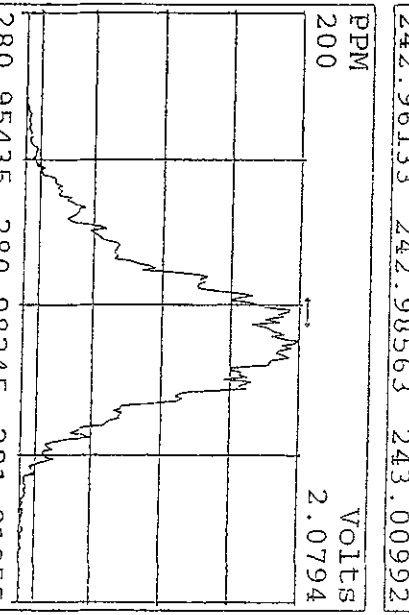
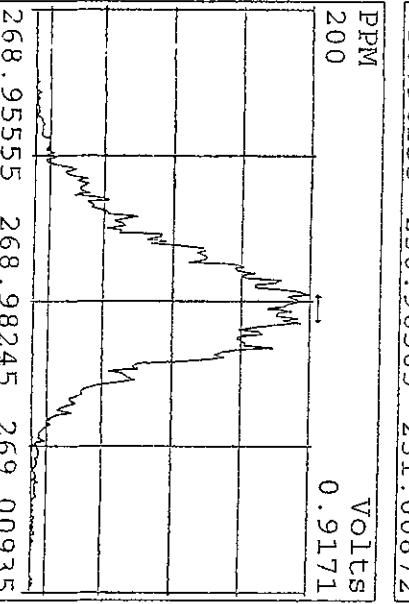
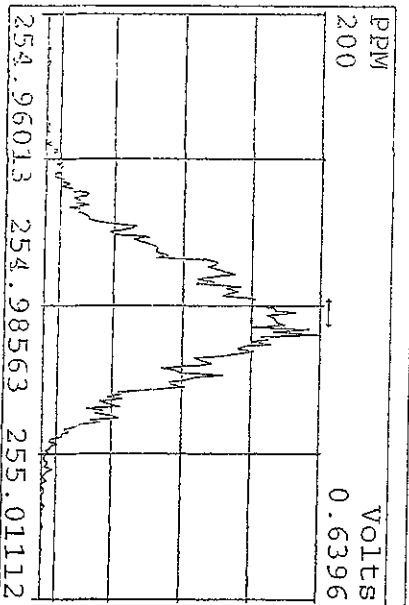
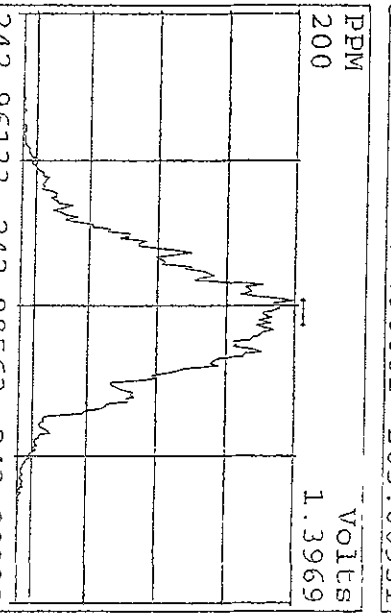
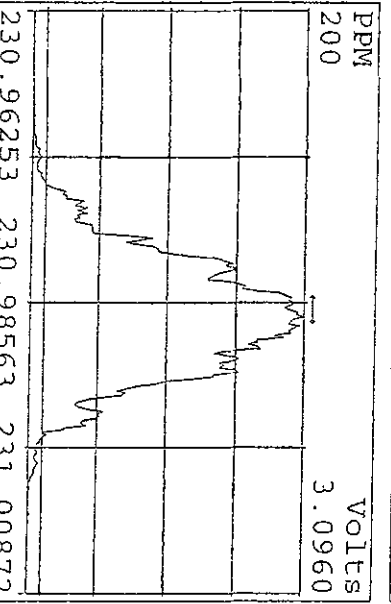
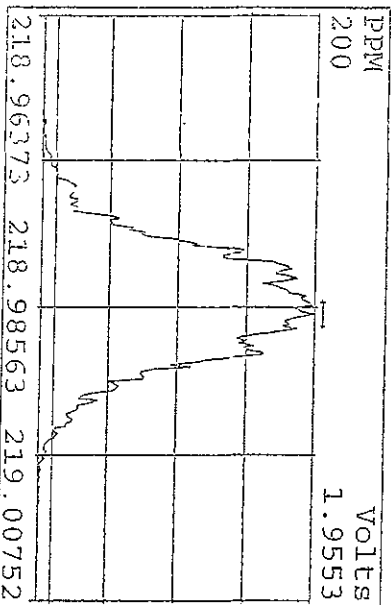
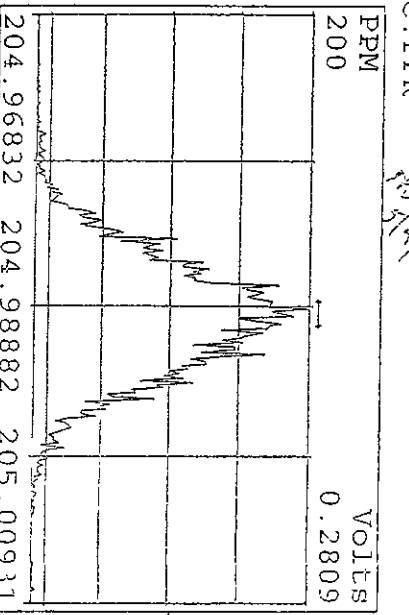
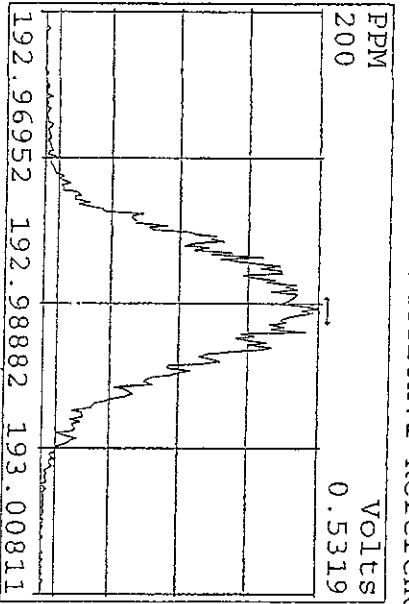
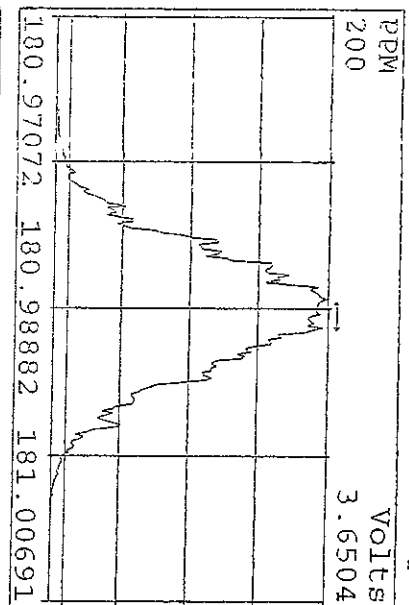
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	253522300	0.60 y	24:24	-	100.00	-	n
13C-TCB-81	241297000	0.72 y	25:58	0.95	100.00	0.5	n
TCB-81	167116400	0.72 y	25:59	1.39	50.00	8.4	n
13C-TCB-77	216765700	0.69 y	26:31	0.86	100.00	-13.0	n
TCB-77	137996500	0.70 y	26:32	1.27	50.00	15.4	n
13C-PeCB-123	264643900	0.59 y	27:53	1.04	100.00	19.8	n
PeCB-123	181462308	0.52 n	27:54	1.37	50.00	-9.1	n
13C-PeCB-118	271404000	0.60 y	28:01	1.07	100.00	8.7	n
PeCB-118/106	211617000	0.52 y	28:02	1.56	50.00	2.1	n
13C-PeCB-114	291172000	0.60 y	28:40	1.15	100.00	18.9	n
PeCB-114	234739100	0.52 y	28:41	1.61	50.00	1.7	n
13C-PeCB-105	269439000	0.61 y	29:32	1.06	100.00	18.4	n
PeCB-105/127	191939500	0.53 y	29:33	1.42	50.00	0.2	n
13C-PeCB-126	314179000	0.60 y	31:25	1.24	100.00	36.0	n
PeCB-126	191067700	0.52 y	31:26	1.22	50.00	3.7	n
13C-OcCB-202	350385000	0.83 y	33:42	-	100.00	-	n
13C-HxCB-167	337763000	1.28 y	32:32	0.96	100.00	14.5	n
HxCB-167	375603000	1.27 y	32:31	2.22	50.00	90.3	n
13C-HxCB-156	286353000	1.32 y	33:50	0.82	100.00	21.9	n
HxCB-156	218306900	1.30 y	33:51	1.52	50.00	5.0	n
13C-HxCB-157	301831000	1.27 y	34:08	0.86	100.00	21.9	n
HxCB-157	227730000	1.26 y	34:10	1.51	50.00	4.3	n
13C-HxCB-169	334130000	1.29 y	35:59	0.95	100.00	30.0	n
HxCB-169	176610300	1.27 y	36:00	1.06	50.00	6.9	n
13C-HpCB-180	260935000	1.04 y	34:47	0.74	100.00	27.4	n
HpCB-180	167321400	1.08 y	34:49	1.28	50.00	1.4	n
13C-HpCB-170	215053000	1.05 y	36:26	0.61	100.00	29.4	n
HpCB-170/190	172364700	1.09 y	36:27	1.60	50.00	-0.2	n
13C-HpCB-189	288941000	1.04 y	38:04	0.82	100.00	37.8	n
HpCB-189	181295500	1.09 y	38:05	1.25	50.00	4.0	n
13C-DeCB-209	237603600	0.71 y	43:25	0.68	100.00	47.4	n
DECB-209	183193700	0.68 y	43:26	1.54	50.00	2.5	n
13C-PeCB-111	349658000	0.60 y	25:50	1.28	100.00	-6.0	n



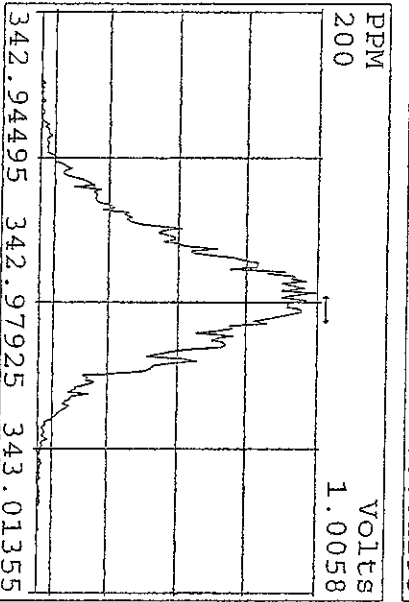
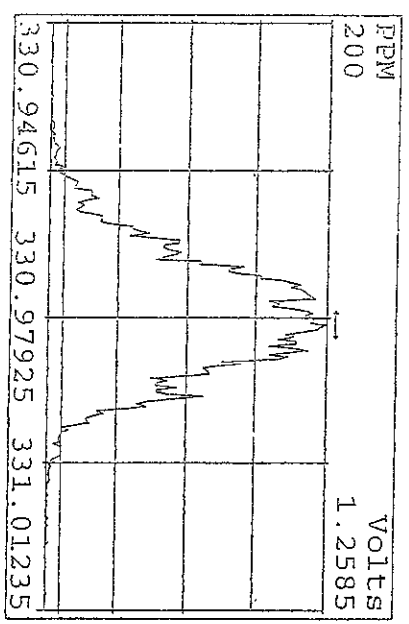
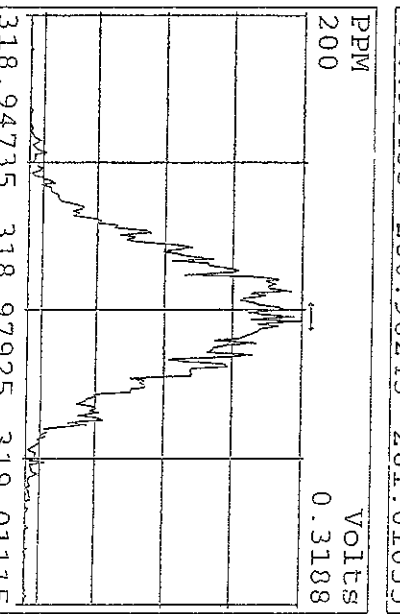
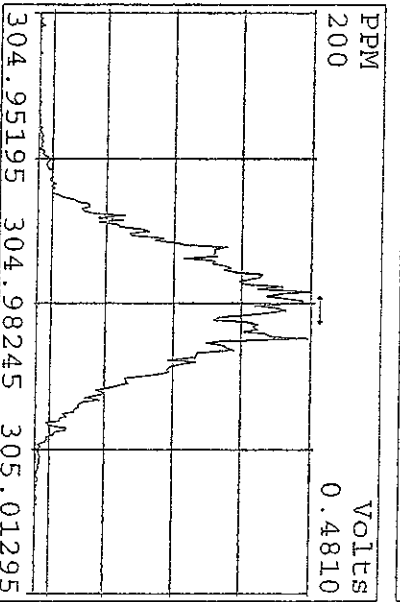
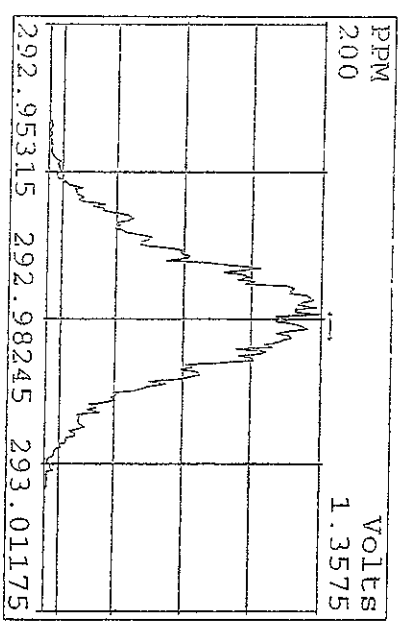
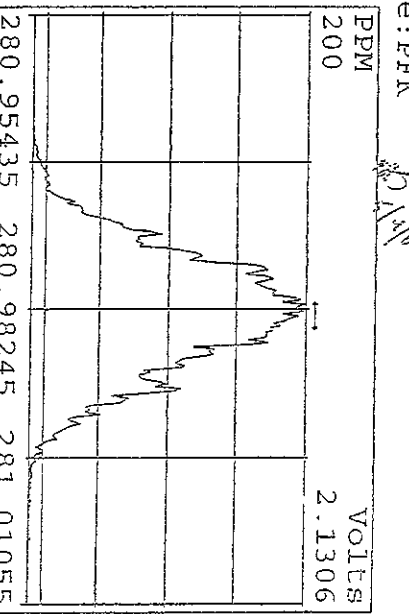
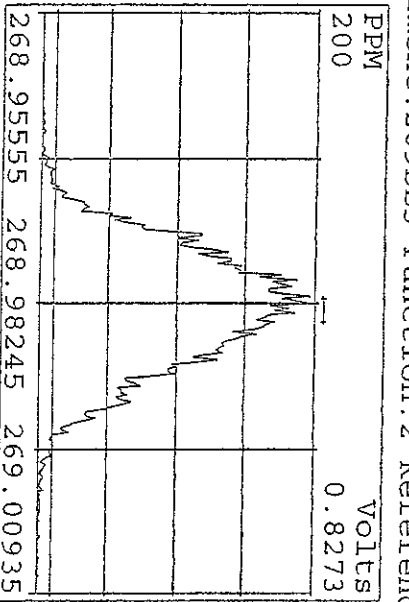
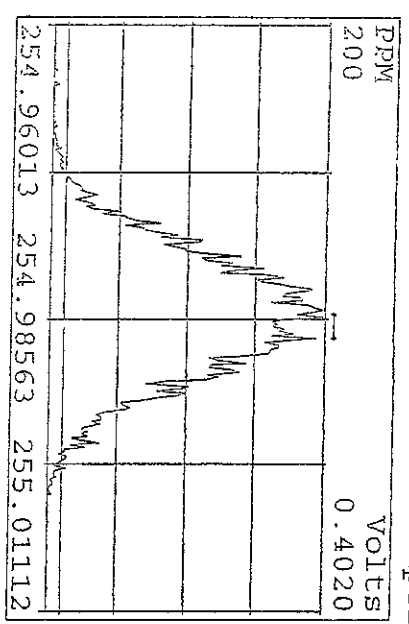
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04MY099D5	3	SB0501	Solvent Blank C-12				1.00000	
04MY099D5	4	LAKA6-1-AC	G9D220326-1 (10X)	50	1668/WASTE	36	0.10600	g
04MY099D5	5	K9490-1-AE	F9D150204-1 (10X)	50	1668/SOLID	37	1.00000	g
04MY099D5	6	SB0501	Solvent Blank C-12				1.00000	
04MY099D5	7	LAJ7L-1-AA	G9D210223-MB	20	1668/AIR	32	0.50000	SAM
04MY099D5	8	LAJ7L-1-AC	G9D210223-LCS	20	1668/AIR		0.50000	SAM
04MY099D5	9	LAJ7L-1-AD	G9D210223-DCS	20	1668/AIR		0.50000	SAM
04MY099D5	10	K9LEP-1-AC	G9D030340-1 (10X)	50	1668/SOLID	37	10.00000	g
04MY099D5	11	K9LEQ-1-AC	G9D030340-2 (10X)	50	1668/SOLID		10.18000	g
04MY099D5	12	K9LER-1-AC	G9D030340-3 (10X)	50	1668/SOLID		10.43000	g
04MY099D5	13	K9LET-1-AC	G9D030340-4 (10X)	50	1668/SOLID		10.21000	g
04MY099D5	14	K9LEV-1-AC	G9D030340-5 (10X)	50	1668/SOLID		10.06000	g
04MY099D5	15	SB0501B	Solvent Blank C-12				1.00000	
04MY099D5	16	ST0501C	CS3 09DXN016				1.00000	
04MY099D5	17	SB0501C	Solvent Blank C-12				1.00000	
04MY099D5	18	K9L38-1-AC	G9D040182-1 (10X)	50	1668/SOLID	37	10.01500	g
04MY099D5	19	K9L39-1-AC	G9D040182-2 (10X)	50	1668/SOLID		10.25000	g
04MY099D5	20	K9L4A-1-AC	G9D040182-3 (10X)	50	1668/SOLID		10.07000	g
04MY099D5	21	LAF43-1-AC	G9D210223-1 (10X)	50	1668/AIR	32	0.50000	SAM
04MY099D5	22	LAF47-1-AC	G9D210223-2 (10X)	50	1668/AIR		0.50000	SAM
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04MY099D5	25						1.00000	
04MY099D5	26						1.00000	
04MY099D5	27		KAS, AM 05-04-09				1.00000	
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Peak Locate Examination: 4-MAY-2009:12:42 File: 02MY099D5  
 Experiment: 209DB5 Function: 1 Reference: PFK

SM  
 5/14/09



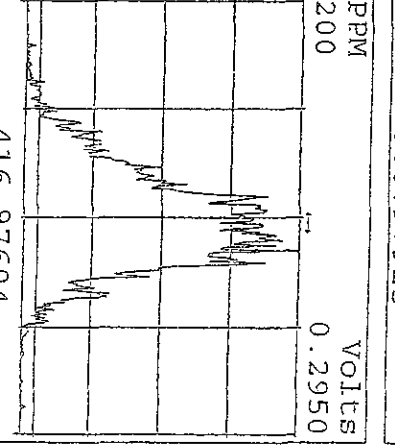
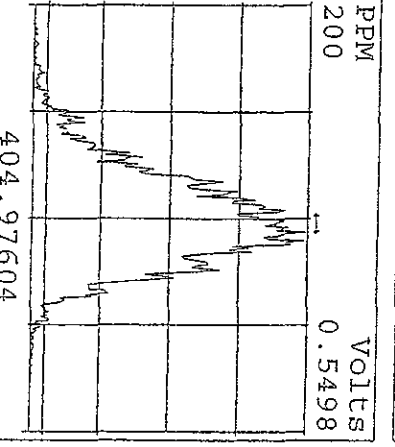
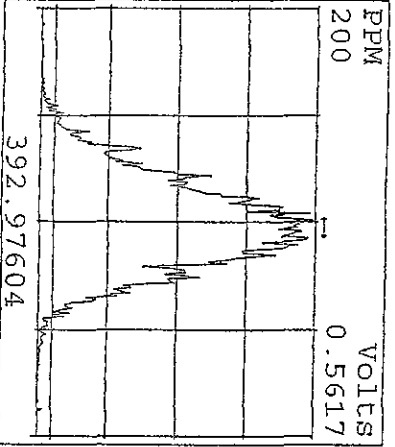
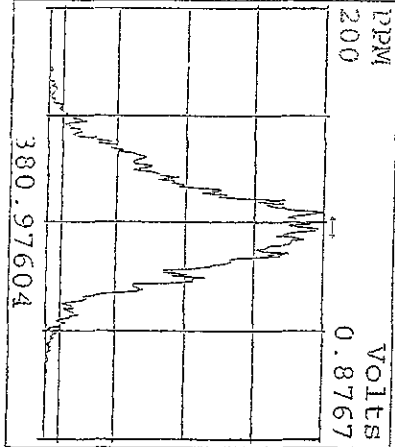
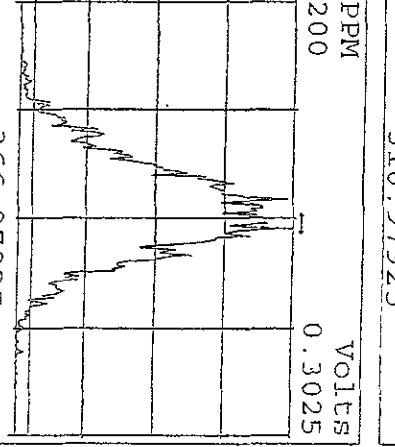
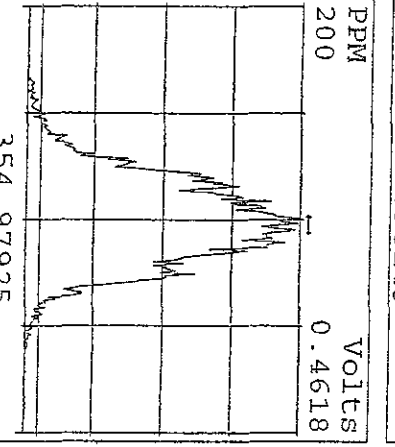
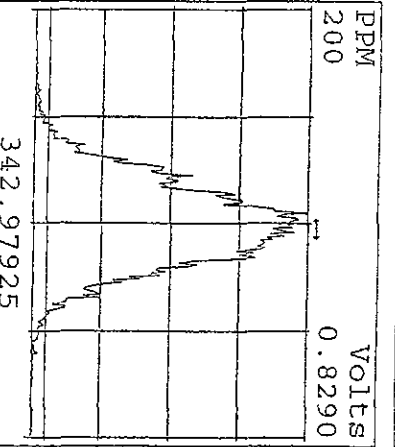
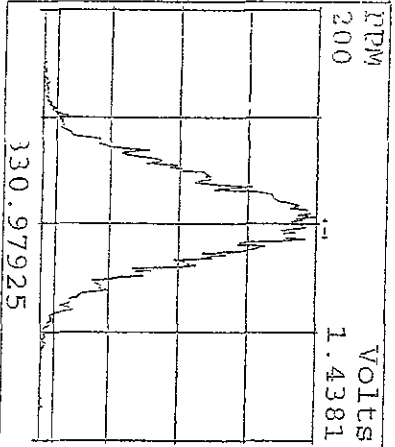
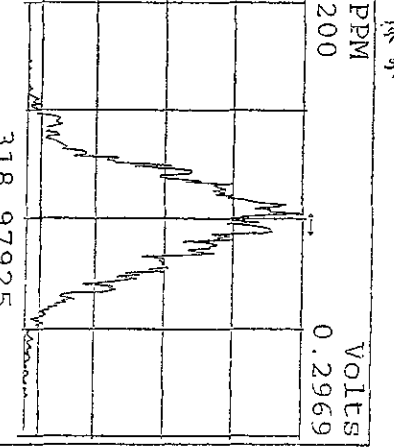
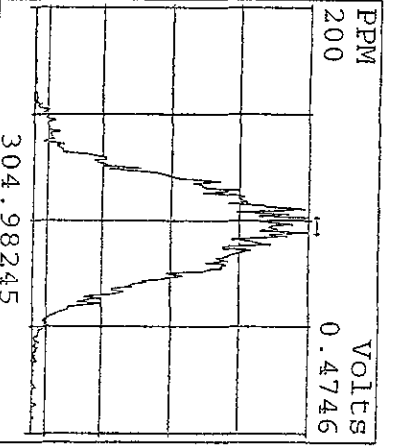
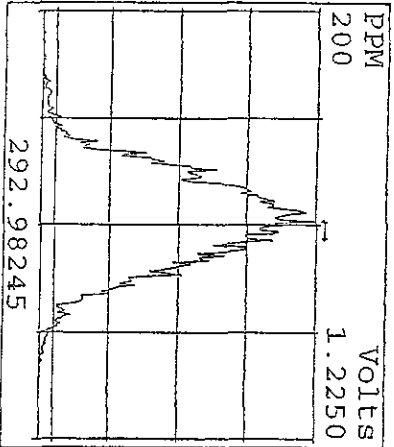
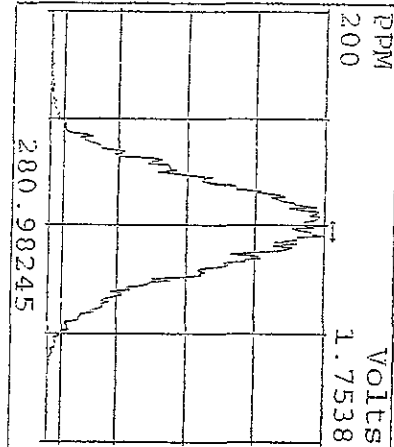
Peak Locate Examination: 4-MAY-2009:12:42 File:02MY099D5  
 Experiment:209DB5 Function:2 Reference:PRK



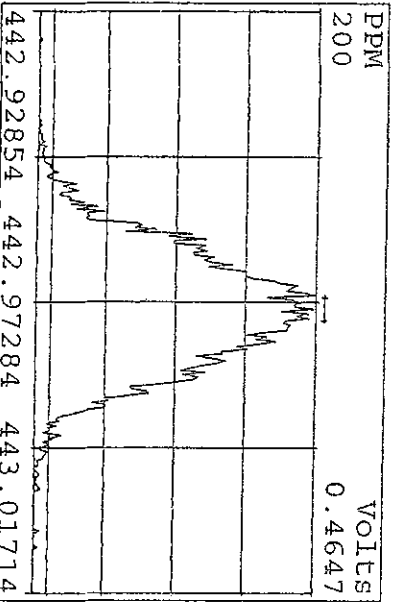
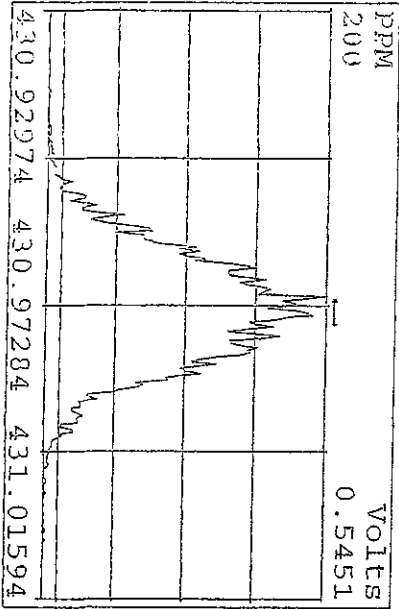
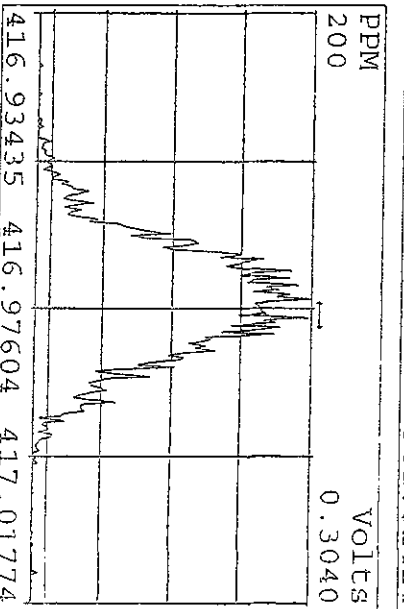
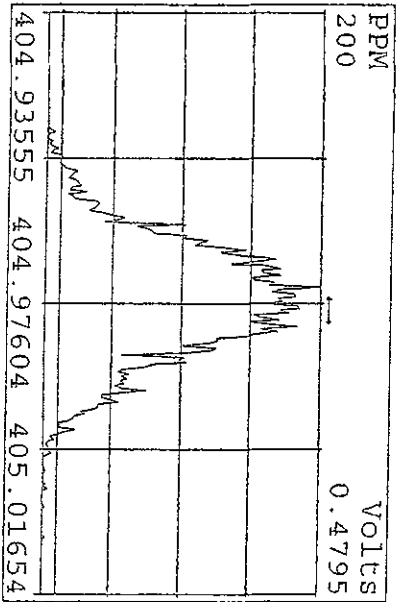
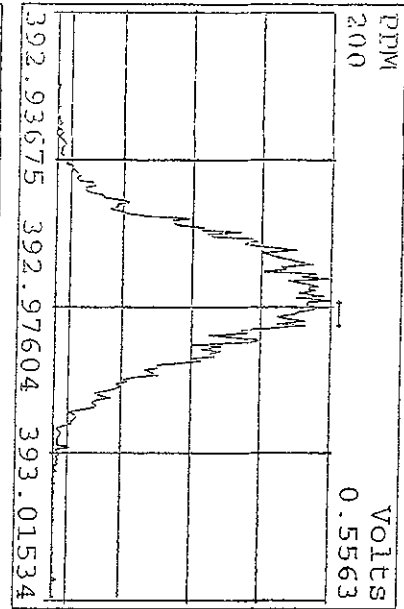
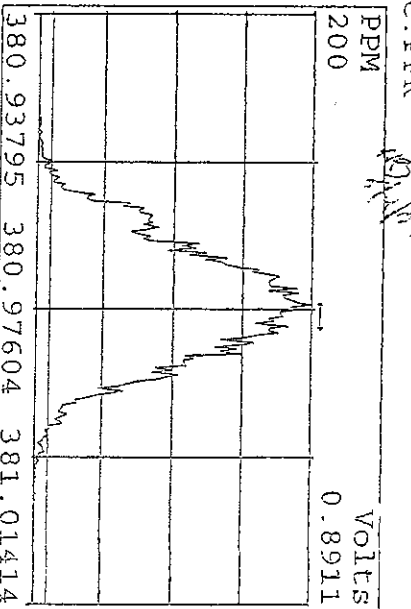
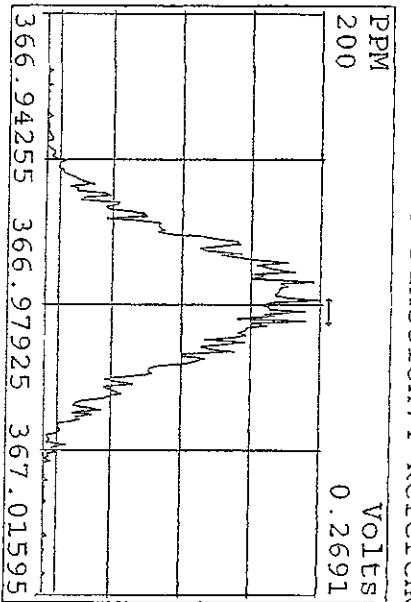
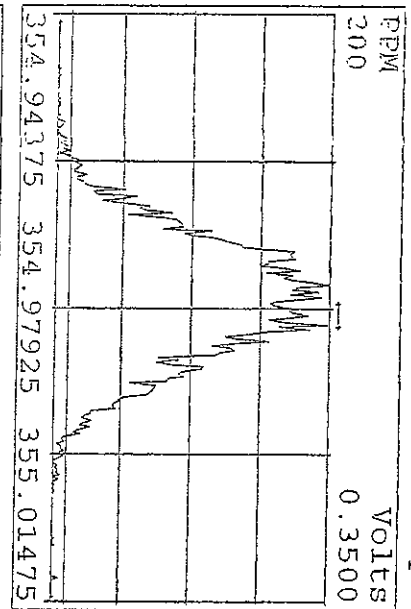
*Handwritten notes:*  
 0.8273  
 2.1306

Peak Locate Examination: 4-MAY-2009:12:42 File: 02MY099D5  
 Experiment: 209DB5 Function: 3 Reference: PFK

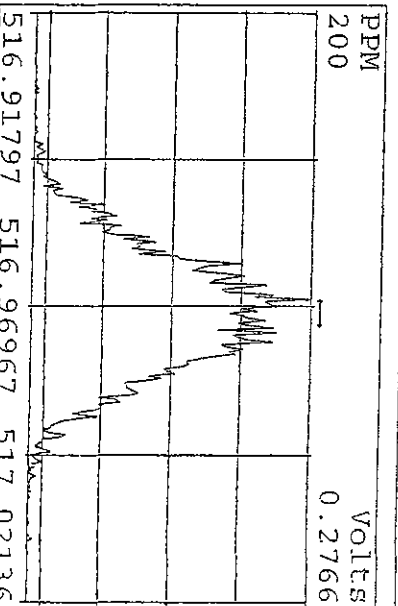
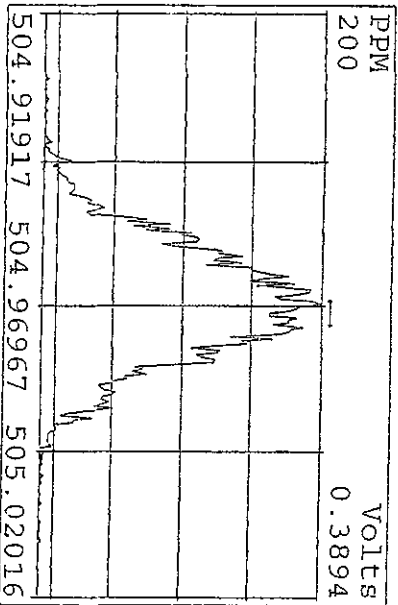
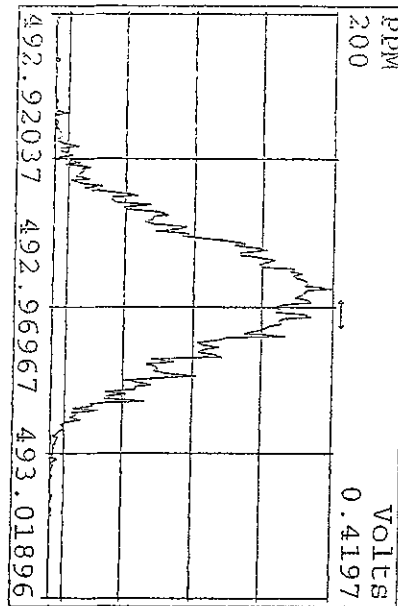
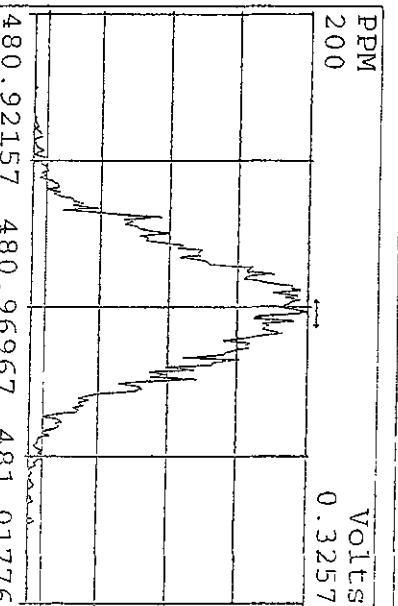
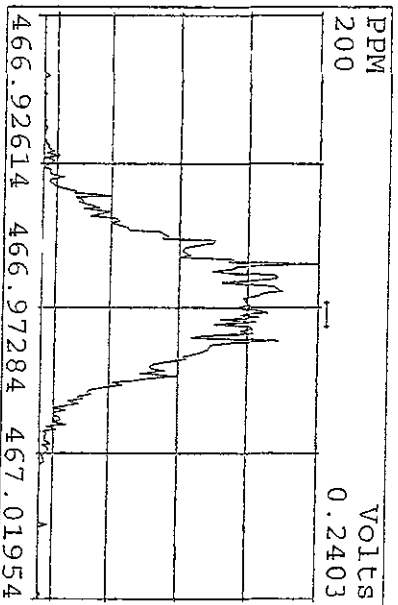
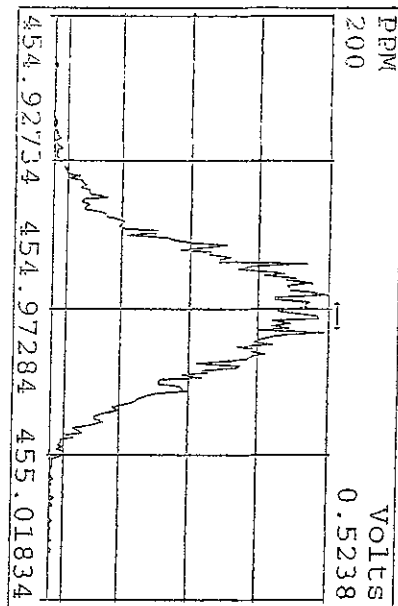
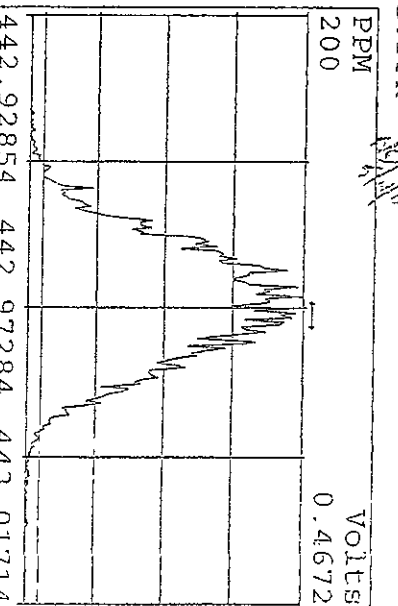
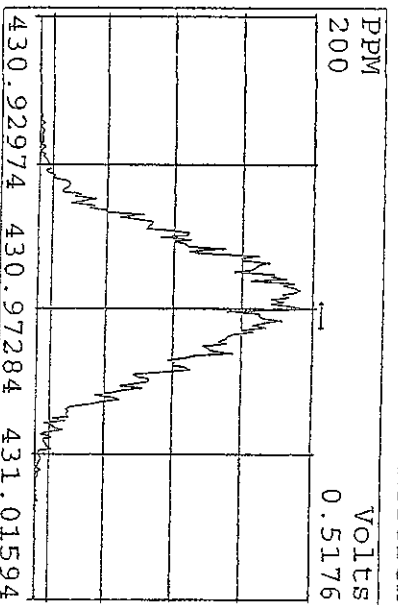
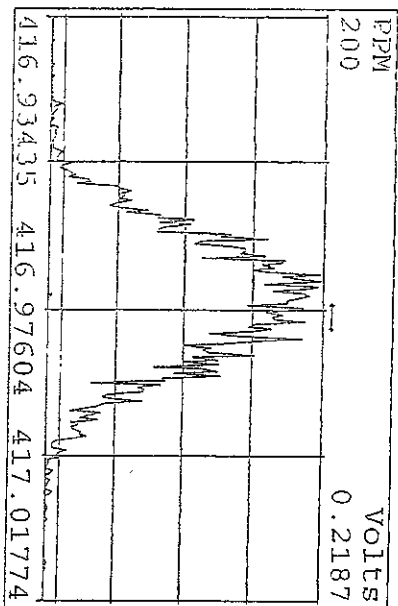
*31*  
*10/5/09*



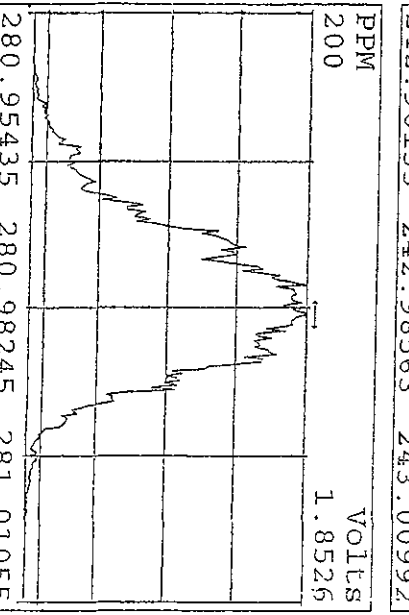
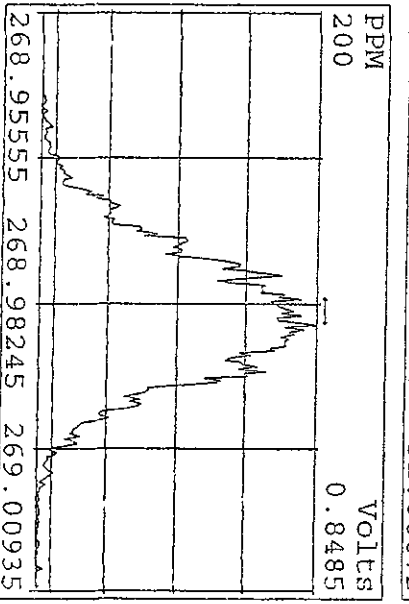
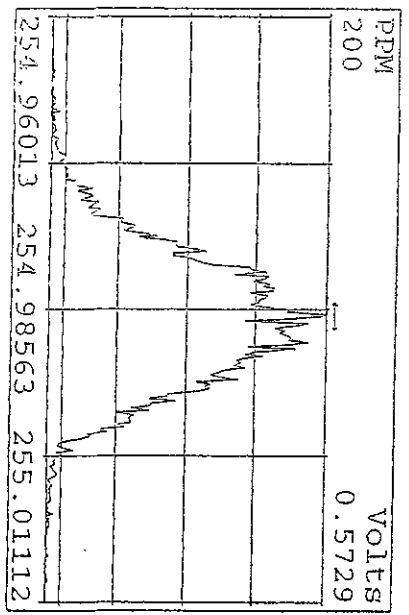
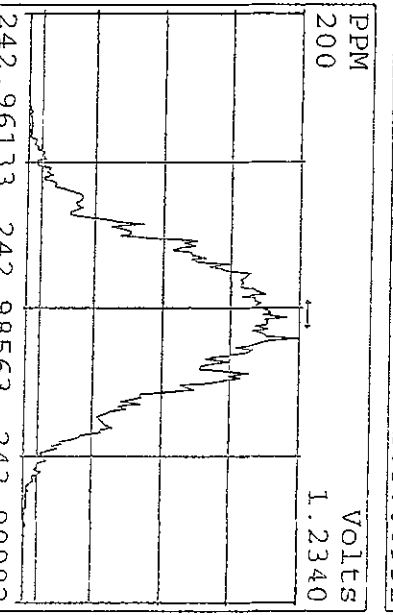
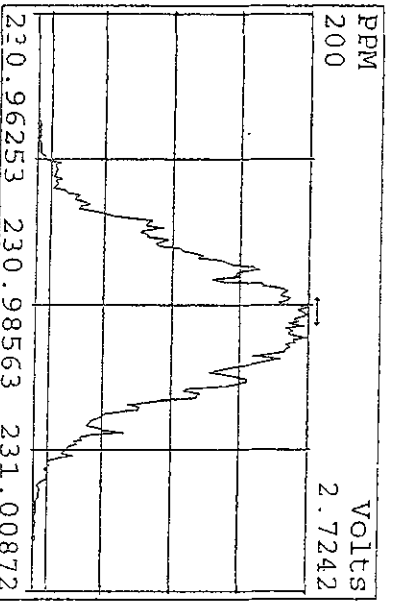
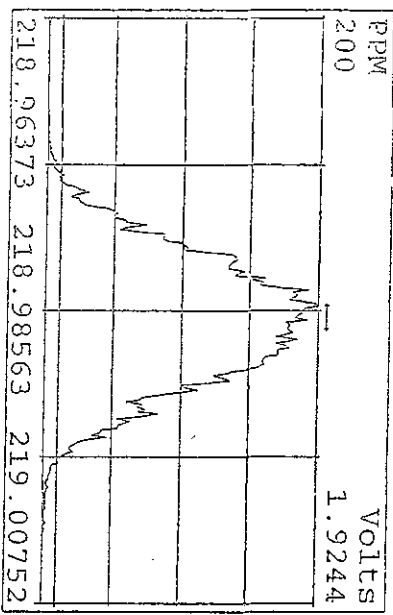
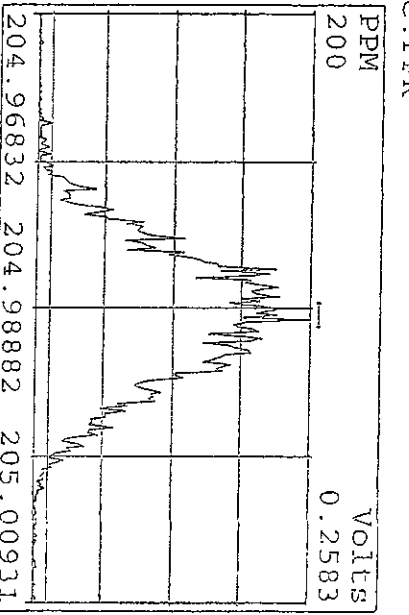
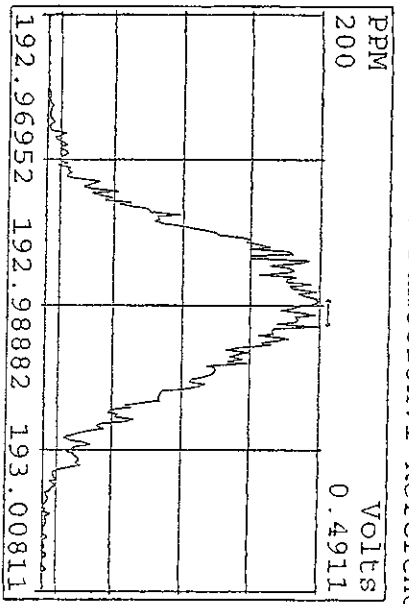
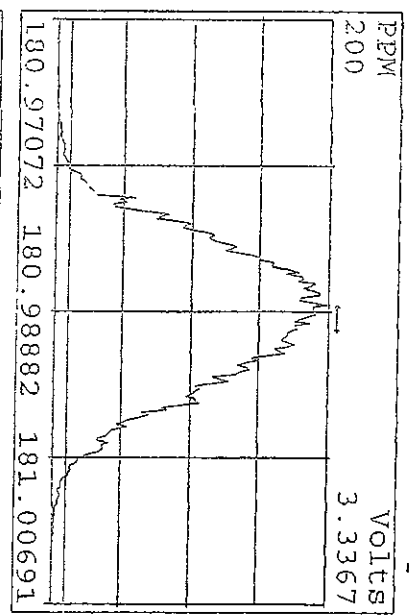
Peak Locate Examination: 4-MAY-2009:12:43 File:62MY099D5  
 Experiment:209DB5 Function:4 Reference:PFK



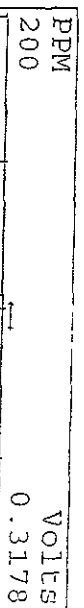
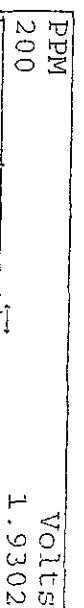
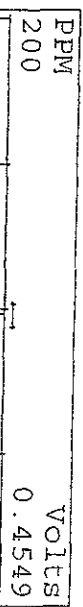
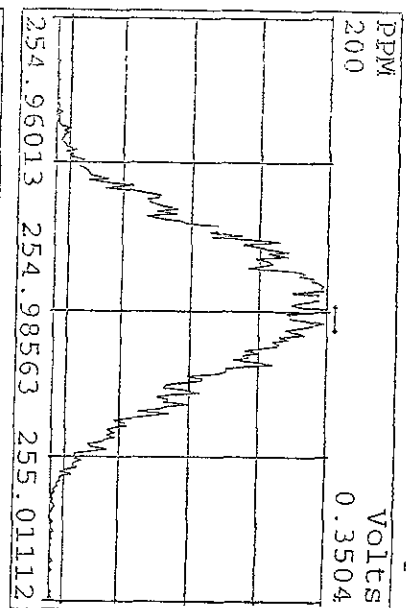
Peak Locate Examination: 4-MAY-2009:12:43 File:02MY099DS  
 Experiment:209DB5 Function:5 Reference:PRK



Peak Locate Examination: 5-MAY-2009:09:34 File:02MY099D5ENDRES  
 Experiment:209DB5 Function:1 Reference:PFK

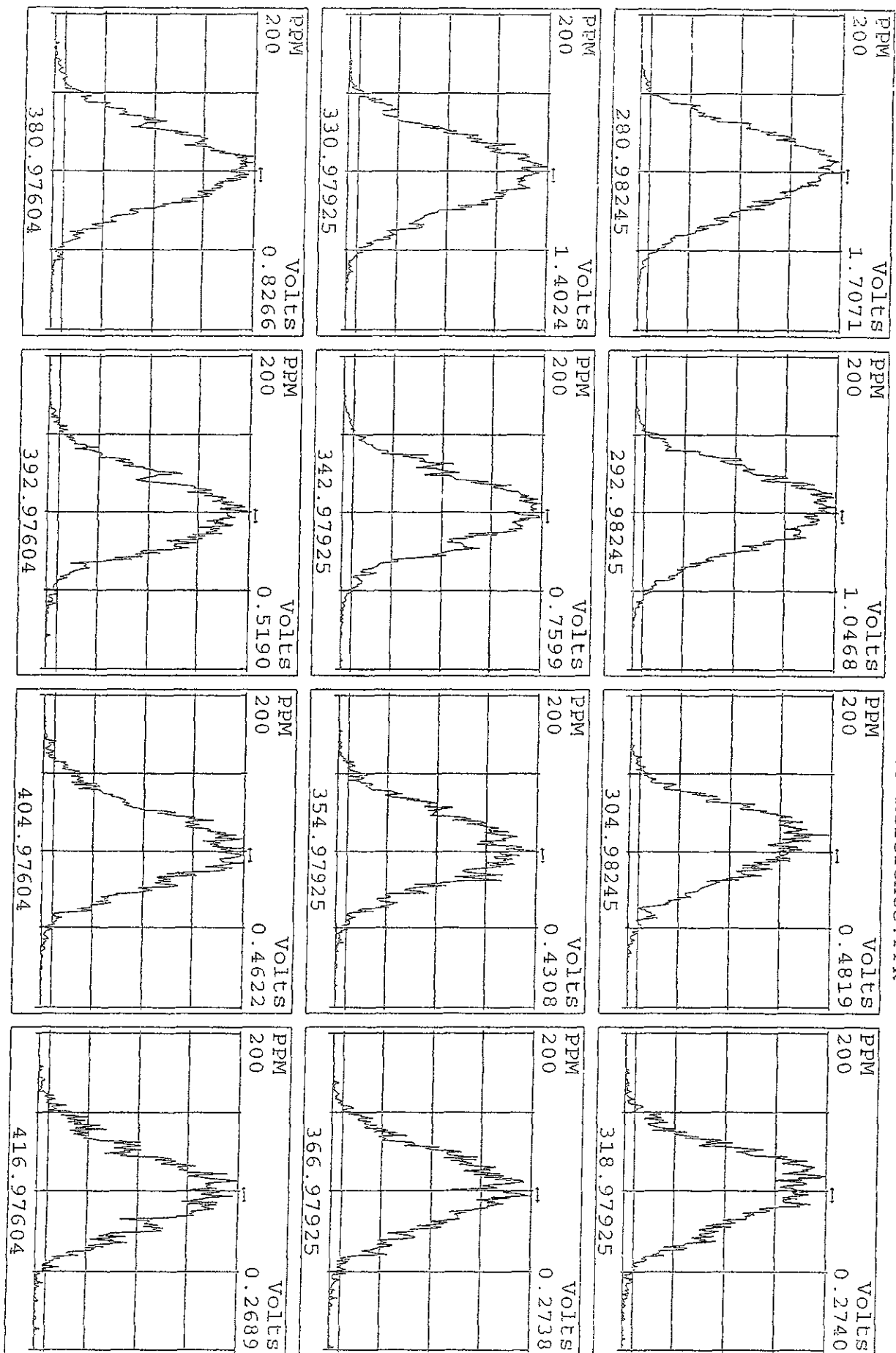


Peak Locate Examination: 5-MAY-2009:09:34 File: 02MY099D5ENDRES  
 Experiment: 209DB5 Function: 2 Reference: PK

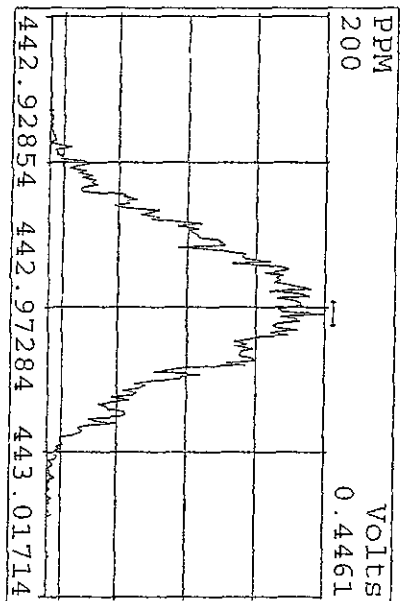
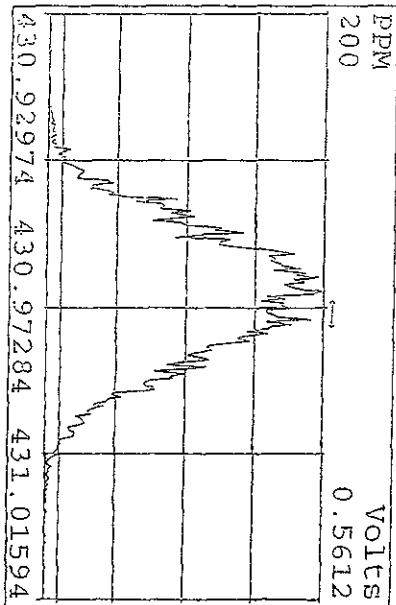
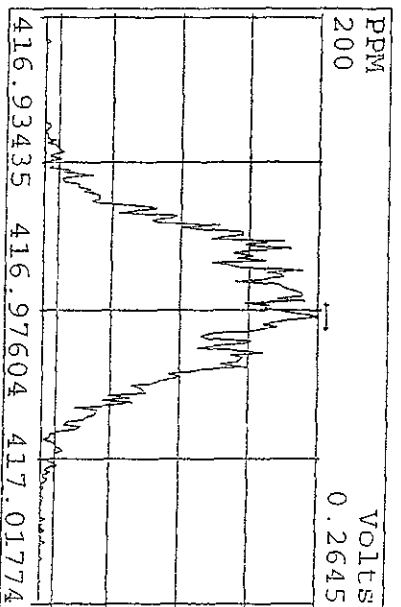
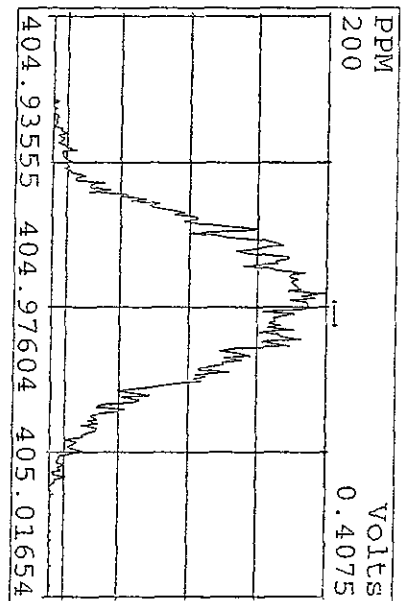
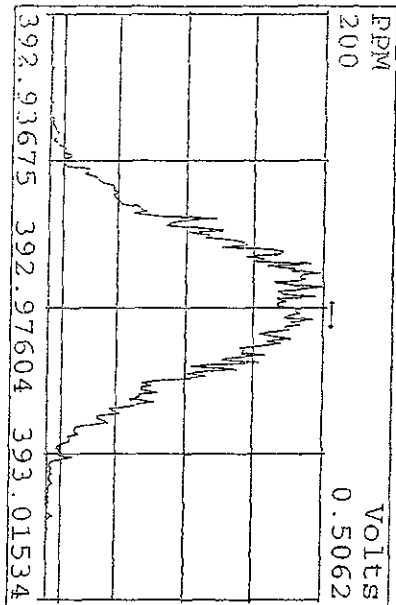
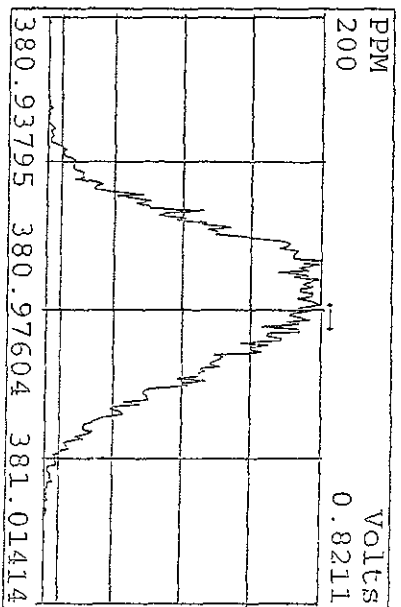
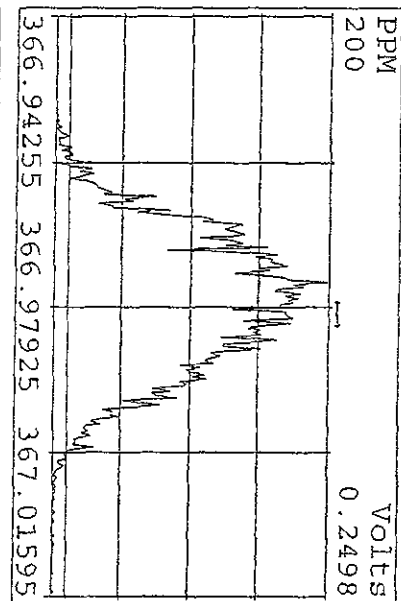
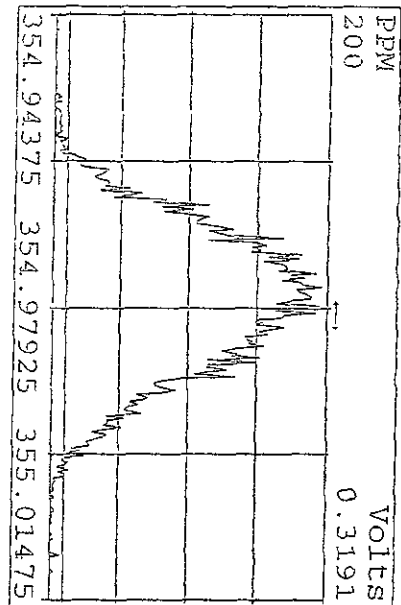




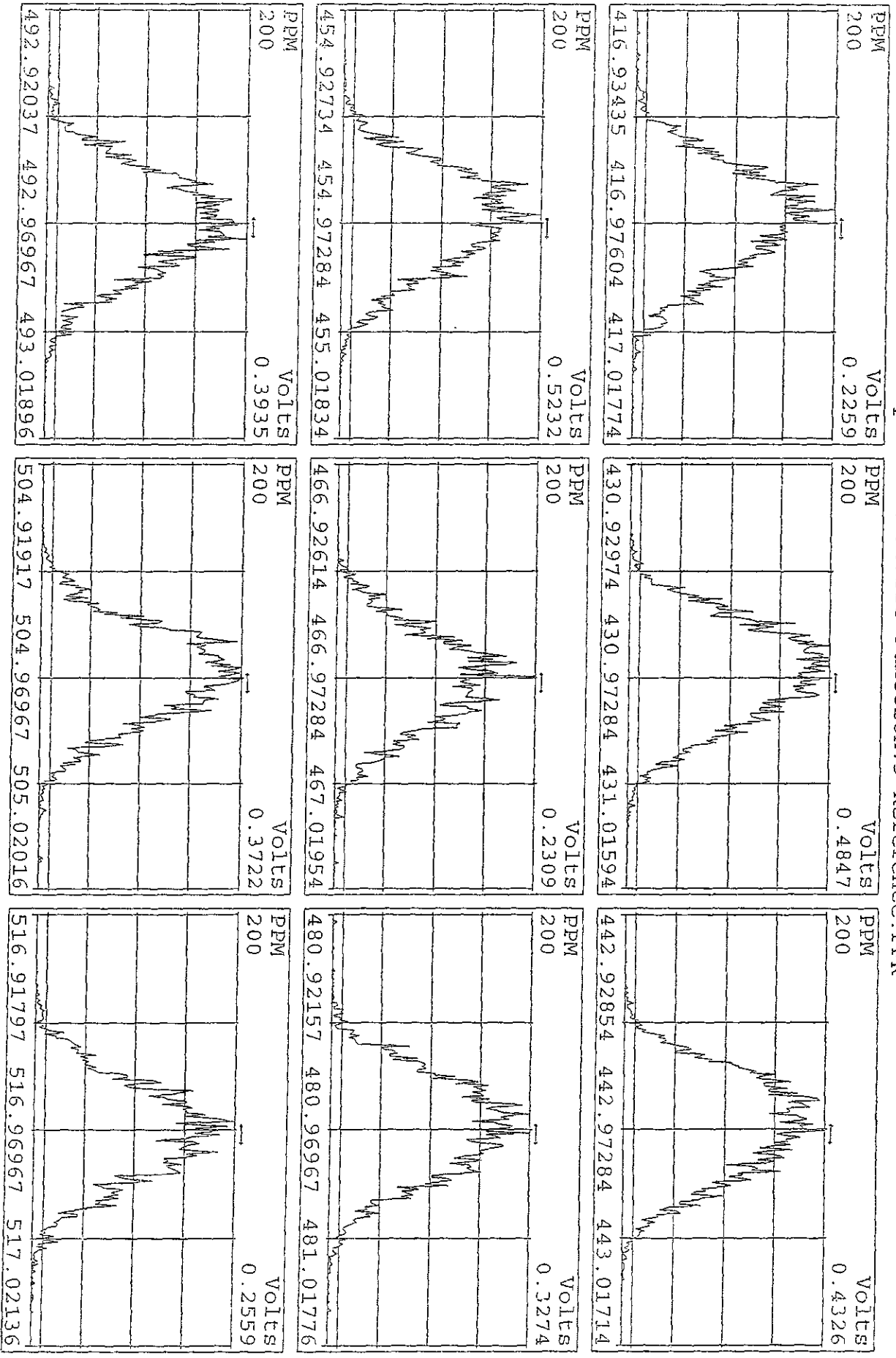
Peak Locate Examination: 5-MAY-2009:09:35 File:02MY099D5ENDRES  
Experiment:209DB5 Function:3 Reference:PFK



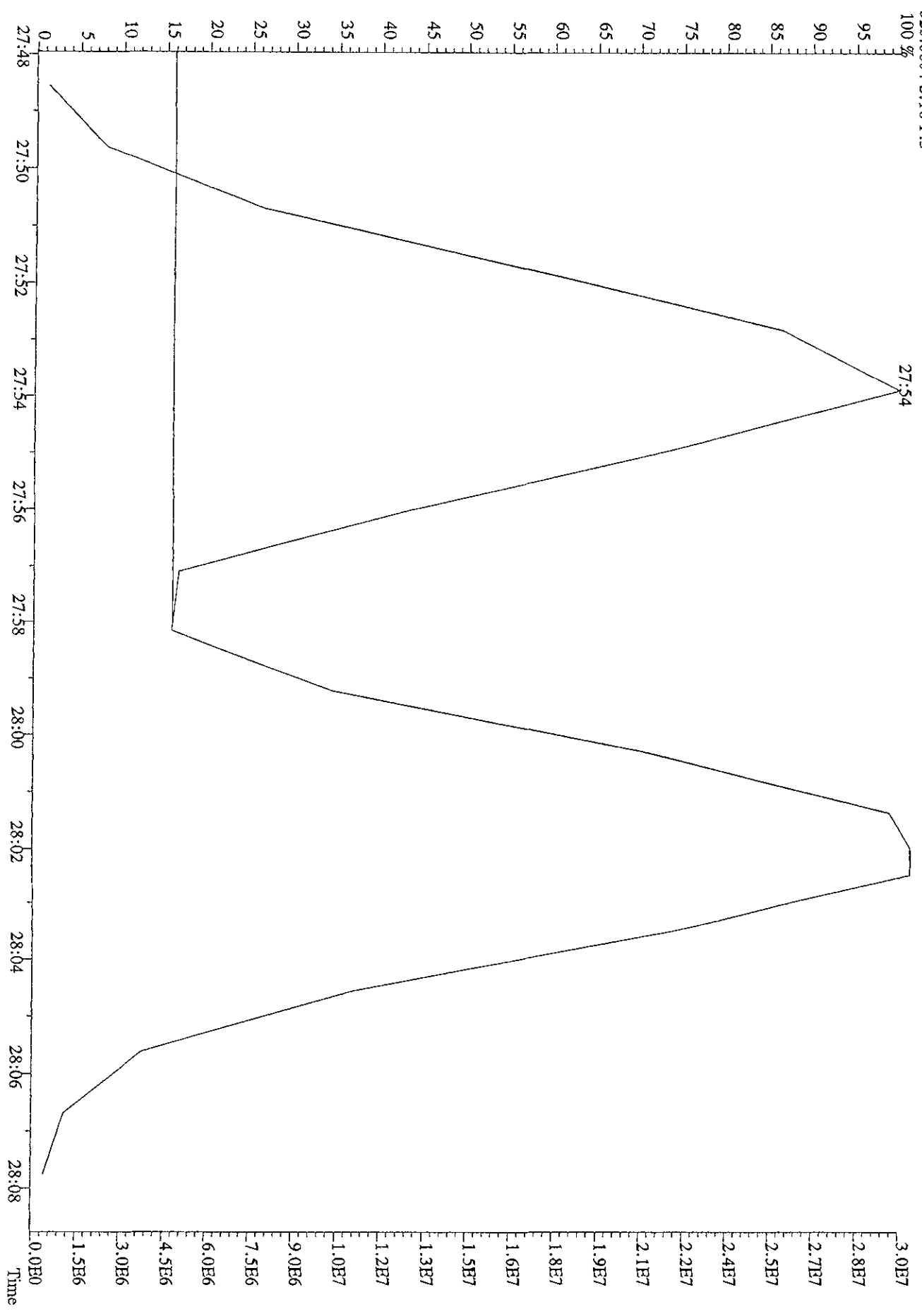
Peak Locate Examination: 5-MAY-2009:09:35 File:02MY099D5ENDRES  
 Experiment:209DB5 Function:4 Reference:PFK



Peak Locate Examination: 5-MAY-2009:09:35 File:02MY099D5FENDRES  
 Experiment:209DB5 Function:5 Reference:PFK



File:04MYY099D5 #1-381 Acq: 5-MAY-2009 01:34:15 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#16 Text:ST0501C :CS3 09DXN016 Exp:209DB5  
 325.8804 S:16 F:3



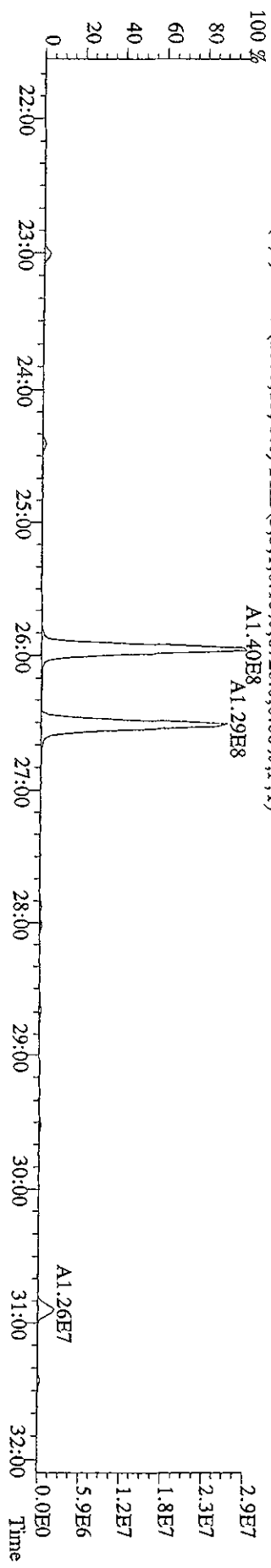
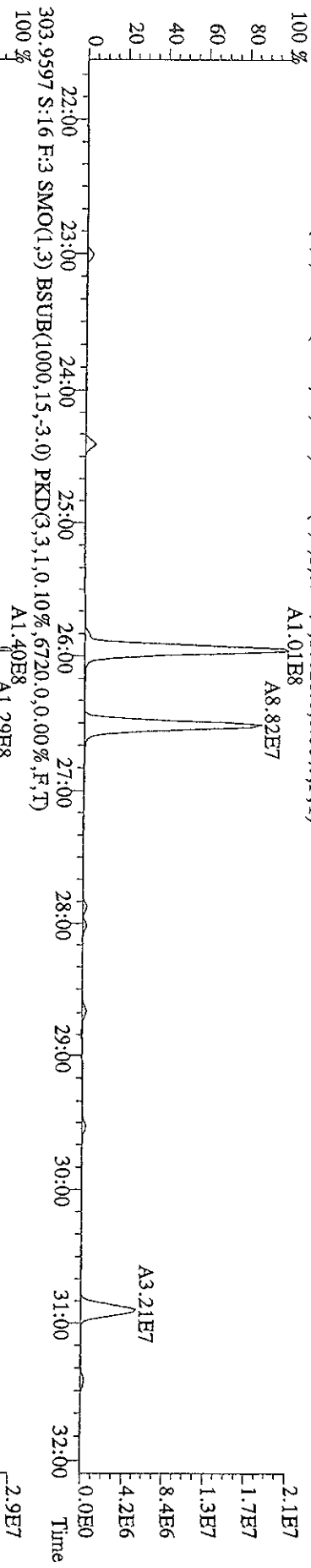
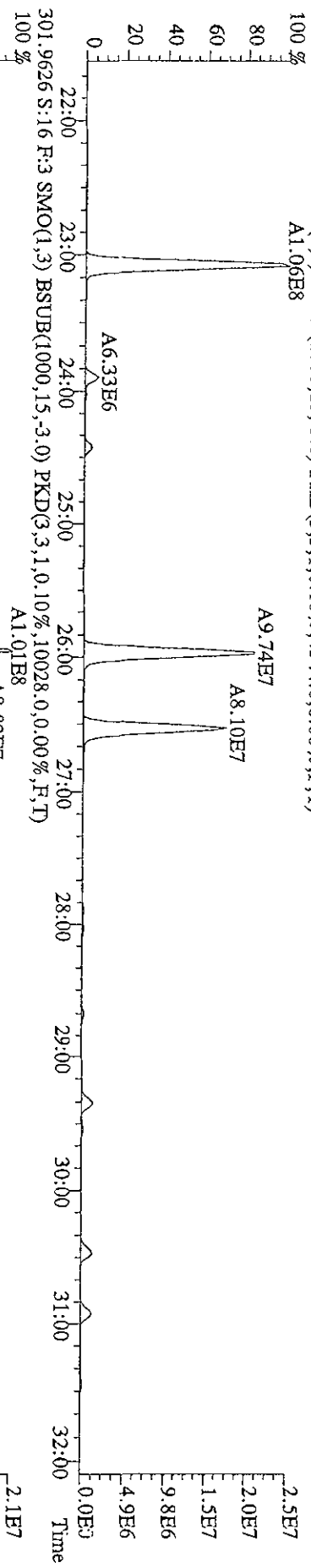
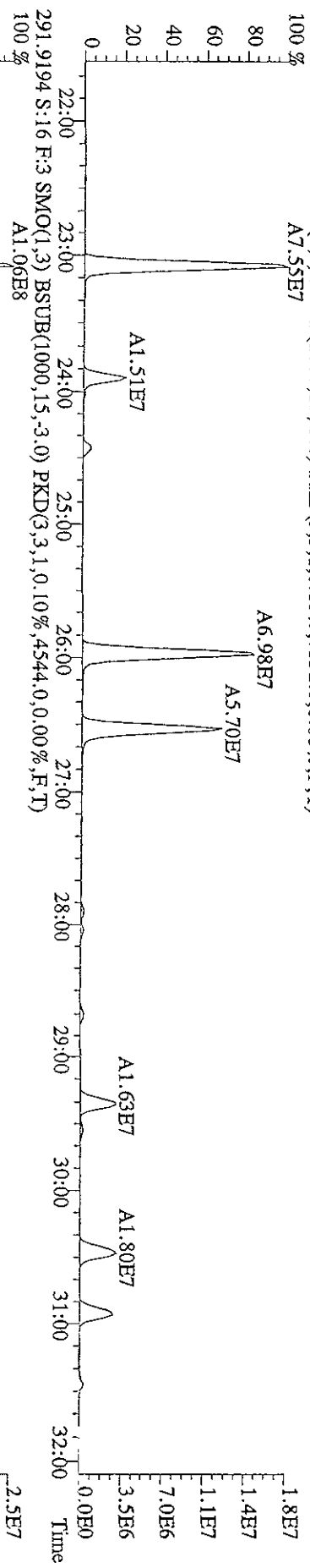
ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

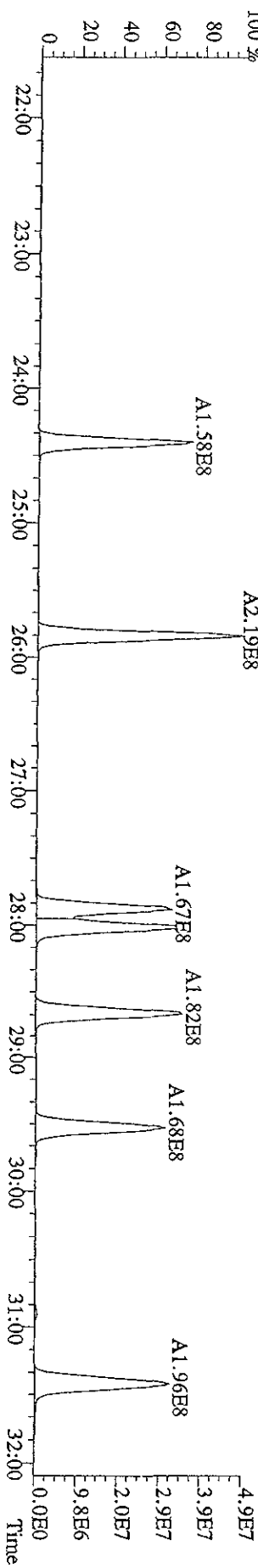
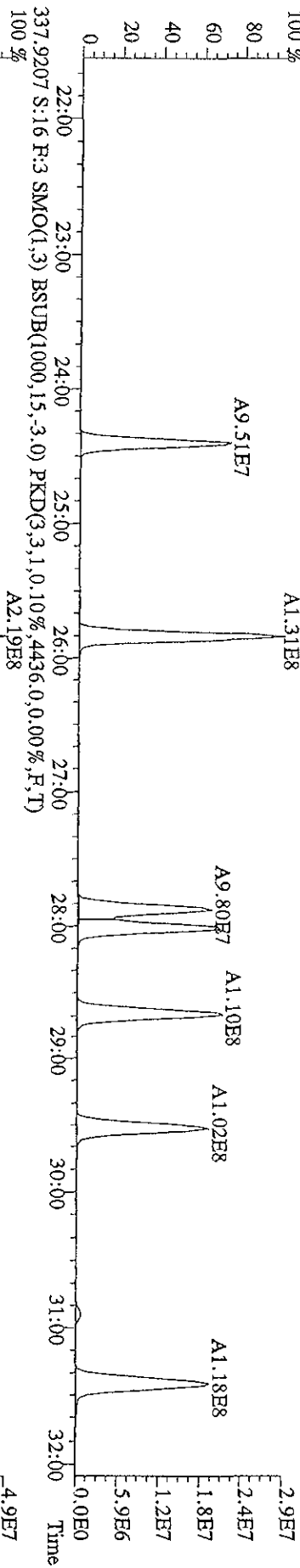
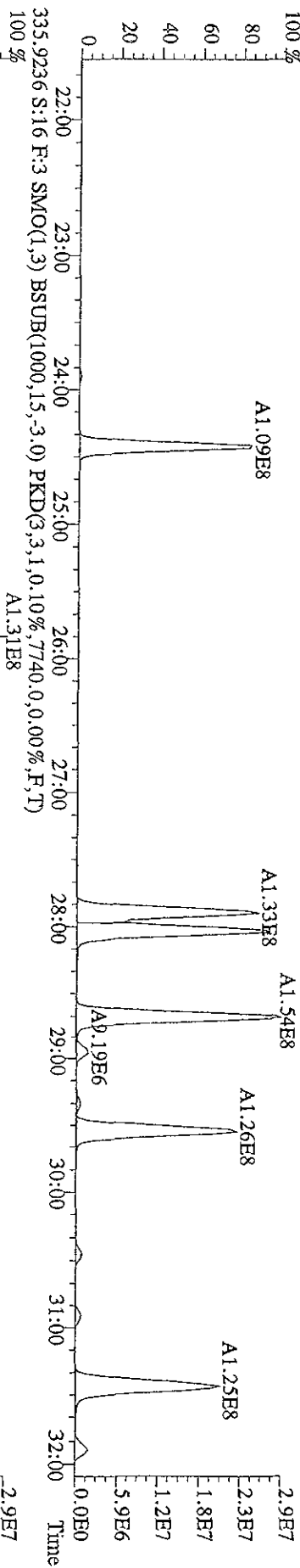
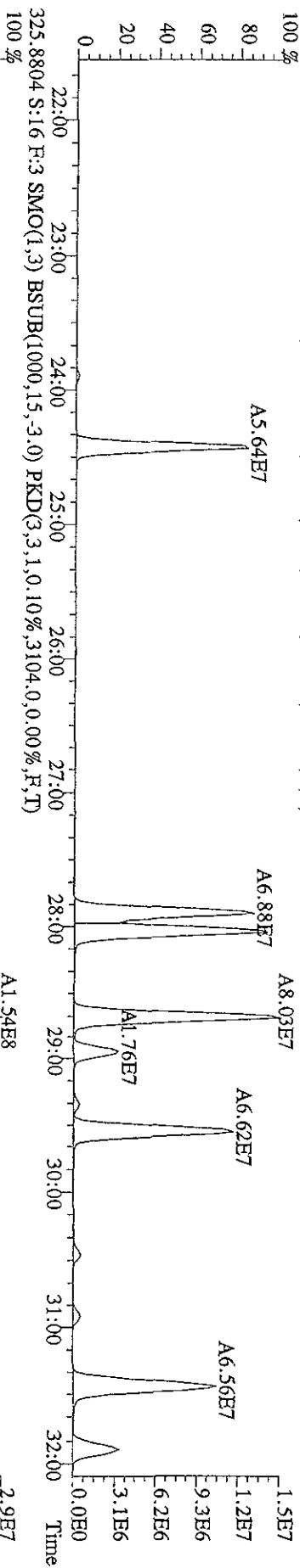
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PecB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PecB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PecB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PecB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PecB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PecB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PecB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PecB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PecB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PecB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

File:04MY099D5 #1-594 Acq: 5-MAY-2009 01:34:15 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#16 Text:ST0501C :CS3 09DXN016 Exp:209DB5  
 289.9224 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7532.0,0.00%,F,T)  
 100% A7.55E7



File:04MAY09D5 #1-594 Acq: 5-MAY-2009 01:34:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#16 Text:ST0501C :CS3 09DXN016 Exp:209DB5  
 323.8834 S:16 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3036,0,0,00%,F,T)

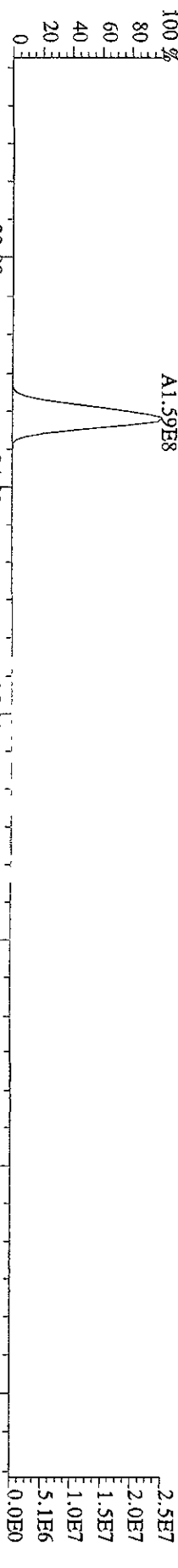




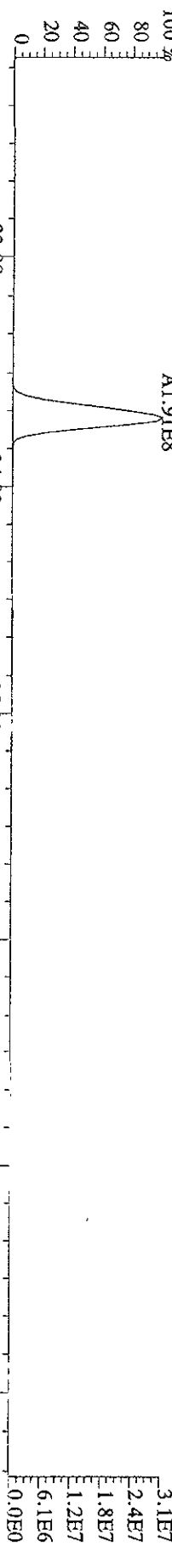
File:04MY099D5 #1-381 Acq: 5-MAY-2009 01:34:15 GC EI+ Voltage SIR Autospec-UltimaB

Sample#16 Text:ST0501C :CS3 09DXN016 Exp:209DB5

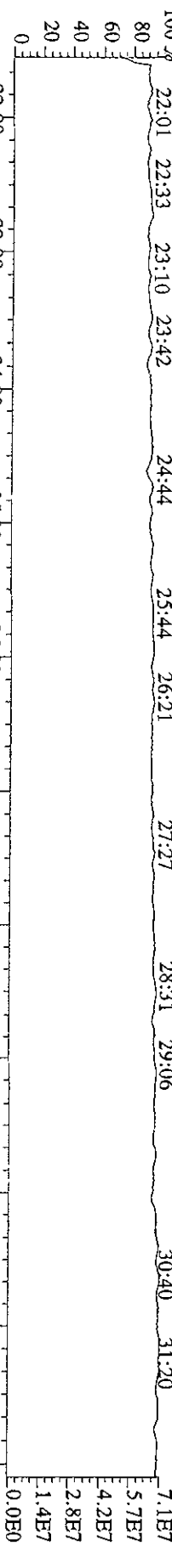
439.8038 S:16 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,388,0,0,00%,F,T)



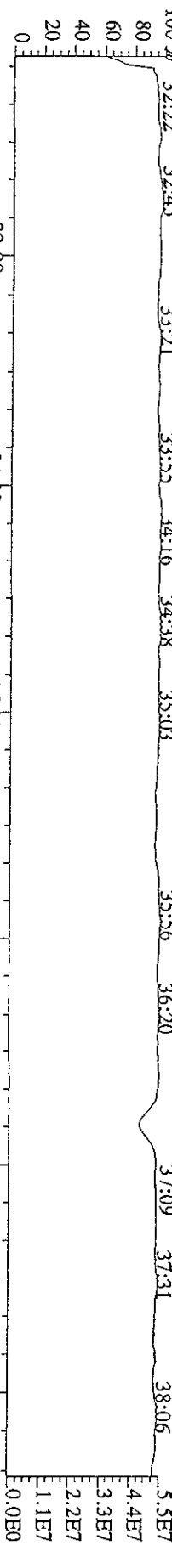
441.8008 S:16 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2940,0,0,00%,F,T)



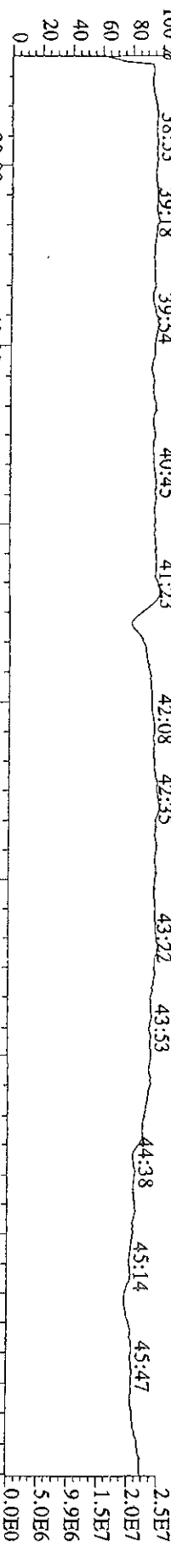
380.9760 S:16 F:3 SMO(1.5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



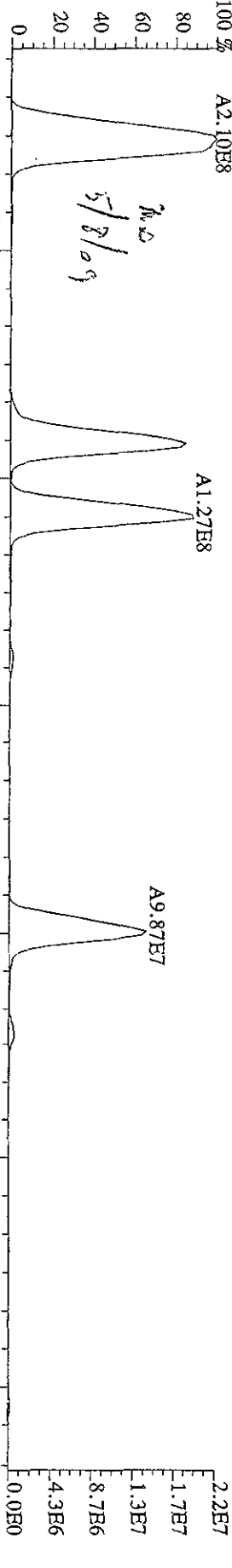
380.9760 S:16 F:4 SMO(1.5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



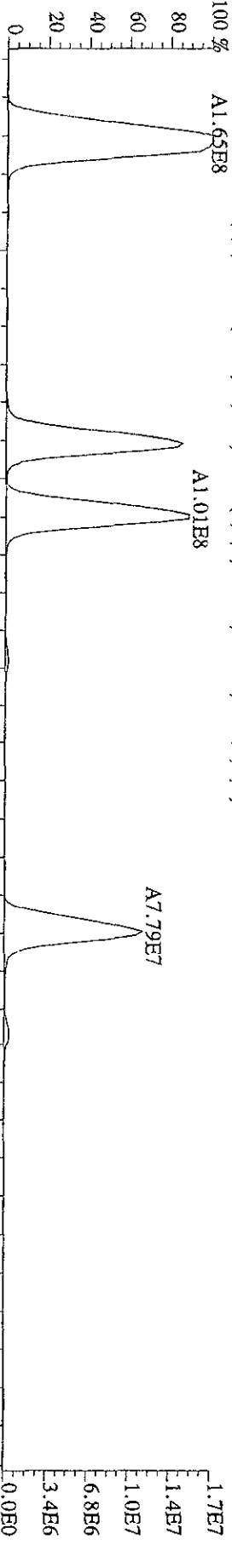
480.9696 S:16 F:5 SMO(1.5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



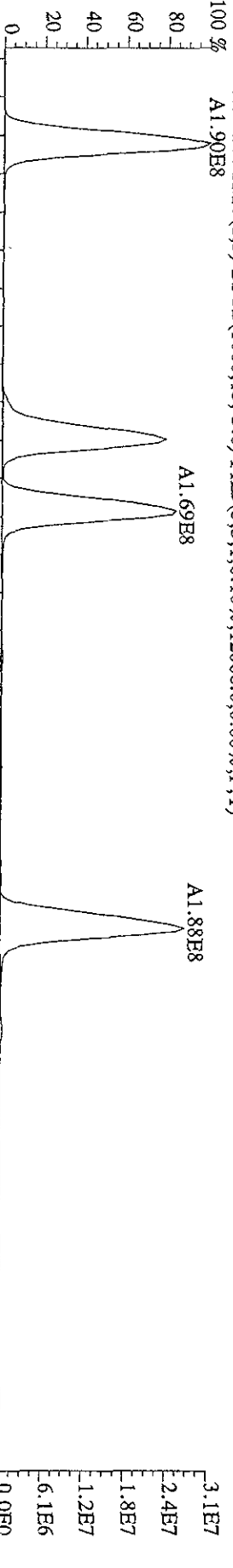
File:04MY099D5 #1-381 Acq: 5-MAY-2009 01:34:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#16 Text:ST0501C :CS3 09DXN016 Exp:209DB5  
 359.8415 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,10700.0,0.00%,F,T)  
 100% A2.10E8



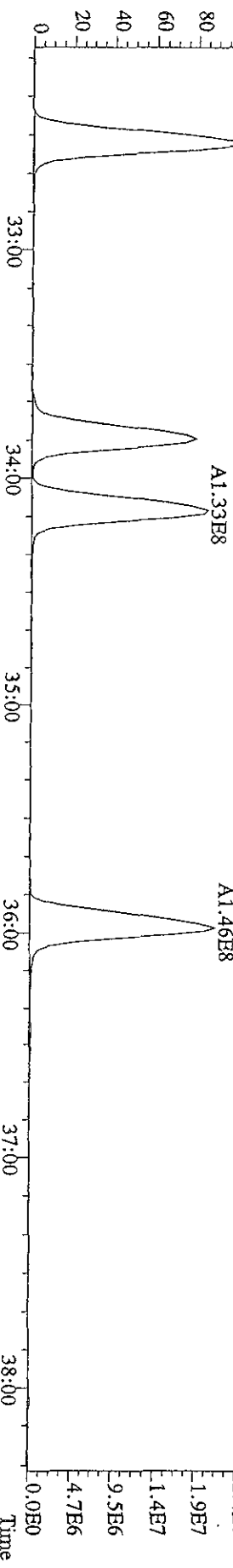
361.8385 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7024.0,0.00%,F,T)  
 100% A1.65E8



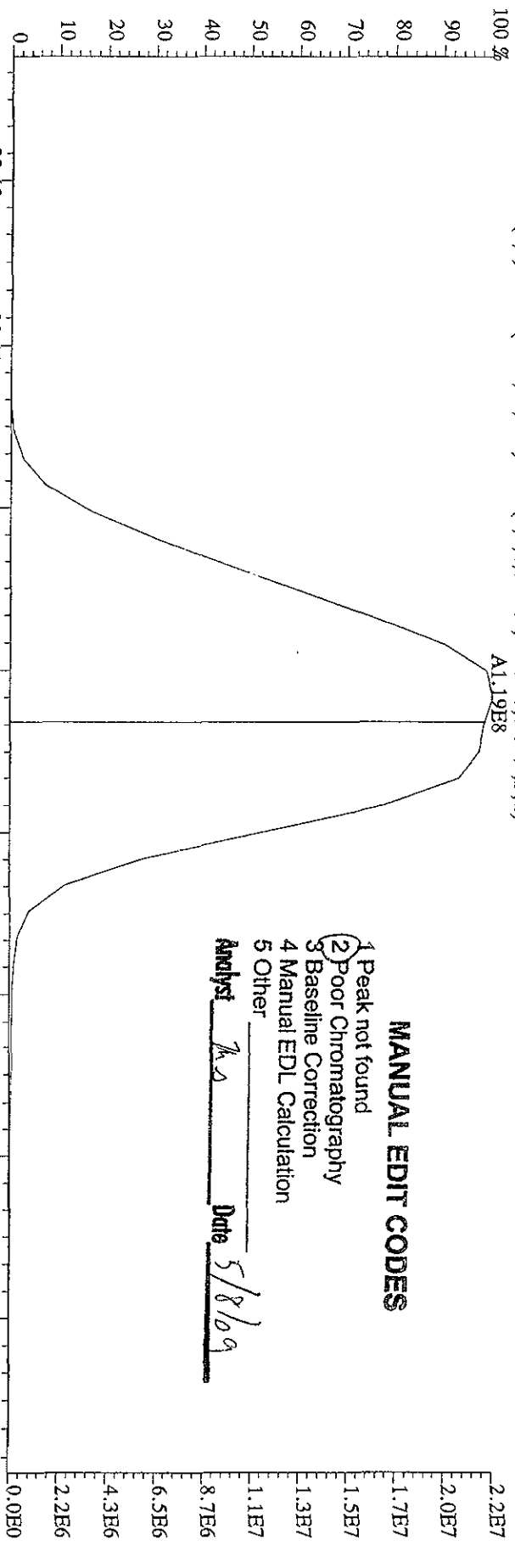
371.8817 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,12088.0,0.00%,F,T)  
 100% A1.90E8



373.8788 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,10164.0,0.00%,F,T)  
 100% A1.48E8



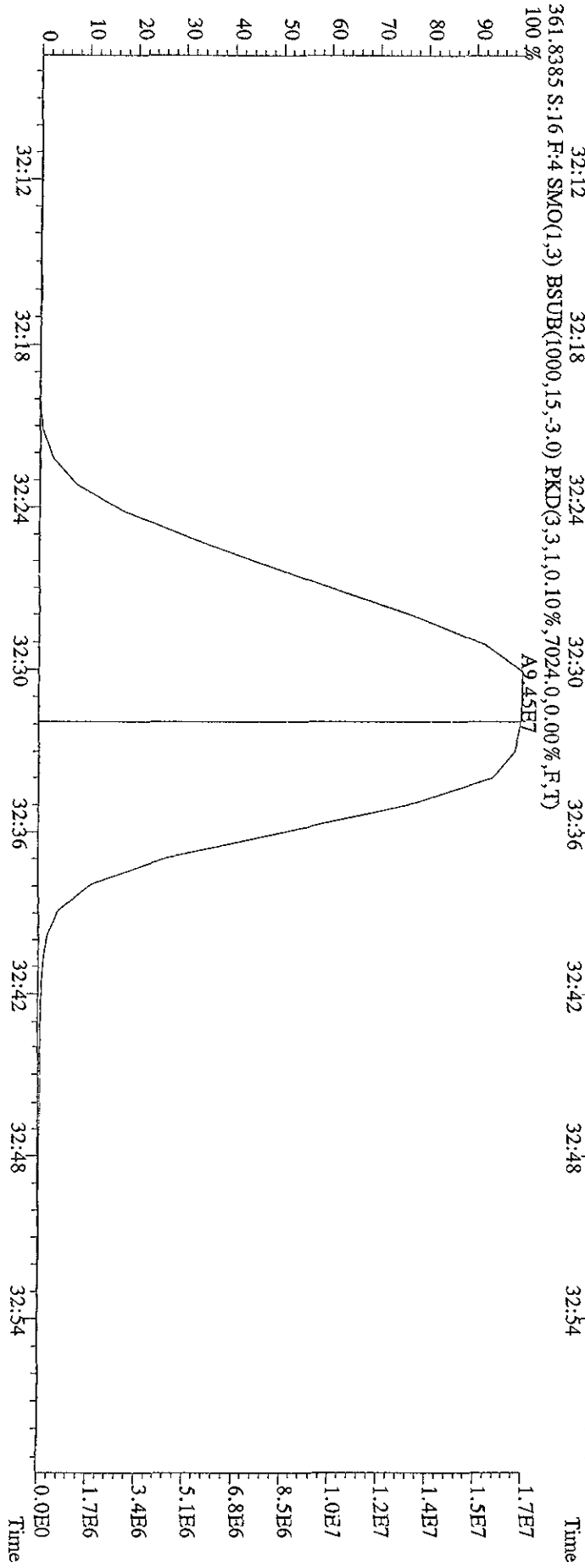
File:04MAY099D5 #1-381 Acq: 5-MAY-2009 01:34:15 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#16 Text:ST0501C :CS3 09DXN016 Exp:209DB5  
 359.8415 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,10700,0,0.00%,F,T)  
 100%



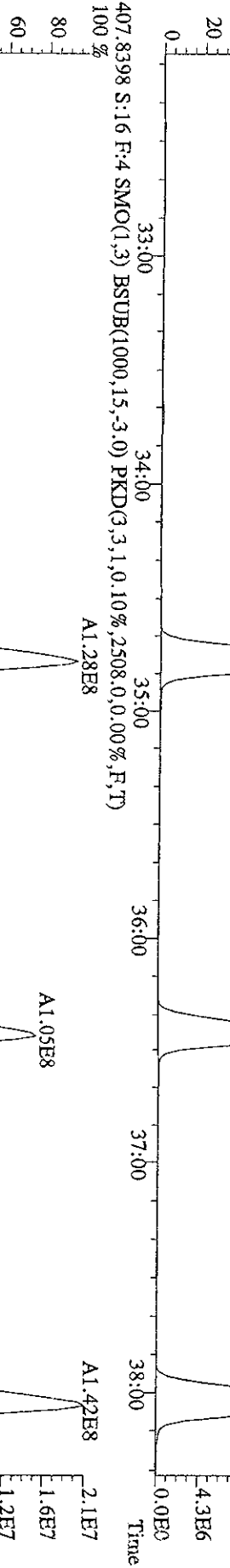
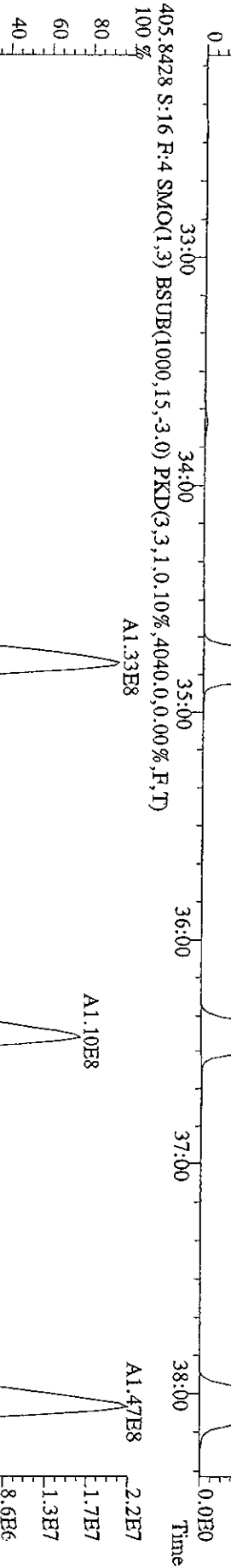
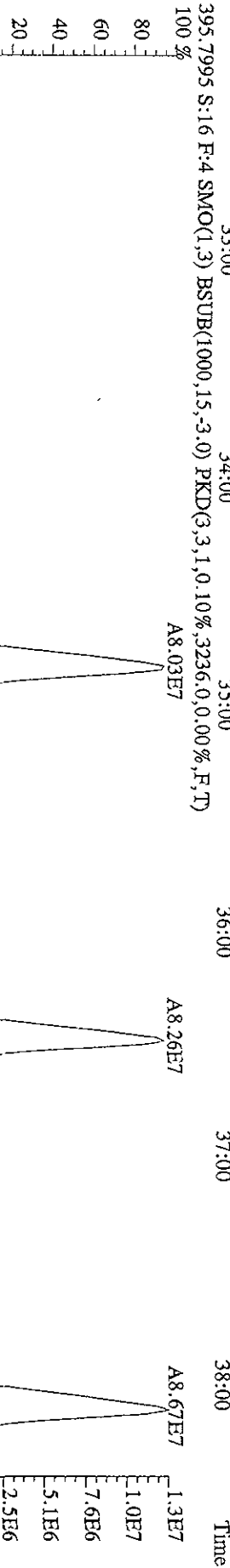
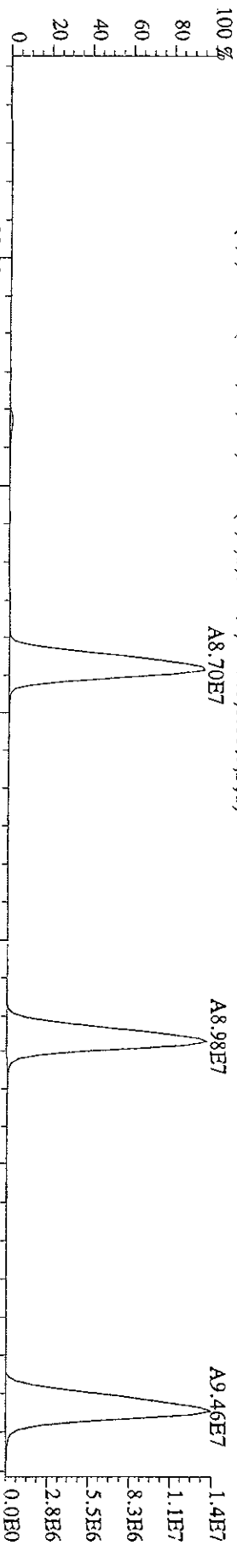
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

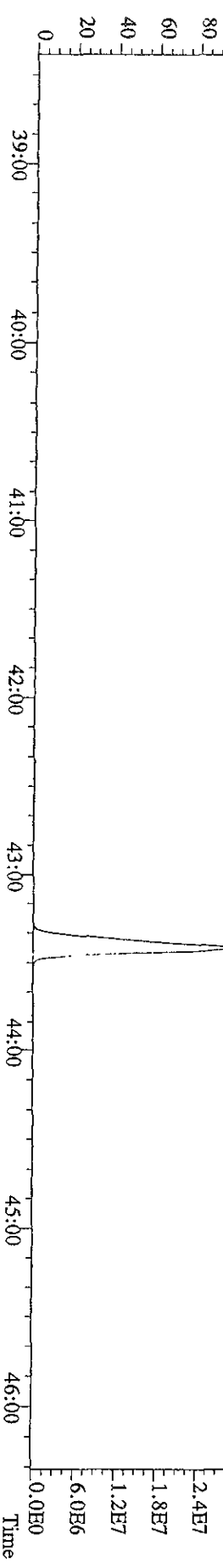
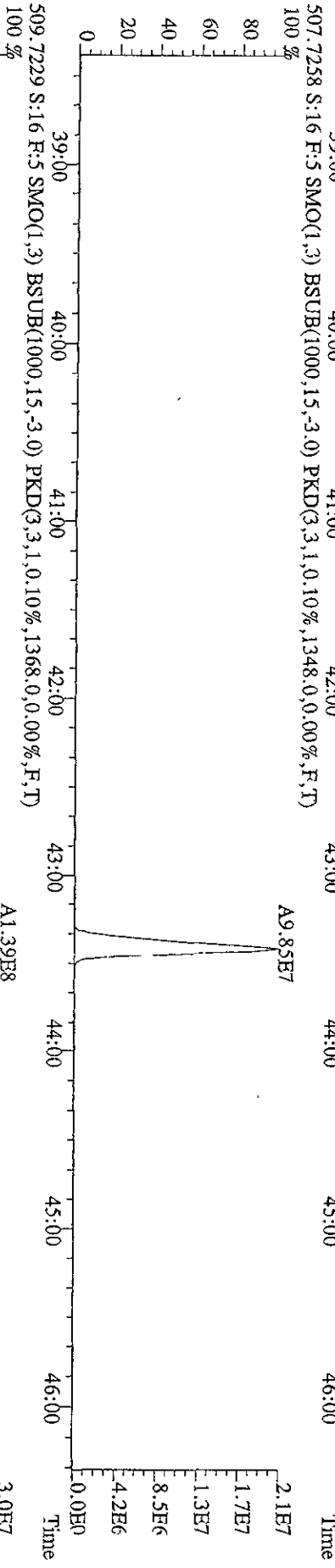
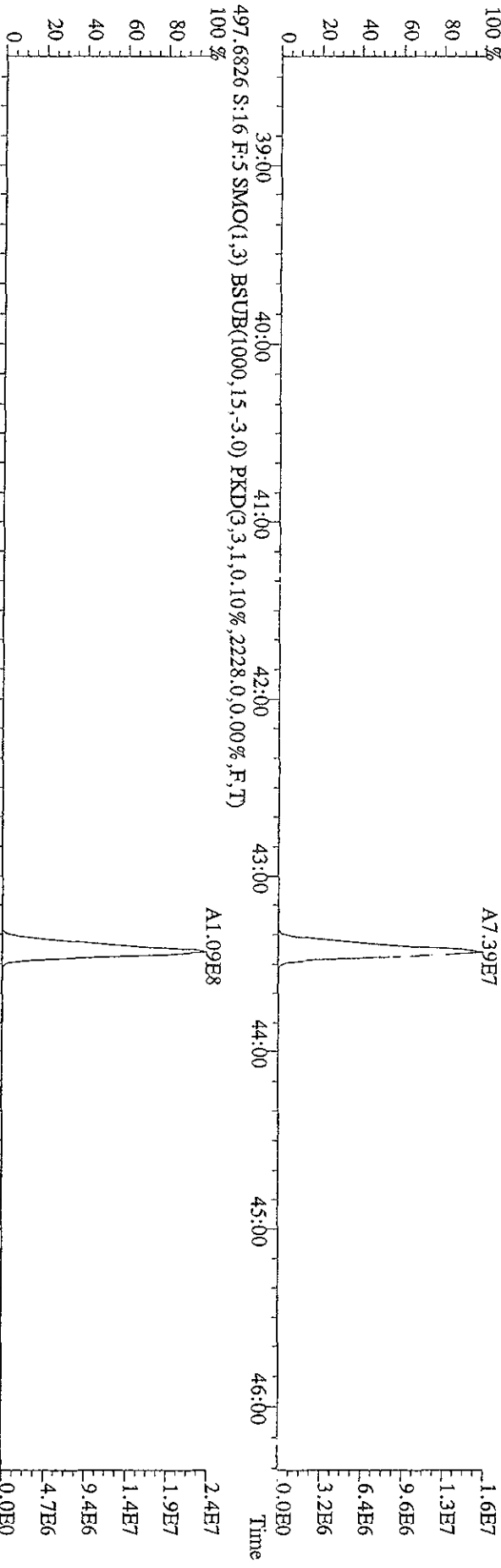
Analyst Ms Date 5/8/09



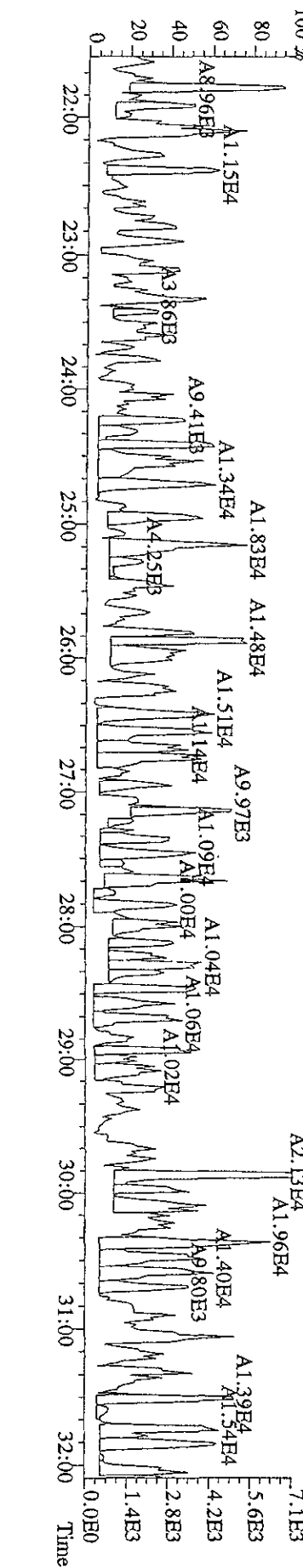
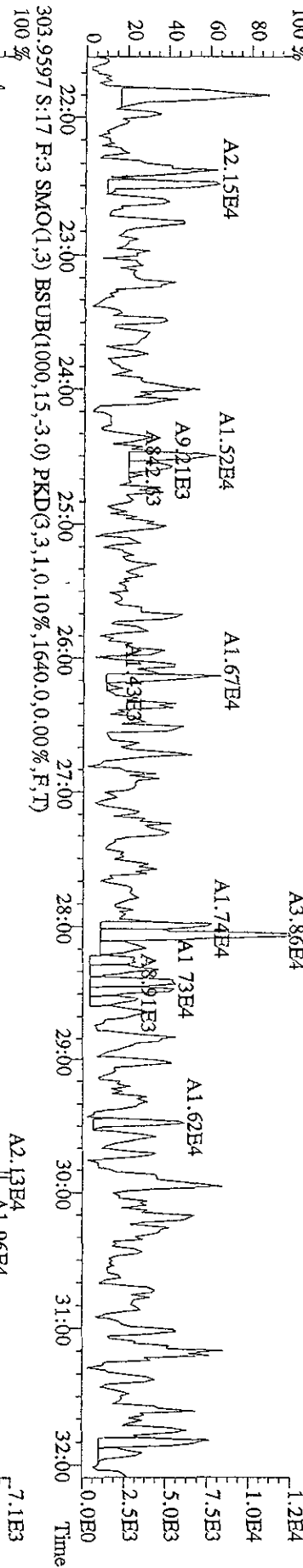
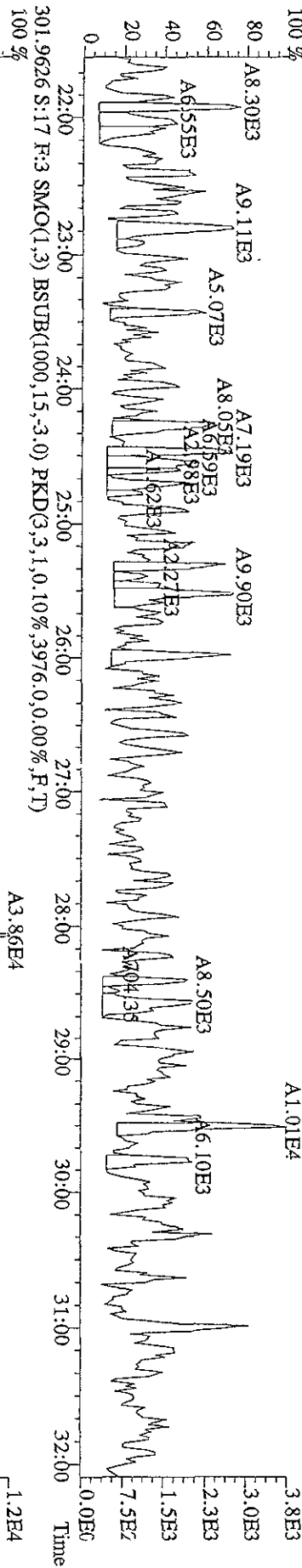
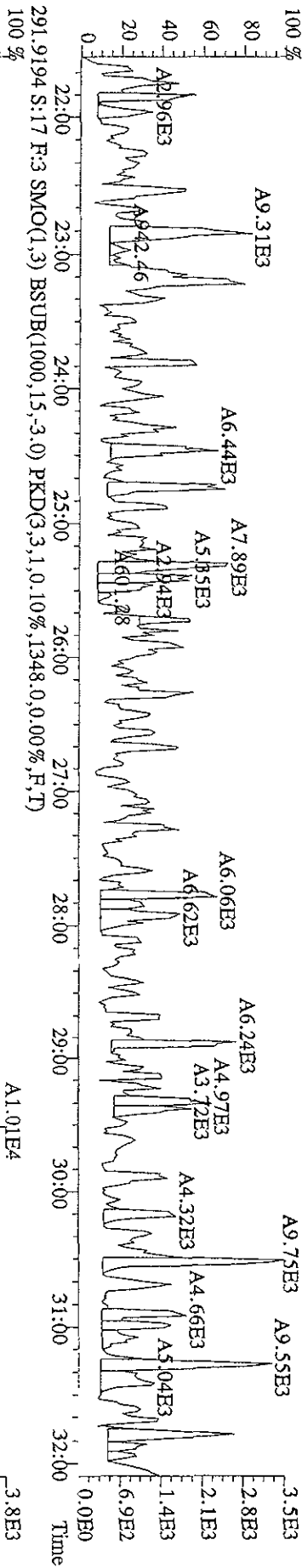
File:04MAY099D5 #1-381 Acq: 5-MAY-2009 01:34:15 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#16 Text:ST0501C :CS3 09DXN016 Exp:209DB5  
 393.8025 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5532.0,0.00%,F,T)  
 100 %



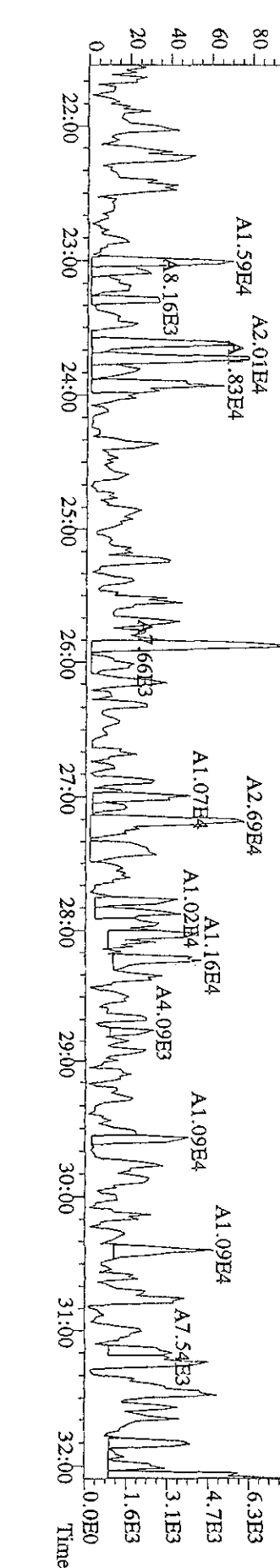
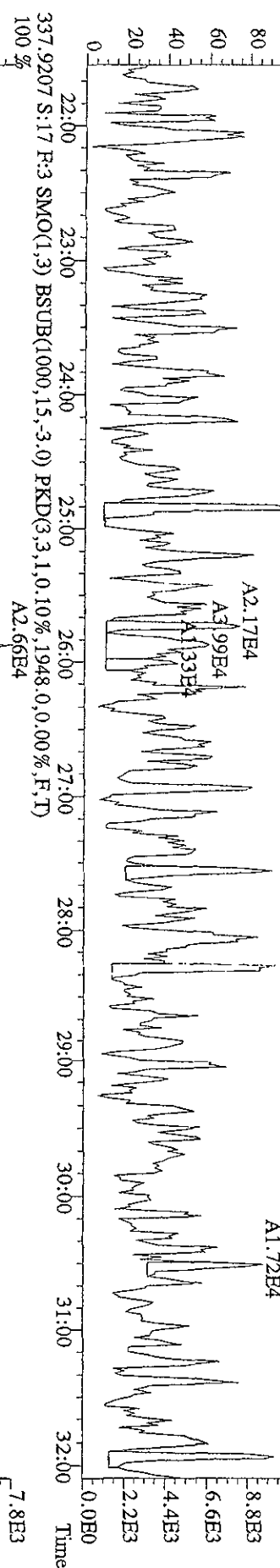
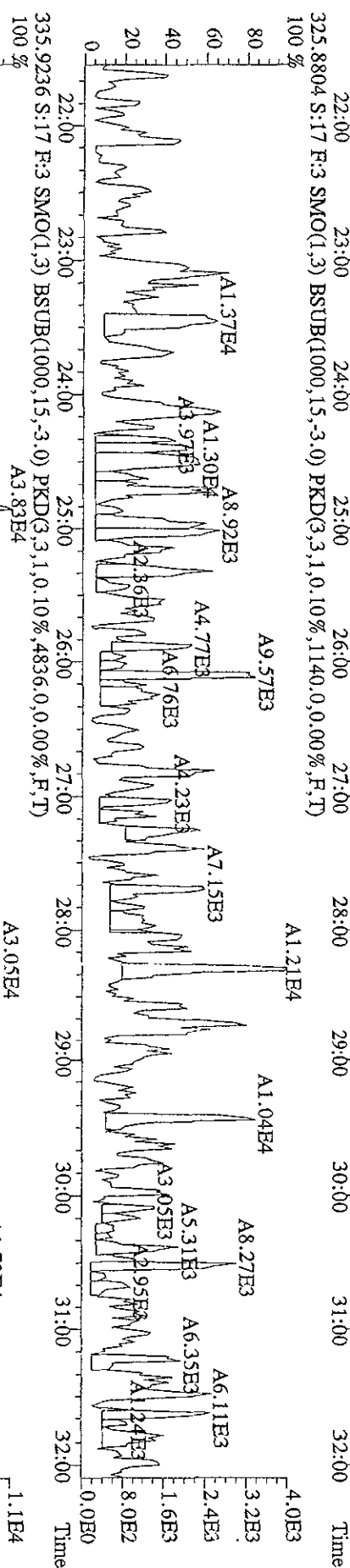
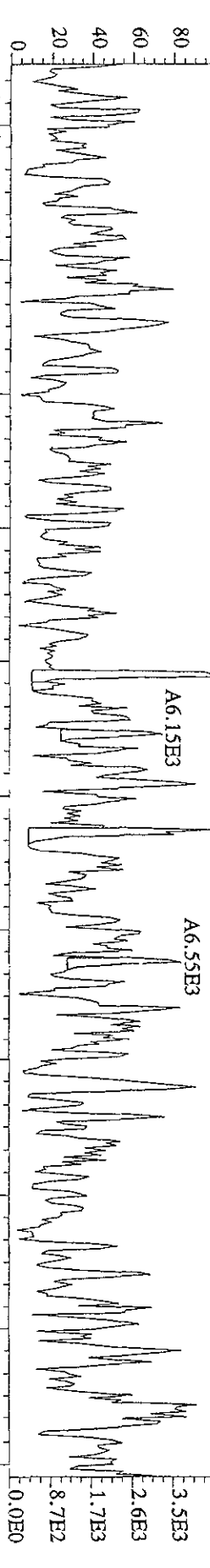
File:04MY099D5 #1-529 Acq: 5-MAY-2009 01:34:15 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#16 Text:ST10501C :CS3 09DXN016 Exp:209DB5  
 497.6826 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2228.0,0.00%,F,T)  
 100 %

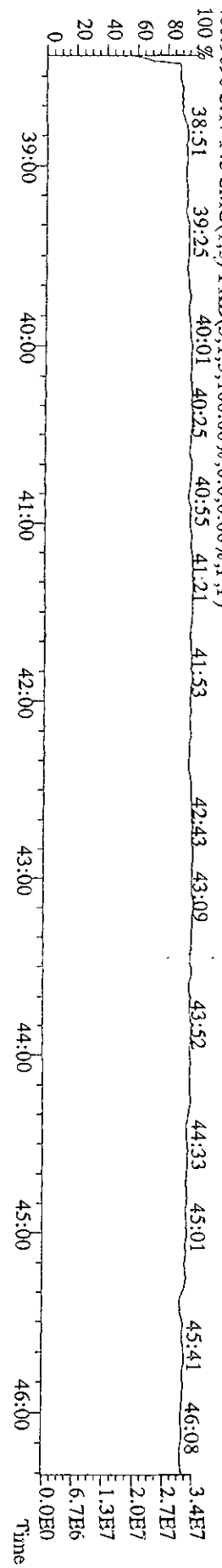
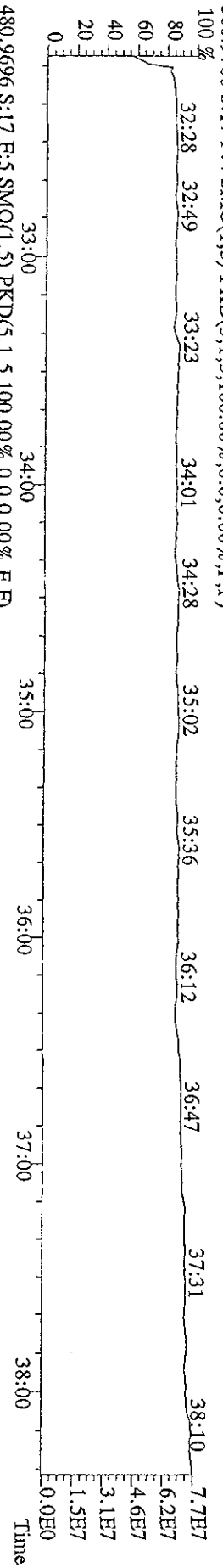
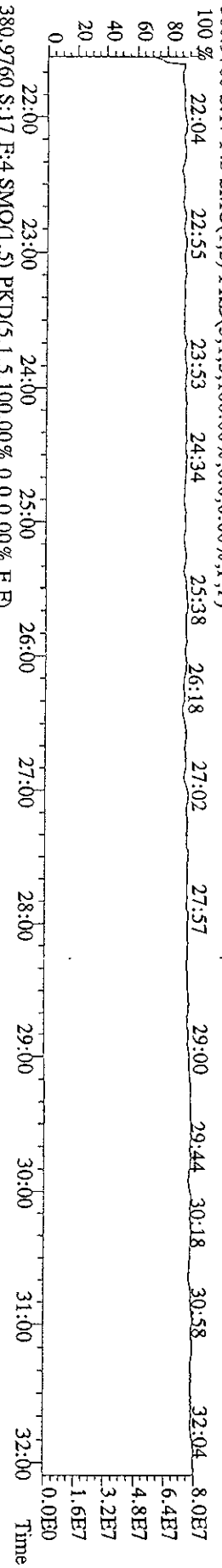
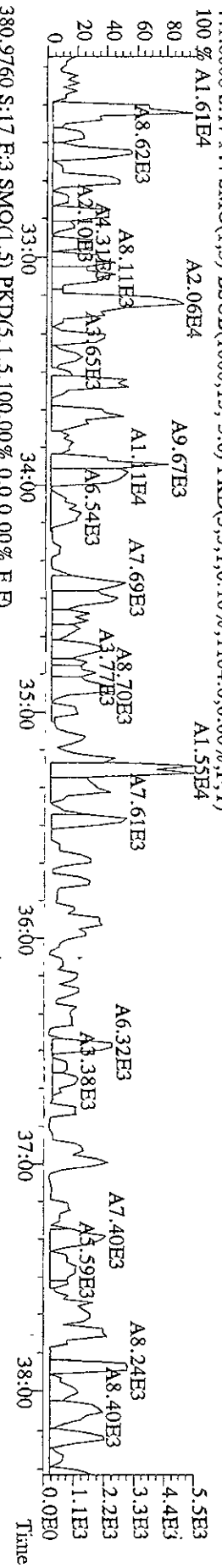
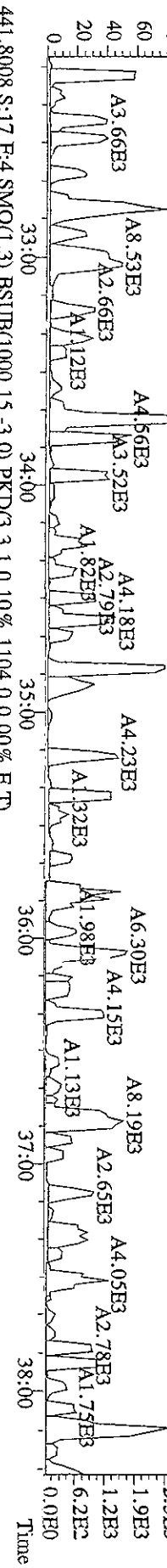


File:04MAY099D5 #1-594 Acq: 5-MAY-2009 02:25:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#17 Text:SB0501C :Solvent Blank C-12 Exp:209DB5  
 289.9224 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,952,0,0,00%,F,T)  
 100 %



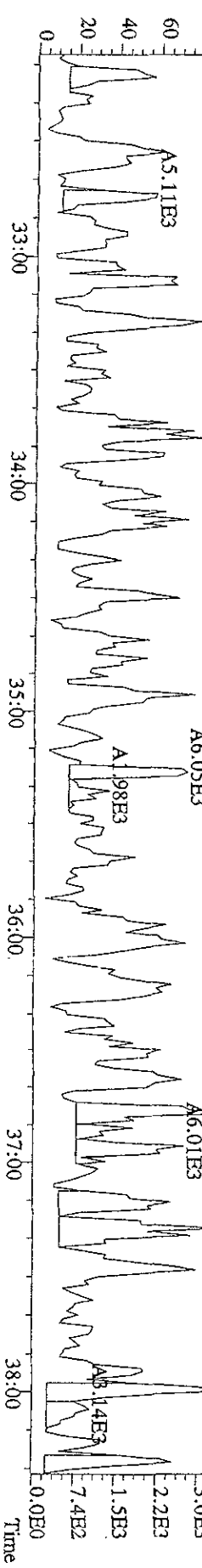
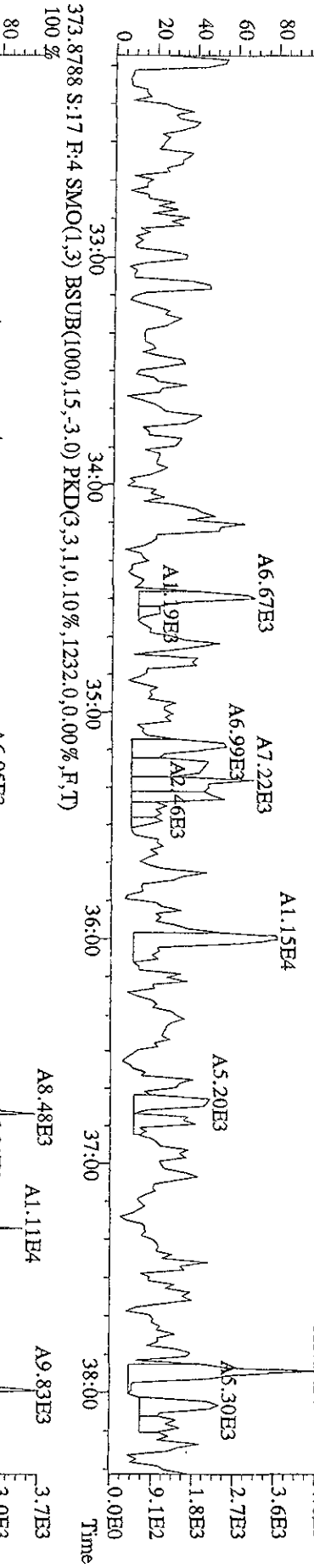
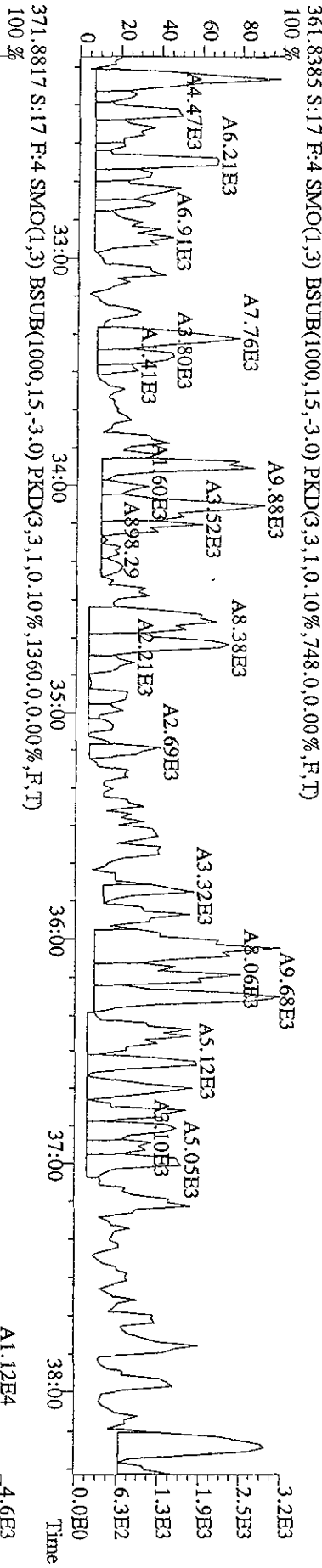
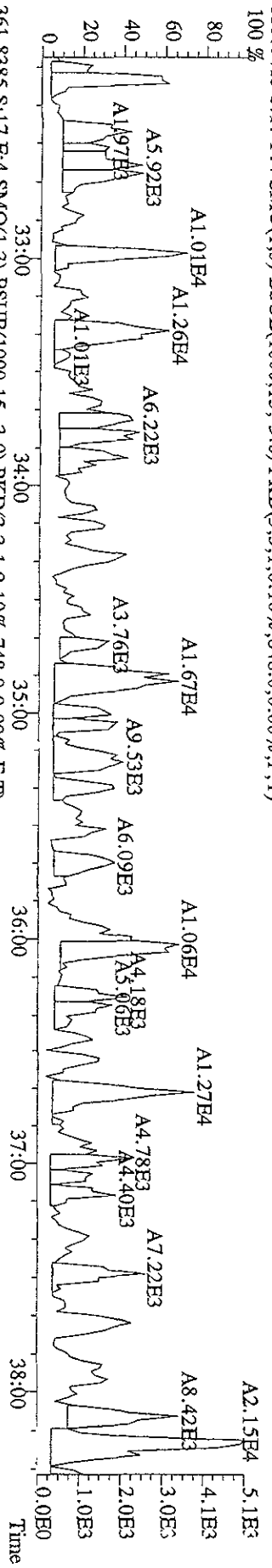
File:04MAY099D5 #1-594 Acq: 5-MAY-2009 02:25:35 GC EI+ Voltage SIR Autospec-Ultimab  
 Sample#17 Text:SB0501C :Solvent Blank C-12 Exp:209DB5  
 323.8834 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2236.0,0.00%,F,T)  
 100 % A1.28E4 A1.26E4



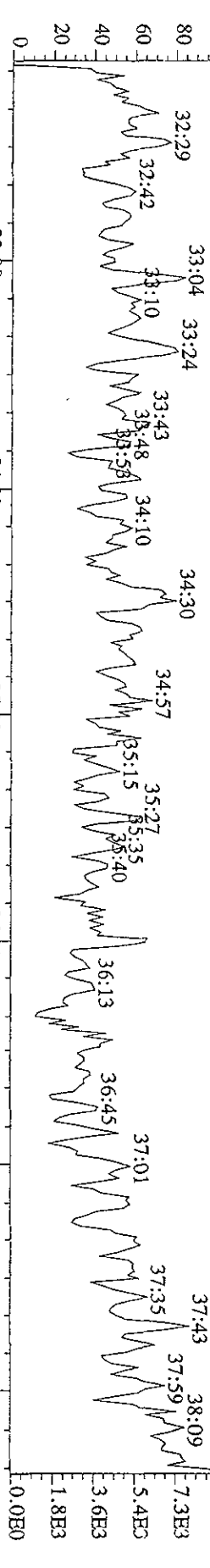




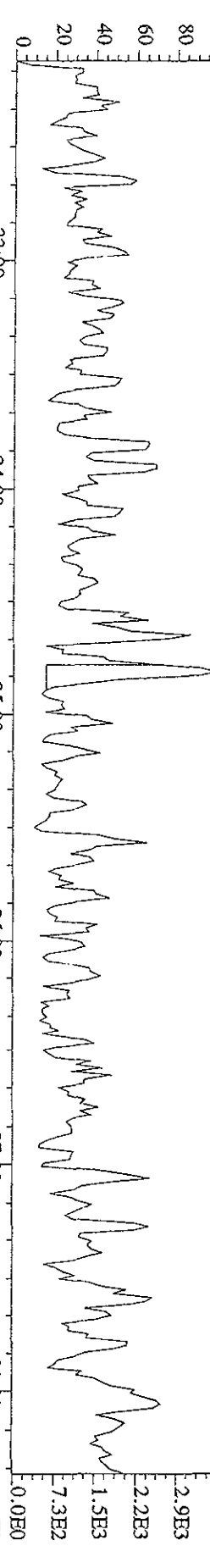
File:04MAY099D5 #1-381 Acq: 5-MAY-2009 02:25:35 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#17 Text:SB0501C :Solvent Blank C-12 Exp:209DB5  
359,8415 S:17 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,848,0,0,00%,F,T)  
100%



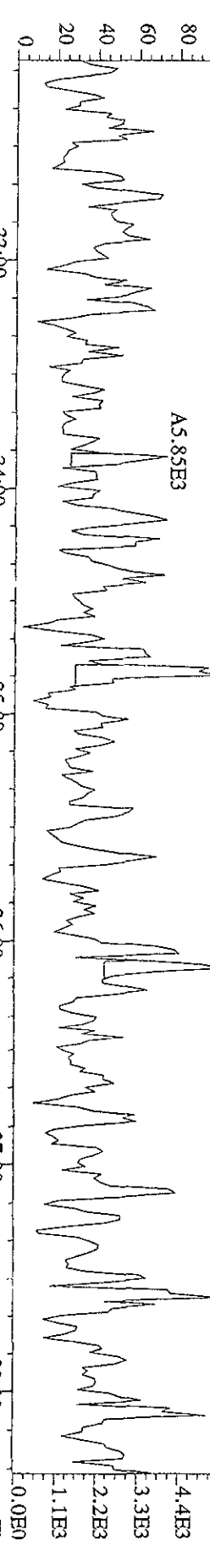
File: 04MAY09D5 #1-381 Acq: 5-MAY-2009 02:25:35 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#17 Text: SB0501C :Solvent Blank C-12 Exp: 209DB5  
 393.8025 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5860.0,0.00%,F,T)



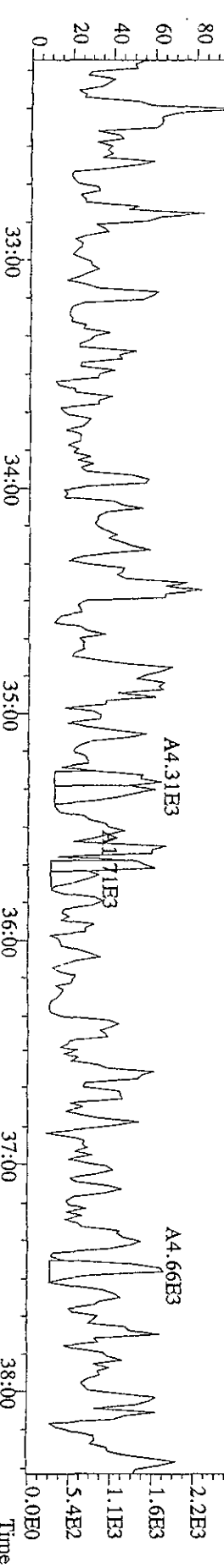
395.7995 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1528.0,0.00%,F,T)  
 A1.17E4



405.8428 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2552.0,0.00%,F,T)  
 A5.85E3  
 A1.25E4  
 A7.54E3



407.8398 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1000.0,0.00%,F,T)



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668 m (Short + Dees)  
 Column ID DB5  
 STD ID ST0501A  
 Analyzed by KAS  
 Std. Pkg. By KAS  
 Std. Pkg. Reviewed By M.G.

Associated ICAL 1668MSL DEC 015099DS  
09DXNO16  
 Instrument ID 9DS  
 STD Solution 09DXNO16  
 Date Analyzed 5/1/09  
 Date Std. Pkg. Assembled 5/5/09  
 Date Std. Pkg. Reviewed 5/5/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	/	✓
Copy of log-file and Beginning Static Resolution present?	/	✓
Column Performance blow up present	/	✓
Curve Summary present?	/	✓
Summary of Method criteria present or documented below?	/	✓
Daily standard within method specified limits?*	/	✓
Analyte retention times correct?	/	✓
Isotopic ratios within limits?	/	✓
Column Performance valley ≤ method specified limits?*	/	✓
Are chromatographic windows correct?	/	✓
Samples analyzed within 12 hrs of daily standard?	/	✓
Manual reintegration's checked and hardcopies included?	/	✓
Ending Static Resolutions present?	/	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.  
 Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).  
 \*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
 Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0501A File text: ST0501A :CS3 09DXN016  
 Run #6 Filename 01MY099D5 S: 2 I: 1  
 Acquired: 1-MAY-09 13:39:48 Processed: 1-MAY-09 14:53:54  
 Run: 01MY099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results: 01MY099D51668MSLDEC

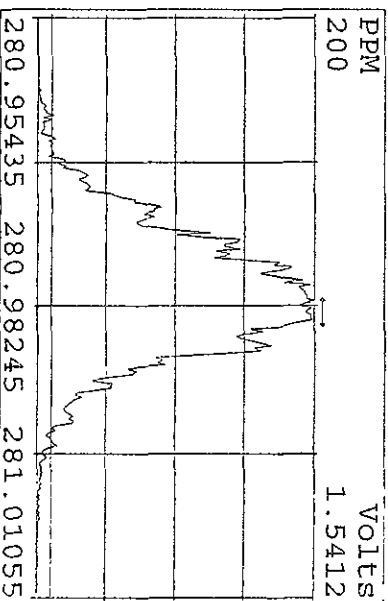
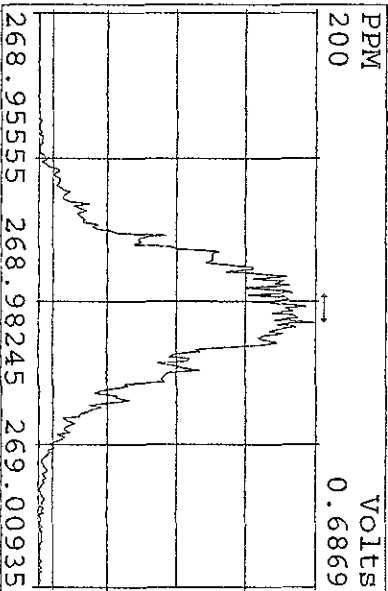
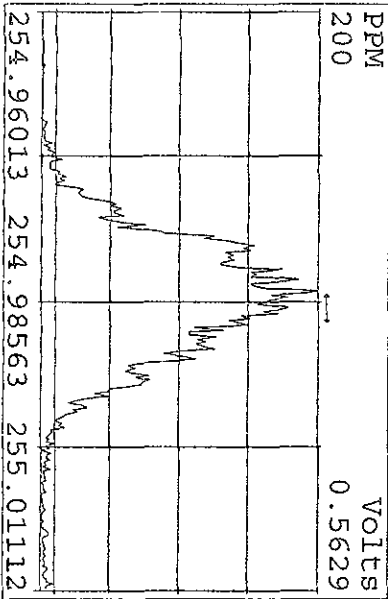
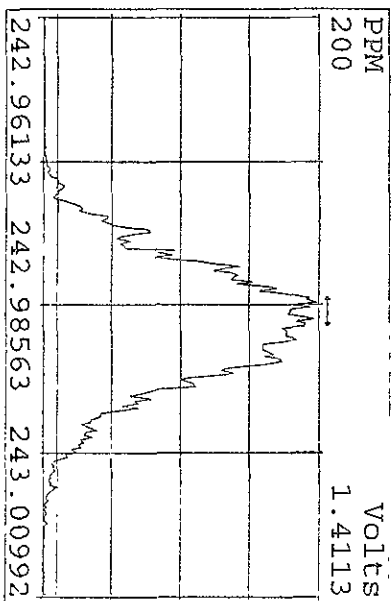
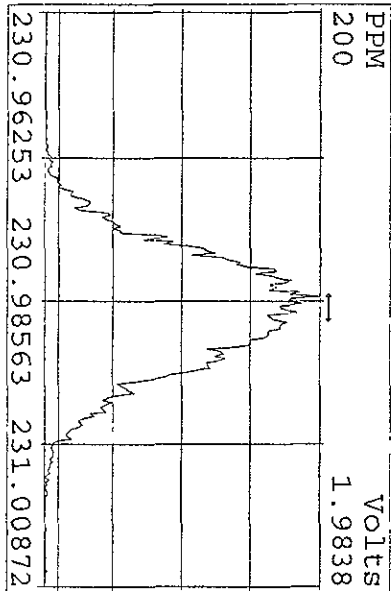
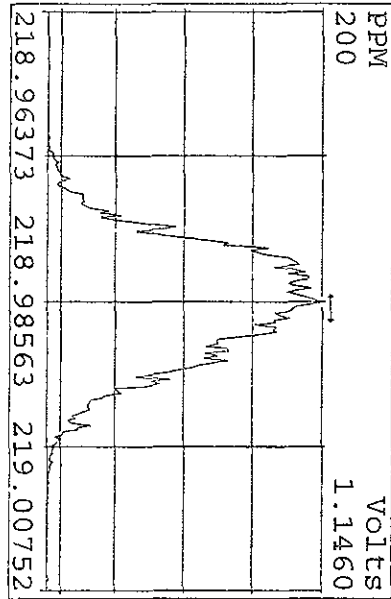
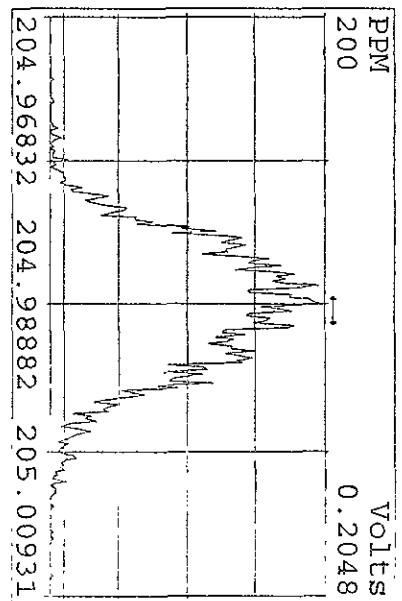
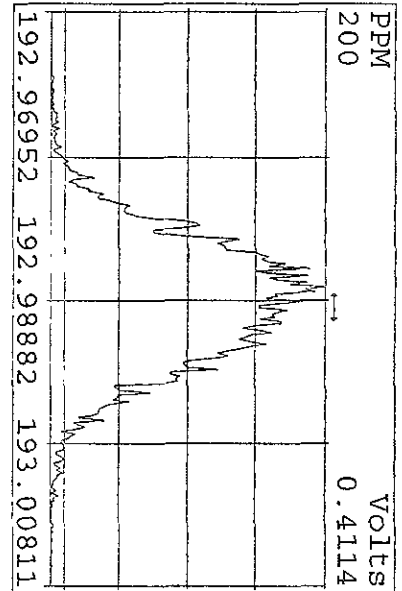
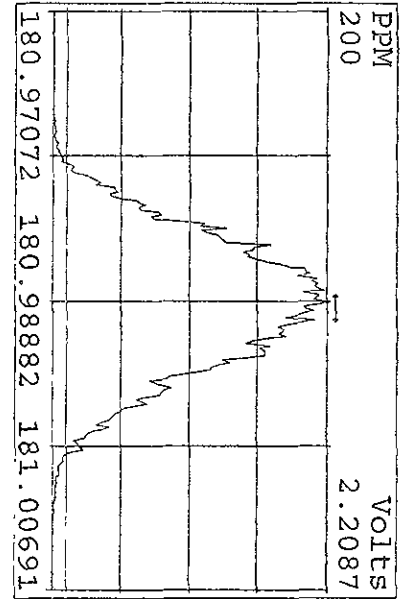
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	238040400	0.65 y	24:25	-	100.00	-	n
13C-TCB-81	222559700	0.80 y	25:58	0.93	100.00	-1.3	n
TCB-81	136195900	0.78 y	25:59	1.22	50.00	-4.3	n
13C-TCB-77	230717000	0.80 y	26:32	0.97	100.00	-1.3	n
TCB-77	128920600	0.78 y	26:33	1.12	50.00	1.3	n
13C-PeCB-123	224285700	0.64 y	27:53	0.94	100.00	8.1	n
PeCB-123	168571300	0.58 y	27:54	1.50	50.00	-0.4	n
13C-PeCB-118	237565600	0.66 y	28:01	1.00	100.00	1.4	n
PeCB-118/106	180587900	0.58 y	28:02	1.52	50.00	-0.5	n
13C-PeCB-114	238215900	0.66 y	28:40	1.00	100.00	3.6	n
PeCB-114	190052600	0.58 y	28:41	1.60	50.00	0.6	n
13C-PeCB-105	230538100	0.66 y	29:33	0.97	100.00	7.9	n
PeCB-105/127	163032300	0.59 y	29:34	1.41	50.00	-0.6	n
13C-PeCB-126	249832800	0.65 y	31:26	1.05	100.00	15.1	n
PeCB-126	149898900	0.59 y	31:27	1.20	50.00	2.3	n
13C-OcCB-202	278625000	0.89 y	33:43	-	100.00	-	n
13C-HxCB-167	211215400	1.28 y	32:33	0.76	100.00	-9.9	n
HxCB-167	114320300	1.28 y	32:34	1.08	50.00	-7.4	y
13C-HxCB-156	176799300	1.30 y	33:51	0.63	100.00	-5.3	n
HxCB-156	133093700	1.27 y	33:52	1.51	50.00	3.7	n
13C-HxCB-157	184022700	1.28 y	34:10	0.66	100.00	-6.6	n
HxCB-157	138725100	1.25 y	34:11	1.51	50.00	4.2	n
13C-HxCB-169	205334000	1.29 y	36:00	0.74	100.00	0.5	n
HxCB-169	107292100	1.26 y	36:01	1.05	50.00	5.6	n
13C-HpCB-180	166447700	1.03 y	34:48	0.60	100.00	2.2	n
HpCB-180	98089300	1.09 y	34:49	1.18	50.00	-6.8	n
13C-HpCB-170	136467900	1.04 y	36:27	0.49	100.00	3.2	n
HpCB-170/190	100346100	1.09 y	36:28	1.47	50.00	-8.5	n
13C-HpCB-189	184469700	1.02 y	38:05	0.66	100.00	10.6	n
HpCB-189	106558000	1.07 y	38:06	1.16	50.00	-4.2	n
13C-DeCB-209	156114800	0.71 y	43:26	0.56	100.00	21.8	n
DECB-209	113224600	0.68 y	43:26	1.45	50.00	-3.6	n
13C-PeCB-111	300784000	0.65 y	25:51	1.29	100.00	-4.7	n

Run text: ST0501A File text: ST0501A :CS3 09DXN016  
 Run #6 Filename 01MY099D5 S: 2 I: 1  
 Acquired: 1-MAY-09 13:39:48 Processed: 1-MAY-09 14:53:54  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0115099D5 Results:

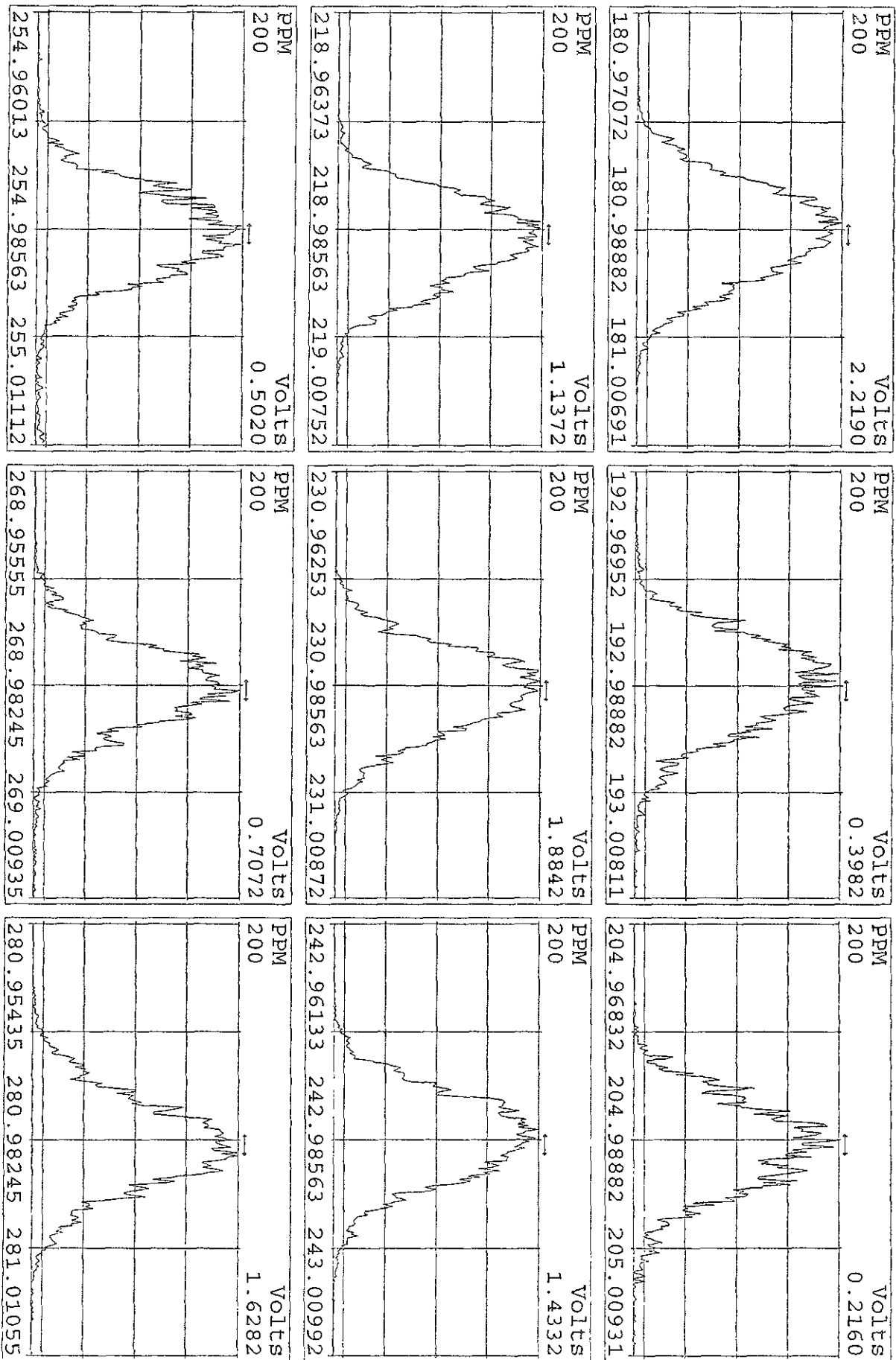
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	238040096	0.65 y	24:25	-	100.00	-	n
13C-TCB-81	222559544	0.80 y	25:58	0.93	100.00	-1.3	n
TCB-81	136195932	0.78 y	25:59	1.22	50.00	-4.3	n
13C-TCB-77	230716768	0.80 y	26:32	0.97	100.00	-1.3	n
TCB-77	128920548	0.78 y	26:33	1.12	50.00	1.3	n
13C-PeCB-123	224285448	0.64 y	27:53	0.94	100.00	8.1	n
PeCB-123	168571016	0.58 y	27:54	1.50	50.00	-0.4	n
13C-PeCB-118	237565416	0.66 y	28:01	1.00	100.00	1.4	n
PeCB-118/106	180587900	0.58 y	28:02	1.52	50.00	-0.5	n
13C-PeCB-114	238215600	0.66 y	28:40	1.00	100.00	3.6	n
PeCB-114	190052280	0.58 y	28:41	1.60	50.00	0.6	n
13C-PeCB-105	230538048	0.66 y	29:33	0.97	100.00	7.9	n
PeCB-105/127	163032692	0.59 y	29:34	1.41	50.00	-0.6	n
13C-PeCB-126	249832456	0.65 y	31:26	1.05	100.00	15.1	n
PeCB-126	149898972	0.59 y	31:27	1.20	50.00	2.3	n
13C-OcCB-202	278625552	0.89 y	33:43	-	100.00	-	n
13C-HxCB-167	211215512	1.28 y	32:33	0.76	100.00	-9.9	n
HxCB-167	231479216	1.26 y	32:34	2.19	50.00	87.5	n
13C-HxCB-156	176799264	1.30 y	33:51	0.63	100.00	-5.3	n
HxCB-156	133093684	1.27 y	33:52	1.51	50.00	3.7	n
13C-HxCB-157	184022784	1.28 y	34:10	0.66	100.00	-6.6	n
HxCB-157	138725080	1.25 y	34:11	1.51	50.00	4.2	n
13C-HxCB-169	205334344	1.29 y	35:60	0.74	100.00	0.5	n
HxCB-169	107292072	1.26 y	36:01	1.05	50.00	5.6	n
13C-HpCB-180	166447688	1.03 y	34:48	0.60	100.00	2.2	n
HpCB-180	98089292	1.09 y	34:49	1.18	50.00	-6.8	n
13C-HpCB-170	136467972	1.04 y	36:27	0.49	100.00	3.2	n
HpCB-170/190	100346068	1.09 y	36:28	1.47	50.00	-8.5	n
13C-HpCB-189	184469728	1.02 y	38:05	0.66	100.00	10.6	n
HpCB-189	106558080	1.07 y	38:06	1.16	50.00	-4.2	n
13C-DeCB-209	156114728	0.71 y	43:26	0.56	100.00	21.8	n
DECB-209	113224616	0.68 y	43:26	1.45	50.00	-3.6	n
13C-PeCB-111	300783848	0.65 y	25:51	1.29	100.00	-4.7	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
01MY099D5	1	ST0501	09DXN209				1.00000	
01MY099D5	2	ST0501A	CS3 09DXN016				1.00000	
01MY099D5	3	SB0501	Solvent Blank C-12				1.00000	
01MY099D5	4	LAKA6-1-AC	G9D220326-1 (10X)	20	1668/WASTE	36	0.10600	g
01MY099D5	5	LAT8P-1-AA	G9D030340-MB	20	1668/SOLID	37	10.00000	g
01MY099D5	6	LAT8P-1-AC	G9D030340-LCS	20	1668/SOLID		10.00000	g
01MY099D5	7	K9LEP-1-AC	G9D030340-1	20	1668/SOLID		10.00000	g
01MY099D5	8	K9LEQ-1-AC	G9D030340-2	20	1668/SOLID		10.18000	g
01MY099D5	9	K9LER-1-AC	G9D030340-3 <del>(46x)</del>	20	1668/SOLID		10.43000	g
01MY099D5	10	K9LET-1-AC	G9D030340-4	20	1668/SOLID		10.21000	g
01MY099D5	11	K9LEV-1-AC	G9D030340-5	20	1668/SOLID		10.06000	g
01MY099D5	12	K9L38-1-AC	G9D040182-1	20	1668/SOLID		10.01500	g
01MY099D5	13	K9L39-1-AC	G9D040182-2	20	1668/SOLID		10.25000	g
01MY099D5	14	K9L4A-1-AC	G9D040182-3	20	1668/SOLID		10.07000	g
01MY099D5	15	SB0501B	Solvent Blank C-12				1.00000	
01MY099D5	16	ST0501B	09DXN209				1.00000	
01MY099D5	17	ST0501C	CS3 09DXN016				1.00000	
01MY099D5	18	SB0501C	Solvent Blank C-12				1.00000	
01MY099D5	19	LAJ7L-1-AA	G9D210223-MB	20	1668/AIR	32	0.50000	SAM
01MY099D5	20	LAJ7L-1-AC	G9D210223-LCS	20	1668/AIR		0.50000	SAM
01MY099D5	21	LAJ7L-1-AD	G9D210223-DCS	20	1668/AIR		0.50000	SAM
01MY099D5	22	LAF43-1-AC	G9D210223-1	20	1668/AIR		0.50000	SAM
01MY099D5	23	LAF47-1-AC	G9D210223-2	20	1668/AIR		0.50000	SAM
01MY099D5	24	PCB PT QC	G9B020194-240 <sup>k</sup>	20	1668/WATER	35	1.00000	mL
01MY099D5	25	K9LEP-1-AC	G9D030340-1 RI	20	1668/SOLID	37	10.00000	g
01MY099D5	26	K9LEQ-1-AC	G9D030340-2 RI	20	1668/SOLID		10.18000	g
01MY099D5	27	K9LER-1-AC	G9D030340-3 RI	20	1668/SOLID		10.43000	g
01MY099D5	28	K9LET-1-AC	G9D030340-4 RI	20	1668/SOLID		10.21000	g
01MY099D5	29	K9LEV-1-AC	G9D030340-5 RI	20	1668/SOLID		10.06000	g
01MY099D5	30	K9490-1-AE	F9D150204-1 (10X)	20	1668/SOLID	37	1.00000	g
01MY099D5	31						1.00000	
01MY099D5	32						1.00000	
01MY099D5	33						1.00000	
01MY099D5	34						1.00000	
01MY099D5	35		KAS, AM 05-01-09				1.00000	
01MY099D5	36						1.00000	

Peak Locate Examination: 1-MAY-2009:12:46 File:01MY099D5  
Experiment:209DB5 Function:1 Reference:PFK

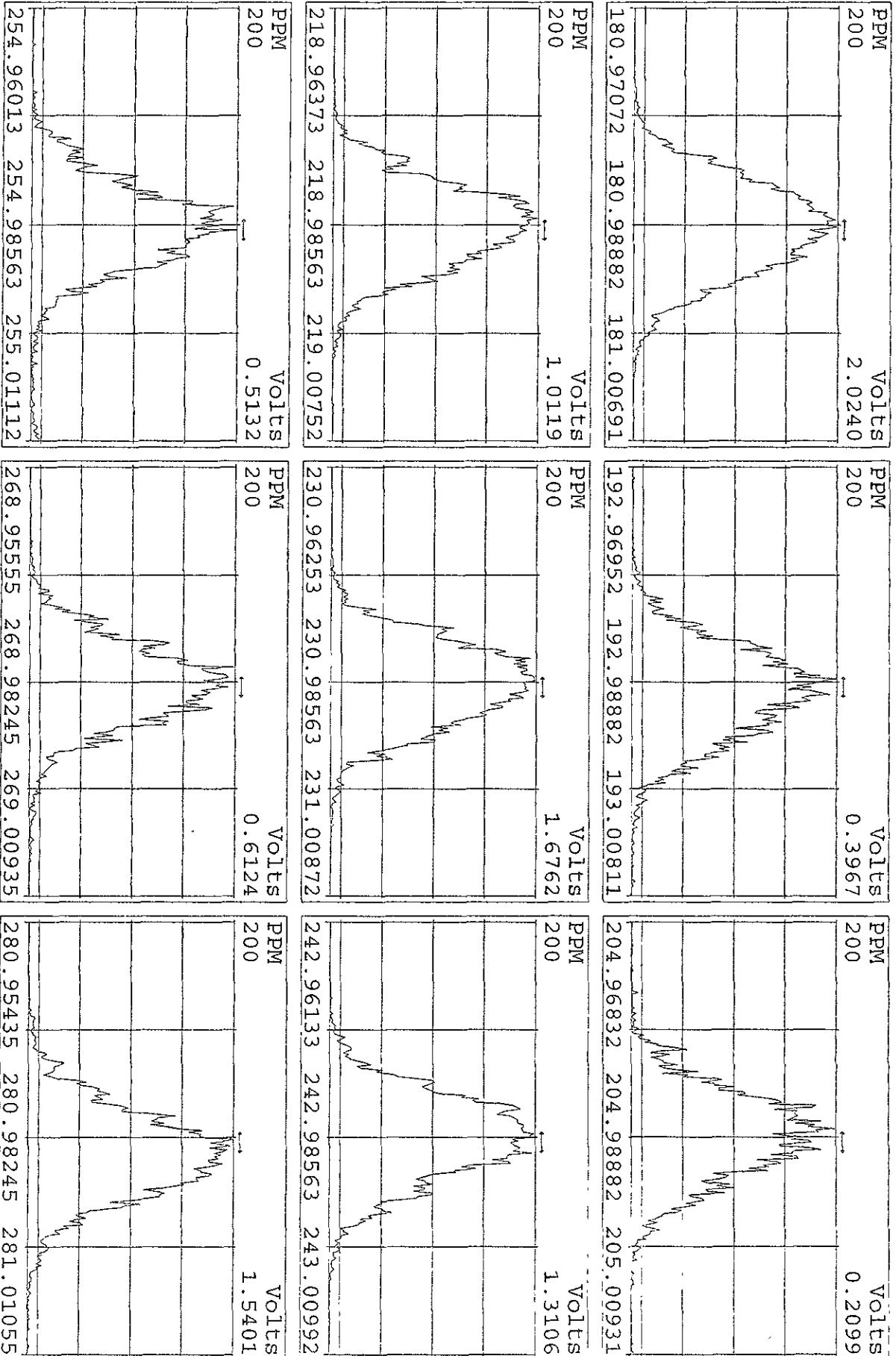


Peak Locate Examination: 1-MAY-2009:12:46 File:01MY099D5  
 Experiment:209DB5 Function:1 Reference:PFK

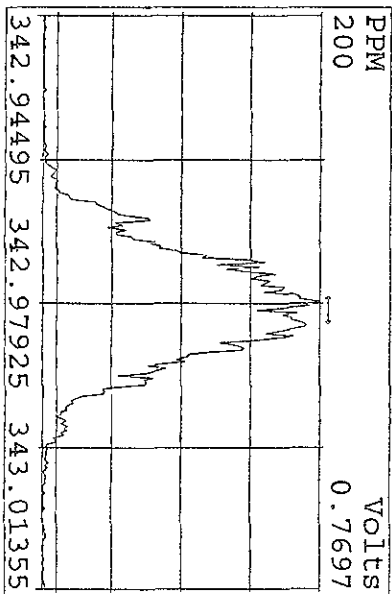
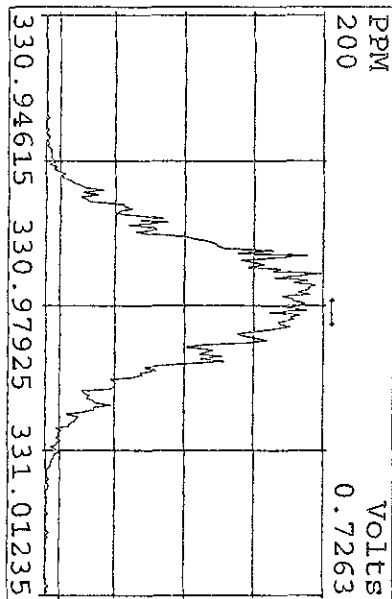
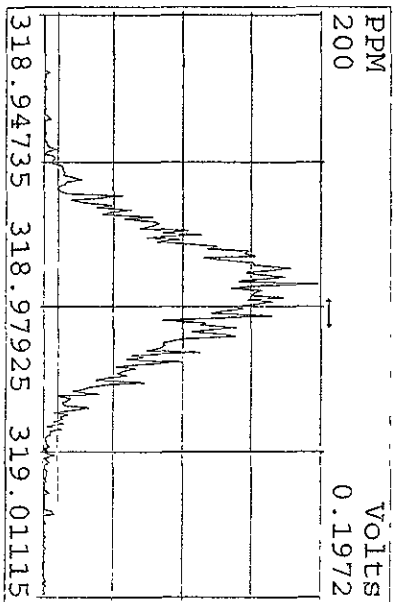
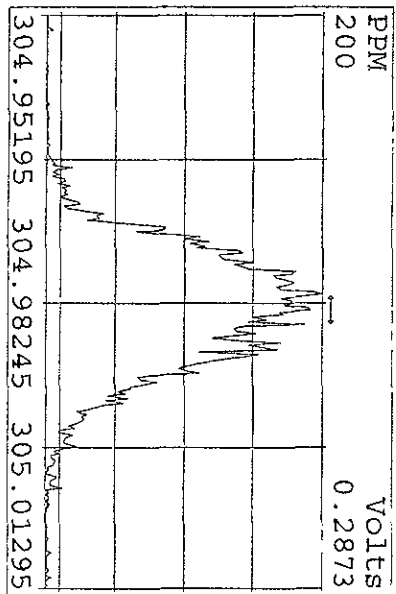
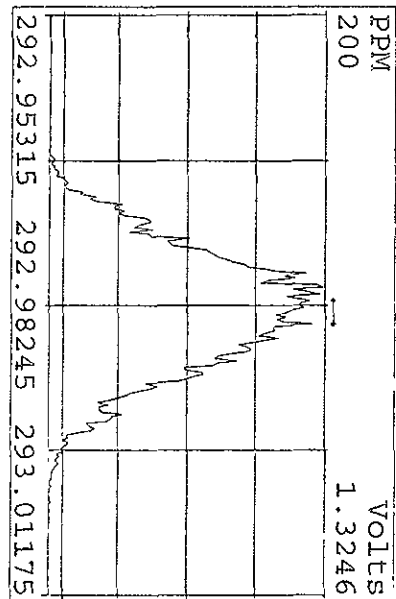
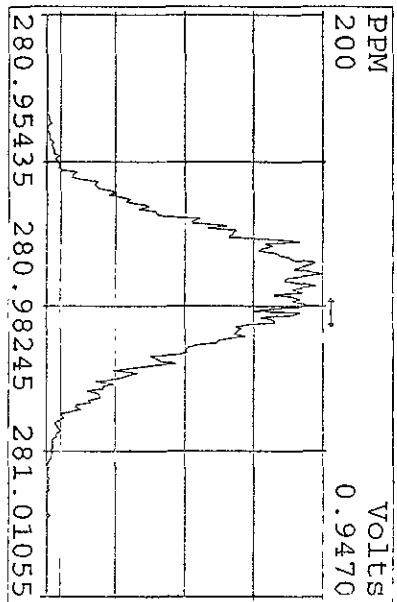
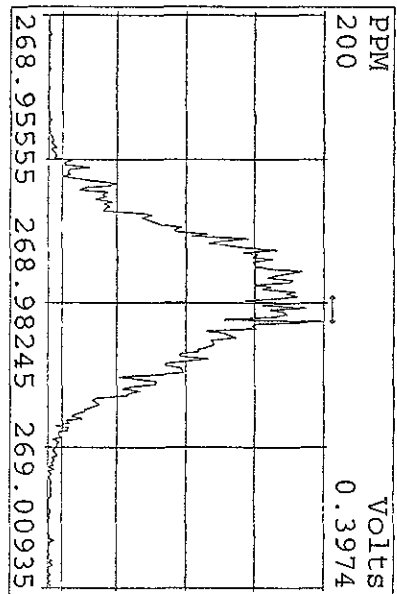
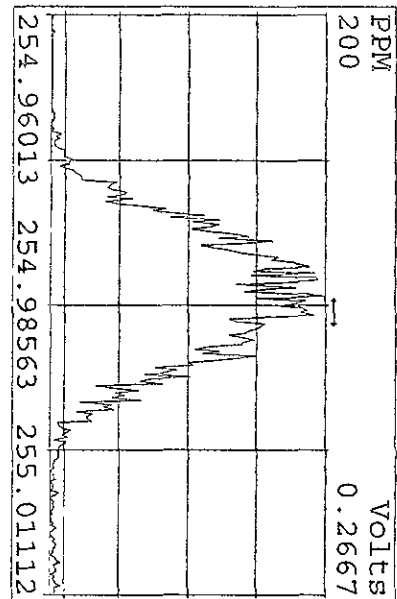




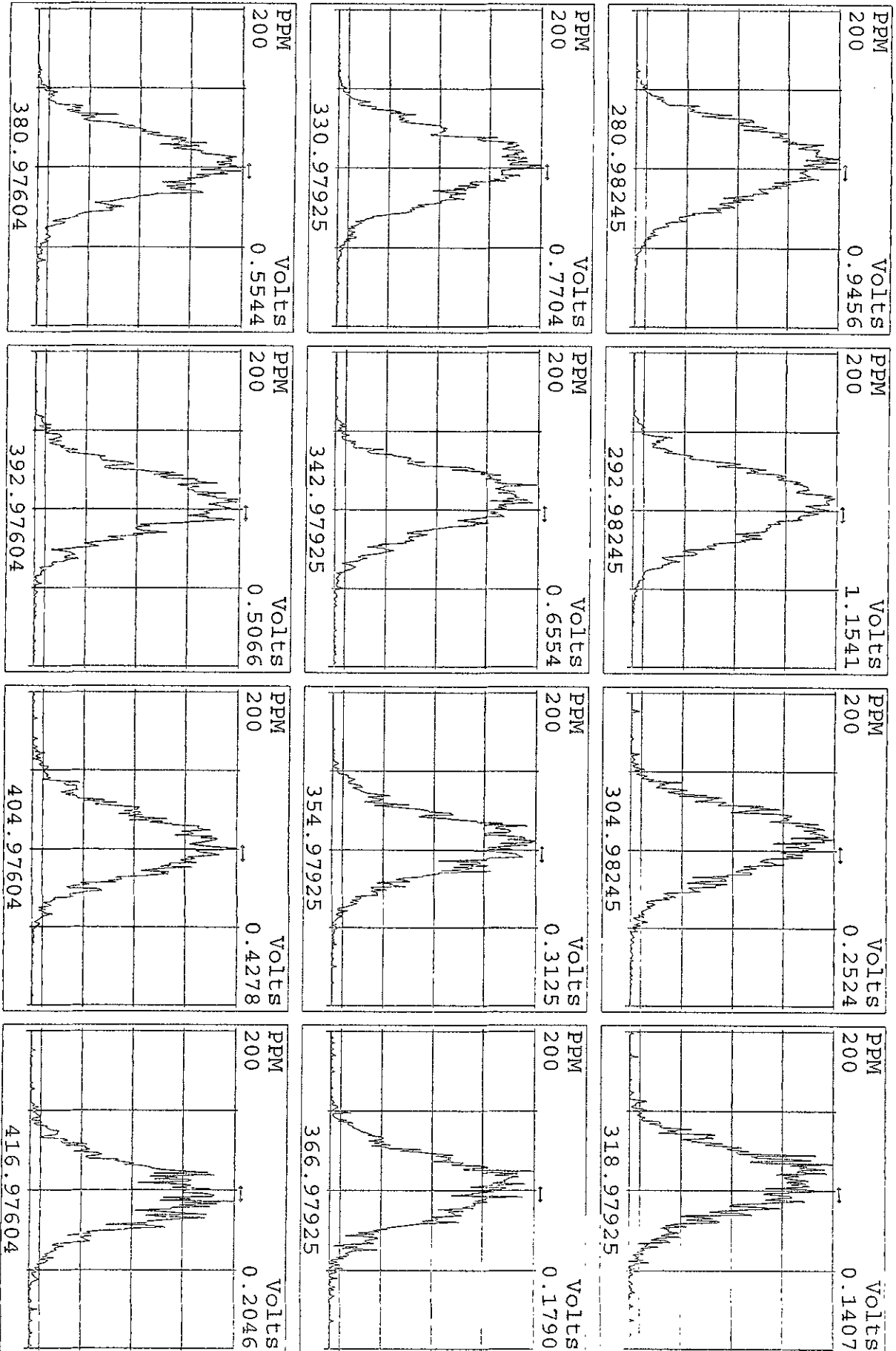
Peak Locate Examination: 1-MAY-2009:12:46 File:01MY099D5  
Experiment:209DB5 Function:1 Reference:PFK



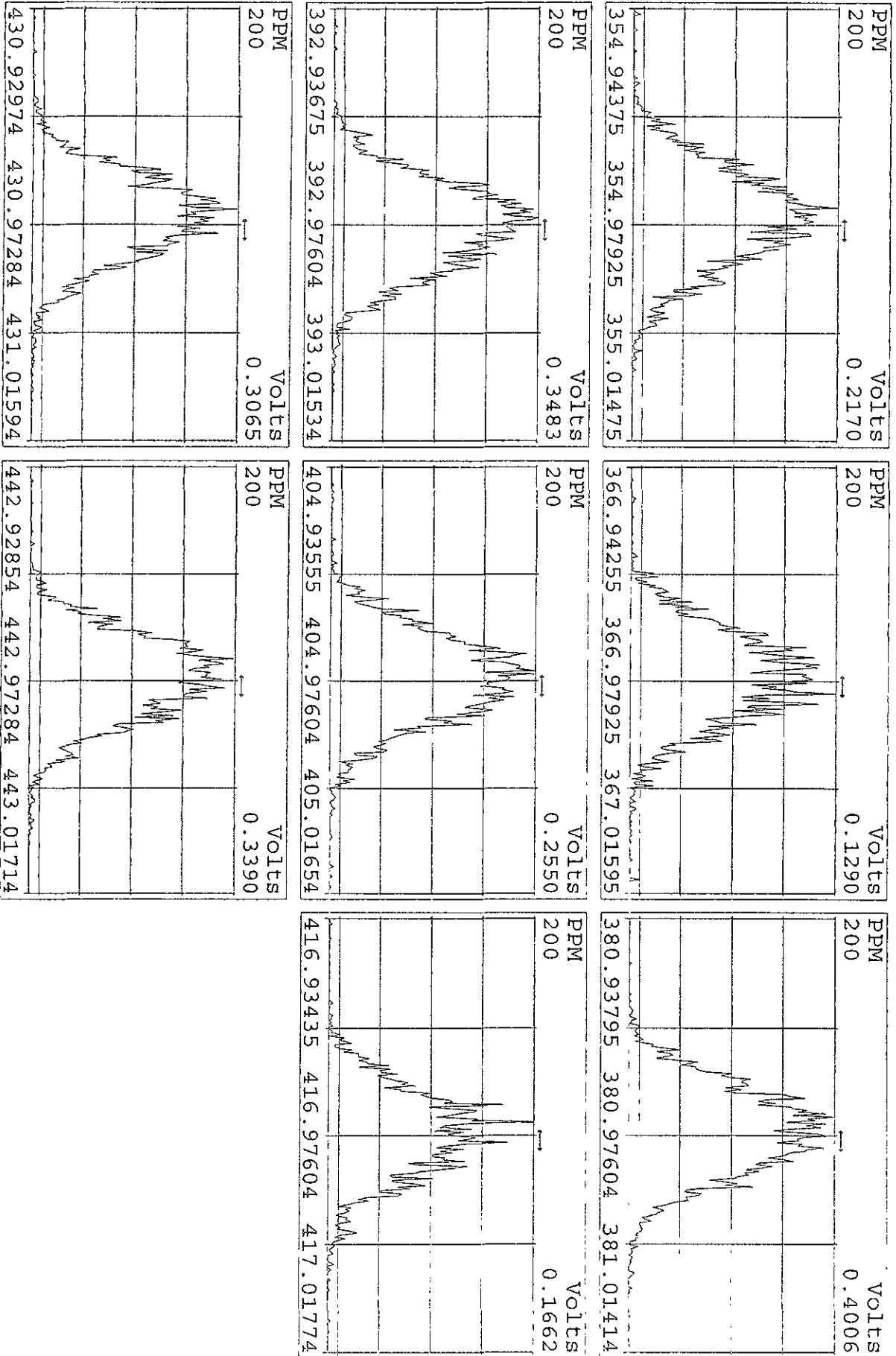
Peak Locate Examination: 1-MAY-2009:12:47 File:01MY099D5  
 Experiment:209DB5 Function:2 Reference:PFK



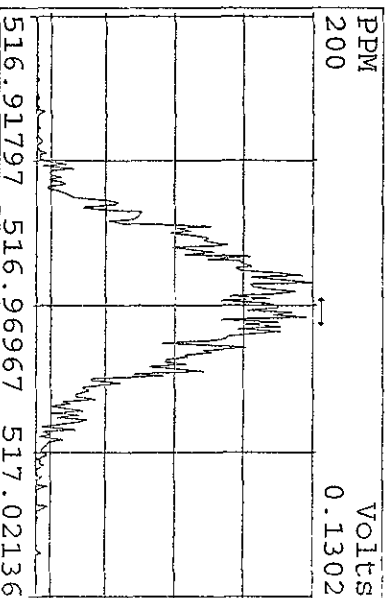
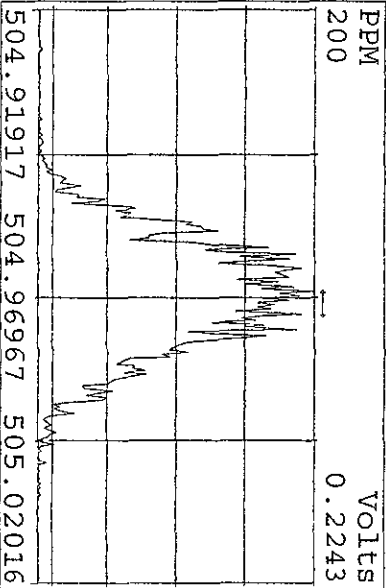
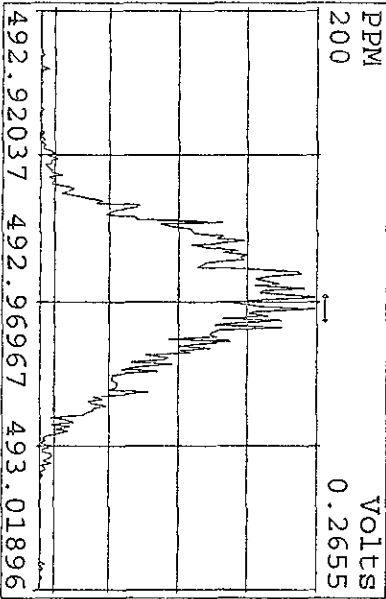
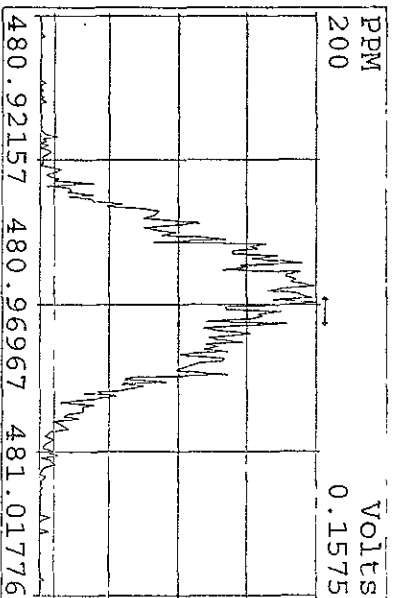
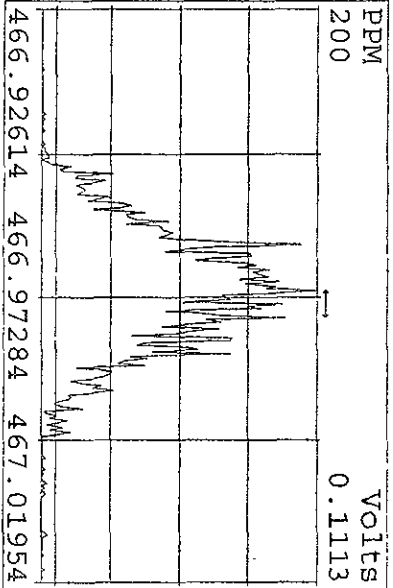
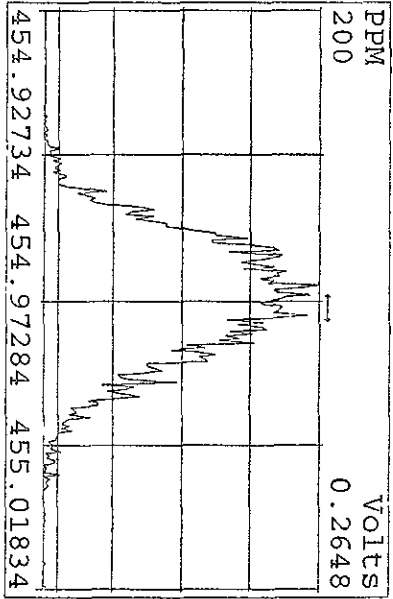
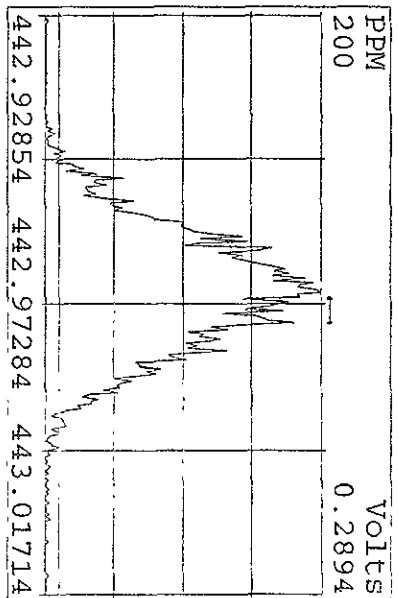
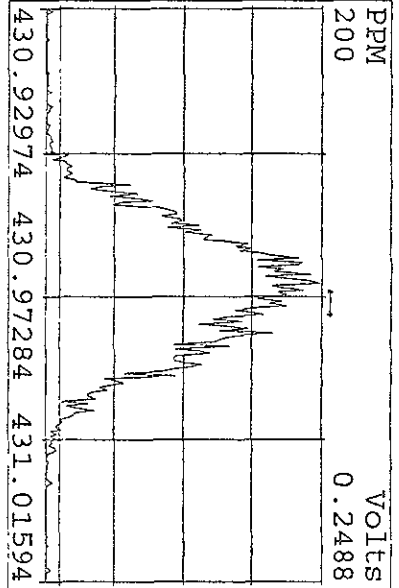
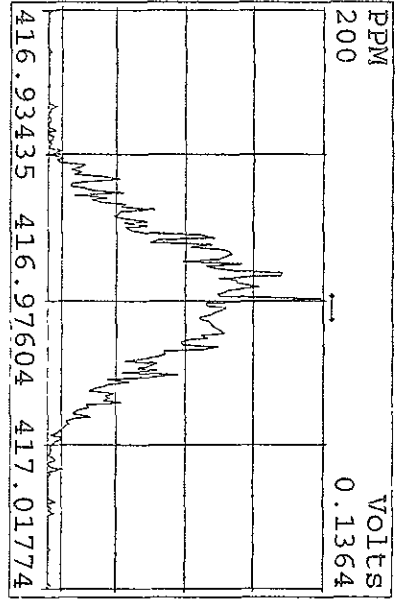
Peak Locate Examination: 1-MAY-2009:12:47 File:01MY099D5  
Experiment:209DB5 Function:3 Reference:PFK



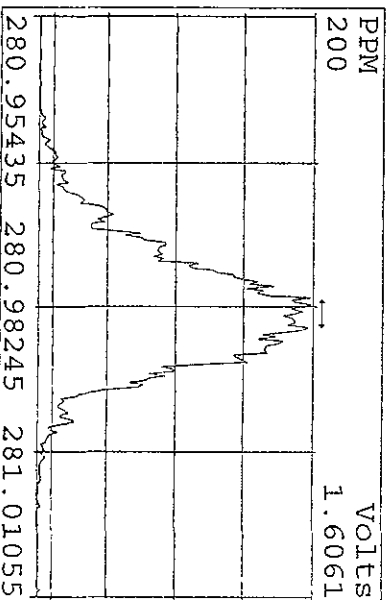
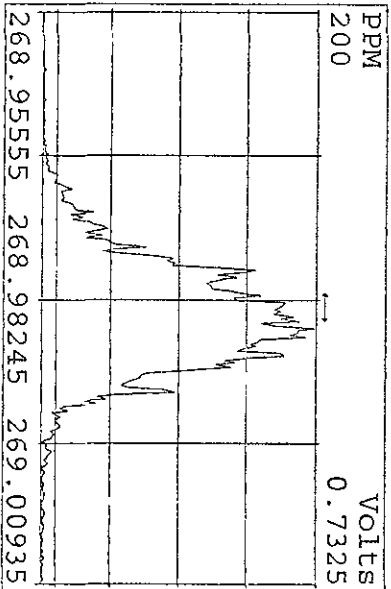
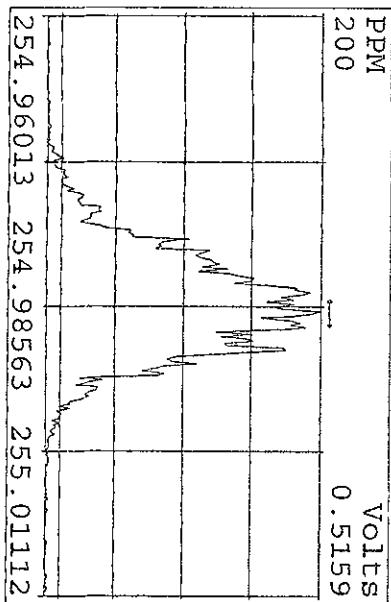
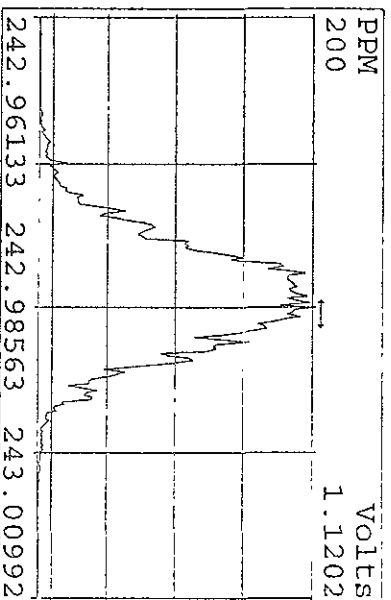
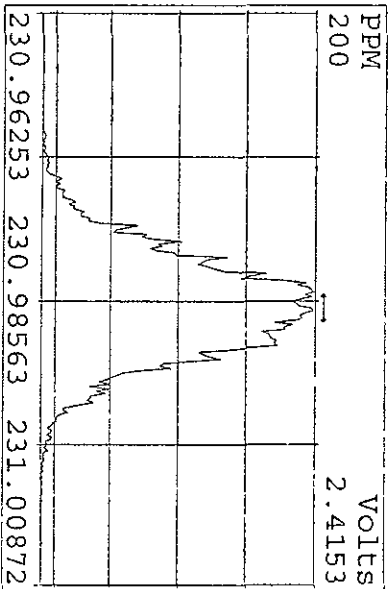
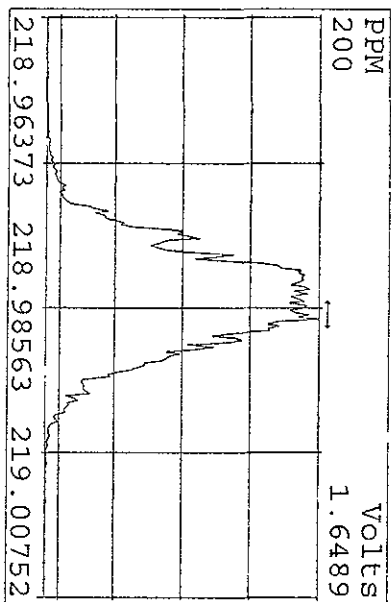
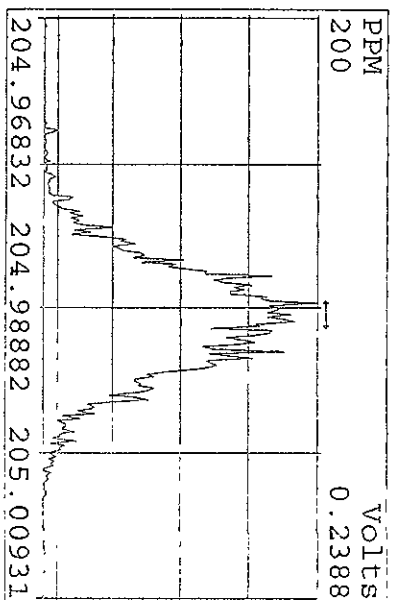
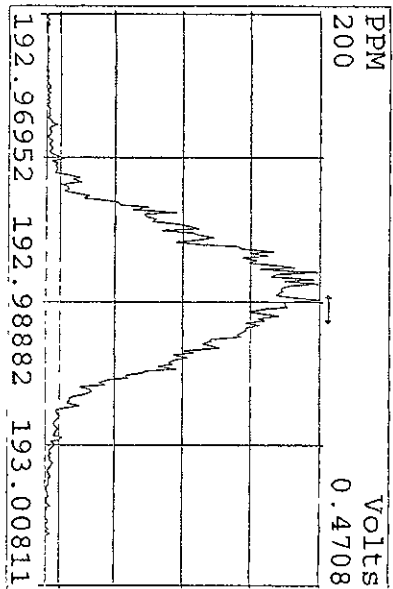
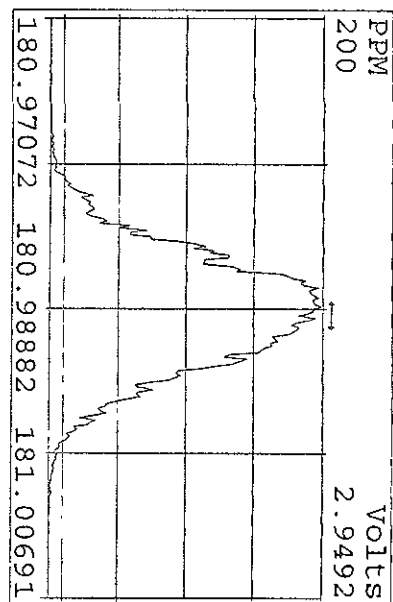
Peak Locate Examination: 1-MAY-2009:12:47 File:01MY099D5  
Experiment:209DB5 Function:4 Reference:PFK



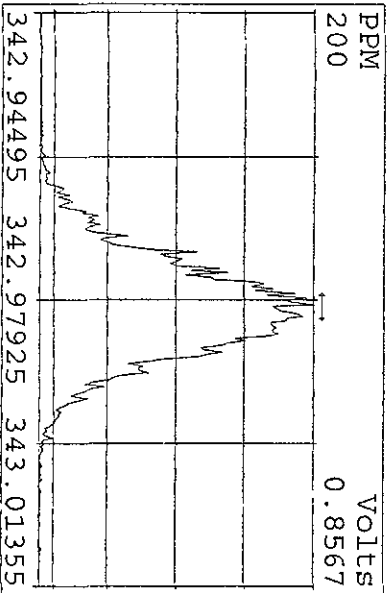
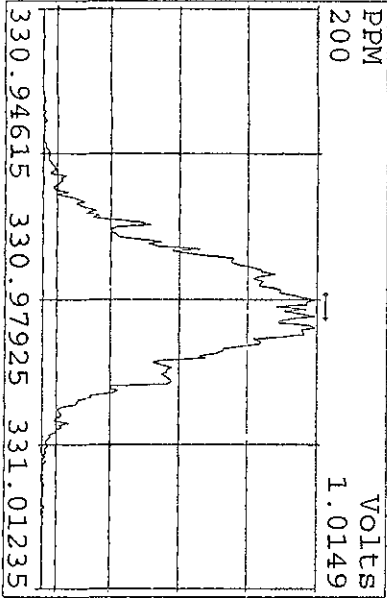
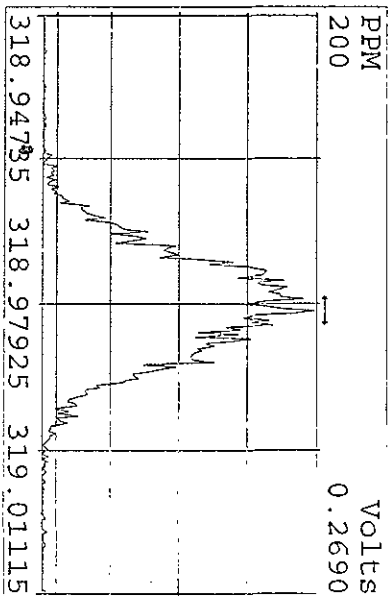
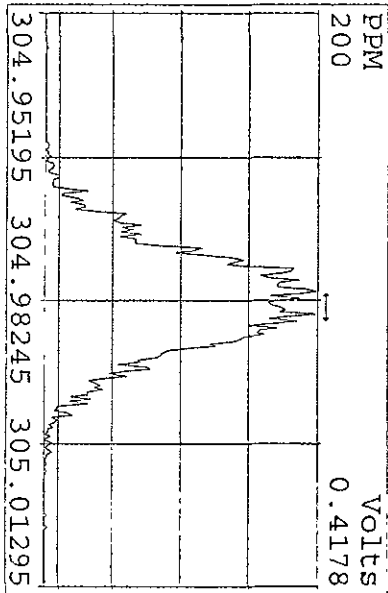
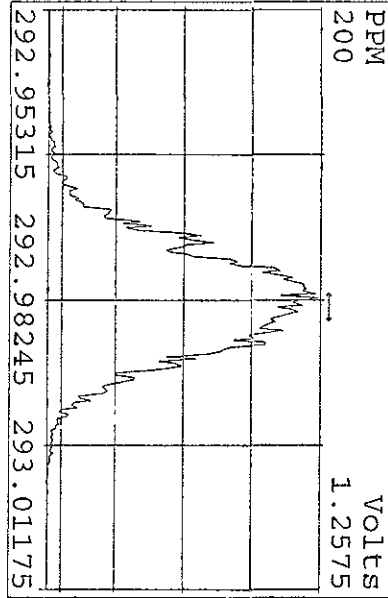
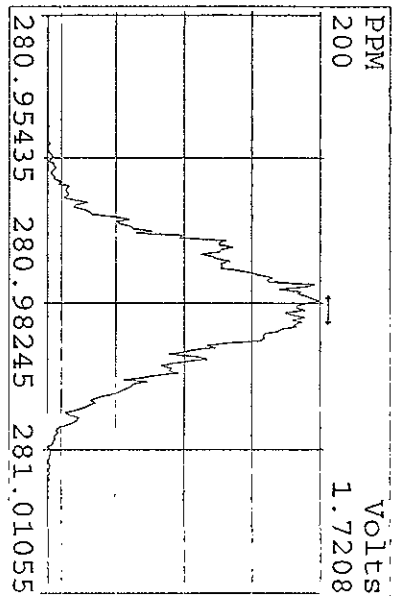
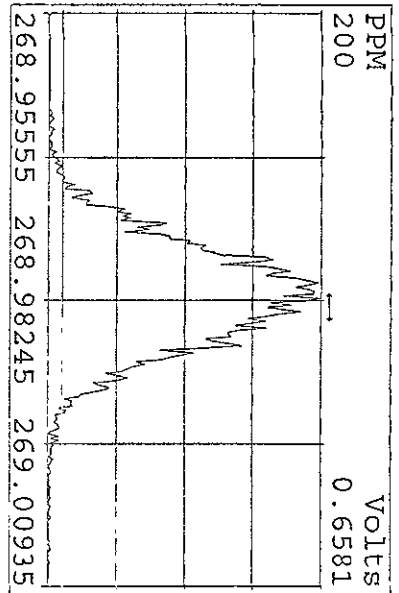
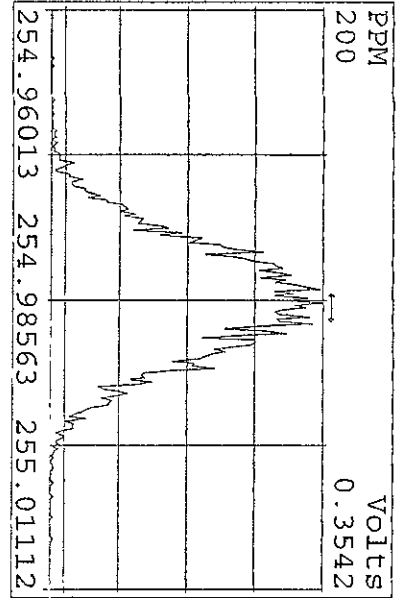
Peak Locate Examination: 1-MAY-2009:12:48 File:01MY099D5  
 Experiment:209DB5 Function:5 Reference:PFK



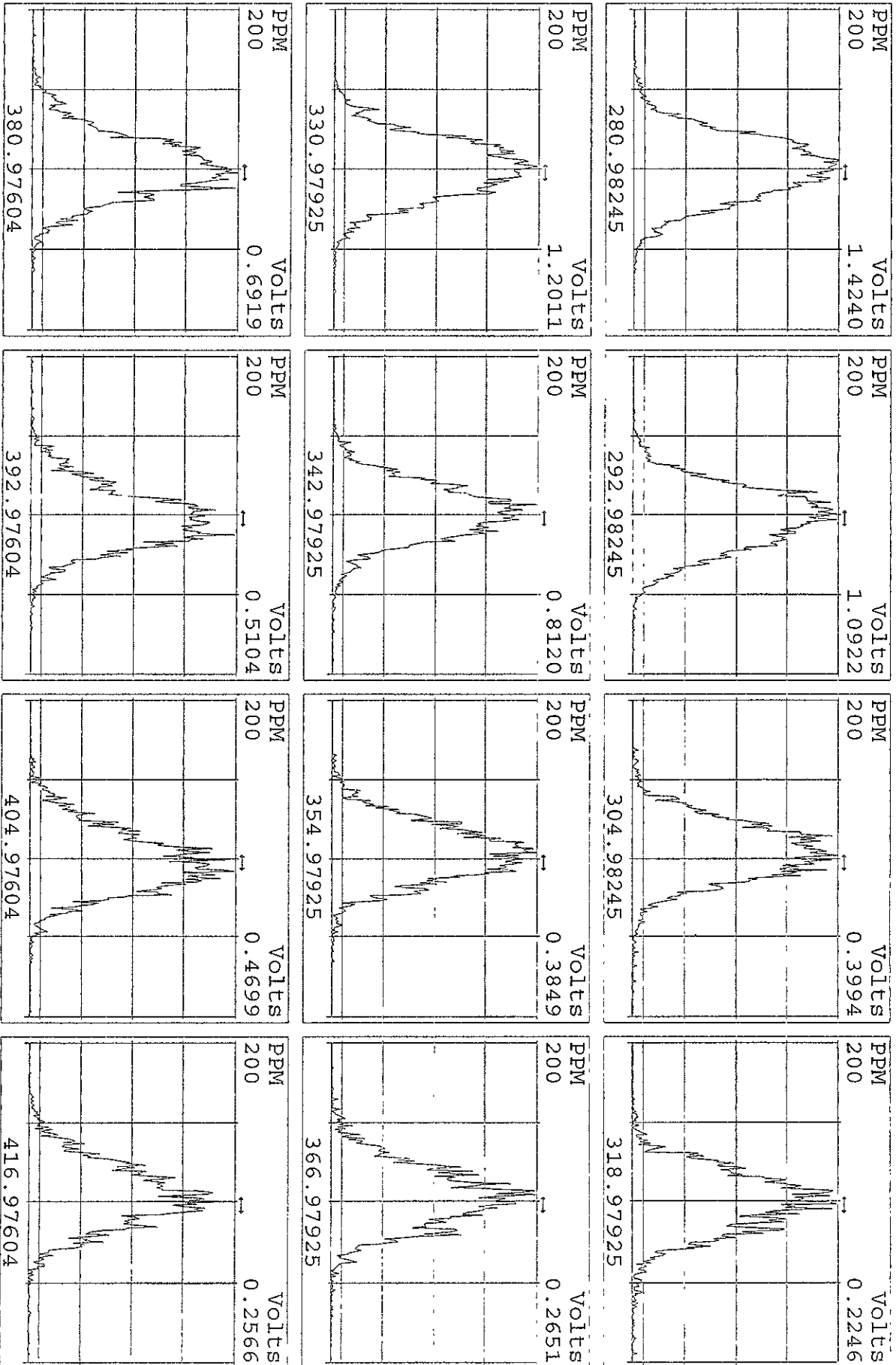
Peak Locate Examination: 3-MAY-2009:20:14 File:01MY099D5ENDRES  
 Experiment:209DB5 Function:1 Reference:PFK



Peak Locate Examination: 3-MAY-2009:20:15 File:01MY099D5ENDPRES  
 Experiment:209DB5 Function:2 Reference:PKF

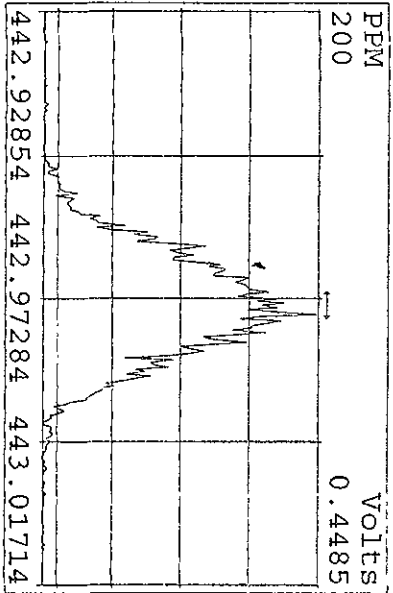
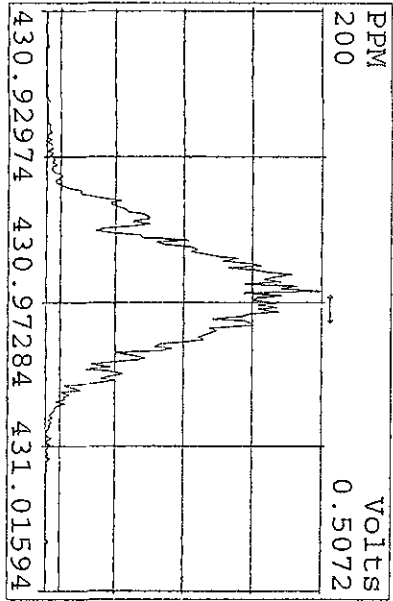
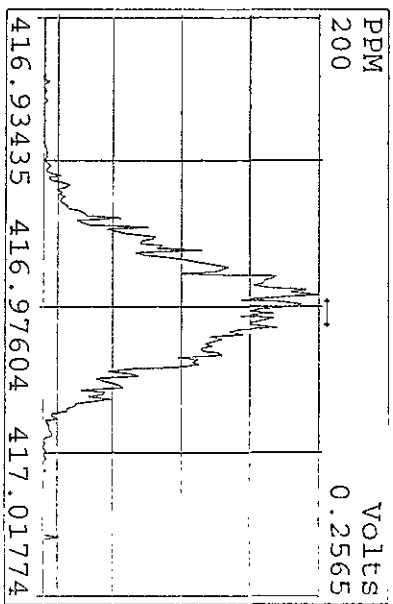
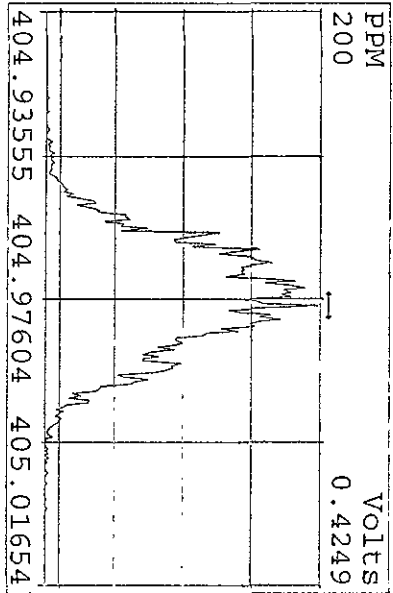
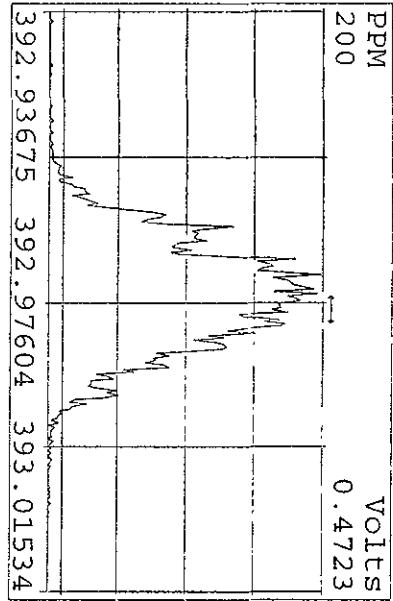
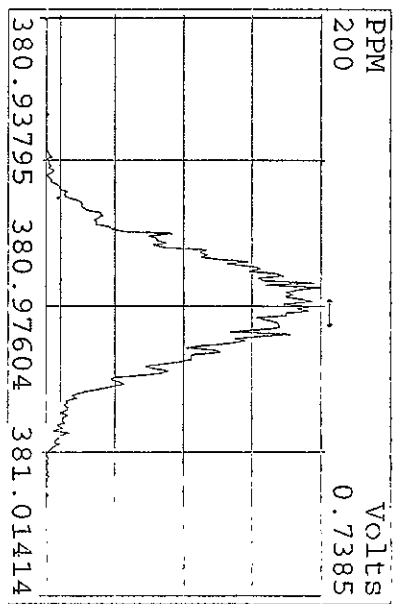
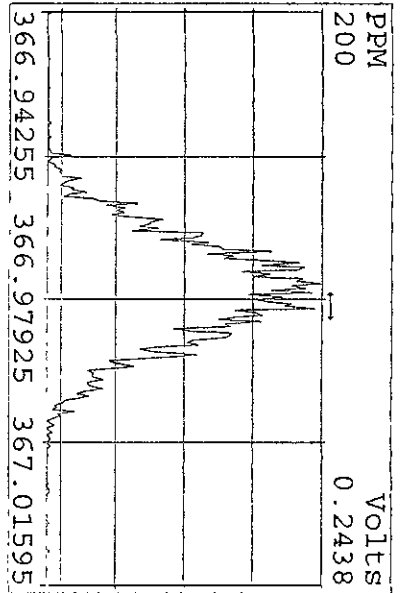
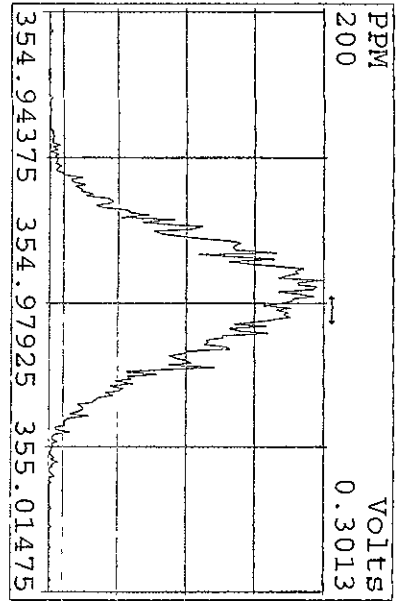


Peak Locate Examination: 3-MAY-2009:20:15 File:01MY099D5ENDRES  
Experiment:209DB5 Function:3 Reference:PFK

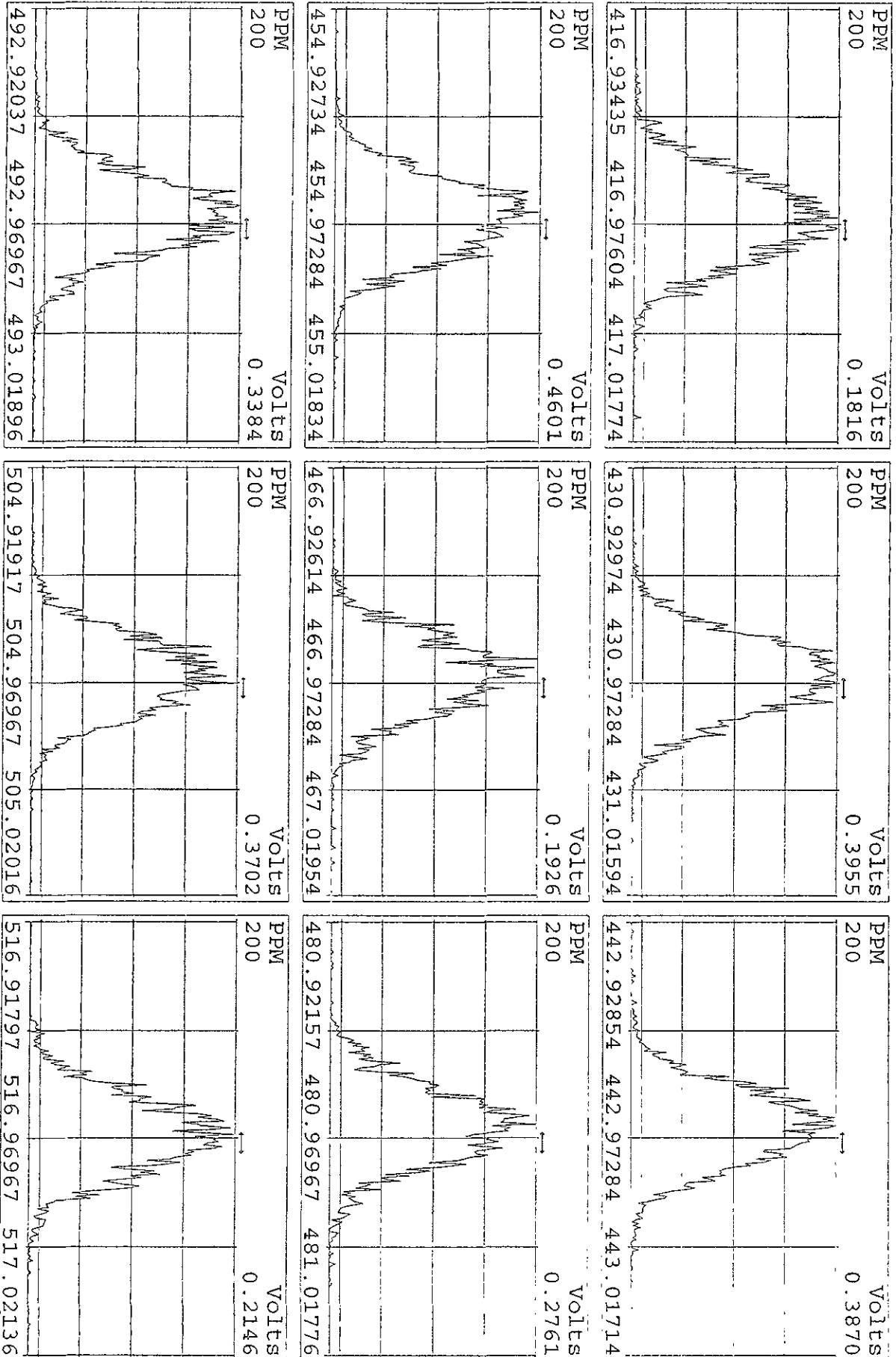




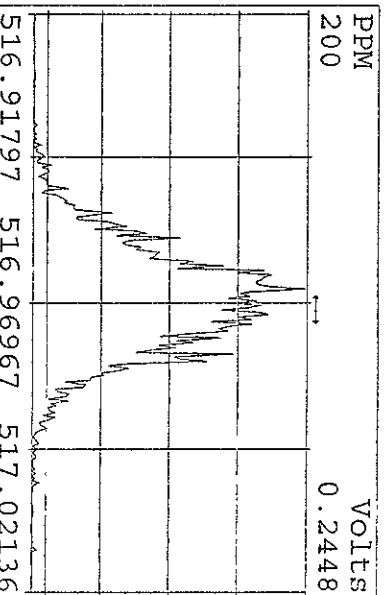
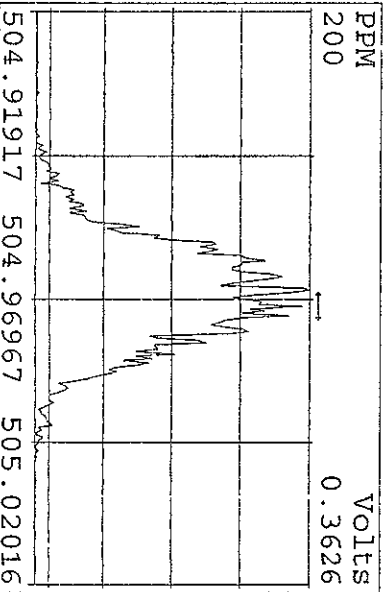
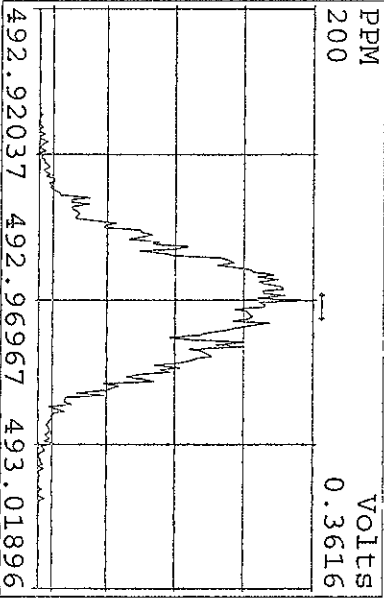
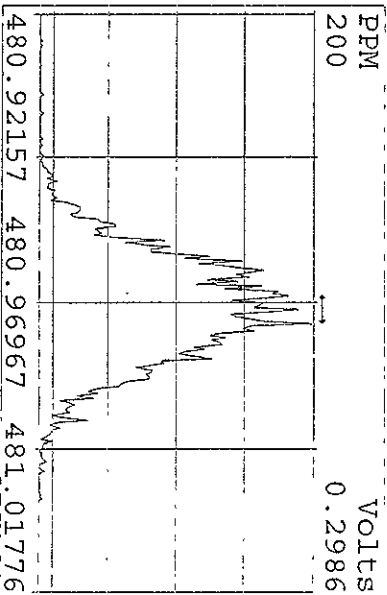
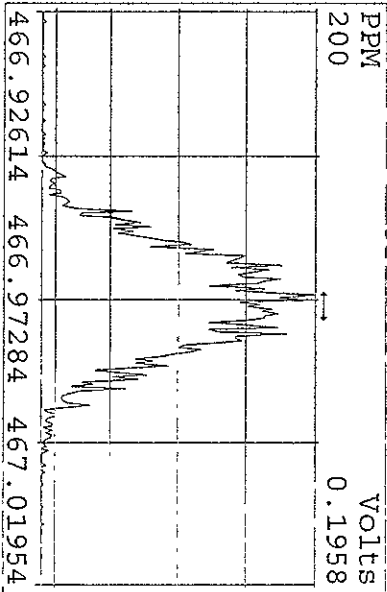
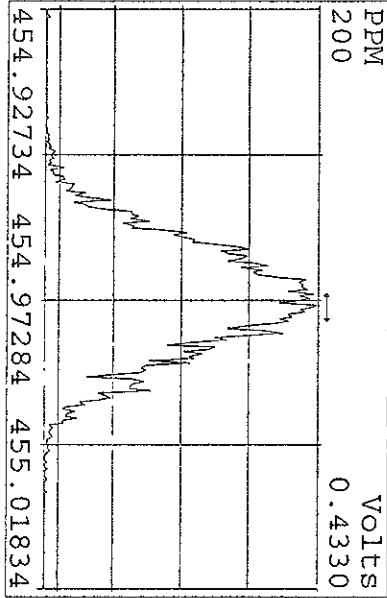
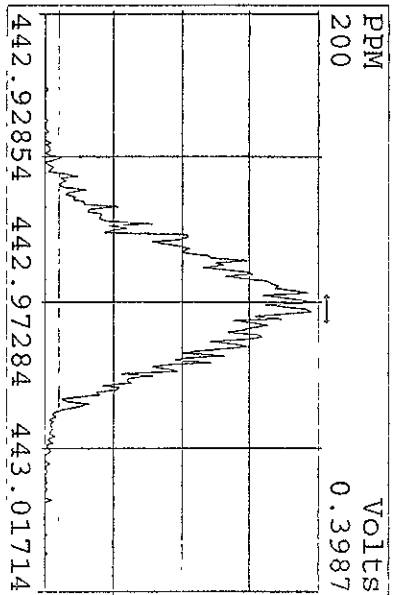
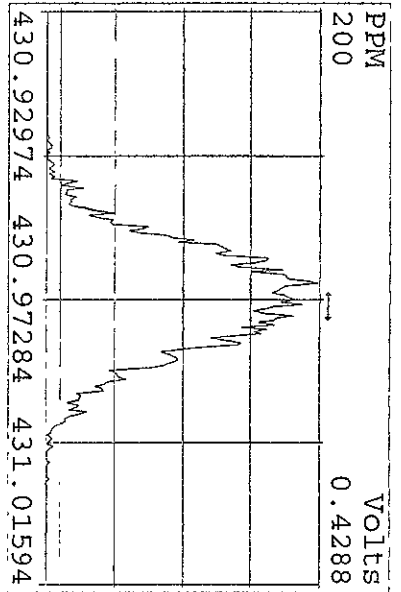
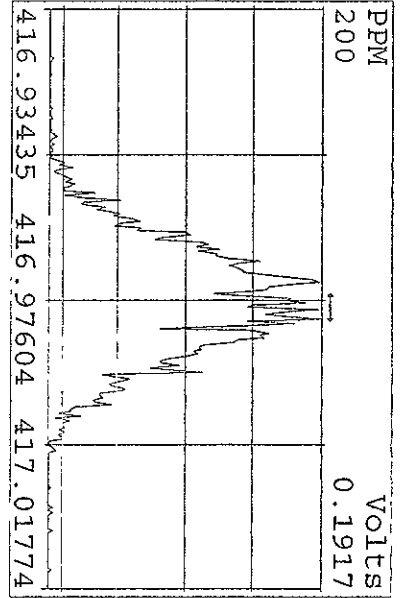
Peak Locate Examination: 3-MAY-2009:20:15 File:01MY099D5ENDRES  
 Experiment:209DB5 Function:4 Reference:PFK



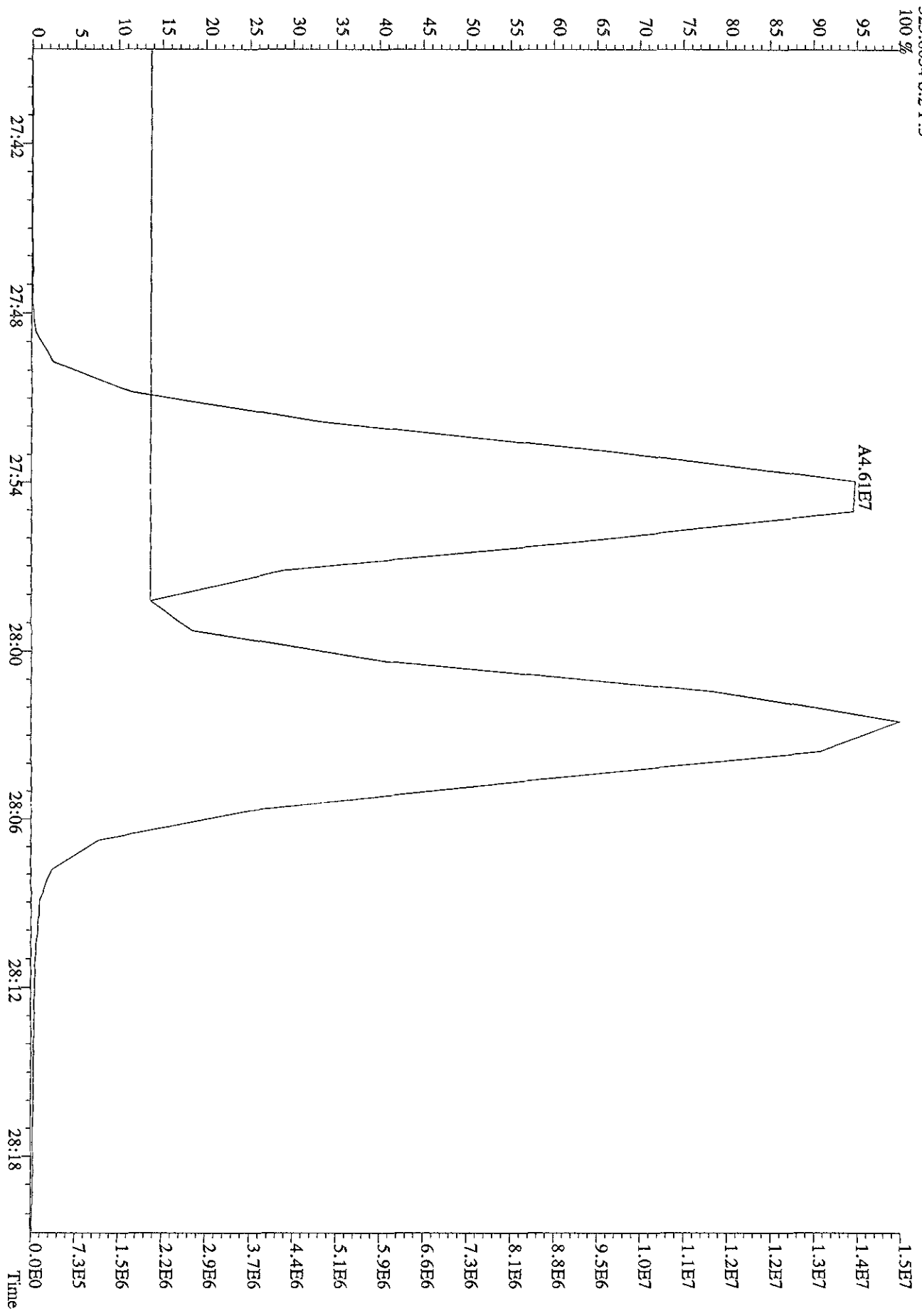
Peak Locate Examination: 3-MAY-2009:20:16 File:01MY099D5ENDRES  
 Experiment:209DB5 Function:5 Reference:PFK



Peak Locate Examination: 3-MAY-2009:20:16 File:01MY099D5ENDRRES  
 Experiment:209DB5 Function:5 Reference:PFK



File:01MY099D5 #1-594 Acq: 1-MAY-2009 13:39:48 GC EI+ Volage SIR Autospec-Ultimate  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 323.8834 S:2 F:3



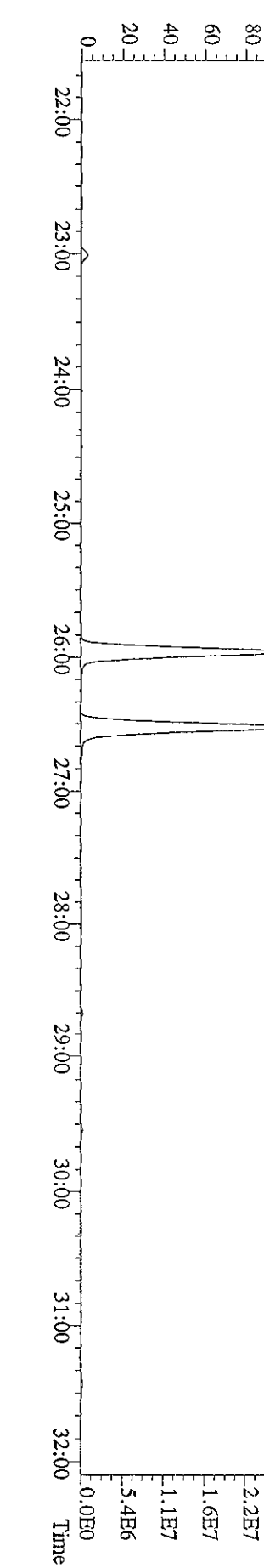
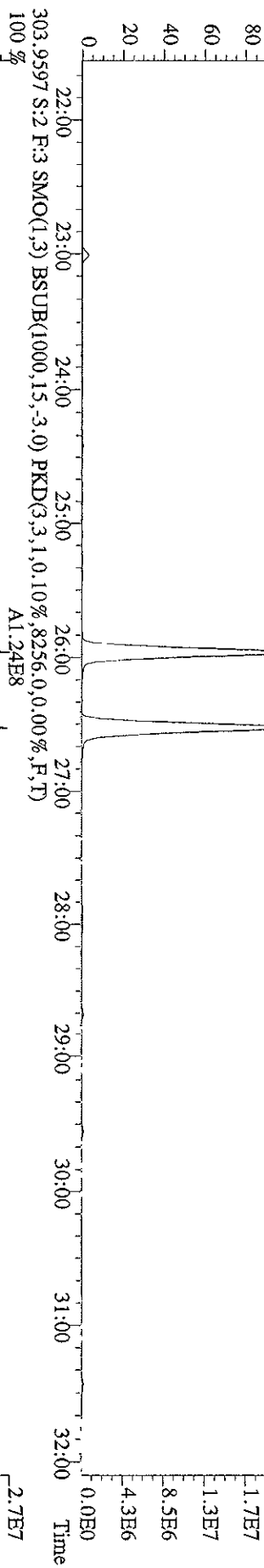
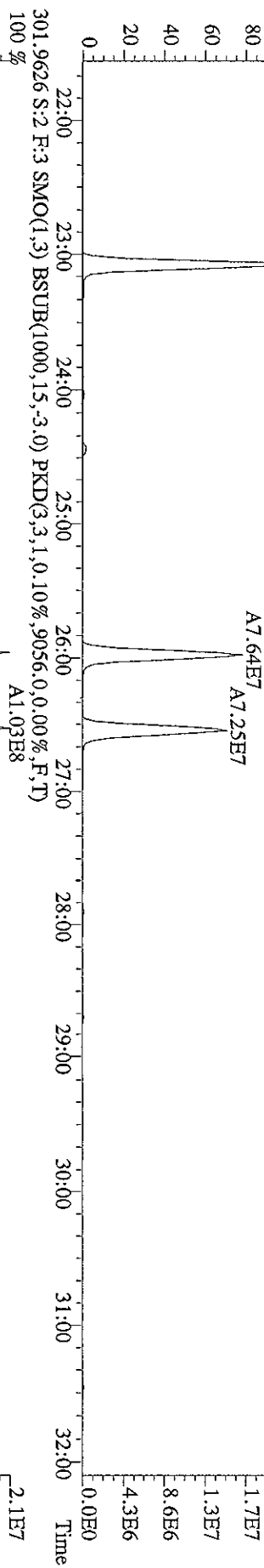
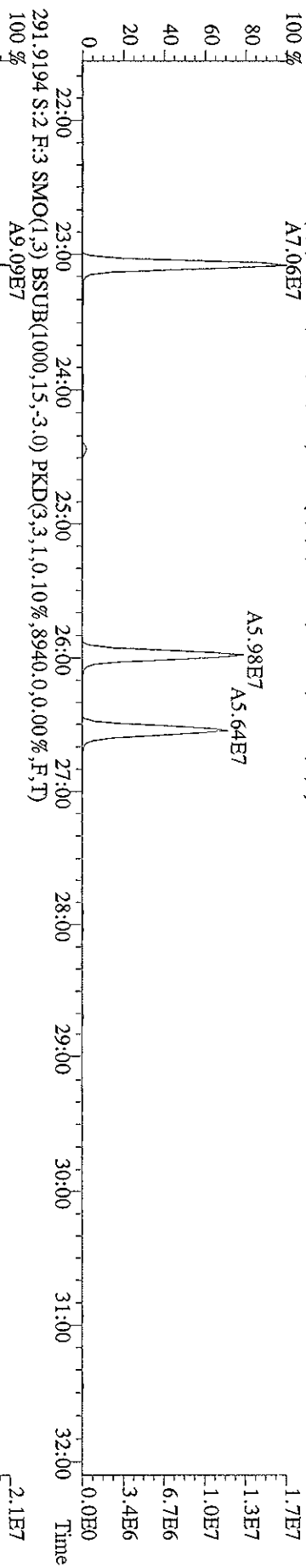
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 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

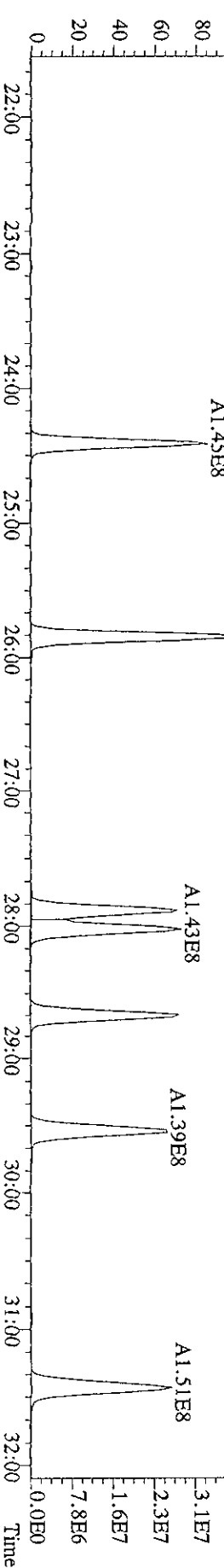
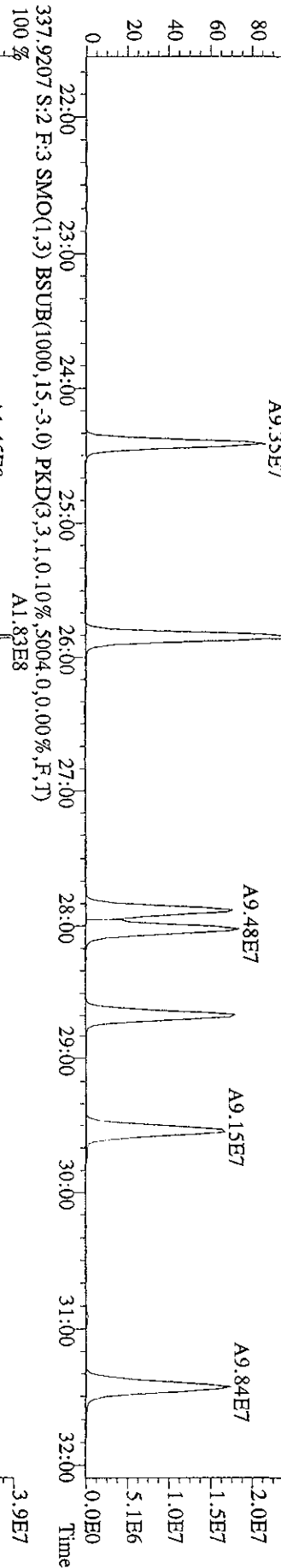
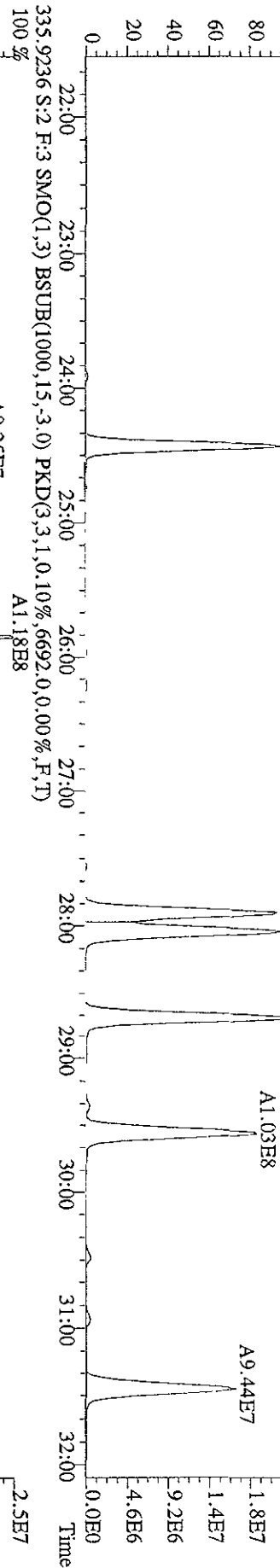
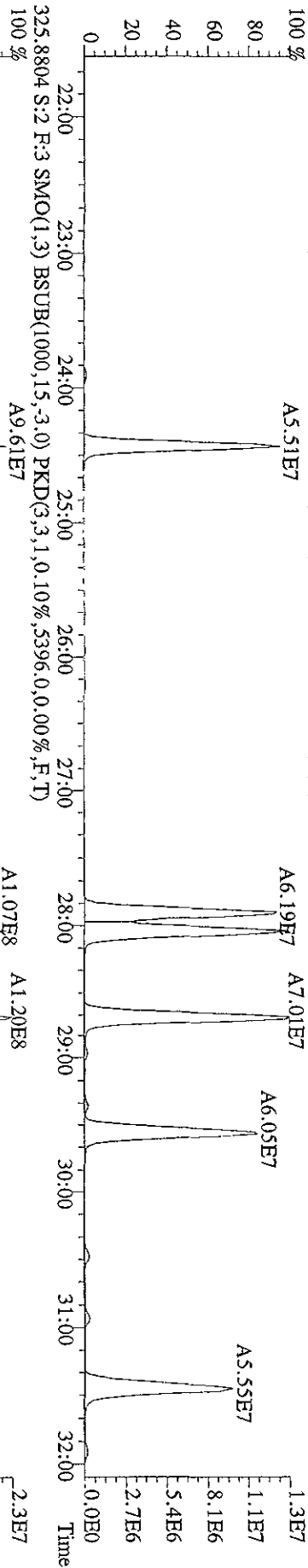
15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	S1 RRF1	S2 RRF2	S3 RRF3	S4 RRF4	S5 RRF5
13C-PeCB-101	-	-	- %	-	-	-	-	-
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PeCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PeCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PeCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PeCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PeCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PeCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PeCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PeCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PeCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PeCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HxCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HxCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HxCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HxCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HxCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HxCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HxCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HpCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HpCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HpCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HpCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DecB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DecB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

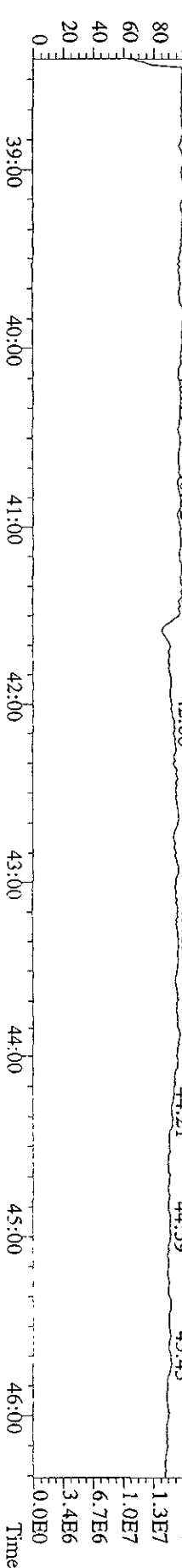
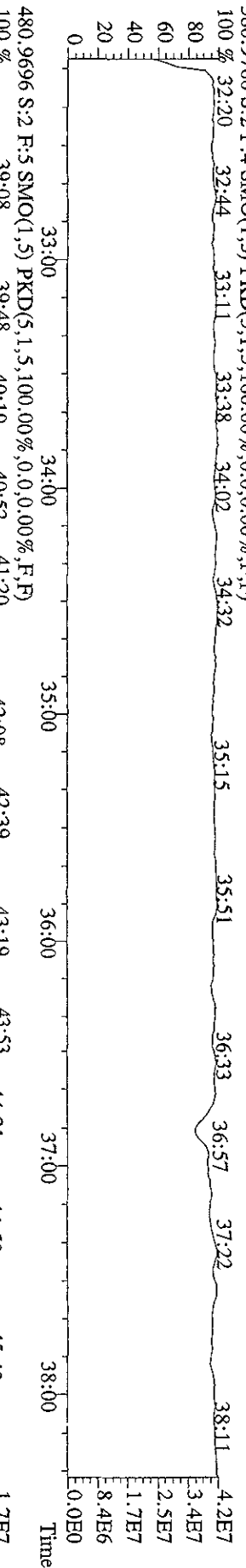
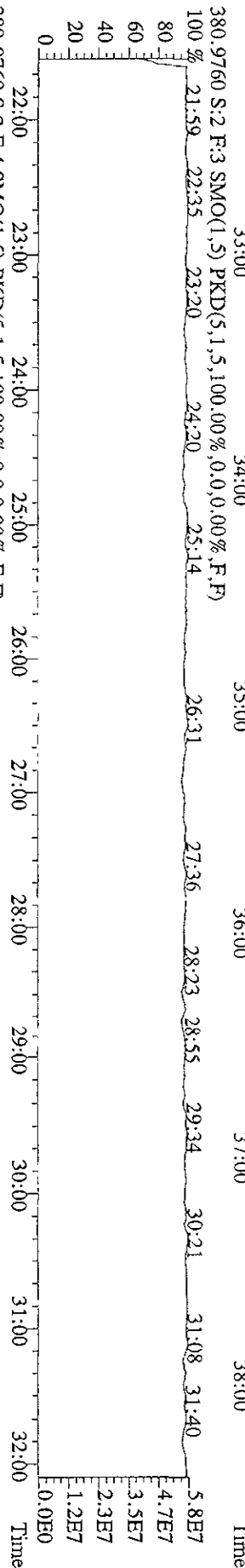
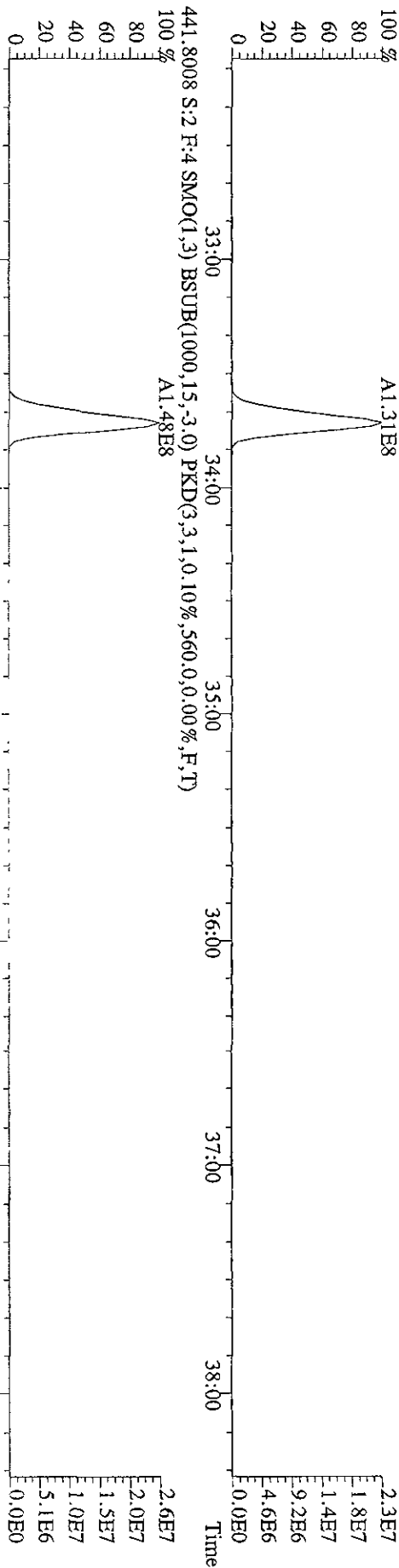
File:01MY099D5 #1-594 Acq: 1-MAY-2009 13:39:48 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST10501A :CS3 09DXN016 Exp:209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5828,0,0,00%,F,T)  
 100%







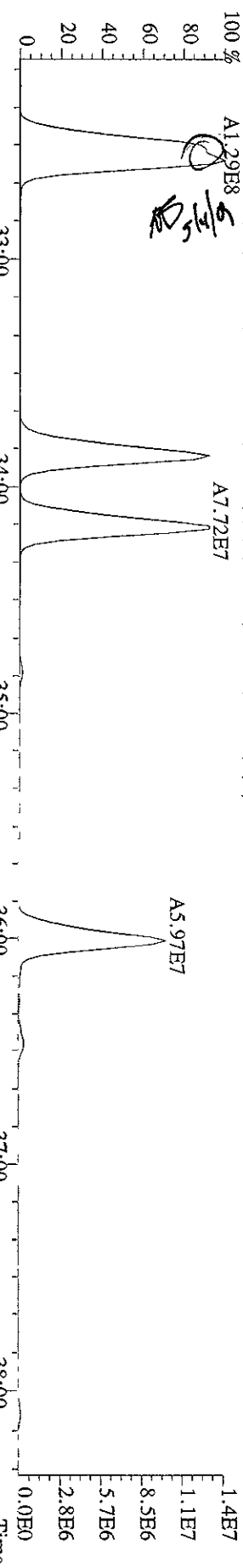
File:01MAY099D5 #1-381 Acq: 1-MAY-2009 13:39:48 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 439.8038 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1.0,10%,732.0,0.00%,F,T)  
 100% A1.31E8



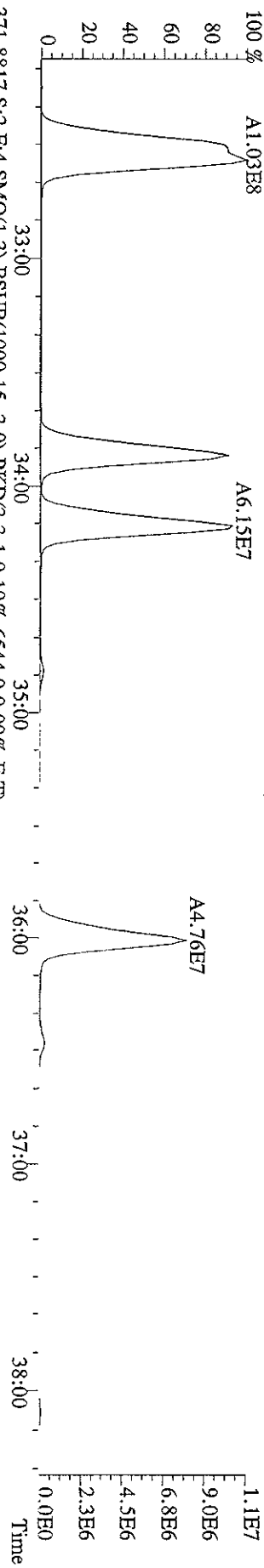
Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5

359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5636,0,0,00%,F,T)

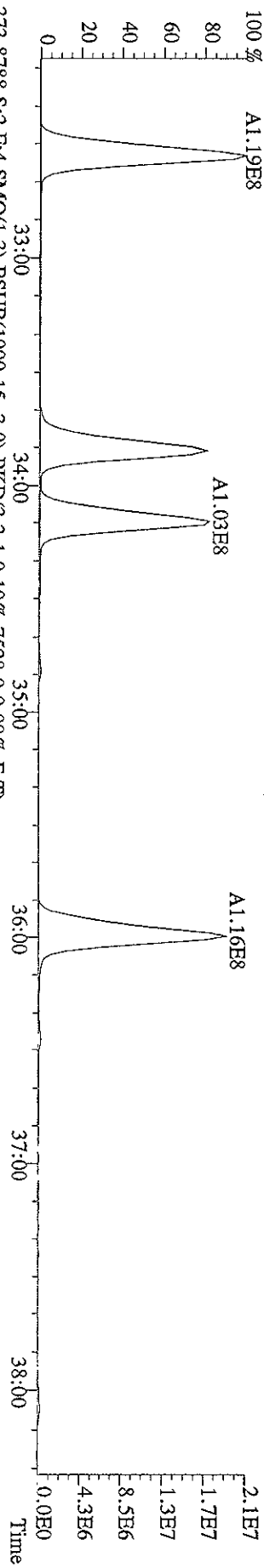
6/15/09



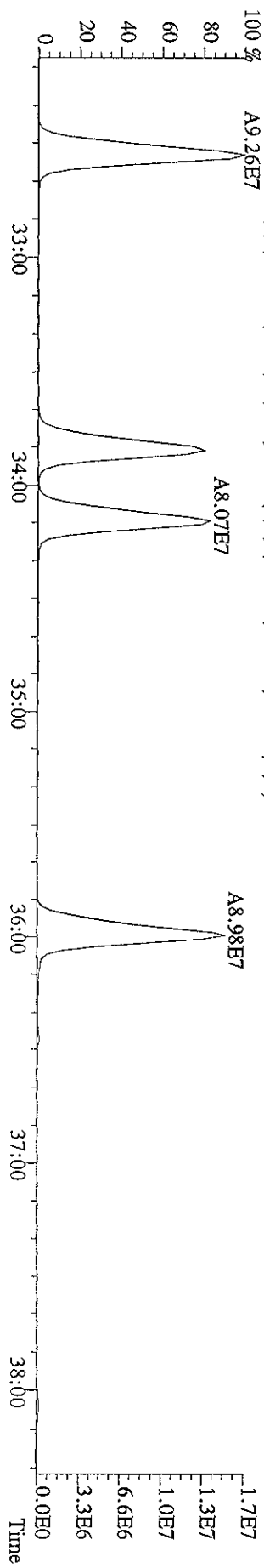
361.8385 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6132,0,0,00%,F,T)



371.8817 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6544,0,0,00%,F,T)



373.8788 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7528,0,0,00%,F,T)

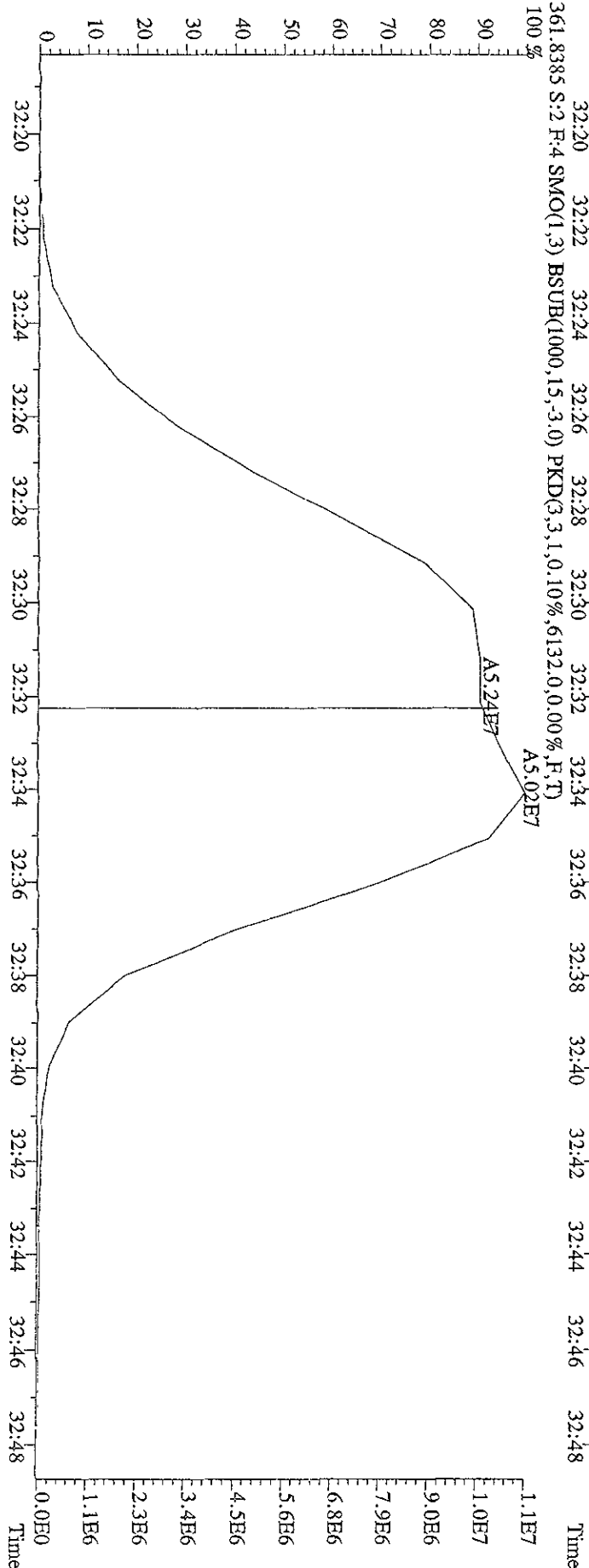
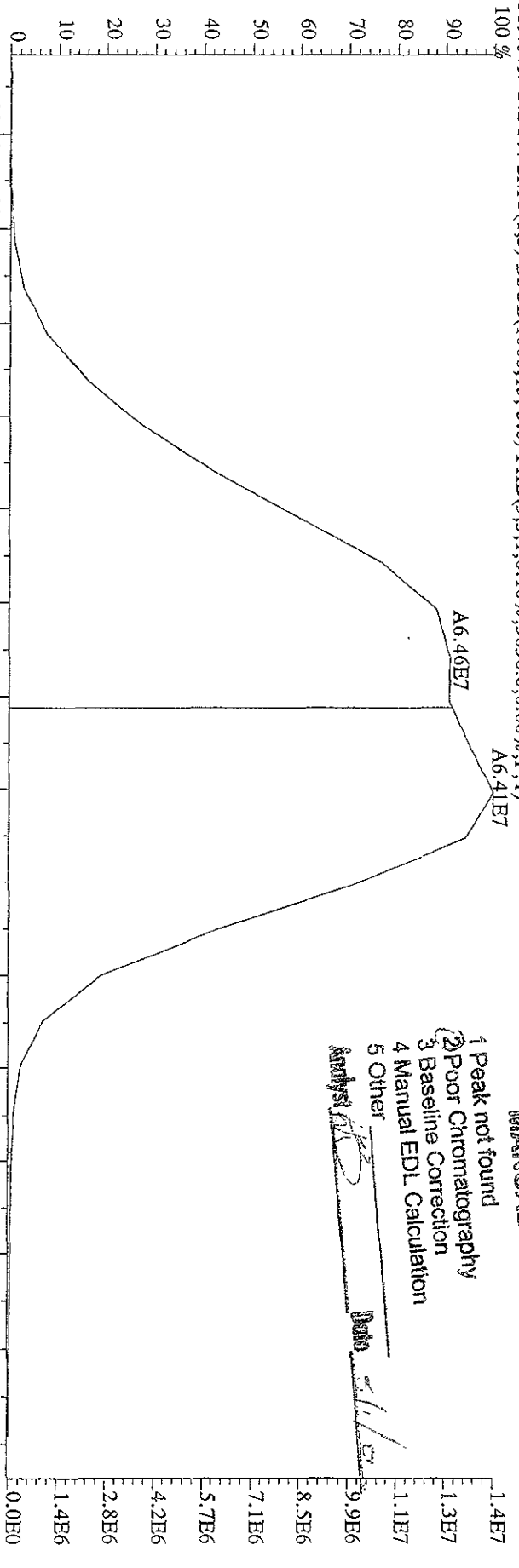


File:01MAY09D5 #1-381 Acq: 1-MAY-2009 13:39:48 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 359,8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5636,0,0,00%,F,T)

**MANUAL EDIT CODES**

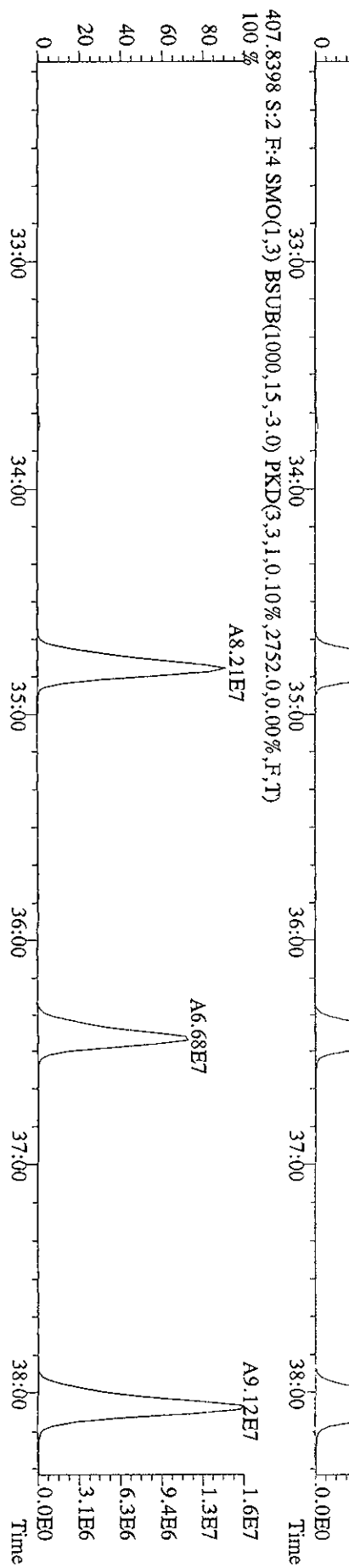
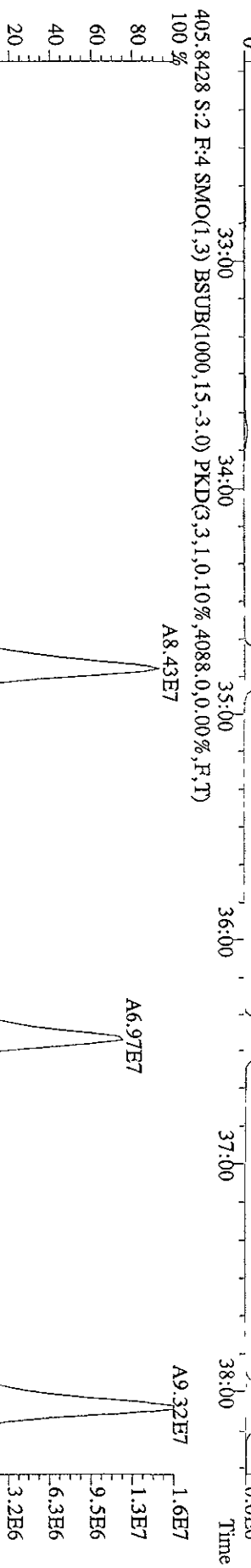
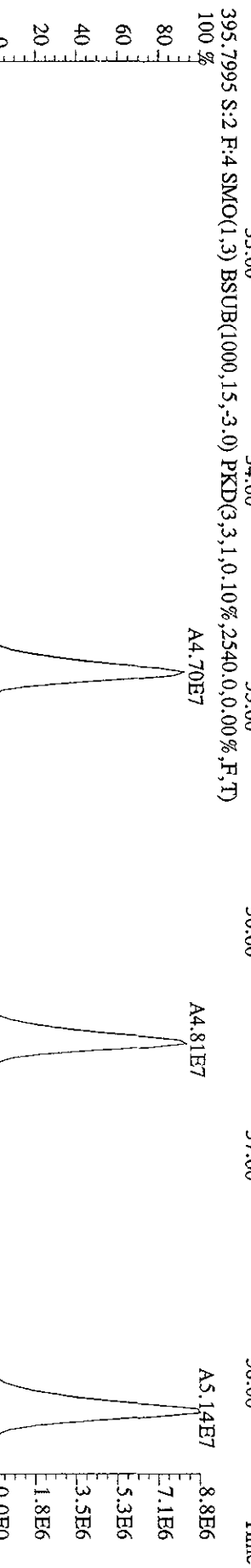
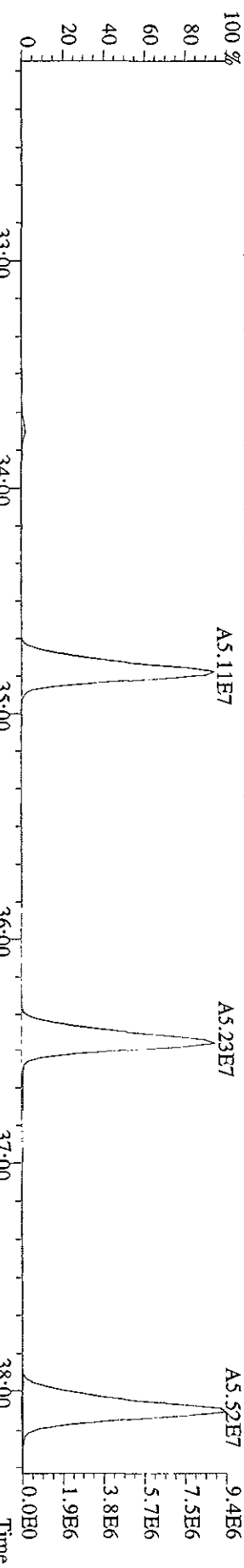
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst: *[Signature]* Date: 5/11/09

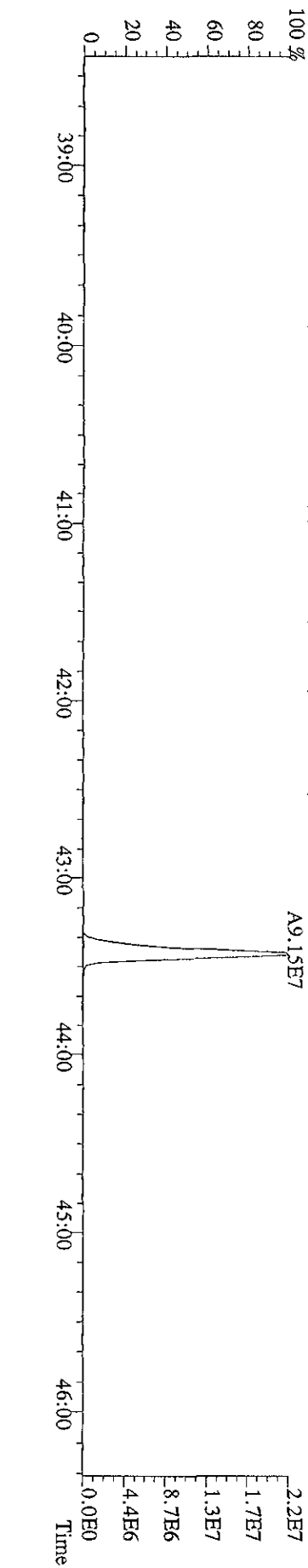
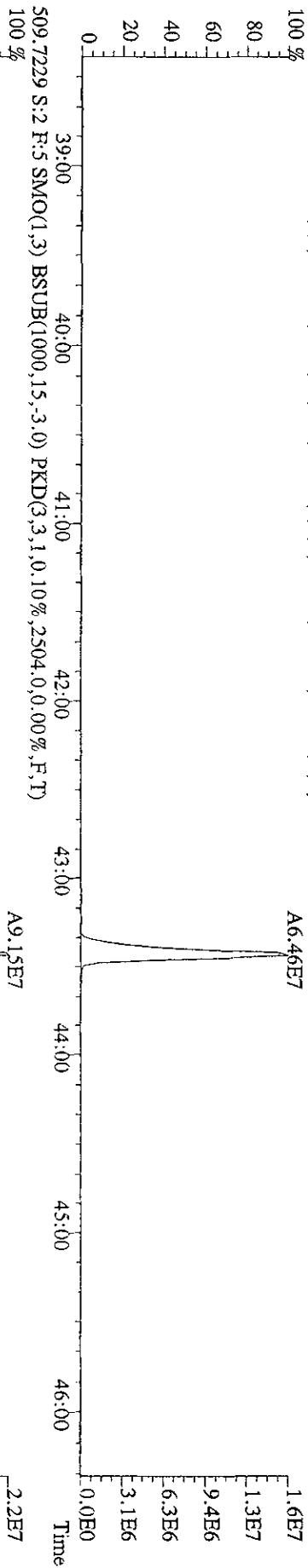
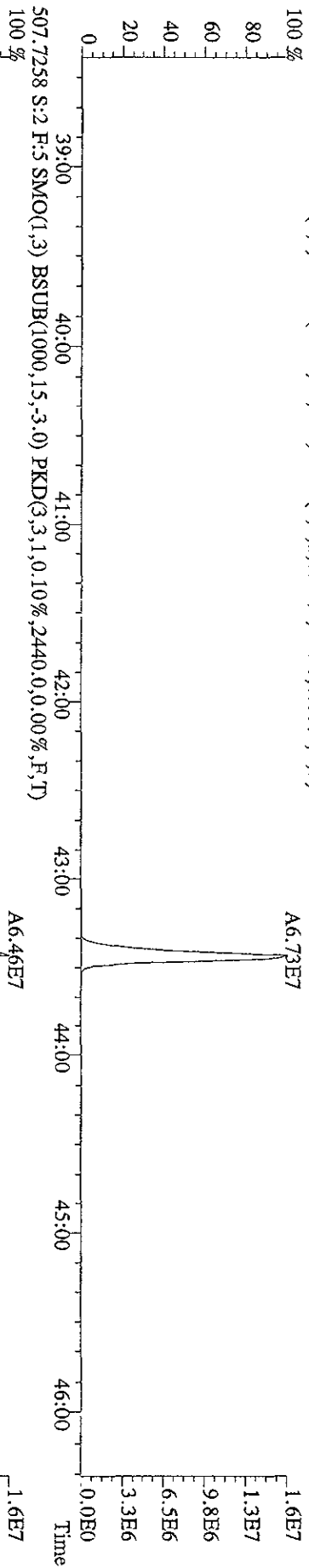
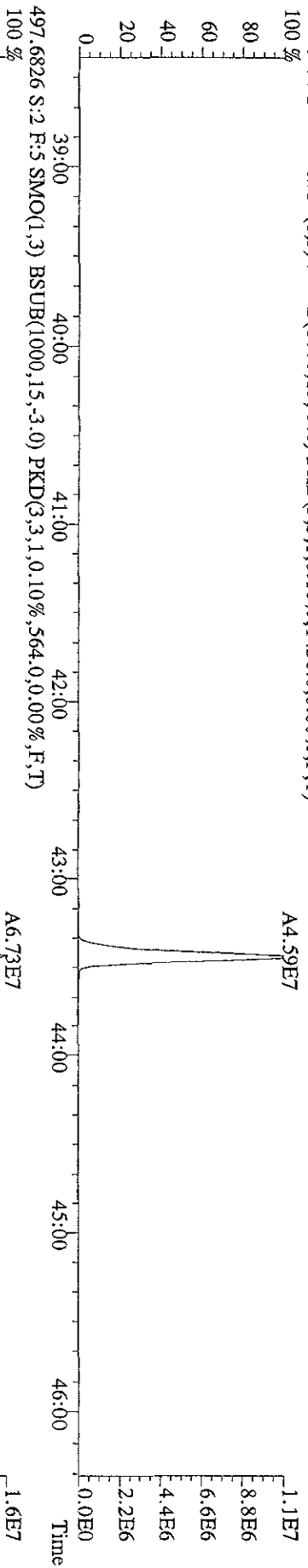


361.8385 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6132,0,0,00%,F,T)  
 100%

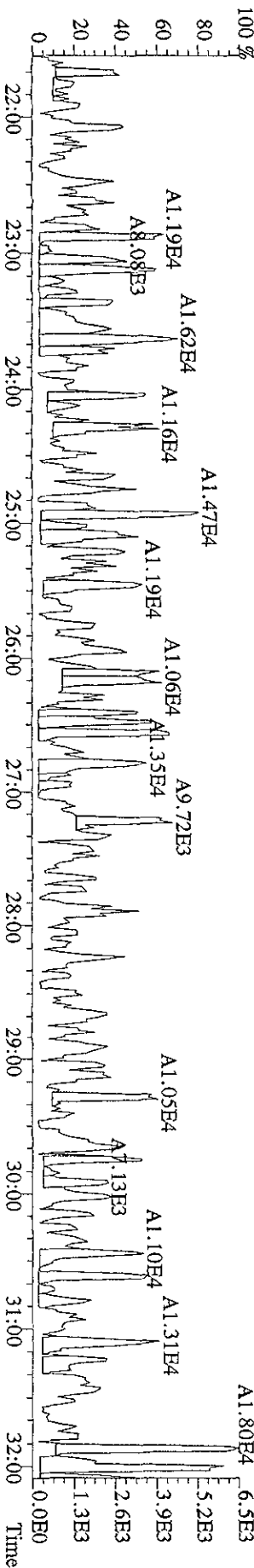
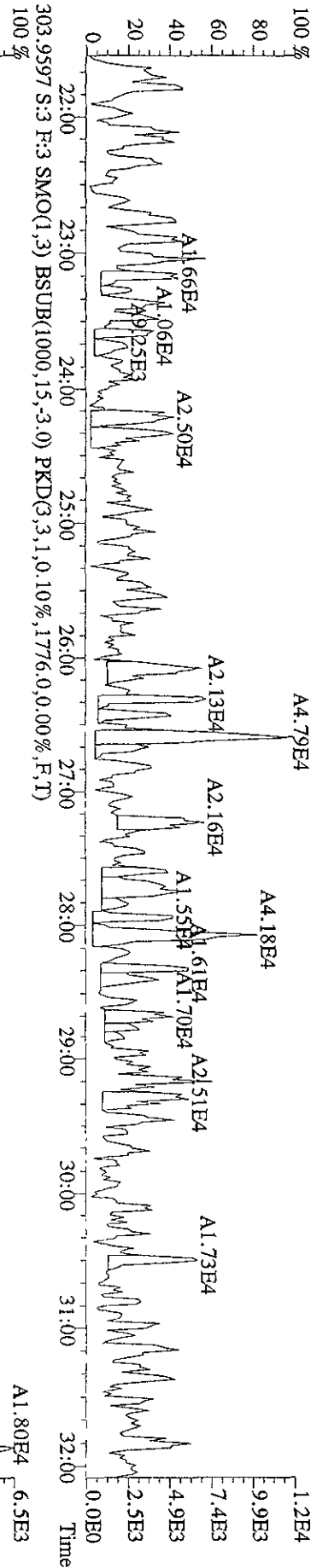
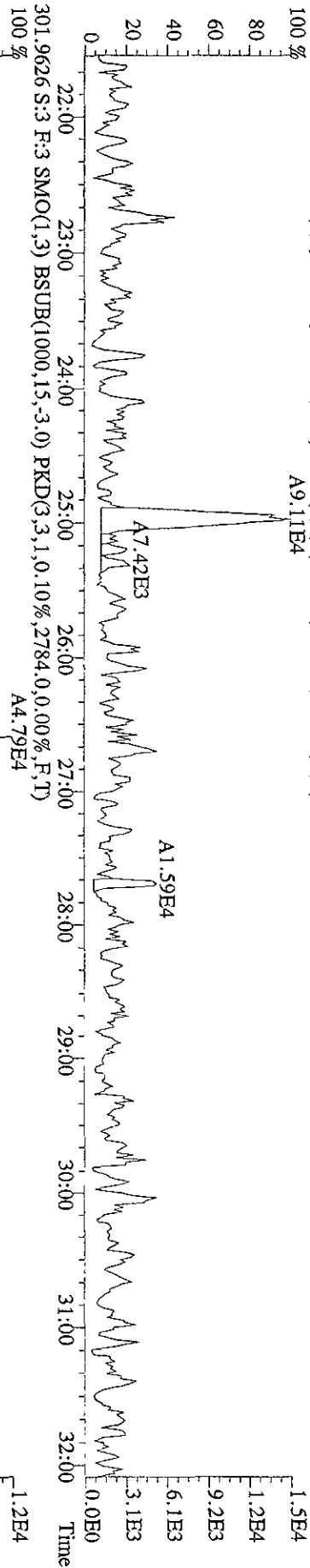
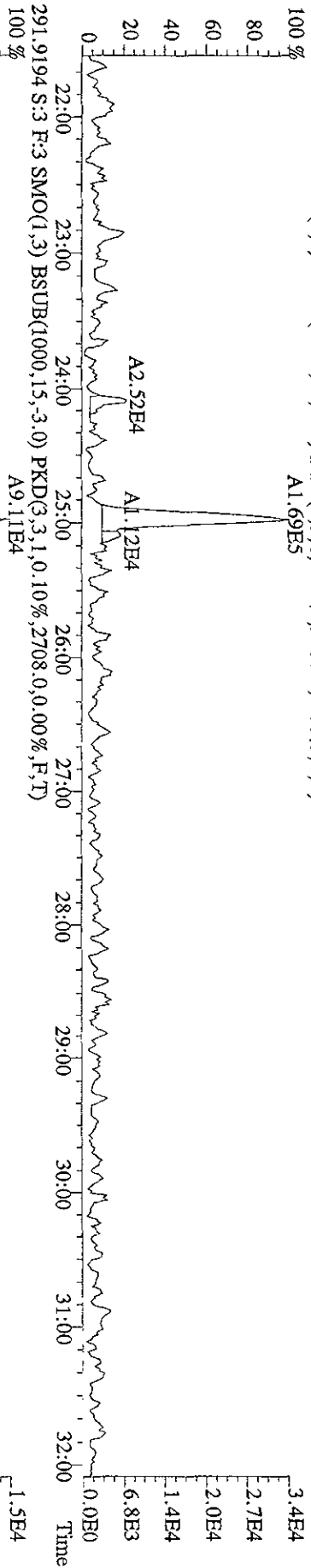
File:01MYY099D5 #1-381 Acq: 1-MAY-2009 13:39:48 GC.HI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4664,0.0,0.00%,F,T)



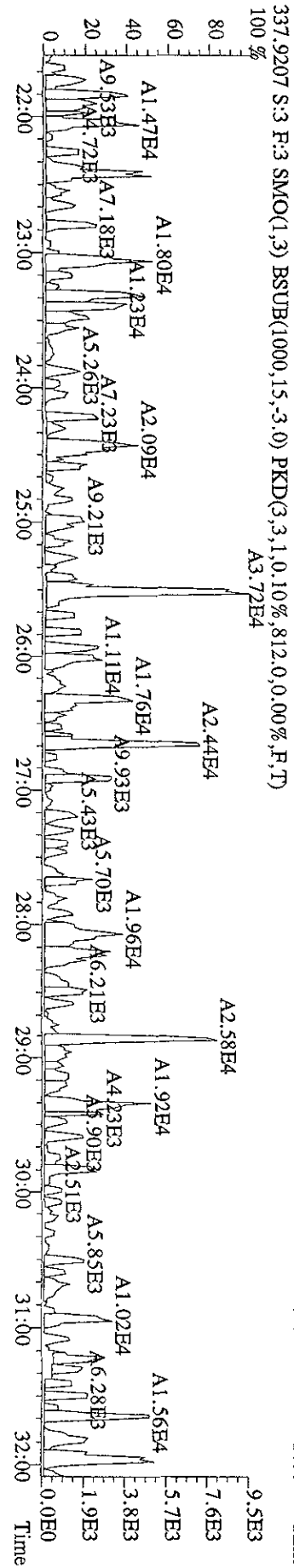
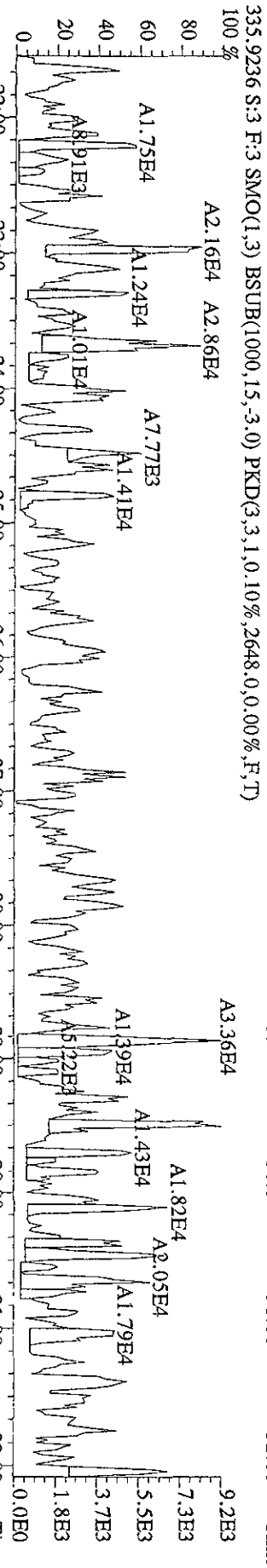
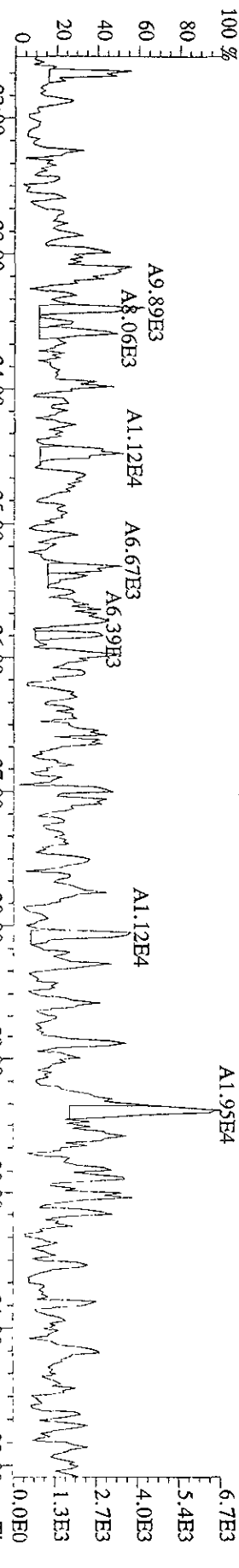
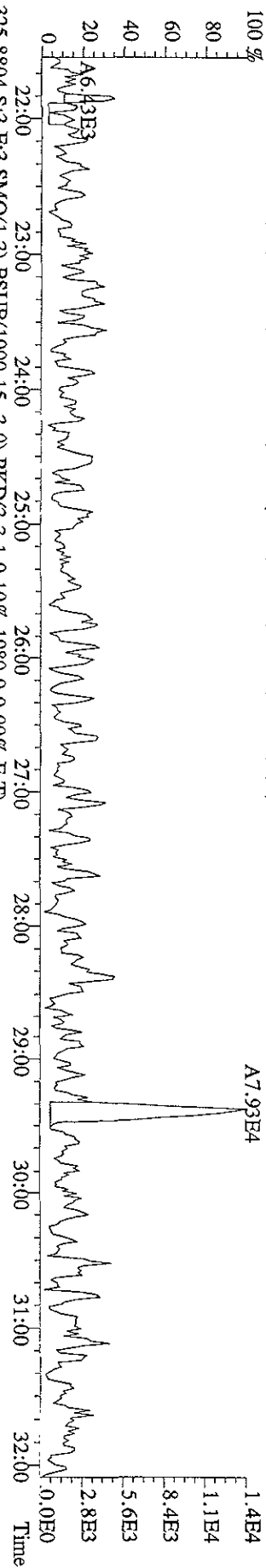
File:01MAY099D5 #1-529 Acq: 1-MAY-2009 13:39:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0501A :CS3 09DXN016 Exp:209DB5  
 495.6856 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1436,0,0.00%,F,T)



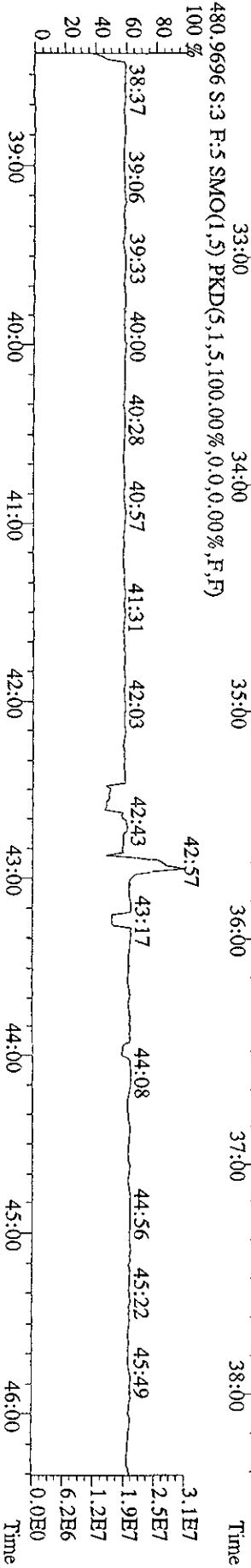
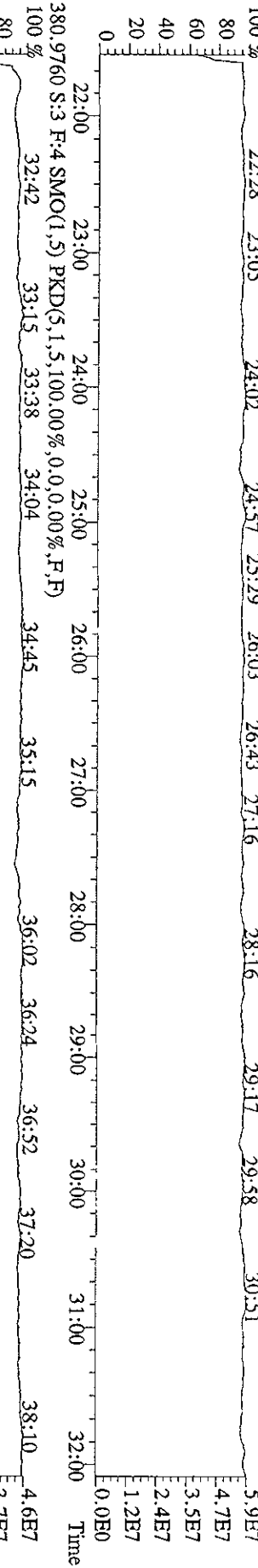
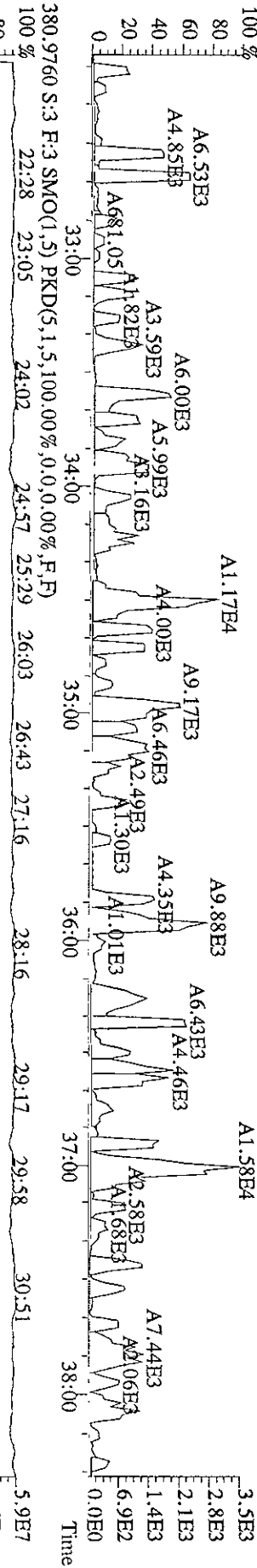
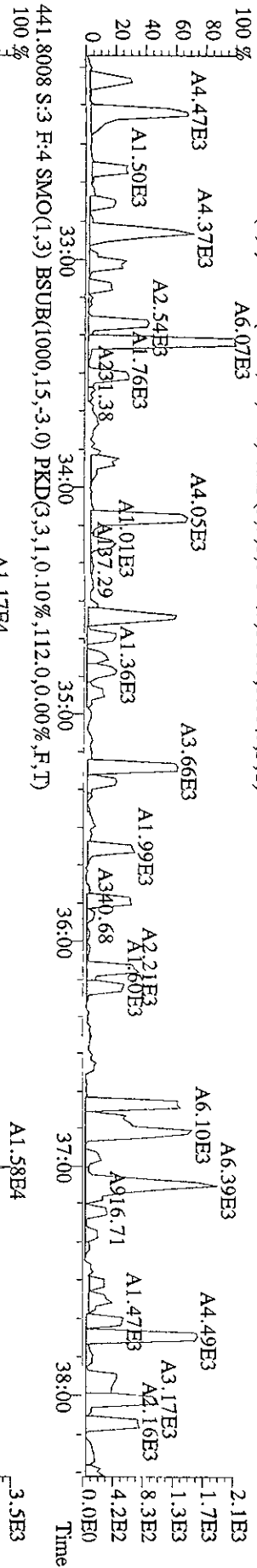
File:01IMY099D5 #1-594 Acq: 1-MAY-2009 14:31:03 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2900,0,0,00%,F,T)  
 100%



File:01MYY099D5 #1-594 Acq: 1-MAY-2009 14:31:03 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,2740,0,0.00%,F,T)

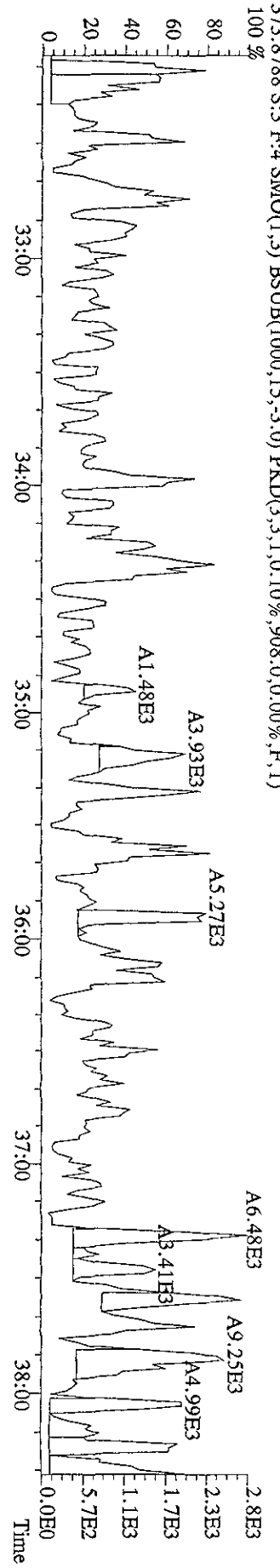
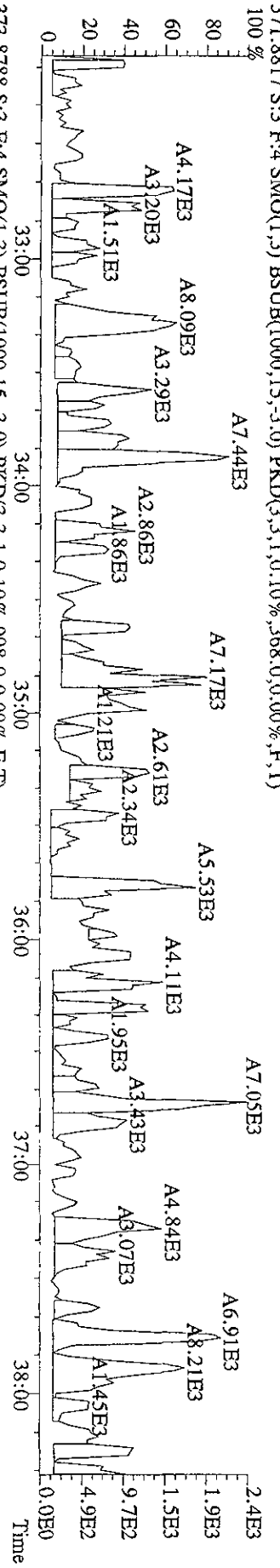
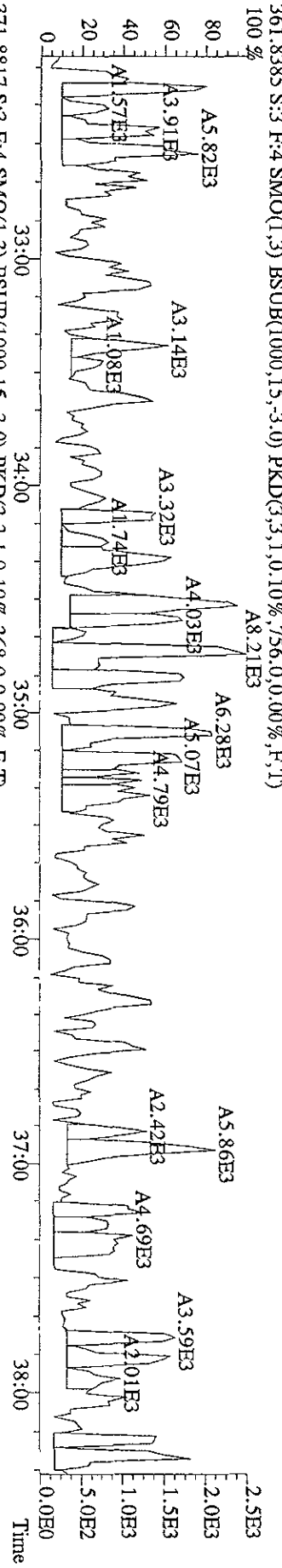
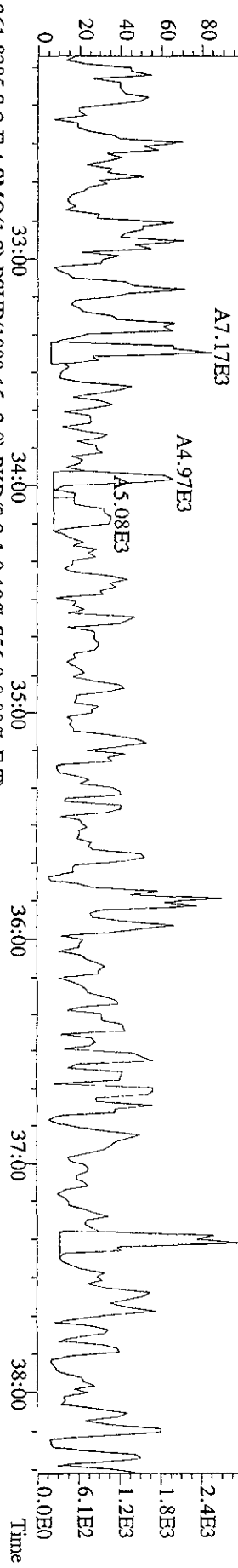


File:01MYY099D5 #1-381 Acq: 1-MAY-2009 14:31:03 GC EI+ Volage SIR Autospec-Ultimate  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 439.8038 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,108,0,0.00%,F,T)  
 100% A6.07E3

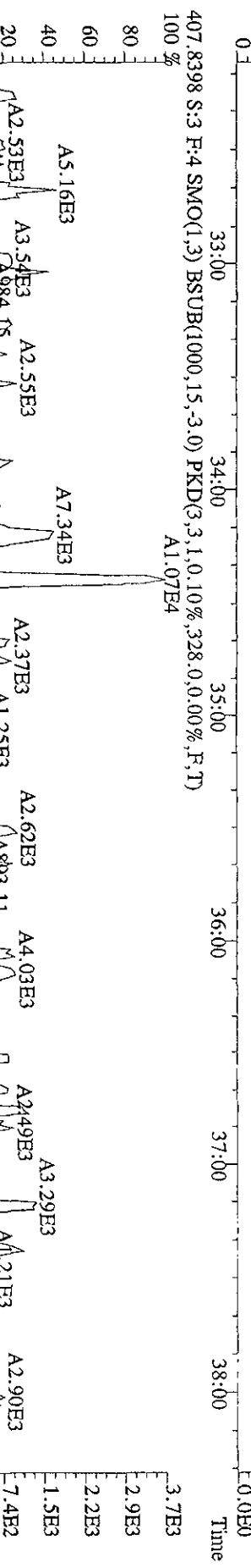
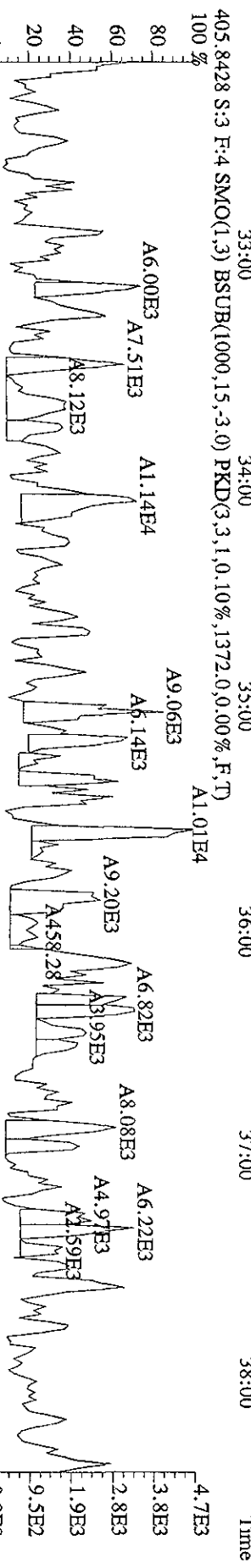
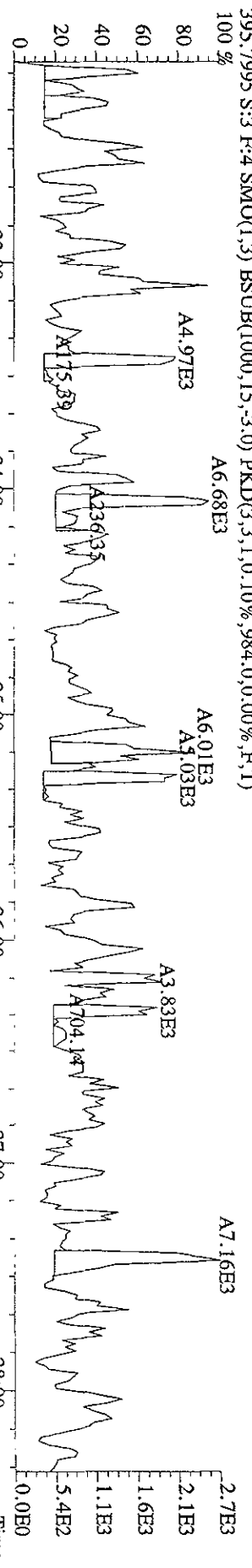
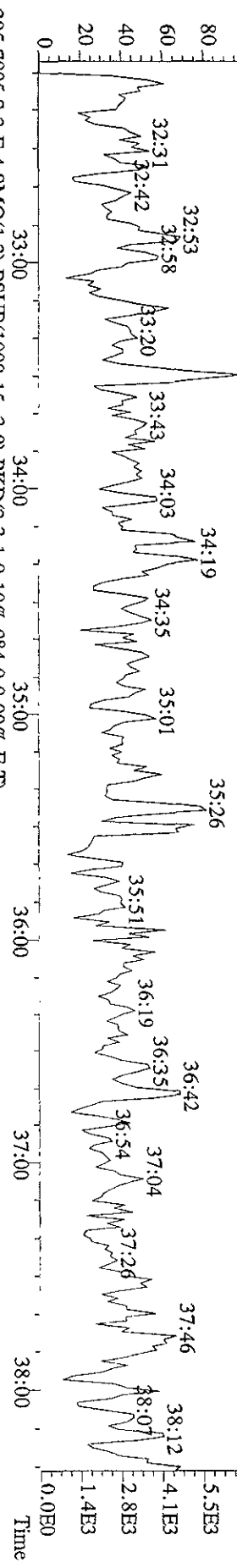




File:01MYY099D5 #1-381 Acq: 1-MAY-2009 14:31:03 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 359.8415 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1260.0,0.00%,F,T)

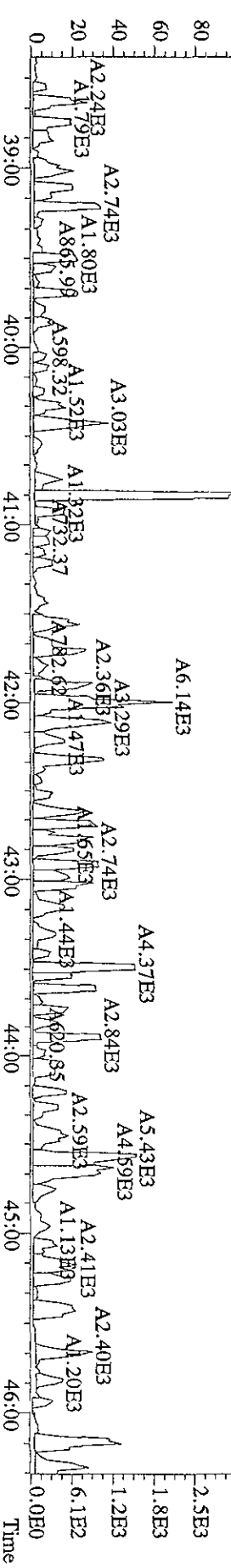
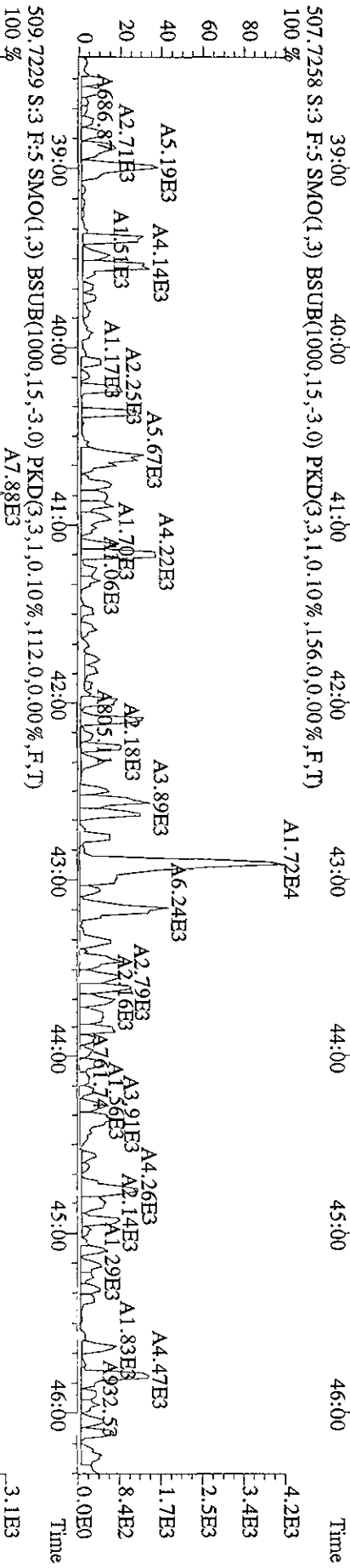
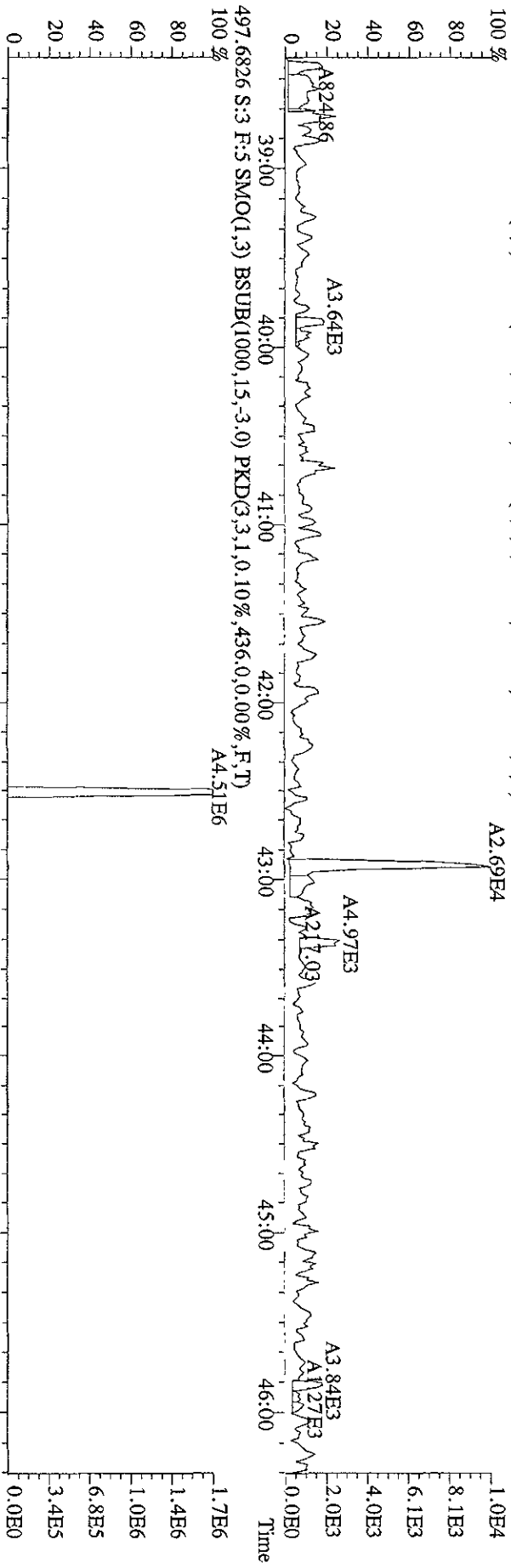


File:01MAY099D5 #1-381 Acq: 1-MAY-2009 14:31:03 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3588,0,0,00%,F,T)  
 100 %



407.8398 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,328,0,0,00%,F,T)  
 100 %

File:01MAY09D5 #1-529 Acq: 1-MAY-2009 14:31:03 GC EI+ Voltage S1R Autospec-UltimaE  
 Sample#3 Text:SB0501 :Solvent Blank C-12 Exp:209DB5  
 495.6856 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1076,0,0,00%,F,T)



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID (1668MSL, 1668MDBS, 1668MSL DEL, LEGS PCBs) 0115099D5  
 Method ID 1668M Date Scanned 4/28/09 gjs  
 Column ID DB-5 Instrument ID 9D5  
 STD ID's STO115 + STO115(A-D) STD Solution CPD XN (014-018)  
 GC Program 209DB5 Multiplier Setting 404  
 Analyzed By AM/KAS Date Analyzed 1/15/09  
 Prepared By KAS Date Prepared 1/16/09  
 Reviewed By M.G. Date Reviewed 1/19/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	/	/
Hardcopies of chromatograms for CS1-CS5 present?	/	/
Copy of log-file present?	/	/
Static resolution check present?	/	/
Target file RT's correct?	/	/
%RSD within method-specified limits?*	/	/
Signal-to-noise criteria met?	/	/
Isotopic ratios within limits?	/	/
High point free of saturation?	/	/
Are chromatographic windows correct?	/	/
Manual reintegration's checked and hardcopies included?	/	/

COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for natives and ±40% for labeled compounds; S/N ≥ 2.5  
 1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 2.5

Run: CAL Analyte: 1668MSLDEB Cal: 1668MSLDECO115099DS

ST0115 :CS1 09DXN014 ST0115A :CS2 09DXN015 ST0115B :CS3 09DXN016  
 ST0115C :CS4 09DXN017 ST0115D :CS5 09DXN018

15JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D515JA09D9D5

Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
13C-TCB-81	0.947	0.026	2.77 %	0.93	0.95	0.94	0.92	0.99
TCB-81	1.278	0.021	1.65 %	1.30	1.29	1.28	1.25	1.26
13C-TCB-77	0.982	0.024	2.43 %	0.97	1.01	0.97	0.96	1.00
TCB-77	1.103	0.060	5.45 %	1.01	1.08	1.16	1.10	1.16
13C-PCB-123	0.871	0.034	3.96 %	0.83	0.90	0.87	0.84	0.91
PCB-123	1.509	0.042	2.75 %	1.53	1.56	1.51	1.47	1.47
13C-PCB-118	0.985	0.021	2.17 %	0.97	0.98	0.99	0.96	1.02
PCB-118/106	1.528	0.032	2.09 %	1.53	1.57	1.55	1.50	1.50
13C-PCB-114	0.966	0.032	3.34 %	0.95	0.96	0.96	0.93	1.02
PCB-114	1.585	0.060	3.78 %	1.63	1.66	1.58	1.52	1.53
13C-PCB-105	0.897	0.027	3.04 %	0.88	0.91	0.88	0.87	0.94
PCB-105/127	1.422	0.044	3.07 %	1.43	1.49	1.43	1.38	1.39
13C-PCB-126	0.912	0.057	6.22 %	0.88	0.95	0.88	0.86	0.99
PCB-126	1.173	0.024	2.05 %	1.16	1.15	1.20	1.16	1.19
13C-OCB-202	-	-	- %	-	-	-	-	-
13C-HXCB-167	0.842	0.039	4.69 %	0.80	0.85	0.84	0.81	0.90
HXCB-167	1.169	0.065	5.58 %	1.11	1.19	1.15	1.27	1.13
13C-HXCB-156	0.670	0.035	5.27 %	0.63	0.68	0.67	0.65	0.72
HXCB-156	1.452	0.027	1.83 %	1.48	1.47	1.46	1.43	1.42
13C-HXCB-157	0.707	0.037	5.24 %	0.68	0.73	0.71	0.67	0.76
HXCB-157	1.446	0.022	1.50 %	1.47	1.46	1.45	1.43	1.41
13C-HXCB-169	0.733	0.065	8.90 %	0.69	0.77	0.72	0.66	0.82
HXCB-169	0.989	0.040	4.03 %	0.92	0.98	1.01	1.01	1.01
13C-HPCB-180	0.585	0.020	3.35 %	0.58	0.59	0.59	0.55	0.61
HPCB-180	1.265	0.049	3.90 %	1.23	1.35	1.27	1.25	1.23
13C-HPCB-170	0.474	0.021	4.37 %	0.46	0.48	0.48	0.45	0.51
HPCB-170/190	1.606	0.066	4.08 %	1.70	1.64	1.59	1.56	1.54

13C-HpCB-189	0.599	0.043	7.22 %	0.58	0.63	0.58	0.55	0.66
HpCB-189	1.206	0.061	5.08 %	1.10	1.24	1.25	1.22	1.22
13C-DeCB-209	0.460	0.039	8.40 %	0.44	0.49	0.44	0.41	0.51
DeCB-209	1.505	0.044	2.96 %	1.57	1.51	1.50	1.45	1.50
13C-PeCB-111	1.357	0.050	3.67 %	1.39	1.39	1.36	1.37	1.27

Run #1    Filename 15JA09D9D5    S: 1    I: 1  
 Acquired: 15-JAN-09    20:25:19    Processed: 16-JAN-09    15:15:27  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115 :CS1 09DXN014

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	199610800	0.65 y	25:23	-	100.00 n
13C-TCB-81	185693700	0.78 y	27:00	0.9303	100.00 n
TCB-81	2422266	0.68 y	27:01	1.3044	1.00 n
13C-TCB-77	194359500	0.80 y	27:34	0.9737	100.00 n
TCB-77	1969891	0.83 y	27:35	1.0135	1.00 n
13C-PeCB-123	166450700	0.65 y	28:54	0.8339	100.00 n
PeCB-123	2551600	0.67 y	28:55	1.5329	1.00 n
13C-PeCB-118	192926200	0.65 y	29:02	0.9665	100.00 n
PeCB-118/106	2948540	0.56 y	29:03	1.5283	1.00 n
13C-PeCB-114	190199200	0.65 y	29:41	0.9528	100.00 n
PeCB-114	3091930	0.56 y	29:42	1.6256	1.00 n
13C-PeCB-105	175973900	0.66 y	30:34	0.8816	100.00 n
PeCB-105/127	2519762	0.57 y	30:35	1.4319	1.00 n
13C-PeCB-126	176574800	0.65 y	32:30	0.8846	100.00 n
PeCB-126	2054057	0.56 y	32:31	1.1633	1.00 n
13C-OcCB-202	212477100	0.87 y	34:43	-	100.00 n
13C-HxCB-167	170138000	1.26 y	33:36	0.8007	100.00 n
HxCB-167	1881460	1.19 y	33:37	1.1058	1.00 y
13C-HxCB-156	134149800	1.28 y	34:53	0.6314	100.00 n
HxCB-156	1989175	1.35 y	34:54	1.4828	1.00 y
13C-HxCB-157	143553000	1.26 y	35:12	0.6756	100.00 n
HxCB-157	2106500	1.23 y	35:13	1.4674	1.00 n
13C-HxCB-169	146322800	1.26 y	37:05	0.6887	100.00 n
HxCB-169	1350130	1.32 y	37:06	0.9227	1.00 n
13C-HpCB-180	124212300	1.03 y	35:49	0.5846	100.00 n
HpCB-180	1524803	1.00 y	35:50	1.2276	1.00 n
13C-HpCB-170	97418600	1.05 y	37:29	0.4585	100.00 n
HpCB-170/190	1658961	1.09 y	37:30	1.7029	1.00 n
13C-HpCB-189	123177500	1.04 y	39:07	0.5797	100.00 n
HpCB-189	1353507	1.09 y	39:08	1.0988	1.00 n
13C-DeCB-209	93890300	0.73 y	44:04	0.4419	100.00 n
DECB-209	1476592	0.79 y	44:05	1.5727	1.00 n
13C-PeCB-111	251775800	0.65 y	26:50	1.3881	100.00 n



Run #2    Filename 15JA09D9D5    S: 2    I: 1  
 Acquired: 15-JAN-09    21:16:36    Processed: 16-JAN-09    15:15:28  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5  
 Comments:

Sample text: ST0115A :CS2 09DXN015

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	260995000	0.65 y	25:23	-	100.00 n
13C-TCB-81	249140000	0.78 y	26:59	0.9546	100.00 n
TCB-81	16061260	0.76 y	27:00	1.2893	5.00 n
13C-TCB-77	264238000	0.77 y	27:34	1.0124	100.00 n
TCB-77	14325810	0.78 y	27:35	1.0843	5.00 n
13C-PeCB-123	234556000	0.65 y	28:54	0.8987	100.00 n
PeCB-123	18341690	0.59 y	28:55	1.5639	5.00 n
13C-PeCB-118	256914000	0.65 y	29:03	0.9844	100.00 n
PeCB-118/106	20151520	0.57 y	29:04	1.5687	5.00 n
13C-PeCB-114	250979200	0.66 y	29:41	0.9616	100.00 n
PeCB-114	20878680	0.58 y	29:42	1.6638	5.00 n
13C-PeCB-105	236551000	0.66 y	30:35	0.9063	100.00 n
PeCB-105/127	17595610	0.59 y	30:36	1.4877	5.00 n
13C-PeCB-126	248209700	0.65 y	32:31	0.9510	100.00 n
PeCB-126	14246760	0.58 y	32:32	1.1480	5.00 n
13C-OcCB-202	281047000	0.88 y	34:44	-	100.00 n
13C-HxCB-167	239554000	1.25 y	33:35	0.8524	100.00 n
HxCB-167	14283760	1.30 y	33:36	1.1925	5.00 y
13C-HxCB-156	191560200	1.29 y	34:54	0.6816	100.00 n
HxCB-156	14097740	1.24 y	34:55	1.4719	5.00 n
13C-HxCB-157	203989500	1.25 y	35:13	0.7258	100.00 n
HxCB-157	14921860	1.23 y	35:14	1.4630	5.00 n
13C-HxCB-169	217321000	1.26 y	37:06	0.7733	100.00 n
HxCB-169	10658530	1.26 y	37:07	0.9809	5.00 n
13C-HpCB-180	164976900	1.05 y	35:50	0.5870	100.00 n
HpCB-180	11114430	1.12 y	35:51	1.3474	5.00 n
13C-HpCB-170	134170200	1.07 y	37:29	0.4774	100.00 n
HpCB-170/190	11010430	1.08 y	37:30	1.6413	5.00 n
13C-HpCB-189	176083100	1.06 y	39:08	0.6265	100.00 n
HpCB-189	10942400	1.12 y	39:09	1.2429	5.00 n
13C-DeCB-209	137327200	0.71 y	44:04	0.4886	100.00 n
DECB-209	10345550	0.68 y	44:04	1.5067	5.00 n
13C-PeCB-111	340992000	0.65 y	26:51	1.3932	100.00 n

Run #3    Filename 15JA09D9D5    S: 3    I: 1  
 Acquired: 15-JAN-09    22:07:59    Processed: 16-JAN-09    15:15:28  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115B :CS3 09DXN016

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	247603800	0.65 y	25:22	-	100.00 n
13C-TCB-81	233777000	0.77 y	26:59	0.9442	100.00 n
TCB-81	149921700	0.75 y	27:00	1.2826	50.00 n
13C-TCB-77	238978000	0.76 y	27:33	0.9652	100.00 n
TCB-77	138181800	0.73 y	27:34	1.1564	50.00 n
13C-PeCB-123	215123600	0.65 y	28:53	0.8688	100.00 n
PeCB-123	162536900	0.59 y	28:54	1.5111	50.00 n
13C-PeCB-118	245223200	0.66 y	29:02	0.9904	100.00 n
PeCB-118/106	190014200	0.59 y	29:03	1.5497	50.00 n
13C-PeCB-114	238819200	0.65 y	29:41	0.9645	100.00 n
PeCB-114	188844900	0.59 y	29:42	1.5815	50.00 n
13C-PeCB-105	218554600	0.65 y	30:34	0.8827	100.00 n
PeCB-105/127	155882200	0.59 y	30:35	1.4265	50.00 n
13C-PeCB-126	216706200	0.65 y	32:30	0.8752	100.00 n
PeCB-126	130429700	0.59 y	32:31	1.2037	50.00 n
13C-OcCB-202	255723000	0.85 y	34:43	-	100.00 n
13C-HxCB-167	215596800	1.26 y	33:35	0.8431	100.00 n
HxCB-167	124009600	1.25 y	33:36	1.1504	50.00 n
13C-HxCB-156	170578000	1.29 y	34:53	0.6670	100.00 n
HxCB-156	124140900	1.27 y	34:54	1.4555	50.00 n
13C-HxCB-157	180842200	1.26 y	35:12	0.7072	100.00 n
HxCB-157	131350200	1.29 y	35:13	1.4526	50.00 n
13C-HxCB-169	185144100	1.26 y	37:05	0.7240	100.00 n
HxCB-169	93867200	1.26 y	37:06	1.0140	50.00 n
13C-HpCB-180	150765500	1.05 y	35:49	0.5896	100.00 n
HpCB-180	95947800	1.12 y	35:50	1.2728	50.00 n
13C-HpCB-170	122011600	1.05 y	37:28	0.4771	100.00 n
HpCB-170/190	96760500	1.10 y	37:29	1.5861	50.00 n
13C-HpCB-189	148558600	1.05 y	39:07	0.5809	100.00 n
HpCB-189	92642400	1.10 y	39:09	1.2472	50.00 n
13C-DeCB-209	113795700	0.72 y	44:04	0.4450	100.00 n
DeCB-209	85226100	0.70 y	44:05	1.4979	50.00 n
13C-PeCB-111	311176000	0.65 y	26:50	1.3563	100.00 n

Run #4    Filename 15JA09D9D5    S: 4    I: 1  
 Acquired: 15-JAN-09    22:59:23    Processed: 16-JAN-09    15:15:29  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115C :CS4 09DXN017

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	244688200	0.65 y	25:22	-	100.00	n
13C-TCB-81	225028900	0.77 y	26:58	0.9197	100.00	n
TCB-81	563034000	0.76 y	27:00	1.2510	200.00	n
13C-TCB-77	234441000	0.79 y	27:33	0.9581	100.00	n
TCB-77	517095000	0.76 y	27:34	1.1028	200.00	n
13C-PeCB-123	206159900	0.64 y	28:53	0.8425	100.00	n
PeCB-123	604243000	0.59 y	28:54	1.4655	200.00	n
13C-PeCB-118	235957000	0.65 y	29:02	0.9643	100.00	n
PeCB-118/106	706242000	0.60 y	29:03	1.4965	200.00	n
13C-PeCB-114	228278000	0.65 y	29:41	0.9329	100.00	n
PeCB-114	695511000	0.59 y	29:42	1.5234	200.00	n
13C-PeCB-105	213978600	0.66 y	30:34	0.8745	100.00	n
PeCB-105/127	588578000	0.59 y	30:35	1.3753	200.00	n
13C-PeCB-126	209532200	0.65 y	32:30	0.8563	100.00	n
PeCB-126	485179000	0.60 y	32:31	1.1578	200.00	n
13C-OcCB-202	249730000	0.88 y	34:43	-	100.00	n
13C-HxCB-167	202489900	1.26 y	33:35	0.8108	100.00	n
HxCB-167	514368000	1.27 y	33:36	1.2701	200.00	y
13C-HxCB-156	161737900	1.28 y	34:53	0.6477	100.00	n
HxCB-156	462927000	1.27 y	34:54	1.4311	200.00	n
13C-HxCB-157	166710400	1.24 y	35:12	0.6676	100.00	n
HxCB-157	478186000	1.28 y	35:13	1.4342	200.00	n
13C-HxCB-169	164652600	1.25 y	37:05	0.6593	100.00	n
HxCB-169	333850000	1.27 y	37:06	1.0138	200.00	n
13C-HpCB-180	138296100	1.06 y	35:49	0.5538	100.00	n
HpCB-180	345005000	1.10 y	35:50	1.2473	200.00	n
13C-HpCB-170	113146600	1.05 y	37:28	0.4531	100.00	n
HpCB-170/190	352545000	1.09 y	37:29	1.5579	200.00	n
13C-HpCB-189	136856900	1.04 y	39:07	0.5480	100.00	n
HpCB-189	333672000	1.09 y	39:08	1.2191	200.00	n
13C-DeCB-209	103579600	0.73 y	44:04	0.4148	100.00	n
DECB-209	300002000	0.69 y	44:05	1.4482	200.00	n
13C-PeCB-111	303933000	0.65 y	26:50	1.3747	100.00	n

Run #5    Filename 15JA09D9D5    S: 5    I: 1  
 Acquired: 15-JAN-09    23:50:45    Processed: 16-JAN-09    15:15:30  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0115099D5

Comments:

Sample text: ST0115D :CS5 09DXN018

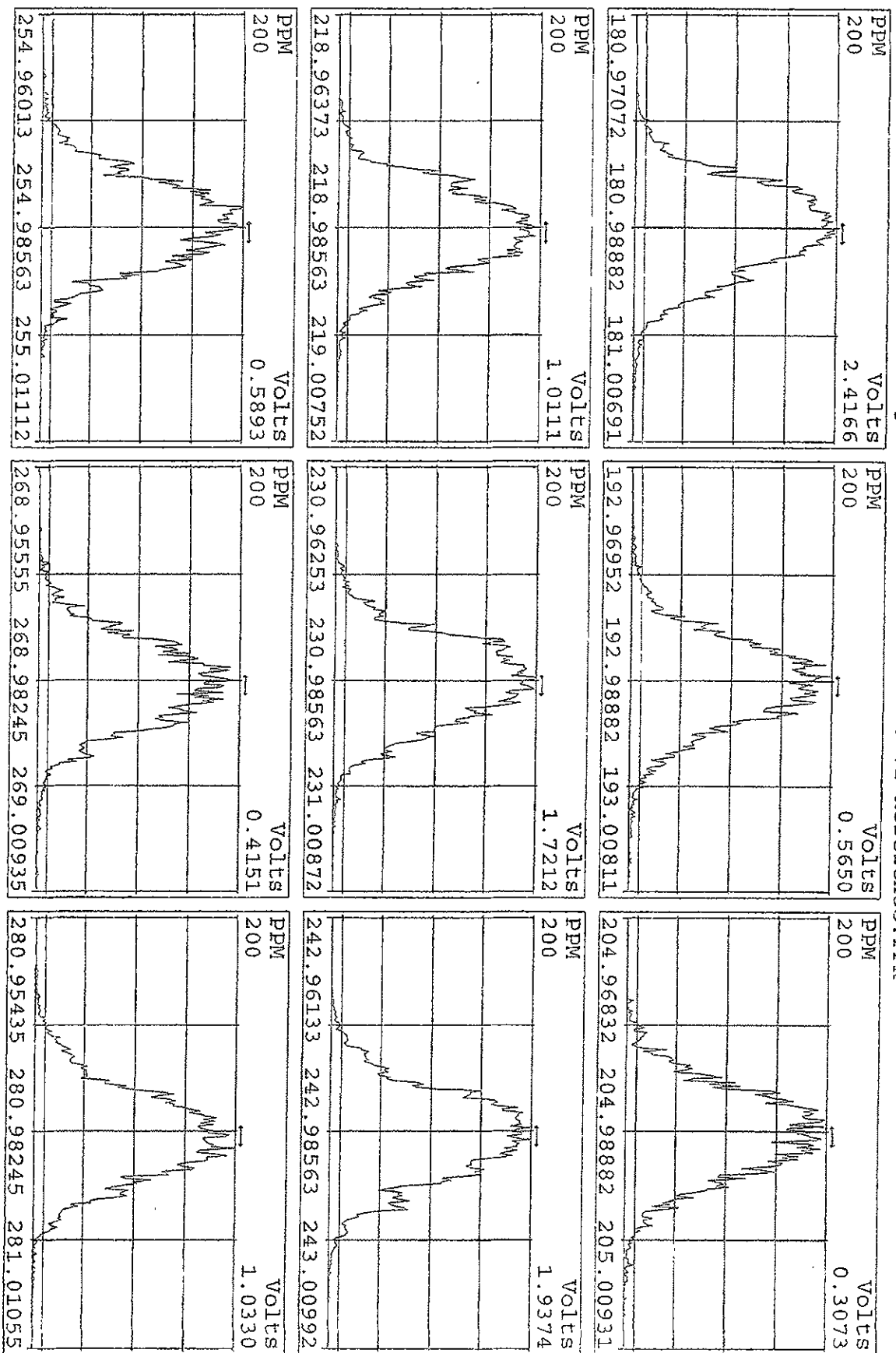
Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	269657000	0.66 y	25:22	-	100.00 n
13C-TCB-81	266360000	0.78 y	26:58	0.9878	100.00 n
TCB-81	1683380000	0.75 y	26:59	1.2640	500.00 n
13C-TCB-77	270360000	0.78 y	27:32	1.0026	100.00 n
TCB-77	1568248000	0.76 y	27:34	1.1601	500.00 n
13C-PeCB-123	246305200	0.67 y	28:52	0.9134	100.00 n
PeCB-123	1812283000	0.59 y	28:53	1.4716	500.00 n
13C-PeCB-118	274268000	0.66 y	29:01	1.0171	100.00 n
PeCB-118/106	2052633000	0.60 y	29:02	1.4968	500.00 n
13C-PeCB-114	274985000	0.66 y	29:40	1.0198	100.00 n
PeCB-114	2107813000	0.59 y	29:41	1.5330	500.00 n
13C-PeCB-105	253776000	0.66 y	30:33	0.9411	100.00 n
PeCB-105/127	1763571000	0.59 y	30:34	1.3899	500.00 n
13C-PeCB-126	267077000	0.65 y	32:28	0.9904	100.00 n
PeCB-126	1593533000	0.59 y	32:30	1.1933	500.00 n
13C-OcCB-202	287841000	0.87 y	34:42	-	100.00 n
13C-HxCB-167	259291000	1.26 y	33:33	0.9008	100.00 n
HxCB-167	1459083000	1.28 y	33:34	1.1254	500.00 y
13C-HxCB-156	208239300	1.29 y	34:52	0.7235	100.00 n
HxCB-156	1478482000	1.28 y	34:53	1.4200	500.00 n
13C-HxCB-157	218180700	1.26 y	35:11	0.7580	100.00 n
HxCB-157	1543594000	1.27 y	35:12	1.4150	500.00 n
13C-HxCB-169	236681000	1.26 y	37:03	0.8223	100.00 n
HxCB-169	1200567000	1.27 y	37:04	1.0145	500.00 n
13C-HpCB-180	175051700	1.04 y	35:48	0.6082	100.00 n
HpCB-180	1077386000	1.09 y	35:49	1.2309	500.00 n
13C-HpCB-170	145642800	1.05 y	37:28	0.5060	100.00 n
HpCB-170/190	1124352000	1.08 y	37:29	1.5440	500.00 n
13C-HpCB-189	189236300	1.05 y	39:06	0.6574	100.00 n
HpCB-189	1158078000	1.09 y	39:07	1.2239	500.00 n
13C-DeCB-209	146952700	0.73 y	44:04	0.5105	100.00 n
DECB-209	1100843000	0.70 y	44:04	1.4982	500.00 n
13C-PeCB-111	333490000	0.65 y	26:50	1.2712	100.00 n

.ca file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
15JA09D9D5	1	ST0115	CS1 09DXN014				1.00000	
15JA09D9D5	2	ST0115A	CS2 09DXN015				1.00000	
15JA09D9D5	3	ST0115B	CS3 09DXN016				1.00000	
15JA09D9D5	4	ST0115C	CS4 09DXN017				1.00000	
15JA09D9D5	5	ST0115D	CS5 09DXN018				1.00000	
15JA09D9D5	6	SB0115	Solvent Blank C-12				1.00000	
15JA09D9D5	7	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	8	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	9	SB0115A	Solvent Blank C-12				1.00000	
15JA09D9D5	10	K5GRX-1-AC	G9A060000-171C	20	1668/WATER	51	1.00000	L
15JA09D9D5	11	QC09DXN057	Daily IS 09DXN057	20	1668	QC49	1.00000	
15JA09D9D5	12	K44WC-1-AC	G8L210000-51C	20	1668A/SOLID	42	10.00000	g
15JA09D9D5	13	K44WC-1-AA	G8L210000-51B	20	1668A/SOLID		10.00000	g
15JA09D9D5	14	K31R7-1-AA	D8L030334-1 (20X)	20	1668A/SOLID		10.19000	g
15JA09D9D5	15	K31R7-1-AD	D8L030334-1S (20X)	20	1668A/SOLID		10.01000	g
15JA09D9D5	16	SB0115B	Solvent Blank C-12				1.00000	
15JA09D9D5	17	K4047-1-AH	G8L180296-2	20	1668/SOLID	43	10.32500	g
15JA09D9D5	18	K4047-1-AH	G8L180296-2 RI	20	1668/SOLID	43	10.22500	g
15JA09D9D5	19	K4048-1-AH	G8L180296-3	20	1668/SOLID		10.35400	g
15JA09D9D5	20	K4049-1-AH	G8L180296-4	20	1668/SOLID		10.17000	g
15JA09D9D5	21	K405A-1-AH	G8L180296-5	20	1668/SOLID		10.25250	g
15JA09D9D5	22	K405E-1-AH	G8L180296-7	20	1668/SOLID		10.13000	g
15JA09D9D5	23	SB0115C	Solvent Blank C-12				1.00000	
15JA09D9D5	24	ST0115H	CS3 09DXN016				1.00000	
15JA09D9D5	25	ST0115G	209PCB 3249-47				1.00000	
15JA09D9D5	26	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	27	K4047-1-AH	G8L180296-2 (10X)	20	1668/SOLID	43	10.32500	g
15JA09D9D5	28	K4048-1-AH	G8L180296-3 (10X)	20	1668/SOLID		10.35400	g
15JA09D9D5	29	K4049-1-AH	G8L180296-4 (10X)	20	1668/SOLID		10.17000	g
15JA09D9D5	30	K405A-1-AH	G8L180296-5 (10X)	20	1668/SOLID		10.25250	g
15JA09D9D5	31	K405E-1-AH	G8L180296-7 (10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	32	K405H-1-AH	G8L180296-9 (10X)	20	1668/SOLID		10.15000	g
15JA09D9D5	33	K405H-1-AJ	G8L180296-9S (10X)	20	1668/SOLID		10.12000	g
15JA09D9D5	34	K405H-1-AK	G8L180296-9D (10X)	20	1668/SOLID		10.13000	g
15JA09D9D5	35	K405K-1-AH	G8L180296-10 (10X)	20	1668/SOLID		10.02000	g
15JA09D9D5	36	K4046-1-AA	G8L180296-1	20	1668/SOLID		0.98080	L
15JA09D9D5	37	K405D-1-AA	G8L180296-6	20	1668/SOLID		0.97690	L
15JA09D9D5	38	K405G-1-AA	G8L180296-8	20	1668/SOLID		0.94740	L
15JA09D9D5	39	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	40	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g
15JA09D9D5	41	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	42	ST0115E	2nd Source 09DXN055				1.00000	
15JA09D9D5	43	ST0115F	CS3 09DXN016				1.00000	
15JA09D9D5	44	SB0115E	Solvent Blank C-12				1.00000	
15JA09D9D5	45	K4584-1-AA	G8L22000-581MB	20	1668/SOLID		1.00000	L
15JA09D9D5	46	K4584-1-AC	G8L22000-581LCS	20	1668/SOLID		1.00000	L
15JA09D9D5	47	????????	G8L050343-1	20	1668/SOLID		10.00000	
15JA09D9D5	48	K4585-1-AA	G8L22000-582MB	20	1668A/SOLID		10.00000	g
15JA09D9D5	49	K4585-1-AC	G8L22000-582LCS	20	1668A/SOLID		10.00000	g
15JA09D9D5	50	K31R7-1-AE	D8L030334-1D (20X)	20	1668/SOLID		10.28000	g
15JA09D9D5	51	K31TA-1-AA	D8L030334-2 (20X)	20	1668/SOLID		10.08000	g
15JA09D9D5	52	SB0115D	Solvent Blank C-12				1.00000	
15JA09D9D5	53	K4F84-1-AA	G8L100356-1	20	1668/SOLID	43	1.06000	g

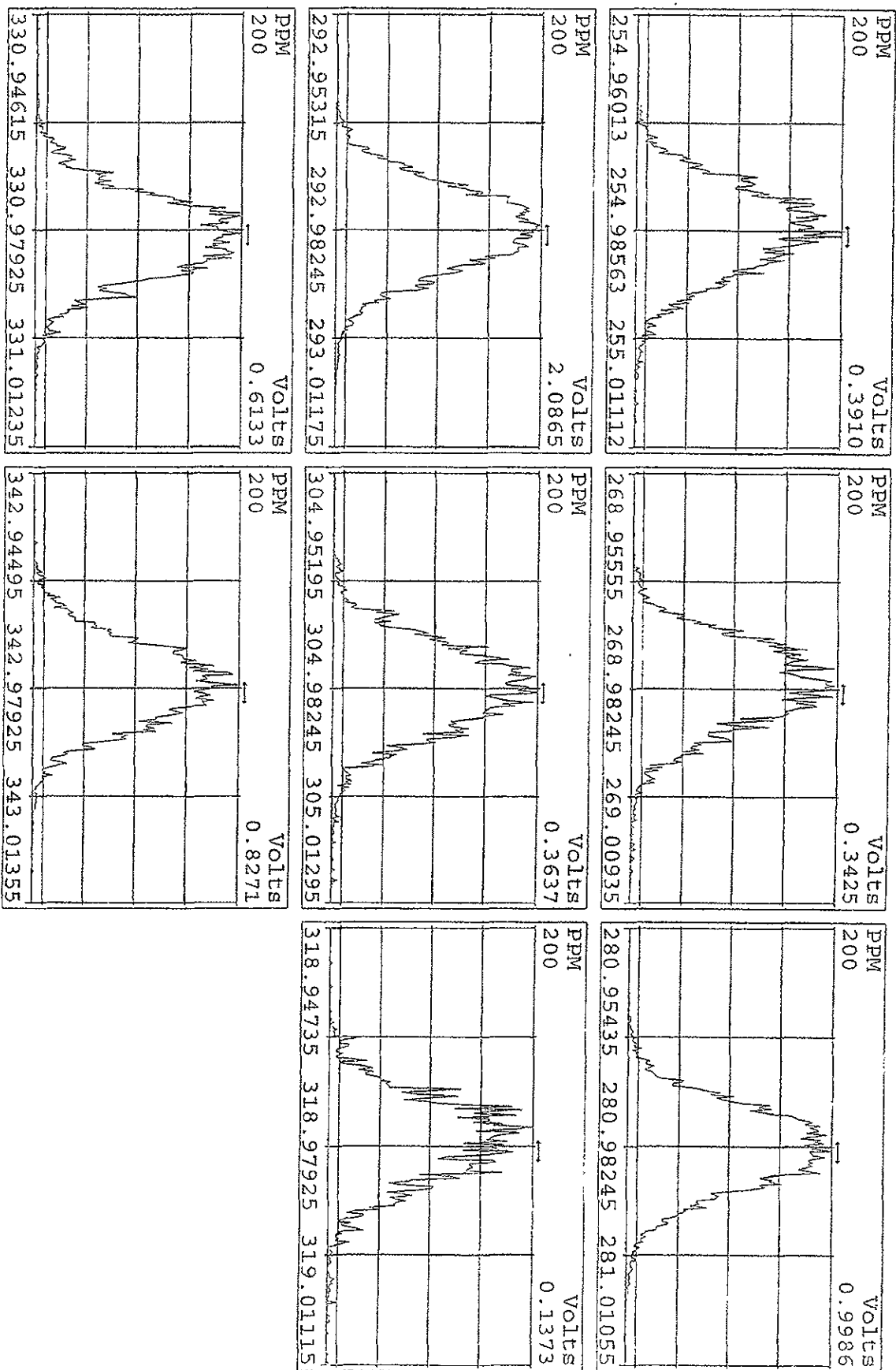
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15JA09D9D5	60			1.00000

log file checked  
1-16-09 am

Peak Locate Examination: 15-JAN-2009: 20:20 File: 150A09D9D5  
 Experiment: 209DB5 Function: 1 Reference: PFK

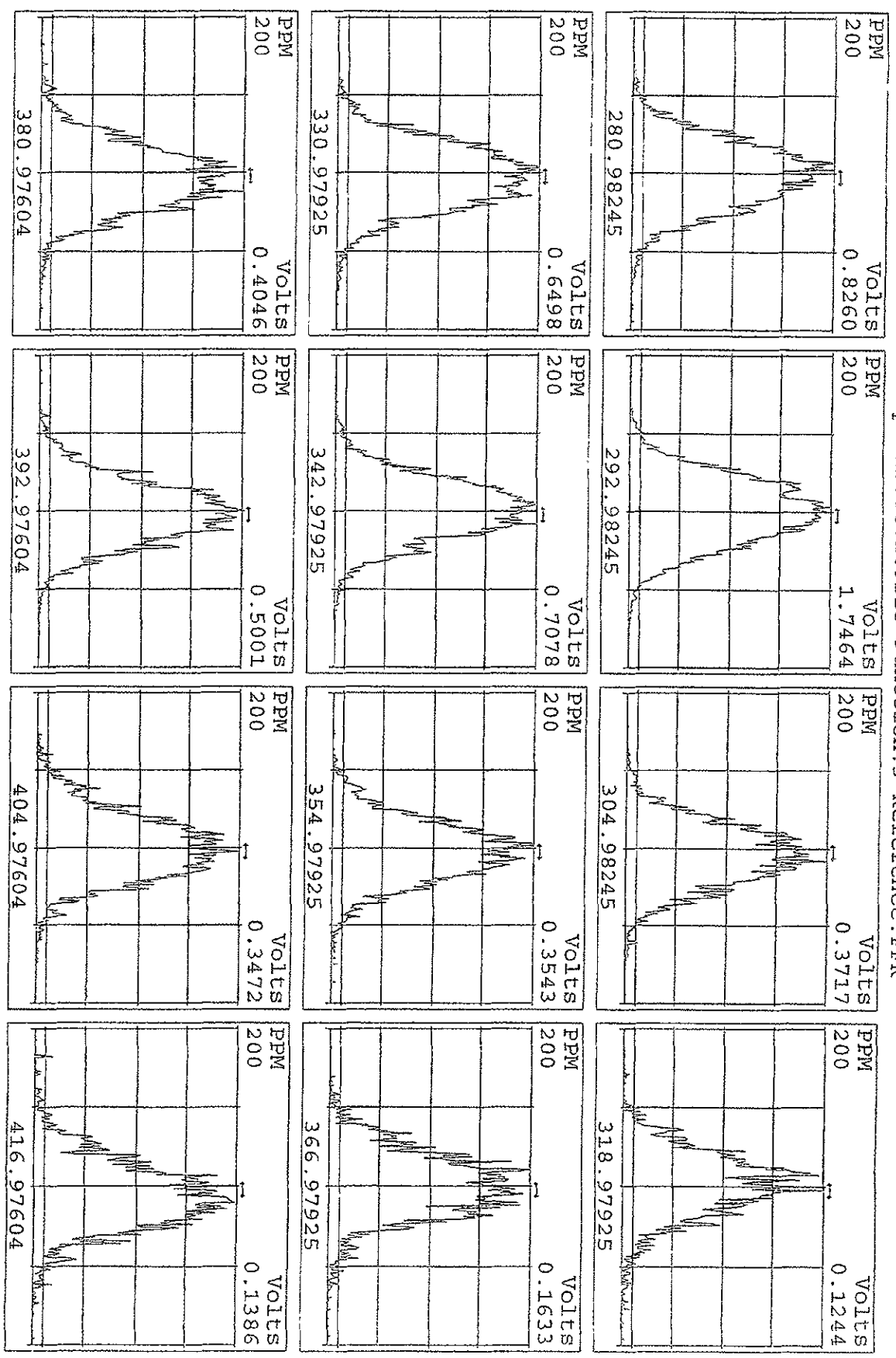


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 Experiment:209DB5 Function:2 Reference:PFK

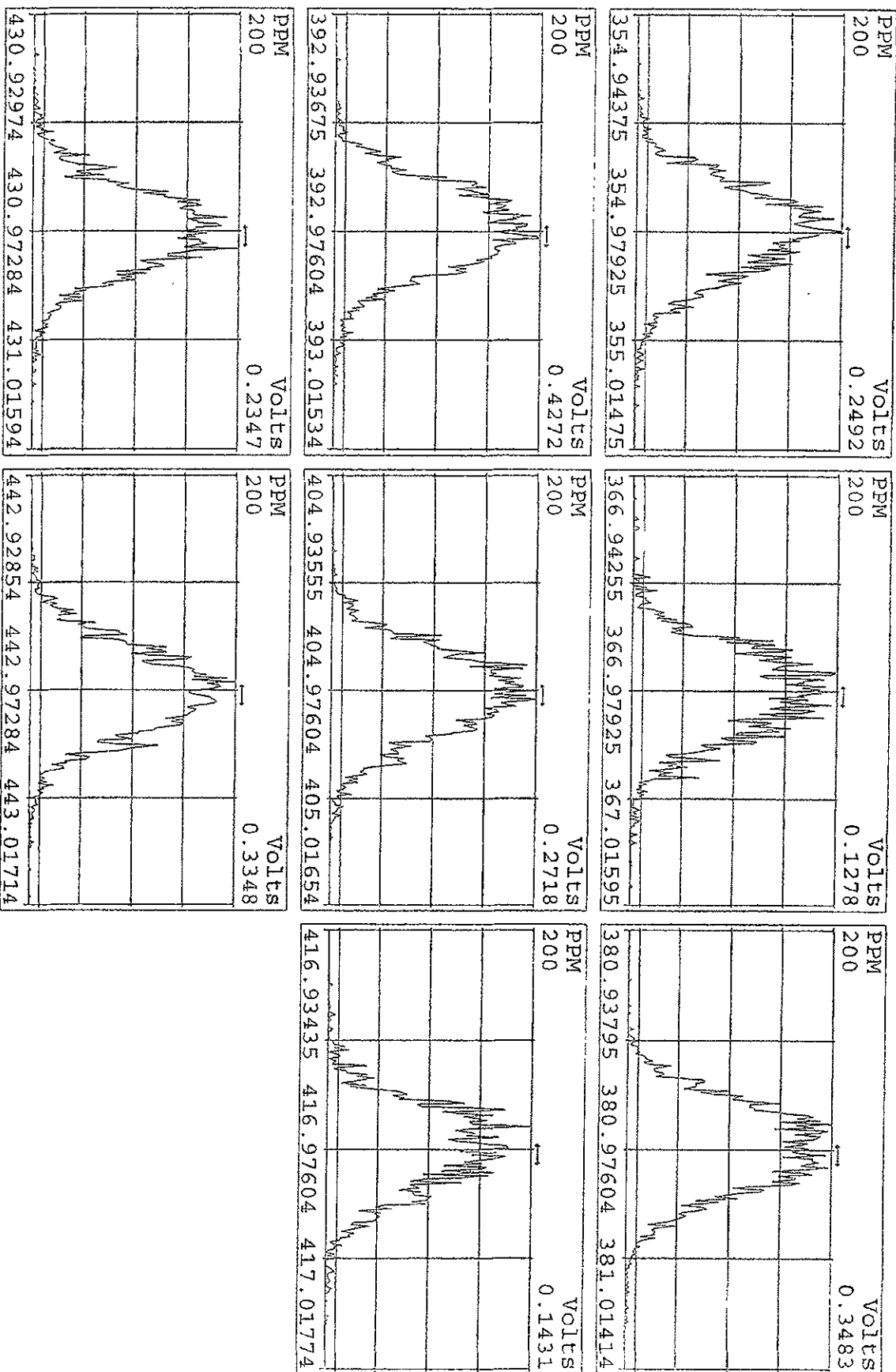




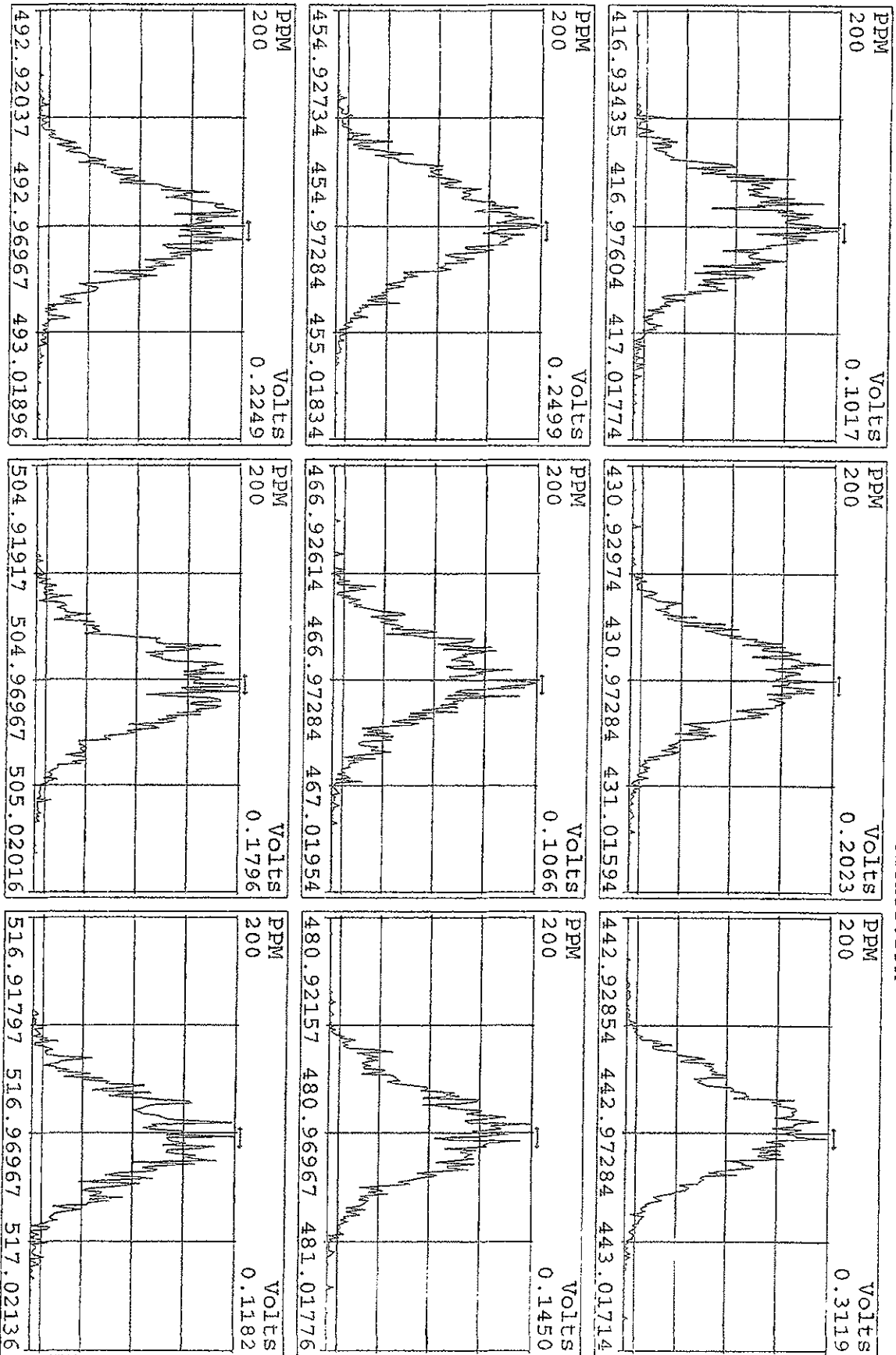
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Experiment:209DB5 Function:3 Reference:PRK



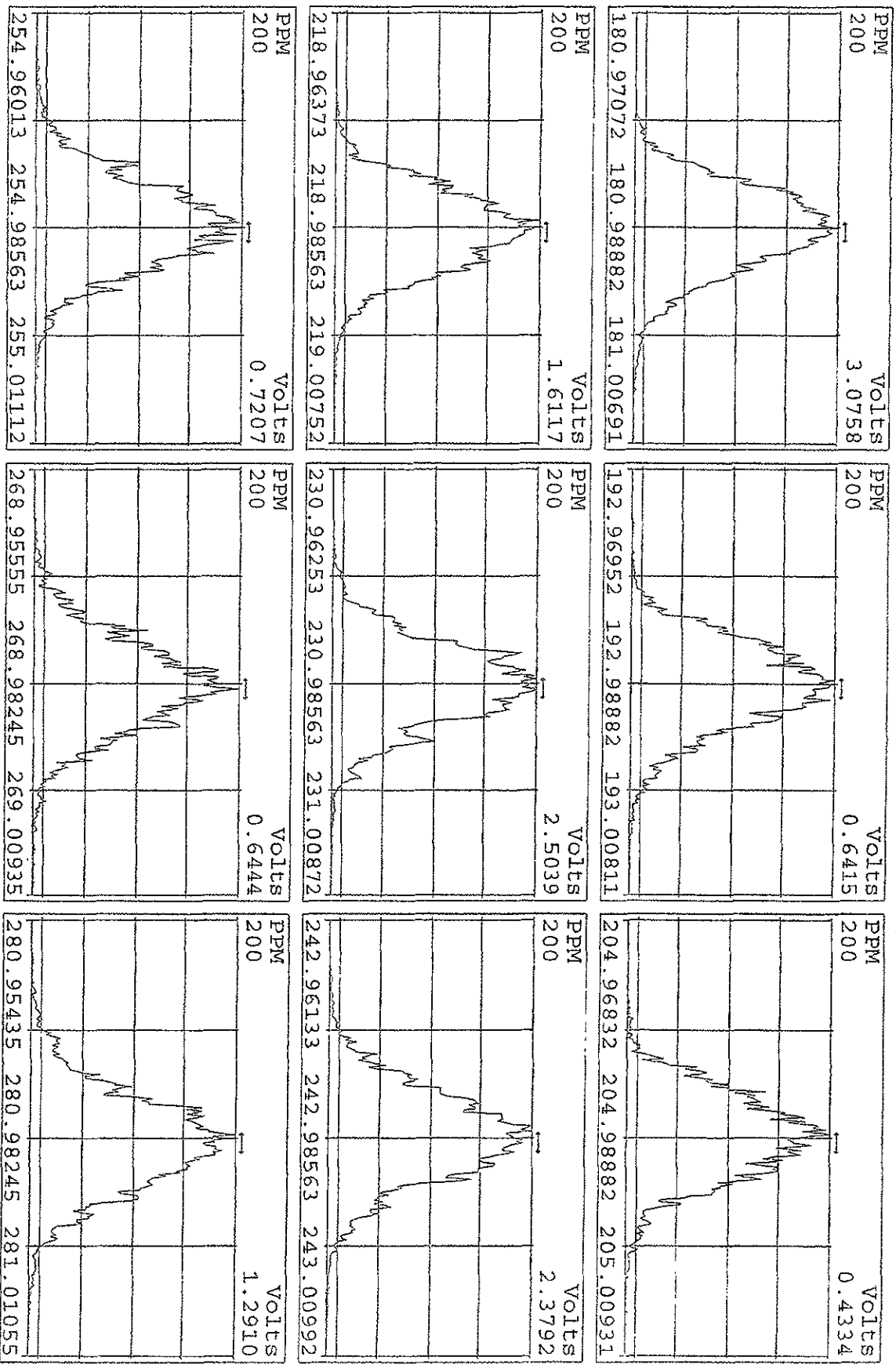
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 Experiment: 209DB5 Function: 4 Reference: PFK



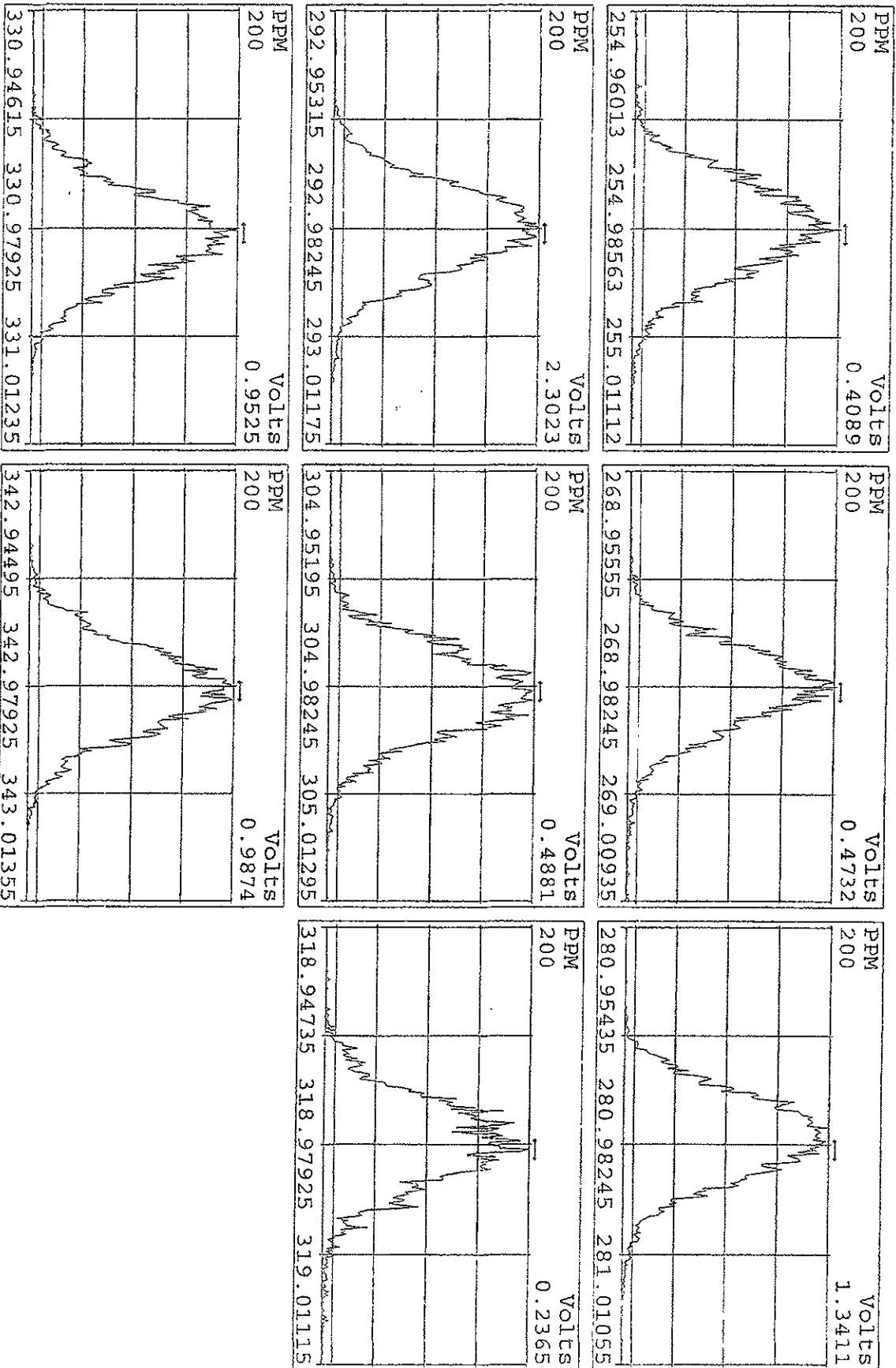
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 Experiment: 209DB5 Function: 5 Reference: PFK



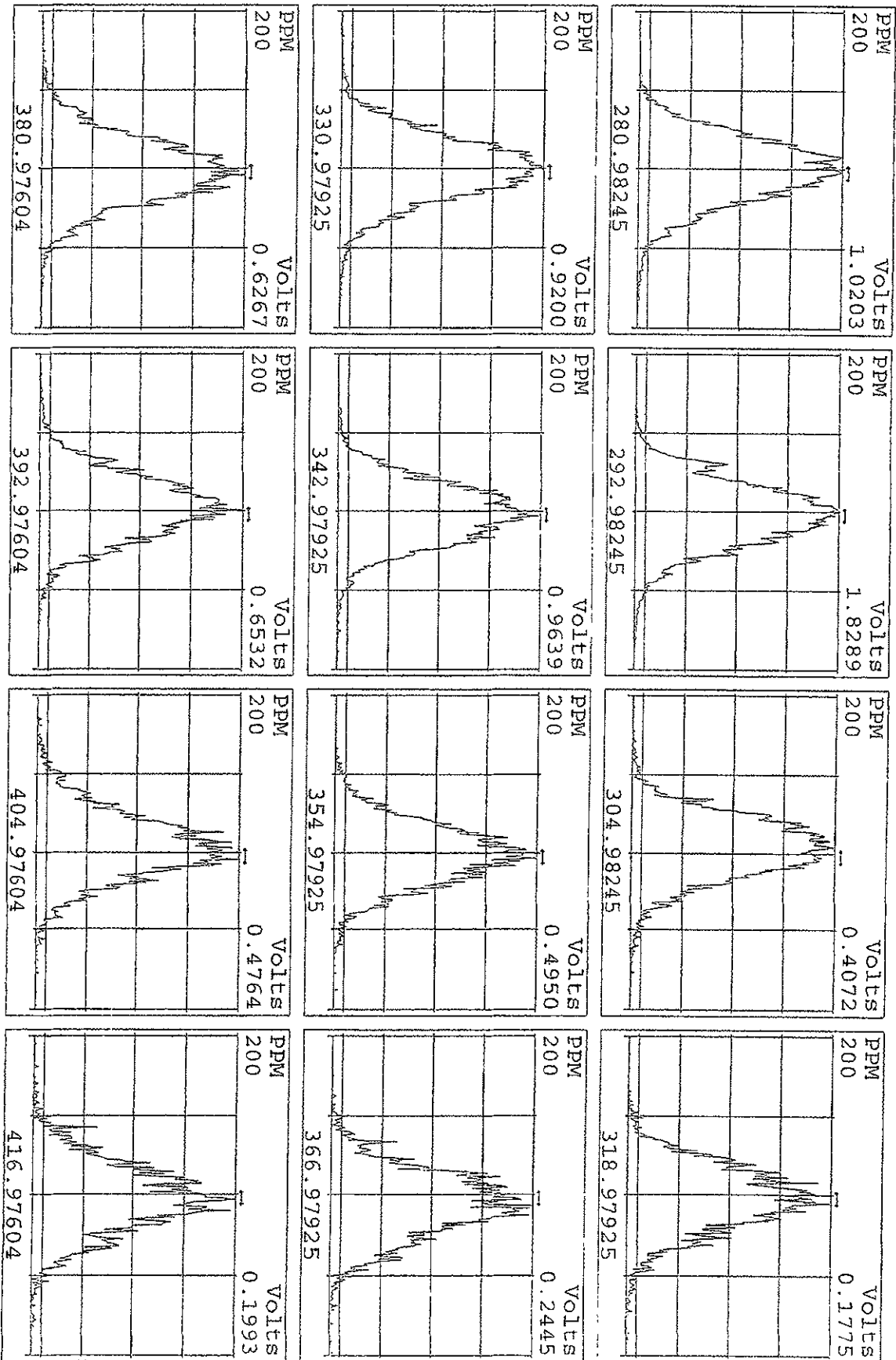
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 Experiment: 209DB5 Function: 1 Reference: PRK



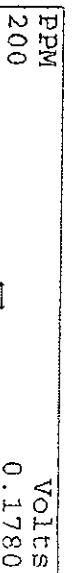
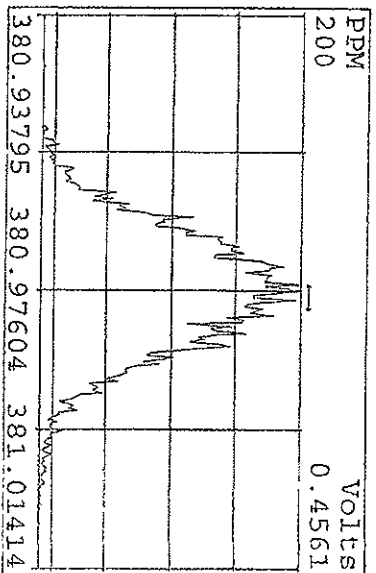
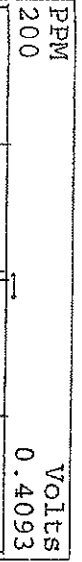
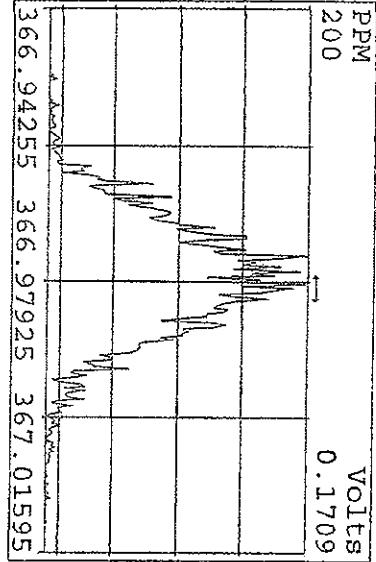
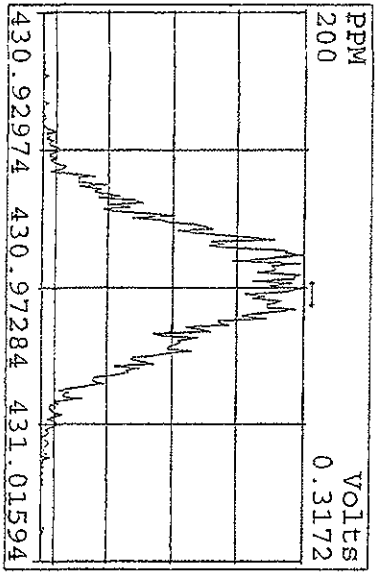
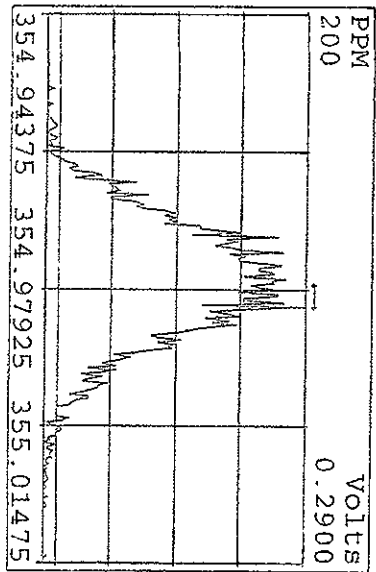
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Experiment: 209DB5 Function: 2 Reference: PFK



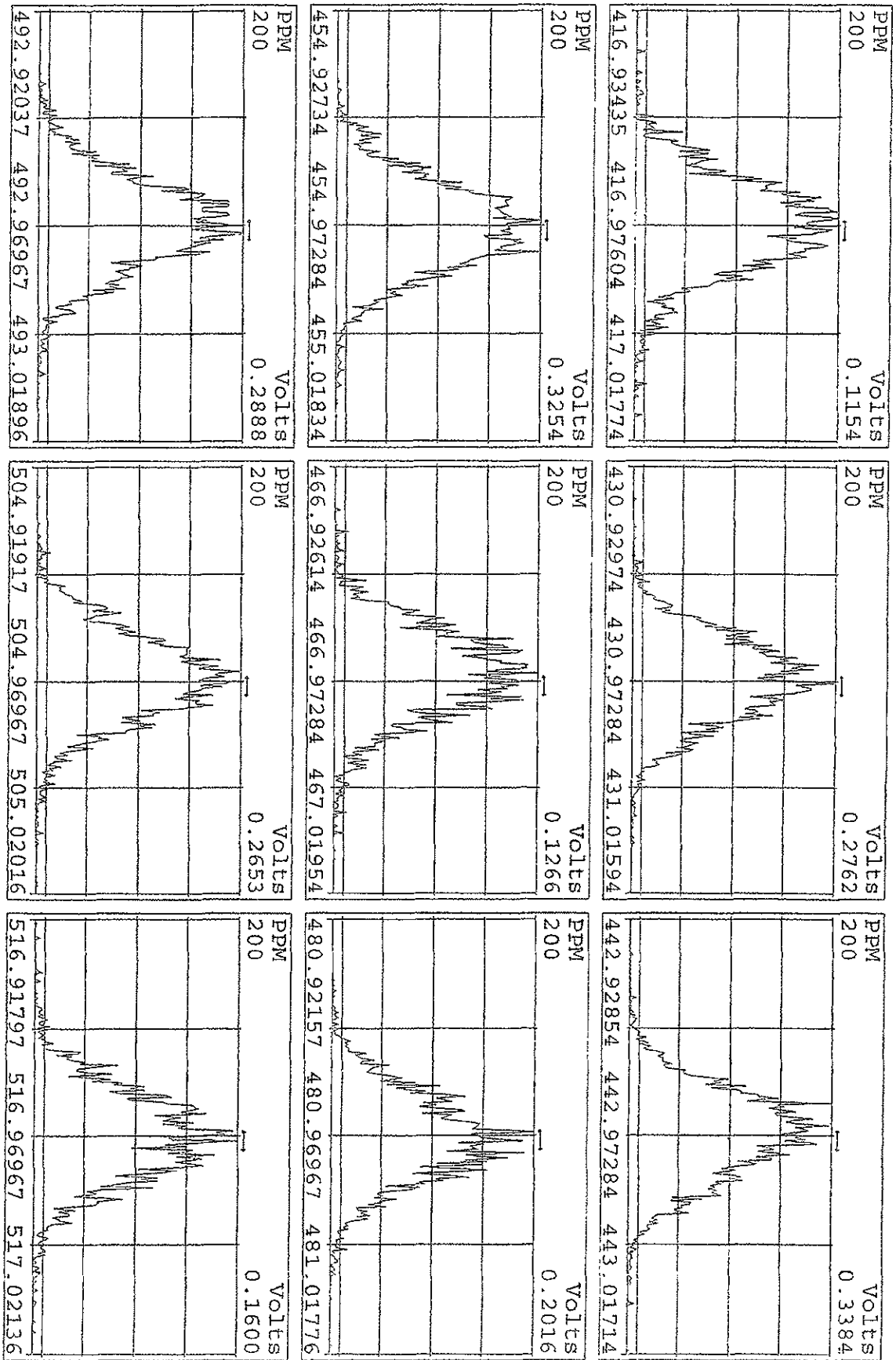
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Experiment: 209DB5 Function: 3 Reference: PRK



Peak Locate Examination: 16-JAN-2009: 18:48 File: RESCHK15JA09D9D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



Peak Locate Examination: 16-JAN-2009:18:49 File: RSCCHK15JA09D9D5  
 Experiment: 209DB5 Function: 5 Reference: PFK

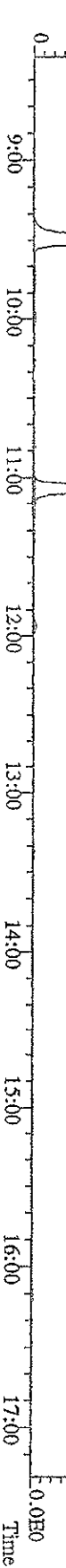
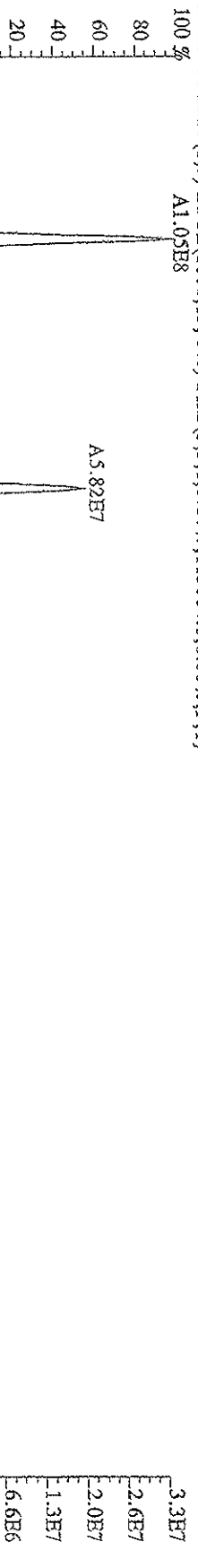
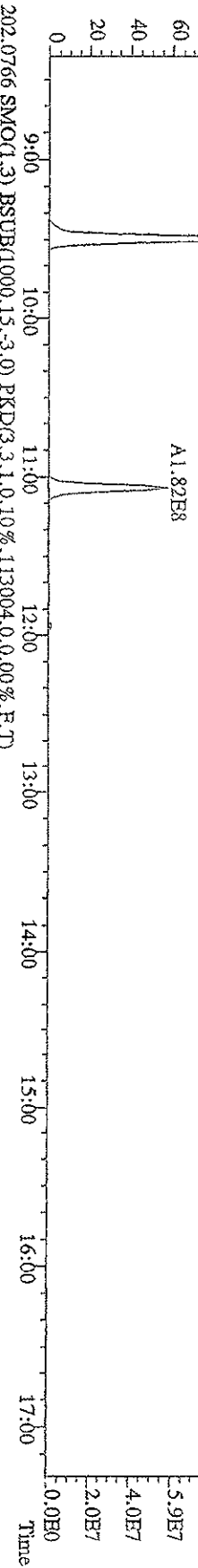
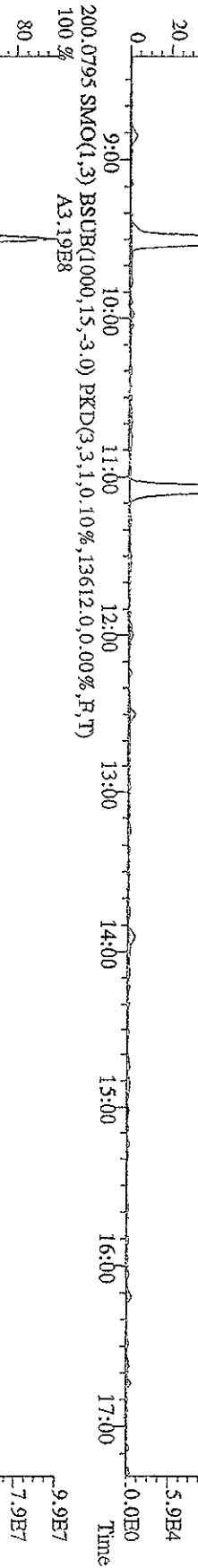
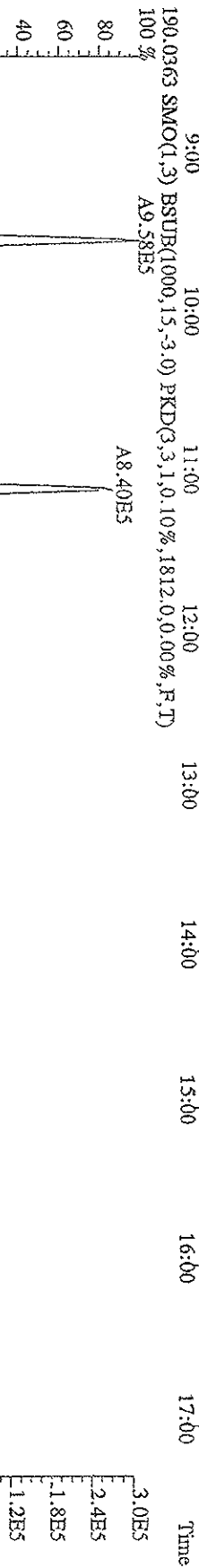
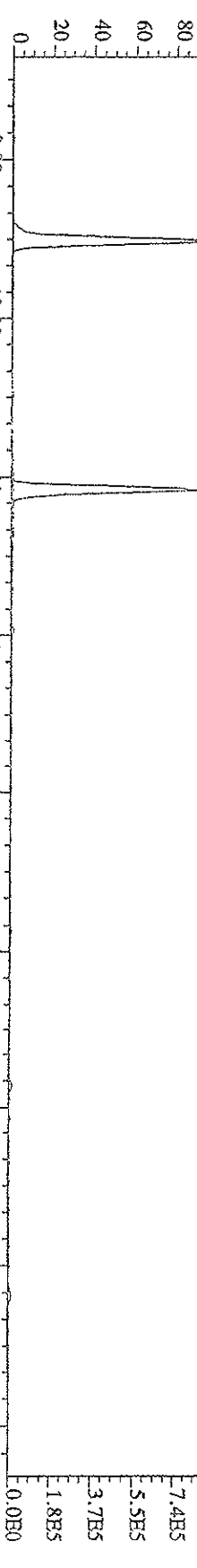




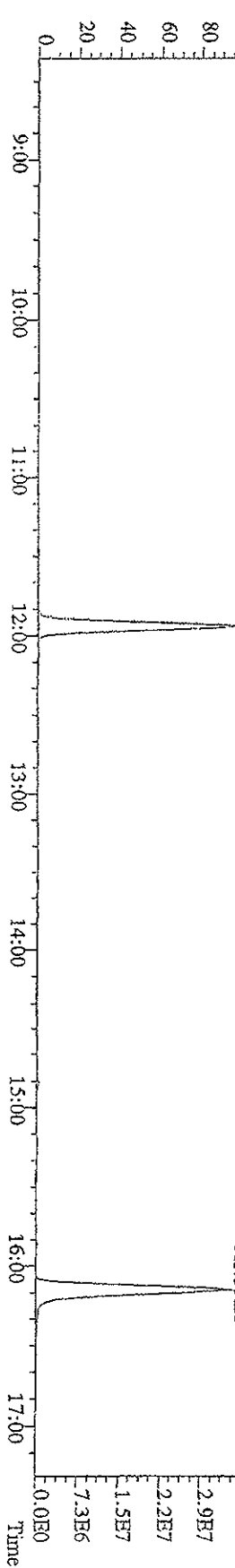
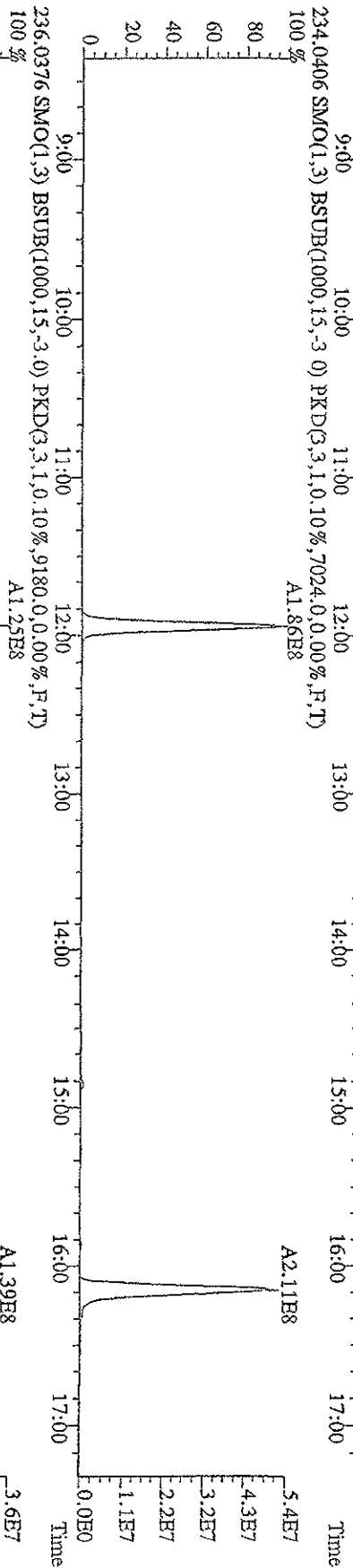
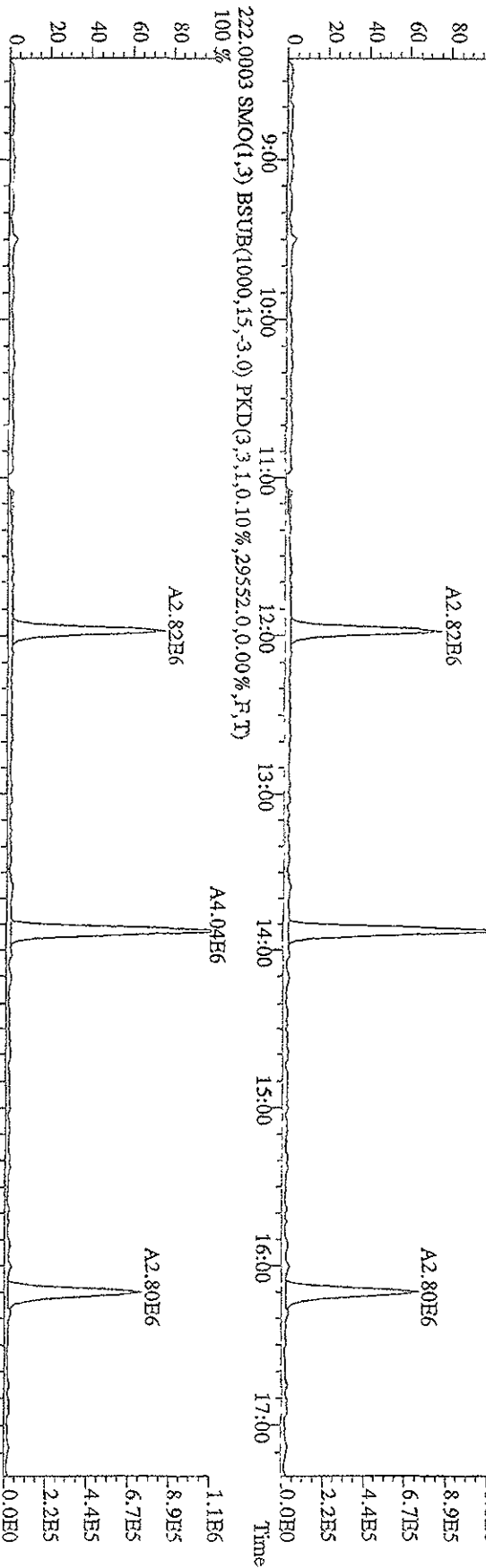
File: 151A09D9D5 #1-608 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate

Sample#1 Text: ST0115 : CS1 09DXN014 Exp: 209DB5

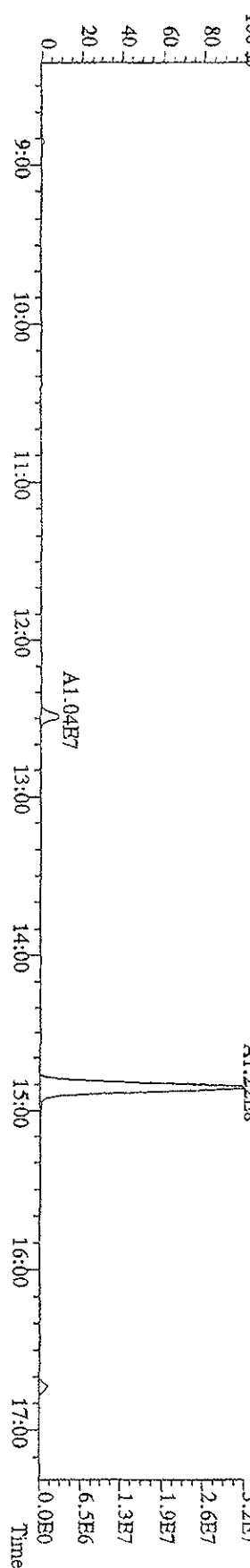
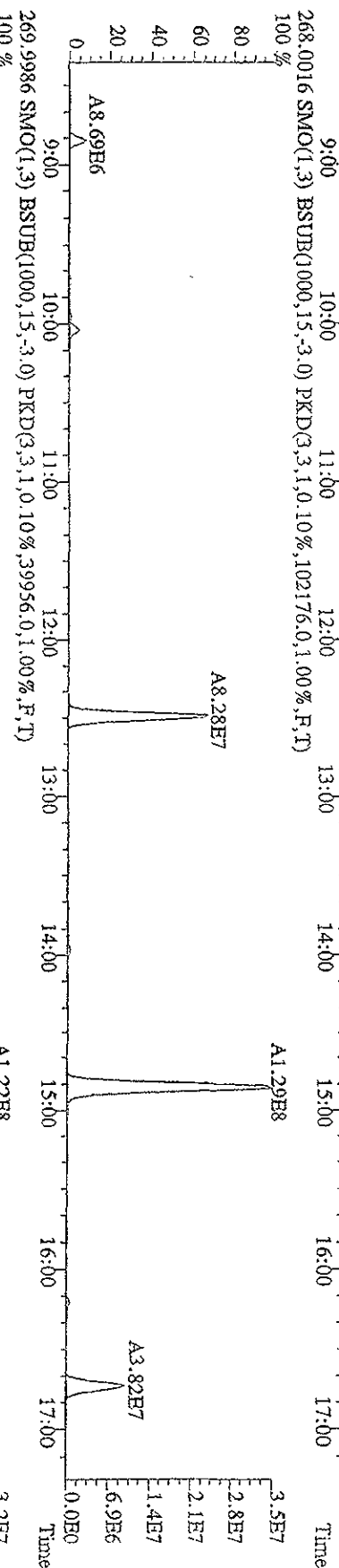
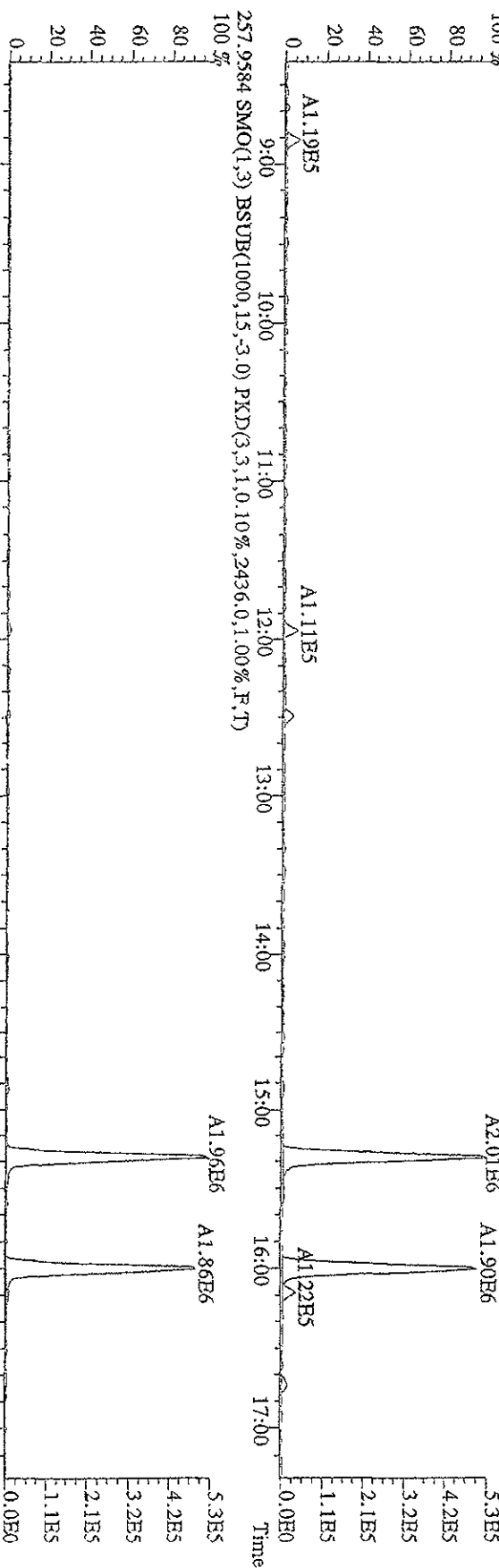
198.0393 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1812.0,0.00%,F,T)



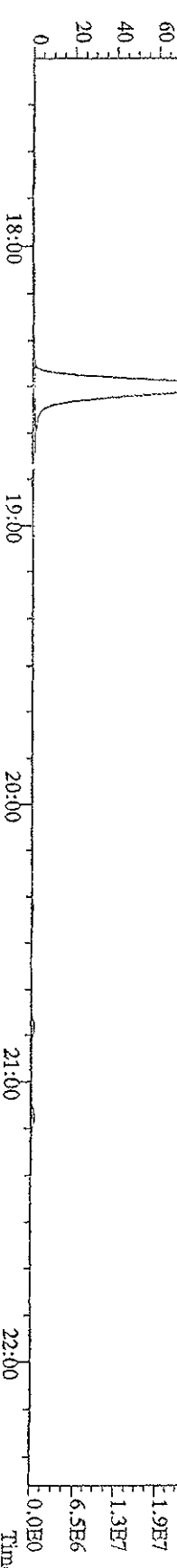
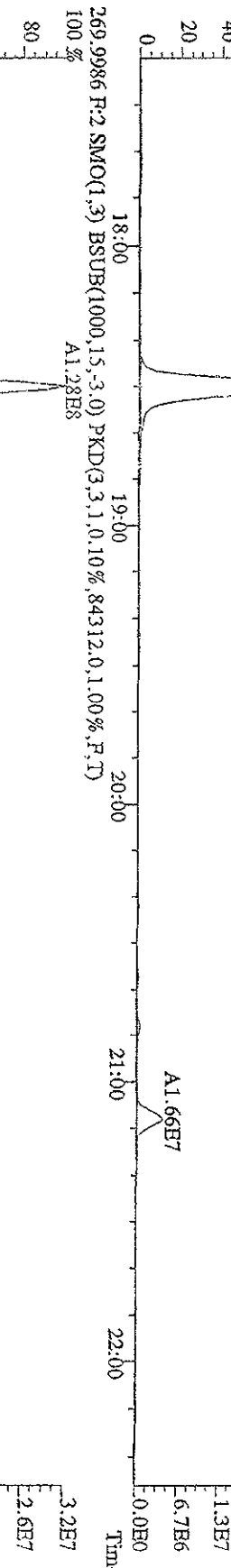
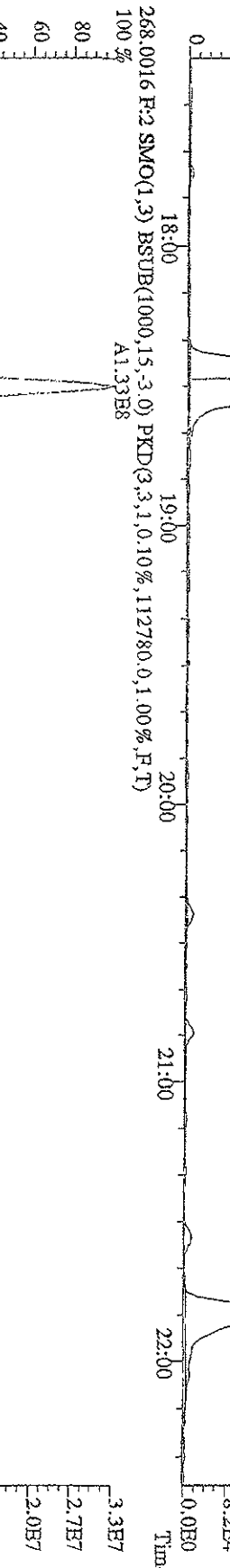
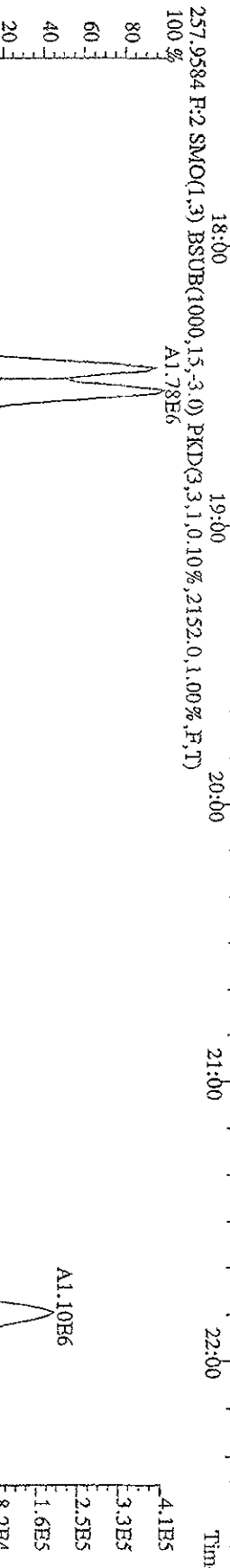
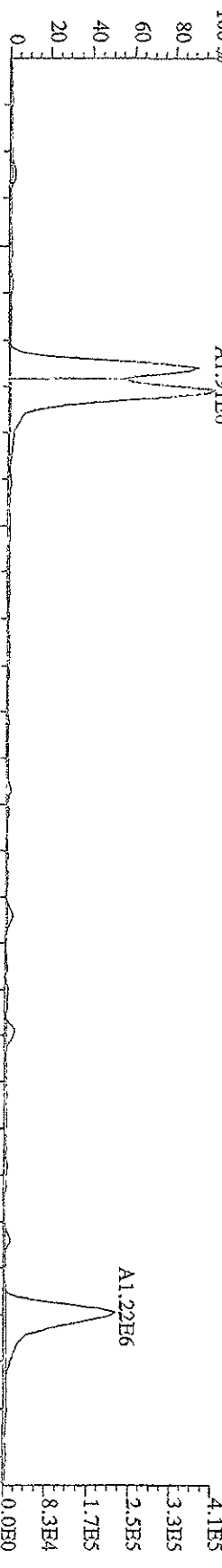
File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage sIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 222.0003 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,29552,0,0,00%,F,T)  
 100 %



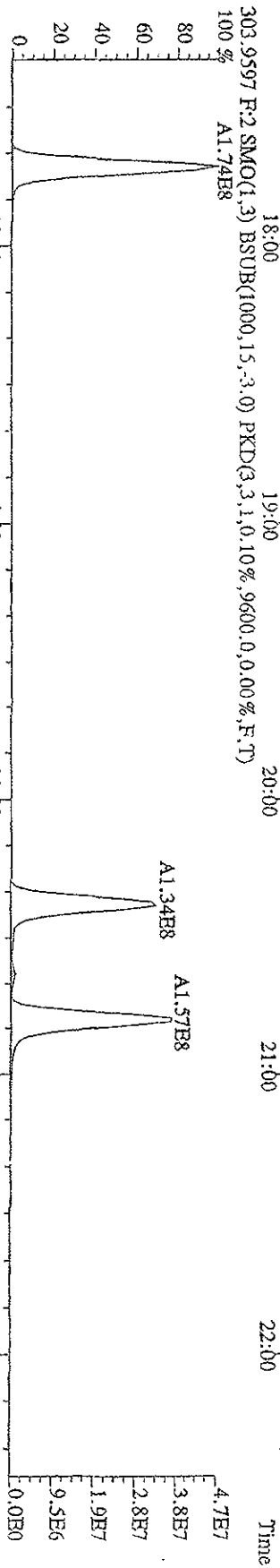
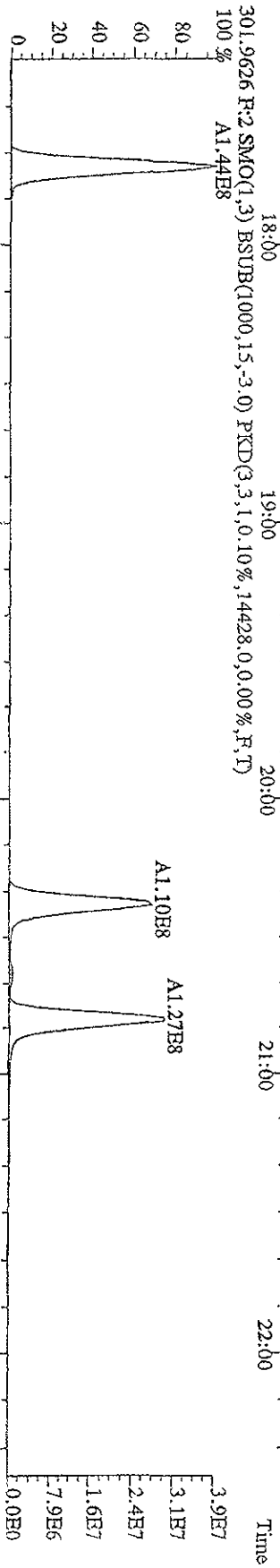
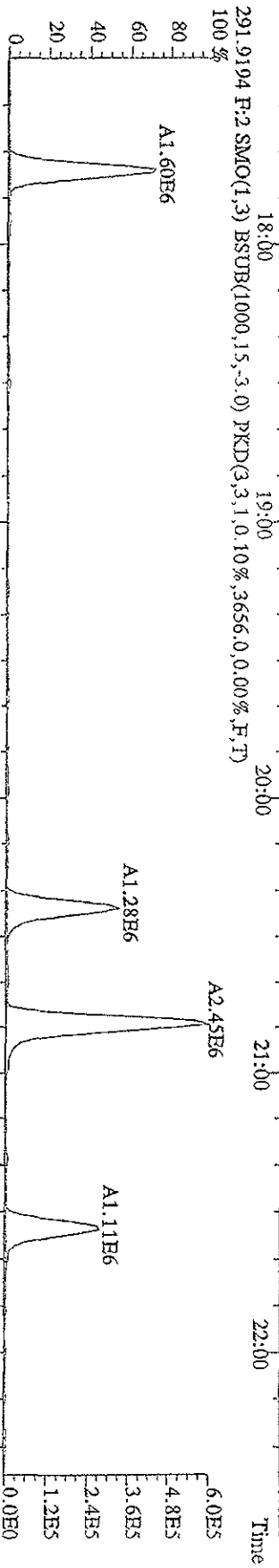
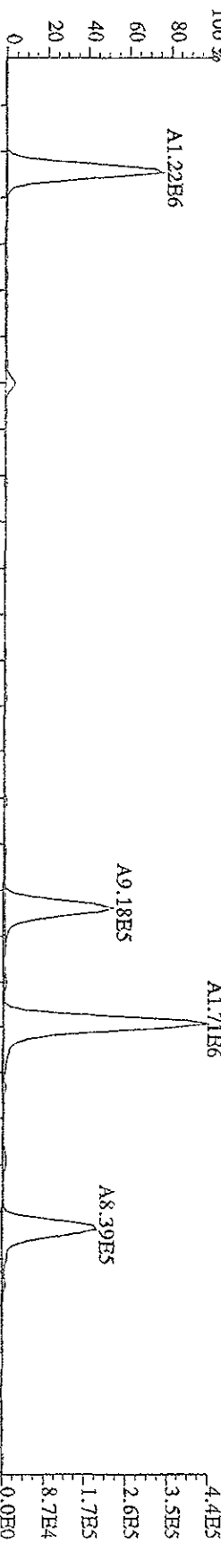
File:151A09D9D5 #1-608 Acq:15-JAN-2009 20:25:19 GC BI + Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 255.9613 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,4620.0,1.00%,F,T)



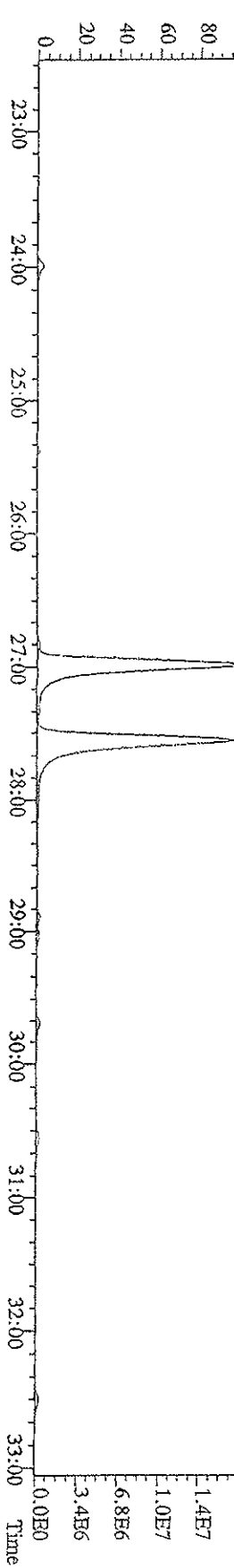
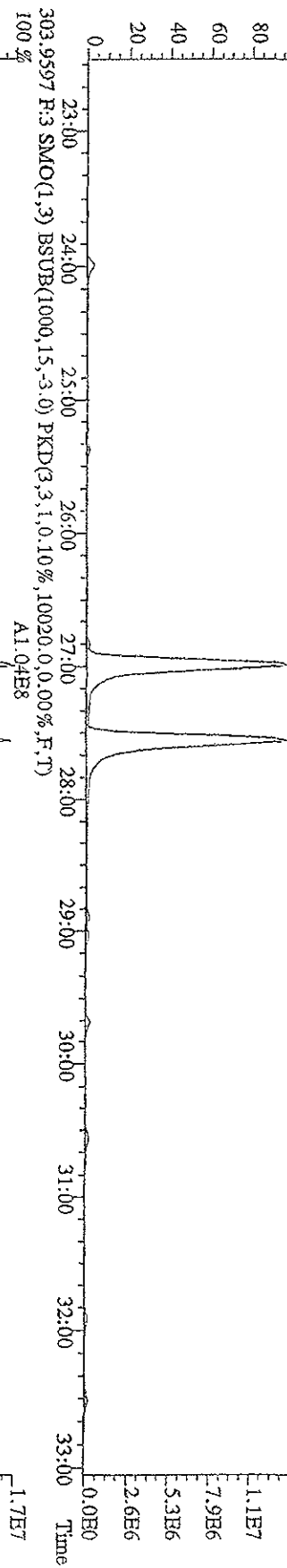
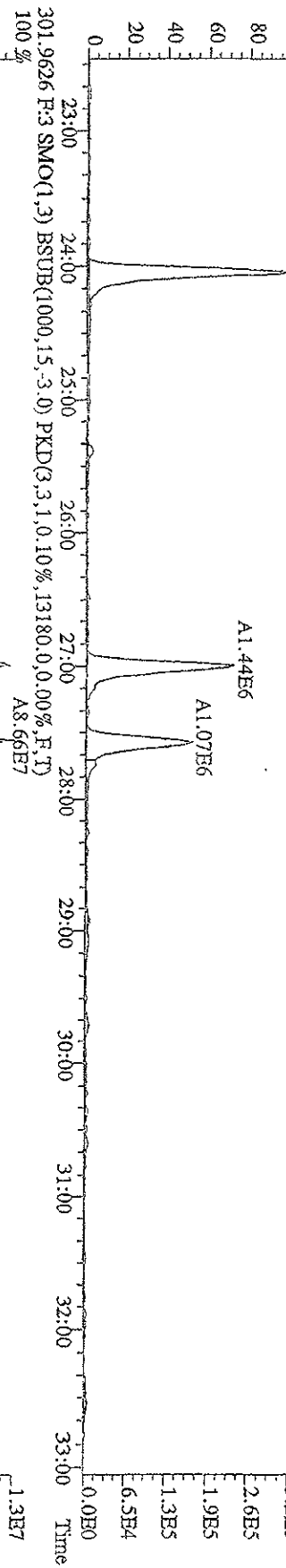
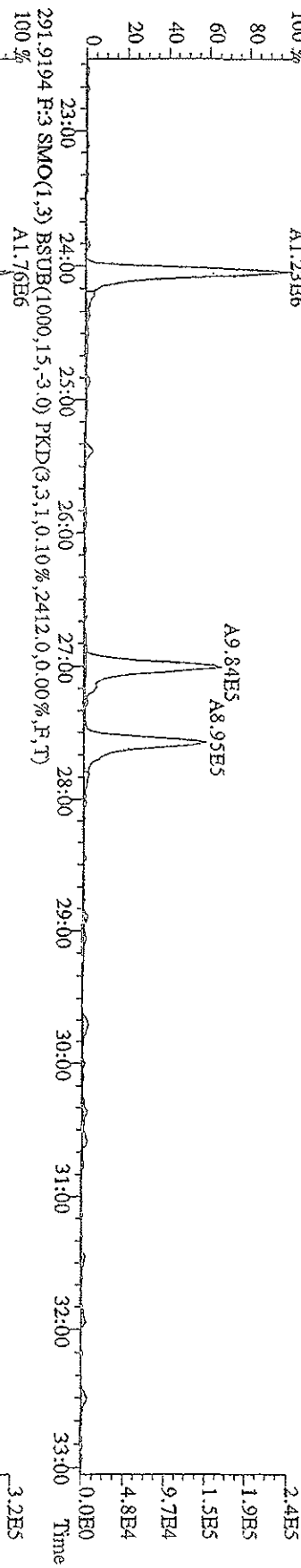
File:151A09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage:51R Autospec-UHMaf  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 255.9613 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4244.0,1.00%,F,T)  
 100% A1.91E6



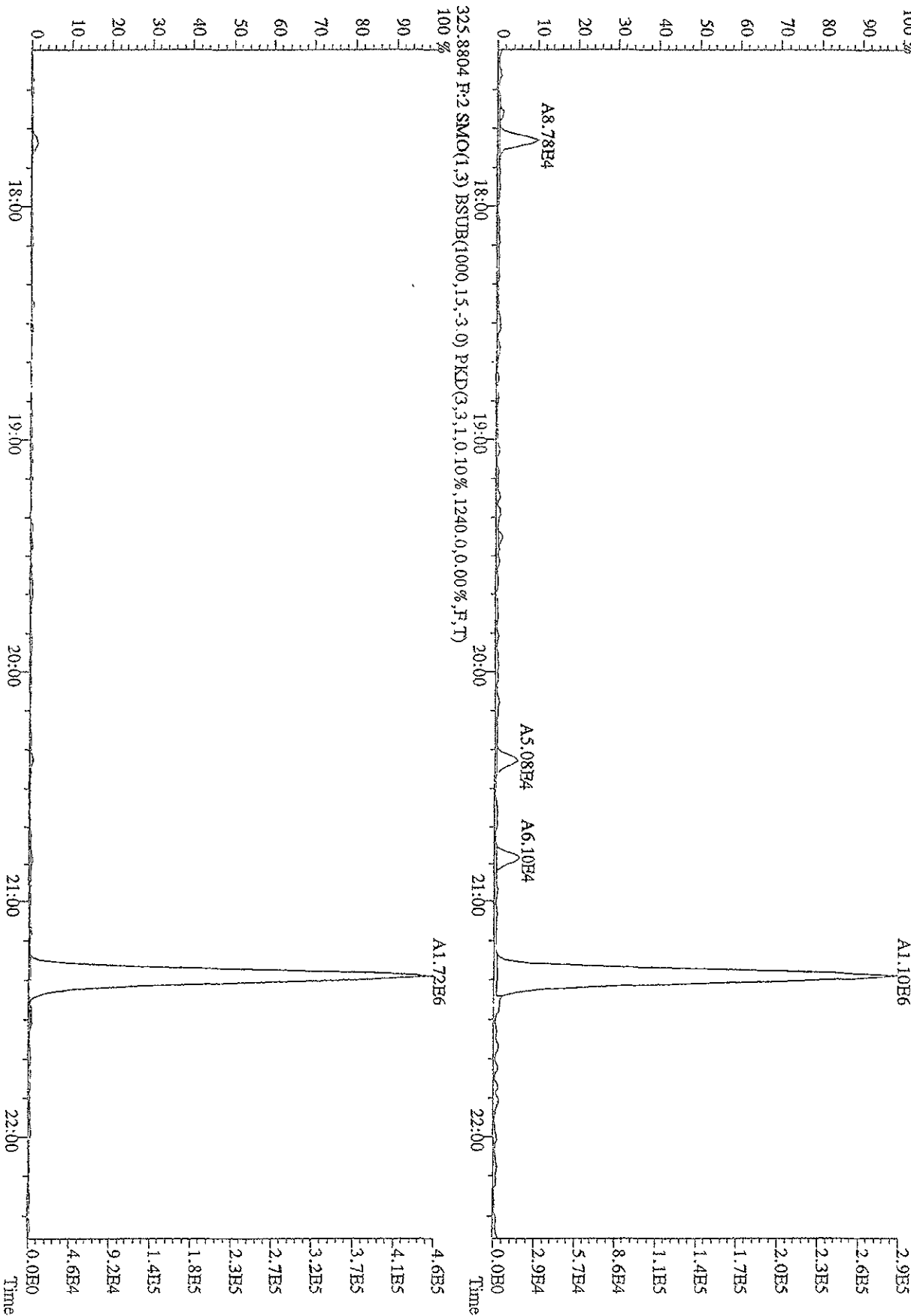
File:151A09D9D5 #1-372 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 289.9224 F:2.SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1736,0,0,00%,F,T)



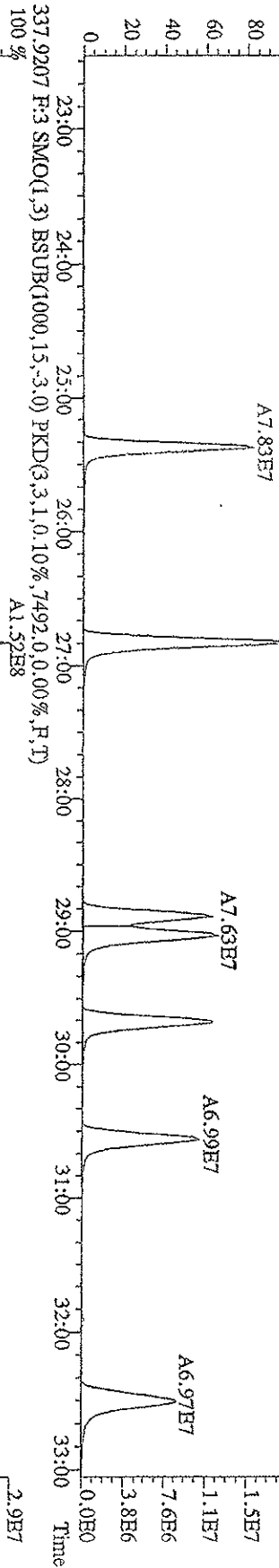
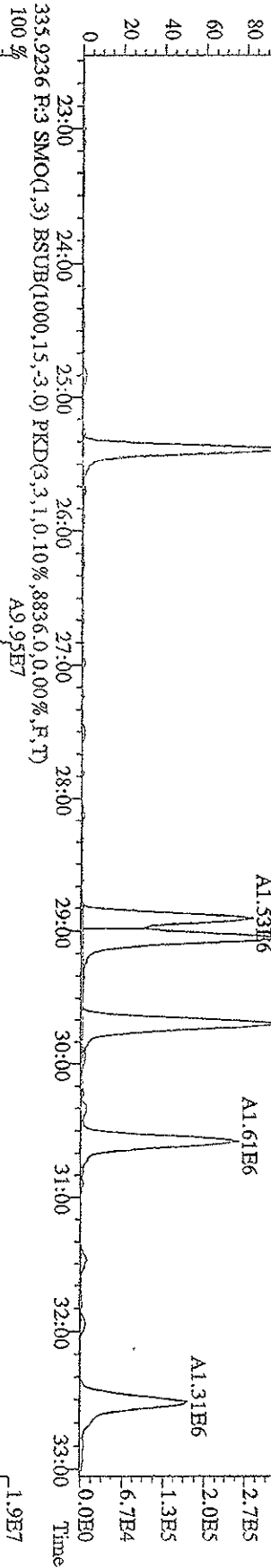
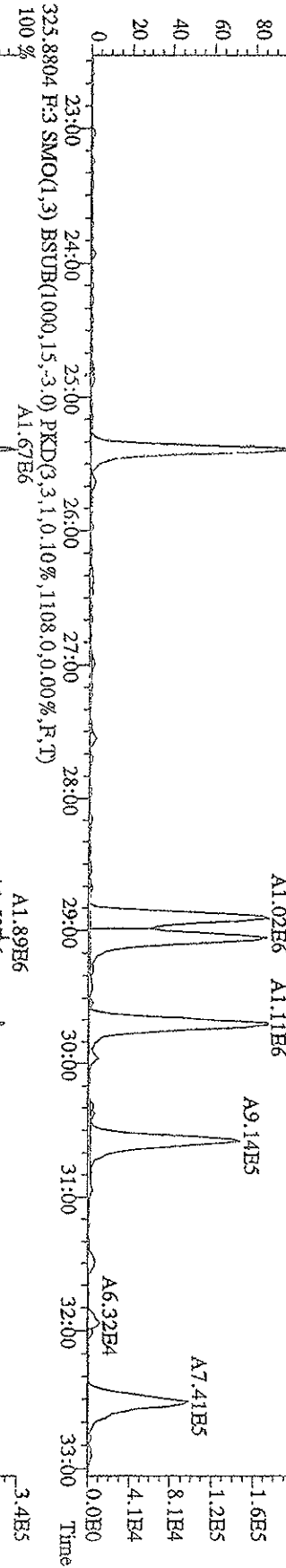
File:151A09D9D5 #1-597 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 289.9224 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1072.0,0.00%,F,T)  
 100%



File: 15JA09D9D5 #1-372 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0115 :CSI 09DXN014 Exp: 209DB5  
 323.8834 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2076,0,0,00%,F,T)

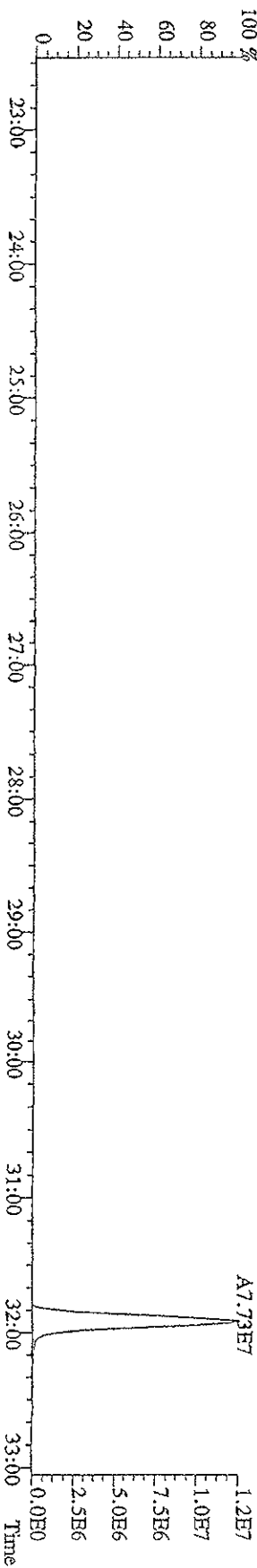
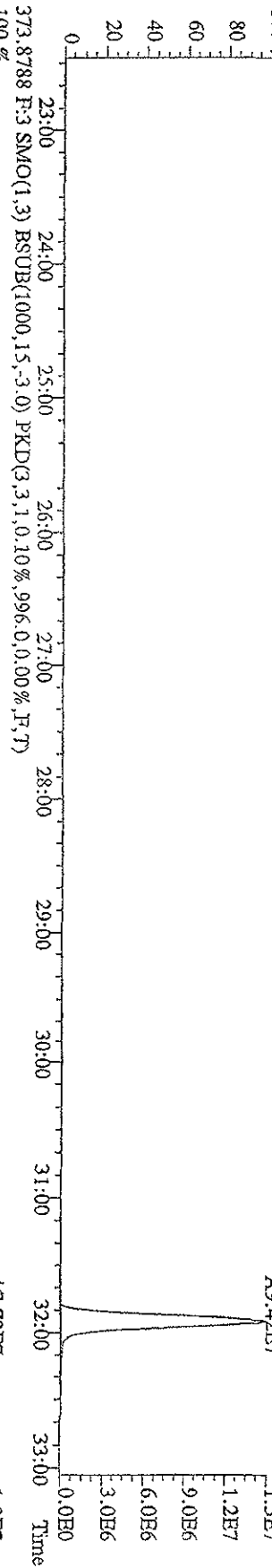
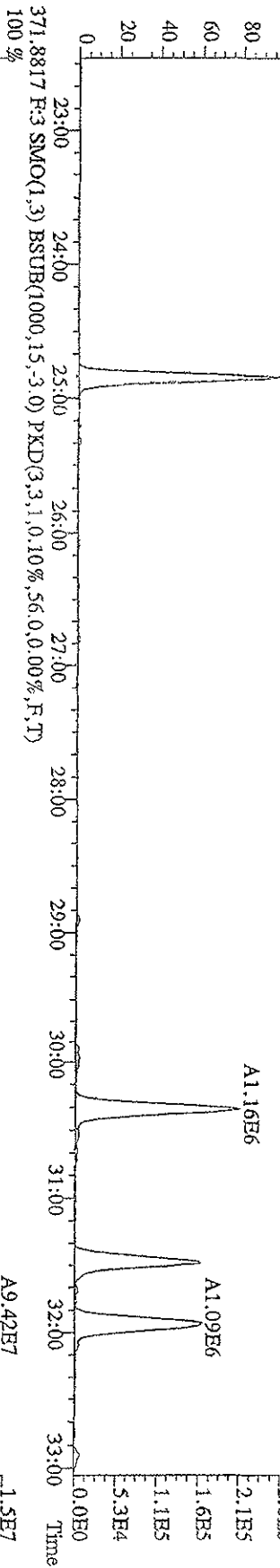
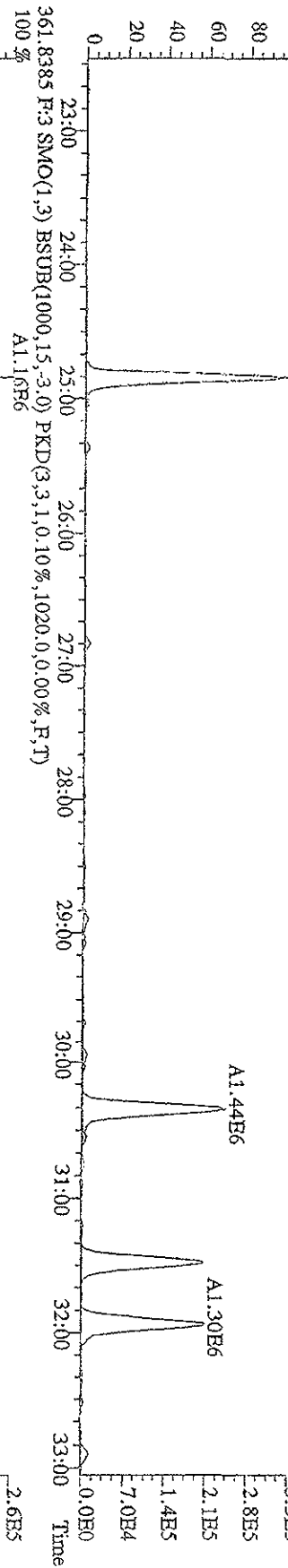


File: 151A09DD9D5 #1-597 Acq: 15-JAN-2009 20:25:19 GC RI + Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0115 : CS1 09DXN014 Exp: 209DB5  
 323.8834 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1500.0,0.00%,F,T)  
 100%

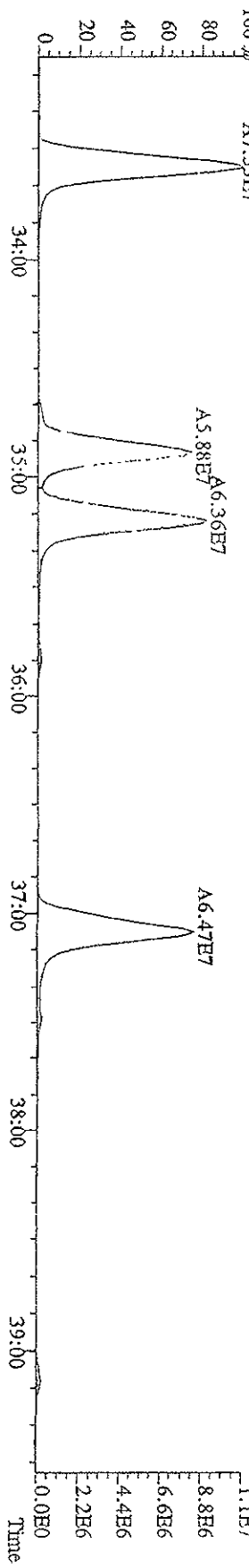
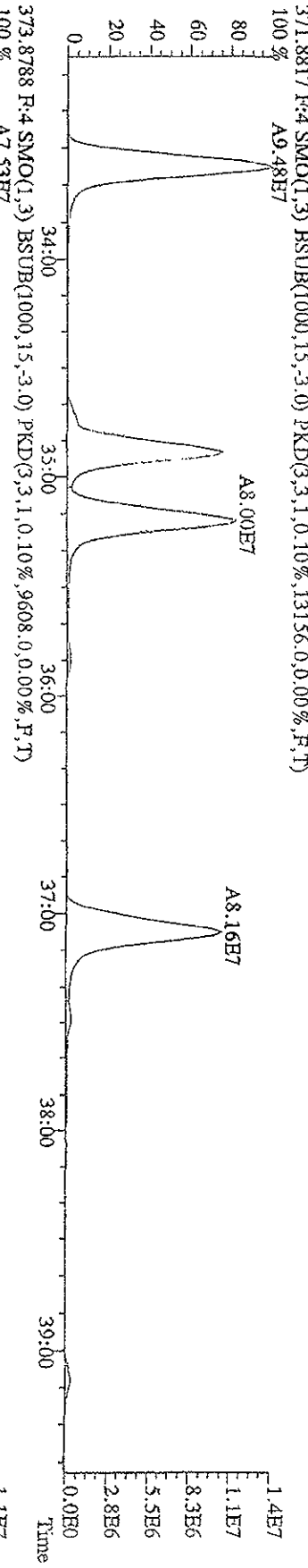
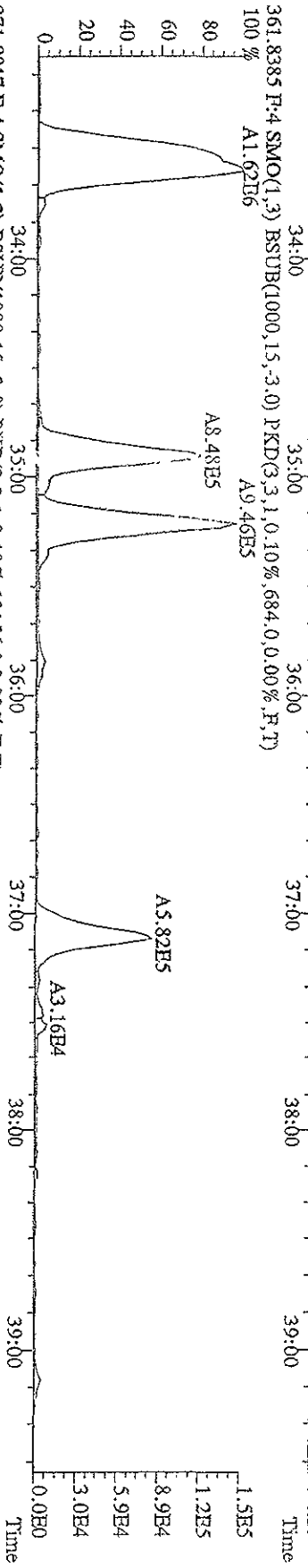
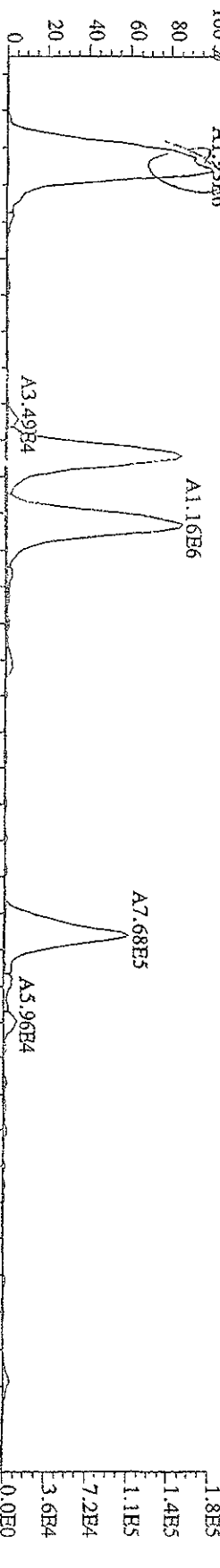




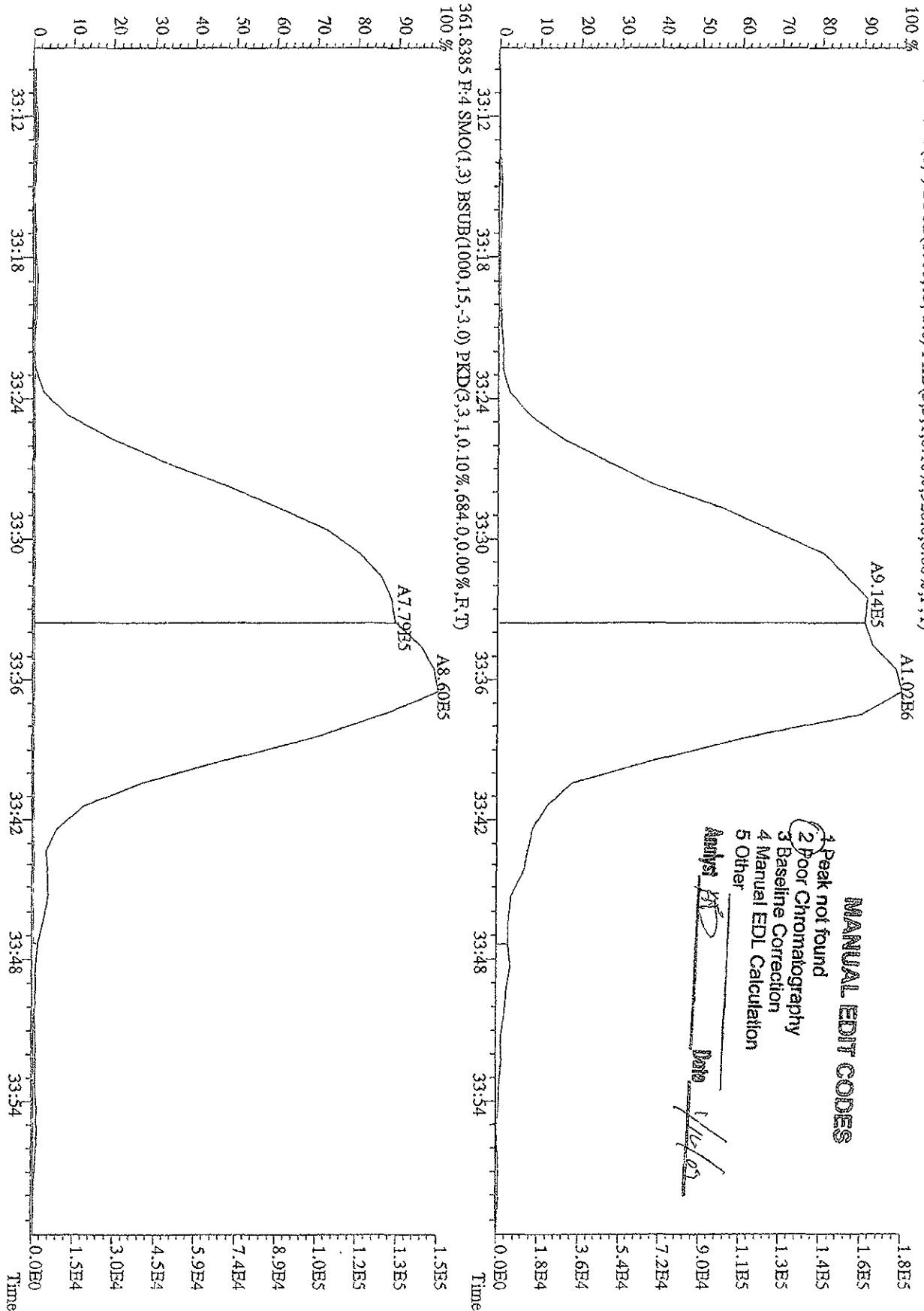
File: 15JA09D9D5 #1-597 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SFR Autospec-UltimaB  
 Sample#1 Text: ST0115 :CSI 09DXN014 Exp: 209DB5  
 359.8415 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1376,0,0,00%,F,T)  
 100% A1.59E6



File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SFR Autospec-UltimaE  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359.8415 Fr:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,928.0,0.00%,F,T)  
 100% A1.93E6



File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC HI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 359.8415 F:4-SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,928.0,0.00%,F,T)

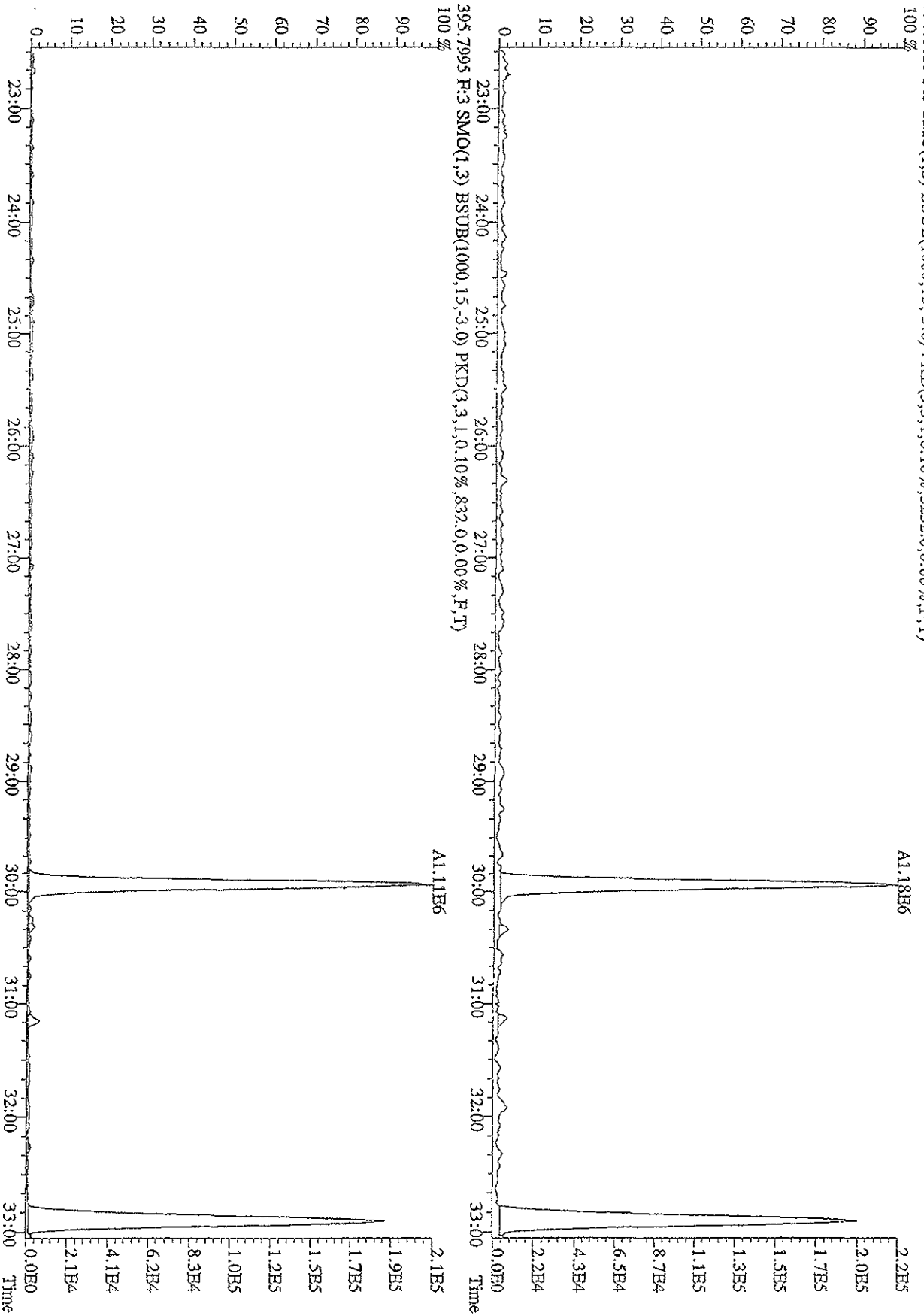


**MANUAL EDIT CODES**

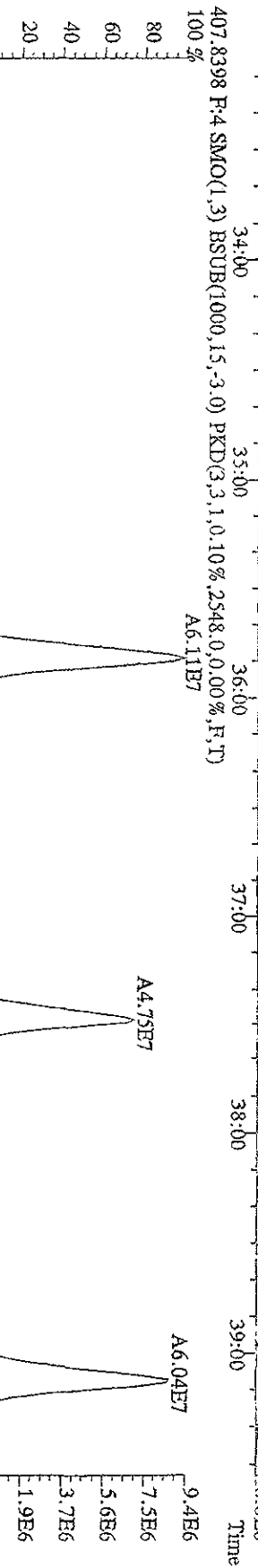
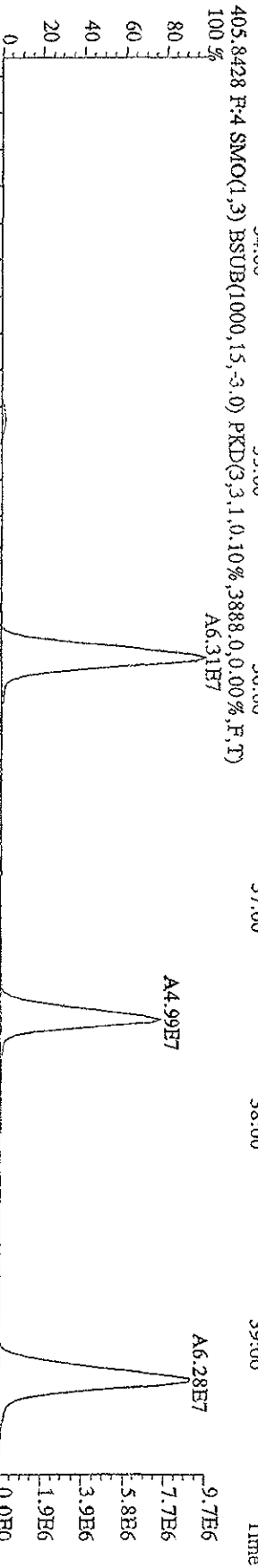
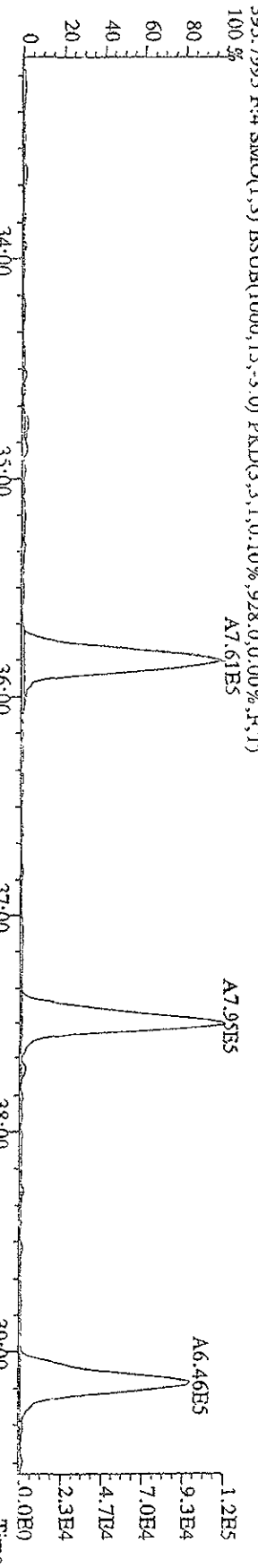
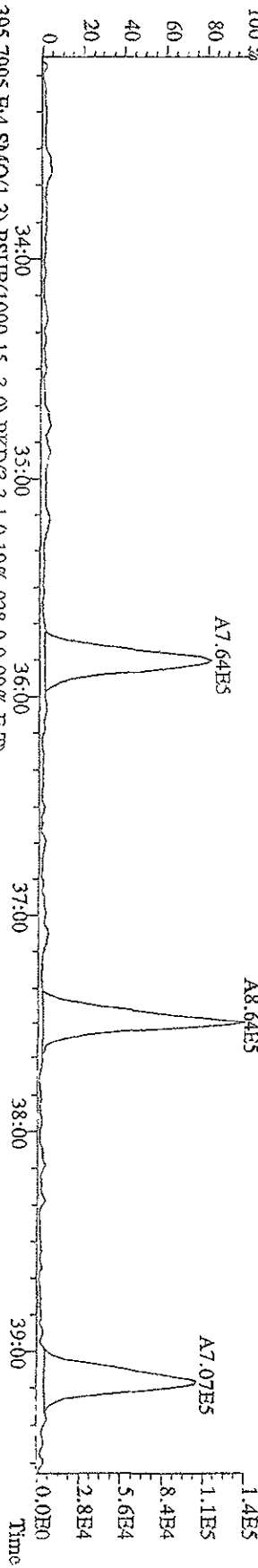
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst HT Date 1/16/09

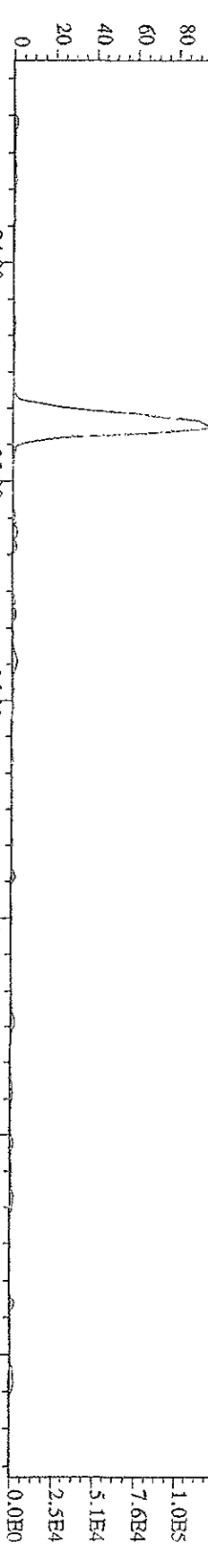
File: 151A09DD9D5 #1-597 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST0115 :CS1 09DXN014 Exp: 209DB5  
 393.8025 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3252.0,0.00%,F,T)  
 100%



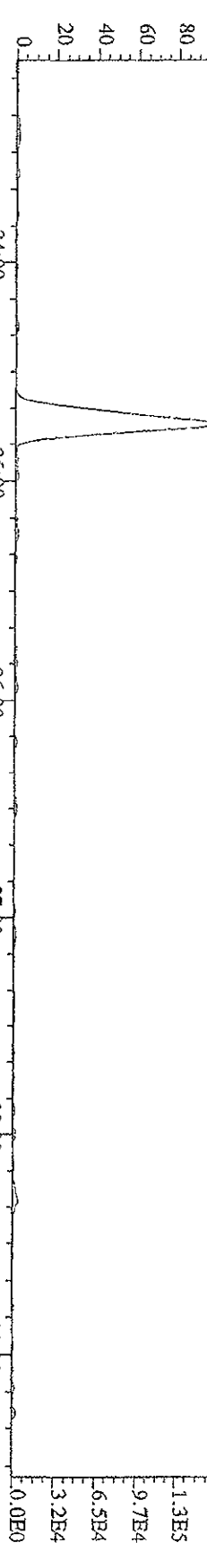
File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltraE  
 Sample#1 Text:ST0115 -CSI 09DXN014 Exp:209DB5  
 393.8025 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,.3464,0,0,00%,F,T)



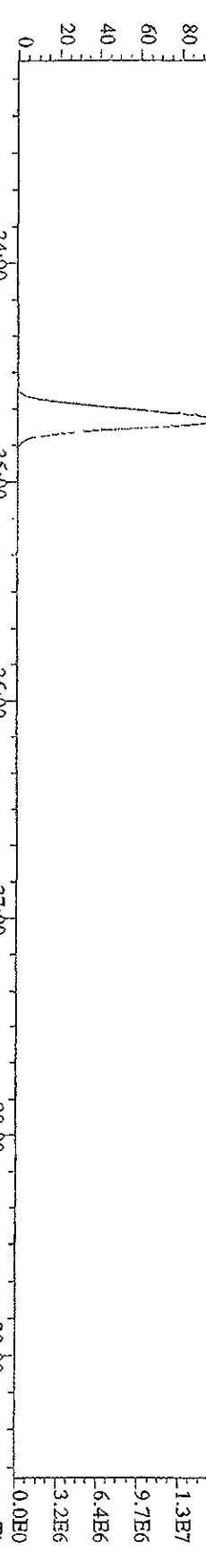
File:151A09D9D5 #1-395 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 427.7635 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,396,0,0,00%,F,T)  
 100% A8.09E5



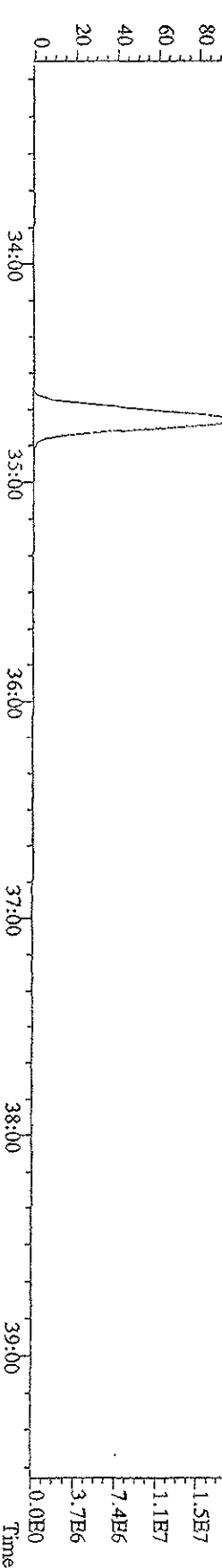
429.7606 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,484,0,0,00%,F,T)  
 100% A9.85E5



439.8038 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,76,0,0,00%,F,T)  
 100% A9.88E7



441.8008 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,784,0,0,00%,F,T)  
 100% A1.14E8



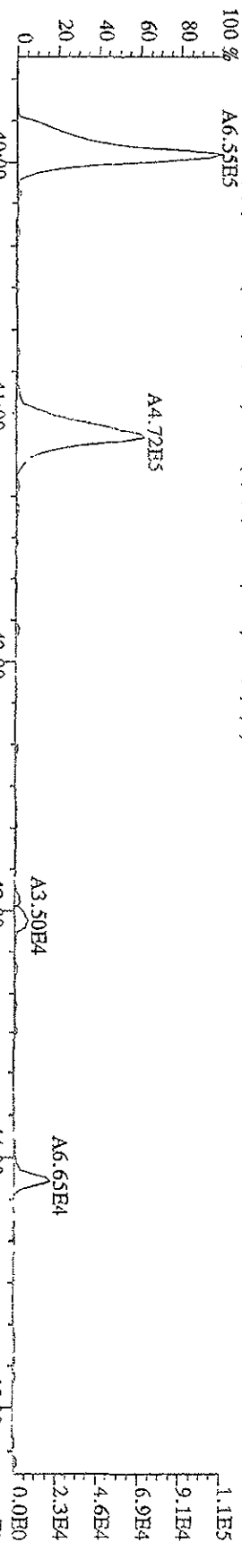
File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC-ET+ Voltage SIR Autospec-Ultimate

Sample#1 Text:ST0115 :CSI\_09DXN014

Exp:209DB5

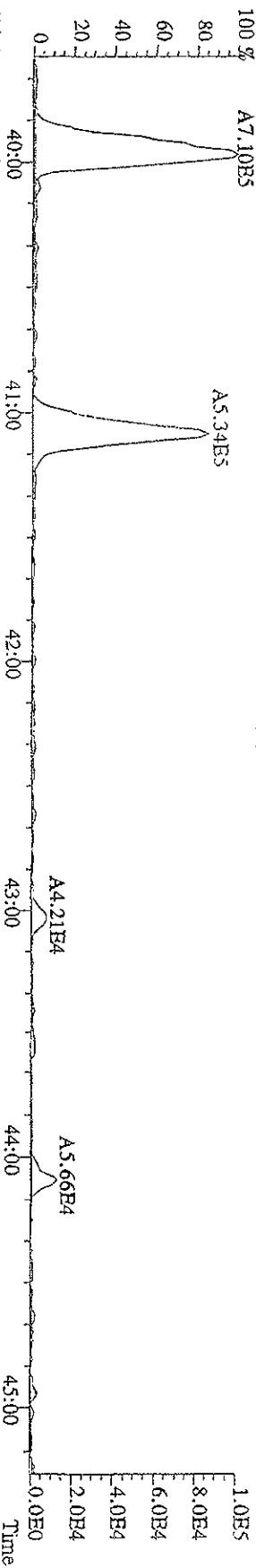
427.7635 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,76,0,0,00%,F,T)

100% A6.55E5



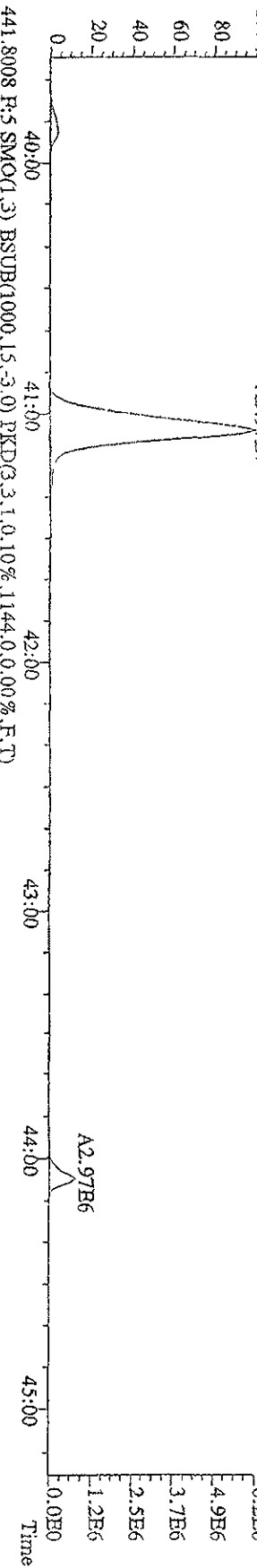
429.7606 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,816,0,0,00%,F,T)

100% A7.10E5



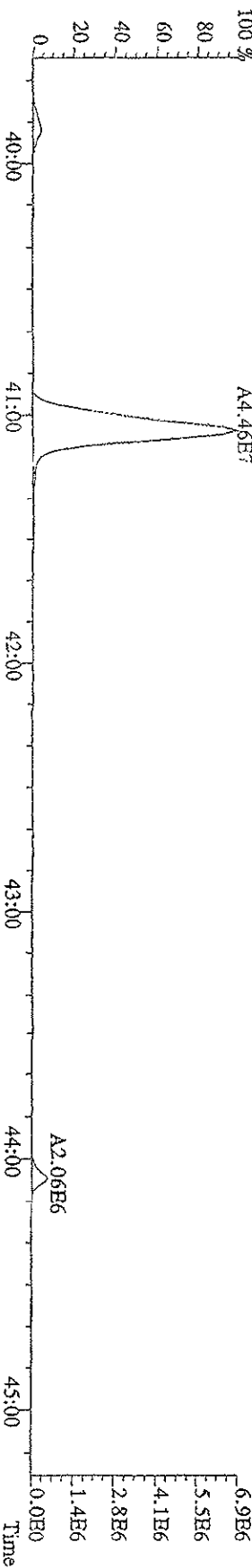
439.8038 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,48,0,0,00%,F,T)

100% A3.97E7

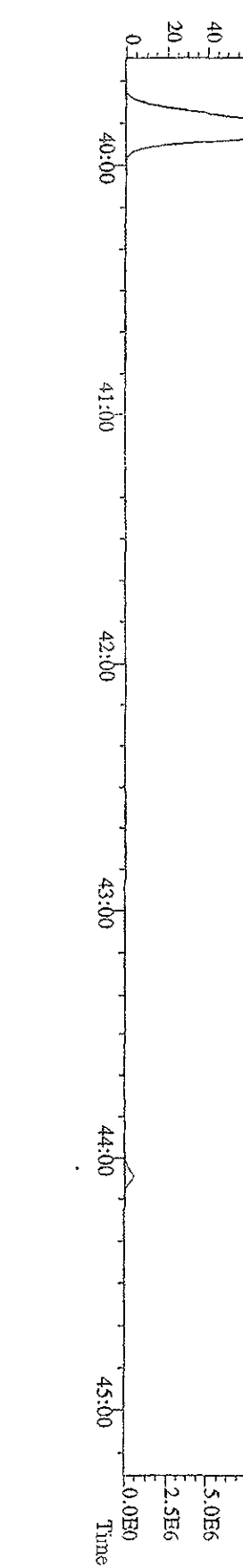
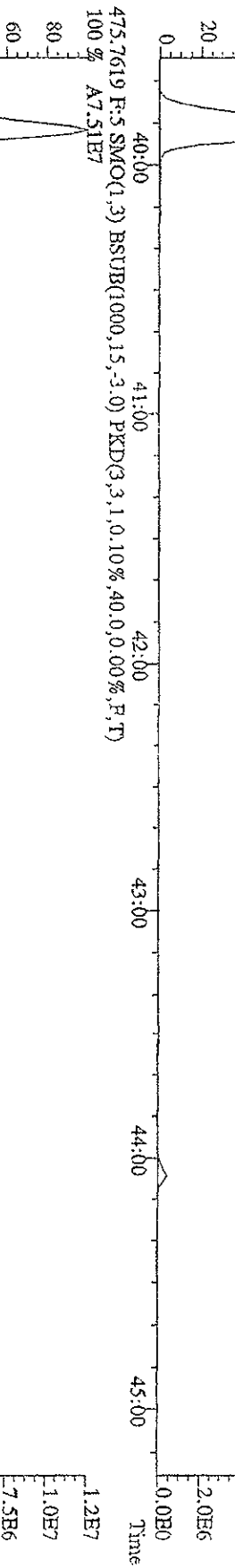
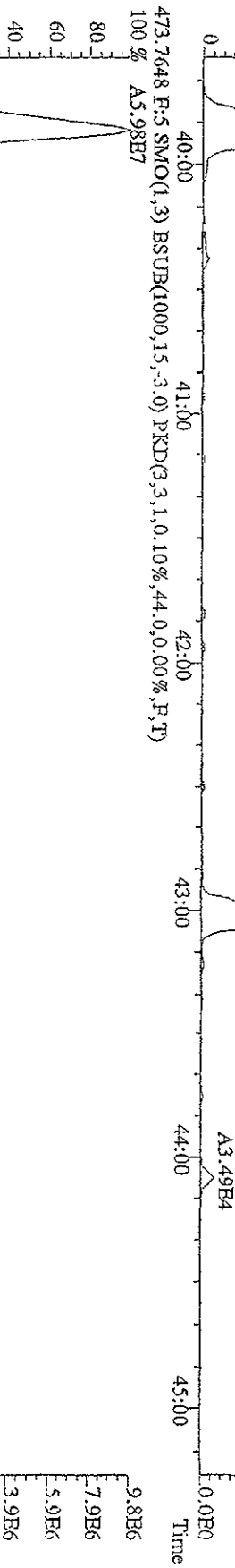
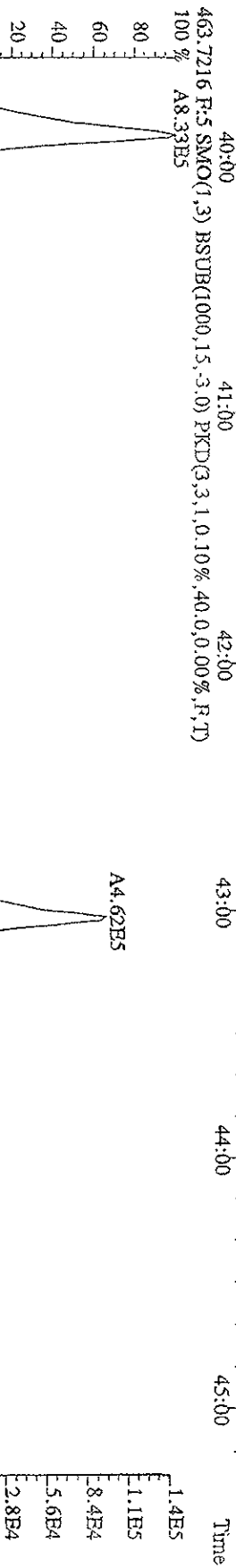
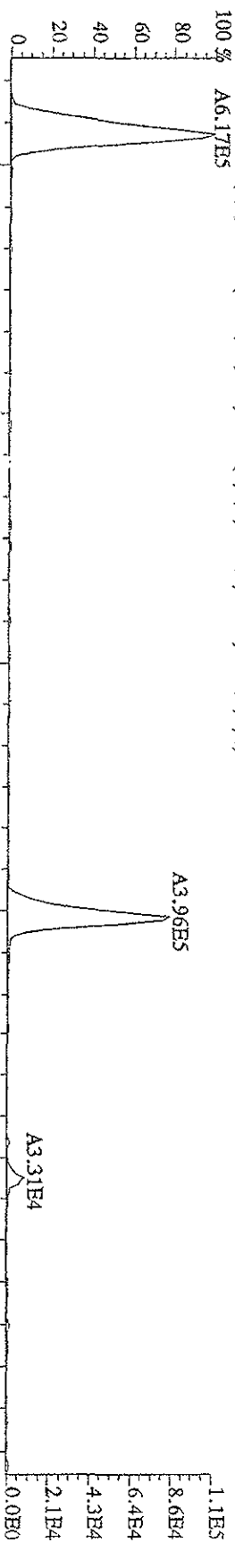


441.8008 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1144,0,0,00%,F,T)

100% A4.46E7

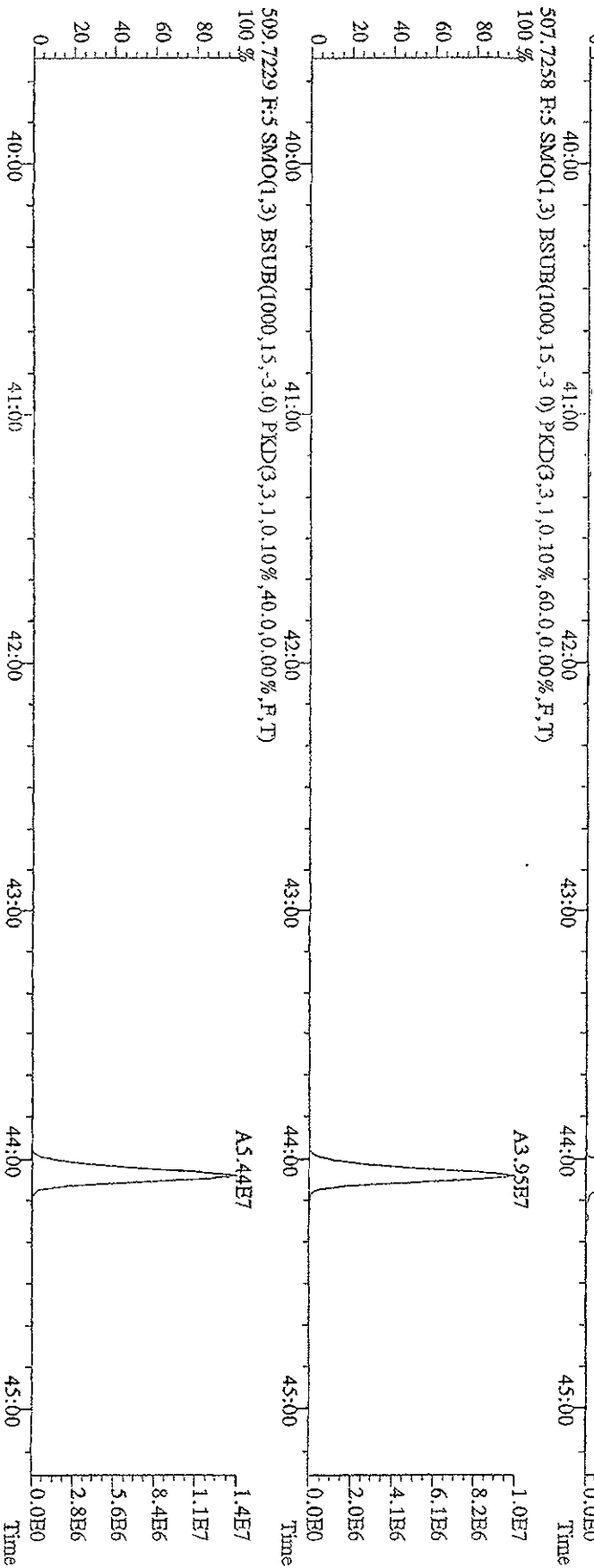
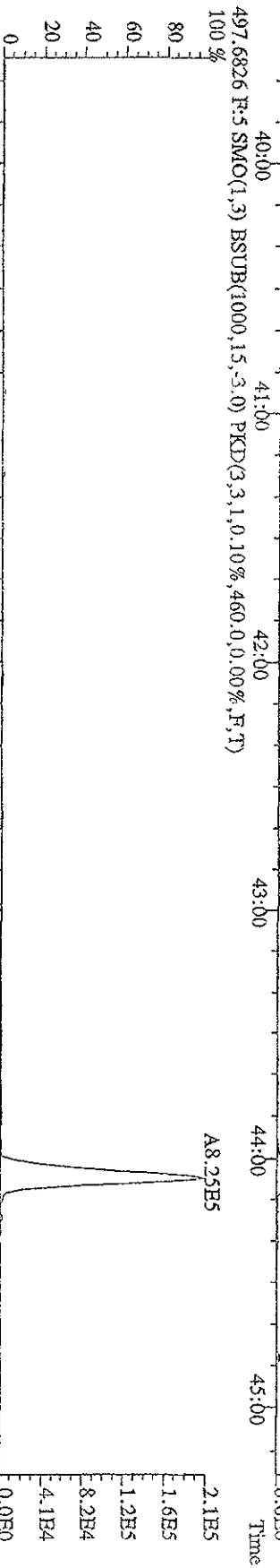
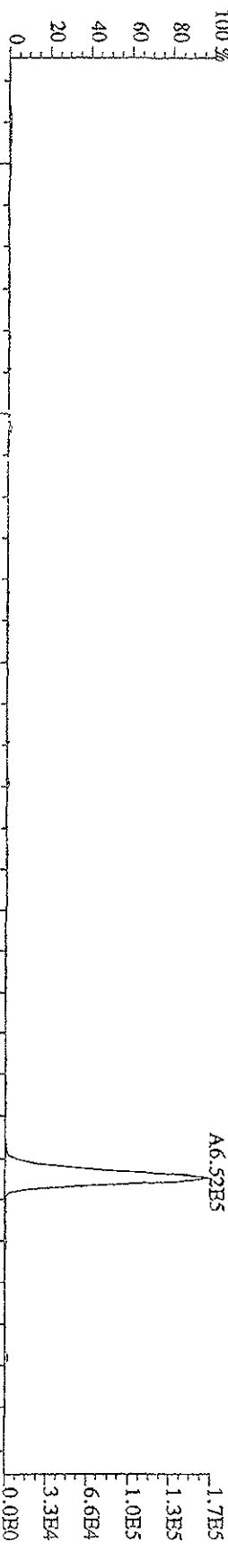


File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 461.7245 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,336.0,0.00%,F,T)  
 100% A6.17E5

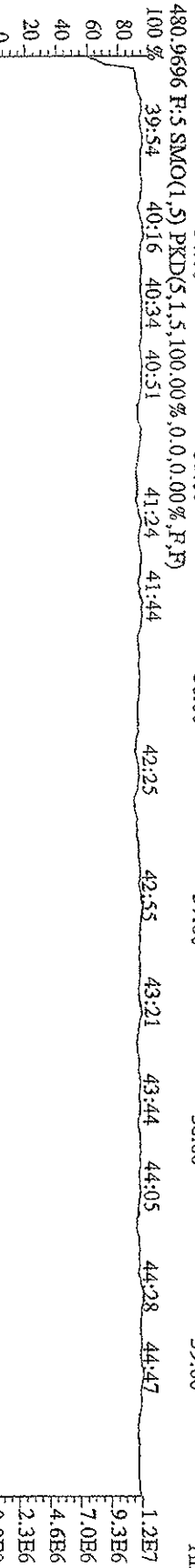
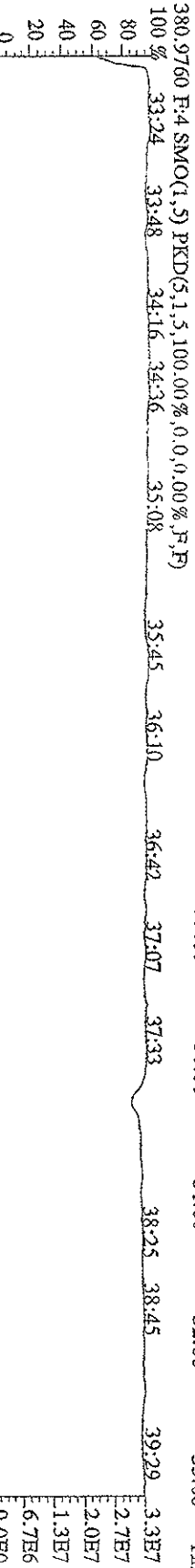
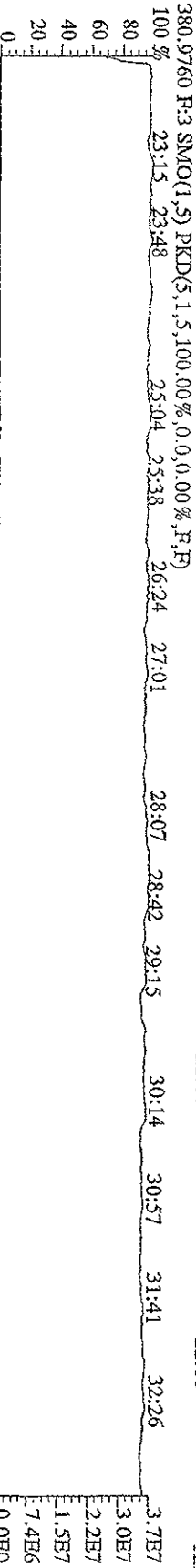
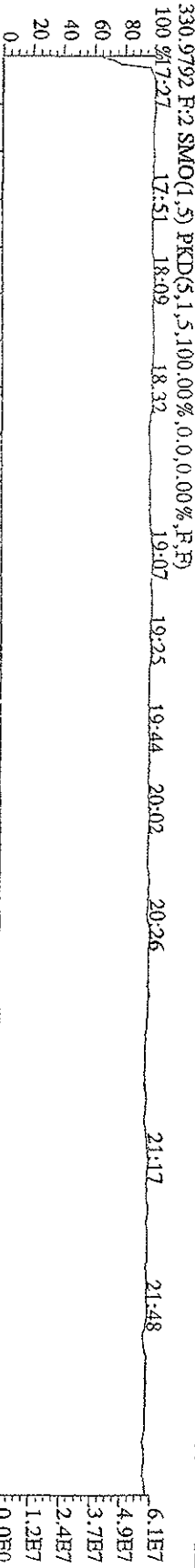
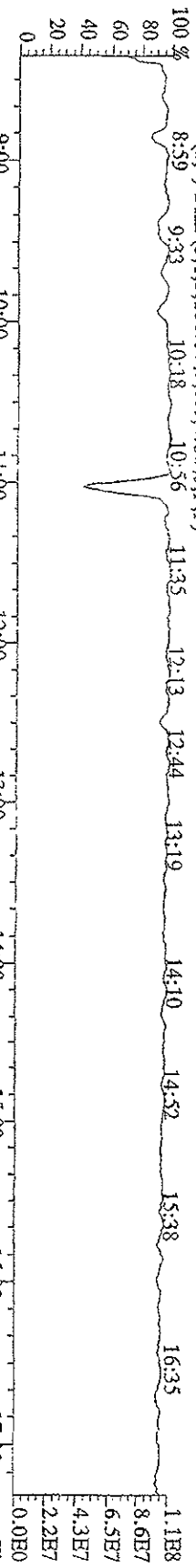




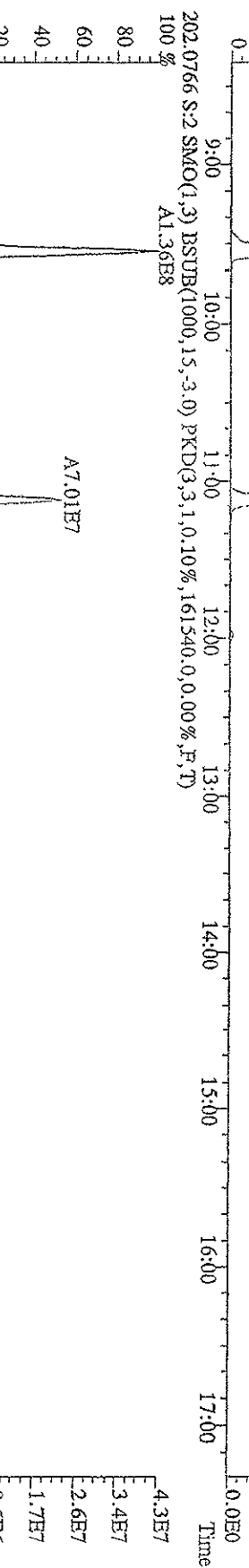
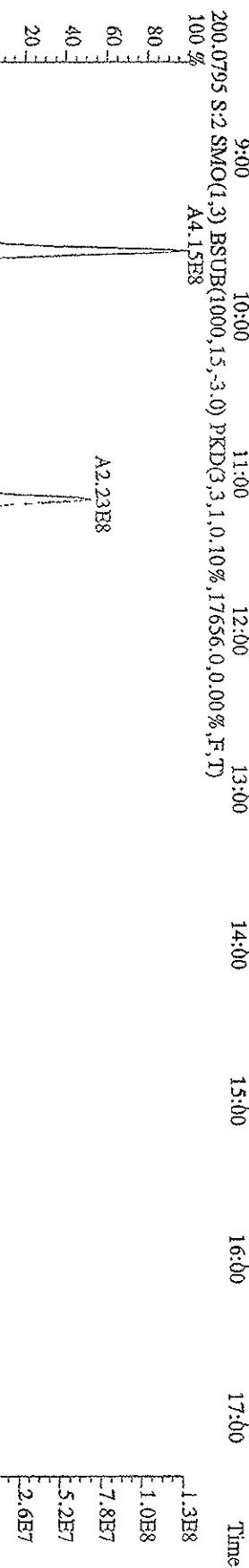
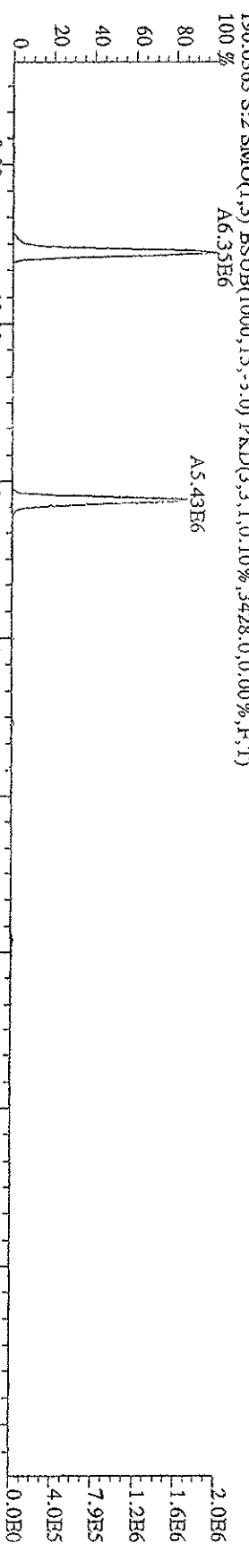
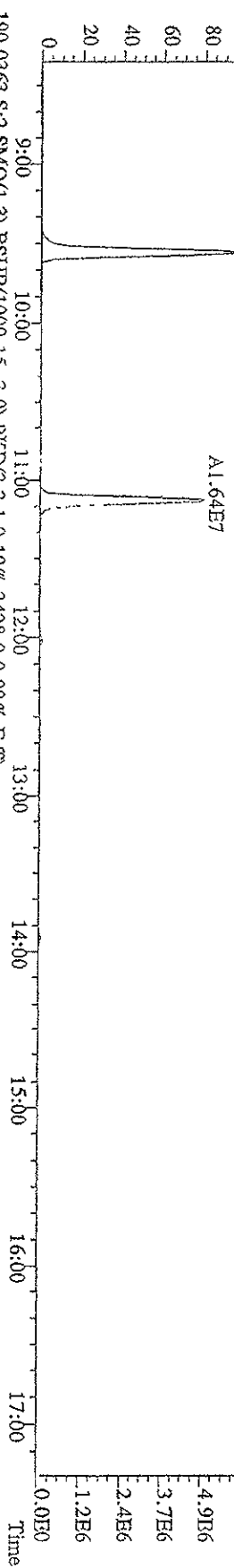
File:151A09D9D5 #1-378 Acq:15-JAN-2009 20:25:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST0115 :CSI 09DXN014 Exp:209DB5  
 497.6826 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,460.0,0.00%,F,T)  
 509.7229 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,40.0,0.00%,F,T)



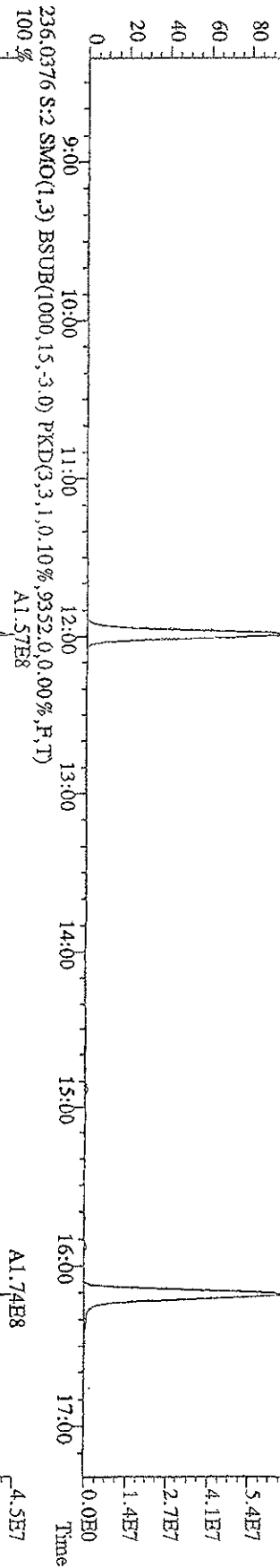
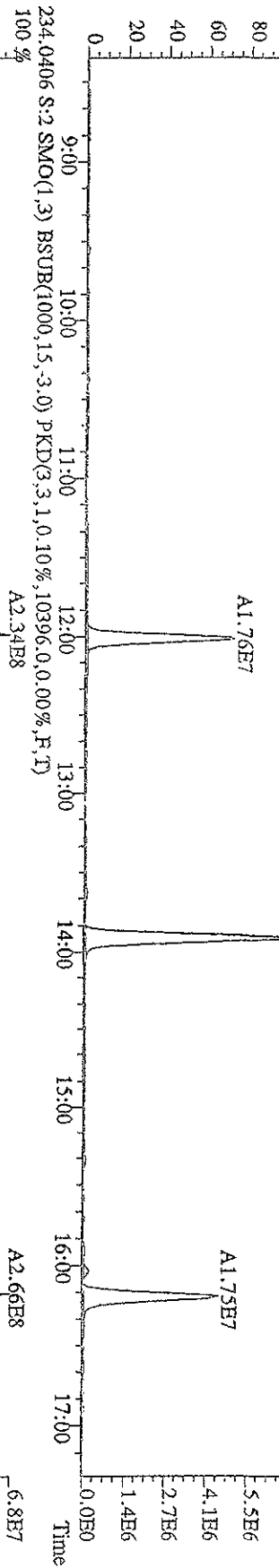
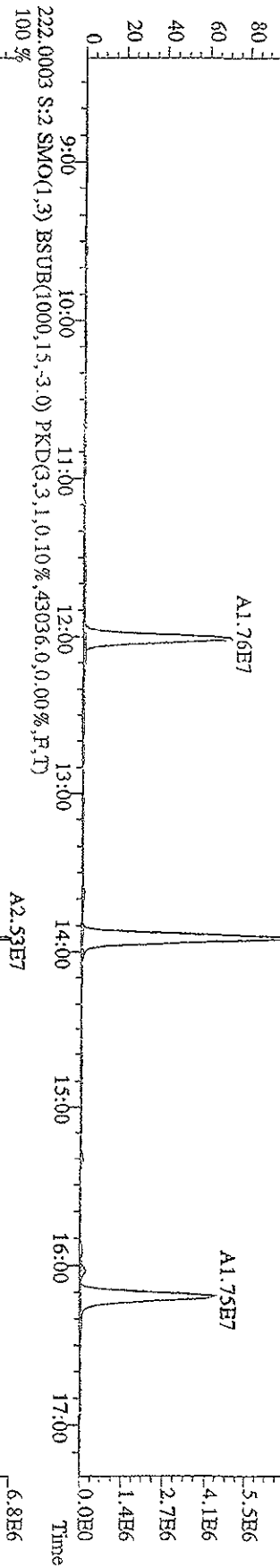
File: 15JAO9D9D5 #1-608 Acq: 15-JAN-2009 20:25:19 GC EI+ Voltage: SR Autospec-UltimaE  
 Sample #1 Text: ST0115 :CS1 09DXN014 Exp: 209DB5



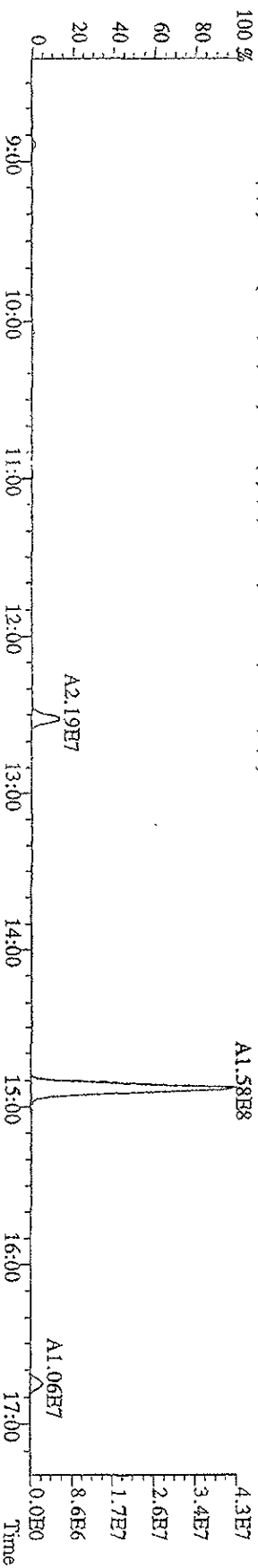
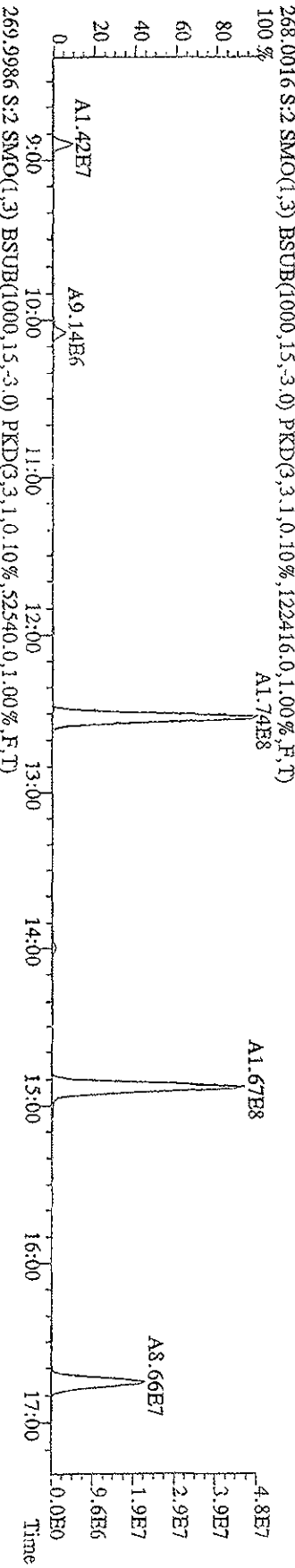
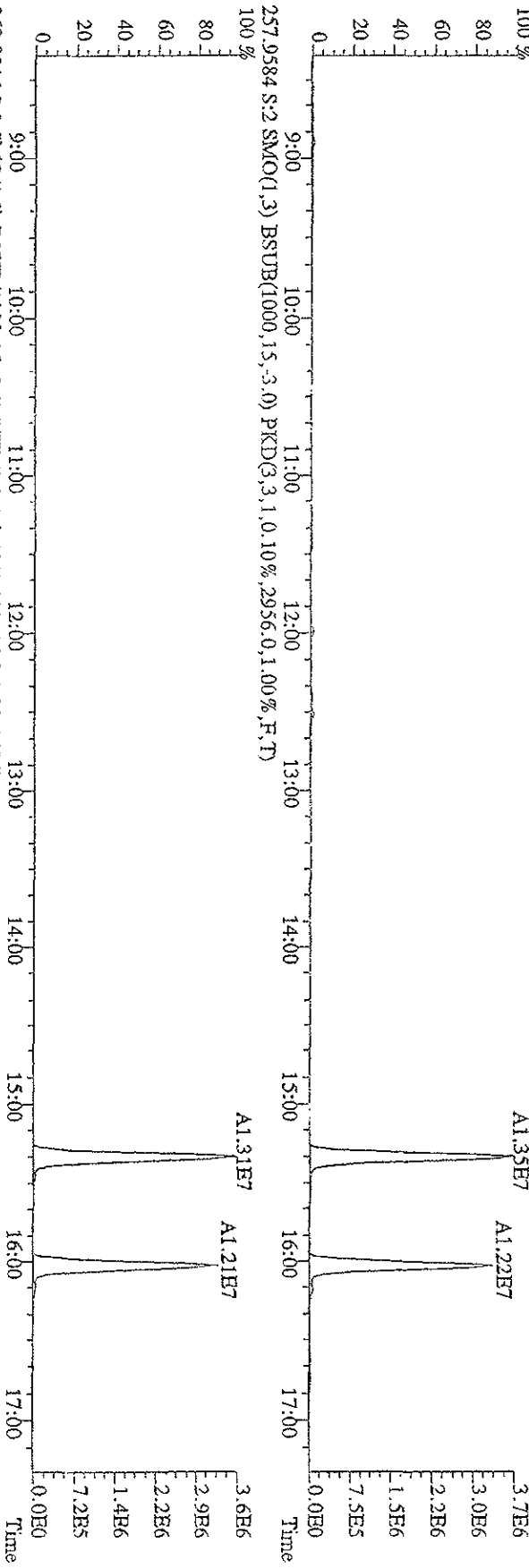
File:151A09DD9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 188.0393 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,5748.0,0.00%,F,T)  
 100%



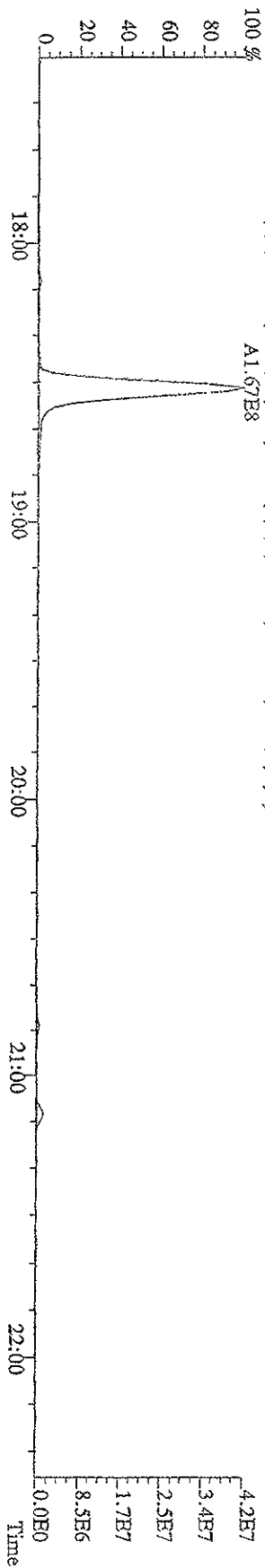
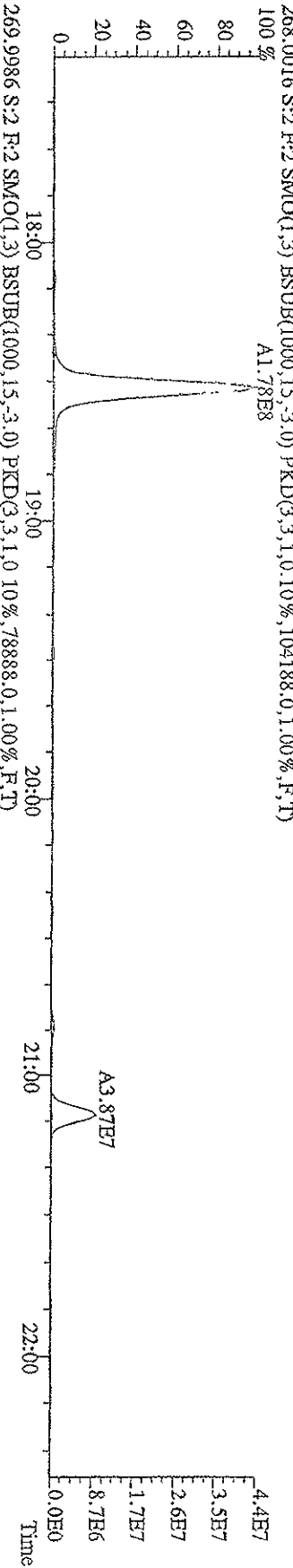
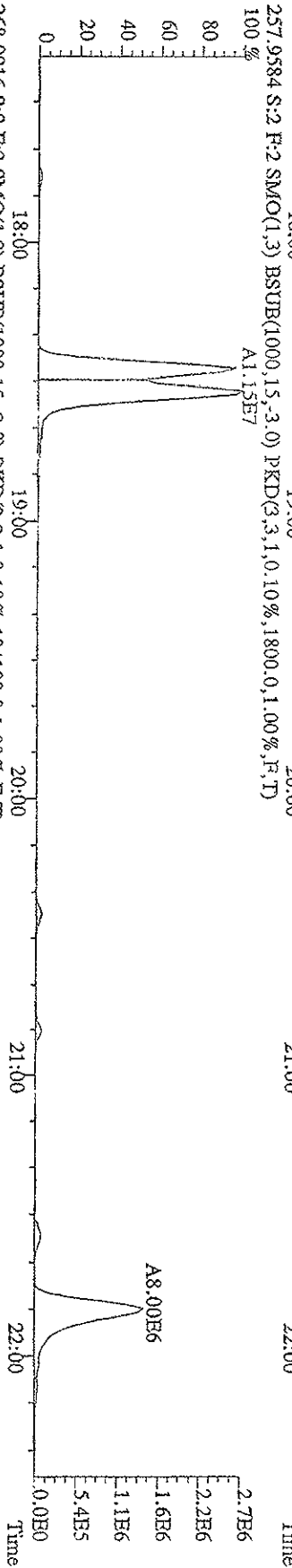
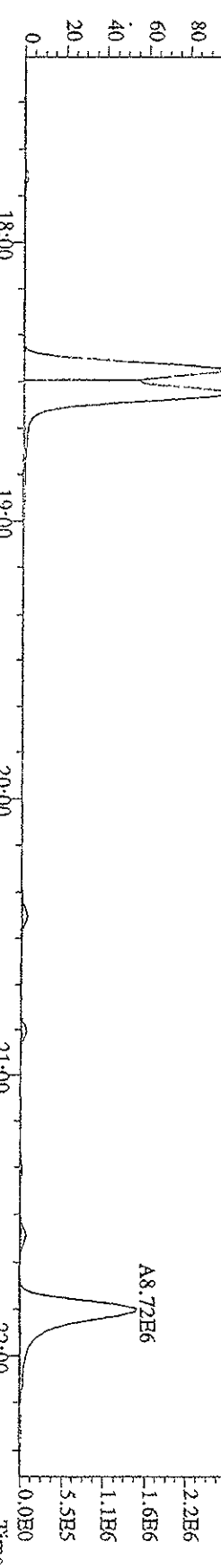
File:15JA09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC:EI+ Voltage:51R Autospec-UltimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 222.0003 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,43036,0,0,00%,F,T)



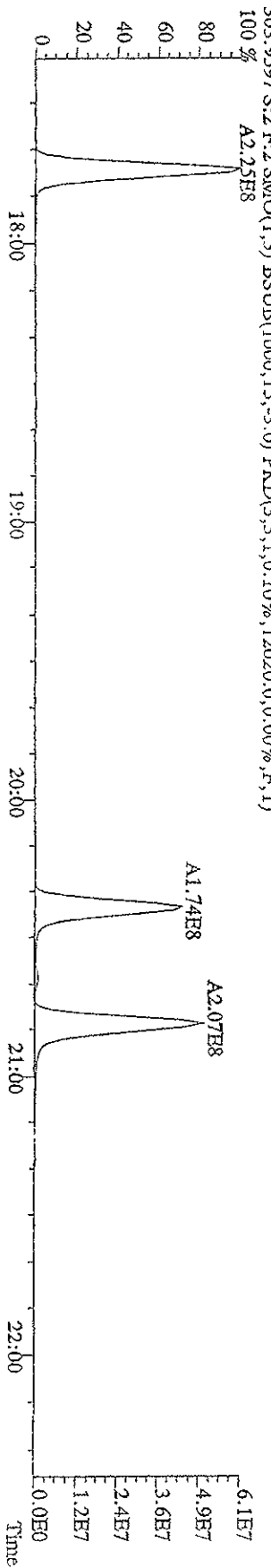
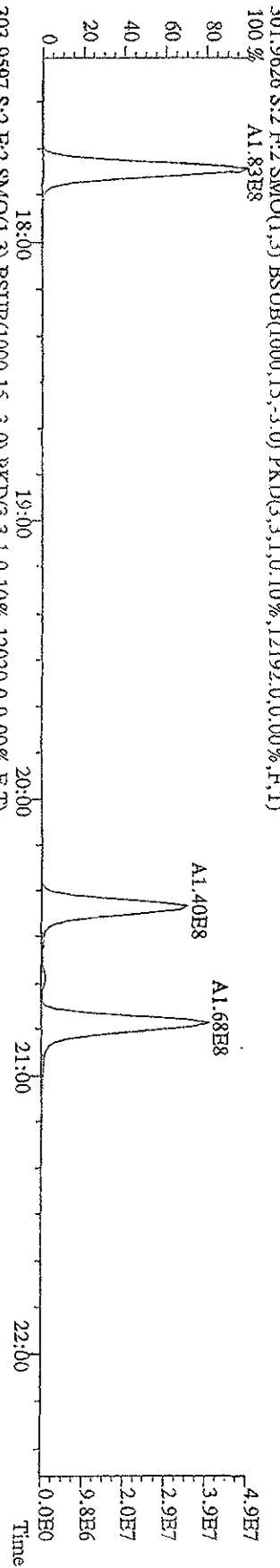
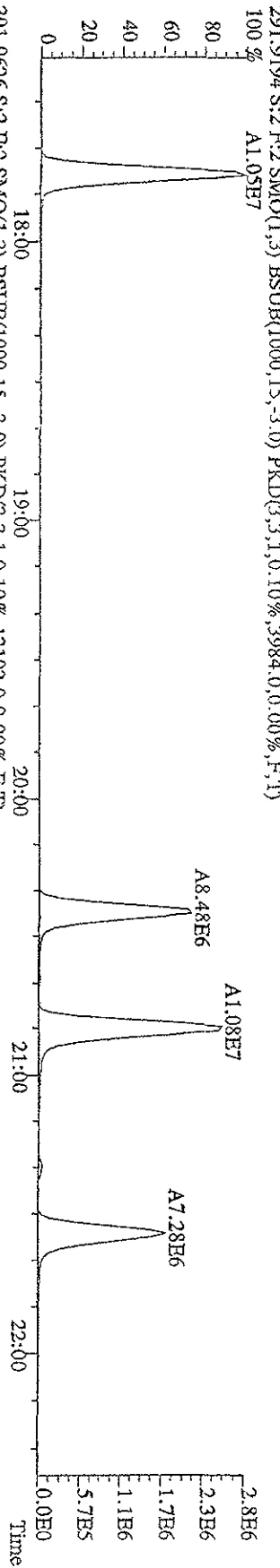
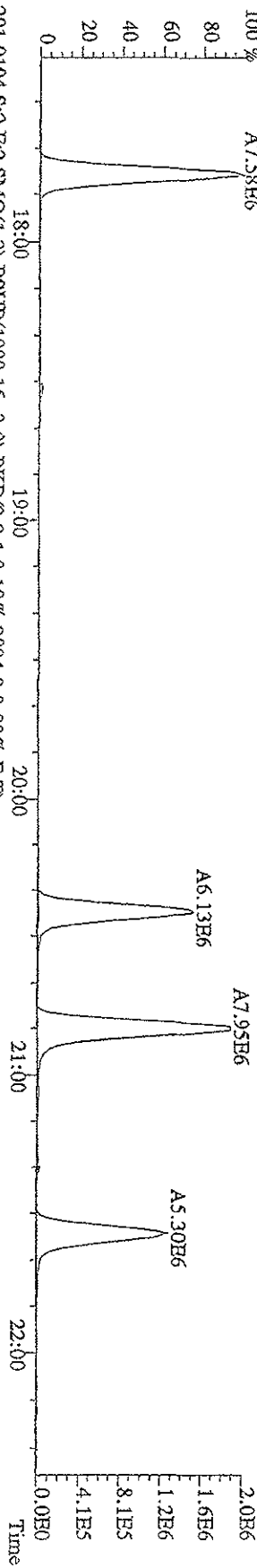
File:151A09DD9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 255.9613 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,6348.0,1.00%,F,T)



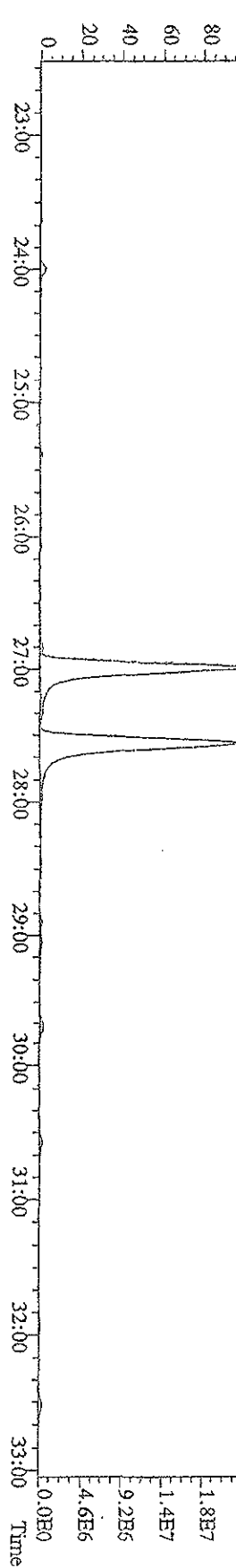
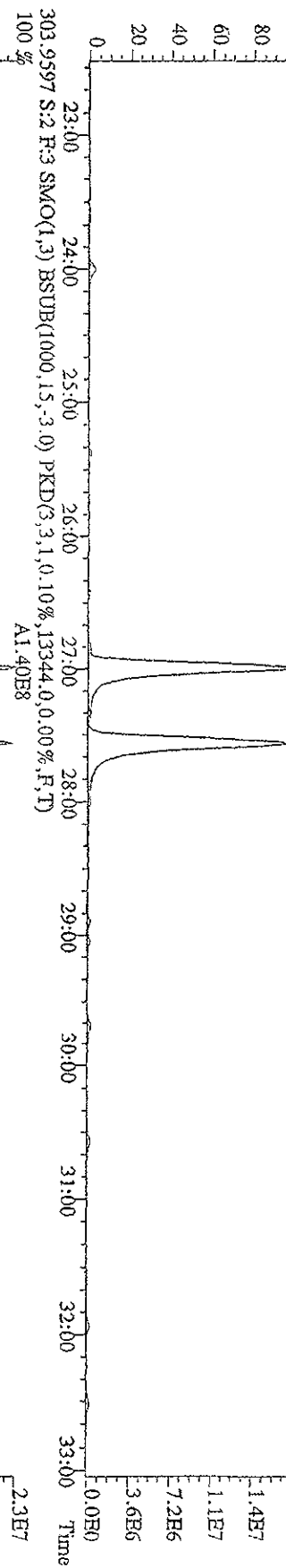
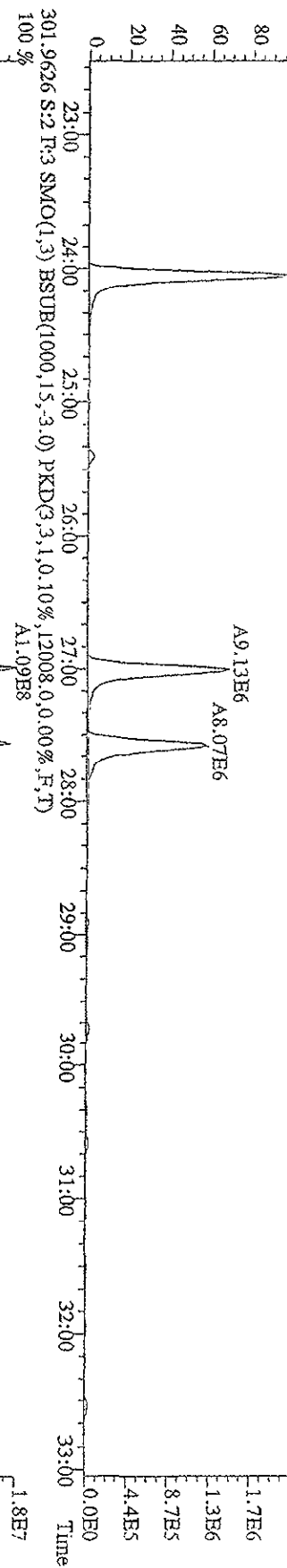
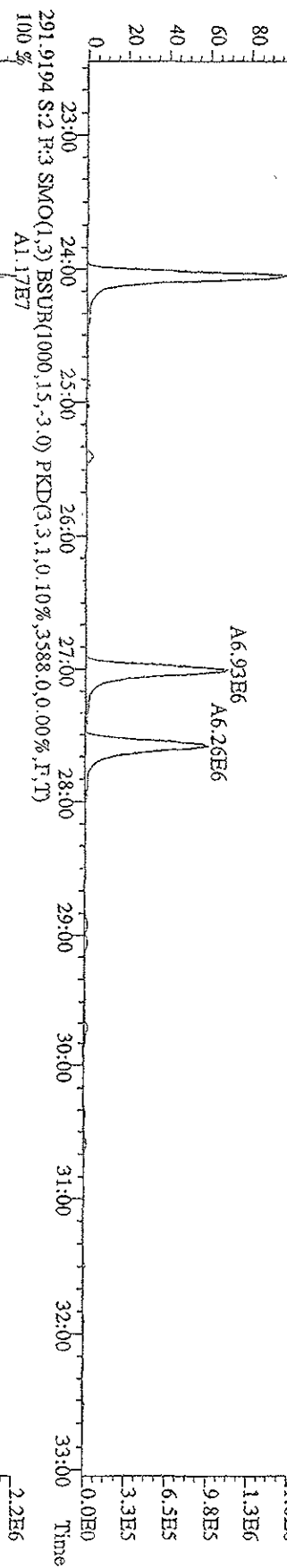
File:151A09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 255.9613 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6728,0,1,00%,F,T)



File:151A09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 289.9224 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,712.0,0.00%,F,T)

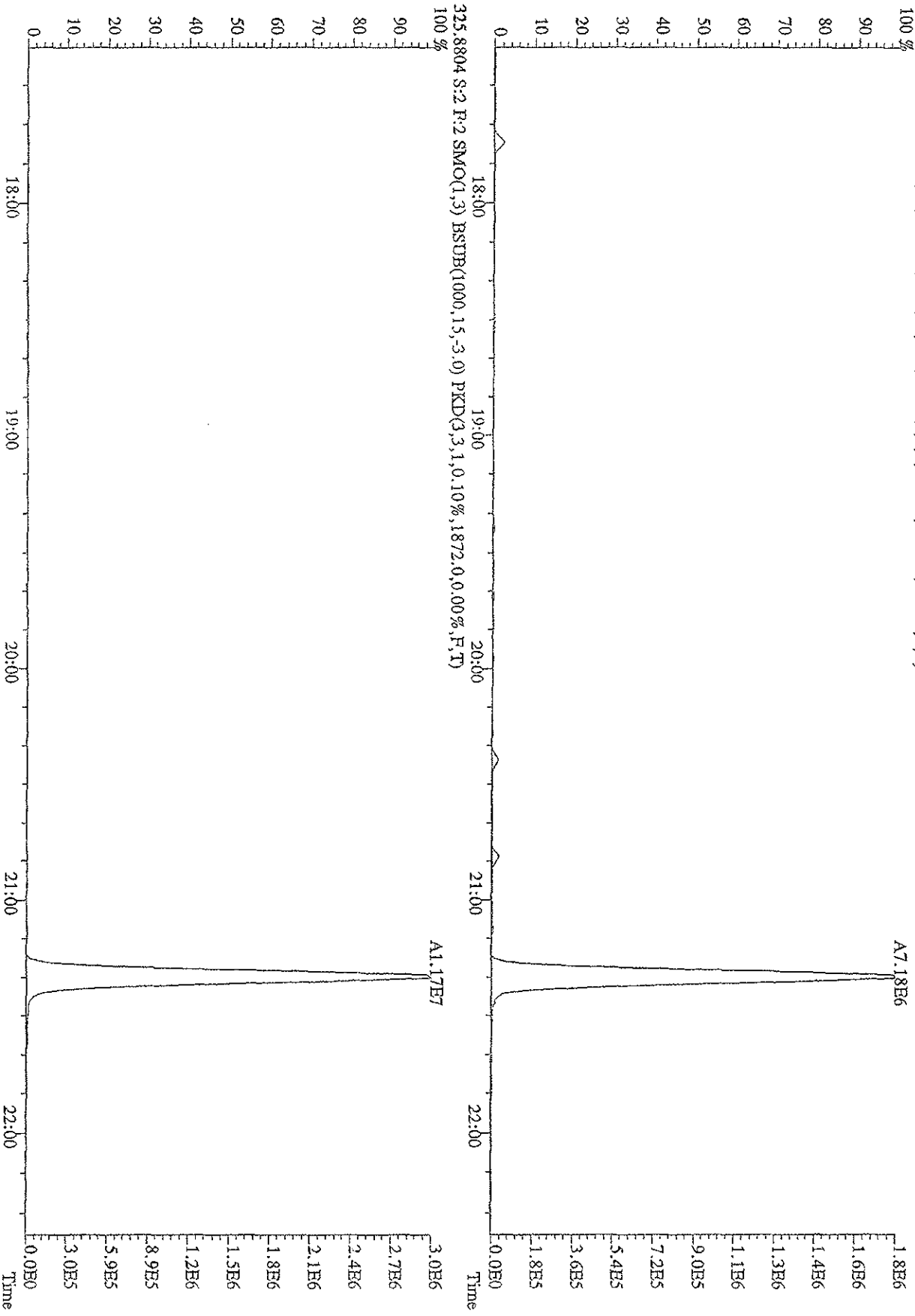


Title: 151A09D9D5 #1-597 Acq: 15-JAN-2009 21:16:36 GC RI + Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0115A : CSS2 09DXN015 Exp: 209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2360,0,0,00%,F,T)  
 100 %

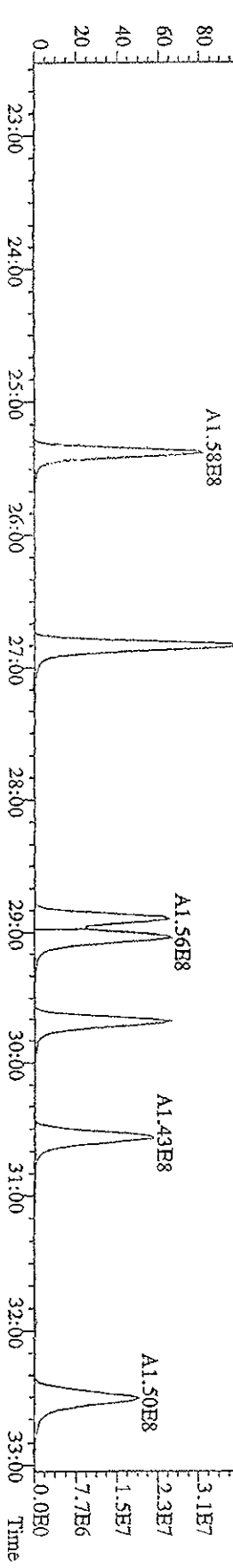
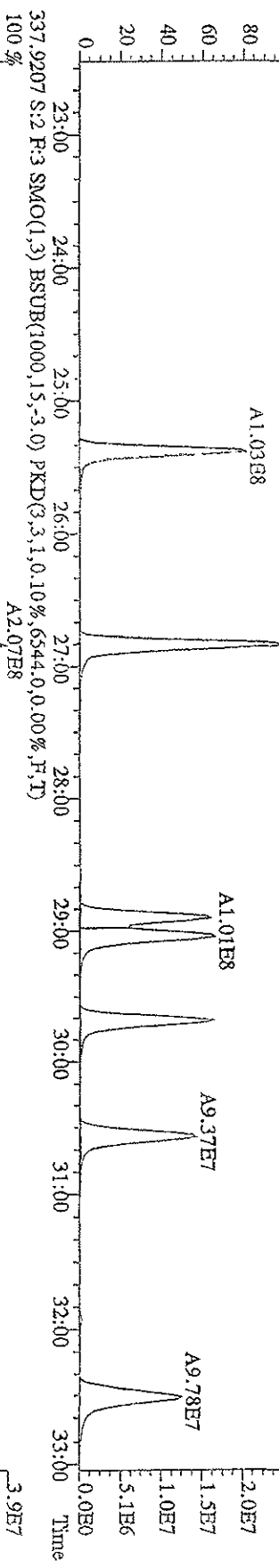
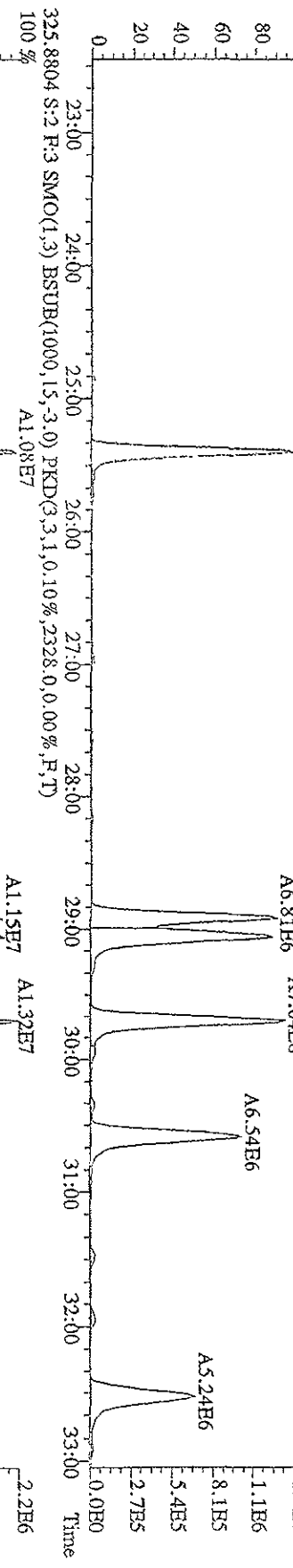




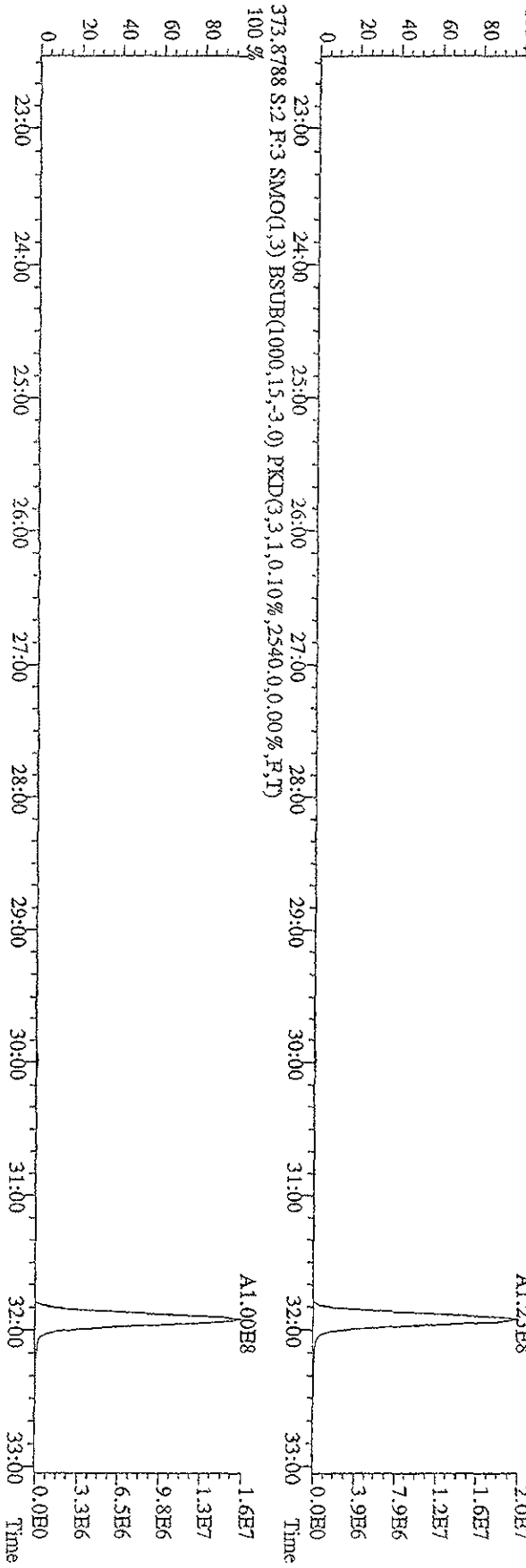
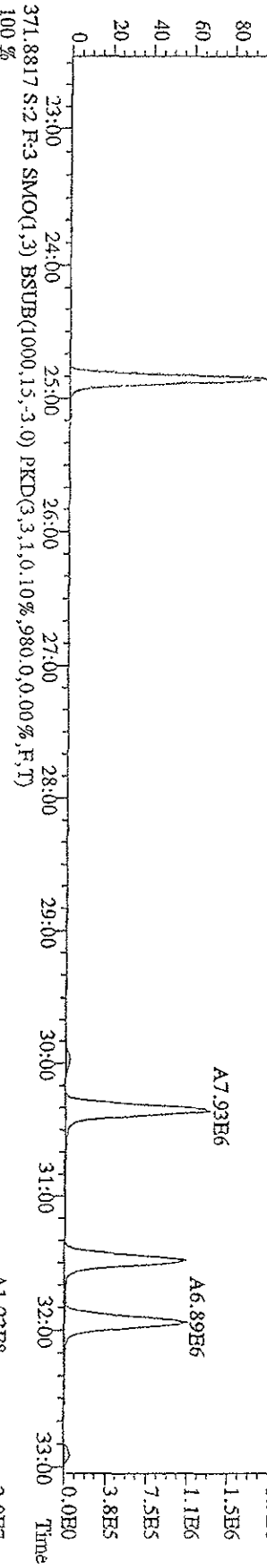
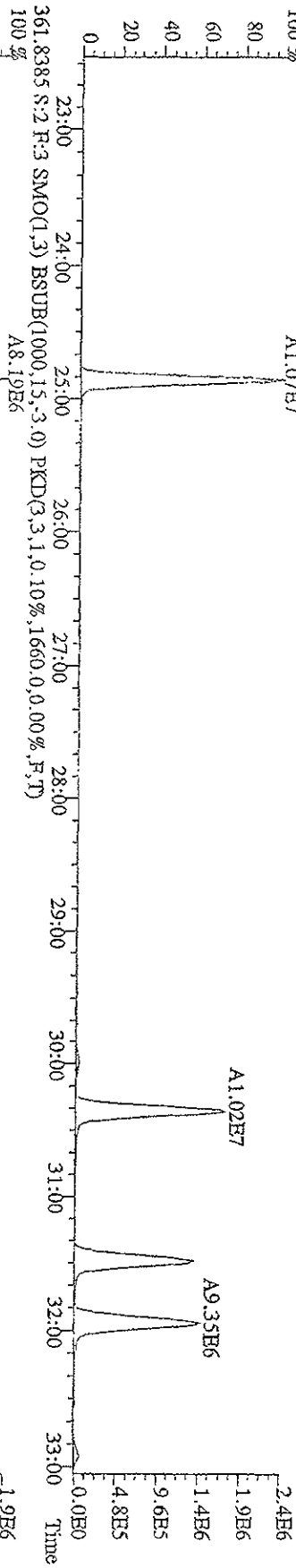
File:15JA09D9D5 #1-371 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
323.8834 S:2 F:2 SMO(1.3) BSTUB(1000,15,-3.0) PKD(3,3,1,0,10%,2132,0,0,00%,F,T)



File:151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2328,0,0,00%,F,T)

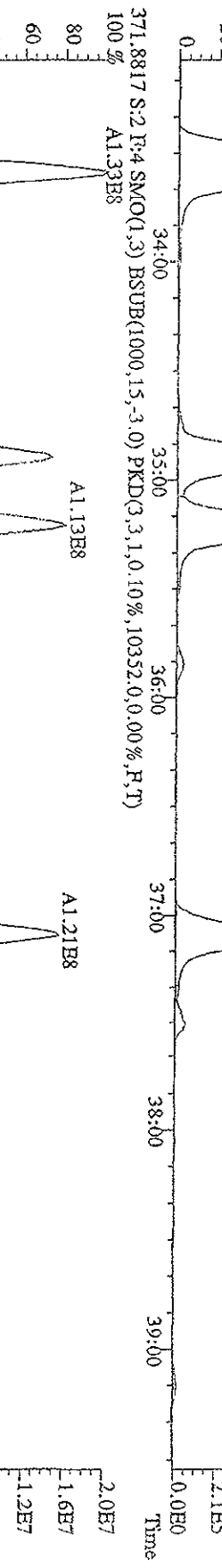
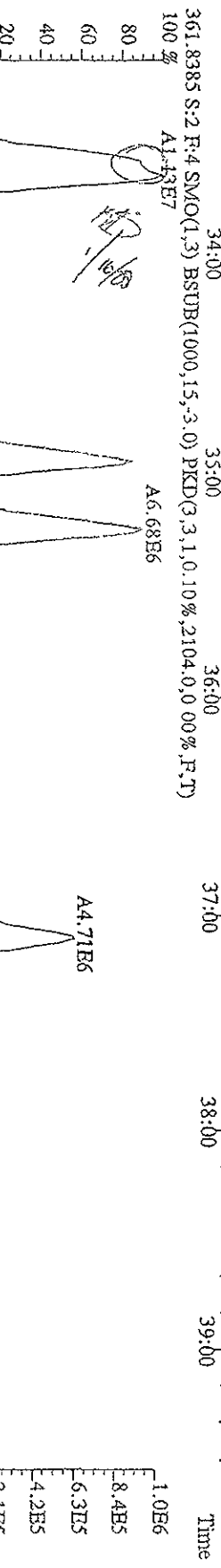
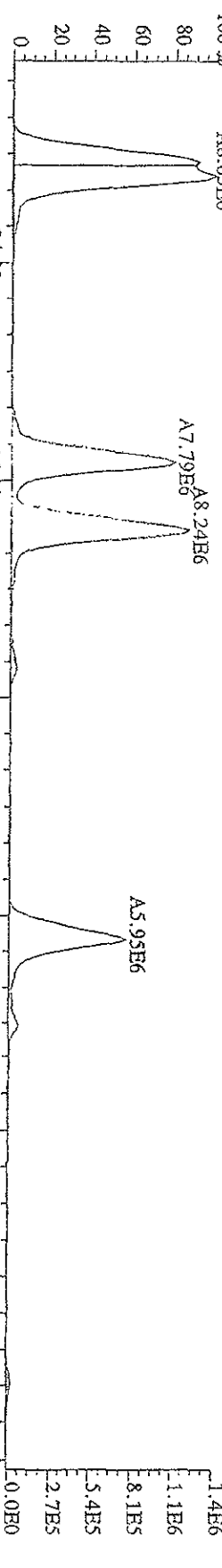


File:151A09D9D5 #1-597 Acq:15-JAN-2009 21:16:36 GC HI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST0115A :C52 09DXN015 Exp:209DB5  
 359.8415 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1556.0,0.00%,F,T)  
 100% A1.07E7

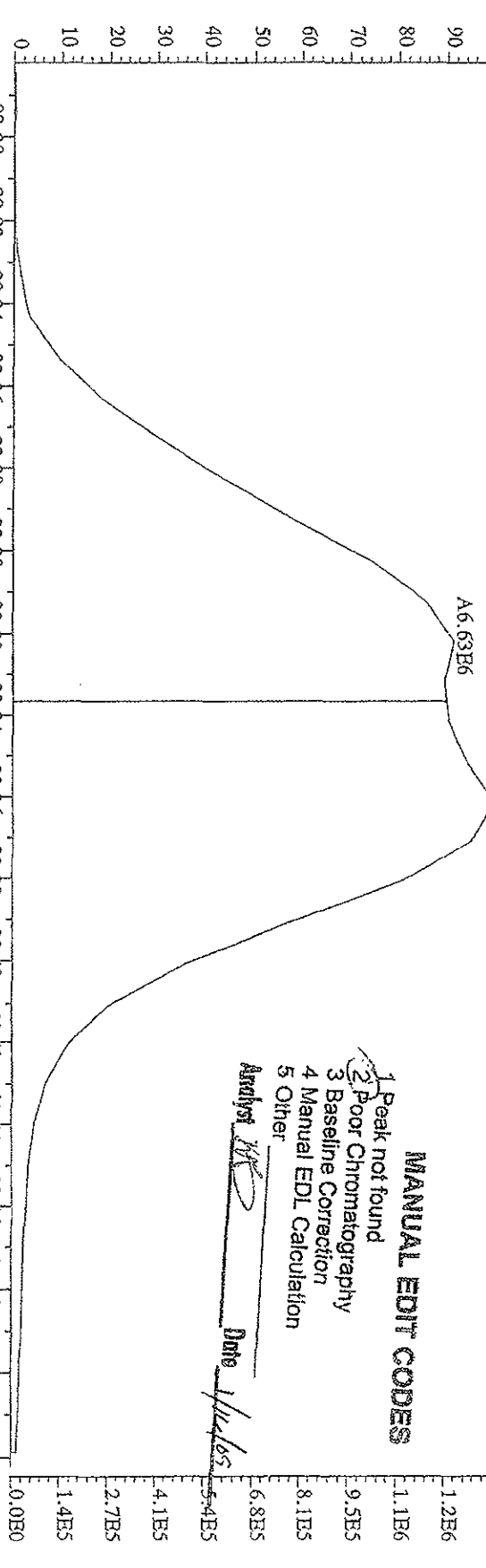


File:151A09D9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-Ultimate

Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5



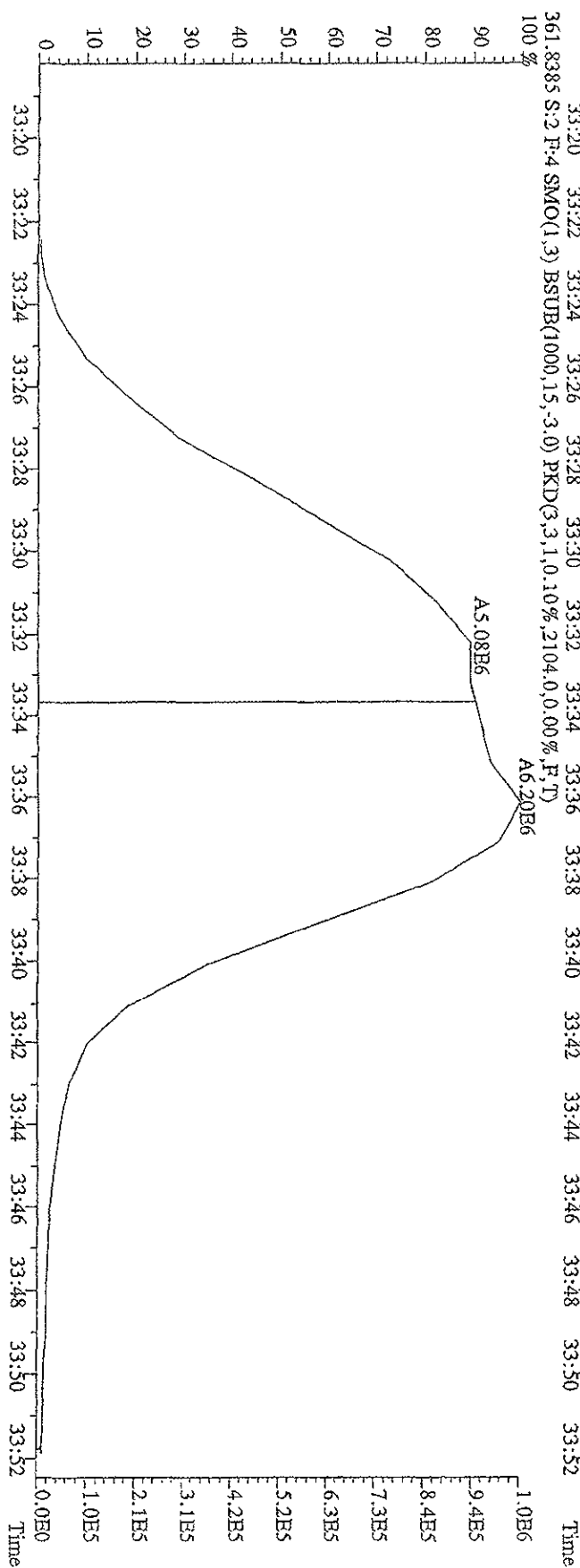
File:15IA09DD9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage STR Autospec-UtimaE  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2520,0,0.00%,F,T)  
 100 %



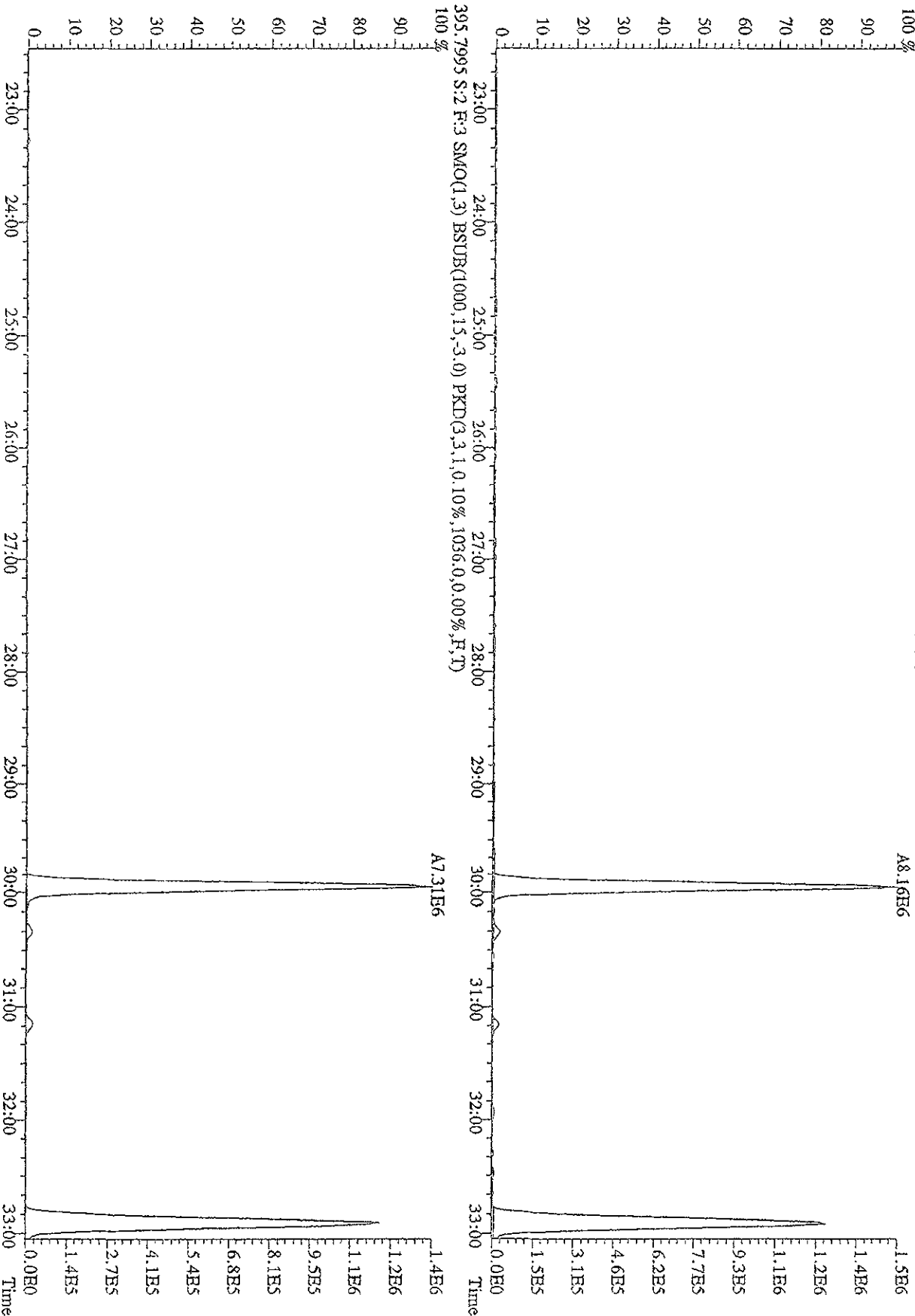
**MANUAL EDIT CODES**

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

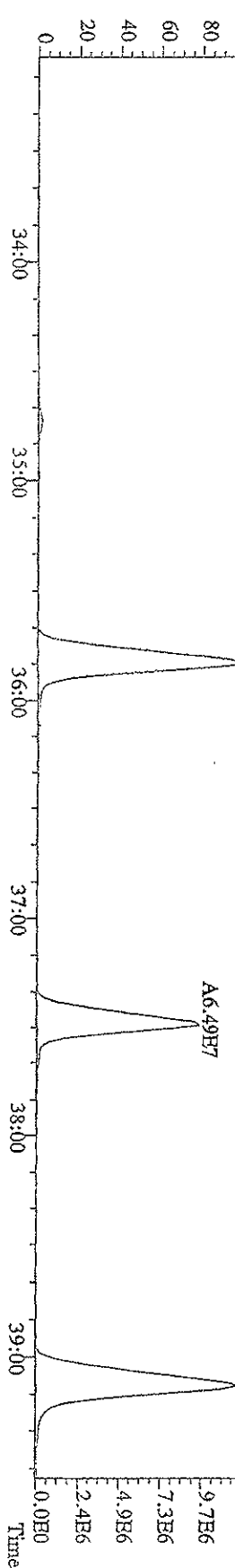
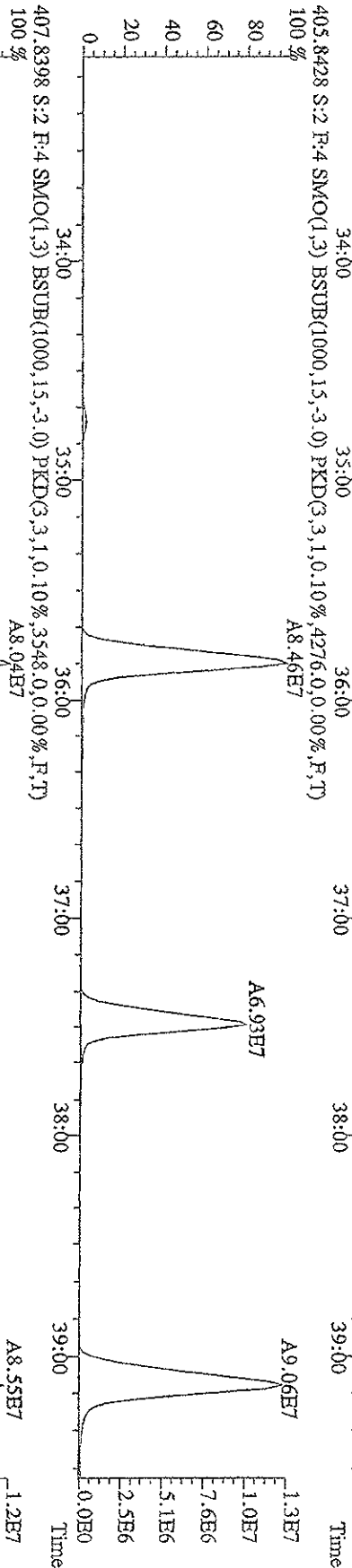
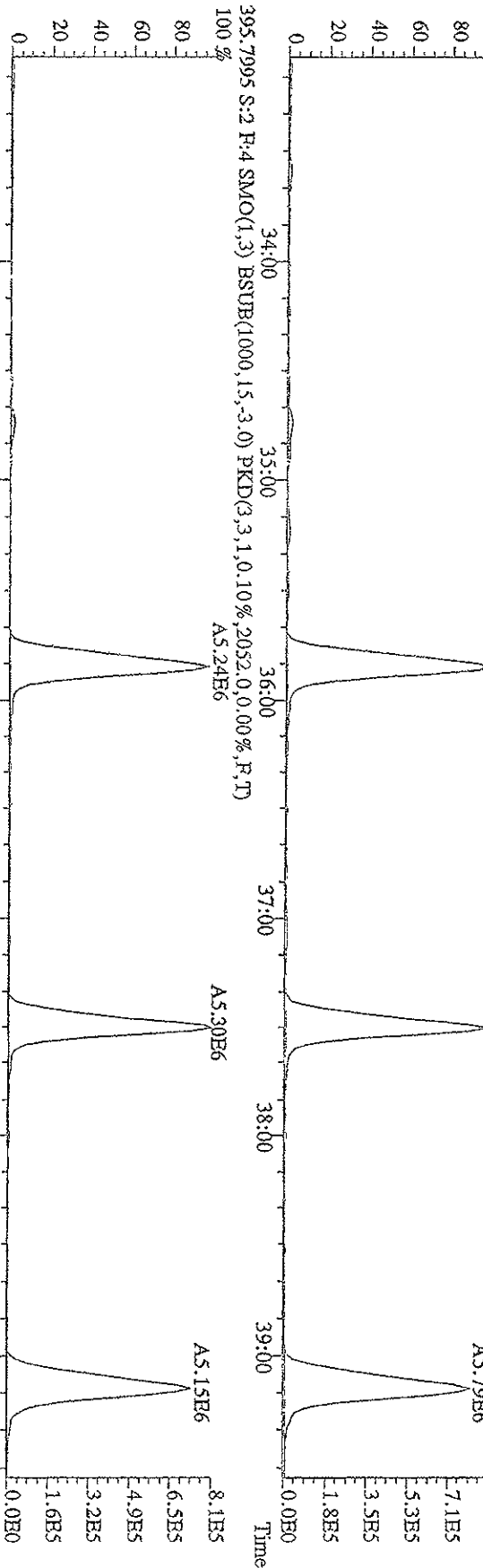
Analyst MC Date 1/14/05



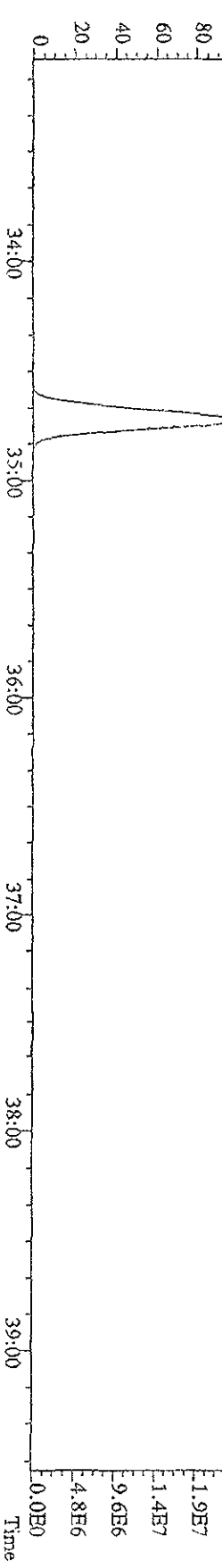
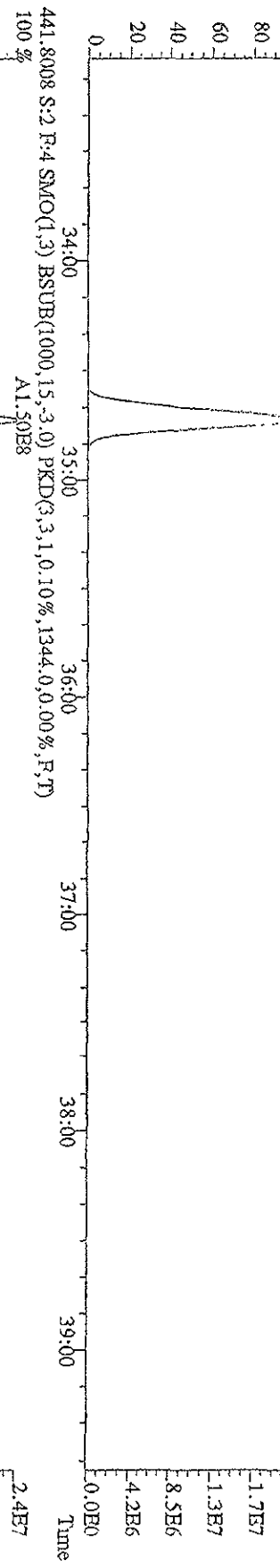
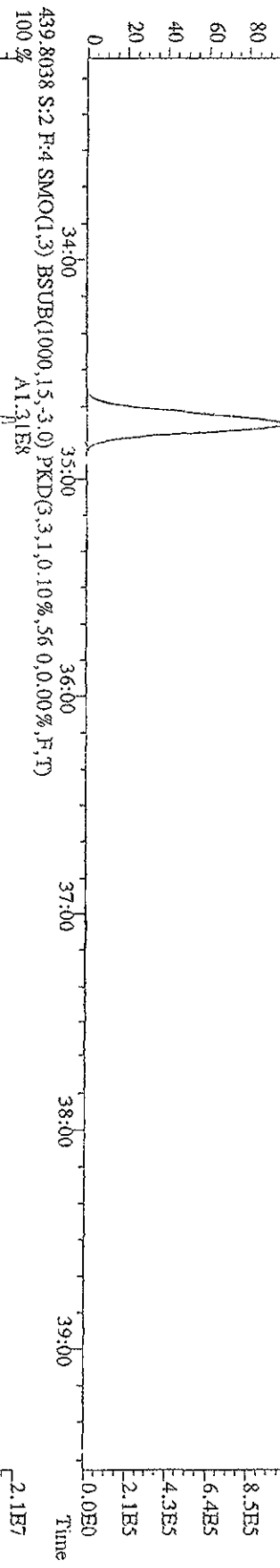
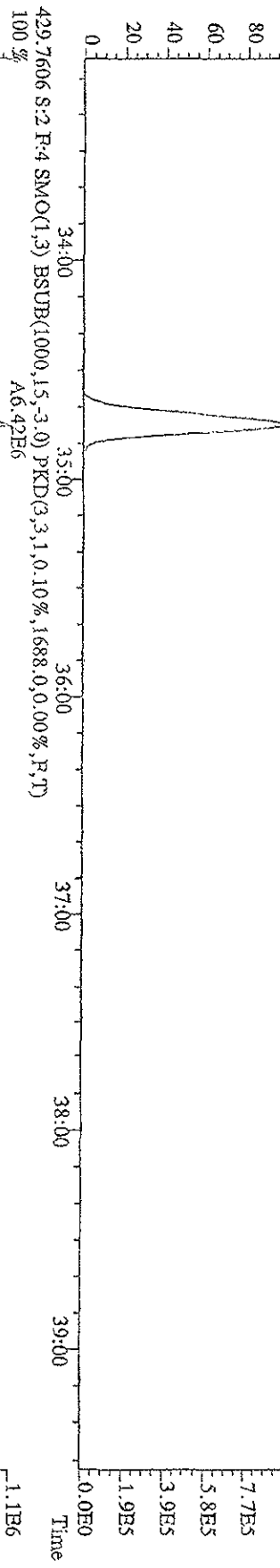
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-UltraB  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 393.8025 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4140,0,0,00%,F,T)  
 100%



File:151A09DD9D5 #1-395 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DDXN015 Exp:209DB5  
 395.7995 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2052,0,0,00%,F,T)  
 100%

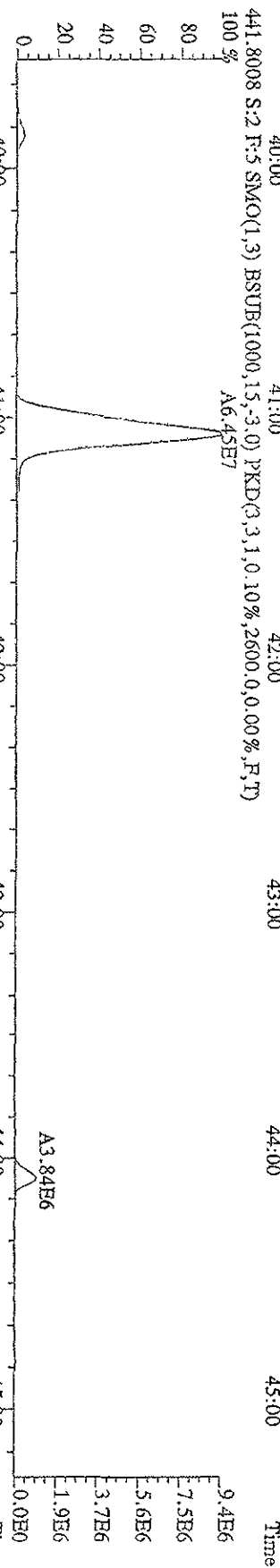
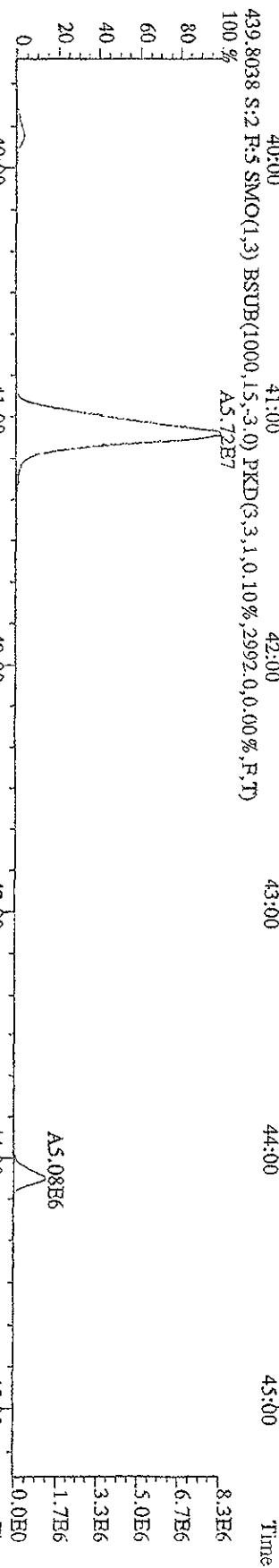
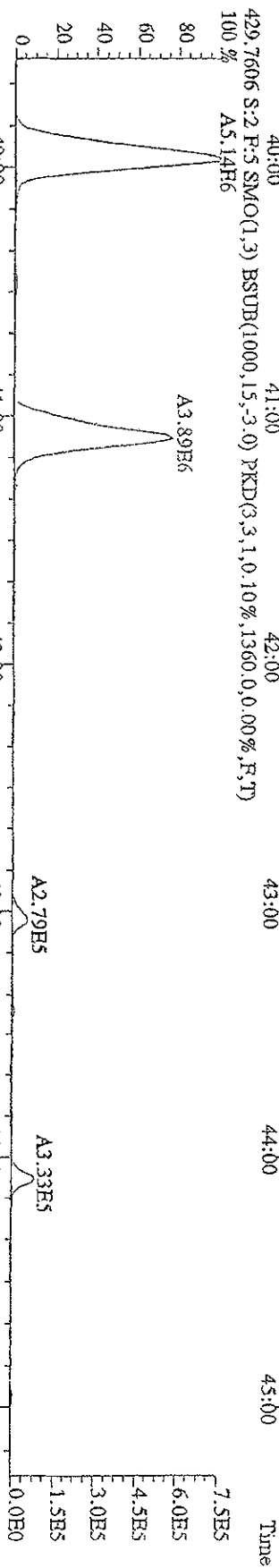
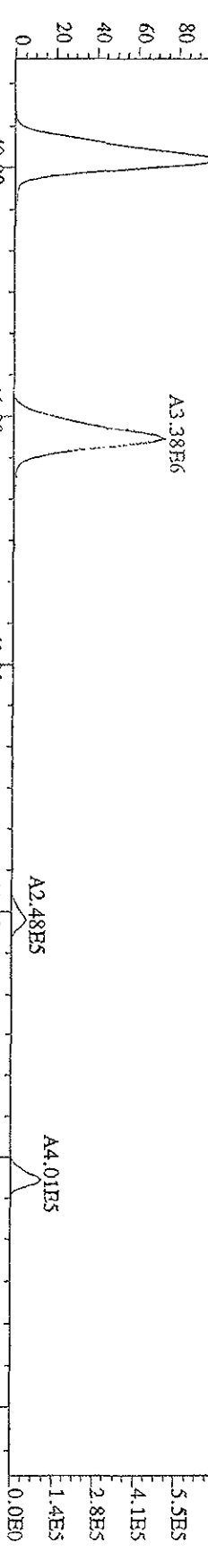


Title: 15JA09D9D5 #1-395 Acq: 15-JAN-2009 21:16:36 GC EL+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0115A :CS2 09DXN015 Exp: 209DB5  
 427.7635 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1688,0,0,00%,F,T)  
 100% A5.83E6





File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC HI+ Voltage SHR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 427.7635 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,592,0,0,00%,F,T)  
 100%



File:15IA09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EI + Voltage SIR Autospec-UltimaB

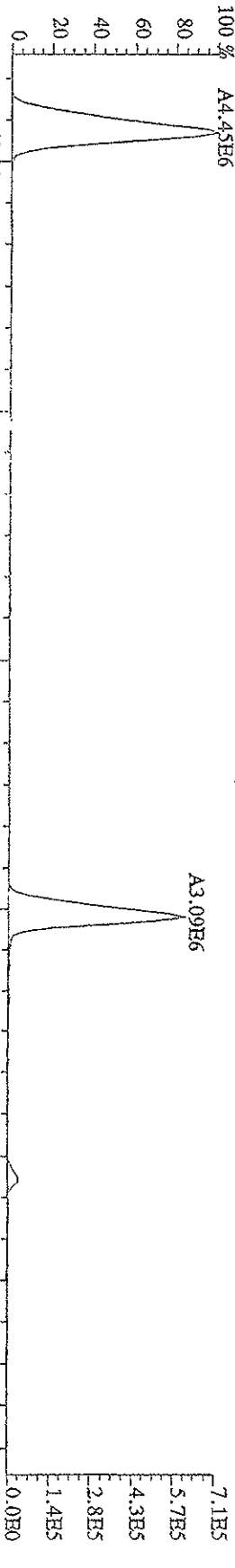
Sample#2 Text:ST0115A

:CS2 09DXN015

Exp:209DB5

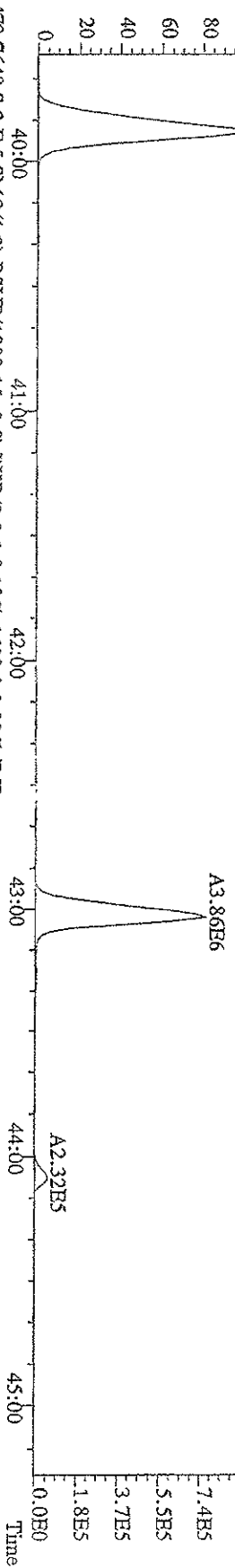
461.7245 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,460,0,0,00%,F,T)

100% A4.45B6



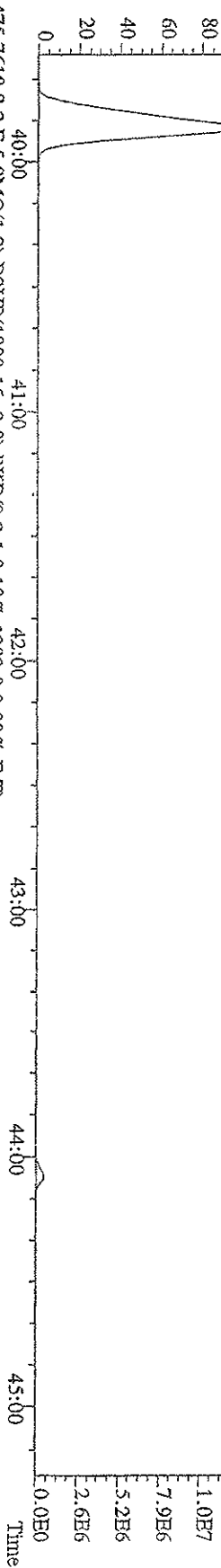
463.7216 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,420,0,0,00%,F,T)

100% A5.63B6



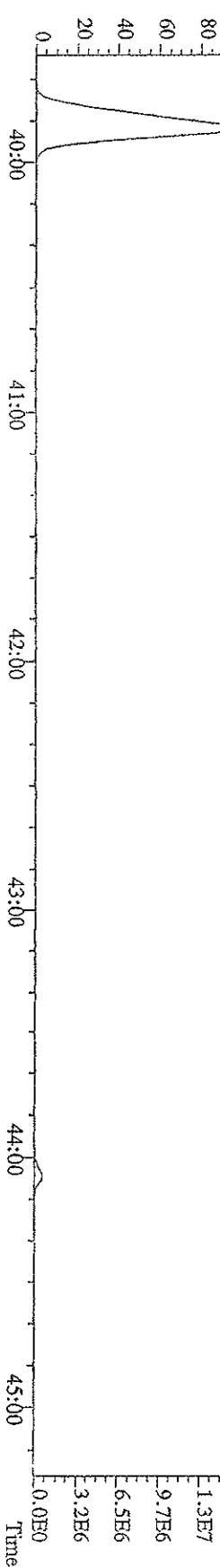
473.7648 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1600,0,0,00%,F,T)

100% A8.25B7

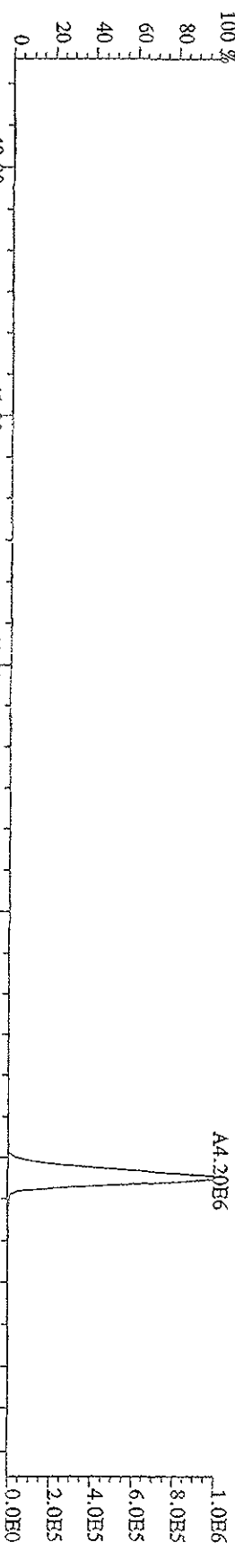


475.7619 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1392,0,0,00%,F,T)

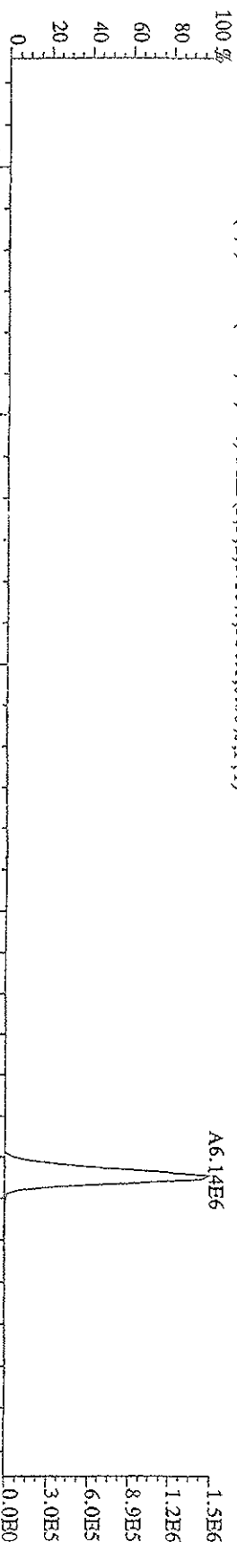
100% A1.03B8



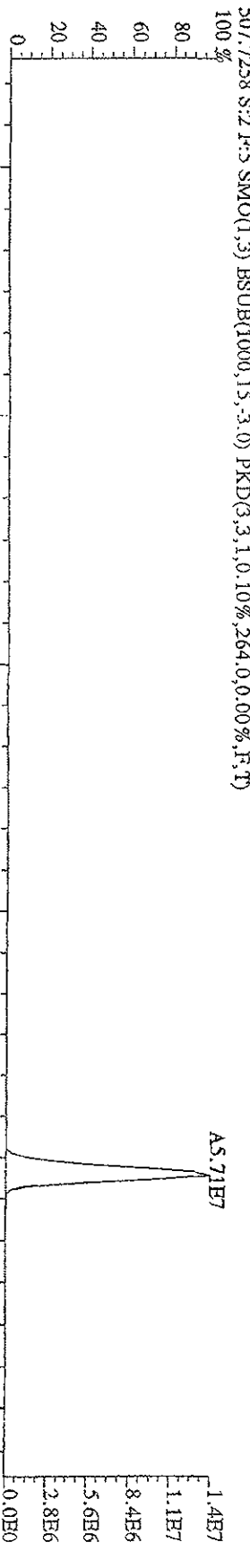
File:151A09D9D5 #1-379 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5  
 495.6836 S:2 F:5 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,3,1,0,10%,876,0,0,00%,F,T)



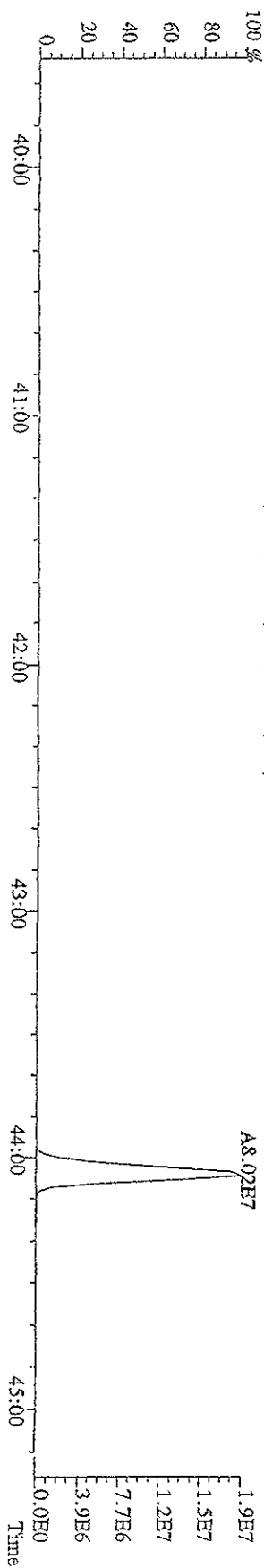
497.6826 S:2 F:5 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,3,1,0,10%,556,0,0,00%,F,T)



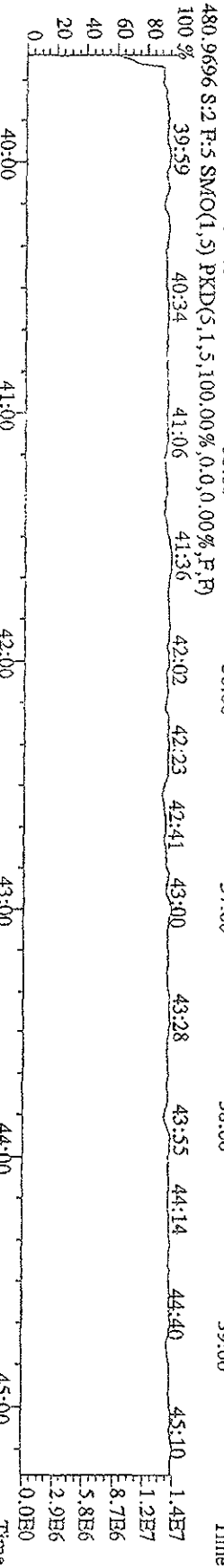
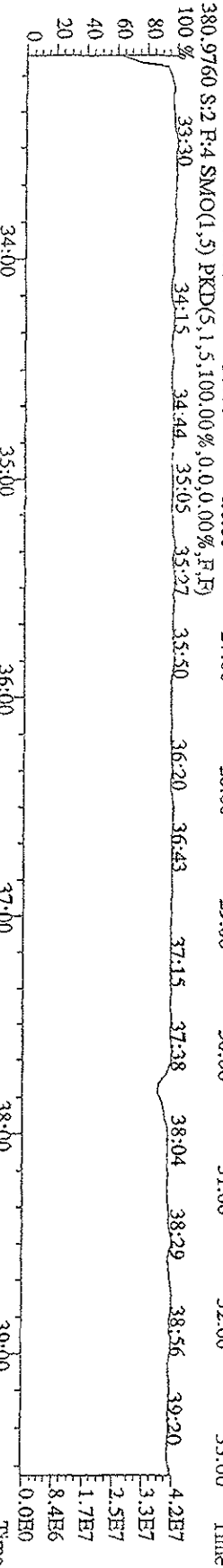
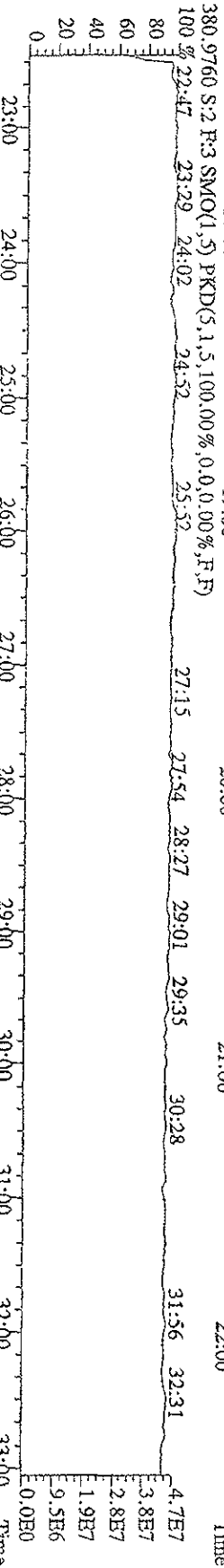
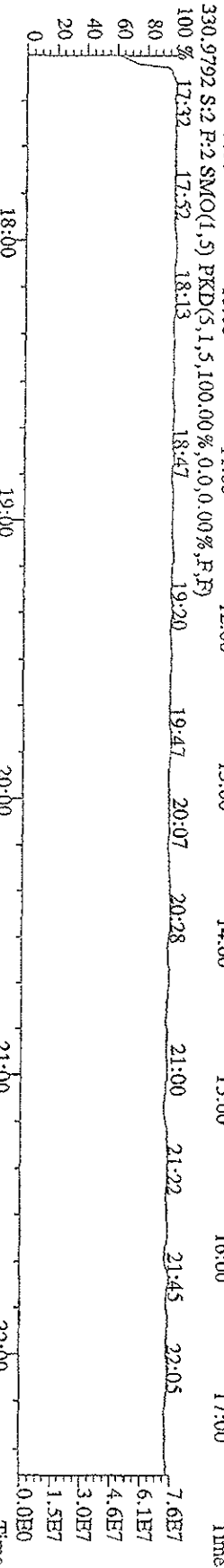
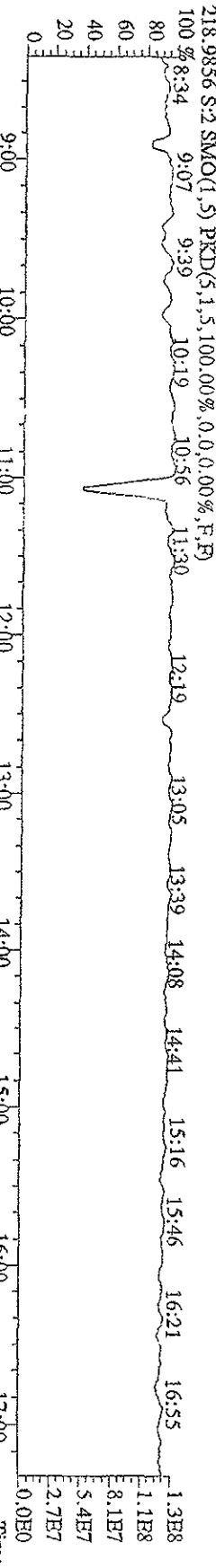
507.7258 S:2 F:5 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,3,1,0,10%,264,0,0,00%,F,T)



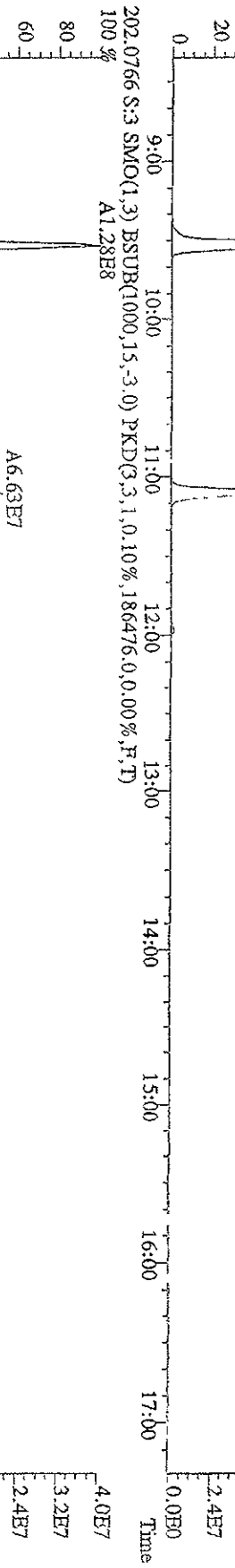
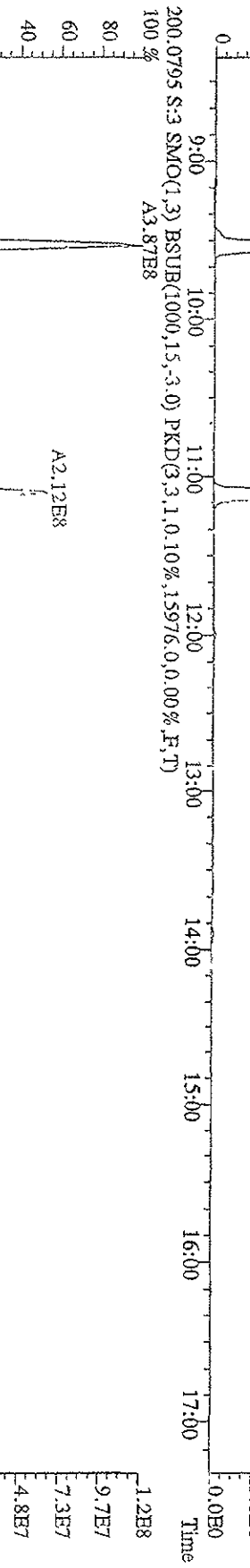
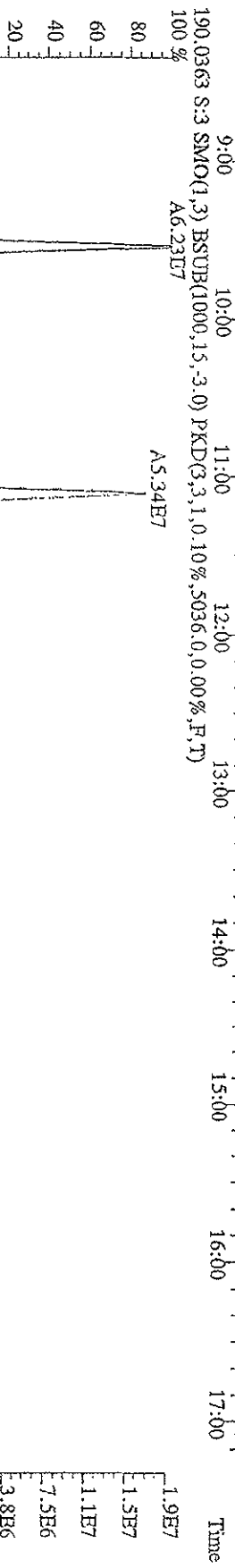
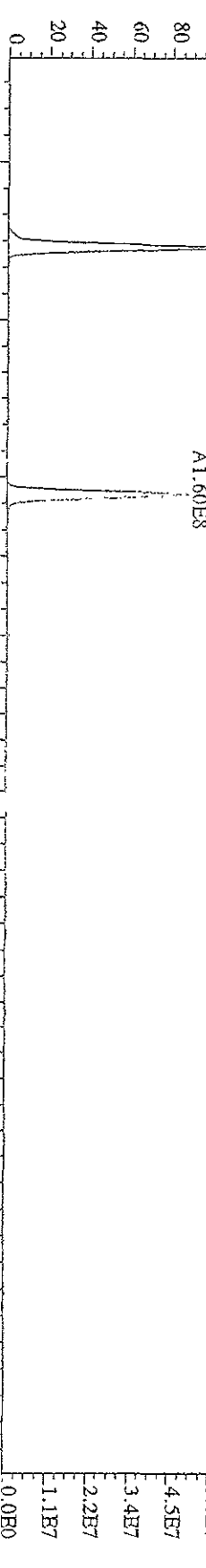
509.7229 S:2 F:5 SMO(1,3) BSTUB(1000,15,-3,0) PKD(3,3,1,0,10%,36,0,0,00%,F,T)



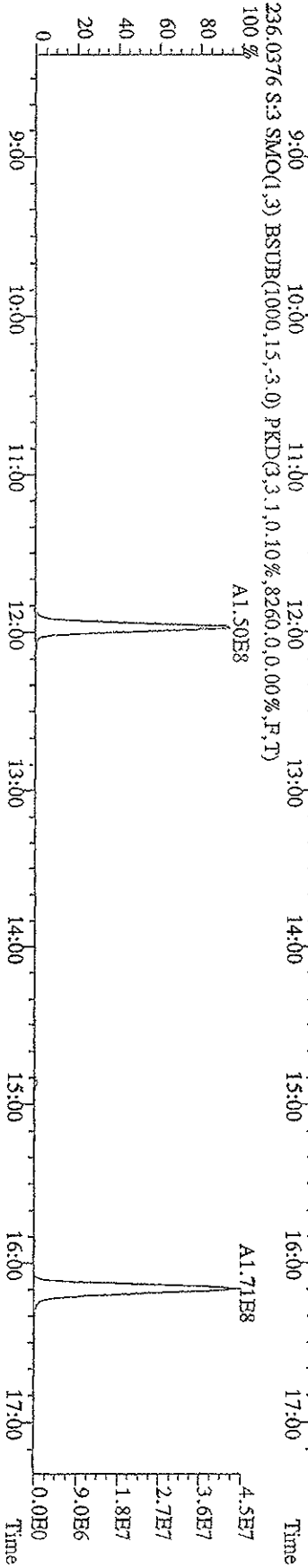
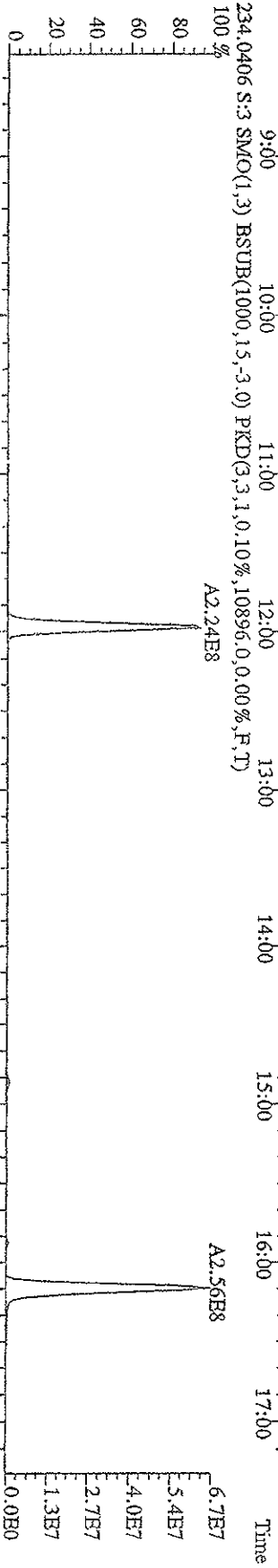
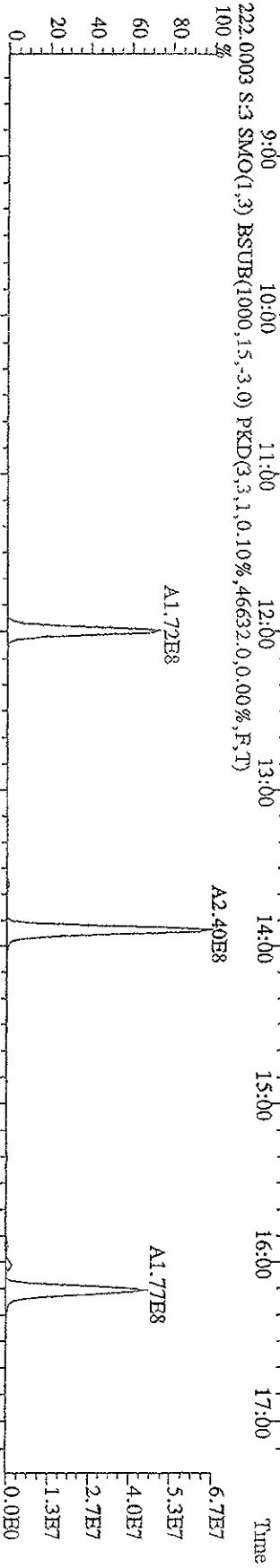
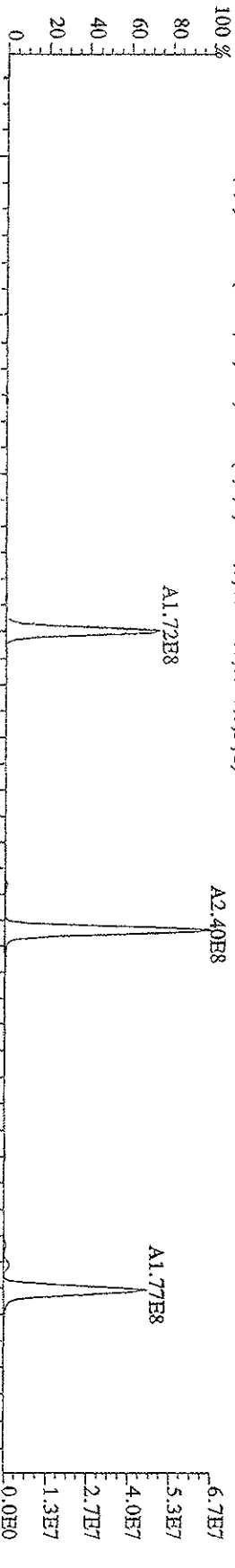
File:15JA09D9D5 #1-609 Acq:15-JAN-2009 21:16:36 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0115A :CS2 09DXN015 Exp:209DB5



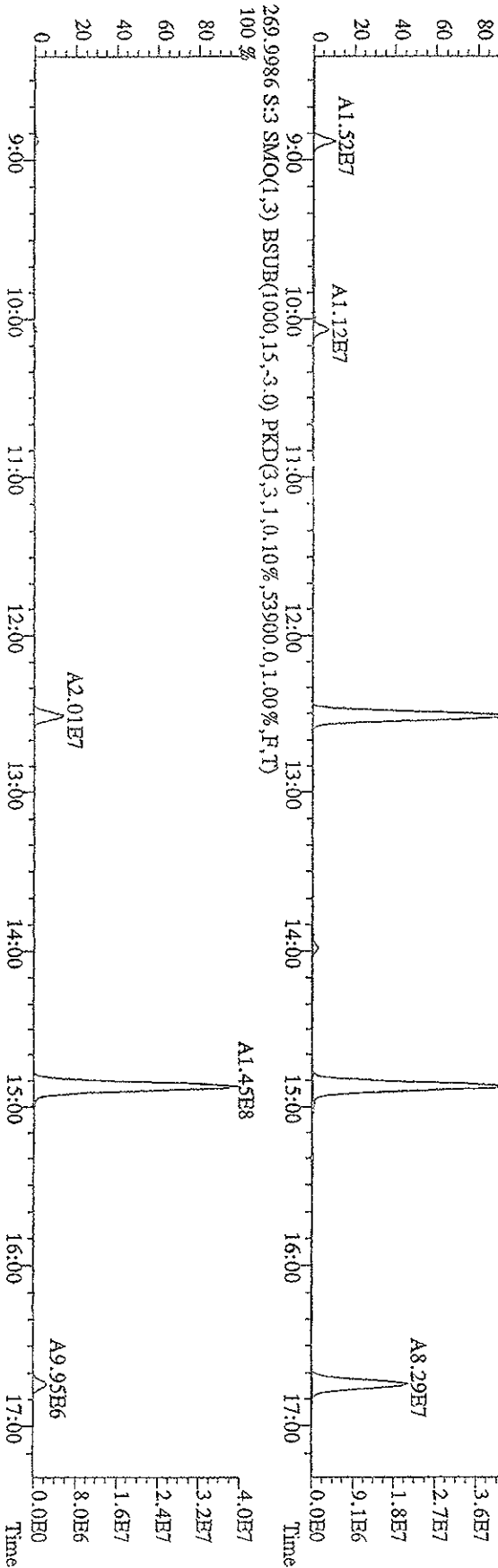
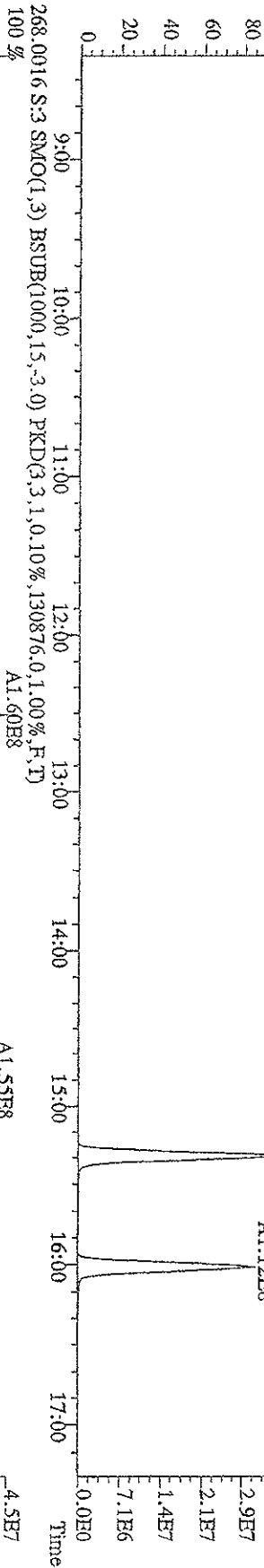
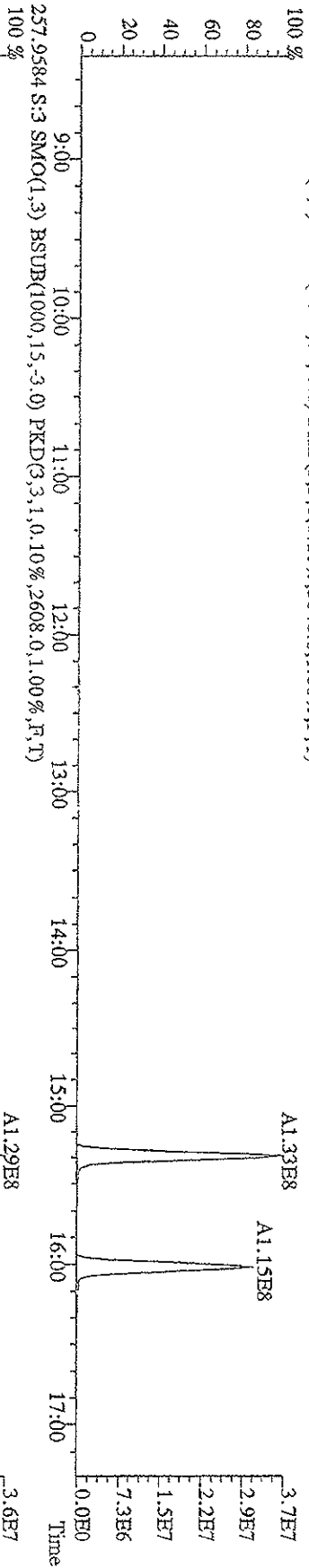
File: 151A09D9D5 #1-609 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage SRR Autospec-Ultimate  
Sample#3 Text: ST0115B :CS3 09DDXN016 Exp: 209DB5  
188.0393 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,186476,0,0,00%,F,T)  
100% A1.86E8



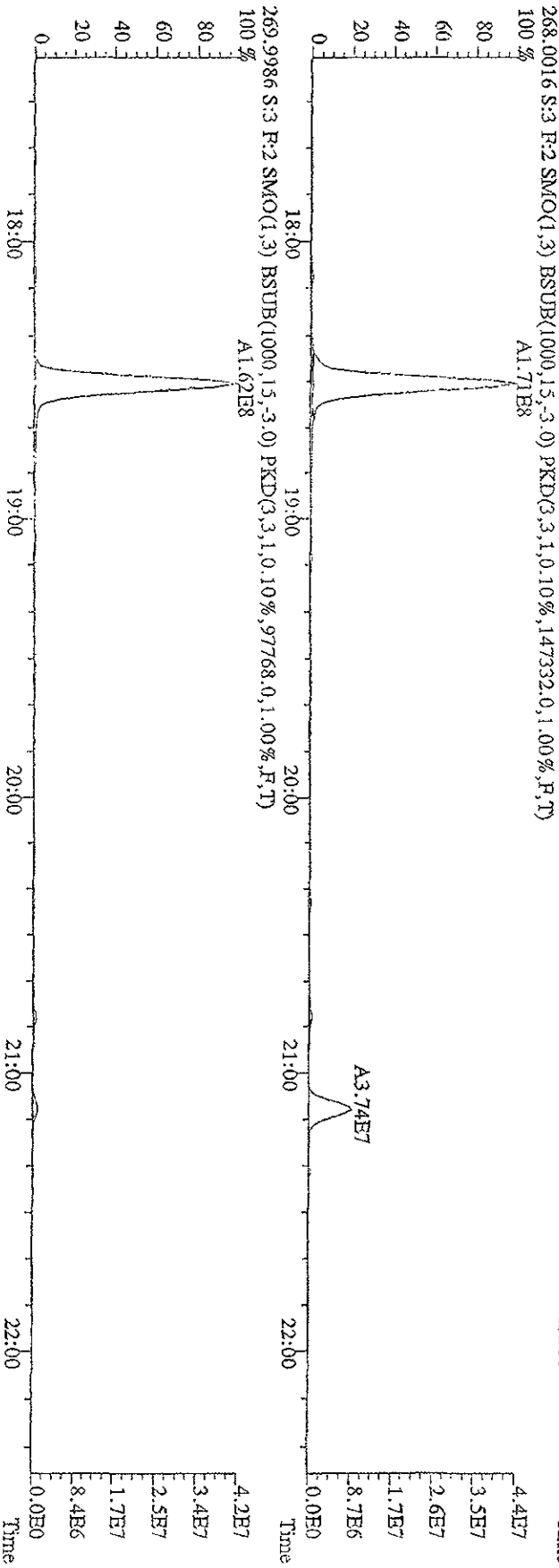
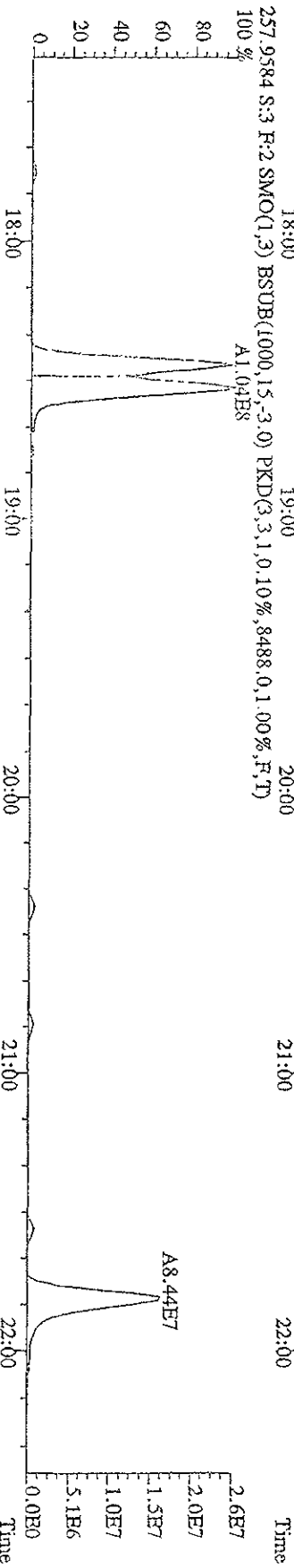
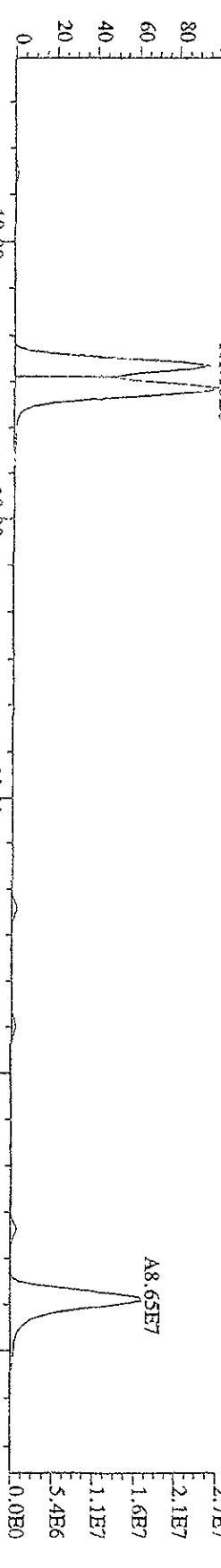
File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 222.0003 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,46632,0,0,00%,F,T)



File:151A09DD9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0115B .CS3 09DXN016 Exp:209DB5  
 257.9584 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2608.0,1.00%,F,T)  
 255.9613 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5848.0,1.00%,F,T)

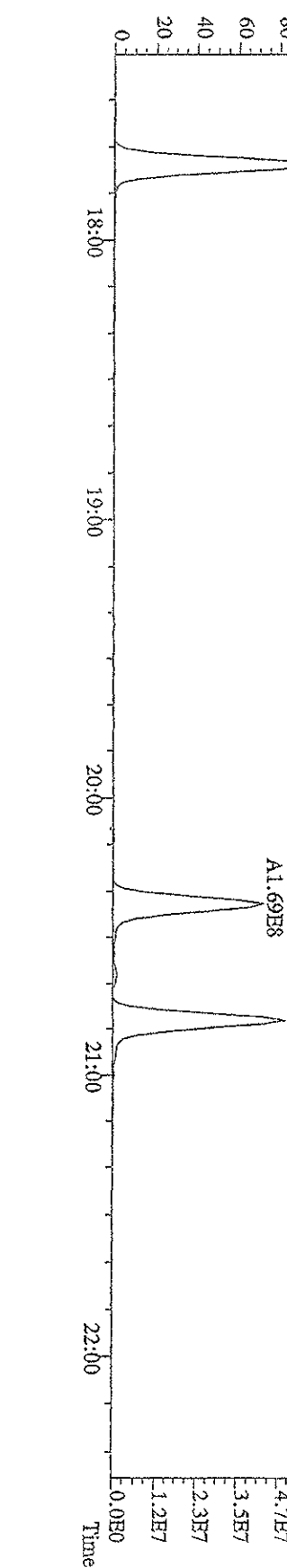
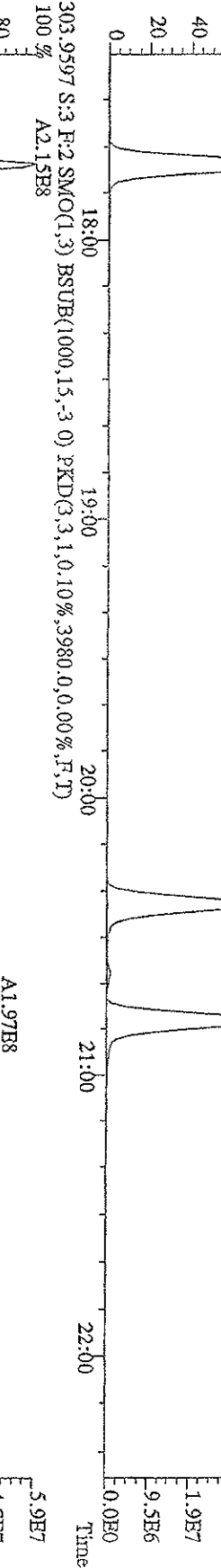
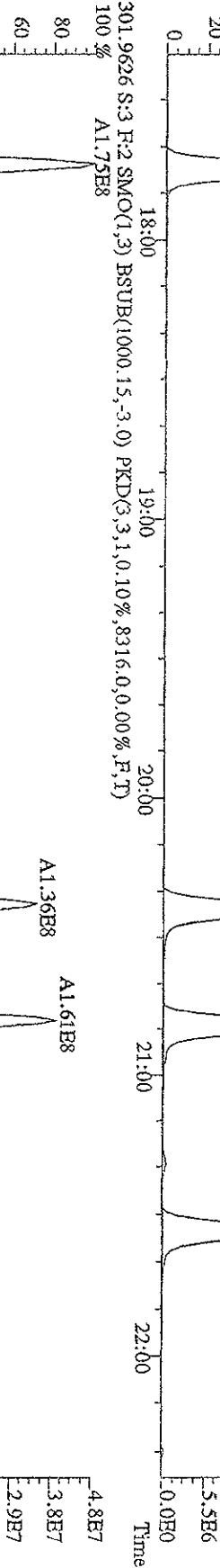
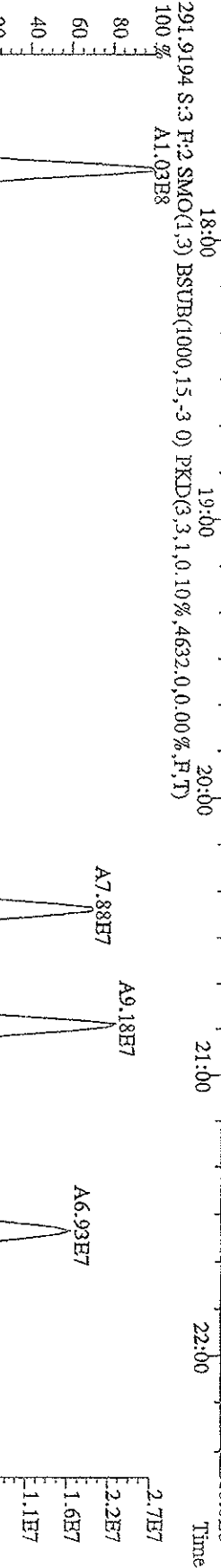
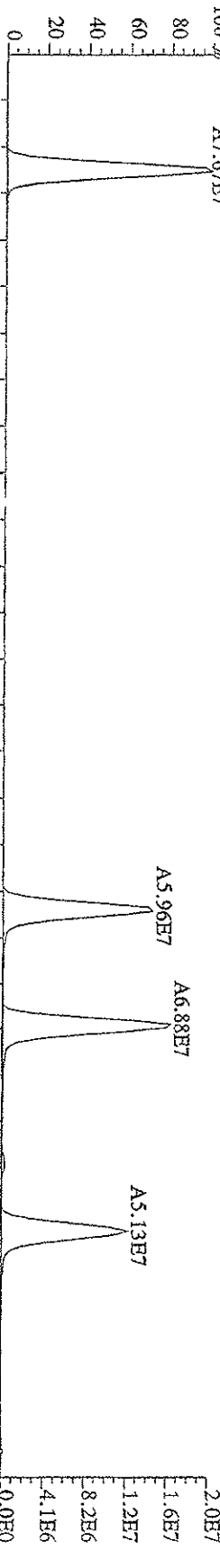


File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage: SDR Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 257.9584 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8488,0,1.00%,F,T)  
 259.9986 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,97768,0,1.00%,F,T)

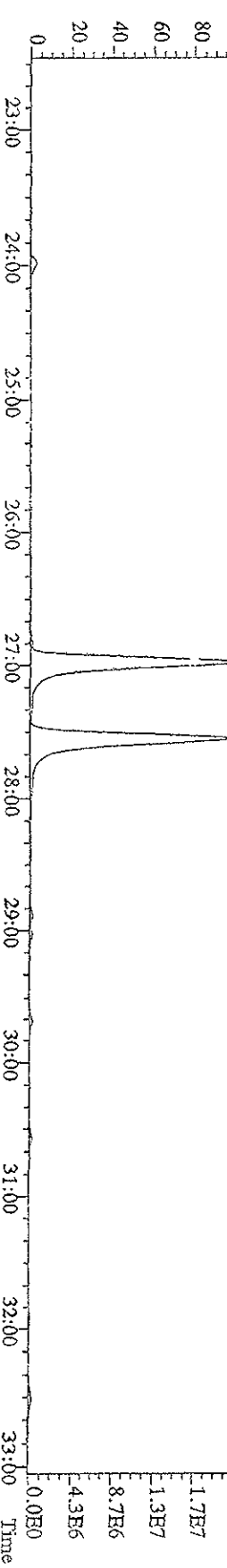
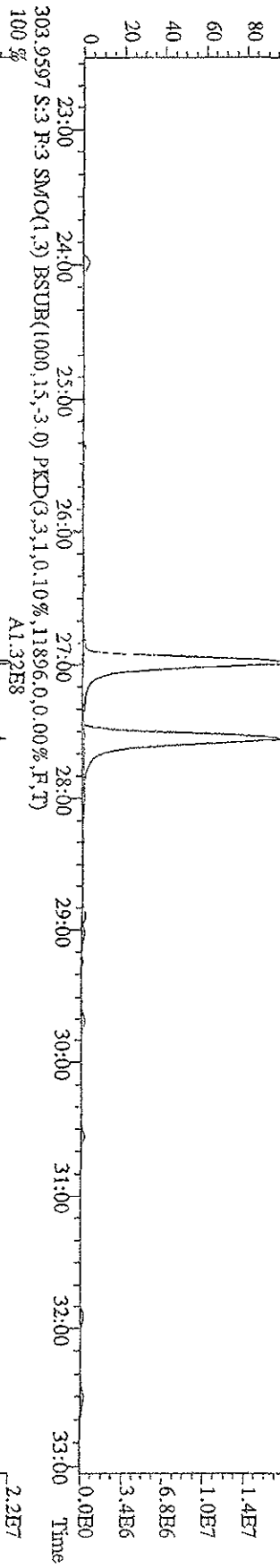
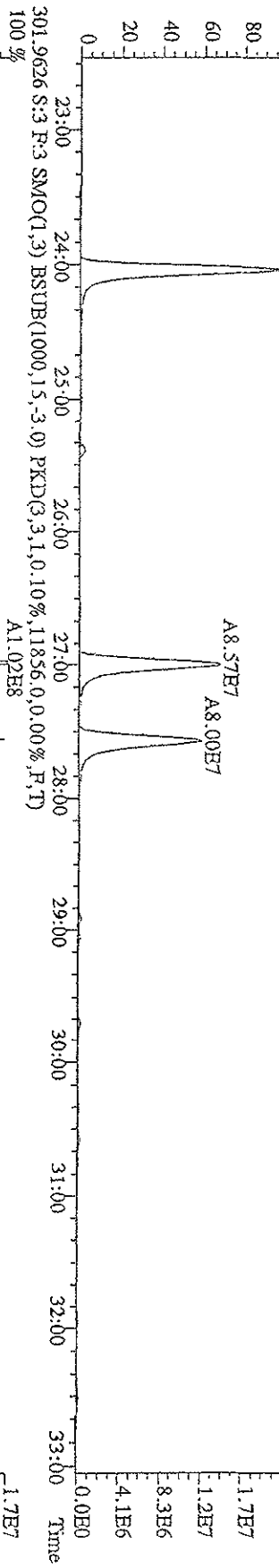
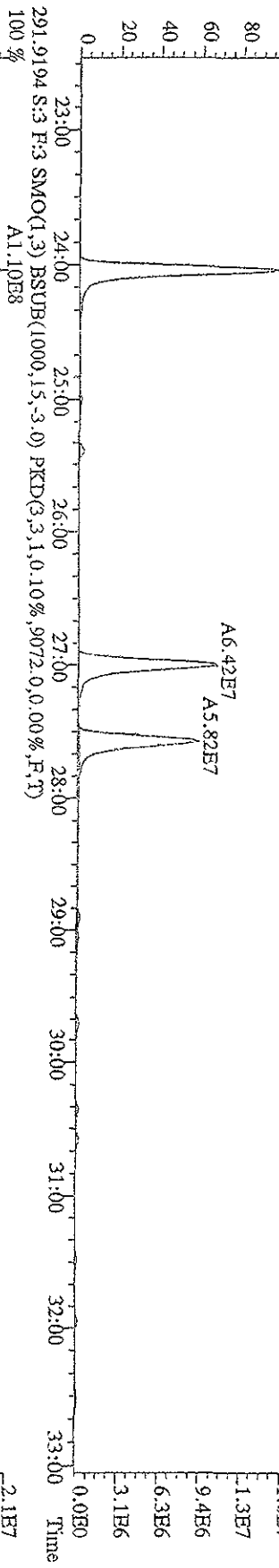




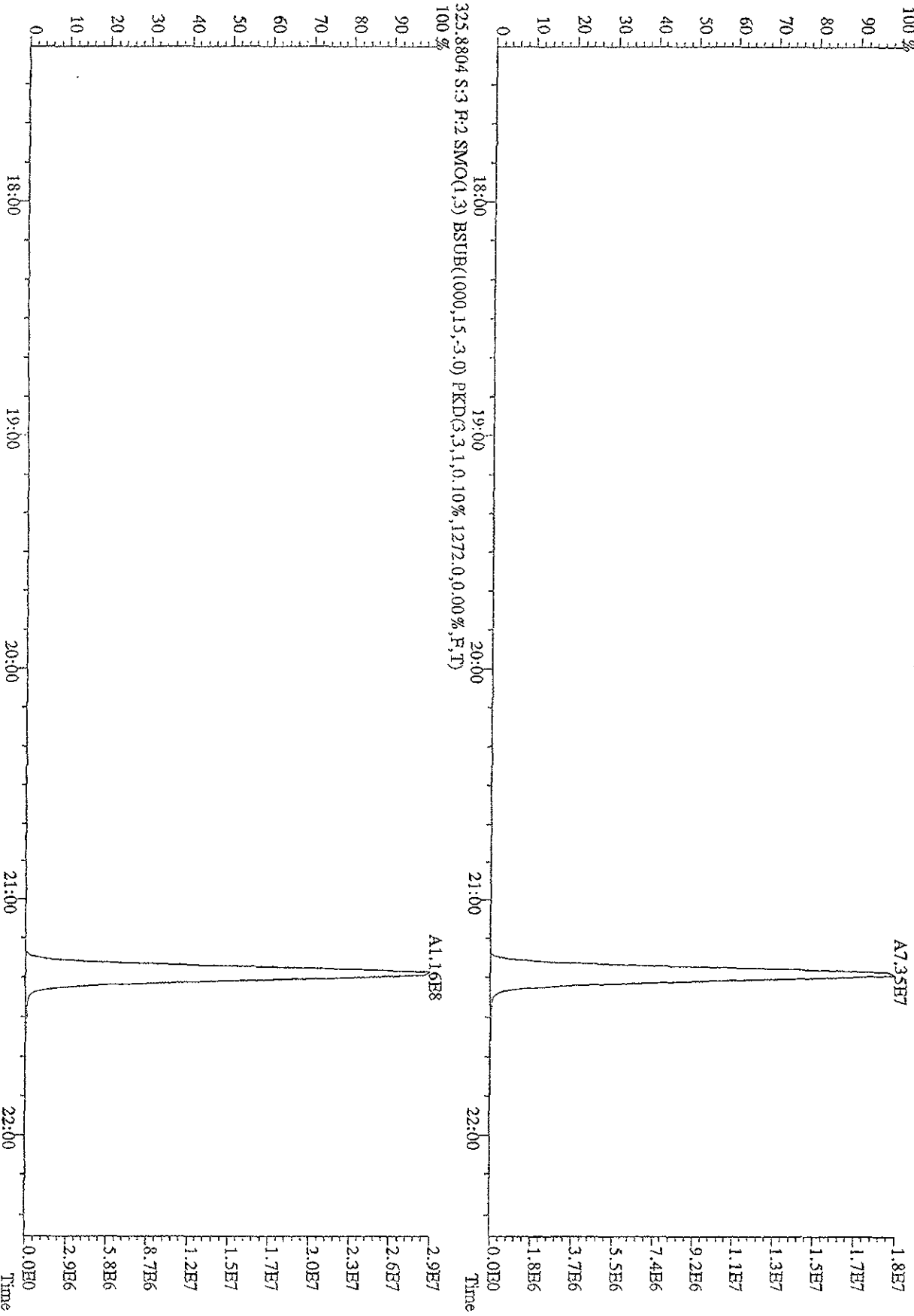
File:151A09DD9D5 #1-371 Acq:15-JAN-2009 22:07.59 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 289.9224 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1500,0,0,00%,F,T)  
 100 % A7.67E7



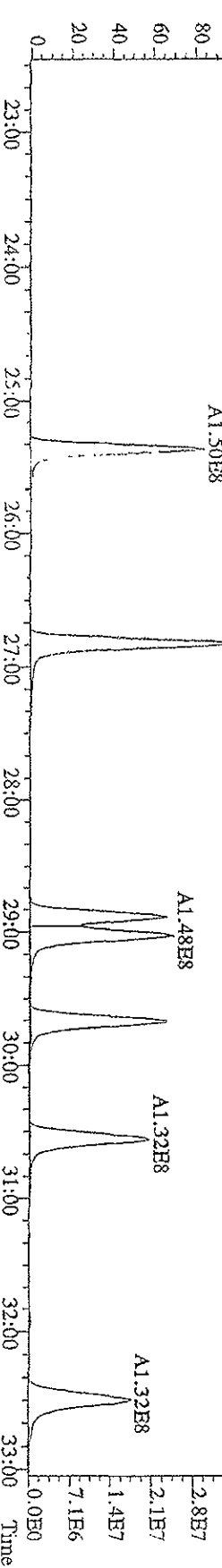
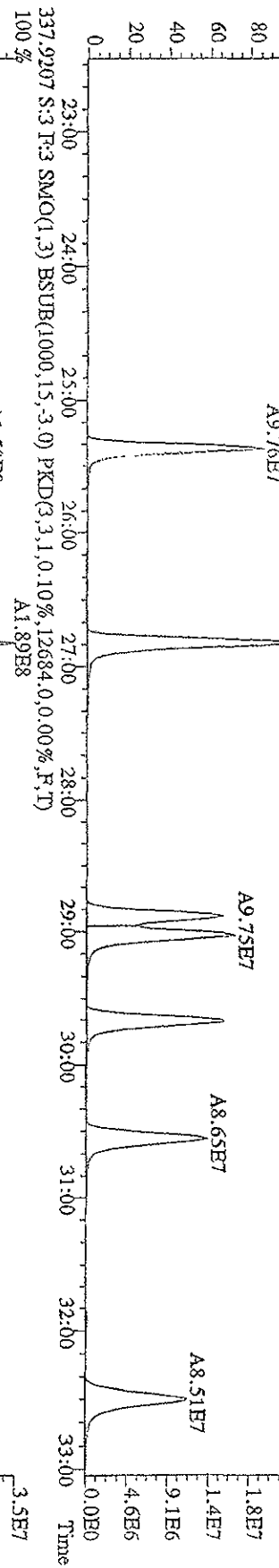
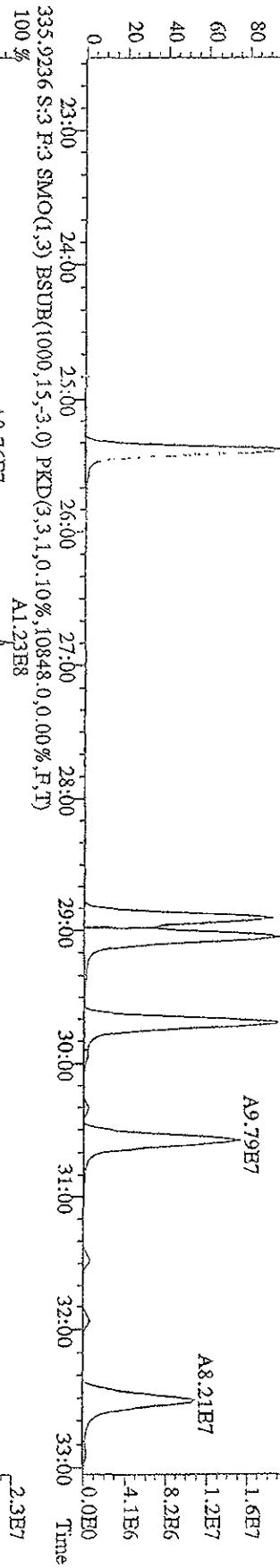
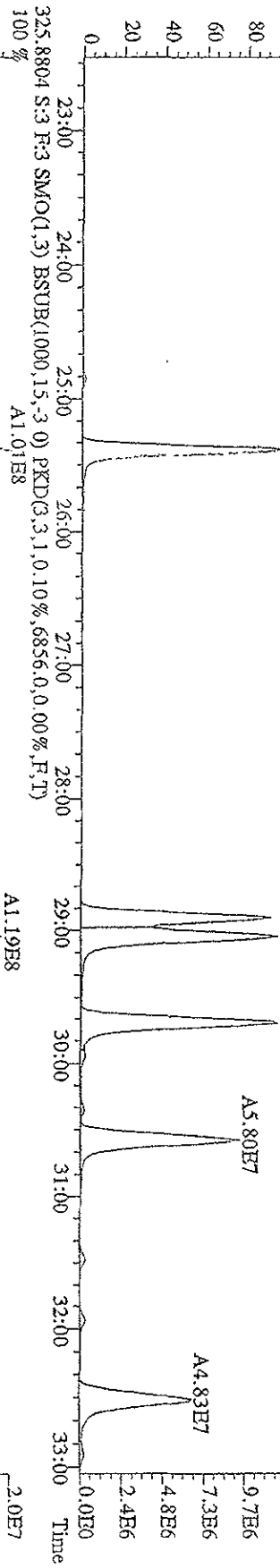
File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#3 Text: ST0115B :CS3 09DXN016 Exp: 209DB5  
 289,9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7528,0,0.00%,F,T)  
 100% A8.28E7



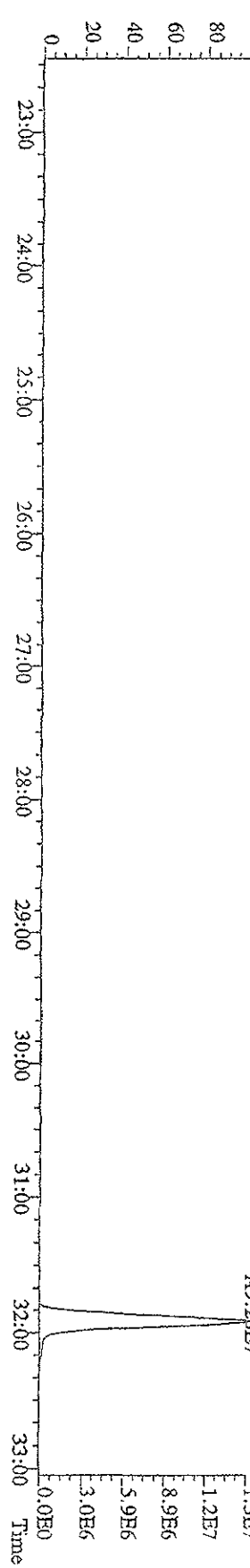
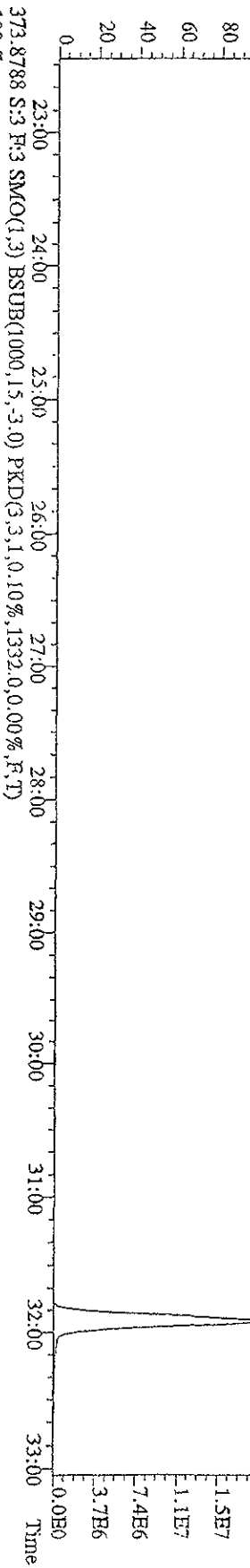
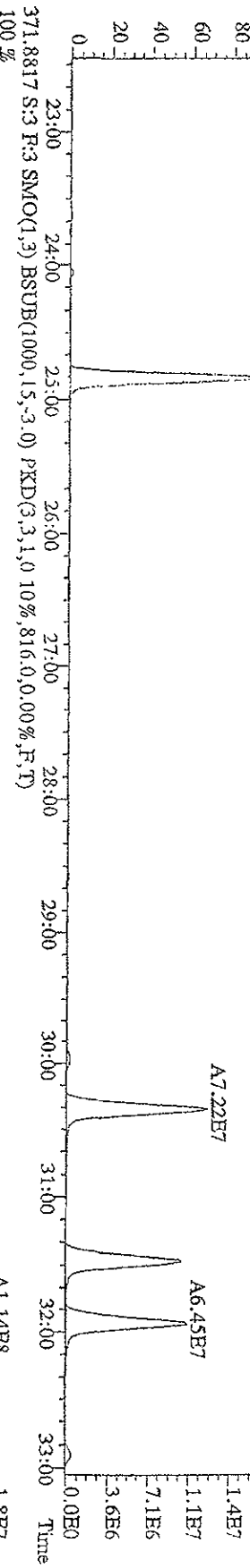
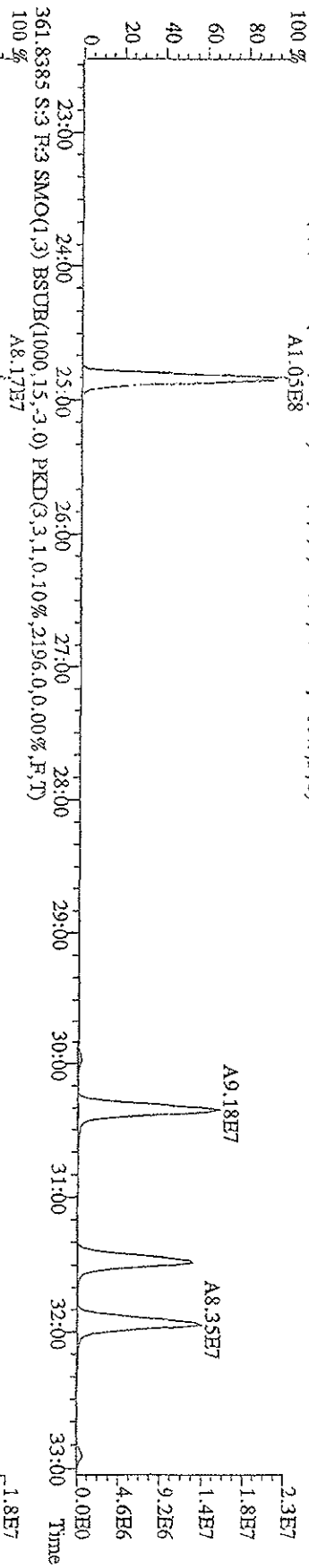
File:15FA09D9D5 #1-371 Acq:15-JAN-2009 22:07.59 GC EI+ Voltage:50V SIR Autospec-UHimaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB3  
 325.8804 S:3 P:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1856.0,0.00%,F,T)



File:151A09D9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC:EI+ Voltage:50V S/R Autospec-UltimaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6856,0,0,00%,F,T)  
 100 % A5.93E7

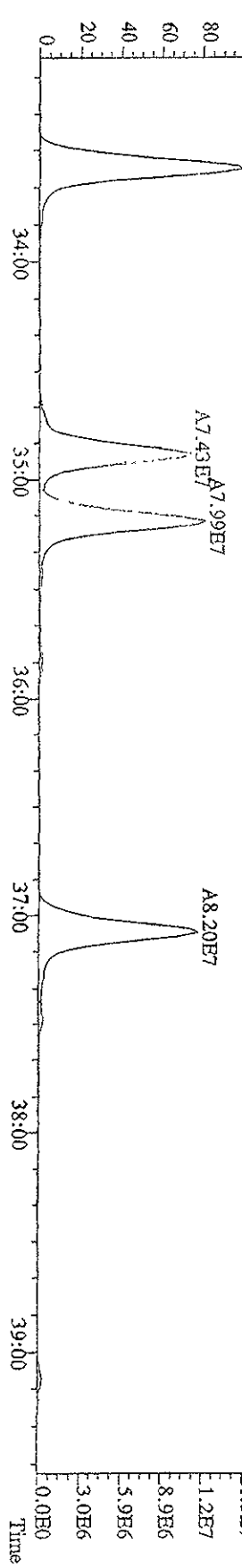
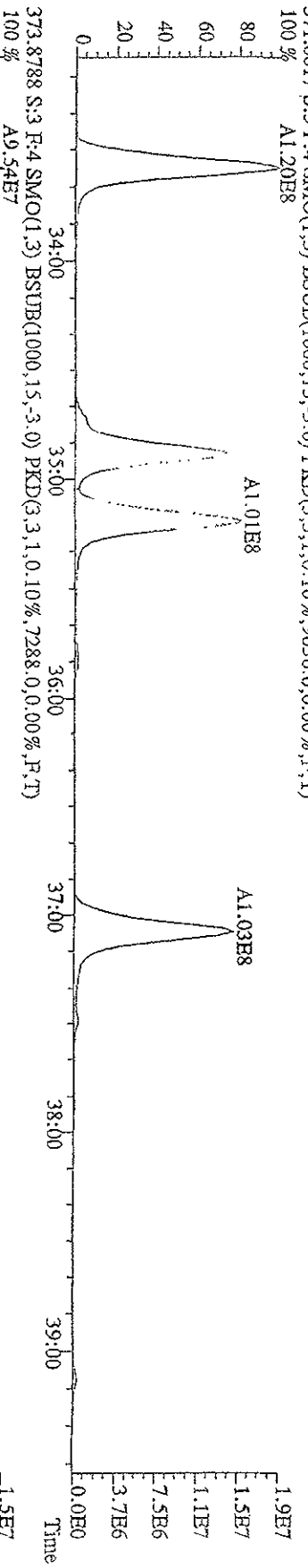
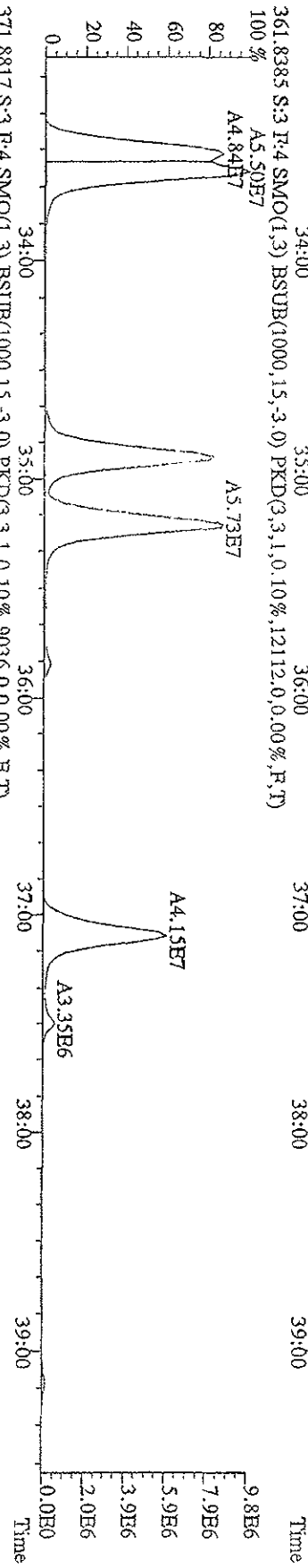
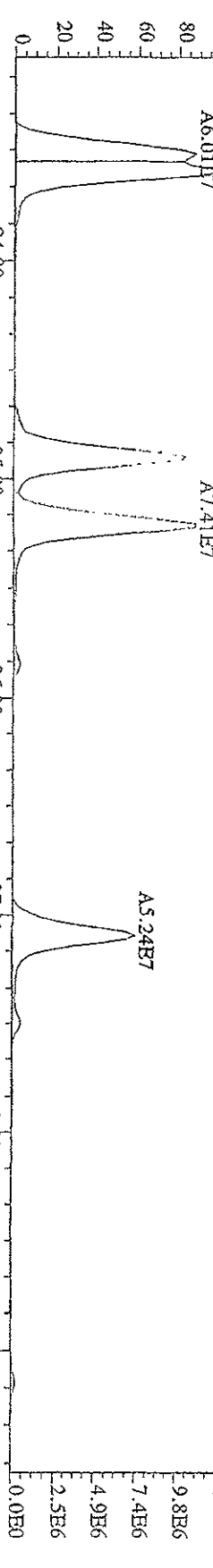


File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 22:07:59 GC: EI+ Voltage: SIR Autospec: Ultimate  
 Sample #3 Text: ST0115B : CS3 09DXN016 Exp: 209DB5  
 359.8415 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1732,0,0,00%,F,T)  
 100% A1.05E8

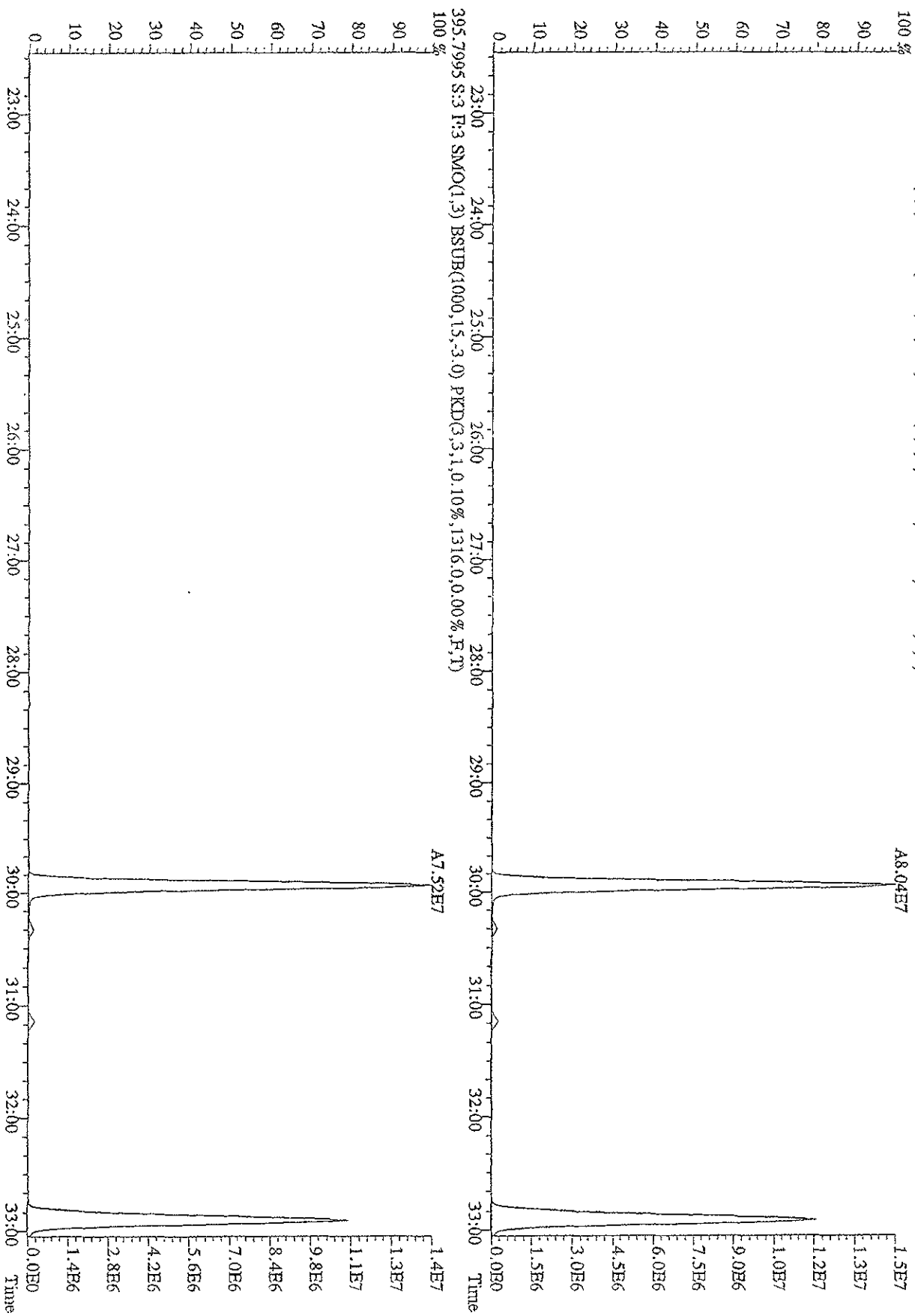


File: 131A09DD5 #1-395 Acq: 15-JAN-2009 22:07:59 GC EI+ Voltage S1R Autospec-UltimaB

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

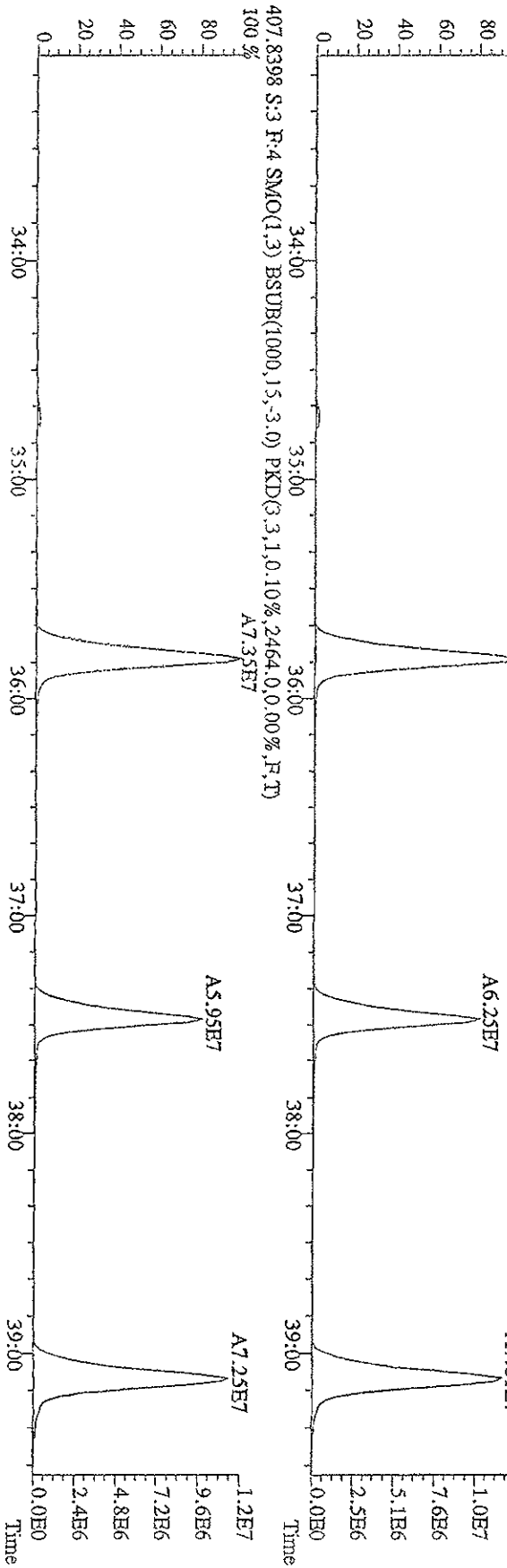
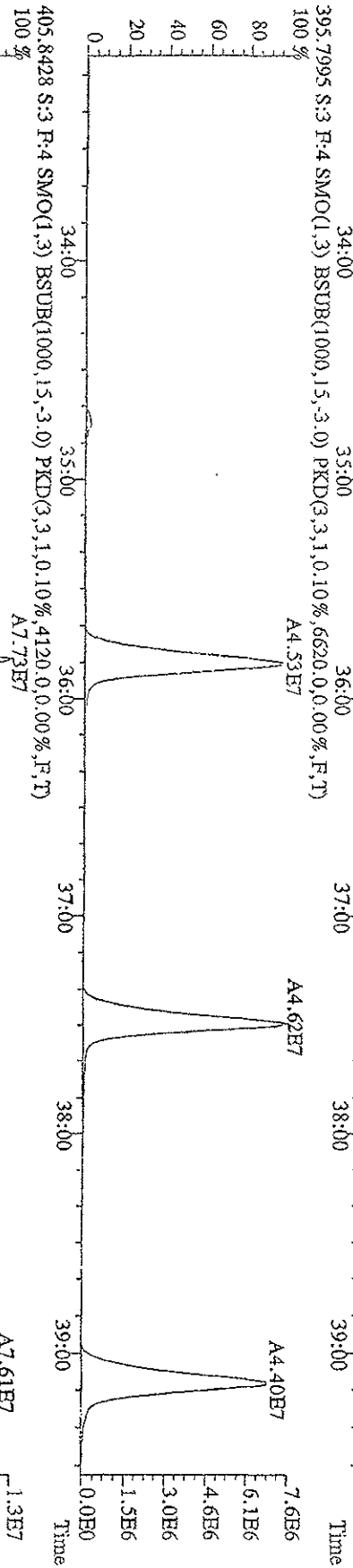
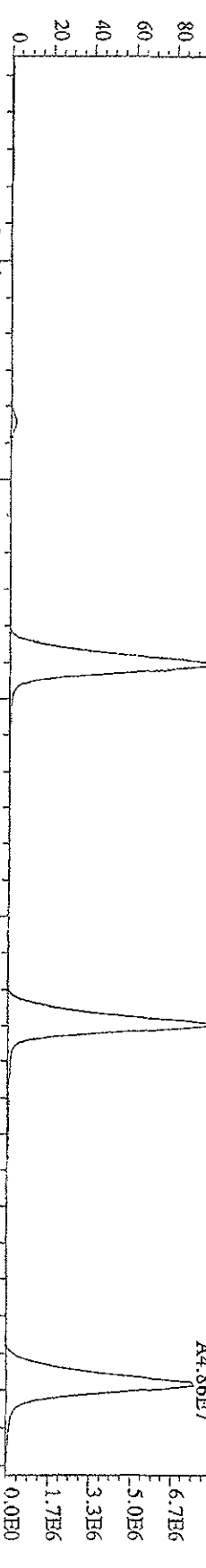


File:151A09DD9D5 #1-597 Acq:15-JAN-2009 22:07:59 GC:EI+ Voltage:51R Autospec-Ultimate  
 Sample:#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 393.8025 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4328,0,0,00%,F,T)  
 100%



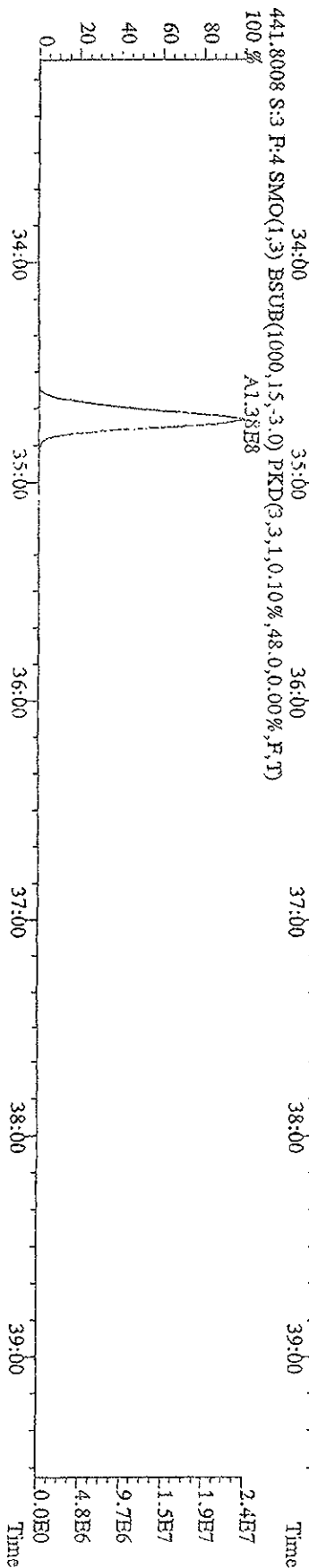
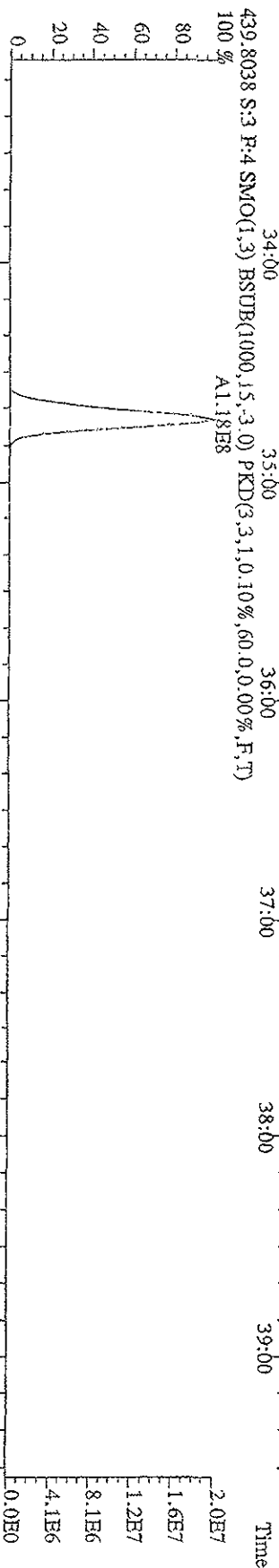
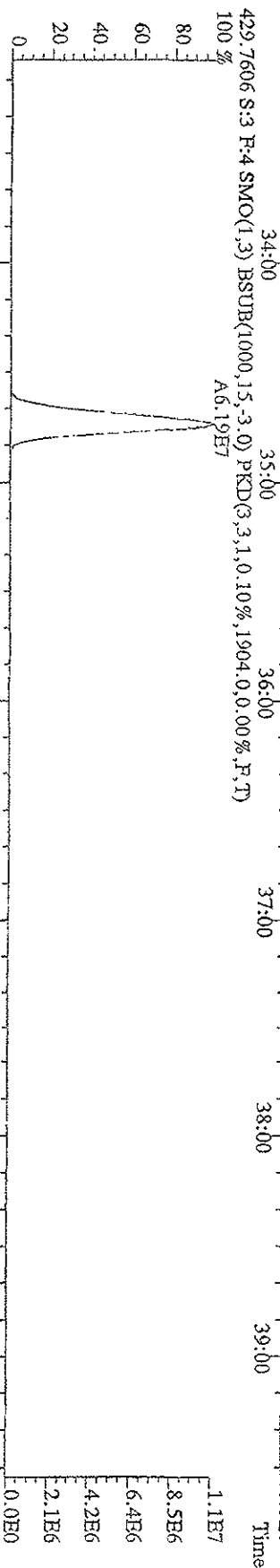
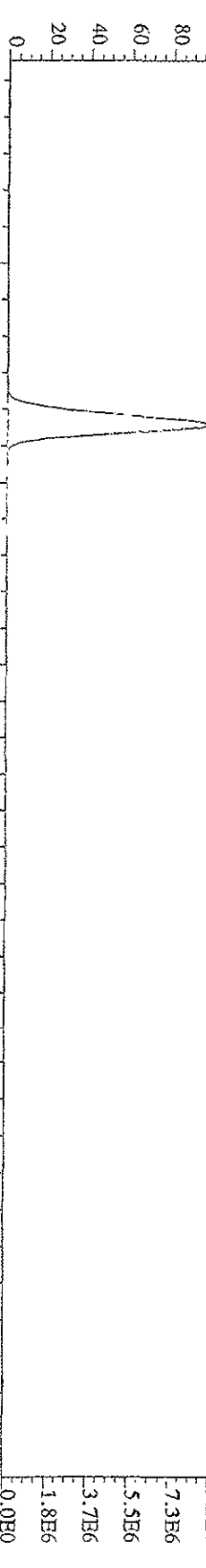
File:15JA09DD9D5 #1-395 Acq:15-JAN-2009 22:07:59 GC EL+ Voltage SIR Autospec-Ultimate

Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

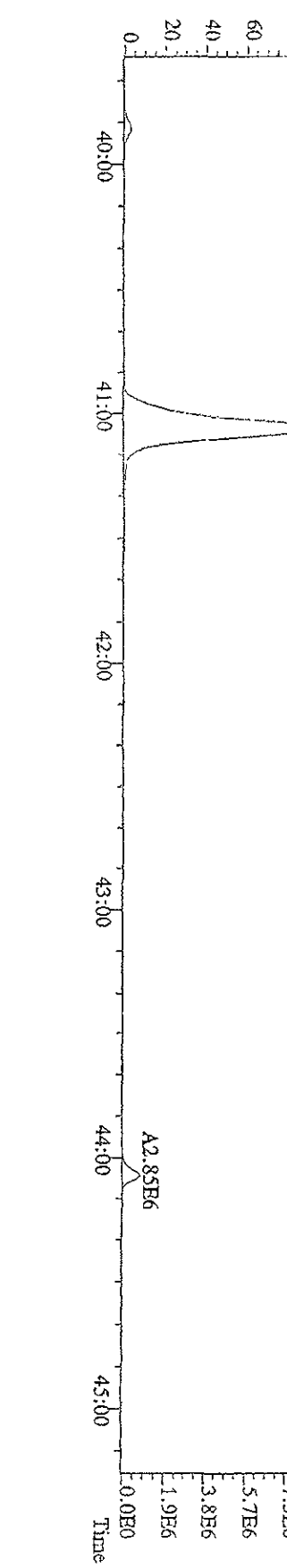
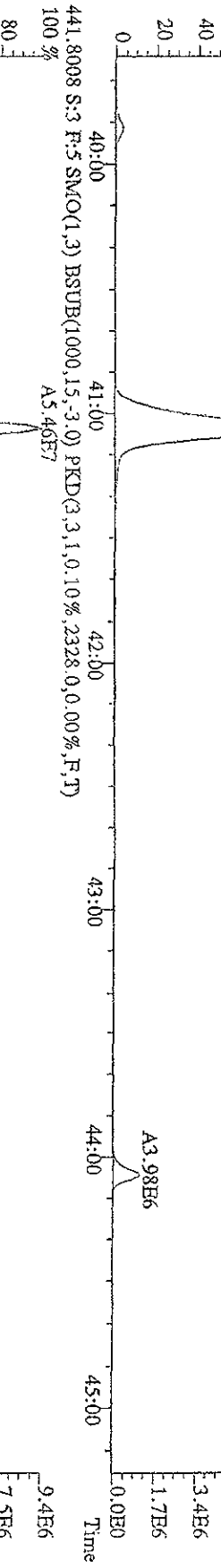
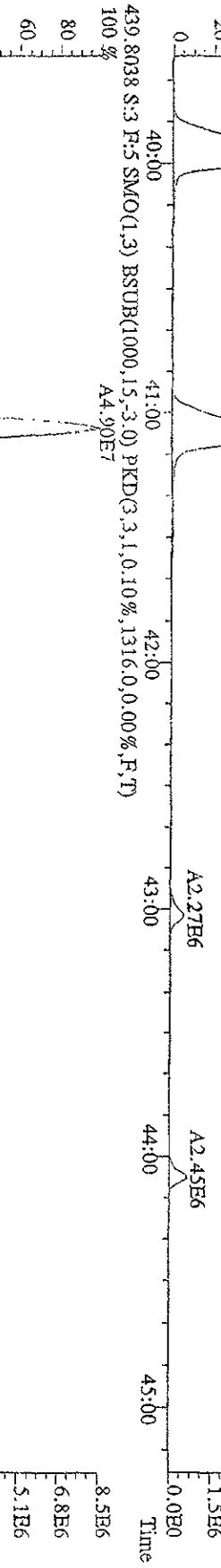
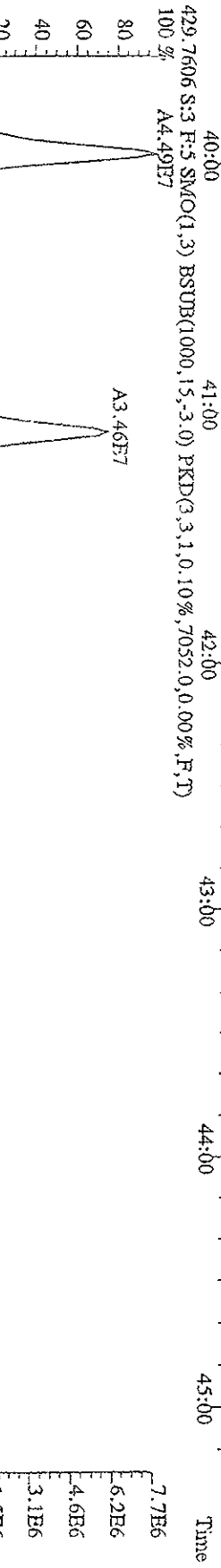
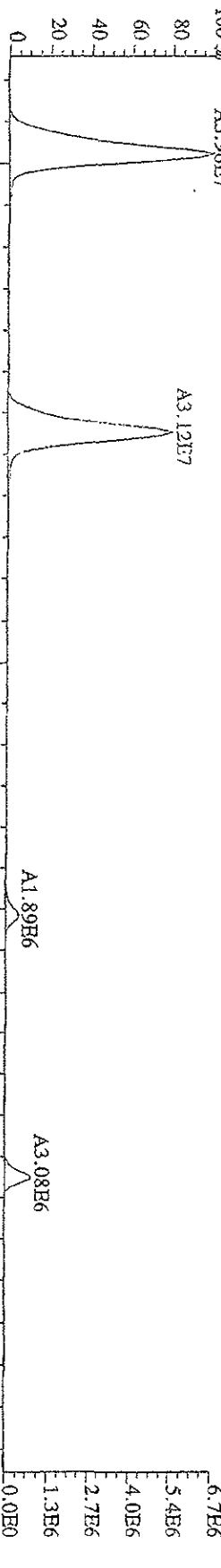




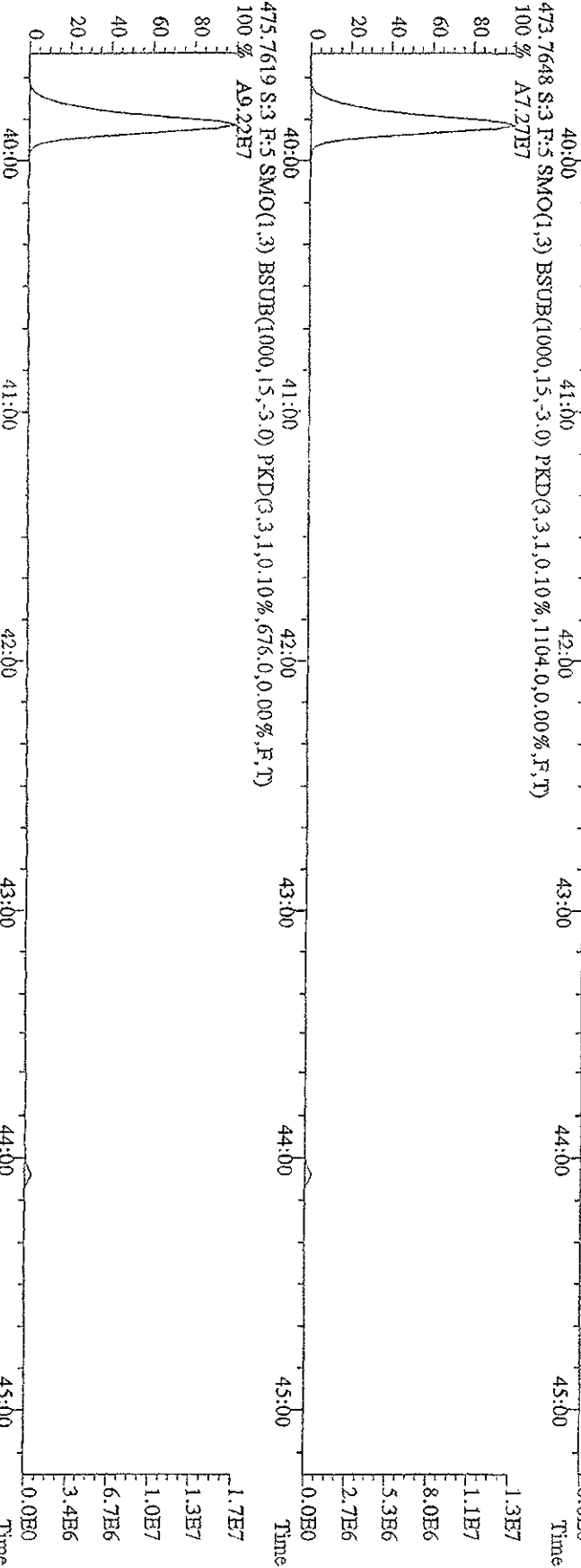
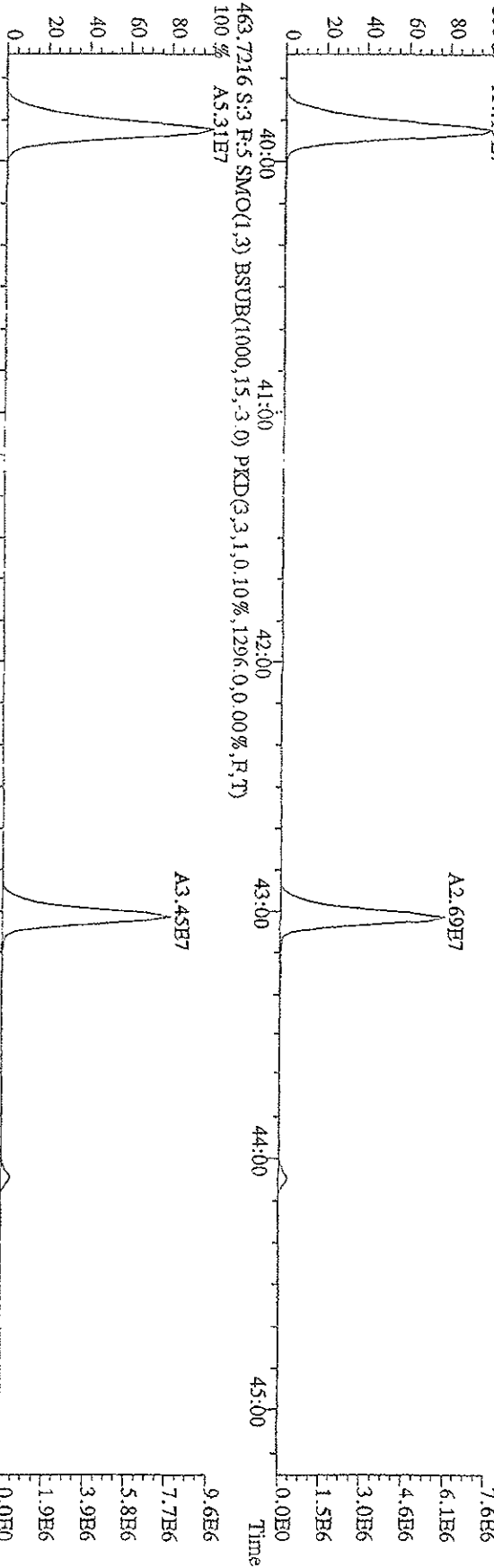
File:15IA09D9D5 #1-395 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 427.7635 S:3 F:4 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1.0,10%,1056.0,0.00%,F,T)  
 100% A5.34E7



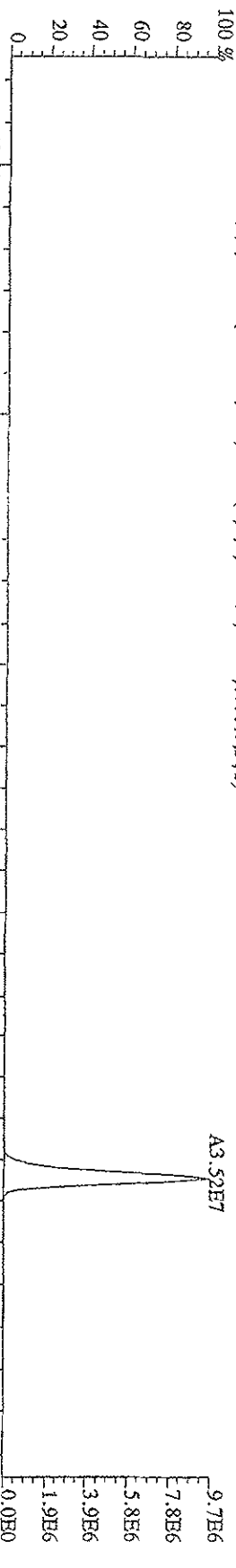
Title: 131A09DDJD5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI + Voltage SIR Autospec-UltimaR  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 427.7635 S:3 F:5 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,3876,0,0,00%,F,T)  
 100 % A3.96E7



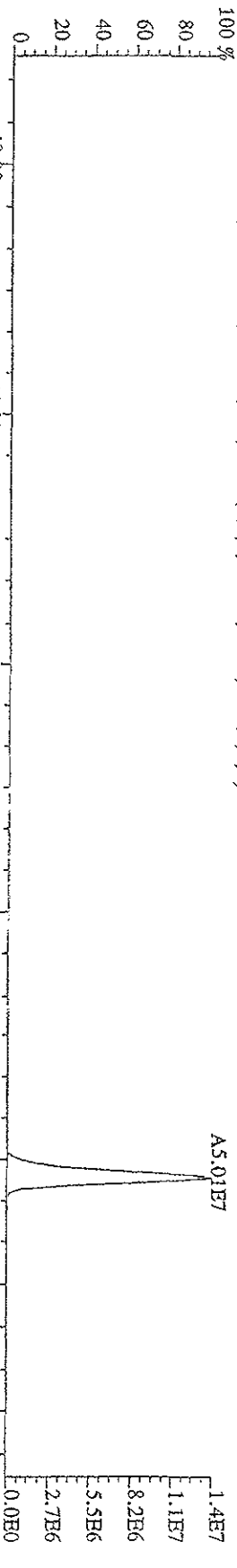
File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 461.7245 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,988,0,0,00%,F,T)  
 100% A4.19E7



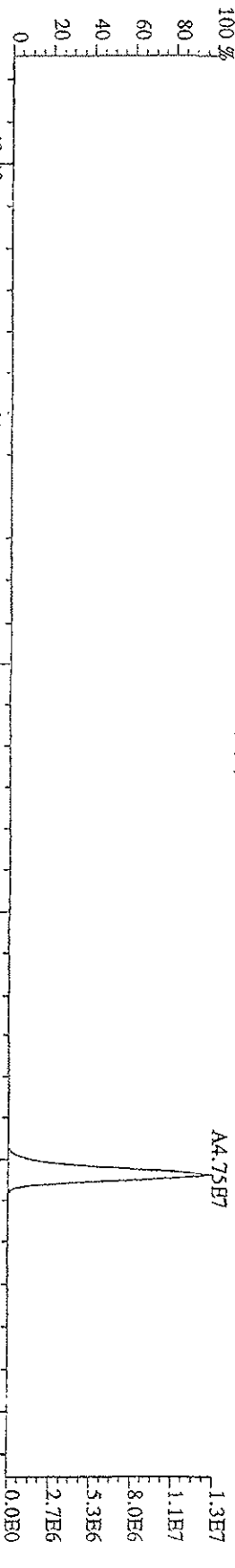
File:15IA09D9D5 #1-378 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5  
 495.6856 S:3 F:5 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,604,0,0,00%,F,T)



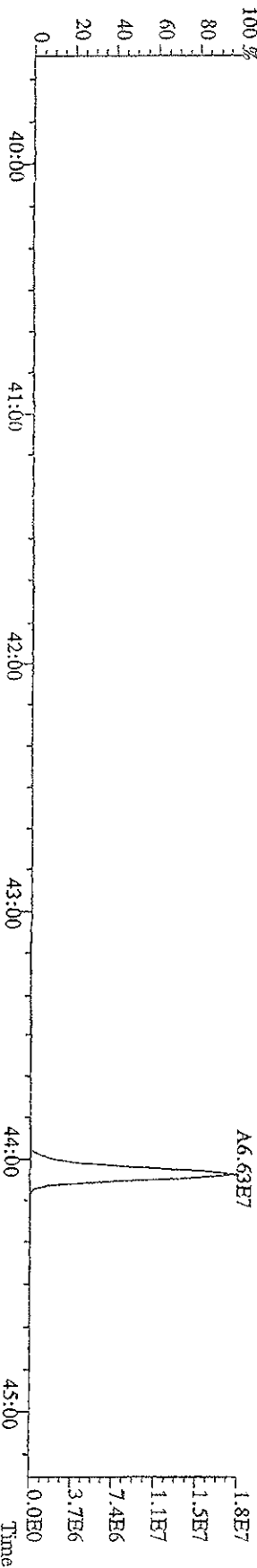
497.6826 S:3 F:5 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,120,0,0,00%,F,T)



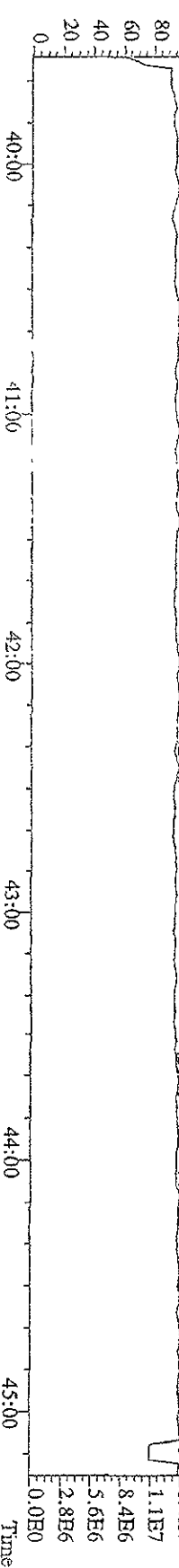
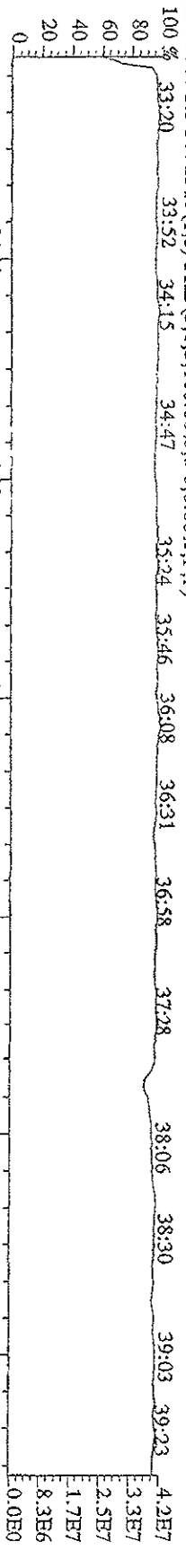
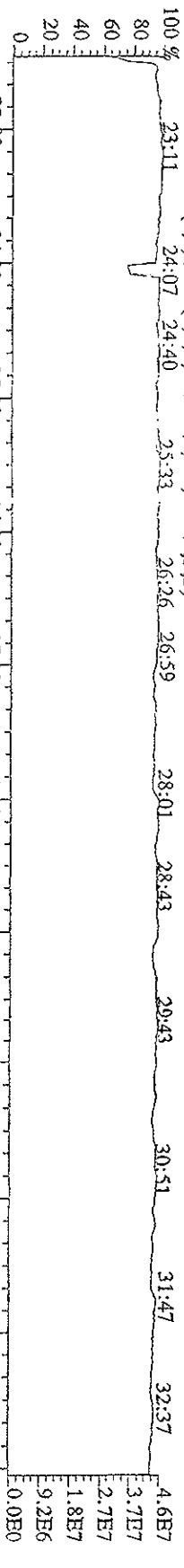
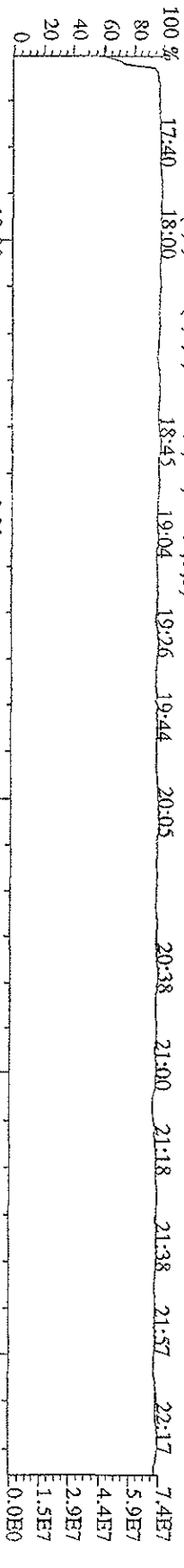
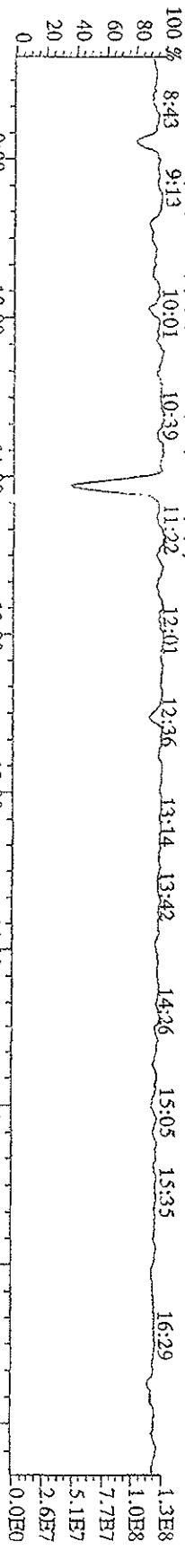
507.7258 S:3 F:5 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,32,0,0,00%,F,T)



509.7229 S:3 F:5 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,20,0,0,00%,F,T)

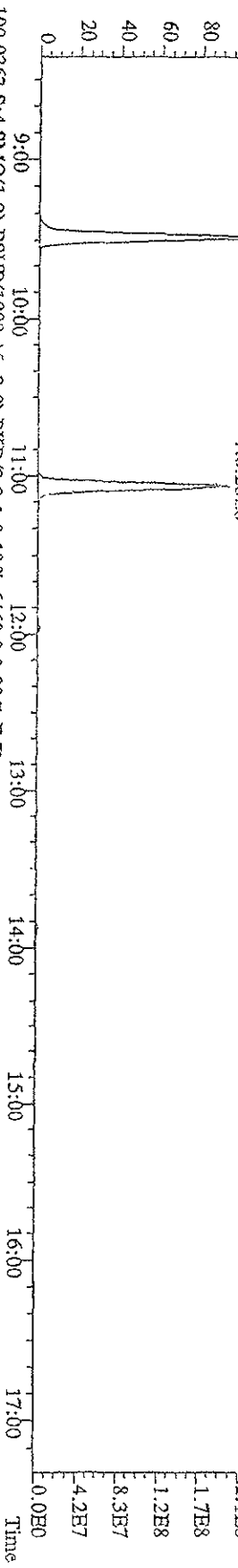


File:15JA09D9D5 #1-609 Acq:15-JAN-2009 22:07:59 GC EI+ Voltage 51R Autospec-UltimaB  
 Sample#3 Text:ST0115B :CS3 09DXN016 Exp:209DB5

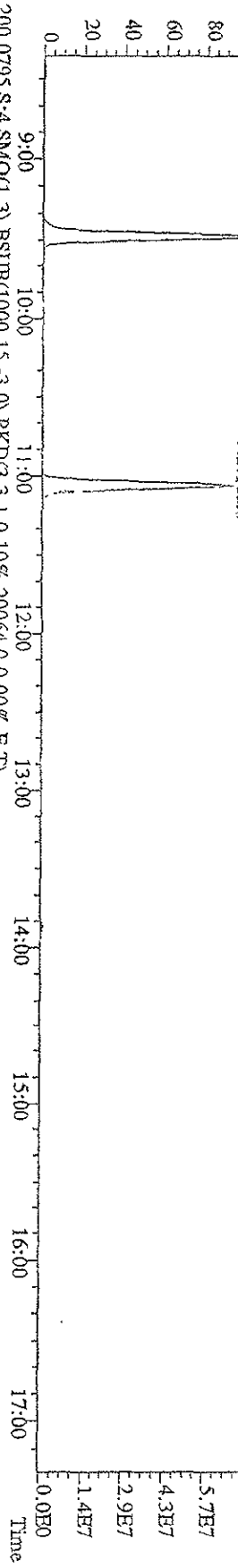


File: 151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC.HI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5

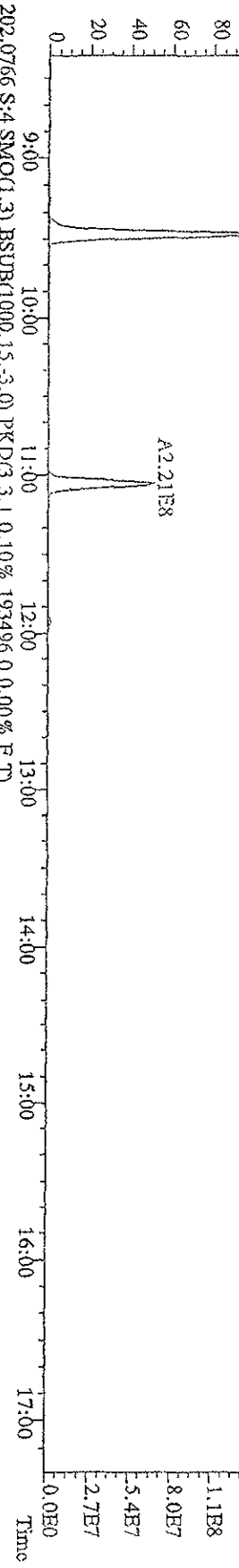
188.0393 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,12792,0,0,00%,F,T)  
 100%



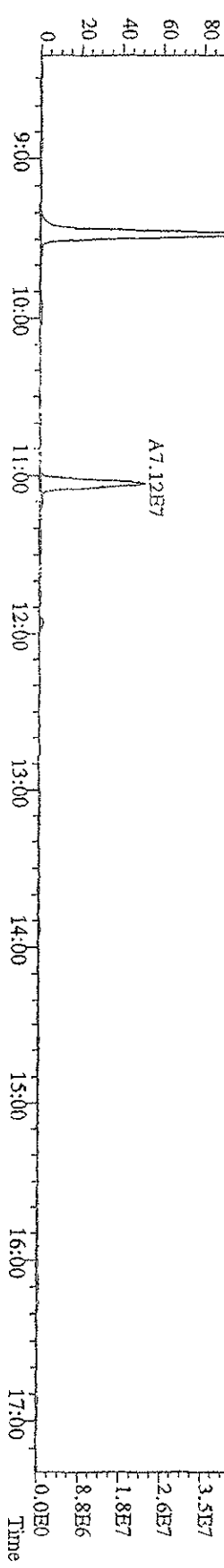
190.0363 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6460,0,0,00%,F,T)  
 100%



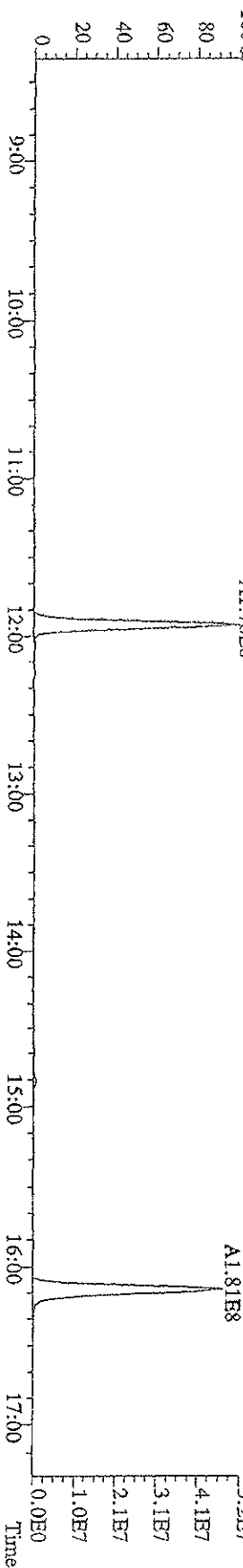
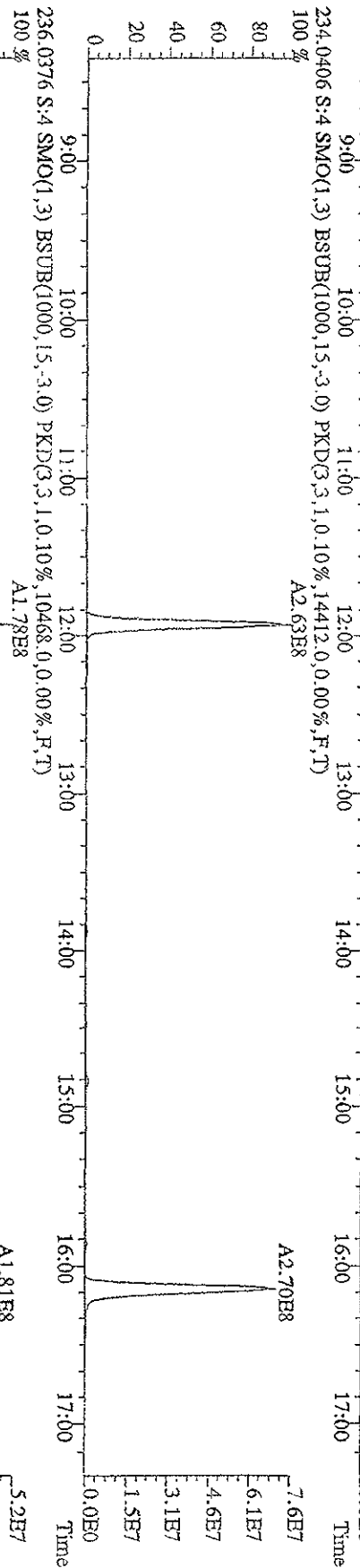
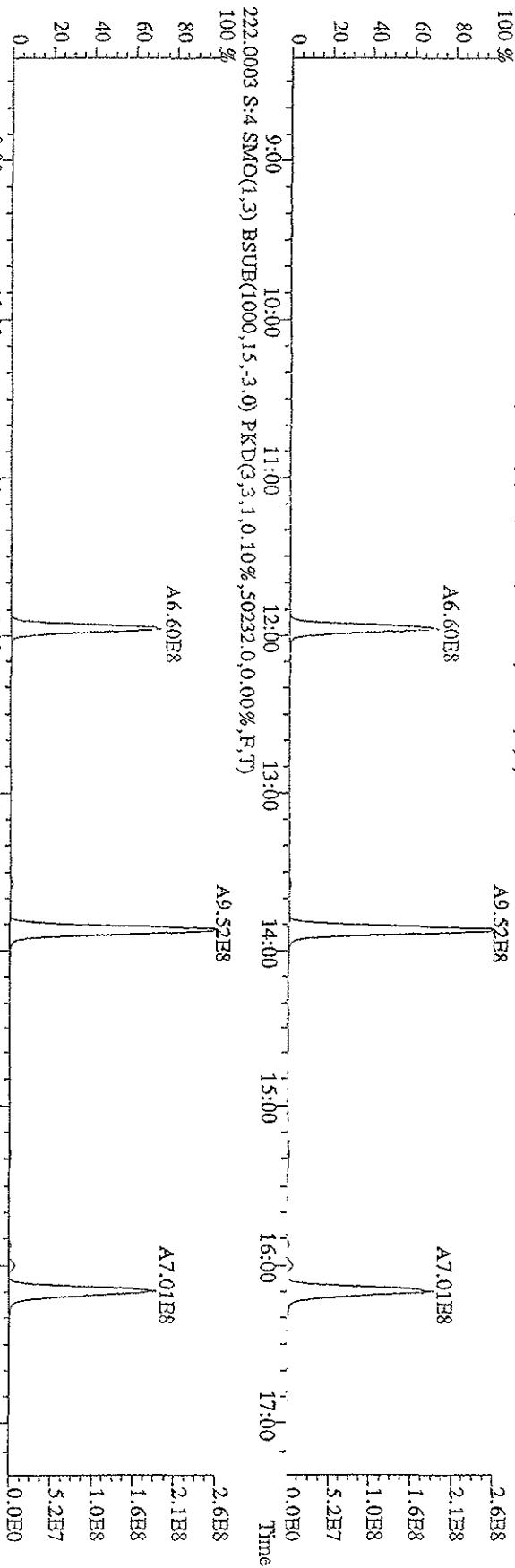
200.0795 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,20064,0,0,00%,F,T)  
 100%



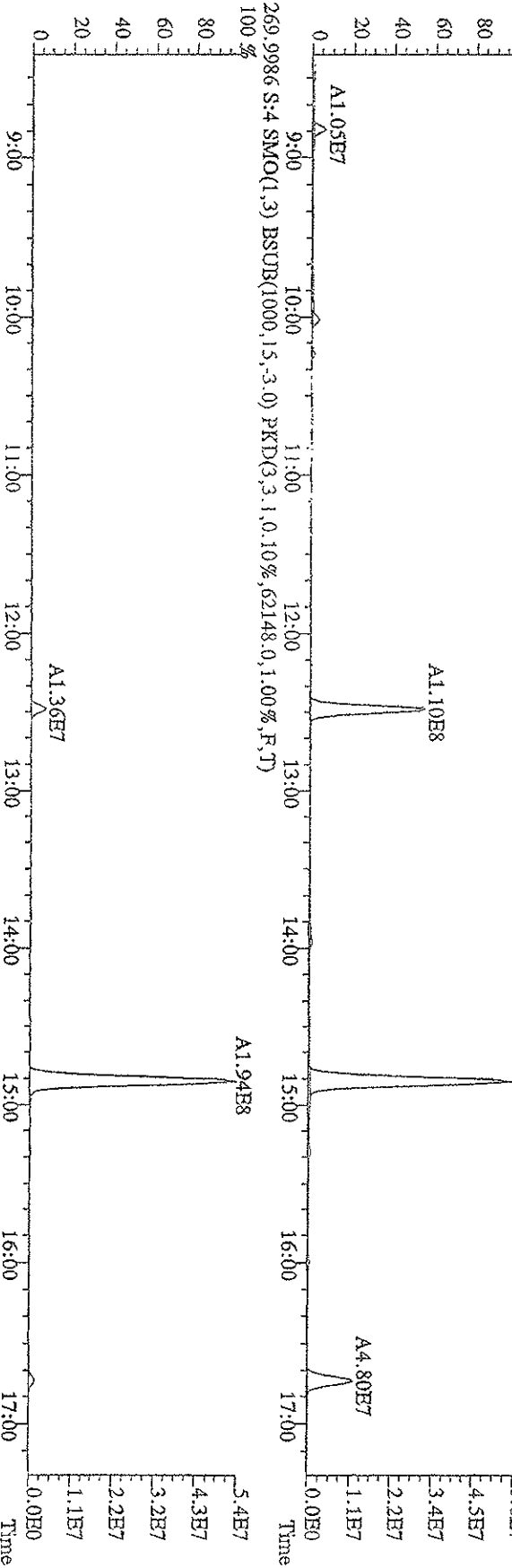
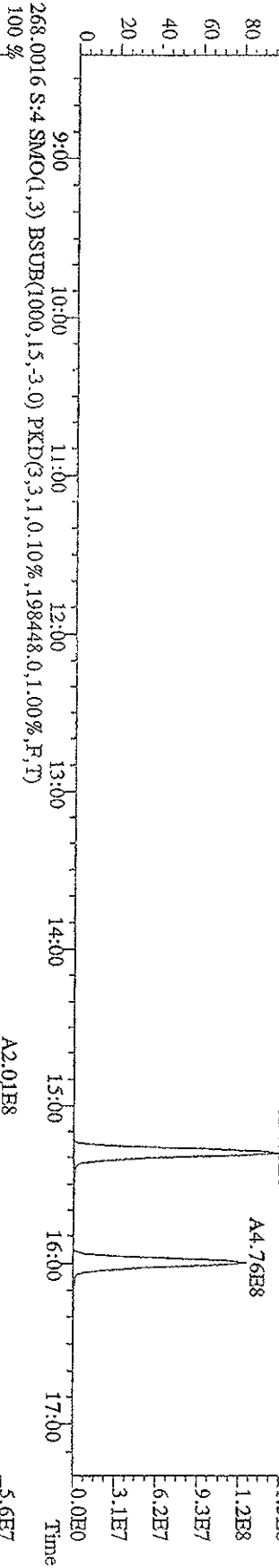
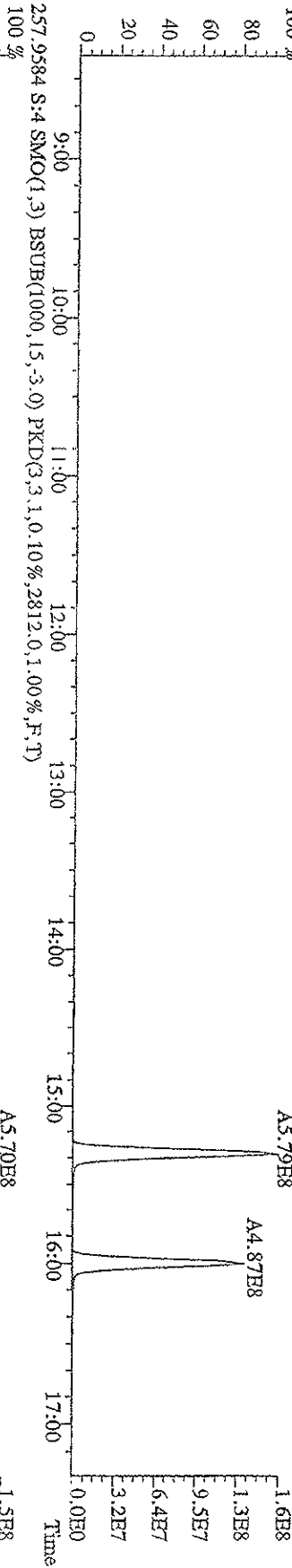
202.0766 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,193496,0,0,00%,F,T)  
 100%



File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SFR Autospec-Ultimate  
 Sample#4 Text:STU115C :CS4 09DXN017 Exp:209DB5  
 222.0003 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,50232,0,0,00%,F,T)

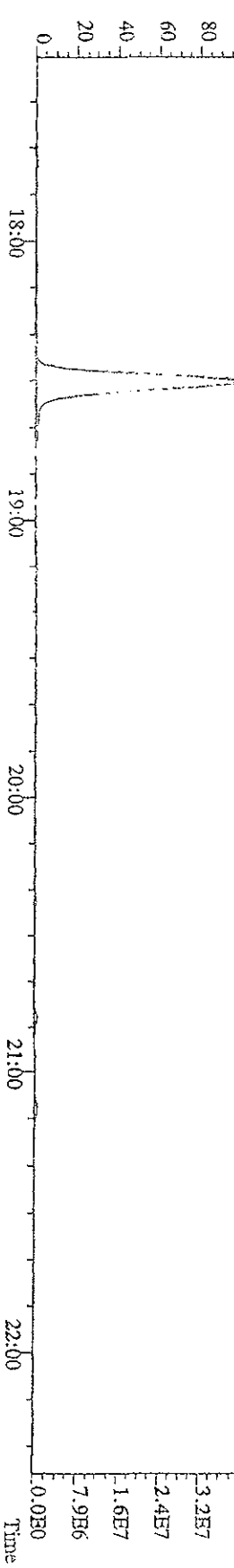
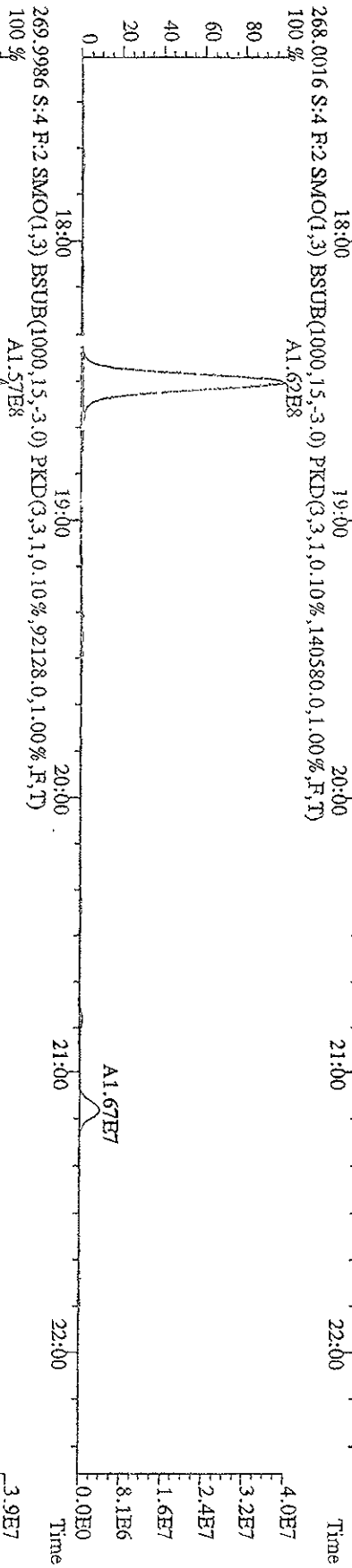
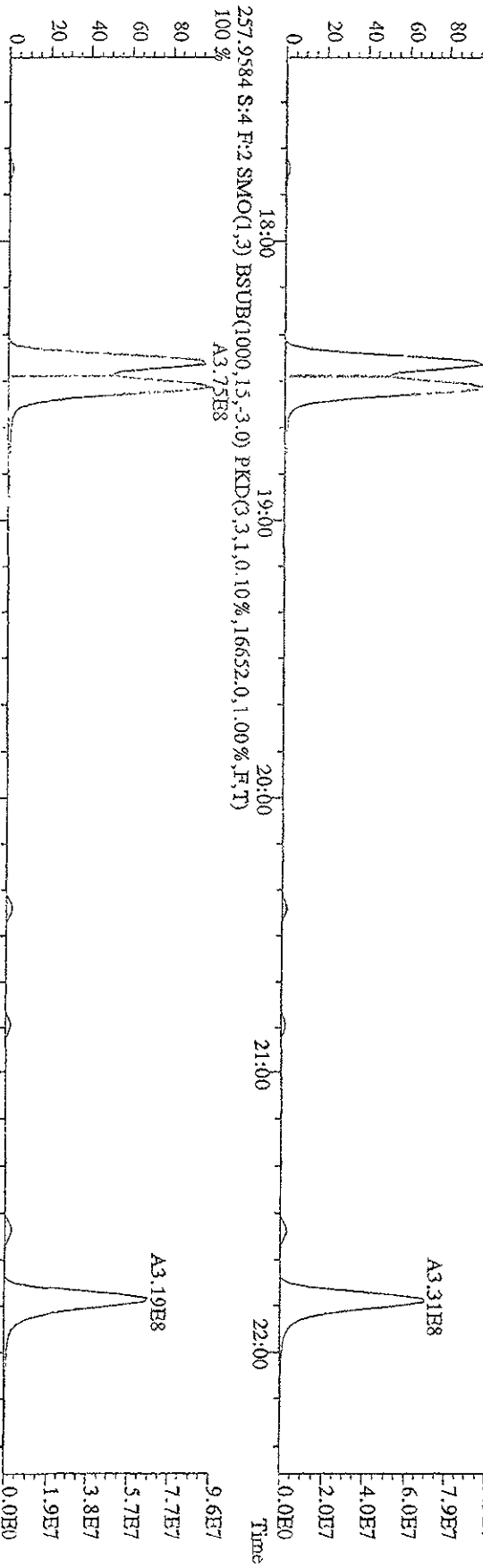


File:151A09DD9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4.09DXN017 Exp:209DB5  
 255.9613 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6372,0,1,00%,F,T)

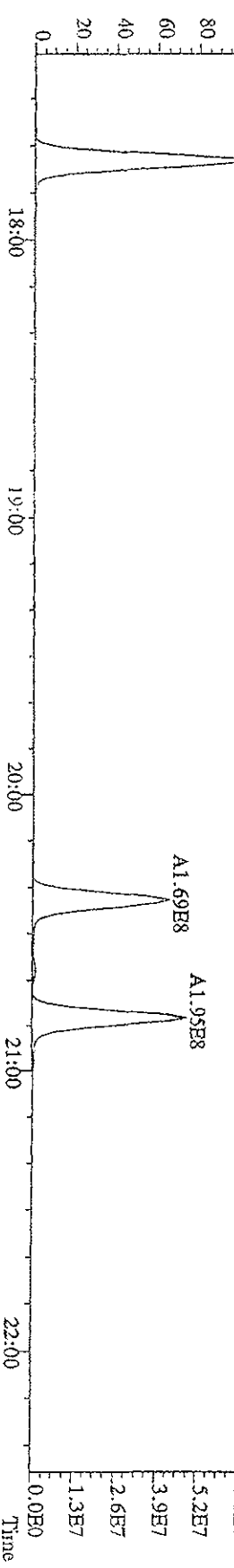
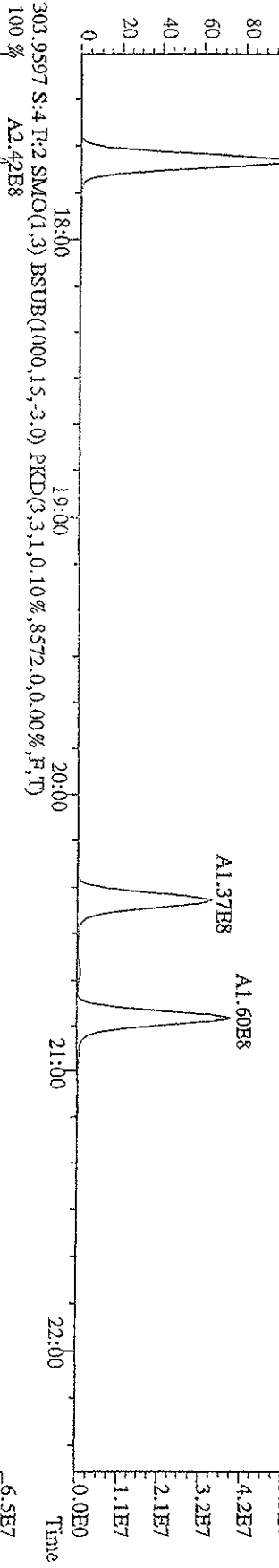
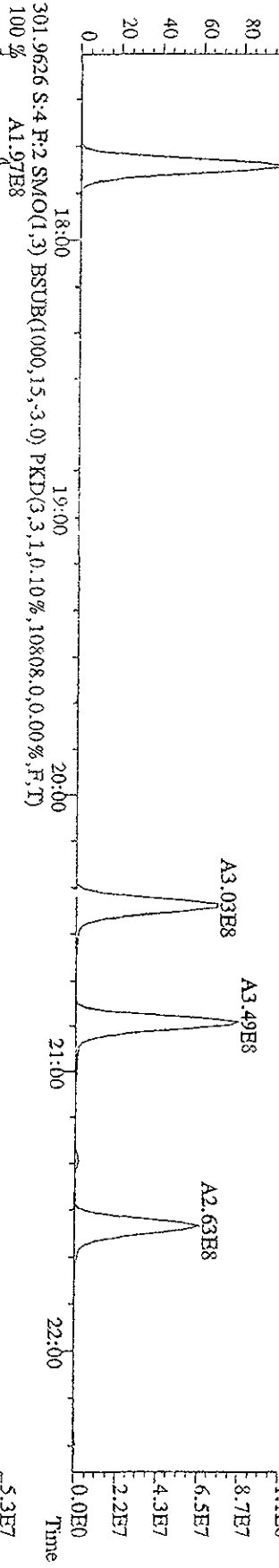
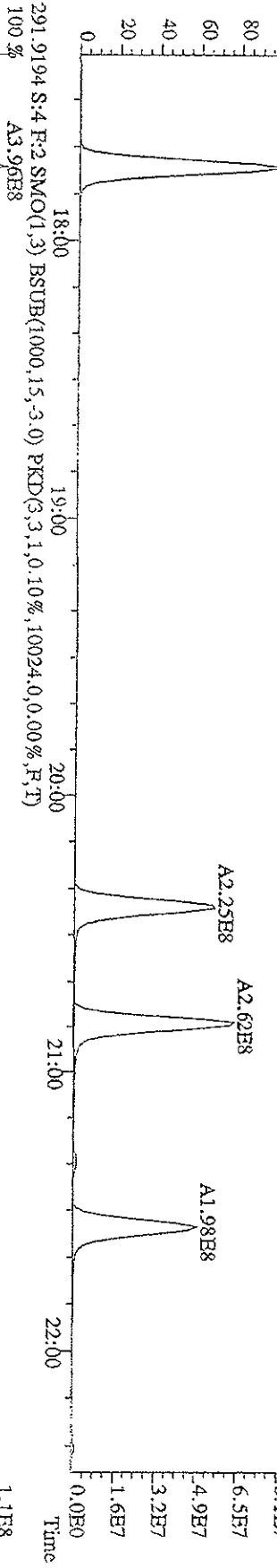




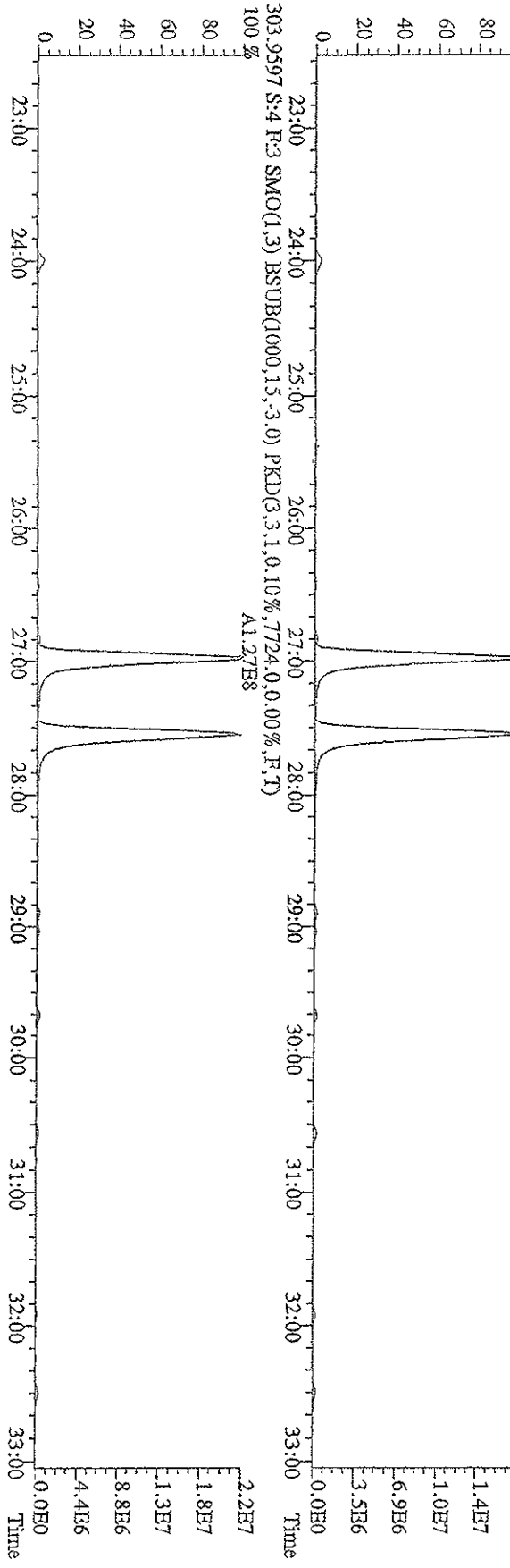
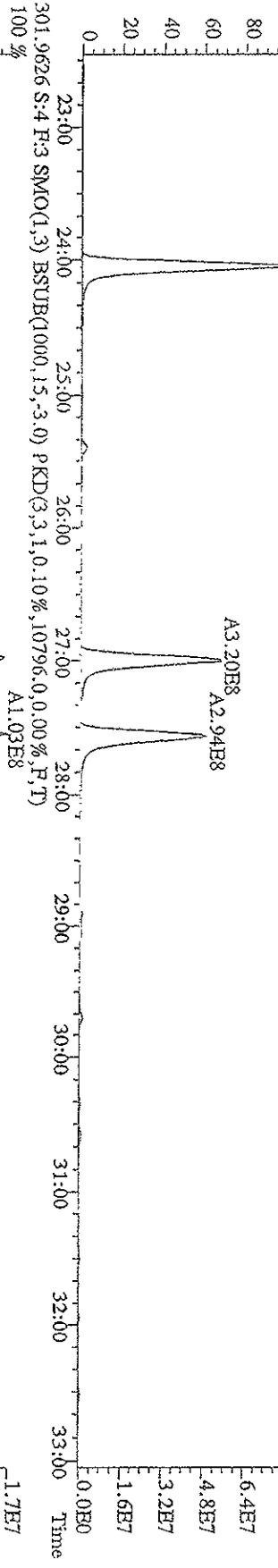
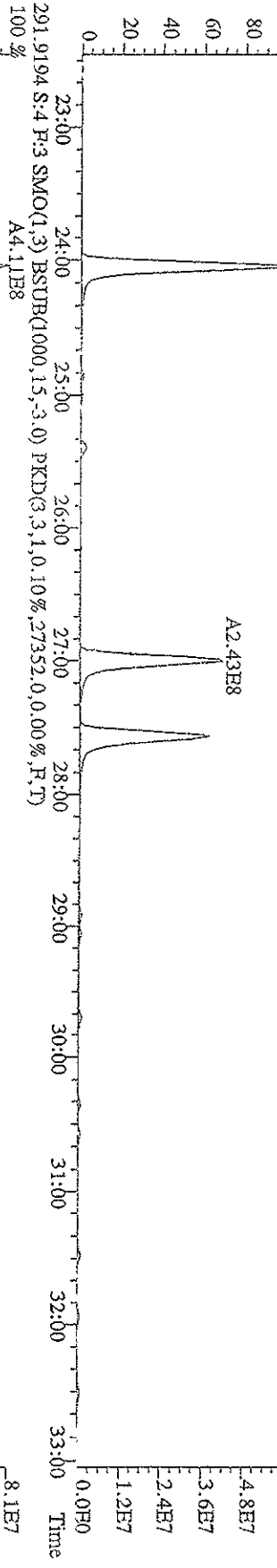
File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SDR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 255.9613 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,19732.0,1.00%,F,T)  
 100%



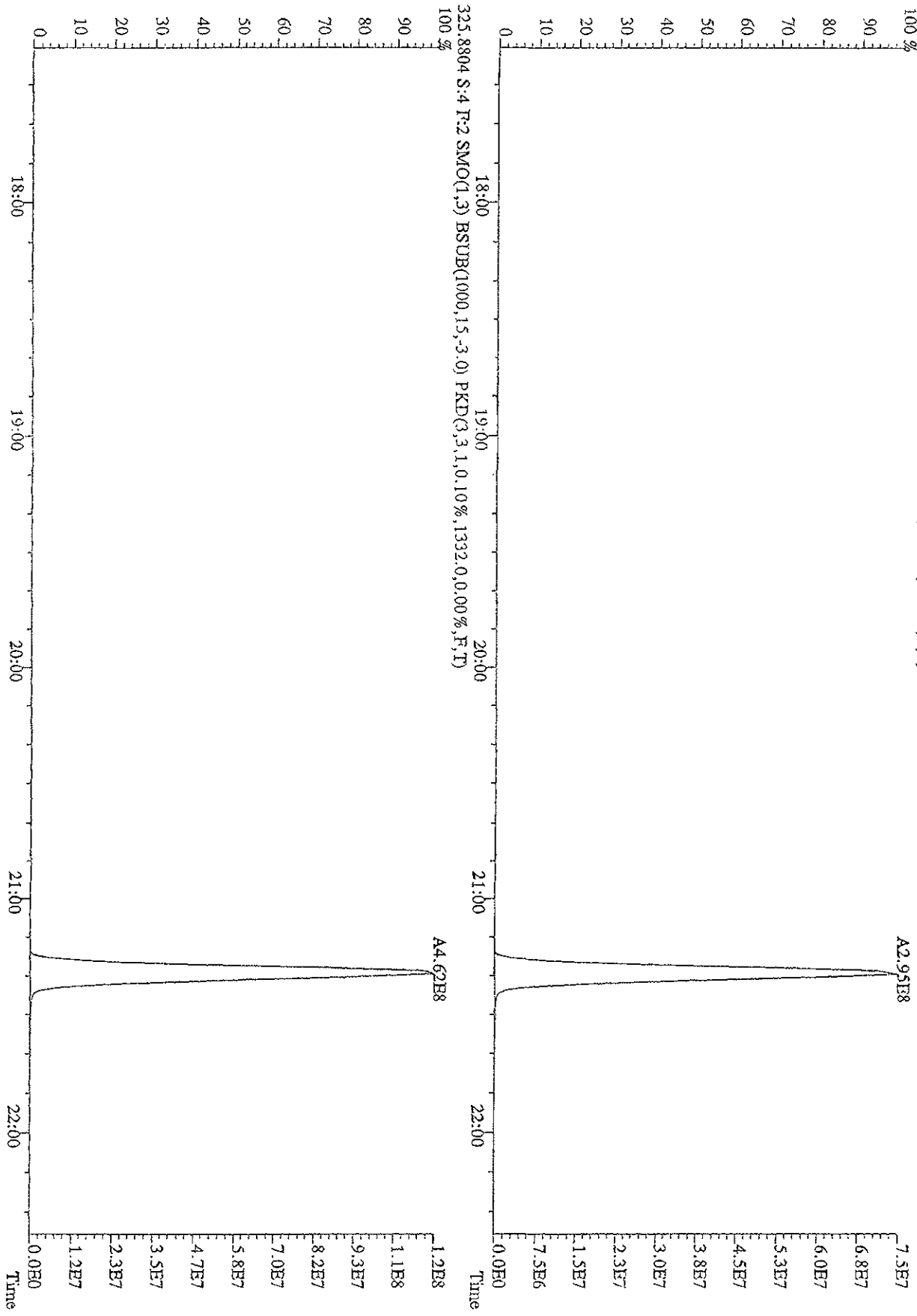
File:15UA09D9D5 #1-371 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltraE  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 289.9224 S:4 P:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5100.0,0.00%,F,T)  
 100% A2.95E8



File: 15JAO9D9D5 #1-597 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage STR Autospec-UltimaE  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,9024.0,0.00%,F,T)  
 100% A3.11E8

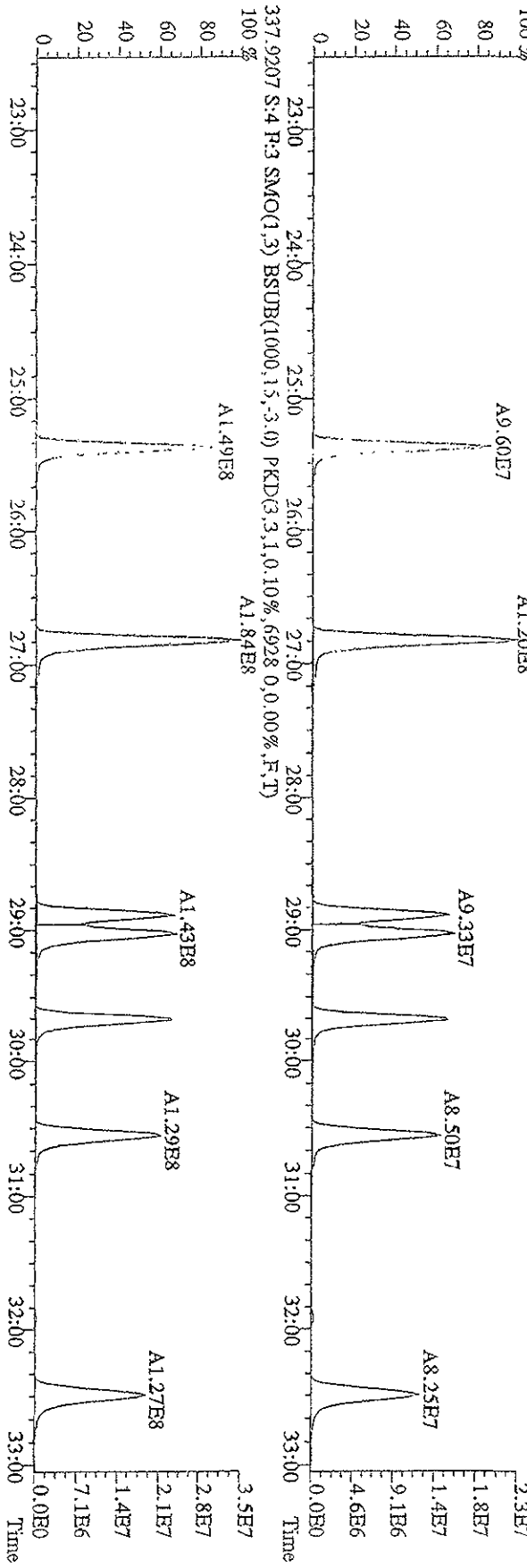
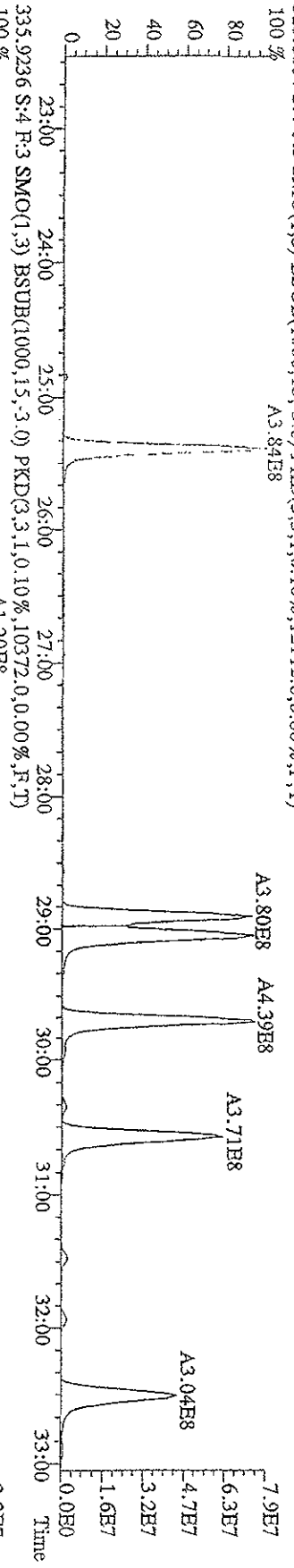
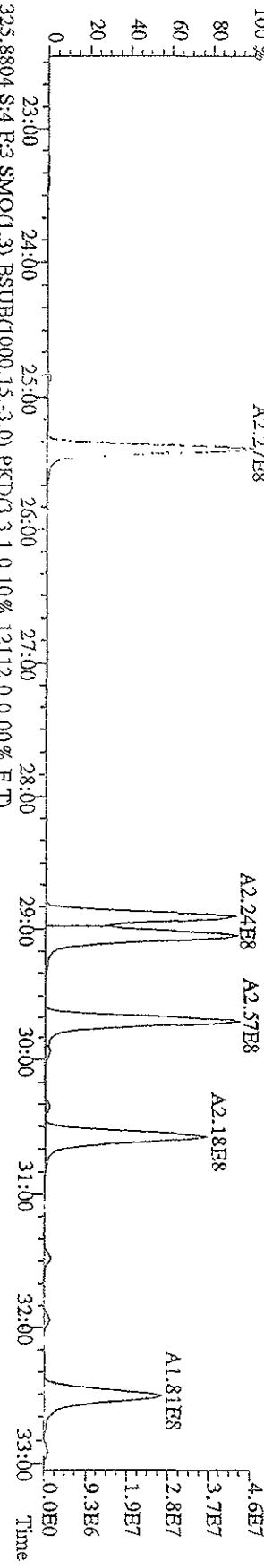


File: 15\A09D9D5 #1-371 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0115C :CS4 09DXN017 Exp: 209DB5  
 323.8834 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2016,0,0,00%,F,T)

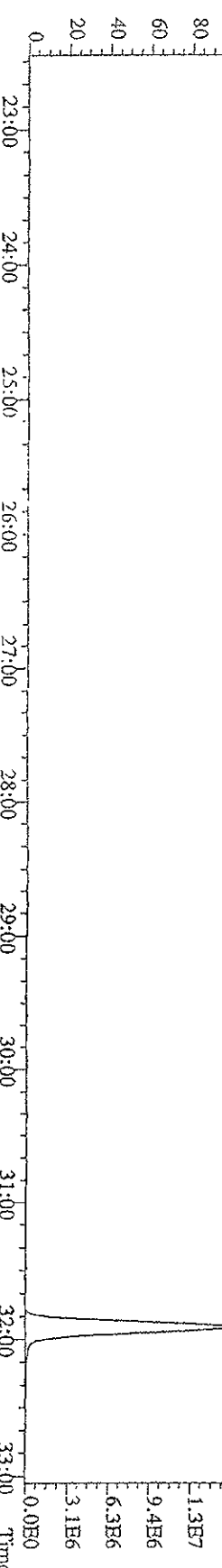
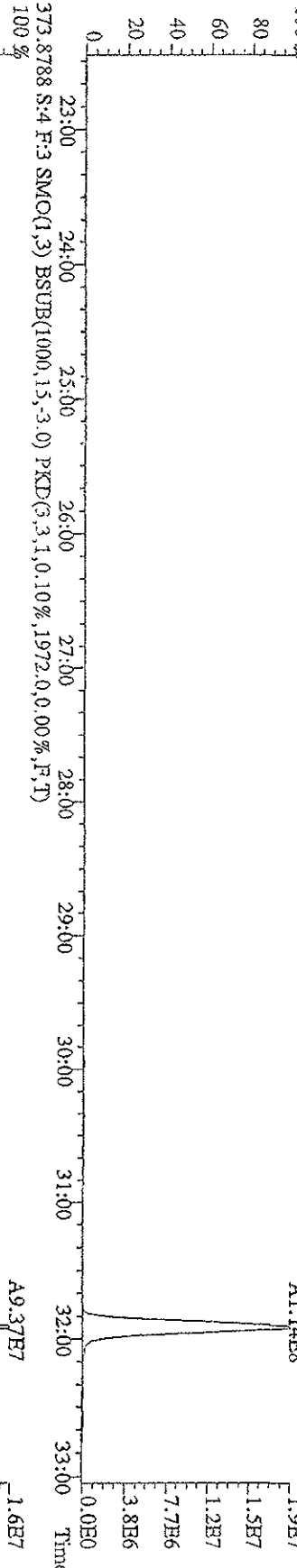
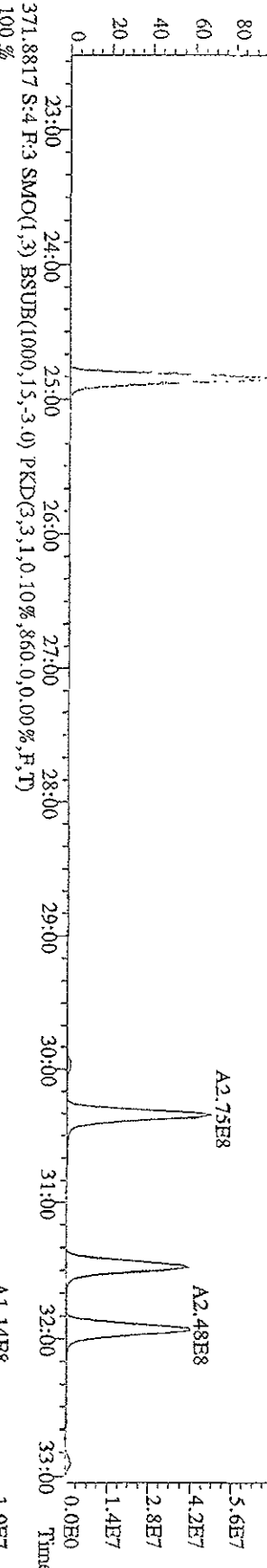
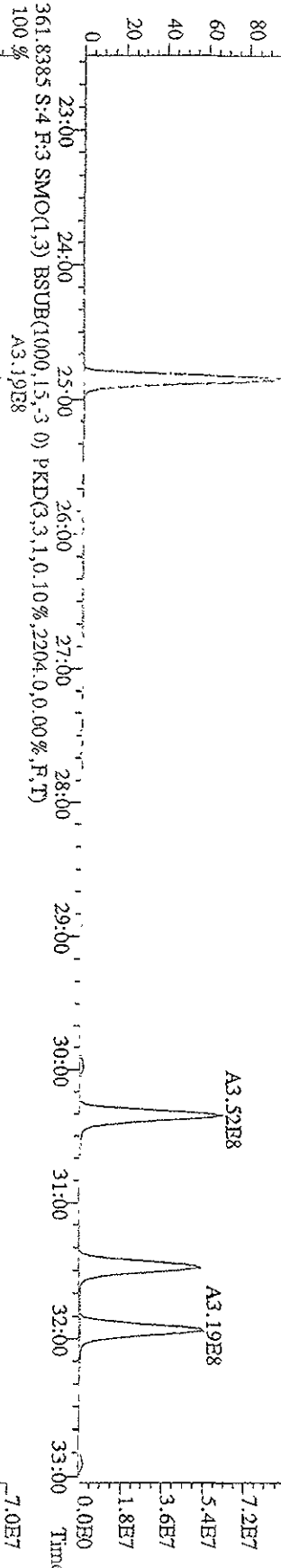


File: 151A09D9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate

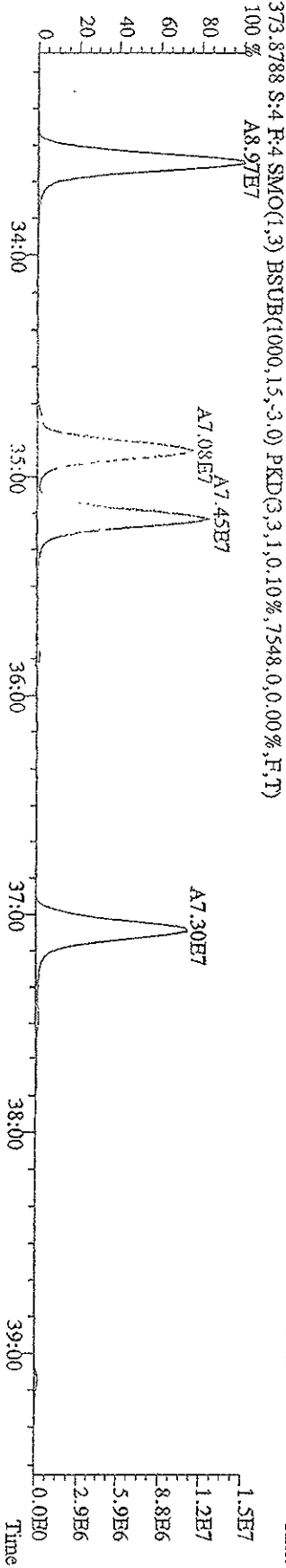
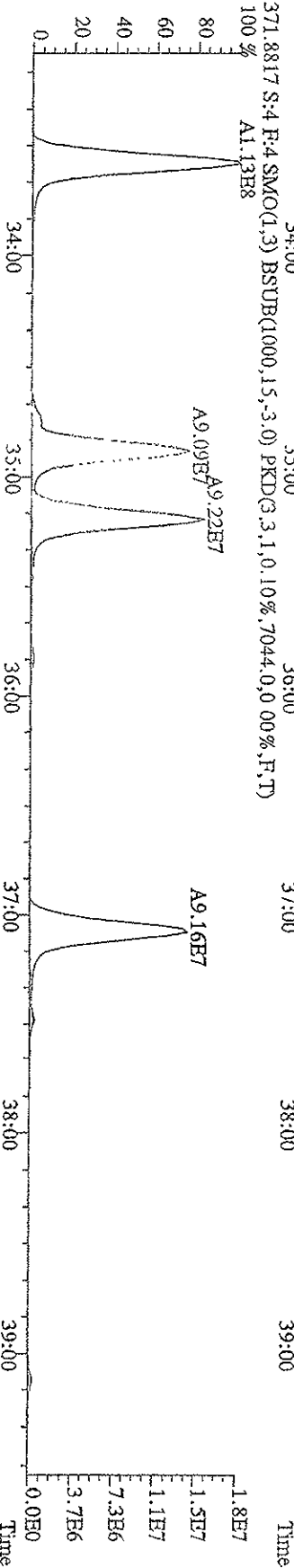
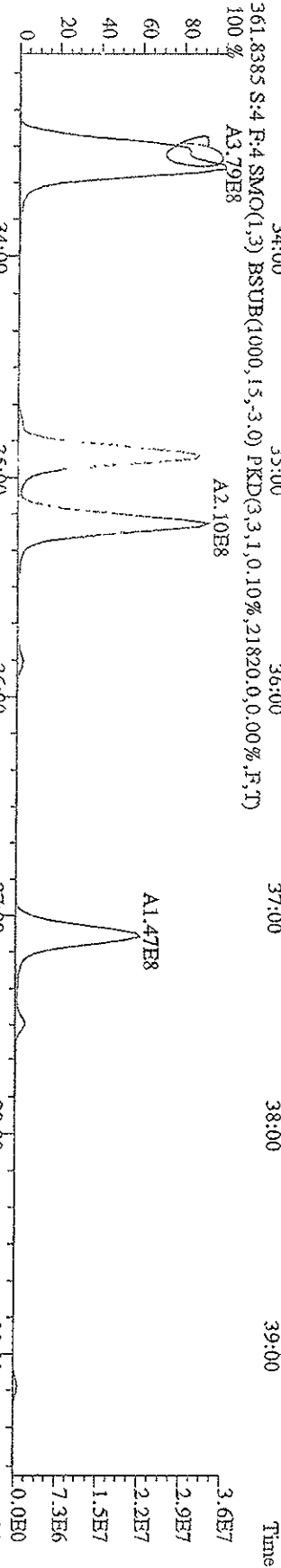
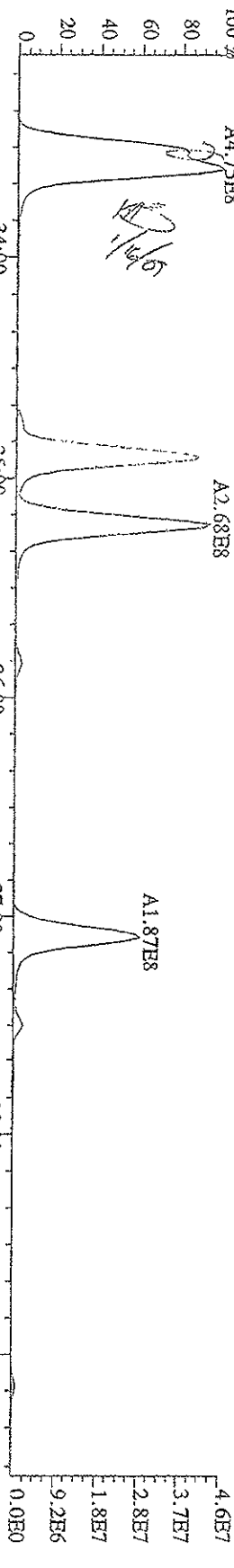
Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5



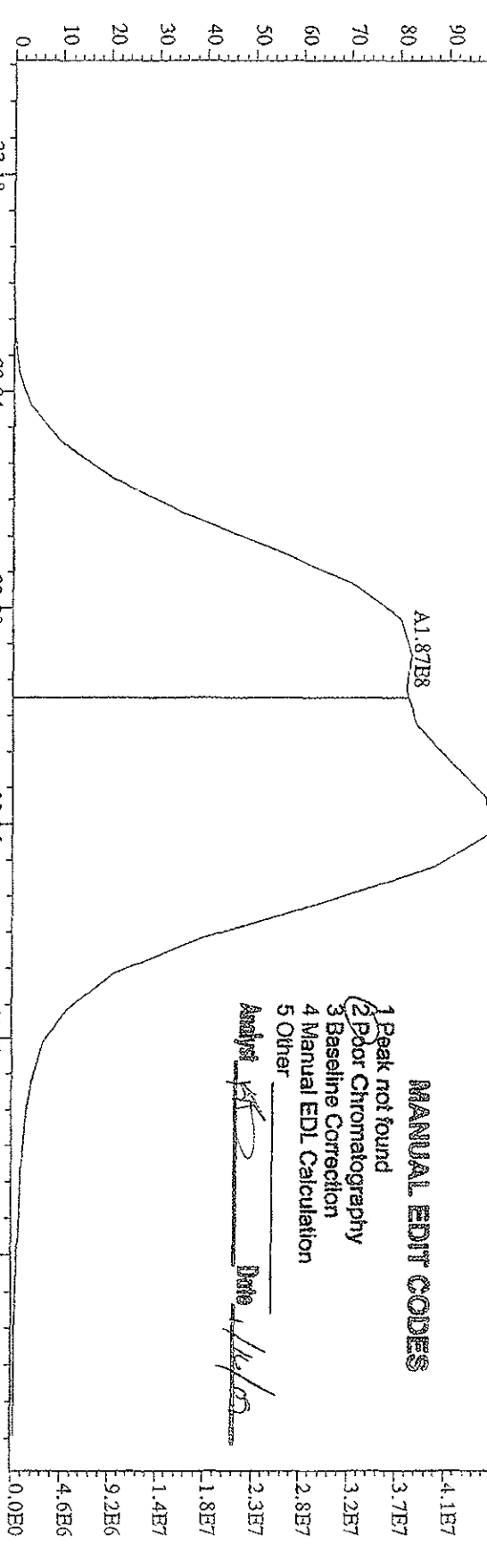
File:15IA09D9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage 50V Autospec-UltraE  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 359.8415 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2244.0,0.00%,F,T)  
 100% A4.07E8



File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UHimaE  
 Sample#4 Text: ST0115C : CS4 09DXN017 Exp: 209DB5  
 359.8415 S:4 R:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,27044,0,0,00%,F,T)



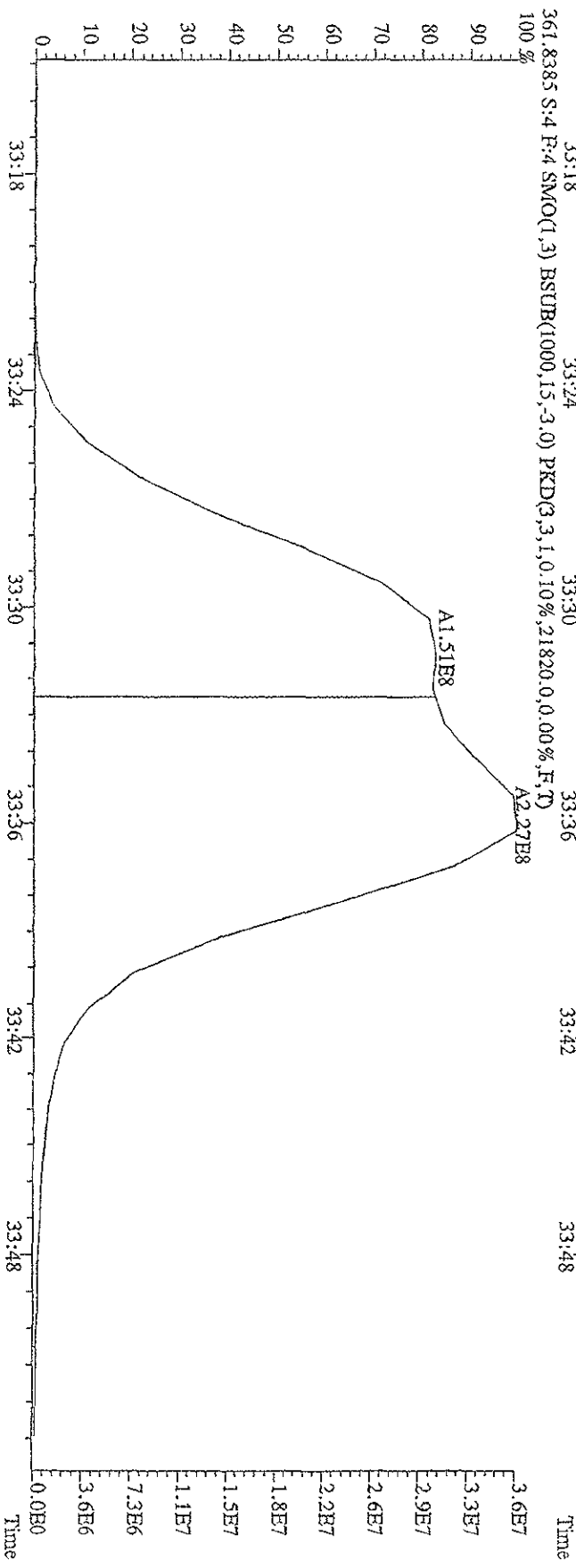
File:15JA09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI + Voltage S/R Autospec-UltimaE  
 Sample#4 Text:ST0115C :CS4.09DXN017 Exp:209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSTDB(1000,15,-3,0) PKD(3,1,0.10%,27044,0,0.00%,F,T)



**MANUAL EDIT CODES**

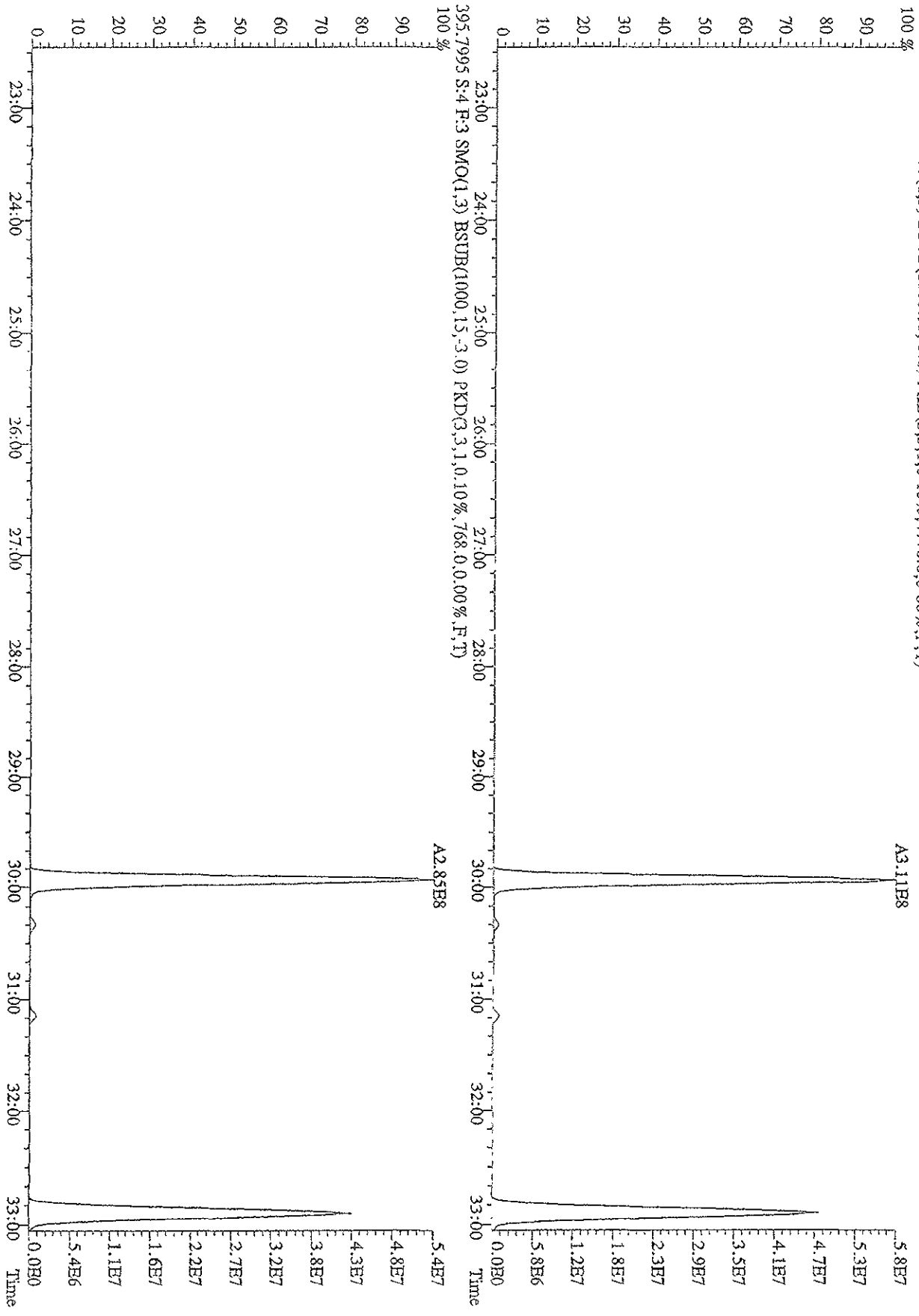
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst [Signature] Date 1/16/09



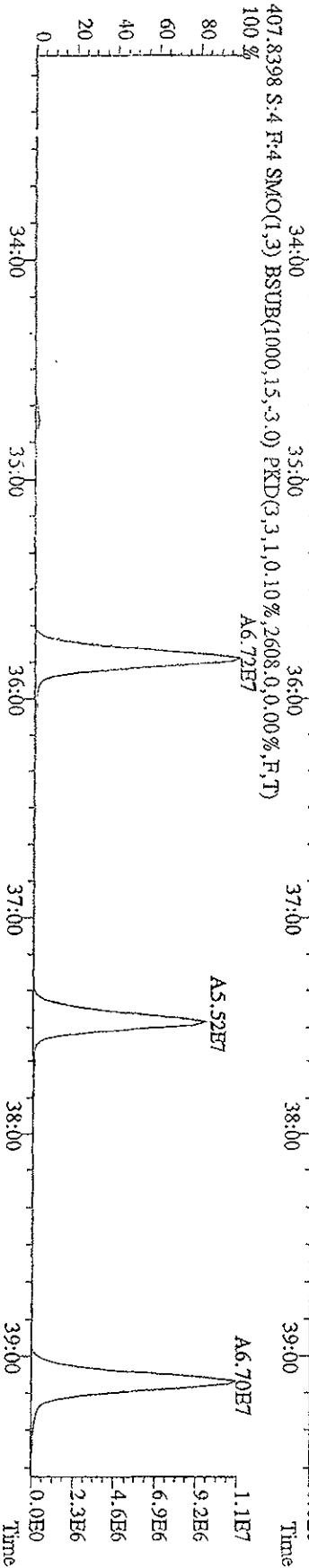
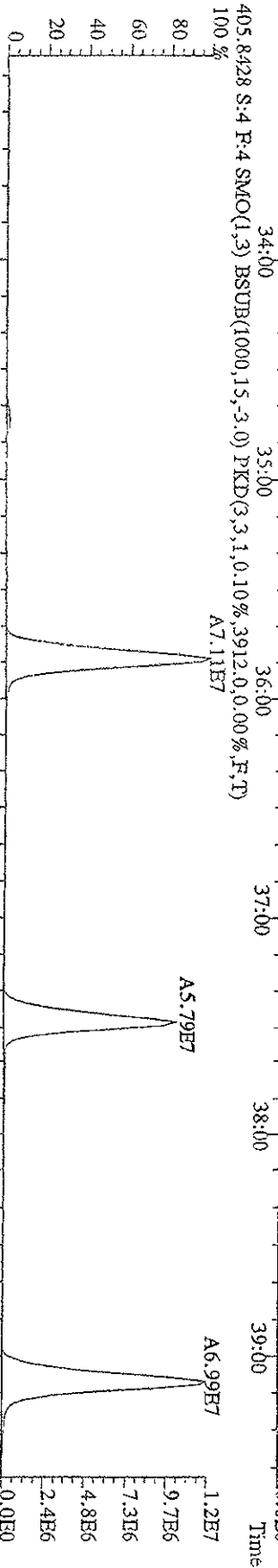
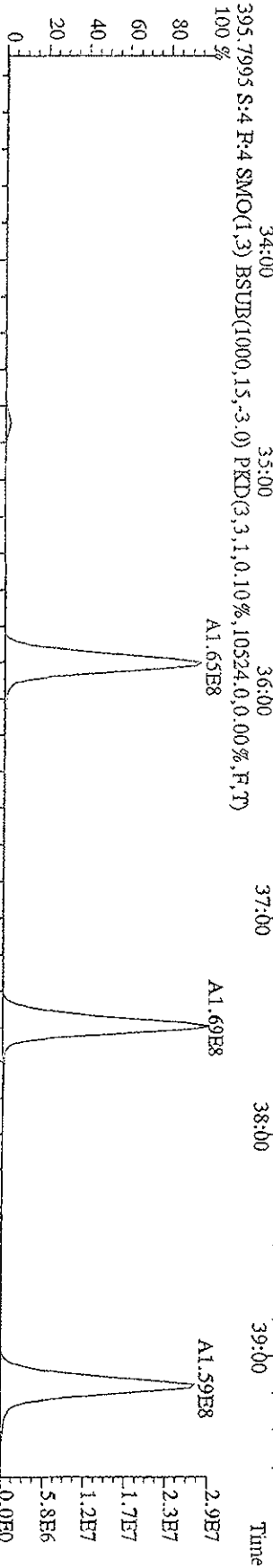
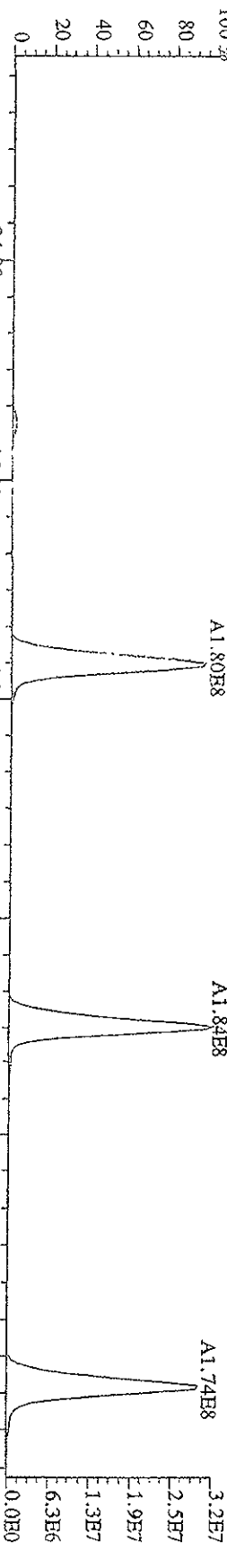


File:151A09DD9D5 #1-597 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 393.8025 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0 10%,4776,0,0 00%,F,T)  
 100 %



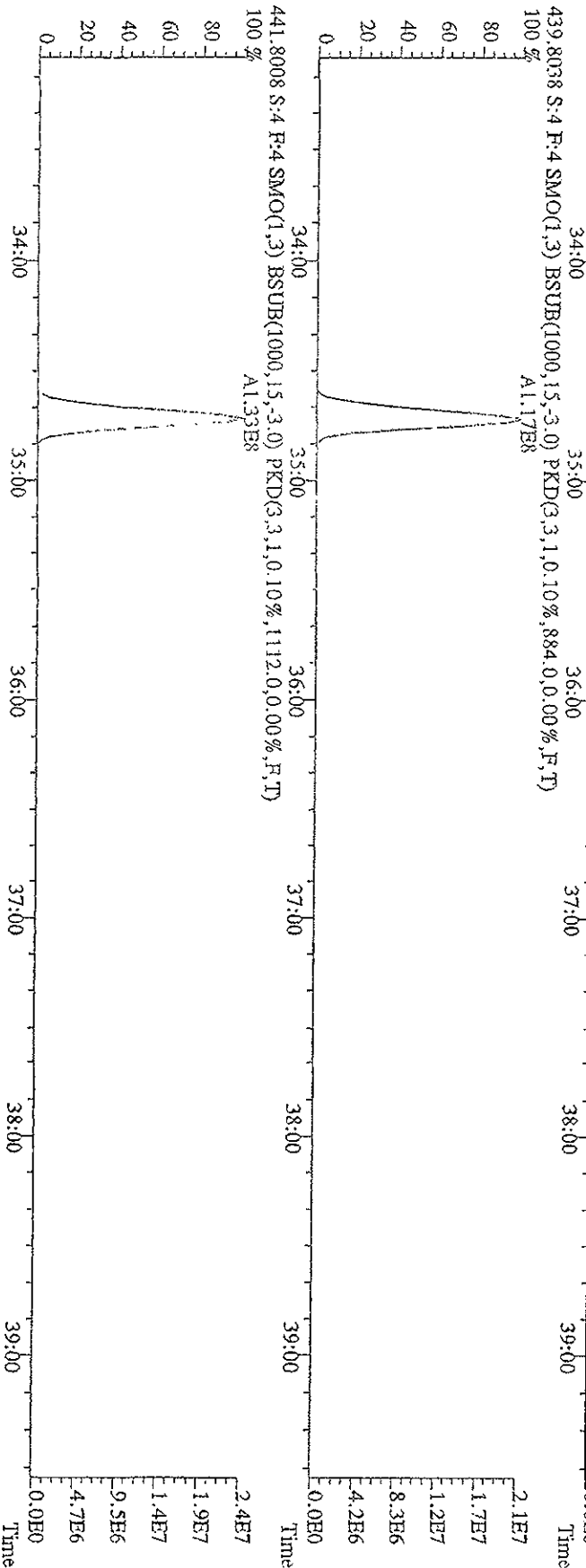
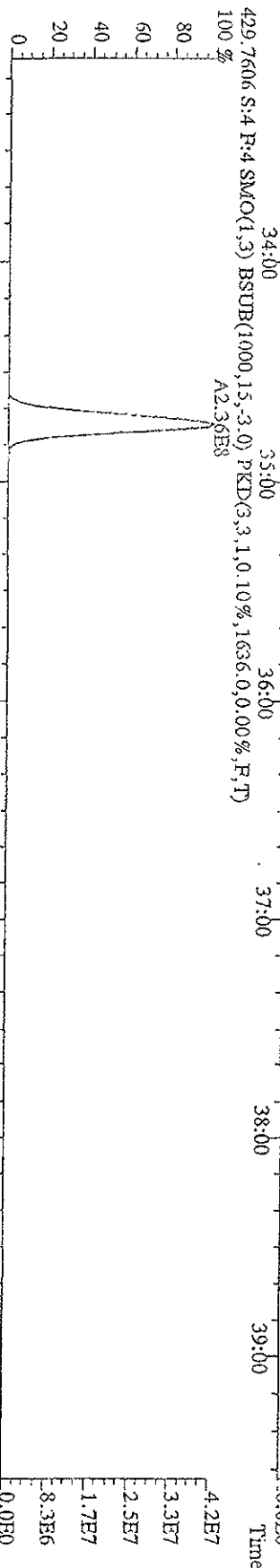
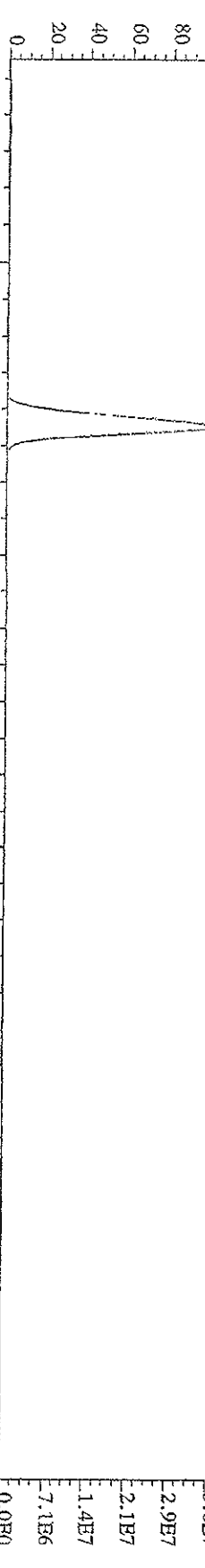
File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage SIR Autospec-Ultimate

Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5

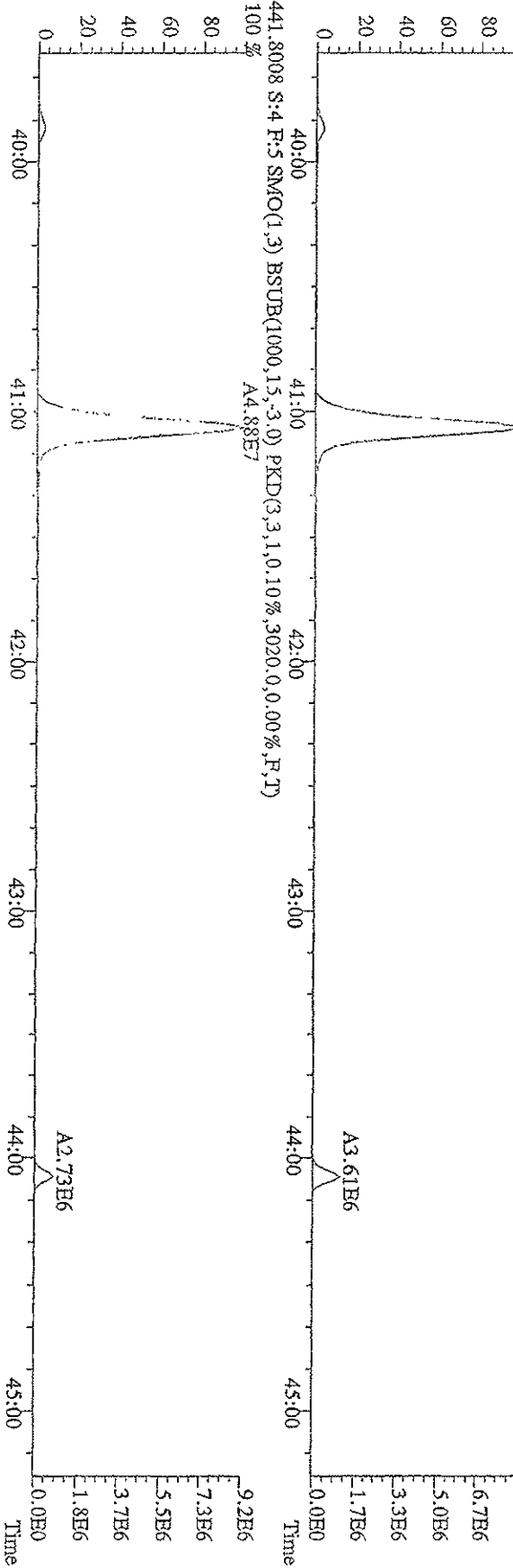
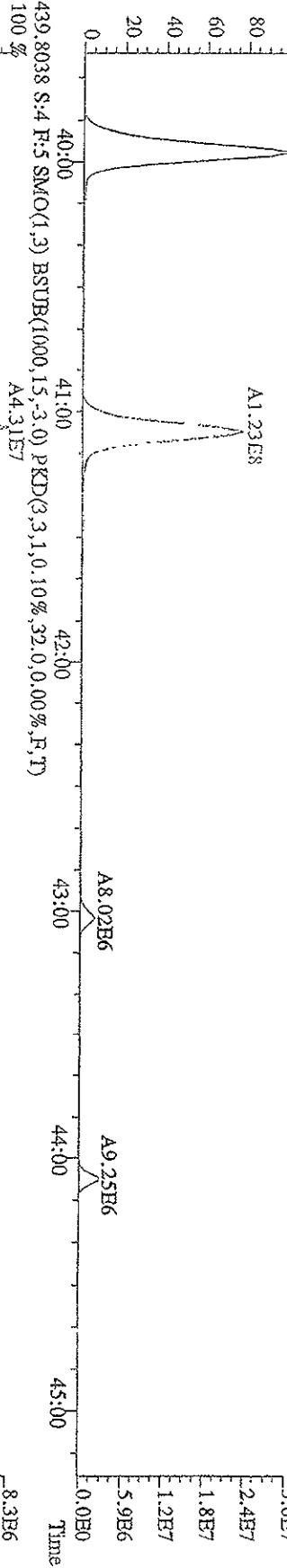
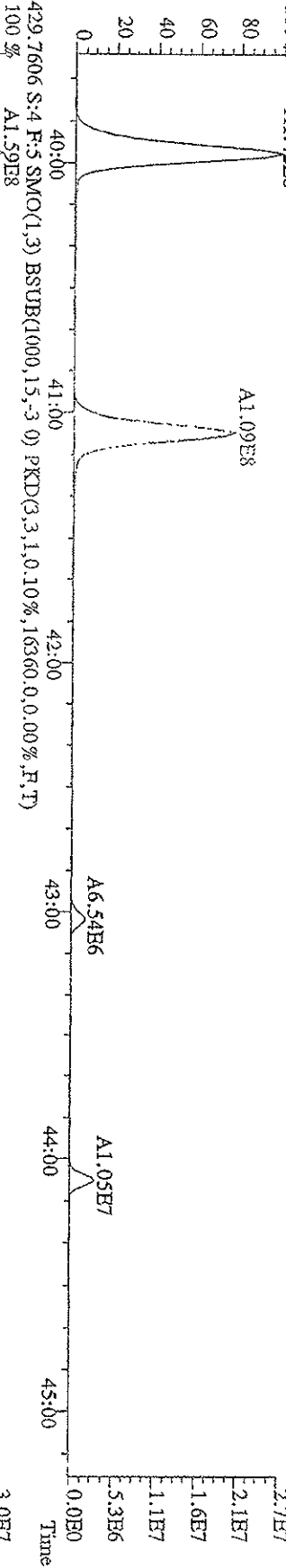


File:151A09D9D5 #1-395 Acq:15-JAN-2009 22:59:23 GC EI + Voltage SIR Autospec-Ultimate

Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5



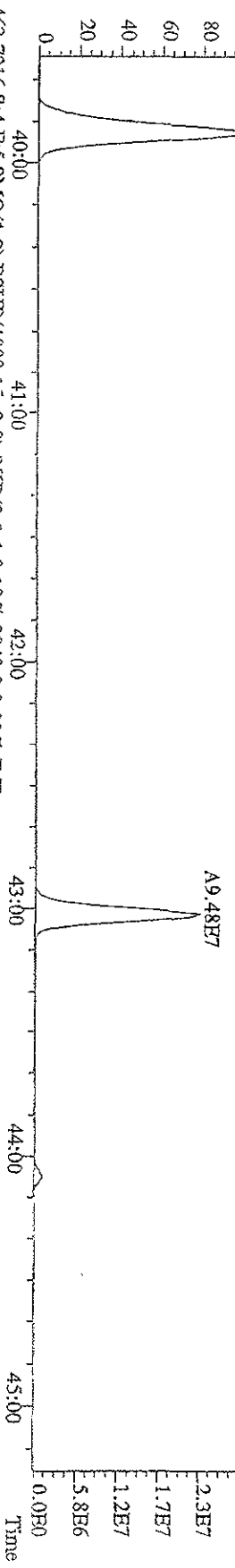
File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC FI+ Voltage SIF Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 427.7635 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,18184,0,0.00%,F,T)  
 100% A1.42E8



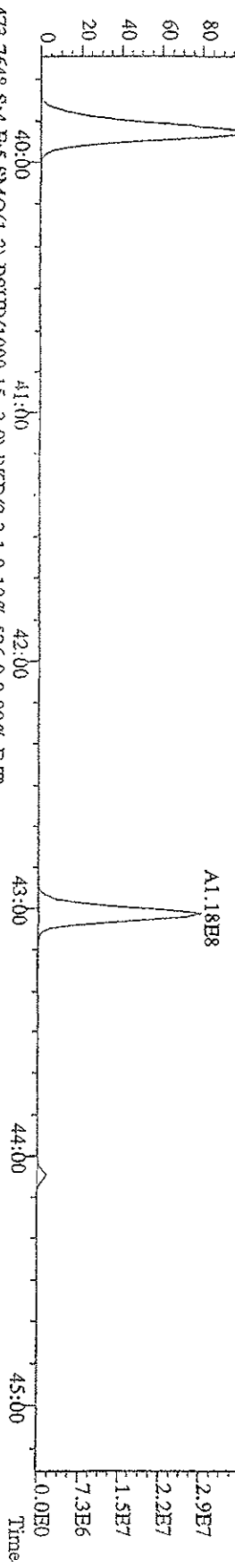
File: 151A09D9D5 #1-378 Acq: 15-JAN-2009 22:59:23 GC EI + Voltage SIR Autospec-UltimaE

Sample#4 Text:ST0115C :CS4 09DXN1017 Exp: 209DB5

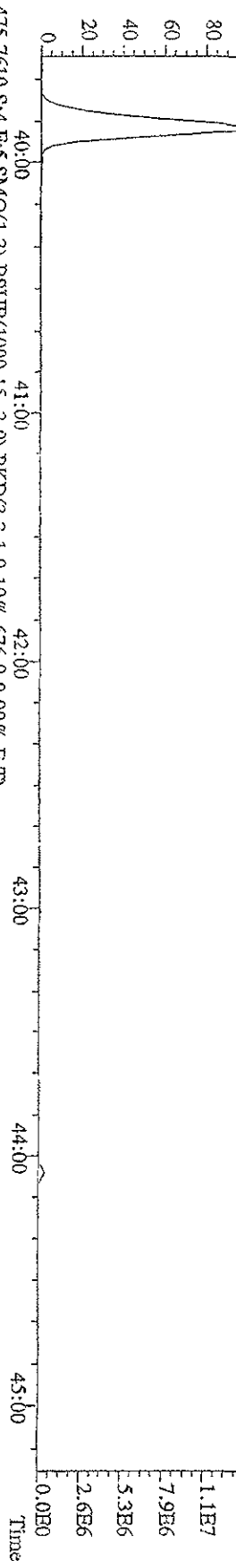
461.7245 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1952,0,0,00%,F,T) 100% A1.50E8



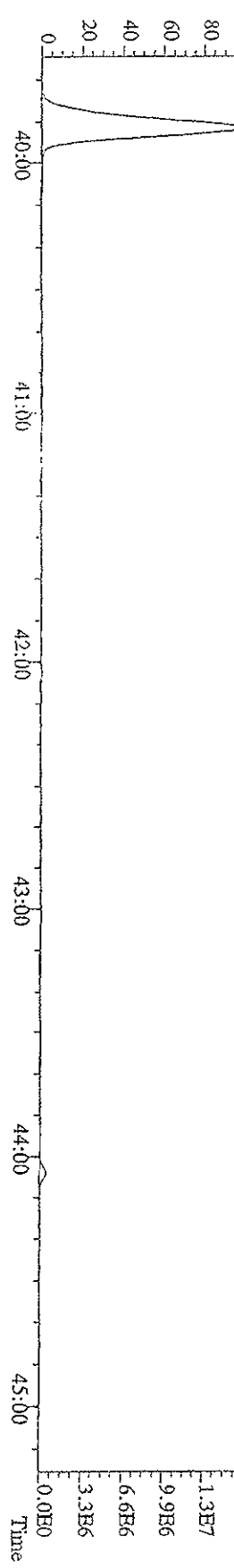
463.7216 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2048,0,0,00%,F,T) 100% A1.89E8



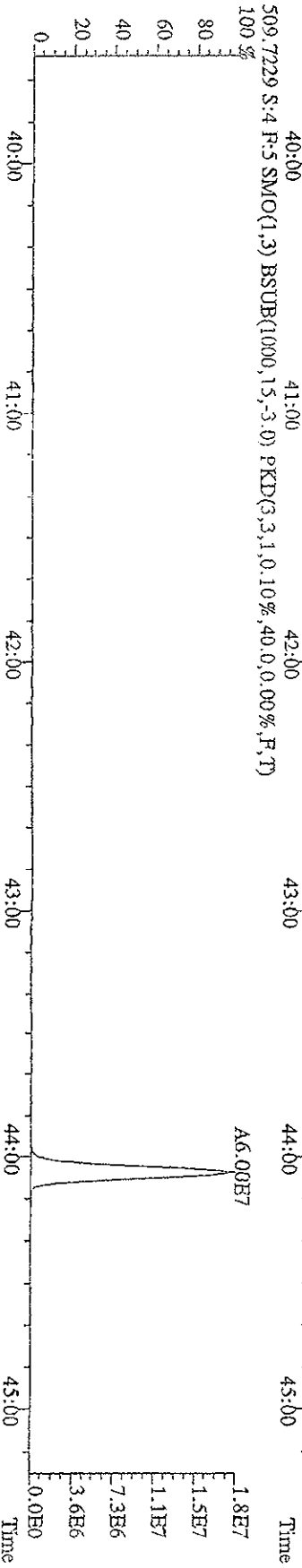
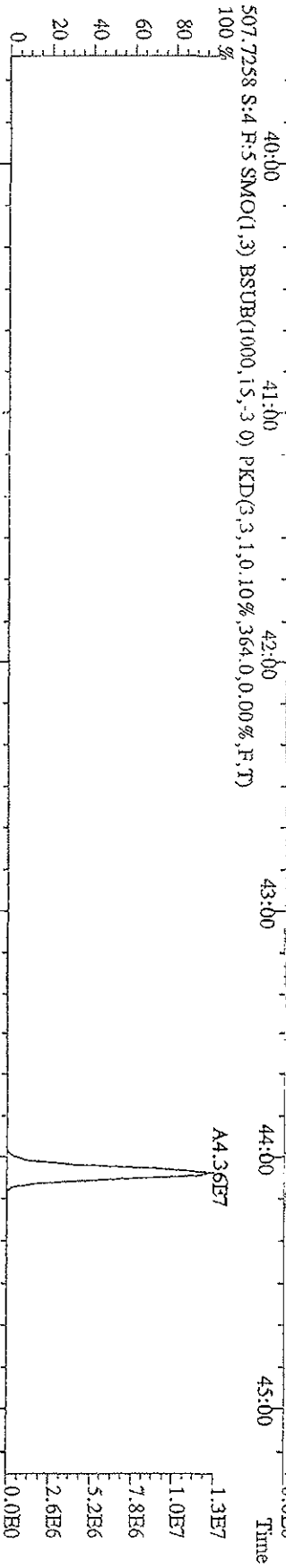
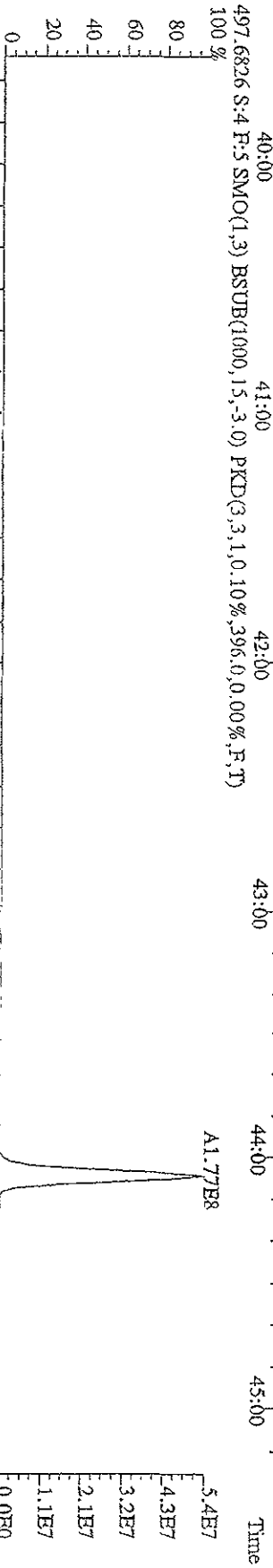
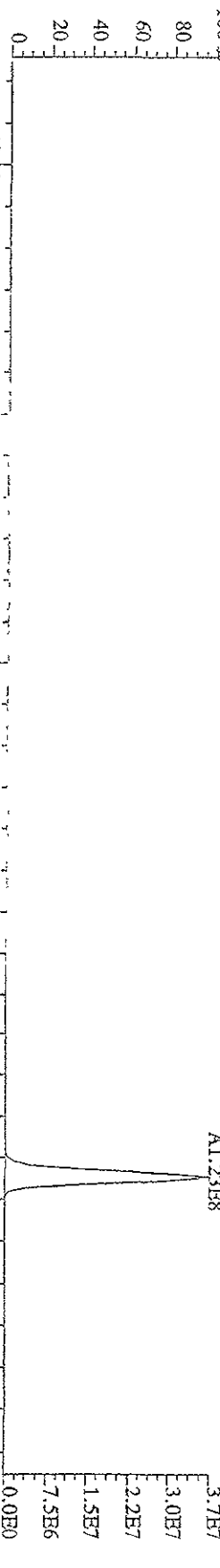
473.7648 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,536,0,0,00%,F,T) 100% A6.79E7



475.7619 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,676,0,0,00%,F,T) 100% A8.47E7

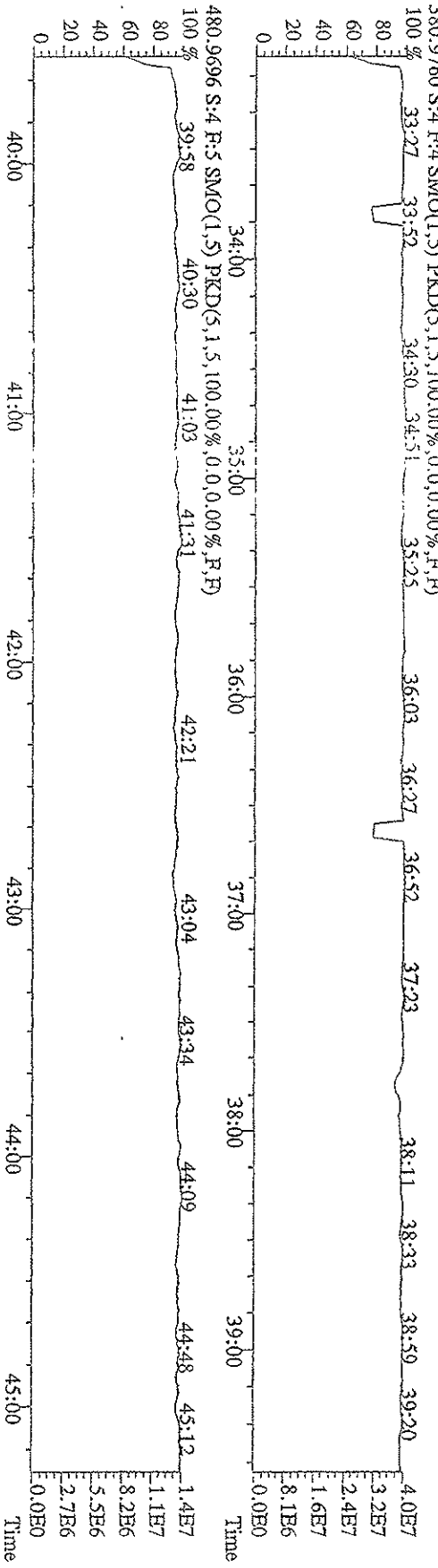
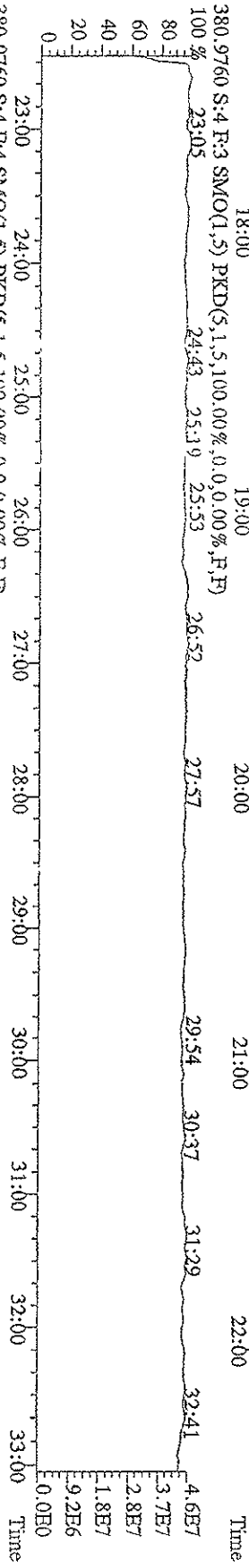
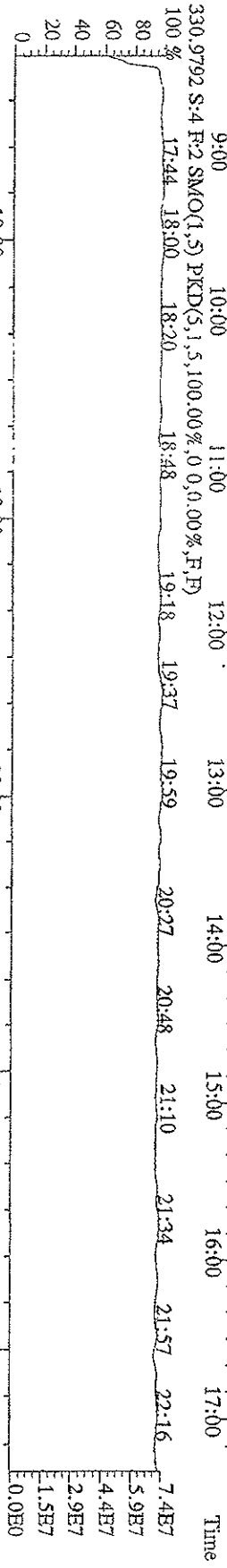
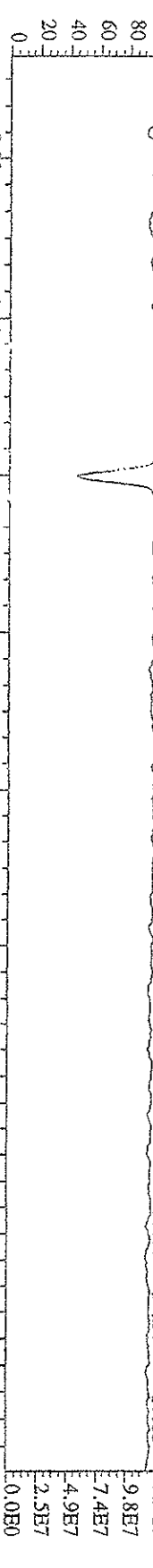


File:151A09D9D5 #1-378 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage:5kV Autospec-Ultimate  
 Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5  
 495.6856 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,408.0,0.00%,F,T)

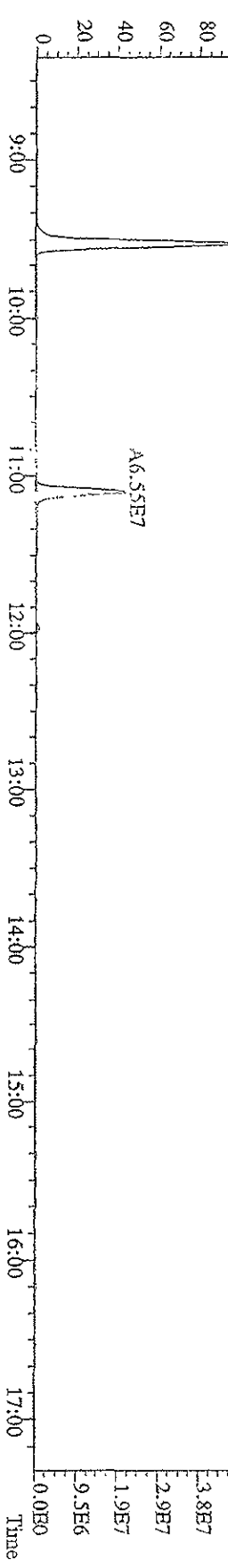
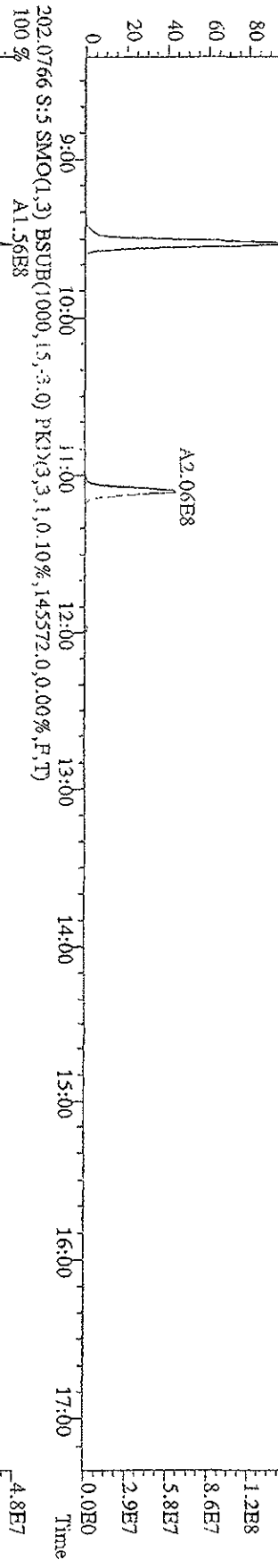
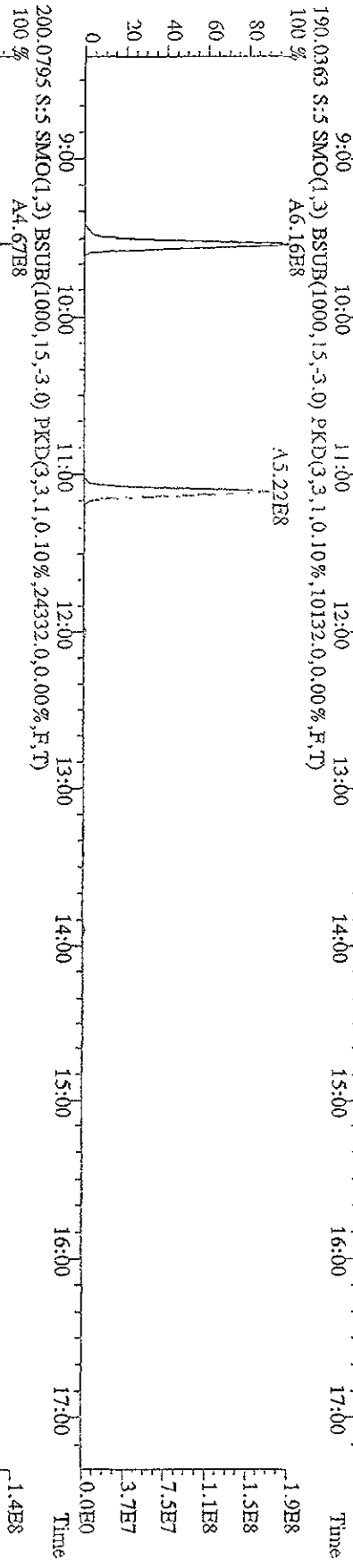
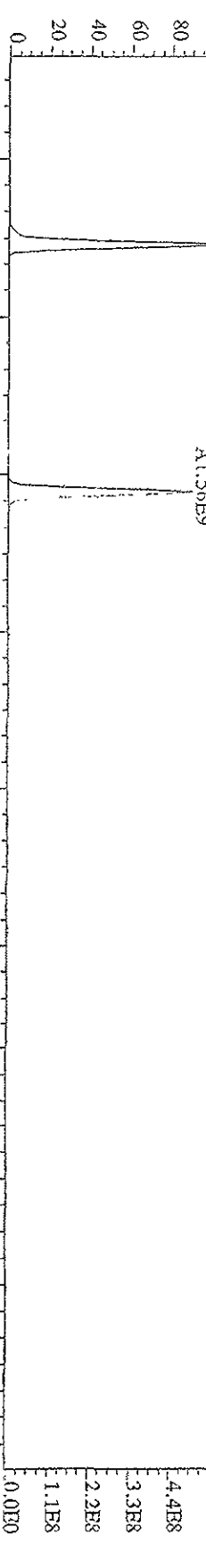


File:151A09D9D5 #1-609 Acq:15-JAN-2009 22:59:23 GC EI+ Voltage S1R Autospec-Ultimat

Sample#4 Text:ST0115C :CS4 09DXN017 Exp:209DB5

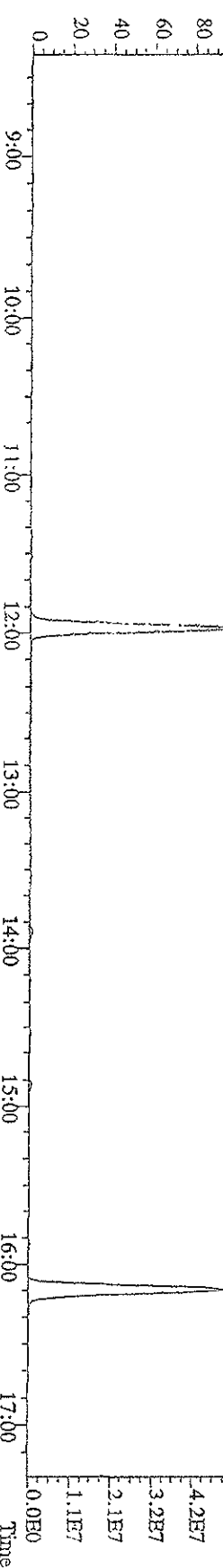
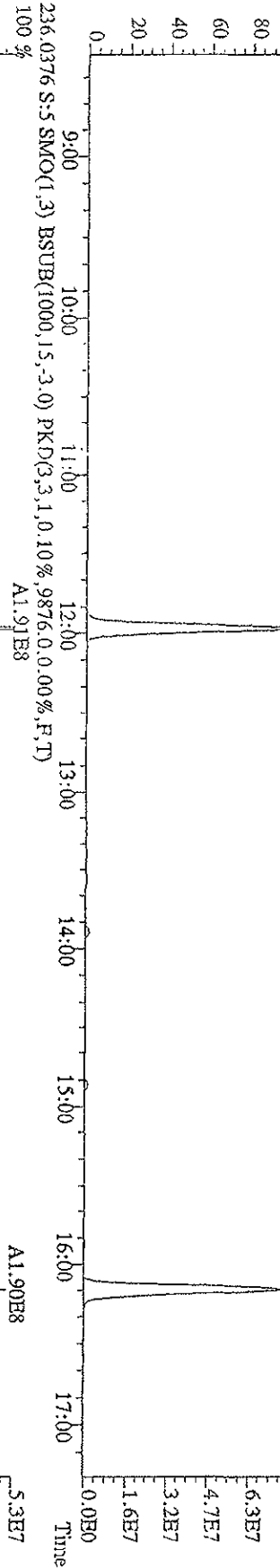
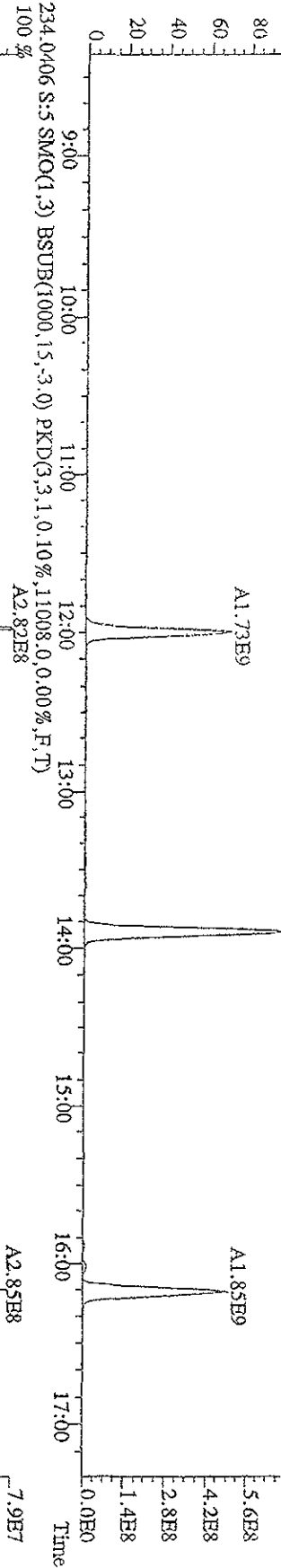
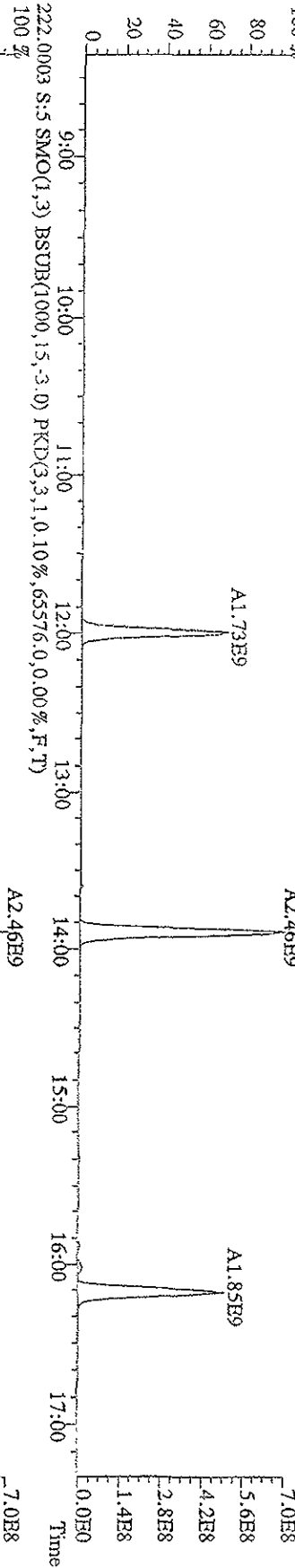


File: 151A09DD5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UHmah  
 Sample#5 Text:ST015D :CSS 09DXND18 Exp:209DB5  
 188.0393 S:5 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,20796,0,0,00%,F,T)

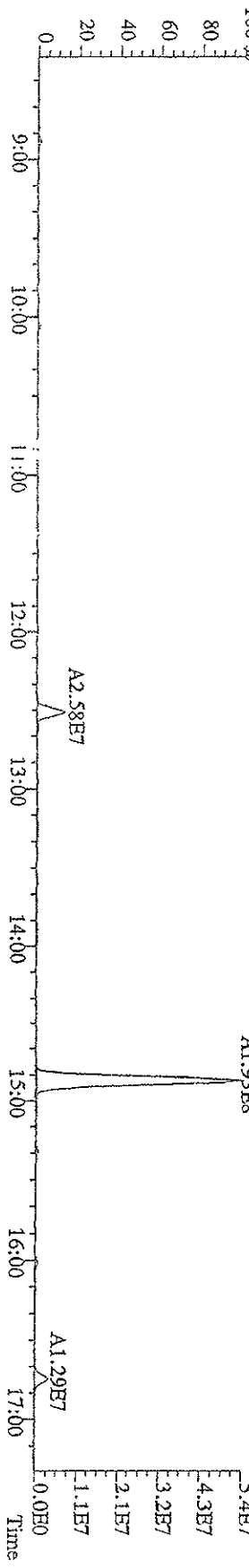
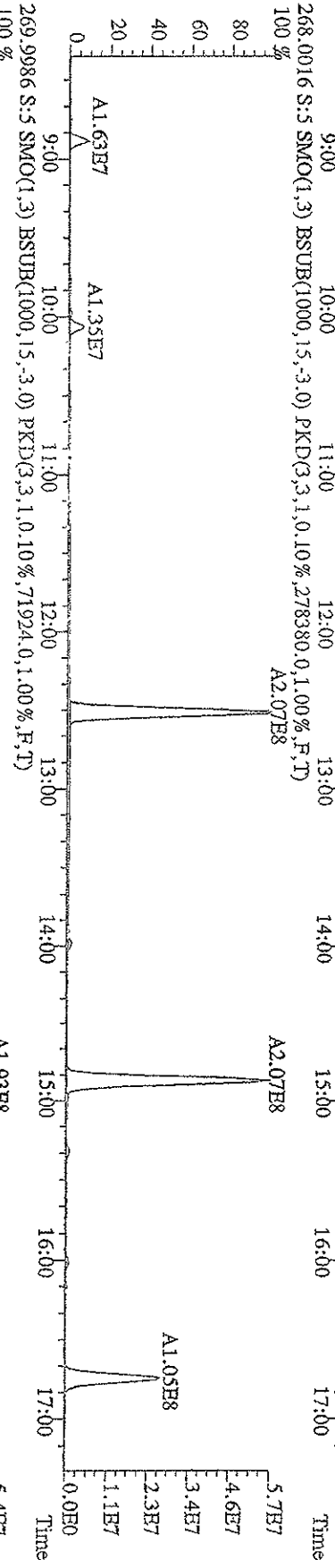
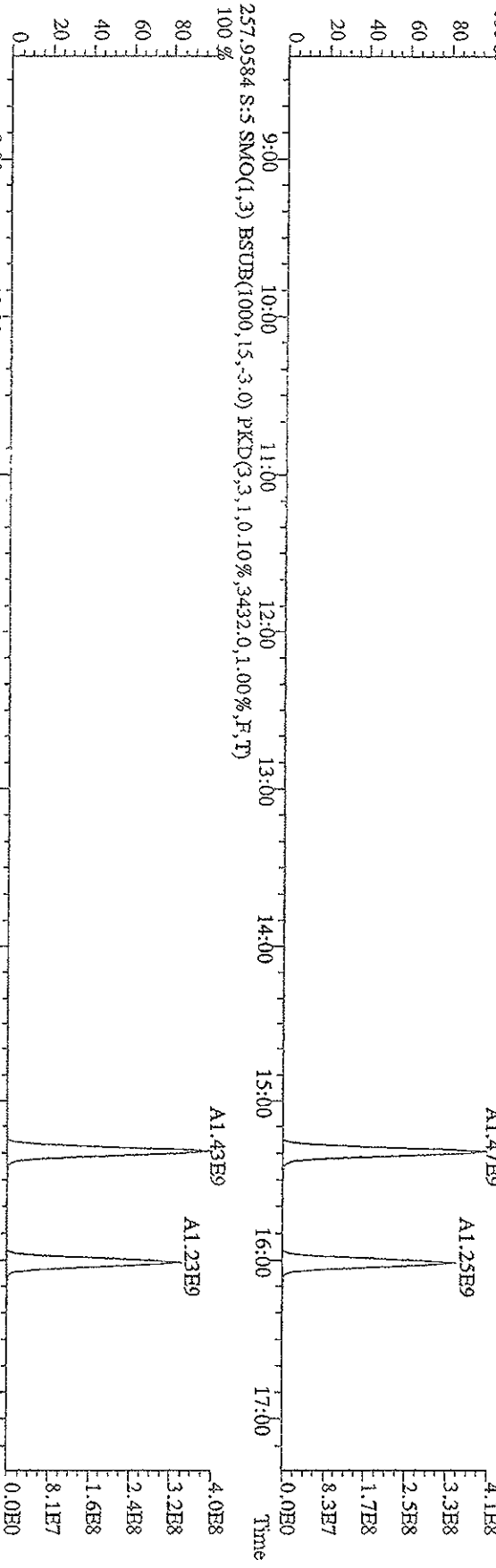




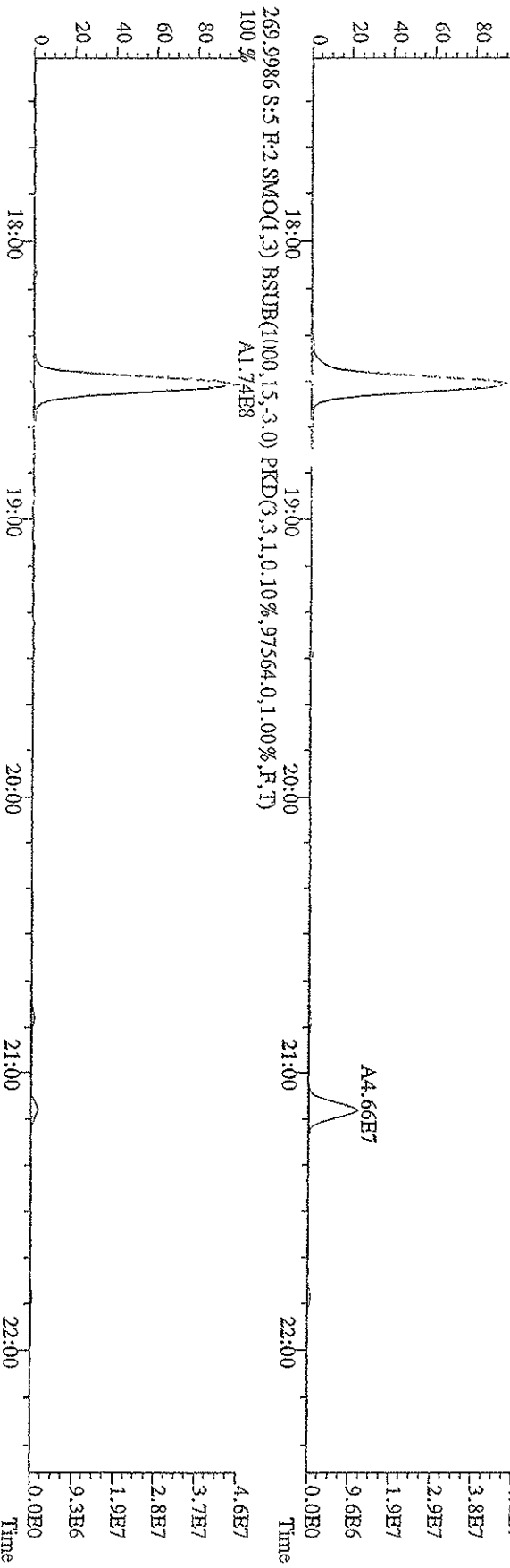
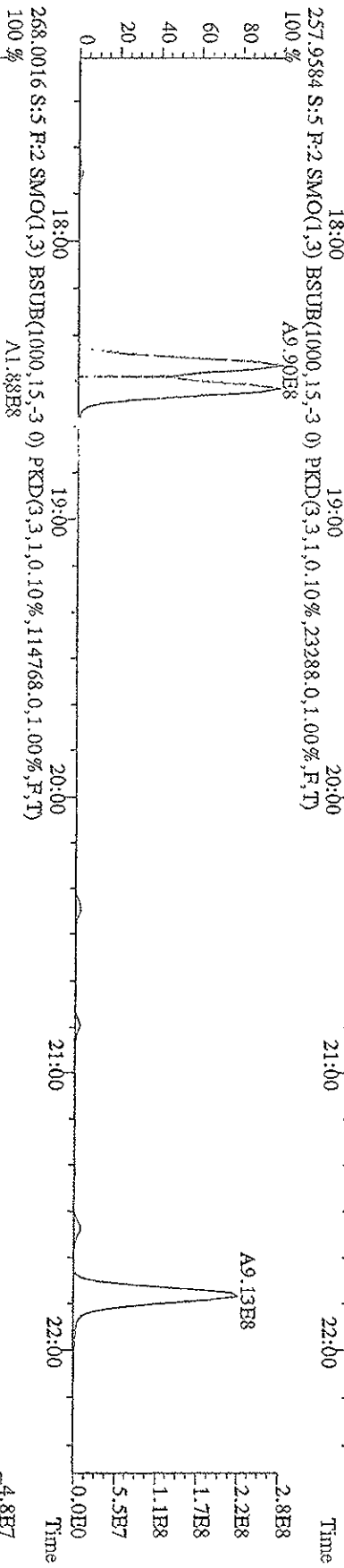
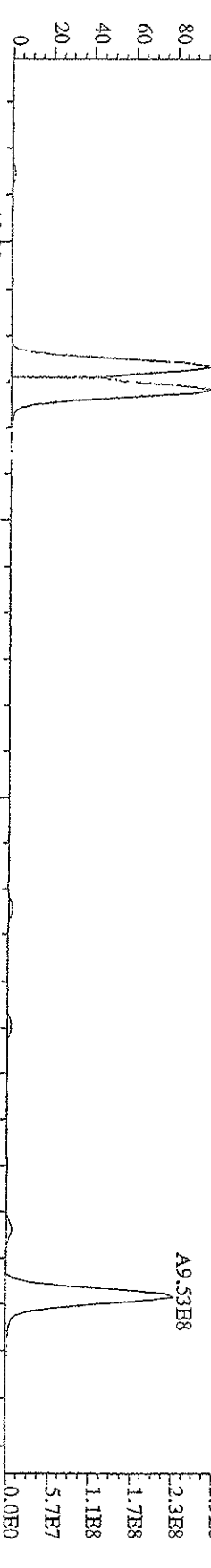
File:15IA09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UltimaF  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 222.0003 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,65576,0,0,00%,F,T)



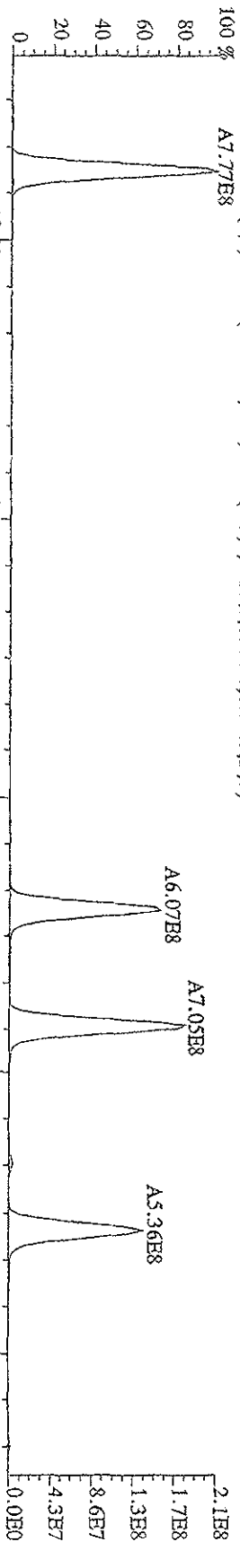
File:151A09D9D5 #1-609 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage S1R Autospec-Ultimat  
 Sample#5 Text:ST0115D :CSS 09DXN018 Exp:209DB5  
 255.9613 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,6440.0,1.00%,F,T)



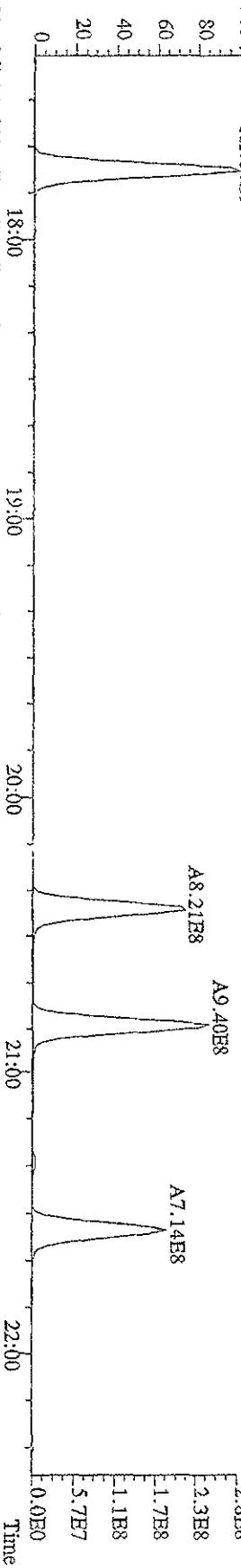
File: 151A09DD9D5 #1-371 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#5 Text: ST0115D :CS5 09DXN018 Exp: 209DB5  
 257.9584 S:5 F:2 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,23288,0,1,00%,F,T)  
 100% A1.02E9



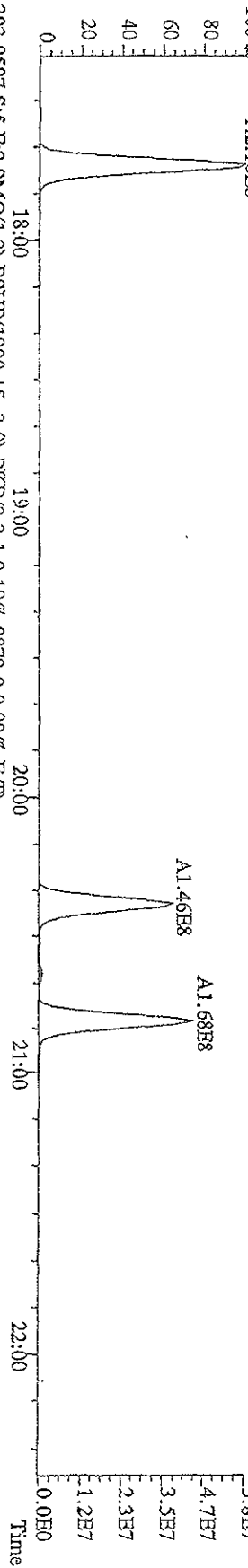
File:151A09DD9D5 #1-371 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage 51K Autospec-Ultimate  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 289.9224 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,6504,0,0.00%,F,T)  
 100 % A7.77E8



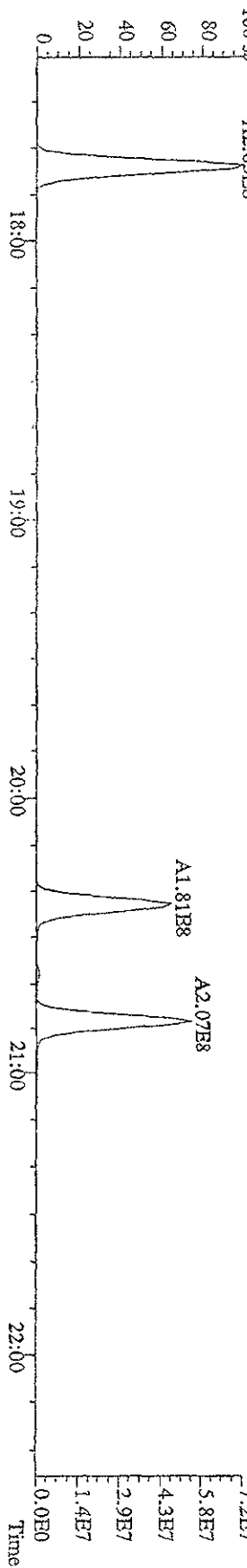
291.9194 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,7860,0,0.00%,F,T)  
 100 % A1.04E9



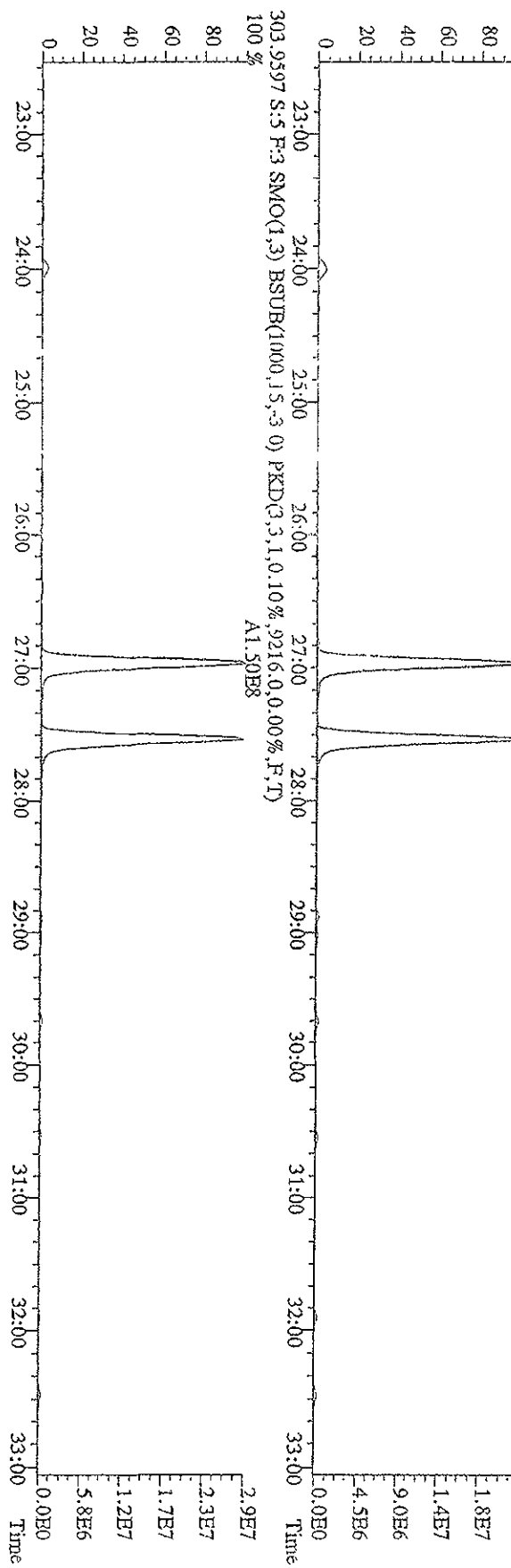
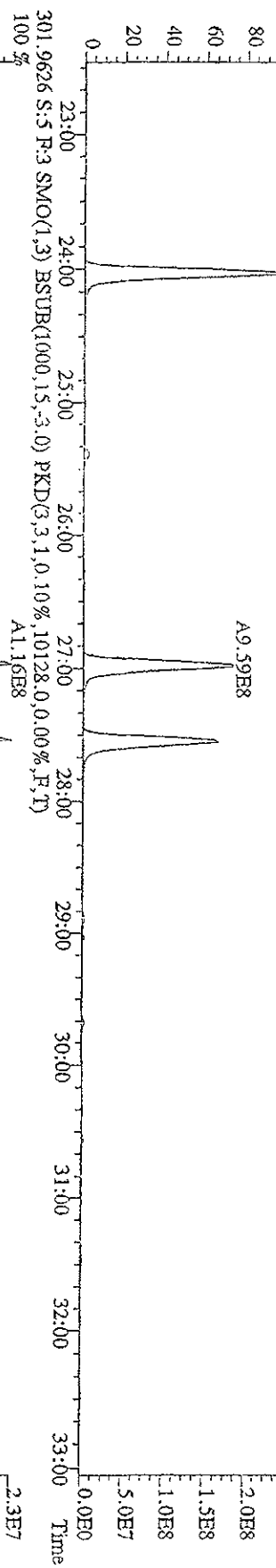
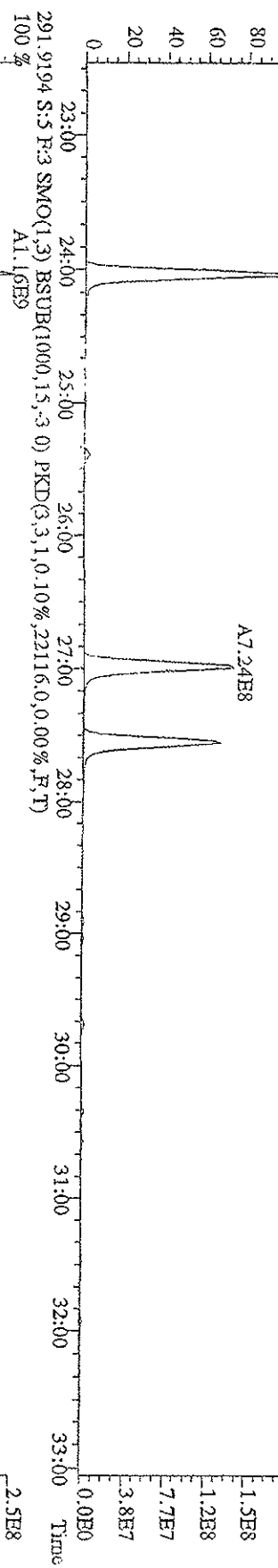
301.9636 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,8692,0,0.00%,F,T)  
 100 % A2.16E8



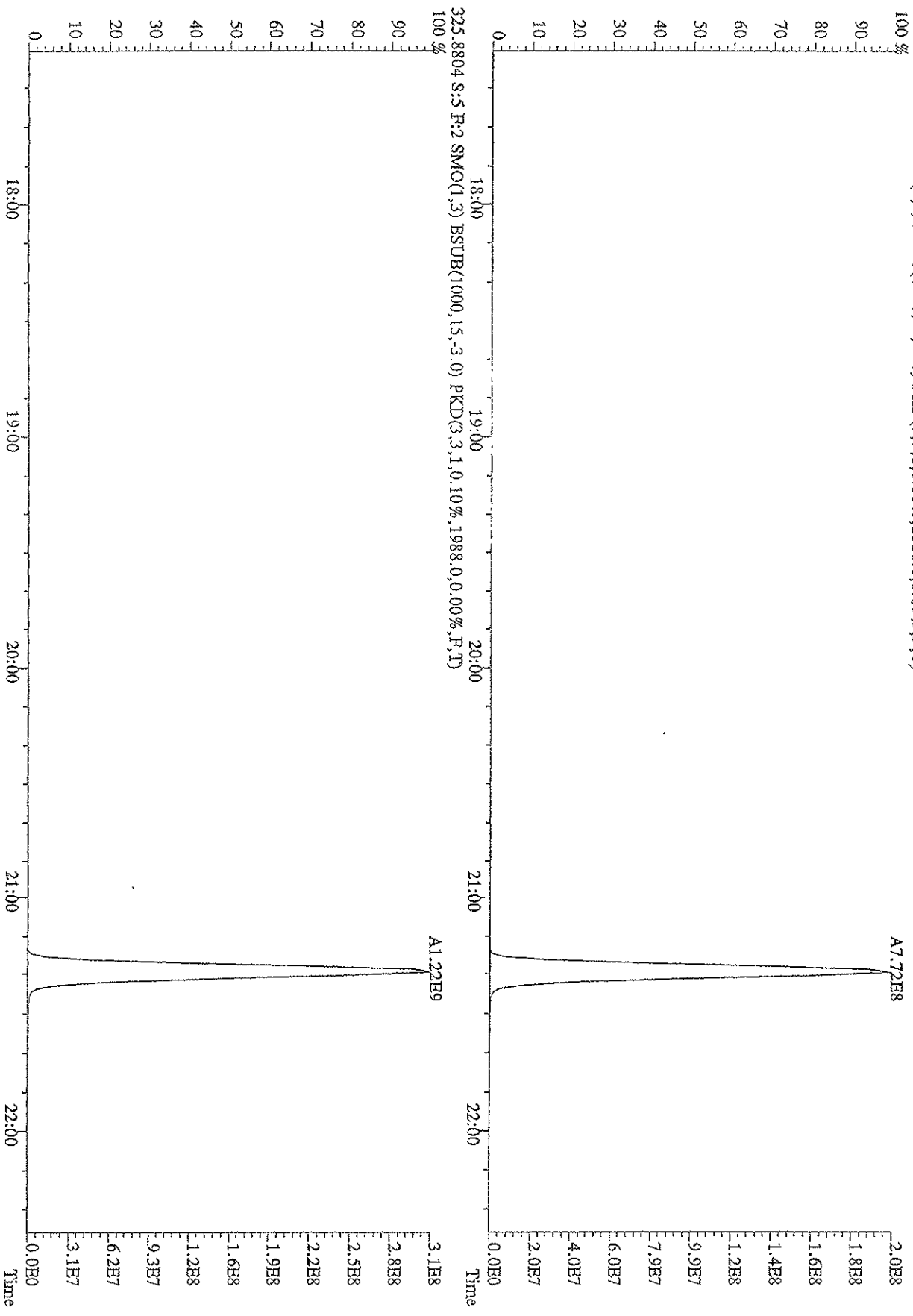
303.9597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,8872,0,0.00%,F,T)  
 100 % A2.65E8



File: 151A09D9D5 #1-597 Acq: 15-JAN-2009 23:50:45 GC BI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0115D :CS5 09DXN018 Exp:209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3 0) PKD(3,3,1,0,10%,17240,0,0,00%,F,T)  
 100% A8.82E8

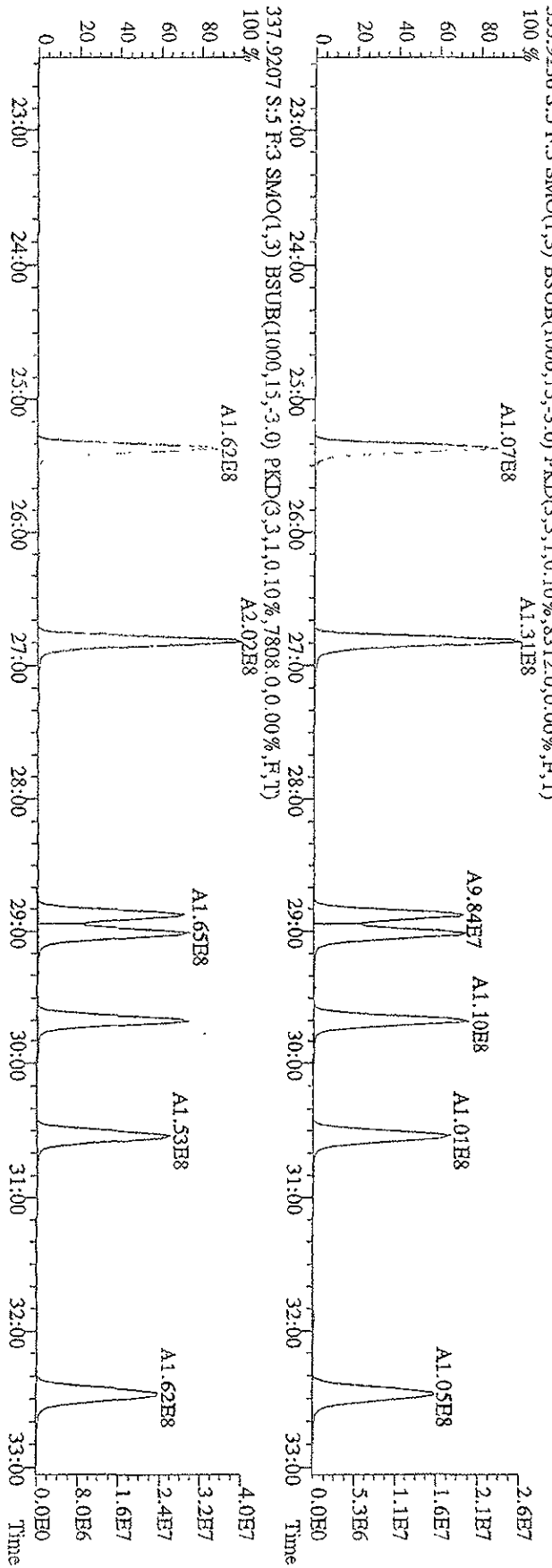
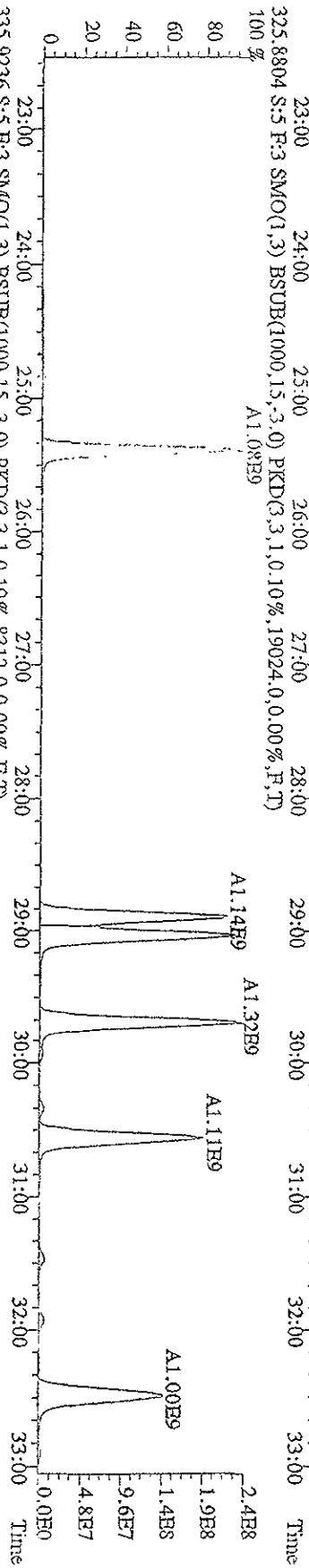
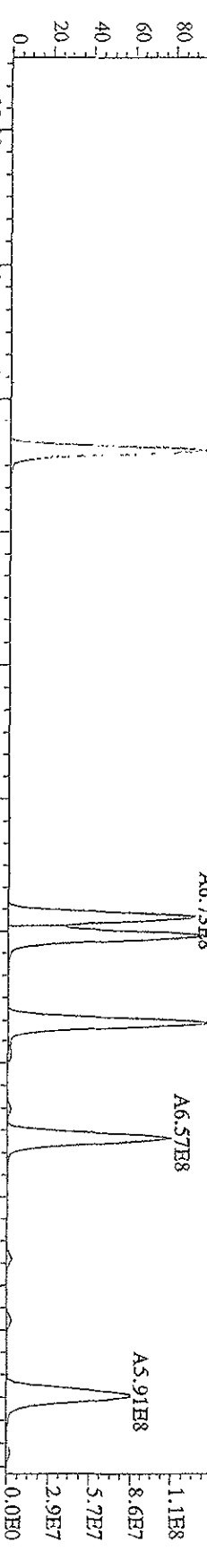


File: 151A09D9D5 #1-371 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Utimab  
Sample#5 Text: ST0115D :CS5 09DXN018 Exp: 209DB5  
323.8834 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2580,0,0,00%,F,T)  
100 %

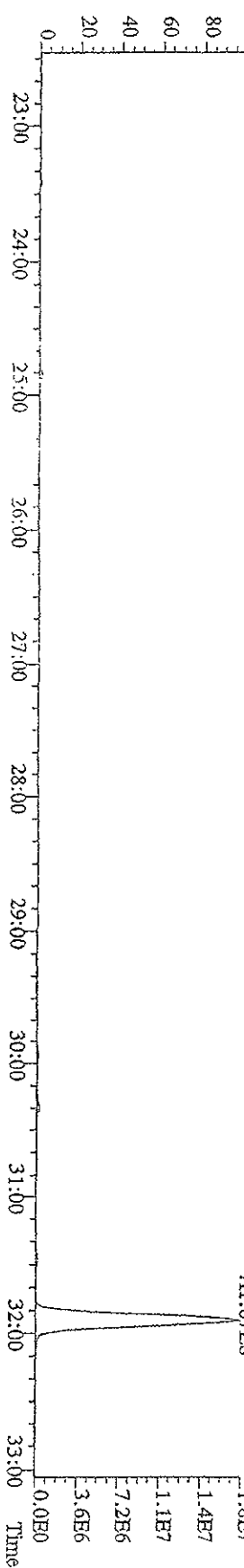
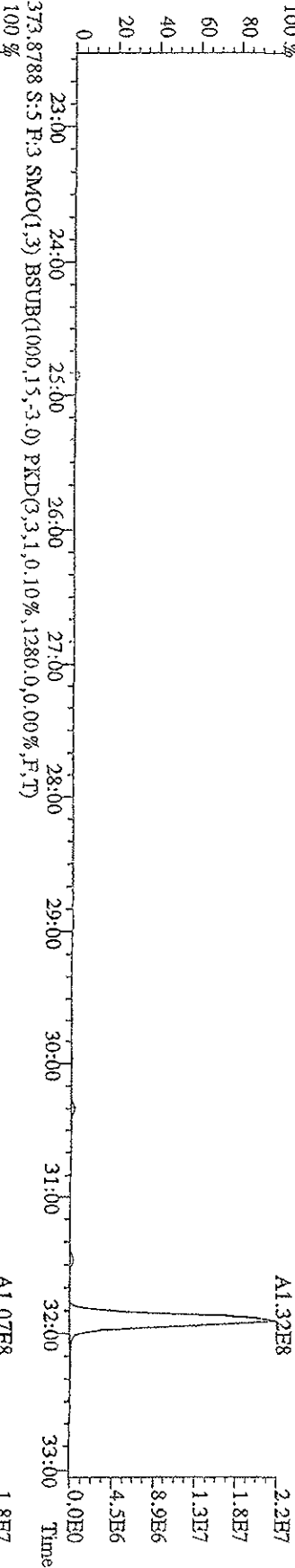
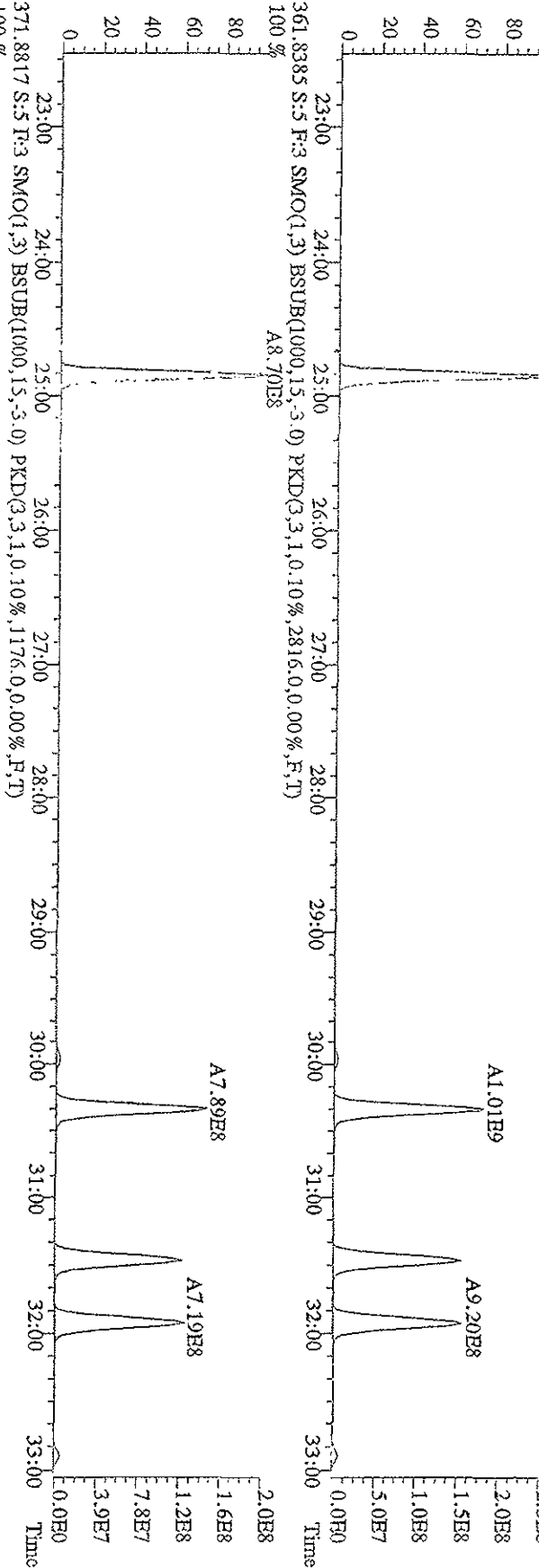


File:151A09D9D5 #1-597 Acq:15-JAN-2009 23:50:45 GC:EI+ Voltage:50V SIR Autospec-UltimaB

Sample#5 Text:ST0115D :CSS 09DXND18 Exp:209DB5



File:151A09D9D5 #1-597 Acq:15-JAN-2009 23:50.45 GC EI+ Voltage 51V Autospec-UltimaE  
 Sample#5 Text:ST0115D -CS5 09DXN018 Exp:209DB5  
 359.8415 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2788,0,0,00%,F,T)  
 100% A1.12E9

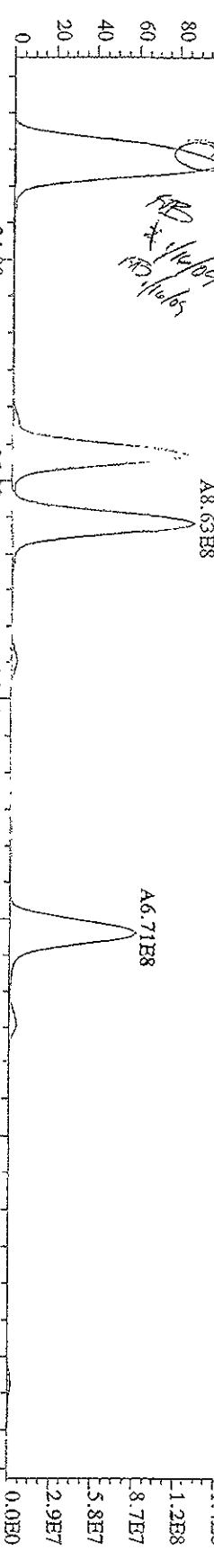




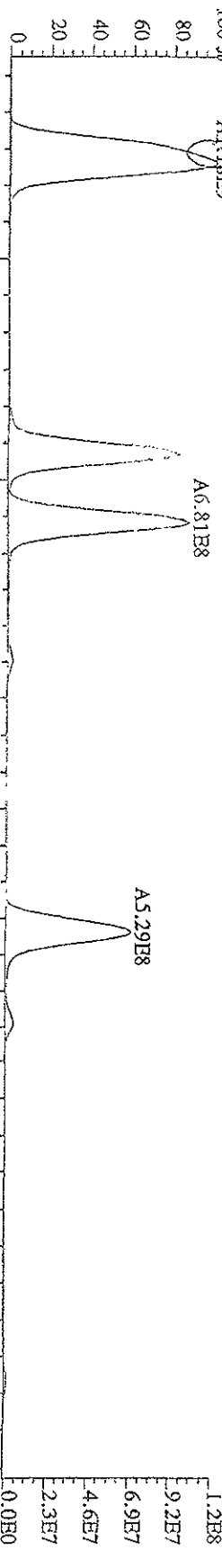
File: 151A09D9D5 #1.395 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage: 19V Autospec-UltimaE

Sample#5 Text: ST0115D :CS5 09DXN018 Exp: 209DB5

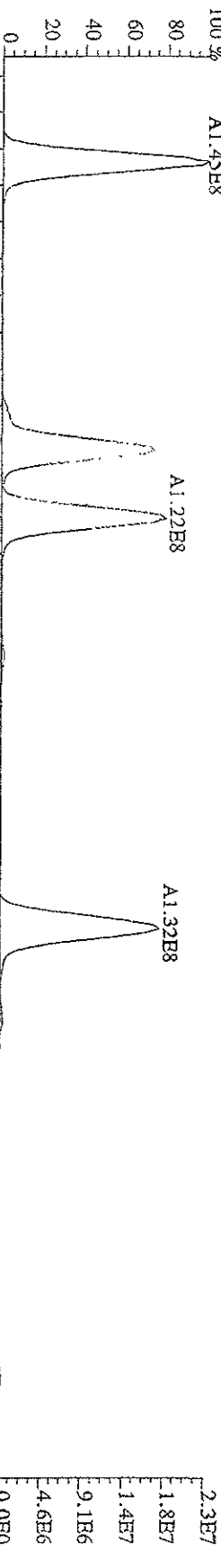
359.8415 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,45220,0,0,00%,F,T)



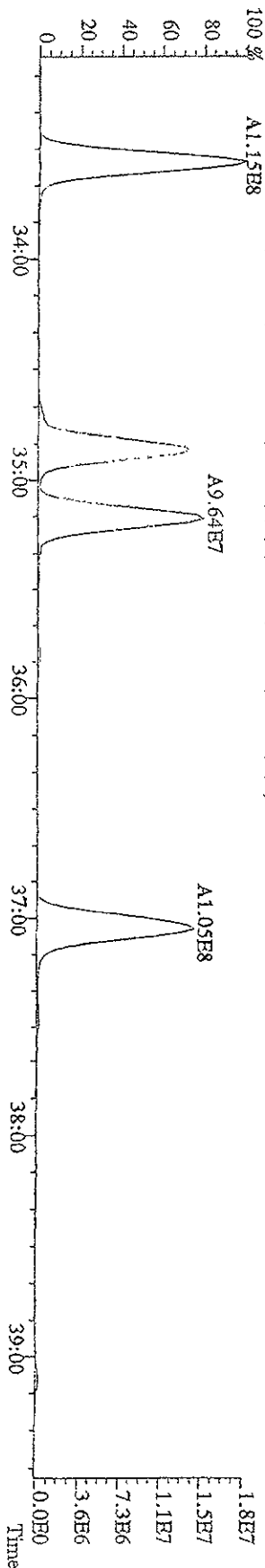
361.8385 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,31724,0,0,00%,F,T)



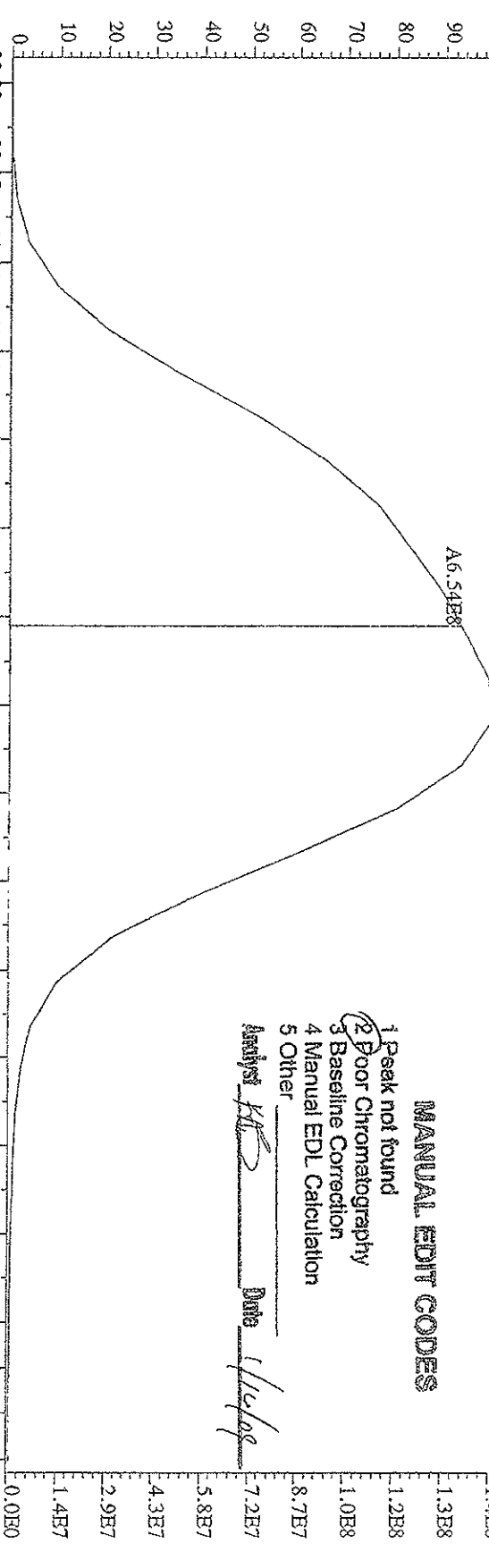
371.8817 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5004,0,0,00%,F,T)



373.8788 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5716,0,0,00%,F,T)

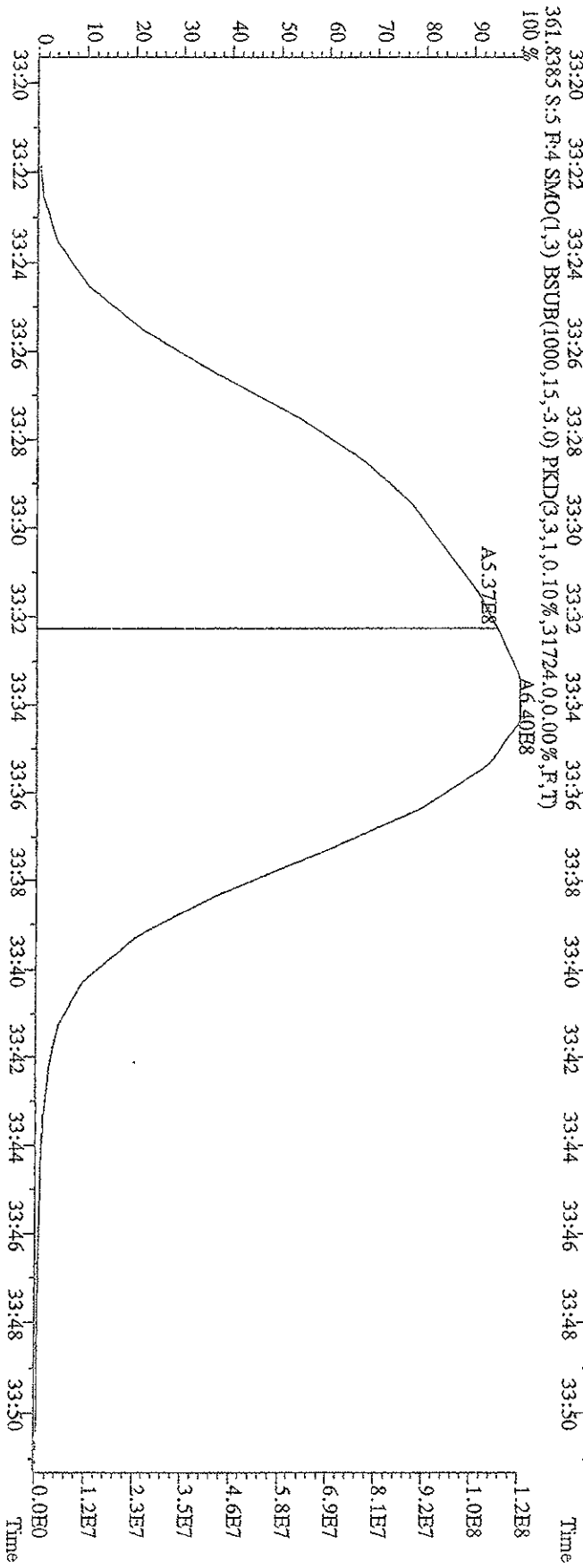


File:151A09D9D5 #1-395 Acq:15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:STD115D :CSS 09DXN018 Exp:209DB5  
 359.8#15 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,45220.0,0.00%,F,T)  
 100%

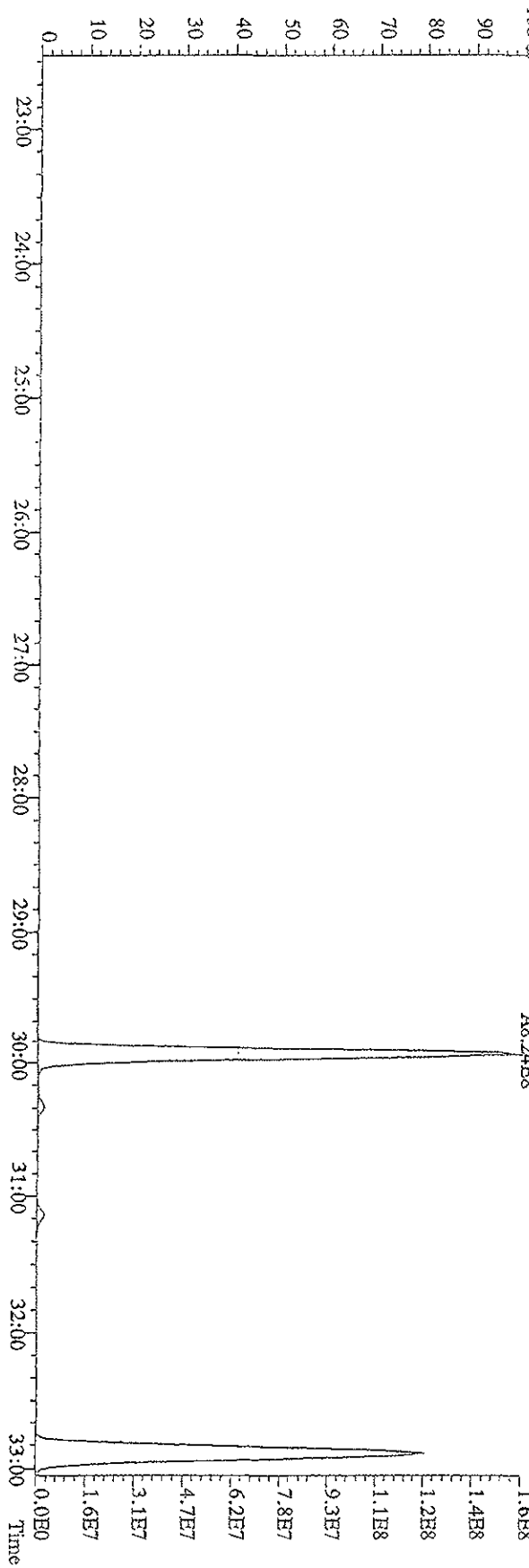
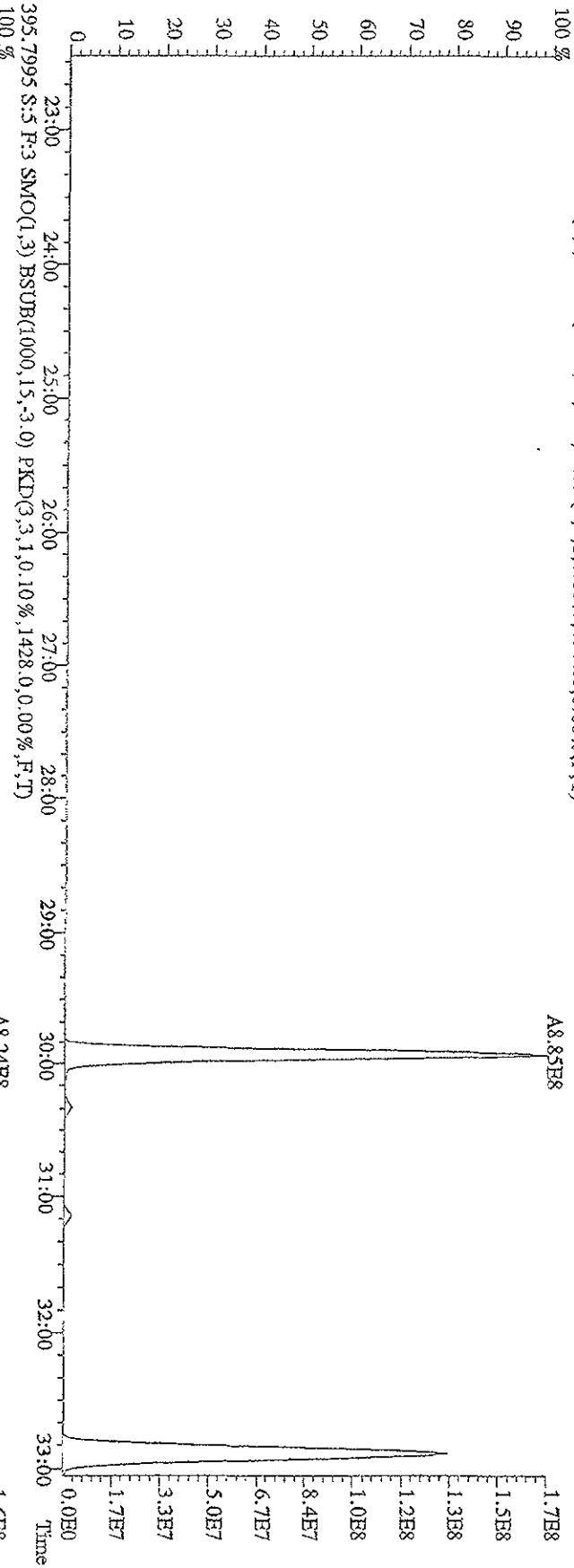


**MANUAL EDIT CODES**

- 1 Peak not found
  - 2  Poor Chromatography
  - 3 Baseline Correction
  - 4 Manual EDL Calculation
  - 5 Other
- Analyst HTB Date 1/16/09

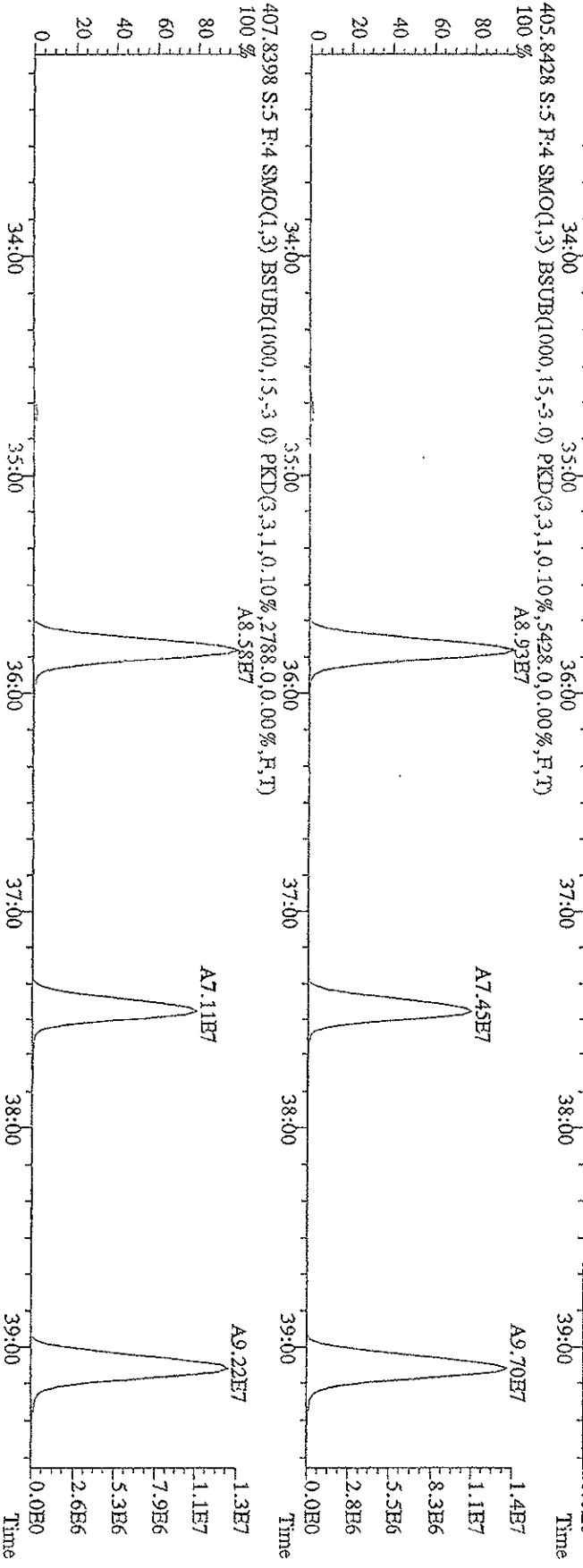
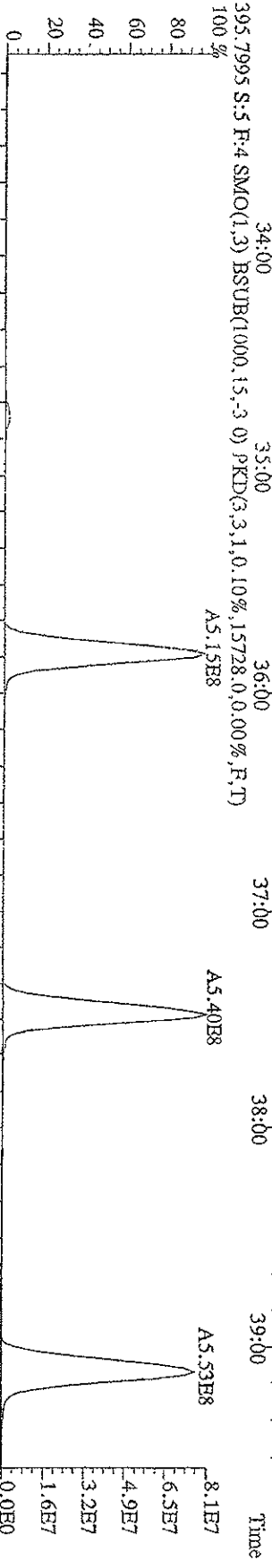
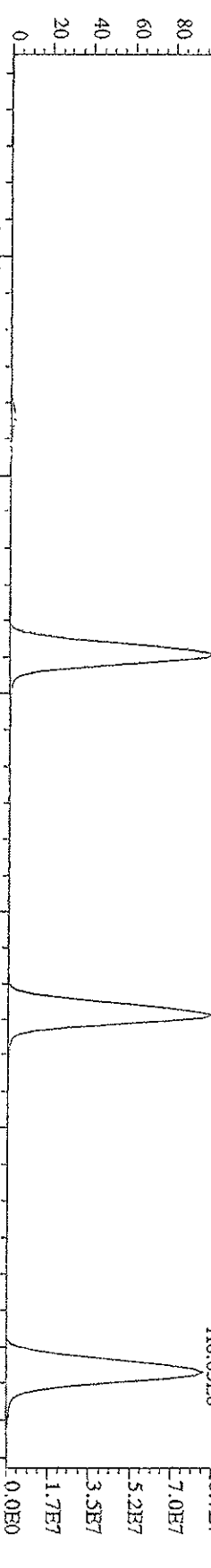


Title: 151A09D9D5 #1-597 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST0115D :CS5 09DXN018 Exp: 209DB5  
 393.8025 S:5 F:3 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,3,1,0,10%,4844.0,0.00%,F,T)  
 100 %

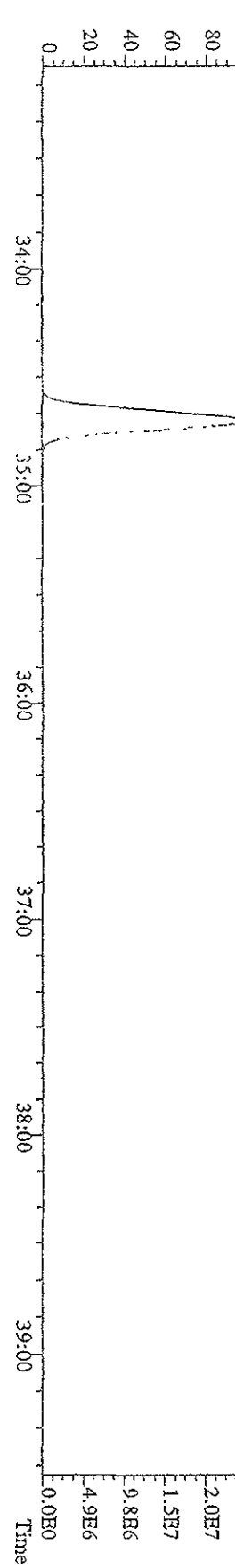
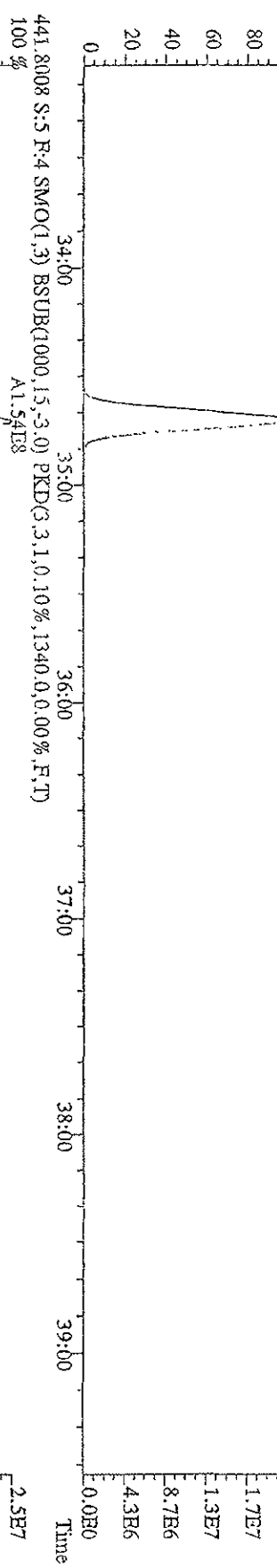
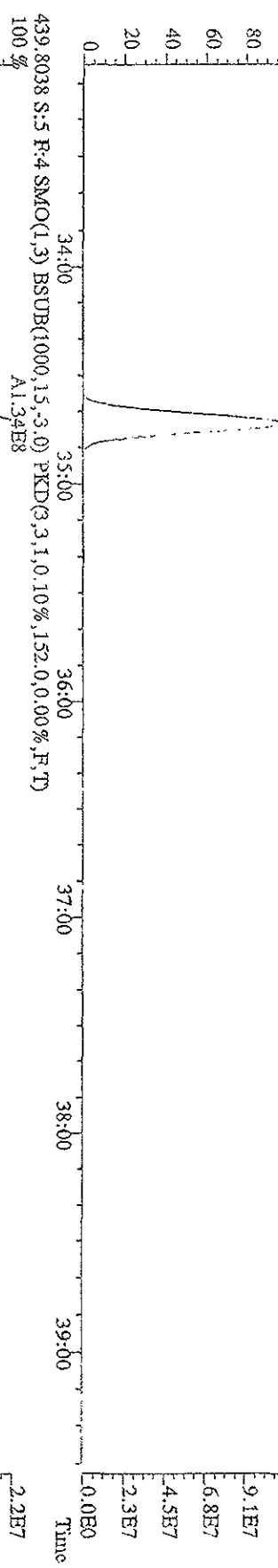
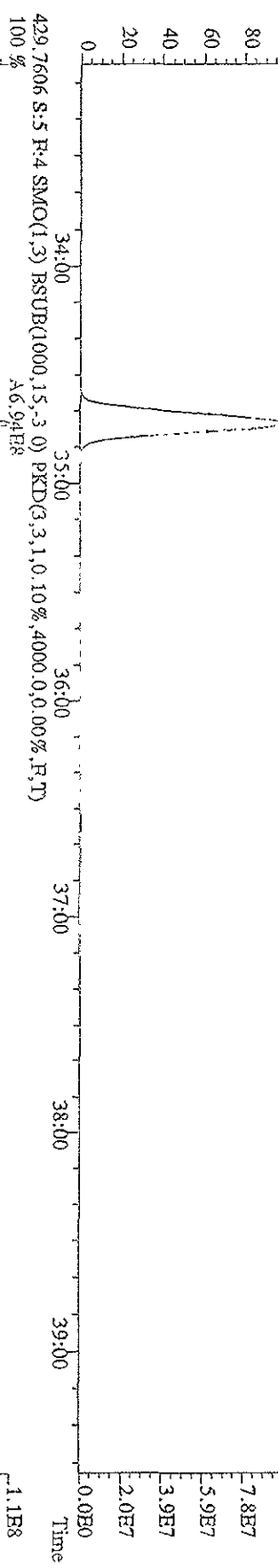


File: 151A09D9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-Ultimate

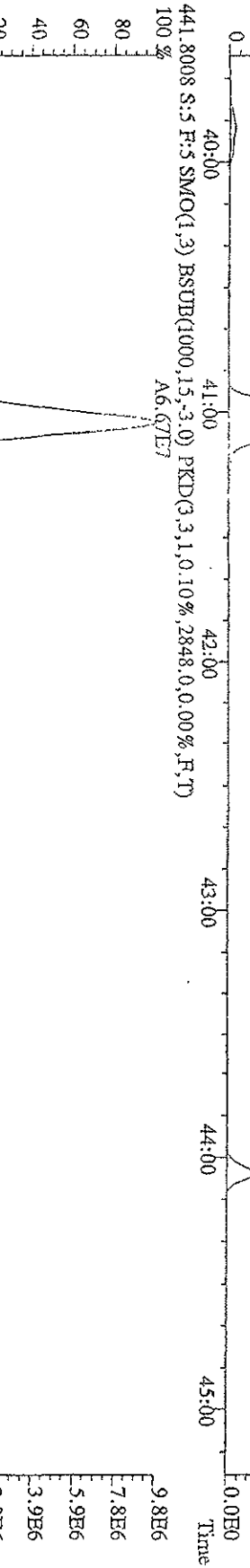
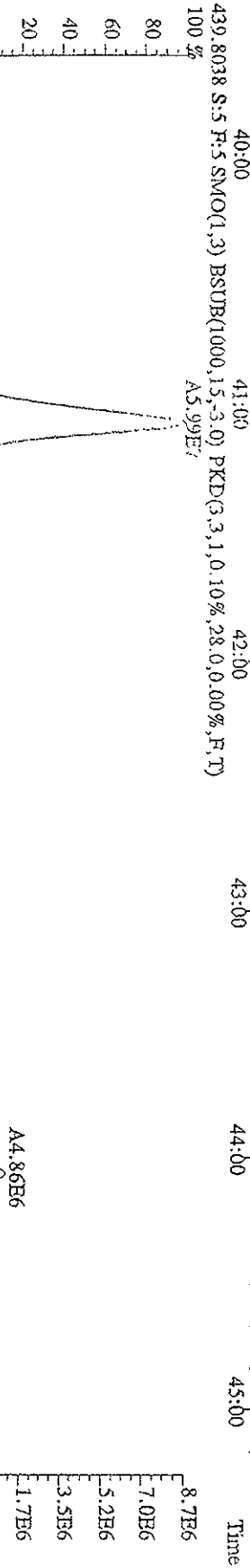
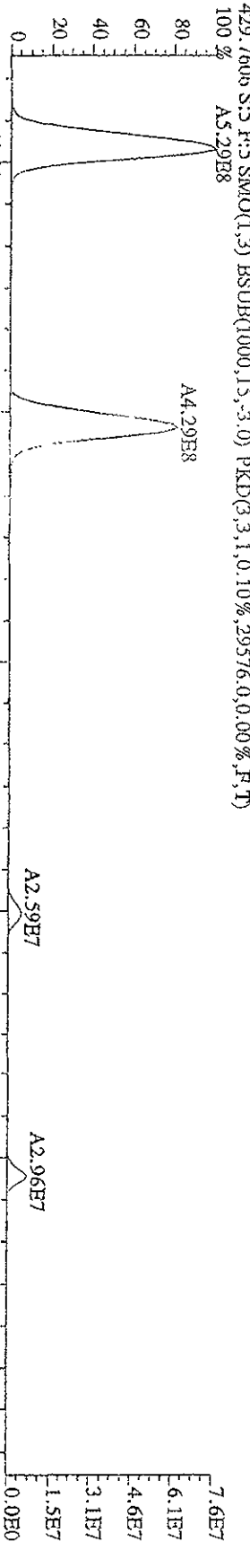
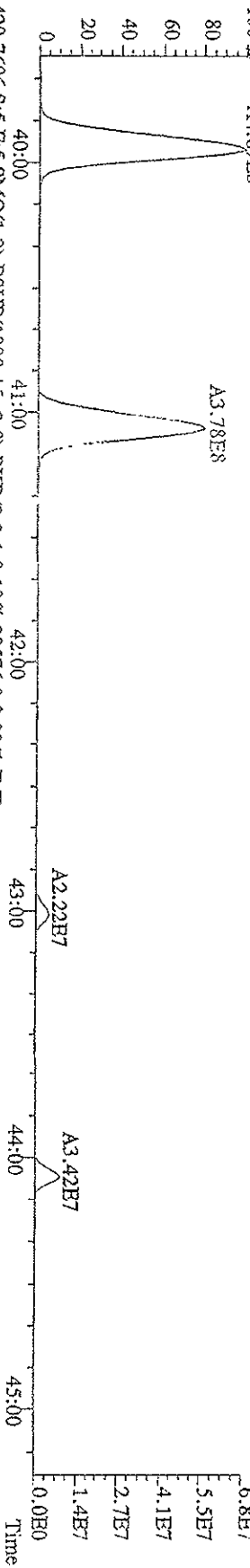
Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5



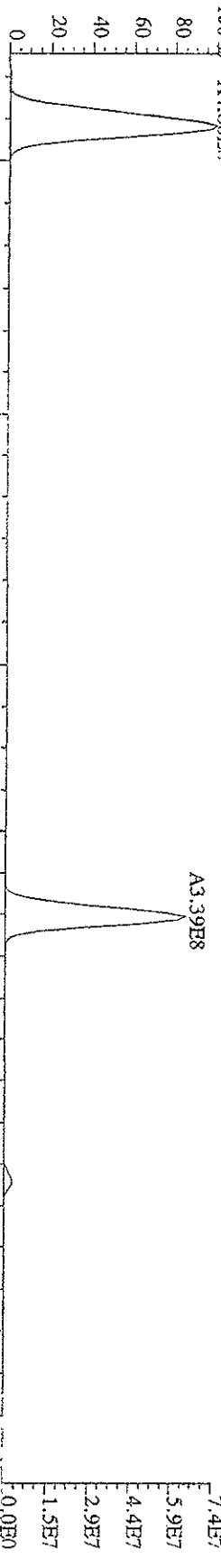
File: I:\SI\A09D9D5 #1-395 Acq: 15-JAN-2009 23:50:45 GC FI+ Voltage STR Autospec-Ultimate  
 Sample#5 Text: ST011SD : CSS 09DXN018 Exp: 209DB5  
 427.7635 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1488.0,0.00%,F,T)  
 100% A6.05E8



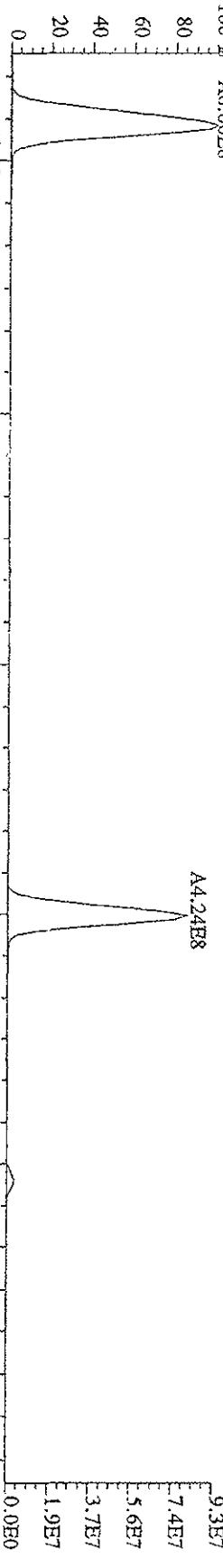
Title: 15JAO9D9D5 #1-378 Acq: 15-JAN-2009 23:50:45 GC: EI+ Voltage: SIR Autospec: Ultimate  
 Sample#5 Text: STD115D :CSS 09DXN018 Exp: 209DB5  
 427.7635 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,32872,0,0,00%,F,T)  
 100% A4.67E8



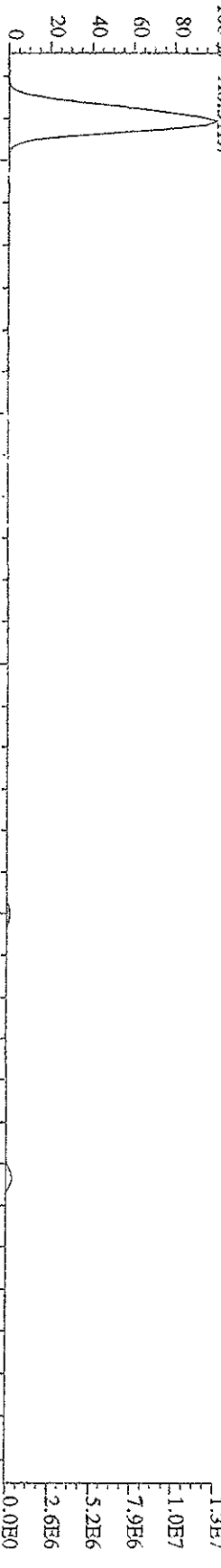
Title: I51A09DD9D5 #1-378 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage SIR Autospec-UHimaB  
 Sample#5 Text: STD115D :CS5 09DXN018 Exp: 209DB5  
 461.7245 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3072,0,0,00%,F,T)  
 100% A4.80E8



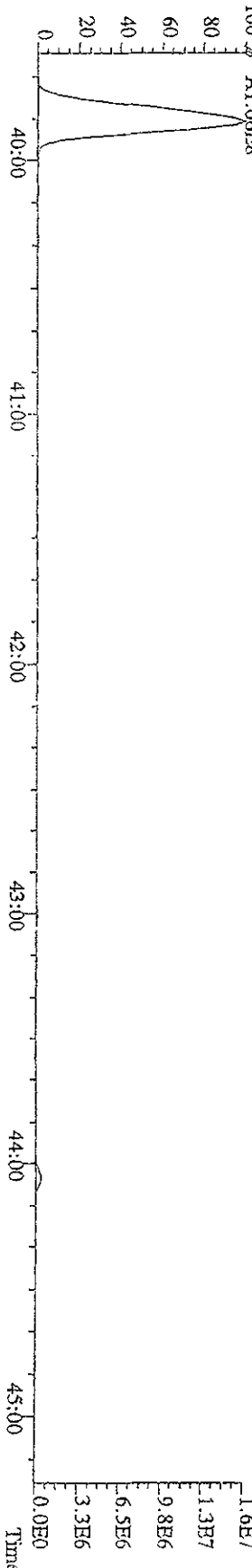
463.7216 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4148,0,0,00%,F,T)  
 100% A6.06E8



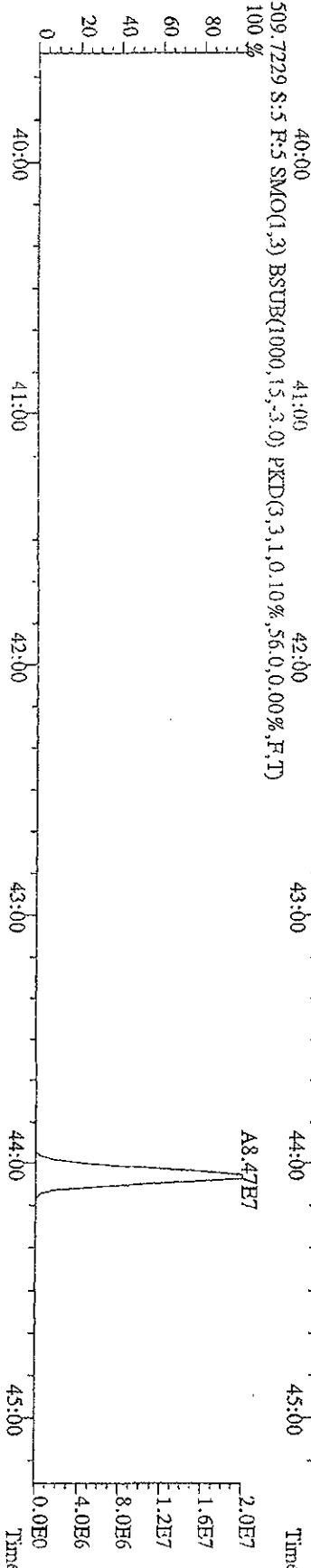
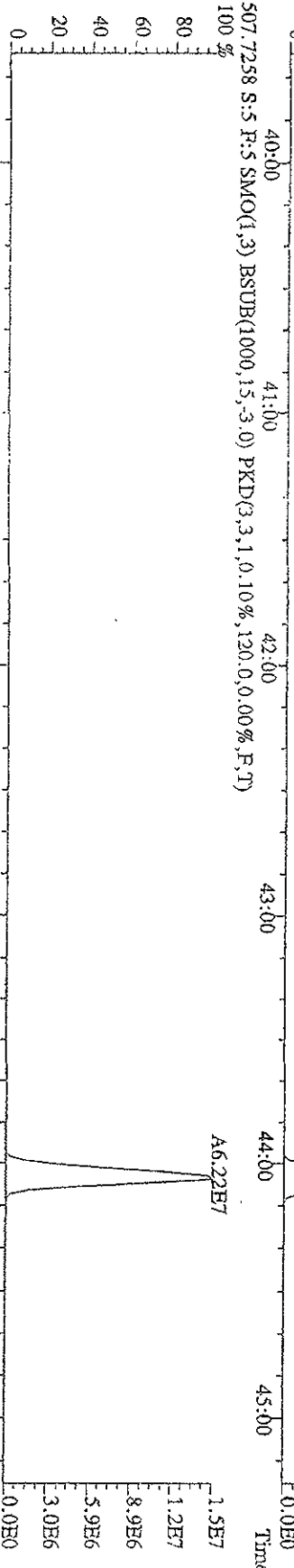
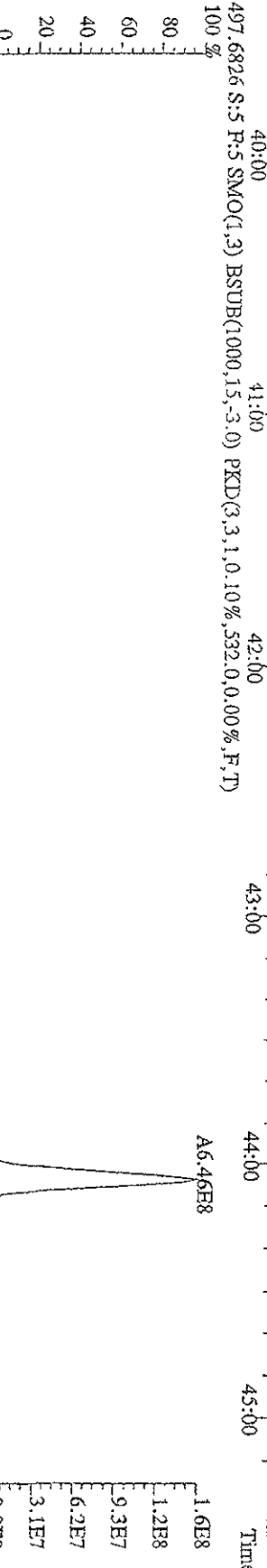
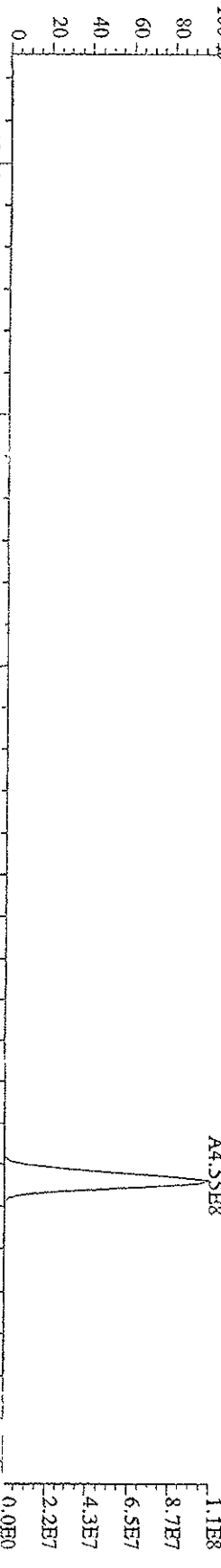
473.7648 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,472,0,0,00%,F,T)  
 100% A8.51E7



475.7619 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,804,0,0,00%,F,T)  
 100% A1.06E8



File: 151A09D9D5 #1-378 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage STR Autospec-UltraAE  
 Sample#5 Text: ST0115D : CSS 09DXN018 Exp: 209DB5  
 495.6856 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,828.0,0.00%,F,T)

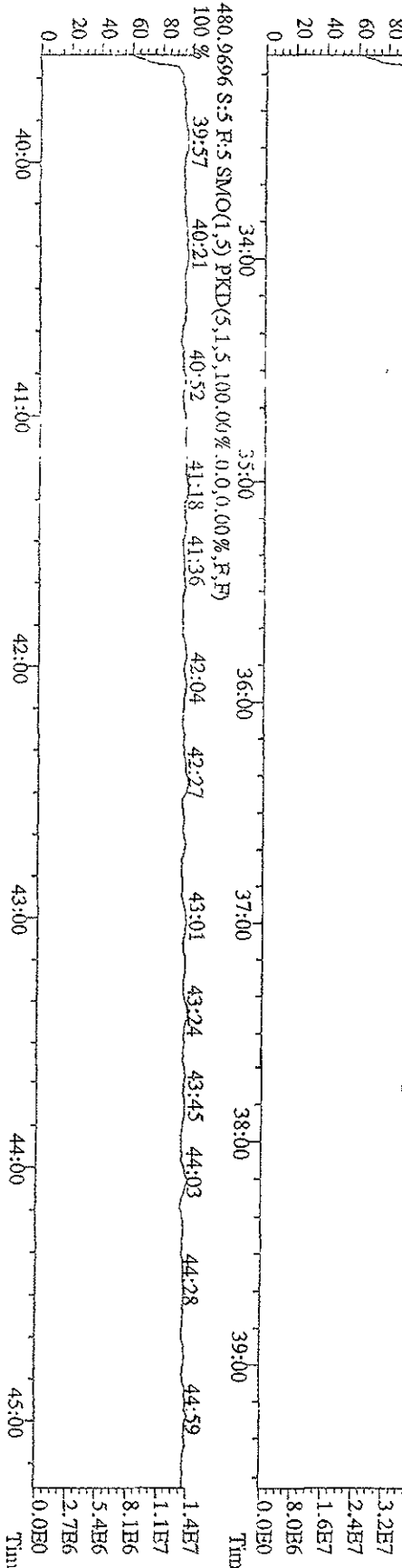
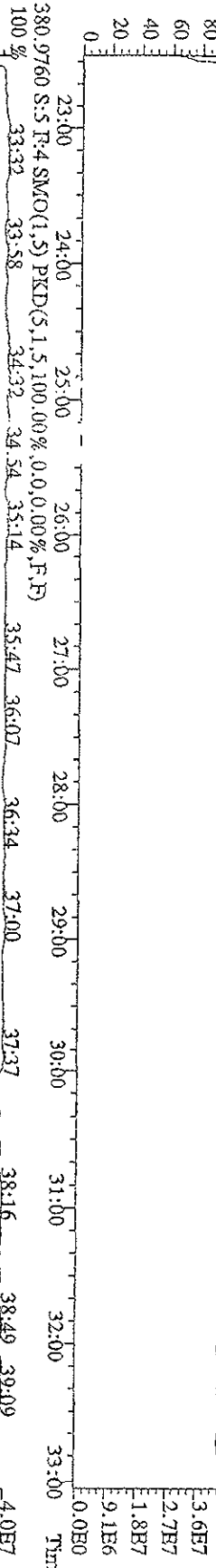
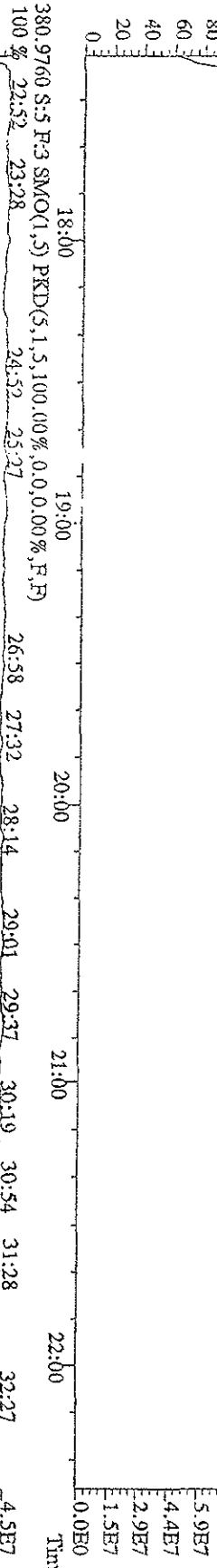
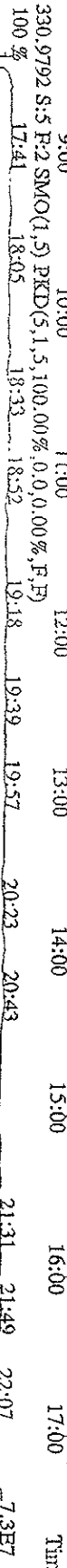
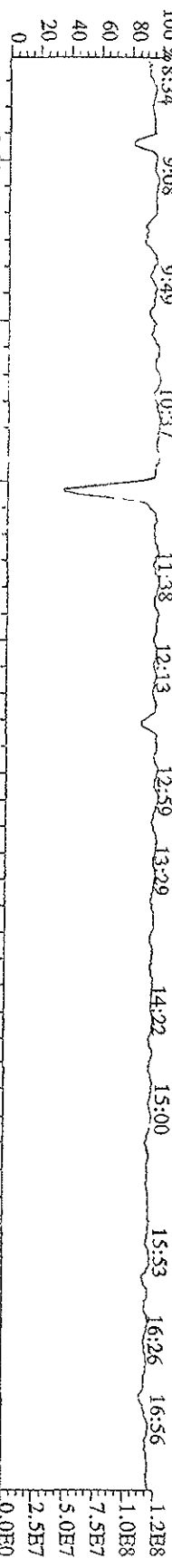




File: J51A09D9D5 #1-609 Acq: 15-JAN-2009 23:50:45 GC EI+ Voltage STR Autospec-Ultimate

Sample#5 Text:ST011SD :CS5 09DXN018 Exp:209DB5

218.9856 S:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



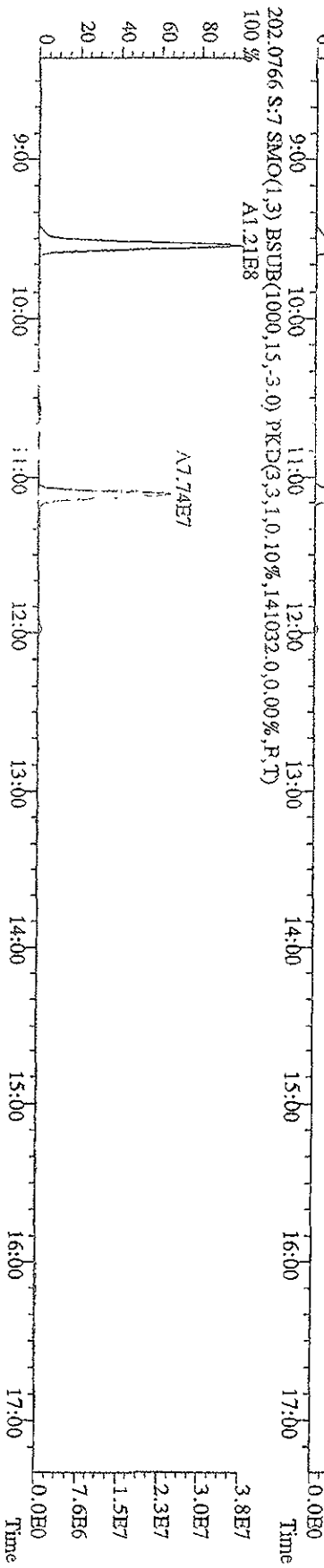
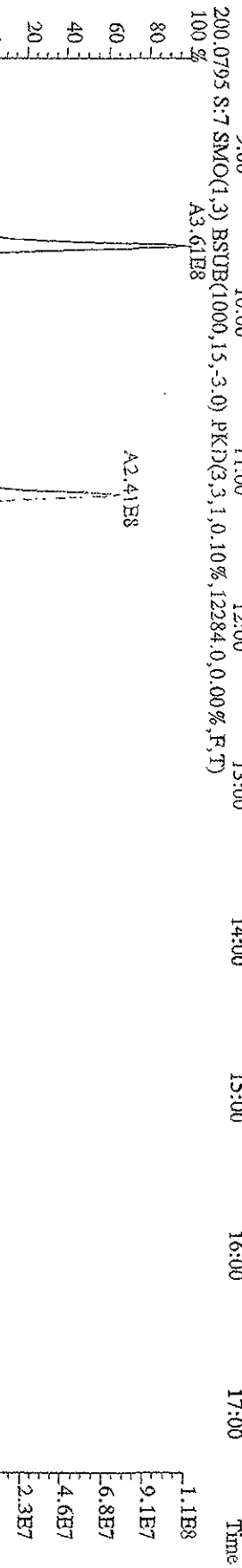
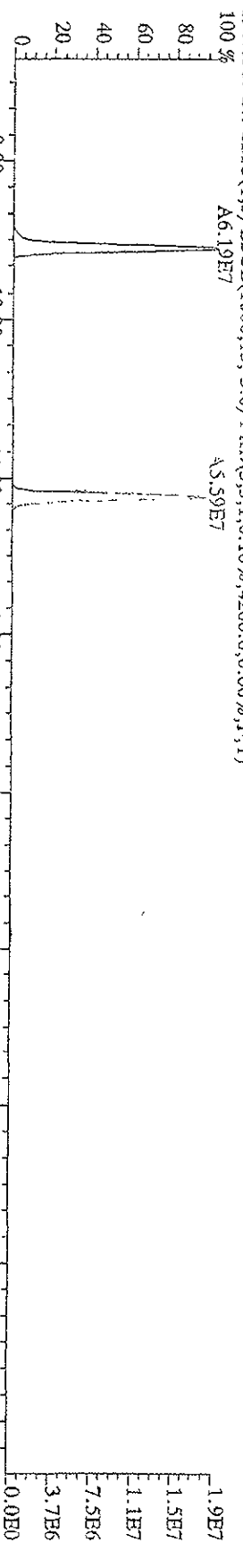
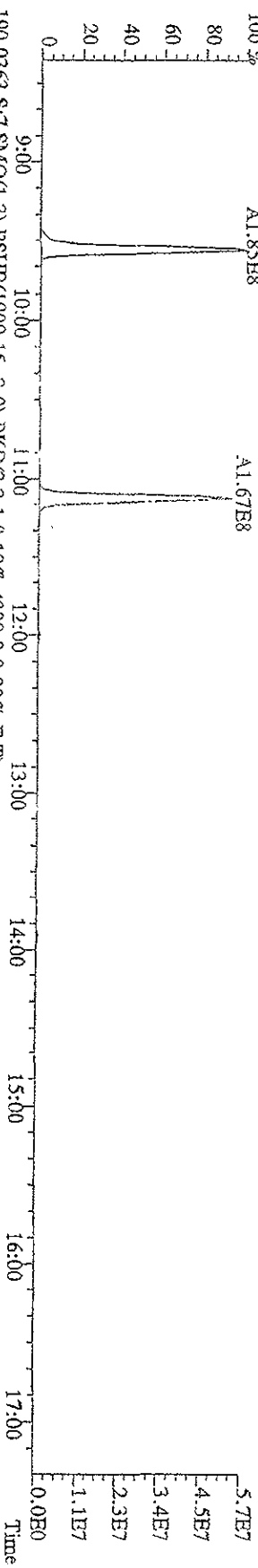
Run text: ST0115E Sample text: ST0115E :2nd Source 09DXN055  
 Run #6 Filename: 15JA09D9D5 S: 7 I: 1 Results: 15JA09D9D5  
 Acquired: 16-JAN-09 01:33:31 Processed: 16-JAN-09 12:21:13  
 Run: 15JA09D9D5 Analyte: 1668MDB5 Cal: 1668MDB50115099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-MoCB-3	317987900	3.11 y	11:07	0.92	2164.57	10.27	108.2	n
MoCB-1	246706500	2.98 y	9:34	1.72	904.22	0.30	-	n
*MoCB-3	222925700	2.99 y	11:08	1.48	946.34	0.35	-	n
Total MoCB	474515702	2.98 y	9:34	1.60	1869.77	0.32	-	n
13C-DiCB-15	484209000	1.53 y	16:10	1.43	2124.23	0.83	106.2	n
DiCB-10/4	347800000	1.00 y	12:01	1.55	927.94	2.11	-	n
DiCB-8/5	491206000	1.00 y	13:55	1.10	1839.01	2.97	-	n
*DiCB-15	359460000	1.00 y	16:11	1.59	932.41	2.05	-	n
Total DiCB	1219706104	1.00 y	12:01	1.57	3755.23	2.08	-	n
13C-TrCB-28	343278000	1.04 y	18:31	1.08	1996.11	10.52	99.8	n
TrCB-30	278791000	1.02 y	15:19	1.61	1008.62	0.29	-	n
TrCB-18	243663000	1.01 y	16:01	1.42	999.81	0.33	-	n
Total F1 TrCB	522454000	1.02 y	15:19	1.30	2008.43	0.36	-	n
*TrCB-31	192082600	1.02 y	18:27	1.11	1008.28	0.90	-	n
*TrCB-28	205591000	1.05 y	18:32	1.28	932.33	0.77	-	n
TrCB-37	162623100	1.02 y	21:48	0.99	959.03	1.01	-	n
Total F2 TrCB	577775584	1.06 y	17:45	1.30	2978.02	0.77	-	n
13C-TeCB-52	318403000	0.81 y	20:23	-	106.38	-	-	n
13C-TeCB-81	229174000	0.79 y	26:58	0.95	1947.47	2.24	97.4	n
TeCB-54	176370000	0.75 y	17:45	1.45	1047.73	0.72	-	n
TeCB-52/73	136685300	0.74 y	20:24	1.14	1038.26	0.92	-	n
TeCB-47/75/48	159414500	0.74 y	20:49	1.51	910.32	0.69	-	n
TeCB-44	118189100	0.73 y	21:34	0.99	1027.98	1.06	-	n
Total F2 TeCB	594518692	0.75 y	17:45	1.28	4050.21	0.83	-	n
13C-TeCB-77	234335000	0.79 y	27:33	0.98	1920.15	2.16	96.0	n
TeCB-66/80	184147000	0.76 y	24:02	1.58	1007.33	1.48	-	n
TeCB-81	141804800	0.76 y	26:59	1.28	968.12	1.77	-	n
TeCB-77	126688100	0.71 y	27:35	1.10	979.89	2.18	-	n
Total F3 TeCB	469737053	0.76 y	24:02	1.28	3070.16	1.85	-	n
13C-PeCB-101	248452000	0.65 y	25:21	-	101.61	-	5.1	n
13C-PeCB-123	215120100	0.65 y	28:53	0.87	1987.09	1.39	99.4	n
PeCB-104	187266500	0.64 y	21:19	1.60	1043.94	0.32	-	n
Total F2 PeCB	187266500	0.64 y	21:19	1.38	1043.94	0.39	-	n
PeCB-101/89/90	152746800	0.59 y	25:23	1.39	979.30	1.07	-	n
PeCB-123	153997300	0.59 y	28:54	1.51	948.79	0.97	-	n
13C-PeCB-118	233847400	0.65 y	29:02	0.98	1912.00	1.23	95.6	n
PeCB-118/106	173601100	0.60 y	29:03	1.53	971.67	0.94	-	n
13C-PeCB-114	234263800	0.66 y	29:40	0.97	1951.48	1.26	97.6	n
PeCB-114	179214900	0.58 y	29:41	1.59	965.03	0.91	-	n
13C-PeCB-105	216099500	0.65 y	30:34	0.90	1938.79	1.35	96.9	n
PeCB-105/127	146287000	0.59 y	30:35	1.42	951.93	1.12	-	n

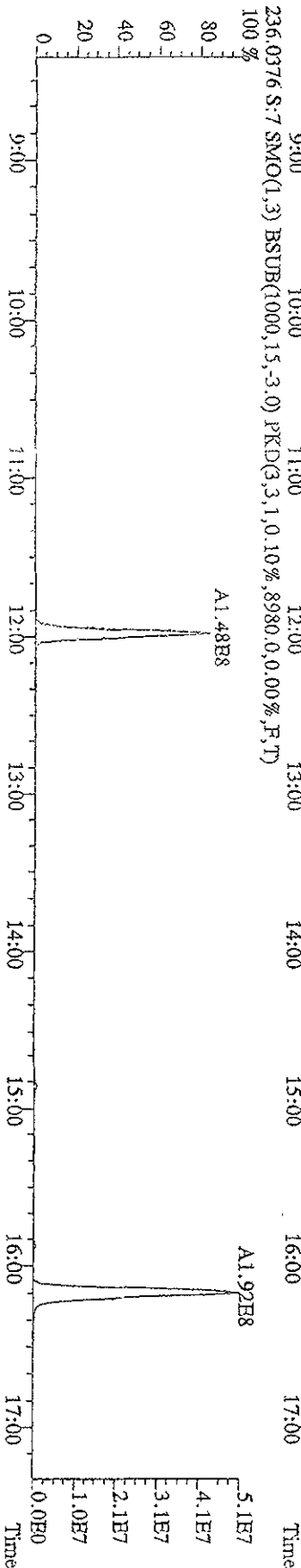
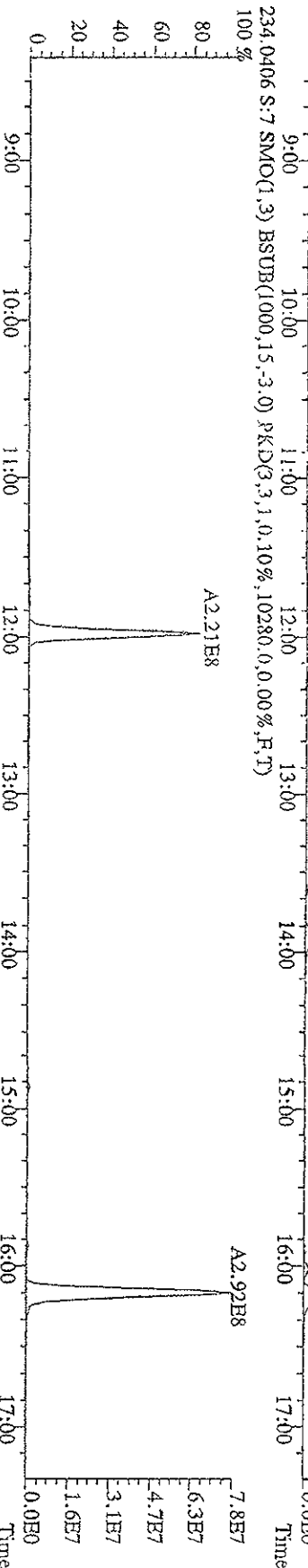
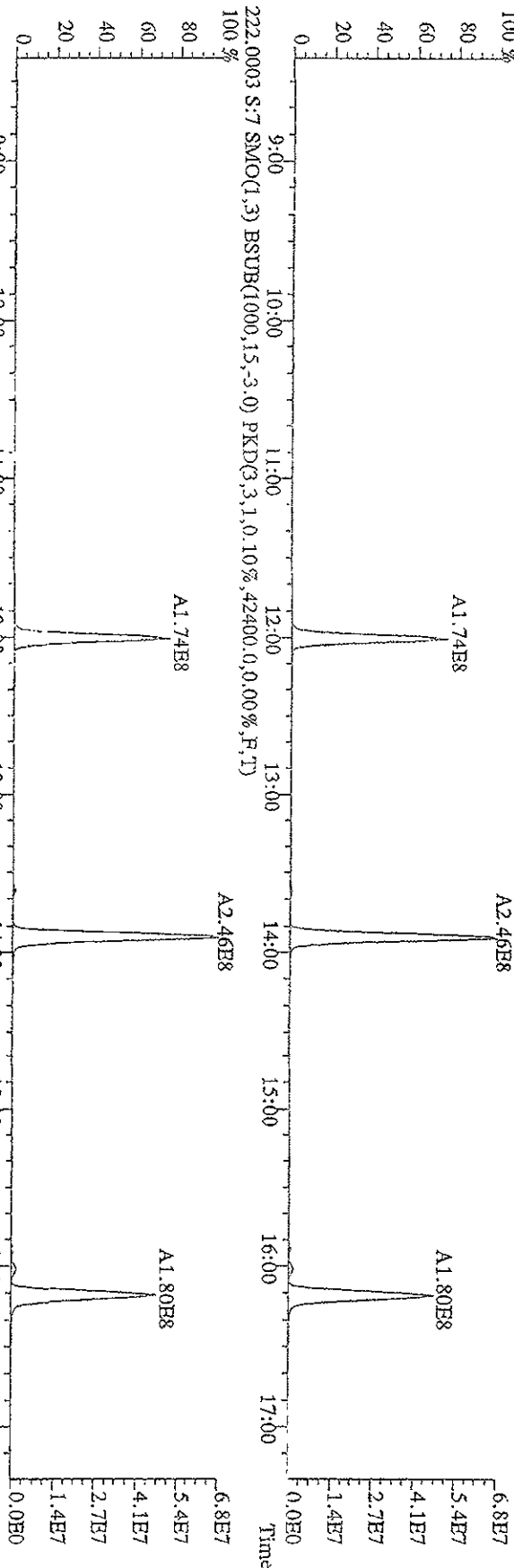
13C-PeCB-126	209136400	0.66	y	32:30	0.91	1846.94	1.33	92.3	n
PeCB-126	116625800	0.59	y	32:31	1.17	950.64	1.67	-	n
Total F3 PeCB	941154865	0.51	n	24:50	1.38	5889.66	1.14	-	n
13C-OcCB-202	247986000	0.86	y	34:43	-	96.36	-	-	n
13C-HxCB-167	206590100	1.26	y	33:35	0.84	1979.81	2.19	99.0	n
HxCB-155	176523800	1.27	y	24:50	1.89	1039.99	0.42	-	n
HxCB-153	152304200	1.27	y	30:21	1.71	987.89	0.46	-	n
HxCB-137	131107900	1.27	y	31:28	1.47	992.40	0.53	-	n
HxCB-138/163/164	136502600	1.26	y	31:56	1.55	977.56	0.51	-	n
Total F3 HxCB	606630234	1.27	y	24:50	1.44	4077.00	0.56	-	n
HxCB-128	84450800	1.24	y	33:30	1.08	868.90	3.96	-	n
HxCB-167	127740700	1.27	y	33:36	1.17	1058.05	3.04	-	n
13C-HxCB-156	164457200	1.30	y	34:53	0.67	1978.96	2.75	98.9	n
HxCB-156	113010300	1.28	y	34:54	1.45	946.35	3.26	-	n
13C-HxCB-157	172987600	1.26	y	35:12	0.71	1973.79	2.61	98.7	n
HxCB-157	119121700	1.26	y	35:13	1.45	952.15	3.00	-	n
13C-HxCB-169	176264100	1.25	y	37:05	0.73	1938.06	2.51	96.9	n
HxCB-169	81303300	1.29	y	37:06	0.99	932.61	4.67	-	n
Total F4 HxCB	536274083	1.24	y	33:30	1.44	4840.76	3.02	-	n
13C-HpCB-180	145969400	1.04	y	35:49	0.58	2013.68	1.54	100.7	n
HpCB-188	145753200	1.07	y	29:56	2.10	1033.46	0.58	-	n
HpCB-187/182	128812400	1.06	y	32:54	1.92	997.83	0.63	-	n
Total F3 HpCB	278642119	1.07	y	29:56	1.67	2067.20	0.72	-	n
HpCB-180	86924100	1.10	y	35:50	1.27	941.34	1.34	-	n
13C-HpCB-170	116867600	1.04	y	37:29	0.47	1986.74	1.89	99.3	n
HpCB-170/190	87429800	1.08	y	37:29	1.61	931.39	1.31	-	n
13C-HpCB-189	140943300	1.05	y	39:07	0.60	1899.17	1.50	95.0	n
HpCB-189	80151000	1.11	y	39:08	1.21	942.78	1.48	-	n
Total F4 HpCB	256493131	0.82	n	33:07	1.67	2833.03	1.10	-	n
13C-OcCB-194	97713600	0.90	y	41:04	0.41	1928.85	0.71	96.4	n
OcCB-202	102264300	0.85	y	34:44	2.16	968.36	0.31	-	n
Total F4 OcCB	102264300	0.85	y	34:44	1.70	968.36	0.39	-	n
OcCB-195	75846900	0.88	y	39:58	1.61	963.37	3.27	-	n
*OcCB-194	57671400	0.89	y	41:05	1.24	952.91	4.25	-	n
Total F5 OcCB	141135460	0.88	y	39:58	1.70	2007.99	3.10	-	n
13C-NoCB-208	153734500	0.80	y	39:52	0.64	1928.31	0.15	96.4	n
*NoCB-208	81736900	0.79	y	39:52	1.11	956.40	0.38	-	n
NoCB-206	52843300	0.81	y	43:01	0.73	947.77	0.59	-	n
Total F5 NoCB	136667540	0.79	y	39:52	0.92	1933.73	0.46	-	n
13C-DeCB-209	107688400	0.71	y	44:04	0.46	1887.39	0.07	94.4	n
*DeCB-209	73761700	0.71	y	44:04	1.50	910.40	0.09	-	n
13C-MoCB-1	482046000	2.99	y	9:33	1.95	1553.93	3.90	77.7	n
13C-DiCB-4	369336000	1.49	y	11:59	0.93	1647.97	0.80	82.4	n
13C-TrCB-19	309678000	1.07	y	14:52	1.03	1750.20	9.10	87.5	n
13C-TeCB-54	365168000	0.82	y	17:44	1.72	1829.54	1.83	91.5	n
13C-PeCB-111	289878000	0.64	y	26:50	1.42	1929.21	1.32	96.5	n
13C-HxCB-138	205304900	1.20	y	31:55	-	97.93	-	4.9	n

Title: 151A09DD9D5 #1-609 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate

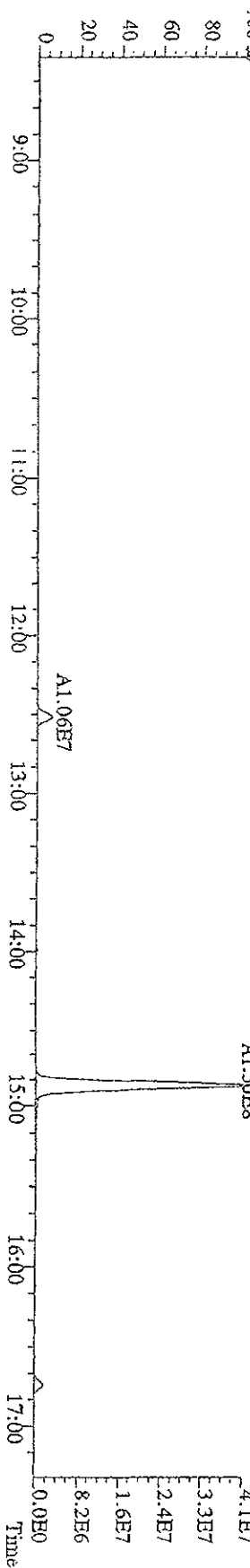
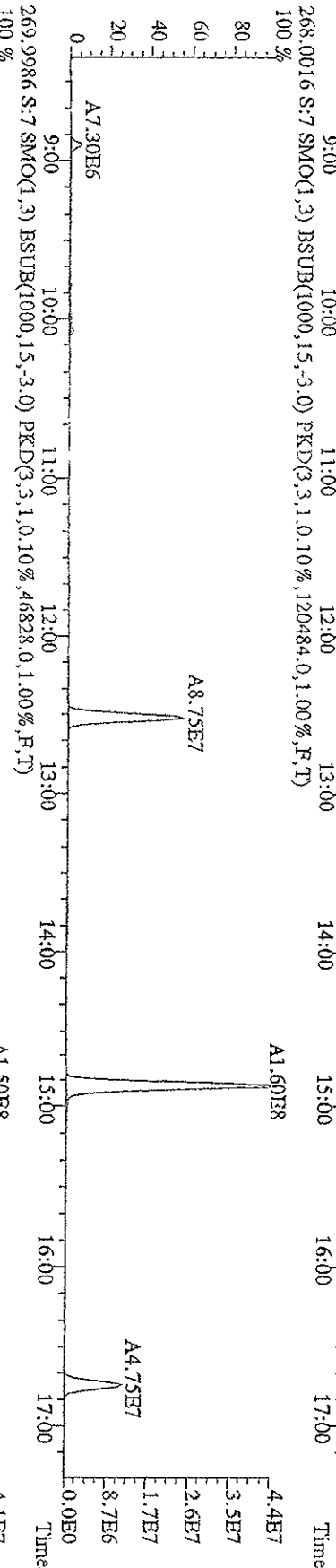
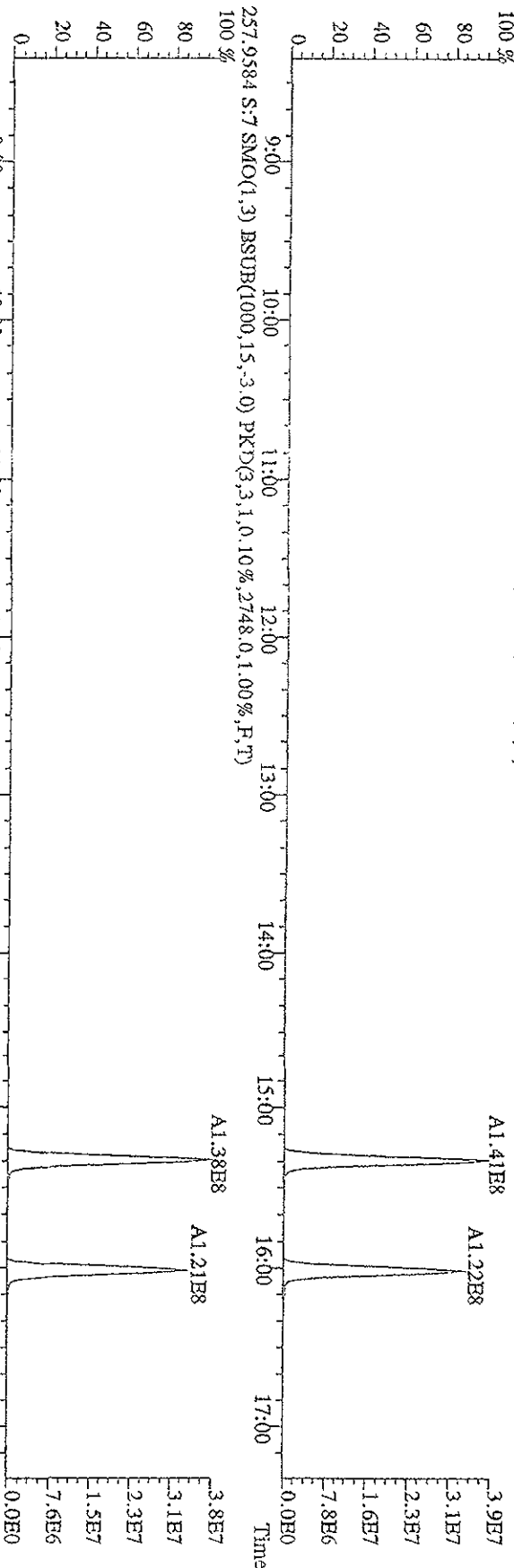
Sample#7 Text: ST0115B 2nd Source 09DXN055 Exp: 209DB5  
 188.0393 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,6216.0,0.00%,F,T)



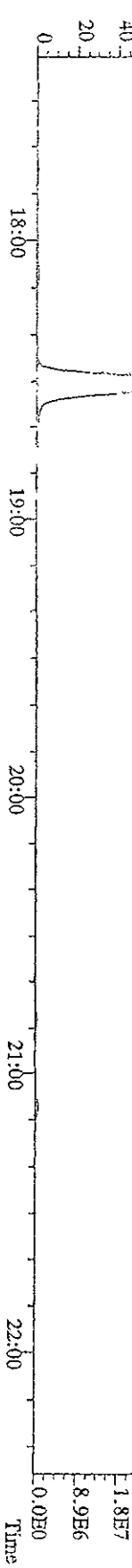
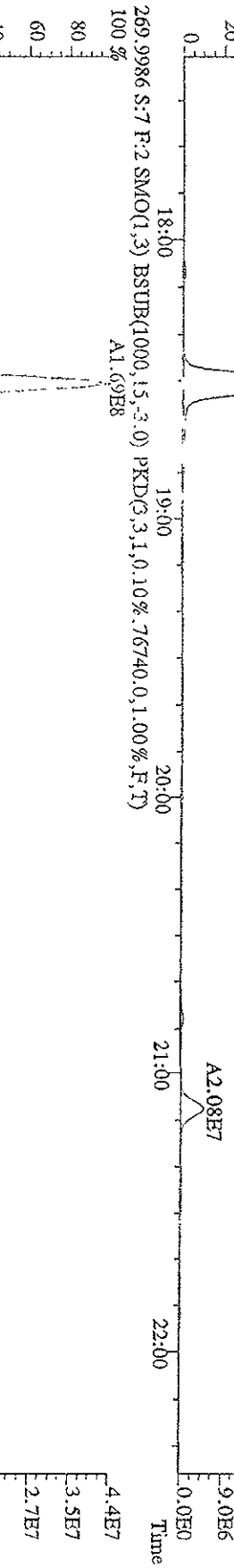
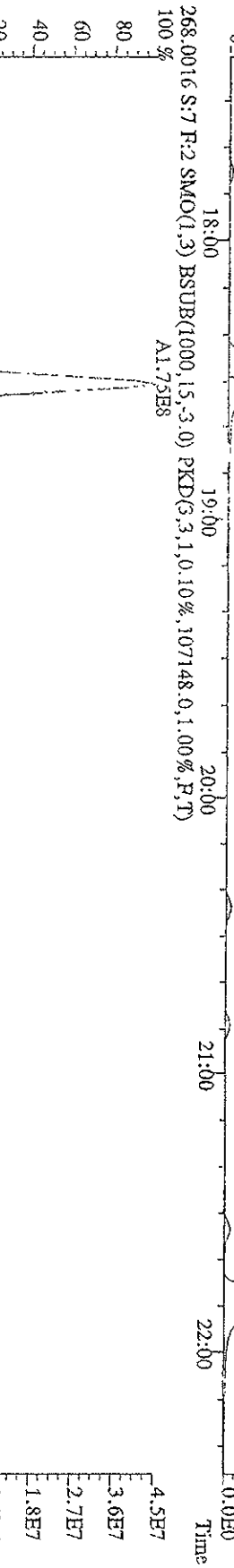
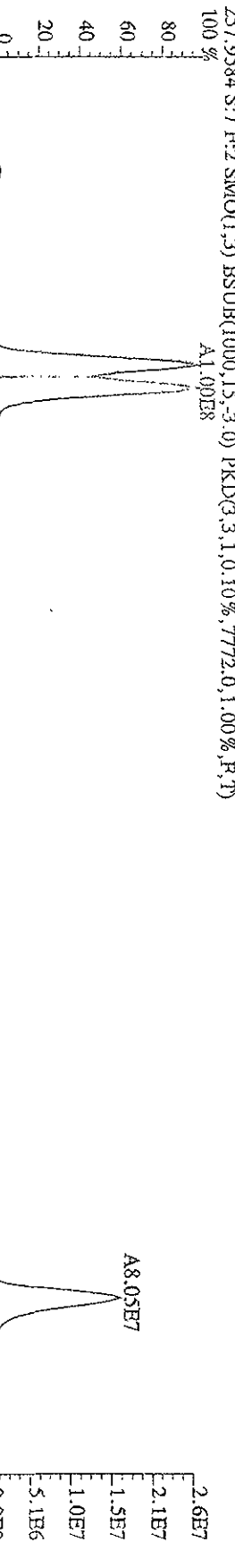
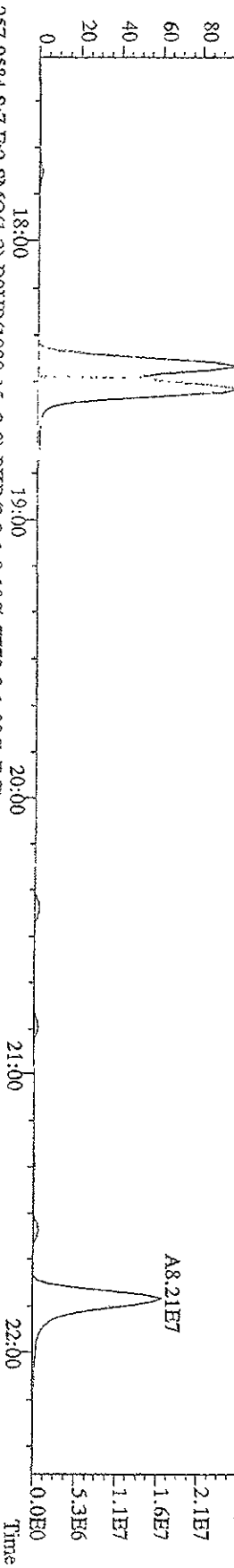
Title: 151A09D9D5 #1-609 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UimmAB  
 Sample#7 Text:ST0115E 2nd Source 09DXN055 Exp:209DB5  
 222.0003 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,42400,0,0,00%,F,T)



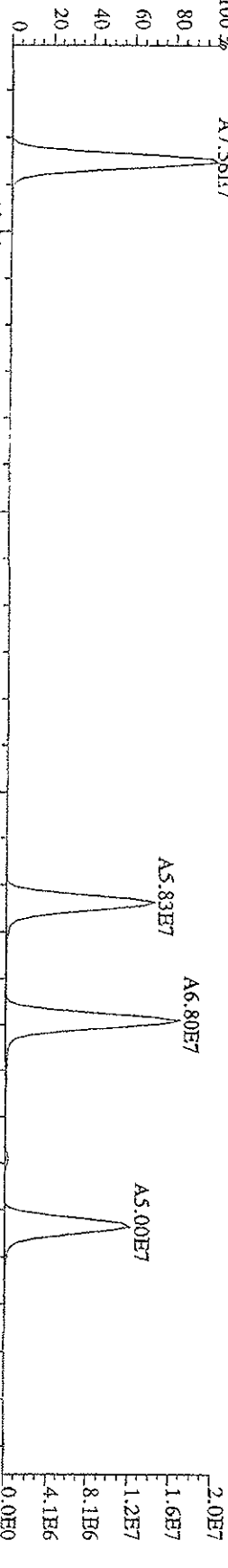
File: 151A09DD9D5 #1-609 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage: SIR Autospec-Ultimate  
 Sample#7 Text: ST0115E : 2nd Source 09DXN055 Exp: 209DB5  
 255.9613 S: 7 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2748.0,1.00%,F,T)  
 100%



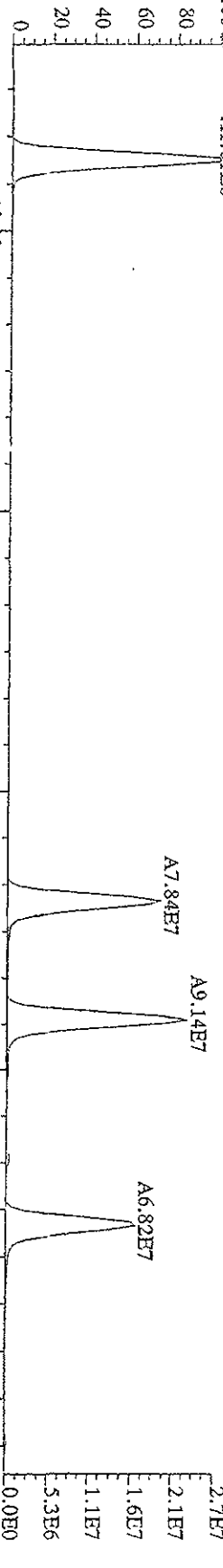
File: 151A09D9D5 #1-371 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DX(NM055 Exp:209DB5  
 255.9613 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9972,0,1,00%,F,T)



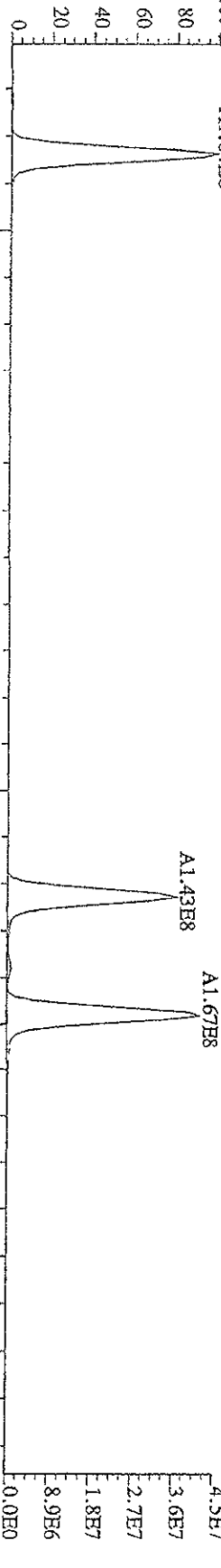
File:151A09D9D5 #1-371 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#7 Text:ST0115H 2nd Source 09DXN055 Exp:209DB5  
 289.9224 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2996,0,0,00%,F,T)  
 100% A7.561E7



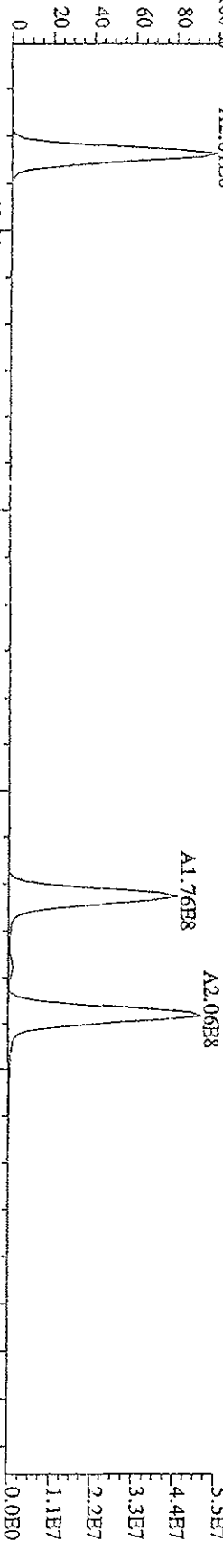
291.9194 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4708,0,0,00%,F,T)  
 100% A1.01E8



301.9626 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,11612,0,0,00%,F,T)  
 100% A1.64E8

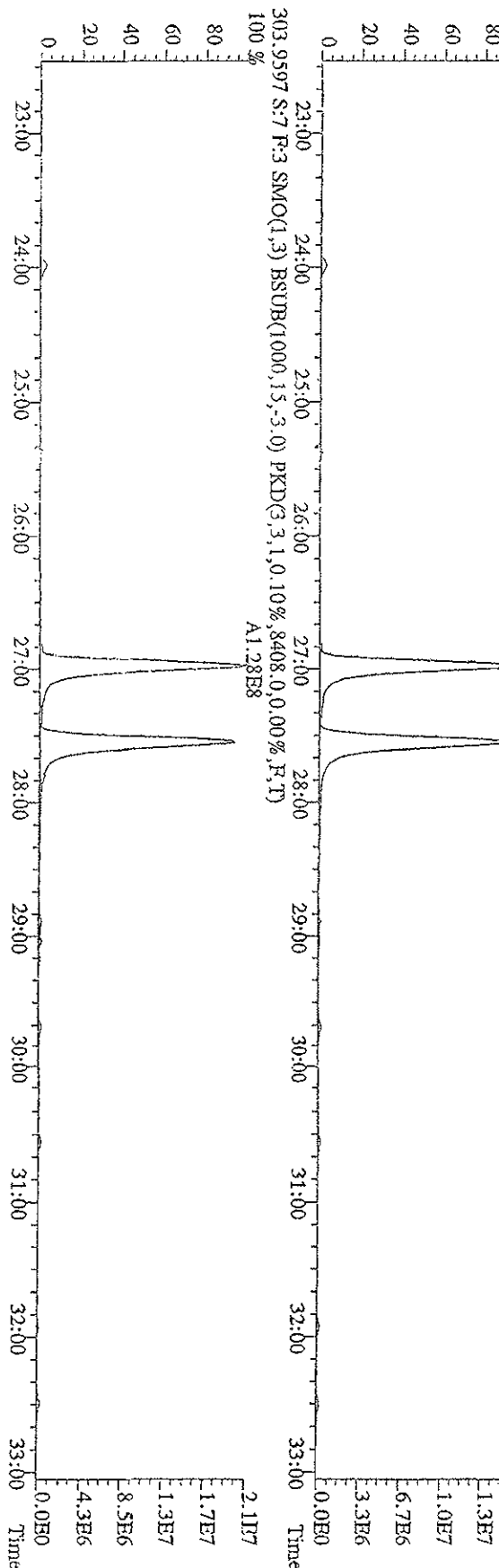
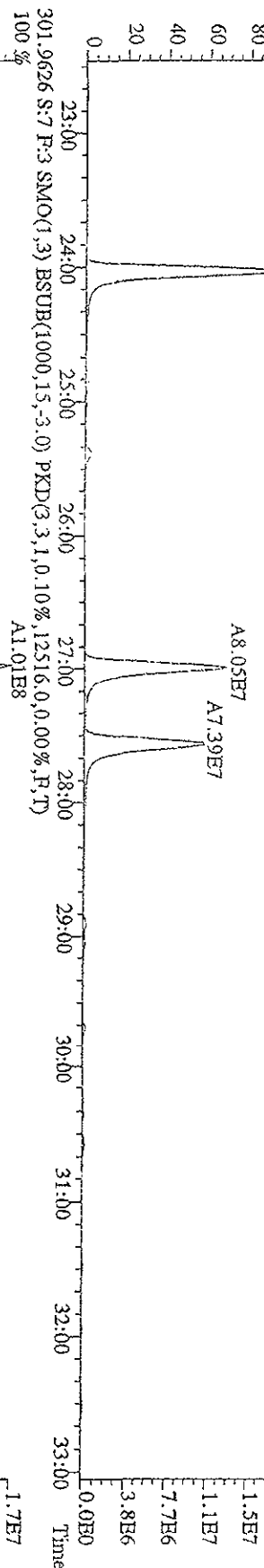
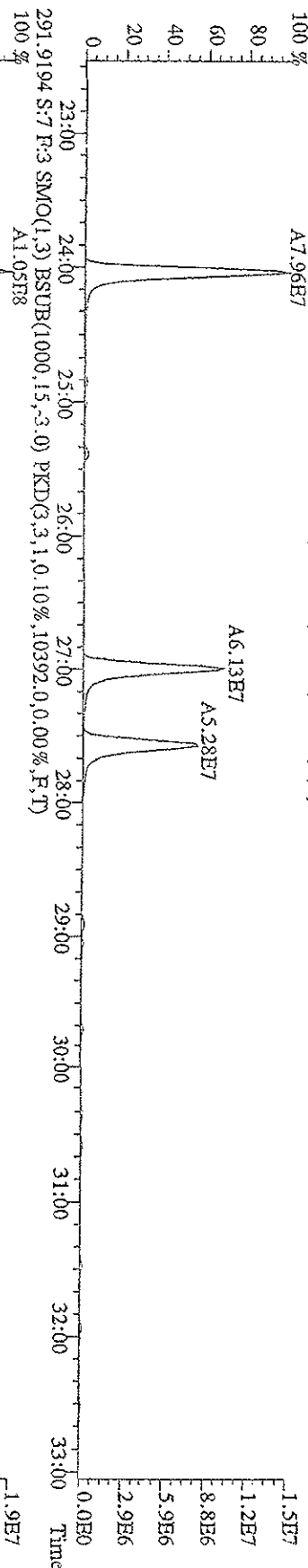


303.9597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,11496,0,0,00%,F,T)  
 100% A2.01E8

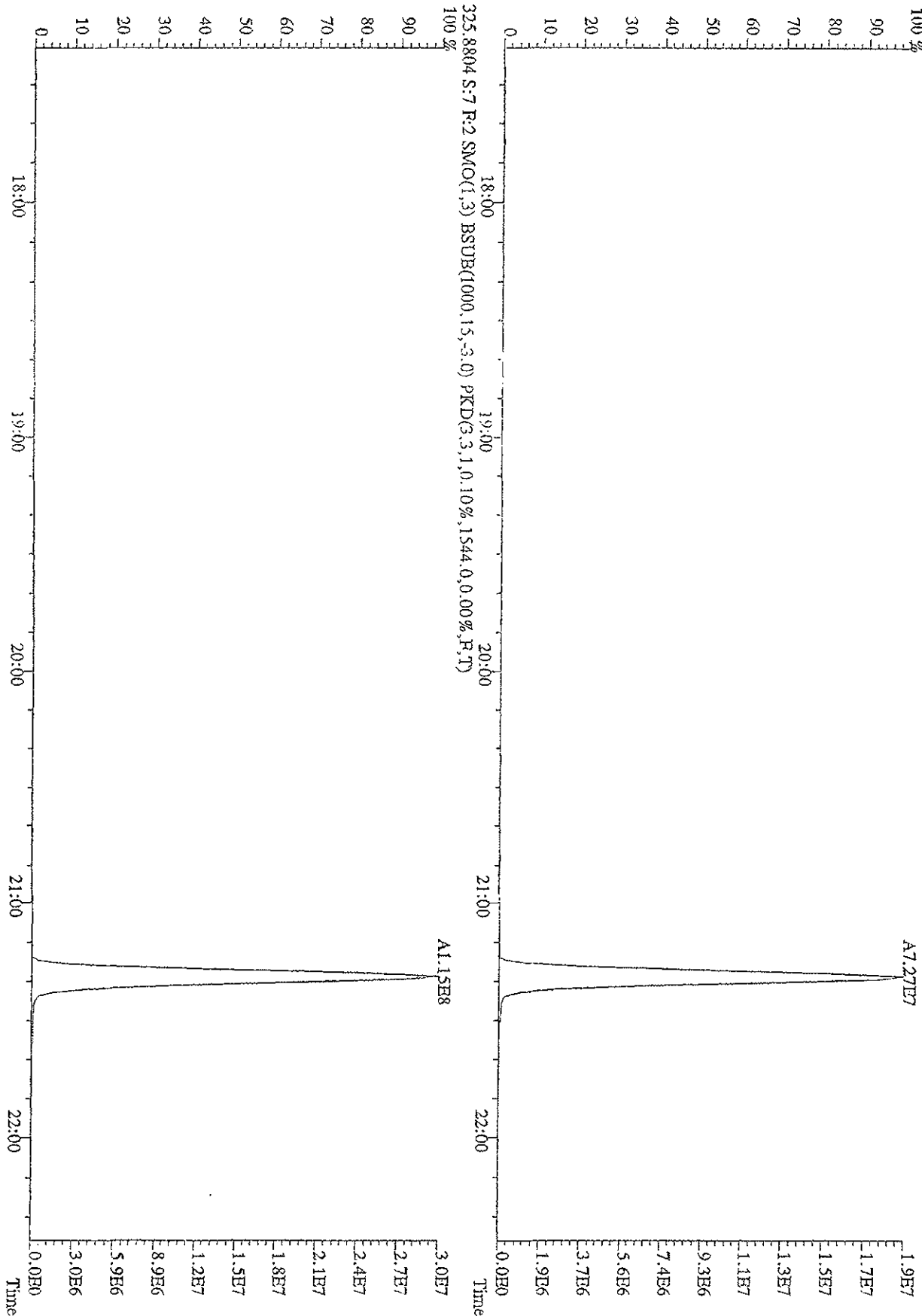




File: 15IA09D9D5 #1-597 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#7 Text: ST0115E :2nd Source 09DXN055 Exp: 209DB5  
 289.9224 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6752,0,0,00%,F,T)  
 100%

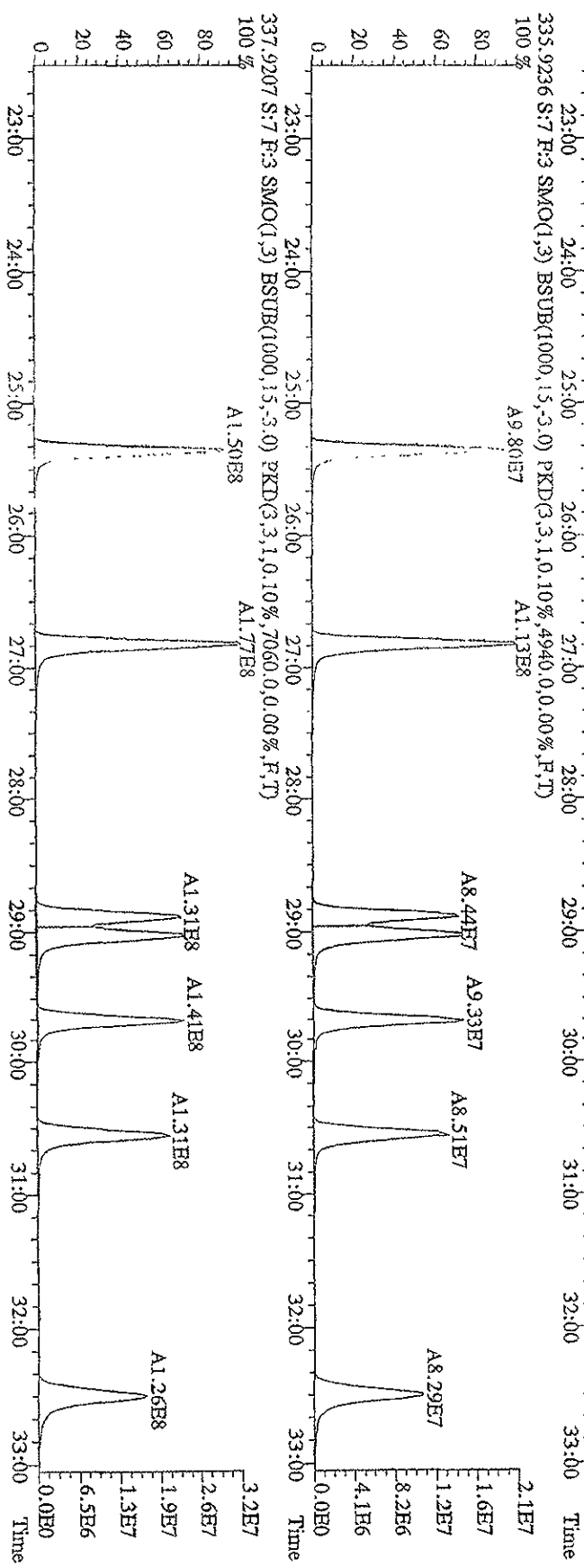
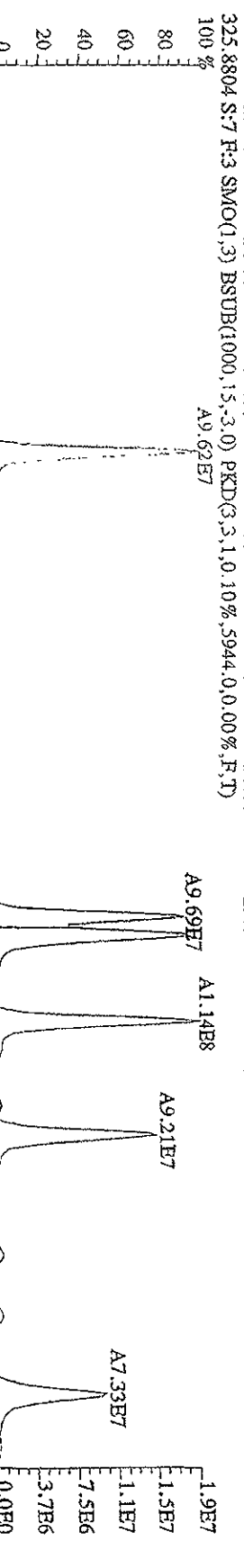
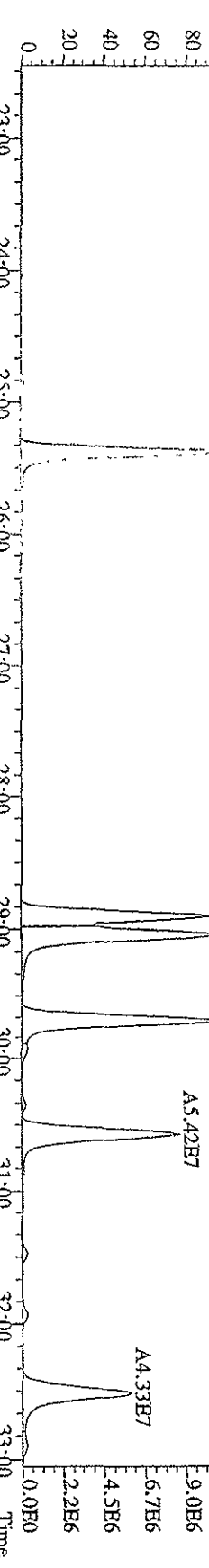


File: 151A09D9D5 #1-371 Acq: 16-JAN-2009 01:33:31 GC EI+ Voltage SLR Autospec-UltimaB  
 Sample#7 Text: ST011SE : 2nd Source 09DXN055 Exp: 209DB5  
 323,8834 S: 7 R: 2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1544,0,0,00%,F,T)

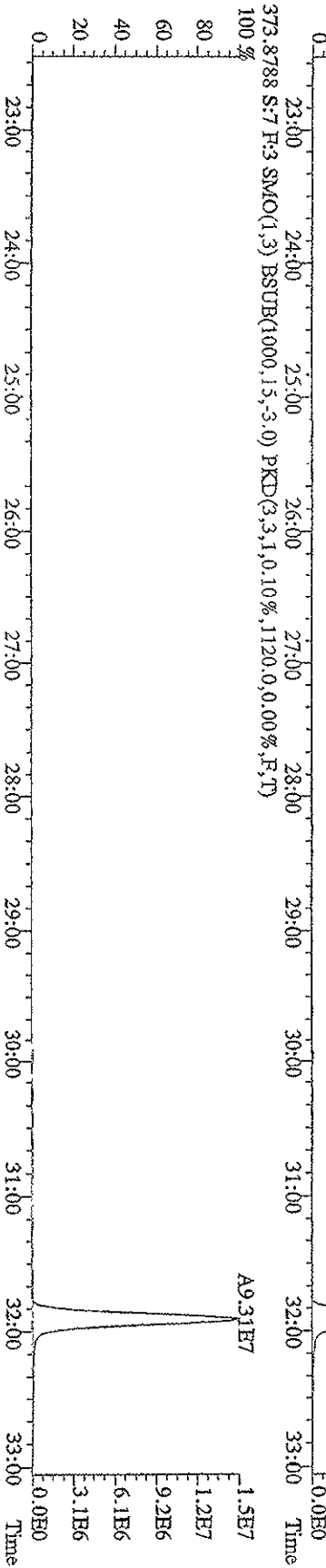
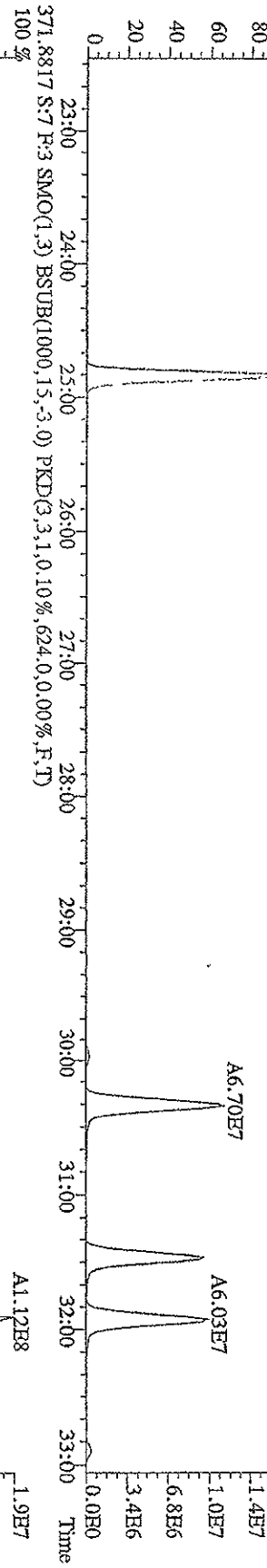
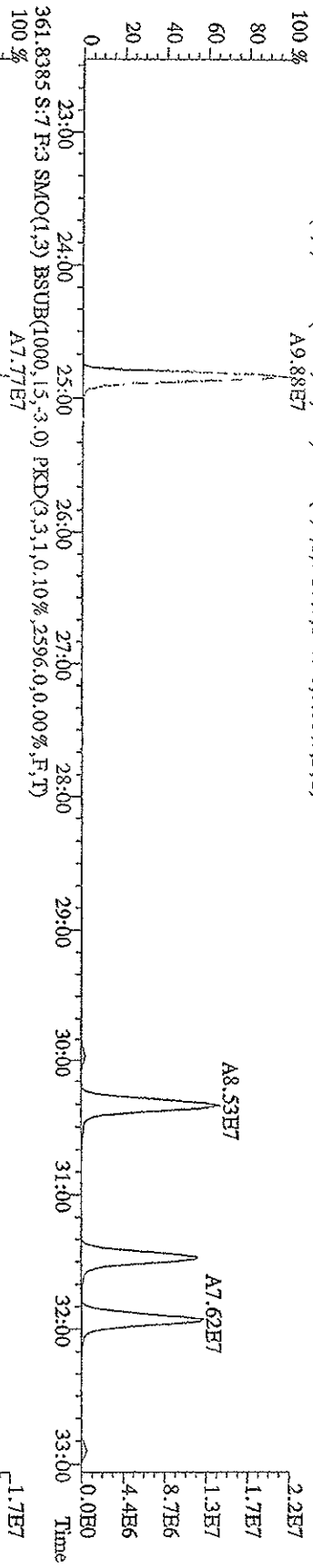


File: I51A09D9D5 #1-597 Acq: 16-JAN-2009 01:33:31 GC BI + Voltage SIR Autospec-UltimaB

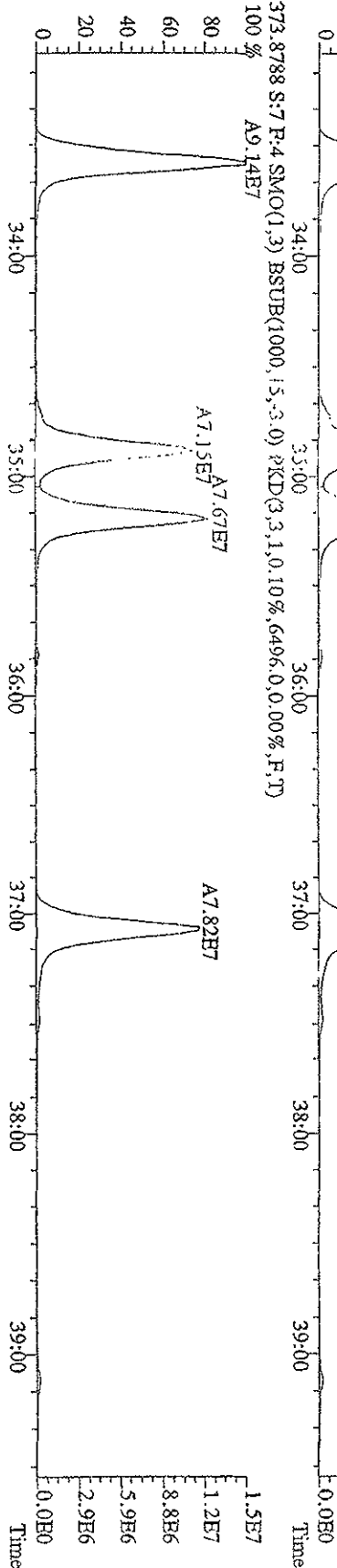
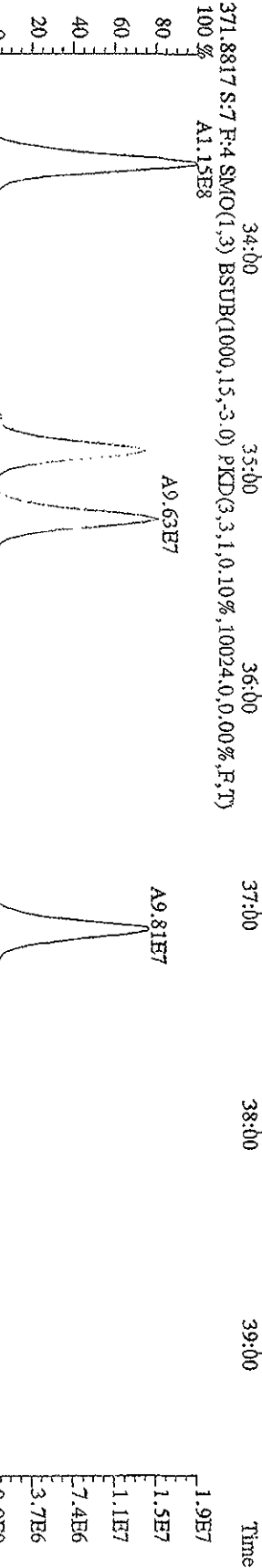
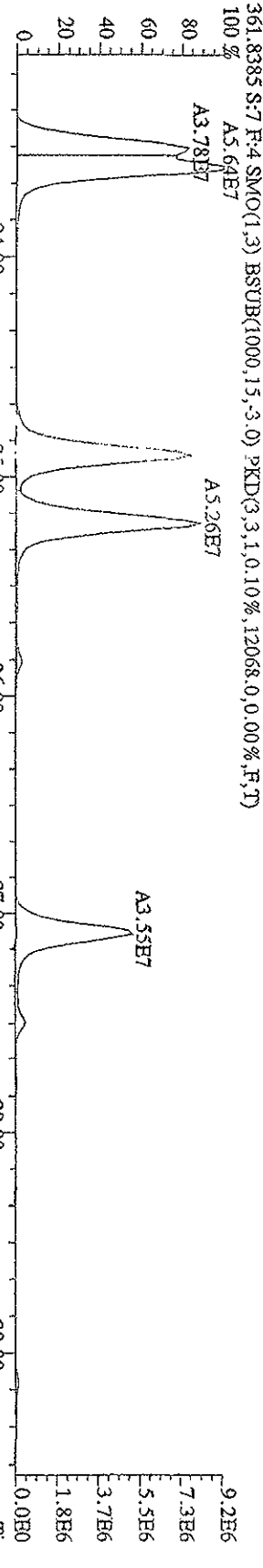
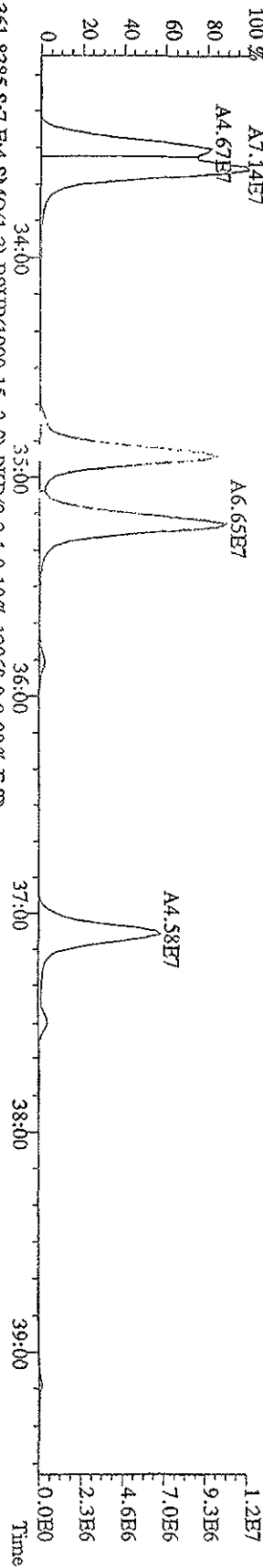
Sample#7 Text:ST0115E :2nd Source (9DX)N055 Exp:209DB5



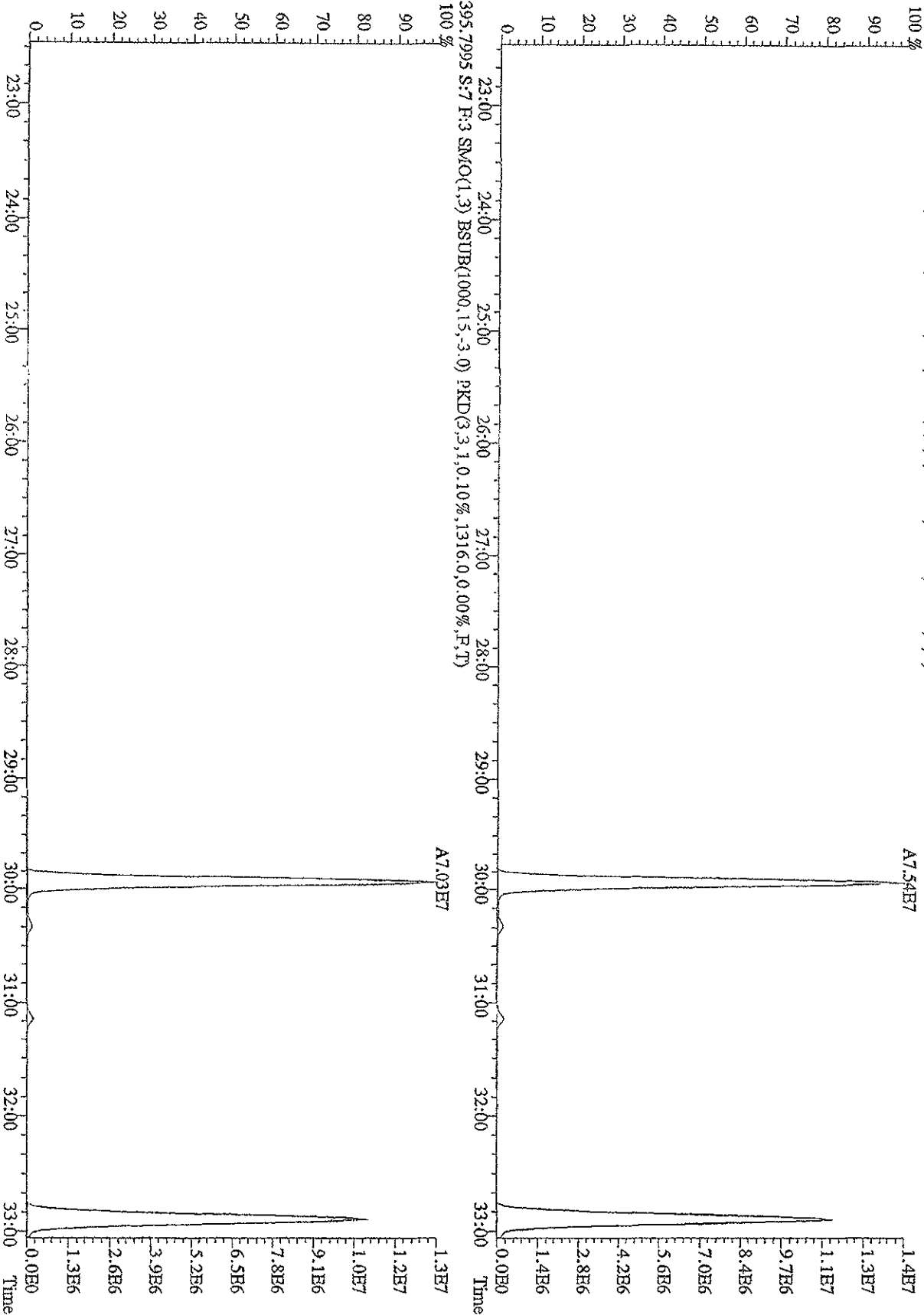
File:151A09D9D5 #1-597 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 359.8415 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1748,0,0,00%,F,T)  
 100% A9.88E7



File: 151A09D9D5 #1-395 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage 51R Autospec-Ultimate  
 Sample#7 Text:ST0115E :2nd Source 09DXN055 Exp:209DB5  
 359.8415 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,11588,0,0,00%,F,T)  
 100% A7.14E7

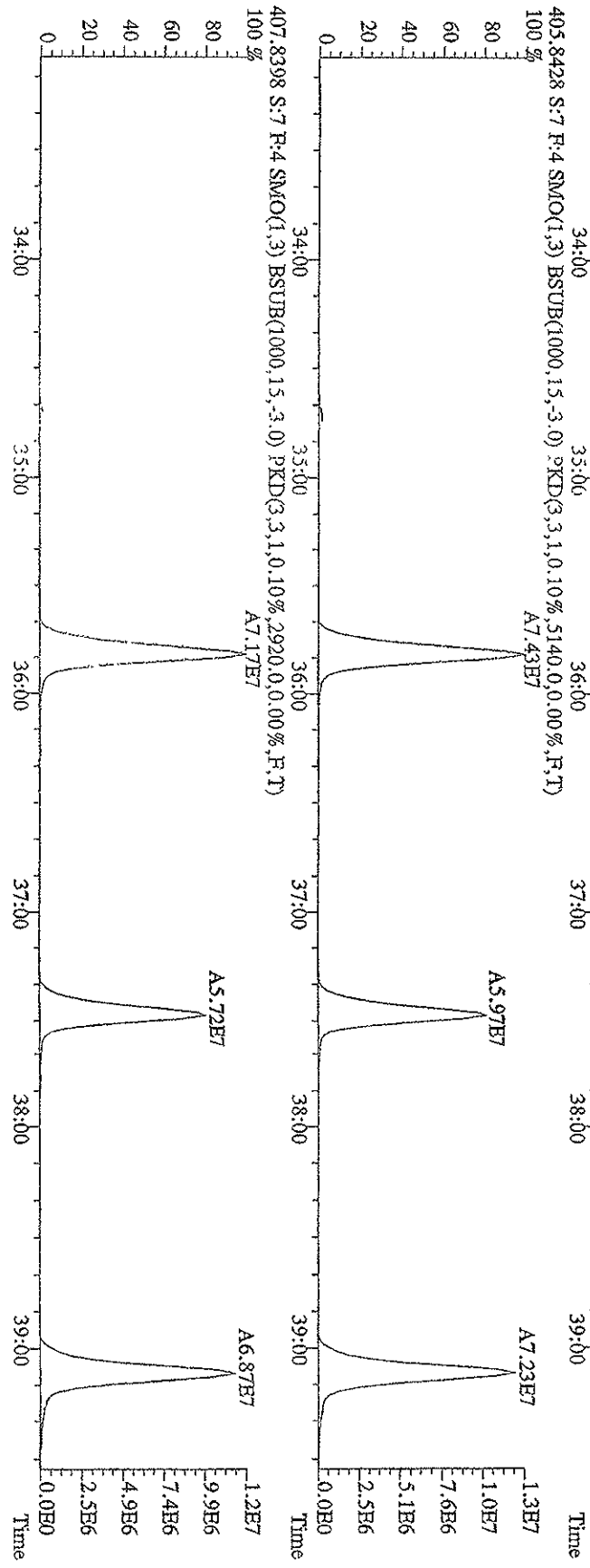
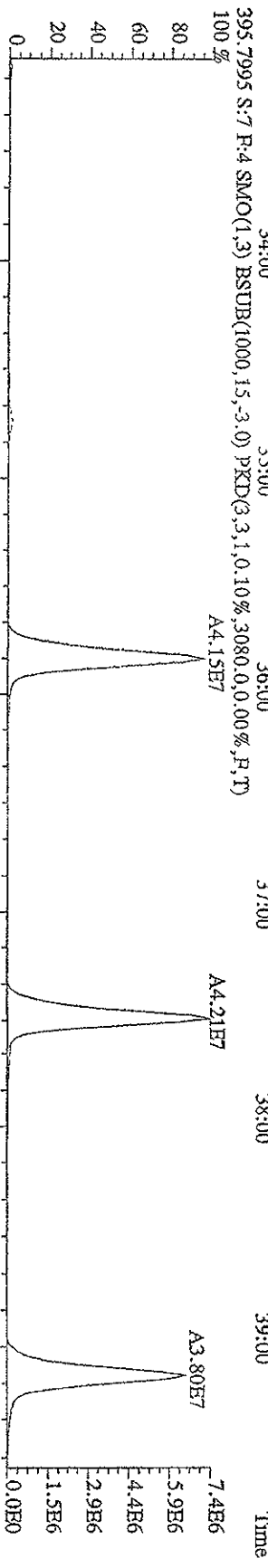
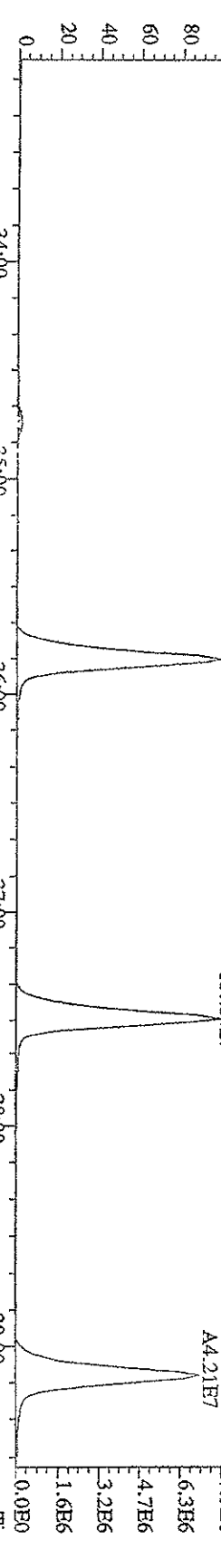


File: 151A09DD5 #1-597 Acq: 16-JAN-2009 01:33:31 GC: EI+ Voltage: SIR Autospec-Ultimate  
Sample#7 Text: ST0115E : 2nd Source 09DXN055 Exp: 209DB5  
393.8025 S: 7 F: 3 SMO(1.3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1316,0,0,00%,F,T)

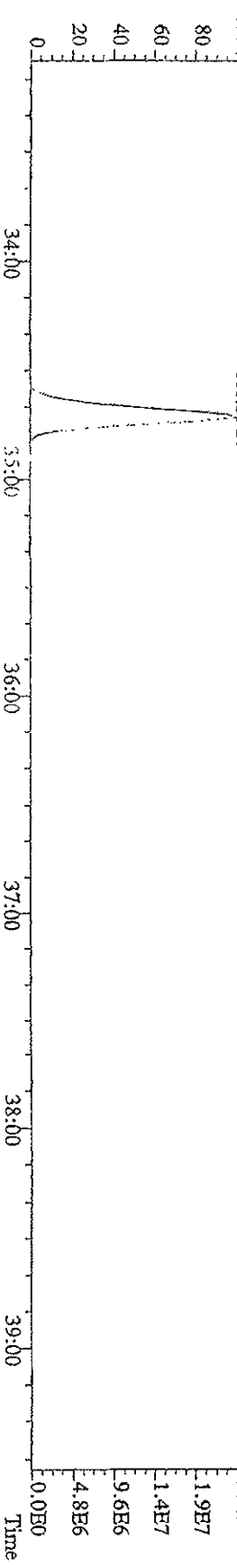
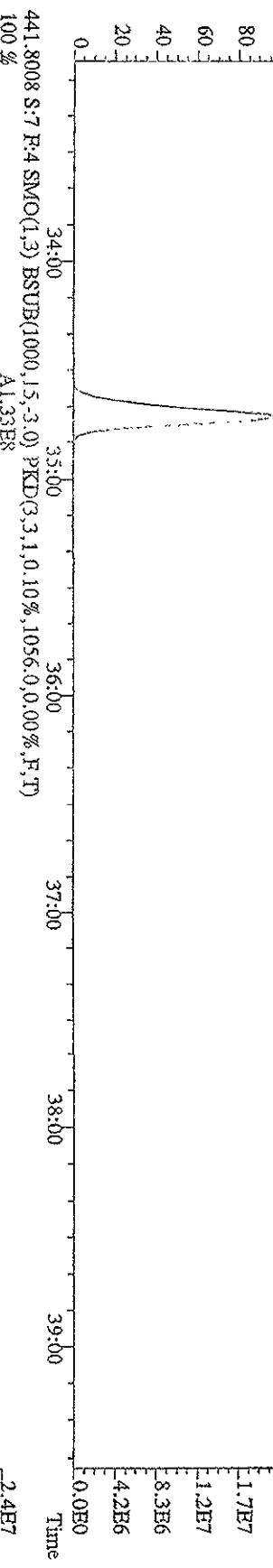
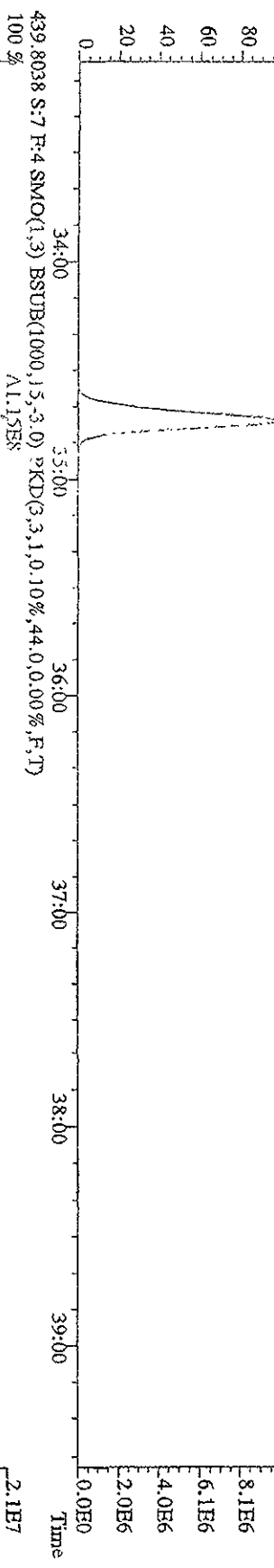
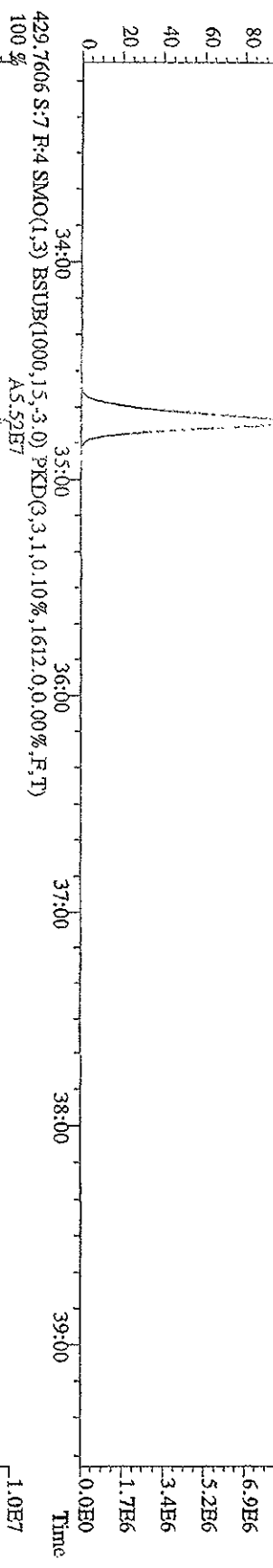


File:151A09DD9D5 #1-395 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage SIR Autospec-UltimaB

Sample#7 Text:ST0115E :2nd Source 09DXIN055 Exp:209DB5

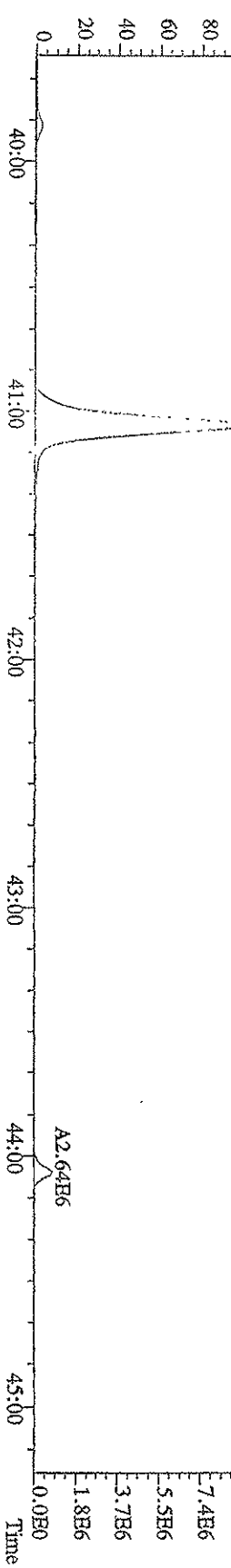
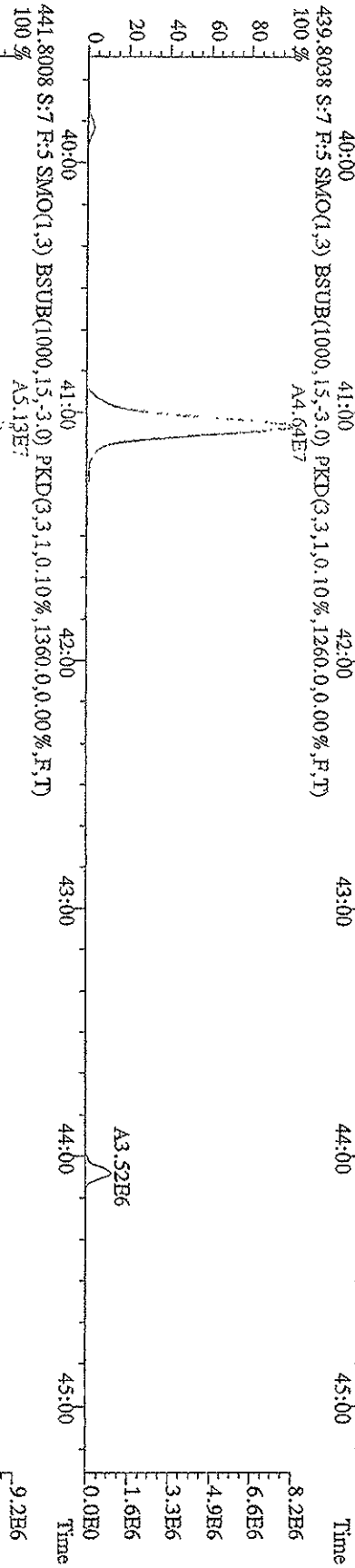
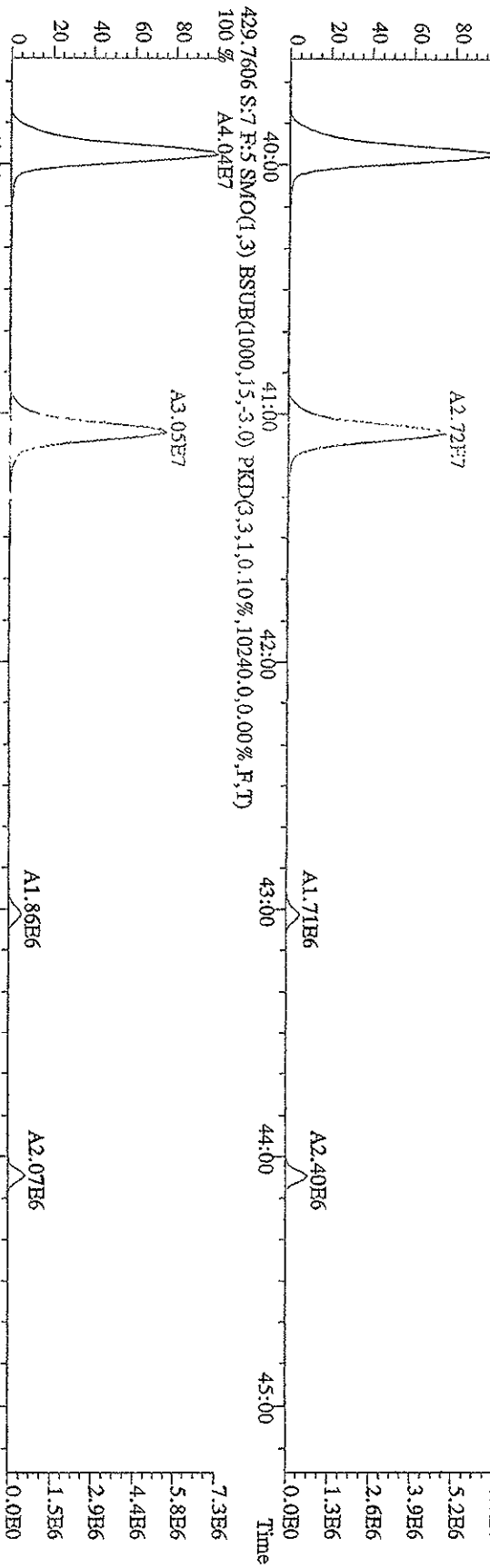


File:151A09D9D5 #1-395 Acq:16-JAN-2009 01:33:31 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#7 Text:ST015E :2nd Source 09DXN055 Exp:209DB5  
 427.7635 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,708,0,0,00%,F,T)  
 100% A4.70E7

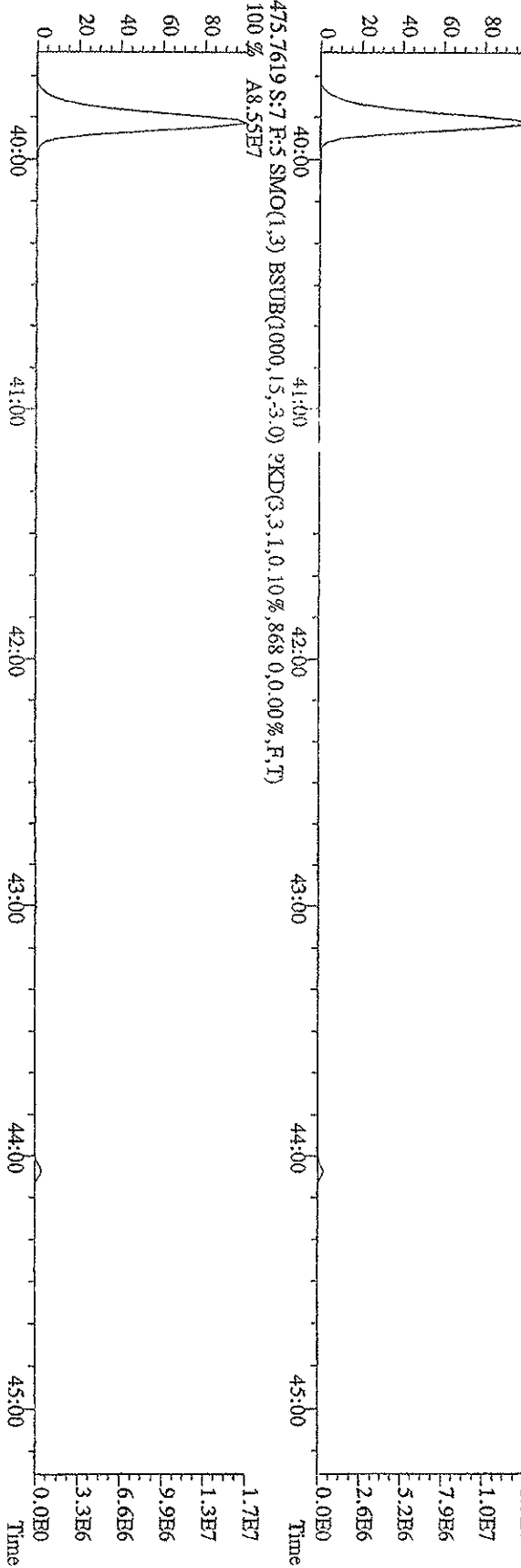
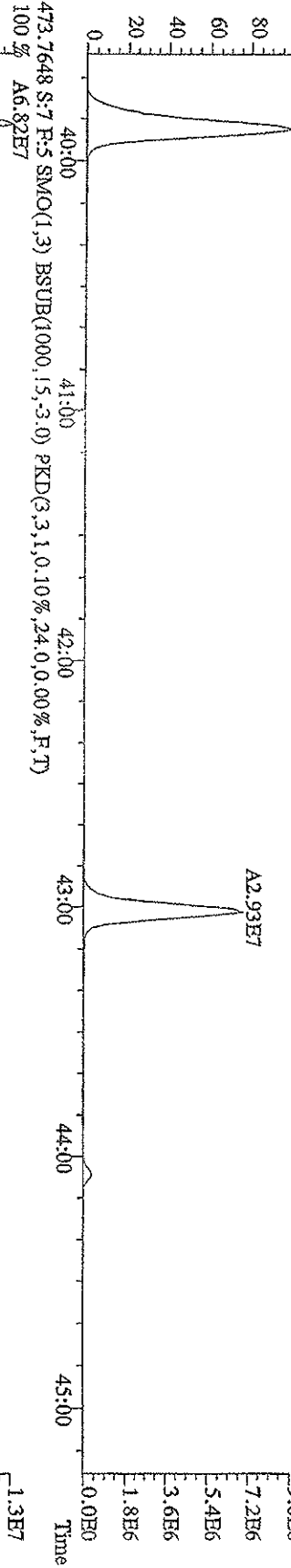
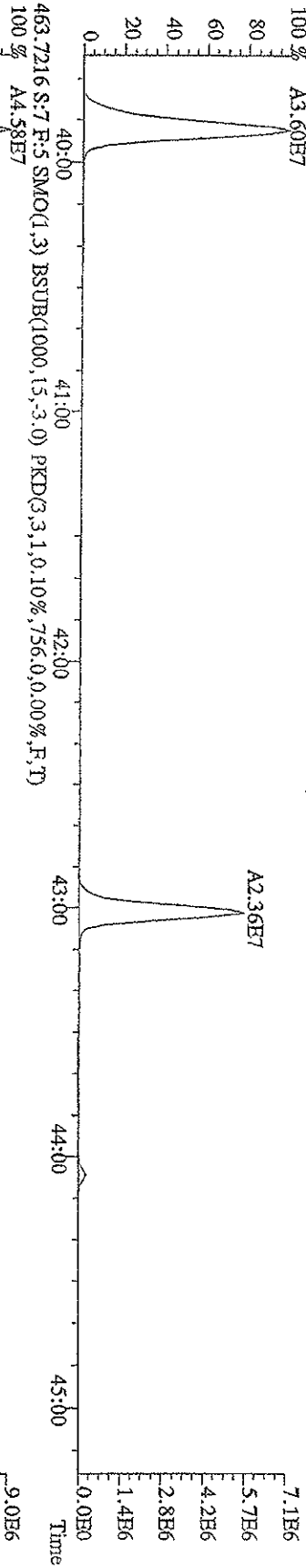




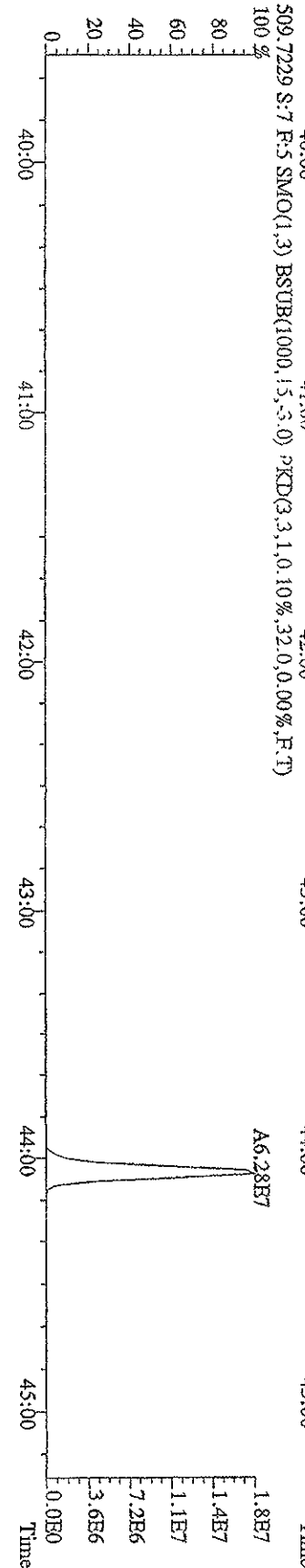
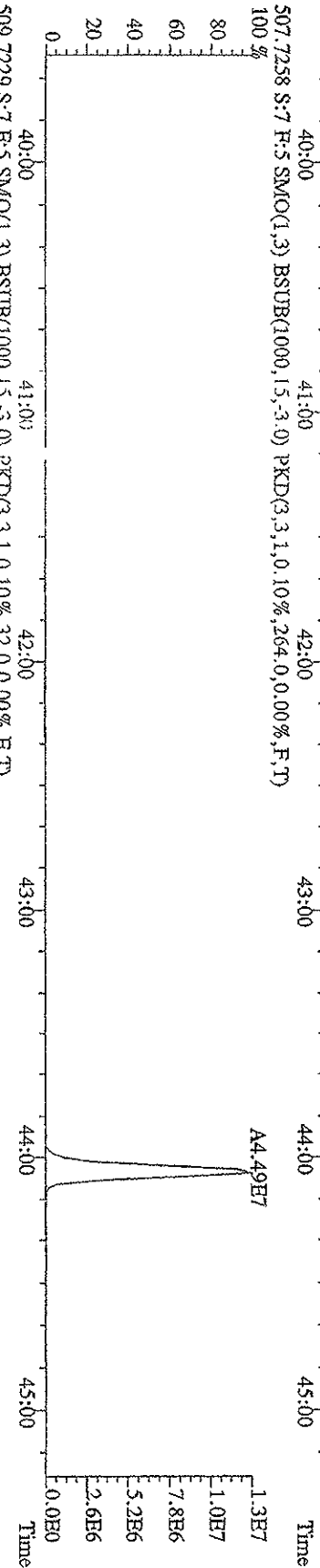
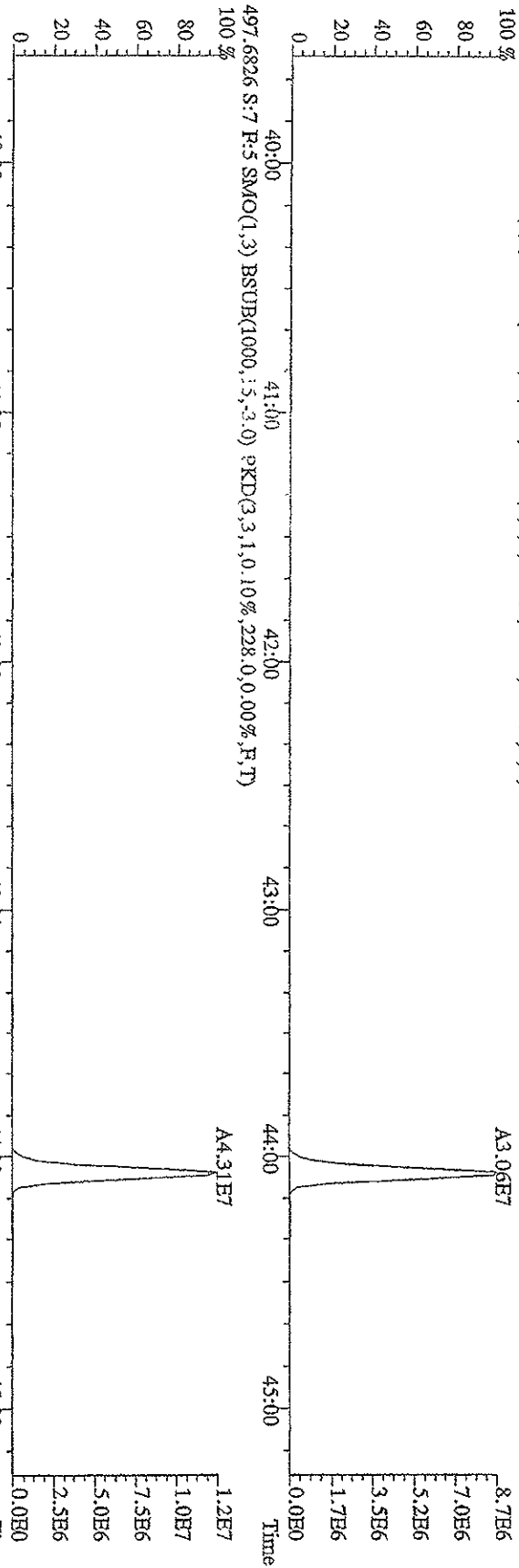
File: 151A09D9D5 #1-378 Acq:16-JAN-2009 01:35:31 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#7 Text:ST0115B :2nd Source 09D\XNG:55 Exp:209DB5  
 427.7635 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8132.0,0.00%,F,T)  
 100%



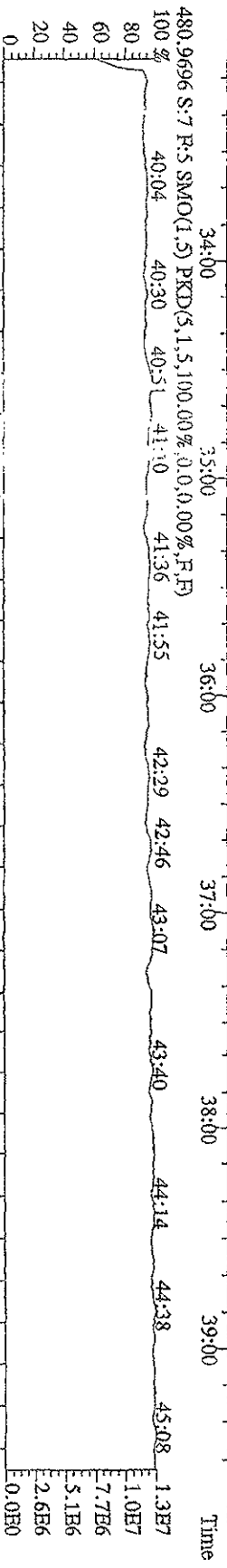
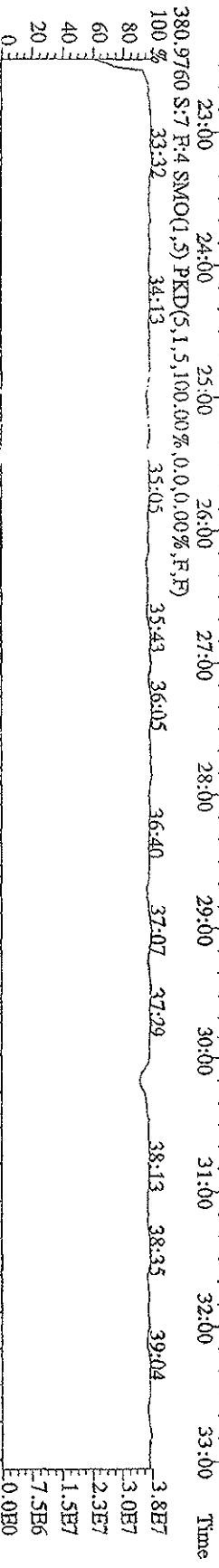
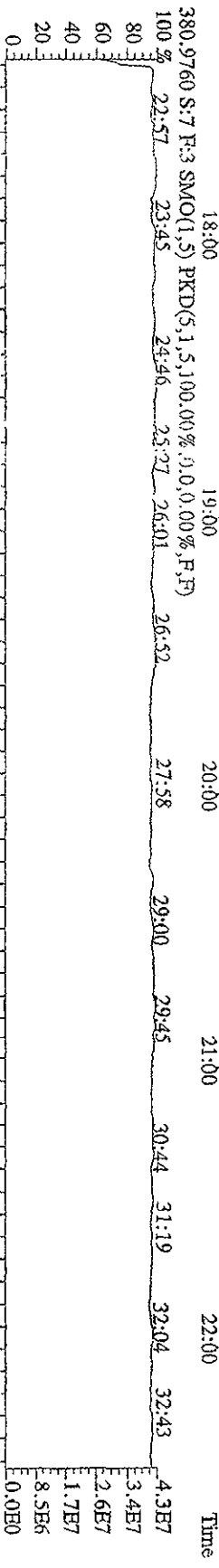
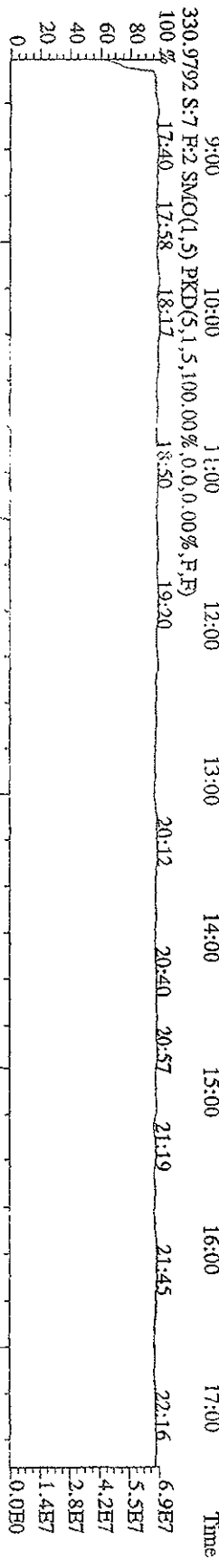
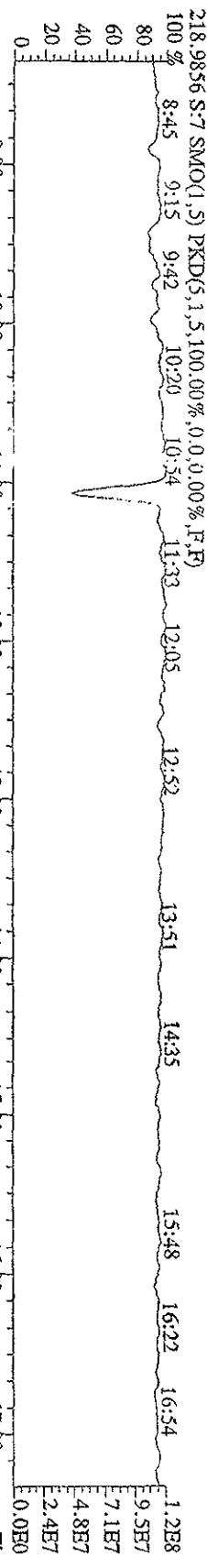
File:151A09D9D5 #1-378 Acq:16-JAN-2009 01:35:31 GC EL+ Voltage STR Autospec-Ultimate  
 Sample#7 Text:ST0115B :2nd Source 09DXN055 Exp:209DB5  
 461.7245 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1768,0,0,00%,F,T)  
 100% A3.60E7



File: 151A09D9D5 #1-378 Acq: 16-JAN-2009 01:35:31 GC: EI+ Voltage: SHR Autospec: Ultimate  
Sample#7 Text: ST0115E : 2nd Source 09DXN035 Exp: 209DB5  
495.6826 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,228,0,0,00%,F,T)



File: 151A09D9D5 #1-609 Acq: 16-JAN-2009 01:33:31 GC EI + Voltage SIR Autospec-UltimaB  
 Sample#7 Text: ST015B : 2nd Source 09DXN035 Exp: 209DB5



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

**TestAmerica West Sacramento  
High Resolution Prep Log  
PCB Solid Analysis**

Box # 37  
Shared QC Batch: 6000  
Shares QC With: NA

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

Internal COC:	
Delivered to Inst.:	<u>LA-29-09</u>
Inst Receipt:	

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	<u>64500</u>
Hexane	Baker	<u>641644</u>
H2SO4	Baker	<u>NA</u>
20% DCM:Hexane	NA	<u>NA</u>
65% DCM:Hexane	NA	<u>3630-40</u>
Silica Gel	<u>Whatman</u>	<u>22-22</u>
Acid Alumina	<u>NA</u>	<u>37</u>

**Batch: 9117268**  
MS Run #:  
Prep Date: 4/27/2009  
Method: Q8 1668  
Matrix: A SOLID  
Extraction: 4W SOXHLET (NOMINAL)  
QC: 6Q CLIENT: STD BZ  
SAC Q8 - A - 4W - 6Q

Soxhlet time on: 1000 Soxhlet time off: 1000

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 10g nom.	Final Volume		Analysis Hold Time Expires
					20uL	Other	
G9D030340 - 1		K9LEP1AC	3/31/2010	<u>10.00</u>	/	/	3/31/2010
G9D030340 - 2		K9LEQ1AC	4/1/2010	<u>10.15</u>	/	/	4/1/2010
G9D030340 - 3		K9LER1AC	4/1/2010	<u>10.45</u>	/	/	4/1/2010
G9D030340 - 4		K9LET1AC	4/1/2010	<u>10.21</u>	/	/	4/1/2010
G9D030340 - 5		K9LEV1AC	4/1/2010	<u>10.00</u>	/	/	4/1/2010
G9D040182 - 1		K9L381AC	3/31/2010	<u>10.15</u>	/	/	3/31/2010
G9D040182 - 2		K9L391AC	3/31/2010	<u>10.45</u>	/	<u>4-29-09</u>	3/31/2010
G9D040182 - 3		K9L4A1AC	3/31/2010	<u>10.00</u>	/	/	3/31/2010
G9D270000 - 268	B	LAT8P1AA	3/31/2010	<u>10.00</u>	/	/	3/31/2010
G9D270000 - 268	C	LAT8P1AC	3/31/2010	<u>10.00</u>	/	/	3/31/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs: Sample will only blow down to 50.0 ul  
MB + LCS PV=20ul

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	<u>100.011 01DXN148</u>	<u>10.25.10</u>	<u>L</u>	<u>UC</u>	<u>4.27.09</u>
Spike Mix LCS/LCSD/MS/MS	<u>100.011 STD 145.08</u>	<u>7.15.09</u>	<u>L</u>	<u>UC</u>	<u>4.27.09</u>
Cleanup Standard All Samples	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Recovery Standard All Samples	<u>20.48 09DXN094</u>	<u>1-28-2010</u>	<u>L</u>	<u>BB</u>	<u>4-29-09</u>
Soxhlet Extraction Analyst/Date	<u>OC/4.27.09</u>				
Split/Archive Analyst/Date	<u>—</u>	Option C Analyst/Date	<u>—</u>	PCB Silica Gel Analyst/Date	<u>L 4.29.09</u>
				PCB Acid Alumina Analyst/Date	<u>L 4-29-09</u>
				Hg Analyst/Date	<u>—</u>
				GPC Analyst/Date	<u>—</u>

## Preparation Data Review Checklist

Prep Batch(es) 9117208 Test: 11/10/09  
 Prep Date: 4/27/09 Holding Times: 1.1 IC NCM: Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	/	/
2. QAS checked for QC instructions (LCS, LCSD, MS, MSD, etc)	/	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	/	NA
4. Worksheets have been checked for required spiking compounds	/	/
5. Spiking volumes are correctly documented	/	/
6. Std ID numbers on spike labels match numbers on bench sheet	/	NA
7. Expiration dates have been checked	/	/
8. Calibration expiration dates on pipettors have been checked	/	NA
9. Spiker and spike witness have signed and dated bench sheet	/	/
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	/
2. Balance upload or raw data for weights is included	NA	/
3. Weights and volumes have been transcribed correctly to LIMS.	NA	/
4. Weights are not targeted to meet exact weights.	NA	/
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	/
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	/
2. Are dates and analysts for cleanups recorded?	NA	/
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	/
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	/
2. Quant/MS entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: Court Gibson Date: 4/27/09  
 2<sup>nd</sup> Level Reviewer: JH Date: 4/29/09  
 Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 4/29/09  
Time: 15:10:28

LEV 1	LEV 2	Blank	Weights/Volumes
Y	Y	Check	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Vial contains correct volume
Y	Y		Labels, greenbars, worksheets
Y	Y		computer batch: correct & all match
Y	Y		Anomalies to Extraction Method

Expanded Deliverable  
COC Completed  
Y Bench Sheet Copied  
Package Submitted to Analytical Group  
Bench Sheet Copied per COC

\*\*\*\*\*  
\* QC BATCH: 9117268 \*  
\* PREP DATE: 4/27/09 18:00 \*  
\* COMP DATE: 4/29/09 10:00 \*  
\*\*\*\*\*

Extractionist: 002084 Ceasar Cortez

Concentrationist: 006625 Elizabeth Nguyen

Reviewer/Date: NGUYENE / 4/29/09

PCBs, HRGC/HRMS (1668)  
SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/VOL Wt/VOL	PH'S INIT	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS	SPIKE STANDARD/ SURROGATE ID
3/31/10	5/01/09	G9D030340-001 K9LEP-1-AC		4W	Q8 SOLID	10.00g 20.00uL	NA	NA	TOL	300.0	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
4/01/10	5/01/09	G9D030340-002 K9LEQ-1-AC		4W	Q8 SOLID	10.18g 20.00uL	NA	NA	TOL	300.0	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
4/01/10	5/01/09	G9D030340-003 K9LER-1-AC		4W	Q8 SOLID	10.43g 20.00uL	NA	NA	TOL	300.0	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
4/01/10	5/01/09	G9D030340-004 K9LET-1-AC		4W	Q8 SOLID	10.21g 20.00uL	NA	NA	TOL	300.0	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
4/01/10	5/01/09	G9D030340-005 K9LEV-1-AC		4W	Q8 SOLID	10.06g 20.00uL	NA	NA	TOL	300.0	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
3/31/10	5/01/09	G9D040182-001 K9L38-1-AC		4W	Q8 SOLID	10.15g 20.00uL	NA	NA	TOL	300.0	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												
3/31/10	5/01/09	G9D040182-002 K9L39-1-AC		4W	Q8 SOLID	10.25g 20.00uL	NA	NA	TOL	300.0	300.0	.0 100.0UL IS 09DXN148
COMMENTS:												



RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 4/29/09  
Time: 15:10:28

\*\*\*\*\*  
\* QC BATCH: 9117268 \*  
\* PREP DATE: 4/27/09 18:00  
\* COMP DATE: 4/29/09 10:00  
\*\*\*\*\*

EXTR EXPR	ANL DUE	LOT# MSRUN# / WORK ORDER	TEST FLGS	EXT MPH	MATRIX	INIT /FIN WT/VOL	PH'S ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID
3/31/10	5/01/09	G9D040182-003 KSLAA-1-AC		4W	Q8 SOLID	10.07g 20.00uL	NA	NA	TOL 300.0	.0	100.0UL IS 09DXN148
3/31/10	0/00/00	G9D270000-268 LATSP-1-AAB		4W	Q8 SOLID	10.00g 20.00uL	NA	NA	TOL 300.0	.0	100.0UL IS 09DXN148
3/31/10	0/00/00	G9D270000-268 LATSP-1-ACC		4W	Q8 SOLID	10.00g 20.00uL	NA	NA	TOL 300.0	.0	100.0UL NS STD0145-08 100.0UL IS 09DXN148

---

R = RUSH      C = CLP  
E = EPA 600    D = EXP.DEL)  
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 10

**Data Checklist**  
**HRGCMS/LRGCMS Analyses**

THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 917268 Method ID: 1668

Data Analyst: Sh DB-5 DB-225  
 Date initiated: 9/6/09  
 Reviewer: FR  
 Date reviewed: 9/19/09

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Method Blank present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-LCS/DCS copy present and meets native recovery criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard recoveries within limits?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Ion ratios within + 15% of theoretical values?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Other QC (Dup,MS,SD) within specs?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All raw data present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Standard target DL's used? If RL's are used specify: <u>20</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-DL's below TDL / LCL (please circle)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All positives reported at levels greater than method blank DL's?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Correct RRF's used for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard amounts correct for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Target analytes are not saturated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Dilution/splitting of extract taken into account?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Have dilution calculations been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Has a manual calculation for the sequence(s) been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Are retention times (RT) correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Manual integrations checked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Comments:** (Use other side if necessary) ① 9/605 ② 9/735 ③ 9/738

* Recovery limits:	**RPD limits:
NCASI 551: 40-120%***	50%
Method 8290: 40-135%***	20%
Method 1613: 25-150%***	50%
Method 23: 40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)	50%
PCBs: 25-150%***	50%
Method 8280: 40-120%***	
DFLM01.0: 25-150%***	
Method 1614: 25-150%***	

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

# SOLID, D 2216-90, Percent Moisture

# % Moisture/Solid Worksheet

QCBATCH: 9117234

Analyzed by: FRANCISF

Report created: 4/28/09 7:20:15 AM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G9D030340-1	K9LEP1AA	1.30	3.05	2.67	0.38	21.71	78.29	0.1		4/28/09 7:18:49 AM
G9D030340-1	K9LEP1AD	1.29	2.99	2.64	0.35	20.59	79.41	0.1		4/28/09 7:18:56 AM
G9D030340-2	K9LEQ1AA	1.29	3.70	3.06	0.64	26.56	73.44	0.1		4/28/09 7:19:05 AM
G9D030340-3	K9LER1AA	1.29	4.06	3.34	0.72	25.99	74.01	0.1		4/28/09 7:19:12 AM
G9D030340-4	K9LET1AA	1.29	4.11	3.87	0.24	8.51	91.49	0.1		4/28/09 7:19:19 AM
G9D030340-5	K9LEV1AA	1.29	5.02	4.48	0.54	14.48	85.52	0.1		4/28/09 7:19:28 AM
G9D040182-1	K9L381AA	1.29	4.30	3.47	0.83	27.57	72.43	0.1		4/28/09 7:19:36 AM
G9D040182-2	K9L391AA	1.29	5.25	4.28	0.97	24.49	75.51	0.1		4/28/09 7:19:44 AM
G9D040182-3	K9L4A1AA	1.29	4.96	4.50	0.46	12.53	87.47	0.1		4/28/09 7:19:52 AM
G9D170293-1	LAAGF1AA	1.30	11.11	9.69	1.42	14.48	85.52	0.1		4/28/09 7:20:02 AM
G9D170345-4	LAA0X1AC	1.30	6.55	5.93	0.62	11.81	88.19	0.1		4/28/09 7:20:10 AM

JDR  
4/28/09

All weights are in grams.  
Sample weights (wet & dry) include the weight (tare) of the sample pan.  
Wt Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).  
% Water = (Wt. Diff./sample wet weight - pan tare)\*100  
% Solid = 100 - percent Water

June 23, 2009

**TestAmerica Project Number: G9E270196**  
PO/Contract: 565

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on May 27, 2009. These samples are associated with your KHF project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

## Table of Contents

### TestAmerica West Sacramento Project Number G9E270196

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

## Case Narrative

### TestAmerica West Sacramento Project Number G9E270196

#### AIR, 1668, WHO PCB congeners

##### Sample: 1

This sample has a high recovery for the 13C12-PCB 126 internal standard due to matrix interferences. Since the sample result for the corresponding isomer PCB 126 is non-detect well below the detection limit, no corrective action was performed. There should be no impact on the data.

##### Sample: 2

The PCB 77 detection limit has been elevated for this sample due to matrix interferences. This elevated detection limit has been flagged with a 'G' qualifier and may be considered a maximum possible concentration.

There are no other anomalies associated with this project.

**TestAmerica Laboratories West Sacramento Certifications/Accreditations**

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	NA

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

**QC Parameter Definitions**

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.



## Sample Summary

### TestAmerica West Sacramento Project Number G9E270196

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LDR1T	1	MAY-09-UMSI-TO9A	5/2/2009 12:01 AM	5/27/2009 08:55 AM
LDR12	2	MAY-09-DMSI-TO9A	5/2/2009 12:01 AM	5/27/2009 08:55 AM
LDR2A	3	MAY-09-UMSI-TO9A-DUP	5/2/2009 12:01 AM	5/27/2009 08:55 AM
LDR2F	4	MAY-09-MSP-TO9A	5/2/2009 12:01 AM	5/27/2009 08:55 AM
LDR2J	5	MAY-09-BLANK-TO9A	5/2/2009 12:01 AM	5/27/2009 08:55 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

**Chain of Custody Record**



STL Denver  
4955 Yarrow Street  
Arvada, CO 80002

Severn Trent Laboratories, Inc.

STL 4124 (0901) Client: **CHEM. WASTE MGMT., INC.** Project Manager: **PAUL TOROK** Date: **05/26/09** Chain of Custody Number: **334788**  
 Address: **35251 OLD SKYLINE ROAD** Telephone Number (Area Code)/Fax Number: **(559) 386-6151** Lab Number: **Page 1 of 1**  
 City: **RETTIGMAN CITY** State: **LA** Zip Code: **93239** Lab Contact: **KAREN DALL**  
 Project Name and Location (State): **RHF** Carrier/Maybill Number: **FTD EX.**

Sample ID No and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
MAY-09- WAST-T09A	05/26/09	0001	X												
MAY-09- WAST-T09A			X												
MAY-09- WAST-T09A-DUP			X												
MAY-09- WAST-T09A			X												
MAY-09- BLANK-T09A			X												

Possible Hazard Identification:  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**

QC Requirements (Specify):  
 1. Relinquished By: **Steve E. Holden** Date: **05/26/09 1700** Time: \_\_\_\_\_  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: **C. Long** Date: **5/26/09** Time: **0950**  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \_\_\_\_\_

CLIENT Wenck PM PD LOG # 58751

LOT# (QUANTIMS ID) G9E270196 QUOTE# 81207 LOCATION W14D

DATE RECEIVED 5/27/09 TIME RECEIVED 0855 Initials EV Date 5/27/09

DELIVERED BY  FEDEX  CA OVERNIGHT  CLIENT  
 AIRBORNE  GOLDENSTATE  DHL  
 UPS  BAX GLOBAL  GO-GETTERS  
 TAL COURIER  VALLEY LOGISTICS  MORGAN HILL COURIER  
 OTHER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) 344863

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER \_\_\_\_\_

COC #(S) 334788

TEMPERATURE BLANK Observed: 4 Corrected: 4

SAMPLE TEMPERATURE Observed: NA Average: \_\_\_\_\_ Corrected Average \_\_\_\_\_

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)\*1  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Notes: \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C

Lot ID: 69E270196

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF	/	/	/	/	/															
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 4/09 RKE

LEAVE NO SPACES BLANK USE "NA" IF NOT APPLICABLE.

# AIR, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: MAY-09-UMSI-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9E270196-001    Work Order #...: LDR1T1AA    Matrix.....: AIR  
 Date Sampled...: 05/02/09    Date Received...: 05/27/09  
 Prep Date.....: 05/29/09    Analysis Date...: 06/11/09  
 Prep Batch #...: 9152249  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	2400 C	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	101	(25 - 150)
13C12-PCB 81	100	(25 - 150)
13C12-PCB 118	121	(25 - 150)
13C12-PCB 114	128	(25 - 150)
13C12-PCB 105	136	(25 - 150)
13C12-PCB 126	164 *	(25 - 150)
13C12-PCB 167	106	(25 - 150)
13C12-PCB 156	110	(25 - 150)
13C12-PCB 157	113	(25 - 150)
13C12-PCB 169	118	(25 - 150)

NOTE(S) :

C Co-eluting isomer.

\* Surrogate recovery is outside stated control limits

Wenck Associates, Inc.

Client Sample ID: MAY-09-DMSI--TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9E270196-002    Work Order #...: LDR121AA    Matrix.....: AIR  
 Date Sampled...: 05/02/09    Date Received...: 05/27/09  
 Prep Date.....: 05/29/09    Analysis Date...: 06/11/09  
 Prep Batch #...: 9152249  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND G	2900	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>6100 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>14000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	100	(25 - 150)
13C12-PCB 81	97	(25 - 150)
13C12-PCB 118	112	(25 - 150)
13C12-PCB 114	115	(25 - 150)
13C12-PCB 105	118	(25 - 150)
13C12-PCB 126	132	(25 - 150)
13C12-PCB 167	108	(25 - 150)
13C12-PCB 156	108	(25 - 150)
13C12-PCB 157	111	(25 - 150)
13C12-PCB 169	93	(25 - 150)

**NOTE(S) :**

- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: MAY-09-UMSI-TO9A-DUP

Trace Level Organic Compounds

Lot-Sample #...: G9E270196-003    Work Order #...: LDR2A1AA    Matrix.....: AIR  
 Date Sampled...: 05/02/09    Date Received...: 05/27/09  
 Prep Date.....: 05/29/09    Analysis Date...: 06/11/09  
 Prep Batch #...: 9152249  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>2500 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	103	(25 - 150)
13C12-PCB 81	95	(25 - 150)
13C12-PCB 118	122	(25 - 150)
13C12-PCB 114	126	(25 - 150)
13C12-PCB 105	128	(25 - 150)
13C12-PCB 126	148	(25 - 150)
13C12-PCB 167	102	(25 - 150)
13C12-PCB 156	101	(25 - 150)
13C12-PCB 157	103	(25 - 150)
13C12-PCB 169	85	(25 - 150)

NOTE(S) :

C Co-eluting isomer.



Wenck Associates, Inc.

Client Sample ID: MAY-09-MSP-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9E270196-004    Work Order #...: LDR2F1AA    Matrix.....: AIR  
 Date Sampled...: 05/02/09    Date Received...: 05/27/09  
 Prep Date.....: 05/29/09    Analysis Date...: 06/11/09  
 Prep Batch #...: 9152249  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	2000 C	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	4700 C	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	94	(25 - 150)
13C12-PCB 81	90	(25 - 150)
13C12-PCB 118	106	(25 - 150)
13C12-PCB 114	109	(25 - 150)
13C12-PCB 105	112	(25 - 150)
13C12-PCB 126	129	(25 - 150)
13C12-PCB 167	103	(25 - 150)
13C12-PCB 156	106	(25 - 150)
13C12-PCB 157	111	(25 - 150)
13C12-PCB 169	98	(25 - 150)

NOTE(S) :

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: MAY-09-BLANK-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9E270196-005    Work Order #...: LDR2J1AA    Matrix.....: AIR  
 Date Sampled...: 05/02/09    Date Received...: 05/27/09  
 Prep Date.....: 05/29/09    Analysis Date...: 06/11/09  
 Prep Batch #...: 9152249  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	78	(25 - 150)
13C12-PCB 81	75	(25 - 150)
13C12-PCB 118	85	(25 - 150)
13C12-PCB 114	83	(25 - 150)
13C12-PCB 105	84	(25 - 150)
13C12-PCB 126	86	(25 - 150)
13C12-PCB 167	108	(25 - 150)
13C12-PCB 156	106	(25 - 150)
13C12-PCB 157	106	(25 - 150)
13C12-PCB 169	90	(25 - 150)

# QC DATA ASSOCIATION SUMMARY

G9E270196

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9152249	
002	AIR	EPA-14 1668		9152249	
003	AIR	EPA-14 1668		9152249	
004	AIR	EPA-14 1668		9152249	
005	AIR	EPA-14 1668		9152249	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9E270196      Work Order #...: LD4R61AA      Matrix.....: AIR  
 MB Lot-Sample #: G9F010000-249  
 Analysis Date..: 06/11/09      Prep Date.....: 05/29/09  
 Dilution Factor: 1              Prep Batch #...: 9152249

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	70	(25 - 150)
13C12-PCB 81	68	(25 - 150)
13C12-PCB 118	73	(25 - 150)
13C12-PCB 114	69	(25 - 150)
13C12-PCB 105	69	(25 - 150)
13C12-PCB 126	68	(25 - 150)
13C12-PCB 167	90	(25 - 150)
13C12-PCB 156	89	(25 - 150)
13C12-PCB 157	90	(25 - 150)
13C12-PCB 169	91	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9E270196      Work Order #...: LD4R61AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9F010000-249  
 Prep Date.....: 05/29/09      Analysis Date...: 06/10/09  
 Prep Batch #...: 9152249  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	4200	pg	105	EPA-14 1668
PCB 81 (BZ)	4000	4450	pg	111	EPA-14 1668
PCB 105 (BZ)	4000	4350 C	pg	109	EPA-14 1668
PCB 114 (BZ)	4000	4360	pg	109	EPA-14 1668
PCB 118 (BZ)	4000	4400 C	pg	110	EPA-14 1668
PCB 123 (BZ)	4000	4370	pg	109	EPA-14 1668
PCB 126 (BZ)	4000	4200	pg	105	EPA-14 1668
PCB 156 (BZ)	4000	4370	pg	109	EPA-14 1668
PCB 157 (BZ)	4000	4310	pg	108	EPA-14 1668
PCB 167 (BZ)	4000	4390	pg	110	EPA-14 1668
PCB 169 (BZ)	4000	4120	pg	103	EPA-14 1668
PCB 189 (BZ)	4000	4220	pg	105	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	75	(25 - 150)
13C12-PCB 81	74	(25 - 150)
13C12-PCB 118	78	(25 - 150)
13C12-PCB 114	79	(25 - 150)
13C12-PCB 105	79	(25 - 150)
13C12-PCB 126	85	(25 - 150)
13C12-PCB 167	96	(25 - 150)
13C12-PCB 156	95	(25 - 150)
13C12-PCB 157	96	(25 - 150)
13C12-PCB 169	97	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

C Co-eluting isomer.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G9E270196      Work Order #...: LD4R61AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9F010000-249  
 Prep Date.....: 05/29/09      Analysis Date...: 06/10/09  
 Prep Batch #...: 9152249  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	105	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	111	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	109 C	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	109	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	110 C	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	109	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	105	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	109	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	108	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	110	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	103	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	105	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	75	(25 - 150)
13C12-PCB 81	74	(25 - 150)
13C12-PCB 118	78	(25 - 150)
13C12-PCB 114	79	(25 - 150)
13C12-PCB 105	79	(25 - 150)
13C12-PCB 126	85	(25 - 150)
13C12-PCB 167	96	(25 - 150)
13C12-PCB 156	95	(25 - 150)
13C12-PCB 157	96	(25 - 150)
13C12-PCB 169	97	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

C Co-eluting isomer.

# AIR, 1668, WHO PCB congeners

# **Raw Data Package**



## **Run/Batch Data**

*Includes (as applicable):*

*runlogs*

*continuing calibration standards*

*interference/performance check standards*

*continuing calibration blanks*

*method blanks*

*lcs*

*ms/sd*

*sample raw data*

*ms tune data*

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
 Printed: Friday, June 12, 2009 19:08:30 Pacific Daylight Time

Name: 10JUN0910D5\_8, Date: 11-Jun-2009, Time: 00:15:08, ID: LD4R6-1-AAB, Description: G9E270196-1MB, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M.	Abs.Resp	p9	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1 13C-PeCB-101	335.924	0.500	31.99	32.13	18021	763729.19	84.7558	84.7558	2.1	0.07918	0.63	NO	
2													
3 13C-TeCB-81	301.963	0.500	33.90	33.94	1.03599	541481.20	2737.4758	2737.4758	68.4	3.31792	0.78	NO	
4 TeCB-81	289.922	0.500	33.92	33.92	1.44583		ND			1.64558		NO	
5 13C-TeCB-77	301.963	0.500	34.59	34.64	1.08641	580509.36	2798.5717	2798.5717	70.0	3.16392	0.77	NO	
6 TeCB-77	289.922	0.500	34.61	34.61	1.29292		ND			1.85268		NO	
7 13C-PeCB-123	335.924	0.500	36.27	36.27	0.95097	520269.98	2865.3738	2865.3738	71.6	3.92944	0.63	NO	
8 PeCB-123	323.883	0.500	36.45	36.29	1.51322	2162.64	10.9879	10.9879	ND	1.59885	0.59	NO	
9 13C-PeCB-118	335.924	0.500	36.44	36.44	0.97393	541896.53	2914.1380	2914.1380	72.9	3.83682	0.63	NO	
10 PeCB-118/106	323.883	0.500	37.24	36.45	1.52848	435.39	2.4026	2.4026	ND	1.50444	0.50	YES	
11 13C-PeCB-114	335.924	0.500	37.23	37.22	1.01913	539892.97	2774.5848	2774.5848	69.4	3.66664	0.63	NO	
12 PeCB-114	323.883	0.500	37.24	37.24	1.58175		ND			1.42695		NO	
13 13C-PeCB-105	335.924	0.500	38.28	38.30	0.96994	508167.69	2744.0054	2744.0054	68.6	3.85262	0.63	NO	
14 PeCB-105/127	323.883	0.500	38.32	38.30	1.41405	844.53	4.7012	4.1986		1.76747	0.80	YES	
15 13C-PeCB-126	335.924	0.500	40.60	40.65	1.05005	547797.75	2732.3081	2732.3081	68.3	3.55867	0.62	NO	
16 PeCB-126	323.883	0.500	40.63	40.63	1.18292		ND			1.91515		NO	
17 13C-OcCB-202	439.804	0.500	43.40	43.51	22301	755980.53	67.7963	67.7963	1.7	0.03527	0.91	NO	
18													
19 13C-HxCB-167	371.882	0.500	41.98	41.99	0.92060	626573.03	3601.2139	3601.2139	90.0	3.05004	1.29	NO	
20 HxCB-167	359.841	0.500	41.90	42.01	1.34432	527.90	2.5069	1.8918		1.84662	1.97	YES	
21 13C-HxCB-156	371.882	0.500	43.54	43.57	0.74676	501576.94	3553.9065	3553.9065	88.8	3.76007	1.29	NO	
22 HxCB-156	359.841	0.500	43.60	43.57	1.67701	658.49	3.4344	3.1314		1.86621	1.26	NO	
23 13C-HxCB-157	371.882	0.500	43.93	43.96	0.78876	538102.14	3609.6799	3609.6799	90.2	3.55985	1.27	NO	
24 HxCB-157	359.841	0.500	43.95	43.95	1.65897					1.69298		NO	
25 13C-HxCB-169	371.882	0.500	46.16	46.21	0.84240	578932.78	3636.3112	3636.3112	90.9	3.33320	1.28	NO	
26 HxCB-169	359.841	0.500	46.18	46.19	1.15392	881.48	5.2780	5.2780		2.24396	1.36	NO	
27													
28 13C-HpCB-180	405.843	0.500	44.72	44.72	0.63199	426448.47	3570.2978	3570.2978	89.3	3.06998	1.03	NO	
29 HpCB-180	393.803	0.500	44.75	44.75	1.27271	653.91	4.8493	3.0822		2.01395	2.19	YES	
30 13C-HpCB-170	405.843	0.500	46.72	46.73	0.51406	352202.45	3625.1880	3625.1880	90.6	3.77429	1.04	NO	
31 HpCB-170	393.803	0.500	46.73	46.73	1.58019	334.49	2.4041	2.0070		1.95511	1.44	YES	
32 13C-HpCB-189	405.843	0.500	48.59	48.58	0.70062	457497.89	3455.0872	3455.0872	86.4	2.76928	1.05	NO	
33 HpCB-189	393.803	0.500	48.62	48.62	1.22015	474.75	3.4019	3.4019		1.72278	1.05	NO	

8  
 V<sub>D</sub> C<sub>19</sub> = 1000  
 09

Quantify Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
 Printed: Friday, June 12, 2009 19:08:30 Pacific Daylight Time

Name: 10JN0910D5\_8, Date: 11-Jun-2009, Time: 00:15:08, ID: LD4R6-1-AAB, Description: G9E270196-1MB, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF Min	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36													
37	13C-PeCB-111	335.924	0.500	33.77	33.90	1.28382	4082.2252	696515.78	102.1	4.79190	0.62	NO	
38													
39	Function 3 PFK	380.976	1.000			0.00							
40	Function 4 PFK	380.976	1.000			0.00							

Quantify Sample Report MassLynx 4.1

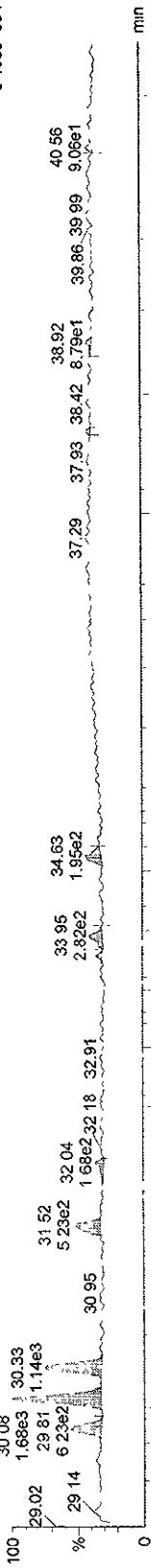
Dataset: C:\MassLynx\Default\pro\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

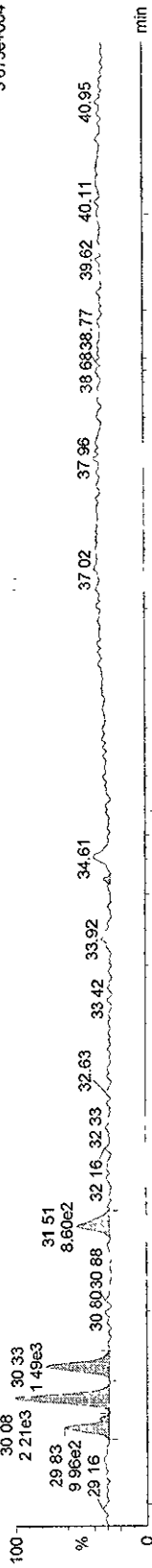
Name: 10JN0910D5\_8, Date: 11-Jun-2009, Time: 00:15:08, ID: LD4R6-1-AAB, Description: G9E270196-1MB

TetraPCBs

10JN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB  
30.08

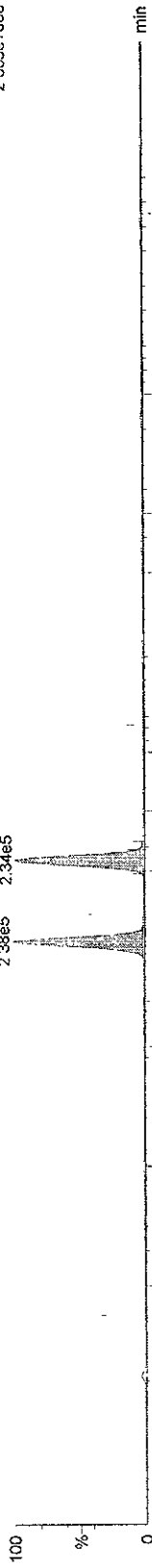


10JN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB  
30.08

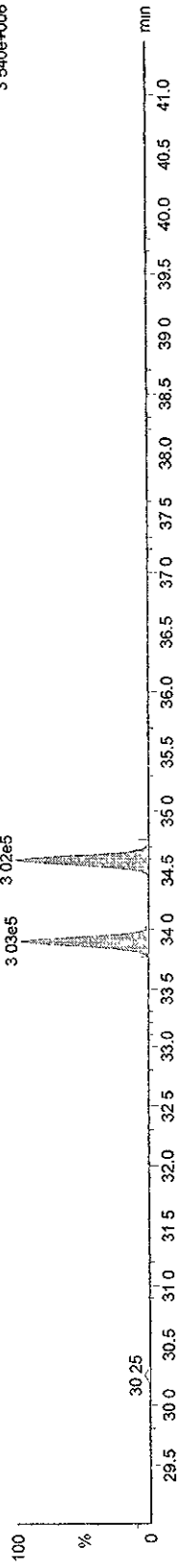


13C-TetrasPCBs

10JN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB



10JN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB



Quantify Sample Report MassLynx 4.1

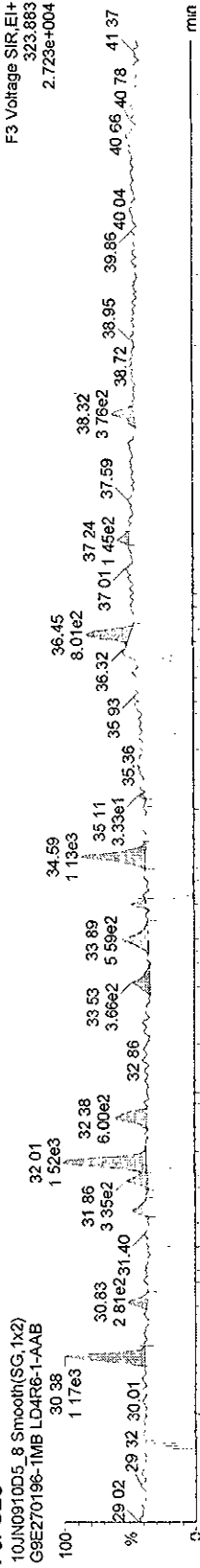
Dataset: C:\MassLynx\Default\pro1\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

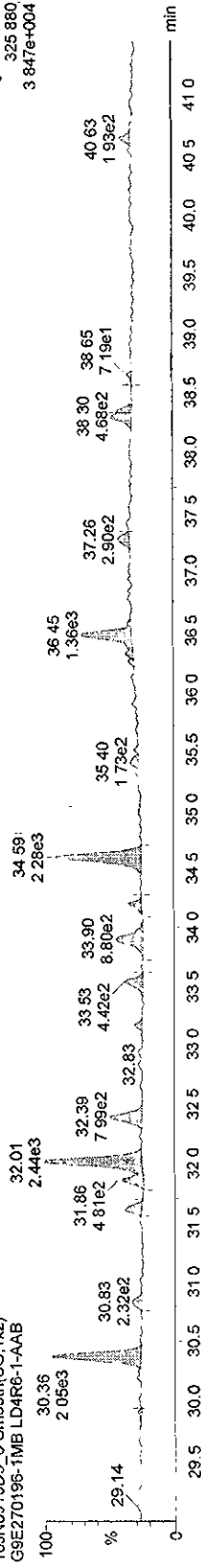
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_8, Date: 11-Jun-2009, Time: 00:15:08, ID: LD4R6-1-AAB, Description: G9E270196-1MB

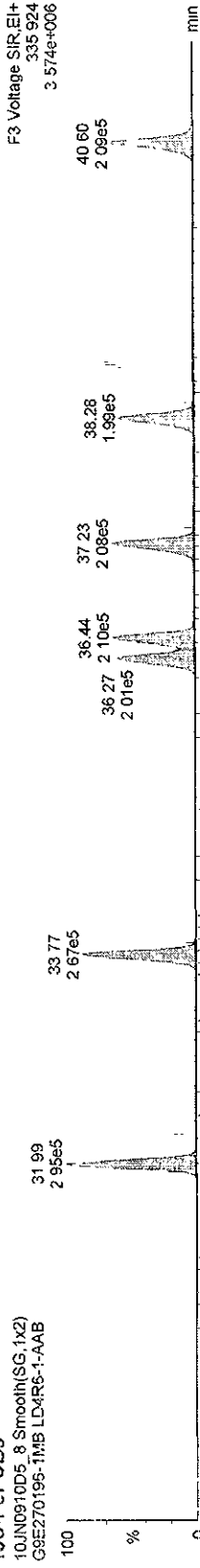
PePCBs



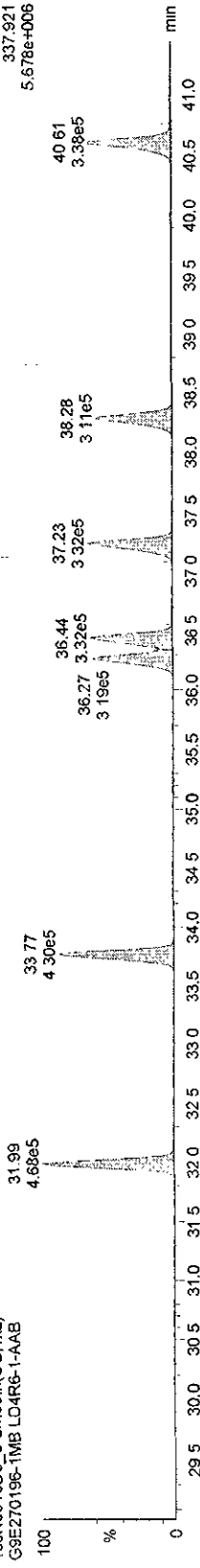
10C-PePCBs



13C-PePCBs



13C-PePCBs



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

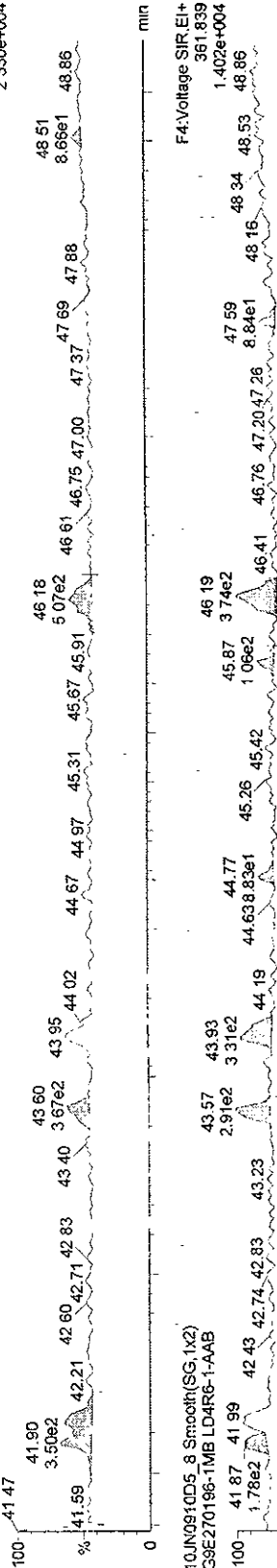
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_8, Date: 11-Jun-2009, Time: 00:15:08, ID: LD4R6-1-AAB, Description: G9E270196-1MB

HxPCBs-

10JN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB

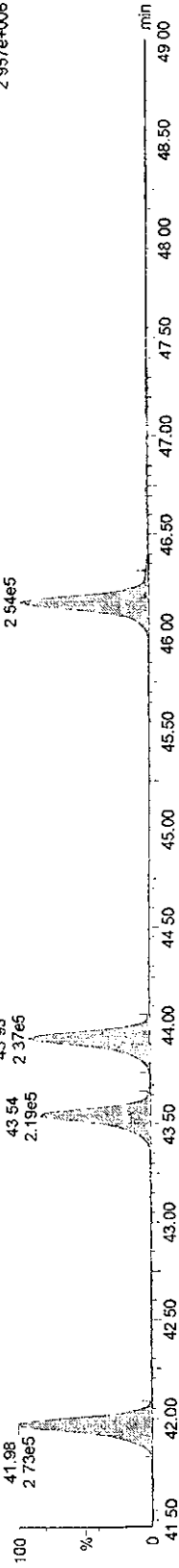


13C-HxPCBs

10JN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB



10JN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB



Quantify Sample Report MassLynx 4.1

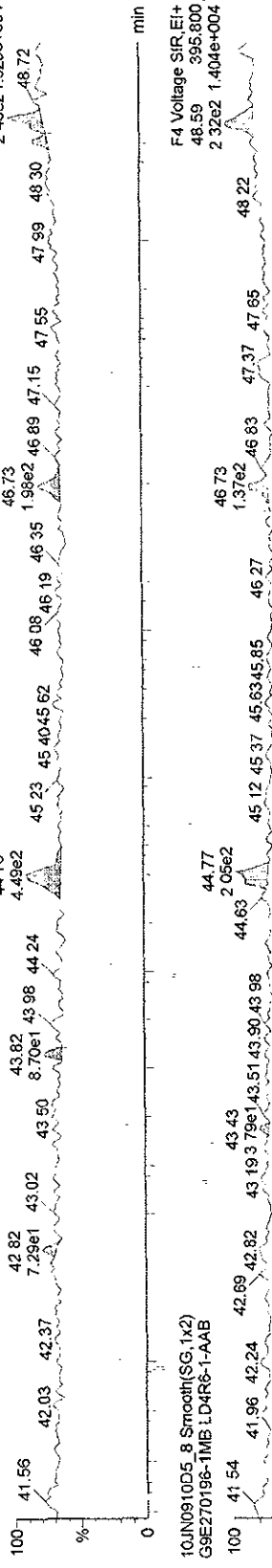
Dataset: C:\MassLynx\Default.prn\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_8, Date: 11-Jun-2009, Time: 00:15:08, ID: LD4R6-1-AAB, Description: G9E270196-1MB

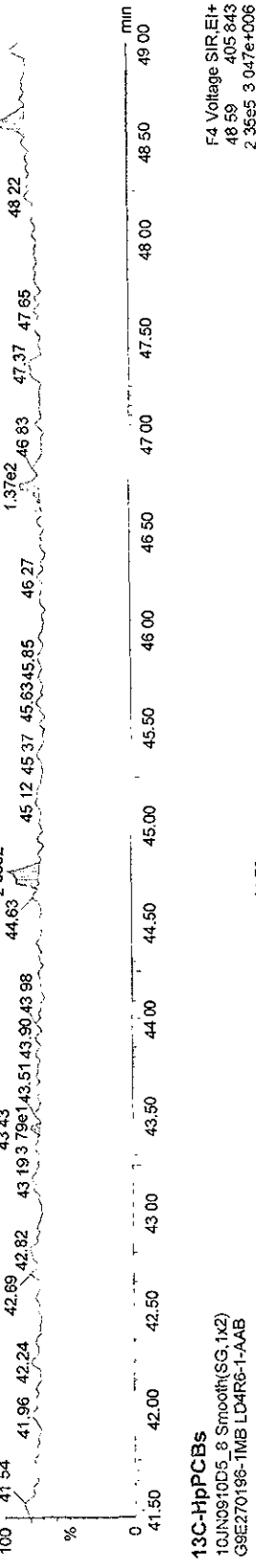
HpPCBs

10JUN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB



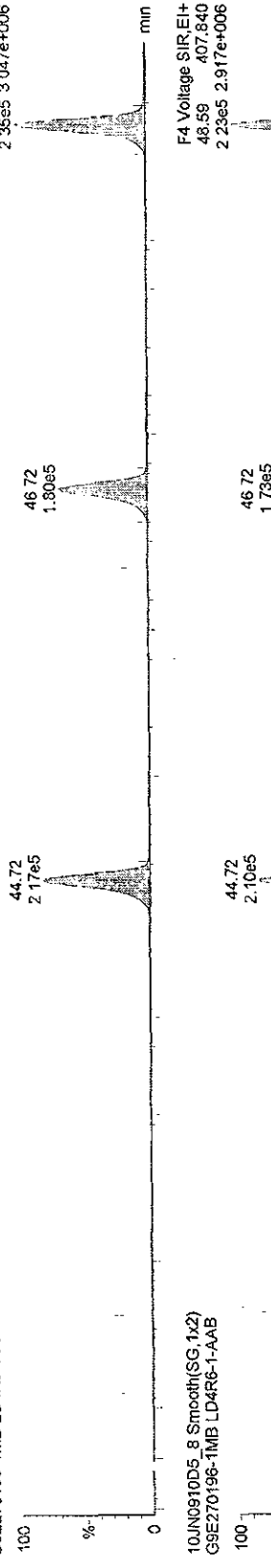
13C-HpPCBs

10JUN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB



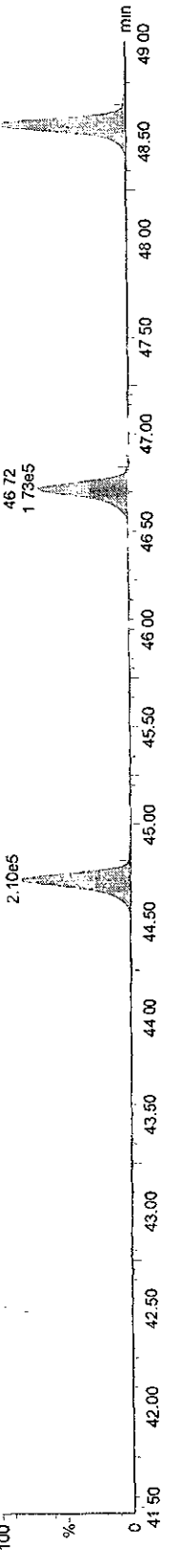
13C-HpPCBs

10JUN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB



13C-HpPCBs

10JUN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

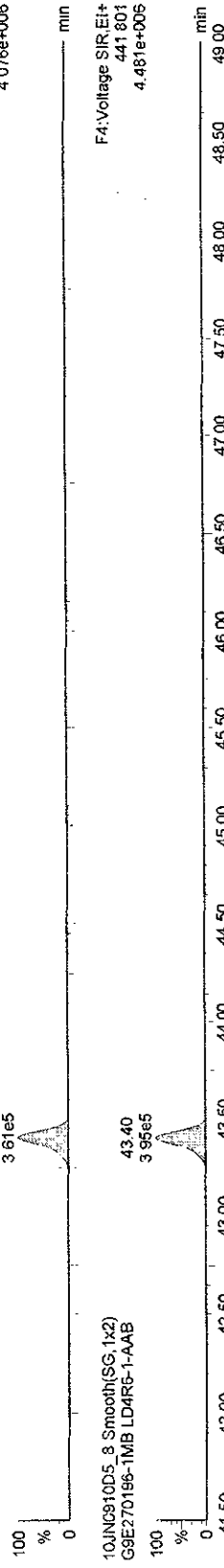
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_8, Date: 11-Jun-2009, Time: 00:15:08, ID: LD4R6-1-AAB, Description: G9E270196-1MB

13C-OcCB-202

10JN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB

F4: Voltage SIR, EI+  
439 804  
4 076e+006



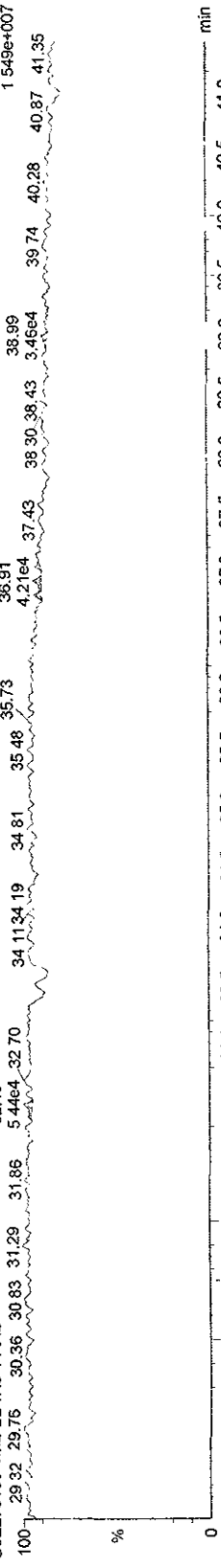
10JN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB

F4: Voltage SIR, EI+  
441 801  
4.481e+006

Function 3 PFK

10JN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB

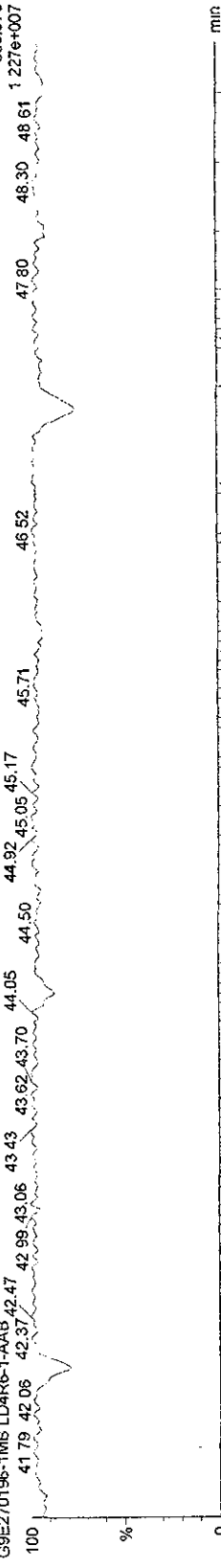
F3: Voltage SIR, EI+  
380.978  
1 549e+007



Function 4 PFK

10JN0910D5\_8 Smooth(SG,1x2)  
G9E270196-1MB LD4R6-1-AAB

F4: Voltage SIR, EI+  
380.978  
1 227e+007





7  
 VS 6.19.09

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
 Printed: Friday, June 12, 2009 19:08:30 Pacific Daylight Time

Name: 10JUN0910D5\_7, Date: 10-Jun-2009, Time: 23:18:18, ID: LD4R6-1-ACC, Description: G9E270196-1LCS, Task:

#	Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1	13C-PeCB-101	335.924	0.500	32.01	32.13	18021....	679045.78	75.3579	75.3579	1.9	0.07835	0.63	NO	
2														
3	13C-TeCB-81	301.963	0.500	33.92	33.96	1.03599	521946.09	2967.7881	2967.7881	74.2	4.01553	0.80	NO	
4	TeCB-81	289.922	0.500	33.94	33.94	1.44583	839225.00	4448.3021	4448.3021		2.96895	0.76	NO	
5	13C-TeCB-77	301.963	0.500	34.61	34.66	1.08641	550628.59	2985.5634	2985.5634	74.6	3.82915	0.77	NO	
6	TeCB-77	289.922	0.500	34.63	34.63	1.29292	746704.47	4195.4520	4195.4520		3.24908	0.76	NO	
7														
8	13C-PeCB-123	335.924	0.500	36.29	36.29	0.95097	516080.48	3196.7618	3196.7618	79.9	4.37334	0.62	NO	
9	PeCB-123	323.883	0.500	36.32	36.30	1.51322	853365.63	4370.9533	4370.9533		2.21175	0.61	NO	
10	13C-PeCB-118	335.924	0.500	36.45	36.45	0.97393	516003.19	3120.9474	3120.9474	78.0	4.27026	0.64	NO	
11	PeCB-118/106	323.883	0.500	36.49	36.47	1.52848	867741.34	4400.8615	4400.8615		2.10888	0.62	NO	
12	13C-PeCB-114	335.924	0.500	37.26	37.24	1.01913	547272.34	3163.2548	3163.2548	79.1	4.08085	0.62	NO	
13	PeCB-114	323.883	0.500	37.28	37.28	1.58175	943127.13	4358.0174	4358.0174		1.96588	0.60	NO	
14	13C-PeCB-105	335.924	0.500	38.32	38.32	0.96994	521769.41	3168.8148	3168.8148	79.2	4.28784	0.63	NO	
15	PeCB-105/127	323.883	0.500	38.33	38.33	1.41405	801519.72	4345.4216	4345.4216		2.26268	0.61	NO	
16	13C-PeCB-126	335.924	0.500	40.63	40.66	1.05005	603622.61	3386.2207	3386.2207	84.7	3.96068	0.61	NO	
17	PeCB-126	323.883	0.500	40.65	40.66	1.18292	749231.78	4197.1471	4197.1471		2.31532	0.60	NO	
18														
19	13C-OcCB-202	439.804	0.500	43.44	43.51	2.2301...	784411.63	70.3460	70.3460	1.8	0.03684	0.90	NO	
20														
21	13C-HxCB-167	371.882	0.500	42.01	42.03	0.92060	689925.19	3821.6051	3821.6051	95.5	3.59194	1.29	NO	
22	HxCB-167	359.841	0.500	42.03	42.04	1.34432	1018875.03	4394.1687	4394.1687		3.10822	1.24	NO	
23	13C-HxCB-156	371.882	0.500	43.57	43.61	0.74676	556678.19	3801.3621	3801.3621	95.0	4.42813	1.28	NO	
24	HxCB-156	359.841	0.500	43.61	43.60	1.67701	1020294.81	4371.6500	4371.6500		3.18518	1.25	NO	
25	13C-HxCB-157	371.882	0.500	43.96	43.99	0.78876	594544.30	3843.7468	3843.7468	96.1	4.19234	1.27	NO	
26	HxCB-157	359.841	0.500	43.98	43.98	1.65897	1061620.66	4305.3258	4305.3258		2.95870	1.24	NO	
27	13C-HxCB-169	371.882	0.500	46.19	46.24	0.84240	643583.41	3895.8689	3895.8689	97.4	3.92541	1.28	NO	
28	HxCB-169	359.841	0.500	46.21	46.22	1.15392	765819.16	4124.8275	4124.8275		3.90826	1.24	NO	
29														
30	13C-HpCB-180	405.843	0.500	44.75	44.75	0.63199	470882.58	3799.4182	3799.4182	95.0	2.95516	1.06	NO	
31	HpCB-180	393.803	0.500	44.77	44.78	1.27271	661495.25	4415.1482	4415.1482		2.48603	1.03	NO	
32	13C-HpCB-170	405.843	0.500	46.75	46.77	0.51406	393713.56	3905.5763	3905.5763	97.6	3.63313	1.05	NO	
33	HpCB-170	393.803	0.500	46.77	46.77	1.58019	683585.06	4395.0408	4395.0408		2.33456	1.03	NO	
34	13C-HpCB-189	405.843	0.500	48.62	48.61	0.70062	493422.23	3591.3292	3591.3292	89.8	2.66571	1.03	NO	
35	HpCB-189	393.803	0.500	48.64	48.65	1.22015	634750.91	4217.2657	4217.2657		2.21774	1.01	NO	

Quantify Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
 Printed: Friday, June 12, 2009 19:08:30 Pacific Daylight Time

Name: 10JUN0910D5\_7, Date: 10-Jun-2009, Time: 23:18:18, ID: LD4R6-1-ACC, Description: G9E270196-1LCS, Task:

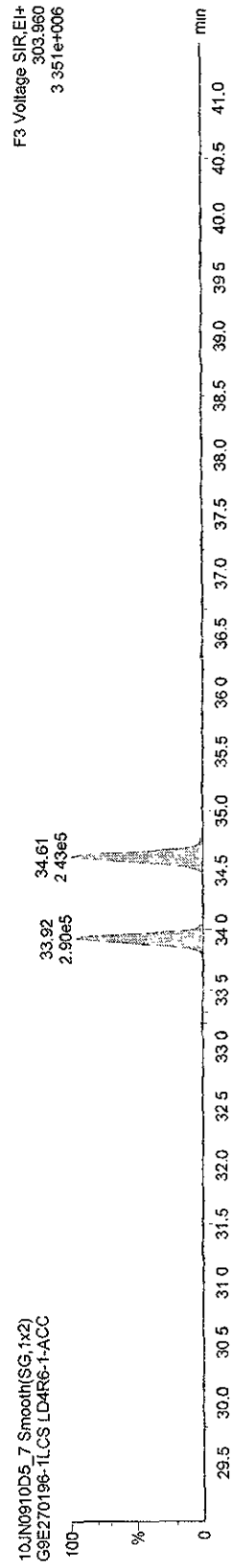
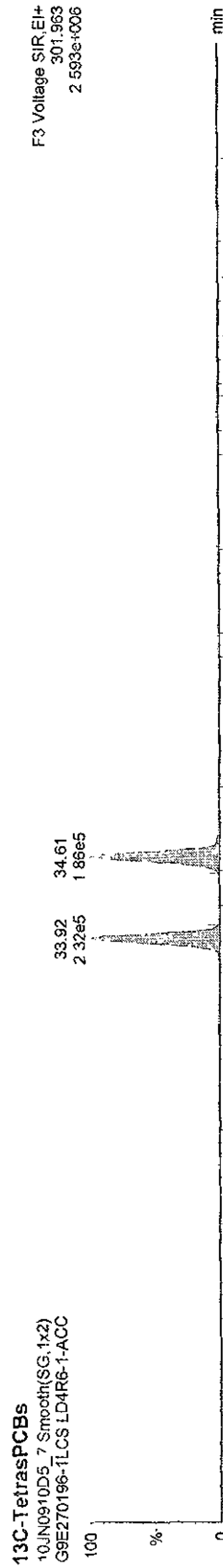
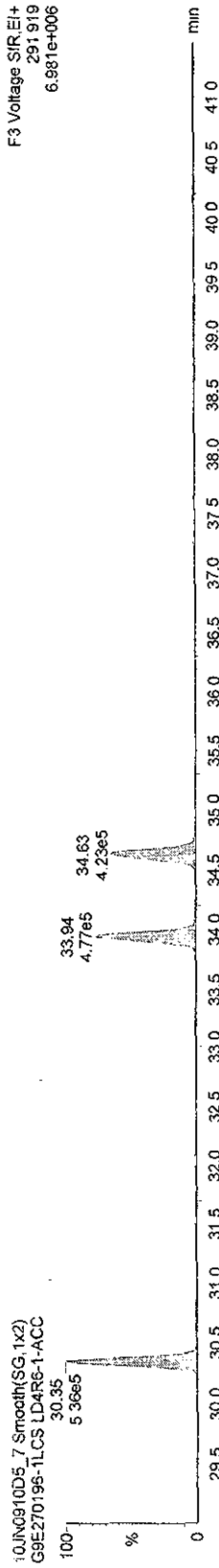
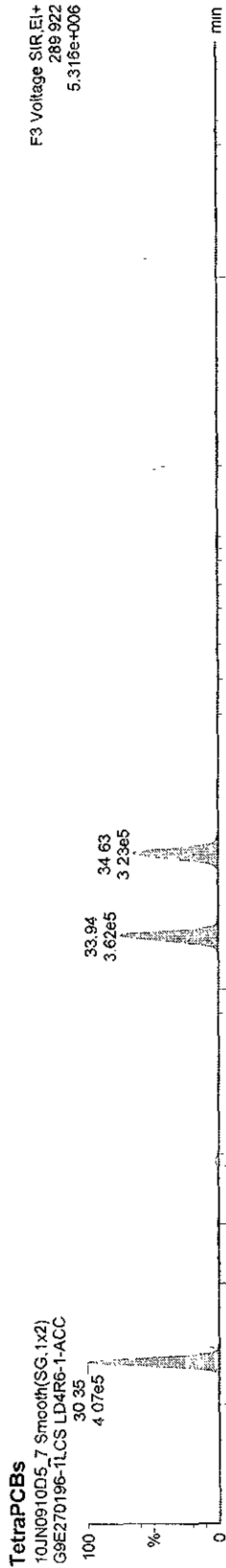
# Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs.Resp...	EMPC	%Rec	EDE	Ratio	Ratio Fl.	Mod Date
36													
37	13C-PeCB-111	335.924	0.500	33.90	1.28382					4.51417			NO
38													
39	Function 3 PFK	380.976	1.000	0.00									
40	Function 4 PFK	380.976	1.000	0.00									

Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default.prn\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_7, Date: 10-Jun-2009, Time: 23:18:18, ID: LD4R6-1-ACC, Description: G9E270196-1LCS



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JUN0910D51666MSL.qld

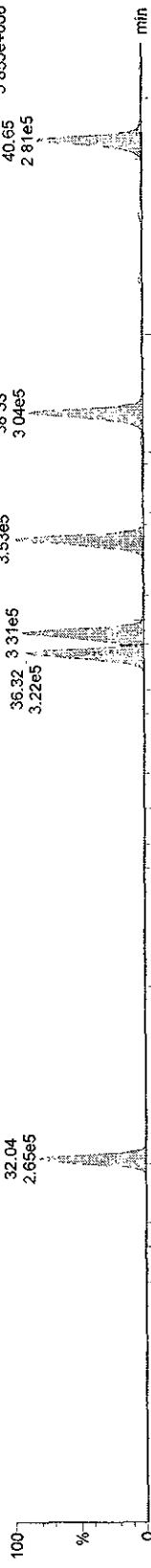
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_7, Date: 10-Jun-2009, Time: 23:18:18, ID: LD4R6-1-ACC, Description: G9E270196-1LCS

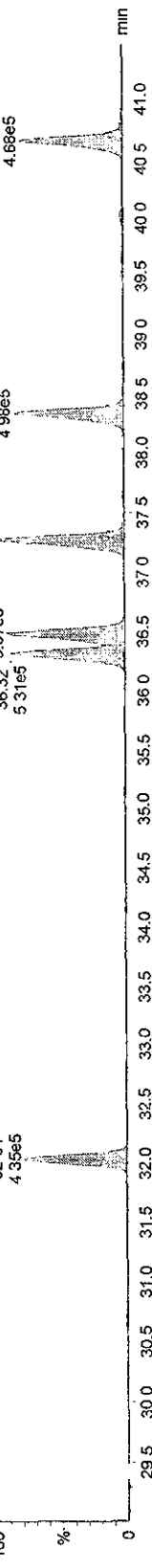
PePCBs

10JUN0910D5\_7 Smooth(SG,1x2)  
G9E270196-1LCS LD4R6-1-ACC



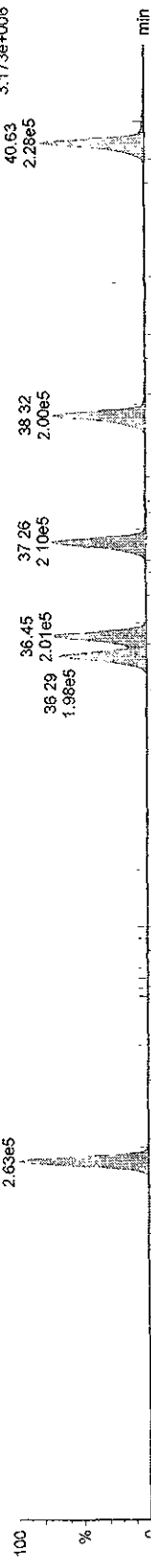
13C-PePCBs

10JUN0910D5\_7 Smooth(SG,1x2)  
G9E270196-1LCS LD4R6-1-ACC



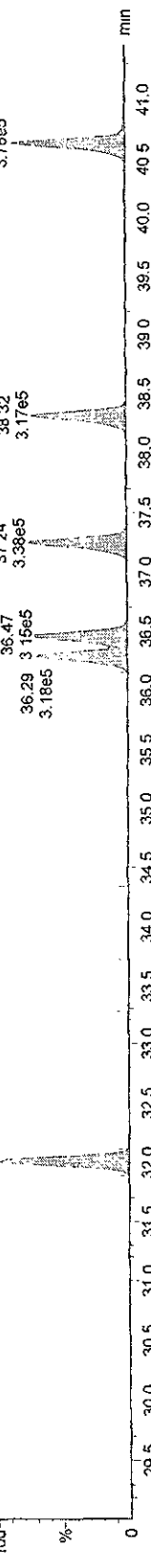
13C-PePCBs

10JUN0910D5\_7 Smooth(SG,1x2)  
G9E270196-1LCS LD4R6-1-ACC



13C-PePCBs

10JUN0910D5\_7 Smooth(SG,1x2)  
G9E270196-1LCS LD4R6-1-ACC

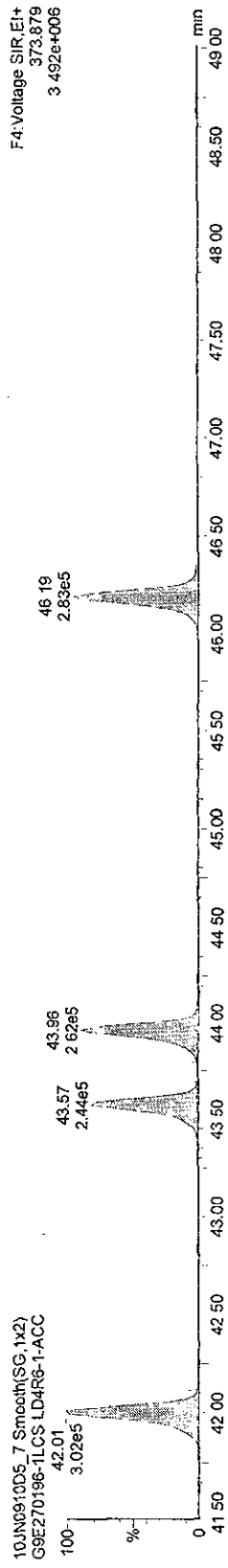
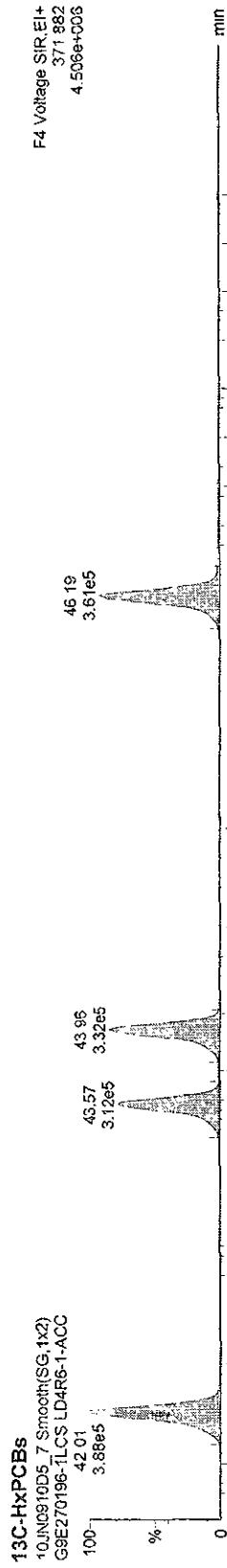
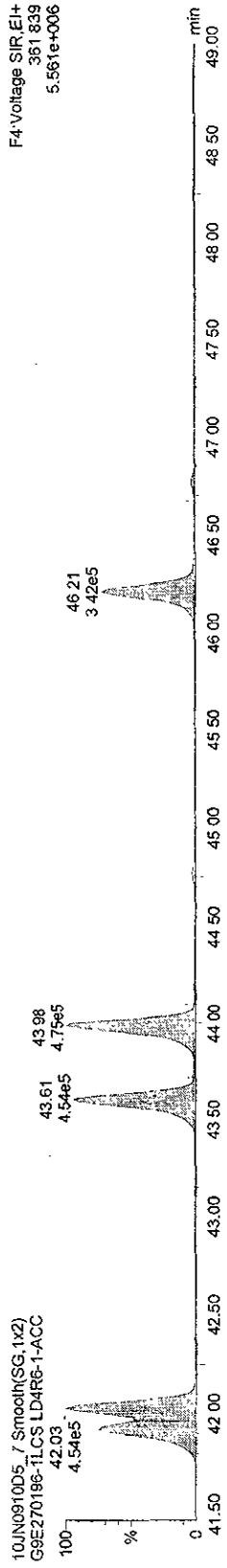
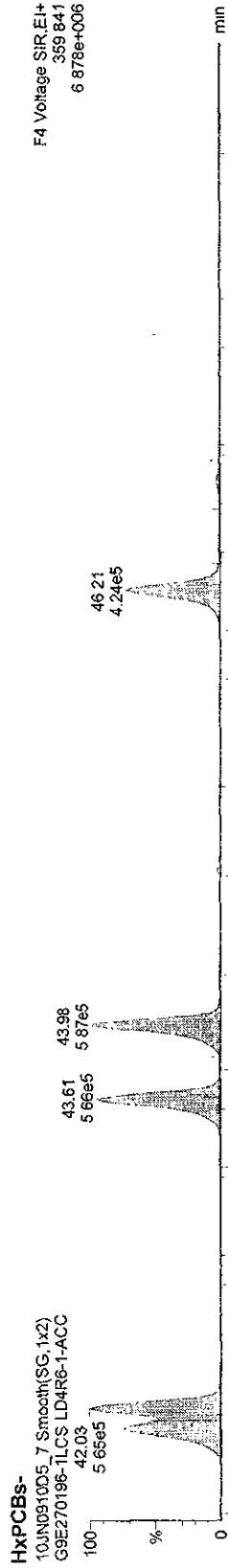


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_7, Date: 10-Jun-2009, Time: 23:18:18, ID: LD4R6-1-ACC, Description: G9E270196-1LCS



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

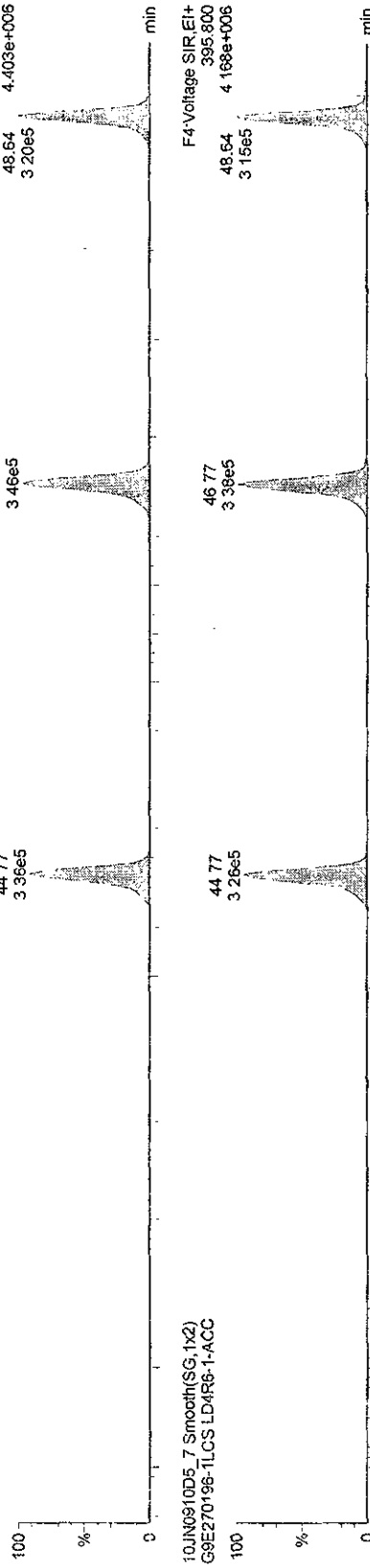
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_7, Date: 10-Jun-2009, Time: 23:18:18, ID: LD4R6-1-ACC, Description: G9E270196-1LCS

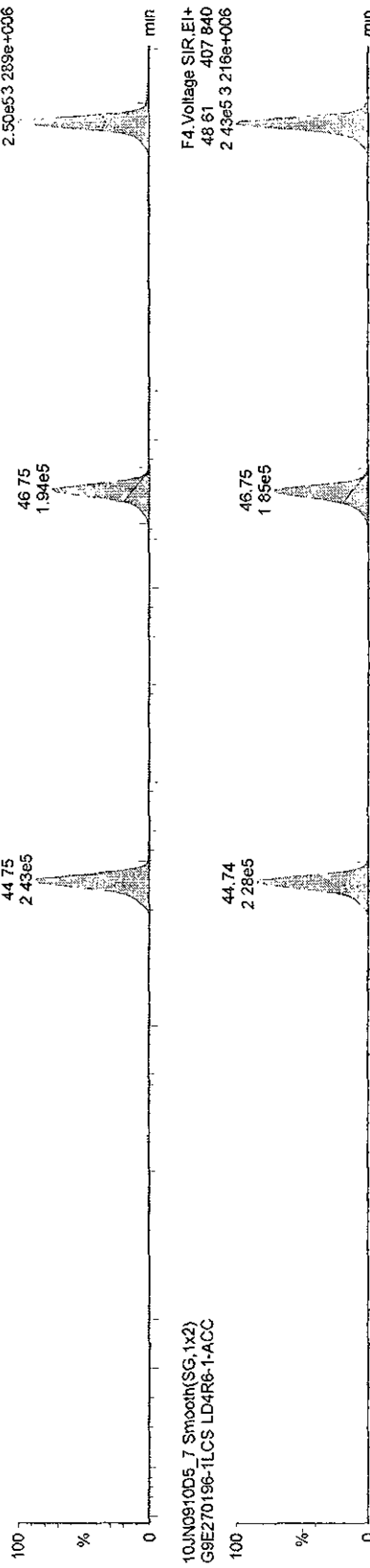
HpPCBs

10JN0910D5\_7 Smooth(SG,1x2)  
G9E270196-1LCS LD4R6-1-ACC



13C-HpPCBs

10JN0910D5\_7 Smooth(SG,1x2)  
G9E270196-1LCS LD4R6-1-ACC



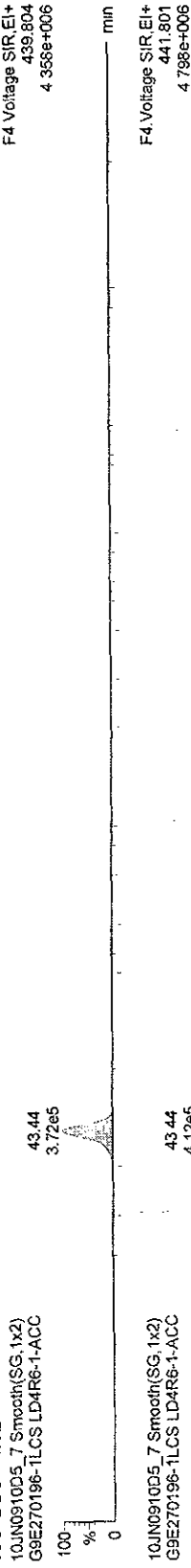
Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld

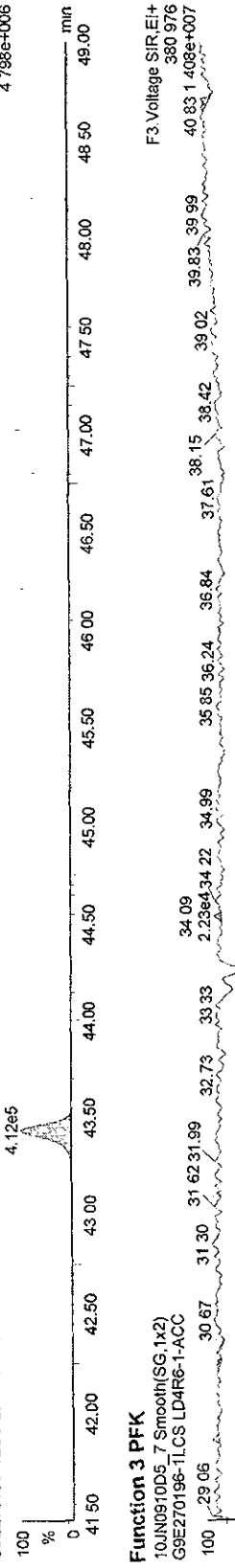
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_7, Date: 10-Jun-2009, Time: 23:18:18, ID: LD4R6-1-ACC, Description: G9E270196-1LCS

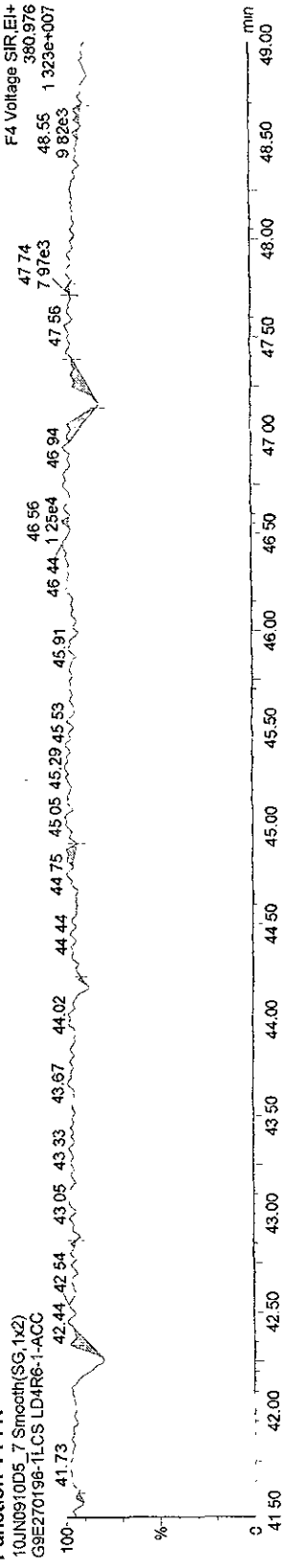
13C-OcCB-202



Function 3 PFK



Function 4 PFK



Quantify Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
 Printed: Friday, June 12, 2009 19:08:30 Pacific Daylight Time

Name: 10JUN0910D5\_9, Date: 11-Jun-2009, Time: 01:11:56, ID: LDR1T-1-AA, Description: G9E270196-1, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRE.M.	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1 13C-PeCB-101	335.924	0.500	32.33	32.13	18021 ...	282469.52	31.3474	31.3474	0.8	0.06825	0.62	NO	
2													
3 13C-TeCB-81	301.963	0.500	34.21	34.27	1.03599	293537.25	4012.3417	4012.3417	100.3	12.45156	0.80	NO	
4 TeCB-81	289.922	0.500	34.22	1.44583		ND				6.99604		NO	
5 13C-TeCB-77	301.963	0.500	34.88	34.98	1.08641	311129.73	4055.4263	4055.4263	101.4	11.87364	0.79	NO	
6 TeCB-77	289.922	0.500	34.89	1.29292		30202.83	300.3274	300.3274	LR	7.23821	0.74	NO	
7													
8 13C-PeCB-123	335.924	0.500	36.52	36.60	0.95097	325082.00	4840.7564	4840.7564	121.0	9.15796	0.61	NO	
9 PeCB-123	323.883	0.500	36.55	1.51322		11187.38	90.9691	90.9691		5.55714	0.64	NO	
10 13C-PeCB-118	335.924	0.500	36.69	36.77	0.97393	333949.58	4855.5947	4855.5947	121.4	8.94211	0.62	NO	
11 PeCB-118/106	323.883	0.500	36.72	1.52848		311444.05	2440.6131	2440.6131		5.21658	0.60	NO	
12 13C-PeCB-114	335.924	0.500	37.46	37.56	1.01913	368041.83	5113.9362	5113.9362	127.8	8.54549	0.65	NO	
13 PeCB-114	323.883	0.500	37.48	1.58175						4.58946		NO	
14 13C-PeCB-105	335.924	0.500	38.50	38.63	0.96994	373016.69	5445.9539	5445.9539	136.1	8.97892	0.63	NO	
15 PeCB-105/127	323.883	0.500	38.52	1.41405		112566.27	853.6431	853.6431		5.05474	0.59	NO	
16 13C-PeCB-126	335.924	0.500	40.78	40.98	1.05005	485083.94	6541.7526	6541.7526	163.5	8.29384	0.62	NO	
17 PeCB-126	323.883	0.500	40.81	1.18292						4.73754		NO	
18													
19 13C-OcCB-202	439.804	0.500	43.51	43.51	22301 ..	596093.13	53.4576	53.4576	1.3	0.02967	0.88	NO	
20													
21 13C-HxCB-167	371.882	0.500	42.13	42.10	0.92060	582486.77	4245.8024	4245.8024	106.1	4.43293	1.30	NO	
22 HxCB-167	359.841	0.500	42.15	1.34432		14342.26	73.2638	65.6998		3.72776	0.99	YES	
23 13C-HxCB-156	371.882	0.500	43.67	43.68	0.74676	489178.38	4395.7419	4395.7419	109.9	5.46490	1.31	NO	
24 HxCB-156	359.841	0.500	43.70	1.67701		24616.19	120.0266	120.0266		3.49521	1.36	NO	
25 13C-HxCB-157	371.882	0.500	44.04	44.07	0.78876	532368.44	4529.1090	4529.1090	113.2	5.17390	1.30	NO	
26 HxCB-157	359.841	0.500	44.07	1.65897		5914.08	26.7853	26.7853		3.38811	1.30	NO	
27 13C-HxCB-169	371.882	0.500	46.27	46.32	0.84240	590354.67	4702.6473	4702.6473	117.6	4.84448	1.28	NO	
28 HxCB-169	359.841	0.500	46.84	1.15392		1281.43	6.6511	6.6511		4.39054	0.96	YES	
29													
30 13C-HpCB-180	405.843	0.500	44.83	44.83	0.63199	419121.20	4450.1435	4450.1435	111.3	4.06297	1.05	NO	
31 HpCB-180	393.803	0.500	44.84	44.86	1.27271	205388.23	1540.1644	1540.1644		2.57364	1.03	NO	
32 13C-HpCB-170	405.843	0.500	46.81	46.84	0.51406	349134.73	4557.5109	4557.5109	113.9	4.99510	1.05	NO	
33 HpCB-170	393.803	0.500	46.83	46.83	1.58019	36136.01	261.9979	261.9979		2.49591	1.03	NO	
34 13C-HpCB-189	405.843	0.500	48.65	48.68	0.70062	464573.47	4449.5984	4449.5984	111.2	3.66502	1.05	NO	
35 HpCB-189	393.803	0.500	48.68	1.22015						2.17911		NO	

RL-1000  
 VB 6/19/09



Quantify Sample Report MassLynx 4.1

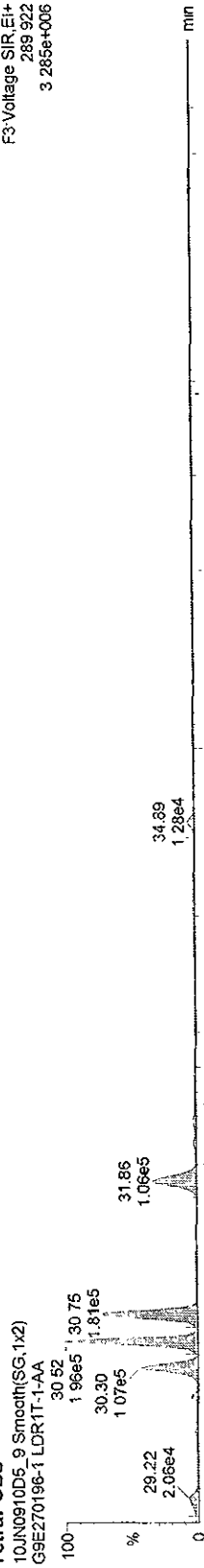
Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

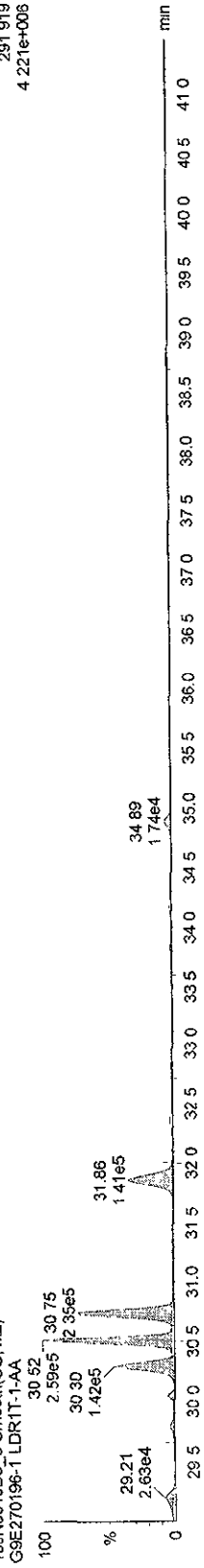
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_9, Date: 11-Jun-2009, Time: 01:11:56, ID: LDR1T-1-AA, Description: G9E270196-1

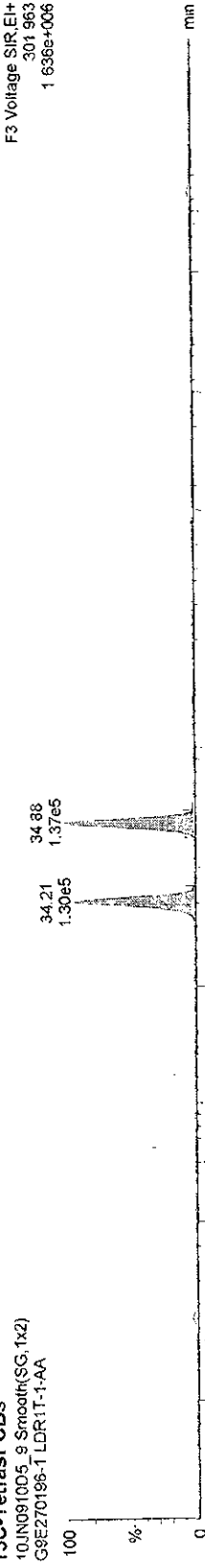
TetraPCBs



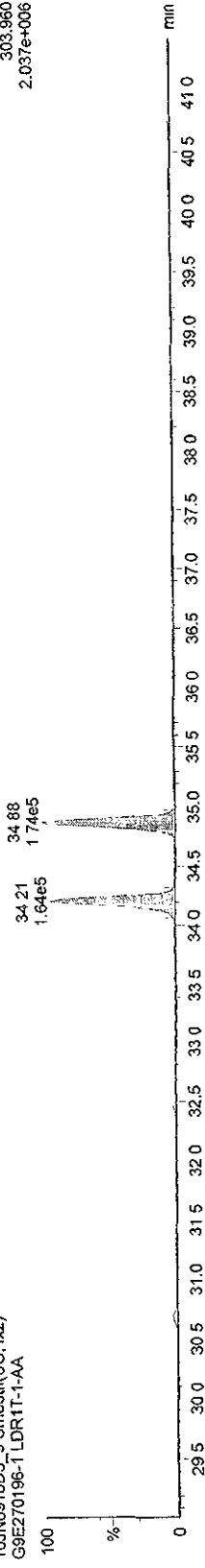
13C-TetrasPCBs



13C-TetrasPCBs



13C-TetrasPCBs



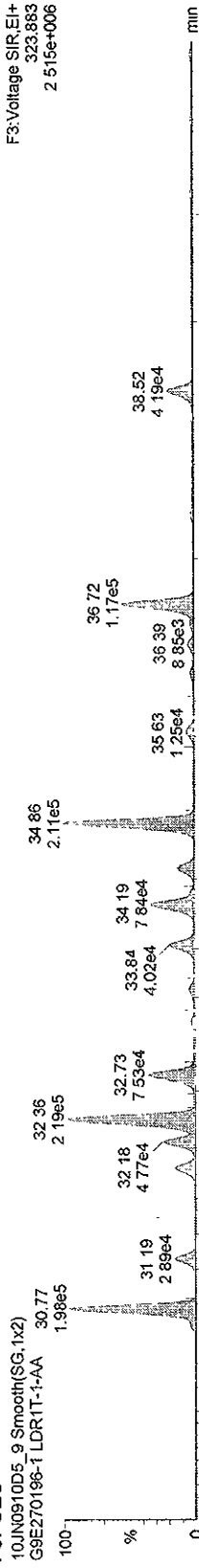
Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

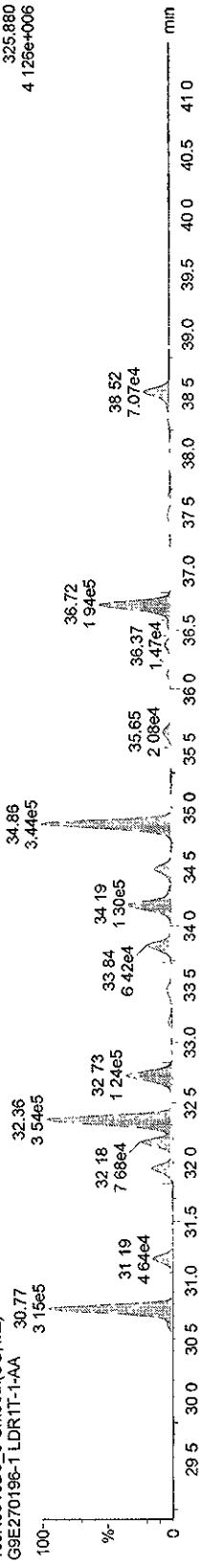
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Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_9, Date: 11-Jun-2009, Time: 01:11:56, ID: LDR1T-1-AA, Description: G9E270196-1

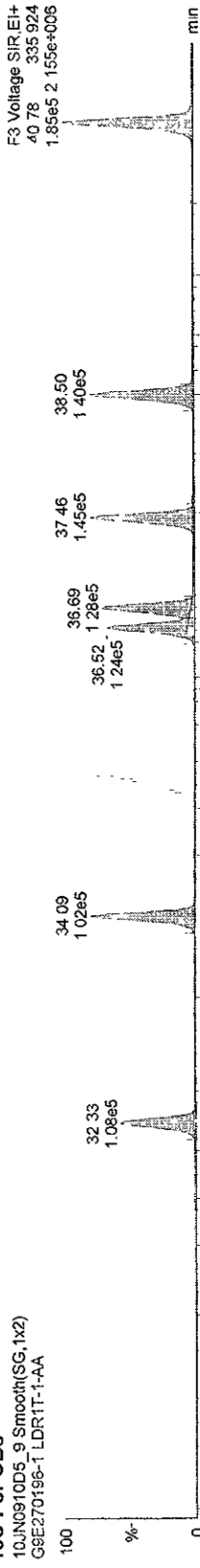
PePCBs



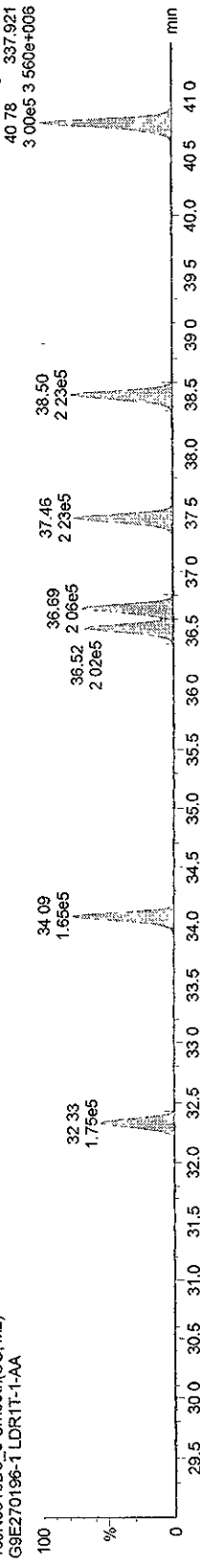
13C-PePCBs



13C-PePCBs



13C-PePCBs

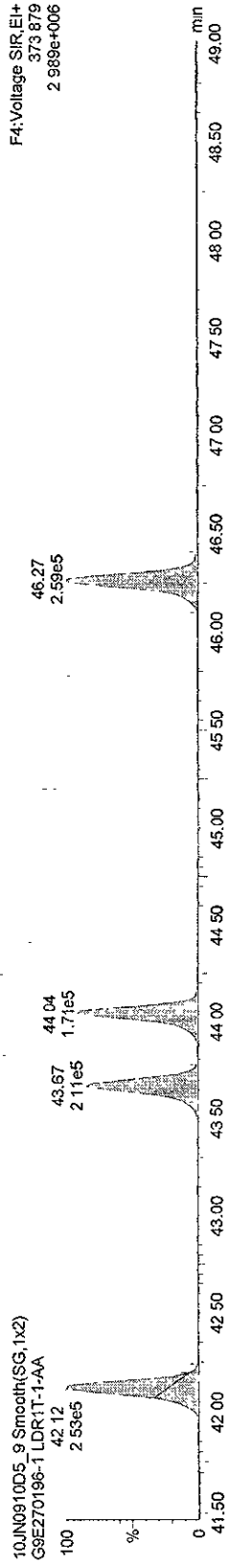
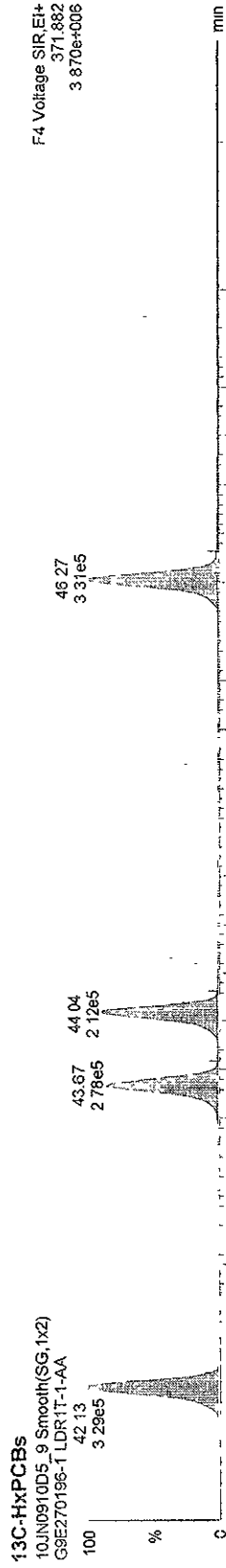
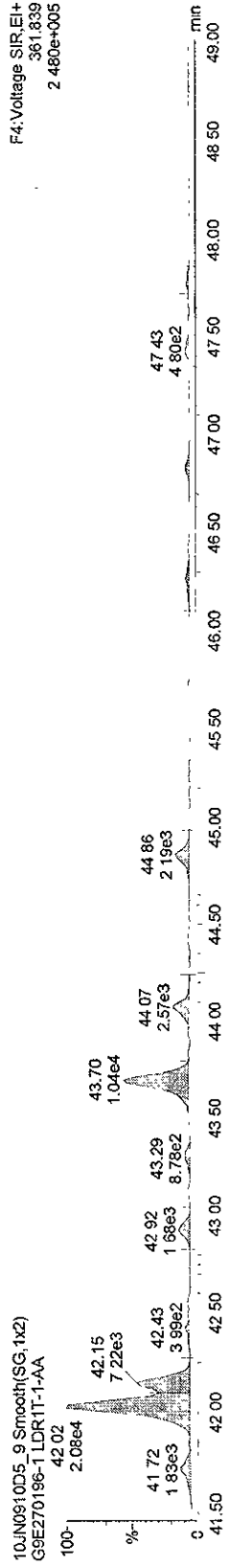
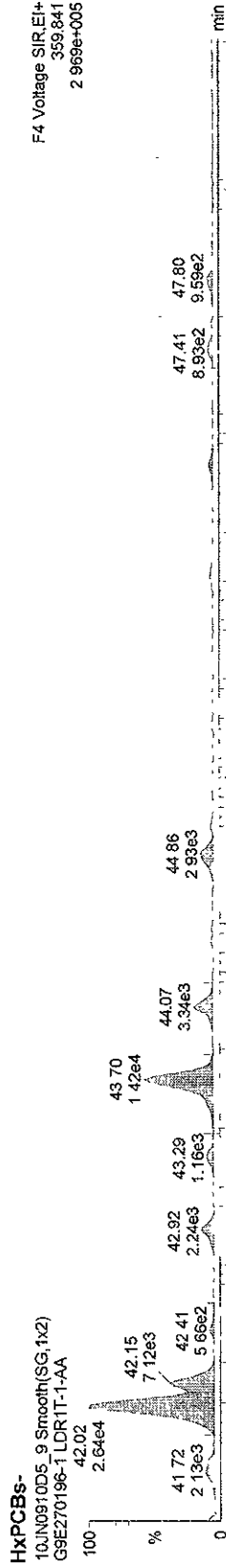


Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default pro\10JN0910D51668MSL.qtd

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_9, Date: 11-Jun-2009, Time: 01:11:56, ID: LDR1T-1-AA, Description: G9E270196-1



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

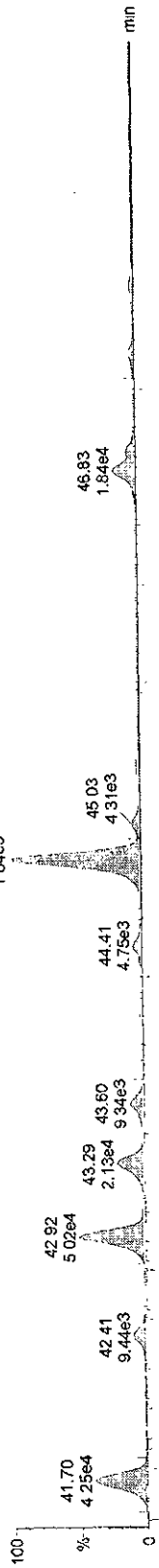
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_9, Date: 11-Jun-2009, Time: 01:11:56, ID: LDR1T-1-AA, Description: G9E270196-1

HpPCBs

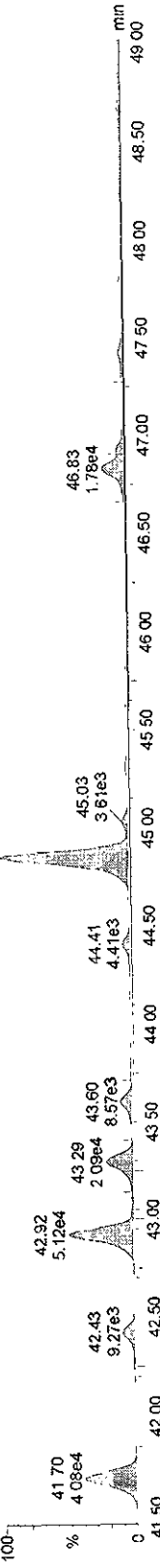
10JN0910D5\_9 Smooth(SG,1x2)  
G9E270196-1 LDR1T-1-AA



F4:Voltage SIR, EI+  
393.803  
1.248e+006

13C-HpPCBs

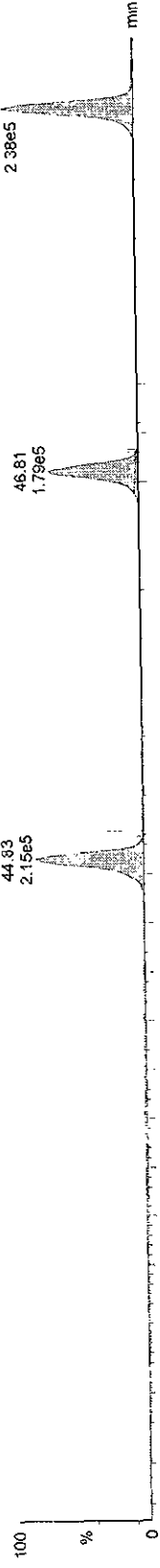
10JN0910D5\_9 Smooth(SG,1x2)  
G9E270196-1 LDR1T-1-AA



F4:Voltage SIR, EI+  
395.800  
1.222e+006

13C-HpPCBs

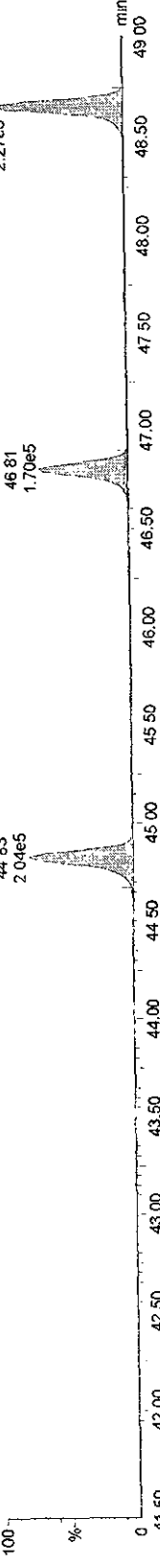
10JN0910D5\_9 Smooth(SG,1x2)  
G9E270196-1 LDR1T-1-AA



F4:Voltage SIR, EI+  
405.843  
3.195e+006

13C-HpPCBs

10JN0910D5\_9 Smooth(SG,1x2)  
G9E270196-1 LDR1T-1-AA



F4:Voltage SIR, EI+  
407.840  
3.127e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

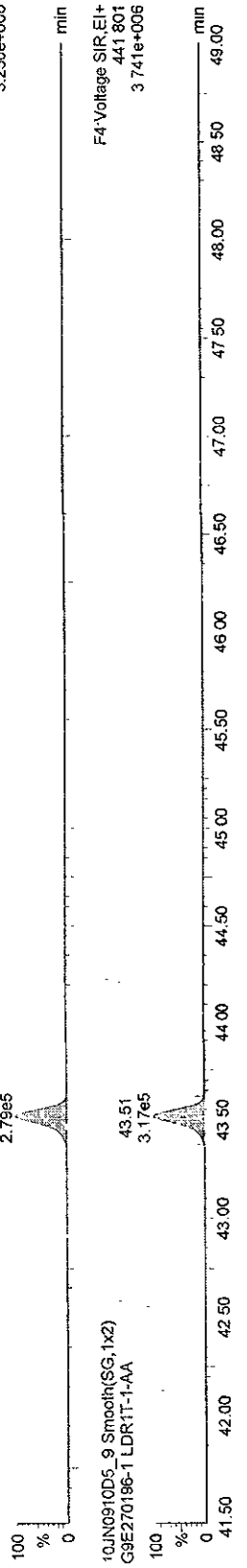
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_9, Date: 11-Jun-2009, Time: 01:11:56, ID: LDR1T-1-AA, Description: G9E270196-1

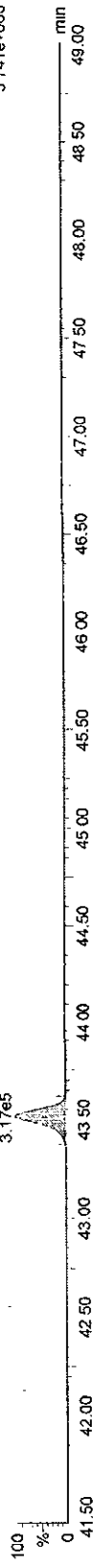
13C-OcCB-202

10JN0910D5\_9 Smooth(SG,1x2)  
G9E270196-1 LDR1T-1-AA



F4 Voltage SIR, EI+  
439.804  
3.250e+006

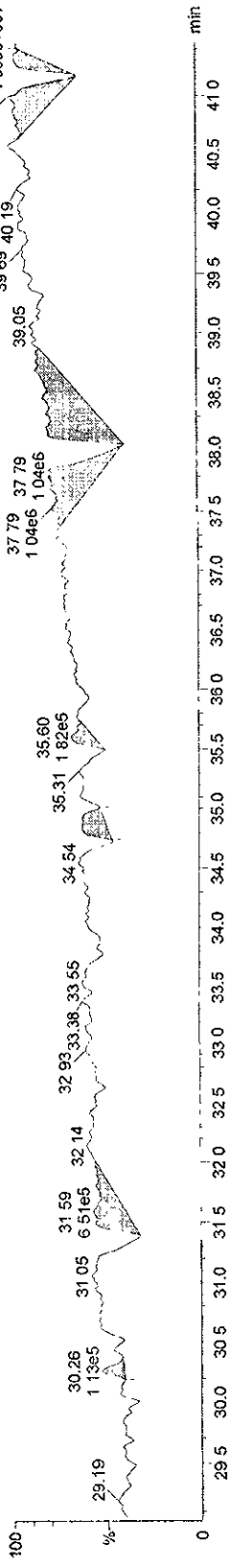
10JN0910D5\_9 Smooth(SG,1x2)  
G9E270196-1 LDR1T-1-AA



F4 Voltage SIR, EI+  
441.801  
3.741e+006

Function 3 PFK

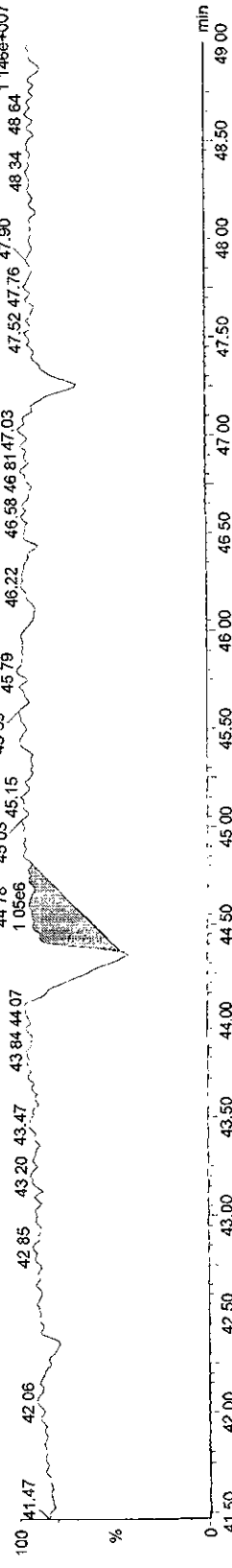
10JN0910D5\_9 Smooth(SG,1x2)  
G9E270196-1 LDR1T-1-AA



F3 Voltage SIR, EI+  
380.976  
1.088e+007

Function 4 PFK

10JN0910D5\_9 Smooth(SG,1x2)  
G9E270196-1 LDR1T-1-AA



F4 Voltage SIR, EI+  
380.976  
1.146e+007

Quantify Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\10JN0910D5\1668MSL.qld

Last Altered: Friday, June 19, 2009 11:34:51 Pacific Daylight Time  
 Printed: Friday, June 19, 2009 11:38:01 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 22 May 2009 10:05:00  
 Calibration: C:\MassLynx\Default.pro\Curvedb\IC\_A0528200910D5\1668MSL.cdb 29 May 2009 14:02:36

Name: 10JN0910D5\_10, Date: 11-Jun-2009, Time: 02:08:43, ID: LDR12-1-AA, Description: G9E270196-2, Task:

#	Name	Trace	Sample Size	RT	Prd.RT-RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-PeCB-101	335.924	0.500	32.36	32.13 18021...	371133.66	41.1870	41.1870	1.0	0.06222	0.6297	NO	
2	3 13C-TeCB-81	301.963	0.500	34.21	34.31 1.03599	373324.64	3883.8514	3883.8514	97.1	7.54027	0.8101	NO	
4	TeCB-81	289.922	0.500	34.22	1.44583					7.27204		NO	
5	13C-TeCB-77	301.963	0.500	34.86	35.01 1.08641	403396.55	4001.9202	4001.9202	100.0	7.19030	0.7787	NO	
6	TeCB-77	289.922	0.500	34.88	1.29292	373158.94	2861.8736	2861.8736	NDC	7.38591	0.7620	NO	
7													
8	13C-PeCB-123	335.924	0.500	36.50	36.64 0.95097	399459.36	4527.2467	4527.2467	113.2	6.35405	0.6261	NO	19-Jun-09
9	PeCB-123	323.883	0.500	36.54	1.51322	79606.38	<del>526.7854</del>	526.7854		5.53959	0.5692	NO	
10	13C-PeCB-118	335.924	0.500	36.67	36.81 0.97393	404664.14	4478.1383	4478.1383	112.0	6.20429	0.6401	NO	
11	PeCB-118/106	323.883	0.500	36.69	1.52848	2101376.56	13589.6715	13589.6715		5.56159	0.6152	NO	
12	13C-PeCB-114	335.924	0.500	37.44	37.59 1.01913	486960.16	4621.0559	4621.0559	115.5	5.92909	0.6260	NO	
13	PeCB-114	323.883	0.500	37.46	1.58175		ND			5.07935		NO	
14	13C PeCB-105	335.924	0.500	38.48	38.67 0.96994	424380.80	4715.6621	4715.6621	117.9	6.22983	0.6269	NO	
15	PeCB-105/127	323.883	0.500	38.50	1.41405	917484.06	6115.6007	6115.6007		5.99638	0.6044	NO	
16	13C-PeCB-126	335.924	0.500	40.76	41.02 1.05005	515577.44	5291.9091	5291.9091	132.3	5.75450	0.6324	NO	
17	PeCB-126	323.883	0.500	40.79	1.18292		ND			6.14770		NO	
18													
19	13C-OoCB-202	439.804	0.500	43.50	43.51 22301...	640665.00	57.4548	57.4548	1.4	0.02781	0.8926	NO	
20													
21	13C-HxCB-167	371.882	0.500	42.10	42.09 0.92060	688256.34	4328.6450	4328.6450	108.2	3.03198	1.3097	NO	
22	HxCB-167	359.841	0.500	42.12	1.34432	45103.93	<del>210.2699</del>	210.2699		2.15132	1.1316	NO	
23	13C-HxCB-156	371.882	0.500	43.65	43.67 0.74676	516742.44	4320.3823	4320.3823	108.0	3.73781	1.2689	NO	
24	HxCB-156	359.841	0.500	43.67	1.67701	93519.06	<del>431.6681</del>	431.6681		2.19810	1.2516	NO	
25	13C-HxCB-157	371.882	0.500	44.02	44.05 0.78876	568877.56	4423.8486	4423.8486	110.6	3.53877	1.3061	NO	
26	HxCB-157	359.841	0.500	44.05	1.65897	20400.09	<del>88.0109</del>	88.0109		2.08552	1.1238	NO	
27	13C-HxCB-169	371.882	0.500	46.25	46.30 0.84240	502393.63	3723.5452	3723.5452	93.1	3.31346	1.2667	NO	
28	HxCB-169	359.841	0.500	46.83	1.15392	3996.44	<del>24.6508</del>	24.6508		3.36484	1.5057	YES	
29													
30	13C-HpCB-180	405.843	0.500	44.81	44.81 0.63199	435809.05	4305.4023	4305.4023	107.6	2.45198	1.0360	NO	
31	HpCB-180	393.803	0.500	44.83	1.27271	576186.16	<del>4155.2557</del>	4155.2557		2.52702	1.0506	NO	

6/16/09  
 not for analysis

10

RL=1000  
 6.19.09

Quantify Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\10JUN0910D5\1668MSL.qld

Last Altered: Friday, June 19, 2009 11:34:51 Pacific Daylight Time

Printed: Friday, June 19, 2009 11:38:01 Pacific Daylight Time

Name: 10JUN0910D5\_10, Date: 11-Jun-2009, Time: 02:08:43, ID: LDR12-1-AA, Description: G9E270196-2, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp.	pg	EMPC	%Rec.	EDL	Ratio	Ratio Fl...	Mod Date
32 13C-HpCB-170	405.843	0.500	46.79	46.83	0.51406	324968.84	3946.9307	3946.9307	98.7	3.01452	1.0690	NO	
33 HpCB-170	393.803	0.500	46.83	46.81	1.58019	137091.54	<del>4667.8731</del>	1067.8731		2.77832	1.0447	NO	
34 13C-HpCB-189	405.843	0.500	48.65	48.67	0.70062	511706.58	4560.0597	4560.0597	114.0	2.21182	1.0573	NO	
35 HpCB-189	393.803	0.500		48.68	1.22015		ND			1.96542		NO	
36													
37 13C-PeCB-111	335.924	0.500	34.07	33.90	1.28382	475509.14	3396.4084		84.9	4.04220	0.6140	NO	
38													
39 Function 3 PFK	380.976	1.000			0.00								
40 Function 4 PFK	380.976	1.000			0.00								

Quantify Compound Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\10JUN09\10D5\1668MSL.qld

Last Altered: Friday, June 19, 2009 12:06:45 Pacific Daylight Time  
Printed: Friday, June 19, 2009 12:09:09 Pacific Daylight Time

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other *VP*

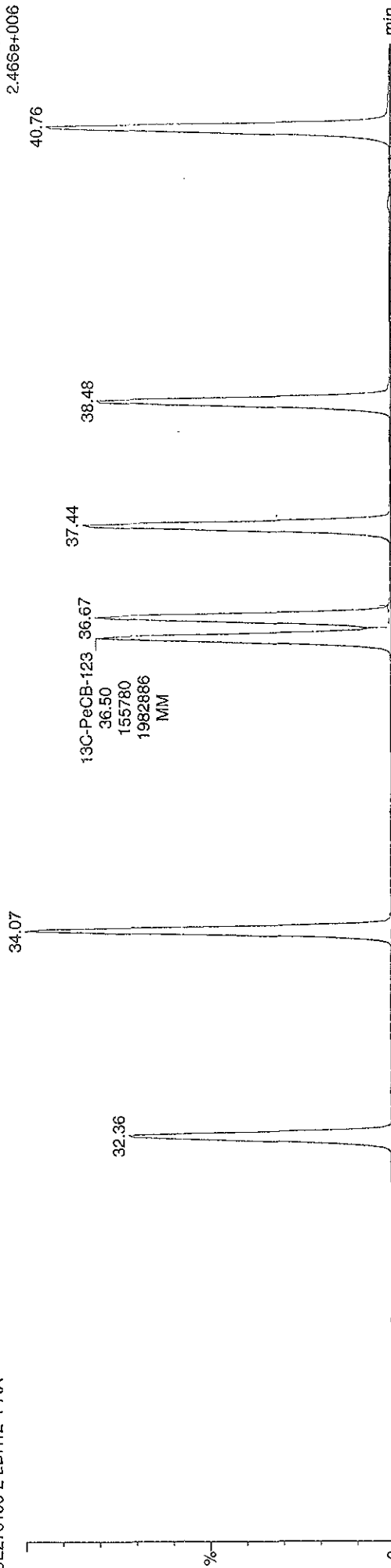
Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 22 May 2009 10:05:00  
Calibration: C:\MassLynx\Default.pro\Curvedb\CA0528200910D5\1668MSL.cdb 29 May 2009 14:02:36

Sample Name: 10JUN0910D5\_10

10JUN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

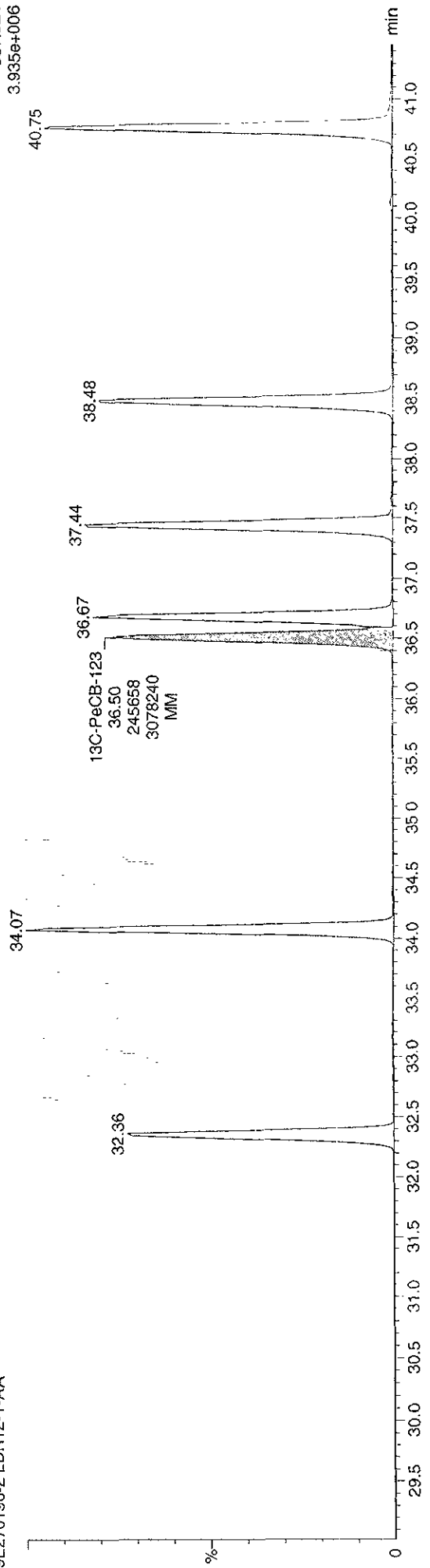
Analyst *VP* Date *6-19-09*

F3:Voltage SIR,EL+  
335.924  
2.4668+006



10JUN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

F3:Voltage SIR,EL+  
337.921  
3.9356+006





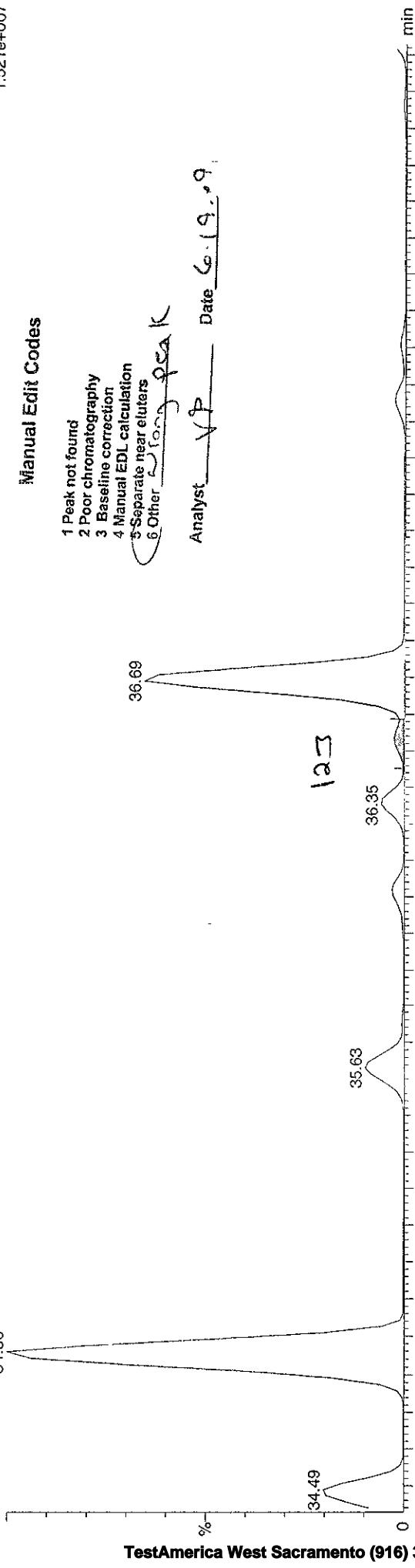
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Last Altered: Friday, June 19, 2009 11:34:51 Pacific Daylight Time  
Printed: Friday, June 19, 2009 11:36:19 Pacific Daylight Time

Sample Name: 10JN0910D5\_10

10JN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

F3:Voltage SIR,EI+  
323.883  
1.521e+007



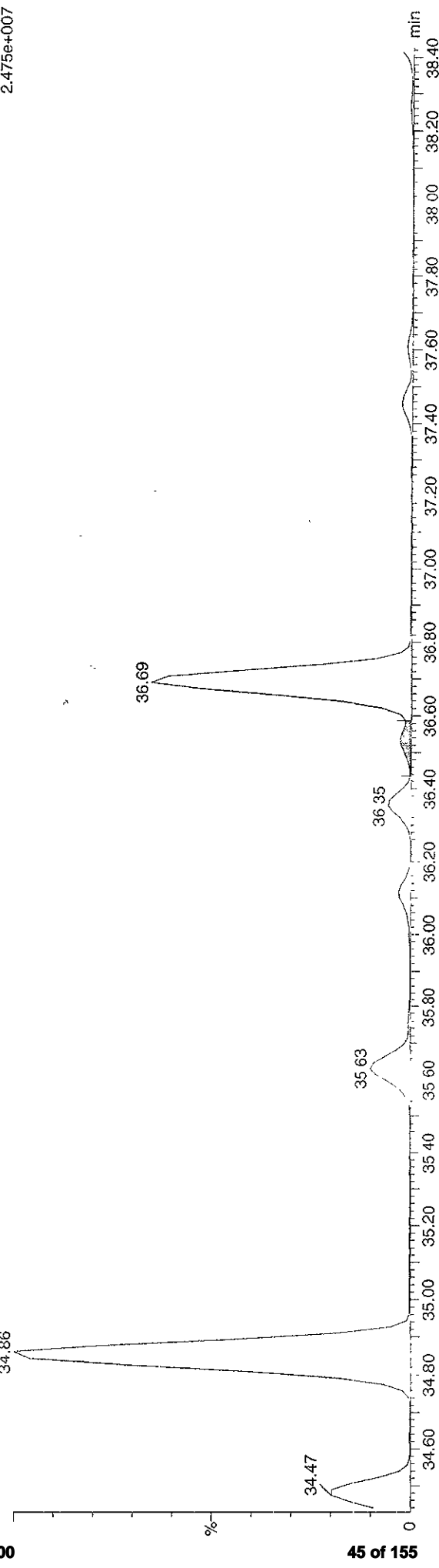
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other *long peak*

Analyst VP Date 6-19-09

10JN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

F3:Voltage SIR,EI+  
325.880  
2.475e+007



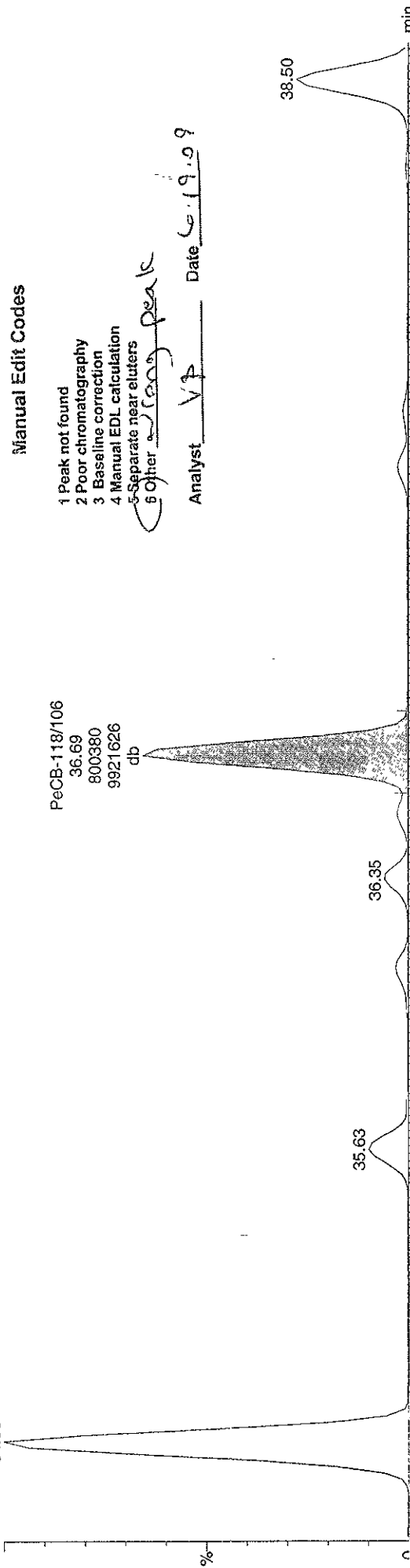
\\Terastation\share\ATG\10D5\10JN0910D51668MSL.qld

Last Altered: Friday, June 19, 2009 11:34:51 Pacific Daylight Time  
Printed: Friday, June 19, 2009 11:36:19 Pacific Daylight Time

Sample Name: 10JN0910D5\_10

10JN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

F3: Voltage SIR, EI+  
323.883  
1.521e+007



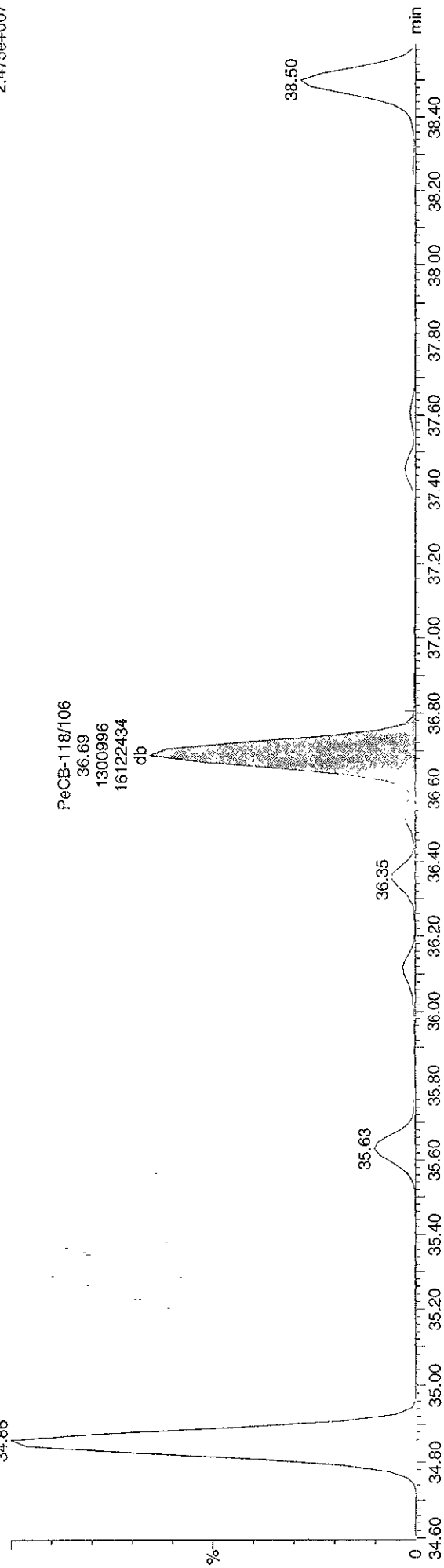
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other *very peak*

Analyst VP Date 6.19.09

10JN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

F3: Voltage SIR, EI+  
325.880  
2.475e+007



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
 Printed: Friday, June 12, 2009 19:08:30 Pacific Daylight Time

Name: 10JN0910D5\_10, Date: 11-Jun-2009, Time: 02:08:43, ID: LDR12-1-AA, Description: G9E270196-2, Task:

60  
 RL = 1000

# Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1 13C-PeCB-101	335.924	0.500	32.36	32.13	18021....		371133.66	41.1870	41.1870	1.0	0.06222	0.63	NO	
2														
3 13C-TeCB-81	301.963	0.500	34.21	34.31	1.03599		373324.64	3883.8514	3883.8514	97.1	7.54027	0.81	NO	
4 TeCB-81	289.922	0.500	34.22	34.22	1.44583						7.27204		NO	
5 13C-TeCB-77	301.963	0.500	34.86	35.01	1.08841		403396.55	4001.9202	4001.9202	100.0	7.19030	0.78	NO	
6 TeCB-77	289.922	0.500	34.88	34.88	1.29292		373158.94	2861.8736	2861.8736	NDC	7.38591	0.76	NO	
7														
8 13C-PeCB-123	335.924	0.500	36.67	36.64	0.95097		404664.14	4586.2347	4586.2347	114.7	6.35405	0.64	NO	
9 PeCB-123	323.883	0.500	36.69	36.69	1.51322		2101376.56	13726.7467	13726.7467		5.61768	0.62	NO	
10 13C-PeCB-118	335.924	0.500	36.67	36.81	0.97393		404664.14	4478.1383	4478.1383	112.0	6.20429	0.64	NO	
11 PeCB-118/106	323.883	0.500	36.54	36.69	1.52848		79606.38	514.8171	514.8171		5.56159	0.57	NO	
12 13C-PeCB-114	335.924	0.500	37.44	37.59	1.01913		436960.16	4621.0559	4621.0559	115.5	5.92909	0.63	NO	
13 PeCB-114	323.883	0.500	37.46	37.46	1.58175						5.07935		NO	
14 13C-PeCB-105	335.924	0.500	38.48	38.67	0.96994		424380.80	4715.6621	4715.6621	117.9	6.22983	0.63	NO	
15 PeCB-105/127	323.883	0.500	38.50	38.50	1.41405		917484.06	6115.6007	6115.6007		5.99638	0.60	NO	
16 13C-PeCB-126	335.924	0.500	40.76	41.02	1.05005		515577.44	5291.9091	5291.9091	132.3	5.75450	0.63	NO	
17 PeCB-126	323.883	0.500	40.79	40.79	1.18292						6.14770		NO	
18														
19 13C-OcCB-202	439.804	0.500	43.50	43.51	22301....		640665.00	57.4548	57.4548	1.4	0.02781	0.89	NO	
20														
21 13C-HxCB-167	371.882	0.500	42.10	42.09	0.92060		638256.34	4328.6450	4328.6450	108.2	3.03198	1.31	NO	
22 HxCB-167	359.841	0.500	42.12	42.13	1.34432		45103.93	210.2699	210.2699		2.15132	1.13	NO	
23 13C-HxCB-156	371.882	0.500	43.65	43.67	0.74676		516742.44	4320.3823	4320.3823	108.0	3.73781	1.27	NO	
24 HxCB-156	359.841	0.500	43.67	43.68	1.67701		93519.06	431.6681	431.6681		2.19810	1.25	NO	
25 13C-HxCB-157	371.882	0.500	44.02	44.05	0.78876		558877.56	4423.8486	4423.8486	110.6	3.53877	1.31	NO	
26 HxCB-157	359.841	0.500	44.05	44.04	1.65897		20400.09	88.0109	88.0109		2.08552	1.12	NO	
27 13C-HxCB-169	371.882	0.500	46.25	46.30	0.84240		502393.63	3723.5452	3723.5452	93.1	3.31346	1.27	NO	
28 HxCB-169	359.841	0.500	46.83	46.28	1.15392		3996.44	27.5748	27.5748		3.36484	1.51	YES	
29														
30 13C-HpCB-180	405.843	0.500	44.81	44.81	0.63199		435809.05	4305.4023	4305.4023	107.6	2.45198	1.04	NO	
31 HpCB-180	393.803	0.500	44.83	44.84	1.27271		576186.16	4155.2557	4155.2557		2.52702	1.05	NO	
32 13C-HpCB-170	405.843	0.500	46.79	46.83	0.51406		324968.84	3946.9307	3946.9307	98.7	3.01452	1.07	NO	
33 HpCB-170	393.803	0.500	46.83	46.81	1.58019		137091.54	1067.8731	1067.8731		2.77832	1.04	NO	
34 13C-HpCB-189	405.843	0.500	48.65	48.67	0.70062		511706.58	4560.0597	4560.0597	114.0	2.21182	1.06	NO	
35 HpCB-189	393.803	0.500	48.68	48.68	1.22015						1.96542		NO	

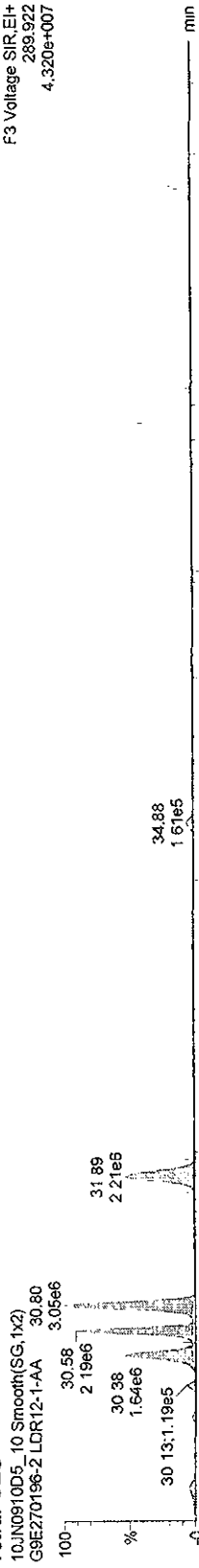
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\10JN0910D51668MSL.qld

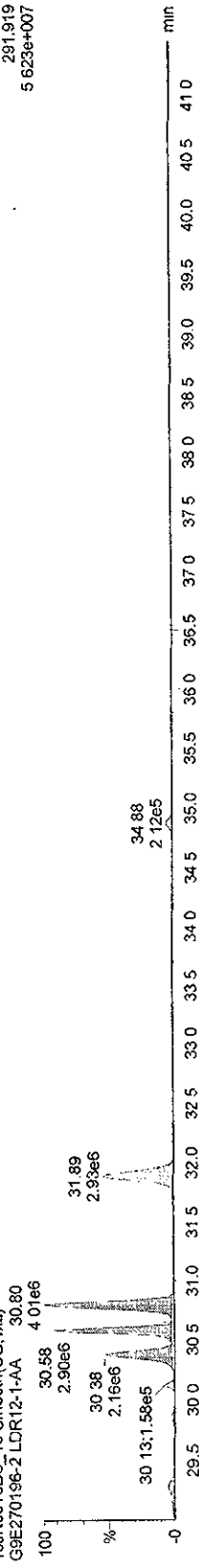
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01 12 Pacific Daylight Time

Name: 10JN0910D5\_10, Date: 11-Jun-2009, Time: 02:08:43, ID: LDR12-1-AA, Description: G9E270196-2

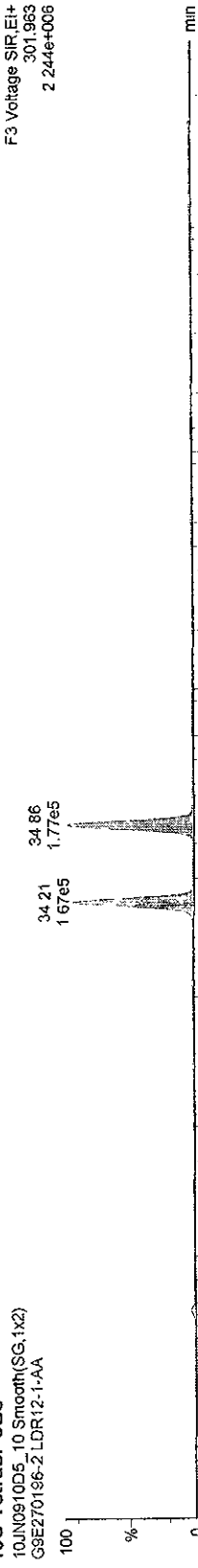
TetraPCBs



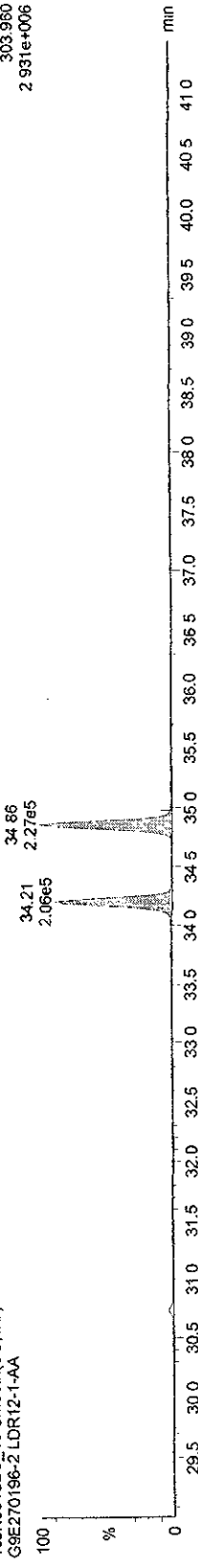
10JN0910D5\_10 Smooth(SG,1x2)



13C-TetrasPCBs



10JN0910D5\_10 Smooth(SG,1x2)

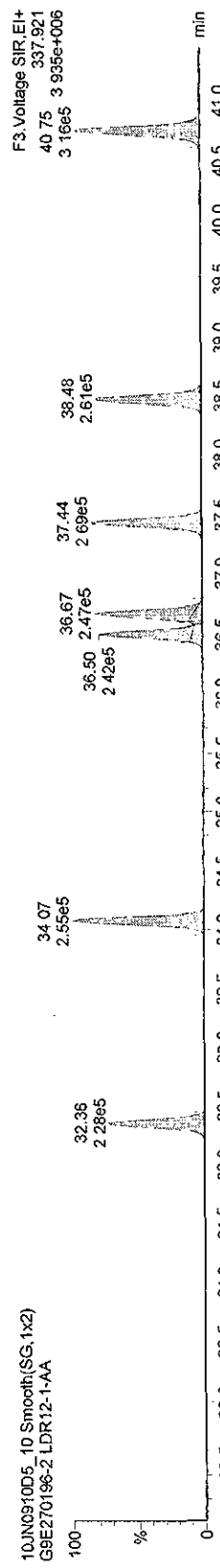
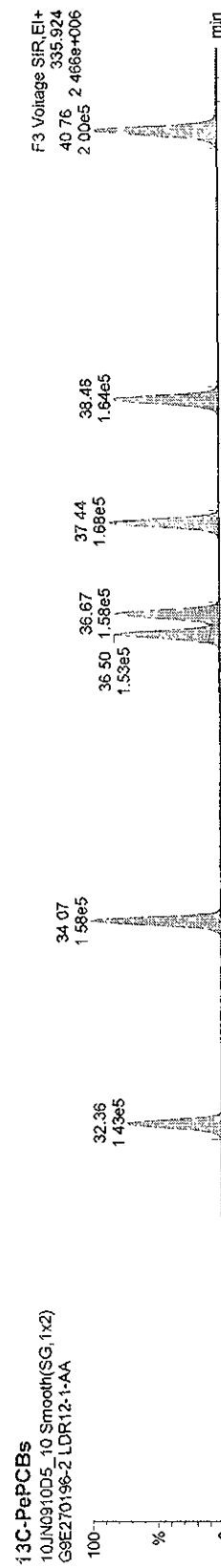
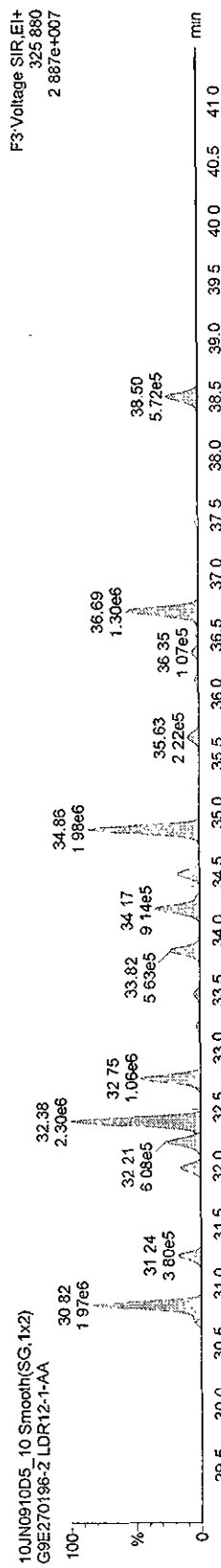
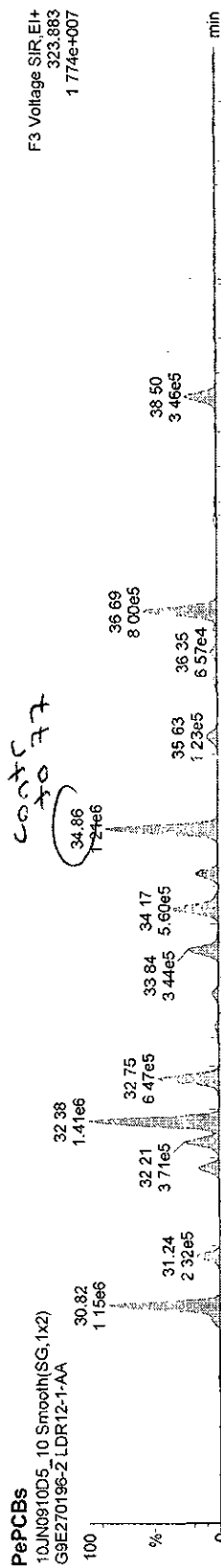


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qid

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

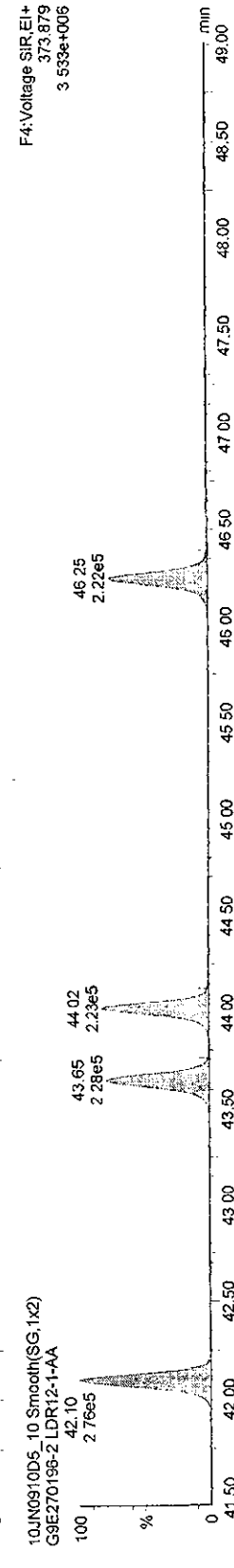
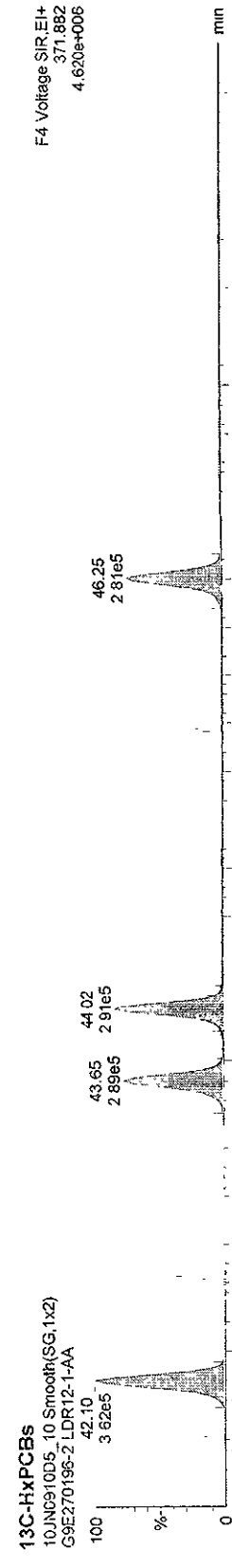
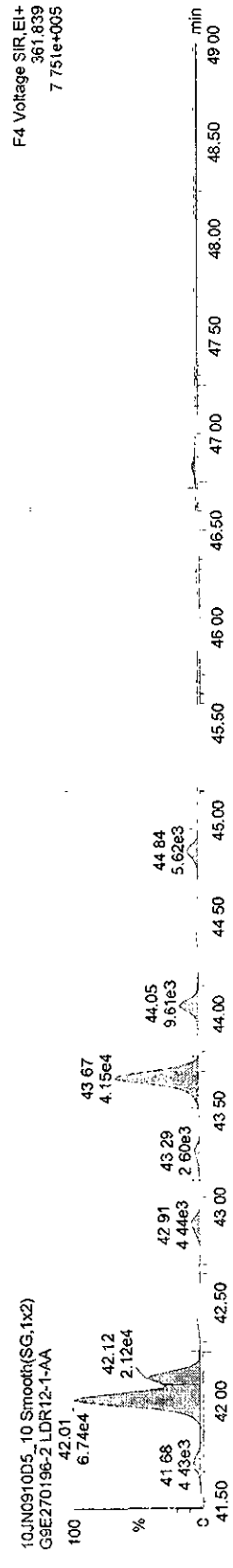
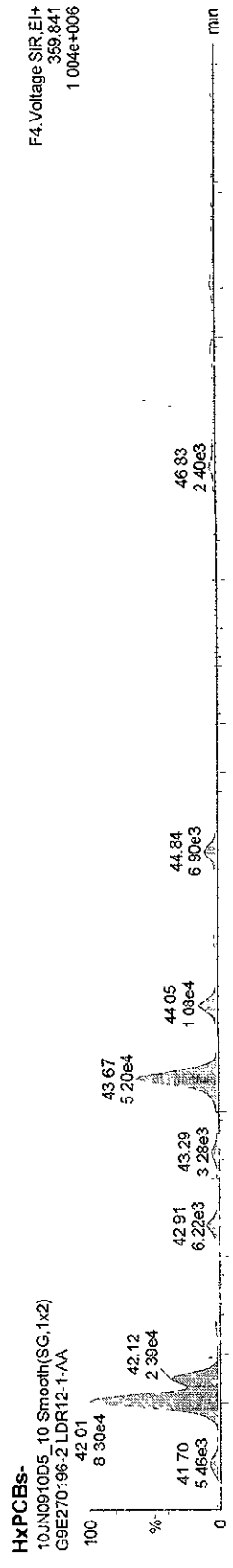
Name: 10JUN0910D5\_10, Date: 11-Jun-2009, Time: 02:08:43, ID: LDR12-1-AA, Description: G9E270196-2



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\10JN0910D51668MSL.qld  
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_10, Date: 11-Jun-2009, Time: 02:08:43, ID: LDR12-1-AA, Description: G9E270196-2



Quantify Sample Report MassLynx 4.1

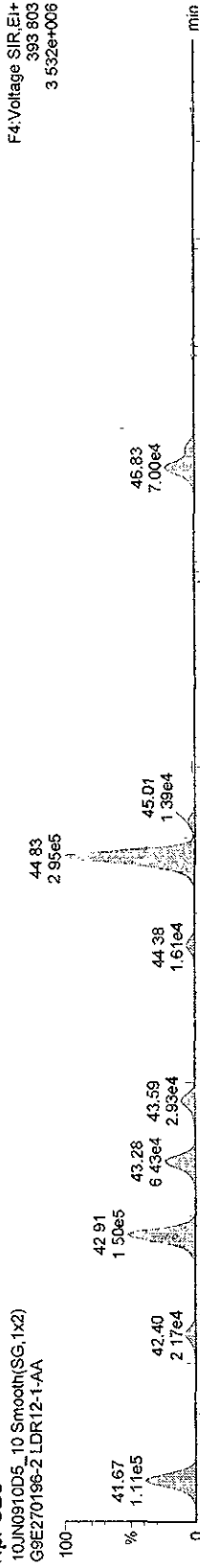
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Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

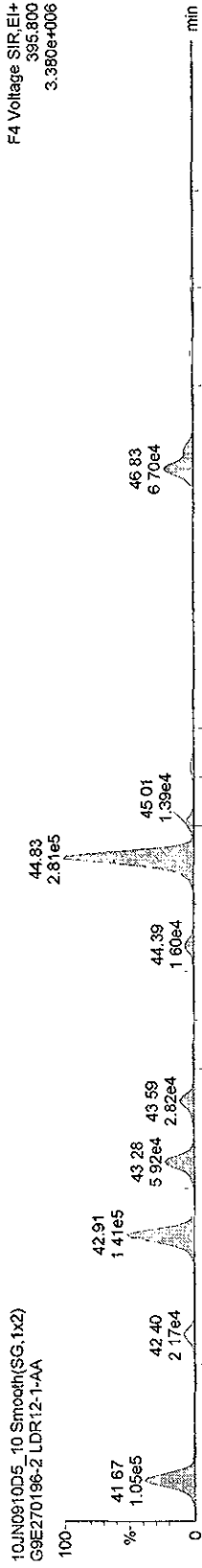
Name: 10JUN0910D5\_10, Date: 11-Jun-2009, Time: 02:08:43, ID: LDR12-1-AA, Description: G9E270196-2

HpPCBs

10JUN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

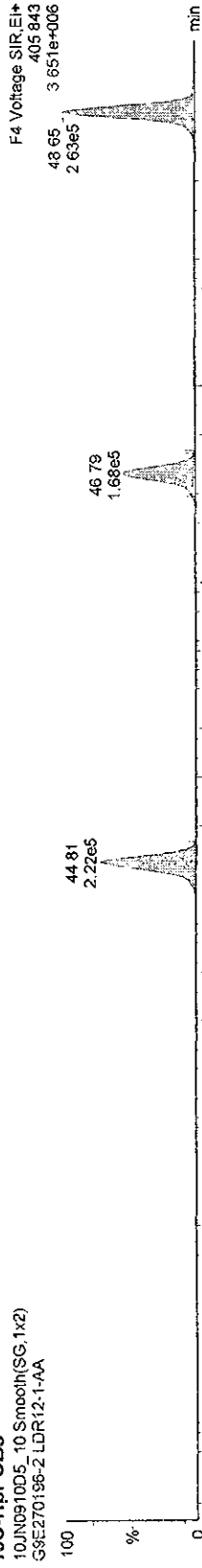


10JUN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

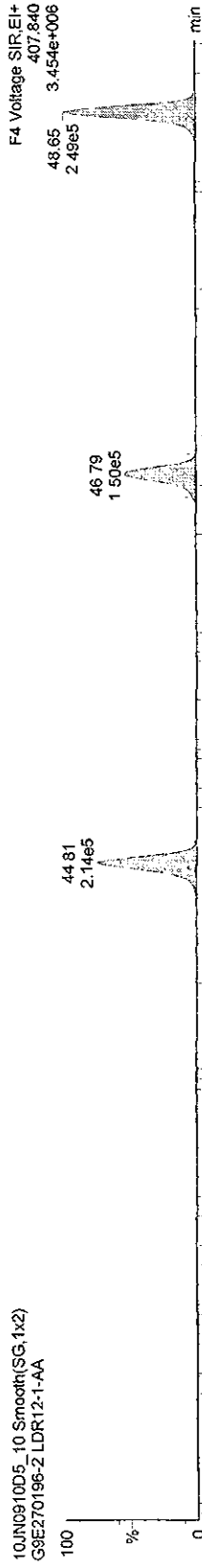


13C-HpPCBs

10JUN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA



10JUN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qid

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

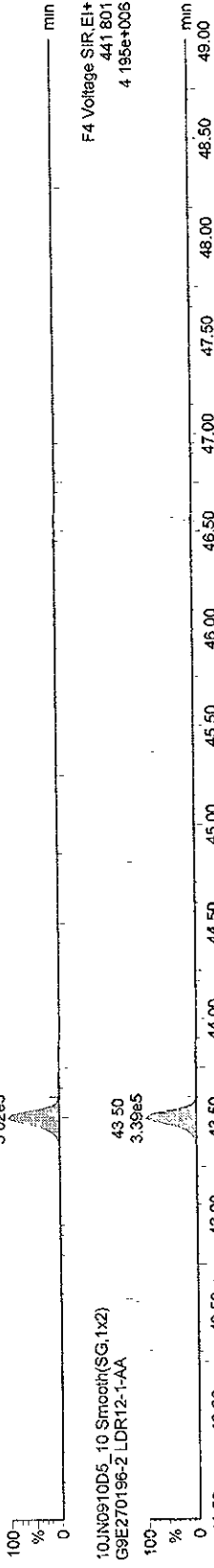
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_10, Date: 11-Jun-2009, Time: 02:08:43, ID: LDR12-1-AA, Description: G9E270196-2

13C-OcCB-202

10JN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

F4:Voltage SIR\_EI+  
439.804  
3.715e+006



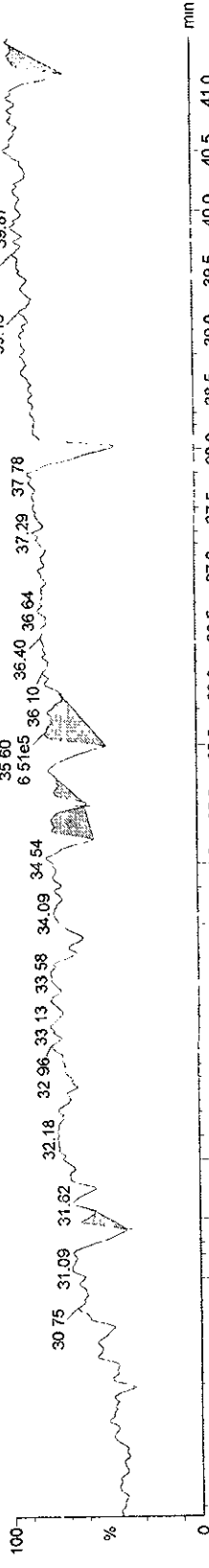
10JN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

F4:Voltage SIR\_EI+  
441.801  
4.195e+006

Function 3 PFK

10JN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

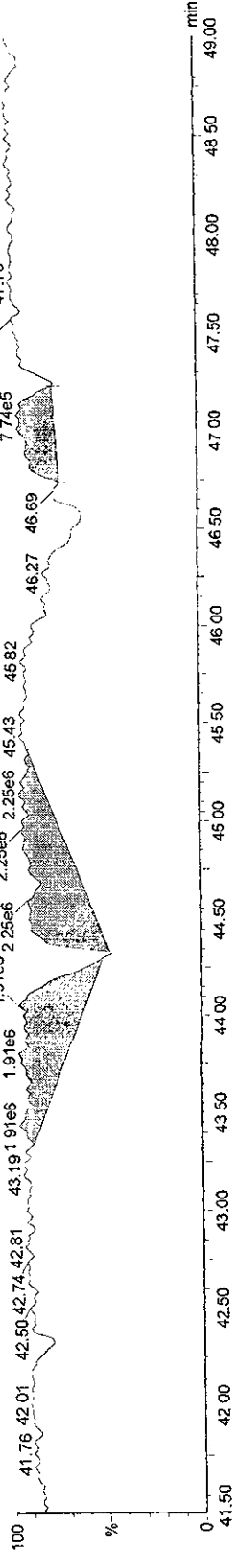
F3:Voltage SIR\_EI+  
380.976  
1.072e+007



Function 4 PFK

10JN0910D5\_10 Smooth(SG,1x2)  
G9E270196-2 LDR12-1-AA

F4:Voltage SIR\_EI+  
380.976  
1.070e+007





11

RL-1000  
V6 6.19.09

Quantify Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\10JN0910D5\1668MSL\vg.qld

Last Altered: Friday, June 19, 2009 12:30:14 Pacific Daylight Time  
Printed: Friday, June 19, 2009 12:32:41 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methodb\1668MSL10DB5.mdb 22 May 2009 10:05:00  
Calibration: C:\MassLynx\Default.pro\Curvedb\CA0528200910D5\1668MSL.cdb 29 May 2009 14:02:36

Name: 10JN0910D5\_11, Date: 11-Jun-2009, Time: 03:05:30, ID: LDR2A-1-AA, Description: G9E270196-3, Task:

#	Name	Trace	Sample Size	RT	Prod	RT	Abs.Resp.	pg	EMPC	%Rec.	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-PeCB-101	335.924	0.500	32.31	32.13	18021....	328654.99	36.2509	36.2509	0.9	0.05305	0.6369	NO	
2	13C-TeCB-81	301.963	0.500	34.17	34.26	1.03599	322449.33	3811.3468	3811.3468	95.3	10.55531	0.7815	NO	
3	TeCB-81	289.922	0.500	34.19	34.19	1.44583	ND	ND	ND	5.41112	5.41112	NO	NO	
4	13C-TeCB-77	301.963	0.500	34.84	34.96	1.06641	364398.38	4107.2745	4107.2745	102.7	10.06541	0.7856	NO	
5	TeCB-77	289.922	0.500	34.86	34.86	1.29292	37170.41	315.5801	315.5801	5.06930	5.06930	0.7542	NO	
6	13C-PeCB-123	335.924	0.500	36.49	36.59	0.95097	383638.03	4939.9693	4939.9693	123.5	6.15591	0.6217	NO	19-Jun-09
7	PeCB-123	323.883	0.500	36.54	36.50	1.51322	15744.46	108.4837	108.4837	3.85426	3.85426	0.5974	NO	
8	13C-PeCB-118	335.924	0.500	36.65	36.76	0.97393	387837.56	4876.3368	4876.3368	121.9	6.01082	0.6483	NO	
9	PeCB-118/106	323.883	0.500	36.69	36.67	1.52848	364060.03	2456.5348	2456.5348	3.86505	3.86505	0.5886	NO	
10	13C-PeCB-114	335.924	0.500	37.43	37.54	1.01913	420962.42	5058.0574	5058.0574	126.5	5.74421	0.6388	NO	
11	PeCB-114	323.883	0.500	37.44	37.44	1.58175	ND	ND	ND	3.46424	3.46424	NO	NO	
12	13C-PeCB-105	335.924	0.500	38.47	38.62	0.96994	405958.02	5125.1800	5125.1800	128.1	6.03556	0.6184	NO	
13	PeCB-105/127	323.883	0.500	38.48	38.48	1.41405	133149.02	927.7974	927.7974	4.00193	4.00193	0.6208	NO	
14	13C-PeCB-126	335.924	0.500	40.75	40.97	1.05005	506463.44	5906.1927	5906.1927	147.7	5.57506	0.6160	NO	
15	PeCB-126	323.883	0.500	40.78	40.78	1.18292	ND	ND	ND	3.94544	3.94544	NO	NO	
16	13C-OcCB-202	439.804	0.500	43.50	43.51	22301....	643910.28	57.7459	57.7459	1.4	0.02919	0.9040	NO	
17	OcCB-202	439.804	0.500	43.50	43.51	22301....	643910.28	57.7459	57.7459	1.4	0.02919	0.9040	NO	
18	13C-HxCB-167	371.882	0.500	42.10	42.09	0.92060	603041.91	4069.2087	4069.2087	101.7	3.65405	1.2793	NO	
19	HxCB-167	359.841	0.500	42.12	42.13	1.34432	15757.21	77.7481	77.7481	2.36697	2.36697	1.0070	YES	
20	13C-HxCB-156	371.882	0.500	43.65	43.67	0.74676	487856.30	4058.3136	4058.3136	101.5	4.50469	1.3060	NO	
21	HxCB-156	359.841	0.500	43.67	43.68	1.67701	25645.89	125.3862	125.3862	2.34307	2.34307	1.2749	NO	
22	13C-HxCB-157	371.882	0.500	44.02	44.05	0.78876	521271.05	4105.3749	4105.3749	102.6	4.26482	1.2912	NO	
23	HxCB-157	359.841	0.500	44.04	44.04	1.65897	6093.31	28.1845	28.1845	2.14099	2.14099	1.2022	NO	
24	13C-HxCB-169	371.882	0.500	46.24	46.30	0.84240	463472.02	3417.7608	3417.7608	85.4	3.99328	1.3037	NO	
25	HxCB-169	359.841	0.500	46.27	46.27	1.15392	ND	ND	ND	3.54241	3.54241	NO	NO	
26	13C-HpCB-180	405.843	0.500	44.81	44.81	0.63199	395757.34	3890.0226	3890.0226	97.3	2.97147	1.0540	NO	
27	HpCB-180	393.803	0.500	44.83	44.84	1.27271	203080.41	1612.7618	1612.7618	2.89339	2.89339	1.0294	NO	

Quantify Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\10JN0910D5\1668MSL\vg.qld

Last Altered: Friday, June 19, 2009 12:30:14 Pacific Daylight Time  
 Printed: Friday, June 19, 2009 12:32:41 Pacific Daylight Time

Name: 10JN0910D5\_11, Date: 11-Jun-2009, Time: 03:05:30, ID: LDR2A-1-AA, Description: G9E270196-3, Task:

# Name	Trace	Sample Size	RT	Pid	RT	RRF	M	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32 13C-HpCB-170	405.843	0.500	46.79	46.83	0.51406			287154.66	3470 0783	3470.0783	86.8	3.65319	1 0689	NO	
33 HpCB-170	393.803	0.500	46.81	46.81	1.58019			38073.10	<del>3914.5992</del>	301.6459		3.09111	1 2698	YES	
34 13C-HpCB-189	405.843	0.500	48.64	48.67	0.70062			441501.45	3914.5992	3914.5992	97.9	2.68043	1 0506	NO	
35 HpCB-189	393.803	0.500		48.67	1.22015				<i>ND</i>			2.30365		NO	
36															
37 13C-PeCB-111	335.924	0.500	34.05	33.90	1.28382			374769.31	2773.7413		69.3	3.87577	0.6475	NO	
38															
39 Function 3 PFK	380.976	1.000													
40 Function 4 PFK	380.976	1.000													

Quantify Compound Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\10JN0910D5\1668MSLvg.qid

Last Altered: Friday, June 19, 2009 12:30:14 Pacific Daylight Time  
Printed: Friday, June 19, 2009 12:31:48 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 22 May 2009 10:05:00  
Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0528200910D5\1668MSL.cdb 29 May 2009 14:02:36

Sample Name: 10JN0910D5\_11

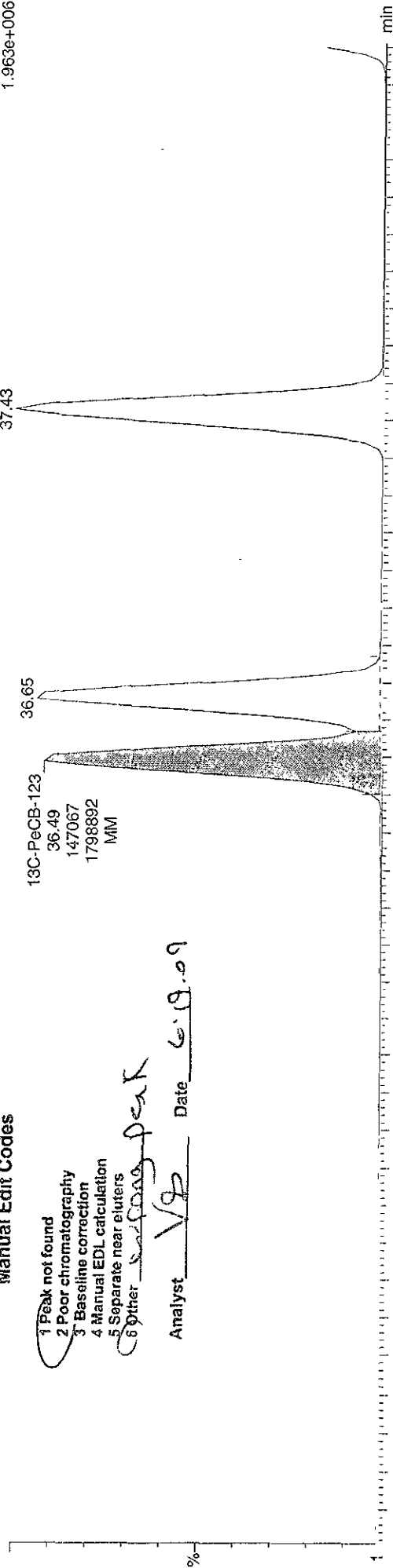
10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other *splitting peak*

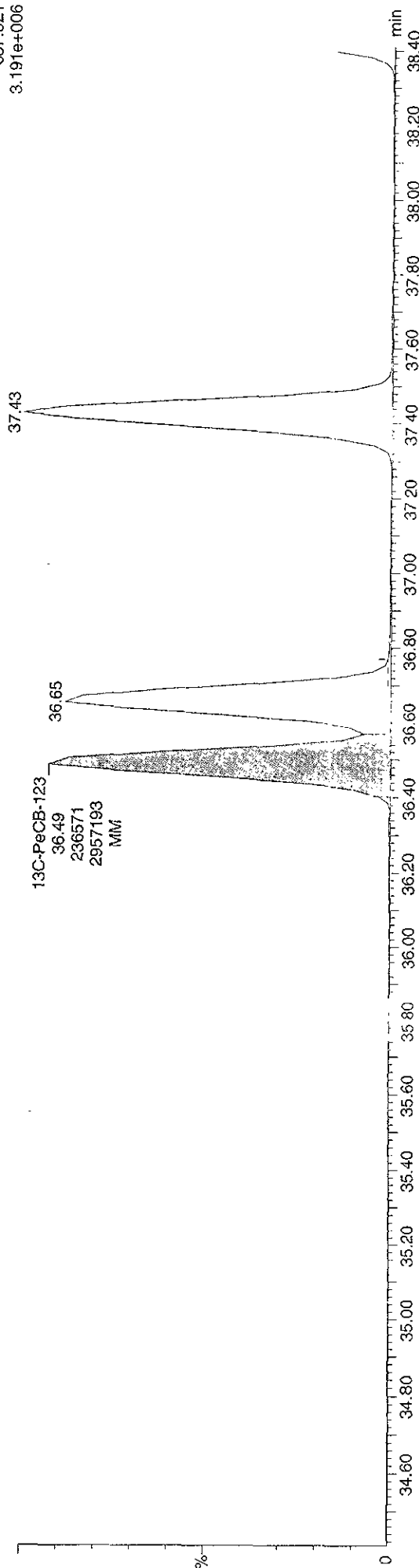
Analyst VP Date 6.19.09

F3: Voltage SIR, EI+  
335.924  
1.963e+006



0JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA

F3: Voltage SIR, EI+  
337.921  
3.191e+006



Quantify Compound Report MassLynx 4.1

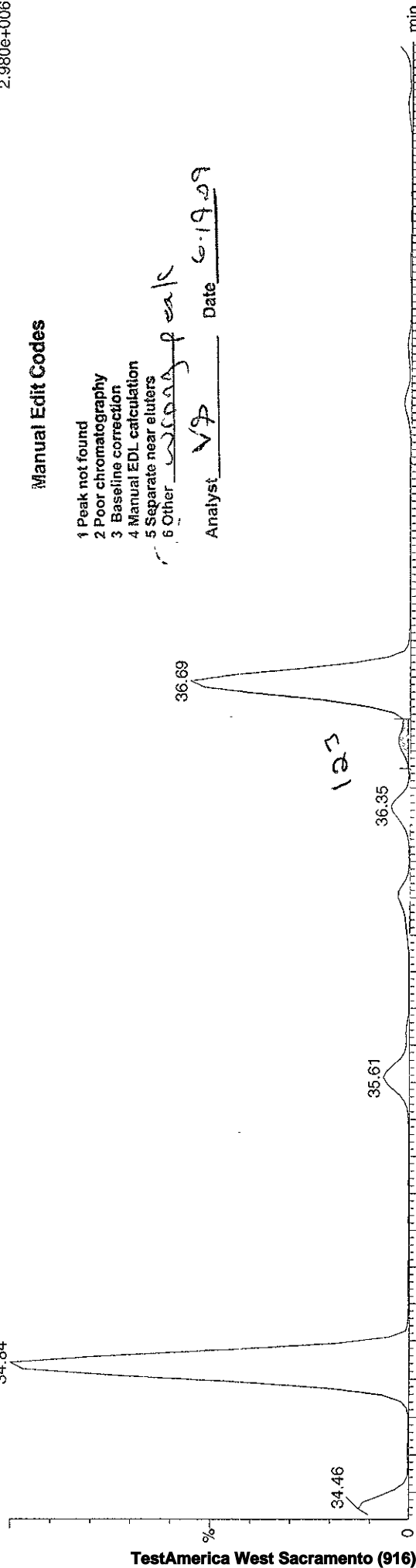
Dataset: \\Terastation\share\ATG\10D5\10JN0910D51668MSLVg.qld

Last Altered: Friday, June 19, 2009 12:30:14 Pacific Daylight Time  
Printed: Friday, June 19, 2009 12:31:48 Pacific Daylight Time

Sample Name: 10JN0910D5\_11

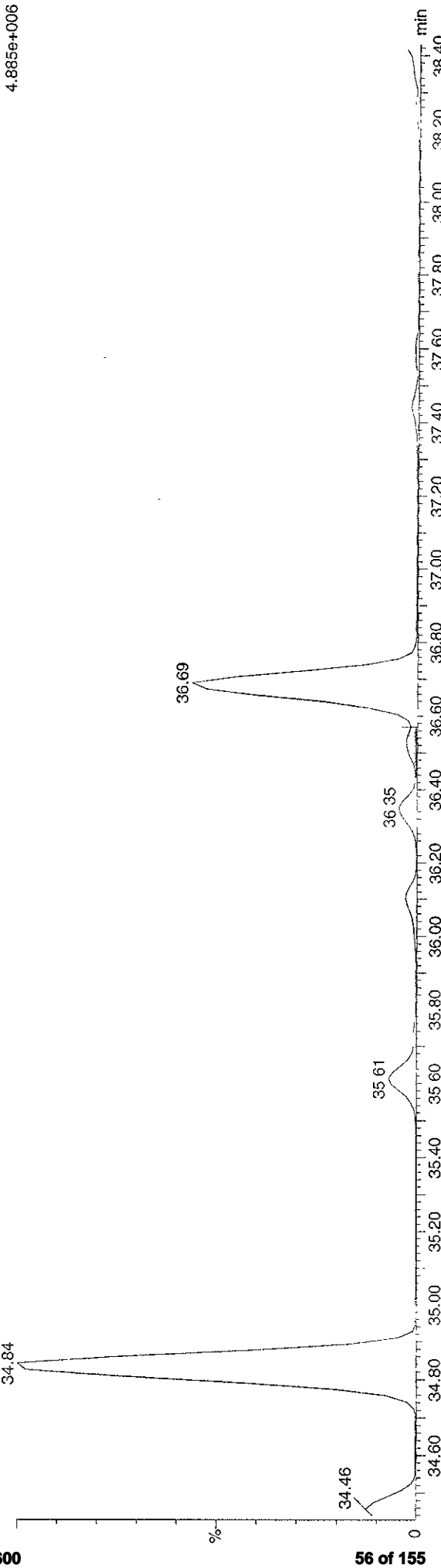
10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA

F3:Voltage SIR,EI+  
323.883  
2.980e+006



10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA

F3:Voltage SIR,EI+  
325.880  
4.885e+006



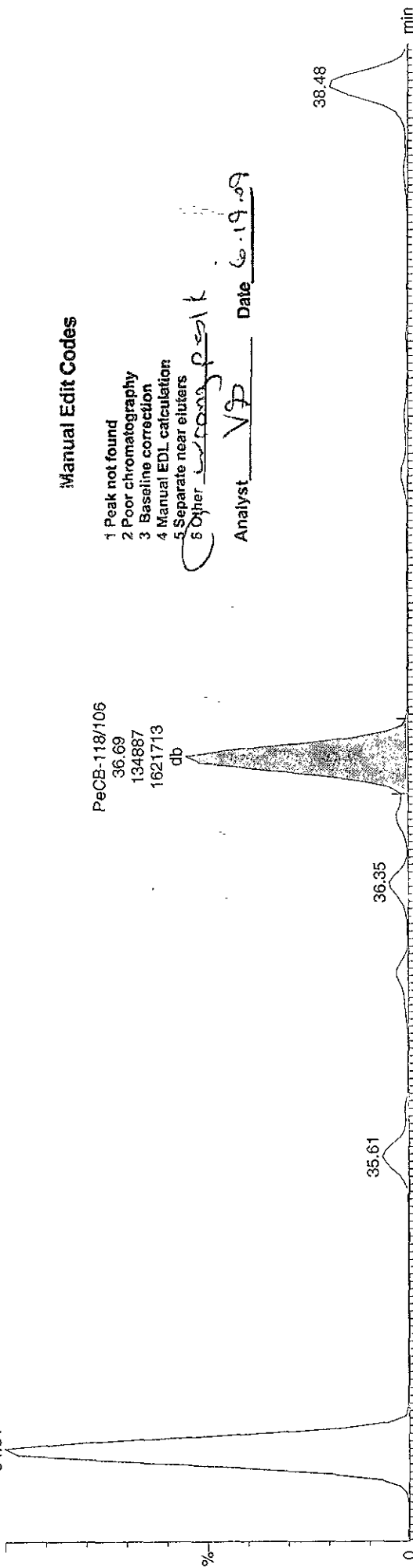
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Last Altered: Friday, June 19, 2009 12:30:14 Pacific Daylight Time  
Printed: Friday, June 19, 2009 12:31:48 Pacific Daylight Time

Sample Name: 10JN0910D5\_11

10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA

F3:Voltage SIR,EI+  
323.883  
2.980e+006



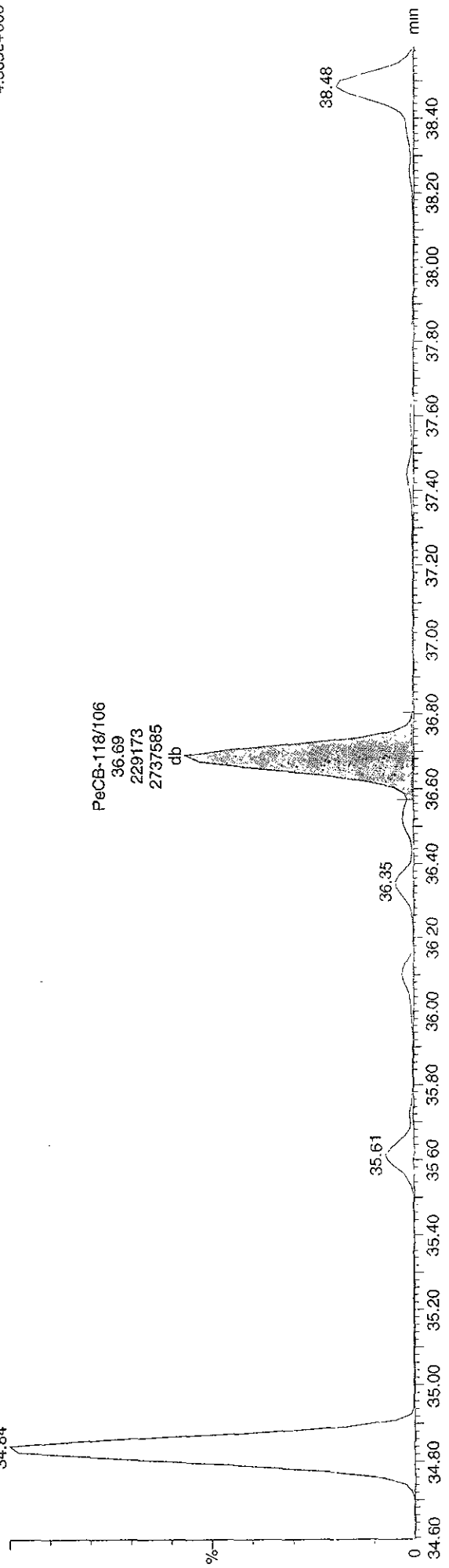
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other *secondary peak*

Analyst VP Date 6.19.09

10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA

F3:Voltage SIR,EI+  
325.880  
4.885e+006



Quantify Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qid

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
 Printed: Friday, June 12, 2009 19:08:30 Pacific Daylight Time

Name: 10JUN0910D5\_11, Date: 11-Jun-2009, Time: 03:05:30, ID: LDR2A-1-AA, Description: G9E270196-3, Task:

# Name	Trace	Sample Size	RT	Prod. RT	RRF	M	Abs. Resp	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1 13C-PeCB-101	335.924	0.500	32.31	32.13	18021	...	326654.99	36.2509	0.9	0.05305	0.64	NO	
2													
3 13C-TeCB-81	301.963	0.500	34.17	34.26	1.03599		322449.33	3811.3468	95.3	10.55531	0.78	NO	
4 TeCB-81	289.922	0.500	34.19	34.19	1.44583					5.41112		NO	
5 13C-TeCB-77	301.963	0.500	34.84	34.96	1.08641		364398.38	4107.2745	102.7	10.06541	0.79	NO	
6 TeCB-77	289.922	0.500	34.86	34.86	1.29292		37170.41	315.5801		5.06930	0.75	NO	
7													
8 13C-PeCB-123	335.924	0.500	36.65	36.59	0.95097		387837.56	4994.0452	124.9	6.15591	0.65	NO	
9 PeCB-123	323.883	0.500	36.69	36.67	1.51322		364060.03	2481.3132		3.90404	0.59	NO	
10 13C-PeCB-118	335.924	0.500	36.65	36.75	0.97393		387837.56	4876.3368	121.9	6.01082	0.65	NO	
11 PeCB-118/106	323.883	0.500	36.54	36.67	1.52848		15744.46	106.2375		3.86505	0.60	NO	
12 13C-PeCB-114	335.924	0.500	37.43	37.54	1.01913		420962.42	5058.0574	126.5	5.74421	0.64	NO	
13 PeCB-114	323.883	0.500	37.44	37.44	1.58175					3.46424		NO	
14 13C-PeCB-105	335.924	0.500	38.47	38.62	0.96994		405958.02	5125.1800	128.1	6.03556	0.62	NO	
15 PeCB-105/127	323.883	0.500	38.48	38.48	1.41405		133149.02	927.7974		4.00193	0.62	NO	
16 13C-PeCB-126	335.924	0.500	40.75	40.96	1.05005		506463.44	5906.1927	147.7	5.57506	0.62	NO	
17 PeCB-126	323.883	0.500	40.78	40.78	1.18292					3.94544		NO	
18													
19 13C-OcCB-202	439.804	0.500	43.50	43.51	22301	...	643910.28	57.7459	1.4	0.02919	0.90	NO	
20													
21 13C-HxCB-167	371.882	0.500	42.10	42.09	0.92060		603041.91	4069.2087	101.7	3.65405	1.28	NO	
22 HxCB-167	359.841	0.500	42.12	42.13	1.34432		15757.21	77.7481		2.36697	1.01	YES	
23 13C-HxCB-156	371.882	0.500	43.65	43.67	0.74676		487856.30	4058.3136	101.5	4.50469	1.31	NO	
24 HxCB-156	359.841	0.500	43.67	43.68	1.67701		25645.89	125.3862		2.34307	1.27	NO	
25 13C-HxCB-157	371.882	0.500	44.02	44.05	0.78876		521271.05	4105.3749	102.6	4.26482	1.29	NO	
26 HxCB-157	359.841	0.500	44.04	44.04	1.65897		6093.31	28.1845		2.14099	1.20	NO	
27 13C-HxCB-169	371.882	0.500	46.24	46.30	0.84240		463472.02	3417.7608	85.4	3.99328	1.30	NO	
28 HxCB-169	359.841	0.500	46.27	46.27	1.15392					3.54241		NO	
29													
30 13C-HpCB-180	405.843	0.500	44.81	44.81	0.63199		395757.34	3890.0226	97.3	2.97147	1.05	NO	
31 HpCB-180	393.803	0.500	44.83	44.84	1.27271		203080.41	1612.7618		2.89339	1.03	NO	
32 13C-HpCB-170	405.843	0.500	46.80	46.83	0.51406		287154.66	3470.0783	86.8	3.65319	1.07	NO	
33 HpCB-170	393.803	0.500	46.81	46.81	1.58019		38073.10	301.6459		3.09111	1.27	YES	
34 13C-HpCB-189	405.843	0.500	48.64	48.67	0.70062		441501.45	3914.5992	97.9	2.68043	1.05	NO	
35 HpCB-189	393.803	0.500	48.67	48.67	1.22015					2.30365		NO	

11

Quantify Sample Report MassLynx 4.1

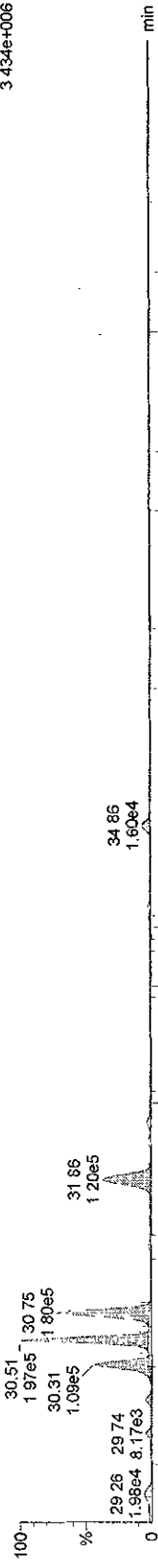
Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_11, Date: 11-Jun-2009, Time: 03:05:30, ID: LDR2A-1-AA, Description: G9E270196-3

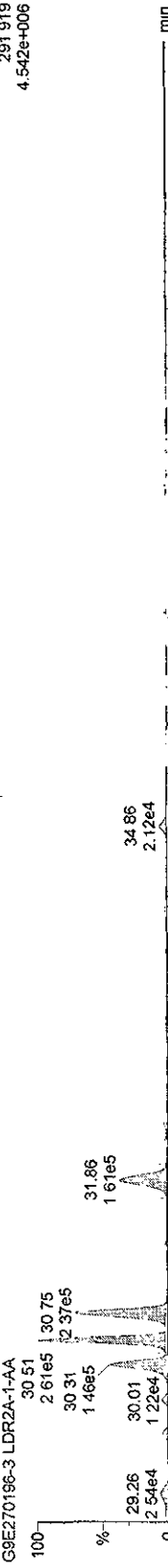
TetraPCBs

10JUN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



F3.Voltage SIR.EI+  
289.922  
3.434e+006

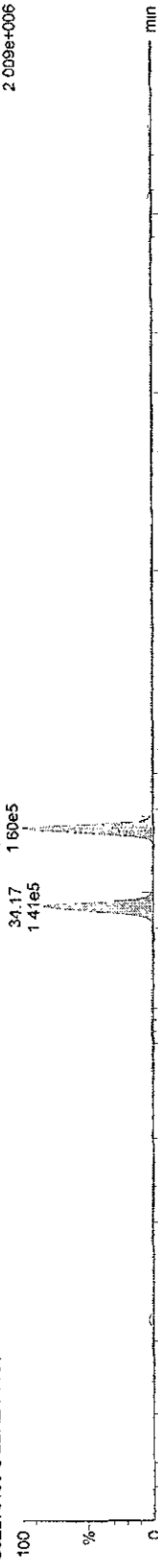
10JUN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



F3.Voltage SIR.EI+  
291.919  
4.542e+006

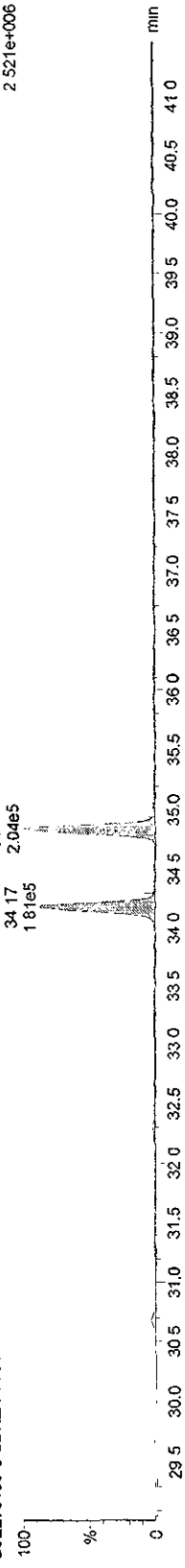
13C-TetrasPCBs

10JUN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



F3.Voltage SIR.EI+  
301.963  
2.009e+006

10JUN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



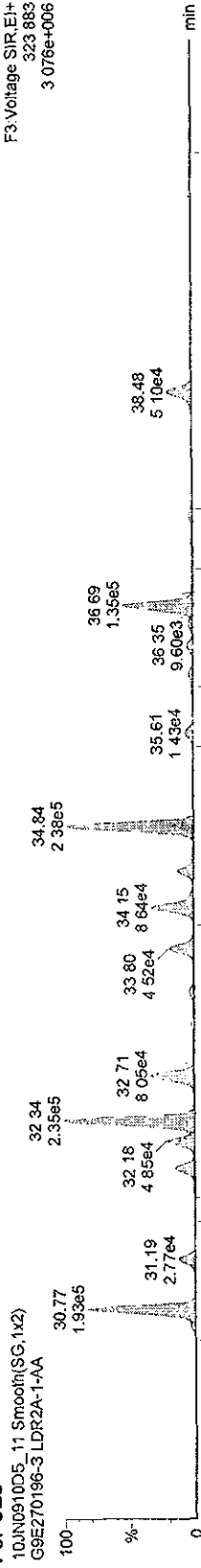
F3.Voltage SIR.EI+  
303.960  
2.521e+006

Quantify Sample Report MassLynx 4.1

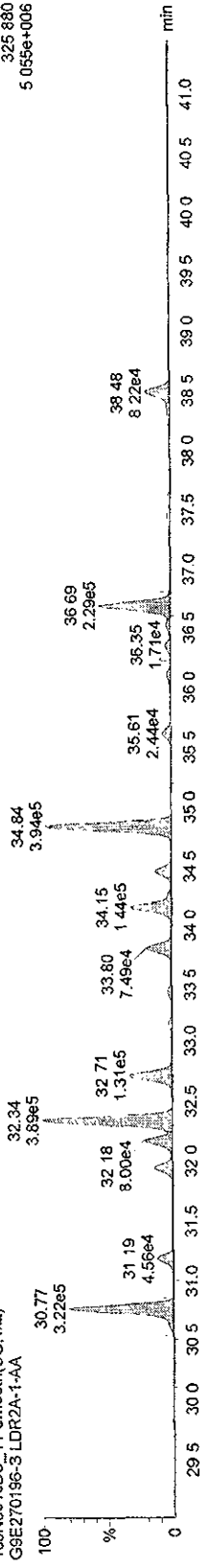
Dataset C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld  
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_11, Date: 11-Jun-2009, Time: 03:05:30, ID: LDR2A-1-AA, Description: G9E270196-3

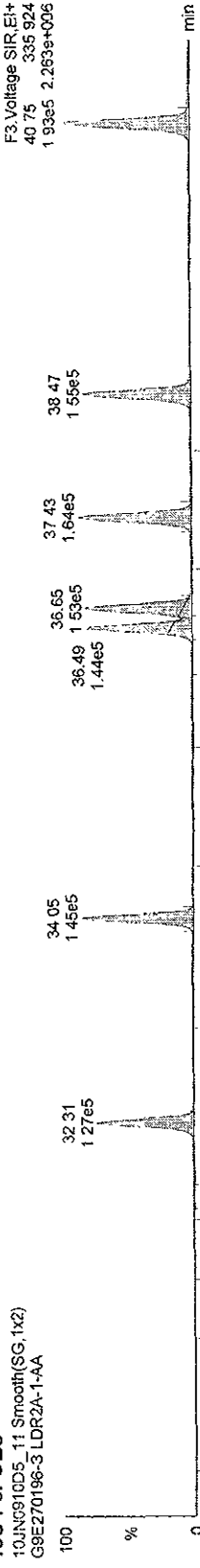
PePCBs



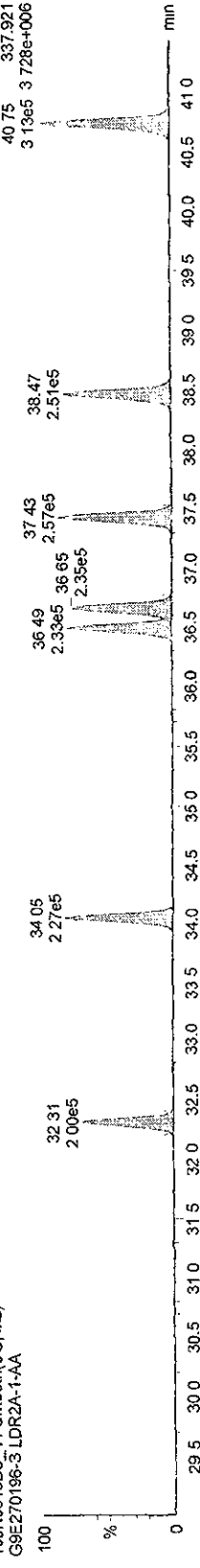
13C-PePCBs



13C-PePCBs



13C-PePCBs



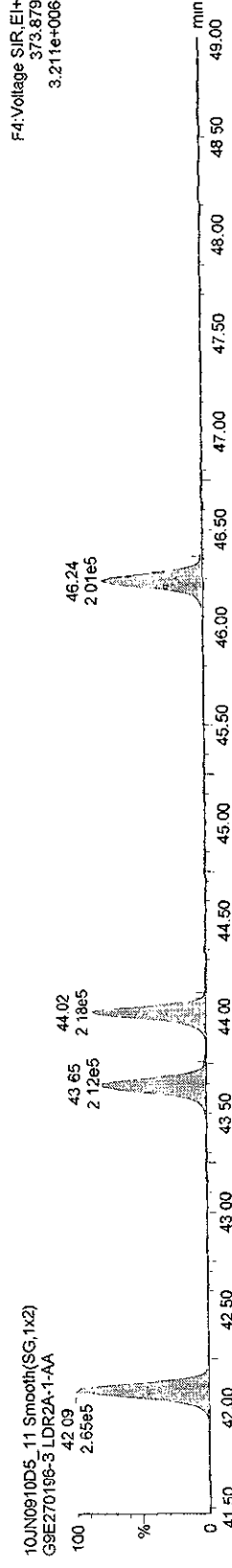
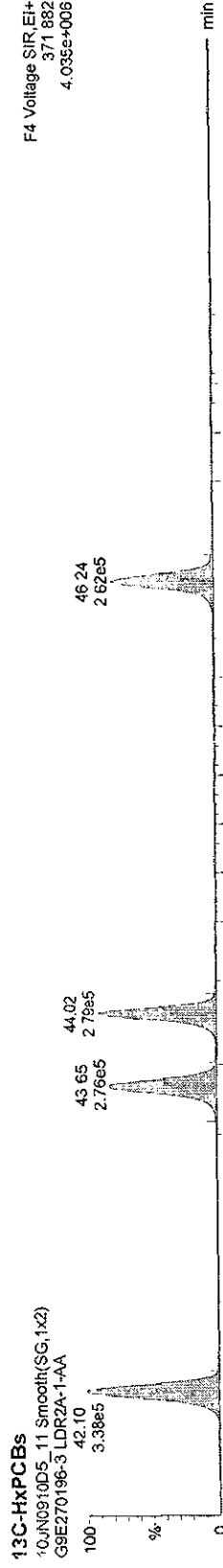
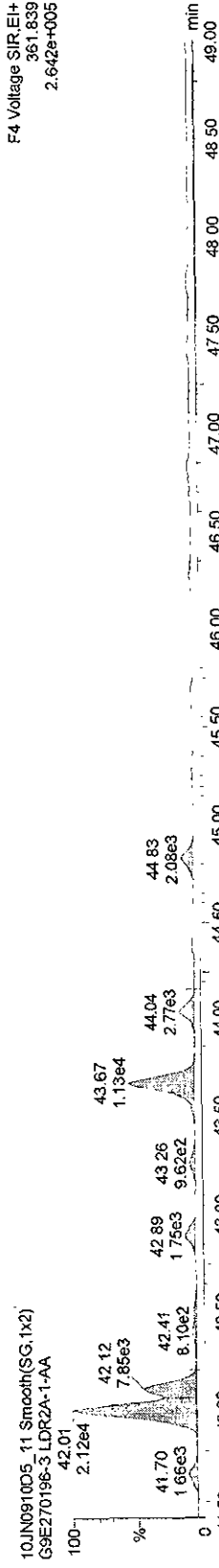
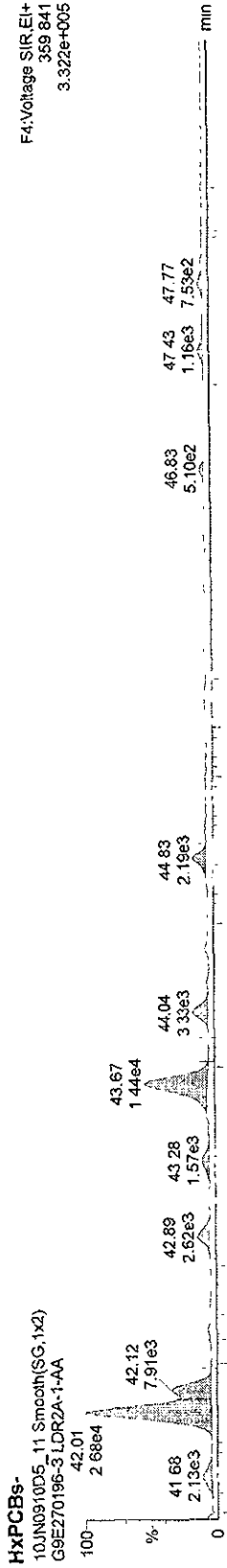


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D5-1668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_11, Date: 11-Jun-2009, Time: 03:05:30, ID: LDR2A-1-AA, Description: G9E270196-3



Quantify Sample Report MassLynx 4.1

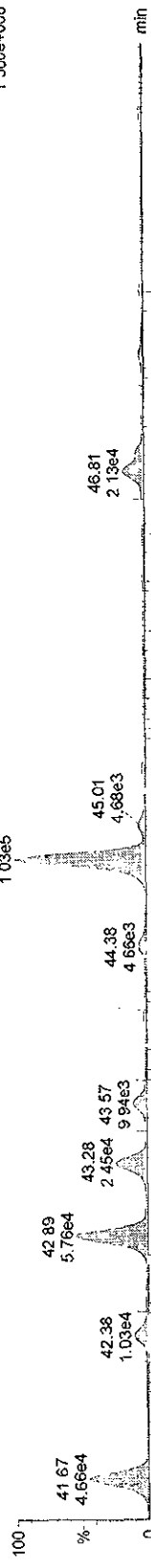
Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_11, Date: 11-Jun-2009, Time: 03:05:30, ID: LDR2A-1-AA, Description: G9E270196-3

HpPCBs

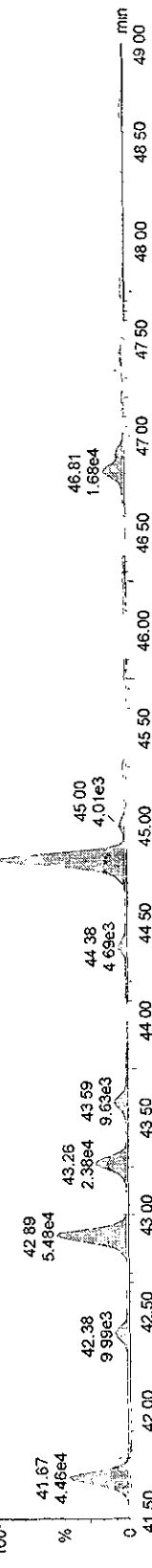
10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



F4 Voltage SIR, EI+  
393.803  
1.300e+006

HpPCBs

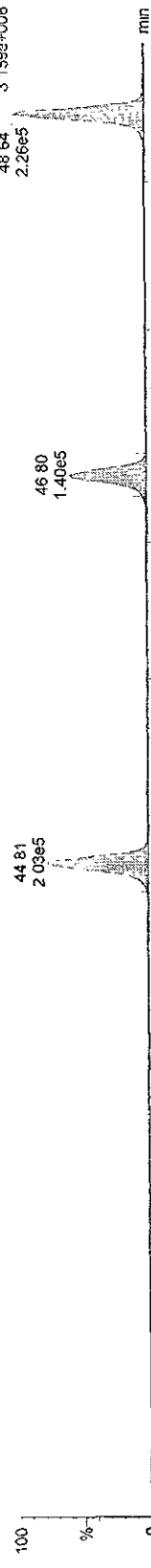
10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



F4 Voltage SIR, EI+  
395.800  
1.248e+006

13C-HpPCBs

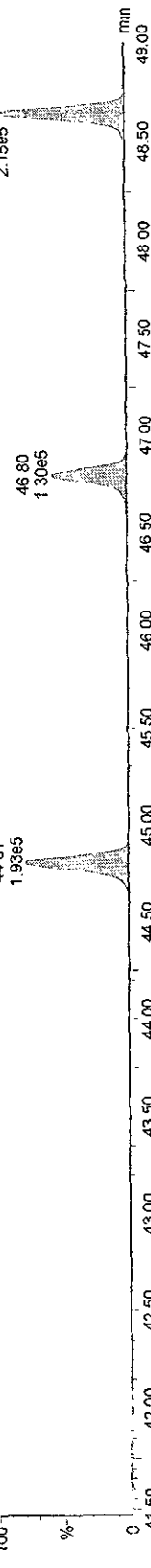
10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



F4 Voltage SIR, EI+  
405.843  
3.159e+006

HpPCBs

10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



F4 Voltage SIR, EI+  
407.840  
2.998e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

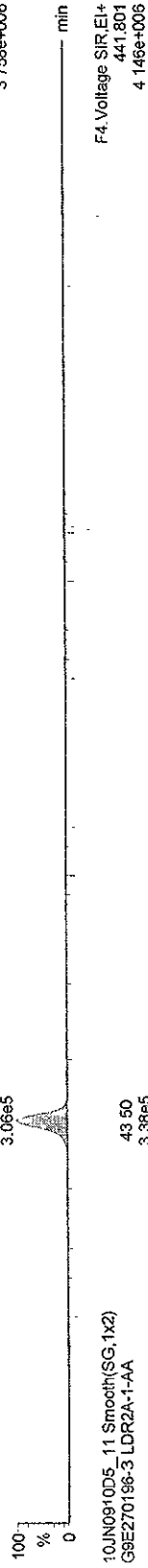
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_11, Date: 11-Jun-2009, Time: 03:05:30, ID: LDR2A-1-AA, Description: G9E270196-3

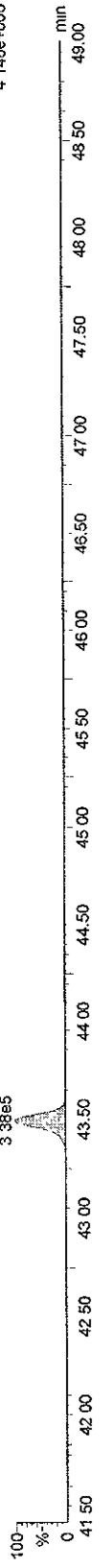
13C-OcCB-202

10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



F4: Voltage SIR\_EI+  
439.804  
3.758e+006

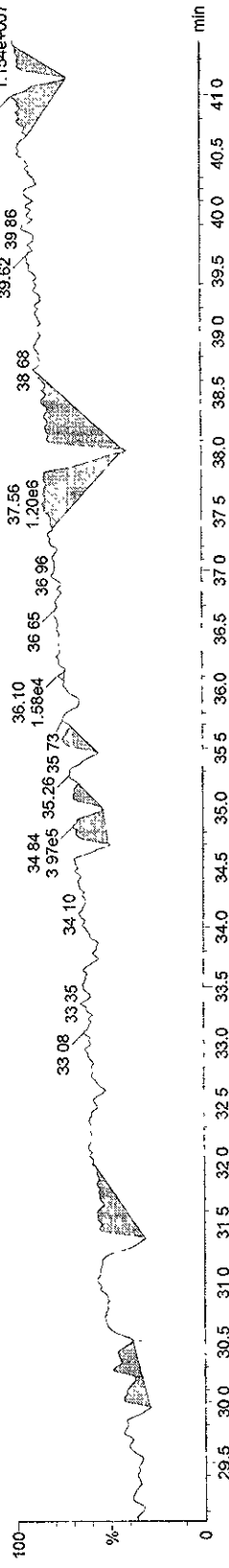
10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



F4: Voltage SIR\_EI+  
441.801  
4.146e+006

Function 3 PFK

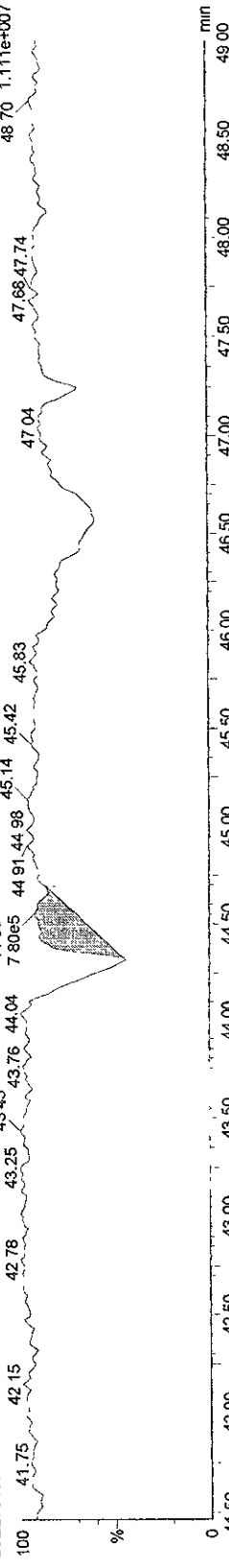
10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



F3: Voltage SIR\_EI+  
380.976  
1.154e+007

Function 4 PFK

10JN0910D5\_11 Smooth(SG,1x2)  
G9E270196-3 LDR2A-1-AA



F4: Voltage SIR\_EI+  
380.976  
1.111e+007

Quantify Sample Summary Report MassLynx 4.1

RC = 1000  
V# 6  
19.09

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:08:30 Pacific Daylight Time

Name: 10\_JN0910D5\_12, Date: 11-Jun-2009, Time: 04:02:23, ID: LDR2F-1-AA, Description: G9E270196-4, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	0.500	32.26	32.13	18021.	375123.25	41.6298	41.6298	1.0	0.06606	0.62	NO	
2													
3 13C-TeCB-81	301.963	0.500	34.14	34.21	1.03599	349476.69	3597.0834	3597.0834	89.9	8.38993	0.78	NO	
4 TeCB-81	289.922	0.500	34.15	34.15	1.44583					6.19046		NO	
5 13C-TeCB-77	301.963	0.500	34.79	34.91	1.08641	381296.33	3742.4433	3742.4433	93.6	8.00053	0.80	NO	
6 TeCB-77	289.922	0.500	34.81	34.81	1.29292	104014.72	<del>843.9582</del>	843.9582		6.35619	0.77	NO	
7													
8 13C-PeCB-123	335.924	0.500	36.45	36.54	0.95097	379092.80	4250.7293	4250.7293	106.3	6.67434	0.62	NO	
9 PeCB-123	323.883	0.500	36.50	36.47	1.51322	28284.19	<del>497.2226</del>	197.2226		4.29590	0.53	NO	
10 13C-PeCB-118	335.924	0.500	36.62	36.71	0.97393	388499.31	4253.5290	4253.5290	106.3	6.51703	0.62	NO	
11 PeCB-118/106	323.883	0.500	36.66	36.64	1.52848	691667.41	4659.1517	4659.1517		4.30961	0.61	NO	
12 13C-PeCB-114	335.924	0.500	37.39	37.49	1.01913	415605.69	4348.4775	4348.4775	108.7	6.22797	0.64	NO	
13 PeCB-114	323.883	0.500	37.41	37.41	1.58175		ND			3.97000		NO	
14 13C-PeCB-105	335.924	0.500	38.43	38.57	0.96994	409424.88	4501.0884	4501.0884	112.5	6.54386	0.64	NO	
15 PeCB-105/127	323.883	0.500	38.47	38.45	1.41405	287229.25	1984.4984	1984.4984		4.32579	0.60	NO	
16 13C-PeCB-126	335.924	0.500	40.73	40.92	1.05005	507863.42	5157.2925	5157.2925	128.9	6.04457	0.61	NO	
17 PeCB-126	323.883	0.500	40.76	40.76	1.18292		ND			4.45761		NO	
18													
19 13C-OcCB-202	439.804	0.500	43.48	43.51	22301.	626233.31	56.1606	56.1606	1.4	0.02947	0.90	NO	
20													
21 13C-HxCB-167	371.882	0.500	42.07	42.07	0.92060	592587.70	4111.5379	4111.5379	102.8	3.57355	1.28	NO	
22 HxCB-167	359.841	0.500	42.09	42.10	1.34432	23326.36	<del>177.7257</del>	101.9568		2.99278	0.93	YES	
23 13C-HxCB-156	371.882	0.500	43.62	43.65	0.74676	495679.66	4239.7864	4239.7864	106.0	4.40546	1.30	NO	
24 HxCB-156	359.841	0.500	43.65	43.65	1.67701	41170.12	<del>498.1093</del>	198.1093		2.90567	1.28	NO	
25 13C-HxCB-157	371.882	0.500	44.01	44.04	0.78876	549401.50	4449.0599	4449.0599	111.2	4.17087	1.29	NO	
26 HxCB-157	359.841	0.500	44.02	44.02	1.65897	9837.23	<del>43.1722</del>	43.1722		2.70687	1.23	NO	
27 13C-HxCB-169	371.882	0.500	46.22	46.29	0.84240	515052.05	3905.3365	3905.3365	97.6	3.90531	1.27	NO	
28 HxCB-169	359.841	0.500	46.80	46.25	1.15392	2175.36	<del>14.6408</del>	43.6688		4.10080	0.98	YES	
29													
30 13C-HpCB-180	405.843	0.500	44.78	44.80	0.63199	432141.00	4367.5492	4367.5492	109.2	3.60793	1.04	NO	
31 HpCB-180	393.803	0.500	44.81	44.81	1.27271	308360.31	2242.6639	2242.6639		2.72245	1.03	NO	
32 13C-HpCB-170	405.843	0.500	46.78	46.81	0.51406	326844.86	4061.1989	4061.1989	101.5	4.43566	1.05	NO	
33 HpCB-170	393.803	0.500	46.80	46.80	1.58019	64847.82	<del>502.2321</del>	502.2321		2.86815	1.06	NO	
34 13C-HpCB-189	405.843	0.500	48.62	48.65	0.70062	493951.28	4503.2751	4503.2751	112.6	3.25454	1.04	NO	
35 HpCB-189	393.803	0.500	48.65	48.65	1.22015		ND			2.21154		NO	

Quantify Sample Report MassLynx 4.1

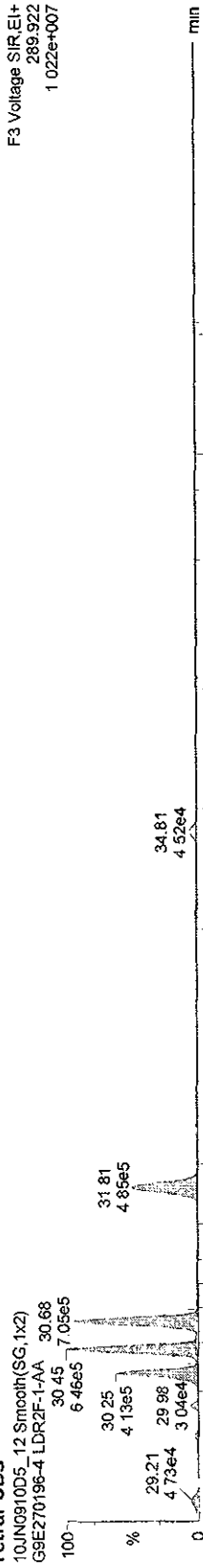
Dataset C:\MassLynx\Default pro\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

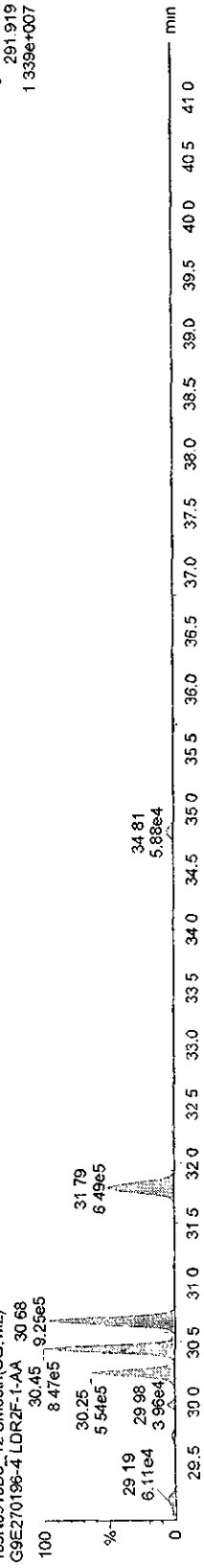
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_12, Date: 11-Jun-2009, Time: 04:02:23, ID: LDR2F-1-AA, Description: G9E270196-4

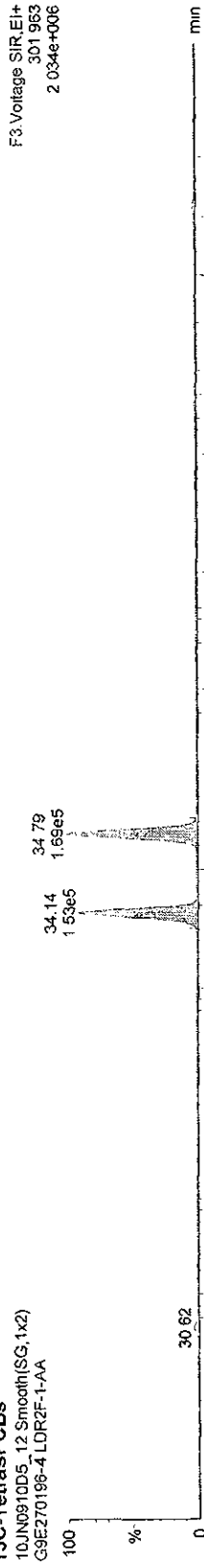
TetraPCBs



13C-TetrasPCBs



13C-TetrasPCBs

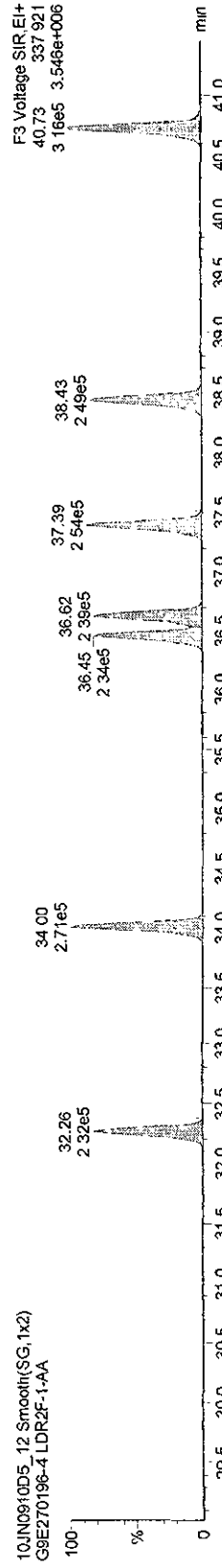
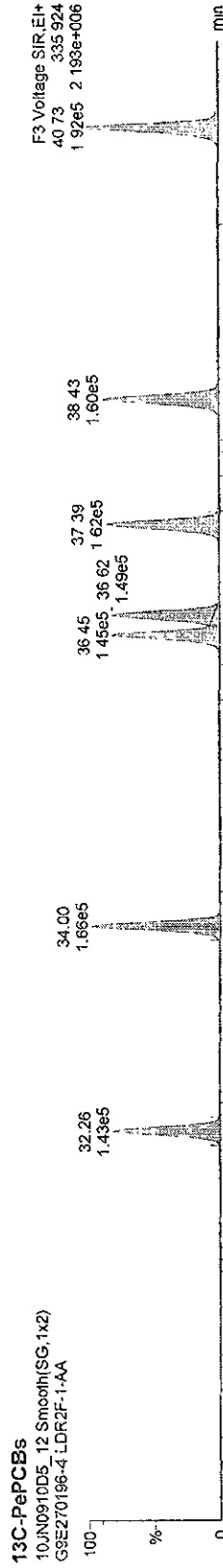
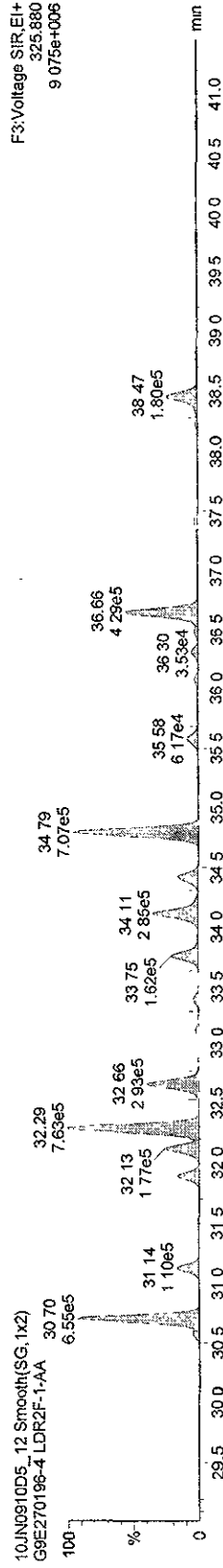
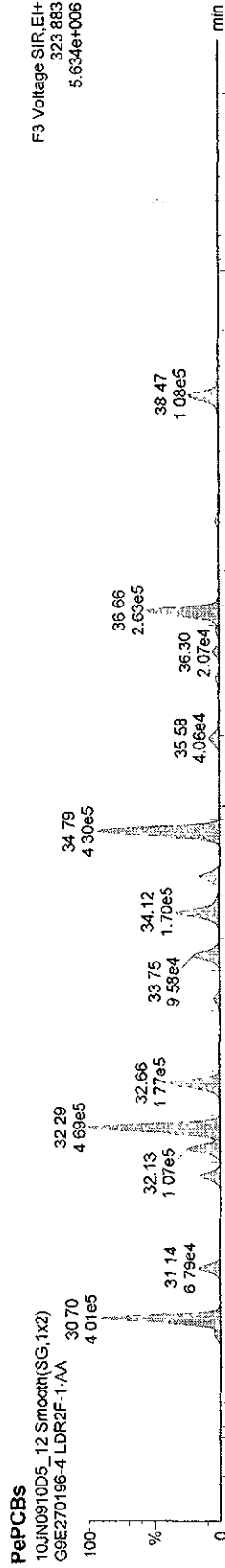


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

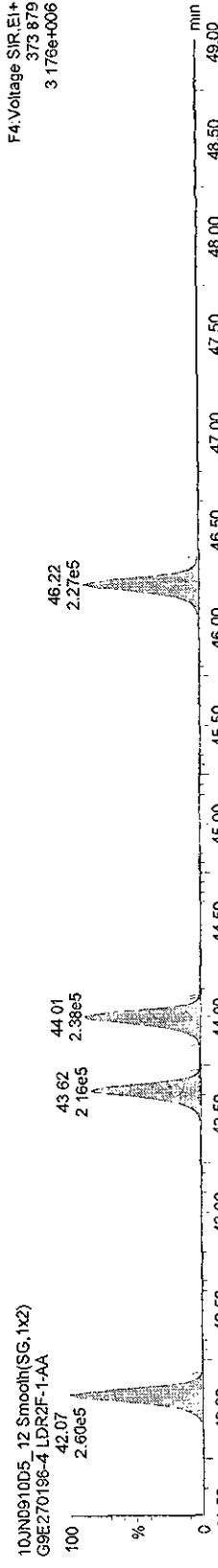
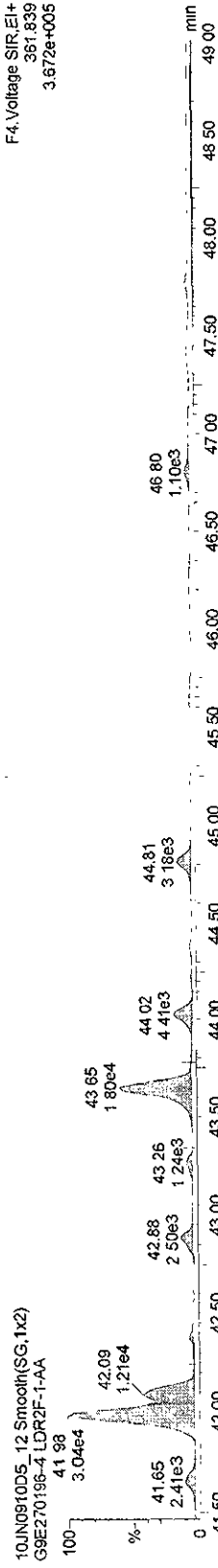
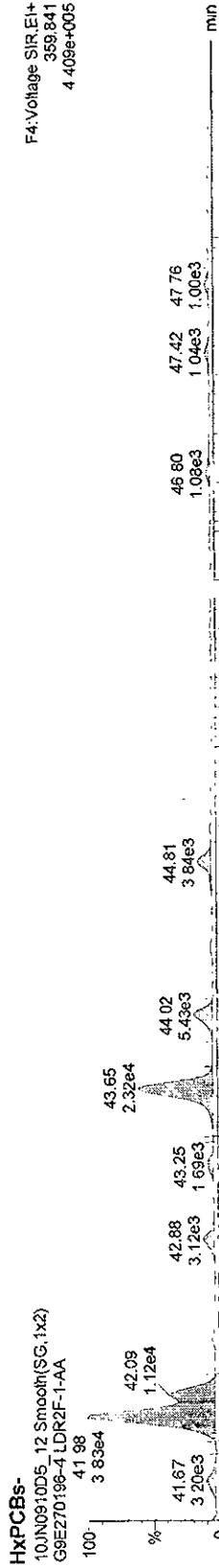
Name: 10JUN0910D5\_12, Date: 11-Jun-2009, Time: 04:02:23, ID: LDR2F-1-AA, Description: G9E270196-4



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld  
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_12, Date: 11-Jun-2009, Time: 04:02:23, ID: LDR2F-1-AA, Description: G9E270196-4



Quantify Sample Report MassLynx 4.1

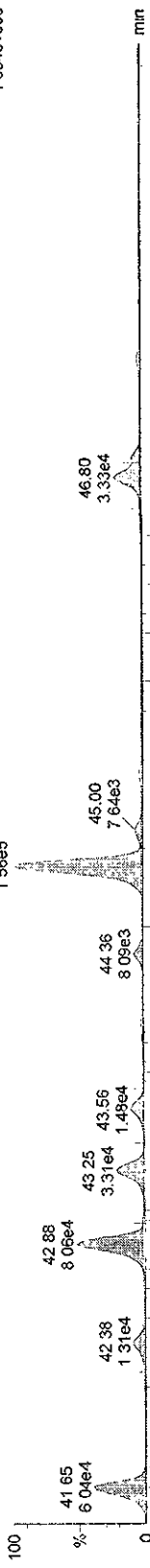
Dataset: C:\MassLynx\Default\pro\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_12, Date: 11-Jun-2009, Time: 04:02:23, ID: LDR2F-1-AA, Description: G9E270196-4

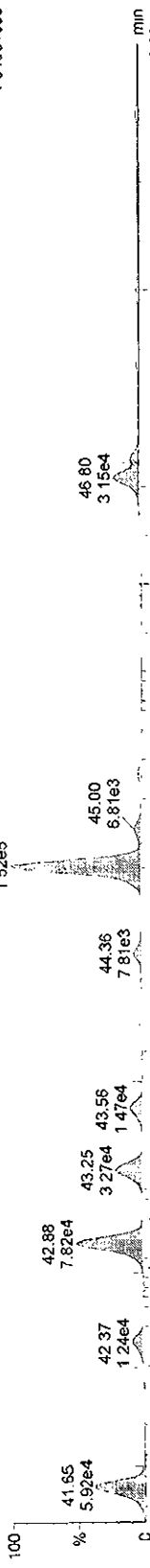
HpPCBs

10JN0910D5\_12 Smooth(SG,1x2)  
G9E270196-4 LDR2F-1-AA



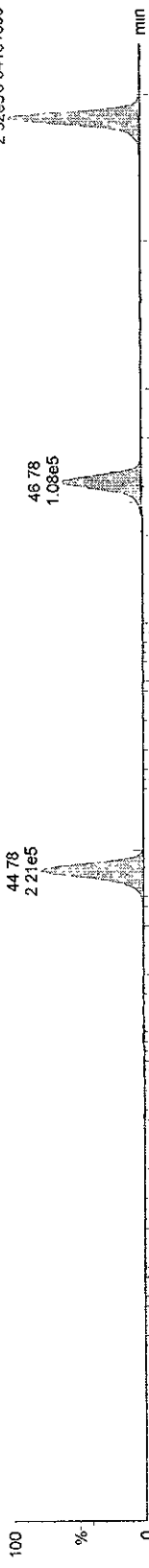
13C-HpPCBs

10JN0910D5\_12 Smooth(SG,1x2)  
G9E270196-4 LDR2F-1-AA



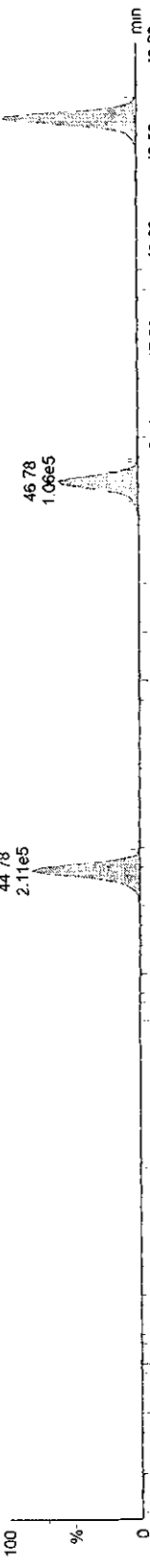
13C-HpPCBs

10JN0910D5\_12 Smooth(SG,1x2)  
G9E270196-4 LDR2F-1-AA



13C-HpPCBs

10JN0910D5\_12 Smooth(SG,1x2)  
G9E270196-4 LDR2F-1-AA





Quantify Sample Report MassLynx 4.1

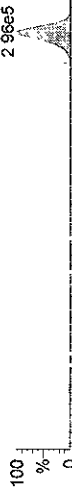
Dataset: C:\MassLynx\Default pro\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_12, Date: 11-Jun-2009, Time: 04:02:23, ID: LDR2F-1-AA, Description: G9E270196-4

13C-OcCB-202

10JUN0910D5\_12 Smooth(SG,1x2)  
G9E270196-4 LDR2F-1-AA



F4:Voltage SIR EI+  
439.804  
3.613e+006

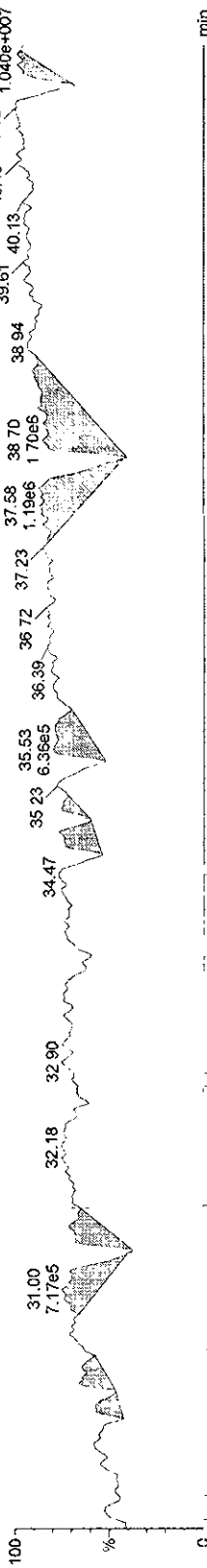
10JUN0910D5\_12 Smooth(SG,1x2)  
G9E270196-4 LDR2F-1-AA



F4:Voltage SIR EI+  
441.801  
3.946e+006

Function 3 PFK

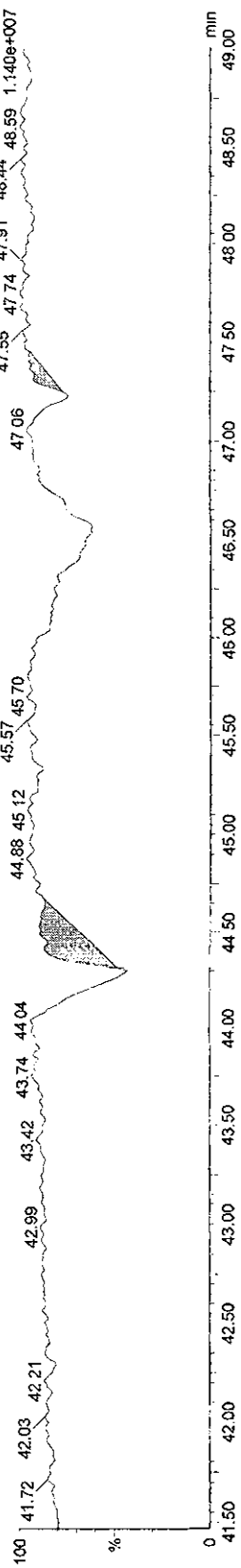
10JUN0910D5\_12 Smooth(SG,1x2)  
G9E270196-4 LDR2F-1-AA



F3:Voltage SIR EI+  
40.45 40.92 1.04e+007  
380.976

Function 4 PFK

10JUN0910D5\_12 Smooth(SG,1x2)  
G9E270196-4 LDR2F-1-AA



F4 Voltage SIR EI+  
380.976  
1.14e+007

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qid

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
 Printed: Friday, June 12, 2009 19:08:30 Pacific Daylight Time

Name: 10JUN0910D5\_13, Date: 11-Jun-2009, Time: 04:59:10, ID: LDR2J-1-AA, Description: G9E270196-5, Task:

13  
 V# 6.19.09

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1 13C-PeCB-101	335.924	0.500	32.01	32.13	18021....	740975.44	82.2307	0.07979	0.62	NO	
2											
3 13C-TeCB-81	301.963	0.500	33.92	33.95	1.03599	577220.77	3007.7686	3.96466	0.78	NO	
4 TeCB-81	289.922	0.500	33.94	33.94	1.44583			2.14964		NO	
5 13C-TeCB-77	301.963	0.500	34.61	34.66	1.08641	629225.72	3126.5778	3.78065	0.80	NO	
6 TeCB-77	289.922	0.500	34.62	34.62	1.29292			2.29334		NO	
7											
8 13C-PeCB-123	335.924	0.500	36.29	36.28	0.95097	583562.97	3312.6520	4.08129	0.64	NO	
9 PeCB-123	323.883	0.500	36.47	36.30	1.51322	2525.74	11.4409	1.50094	0.55	NO	
10 13C-PeCB-118	335.924	0.500	36.45	36.45	0.97393	611989.89	3392.1384	3.98510	0.63	NO	
11 PeCB-118/106	323.883	0.500	36.47	36.47	1.52848			1.43230		NO	
12 13C-PeCB-114	335.924	0.500	37.24	37.24	1.01913	627324.20	3322.9052	3.80834	0.62	NO	
13 PeCB-114	323.883	0.500	37.26	37.26	1.58175			1.31982		NO	
14 13C-PeCB-105	335.924	0.500	38.31	38.31	0.96994	604777.17	3365.9594	4.00150	0.63	NO	
15 PeCB-105/127	323.883	0.500	38.33	38.33	1.41405			1.58093		NO	
16 13C-PeCB-126	335.924	0.500	40.63	40.66	1.05005	669480.69	3441.7796	3.69619	0.62	NO	
17 PeCB-126	323.883	0.500	40.66	40.66	1.18292			1.70445		NO	
18											
19 13C-OcCB-202	439.804	0.500	43.42	43.51	22301....	762211.06	68.3551	0.03682	0.88	NO	
20											
21 13C-HxCB-167	371.882	0.500	41.99	42.01	0.92060	755272.03	4305.4245	3.25435	1.28	NO	
22 HxCB-167	359.841	0.500	41.90	42.02	1.34432	266.72	1.0508	1.26907	1.29	NO	
23 13C-HxCB-156	371.882	0.500	43.57	43.59	0.74676	605122.00	4252.5238	4.01195	1.27	NO	
24 HxCB-156	359.841	0.500	43.60	43.60	1.67701			1.26878		NO	
25 13C-HxCB-157	371.882	0.500	43.95	43.98	0.78876	638794.25	4250.1116	3.79832	1.27	NO	
26 HxCB-157	359.841	0.500	43.96	43.96	1.65897			1.20251		NO	
27 13C-HxCB-169	371.882	0.500	46.18	46.22	0.84240	579763.14	3611.7599	3.55648	1.29	NO	
28 HxCB-169	359.841	0.500	46.21	46.21	1.15392			1.89907		NO	
29											
30 13C-HpCB-180	405.843	0.500	44.74	44.74	0.63199	511786.19	4249.7346	2.78510	1.04	NO	
31 HpCB-180	393.803	0.500	44.75	44.77	1.27271	842.32	4.3173	2.00350	0.74	YES	
32 13C-HpCB-170	405.843	0.500	46.73	46.75	0.51406	352264.64	3596.1895	3.42406	1.05	NO	
33 HpCB-170	393.803	0.500	46.73	46.75	1.58019	301.05	2.1633	2.27563	1.00	NO	
34 13C-HpCB-189	405.843	0.500	48.61	48.59	0.70062	553845.88	4148.5297	2.51231	1.07	NO	
35 HpCB-189	393.803	0.500	48.64	48.64	1.22015			1.74926		NO	

**Quantify Sample Summary Report**

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld  
 Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
 Printed: Friday, June 12, 2009 19:08:30 Pacific Daylight Time

**Name: 10JN0910D5\_13, Date: 11-Jun-2009, Time: 04:59:10, ID: LDR2J-1-AA, Description: G9E270196-5, Task:**

# Name	Trace	Sample Size	RT	Prd.RT	RRF Min	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl	Mod Date
36													
37	13C-PeCB-111	335 924	0.500	33.79	33.90	1 28382	729103.81	3667.3663	91.7	4.14142	0.62	NO	
38													
39	Function 3 PFK	380.976	1.000		0.00								
40	Function 4 PFK	380.976	1.000		0.00								

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

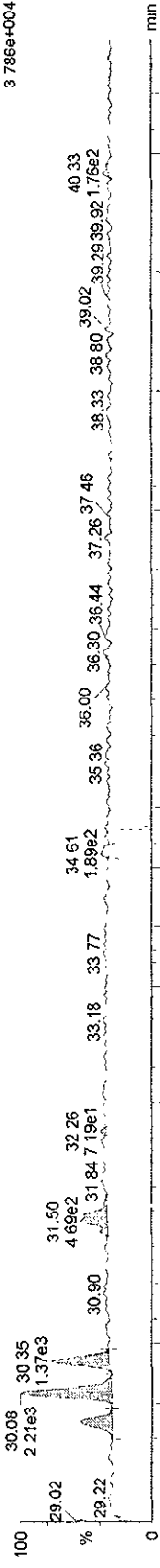
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_13, Date: 11-Jun-2009, Time: 04:59:10, ID: LDR2J-1-AA, Description: G9E270196-5

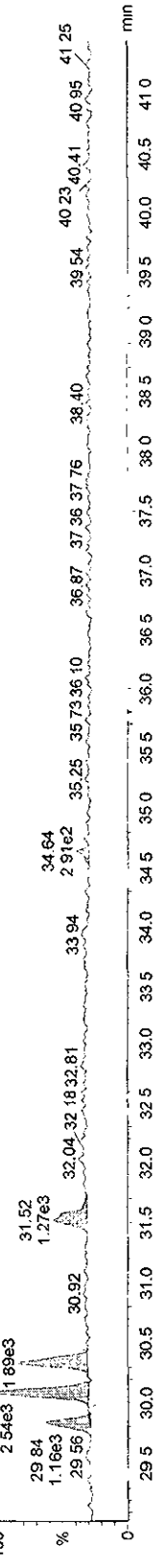
TetraPCBs

10JN0910D5\_13 Smooth(SG,1x2)  
G9E270196-5 LDR2J-1-AA



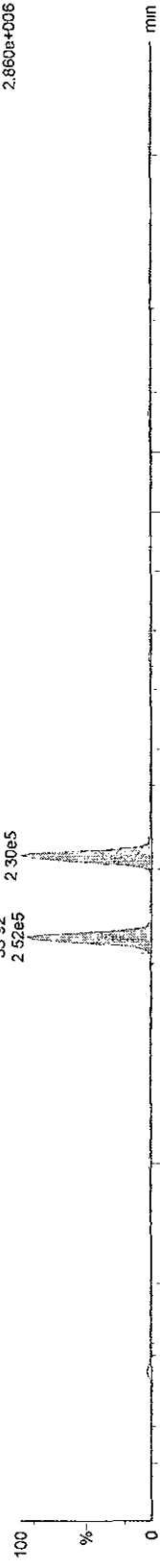
13C-TetrasPCBs

10JN0910D5\_13 Smooth(SG,1x2)  
G9E270196-5 LDR2J-1-AA



13C-TetrasPCBs

10JN0910D5\_13 Smooth(SG,1x2)  
G9E270196-5 LDR2J-1-AA



13C-TetrasPCBs

10JN0910D5\_13 Smooth(SG,1x2)  
G9E270196-5 LDR2J-1-AA



Quantify Sample Report MassLynx 4.1

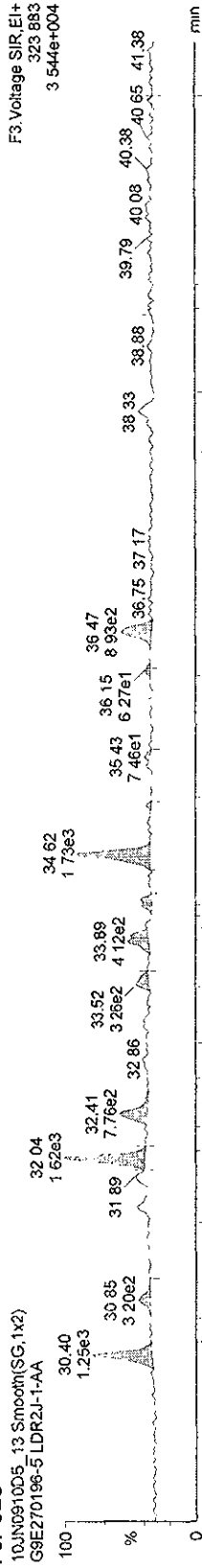
Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

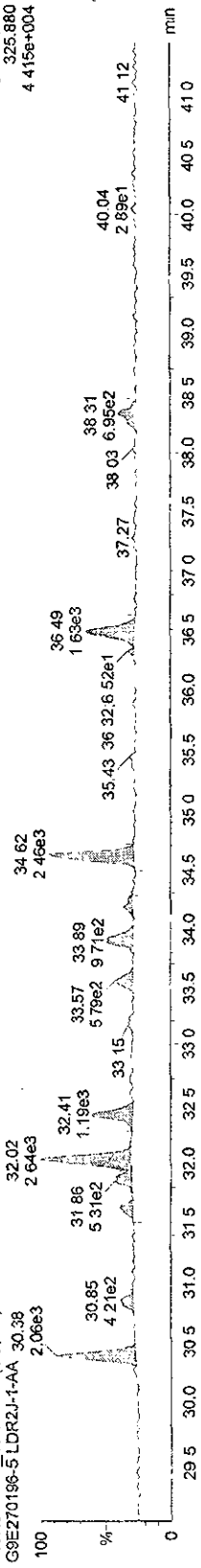
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_13, Date: 11-Jun-2009, Time: 04:59:10, ID: LDR2J-1-AA, Description: G9E270196-5

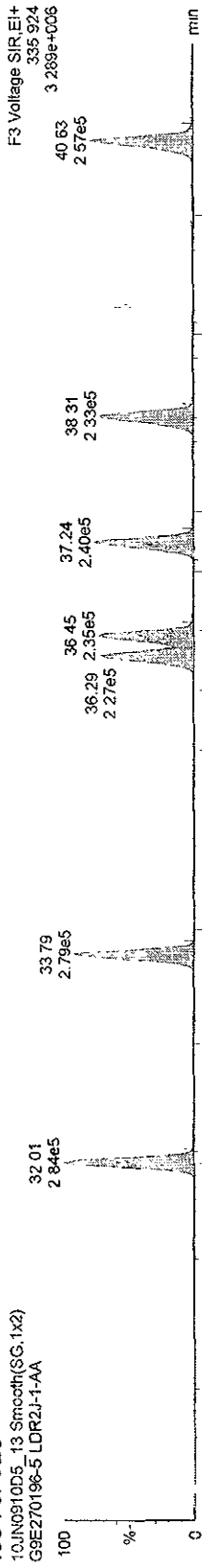
PePCBs



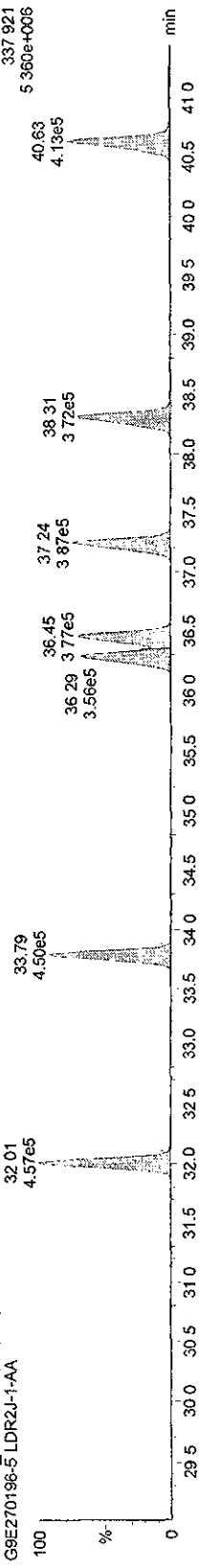
13C-PePCBs



13C-PePCBs



13C-PePCBs



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

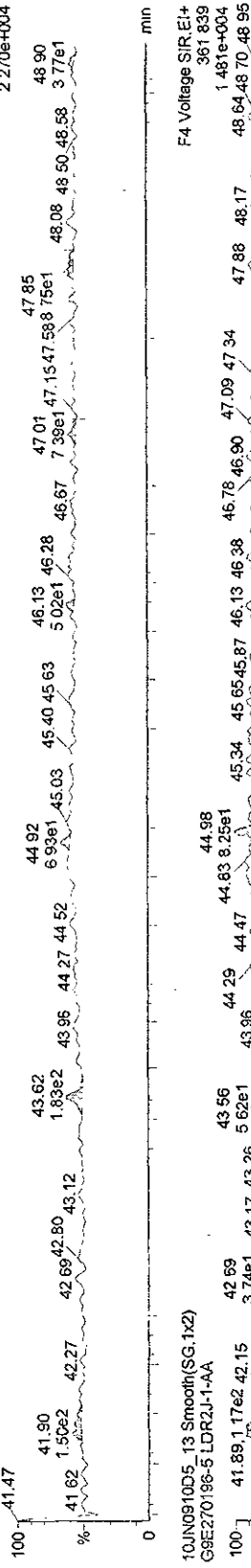
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_13, Date: 11-Jun-2009, Time: 04:59:10, ID: LDR2J-1-AA, Description: G9E270196-5

HxPCBs-

10JUN0910D5\_13 Smooth(SG,1x2)

G9E270196-5 LDR2J-1-AA



10JUN0910D5\_13 Smooth(SG,1x2)

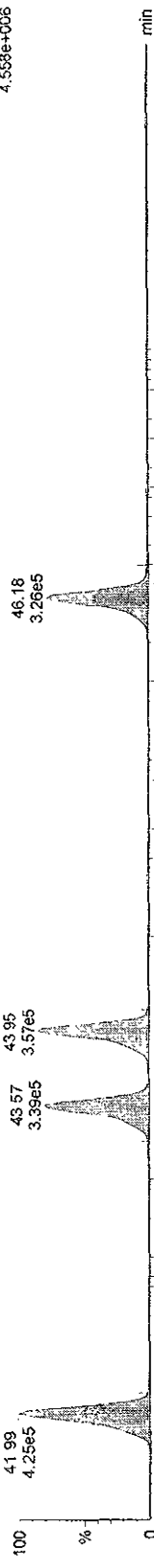
G9E270196-5 LDR2J-1-AA



13C-HxPCBs

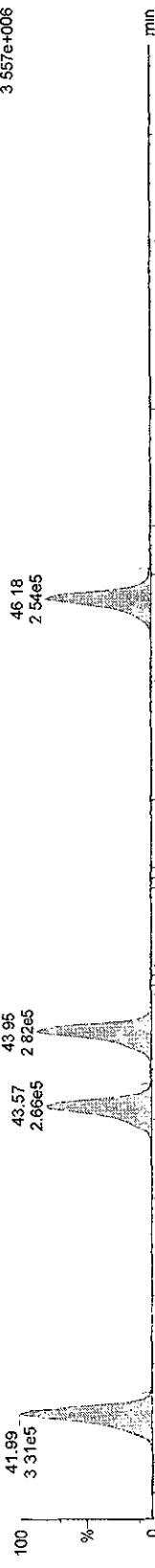
10JUN0910D5\_13 Smooth(SG,1x2)

G9E270196-5 LDR2J-1-AA



10JUN0910D5\_13 Smooth(SG,1x2)

G9E270196-5 LDR2J-1-AA



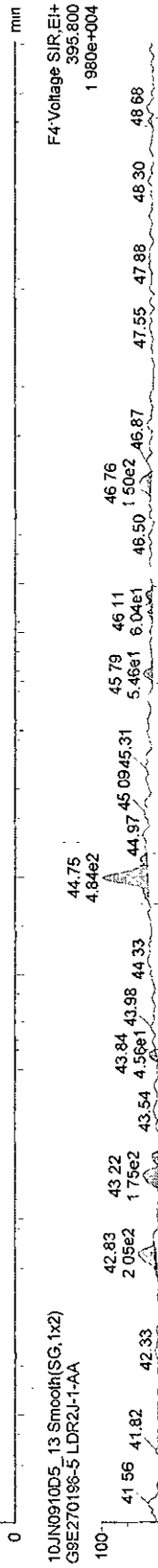
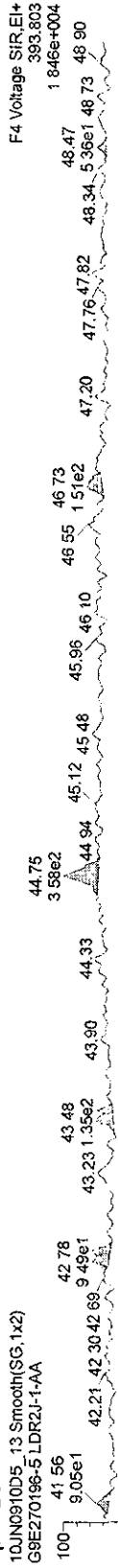
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

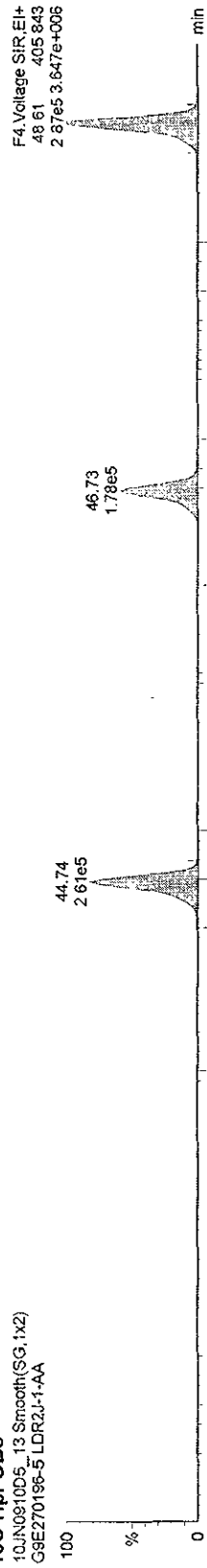
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_13, Date: 11-Jun-2009, Time: 04:59:10, ID: LDR2J-1-AA, Description: G9E270196-5

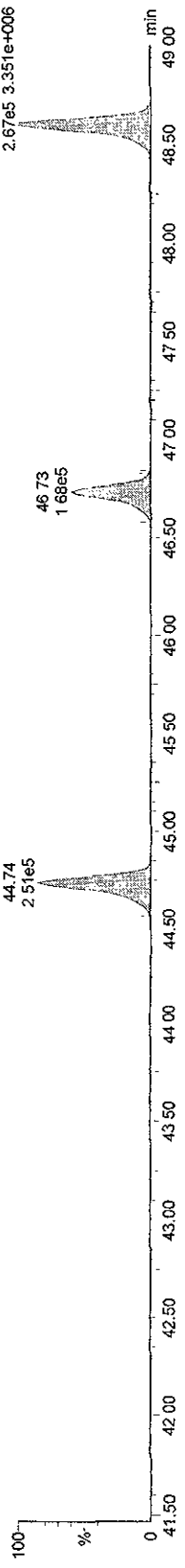
HpPCBs



13C-HpPCBs



13C-HpPCBs



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JN0910D5\_13, Date: 11-Jun-2009, Time: 04:59:10, ID: LDR2J-1-AA, Description: G9E270196-5

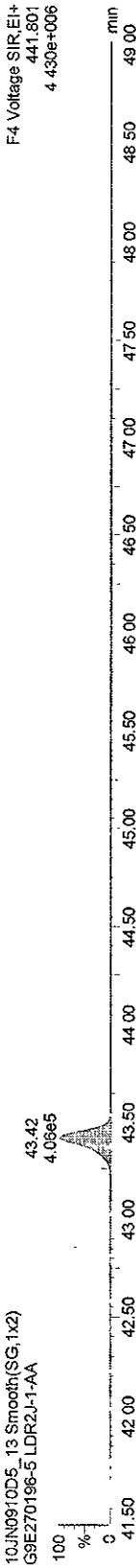
13C-OcCB-202

10JN0910D5\_13 Smooth(SG,1x2)  
G9E270196-5 LDR2J-1-AA



F4: Voltage SIR\_EI+  
439.804  
3.862e+006

10JN0910D5\_13 Smooth(SG,1x2)  
G9E270196-5 LDR2J-1-AA



F4: Voltage SIR\_EI+  
441.801  
4.430e+006

Function 3 PFK

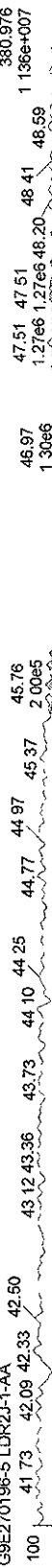
10JN0910D5\_13 Smooth(SG,1x2)  
G9E270196-5 LDR2J-1-AA



F3: Voltage SIR\_EI+  
380.976  
40.88 1.386e+007

Function 4 PFK

10JN0910D5\_13 Smooth(SG,1x2)  
G9E270196-5 LDR2J-1-AA



F4: Voltage SIR\_EI+  
380.976  
48.59 1.136e+007



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668M (Spot)

Associated ICA IC 405232005, IC0576, 6105

Column ID DB-5

Instrument ID 1105

STD ID ST0610

STD Solution 09DINX110

Analyzed by AM

Date Analyzed 6/10/09

Std. Pkg. By KAS

Date Std. Pkg. Assembled 6/10/09

Std. Pkg. Reviewed By ESS

Date Std. Pkg. Reviewed 6/16/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley $\leq$ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\* Method 1668A(PCBs):  $\pm 30\%$  from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and  $\pm 50\%$  for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the  $\pm 30\%$  limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have  $\pm 40\%$  limit.

Method 1614 (DBDs/DBFs):  $\pm 30\%$  from curve RRFs for native analytes and  $\pm 50\%$  from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is  $\pm 30\%$ ).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

Printed: Friday, June 12, 2009 19:06:47 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 22 May 2009 10:05:00

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0528200910D51668MSL.cdb 29 May 2009 14:02:36

Name: 10JN0910D5\_1, Date: 10-Jun-2009, Time: 17:35:29, ID: ST0610, Description: CS3 09DXN016

#	Name	Response	RT	RRF	M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D
1	13C-PeCB-101	1068160	32.03	18021	...	10681	...	59.27	-40.7	59.3	0.626	NO
2												
3	13C-TeCB-81	1092781	33.92	1.03599	1.02305	98.75		-1.2	98.8	0.774	NO	
4	TeCB-81	792721	33.94	1.44583	1.45083	50.17		0.3	100.3	0.757	NO	
5	13C-TeCB-77	1123128	34.61	1.08641	1.05146	96.78		-3.2	96.8	0.784	NO	
6	TeCB-77	735654	34.64	1.29292	1.31001	50.66		1.3	101.3	0.753	NO	
7												
8	13C-PeCB-123	1015071	36.29	0.95097	0.95030	99.93		-0.1	99.9	0.625	NO	
9	PeCB-123	765278	36.30	1.51322	1.50783	49.82		-0.4	99.6	0.607	NO	
10	13C-PeCB-118	1029246	36.45	0.97393	0.96357	98.94		-1.1	98.9	0.632	NO	
11	PeCB-118/106	798121	36.49	1.52848	1.55089	50.73		1.5	101.5	0.599	NO	
12	13C-PeCB-114	1062841	37.24	1.01913	0.99502	97.63		-2.4	97.6	0.628	NO	
13	PeCB-114	837638	37.26	1.58175	1.57623	49.83		-0.3	99.7	0.612	NO	
14	13C-PeCB-105	1005444	38.30	0.96994	0.94129	97.05		-3.0	97.0	0.625	NO	
15	PeCB-105/127	717426	38.33	1.41405	1.42708	50.46		0.9	100.9	0.593	NO	
16	13C-PeCB-126	1051389	40.63	1.05005	0.98430	93.74		-6.3	93.7	0.613	NO	
17	PeCB-126	624006	40.65	1.18292	1.18701	50.17		0.3	100.3	0.616	NO	
18												
19	13C-OcCB-202	1265462	43.42	22301	...	12654	...	56.74	-43.3	56.7	0.896	NO
20												
21	13C-HxCB-167	1196356	41.98	0.92060	0.94539	102.69		2.7	102.7	1.282	NO	
22	HxCB-167	861963	42.01	1.34432	1.44098	53.60		7.2	107.2	1.255	NO	
23	13C-HxCB-156	959171	43.56	0.74676	0.75796	101.50		1.5	101.5	1.286	NO	
24	HxCB-156	800311	43.59	1.67701	1.66876	49.75		-0.6	99.5	1.256	NO	
25	13C-HxCB-157	1019583	43.95	0.78876	0.80570	102.15		2.1	102.1	1.296	NO	
26	HxCB-157	837799	43.96	1.65897	1.64342	49.53		-0.9	99.1	1.237	NO	
27	13C-HxCB-169	1060174	46.18	0.84240	0.83778	99.45		-0.5	99.5	1.307	NO	
28	HxCB-169	610965	46.19	1.15392	1.15257	49.94		-0.1	99.9	1.247	NO	
29												
30	13C-HpCB-180	817855	44.72	0.63199	0.64629	102.26		2.3	102.3	1.031	NO	
31	HpCB-180	515109	44.75	1.27271	1.25966	49.49		-1.0	99.0	1.036	NO	
32	13C-HpCB-170	667264	46.73	0.51406	0.52729	102.57		2.6	102.6	1.049	NO	
33	HpCB-170	530512	46.75	1.58019	1.59011	50.31		0.6	100.6	1.028	NO	
34	13C-HpCB-189	848912	48.59	0.70062	0.67083	95.75		-4.3	95.7	1.031	NO	
35	HpCB-189	530169	48.61	1.22015	1.24906	51.18		2.4	102.4	1.042	NO	
36												
37	13C-PeCB-111	1370896	33.79	1.28382	1.32736	103.39		3.4	103.4	0.615	NO	
38												
39	Function 3 PFK											
40	Function 4 PFK											

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampled\10JN0910D5.SPL  
Last Modified: Wednesday, June 10, 2009 22:47:43 Pacific Daylight Time  
Printed: Wednesday, June 10, 2009 22:47:50 Pacific Daylight Time

Page 1 of 3

Page Position (1, 1)

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1 10JN0910D5_1	CS3 09DXN016	ST0610	---	---	1.000000	---	---
2 10JN0910D5_2	Solvent Blank C-12	SB0610	---	---	1.000000	---	---
3 10JN0910D5_3	G9F030170-1MB	LEEP3-1-AAB	1668/AIR	56	0.333300	Samp	10
4 10JN0910D5_4	G9F030170-1LCS	LEEP3-1-ACC	1668/AIR	---	0.333300	Samp	10
5 10JN0910D5_5	G9F030170-1	LD734-1-AD	1668/AIR	---	0.333300	Samp	10
6 10JN0910D5_6	G9F030172-1	LD74A-1-AD	1668/AIR	---	0.333300	Samp	10
7 10JN0910D5_7	G9E270196-1LCS	LD4R6-1-ACC	1668/AIR	58	0.500000	Samp	20
8 10JN0910D5_8	G9E270196-1MB	LD4R6-1-AAB	1668/AIR	---	0.500000	Samp	20
9 10JN0910D5_9	G9E270196-1	LDR1T-1-AA	1668/AIR	---	0.500000	Samp	20
10 10JN0910D5_10	G9E270196-2	LDR12-1-AA	1668/AIR	---	0.500000	Samp	20
11 10JN0910D5_11	G9E270196-3	LDR2A-1-AA	1668/AIR	---	0.500000	Samp	20
12 10JN0910D5_12	G9E270196-4	LDR2F-1-AA	1668/AIR	---	0.500000	Samp	20
13 10JN0910D5_13	G9E270196-5	LDR2J-1-AA	1668/AIR	---	0.500000	Samp	20
14 10JN0910D5_14	Solvent Blank C-12	SB0610A	---	---	1.000000	---	---
15 10JN0910D5_15	CS3 09DXN016	ST0610A	---	---	1.000000	---	---
16 10JN0910D5_16	Solvent Blank C-12	SB0610B	---	---	1.000000	---	---
17 10JN0910D5_17	G9E120259-17LCS (4X)	LDG7K-1-ACC	1668/SOLID	54	5.000000	g	20
18 10JN0910D5_18	G9E120259-11 (10X)	LCVPA-1-AD	1668/SOLID	52	5.220000	g	20

Logfile checked  
6-11-09  
SMA

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampled\10JN0910D5.SPL  
Last Modified: Wednesday, June 10, 2009 22:47:43 Pacific Daylight Time  
Printed: Wednesday, June 10, 2009 22:47:50 Pacific Daylight Time

Page 2 of 3

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:2	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:3	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	1333	1000
Tray1:4	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	1333	1000
Tray1:5	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	1333	1000
Tray1:6	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	1333	1000
Tray1:7	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:8	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:10	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:11	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:15	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:16	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:17	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	AM 06-10-09	1668M10D5	1668M10D5	---	---	2000	2000

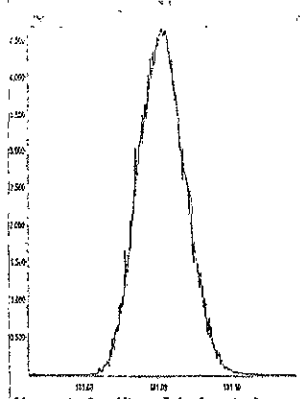
Sample List: C:\MassLynx\Default.pro\Sampledb\10JN0910D5 SPL  
Last Modified: Wednesday, June 10, 2009 22:47:43 Pacific Daylight Time  
Printed: Wednesday, June 10, 2009 22:47:50 Pacific Daylight Time

Conc E	Conc F	Conc G	Conc H	Task
100	---	---	---	---
---	---	---	---	---
1333	---	---	---	---
1333	---	---	---	---
1333	---	---	---	---
1333	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
---	---	---	---	---
100	---	---	---	---
---	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---

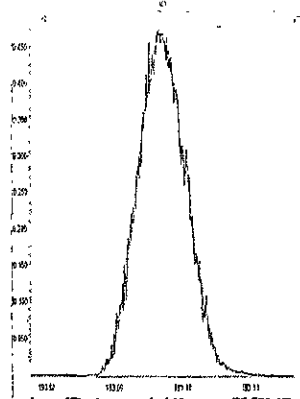
File: Experiment: 1668M10D5.exp Reference: pkf.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, June 10, 2009 17:28.21 Pacific Daylight Time

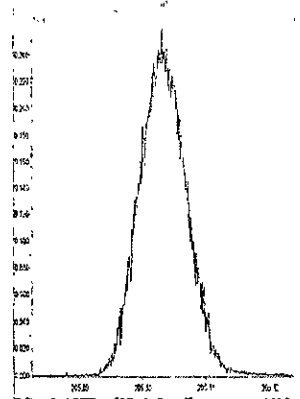
M 180.9888 R 12435



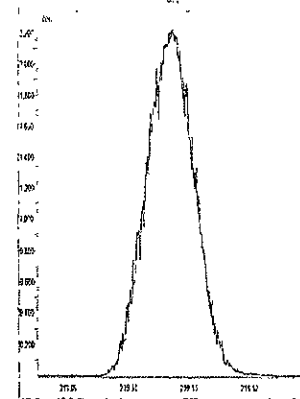
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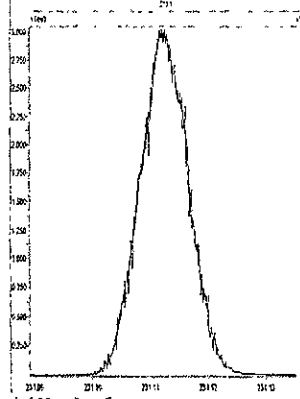
M 204.9888 R 12256



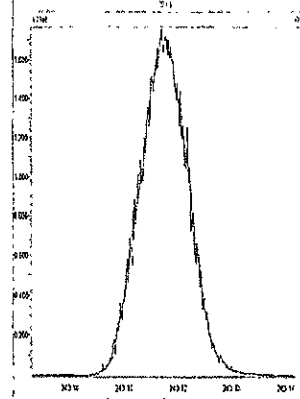
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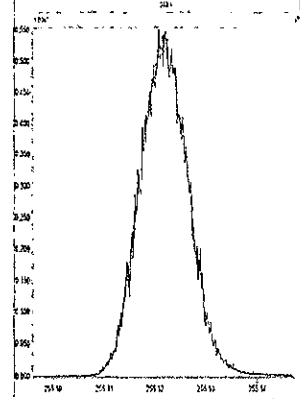
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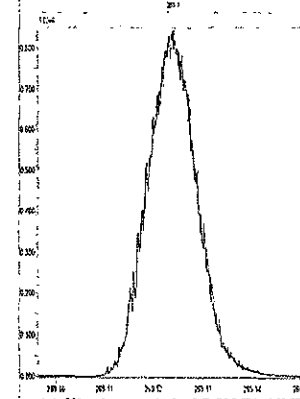
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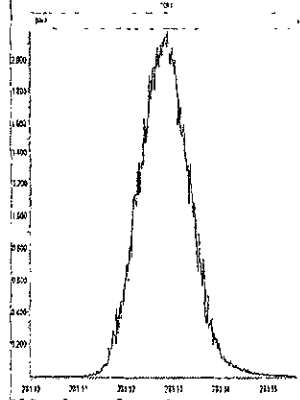
M 254.9856 R 11467



M 268.9824 R 11519



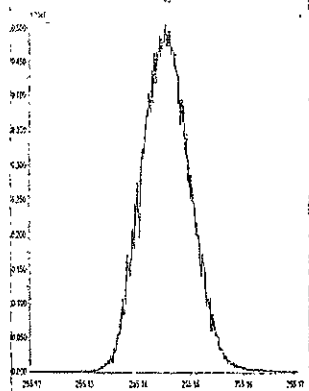
M 280.9824 R 11418



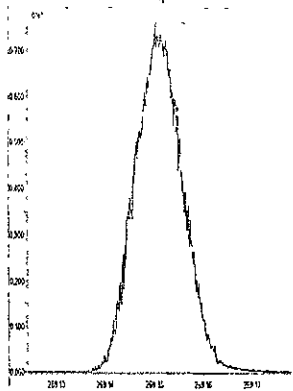
File: Experiment 1668M10D5.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, June 10, 2009 17:30:02 Pacific Daylight Time

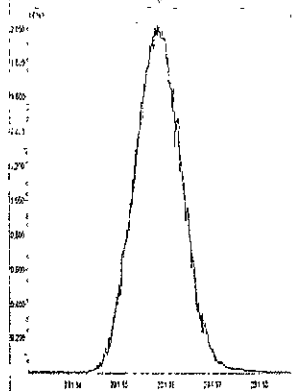
M 254.9856 R 12255



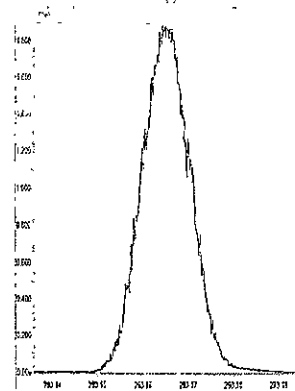
M 268.9824 R 12254



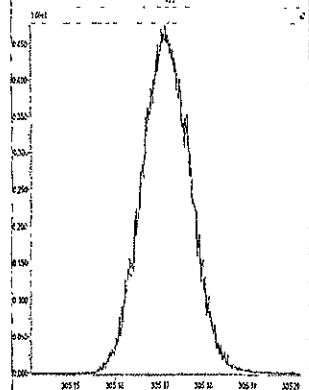
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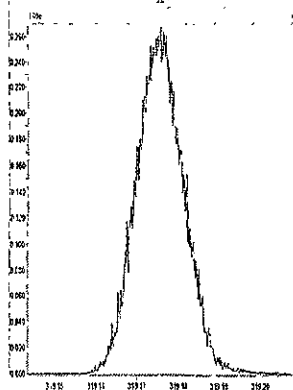
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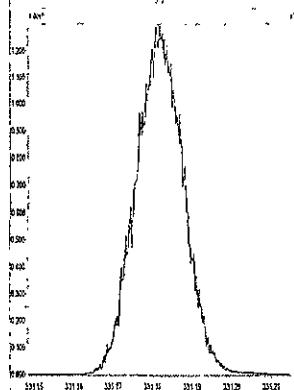
M 304.9824 R 11961



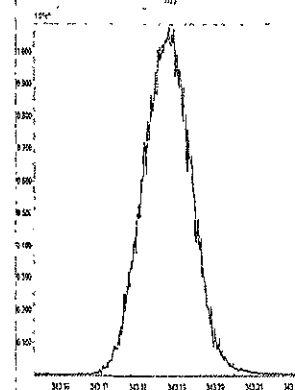
M 318.9792 R 12134



M 330.9792 R 11958



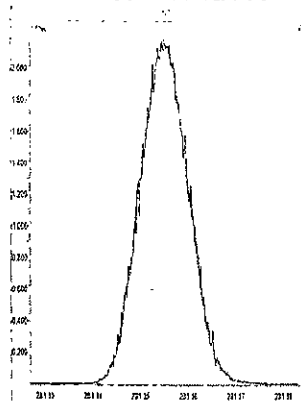
M 342.9792 R 11900



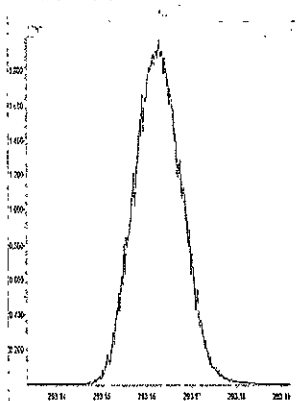
File: Experiment. 1668M10D5 exp Reference: ptk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, June 10, 2009 17:31 13 Pacific Daylight Time

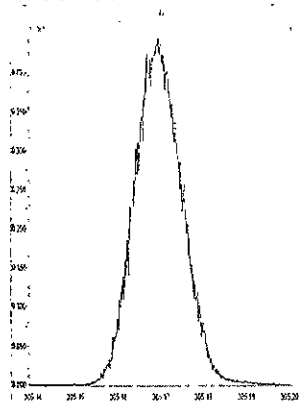
M 280.9824 R 12559



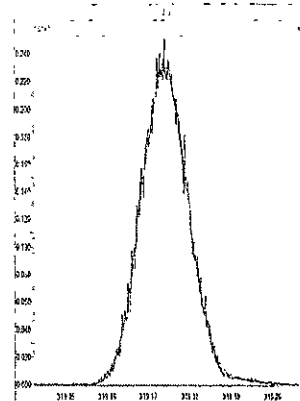
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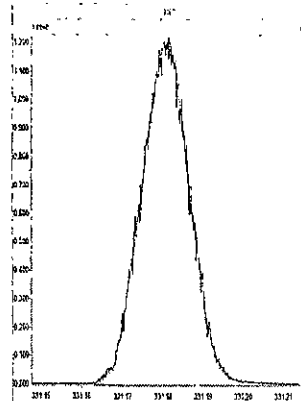
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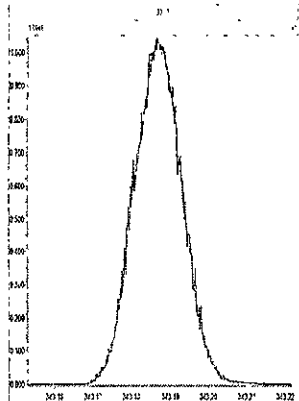
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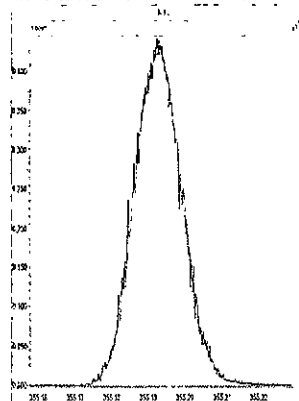
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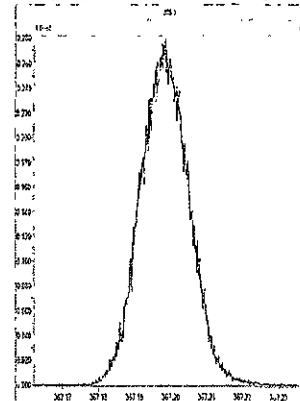
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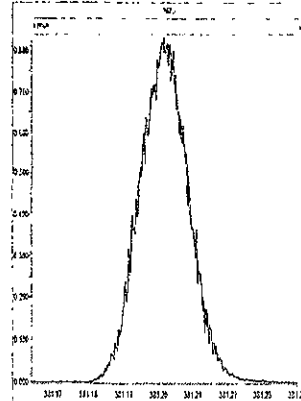
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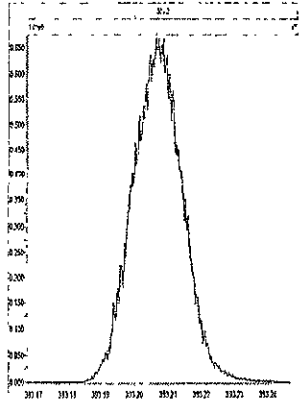
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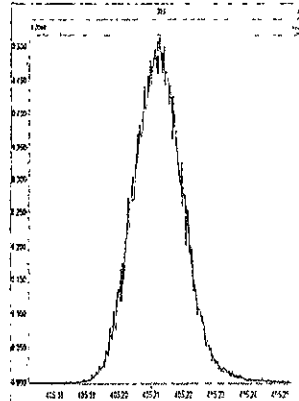
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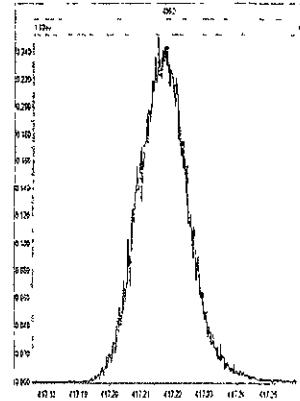
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M 404.9760 R 11523



M 416.9760 R 11262

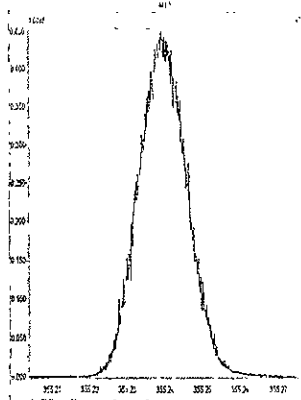




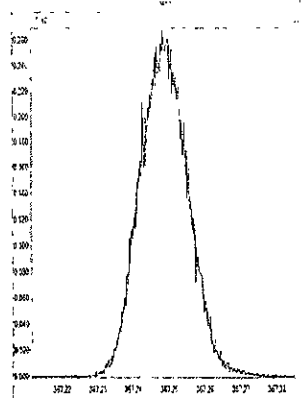
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Printed: Wednesday, June 10, 2009 17:33:05 Pacific Daylight Time

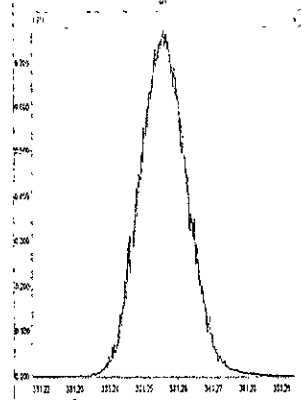
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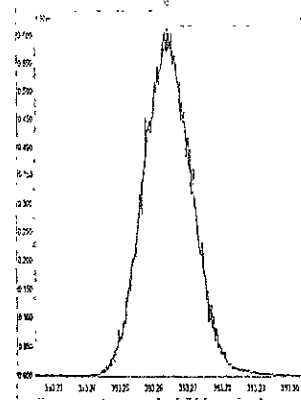
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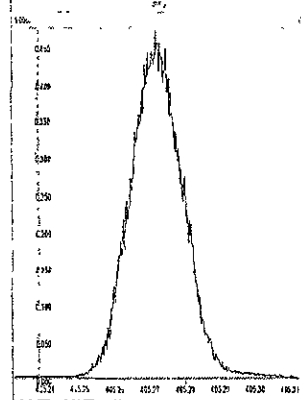
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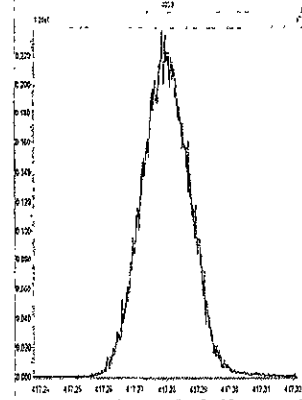
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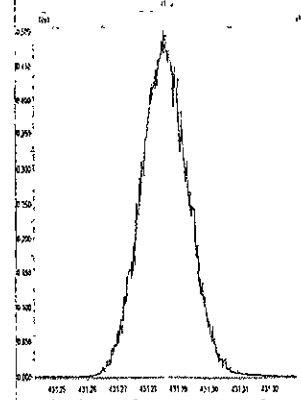
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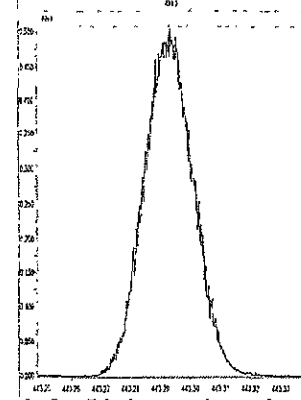
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M 430.9728 R 12252



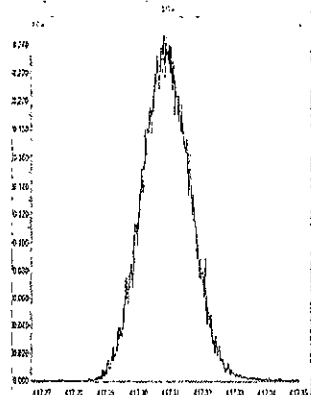
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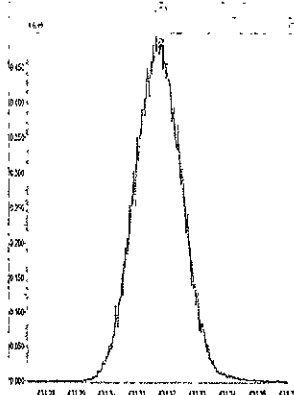
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Printed: Wednesday, June 10, 2009 17:34:16 Pacific Daylight Time

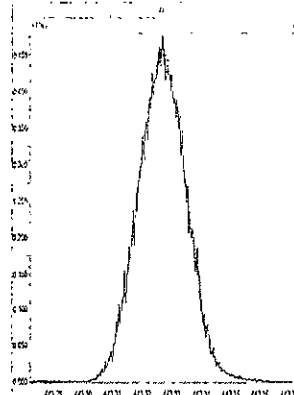
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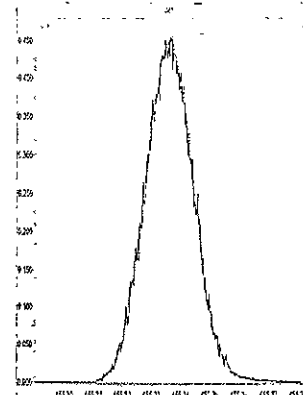
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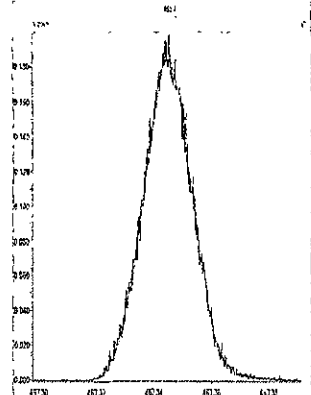
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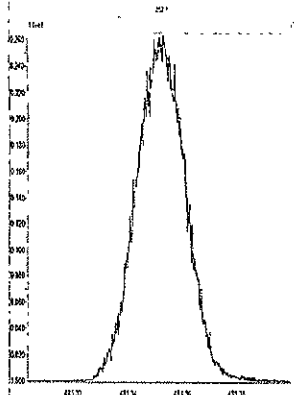
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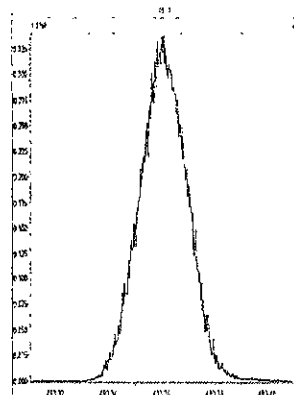
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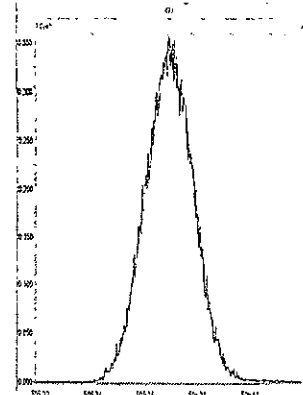
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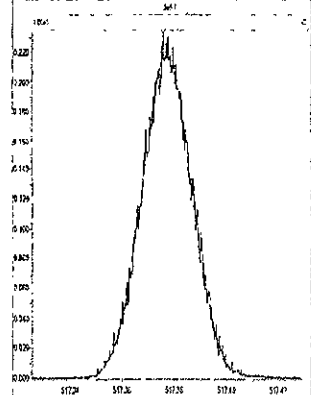
M 492.9696 R 11849



M 504.9696 R 12019



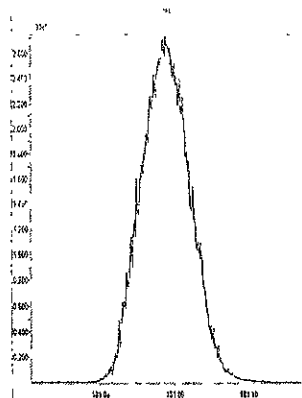
M 516.9697 R 11630



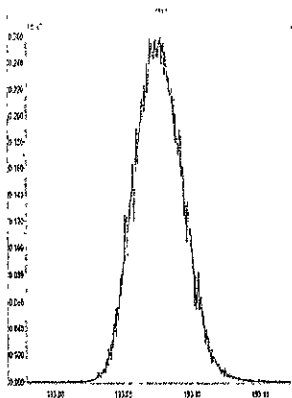
File: Experiment. 1668M10D5.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, June 11, 2009 10:55:52 Pacific Daylight Time

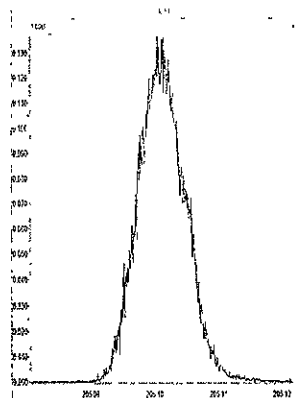
M 180.9888 R 12138



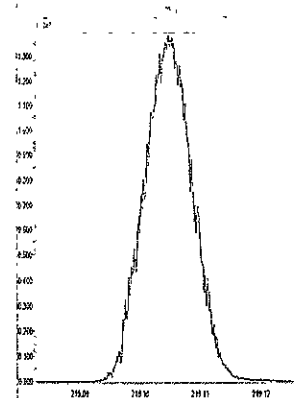
M 192.9888 R 11848



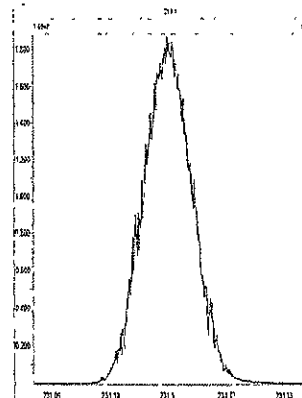
M 204.9888 R 12501



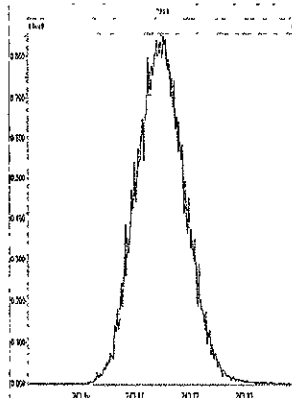
M 218.9856 R 12318



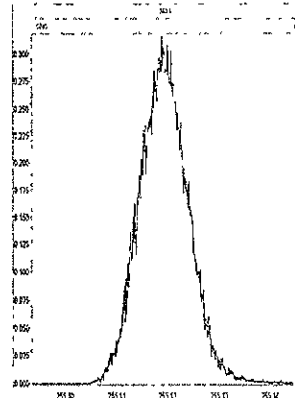
M 230.9856 R 12020



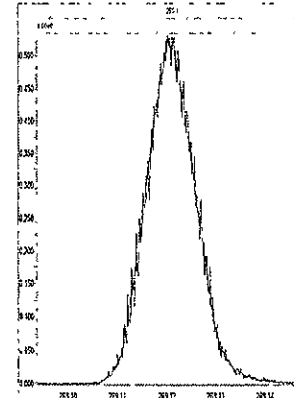
M 242.9856 R 11903



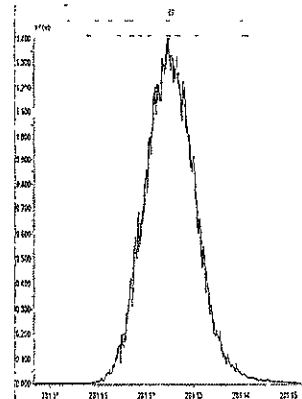
M 254.9856 R 11627



M 268.9824 R 11413



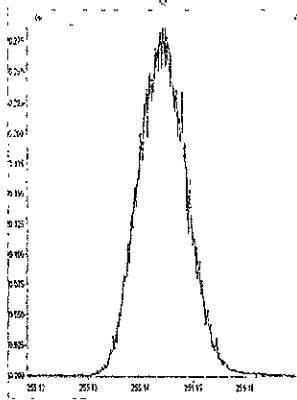
M 280.9824 R 11213



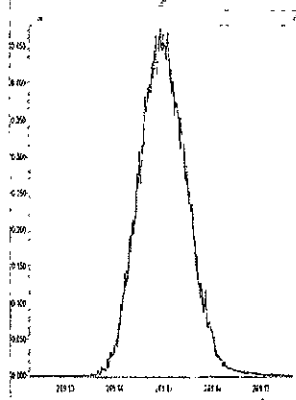
File: Experiment: 1668M10D5.exp Reference: pik.ref Function: 2 @ 200 (ppm)

Printed: Thursday, June 11, 2009 10:56:40 Pacific Daylight Time

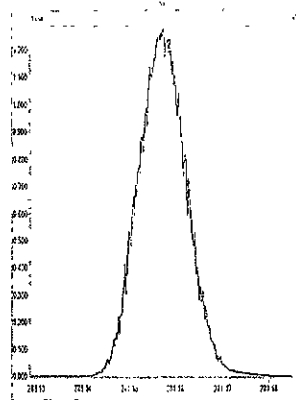
M 254.9856 R 12255



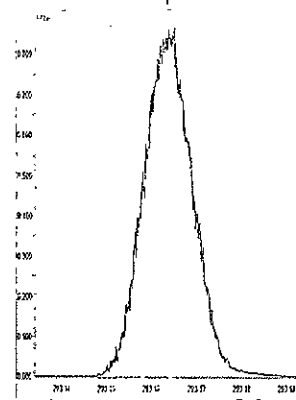
M 268.9824 R 11736



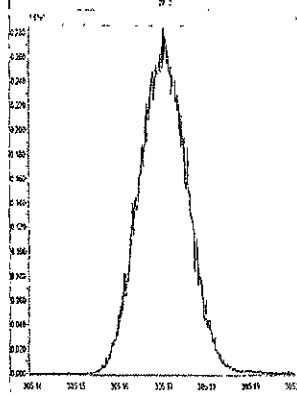
M 280.9824 R 12252



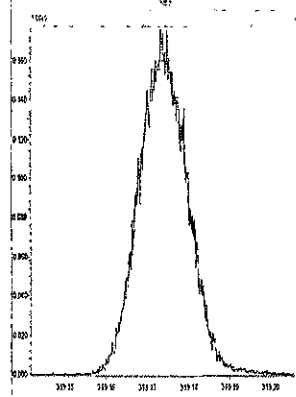
M 292.9824 R 12433



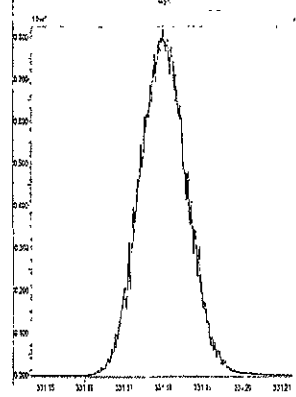
M 304.9824 R 12254



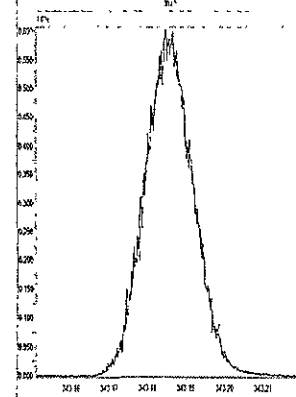
M 318.9792 R 12193



M 330.9792 R 11850



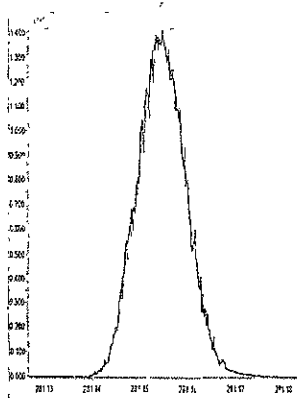
M 342.9792 R 11792



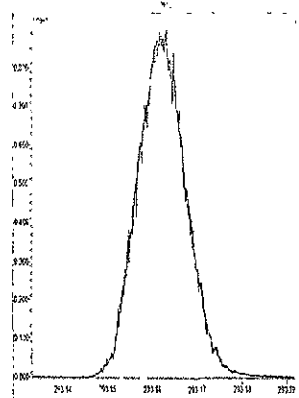
File: Experiment: 1668M10D5.exp Reference: pk ref Function: 3 @ 200 (ppm)

Printed: Thursday, June 11, 2009 10:57:43 Pacific Daylight Time

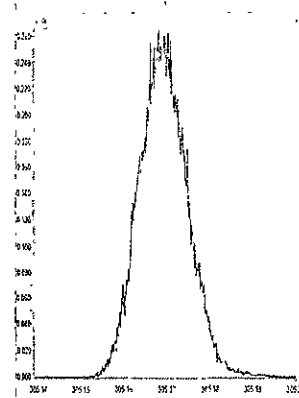
M 280.9824 R 12192



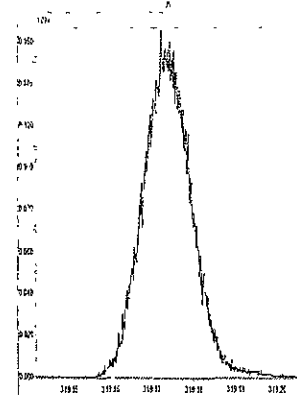
M 292.9824 R 11906



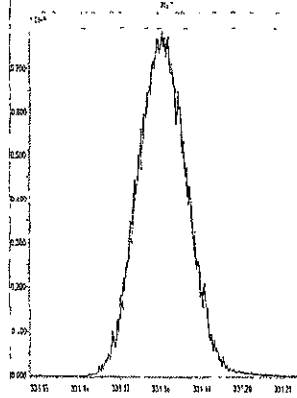
M 304.9824 R 12375



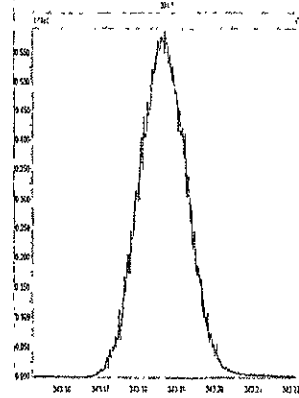
M 318.9792 R 12561



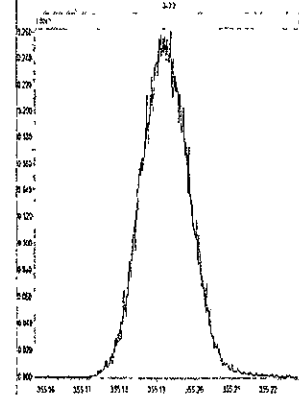
M 330.9792 R 12378



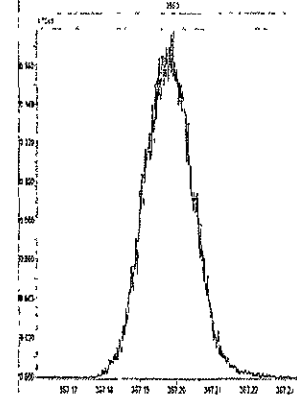
M 342.9792 R 12019



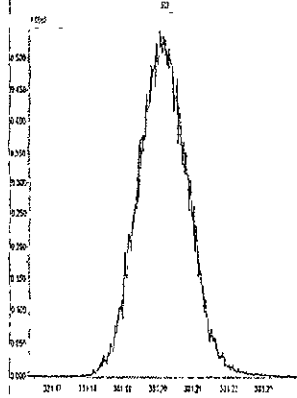
M 354.9792 R 12259



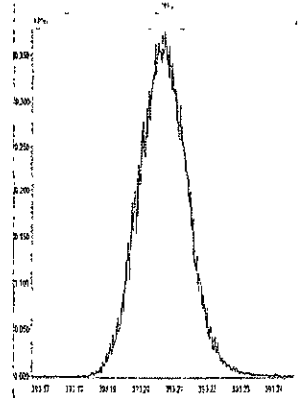
M 366.9792 R 11789



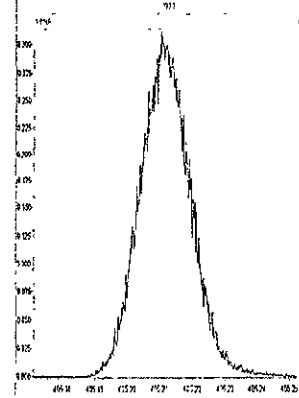
M 380.9760 R 12137



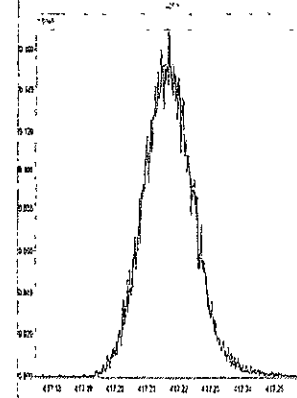
M 392.9760 R 11627



M 404.9760 R 11064



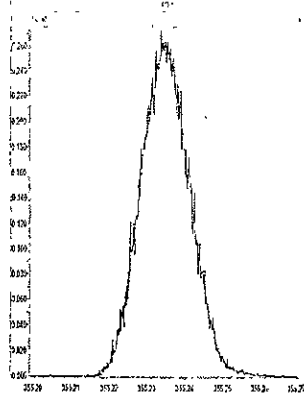
M 416.9760 R 11364



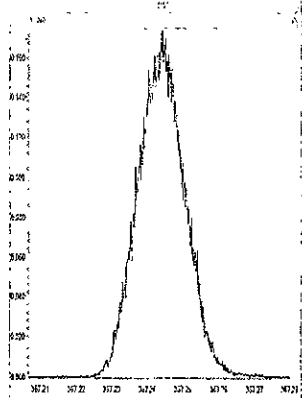
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed Thursday, June 11, 2009 10:58:18 Pacific Daylight Time

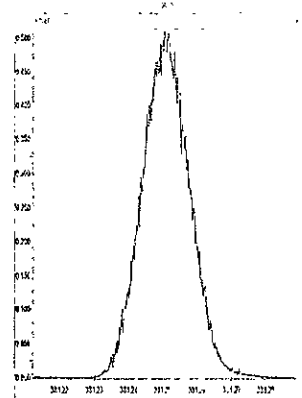
M 354.9792 R 12315



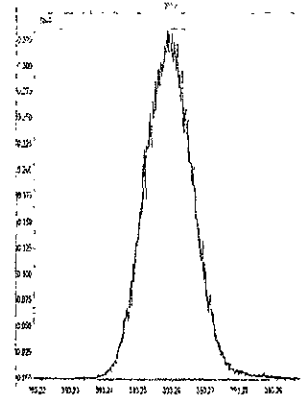
M 366.9792 R 12193



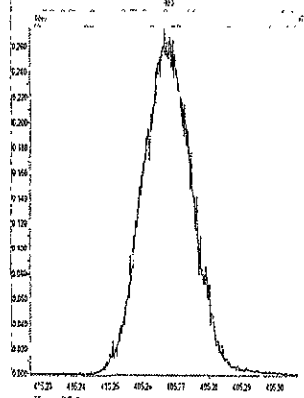
M 380.9760 R 12252



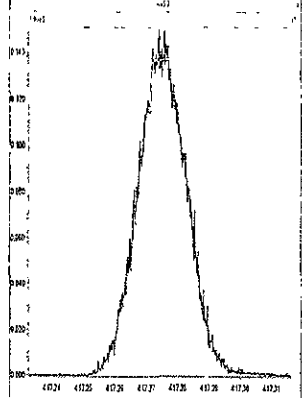
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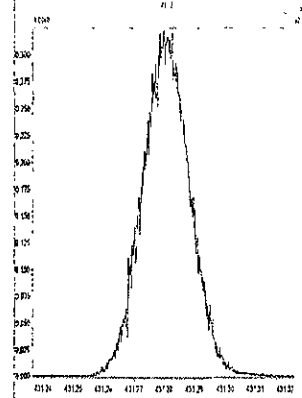
M 404.9760 R 11682



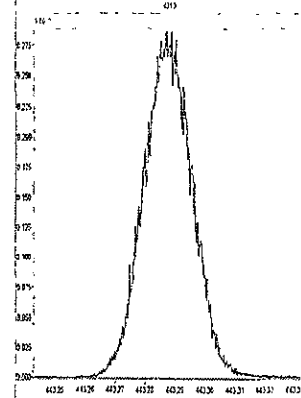
M 416.9760 R 12134



M 430.9728 R 11469



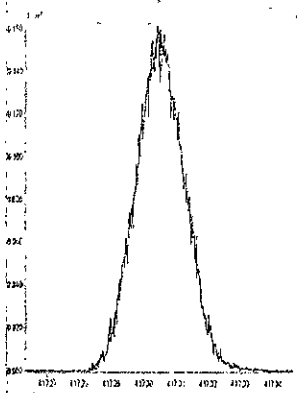
M 442.9728 R 11905



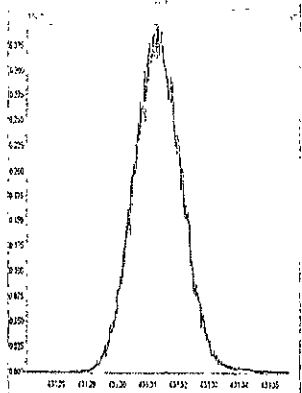
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Printed: Thursday, June 11, 2009 10:58.51 Pacific Daylight Time

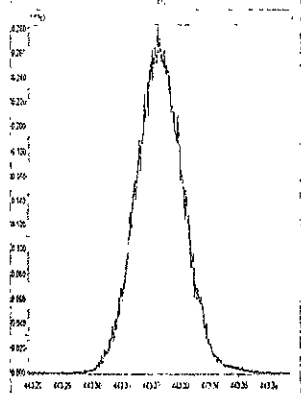
M 416.9760 R 11904



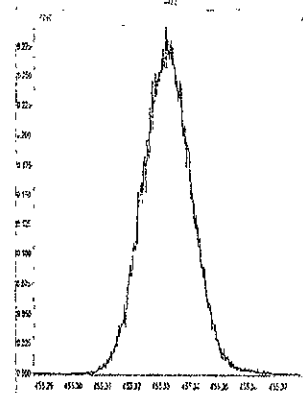
M 430.9728 R 11680



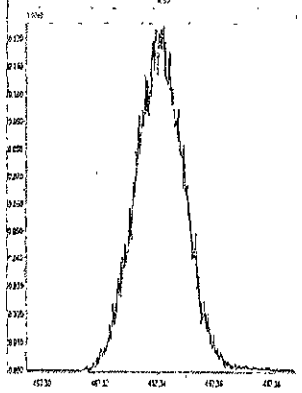
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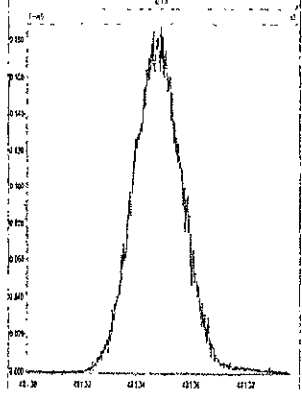
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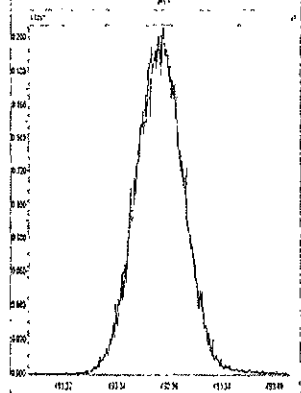
M 466.9728 R 11964



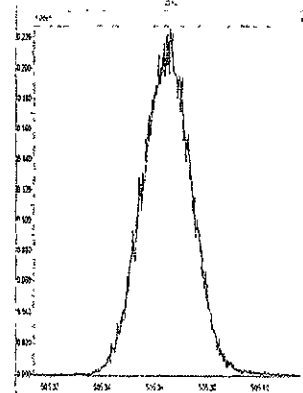
M 480.9696 R 12138



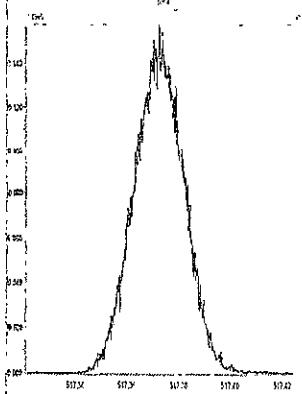
M 492.9696 R 11793



M 504.9696 R 11792



M 516.9697 R 12021



Dataset: C:\MassLynx\Default.pro\10JN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

Printed: Friday, June 12, 2009 19:08:07 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 22 May 2009 10:05:00

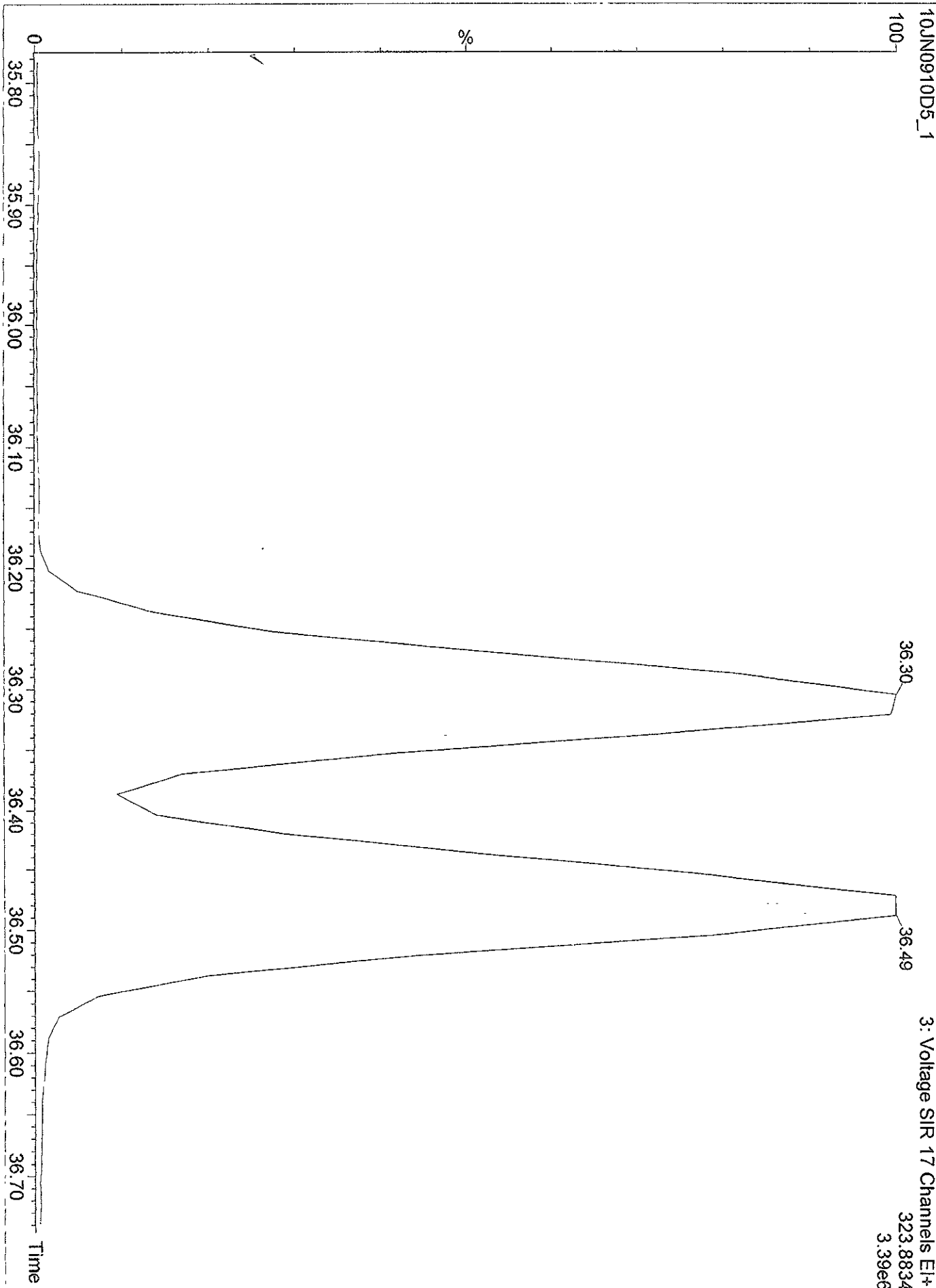
Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0528200910D51668MSL.cdb 29 May 2009 14:02:36

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	18021.87851	2050.71335	11.37902
2				
3	13C-TeCB-81	1.03599	0.02501	2.41419
4	TeCB-81	1.44583	0.00437	0.30224
5	13C-TeCB-77	1.08641	0.02579	2.37393
6	TeCB-77	1.29292	0.02056	1.58985
7				
8	13C-PeCB-123	0.95097	0.02827	2.97237
9	PeCB-123	1.51322	0.02212	1.46152
10	13C-PeCB-118	0.97393	0.03695	3.79401
11	PeCB-118/106	1.52848	0.02627	1.71893
12	13C-PeCB-114	1.01913	0.03962	3.88780
13	PeCB-114	1.58175	0.02479	1.56721
14	13C PeCB-105	0.96994	0.03275	3.37666
15	PeCB-105/127	1.41405	0.02033	1.43796
16	13C-PeCB-126	1.05005	0.04594	4.37465
17	PeCB-126	1.18292	0.02614	2.20937
18				
19	13C-OcCB-202	22301.52450	3167.66285	14.20380
20				
21	13C-HxCB-167	0.92060	0.01264	1.37296
22	HxCB-167	1.34432	0.06662	4.95542
23	13C-HxCB-156	0.74676	0.02195	2.93968
24	HxCB-156	1.67701	0.03279	1.95505
25	13C-HxCB-157	0.78876	0.00924	1.17170
26	HxCB-157	1.65897	0.03279	1.97646
27	13C-HxCB-169	0.84240	0.01605	1.90524
28	HxCB-169	1.15392	0.00861	0.74591
29				
30	13C-HpCB-180	0.63199	0.00526	0.83284
31	HpCB-180	1.27271	0.03767	2.96008
32	13C-HpCB-170	0.51406	0.01057	2.05650
33	HpCB-170	1.58019	0.02915	1.84501
34	13C-HpCB-189	0.70062	0.01369	1.95356
35	HpCB-189	1.22015	0.01845	1.51238
36				
37	13C-PeCB-111	1.28382	0.03552	2.76696
38				
39	Function 3 PFK			
40	Function 4 PFK			



CS3 09DXN016

10JUN0910D5\_1



3: Voltage SIR 17 Channels EI+

323.8834

3.39e6

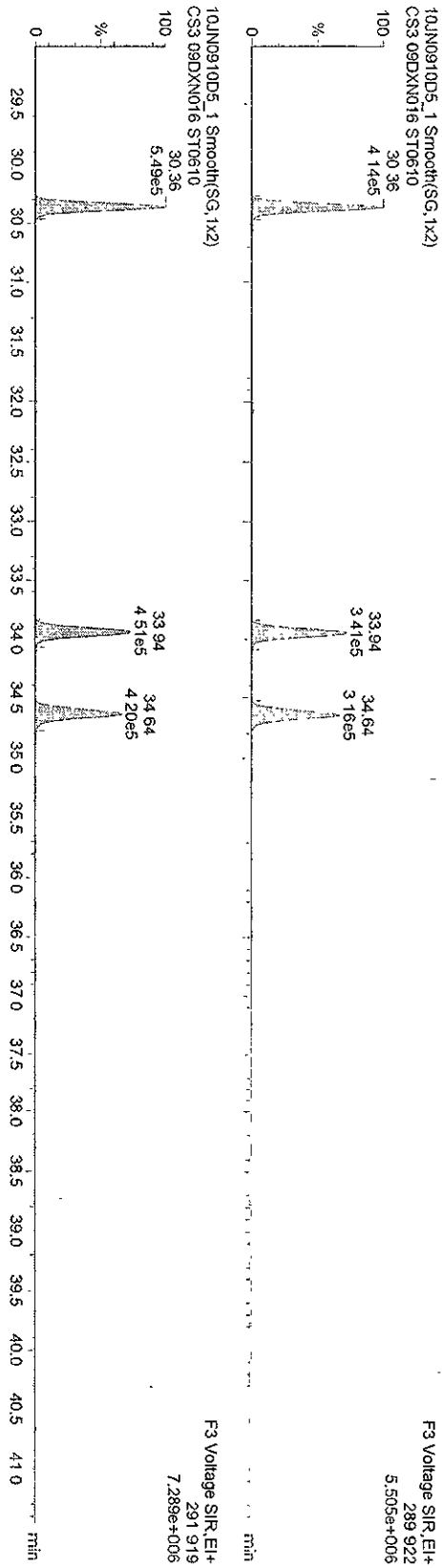
Dataset C:\MassLynx\Default.pro\10JUN09\10D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

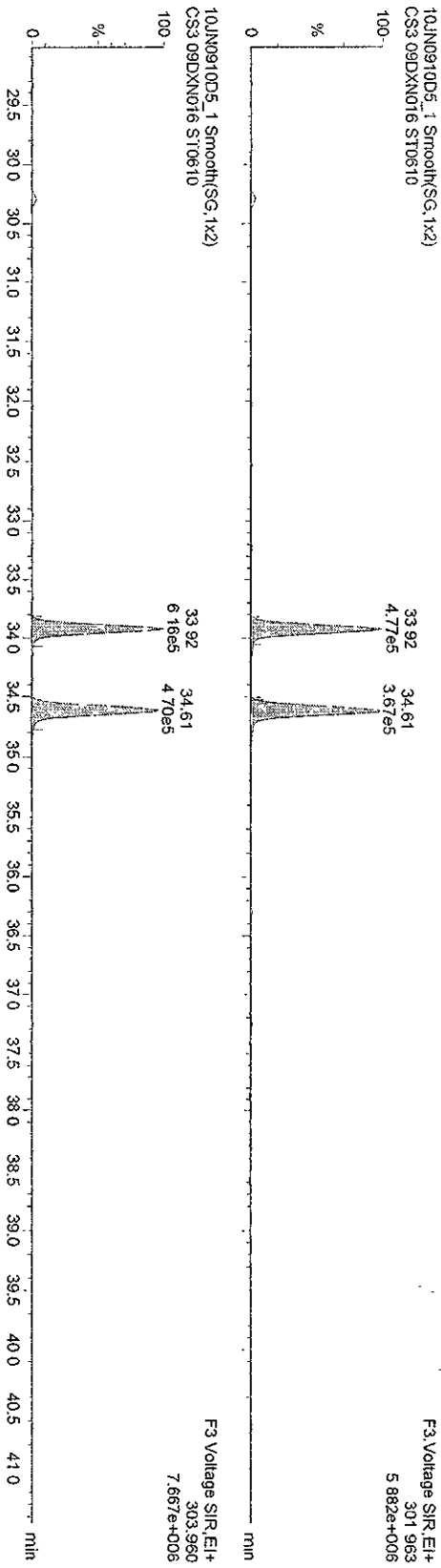
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_1, Date: 10-Jun-2009, Time: 17:35:29, ID: ST0610, Description: CS3 09DXN016

**TetraPCBs**



**13C-TetrasPCBs**



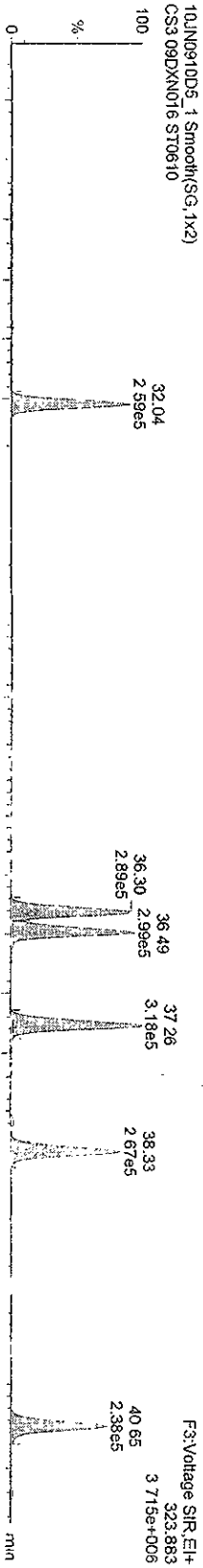
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Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

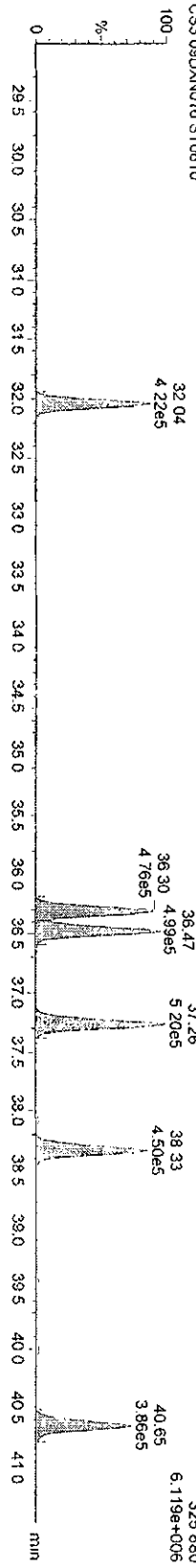
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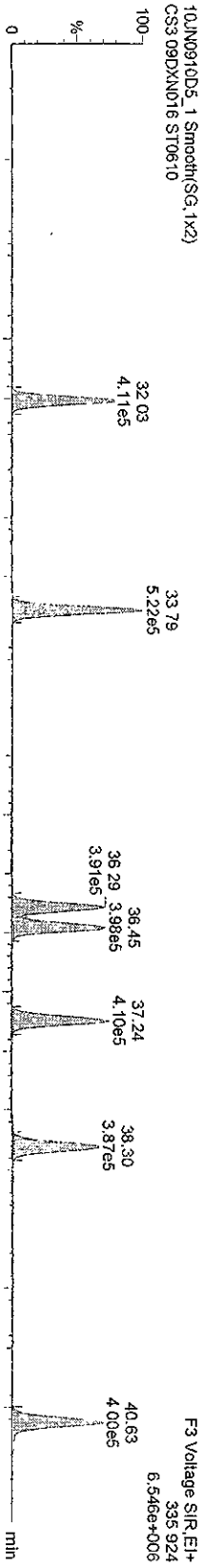
PePCBs



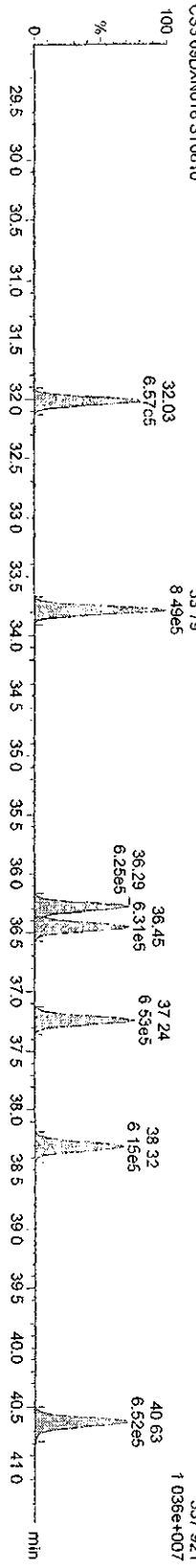
13C-PePCBs



13C-PePCBs



13C-PePCBs



Dataset: C:\MassLynx\Default\pro\10JUN0910D5\1668MSL.qtd

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

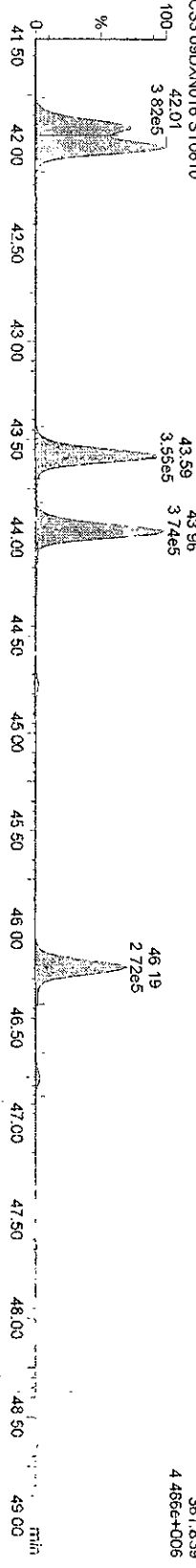
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

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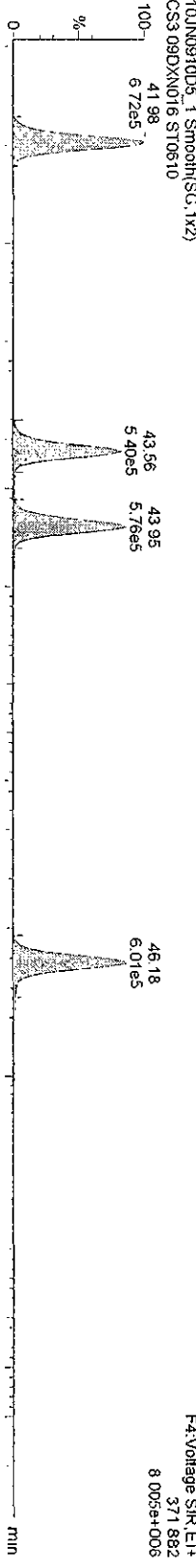
HxPCBS-



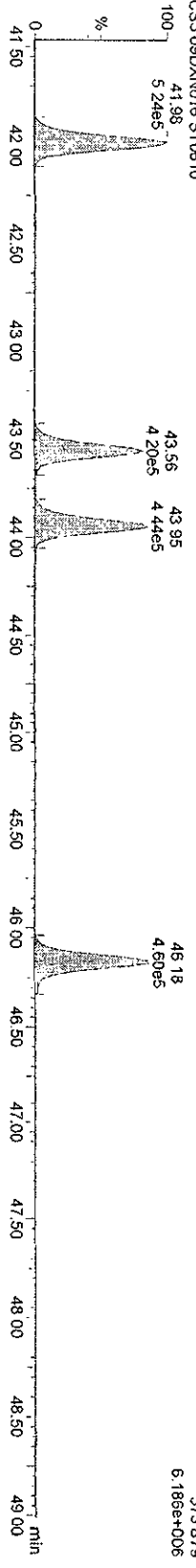
10JUN0910D5\_1 Smooth(SG, 1x2)



13C-HxPCBS



10JUN0910D5\_1 Smooth(SG, 1x2)



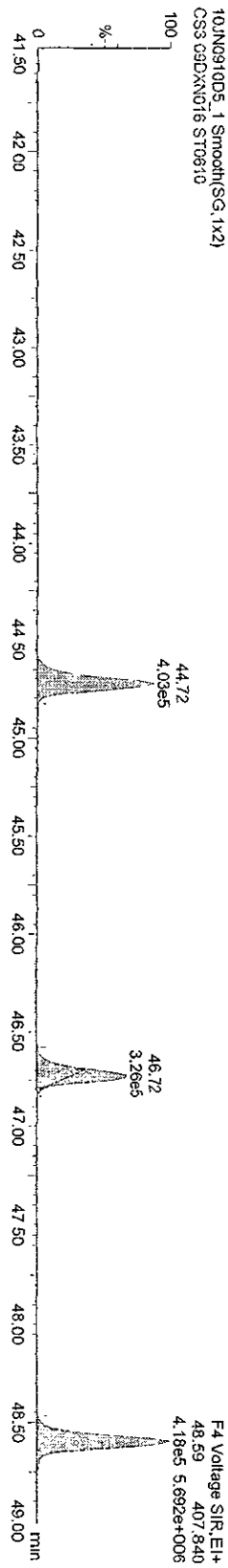
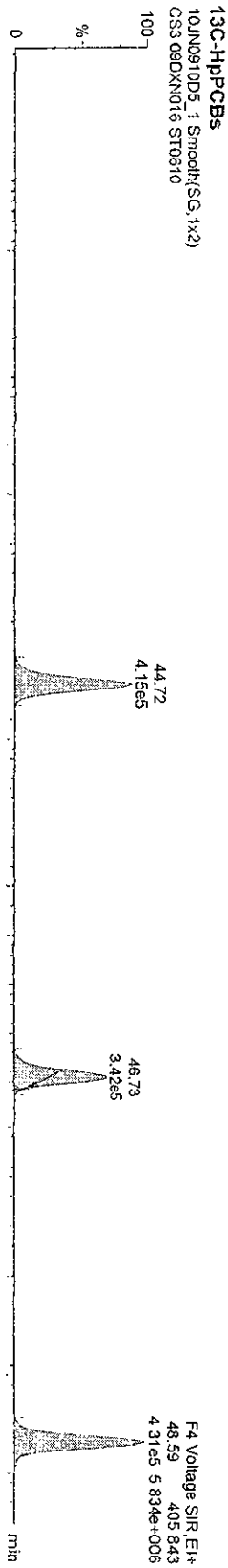
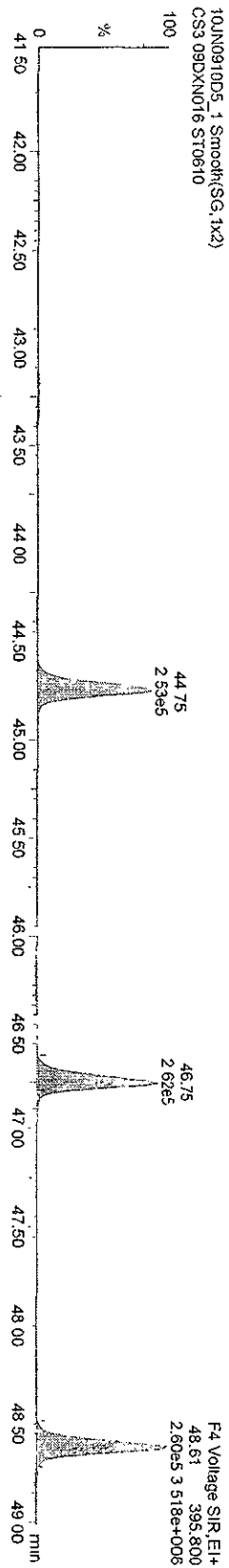
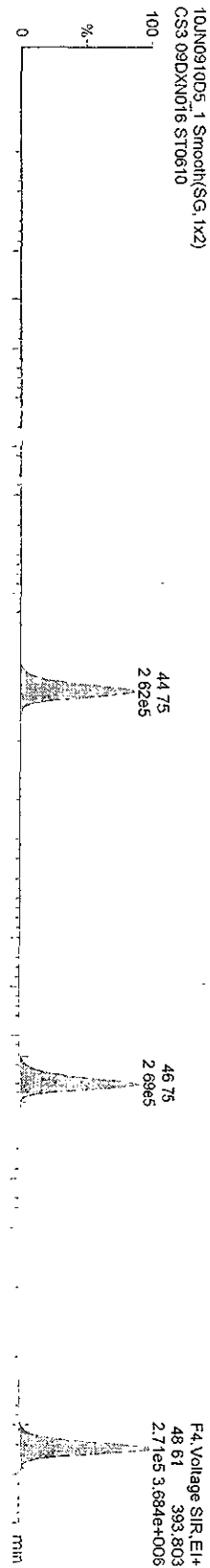
Dataset C:\MassLynx\Default\prot\10JUN0910D51668MSL.qld

Last Altered Friday, June 12, 2009 18:53:14 Pacific Daylight Time

Printed Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_1, Date: 10-Jun-2009, Time: 17:35:29, ID: ST0610, Description: CSS 09DXND16

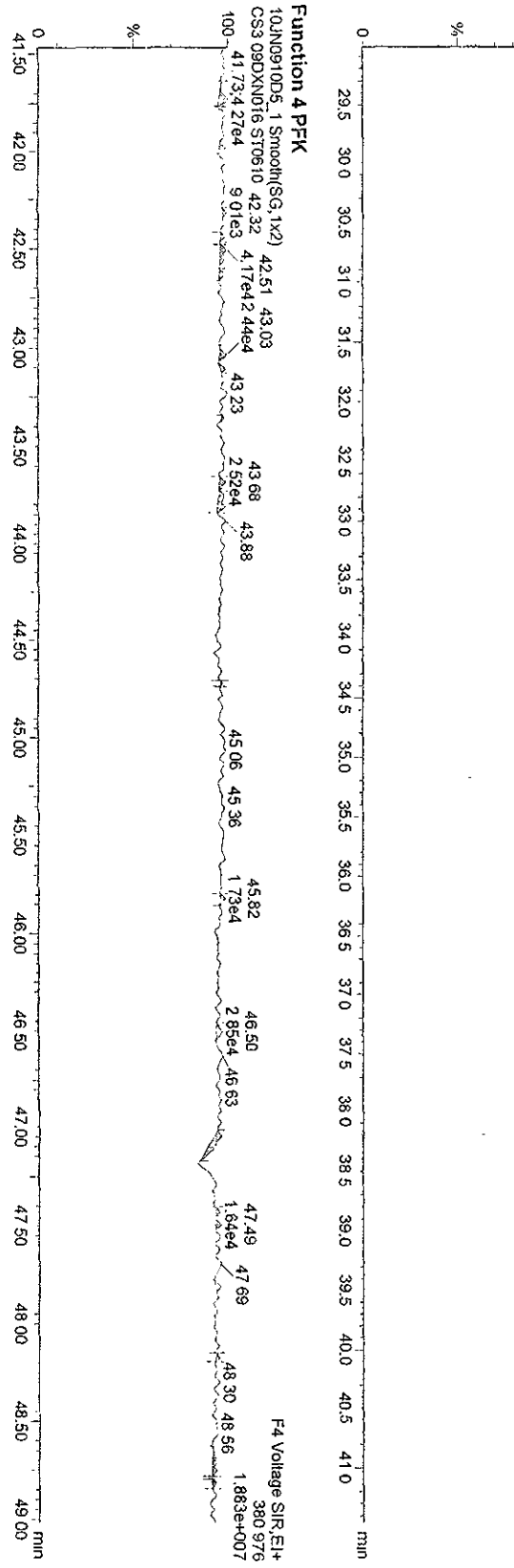
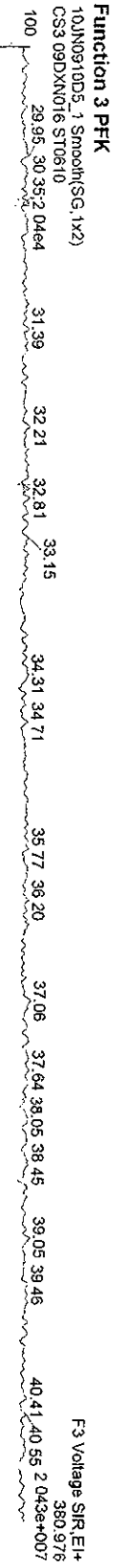
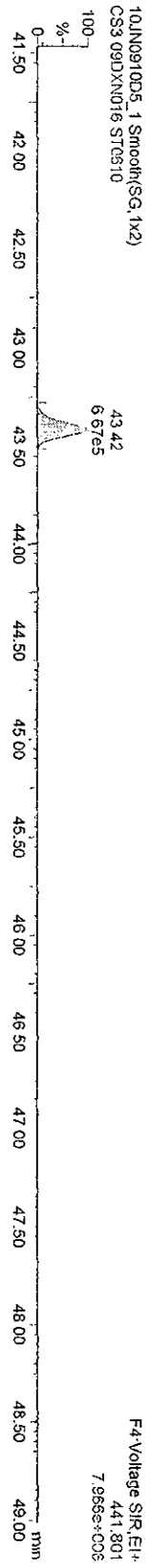
HPPCBs



Dataset: C:\MassLynx\Default\pro1\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_1, Date: 10-Jun-2009, Time: 17:35:29, ID: ST0610, Description: CS3 09DXN016



Dataset C:\MassLynx\Default prof\10JUN0910D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

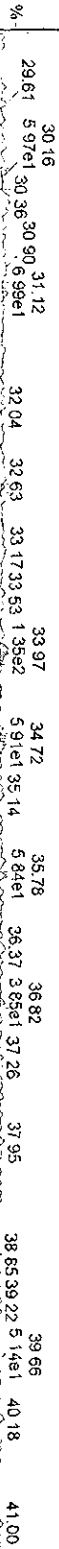
Name: 10JUN0910D5\_2, Date: 10-Jun-2009, Time: 18:34:53, ID: SB0610, Description: Solvent Blank C-12

TetraPCBs

10JUN0910D5\_2 Smooth(SG, 1x2)

Solvent Blank C-12 SB0610

100 29.02



F3 Voltage SIR, E1+

289.922  
2.155e+004

10JUN0910D5\_2 Smooth(SG, 1x2)

Solvent Blank C-12 SB0610

100 29.56



F3 Voltage SIR, E1+

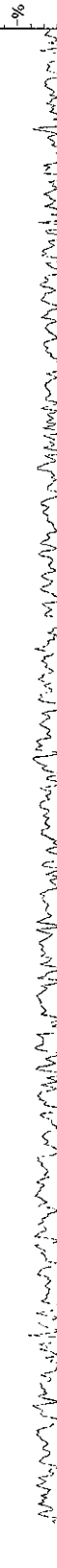
291.919  
1.108e+004

13C-TetrastPCBs

10JUN0910D5\_2 Smooth(SG, 1x2)

Solvent Blank C-12 SB0610

100 29.26



F3 Voltage SIR, E1+

301.963  
1.346e+004

10JUN0910D5\_2 Smooth(SG, 1x2)

Solvent Blank C-12 SB0610

100 29.53



F3 Voltage SIR, E1+

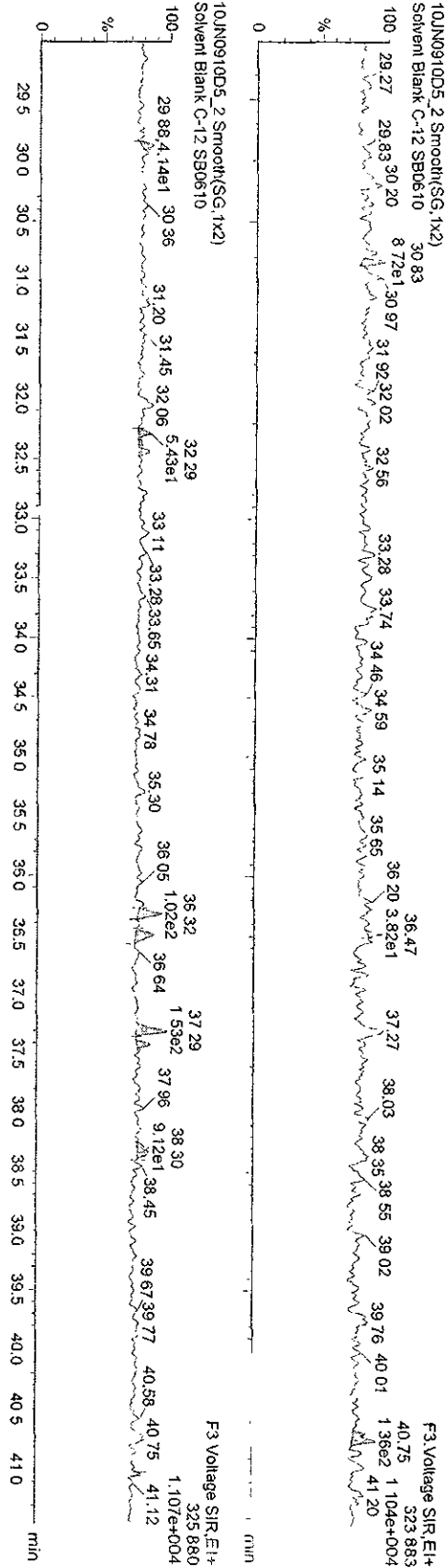
303.960  
1.116e+004

Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld

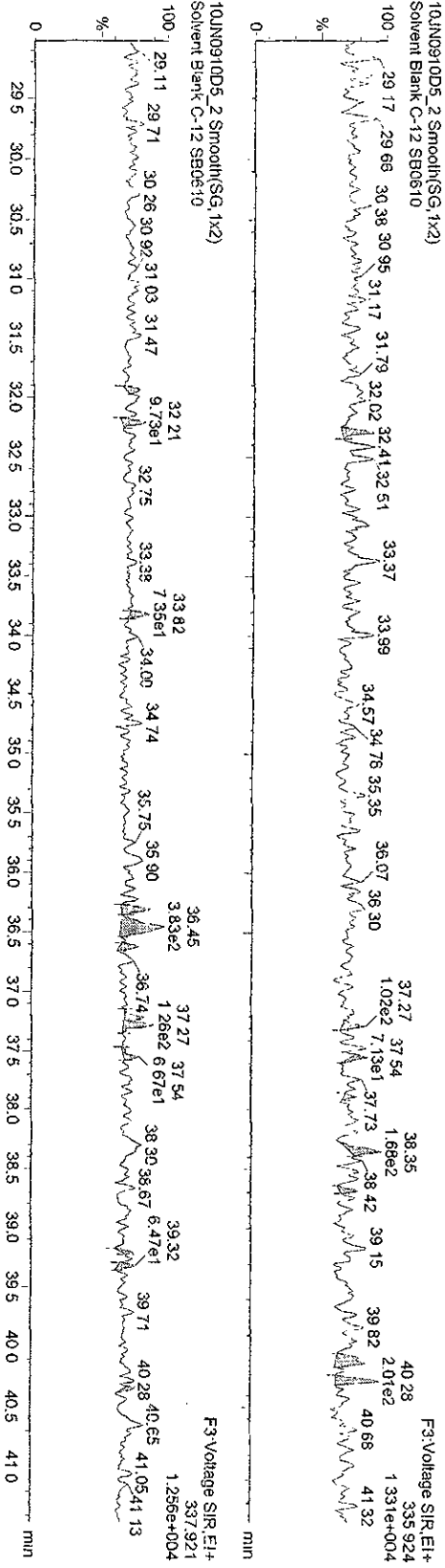
Last Altered Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_2, Date: 10-Jun-2009, Time: 18:34:53, ID: SB0610, Description: Solvent Blank C-12

PAPCBs



13C-PCPCBs





Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\proj\10JUN0910D51668MSL.qid

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time

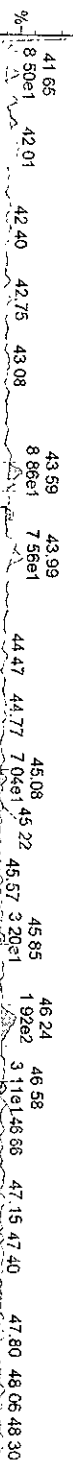
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_2, Date: 10-Jun-2009, Time: 18:34:53, ID: SB0610, Description: Solvent Blank C-12

HxPCBS-

10JUN0910D5\_2.Smooth(SG,1x2)  
Solvent Blank C-12 SB0610

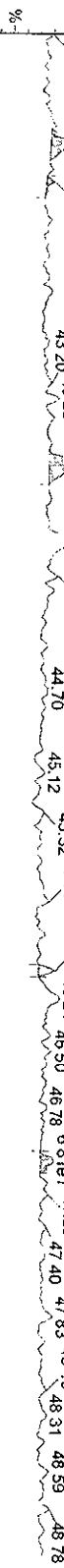
100 41.47



F4:Voltage SIR,EI+  
359.841  
1.874e+004

10JUN0910D5\_2.Smooth(SG,1x2)  
Solvent Blank C-12 SB0610

100 41.47 1.49e2

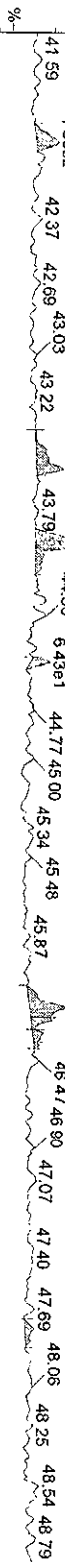


F4:Voltage SIR,EI+  
361.839  
1.093e+004  
1.251e+004

13C-HxPCBS

10JUN0910D5\_2.Smooth(SG,1x2)  
Solvent Blank C-12 SB0610

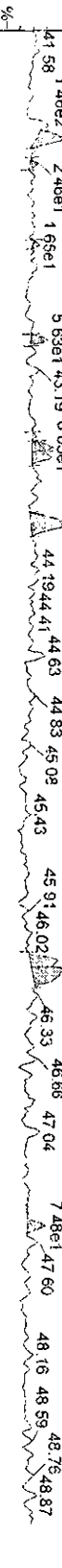
100 41.59



F4:Voltage SIR,EI+  
371.882  
1.251e+004

10JUN0910D5\_2.Smooth(SG,1x2)  
Solvent Blank C-12 SB0610

100 41.58



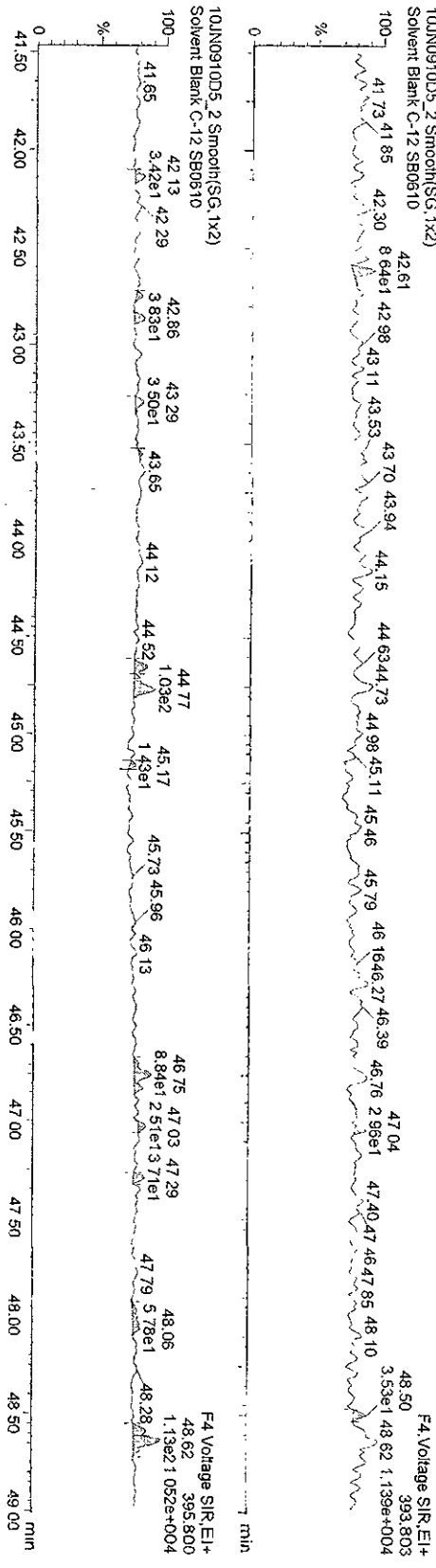
F4:Voltage SIR,EI+  
373.879  
1.204e+004

Dataset: C:\MassLynx\Default.pro\10JUN0910D51668MSL.qld

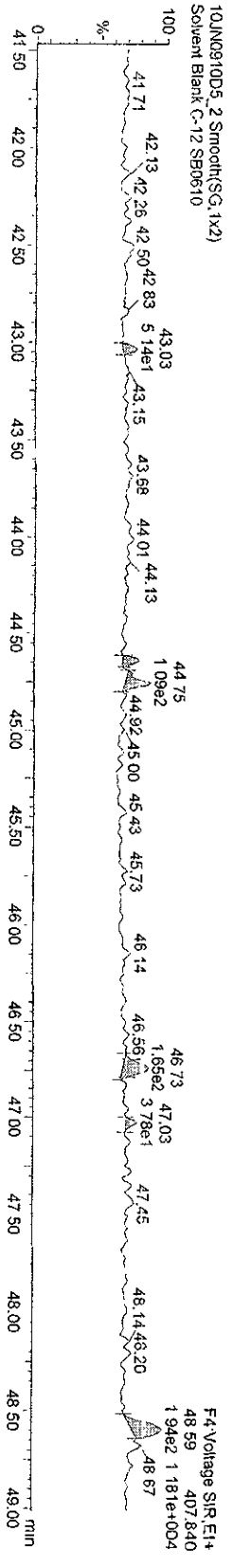
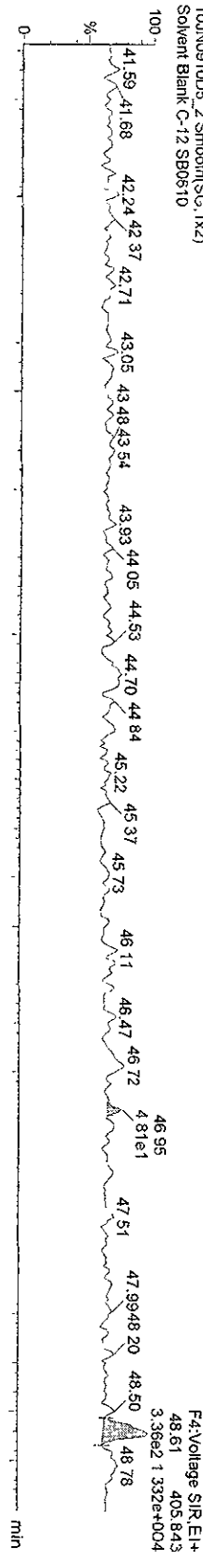
Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_2, Date: 10-Jun-2009, Time: 18:34:53, ID: SB0610, Description: Solvent Blank C-12

HppCBs



13C-HppCBs

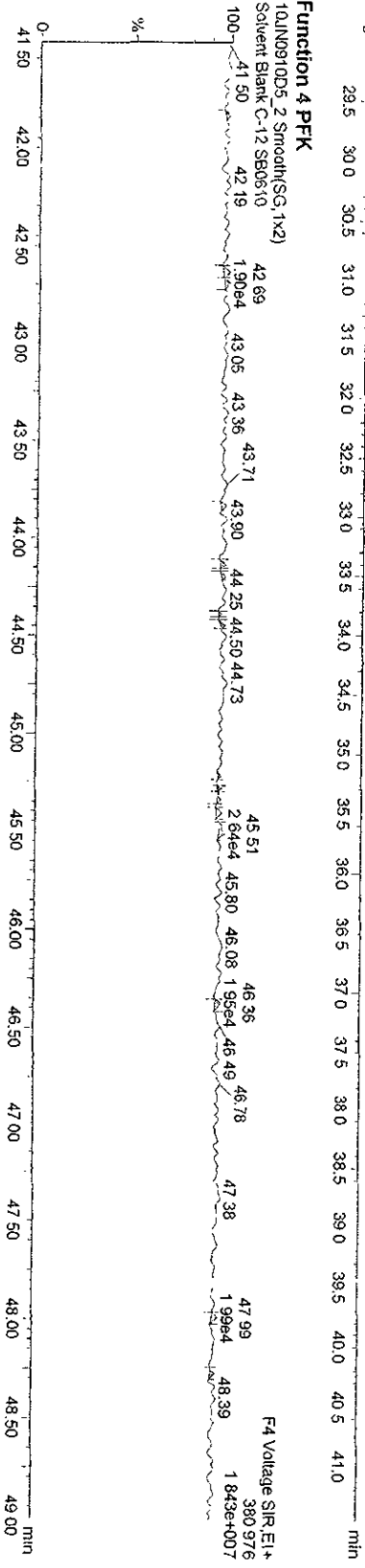
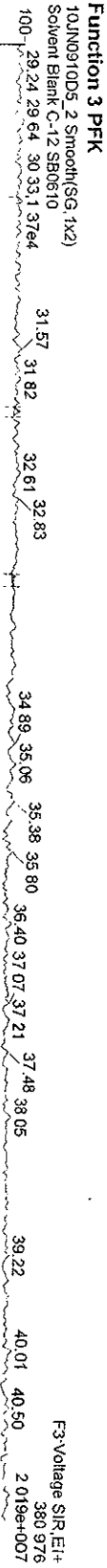
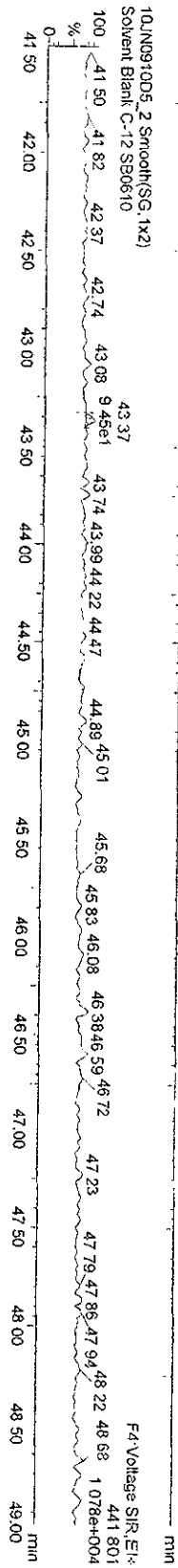
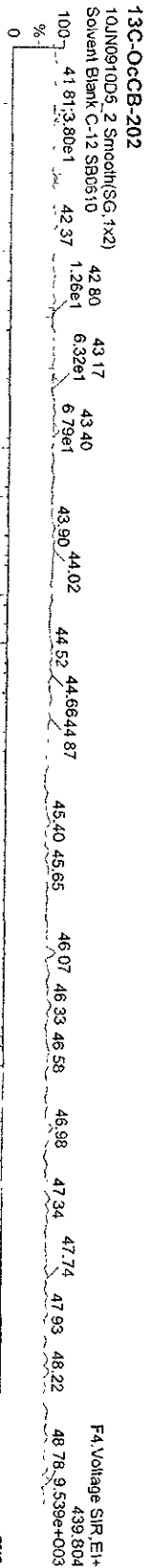


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\proj\10JUN09\10D51668MSL.qld

Last Altered: Friday, June 12, 2009 18:53:14 Pacific Daylight Time  
Printed: Friday, June 12, 2009 19:01:12 Pacific Daylight Time

Name: 10JUN0910D5\_2, Date: 10-Jun-2009, Time: 18:34:53, ID: SB0610, Description: Solvent Blank C-12



## **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID ICA0528200910D51668MSL

Method ID 1668M Date Scanned \_\_\_\_\_

Column ID DB-S Instrument ID 10D5

STD ID's ST0528, ST0528D, ST0528B STD Solution 09DXN (014 → 018)  
ST0528C, ST0528E

GC Program 1668M10D5 Multiplier Setting 350

Analyzed By SMA Date Analyzed 5-28-09

Prepared By SMA Date Prepared 5-29-09

Reviewed By KSS Date Reviewed 5/29/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for natives and ±40% for labeled compounds; S/N ≥ 2.5  
1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 2.5

Dataset C:\MassLynx\Default.pro\ICA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 14:02:36 Pacific Daylight Time

Printed: Friday, May 29, 2009 14:10:52 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 22 May 2009 10:05:00

Calibration: 29 May 2009 14:02:36

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	18021.87851	2050.71335	11.37902
2				
3	13C-TeCB-81	1.03599	0.02501	2.41419
4	TeCB-81	1.44583	0.00437	0.30224
5	13C-TeCB-77	1.08641	0.02579	2.37393
6	TeCB-77	1.29292	0.02056	1.58985
7				
8	13C-PeCB-123	0.95097	0.02827	2.97237
9	PeCB-123	1.51322	0.02212	1.46152
10	13C-PeCB-118	0.97393	0.03695	3.79401
11	PeCB-118/106	1.52848	0.02627	1.71893
12	13C-PeCB-114	1.01913	0.03962	3.88780
13	PeCB-114	1.58175	0.02479	1.56721
14	13C-PeCB-105	0.96994	0.03275	3.37666
15	PeCB-105/127	1.41405	0.02033	1.43796
16	13C-PeCB-126	1.05005	0.04594	4.37465
17	PeCB-126	1.18292	0.02614	2.20937
18				
19	13C-OcCB-202	22301.52450	3167.66285	14.20380
20				
21	13C-HxCB-167	0.92060	0.01264	1.37296
22	HxCB-167	1.34432	0.06662	4.95542
23	13C-HxCB-156	0.74676	0.02195	2.93968
24	HxCB-156	1.67701	0.03279	1.95505
25	13C-HxCB-157	0.78876	0.00924	1.17170
26	HxCB-157	1.65897	0.03279	1.97646
27	13C-HxCB-169	0.84240	0.01605	1.90524
28	HxCB-169	1.15392	0.00861	0.74591
29				
30	13C-HpCB-180	0.63199	0.00526	0.83284
31	HpCB-180	1.27271	0.03767	2.96008
32	13C-HpCB-170	0.51406	0.01057	2.05650
33	HpCB-170	1.58019	0.02915	1.84501
34	13C-HpCB-189	0.70062	0.01369	1.95356
35	HpCB-189	1.22015	0.01845	1.51238
36				
37	13C-PeCB-111	1.28382	0.03552	2.76696
38				
39	Function 3 PFK			
40	Function 4 PFK			

Dataset: C:\MassLynx\Default.pro\ICA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:57:43 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 22 May 2009 10:05:00

Calibration: 29 May 2009 13:49:37

Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1 09DXN014

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod Date
1	13C-PeCB-101	335.924	31.98	100.0	1505538	15055...	0.621	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.87	100.0	1499320	0.99587	0.804	NO	
4	TeCB-81	289.922	33.89	1.0	21729	1.44926	0.680	NO	
5	13C-TeCB-77	301.963	34.56	100.0	1571163	1.04359	0.799	NO	
6	TeCB-77	289.922	34.58	1.0	20417	1.29948	0.796	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.24	100.0	1356845	0.90124	0.628	NO	
9	PeCB-123	323.883	36.25	1.0	20056	1.47813	0.632	NO	
10	13C-PeCB-118	335.924	36.40	100.0	1367557	0.90835	0.631	NO	
11	PeCB-118/106	323.883	36.42	1.0	21031	1.53782	0.626	NO	
12	13C-PeCB-114	335.924	37.19	100.0	1428865	0.94907	0.638	NO	
13	PeCB-114	323.883	37.21	1.0	23059	1.61380	0.617	NO	
14	13C-PeCB-105	335.924	38.27	100.0	1376830	0.91451	0.631	NO	
15	PeCB-105/127	323.883	38.28	1.0	19559	1.42057	0.665	NO	
16	13C-PeCB-126	335.924	40.56	100.0	1459447	0.96939	0.633	NO	
17	PeCB-126	323.883	40.58	1.0	16639	1.14008	0.635	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.37	100.0	1722276	17222....	0.906	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.93	100.0	1557764	0.90448	1.278	NO	
22	HxCB-167	359.841	41.95	1.0	21705	1.39336	1.182	NO	
23	13C-HxCB-156	371.882	43.50	100.0	1239747	0.71983	1.277	NO	
24	HxCB-156	359.841	43.53	1.0	21256	1.71455	1.316	NO	
25	13C-HxCB-157	371.882	43.88	100.0	1340422	0.77828	1.282	NO	
26	HxCB-157	359.841	43.92	1.0	22858	1.70526	1.238	NO	
27	13C-HxCB-169	371.882	46.10	100.0	1457843	0.84646	1.292	NO	
28	HxCB-169	359.841	46.13	1.0	16815	1.15339	1.122	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.67	100.0	1080103	0.62714	1.040	NO	
31	HpCB-180	393.803	44.69	1.0	14298	1.32373	1.114	NO	
32	13C-HpCB-170	405.843	46.67	100.0	902463	0.52399	1.050	NO	
33	HpCB-170	393.803	46.70	1.0	14394	1.59493	1.025	NO	
34	13C-HpCB-189	405.843	48.55	100.0	1240090	0.72003	1.043	NO	
35	HpCB-189	393.803	48.56	1.0	14936	1.20439	1.068	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.74	100.0	1880007	1.34487	0.633	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset: C:\MassLynx\Default.pro\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 14:02:36 Pacific Daylight Time

Printed: Friday, May 29, 2009 14:10:26 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 22 May 2009 10:05:00

Calibration: 29 May 2009 14:02:36

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2 09DXN015

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.99	100.0	1671786	16717	0.628	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.89	100.0	1723875	1.03116	0.794	NO	
4	TeCB-81	289.922	33.90	5.0	124777	1.44763	0.761	NO	
5	13C-TeCB-77	301.963	34.57	100.0	1812491	1.08416	0.783	NO	
6	TeCB-77	289.922	34.59	5.0	114793	1.26669	0.745	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.25	100.0	1615057	0.96607	0.633	NO	
9	PeCB-123	323.883	36.27	5.0	123319	1.52711	0.602	NO	
10	13C-PeCB-118	335.924	36.42	100.0	1652281	0.98833	0.627	NO	
11	PeCB-118/106	323.883	36.44	5.0	128890	1.56015	0.606	NO	
12	13C-PeCB-114	335.924	37.21	100.0	1738717	1.04004	0.637	NO	
13	PeCB-114	323.883	37.22	5.0	139002	1.59890	0.615	NO	
14	13C-PeCB-105	335.924	38.28	100.0	1649787	0.98684	0.633	NO	
15	PeCB-105/127	323.883	38.30	5.0	118647	1.43833	0.605	NO	
16	13C-PeCB-126	335.924	40.58	100.0	1798365	1.07572	0.624	NO	
17	PeCB-126	323.883	40.60	5.0	106251	1.18164	0.616	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.39	100.0	2118365	21183...	0.913	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.95	100.0	1933172	0.91258	1.264	NO	
22	HxCB-167	359.841	41.98	5.0	138745	1.43541	1.258	NO	29-May-09 ✓
23	13C-HxCB-156	371.882	43.53	100.0	1650220	0.77901	1.297	NO	
24	HxCB-156	359.841	43.54	5.0	140885	1.70747	1.235	NO	
25	13C-HxCB-157	371.882	43.91	100.0	1686413	0.79609	1.278	NO	
26	HxCB-157	359.841	43.93	5.0	141687	1.68034	1.206	NO	
27	13C-HxCB-169	371.882	46.13	100.0	1751611	0.82687	1.306	NO	
28	HxCB-169	359.841	46.14	5.0	101140	1.15482	1.252	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.69	100.0	1335736	0.63055	1.043	NO	
31	HpCB-180	393.803	44.72	5.0	86786	1.29945	1.038	NO	
32	13C-HpCB-170	405.843	46.70	100.0	1073509	0.50876	1.046	NO	
33	HpCB-170	393.803	46.72	5.0	87214	1.62484	1.015	NO	
34	13C-HpCB-189	405.843	48.56	100.0	1462046	0.69018	1.035	NO	
35	HpCB-189	393.803	48.58	5.0	88785	1.21453	1.017	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.75	100.0	2152927	1.27329	0.625	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					



Dataset: C:\MassLynx\Default.pro\ICA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:57:43 Pacific Daylight Time

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2 09DXN015

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.99	100.0	1671786	16717...	0.628	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.89	100.0	1723875	1.03116	0.794	NO	
4	TeCB-81	289.922	33.90	5.0	124777	1.44763	0.761	NO	
5	13C-TeCB-77	301.963	34.57	100.0	1812491	1.08416	0.783	NO	
6	TeCB-77	289.922	34.59	5.0	114793	1.26669	0.745	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.25	100.0	1615057	0.96607	0.633	NO	
9	PeCB-123	323.883	36.27	5.0	123319	1.52711	0.602	NO	
10	13C-PeCB-118	335.924	36.42	100.0	1652281	0.98833	0.627	NO	
11	PeCB-118/106	323.883	36.44	5.0	128890	1.56015	0.606	NO	
12	13C-PeCB-114	335.924	37.21	100.0	1738717	1.04004	0.637	NO	
13	PeCB-114	323.883	37.22	5.0	139002	1.59890	0.615	NO	
14	13C-PeCB-105	335.924	38.28	100.0	1649787	0.98684	0.633	NO	
15	PeCB-105/127	323.883	38.30	5.0	118647	1.43833	0.605	NO	
16	13C-PeCB-126	335.924	40.58	100.0	1798365	1.07572	0.624	NO	
17	PeCB-126	323.883	40.60	5.0	106251	1.18164	0.616	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.39	100.0	2118365	2.1183...	0.913	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.95	100.0	1933172	0.91258	1.264	NO	
22	HxCB-167	359.841	41.98	5.0	131341	1.35881	1.430	YES	
23	13C-HxCB-156	371.882	43.53	100.0	1650220	0.77901	1.297	NO	
24	HxCB-156	359.841	43.54	5.0	140885	1.70747	1.235	NO	
25	13C-HxCB-157	371.882	43.91	100.0	1686413	0.79609	1.278	NO	
26	HxCB-157	359.841	43.93	5.0	141687	1.68034	1.206	NO	
27	13C-HxCB-169	371.882	46.13	100.0	1751611	0.82687	1.306	NO	
28	HxCB-169	359.841	46.14	5.0	101140	1.15482	1.252	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.69	100.0	1335736	0.63055	1.043	NO	
31	HpCB-180	393.803	44.72	5.0	86786	1.29945	1.038	NO	
32	13C-HpCB-170	405.843	46.70	100.0	1073509	0.50676	1.046	NO	
33	HpCB-170	393.803	46.72	5.0	87214	1.62484	1.015	NO	
34	13C-HpCB-189	405.843	48.56	100.0	1462046	0.69018	1.035	NO	
35	HpCB-189	393.803	48.58	5.0	88785	1.21453	1.017	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.75	100.0	2152927	1.27329	0.625	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset: C:\MassLynx\Default.pro\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:57:43 Pacific Daylight Time

Name: 28MY0910D5\_3, Date: 28-May-2009, Time: 11:05:48, ID: ST0528B, Description: CS-3 09DXN016

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act.	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.97	100.0	1911614	19116	0.632	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.87	100.0	1999243	1.04584	0.798	NO	
4	TeCB-81	289.922	33.89	50.0	1443097	1.44364	0.753	NO	
5	13C-TeCB-77	301.963	34.56	100.0	2108278	1.10288	0.803	NO	
6	TeCB-77	289.922	34.59	50.0	1378394	1.30760	0.757	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.24	100.0	1844611	0.96495	0.631	NO	
9	PeCB-123	323.883	36.27	50.0	1389088	1.50610	0.614	NO	
10	13C-PeCB-118	335.924	36.40	100.0	1886498	0.98686	0.640	NO	
11	PeCB-118/106	323.883	36.44	50.0	1450837	1.53813	0.622	NO	
12	13C-PeCB-114	335.924	37.19	100.0	1996025	1.04416	0.637	NO	
13	PeCB-114	323.883	37.22	50.0	1571245	1.57437	0.608	NO	
14	13C-PeCB-105	335.924	38.26	100.0	1859526	0.97275	0.642	NO	
15	PeCB-105/127	323.883	38.28	50.0	1325338	1.42546	0.614	NO	
16	13C-PeCB-126	335.924	40.56	100.0	2049367	1.07206	0.625	NO	
17	PeCB-126	323.883	40.60	50.0	1228636	1.19904	0.610	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.37	100.0	2396656	23966	0.911	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.93	100.0	2247102	0.93760	1.275	NO	
22	HxCB-167	359.841	41.96	50.0	1468896	1.30737	1.073	NO	
23	13C-HxCB-156	371.882	43.51	100.0	1781541	0.74334	1.268	NO	
24	HxCB-156	359.841	43.53	50.0	1469535	1.64974	1.228	NO	
25	13C-HxCB-157	371.882	43.90	100.0	1894786	0.79060	1.270	NO	
26	HxCB-157	359.841	43.91	50.0	1544353	1.63011	1.236	NO	
27	13C-HxCB-169	371.882	46.11	100.0	2023062	0.84412	1.275	NO	
28	HxCB-169	359.841	46.13	50.0	1164875	1.15160	1.242	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.67	100.0	1516743	0.63286	1.042	NO	
31	HpCB-180	393.803	44.70	50.0	953971	1.25792	1.038	NO	
32	13C-HpCB-170	405.843	46.69	100.0	1218612	0.50846	1.047	NO	
33	HpCB-170	393.803	46.70	50.0	951085	1.56093	1.028	NO	
34	13C-HpCB-189	405.843	48.55	100.0	1657888	0.69175	1.040	NO	
35	HpCB-189	393.803	48.58	50.0	1031413	1.24425	1.044	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.74	100.0	2427452	1.25957	0.629	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset: C:\MassLynx\Default.pro\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:57:43 Pacific Daylight Time

Name: 28MY0910D5\_4, Date: 28-May-2009, Time: 12:01:57, ID: ST0528C, Description: CS-4 09DXN017

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.97	100.0	1980922	19809...	0.637	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.87	100.0	2069418	1.04467	0.787	NO	
4	TeCB-81	289.922	33.90	200.0	5956686	1.43922	0.762	NO	
5	13C-TeCB-77	301.963	34.57	100.0	2163726	1.09228	0.783	NO	
6	TeCB-77	289.922	34.59	200.0	5523116	1.27630	0.756	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.25	100.0	1891316	0.95477	0.626	NO	
9	PeCB-123	323.883	36.27	200.0	5753490	1.52103	0.607	NO	
10	13C-PeCB-118	335.924	36.42	100.0	1956732	0.98779	0.637	NO	
11	PeCB-118/106	323.883	36.44	200.0	5834986	1.49100	0.615	NO	
12	13C-PeCB-114	335.924	37.21	100.0	2036942	1.02828	0.634	NO	
13	PeCB-114	323.883	37.22	200.0	6317145	1.55064	0.615	NO	
14	13C-PeCB-105	335.924	38.26	100.0	1932970	0.97579	0.634	NO	
15	PeCB-105/127	323.883	38.30	200.0	5385373	1.39303	0.606	NO	
16	13C-PeCB-126	335.924	40.58	100.0	2090785	1.05546	0.635	NO	
17	PeCB-126	323.883	40.60	200.0	4958950	1.18591	0.615	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.39	100.0	2472984	24729...	0.905	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.95	100.0	2284663	0.92385	1.284	NO	
22	HxCB-167	359.841	41.96	200.0	5845603	1.27931	1.242	NO	
23	13C-HxCB-156	371.882	43.51	100.0	1823020	0.73717	1.295	NO	
24	HxCB-156	359.841	43.54	200.0	5989271	1.64268	1.244	NO	
25	13C-HxCB-157	371.882	43.90	100.0	1929151	0.78009	1.285	NO	
26	HxCB-157	359.841	43.93	200.0	6296654	1.63198	1.238	NO	
27	13C-HxCB-169	371.882	46.11	100.0	2048275	0.82826	1.275	NO	
28	HxCB-169	359.841	46.14	200.0	4681935	1.14290	1.254	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.69	100.0	1555024	0.62880	1.043	NO	
31	HpCB-180	393.803	44.70	200.0	3832777	1.23239	1.038	NO	
32	13C-HpCB-170	405.843	46.69	100.0	1246736	0.50414	1.053	NO	
33	HpCB-170	393.803	46.72	200.0	3896486	1.56268	1.041	NO	
34	13C-HpCB-189	405.843	48.56	100.0	1708696	0.69094	1.044	NO	
35	HpCB-189	393.803	48.58	200.0	4111188	1.20302	1.030	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.74	100.0	2541498	1.28245	0.626	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

Printed: Friday, May 29, 2009 13:57:43 Pacific Daylight Time

Name: 28MY0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST0528E, Description: CS-5 09DXN018

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Act ..	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.97	100.0	1941080	19410	0.637	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.87	100.0	2062176	1.06239	0.791	NO	
4	TeCB-81	289.922	33.89	500.0	14944819	1.44942	0.757	NO	
5	13C-TeCB-77	301.963	34.57	100.0	2152912	1.10913	0.807	NO	
6	TeCB-77	289.922	34.59	500.0	14150347	1.31453	0.753	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.25	100.0	1878666	0.96785	0.635	NO	
9	PeCB-123	323.883	36.27	500.0	14406717	1.53372	0.610	NO	
10	13C-PeCB-118	335.924	36.42	100.0	1937793	0.99831	0.639	NO	
11	PeCB-118/106	323.883	36.44	500.0	14681746	1.51531	0.611	NO	
12	13C-PeCB-114	335.924	37.21	100.0	2007295	1.03411	0.635	NO	
13	PeCB-114	323.883	37.22	500.0	15767612	1.57103	0.619	NO	
14	13C-PeCB-105	335.924	38.26	100.0	1940652	0.99978	0.627	NO	
15	PeCB-105/127	323.883	38.30	500.0	13515113	1.39284	0.617	NO	
16	13C-PeCB-126	335.924	40.58	100.0	2091790	1.07764	0.635	NO	
17	PeCB-126	323.883	40.60	500.0	12633873	1.20795	0.616	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.39	100.0	2440482	24404....	0.906	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.95	100.0	2256245	0.92451	1.297	NO	
22	HxCB-167	359.841	41.96	500.0	14734866	1.30614	1.246	NO	
23	13C-HxCB-156	371.882	43.51	100.0	1841205	0.75444	1.283	NO	
24	HxCB-156	359.841	43.54	500.0	15379881	1.67063	1.247	NO	
25	13C-HxCB-157	371.882	43.90	100.0	1949315	0.79874	1.287	NO	
26	HxCB-157	359.841	43.93	500.0	16054331	1.64718	1.232	NO	
27	13C-HxCB-169	371.882	46.11	100.0	2114117	0.86627	1.280	NO	
28	HxCB-169	359.841	46.14	500.0	12334753	1.16689	1.250	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.69	100.0	1563395	0.64061	1.046	NO	
31	HpCB-180	393.803	44.70	500.0	9771591	1.25005	1.040	NO	
32	13C-HpCB-170	405.843	46.69	100.0	1285942	0.52692	1.044	NO	
33	HpCB-170	393.803	46.72	500.0	10014740	1.55757	1.039	NO	
34	13C-HpCB-189	405.843	48.56	100.0	1733164	0.71017	1.037	NO	
35	HpCB-189	393.803	48.58	500.0	10698547	1.23457	1.049	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.74	100.0	2481652	1.25893	0.625	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1	28MY0910D5_1	CS-1 09DXN014	ST0528	---	---	1.000000	---	1.00
2	28MY0910D5_2	CS-2 09DXN015	ST0528A	wrong vial cs-3	---	1.000000	---	1.00
3	28MY0910D5_3	CS-3 09DXN016	ST0528B	---	---	1.000000	---	1.00
4	28MY0910D5_4	CS-4 09DXN017	ST0528C	---	---	1.000000	---	1.00
5	28MY0910D5_5	CS-2 09DXN015	ST0528D	---	---	1.000000	---	1.00
6	28MY0910D5_6	CS-5 09DXN018	ST0528E	---	---	1.000000	---	1.00
7	28MY0910D5_7	Solvent Blank C-12	SB0528	---	---	1.000000	---	1.00
8	28MY0910D5_8	2nd Source 09DXN055	ST0528F	---	---	1.000000	---	1.00
9	28MY0910D5_9	CS-3 09DXN016	ST0528G	---	---	1.000000	---	1.00
10	28MY0910D5_10	Solvent Blank C-12	SB0528A	---	---	1.000000	---	1.00
11	28MY0910D5_11	G9D270149-1MBRX	LDR4A-1-AAB	1668/WASTE	54	0.100000	Samp	20
12	28MY0910D5_12	G9D270149-1LCSRX	LDR4A-1-ACC	1668/WASTE	---	0.100000	Samp	20
13	28MY0910D5_13	G9D270149-1RX	LAVAW-2-AC	1668/WASTE	---	0.119000	Samp	20
14	28MY0910D5_14	Solvent Blank C-12	SB0528B	---	---	1.000000	---	1.00
15	28MY0910D5_15	G9E190206-1MB	LDKET-1-AAB	1668/SOLID	53	2.000000	g	20
16	28MY0910D5_16	G9E190206-1LCS	LDKET-1-ACC	1668/SOLID	---	2.000000	g	20
17	28MY0910D5_17	G9E190206-1	LDA98-1-AE	1668/SOLID	---	2.060000	g	20
18	28MY0910D5_18	G9E190206-1MS	LDA98-1-AKS	1668/SOLID	---	2.150000	g	20
19	28MY0910D5_19	G9E190206-1SD	LDA98-1-ALD	1668/SOLID	---	2.130000	g	20
20	28MY0910D5_20	Solvent Blank C-12	SB0528C	---	---	1.000000	---	1.00
21	28MY0910D5_21	QC 052809 PCB SPIKE	PCB SPIKE QC	---	---	1.000000	---	1.00

log file checked  
5-29-09  
SMA

Sample List: C:\MassLynx\Default.pro\Sampledb\28MY0910D5 SPL  
Last Modified: Thursday, May 28, 2009 18:20:18 Pacific Daylight Time  
Printed: Thursday, May 28, 2009 18:20:24 Pacific Daylight Time

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	1	2	100	100
Tray1:2	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:3	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:4	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	200	400	100	100
Tray1:5	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	5	10	100	100
Tray1:6	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	500	1000	100	100
Tray1:7	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Standard	SMA 05-28-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:10	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:11	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:15	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:16	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:21	1.000000	Analyte	SMA 05-28-09	1668M10D5	1668M10D5	---	---	2000	2000

Sample List: C:\MassLynx\Default.pro\Sampledb\28MY0910D5.SPL

Last Modified: Thursday, May 28, 2009 18:20:18 Pacific Daylight Time

Printed: Thursday, May 28, 2009 18:20:24 Pacific Daylight Time

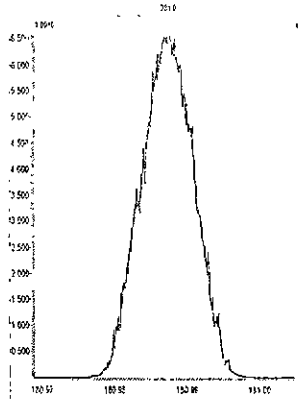
Page Position (3, 1)

Conc E	Conc F	Conc G	Conc H	Process	Process Options	Action On Error
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100	---	---	---	---	---	---
100	---	---	---	---	---	---
100	---	---	---	---	---	---
100	---	---	---	---	---	---
100	---	---	---	---	---	---
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2000	---	---	---	---	---	---
100	---	---	---	---	---	---
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2000	---	---	---	---	---	---
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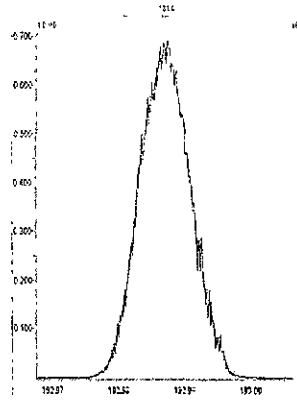
File: Experiment: 1668M10D5 exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, May 28, 2009 08:53:47 Pacific Daylight Time

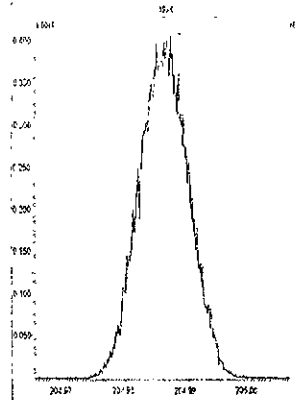
M 180.9888 R 11464



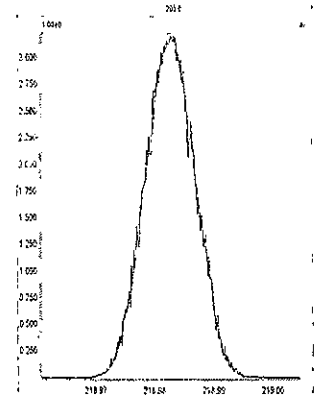
M 192.9888 R 11015



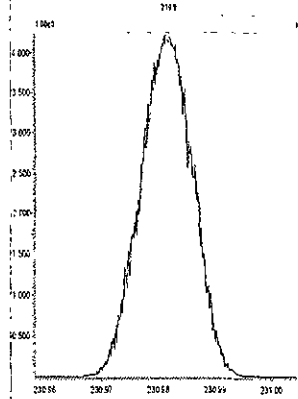
M 204.9888 R 11685



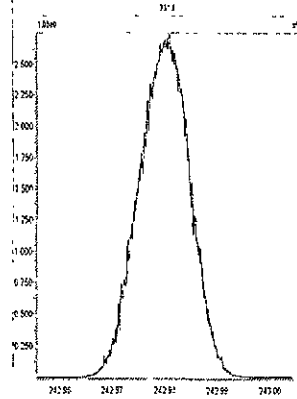
M 218.9856 R 11683



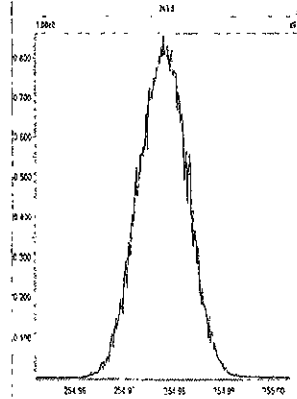
M 230.9856 R 11259



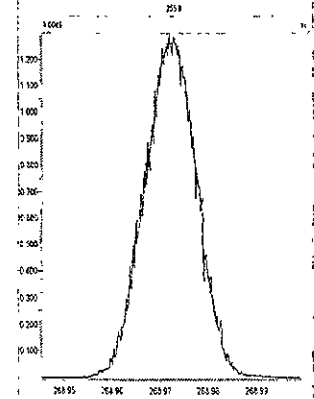
M 242.9856 R 10964



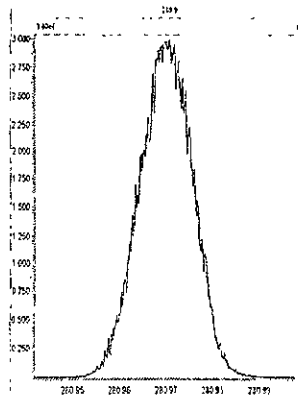
M 254.9856 R 11363



M 268.9824 R 11060



M 280.9824 R 11064

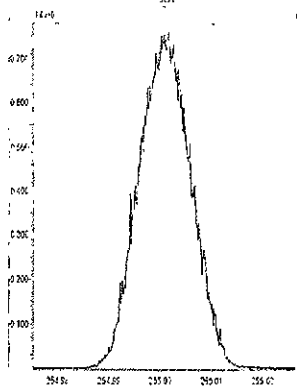




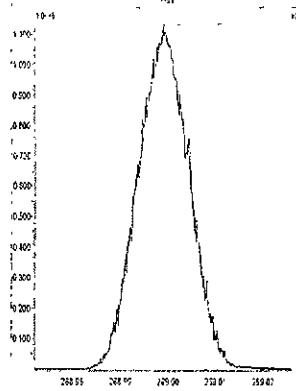
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Printed: Thursday, May 28, 2009 09:00:44 Pacific Daylight Time

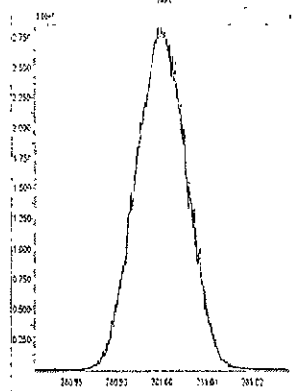
M 254.9856 R 11262



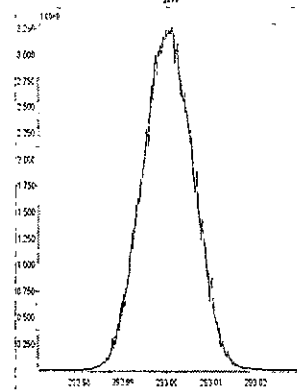
M 268.9824 R 11012



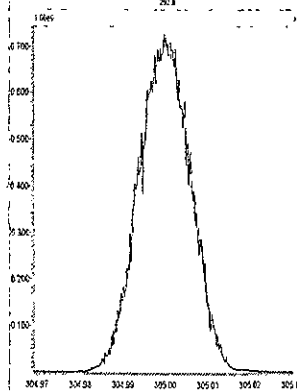
M 280.9824 R 11258



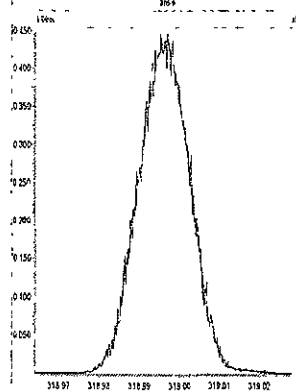
M 292.9824 R 11256



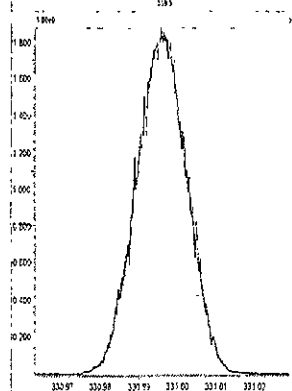
M 304.9824 R 11209



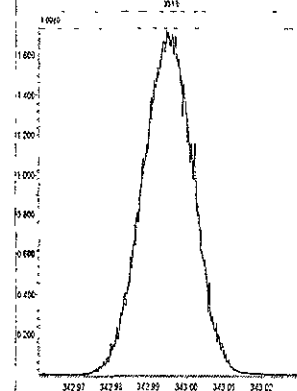
M 318.9792 R 11361



M 330.9792 R 11262



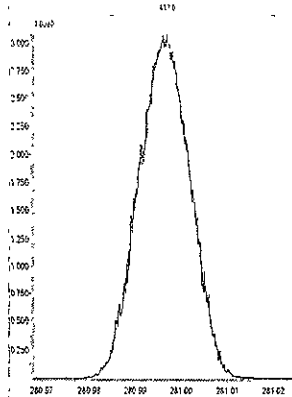
M 342.9792 R 11210



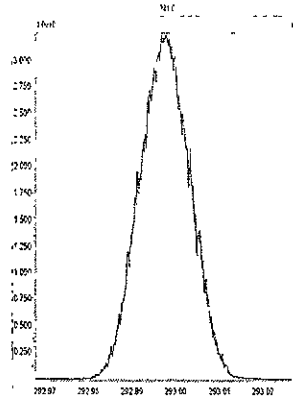
File: Experiment: 1668M10D5.exp Reference: pk ref Function: 3 @ 200 (ppm)

Printed: Thursday, May 28, 2009 09:01:39 Pacific Daylight Time

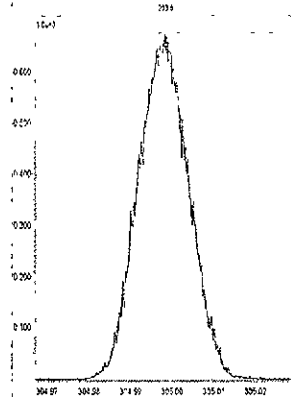
M 280.9824 R 11418



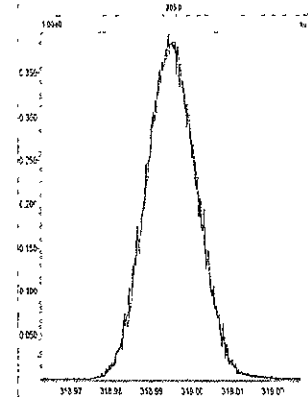
M 292.9824 R 11211



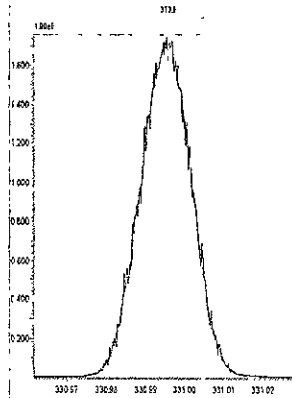
M 304.9824 R 11362



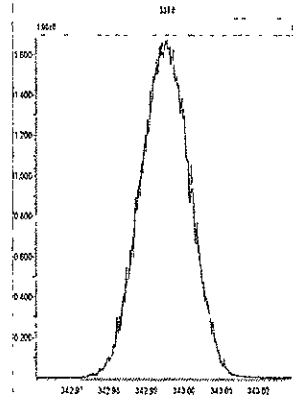
M 318.9792 R 11315



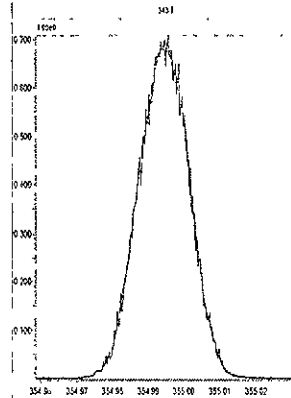
M 330.9792 R 11112



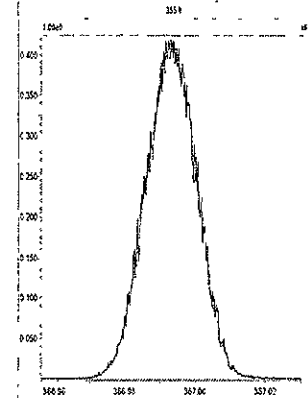
M 342.9792 R 11414



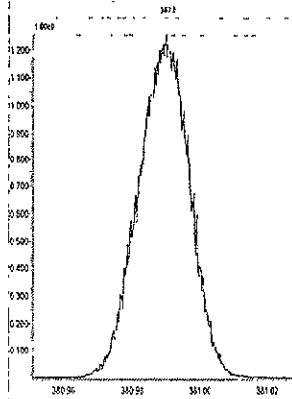
M 354.9792 R 11113



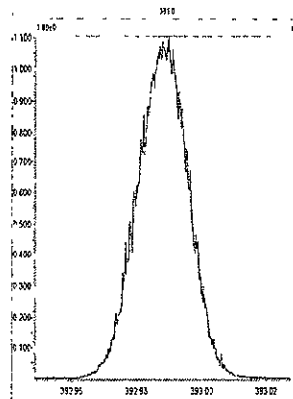
M 366.9792 R 11261



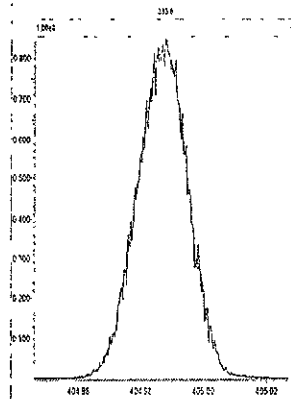
M 380.9760 R 11160



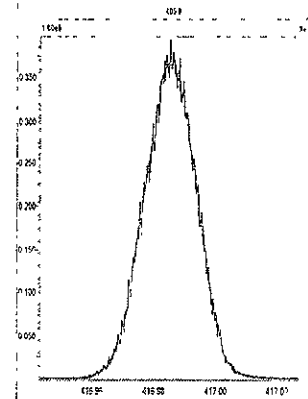
M 392.9760 R 11212



M 404.9760 R 10965



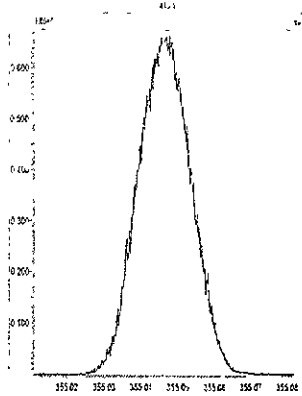
M 416.9760 R 11064



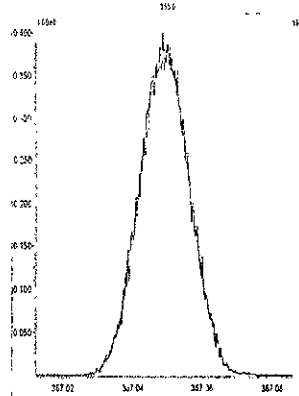
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Printed: Thursday, May 28, 2009 09:02:48 Pacific Daylight Time

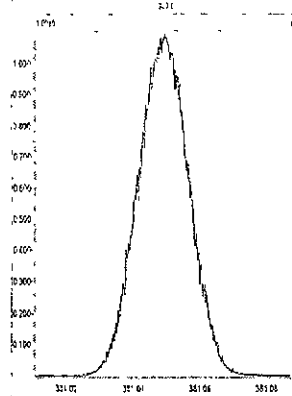
M 354.9792 R 10964



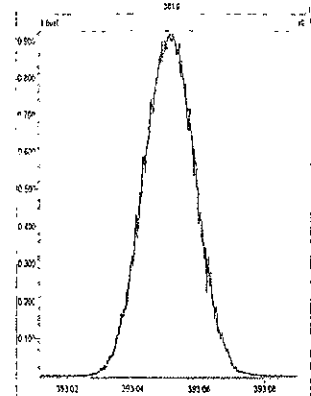
M 366.9792 R 10967



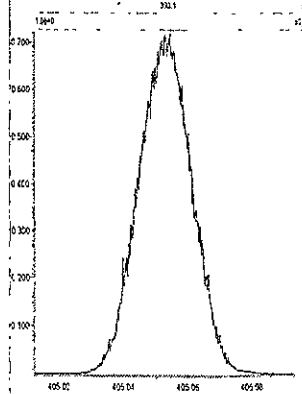
M 380.9760 R 11161



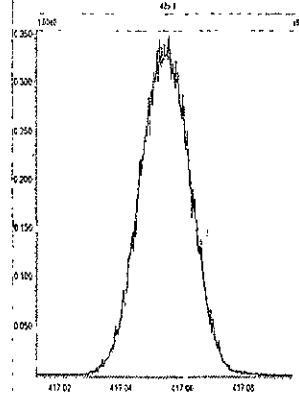
M 392.9760 R 10683



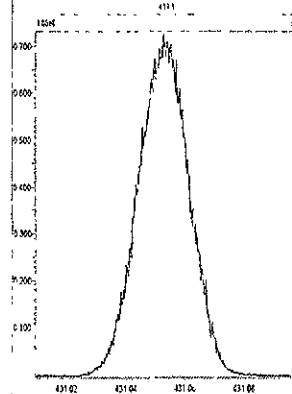
M 404.9760 R 10963



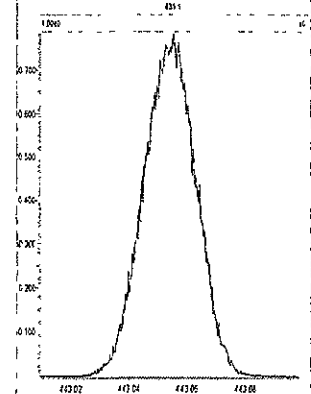
M 416.9760 R 11058



M 430.9728 R 11110



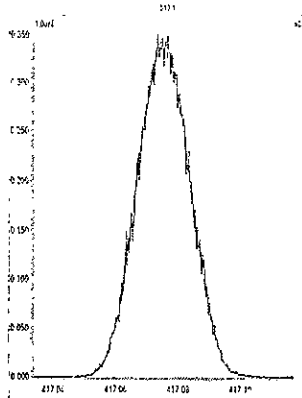
M 442.9728 R 11159



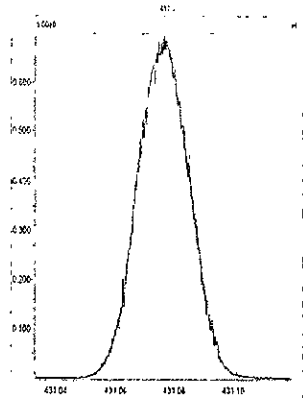
File: Experiment. 1668M10D5 exp Reference. pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, May 28, 2009 09:03:58 Pacific Daylight Time

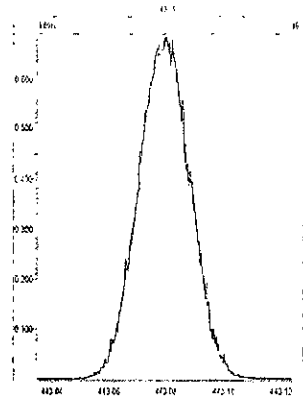
M 416.9760 R 10966



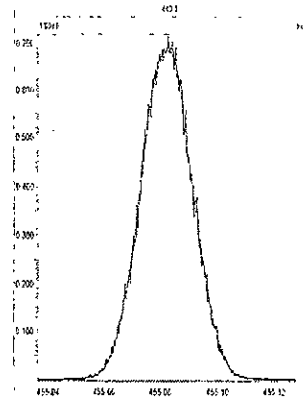
M 430.9728 R 10917



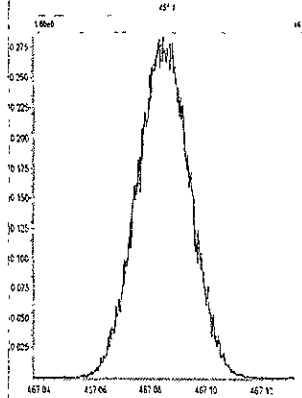
M 442.9728 R 11061



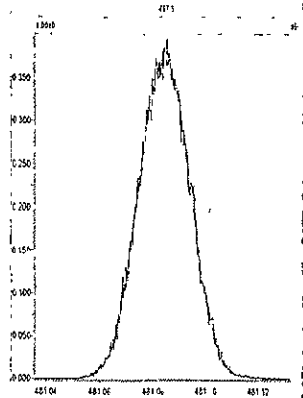
M 454.9728 R 10773



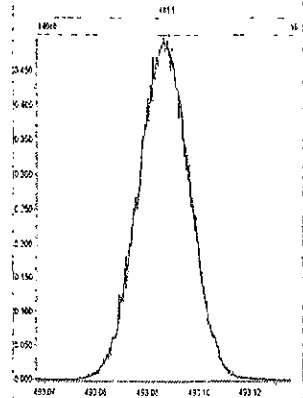
M 466.9728 R 10684



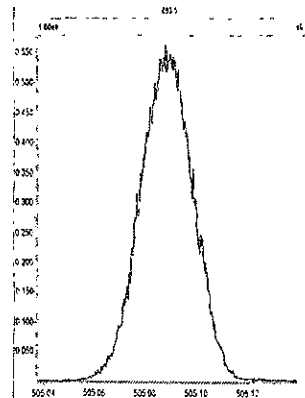
M 480.9696 R 10683



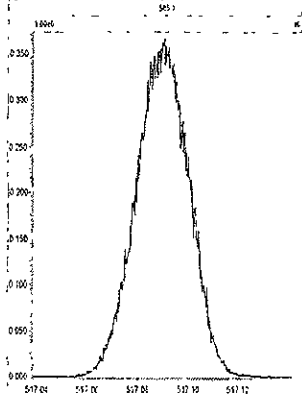
M 492.9696 R 10820



M 504.9696 R 10638



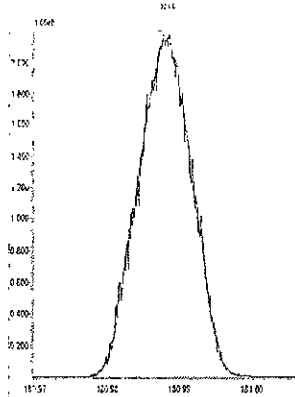
M 516.9697 R 10961



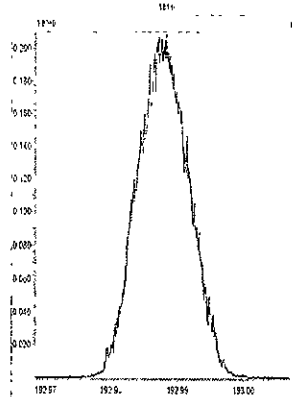
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Printed: Friday, May 29, 2009 08:15:27 Pacific Daylight Time

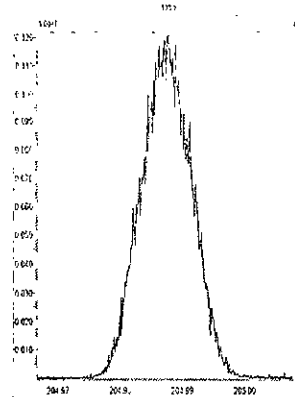
M 180.9888 R 11364



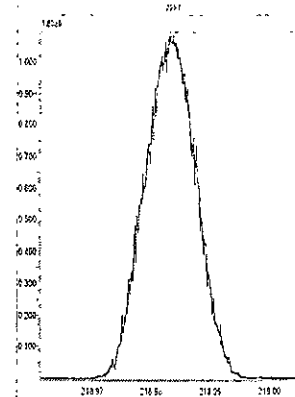
M 192.9888 R 10967



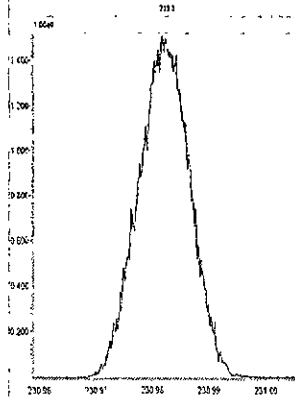
M 204.9888 R 11315



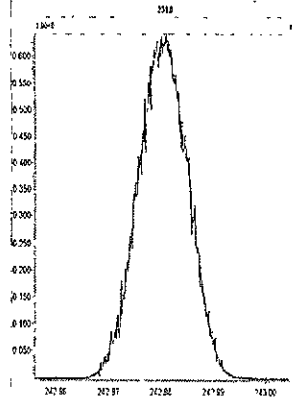
M 218.9856 R 11575



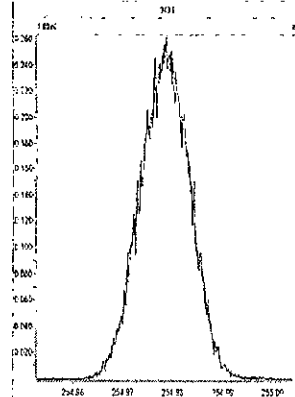
M 230.9856 R 11629



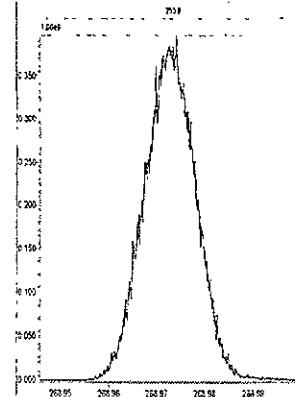
M 242.9856 R 11576



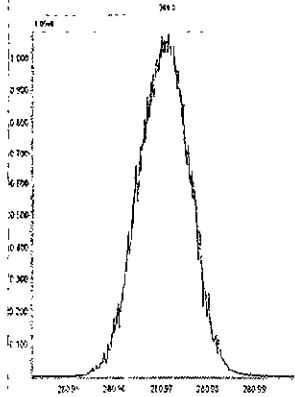
M 254.9856 R 11013



M 268.9824 R 10915



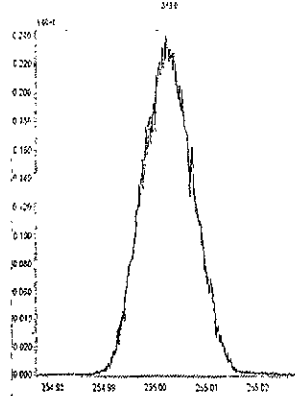
M 280.9824 R 11206



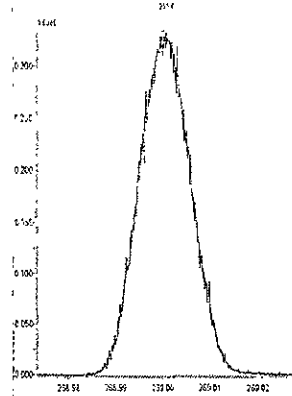
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Printed: Friday, May 29, 2009 08:16:22 Pacific Daylight Time

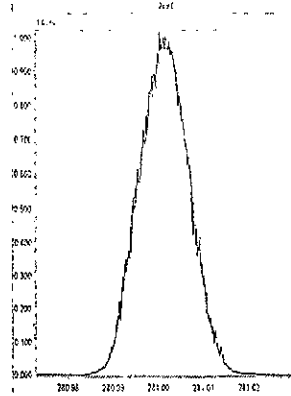
M 254.9856 R 11416



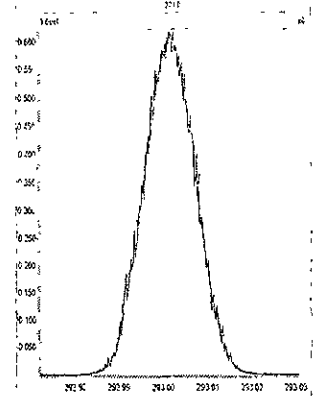
M 268.9824 R 11363



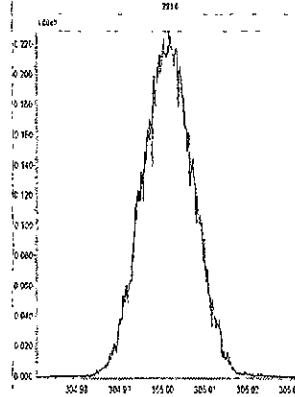
M 280.9824 R 11214



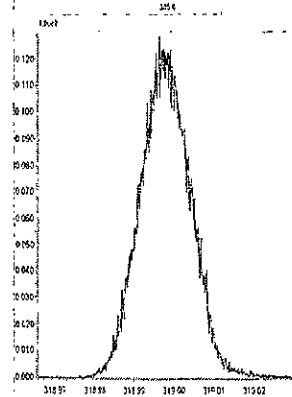
M 292.9824 R 11112



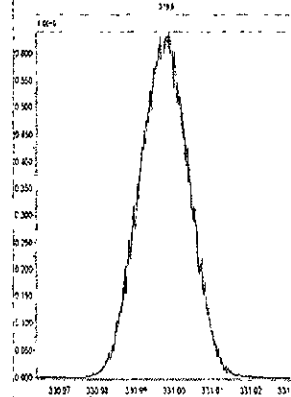
M 304.9824 R 10821



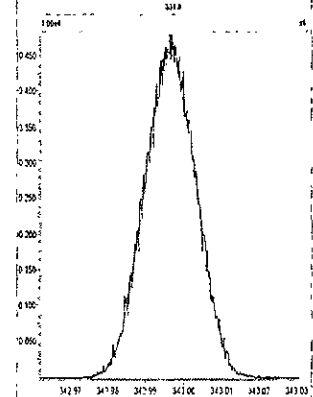
M 318.9792 R 11158



M 330.9792 R 11469



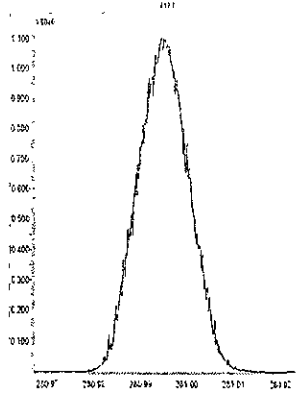
M 342.9792 R 11160



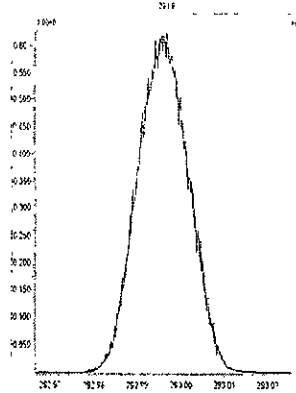
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Printed: Friday, May 29, 2009 08:17:16 Pacific Daylight Time

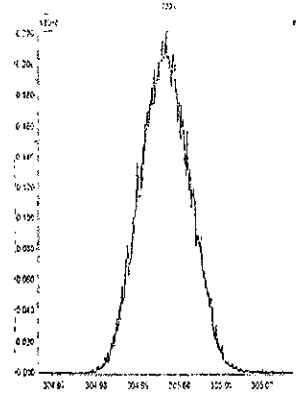
M 280.9824 R 11264



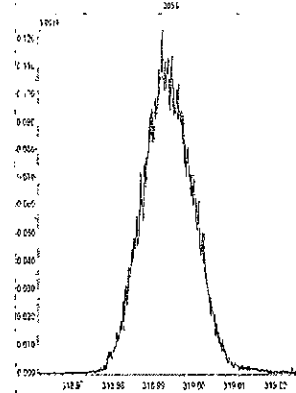
M 292.9824 R 11211



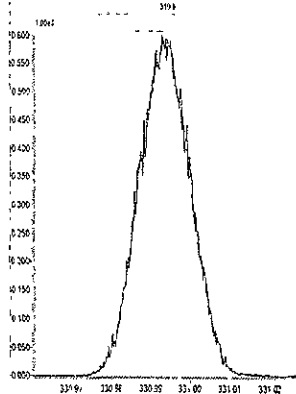
M 304.9824 R 11209



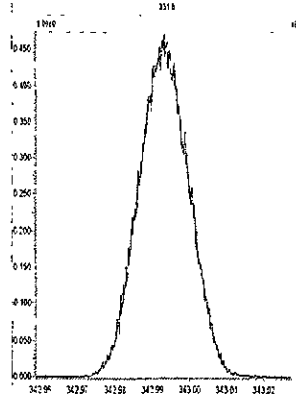
M 318.9792 R 11571



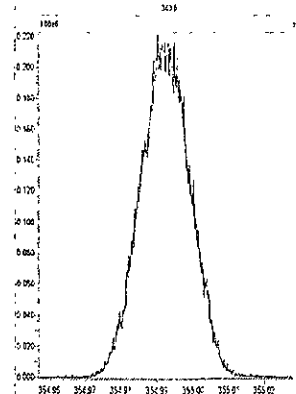
M 330.9792 R 11262



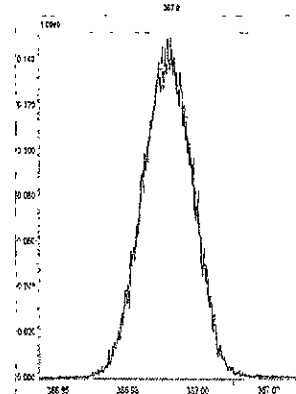
M 342.9792 R 11414



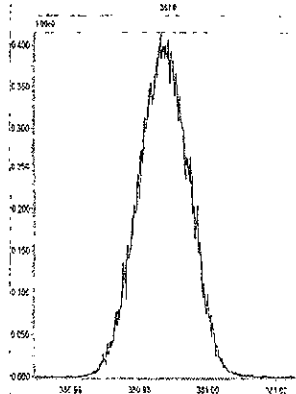
M 354.9792 R 11162



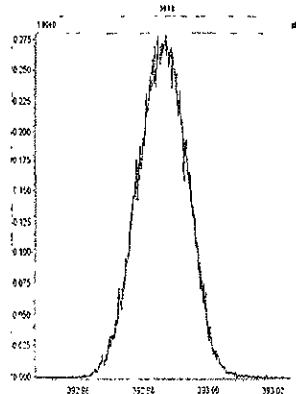
M 366.9792 R 11161



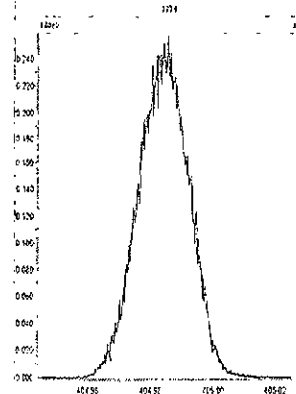
M 380.9760 R 11362



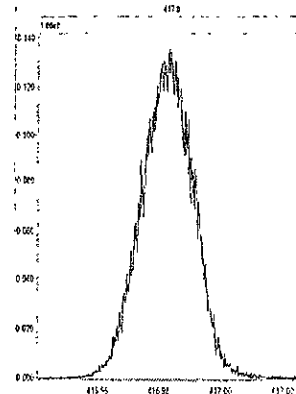
M 392.9760 R 11258



M 404.9760 R 11211



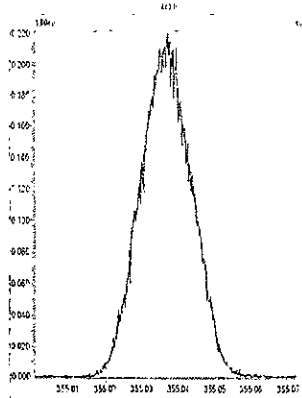
M 416.9760 R 11012



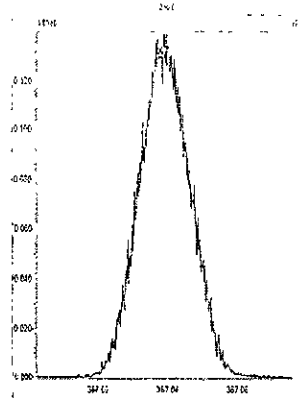
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Printed: Friday, May 29, 2009 08:18 07 Pacific Daylight Time

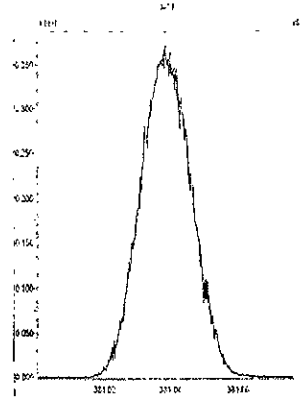
M 354.9792 R 11209



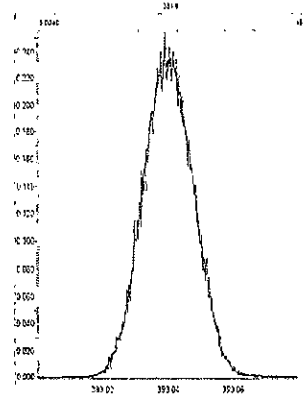
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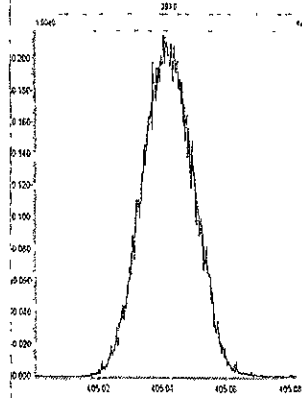
M 380.9760 R 10965



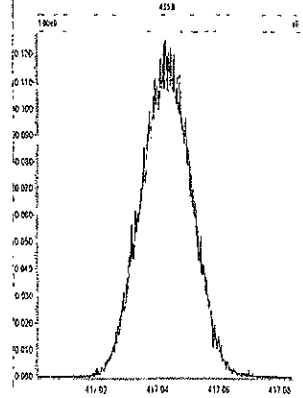
M 392.9760 R 10826



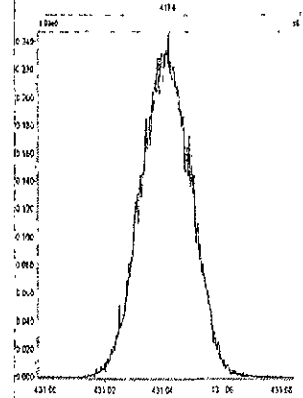
M 404.9760 R 10867



M 416.9760 R 11013



M 430.9728 R 11467



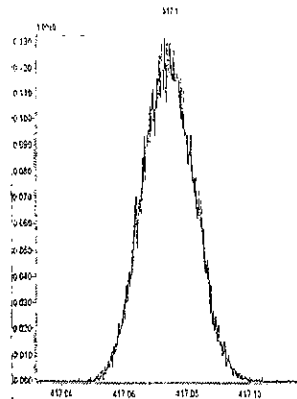
M 442.9728 R 11465



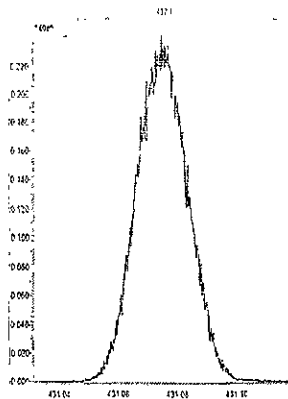
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Printed: Friday, May 29 2009 08:18:53 Pacific Daylight Time

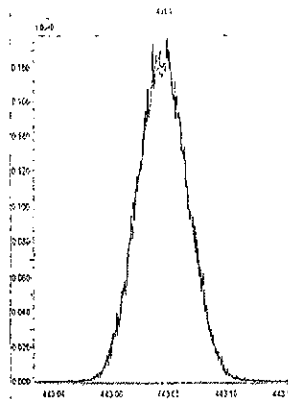
M 416.9760 R 11629



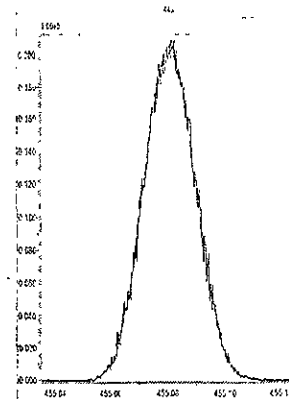
M 430.9728 R 11062



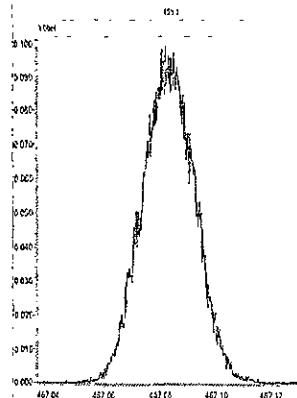
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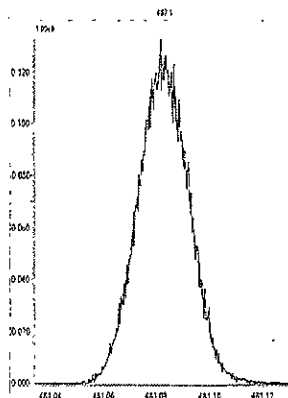
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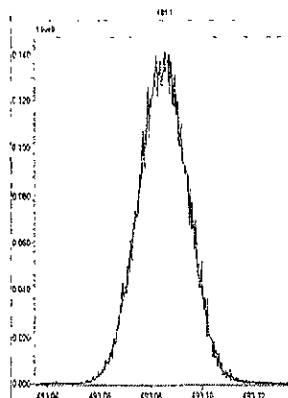
M 466.9728 R 10460



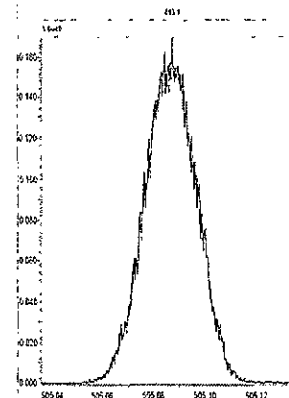
M 480.9696 R 10916



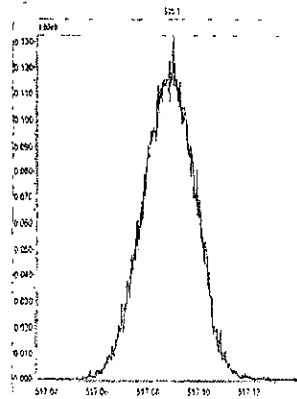
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M 504.9696 R 11013



M 516.9697 R 10778

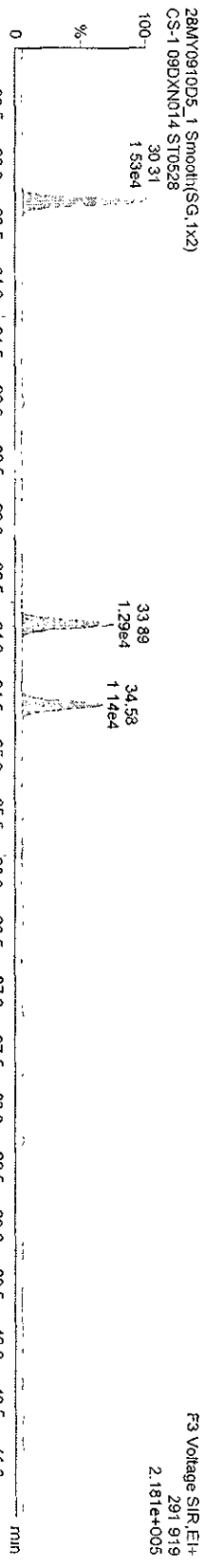
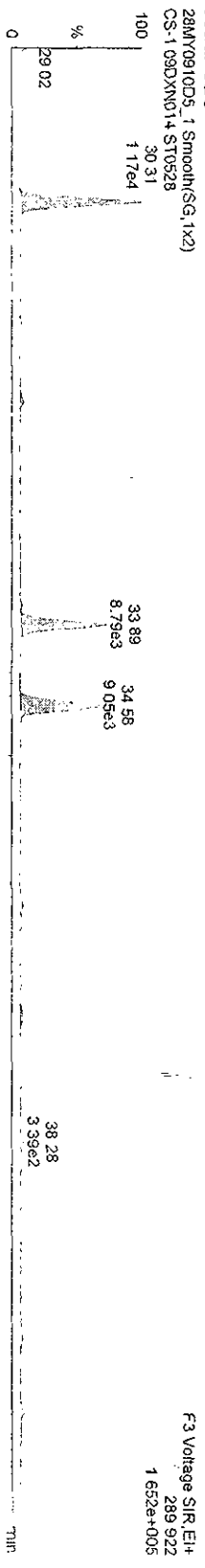


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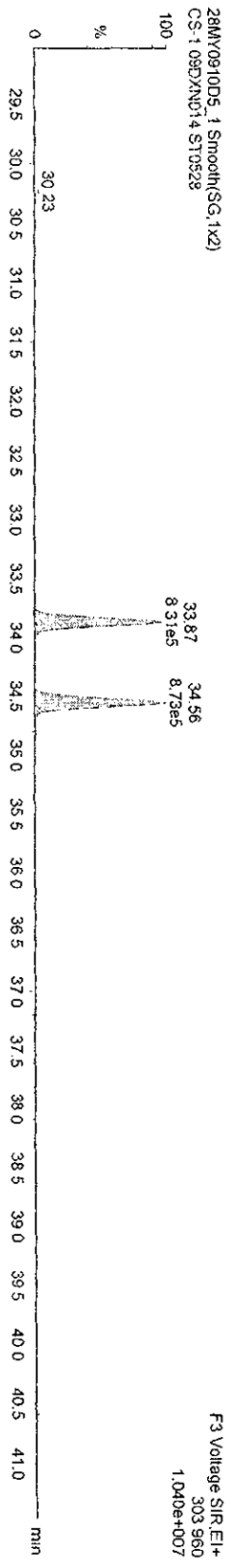
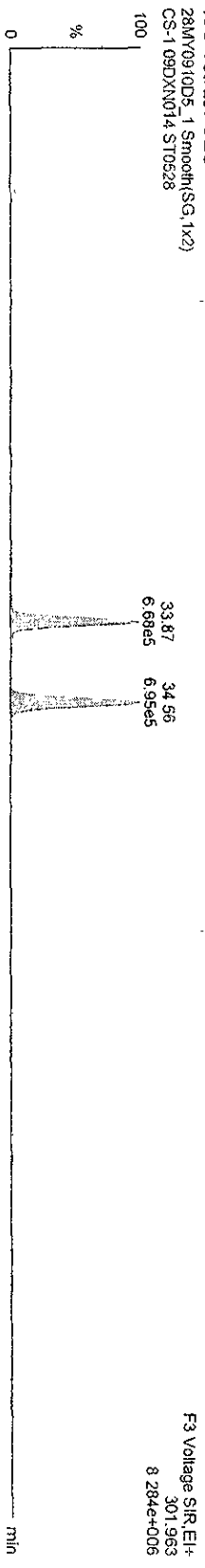
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
 Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1 09DXND14

**TetraPCBs**



**13C-TetraPCBs**

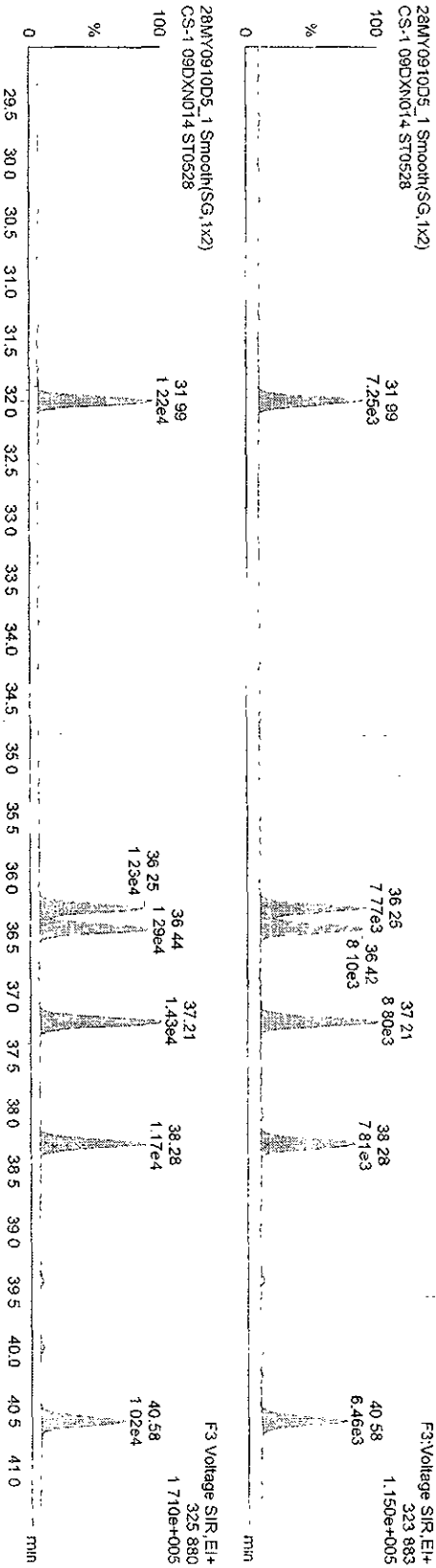


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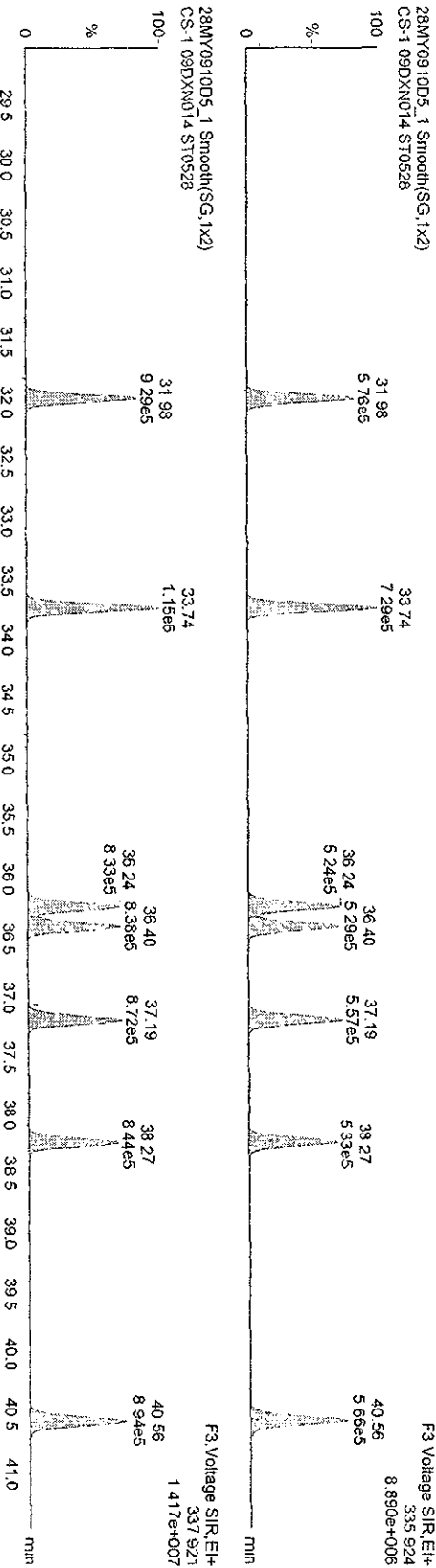
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Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1-09DXN014

PePCBs



13C-PePCBs

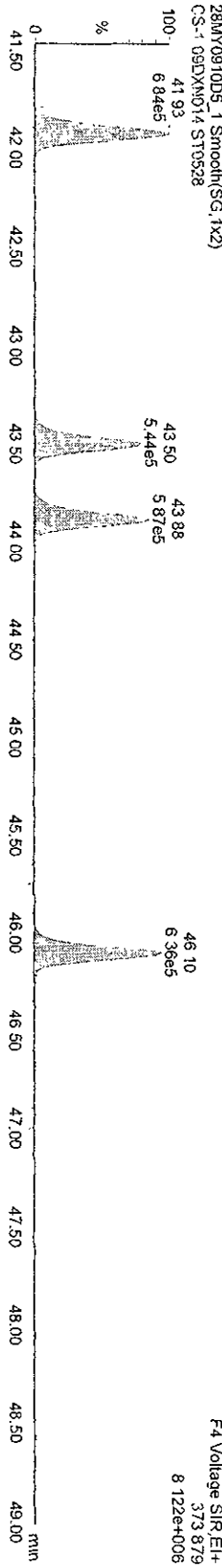
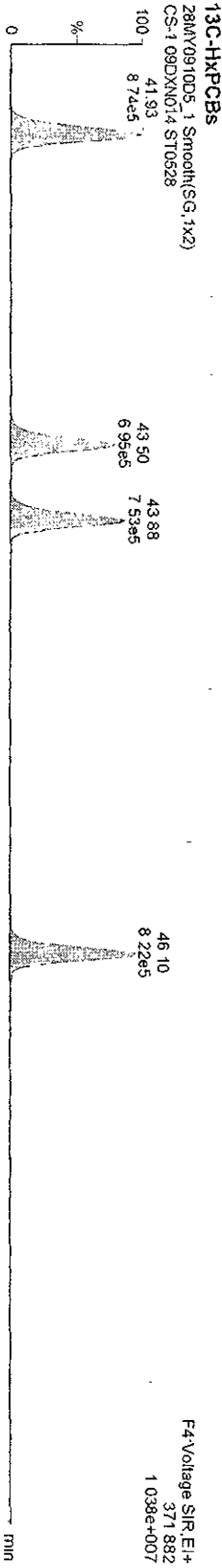
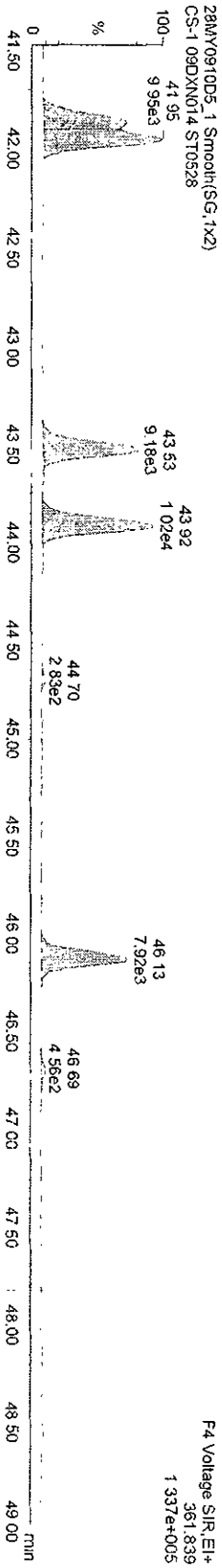
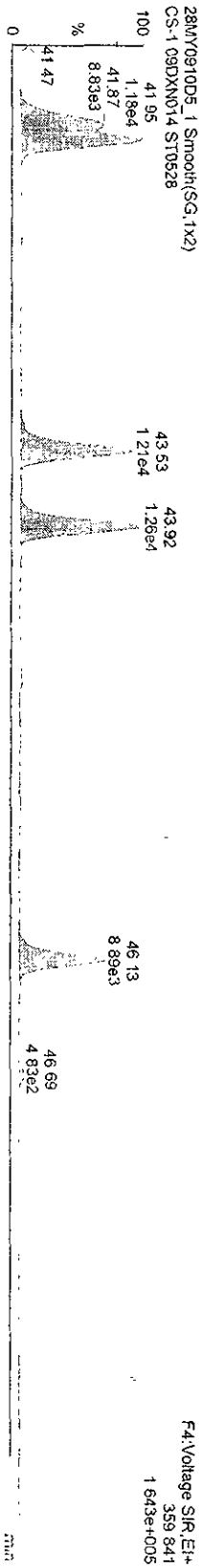


Dataset: C:\MassLynx\Default\proj\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
 Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1 09DXND14

HxPCBs-

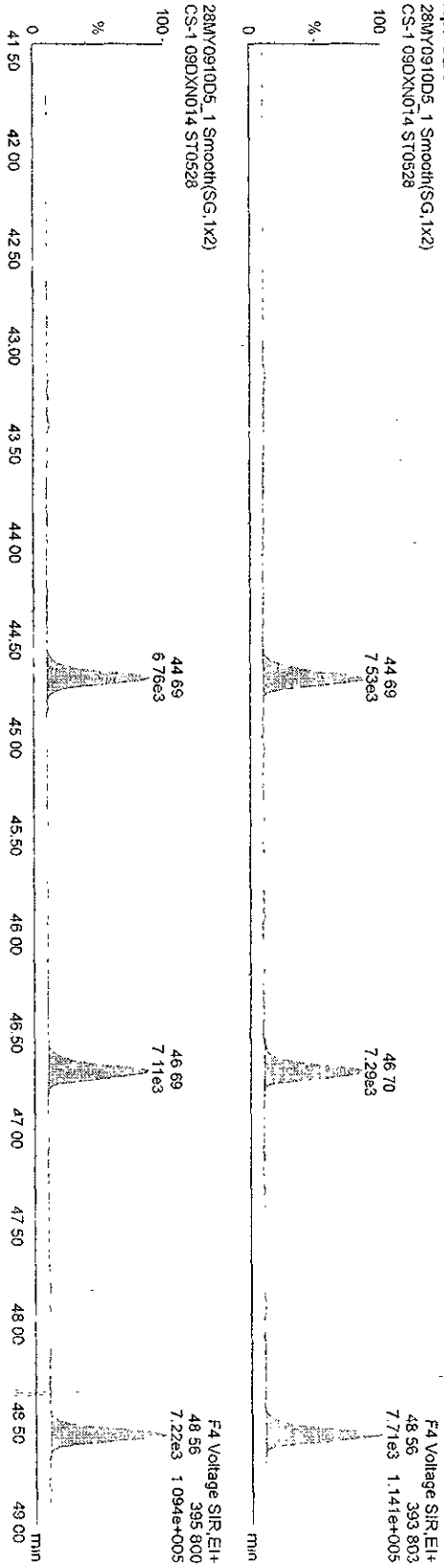


Dataset C:\MassLynx\Default\prof\CA0528200910D51668MSL.qld

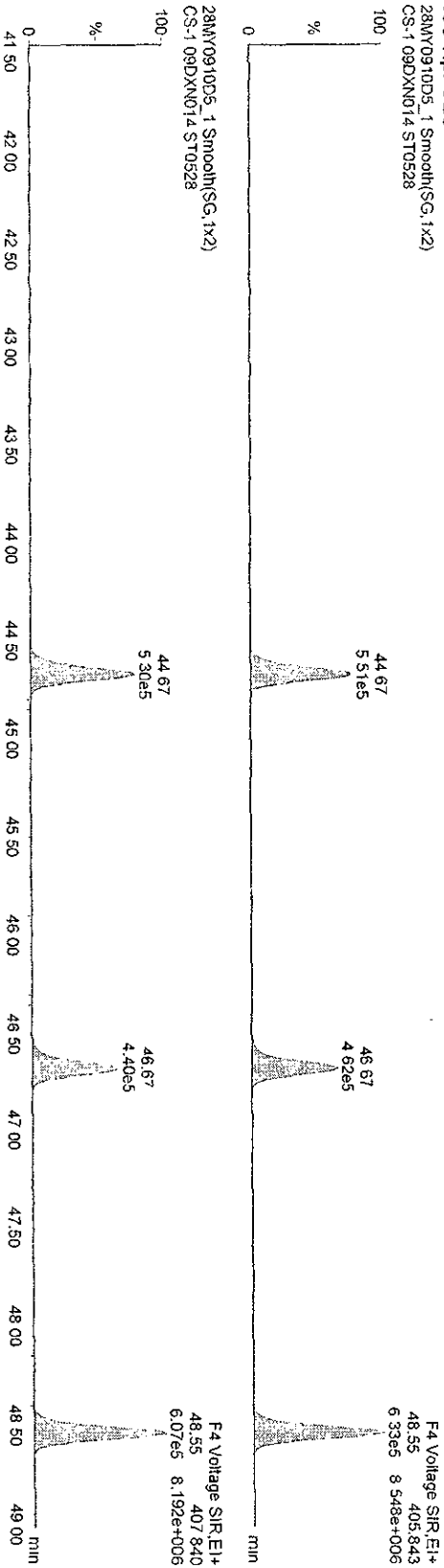
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1 09DXN014

HPPCBs



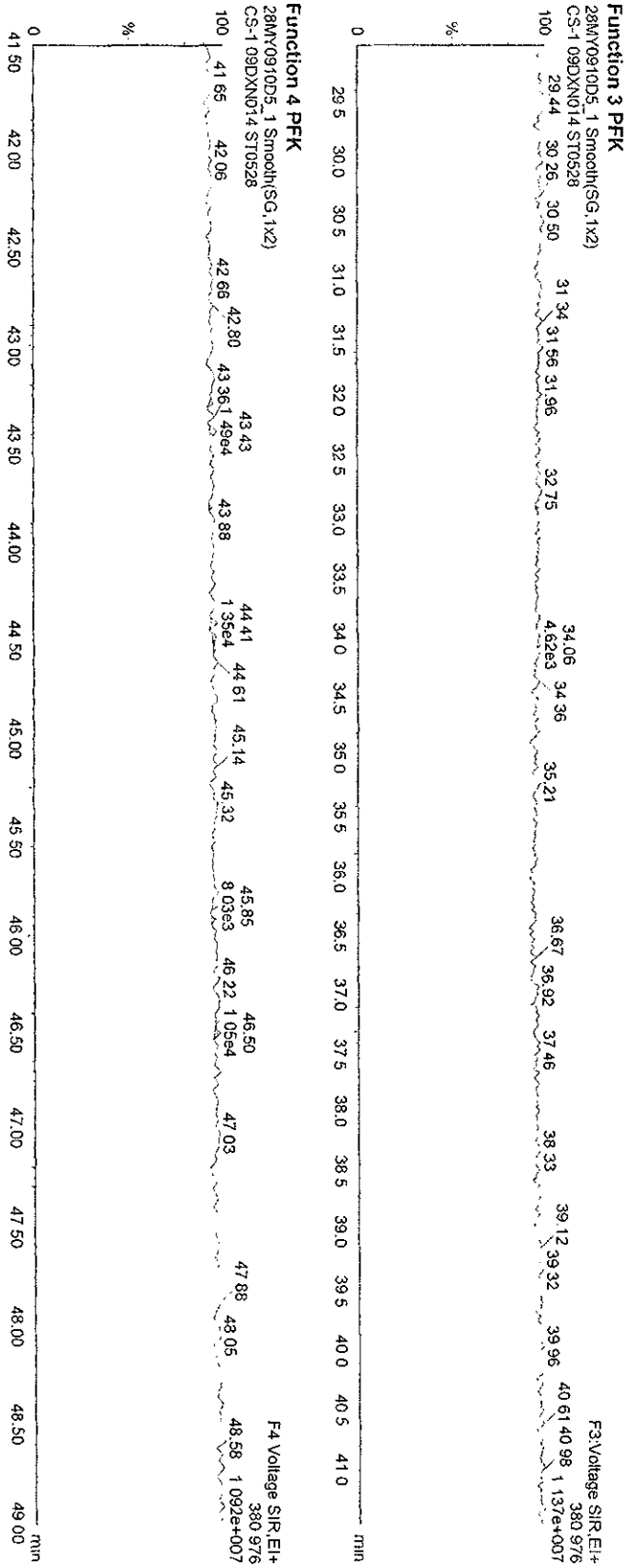
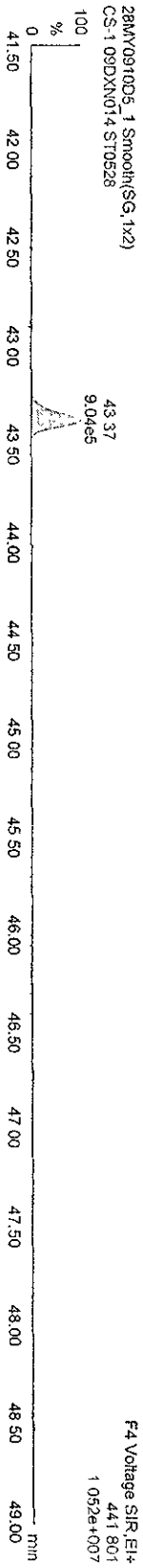
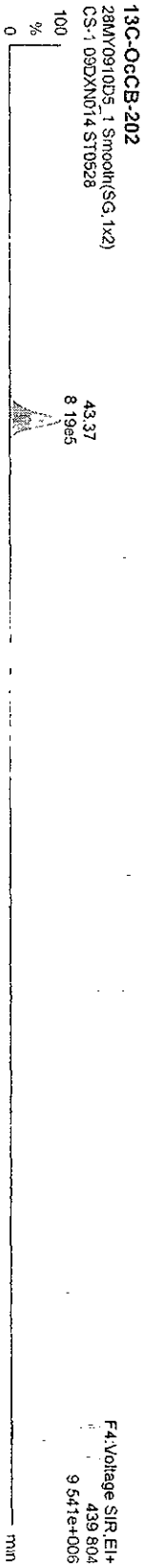
13C-HPPCBs



Dataset: C:\MassLynx\Default\pro\CA0528200910D51668MSL.qtd

Last Altered Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_1, Date: 28-May-2009, Time: 09:10:35, ID: ST0528, Description: CS-1 09DXND014

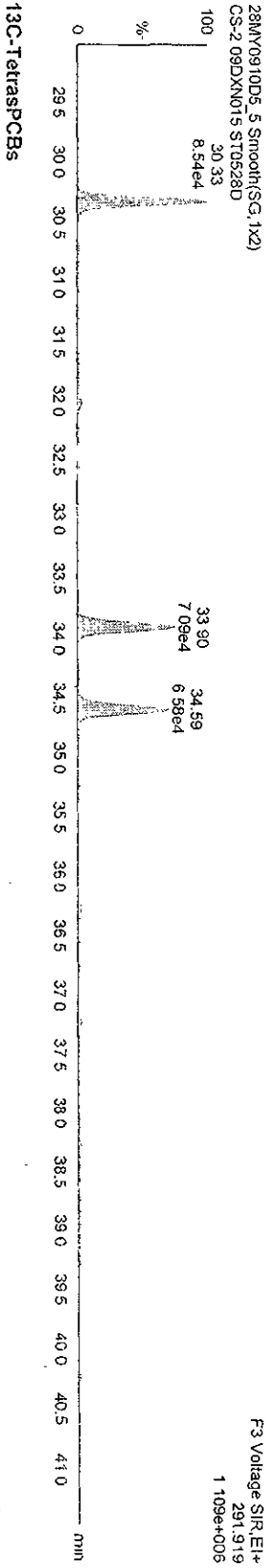
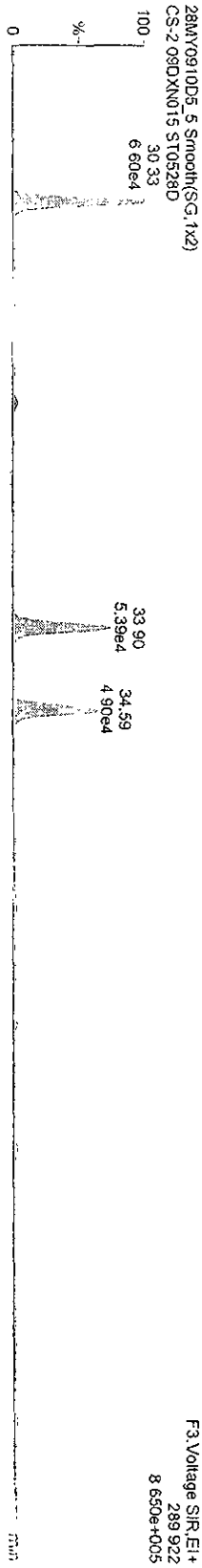


Dataset C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

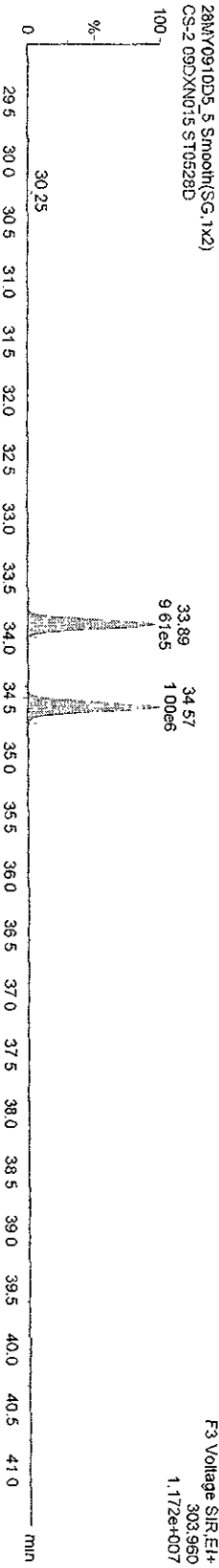
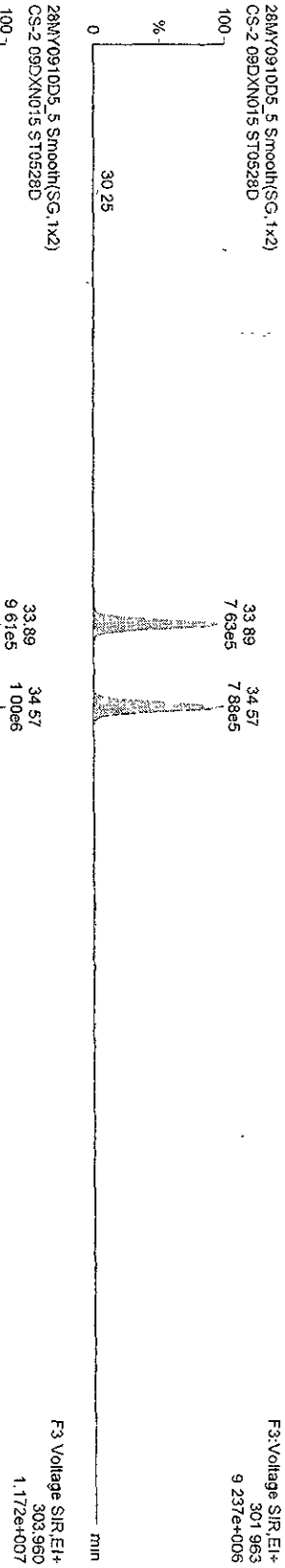
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2 09DXN015

TetraPCBs



13C-TetrasPCBs

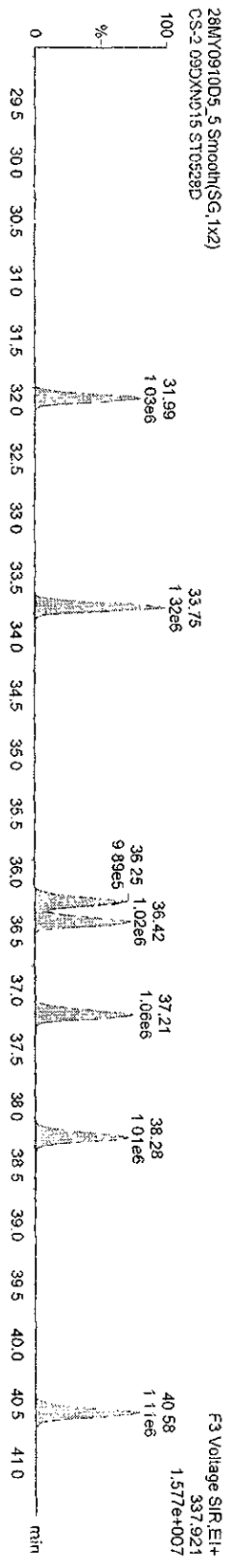
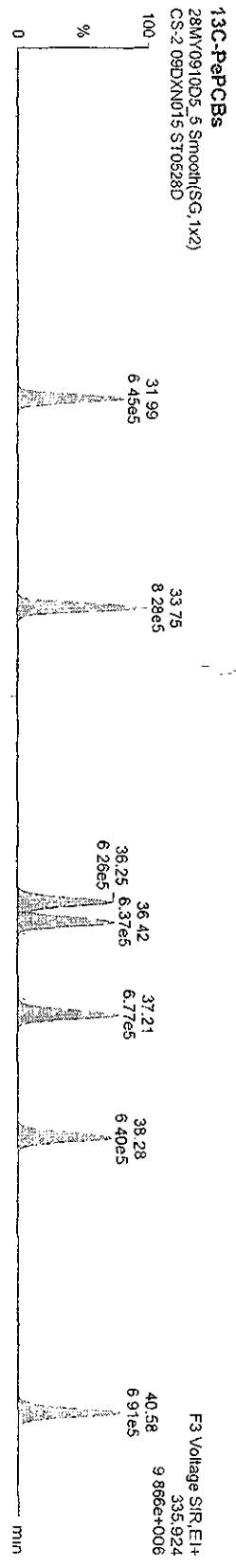
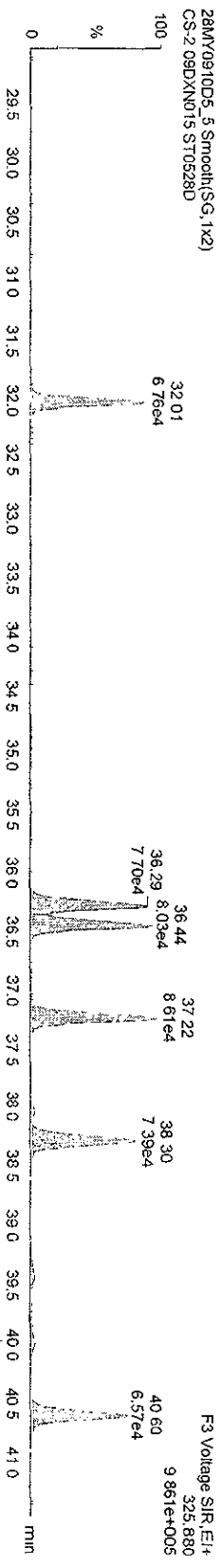
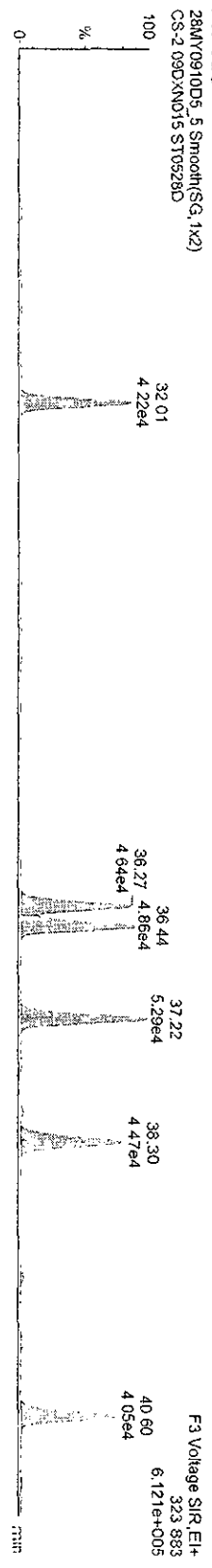


Dataset: C:\Masslynx\Default\prol\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2-09DXND15

PePCBs



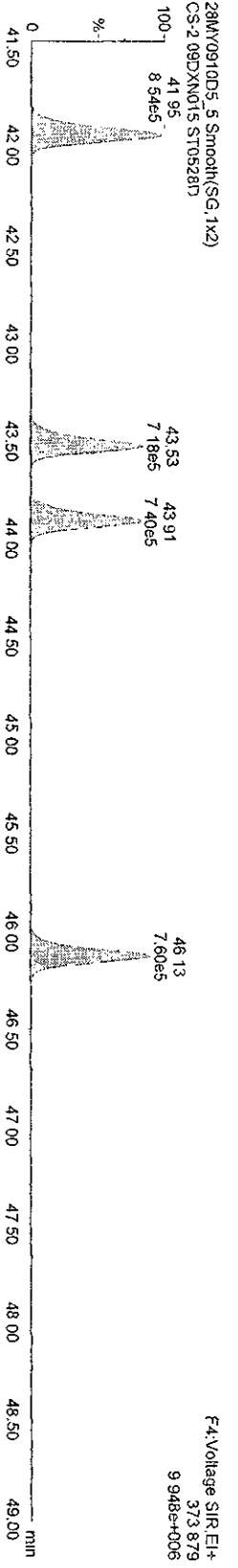
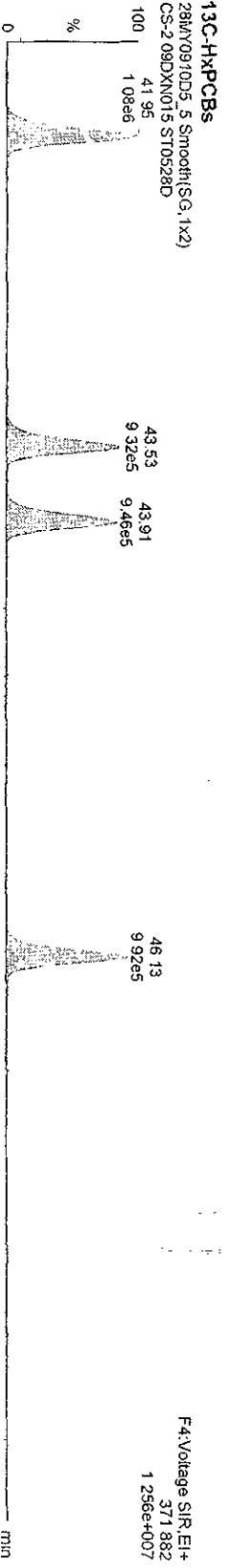
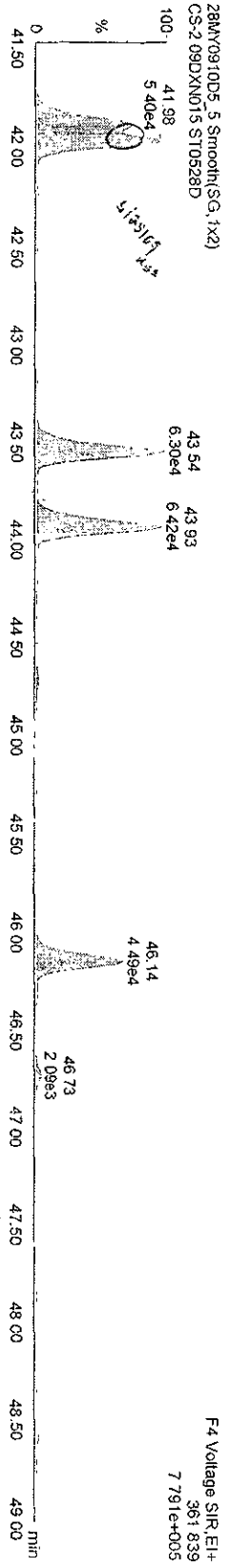
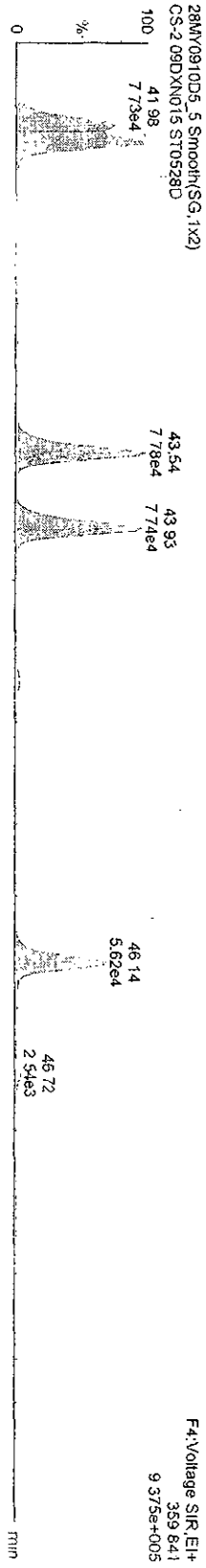


Dataset C:\MassLynx\Default\pro\CA0528200910D51668MSL.qld

Last Altered Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2-09DXN015

HXPCBS-



Dataset: C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 14:02:36 Pacific Daylight Time

Printed: Friday, May 29, 2009 14:12:28 Pacific Daylight Time

Method: C:\MassLynx\Default\prol\Methodb\1668MSL10DB5.mdb 22 May 2009 10:05:00

Calibration: 29 May 2009 14:02:36

Sample Name: 28MY0910D5\_5

28MY0910D5\_5 Smooth(SG, 1x2)

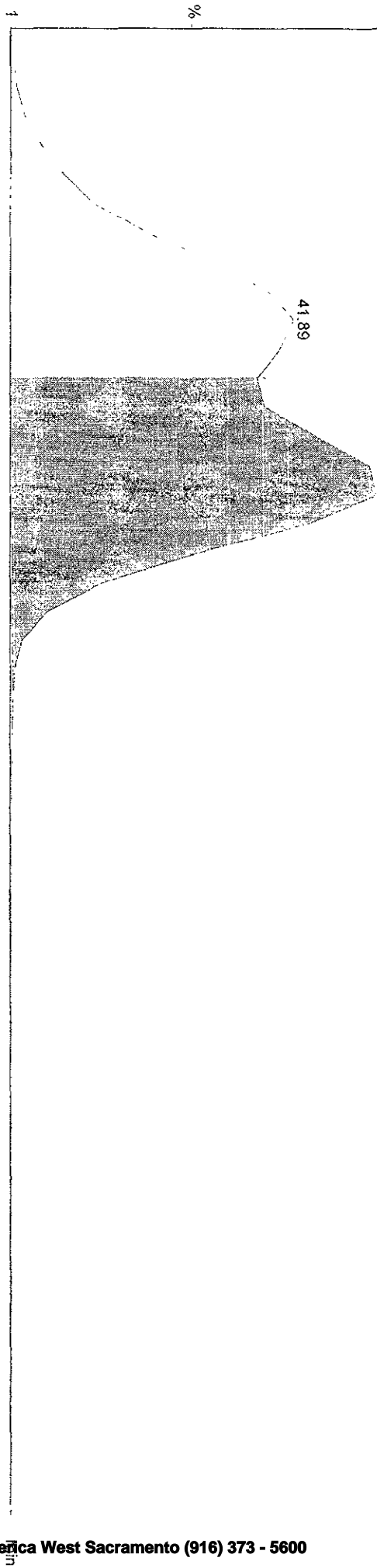
CS-2-09DXN015 ST0528D

HXCB-167.41.98.77292.900129.db

F4:Voltage SIR\_EI+

359.841

9.140e+005



28MY0910D5\_5 Smooth(SG, 1x2)

CS-2-09DXN015 ST0528D

HXCB-167.41.98.61453.720614.MM

F4:Voltage SIR\_EI+

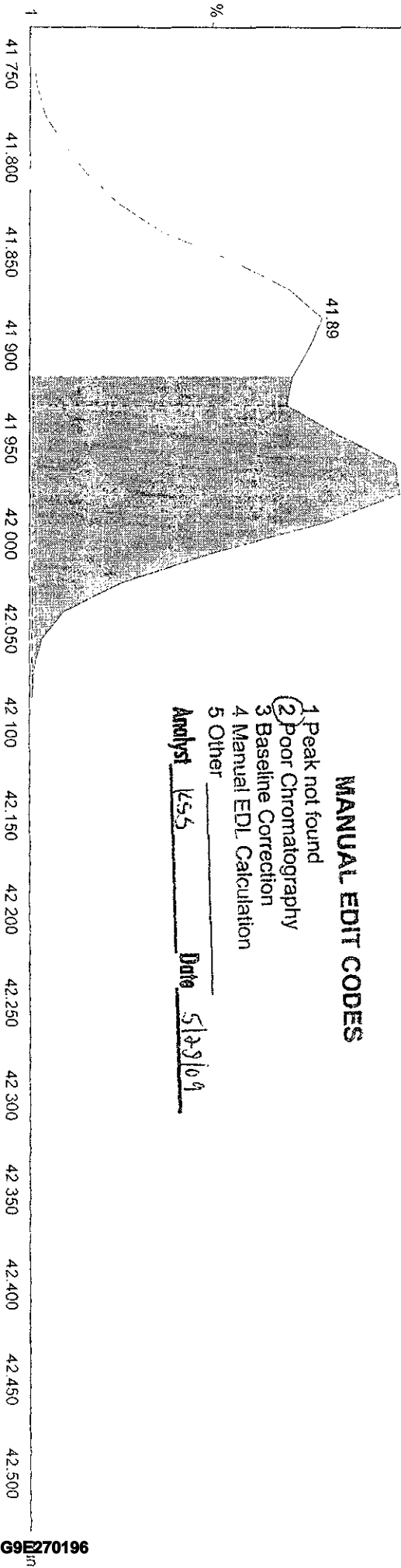
361.889

7.366e+005

MANUAL EDIT CODES

- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst ks5 Date 5/29/09

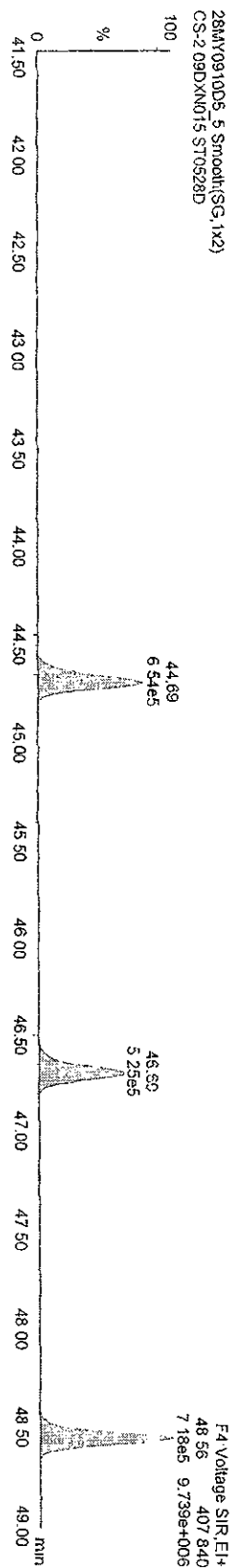
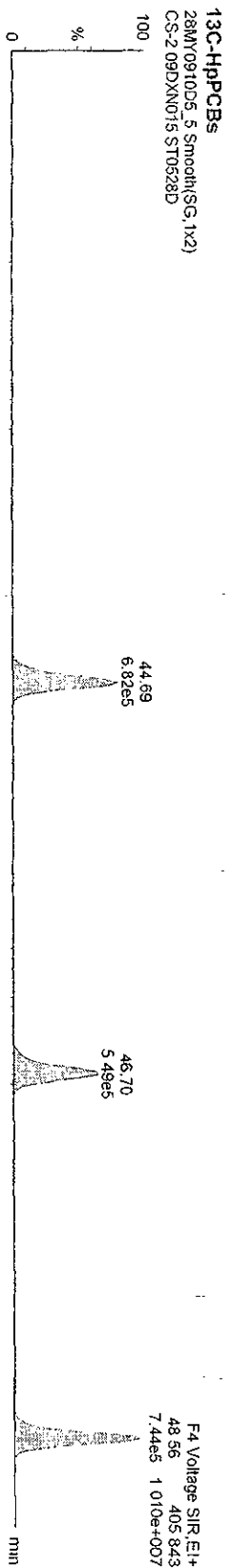
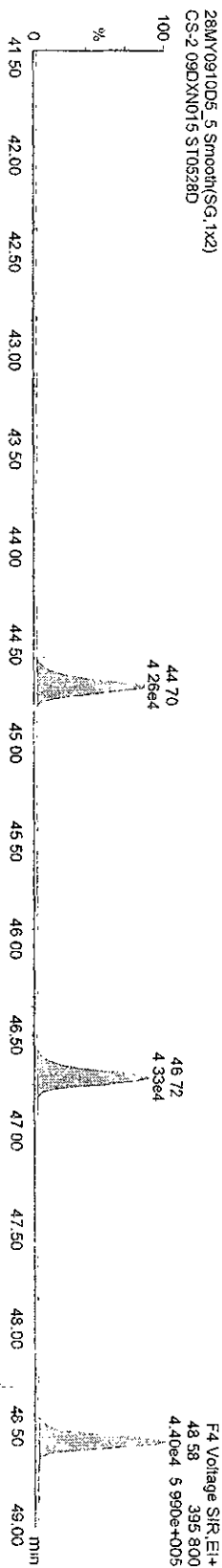
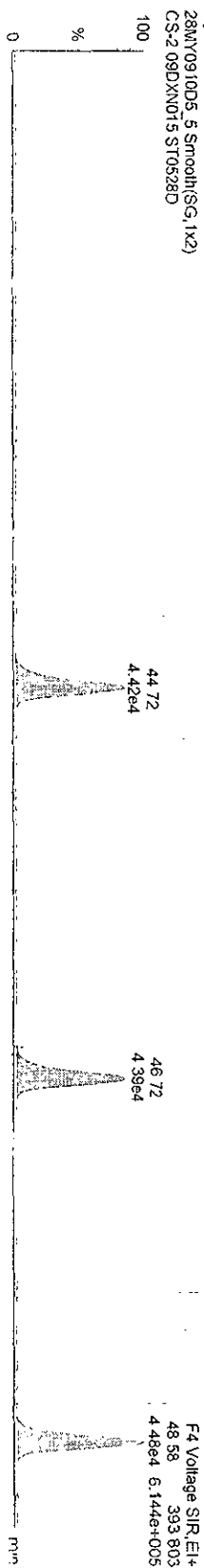


Dataset: C:\MassLynx\Default.pro\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
 Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2 09DXN015

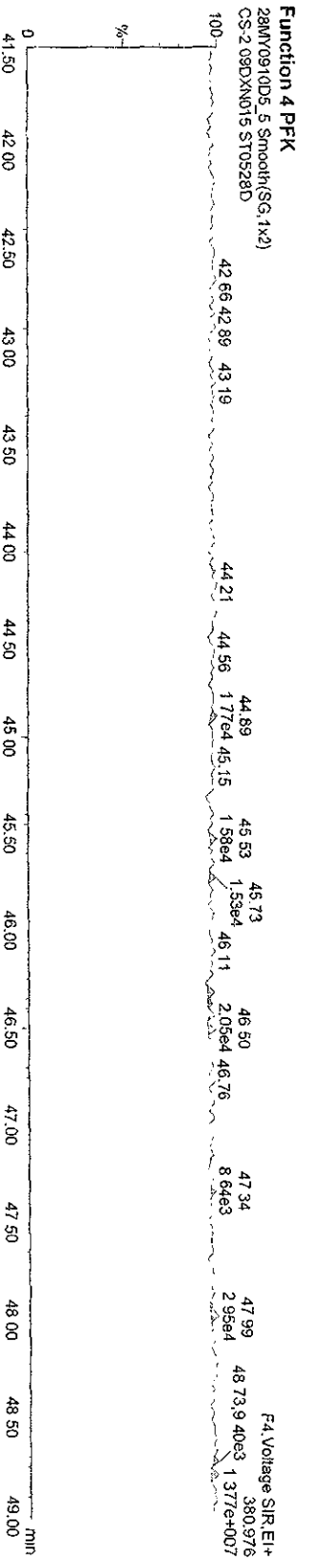
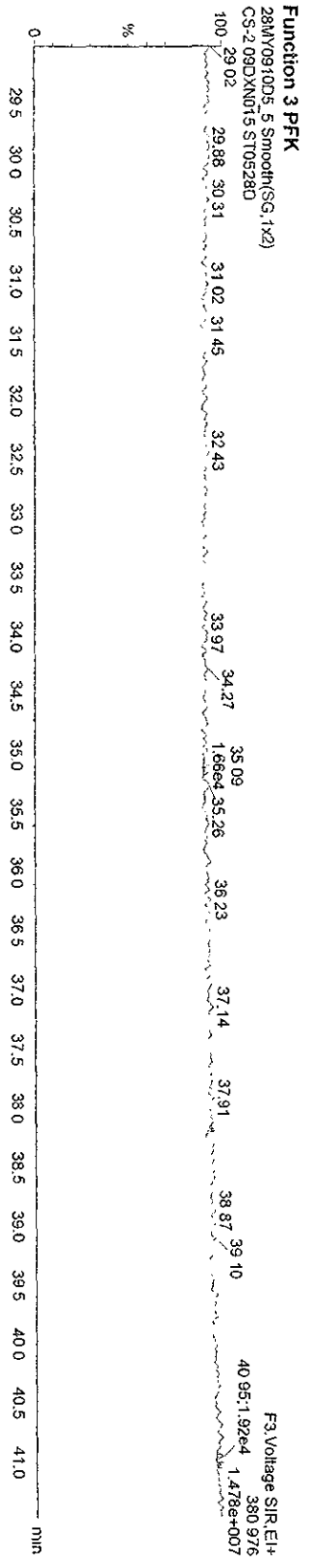
**HPPCBs**



Dataset C:\Masslynx\Default\proj\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_5, Date: 28-May-2009, Time: 13:07:39, ID: ST0528D, Description: CS-2 09DXN015

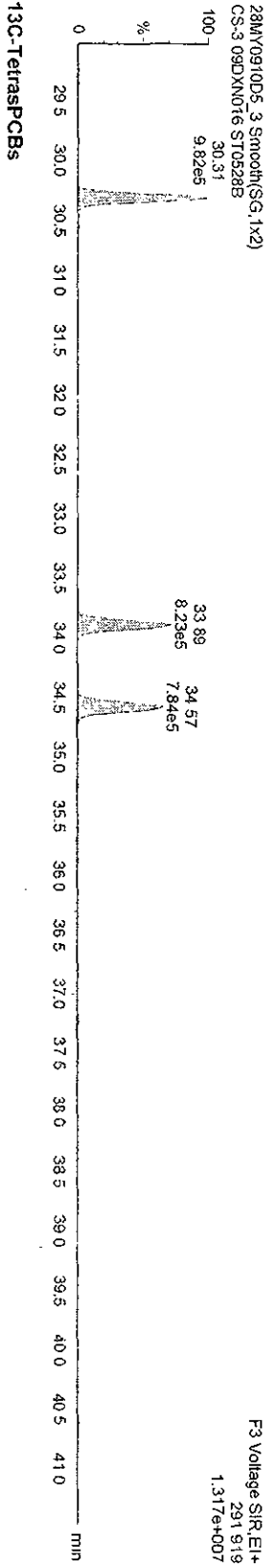
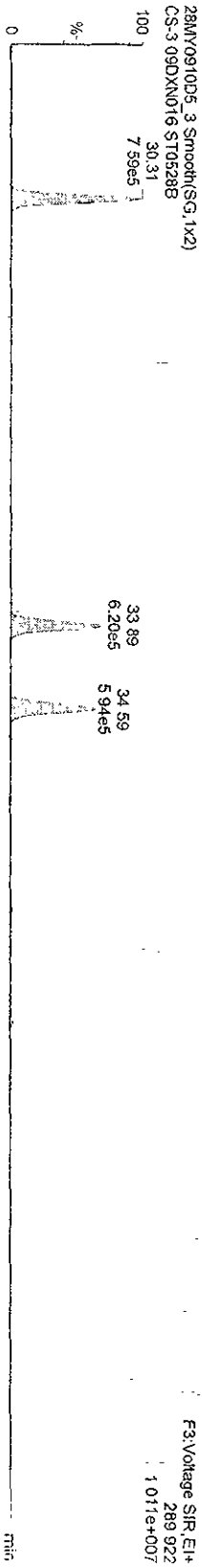


Dataset C:\MassLynx\Default\proj\CA05282\0910D51668MSL.qld

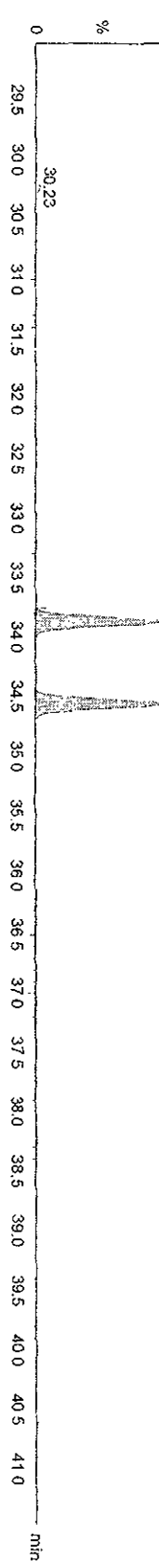
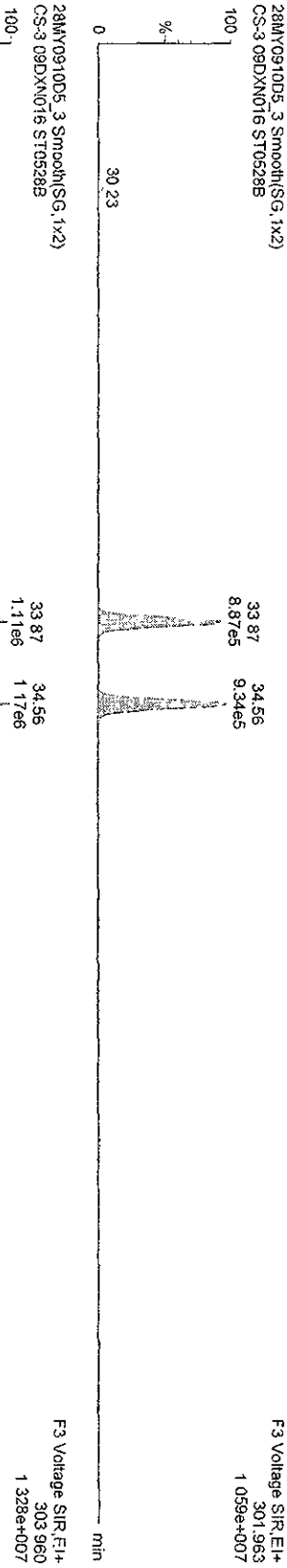
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_3, Date: 28-May-2009, Time: 11:05:48, ID: ST0528B, Description: CS-3-09DXN016

**TetraPCBs**



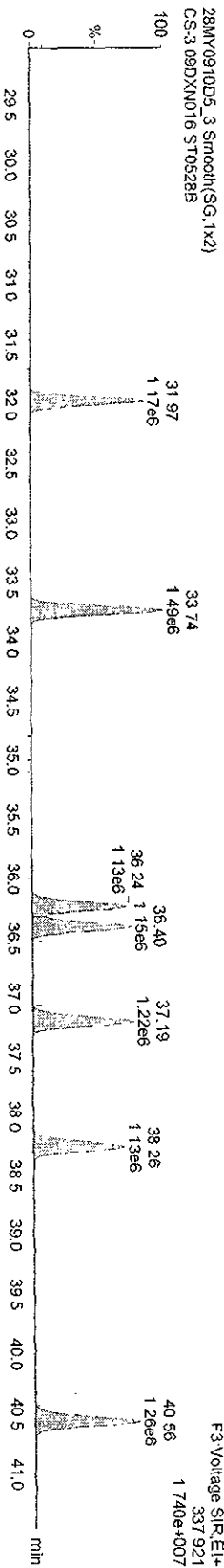
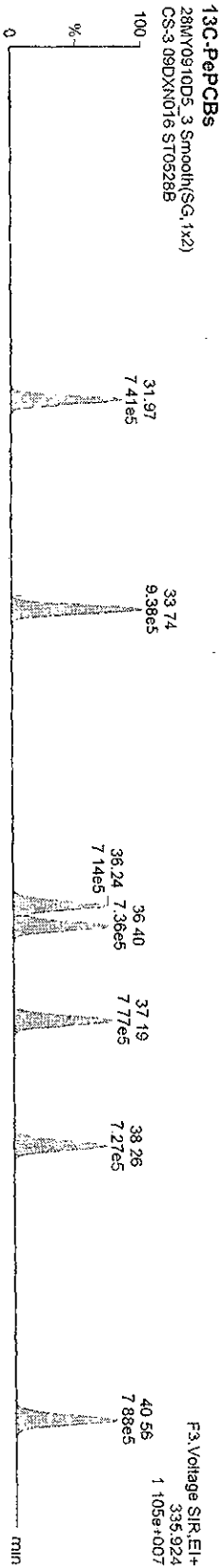
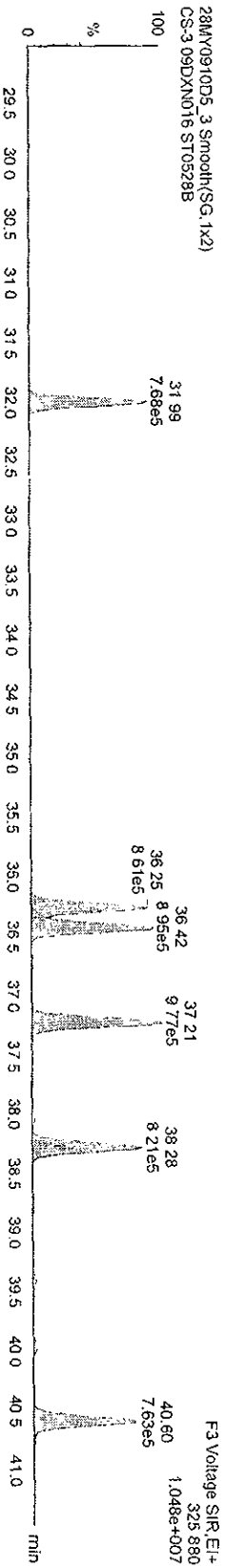
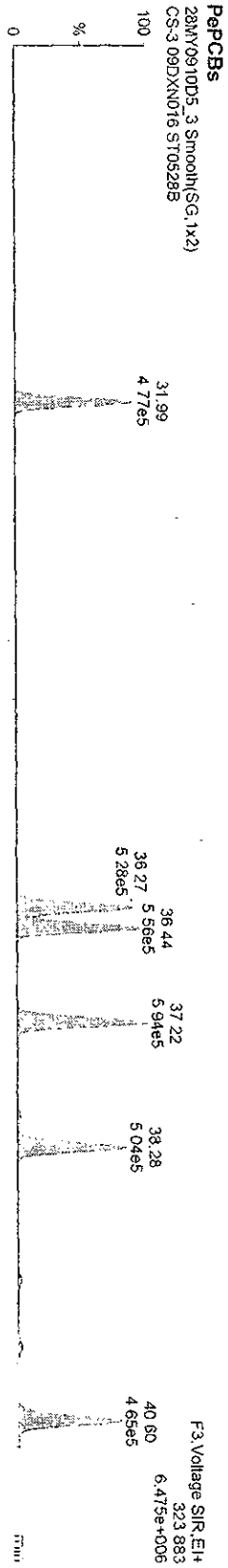
**13C-TetrasPCBs**



Dataset: C:\MassLynx\Default\proj\CA0528200910D51688MSL.qid

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_3, Date: 28-May-2009, Time: 11:05:48, ID: ST0528B, Description: CS-3-09DXN016

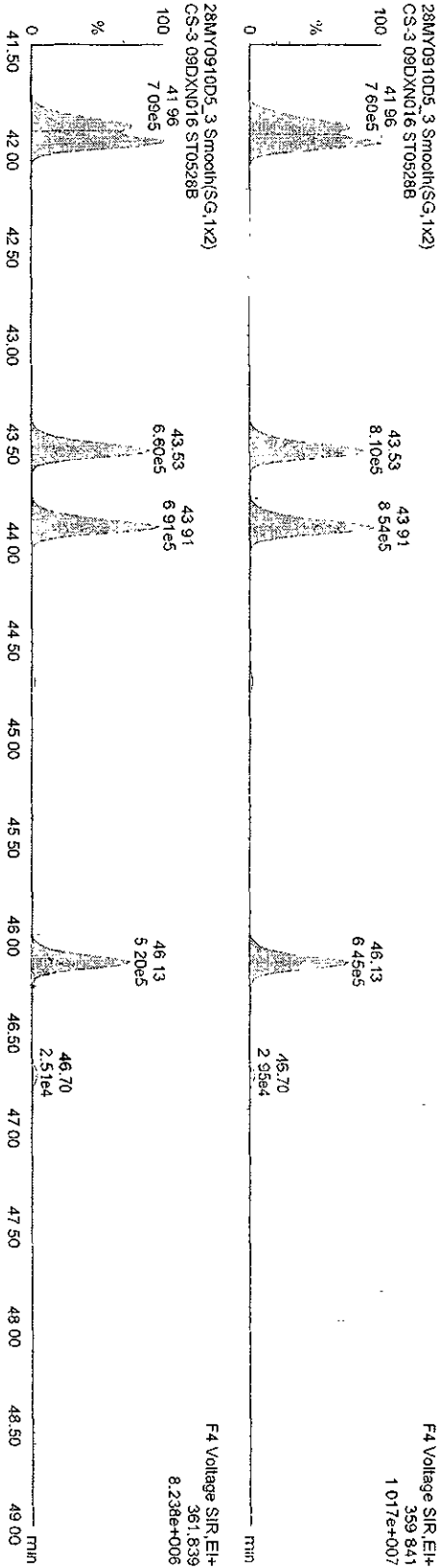


Dataset: C:\MassLynx\Default\pro\CA0528200910D51668MSL.qtd

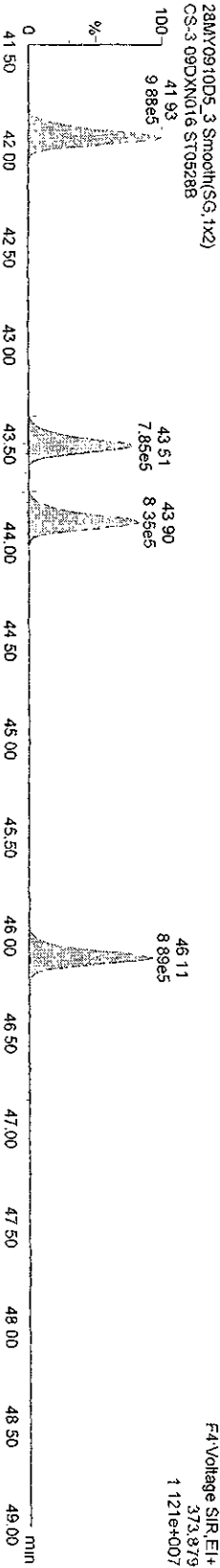
Last Altered Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MW0910D5\_3, Date: 28-May-2009, Time: 11:05:48, ID: ST0528B, Description: CS-3 09DXN016

HxPCBs-



13C-HxPCBs



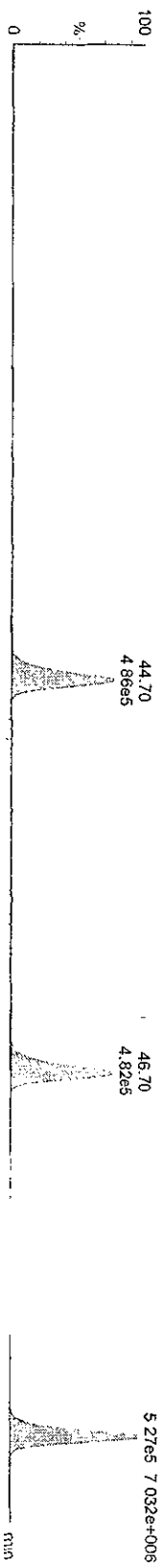
Dataset C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

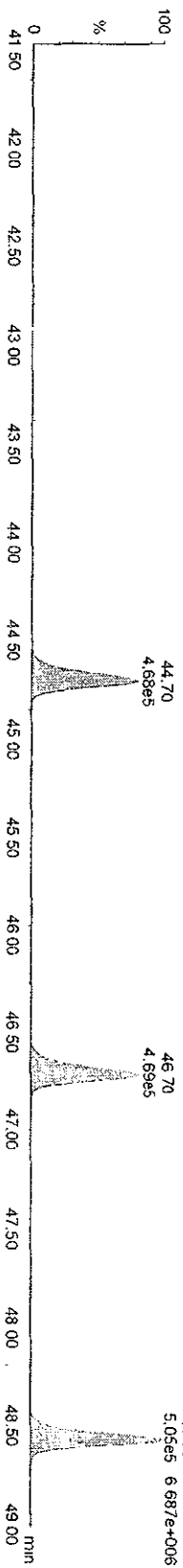
Name: 28MY0910D5\_3, Date: 28-May-2009, Time: 11:05:48, ID: ST0528B, Description: CS-3 09DXN016

HpPCBs

28MY0910D5\_3 Smooth(SG,1x2)  
CS-3 09DXN016 ST0528B

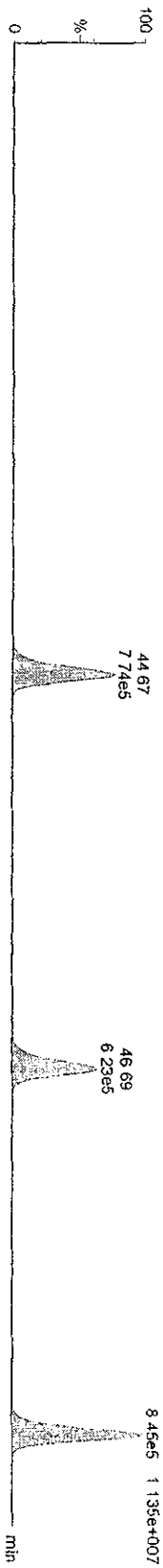


28MY0910D5\_3 Smooth(SG,1x2)  
CS-3 09DXN016 ST0528B

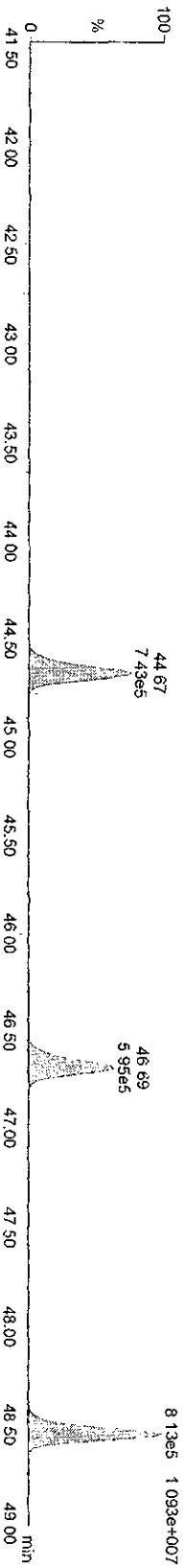


13C-HpPCBs

28MY0910D5\_3 Smooth(SG,1x2)  
CS-3 09DXN016 ST0528B



28MY0910D5\_3 Smooth(SG,1x2)  
CS-3 09DXN016 ST0528B

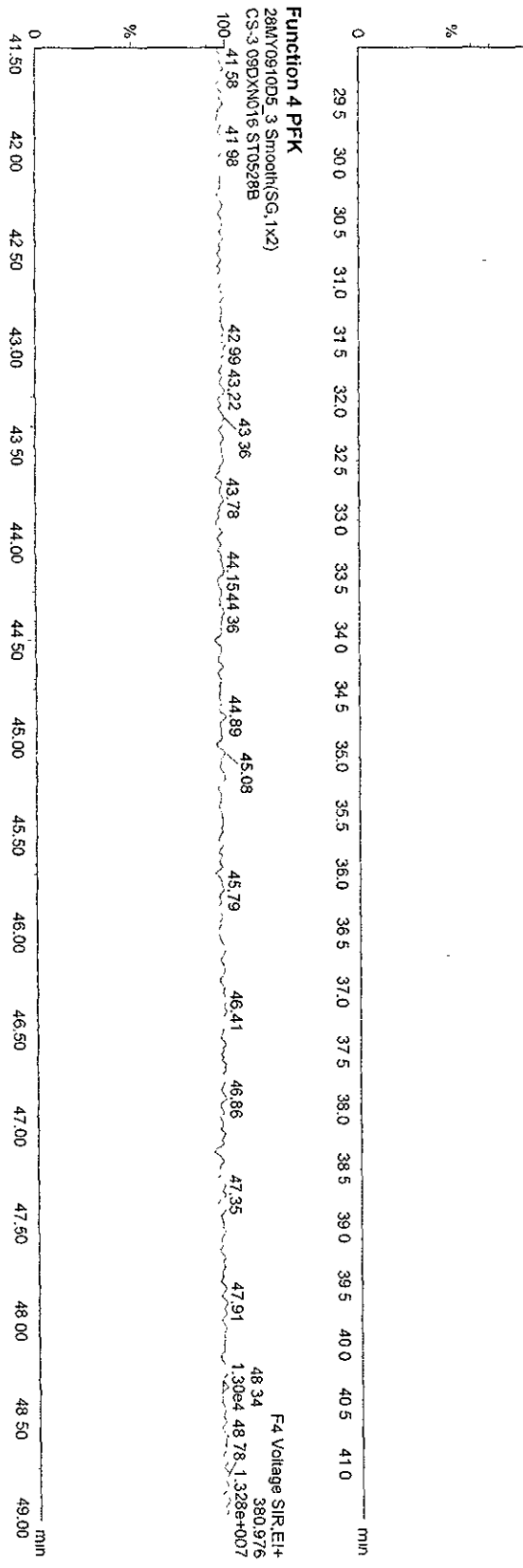
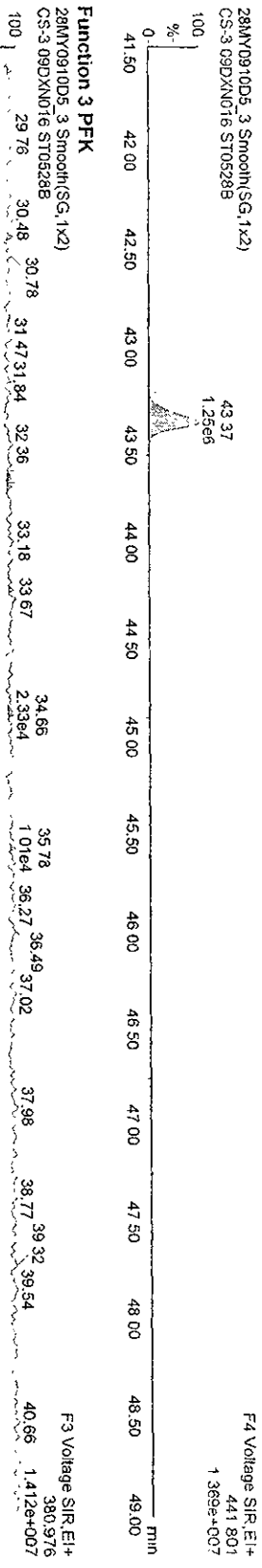
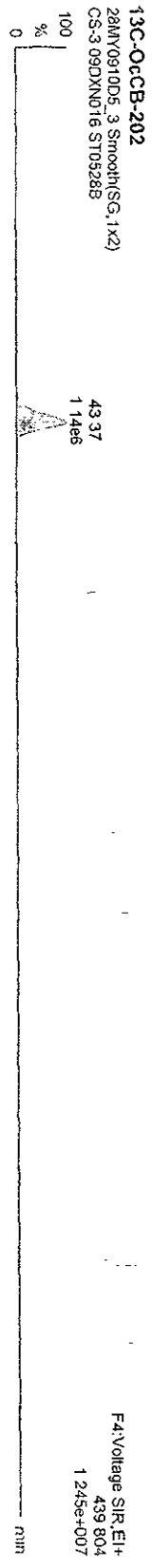




Dataset C:\MassLynx\Default.pro\ICAO528200910D51668MSL.qld

Last Altered Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_3, Date: 28-May-2009, Time: 11:05:48, ID: ST0528B, Description: CS-3 09DXN016



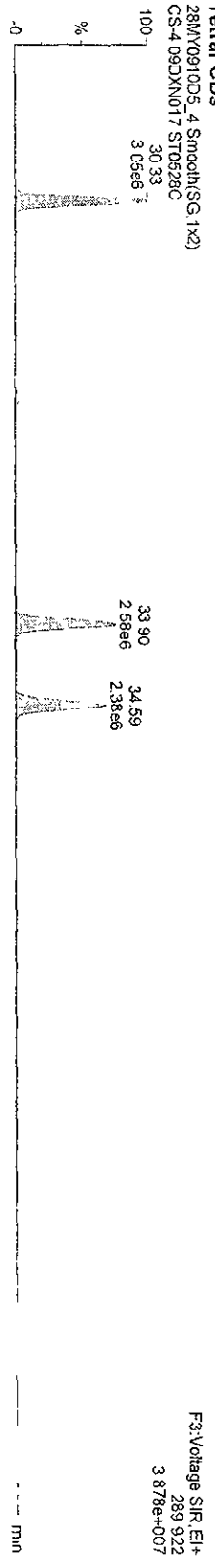
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Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time

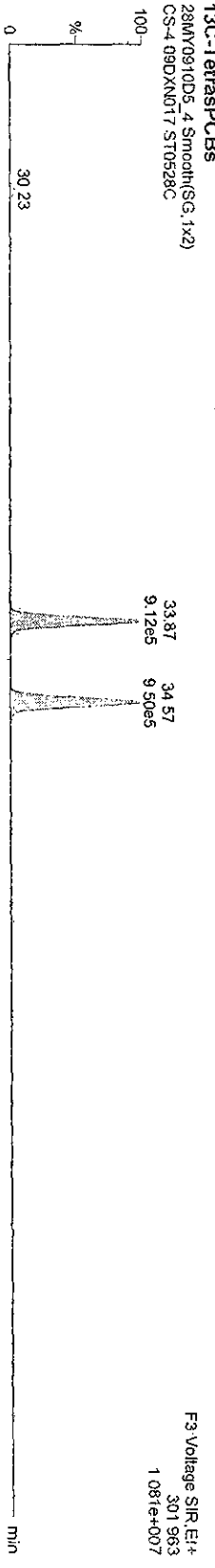
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_4, Date: 28-May-2009, Time: 12:01:57, ID: ST0528C, Description: CS-4 09DXN017

TetraPCBs



13C-TetrastPCBs



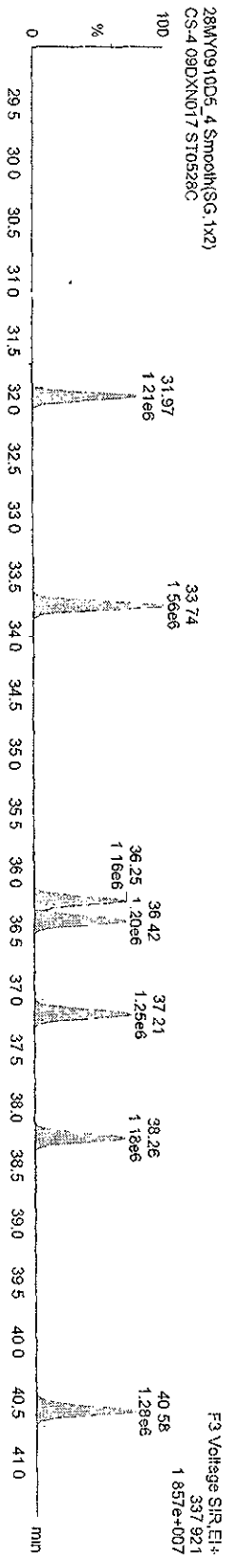
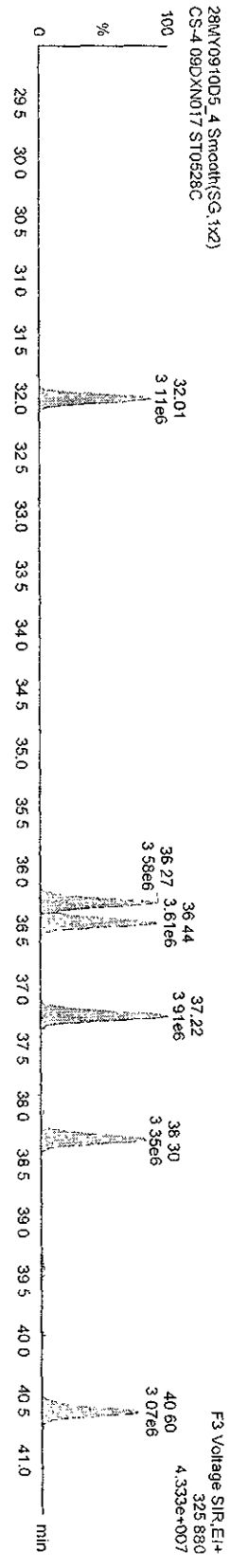
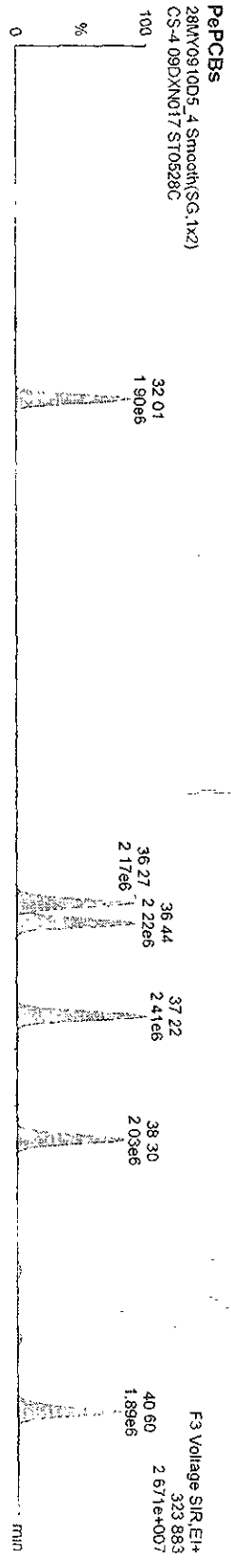
28MY0910D5\_4 Smooth(SG, 1x2)



Dataset: C:\MassLynx\Default\prof\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

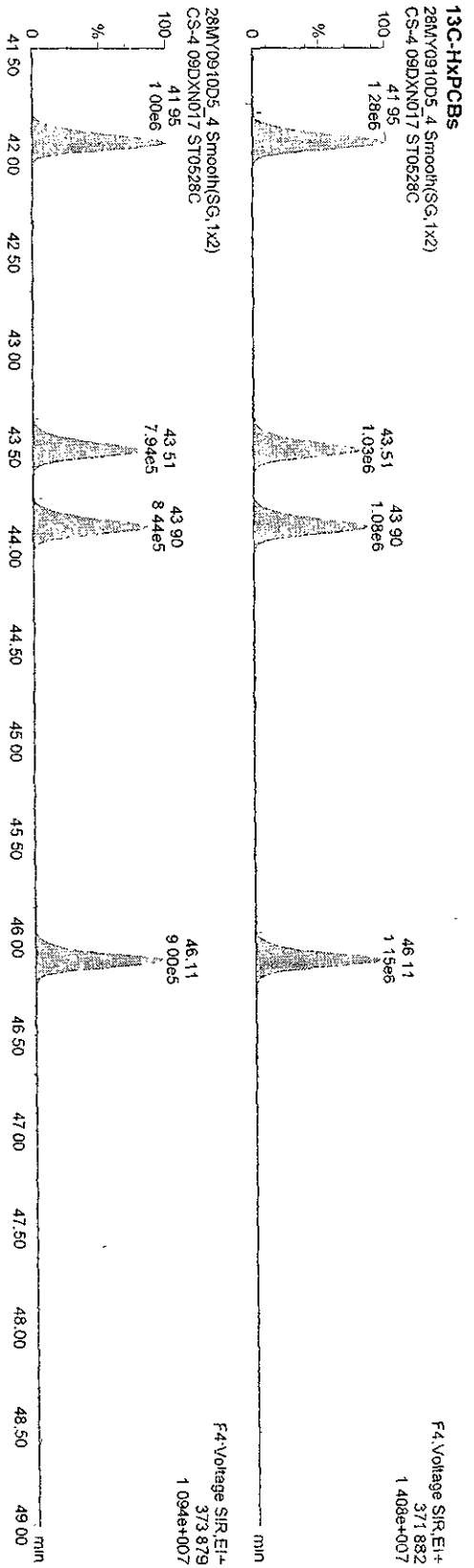
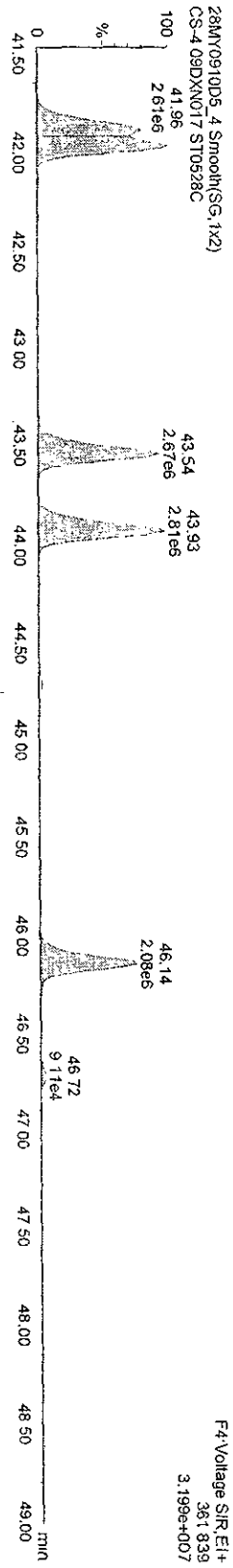
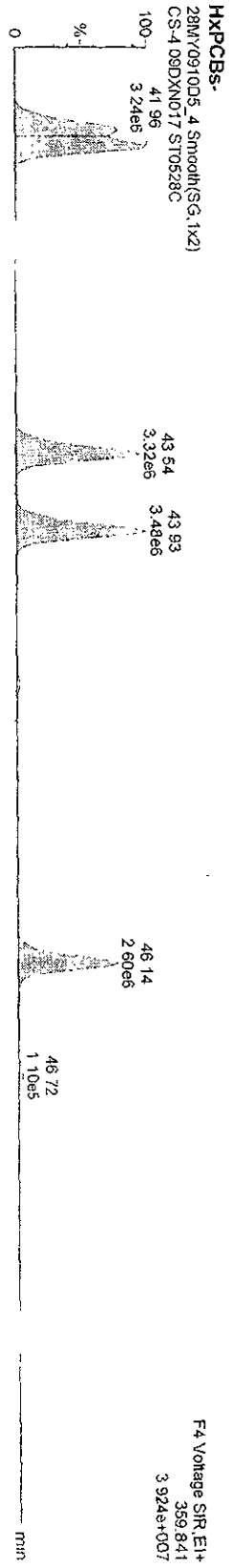
Name: 28MW0910D5\_4, Date: 28-May-2009, Time: 12:01:57, ID: ST0528C, Description: CS-4 09DXN017



Dataset C:\MassLynx\Default pro\CA0528200910D51668MSL.qid

Last Altered Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28M\Y0910D5\_4, Date: 28-May-2009, Time: 12:01:57, ID: ST0528C, Description: CS-4 09DXN017

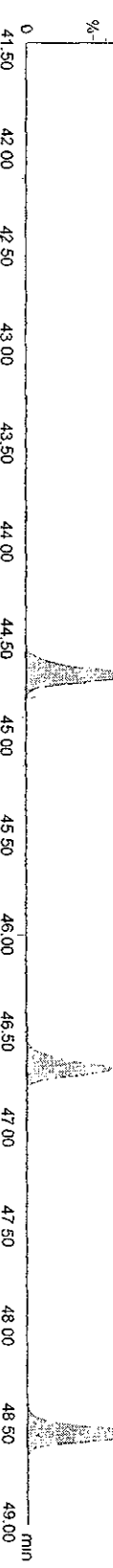
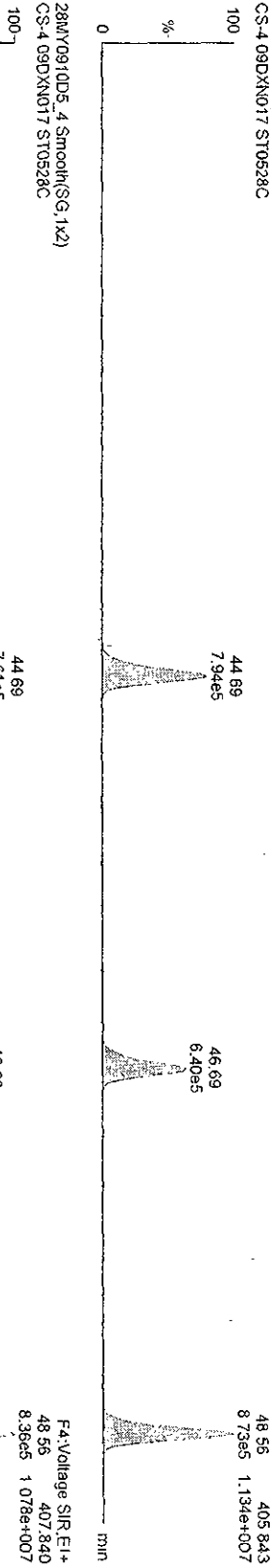
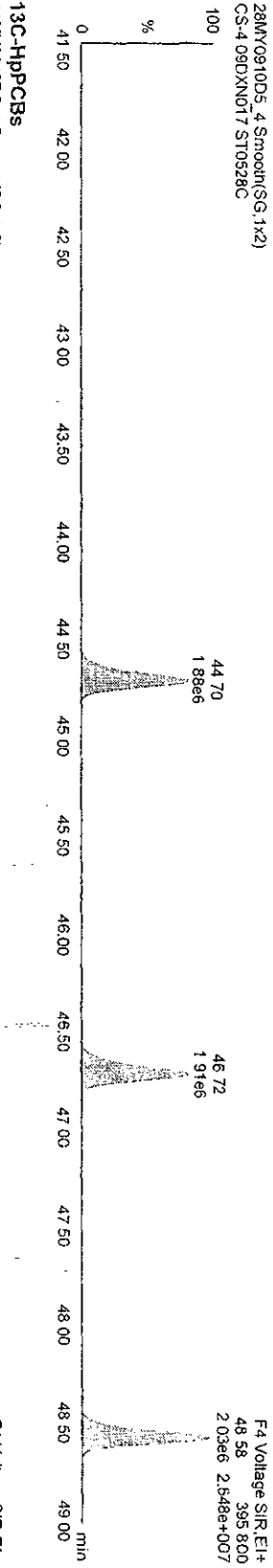
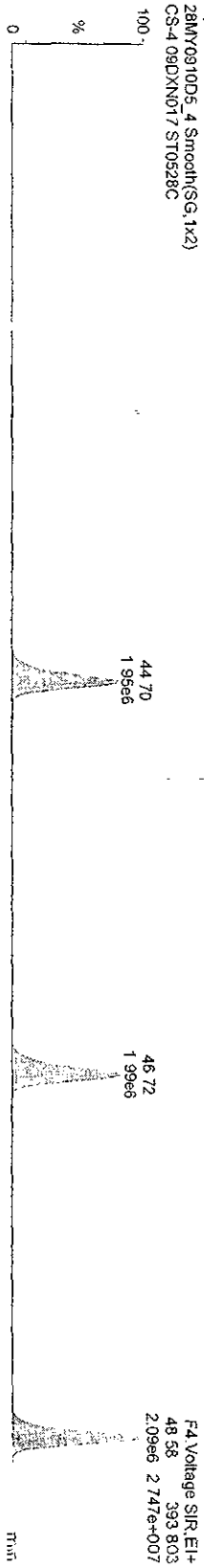


Dataset C:\MassLynx\Default\prol\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_4, Date: 28-May-2009, Time: 12:01:57, ID: ST0528C, Description: CS-4 09DXN017

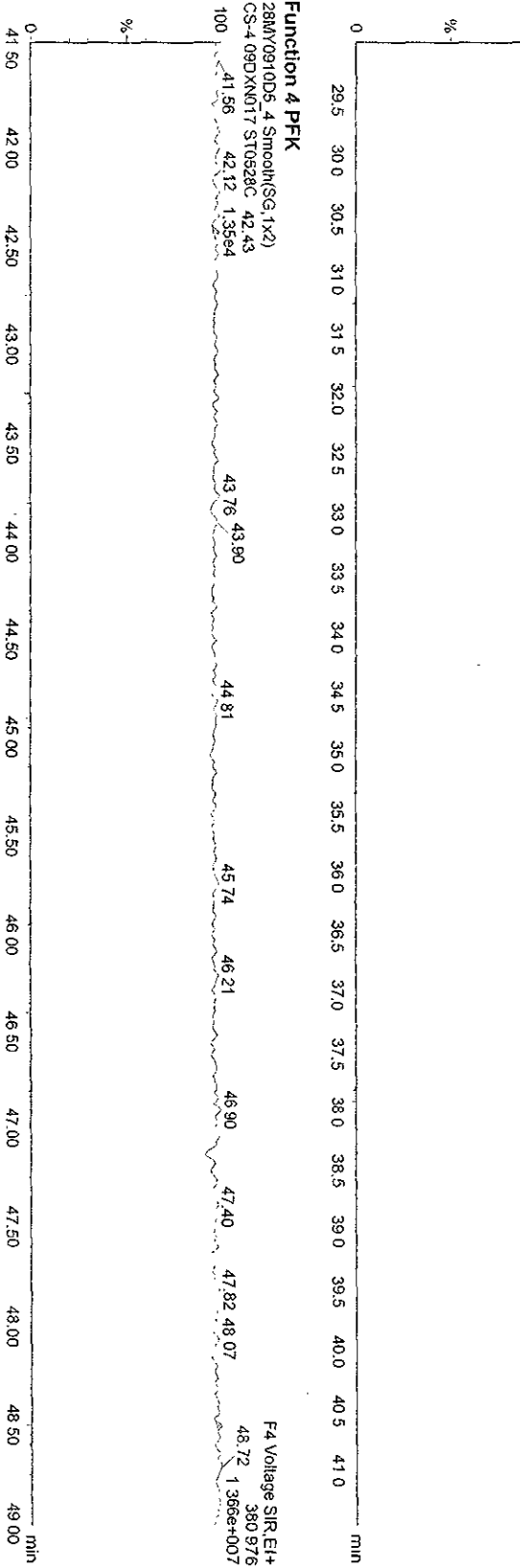
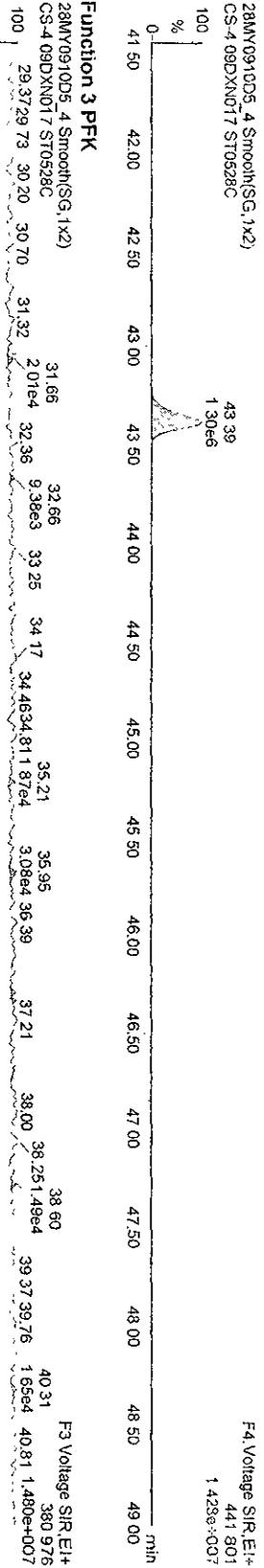
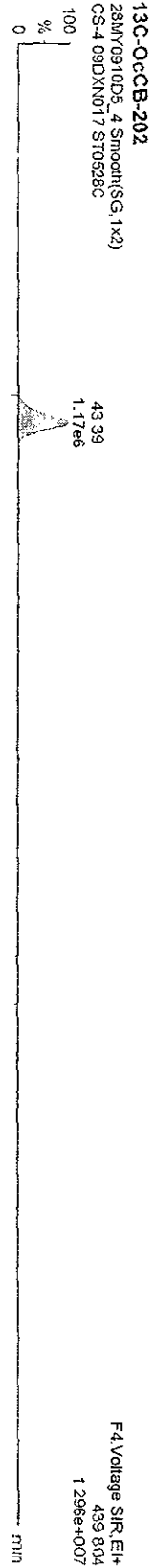
HPPCBs



Dataset: C:\Masslynx\Default\prol\CA05282009\10D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

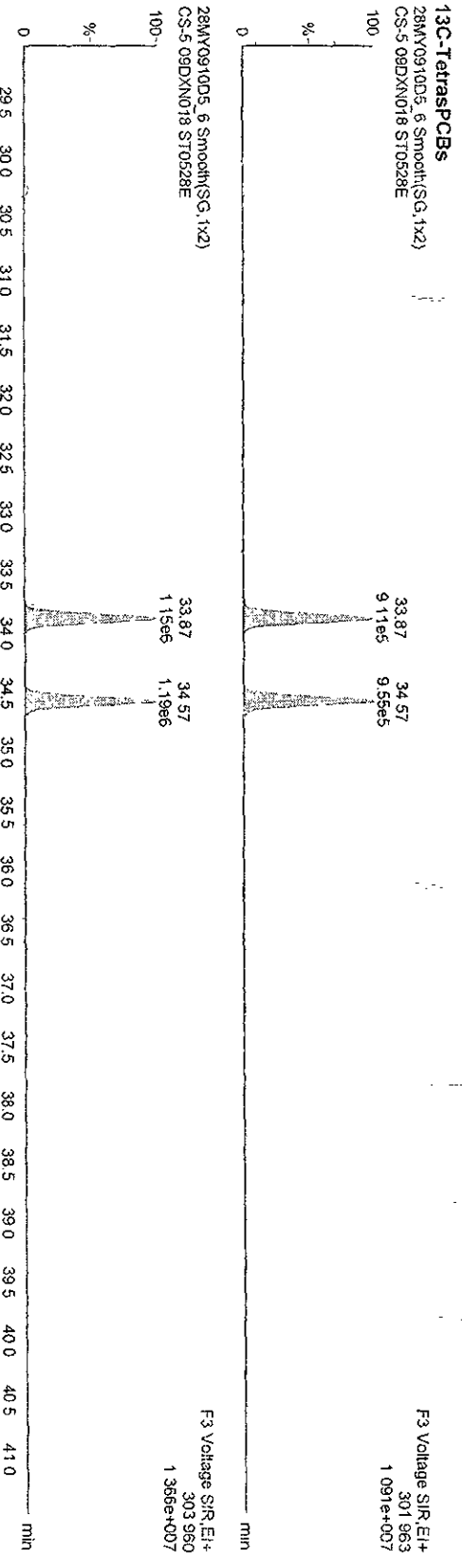
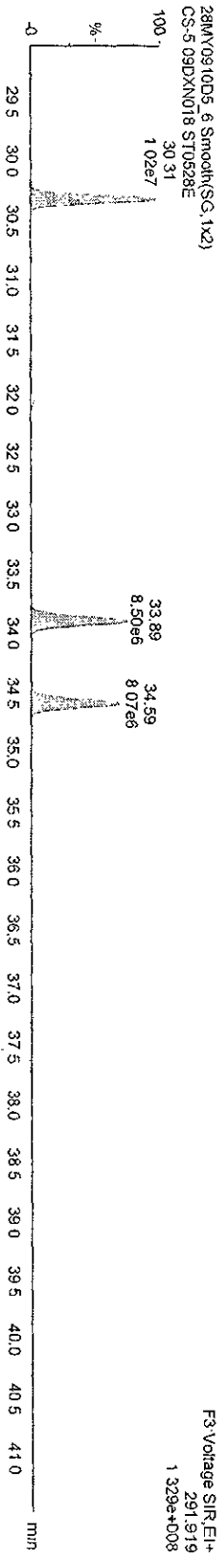
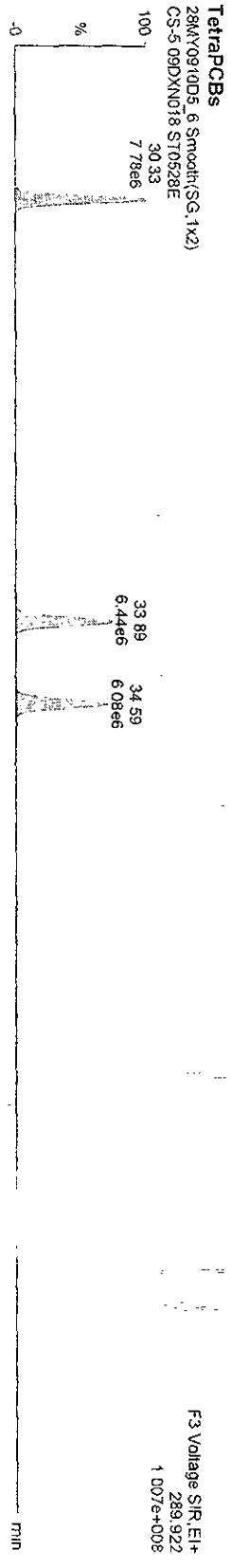
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Dataset: C:\MassLynx\Default\pro1\CA0528200910D51668MSL.qtd

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
 Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MW0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST10528E, Description: CS-5 09DXN018

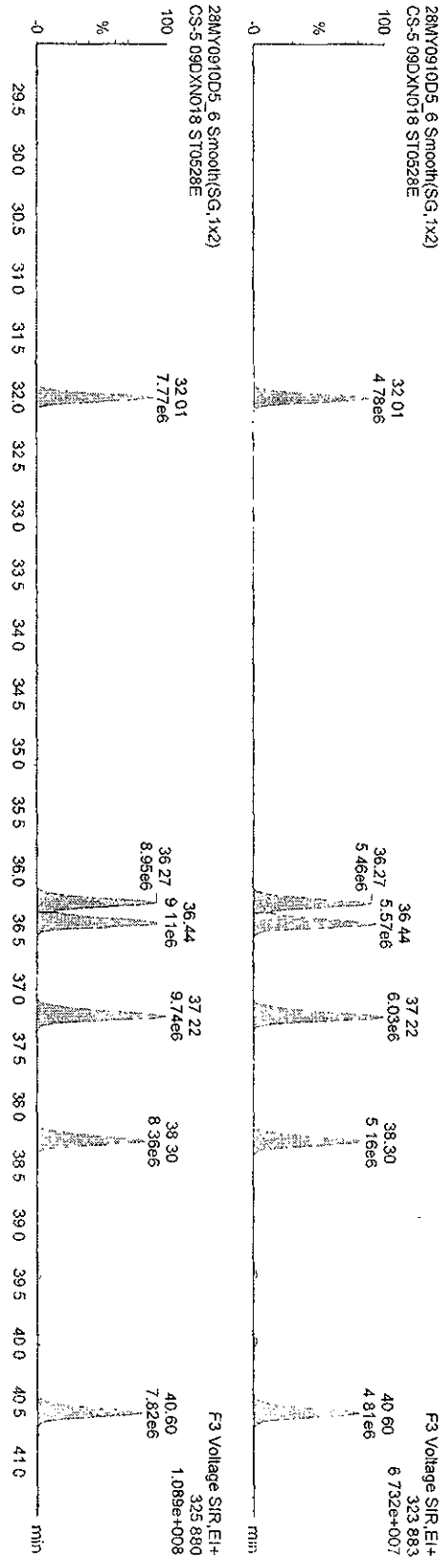


Dataset: C:\Masslynx\Default\proj\CA0528200910D51668MSL.qld

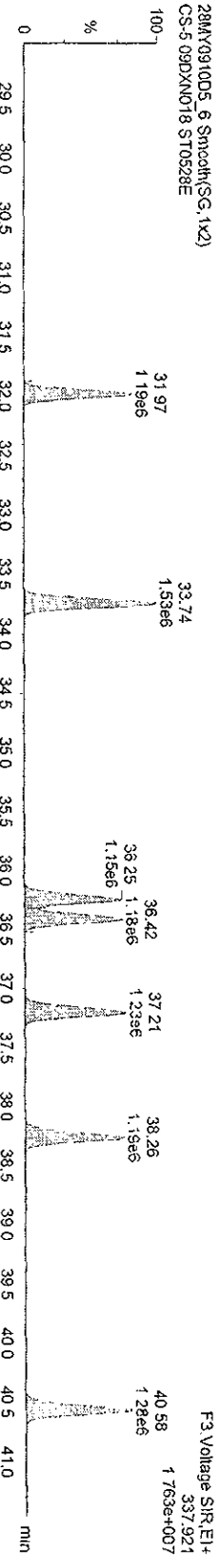
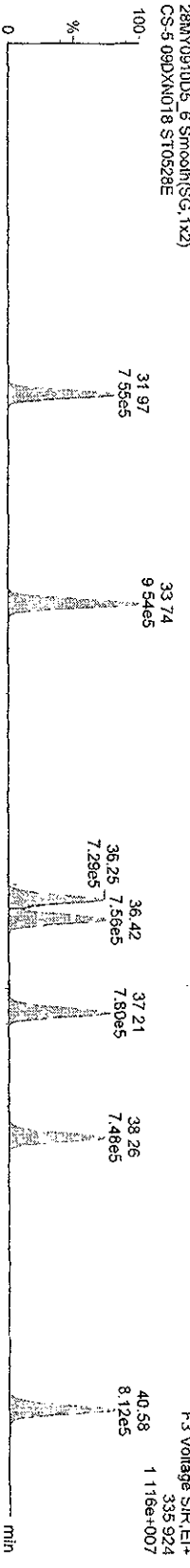
Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
 Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST0528E, Description: CS-5-09DXN018

**PePCBs**



**13C-PePCBs**

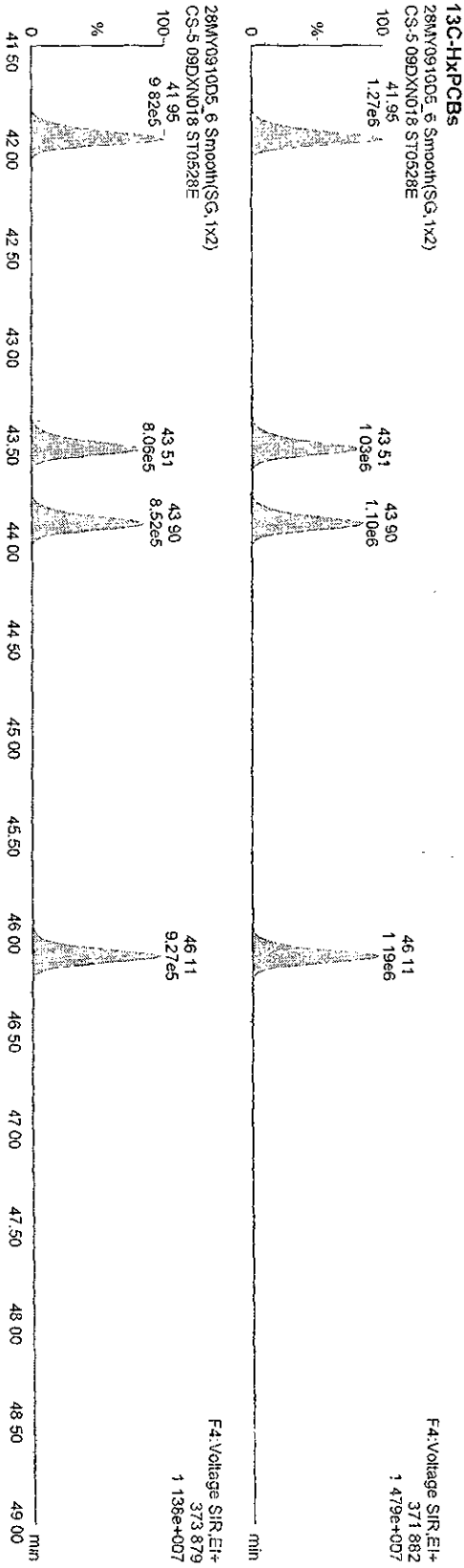
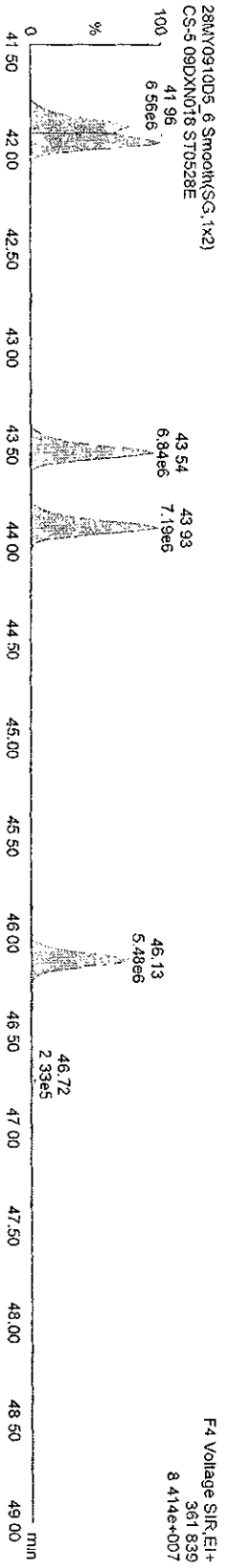
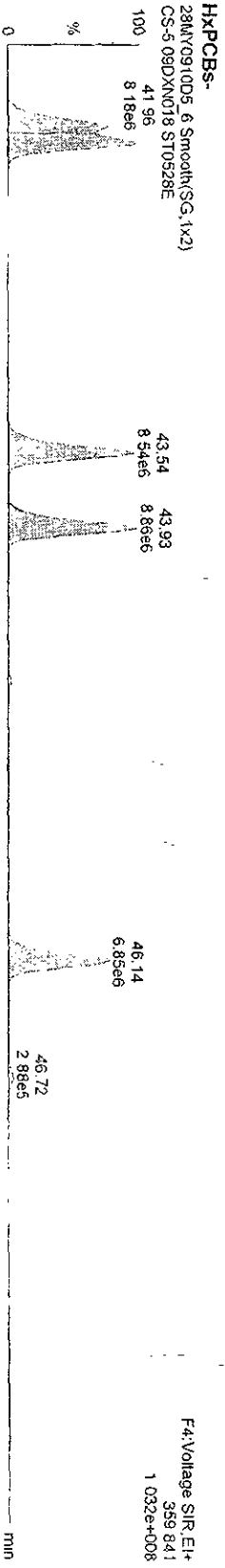




Dataset: C:\MassLynx\Default pro\CA0528200910D51668MSL.qld

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MW0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST0528E, Description: CS-5-09DXN018

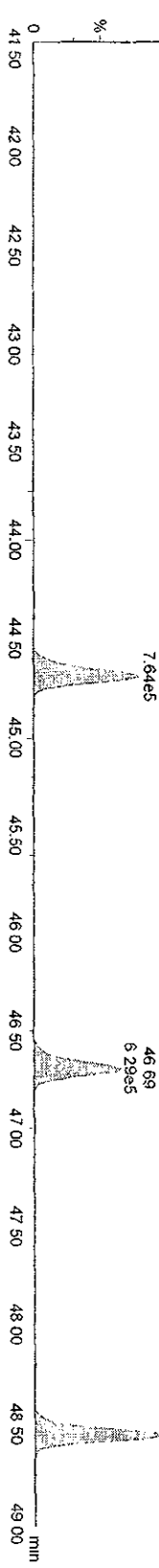
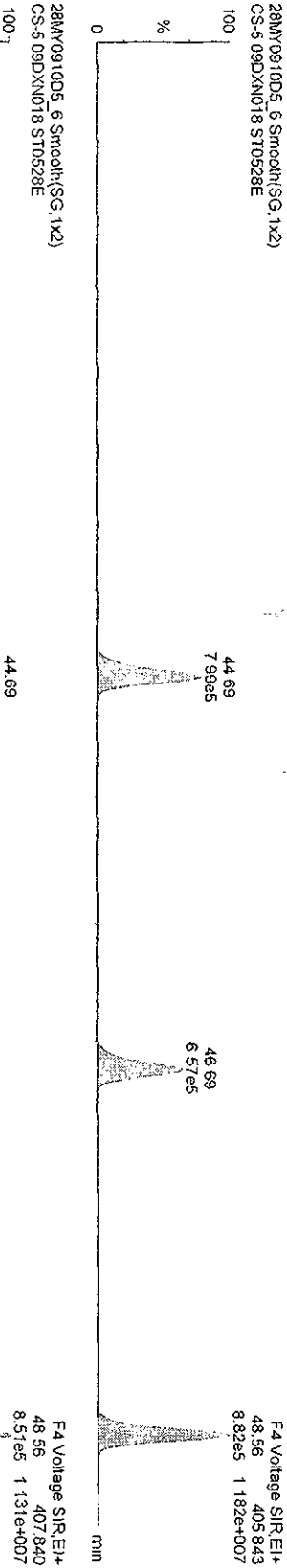
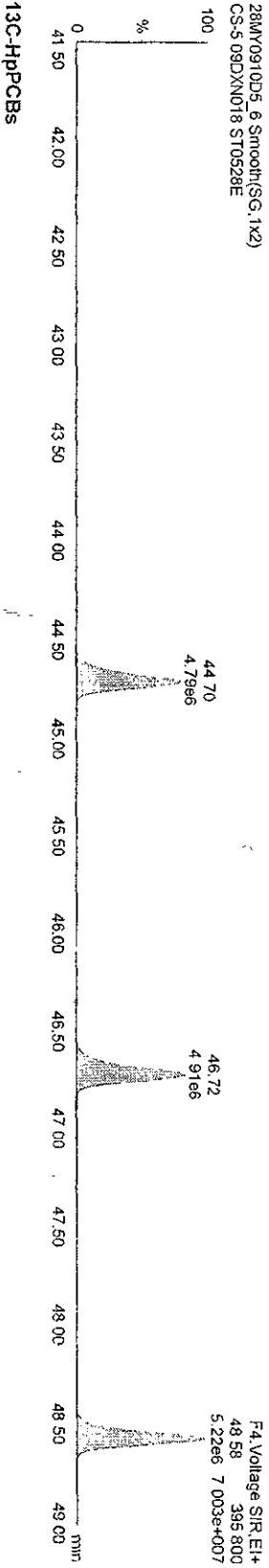
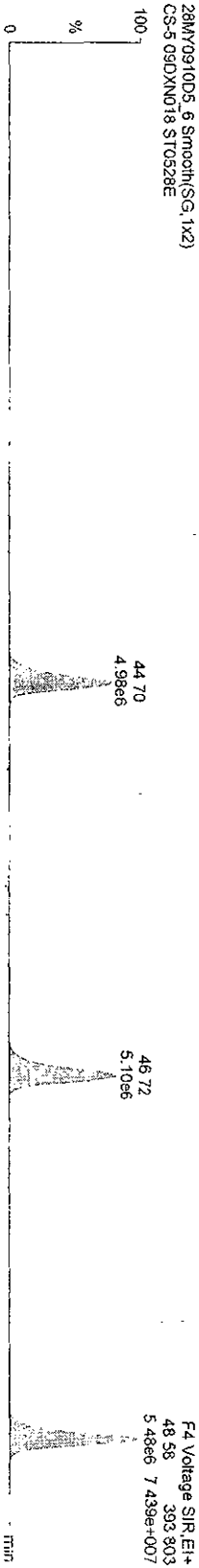


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Last Altered Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
 Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST0528E, Description: CS-5-09DXN018

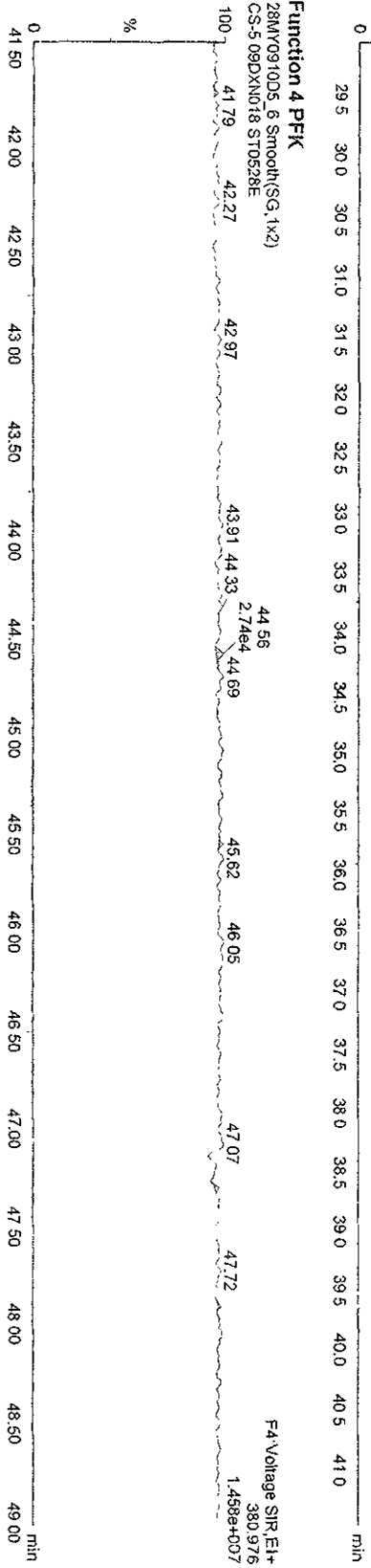
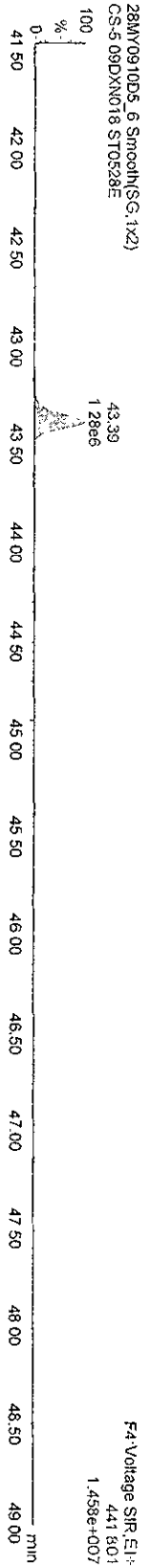
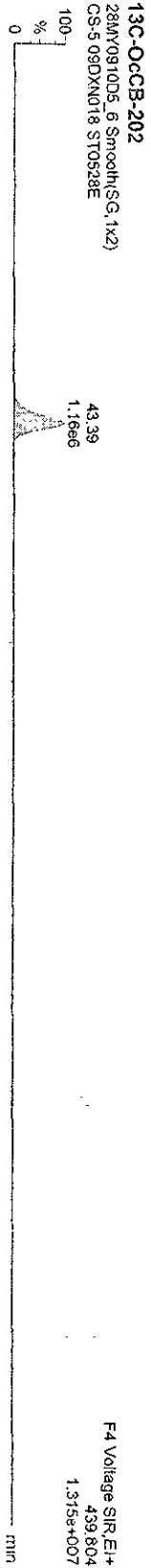
**HPPCBs**



Dataset: C:\Masslynx\Default\pro\CA0528200910D51669M\SL.qtd

Last Altered: Friday, May 29, 2009 13:49:37 Pacific Daylight Time  
Printed: Friday, May 29, 2009 13:59:54 Pacific Daylight Time

Name: 28MY0910D5\_6, Date: 28-May-2009, Time: 14:04:55, ID: ST0528E, Description: CS-5 09DXN018



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

Data Checklist  
HRGCMS/LRGCMS Analyses

THE LEADER IN ENVIRONMENTAL TESTING

Lot ID #: G9E270196 Method ID: 1068  
 Sample # 1-5

DB-5  
 Data Analyst: VJ  
 Date Initiated: 6-19-09  
 Reviewer: [Signature]  
 Date reviewed: 6/19/09

DB-225  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

QA/QC verification:

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Method Blank present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-LCS/DCS copy present and meets native recovery criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Internal standard recoveries within limits?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Ion ratios within + 15% of theoretical values?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Other QC (Dup,MS,SD) within specs?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____

Sample Analysis:

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-All raw data present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Standard target DL's used? If RL's are used specify: <u>1000</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-DL's below TDL / LCL (please circle)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-All positives reported at levels greater than method blank DL's?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Correct RRF's used for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Internal standard amounts correct for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Target analytes are not saturated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Dilution/splitting of extract taken into account?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Have dilution calculations been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Has a manual calculation for the sequence(s) been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Are retention times (RT) correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
-Manual integrations checked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____

Comments: (Use other side if necessary)

07-0093311 (3) 07-0093310

\* Recovery limits:

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%***(C14-C16), 25-130%(C17-B), 70-130%(surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614	25-150%***

\*\*RPD limits:

50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: WM Lot Number: G9E27019C Date: 5/29/09  
 Test: 1668 PCB Batch Number: 9152249 SOP Reference Number: Sac-ID-0013  
 Extraction: 1. Soxhlet On: 1530 Off: 11:00 2. Soxhlet On: NA Off: NA

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or $\mu$ L) (circle one)	Final Conc'n
<u>G9E27019C - MB</u>	<u>puff head</u>	<u>5/29/09</u>	<u>5/29/09</u>		<u>20.0 <math>\mu</math>L</u>	
<u>- LCS</u>					<u>20.0</u>	
<u>- 1</u>					<u>20.0</u>	
<u>- 2</u>					<u>20.0</u>	
<u>- 3</u>				<u>6-2-09</u>	<u>20.0</u>	
<u>- 4</u>					<u>20.0</u>	
<u>- 5</u>					<u>20.0</u>	

All Samples/ Internal Standard (IS) addition: Standard Name: 1668 daily IS EXP: 12/1/09  
 Spike ID Number: 08DXN-383-146 Volume: 200  $\mu$ L Conc: 20 PS/ $\mu$ L 3/25/09  
 Spiked By: CR Witnessed By: SV Date: 5/29/09

LCS/LCSD: Standard Name: 1668 PCB native Spike 7/15/09  
 Spike ID Number: STD0145-08 Volume: 200  $\mu$ L Conc: 20 PS/ $\mu$ L  
 Spiked By: CR Witnessed By: SV Date: 5/29/09

Pre-spike samples: MB only Standard Name: 1668 PCB pre-spike Surr 8/21/09  
 Spike ID Number: SH0217-08 Volume: 40  $\mu$ L Conc: 100 PS/ $\mu$ L  
 Spiked By: CR Witnessed By: SV Date: 5/29/09

All Samples /Recovery Standard: Standard Name: Daily RS  
 Spike ID Number: 0ADXN094 Volume: 20  $\mu$ L Conc: 100.0  $\mu$ g/ $\mu$ L  
 Spiked By: J Witnessed By: B/B Date: 6-2-09

Split/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
<u>1/2</u> <u>T.L 06/02/09</u>	<u>—</u>	<u>—</u>	<u>T.L 06/02/09</u>	<u>—</u>


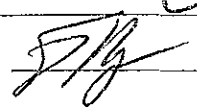
Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
<u>DCM</u>	<u>JT Baker</u>	<u>NA</u>	<u>20% DCM:Hexane</u>	<u>NA</u>	<u>NA</u>
<u>Toluene</u>	<u>JT Baker</u>	<u>1102N53</u>	<u>65% DCM Hexane</u>	<u>NA</u>	<u>NA</u>
<u>Hexane</u>	<u>JT Baker</u>	<u>651E20</u>	<u>Silica Gel</u>	<u>Whatman</u>	<u>22-22</u>
<u>H2SO4</u>	<u>JT Baker</u>	<u>NA</u>	<u>Acid Alumina</u>	<u>NA</u>	<u>NA</u>

Comments: \_\_\_\_\_

## Preparation Data Review Checklist

Prep Batch(es) \_\_\_\_\_ Test: DX1668  
 Prep Date: 5/29/09 Holding Times: 5/2/10 NCM: Y N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	<input checked="" type="checkbox"/>	NA
4. Worksheets have been checked for required spiking compounds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5. Spiking volumes are correctly documented	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6. Std ID numbers on spike labels match numbers on bench sheet	<input checked="" type="checkbox"/>	NA
7. Expiration dates have been checked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8. Calibration expiration dates on pipettors have been checked	<input checked="" type="checkbox"/>	NA
9. Spiker and spike witness have signed and dated bench sheet	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	<input checked="" type="checkbox"/>
2. Balance upload or raw data for weights is included	NA	<input checked="" type="checkbox"/>
3. Weights and volumes have been transcribed correctly to LIMS.	NA	<input checked="" type="checkbox"/>
4. Weights are not targeted to meet exact weights.	NA	<input checked="" type="checkbox"/>
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	<input checked="" type="checkbox"/>
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	<input checked="" type="checkbox"/>
2. Are dates and analysts for cleanups recorded?	NA	<input checked="" type="checkbox"/>
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	<input checked="" type="checkbox"/>
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	<input checked="" type="checkbox"/>
2. QuantIMs entry correct, including dates and times.	NA	<input checked="" type="checkbox"/>
3. Are all fields completed?	NA	<input checked="" type="checkbox"/>

Spike witness:  Date: 5/20/09  
 2<sup>nd</sup> Level Reviewer:  Date: 6/2/09  
 Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

July 31, 2009

**TestAmerica Project Number: G9F300243**

PO/Contract: 0742-812 (Phase 5)

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on June 30, 2009. These samples are associated with your Kettleman Hill project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager



## Table of Contents

### TestAmerica West Sacramento Project Number G9F300243

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5

    Sample Data Sheets

    Method Blank Report

    Laboratory QC Reports

Full Raw Data Package

## Case Narrative

### TestAmerica West Sacramento Project Number G9F300243

#### General Comments

Sample JUN 09-OMSI-DUP was received but was not listed on the Chain of Custody. This sample was analyzed by method 1668.

#### AIR, 1668, WHO PCB congeners

Samples: 2, 5

The PCB 77 detection limits have been elevated for these samples due to matrix interferences. These elevated detection limits have been flagged with a 'G' qualifier and may be considered maximum possible concentrations.

There are no other anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	NA

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G9F300243

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LFV93	1	JUN 09-UMSI-TO9A	6/5/2009 12:01 AM	6/30/2009 09:00 AM
LFV97	2	JUN 09-DMSI-TO9A	6/5/2009 12:01 AM	6/30/2009 09:00 AM
LFWAC	3	JUN 09-MSP-TO9A	6/5/2009 12:01 AM	6/30/2009 09:00 AM
LFWAG	4	JUN 09-BLANK-TO9A	6/5/2009 12:01 AM	6/30/2009 09:00 AM
LFWAM	5	JUN 09-OMSI-DUP-TO9A	6/5/2009 12:01 AM	6/30/2009 09:00 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

## Chain of Custody Record

4124 (0907)

Client: **CHEMICAL WASTE MANAGEMENT, INC.** Project Manager: **PAUL TUREK** Chain of Custody Number: **405880**  
 Address: **35251 OLD SKYLINE ROAD** Telephone Number (Area Code)/Fax Number: **651/386-8151** Page **1** of **1**  
 City: **RETTUSMAN CITY** State: **CA** Zip Code: **93239** Site Contact: **STEVEN HOLMNER** Lab Contact: **KAREN DART**

Project Name and Location (State): **KHF** Carrier/Waybill Number: **FEA EX**  
 Contract/Purchase Order/Quote No.: **565**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc			HNOH
JUN 09 - DMSI - T09A	06/08/09	0001	X			X								
JUN 09 - DMSI - T09A			X			X								
JUN 09 - MSP - T09A			X			X								
JUN 09 - Blank - T09A - DMSI			X			X								

Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**  
 (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Date	Time	Received By	Date	Time
Steven E Holmner	06/29/09	1700	[Signature]	06-30-09	1115

Comments: **Rec'd DMSI - DUB. Act 6-30-09**  
 DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

CLIENT chemical waste - truck PM FD LOG # 59270

LOT# (QUANTIMS ID) G9F300243 QUOTE# 81307 LOCATION W140

DATE RECEIVED 6-30-09 TIME RECEIVED 900 Initials CA Date 6-30-09

DELIVERED BY  FEDEX  CA OVERNIGHT  CLIENT  
 AIRBORNE  GOLDENSTATE  DHL  
 UPS  BAX GLOBAL  GO-GETTERS  
 TAL COURIER  VALLEY LOGISTICS  MORGAN HILL COURIER  
 OTHER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) \_\_\_\_\_

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER \_\_\_\_\_

COC #(S) 405880

TEMPERATURE BLANK Observed: 2 Corrected: 2 trip truck

SAMPLE TEMPERATURE Observed: NA Average: \_\_\_\_\_ Corrected Average: \_\_\_\_\_

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW \_\_\_\_\_  NA

SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING  
WETCHEM  N/A  
VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)\*1  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Notes: rec'd on 5/1-10/9A - Dec not listed on COC

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Lot ID: G9F300243

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF	(	)	(	)	(	)														
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 4/09 RKE

LEAVE NO SPACES BLANK. USE "NA" IF NOT APPLICABLE.

# AIR, 1668, WHO PCB congeners



Wenck Associates, Inc.

Client Sample ID: JUN 09-UMSI-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9F300243-001    Work Order #...: Lfv931AC    Matrix.....: AIR  
 Date Sampled...: 06/05/09    Date Received...: 06/30/09  
 Prep Date.....: 07/01/09    Analysis Date...: 07/22/09  
 Prep Batch #...: 9183233  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	79	(25 - 150)
13C12-PCB 81	85	(25 - 150)
13C12-PCB 118	105	(25 - 150)
13C12-PCB 114	105	(25 - 150)
13C12-PCB 105	110	(25 - 150)
13C12-PCB 126	120	(25 - 150)
13C12-PCB 167	115	(25 - 150)
13C12-PCB 156	123	(25 - 150)
13C12-PCB 157	114	(25 - 150)
13C12-PCB 169	132	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	88	(25 - 150)

Wenck Associates, Inc.

Client Sample ID: JUN 09-DMSI-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9F300243-002    Work Order #...: LFV971AC    Matrix.....: AIR  
 Date Sampled...: 06/05/09    Date Received...: 06/30/09  
 Prep Date.....: 07/01/09    Analysis Date...: 07/24/09  
 Prep Batch #...: 9183233  
 Dilution Factor: 3

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	2200	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>5100 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>12000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	62	(25 - 150)
13C12-PCB 81	74	(25 - 150)
13C12-PCB 118	75	(25 - 150)
13C12-PCB 114	84	(25 - 150)
13C12-PCB 105	80	(25 - 150)
13C12-PCB 126	87	(25 - 150)
13C12-PCB 167	83	(25 - 150)
13C12-PCB 156	91	(25 - 150)
13C12-PCB 157	85	(25 - 150)
13C12-PCB 169	90	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	97	(25 - 150)

**NOTE (S) :**

- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: JUN 09-MSP-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9F300243-003    Work Order #...: LFWAC1AC    Matrix.....: AIR  
 Date Sampled...: 06/05/09    Date Received...: 06/30/09  
 Prep Date.....: 07/01/09    Analysis Date...: 07/24/09  
 Prep Batch #...: 9183233  
 Dilution Factor: 3

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>3100 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>7000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	59	(25 - 150)
13C12-PCB 81	58	(25 - 150)
13C12-PCB 118	77	(25 - 150)
13C12-PCB 114	76	(25 - 150)
13C12-PCB 105	77	(25 - 150)
13C12-PCB 126	79	(25 - 150)
13C12-PCB 167	78	(25 - 150)
13C12-PCB 156	79	(25 - 150)
13C12-PCB 157	78	(25 - 150)
13C12-PCB 169	83	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	111	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: JUN 09-BLANK-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9F300243-004    Work Order #...: LFWAG1AC    Matrix.....: AIR  
 Date Sampled...: 06/05/09    Date Received...: 06/30/09  
 Prep Date.....: 07/01/09    Analysis Date...: 07/22/09  
 Prep Batch #...: 9183233  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	55	(25 - 150)
13C12-PCB 81	60	(25 - 150)
13C12-PCB 118	95	(25 - 150)
13C12-PCB 114	92	(25 - 150)
13C12-PCB 105	84	(25 - 150)
13C12-PCB 126	101	(25 - 150)
13C12-PCB 167	103	(25 - 150)
13C12-PCB 156	112	(25 - 150)
13C12-PCB 157	105	(25 - 150)
13C12-PCB 169	118	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	84	(25 - 150)

Wenck Associates, Inc.

Client Sample ID: JUN 09-OMSI-DUP-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9F300243-005    Work Order #...: LFWAM1AC    Matrix.....: AIR  
 Date Sampled...: 06/05/09    Date Received...: 06/30/09  
 Prep Date.....: 07/01/09    Analysis Date...: 07/24/09  
 Prep Batch #...: 9183233  
 Dilution Factor: 3

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	2100	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>4300 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>10000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	68	(25 - 150)
13C12-PCB 81	71	(25 - 150)
13C12-PCB 118	102	(25 - 150)
13C12-PCB 114	106	(25 - 150)
13C12-PCB 105	100	(25 - 150)
13C12-PCB 126	110	(25 - 150)
13C12-PCB 167	101	(25 - 150)
13C12-PCB 156	106	(25 - 150)
13C12-PCB 157	103	(25 - 150)
13C12-PCB 169	108	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	83	(25 - 150)

**NOTE(S) :**

- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- C Co-eluting isomer.

# QC DATA ASSOCIATION SUMMARY

G9F300243

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9183233	
002	AIR	EPA-14 1668		9183233	
003	AIR	EPA-14 1668		9183233	
004	AIR	EPA-14 1668		9183233	
005	AIR	EPA-14 1668		9183233	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9F300243  
 MB Lot-Sample #: G9G020000-233

Work Order #...: LF4V01AA

Matrix.....: AIR

Prep Date.....: 07/01/09

Analysis Date...: 07/22/09

Prep Batch #...: 9183233

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	74	(25 - 150)
13C12-PCB 118	68	(25 - 150)
13C12-PCB 114	67	(25 - 150)
13C12-PCB 105	65	(25 - 150)
13C12-PCB 126	85	(25 - 150)
13C12-PCB 167	99	(25 - 150)
13C12-PCB 156	107	(25 - 150)
13C12-PCB 157	106	(25 - 150)
13C12-PCB 169	119	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	87	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9F300243      Work Order #...: LF4V01AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9G020000-233  
 Prep Date.....: 07/01/09      Analysis Date...: 07/22/09  
 Prep Batch #...: 9183233  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	4030	pg	101	EPA-14 1668
PCB 81 (BZ)	4000	4160	pg	104	EPA-14 1668
PCB 105 (BZ)	4000	4070	pg	102	EPA-14 1668
PCB 114 (BZ)	4000	3950	pg	99	EPA-14 1668
PCB 118 (BZ)	4000	4050	pg	101	EPA-14 1668
PCB 123 (BZ)	4000	3850	pg	96	EPA-14 1668
PCB 126 (BZ)	4000	3870	pg	97	EPA-14 1668
PCB 156 (BZ)	4000	3930	pg	98	EPA-14 1668
PCB 157 (BZ)	4000	3990	pg	100	EPA-14 1668
PCB 167 (BZ)	4000	3800	pg	95	EPA-14 1668
PCB 169 (BZ)	4000	3770	pg	94	EPA-14 1668
PCB 189 (BZ)	4000	4060	pg	101	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	99	(25 - 150)
13C12-PCB 81	97	(25 - 150)
13C12-PCB 118	80	(25 - 150)
13C12-PCB 114	89	(25 - 150)
13C12-PCB 105	88	(25 - 150)
13C12-PCB 126	96	(25 - 150)
13C12-PCB 167	116	(25 - 150)
13C12-PCB 156	120	(25 - 150)
13C12-PCB 157	117	(25 - 150)
13C12-PCB 169	125	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9F300243      Work Order #...: LF4V01AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9G020000-233  
 Prep Date.....: 07/01/09      Analysis Date...: 07/22/09  
 Prep Batch #...: 9183233  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	101	(50 - 150)	<b>EPA-14 1668</b>
PCB 81 (BZ)	104	(50 - 150)	<b>EPA-14 1668</b>
PCB 105 (BZ)	102	(50 - 150)	<b>EPA-14 1668</b>
PCB 114 (BZ)	99	(50 - 150)	<b>EPA-14 1668</b>
PCB 118 (BZ)	101	(50 - 150)	<b>EPA-14 1668</b>
PCB 123 (BZ)	96	(50 - 150)	<b>EPA-14 1668</b>
PCB 126 (BZ)	97	(50 - 150)	<b>EPA-14 1668</b>
PCB 156 (BZ)	98	(50 - 150)	<b>EPA-14 1668</b>
PCB 157 (BZ)	100	(50 - 150)	<b>EPA-14 1668</b>
PCB 167 (BZ)	95	(50 - 150)	<b>EPA-14 1668</b>
PCB 169 (BZ)	94	(50 - 150)	<b>EPA-14 1668</b>
PCB 189 (BZ)	101	(50 - 150)	<b>EPA-14 1668</b>

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	99	(25 - 150)
13C12-PCB 81	97	(25 - 150)
13C12-PCB 118	80	(25 - 150)
13C12-PCB 114	89	(25 - 150)
13C12-PCB 105	88	(25 - 150)
13C12-PCB 126	96	(25 - 150)
13C12-PCB 167	116	(25 - 150)
13C12-PCB 156	120	(25 - 150)
13C12-PCB 157	117	(25 - 150)
13C12-PCB 169	125	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

# AIR, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

Run text: *LF4V01M7* Sample text: :G9F300243-1MB  
 Run #7 Filename: 22JL099D5 S: 4 I: 1 Results: 22JL099D51668MSL  
 Acquired: 22-JUL-09 17:26:44 Processed: 24-JUL-09 16:23:19  
 Run: 22JL099D5 Analyte: 1668MSL Cal: 1668MSL0709099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000SAMP

*RL = 1000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	108144800	0.66 y	25:24	-	102.27	-	-	n
13C-TCB-81	88740700	0.83 y	26:58	1.11	2949.40	2.08	73.7	n
TCB-81	23503	2.15 n	26:59	1.33	0.80	0.94	-	n
13C-TCB-77	93460200	0.82 y	27:31	1.16	2976.07	1.99	74.4	n
TCB-77	37089	1.34 n	27:32	1.17	1.35	1.05	-	n
13C-PeCB-123	71263900	0.66 y	28:53	0.97	2724.04	1.39	68.1	n
PeCB-123	*	* n	NotFnd	1.65	*	0.81	-	n
13C-PeCB-118	73984500	0.67 y	29:02	1.01	2722.65	1.34	68.1	n
PeCB-118/106	328604	0.58 y	29:04	1.65	10.80	0.81	-	n
13C-PeCB-114	74388400	0.66 y	29:41	1.03	2682.98	1.31	67.1	n
PeCB-114	*	* n	NotFnd	1.73	*	0.80	-	n
13C-PeCB-105	68389400	0.66 y	30:33	0.97	2607.53	1.39	65.2	n
PeCB-105/127	74266	0.49 n	30:33	1.53	2.84	1.02	-	n
13C-PeCB-126	91254500	0.65 y	32:26	1.00	3389.05	1.35	84.7	n
PeCB-126	*	* n	NotFnd	1.27	*	1.00	-	n
13C-OcCB-202	115344100	0.90 y	34:45	-	99.35	-	-	n
13C-HxCB-167	118872000	1.28 y	33:34	1.04	3948.70	6.54	98.7	n
HxCB-167	*	* n	NotFnd	1.10	*	0.51	-	n
13C-HxCB-156	103473100	1.27 y	34:52	0.84	4277.61	8.14	106.9	n
HxCB-156	*	* n	NotFnd	1.50	*	0.45	-	n
13C-HxCB-157	107662000	1.27 y	35:11	0.88	4239.39	7.75	106.0	n
HxCB-157	10542	0.68 n	35:12	1.50	0.26	0.43	-	n
13C-HxCB-169	125987100	1.25 y	37:01	0.92	4760.02	7.44	119.0	n
HxCB-169	*	* n	NotFnd	0.99	*	0.57	-	n
13C-HpCB-180	80814000	1.03 y	35:50	0.74	3768.90	1.47	94.2	n
HpCB-180	80364	1.44 n	35:51	1.32	3.02	0.28	-	n
13C-HpCB-170	68870900	1.03 y	37:28	0.61	3907.87	1.79	97.7	n
HpCB-170/190	24061	0.68 n	37:29	1.63	0.86	0.27	-	n
13C-HpCB-189	99047900	1.04 y	39:06	0.76	4508.96	1.44	112.7	n
HpCB-189	4073	0.90 y	39:09	1.22	0.13	0.24	-	n
13C-PeCB-111	87310000	0.66 y	26:52	1.32	3484.43	1.86	87.1	n

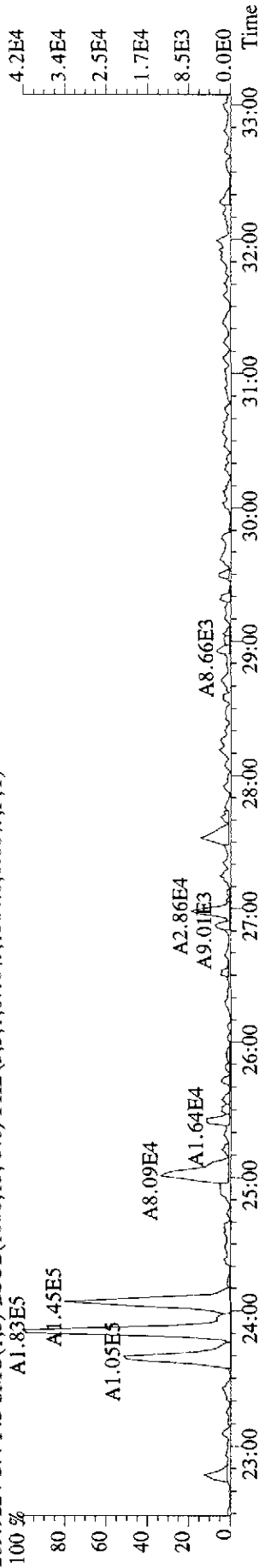
*LRL*



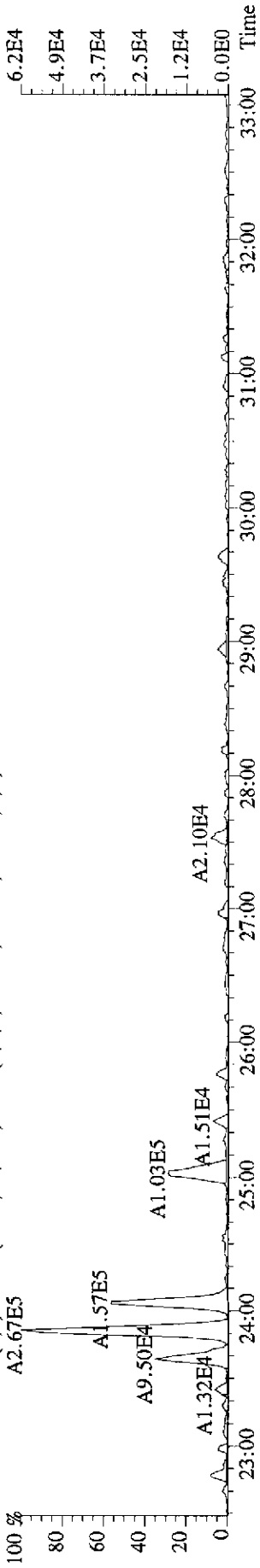
*Su 7/21/09*

File:22JL099D5 #1-597 Acq:22-JUL-2009 17:26:44 GC EI+ Voltage SIR Autospec-UltimaE

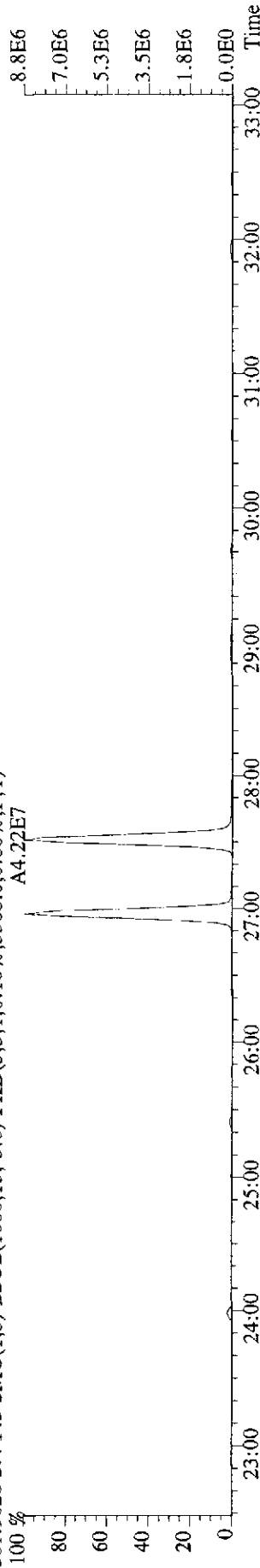
Sample#4 Text: :G9F300243-1MB Exp:209DB5  
289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1304,0.00%,F,T)



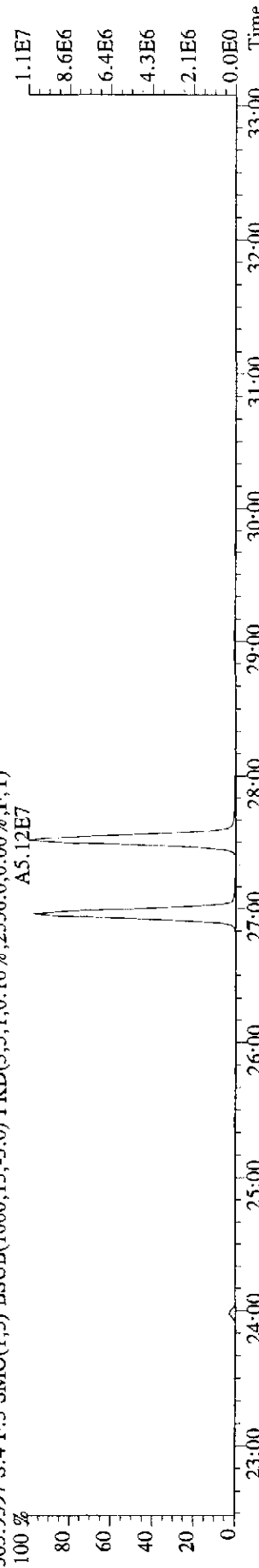
291.9194 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1092,0.00%,F,T)



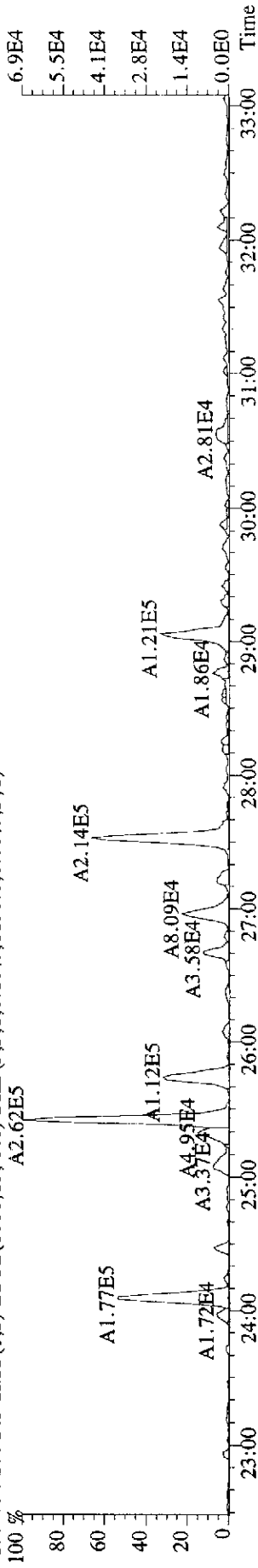
301.9626 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3368,0.00%,F,T)



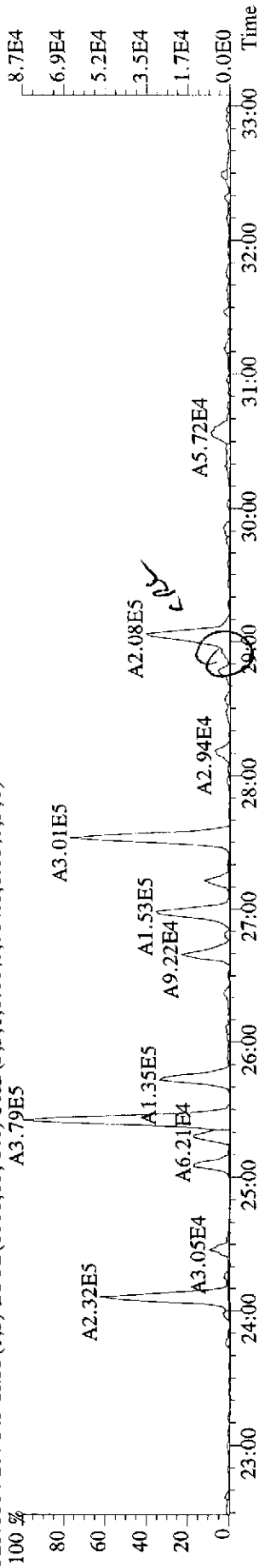
303.9597 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2556,0.00%,F,T)



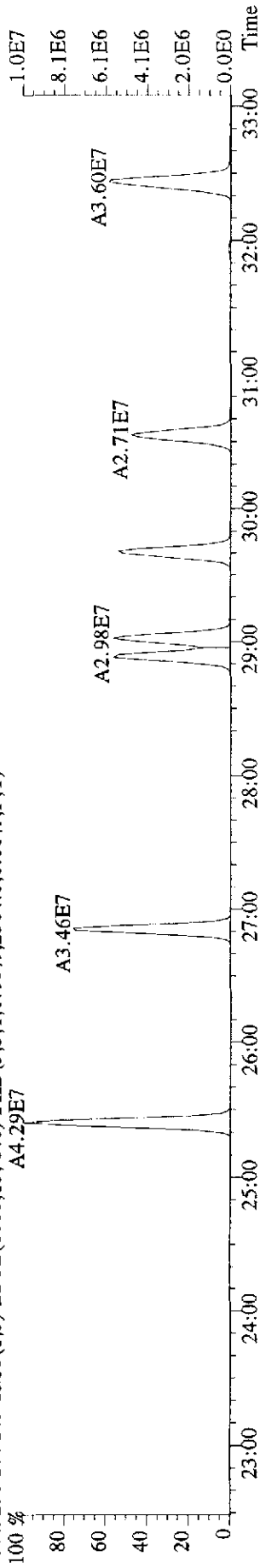
File: 22JL099D5 #1-597 Acq: 22-JUL-2009 17:26:44 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text: :G9F300243-1MB Exp: 209DB5  
 323.8834 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1156,0.00%,F,T)  
 100 %



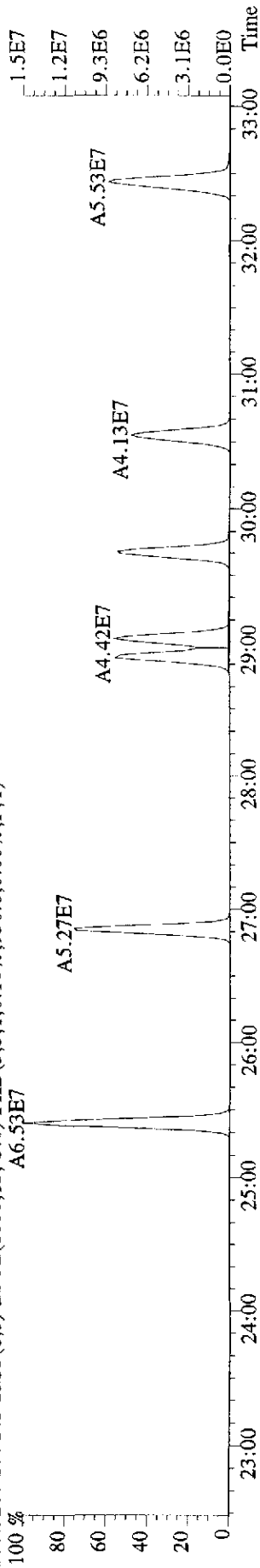
325.8804 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,764,0.00%,F,T)  
 100 %



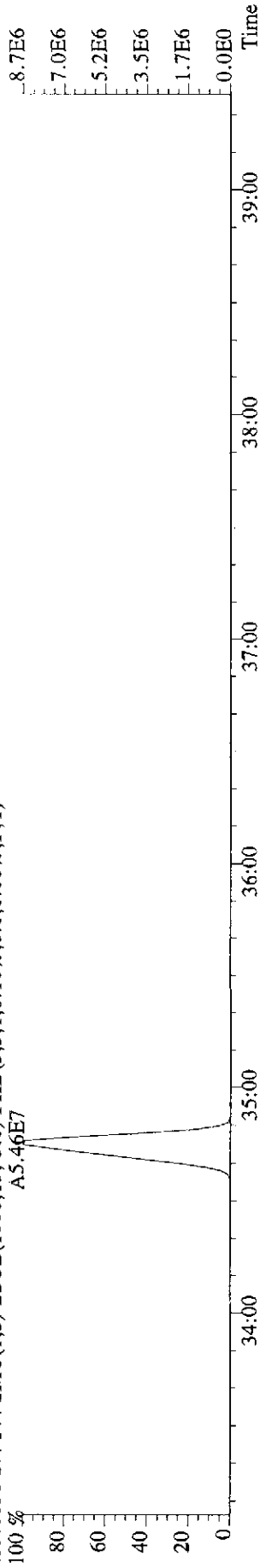
335.9236 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2504,0.00%,F,T)  
 100 %



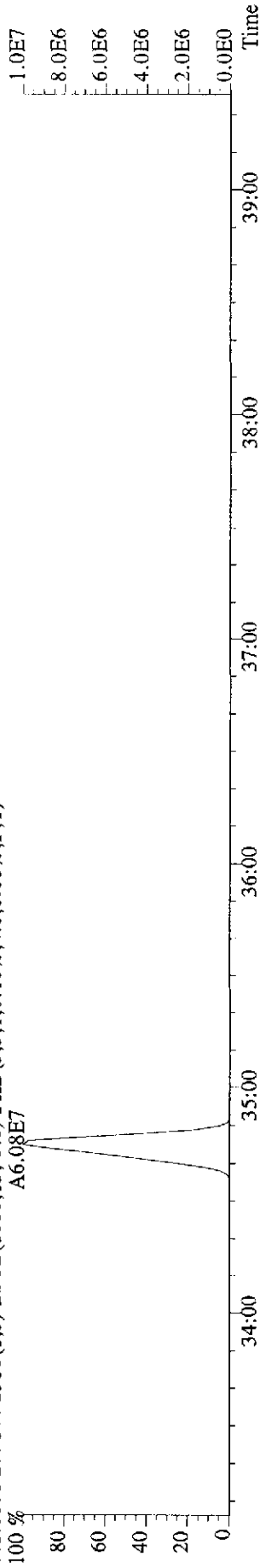
337.9207 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,936,0.00%,F,T)  
 100 %



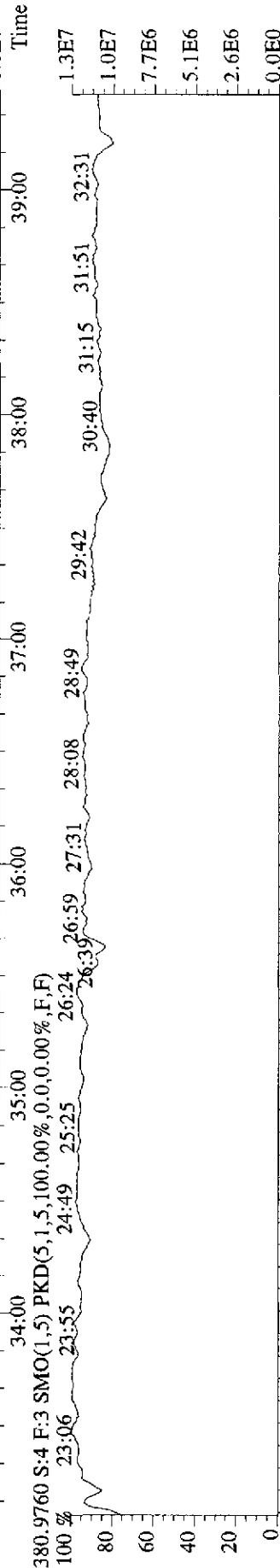
File:22JL099D5 #1-386 Acq:22-JUL-2009 17:26:44 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text: :G9F300243-1MB Exp:209DB5  
 439.8038 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,8,0,0.00%,F,T)  
 100% A5.46E7



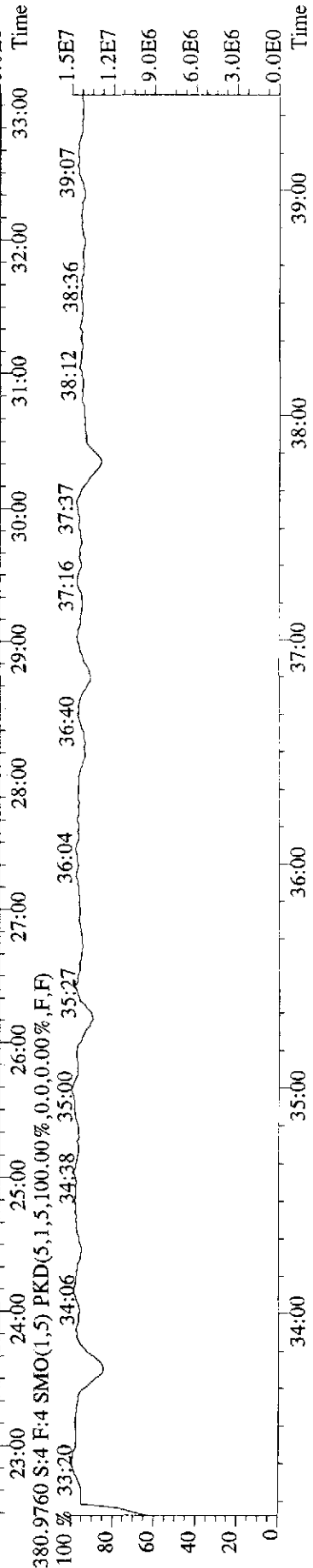
441.8008 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,4,0,0.00%,F,T)  
 100% A6.08E7



380.9760 S:4 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 100%

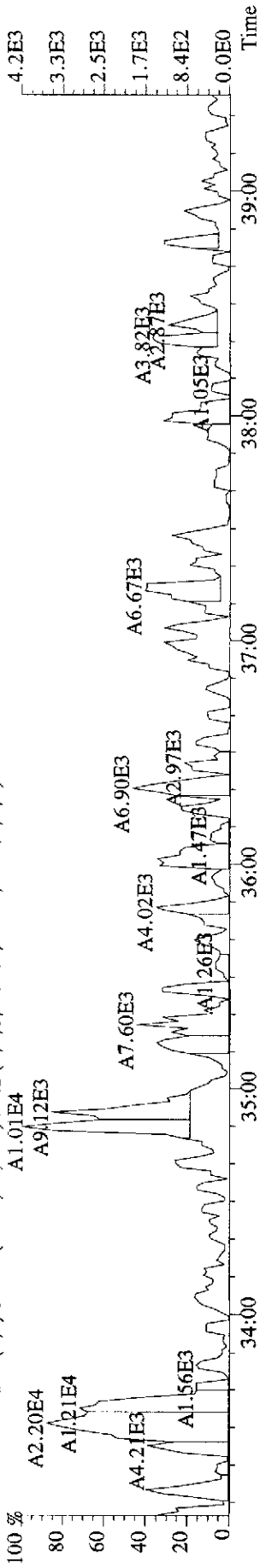


380.9760 S:4 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 100%

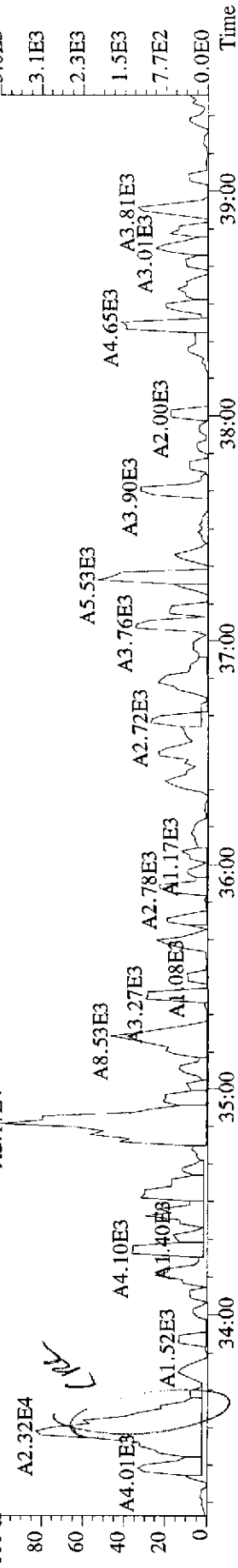




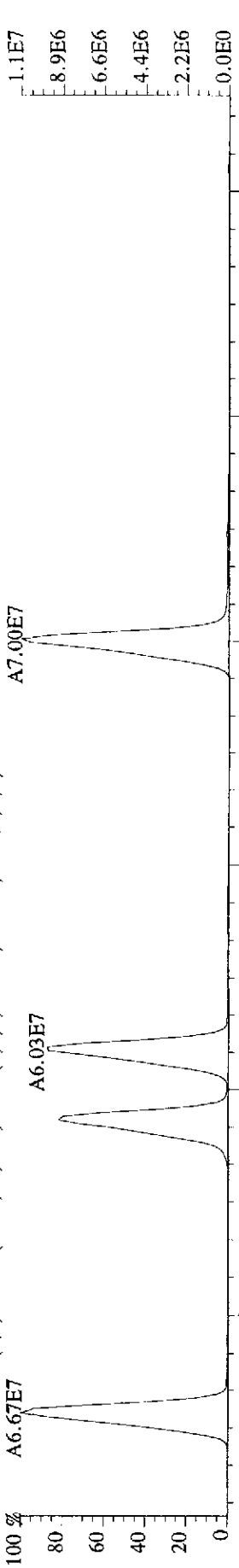
File: 22JL099D5 #1-386 Acq: 22-JUL-2009 17:26:44 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text: :G9F300243-1MB Exp: 209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,636,0,0.00%,F,T)



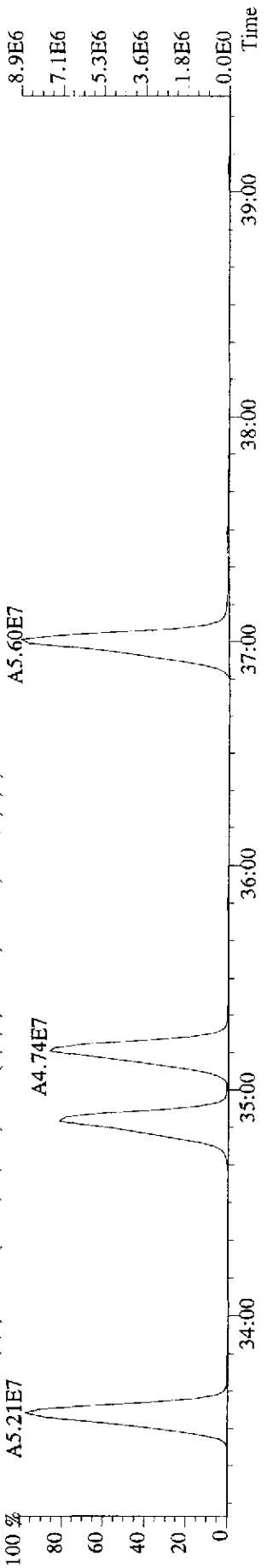
361.8385 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,480,0,0.00%,F,T)



371.8817 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6516,0,0.00%,F,T)



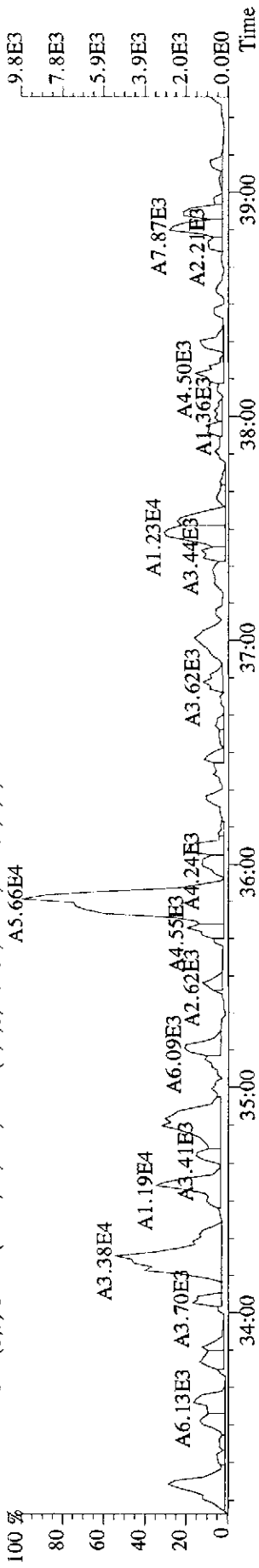
373.8788 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6240,0,0.00%,F,T)



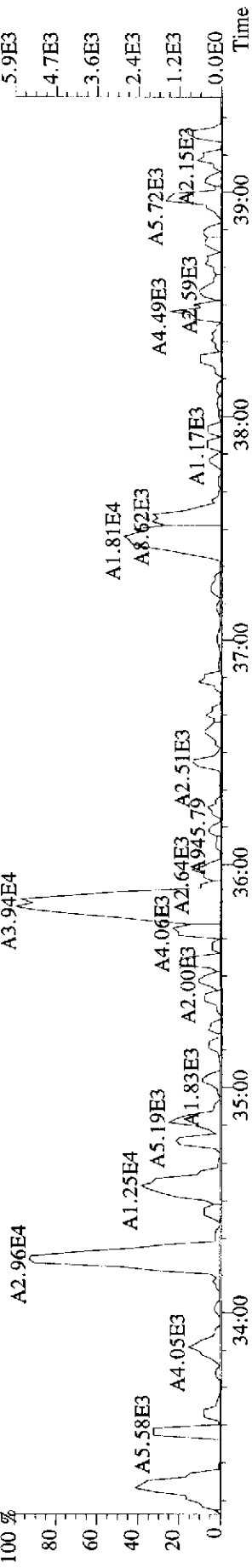
File:22JL099D5 #1-386 Acq:22-JUL-2009 17:26:44 GC EI+ Voltage SIR Aerospec-UltimaE

Sample#4 Text: :G9F300243-1MB Exp:209DB5

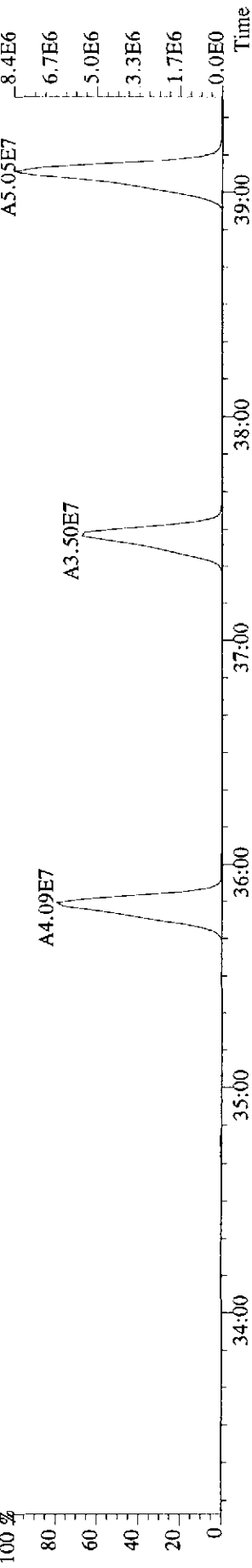
393.8025 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,444.0,0.00%,F,T)



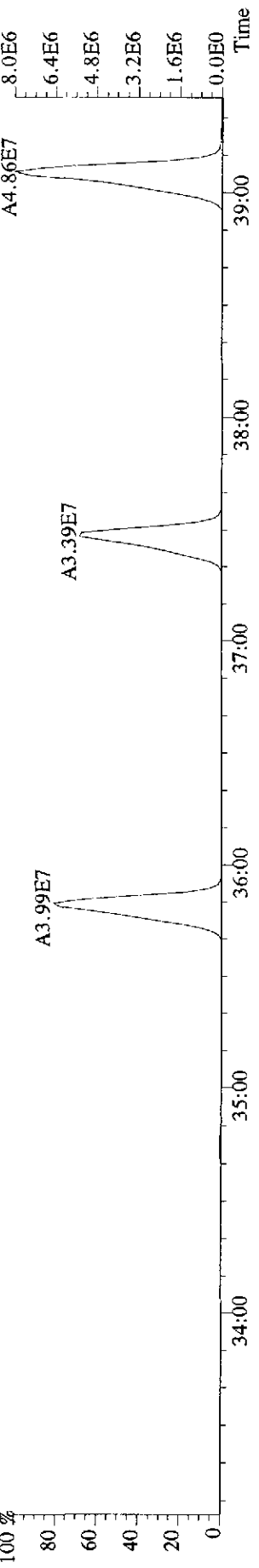
395.7995 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,40.0,0.00%,F,T)



405.8428 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,996.0,0.00%,F,T)



407.8398 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1048.0,0.00%,F,T)



Run text: **LF4V01A** Sample text: :G9F300243-1LCS  
 Run #8 Filename: 22JL099D5 S: 5 I: 1 Results: 22jl099d51668msl  
 Acquired: 22-JUL-09 18:18:06 Processed: 24-JUL-09 16:23:20  
 Run: 22JL099D5 Analyte: 1668MSL Cal: 1668MSL0709099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 SAMP

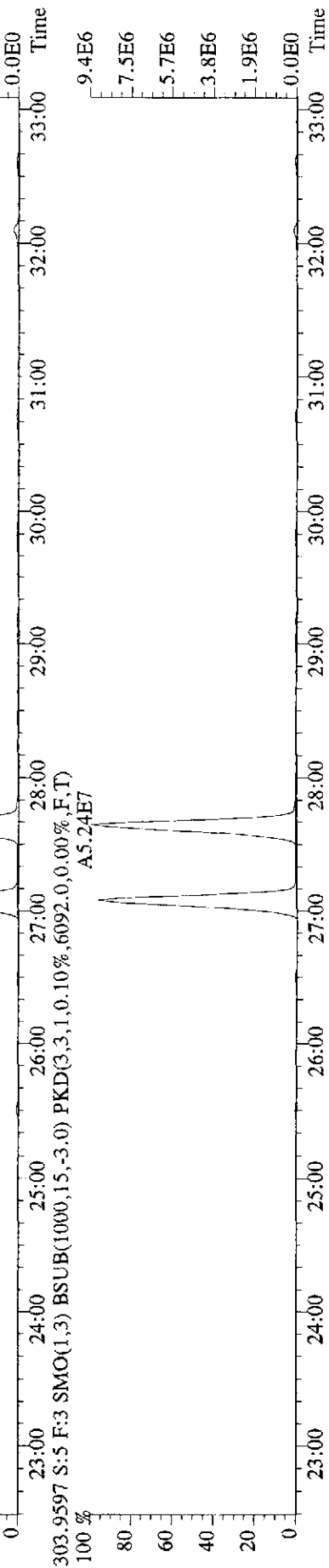
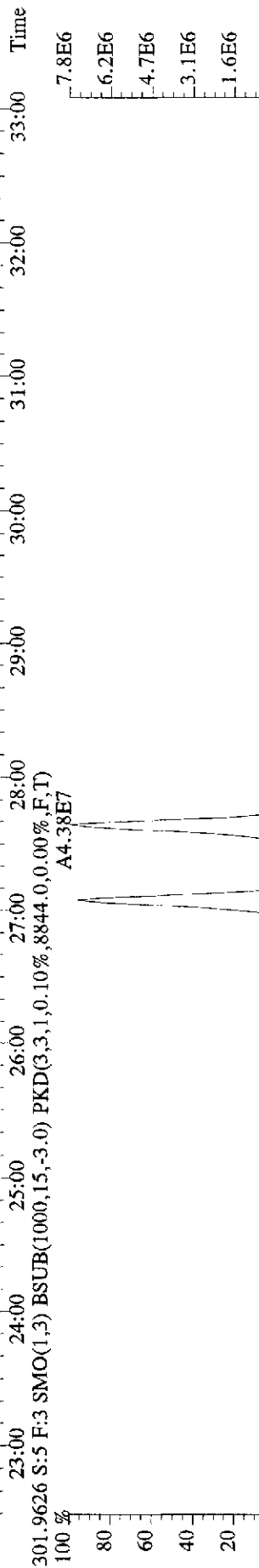
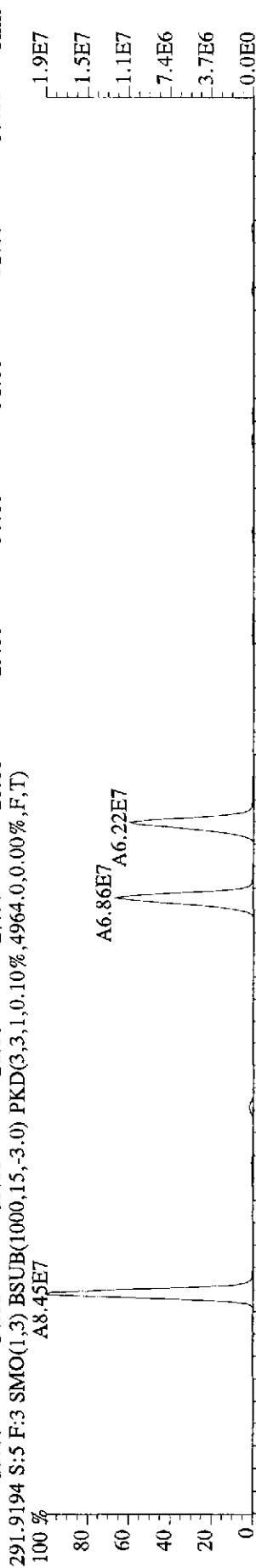
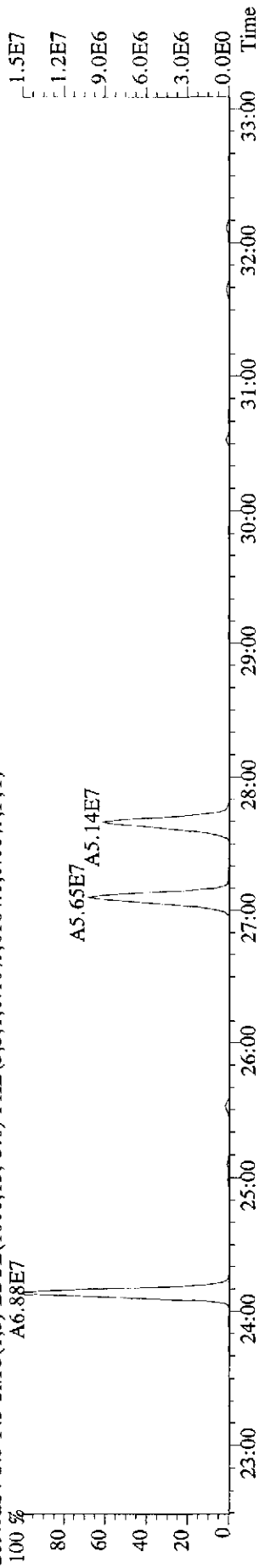
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	83651000	0.66 y	25:30	-	79.11	-	-	n
13C-TCB-81	90701000	0.82 y	27:05	1.11	3897.24	7.71	97.4	n
TCB-81	125095200	0.82 y	27:06	1.33	4156.76	5.08	-	n
13C-TCB-77	96139300	0.84 y	27:39	1.16	3957.78	7.38	98.9	n
TCB-77	113601100	0.83 y	27:40	1.17	4027.82	5.53	-	n
13C-PeCB-123	79781900	0.66 y	29:02	0.97	3942.60	2.21	98.6	n
PeCB-123	127070500	0.62 y	29:03	1.65	3853.54	2.63	-	n
13C-PeCB-118	66821300	0.67 y	29:11	1.01	3179.07	2.13	79.5	n
PeCB-118/106	111371900	0.64 y	29:12	1.65	4052.37	2.57	-	n
13C-PeCB-114	76175400	0.66 y	29:50	1.03	3551.91	2.09	88.8	n
PeCB-114	129809000	0.63 y	29:51	1.73	3949.21	2.46	-	n
13C-PeCB-105	71620500	0.67 y	30:42	0.97	3530.30	2.21	88.3	n
PeCB-105/127	111325900	0.63 y	30:43	1.53	4065.23	2.84	-	n
13C-PeCB-126	79576500	0.65 y	32:37	1.00	3820.70	2.15	95.5	n
PeCB-126	97965600	0.63 y	32:38	1.27	3874.32	3.24	-	n
13C-OcCB-202	81388700	0.91 y	34:54	-	70.10	-	-	n
13C-HxCB-167	98617800	1.27 y	33:45	1.04	4642.59	8.29	116.1	n
HxCB-167	102960400	1.26 y	33:46	1.10	3798.03	7.19	-	n
13C-HxCB-156	81773400	1.32 y	35:03	0.84	4790.90	10.32	119.8	y
HxCB-156	120866400	1.26 y	35:04	1.50	3930.90	6.26	-	n
13C-HxCB-157	84146200	1.28 y	35:22	0.88	4695.77	9.83	117.4	n
HxCB-157	125616100	1.29 y	35:23	1.50	3993.43	6.03	-	n
13C-HxCB-169	93433700	1.28 y	37:13	0.92	5002.85	9.43	125.1	y
HxCB-169	86920700	1.17 y	37:14	0.99	3767.22	8.24	-	n
13C-HpCB-180	64008800	1.03 y	36:00	0.74	4230.57	1.87	105.8	n
HpCB-180	77345700	1.08 y	36:02	1.32	3670.47	2.94	-	n
13C-HpCB-170	51955500	1.04 y	37:40	0.61	4177.99	2.28	104.4	n
HpCB-170/190	79060200	1.07 y	37:41	1.63	3740.55	2.89	-	n
13C-HpCB-189	63309300	1.02 y	39:18	0.76	4084.41	1.83	102.1	n
HpCB-189	78517200	1.07 y	39:19	1.22	4059.61	2.78	-	y
13C-PeCB-111	*	* n	Not Fnd	1.32	*	2.19	*	n

*SL 7/29/09*

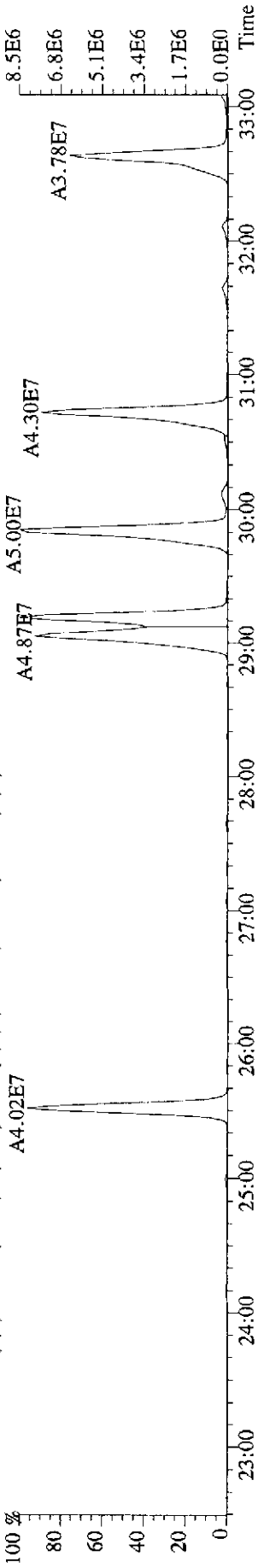
Run text: Sample text: :G9F300243-1LCS  
 Run #8 Filename: 22JL099D5 S: 5 I: 1 Results: 22JL099D51668MSL  
 Acquired: 22-JUL-09 18:18:06 Processed: 24-JUL-09 16:23:20  
 Run: 22JL099D5 Analyte: 1668MSL Cal: 1668MSL0709099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000SAMP

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	83651000	0.66 y	25:30	-	79.11	-	-	n
13C-TCB-81	90701000	0.82 y	27:05	1.11	3897.24	7.71	97.4	n
TCB-81	125095200	0.82 y	27:06	1.33	4156.76	5.08	-	n
13C-TCB-77	96139300	0.84 y	27:39	1.16	3957.78	7.38	98.9	n
TCB-77	113601100	0.83 y	27:40	1.17	4027.82	5.53	-	n
13C-PeCB-123	79781900	0.66 y	29:02	0.97	3942.60	2.21	98.6	n
PeCB-123	127070500	0.62 y	29:03	1.65	3853.54	2.63	-	n
13C-PeCB-118	66821300	0.67 y	29:11	1.01	3179.07	2.13	79.5	n
PeCB-118/106	111371900	0.64 y	29:12	1.65	4052.37	2.57	-	n
13C-PeCB-114	76175400	0.66 y	29:50	1.03	3551.91	2.09	88.8	n
PeCB-114	129809000	0.63 y	29:51	1.73	3949.21	2.46	-	n
13C-PeCB-105	71620500	0.67 y	30:42	0.97	3530.30	2.21	88.3	n
PeCB-105/127	111325900	0.63 y	30:43	1.53	4065.23	2.84	-	n
13C-PeCB-126	79576500	0.65 y	32:37	1.00	3820.70	2.15	95.5	n
PeCB-126	97965600	0.63 y	32:38	1.27	3874.32	3.24	-	n
13C-OcCB-202	81388700	0.91 y	34:54	-	70.10	-	-	n
13C-HxCB-167	98617800	1.27 y	33:45	1.04	4642.59	8.29	116.1	n
HxCB-167	102960400	1.26 y	33:46	1.10	3798.03	7.19	-	n
13C-HxCB-156	69300900	1.30 y	35:03	0.84	4060.17	10.32	101.5	n
HxCB-156	120866400	1.26 y	35:04	1.50	4638.36	6.26	-	n
13C-HxCB-157	84146300	1.28 y	35:22	0.88	4695.77	9.83	117.4	n
HxCB-157	125616100	1.29 y	35:23	1.50	3993.43	6.03	-	n
13C-HxCB-169	90342000	1.39 y	37:13	0.92	4837.31	9.43	120.9	n
HxCB-169	86920700	1.17 y	37:14	0.99	3896.15	8.19	-	n
13C-HpCB-180	64008800	1.03 y	36:00	0.74	4230.57	1.87	105.8	n
HpCB-180	77345700	1.08 y	36:02	1.32	3670.47	2.94	-	n
13C-HpCB-170	51955500	1.04 y	37:40	0.61	4177.99	2.28	104.4	n
HpCB-170/190	79060200	1.07 y	37:41	1.63	3740.55	2.89	-	n
13C-HpCB-189	63309300	1.02 y	39:18	0.76	4084.41	1.83	102.1	n
HpCB-189	71150200	1.07 y	39:19	1.22	3678.72	2.78	-	n
13C-PeCB-111	*	* n	NotFnd	1.32	*	2.19	*	n

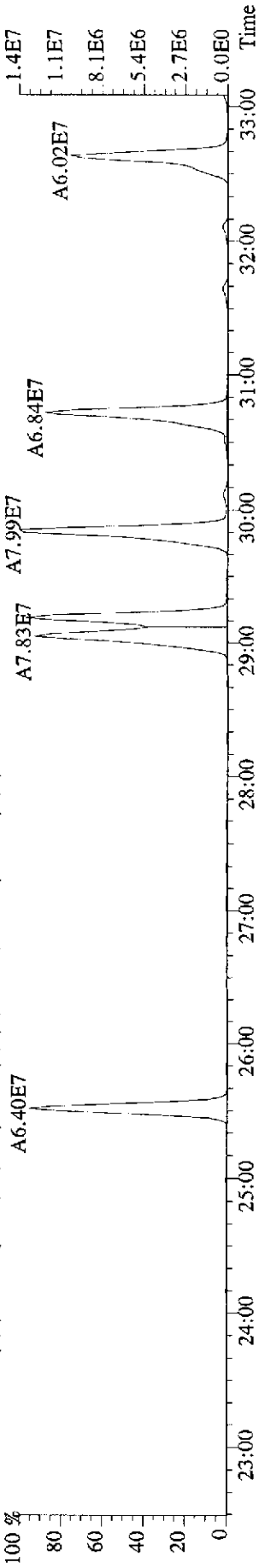
File:22JL099D5 #1-597 Acq:22-JUL-2009 18:18:06 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: :G9F300243-1LCS Exp:209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6164,0,0,00%,F,T)  
 100 % A6.88E7



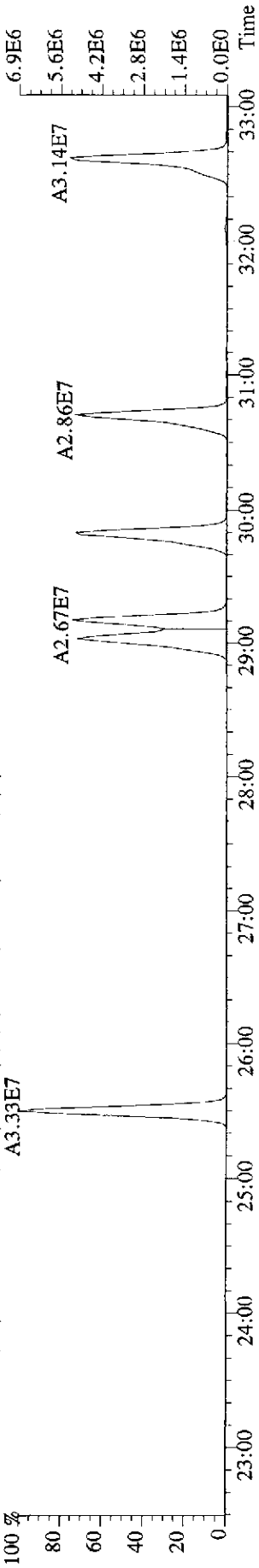
File: 22JL099D5 #1-597 Acq: 22-JUL-2009 18:18:06 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: :G9F300243-1LCS Exp:209DB5  
 323.8834 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,3484,0,0.00%,F,T)



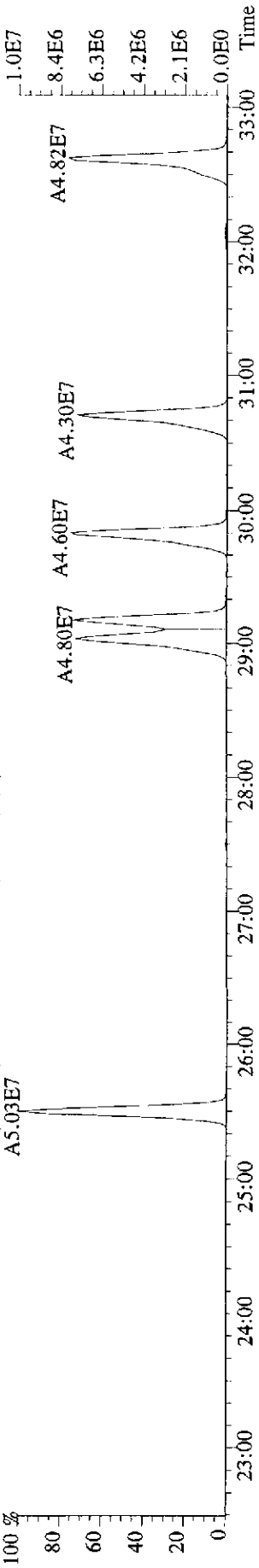
325.8804 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,1996,0,0.00%,F,T)



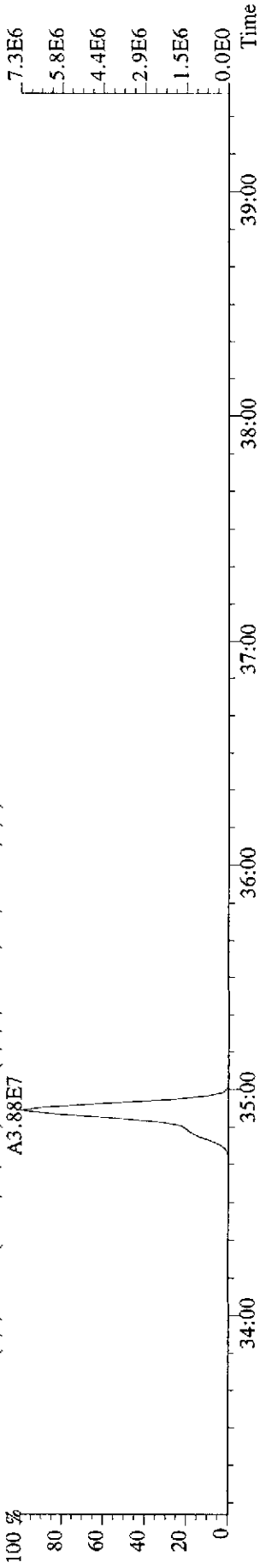
335.9236 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,1628,0,0.00%,F,T)



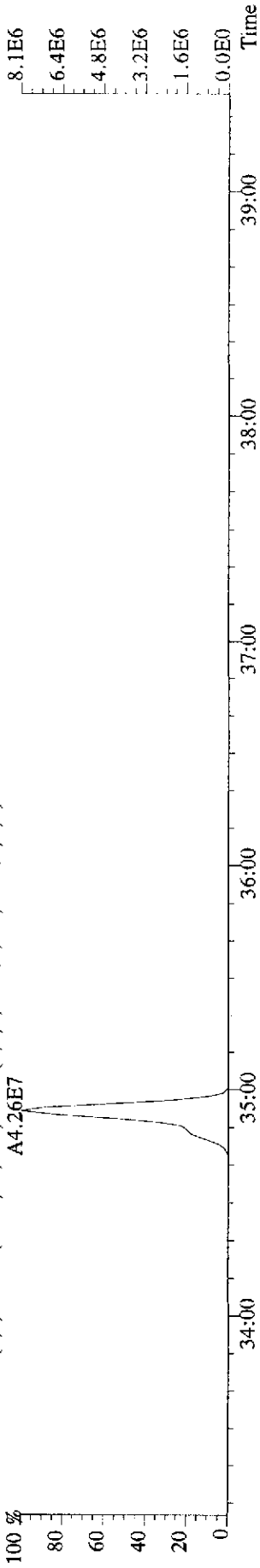
337.9207 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,2100,0,0.00%,F,T)



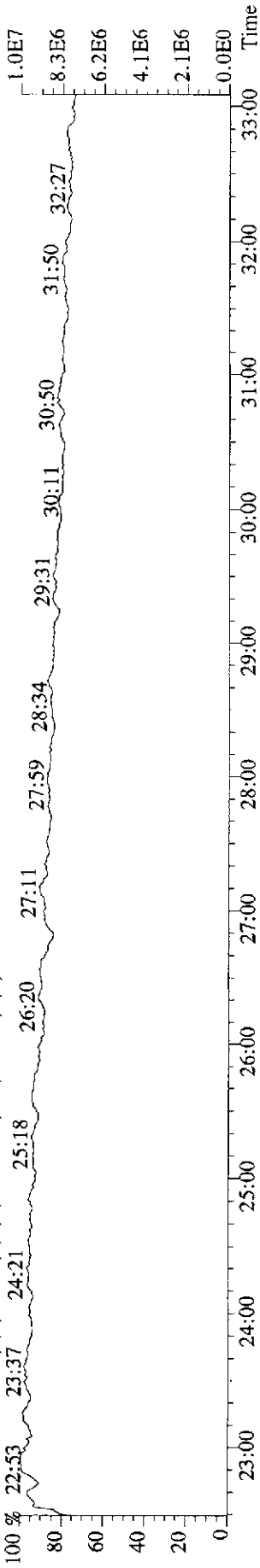
File:22JL099D5 #1-386 Acq:22-JUL-2009 18:18:06 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: :G9F300243-1LCS Exp:209DB5  
 439.8038 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4,0,0,00%,F,T)  
 A3.88E7



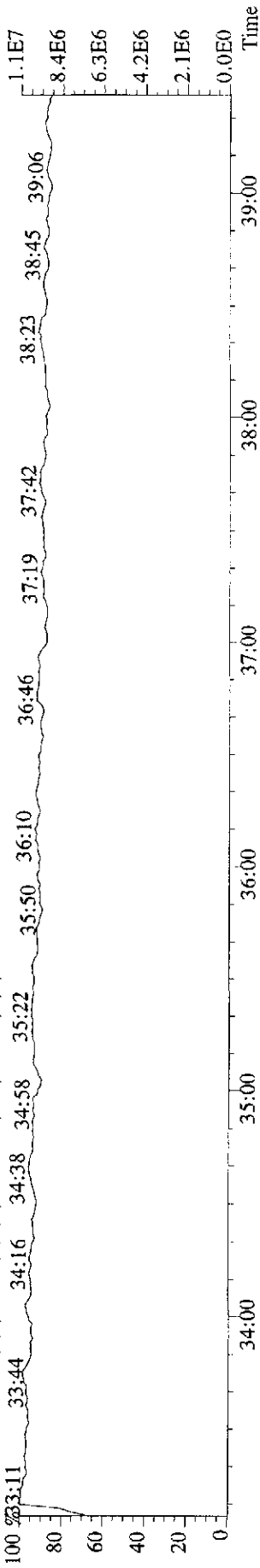
441.8008 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4,0,0,00%,F,T)  
 A4.26E7



380.9760 S:5 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 100% 22:53 23:37 24:21 25:18 26:20 27:11 27:59 28:34 29:31 30:11 30:50 31:50 32:27

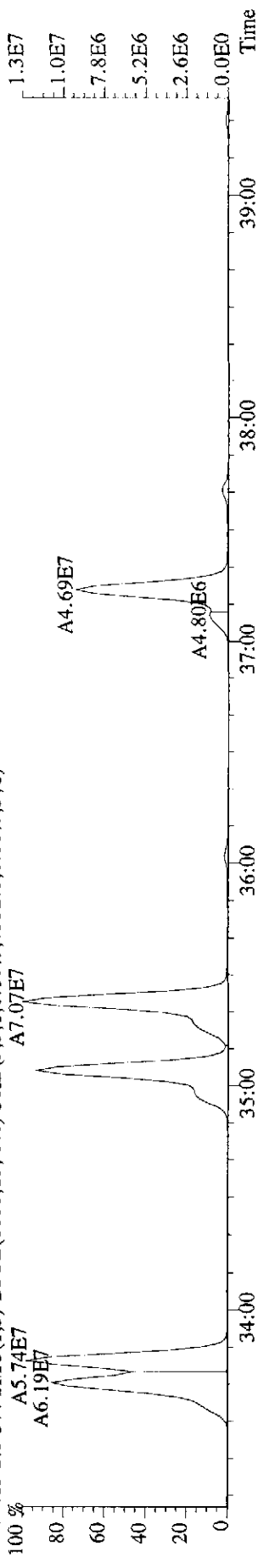


380.9760 S:5 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 100% 23:11 33:44 34:16 34:38 34:58 35:22 35:50 36:10 36:46 37:19 37:42 38:23 38:45 39:06

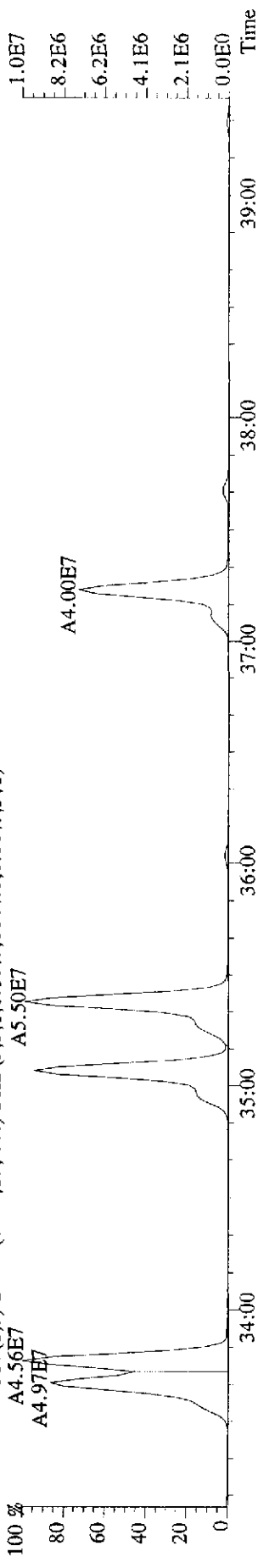


File: 22JL099D5 #1-386 Acq: 22-JUL-2009 18:18:06 GC EI+ Voltage SIR Autospec-UltimaE

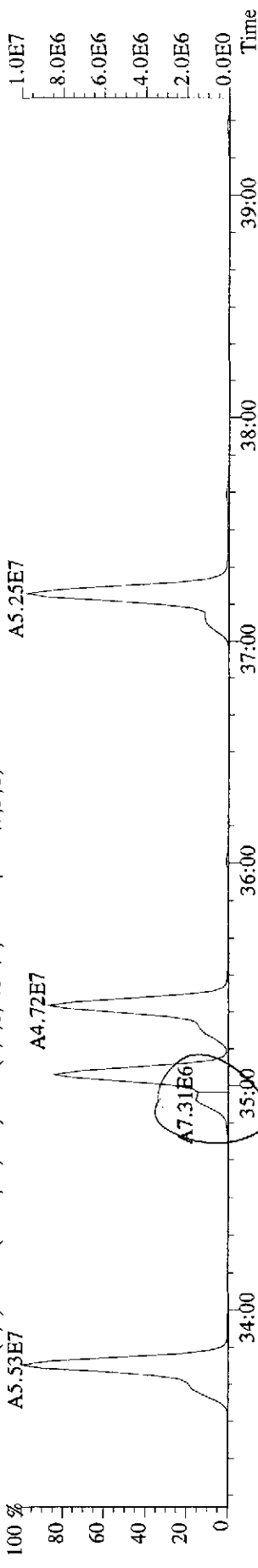
Sample# 5 Text: : G9F300243-ILCS Exp: 209DB5  
359.8415 S: 5 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,1.0%,7352.0,0.00%,F,T)



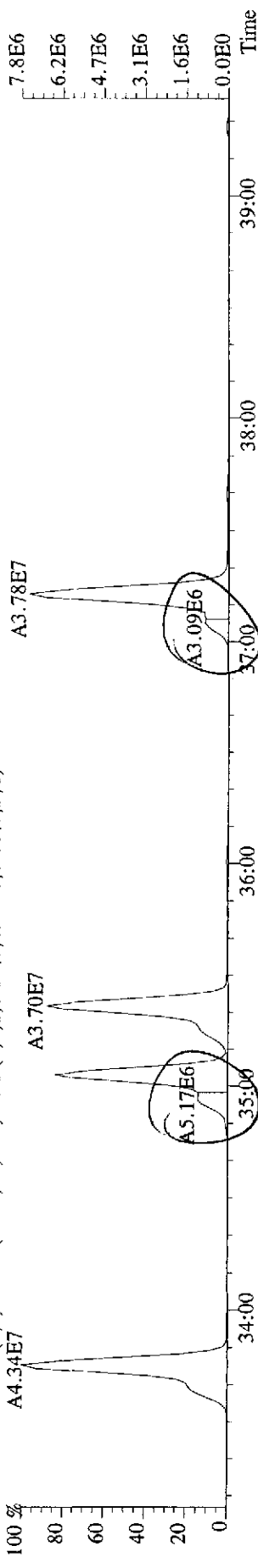
361.8385 S: 5 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,1.0%,6644.0,0.00%,F,T)



371.8817 S: 5 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,1.0%,6900.0,0.00%,F,T)

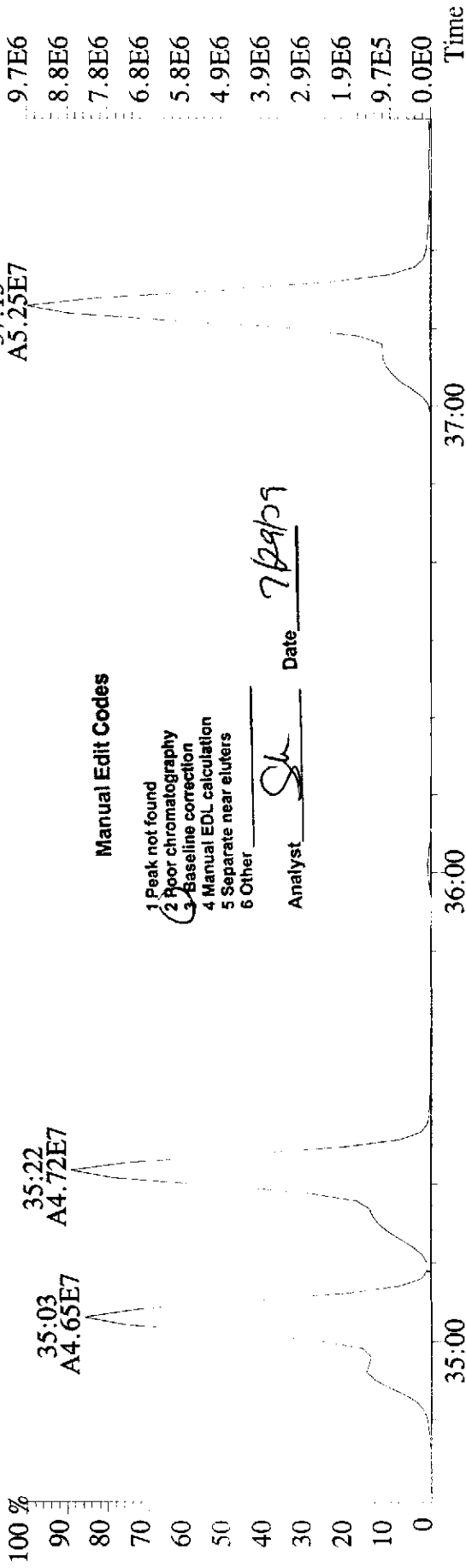


373.8788 S: 5 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,1.0%,6368.0,0.00%,F,T)





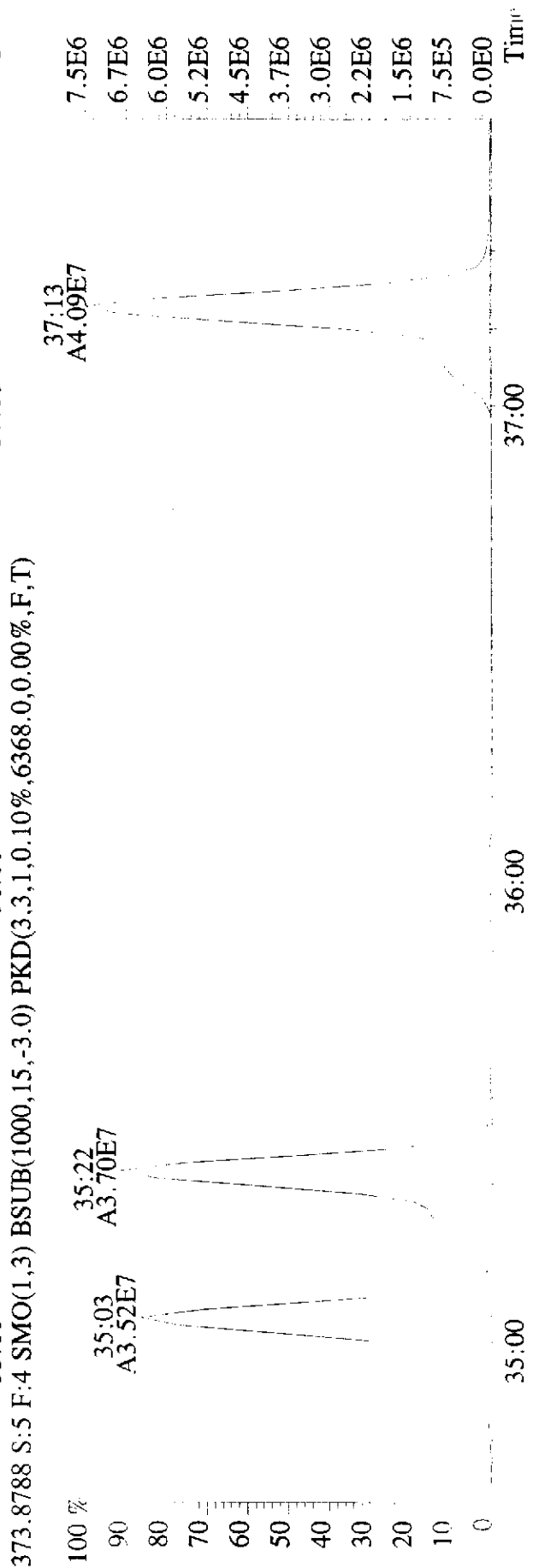
File: 22JL099D5 #1-386 Acq: 22-JUL-2009 18:18:06 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#5 Text: :G9F300243-1L Exp:209DB5  
 371.8817 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6900.0,0.00%,F,T)



**Manual Edit Codes**

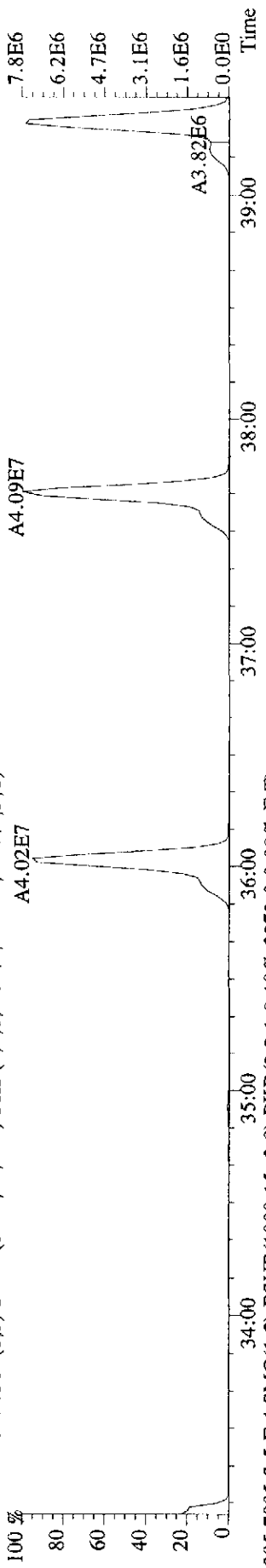
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst SK Date 7/29/09

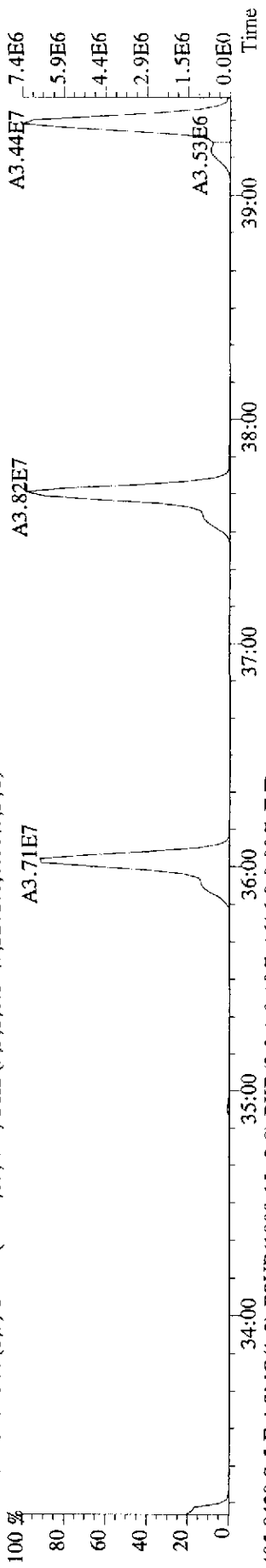


File:22JL099D5 #1-386 Acq:22-JUL-2009 18:18:06 GC EI+ Voltage SIR Autospec-UltimaE

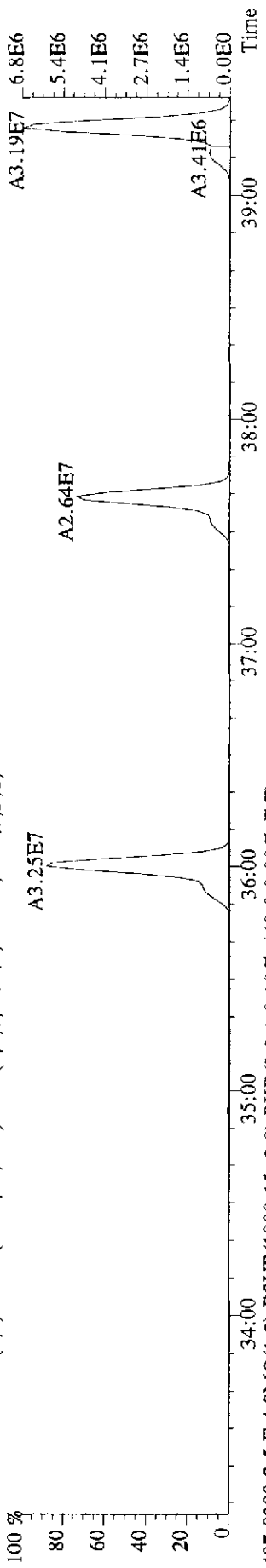
Sample#5 Text: :G9F300243-1LCS Exp:209DB5  
393.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2316.0,0.00%,F,T)



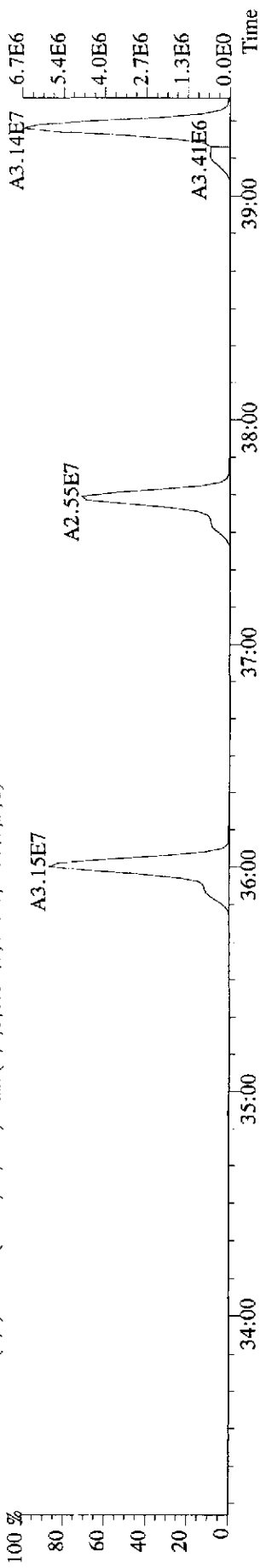
395.7995 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2272.0,0.00%,F,T)



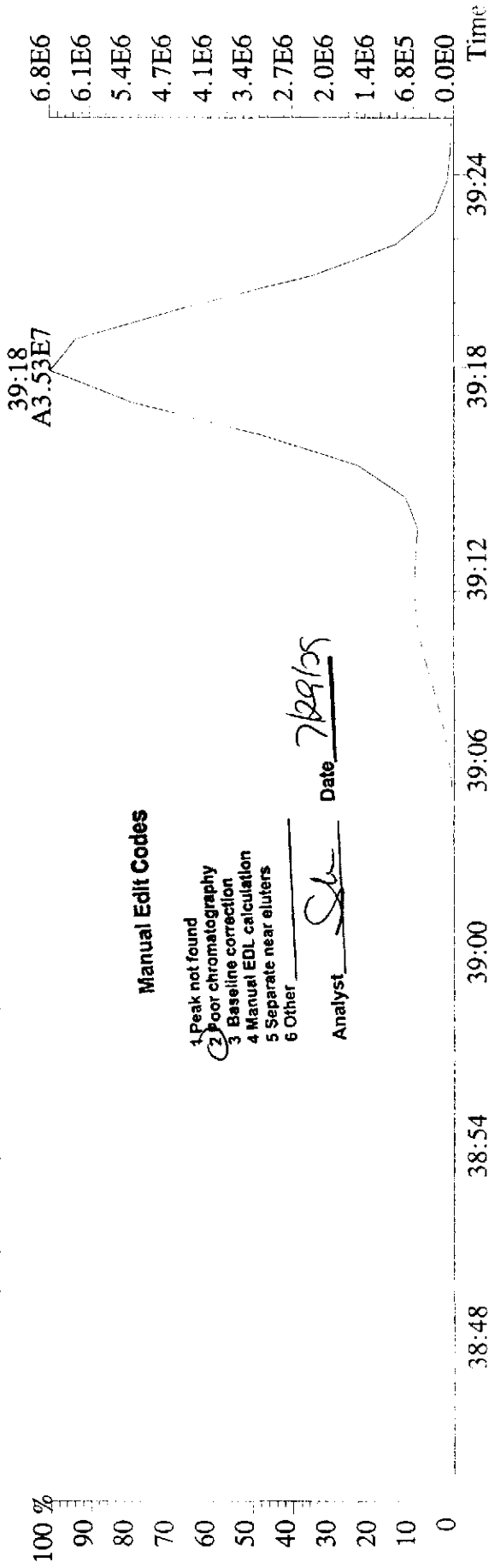
405.8428 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1616.0,0.00%,F,T)



407.8398 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,440.0,0.00%,F,T)



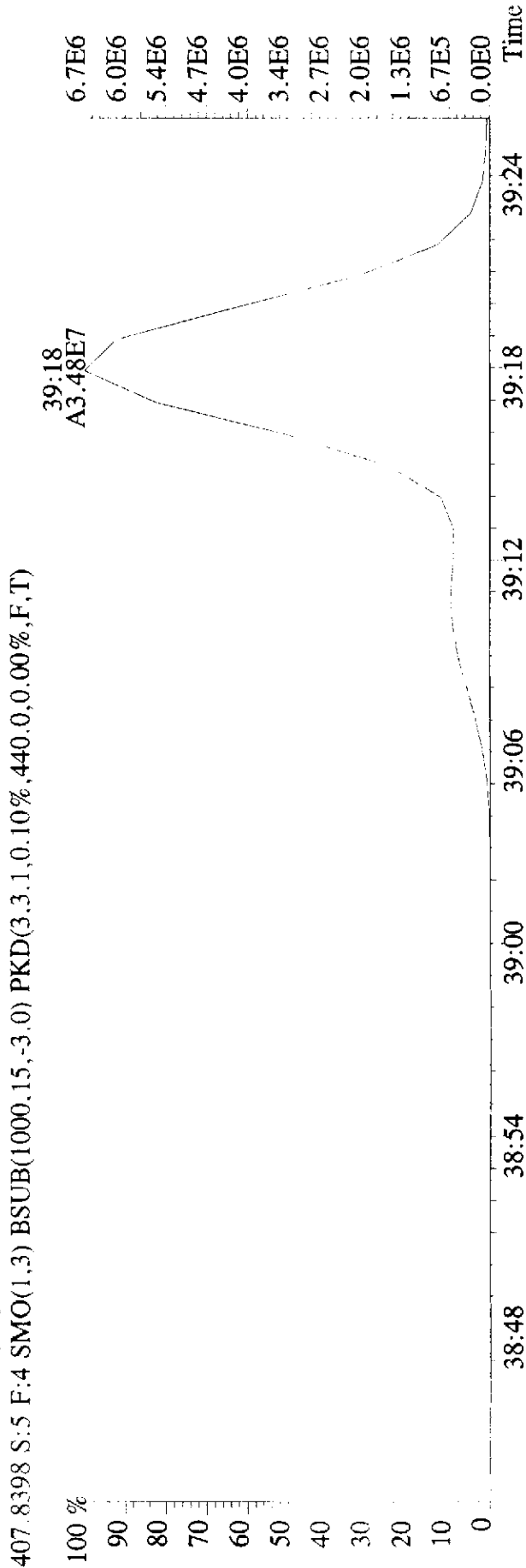
File: 22IL099D5 #1-386 Acq: 22-JUL-2009 18:18:06 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#5 Text: : G9F300243-1L Exp: 209DB5  
 405.8428 S: 5 F: 4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,1616.0,0.00%,F,T)



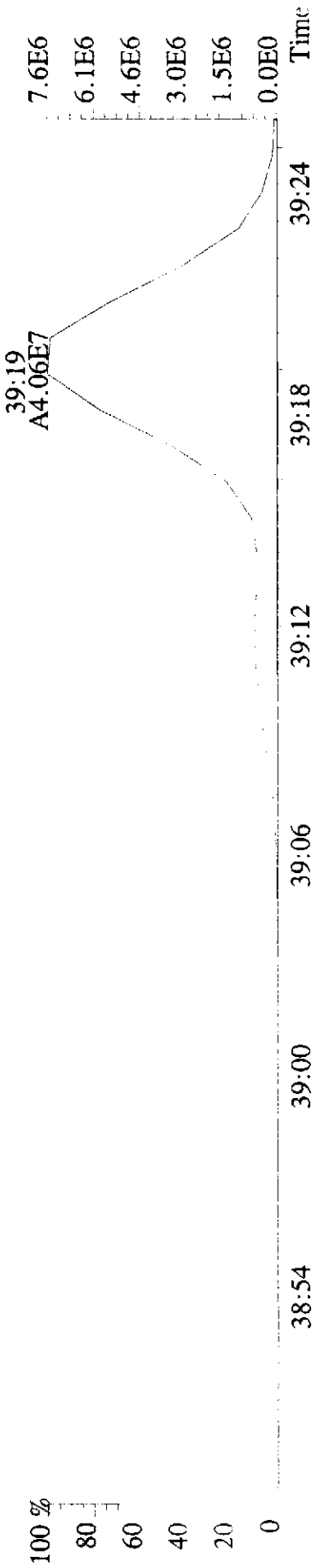
**Manual Edit Codes**

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

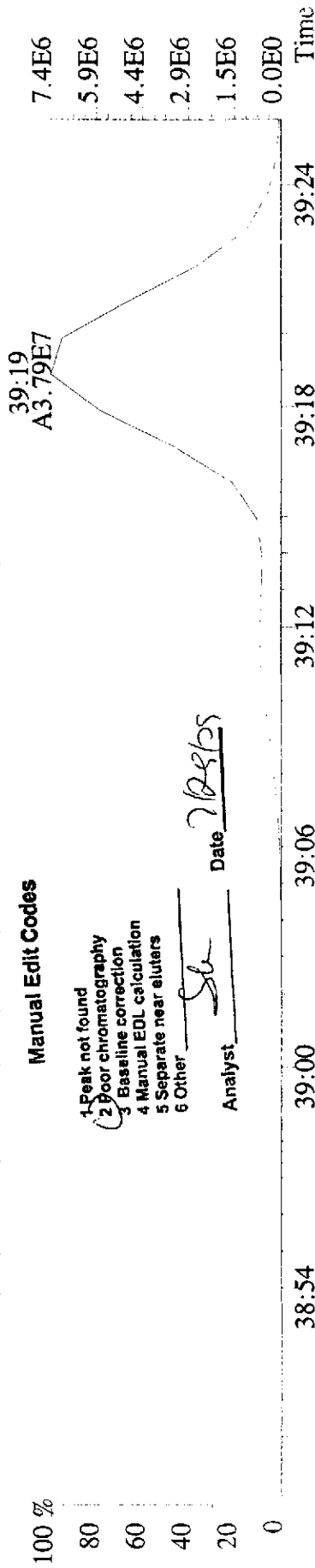
Analyst Sh Date 7/29/09



File: 22JL099D5 #1-386 Acq: 22-JUL-2009 18:18:06 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#5 Text: :G9F300243-1L Exp:209DB5  
 393.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2316.0,0.00%,F,T)



395.7995 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2272.0,0.00%,F,T)

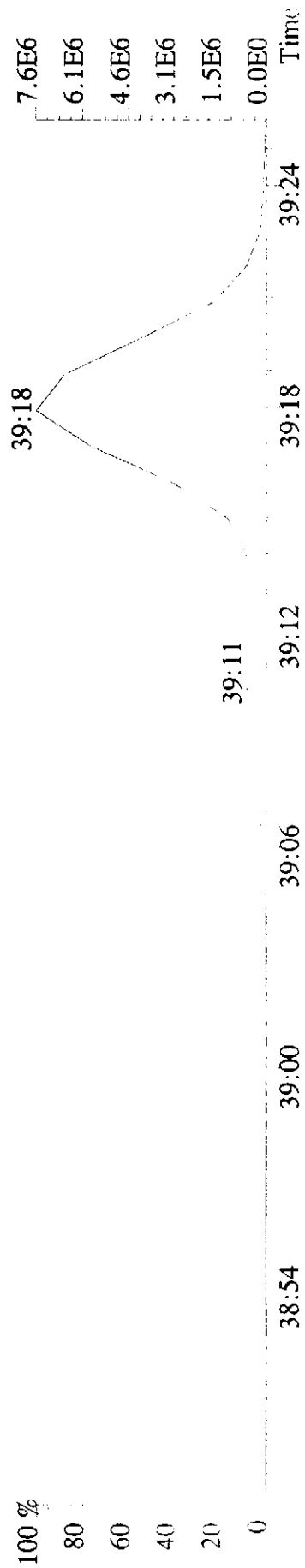


**Manual Edit Codes**

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst: Su Date: 7/28/09

407.8398 S:5 F:4



Run text: LfV93-1-AC      Sample text: LfV93-1-AC :G9F300243-1  
 Run #9    Filename: 22JL099D5    S: 6    I: 1    Results: 22jl099d51668msl  
 Acquired: 22-JUL-09    19:09:29    Processed: 24-JUL-09    16:23:21  
 Run: 22JL099D5      Analyte: 1668MSL      Cal: 1668MSL0709099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.50    SAMP

*20.000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	29818600	0.67 y	25:41	-	28.20	-	-	n
13C-TCB-81	28292100	0.82 y	27:14	1.11	3410.31	22.60	85.3	n
TCB-81	1317489	0.47 n	27:14	1.33	140.35	59.62	-	n
13C-TCB-77	27492100	0.82 y	27:46	1.16	3174.99	21.65	79.4	n
TCB-77	2260007	0.92 n	27:47	1.17	280.21	66.37	-	n
13C-PeCB-123	29145600	0.66 y	29:08	0.97	4040.51	8.51	101.0	y
PeCB-123	1608944	0.59 y	28:49	1.65	133.56	21.44	-	n
13C-PeCB-118	31461000	0.67 y	29:15	1.01	4198.96	8.19	105.0	y
PeCB-118/106	2165190	0.55 y	29:01	1.65	167.33	21.10	-	n
13C-PeCB-114	32234300	0.65 y	29:54	1.03	4216.47	8.03	105.4	n
PeCB-114	*	* n	NotFnd	1.73	*	20.75	-	n
13C-PeCB-105	31704100	0.68 y	30:45	0.97	4384.03	8.49	109.6	n
PeCB-105/127	*	* n	NotFnd	1.53	*	25.38	-	n
13C-PeCB-126	35748200	0.68 y	32:38	1.00	4815.00	8.27	120.4	n
PeCB-126	*	* n	NotFnd	1.27	*	25.90	-	n
13C-OcCB-202	47017900	0.95 y	34:53	-	40.50	-	-	n
13C-HxCB-167	56419000	1.29 y	33:44	1.04	4597.60	9.76	114.9	n
HxCB-167	5546090	1.22 y	33:41	1.10	357.61	10.08	-	n
13C-HxCB-156	48363500	1.30 y	35:01	0.84	4904.83	12.14	122.6	n
HxCB-156	2089365	1.33 y	35:02	1.50	114.89	8.65	-	n
13C-HxCB-157	47308500	1.27 y	35:19	0.88	4569.96	11.57	114.2	n
HxCB-157	475834	0.96 n	35:20	1.50	26.91	8.68	-	n
13C-HxCB-169	56802300	1.33 y	37:09	0.92	5264.79	11.10	131.6	n
HxCB-169	*	* n	NotFnd	0.99	*	12.66	-	n
13C-HpCB-180	38303700	1.01 y	35:58	0.74	4382.28	7.79	109.6	n
HpCB-180	13521220	1.09 y	35:59	1.32	1072.26	6.16	-	n
13C-HpCB-170	32120100	1.02 y	37:36	0.61	4471.09	9.47	111.8	n
HpCB-170/190	3751720	1.09 y	37:37	1.63	287.12	5.93	-	n
13C-HpCB-189	44484100	1.00 y	39:12	0.76	4967.84	7.60	124.2	n
HpCB-189	*	* n	NotFnd	1.22	*	5.42	-	n
13C-PeCB-111	37252800	0.65 y	27:08	1.32	3517.81	6.51	87.9	n

*CR*

|

*422*

|

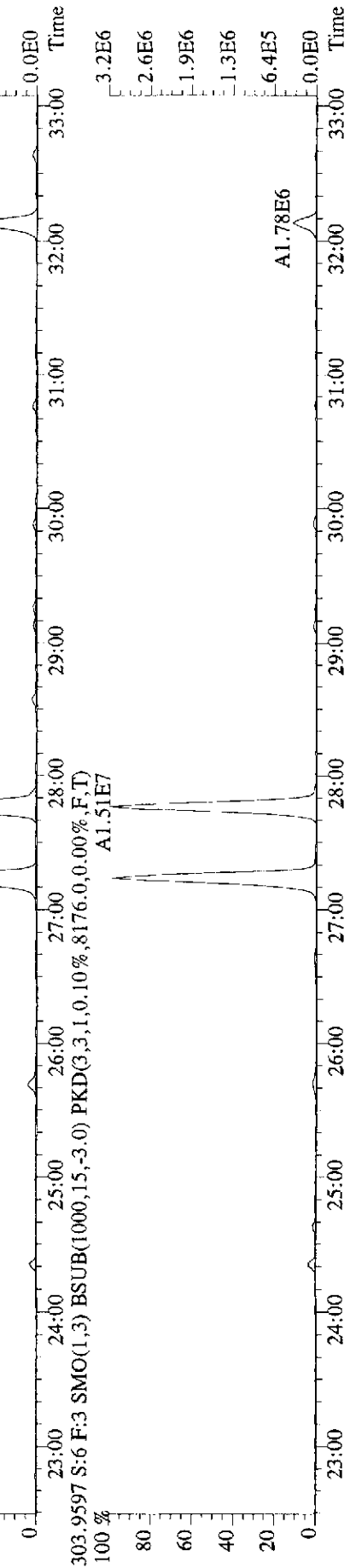
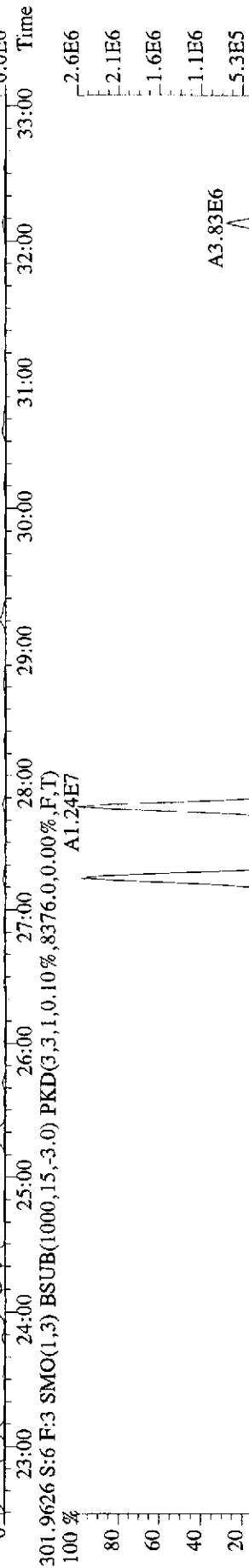
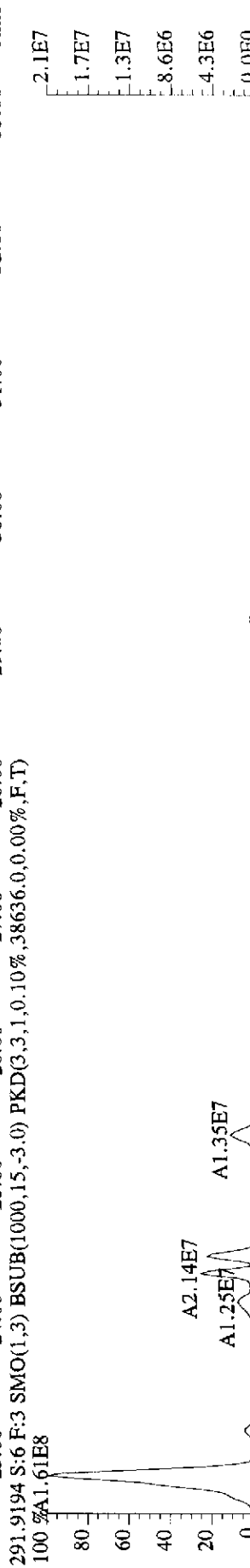
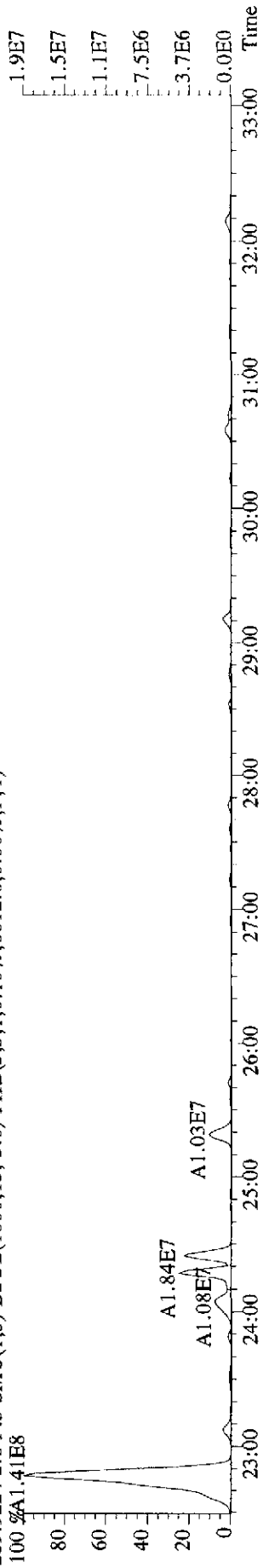
*See 7/29/09*

Run text: Lfv93-1-AC Sample text: Lfv93-1-AC :G9F300243-1  
 Run #9 Filename: 22JL099D5 S: 6 I: 1 Results: 22JL099D51668MSL  
 Acquired: 22-JUL-09 19:09:29 Processed: 24-JUL-09 16:23:21  
 Run: 22JL099D5 Analyte: 1668MSL Cal: 1668MSL0709099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000SAMP

*RL = 1000*

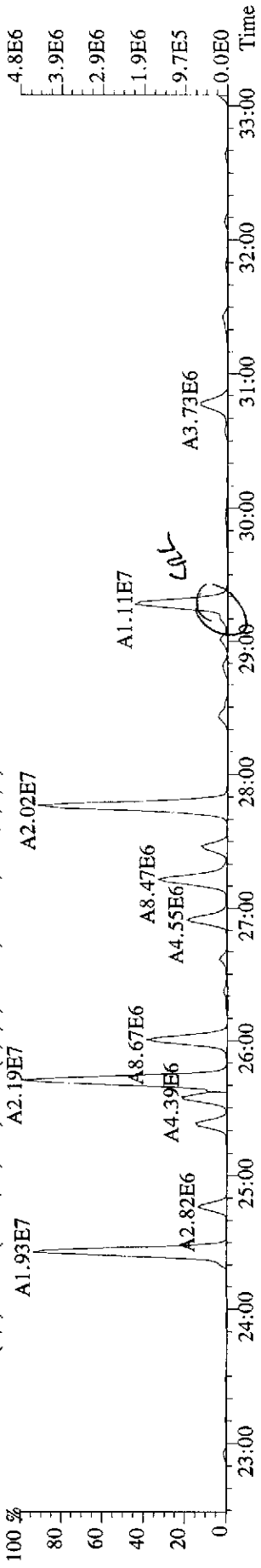
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	29818600	0.67 y	25:41	-	28.20	-	-	n
13C-TCB-81	28292100	0.82 y	27:14	1.11	3410.31	22.60	85.3	n
TCB-81	1317489	0.47 n	27:14	1.33	140.35	59.62	-	n
13C-TCB-77	27492100	0.82 y	27:46	1.16	3174.99	21.65	79.4	n
TCB-77	2260007	0.92 n	27:47	1.17	280.21	66.37	-	n
13C-PeCB-123	30244700	0.62 y	29:08	0.97	4192.88	8.51	104.8	n
PeCB-123	1608944	0.59 y	28:49	1.65	128.71	21.32	-	n
13C-PeCB-118	28591507	0.71 <i>(n)</i>	29:15	1.01	3815.99	8.19	95.4	n
PeCB-118/106	2165190	0.55 y	29:01	1.65	184.12	22.53	-	n
13C-PeCB-114	32234300	0.65 y	29:54	1.03	4216.47	8.03	105.4	n
PeCB-114	*	* n	NotFnd	1.73	*	20.75	-	n
13C-PeCB-105	31704100	0.68 y	30:45	0.97	4384.03	8.49	109.6	n
PeCB-105/127	*	* n	NotFnd	1.53	*	25.38	-	n
13C-PeCB-126	35748200	0.68 y	32:38	1.00	4815.00	8.27	120.4	n
PeCB-126	*	* n	NotFnd	1.27	*	25.90	-	n
13C-OcCB-202	47017900	0.95 y	34:53	-	40.50	-	-	n
13C-HxCB-167	56419000	1.29 y	33:44	1.04	4597.60	9.76	114.9	n
HxCB-167	5546090	1.22 y	33:41	1.10	357.61	10.08	-	n
13C-HxCB-156	48363500	1.30 y	35:01	0.84	4904.83	12.14	122.6	n
HxCB-156	2089365	1.33 y	35:02	1.50	114.89	8.65	-	n
13C-HxCB-157	47308500	1.27 y	35:19	0.88	4569.96	11.57	114.2	n
HxCB-157	475834	0.96 n	35:20	1.50	26.91	8.68	-	n
13C-HxCB-169	56802300	1.33 y	37:09	0.92	5264.79	11.10	131.6	n
HxCB-169	*	* n	NotFnd	0.99	*	12.66	-	n
13C-HpCB-180	38303700	1.01 y	35:58	0.74	4382.28	7.79	109.6	n
HpCB-180	13521220	1.09 y	35:59	1.32	1072.26	6.16	-	n
13C-HpCB-170	32120100	1.02 y	37:36	0.61	4471.09	9.47	111.8	n
HpCB-170/190	3751720	1.09 y	37:37	1.63	287.12	5.93	-	n
13C-HpCB-189	44484100	1.00 y	39:12	0.76	4967.84	7.60	124.2	n
HpCB-189	*	* n	NotFnd	1.22	*	5.42	-	n
13C-PeCB-111	*	* n	NotFnd	1.32	*	6.59	<i>(*)</i>	n

File:22JL099D5 #1-597 Acq:22-JUL-2009 19:09:29 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:LFV93-1-AC :G9F300243-1 Exp:209DB5  
 289.9224 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6612.0,0.00%,F,T)  
 100 %A1.41E8

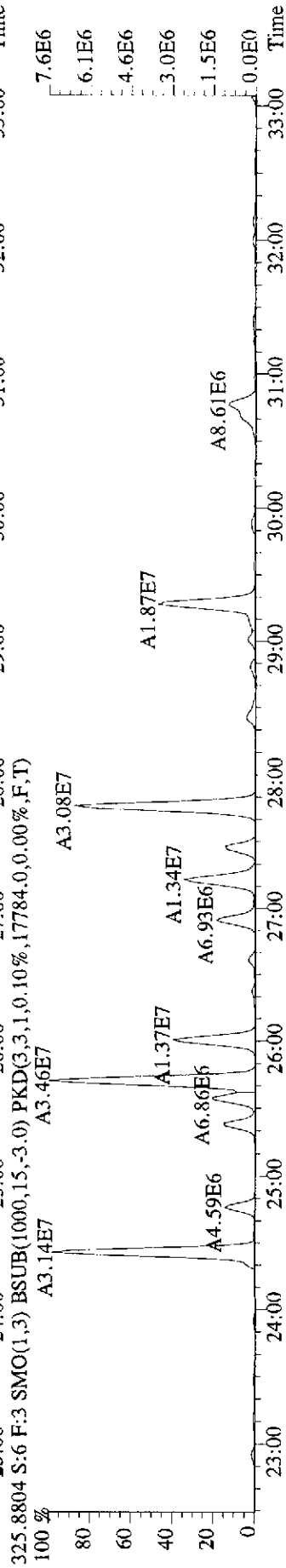


File:22JL099D5 #1-597 Acq:22-JUL-2009 19:09:29 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#6 Text:LFV93-1-AC :G9F300243-1 Exp:209DB5

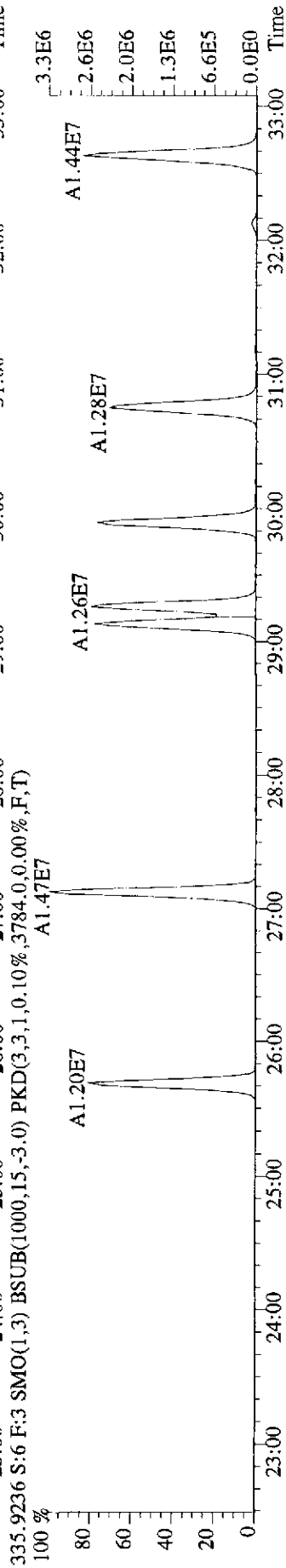
323.8834 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4568,0.000%,F,T)



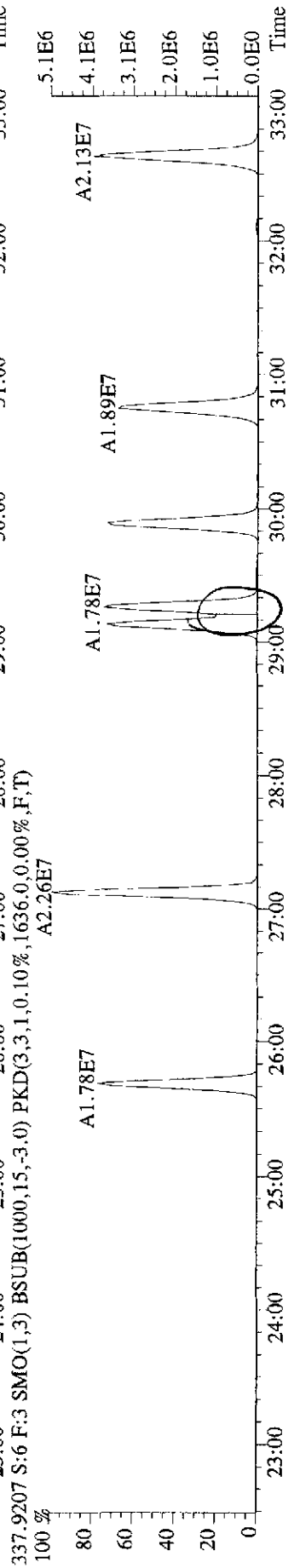
325.8804 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,17784,0.000%,F,T)



335.9236 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3784,0.000%,F,T)

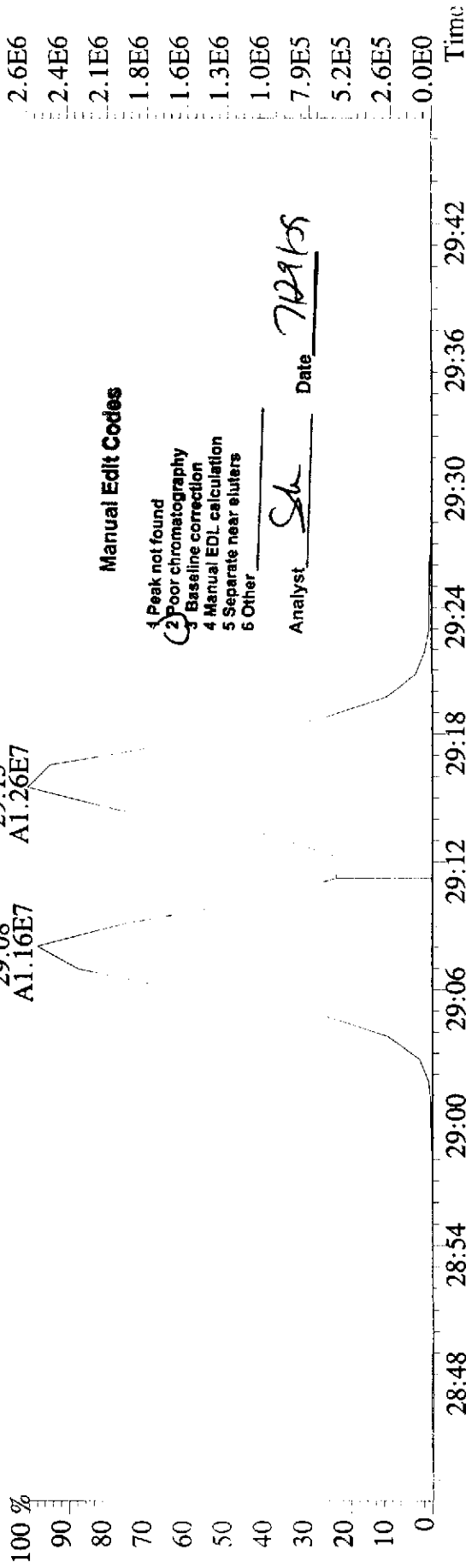


337.9207 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1636,0.000%,F,T)





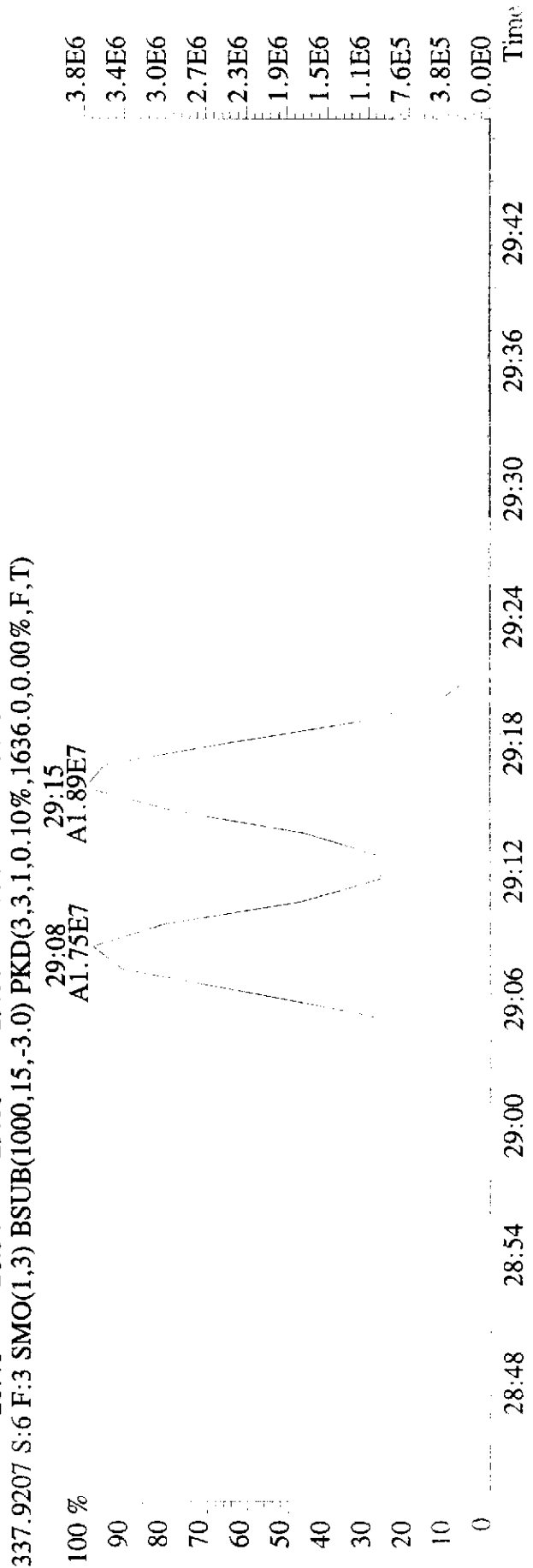
File: 22JL099D5 #1-597 Acq: 22-JUL-2009 19:09:29 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text: LfV93-1-AC : G9F300243-1 Exp: 209DB5  
 335.9236 S: 6 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3784.0,0.00%,F,T)



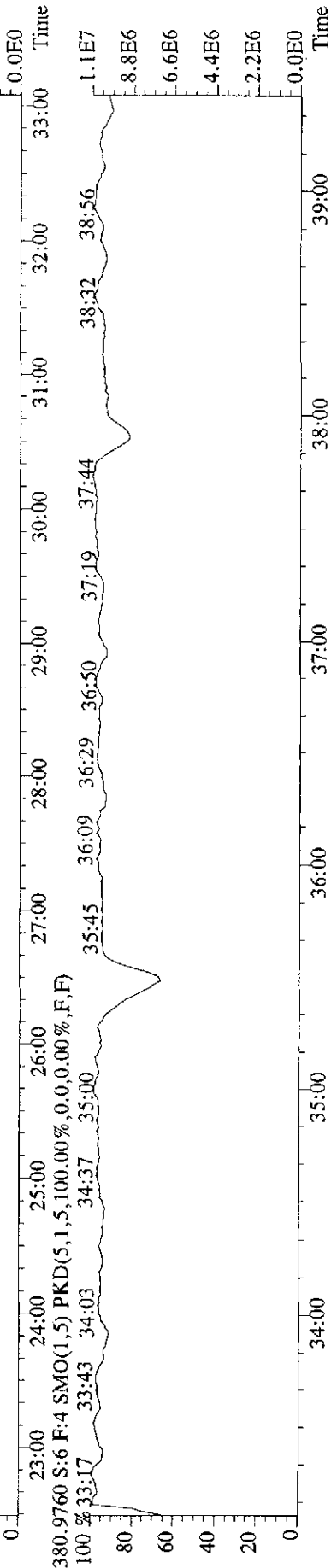
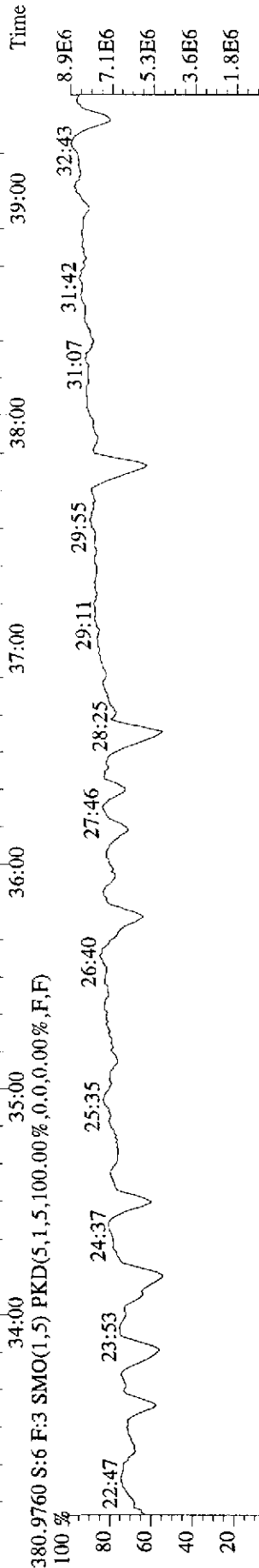
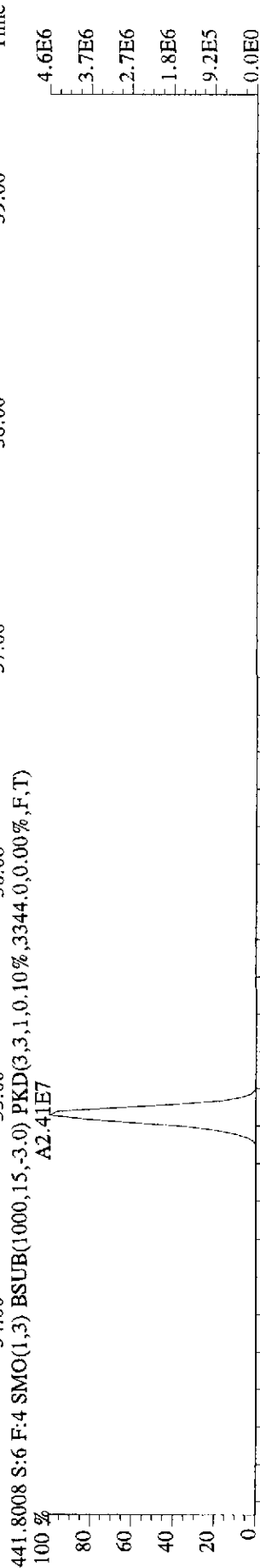
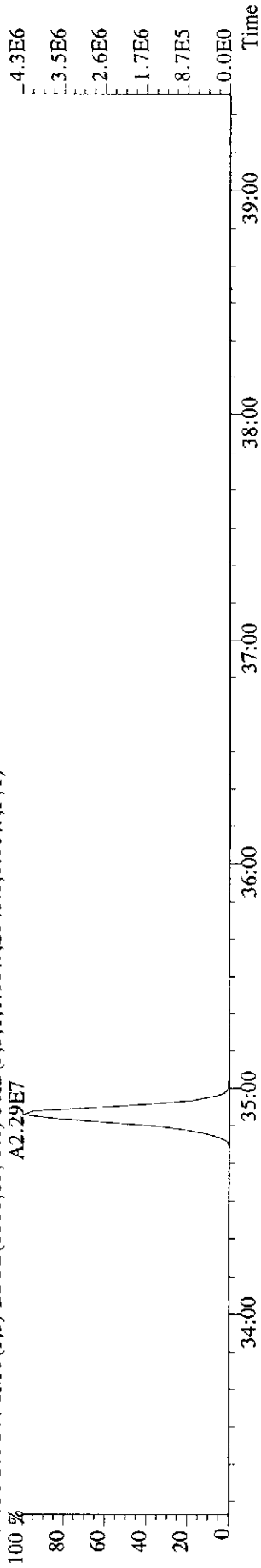
**Manual Edit Codes**

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst Sh Date 7/29/09

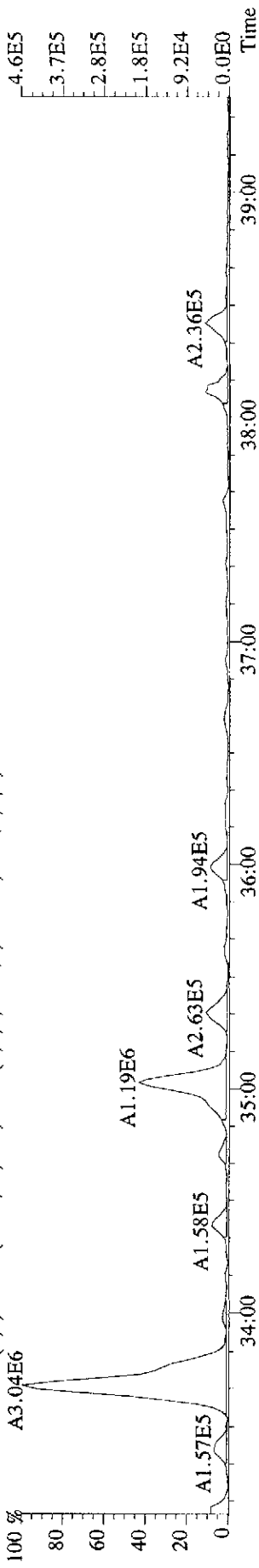


File:22JL099D5 #1-386 Acq:22-JUL-2009 19:09:29 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:LfV93-1-AC :G9F300243-1 Exp:209DB5  
 439.8038 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2048,0.00%,F,T)  
 A2.29E7

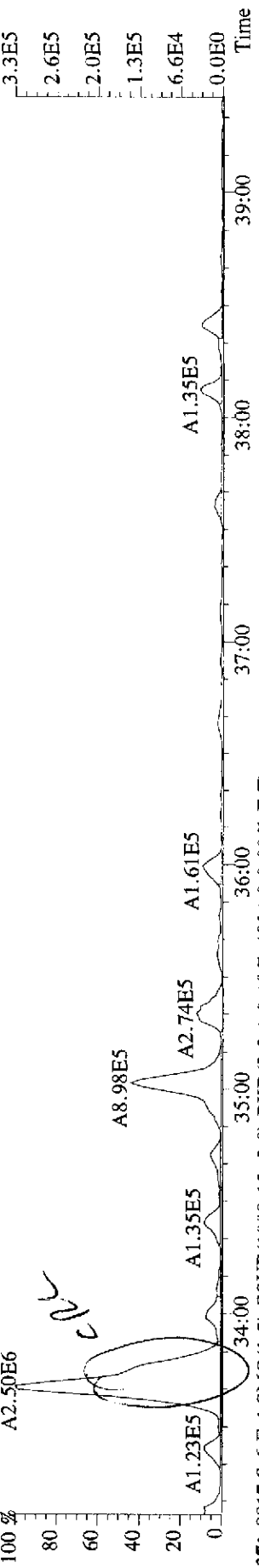


File: 22JL099D5 #1-386 Acq: 22-JUL-2009 19:09:29 GC EI+ Voltage SIR Autospec-UltimaE

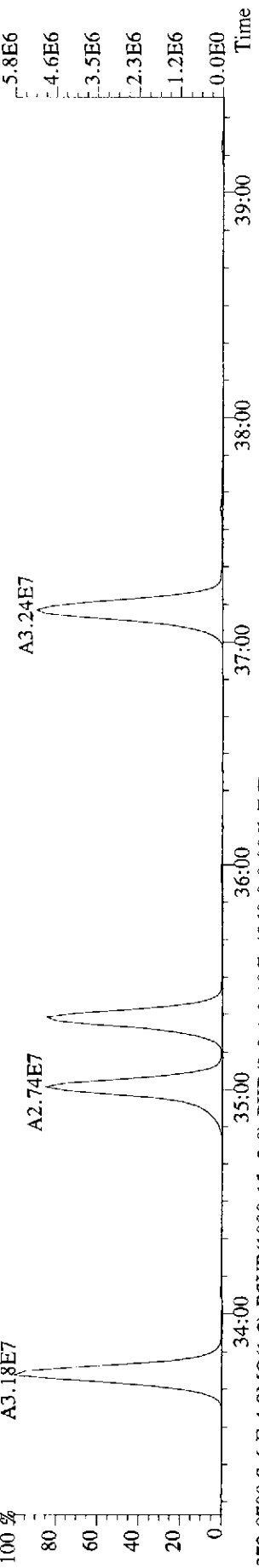
Sample#6 Text: LfV93-1-AC : G9F300243-1 Exp: 209DB5  
359.8415 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6976,0.00%,F,T)



361.8385 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4404,0.00%,F,T)



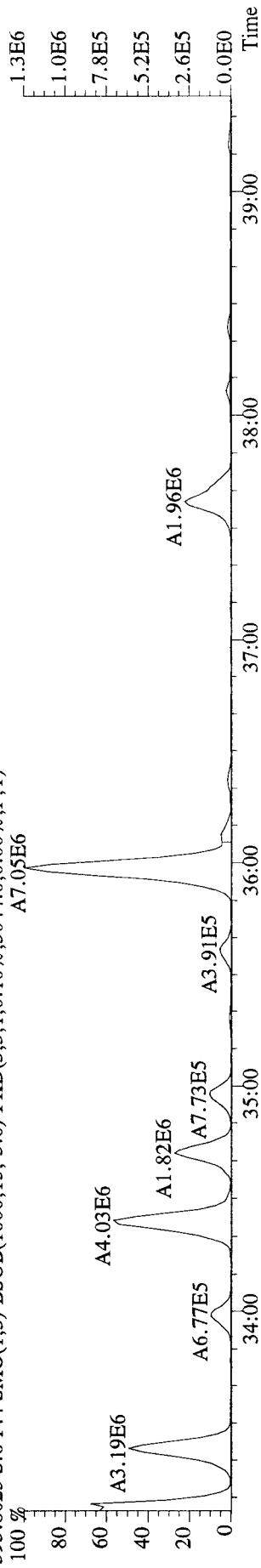
371.8817 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4824,0.00%,F,T)



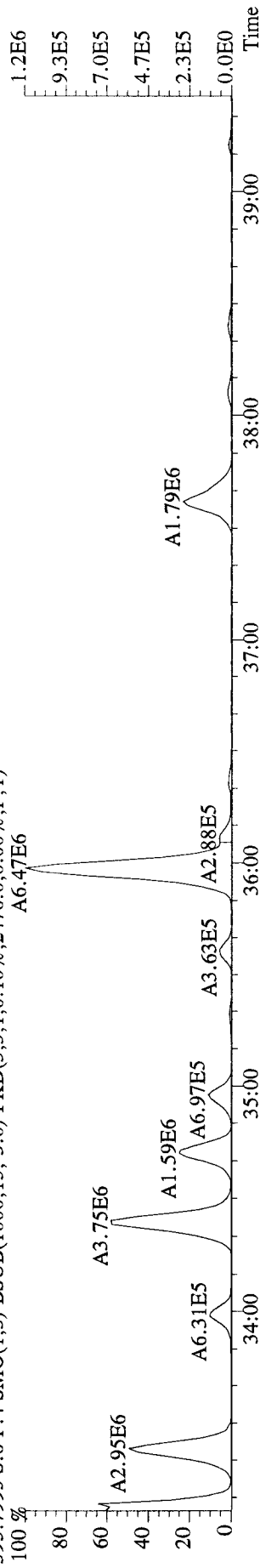
373.8788 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4260,0.00%,F,T)

File: 22JL099D5 #1-386 Acq: 22-JUL-2009 19:09:29 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text: LFV93-1-AC : G9F300243-1 Exp: 209DB5

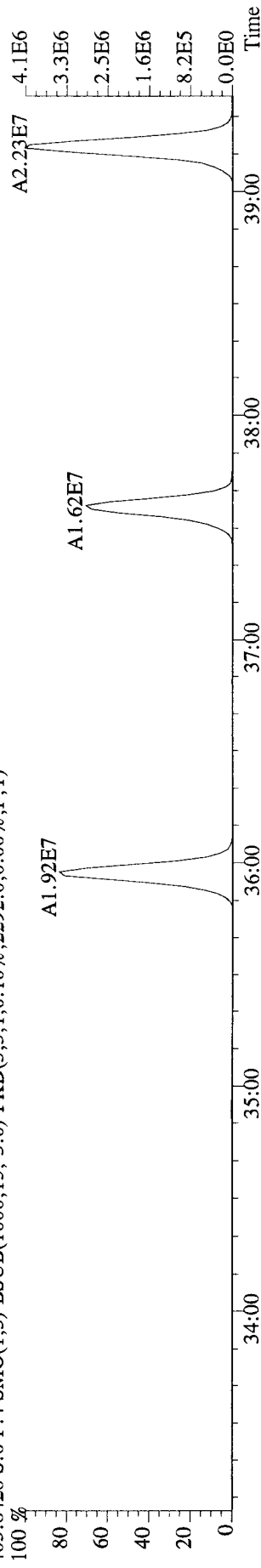
393.8025 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3044.0,0.00%,F,T)  
 A7.05E6



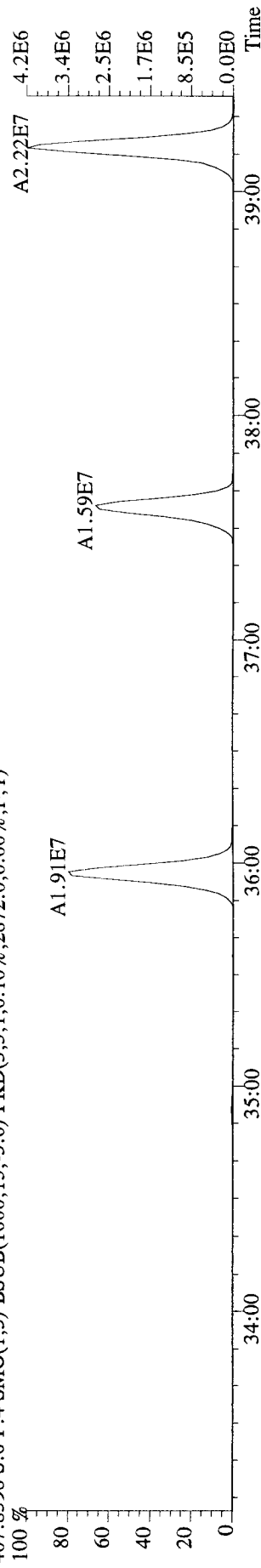
395.7995 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2476.0,0.00%,F,T)  
 A6.47E6



405.8428 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2292.0,0.00%,F,T)  
 A1.92E7



407.8398 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2872.0,0.00%,F,T)  
 A1.91E7



Run text: Lfv97-1-AC      Sample text: Lfv97-1-AC :G9F300243-2(3X)  
 Run #7    Filename: 23JL099D5    S: 12    I: 1      Results: 23jl099d51668msl  
 Acquired: 24-JUL-09    01:28:12      Processed: 27-JUL-09    11:09:23  
 Run: 23JL099D5      Analyte: 1668MSL      Cal: 1668MSL0709099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.50    SAMP

*RL-1000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	14430840	0.68 y	25:35	-	13.65	-	-	n
13C-TCB-81	11963130	0.82 y	27:06	1.11	2979.68	25.38	74.5	n
TCB-81	2549660	0.78 y	27:06	1.33	642.34 <i>cm</i>	74.32	-	n
13C-TCB-77	10428260	0.76 y	27:39	1.16	2488.52	24.32	62.2	n
TCB-77	6659910	0.87 y	27:40	1.17	2176.93 <i>NO/S</i>	93.35	-	n
13C-PeCB-123	11747540	0.66 y	29:01	0.97	3365.16	9.72	84.1	n
PeCB-123	2446867	0.54 y	29:05	1.65	503.95 <i>cm</i>	33.33	-	y
13C-PeCB-118	10899870	0.68 y	29:09	1.01	3005.98	9.36	75.1	n
PeCB-118/106	55272800	0.62 y	29:11	1.65	12329.31 <i>✓ C</i>	35.01	-	y
13C-PeCB-114	12480260	0.64 y	29:47	1.03	3373.26	9.17	84.3	n
PeCB-114	2449396	0.56 y	29:48	1.73	454.84 <i>cm</i>	31.25	-	y
13C-PeCB-105	11242010	0.65 y	30:40	0.97	3212.17	9.70	80.3	n
PeCB-105/127	21909570	0.59 y	30:41	1.53	5097.01 <i>✓ C</i>	42.13	-	n
13C-PeCB-126	12528120	0.62 y	32:32	1.00	3486.78	9.45	87.2	n
PeCB-126	317088	0.74 n	32:33	1.27	79.65 <i>cm</i>	42.22	-	y
13C-OcCB-202	14042080	0.92 y	34:49	-	12.09	-	-	n
13C-HxCB-167	12223800	1.23 y	33:39	1.04	3335.37	29.55	83.4	n
HxCB-167	2268530	1.22 y	33:36	1.10	675.12 <i>cm</i>	14.78	-	n
13C-HxCB-156	10703790	1.34 y	34:56	0.84	3634.76	36.77	90.9	n
HxCB-156	1017677	1.43 n	34:57	1.50	252.85	13.24	-	n
13C-HxCB-157	10510700	1.29 y	35:15	0.88	3399.67	35.03	85.0	n
HxCB-157	251832	1.49 n	35:16	1.50	64.09	12.93	-	n
13C-HxCB-169	11644540	1.25 y	37:04	0.92	3613.84	33.61	90.3	n
HxCB-169	*	* n	NotFnd	0.99	*	17.32	-	n
13C-HpCB-180	8954010	1.05 y	35:53	0.74	3430.12	15.18	85.8	n
HpCB-180	7412570	1.05 y	35:54	1.32	2514.64 <i>✓</i>	2.65	-	n
13C-HpCB-170	7603270	1.04 y	37:32	0.61	3543.80	18.47	88.6	n
HpCB-170/190	2212350	1.07 y	37:33	1.63	715.26 <i>cm</i>	2.50	-	n
13C-HpCB-189	10257890	1.00 y	39:08	0.76	3835.77	14.82	95.9	n
HpCB-189	51726	1.67 n	39:09	1.22	16.51 <i>L</i>	2.39	-	n
13C-PeCB-111	15106000	0.64 y	27:00	1.32	3882.21	10.76	97.1	n

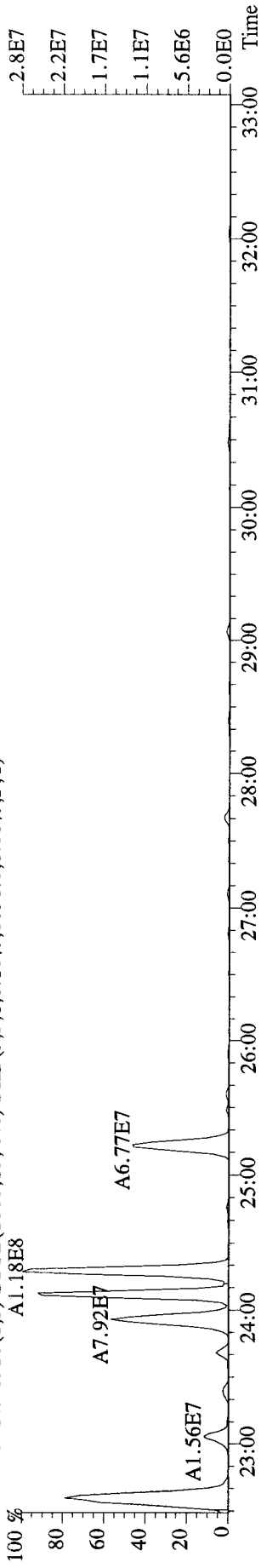
*Sh 7/29/09*

Run text: LFV97-1-AC Sample text: LFV97-1-AC :G9F300243-2(3X)  
 Run #7 Filename: 23JL099D5 S: 12 I: 1 Results: 23JL099D51668MSL  
 Acquired: 24-JUL-09 01:28:12 Processed: 27-JUL-09 11:09:23  
 Run: 23JL099D5 Analyte: 1668MSL Cal: 1668MSL0709099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000SAMP

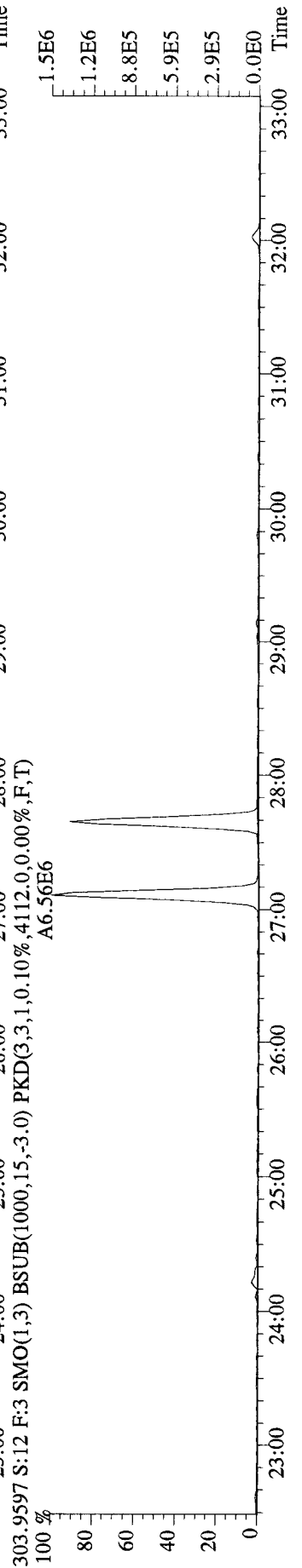
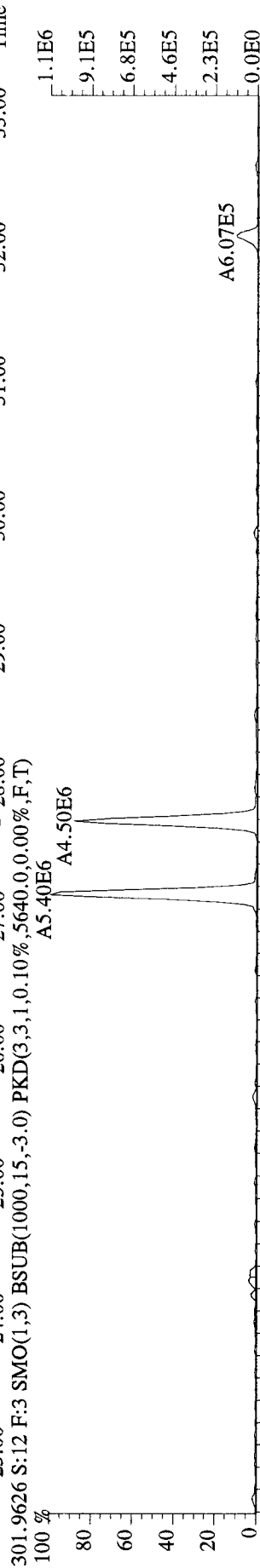
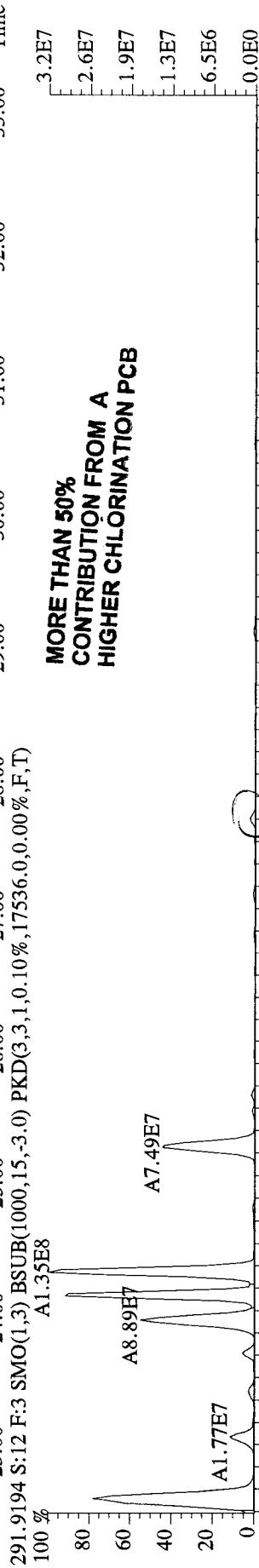
*2C-1000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	14430840	0.68 y	25:35	-	13.65	-	-	n
13C-TCB-81	11963130	0.82 y	27:06	1.11	2979.68	25.38	74.5	n
TCB-81	2549660	0.78 y	27:06	1.33	642.34	74.32	-	n
13C-TCB-77	10428260	0.76 y	27:39	1.16	2488.52	24.32	62.2	n
TCB-77	6659910	0.87 y	27:40	1.17	2176.93	93.35	-	n
13C-PeCB-123	11747540	0.66 y	29:01	0.97	3365.16	9.72	84.1	n
PeCB-123	4550420	0.60 y	28:54	1.65	937.18	33.33	-	n
13C-PeCB-118	10899870	0.68 y	29:09	1.01	3005.98	9.36	75.1	n
PeCB-118/106	*	* n	NotFnd	1.65	*	35.01	-	n
13C-PeCB-114	12480260	0.64 y	29:47	1.03	3373.26	9.17	84.3	n
PeCB-114	*	* n	NotFnd	1.73	*	31.25	-	n
13C-PeCB-105	11242010	0.65 y	30:40	0.97	3212.17	9.70	80.3	n
PeCB-105/127	322032	1.10 n	30:29	1.53	74.92	42.13	-	n
13C-PeCB-126	12528120	0.62 y	32:32	1.00	3486.78	9.45	87.2	n
PeCB-126	*	* n	NotFnd	1.27	*	42.22	-	n
13C-OcCB-202	14042080	0.92 y	34:49	-	12.09	-	-	n
13C-HxCB-167	12223800	1.23 y	33:39	1.04	3335.37	29.55	83.4	n
HxCB-167	2268530	1.22 y	33:36	1.10	675.12	14.78	-	n
13C-HxCB-156	10703790	1.34 y	34:56	0.84	3634.76	36.77	90.9	n
HxCB-156	1017677	1.43 n	34:57	1.50	252.85	13.24	-	n
13C-HxCB-157	10510700	1.29 y	35:15	0.88	3399.67	35.03	85.0	n
HxCB-157	251832	1.49 n	35:16	1.50	64.09	12.93	-	n
13C-HxCB-169	11644540	1.25 y	37:04	0.92	3613.84	33.61	90.3	n
HxCB-169	*	* n	NotFnd	0.99	*	17.32	-	n
13C-HpCB-180	8954010	1.05 y	35:53	0.74	3430.12	15.18	85.8	n
HpCB-180	7412570	1.05 y	35:54	1.32	2514.64	2.65	-	n
13C-HpCB-170	7603270	1.04 y	37:32	0.61	3543.80	18.47	88.6	n
HpCB-170/190	2212350	1.07 y	37:33	1.63	715.26	2.50	-	n
13C-HpCB-189	10257890	1.00 y	39:08	0.76	3835.77	14.82	95.9	n
HpCB-189	51726	1.67 n	39:09	1.22	16.51	2.39	-	n
13C-PeCB-111	*	* n	NotFnd	1.32	*	10.76	*	n

File:23JL099D5 #1-597 Acq:24-JUL-2009 01:28:12 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#12 Text:Lfv97-1-AC :G9F300243-2(3X) Exp:209DB5  
 289.9224 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8036.0,0.00%,F,T)



**MORE THAN 50%  
 CONTRIBUTION FROM A  
 HIGHER CHLORINATION PCB**

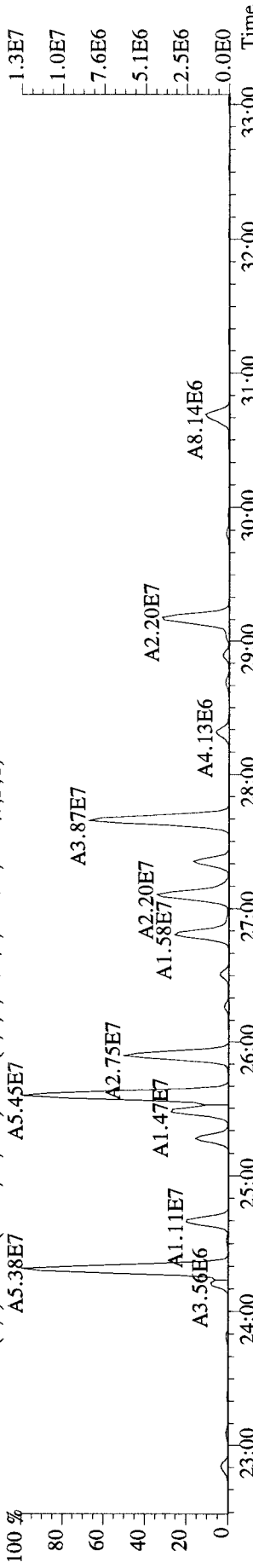


File:23JL099D5 #1-597 Acq:24-JUL-2009 01:28:12 GC EI+ Voltage SIR Autospec-UltimaE

Sample#12 Text:LFV97-1-AC :G9F300243-2(3X) Exp:209DB5

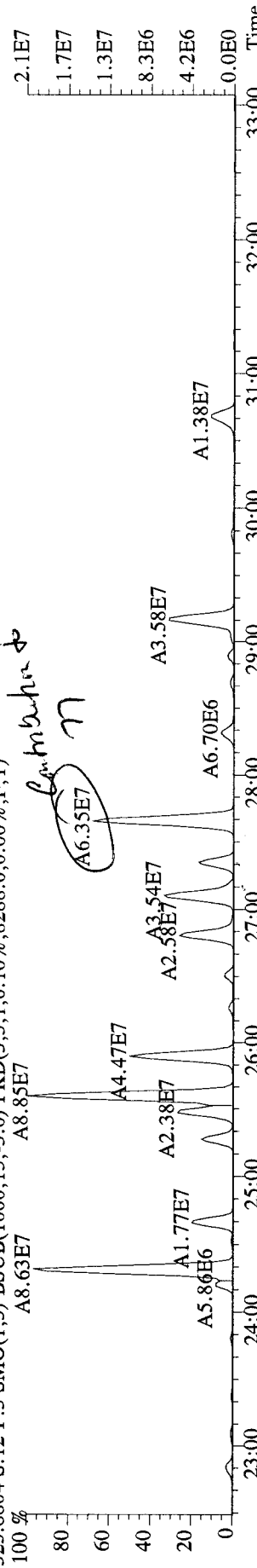
323.8834 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4684,0.000%,F,T)

100 % A5.38E7 A5.45E7



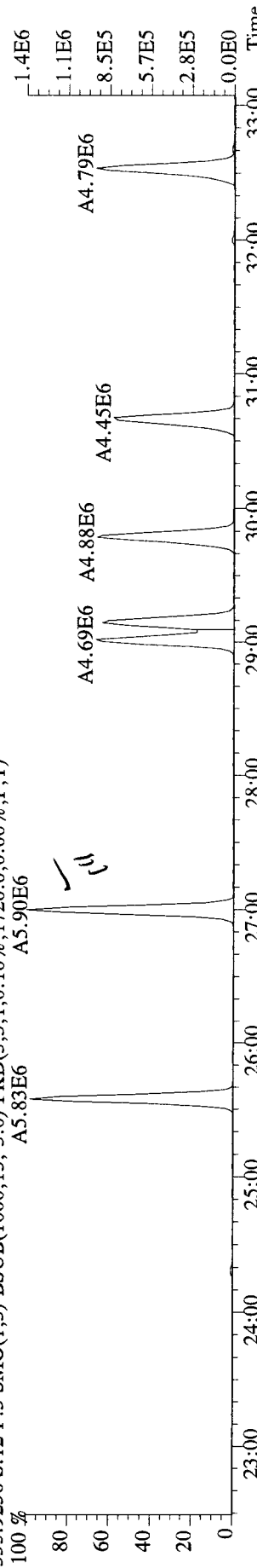
325.8804 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8288,0.000%,F,T)

100 % A8.63E7 A8.85E7



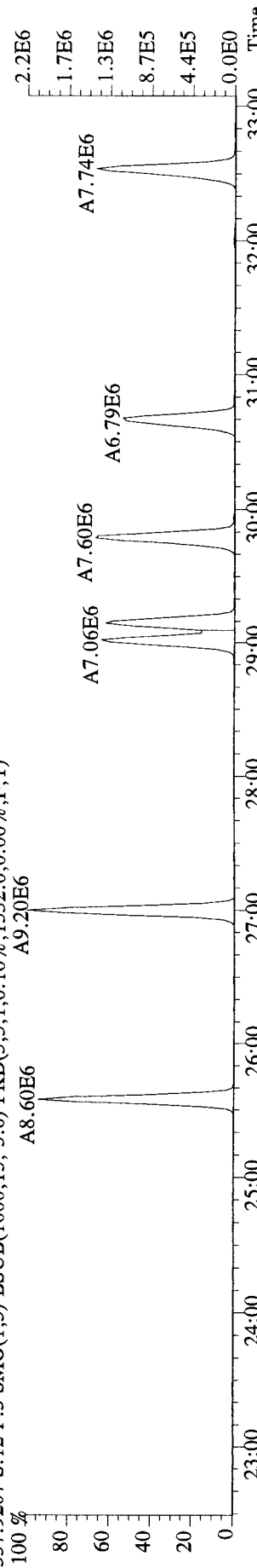
335.9236 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1720,0.000%,F,T)

100 % A5.83E6 A5.90E6



337.9207 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1532,0.000%,F,T)

100 % A8.60E6 A9.20E6

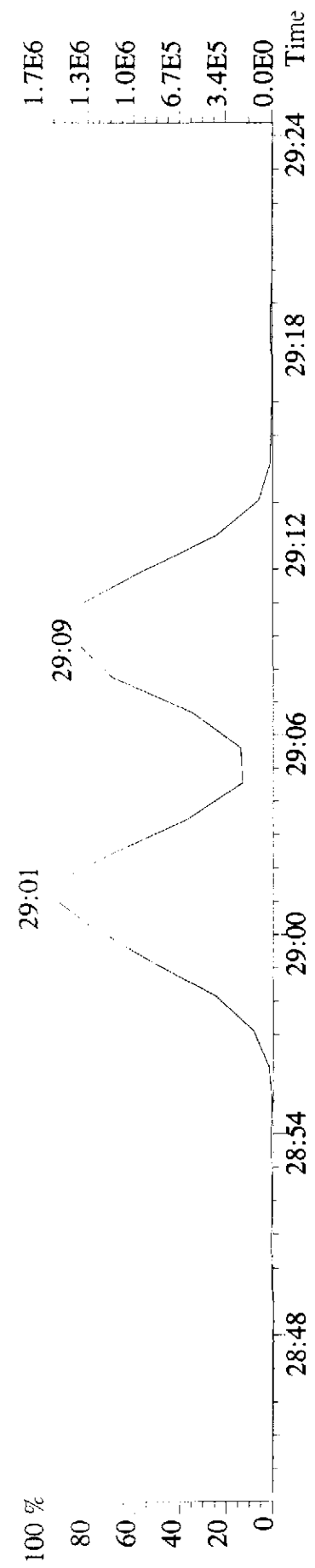
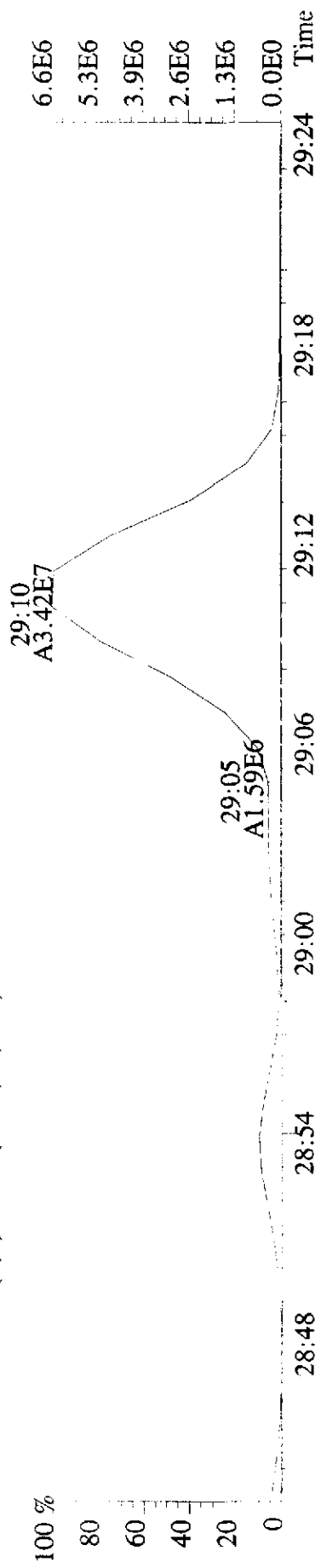
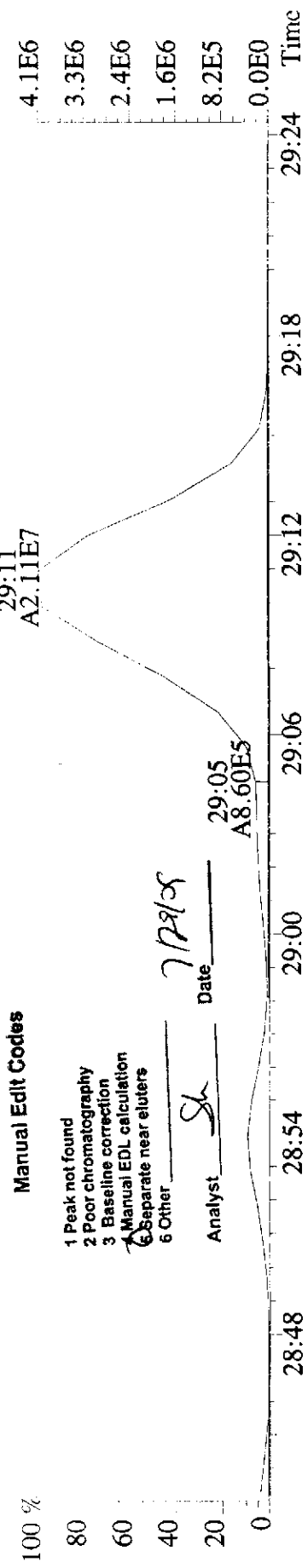




File: 23JL099D5 #1-597 Acq: 24-JUL-2009 01:28:12 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#12 Text: LFV97-1-AC : G9F300243-2( Exp: 209DBS  
 323.8834 S: 12 F: 3 SMO(1,3) BSUB(1000,15,-3,0)

**Manual Edit Codes**  
 1 Peak not found  
 2 Poor chromatography  
 3 Baseline correction  
 4 Manual EDL calculation  
 5 Separate near eluters  
 6 Other

Analyst Sh Date 7/21/09



File:23JL099D5 #1-597 Acq:24-JUL-2009 01:28:12 GC EI+ Voltage SIR Autospec-UltimaE

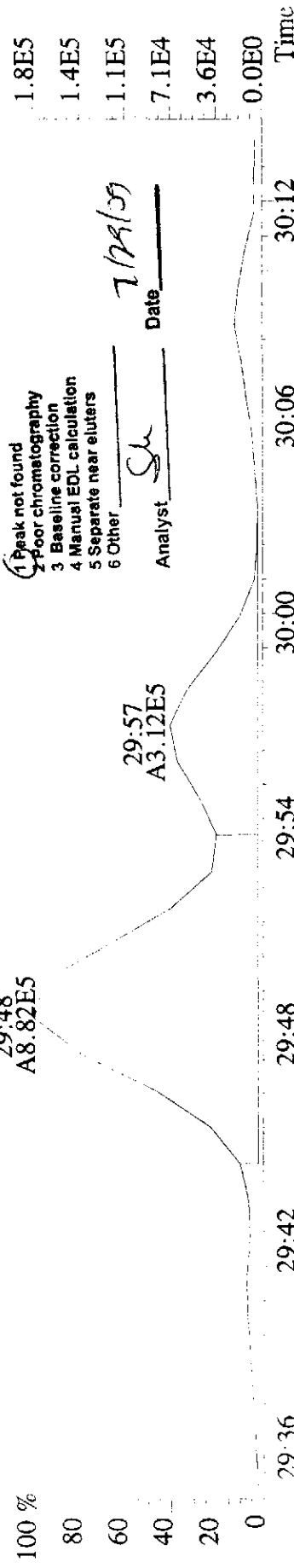
Sample#12 Text:LFV97-1-AC :G9F300243-2(Exp:209DB5

323.8834 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0)

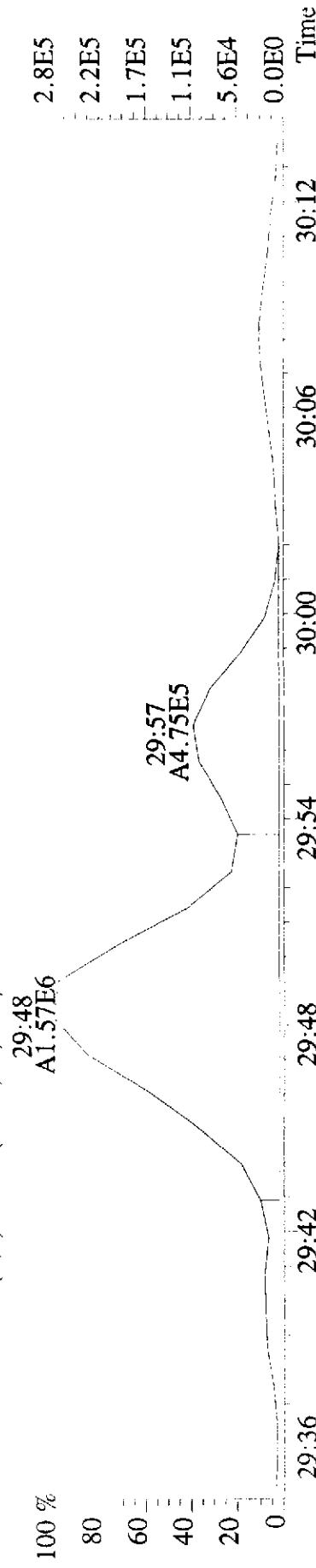
**Manual Edit Codes**

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

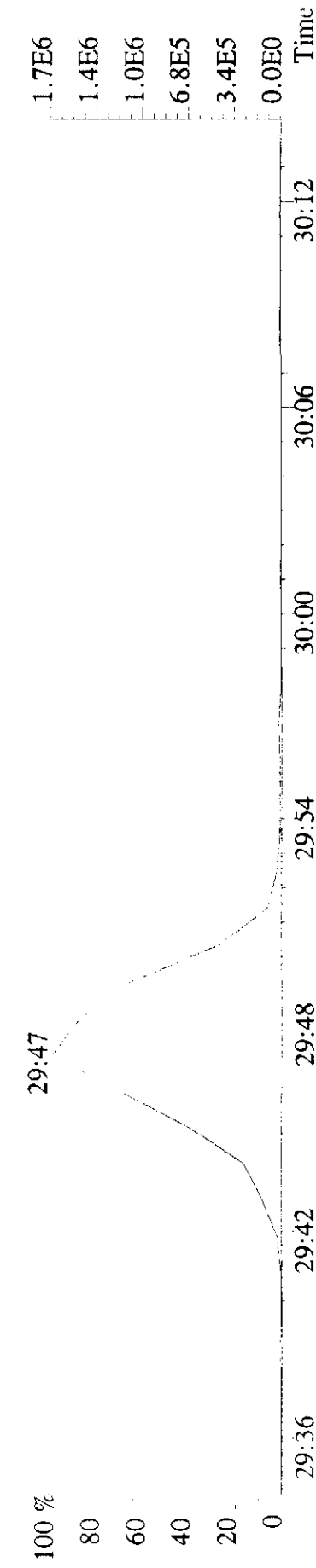
Analyst Sh Date 7/29/09



325.8804 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0)



337.9207 S:12 F:3

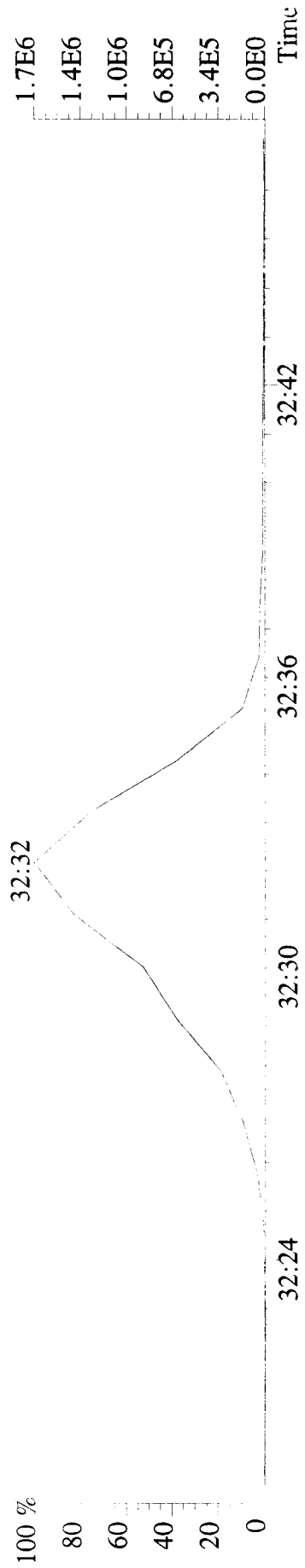
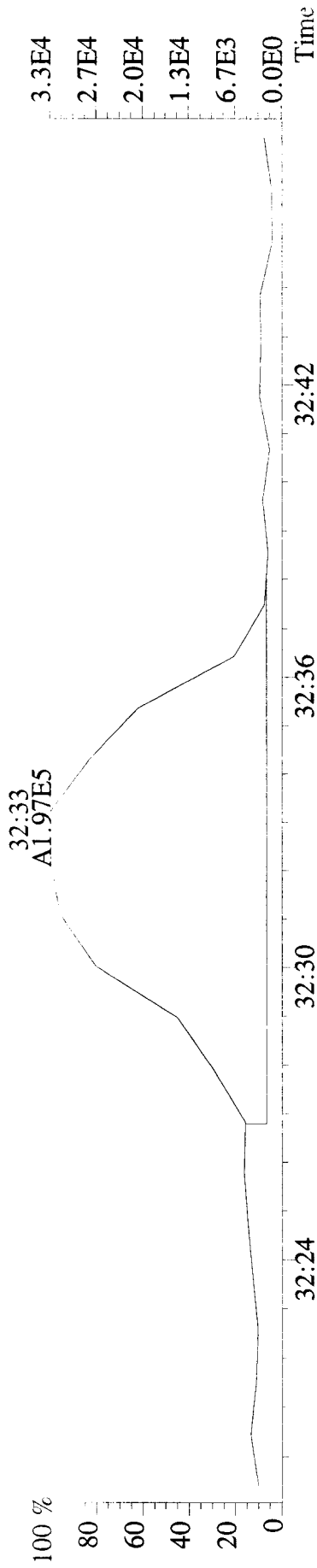
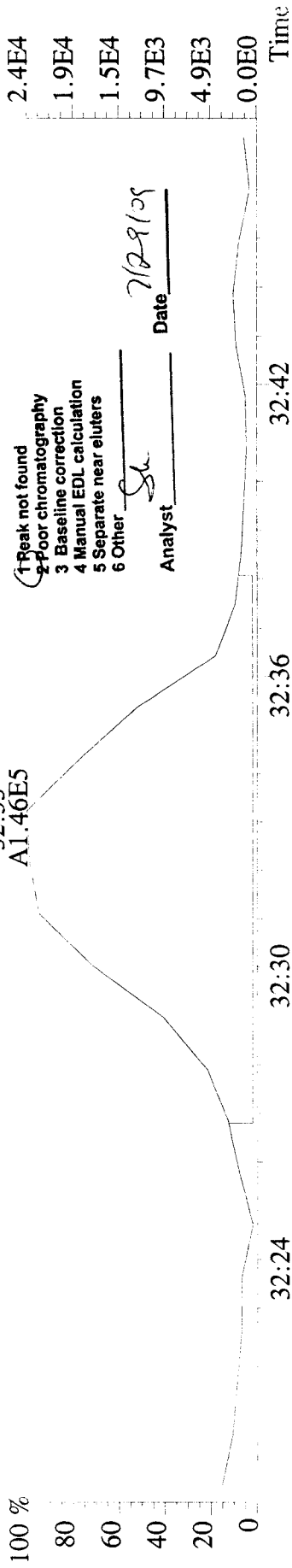


File: 23JL099D5 #1-597 Acq: 24-JUL-2009 01:28:12 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#12 Text: LfV97-1-AC : G9F300243-2( Exp: 209DB5  
 323.8834 S: 12 F: 3 SMO(1,3) BSUB(1000,15,-3.0)

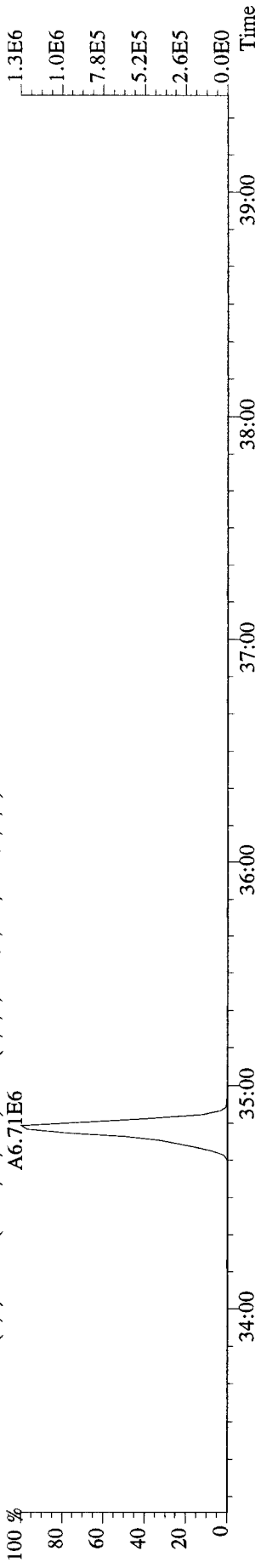
**Manual Edit Codes**

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

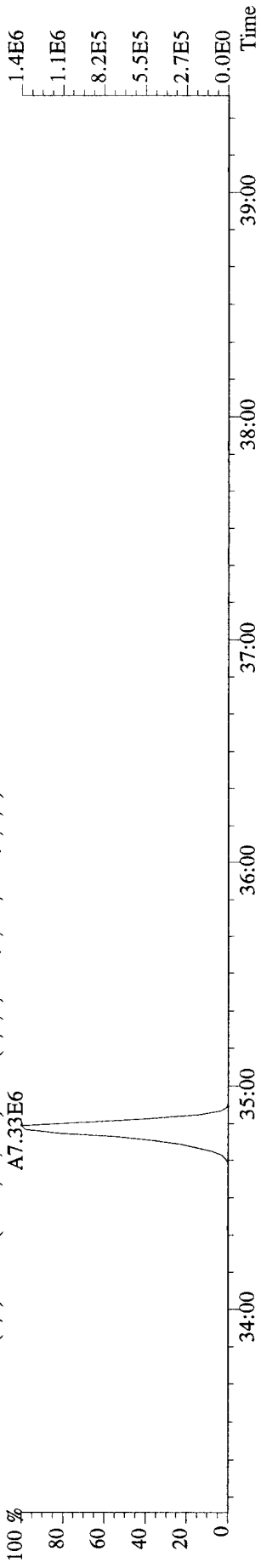
Analyst SK Date 7/29/09



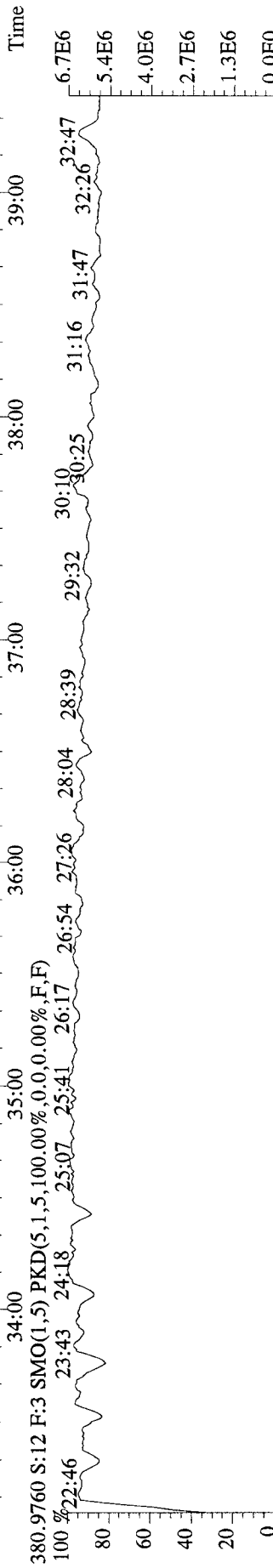
File:23JL099D5 #1-387 Acq:24-JUL-2009 01:28:12 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#12 Text:Lfv97-1-AC :G9F300243-2(3X) Exp:209DB5  
 439.8038 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,0,0,0,0.00%,F,T)  
 A6.71E6



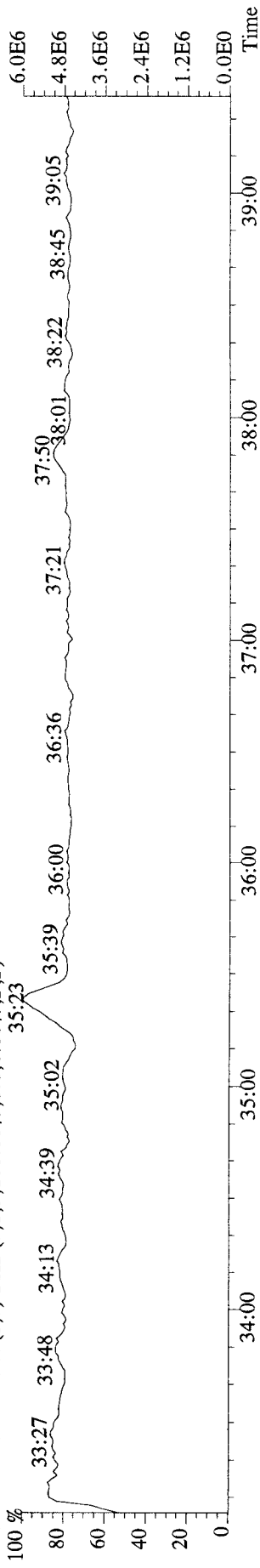
441.8008 S:12 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4,0,0,0.00%,F,T)  
 A7.33E6



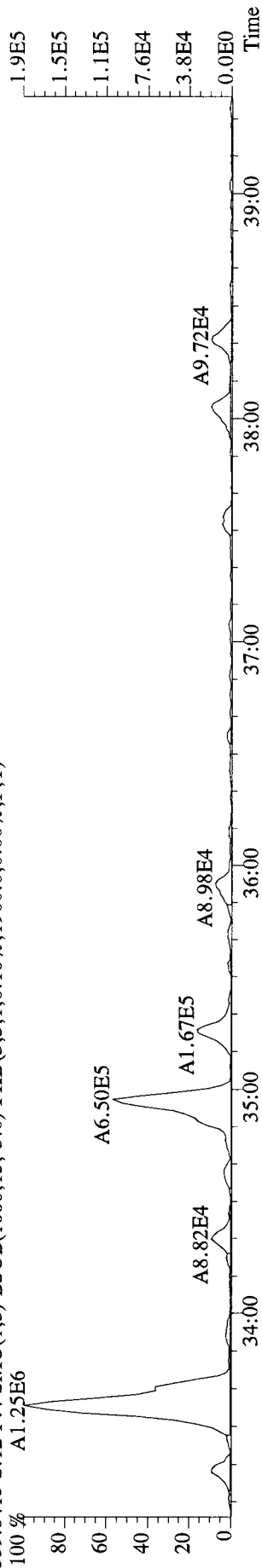
380.9760 S:12 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)



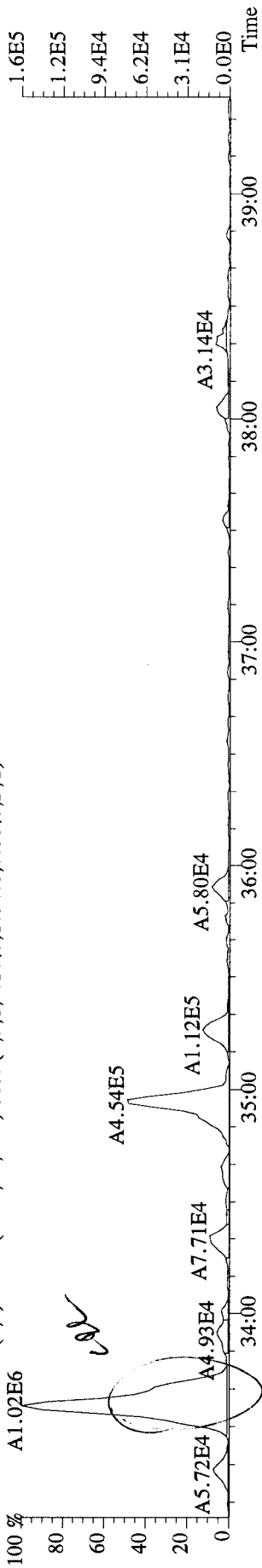
380.9760 S:12 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)  
 35:23



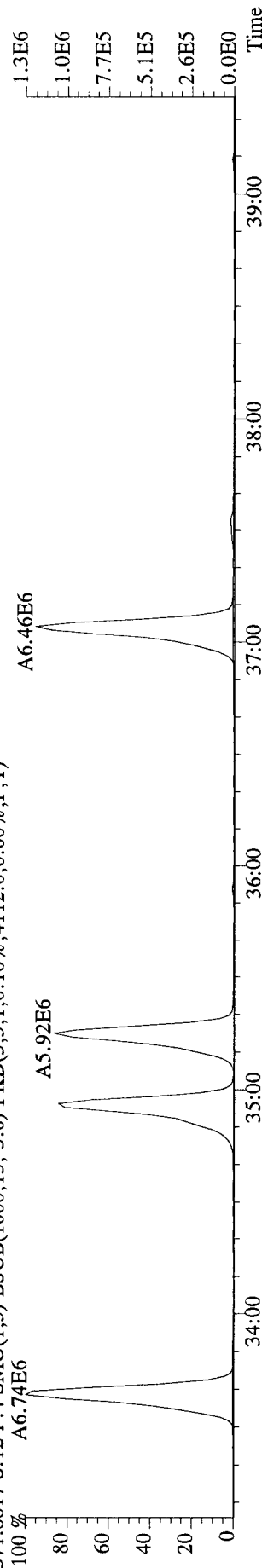
File:23JL099D5 #1-387 Acq:24-JUL-2009 01:28:12 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#12 Text:LFV97-1-AC :G9F300243-2(3X) Exp:209DB5  
 359.8415 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1900,0,0.00%,F,T)



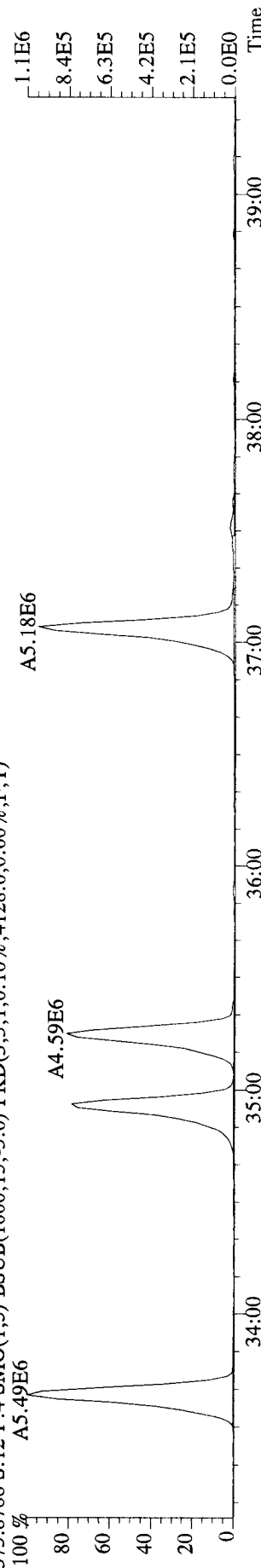
361.8385 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1896,0,0.00%,F,T)



371.8817 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4112,0,0.00%,F,T)



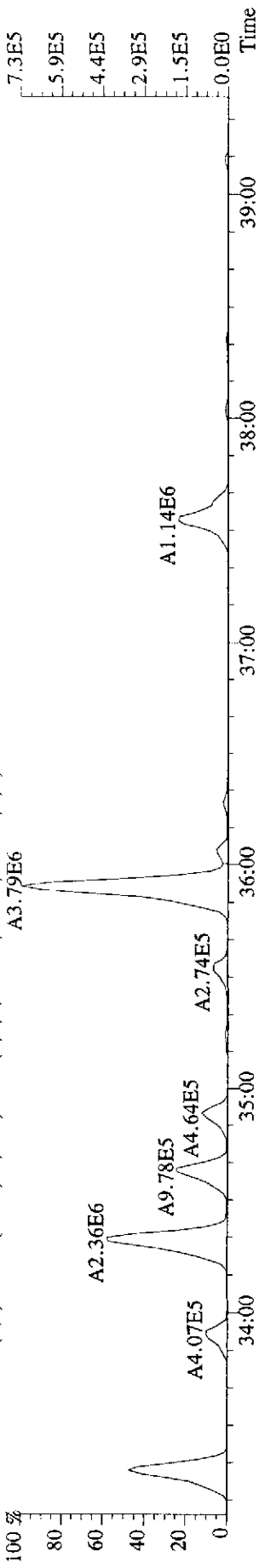
373.8788 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4128,0,0.00%,F,T)



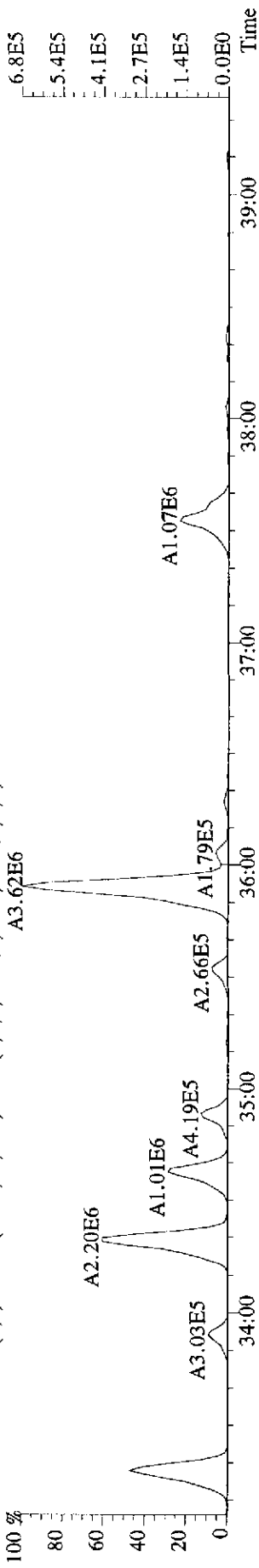
File:23JL099D5 #1-387 Acq:24-JUL-2009 01:28:12 GC EI+ Voltage SIR Autospec-UltimaE

Sample#12 Tex:LFV97-1-AC :G9F300243-2(3X) Exp:209DB5

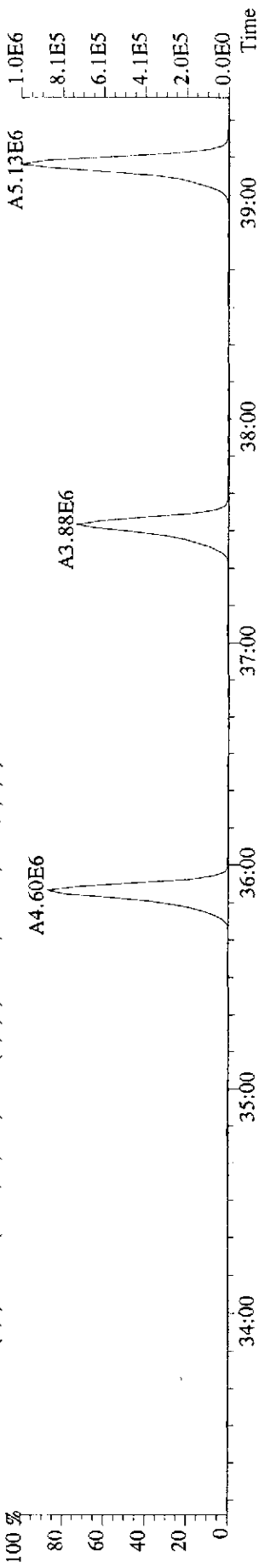
393.8025 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,572,0,0.00%,F,T)



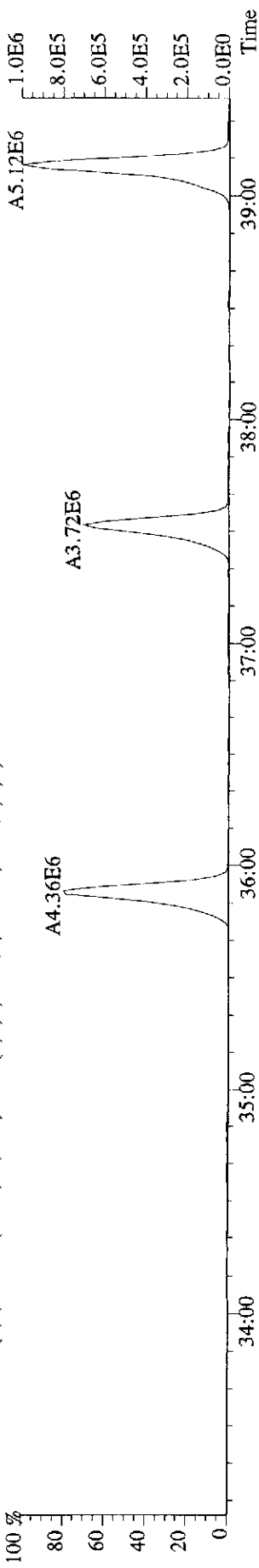
395.7995 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,16,0,0.00%,F,T)



405.8428 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1628,0,0.00%,F,T)



407.8398 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1388,0,0.00%,F,T)



*LFWAC/AC*

Run text: LFW97-1-AC      Sample text: LFW97-1-AC :G9F300243-3(3X)  
 Run #8    Filename: 23JL099D5    S: 13    I: 1      Results: 23jl099d51668mslsk  
 Acquired: 24-JUL-09    02:19:35      Processed: 27-JUL-09    11:09:27  
 Run: 23JL099D5      Analyte: 1668MSL      Cal: 1668MSL0709099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.50    SAMP

*RL=1000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	8948230	0.64 y	25:30	-	8.46	-	-	n
13C-TCB-81	5725990	0.75 y	27:03	1.11	2300.01	25.83	57.5	n
TCB-81	*	* n	NotFnd	1.33	* <i>RL</i>	76.09	-	n
13C-TCB-77	6178020	0.82 y	27:36	1.16	2377.57	24.75	59.4	n
TCB-77	352519	0.98 n	27:28	1.17	194.50	81.58	-	n
13C-PeCB-123	6827210	0.63 y	28:58	0.97	3153.96	4.83	78.8	n
PeCB-123	998231	0.66 y	29:01	1.65	353.76 <i>RL</i>	33.60	-	y
13C-PeCB-118	6896430	0.66 y	29:07	1.01	3067.21	4.65	76.7	n
PeCB-118/106	19873140	0.62 y	29:08	1.65	7006.33 <i>C</i>	33.03	-	y
13C-PeCB-114	6958500	0.69 y	29:45	1.03	3033.17	4.56	75.8	n
PeCB-114	724265	0.53 y	29:46	1.73	241.21 <i>RL</i>	33.62	-	n
13C-PeCB-105	6718130	0.68 y	30:37	0.97	3095.69	4.82	77.4	n
PeCB-105/127	8010600	0.55 y	30:39	1.53	3118.48 <i>C</i>	40.19	-	n
13C-PeCB-126	7043590	0.61 y	32:30	1.00	3161.45	4.70	79.0	n
PeCB-126	*	* n	NotFnd	1.27	*	47.45	-	n
13C-OcCB-202	9319930	0.88 y	34:47	-	8.03	-	-	n
13C-HxCB-167	7562410	1.31 y	33:37	1.04	3108.97	14.92	77.7	n
HxCB-167	1264503	1.18 y	33:34	1.10	608.28	16.10	-	n
13C-HxCB-156	6149020	1.28 y	34:55	0.84	3146.03	18.57	78.7	n
HxCB-156	499825	1.03 n	34:55	1.50	216.18	15.72	-	n
13C-HxCB-157	6408740	1.29 y	35:13	0.88	3123.17	17.69	78.1	n
HxCB-157	155203	1.08 y	35:16	1.50	64.78	14.30	-	n
13C-HxCB-169	7126160	1.36 y	37:02	0.92	3332.12	16.97	83.3	n
HxCB-169	*	* n	NotFnd	0.99	*	19.08	-	n
13C-HpCB-180	5702830	1.05 y	35:52	0.74	3291.55	28.93	82.3	n
HpCB-180	4193920	1.10 y	35:53	1.32	2233.85 <i>C</i>	3.77	-	n
13C-HpCB-170	4446750	1.00 y	37:31	0.61	3122.70	35.20	78.1	n
HpCB-170/190	1351981	0.98 y	37:32	1.63	747.37	3.82	-	n
13C-HpCB-189	6524660	1.02 y	39:07	0.76	3675.96	28.24	91.9	n
HpCB-189	39765	0.55 n	39:06	1.22	19.95	3.43	-	n
13C-PeCB-111	10094110	0.65 y	26:57	1.32	4435.94	5.36	110.9	n

*Sh 7/29/09*

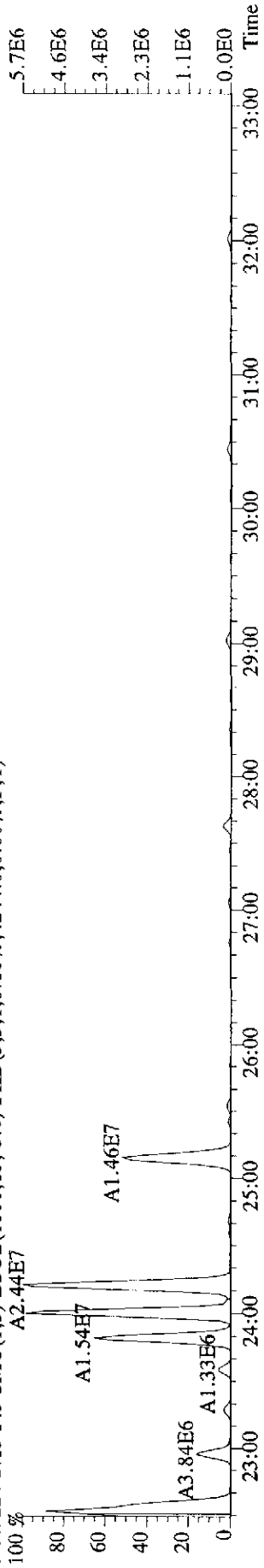
Run text: Lfv97-1-AC Sample text: Lfv97-1-AC :G9F300243-3(3X)  
 Run #8 Filename: 23JL099D5 S: 13 I: 1 Results: 23JL099D51668MSL  
 Acquired: 24-JUL-09 02:19:35 Processed: 27-JUL-09 11:09:27  
 Run: 23JL099D5 Analyte: 1668MSL Cal: 1668MSL070909D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000SAMP

*12L = 1000*

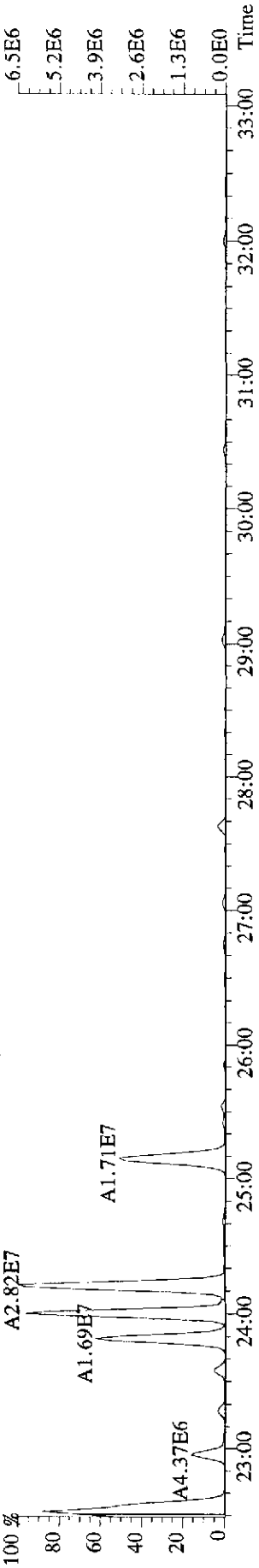
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	8948230	0.64 y	25:30	-	8.46	-	-	n
13C-TCB-81	5725990	0.75 y	27:03	1.11	2300.01	25.83	57.5	n
TCB-81	*	* n	NotFnd	1.33	* <i>CP</i>	76.09	-	n
13C-TCB-77	6178020	0.82 y	27:36	1.16	2377.57	24.75	59.4	n
TCB-77	352519	0.98 n	27:28	1.17	194.50	81.58	-	n
13C-PeCB-123	6827210	0.63 y	28:58	0.97	3153.96	4.83	78.8	n
PeCB-123	1628316	0.64 y	28:51	1.65	577.05	33.60	-	n
13C-PeCB-118	6896430	0.66 y	29:07	1.01	3067.21	4.65	76.7	n
PeCB-118/106	*	* n	NotFnd	1.65	*	33.03	-	n
13C-PeCB-114	6958500	0.69 y	29:45	1.03	3033.17	4.56	75.8	n
PeCB-114	724265	0.53 y	29:46	1.73	241.21	33.62	-	n
13C-PeCB-105	6718130	0.68 y	30:37	0.97	3095.69	4.82	77.4	n
PeCB-105/127	*	* n	NotFnd	1.53	*	40.19	-	n
13C-PeCB-126	7043590	0.61 y	32:30	1.00	3161.45	4.70	79.0	n
PeCB-126	*	* n	NotFnd	1.27	*	47.45	-	n
13C-OcCB-202	9319930	0.88 y	34:47	-	8.03	-	-	n
13C-HxCB-167	7562410	1.31 y	33:37	1.04	3108.97	14.92	77.7	n
HxCB-167	1264503	1.18 y	33:34	1.10	608.28	16.10	-	n
13C-HxCB-156	6149020	1.28 y	34:55	0.84	3146.03	18.57	78.7	n
HxCB-156	499825	1.03 n	34:55	1.50	216.18	15.72	-	n
13C-HxCB-157	6408740	1.29 y	35:13	0.88	3123.17	17.69	78.1	n
HxCB-157	155203	1.08 y	35:16	1.50	64.78	14.30	-	n
13C-HxCB-169	7126160	1.36 y	37:02	0.92	3332.12	16.97	83.3	n
HxCB-169	*	* n	NotFnd	0.99	*	19.08	-	n
13C-HpCB-180	5702830	1.05 y	35:52	0.74	3291.55	28.93	82.3	n
HpCB-180	4193920	1.10 y	35:53	1.32	2233.85	3.77	-	n
13C-HpCB-170	4446750	1.00 y	37:31	0.61	3122.70	35.20	78.1	n
HpCB-170/190	1351981	0.98 y	37:32	1.63	747.37	3.82	-	n
13C-HpCB-189	6524660	1.02 y	39:07	0.76	3675.96	28.24	91.9	n
HpCB-189	39765	0.55 n	39:06	1.22	19.95	3.43	-	n
13C-PeCB-111	*	* n	NotFnd	1.32	*	5.36	*	n



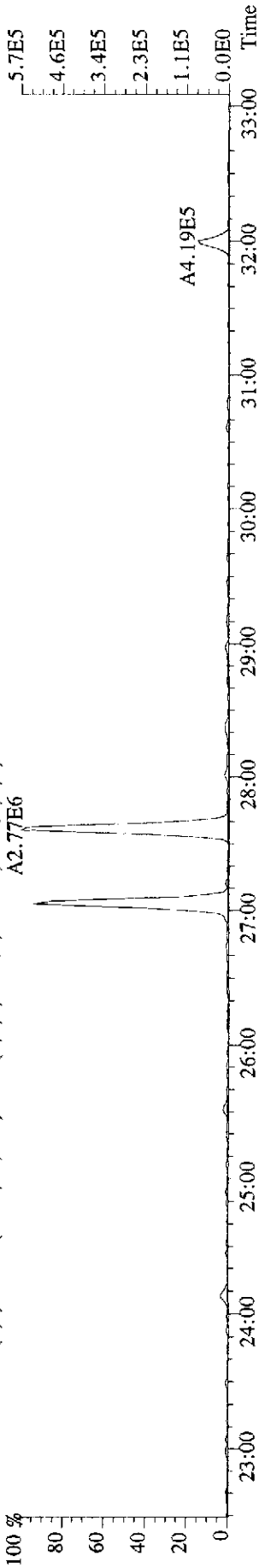
File:23JL099D5 #1-598 Acq:24-JUL-2009 02:19:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#13 Text:LFV97-1-AC :G9F300243-3(3X) Exp:209DB5  
 289.9224 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4244.0,0.00%,F,T)



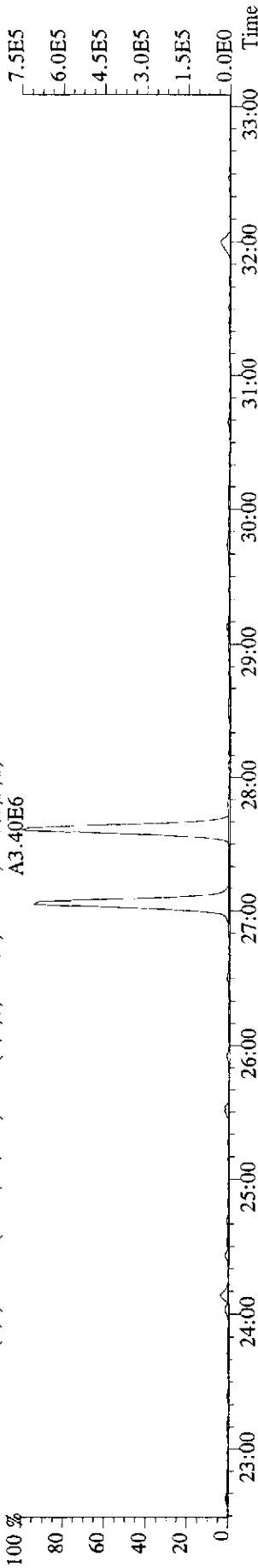
291.9194 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8316.0,0.00%,F,T)



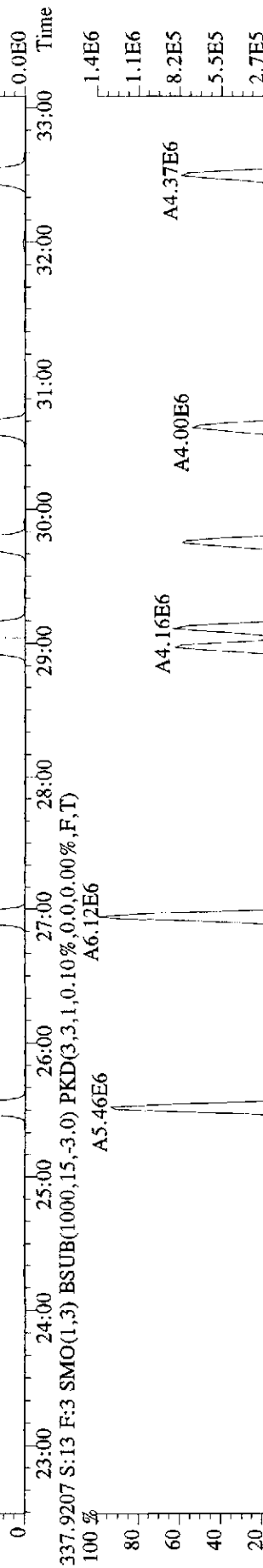
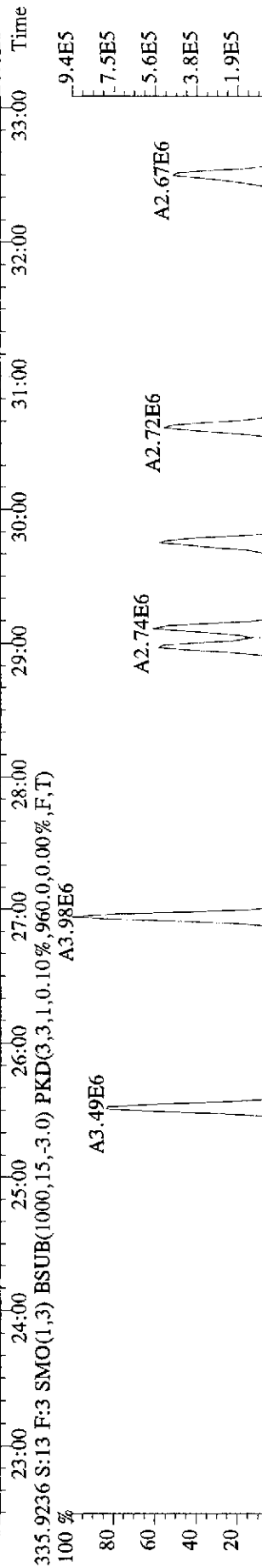
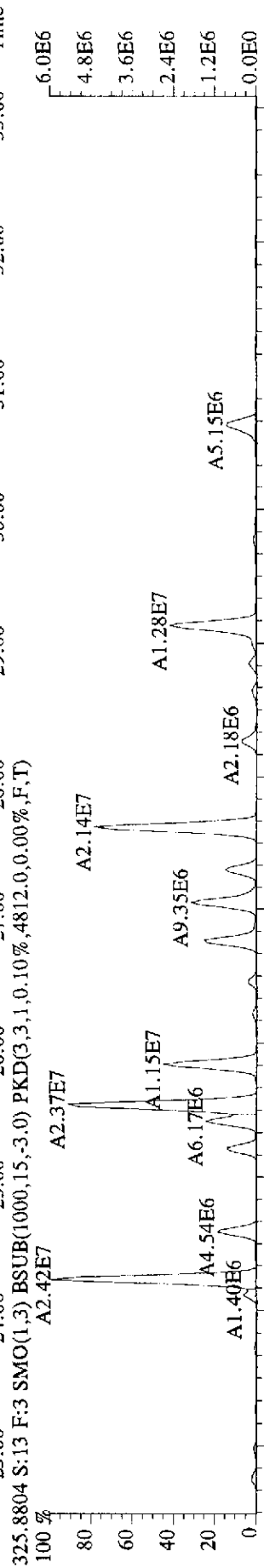
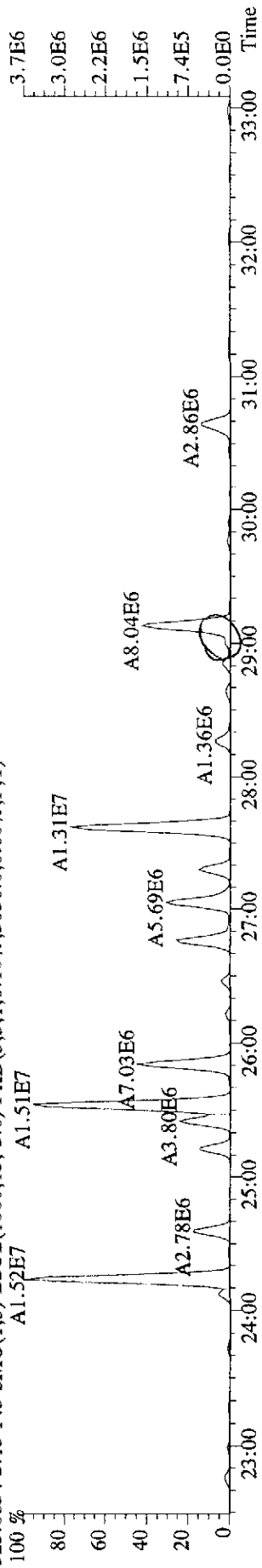
301.9626 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3140.0,0.00%,F,T)



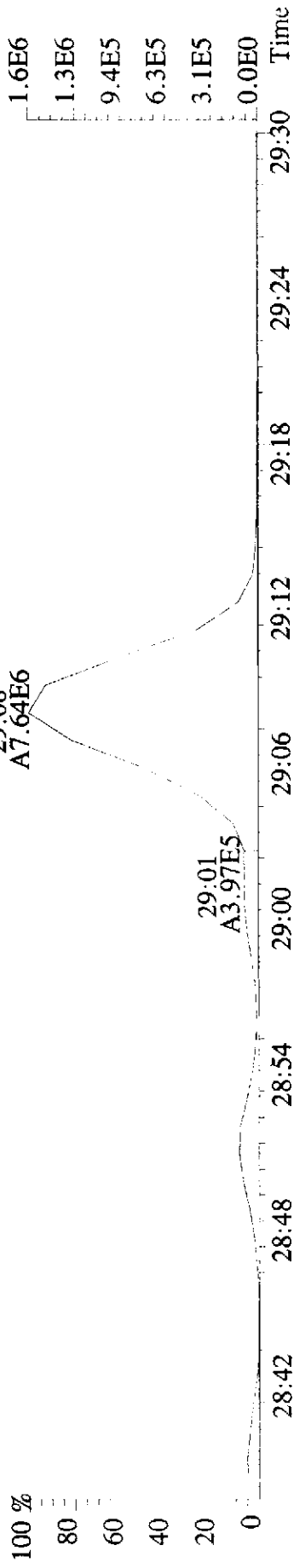
303.9597 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2760.0,0.00%,F,T)



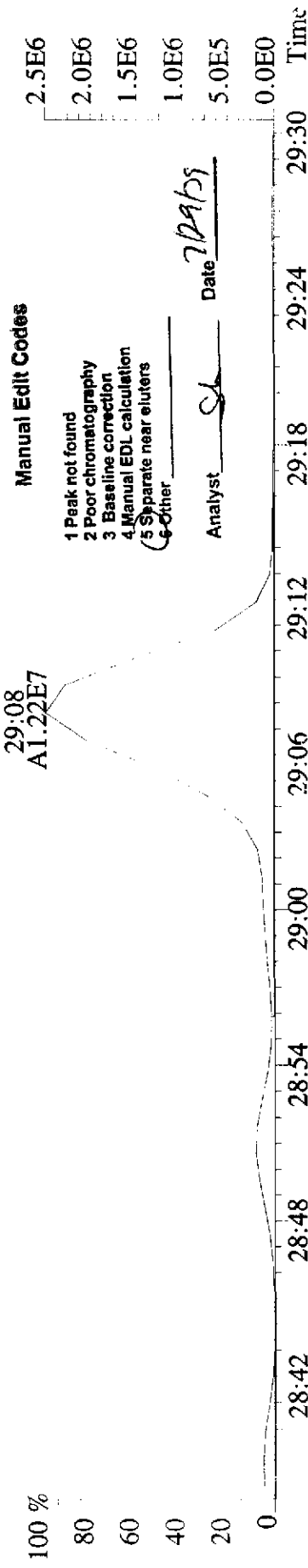
File:23JL099D5 #1-598 Acq:24-JUL-2009 02:19:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#13 Text:LFV97-1-AC :G9F300243-3(3X) Exp:209DB5  
 323.8834 S:13 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3036,0,0.00%,F,T)



File: 23JL099D5 #1-598 Acq: 24-JUL-2009 02:19:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#13 Text: LFPV97-1-AC : G9F300243-3 (Exp: 209DB5  
 323.8834 S: 13 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3036.0,0.00%,F,T)



325.8804 S: 13 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4812.0,0.00%,F,T)

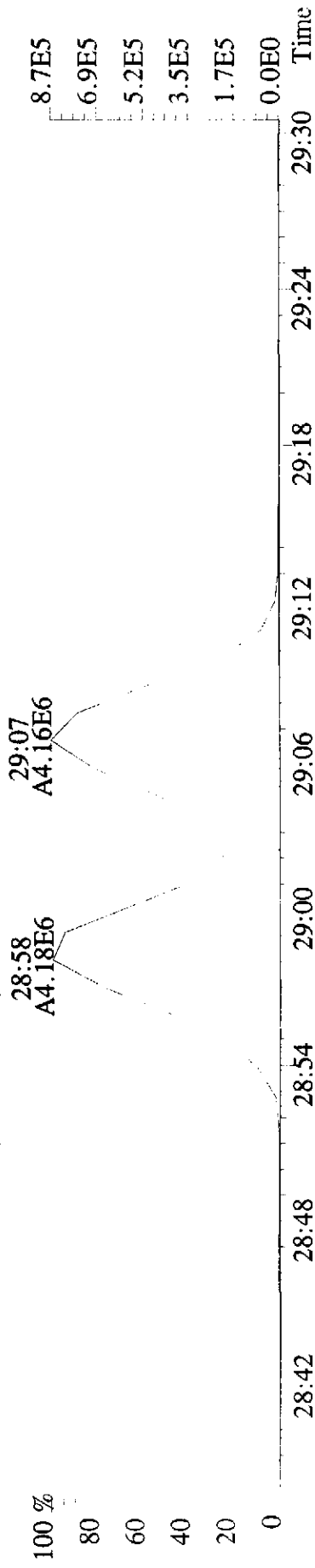


Manual Edit Codes

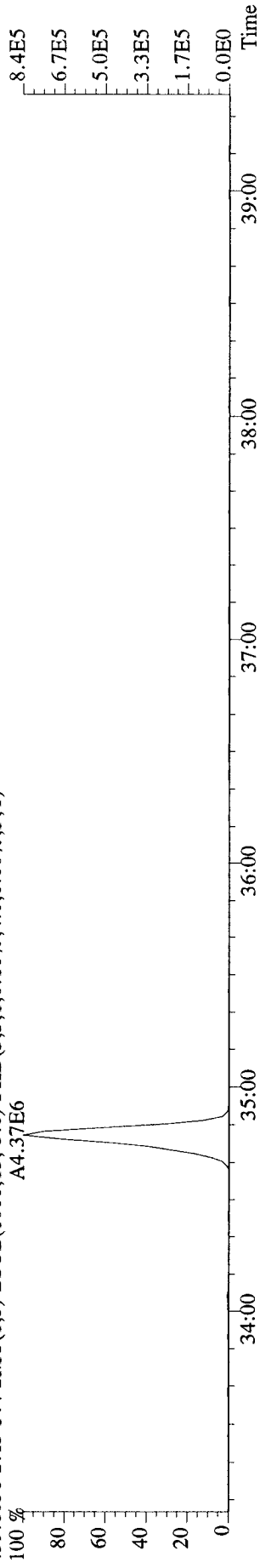
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst: SL Date: 7/29/09

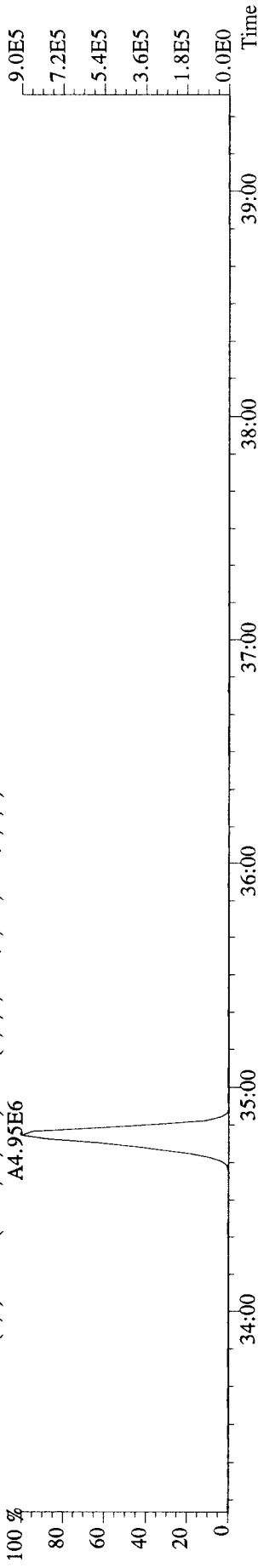
337.9207 S: 13 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,0.0,0.00%,F,T)



File:23JL099D5 #1-386 Acq:24-JUL-2009 02:19:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#13 Text:LFV97-1-AC :G9F300243-3(3X) Exp:209DB5  
 439.8038 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4,0.0.00%,F,T)  
 A4.37E6



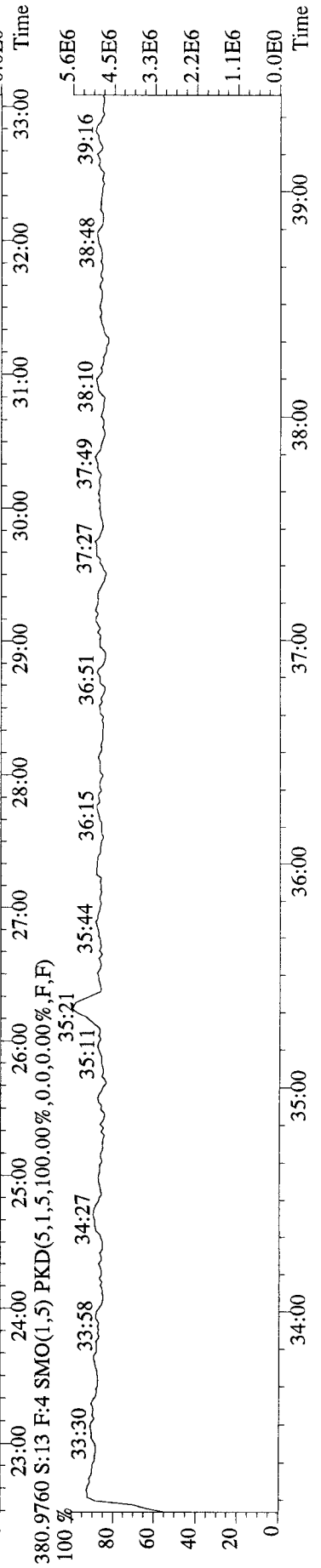
441.8008 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4,0.0.00%,F,T)  
 A4.93E6



380.9760 S:13 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)



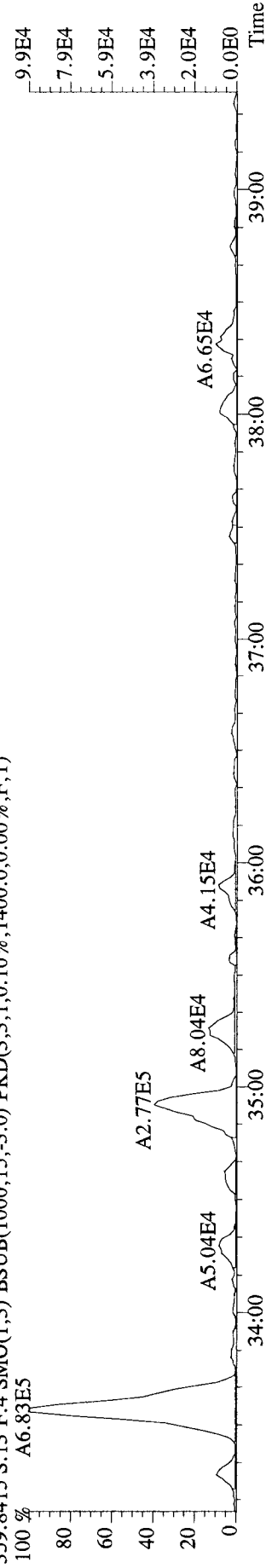
380.9760 S:13 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)



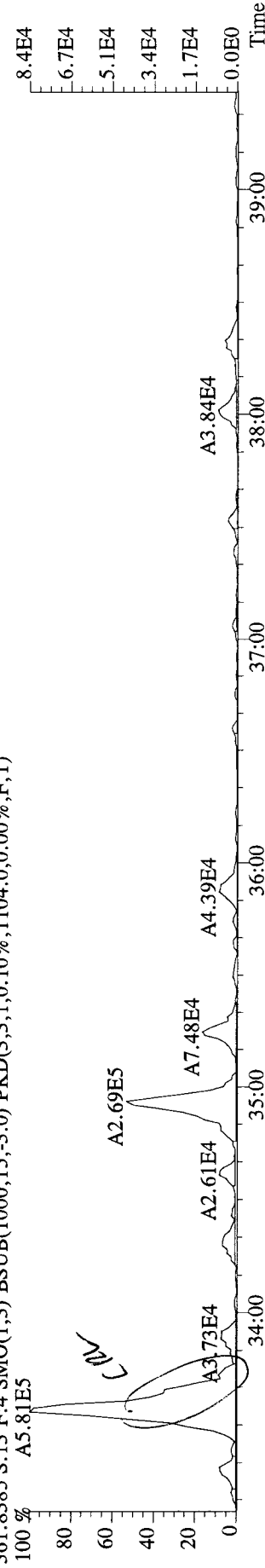
File:23JL099D5 #1-386 Acq:24-JUL-2009 02:19:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#13 Text:LFV97-1-AC :G9F300243-3(3X) Exp:209DB5

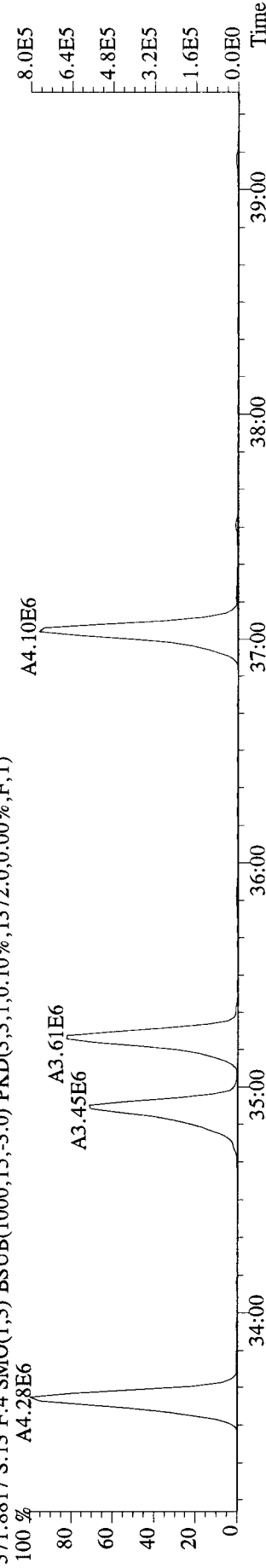
359.8415 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1400.0,0.00%,F,T)



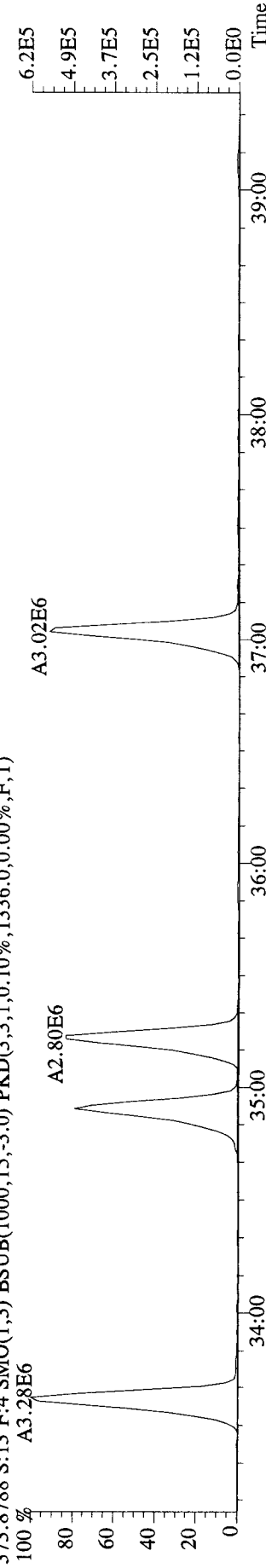
361.8385 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1104.0,0.00%,F,T)



371.8817 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1372.0,0.00%,F,T)



373.8788 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1336.0,0.00%,F,T)



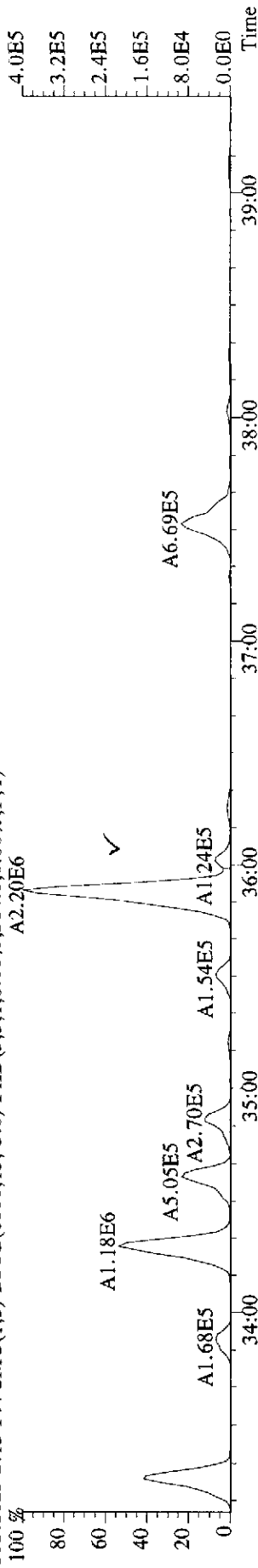
File:23JL099D5 #1-386 Acq:24-JUL-2009 02:19:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#13 Text:LFV97-1-AC :G9F300243-3(3X) Exp:209DB5

393.8025 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,364,0.0,0.00%,F,T)

A2.20E6

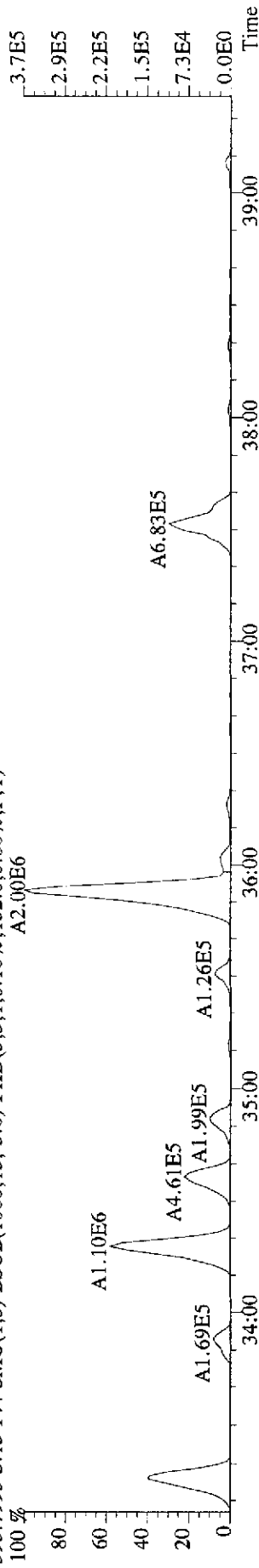
4.0E5  
3.2E5  
2.4E5  
1.6E5  
8.0E4  
0.0E0



395.7995 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,152,0.0,0.00%,F,T)

A2.00E6

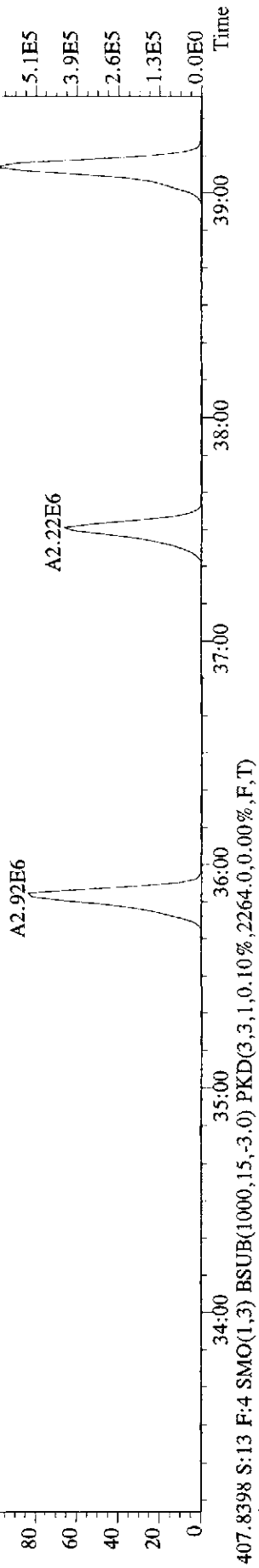
3.7E5  
2.9E5  
2.2E5  
1.5E5  
7.3E4  
0.0E0



405.8428 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1476,0.0,0.00%,F,T)

A2.92E6

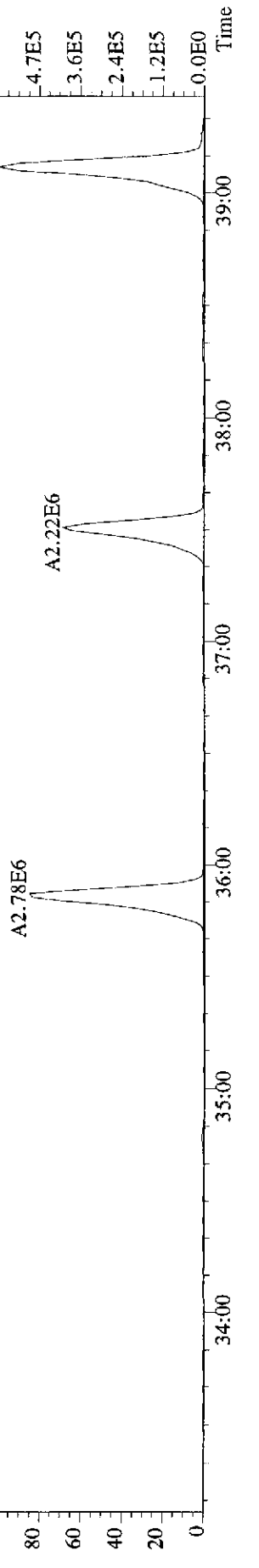
6.4E5  
5.1E5  
3.9E5  
2.6E5  
1.3E5  
0.0E0



407.8398 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2264,0.0,0.00%,F,T)

A2.78E6

5.9E5  
4.7E5  
3.6E5  
2.4E5  
1.2E5  
0.0E0



Run text: LFWAG-1-AC Sample text: LFWAG-1-AC :G9F300243-4  
 Run #12 Filename: 22JL099D5 S: 9 I: 1 Results: 22JL099D51668MSL  
 Acquired: 22-JUL-09 21:43:37 Processed: 24-JUL-09 16:23:23  
 Run: 22JL099D5 Analyte: 1668MSL Cal: 1668MSL0709099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.500000SAMP

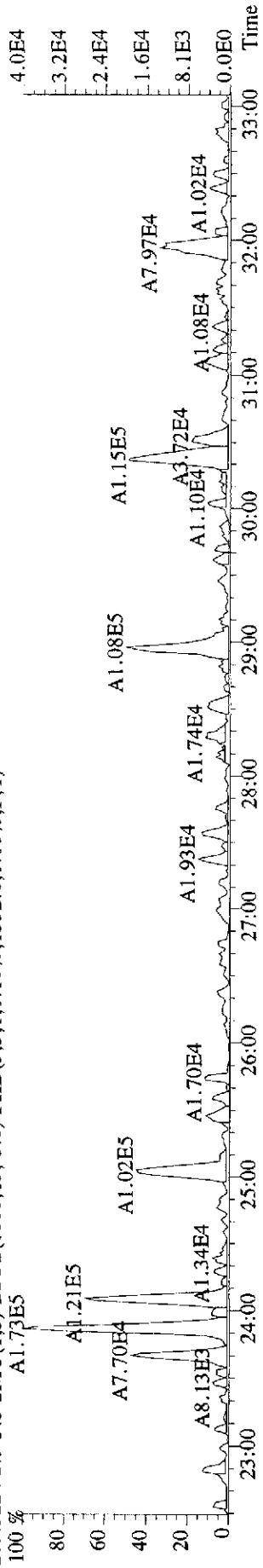
*CL = 1000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	57983000	0.68 y	25:24	-	54.84	-	-	n
13C-TCB-81	38540800	0.84 y	26:58	1.11	2389.11	3.97	59.7	n
TCB-81	*	* n	NotFnd	1.33	*	2.87	-	n
13C-TCB-77	36752900	0.80 y	27:31	1.16	2182.79	3.81	54.6	n
TCB-77	*	* n	NotFnd	1.17	*	3.58	-	n
13C-PeCB-123	49522500	0.67 y	28:54	0.97	3530.63	2.76	88.3	n
PeCB-123	18832	1.30 n	28:56	1.65	0.92	1.66	-	n
13C-PeCB-118	55156600	0.67 y	29:03	1.01	3785.77	2.66	94.6	n
PeCB-118/106	308085	0.57 y	29:03	1.65	13.58	1.64	-	n
13C-PeCB-114	54486600	0.67 y	29:41	1.03	3665.28	2.60	91.6	n
PeCB-114	*	* n	NotFnd	1.73	*	1.52	-	n
13C-PeCB-105	47053600	0.67 y	30:34	0.97	3346.09	2.75	83.7	n
PeCB-105/127	88117	0.64 y	30:34	1.53	4.90	2.12	-	n
13C-PeCB-126	58447800	0.65 y	32:28	1.00	4048.53	2.68	101.2	n
PeCB-126	*	* n	NotFnd	1.27	*	2.27	-	n
13C-OcCB-202	95853300	0.96 y	34:46	-	82.56	-	-	n
13C-HxCB-167	102882400	1.30 y	33:34	1.04	4112.48	4.95	102.8	n
HxCB-167	54716	1.55 n	33:31	1.10	1.93	1.24	-	n
13C-HxCB-156	89824900	1.31 y	34:52	0.84	4468.47	6.16	111.7	n
HxCB-156	*	* n	NotFnd	1.50	*	1.16	-	n
13C-HxCB-157	88296400	1.29 y	35:12	0.88	4183.81	5.86	104.6	n
HxCB-157	*	* n	NotFnd	1.50	*	1.08	-	n
13C-HxCB-169	103384000	1.30 y	37:01	0.92	4700.29	5.63	117.5	n
HxCB-169	*	* n	NotFnd	0.99	*	1.40	-	n
13C-HpCB-180	73465900	1.04 y	35:50	0.74	4122.89	1.94	103.1	n
HpCB-180	145314	1.24 n	35:51	1.32	6.01	1.17	-	n
13C-HpCB-170	59798800	1.04 y	37:30	0.61	4083.06	2.37	102.1	n
HpCB-170/190	18135	4.20 n	37:29	1.63	0.75	1.18	-	n
13C-HpCB-189	87190600	1.03 y	39:06	0.76	4776.27	1.90	119.4	n
HpCB-189	*	* n	NotFnd	1.22	*	1.04	-	n
13C-PeCB-111	58615200	0.67 y	26:51	1.32	3352.27	2.70	83.8	n

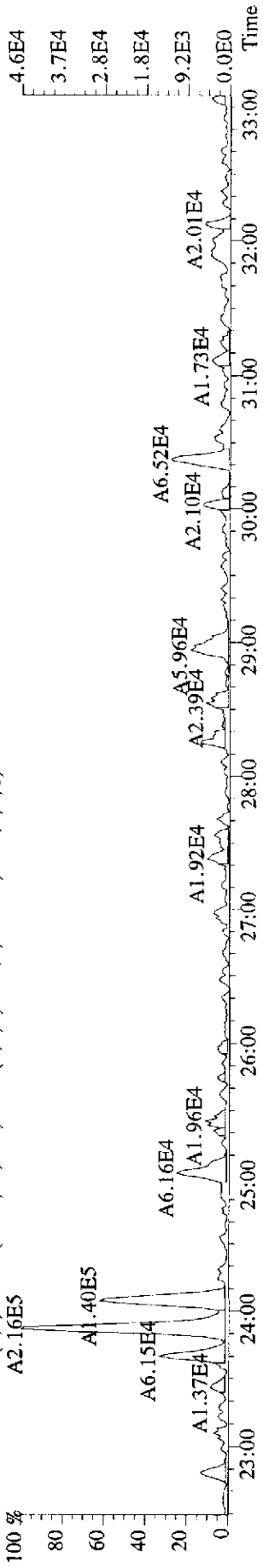
*CL*

*Sh 7/28/09*

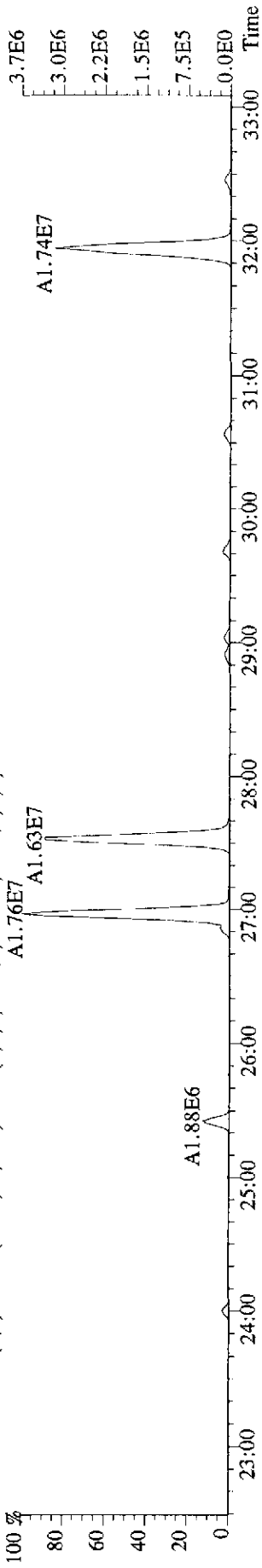
File: 22JL099D5 #1-597 Acq: 22-JUL-2009 21:43:37 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#9 Text: LFWAG-1-AC :G9F300243-4 Exp: 209DB5  
 289.9224 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1332,0.00%,F,T)



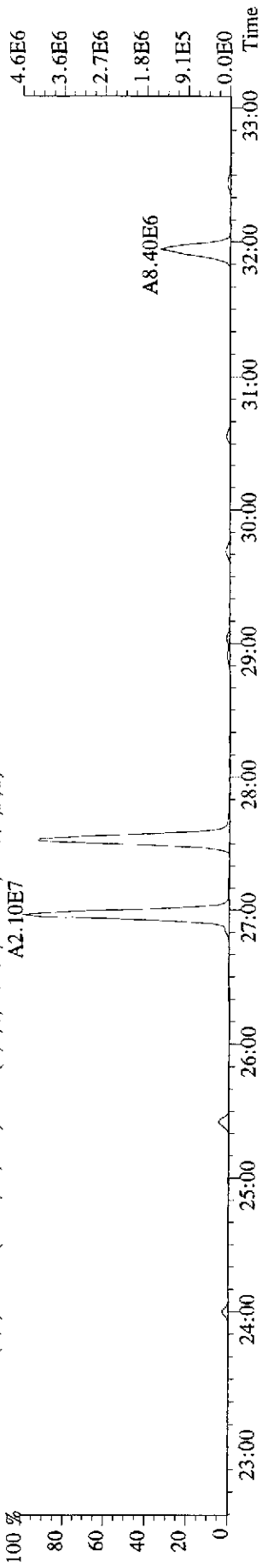
291.9194 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1816,0.00%,F,T)



301.9626 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2988,0.00%,F,T)



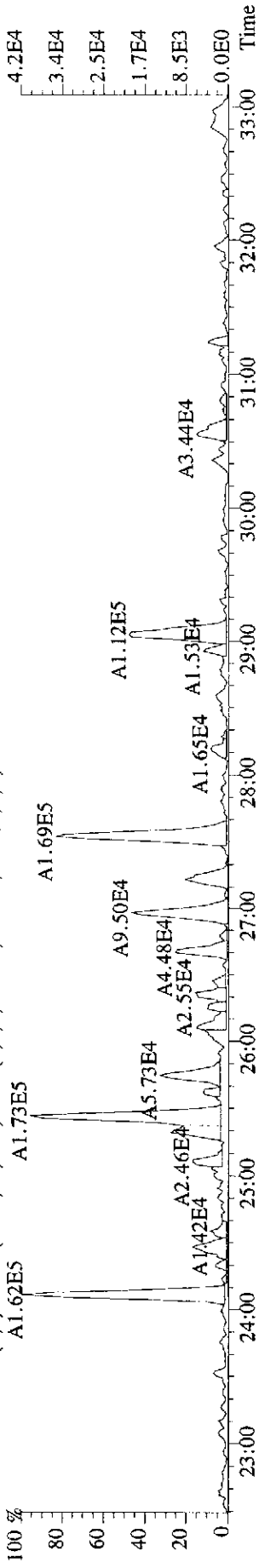
303.9597 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2880,0.00%,F,T)



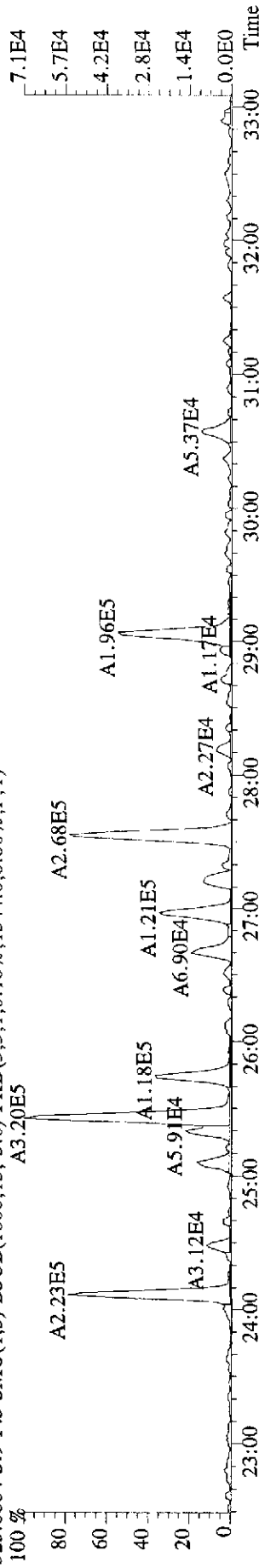


File:22JL099D5 #1-597 Acq:22-JUL-2009 21:43:37 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#9 Text:LFWAG-1-AC :G9F300243-4 Exp:209DB5

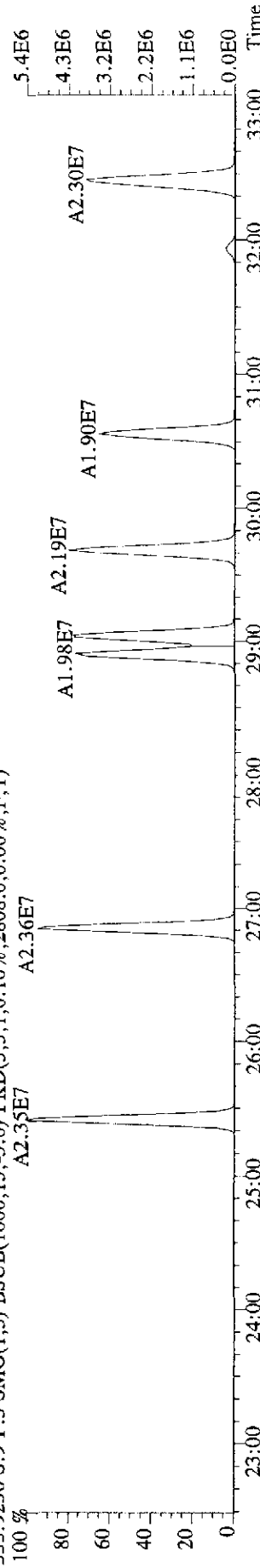
323.8834 S:9 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1464,0,0,00%,F,T)



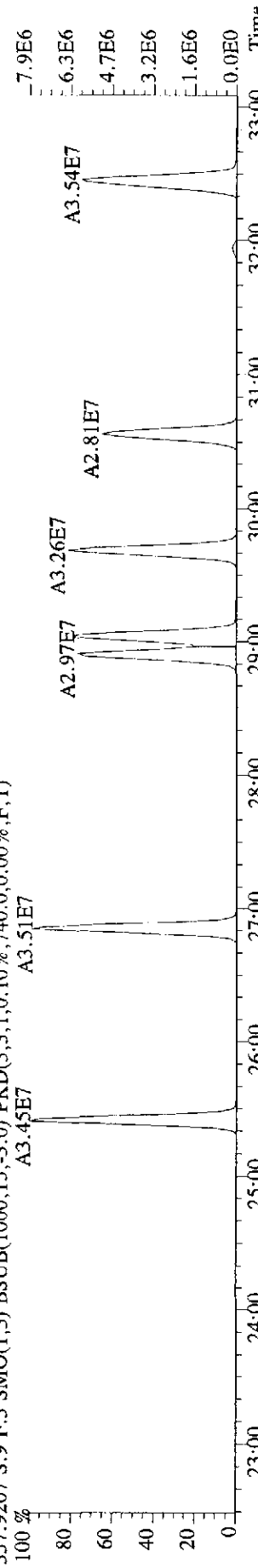
325.8804 S:9 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1344,0,0,00%,F,T)



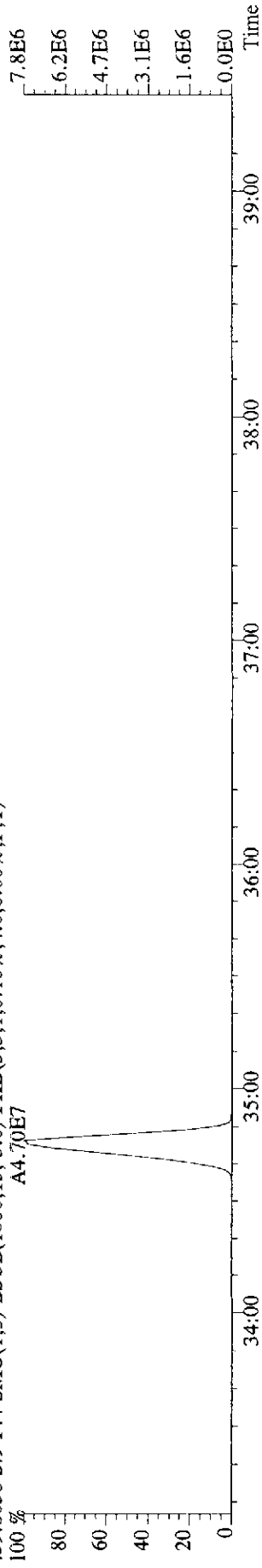
335.9236 S:9 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2808,0,0,00%,F,T)



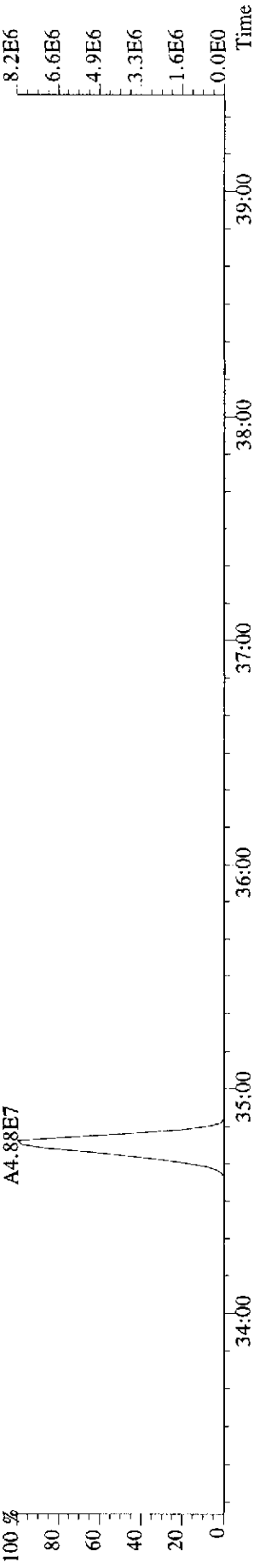
337.9207 S:9 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,740,0,0,00%,F,T)



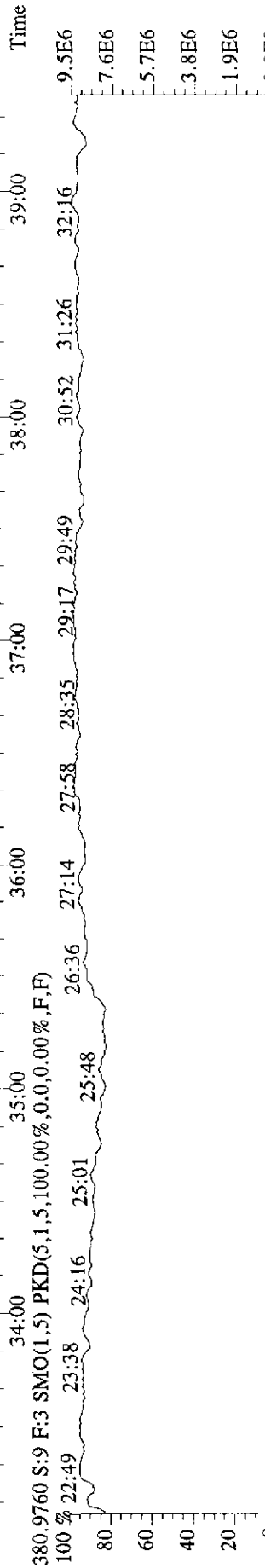
File: 22JL099D5 #1-386 Acq: 22-JUL-2009 21:43:37 GC EI+ Voltage SIR Aerospec-UltrimaE  
 Sample#9 Text: LFWAG-1-AC : G9F300243-4 Exp: 209DB5  
 439.8038 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4.0,0.00%,F,T)  
 A4.70E7



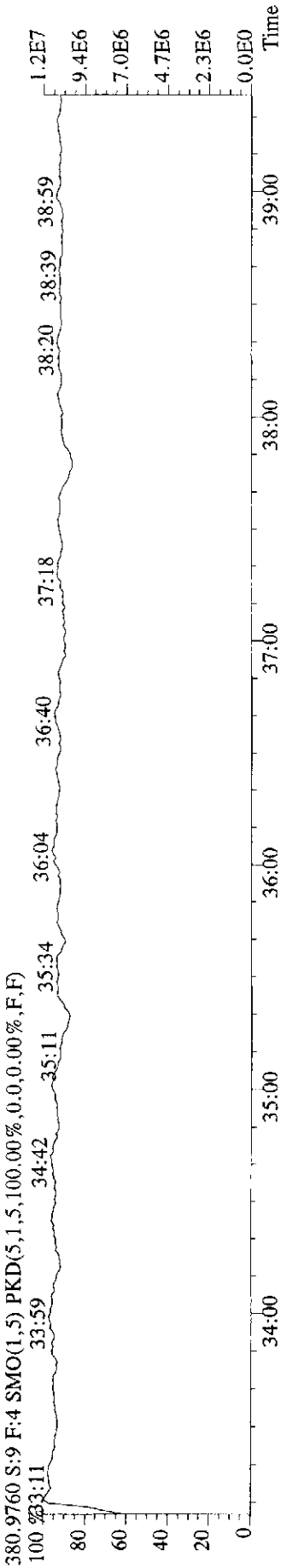
441.8008 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4.0,0.00%,F,T)  
 A4.88E7



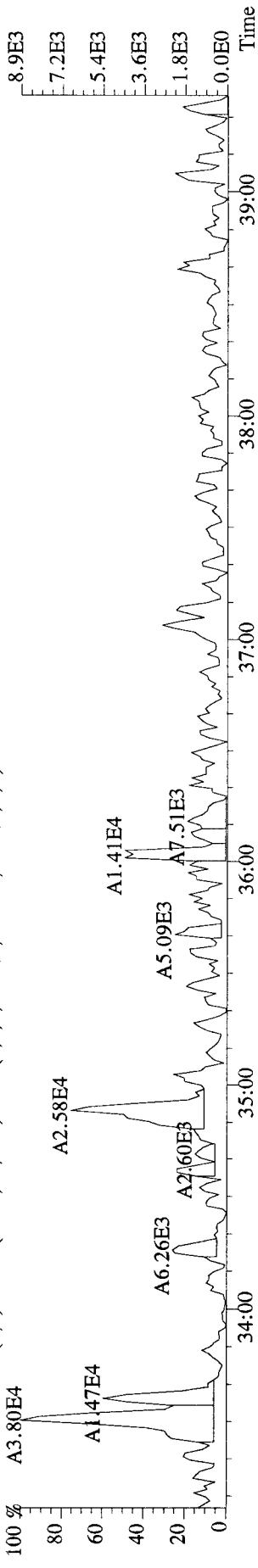
380.9760 S:9 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



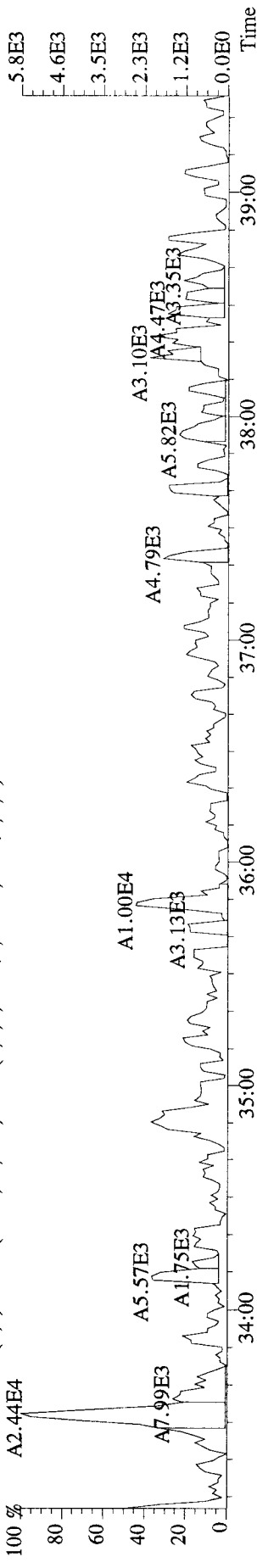
380.9760 S:9 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



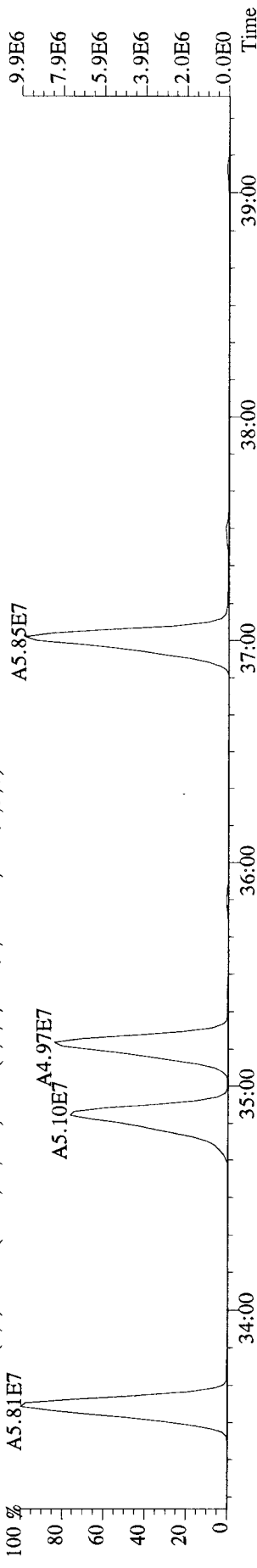
File:22JL099D5 #1-386 Acq:22-JUL-2009 21:43:37 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#9 Text:LFWAG-1-AC :G9F300243-4 Exp:209DB5  
 359.8415 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1396,0,0.00%,F,T)



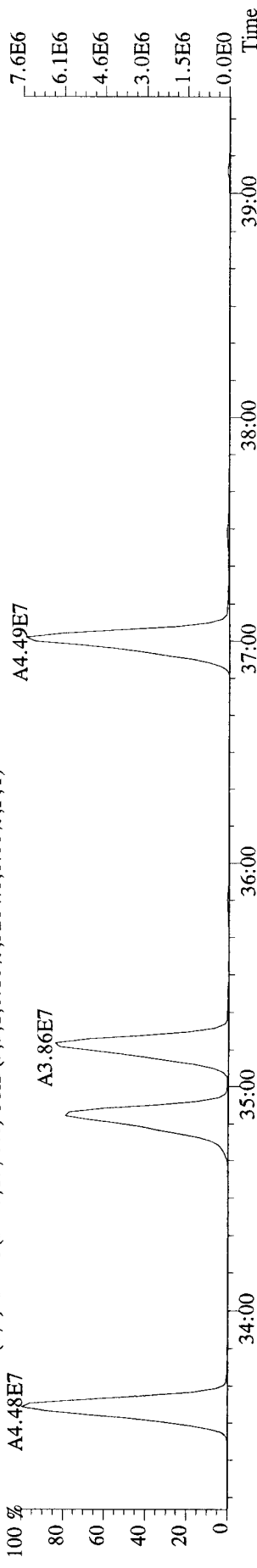
361.8385 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,976,0,0.00%,F,T)



371.8817 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5052,0,0.00%,F,T)

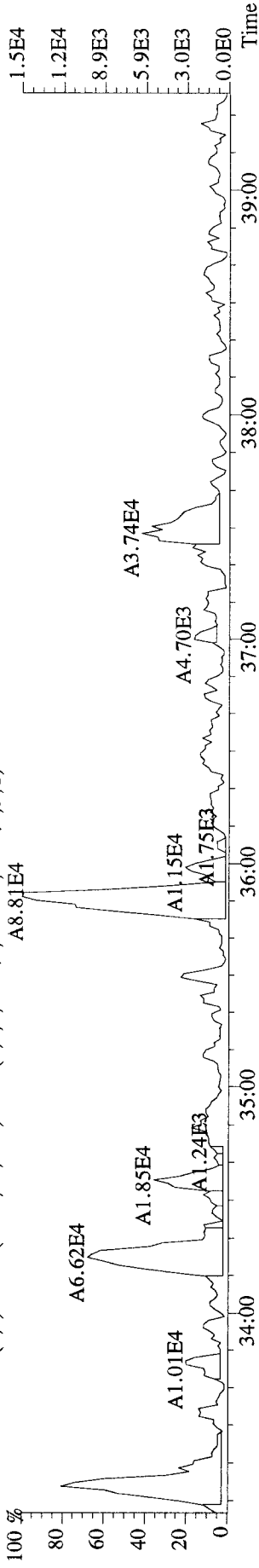


373.8788 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3204,0,0.00%,F,T)

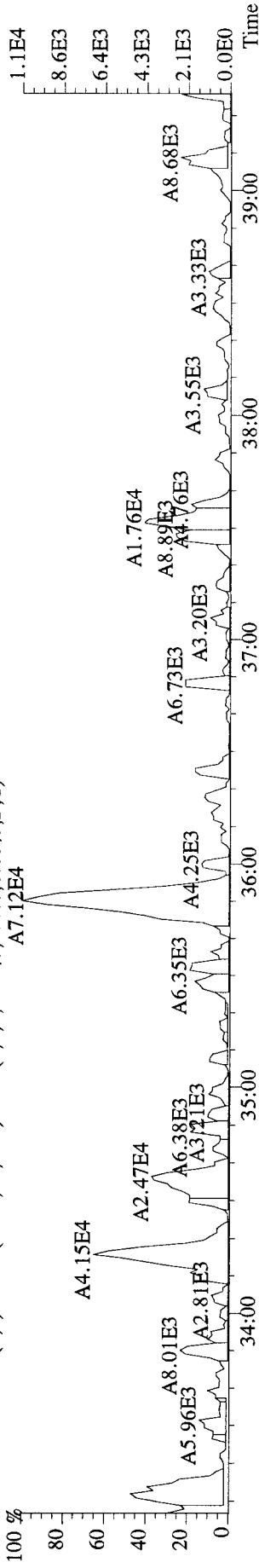


File:22JL099D5 #1-386 Acq:22-JUL-2009 21:43:37 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#9 Text:LFWAG-1-AC :G9F300243-4 Exp:209DB5

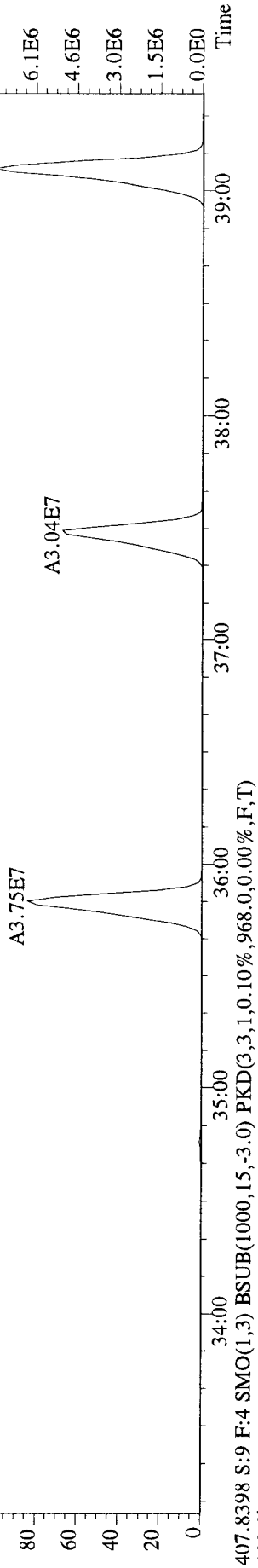
393.8025 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1340,0.0,0.00%,F,T)  
 100 %



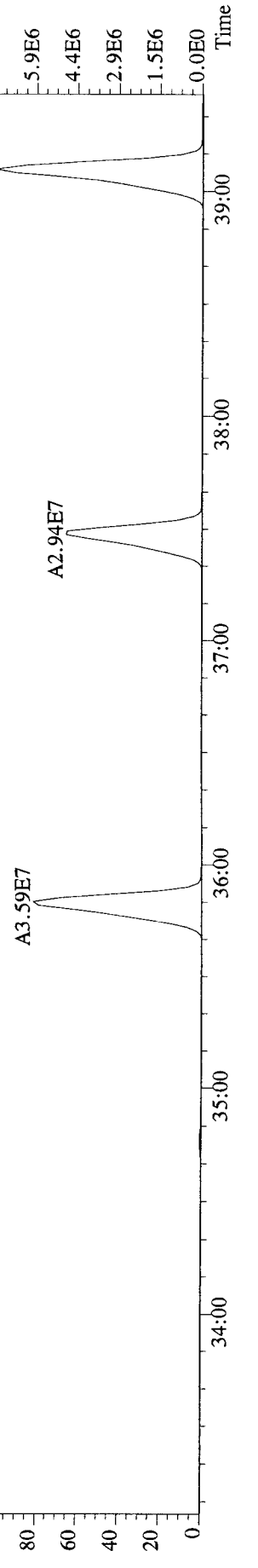
395.7995 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,556,0.0,0.00%,F,T)  
 100 %



405.8428 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1344,0.0,0.00%,F,T)  
 100 %



407.8398 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,968,0.0,0.00%,F,T)  
 100 %



Run text: LFWAM-1-AC Sample text: LFWAM-1-AC :G9F300243-5(3X)  
 Run #9 Filename: 23JL099D5 S: 14 I: 1 Results: 23jl099d51668mslsk  
 Acquired: 24-JUL-09 03:10:58 Processed: 27-JUL-09 11:09:32  
 Run: 23JL099D5 Analyte: 1668MSL Cal: 1668MSL0709099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 0.50 SAMP

*22-1000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	17440420	0.68 y	25:36	-	16.49	-	-	n
13C-TCB-81	13764200	0.79 y	27:07	1.11	2836.68	23.05	70.9	n
TCB-81	2842410	0.84 y	27:07	1.33	622.39	87.57	-	n
13C-TCB-77	13817570	0.75 y	27:40	1.16	2728.33	22.09	68.2	n
TCB-77	8460050	0.85 y	27:41	1.17	2087.03 <i>10/9</i>	98.52	-	n
13C-PeCB-123	17385370	0.64 y	29:02	0.97	4120.76	6.40	103.0	n
PeCB-123	3582780	0.59 y	29:05	1.65	498.60	21.28	-	y
13C-PeCB-118	17905530	0.68 y	29:10	1.01	4085.90 ✓	6.17	102.1	n
PeCB-118/106	74398700	0.62 y	29:11	1.65	10102.45 ✓	20.93	-	y
13C-PeCB-114	18923360	0.67 y	29:48	1.03	4232.13	6.04	105.8	n
PeCB-114	2726680	0.51 n	29:50	1.73	333.93	19.80	-	n
13C-PeCB-105	16965350	0.70 y	30:40	0.97	4010.99	6.39	100.3	n
PeCB-105/127	28155900	0.56 y	30:41	1.53	4340.43 ✓	27.03	-	n
13C-PeCB-126	19156270	0.68 y	32:33	1.00	4411.47	6.22	110.3	n
PeCB-126	*	* n	NotFnd	1.27	*	28.53	-	n
13C-OcCB-202	18727070	0.95 y	34:49	-	16.13	-	-	n
13C-HxCB-167	19797290	1.31 y	33:39	1.04	4050.47	8.22	101.3	n
HxCB-167	3399670	1.22 y	33:35	1.10	624.71	10.31	-	n
13C-HxCB-156	16662030	1.36 y	34:56	0.84	4242.56	10.22	106.1	n
HxCB-156	1480829	1.32 y	34:57	1.50	236.36	9.55	-	n
13C-HxCB-157	16998610	1.26 y	35:15	0.88	4122.68	9.74	103.1	n
HxCB-157	326673	1.05 n	35:16	1.50	51.41	9.09	-	n
13C-HxCB-169	18633660	1.31 y	37:04	0.92	4336.17	9.34	108.4	n
HxCB-169	*	* n	NotFnd	0.99	*	12.03	-	n
13C-HpCB-180	14703720	1.00 y	35:53	0.74	4223.58	1.20	105.6	n
HpCB-180	10748070	1.04 y	35:54	1.32	2220.39 ✓	1.61	-	n
13C-HpCB-170	11876970	1.02 y	37:32	0.61	4150.84	1.46	103.8	n
HpCB-170/190	2891470	1.03 y	37:33	1.63	598.44	1.63	-	n
13C-HpCB-189	16724010	0.99 y	39:08	0.76	4689.18	1.17	117.2	n
HpCB-189	97909	1.06 y	39:09	1.22	19.16	1.51	-	n
13C-PeCB-111	19882750	0.67 y	27:01	1.32	3331.54	5.50	83.3	n

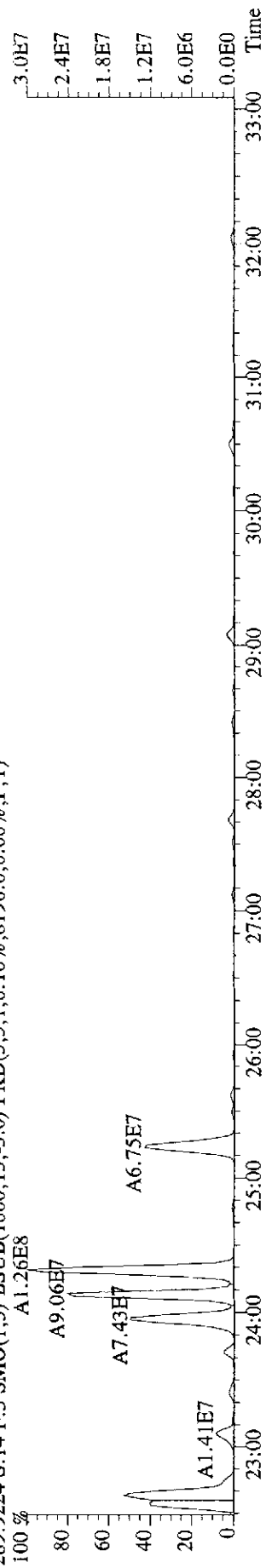
*8/6/09*

Run text: LFWAM-1-AC      Sample text: LFWAM-1-AC :G9F300243-5(3X)  
 Run #9    Filename: 23JL099D5    S: 14    I: 1      Results: 23JL099D51668MSL  
 Acquired: 24-JUL-09    03:10:58      Processed: 27-JUL-09    11:09:32  
 Run: 23JL099D5      Analyte: 1668MSL      Cal: 1668MSL0709099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000SAMP

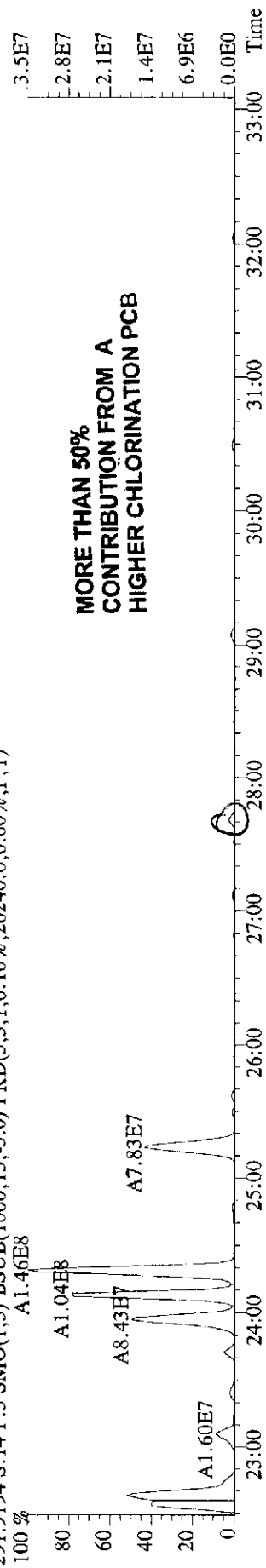
*PL-100*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	17440420	0.68 y	25:36	-	16.49	-	-	n
13C-TCB-81	13764200	0.79 y	27:07	1.11	2836.68	23.05	70.9	n
TCB-81	2842410	0.84 y	27:07	1.33	622.39 <i>LM</i>	87.57	-	n
13C-TCB-77	13817570	0.75 y	27:40	1.16	2728.33	22.09	68.2	n
TCB-77	8460050	0.85 y	27:41	1.17	2087.03 <i>ND/6</i>	98.52	-	n
13C-PeCB-123	17385370	0.64 y	29:02	0.97	4120.76	6.40	103.0	n
PeCB-123	6180340	0.60 y	28:55	1.65	860.10	21.28	-	n
13C-PeCB-118	17905530	0.68 y	29:10	1.01	4085.90	6.17	102.1	n
PeCB-118/106	*	* n	NotFnd	1.65	*	20.93	-	n
13C-PeCB-114	18923360	0.67 y	29:48	1.03	4232.13	6.04	105.8	n
PeCB-114	*	* n	NotFnd	1.73	*	19.80	-	n
13C-PeCB-105	16965340	0.70 y	30:40	0.97	4010.99	6.39	100.3	n
PeCB-105/127	*	* n	NotFnd	1.53	*	27.03	-	n
13C-PeCB-126	19156270	0.68 y	32:33	1.00	4411.47	6.22	110.3	n
PeCB-126	*	* n	NotFnd	1.27	*	28.53	-	n
13C-OcCB-202	18727070	0.95 y	34:49	-	16.13	-	-	n
13C-HxCB-167	19797290	1.31 y	33:39	1.04	4050.47	8.22	101.3	n
HxCB-167	3399670	1.22 y	33:35	1.10	624.71	10.31	-	n
13C-HxCB-156	16662030	1.36 y	34:56	0.84	4242.56	10.22	106.1	n
HxCB-156	1480829	1.32 y	34:57	1.50	236.36	9.55	-	n
13C-HxCB-157	16998610	1.26 y	35:15	0.88	4122.68	9.74	103.1	n
HxCB-157	326673	1.05 n	35:16	1.50	51.41	9.09	-	n
13C-HxCB-169	18633660	1.31 y	37:04	0.92	4336.17	9.34	108.4	n
HxCB-169	*	* n	NotFnd	0.99	*	12.03	-	n
13C-HpCB-180	14703720	1.00 y	35:53	0.74	4223.58	1.20	105.6	n
HpCB-180	10748070	1.04 y	35:54	1.32	2220.39	1.61	-	n
13C-HpCB-170	11876970	1.02 y	37:32	0.61	4150.84	1.46	103.8	n
HpCB-170/190	2891470	1.03 y	37:33	1.63	598.44	1.63	-	n
13C-HpCB-189	16724010	0.99 y	39:08	0.76	4689.18	1.17	117.2	n
HpCB-189	97909	1.06 y	39:09	1.22	19.16	1.51	-	n
13C-PeCB-111	*	* n	NotFnd	1.32	*	5.50	*	n

File:23JL099D5 #1-598 Acq:24-JUL-2009 03:10:58 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:LFWAM-1-AC :G9F300243-5(3X) Exp:209DB5  
 289.9224 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8196.0,0.00%,F,T)

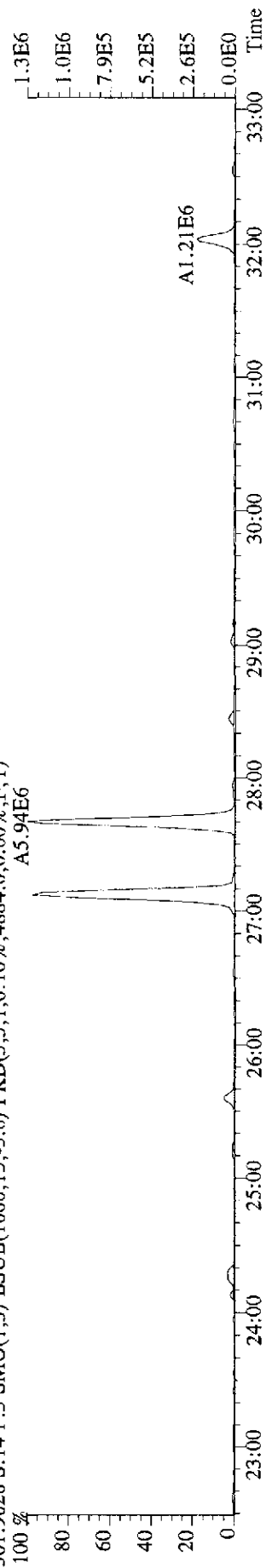


291.9194 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,26240.0,0.00%,F,T)

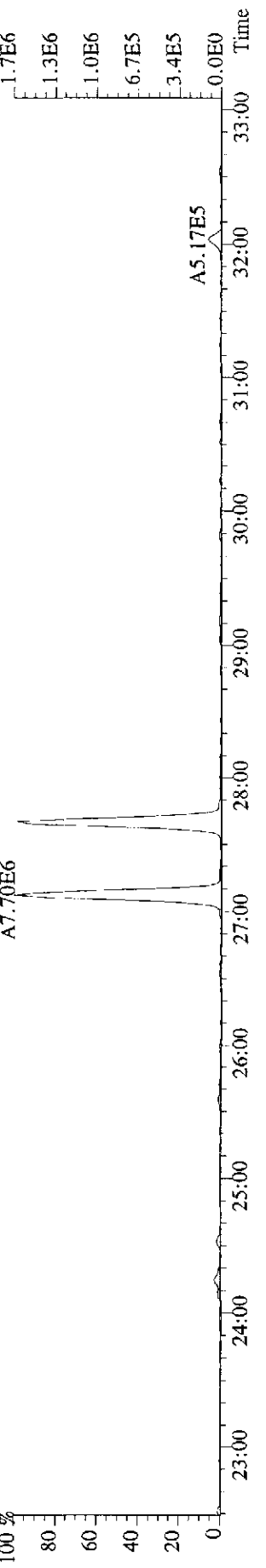


**MORE THAN 50%  
 CONTRIBUTION FROM A  
 HIGHER CHLORINATION PCB**

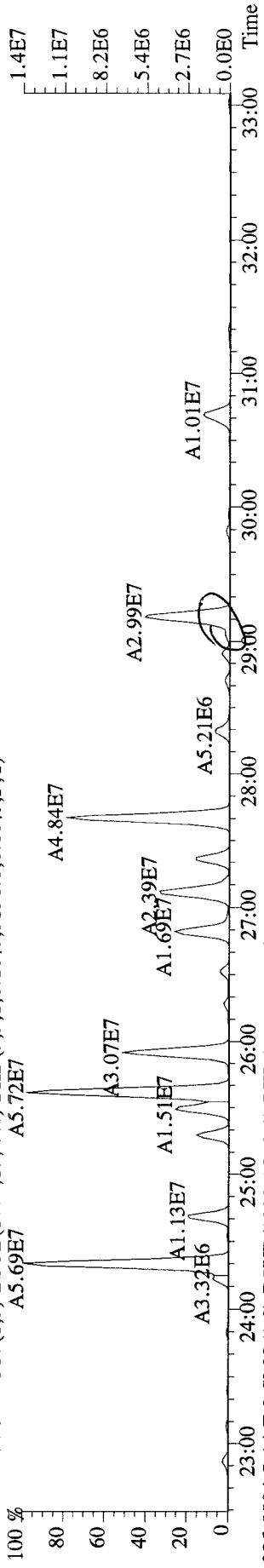
301.9626 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4884.0,0.00%,F,T)



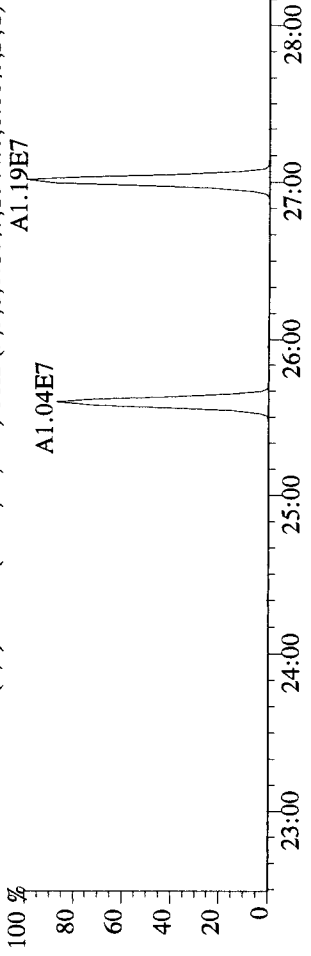
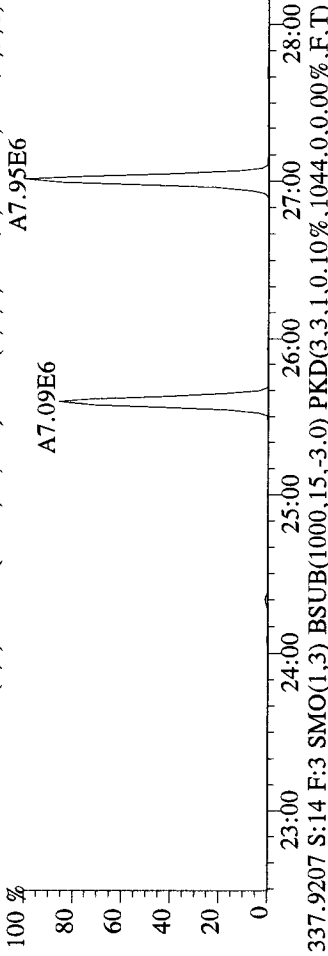
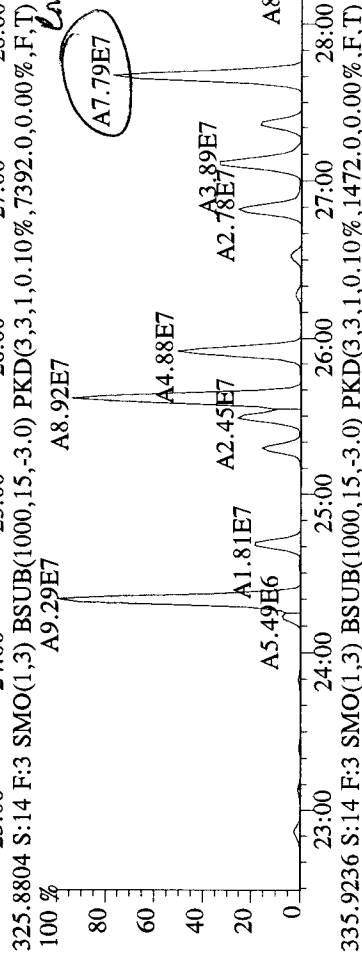
303.9597 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5532.0,0.00%,F,T)



File:23JL099D5 #1-598 Acq:24-JUL-2009 03:10:58 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:LFWAM-1-AC :G9F300243-5(3X) Exp:209DB5  
 323.8834 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5136.0,0.00%,F,T)  
 A5.69E7 A5.72E7

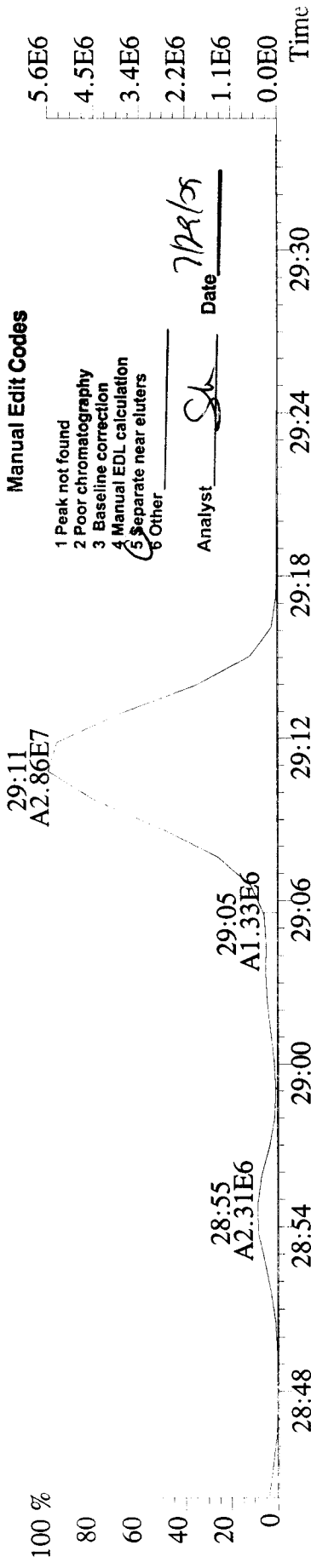


*antibiotics*  
*to 77*

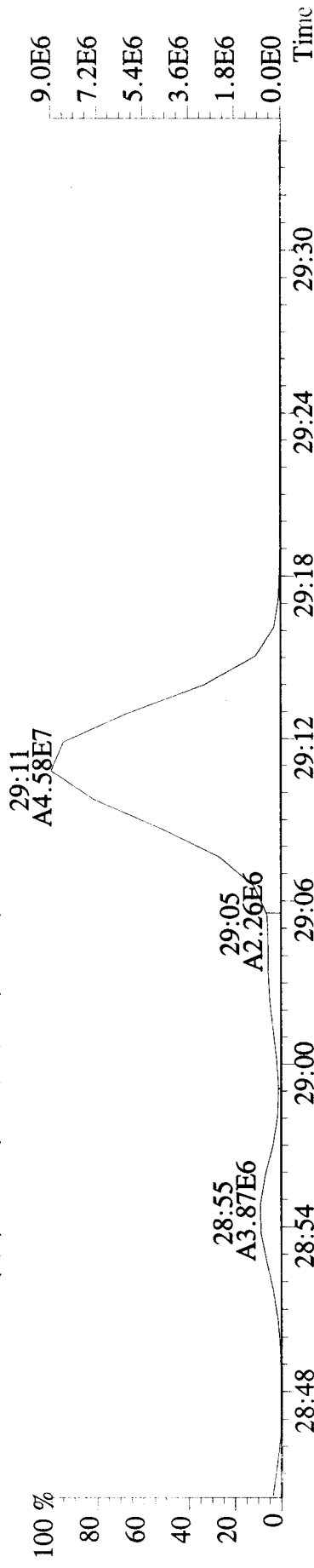




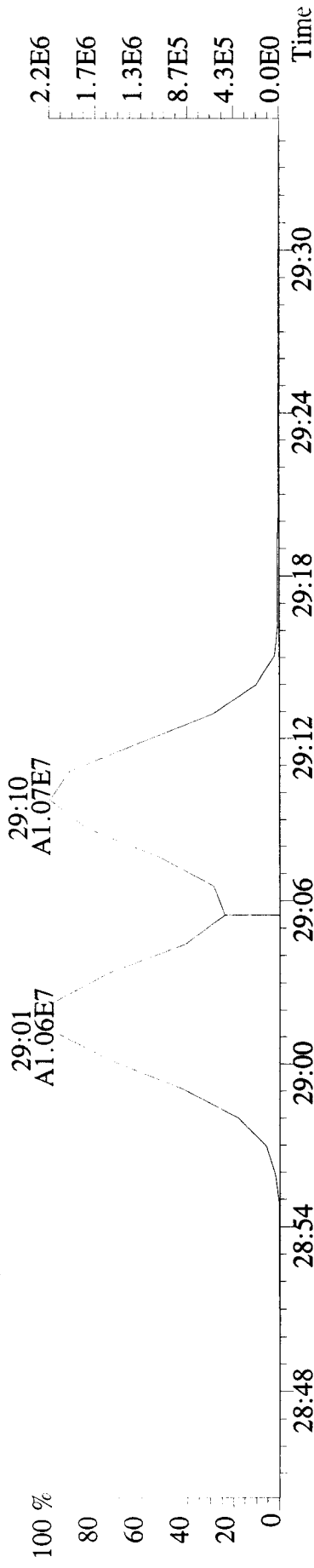
File: 23JL099D5 #1-598 Acq: 24-JUL-2009 03:10:58 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text: LFWAM-1-AC : G9F300243-5( Exp: 209DB5  
 323.8834 S: 14 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5136.0,0.00%,F,T)



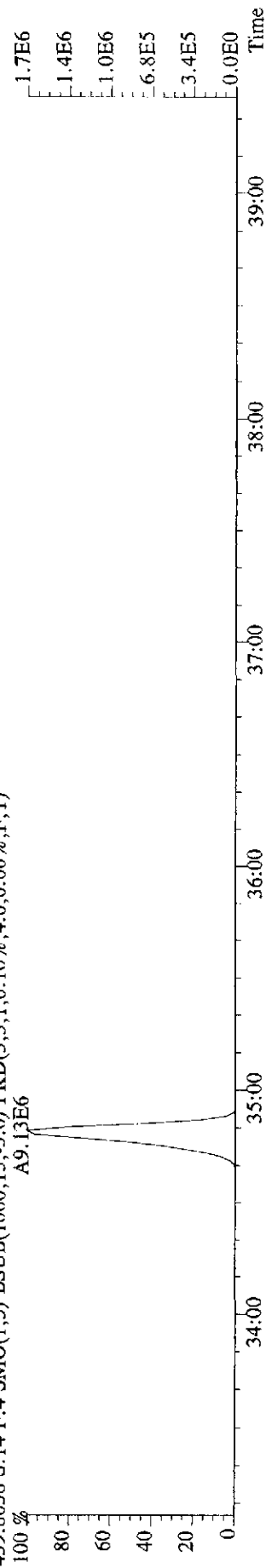
325.8804 S: 14 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7392.0,0.00%,F,T)



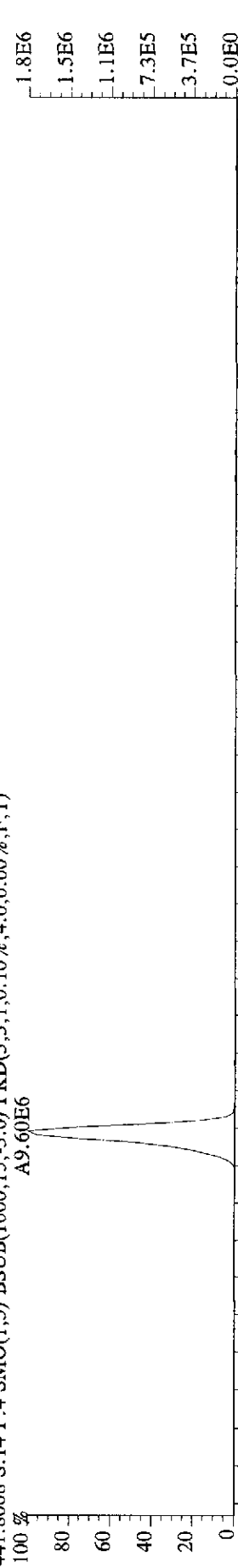
337.9207 S: 14 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1044.0,0.00%,F,T)



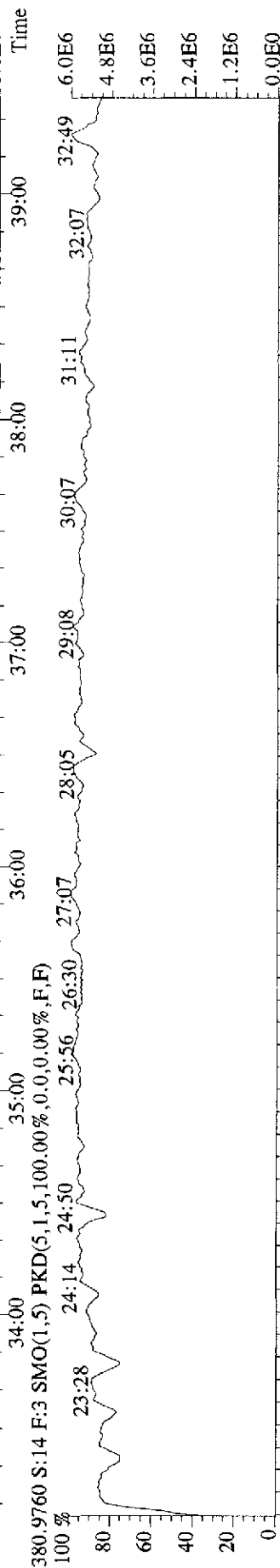
File: 23JL099D5 #1-386 Acq: 24-JUL-2009 03:10:58 GC EI+ Voltage SIR Aerospec-UltimaE  
 Sample#14 Text: LFWAM-1-AC : G9F300243-5(3X) Exp: 209DB5  
 439.8038 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4,0.0.00%,F,T)  
 A9.13E6



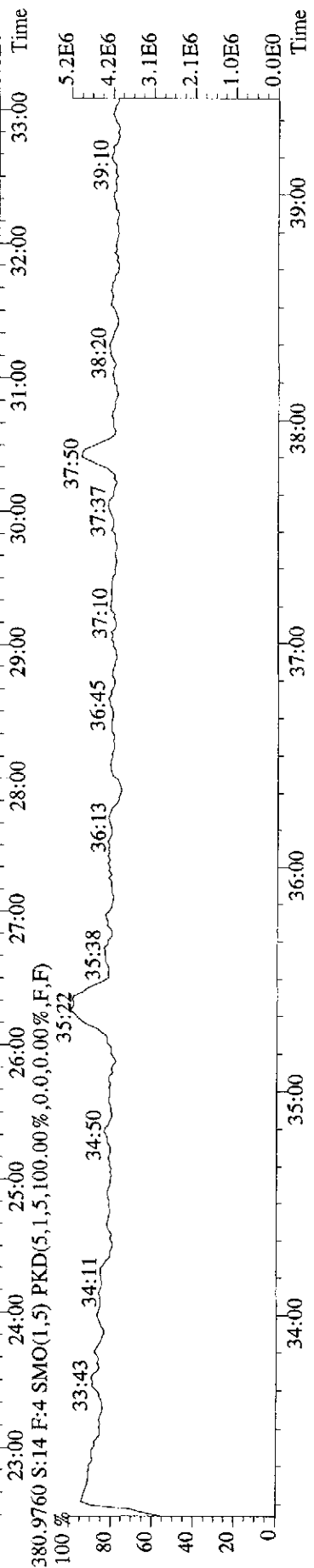
441.8008 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4,0.0.00%,F,T)  
 A9.60E6



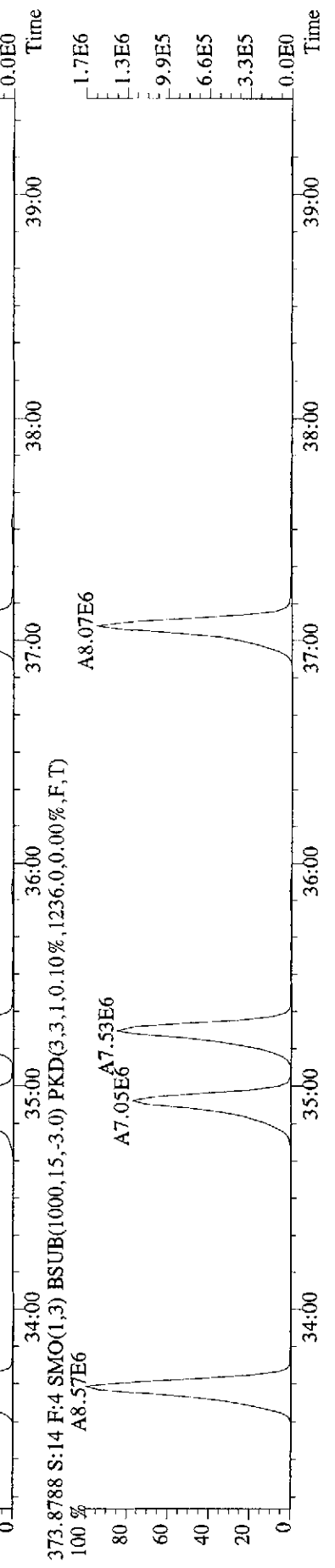
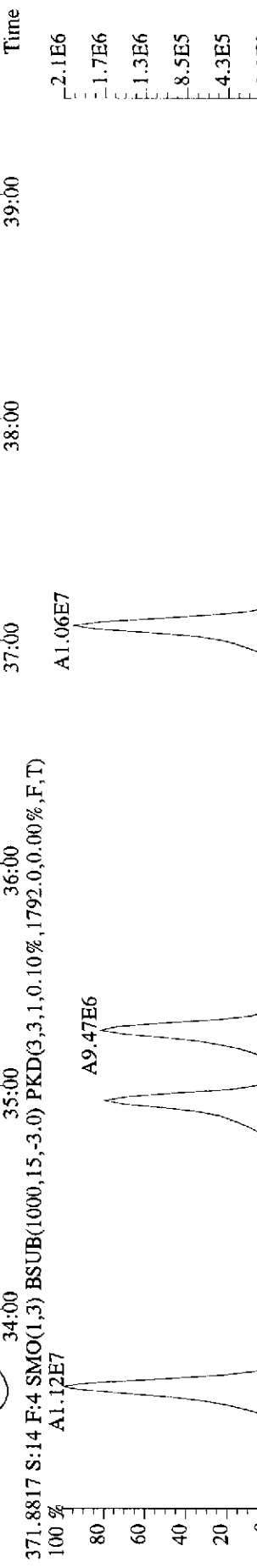
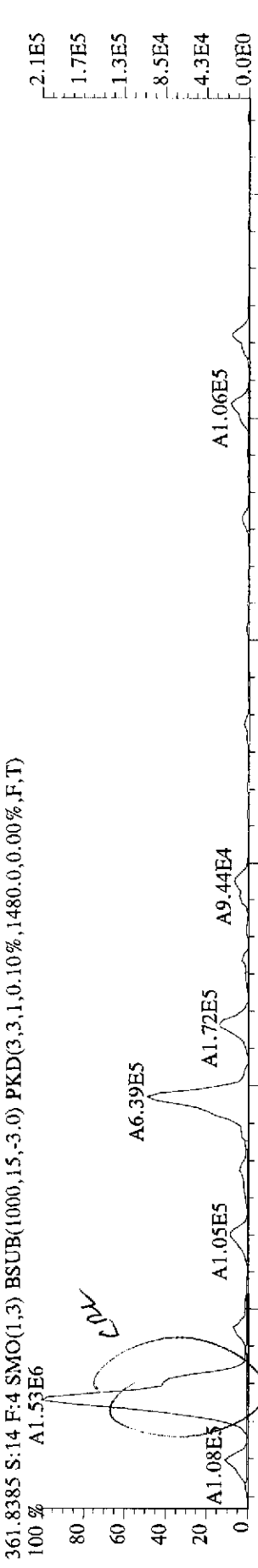
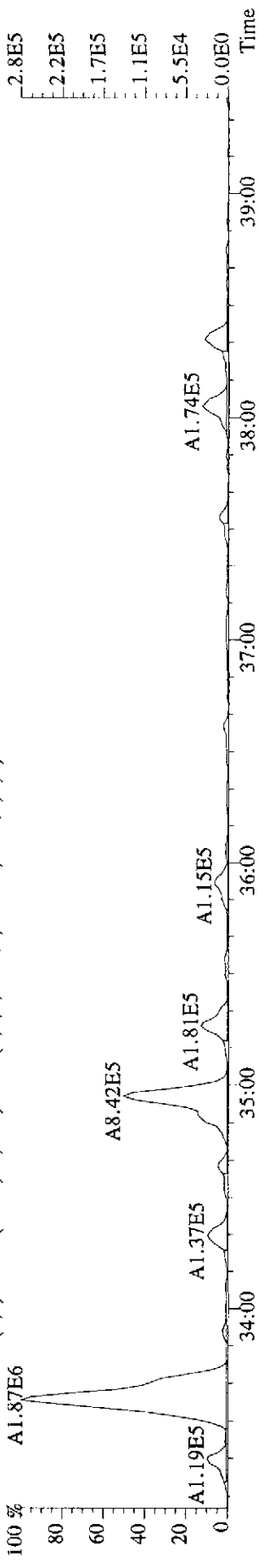
380.9760 S:14 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0.0.00%,F,F)



380.9760 S:14 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0.0.00%,F,F)

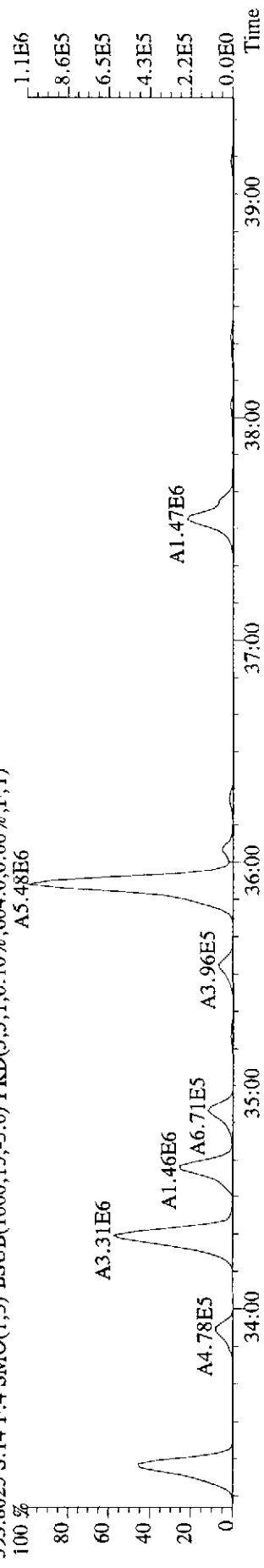


File: 23IL099D5 #1-386 Acq: 24-JUL-2009 03:10:58 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text: LFWAM-1-AC : G9F300243-5(3X) Exp: 209DB5  
 359.8415 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2812.0,0.00%,F,T)

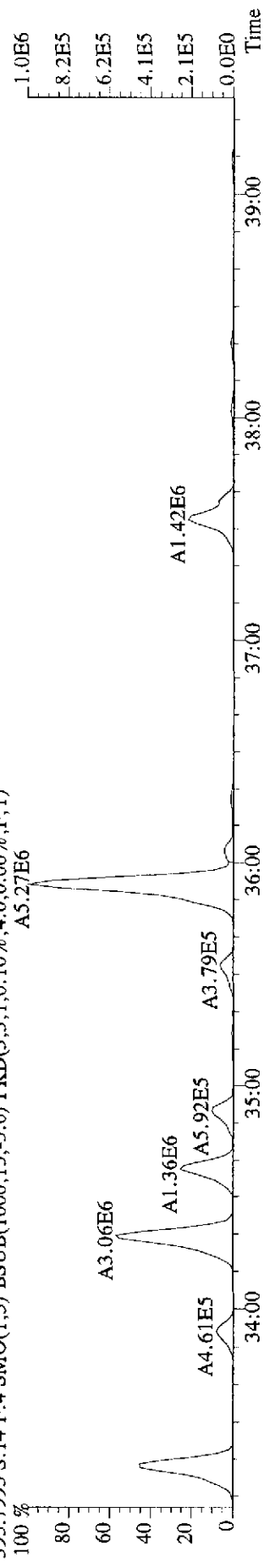


File:23JL099D5 #1-386 Acq:24-JUL-2009 03:10:58 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:LFWAM-1-AC :G9F300243-5(3X) Exp:209DB5

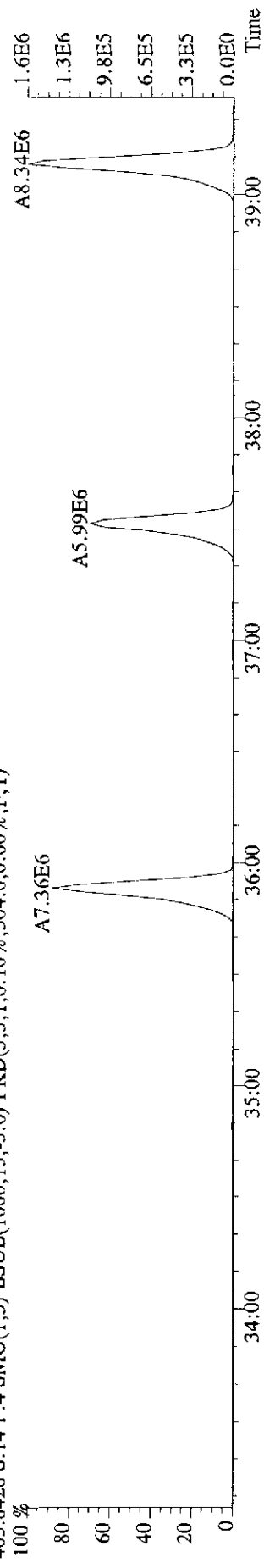
393.8025 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,604,0.000%,F,T)  
 A5.48E6



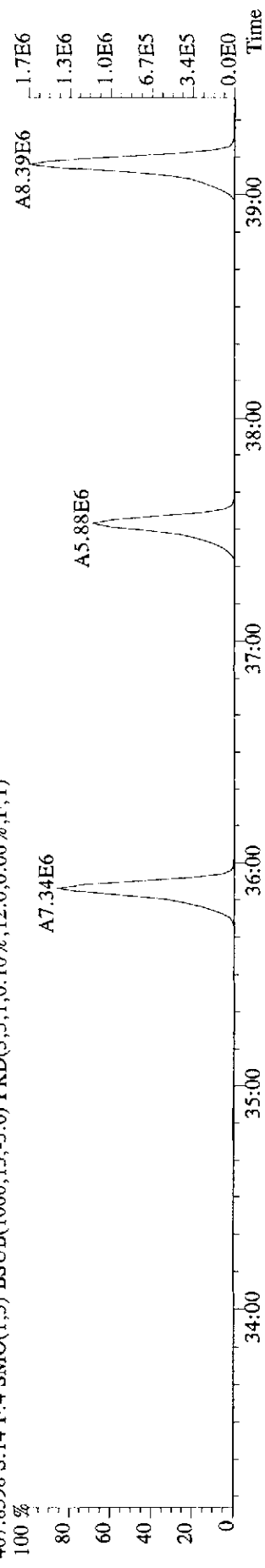
395.7995 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4,0.000%,F,T)  
 A5.27E6



405.8428 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,304,0.000%,F,T)  
 A7.36E6



407.8398 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,12,0.000%,F,T)  
 A7.34E6



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668M

Associated ICAL 1668MSL070909905

Column ID DB-5

Instrument ID 905

STD ID ST0722

STD Solution 09DXN207

Analyzed by KAS

Date Analyzed 7-22-09

Std. Pkg. By SMA

Date Std. Pkg. Assembled 7-24-09

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 7/27/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley $\leq$ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\* Method 1668A (PCBs):  $\pm 30\%$  from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and  $\pm 50\%$  for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the  $\pm 30\%$  limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have  $\pm 40\%$  limit.

Method 1614 (DBDs/DBFs):  $\pm 30\%$  from curve RRFs for native analytes and  $\pm 50\%$  from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is  $\pm 30\%$ ).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0722 File text: ST0722 :CS3 09DXN207  
 Run #6 Filename 22JL099D5 S: 1 I: 1  
 Acquired: 22-JUL-09 13:25:07 Processed: 24-JUL-09 16:23:00  
 Run: 22JL099D5 Analyte: 1668MSL Cal: 1668MSL0709099D5 Results: 22JL099D51668MSL

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	99846400	0.66 y	25:25	-	100.00	-	n
13C-TCB-81	135461100	0.82 y	26:57	1.36	100.00	21.9	n
TCB-81	97956900	0.78 y	26:58	1.45	50.00	9.0	n
13C-TCB-77	142676000	0.81 y	27:31	1.43	100.00	23.0	n
TCB-77	89932000	0.79 y	27:32	1.26	50.00	7.4	n
13C-PeCB-123	100863000	0.67 y	28:53	1.01	100.00	4.4	n
PeCB-123	91337100	0.63 y	28:55	1.81	50.00	9.5	n
13C-PeCB-118	102459100	0.67 y	29:02	1.03	100.00	2.1	n
PeCB-118/106	94210300	0.64 y	29:03	1.84	50.00	11.8	n
13C-PeCB-114	106469100	0.68 y	29:40	1.07	100.00	4.0	n
PeCB-114	101352200	0.63 y	29:41	1.90	50.00	10.3	n
13C-PeCB-105	91597100	0.67 y	30:33	0.92	100.00	-5.4	n
PeCB-105/127	79585500	0.63 y	30:34	1.74	50.00	13.6	n
13C-PeCB-126	106702600	0.66 y	32:27	1.07	100.00	7.3	n
PeCB-126	74957400	0.63 y	32:28	1.40	50.00	10.5	n
13C-OcCB-202	103455500	0.91 y	34:45	-	100.00	-	n
13C-HxCB-167	138500100	1.27 y	33:34	1.34	100.00	28.2	n
HxCB-167	97776700	1.24 y	33:33	1.41	50.00	28.4	y ✓
13C-HxCB-156	112839500	1.28 y	34:52	1.09	100.00	30.0	n
HxCB-156	89610600	1.24 y	34:53	1.59	50.00	5.6	n
13C-HxCB-157	120841400	1.28 y	35:11	1.17	100.00	32.6	n
HxCB-157	94861400	1.25 y	35:12	1.57	50.00	5.0	n
13C-HxCB-169	132708800	1.26 y	37:00	1.28	100.00	39.8	n
HxCB-169	69097900	1.23 y	37:01	1.04	50.00	5.4	n
13C-HpCB-180	89053100	1.05 y	35:49	0.86	100.00	15.8	n
HpCB-180	57347300	1.07 y	35:50	1.29	50.00	-2.2	n
13C-HpCB-170	73823600	1.05 y	37:29	0.71	100.00	16.8	n
HpCB-170/190	58843100	1.08 y	37:30	1.59	50.00	-2.0	n
13C-HpCB-189	97131500	1.03 y	39:05	0.94	100.00	23.2	n
HpCB-189	58274600	1.09 y	39:07	1.20	50.00	-1.8	n
13C-PeCB-111	136417600	0.66 y	26:50	1.34	100.00	1.6	n

Run text: ST0722 File text: ST0722 :CS3 09DXN207  
 Run #6 Filename 22JL099D5 S: 1 I: 1  
 Acquired: 22-JUL-09 13:25:07 Processed: 24-JUL-09 16:23:00  
 Run: 22JL099D5 Analyte: 1668MSL Cal: 1668MSL0709099D5 Results: 22JL099D51668MSL

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	99846400	0.66 y	25:25	-	100.00	-	n
13C-TCB-81	135461100	0.82 y	26:57	1.36	100.00	21.9	n
TCB-81	97956900	0.78 y	26:58	1.45	50.00	9.0	n
13C-TCB-77	142676000	0.81 y	27:31	1.43	100.00	23.0	n
TCB-77	89932000	0.79 y	27:32	1.26	50.00	7.4	n
13C-PeCB-123	100863000	0.67 y	28:53	1.01	100.00	4.4	n
PeCB-123	91337100	0.63 y	28:55	1.81	50.00	9.5	n
13C-PeCB-118	102459100	0.67 y	29:02	1.03	100.00	2.1	n
PeCB-118/106	94210300	0.64 y	29:03	1.84	50.00	11.8	n
13C-PeCB-114	106469100	0.68 y	29:40	1.07	100.00	4.0	n
PeCB-114	101352200	0.63 y	29:41	1.90	50.00	10.3	n
13C-PeCB-105	91597100	0.67 y	30:33	0.92	100.00	-5.4	n
PeCB-105/127	79585500	0.63 y	30:34	1.74	50.00	13.6	n
13C-PeCB-126	106702600	0.66 y	32:27	1.07	100.00	7.3	n
PeCB-126	74957400	0.63 y	32:28	1.40	50.00	10.5	n
13C-OcCB-202	103455500	0.91 y	34:45	-	100.00	-	n
13C-HxCB-167	138500100	1.27 y	33:34	1.34	100.00	28.2	n
HxCB-167	160112100	1.23 y	33:33	2.31	50.00	110.3	n
13C-HxCB-156	112839500	1.28 y	34:52	1.09	100.00	30.0	n
HxCB-156	89610600	1.24 y	34:53	1.59	50.00	5.6	n
13C-HxCB-157	120841400	1.28 y	35:11	1.17	100.00	32.6	n
HxCB-157	94861400	1.25 y	35:12	1.57	50.00	5.0	n
13C-HxCB-169	132708800	1.26 y	37:00	1.28	100.00	39.8	n
HxCB-169	69097900	1.23 y	37:01	1.04	50.00	5.4	n
13C-HpCB-180	89053100	1.05 y	35:49	0.86	100.00	15.8	n
HpCB-180	57347300	1.07 y	35:50	1.29	50.00	-2.2	n
13C-HpCB-170	73823600	1.05 y	37:29	0.71	100.00	16.8	n
HpCB-170/190	58843100	1.08 y	37:30	1.59	50.00	-2.0	n
13C-HpCB-189	97131500	1.03 y	39:05	0.94	100.00	23.2	n
HpCB-189	58274600	1.09 y	39:07	1.20	50.00	-1.8	n
13C-PeCB-111	136417600	0.66 y	26:50	1.34	100.00	1.6	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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22JL099D5	2	ST0722A	09DXN229 209 2ND SRC				1.00000	
22JL099D5	3	SB0723	Solvent Blank C-12				1.00000	
22JL099D5	4		G9F300243-1MB		1668A/AIR	95	0.50000	SAM
22JL099D5	5		G9F300243-1LCS		1668A/AIR		0.50000	SAM
22JL099D5	6	LFV93-1-AC	G9F300243-1		1668A/AIR		0.50000	SAM
22JL099D5	7	LFV97-1-AC	G9F300243-2		1668A/AIR		0.50000	SAM
22JL099D5	8	LFWAC-1-AC	G9F300243-3		1668A/AIR		0.50000	SAM
22JL099D5	9	LFWAG-1-AC	G9F300243-4		1668A/AIR		0.50000	SAM
22JL099D5	10	LFWAM-1-AC	G9F300243-5		1668A/AIR		0.00000	SAM
22JL099D5	11	LGNV0-1-AA	G9G150333-1MB		1668A/AIR	93	0.50000	SAM
22JL099D5	12	LGNV0-1-AC	G9G150333-LCS		1668A/AIR		0.50000	SAM
22JL099D5	13	LGNV0-1-AD	G9G150333-DCS		1668A/AIR		0.50000	SAM
22JL099D5	14	SB0723	Solvent Blank C-12				1.00000	
22JL099D5	15	ST0722	CS3 09DXN207				1.00000	
22JL099D5	16	ST0722A	09DXN229 209 2ND SRC				1.00000	
22JL099D5	17	SB0723	Solvent Blank C-12				1.00000	
22JL099D5	18	LGJQL-1-AC	G9G150333-1		1668A/AIR	93	0.50000	SAM
22JL099D5	19	LGJQQ-1-AC	G9G150333-2		1668A/AIR		0.50000	SAM
22JL099D5	20	LGENV-1-AA	G9G070210-MB		1668A/SOLID	91	10.00000	g
22JL099D5	21	LF5FW-1-AC	G9G070215-1		1668A/SOLID		10.02500	g
22JL099D5	22	LF5FX-1-AC	G9G070215-2		1668A/SOLID		10.03000	g
22JL099D5	23	LF5F1-1-AC	G9G070215-3		1668A/SOLID		10.07000	g
22JL099D5	24	LGENV-1-AA	G9G070210-MB (RI)		1668A/SOLID		10.00000	g
22JL099D5	25	LF5FR-1-AC	G9G070212-3		1668A/SOLID		10.00500	g
22JL099D5	26	LF5FT-1-AC	G9G070212-4		1668A/SOLID		10.03500	G
22JL099D5	27						1.00000	
22JL099D5	28						1.00000	
22JL099D5	29		KAS 7-22-09				1.00000	
22JL099D5	30						1.00000	

reviewed

by

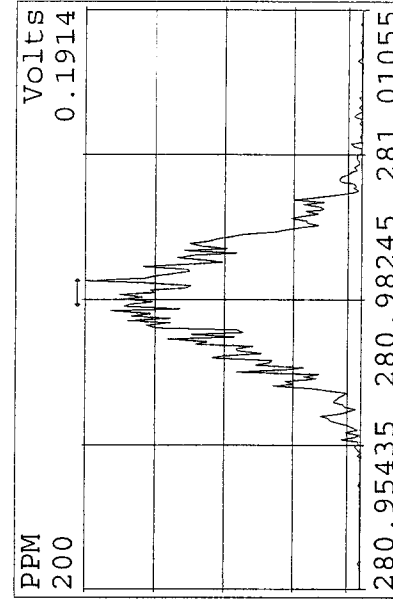
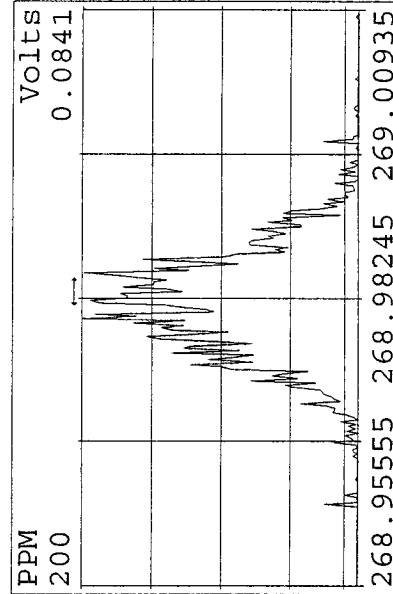
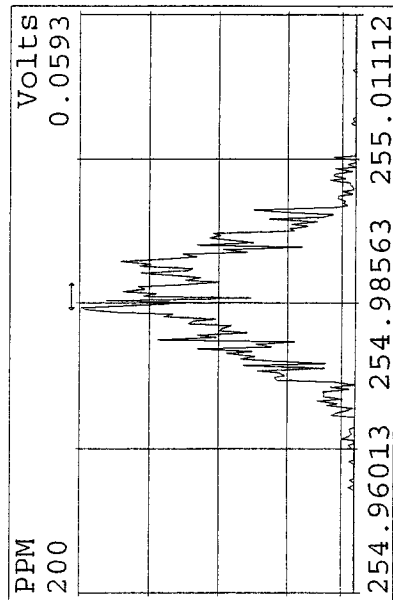
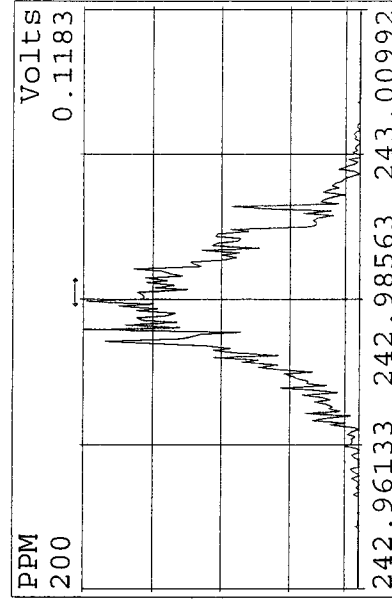
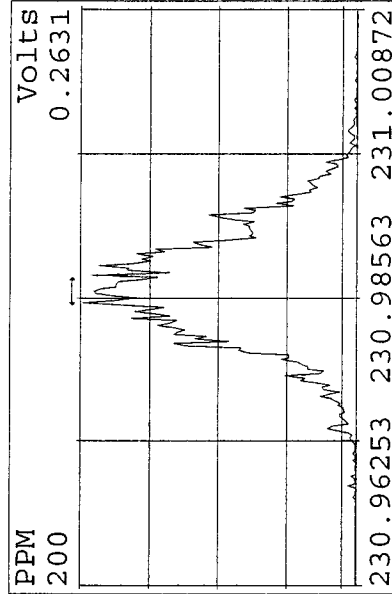
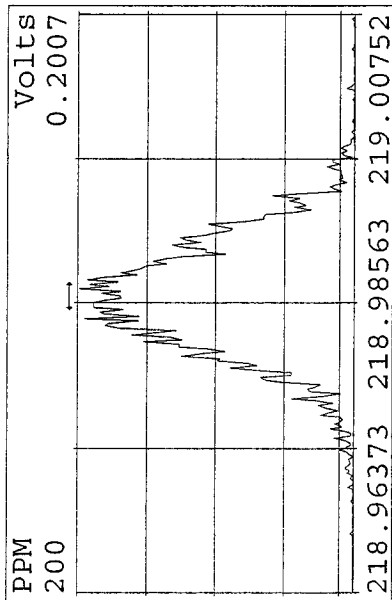
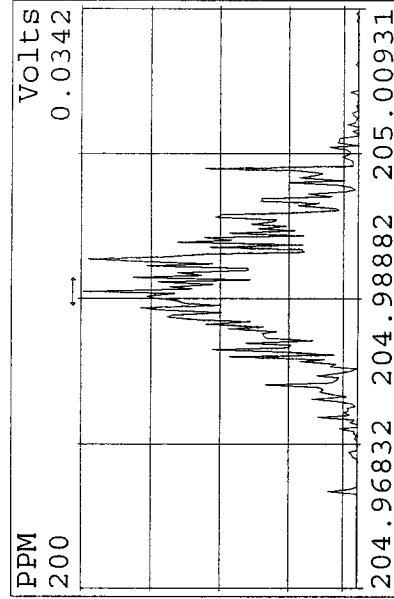
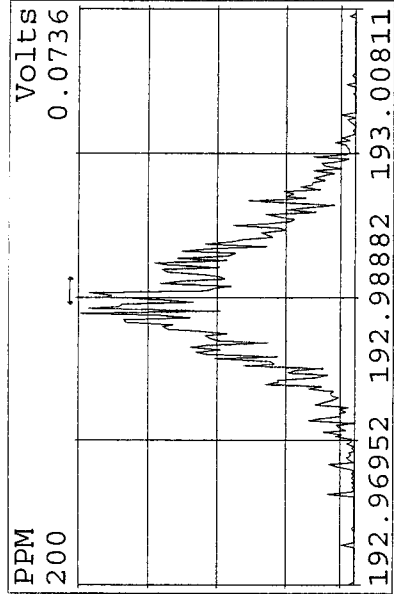
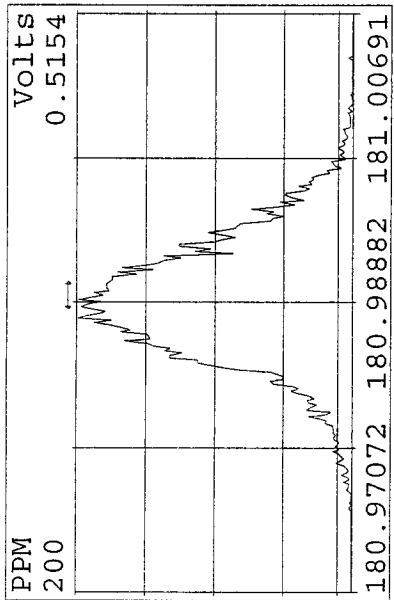
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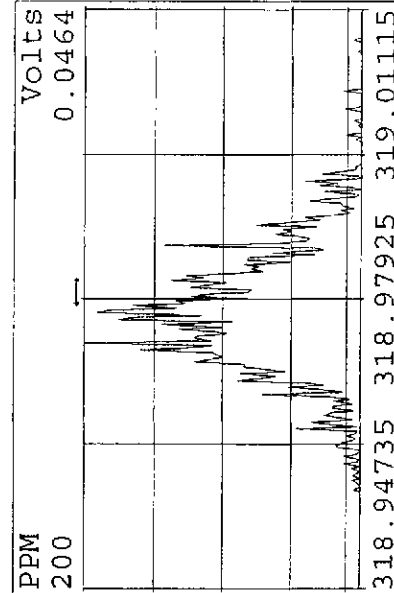
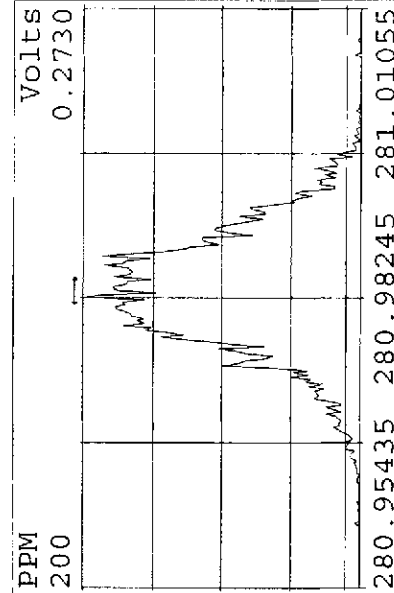
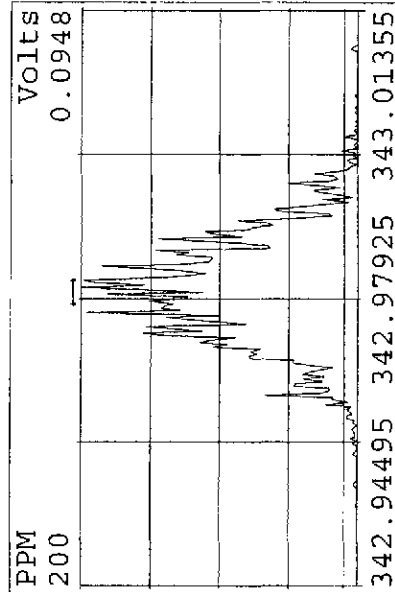
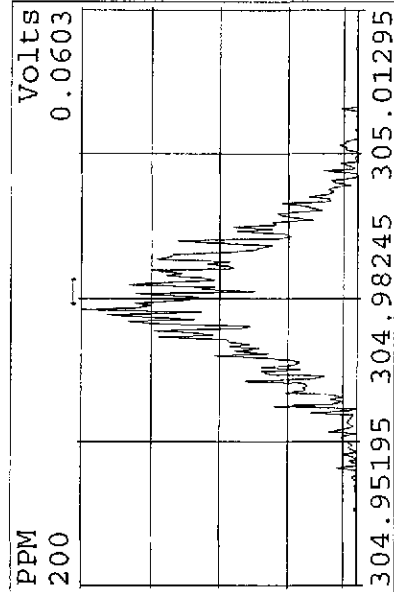
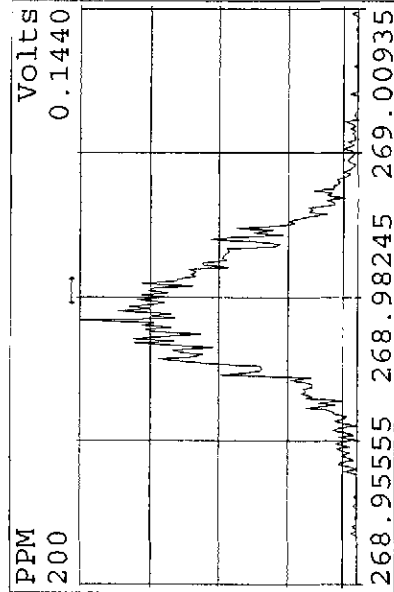
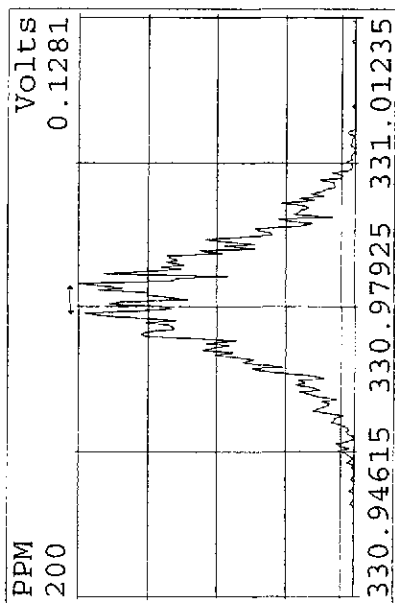
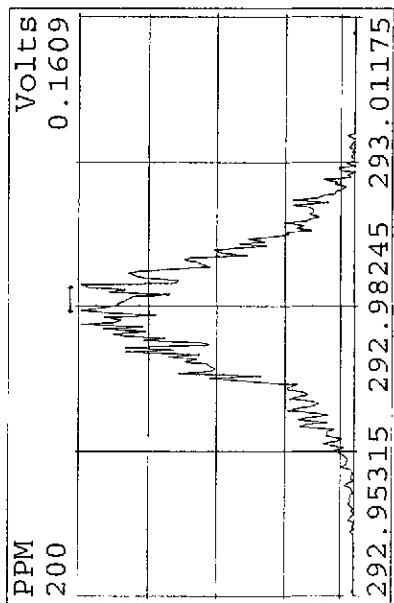
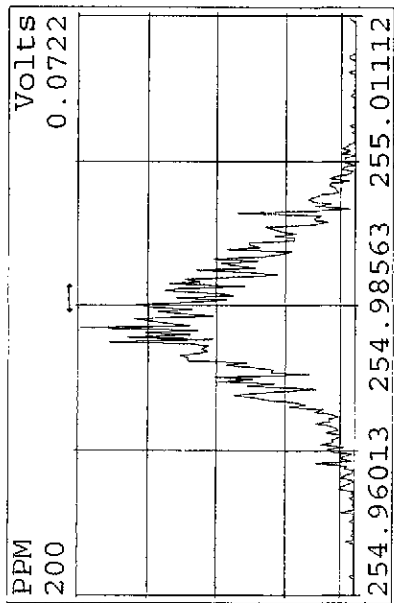
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been reviewed  
7/23/09



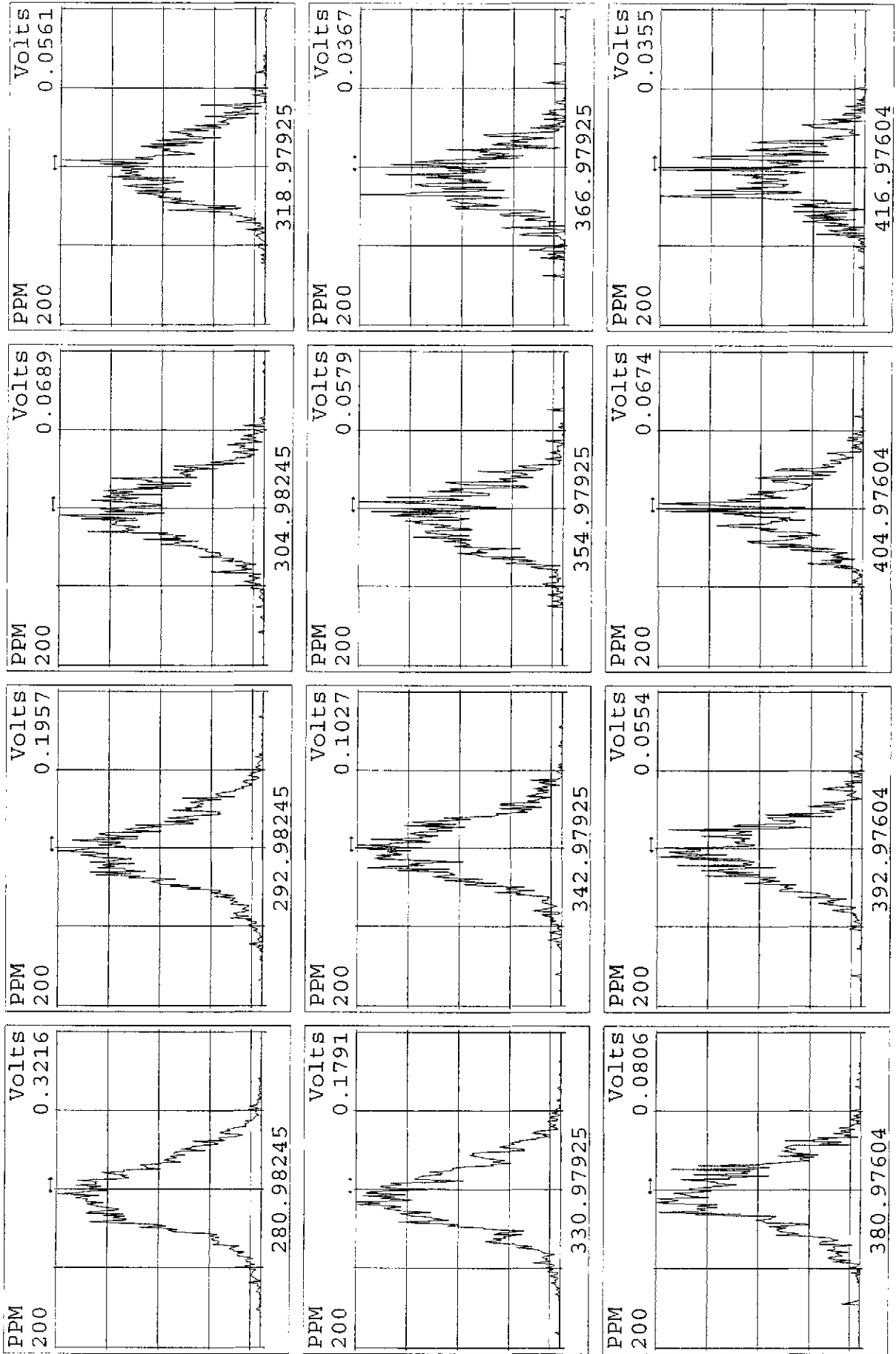
Peak Locate Examination: 22-JUL-2009: 13:23 File: 22JL099D5  
 Experiment: 209DB5 Function: 1 Reference: PFK



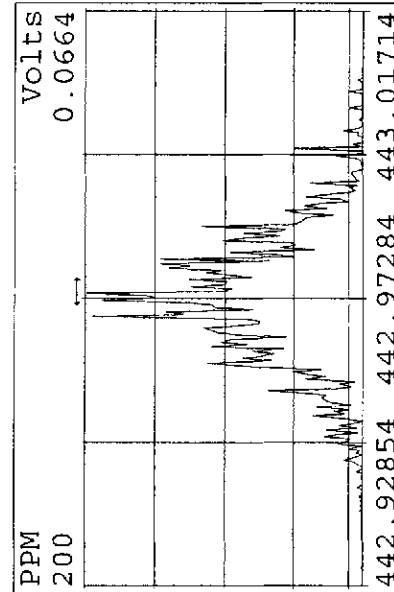
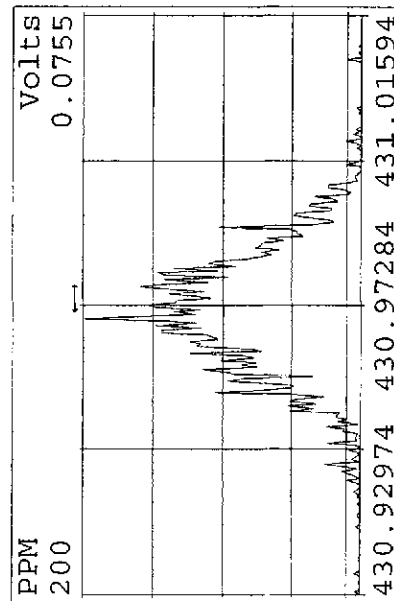
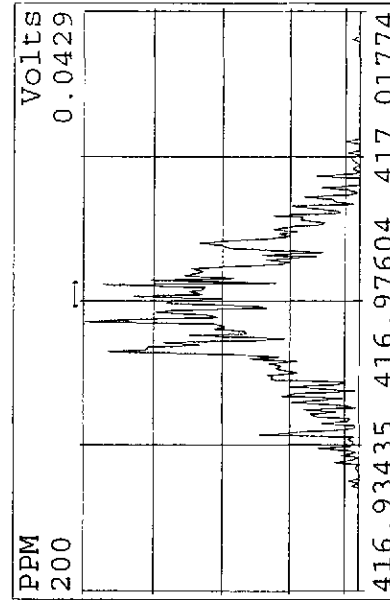
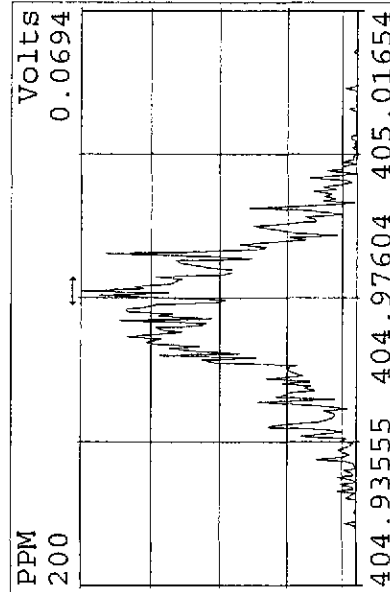
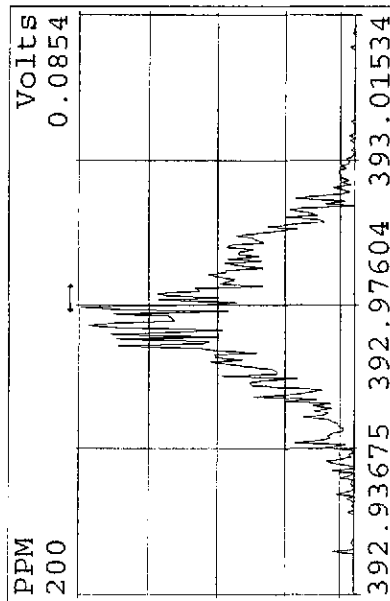
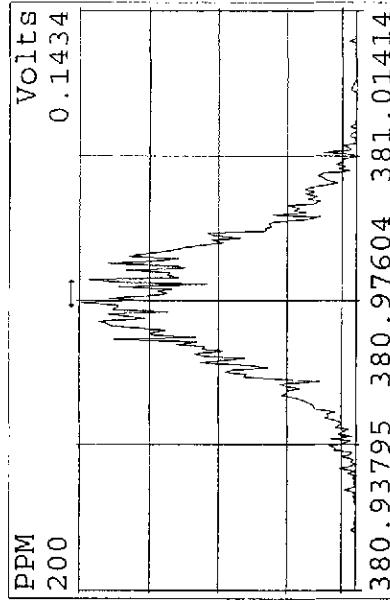
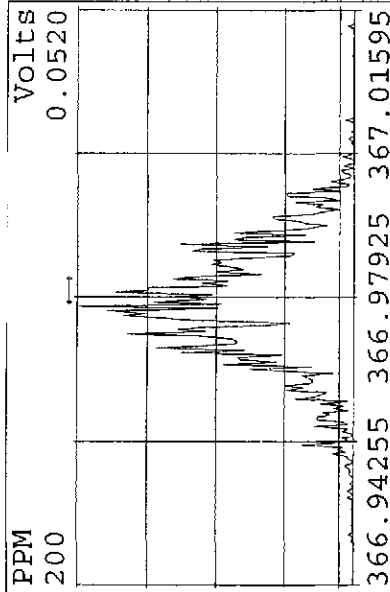
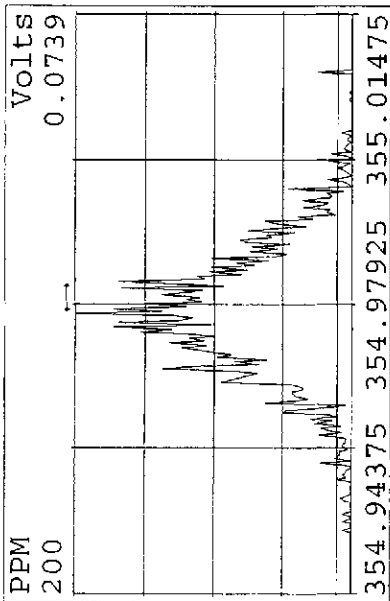
Peak Locate Examination: 22-JUL-2009: 13:23 File: 22JL099D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



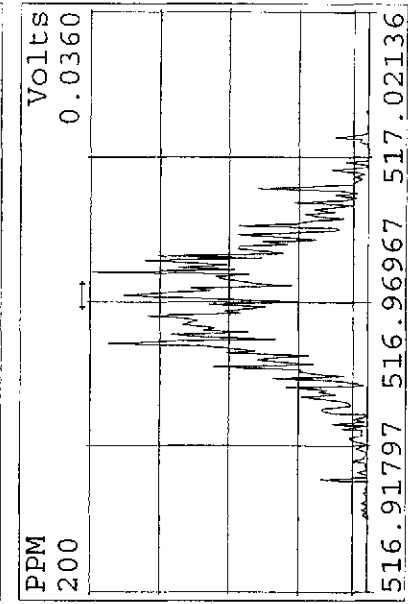
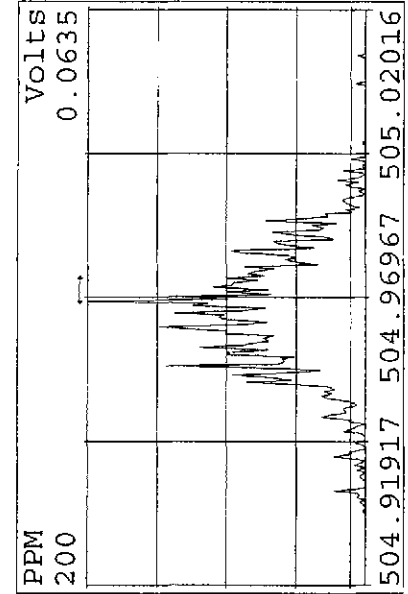
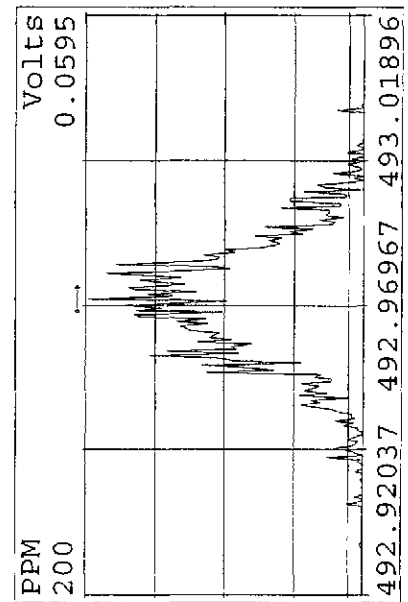
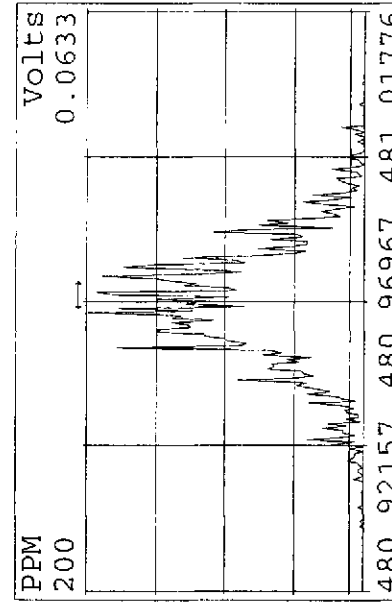
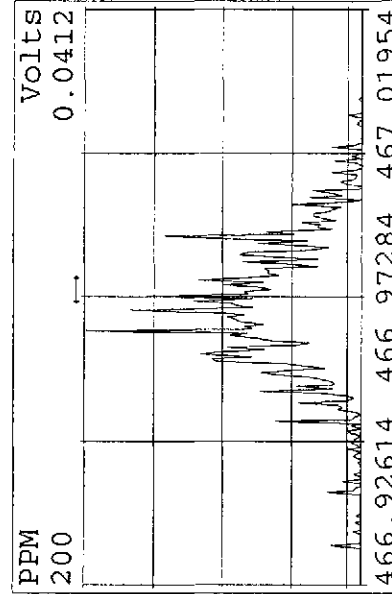
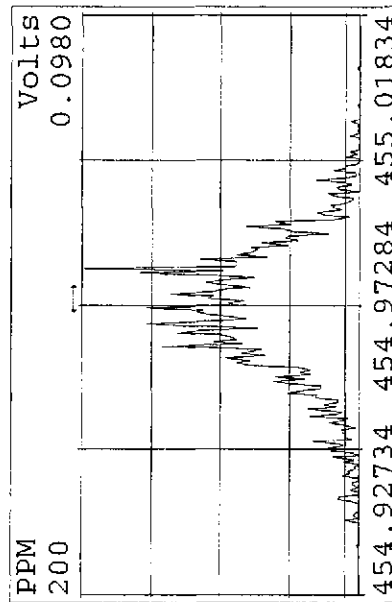
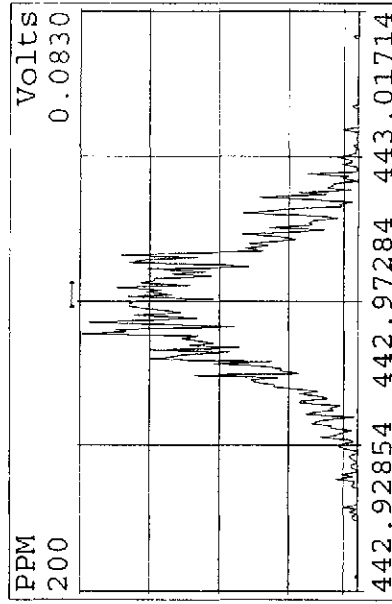
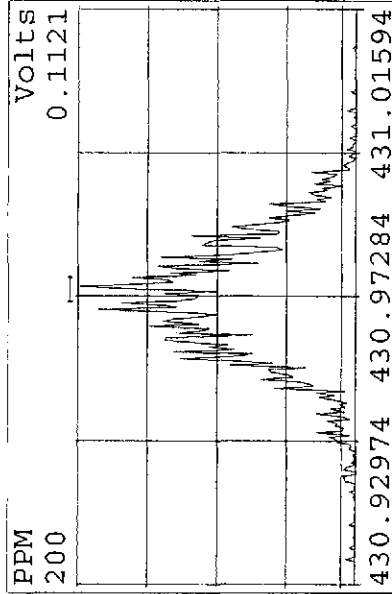
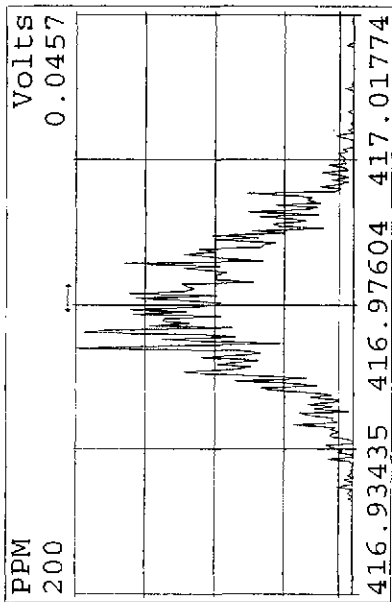
Peak Locate Examination: 22-JUL-2009: 13:24 File: 22JL099D5  
Experiment: 209DB5 Function: 3 Reference: PFK



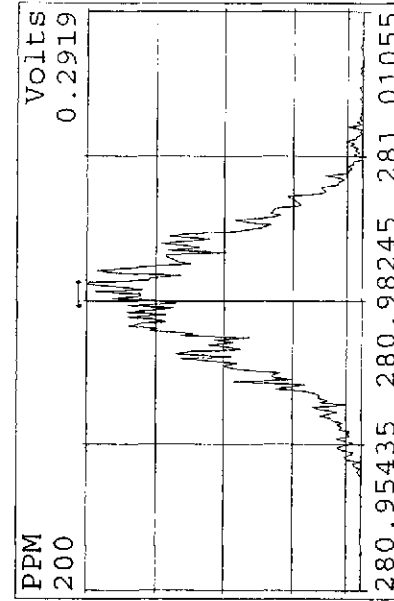
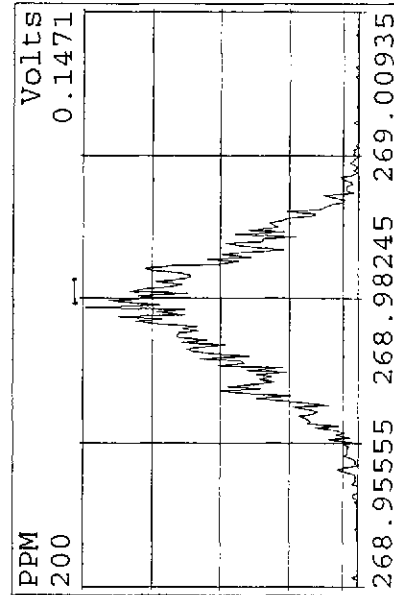
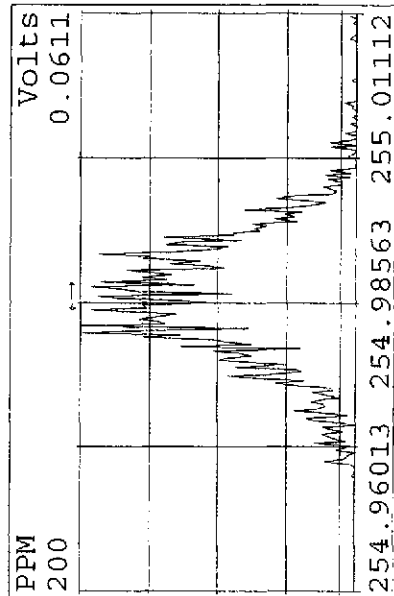
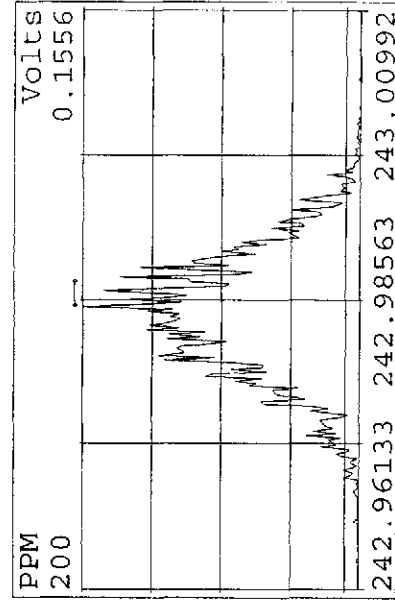
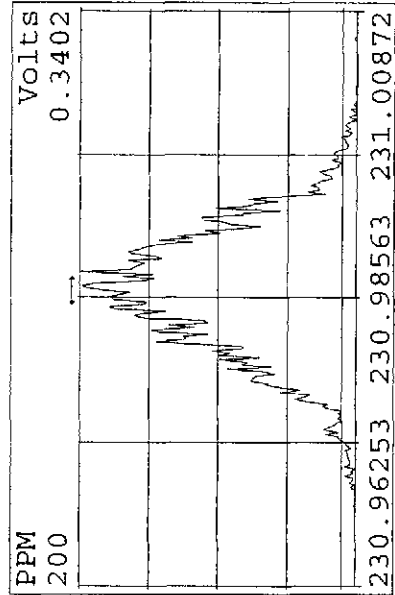
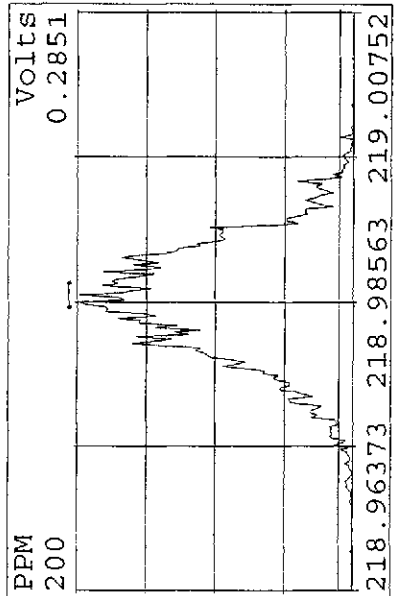
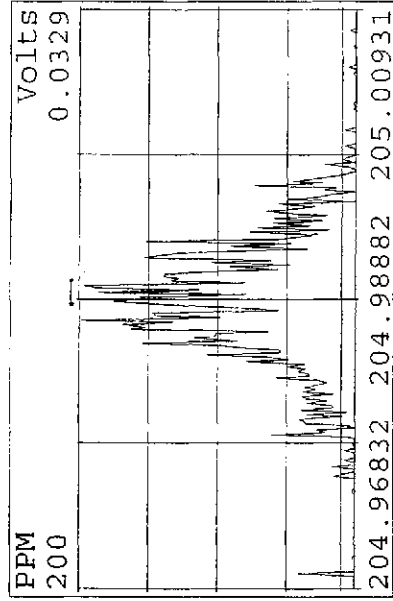
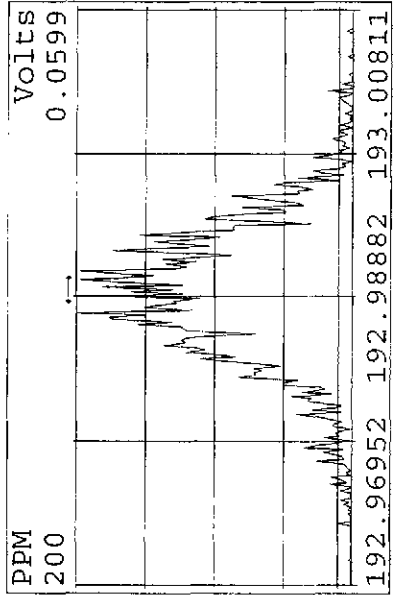
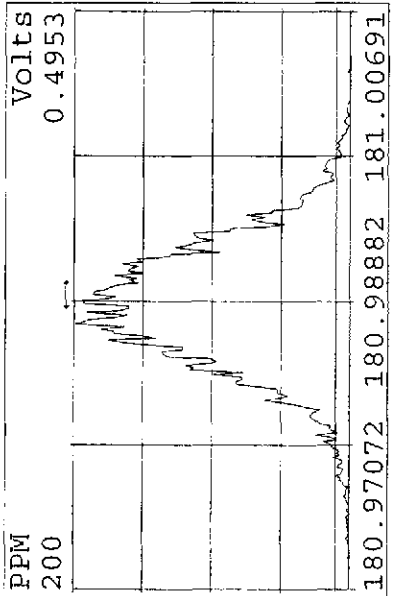
Peak Locate Examination: 22-JUL-2009: 13:24 File: 22JL099D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



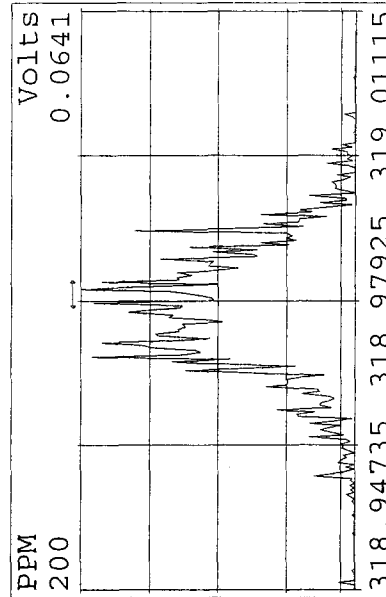
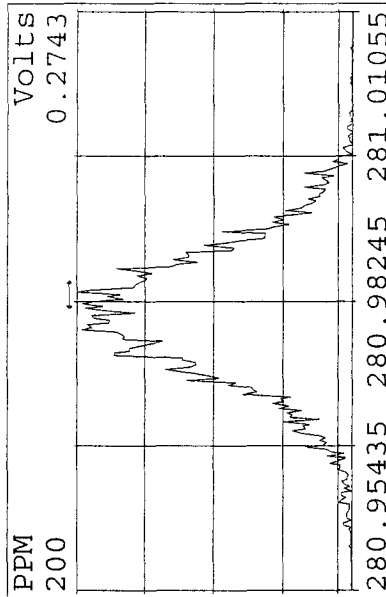
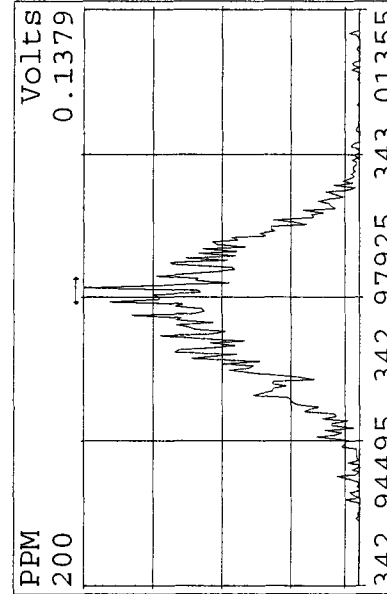
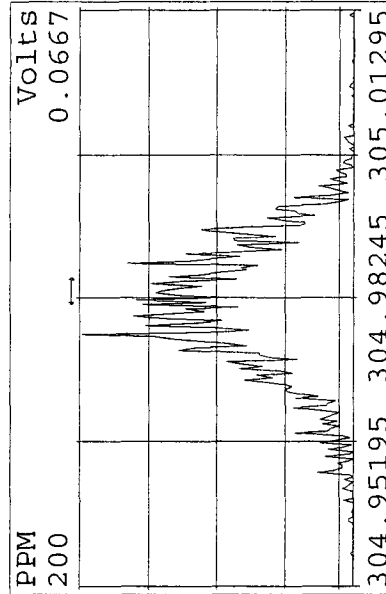
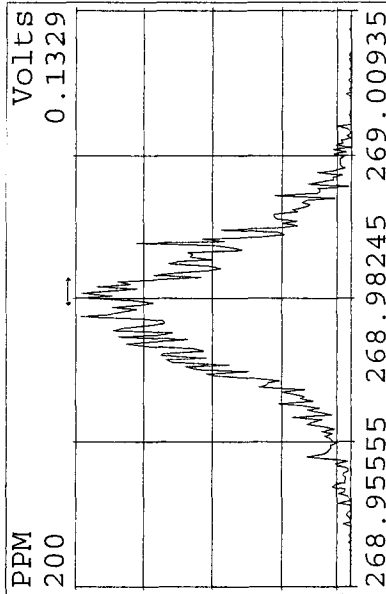
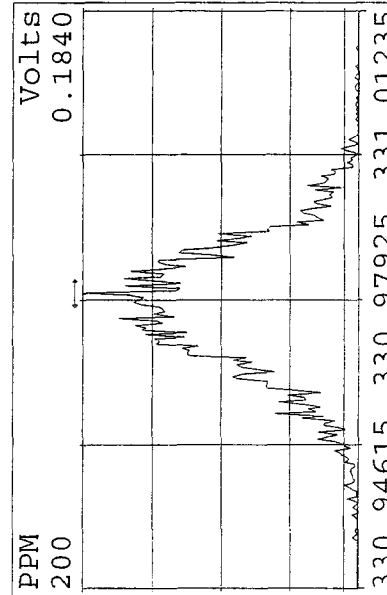
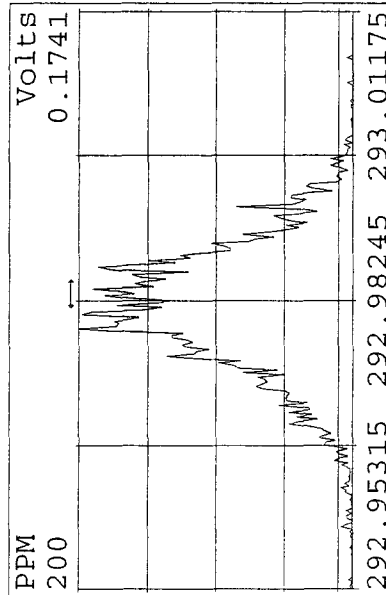
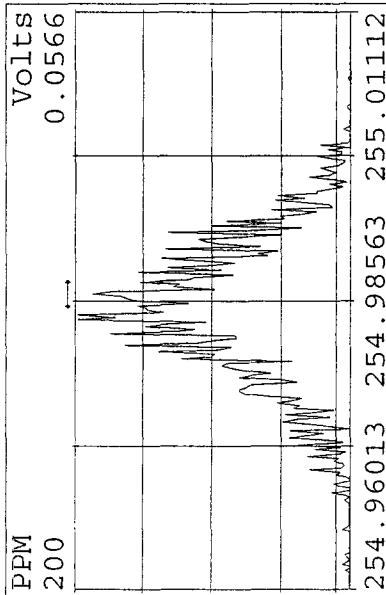
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 Experiment: 209DB5 Function: 5 Reference: PFK



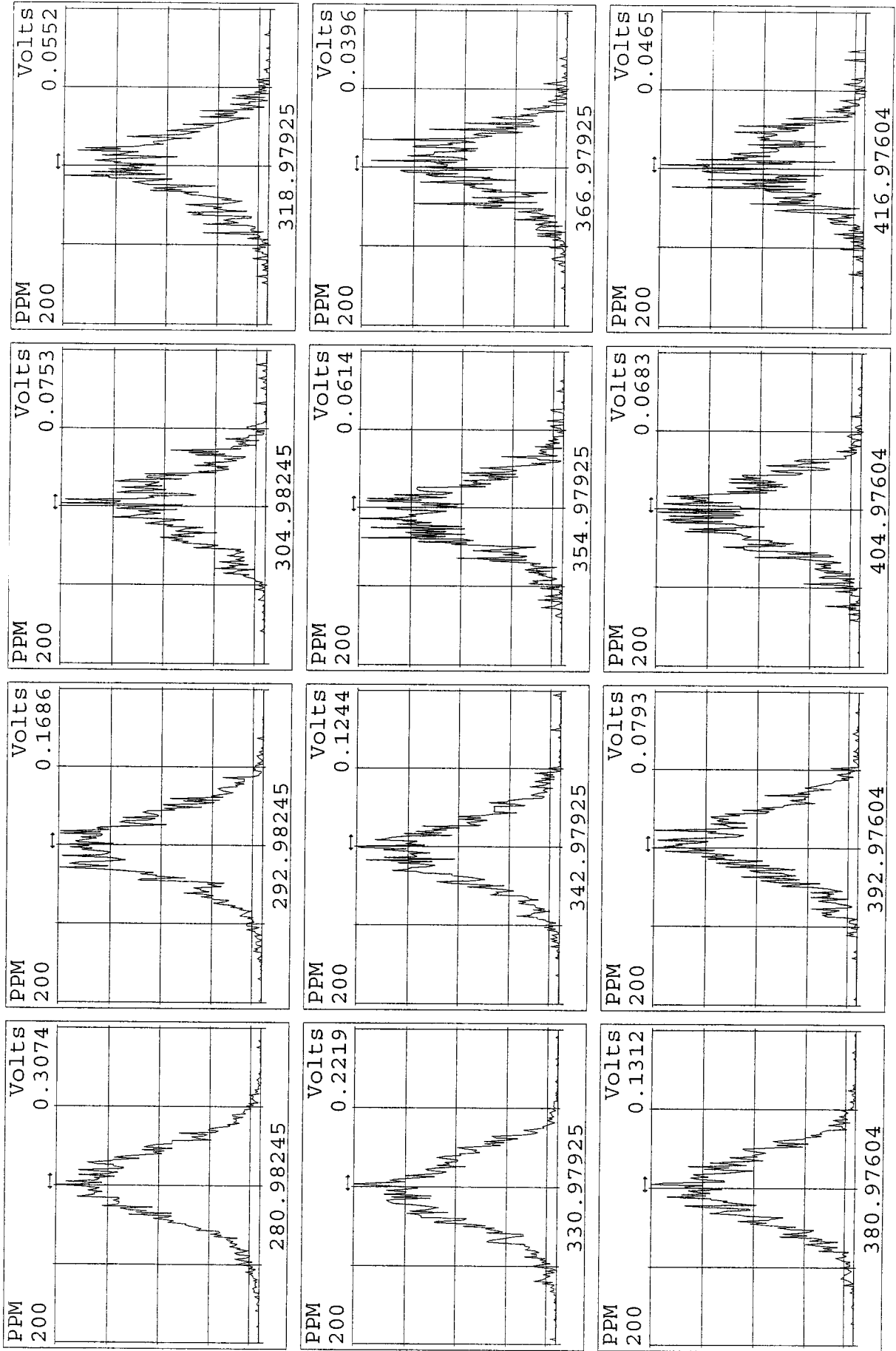
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 Experiment: 209DB5 Function: 1 Reference: PFK



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 Experiment:209DB5 Function:2 Reference:PFK

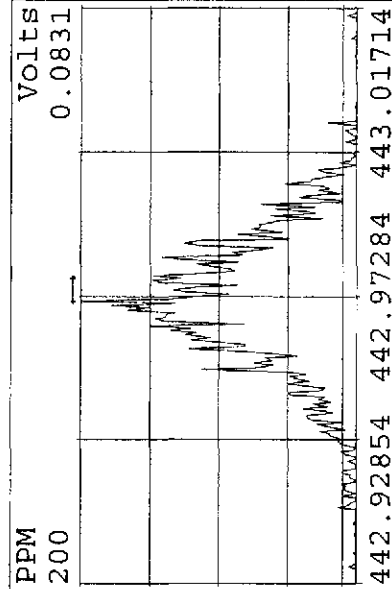
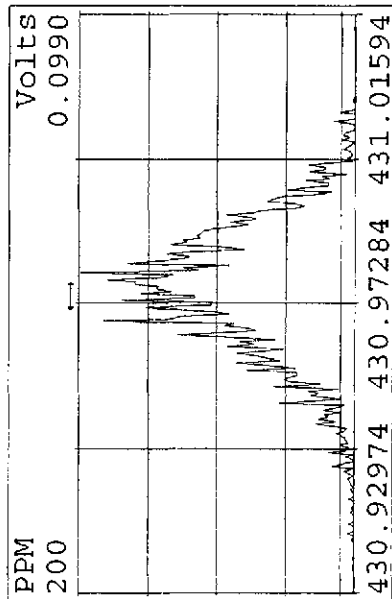
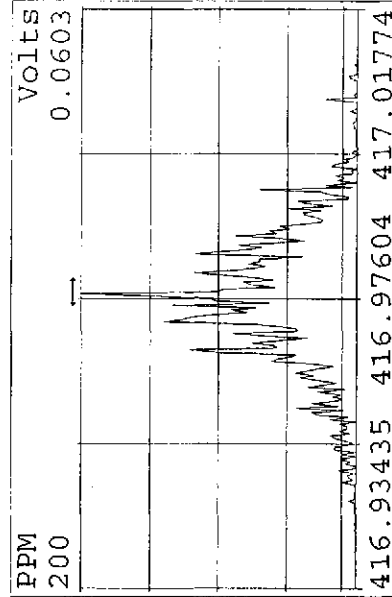
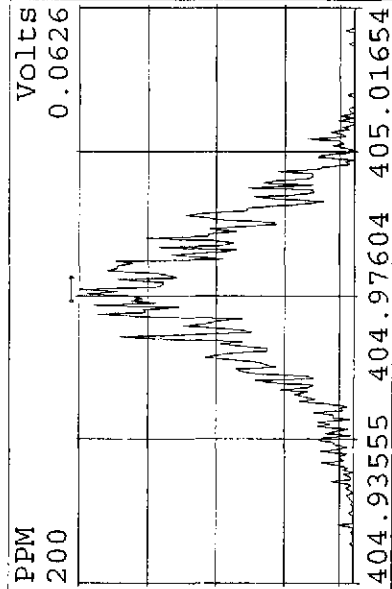
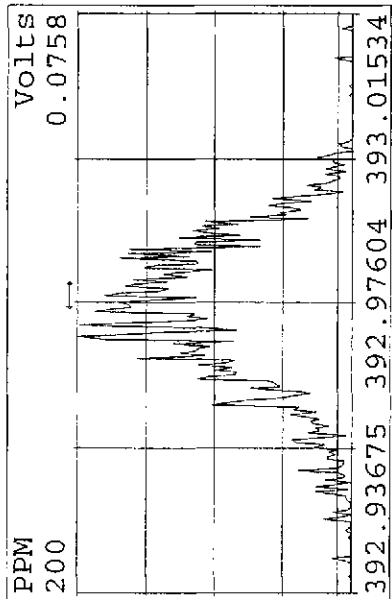
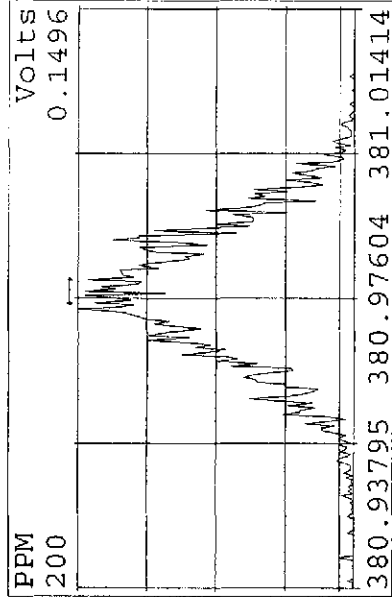
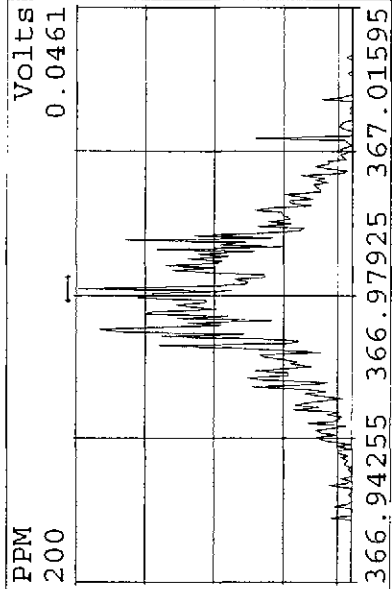
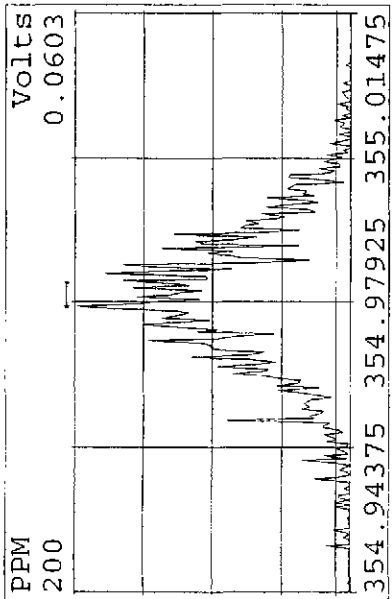


Peak Locate Examination:23-JUL-2009:14:56 File:22JL099D5ENDRES  
Experiment:209DB5 Function:3 Reference:PFK

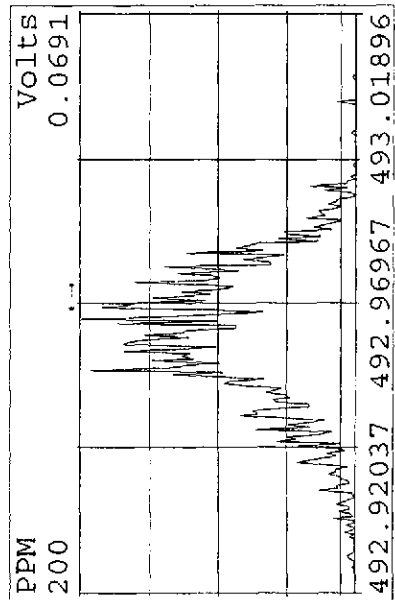
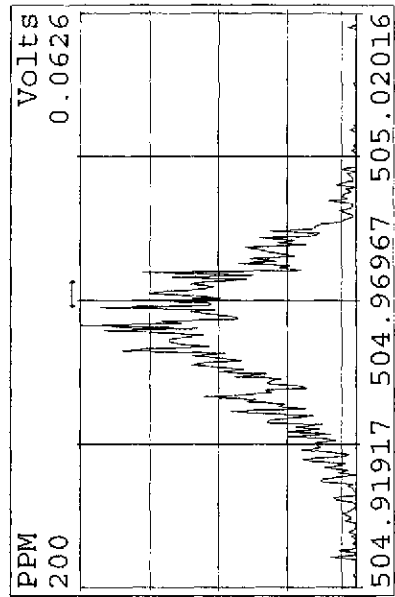
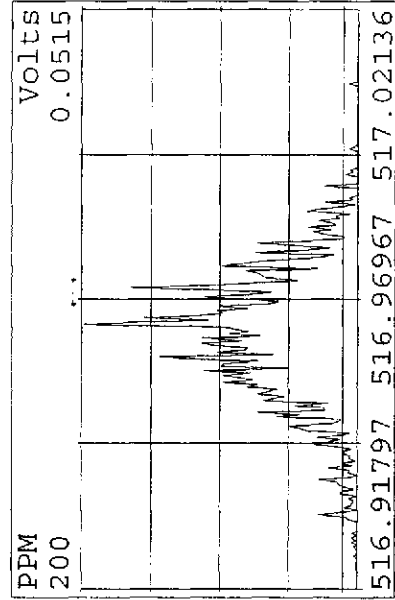
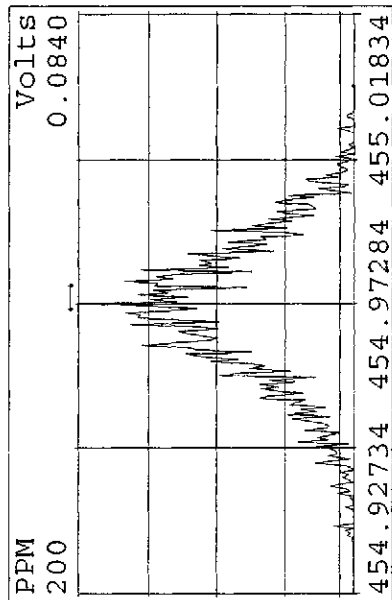
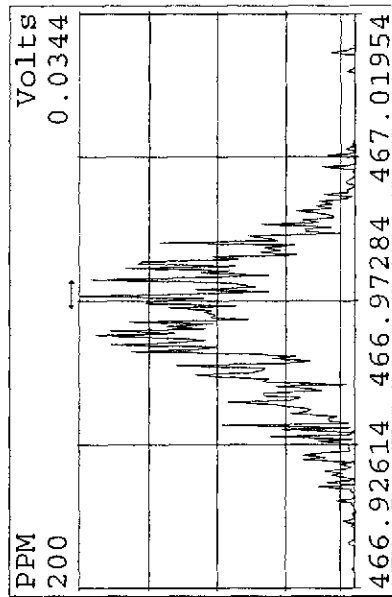
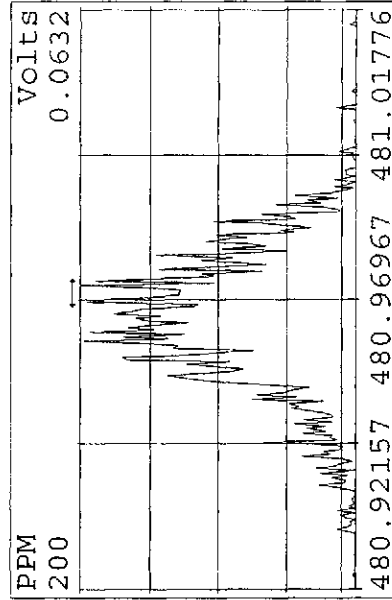
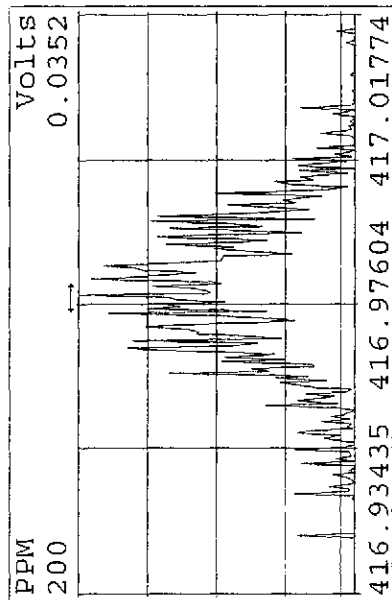
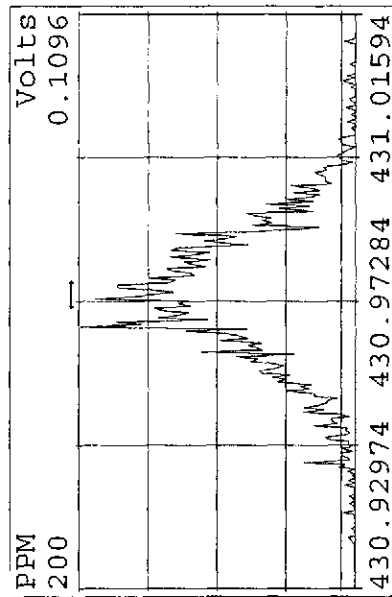
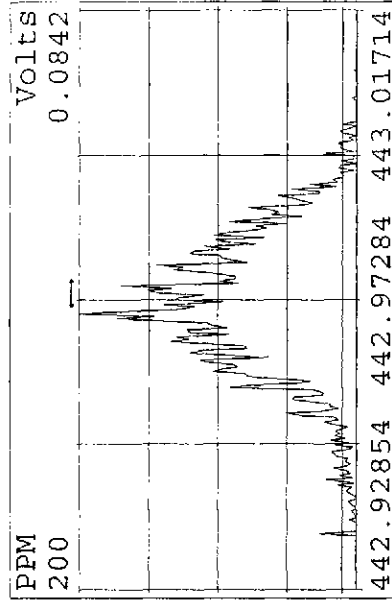




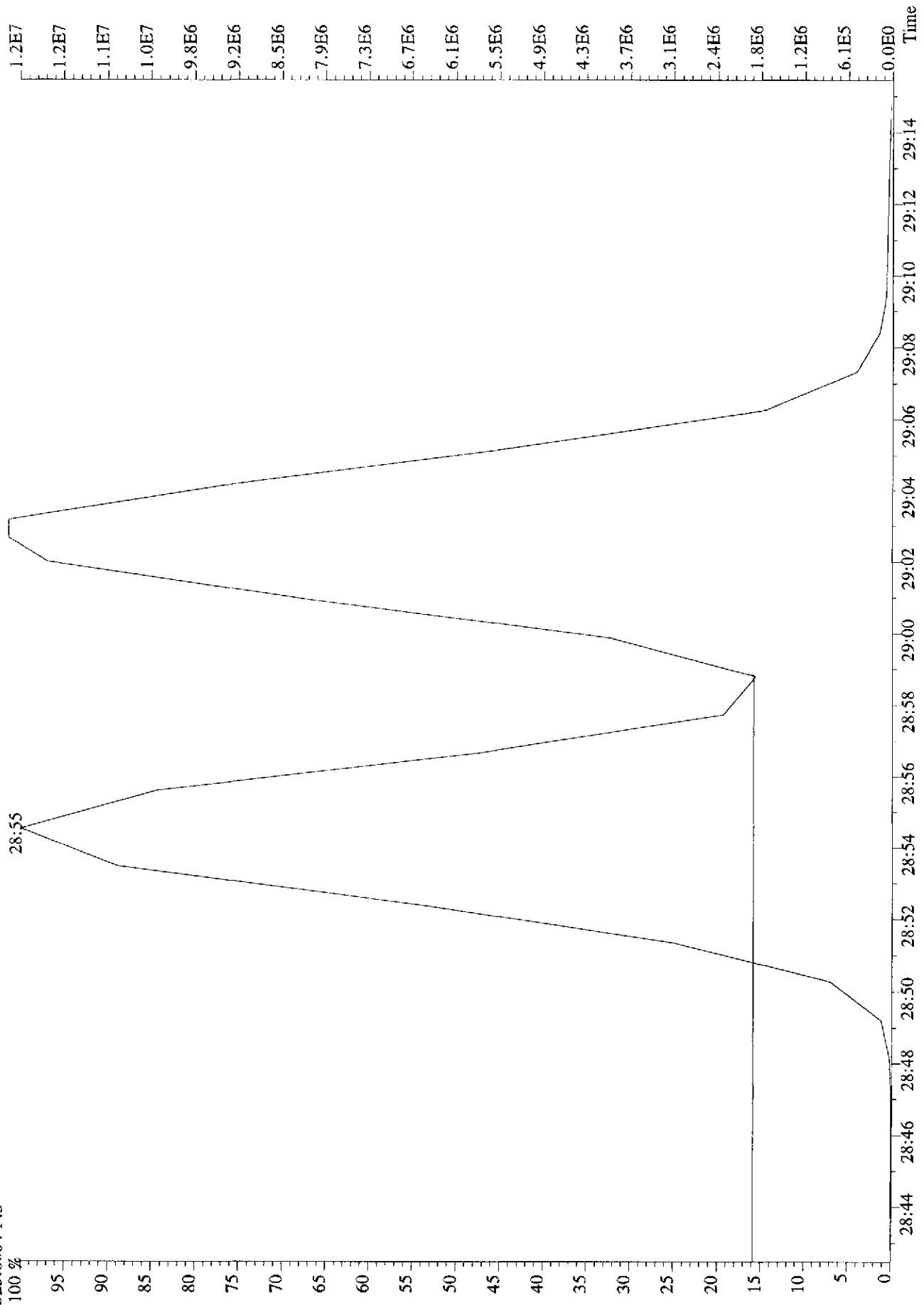
Peak Locate Examination:23-JUL-2009:14:56 File:22JL099D5ENDRES  
Experiment:209DB5 Function:4 Reference:PFK



Peak Locate Examination:23-JUL-2009:14:57 File:22JL099D5ENDRES  
Experiment:209DB5 Function:5 Reference:PFK



File: 22JL099D5 #1-597 Acq: 22-JUL-2009 13:25:07 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text: ST0722 ; CS3 09DXN207 Exp: 209DB5  
 325.8804 F: 3



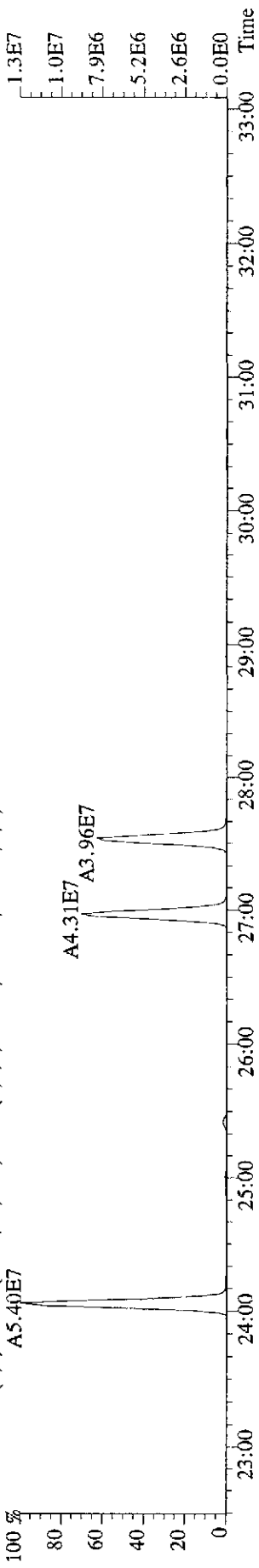
Run: 22JL099D5	Analyte: 1668MSL	Cal: 1668MSL0709099D5												
ST0709A :CS3 09DXN207	ST0709B :CS1 09DXN205	ST0709C :CS2 09DXN206												
ST0709D :CS4 09DXN208	ST0709E :CS5 09DXN209													
			09JL09E9D509JL09E9D509JL09E9D509JL09E9D509JL09E9D509JL09E9D5											
Name	Mean	S. D.	%RSD	S2	RRF1	S3	RRF2	S4	RRF3	S5	RRF4	S6	RRF5	
13C-PecB-101	-	-	- %	-	-	-	-	-	-	-	-	-	-	
13C-TCB-81	1.113	0.032	2.85 %	1.17	1.17	1.09	1.09	1.10	1.10	1.09	1.09	1.11	1.11	
TCB-81	1.327	0.063	4.71 %	1.37	1.37	1.22	1.22	1.31	1.31	1.37	1.37	1.37	1.37	
13C-TCB-77	1.162	0.038	3.26 %	1.22	1.22	1.12	1.12	1.15	1.15	1.15	1.15	1.16	1.16	
TCB-77	1.173	0.030	2.52 %	1.20	1.20	1.13	1.13	1.16	1.16	1.19	1.19	1.19	1.19	
13C-PecB-123	0.968	0.038	3.88 %	1.01	1.01	0.98	0.98	0.93	0.93	0.93	0.93	0.99	0.99	
PecB-123	1.653	0.041	2.50 %	1.69	1.69	1.59	1.59	1.65	1.65	1.68	1.68	1.65	1.65	
13C-PecB-118	1.005	0.036	3.63 %	1.05	1.05	0.98	0.98	1.01	1.01	1.03	1.03	0.96	0.96	
PecB-118/106	1.645	0.053	3.19 %	1.71	1.71	1.62	1.62	1.58	1.58	1.63	1.63	1.68	1.68	
13C-PecB-114	1.026	0.024	2.39 %	1.06	1.06	1.03	1.03	1.00	1.00	1.00	1.00	1.03	1.03	
PecB-114	1.726	0.049	2.81 %	1.79	1.79	1.66	1.66	1.71	1.71	1.72	1.72	1.75	1.75	
13C-PecB-105	0.970	0.017	1.73 %	1.00	1.00	0.97	0.97	0.96	0.96	0.97	0.97	0.96	0.96	
PecB-105/127	1.529	0.030	1.93 %	1.58	1.58	1.51	1.51	1.52	1.52	1.52	1.52	1.52	1.52	
13C-PecB-126	0.996	0.030	3.04 %	1.05	1.05	0.98	0.98	0.99	0.99	0.97	0.97	0.99	0.99	
PecB-126	1.271	0.016	1.28 %	1.29	1.29	1.25	1.25	1.26	1.26	1.29	1.29	1.27	1.27	
13C-OcCB-202	-	-	- %	-	-	-	-	-	-	-	-	-	-	
13C-HxCB-167	1.044	0.029	2.74 %	1.08	1.08	1.01	1.01	1.02	1.02	1.04	1.04	1.06	1.06	
HxCB-167	1.100	0.085	7.71 %	1.18	1.18	1.13	1.13	0.95	0.95	1.12	1.12	1.12	1.12	
13C-HxCB-156	0.839	0.030	3.57 %	0.89	0.89	0.81	0.81	0.83	0.83	0.82	0.82	0.85	0.85	
HxCB-156	1.504	0.031	2.05 %	1.54	1.54	1.47	1.47	1.48	1.48	1.53	1.53	1.51	1.51	
13C-HxCB-157	0.881	0.028	3.23 %	0.93	0.93	0.86	0.86	0.88	0.88	0.86	0.86	0.88	0.88	
HxCB-157	1.495	0.027	1.80 %	1.52	1.52	1.47	1.47	1.46	1.46	1.52	1.52	1.51	1.51	
13C-HxCB-169	0.918	0.036	3.91 %	0.98	0.98	0.89	0.89	0.91	0.91	0.91	0.91	0.91	0.91	
HxCB-169	0.988	0.023	2.36 %	1.01	1.01	0.97	0.97	0.96	0.96	0.99	0.99	1.01	1.01	
13C-HpCB-180	0.744	0.015	2.00 %	0.77	0.77	0.74	0.74	0.74	0.74	0.74	0.74	0.73	0.73	
HpCB-180	1.317	0.051	3.90 %	1.33	1.33	1.40	1.40	1.27	1.27	1.28	1.28	1.30	1.30	
13C-HpCB-170	0.611	0.015	2.47 %	0.64	0.64	0.60	0.60	0.61	0.61	0.59	0.59	0.61	0.61	
HpCB-170/190	1.627	0.012	0.762 %	1.63	1.63	1.64	1.64	1.62	1.62	1.63	1.63	1.61	1.61	

13C-HpCB-189	0.762	0.022	2.85 %	0.80	0.76	0.75	0.76	0.74
HpCB-189	1.222	0.029	2.39 %	1.24	1.17	1.23	1.23	1.24
13C-PeCB-111	1.321	0.043	3.22 %	1.32	1.36	1.35	1.32	1.25

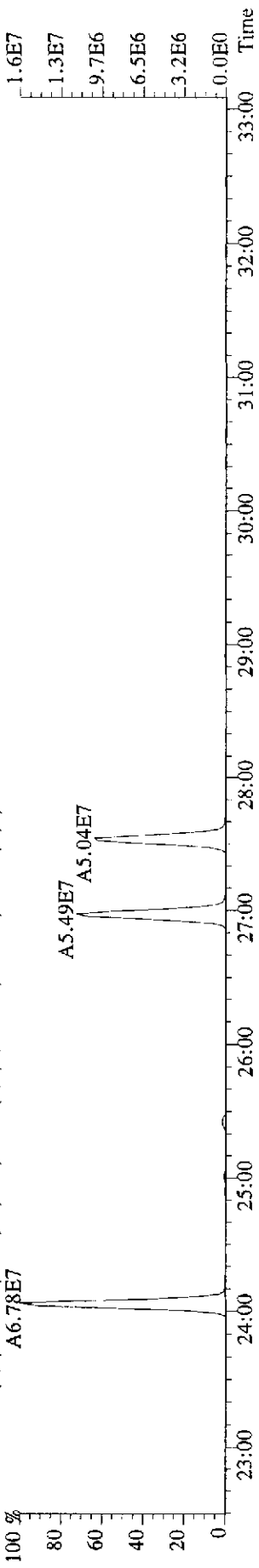
File:22JL099D5 #1-597 Acq:22-JUL-2009 13:25:07 GC EI+ Voltage SIR Autospec-UltimaE

Sample#1 Text:ST0722 :CS3 09DXN207 Exp:209DB5

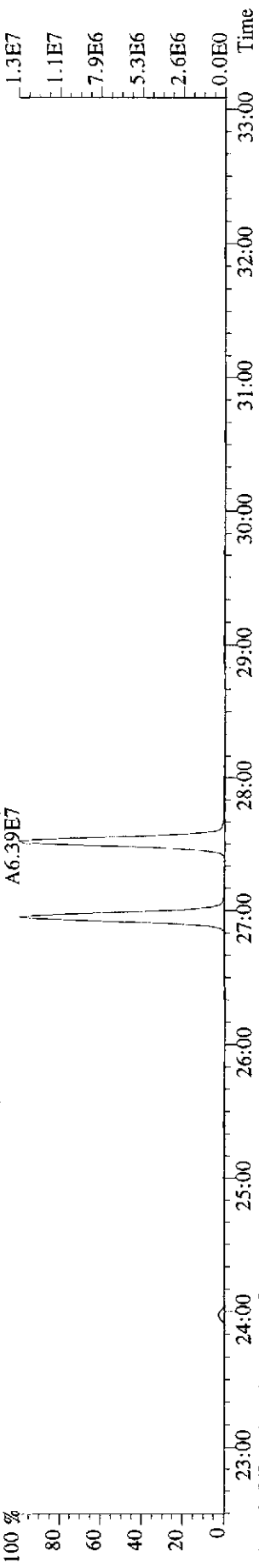
289.9224 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2308.0,0.00%,F,T)



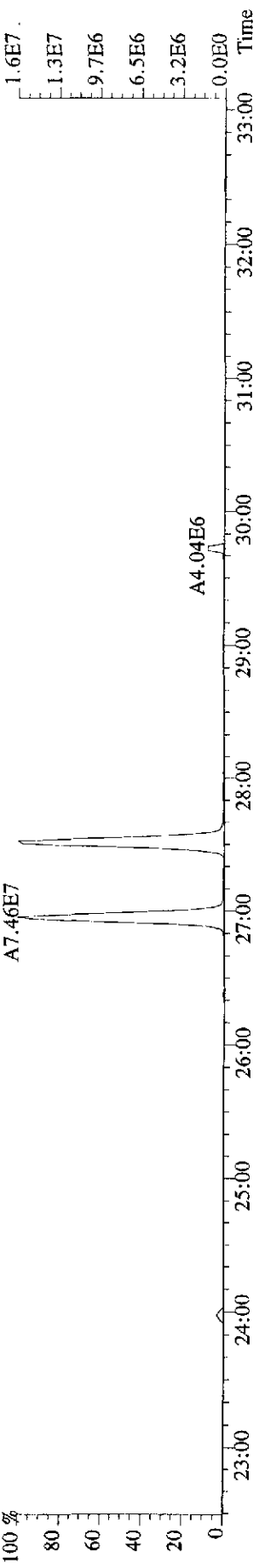
291.9194 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2484.0,0.00%,F,T)



301.9626 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2804.0,0.00%,F,T)

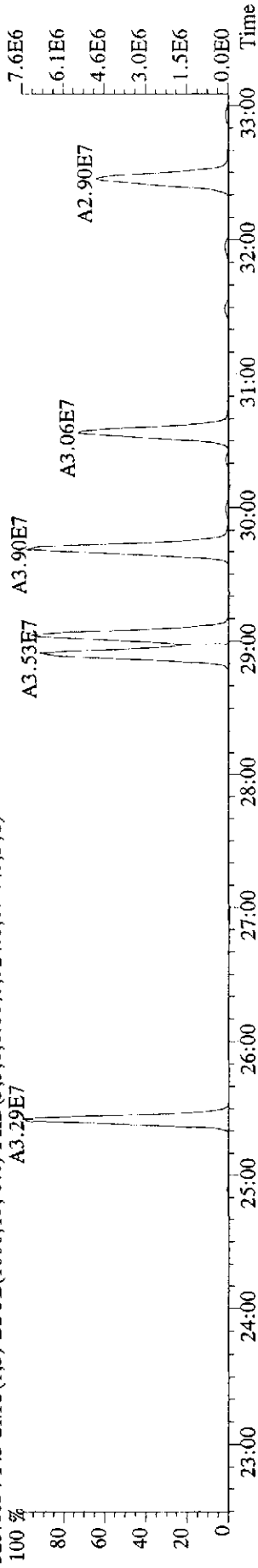


303.9597 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2408.0,0.00%,F,T)

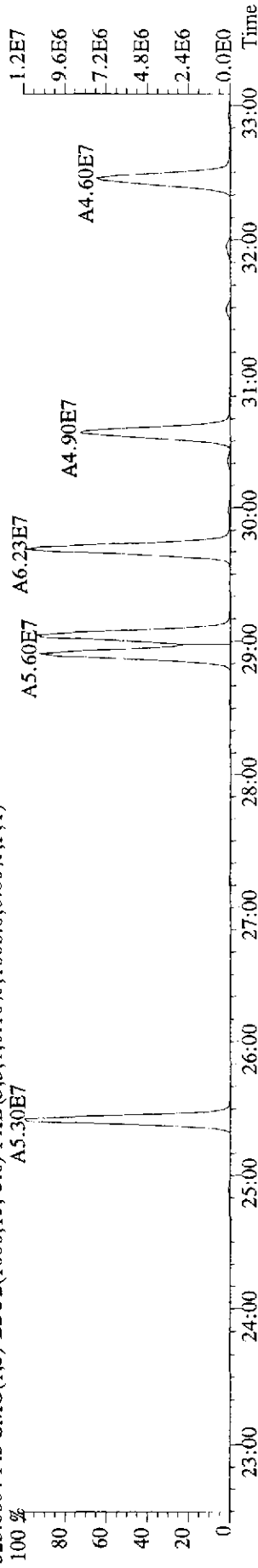


File:22JL099D5 #1-597 Acq:22-JUL-2009 13:25:07 GC EI+ Voltage SIR Autospec-UltimaE

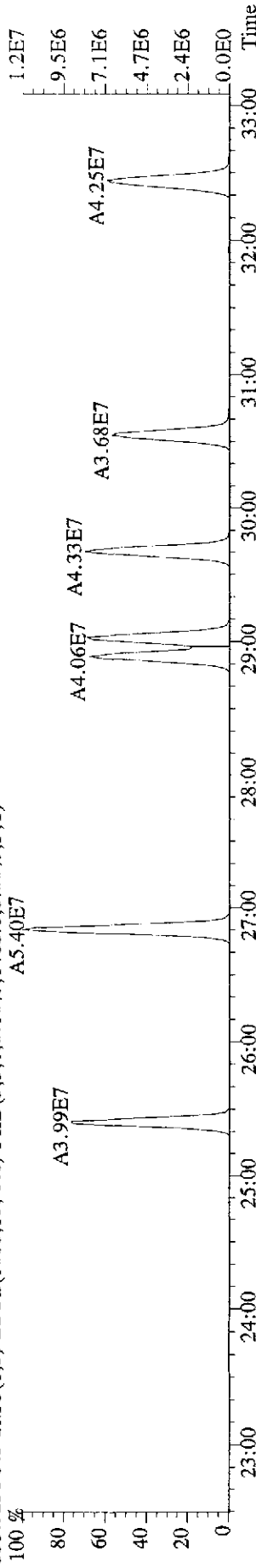
Sample#1 Text:ST0722 :CS3 09DXN207 Exp:209DB5  
323.8834 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,924.0,0.00%,F,T)



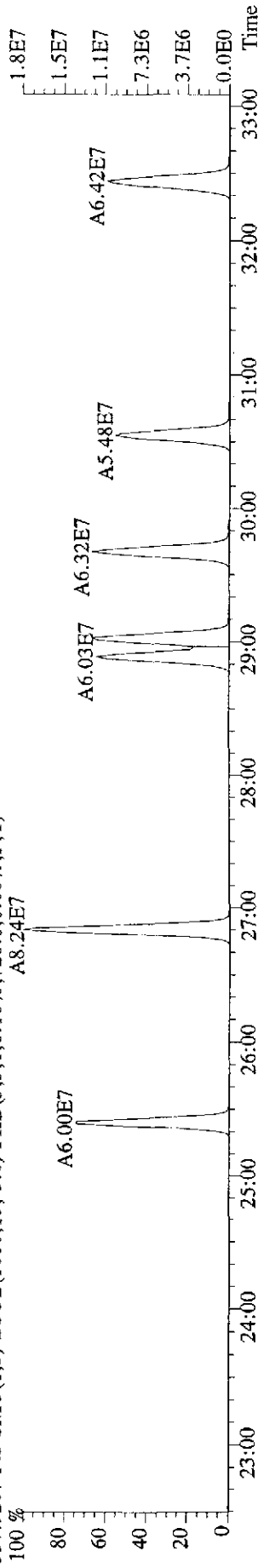
325.8804 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1008.0,0.00%,F,T)



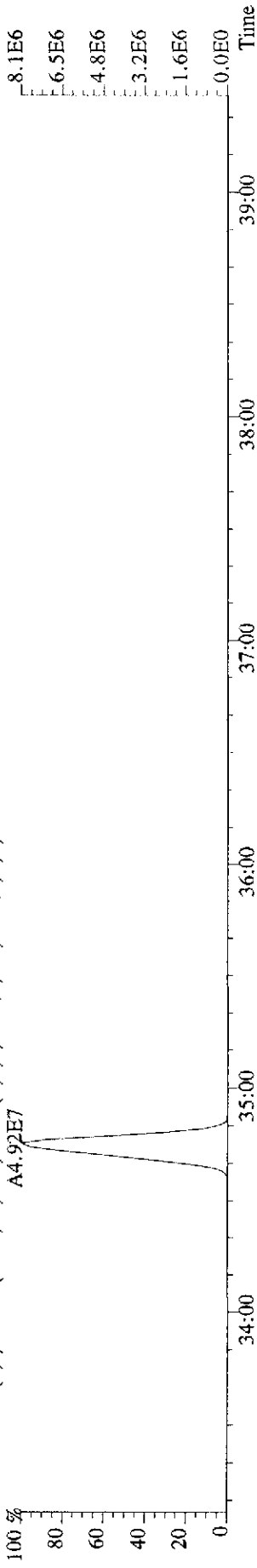
335.9236 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1468.0,0.00%,F,T)



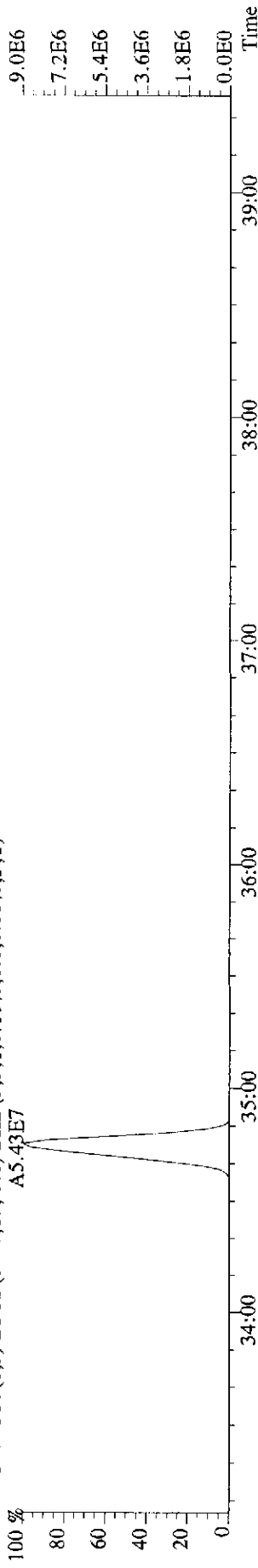
337.9207 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,728.0,0.00%,F,T)



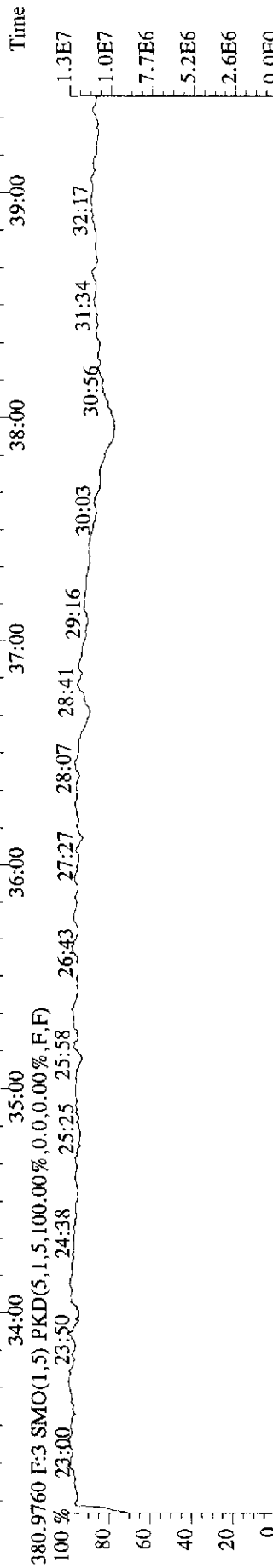
File:22JL099D5 #1-386 Acq:22-JUL-2009 13:25:07 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0722 :CS3 09DXN207 Exp:209DB5  
 439.8038 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,8.0,0.00%,F,T)  
 A4:92E7



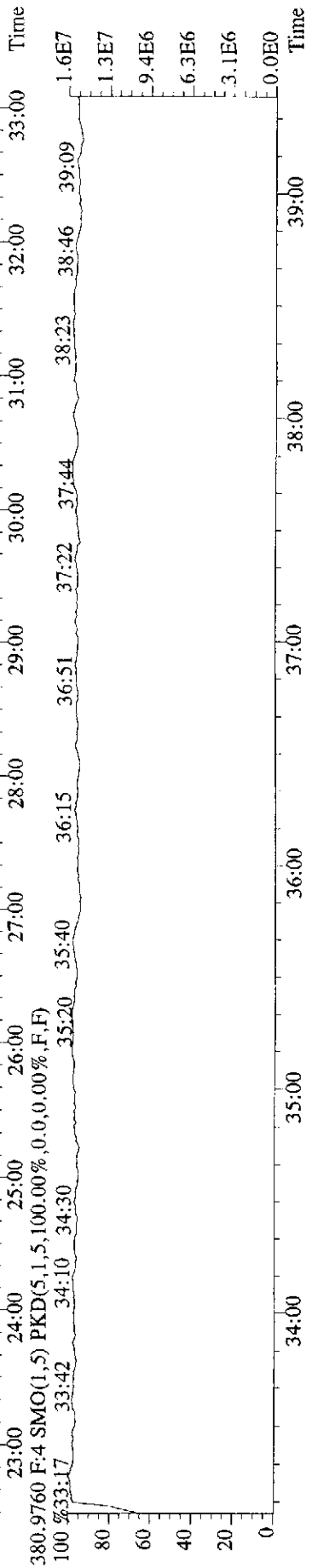
441.8008 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,8.0,0.00%,F,T)  
 A5:43E7



380.9760 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0.00%,F,F)

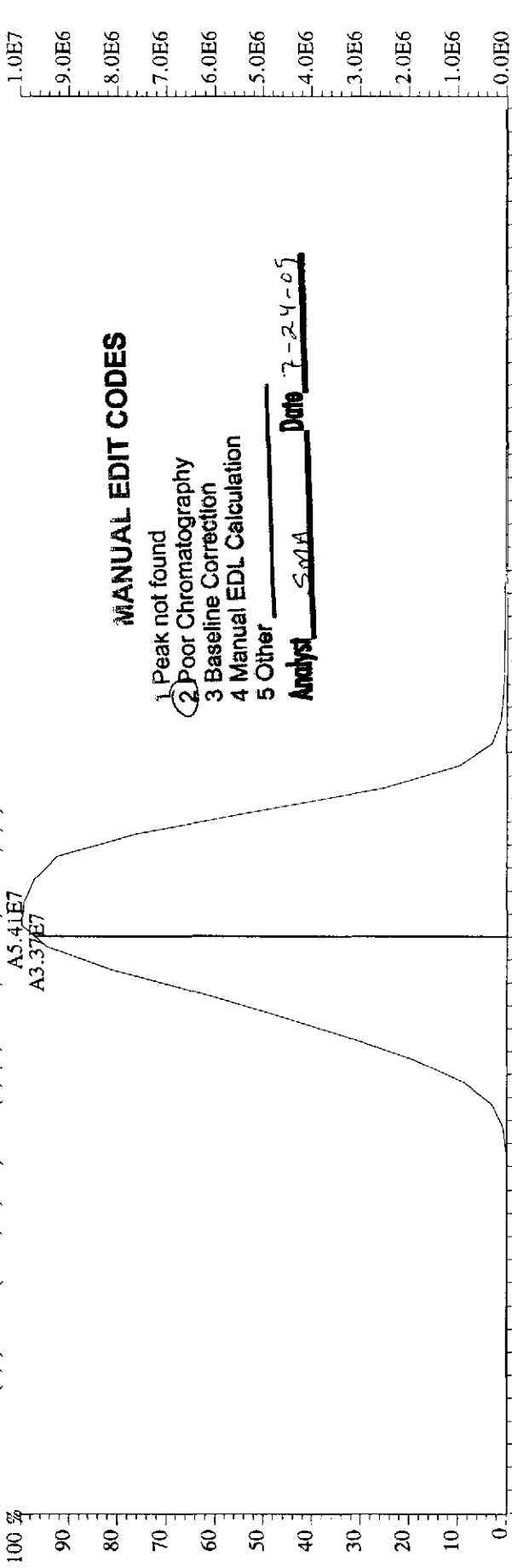


380.9760 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0.00%,F,F)



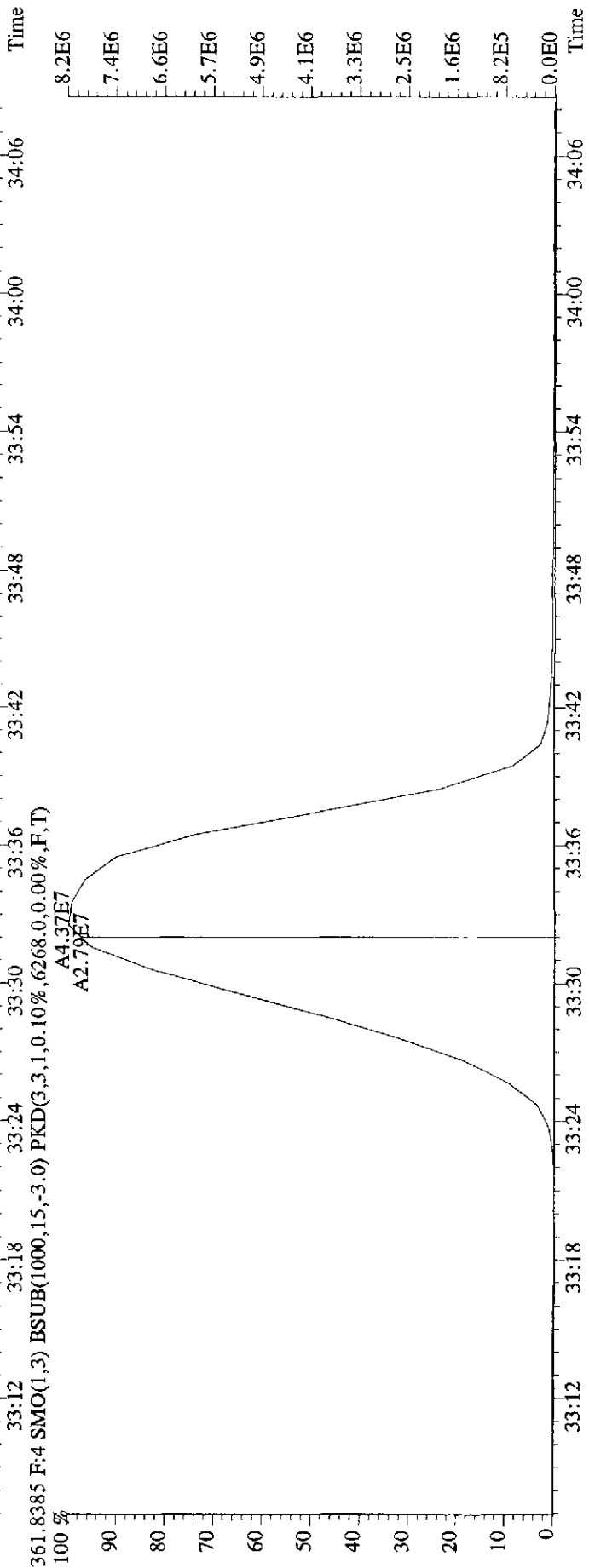


File: 22JL099D5 #1-386 Acq: 22-JUL-2009 13:25:07 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text: ST0722 : CS3 09DXN207 Exp: 209DB5  
 359.8415 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7064.0,0.00%,F,T)



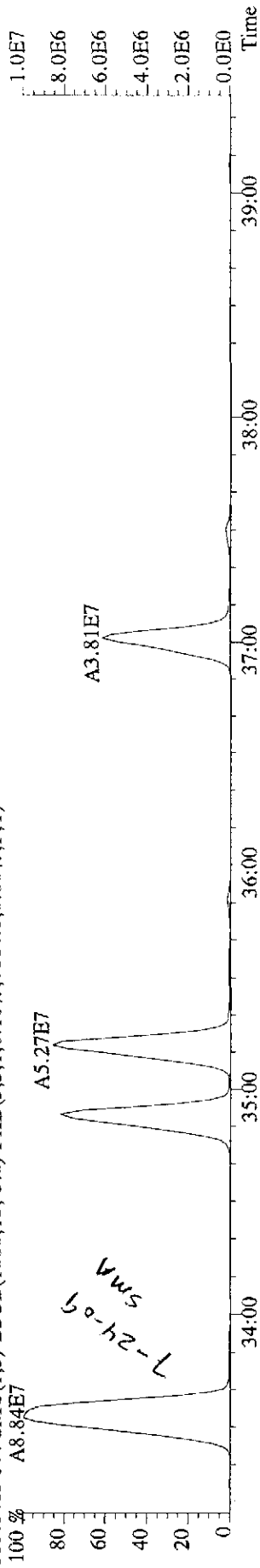
**MANUAL EDIT CODES**

- 1 Peak not found
  - 2 Poor Chromatography
  - 3 Baseline Correction
  - 4 Manual EDL Calculation
  - 5 Other
- Analyst S.M.A Date 7-24-05

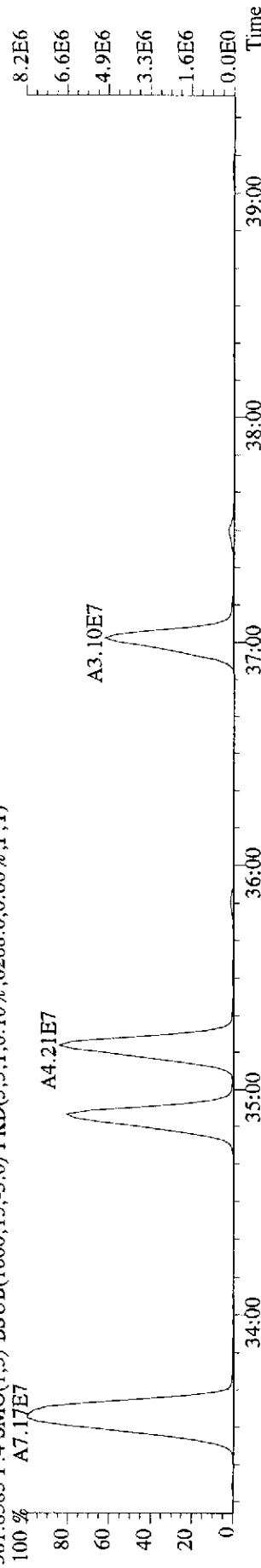


File:22JL099D5 #1-386 Aeq:22-JUL-2009 13:25:07 GC EI+ Voltage SIR Autospec-UltimaE

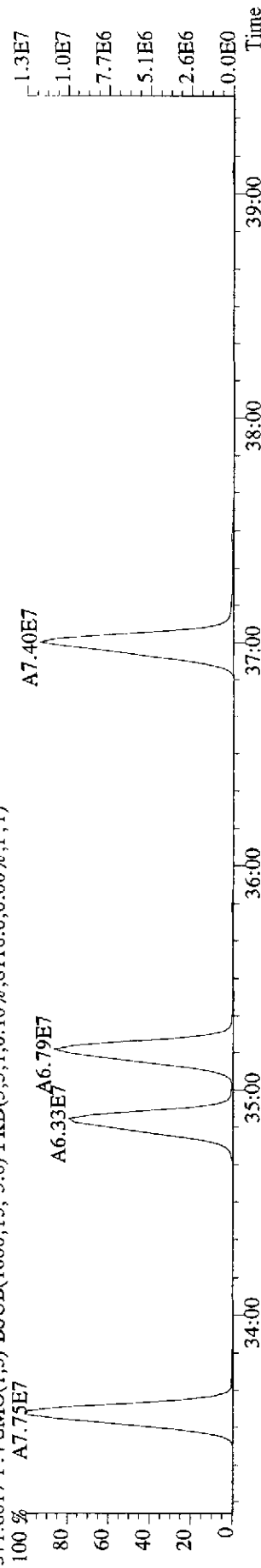
Sample#1 Text:ST0722 :CS3 09DXN207 Exp:209DB5  
359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7064.0,0.00%,F,T)



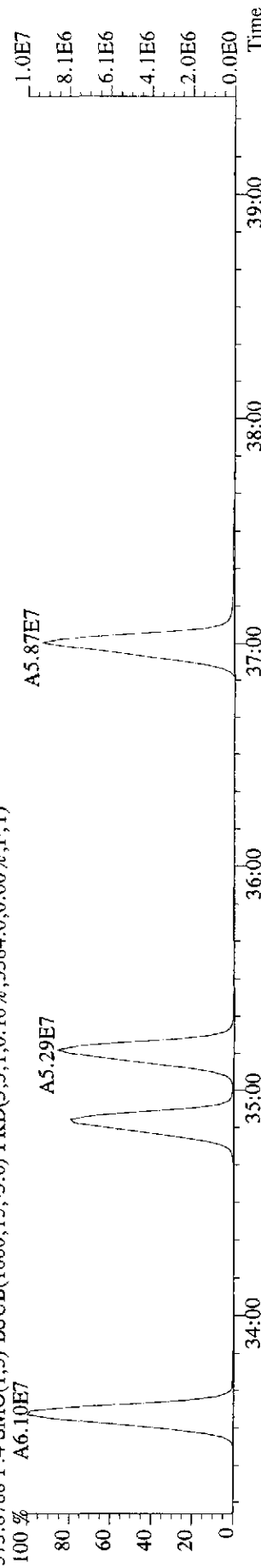
361.8385 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6268.0,0.00%,F,T)



371.8817 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8116.0,0.00%,F,T)

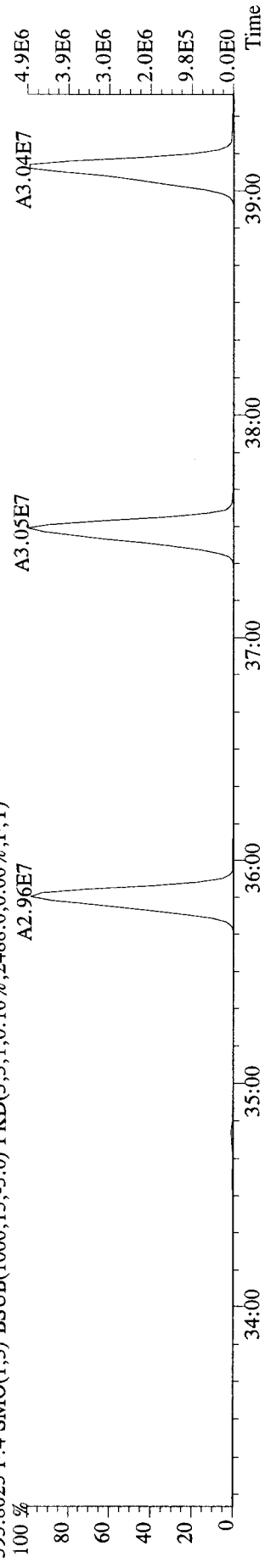


373.8788 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5384.0,0.00%,F,T)

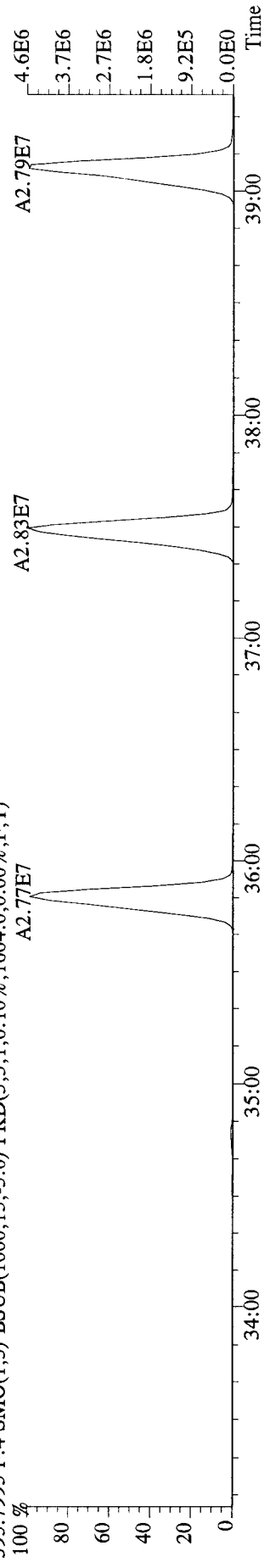


File: 22JL099D5 #1-386 Acq: 22-JUL-2009 13:25:07 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text: ST0722 :CS3 09DXN207 Exp: 209DB5

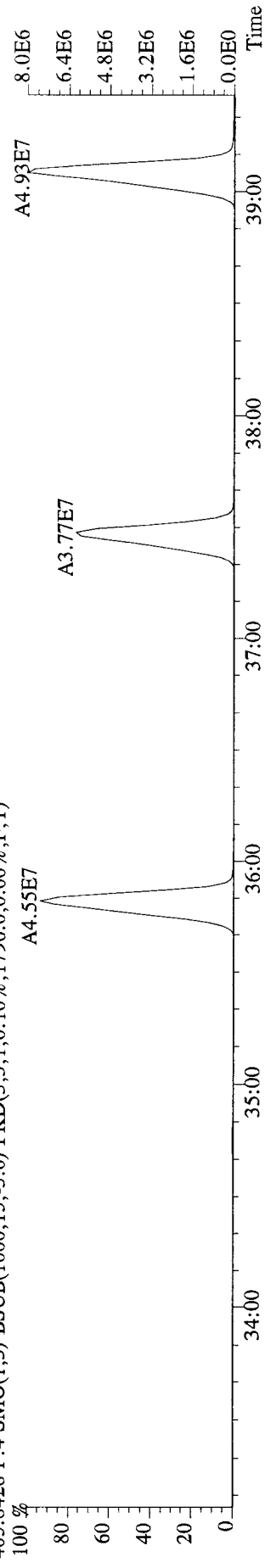
393.8025 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2488.0,0.00%,F,T)



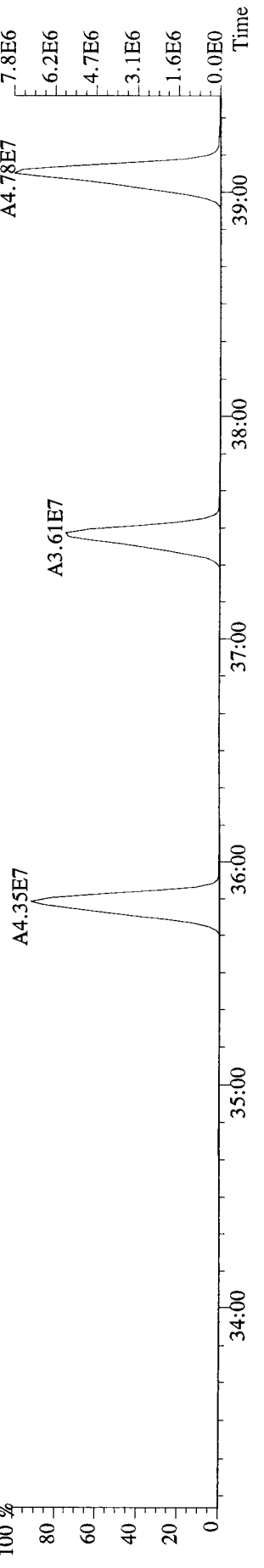
395.7995 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1604.0,0.00%,F,T)



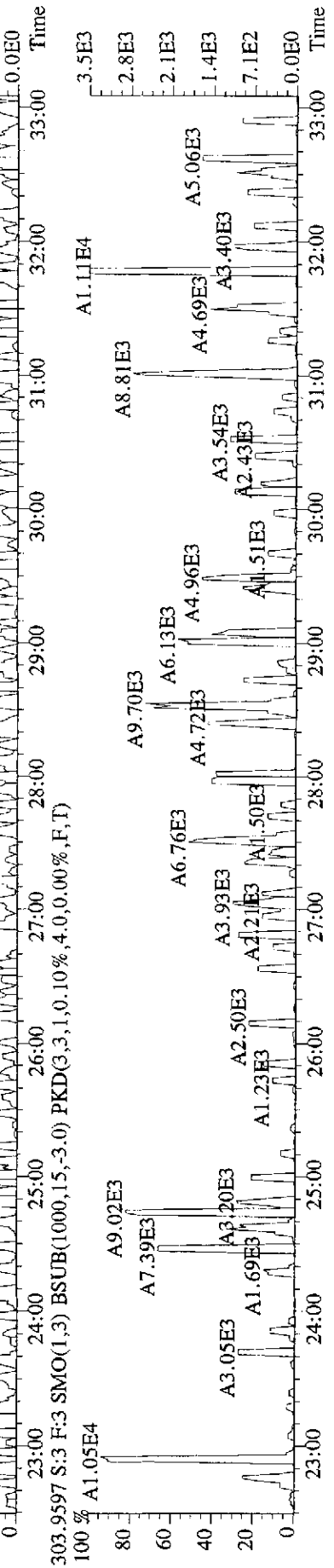
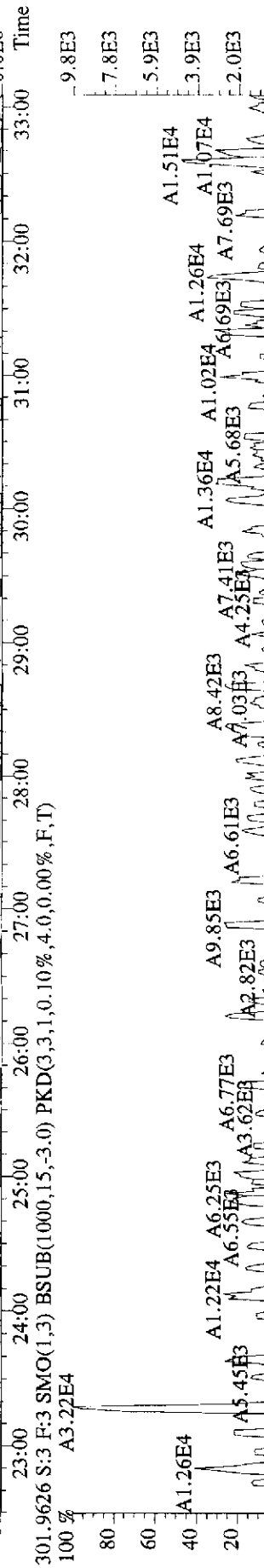
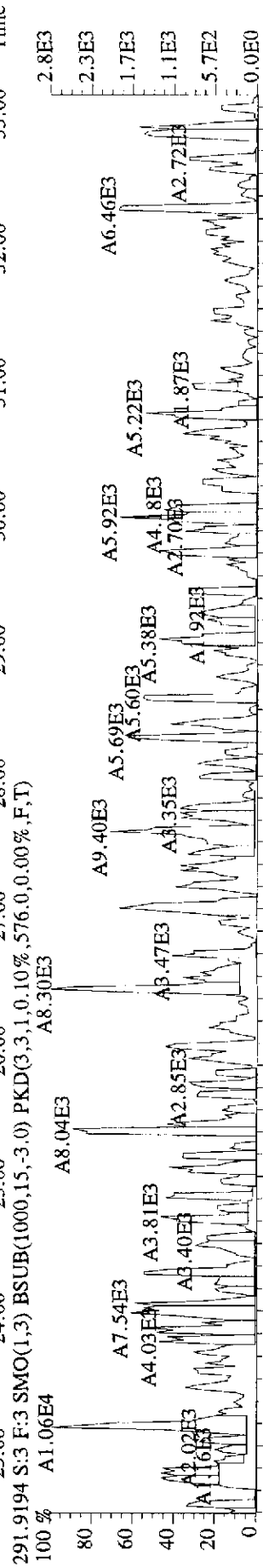
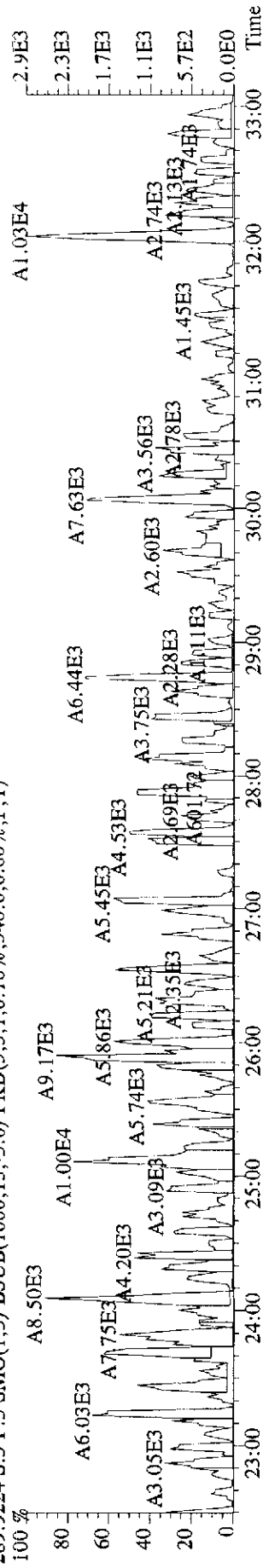
405.8428 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1796.0,0.00%,F,T)



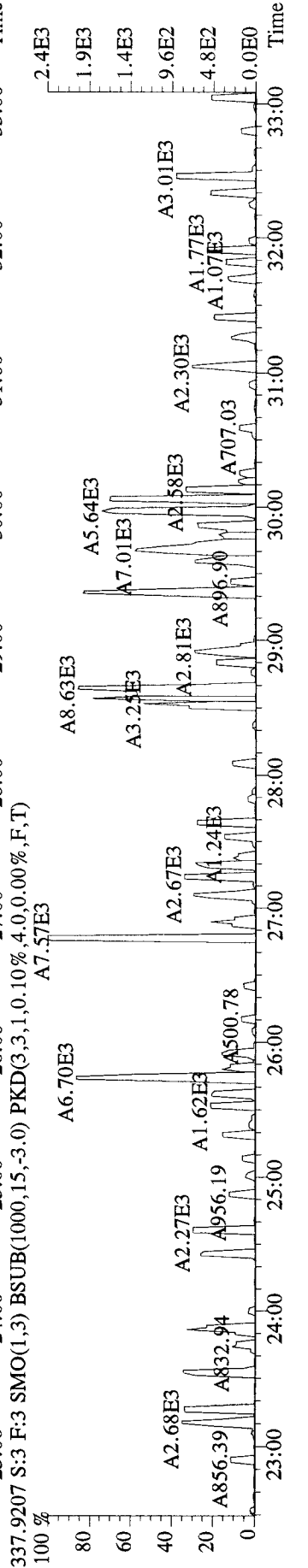
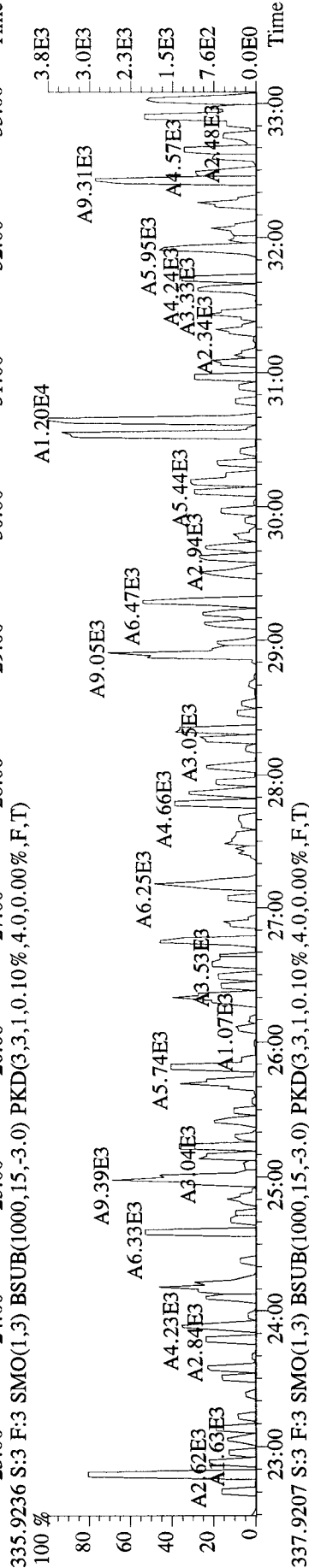
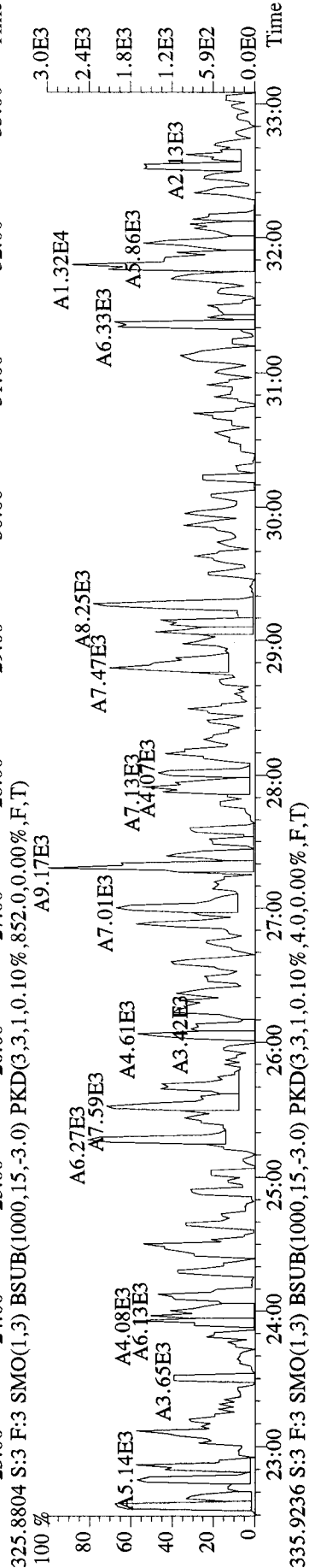
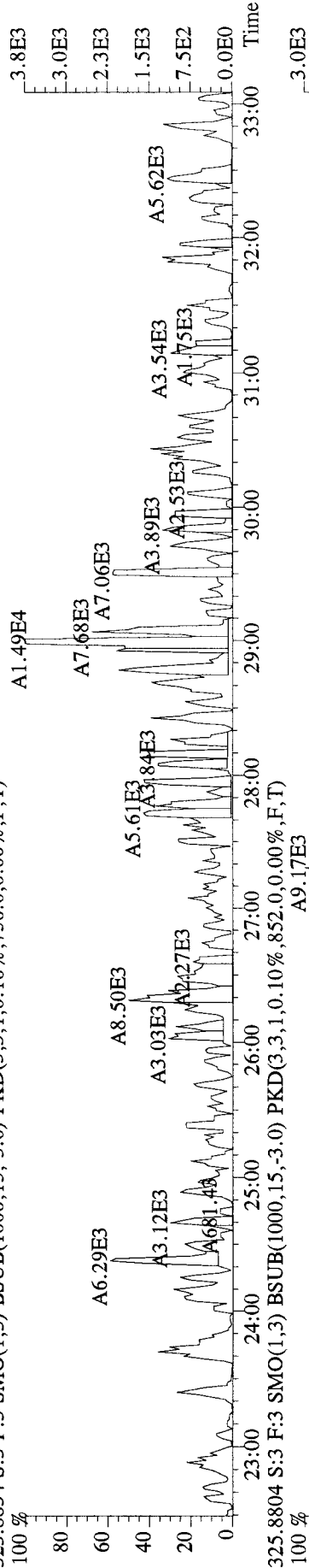
407.8398 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1384.0,0.00%,F,T)



File: 22JL099D5 #1-597 Acq: 22-JUL-2009 16:32:47 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text: SB0723 : Solvent Blank C-12 Exp: 209DB5  
 289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,340.0,0.00%,F,T)



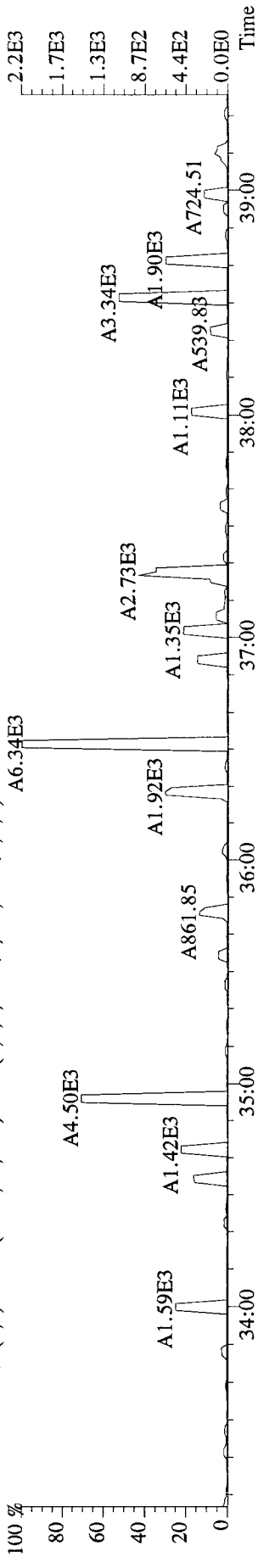
File:22JL099D5 #1-597 Acq:22-JUL-2009 16:32:47 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:SB0723 :Solvent Blank C-12 Exp:209DB5  
 323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,756.0,0.00%,F,T)



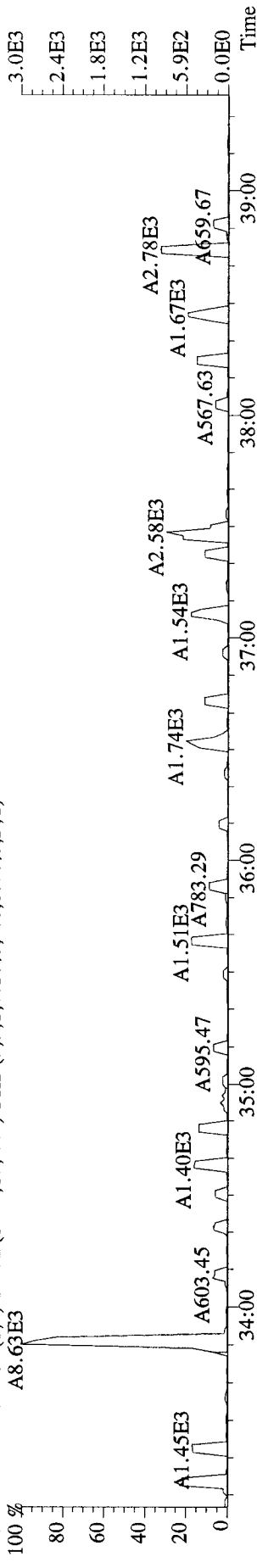
File:22JL099D5 #1-386 Acq:22-JUL-2009 16:32:47 GC EI+ Voltage SIR Autospec-UltimaE

Sample#3 Text:SB0723 :Solvent Blank C-12 Exp:209DB5

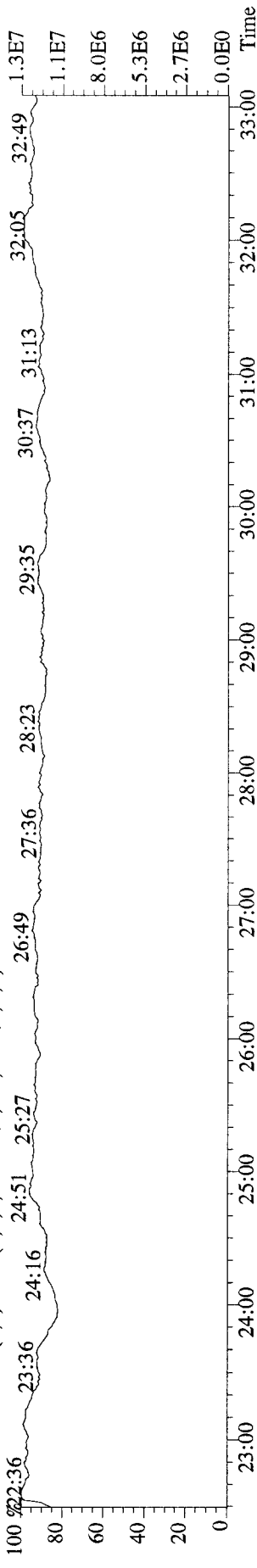
439.8038 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8.0,0.00%,F,T)



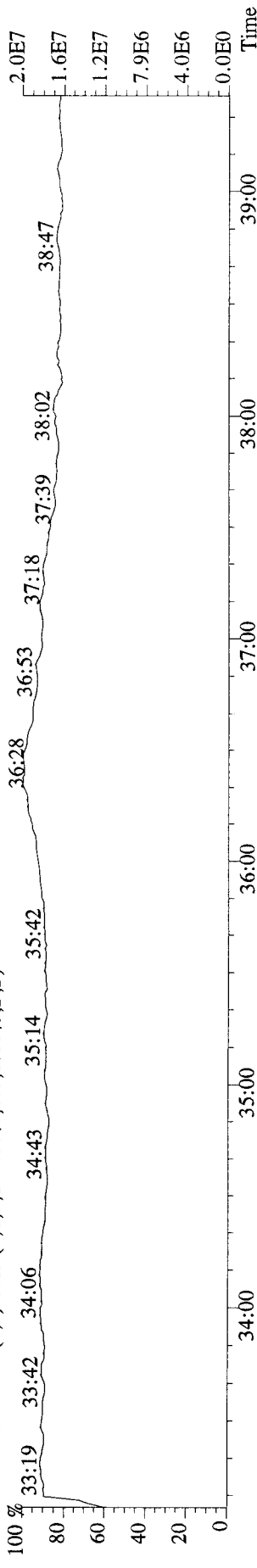
441.8008 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8.0,0.00%,F,T)



380.9760 S:3 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

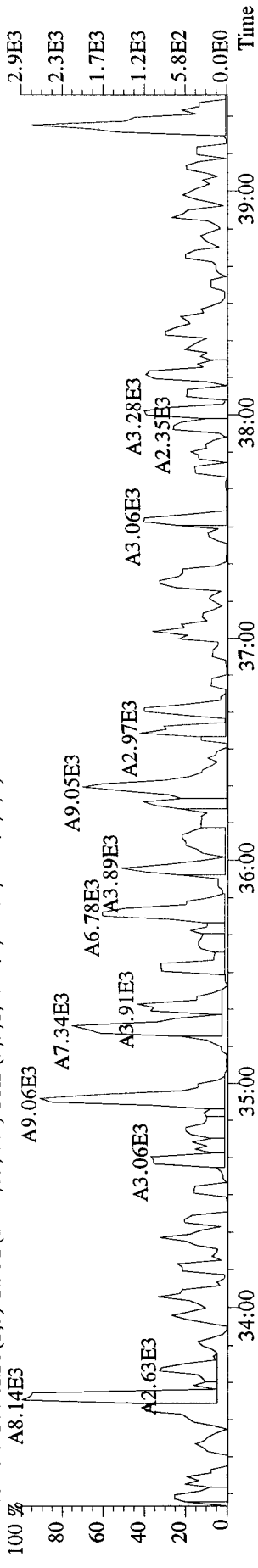


380.9760 S:3 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

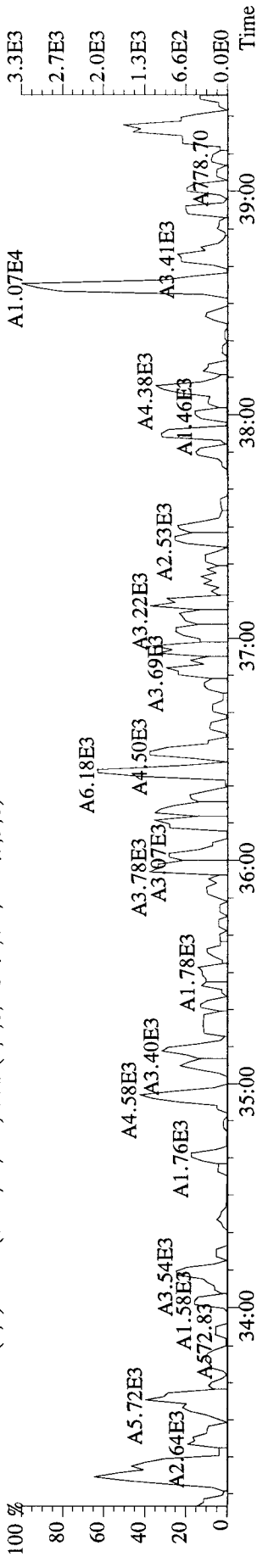


File:22JL099D5 #1-386 Acq:22-JUL-2009 16:32:47 GC EI+ Voltage SIR Autospec-UltimaE

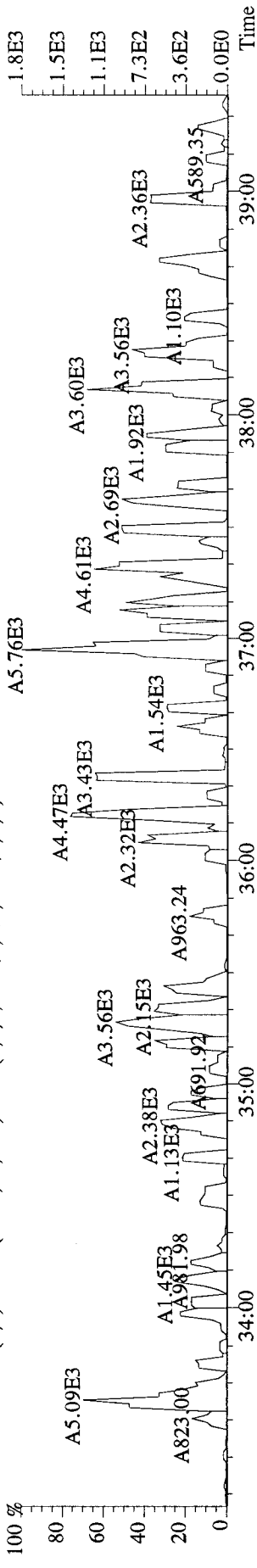
Sample#3 Text:SB0723 :Solvent Blank C-12 Exp:209DB5  
359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,700.0,0.00%,F,T)



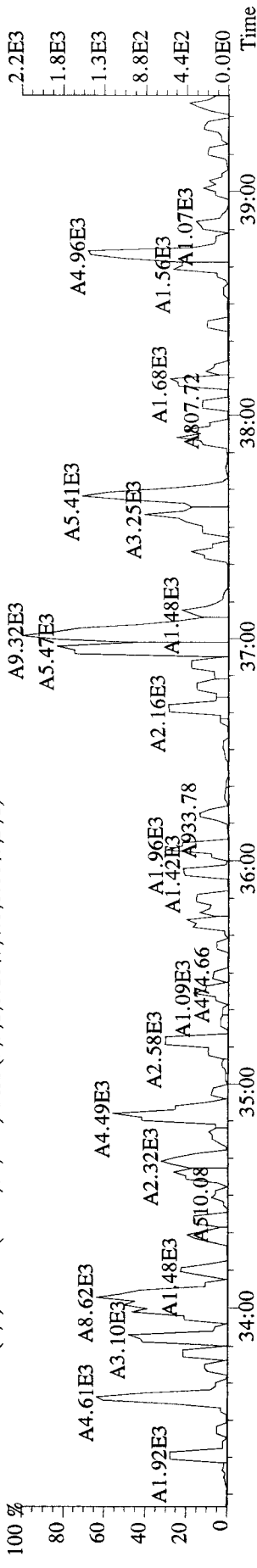
361.8385 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4,0,0.00%,F,T)



371.8817 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4,0,0.00%,F,T)

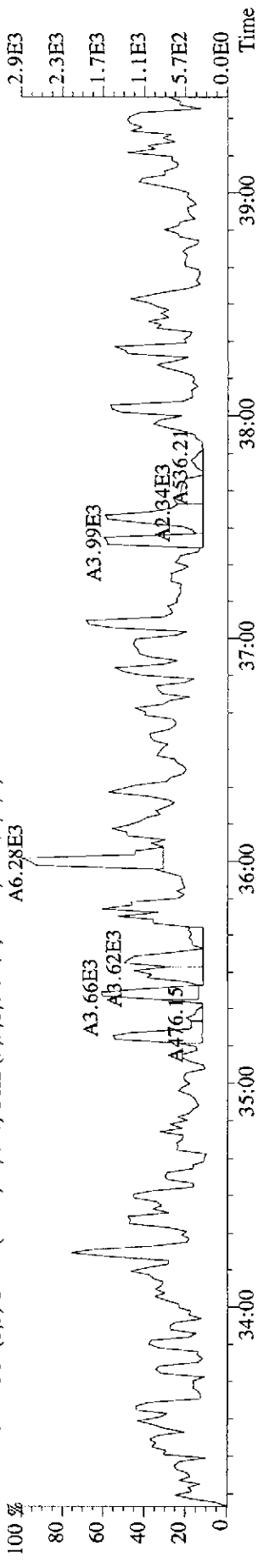


373.8788 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4,0,0.00%,F,T)

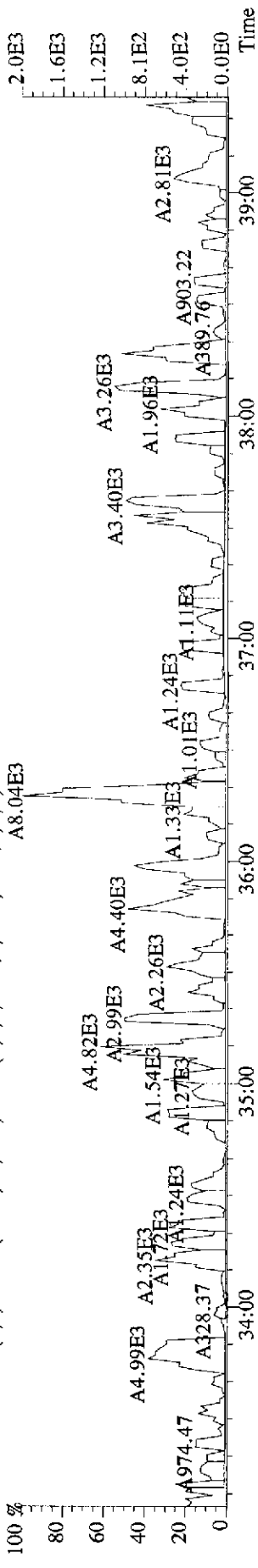


File: 22JL099D5 #1-386 Acq: 22-JUL-2009 16:32:47 GC EI + Voltage SIR Autospec-UltimaE

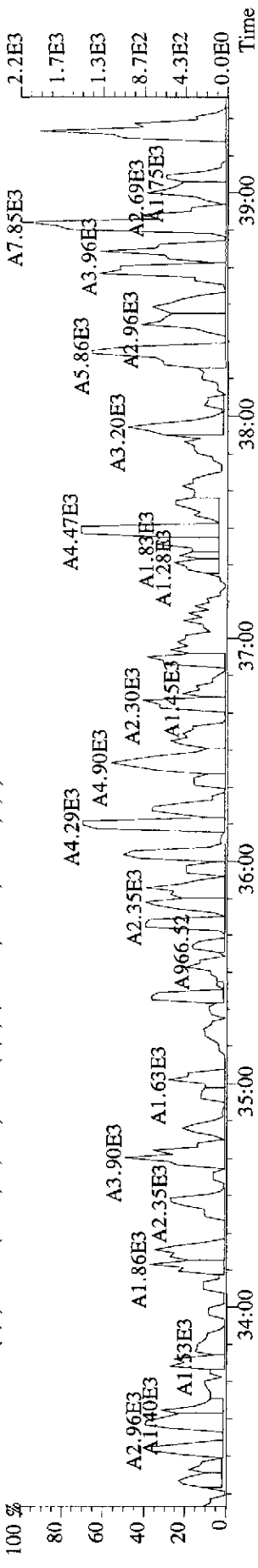
Sample#3 Text: SB0723 :Solvent Blank C-12 Exp: 209DB5  
393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,908.0,0.00%,F,T)



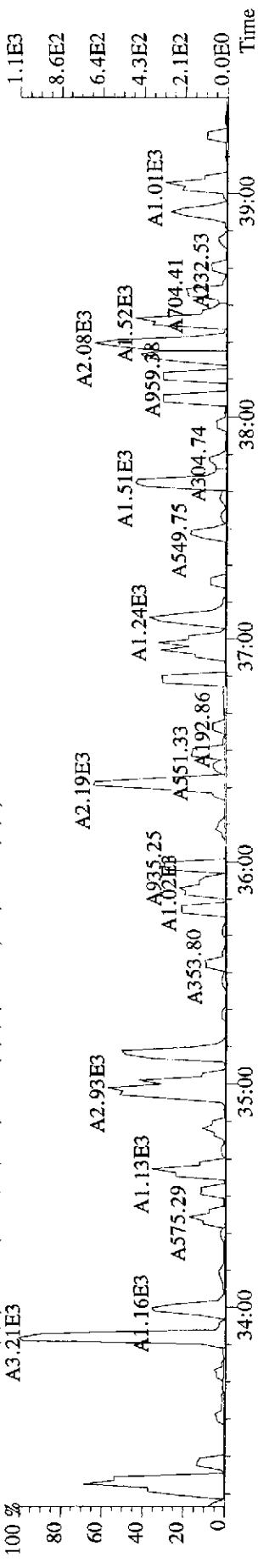
395.7995 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,48.0,0.00%,F,T)



405.8428 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,288.0,0.00%,F,T)



407.8398 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8.0,0.00%,F,T)





## Daily Calibration Checklist Methods 1668 and 1614

Method ID 1668M

Associated ICAL 1668MSL0709099DS

Column ID DB-5

Instrument ID 9DS

STD ID ST0723

STD Solution 09DXN207

Analyzed by KAS

Date Analyzed 7-23-09

Std. Pkg. By SMA

Date Std. Pkg. Assembled 7-24-09

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 7/27/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST0723 File text: ST0723 :CS3 09DXN207  
 Run #6 Filename 23JL099D5 S: 1 I: 1  
 Acquired: 23-JUL-09 16:02:35 Processed: 24-JUL-09 16:36:54  
 Run: 23JL099D5 Analyte: 1668MSL Cal: 1668MSL0709099D5 Results: 23JL099D51668MSL

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	87363400	0.66 y	25:23	-	100.00	-	n
13C-TCB-81	109424000	0.80 y	26:56	1.25	100.00	12.5	n
TCB-81	76788500	0.77 y	26:57	1.40	50.00	5.7	n
13C-TCB-77	113142100	0.80 y	27:30	1.30	100.00	11.5	n
TCB-77	68723000	0.77 y	27:31	1.21	50.00	3.5	n
13C-PeCB-123	88450700	0.64 y	28:52	1.01	100.00	4.6	n
PeCB-123	80744000	0.60 y	28:54	1.83	50.00	10.4	n
13C-PeCB-118	95683200	0.66 y	29:01	1.10	100.00	9.0	n
PeCB-118/106	89610500	0.61 y	29:02	1.87	50.00	13.9	n
13C-PeCB-114	96687300	0.65 y	29:40	1.11	100.00	7.9	n
PeCB-114	92213700	0.61 y	29:41	1.91	50.00	10.5	n
13C-PeCB-105	94575300	0.65 y	30:32	1.08	100.00	11.6	n
PeCB-105/127	80754300	0.60 y	30:34	1.71	50.00	11.7	n
13C-PeCB-126	99552900	0.64 y	32:25	1.14	100.00	14.4	n
PeCB-126	71304400	0.60 y	32:27	1.43	50.00	12.7	n
13C-OcCB-202	105250300	0.86 y	34:44	-	100.00	-	n
13C-HxCB-167	126305000	1.27 y	33:33	1.20	100.00	14.9	n ✓
HxCB-167	89038300	1.30 y	33:32	1.41	50.00	28.2	y ✓
13C-HxCB-156	100399100	1.30 y	34:51	0.95	100.00	13.7	n
HxCB-156	77849600	1.28 y	34:53	1.55	50.00	3.1	n
13C-HxCB-157	102170600	1.28 y	35:10	0.97	100.00	10.2	n
HxCB-157	79097800	1.27 y	35:12	1.55	50.00	3.5	n
13C-HxCB-169	115106300	1.27 y	37:00	1.09	100.00	19.1	n
HxCB-169	58291200	1.28 y	37:01	1.01	50.00	2.5	n
13C-HpCB-180	85233500	1.02 y	35:49	0.81	100.00	8.9	n
HpCB-180	54193100	1.07 y	35:50	1.27	50.00	-3.4	n
13C-HpCB-170	69411600	1.03 y	37:28	0.66	100.00	7.9	n
HpCB-170/190	55309800	1.08 y	37:30	1.59	50.00	-2.1	n
13C-HpCB-189	89718500	1.02 y	39:05	0.85	100.00	11.9	n
HpCB-189	53610200	1.09 y	39:06	1.20	50.00	-2.2	n
13C-PeCB-111	119737600	0.65 y	26:50	1.26	100.00	-4.6	n

Run text: ST0723 File text: ST0723 :CS3 09DXN207  
 Run #6 Filename 23JL099D5 S: 1 I: 1  
 Acquired: 23-JUL-09 16:02:35 Processed: 24-JUL-09 16:36:54  
 Run: 23JL099D5 Analyte: 1668MSL Cal: 1668MSL0709099D5 Results: 23JL099D51668MSL

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	87363400	0.66 y	25:23	-	100.00	-	n
13C-TCB-81	109424000	0.80 y	26:56	1.25	100.00	12.5	n
TCB-81	76788500	0.77 y	26:57	1.40	50.00	5.7	n
13C-TCB-77	113142100	0.80 y	27:30	1.30	100.00	11.5	n
TCB-77	68723000	0.77 y	27:31	1.21	50.00	3.5	n
13C-PeCB-123	88450700	0.64 y	28:52	1.01	100.00	4.6	n
PeCB-123	80744000	0.60 y	28:54	1.83	50.00	10.4	n
13C-PeCB-118	95683200	0.66 y	29:01	1.10	100.00	9.0	n
PeCB-118/106	89610500	0.61 y	29:02	1.87	50.00	13.9	n
13C-PeCB-114	96687300	0.65 y	29:40	1.11	100.00	7.9	n
PeCB-114	92213700	0.61 y	29:41	1.91	50.00	10.5	n
13C-PeCB-105	94575300	0.65 y	30:32	1.08	100.00	11.6	n
PeCB-105/127	80754300	0.60 y	30:34	1.71	50.00	11.7	n
13C-PeCB-126	99552900	0.64 y	32:25	1.14	100.00	14.4	n
PeCB-126	71304400	0.60 y	32:27	1.43	50.00	12.7	n
13C-OcCB-202	105250300	0.86 y	34:44	-	100.00	-	n
13C-HxCB-167	126305000	1.27 y	33:33	1.20	100.00	14.9	n
HxCB-167	142943700	1.26 y	33:32	2.26	50.00	105.9	n
13C-HxCB-156	100399100	1.30 y	34:51	0.95	100.00	13.7	n
HxCB-156	77849500	1.28 y	34:53	1.55	50.00	3.1	n
13C-HxCB-157	102170600	1.28 y	35:10	0.97	100.00	10.2	n
HxCB-157	79097900	1.27 y	35:12	1.55	50.00	3.5	n
13C-HxCB-169	115106300	1.27 y	37:00	1.09	100.00	19.1	n
HxCB-169	58291200	1.28 y	37:01	1.01	50.00	2.5	n
13C-HpCB-180	85233500	1.02 y	35:49	0.81	100.00	8.9	n
HpCB-180	54193100	1.07 y	35:50	1.27	50.00	-3.4	n
13C-HpCB-170	69411600	1.03 y	37:28	0.66	100.00	7.9	n
HpCB-170/190	55309800	1.08 y	37:30	1.59	50.00	-2.1	n
13C-HpCB-189	89718500	1.02 y	39:05	0.85	100.00	11.9	n
HpCB-189	53610200	1.09 y	39:06	1.20	50.00	-2.2	n
13C-PeCB-111	119737600	0.65 y	26:50	1.26	100.00	-4.6	n

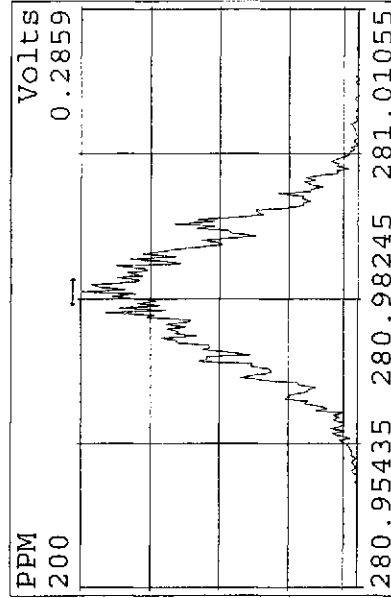
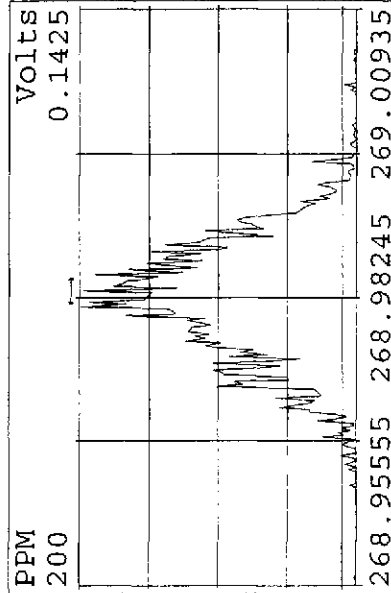
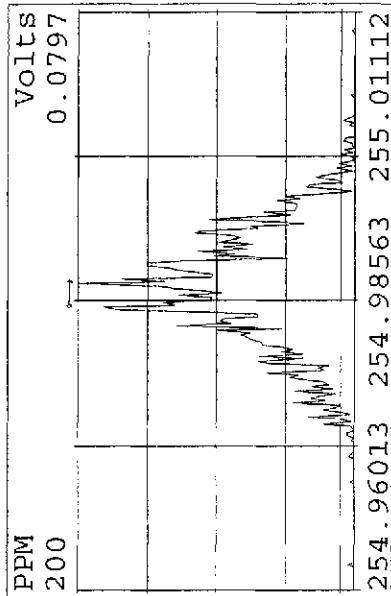
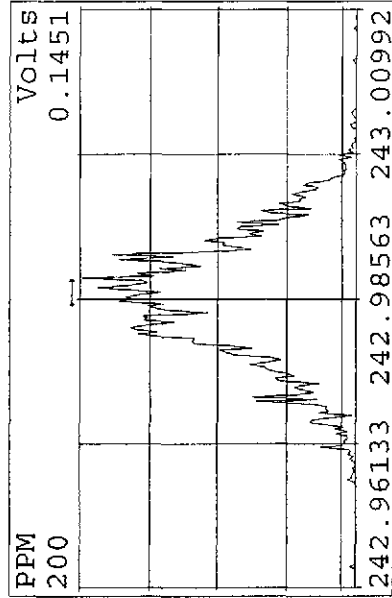
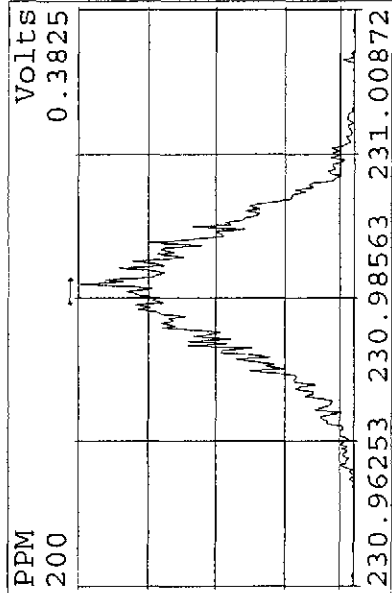
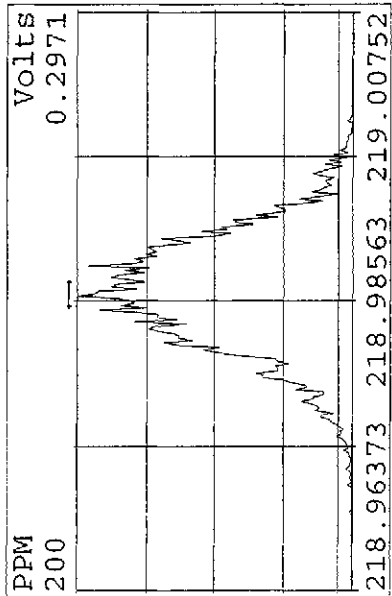
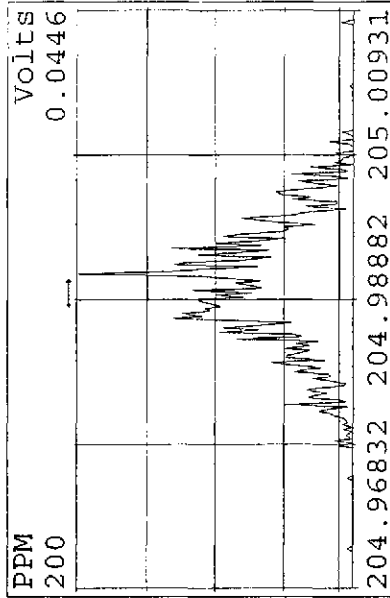
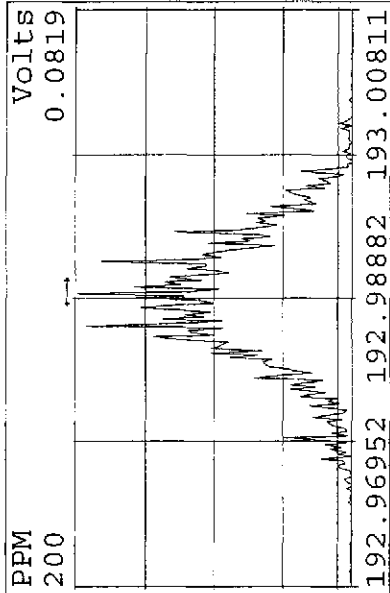
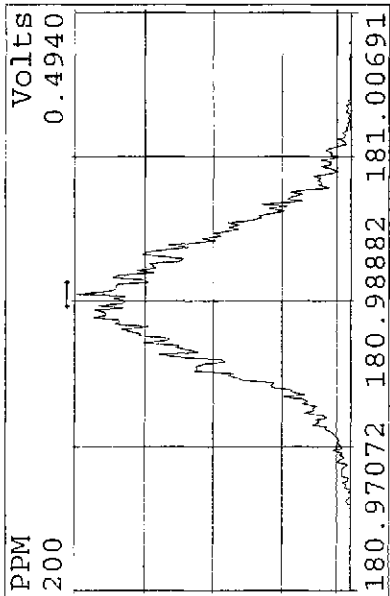
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
23JL099D5	1	ST0723	CS3 09DXN207				1.00000	
23JL099D5	2	ST0723A	09DXN229 209 2ND SRC				1.00000	
23JL099D5	3	SB0723	Solvent Blank C-12				1.00000	
23JL099D5	4	LGJQL-1-AC	G9G150333-1	20	1668A/AIR	93	0.50000	SAM
23JL099D5	5	LGJQQ-1-AC	G9G150333-2	20	1668A/AIR		0.50000	SAM
23JL099D5	6	LF5FW-1-AC	G9G070215-1	20	1668A/SOLID		10.02500	g
23JL099D5	7	LF5FX-1-AC	G9G070215-2	20	1668A/SOLID		10.03000	g
23JL099D5	8	LF5F1-1-AC	G9G070215-3	20	1668A/SOLID		10.07000	g
23JL099D5	9	LF5FR-1-AC	G9G070212-3	20	1668A/SOLID		10.00500	g
23JL099D5	10	LF5FT-1-AC	G9G070212-4	20	1668A/SOLID		10.03500	g
23JL099D5	11	LF172-1-AC	G9G020280-1 (20X)	20	1668A/SOLID	95	10.25150	g
23JL099D5	12	LFV97-1-AC	G9F300243-2 (3X)	20	1668A/AIR		0.50000	SAM
23JL099D5	13	LFV97-1-AC	G9F300243-3 (3X)	20	1668A/AIR		0.50000	SAM
23JL099D5	14	LFWAM-1-AC	G9F300243-5 (3X)	20	1668A/AIR		0.00000	SAM
23JL099D5	15	SB0723	Solvent Blank C-12				1.00000	
23JL099D5	16	ST0722	CS3 09DXN207				1.00000	
23JL099D5	17	ST0722A	09DXN229 209 2ND SRC				1.00000	
23JL099D5	18	SB0723	Solvent Blank C-12				1.00000	
23JL099D5	19						1.00000	
23JL099D5	20						1.00000	
23JL099D5	21		KAS 7-23-09				1.00000	
23JL099D5	22						1.00000	

Logfile checked

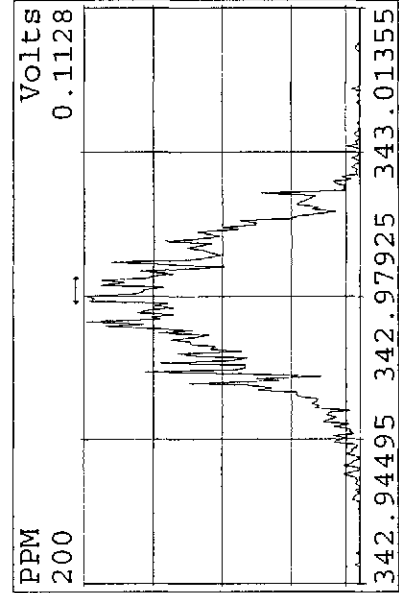
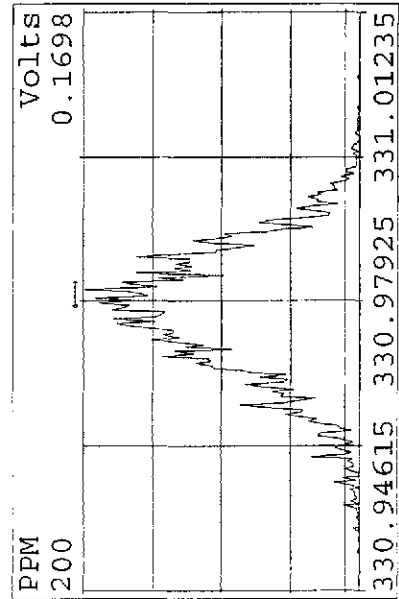
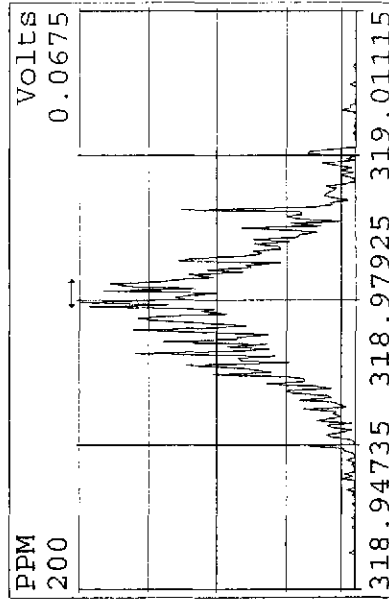
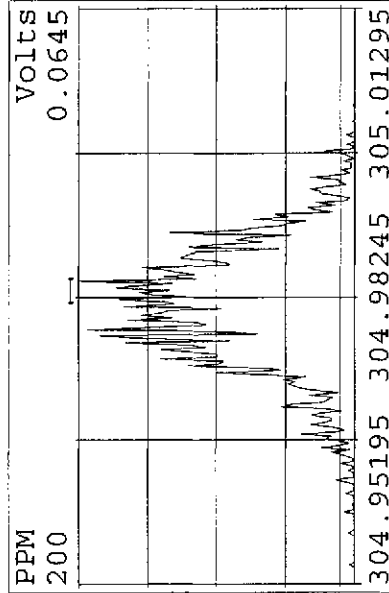
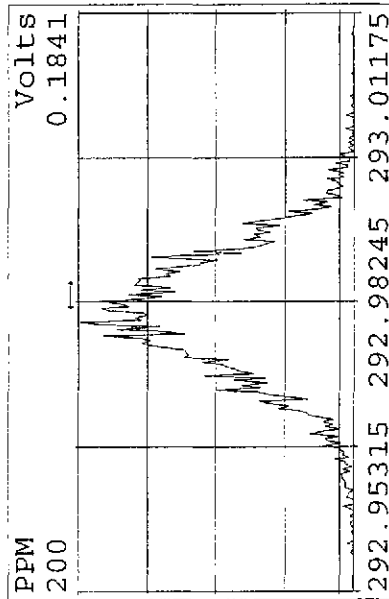
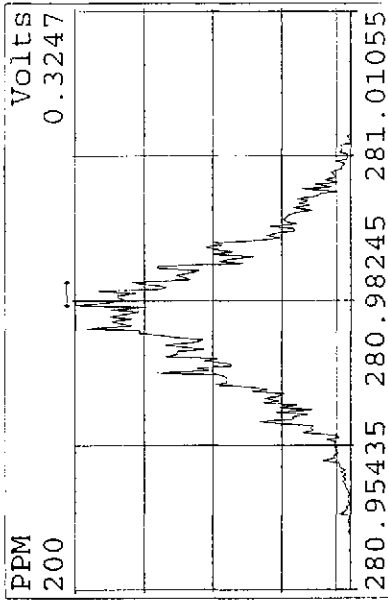
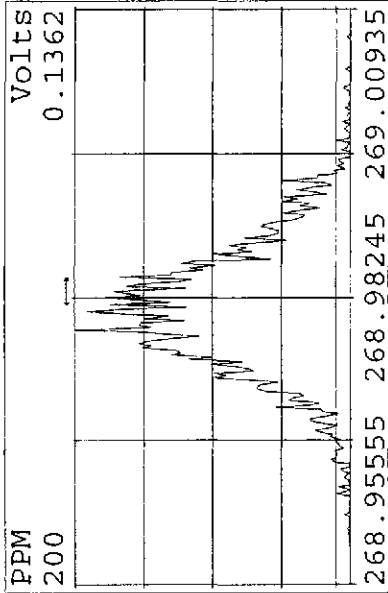
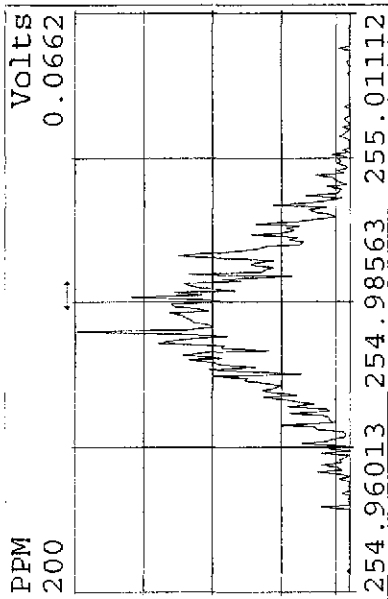
7-24-09

SMA

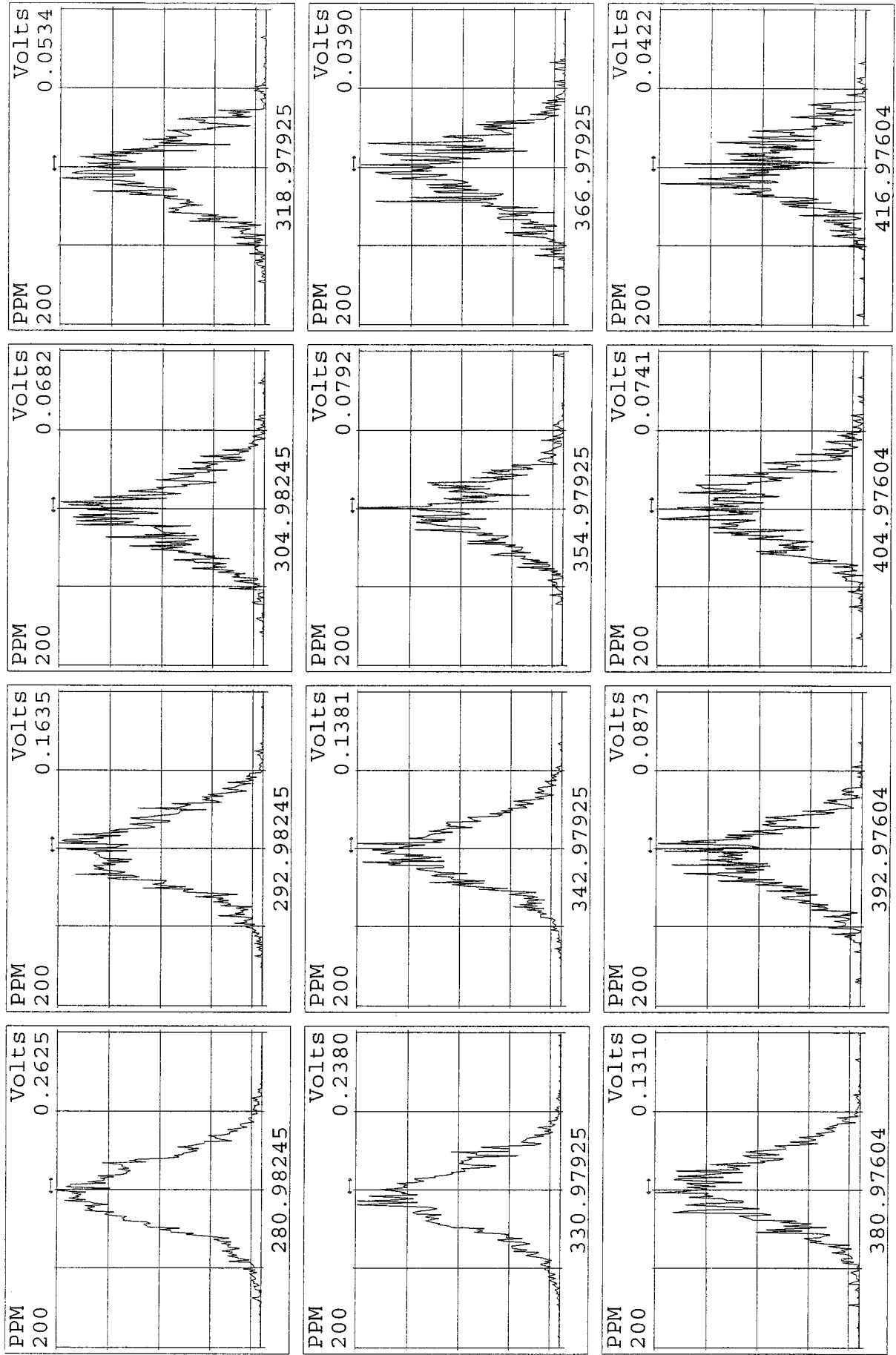
Peak Locate Examination: 23-JUL-2009: 15:59 File: 23JL099D5  
 Experiment: 209DB5 Function: 1 Reference: PFK



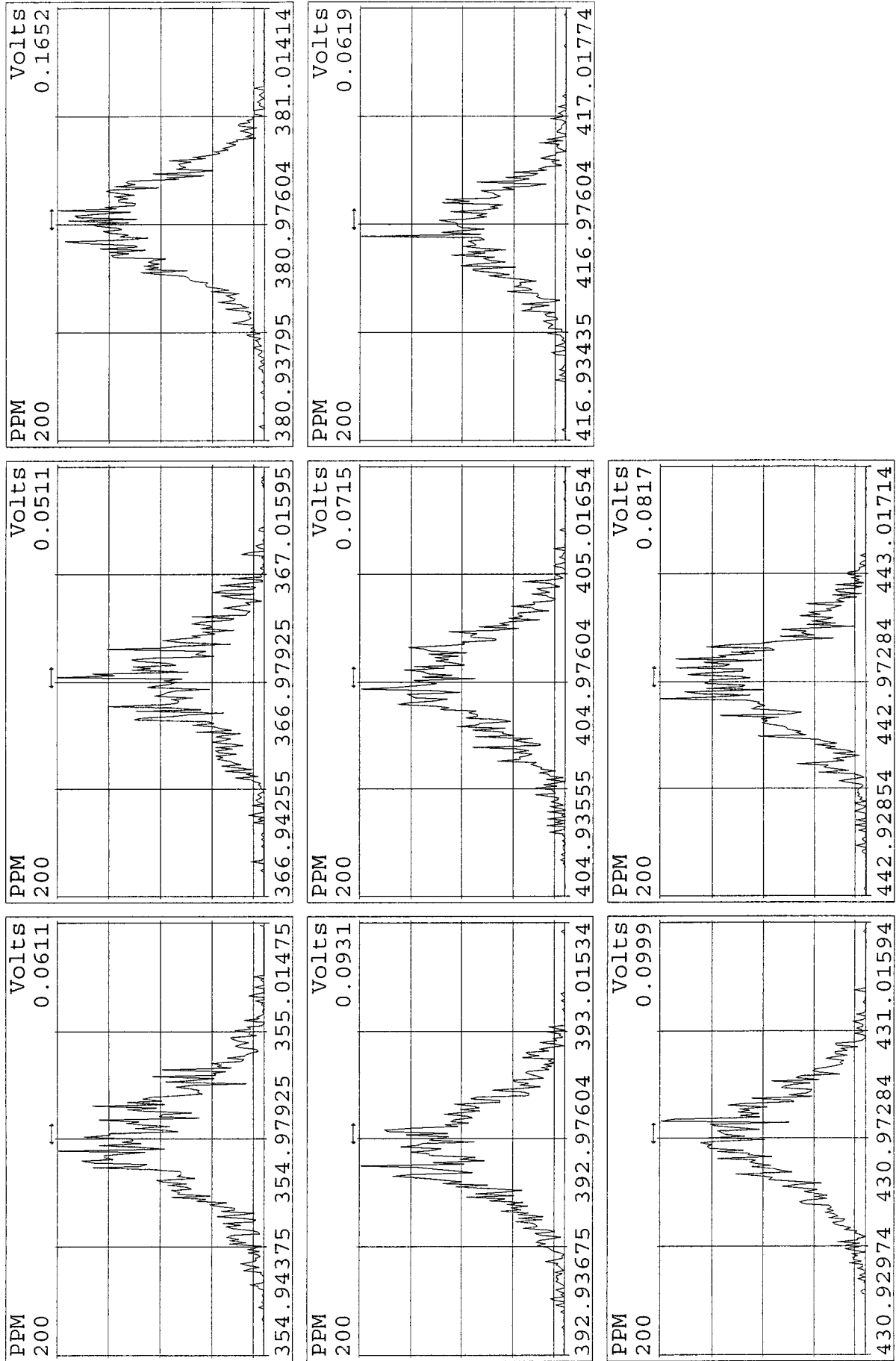
Peak Locate Examination:23-JUL-2009:16:00 File:23JL099D5  
 Experiment:209DB5 Function:2 Reference:PFK



Peak Locate Examination:23-JUL-2009:16:00 File:23JL099D5  
Experiment:209DB5 Function:3 Reference:PFK

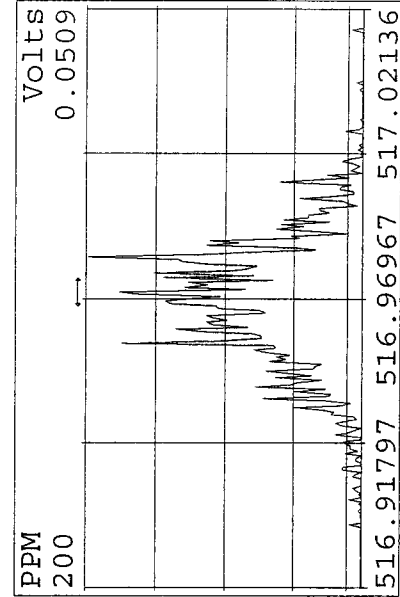
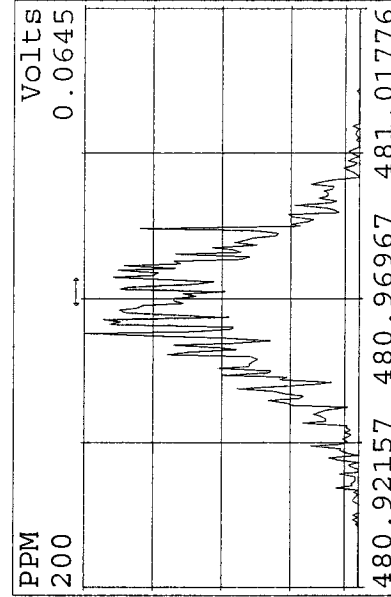
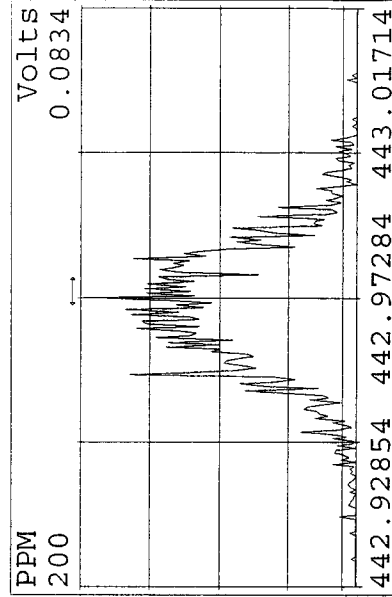
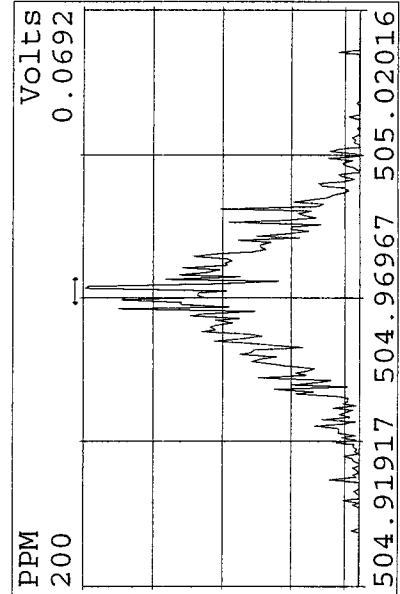
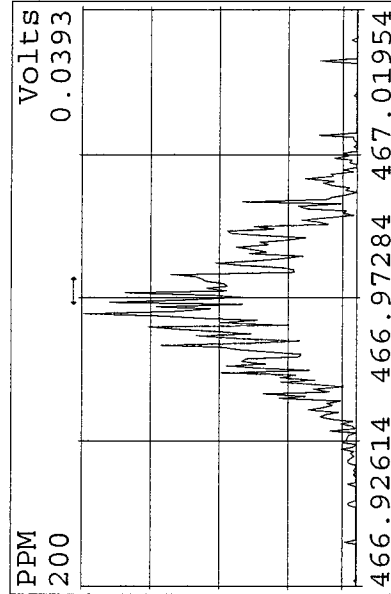
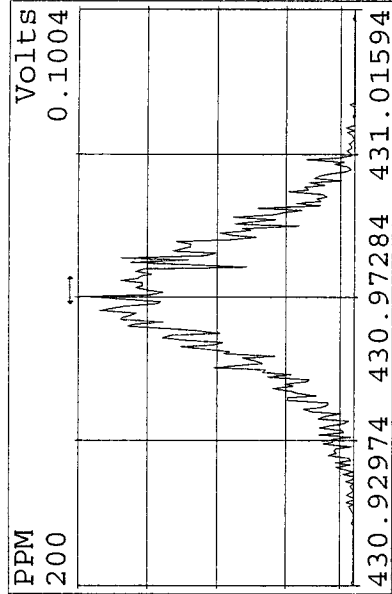
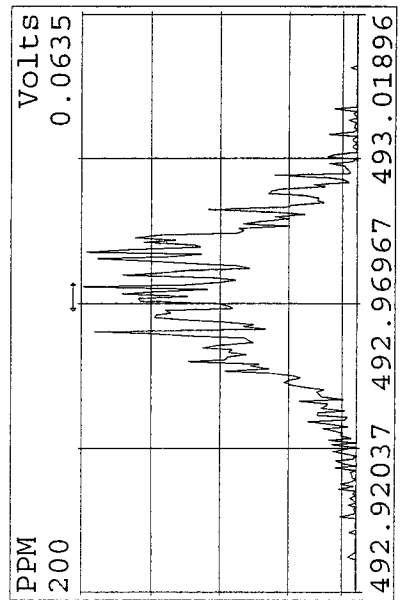
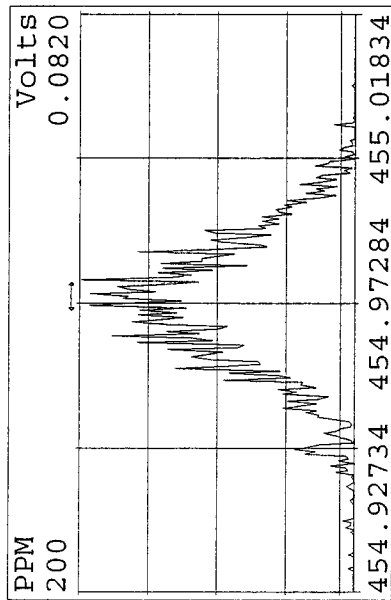
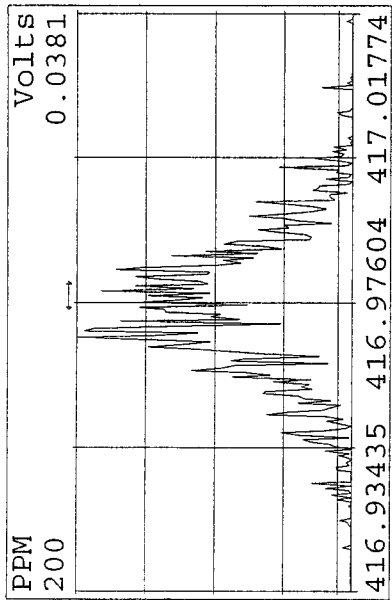


Peak Locate Examination: 23-JUL-2009: 16:00 File: 23JL099D5  
 Experiment: 209DB5 Function: 4 Reference: PFK

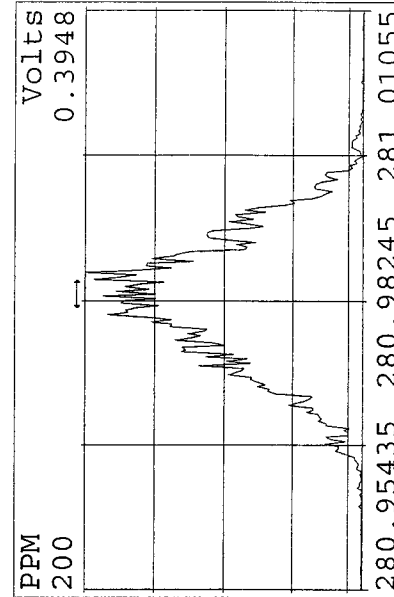
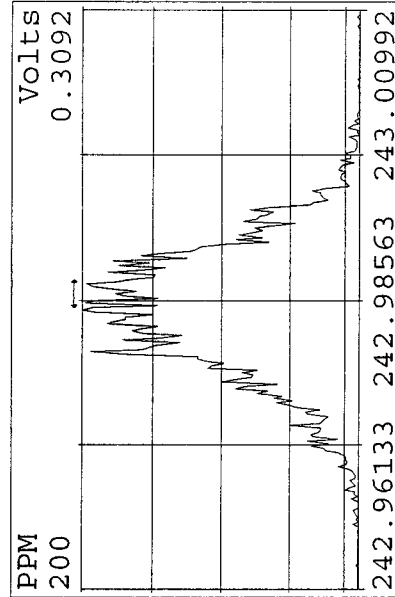
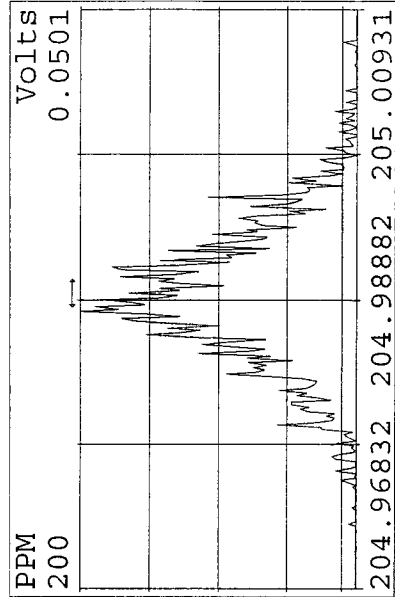
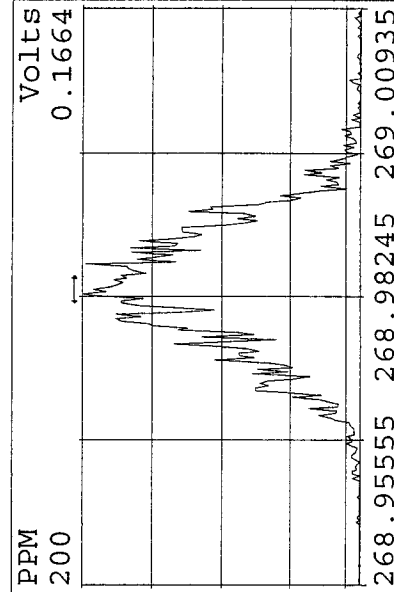
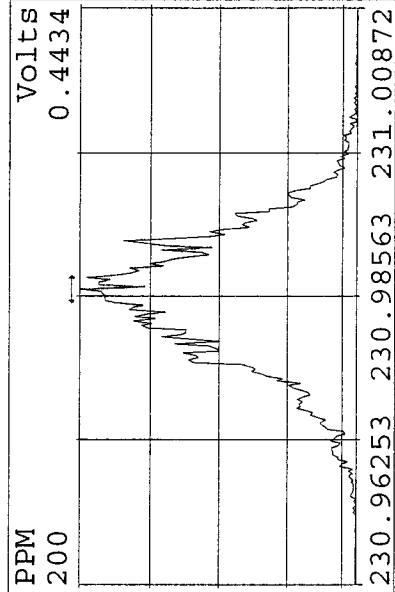
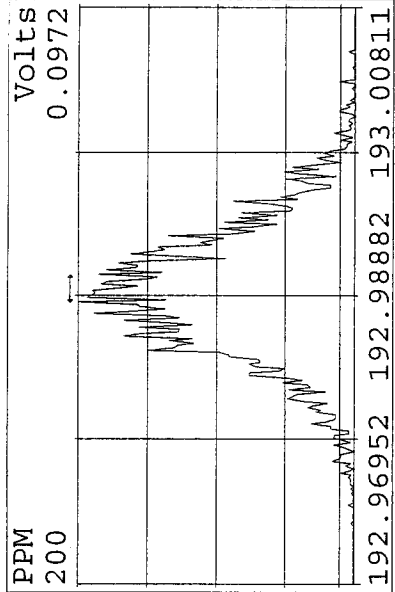
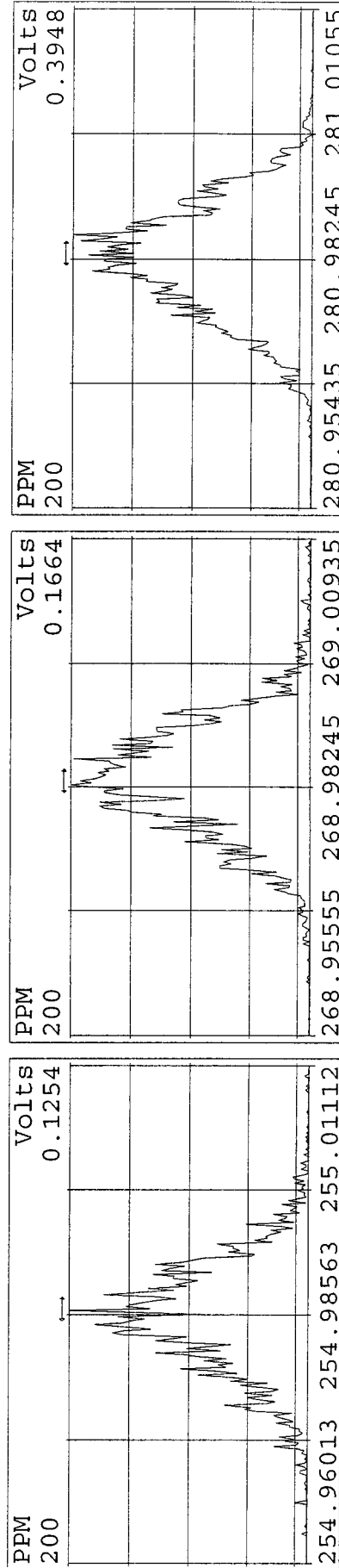
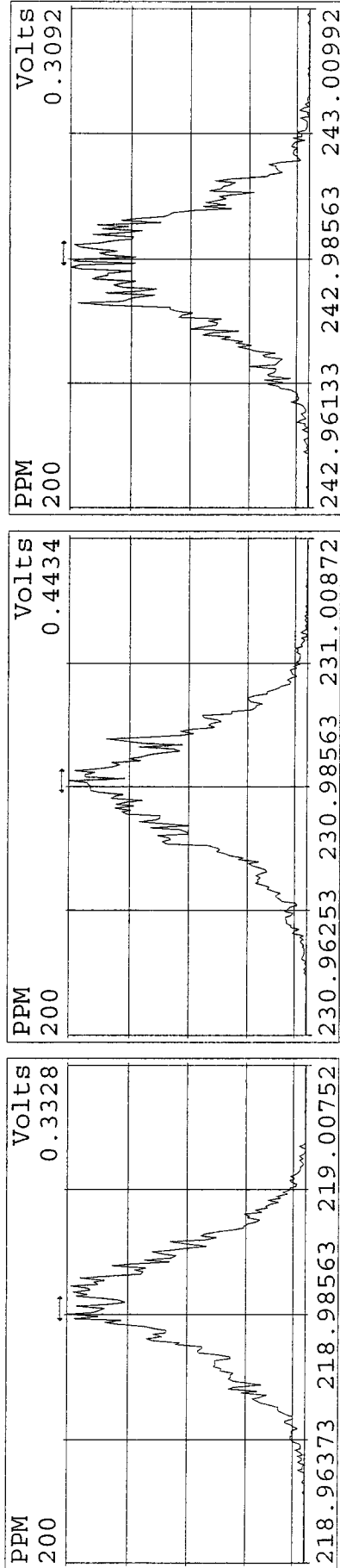
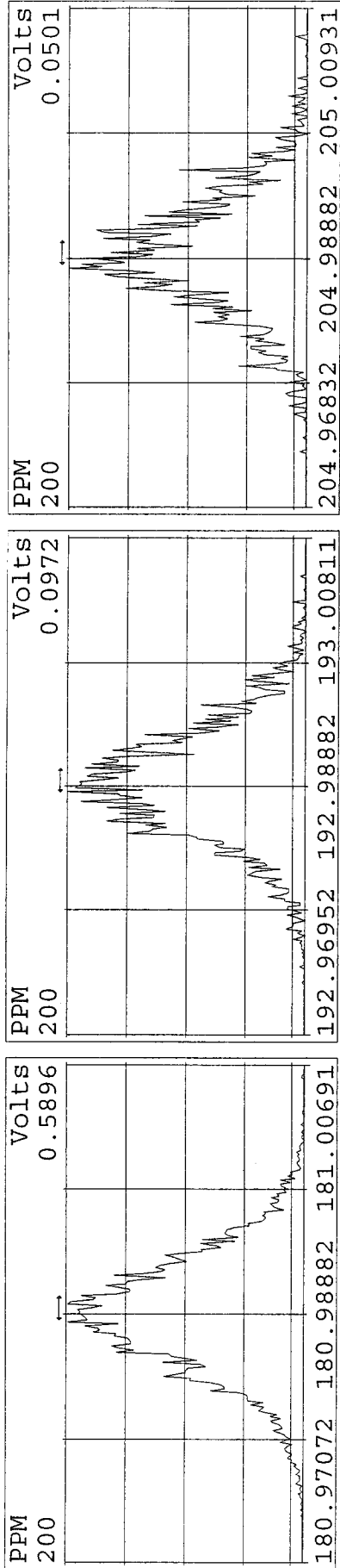




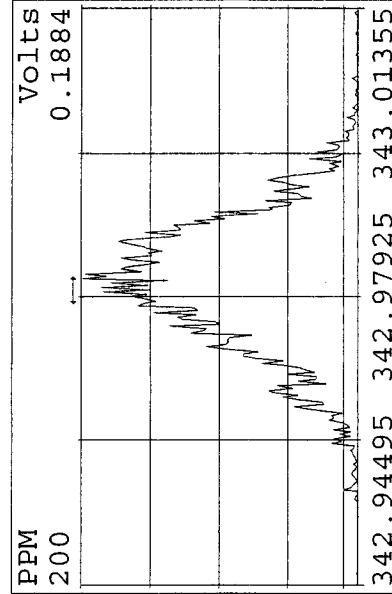
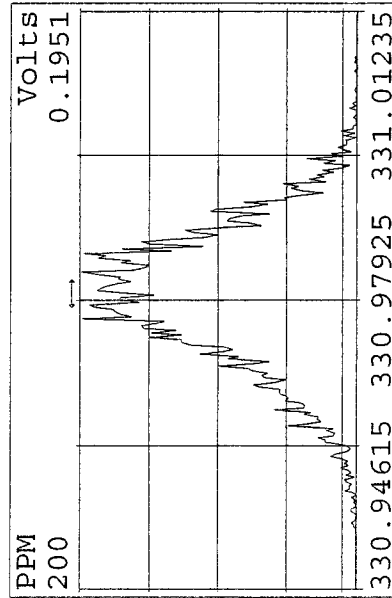
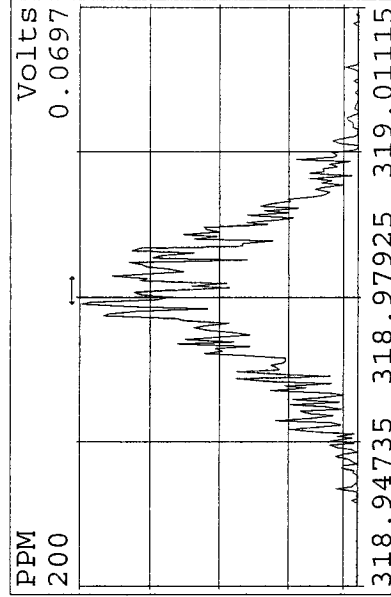
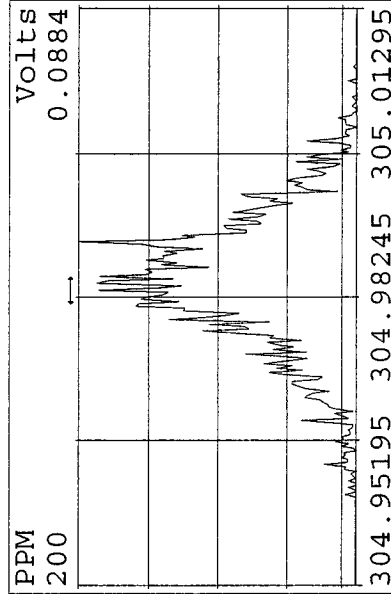
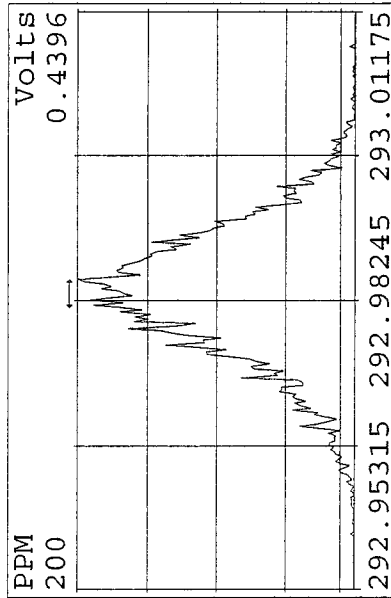
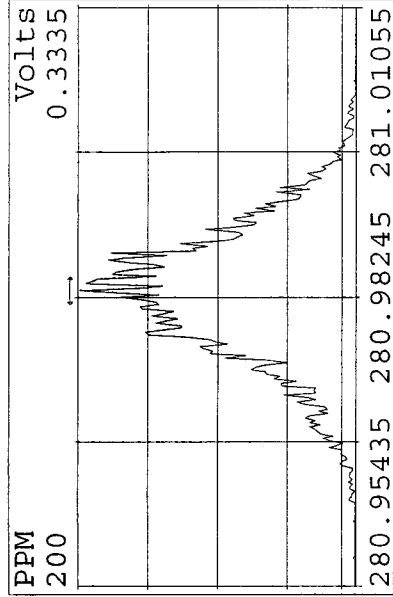
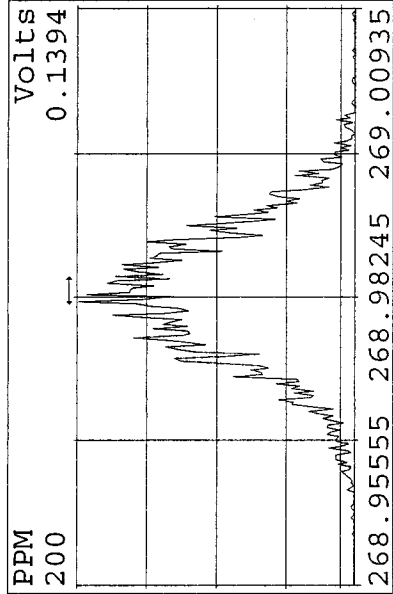
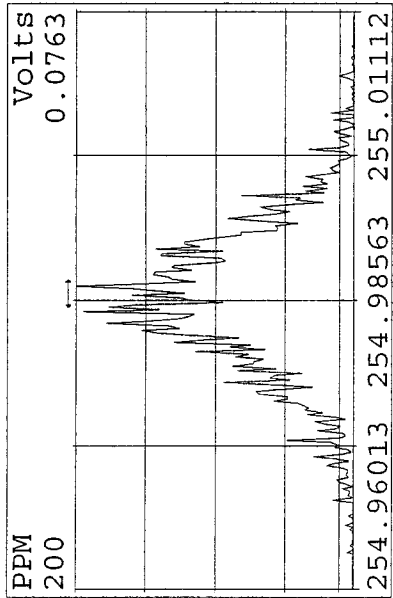
Peak Locate Examination: 23-JUL-2009:16:00 File: 23JL099D5  
 Experiment: 209DB5 Function: 5 Reference: PFK



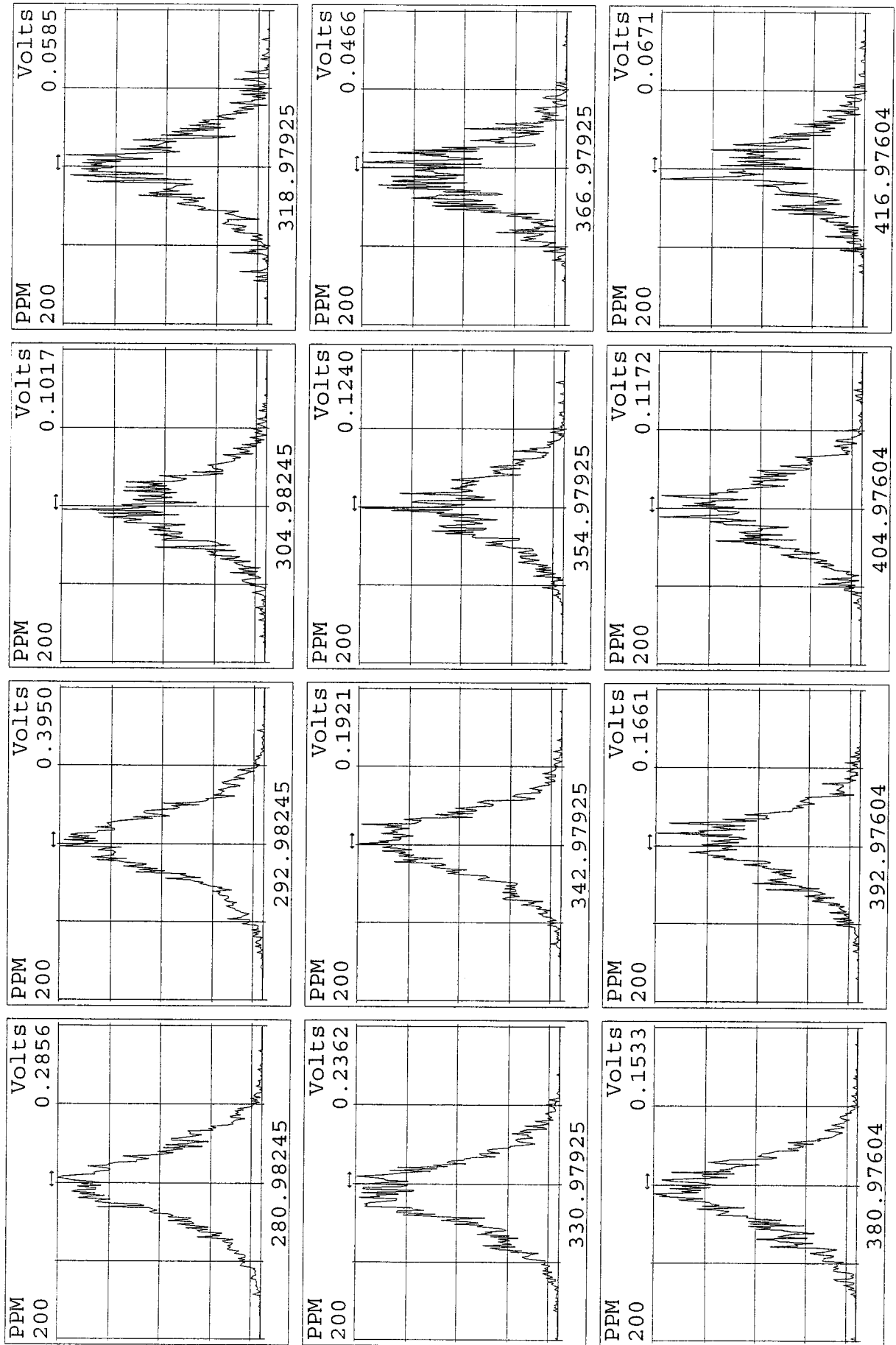
Peak Locate Examination: 24-JUL-2009: 09:51 File: 23JL099D5ENDRES  
Experiment: 209DB5 Function: 1 Reference: PFK



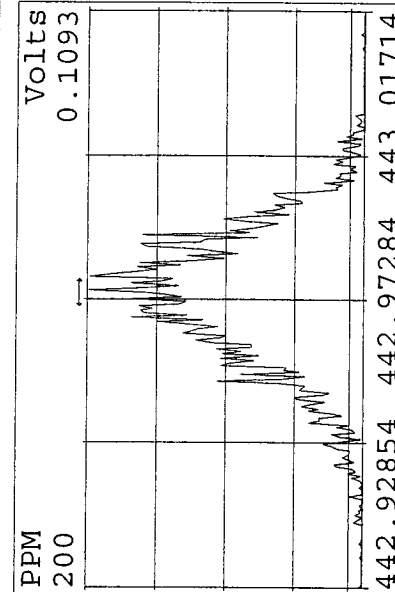
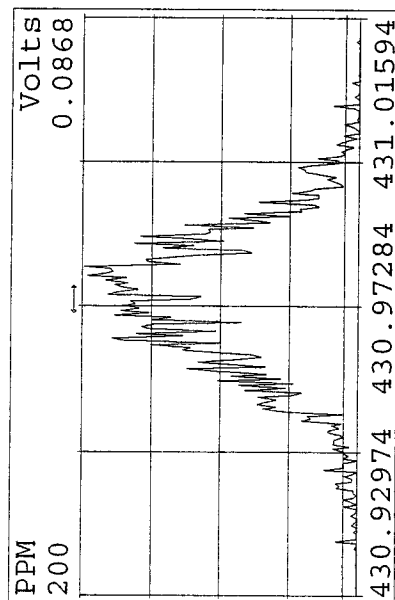
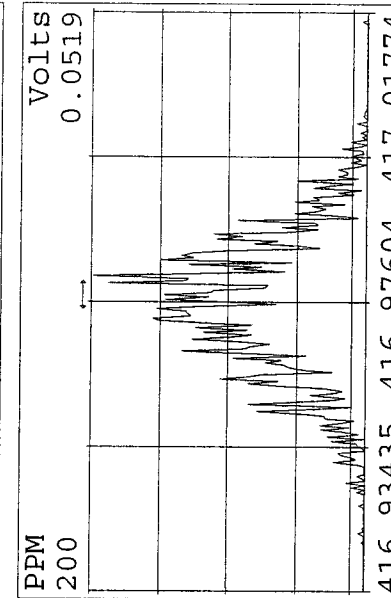
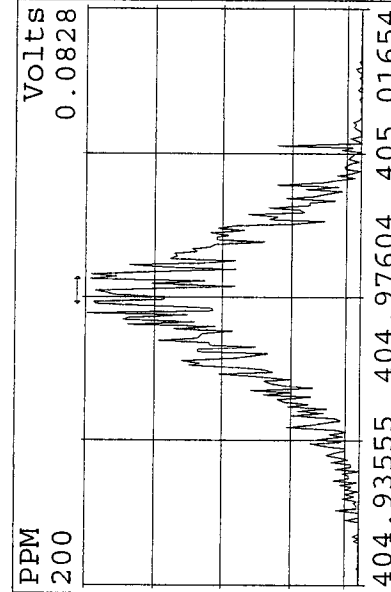
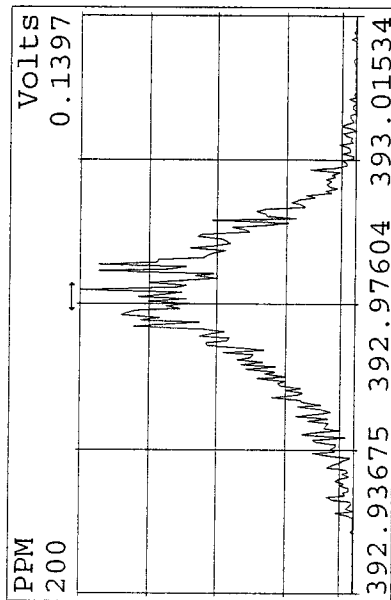
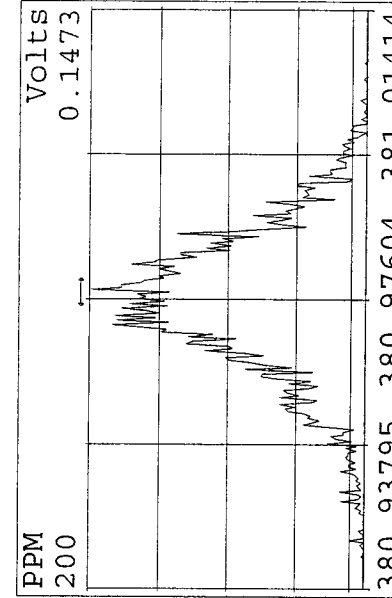
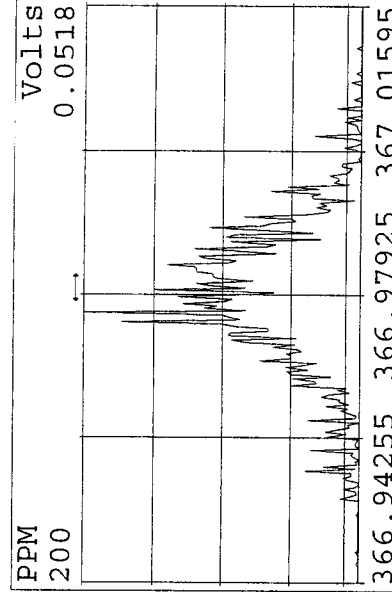
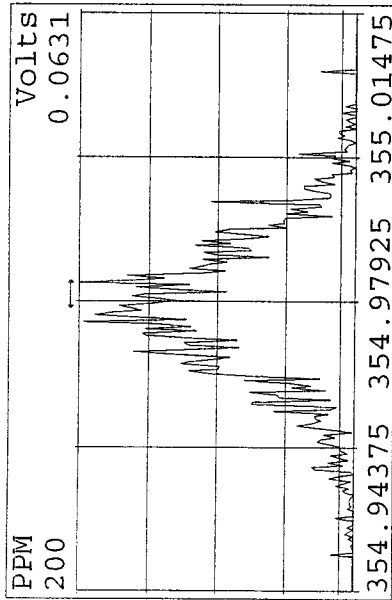
Peak Locate Examination:24-JUL-2009:09:51 File:23JL099D5ENDRES  
 Experiment:209DB5 Function:2 Reference:PFK



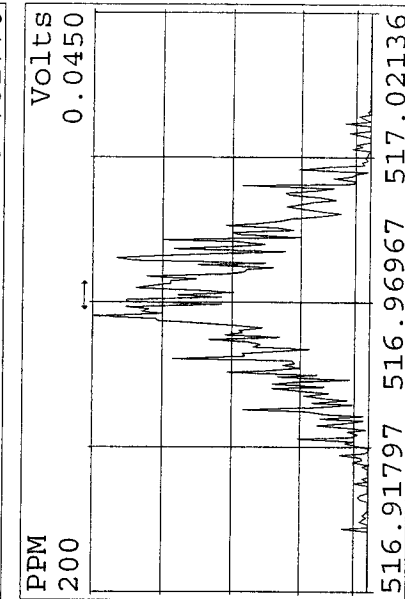
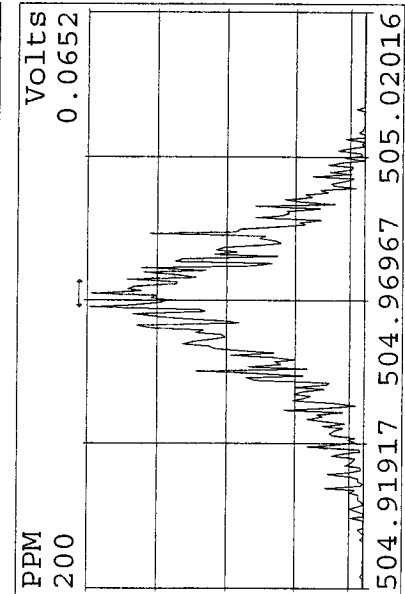
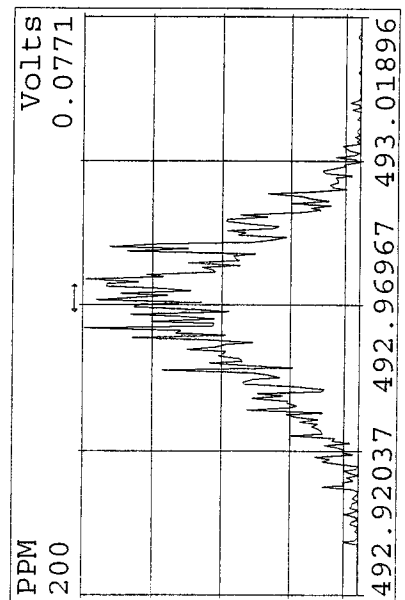
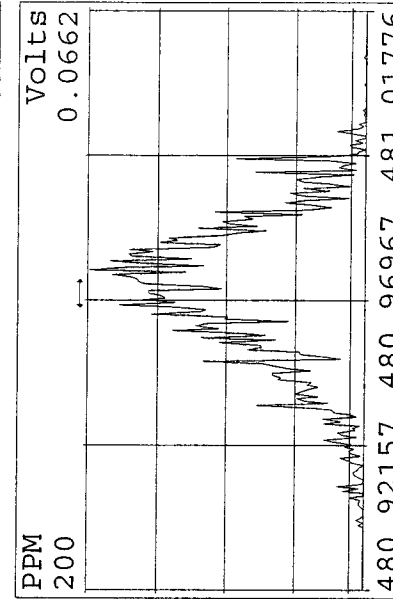
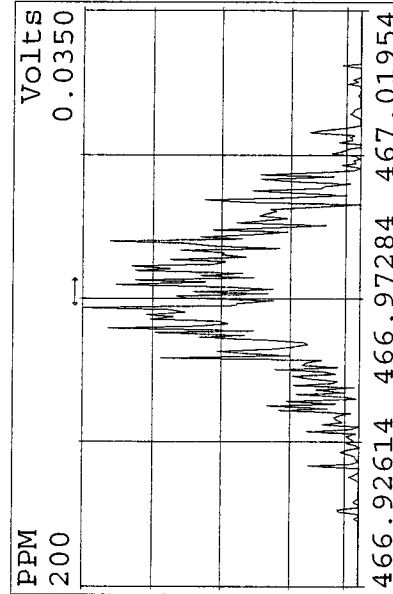
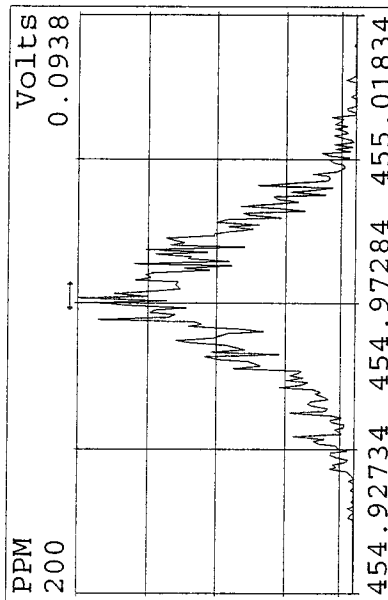
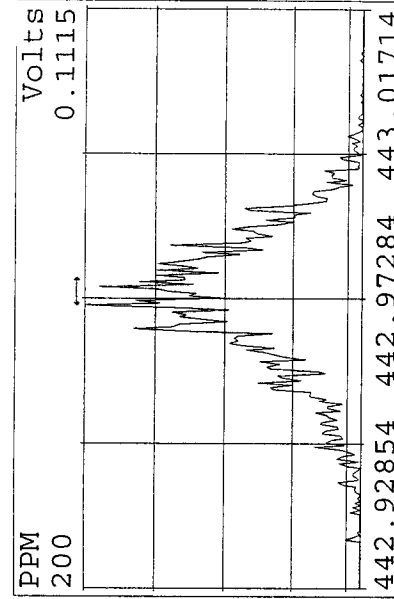
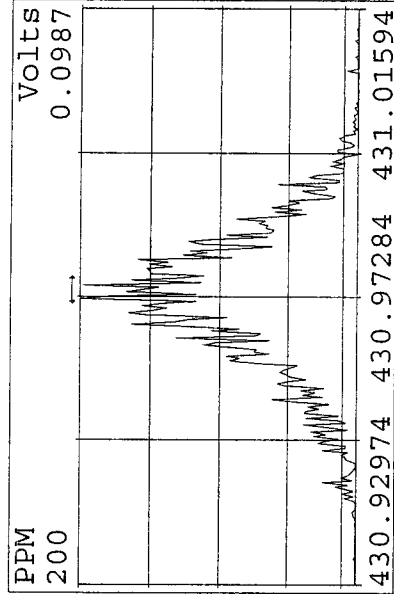
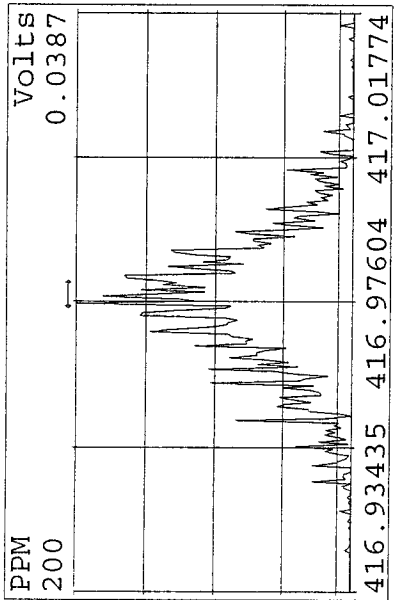
Peak Locate Examination:24-JUL-2009:09:51 File:23JL099D5ENDRES  
Experiment:209DB5 Function:3 Reference:PFK



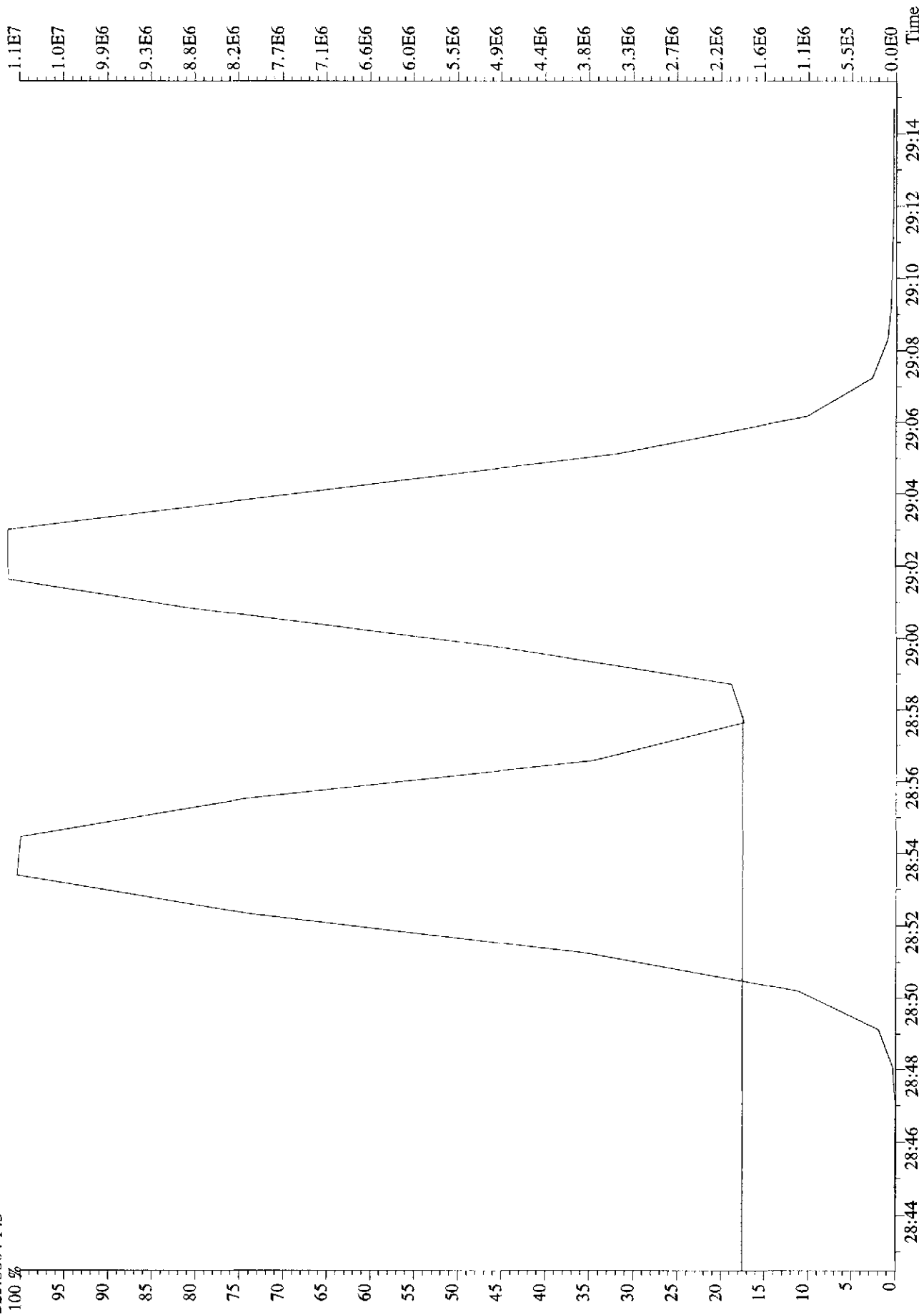
Peak Locate Examination: 24-JUL-2009: 09:52 File: 23JL099D5ENDRES  
 Experiment: 209DB5 Function: 4 Reference: PFK



Peak Locate Examination:24-JUL-2009:09:52 File:23JL099D5ENDRES  
Experiment:209DB5 Function:5 Reference:PFK



File:23JL099D5 #1-597 Acq:23-JUL-2009 16:02:35 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#1 Text:ST0723 :CS3 09DXN207 Exp:209DB5  
325.8804 F:3



Run: 23JL099D5	Analyte: 1668MSL	Cal: 1668MSL0709099D5												
ST0709A :CS3 09DXN207	ST0709B :CS1 09DXN205	ST0709C :CS2 09DXN206												
ST0709D :CS4 09DXN208	ST0709E :CS5 09DXN209													
			09JL09E9D509JL09E9D509JL09E9D509JL09E9D509JL09E9D509JL09E9D5											
Name	Mean	S. D.	%RSD	S2	RRF1	S3	RRF2	S4	RRF3	S5	RRF4	S6	RRF5	
13C-PeCB-101	-	-	- %	-	-	-	-	-	-	-	-	-	-	
13C-TCB-81	1.113	0.032	2.85 %	1.17	1.09	1.09	1.10	1.10	1.09	1.09	1.09	1.11	1.11	
TCB-81	1.327	0.063	4.71 %	1.37	1.22	1.22	1.31	1.31	1.37	1.37	1.37	1.37	1.37	
13C-TCB-77	1.162	0.038	3.26 %	1.22	1.12	1.12	1.15	1.15	1.15	1.15	1.15	1.16	1.16	
TCB-77	1.173	0.030	2.52 %	1.20	1.13	1.13	1.16	1.16	1.19	1.19	1.19	1.19	1.19	
13C-PeCB-123	0.968	0.038	3.88 %	1.01	0.98	0.98	0.93	0.93	0.93	0.93	0.93	0.99	0.99	
PeCB-123	1.653	0.041	2.50 %	1.69	1.59	1.59	1.65	1.65	1.68	1.68	1.68	1.65	1.65	
13C-PeCB-118	1.005	0.036	3.63 %	1.05	0.98	0.98	1.01	1.01	1.03	1.03	1.03	0.96	0.96	
PeCB-118/106	1.645	0.053	3.19 %	1.71	1.62	1.62	1.58	1.58	1.63	1.63	1.63	1.68	1.68	
13C-PeCB-114	1.026	0.024	2.39 %	1.06	1.03	1.03	1.00	1.00	1.00	1.00	1.00	1.03	1.03	
PeCB-114	1.726	0.049	2.81 %	1.79	1.66	1.66	1.71	1.71	1.72	1.72	1.72	1.75	1.75	
13C-PeCB-105	0.970	0.017	1.73 %	1.00	0.97	0.97	0.96	0.96	0.97	0.97	0.97	0.96	0.96	
PeCB-105/127	1.529	0.030	1.93 %	1.58	1.51	1.51	1.52	1.52	1.52	1.52	1.52	1.52	1.52	
13C-PeCB-126	0.996	0.030	3.04 %	1.05	0.98	0.98	0.99	0.99	0.97	0.97	0.97	0.99	0.99	
PeCB-126	1.271	0.016	1.28 %	1.29	1.25	1.25	1.26	1.26	1.29	1.29	1.29	1.27	1.27	
13C-OcCB-202	-	-	- %	-	-	-	-	-	-	-	-	-	-	
13C-HxCB-167	1.044	0.029	2.74 %	1.08	1.01	1.01	1.02	1.02	1.04	1.04	1.04	1.06	1.06	
HxCB-167	1.100	0.085	7.71 %	1.18	1.13	1.13	0.95	0.95	1.12	1.12	1.12	1.12	1.12	
13C-HxCB-156	0.839	0.030	3.57 %	0.89	0.81	0.81	0.83	0.83	0.82	0.82	0.82	0.85	0.85	
HxCB-156	1.504	0.031	2.05 %	1.54	1.47	1.47	1.48	1.48	1.53	1.53	1.53	1.51	1.51	
13C-HxCB-157	0.881	0.028	3.23 %	0.93	0.86	0.86	0.88	0.88	0.86	0.86	0.86	0.88	0.88	
HxCB-157	1.495	0.027	1.80 %	1.52	1.47	1.47	1.46	1.46	1.52	1.52	1.52	1.51	1.51	
13C-HxCB-169	0.918	0.036	3.91 %	0.98	0.89	0.89	0.91	0.91	0.91	0.91	0.91	0.91	0.91	
HxCB-169	0.988	0.023	2.36 %	1.01	0.97	0.97	0.96	0.96	0.99	0.99	0.99	1.01	1.01	
13C-HpCB-180	0.744	0.015	2.00 %	0.77	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.73	0.73	
HpCB-180	1.317	0.051	3.90 %	1.33	1.40	1.40	1.27	1.27	1.28	1.28	1.28	1.30	1.30	
13C-HpCB-170	0.611	0.015	2.47 %	0.64	0.60	0.60	0.61	0.61	0.59	0.59	0.59	0.61	0.61	
HpCB-170/190	1.627	0.012	0.762 %	1.63	1.64	1.64	1.62	1.62	1.63	1.63	1.63	1.61	1.61	

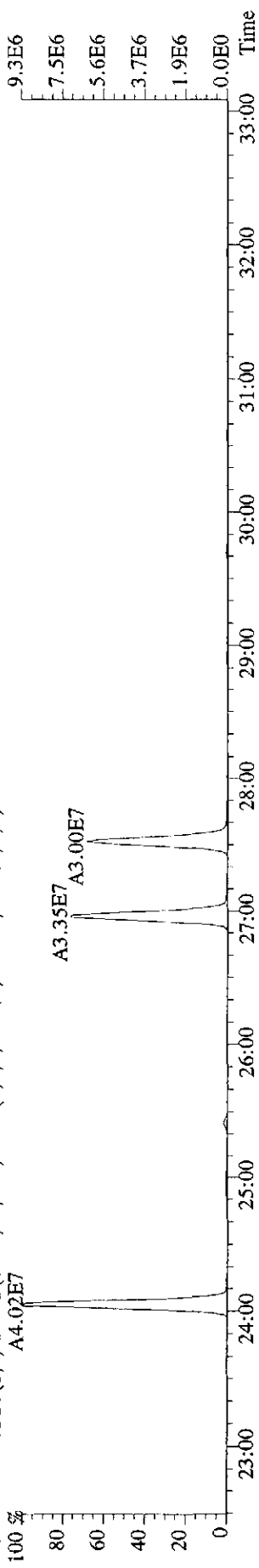


13C-HpCB-189	0.762	0.022	2.85 %	0.80	0.76	0.75	0.76	0.74
HpCB-189	1.222	0.029	2.39 %	1.24	1.17	1.23	1.23	1.24
13C-PeCB-111	1.321	0.043	3.22 %	1.32	1.36	1.35	1.32	1.25

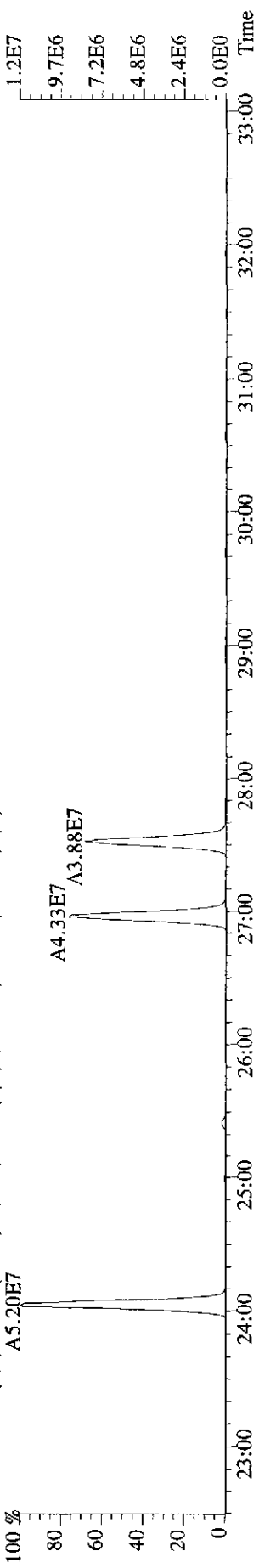
File:23JL099D5 #1-597 Acq:23-JUL-2009 16:02:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#1 Text:ST0723 :CS3 09DXN207 Exp:209DB5

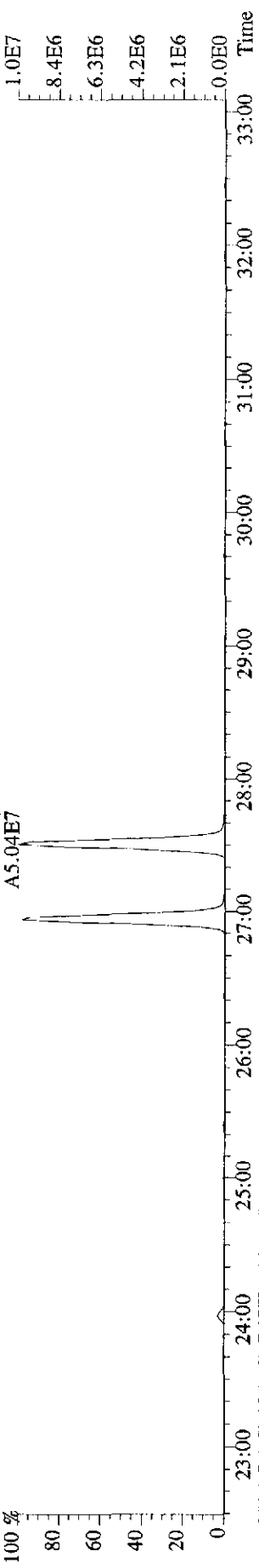
289.9224 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1828.0,0.00%,F,T)



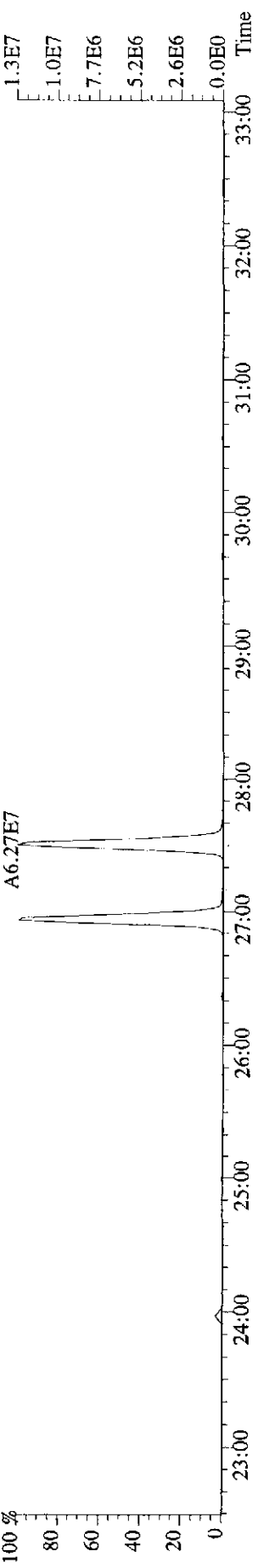
291.9194 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2248.0,0.00%,F,T)



301.9626 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4416.0,0.00%,F,T)

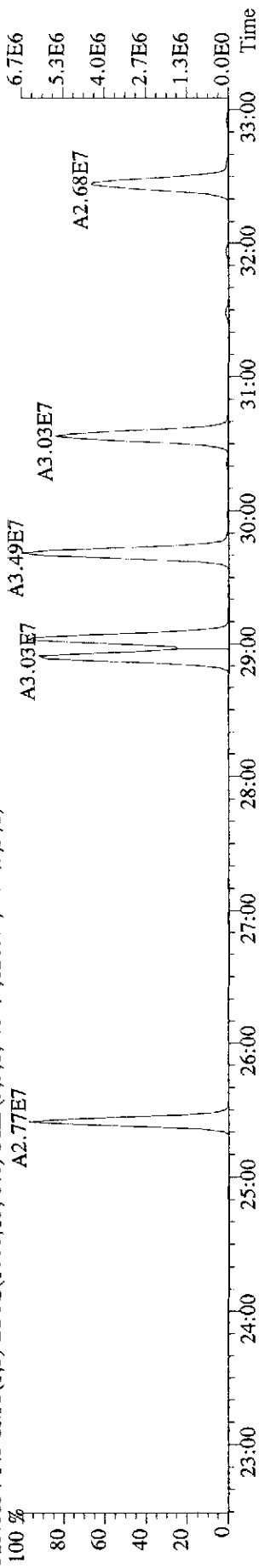


303.9597 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1544.0,0.00%,F,T)

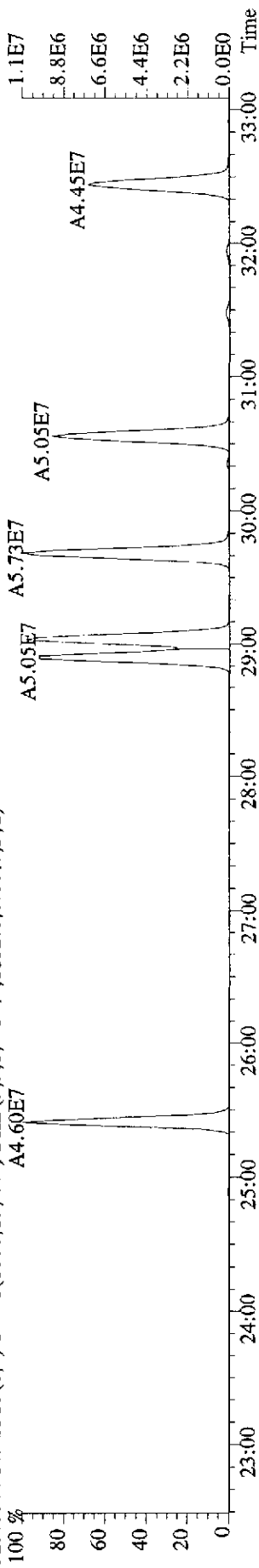


File: 23JL099D5 #1-597 Acq: 23-JUL-2009 16:02:35 GC EI + Voltage SIR Autospec-UltimaE

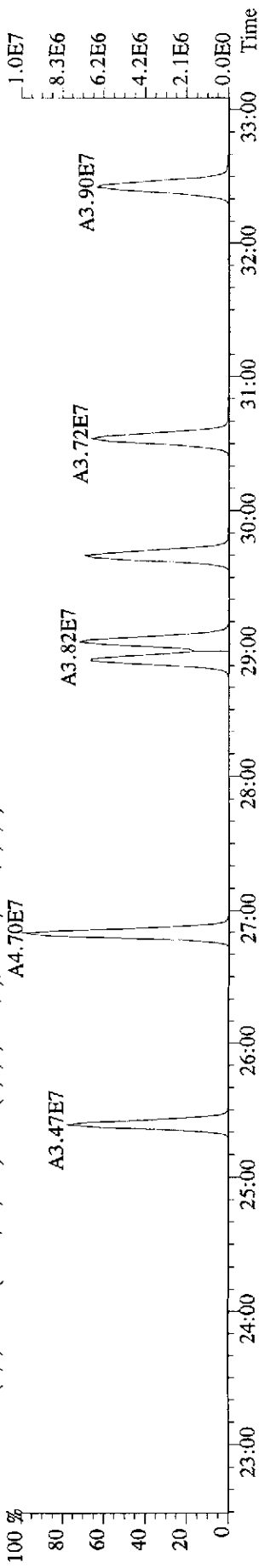
Sample#1 Text: ST0723 : CS3 09DXN207 Exp: 209DB5  
323.8834 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1268.0,0.00%,F,T)



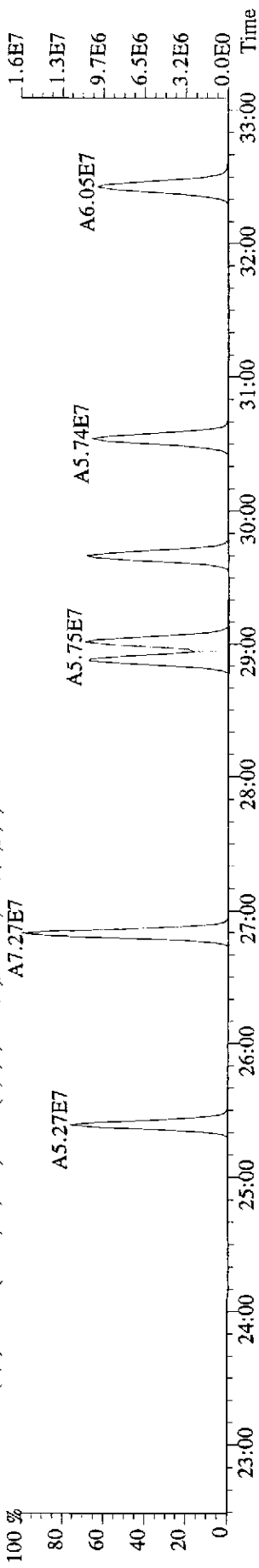
325.8804 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1152.0,0.00%,F,T)



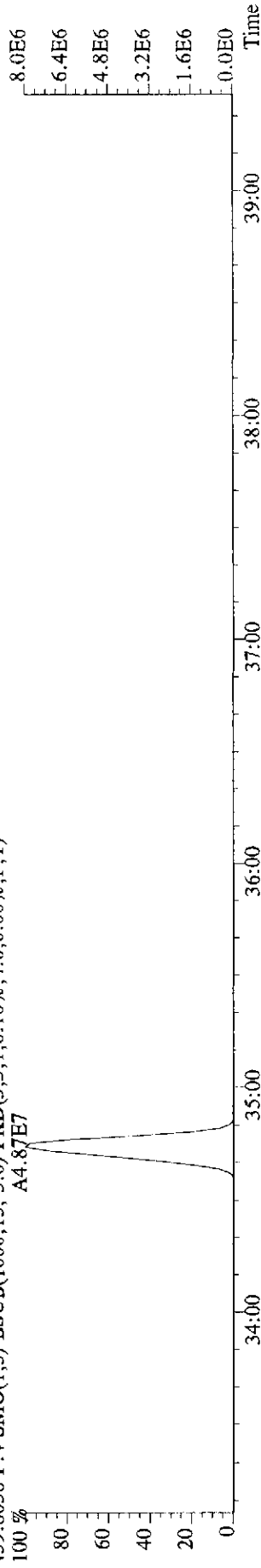
335.9236 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1844.0,0.00%,F,T)



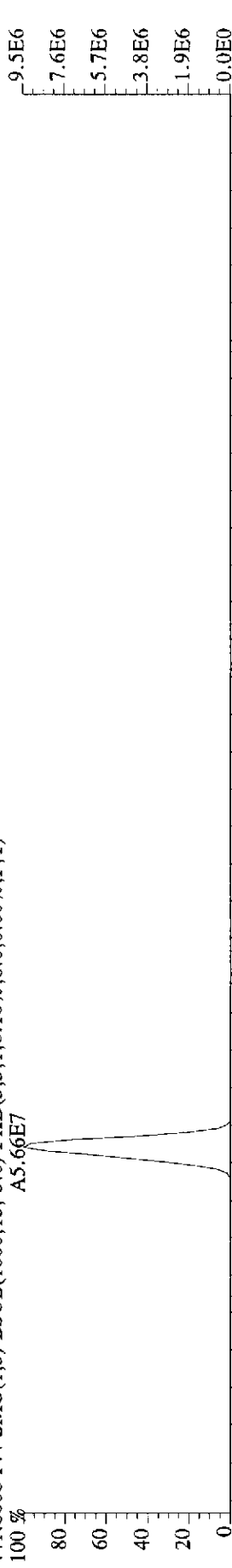
337.9207 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2084.0,0.00%,F,T)



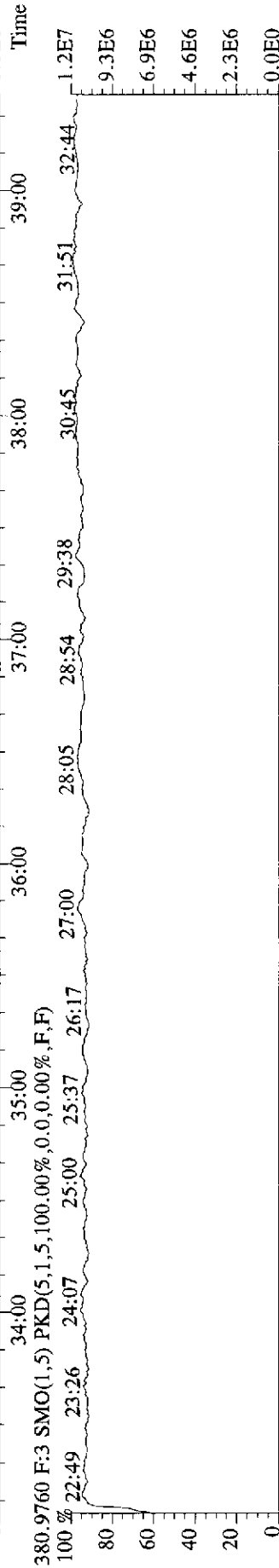
File:23JL099D5 #1-386 Acq:23-JUL-2009 16:02:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST0723 :CS3 09DXN207 Exp:209DB5  
 439.8038 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4.0,0.00%,F,T)  
 A4.87E7



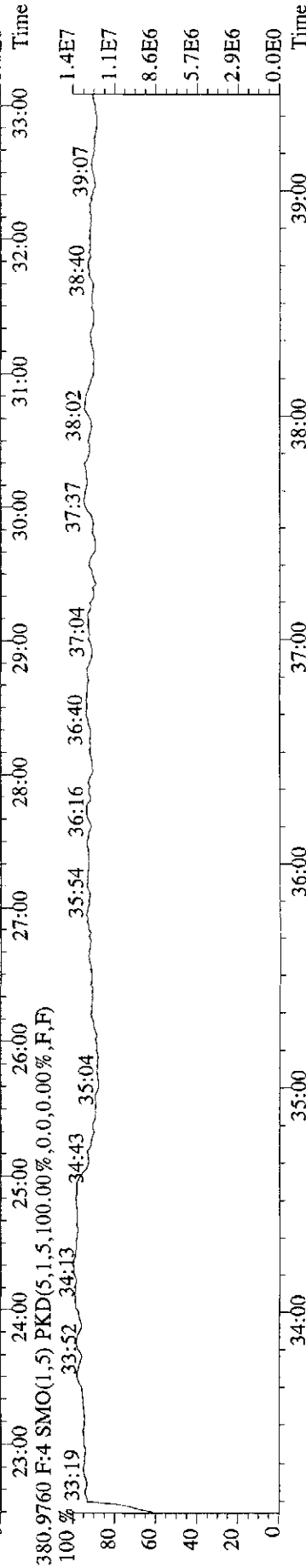
441.8008 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8.0,0.00%,F,T)  
 A5.66E7



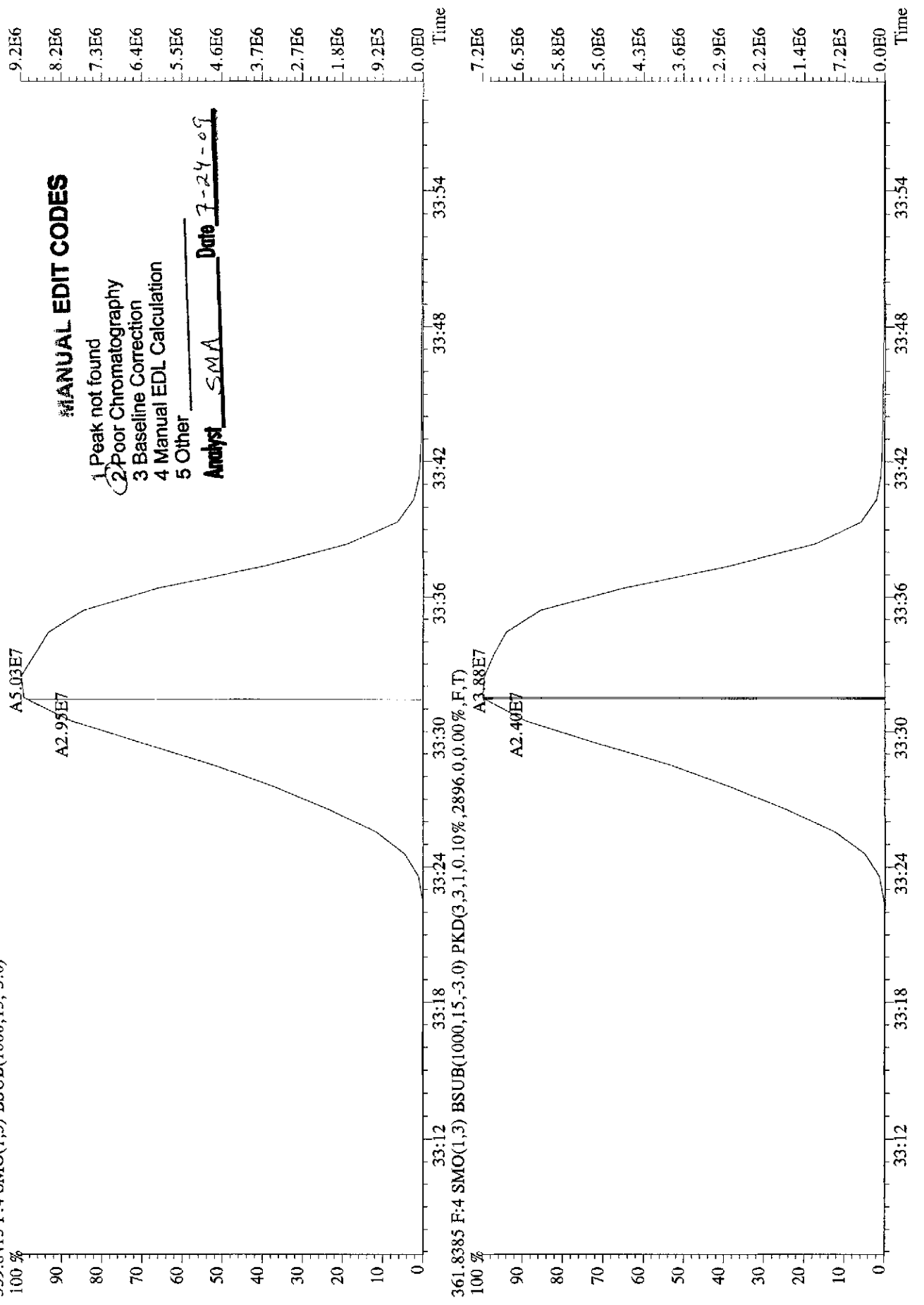
380.9760 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)



380.9760 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)

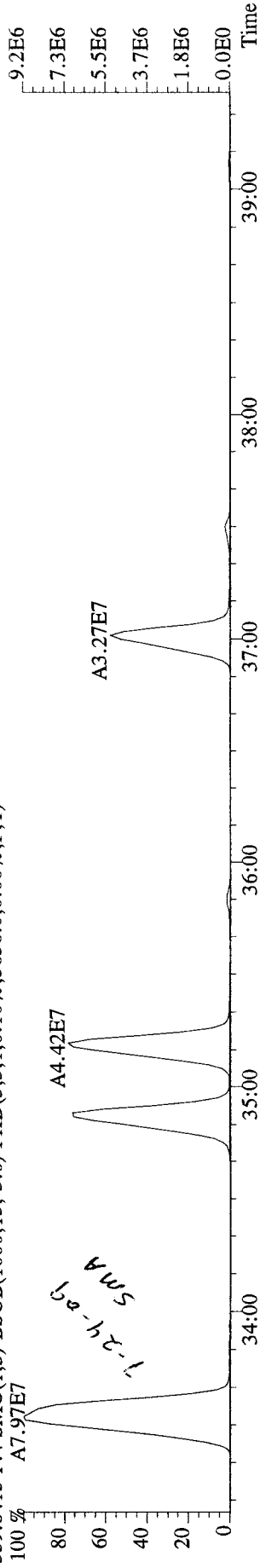


File: 23JL099D5 #1-386 Acq: 23-JUL-2009 16:02:35 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text: ST0723 : CS3 09DXN207 Exp: 209DB5  
 359.8415 F: 4 SMO(1,3) BSUB(1000,15,-3.0)

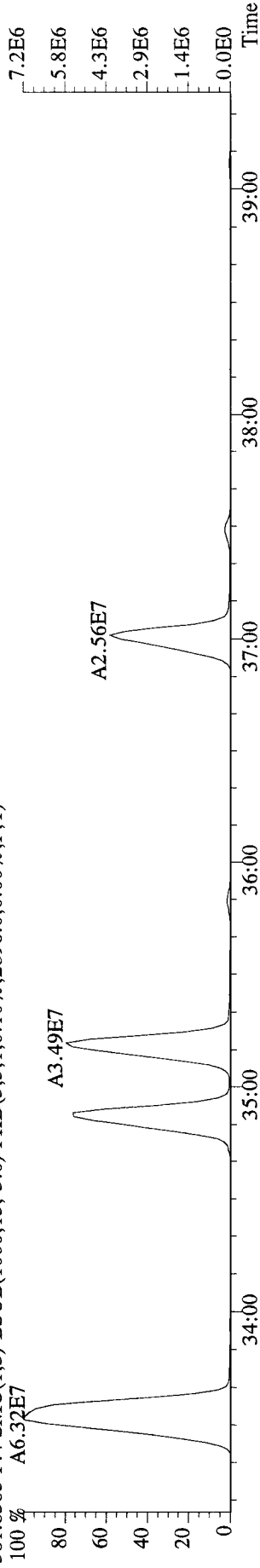


File:23JL09D5 #1-386 Acq:23-JUL-2009 16:02:35 GC EI+ Voltage SIR Autospec-UltimaE

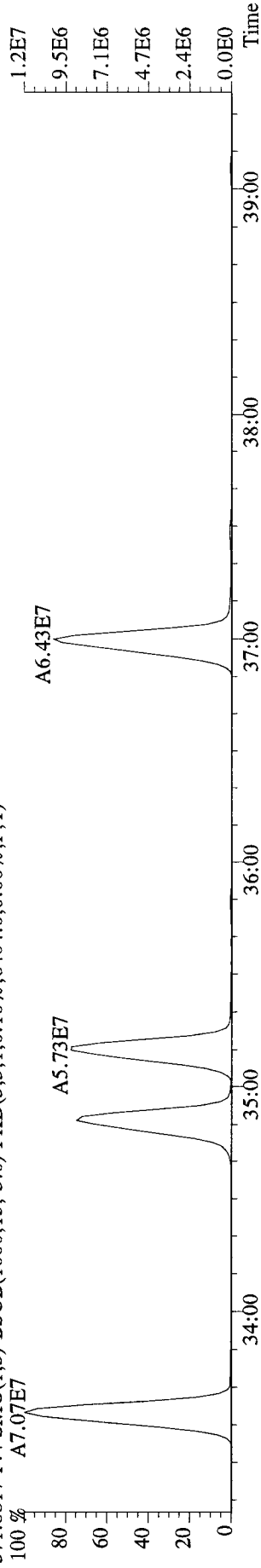
Sample#1 Text:ST0723 :CS3 09DXN207 Exp:209DB5  
359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5636.0,0.00%,F,T)



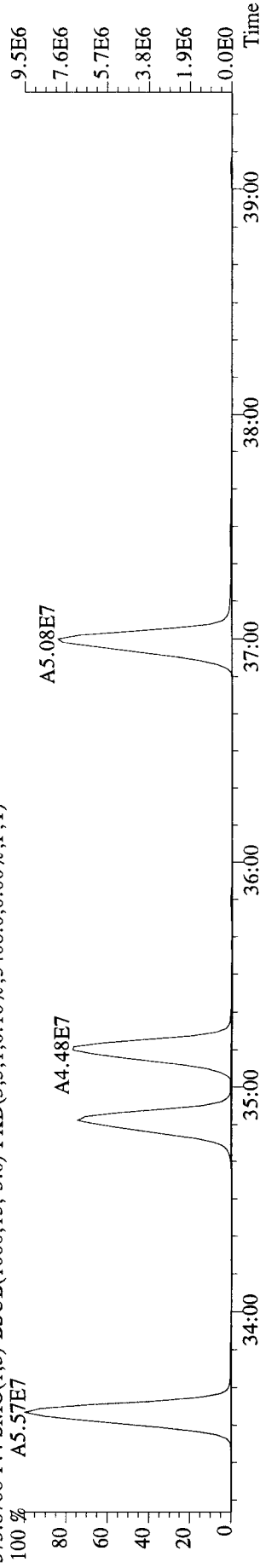
361.8385 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2896.0,0.00%,F,T)



371.8817 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6404.0,0.00%,F,T)

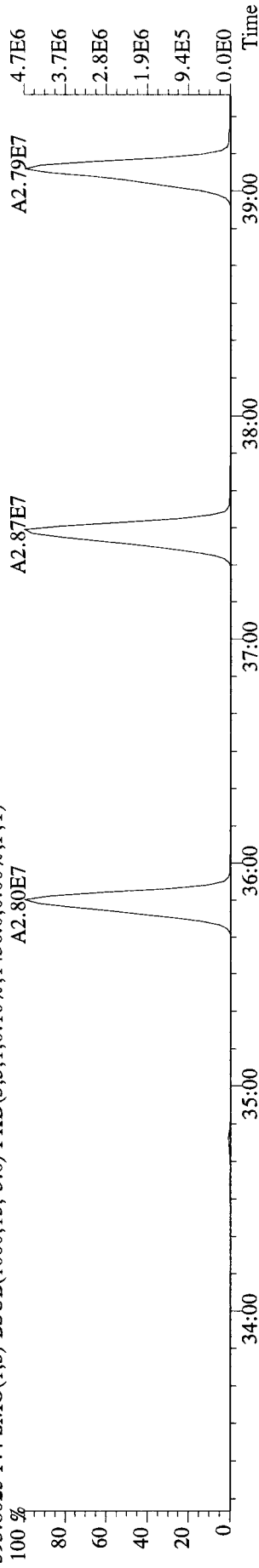


373.8788 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5408.0,0.00%,F,T)

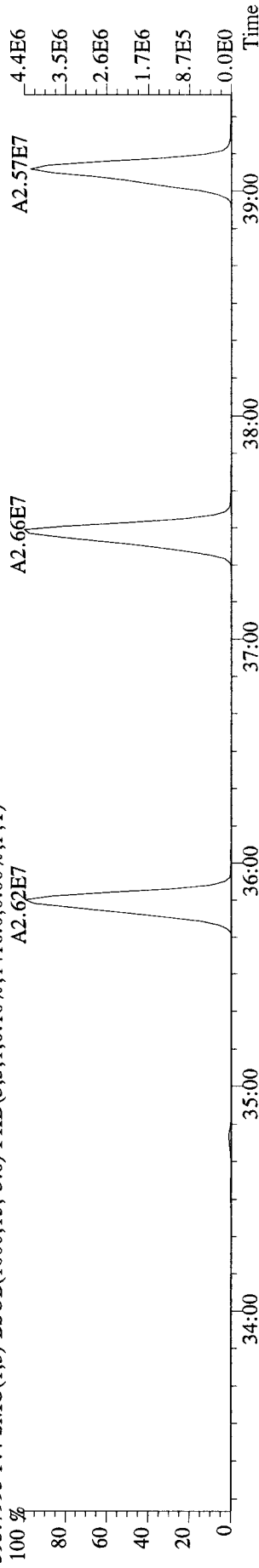


File:23JL099D5 #1-386 Acq:23-JUL-2009 16:02:35 GC EI+ Voltage SIR Autospec-UltimaE

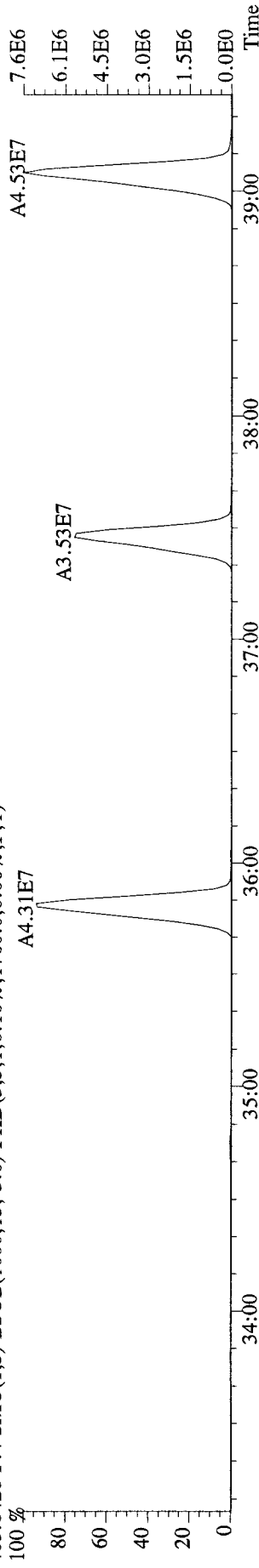
Sample#1 Text:ST0723 :CS3 09DXN207 Exp:209DB5  
393.8025 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1436.0,0.00%,F,T)



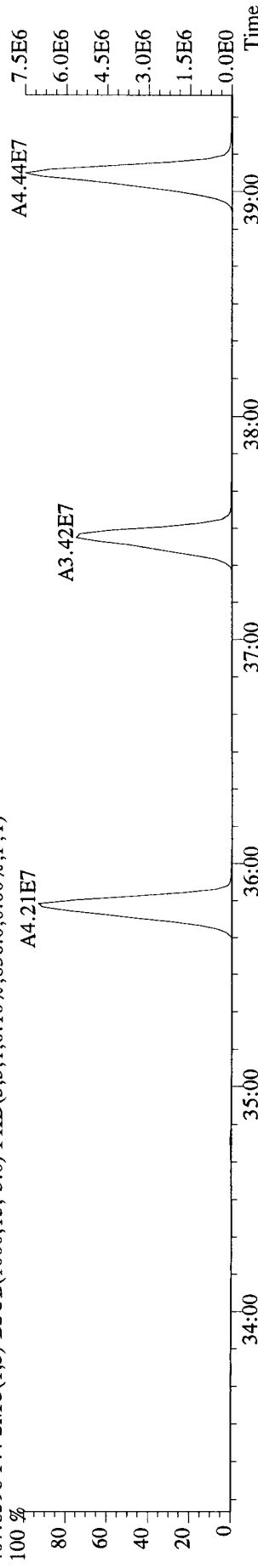
395.7995 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1416.0,0.00%,F,T)



405.8428 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1760.0,0.00%,F,T)



407.8398 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,836.0,0.00%,F,T)

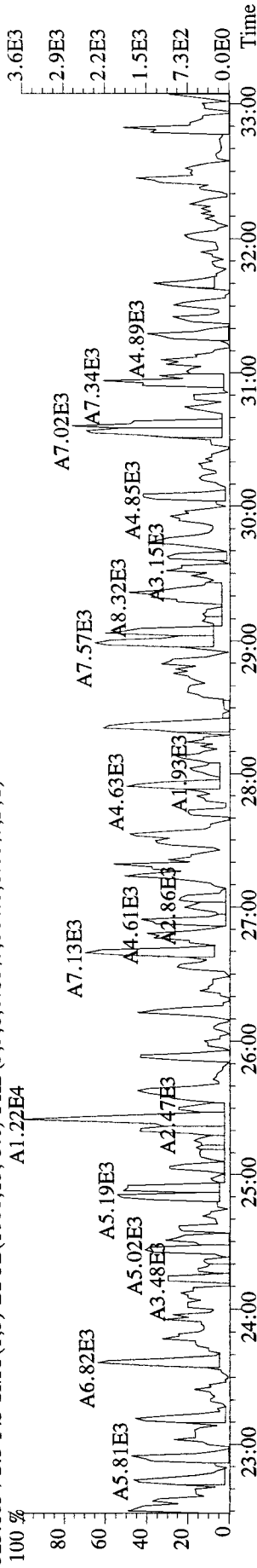




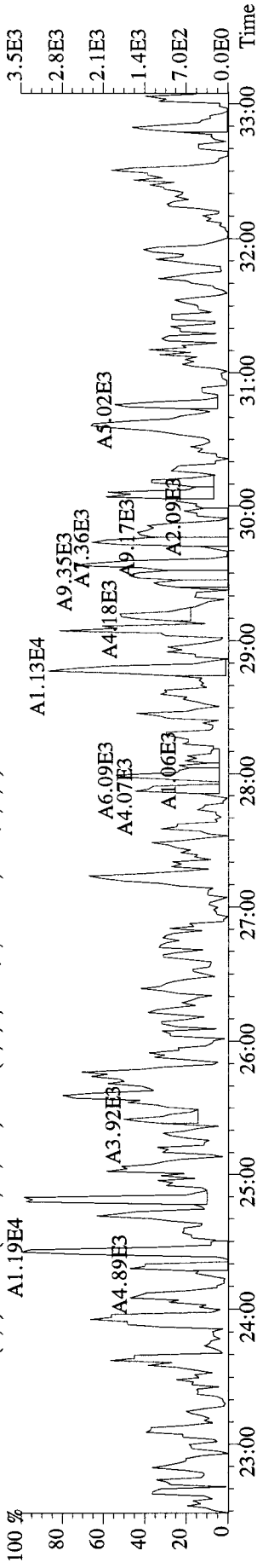


File:23JL099D5 #1-597 Acq:23-JUL-2009 17:46:12 GC EI+ Voltage SIR Autospec-UltimaE

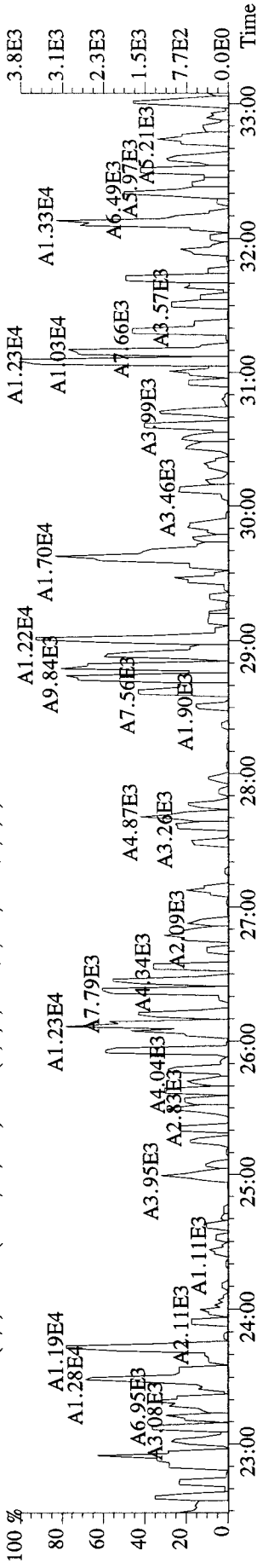
Sample#3 Text:SB0723 :Solvent Blank C-12 Exp:209DB5  
323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,864.0,0.00%,F,T)



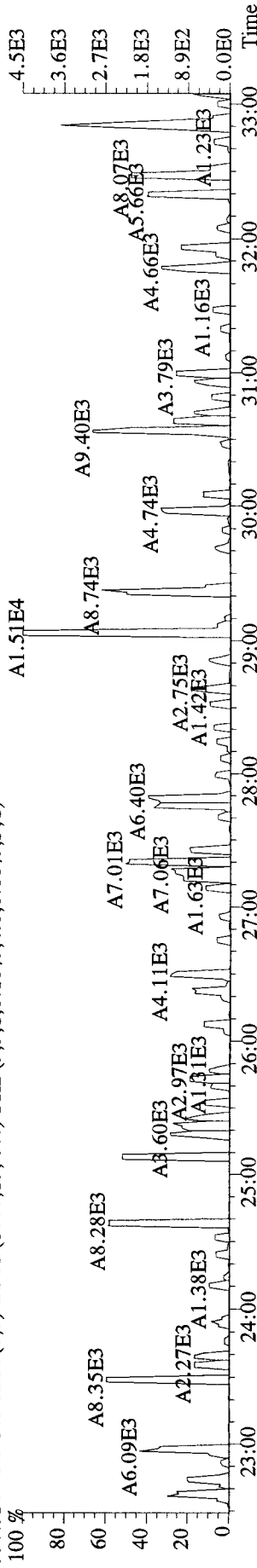
325.8804 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1096.0,0.00%,F,T)



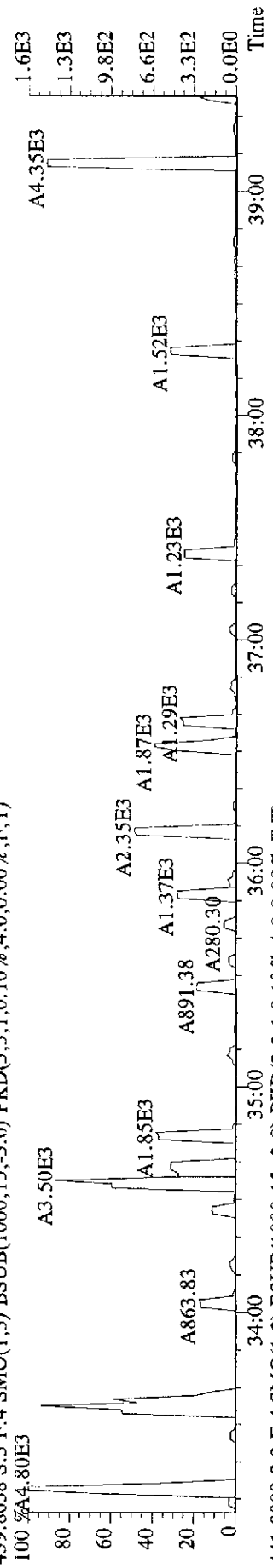
335.9236 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4.0,0.00%,F,T)



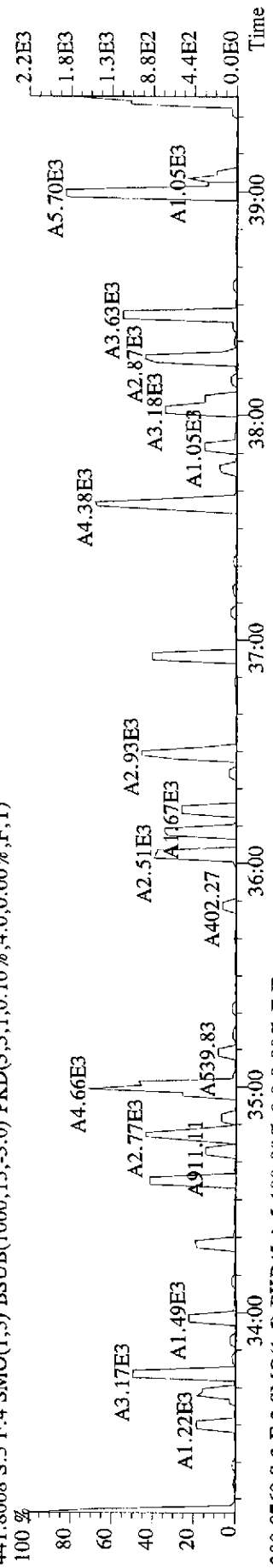
337.9207 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4.0,0.00%,F,T)



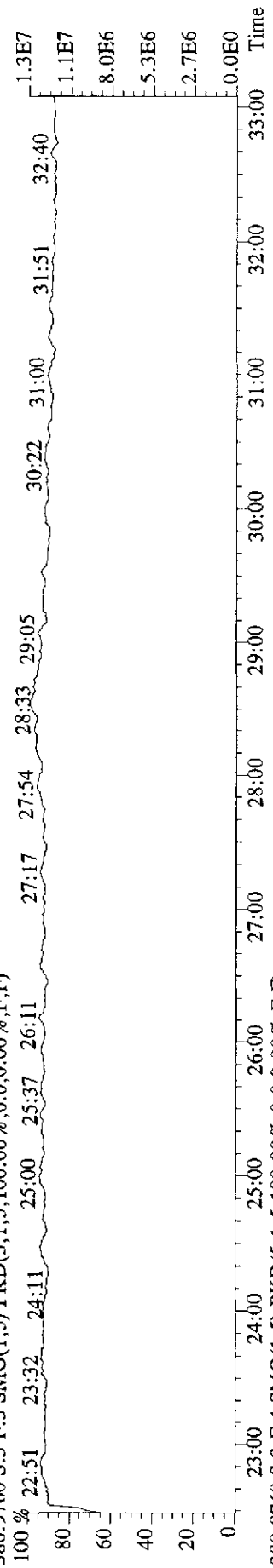
File:23JL099D5 #1-386 Acq:23-JUL-2009 17:46:12 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:SB0723 :Solvent Blank C-12 Exp:209DB5  
 439.8038 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4,0.00%,F,T)  
 100 %A4.80E3



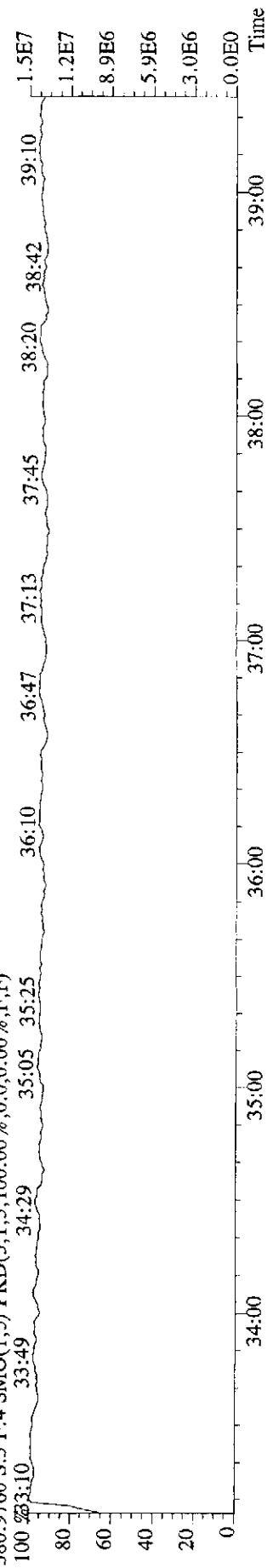
441.8008 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4,0.00%,F,T)  
 100 %



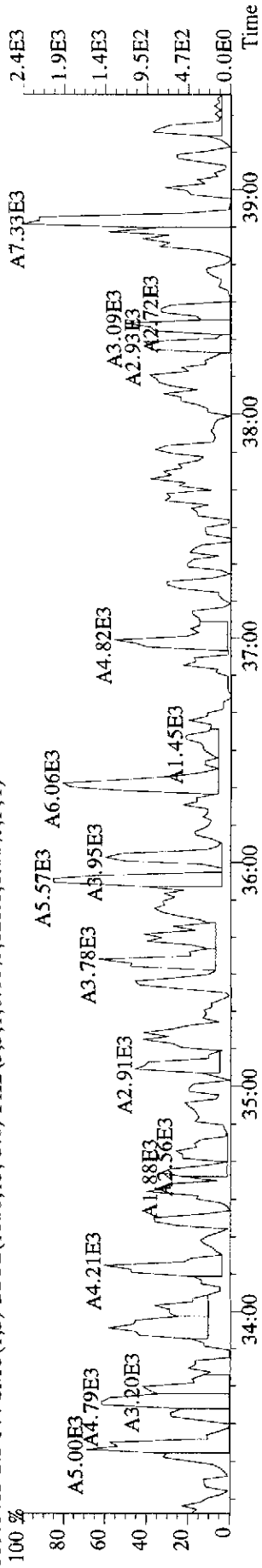
380.9760 S:3 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0.00%,F,F)  
 100 %



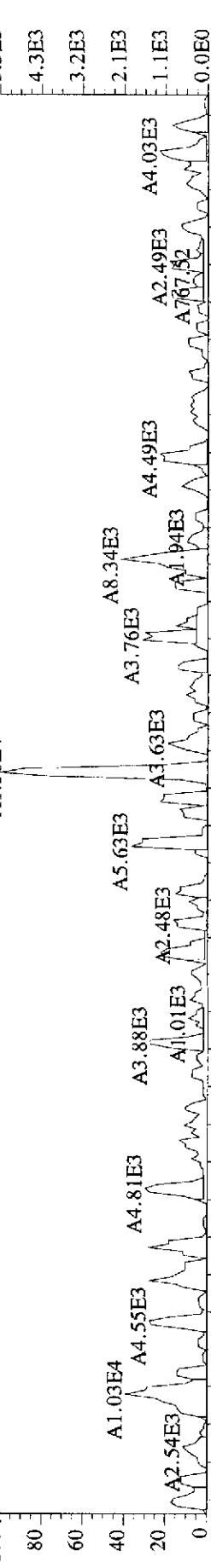
380.9760 S:3 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0.00%,F,F)  
 100 %



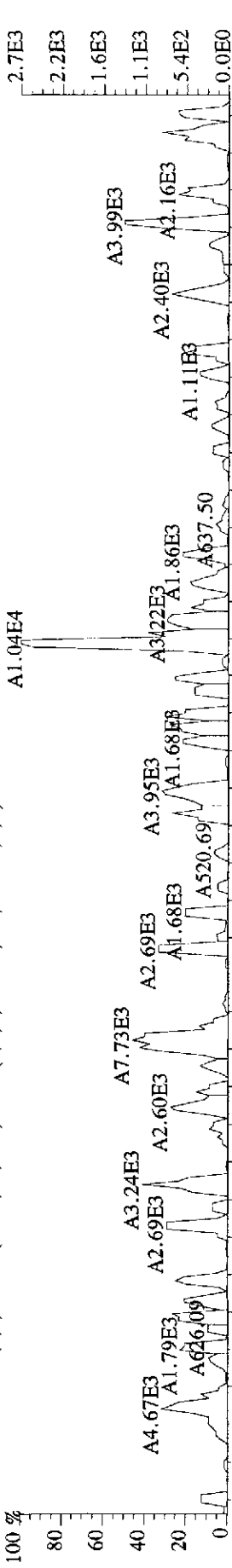
File:23JL099D5 #1-386 Acq:23-JUL-2009 17:46:12 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:SB0723 :Solvent Blank C-12 Exp:209DB5  
 359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,628.0,0.00%,F,T)



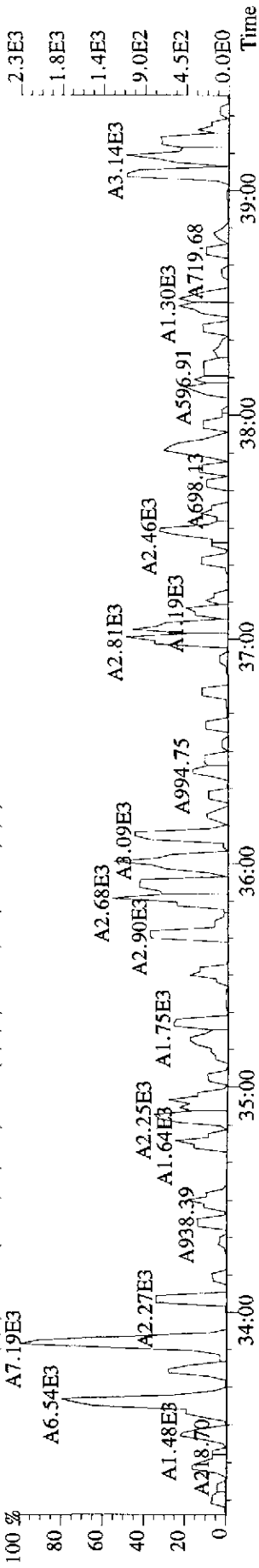
361.8385 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,464.0,0.00%,F,T)



371.8817 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,4.0,0.00%,F,T)

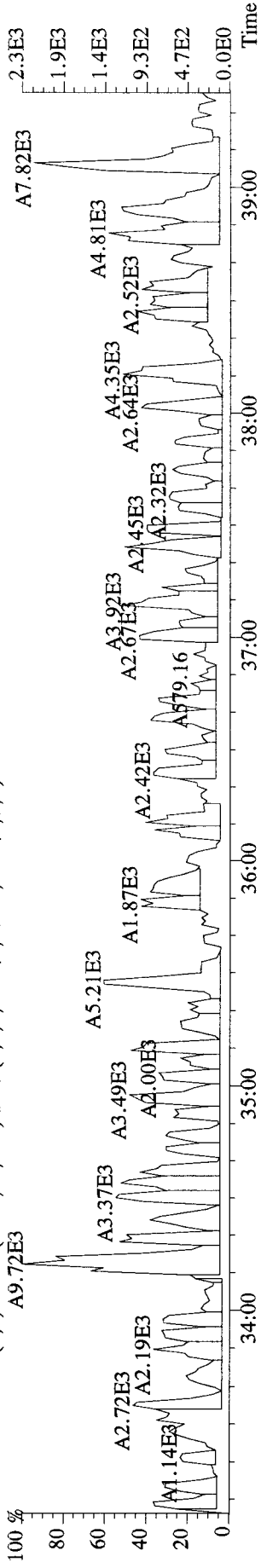


373.8788 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,4.0,0.00%,F,T)

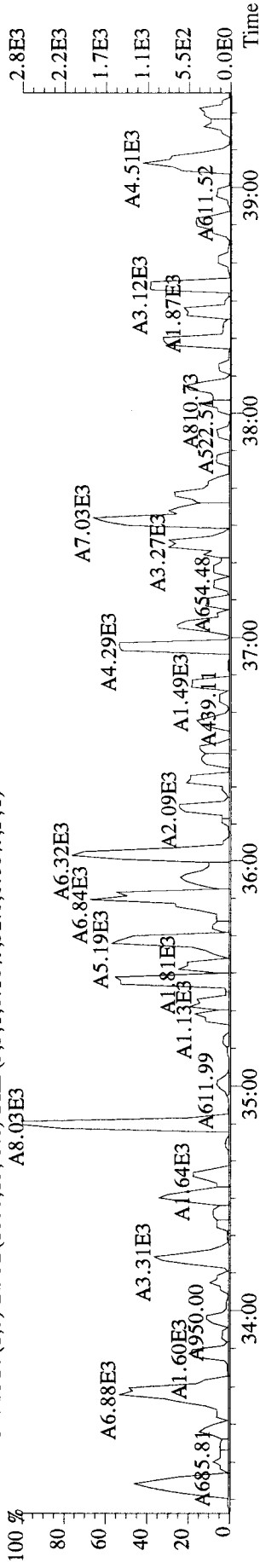


File:23JL099D5 #1-386 Acq:23-JUL-2009 17:46:12 GC EI+ Voltage SIR Autospec-UltimaE

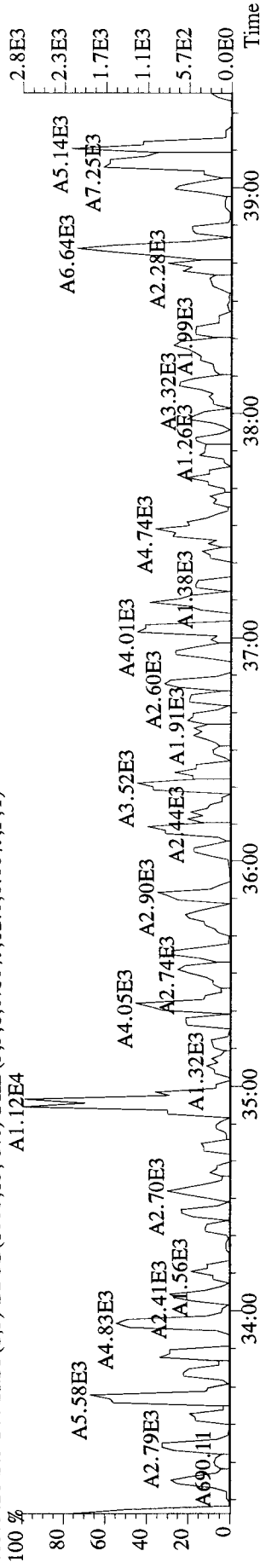
Sample#3 Text:SB0723 :Solvent Blank C-12 Exp:209DB5  
393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,324.0,0.00%,F,T)



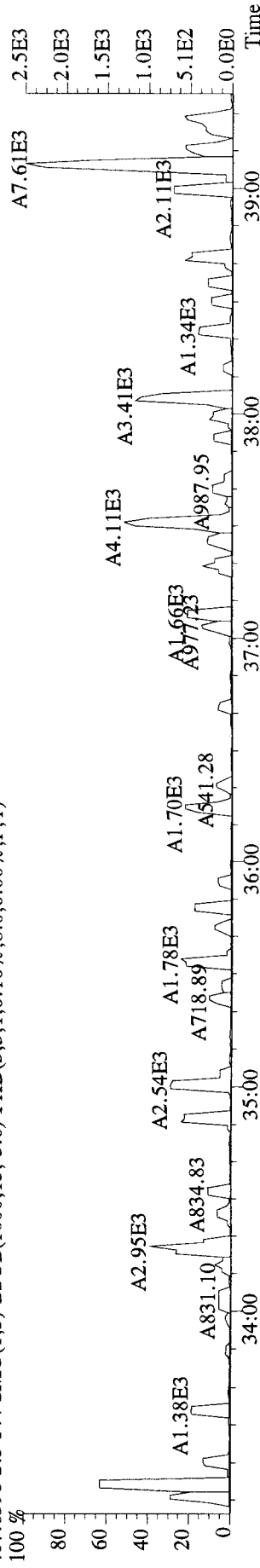
395.7995 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,32.0,0.00%,F,T)



405.8428 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,12.0,0.00%,F,T)



407.8398 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8.0,0.00%,F,T)



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID 1668MDBS, 1668MSL, 1668MSLDEC, USGS PCBs 0709099DS

Method ID 1668M Date Scanned \_\_\_\_\_

Column ID DB-S Instrument ID 9DS

STD ID's ST0709A, ST0709B, ST0709C, ST0709D, ST0709E STD Solution 09DXN207, 09DXN205, 09DXN206, 09DXN208, 09DXN209

GC Program 209DBS Multiplier Setting 4000

Analyzed By AM Date Analyzed 7-09-09

Prepared By KAS, SMA Date Prepared 7-13-09

Reviewed By M.G. Date Reviewed 7/14/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for toxic and/or window defining natives (LOC natives.). All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%; S/N ≥ 5

614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed %RSD; S/N ≥ 2.5

ST0709A : CS3 09DXN207 ST0709B : CS1 09DXN205 ST0709C : CS2 09DXN206  
 ST0709D : CS4 09DXN208 ST0709E : CS5 09DXN209

09JL09E9D509JL09E9D509JL09E9D509JL09E9D509JL09E9D509JL09E9D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-TOB-81	1.113	0.032	2.85 %	1.17	1.09	1.10	1.09	1.11
TOB-81	1.327	0.063	4.71 %	1.37	1.22	1.31	1.37	1.37
13C-TOB-77	1.162	0.038	3.26 %	1.22	1.12	1.15	1.15	1.16
TOB-77	1.173	0.030	2.52 %	1.20	1.13	1.16	1.19	1.19
13C-PeCB-123	0.968	0.038	3.88 %	1.01	0.98	0.93	0.93	0.99
PeCB-123	1.653	0.041	2.50 %	1.69	1.59	1.65	1.68	1.65
13C-PeCB-118	1.005	0.036	3.63 %	1.05	0.98	1.01	1.03	0.96
PeCB-118/106	1.645	0.053	3.19 %	1.71	1.62	1.58	1.63	1.68
13C-PeCB-114	1.026	0.024	2.39 %	1.06	1.03	1.00	1.00	1.03
PeCB-114	1.726	0.049	2.81 %	1.79	1.66	1.71	1.72	1.75
13C-PeCB-105	0.970	0.017	1.73 %	1.00	0.97	0.96	0.97	0.96
PeCB-105/127	1.529	0.030	1.93 %	1.58	1.51	1.52	1.52	1.52
13C-PeCB-126	0.996	0.030	3.04 %	1.05	0.98	0.99	0.97	0.99
PeCB-126	1.271	0.016	1.28 %	1.29	1.25	1.26	1.29	1.27
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	1.044	0.029	2.74 %	1.08	1.01	1.02	1.04	1.06
HxCB-167	1.100	0.085	7.71 %	1.18	1.13	0.95	1.12	1.12
13C-HxCB-156	0.839	0.030	3.57 %	0.89	0.81	0.83	0.82	0.85
HxCB-156	1.504	0.031	2.05 %	1.54	1.47	1.48	1.53	1.51
13C-HxCB-157	0.881	0.028	3.23 %	0.93	0.86	0.88	0.86	0.88
HxCB-157	1.495	0.027	1.80 %	1.52	1.47	1.46	1.52	1.51
13C-HxCB-169	0.918	0.036	3.91 %	0.98	0.89	0.91	0.91	0.91
HxCB-169	0.988	0.023	2.36 %	1.01	0.97	0.96	0.99	1.01
13C-HpCB-180	0.744	0.015	2.00 %	0.77	0.74	0.74	0.74	0.73
HpCB-180	1.317	0.051	3.90 %	1.33	1.40	1.27	1.28	1.30
13C-HpCB-170	0.611	0.015	2.47 %	0.64	0.60	0.61	0.59	0.61
HpCB-170/190	1.627	0.012	0.762%	1.63	1.64	1.62	1.63	1.61

13C-HpCB-189	0.762	0.022	2.85 %	0.80	0.76	0.75	0.76	0.74
HpCB-189	1.222	0.029	2.39 %	1.24	1.17	1.23	1.23	1.24
13C-PeCB-111	1.321	0.043	3.22 %	1.32	1.36	1.35	1.32	1.25



Run #2    Filename 09JL09E9D5    S: 3    I: 1  
 Acquired: 9-JUL-09    21:14:19    Processed: 10-JUL-09    09:57:19  
 Run: CAL    Analyte: 1668MSL    Cal: 1668MSL0709099D5

Comments:

Sample text: ST0709B :CS1 09DXN205

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	187491000	0.64 y	25:23	-	100.00 n
13C-TCB-81	204824200	0.80 y	26:57	1.0924	100.00 n
TCB-81	2508230	0.76 y	26:58	1.2246	1.00 n
13C-TCB-77	209592100	0.79 y	27:30	1.1179	100.00 n
TCB-77	2360990	0.78 y	27:31	1.1265	1.00 n
13C-PeCB-123	182836700	0.66 y	28:53	0.9752	100.00 n
PeCB-123	2904570	0.57 y	28:55	1.5886	1.00 n
13C-PeCB-118	182835600	0.65 y	29:02	0.9752	100.00 n
PeCB-118/106	2955870	0.59 y	29:03	1.6167	1.00 n
13C-PeCB-114	193232700	0.66 y	29:40	1.0306	100.00 n
PeCB-114	3200210	0.60 y	29:41	1.6561	1.00 n
13C-PeCB-105	181006900	0.65 y	30:34	0.9654	100.00 n
PeCB-105/127	2724760	0.60 y	30:35	1.5053	1.00 n
13C-PeCB-126	183971000	0.66 y	32:27	0.9812	100.00 n
PeCB-126	2307006	0.63 y	32:28	1.2540	1.00 n
13C-OcCB-202	216904000	0.87 y	34:46	-	100.00 n
13C-HxCB-167	219410800	1.26 y	33:34	1.0116	100.00 n
HxCB-167	2473960	1.31 y	33:35	1.1275	1.00 y
13C-HxCB-156	175995900	1.29 y	34:52	0.8114	100.00 n
HxCB-156	2580620	1.25 y	34:53	1.4663	1.00 n
13C-HxCB-157	186617700	1.25 y	35:11	0.8604	100.00 n
HxCB-157	2743240	1.20 y	35:12	1.4700	1.00 n
13C-HxCB-169	191991000	1.29 y	37:00	0.8851	100.00 n
HxCB-169	1854354	1.21 y	37:01	0.9659	1.00 n
13C-HpCB-180	160472500	1.05 y	35:49	0.7398	100.00 n
HpCB-180	2245100	1.12 y	35:51	1.3991	1.00 n
13C-HpCB-170	131129800	1.05 y	37:28	0.6046	100.00 n
HpCB-170/190	2155061	1.17 y	37:29	1.6435	1.00 n
13C-HpCB-189	165456200	1.04 y	39:05	0.7628	100.00 n
HpCB-189	1937453	1.04 y	39:06	1.1710	1.00 n
13C-PeCB-111	251683600	0.65 y	26:50	1.3621	100.00 n

Run #2 Filename 09JL09E9D5 S: 3 I: 1  
 Acquired: 9-JUL-09 21:14:19 Processed: 14-JUL-09 08:29:54  
 Run: 09JL09E9D5 Analyte: 1668MSL Cal: 1668MSL0709099D5  
 Comments:  
 Sample text: ST0709B :CS1 09DXN205

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	187491000	0.64 y	25:23	-	100.00 n
13C-TCB-81	204824200	0.80 y	26:57	1.0924	100.00 n
TCB-81	2508230	0.76 y	26:58	1.2246	1.00 n
13C-TCB-77	209592100	0.79 y	27:30	1.1179	100.00 n
TCB-77	2360990	0.78 y	27:31	1.1265	1.00 n
13C-PeCB-123	182836700	0.66 y	28:53	0.9752	100.00 n
PeCB-123	2904570	0.57 y	28:55	1.5886	1.00 n
13C-PeCB-118	182835600	0.65 y	29:02	0.9752	100.00 n
PeCB-118/106	2955870	0.59 y	29:03	1.6167	1.00 n
13C-PeCB-114	193232700	0.66 y	29:40	1.0306	100.00 n
PeCB-114	3200210	0.60 y	29:41	1.6561	1.00 n
13C-PeCB-105	181006900	0.65 y	30:34	0.9654	100.00 n
PeCB-105/127	2724760	0.60 y	30:35	1.5053	1.00 n
13C-PeCB-126	183971000	0.66 y	32:27	0.9812	100.00 n
PeCB-126	2307006	0.63 y	32:28	1.2540	1.00 n
13C-OcCB-202	216904000	0.87 y	34:46	-	100.00 n
13C-HxCB-167	219410800	1.26 y	33:34	1.0116	100.00 n
HxCB-167	4767440	1.26 y	33:35	2.1728	1.00 n
13C-HxCB-156	175995900	1.29 y	34:52	0.8114	100.00 n
HxCB-156	2580620	1.25 y	34:53	1.4663	1.00 n
13C-HxCB-157	186617700	1.25 y	35:11	0.8604	100.00 n
HxCB-157	2743240	1.20 y	35:12	1.4700	1.00 n
13C-HxCB-169	191991000	1.29 y	37:00	0.8851	100.00 n
HxCB-169	1854355	1.21 y	37:01	0.9659	1.00 n
13C-HpCB-180	160472500	1.05 y	35:49	0.7398	100.00 n
HpCB-180	2245100	1.12 y	35:51	1.3991	1.00 n
13C-HpCB-170	131129800	1.05 y	37:28	0.6046	100.00 n
HpCB-170/190	2155061	1.17 y	37:29	1.6435	1.00 n
13C-HpCB-189	165456200	1.04 y	39:05	0.7628	100.00 n
HpCB-189	1937453	1.04 y	39:06	1.1710	1.00 n
13C-PeCB-111	251683600	0.65 y	26:50	1.3621	100.00 n

Run #3 Filename 09JL09E9D5 S: 4 I: 1  
 Acquired: 9-JUL-09 22:05:42 Processed: 10-JUL-09 09:57:19  
 Run: CAL Analyte: 1668MSL Cal: 1668MSL0709099D5

Comments:

Sample text: ST0709C :CS2 09DXN206

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	207462200	0.66 y	25:23	-	100.00 n
13C-TCB-81	228133500	0.78 y	26:56	1.0996	100.00 n
TCB-81	14940210	0.79 y	26:56	1.3098	5.00 n
13C-TCB-77	238902000	0.79 y	27:29	1.1515	100.00 n
TCB-77	13911730	0.84 y	27:30	1.1646	5.00 n
13C-PeCB-123	191935000	0.67 y	28:53	0.9252	100.00 n
PeCB-123	15803590	0.63 y	28:54	1.6468	5.00 n
13C-PeCB-118	210414800	0.66 y	29:00	1.0142	100.00 n
PeCB-118/106	16664040	0.57 y	29:01	1.5839	5.00 n
13C-PeCB-114	207529700	0.66 y	29:39	1.0003	100.00 n
PeCB-114	17782980	0.64 y	29:40	1.7138	5.00 n
13C-PeCB-105	198992000	0.66 y	30:32	0.9592	100.00 n
PeCB-105/127	15101560	0.59 y	30:33	1.5178	5.00 n
13C-PeCB-126	204401000	0.64 y	32:25	0.9852	100.00 n
PeCB-126	12850040	0.58 y	32:26	1.2573	5.00 n
13C-OcCB-202	223252000	0.86 y	34:44	-	100.00 n
13C-HxCB-167	228034000	1.26 y	33:32	1.0214	100.00 n
HxCB-167	10882910	1.29 y	33:32	0.9545	5.00 y
13C-HxCB-156	184795300	1.28 y	34:51	0.8277	100.00 n
HxCB-156	13659770	1.26 y	34:52	1.4784	5.00 n
13C-HxCB-157	196777400	1.26 y	35:10	0.8814	100.00 n
HxCB-157	14388740	1.23 y	35:11	1.4624	5.00 n
13C-HxCB-169	202590300	1.26 y	36:59	0.9075	100.00 n
HxCB-169	9734290	1.24 y	37:00	0.9610	5.00 n
13C-HpCB-180	165184200	1.04 y	35:48	0.7399	100.00 n
HpCB-180	10520050	1.11 y	35:49	1.2737	5.00 n
13C-HpCB-170	136135200	1.05 y	37:28	0.6098	100.00 n
HpCB-170/190	11055640	1.10 y	37:29	1.6242	5.00 n
13C-HpCB-189	167212800	1.06 y	39:04	0.7490	100.00 n
HpCB-189	10301030	1.10 y	39:05	1.2321	5.00 n
13C-PeCB-111	274130000	0.66 y	26:49	1.3527	100.00 n

Run #3 Filename 09JL09E9D5 S: 4 I: 1  
 Acquired: 9-JUL-09 22:05:42 Processed: 14-JUL-09 08:29:55  
 Run: 09JL09E9D5 Analyte: 1668MSL Cal: 1668MSL0709099D5  
 Comments:  
 Sample text: ST0709C :CS2 09DXN206

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	207462200	0.66 y	25:23	-	100.00	n
13C-TCB-81	228133500	0.78 y	26:56	1.0996	100.00	n
TCB-81	14940210	0.79 y	26:56	1.3098	5.00	n
13C-TCB-77	238902000	0.79 y	27:29	1.1515	100.00	n
TCB-77	13911730	0.84 y	27:30	1.1646	5.00	n
13C-PeCB-123	191935000	0.67 y	28:53	0.9252	100.00	n
PeCB-123	15803590	0.63 y	28:54	1.6468	5.00	n
13C-PeCB-118	210414800	0.66 y	29:00	1.0142	100.00	n
PeCB-118/106	16664040	0.57 y	29:01	1.5839	5.00	n
13C-PeCB-114	207529700	0.66 y	29:39	1.0003	100.00	n
PeCB-114	17782980	0.64 y	29:40	1.7138	5.00	n
13C-PeCB-105	198992000	0.66 y	30:32	0.9592	100.00	n
PeCB-105/127	15101560	0.59 y	30:33	1.5178	5.00	n
13C-PeCB-126	204401000	0.64 y	32:25	0.9852	100.00	n
PeCB-126	12850040	0.58 y	32:26	1.2573	5.00	n
13C-OcCB-202	223252000	0.86 y	34:44	-	100.00	n
13C-HxCB-167	228034000	1.26 y	33:32	1.0214	100.00	n
HxCB-167	24974600	1.28 y	33:31	2.1904	5.00	n
13C-HxCB-156	184795300	1.28 y	34:51	0.8277	100.00	n
HxCB-156	13659770	1.26 y	34:52	1.4784	5.00	n
13C-HxCB-157	196777400	1.26 y	35:10	0.8814	100.00	n
HxCB-157	14388740	1.23 y	35:11	1.4624	5.00	n
13C-HxCB-169	202590300	1.26 y	36:59	0.9075	100.00	n
HxCB-169	9734290	1.24 y	37:00	0.9610	5.00	n
13C-HpCB-180	165184200	1.04 y	35:48	0.7399	100.00	n
HpCB-180	10520050	1.11 y	35:49	1.2737	5.00	n
13C-HpCB-170	136135200	1.05 y	37:28	0.6098	100.00	n
HpCB-170/190	11055640	1.10 y	37:29	1.6242	5.00	n
13C-HpCB-189	167212800	1.06 y	39:04	0.7490	100.00	n
HpCB-189	10301030	1.10 y	39:05	1.2321	5.00	n
13C-PeCB-111	274130000	0.66 y	26:49	1.3527	100.00	n

Run #1 Filename 09JL09E9D5 S: 2 I: 1  
 Acquired: 9-JUL-09 20:19:51 Processed: 10-JUL-09 09:57:18  
 Run: CAL Analyte: 1668MSL Cal: 1668MSL0709099D5

Comments:

Sample text: ST0709A :CS3 09DXN207

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	226039300	0.66 y	25:24	-	100.00	n
13C-TCB-81	264132000	0.78 y	26:57	1.1685	100.00	n
TCB-81	180860900	0.80 y	26:58	1.3695	50.00	n
13C-TCB-77	276256000	0.79 y	27:31	1.2222	100.00	n
TCB-77	166170600	0.78 y	27:32	1.2030	50.00	n
13C-PeCB-123	228800300	0.65 y	28:53	1.0122	100.00	n
PeCB-123	193776000	0.61 y	28:54	1.6938	50.00	n
13C-PeCB-118	236235700	0.65 y	29:01	1.0451	100.00	n
PeCB-118/106	202462700	0.61 y	29:02	1.7141	50.00	n
13C-PeCB-114	239821200	0.66 y	29:41	1.0610	100.00	n
PeCB-114	214438200	0.61 y	29:41	1.7883	50.00	n
13C-PeCB-105	225879700	0.66 y	30:33	0.9993	100.00	n
PeCB-105/127	178551200	0.61 y	30:34	1.5809	50.00	n
13C-PeCB-126	237005100	0.65 y	32:26	1.0485	100.00	n
PeCB-126	152477800	0.62 y	32:27	1.2867	50.00	n
13C-OcCB-202	250799000	0.87 y	34:45	-	100.00	n
13C-HxCB-167	271269000	1.27 y	33:34	1.0816	100.00	n
HxCB-167	159770600	1.30 y	33:33	1.1780	50.00	y
13C-HxCB-156	222283300	1.27 y	34:51	0.8863	100.00	n
HxCB-156	170991200	1.26 y	34:52	1.5385	50.00	n
13C-HxCB-157	232827000	1.25 y	35:11	0.9283	100.00	n
HxCB-157	176379400	1.26 y	35:12	1.5151	50.00	n
13C-HxCB-169	245633000	1.26 y	37:00	0.9794	100.00	n
HxCB-169	124151100	1.27 y	37:01	1.0109	50.00	n
13C-HpCB-180	192843600	1.06 y	35:49	0.7689	100.00	n
HpCB-180	128521000	1.09 y	35:50	1.3329	50.00	n
13C-HpCB-170	159376500	1.06 y	37:29	0.6355	100.00	n
HpCB-170/190	129956100	1.07 y	37:30	1.6308	50.00	n
13C-HpCB-189	200204000	1.06 y	39:05	0.7983	100.00	n
HpCB-189	124506100	1.09 y	39:06	1.2438	50.00	n
13C-PeCB-111	308503000	0.65 y	26:50	1.3209	100.00	n

Run #1    Filename 09JL09E9D5    S: 2    I: 1  
 Acquired: 9-JUL-09    20:19:51    Processed: 14-JUL-09    08:29:53  
 Run: 09JL09E9D5    Analyte: 1668MSL    Cal: 1668MSL0709099D5  
 Comments:

Sample text: ST0709A :CS3 09DXN207

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	226039300	0.66 y	25:24	-	100.00 n
13C-TCB-81	264132000	0.78 y	26:57	1.1685	100.00 n
TCB-81	180860900	0.80 y	26:58	1.3695	50.00 n
13C-TCB-77	276256000	0.79 y	27:31	1.2222	100.00 n
TCB-77	166170600	0.78 y	27:32	1.2030	50.00 n
13C-PeCB-123	228800300	0.65 y	28:53	1.0122	100.00 n
PeCB-123	193776000	0.61 y	28:54	1.6938	50.00 n
13C-PeCB-118	236235700	0.65 y	29:01	1.0451	100.00 n
PeCB-118/106	202462700	0.61 y	29:02	1.7141	50.00 n
13C-PeCB-114	239821200	0.66 y	29:41	1.0610	100.00 n
PeCB-114	214438200	0.61 y	29:41	1.7883	50.00 n
13C-PeCB-105	225879700	0.66 y	30:33	0.9993	100.00 n
PeCB-105/127	178551200	0.61 y	30:34	1.5809	50.00 n
13C-PeCB-126	237005100	0.65 y	32:26	1.0485	100.00 n
PeCB-126	152477800	0.62 y	32:27	1.2867	50.00 n
13C-OcCB-202	250799000	0.87 y	34:45	-	100.00 n
13C-HxCB-167	271269000	1.27 y	33:34	1.0816	100.00 n
HxCB-167	312613000	1.26 y	33:33	2.3048	50.00 n
13C-HxCB-156	222283300	1.27 y	34:51	0.8863	100.00 n
HxCB-156	170991200	1.26 y	34:52	1.5385	50.00 n
13C-HxCB-157	232827000	1.25 y	35:11	0.9283	100.00 n
HxCB-157	176379400	1.26 y	35:12	1.5151	50.00 n
13C-HxCB-169	245633000	1.26 y	37:00	0.9794	100.00 n
HxCB-169	124151200	1.27 y	37:01	1.0109	50.00 n
13C-HpCB-180	192843600	1.06 y	35:49	0.7689	100.00 n
HpCB-180	128521000	1.09 y	35:50	1.3329	50.00 n
13C-HpCB-170	159376500	1.06 y	37:29	0.6355	100.00 n
HpCB-170/190	129956100	1.07 y	37:30	1.6308	50.00 n
13C-HpCB-189	200204000	1.06 y	39:05	0.7983	100.00 n
HpCB-189	124506100	1.09 y	39:06	1.2438	50.00 n
13C-PeCB-111	308503000	0.65 y	26:50	1.3209	100.00 n

Run #4    Filename 09JL09E9D5    S: 5    I: 1  
 Acquired: 9-JUL-09    22:57:05    Processed: 10-JUL-09    09:57:20  
 Run: CAL    Analyte: 1668MSL    Cal: 1668MSL0709099D5  
 Comments:

Sample text: ST0709D :CS4 09DXN208

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	214062800	0.66 y	25:23	-	100.00	n
13C-TCB-81	234317000	0.80 y	26:56	1.0946	100.00	n
TCB-81	640295000	0.80 y	26:57	1.3663	200.00	n
13C-TCB-77	247167000	0.79 y	27:30	1.1546	100.00	n
TCB-77	587359000	0.81 y	27:31	1.1882	200.00	n
13C-PeCB-123	199781800	0.65 y	28:53	0.9333	100.00	n
PeCB-123	672994000	0.64 y	28:54	1.6843	200.00	n
13C-PeCB-118	220731700	0.66 y	29:00	1.0312	100.00	n
PeCB-118/106	718720000	0.57 y	29:01	1.6280	200.00	n
13C-PeCB-114	215002400	0.66 y	29:40	1.0044	100.00	n
PeCB-114	741082000	0.61 y	29:41	1.7234	200.00	n
13C-PeCB-105	207140300	0.67 y	30:32	0.9677	100.00	n
PeCB-105/127	629670000	0.61 y	30:33	1.5199	200.00	n
13C-PeCB-126	208163800	0.64 y	32:25	0.9724	100.00	n
PeCB-126	536743000	0.61 y	32:26	1.2892	200.00	n
13C-OcCB-202	231064000	0.87 y	34:44	-	100.00	n
13C-HxCB-167	241187000	1.26 y	33:33	1.0438	100.00	n
HxCB-167	538006000	1.27 y	33:33	1.1153	200.00	y
13C-HxCB-156	189445300	1.27 y	34:51	0.8199	100.00	n
HxCB-156	578009000	1.27 y	34:52	1.5255	200.00	n
13C-HxCB-157	198163100	1.26 y	35:10	0.8576	100.00	n
HxCB-157	602297000	1.26 y	35:11	1.5197	200.00	n
13C-HxCB-169	209599200	1.28 y	36:59	0.9071	100.00	n
HxCB-169	416321000	1.28 y	37:00	0.9931	200.00	n
13C-HpCB-180	170937900	1.05 y	35:48	0.7398	100.00	n
HpCB-180	437872000	1.08 y	35:49	1.2808	200.00	n
13C-HpCB-170	137374400	1.05 y	37:28	0.5945	100.00	n
HpCB-170/190	447451000	1.09 y	37:29	1.6286	200.00	n
13C-HpCB-189	174661800	1.06 y	39:04	0.7559	100.00	n
HpCB-189	428508000	1.07 y	39:05	1.2267	200.00	n
13C-PeCB-111	276836000	0.65 y	26:49	1.3172	100.00	n

Run #4 Filename 09JL09E9D5 S: 5 I: 1  
 Acquired: 9-JUL-09 22:57:05 Processed: 14-JUL-09 08:29:56  
 Run: 09JL09E9D5 Analyte: 1668MSL Cal: 1668MSL0709099D5  
 Comments:

Sample text: ST0709D :CS4 09DXN208

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	214062800	0.66 y	25:23	-	100.00 n
13C-TCB-81	234317000	0.80 y	26:56	1.0946	100.00 n
TCB-81	640295000	0.80 y	26:57	1.3663	200.00 n
13C-TCB-77	247167000	0.79 y	27:30	1.1546	100.00 n
TCB-77	587359000	0.81 y	27:31	1.1882	200.00 n
13C-PeCB-123	199781800	0.65 y	28:53	0.9333	100.00 n
PeCB-123	672994000	0.64 y	28:54	1.6843	200.00 n
13C-PeCB-118	220731700	0.66 y	29:00	1.0312	100.00 n
PeCB-118/106	718720000	0.57 y	29:01	1.6280	200.00 n
13C-PeCB-114	215002400	0.66 y	29:40	1.0044	100.00 n
PeCB-114	741082000	0.61 y	29:41	1.7234	200.00 n
13C-PeCB-105	207140300	0.67 y	30:32	0.9677	100.00 n
PeCB-105/127	629670000	0.61 y	30:33	1.5199	200.00 n
13C-PeCB-126	208163800	0.64 y	32:25	0.9724	100.00 n
PeCB-126	536743000	0.61 y	32:26	1.2892	200.00 n
13C-OcCB-202	231064000	0.87 y	34:44	-	100.00 n
13C-HxCB-167	241187000	1.26 y	33:33	1.0438	100.00 n
HxCB-167	1077601000	1.25 y	33:32	2.2340	200.00 n
13C-HxCB-156	189445300	1.27 y	34:51	0.8199	100.00 n
HxCB-156	578009000	1.27 y	34:52	1.5255	200.00 n
13C-HxCB-157	198163100	1.26 y	35:10	0.8576	100.00 n
HxCB-157	602297000	1.26 y	35:11	1.5197	200.00 n
13C-HxCB-169	209599200	1.28 y	36:59	0.9071	100.00 n
HxCB-169	416321000	1.28 y	37:00	0.9931	200.00 n
13C-HpCB-180	170937900	1.05 y	35:48	0.7398	100.00 n
HpCB-180	437872000	1.08 y	35:49	1.2808	200.00 n
13C-HpCB-170	137374400	1.05 y	37:28	0.5945	100.00 n
HpCB-170/190	447451000	1.09 y	37:29	1.6286	200.00 n
13C-HpCB-189	174661800	1.06 y	39:04	0.7559	100.00 n
HpCB-189	428508000	1.07 y	39:05	1.2267	200.00 n
13C-PeCB-111	276836000	0.65 y	26:49	1.3172	100.00 n



Run #5    Filename 09JL09E9D5    S: 6    I: 1  
 Acquired: 9-JUL-09    23:48:27    Processed: 10-JUL-09    09:57:21  
 Run: CAL    Analyte: 1668MSL    Cal: 1668MSL0709099D5  
 Comments:

Sample text: ST0709E :CS5 09DXN209

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	222349100	0.67 y	25:24	-	100.00 n
13C-TCB-81	246610000	0.80 y	26:56	1.1091	100.00 n
TCB-81	1684135000	0.79 y	26:57	1.3658	500.00 n
13C-TCB-77	258265000	0.80 y	27:29	1.1615	100.00 n
TCB-77	1530272000	0.78 y	27:30	1.1850	500.00 n
13C-PeCB-123	220642600	0.66 y	28:53	0.9923	100.00 n
PeCB-123	1823315000	0.61 y	28:54	1.6527	500.00 n
13C-PeCB-118	213402400	0.66 y	29:01	0.9598	100.00 n
PeCB-118/106	1795936000	0.61 y	29:01	1.6831	500.00 n
13C-PeCB-114	229301100	0.67 y	29:39	1.0313	100.00 n
PeCB-114	2004461000	0.61 y	29:40	1.7483	500.00 n
13C-PeCB-105	213217900	0.67 y	30:32	0.9589	100.00 n
PeCB-105/127	1623908000	0.61 y	30:33	1.5232	500.00 n
13C-PeCB-126	220623900	0.65 y	32:25	0.9922	100.00 n
PeCB-126	1398581000	0.61 y	32:26	1.2678	500.00 n
13C-OcCB-202	238997000	0.87 y	34:44	-	100.00 n
13C-HxCB-167	253689000	1.26 y	33:32	1.0615	100.00 n
HxCB-167	1423751000	1.26 y	33:32	1.1224	500.00 y
13C-HxCB-156	202904700	1.27 y	34:50	0.8490	100.00 n
HxCB-156	1533504000	1.25 y	34:52	1.5116	500.00 n
13C-HxCB-157	209295100	1.26 y	35:10	0.8757	100.00 n
HxCB-157	1579345000	1.26 y	35:11	1.5092	500.00 n
13C-HxCB-169	217549000	1.28 y	36:59	0.9103	100.00 n
HxCB-169	1096488000	1.26 y	37:00	1.0080	500.00 n
13C-HpCB-180	174359100	1.07 y	35:48	0.7295	100.00 n
HpCB-180	1131363000	1.09 y	35:49	1.2977	500.00 n
13C-HpCB-170	146145800	1.07 y	37:28	0.6115	100.00 n
HpCB-170/190	1175838000	1.07 y	37:29	1.6091	500.00 n
13C-HpCB-189	177568900	1.06 y	39:04	0.7430	100.00 n
HpCB-189	1097805000	1.09 y	39:05	1.2365	500.00 n
13C-PeCB-111	275070000	0.65 y	26:49	1.2535	100.00 n

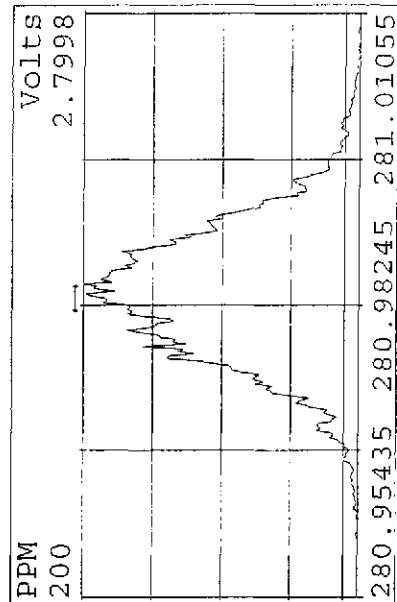
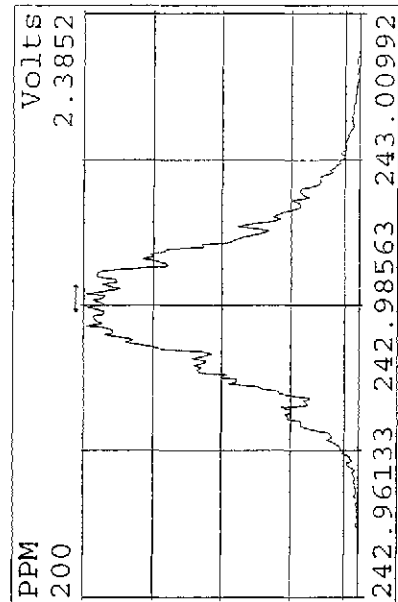
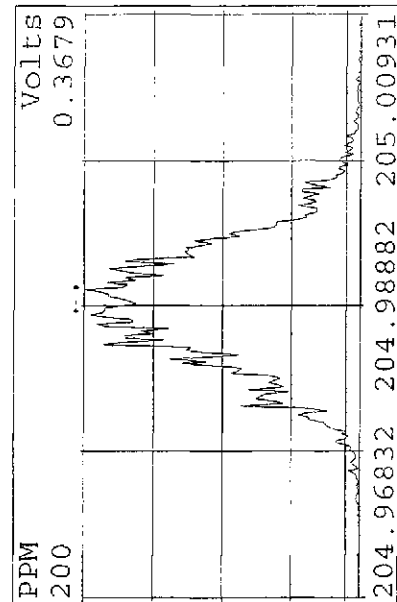
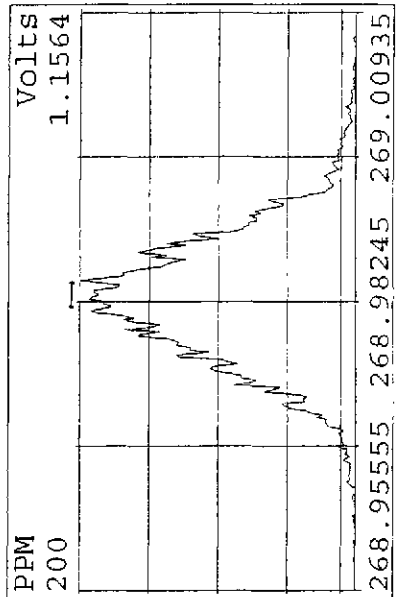
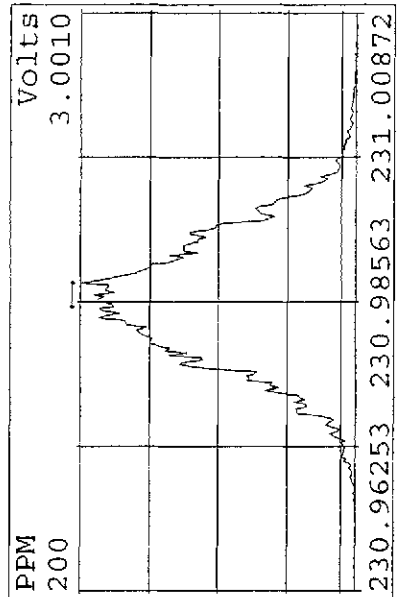
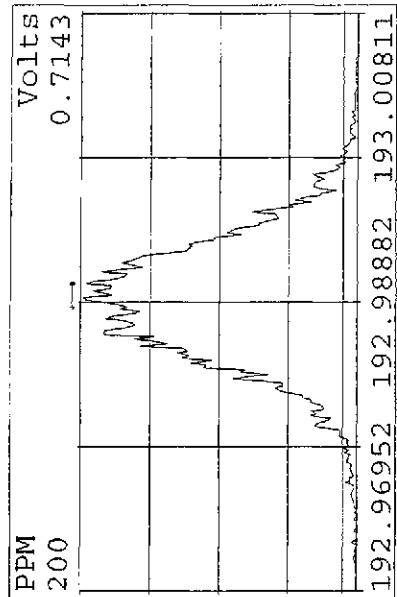
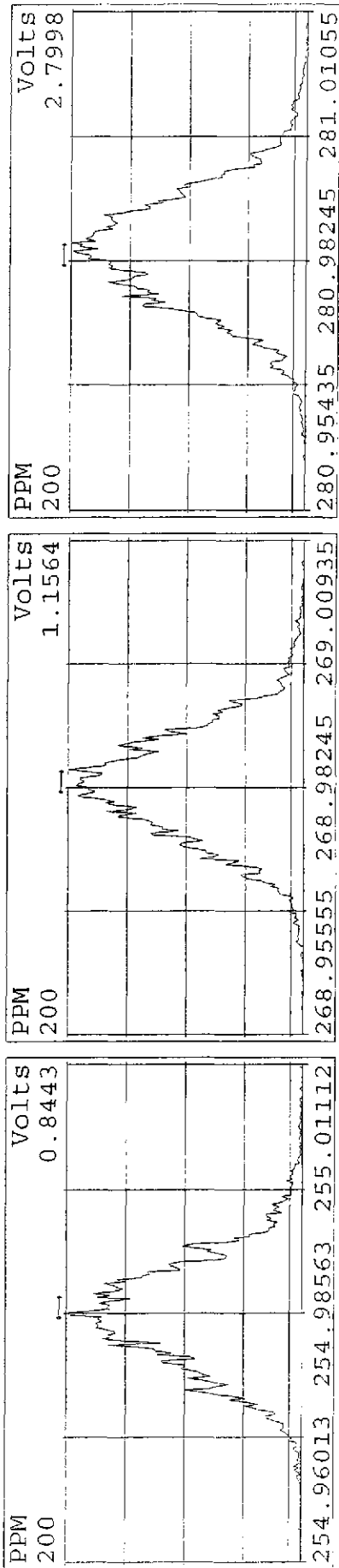
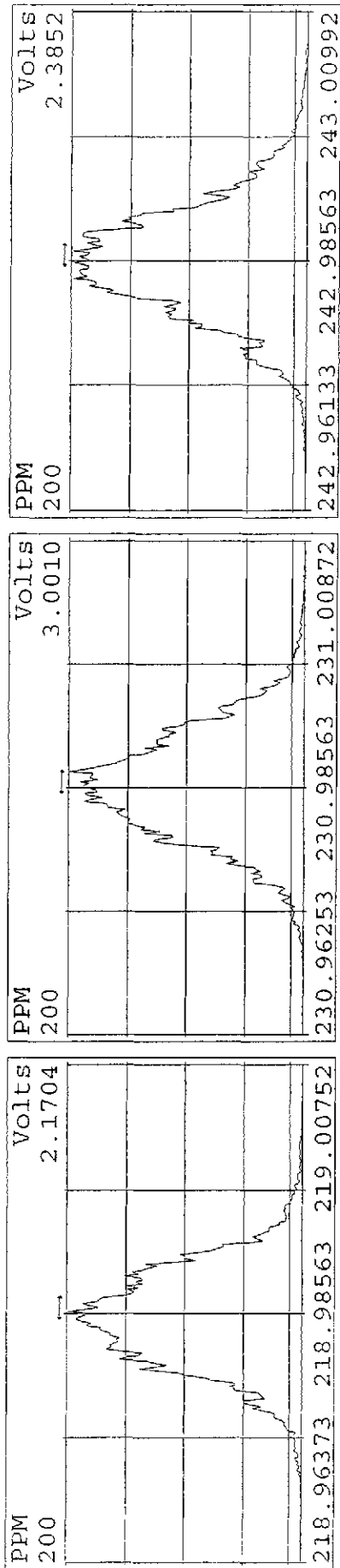
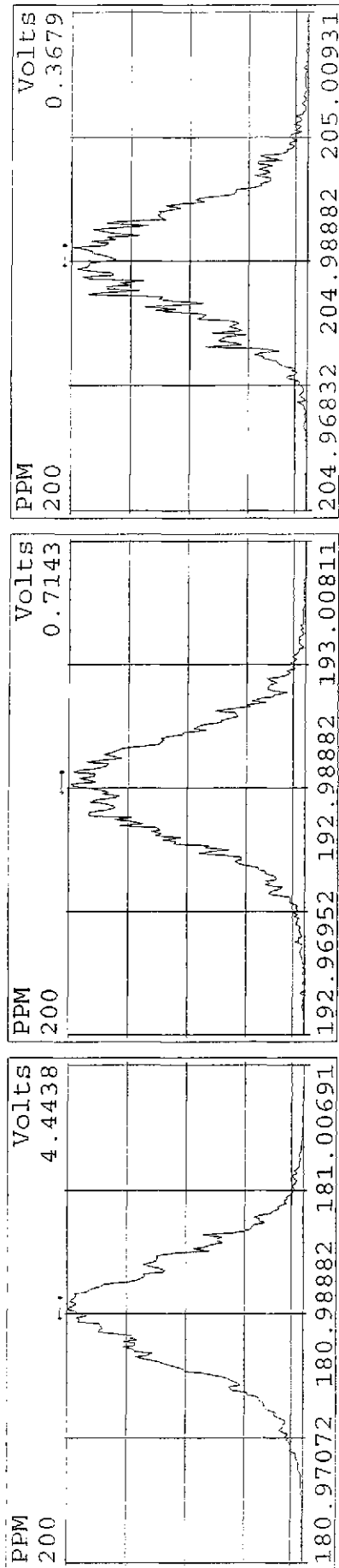
Run #5    Filename 09JL09E9D5    S: 6    I: 1  
 Acquired: 9-JUL-09    23:48:27    Processed: 14-JUL-09    08:29:57  
 Run: 09JL09E9D5    Analyte: 1668MSL    Cal: 1668MSL0709099D5  
 Comments:

Sample text: ST0709E :CS5 09DXN209

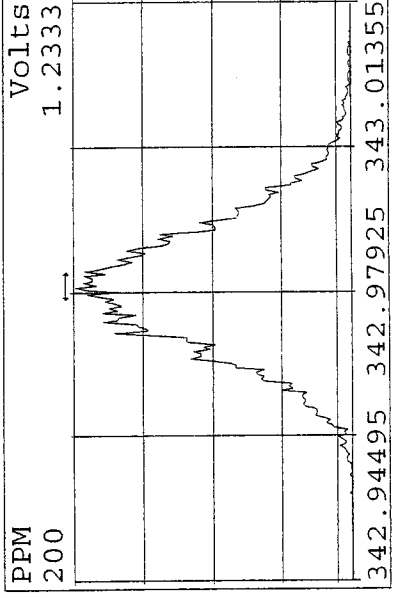
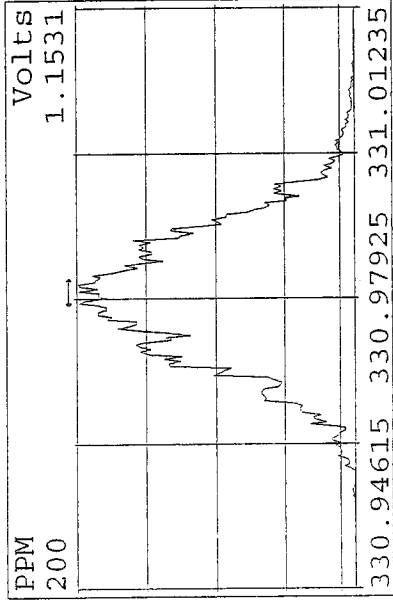
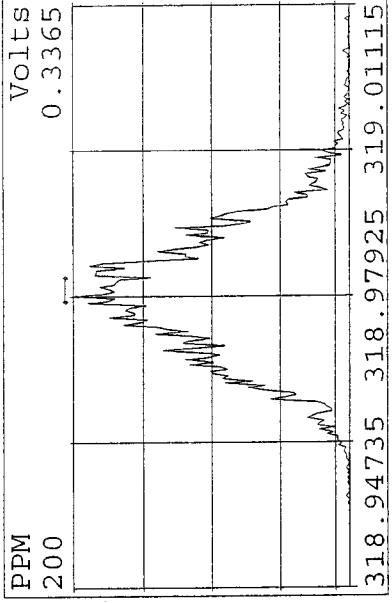
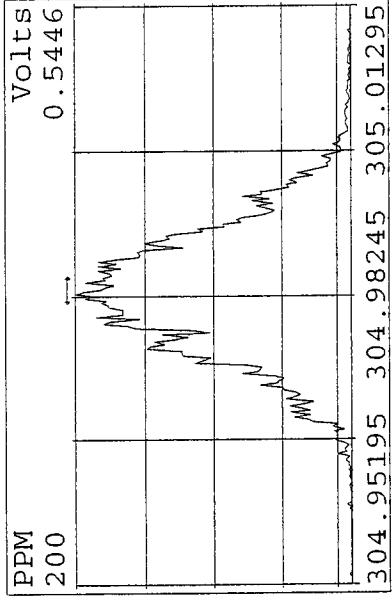
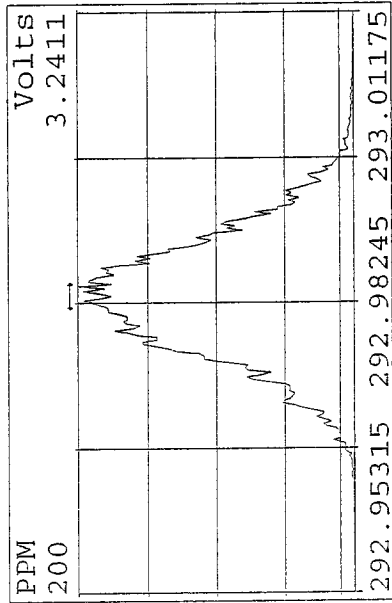
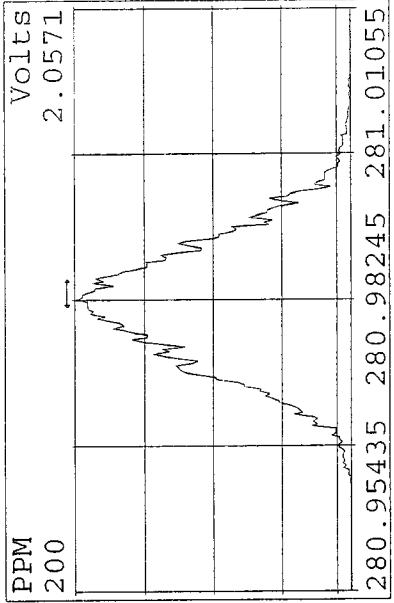
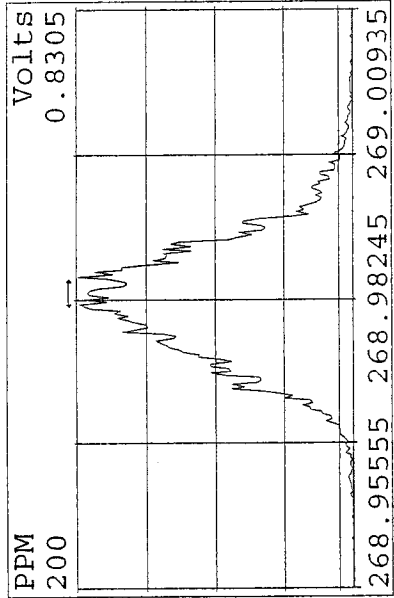
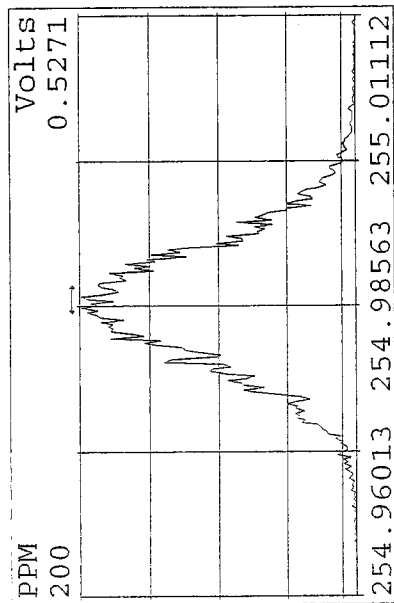
Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	222349100	0.67 y	25:24	-	100.00	n
13C-TCB-81	246610000	0.80 y	26:56	1.1091	100.00	n
TCB-81	1684135000	0.79 y	26:57	1.3658	500.00	n
13C-TCB-77	258265000	0.80 y	27:29	1.1615	100.00	n
TCB-77	1530272000	0.78 y	27:30	1.1850	500.00	n
13C-PeCB-123	220642600	0.66 y	28:53	0.9923	100.00	n
PeCB-123	1823315000	0.61 y	28:54	1.6527	500.00	n
13C-PeCB-118	213402400	0.66 y	29:01	0.9598	100.00	n
PeCB-118/106	1795936000	0.61 y	29:01	1.6831	500.00	n
13C-PeCB-114	229301100	0.67 y	29:39	1.0313	100.00	n
PeCB-114	2004461000	0.61 y	29:40	1.7483	500.00	n
13C-PeCB-105	213217900	0.67 y	30:32	0.9589	100.00	n
PeCB-105/127	1623908000	0.61 y	30:33	1.5232	500.00	n
13C-PeCB-126	220623900	0.65 y	32:25	0.9922	100.00	n
PeCB-126	1398581000	0.61 y	32:26	1.2678	500.00	n
13C-OcCB-202	238997000	0.87 y	34:44	-	100.00	n
13C-HxCB-167	253689000	1.26 y	33:32	1.0615	100.00	n
HxCB-167	2827930000	1.24 y	33:31	2.2294	500.00	n
13C-HxCB-156	202904700	1.27 y	34:50	0.8490	100.00	n
HxCB-156	1533504000	1.25 y	34:52	1.5116	500.00	n
13C-HxCB-157	209295100	1.26 y	35:10	0.8757	100.00	n
HxCB-157	1579345000	1.26 y	35:11	1.5092	500.00	n
13C-HxCB-169	217549000	1.28 y	36:59	0.9103	100.00	n
HxCB-169	1096487000	1.26 y	37:00	1.0080	500.00	n
13C-HpCB-180	174359100	1.07 y	35:48	0.7295	100.00	n
HpCB-180	1131363000	1.09 y	35:49	1.2977	500.00	n
13C-HpCB-170	146145800	1.07 y	37:28	0.6115	100.00	n
HpCB-170/190	1175838000	1.07 y	37:29	1.6091	500.00	n
13C-HpCB-189	177568900	1.06 y	39:04	0.7430	100.00	n
HpCB-189	1097805000	1.09 y	39:05	1.2365	500.00	n
13C-PeCB-111	275070000	0.65 y	26:49	1.2535	100.00	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
09JL09E9D5	1	ST0709	CS3 09DXN207				1.00000	
09JL09E9D5	2	ST0709A	CS3 09DXN207				1.00000	
09JL09E9D5	3	ST0709B	CS1 09DXN205				1.00000	
09JL09E9D5	4	ST0709C	CS2 09DXN206				1.00000	
09JL09E9D5	5	ST0709D	CS4 09DXN208				1.00000	
09JL09E9D5	6	ST0709E	CS5 09DXN209				1.00000	
09JL09E9D5	7	SB0709	Solvent Blank C-12				1.00000	
09JL09E9D5	8	ST0709F	209PCB 09DXN196				1.00000	
09JL09E9D5	9	QCIS070909	IS QC 09DXN226	20	1668	QC50	1.00000	
09JL09E9D5	10	ST0709G	CS3 09DXN207				1.00000	
09JL09E9D5	11	SB0709A	Solvent Blank C-12				1.00000	
09JL09E9D5	12	LF6TW-1-AA	G9G080000-296B	20	1668/WATER	85	1.00000	L
09JL09E9D5	13	LF6TW-1-AC	G9G080000-296C	20	1668/WATER		1.00000	L
09JL09E9D5	14	LDR0G-2-AA	G9E270192-1RX	20	1668/WATER		0.99610	L
09JL09E9D5	15	LDR0M-2-AA	G9E270192-2RX	20	1668/WATER		1.00090	L
09JL09E9D5	16	LFL5D-1-AC	G9F250260-1	20	1668/SOLID	84	10.06500	g
09JL09E9D5	17						1.00000	
09JL09E9D5	18						1.00000	
09JL09E9D5	19						1.00000	
09JL09E9D5	20						1.00000	
09JL09E9D5	21						1.00000	
09JL09E9D5	22						1.00000	
09JL09E9D5	23		AM 07-09-09				1.00000	
09JL09E9D5	24						1.00000	

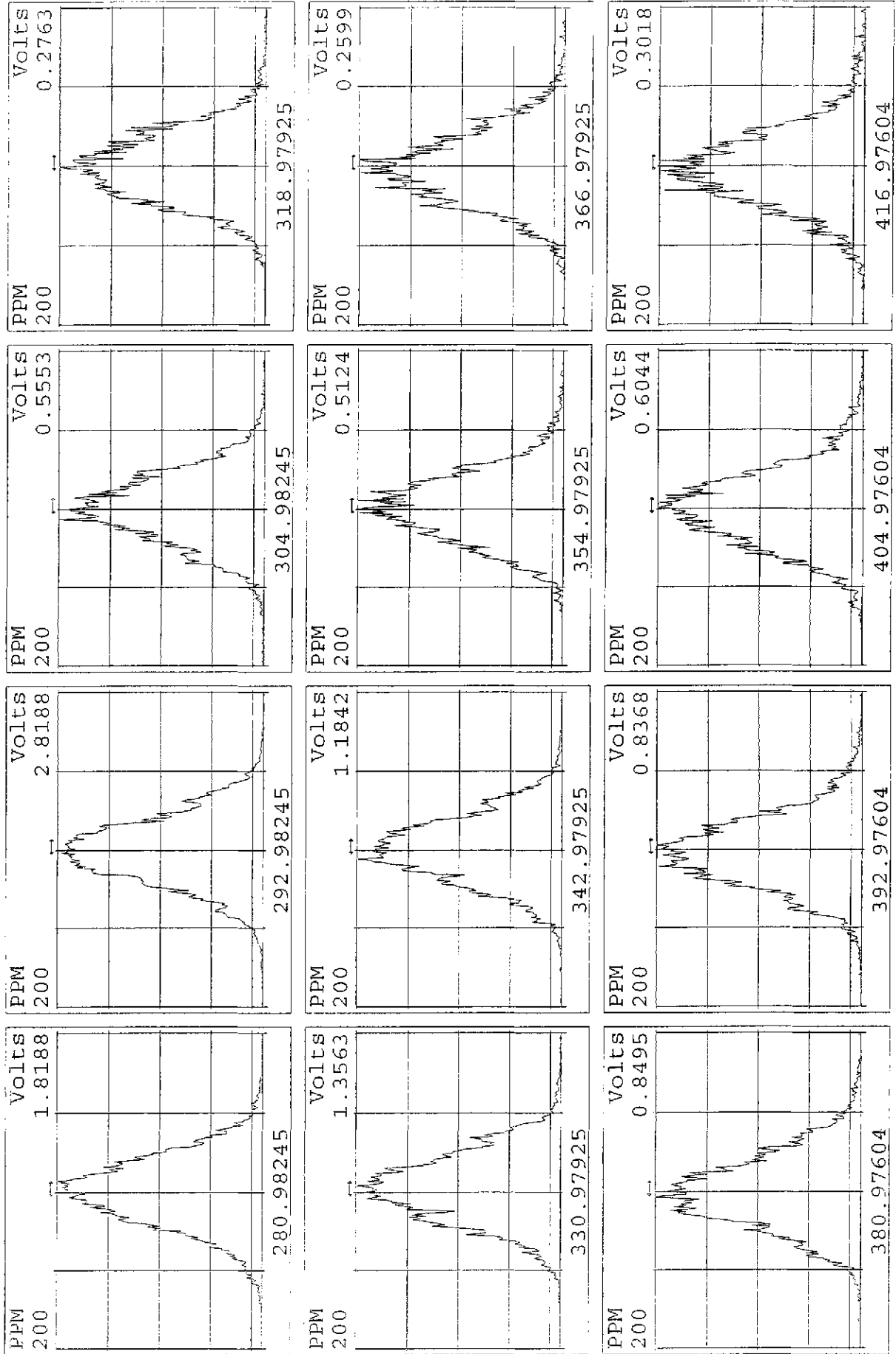
Peak Locate Examination: 9-JUL-2009:19:11 File:09JL09E9D5  
 Experiment:209DB5 Function:1 Reference:PFK



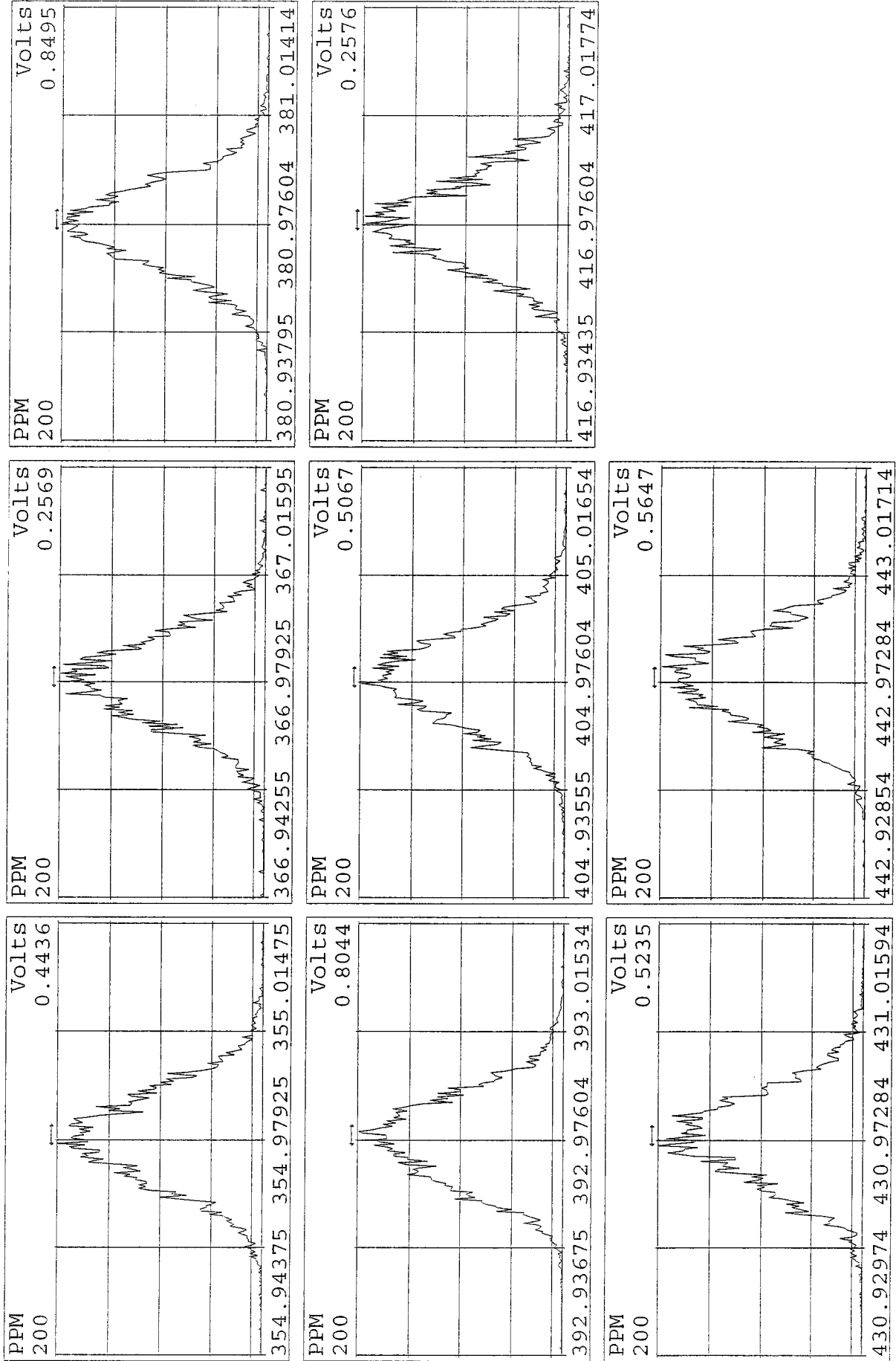
Peak Locate Examination: 9-JUL-2009:19:18 File:09JL09E9D5  
 Experiment:209DB5 Function:2 Reference:PFK



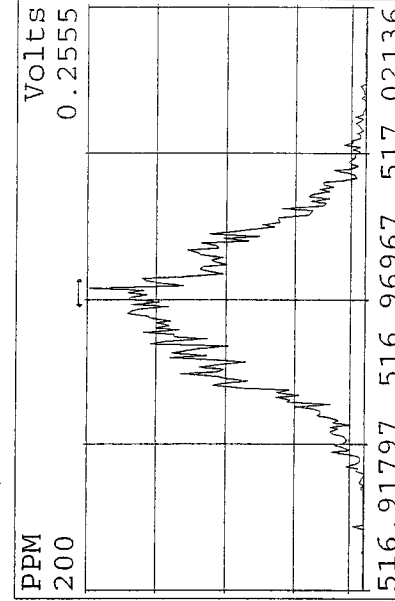
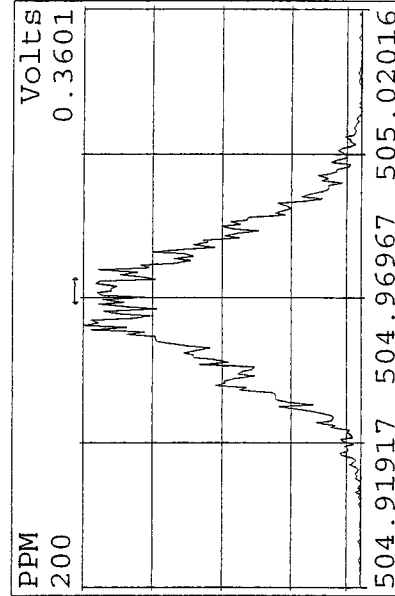
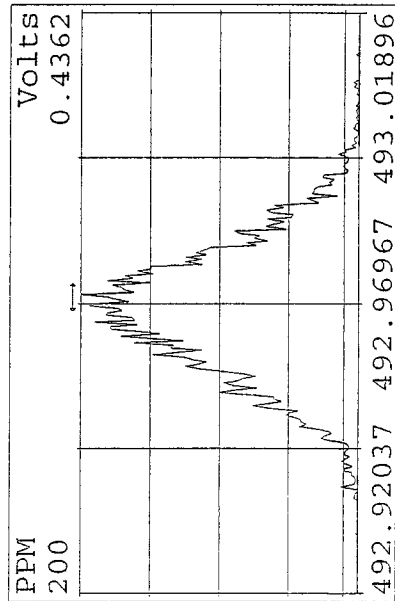
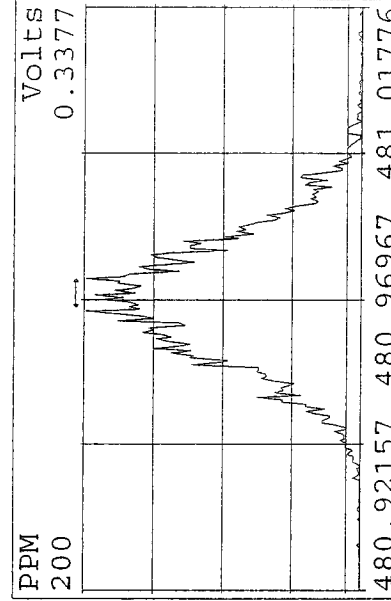
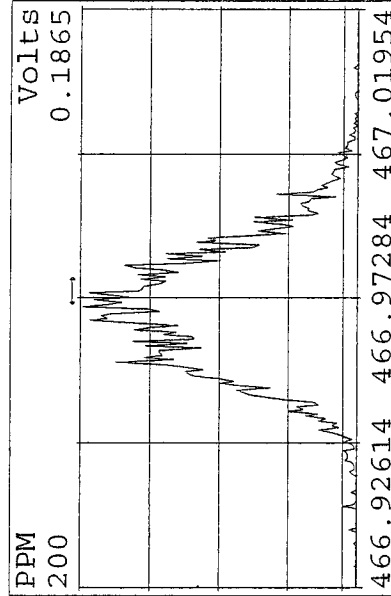
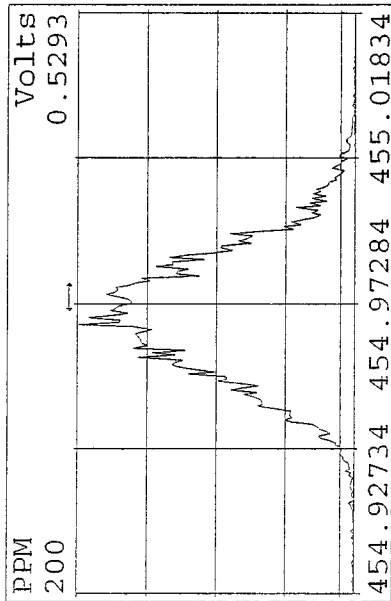
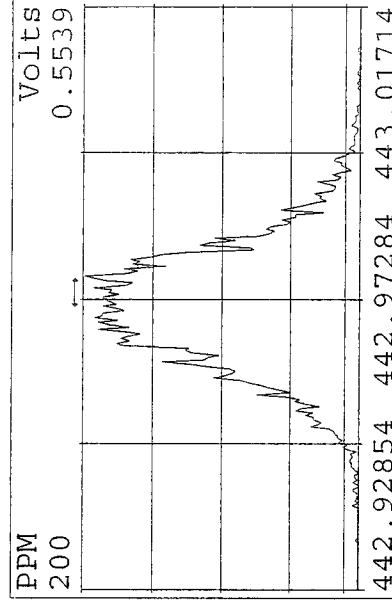
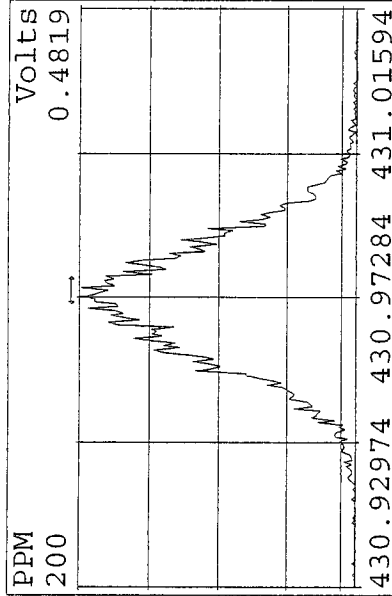
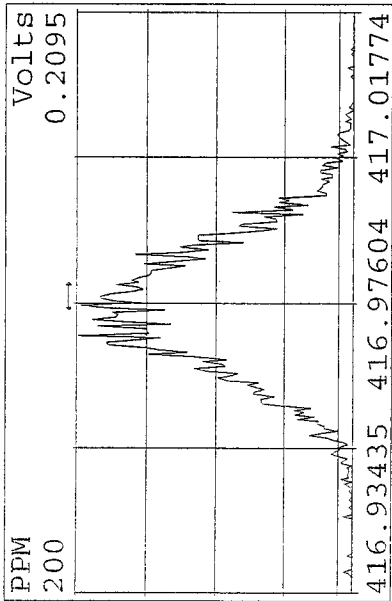
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Experiment:209DB5 Function:3 Reference:PFK



Peak Locate Examination: 9-JUL-2009:19:25 File:09JL09E9D5  
 Experiment:209DB5 Function:4 Reference:PFK

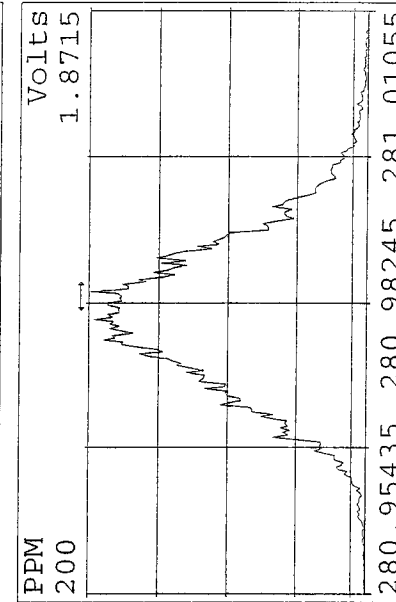
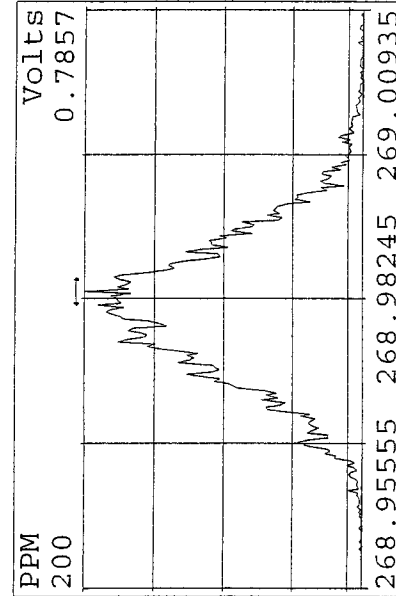
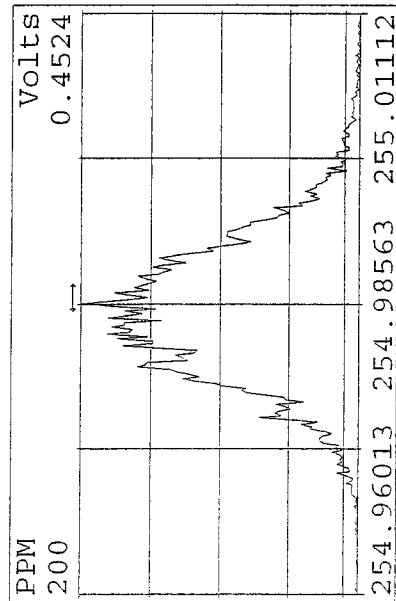
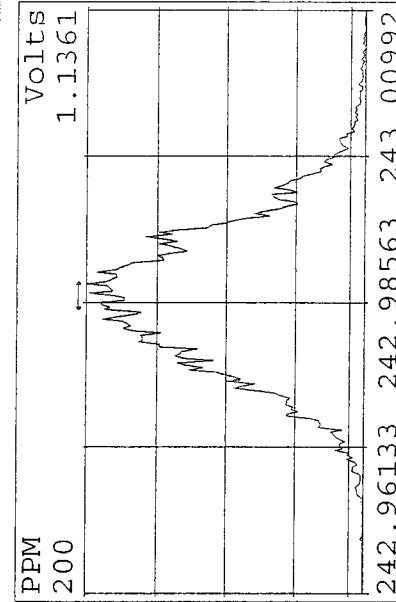
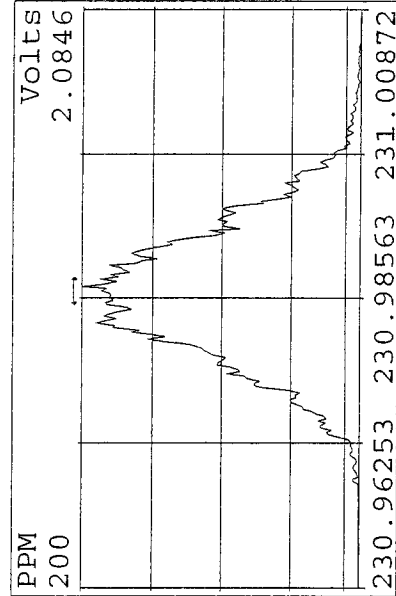
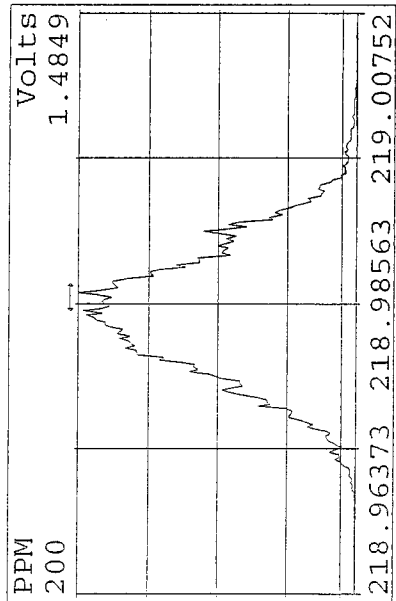
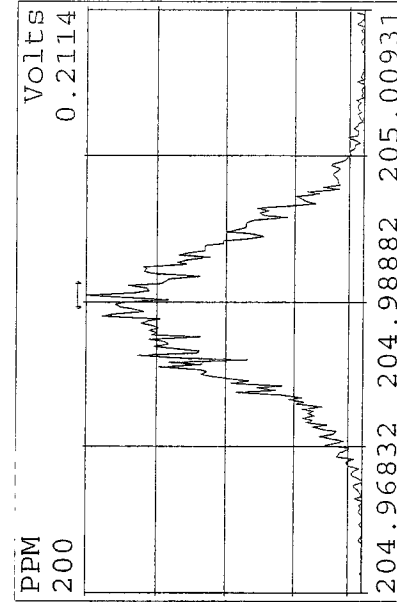
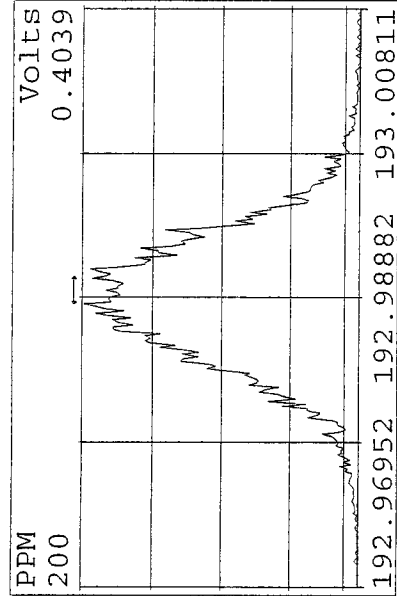
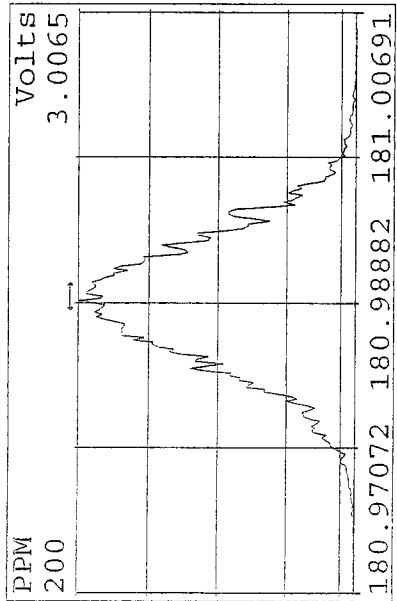


Peak Locate Examination: 9-JUL-2009:19:27 File:09JL09E9D5  
 Experiment:209DB5 Function:5 Reference:PFK

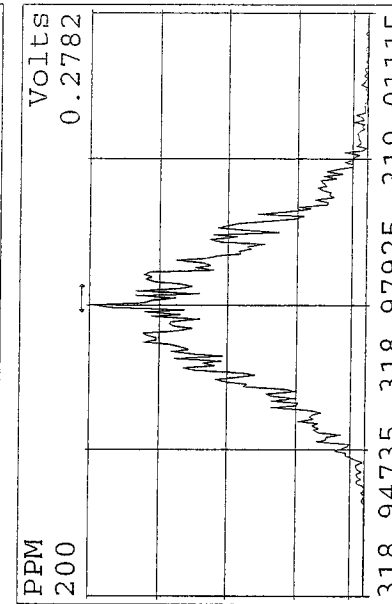
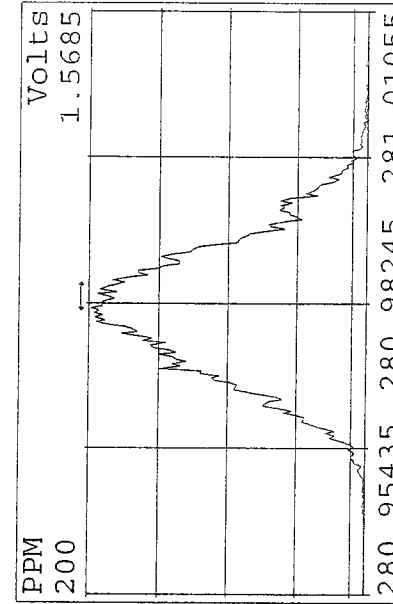
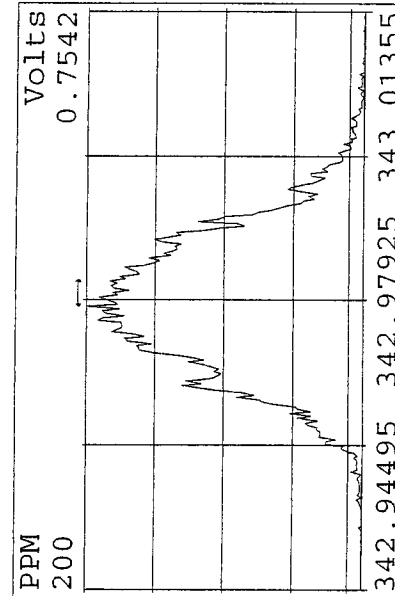
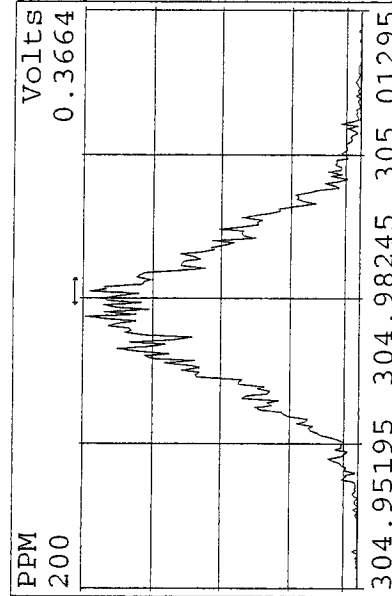
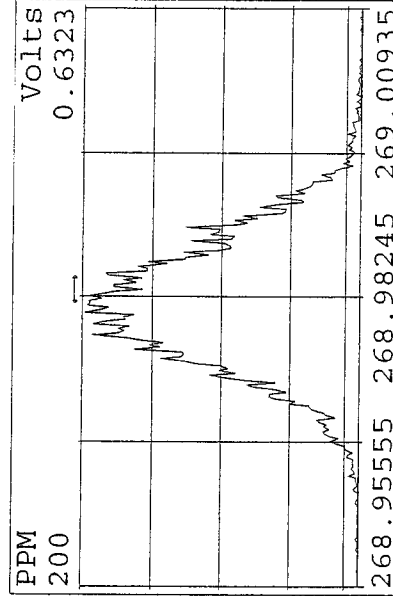
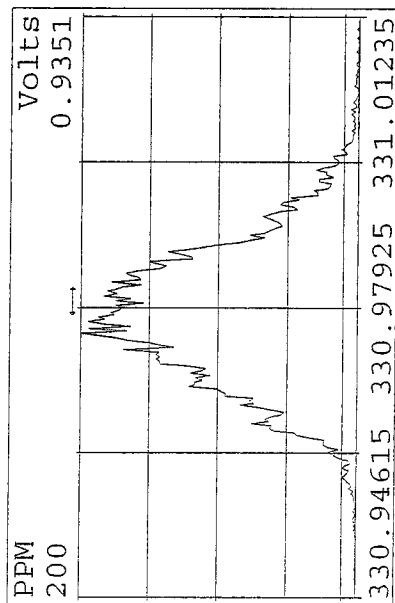
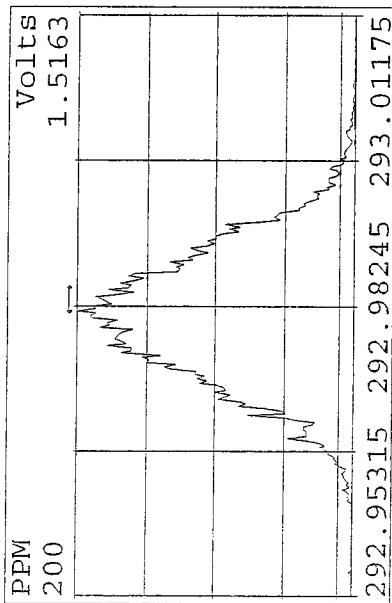
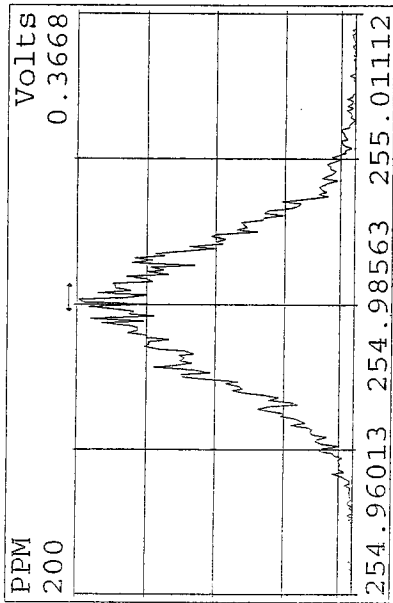




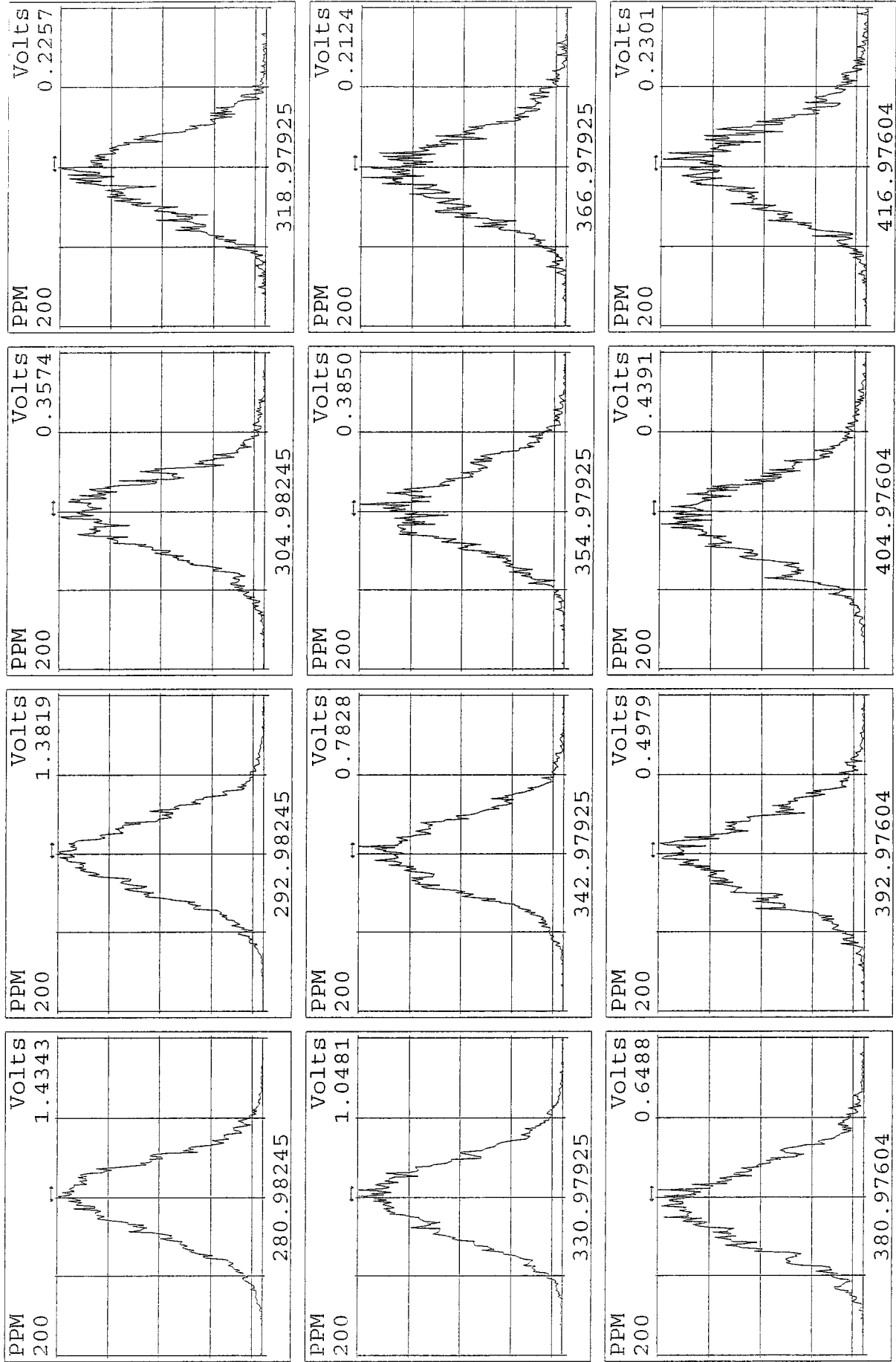
Peak Locate Examination:10-JUL-2009:12:18 File:09JL09E9D5ENDRES  
 Experiment:209DB5 Function:1 Reference:PFK



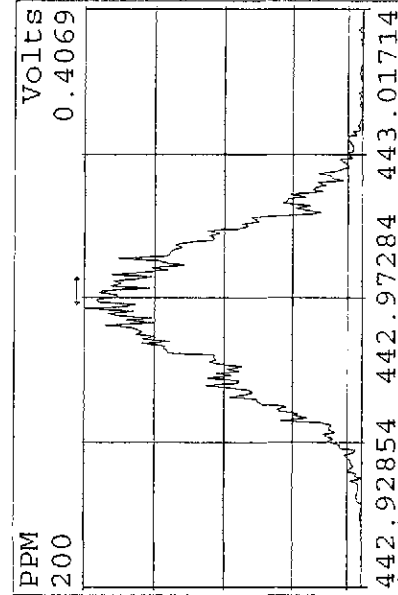
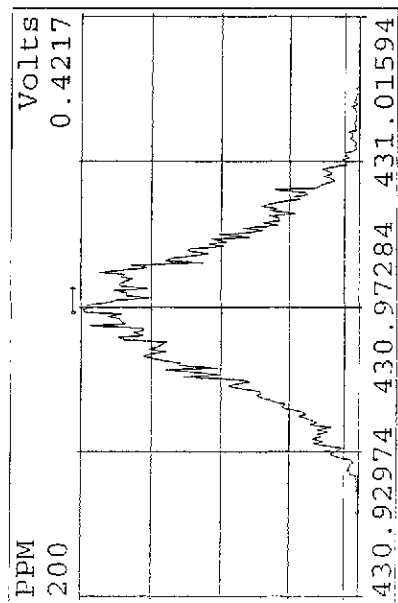
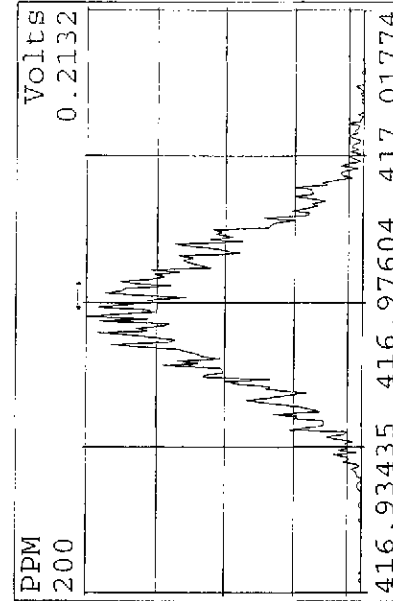
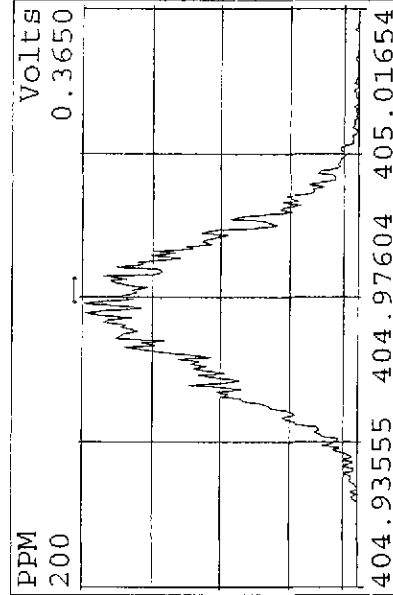
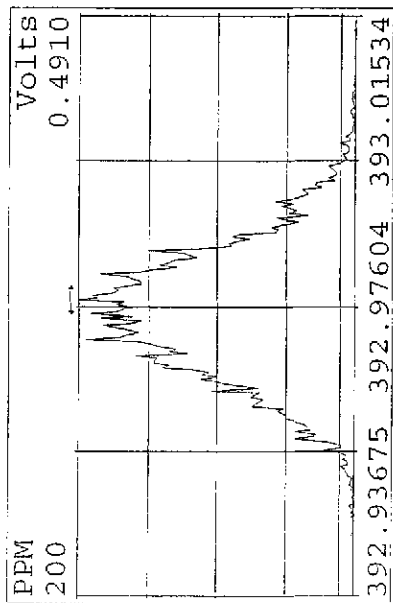
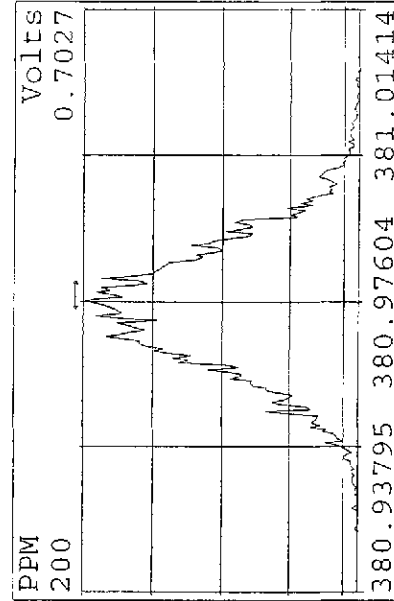
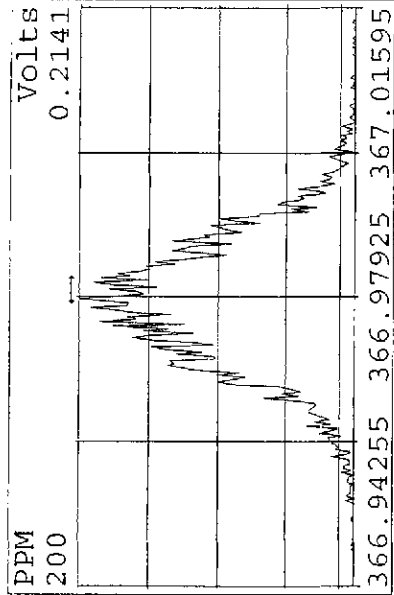
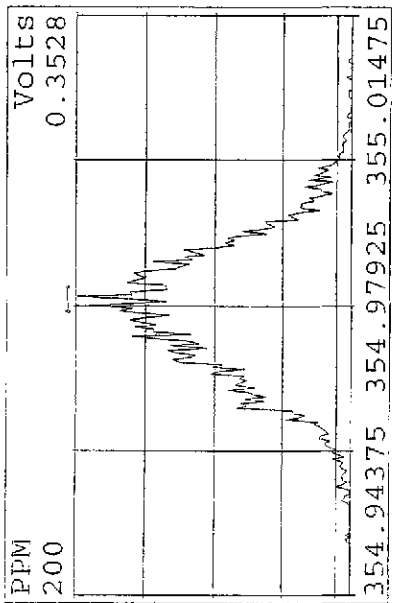
Peak Locate Examination:10-JUL-2009:12:18 File:09JL09E9D5ENDRES  
 Experiment:209DB5 Function:2 Reference:PFK



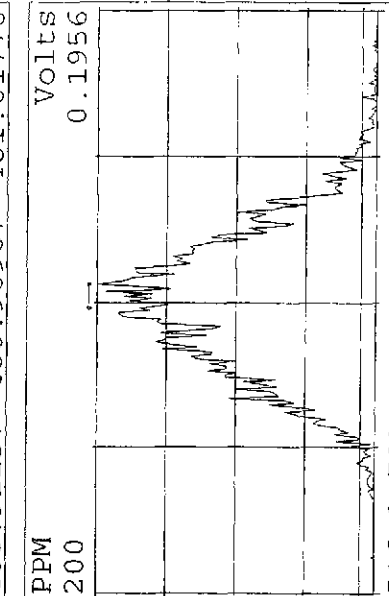
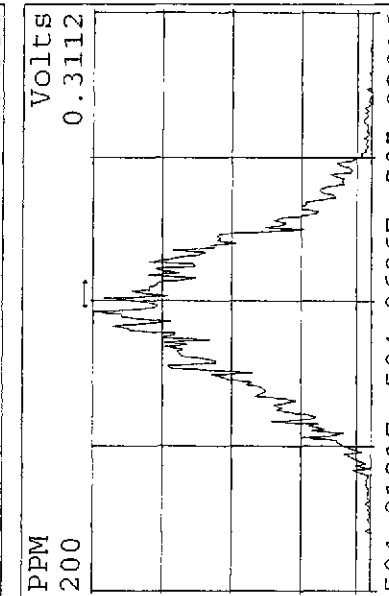
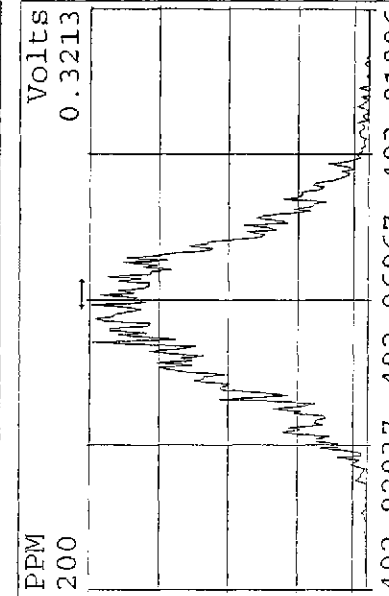
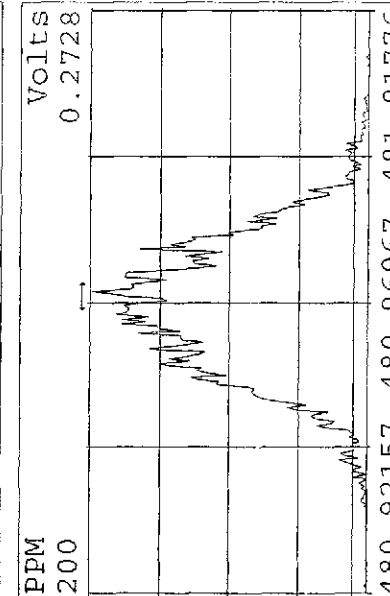
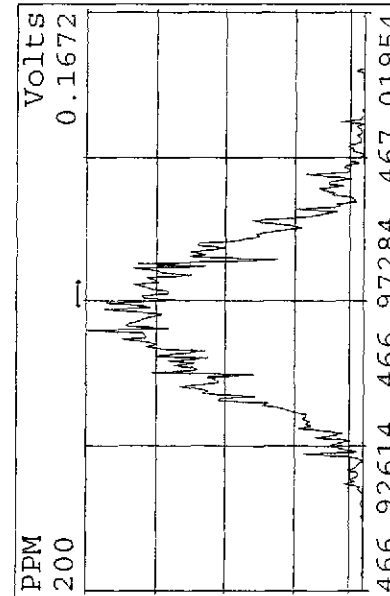
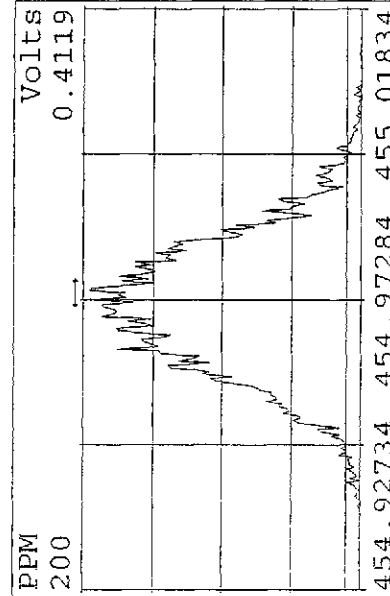
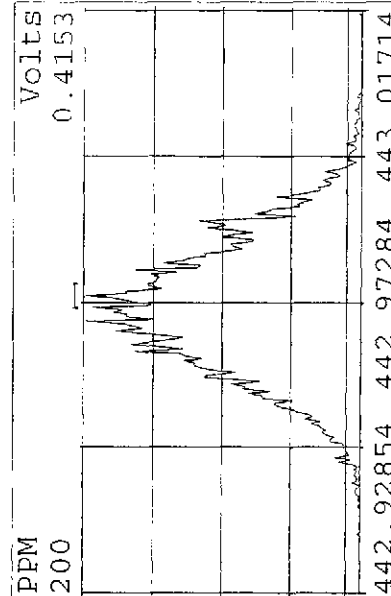
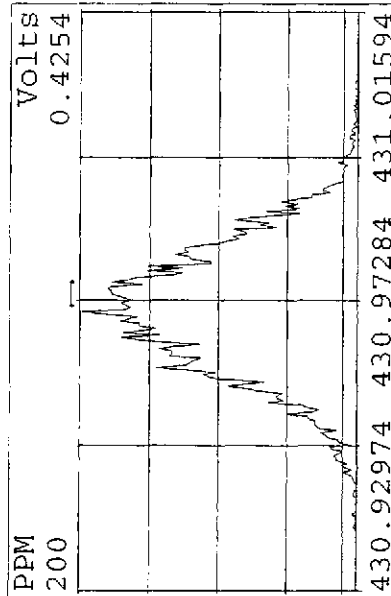
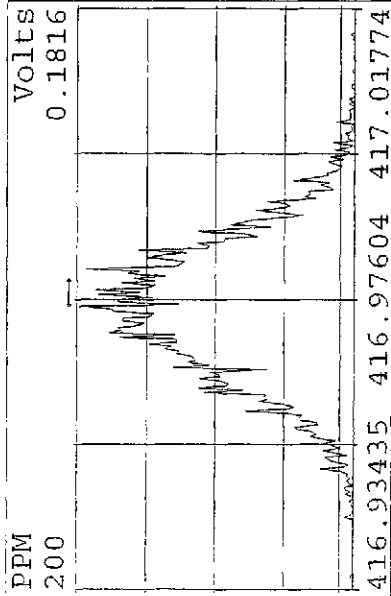
Peak Locate Examination:10-JUL-2009:12:18 File:09JL09E9D5ENDRES  
 Experiment:209DB5 Function:3 Reference:PFK



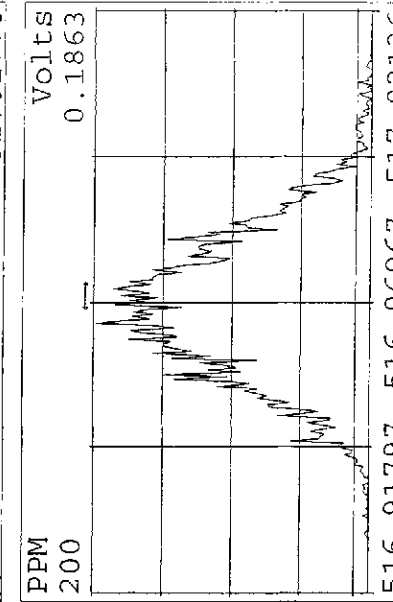
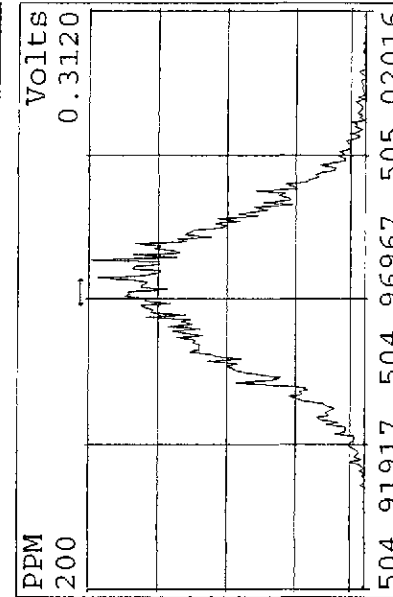
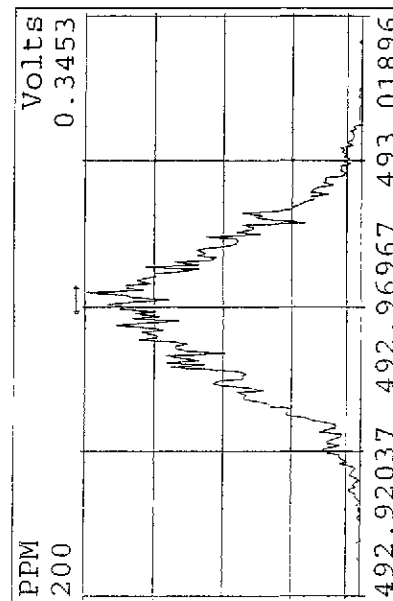
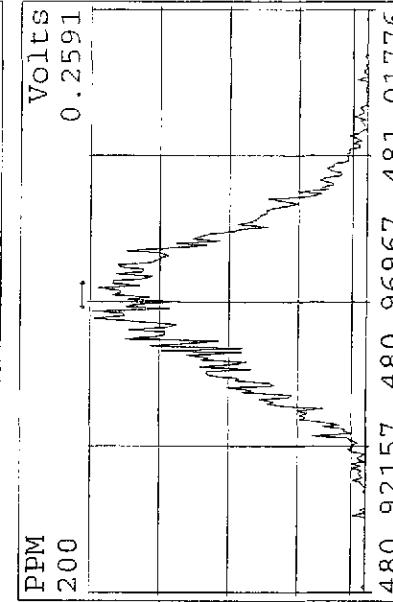
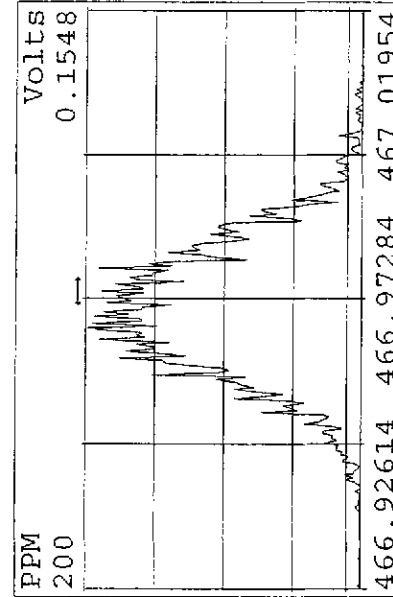
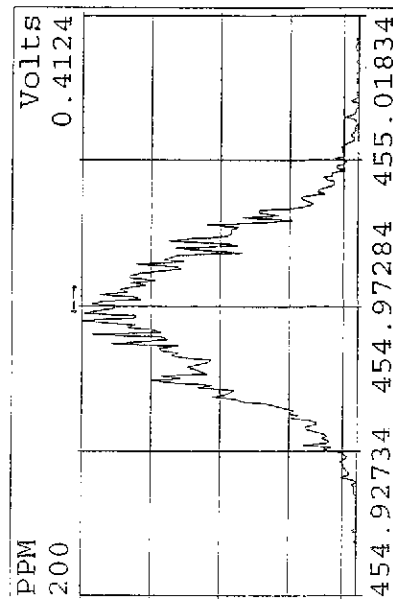
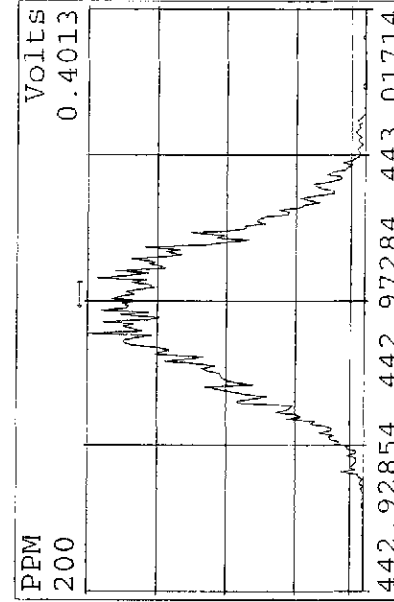
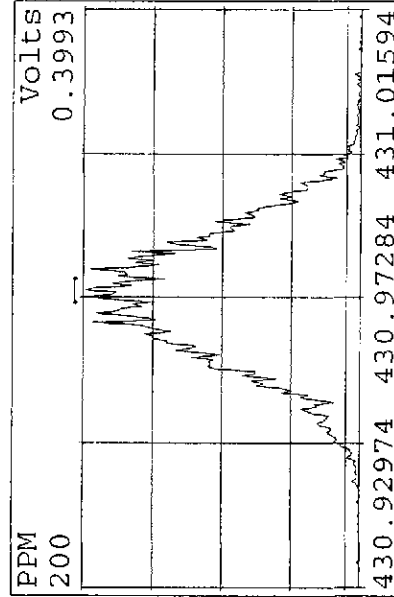
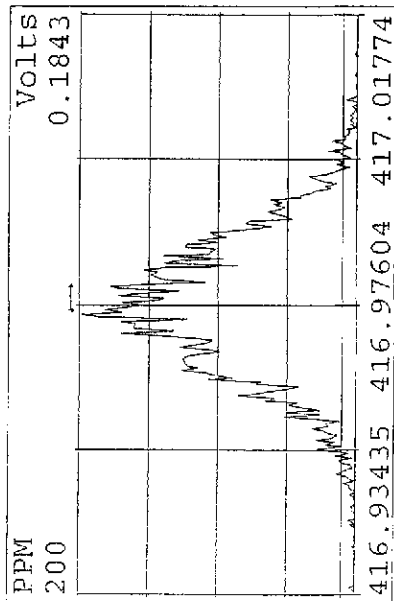
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 Experiment:209DB5 Function:4 Reference:PFK



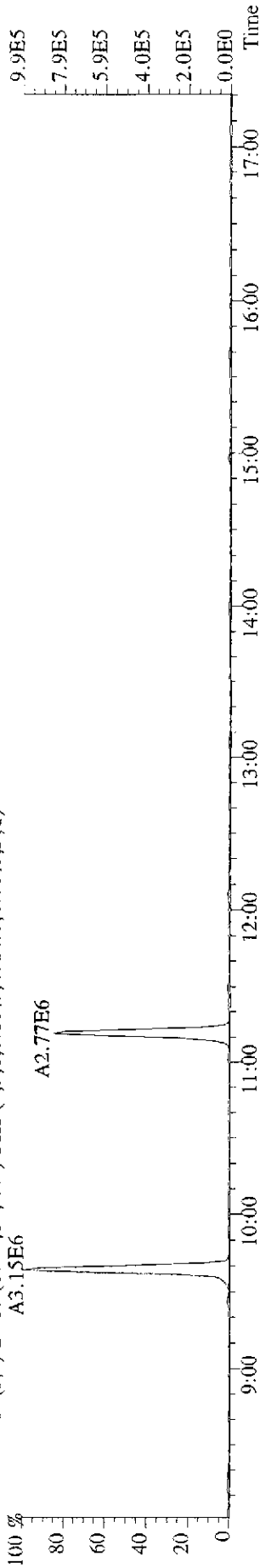
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 Experiment:209DB5 Function:5 Reference:PFK



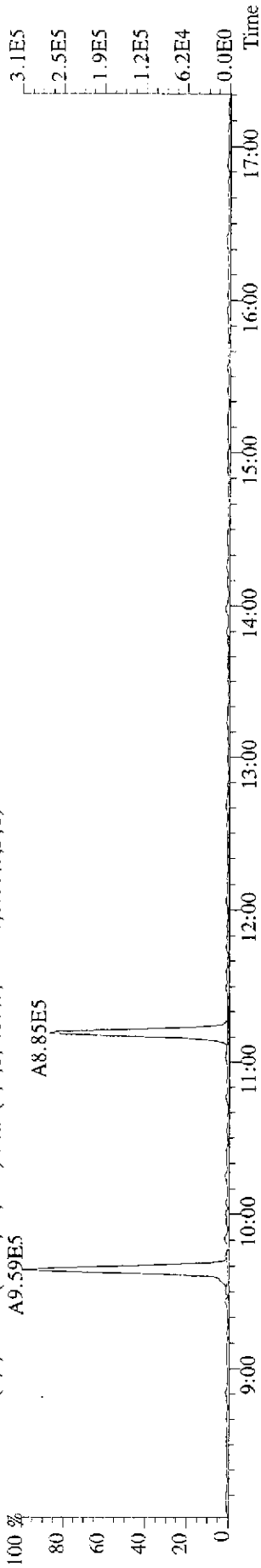
Peak Locate Examination:10-JUL-2009:12:19 File:09JL09E9D5ENDRES  
 Experiment:209DB5 Function:5 Reference:PFK



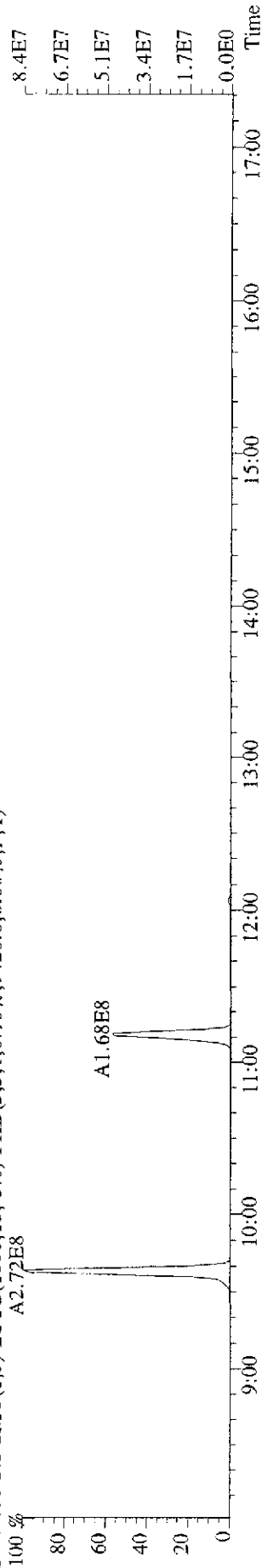
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 188.0393 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,4724.0,0.00%,F,T)  
 100 % A3.15E6



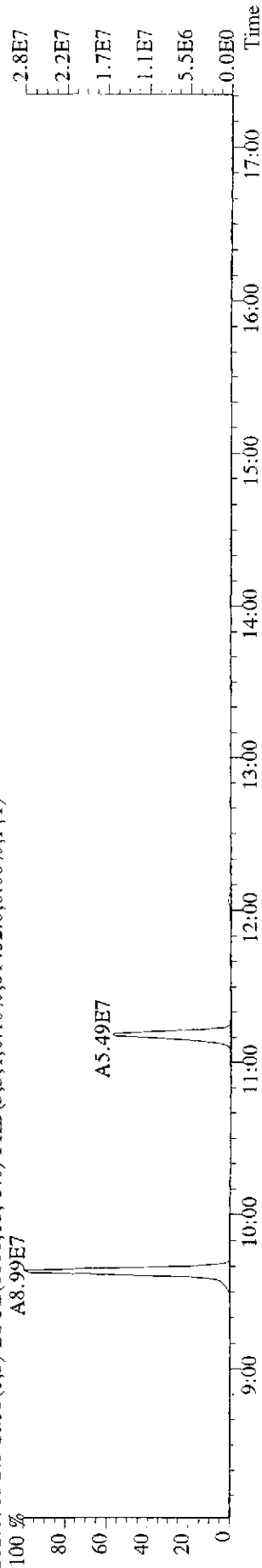
190.0363 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,3036.0,0.00%,F,T)  
 100 % A9.59E5



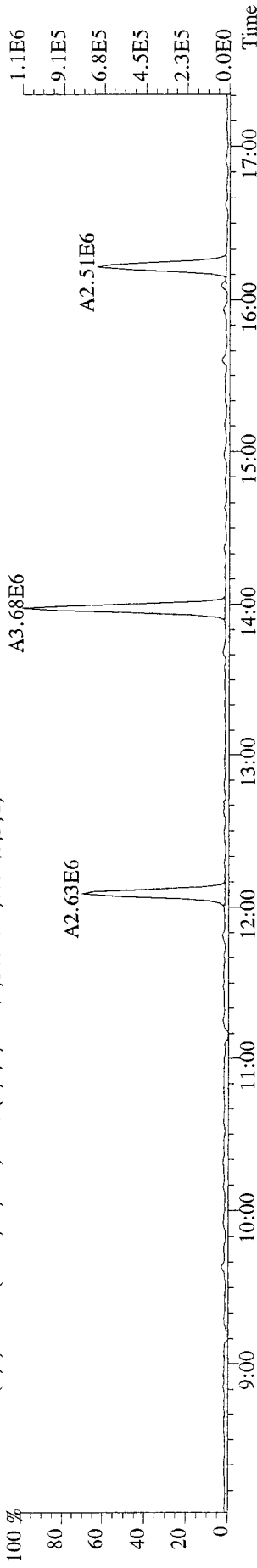
200.0795 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,9420.0,0.00%,F,T)  
 100 % A2.72E8



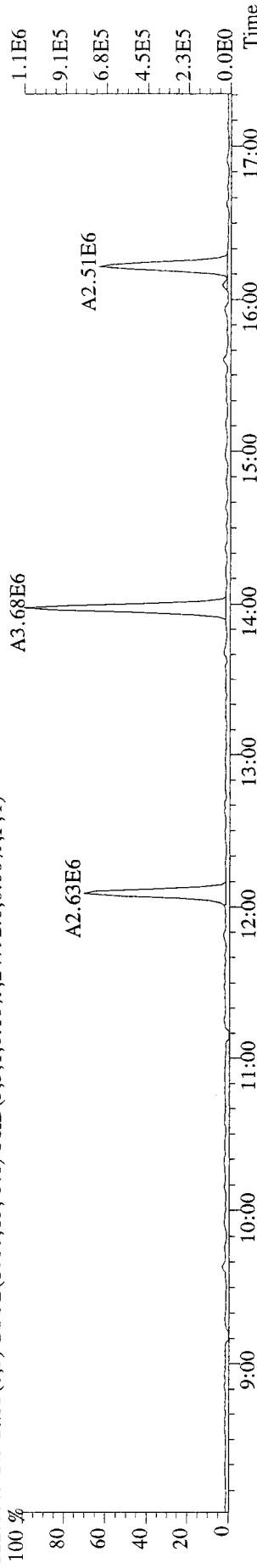
202.0766 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,51452.0,0.00%,F,T)  
 100 % A8.99E7



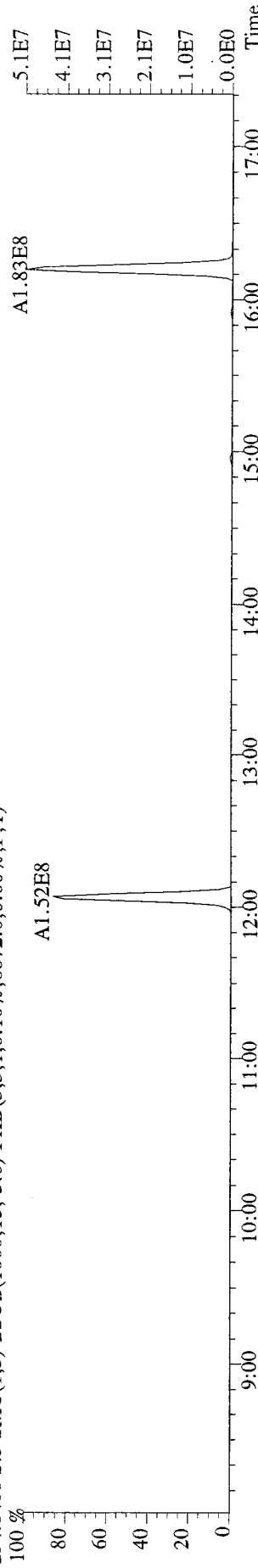
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 222.0003 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,24792.0,0.00%,F,T)  
 100 %



222.0003 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,24792.0,0.00%,F,T)  
 100 %



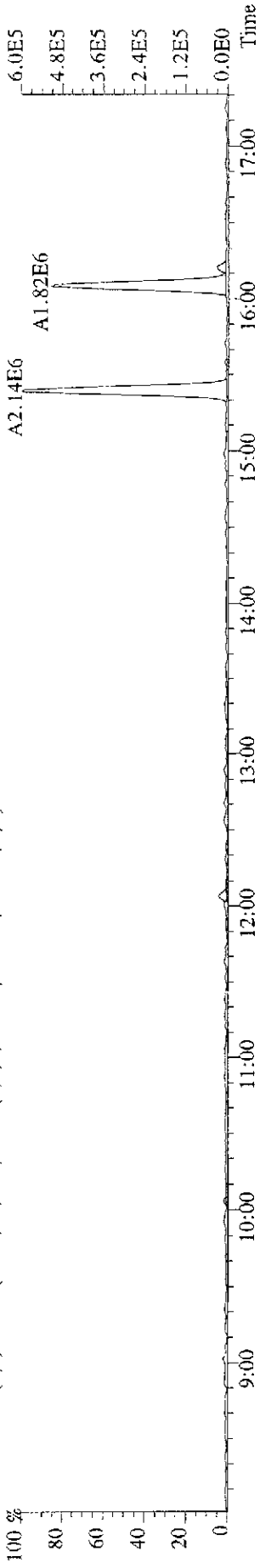
234.0406 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6072.0,0.00%,F,T)  
 100 %



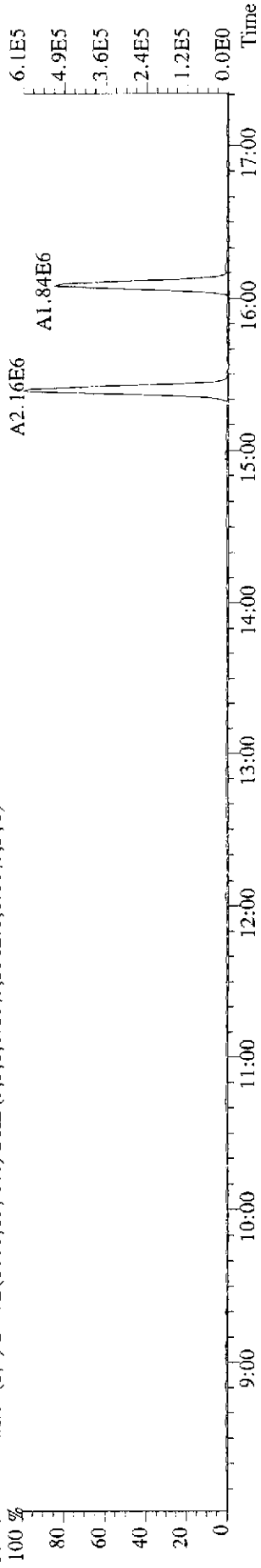
236.0376 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6720.0,0.00%,F,T)  
 100 %



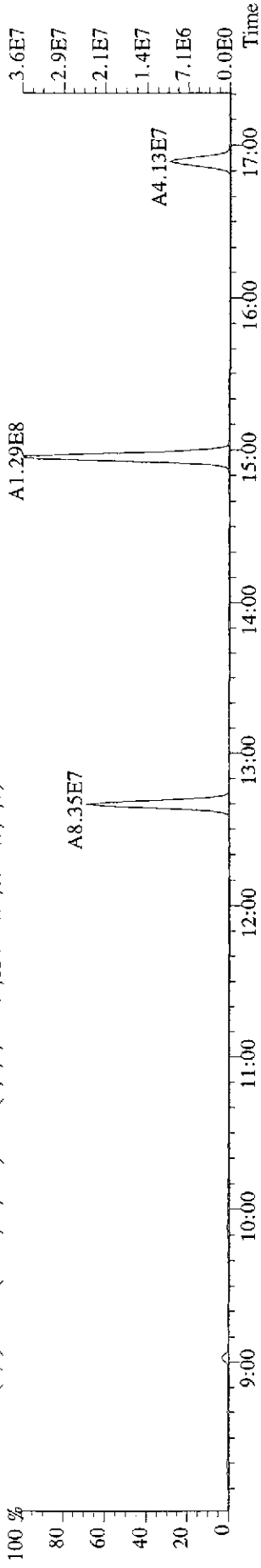
File: 09JL09E9D5 #1-633 Acq: 9-JUL-2009 21:14:19 GC EJ+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 255.9613 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6236.0,1.00%,F,T)



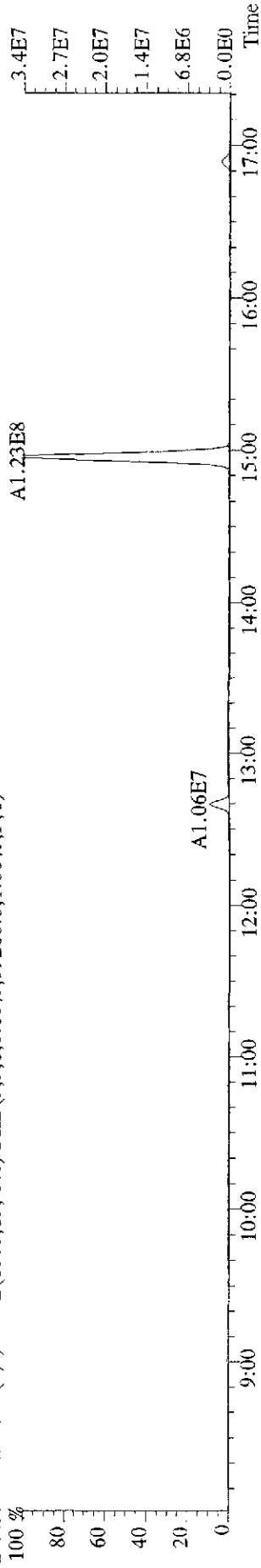
257.9584 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3312.0,1.00%,F,T)



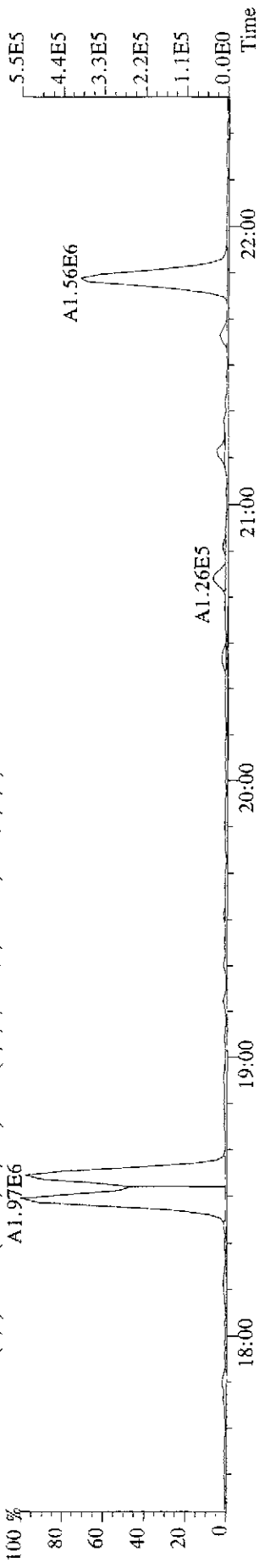
268.0016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,124824.0,1.00%,F,T)



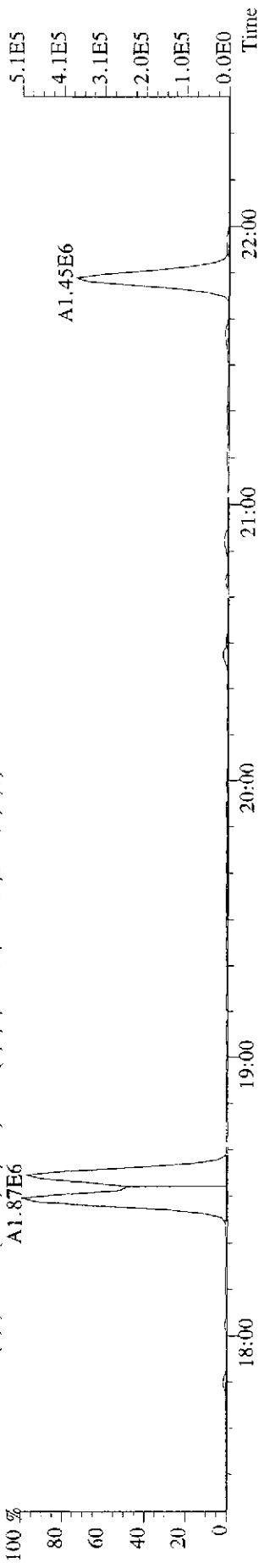
269.9986 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,99268.0,1.00%,F,T)



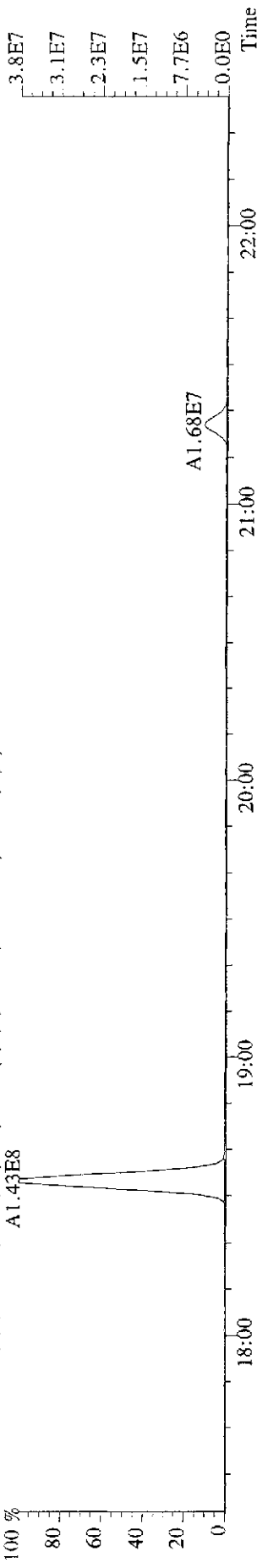
File:09JL09E9D5 #1-372 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 255.9613 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5816.0,1.00%,F,T)



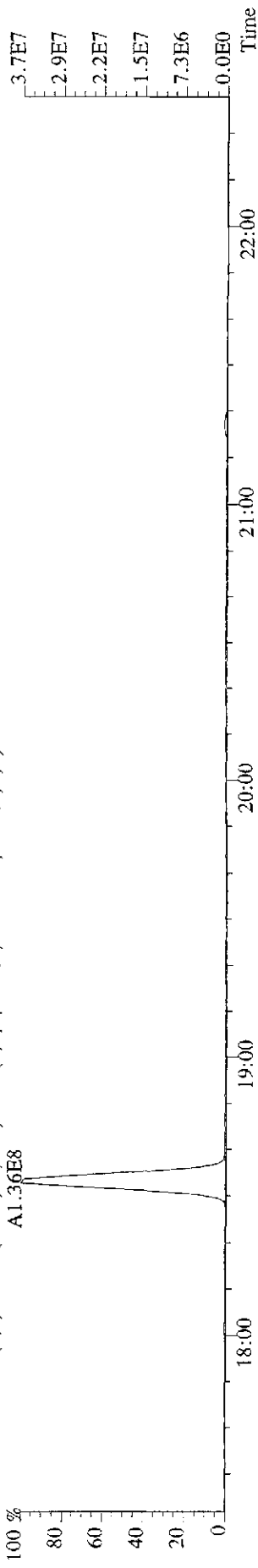
257.9584 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2204.0,1.00%,F,T)



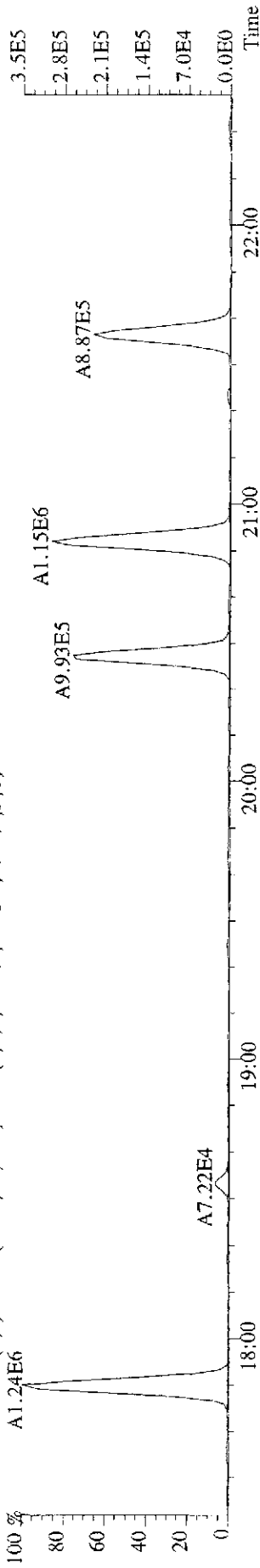
268.0016 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,109964.0,1.00%,F,T)



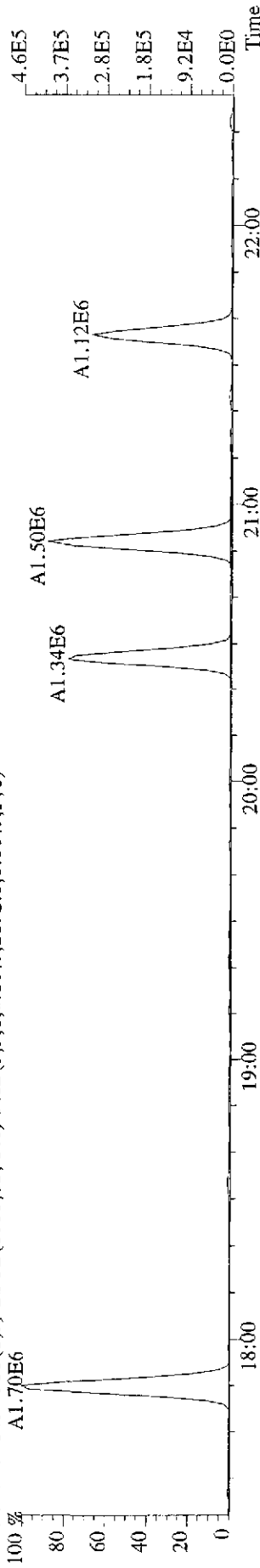
269.9986 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,109432.0,1.00%,F,T)



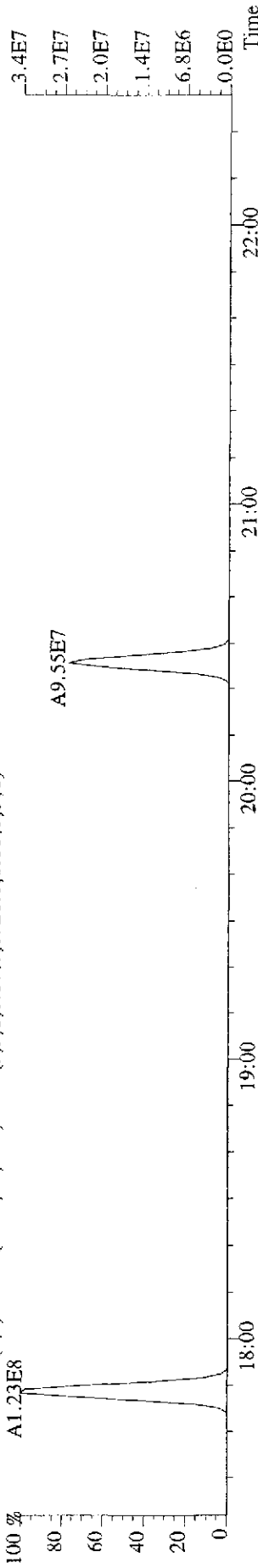
File:09JL09E9D5 #1-372 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 289.9224 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1572.0,0.00%,F,T)



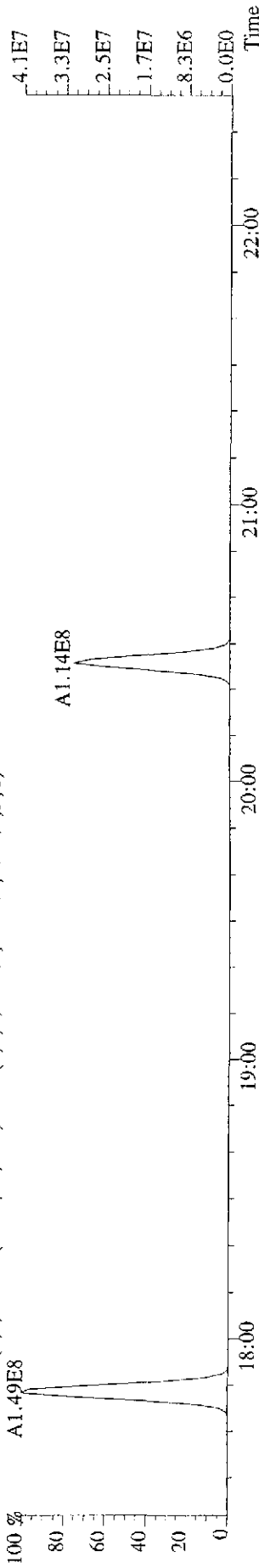
291.9194 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2152.0,0.00%,F,T)



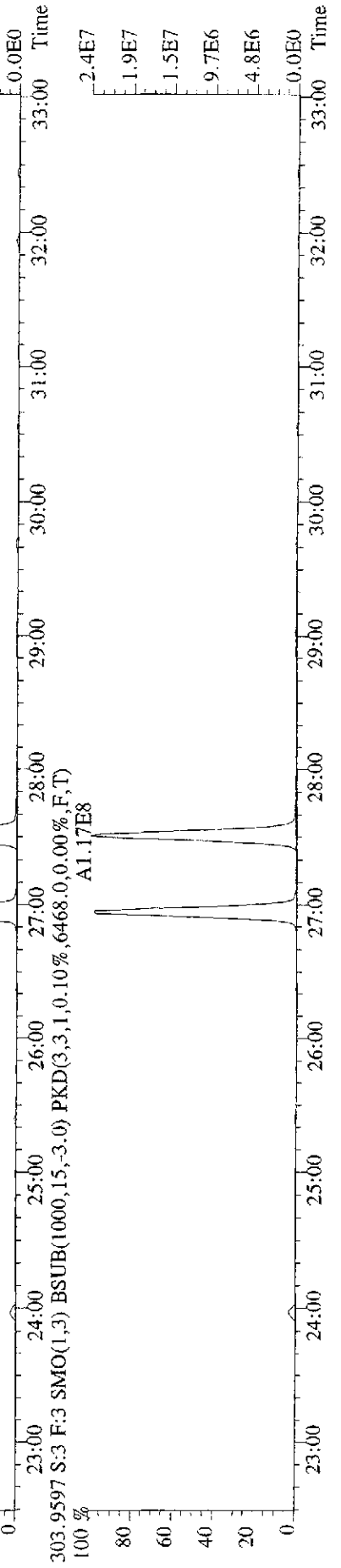
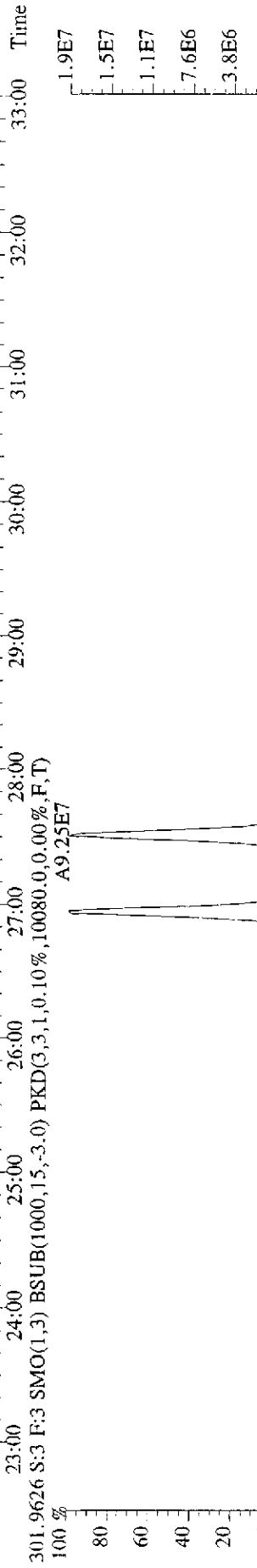
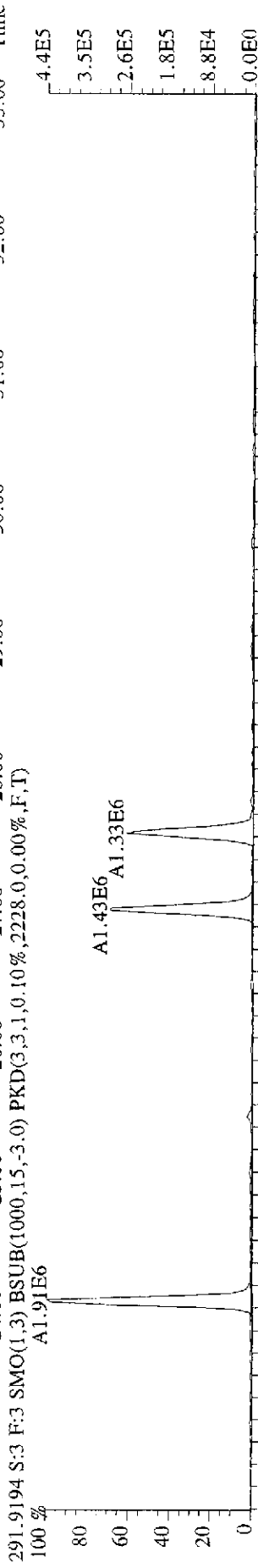
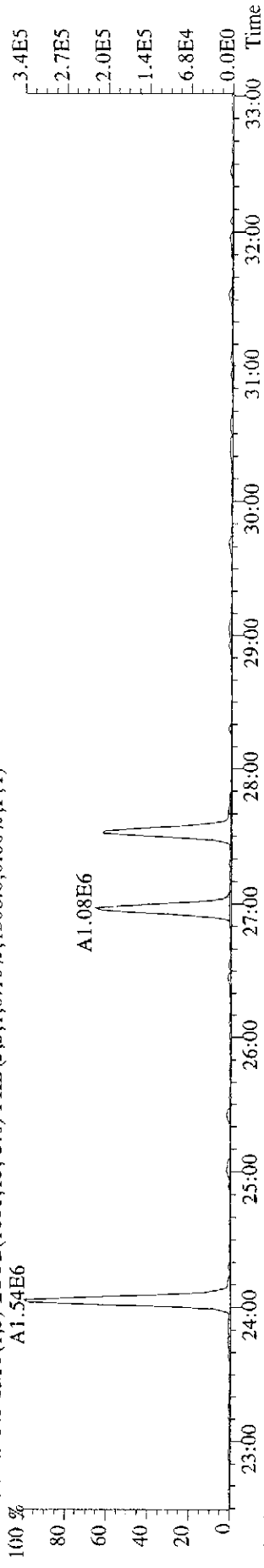
301.9626 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8328.0,0.00%,F,T)



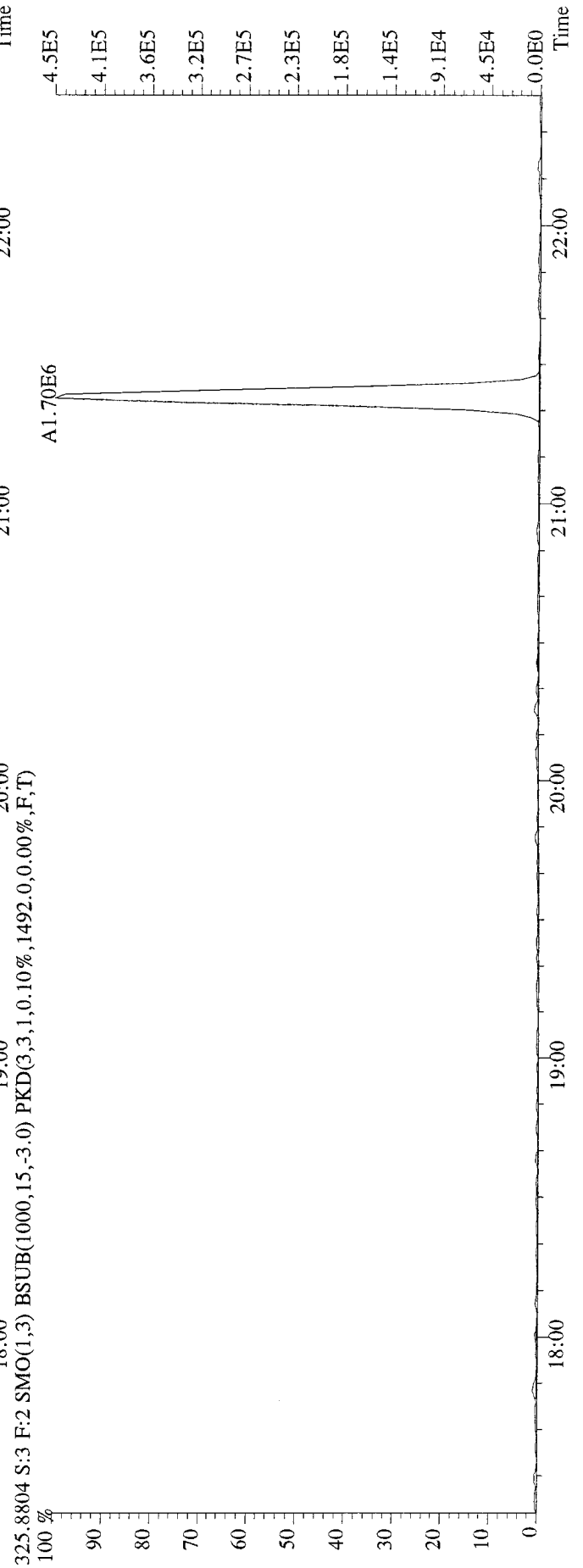
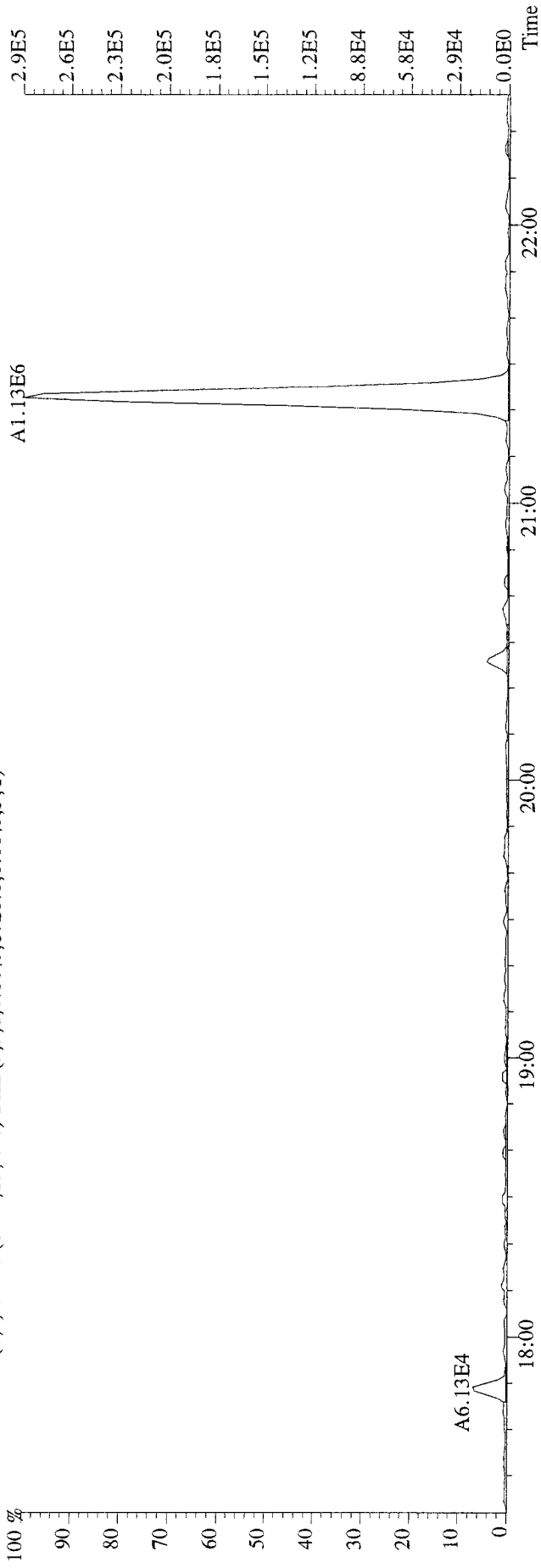
303.9597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3568.0,0.00%,F,T)



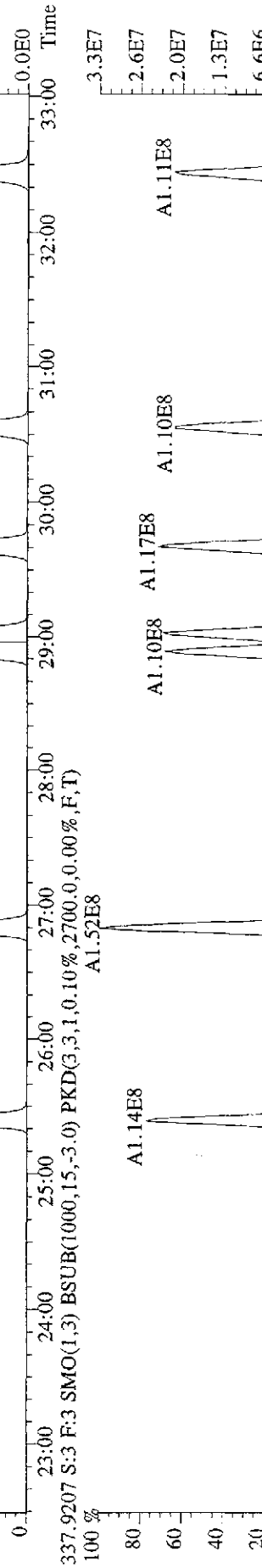
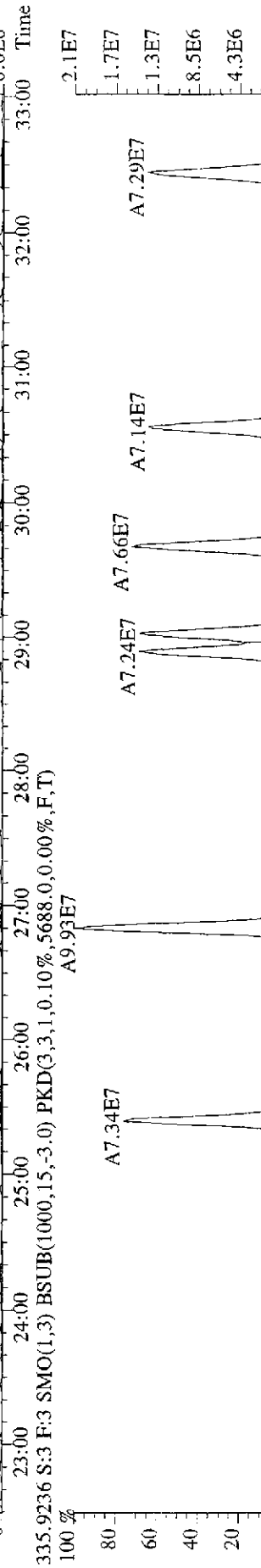
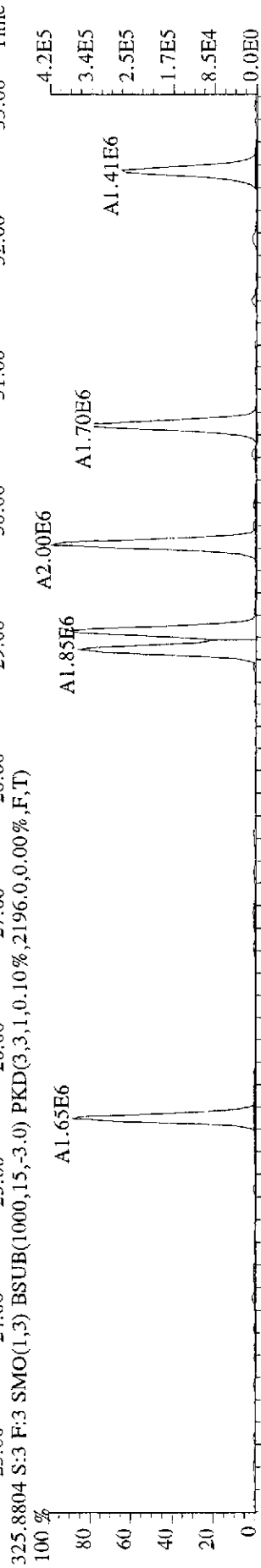
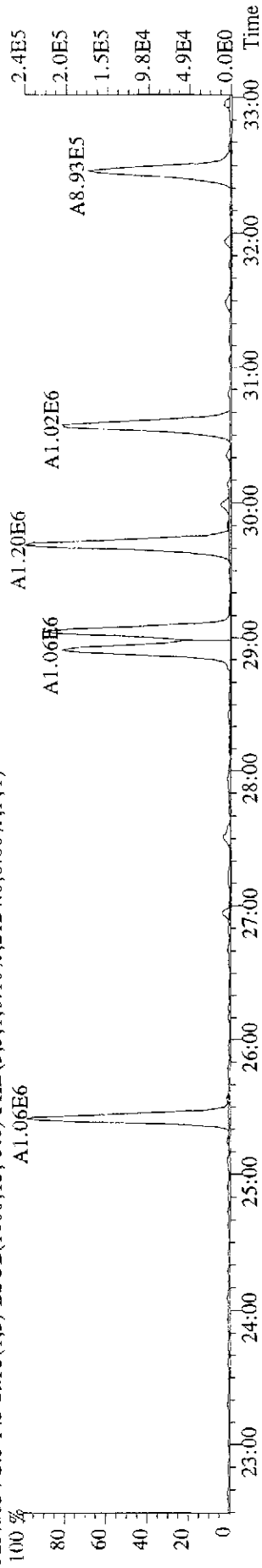
File:09JUL09E9D5 #1-593 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1508.0,0.00%,F,T)  
 A1.54E6



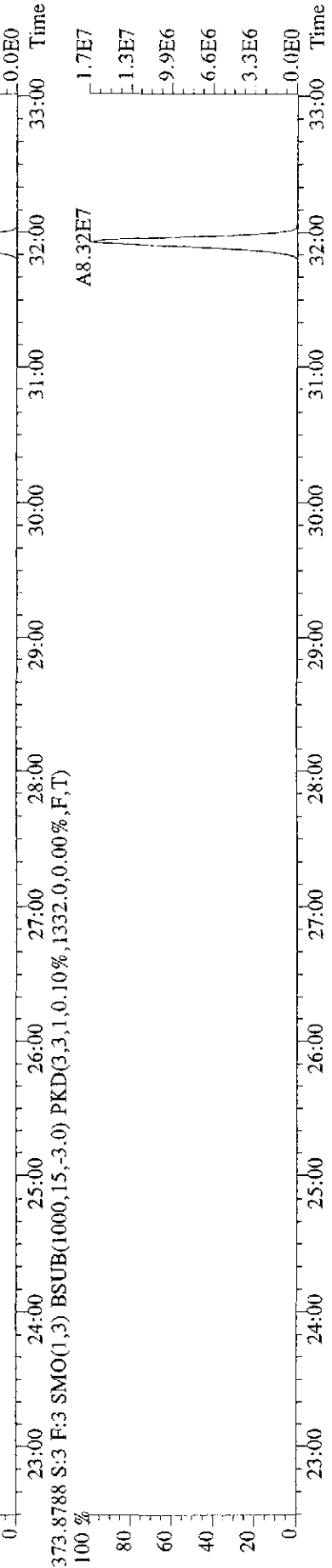
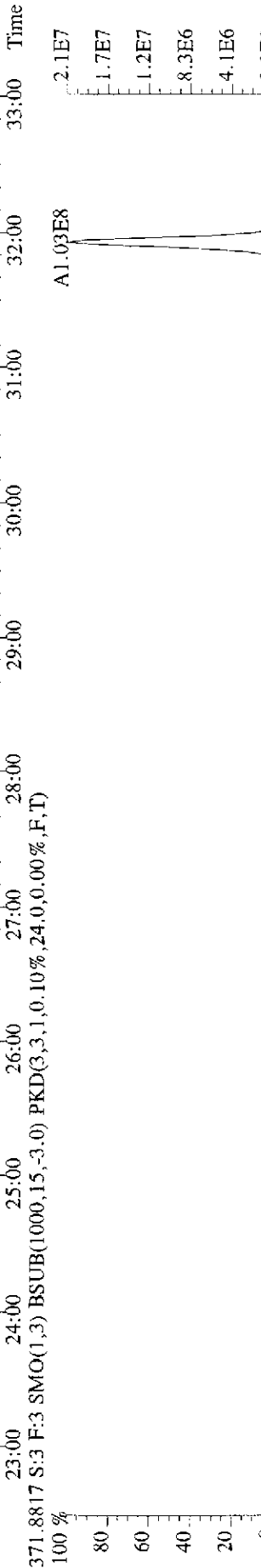
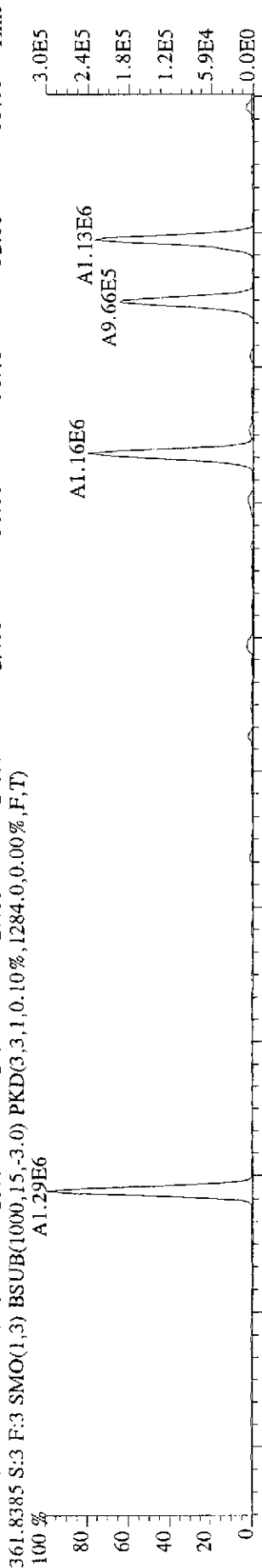
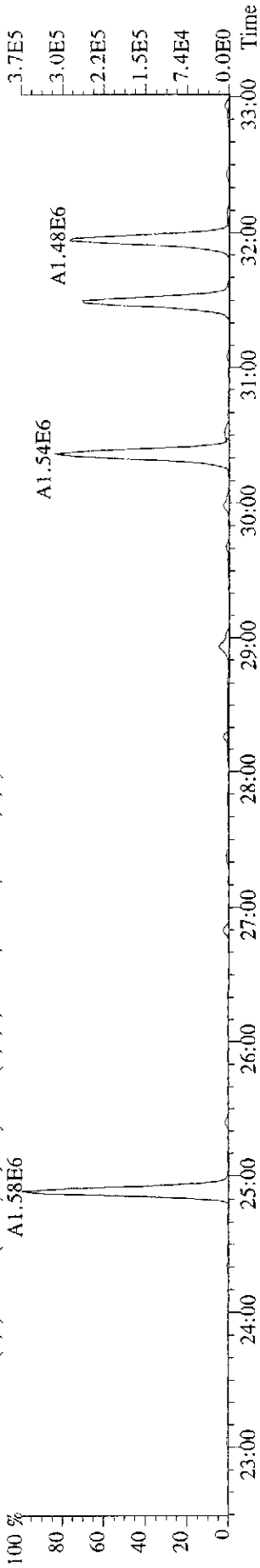
File: 09JL09E9D5 #1-372 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#3 Text: ST0709B :CS1 09DXN205 Exp: 209DB5  
323.8834 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1728.0,0.00%,F,T)



File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2124,0.00%,F,T)

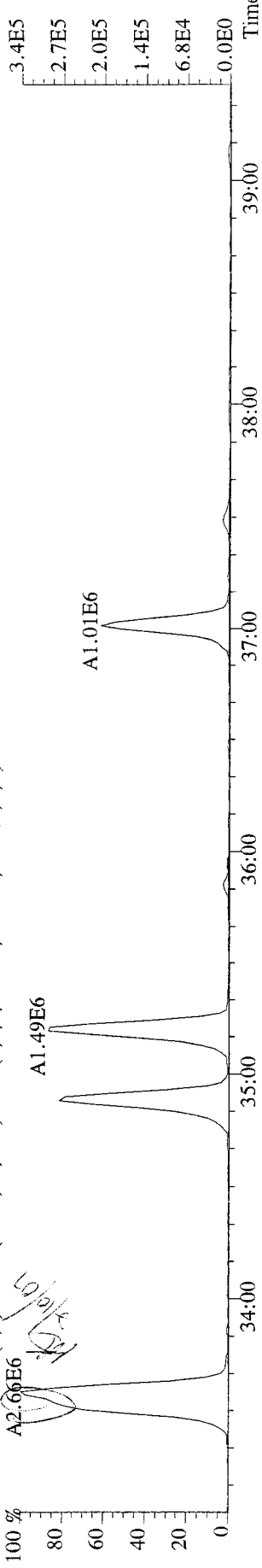


File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 359.8415 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1336.0,0.00%,F,T)  
 100 % A1.58E6

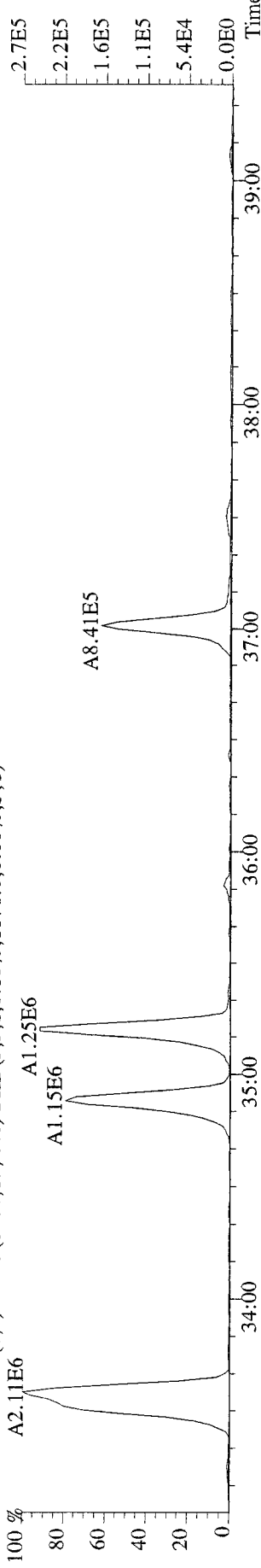


File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE

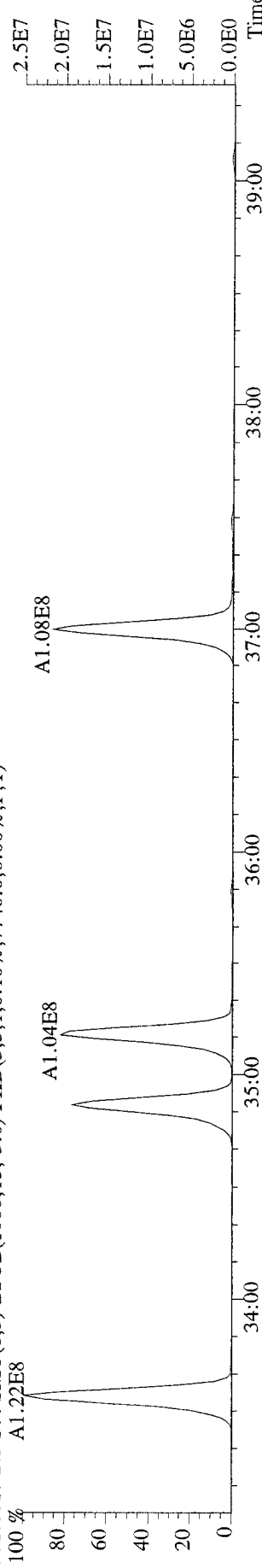
Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1260.0,0.00%,F,T)



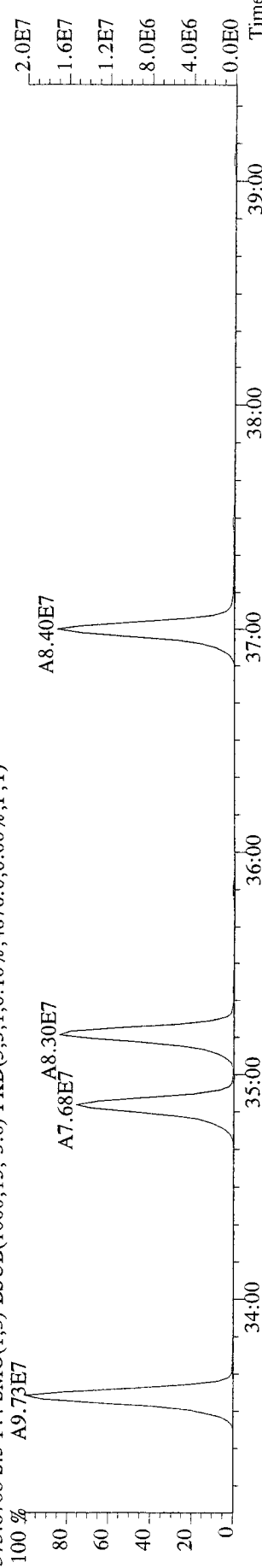
361.8385 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1176.0,0.00%,F,T)



371.8817 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7740.0,0.00%,F,T)

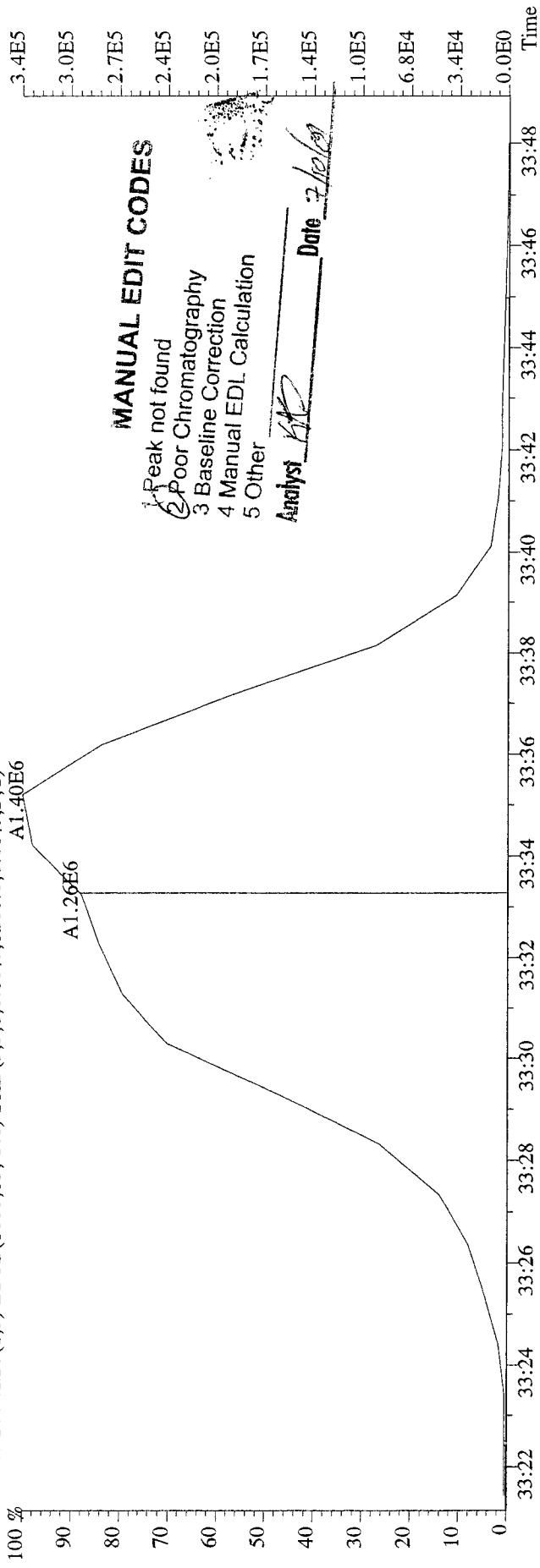


373.8788 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4876.0,0.00%,F,T)





File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1260.0,0.00%,F,T)  
 100 % A1.40E6

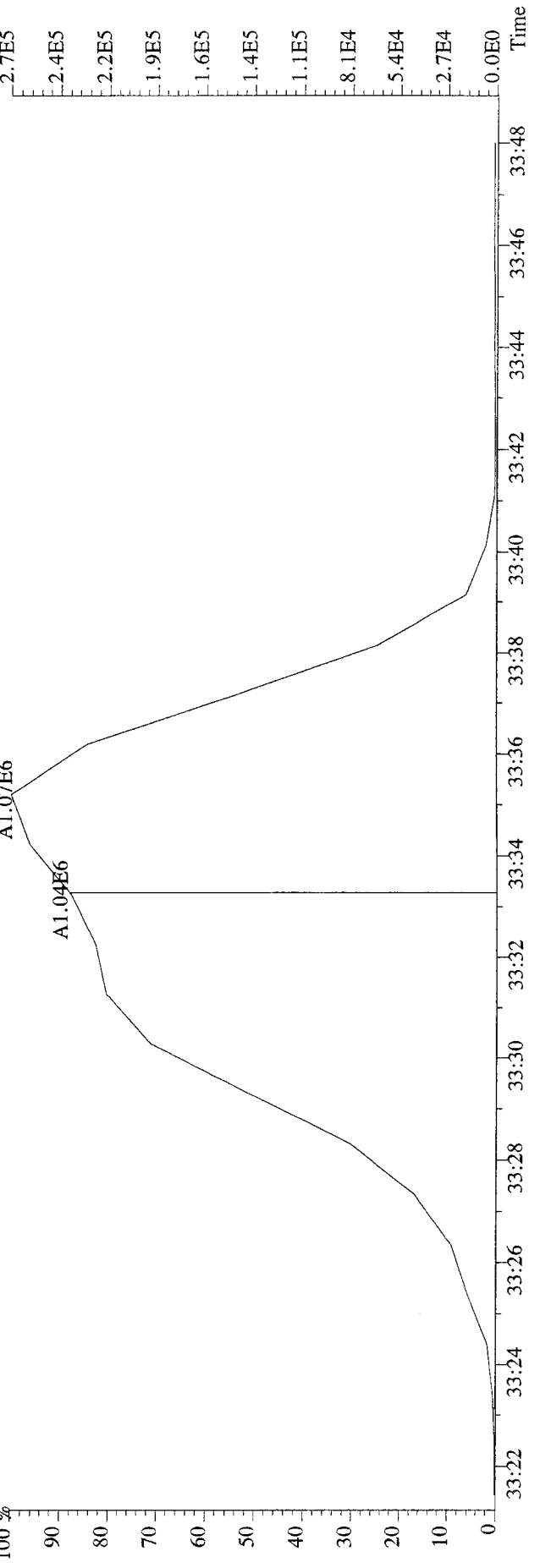


**MANUAL EDIT CODES**

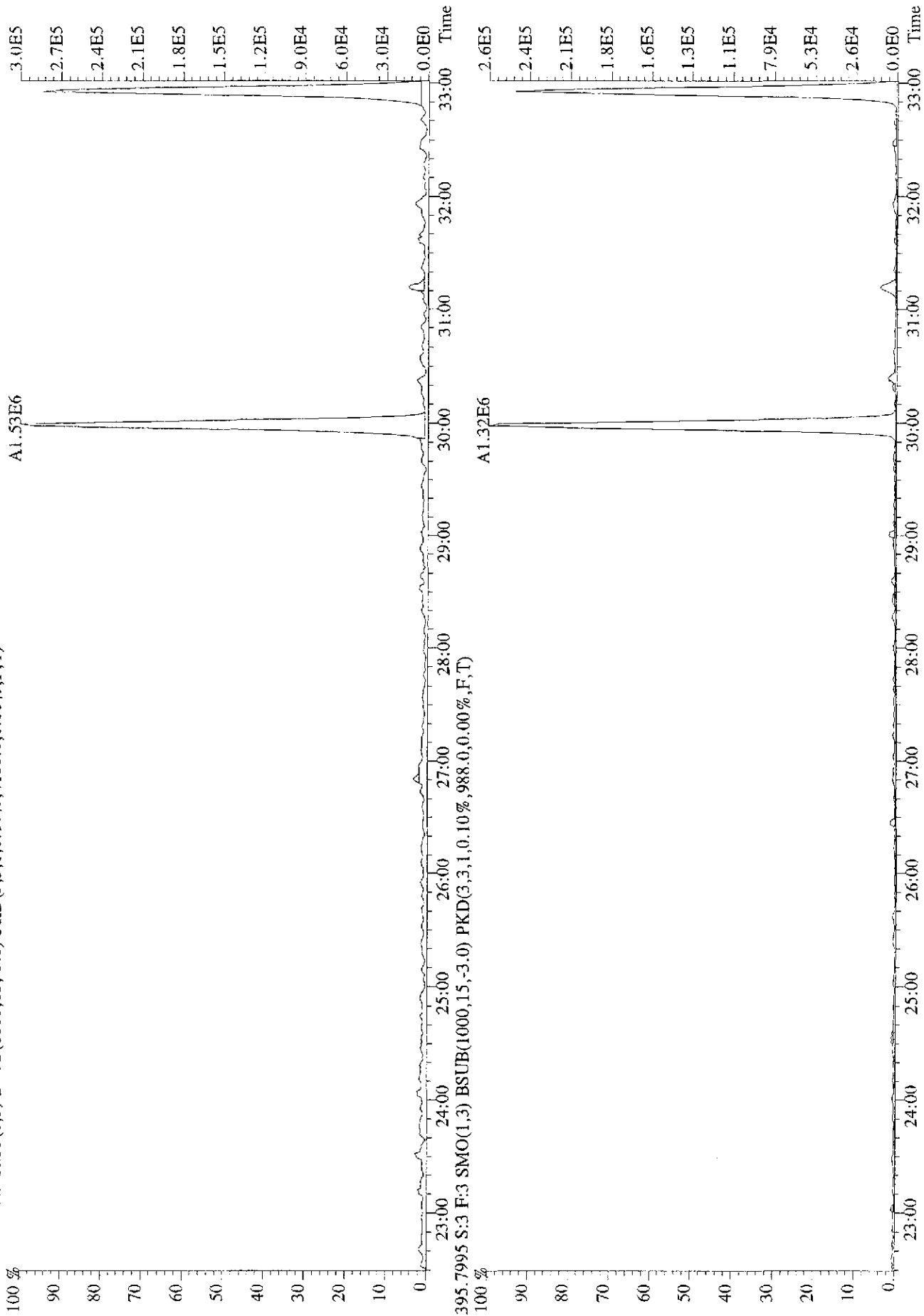
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst *[Signature]* Date *7/16/09*

361.8385 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1176.0,0.00%,F,T)  
 100 % A1.07E6



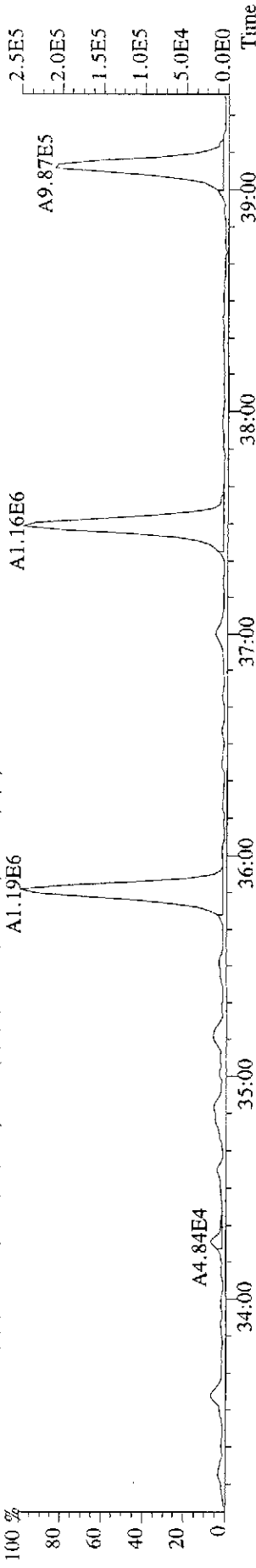
File: 09JL09E9D5 #1-593 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#3 Text: ST0709B :CSI 09DXN205 Exp: 209DB5  
393.8025 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4180.0,0.00%,F,T)



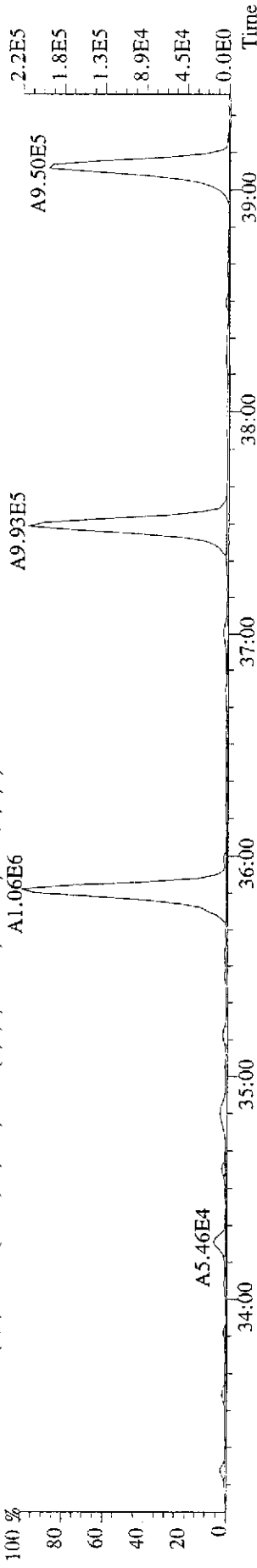
File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE

Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5

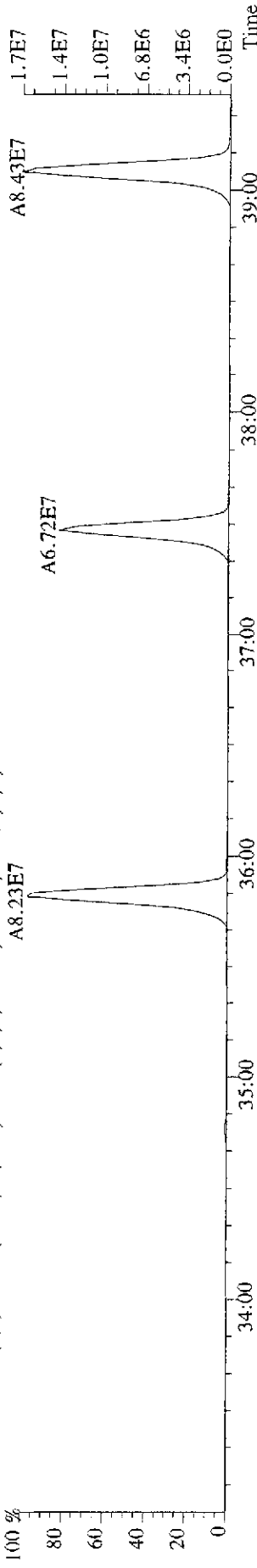
393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6240,0,0.00%,F,T)



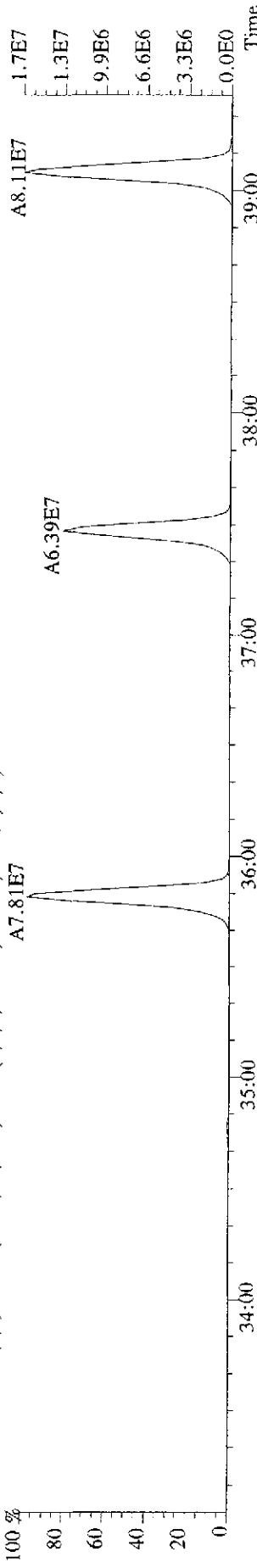
395.7995 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1852,0,0.00%,F,T)



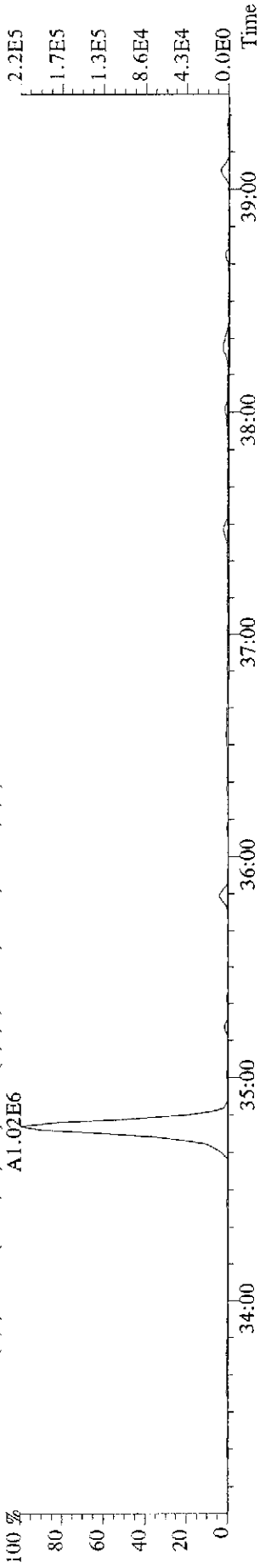
405.8428 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3876,0,0.00%,F,T)



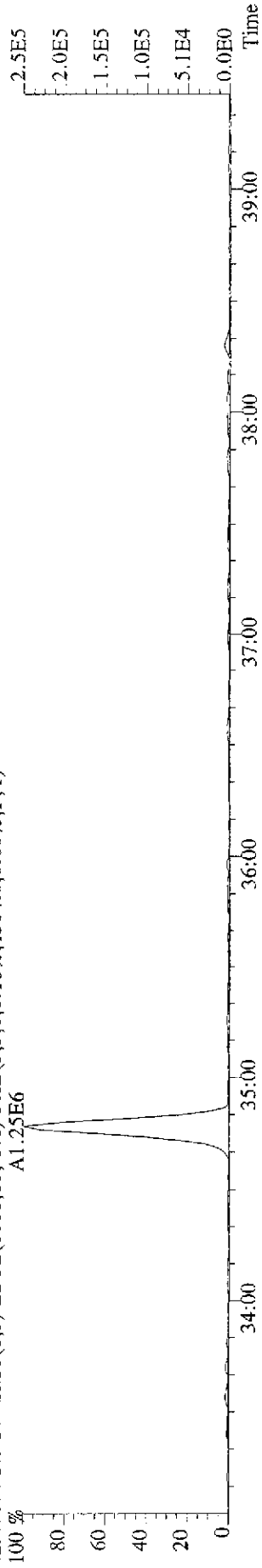
407.8398 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1780,0,0.00%,F,T)



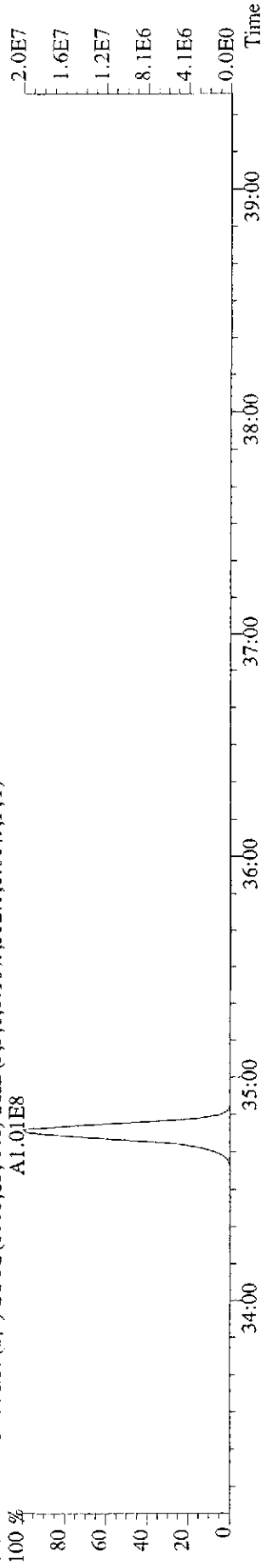
File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 21:14:19 GC EH+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 427.7635 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,812.0,0.00%,F,T)  
 A1.02E6



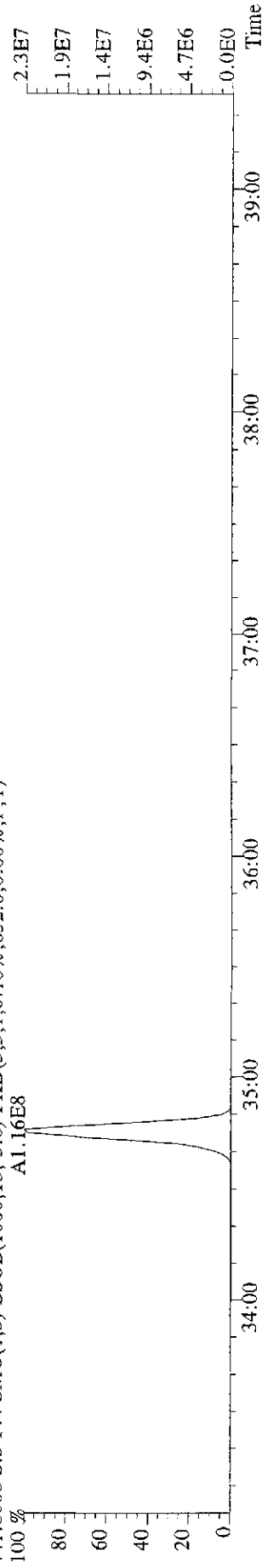
429.7606 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1304.0,0.00%,F,T)  
 A1.25E6



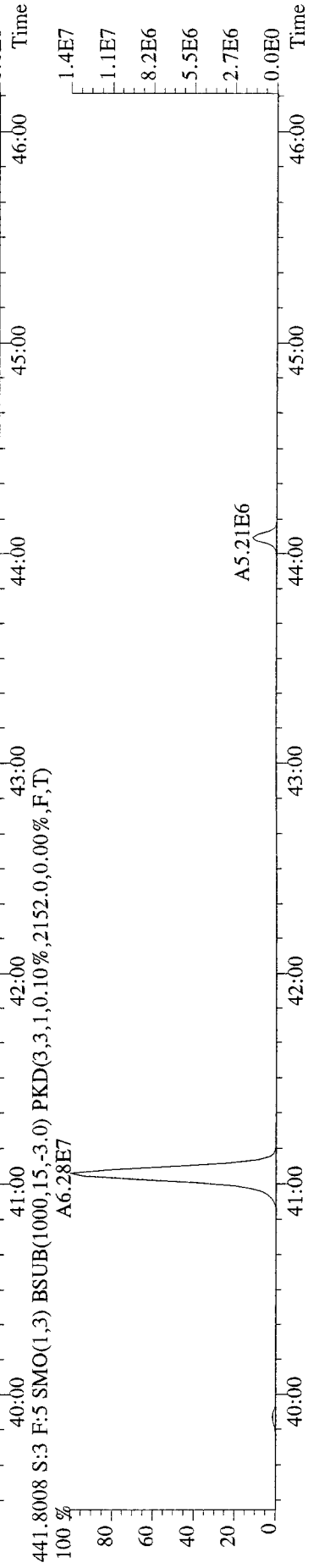
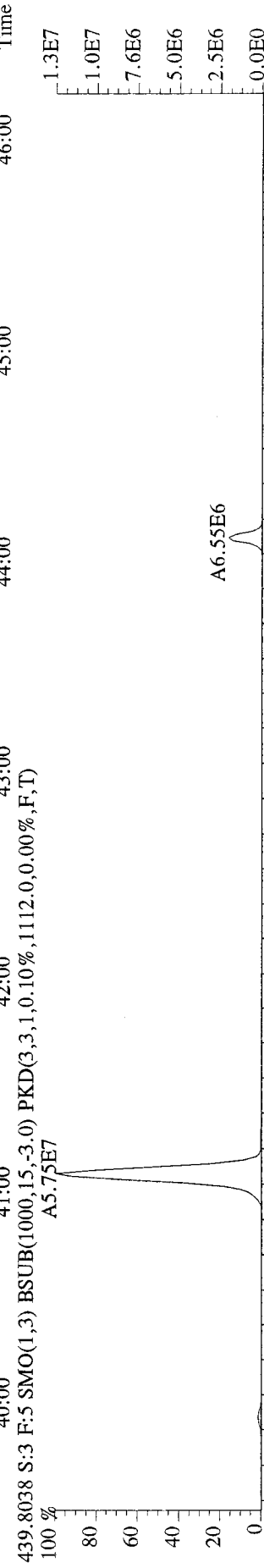
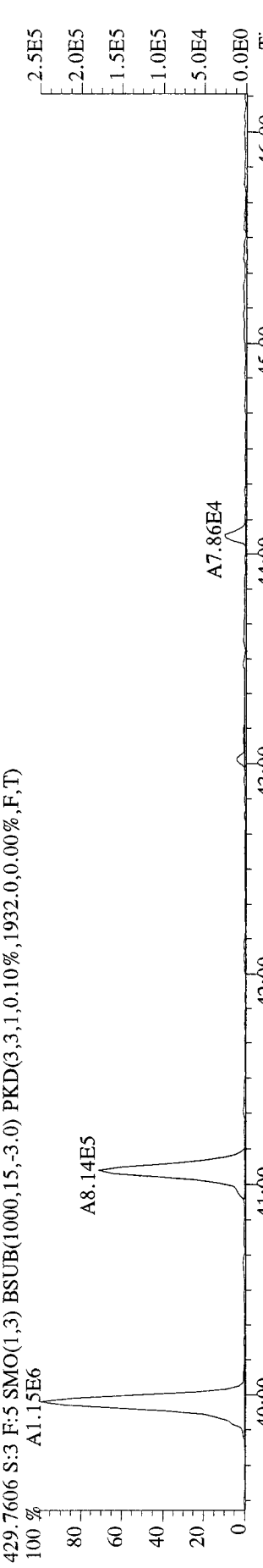
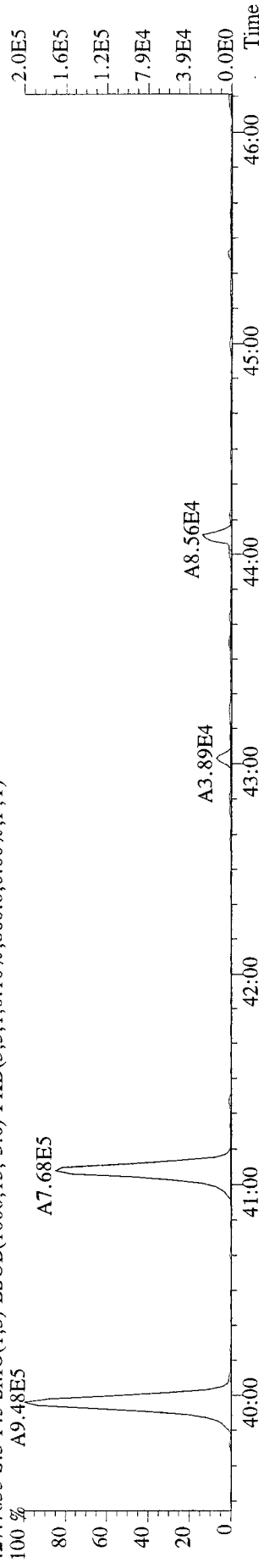
439.8038 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,552.0,0.00%,F,T)  
 A1.01E8



441.8008 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,632.0,0.00%,F,T)  
 A1.16E8

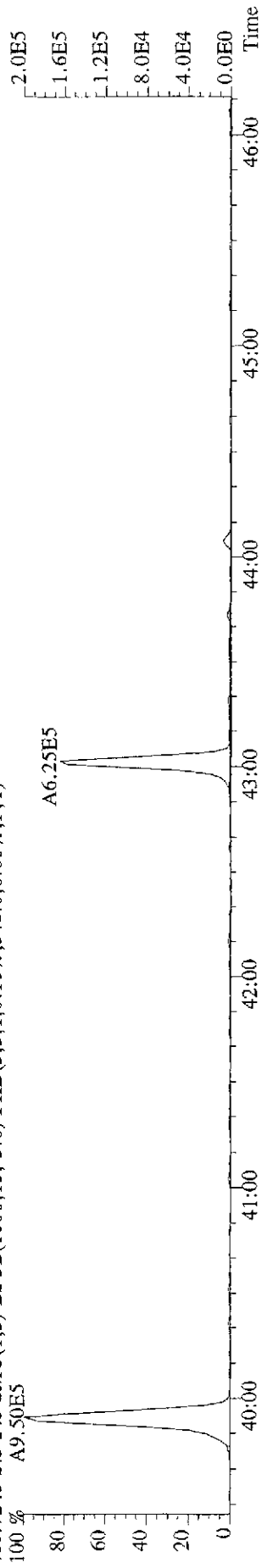


File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 427.7635 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,860.0,0.00%,F,T)

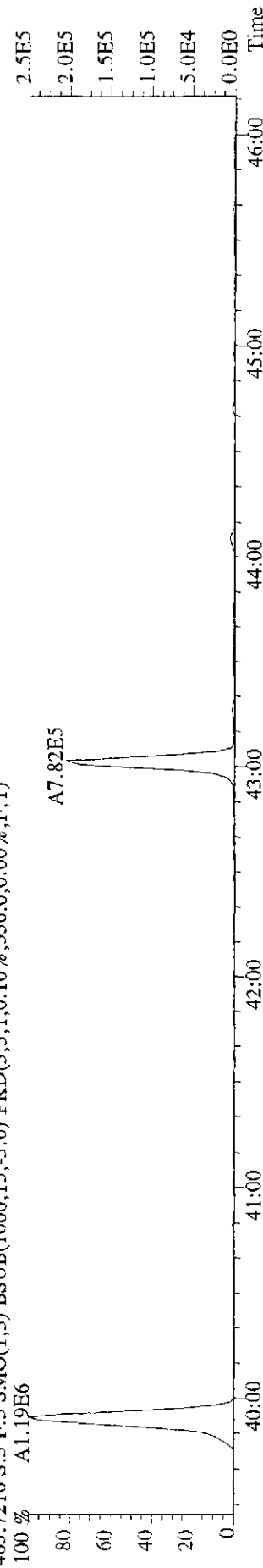


File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE

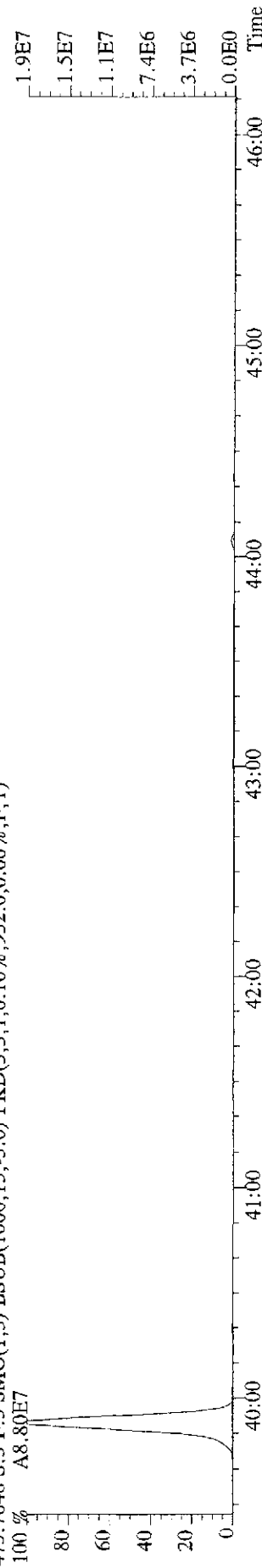
Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
461.7245 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,548.0,0.00%,F,T)



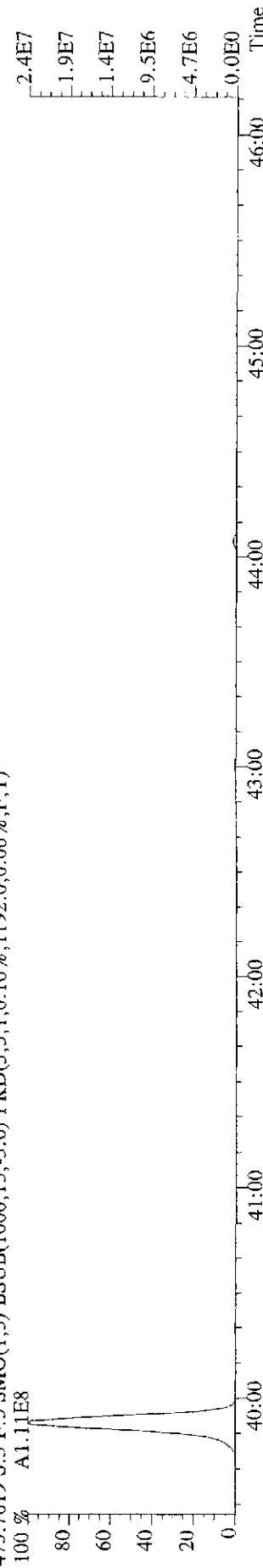
463.7216 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,536.0,0.00%,F,T)



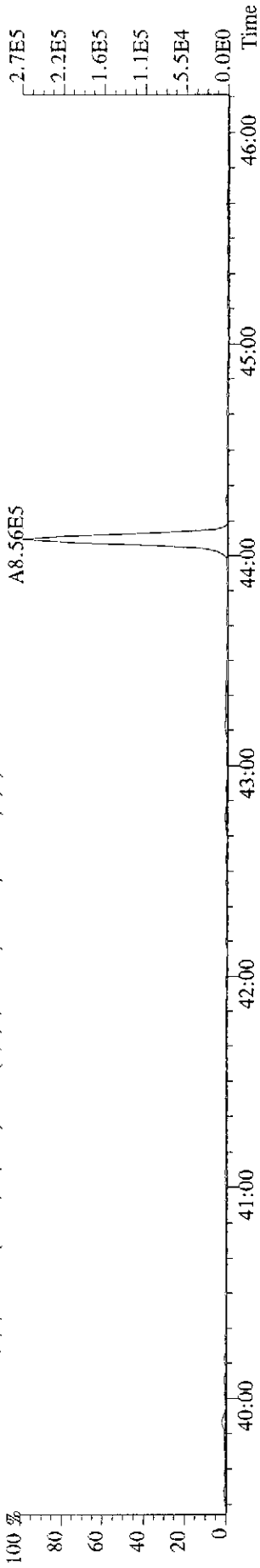
473.7648 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,952.0,0.00%,F,T)



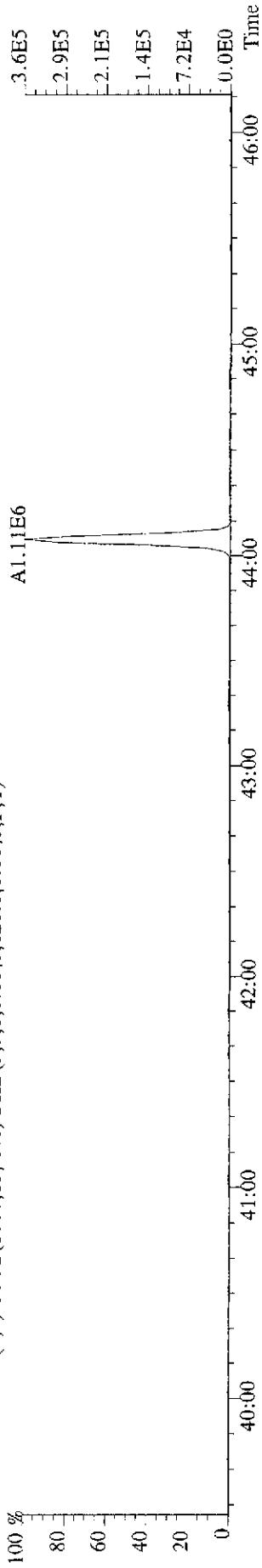
475.7619 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1192.0,0.00%,F,T)



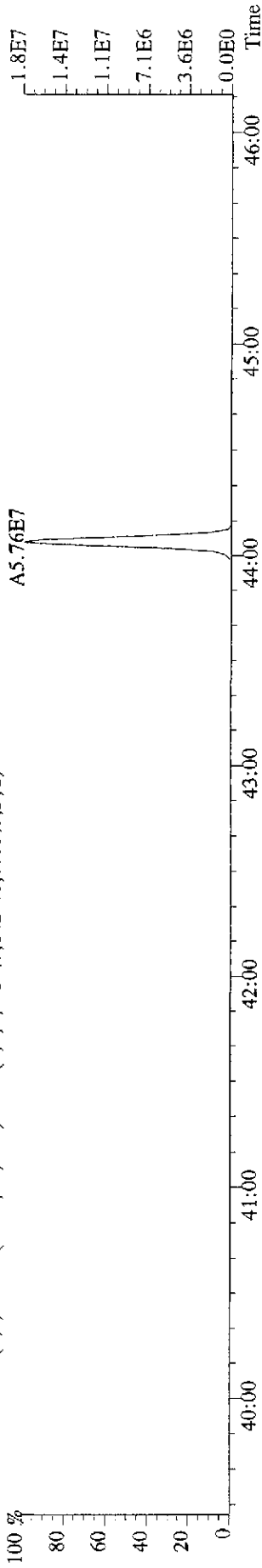
File: 09JL09E9D5 #1-447 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#3 Text: ST0709B :CSI 09DXN205 Exp: 209DB5  
495.6856 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1208.0,0.00%,F,T)



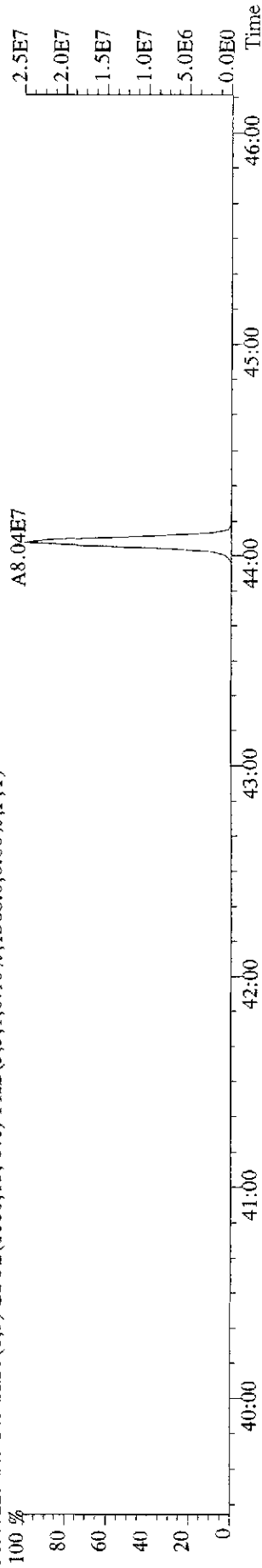
497.6826 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,620.0,0.00%,F,T)



507.7258 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1420.0,0.00%,F,T)



509.7229 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1368.0,0.00%,F,T)

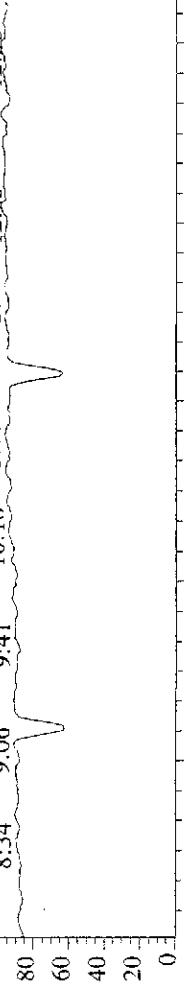


File: 09JL09E9D5 #1-633 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE

Sample#3 Text: ST0709B :CSI 09DXN205 Exp: 209DB5

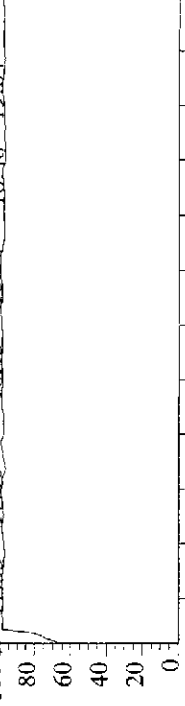
218.9856 S:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)

100% 8:34 9:06 9:41 10:18 10:49 11:27 12:05 12:58 13:27 14:00 14:29 15:08 15:56 16:38



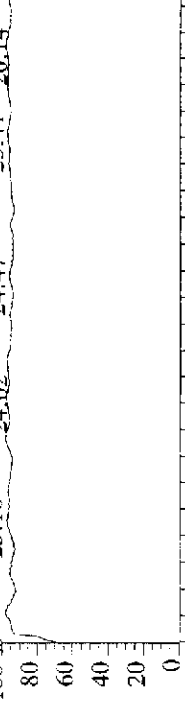
330.9792 S:3 F:2 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)

100% 17:33 17:50 18:13 18:30 18:48 19:04 19:29 19:45 20:14 20:31 20:52 21:09 21:27 21:42 22:19



380.9760 S:3 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)

100% 23:16 24:02 24:47 25:41 26:14 26:50 28:36 29:27 30:00 30:50 31:25 32:03 32:44 33:06



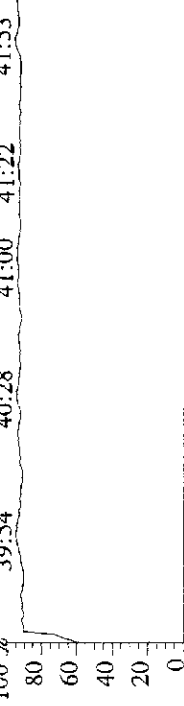
380.9760 S:3 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)

100% 33:40 34:23 34:54 35:31 36:13 36:33 37:14 37:54 38:22 39:06 39:06



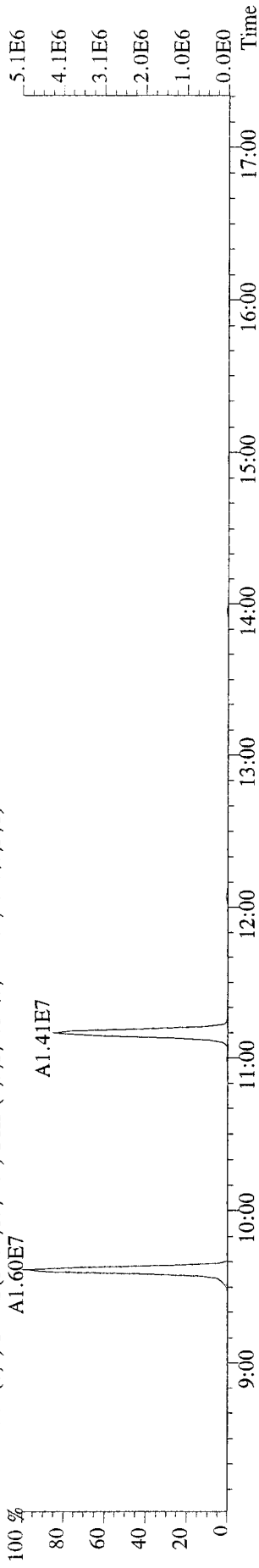
480.9696 S:3 F:5 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)

100% 39:54 40:28 41:00 41:22 41:53 42:39 43:22 43:54 44:26 44:51 45:24 45:44 46:00

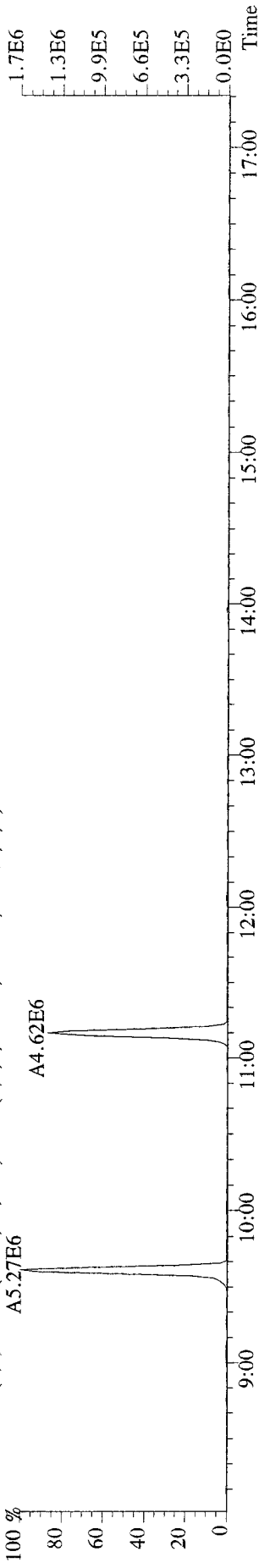




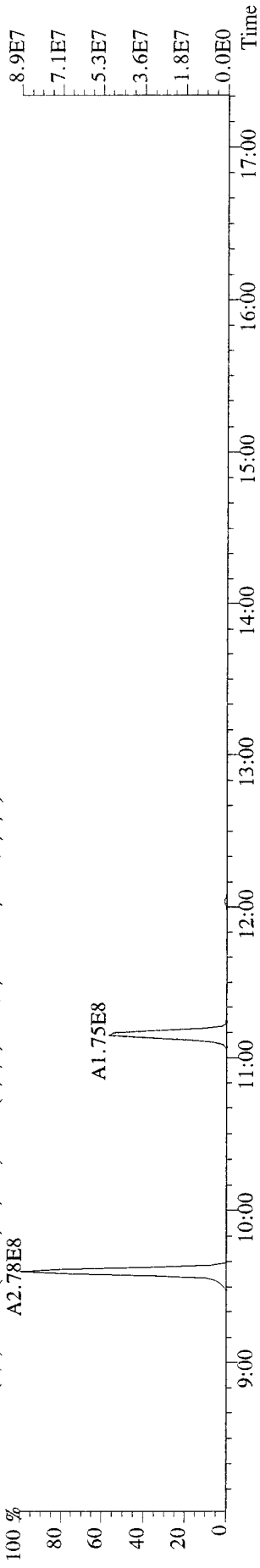
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 188.0393 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4540,0,0,00%,F,T)  
 100 %



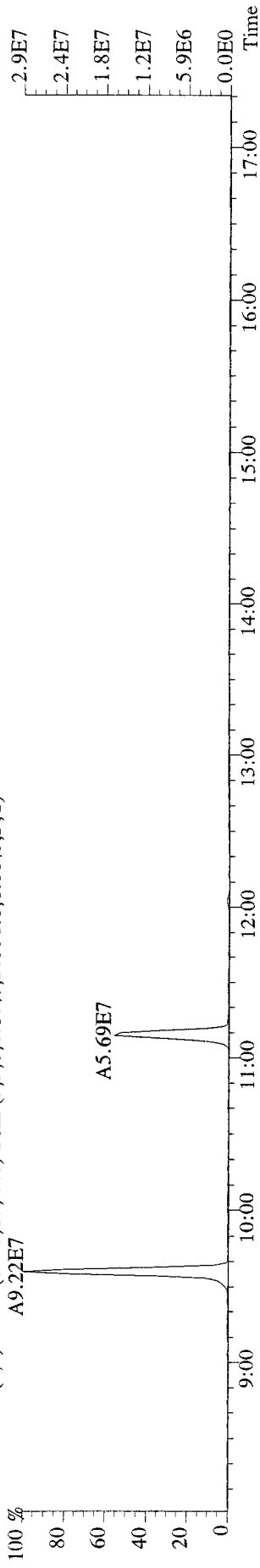
190.0363 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2584,0,0,00%,F,T)  
 100 %



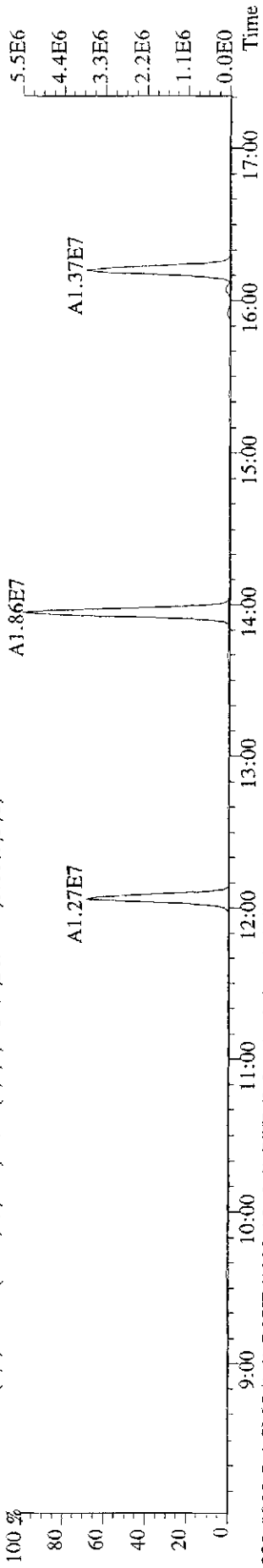
200.0795 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10332,0,0,00%,F,T)  
 100 %



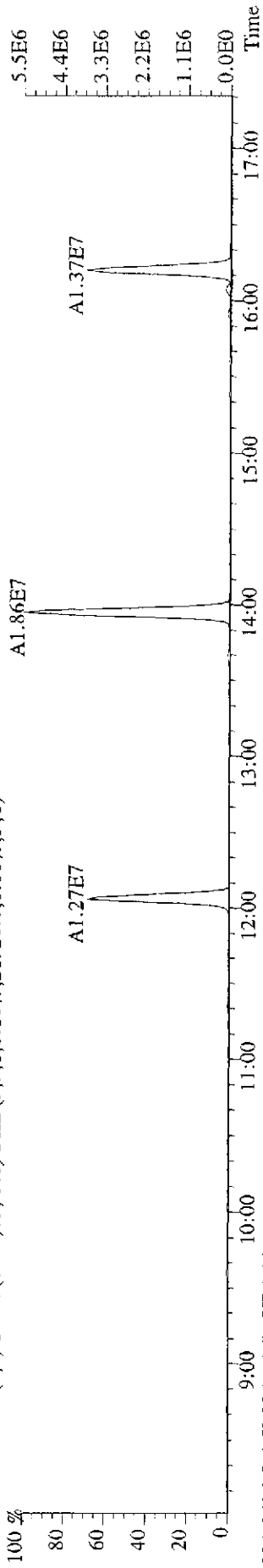
202.0766 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,50936,0,0,00%,F,T)  
 100 %



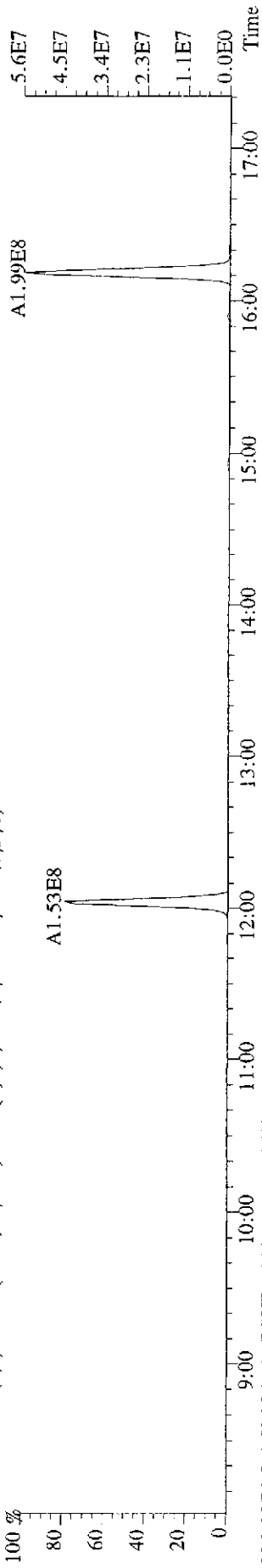
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 222.0003 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,21928.0,0.00%,F,T)



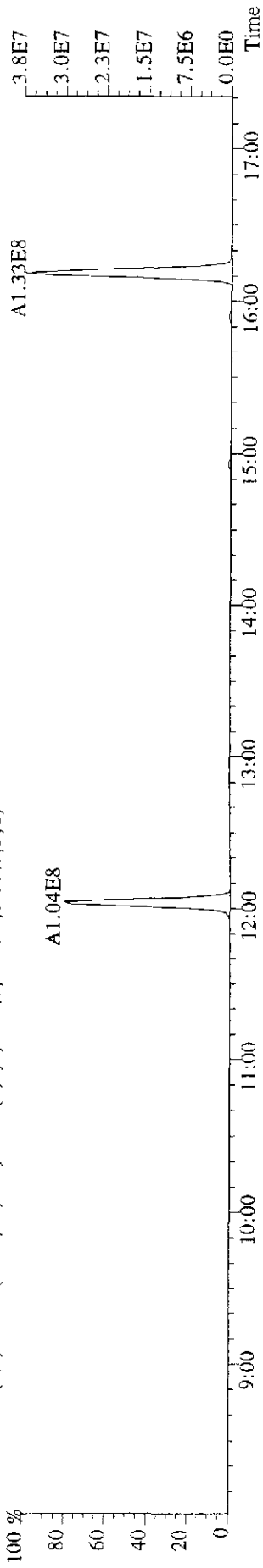
222.0003 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,21928.0,0.00%,F,T)



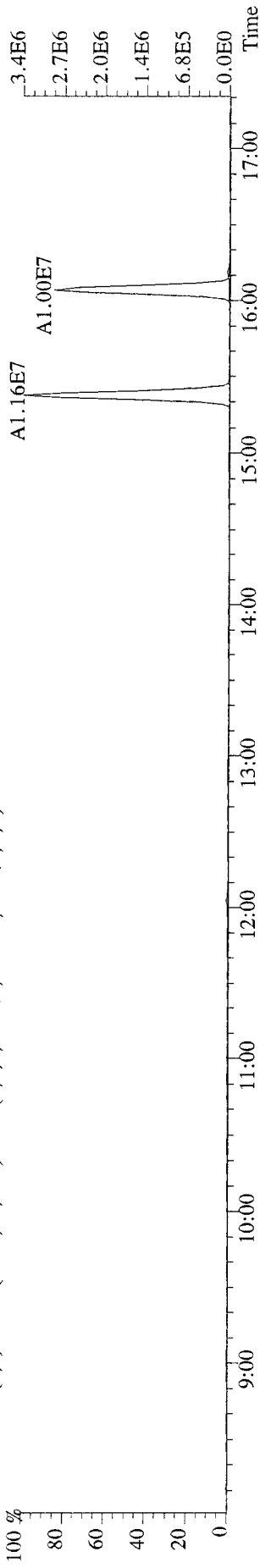
234.0406 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5948.0,0.00%,F,T)



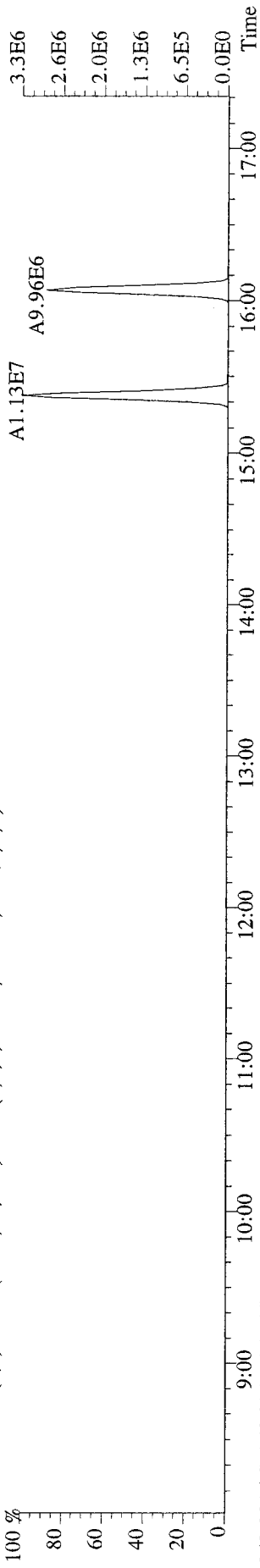
236.0376 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5644.0,0.00%,F,T)



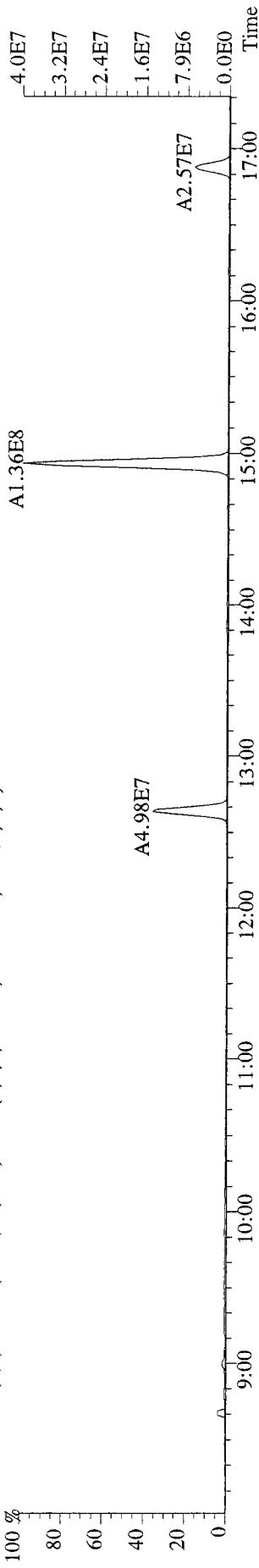
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 255.9613 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6152.0,1.00%,F,T)



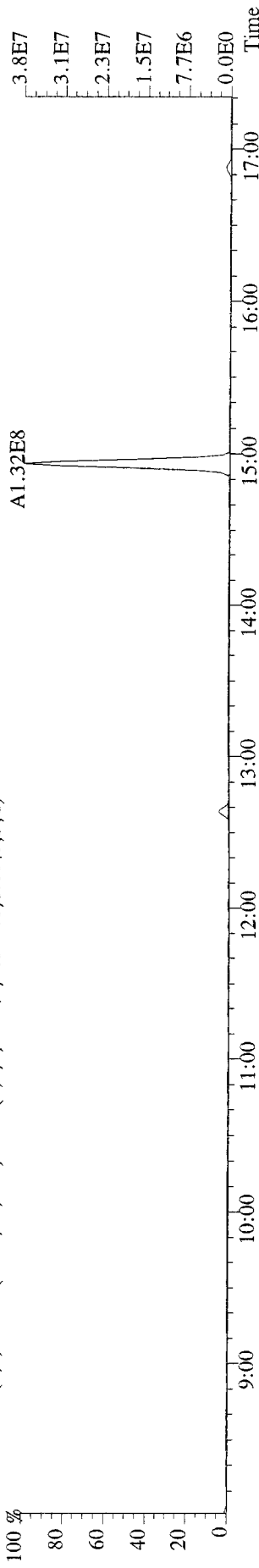
257.9584 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3020.0,1.00%,F,T)



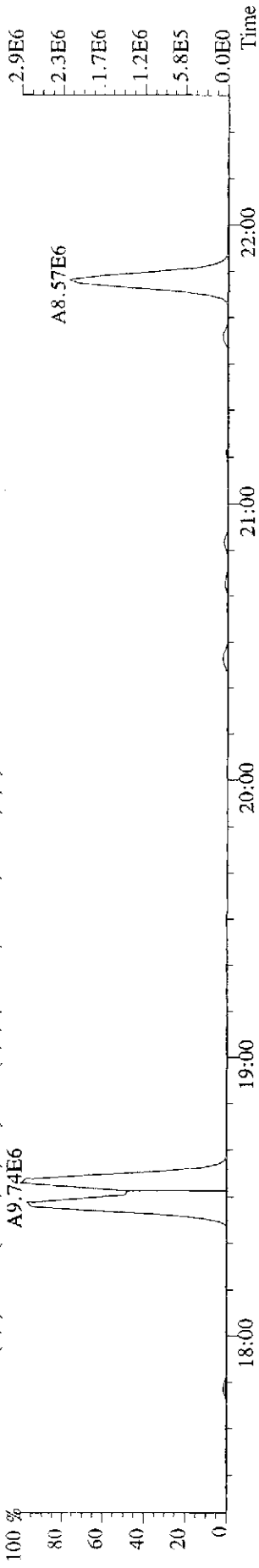
268.0016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,157340.0,1.00%,F,T)



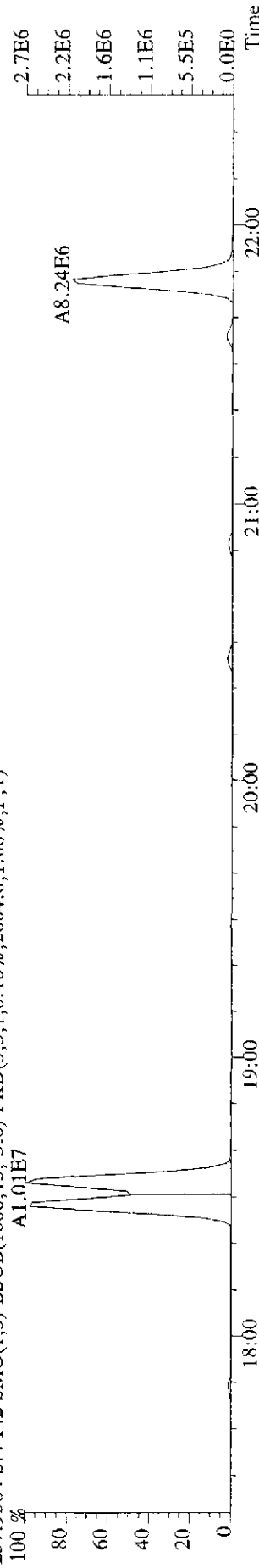
269.9986 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,91268.0,1.00%,F,T)



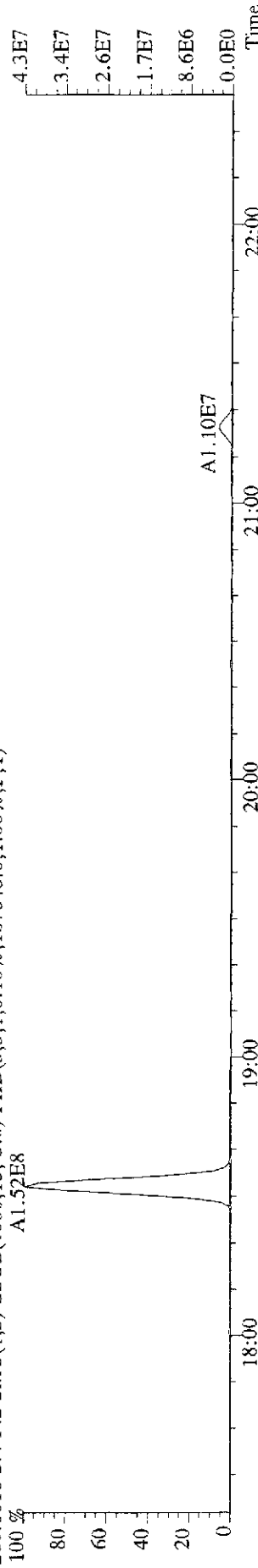
File: 09JL09E9D5 #1-372 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text: ST0709C :CS2 09DXN206 Exp:209DB5  
 2.55.9613 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6588.0,1.00%,F,T)



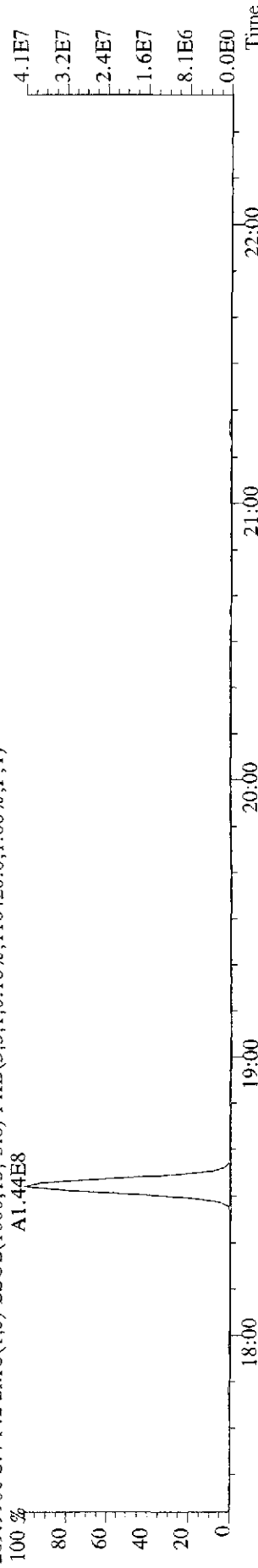
257.9584 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2664.0,1.00%,F,T)



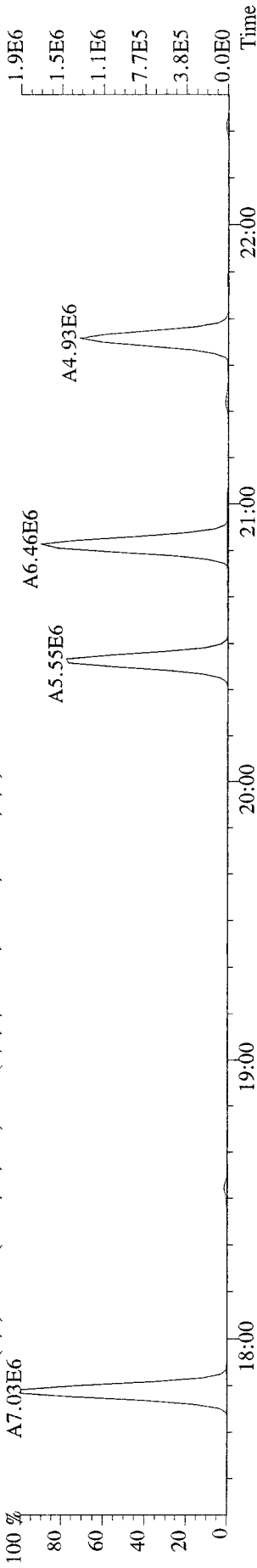
268.0016 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,107048.0,1.00%,F,T)



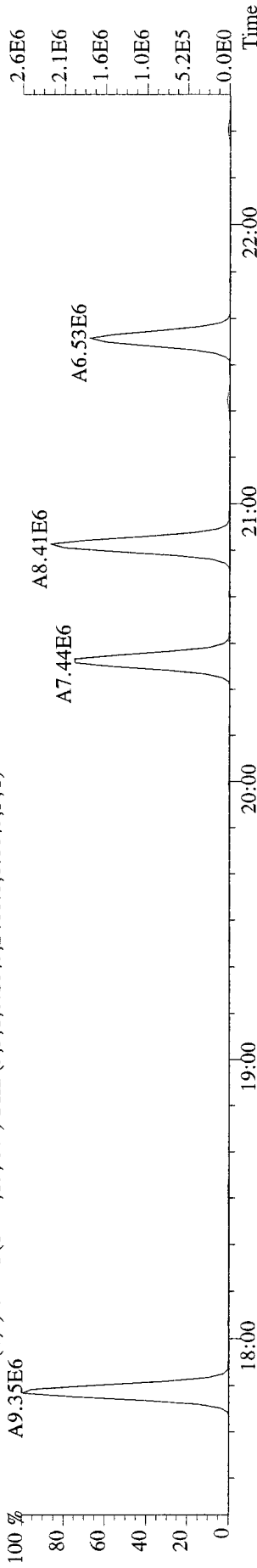
269.9986 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,116420.0,1.00%,F,T)



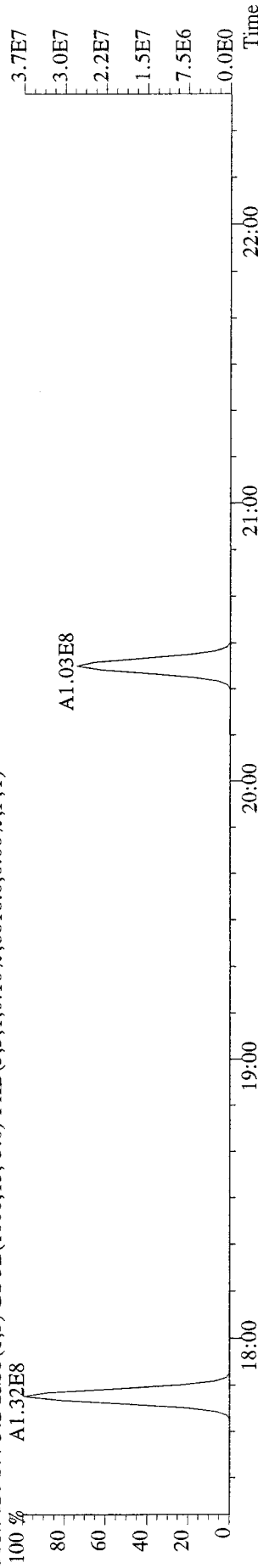
File: 09JL09E9D5 #1-372 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text: ST0709C :CS2 09DXN206 Exp: 209DB5  
 289.9224 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1340.0,0.00%,F,T)  
 100 % A7.03E6



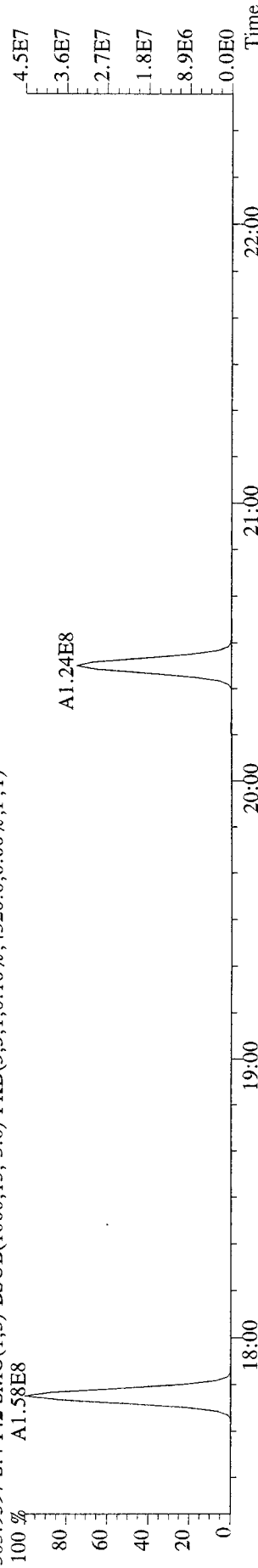
291.9194 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2468.0,0.00%,F,T)  
 100 % A9.35E6



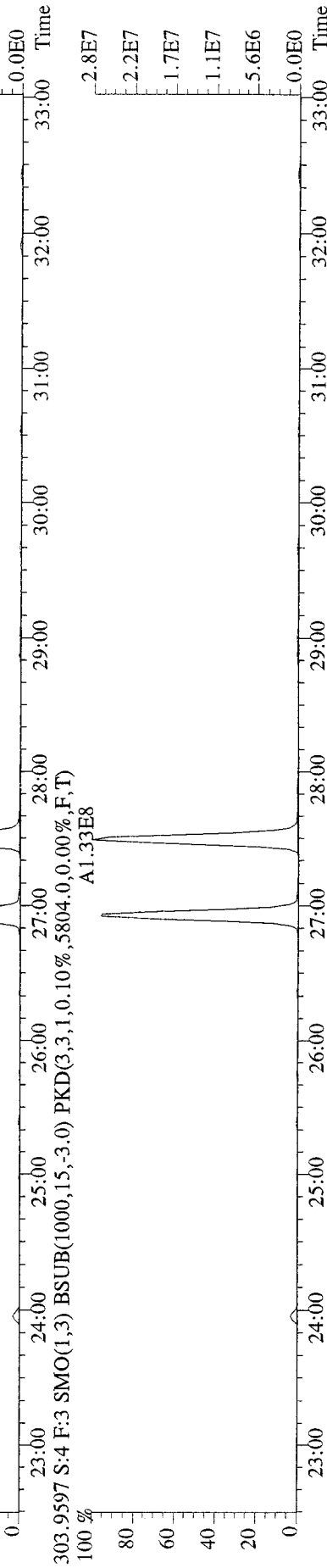
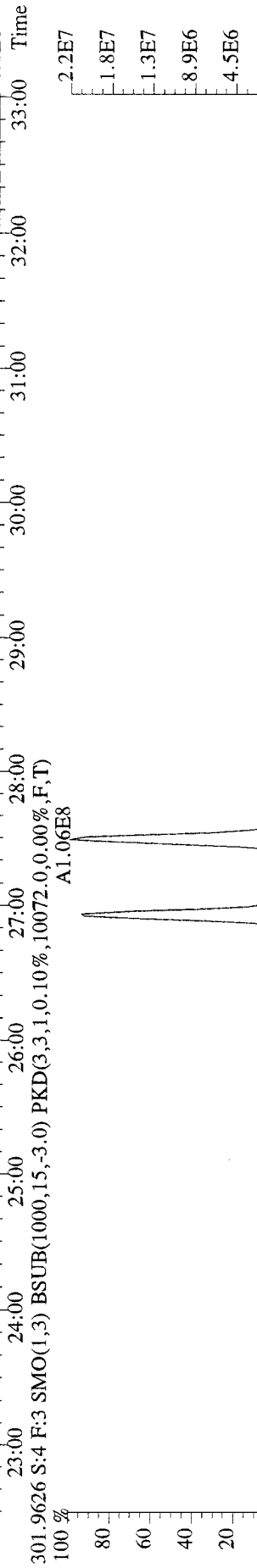
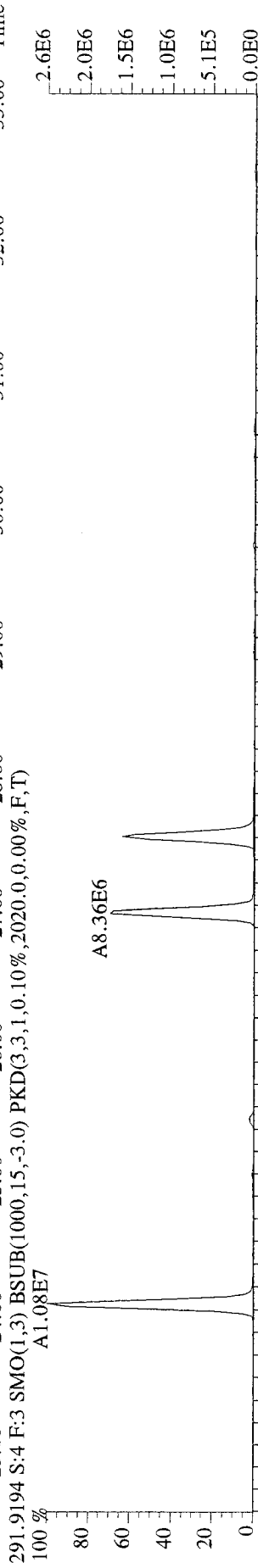
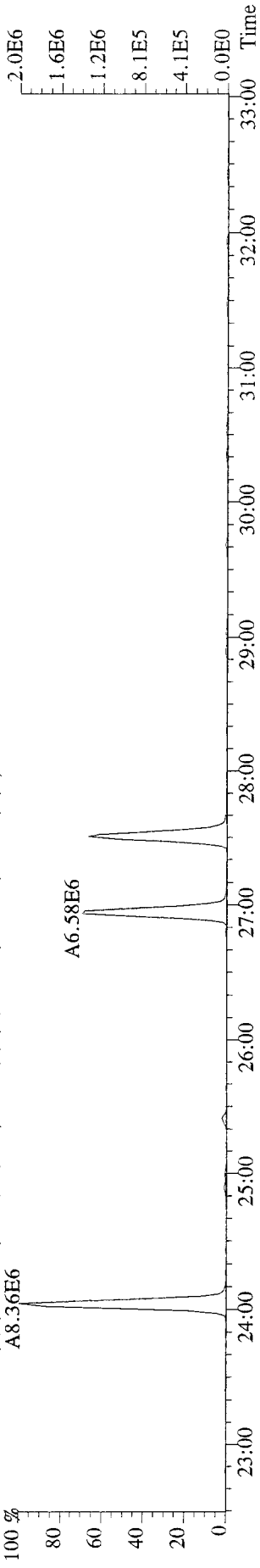
301.9626 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8816.0,0.00%,F,T)  
 100 % A1.32E8



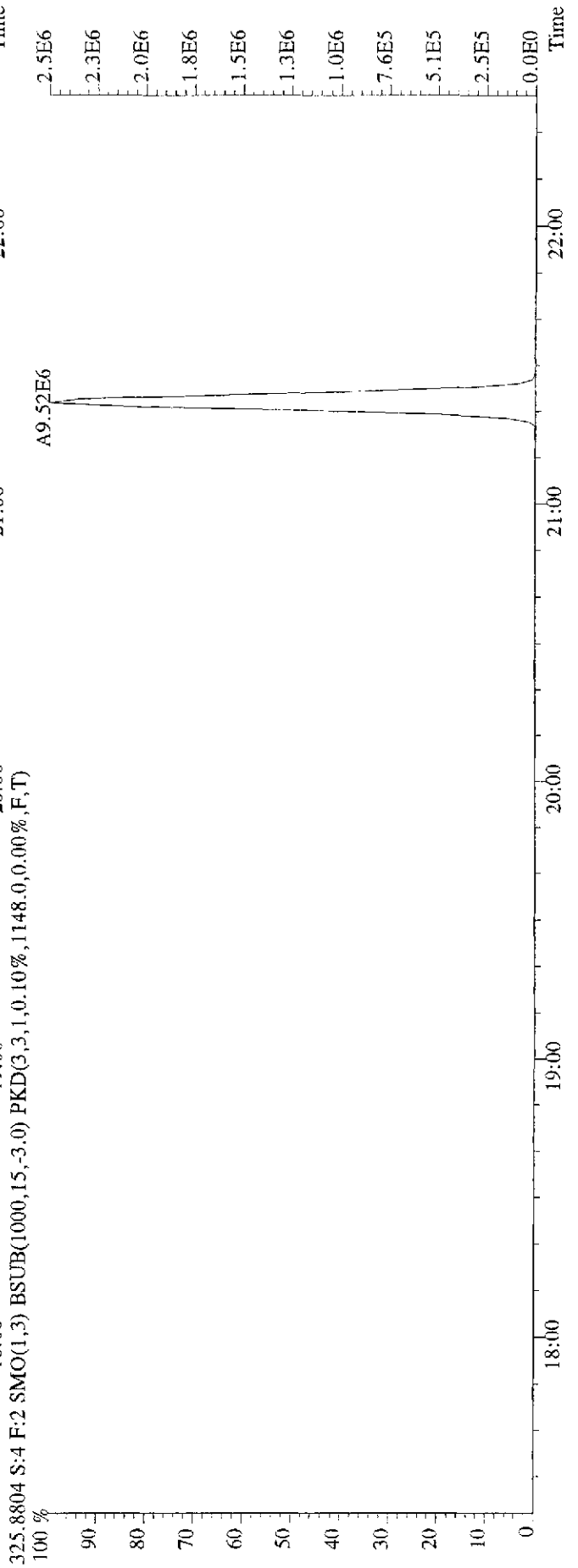
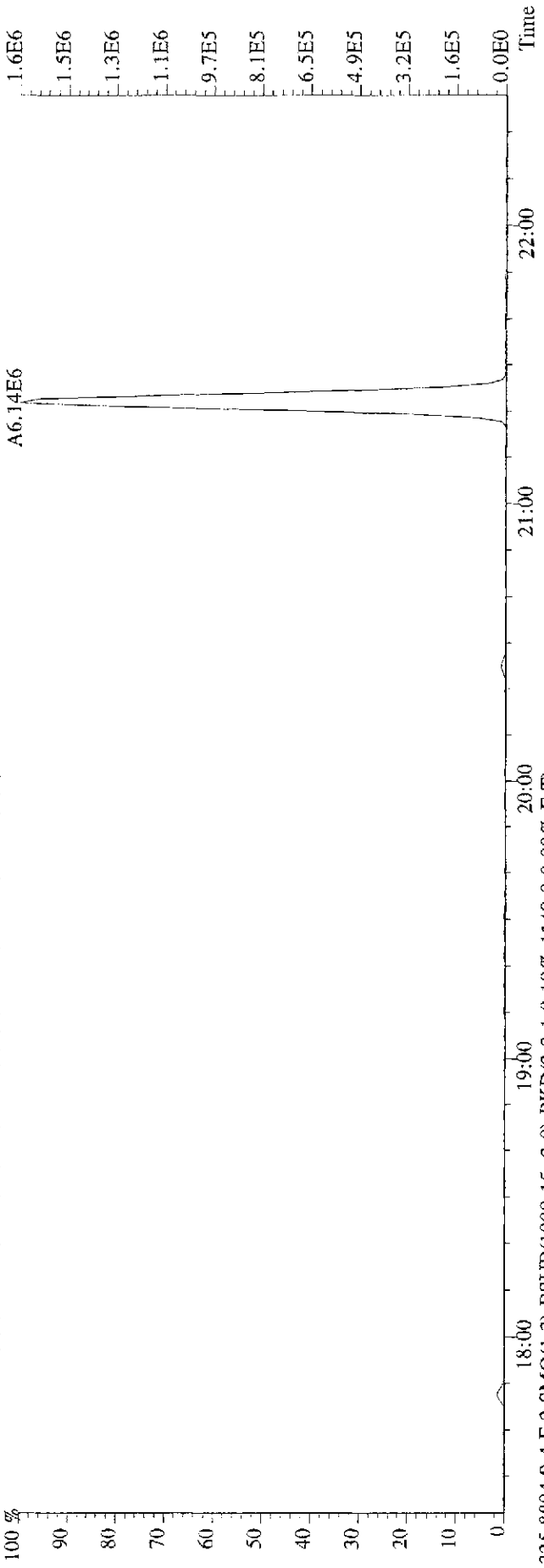
303.9597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4520.0,0.00%,F,T)  
 100 % A1.58E8



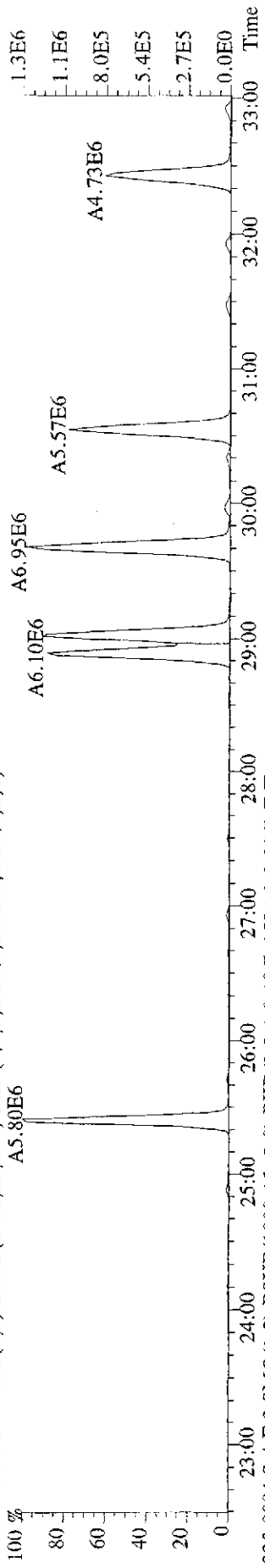
File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,1.0%,2116.0,0.00%,F,T)  
 100 % A8.36E6



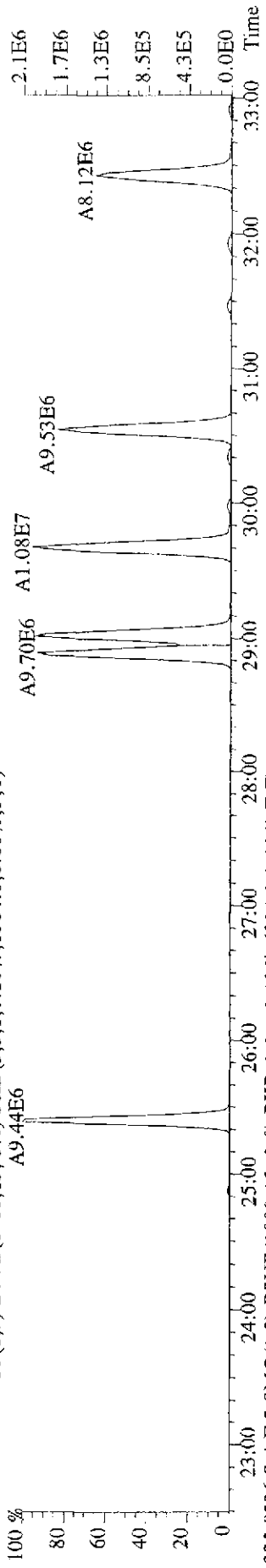
File:09JL09E9D5 #1-372 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#4 Text:ST0709C ;CS2 09DXN206 Exp:209DB5  
323.8834 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1640.0,0.00%,F,T)



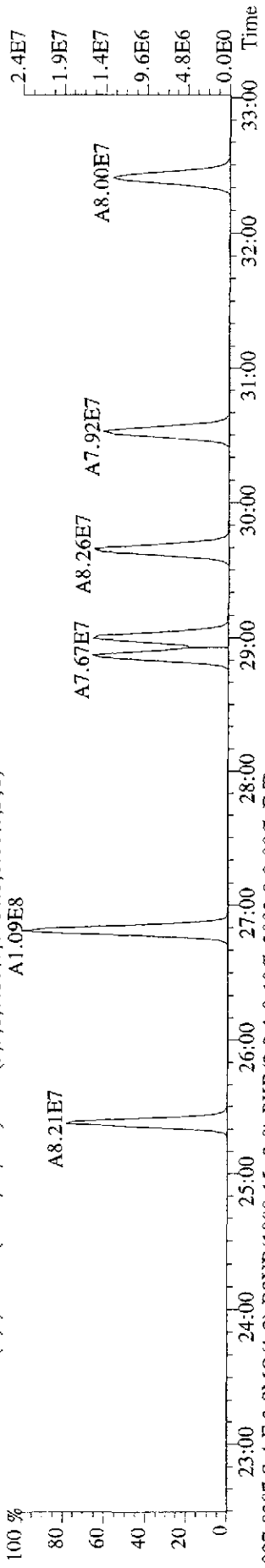
File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 323.8834 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,1732.0,0.00%,F,T)  
 A5.80E6



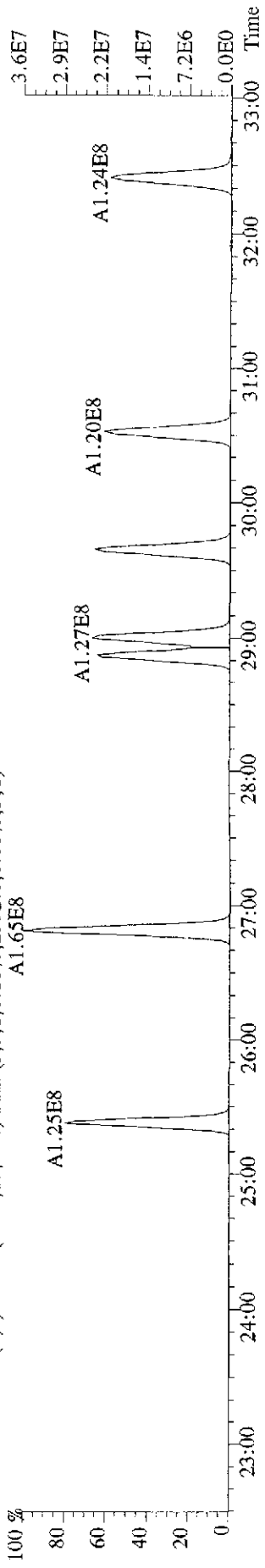
325.8804 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,1584.0,0.00%,F,T)  
 A9.44E6



335.9236 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,6824.0,0.00%,F,T)  
 A1.09E8

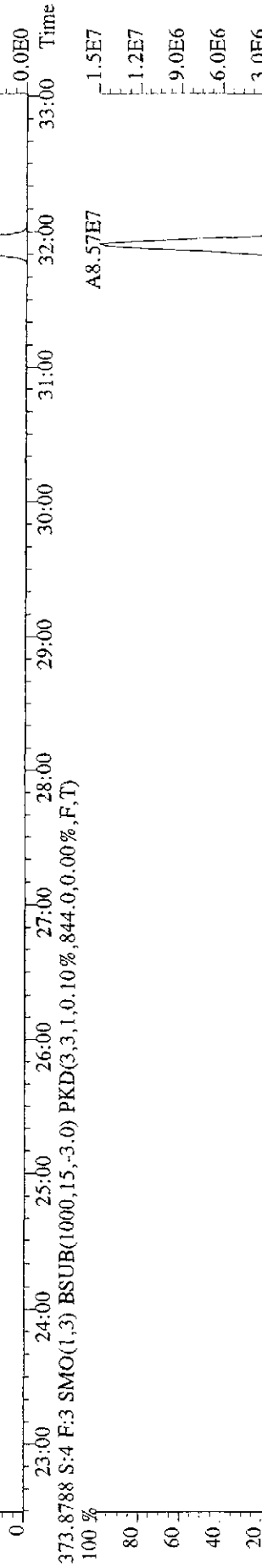
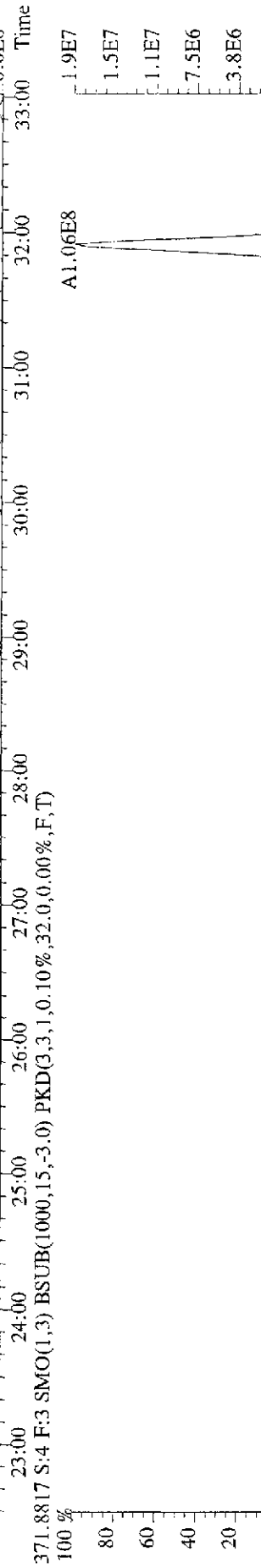
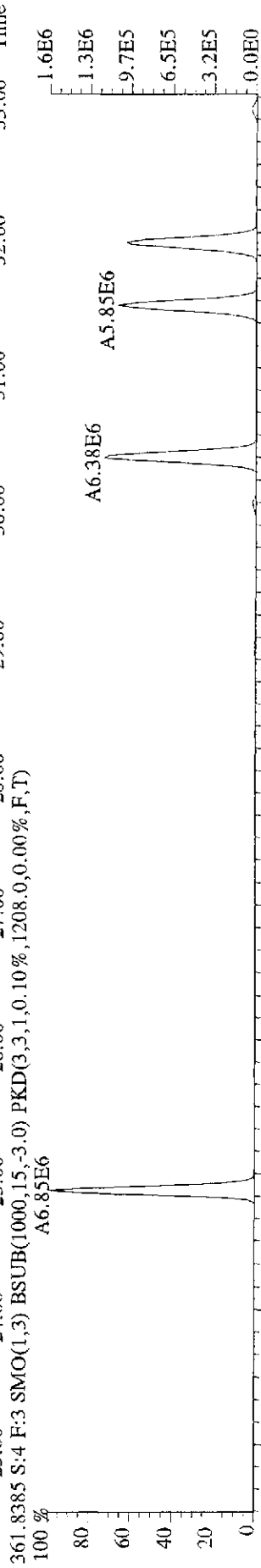
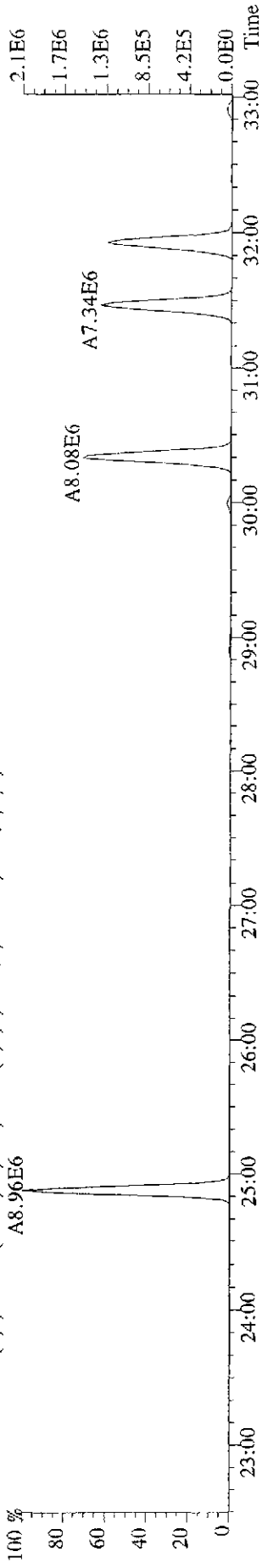


337.9207 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,2992.0,0.00%,F,T)  
 A1.65E8



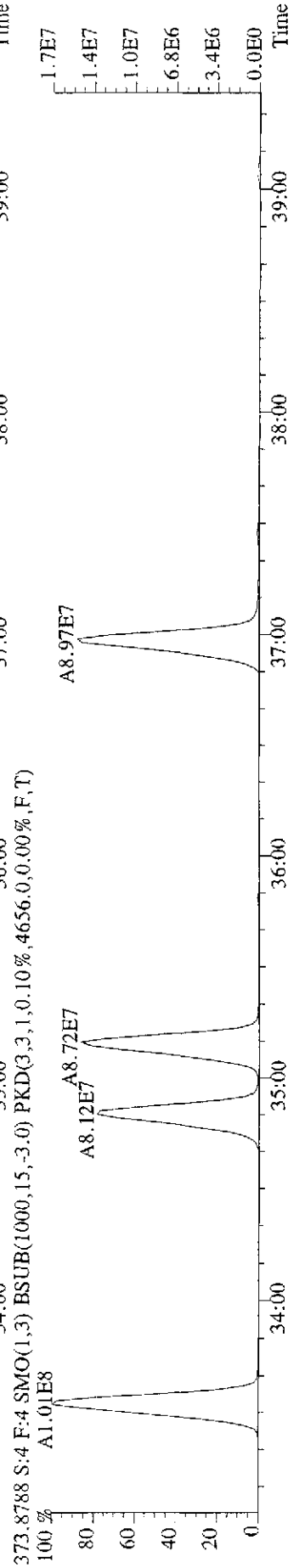
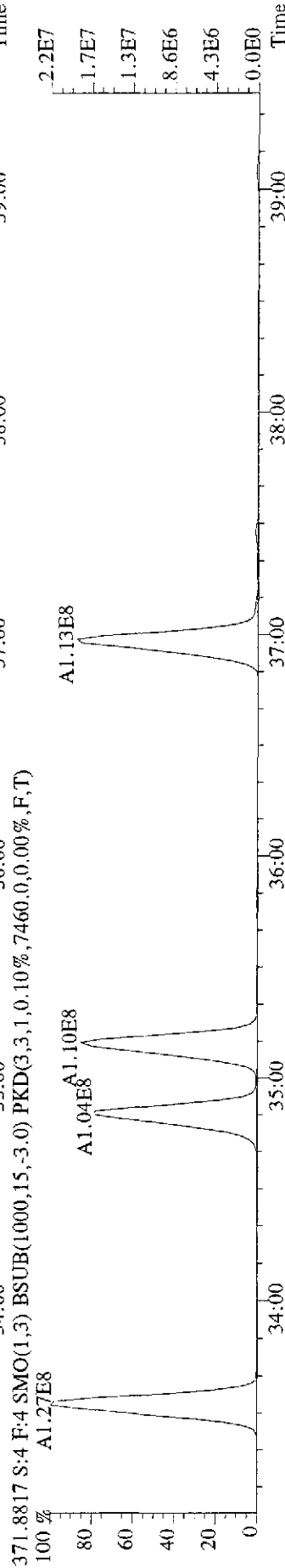
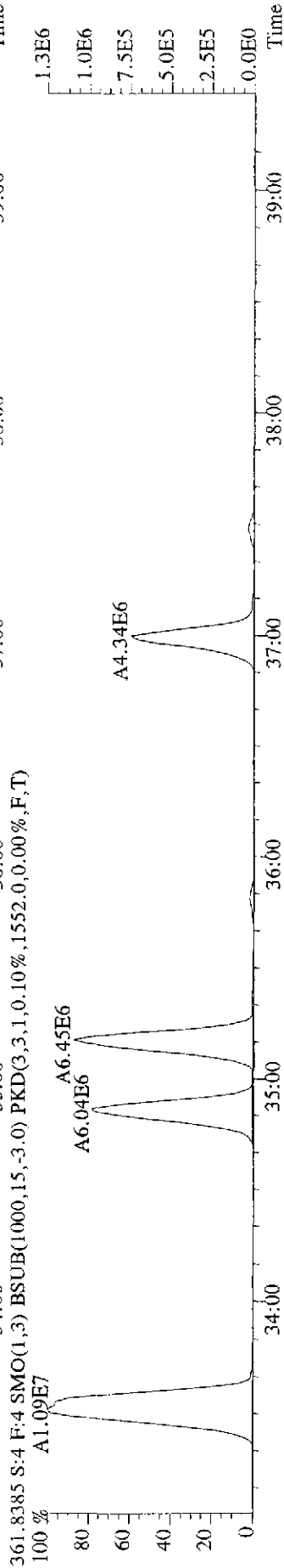
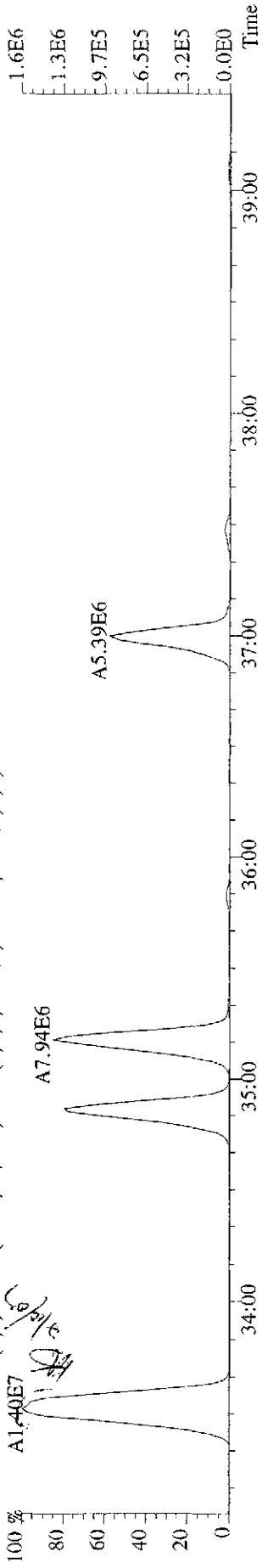


File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 359.8415 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1532.0,0.00%,F,T)  
 100 % A8.96E6

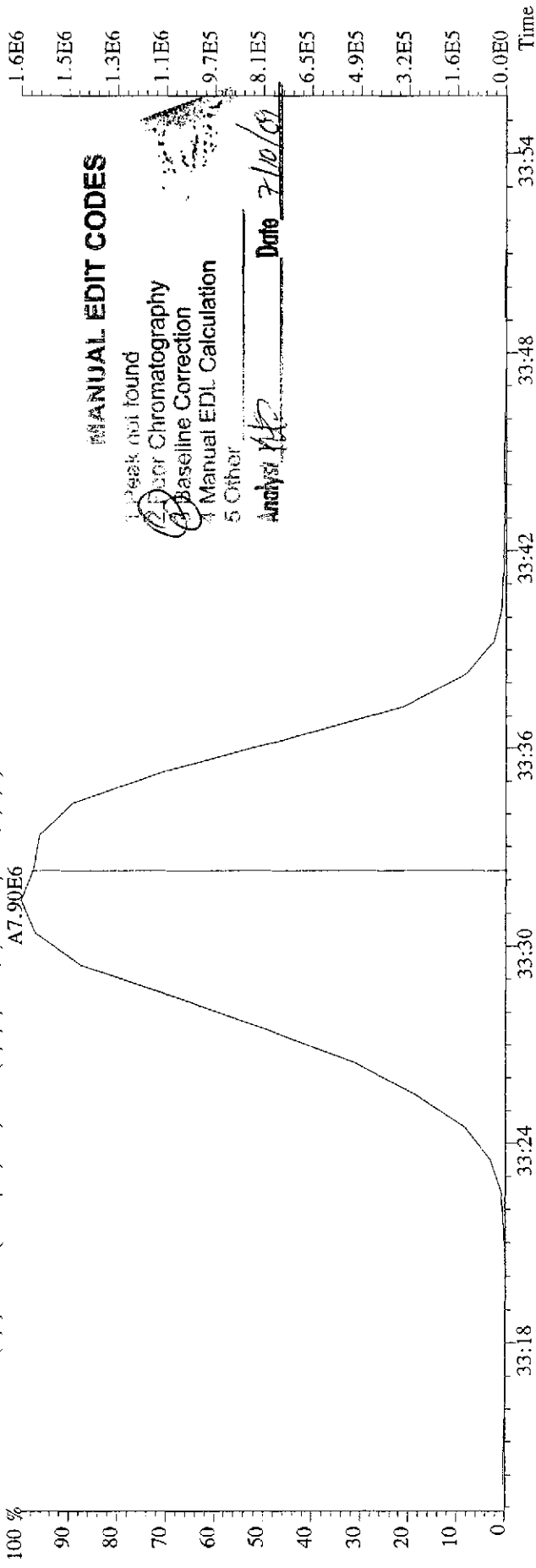


File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE

Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1328.0,0.00%,F,T)



File:09L09E9D5 #1-390 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,1328.0,0.00%,F,T)  
 A7.90E6

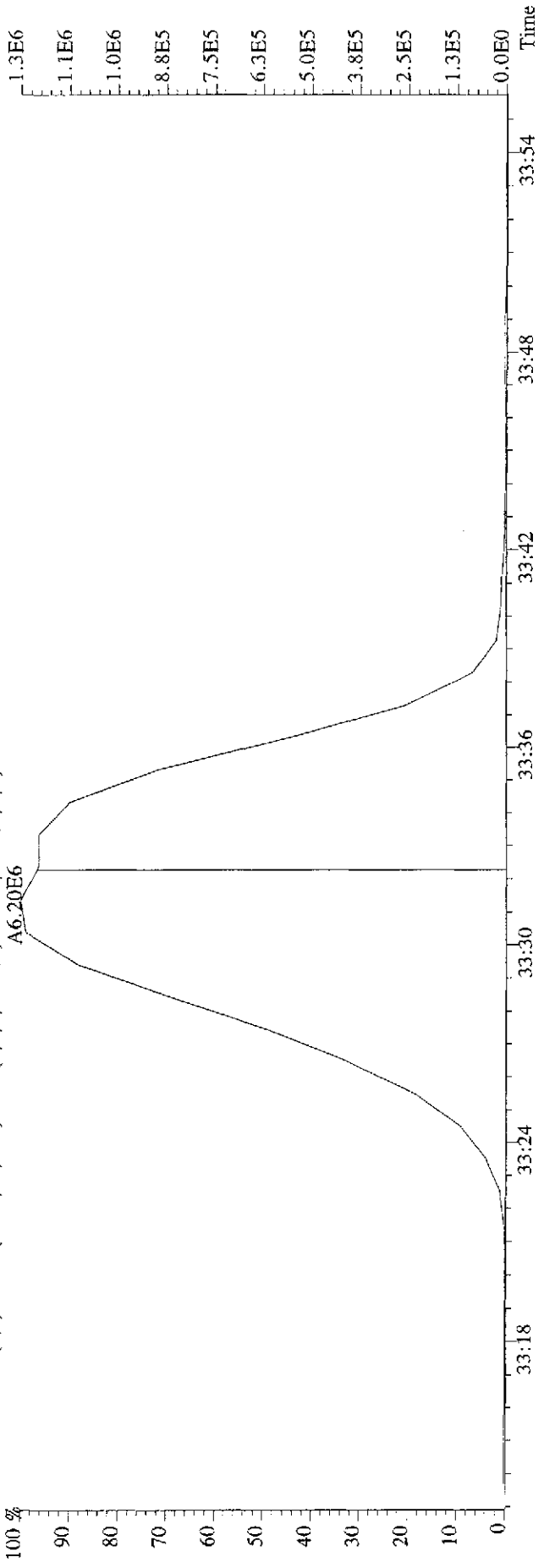


**MANUAL EDIT CODES**

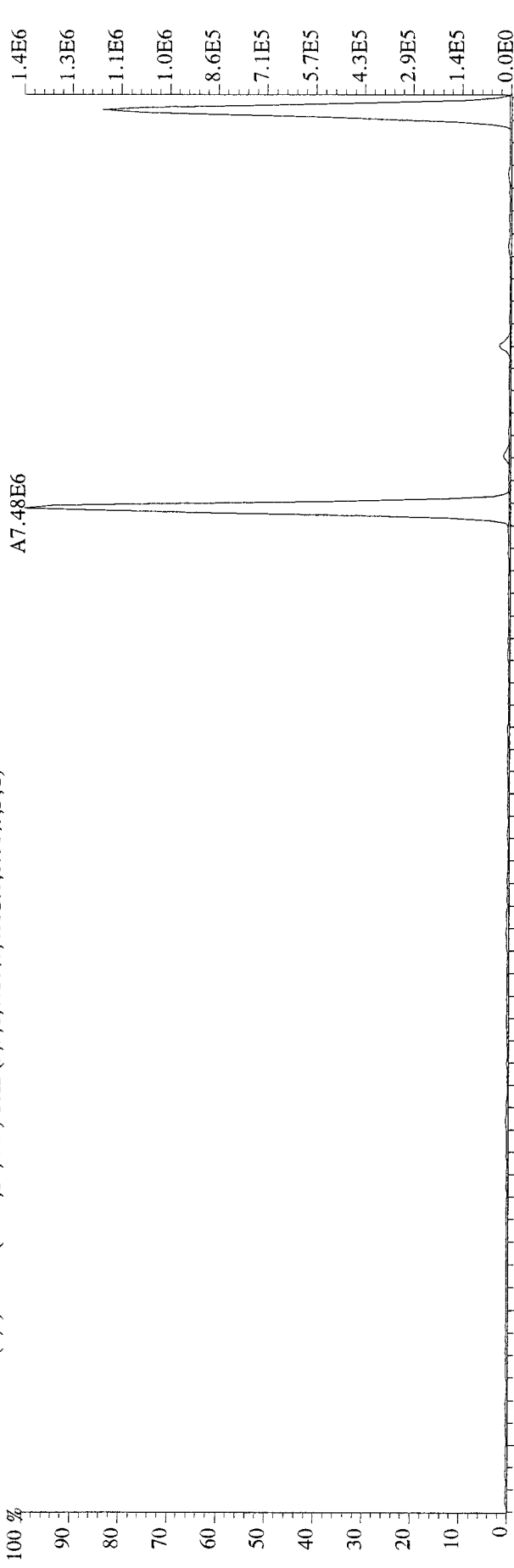
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst: *ME* Date: *7/10/09*

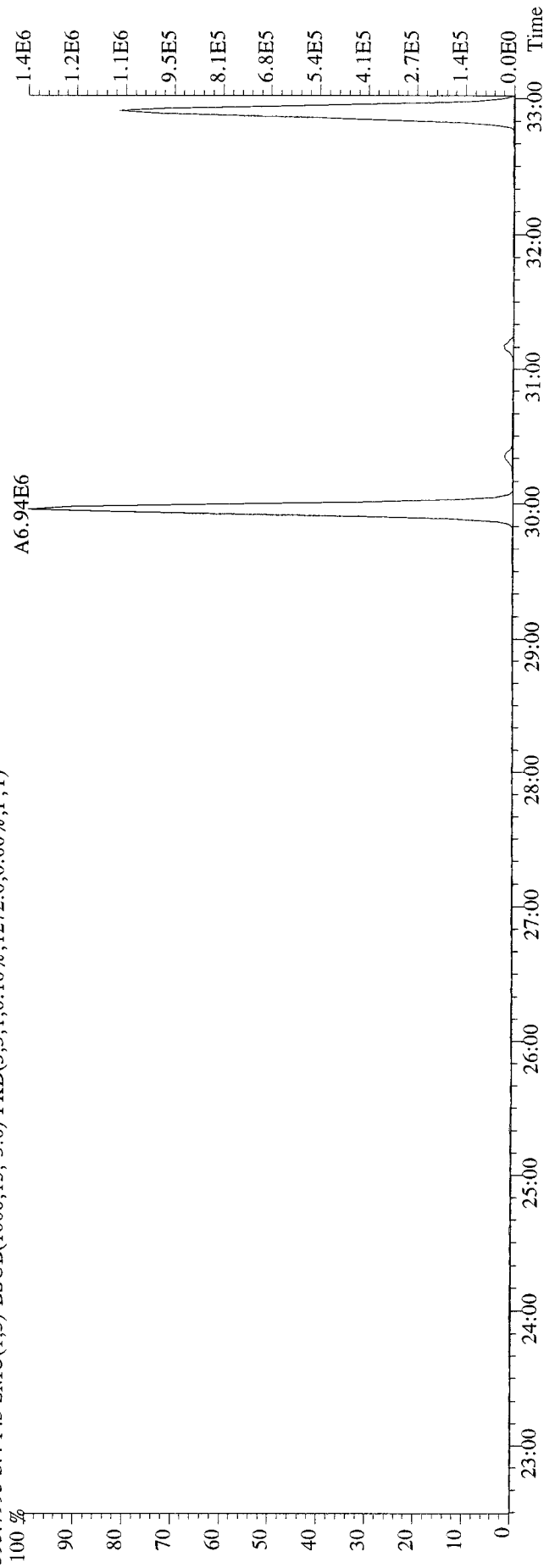
361.8385 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,1552.0,0.00%,F,T)  
 A6.20E6



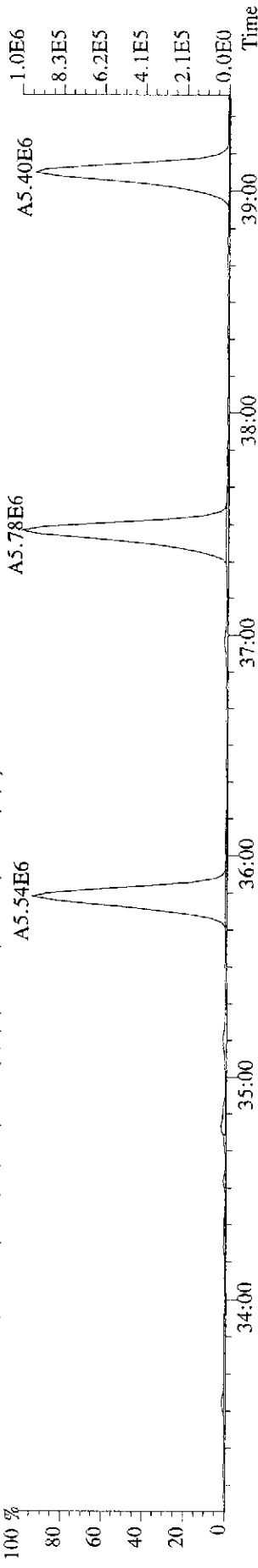
File:09JUL09E9D5 #1-593 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 393.8025 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4552.0,0.00%,F,T)



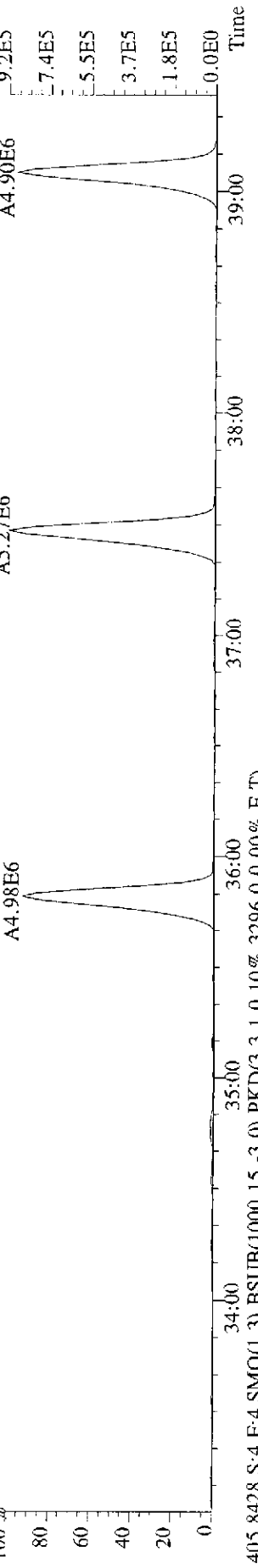
395.7995 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1272.0,0.00%,F,T)



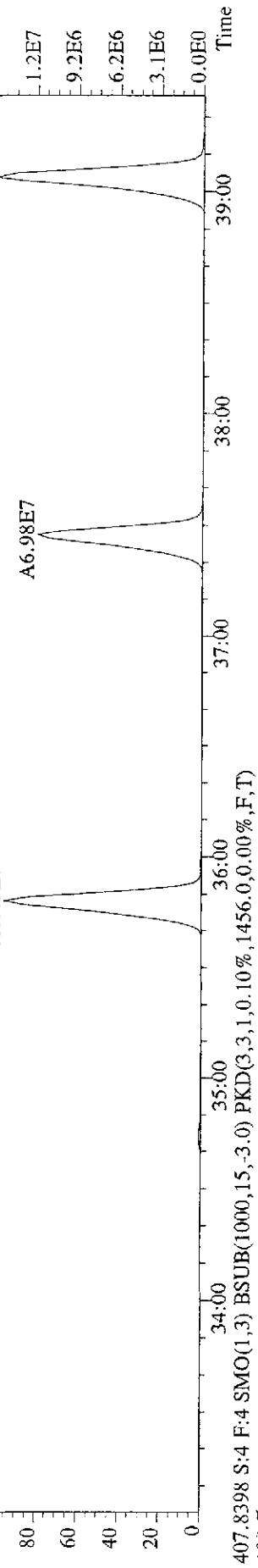
File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Tex:ST0709C :CS2 09DXN206 Exp:209DB5  
 393.8025 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5640.0,0.00%,F,T)



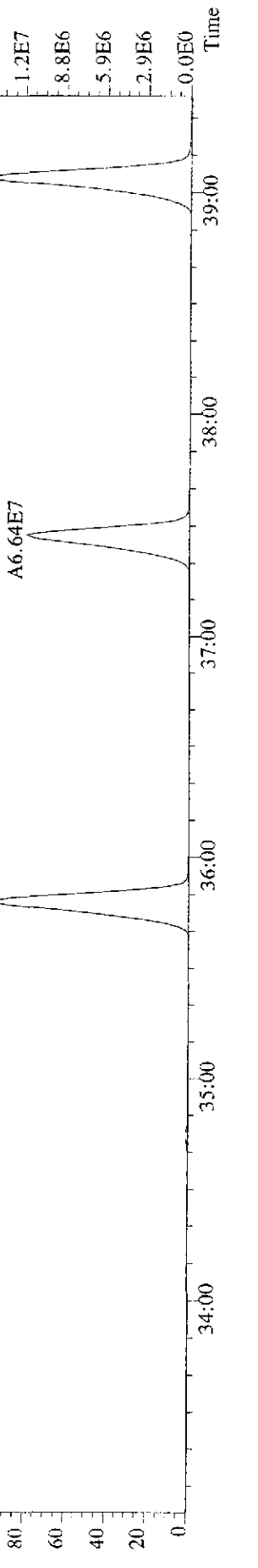
395.7995 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1536.0,0.00%,F,T)



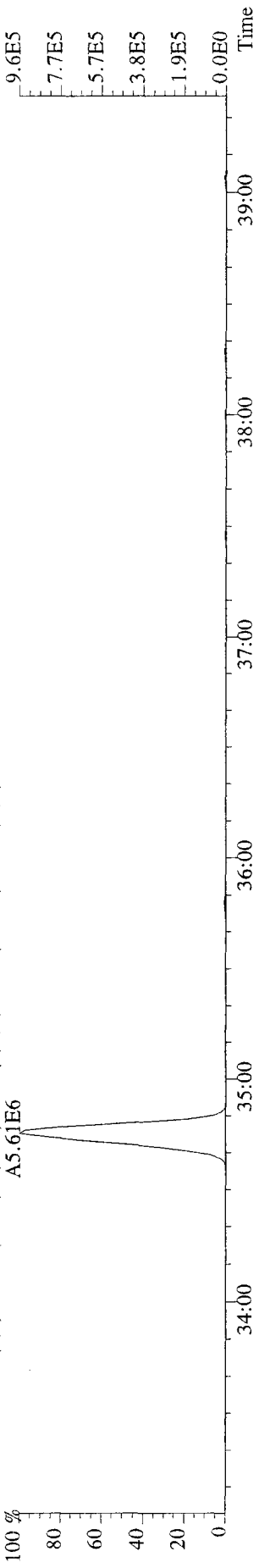
405.8428 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3296.0,0.00%,F,T)



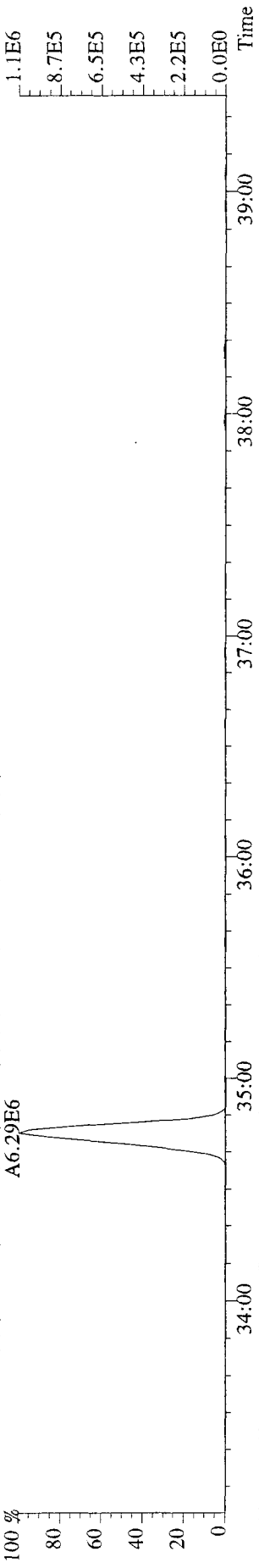
407.8398 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1456.0,0.00%,F,T)



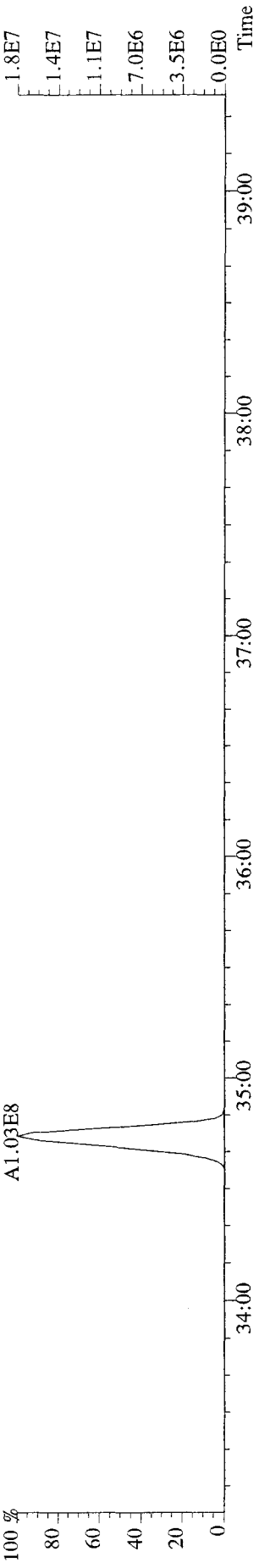
File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 427.7635 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,504.0,0.00%,F,T)  
 A5.61E6



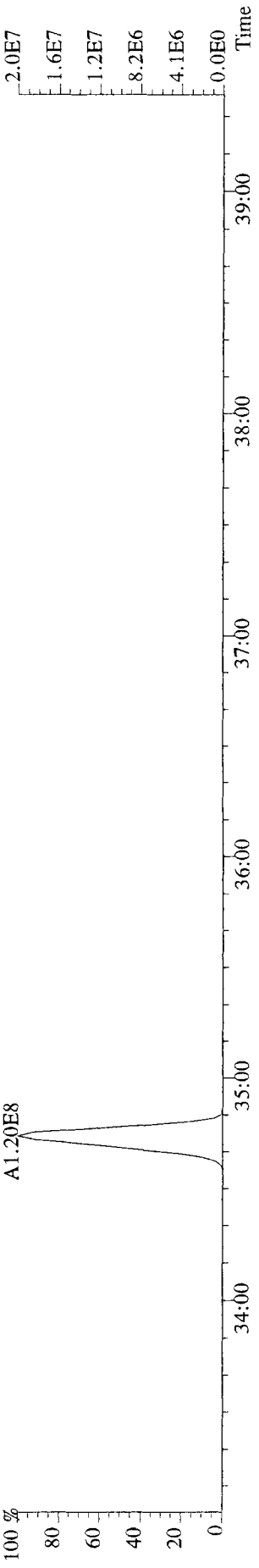
429.7606 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1160.0,0.00%,F,T)  
 A6.29E6



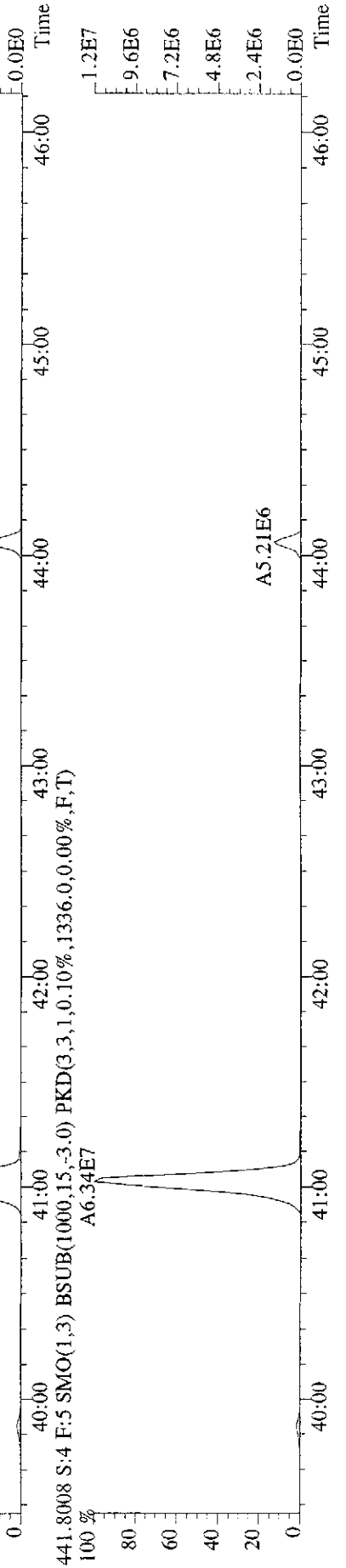
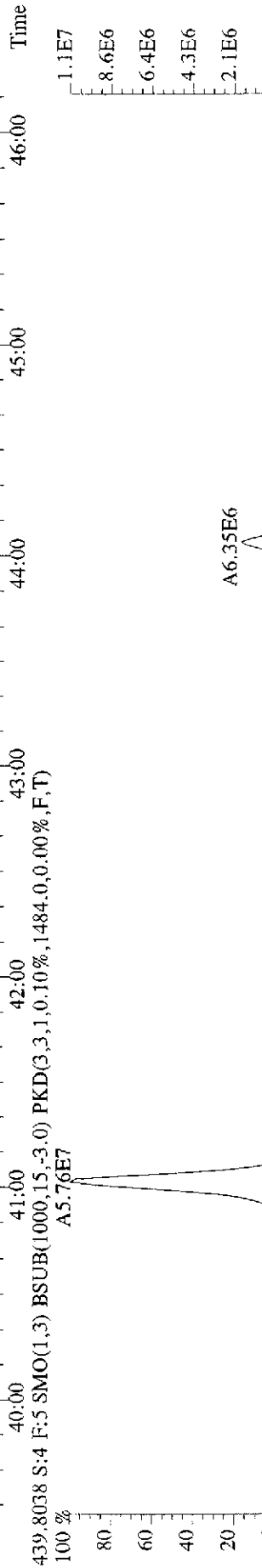
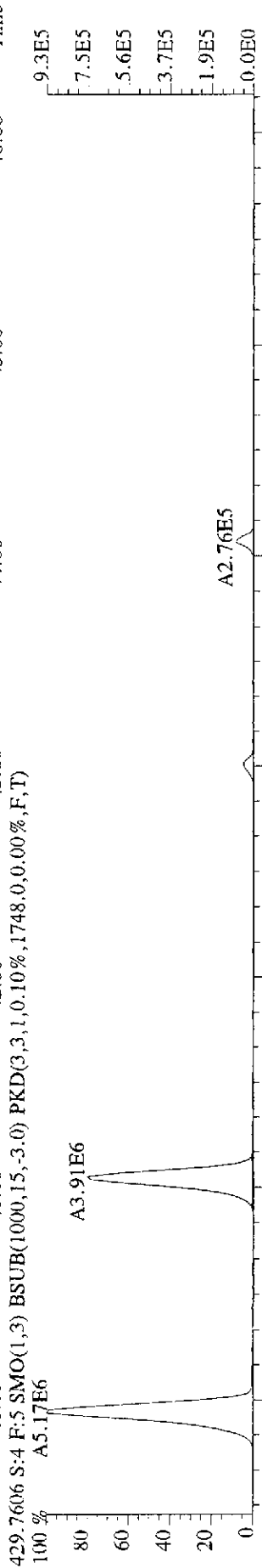
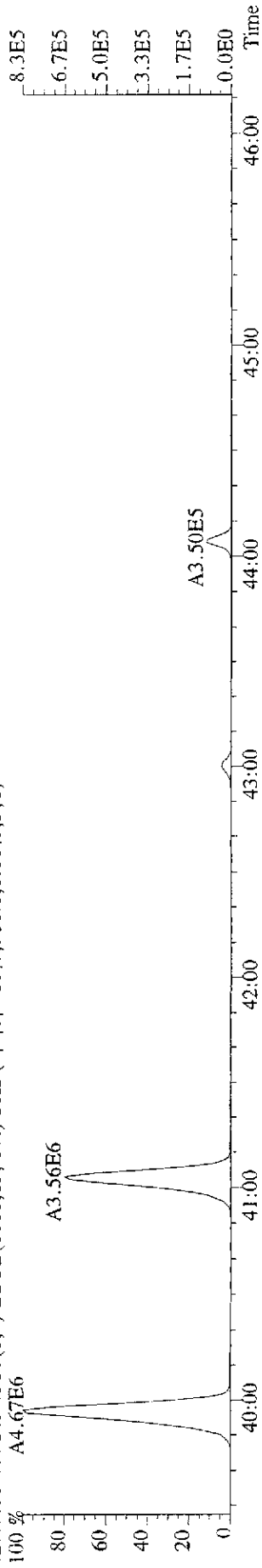
439.8038 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,60.0,0.00%,F,T)  
 A1.03E8



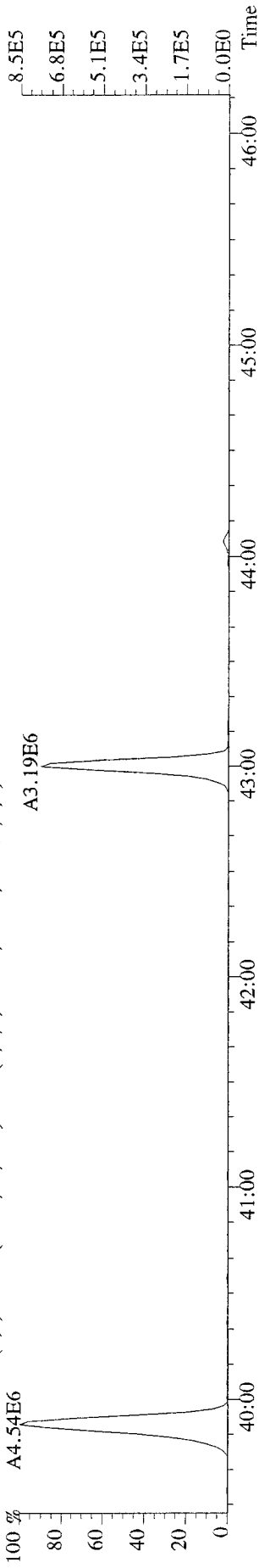
441.8008 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1760.0,0.00%,F,T)  
 A1.20E8



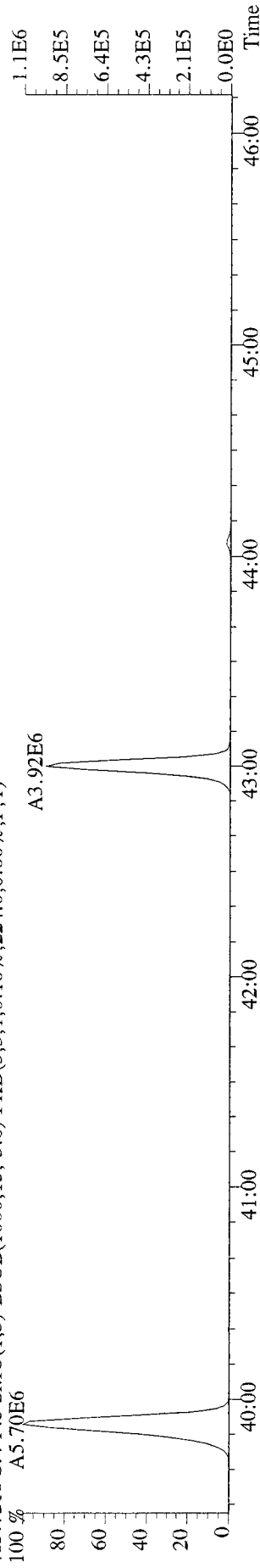
File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 427.7635 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,916.0,0.00%,F,T)



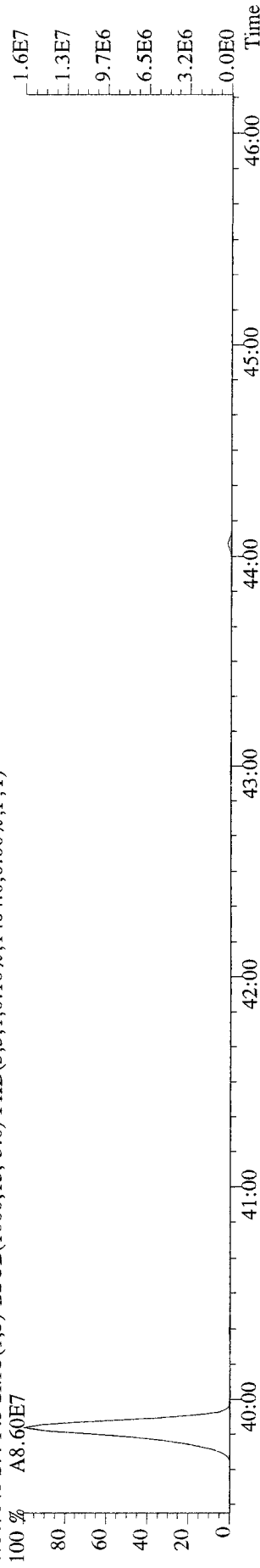
File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 461.7245 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,292.0,0.00%,F,T)  
 100 % A4.54E6



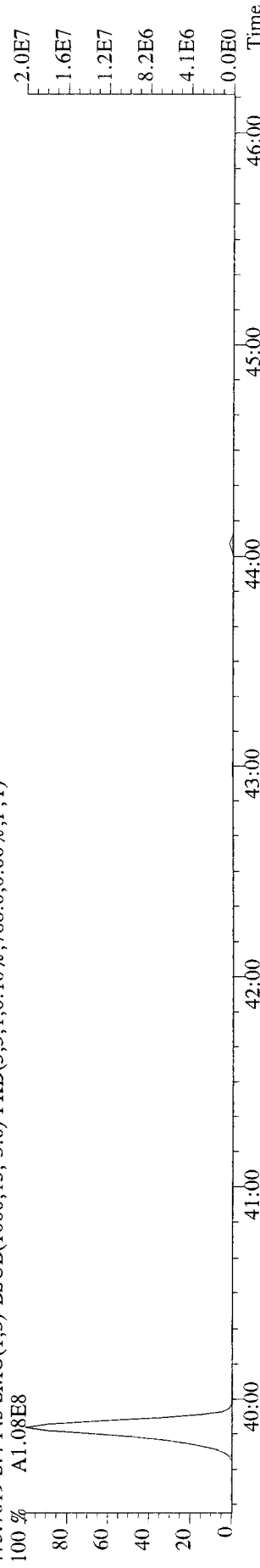
463.7216 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,224.0,0.00%,F,T)  
 100 % A5.70E6



473.7648 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1404.0,0.00%,F,T)  
 100 % A8.60E7

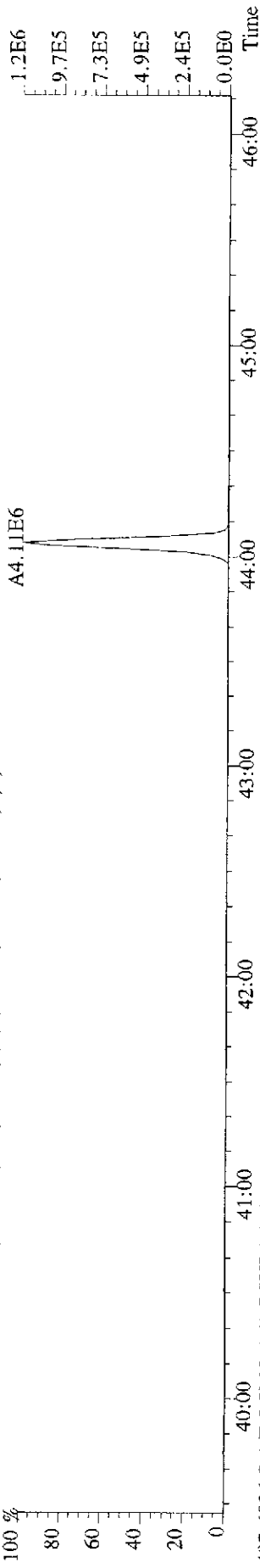


475.7619 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,788.0,0.00%,F,T)  
 100 % A1.08E8

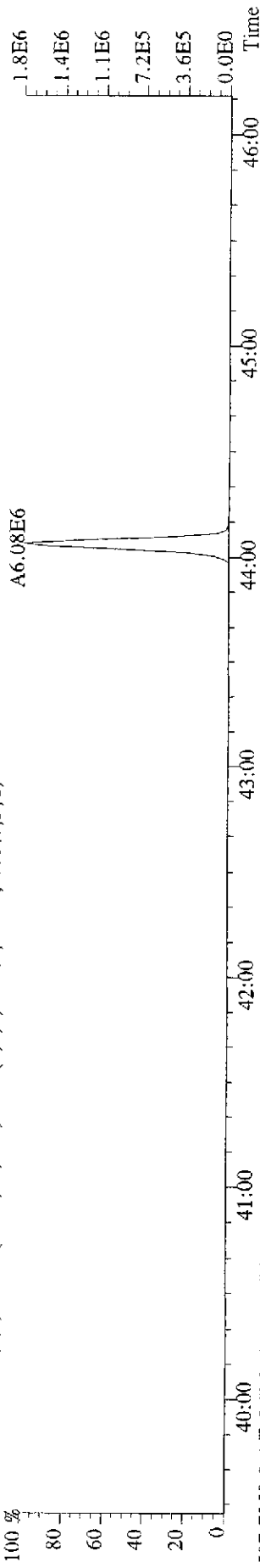




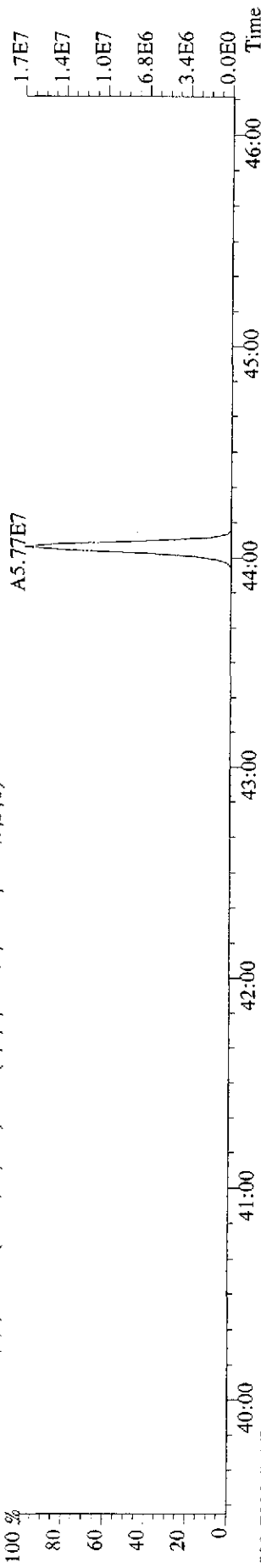
File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
495.6856 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1196.0,0.00%,F,T)



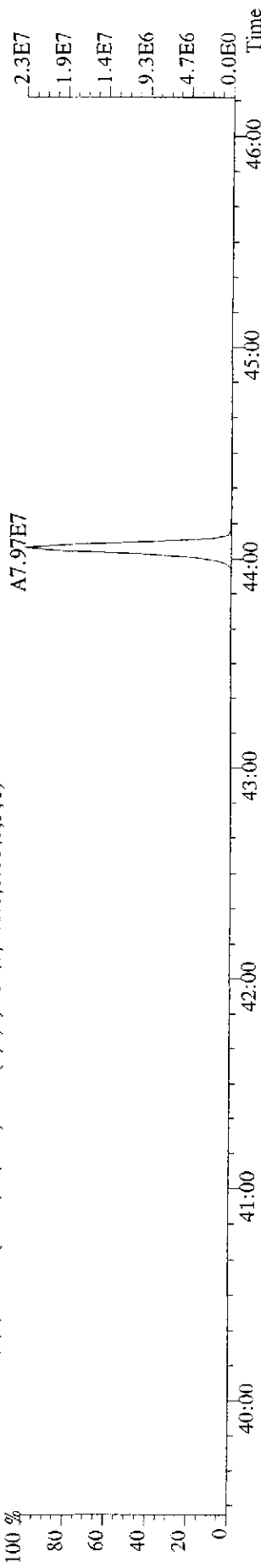
497.6826 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,132.0,0.00%,F,T)



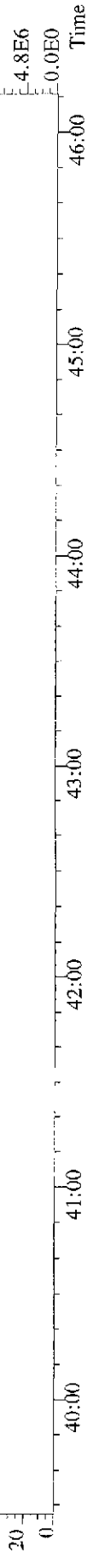
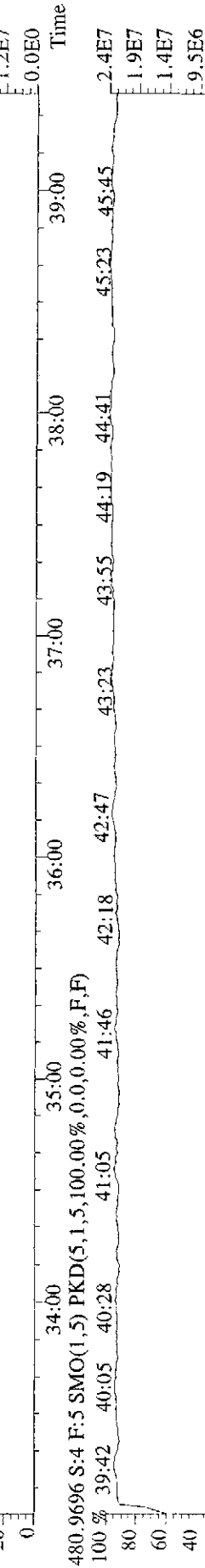
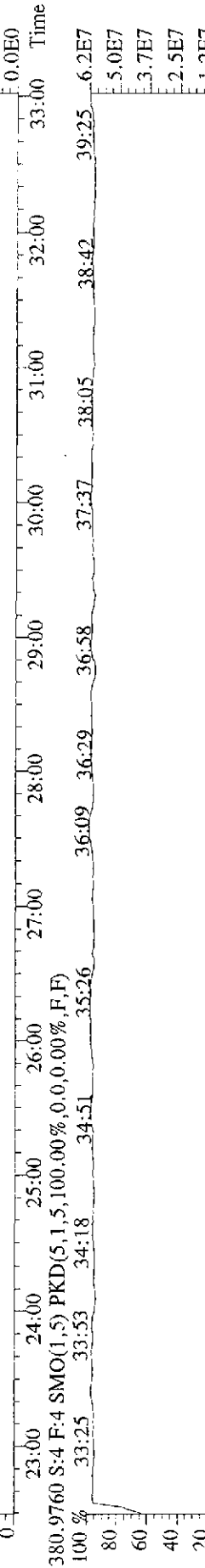
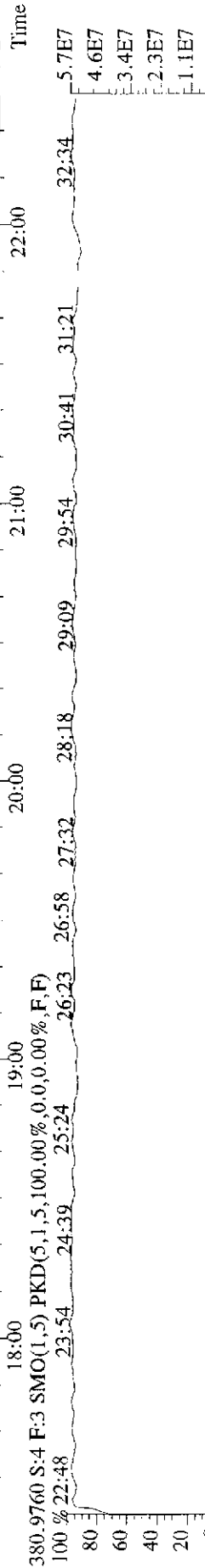
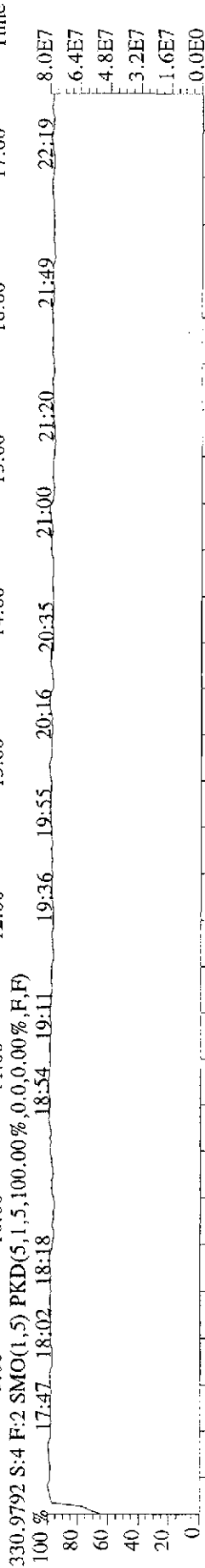
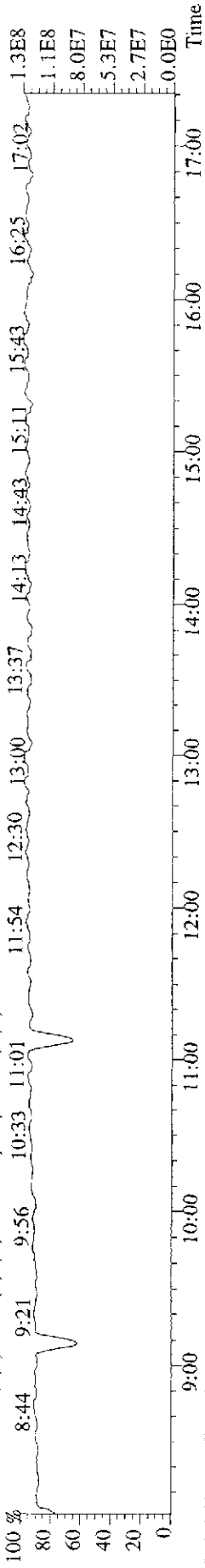
507.7258 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,812.0,0.00%,F,T)



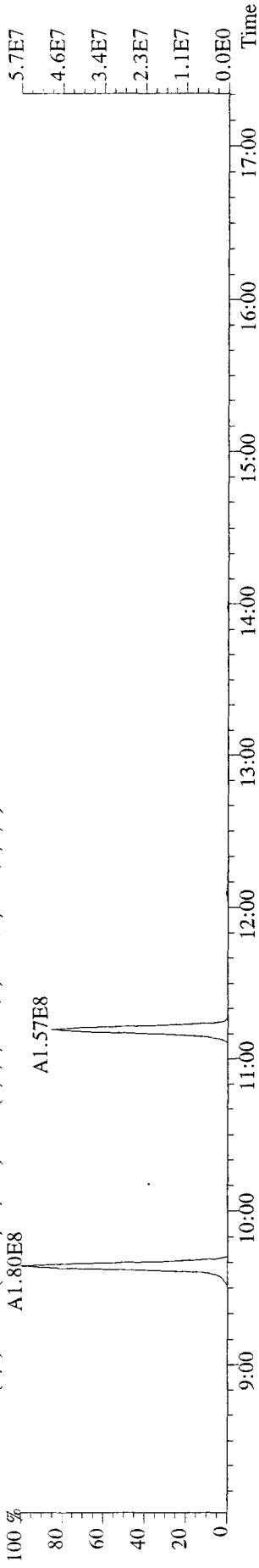
509.7229 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,648.0,0.00%,F,T)



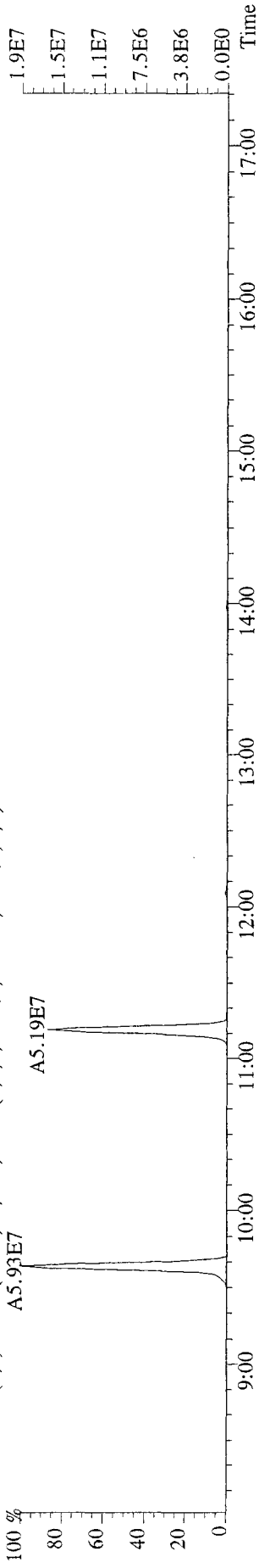
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 218.9856 S:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



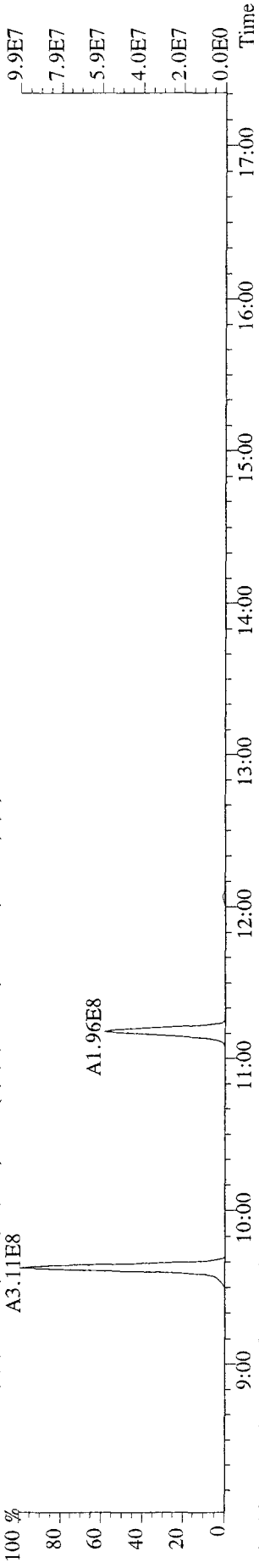
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 188.0393 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5844.0,0.00%,F,T)



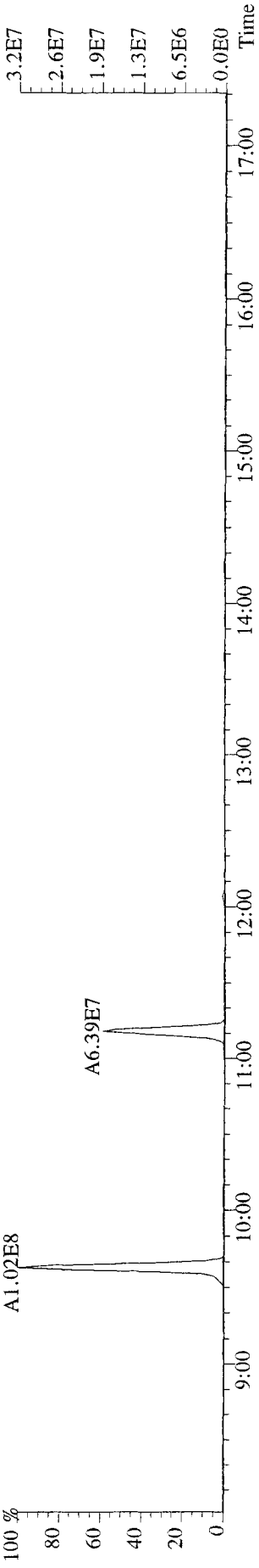
190.0363 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3128.0,0.00%,F,T)



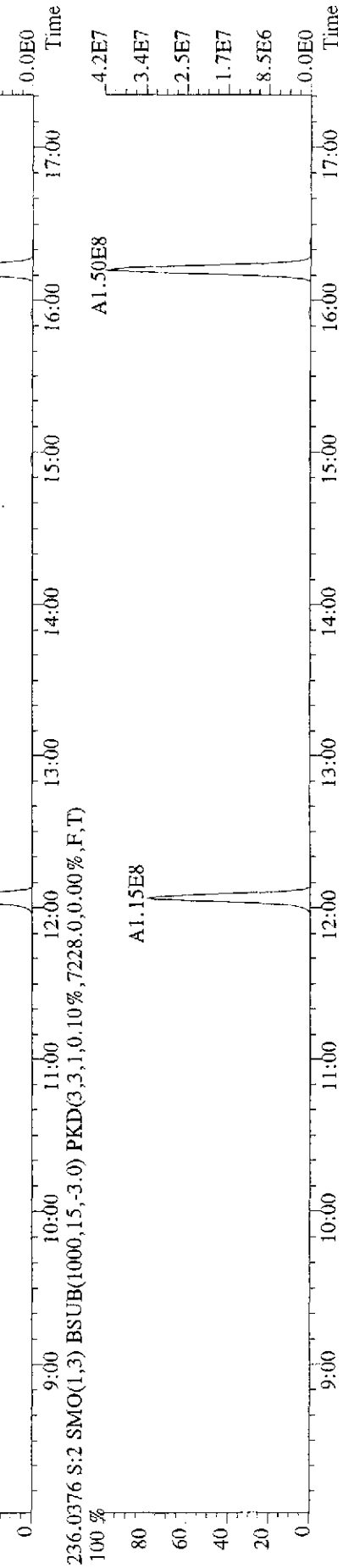
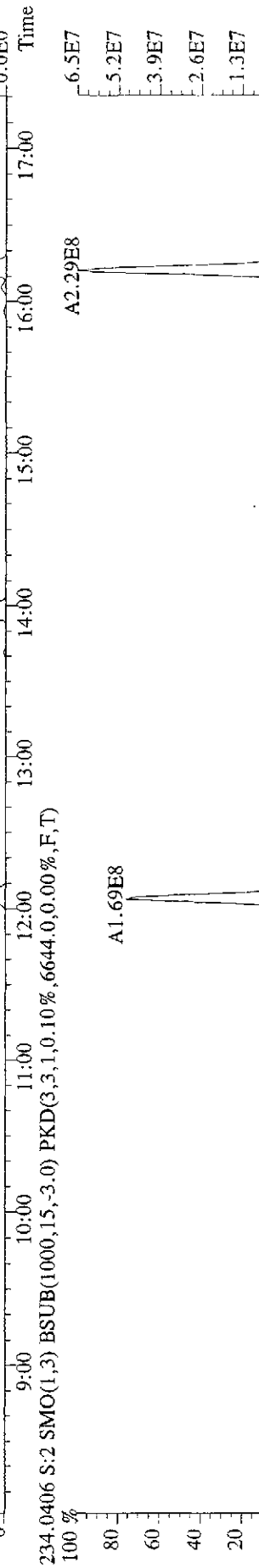
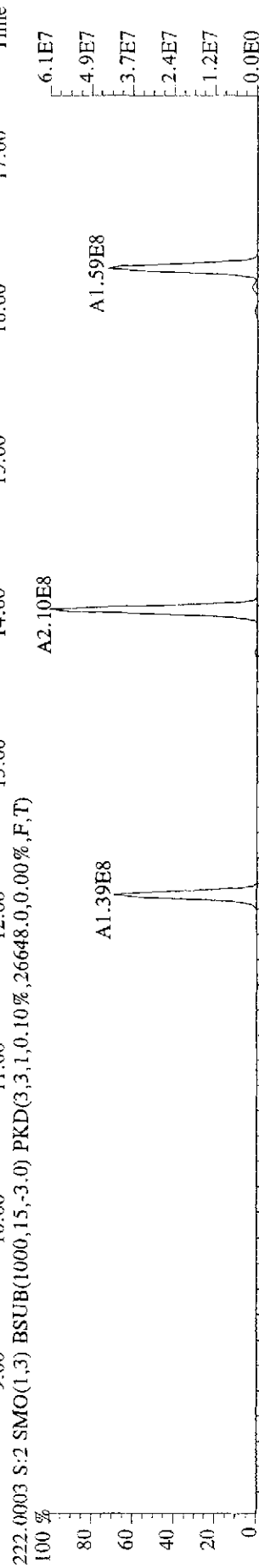
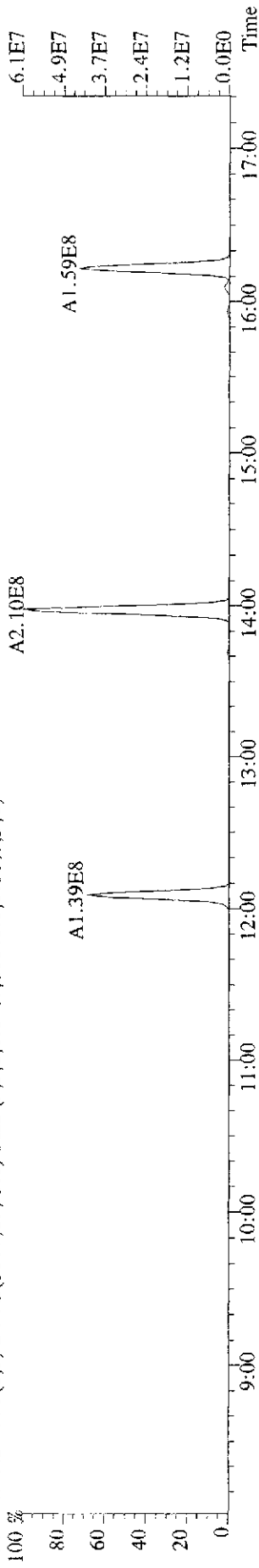
200.0795 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,10892.0,0.00%,F,T)



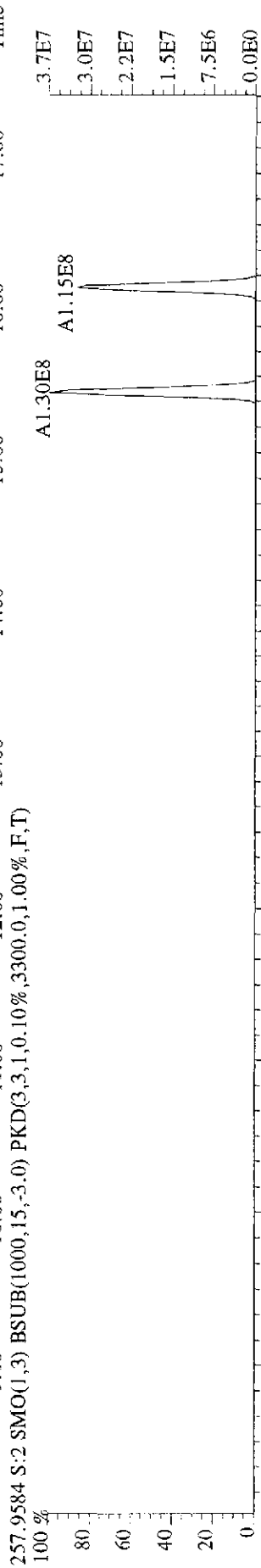
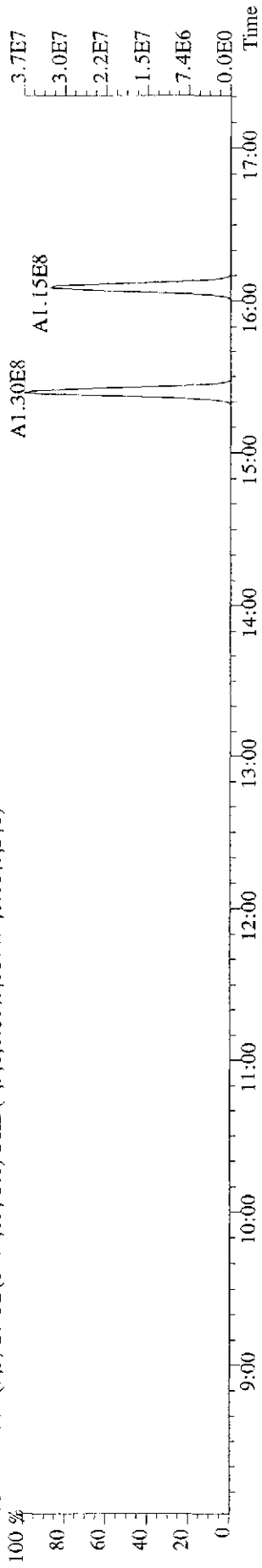
202.0766 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,70228.0,0.00%,F,T)



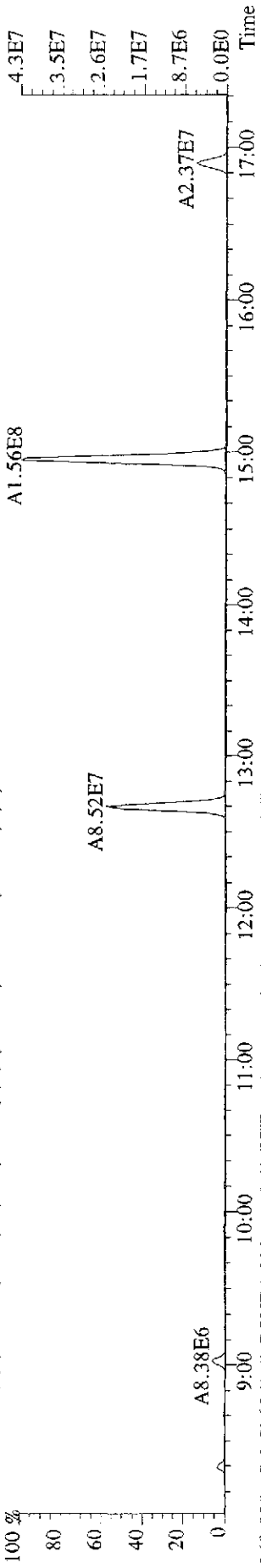
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
222.0003 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,26648.0,0.00%,F,T)



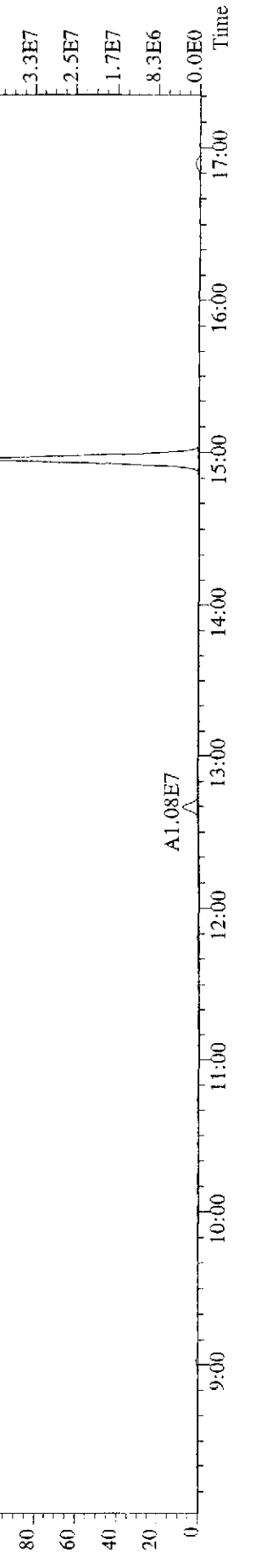
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 255.9613 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8188.0,1.00%,F,T)



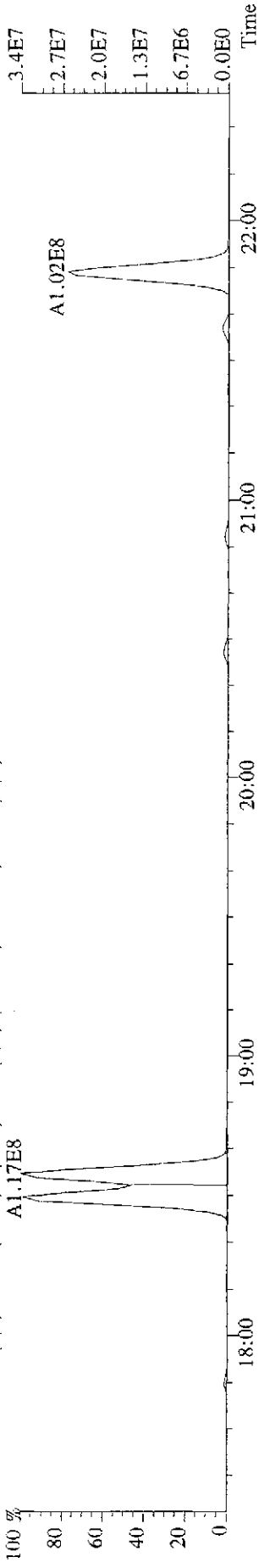
268.0016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,129256.0,1.00%,F,T)



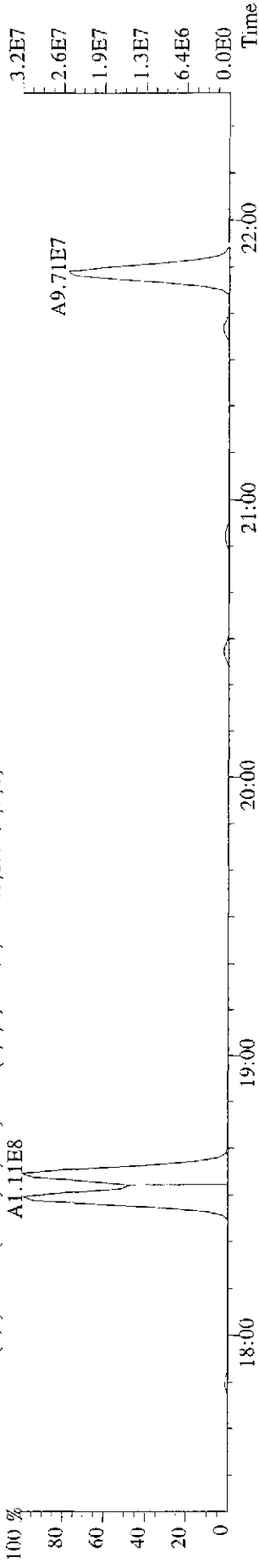
269.9986 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,106812.0,1.00%,F,T)



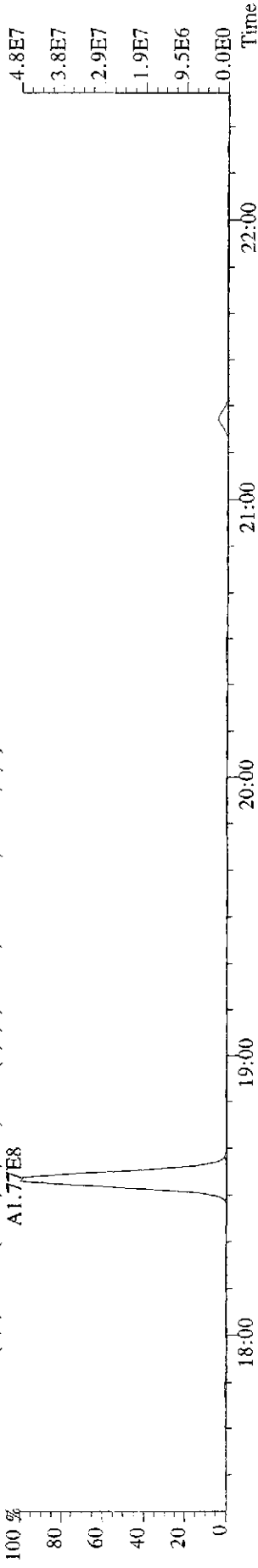
File:09JL09E9D5 #1-371 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 255.9613 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,10368.0,1.00%,F,T)



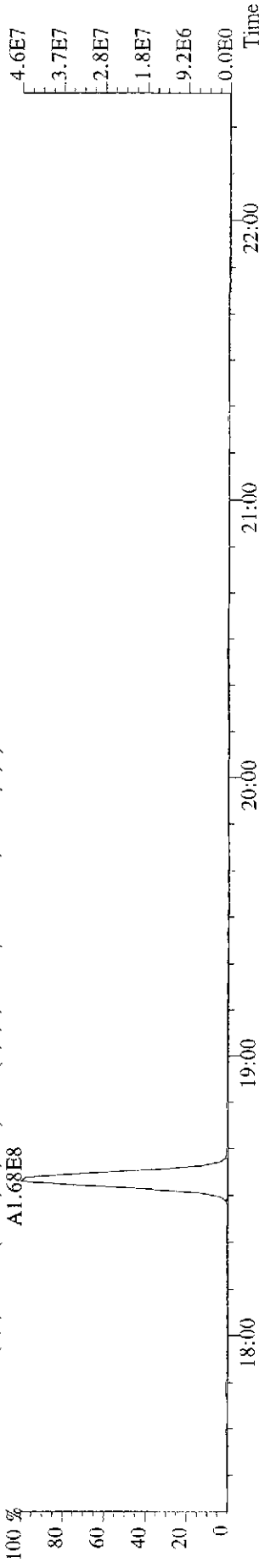
257.9584 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6900.0,1.00%,F,T)



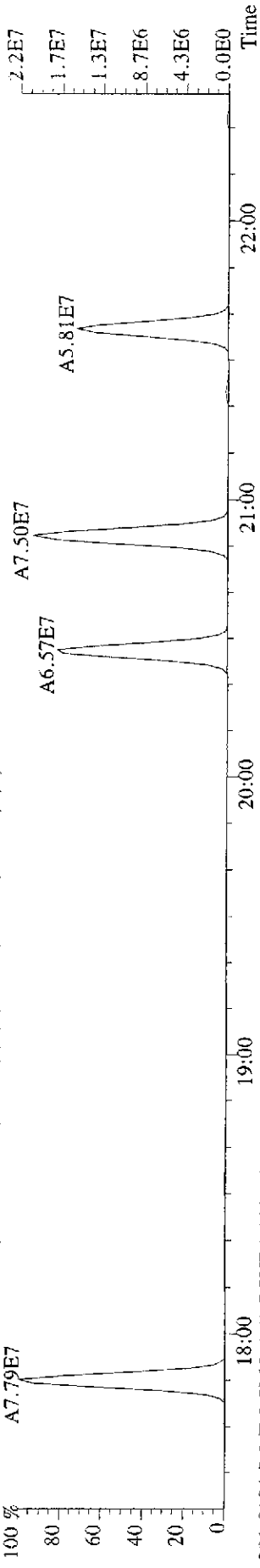
268.0016 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,103948.0,1.00%,F,T)



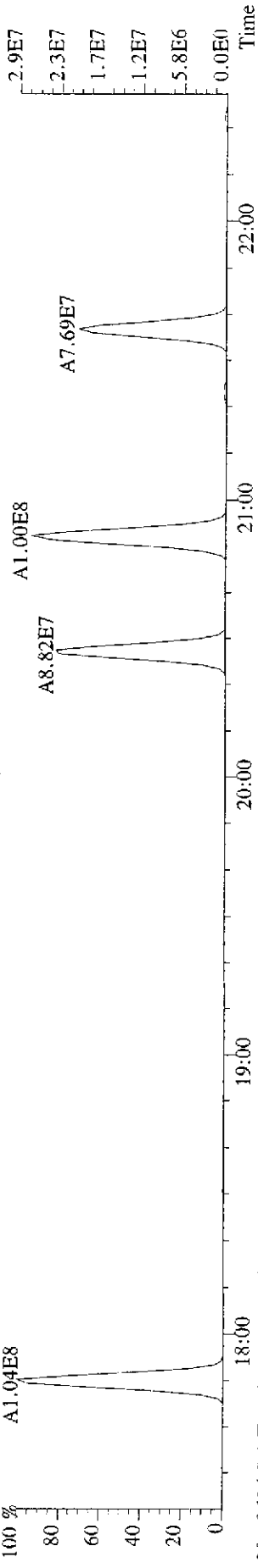
269.9986 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,152640.0,1.00%,F,T)



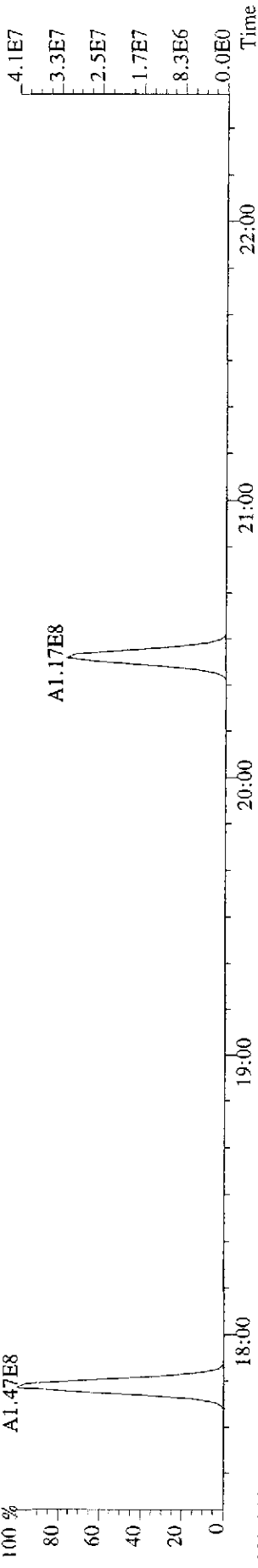
File:09JL09E9D5 #1-371 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 289.9224 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1768.0,0.00%,F,T)  
 100 % A7.79E7



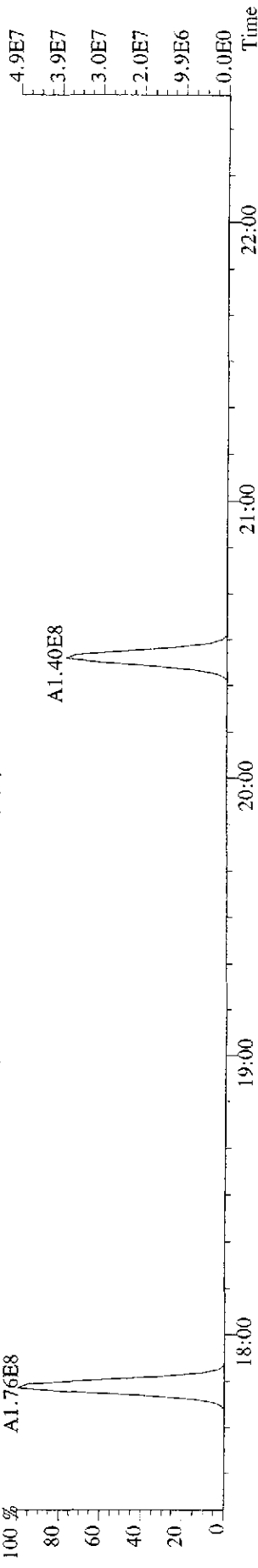
291.9194 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3412.0,0.00%,F,T)  
 100 % A1.04E8



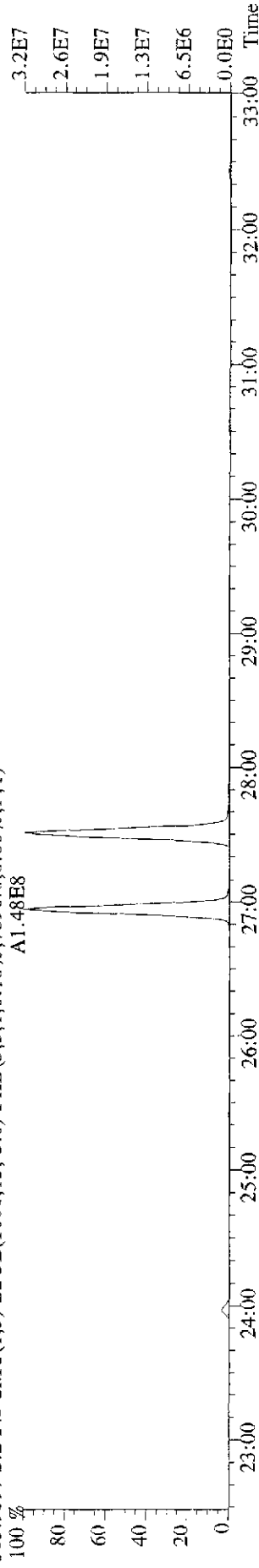
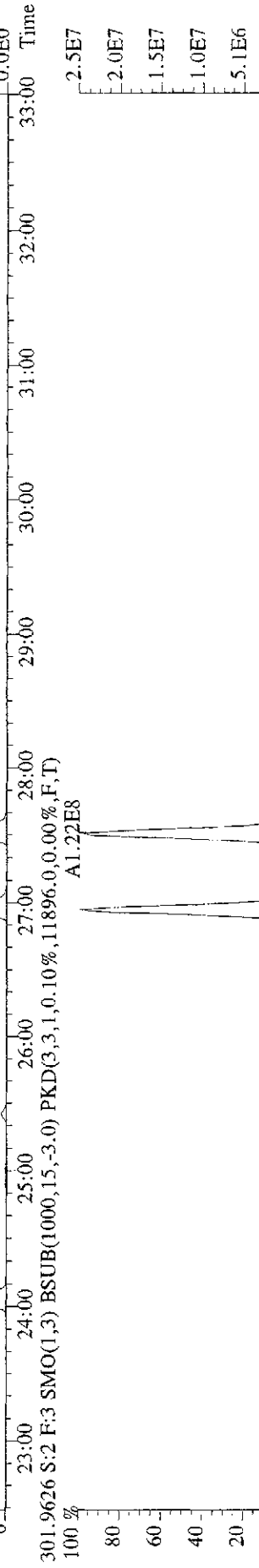
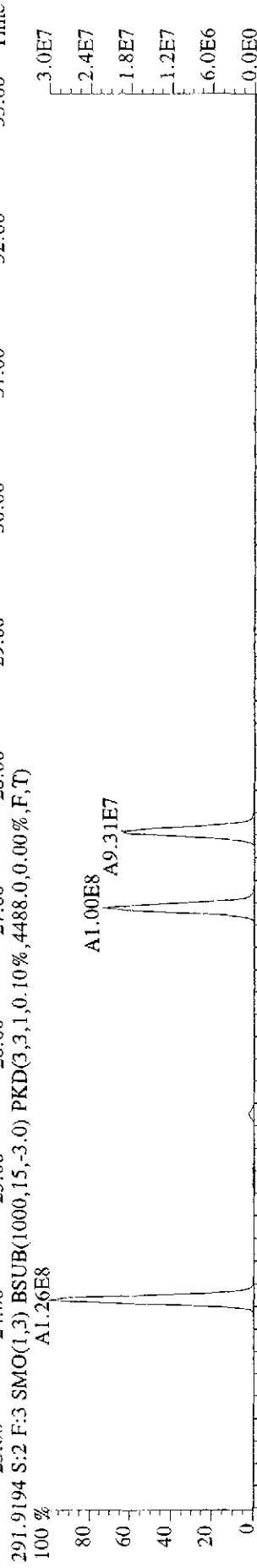
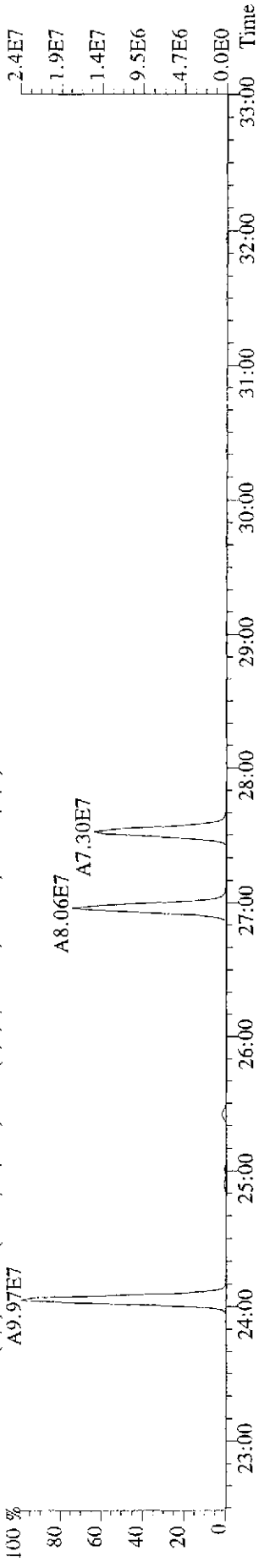
301.9626 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,10380.0,0.00%,F,T)  
 100 % A1.47E8



303.9597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3996.0,0.00%,F,T)  
 100 % A1.76E8

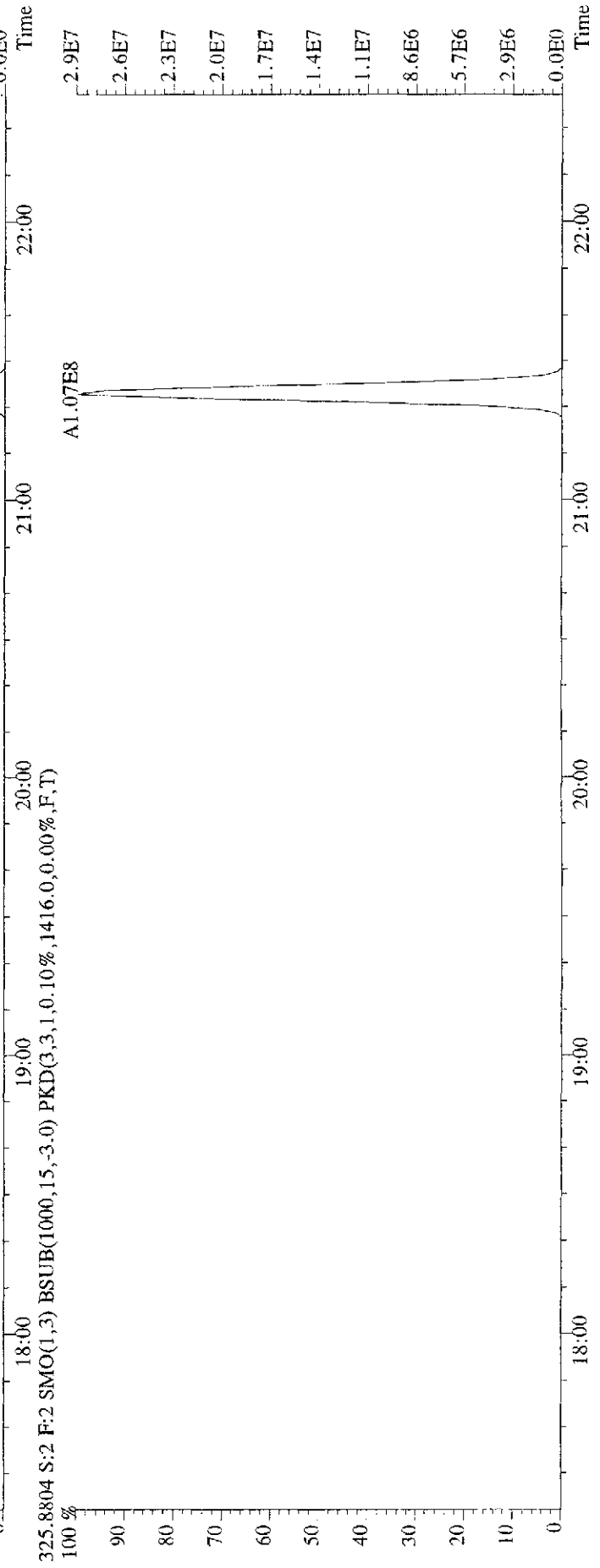
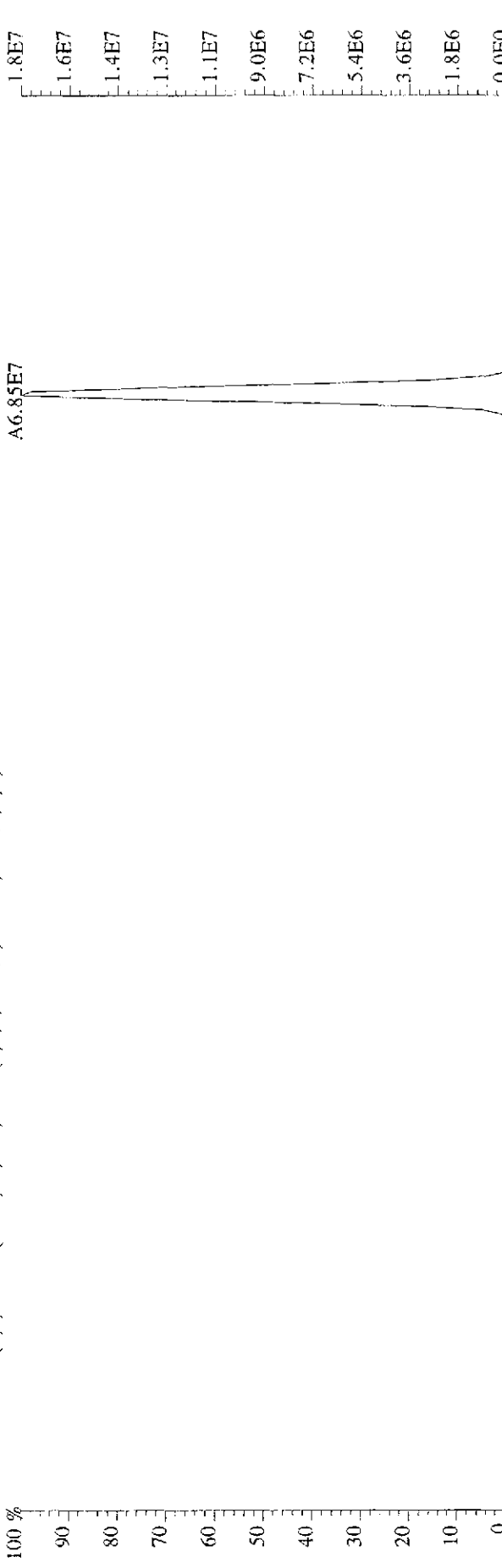


File: 09JL09E9D5 #1-593 Acq: 9-JUL-2009 20:19:51 GC BI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text: ST0709A :CS3 09DXN207 Exp:209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6284.0,0.00%,F,T)  
 A9.97E7

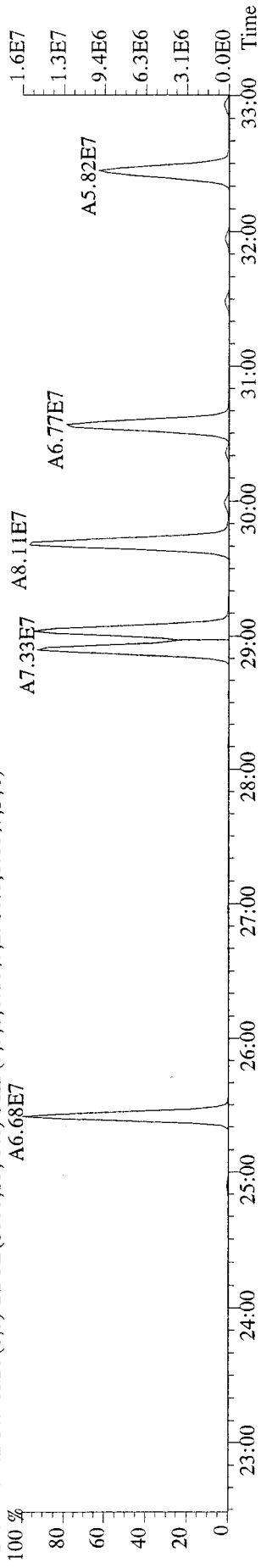




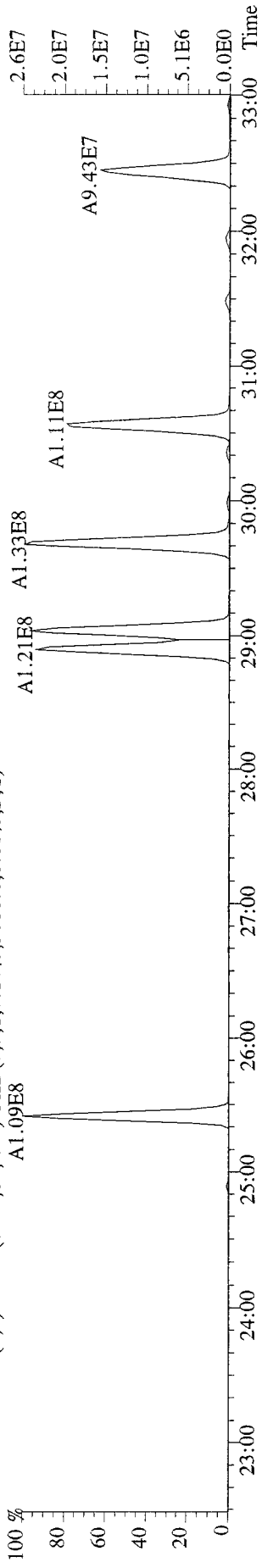
File:09L09E9D5 #1-371 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
323.8834 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,1796.0,0.00%,F,T)



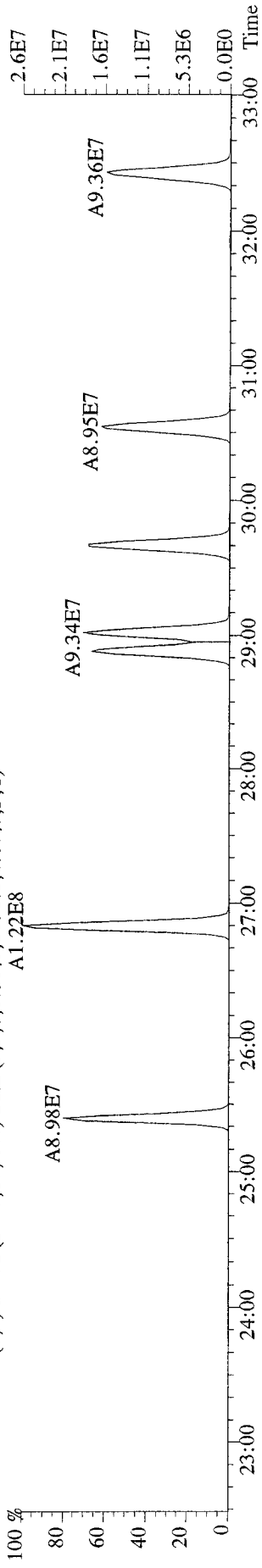
File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,2916,0.00%,F,T)  
 100 %



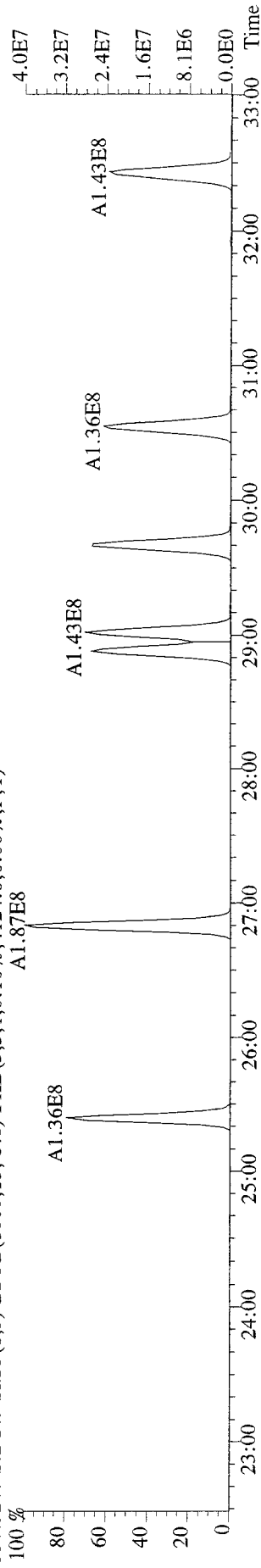
325.8804 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,3688,0.00%,F,T)  
 100 %



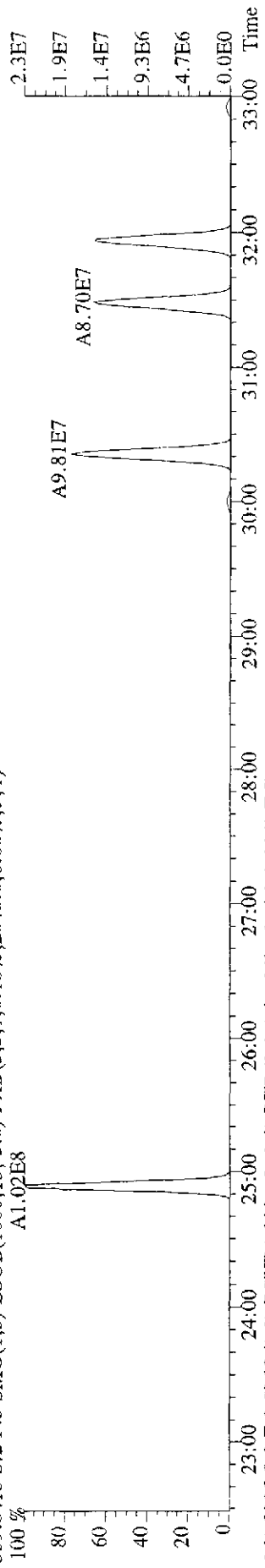
335.9236 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,6656,0.00%,F,T)  
 100 %



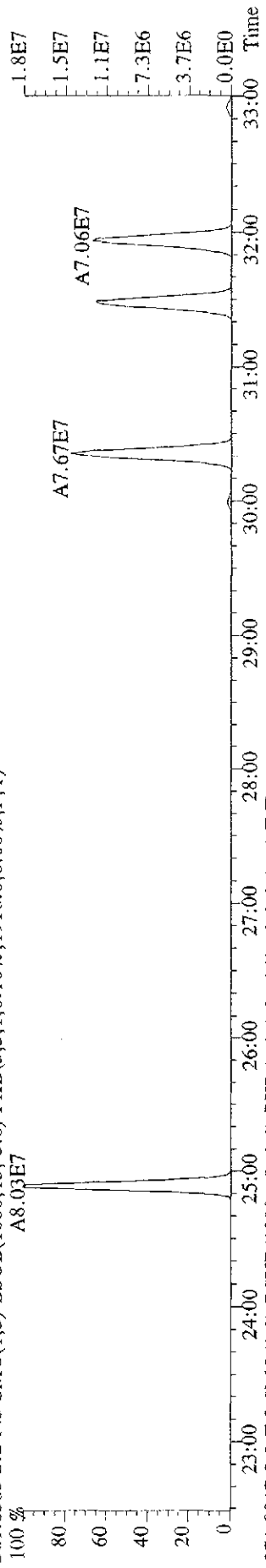
337.9207 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,4124,0.00%,F,T)  
 100 %



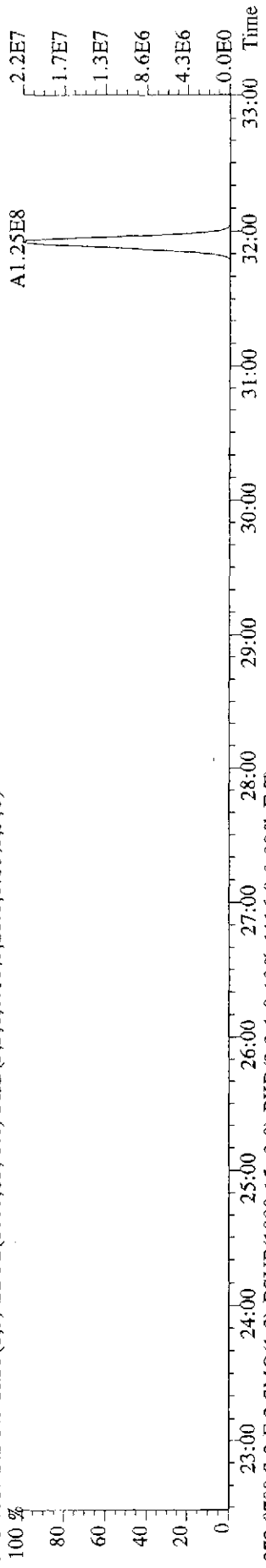
File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 359.8415 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2048.0,0.00%,F,T)



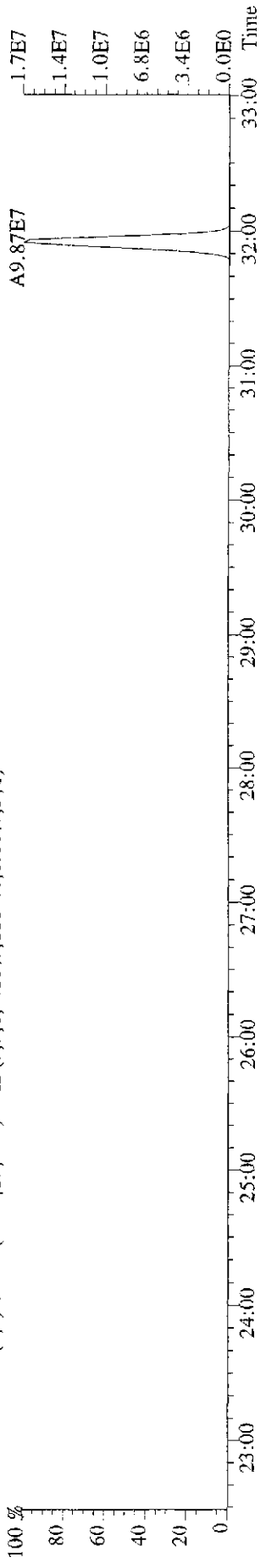
361.8385 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1916.0,0.00%,F,T)



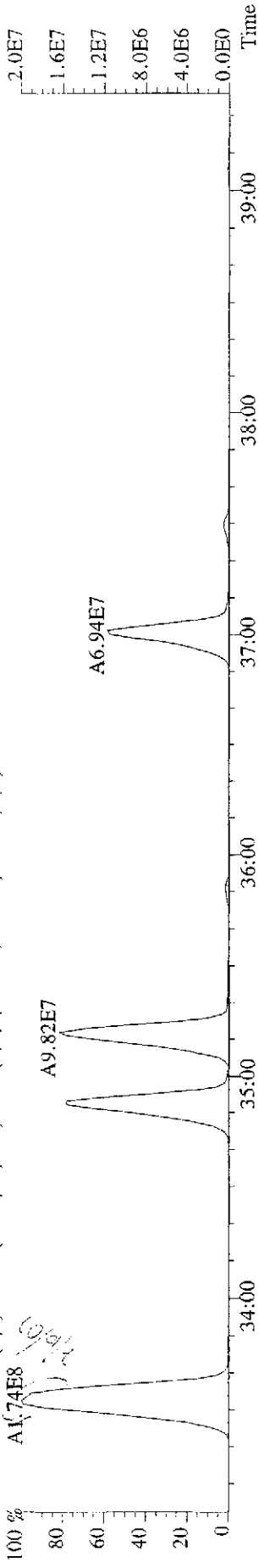
371.8817 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,28.0,0.00%,F,T)



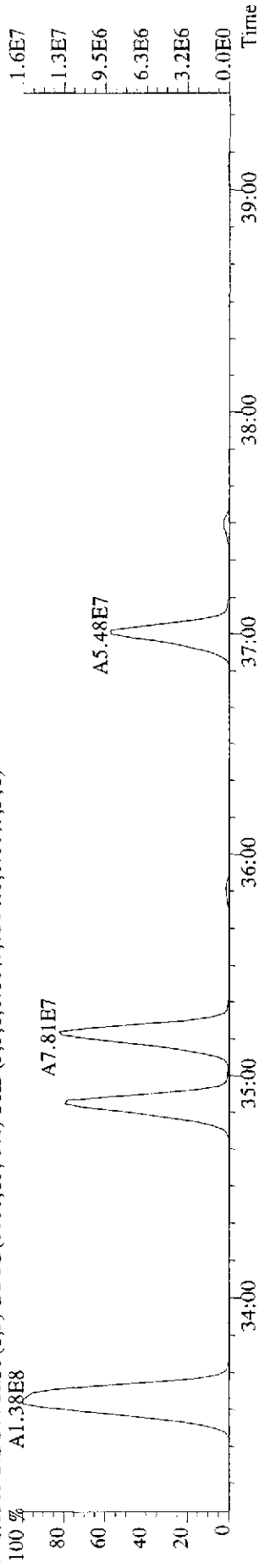
373.8788 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1116.0,0.00%,F,T)



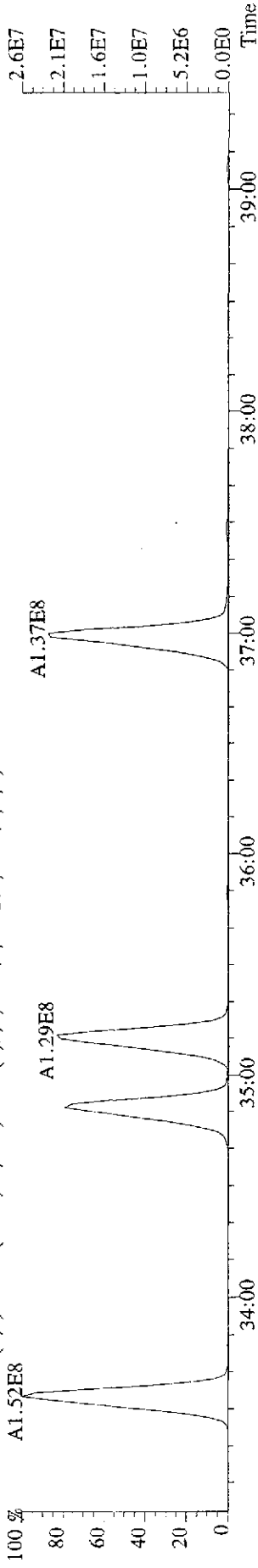
File: 09JUL09E9D5 #1-391 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text: ST0709A :CS3 09DXN207 Exp: 209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,7188.0,0.00%,F,T)



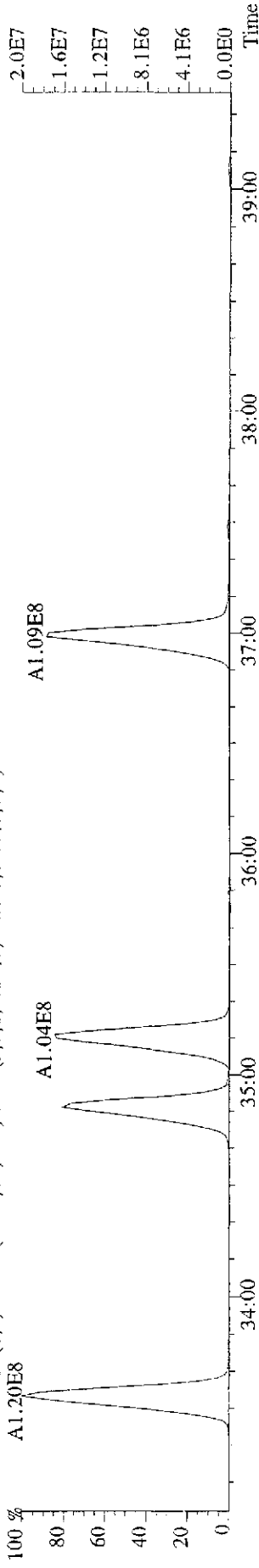
361.8385 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,7304.0,0.00%,F,T)



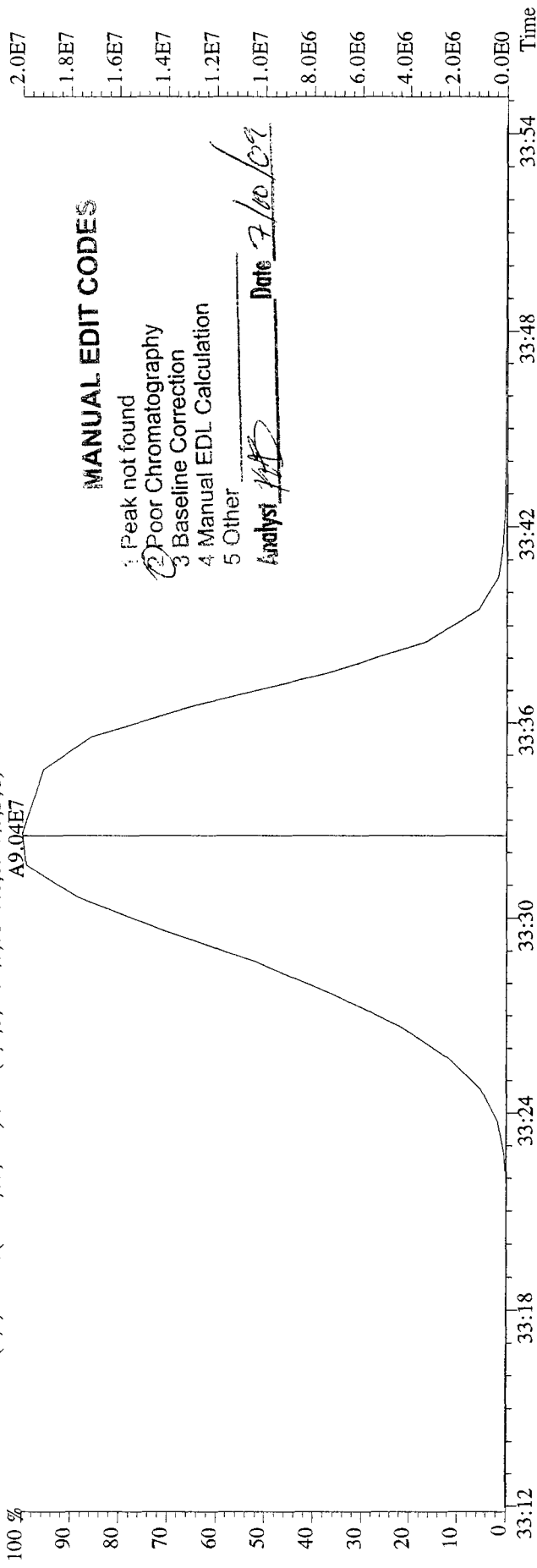
371.8817 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,7852.0,0.00%,F,T)



373.8788 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,4720.0,0.00%,F,T)



File:09JL09E9D5 #1-391 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7188.0,0.00%,F,T)  
 A9.04E7

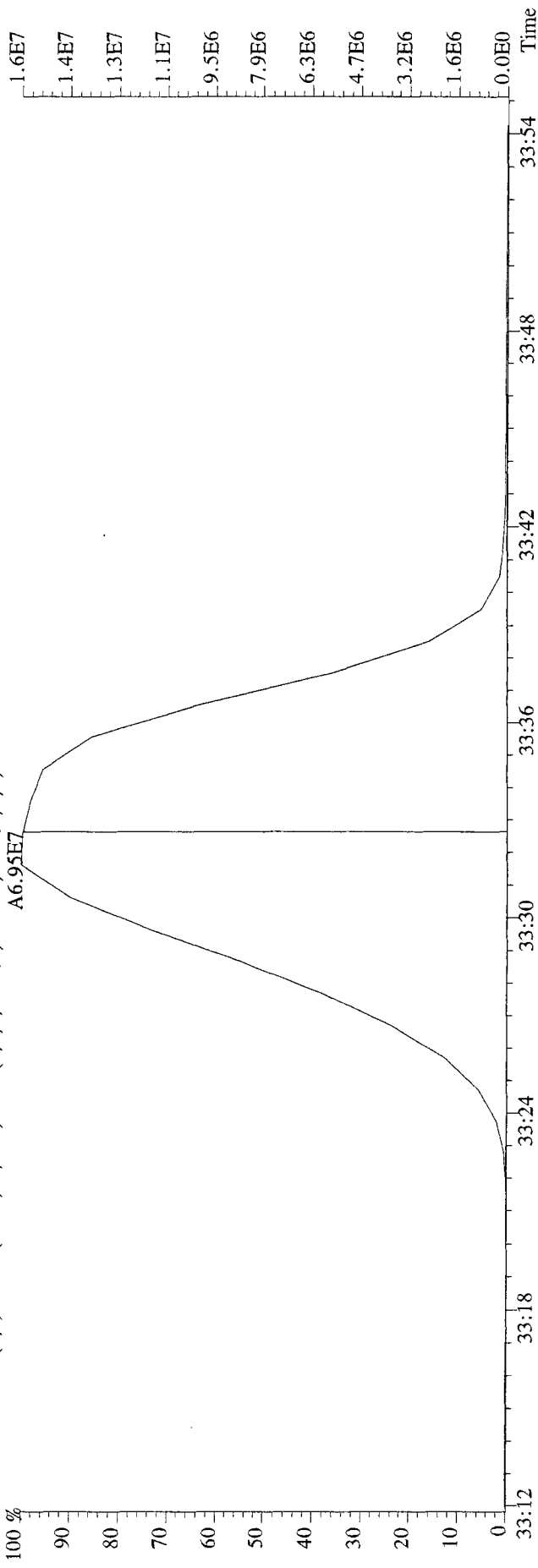


**MANUAL EDIT CODES**

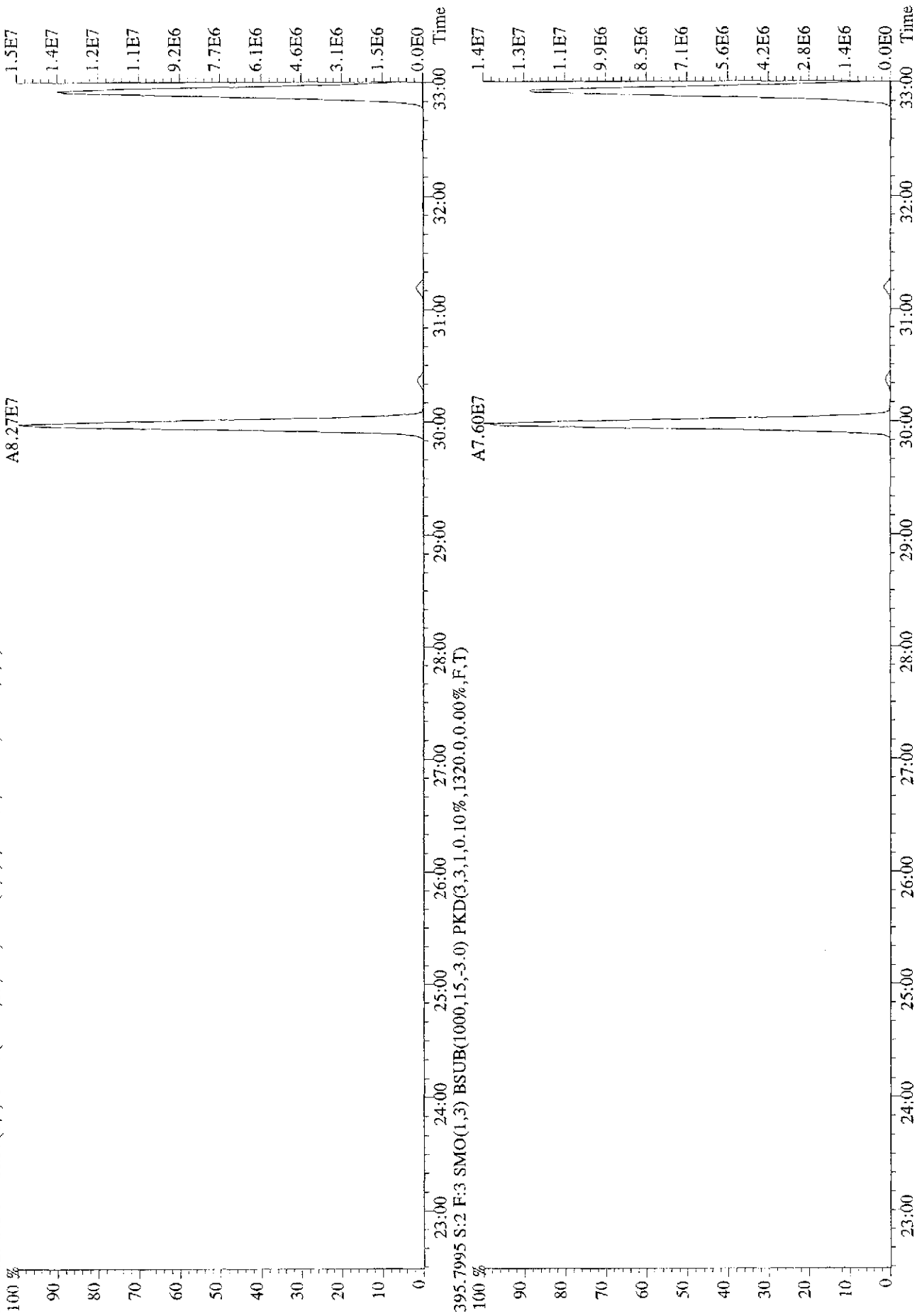
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst *[Signature]* Date 7/10/09

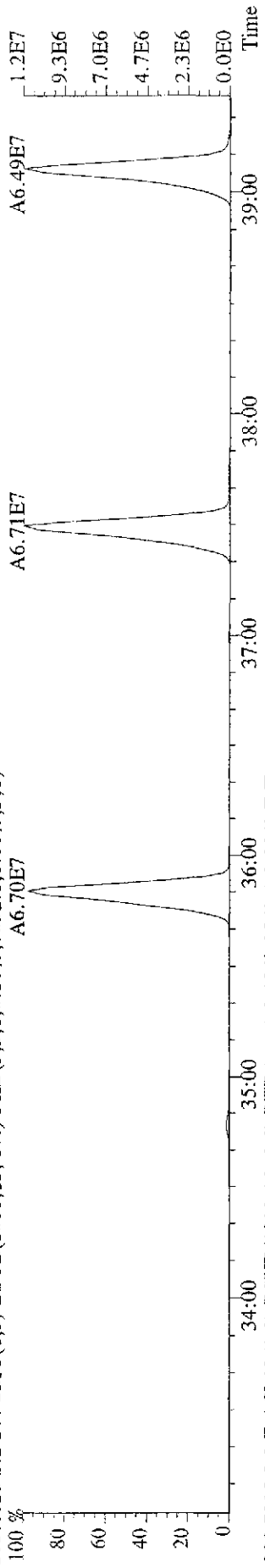
361.8385 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7304.0,0.00%,F,T)  
 A6.95E7



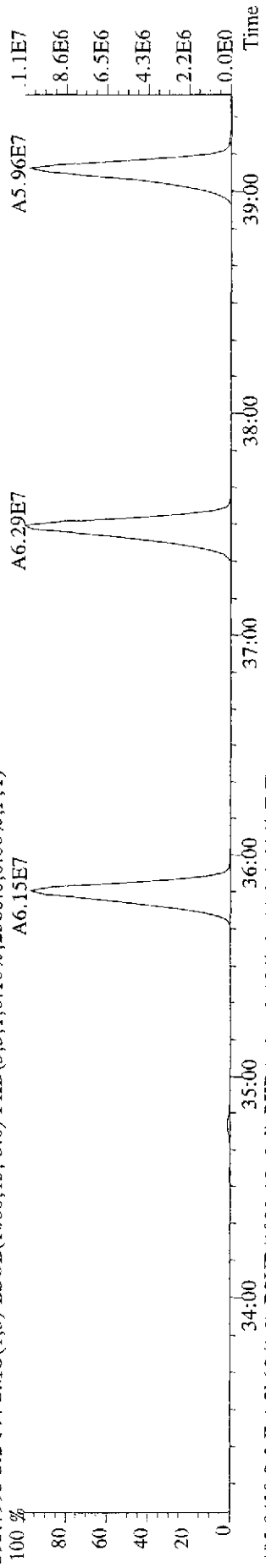
File: 09JUL09E9D5 #1-593 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text: ST0709A ;CS3 09DXN207 Exp: 209DB5  
 393.8025 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4716.0,0.00%,F,T)



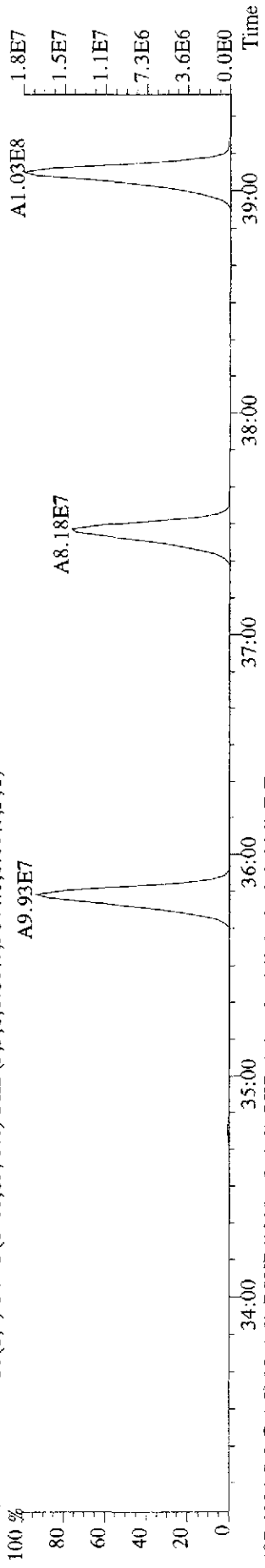
File: 09JL09E9D5 #1-391 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text: ST0709A :CS3 09DXN207 Exp:209DB5  
 393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7832.0,0.00%,F,T)  
 A6.70E7



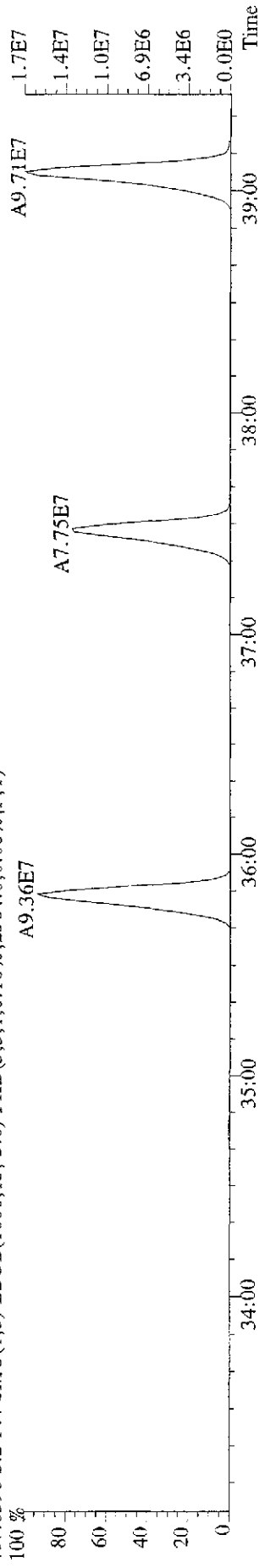
395.7995 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2560.0,0.00%,F,T)  
 A6.15E7



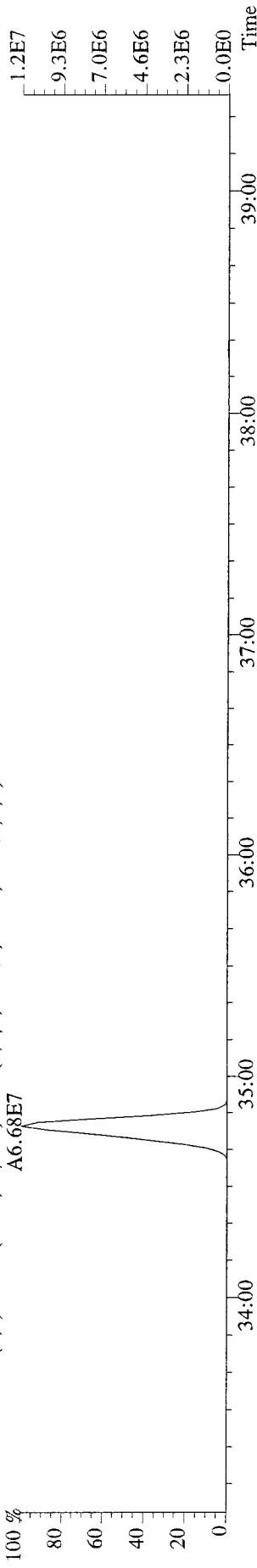
405.8428 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3144.0,0.00%,F,T)  
 A9.93E7



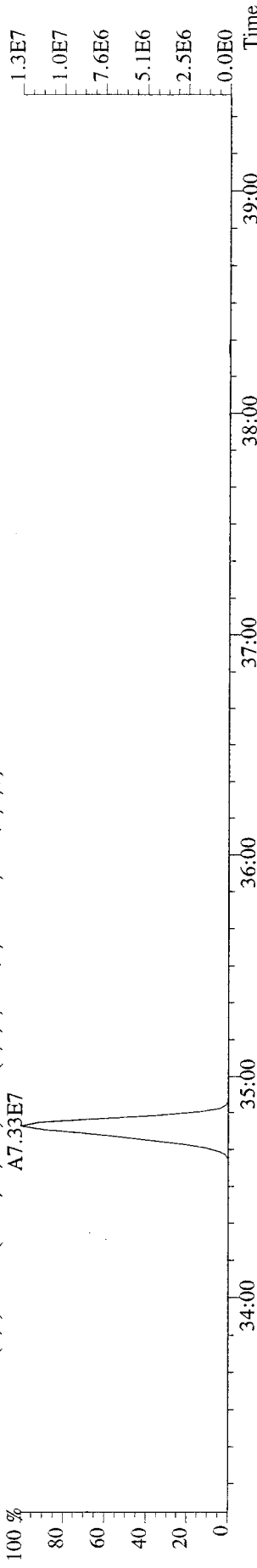
407.8398 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2364.0,0.00%,F,T)  
 A9.36E7



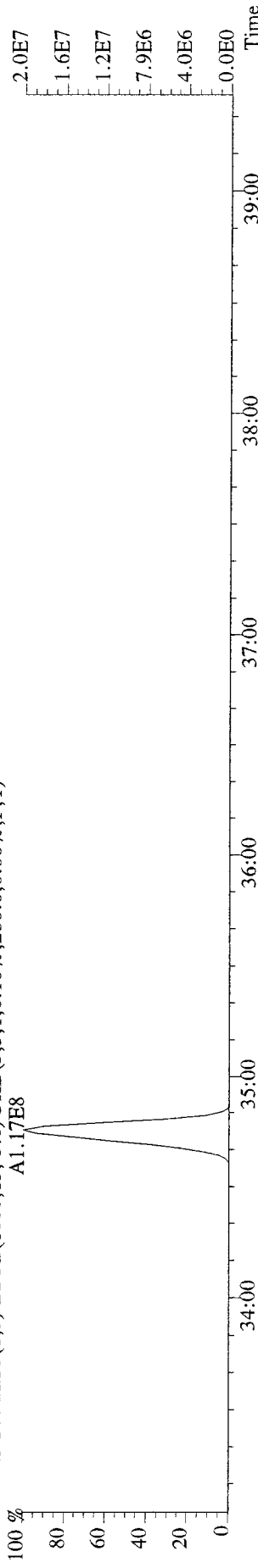
File:09JL09E9D5 #1-391 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
427.7635 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,972.0,0.00%,F,T)  
A6.68E7



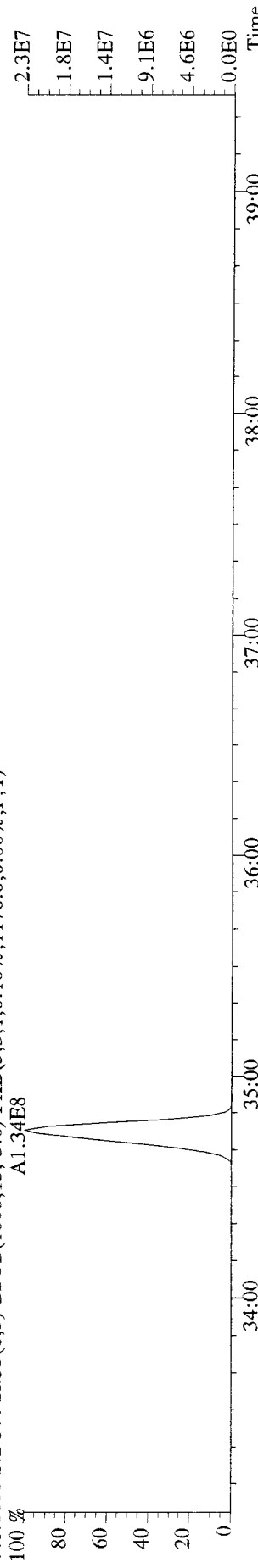
429.7606 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1668.0,0.00%,F,T)  
A7.33E7



439.8038 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,280.0,0.00%,F,T)  
A1.17E8

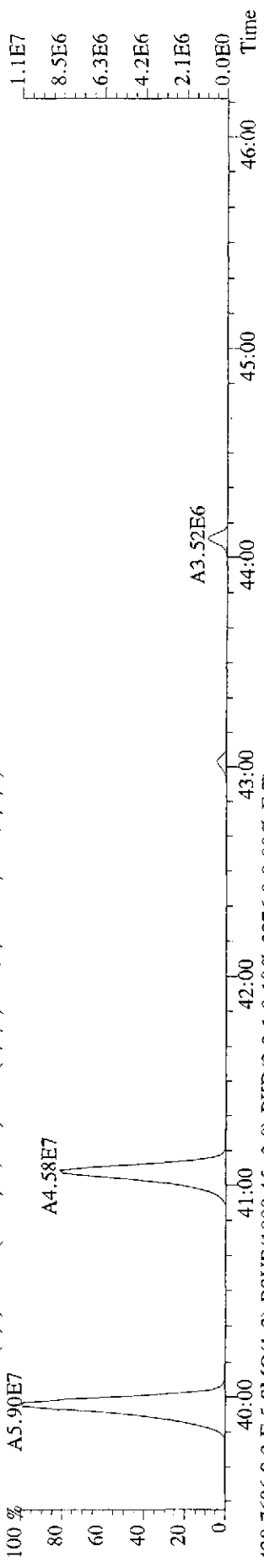


441.8008 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1176.0,0.00%,F,T)  
A1.34E8

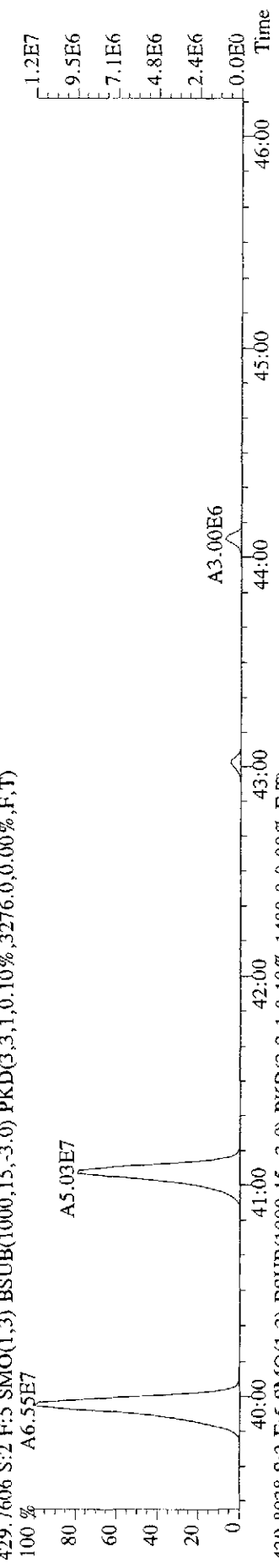




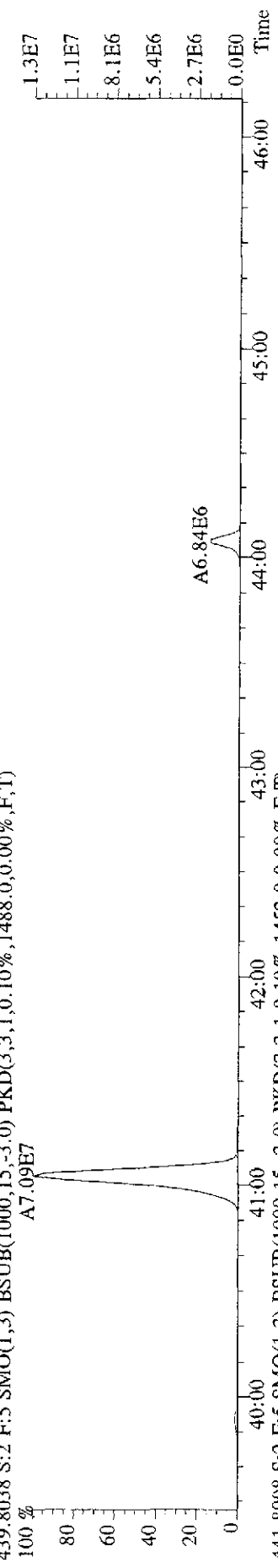
File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 427.7635 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2824.0,0.00%,F,T)  
 100 % A5.90E7



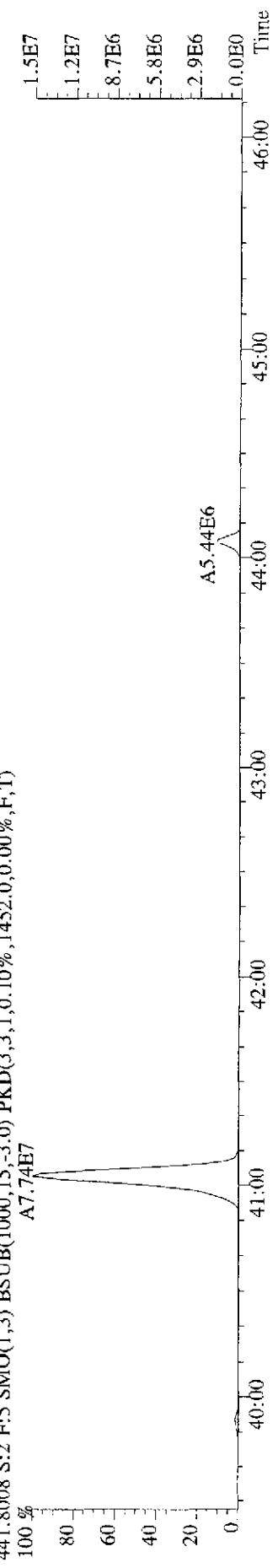
429.7606 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3276.0,0.00%,F,T)  
 100 % A6.55E7



439.8038 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1488.0,0.00%,F,T)  
 100 % A7.09E7



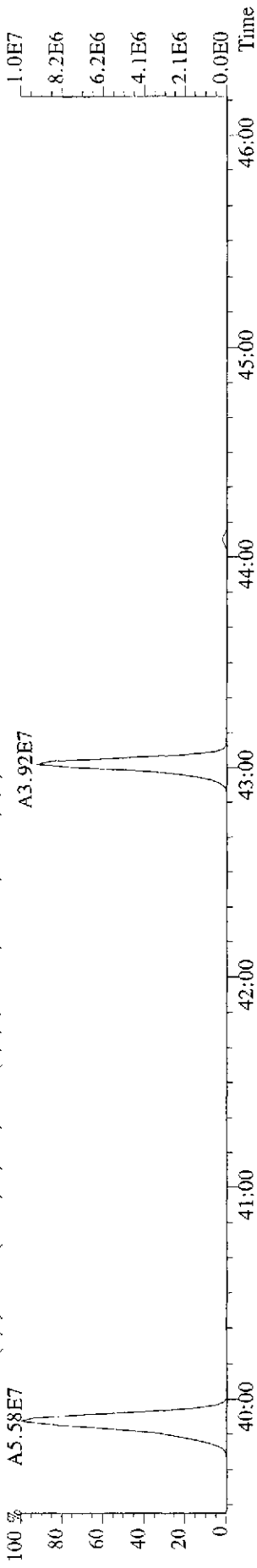
441.8008 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1452.0,0.00%,F,T)  
 100 % A7.74E7



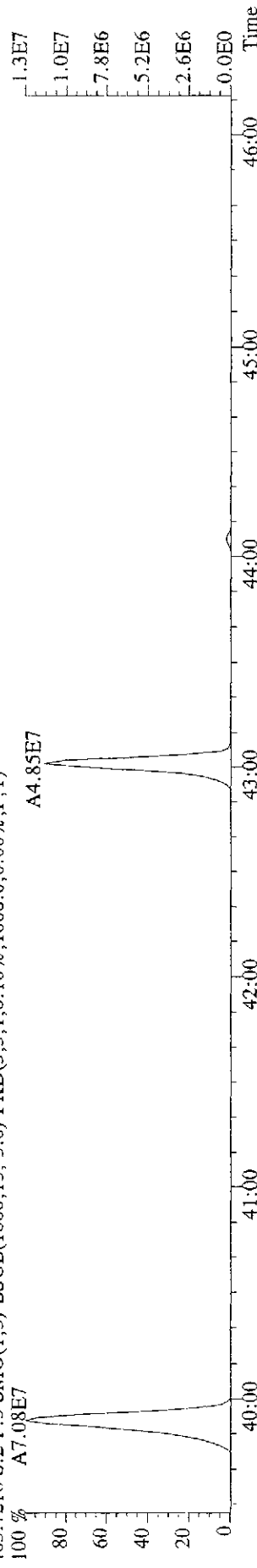
File:09JUL09E9D5 #1-447 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE

Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5

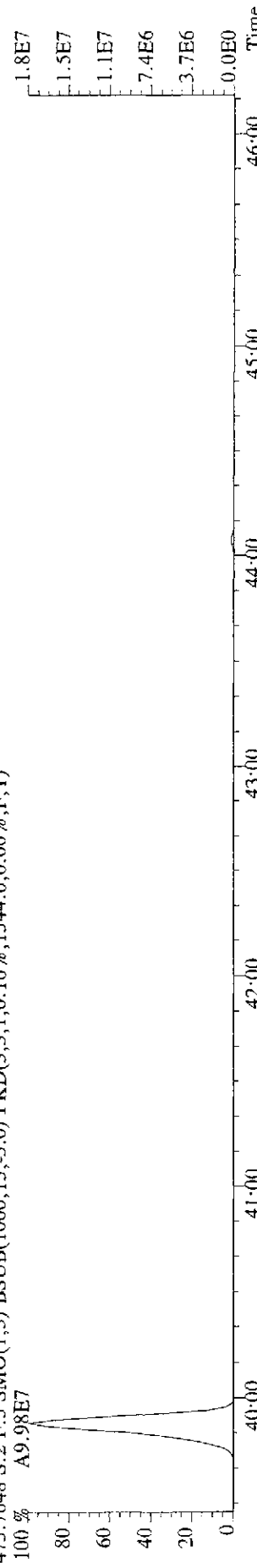
461.7245 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1056.0,0.00%,F,T)



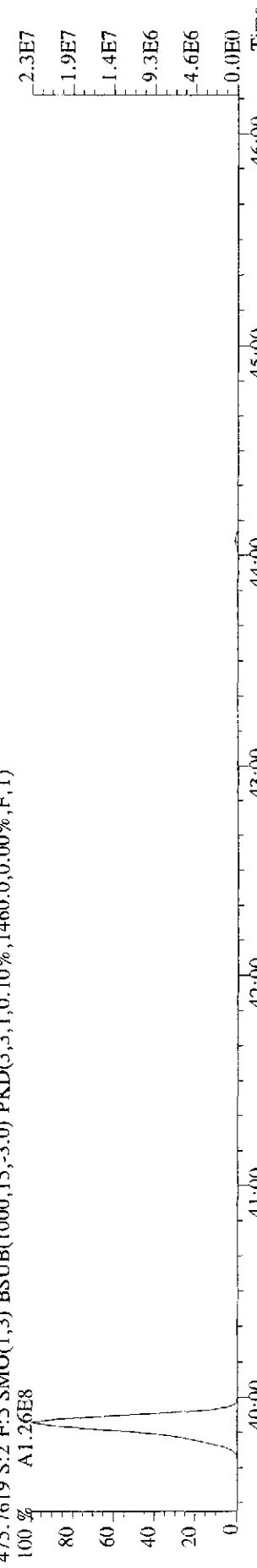
463.7216 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1008.0,0.00%,F,T)



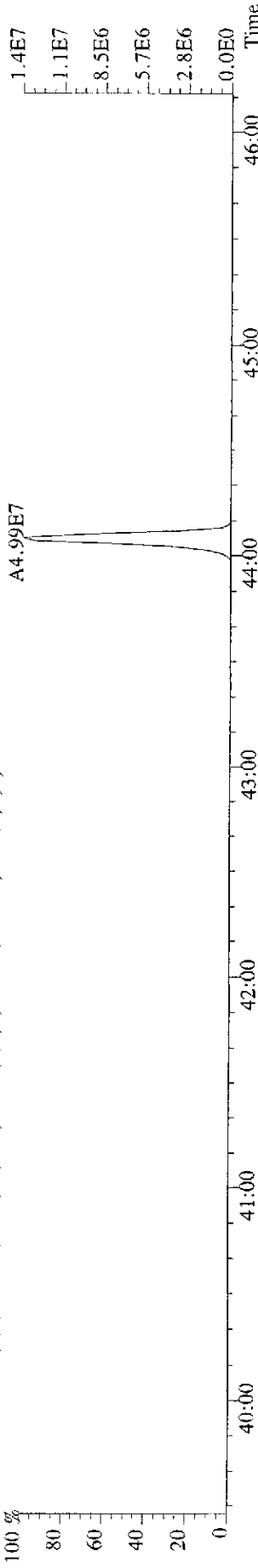
473.7648 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1344.0,0.00%,F,T)



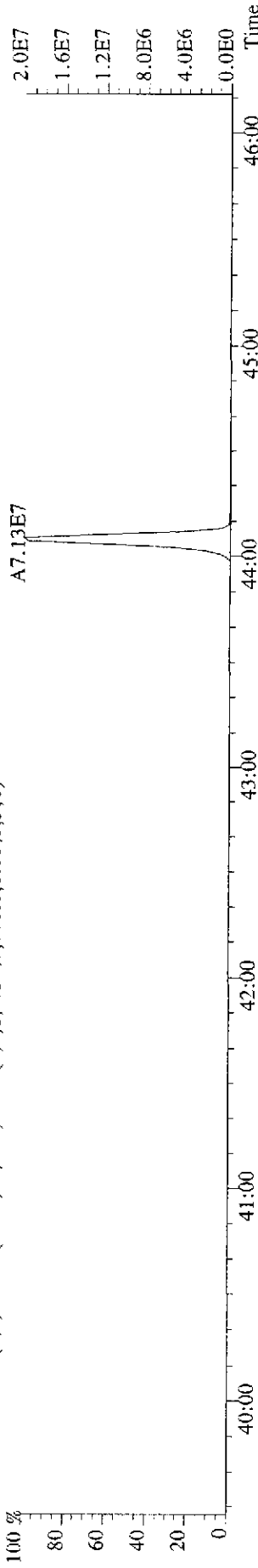
475.7619 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1460.0,0.00%,F,T)



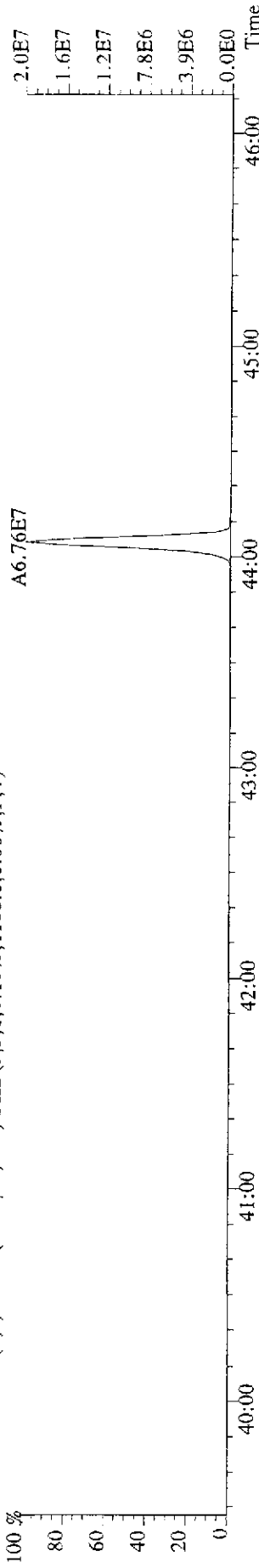
File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 495.6856 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1272.0,0.00%,F,T)



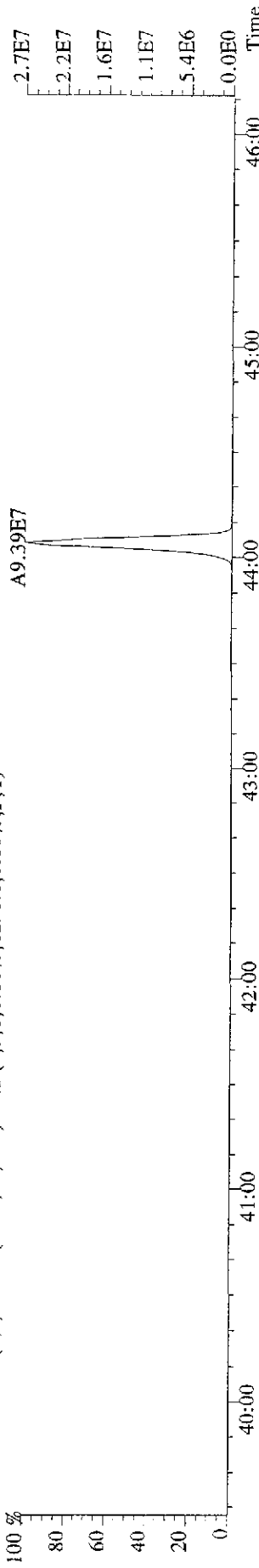
497.6826 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,760.0,0.00%,F,T)



507.7258 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1188.0,0.00%,F,T)



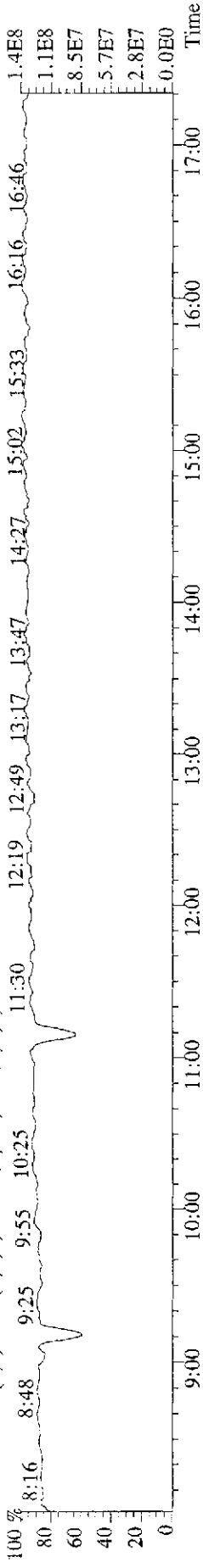
509.7229 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1296.0,0.00%,F,T)



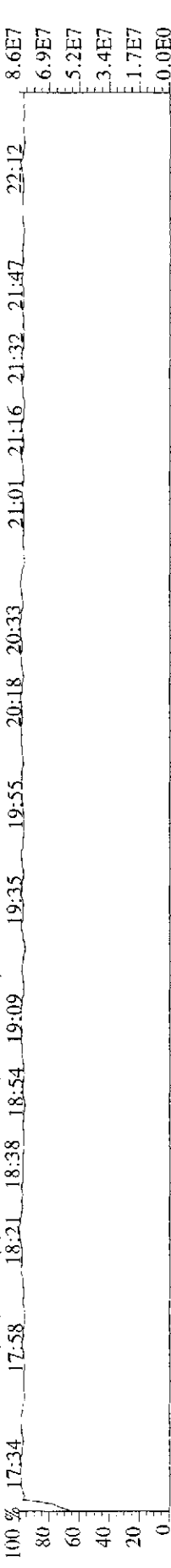
File: 09JUL09E9D5 #1-633 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE

Sample#2 Text: ST0709A :CS3 09DXN207 Exp: 209DB5

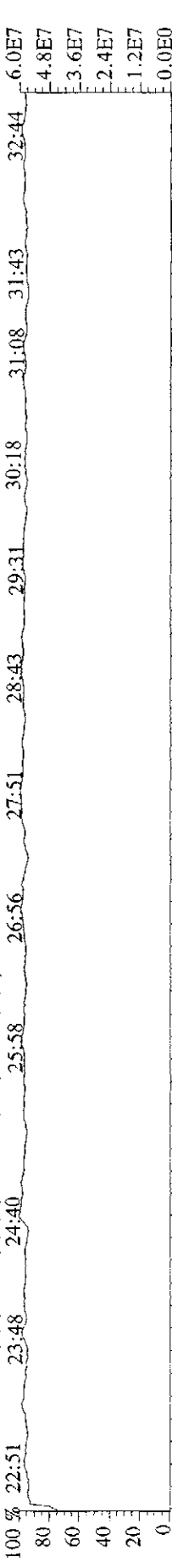
218.9856 S:2 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



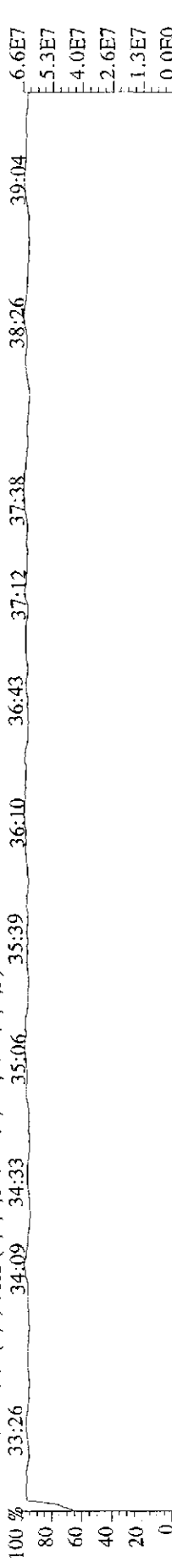
330.9792 S:2 F:2 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



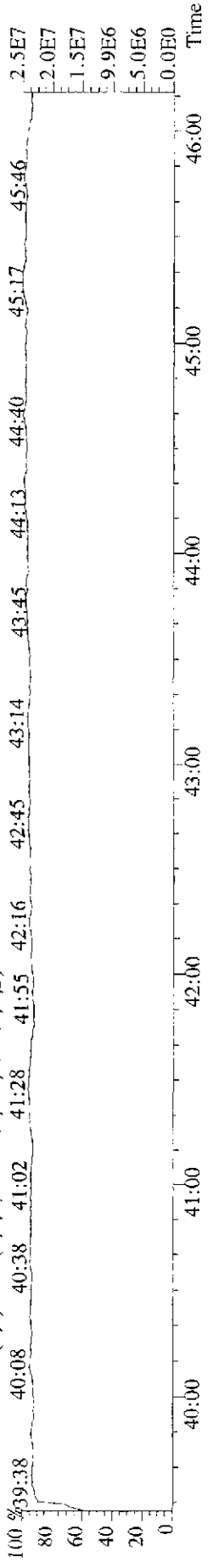
380.9760 S:2 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



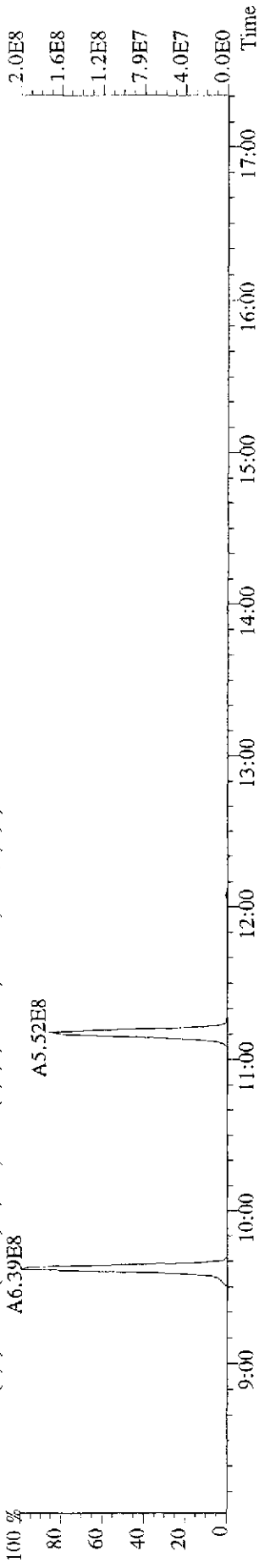
380.9760 S:2 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



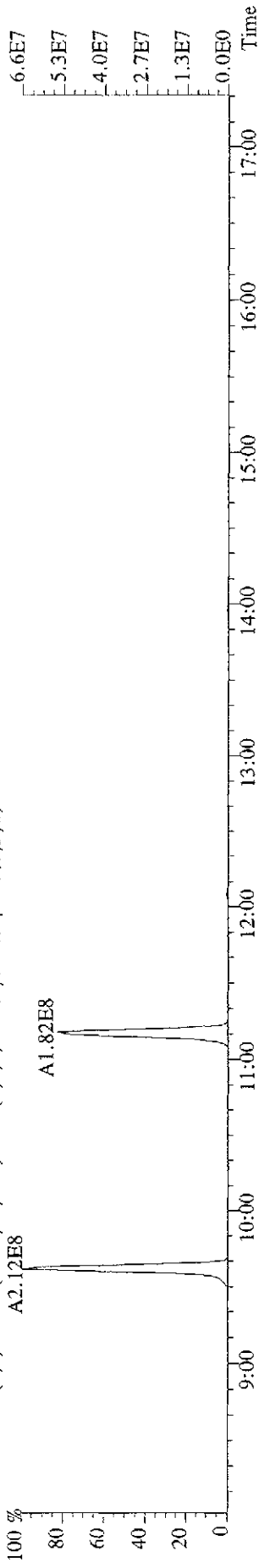
480.9696 S:2 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



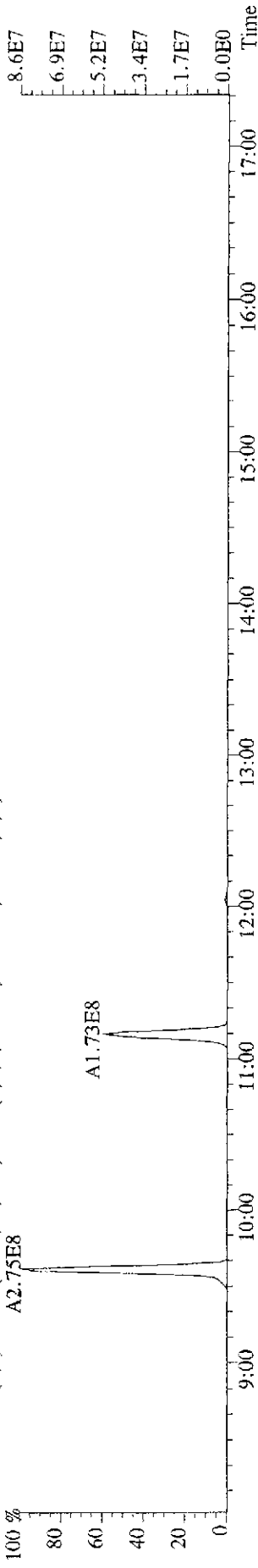
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 188.0393 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6712.0,0.00%,F,T)  
 A6.39E8



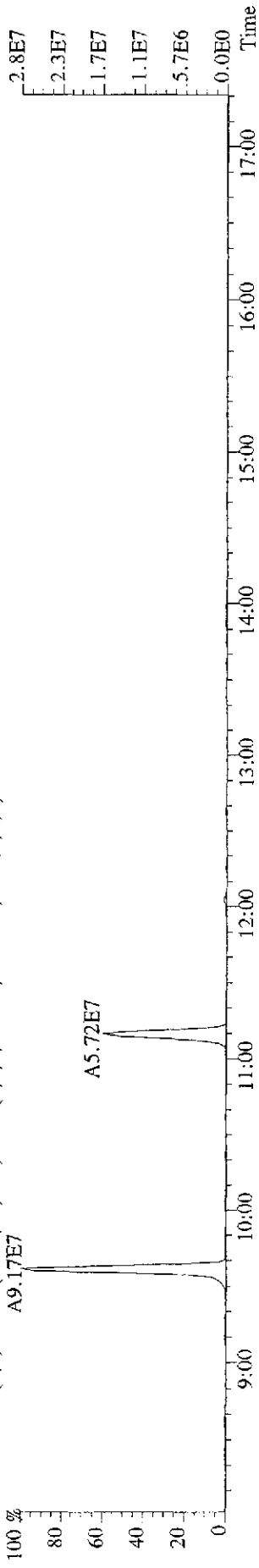
190.0363 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4224.0,0.00%,F,T)  
 A2.12E8



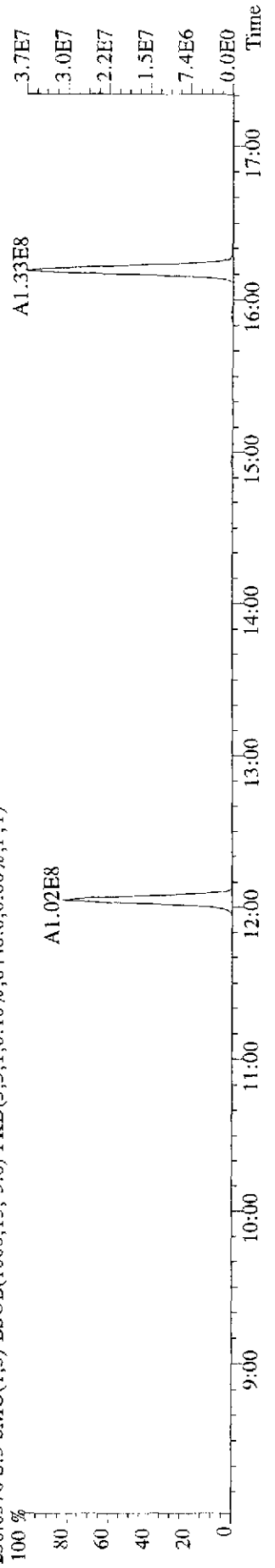
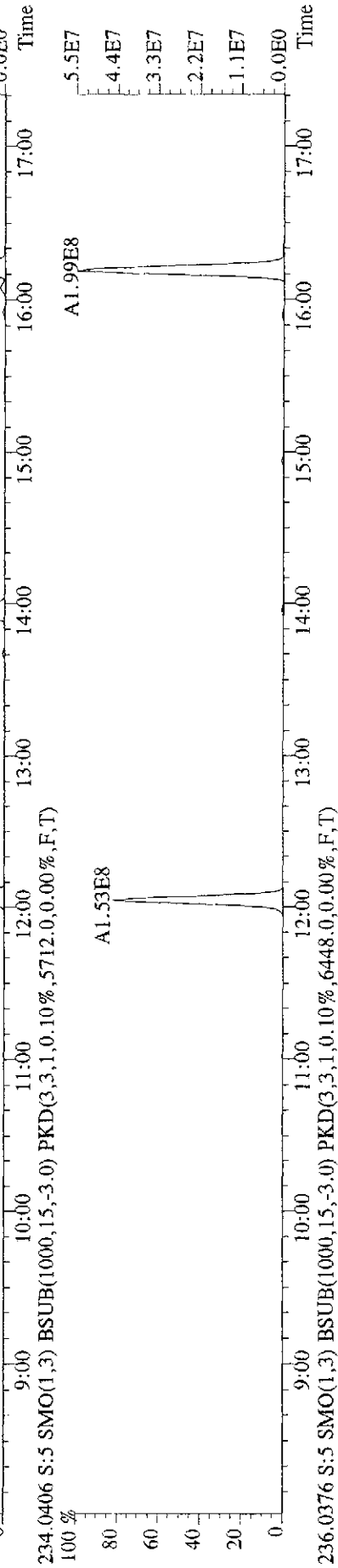
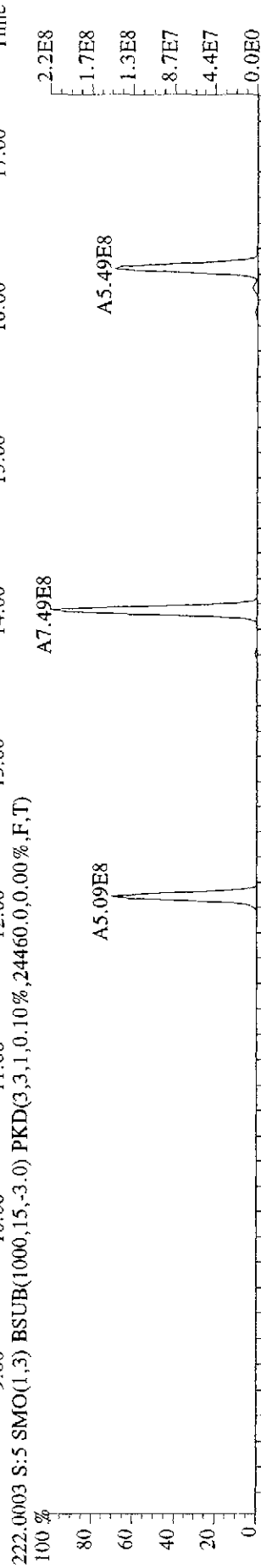
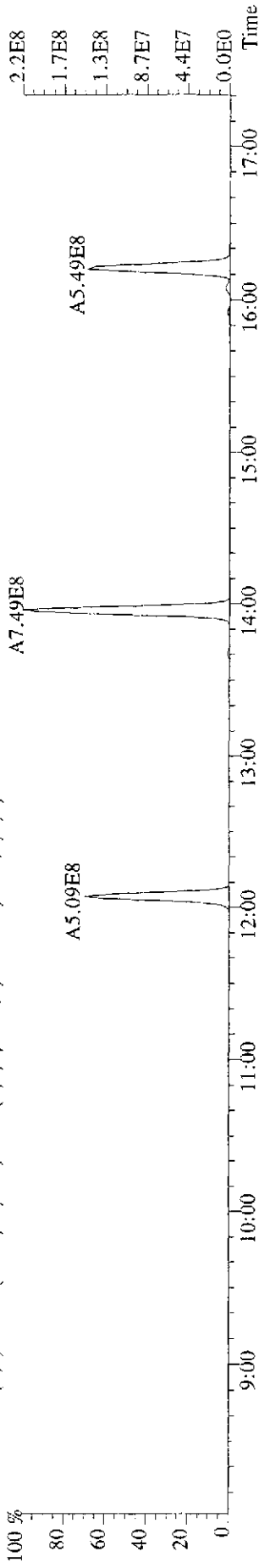
200.0795 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,10264.0,0.00%,F,T)  
 A2.75E8



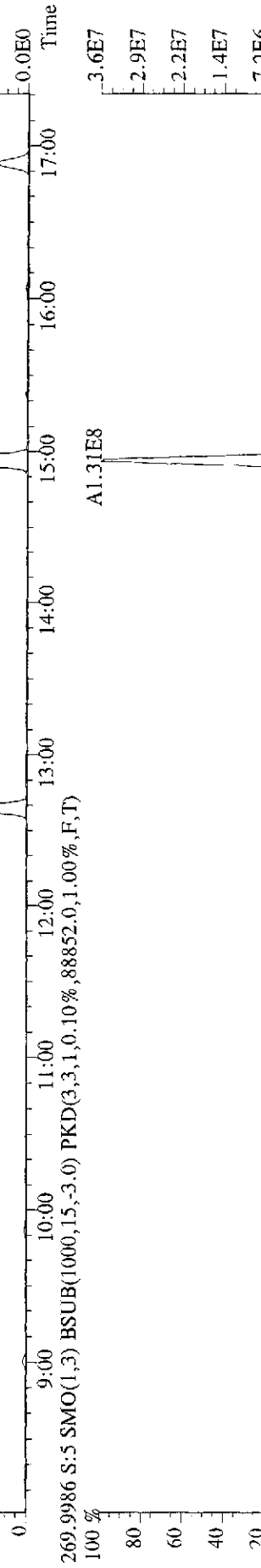
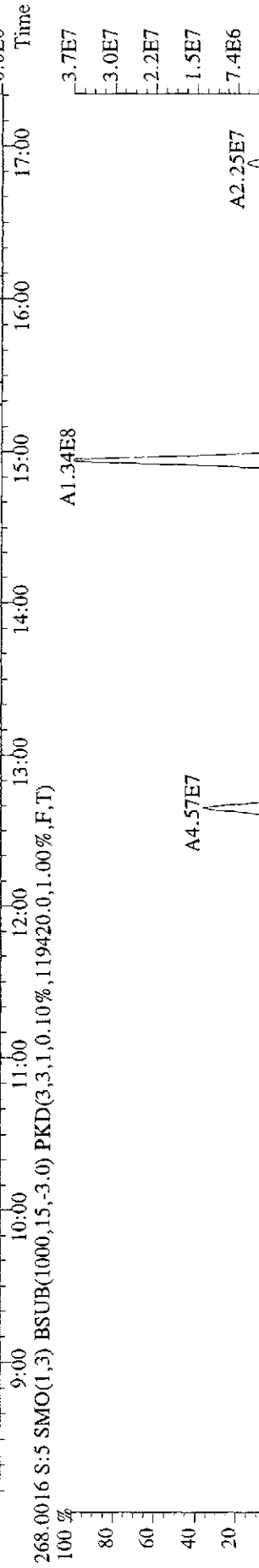
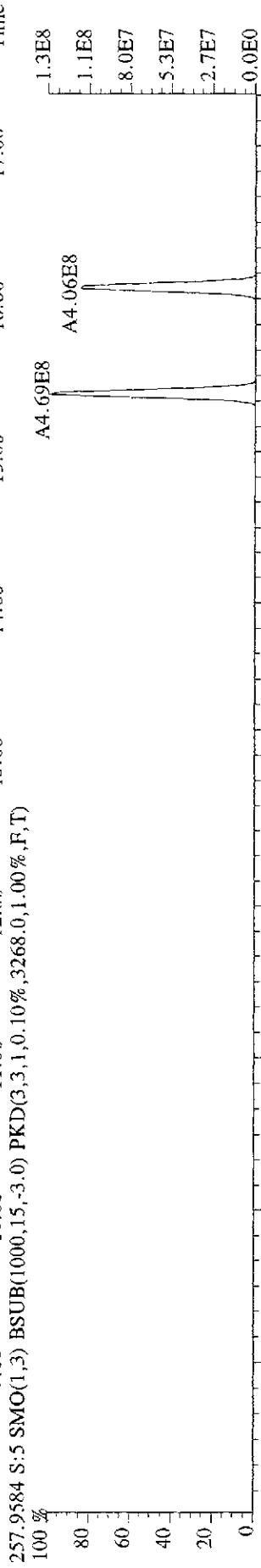
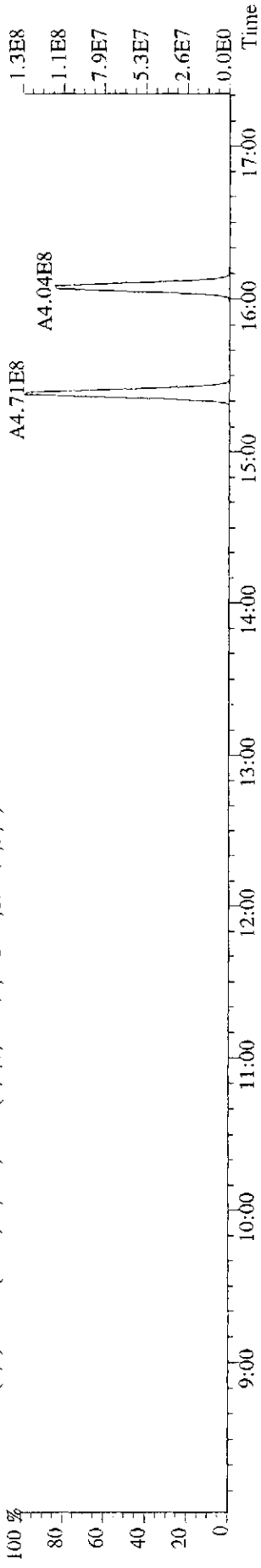
202.0766 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,50040.0,0.00%,F,T)  
 A9.17E7



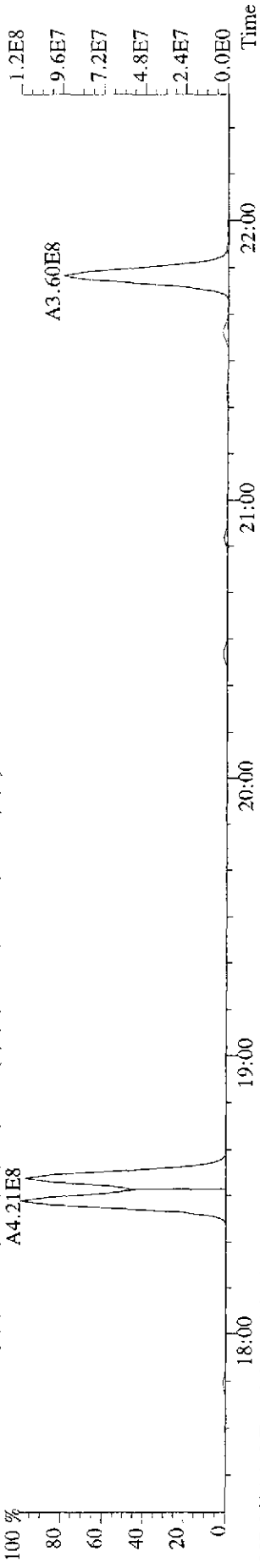
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 222.0003 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,24460.0,0.00%,F,T)



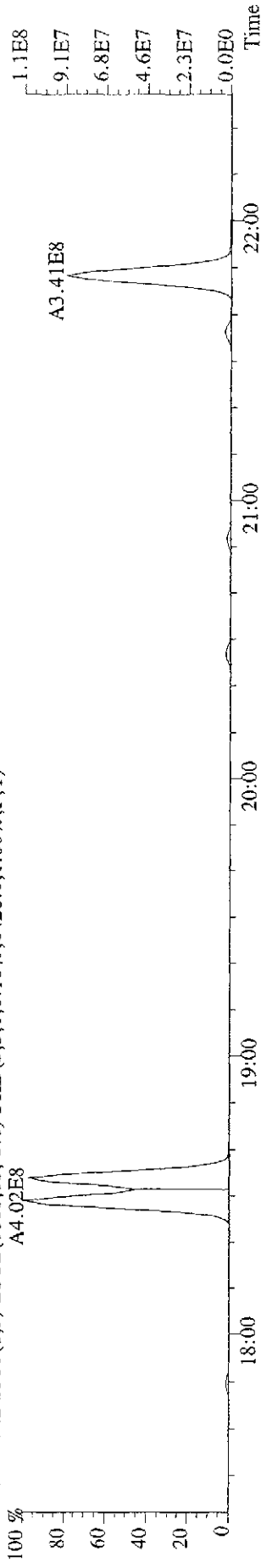
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 255.9613 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6920.0,1.00%,F,T)



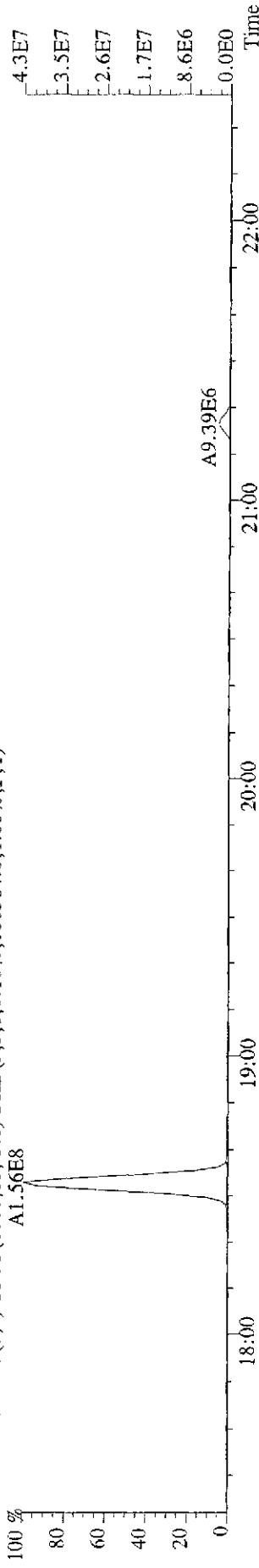
File:09JL09E9D5 #1-371 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 255.9613 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,92.60,0,1.00%,F,T)



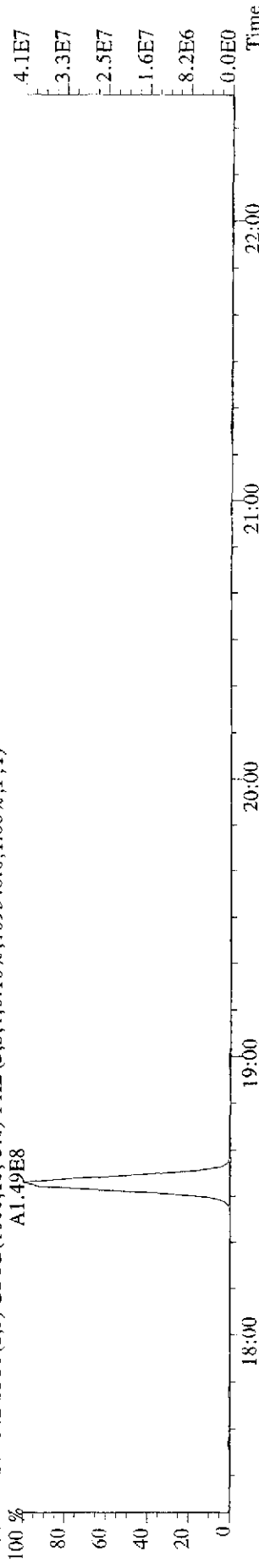
257.9584 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,64.28,0,1.00%,F,T)



268.0016 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,100.384,0,1.00%,F,T)

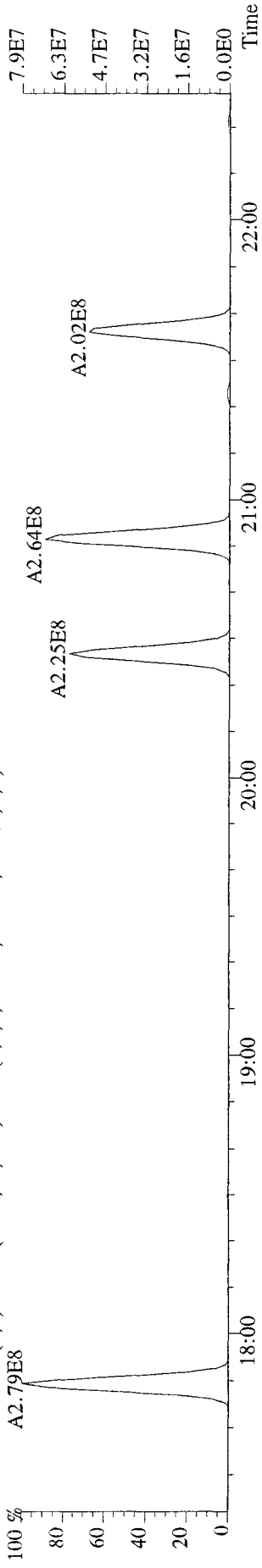


269.9986 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,109.540,0,1.00%,F,T)

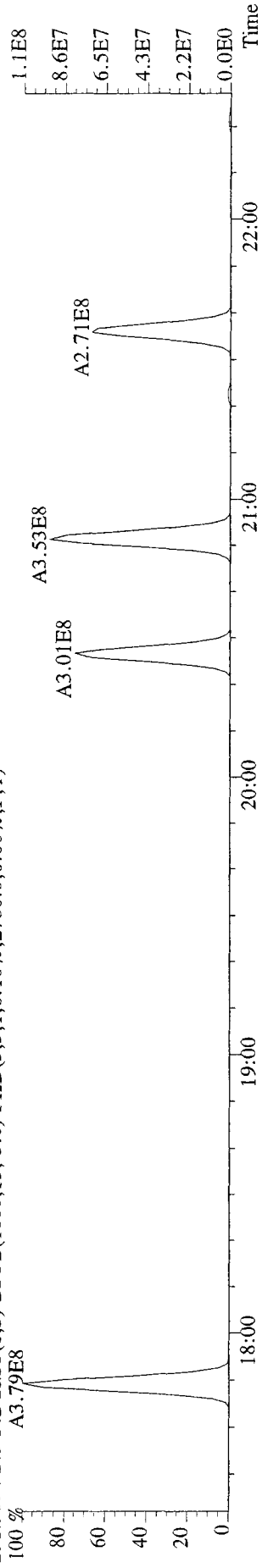




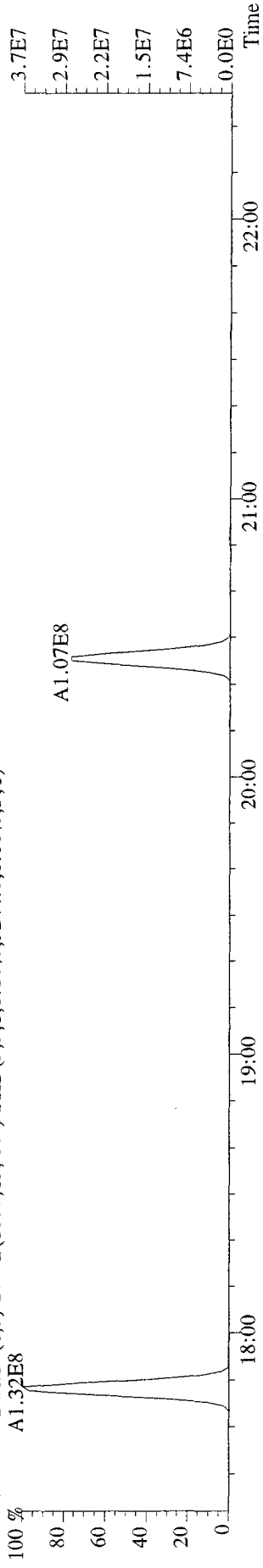
File:09JL09E9D5 #1-371 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 289.9224 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2,552.0,0.00%,F,T)



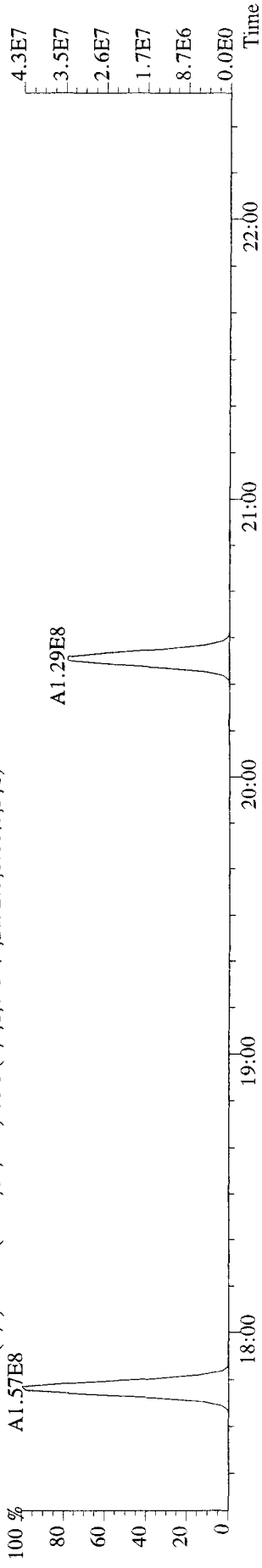
291.9194 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2,780.0,0.00%,F,T)



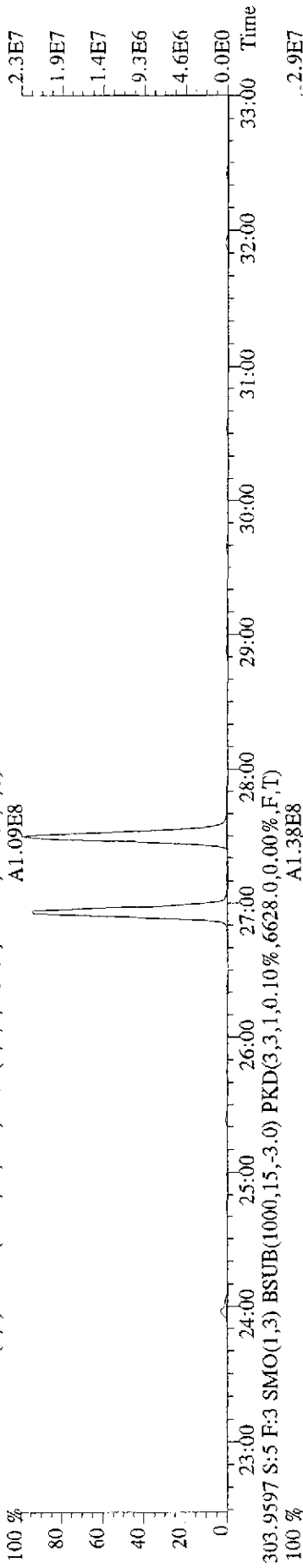
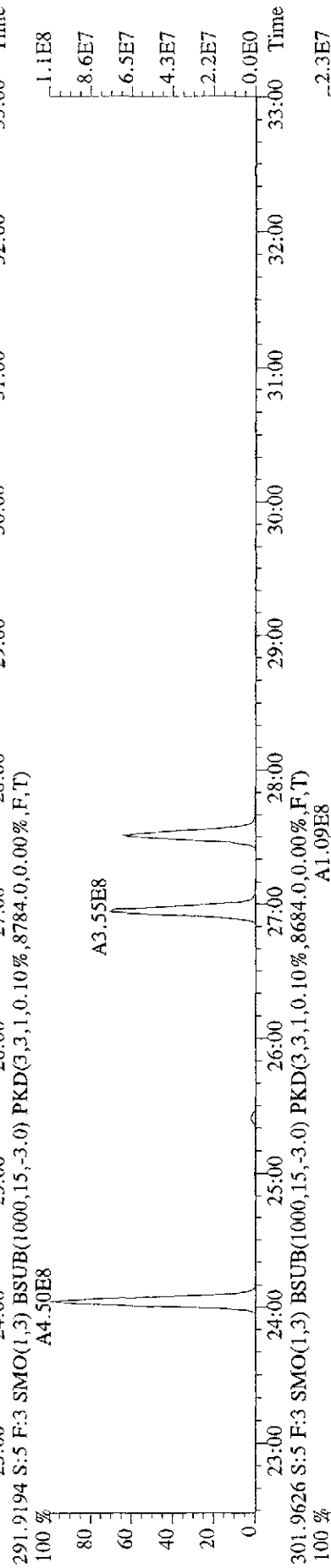
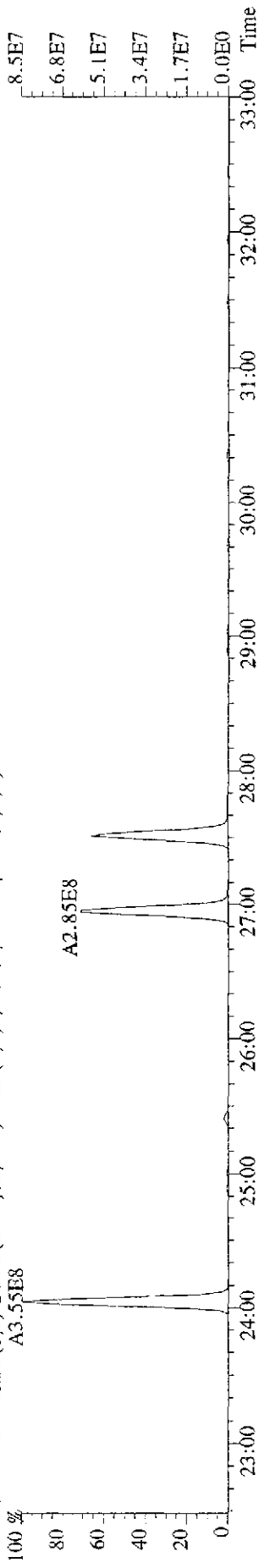
301.9626 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,9,244.0,0.00%,F,T)



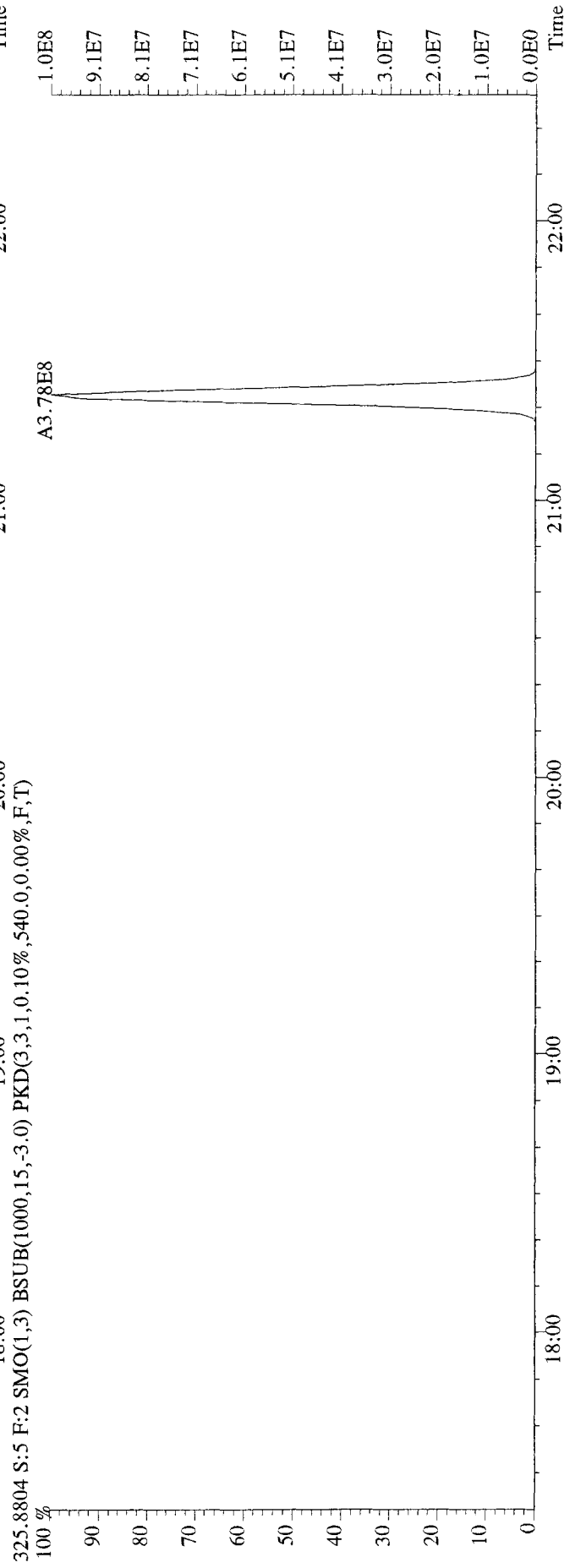
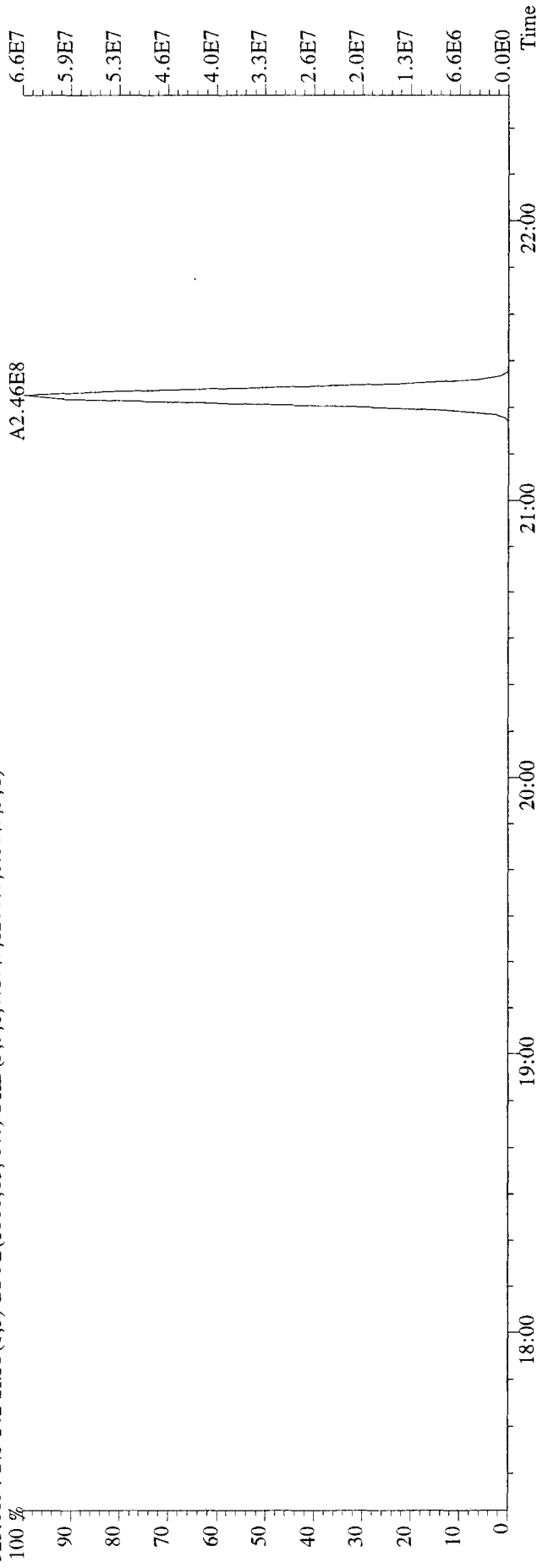
303.9597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2,892.0,0.00%,F,T)



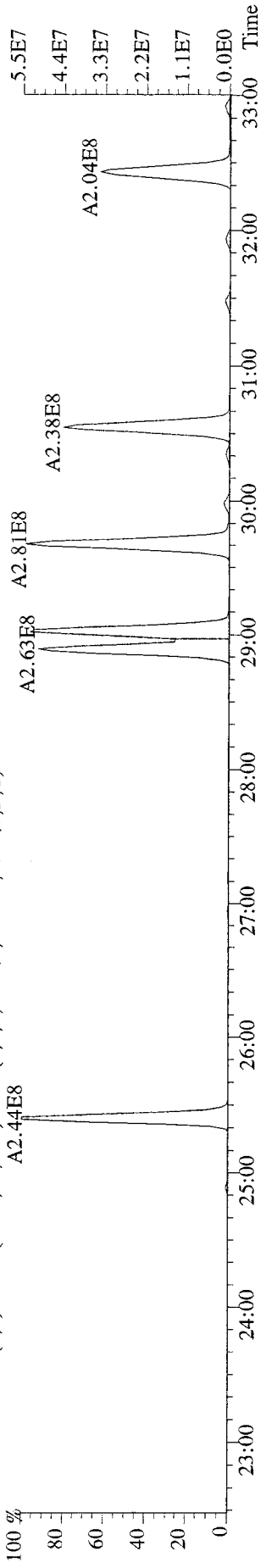
File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7156.0,0.00%,F,T)  
 A3.55E8



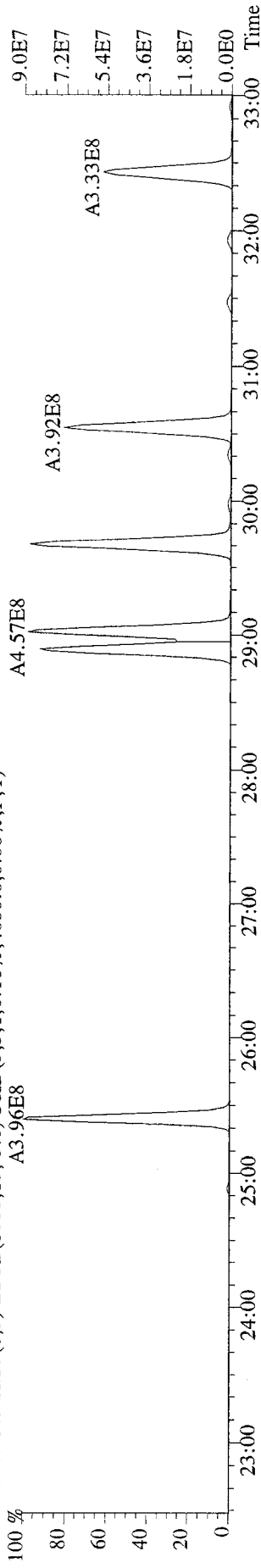
File:09JL09E9D5 #1-371 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
323.8834 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1280.0,0.00%,F,T)



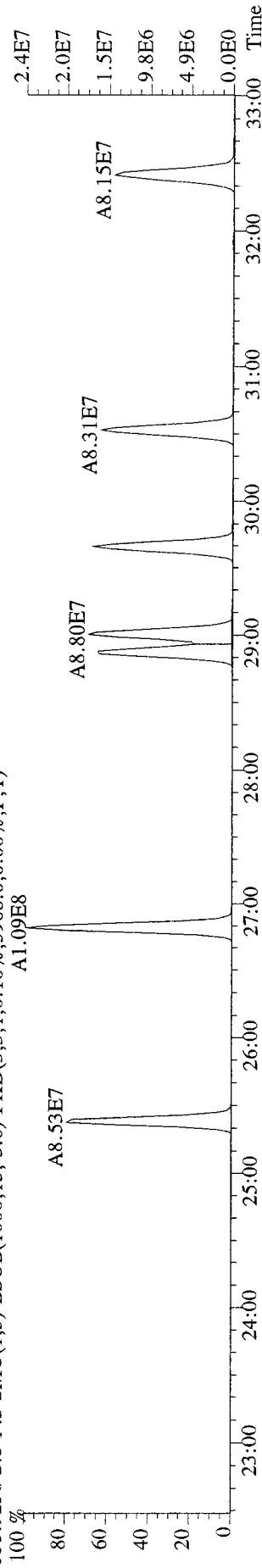
File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 323.8834 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6076,0.00%,F,T)  
 100 % A2.44E8



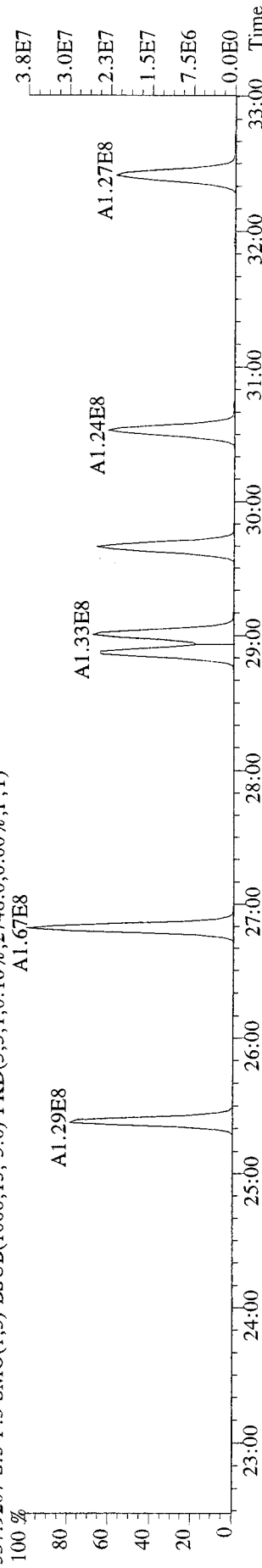
325.8804 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4680,0.00%,F,T)  
 100 % A3.96E8



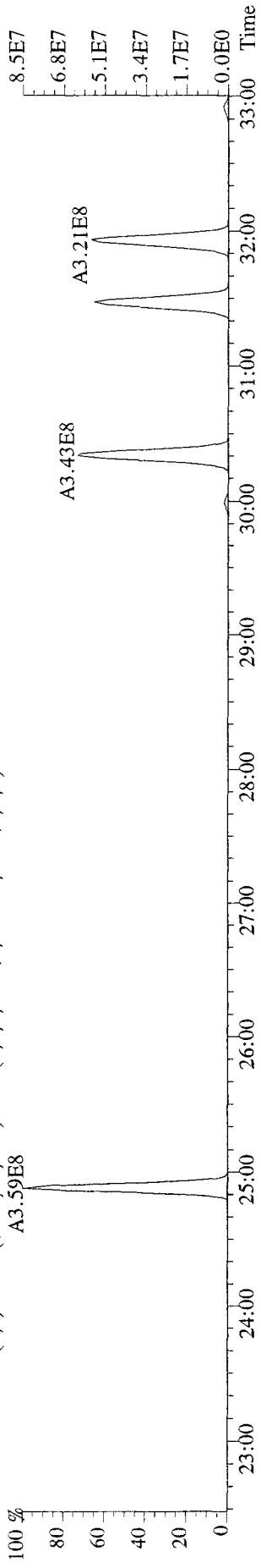
335.9236 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5968,0.00%,F,T)  
 100 % A1.09E8



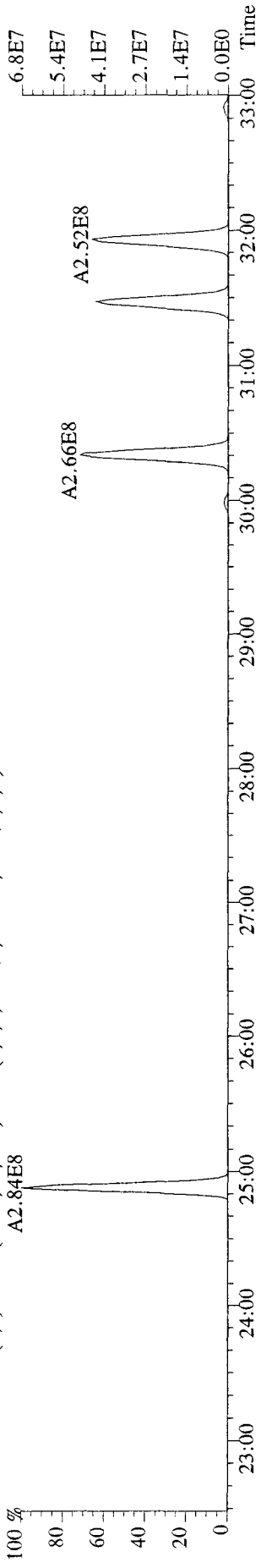
337.9207 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2748,0.00%,F,T)  
 100 % A1.67E8



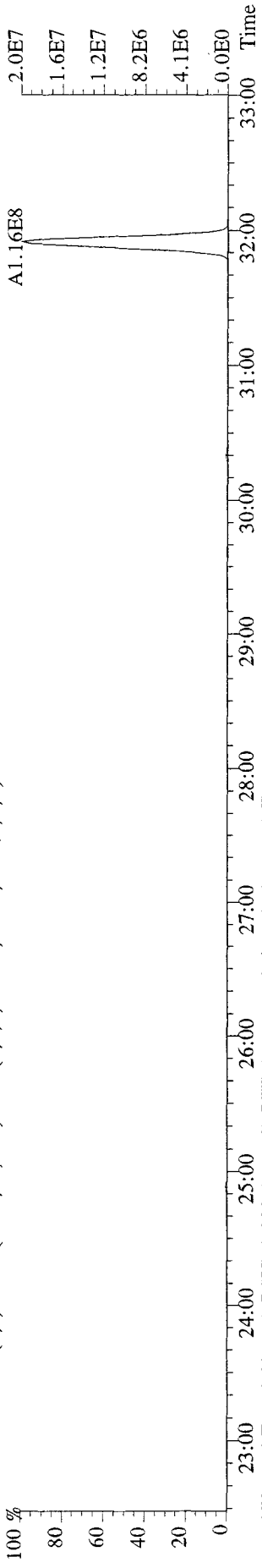
File: 09JUL09E9D5 #1-593 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: ST0709D :CS4 09DXN208 Exp:209DB5  
 359.8415 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1880.0,0.00%,F,T)  
 A3.59E8



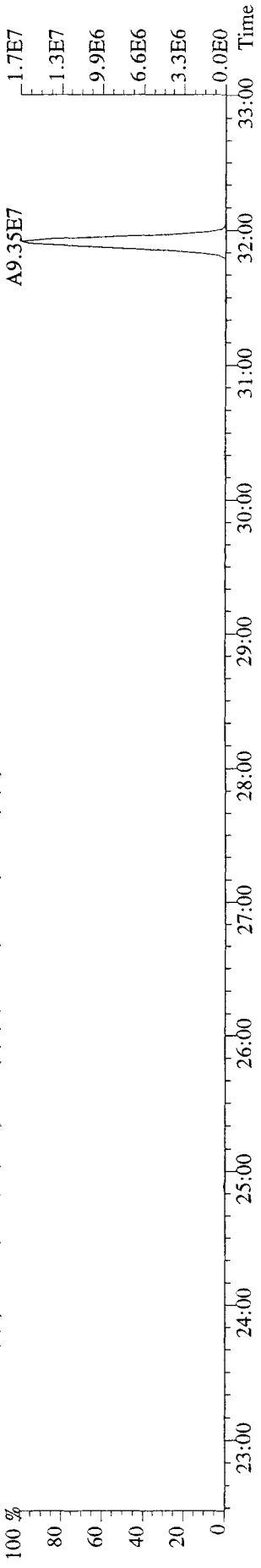
361.8385 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1864.0,0.00%,F,T)  
 A2.84E8



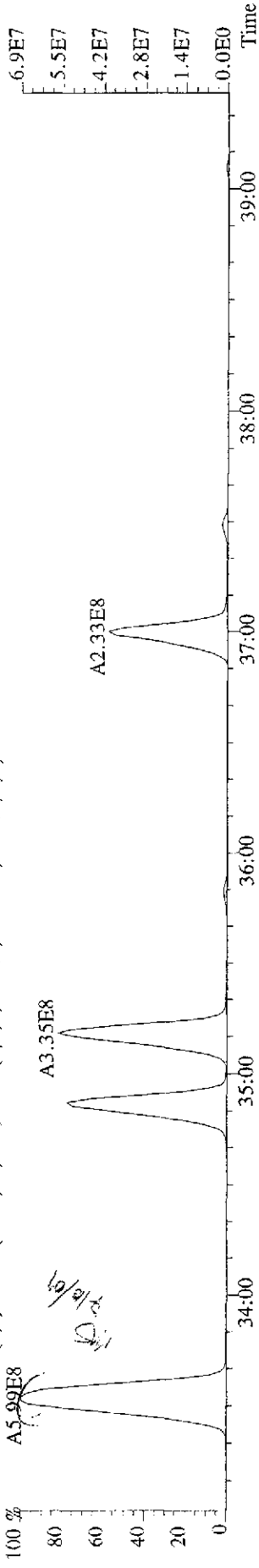
371.8817 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,672.0,0.00%,F,T)  
 A1.16E8



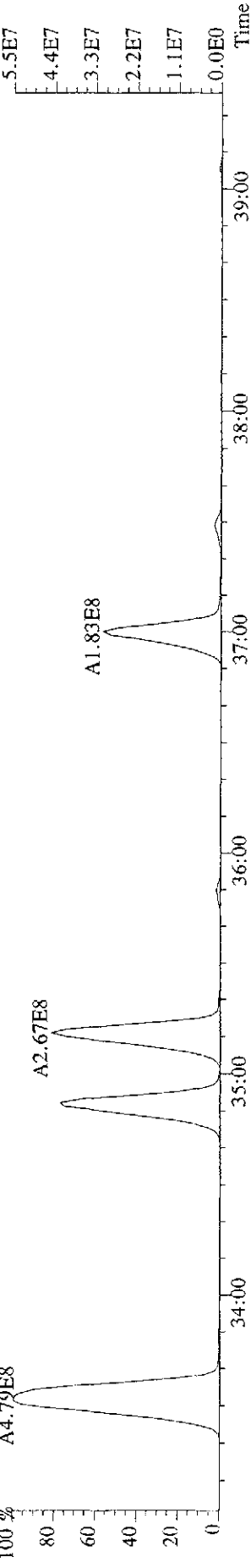
373.8788 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1164.0,0.00%,F,T)  
 A9.35E7



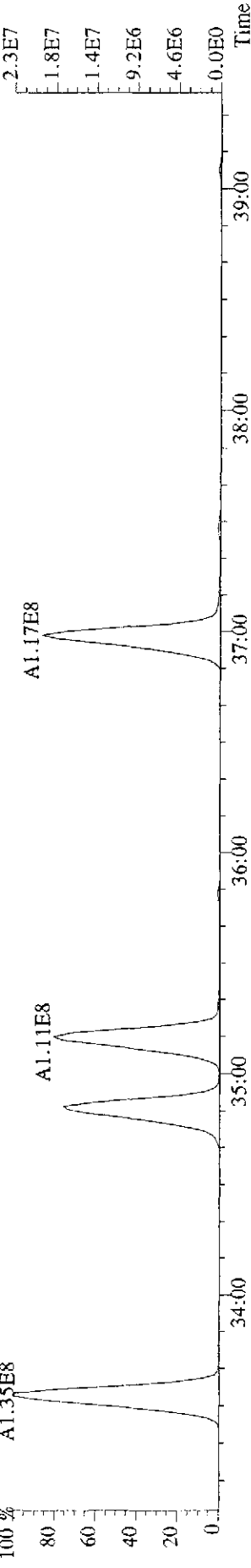
File:09JL09E9D5 #1-391 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,29432.0,0.00%,F,T)



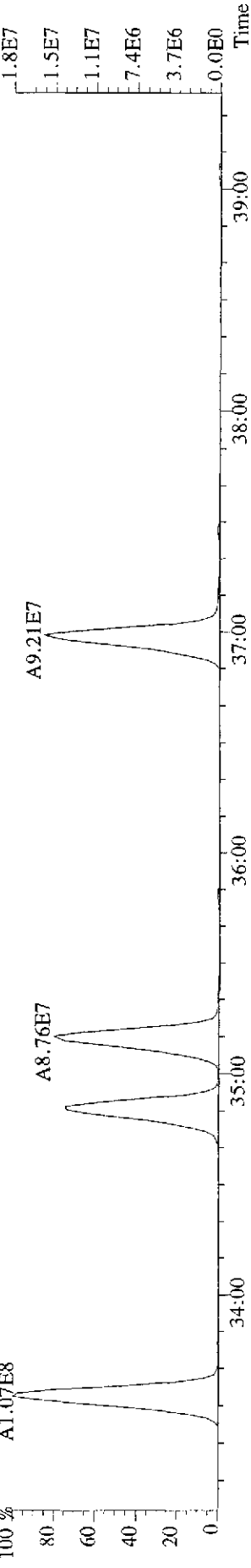
361.8385 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,17860.0,0.00%,F,T)



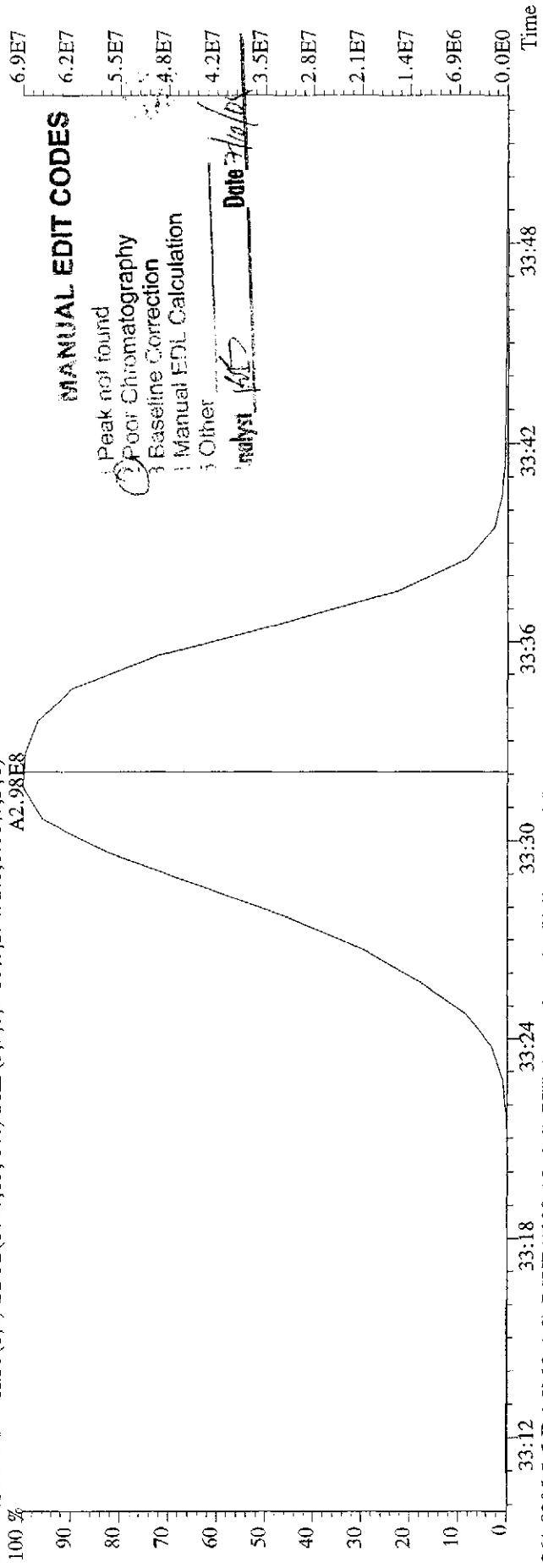
371.8817 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6116.0,0.00%,F,T)



373.8788 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5848.0,0.00%,F,T)



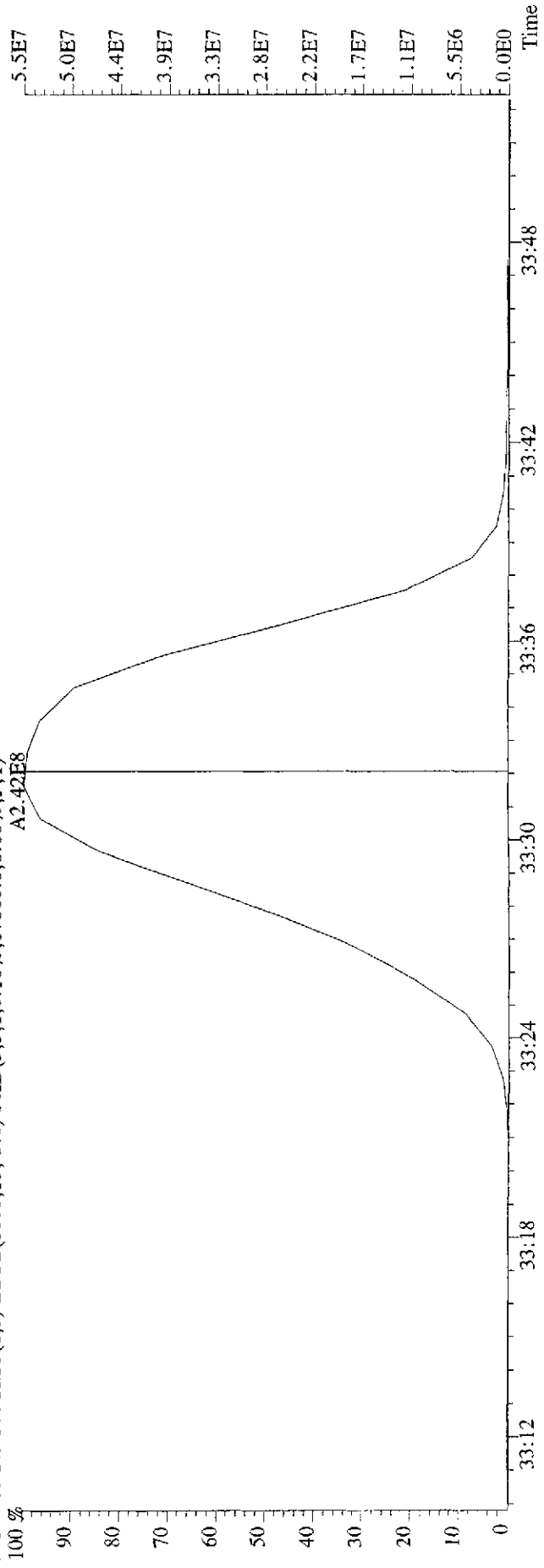
File: 09JL09E9D5 #1-391 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: ST0709D :CS4 09DXN208 Exp:209DB5  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,29432.0,0.00%,F,T)  
 A2.98E8



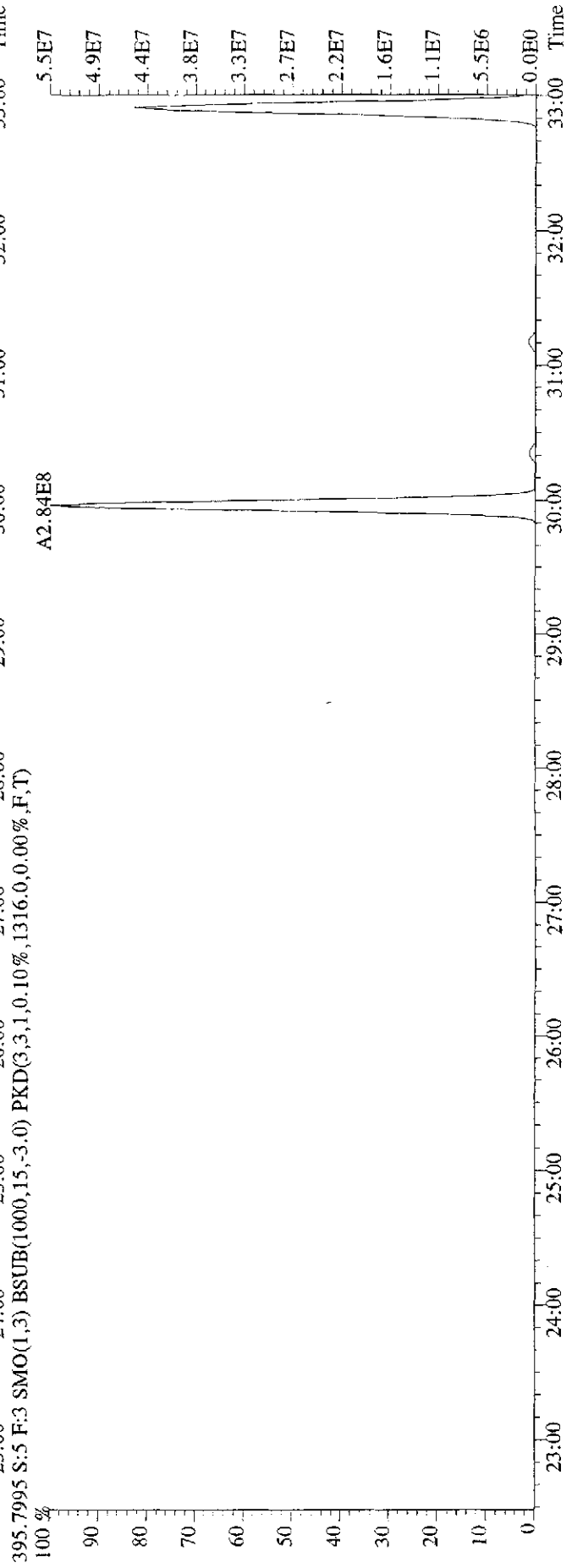
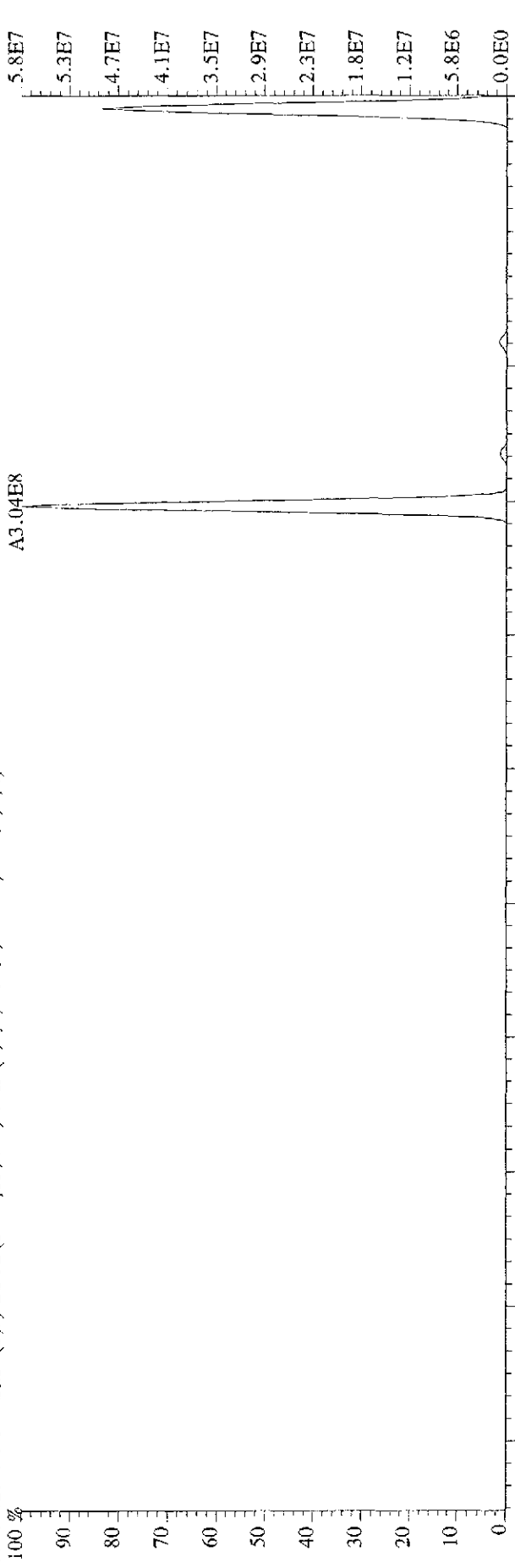
**MANUAL EDIT CODES**

- 1 Peak not found
  - 2 Poor Chromatography
  - 3 Baseline Correction
  - 4 Manual EDL Calculation
  - 5 Other
- Analyst: MS Date: 7/10/09

361.8385 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,17860.0,0.00%,F,T)  
 A2.42E8

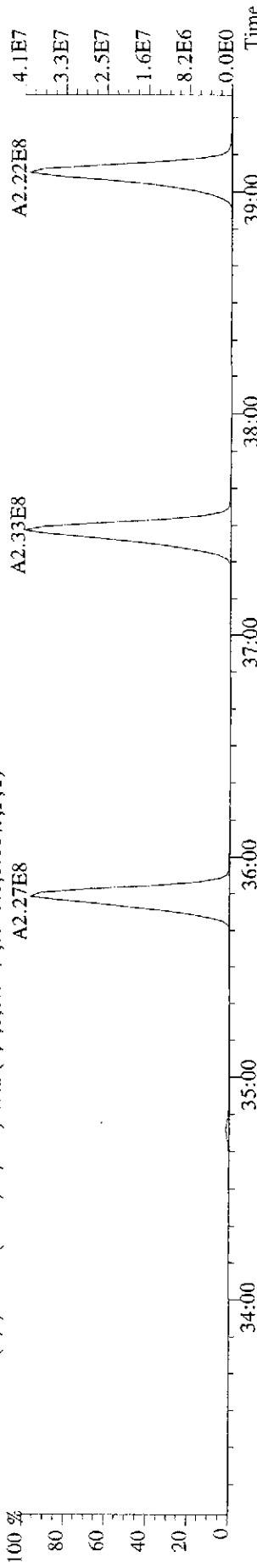


File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 393.802.5 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4984.0,0.00%,F,T)

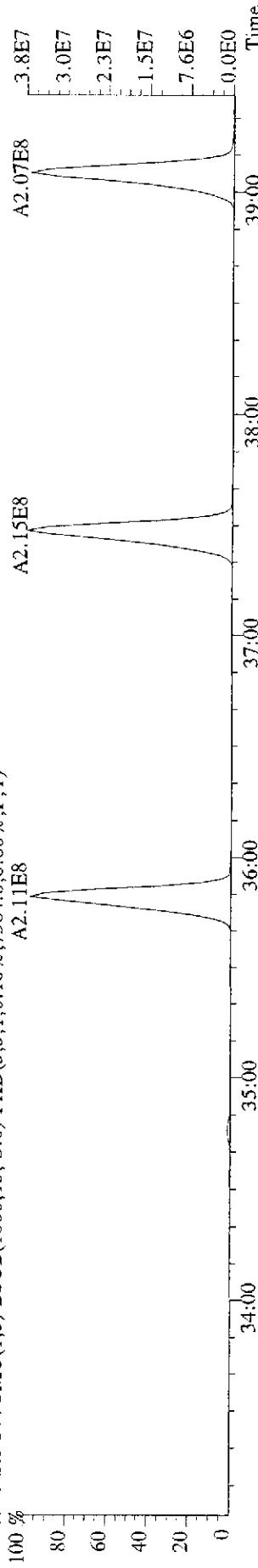




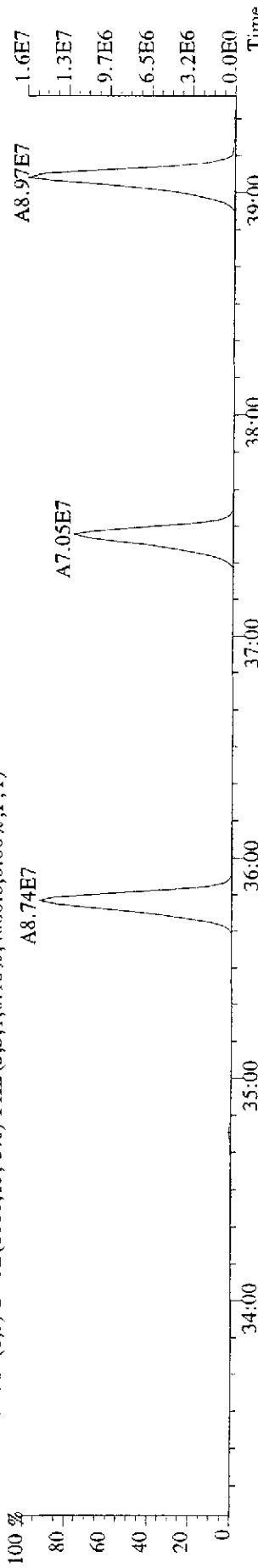
File:09JL09E9D5 #1-391 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 393.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7900,0.00%,F,T)  
 100 %



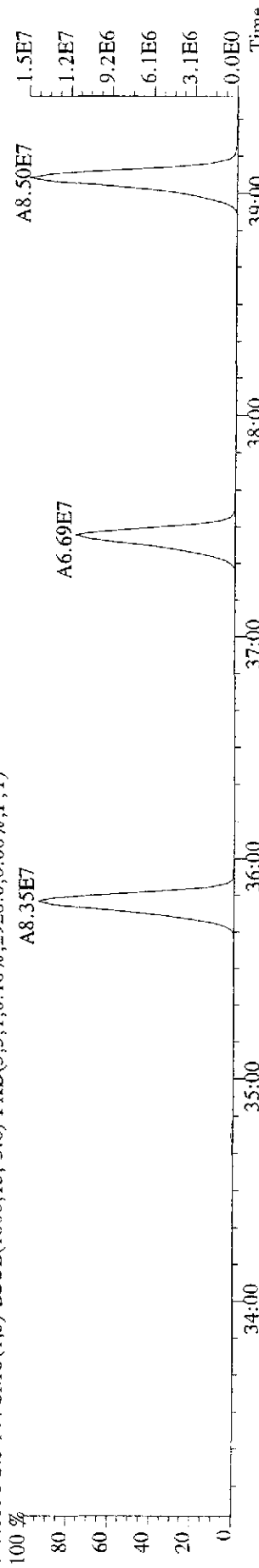
395.7995 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,7364,0.00%,F,T)  
 100 %



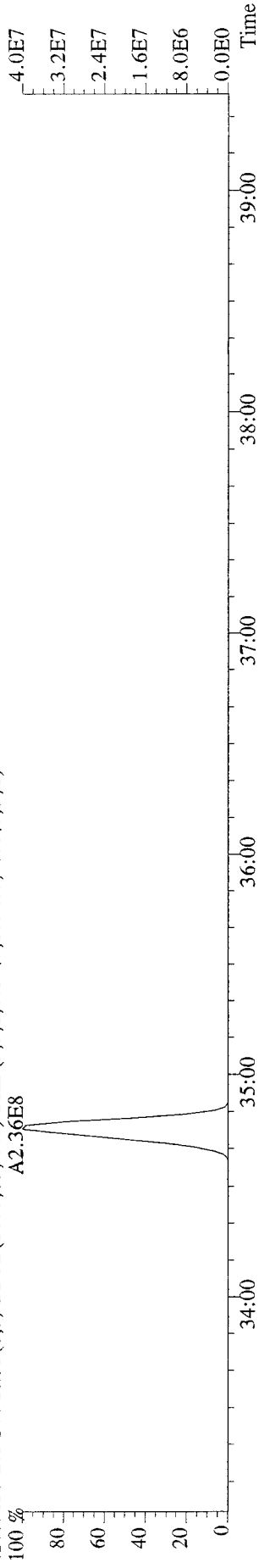
405.8428 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4000,0.00%,F,T)  
 100 %



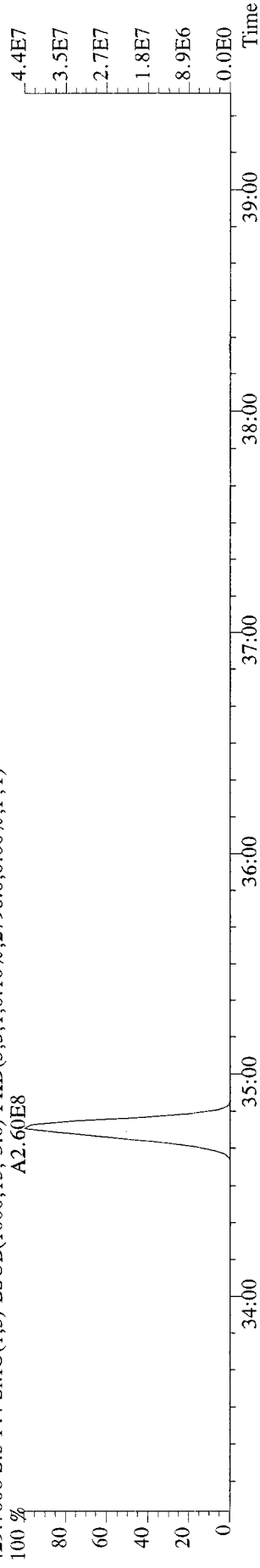
407.8398 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2928,0.00%,F,T)  
 100 %



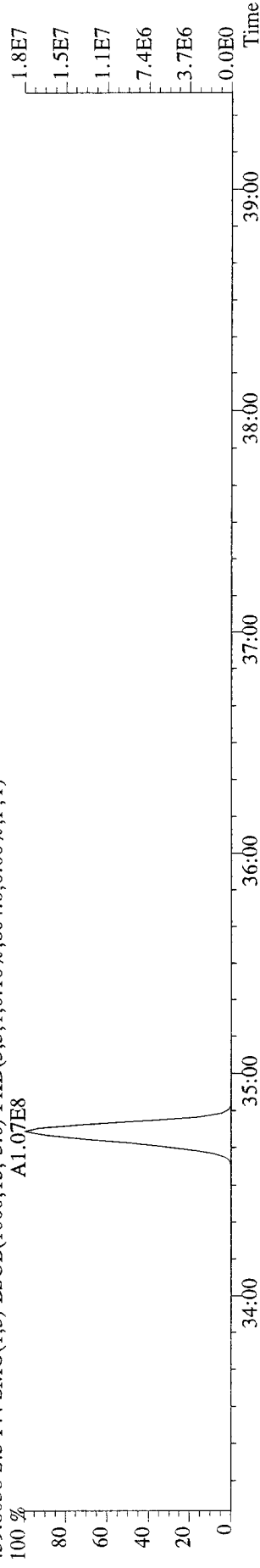
File:09JL09E9D5 #1-391 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
427.7635 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,1736.0,0.00%,F,T)  
A2.36E8



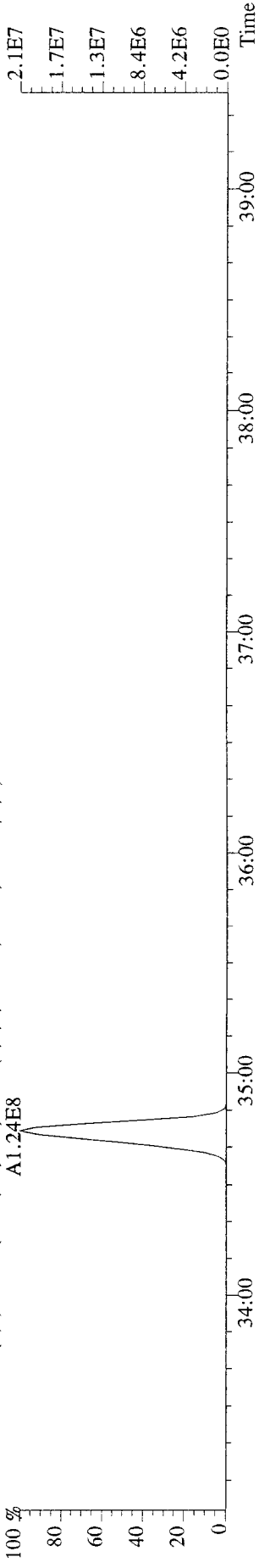
429.7606 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,2796.0,0.00%,F,T)  
A2.60E8



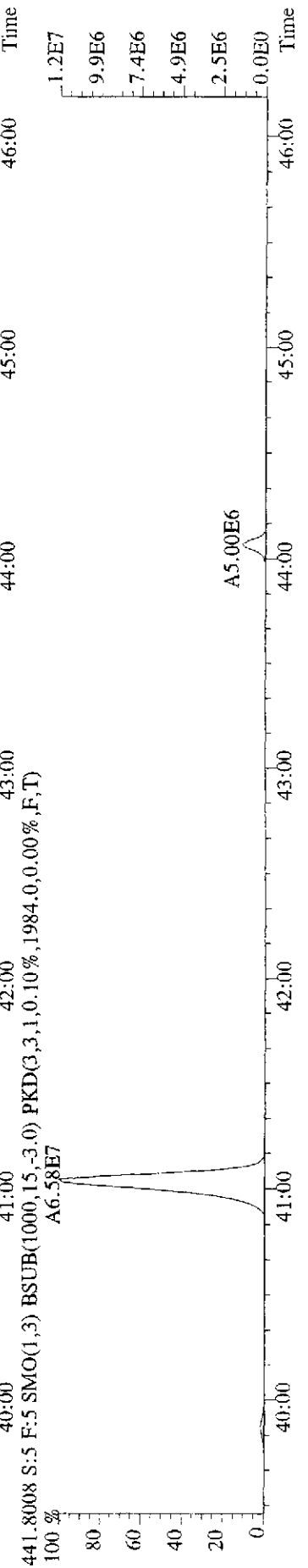
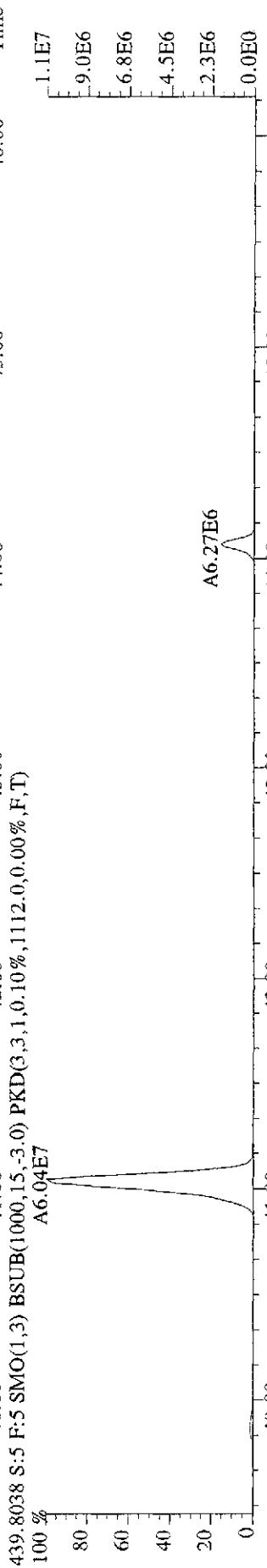
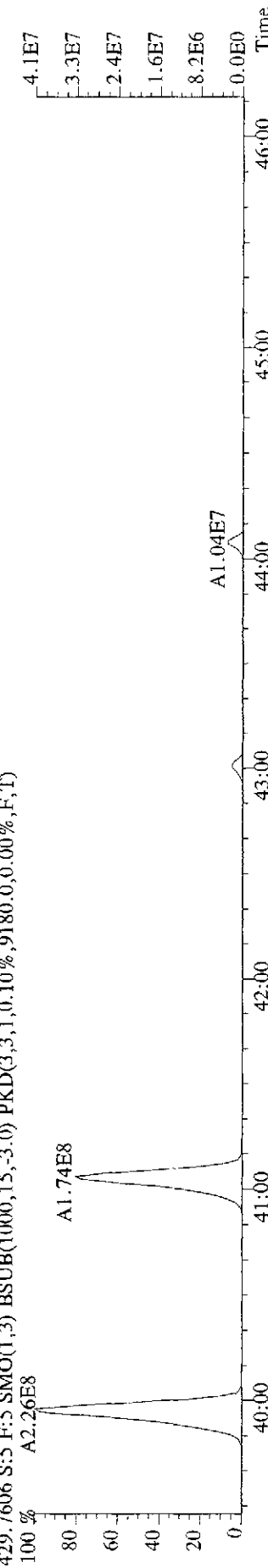
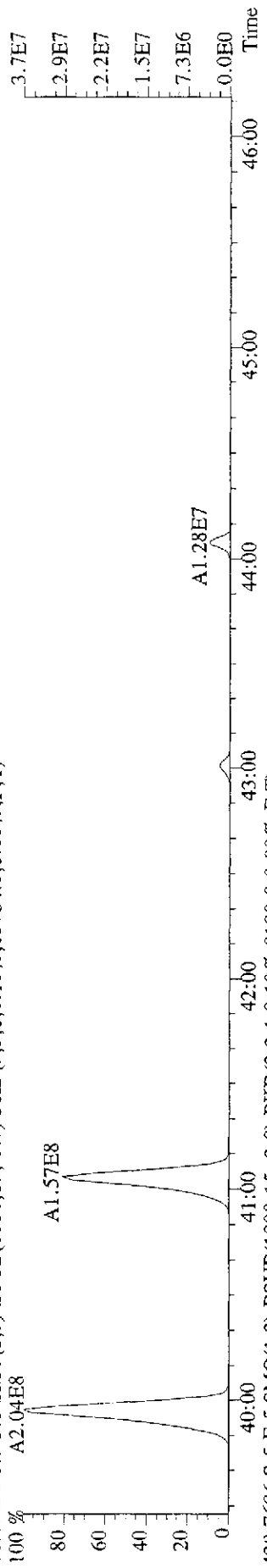
439.8038 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,804.0,0.00%,F,T)  
A1.07E8



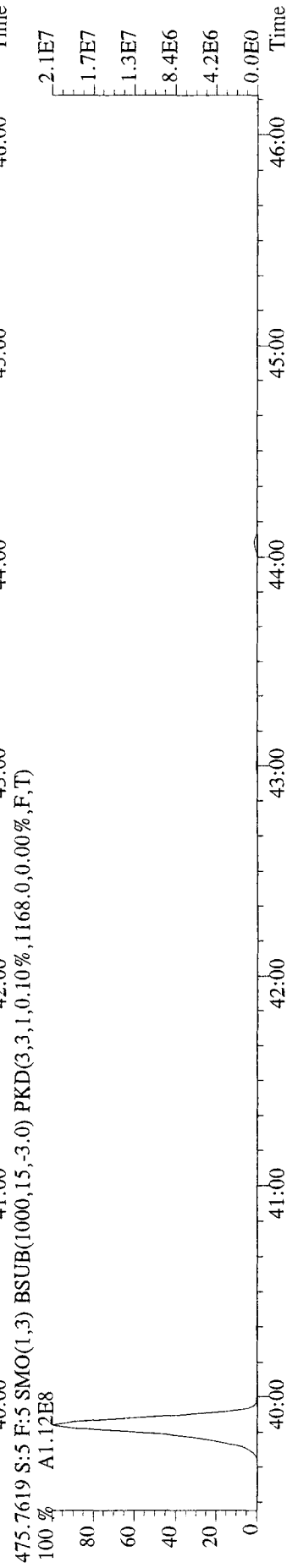
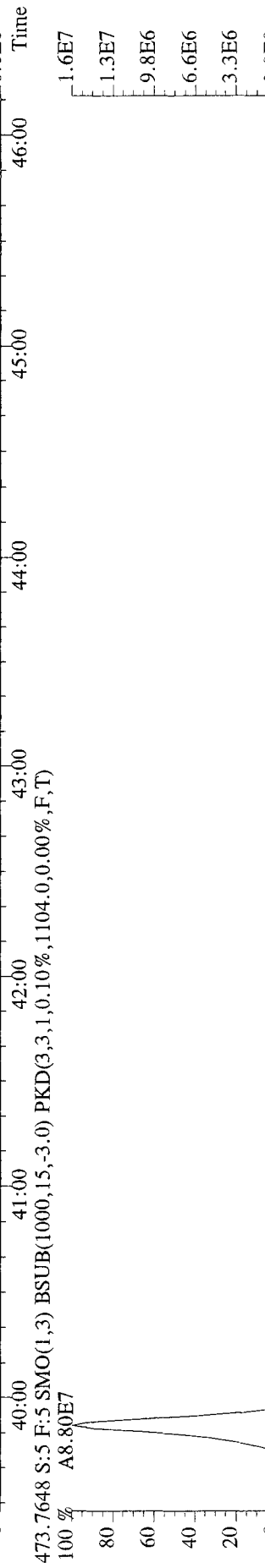
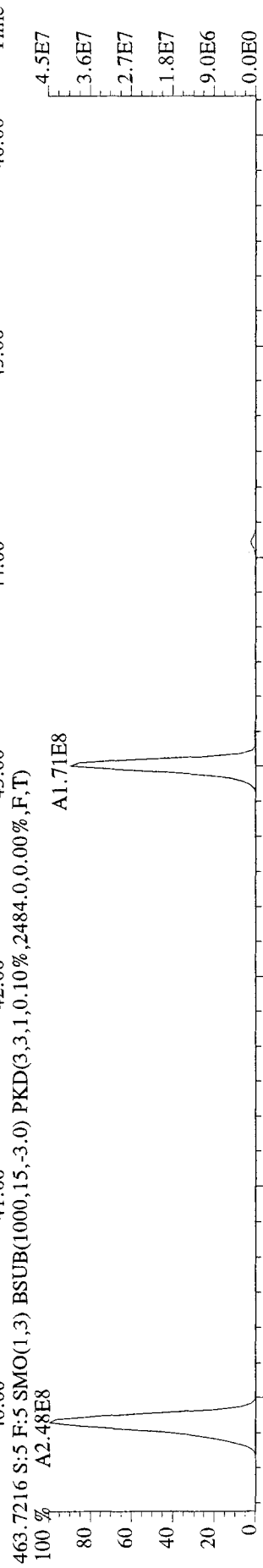
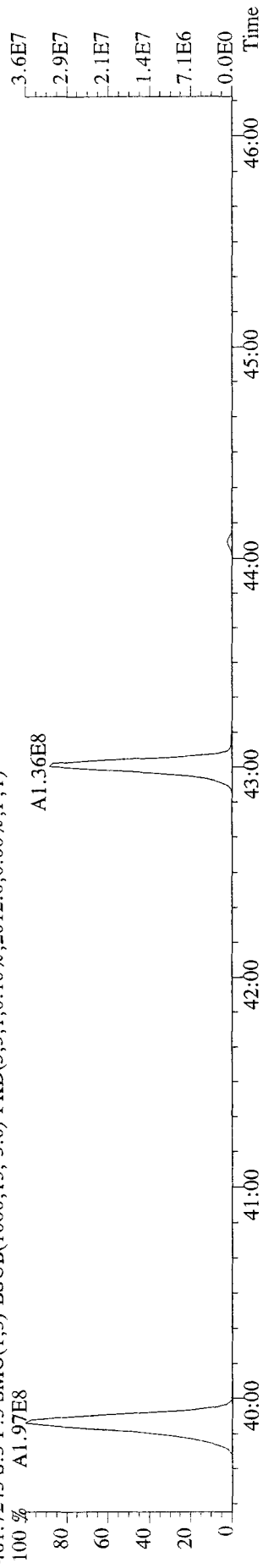
441.8008 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,720.0,0.00%,F,T)  
A1.24E8



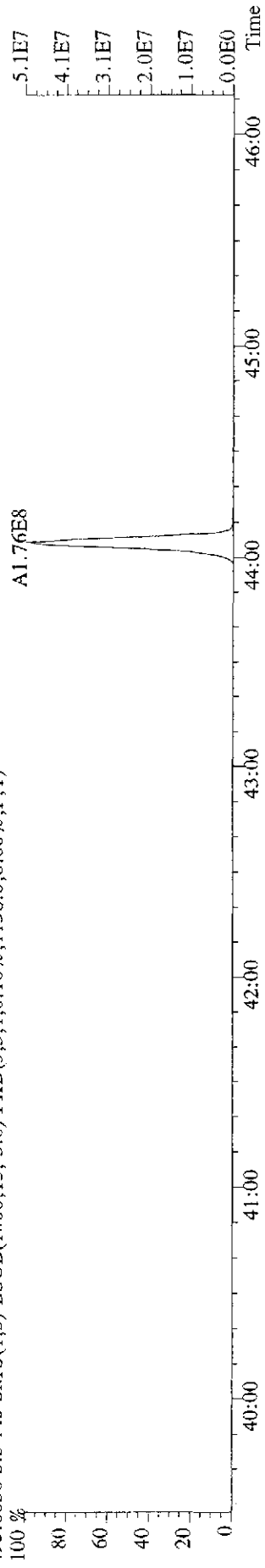
File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 427.7635 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,15784,0,0.00%,F,T)



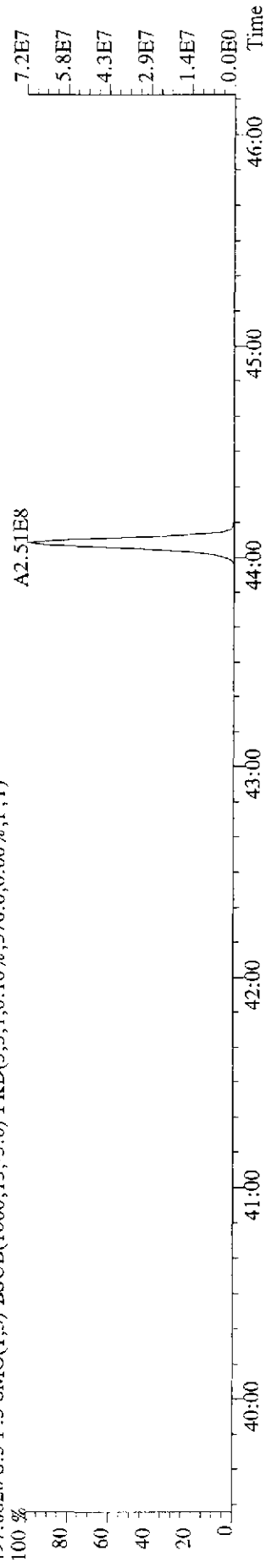
File: 09JL09E9D5 #1-447 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 461.7245 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2012.0,0.00%,F,T)



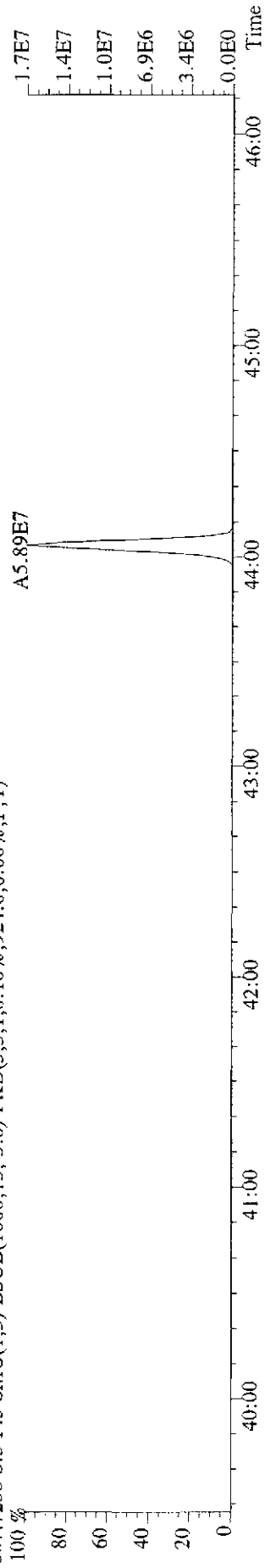
File: 09JL09E9D5 #1-447 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: ST0709D :CS4 09DXN208 Exp:209DB5  
 495.6856 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1136.0,0.00%,F,T)



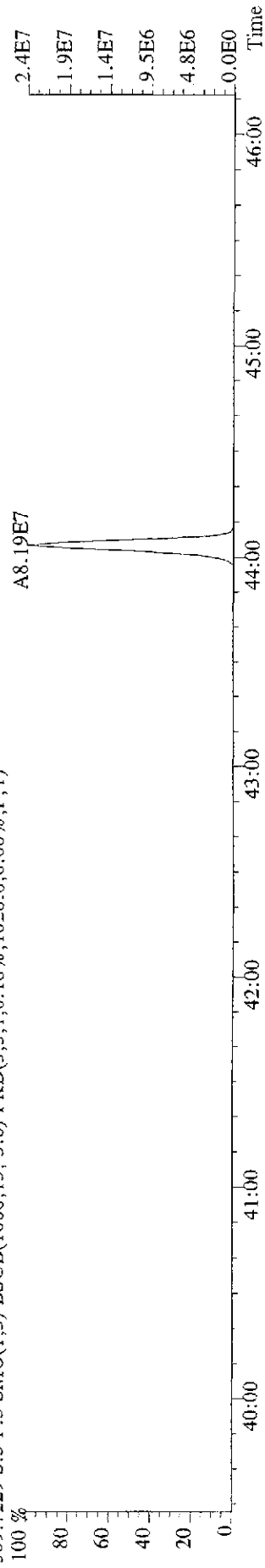
497.6826 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,576.0,0.00%,F,T)



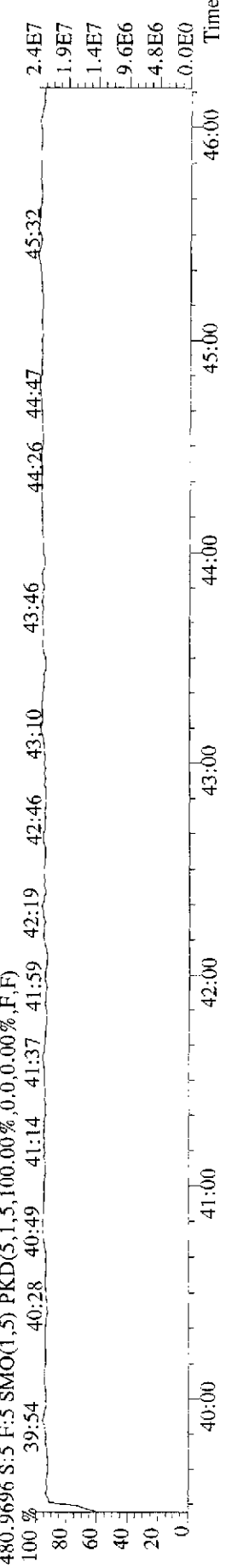
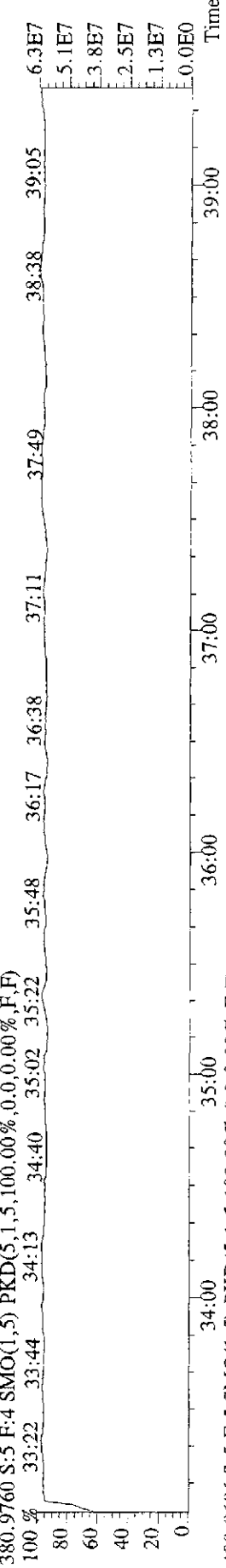
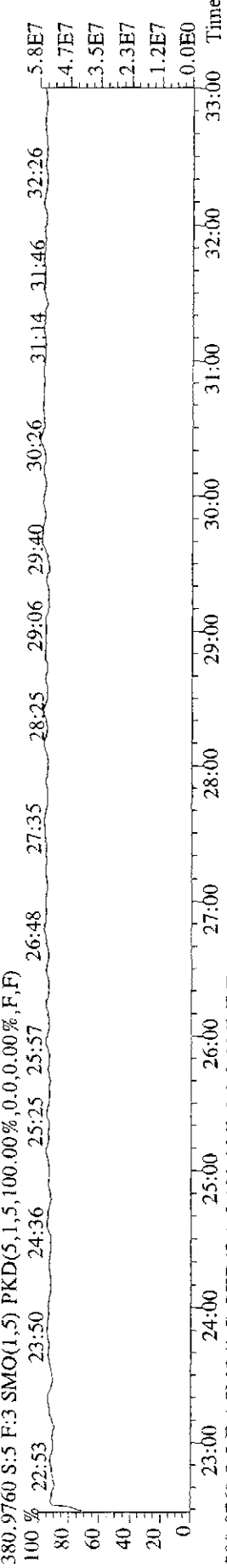
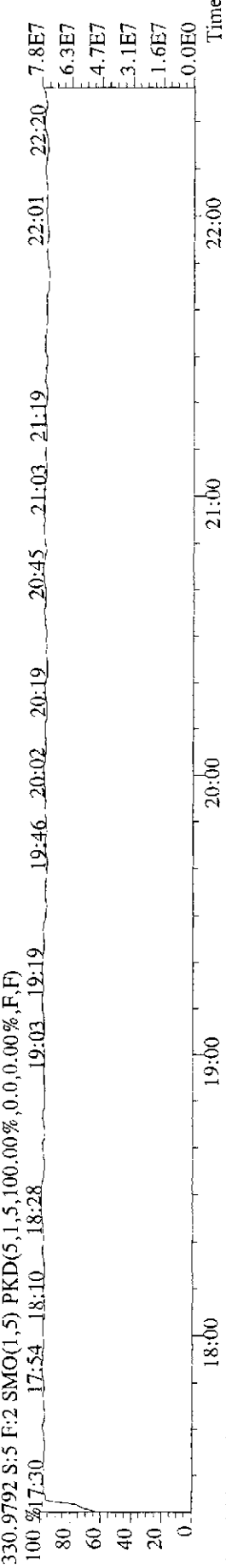
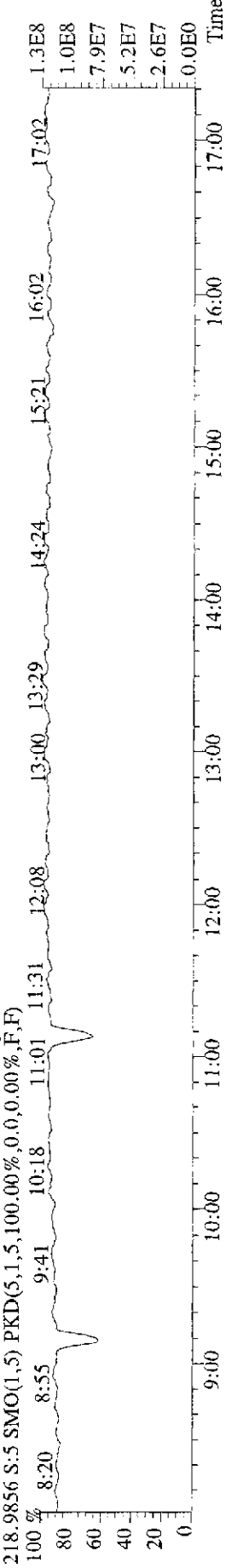
507.7258 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,924.0,0.00%,F,T)



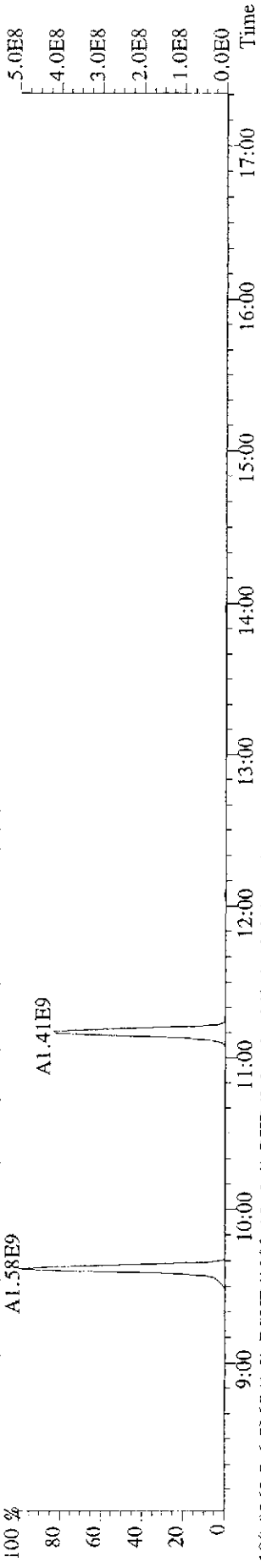
509.7229 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1020.0,0.00%,F,T)



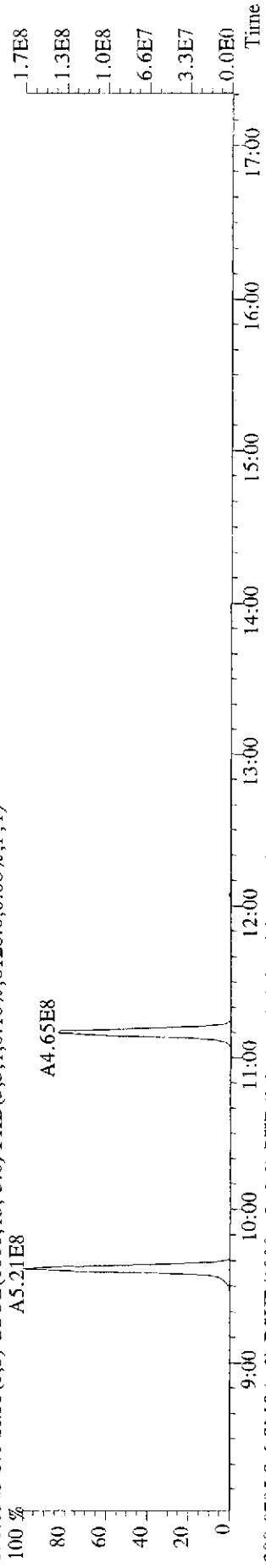
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5



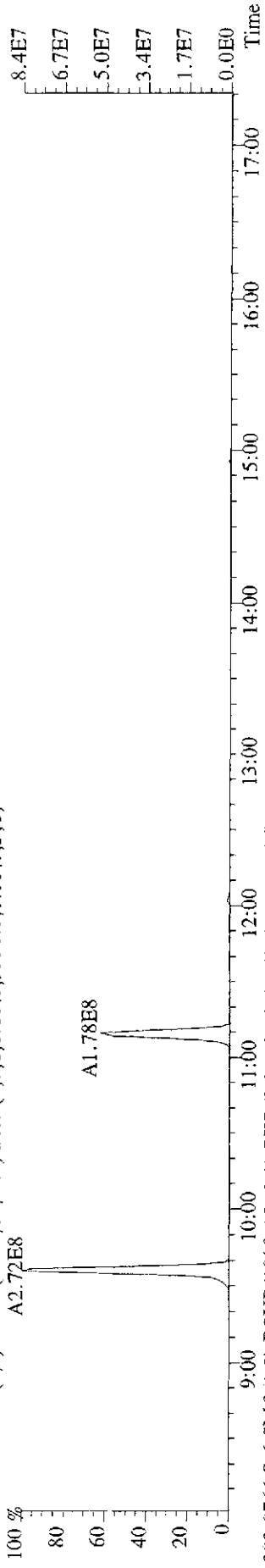
File: 09JUL09E9D5 #1-633 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text: ST0709E :CS5 09DXN209 Exp:209DB5  
 188.0393 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7660.0,0.00%,F,T)  
 A1.58E9



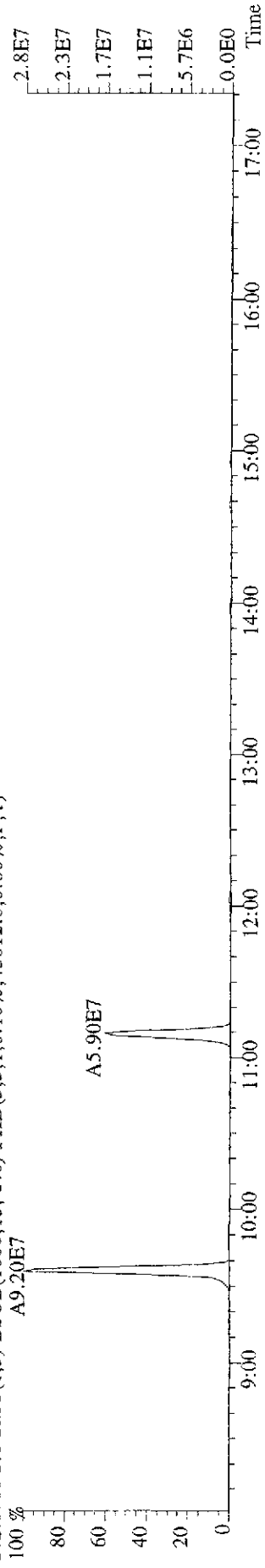
190.0363 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6128.0,0.00%,F,T)  
 A5.21E8



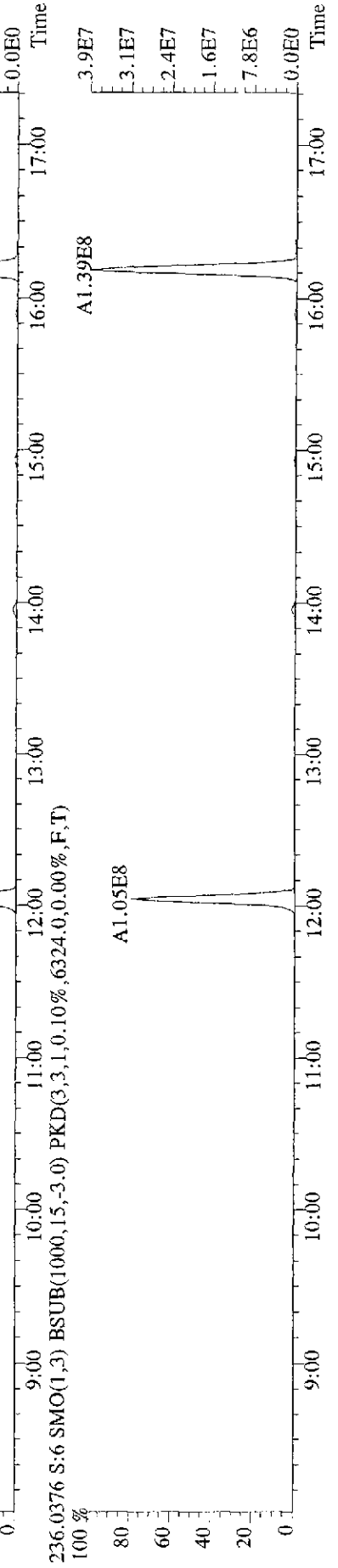
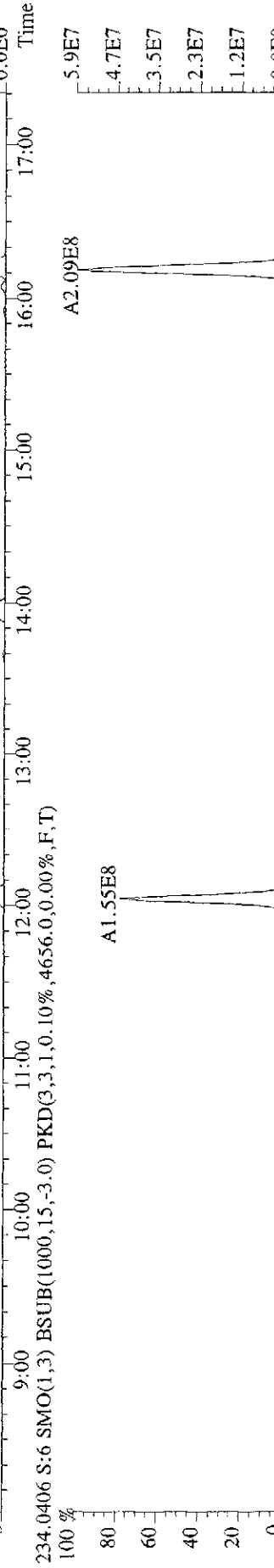
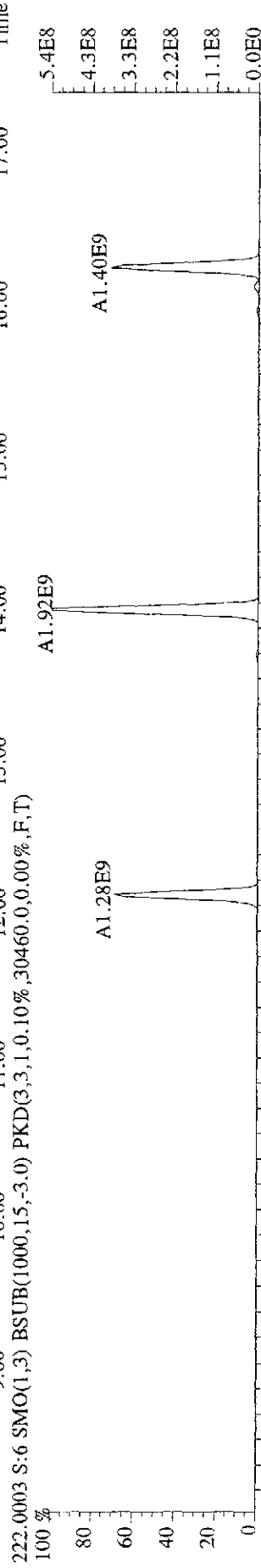
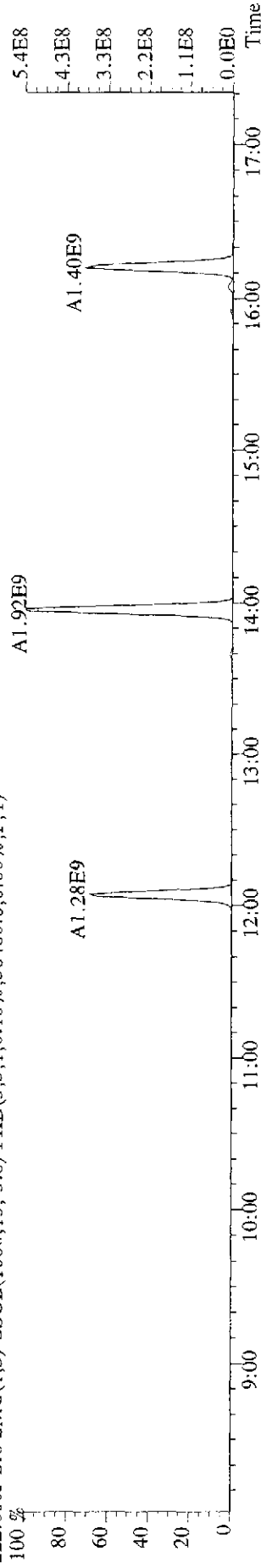
200.0795 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,9936.0,0.00%,F,T)  
 A2.72E8



202.0766 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,45012.0,0.00%,F,T)  
 A9.20E7

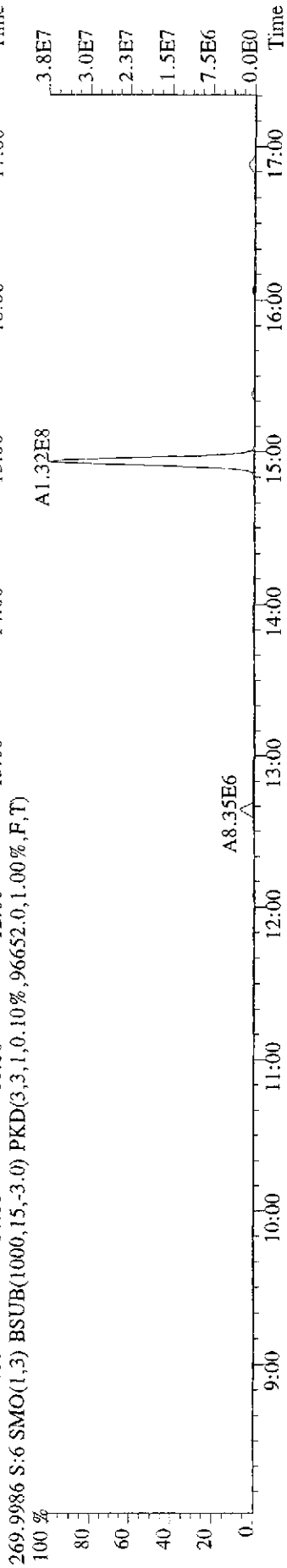
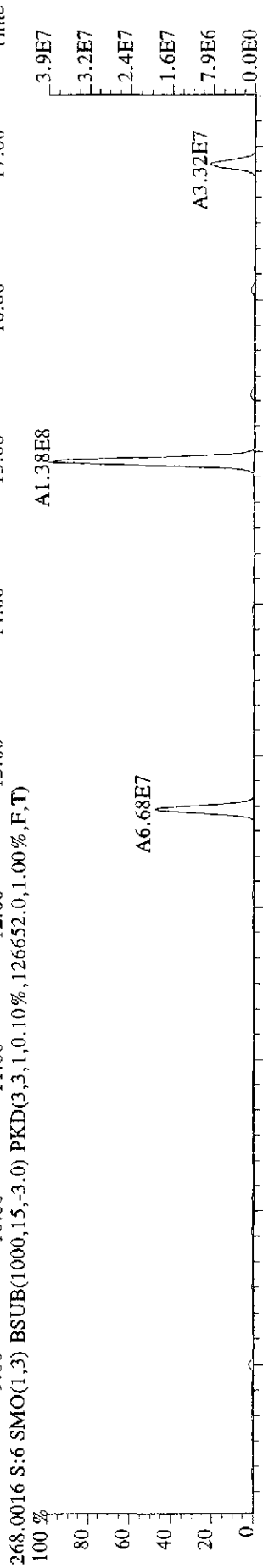
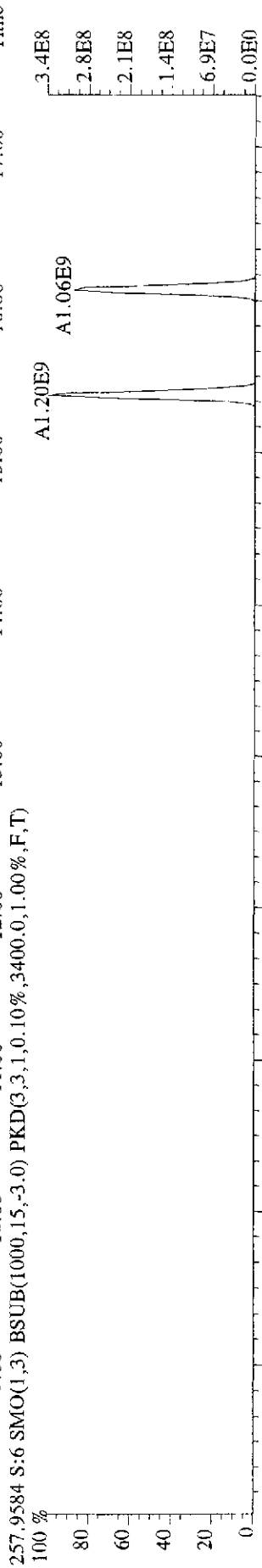
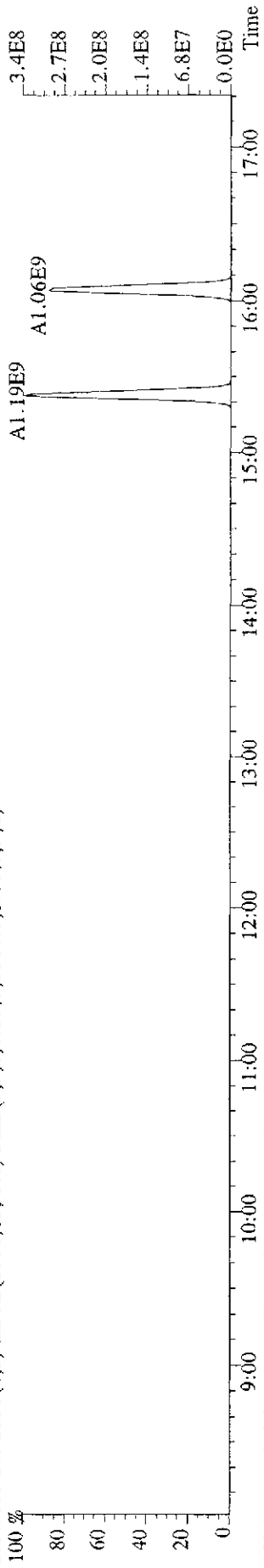


File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
 222.0003 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,30460,0,0.00%,F,T)

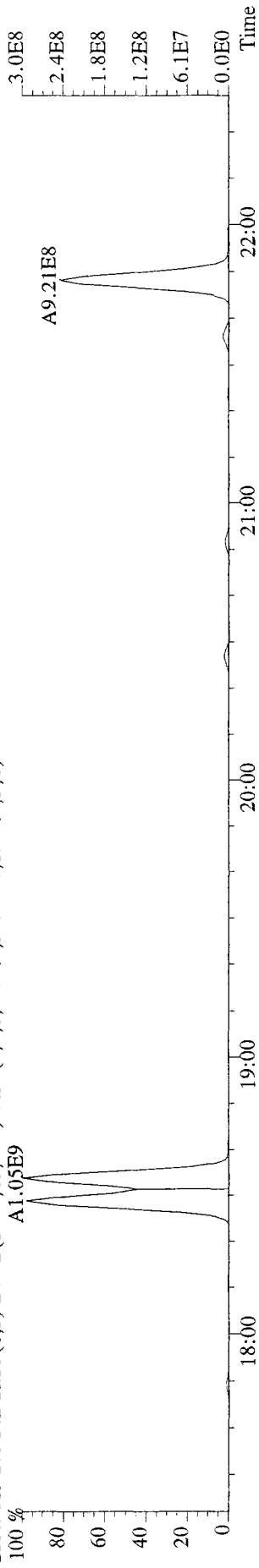




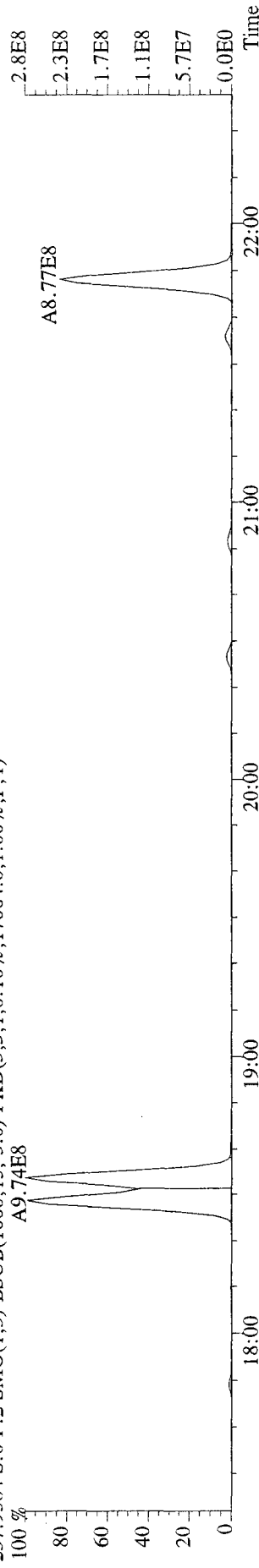
File: 09JL09E9D5 #1-633 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text: ST0709E :CS5 09DXN209 Exp: 209DB5  
 255.9613 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6880.0,1.00%,F,T)



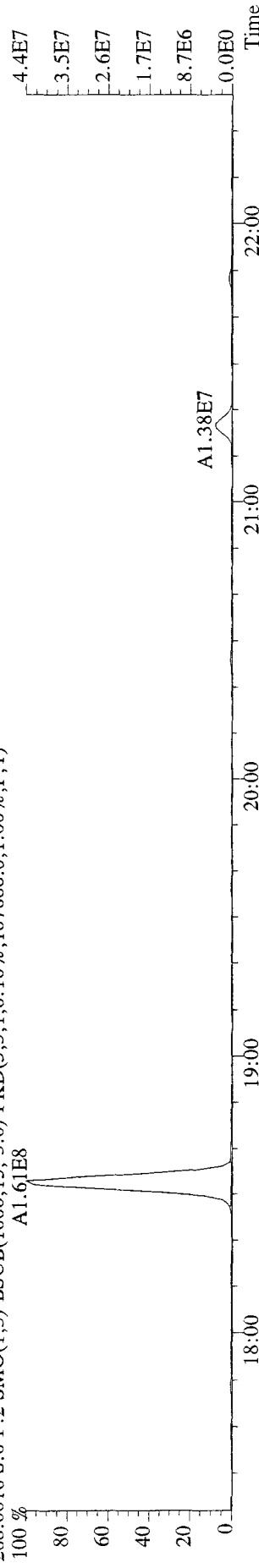
File:09JL09E9D5 #1-372 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
255.9613 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,22324.0,1.00%,F,T)



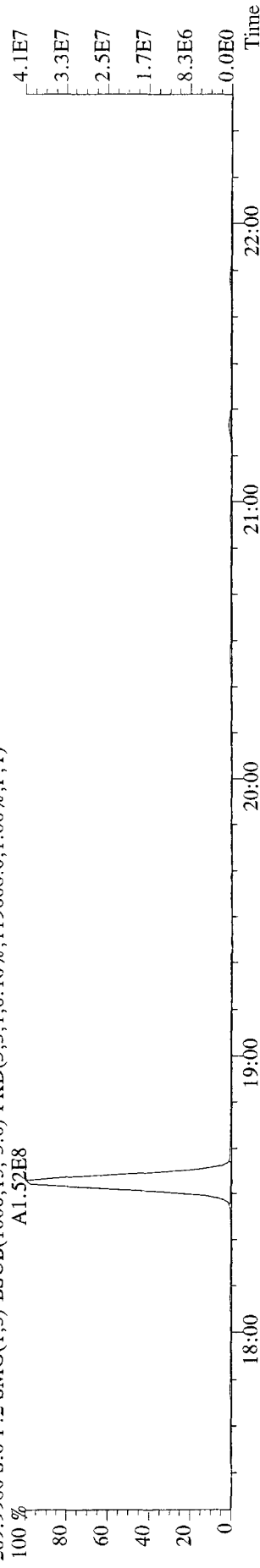
257.9584 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,17064.0,1.00%,F,T)



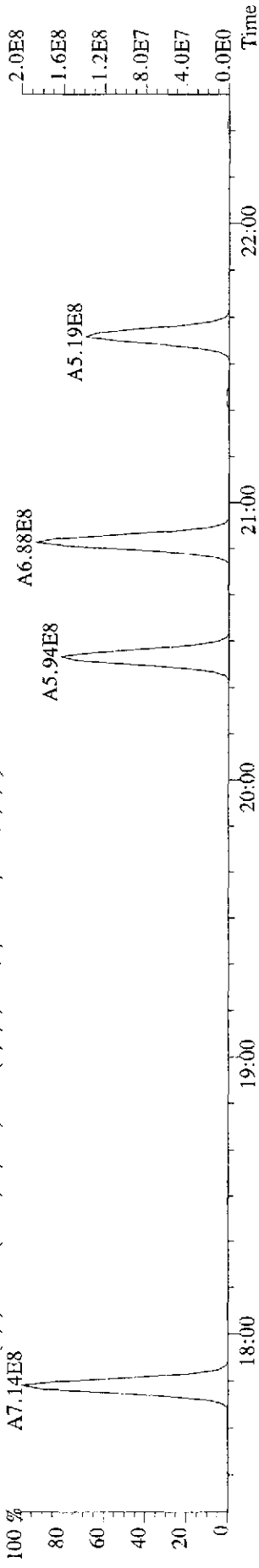
268.0016 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,107688.0,1.00%,F,T)



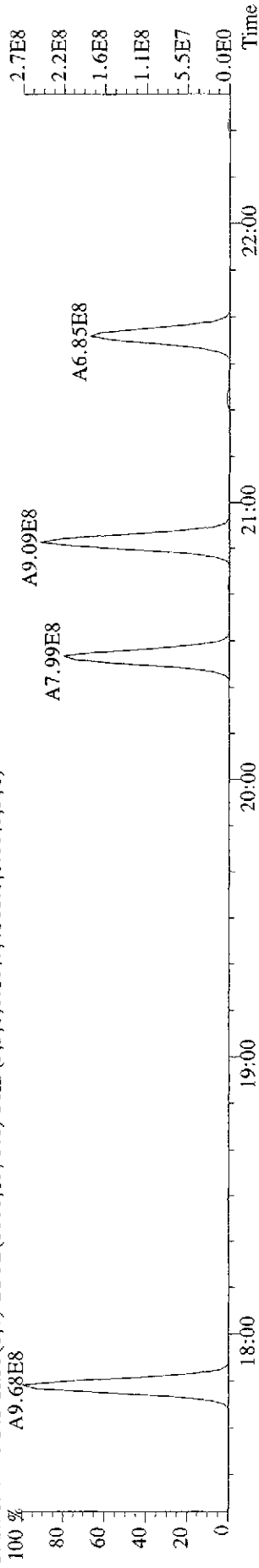
269.9986 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,119608.0,1.00%,F,T)



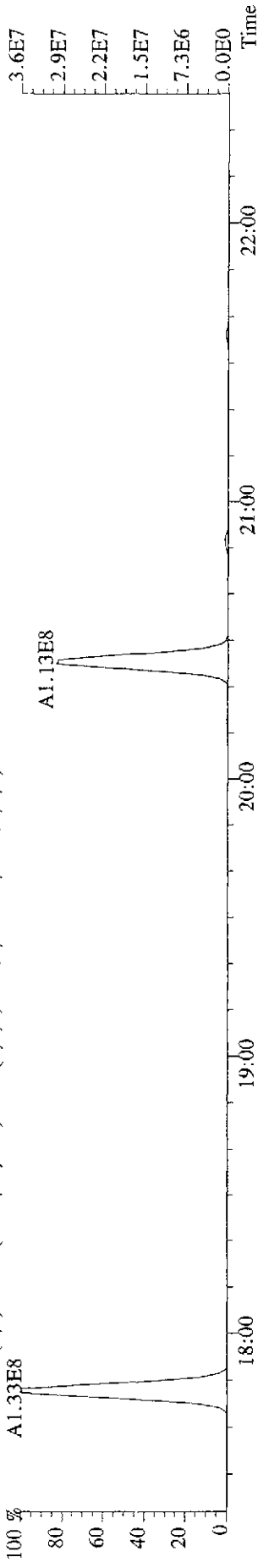
File:09JL09E9D5 #1-372 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
 289:9224 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,6496.0,0.00%,F,T)



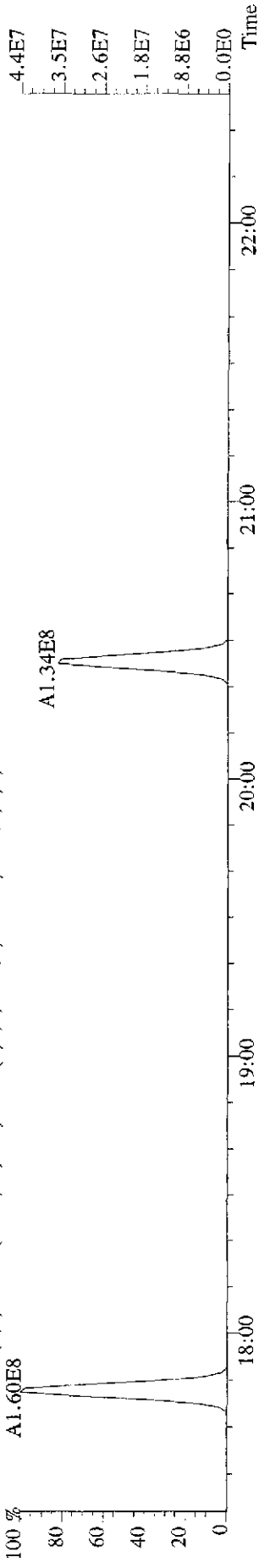
291.9194 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,4168.0,0.00%,F,T)



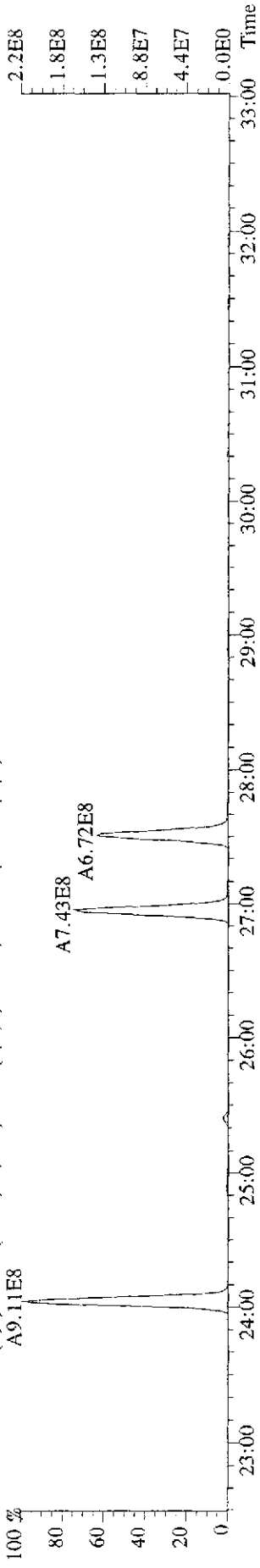
301.9626 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,6608.0,0.00%,F,T)



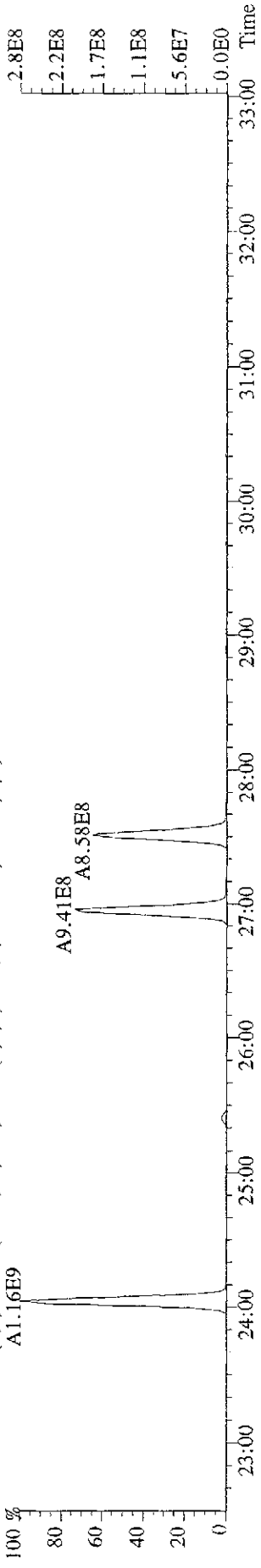
303.9597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,3404.0,0.00%,F,T)



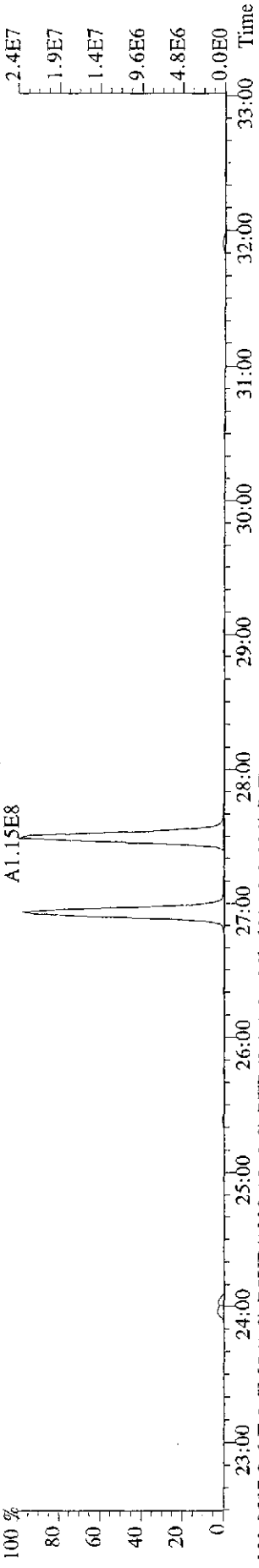
File:09IL09E9D5 #1-593 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
 289.9224 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,11736.0,0.00%,F,T)  
 100 % A9.11E8



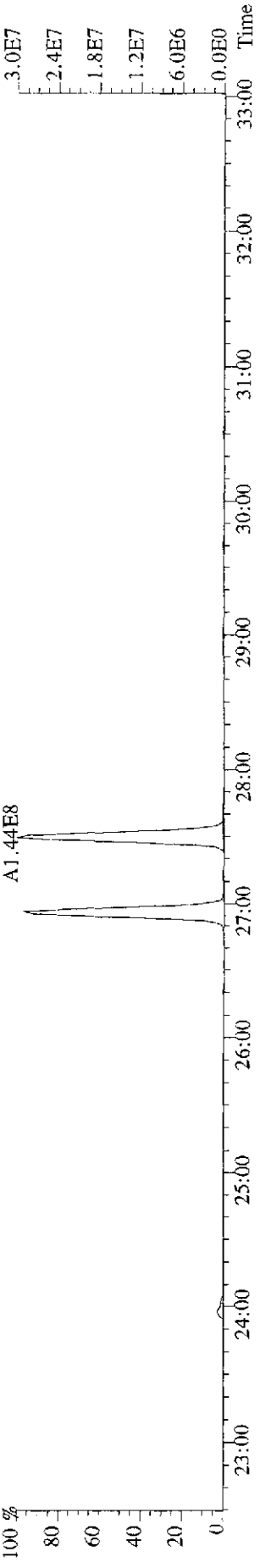
291.9194 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,17264.0,0.00%,F,T)  
 100 % A1.16E9



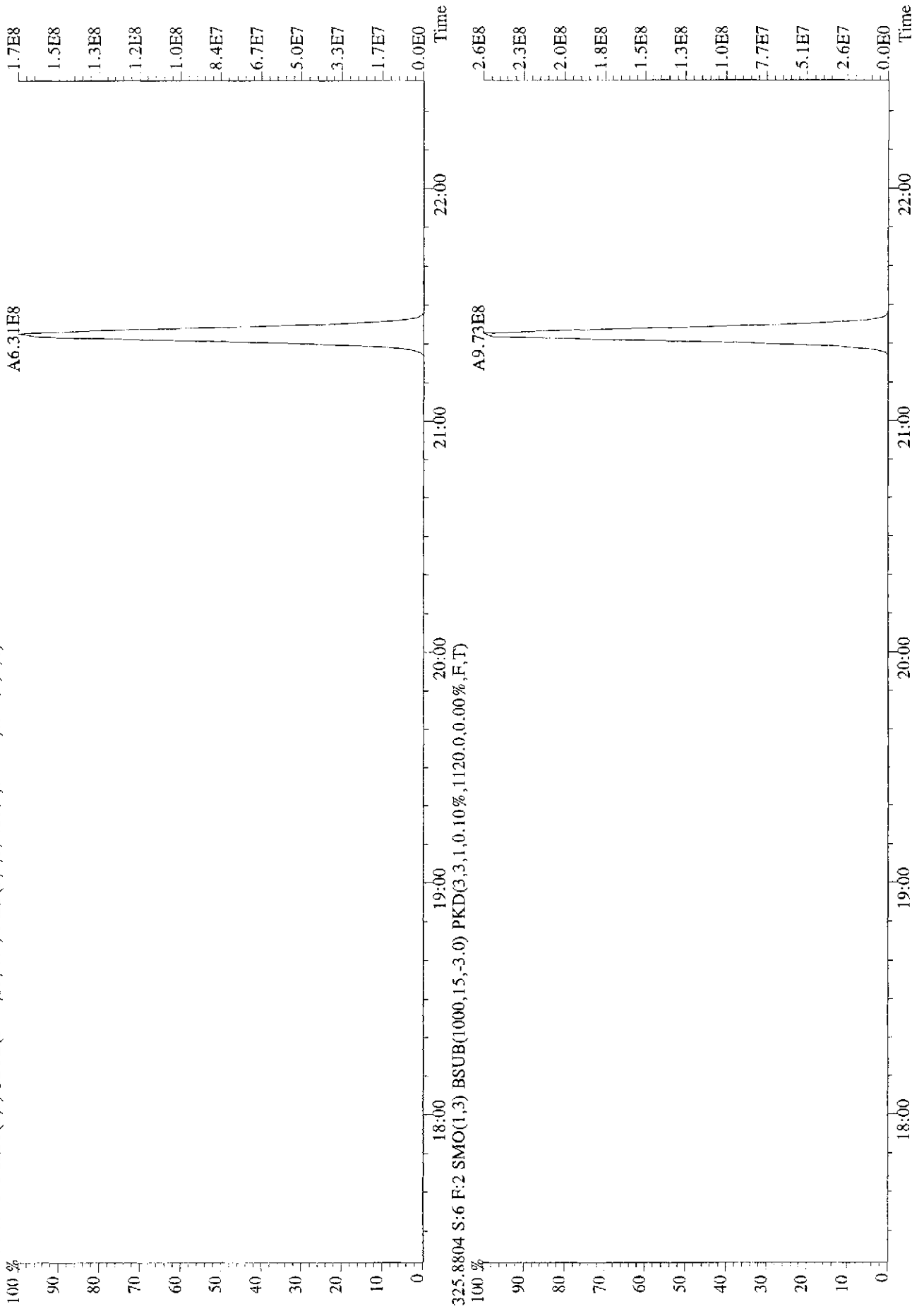
301.9626 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,11240.0,0.00%,F,T)  
 100 % A1.15E8



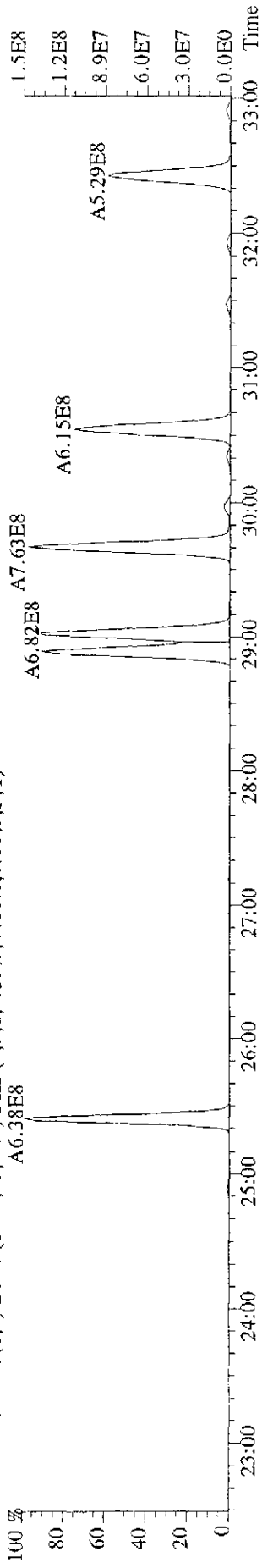
303.9597 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6544.0,0.00%,F,T)  
 100 % A1.44E8



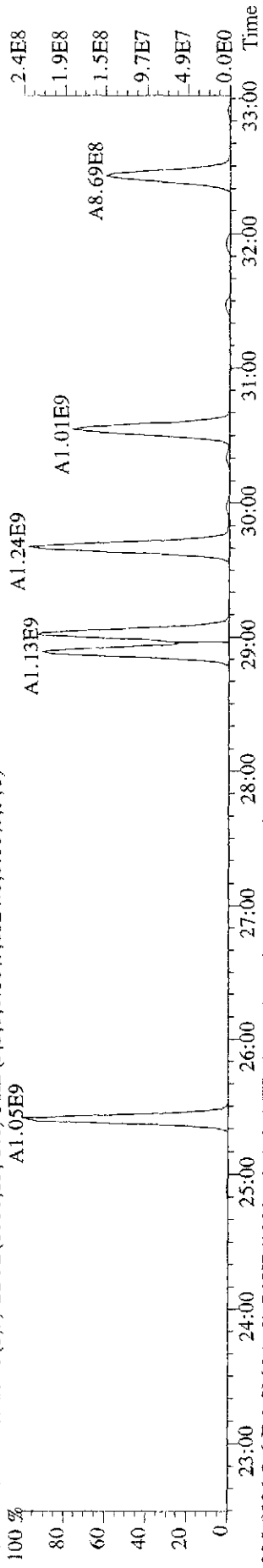
File:09JL09E9D5 #1-372 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
323.8834 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1960.0,0.00%,F,T)



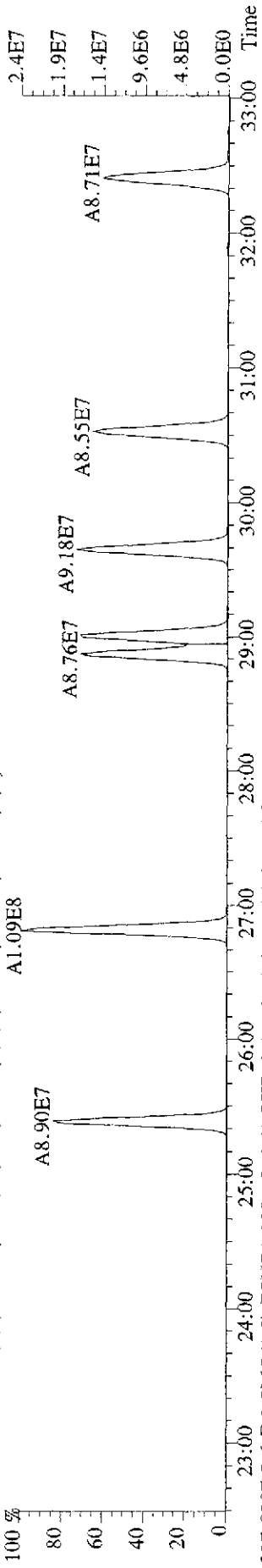
File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
 323.8834 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4488,0,0,00%,F,T)  
 A6.38E8



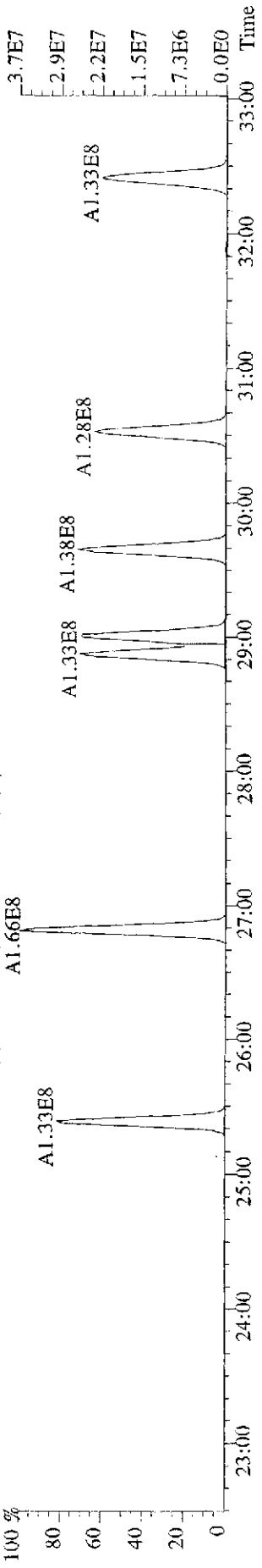
325.8804 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6324,0,0,00%,F,T)  
 A1.05E9



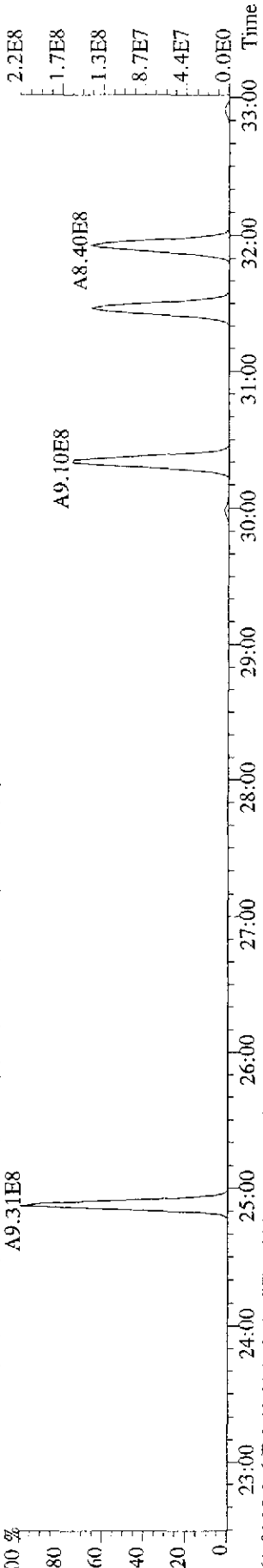
335.9236 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5288,0,0,00%,F,T)  
 A1.09E8



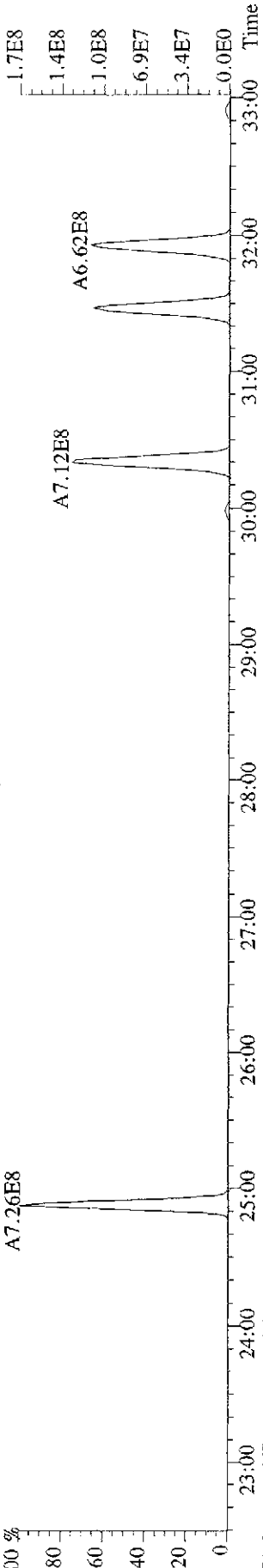
337.9207 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3756,0,0,00%,F,T)  
 A1.66E8



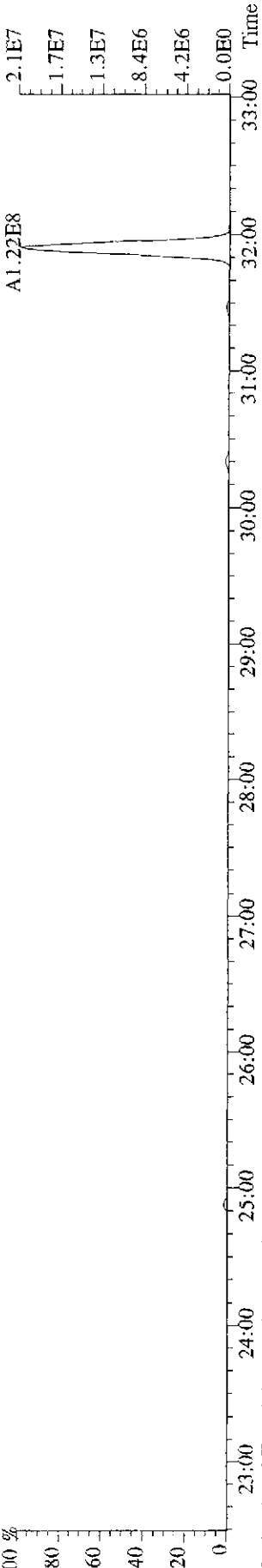
File:09JUL09E9D5 #1-593 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
 359.8415 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,3632.0,0.00%,F,T)  
 100 % A9.31E8



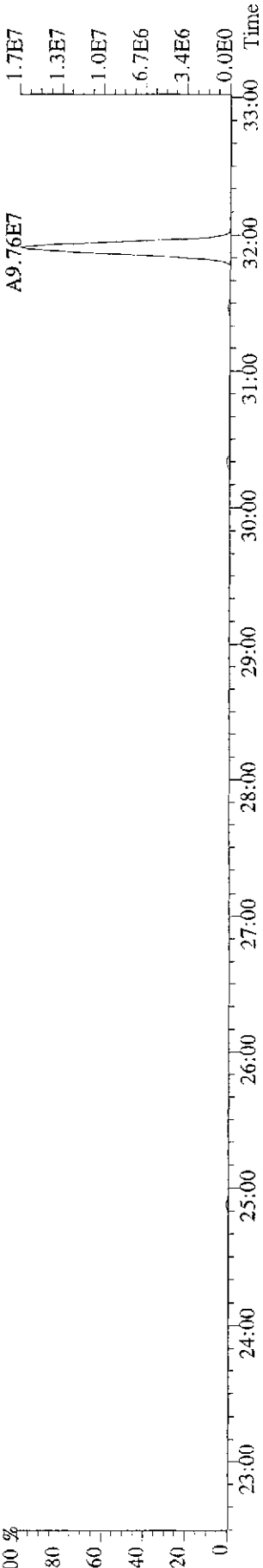
361.8385 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,2772.0,0.00%,F,T)  
 100 % A7.26E8



371.8817 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,24.0,0.00%,F,T)  
 100 % A1.22E8



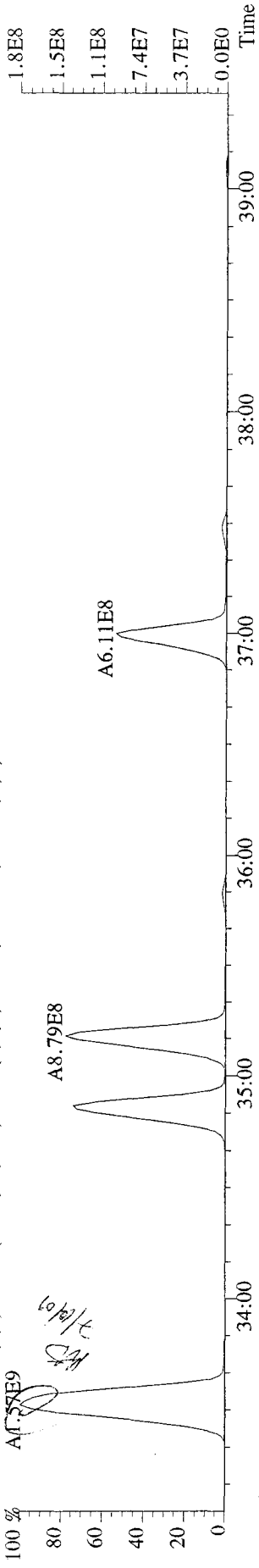
373.8788 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,900.0,0.00%,F,T)  
 100 % A9.76E7



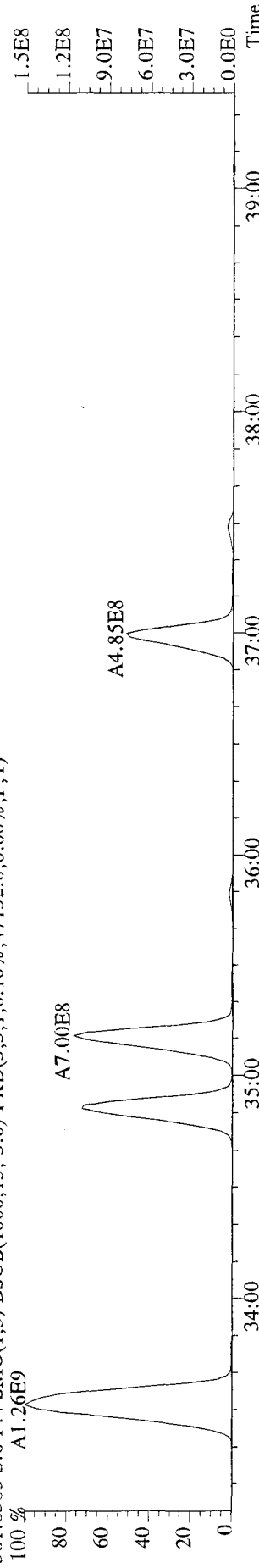
File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE

Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5

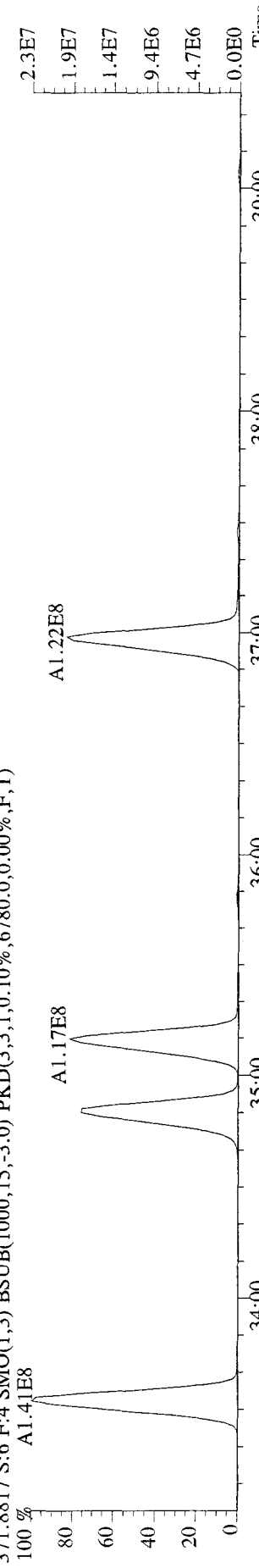
359.8415 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,54508.0,0.00%,F,T)



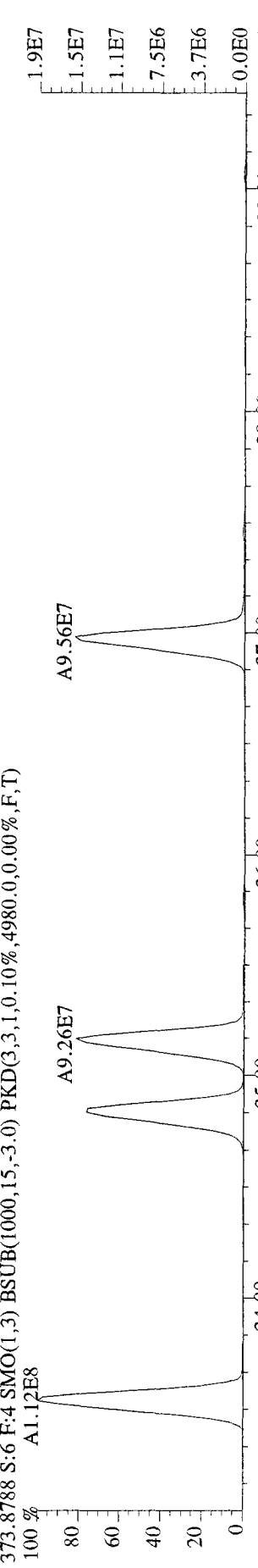
361.8385 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,47132.0,0.00%,F,T)



371.8817 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6780.0,0.00%,F,T)



373.8788 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4980.0,0.00%,F,T)



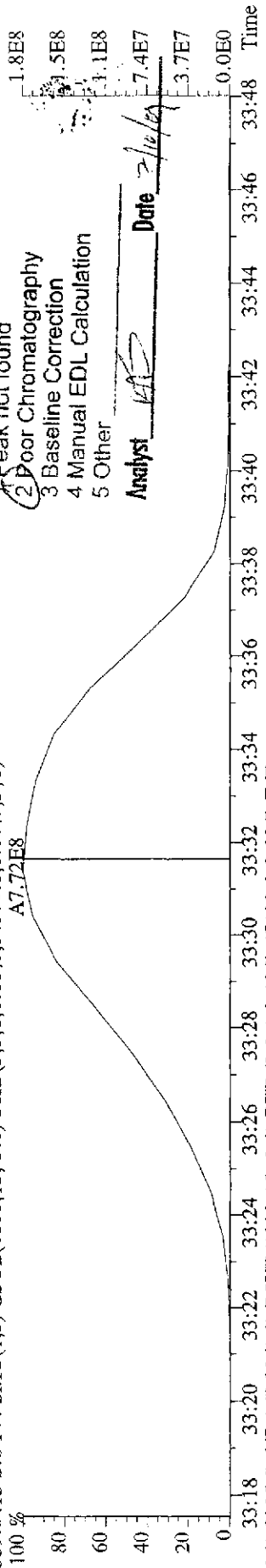


File: 09JL09E9D5 #1-390 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text: ST0709E :CS5 09DXN209 Exp: 209DB5  
 359.8415 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,54508.0,0.00%,F,T)  
 A7.72E8

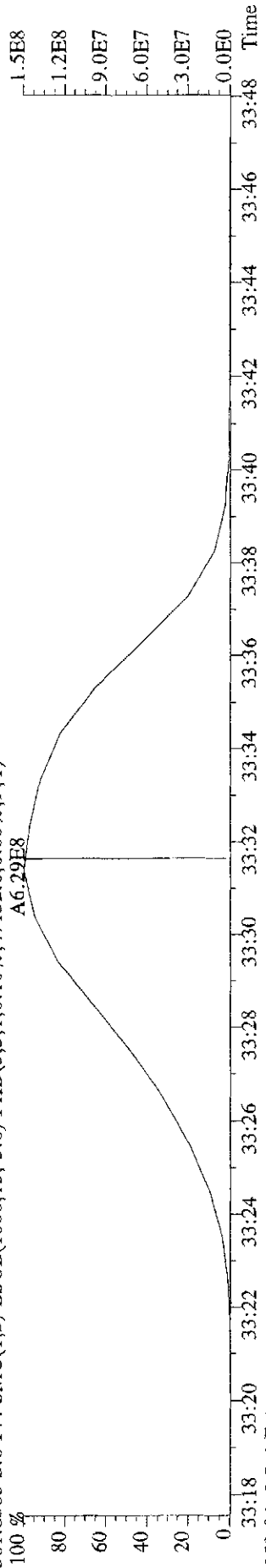
**MANUAL EDIT CODES**

- 1 Peak not found
- 2  Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

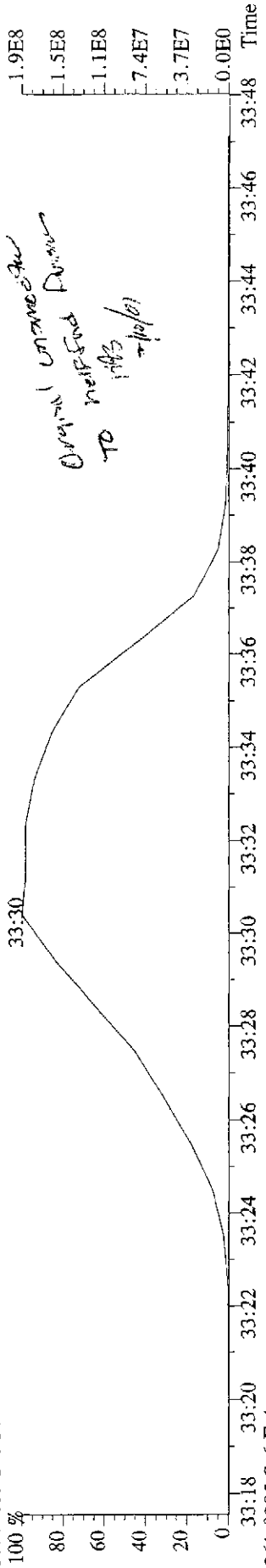
Analyst AS Date 7/16/09



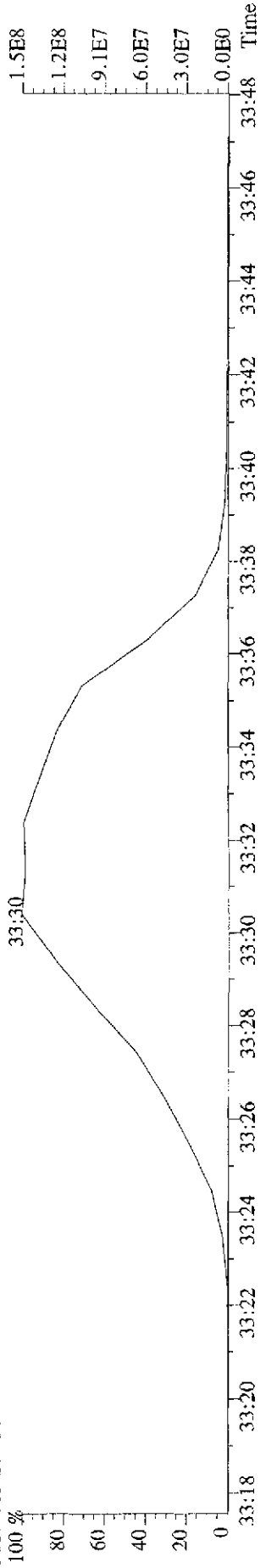
361.8385 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,47132.0,0.00%,F,T)  
 A6.29E8



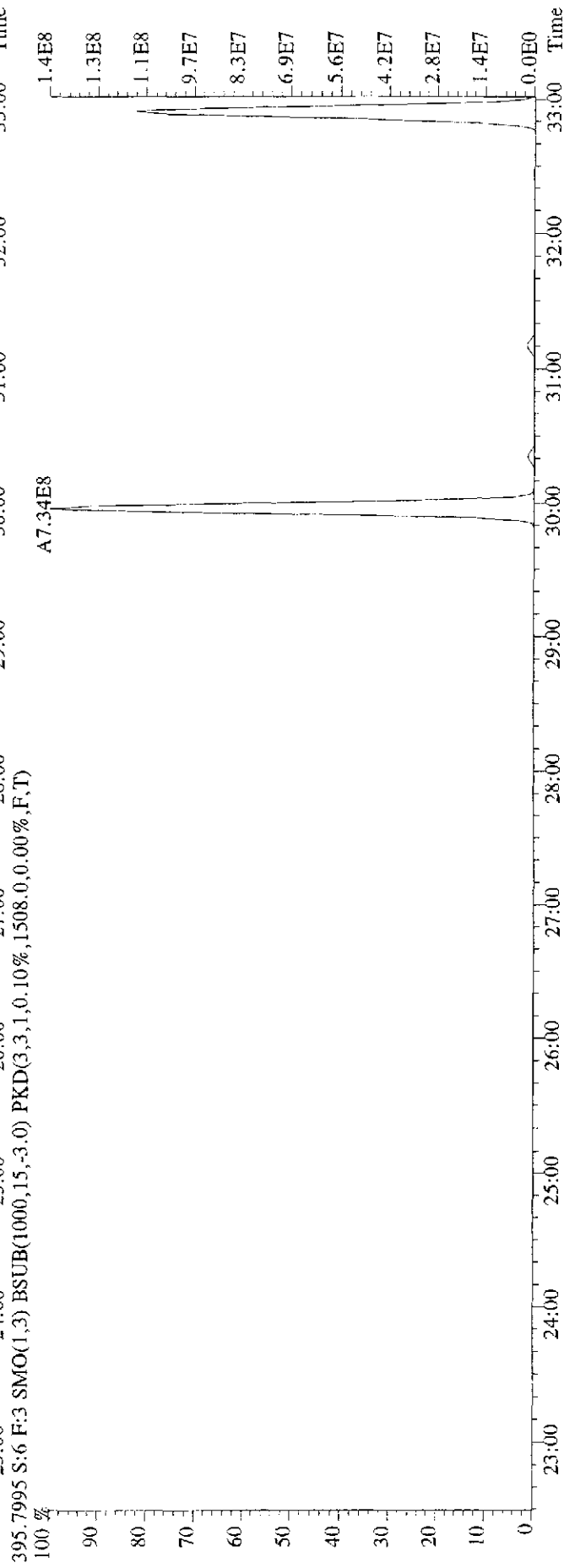
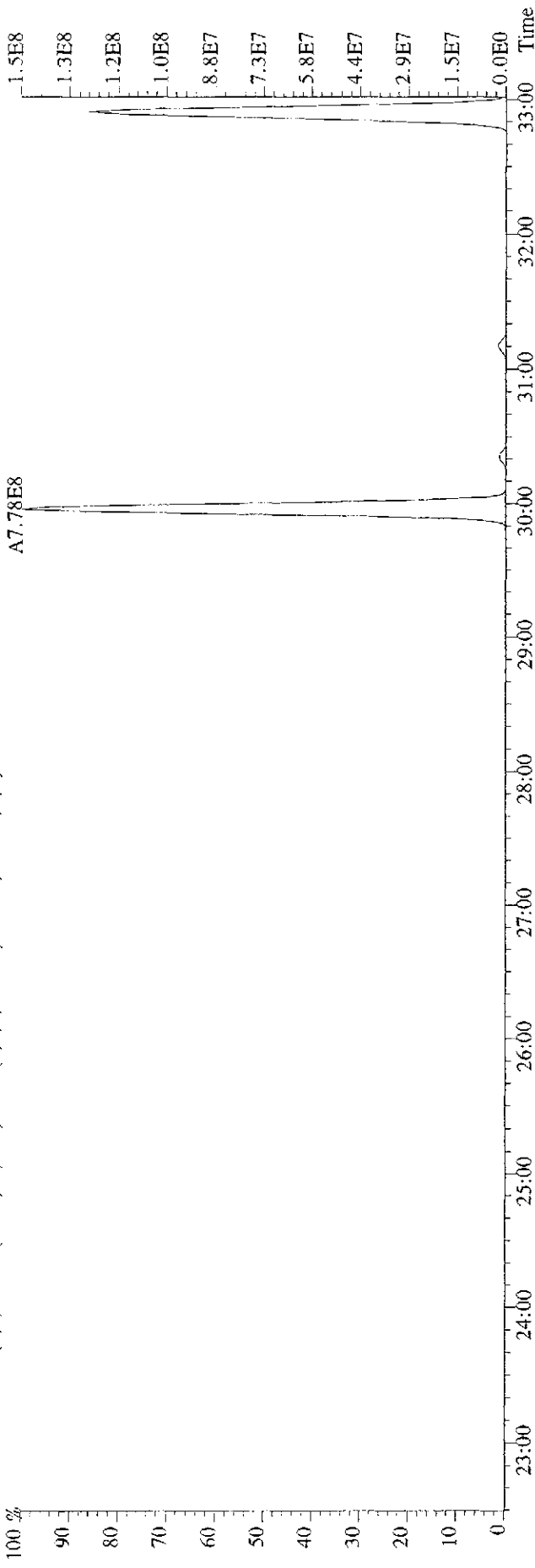
359.8415 S:6 F:4



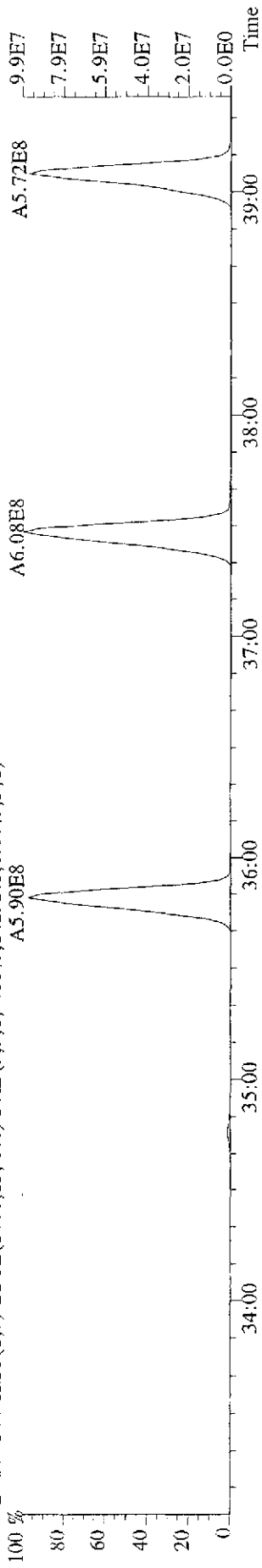
361.8385 S:6 F:4



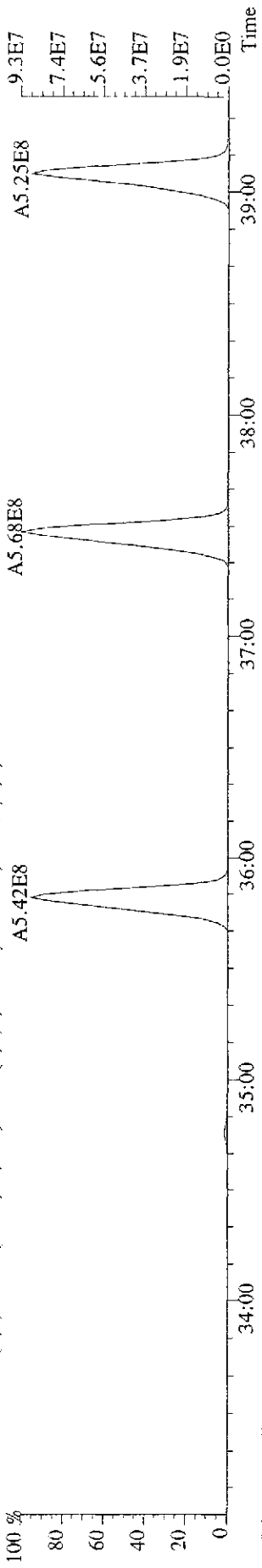
File:09JUL09E9D5 #1-593 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
 393.8025 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,5696,0,0.00%,F,T)



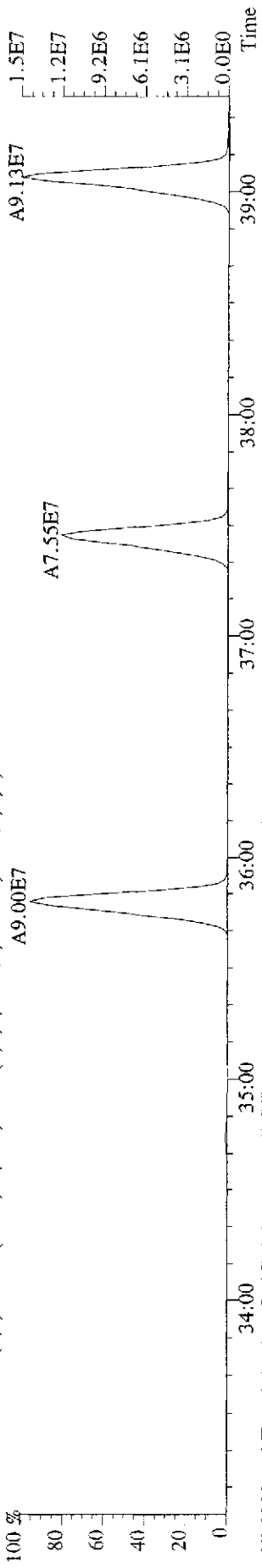
File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
 393.8025 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,14292.0,0.00%,F,T)  
 100 %



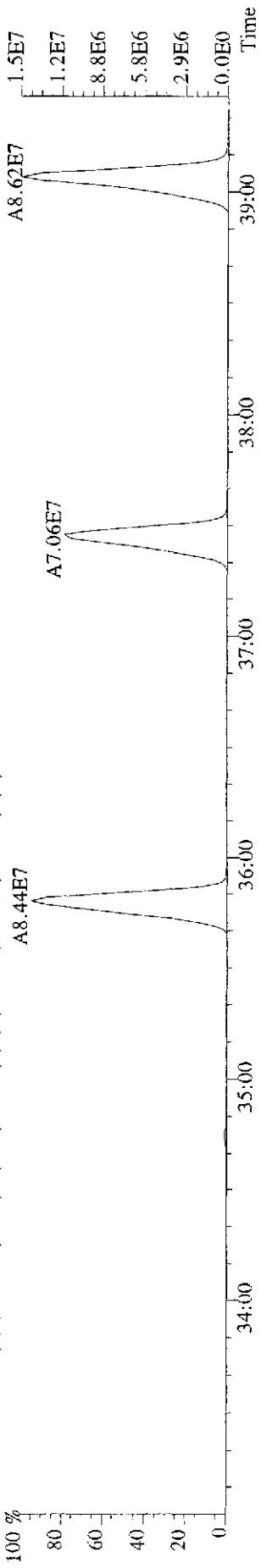
395.7995 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,11108.0,0.00%,F,T)  
 100 %



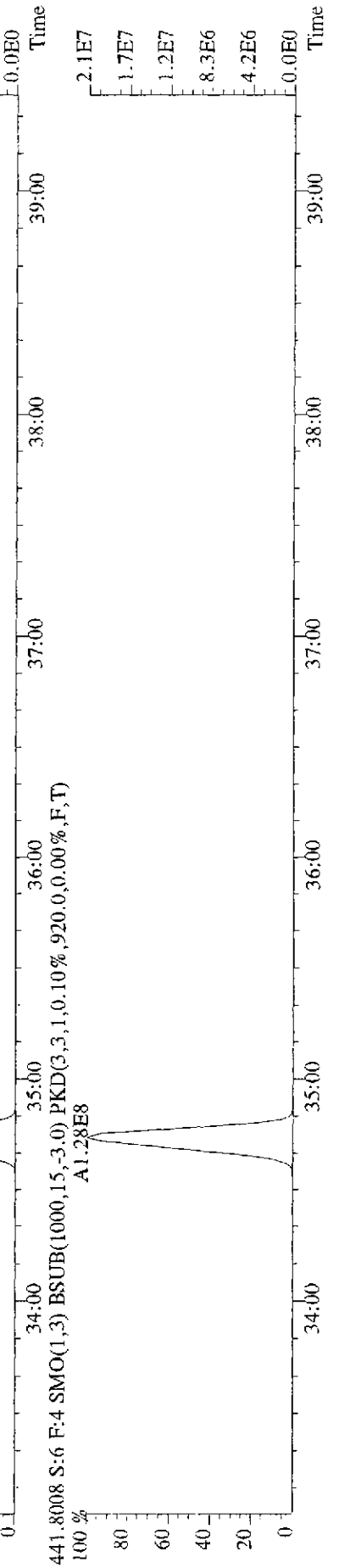
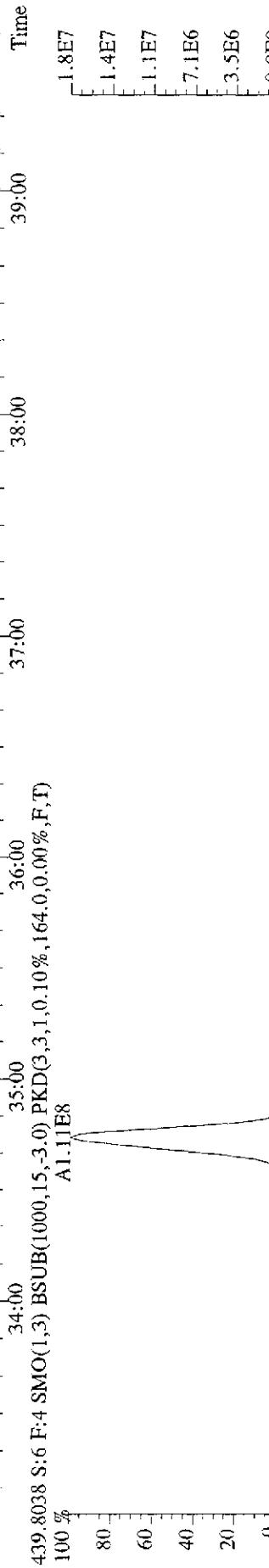
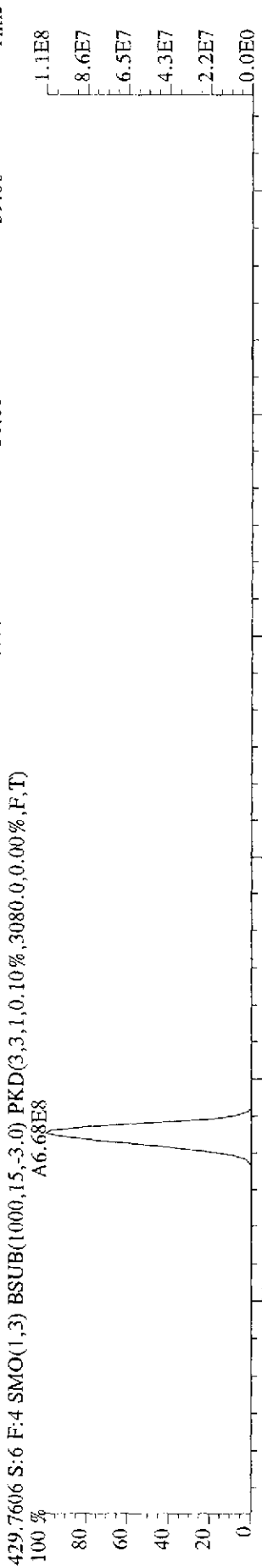
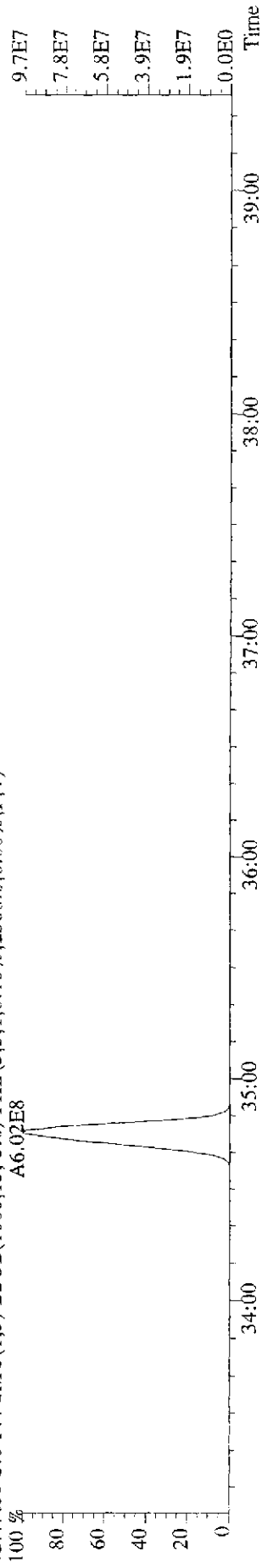
405.8428 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3632.0,0.00%,F,T)  
 100 %



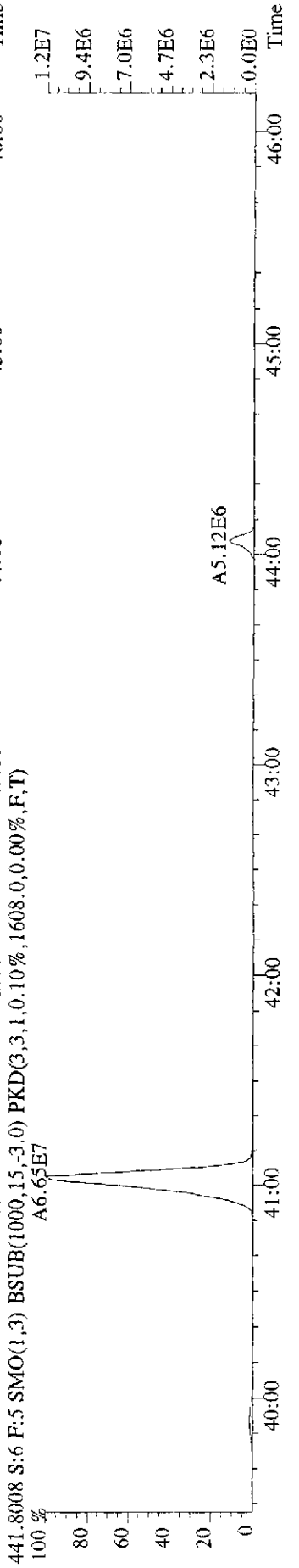
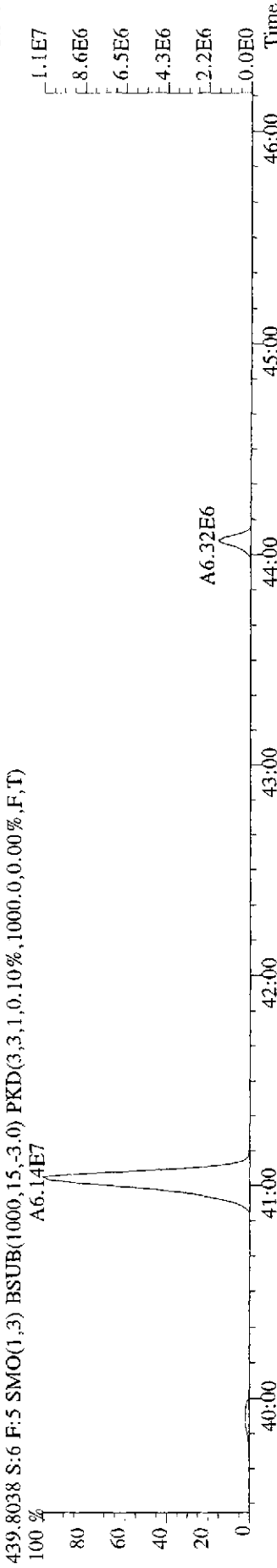
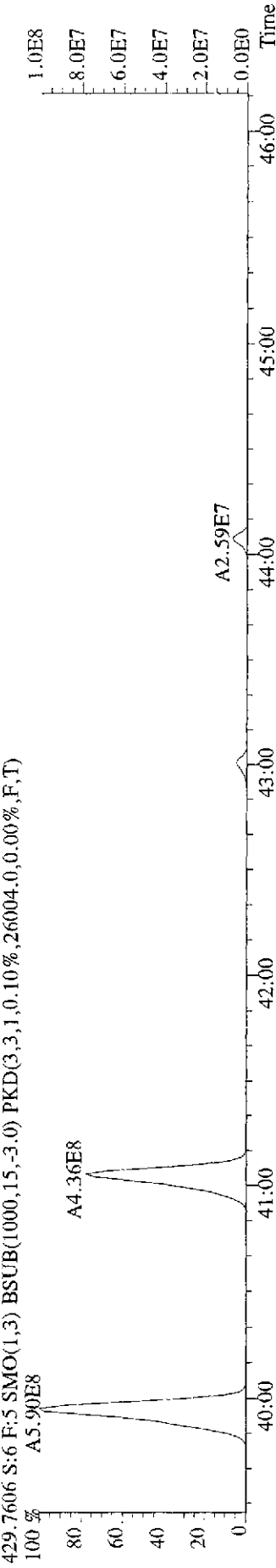
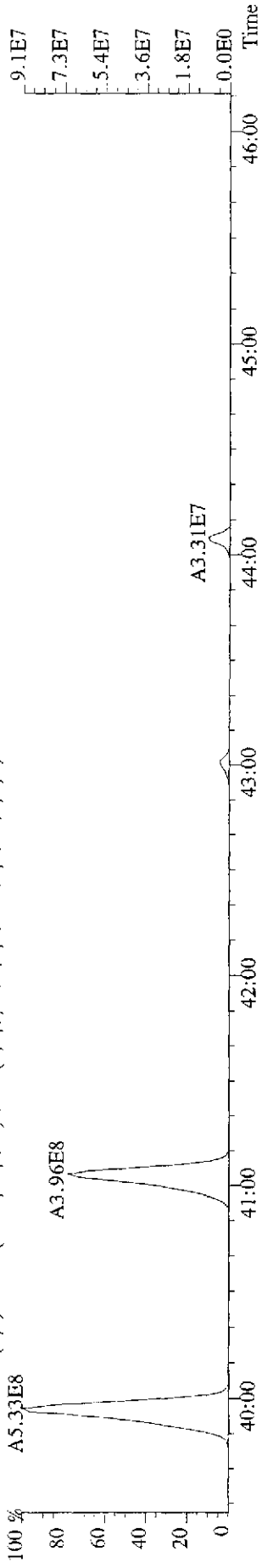
407.8398 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3020.0,0.00%,F,T)  
 100 %



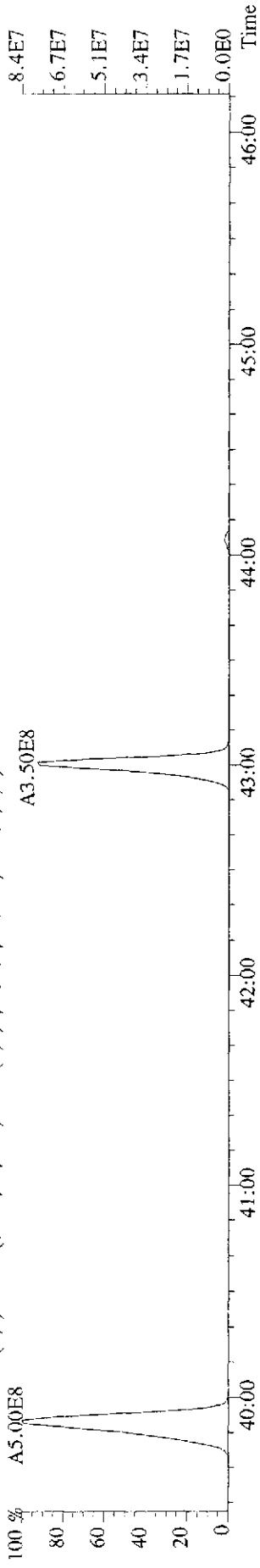
File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E ;CS5 09DXN209 Exp:209DB5  
 427.7635 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2308.0,0.00%,F,T)



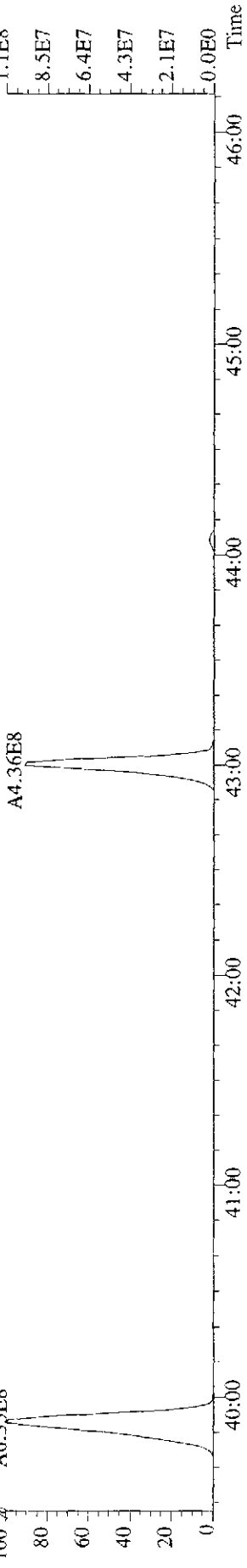
File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
 427.7635 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,22148.0,0.00%,F,T)



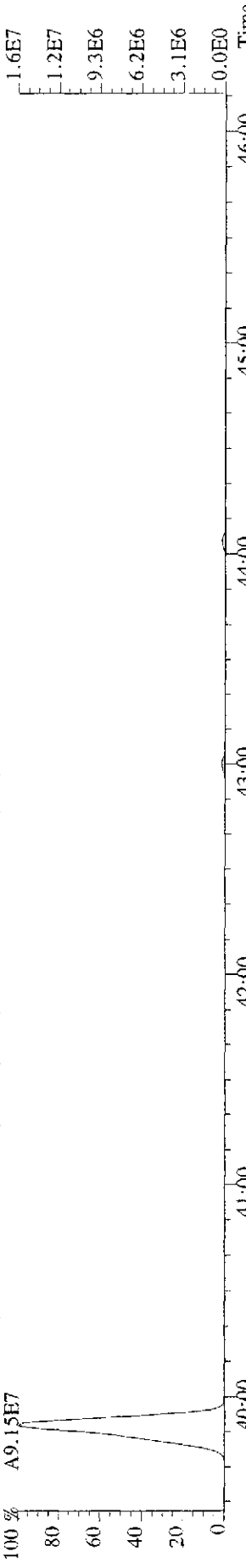
File:09JUL09E9D5 #1-447 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
 461.7245 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4516.0,0.00%,F,T)



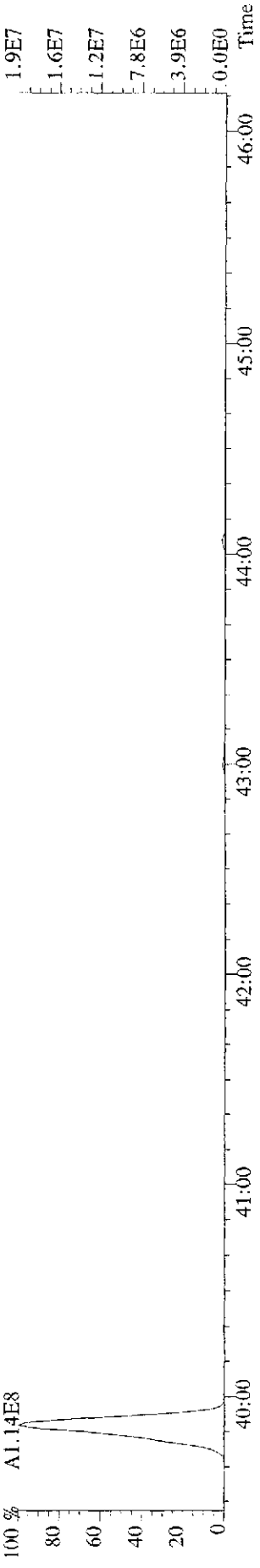
463.7216 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,5836.0,0.00%,F,T)



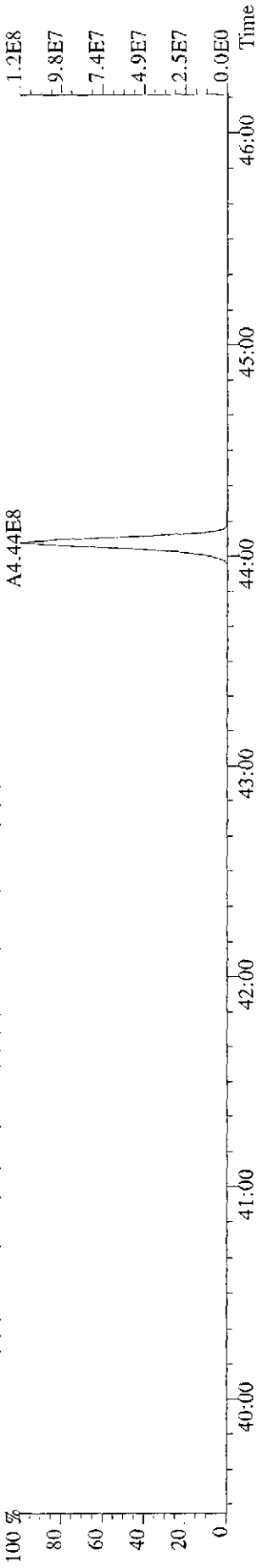
473.7648 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1652.0,0.00%,F,T)



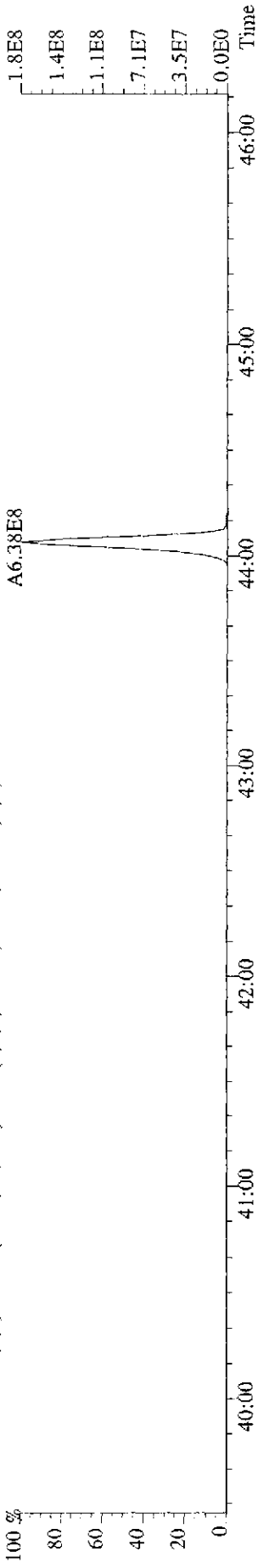
475.7619 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1240.0,0.00%,F,T)



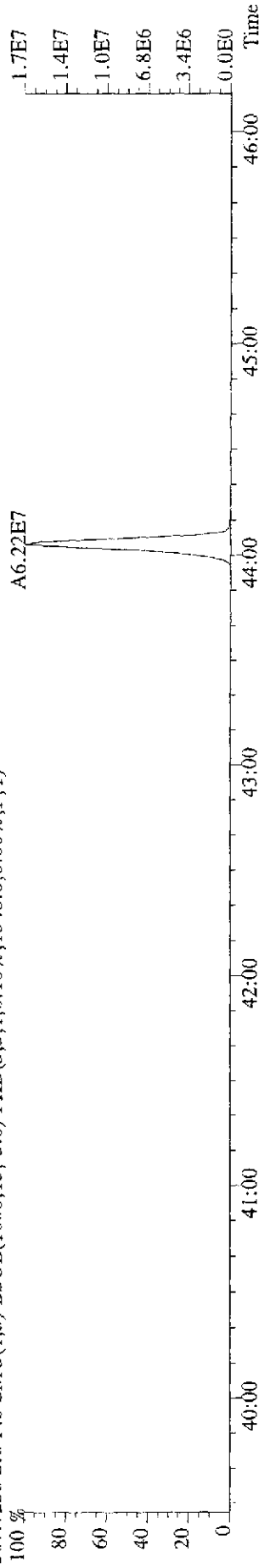
File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E ;CS5 09DXN209 Exp:209DB5  
 495.6856 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,948,0.00%,F,T)



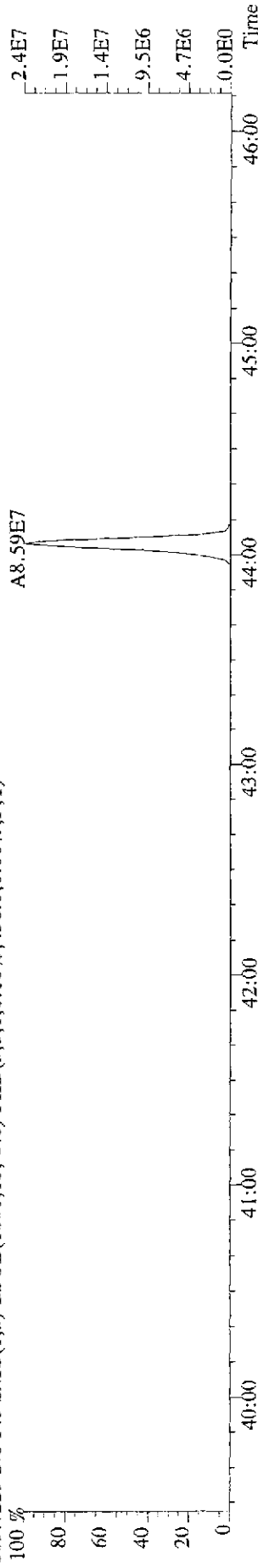
497.6826 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,176,0.00%,F,T)



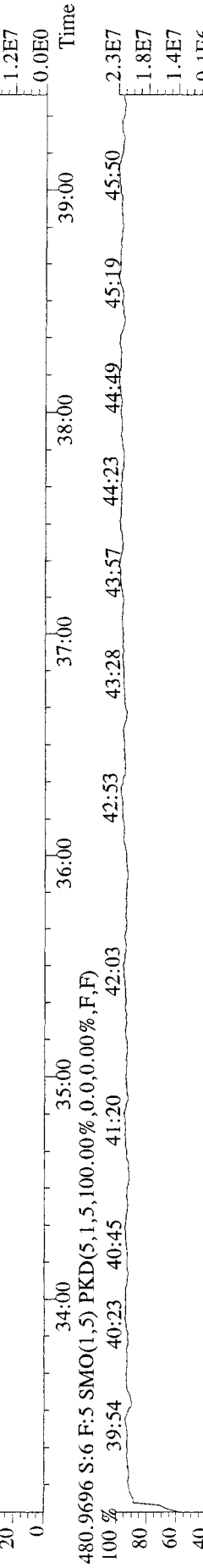
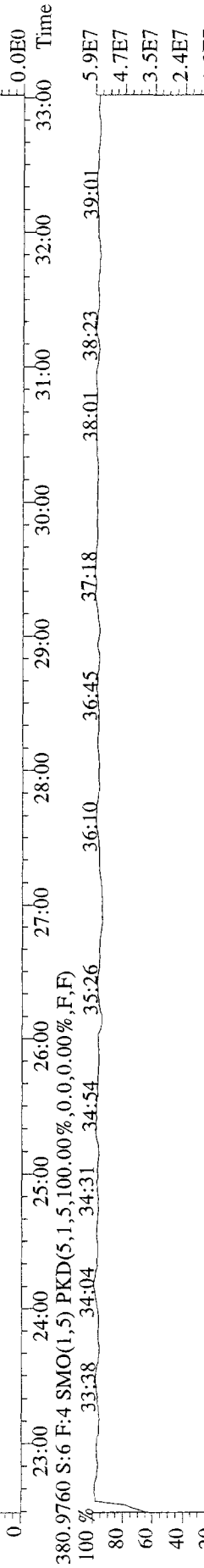
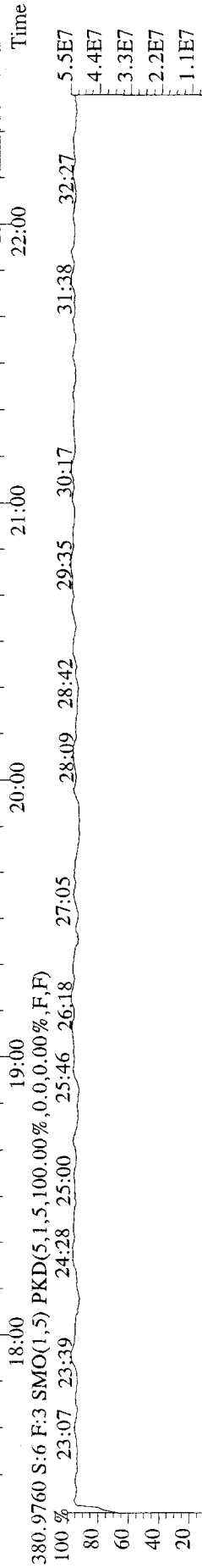
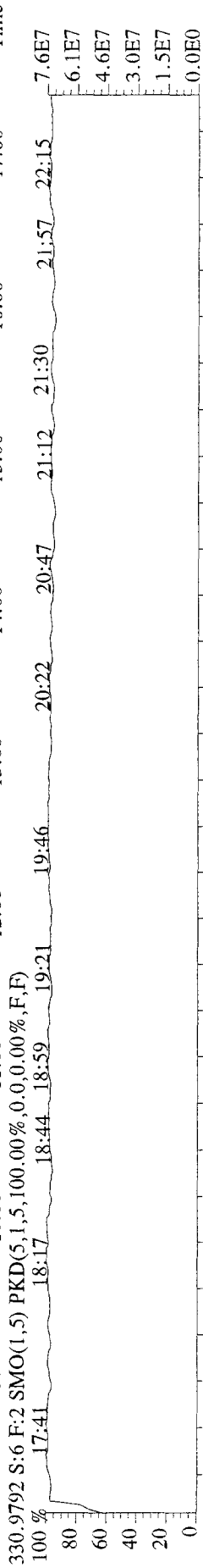
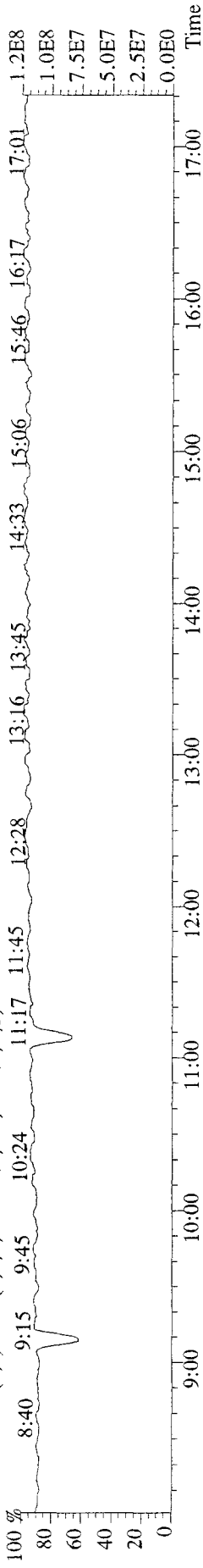
507.7258 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,1548,0.00%,F,T)



509.7229 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,456,0.00%,F,T)



File: 09JL09E9D5 #1-633 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text: ST0709E :CS5 09DXN209 Exp: 209DB5  
 218.9856 S:6 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)





**Sample Extraction/Preparation Log**  
**Copies and Checklists**

Data Checklist  
HRGCMS/LRGCMS Analyses

Lot ID #: S 9F300243 Method ID: 1668  
Sample #: 1-5

Data Analyst: Sh DB-5 DB-225  
Date initiated: 7/25/09  
Reviewer: R. Sub  
Date reviewed: 9/28/09

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Method Blank present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-LCS/DCS copy present and meets native recovery criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard recoveries within limits?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Ion ratios within + 15% of theoretical values?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Other QC (Dup,MS,SD) within specs?*	<u>NA</u>	<u>NA</u>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All raw data present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Standard target DL's used? If RL's are used specify: <u>1000 pg</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-DL's below TDL / LCL (please circle)?	<u>0</u>	<u>0</u>	<input type="checkbox"/>	<input type="checkbox"/>
-All positives reported at levels greater than method blank DL's?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Correct RRF's used for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard amounts correct for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Target analytes are not saturated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Dilution/splitting of extract taken into account?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Have dilution calculations been verified?	<u>NA</u>	<input checked="" type="checkbox"/> <u>NA 9/28/09</u>	<input type="checkbox"/>	<input type="checkbox"/>
-Has a manual calculation for the sequence(s) been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Are retention times (RT) correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Manual integrations checked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments: (Use other side if necessary) ① 94701

* Recovery limits:	**RPD limits:
NCASI 551: 40-120%***	50%
Method 8290: 40-135%***	20%
Method 1613: 25-150%***	50%
Method 23: 40-130%*** (C14-C16), 25-130% (C17-8), 70-130% (SUT.)	50%
PCBs: 25-150%***	50%
Method 8280: 40-120%***	
DFLM01.0: 25-150%***	
Method 1614: 25-150%***	

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are < LCL for target analytes.

TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: WM Lot Number: G9F300243 Date: 7/01/09  
 Test: 1668 PCB Batch Number: 9183233 SOP Reference Number: SAC-ID-0013  
 Extraction: 1. Soxhlet On: 15:00 Off: 7:00 2. Soxhlet On: NA Off: NA

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or µL) (circle one)	Final Conc'n
- MB	<u>pufl/KAD</u>	<u>07/01/09</u>	<u>07/01/09</u>		<u>20 µl</u>	
- LCS					<u>1</u>	
G9F300243-1					<u>7-21-09</u>	
G9F300243-2				<u>1</u>		<u>1</u>
G9F300243-3				<u>7-21-09</u>		<u>7-21-09</u>
G9F300243-4						
G9F300243-5						

cor 7/1/09  
**All Samples/ Internal Standard (IS) addition:** Standard Name: 1668 daily IS EXP: 7/15/09  
 Spike ID Number: 08000383 Volume: 200 µl Conc: 20 PS/µl  
 Spiked By: CP Witnessed By: TR Date: 7/1/09  
**LCS/LCSD:** Standard Name: 1668 PCB native Spike  
 Spike ID Number: STD0145-08 Volume: 200 µl Conc: 20 PS/µl  
 Spiked By: CP Witnessed By: TR Date: 7/1/09  
**Pre-spike samples:** MB only Standard Name: 1668 PCB pre-spike Sur  
 Spike ID Number: STD0217-08 Volume: 40 µl Conc: 100 PS/µl  
 Spiked By: CP Witnessed By: TR Date: 7/1/09  
**All Samples /Recovery Standard:** Standard Name: Daily RS  
 Spike ID Number: MDX014-094 Volume: 20 µl Conc: 100 µg/ml  
 Spiked By: J Witnessed By: SP Date: 7-21-09

Split/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
<u>T.L 07/21/09</u>	<u>—</u>	<u>—</u>	<u>T.L 07/21/09</u>	<u>—</u>

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
DCM	JT Baker	<u>NA</u>	20% DCM:Hexane	NA	<u>NA</u>
<u>Toluene</u>	JT Baker	<u>H02NS3</u>	65% DCM:Hexane	NA	<u>NA</u>
Hexane	JT Baker	<u>651E20</u>	Silica Gel	<u>Whatman</u>	<u>22-22</u>
H2SO4	JT Baker	<u>NA</u>	Acid Alumina	<u>NA</u>	<u>NA</u>

Comments: \_\_\_\_\_

Expanded Deliverable  
COC Completed  
Bench Sheet Copied  
Package Submitted to Analytical Group  
Bench Sheet Copied per COC

\*\*\*\*\*  
\* QC BATCH: 9183233 \*  
\* PREP DATE: 7/01/09 15:00  
\* COMP DATE: 7/21/09 9:00  
\*\*\*\*\*

Weights/Volumes  
Spike & Surrogate Worksheet  
Vial contains correct volume  
Labels, greenbars, worksheets  
computer batch: correct & all match  
Anomalies to Extraction Method

Extractionist: \_\_\_\_\_  
Concentrationist: \_\_\_\_\_

Reviewer/Date: \_\_\_\_\_ / 0/00/00  
PCBS, HRGC/HRMS (1668)  
SOXHLET (NONE, Na2SO4)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS VOL	EXCHANGE VOL	SPIKE STANDARD/ SURROGATE ID
6/05/10	7/28/09	G9F300243-001 LFW93-1-AC	D	11	Q8	AIR	1 20.00uL	NA	NA	NA	.0	.0	.0	.0
COMMENTS:														
6/05/10	7/28/09	G9F300243-002 LFW97-1-AC	D	11	Q8	AIR	1 20.00uL	NA	NA	NA	.0	.0	.0	.0
COMMENTS:														
6/05/10	7/28/09	G9F300243-003 LFWAC-1-AC	D	11	Q8	AIR	1 20.00uL	NA	NA	NA	.0	.0	.0	.0
COMMENTS:														
6/05/10	7/28/09	G9F300243-004 LFWAG-1-AC	D	11	Q8	AIR	1 20.00uL	NA	NA	NA	.0	.0	.0	.0
COMMENTS:														
6/05/10	7/28/09	G9F300243-005 LFWAM-1-AC	D	11	Q8	AIR	1 20.00uL	NA	NA	NA	.0	.0	.0	.0
COMMENTS:														
6/05/10	0/00/00	G9G20000-233 LF4V0-1-AAAB		11	Q8	AIR	1 20.00uL	NA	NA	NA	.0	.0	.0	.0
COMMENTS:														
6/05/10	0/00/00	G9G20000-233 LF4V0-1-ACC		11	Q8	AIR	1 20.00uL	NA	NA	NA	.0	.0	.0	.0
COMMENTS:														

R = RUSH C = CLP  
E = EPA 600 D = EXP.DEL) NUMBER OF WORK ORDERS IN BATCH: 7

M = CLIENT REQ MS/MSD  
↓

## Preparation Data Review Checklist

Prep Batch(es) 9183233

Test: PCBs/1668

Prep Date: 7/01/09

Holding Times:

NCM: Y **(N)**

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS, MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: [Signature]

Date: 7/1/09

2<sup>nd</sup> Level Reviewer: [Signature]

Date: 7/3/09

Comments:

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August 24, 2009

**TestAmerica Project Number: G9G290227**

PO/Contract: 565

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on July 29, 2009. These samples are associated with your KHF project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

CC: Huntington

## Table of Contents

# TestAmerica West Sacramento Project Number G9G290227

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5

    Sample Data Sheets

    Method Blank Report

    Laboratory QC Reports

Full Raw Data Package



## Case Narrative

### TestAmerica West Sacramento Project Number G9G290227

**AIR, 1668, WHO PCB congeners**

Sample: 2

The PCB 77 detection limit for this sample has been elevated due to matrix interferences. This elevated detection limit has been flagged with a "G" qualifier and may be considered a maximum possible concentration.

There are no other anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	NA

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G9G290227

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LG79C	1	JUL09-UMSI-TO9A	7/4/2009 12:01 AM	7/29/2009 08:45 AM
LG79L	2	JUL09-DMSI-TO9A	7/4/2009 12:01 AM	7/29/2009 08:45 AM
LG79N	3	JUL09-MSP-TO9A	7/4/2009 12:01 AM	7/29/2009 08:45 AM
LG79P	4	JUL09-MSP-TO9A-DUP	7/4/2009 12:01 AM	7/29/2009 08:45 AM
LG79R	5	JUL09-BLANK-TO9A-MSP	7/4/2009 12:01 AM	7/29/2009 08:45 AM

#### Notes(s).

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

# Chain of Custody Record

Sampler ID \_\_\_\_\_  
 Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (1007)

Client: **CHEMICAL WASTE MANAGEMENT**  
 Address: **35251 OLD SKYLINE ROAD**  
 City: **KITTLEMAN CITY** State: **CA** Zip Code: **93239**  
 Project Name and Location (State): **KHF**  
 Contract/Purchase Order/Quote No.: **565**

Project Manager: **PAUL TURKIL**  
 Telephone Number (Area Code)/Fax Number: **(559) 386-6151**  
 Site Contact: **STEVEN HORNBERG**  
 Carrier/Waybill Number: **FFD EX**  
 Lab Contact: **KAREN DAHL**

Date: **07/28/09** Chain of Custody Number: **102984**  
 Lab Number: \_\_\_\_\_ Page **1** of **1**  
 Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Sed.	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
Jul 09 - DMSP - T09A	07/24/09	0001	X				X									
Jul 09 - DMSP - T09A			X				X									
Jul 09 - MSP - T09A			X				X									
Jul 09 - MSP - T09A - DUP			X				X									
Jul 09 - BLANK - T09A - MSP			X				X									

Possible Hazard Identification:  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other **570**

QC Requirements (Specify):  
 1. Relinquished By: **Steve Hornberg** Date: **07/28/09** Time: **1700**  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: **C Dahl** Date: **7/28/09** Time: **1700**  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \_\_\_\_\_

CLIENT Wenok PM AD LOG# 59733

LOT# (QUANTIMS ID) G9G290227 QUOTE# 81307 LOCATION W14A

DATE RECEIVED 7/29/09 TIME RECEIVED 0845 Initials CV Date 7/29/09

DELIVERED BY  FEDEX  CA OVERNIGHT  CLIENT  
 AIRBORNE  GOLDENSTATE  DHL  
 UPS  BAX GLOBAL  GO GETTERS  
 TAL COURIER  VALLEY LOGISTICS  MORGAN HILL COURIER  
 OTHER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) 562722

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER \_\_\_\_\_

COC #(S) 102984

TEMPERATURE BLANK Observed: 4 Corrected: 4

SAMPLE TEMPERATURE

Observed: NA Average: \_\_\_\_\_ Corrected Average \_\_\_\_\_

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C – 6 °C)<sup>1</sup>  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Notes: \_\_\_\_\_

<sup>1</sup> Acceptable temperature range for State of Wisconsin samples is  $\leq 4^{\circ}\text{C}$

Lot ID: 696290227

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF	/	/	/	/	/															
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate  
 Number of VOAs with air bubbles present / total number of VOA's

LEAVE NO SPACES BLANK. USE "NA" IF NOT APPLICABLE.

QA-185 4/09 RKE

# AIR, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: JUL09-UMSI-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9G290227-001    Work Order #...: LG79C1AA    Matrix.....: AIR  
 Date Sampled...: 07/04/09    Date Received...: 07/29/09  
 Prep Date.....: 07/30/09    Analysis Date...: 08/04/09  
 Prep Batch #...: 9213049  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>1400 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>3800 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	95	(25 - 150)
13C12-PCB 81	96	(25 - 150)
13C12-PCB 118	105	(25 - 150)
13C12-PCB 114	114	(25 - 150)
13C12-PCB 105	120	(25 - 150)
13C12-PCB 126	143	(25 - 150)
13C12-PCB 167	96	(25 - 150)
13C12-PCB 156	106	(25 - 150)
13C12-PCB 157	105	(25 - 150)
13C12-PCB 169	119	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.



Wenck Associates, Inc.

Client Sample ID: JUL09-DMSI-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9G290227-002    Work Order #...: LG79J11AA    Matrix.....: AIR  
 Date Sampled...: 07/04/09    Date Received...: 07/29/09  
 Prep Date.....: 07/30/09    Analysis Date...: 08/04/09  
 Prep Batch #...: 9213049  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	2300	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>5000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>11000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	78	(25 - 150)
13C12-PCB 81	76	(25 - 150)
13C12-PCB 118	84	(25 - 150)
13C12-PCB 114	89	(25 - 150)
13C12-PCB 105	92	(25 - 150)
13C12-PCB 126	109	(25 - 150)
13C12-PCB 167	72	(25 - 150)
13C12-PCB 156	78	(25 - 150)
13C12-PCB 157	79	(25 - 150)
13C12-PCB 169	66	(25 - 150)

**NOTE (S) :**

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: JUL09-MSF-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9G290227-003    Work Order #...: LG79N1AA    Matrix.....: AIR  
 Date Sampled...: 07/04/09    Date Received...: 07/29/09  
 Prep Date.....: 07/30/09    Analysis Date...: 08/04/09  
 Prep Batch #...: 9213049  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>1600 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>4100 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	85	(25 - 150)
13C12-PCB 81	85	(25 - 150)
13C12-PCB 118	93	(25 - 150)
13C12-PCB 114	96	(25 - 150)
13C12-PCB 105	101	(25 - 150)
13C12-PCB 126	115	(25 - 150)
13C12-PCB 167	87	(25 - 150)
13C12-PCB 156	93	(25 - 150)
13C12-PCB 157	94	(25 - 150)
13C12-PCB 169	75	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: JUL09-MSP-T09A-DUP

Trace Level Organic Compounds

Lot-Sample #...: G9G290227-004    Work Order #...: LG79P1AA    Matrix.....: AIR  
 Date Sampled...: 07/04/09    Date Received...: 07/29/09  
 Prep Date.....: 07/30/09    Analysis Date...: 08/04/09  
 Prep Batch #...: 9213049  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>2100 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>4700 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	87	(25 - 150)
13C12-PCB 81	86	(25 - 150)
13C12-PCB 118	94	(25 - 150)
13C12-PCB 114	99	(25 - 150)
13C12-PCB 105	102	(25 - 150)
13C12-PCB 126	119	(25 - 150)
13C12-PCB 167	82	(25 - 150)
13C12-PCB 156	89	(25 - 150)
13C12-PCB 157	91	(25 - 150)
13C12-PCB 169	76	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: JUL09-BLANK-TO9A-MSP

Trace Level Organic Compounds

Lot-Sample #...: G9G290227-005    Work Order #...: LG79R1AA    Matrix.....: AIR  
 Date Sampled...: 07/04/09    Date Received...: 07/29/09  
 Prep Date.....: 07/30/09    Analysis Date...: 08/04/09  
 Prep Batch #...: 9213049  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	65	(25 - 150)
13C12-PCB 81	64	(25 - 150)
13C12-PCB 118	65	(25 - 150)
13C12-PCB 114	67	(25 - 150)
13C12-PCB 105	68	(25 - 150)
13C12-PCB 126	71	(25 - 150)
13C12-PCB 167	80	(25 - 150)
13C12-PCB 156	81	(25 - 150)
13C12-PCB 157	81	(25 - 150)
13C12-PCB 169	65	(25 - 150)

# QC DATA ASSOCIATION SUMMARY

G9G290227

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9213049	
002	AIR	EPA-14 1668		9213049	
003	AIR	EPA-14 1668		9213049	
004	AIR	EPA-14 1668		9213049	
005	AIR	EPA-14 1668		9213049	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9G290227      Work Order #...: LHERK1AA      Matrix.....: AIR  
 MB Lot-Sample #: G9H010000-049  
 Prep Date.....: 07/30/09  
 Analysis Date...: 08/04/09      Prep Batch #...: 9213049  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	71	(25 - 150)
13C12-PCB 118	75	(25 - 150)
13C12-PCB 114	77	(25 - 150)
13C12-PCB 105	77	(25 - 150)
13C12-PCB 126	79	(25 - 150)
13C12-PCB 167	83	(25 - 150)
13C12-PCB 156	86	(25 - 150)
13C12-PCB 157	86	(25 - 150)
13C12-PCB 169	89	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9G290227      Work Order #...: LHERKJAC      Matrix.....: AIR  
 LCS Lot-Sample#: G9H010000-049  
 Prep Date.....: 07/30/09      Analysis Date...: 08/04/09  
 Prep Batch #...: 9213049  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	4070	pg	102	EPA-14 1668
PCB 81 (BZ)	4000	4050	pg	101	EPA-14 1668
PCB 105 (BZ)	4000	3850 C	pg	96	EPA-14 1668
PCB 114 (BZ)	4000	3900	pg	98	EPA-14 1668
PCB 118 (BZ)	4000	3830 C	pg	96	EPA-14 1668
PCB 123 (BZ)	4000	4000	pg	100	EPA-14 1668
PCB 126 (BZ)	4000	3940	pg	99	EPA-14 1668
PCB 156 (BZ)	4000	3920	pg	98	EPA-14 1668
PCB 157 (BZ)	4000	3900	pg	98	EPA-14 1668
PCB 167 (BZ)	4000	3500	pg	87	EPA-14 1668
PCB 169 (BZ)	4000	3900	pg	97	EPA-14 1668
PCB 189 (BZ)	4000	3870	pg	97	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	54	(25 - 150)
13C12-PCB 81	54	(25 - 150)
13C12-PCB 118	58	(25 - 150)
13C12-PCB 114	58	(25 - 150)
13C12-PCB 105	61	(25 - 150)
13C12-PCB 126	67	(25 - 150)
13C12-PCB 167	69	(25 - 150)
13C12-PCB 156	73	(25 - 150)
13C12-PCB 157	73	(25 - 150)
13C12-PCB 169	81	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

C Co-eluting isomer.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G9G290227      Work Order #...: LHERK1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9H010000-049  
 Prep Date.....: 07/30/09      Analysis Date...: 08/04/09  
 Prep Batch #...: 9213049  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	102	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	101	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	96 C	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	98	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	96 C	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	100	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	99	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	98	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	98	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	87	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	97	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	97	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	54	(25 - 150)
13C12-PCB 81	54	(25 - 150)
13C12-PCB 118	58	(25 - 150)
13C12-PCB 114	58	(25 - 150)
13C12-PCB 105	61	(25 - 150)
13C12-PCB 126	67	(25 - 150)
13C12-PCB 167	69	(25 - 150)
13C12-PCB 156	73	(25 - 150)
13C12-PCB 157	73	(25 - 150)
13C12-PCB 169	81	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters  
 C Co-eluting isomer



# AIR, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qid

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

Name: 04AU0910D5\_4, Date: 04-Aug-2009, Time: 17:41:35, ID: LHERK-1-AA, Description: G9G290227-1MIB

*AK 8/19/09*

# Name	Trace	Sample Size	RT	Pid RT	RRE	M.	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fi	Mod Date
1 13C-PeCB-101	335.924	0.500	31.90	32.13	1.00000		2214060.69	4000.0000	4000.0000	100.0	3.63982	0.63	NO	
2														
3 13C-TeCB-81	301.963	0.500	33.81	33.85	1.03984		1657323.44	2879.4569	2879.4569	72.0	2.50958	0.79	NO	
4 TeCB-81	289.922	0.500		33.83	1.45839						0.98969		NO	
5 13C-TeCB-77	301.963	0.500	34.52	34.55	1.10430		1732689.13	2834.6794	2834.6794	70.9	2.36310	0.80	NO	
6 TeCB-77	289.922	0.500	34.54	34.54	1.27061		729.99	1.3263	1.0987		1.13497	0.56	YES	
7														
8 13C-PeCB-123	335.924	0.500	36.18	36.18	0.99324		1634463.38	2972.9856	2972.9856	74.3	3.66340	0.62	NO	
9 PeCB-123	323.883	0.500	36.20	36.20	1.50539		250.04	0.4065	0.3658		0.92748	0.79	YES	
10 13C-PeCB-118	335.924	0.500	36.35	36.35	1.02407		1694708.13	2989.7498	2989.7498	74.7	3.55309	0.63	NO	
11 PeCB-118/106	323.883	0.500	36.36	36.36	1.52536		6035.32	9.3389	9.3389		0.89512	0.52	NO	
12 13C-PeCB-114	335.924	0.500	37.14	37.14	1.03691		1763403.19	3072.4251	3072.4251	76.8	3.50910	0.64	NO	
13 PeCB-114	323.883	0.500		37.15	1.58603						0.83128		NO	
14 13C-PeCB-105	335.924	0.500	38.21	38.21	0.98151		1664587.00	3063.9580	3063.9580	76.6	3.70717	0.64	NO	
15 PeCB-105/127	323.883	0.500	38.23	38.23	1.43326		2489.69	4.1742	3.8745		0.99256	0.73	YES	
16 13C-PeCB-126	335.924	0.500	40.52	40.56	1.02999		1808729.31	3172.5761	3172.5761	79.3	3.53269	0.62	NO	
17 PeCB-126	323.883	0.500		40.55	1.15582						1.15980		NO	
18														
19 13C-OcCB-202	439.804	0.500	43.32	43.51	1.00000		2389432.88	4000.0000	4000.0000	100.0	0.81761	0.90	NO	
20														
21 13C-HXCB-167	371.882	0.500	41.88	41.91	1.00247		1991331.75	3325.3624	3325.3624	83.1	1.99569	1.29	NO	
22 HXCB-167	359.841	0.500	41.93	41.91	1.34796		410.16	0.6112	0.4152		0.85643	0.60	YES	
23 13C-HXCB-156	371.882	0.500	43.46	43.49	0.78510		1623573.88	3461.8633	3461.8633	86.5	2.54821	1.29	NO	
24 HXCB-156	359.841	0.500		43.49	1.68840						0.83339		NO	
25 13C-HXCB-157	371.882	0.500	43.85	43.88	0.83526		1722108.81	3451.4497	3451.4497	86.3	2.39518	1.28	NO	
26 HXCB-157	359.841	0.500		43.86	1.65965						0.80768		NO	
27 13C-HXCB-169	371.882	0.500	46.10	46.13	0.87128		1852843.38	3559.9777	3559.9777	89.0	2.29618	1.27	NO	
28 HXCB-169	359.841	0.500		46.13	1.03932						1.16146		NO	
29														
30 13C-HcCB-180	405.843	0.500	44.62	44.64	0.68403		1365423.13	3341.6345	3341.6345	83.5	1.25430	1.04	NO	
31 HcCB-180	393.803	0.500	44.65	44.65	1.30035		1509.96	3.4017	2.7085		0.89017	1.57	YES	
32 13C-HpCB-170	405.843	0.500	46.64	46.65	0.54773		1117898.50	3416.6414	3416.6414	85.4	1.56641	1.05	NO	
33 HpCB-170	393.803	0.500	46.67	46.65	1.61501		709.55	1.5721	1.4160		0.86514	0.86	YES	
34 13C-HpCB-189	405.843	0.500	48.51	48.50	0.69767		1430308.44	3431.9832	3431.9832	85.8	1.22977	1.05	NO	
35 HpCB-189	393.803	0.500		48.54	1.23073						0.82256		NO	

Quantity Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

Name: 04AU0910D5\_4, Date: 04-Aug-2009, Time: 17:41:35, ID: LHERK-1-AA, Description: G9G290227-1MB

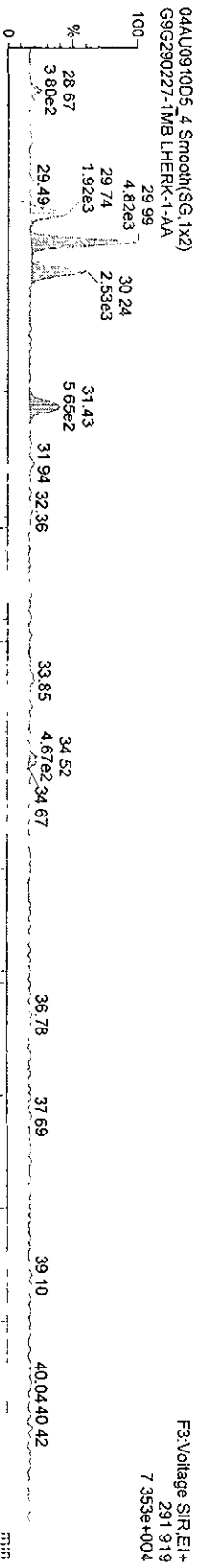
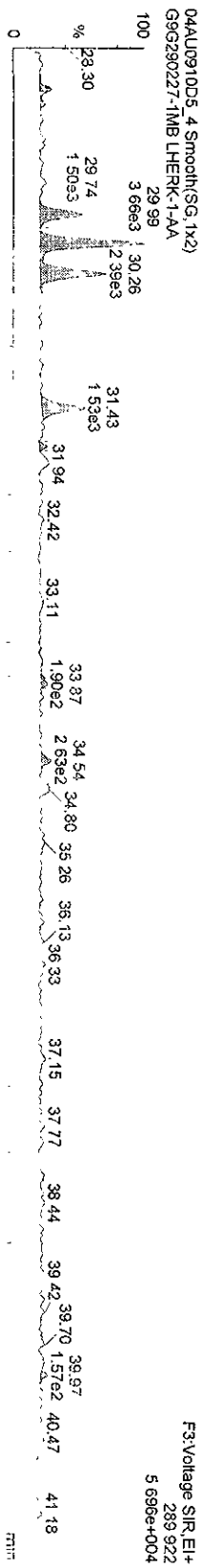
#	Name	Trace	Sample Size	RT	Ptd RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36														
37	13C-PecCB-111		0.500	33.68	33.67	1.30475	2042217.00	3654.5375		91.4	4.18579	0.62	NO	
38														
39	Function 3 PFK	380.976	1.000											
40	Function 4 PFK	380.976	1.000											

Dataset: C:\MassLynx\Default\pro\04AU0910D5\1668MSL.qld

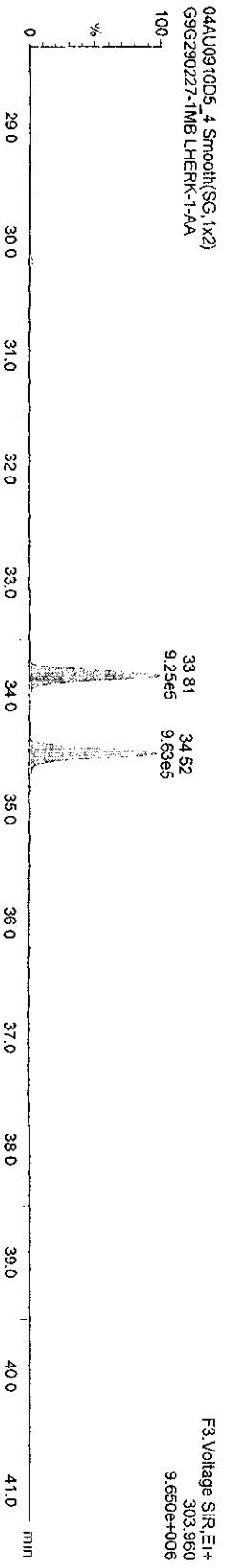
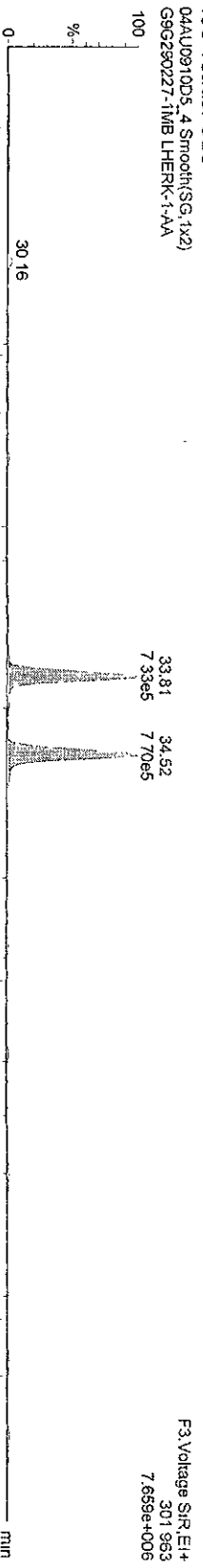
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_4, Date: 04-Aug-2009, Time: 17:41:35, ID: LHERK-1-AA, Description: G9G290227-1MB

TetraPCBs



13C-TetrastPCBs

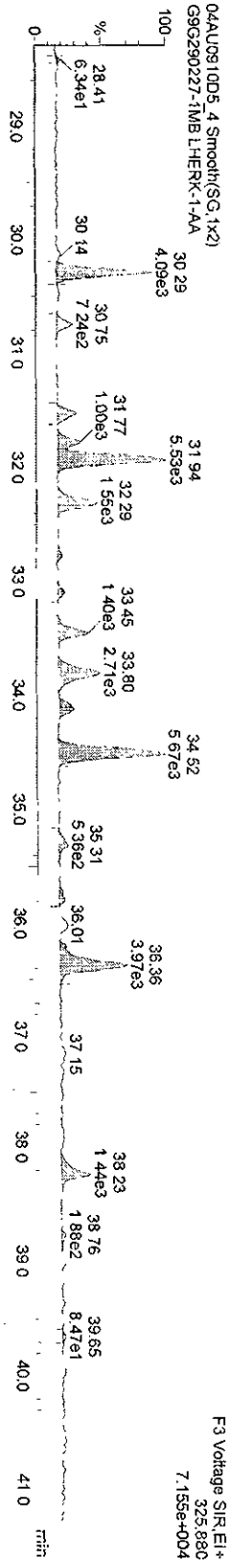
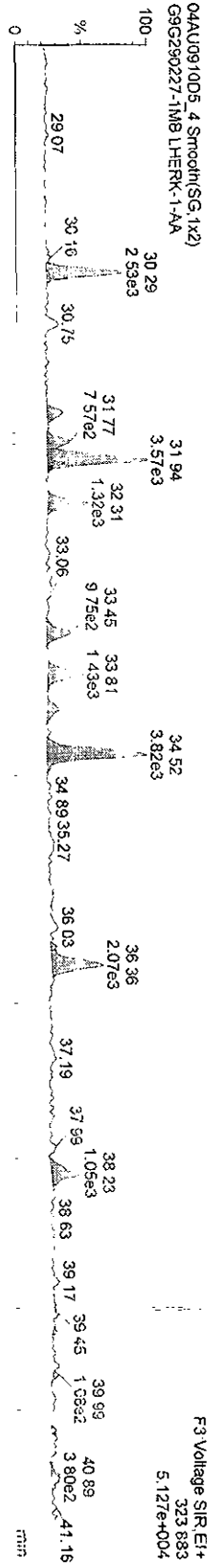


Dataset: C:\MassLynx\Default\pro\04AU0910D5\1668MSL.qld

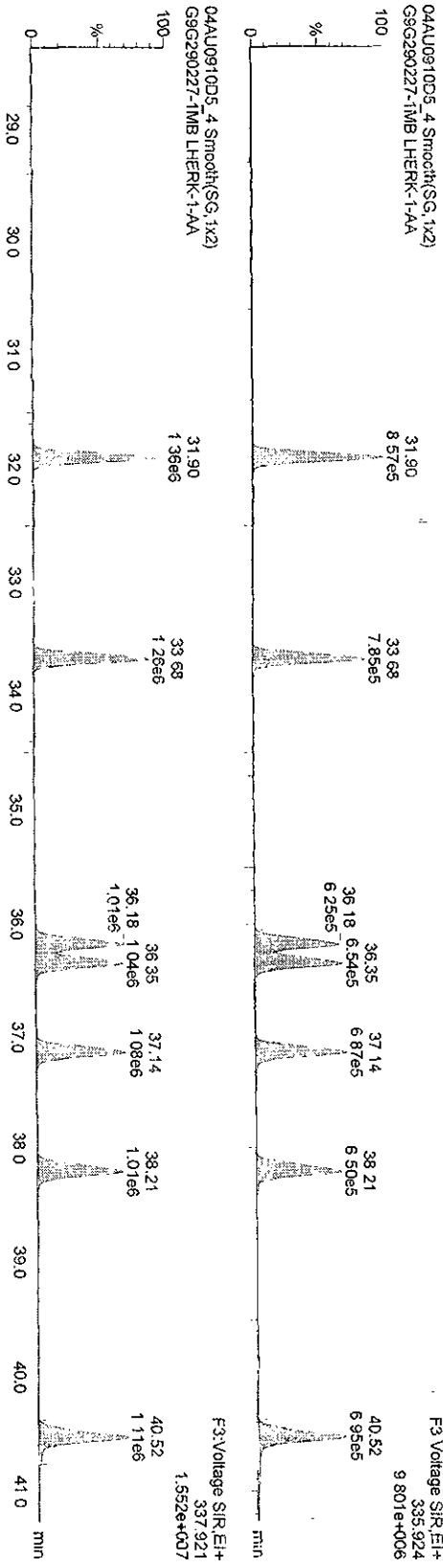
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_4, Date: 04-Aug-2009, Time: 17:41:36, ID: LHERK-1-AA, Description: G9G290227-1MB

PePCBs



13C-PePCBs

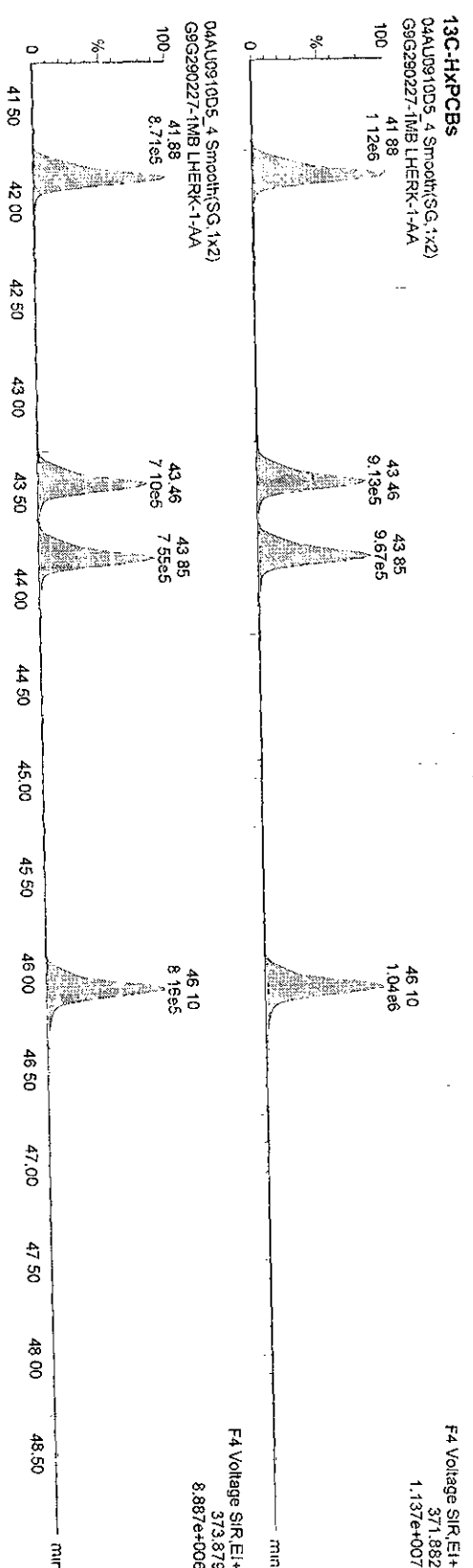
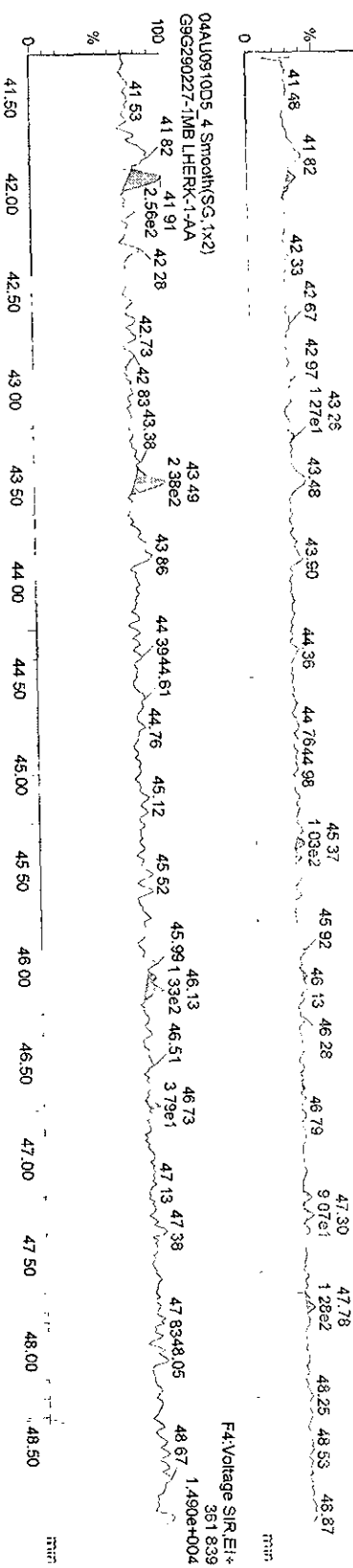


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro04\04U0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_4, Date: 04-Aug-2009, Time: 17:41:35, ID: LHERK-1-AA, Description: G9G290227-1MB



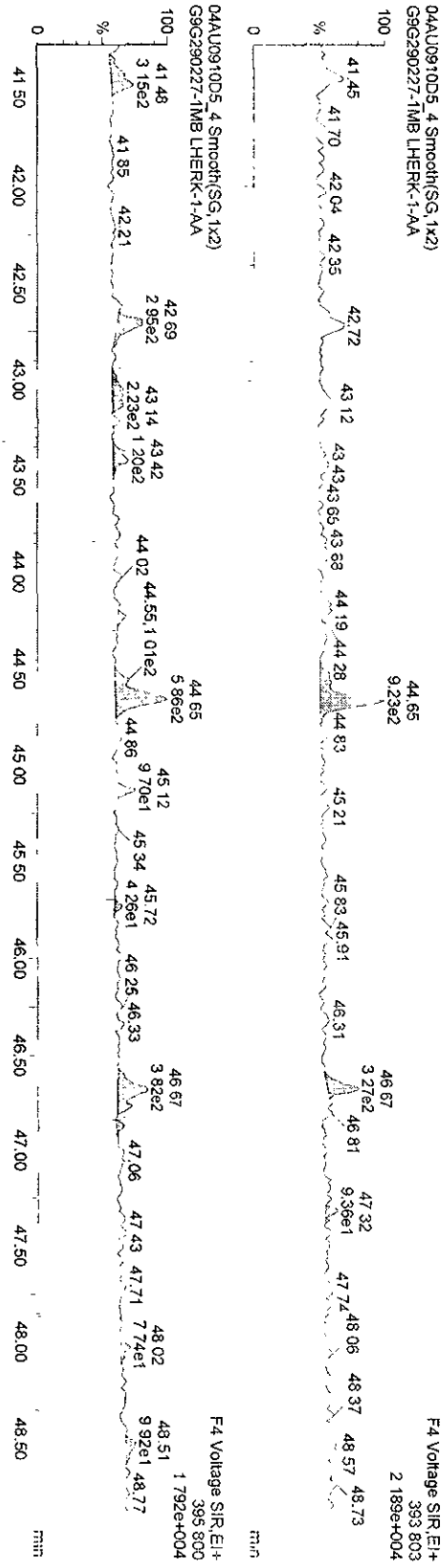


Dataset: C:\MassLynx\Default\pro\04AU0910D5\1668MSL.qid

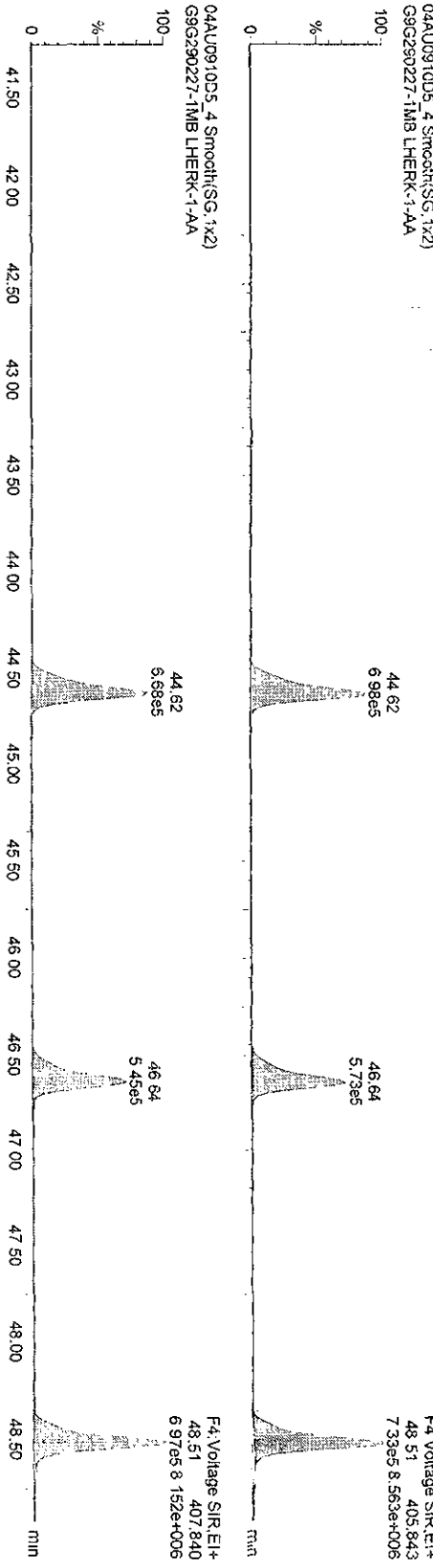
Last Altered: Wednesday, August 05, 2009 2:34 59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_4, Date: 04-Aug-2009, Time: 17:41:35, ID: LHERK-1-AA, Description: G9G290227-1MID

HPPCBs



13C-HPPCBs



Dataset: C:\Masslynx\Default\pro04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_4, Date: 04-Aug-2009, Time: 17:41:35, ID: LHERK-1-AA, Description: G9G290227-1MB

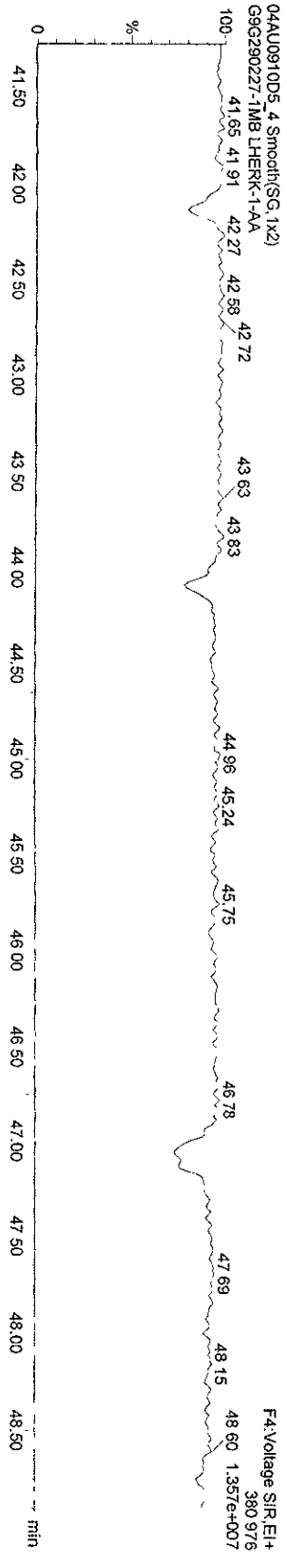
13C-OCB-202



Function 3 PFK



Function 4 PFK



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.dld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

*AK 8/19/09*

Name: 04AU0910D5\_5, Date: 04-Aug-2009, Time: 18:38:21, ID: LHERK-1-AC, Description: G9G290227-1LCS

# Name	Trace	Sample Size	RT	Ptd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335 924	0.500	31.89	32.13	1.00000		2226046.88	4000.0000	4000.0000	100.0	1.54468	0.63	NO	
2														
3 13C-TeCB-81	301.963	0.500	33.82	33.83	1.03984		1240580.13	2143.7955	2143.7955	53.6	2.17754	0.80	NO	
4 TeCB-81	289.922	0.500	33.83	33.83	1.45839		1831349.56	4048.8696	4048.8696		1.92148	0.77	NO	
5 13C-TeCB-77	301.963	0.500	34.50	34.54	1.10430		1330344.94	2164.7252	2164.7252	54.1	2.05044	0.79	NO	
6 TeCB-77	289.922	0.500	34.54	34.52	1.27061		1718763.56	4067.2509	4067.2509		2.26560	0.77	NO	
7														
8 13C-PeCB-123	335 924	0.500	36.16	36.16	0.99324		1237442.41	2238.7099	2238.7099	56.0	1.55520	0.62	NO	
9 PeCB-123	323.883	0.500	36.18	36.18	1.50539		1862545.38	3999.3904	3999.3904		1.41886	0.61	NO	
10 13C-PeCB-118	335 924	0.500	36.33	36.33	1.02407		1323026.38	2321.4731	2321.4731	58.0	1.50837	0.64	NO	
11 PeCB-118/106	323.883	0.500	36.35	36.35	1.52536		1931164.06	3827.7107	3827.7107		1.35626	0.62	NO	
12 13C-PeCB-114	335 924	0.500	37.12	37.12	1.03691		1342592.69	2326.6399	2326.6399	58.2	1.48970	0.64	NO	
13 PeCB-114	323.883	0.500	37.14	37.14	1.58603		2076321.88	3900.3001	3900.3001		1.29285	0.63	NO	
14 13C-PeCB-105	335 924	0.500	38.19	38.19	0.98151		1332915.59	2440.2492	2440.2492	61.0	1.57378	0.63	NO	
15 PeCB-105/127	323.883	0.500	38.21	38.21	1.43326		1837618.13	3847.5697	3847.5697		1.47811	0.61	NO	
16 13C-PeCB-126	335 924	0.500	40.51	40.54	1.02999		1530267.25	2669.6908	2669.6908	66.7	1.49971	0.62	NO	
17 PeCB-126	323.883	0.500	40.54	40.54	1.15582		1743831.88	3943.7440	3943.7440		1.64374	0.61	NO	
18														
19 13C-OcCB-202	439.804	0.500	43.29	43.51	1.00000		2491521.63	4000.0000	4000.0000	100.0	1.05334	0.89	NO	
20														
21 13C-HXCB-167	371.882	0.500	41.87	41.88	1.00247		1722767.25	2759.0028	2759.0028	69.0	1.82518	1.29	NO	
22 HXCB-167	359.841	0.500	41.88	41.90	1.34796		2030407.06	3497.3492	3497.3492		2.64457	1.25	NO	
23 13C-HXCB-156	371.882	0.500	43.43	43.46	0.78510		1427404.69	2918.8727	2918.8727	73.0	2.33050	1.27	NO	
24 HXCB-156	359.841	0.500	43.46	43.46	1.68840		2359250.50	3915.7135	3915.7135		2.54475	1.24	NO	
25 13C-HXCB-157	371.882	0.500	43.82	43.85	0.83526		1526100.44	2933.2849	2933.2849	73.3	2.19055	1.28	NO	
26 HXCB-157	359.841	0.500	43.85	43.83	1.65965		2472082.88	3904.1224	3904.1224		2.39801	1.25	NO	
27 13C-HXCB-169	371.882	0.500	46.06	46.10	0.87128		1757479.38	3238.3887	3238.3887	81.0	2.10000	1.29	NO	
28 HXCB-169	359.841	0.500	46.08	46.10	1.09832		1880881.56	3897.5557	3897.5557		3.18118	1.25	NO	
29														
30 13C-HpCB-180	405.843	0.500	44.59	44.61	0.68403		1230116.06	2887.1407	2887.1407	72.2	1.36776	1.04	NO	
31 HpCB-180	393.803	0.500	44.62	44.62	1.30035		1538349.31	3846.8754	3846.8754		1.65644	1.05	NO	
32 13C-HpCB-170	405.843	0.500	46.61	46.62	0.54773		1028606.63	3014.9250	3014.9250	75.4	1.70811	1.07	NO	
33 HpCB-170	393.803	0.500	46.62	46.62	1.61501		1600474.25	3853.7589	3853.7589		1.55044	1.03	NO	
34 13C-HpCB-189	405.843	0.500	48.48	48.47	0.69767		1407819.13	3239.6082	3239.6082	81.0	1.34101	1.04	NO	
35 HpCB-189	393.803	0.500	48.51	48.51	1.23073		1675623.50	3868.3668	3868.3668		1.33992	1.04	NO	

Quantity Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

Name: 04AU0910D5\_5, Date: 04-Aug-2009, Time: 18:38:21, ID: LHERK-1-AC, Description: G9G290227-1LCS

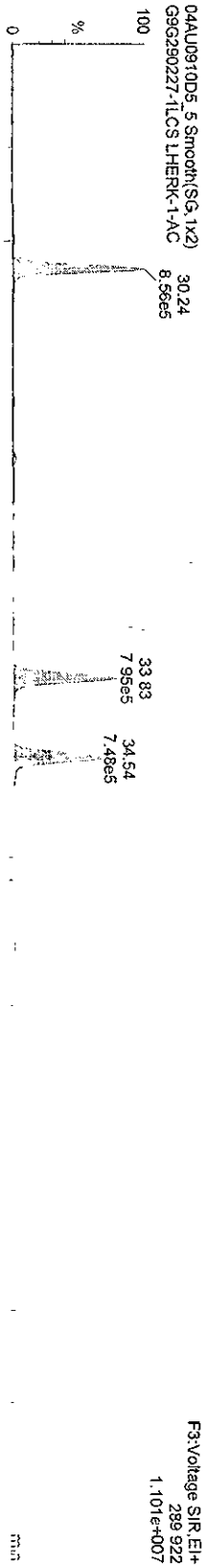
#	Name	Trace	Sample Size	RT	Prd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36															
37	13C-PeCB-111		335.924	0.500		33.67	1.30475					2.29924			NO
38															
39	Function 3 PFK		380.976	1.000			0.00								
40	Function 4 PFK		380.976	1.000			0.00								

Dataset: C:\MassLynx\Default.pro\04AU0910D5\1668MSL.qld

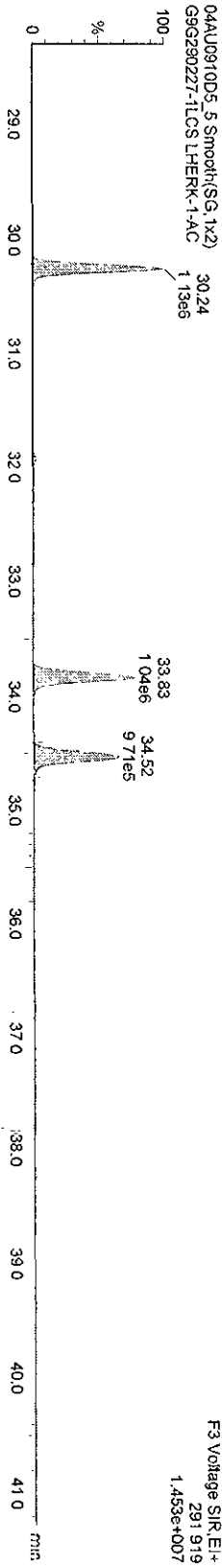
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_5, Date: 04-Aug-2009, Time: 18:38:21, ID: LHERK-1-AC, Description: G9G290227-1LCS

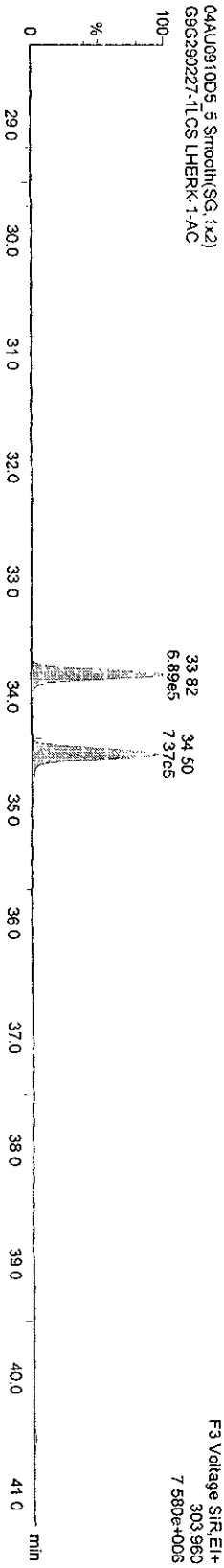
TetraPCBs



13C-TetrasPCBs



13C-TetrasPCBs

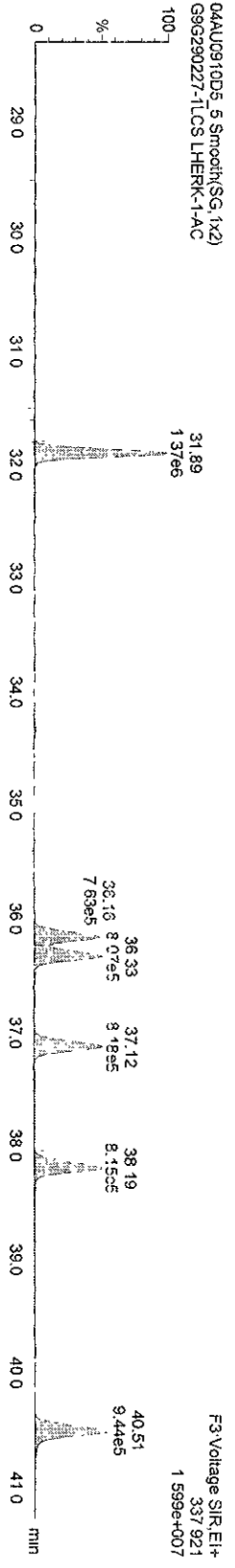
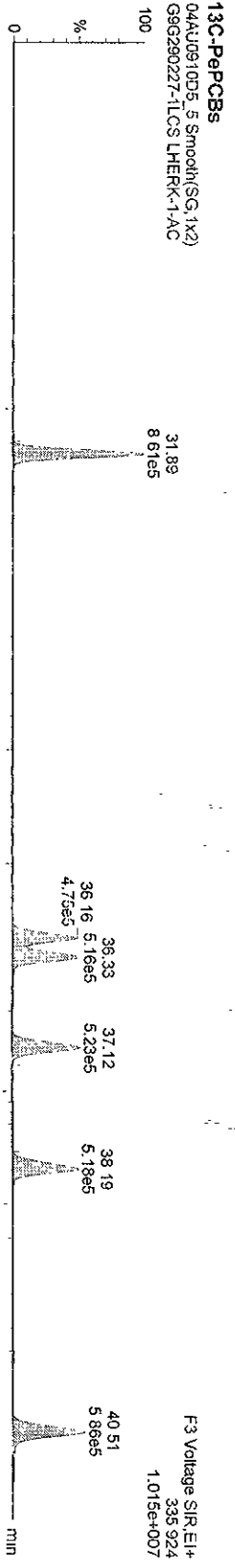
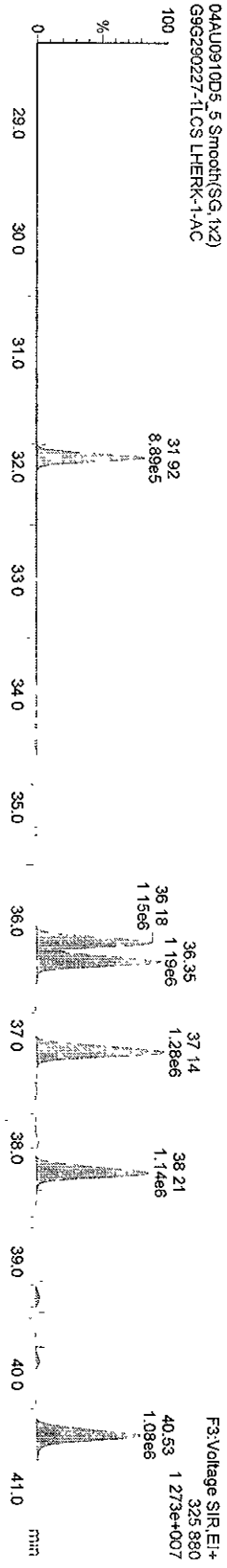
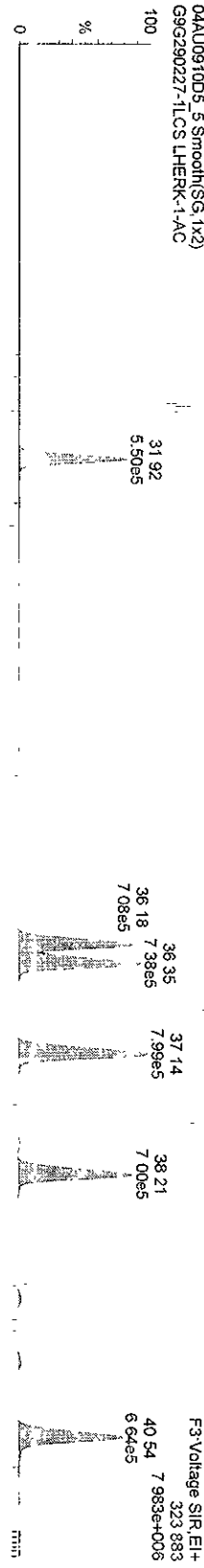


Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

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 Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_5, Date: 04-Aug-2009, Time: 18:38:21, ID: LHERK-1-AC, Description: G9G290227-1LCS

**PapCBs**

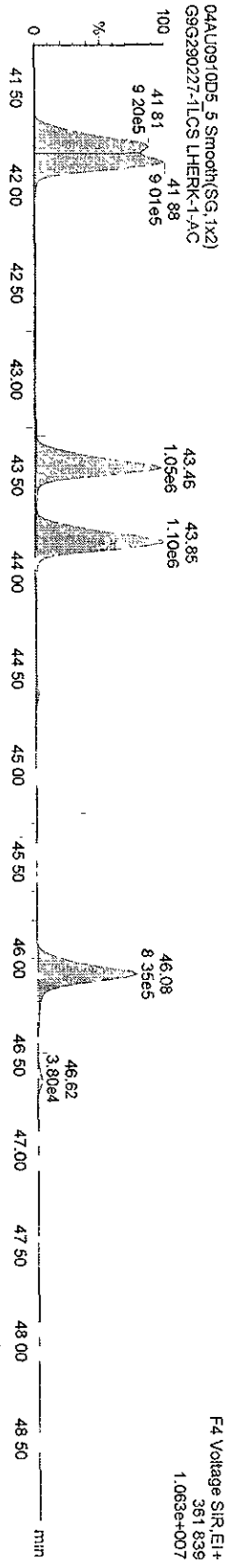


Dataset C:\MassLynx\Default pro\04AU0910D5\668MSL.qld

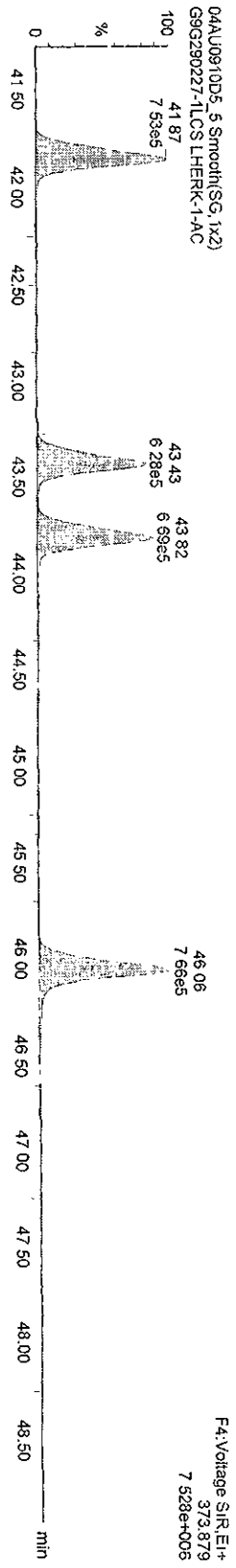
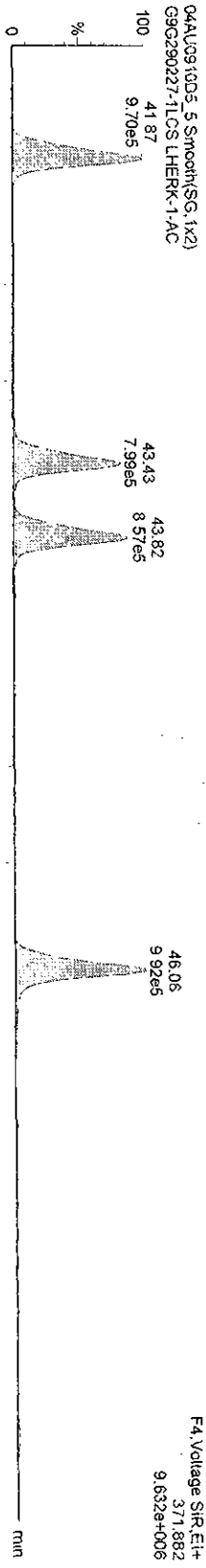
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Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_5, Date: 04-Aug-2009, Time: 19:39:21, ID: LHERK-1-AC, Description: G9G290227-1LCS

HPCBs-



13C-HPCBs

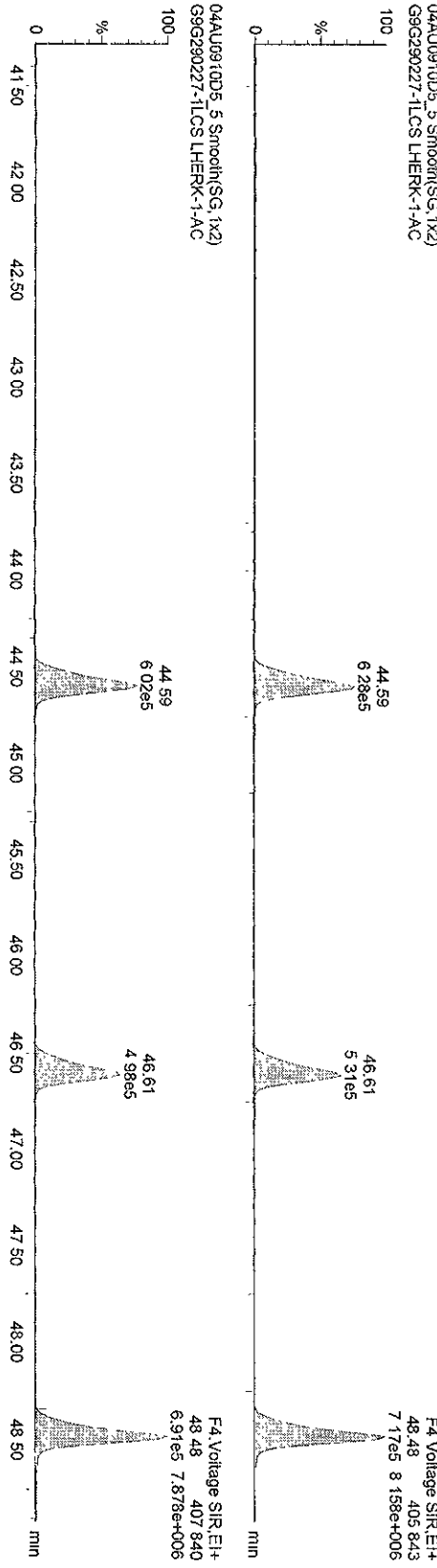
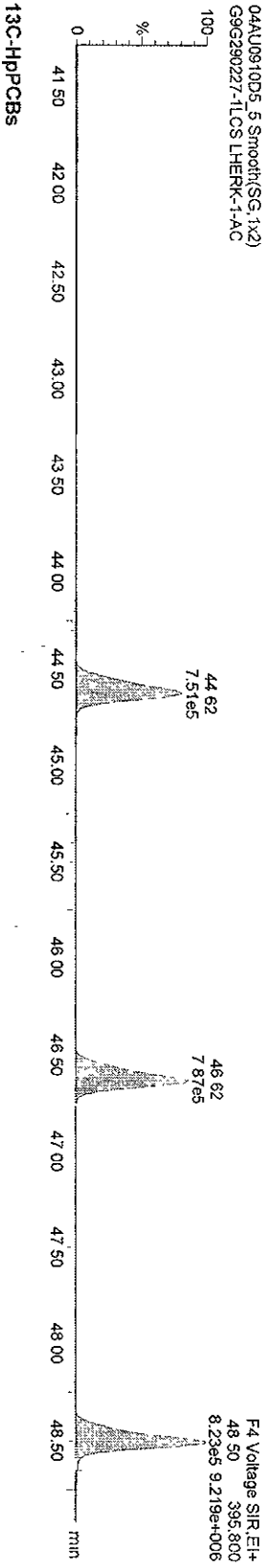
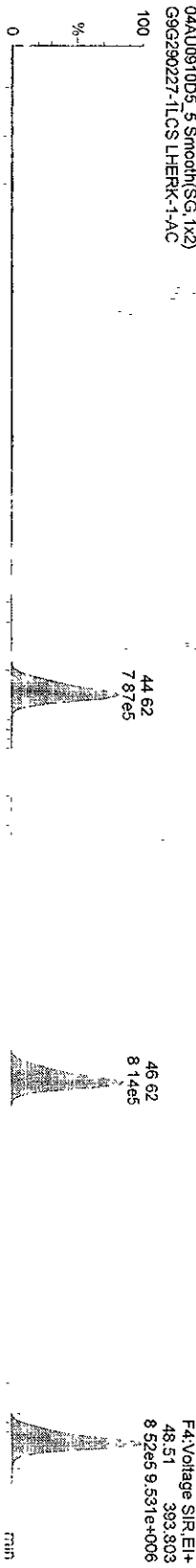


Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_5, Date: 04-Aug-2009, Time: 18:38:21, ID: LHERK-1-AC, Description: G9G290227-1LCS

HPPCBs



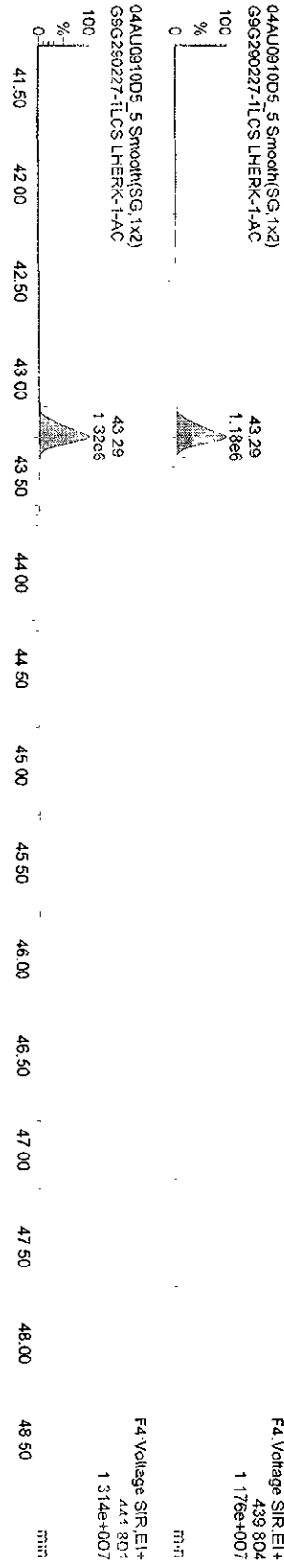


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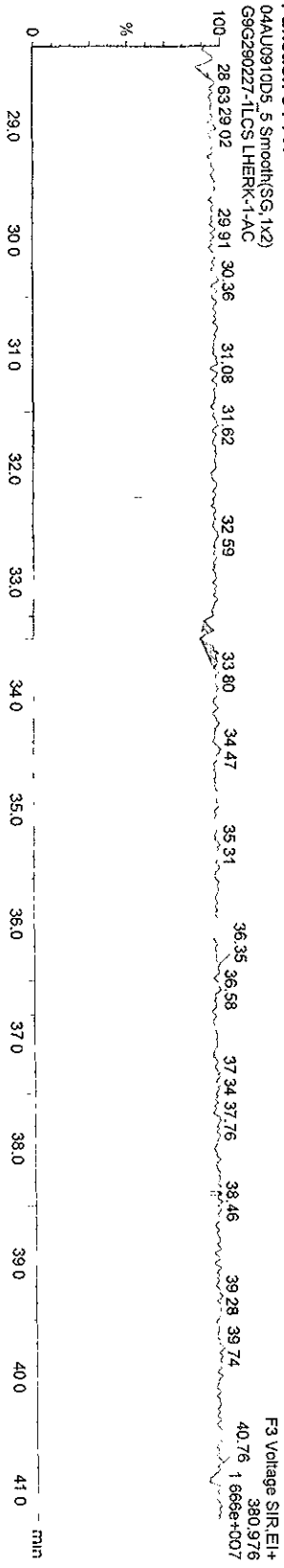
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_5, Date: 04-Aug-2009, Time: 18:38:21, ID: LHERK-1-AC, Description: G9G290227-1LCS

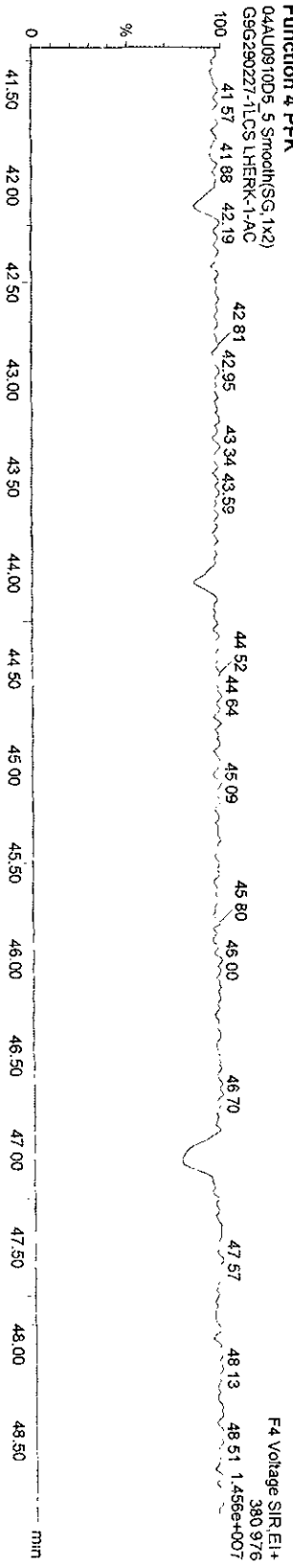
13C-OCCB-202



Function 3 PFK



Function 4 PFK



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

*AL*  
8/19/09

Name: 04AU0910D5\_6, Date: 04-Aug-2009, Time: 19:35:13, ID: LG79C-1-AA, Description: G9G290227-1

#	Name	Trace	Sample Size	RT	Prod RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-PeCB-101	335.924	0.500	32.14	32.13	1.00000		1125638.97	4000.0000	4000.0000	100.0	3.43795	0.63	NO	
2															
3	13C-TeCB-81	301.963	0.500	34.03	34.08	1.03984		1122675.63	3836.6131	3836.6131	95.9	5.70762	0.80	NO	
4	TeCB-81	289.922	0.500		34.05	1.45839								NO	
5	13C-TeCB-77	301.963	0.500	34.70	34.79	1.10430		1185562.75	3815.0325	3815.0325	95.4	5.37446	0.80	NO	
6	TeCB-77	289.922	0.500		34.72	1.27061								NO	
7															
8	13C-PeCB-123	335.924	0.500	36.35	36.42	0.99324		1222317.38	4373.1261	4373.1261	109.3	3.46126	0.63	NO	
9	PeCB-123	323.883	0.500	36.40	36.37	1.50539		62368.99	135.5803	135.5803		2.83463	0.53	NO	
10	13C-PeCB-118	335.924	0.500	36.52	36.58	1.02407		1215144.34	4216.5593	4216.5593	105.4	3.35704	0.63	NO	
11	PeCB-118/106	323.883	0.500	36.55	36.53	1.52536		1762797.44	3804.1968	3804.1968		2.78474	0.61	NO	
12	13C-PeCB-114	335.924	0.500	37.29	37.37	1.03691		1329707.38	4556.9699	4556.9699	113.9	3.31548	0.64	NO	
13	PeCB-114	323.883	0.500		37.30	1.58603								NO	
14	13C-PeCB-105	335.924	0.500	38.33	38.45	0.98151		1321488.34	4784.4283	4784.4283	119.6	3.50262	0.63	NO	
15	PeCB-105/127	323.883	0.500	38.36	38.34	1.43326		639646.72	1350.8612	1350.8612		2.77279	0.62	NO	
16	13C-PeCB-126	335.924	0.500	40.63	40.79	1.02999		1659539.25	5725.5392	5725.5392	143.1	3.33776	0.64	NO	
17	PeCB-126	323.883	0.500		40.66	1.15582								NO	
18															
19	13C-OcCB-202	439.804	0.500	43.37	43.51	1.00000		2050656.06	4000.0000	4000.0000	100.0	1.03638	0.89	NO	
20															
21	13C-HXCB-167	371.882	0.500	41.98	41.96	1.00247		1978860.75	3850.4599	3850.4599	96.3	2.37673	1.28	NO	
22	HXCB-167	359.841	0.500	41.99	42.01	1.34796		56230.52	84.3217	84.3217		1.56593	1.09	NO	
23	13C-HXCB-156	371.882	0.500	43.52	43.54	0.78510		1706205.19	4239.0753	4239.0753	106.0	3.03475	1.28	NO	
24	HXCB-156	359.841	0.500	43.56	43.55	1.68840		118458.72	164.4825	164.4825		1.43254	1.28	NO	
25	13C-HXCB-157	371.882	0.500	43.91	43.93	0.83526		1801417.13	4206.8522	4206.8522	105.2	2.85250	1.28	NO	
26	HXCB-157	359.841	0.500	43.93	43.93	1.65965		28328.40	37.9011	37.9011		1.40611	1.31	NO	
27	13C-HXCB-169	371.882	0.500	46.13	46.17	0.87128		2131942.31	4772.9405	4772.9405	119.3	2.73460	1.27	NO	
28	HXCB-169	359.841	0.500		46.16	1.03832								NO	
29															
30	13C-HpCB-180	405.843	0.500	44.69	44.69	0.68403		1413697.88	4031.3481	4031.3481	100.8	1.40219	1.05	NO	
31	HpCB-180	393.803	0.500	44.70	44.72	1.30035		928976.63	2021.3775	2021.3775		1.12080	1.04	NO	
32	13C-HpCB-170	405.843	0.500	46.67	46.70	0.54773		1270831.44	4525.7127	4525.7127	113.1	1.75110	1.05	NO	
33	HpCB-170	393.803	0.500	46.70	46.68	1.61501		180707.16	352.1864	352.1864		1.02146	1.05	NO	
34	13C-HpCB-189	405.843	0.500	48.54	48.54	0.69767		1713869.69	4791.7623	4791.7623	119.8	1.37477	1.05	NO	
35	HpCB-189	393.803	0.500		48.57	1.23073								NO	

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

Name: 04AU0910D5\_6, Date: 04-Aug-2009, Time: 19:35:13, ID: LG79C-1-AA, Description: G9G290227-1

# Name	Trace	Sample Size	RI	Prd.RT	RRF	M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
36														
37 13C-PeCB-111		0.500	33.90	33.67	1.30475		1349020.75		3064.3190	76.6	2.17718	0.63	NO	
38														
39 Function 3 PFK		1.000												
40 Function 4 PFK		1.000												

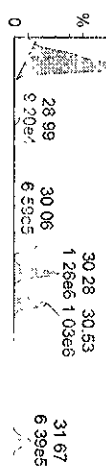
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Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_6, Date: 04-Aug-2009, Time: 19:35:13, ID: LG79C-1-AA, Description: G9G290227-1

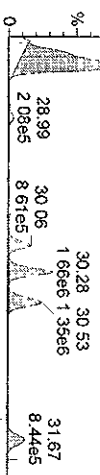
TetraPCBs

04AU0910D5\_6 Smooth(SG,1x2)  
G9G290227-1 LG79C-1-AA



F3:Voltage SIR\_EI+  
289.922  
4.799e+007

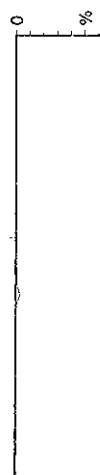
04AU0910D5\_6 Smooth(SG,1x2)  
G9G290227-1 LG79C-1-AA



F3:Voltage SIR\_EI+  
291.919  
6.362e+007

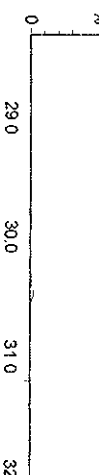
13C-TetrastPCBs

04AU0910D5\_6 Smooth(SG,1x2)  
G9G290227-1 LG79C-1-AA



F3:Voltage SIR\_EI+  
301.963  
5.610e+006

04AU0910D5\_6 Smooth(SG,1x2)  
G9G290227-1 LG79C-1-AA



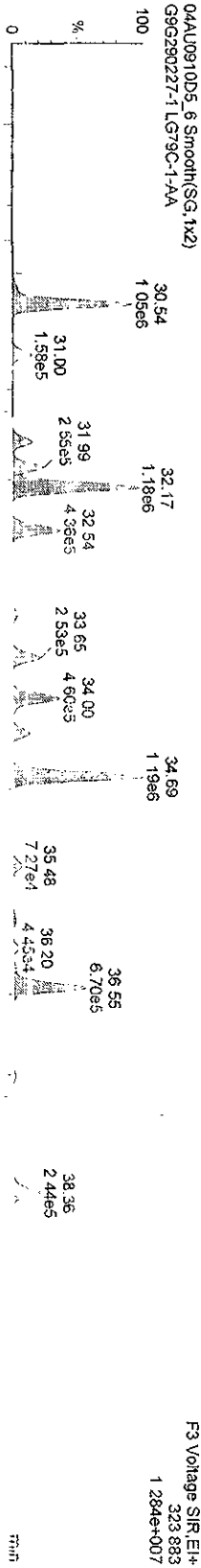
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303.960  
7.046e+005

Dataset C:\MassLynx\Default.pro\04AU0910D5\1668MSL.qtd

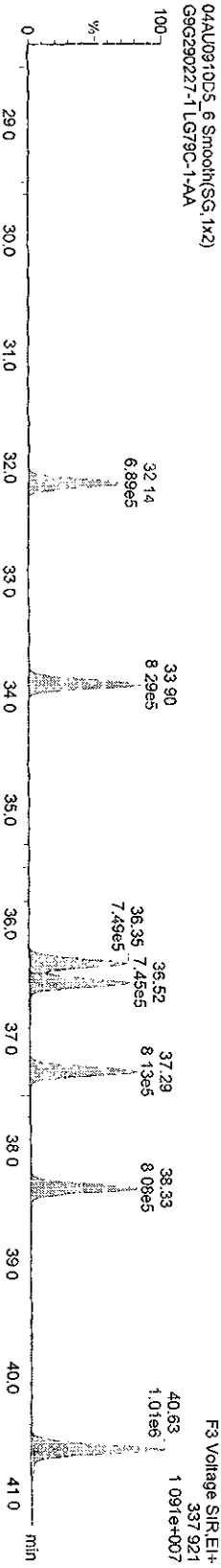
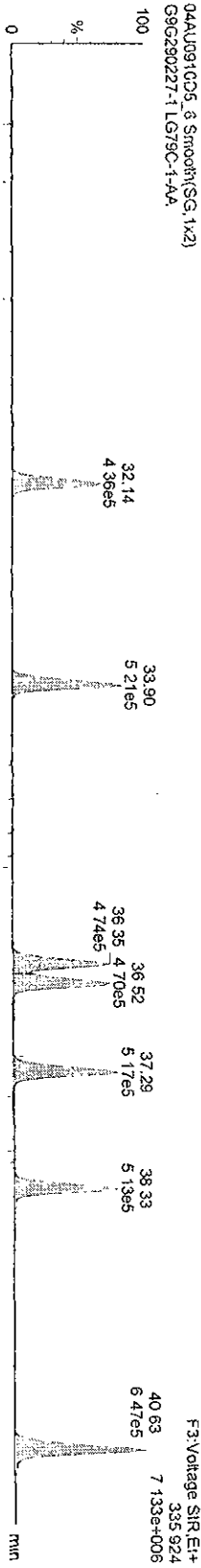
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
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Name: 04AU0910D5\_6, Date: 04-Aug-2009, Time: 19:35:13, ID: LG79C-1-AA, Description: G9G290227-1

**PePCBs**



**13C-PePCBs**

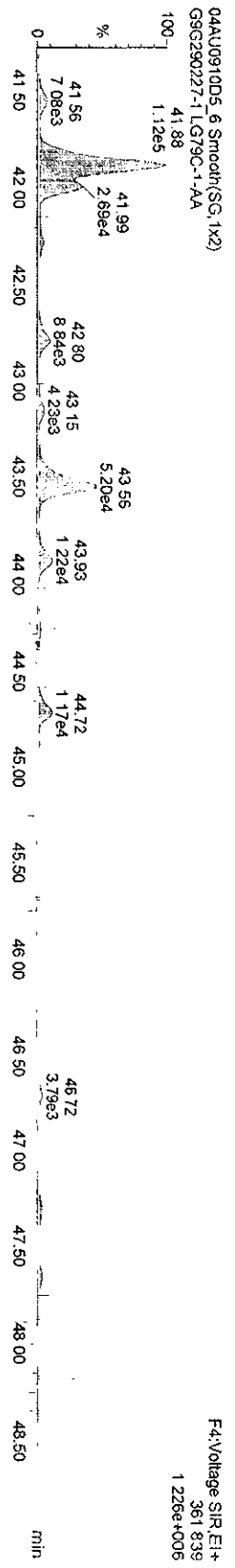
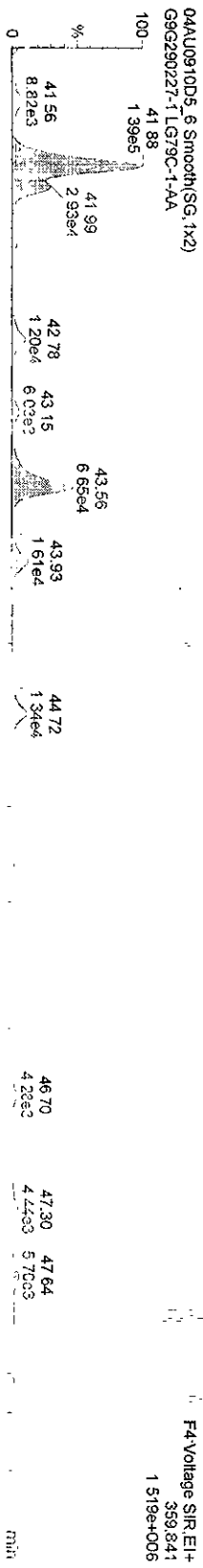


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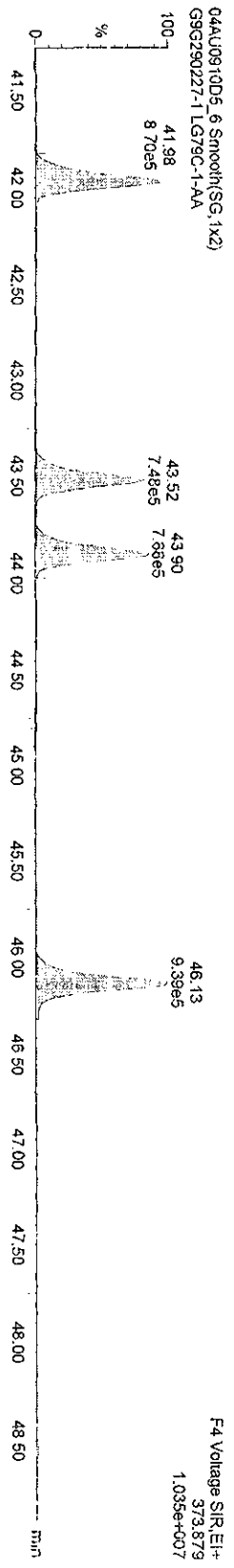
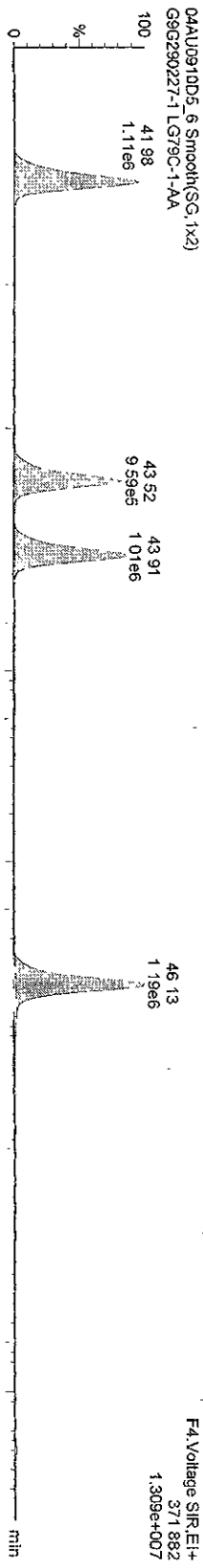
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Printed Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_6, Date: 04-Aug-2009, Time: 19:35:13, ID: LG79C-1-AA, Description: G9G290227-1

HPCBs-



13C-HPCBs

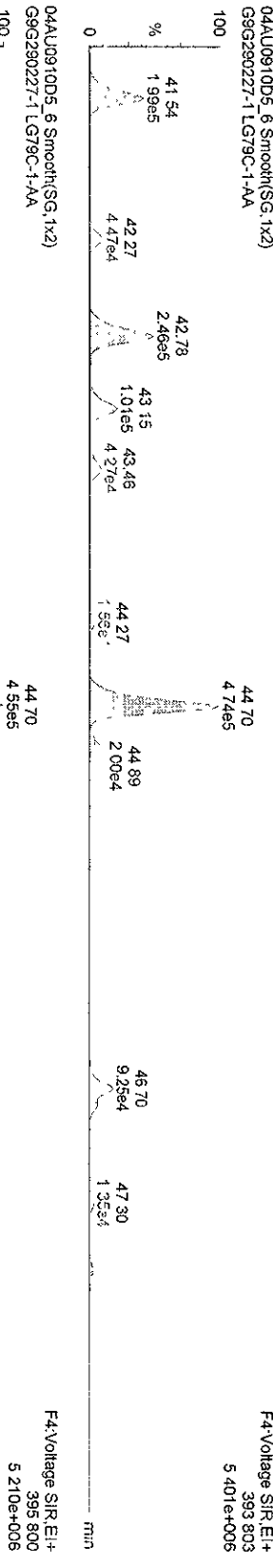


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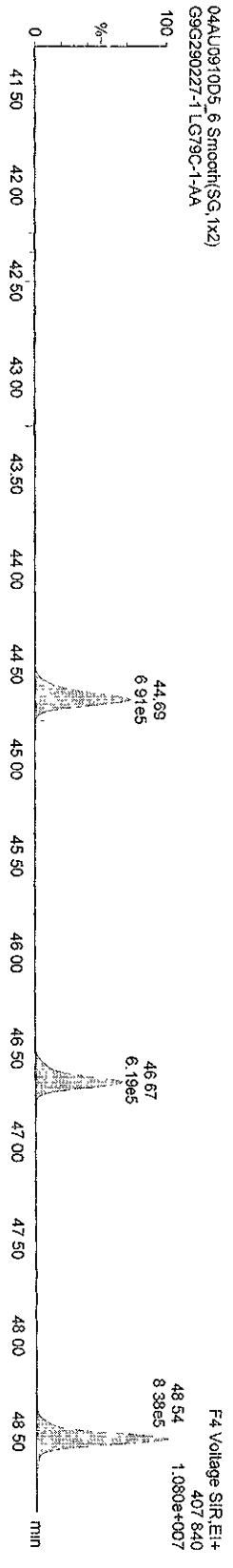
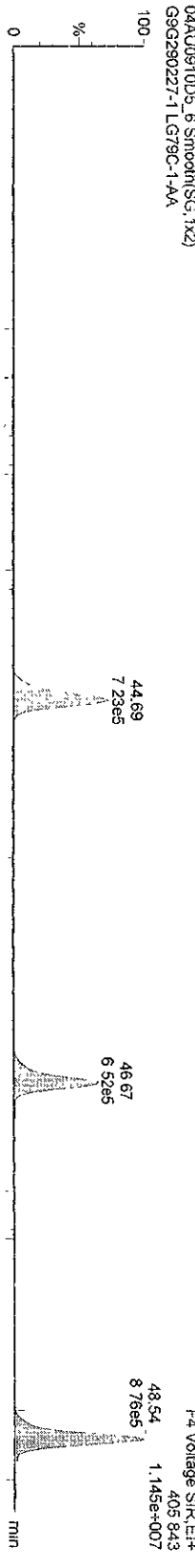
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Name: 04AU0910D5\_6, Date: 04-Aug-2009, Time: 19:35:13, ID: LG79C-1-AA, Description: G9G290227-1

**HPBCBS**



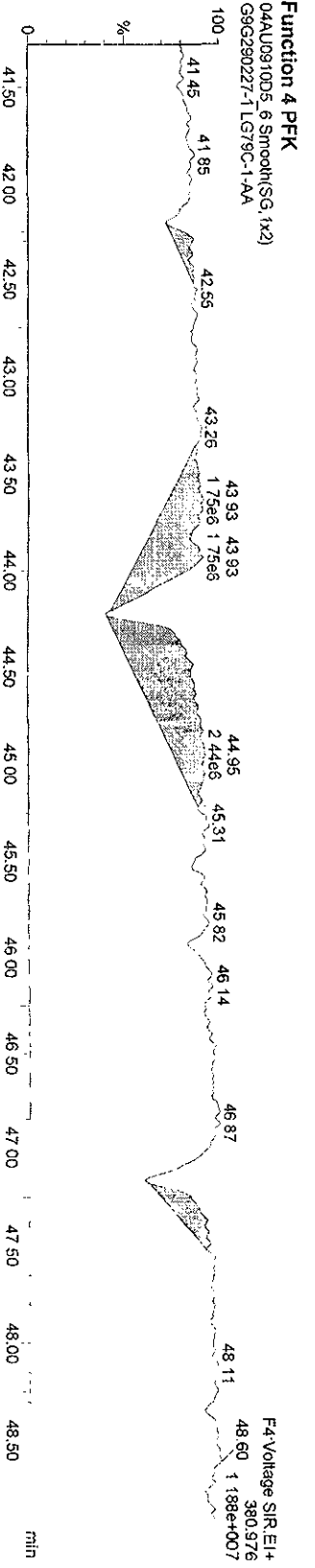
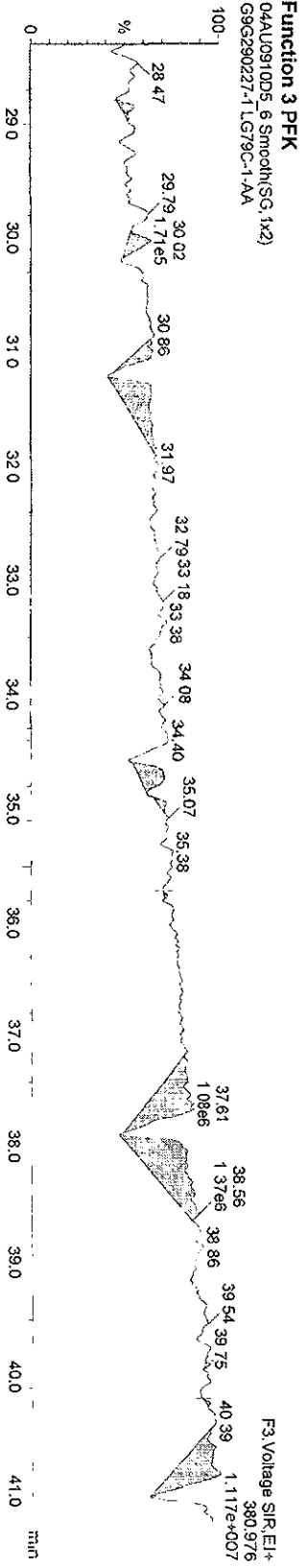
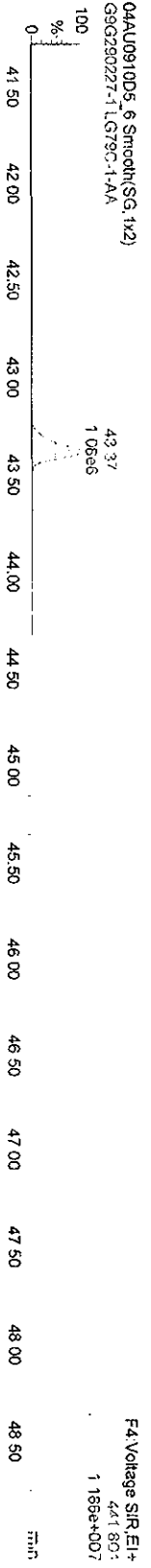
**13C-HPBCBS**



Dataset C:\Masslynx\Default\proj\04AU0910D51668MSL.qld

Last Altered Wednesday, August 05, 2009 2:34 59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_6, Date: 04-Aug-2009, Time: 19:35:13, ID: LG79C-1-AA, Description: G9G290227-1





Quantity Sample Summary Report MassLynx 4.1

Dataset: X:\ATG\10D5\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 19, 2009 10:06:02 Pacific Daylight Time  
 Printed: Wednesday, August 19, 2009 10:06:37 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Method\1668MSL10DB5.mdb 05 Aug 2009 09:10:07  
 Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Name: 04AU0910D5\_7, Date: 04-Aug-2009, Time: 20:32:08, ID: LG79L-1-AA, Description: G9G290227-2, Task: ICA0430200910D5PCBS

#	Name	Trace	Sample Size	RT	Ptd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio ...
1	13C-PeCB-101	335.924	0.500	32.17	32.13	1.000		1252100.84	4000.0000	4000.0000	100.0	2.4943		0.636	NO
2															
3	13C-TeCB-81	301.963	0.500	34.02	34.12	1.040		989452.06	3039.8229	3039.8229	76.0	4.3768		0.798	NO
4	TeCB-81	289.922	0.500	34.05	34.05	1.458						4.1913			NO
5	13C-TeCB-77	301.963	0.500	34.69	34.82	1.104		1080508.88	3125.8047	3125.8047	78.1	4.1204		0.795	NO
6	TeCB-77	289.922	0.500	34.70	34.70	1.271		797359.47	2323.1374	2323.1374	NO	4.5595		0.757	NO
7															
8	13C-PeCB-123	335.924	0.500	36.31	36.45	0.993		956619.22	3076.8543	3076.8543	76.9	2.5112	19-Aug-09	0.635	NO
9	PeCB-123	323.883	0.500	36.35	36.33	1.505		158700.83	440.8106	440.8106	84.2	2.2928		0.543	NO
10	13C-PeCB-118	335.924	0.500	36.48	36.62	1.024		1079888.25	3368.7514	3368.7514	84.2	2.4356		0.641	NO
11	PeCB-118/106	323.883	0.500	36.52	36.50	1.525		4377881.63	10630.9882	10630.9882	88.7	2.1506	19-Aug-09	0.634	NO
12	13C-PeCB-114	335.924	0.500	37.25	37.41	1.037		1151559.31	3547.8578	3547.8578	88.7	2.4055		0.630	NO
13	PeCB-114	323.883	0.500	37.27	37.27	1.586		147488.43	323.0125	323.0125	92.4	1.9453		0.591	NO
14	13C-PeCB-105	335.924	0.500	38.31	38.48	0.982		1136063.44	3697.6781	3697.6781	92.4	2.5412		0.639	NO
15	PeCB-105/127	323.883	0.500	38.33	38.33	1.433		2026523.75	4978.3222	4978.3222	108.7	2.2614		0.618	NO
16	13C-PeCB-126	335.924	0.500	40.59	40.83	1.030		1401675.00	4347.4641	4347.4641	108.7	2.4216		0.629	NO
17	PeCB-126	323.883	0.500	40.62	40.62	1.156								2.4091	NO
18															
19	13C-OcCB-202	439.804	0.500	43.35	43.51	1.000		2234183.88	4000.0000	4000.0000	100.0	0.9814		0.894	NO
20															
21	13C-HxCB-167	371.882	0.500	41.94	41.94	1.002		1620906.94	2894.8720	2894.8720	72.4	1.7868		1.271	NO
22	HxCB-167	359.841	0.500	41.96	41.98	1.348		92347.25	169.0629	169.0629	77.8	1.6377		1.167	NO
23	13C-HxCB-156	371.882	0.500	43.49	43.53	0.785		1365475.38	3113.8498	3113.8498	77.8	2.2815		1.289	NO
24	HxCB-156	359.841	0.500	43.52	43.52	1.688		213297.92	370.0724	370.0724	79.2	1.5466		1.254	NO
25	13C-HxCB-157	371.882	0.500	43.86	43.91	0.635		1477143.61	3166.2096	3166.2096	79.2	2.1445		1.279	NO
26	HxCB-157	359.841	0.500	43.91	43.90	1.680		45773.55	74.6853	74.6853	65.8	1.4632		1.261	NO
27	13C-HxCB-169	371.882	0.500	46.11	46.16	0.671		1281332.13	2632.9718	2632.9718	65.8	2.0559		1.285	NO
28	HxCB-169	359.841	0.500	46.14	46.14	1.098								2.5767	NO
29															
30	13C-HpCB-180	405.843	0.500	44.65	44.67	0.684		1153513.56	3019.1891	3019.1891	75.5	1.2829		1.062	NO
31	HpCB-180	393.803	0.500	44.69	44.69	1.300		1373324.31	3662.2641	3662.2641	75.5	1.7403		1.036	NO

*PK 8/19/09*

Dataset: X:\ATG\10D5\04AU0910D51668MSL.qtd

Last Altered: Wednesday, August 19, 2009 10:06:02 Pacific Daylight Time  
 Printed: Wednesday, August 19, 2009 10:06:37 Pacific Daylight Time

Name: 04AU0910D5\_7, Date: 04-Aug-2009, Time: 20:32:08, ID: LG79L-1-AA, Description: G9G290227-2, Task: ICA0430200910D5PCBS

# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio ...
32 13C-HpCB-170	405.843	0.500	46.65	46.68	0.548	790349.25	2583.4020	2583.4020	64.6	1.6021		1.070	NO
33 HpCB-170	393.803	0.500	46.67	46.67	1.615	290938.11	911.7310	911.7310	↓	1.9986		1.038	NO
34 13C-HpCB-189	405.843	0.500	48.53	48.53	0.698	1303304.13	3344.5458	3344.5458	83.6	1.2578		1.045	NO
35 HpCB-189	393.803	0.500			1.231				2.01	1.4861			NO
36													
37 13C-PeCB-111	335.924	0.500	33.88	33.67	1.305	1024282.50	2742.1198		68.6	2.3017		0.618	NO
38													
39 Function 3 PFK	380.976	1.000			0.00								
40 Function 4 PFK													

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

Name: 04AU0910D5\_7, Date: 04-Aug-2009, Time: 20:32:08, ID: LG79L-1-AA, Description: G9G290227-2

# Name	Trace	Sample Size	RT	Prd.RT	RRF	M	Abs.Resp	Pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1 13C-PeCB-101	335.924	0.500	32.17	32.13	1.00000		1252100.84	4000.0000	4000.0000	100.0	2.49425	0.64	NO	
2														
3 13C-TeCB-81	301.963	0.500	34.02	34.12	1.03984		989452.06	3039.8229	3039.8229	76.0	4.37580	0.80	NO	
4 TeCB-81	289.922	0.500		34.03	1.45839						4.19134		NO	
5 13C-TeCB-77	301.963	0.500	34.69	34.82	1.10430		1080508.88	3125.8047	3125.8047	78.1	4.12038	0.80	NO	
6 TeCB-77	289.922	0.500	34.70	34.70	1.27061		797359.47	2323.1374	2323.1374		4.55954	0.76	NO	
7														
8 13C-PeCB-123	335.924	0.500	36.48	36.45	0.99324		1079888.25	3473.3347	3473.3347	86.8	2.51124	0.64	NO	
9 PeCB-123	323.883	0.500	36.52	36.50	1.50539		4465209.75	10986.8952	10986.8952		2.17908	0.62	NO	
10 13C-PeCB-118	335.924	0.500	36.48	36.62	1.02407		1079888.25	3368.7514	3368.7514	84.2	2.43562	0.64	NO	
11 PeCB-118/106	323.883	0.500	(36.35)	36.50	1.52536		158700.83	385.3797	385.3797		2.15055	0.54	NO	
12 13C-PeCB-114	335.924	0.500	37.25	37.40	1.03691		1151559.31	3547.8578	3547.8578	88.7	2.40547	0.63	NO	
13 PeCB-114	323.883	0.500	37.27	37.27	1.58603		147488.43	323.0125	323.0125		1.94529	0.59	NO	
14 13C PeCB-105	335.924	0.500	38.31	38.48	0.98151		1136063.44	3697.6781	3697.6781	92.4	2.54124	0.64	NO	
15 PeCB-105/127	323.883	0.500	38.33	38.33	1.43326		2026523.75	4978.3222	4978.3222		2.26139	0.62	NO	
16 13C-PeCB-126	335.924	0.500	40.59	40.83	1.02999		1401675.00	4347.4641	4347.4641	108.7	2.42163	0.63	NO	
17 PeCB-126	323.883	0.500		40.62	1.15582						2.40906		NO	
18														
19 13C-OcCB-202	439.804	0.500	43.35	43.51	1.00000		2234183.88	4000.0000	4000.0000	100.0	0.98136	0.89	NO	
20														
21 13C-HxCB-167	371.882	0.500	41.94	41.94	1.00247		1620906.94	2894.8720	2894.8720	72.4	1.78684	1.27	NO	
22 HxCB-167	359.841	0.500	41.96	41.98	1.34796		92347.25	169.0629	169.0629		1.63767	1.17	NO	
23 13C-HxCB-166	371.882	0.500	43.49	43.52	0.78510		1365475.38	3113.8498	3113.8498	77.8	2.28154	1.29	NO	
24 HxCB-166	359.841	0.500	43.52	43.52	1.68840		213297.92	370.0724	370.0724		1.54662	1.25	NO	
25 13C-HxCB-157	371.882	0.500	43.88	43.91	0.83526		1477143.81	3166.2096	3166.2096	79.2	2.14452	1.28	NO	
26 HxCB-157	359.841	0.500	43.91	43.90	1.65965		45773.55	74.6853	74.6853		1.46316	1.26	NO	
27 13C-HxCB-169	371.882	0.500	46.11	46.16	0.87128		1281332.13	2632.9718	2632.9718	65.8	2.05588	1.28	NO	
28 HxCB-169	359.841	0.500		46.14	1.09832						2.57667		NO	
29														
30 13C-HpCB-180	405.843	0.500	44.65	44.67	0.68403		1153513.56	3019.1891	3019.1891	75.5	1.28287	1.06	NO	
31 HpCB-180	393.803	0.500	44.69	44.69	1.30035		1373324.31	3662.2641	3662.2641		1.74025	1.04	NO	
32 13C-HpCB-170	405.843	0.500	46.65	46.68	0.54773		790349.25	2583.4020	2583.4020	64.6	1.60210	1.07	NO	
33 HpCB-170	393.803	0.500	46.67	46.67	1.61501		290938.11	911.7310	911.7310		1.99857	1.04	NO	
34 13C-HpCB-189	405.843	0.500	48.53	48.53	0.69767		1303304.13	3344.5458	3344.5458	83.6	1.25779	1.04	NO	
35 HpCB-189	393.803	0.500		48.56	1.23073						1.48611		NO	

**Quantity Sample Summary Report**

**MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

Name: 04AU0910D5\_7, Date: 04-Aug-2009, Time: 20:32:08, ID: LG79L-1-AA, Description: G9G290227-2

#	Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36														
37	13C-PeCB-111		335 924	0.500	33.88	33.67	1.30475	1024282.50	2684.3287	67.1	2.28337	0.62	NO	
38														
39	Function 3 PFK		380.976	1.000			0.00							
40	Function 4 PFK		380.976	1.000			0.00							

Dataset: X:\ATG\10D5\04AU0910D51668MSL.qld

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Printed: Wednesday, August 19, 2009 10:06:56 Pacific Daylight Time

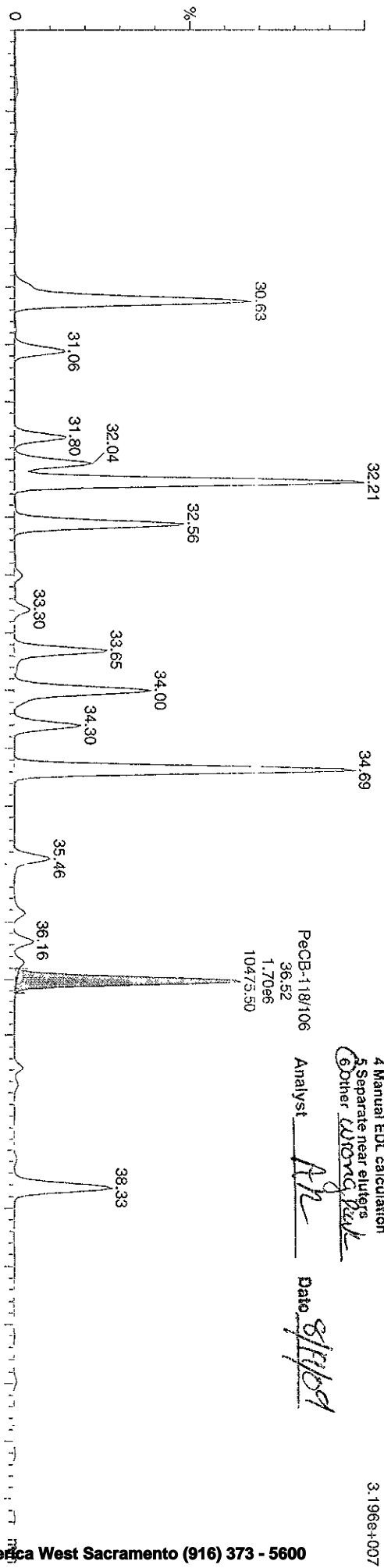
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Calibration: C:\MassLynx\Default.pro\Curved\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Manual Edit Codes

Sample Name: 04AU0910D5\_7  
04AU0910D5\_7 Smooth(SG, 1x2)  
G9G290227-2 LG79L-1-AA

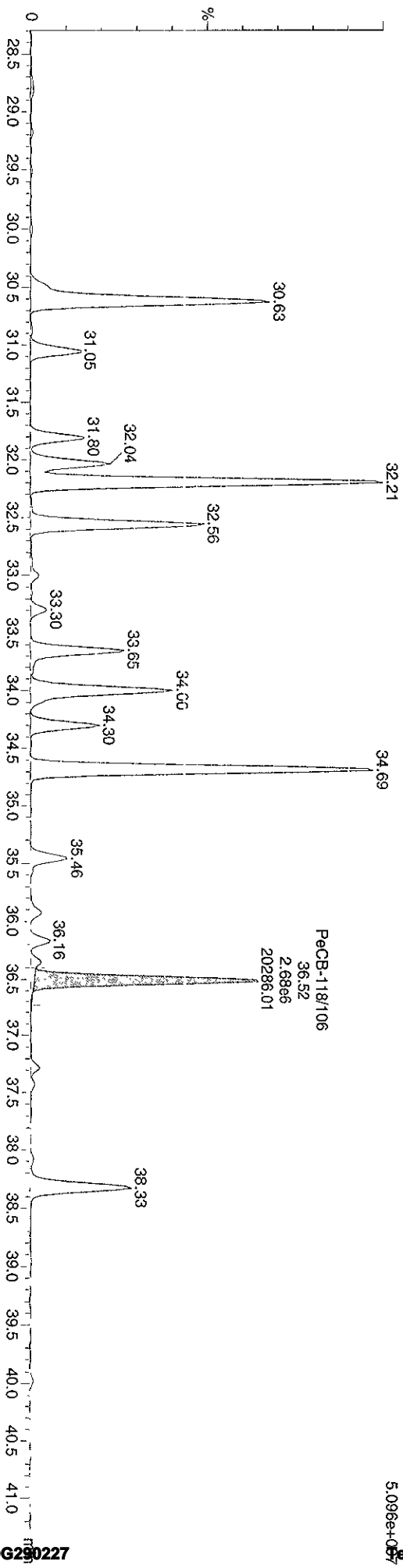
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other *Wrong Peak*

Analyst *AR* Date *8/19/09*



04AU0910D5\_7 Smooth(SG, 1x2)  
G9G290227-2 LG79L-1-AA

F3: Voltage SIF, EI+  
325.883  
5.096e+007



Dataset: X:\ATG\10D5\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 19, 2009 10:02:40 Pacific Daylight Time  
Printed: Wednesday, August 19, 2009 10:03:54 Pacific Daylight Time

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Calibration: C:\MassLynx\Default.pro\Curved\1668MSL\_10DB5.mdb 21 Jul 2009 13:15:46

Sample Name: 04AU0910D5\_7

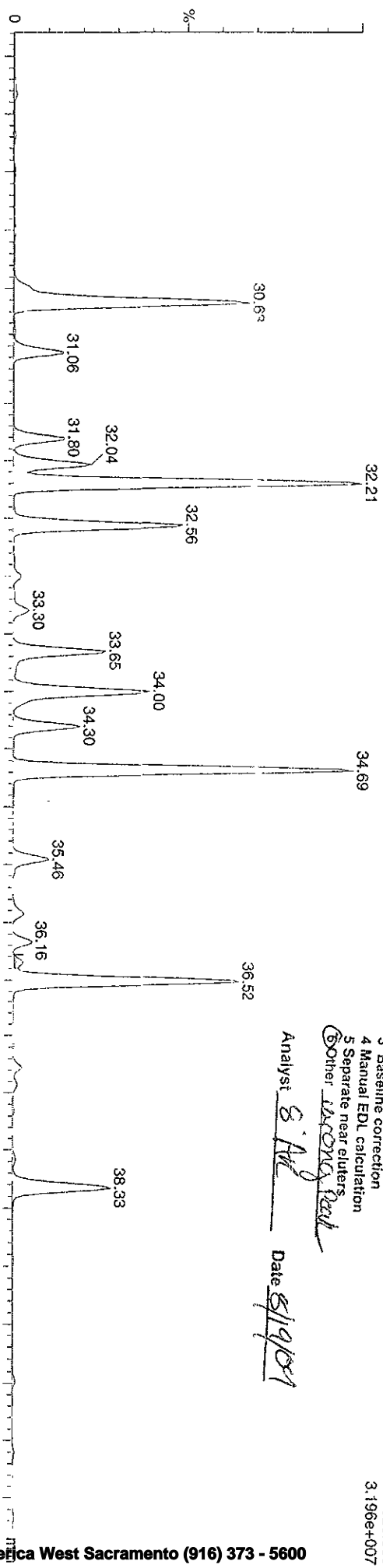
04AU0910D5\_7 Smooth(SG, 1x2)  
G9G290227-2.LG79L-1-AA

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- Other *wrong peak*

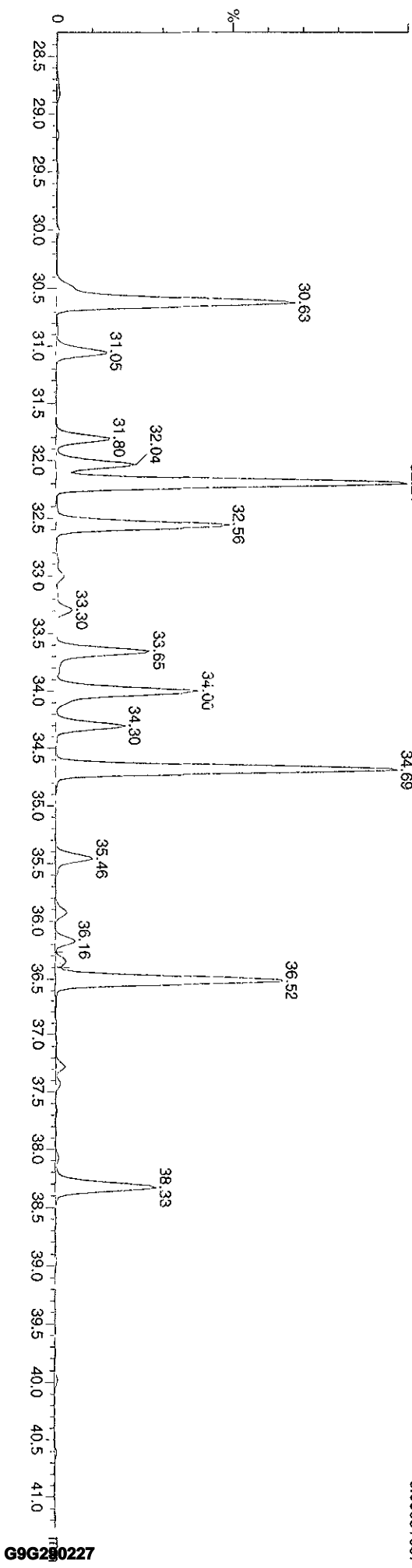
Analyst: *S.H.* Date: *8/19/09*

F3: Voltage S1R, E1+  
323,883  
3,196e+007



04AU0910D5\_7 Smooth(SG, 1x2)  
G9G290227-2.LG79L-1-AA

F3: Voltage S1R, E1+  
325,883  
5,096e+007



Dataset: X:\ATG\10D5\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 19, 2009 10:02:40 Pacific Daylight Time  
Printed: Wednesday, August 19, 2009 10:03:16 Pacific Daylight Time

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Calibration: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSL.cdb 21 Jun 2009 13:15:46

Sample Name: 04AU0910D5\_7

04AU0910D5\_7 Smooth(SG,1x2)  
G9G290227-2 LG79L-1-AA

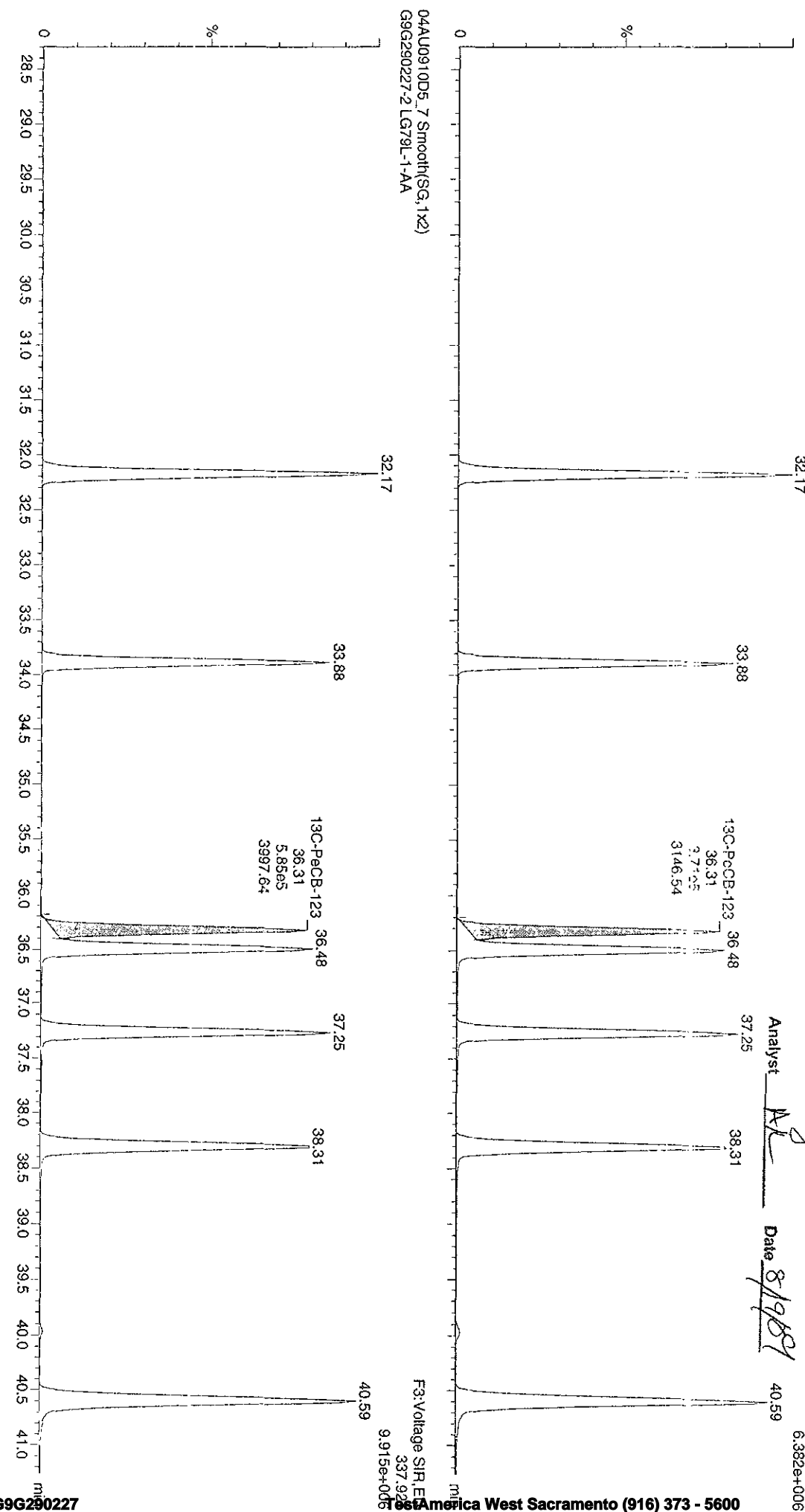
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EUL calculation
- 5 Separate near eluters
- 6 Other *Wrong Peak*

Analyst *AL*

Date *8/19/09*

F3: Voltage SIR, EI+  
335.924  
6.382e+006



04AU0910D5\_7 Smooth(SG,1x2)  
G9G290227-2 LG79L-1-AA

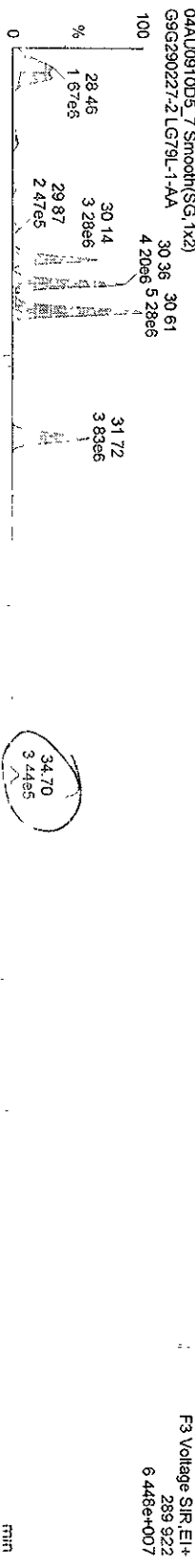
F3: Voltage SIR, EI+  
337.924  
9.915e+005

Dataset: C:\MassLynx\Default\pro\04AU0910D5\1668MSL.qid

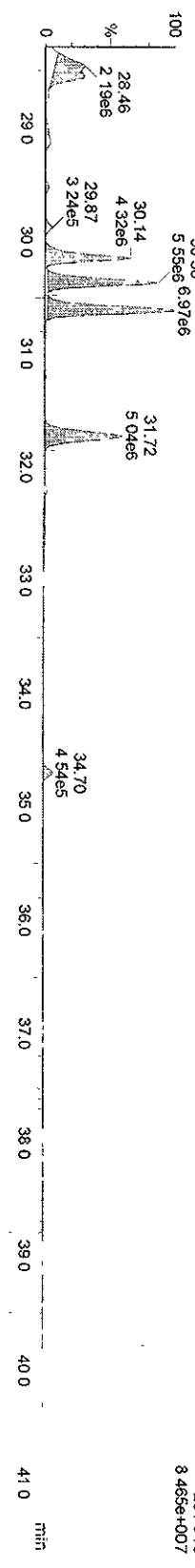
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_7, Date: 04-Aug-2009, Time: 20:32:08, ID: LG79L-1-AA, Description: G9G290227-2

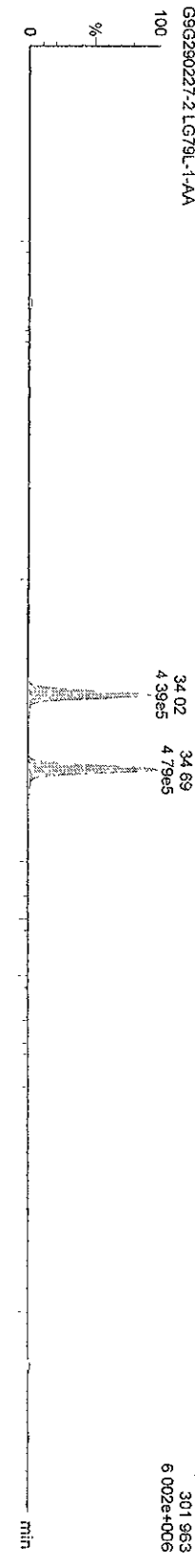
TetraPCBs



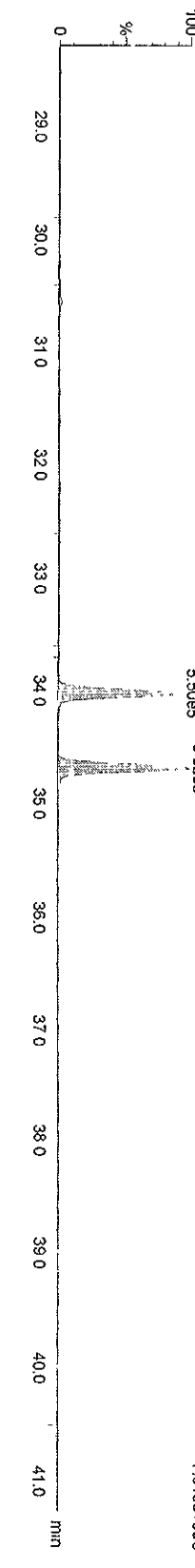
13C-TetrasPCBs



04AU0910D5\_7 Smoother(SG, 1x2)



04AU0910D5\_7 Smoother(SG, 1x2)



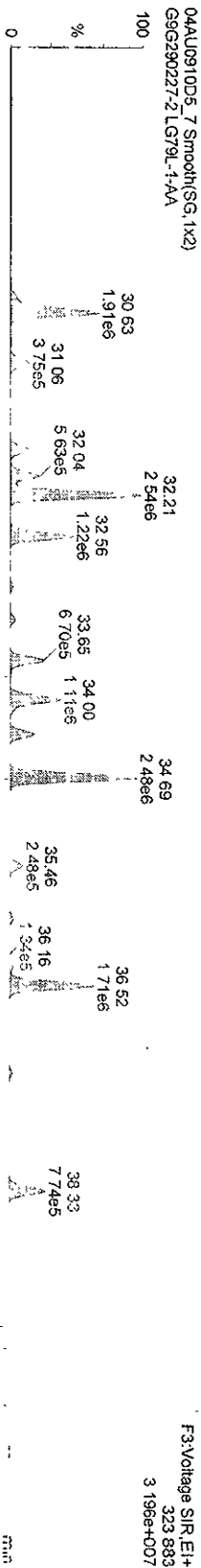


Dataset: C:\MassLynx\Default\prof\04AU0910D5\1668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

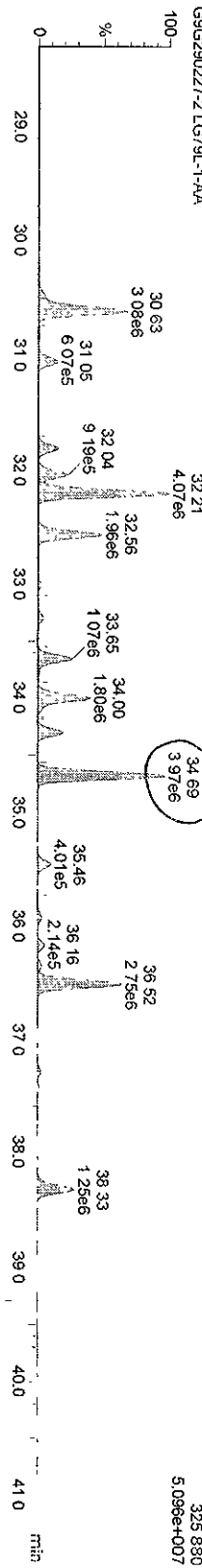
Name: 04AU0910D5\_7, Date: 04-Aug-2009, Time: 20:32:08, ID: LG79L-1-AA, Description: G9G290227-2

PePCBs



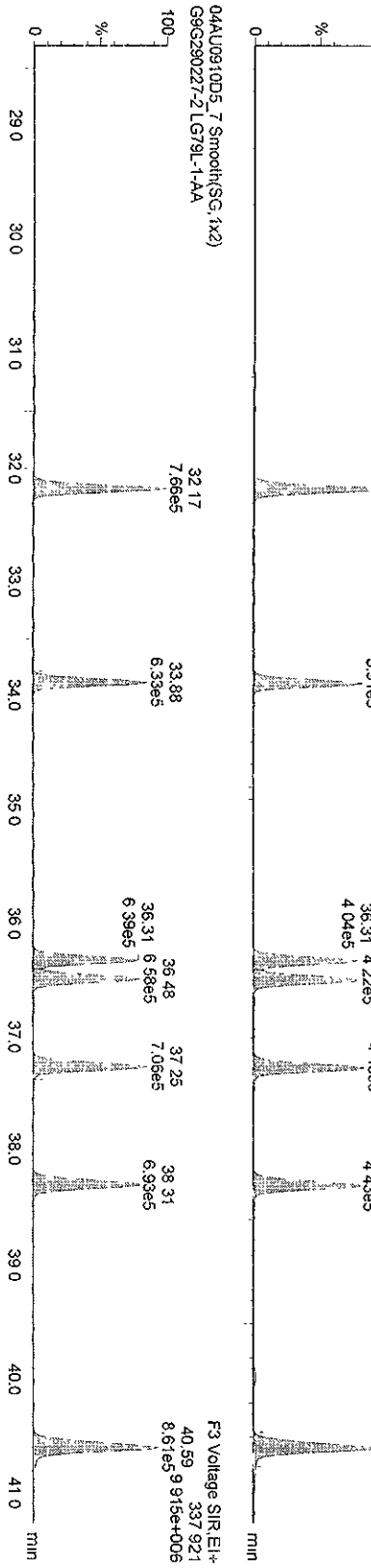
04AU0910D5\_7 Smooth(SG, 1x2)  
 G9G290227-2.LG79L-1-AA

F3:Voltage SIR\_EI+  
 323 883  
 3.196e+007



13C-PCBs  
 04AU0910D5\_7 Smooth(SG, 1x2)  
 G9G290227-2.LG79L-1-AA

F3:Voltage SIR\_EI+  
 40 59 3.35 924  
 5.41e5 6.382e+006



04AU0910D5\_7 Smooth(SG, 1x2)  
 G9G290227-2.LG79L-1-AA

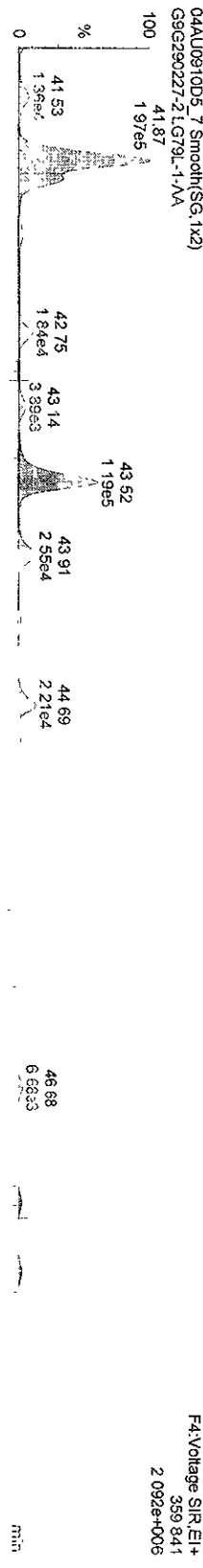
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 8.67e5 9.915e+006

Dataset: C:\MassLynx\Default pro\04AU0910D51668MSL.qld

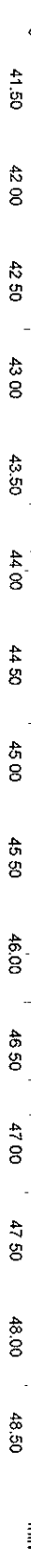
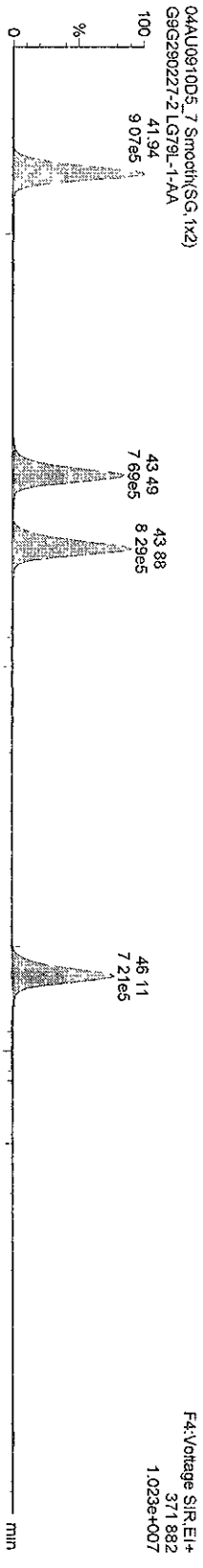
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_7, Date: 04-Aug-2009, Time: 20:32:06, ID: LG79L-1-AA, Description: G9G290227-2

HXPCBS-



13C-HXPCBS



Dataset: C:\MassLynx\Default pro\04AU0910D51668MSL.qld

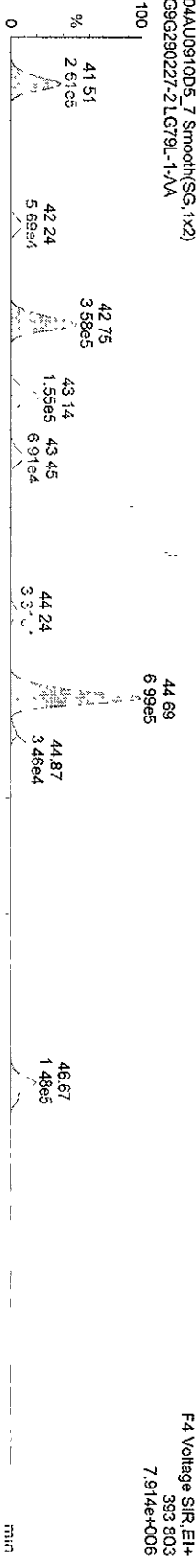
Last Altered: Wednesday, August 05, 2009 2:34 59 PM Pacific Daylight Time

Printed Wednesday, August 05, 2009 2:35 58 PM Pacific Daylight Time

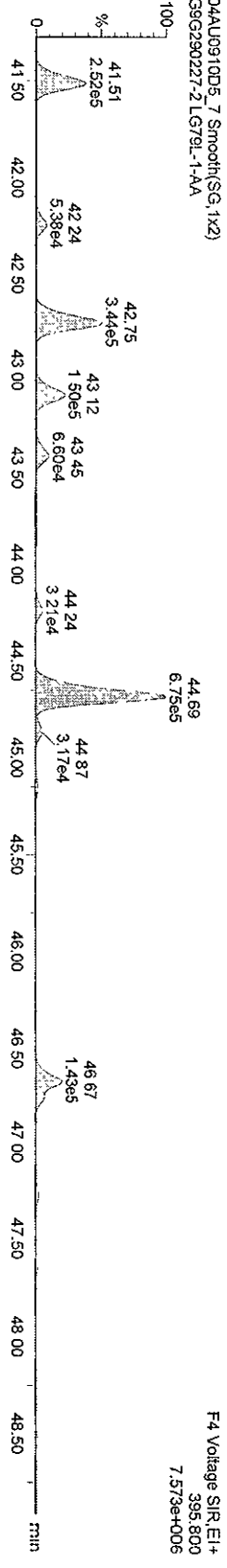
Name: 04AU0910D5\_7, Date: 04-Aug-2009, Time: 20:27:08, ID: LG79L-1-AA, Description: G9G290227-2

HPICBs

04AU0910D5\_7 Smooth(SG,1x2)  
G9G290227-2.LG79L-1-AA

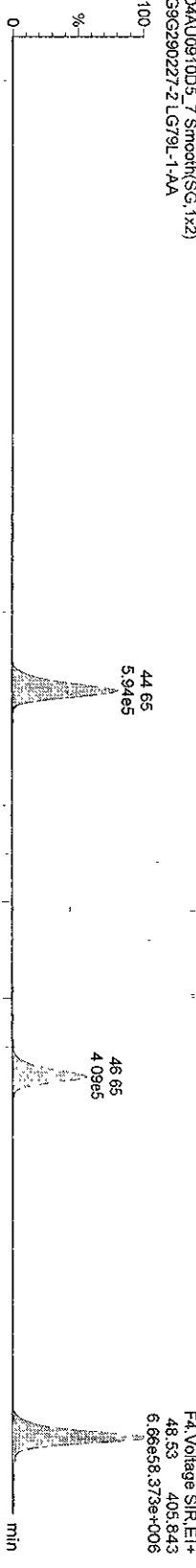


04AU0910D5\_7 Smooth(SG,1x2)  
G9G290227-2.LG79L-1-AA

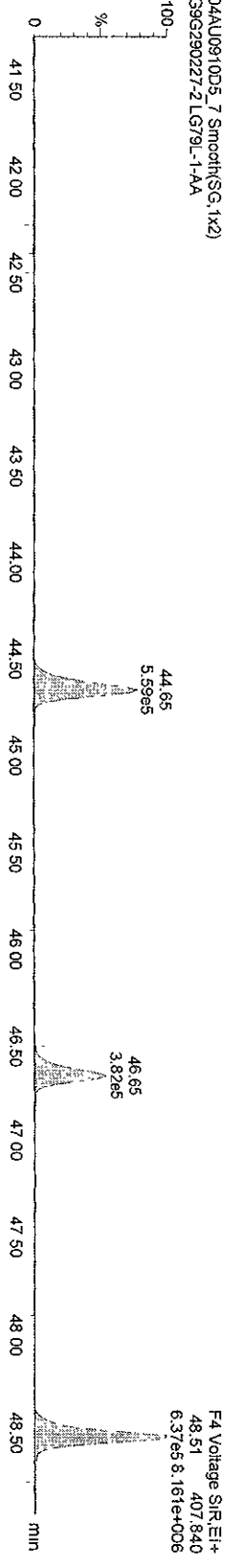


13C-HPICBs

04AU0910D5\_7 Smooth(SG,1x2)  
G9G290227-2.LG79L-1-AA



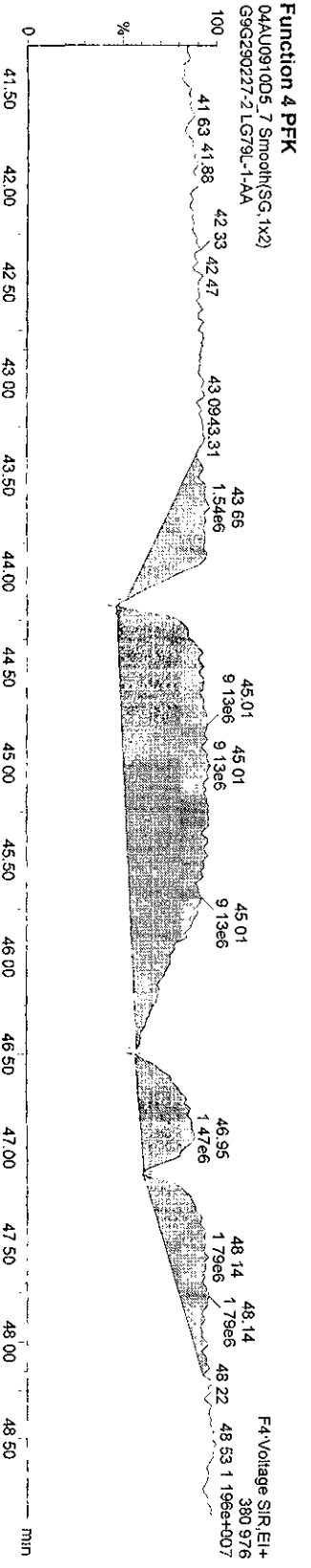
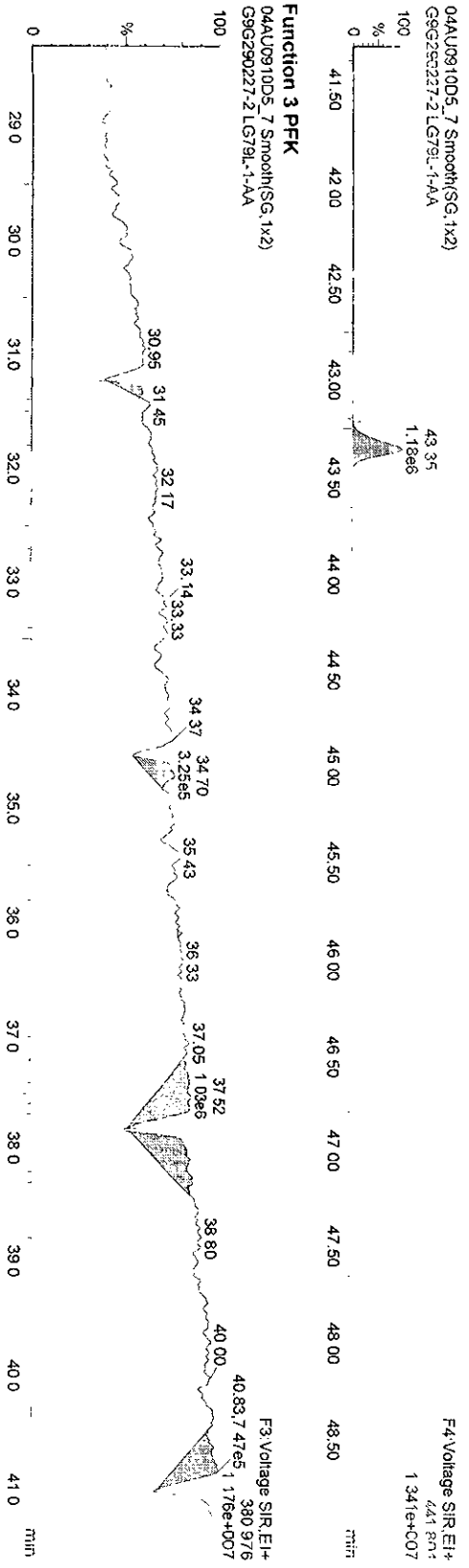
04AU0910D5\_7 Smooth(SG,1x2)  
G9G290227-2.LG79L-1-AA



Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_7, Date: 04-Aug-2009, Time: 20:32:08, ID: LG79L-1-AA, Description: G9G290227-2



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

*AK 8/19/09*

Name: 04AU0910D5\_8, Date: 04-Aug-2009, Time: 21:28:54, ID: LG79N-1-AA, Description: G9G290227-3

# Name	Trace	Sample Size	RT	Prod RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1 13C-PeCB-101	335.924	0.500	32.10	32.13	1.00000		1285316.84	4000 0000	4000 0000	100.0	3.07615	0.63	NO	
2														
3 13C-TeCB-81	301.963	0.500	33.97	34.05	1.03984		1134648.00	3395.8131	3395.8131	84.9	3.22005	0.80	NO	
4 TeCB-81	289.922	0.500			1.45839						3.21735		NO	
5 13C-TeCB-77	301.963	0.500	34.64	34.76	1.10430		1201568.00	3386.1872	3386.1872	84.7	3.03210	0.80	NO	
6 TeCB-77	289.922	0.500	34.67	34.65	1.27061		235282.80	616.4402	616.4402		3.64014	0.76	NO	
7														
8 13C-PeCB-123	335.924	0.500	36.30	36.36	0.99324		1176469.59	3686.1893	3686.1893	92.2	3.09710	0.63	NO	
9 PeCB-123	323.883	0.500	36.35	36.32	1.50539		65912.10	148.8663	148.8663		1.99922	0.62	NO	
10 13C-PeCB-118	335.924	0.500	36.47	36.55	1.02407		1222167.59	3714.0695	3714.0695	92.9	3.00384	0.64	NO	
11 PeCB-118/106	323.883	0.500	36.50	36.48	1.52536		1917498.06	4114.2683	4114.2683		1.93193	0.62	NO	
12 13C-PeCB-114	335.924	0.500	37.24	37.34	1.03691		1282933.50	3850.4647	3850.4647	96.3	2.96666	0.64	NO	
13 PeCB-114	323.883	0.500			1.58603						1.80847		NO	
14 13C-PeCB-105	335.924	0.500	38.29	38.41	0.98151		1273494.81	4037.8744	4037.8744	100.9	3.13411	0.62	NO	
15 PeCB-105/127	323.883	0.500	38.33	38.31	1.43326		739970.38	1621.6273	1621.6273		2.06288	0.62	NO	
16 13C-PeCB-126	335.924	0.500	40.59	40.76	1.02999		1527699.81	4615.8938	4615.8938	115.4	2.98659	0.63	NO	
17 PeCB-126	323.883	0.500			1.15582						2.12181		NO	
18														
19 13C-OcCB-202	439.804	0.500	43.35	43.51	1.00000		2094228.19	4000 0000	4000 0000	100.0	1.02351	0.89	NO	
20														
21 13C-HXCB-167	371.882	0.500	41.94	41.95	1.00247		1831073.25	3488.7666	3488.7666	87.2	1.78229	1.28	NO	
22 HXCB-167	359.841	0.500	41.96	41.98	1.34796		63700.08	103.2326	103.2326		1.27030	1.11	NO	
23 13C-HXCB-156	371.882	0.500	43.51	43.53	0.78510		1533551.88	3730.8447	3730.8447	93.3	2.27573	1.29	NO	
24 HXCB-156	359.841	0.500	43.52	43.54	1.68840		120686.95	186.4429	186.4429		1.24091	1.28	NO	
25 13C-HXCB-157	371.882	0.500	43.88	43.91	0.83526		1641037.06	3752.5819	3752.5819	93.8	2.13907	1.28	NO	
26 HXCB-157	359.841	0.500	43.91	43.90	1.65965		27340.51	40.1543	40.1543		1.17150	1.29	NO	
27 13C-HXCB-169	371.882	0.500	46.11	46.16	0.87128		1375712.38	3015.8313	3015.8313	75.4	2.05065	1.29	NO	
28 HXCB-169	359.841	0.500			1.09832						2.08913		NO	
29														
30 13C-HpCB-180	405.843	0.500	44.66	44.67	0.68403		1251343.38	3494.1297	3494.1297	87.4	1.26755	1.05	NO	
31 HpCB-180	393.803	0.500	44.69	44.69	1.30035		935224.66	2298.9986	2298.9986		1.25439	1.04	NO	
32 13C-HpCB-170	405.843	0.500	46.65	46.68	0.54773		1003184.28	3498.2317	3498.2317	87.5	1.58296	1.05	NO	
33 HpCB-170	393.803	0.500	46.67	46.67	1.61501		183136.24	452.1461	452.1461		1.19500	1.04	NO	
34 13C-HpCB-189	405.843	0.500	48.53	48.53	0.69767		1440714.63	3944.2484	3944.2484	98.6	1.24277	1.05	NO	
35 HpCB-189	393.803	0.500			1.23073						1.03554		NO	

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

Name: 04AU0910D5\_8, Date: 04-Aug-2009, Time: 21:28:54, ID: LG79N-1-AA, Description: G9G290227-3

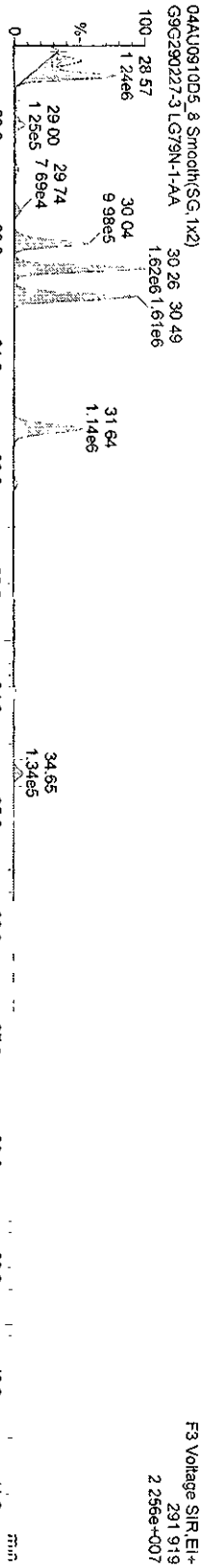
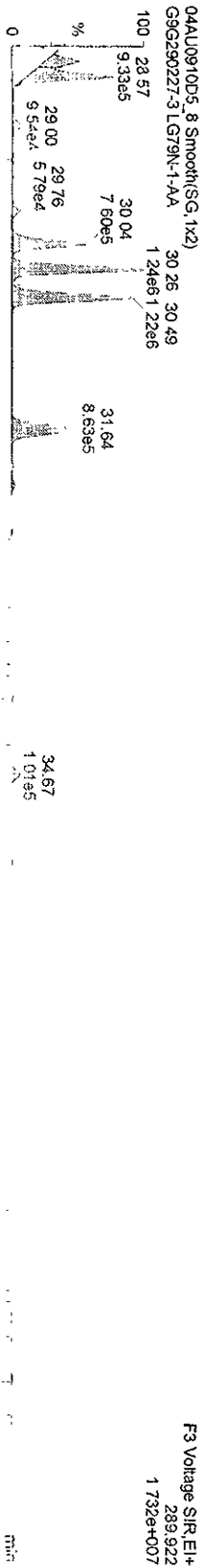
#	Name	Trace	Sample Size	RT	Ptd RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36														
37	13C-PeCB-111		0.500	33.83	33.67	1.30475	1148628.13	2715.9528		67.9	2.60398	0.63	NO	
38														
39	Function 3 PFK		1.000	380.976										
40	Function 4 PFK		1.000	380.976										

Dataset: C:\MassLynx\Default\proj\04AU0910D51668MSL.qld

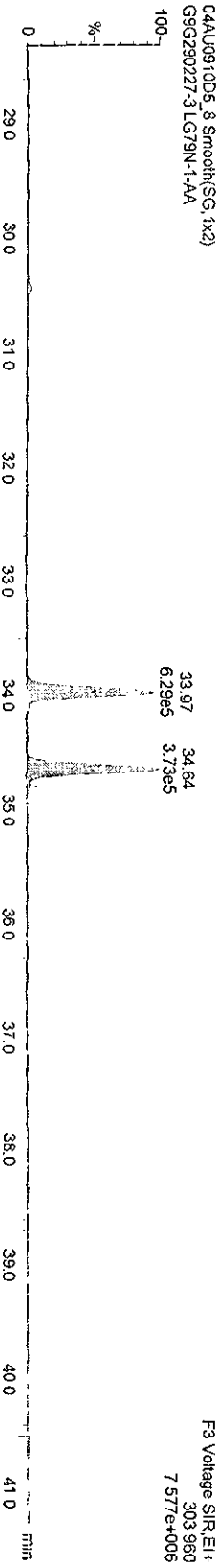
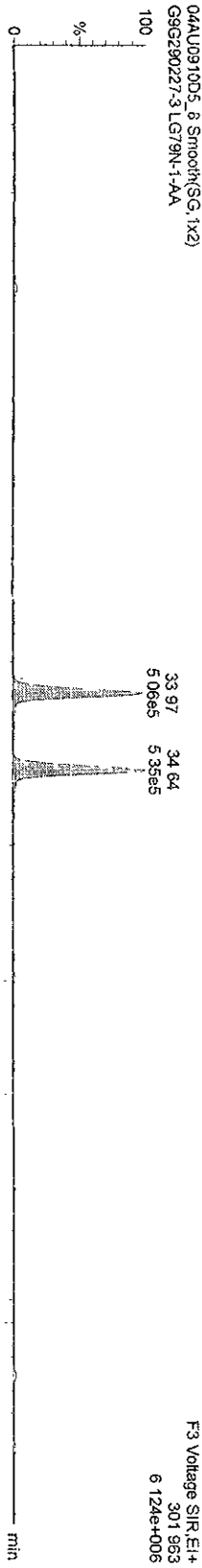
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_8, Date: 04-Aug-2009, Time: 21:28:54, ID: LG79N-1-AA, Description: G9G290227-3

**TetraPCBs**



**13C-TetrasPCBs**

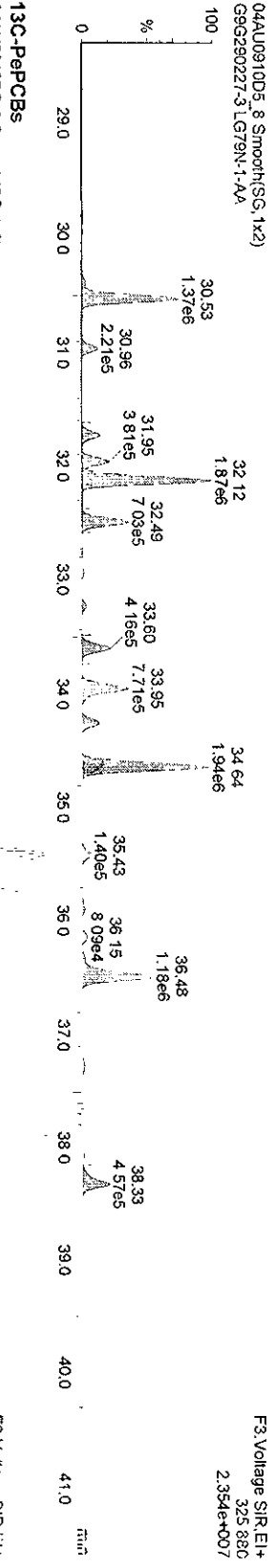
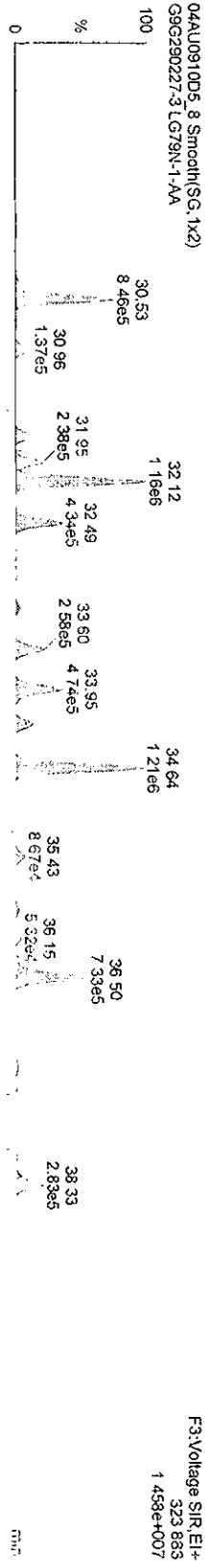


Dataset: C:\MassLynx\Default\04AU0910D5\1668MSL.qid

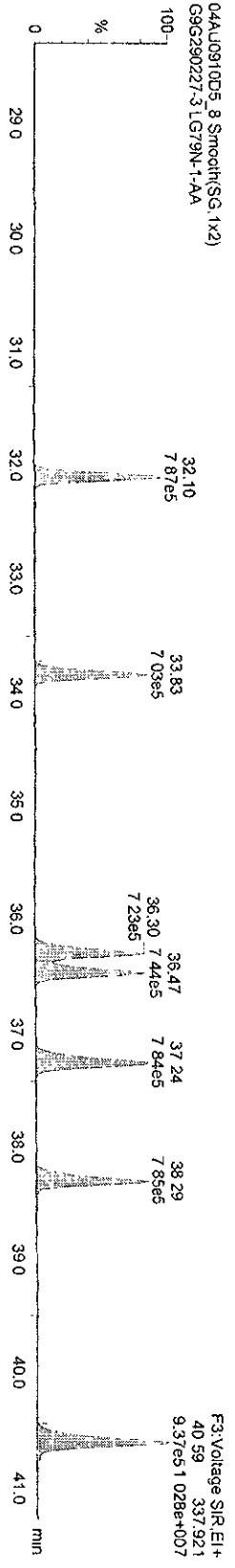
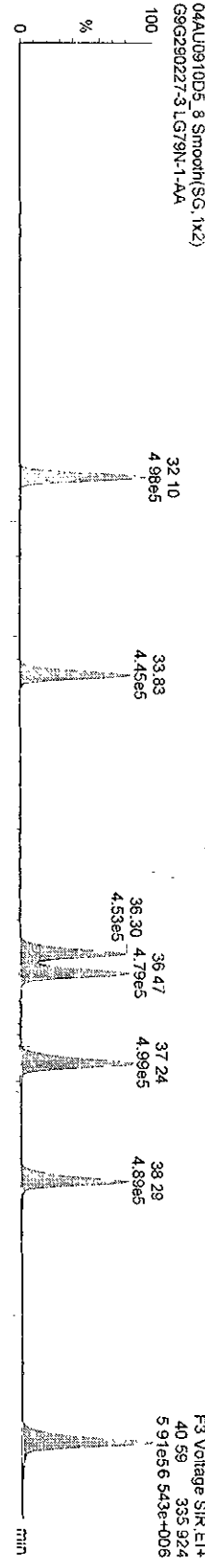
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_8, Date: 04-Aug-2009, Time: 21:28:54, ID: LG79N-1-AA, Description: G9G290227-3

**PePCBs**



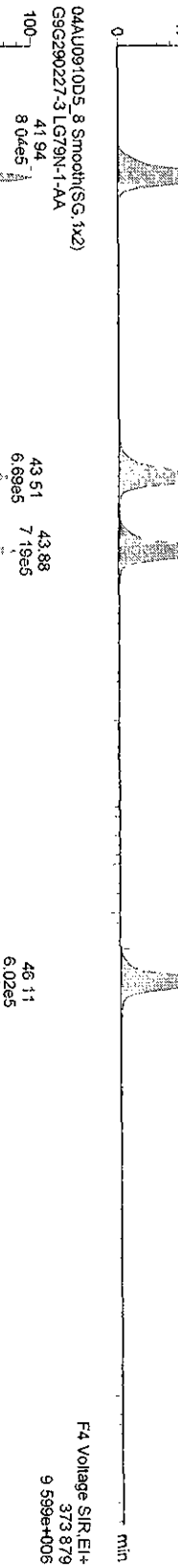
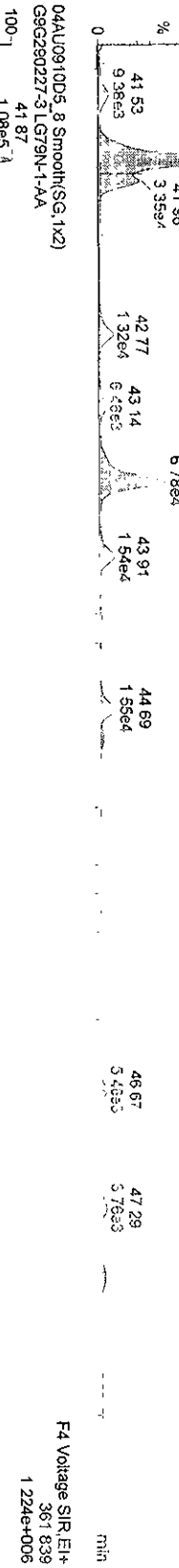
**13C-PePCBs**





Dataset: C:\MassLynx\Default pro\04AU0910D51668MSL.qid  
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_8, Date: 04-Aug-2009, Time: 21:28:54, ID: LG79N-1-AA, Description: G9G290227-3



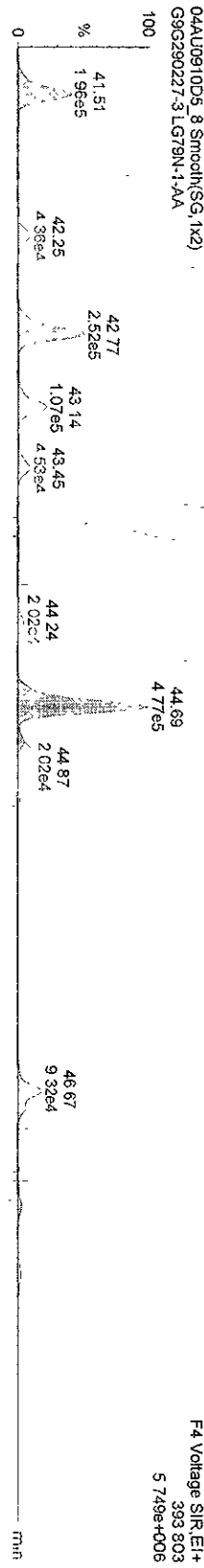
Dataset C:\MassLynx\Default\proj\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

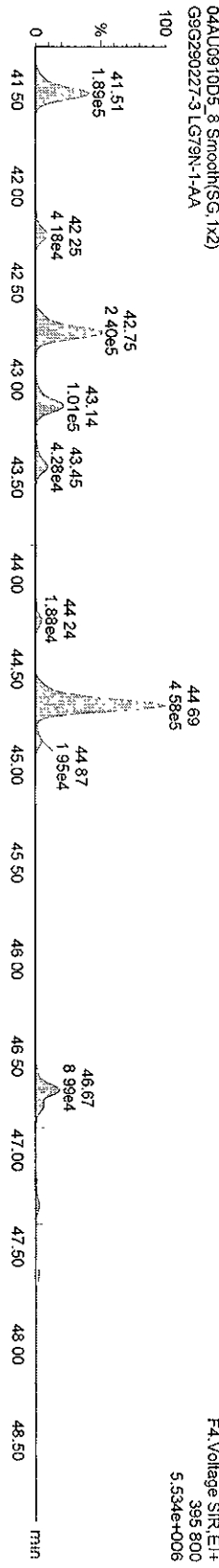
Name: 04AU0910D5\_8, Date: 04-Aug-2009, Time: 21:28:54, ID: LG79N-1-AA, Description: G9G290227-3

HPGCBS

04AU0910D5\_8 Smooth(SG, 1x2)  
G9G290227-3.LG79N-1-AA

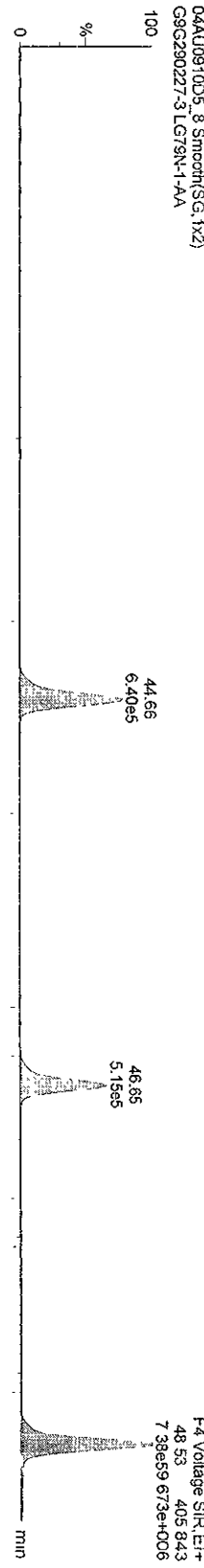


04AU0910D5\_8 Smooth(SG, 1x2)  
G9G290227-3.LG79N-1-AA

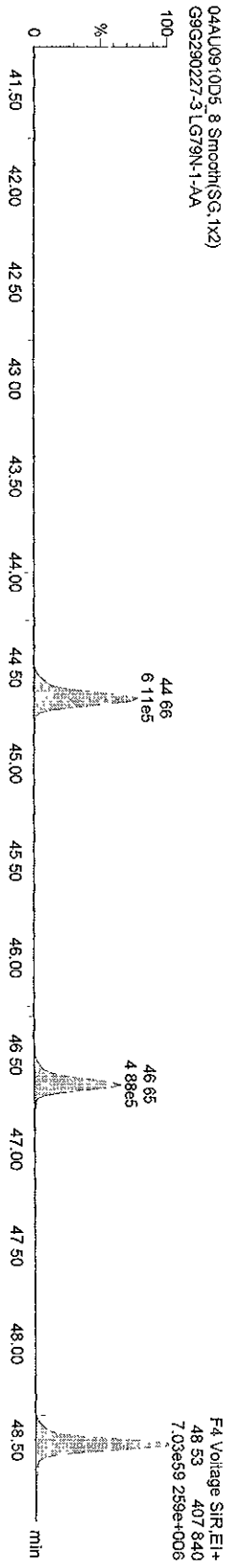


13C-HPGCBS

04AU0910D5\_8 Smooth(SG, 1x2)  
G9G290227-3.LG79N-1-AA



04AU0910D5\_8 Smooth(SG, 1x2)  
G9G290227-3.LG79N-1-AA

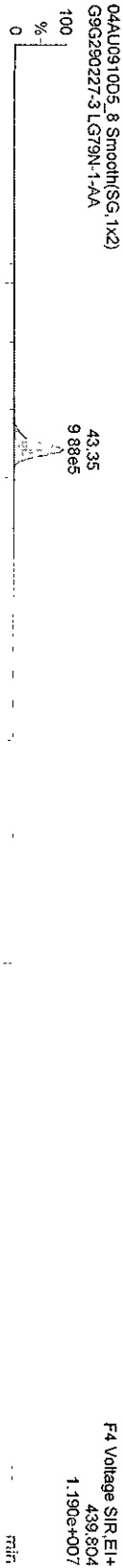


Dataset C:\MassLynx\Default\pro04AU0910D51668MSL.qld

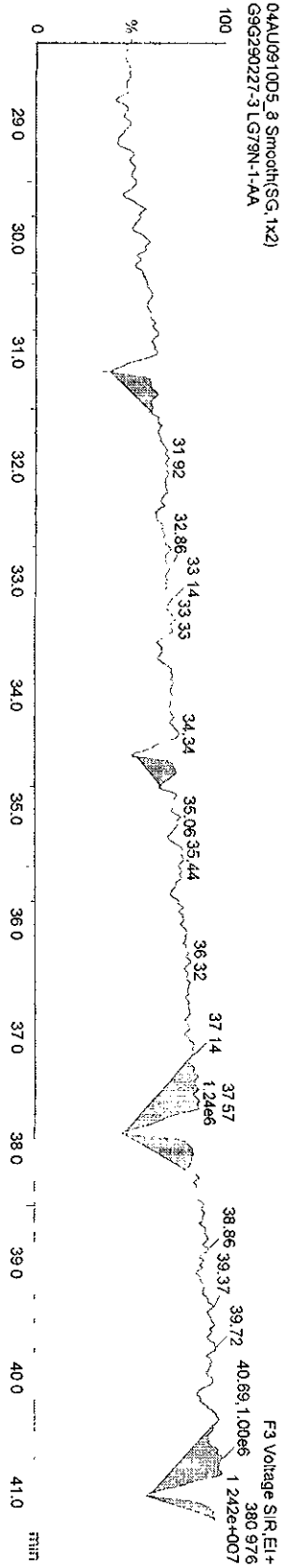
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_8, Date: 04-Aug-2009, Time: 21:28:54, ID: LG79N-1-AA, Description: G9G290227-3

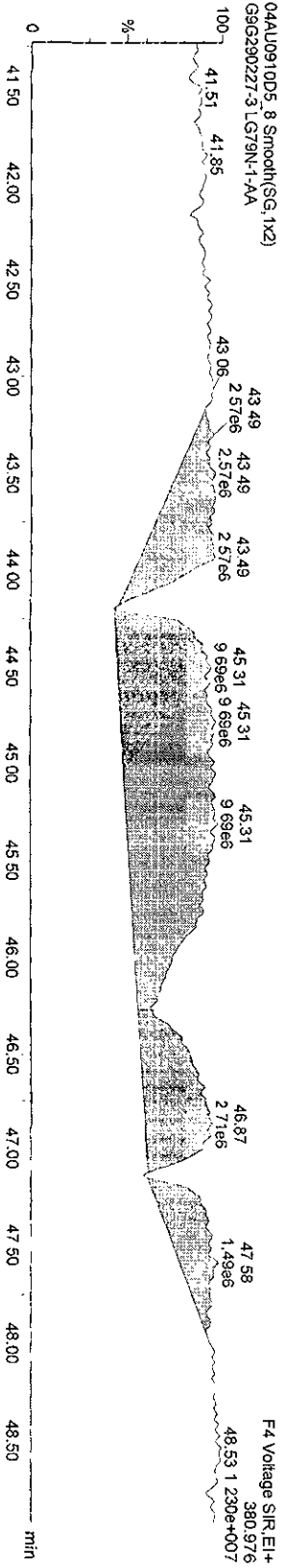
**13C-OCGB-202**



**Function 3 PFK**



**Function 4 PFK**



Quantity Sample Summary Report MassLynx 4.1

Dataset: X:\ATG\10D5\04AU0910D51668MSLak.qld

Last Altered: Wednesday, August 19, 2009 10:24:06 Pacific Daylight Time  
 Printed: Wednesday, August 19, 2009 10:29:54 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Method\1668MSL10DB5.mdb 05 Aug 2009 09:10:07  
 Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Name: 04AU0910D5\_9, Date: 04-Aug-2009, Time: 22:25:41, ID: LG79P-1-AA, Description: G9G290227-4, Task: ICA0430200910D5PCBS

*AV 8/19/09*

#	Name	Trace	Sample Size	RT	Prd	RT	RRF	M...	Abs. Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio
1	13C-PeCB-101	335.924	0.500	32.22	32.13	1.000			1159222.28	4000.0000	4000.0000	100.0	3.3486		0.632	NO
2																
3	13C-TeCB-81	301.963	0.500	34.07	34.17	1.040			1032650.84	3426.7279	3426.7279	85.7	4.8685		0.797	NO
4	TeCB-81	289.922	0.500		34.08	1.458							4.1769			NO
5	13C-TeCB-77	301.963	0.500	34.74	34.87	1.104			1111924.91	3474.4139	3474.4139	86.9	4.5843		0.806	NO
6	TeCB-77	289.922	0.500	34.75	34.75	1.271			295128.20	835.5729	835.5729		4.4724		0.767	NO
7																
8	13C-PeCB-123	335.924	0.500	36.36	36.50	0.993			1102256.06	3829.3310	3829.3310	95.7	3.3714	19-Aug-09	0.636	NO
9	PeCB-123	323.883	0.500	36.40	36.38	1.505			84707.37	204.1976	204.1976		2.2093		0.605	NO
10	13C-PeCB-118	335.924	0.500	36.53	36.67	1.024			1110566.78	3742.0313	3742.0313	93.6	3.2699		0.634	NO
11	PeCB-118/106	323.883	0.500	36.55	36.55	1.525			2005834.63	4736.2965	4736.2965		2.1108		0.620	NO
12	13C-PeCB-114	335.924	0.500	37.30	37.46	1.037			1184680.16	3942.3356	3942.3356	98.6	3.2294		0.631	NO
13	PeCB-114	323.883	0.500		37.32	1.586							1.9256			NO
14	13C-PeCB-105	335.924	0.500	38.34	38.53	0.982			1160977.47	4081.5291	4081.5291	102.0	3.4117		0.630	NO
15	PeCB-105/127	323.883	0.500	38.36	38.36	1.433			855513.75	2056.5397	2056.5397		2.2220		0.620	NO
16	13C-PeCB-126	335.924	0.500	40.64	40.88	1.030			1425271.06	4774.8390	4774.8390	119.4	3.2511		0.621	NO
17	PeCB-126	323.883	0.500		40.67	1.156							2.4090			NO
18																
19	13C-OcCB-202	439.804	0.500	43.38	43.51	1.000			2026858.56	4000.0000	4000.0000	100.0	1.0541		0.891	NO
20																
21	13C-HxCB-167	371.882	0.500	41.97	41.97	1.002			1674668.25	3296.8223	3296.8223	82.4	1.9199		1.277	NO
22	HxCB-167	359.841	0.500	42.01	42.01	1.348			63423.49	112.3838	98.3555		1.6949		0.940	YES
23	13C-HxCB-156	371.882	0.500	43.54	43.56	0.785			1422314.06	3575.2363	3575.2363	89.4	2.4515		1.286	NO
24	HxCB-156	359.841	0.500	43.56	43.57	1.688			130285.38	217.0122	217.0122		1.6344		1.302	NO
25	13C-HxCB-157	371.882	0.500	43.91	43.94	0.835			1536596.86	3630.5490	3630.5490	90.8	2.3042		1.278	NO
26	HxCB-157	359.841	0.500	43.94	43.93	1.660			28884.70	45.3056	45.3056		1.5124		1.357	NO
27	13C-HxCB-169	371.882	0.500	46.14	46.19	0.871			1335234.25	3024.3874	3024.3874	75.6	2.2090		1.297	NO
28	HxCB-169	359.841	0.500		46.17	1.098							2.5977			NO
29																
30	13C-HpCB-180	405.843	0.500	44.69	44.70	0.684			1170904.56	3378.1940	3378.1940	84.5	1.1862		1.051	NO
31	HpCB-180	393.803	0.500	44.72	44.72	1.300			977885.38	2569.0095	2569.0095		1.8645		1.043	NO

Dataset: X:\ATG\10D5\04AU0910D51668MSLak.qtd

Last Altered: Wednesday, August 19, 2009 10:24:06 Pacific Daylight Time  
 Printed: Wednesday, August 19, 2009 10:29:54 Pacific Daylight Time

Name: 04AU0910D5\_9, Date: 04-Aug-2009, Time: 22:25:41, ID: LG79P-1-AA, Description: G9G290227-4, Task: ICA0430200910D5PCBS

# Name	Trace	Sample Size	RT	Ptd RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio
32 13C-HpCB-170	405.843	0.500	46.68	46.71	0.548	931408.63	3355.8973	3355.8973 N/A	83.9	1.4814		1.057	NO
33 HpCB-170	393.803	0.500	46.72	46.70	1.615	210321.82	559.2799	559.2799		1.8161		1.040	NO
34 13C-HpCB-189	405.843	0.500	48.54	48.56	0.698	1391522.81	3936.2002	3936.2002	98.4	1.1631		1.029	NO
35 HpCB-189	393.803	0.500			1.231					1.4680			NO
36													
37 13C-PeCB-111	335.924	0.500	33.93	33.67	1.305	1102401.84	2824.0310		70.6	2.6303		0.625	NO
38													
39 Furonon 3 PFK	380.576	1.000											
40 Function 4 PFK	380.976	1.000											

Quantity Sample Summary Report Masslynx 4.1

Dataset: C:\Masslynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

Name: 04AU0910D5\_9, Date: 04-Aug-2009, Time: 22:25:41, ID: LG79P-1-AA, Description: G9G290227-4

# Name	Trace	Sample Size	RT	Prod.RT	RRF	M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	0.500	32.22	32.13	1.00000		1159222.28	4000.0000	4000.0000	100.0	3.34860	0.63	NO	
2														
3 13C-TeCB-81	301.963	0.500	34.07	34.17	1.03984		1032650.84	3426.7279	3426.7279	85.7	4.86849	0.80	NO	
4 TeCB-81	289.922	0.500		34.08	1.45839						4.17689		NO	
5 13C-TeCB-77	301.963	0.500	34.74	34.87	1.10430		1111924.91	3474.4139	3474.4139	86.9	4.58432	0.81	NO	
6 TeCB-77	289.922	0.500		34.75	1.27061		295128.20	835.5729	835.5729		4.47244	0.77	NO	
7														
8 13C-PeCB-123	335.924	0.500	36.53	36.50	0.99324		1110566.78	3858.2031	3858.2031	96.5	3.37140	0.63	NO	
9 PeCB-123	323.883	0.500	36.55	36.55	1.50539		2005834.63	4799.1285	4799.1285		2.13880	0.62	NO	
10 13C-PeCB-118	335.924	0.500	36.53	36.67	1.02407		1110566.78	3742.0313	3742.0313	93.6	3.26989	0.63	NO	
11 PeCB-118/106	323.883	0.500	36.40	36.55	1.52536		84707.37	200.0161	200.0161		2.11080	0.61	NO	
12 13C-PeCB-114	335.924	0.500	37.30	37.45	1.03691		1184680.16	3942.3356	3942.3356	98.6	3.22940	0.63	NO	
13 PeCB-114	323.883	0.500		37.32	1.58603						1.92563		NO	
14 13C-PeCB-105	335.924	0.500	38.34	38.53	0.98151		1160977.47	4081.5291	4081.5291	102.0	3.41168	0.63	NO	
15 PeCB-105/127	323.883	0.500	38.36	38.36	1.43326		855513.75	2056.5397	2056.5397		2.22200	0.62	NO	
16 13C-PeCB-126	335.924	0.500	40.64	40.88	1.02999		1425271.06	4774.8390	4774.8390	119.4	3.25111	0.62	NO	
17 PeCB-126	323.883	0.500		40.67	1.15582						2.40903		NO	
18														
19 13C-OcCB-202	439.804	0.500	43.38	43.51	1.00000		2026858.56	4000.0000	4000.0000	100.0	1.05408	0.89	NO	
20														
21 13C-HXCB-167	371.882	0.500	41.98	41.98	1.00247		1674668.25	3296.8223	3296.8223	82.4	1.91991	1.28	NO	
22 HXCB-167	359.841	0.500	42.01	42.01	1.34796		63423.49	112.3838	98.3555		1.69490	0.94	YES	
23 13C-HXCB-156	371.882	0.500	43.54	43.56	0.78510		1422314.06	3575.2363	3575.2363	89.4	2.45146	1.29	NO	
24 HXCB-156	359.841	0.500	43.55	43.57	1.68840		130285.38	217.0122	217.0122		1.63437	1.30	NO	
25 13C-HXCB-157	371.882	0.500	43.91	43.94	0.83526		1536596.88	3630.5490	3630.5490	90.8	2.30424	1.28	NO	
26 HXCB-157	359.841	0.500	43.94	43.93	1.65965		28884.70	45.3056	45.3056		1.51239	1.36	NO	
27 13C-HXCB-169	371.882	0.500	46.14	46.19	0.87128		1335234.25	3024.3874	3024.3874	75.6	2.20900	1.30	NO	
28 HXCB-169	359.841	0.500		46.17	1.03632						2.59775		NO	
29														
30 13C-HpCB-180	405.843	0.500	44.69	44.70	0.68403		1170904.56	3378.1940	3378.1940	84.5	1.18625	1.05	NO	
31 HpCB-180	393.803	0.500	44.72	44.72	1.30035		977885.38	2569.0095	2569.0095		1.86450	1.04	NO	
32 13C-HpCB-170	405.843	0.500	46.68	46.71	0.54773		931408.63	3355.8973	3355.8973	83.9	1.48143	1.06	NO	
33 HpCB-170	393.803	0.500	46.71	46.70	1.61501		210321.82	559.2799	559.2799		1.81615	1.04	NO	
34 13C-HpCB-189	405.843	0.500	48.54	48.56	0.69767		1391522.81	3936.2002	3936.2002	98.4	1.16305	1.03	NO	
35 HpCB-189	393.803	0.500		48.57	1.23073						1.46799		NO	

Quantity Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

Name: 04AU0910D5\_9, Date: 04-Aug-2009, Time: 22:25:41, ID: LG79P-1-AA, Description: G9G290227-4

#	Name	Trace	Sample Size	RI	Ptd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl	Mod Date
36															
37	13C-PeCB-111		0.500	33.93	33.67	1.30475		1102401.84			70.5	2.61382	0.62	NO	
38															
39	Function 3 PFK		1.000												
40	Function 4 PFK		1.000												

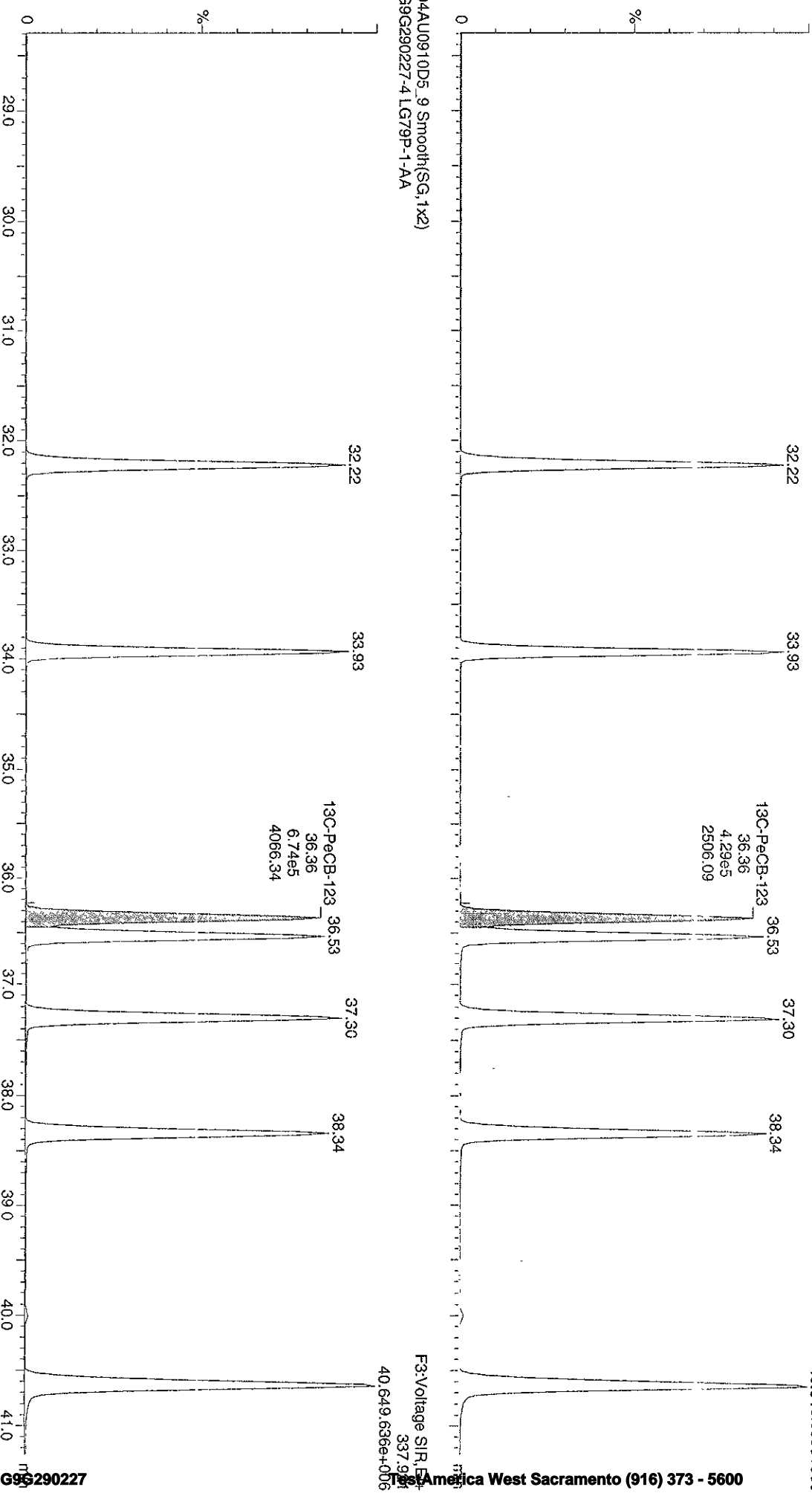
Dataset: X:\ATG\10D5\04AU0910D51668MSL.ak.qld

Last Altered: Wednesday, August 19, 2009 10:24:06 Pacific Daylight Time  
Printed: Wednesday, August 19, 2009 10:28:15 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Aug 2009 09:10:07  
Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Sample Name: 04AU0910D5\_9

04AU0910D5\_9 Smooth(SG,1x2)  
G9G290227-4 LG79P-1-AA





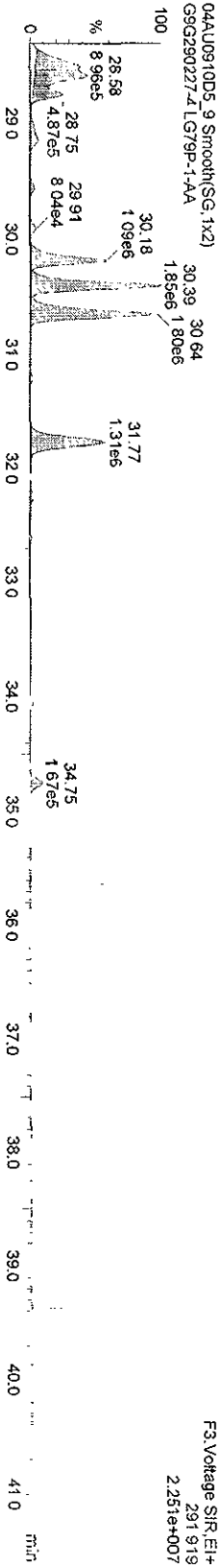
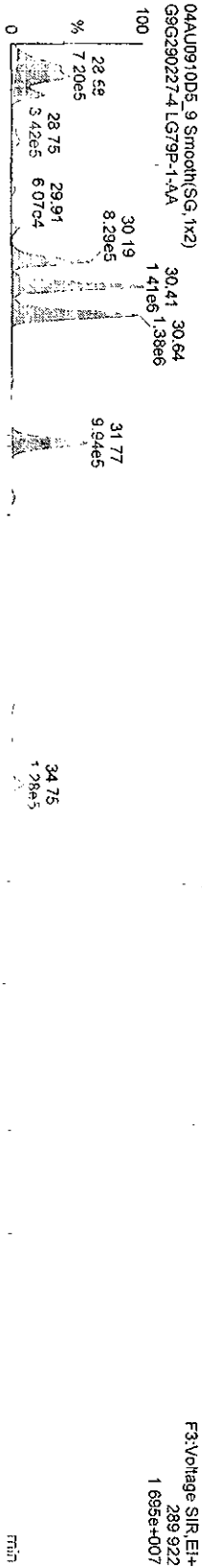
Dataset: C:\MassLynx\Default\pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time

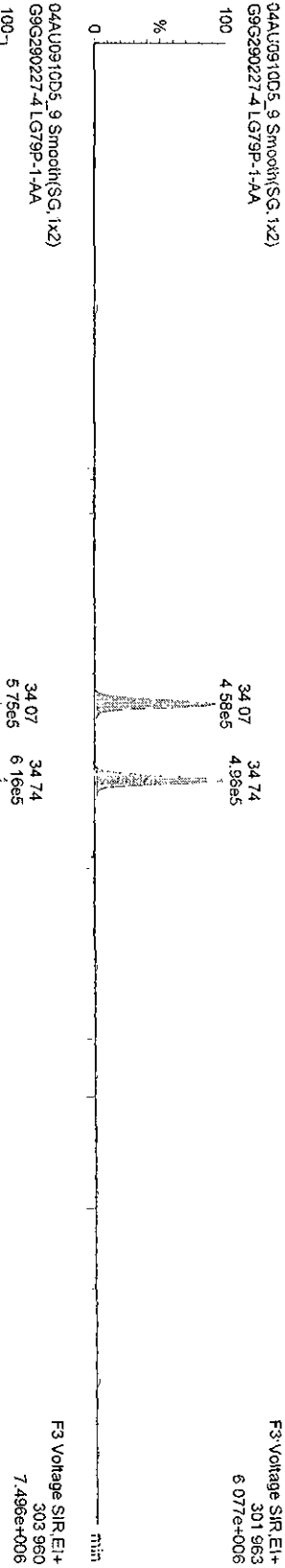
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_9, Date: 04-Aug-2009, Time: 22:25:41, ID: LG79P-1-AA, Description: G9G290227-4

TetraPCBs



13C-TetrasPCBs

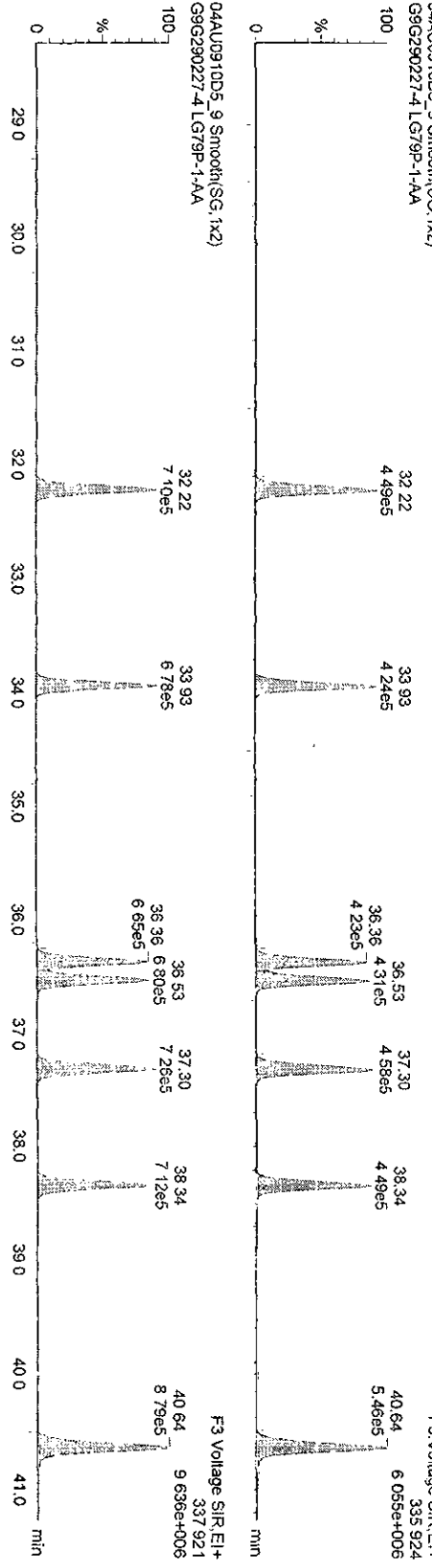
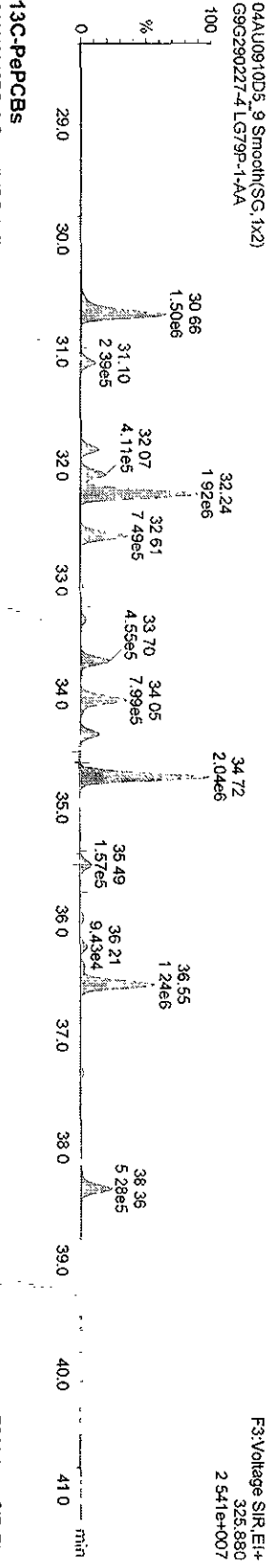
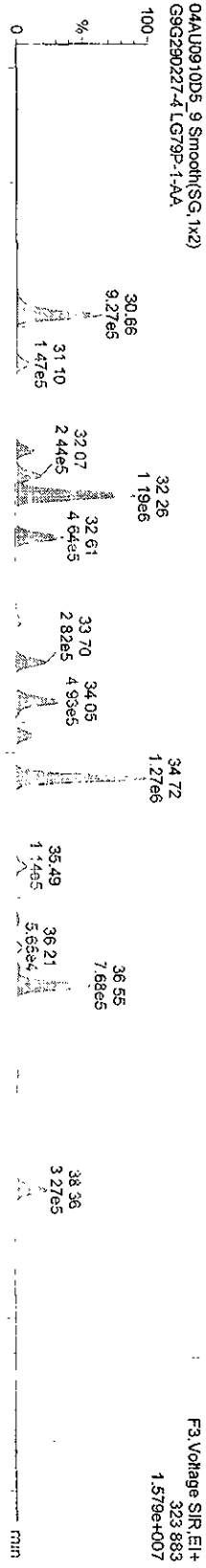


Dataset: C:\Masslynx\Default\proj\04AU0910D51668MSL.qtd

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_9, Date: 04-Aug-2009, Time: 22:25:41, ID: LG79P-1-AA, Description: G9G290227-4

PePCBs



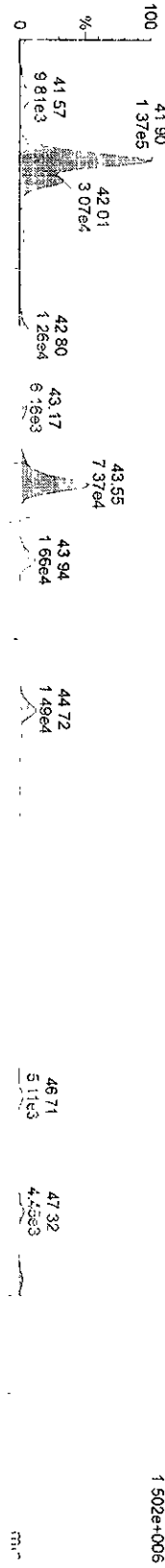
Dataset C:\MassLynx\Default\proj\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

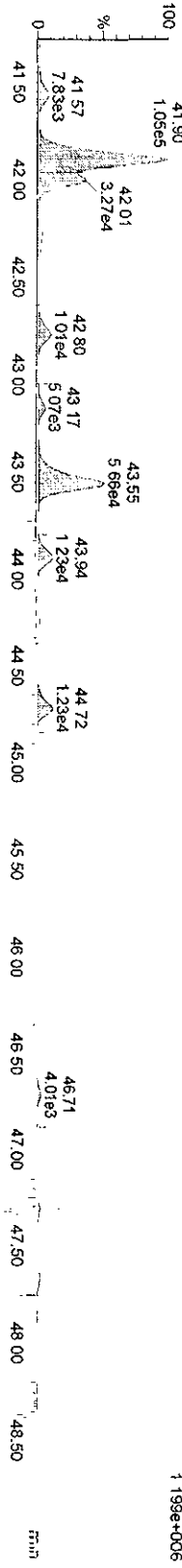
Name: 04AU0910D5\_9, Date: 04-Aug-2009, Time: 22:25:41, ID: LG79F-1-AA, Description: G9G290227-4

HPCBs-

04AU0910D5\_9 Smooth(SG,1x2)  
G9G290227-4 LG79F-1-AA

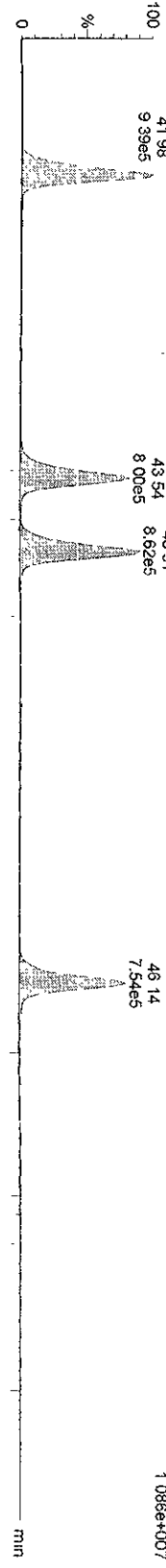


04AU0910D5\_9 Smooth(SG,1x2)  
G9G290227-4 LG79F-1-AA

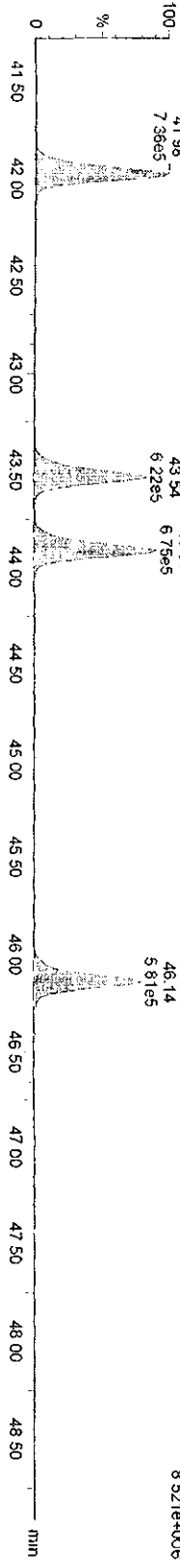


13C-HPCBs

04AU0910D5\_9 Smooth(SG,1x2)  
G9G290227-4 LG79F-1-AA



04AU0910D5\_9 Smooth(SG,1x2)  
G9G290227-4 LG79F-1-AA

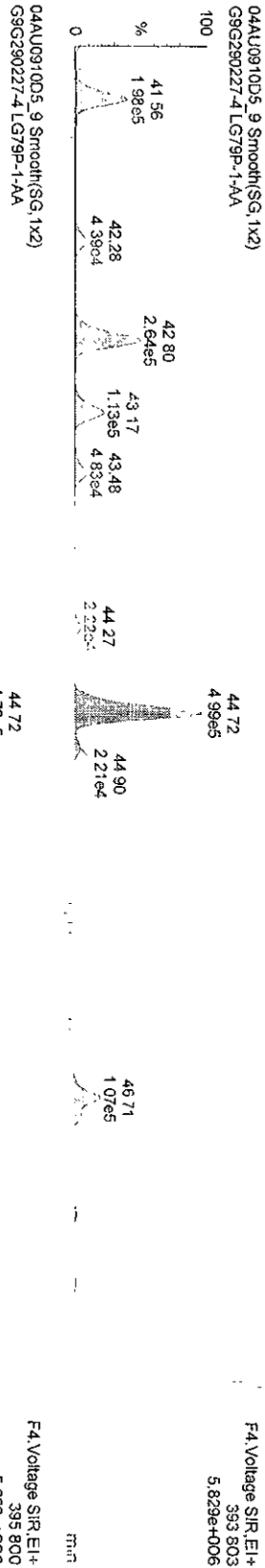


Dataset: C:\MassLynx\Default\proj\04\AU0910D5\1668MSL.qid

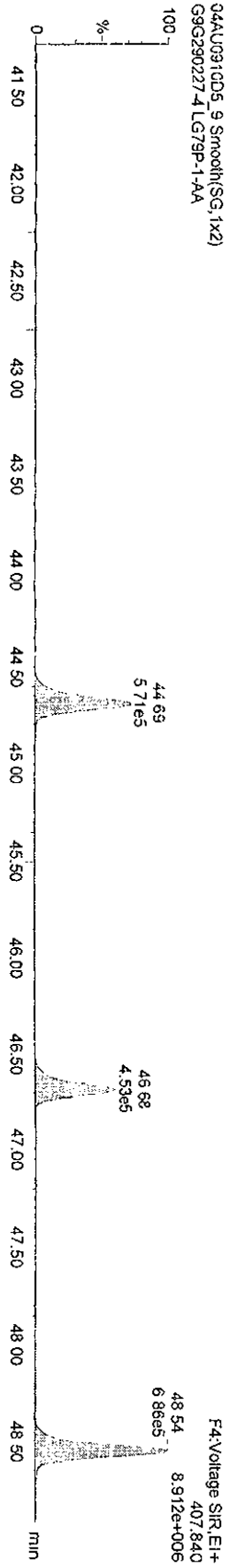
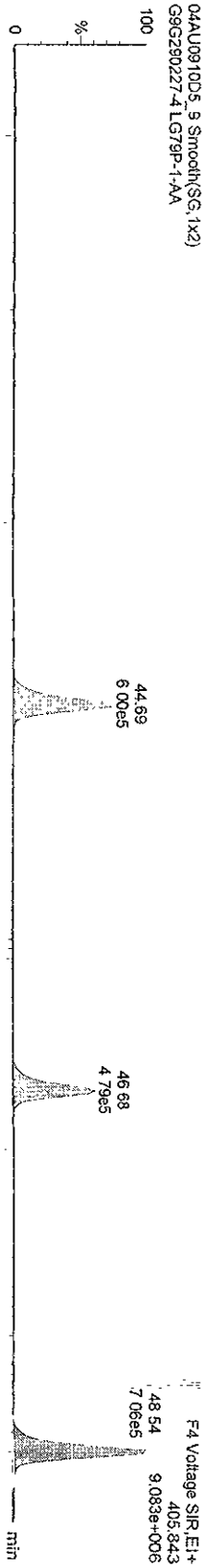
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_9, Date: 04-Aug-2009, Time: 22:25:41, ID: LG79P-1-AA, Description: G9G290227-4

HPPCBs



13C-HPPCBs

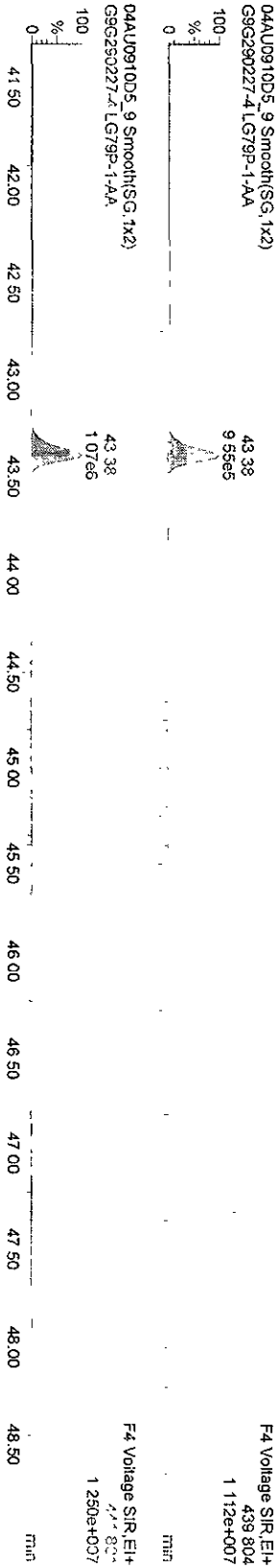


Dataset: C:\MassLynx\Default\pro\04AU0910D51668MSL.qld

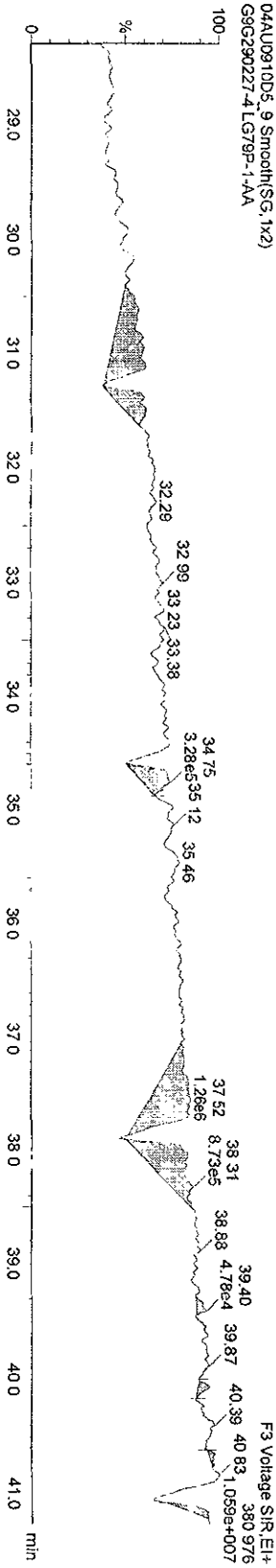
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_9, Date: 04-Aug-2009, Time: 22:25:41, ID: LG79P-1-AA, Description: G9G290227-4

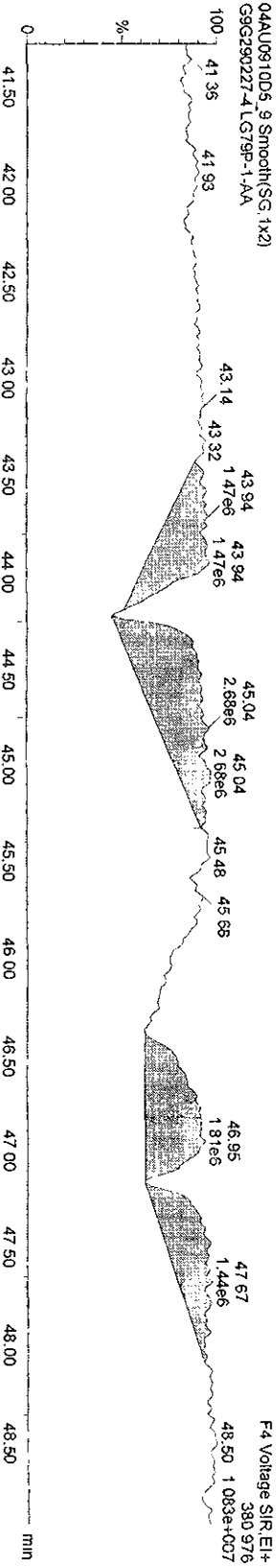
13C-OcCB-202



Function 3 PFK



Function 4 PFK



Quantity Sample Summary Report MassLynx 4.1

Dataset: X:\ATG\10D5\04AU0910D51668MSLak.qld  
 Last Altered: Wednesday, August 19, 2009 10:33:44 Pacific Daylight Time  
 Printed: Wednesday, August 19, 2009 10:34:51 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Method\1668MSL10DB5.mdb 05 Aug 2009 09:10:07  
 Calibration: C:\MassLynx\Default.pro\Curved\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

*AK 8/19/09*

Name: 04AU0910D5\_10, Date: 04-Aug-2009, Time: 23:22:32, ID: LG796-1-AA, Description: G9G290227-5, Task: ICA0430200910D5PCBS

#	Name	Trace	Sample Size	RT	Prd	RT	RRF	M...	Abs.Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio ...
1	13C-PeCB-101	335.924	0.500	31.92	32.13	1.000			2297312.63	4000.0000	4000.0000	100.0	1.7440		0.639	NO
2																
3	13C-TeCB-81	301.963	0.500	33.83	33.87	1.040			1539002.44	2576.9859	2576.9859	64.4	1.8178		0.793	NO
4	TeCB-81	289.922	0.500	33.85	33.85	1.458							1.0714			NO
5	13C-TeCB-77	301.963	0.500	34.54	34.57	1.104			1636906.44	2580.9352	2580.9352	64.5	1.7117		0.804	NO
6	TeCB-77	289.922	0.500	34.55	34.55	1.271							1.2359			NO
7																
8	13C-PeCB-123	335.924	0.500	36.20	36.20	0.993			1502659.44	2634.1930	2634.1930	65.9	1.7559		0.616	NO
9	PeCB-123	323.883	0.500	36.21	36.21	1.505							0.8851	19-Aug-09	0.000	YES
10	13C-PeCB-118	335.924	0.500	36.36	36.36	1.024			1529494.94	2600.5033	2600.5033	65.0	1.7030		0.628	NO
11	PeCB-118/106	323.883	0.500	36.38	36.38	1.525			9377.37	16.0776	16.0776		0.8750	19-Aug-09	0.644	NO
12	13C-PeCB-114	335.924	0.500	37.15	37.15	1.037			1597752.63	2682.9257	2682.9257	67.1	1.6819		0.636	NO
13	PeCB-114	323.883	0.500	37.17	37.17	1.586							0.7901			NO
14	13C-PeCB-105	335.924	0.500	38.21	38.23	0.992			1592522.44	2718.6454	2718.6454	68.0	1.7768		0.628	NO
15	PeCB-105/127	323.883	0.500	38.26	38.23	1.433			3364.49	6.1270	6.1270		0.9522		0.642	NO
16	13C-PeCB-126	335.924	0.500	40.54	40.57	1.030			1685790.44	2849.7809	2849.7809	71.2	1.6932		0.628	NO
17	PeCB-126	323.883	0.500	40.57	40.57	1.156							1.0548			NO
18																
19	13C-OcCB-202	439.804	0.500	43.32	43.51	1.000			2324720.75	4000.0000	4000.0000	100.0	1.0030		0.902	NO
20																
21	13C-HxCB-167	371.882	0.500	41.90	41.91	1.002			1865504.50	3201.9585	3201.9585	80.0	2.0036		1.278	NO
22	HxCB-167	359.841	0.500	41.82	41.93	1.348			767.37	1.2207	0.7318		1.0619		2.736	YES
23	13C-HxCB-156	371.882	0.500	43.48	43.49	0.785			1494035.44	3252.4166	3252.4166	81.3	2.5583		1.281	NO
24	HxCB-156	359.841	0.500	43.49	43.51	1.688			788.74	1.2591	1.1274		1.0713		1.502	YES
25	13C-HxCB-157	371.882	0.500	43.65	43.66	0.855			1577935.56	3250.5303	3250.5303	81.3	2.4047		1.263	NO
26	HxCB-157	359.841	0.500	43.86	43.86	1.660							1.0243			NO
27	13C-HxCB-169	371.882	0.500	46.10	46.13	0.871			1320390.38	2607.5639	2607.5639	65.2	2.3053		1.281	NO
28	HxCB-169	359.841	0.500	46.13	46.13	1.098							1.8087			NO
29																
30	13C-HPCB-180	405.843	0.500	44.64	44.64	0.684			1242160.25	3124.5923	3124.5923	78.1	1.2681		1.047	NO
31	HPCB-180	393.803	0.500	44.65	44.67	1.300			4046.12	10.0173	10.0173		1.1785		0.920	NO

Dataset: X:\ATG\10D5\04AU0910D51668M\Slak.qld

Last Altered: Wednesday, August 19, 2009 10:33:44 Pacific Daylight Time  
 Printed: Wednesday, August 19, 2009 10:34:51 Pacific Daylight Time

Name: 04AU0910D5\_10, Date: 04-Aug-2009, Time: 23:22:32, ID: LG79G-1-AA, Description: G9G290227-5, Task: ICA0430200910D5PCBS

# Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs. Resp	pg	EMPC	%Rec	EDL	Mod	Date	Ratio	Ratio ..
32 13C-HPCB-170	405.843	0.500	46.64	46.65	0.548	894902.25	2779.8180	2779.8180	69.5	1.5837			1.050	NO
33 HPCB-170	393.803	0.500	46.37	46.65	1.615	442.46	1.2384	0.2613		1.3089			8.717	YES
34 13C-HPCB-189	405.843	0.500	48.53	48.49	0.698	1269880.88	3131.8610	3131.8610	78.3	1.2433			1.051	NO
35 HPCB-189	393.803	0.500		48.56	1.231					1.0822				NO
36														
37 13C-PeCB-111	335.924	0.500	33.70	33.67	1.305	1828163.63	3570.6475		89.3	2.2465			0.626	NO
38														
39 Function 3 PFK	380.976	1.000			0.00									
40 Function 4 PFK	380.976	1.000			0.00									

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:36:50 PM Pacific Daylight Time

Name: 04AU0910D5\_10, Date: 04-Aug-2009, Time: 23:22:32, ID: LG79G-1-AA, Description: G9G290227-5

# Name	Trace	Sample Size	RT	Pd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fi...	Mod Date
1 13C-PeCB-101	335.924	0.500	31.92	32.13	1.00000	2297312.63	4000.0000	4000.0000	100.0	1.74398	0.64	NO	
2													
3 13C-TeCB-81	301.963	0.500	33.83	33.87	1.03984	1539002.44	2576.9859	2576.9859	64.4	1.81777	0.79	NO	
4 TeCB-81	289.922	0.500		33.85	1.45839					1.07142		NO	
5 13C-TeCB-77	301.963	0.500	34.54	34.57	1.10430	1636908.44	2580.9352	2580.9352	64.5	1.71166	0.80	NO	
6 TeCB-77	289.922	0.500		34.55	1.27061					1.23593		NO	
7													
8 13C-PeCB-123	335.924	0.500	36.20	36.20	0.99324	1502659.44	2634.1930	2634.1930	65.9	1.75586	0.62	NO	
9 PeCB-123	323.883	0.500	36.38	36.21	1.50539	8907.32	15.7507	14.1443		0.88510	0.79	YES	
10 13C-PeCB-118	335.924	0.500	36.36	36.36	1.02407	1529494.94	2600.5033	2600.5033	65.0	1.70299	0.63	NO	
11 PeCB-118/106	323.883	0.500		36.38	1.52536					0.87498		NO	
12 13C-PeCB-114	335.924	0.500	37.15	37.15	1.03691	1597752.63	2682.9257	2682.9257	67.1	1.68191	0.64	NO	
13 PeCB-114	323.883	0.500		37.17	1.58603					0.79011		NO	
14 13C-PeCB-105	335.924	0.500	38.21	38.23	0.98151	1532522.44	2718.6454	2718.6454	68.0	1.77684	0.63	NO	
15 PeCB-105/127	323.883	0.500	38.26	38.23	1.43326	3364.49	6.1270	6.1270		0.95221	0.64	NO	
16 13C-PeCB-126	335.924	0.500	40.54	40.57	1.02999	1685790.44	2849.7809	2849.7809	71.2	1.69321	0.63	NO	
17 PeCB-126	323.883	0.500		40.57	1.15582					1.05484		NO	
18													
19 13C-OcCB-202	439.804	0.500	43.32	43.51	1.00000	2324720.75	4000.0000	4000.0000	100.0	1.00302	0.90	NO	
20													
21 13C-HxCB-167	371.882	0.500	41.90	41.91	1.00247	1865604.50	3201.9585	3201.9585	80.0	2.00360	1.28	NO	
22 HxCB-167	359.841	0.500	41.82	41.93	1.34796	767.37	1.2207	0.7318		1.06189	2.74	YES	
23 13C-HxCB-156	371.882	0.500	43.48	43.49	0.78510	1484035.44	3252.4166	3252.4166	81.3	2.55831	1.28	NO	
24 HxCB-156	359.841	0.500	43.49	43.51	1.68840	788.74	1.2591	1.1274		1.07128	1.50	YES	
25 13C-HxCB-157	371.882	0.500	43.85	43.88	0.83526	1577935.38	3250.5303	3250.5303	81.3	2.40467	1.28	NO	
26 HxCB-157	359.841	0.500		43.86	1.65965					1.02433		NO	
27 13C-HxCB-169	371.882	0.500	46.09	46.13	0.87128	1320390.38	2607.5639	2607.5639	65.2	2.30528	1.28	NO	
28 HxCB-169	359.841	0.500		46.13	1.09932					1.89871		NO	
29													
30 13C-HpCB-180	405.843	0.500	44.64	44.64	0.68403	1242160.25	3124.5923	3124.5923	78.1	1.26811	1.05	NO	
31 HpCB-180	393.803	0.500	44.65	44.67	1.30035	4045.12	10.0173	10.0173		1.17854	0.92	NO	
32 13C-HpCB-170	405.843	0.500	46.64	46.65	0.54773	884902.25	2779.8180	2779.8180	69.5	1.58366	1.05	NO	
33 HpCB-170	393.803	0.500	46.37	46.65	1.61501	442.46	1.2384	0.2613		1.30888	8.72	YES	
34 13C-HpCB-189	405.843	0.500	48.53	48.49	0.69767	1269860.88	3131.8610	3131.8610	78.3	1.24332	1.05	NO	
35 HpCB-189	393.803	0.500		48.56	1.23073					1.08221		NO	



Dataset: X:\ATG\10D5\04AU0910D5\1668MSLak.qld

Last Altered: Wednesday, August 19, 2009 10:33:44 Pacific Daylight Time  
Printed: Wednesday, August 19, 2009 10:34:11 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Aug 2009 09:10:07  
Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D5\1668MSL.cdb 21 Jul 2009 13:15:46

Manual Edit Codes

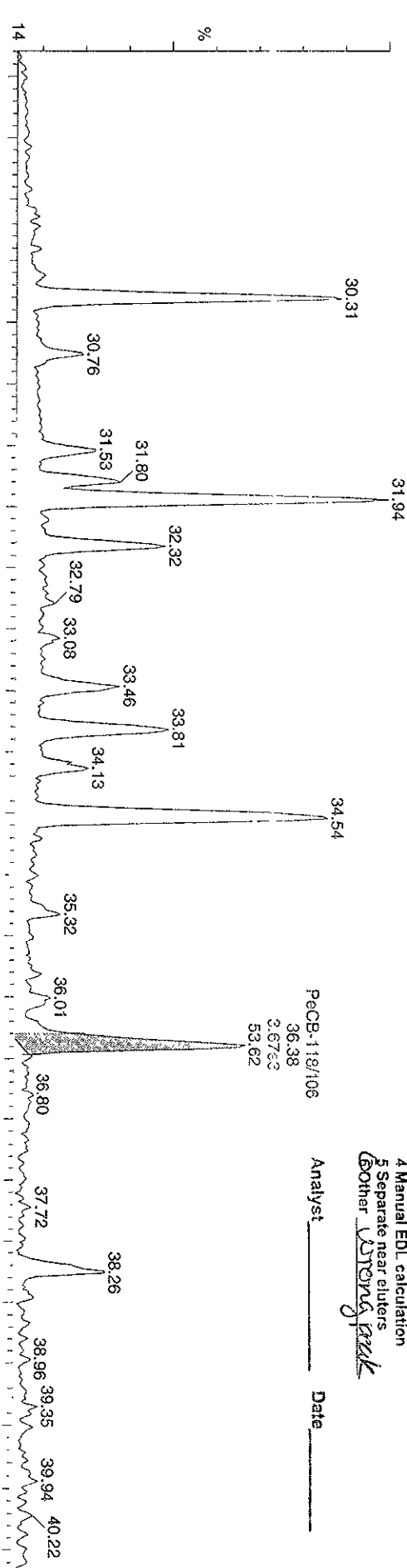
Sample Name: 04AU0910D5\_10

04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5 LG79G-1-AA

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other *Very peak*

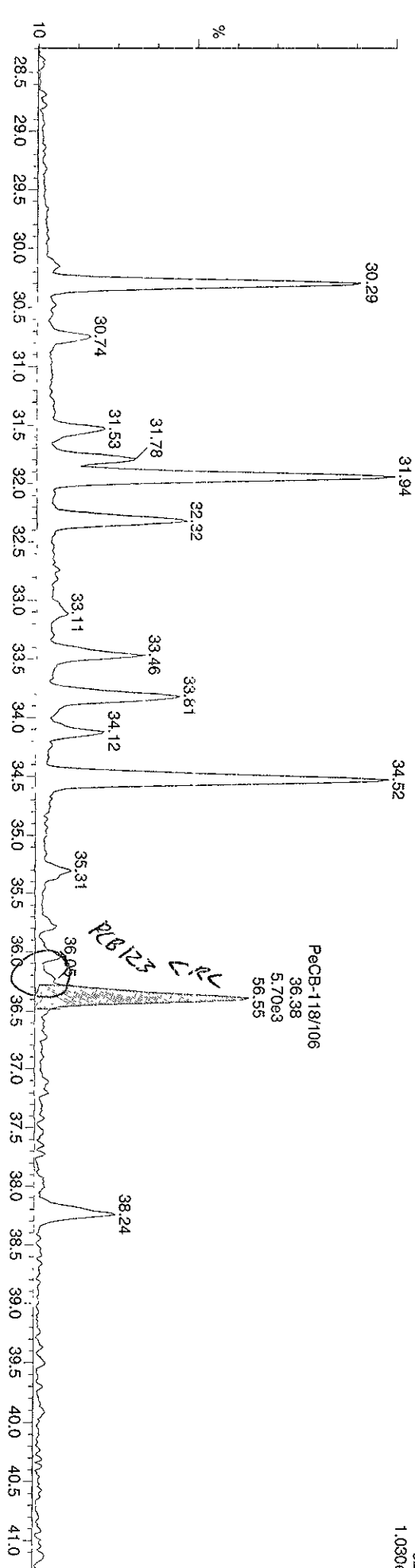
Analyst: \_\_\_\_\_ Date: \_\_\_\_\_

F3: Voltage SIR, EI+  
323.883  
7.239e+004



F3: Voltage SIR, EI+  
325.883  
1.030e+005

04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5 LG79G-1-AA



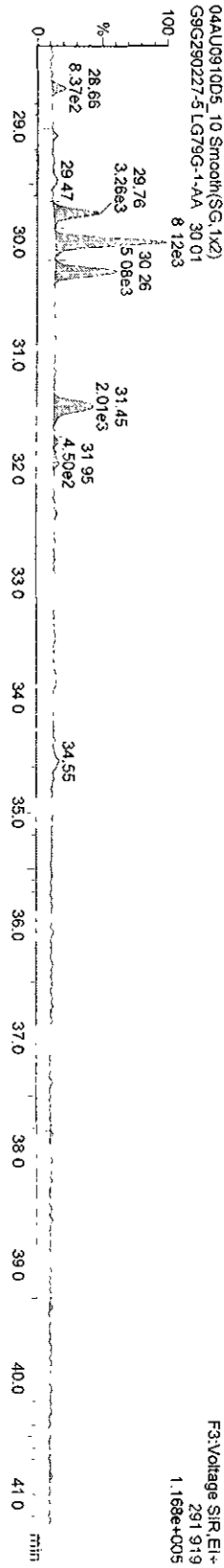
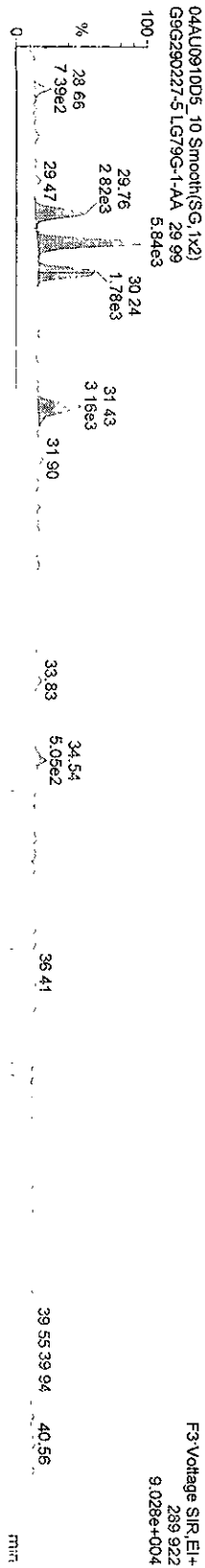
PeCB-118/106  
36.38  
5.70e3  
56.55

Dataset: C:\MassLynx\Default\pro\04AU0910D51668MSL.qtd

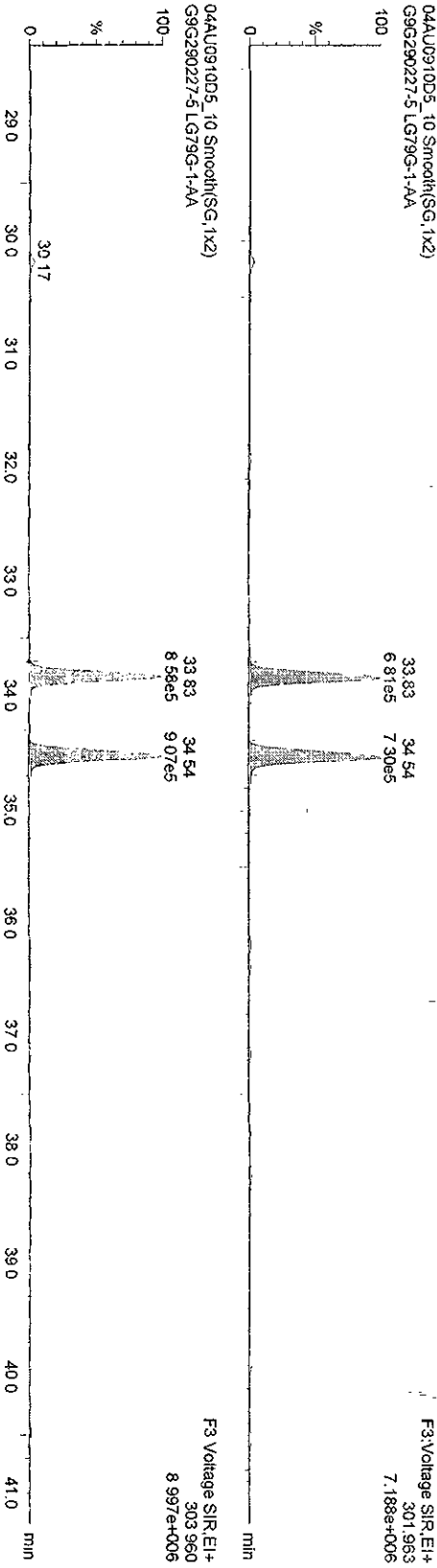
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_10, Date: 04-Aug-2009, Time: 23:22:32, ID: LG79G-1-AA, Description: G9G290227-5

**TetraPCBs**



**13C-TetrasPCBs**

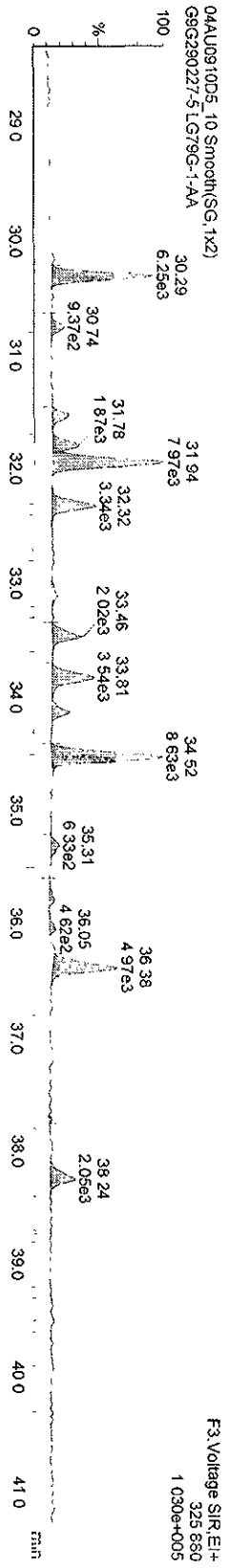
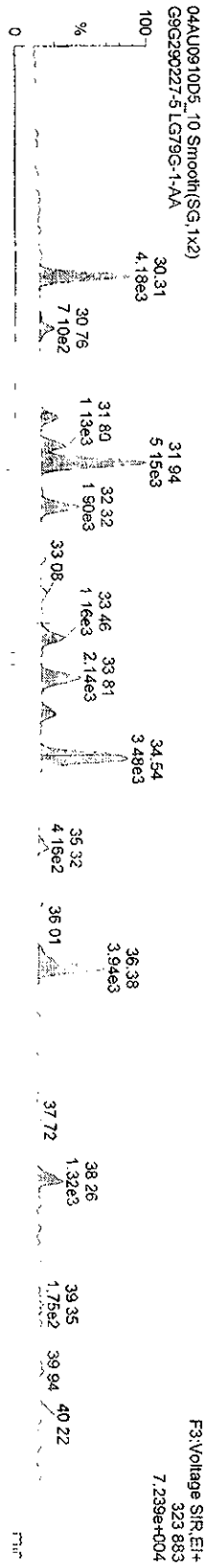


Dataset: C:\MassLynx\Default\proj\04AU0910D51668MSL.qid

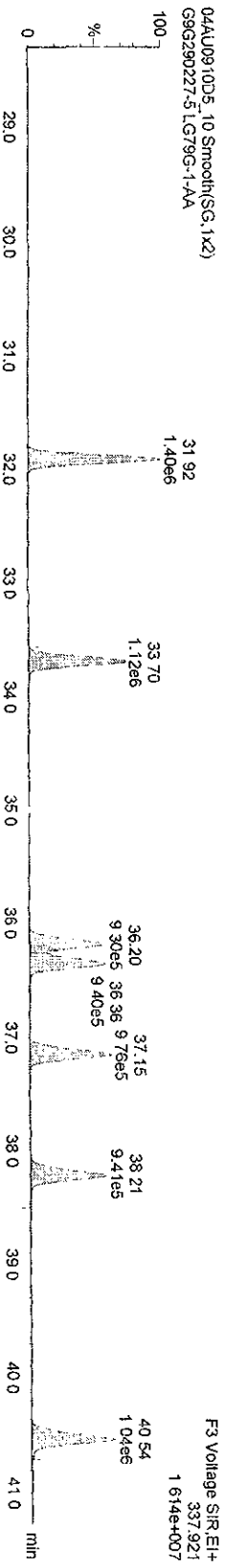
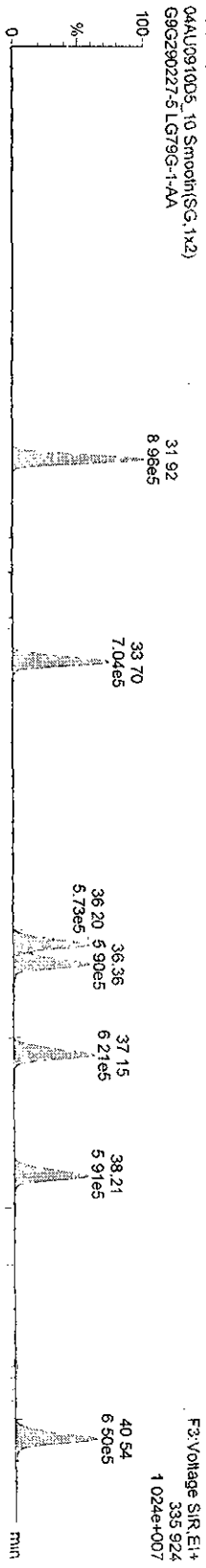
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_16, Date: 04-Aug-2009, Time: 23:22:32, ID: LG79G-1-AA, Description: G9G290227-5

**PePCBs**



**13C-PePCBs**



Dataset C:\MassLynx\Default\proj\04AU0910D5\1668MSL.qid

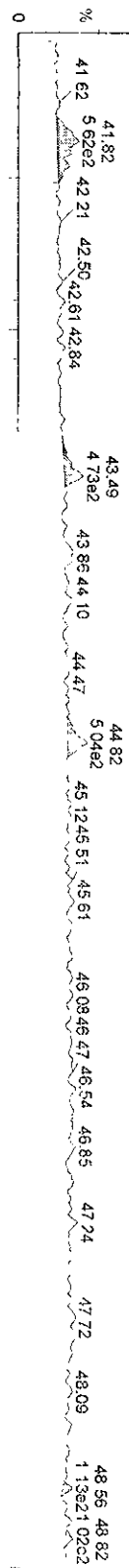
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_10, Date: 04-Aug-2009, Time: 23:22:32, ID: LG79G-1-AA, Description: G9G290227-5

HXPCBS-

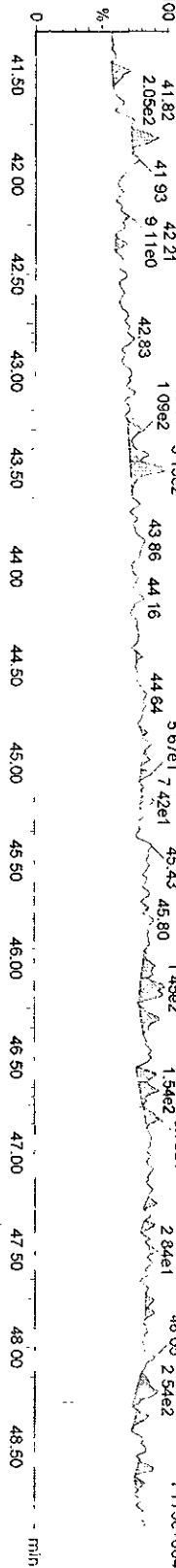
04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA

F4 Voltage SIR.EI+  
359.841  
3.955e+004



04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA

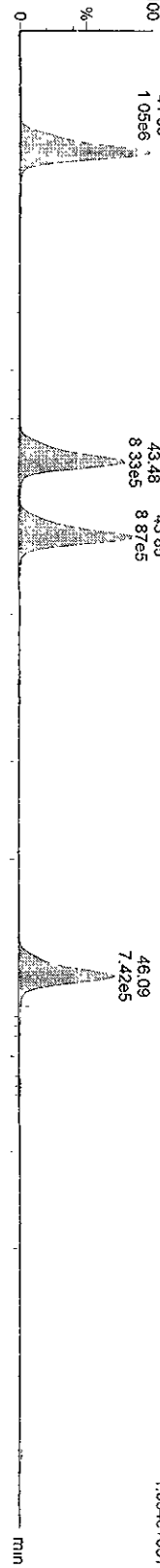
F4 Voltage SIR.EI+  
361.839  
1.775e+004



13C-HXPCBS

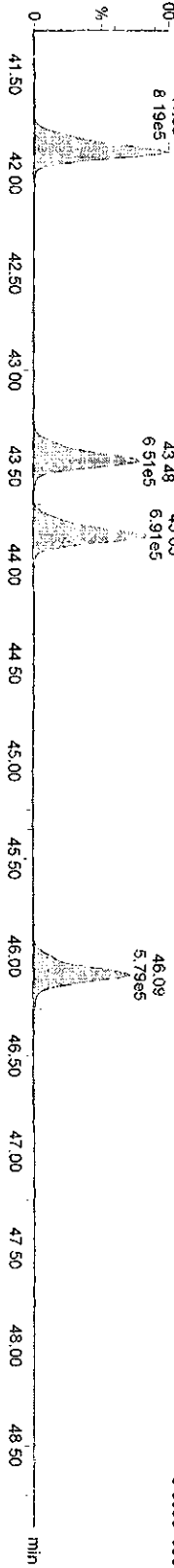
04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA

F4 Voltage SIR.EI+  
371.882  
1.064e+007



04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA

F4 Voltage SIR.EI+  
373.879  
8.389e+006



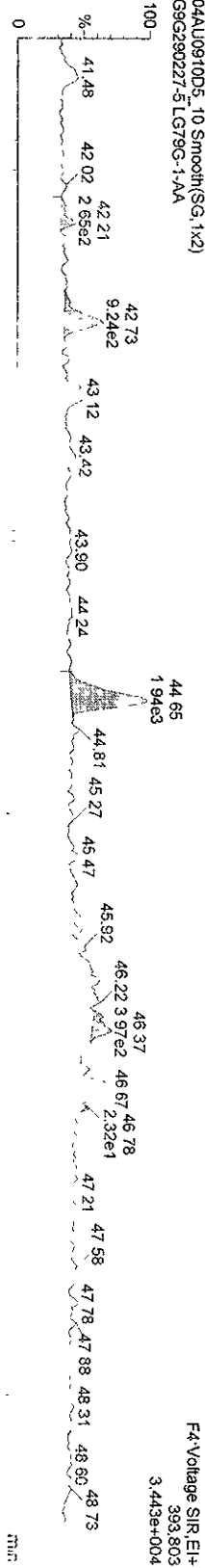
Dataset: C:\MassLynx\Default\proj\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

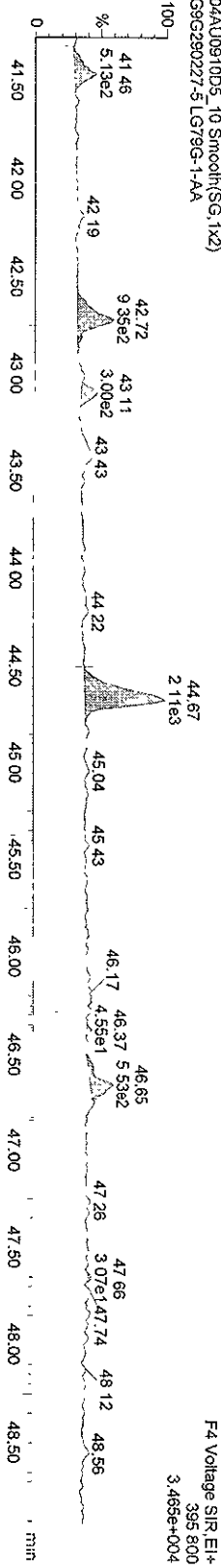
Name: 04AU0910D5\_10, Date: 04-Aug-2009, Time: 23:22:32, ID: LG79G-1-AA, Description: G9G290227-5

HPICBs

04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA

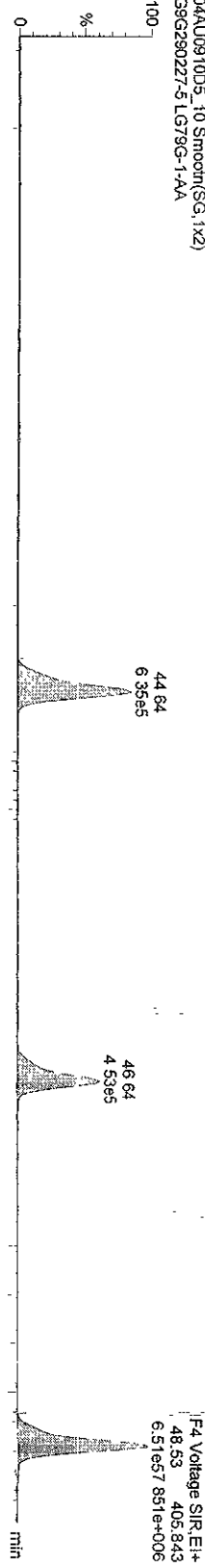


04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA

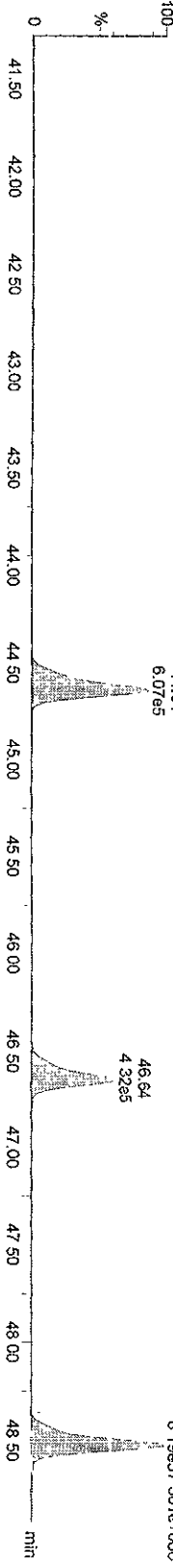


13C-HPICBs

04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA



04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA



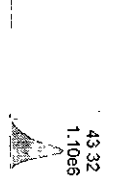
Dataset C:\MassLynx\Default.pro\04AU0910D51668MSL.qid

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_16, Date: 04-Aug-2009, Time: 23:22:32, ID: LG79G-1-AA, Description: G9G290227-5

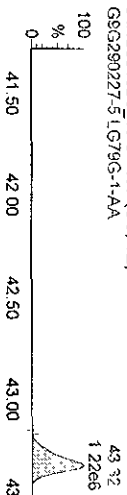
13C-OCB-202

04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA



F4: Voltage SIR\_EI+  
439.804  
1.149e+007

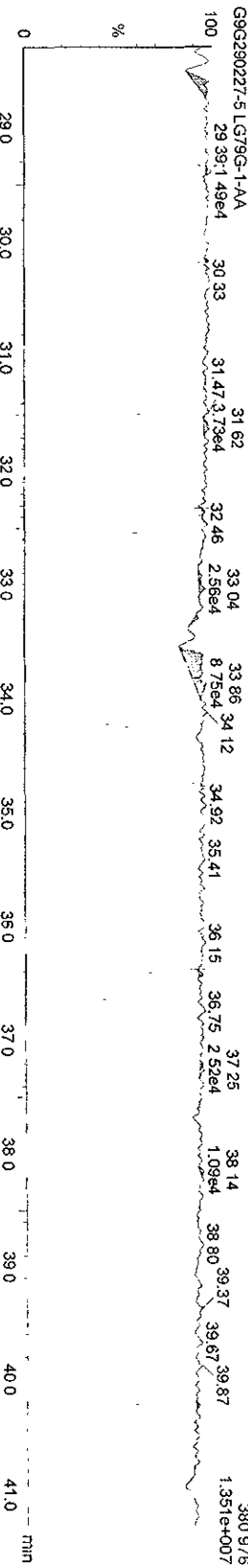
04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA



F4: Voltage SIR\_EI+  
447.804  
1.244e+007

Function 3 PFK

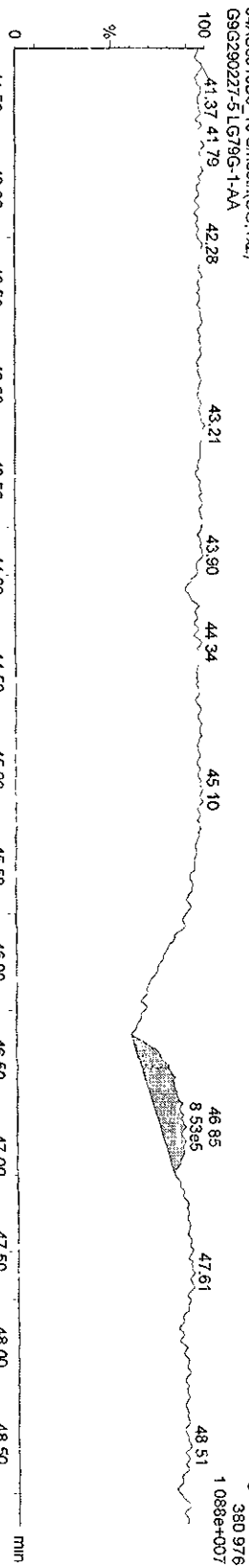
04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA



F3: Voltage SIR\_EI+  
380.976  
1.351e+007

Function 4 PFK

04AU0910D5\_10 Smooth(SG, 1x2)  
G9G290227-5.LG79G-1-AA



F4: Voltage SIR\_EI+  
380.976  
1.088e+007

## Daily Calibration Checklist Methods 1668 and 1614

Method ID 1668M

Associated ICAL JCA0716200910DS1668MSL

Column ID DB-5

Instrument ID 10D5

STD ID ST0804

STD Solution 09DXN207

Analyzed by SMA

Date Analyzed 8-04-09

Std. Pkg. By SMA

Date Std. Pkg. Assembled 8-05-09

Std. Pkg. Reviewed By AYM

Date Std. Pkg. Reviewed 8-05-09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\* Method 1668A (PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ± 50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit, this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

Method 1614 (DBDs/DBFs): ± 30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ± 30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time

Printed: Wednesday, August 05, 2009 2:37:18 PM Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Aug 2009 09:10:07

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Name: 04AU0910D5\_1, Date: 04-Aug-2009, Time: 14:47:30, ID: ST0804, Description: CS-3 09DXN207

#	Name	Response	RT	RRF M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D...
1	13C-PeCB-101	1811180	31.87	1.00000	1.00000	100.00	0.0	100.0	0.637	NO	
2											
3	13C-TeCB-81	1837915	33.80	1.03984	1.01476	97.59	-2.4	97.6	0.789	NO	
4	TeCB-81	1472932	33.83	1.45839	1.60283	54.95	9.9	109.9	0.756	NO	
5	13C-TeCB-77	1963080	34.50	1.10430	1.08387	98.15	-1.9	98.1	0.807	NO	
6	TeCB-77	1317355	34.52	1.27061	1.34213	52.81	5.6	105.6	0.753	NO	
7											
8	13C-PeCB-123	1741564	36.15	0.99324	0.96156	96.81	-3.2	96.8	0.624	NO	
9	PeCB-123	1352763	36.16	1.50539	1.55350	51.60	3.2	103.2	0.614	NO	
10	13C-PeCB-118	1773998	36.31	1.02407	0.97947	95.64	-4.4	95.6	0.640	NO	
11	PeCB-118/106	1426357	36.35	1.52536	1.60807	52.71	5.4	105.4	0.624	NO	
12	13C-PeCB-114	1818304	37.10	1.03691	1.00393	96.82	-3.2	96.8	0.631	NO	
13	PeCB-114	1500870	37.14	1.58603	1.65085	52.04	4.1	104.1	0.615	NO	
14	13C-PeCB-105	1699366	38.18	0.98151	0.93826	95.59	-4.4	95.6	0.641	NO	
15	PeCB-105/127	1251701	38.19	1.43326	1.47314	51.39	2.8	102.8	0.621	NO	
16	13C-PeCB-126	1633415	40.51	1.02999	0.90185	87.56	-12.4	87.6	0.631	NO	
17	PeCB-126	994461	40.52	1.15582	1.21765	52.67	5.3	105.3	0.613	NO	
18											
19	13C-OcCB-202	1928791	43.28	1.00000	1.00000	100.00	0.0	100.0	0.892	NO	
20											
21	13C-HxCB-167	1891363	41.85	1.00247	0.98060	97.82	-2.2	97.8	1.283	NO	
22	HxCB-167	1244741	41.87	1.34796	1.31624	48.82	-2.4	97.6	1.266	NO	
23	13C-HxCB-156	1462579	43.43	0.78510	0.75829	96.58	-3.4	96.6	1.293	NO	
24	HxCB-156	1280917	43.45	1.68840	1.75159	51.87	3.7	103.7	1.239	NO	
25	13C-HxCB-157	1558794	43.82	0.83526	0.80817	96.76	-3.2	96.8	1.285	NO	
26	HxCB-157	1343335	43.83	1.65965	1.72356	51.93	3.9	103.9	1.257	NO	
27	13C-HxCB-169	1590012	46.05	0.87128	0.82436	94.61	-5.4	94.6	1.273	NO	
28	HxCB-169	901889	46.08	1.09832	1.13444	51.64	3.3	103.3	1.242	NO	
29											
30	13C-HpCB-180	1319936	44.58	0.68403	0.68433	100.04	0.0	100.0	1.046	NO	
31	HpCB-180	868802	44.61	1.30035	1.31643	50.62	1.2	101.2	1.051	NO	
32	13C-HpCB-170	1071643	46.59	0.54773	0.55560	101.44	1.4	101.4	1.034	NO	
33	HpCB-170	882935	46.61	1.61501	1.64782	51.02	2.0	102.0	1.026	NO	
34	13C-HpCB-189	1291773	48.46	0.69767	0.66973	96.00	-4.0	96.0	1.048	NO	
35	HpCB-189	808198	48.50	1.23073	1.25130	50.84	1.7	101.7	1.065	NO	
36											
37	13C-PeCB-111	2392964	33.63	1.30475	1.38056	105.81	5.8	105.8	0.632	NO	
38											
39	Function 3 PFK										
40	Function 4 PFK										



Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\04AU0910D5.SPL  
 Last Modified: Wednesday, August 05, 2009 15:06:28 Pacific Daylight Time  
 Printed Wednesday, August 05, 2009 15:06:31 Pacific Daylight Time

Page 1 of 3

Page Position (1, 1)

	File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Unit	FV_ul
1	04AU0910D5_1	CS-3 09DXN207	ST0804	---	---	1.000000	---	1.00
2	04AU0910D5_2	2nd Source 09DXN229	ST0804A	1668	---	1.000000	---	1.00
3	04AU0910D5_3	Solvent Blank C-12	SB0804	---	---	1.000000	---	1.00
4	04AU0910D5_4	G9G290227-1MB	LHERK-1-AA	1668/AIR	5	0.500000	sample	20.0
5	04AU0910D5_5	G9G290227-1LCS	LHERK-1-AC	1668/AIR	---	0.500000	sample	20.0
6	04AU0910D5_6	G9G290227-1	LG79C-1-AA	1668/AIR	---	0.500000	sample	20.0
7	04AU0910D5_7	G9G290227-2	LG79L-1-AA	1668/AIR	---	0.500000	sample	20.0
8	04AU0910D5_8	G9G290227-3	LG79N-1-AA	1668/AIR	---	0.500000	sample	20.0
9	04AU0910D5_9	G9G290227-4	LG79P-1-AA	1668/AIR	---	0.500000	sample	20.0
10	04AU0910D5_10	G9G290227-5	LG79G-1-AA	1668/AIR	---	0.500000	sample	20.0
11	04AU0910D5_11	G9G020277-1 x300	LF17F-1-AC	1668/SOLID	89	0.033817	g	20.0
12	04AU0910D5_12	Solvent Blank C-12	SB0804A	---	---	1.000000	---	1.00
13	04AU0910D5_13	Solvent Blank C-12	SB0804B	---	---	1.000000	---	1.00
14	04AU0910D5_14	CS-3 09DXN207	ST0804B	---	---	1.000000	---	1.00
15	04AU0910D5_15	Solvent Blank C-12	SB0804C	---	---	1.000000	---	1.00
16	04AU0910D5_16	G9G200145-1MB	LHER6-1-AA	1668/AIR	5	0.333300	sample	10.0
17	04AU0910D5_17	G9G200145-1LCS	LHER6-1-AC	1668/AIR	---	0.333300	sample	10.0
18	04AU0910D5_18	G9G200145-1	LGQAV-1-AD	1668/AIR	---	0.333300	sample	10.0
19	04AU0910D5_19	Solvent Blank C-12	SB0804D	---	---	1.000000	---	1.00
20	04AU0910D5_20	Solvent Blank C-12	SB0805E	---	---	1.000000	---	1.00
21	04AU0910D5_21	G9G020277-1 x300	LF17F-1-AC	1668/SOLID	89	0.033817	g	20.0
22	04AU0910D5_22	Solvent Blank C-12	SB0804F	---	---	1.000000	---	1.00
23	04AU0910D5_23	2nd Source 09DXN229	ST0804C	1668	---	1.000000	---	1.00
24	04AU0910D5_24	Solvent Blank C-12	SB0804F	---	---	1.000000	---	1.00
25	04AU0910D5_25	G9G020277-1 x300 RI	LF17F-1-AC	1668/SOLID	89	0.033817	g	20.0

log file checked  
 8-05-09 am

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\04AU0910D5.SPL  
 Last Modified: Wednesday, August 05, 2009 15:06:28 Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 15:06:31 Pacific Daylight Time

Page 2 of 3

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:2	1.000000	Standard	SMA 08-04-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:3	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:4	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:5	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:6	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:7	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:8	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:10	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:11	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:13	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:14	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:15	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:16	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	1333.33	1000
Tray1:17	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	1333.33	1000
Tray1:18	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	1333.33	1000
Tray1:19	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:20	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:21	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:23	1.000000	Standard	SMA 08-04-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:24	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:25	1.000000	Analyte	SMA 08-04-09	1668M10D5	1668M10D5	---	---	2000	2000

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampled\b\04AU0910D5.SPL  
 Last Modified: Wednesday, August 05, 2009 15:06:28 Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 15:06 31 Pacific Daylight Time

Page 3 of 3

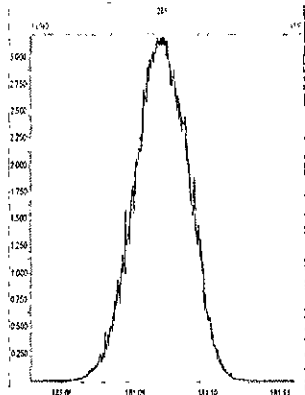
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Conc E	Conc F	Conc G	Conc H	Process	Process Options	Action On Error
100	---	---	---	---	---	---
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2000	---	---	---	---	---	---
2000	---	---	---	---	---	---
2000	---	---	---	---	---	---
2000	---	---	---	---	---	---
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2000	---	---	---	---	---	---
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100	---	---	---	---	---	---
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1333.33	---	---	---	---	---	---
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1333.33	---	---	---	---	---	---
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2000	---	---	---	---	---	---
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100	---	---	---	---	---	---
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2000	---	---	---	---	---	---

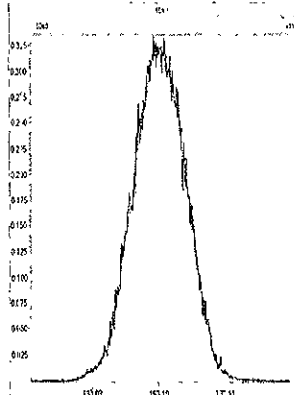
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Printed: Tuesday, August 04, 2009 14:42:23 Pacific Daylight Time

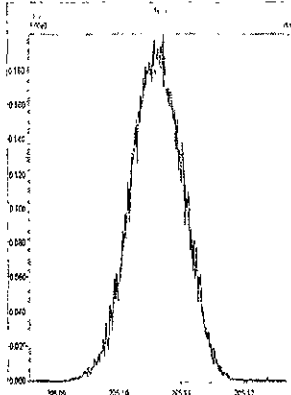
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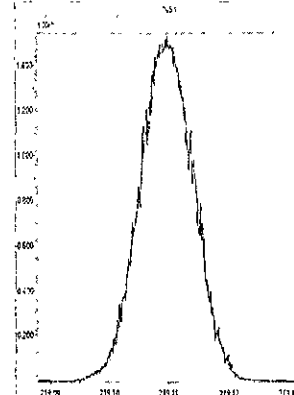
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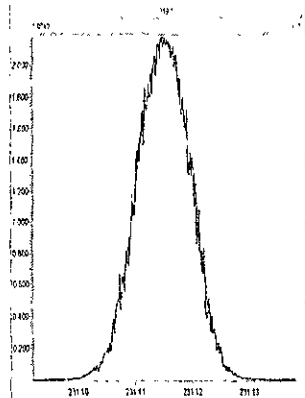
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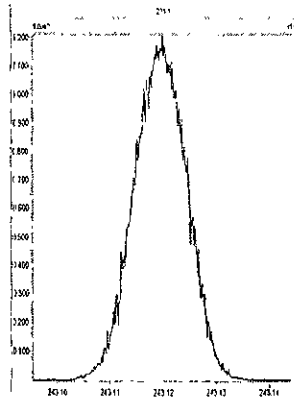
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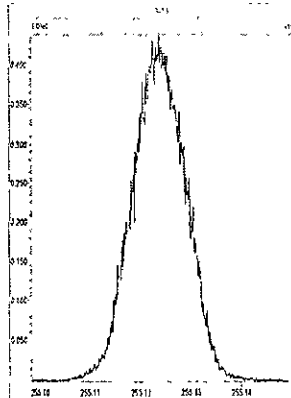
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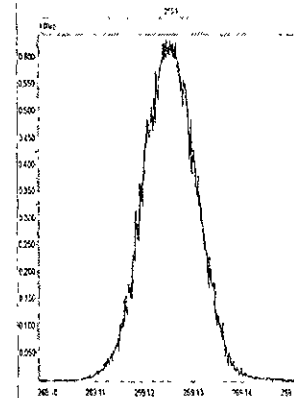
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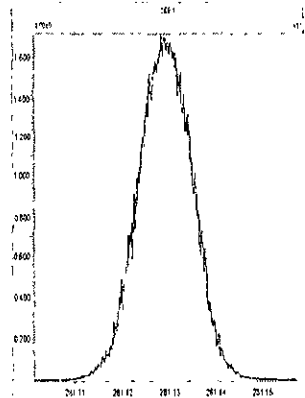
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M 268.9824 R 11060



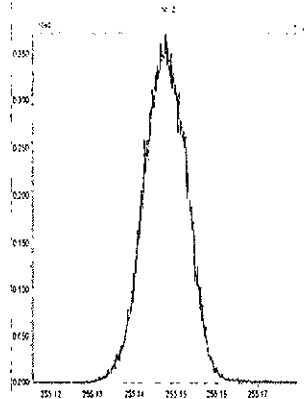
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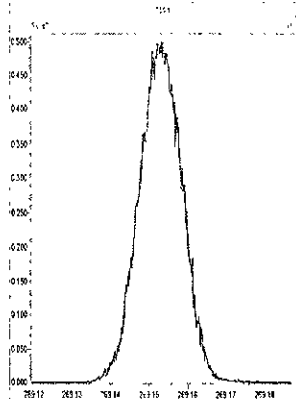
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Printed: Tuesday, August 04, 2009 14:43:06 Pacific Daylight Time

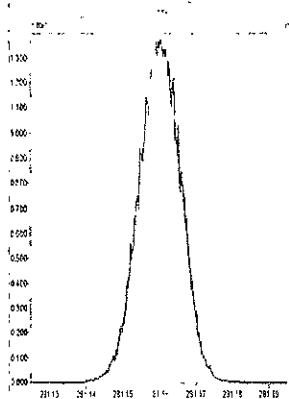
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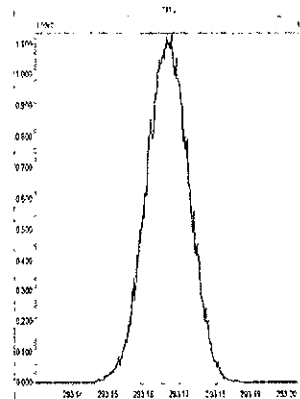
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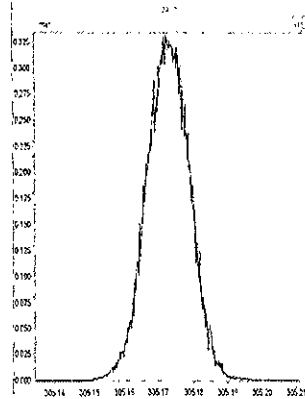
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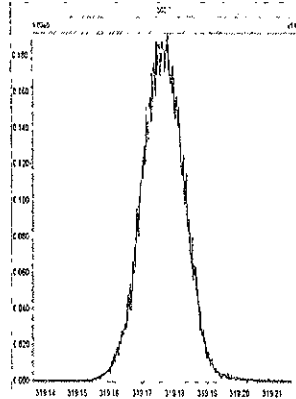
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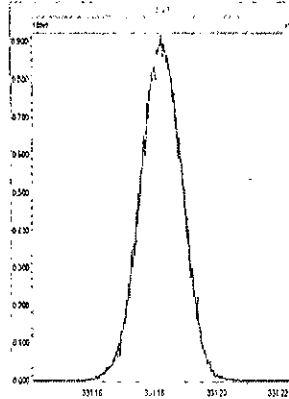
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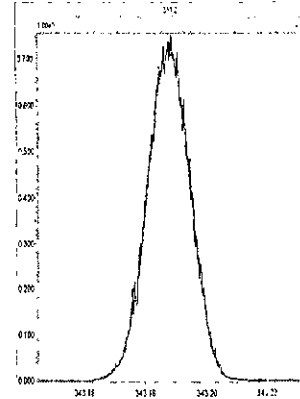
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M 330.9792 R 10578



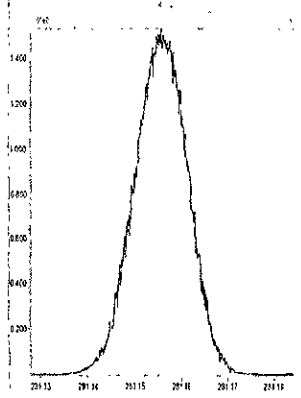
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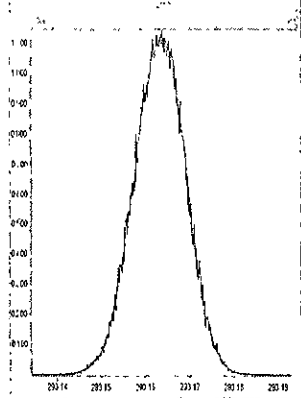
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Printed: Tuesday, August 04, 2009 14 44:03 Pacific Daylight Time

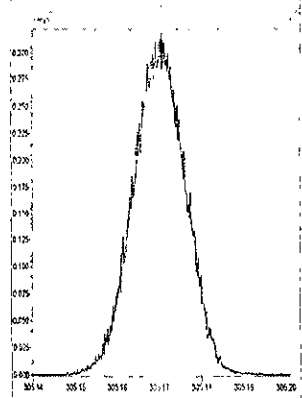
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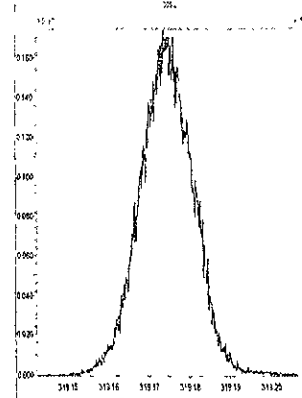
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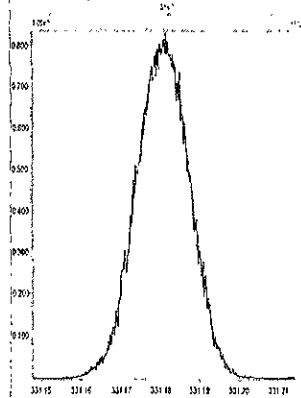
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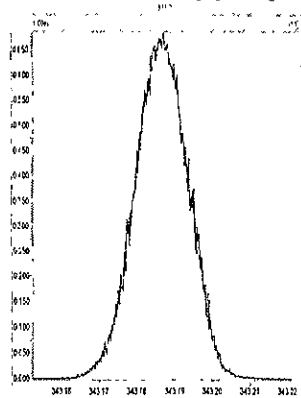
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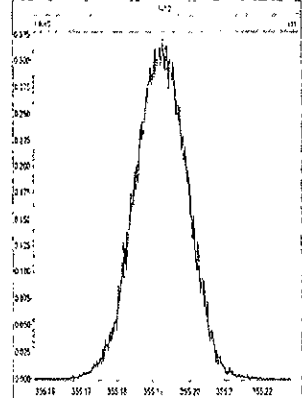
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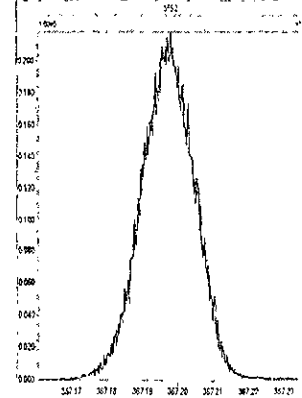
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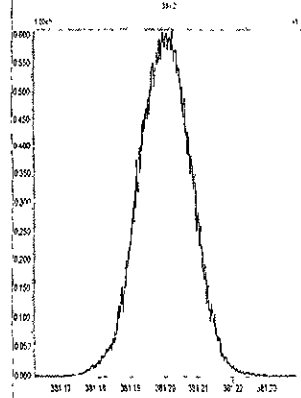
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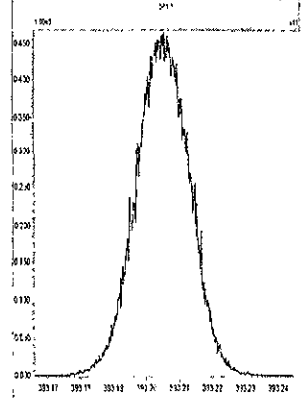
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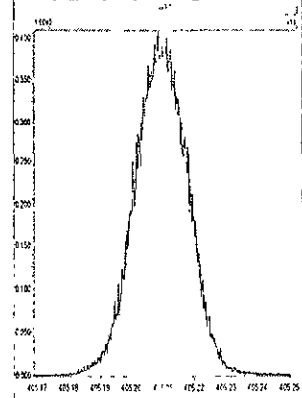
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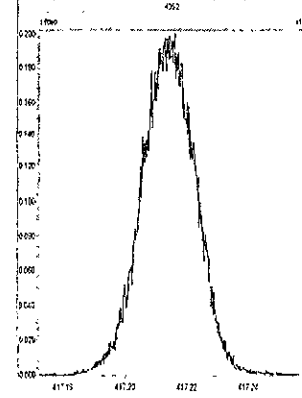
M 392.9760 R 10552



M 404.9760 R 10774



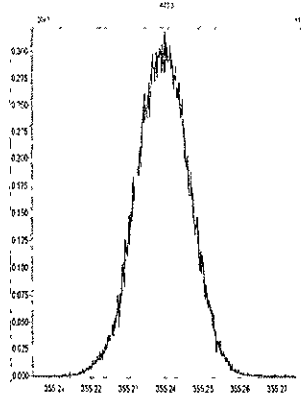
M 416.9760 R 10680



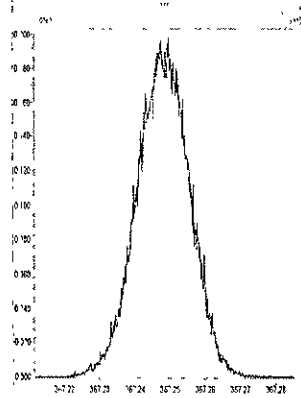
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Printed: Tuesday, August 04, 2009 14:44:43 Pacific Daylight Time

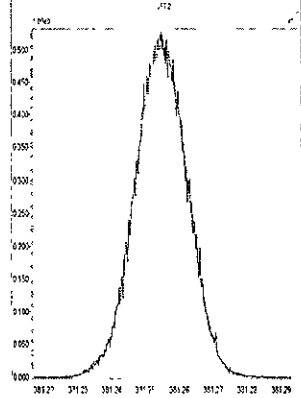
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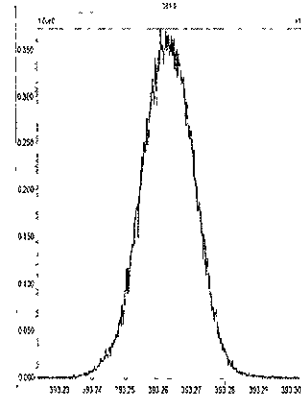
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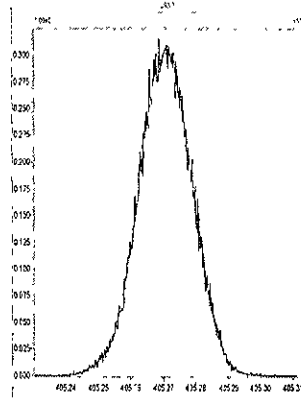
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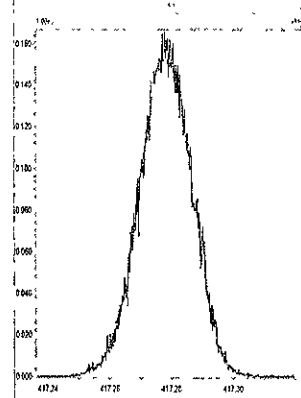
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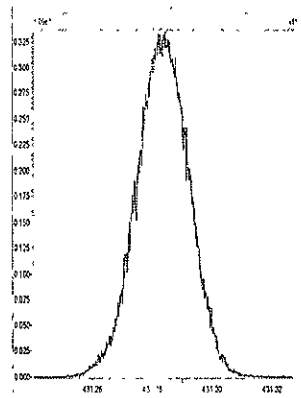
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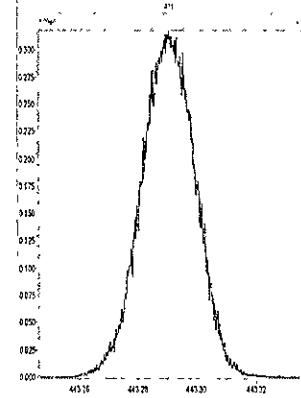
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M 430.9728 R 10502



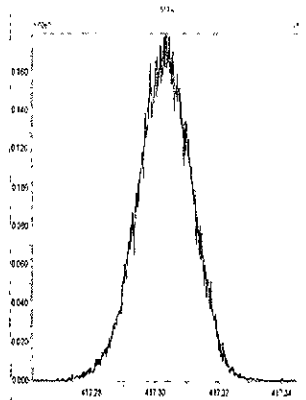
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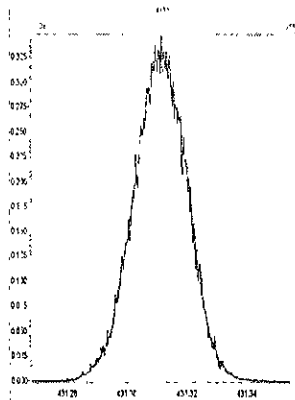
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Printed: Tuesday, August 04, 2009 14:45:20 Pacific Daylight Time

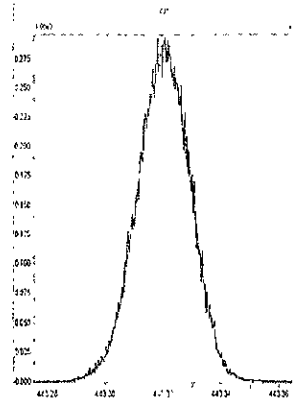
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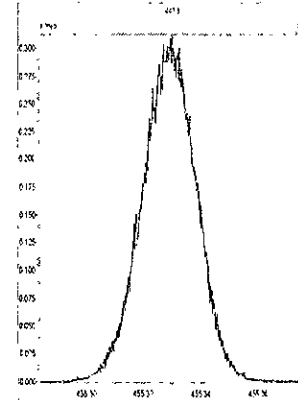
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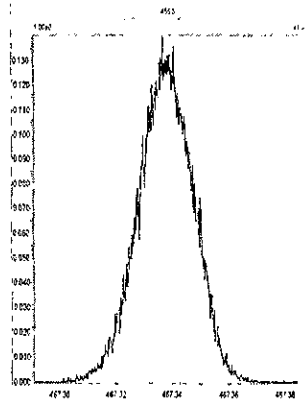
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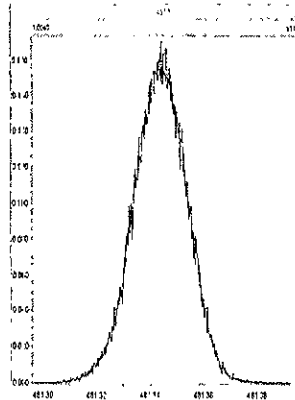
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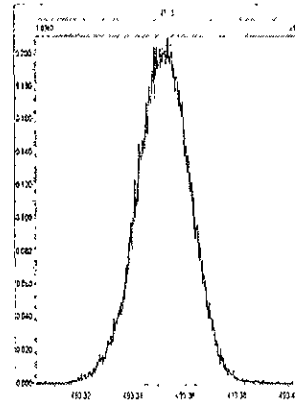
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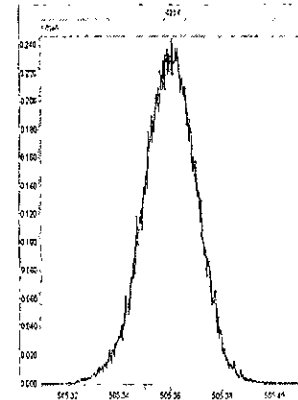
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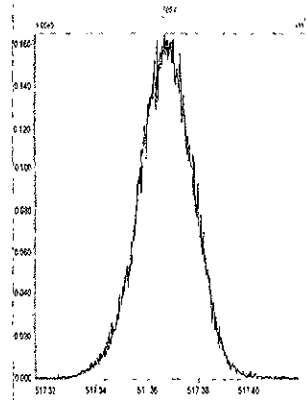
M 492.9696 R 10122



M 504.9696 R 10683



M 516.9697 R 10247

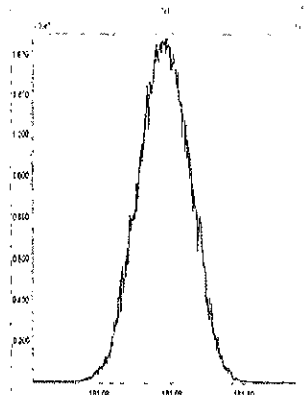




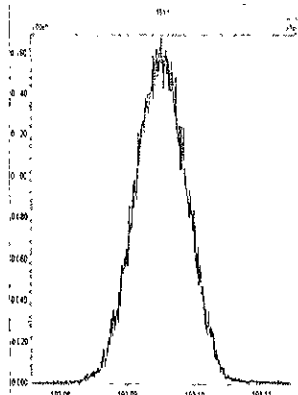
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Printed: Wednesday, August 05, 2009 15:40 35 Pacific Daylight Time

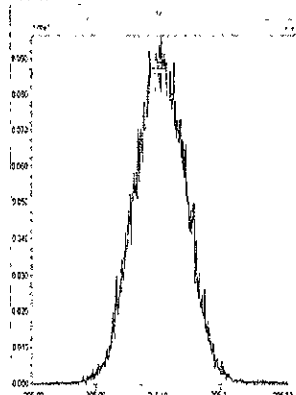
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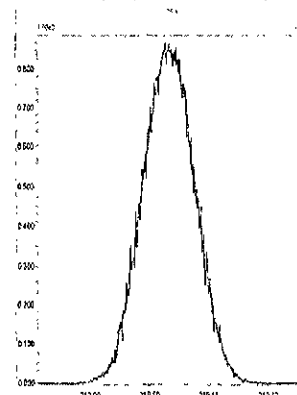
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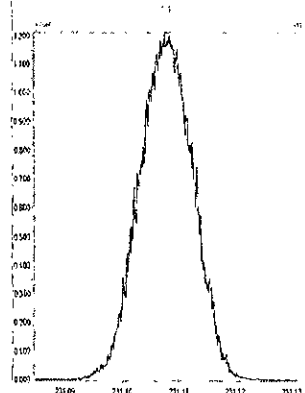
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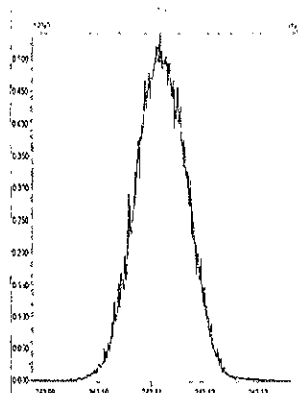
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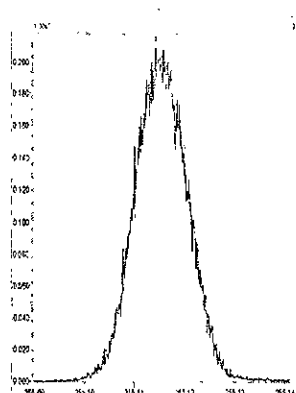
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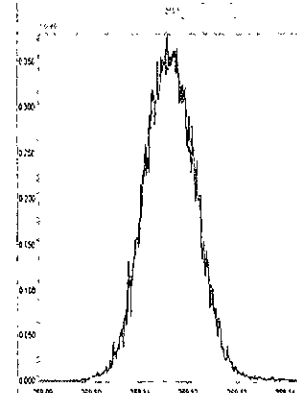
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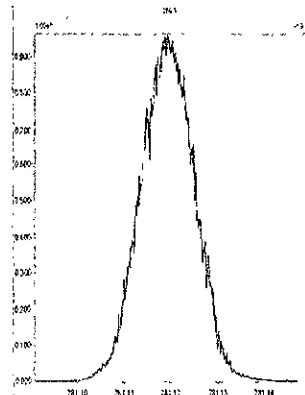
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M 268.9824 R 10867



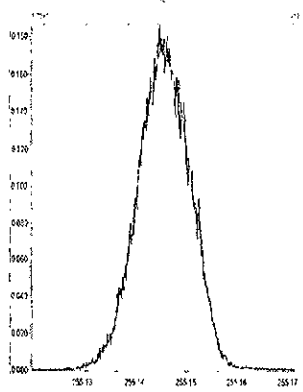
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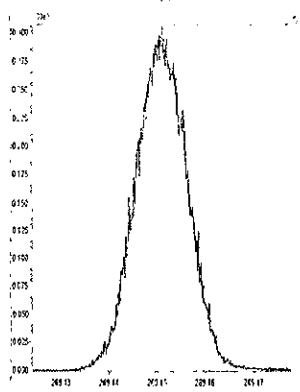
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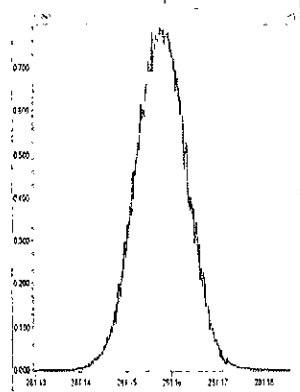
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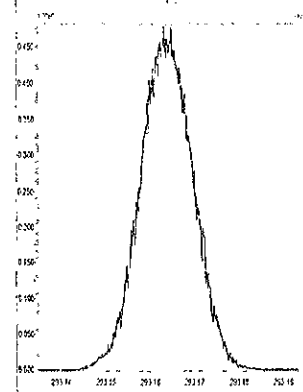
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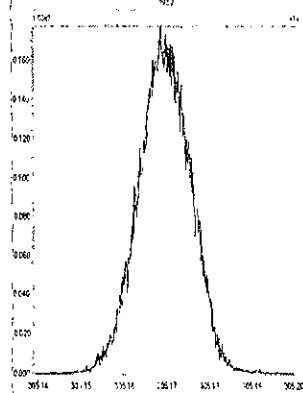
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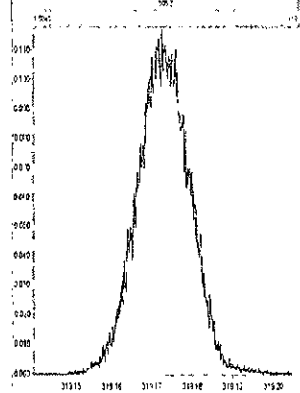
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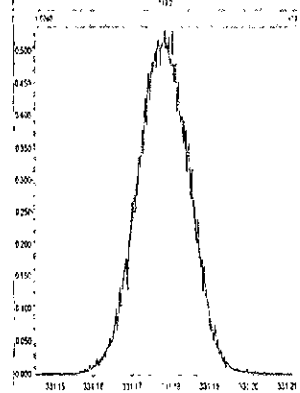
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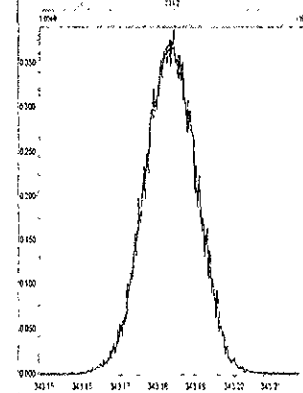
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M 330.9792 R 10726



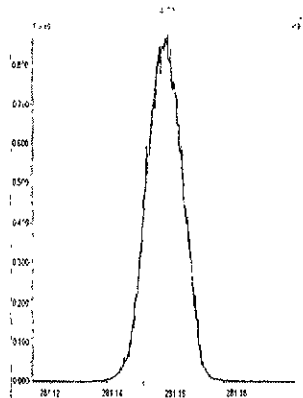
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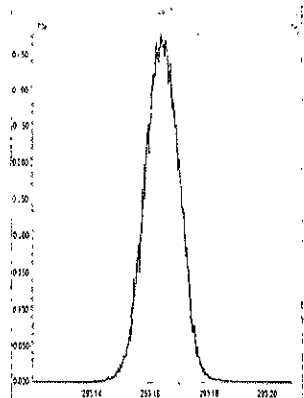
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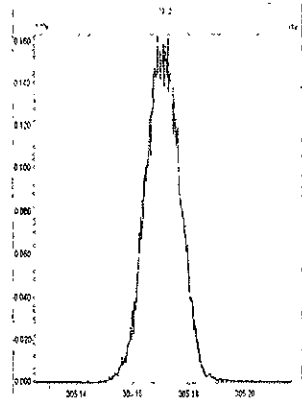
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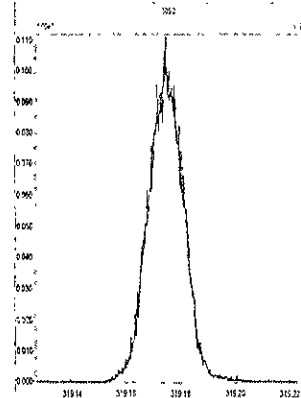
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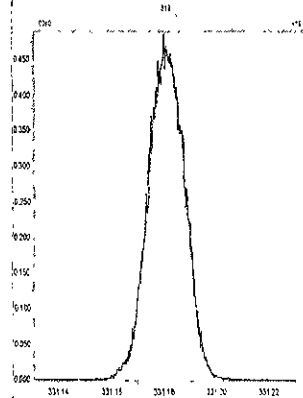
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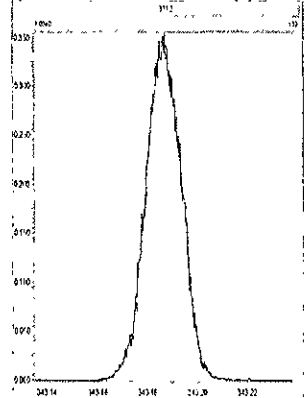
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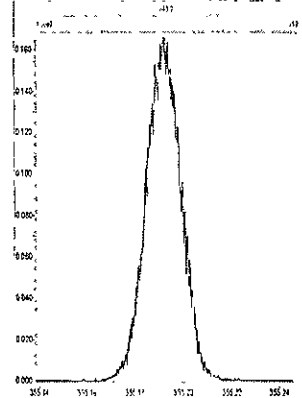
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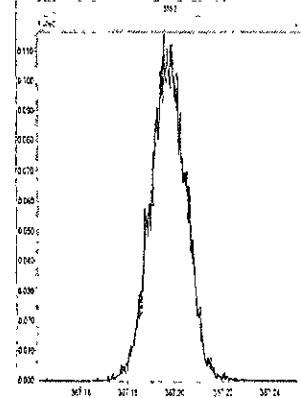
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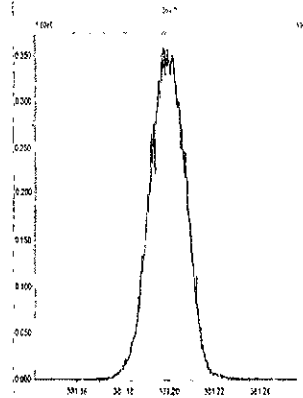
M 354.9792 R 11336



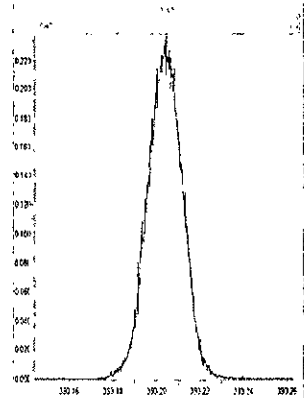
M 366.9792 R 11039



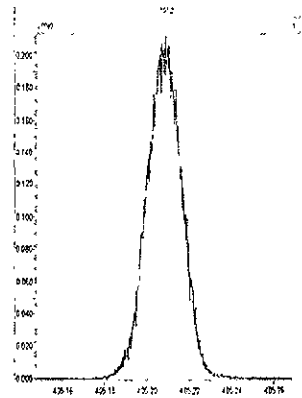
M 380.9760 R 10753



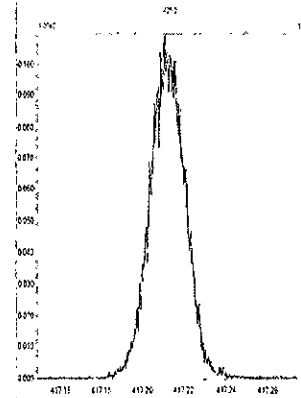
M 392.9760 R 10965



M 404.9760 R 10753



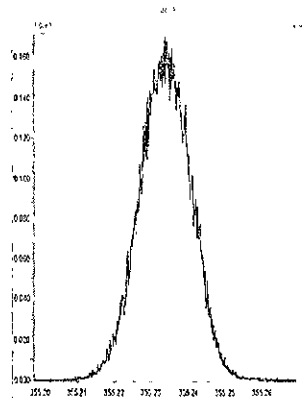
M 416.9760 R 10894



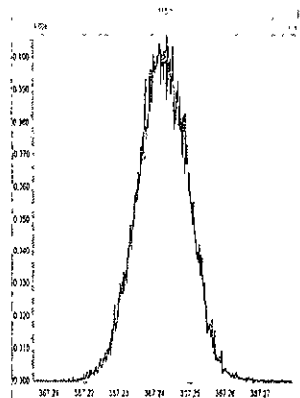
File: Experiment 1668M10D5.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, August 05, 2009 15:42:52 Pacific Daylight Time

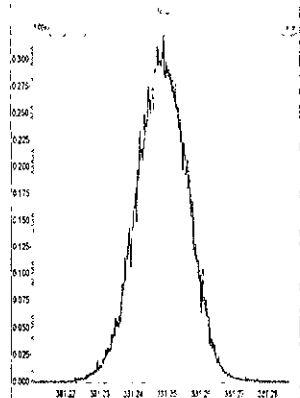
M 354.9792 R 10822



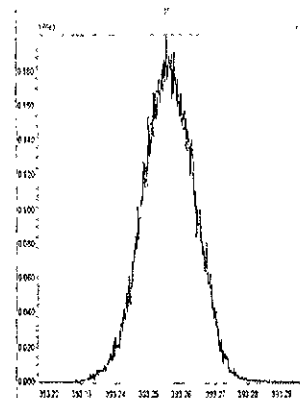
M 366.9792 R 11367



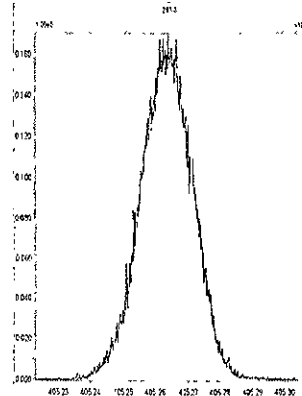
M 380.9760 R 10824



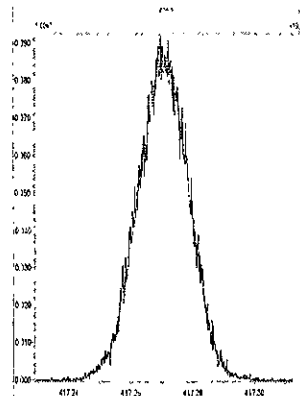
M 392.9760 R 10730



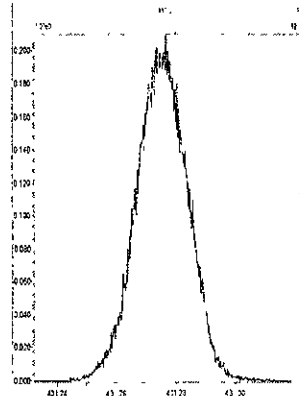
M 404.9760 R 10638



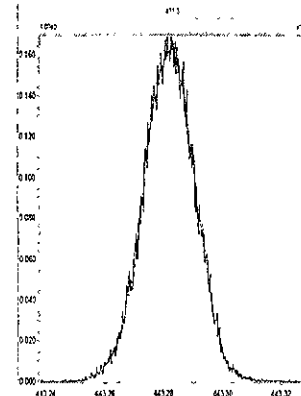
M 416.9760 R 10919



M 430.9728 R 11014



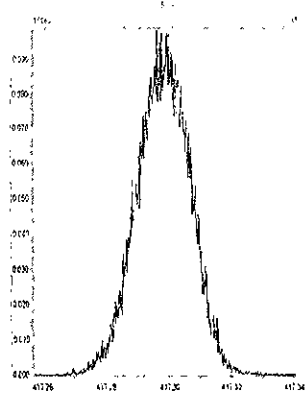
M 442.9728 R 10593



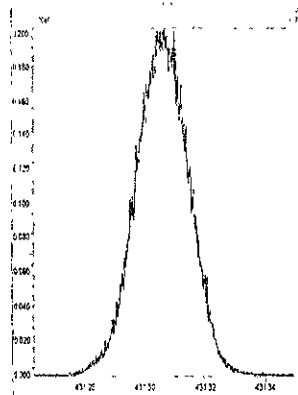
File: Experiment: 1668M10D5 exp Reference pfk ref Function: 5 @ 200 (ppm)

Printed: Wednesday, August 05, 2009 15:43:33 Pacific Daylight Time

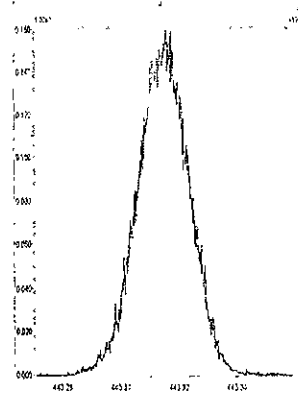
M 416.9760 R 10728



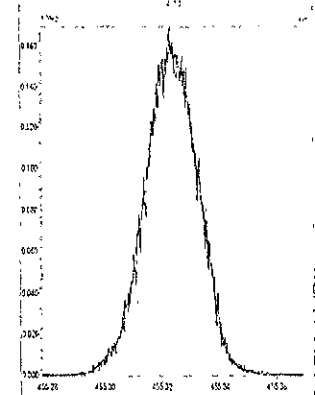
M 430.9728 R 10502



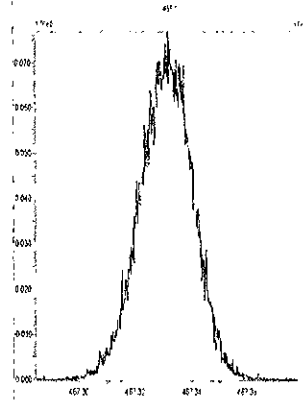
M 442.9728 R 10635



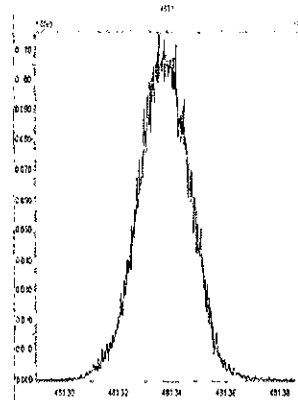
M 454.9728 R 10683



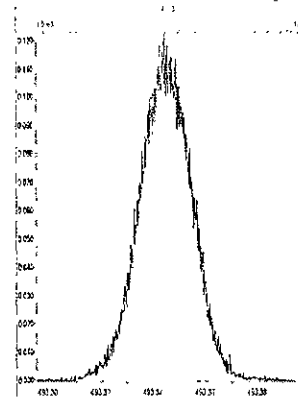
M 466.9728 R 11109



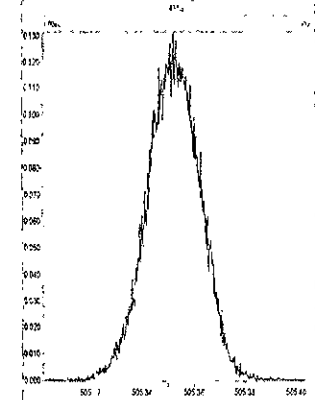
M 480.9696 R 10639



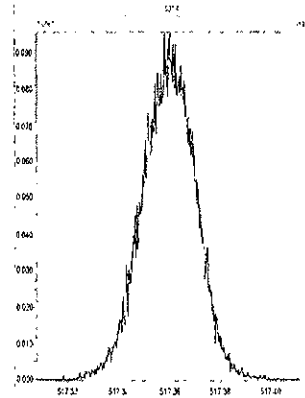
M 492.9696 R 10870



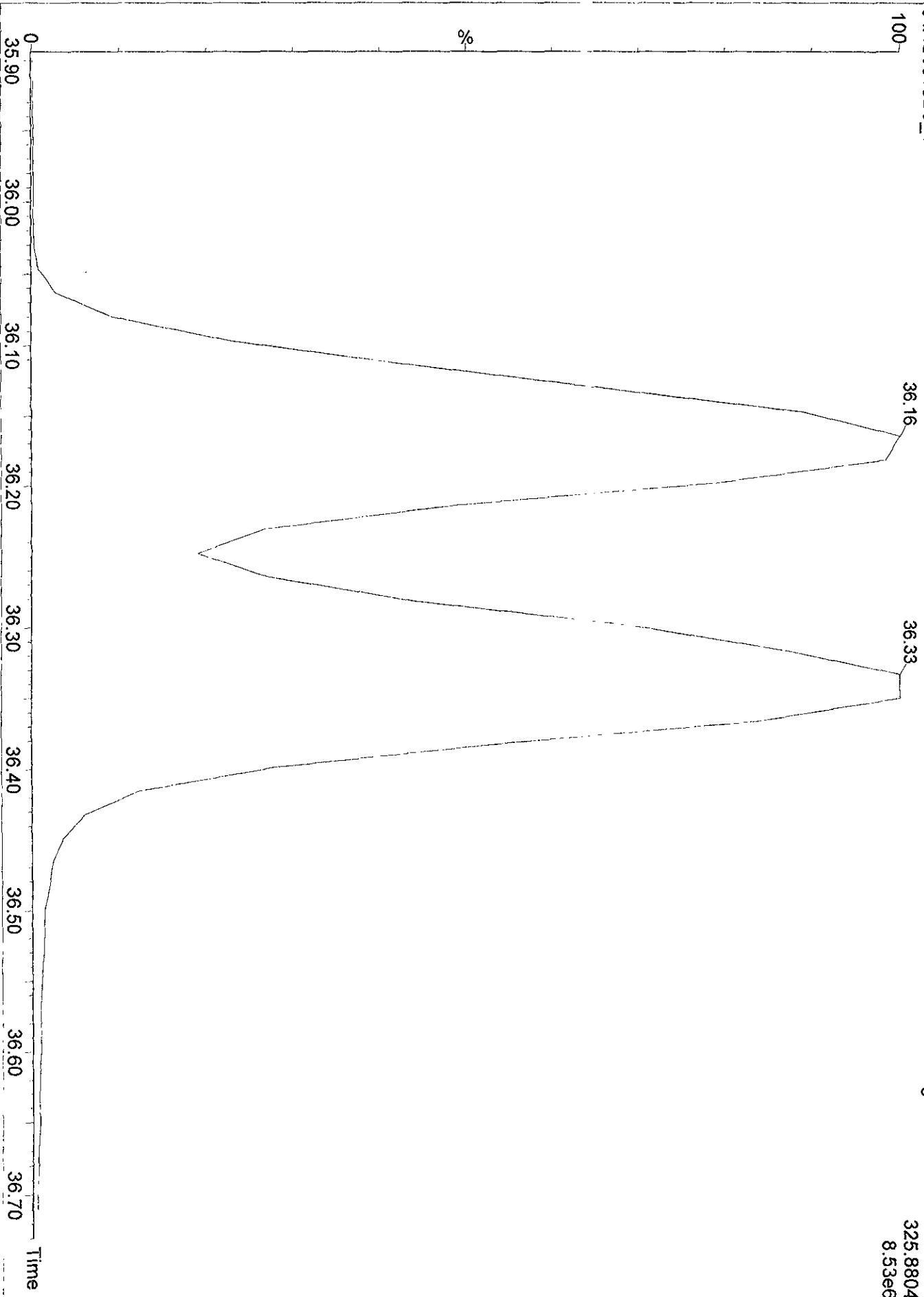
M 504.9696 R 10330



M 516.9697 R 10418



CS-3 09DXN207  
04AU0910D5\_1



3: Voltage SIR 17 Channels EI+  
325.8804  
8.53e6

Dataset: C:\MassLynx\Default.pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time

Printed: Wednesday, August 05, 2009 2:37:33 PM Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Aug 2009 09:10:07

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

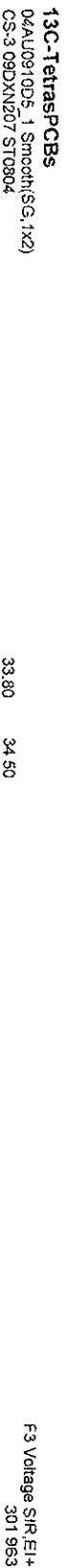
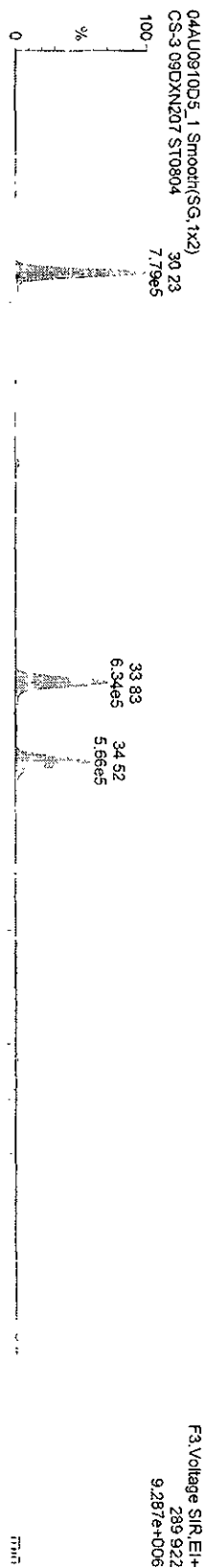
#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB 156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

Dataset: C:\Masslynx\Default\pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_1, Date: 04-Aug-2009, Time: 14:47:30, ID: ST0804, Description: CS-3 09DXN207

**TetraPCBs**



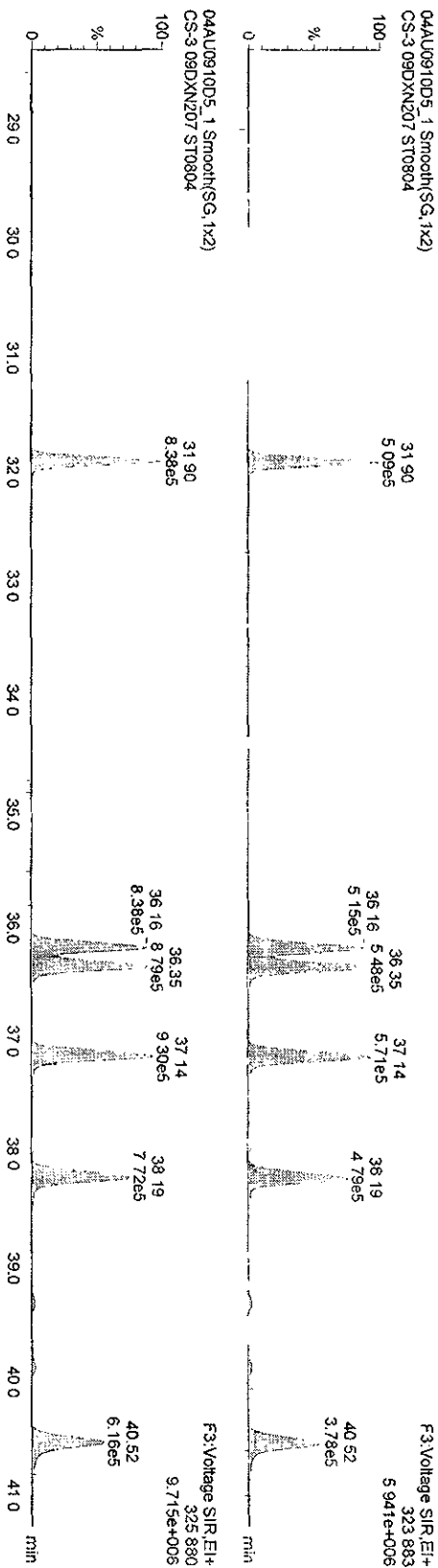


Dataset: C:\MassLynx\Default\proj\04AU0910D51668MSL.qid

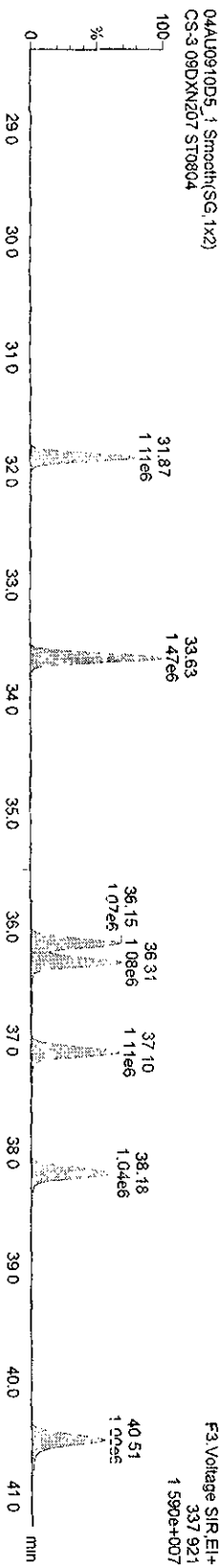
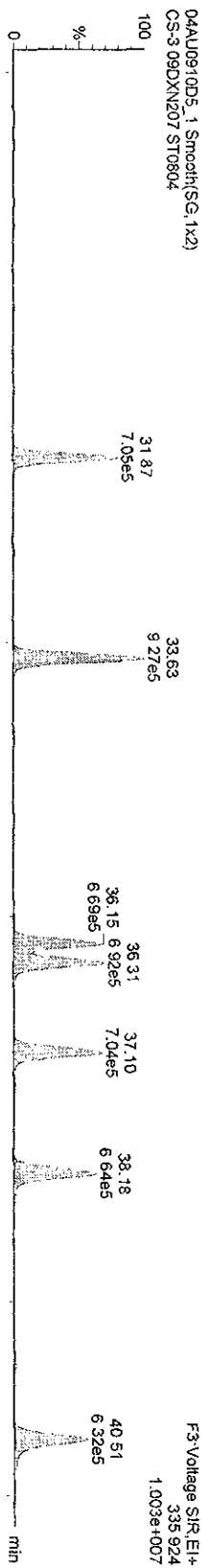
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
 Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_1, Date: 04-Aug-2009, Time: 14:47:30, ID: ST0804, Description: CS-3 09DXN207

PePCBs



13C-PePCBs

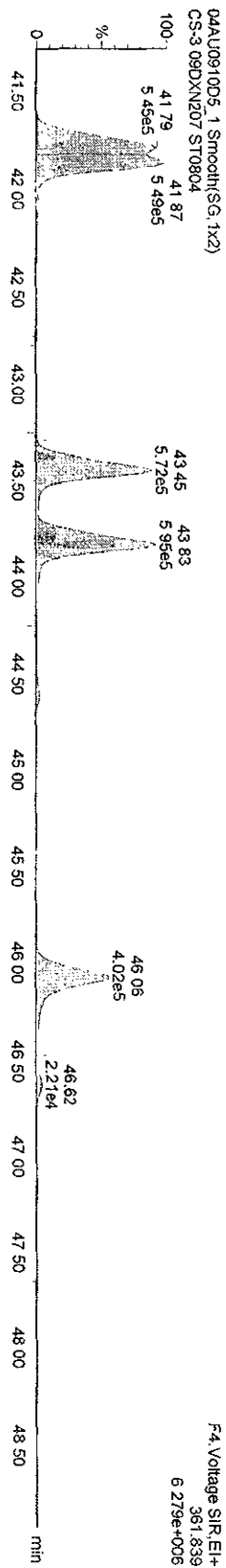
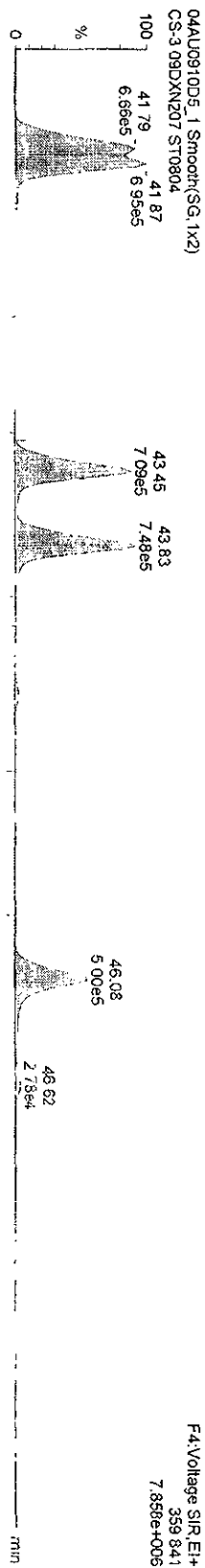


Dataset: C:\Masslynx\Default\pro\04AU0910D51668MSL.qld

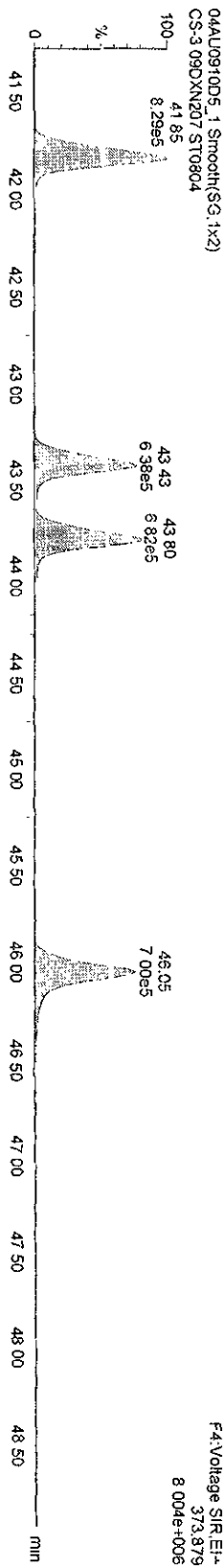
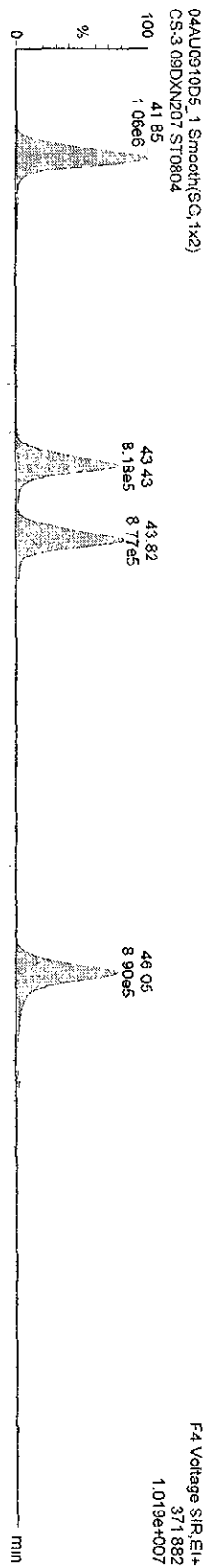
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_1, Date: 04-Aug-2009, Time: 14:47:30, ID: ST0804, Description: CS-3 09DXN207

HXPCBs-



13C-HXPCBs

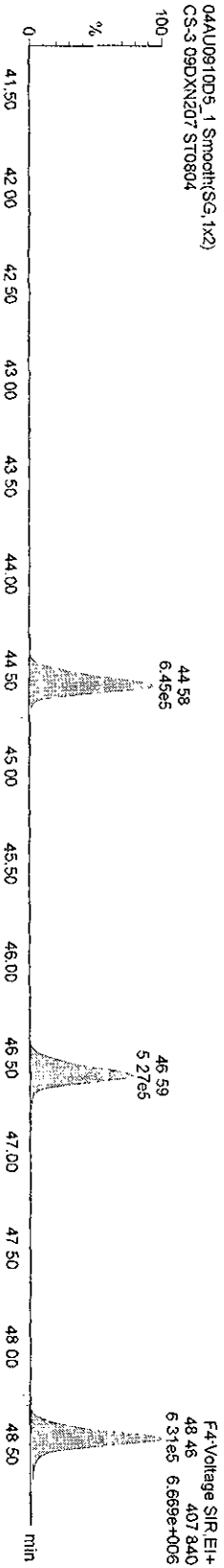
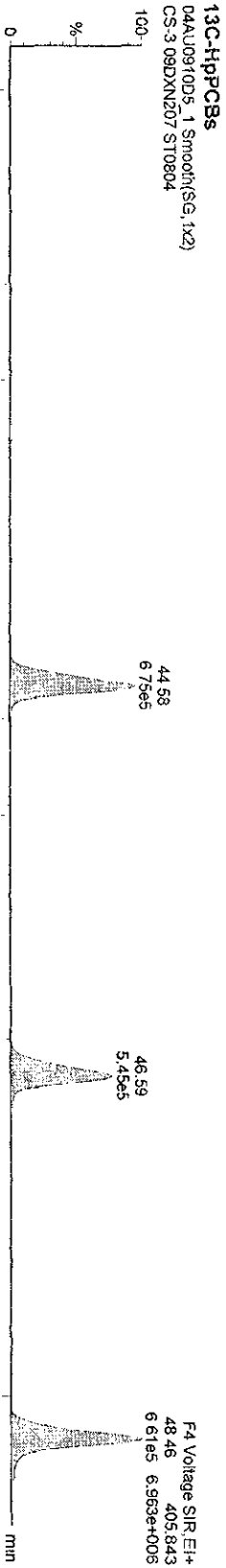
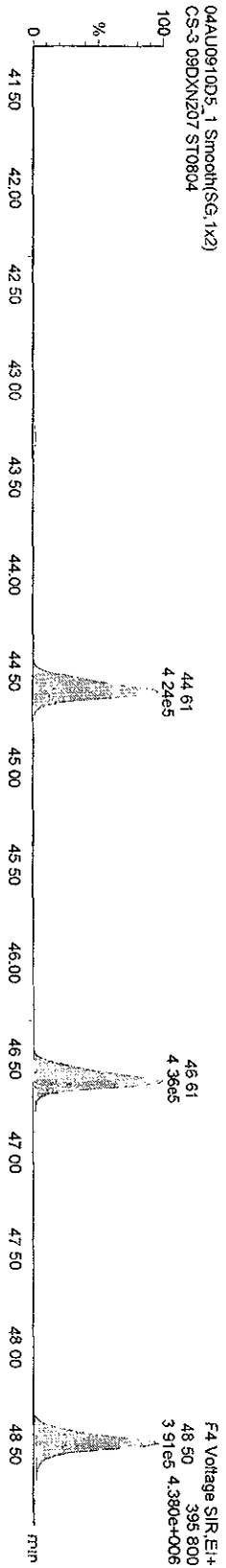
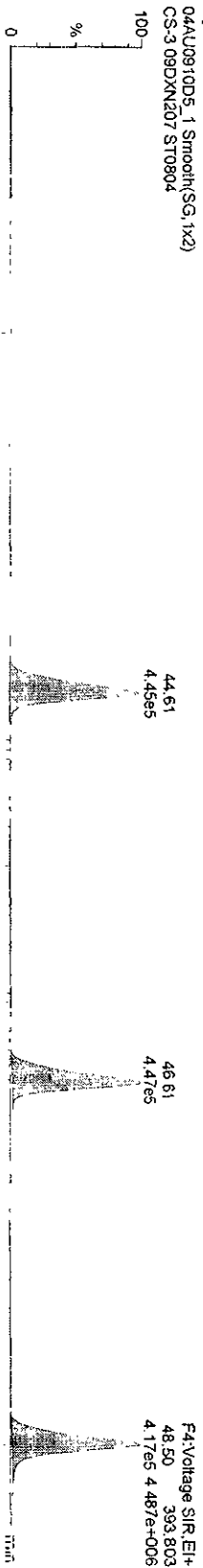


Dataset: C:\MassLynx\Default\pro\04AU0910D51668MSL.qld

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_1, Date: 04-Aug-2009, Time: 14:47:30, ID: ST0904, Description: CS-3 09DXN207

**HpPCBs**



Dataset: C:\Masslynx\Default\pro\04AU0910D51668MSL.qld

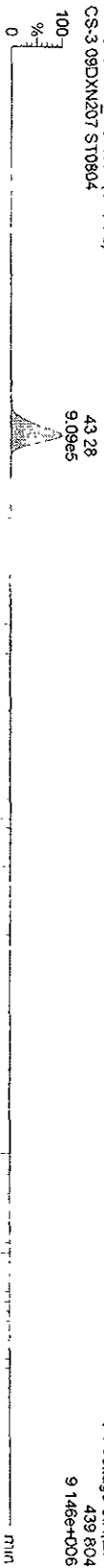
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time

Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

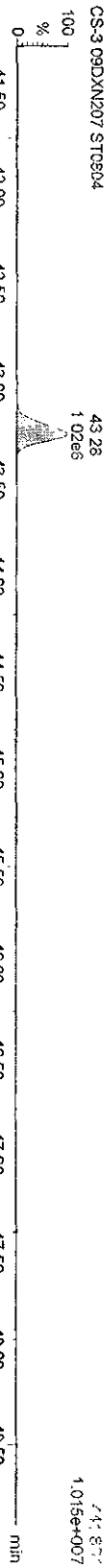
Name: 04AU0910D5\_1, Date: 04-Aug-2009, Time: 14:47:30, ID: ST0804, Description: CS-3 09DXN207

13C-OcCB-202

04AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0804

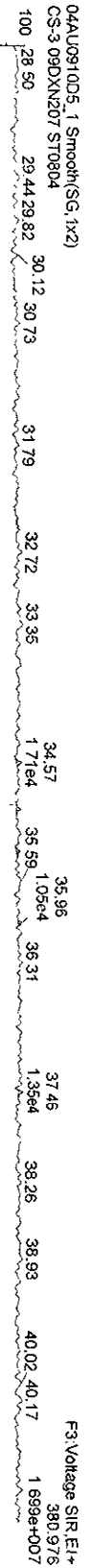


04AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0804



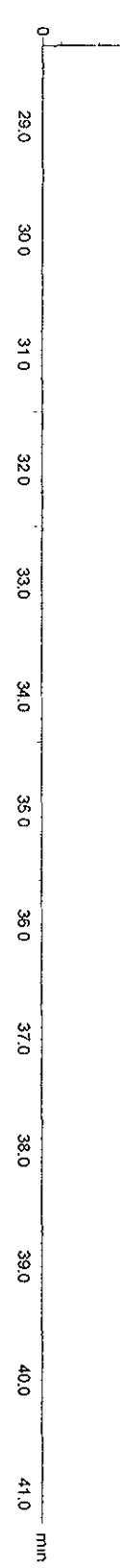
Function 3 PFK

04AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0804



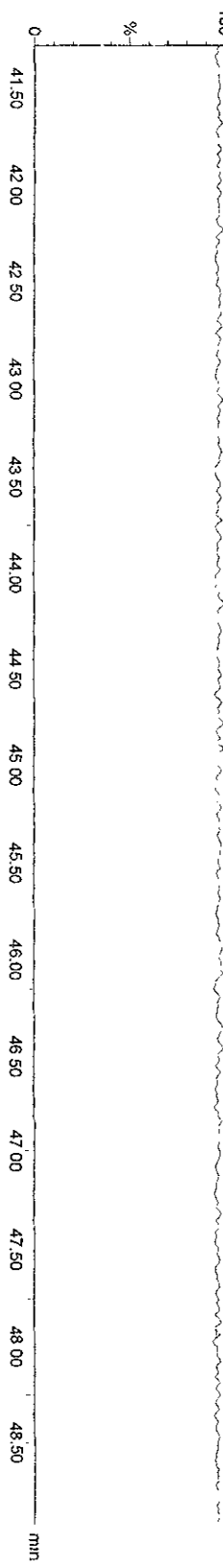
Function 4 PFK

04AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0804



Function 4 PFK

04AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0804



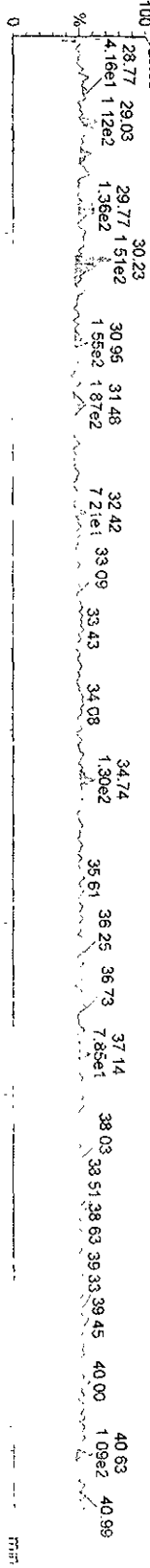
Dataset: C:\Masslynx\Default\pro\04AU0910D5\1668MSL.qid

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

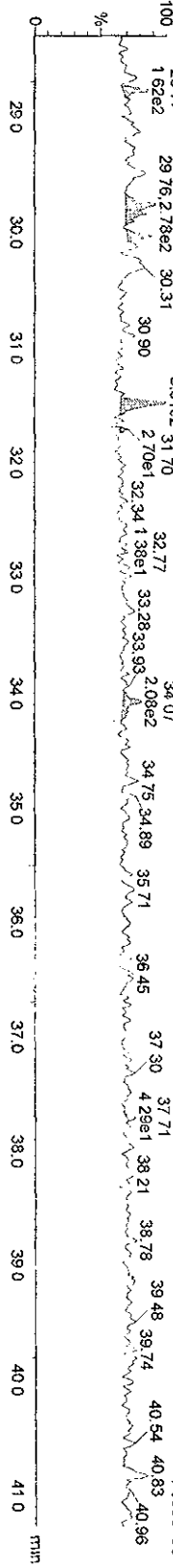
Name: 04AU0910D5\_3, Date: 04-Aug-2009, Time: 16:44:47, ID: SB0804, Description: Solvent Blank C-12

TetraPCBs

04AU0910D5\_3.Smooth(SG, 1x2)  
Solvent Blank C-12 SB0804

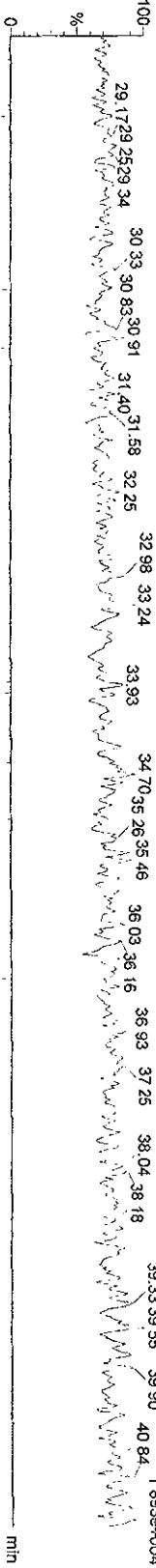


04AU0910D5\_3.Smooth(SG, 1x2)  
Solvent Blank C-12 SB0804

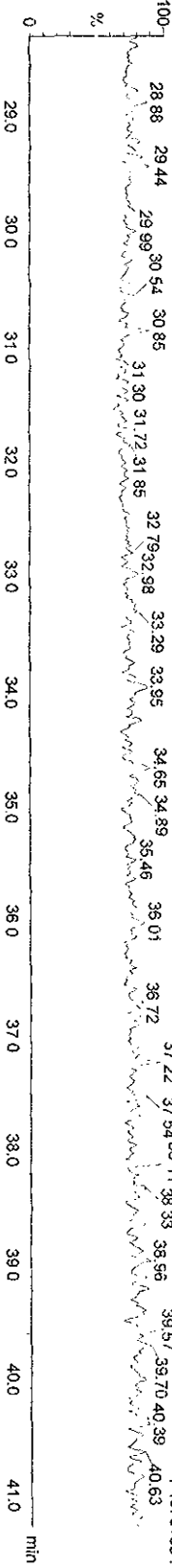


13C-TetraPCBs

04AU0910D5\_3.Smooth(SG, 1x2)  
Solvent Blank C-12 SB0804



04AU0910D5\_3.Smooth(SG, 1x2)  
Solvent Blank C-12 SB0804

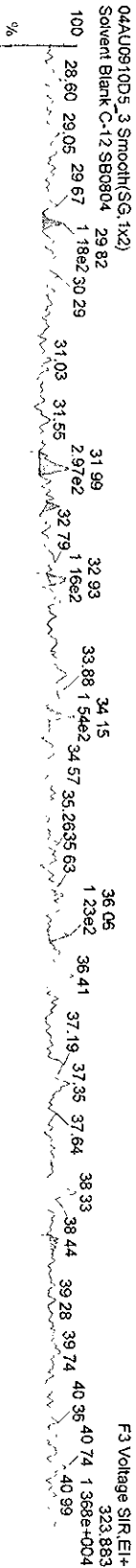


Dataset: C:\MassLynx\Default\pro104AU0910D51668MSL.gld

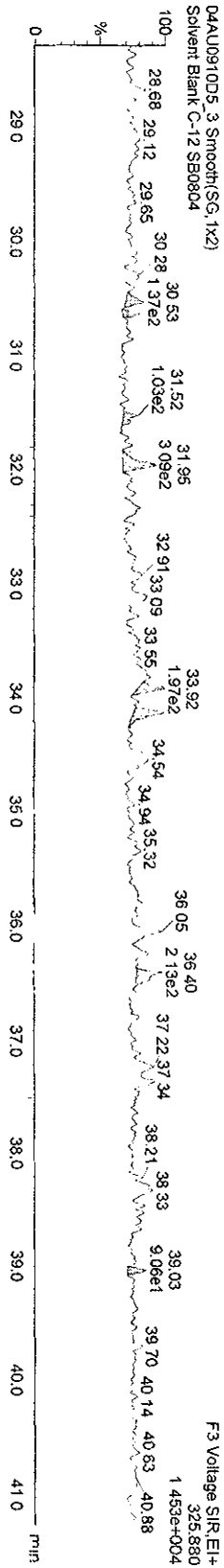
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_3, Date: 04-Aug-2009, Time: 16:44:47, ID: SB0804, Description: Solvent Blank C-12

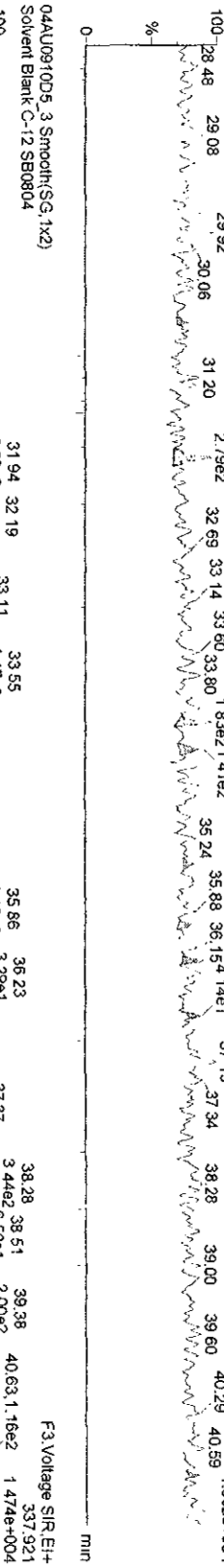
PePCBs



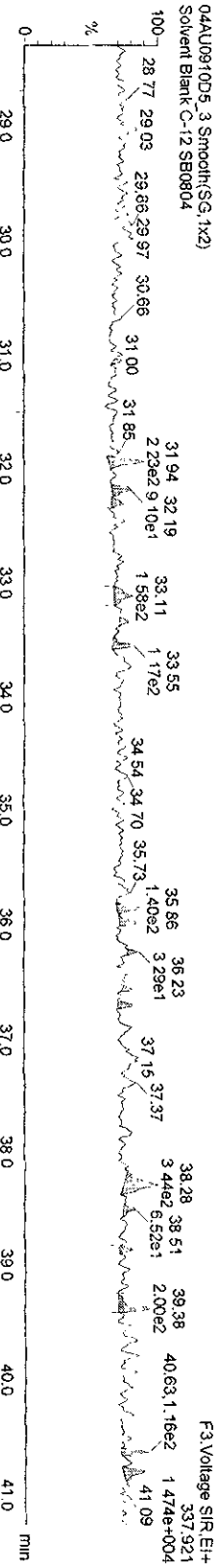
13C-PePCBs



13C-PePCBs



13C-PePCBs



Dataset C:\MassLynx\Default\pro\04AU0910D51668MSL.qld

Last Altered Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_3, Date: 04-Aug-2009, Time: 16:44:47, ID: SB0904, Description: Solvent Blank C-12

HXPCBs-

04AU0910D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0904  
100- 41.28  
41.53 41.82  
1.18e2 5.67e1 41.91 42.15 42.55 43.03 43.15 43.51 43.50 43.93 44.56 44.64 44.98 45.29 45.80 46.09 46.56 7.24e1 46.93 47.54 47.85 48.25 48.59 48.77  
F4 Voltage SIR\_EH+  
359.841  
2.099e+004

04AU0910D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0904  
100- 41.49 41.84,1 77e2 42.47 42.84 43.03 43.54 43.93 44.44 8.74e1 44.64 45.06 45.29 45.49 46.08 46.39 46.47 47.12 47.21 47.64 47.97 48.22 48.70 48.79  
F4 Voltage SIR\_EH+  
361.839  
1.275e+004

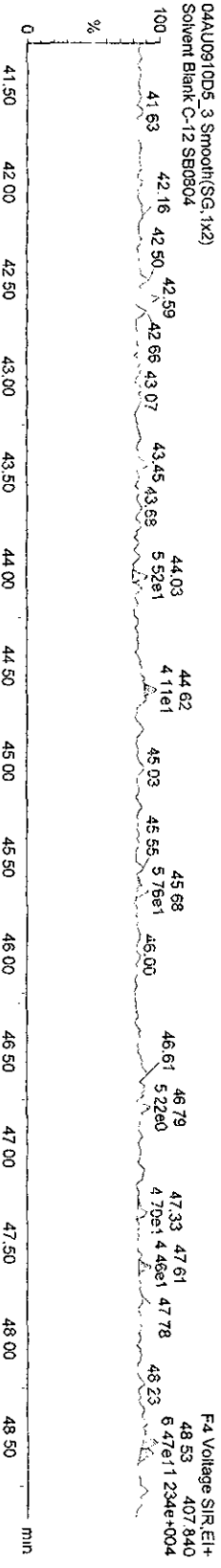
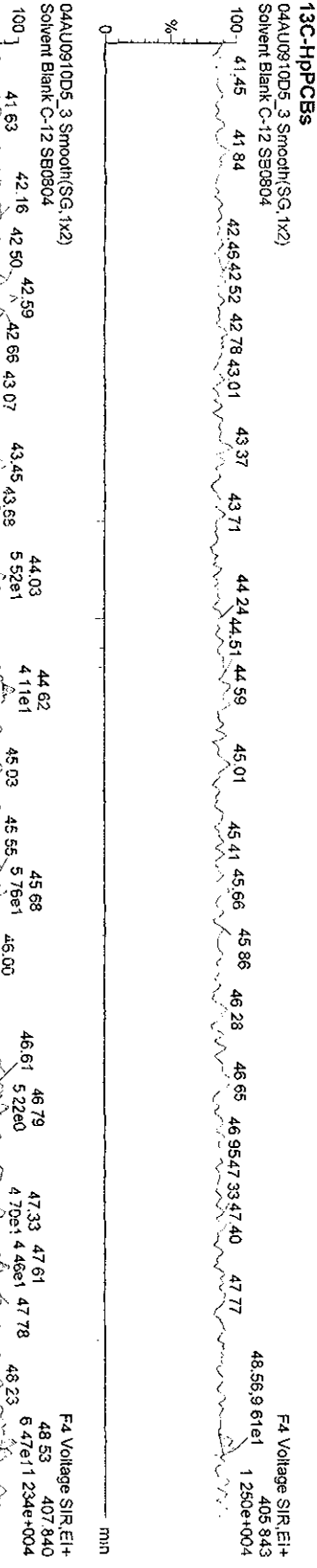
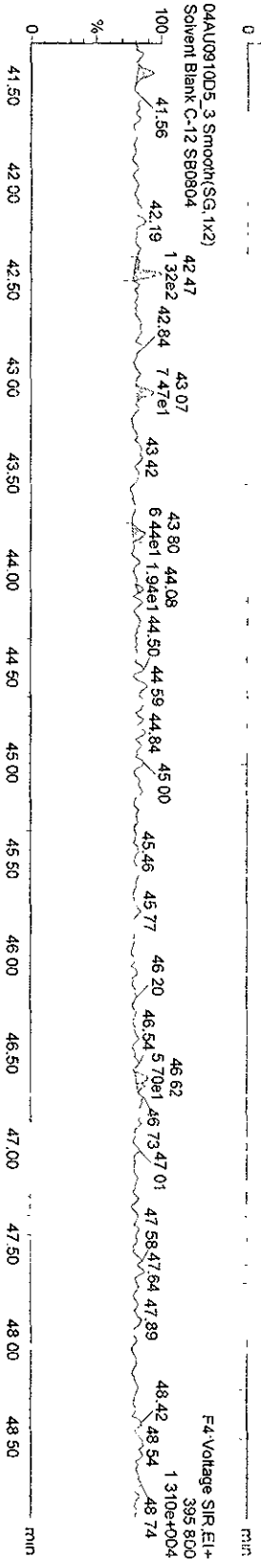
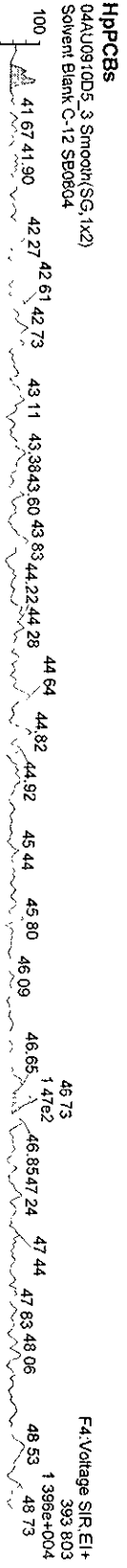
13C-HXPCBs  
04AU0910D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0904  
100- 41.34 41.91 42.18 42.49 42.69 43.07 43.51 7.17e1 43.63 43.91 44.08 44.50 44.76 45.18 45.51 45.97 46.11 1.87e1 46.59 46.96 47.41 47.50 47.72 48.14 48.53  
F4 Voltage SIR\_EH+  
371.882  
1.334e+004

04AU0910D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0904  
100- 41.28 41.91,1 07e2 42.16 42.44 42.84 43.17 43.51 43.90 4.33e1 44.05 44.34 44.67 44.84 45.29 45.49 45.60 46.22 46.30 46.50 47.02 47.23 47.85 47.98 48.09 48.57 1.267e+004  
F4 Voltage SIR\_EH+  
373.879  
1.267e+004

Dataset: C:\MassLynx\Default\pro\04AU0910D51668MSL.qid

Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_3, Date: 04-Aug-2009, Time: 16:44:47, ID: SB0804, Description: Solvent Blank C-12



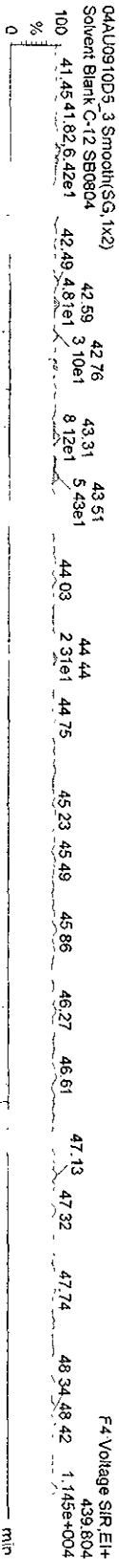


Dataset C:\MassLynx\Default\proj\04AU0910D51668MSL.qld

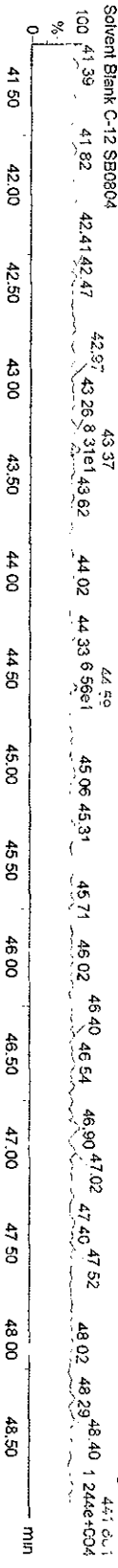
Last Altered: Wednesday, August 05, 2009 2:34:59 PM Pacific Daylight Time  
Printed: Wednesday, August 05, 2009 2:35:58 PM Pacific Daylight Time

Name: 04AU0910D5\_3, Date: 04-Aug-2009, Time: 16:44:47, ID: SB0904, Description: Solvent Blank C-12

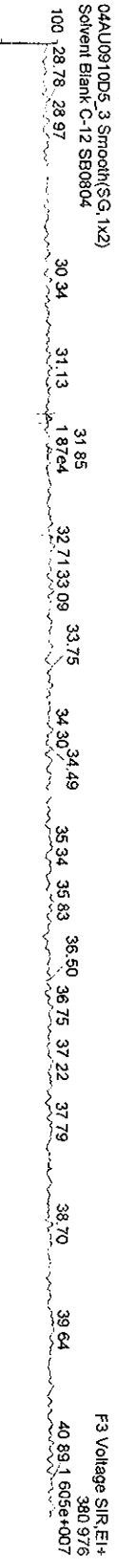
13C-OcCB-202



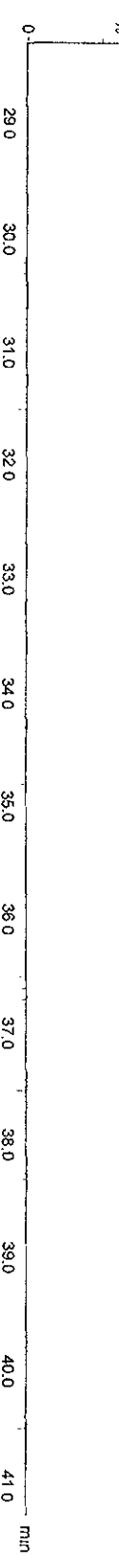
04AU0910D5\_3 Smooth(SG, 1x2)



Function 3 PFK



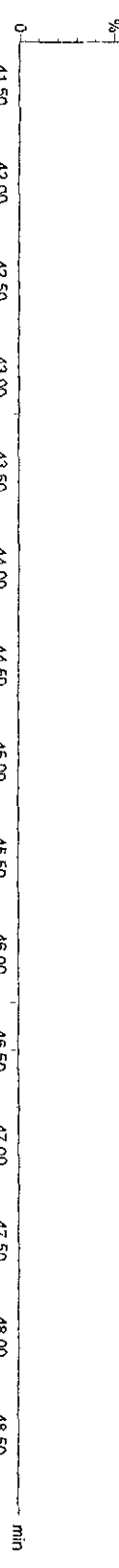
04AU0910D5\_3 Smooth(SG, 1x2)



Function 4 PFK



04AU0910D5\_3 Smooth(SG, 1x2)



Solvent Blank C-12 SB0804



## **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID TCA0716200910DS1668M

Method ID 1668M Date Scanned \_\_\_\_\_

Column ID DB-5 Instrument ID 1035

STD ID's ST0716, ST0716A, ST0716B, ST0716C, ST0716D STD Solution C9DXN (-205, -206, 207, -208, -2

GC Program 1668M10DF Multiplier Setting 3Sec

Analyzed By S.M.A Date Analyzed 7-16-09

Prepared By S.M.A Date Prepared 7-17-09

Reviewed By KSS Date Reviewed 7/17/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for toxic and/or window defining natives (LOC natives.) All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%; S/N ≥ 5

1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 5

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:58 PM Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668M10DB5.mdb 16 Jul 2009 17:05:33

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668M.cdb 16 Jul 2009 17:29:50

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-MoCB-3	1.38845	0.03864	2.78262
2	MoCB-1	1.38571	0.04268	3.08004
3	MoCB-3	1.25915	0.03940	3.12909
4	Total MoCB	1.32243	0.03893	2.94356
5				
6	13C-DiCB-15	1.70222	0.03212	1.88681
7	DiCB-4/10	0.69366	0.02044	2.94714
8	DiCB-8/5	0.51024	0.01446	2.83475
9	DiCB-15	0.76669	0.01844	2.40566
10	Total DiCB	0.65686	0.01724	2.62386
11				
12	13C-TrCB-28	1.35659	0.02435	1.79479
13	TrCB-30	1.46403	0.03033	2.07174
14	TrCB-18	1.24888	0.04926	3.94416
15	Total F1 TrCB	1.35645	0.03890	2.86762
16	TrCB-31	1.47193	0.03919	2.66266
17	TrCB-28	1.47144	0.05064	3.44159
18	TrCB-37	1.26695	0.08180	3.45638
19	Total F2 TrCB	1.40344	0.05368	3.82512
20				
21	13C-TeCB-52	1.00000	0.00000	0.00000
22				
23	13C-TeCB-81	1.03984	0.01876	1.80442
24	13C-TeCB-77	1.10430	0.02395	2.16846
25	TeCB-54	1.41398	0.04220	2.98416
26	TeCB-52/73	1.12730	0.06389	5.66720
27	TeCB-47/75/48	1.30584	0.05319	4.07307
28	TeCB-44	0.98730	0.04828	4.89060
29	Total F2 TeCB	1.20861	0.05136	4.24960
30	TeCB-66/80	1.74077	0.07530	4.32552
31	TeCB-81	1.45839	0.09101	3.24018
32	TeCB-77	1.27061	0.03972	3.12612
33	Total F3 TeCB	1.48992	0.06409	4.30165
34				
35	13C-PeCB-101	1.00000	0.00000	0.00000
36				
37	13C-PeCB-123	0.99324	0.02725	2.74393
38	PeCB-104	1.51630	0.04696	3.09684
39	Total F2 PeCB	1.51630	0.04696	3.09684
40	PeCB-101/89/90	1.35828	0.06273	4.61811
41	PeCB-123	1.50539	0.08455	5.61640
42	13C-PeCB-118	1.02407	0.01724	1.68314
43	PeCB-118/106	1.52536	0.06935	4.54642
44	13C-PeCB-114	1.03691	0.02519	2.42948
45	PeCB-114	1.58603	0.05970	3.76433
46	13C PeCB-105	0.98151	0.01958	1.99471

Dataset: C:\MassLynx\Default pro\CA0716200910D51668M.qld

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#	Name	RRF Mean	RRF SD	RRF %Rel SD
47	PeCB-105/127	1.43326	0.05014	3.49836
48	13C-PeCB-126	1.02999	0.02184	2.12049
49	PeCB-126	1.15582	0.04646	4.01955
50	Total F3 PeCB	1.42736	0.06014	4.21310
51				
52	13C-OcCB-202	1.00000	0.00000	0.00000
53				
54	13C-HxCB-167	1.00247	0.01721	1.71682
55	HxCB-155	1.62299	0.06700	4.12816
56	HxCB-153	1.54968	0.05450	3.51715
57	HxCB-137	1.35366	0.03822	2.82312
58	HxCB-138/163/164	1.40848	0.06499	4.61401
59	Total F3 HxCB	1.48370	0.05408	3.64477
60	HxCB-128	1.25831	0.08752	6.95511
61	HxCB-167	1.34796	0.06034	4.47618
62	13C-HxCB-156	0.78510	0.01507	1.91900
63	HxCB-156	1.68840	0.05542	3.28237
64	13C-HxCB-157	0.83526	0.01601	1.91658
65	HxCB-157	1.65965	0.05667	3.41485
66	13C-HxCB-169	0.87128	0.02462	2.82576
67	HxCB-169	1.09832	0.02559	2.33030
68	Total F4 HxCB	1.41053	0.04676	3.31499
69				
70	13C-HpCB-180	0.68403	0.01367	1.99870
71	HpCB-188	2.10927	0.06660	3.15731
72	HpCB-187/182	1.98689	0.06901	3.47352
73	Total F3 HpCB	2.04808	0.06624	3.23445
74	HpCB-180	1.30035	0.04355	3.34919
75	13C-HpCB-170	0.54773	0.01278	2.33274
76	HpCB-170/190	1.61501	0.04613	2.85608
77	13C-HpCB-189	0.69767	0.02417	3.46390
78	HpCB-189	1.23073	0.02024	1.64439
79	Total F4 HpCB	1.38203	0.02868	2.07515
80				
81	13C-OcCB-194	0.46585	0.01075	2.30791
82	OcCB-202	2.22473	0.04413	1.98358
83	Total F4 OcCB	2.22473	0.04413	1.98358
84	OcCB-195	1.81935	0.10006	5.49976
85	OcCB-194	1.41719	0.02710	1.91222
86	Total F5 OcCB	1.61827	0.05896	3.64342
87				
88	13C-NoCB-208	0.75959	0.01321	1.73877
89	NoCB-208	1.06905	0.02762	2.58404
90	NoCB-206	0.72050	0.03079	4.27303
91	Total NoCB	0.89477	0.02885	3.22483
92				
93	13C-DeCB-209	0.55323	0.00785	1.41876
94	DeCB-209	1.31861	0.03844	2.91546
95				
96	13C-MoCB-1	1.30836	0.02090	1.59739

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
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#	Name	RRF Mean	RRF SD	RRF %Rel SD
97	13C-DiCB-4	0.74585	0.01758	2.35681
98	13C-TrCB-19	0.84405	0.01755	2.07887
99	13C-TeCB-54	1.28400	0.02666	2.07623
100	13C-PeCB-111	1.30475	0.02157	1.65310
101				
102	13C-HxCB-138	1.04381	0.01726	1.65309
103				
104				
105	Function 1 PFK			
106	Function 2 PFK			
107	Function 3 PFK			
108	Function 4 PFK			
109	Function 5 PFK			

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668M10DB5.mdb 16 Jul 2009 17:05:33

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668M.cdb 16 Jul 2009 17:29:50

Sample Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

#	Name	Trace	RT	Std. Conc.	Response	RRF	Ratio (Act...)	Ratio Flag	Mod Date
1	13C-MoCB-3	200.0795	14.14	100.0	1875930	1.38841	3.182	NO	
2	MoCB-1	188.03	12.18	1.0	24721	1.31780	3.000	NO	
3	MoCB-3	188.03...	14.15	1.0	23008	1.22650	3.058	NO	
4	Total MoCB	188.03		1.0					
5				0.0					
6	13C-DiCB-15	234.041	20.48	100.0	2308750	1.70874	1.587	NO	
7	DiCB-4/10	222.000	15.29	1.0	15253	0.66065			
8	DiCB-8/5	222.000	17.68	2.0	22576	0.48892			
9	DiCB-15	222.000	20.50	1.0	17009	0.73670			
10	Total DiCB	222.000		1.0					
11				0.0					
12	13C-TrCB-28	268.002	23.41	100.0	1837906	1.36026	1.073	NO	
13	TrCB-30	255.961	19.45	1.0	26467	1.44008	1.094	NO	
14	TrCB-18	255.961	20.33	1.0	21698	1.18060	1.079	NO	
15	Total F1 TrCB	255.961		1.0					
16	TrCB-31	255.961	23.33	1.0	26089	1.41947	1.009	NO	
17	TrCB-28	255.961	23.43	1.0	26243	1.42790	1.092	NO	
18	TrCB-37	255.961	27.49	1.0	21288	1.15830	1.044	NO	
19	Total F2 TrCB	255.961		1.0					
20				0.0					
21	13C-TeCB-52	301.963	25.75	100.0	1351140	1.00000	0.785	NO	
22				0.0					
23	13C-TeCB-81	301.963	33.80	100.0	1303558	1.05253	0.781	NO	
24	13C-TeCB-77	301.963	34.49	100.0	1366661	1.10348	0.785	NO	
25	TeCB-54	289.9224	22.49	1.0	18114	1.35673	0.772	NO	
26	TeCB-52/73	289.9224	25.77	1.0	13766	1.03110	0.772	NO	
27	TeCB-47/75/48	289.9224	26.28	1.0	16384	1.22716	0.841	NO	
28	TeCB-44	289.9224	27.20	1.0	12235	0.91642	0.717	NO	
29	Total F2 TeCB	289.922		1.0					
30	TeCB-66/80	289.922	30.24	1.0	22356	1.67446	0.734	NO	
31	TeCB-81	289.922	33.82	1.0	17272	1.32496	0.713	NO	
32	TeCB-77	289.922	34.52	1.0	17201	1.25859	0.692	NO	
33	Total F3 TeCB	289.922		1.0					
34				0.0					
35	13C-PeCB-101	335.924	31.89	100.0	1238504	1.00000	0.623	NO	
36				0.0					
37	13C-PeCB-123	335.924	36.15	100.0	1250798	1.00993	0.630	NO	
38	PeCB-104	323.883	26.92	1.0	18550	1.44270	0.623	NO	
39	Total F2 PeCB	323.883		1.0					
40	PeCB-101/89/90	323.883	31.92	1.0	16331	1.27016	0.633	NO	
41	PeCB-123	323.883	36.18	1.0	17822	1.42486	0.649	NO	
42	13C-PeCB-118	335.924	36.31	100.0	1303385	1.05239	0.638	NO	
43	PeCB-118/106	323.883	36.35	1.0	18785	1.44126	0.590	NO	
44	13C-PeCB-114	335.924	37.10	100.0	1308817	1.05677	0.632	NO	
45	PeCB-114	323.883	37.14	1.0	19667	1.50269	0.608	NO	

Handwritten notes: 17201 (100) → 1.25859 ✓  
 1366661 (1) → 1.10348 ✓  
 7/17/09  
 MS

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

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Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod. Date
46	13C-PeCB-105	335.924	38.18	100.0	1247364	1.00715	0.630	NO	
47	PeCB-105/127	323.883	38.21	1.0	17028	1.36510	0.657	NO	
48	13C-PeCB-126	335.924	40.51	100.0	1318474	1.06457	0.617	NO	
49	PeCB-126	323.883	40.51	1.0	14763	1.11971	0.612	NO	
50	Total F3 PeCB	323.883		1.0					
51				0.0					
52	13C-OcCB-202	439.804	43.29	100.0	1410958	1.00000	0.898	NO	
53				0.0					
54	13C-HxCB-167	371.882	41.85	100.0	1437394	1.01874	1.287	NO	
55	HxCB-155	359.841	31.27	1.0	19305	1.52569	1.275	NO	
56	HxCB-153	359.841	37.94	1.0	18732	1.48046	1.275	NO	
57	HxCB-137	359.841	39.32	1.0	16742	1.32317	1.312	NO	
58	HxCB-138/163/164	359.841	39.87	1.0	16549	1.30788	1.316	NO	
59	Total F3 HxCB	359.841		1.0					
60	HxCB-128	359.841	41.79	1.0	14308	1.13082	1.169	NO	
61	HxCB-167	359.841	41.87	1.0	19668	1.36831	1.291	NO	
62	13C-HxCB-156	371.882	43.43	100.0	1133192	0.80314	1.291	NO	
63	HxCB-156	359.841	43.45	1.0	18969	1.67395	1.142	NO	
64	13C-HxCB-157	371.882	43.82	100.0	1209820	0.85745	1.273	NO	
65	HxCB-157	359.841	43.83	1.0	19507	1.61239	1.155	NO	
66	13C-HxCB-169	371.882	46.05	100.0	1280840	0.90778	1.268	NO	
67	HxCB-169	359.841	46.08	1.0	13786	1.07630	1.297	NO	
68	Total F4 HxCB	359.841		1.0					
69				0.0					
70	13C-HpCB-180	405.843	44.59	100.0	985244	0.69828	1.054	NO	
71	HpCB-188	393.803	37.47	1.0	19196	2.04403	1.078	NO	
72	HpCB-187/182	393.803	41.08	1.0	17721	1.88698	1.078	NO	
73	Total F3 HpCB	393.803		1.0					
74	HpCB-180	393.803	44.62	1.0	13178	1.33751	1.134	NO	
75	13C-HpCB-170	405.843	46.61	100.0	795719	0.56396	1.060	NO	
76	HpCB-170/190	393.803	46.64	1.0	12327	1.54915	1.029	NO	
77	13C-HpCB-189	405.843	48.48	100.0	1036343	0.73450	1.048	NO	
78	HpCB-189	393.803	48.50	1.0	12596	1.21545	1.055	NO	
79	Total F4 HpCB	393.803		1.0					
80				0.0					
81	13C-OcCB-194	439.804	50.48	100.0	672842	0.47687	0.903	NO	
82	OcCB-202	427.764	43.32	1.0	14770	2.19519	0.887	NO	
83	Total F4 OcCB	427.764		1.0					
84	OcCB-195	427.764	49.41	1.0	11343	1.68578	0.809	NO	
85	OcCB-194	427.764	50.50	1.0	9560	1.42082	0.952	NO	
86	Total F5 OcCB	427.764		1.0					
87				0.0					
88	13C-NoCB-208	473.765	49.31	100.0	1095790	0.77663	0.801	NO	
89	NoCB-208	461.724	49.32	1.0	11387	1.03914	0.718	NO	
90	NoCB-206	461.724	52.36	1.0	7634	0.69665	0.803	NO	
91	Total NoCB	461.724		1.0					
92				0.0					
93	13C-DeCB-209	507.726	53.70	100.0	781754	0.55406	0.704	NO	
94	DeCB-209	495.686	53.72	1.0	9872	1.26276	0.675	NO	



Dataset: C:\MassLynx\Default.pro\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

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Sample Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...)	Ratio Flag	Mod.Date
95				0.0					
96	13C-MoCB-1	200.0795	12.17	100.0	2488064	1.32631	3.127	NO	
97	13C-DiCB-4	234.041	15.27	100.0	1712774	0.74186	1.543	NO	
98	13C-TrCB-19	268.002	18.89	100.0	1569591	0.85401	1.071	NO	
99	13C-TeCB-54	301.963	22.47	100.0	1714846	1.28442	0.786	NO	
100	13C-PeCB-111	335.924	33.65	100.0	1685311	1.31074	0.635	NO	
101				0.0					
102	13C-HxCB-138	371.882	39.85	100.0	1294615	1.02316	1.298	NO	
103				0.0					
104				0.0					
105	Function 1 PFK	218.986		1.0					
106	Function 2 PFK	330.979		1.0					
107	Function 3 PFK	380.976		1.0					
108	Function 4 PFK	380.976		1.0					
109	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Sample Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod Date
1	13C-MoCB-3	200.0795	14.15	100.0	1860671	1.40439	3.199	NO	
2	MoCB-1	188.03	12.19	5.0	127670	1.37230	3.124	NO	
3	MoCB-3	188.03	14.16	5.0	112557	1.20985	3.184	NO	
4	Total MoCB	188.03		5.0					
5				0.0					
6	13C-DiCB-15	234.041	20.49	100.0	2248672	1.69724	1.575	NO	
7	DiCB-4/10	222.000	15.30	5.0	77758	0.69159			
8	DiCB-8/5	222.000	17.68	10.0	112932	0.50222			
9	DiCB-15	222.000	20.50	5.0	85736	0.76255			
10	Total DiCB	222.000		5.0					
11				0.0					
12	13C-TrCB-28	268.002	23.42	100.0	1805379	1.36265	1.062	NO	
13	TrCB-30	255.961	19.47	5.0	129012	1.42919	1.048	NO	
14	TrCB-18	255.961	20.33	5.0	110025	1.21885	1.091	NO	
15	Total F1 TrCB	255.961		5.0					
16	TrCB-31	255.961	23.34	5.0	132064	1.46300	1.019	NO	
17	TrCB-28	255.961	23.44	5.0	127345	1.41073	1.017	NO	
18	TrCB-37	255.961	27.49	5.0	108605	1.20312	0.995	NO	
19	Total F2 TrCB	255.961		5.0					
20				0.0					
21	13C-TeCB-52	301.963	25.75	100.0	1324899	1.00000	0.797	NO	
22				0.0					
23	13C-TeCB-81	301.963	33.82	100.0	1243046	1.03433	0.797	NO	
24	13C-TeCB-77	301.963	34.50	100.0	1317969	1.09667	0.797	NO	
25	TeCB-54	289.9224	22.50	5.0	89310	1.39491	0.761	NO	
26	TeCB-52/73	289.9224	25.78	5.0	70338	1.09860	0.810	NO	
27	TeCB-47/75/48	289.9224	26.30	5.0	81676	1.27569	0.773	NO	
28	TeCB-44	289.9224	27.22	5.0	61370	0.95852	0.802	NO	
29	Total F2 TeCB	289.922		5.0					
30	TeCB-66/80	289.922	30.24	5.0	105560	1.64872	0.731	NO	
31	TeCB-81	289.922	33.83	5.0	87542	1.40851	0.717	NO	
32	TeCB-77	289.922	34.52	5.0	79941	1.21310	0.741	NO	
33	Total F3 TeCB	289.922		5.0					
34				0.0					
35	13C-PeCB-101	335.924	31.90	100.0	1201788	1.00000	0.630	NO	
36				0.0					
37	13C-PeCB-123	335.924	36.16	100.0	1207195	1.00450	0.620	NO	
38	PeCB-104	323.883	26.92	5.0	92212	1.51620	0.614	NO	
39	Total F2 PeCB	323.883		5.0					
40	PeCB-101/89/90	323.883	31.92	5.0	79982	1.31511	0.613	NO	
41	PeCB-123	323.883	36.18	5.0	84618	1.40190	0.624	NO	
42	13C-PeCB-118	335.924	36.33	100.0	1219974	1.01513	0.633	NO	
43	PeCB-118/106	323.883	36.35	5.0	89482	1.46696	0.646	NO	
44	13C-PeCB-114	335.924	37.12	100.0	1249215	1.03946	0.647	NO	
45	PeCB-114	323.883	37.14	5.0	96578	1.54621	0.612	NO	
46	13C-PeCB-105	335.924	38.19	100.0	1174371	0.97719	0.628	NO	
47	PeCB-105/127	323.883	38.21	5.0	82035	1.39708	0.619	NO	
48	13C-PeCB-126	335.924	40.51	100.0	1231019	1.02432	0.623	NO	
49	PeCB-126	323.883	40.54	5.0	67459	1.09599	0.630	NO	

Dataset: C:\MassLynx\Default pro\ICA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act.)	Ratio Flag	Mod. Date
50	Total F3 PeCB	323.883		5.0					
51				0.0					
52	13C-OcCB-202	439.804	43.31	100.0	1363855	1.00000	0.891	NO	
53				0.0					
54	13C-HxCB-167	371.882	41.87	100.0	1360620	0.99763	1.270	NO	
55	HxCB-155	359.841	31.27	5.0	95195	1.61413	1.255	NO	
56	HxCB-153	359.841	37.96	5.0	89720	1.52129	1.241	NO	
57	HxCB-137	359.841	39.33	5.0	77156	1.30825	1.294	NO	
58	HxCB-138/163/164	359.841	39.89	5.0	81651	1.38447	1.287	NO	
59	Total F3 HxCB	359.841		5.0					
60	HxCB-128	359.841	41.81	5.0	72277	1.22553	1.206	NO	
61	HxCB-167	359.841	41.88	5.0	86045	1.26479	1.229	NO	
62	13C-HxCB-156	371.882	43.45	100.0	1065694	0.78138	1.285	NO	
63	HxCB-156	359.841	43.46	5.0	85122	1.59750	1.186	NO	
64	13C-HxCB-157	371.882	43.83	100.0	1123200	0.82355	1.286	NO	
65	HxCB-157	359.841	43.85	5.0	89045	1.58556	1.238	NO	
66	13C-HxCB-169	371.882	46.06	100.0	1168591	0.85683	1.282	NO	
67	HxCB-169	359.841	46.08	5.0	62351	1.06712	1.221	NO	
68	Total F4 HxCB	359.841		5.0					
69				0.0					
70	13C-HpCB-180	405.843	44.61	100.0	925688	0.67873	1.035	NO	
71	HpCB-188	393.803	37.49	5.0	88432	2.04388	1.046	NO	
72	HpCB-187/182	393.803	41.08	5.0	84138	1.94462	1.018	NO	
73	Total F3 HpCB	393.803		5.0					
74	HpCB-180	393.803	44.62	5.0	56871	1.22872	1.063	NO	
75	13C-HpCB-170	405.843	46.61	100.0	738016	0.54112	1.062	NO	
76	HpCB-170/190	393.803	46.64	5.0	58449	1.58394	1.019	NO	
77	13C-HpCB-189	405.843	48.50	100.0	932310	0.68358	1.049	NO	
78	HpCB-189	393.803	48.51	5.0	56109	1.20366	1.059	NO	
79	Total F4 HpCB	393.803		5.0					
80				0.0					
81	13C-OcCB-194	439.804	50.48	100.0	631459	0.46300	0.913	NO	
82	OcCB-202	427.764	43.32	5.0	70207	2.22363	0.880	NO	
83	Total F4 OcCB	427.764		5.0					
84	OcCB-195	427.764	49.42	5.0	55060	1.74390	0.861	NO	
85	OcCB-194	427.764	50.51	5.0	43509	1.37806	0.865	NO	
86	Total F5 OcCB	427.764		5.0					
87				0.0					
88	13C-NoCB-208	473.765	49.32	100.0	1020145	0.74799	0.801	NO	
89	NoCB-208	461.724	49.34	5.0	53289	1.04473	0.772	NO	
90	NoCB-206	461.724	52.36	5.0	35185	0.68980	0.789	NO	
91	Total NoCB	461.724		5.0					
92				0.0					
93	13C-DeCB-209	507.726	53.72	100.0	745327	0.54649	0.715	NO	
94	DeCB-209	495.686	53.73	5.0	48235	1.29433	0.711	NO	
95				0.0					
96	13C-MoCB-1	200.0795	12.18	100.0	2462242	1.32331	3.072	NO	
97	13C-DiCB-4	234.041	15.28	100.0	1704211	0.75787	1.538	NO	
98	13C-TrCB-19	268.002	18.91	100.0	1529542	0.84721	1.085	NO	

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Sample Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod.Date
99	13C-TeCB-54	301.963	22.47	100.0	1669509	1.30379	0.796	NO	
100	13C-PeCB-111	335.924	33.66	100.0	1588090	1.30561	0.634	NO	
101				0.0					
102	13C-HxCB-138	371.882	39.87	100.0	1236542	1.04834	1.261	NO	
103				0.0					
104				0.0					
105	Function 1 PFK	218.986		1.0					
106	Function 2 PFK	330.979		1.0					
107	Function 3 PFK	380.976		1.0					
108	Function 4 PFK	380.976		1.0					
109	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Sample Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...)	Ratio Flag	Mod. Date
1	13C-MoCB-3	200.0795	14.15	100.0	1865691	1.44415	3.252	NO	
2	MoCB-1	188.03...	12.19	50.0	1308763	1.40298	3.087	NO	
3	MoCB-3	188.03	14.16	50.0	1183518	1.26872	3.153	NO	
4	Total MoCB	188.03 ..		50.0					
5				0.0					
6	13C-DiCB-15	234.041	20.49	100.0	2257159	1.74716	1.604	NO	
7	DiCB-4/10	222.000	15.30	50.0	803892	0.71230			
8	DiCB-8/5	222.000	17.68	100.0	1181137	0.52328			
9	DiCB-15	222.000	20.50	50.0	871803	0.77248			
10	Total DiCB	222.000		50.0					
11				0.0					
12	13C-TrCB-28	268.002	23.42	100.0	1797313	1.39122	1.067	NO	
13	TrCB-30	255.961	19.47	50.0	1353059	1.50565	1.040	NO	
14	TrCB-18	255.961	20.35	50.0	1173928	1.30631	1.056	NO	
15	Total F1 TrCB	255.961		50.0					
16	TrCB-31	255.961	23.34	50.0	1356230	1.50918	1.026	NO	
17	TrCB-28	255.961	23.45	50.0	1329979	1.47996	1.030	NO	
18	TrCB-37	255.961	27.48	50.0	1179686	1.31272	1.039	NO	
19	Total F2 TrCB	255.961		50.0					
20				0.0					
21	13C-TeCB-52	301.963	25.75	100.0	1291899	1.00000	0.798	NO	
22				0.0					
23	13C-TeCB-81	301.963	33.82	100.0	1246212	1.06055	0.801	NO	
24	13C-TeCB-77	301.963	34.50	100.0	1331423	1.13307	0.804	NO	
25	TeCB-54	289.9224	22.50	50.0	941740	1.46140	0.778	NO	
26	TeCB-52/73	289.9224	25.78	50.0	769300	1.19381	0.784	NO	
27	TeCB-47/75/48	289.9224	26.30	50.0	872928	1.35462	0.786	NO	
28	TeCB-44	289.9224	27.22	50.0	663348	1.02939	0.779	NO	
29	Total F2 TeCB	289.922		50.0					
30	TeCB-66/80	289.922	30.24	50.0	1145369	1.77740	0.742	NO	
31	TeCB-81	289.922	33.83	50.0	930081	1.49265	0.723	NO	
32	TeCB-77	289.922	34.52	50.0	847939	1.27373	0.727	NO	
33	Total F3 TeCB	289.922		50.0					
34				0.0					
35	13C-PeCB-101	335.924	31.90	100.0	1175057	1.00000	0.634	NO	
36				0.0					
37	13C-PeCB-123	335.924	36.16	100.0	1191088	1.01364	0.643	NO	
38	PeCB-104	323.883	26.92	50.0	936657	1.56202	0.626	NO	
39	Total F2 PeCB	323.883		50.0					
40	PeCB-101/89/90	323.883	31.92	50.0	848954	1.41576	0.617	NO	
41	PeCB-123	323.883	36.18	50.0	929234	1.56031	0.615	NO	
42	13C-PeCB-118	335.924	36.33	100.0	1202953	1.02374	0.631	NO	
43	PeCB-118/106	323.883	36.35	50.0	956194	1.58974	0.625	NO	
44	13C-PeCB-114	335.924	37.12	100.0	1229304	1.04616	0.638	NO	
45	PeCB-114	323.883	37.14	50.0	987405	1.60645	0.626	NO	
46	13C PeCB-105	335.924	38.19	100.0	1164813	0.99128	0.637	NO	
47	PeCB-105/127	323.883	38.21	50.0	850622	1.46053	0.610	NO	
48	13C-PeCB-126	335.924	40.51	100.0	1208292	1.02828	0.622	NO	
49	PeCB-126	323.883	40.53	50.0	708636	1.17295	0.622	NO	

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Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Sample Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod Date
50	Total F3 PeCB	323.883		50.0					
51				0.0					
52	13C-OcCB-202	439.804	43.31	100.0	1332095	1.00000	0.897	NO	
53				0.0					
54	13C-HxCB-167	371.882	41.87	100.0	1325323	0.99492	1.279	NO	
55	HxCB-155	359.841	31.27	50.0	985187	1.70560	1.238	NO	
56	HxCB-153	359.841	37.96	50.0	939291	1.62614	1.264	NO	
57	HxCB-137	359.841	39.33	50.0	810864	1.40381	1.263	NO	
58	HxCB-138/163/164	359.841	39.89	50.0	852576	1.47602	1.237	NO	
59	Total F3 HxCB	359.841		50.0					
60	HxCB-128	359.841	41.81	50.0	750314	1.29898	1.217	NO	
61	HxCB-167	359.841	41.88	50.0	929401	1.40253	1.238	NO	
62	13C-HxCB-156	371.882	43.45	100.0	1039105	0.78005	1.292	NO	
63	HxCB-156	359.841	43.46	50.0	895990	1.72454	1.227	NO	
64	13C-HxCB-157	371.882	43.83	100.0	1109688	0.83304	1.283	NO	
65	HxCB-157	359.841	43.85	50.0	943304	1.70012	1.230	NO	
66	13C-HxCB-169	371.882	46.06	100.0	1146831	0.86092	1.284	NO	
67	HxCB-169	359.841	46.08	50.0	635680	1.10859	1.243	NO	
68	Total F4 HxCB	359.841		50.0					
69				0.0					
70	13C-HpCB-180	405.843	44.61	100.0	926647	0.69563	1.034	NO	
71	HpCB-188	393.803	37.49	50.0	940827	2.18587	1.035	NO	
72	HpCB-187/182	393.803	41.08	50.0	883287	2.05218	1.059	NO	
73	Total F3 HpCB	393.803		50.0					
74	HpCB-180	393.803	44.62	50.0	599373	1.29364	1.027	NO	
75	13C-HpCB-170	405.843	46.62	100.0	725228	0.54443	1.045	NO	
76	HpCB-170/190	393.803	46.64	50.0	598461	1.65041	1.043	NO	
77	13C-HpCB-189	405.843	48.50	100.0	930603	0.69860	1.043	NO	
78	HpCB-189	393.803	48.51	50.0	575970	1.23784	1.038	NO	
79	Total F4 HpCB	393.803		50.0					
80				0.0					
81	13C-OcCB-194	439.804	50.48	100.0	624359	0.46870	0.928	NO	
82	OcCB-202	427.764	43.32	50.0	700830	2.24496	0.903	NO	
83	Total F4 OcCB	427.764		50.0					
84	OcCB-195	427.764	49.41	50.0	578646	1.85357	0.876	NO	
85	OcCB-194	427.764	50.51	50.0	438235	1.40379	0.866	NO	
86	Total F5 OcCB	427.764		50.0					
87				0.0					
88	13C-NoCB-208	473.765	49.32	100.0	1025957	0.77018	0.804	NO	
89	NoCB-208	461.724	49.34	50.0	548178	1.06862	0.779	NO	
90	NoCB-206	461.724	52.36	50.0	368223	0.71781	0.785	NO	
91	Total NoCB	461.724		50.0					
92				0.0					
93	13C-DeCB-209	507.726	53.72	100.0	733459	0.55061	0.704	NO	
94	DeCB-209	495.686	53.73	50.0	494787	1.34919	0.691	NO	
95				0.0					
96	13C-MoCB-1	200.0795	12.18	100.0	2464038	1.32071	3.124	NO	
97	13C-DiCB-4	234.041	15.28	100.0	1726131	0.76474	1.569	NO	
98	13C-TrCB-19	268.002	18.91	100.0	1555341	0.86537	1.085	NO	

Dataset: C:\MassLynx\Default pro\ICA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod. Date
99	13C-TeCB-54	301.963	22.49	100.0	1692127	1.31293	0.795	NO	
100	13C-PeCB-111	335.924	33.67	100.0	1595890	1.33070	0.629	NO	
101				0.0					
102	13C-HxCB-138	371.882	39.87	100.0	1203842	1.04207	1.303	NO	
103				0.0					
104				0.0					
105	Function 1 PFK	218.986		1.0					
106	Function 2 PFK	330.979		1.0					
107	Function 3 PFK	380.976		1.0					
108	Function 4 PFK	380.976		1.0					
109	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act.)	Ratio Flag	Mod. Date
1	13C-MoCB-3	200.0795	14.15	100.0	1937207	1.34751	3.263	NO	
2	MoCB-1	188.03	12.19	200.0	5459777	1.40919	3.126	NO	
3	MoCB-3	188.03	14.16	200.0	5015905	1.29462	3.156	NO	
4	Total MoCB	188.03		200.0					
5				0.0					
6	13C-DiCB-15	234.041	20.48	100.0	2382262	1.65709	1.590	NO	
7	DiCB-4/10	222.000	15.30	200.0	3377020	0.70878			
8	DiCB-8/5	222.000	17.68	400.0	4966113	0.52116			
9	DiCB-15	222.000	20.50	200.0	3710385	0.77875			
10	Total DiCB	222.000		200.0					
11				0.0					
12	13C-TrCB-28	268.002	23.42	100.0	1906411	1.32609	1.066	NO	
13	TrCB-30	255.961	19.47	200.0	5624664	1.47520	1.044	NO	
14	TrCB-18	255.961	20.33	200.0	4831962	1.26729	1.053	NO	
15	Total F1 TrCB	255.961		200.0					
16	TrCB-31	255.961	23.34	200.0	5549271	1.45542	1.026	NO	
17	TrCB-28	255.961	23.43	200.0	5780620	1.51610	1.040	NO	
18	TrCB-37	255.961	27.46	200.0	4997729	1.31077	1.031	NO	
19	Total F2 TrCB	255.961		200.0					
20				0.0					
21	13C-TeCB-52	301.963	25.75	100.0	1437621	1.00000	0.803	NO	
22				0.0					
23	13C-TeCB-81	301.963	33.80	100.0	1310582	1.01177	0.780	NO	
24	13C-TeCB-77	301.963	34.49	100.0	1385538	1.06964	0.794	NO	
25	TeCB-54	289.9224	22.50	200.0	3905634	1.44861	0.789	NO	
26	TeCB-52/73	289.9224	25.78	200.0	3139013	1.16427	0.781	NO	
27	TeCB-47/75/48	289.9224	26.28	200.0	3612291	1.33981	0.781	NO	
28	TeCB-44	289.9224	27.20	200.0	2752405	1.02088	0.784	NO	
29	Total F2 TeCB	289.922		200.0					
30	TeCB-66/80	289.922	30.24	200.0	4795483	1.77866	0.729	NO	
31	TeCB-81	289.922	33.82	200.0	3974320	1.51624	0.742	NO	
32	TeCB-77	289.922	34.52	200.0	3662737	1.32177	0.723	NO	
33	Total F3 TeCB	289.922		200.0					
34				0.0					
35	13C-PeCB-101	335.924	31.89	100.0	1295333	1.00000	0.633	NO	
36				0.0					
37	13C-PeCB-123	335.924	36.16	100.0	1226579	0.94692	0.628	NO	
38	PeCB-104	323.883	26.92	200.0	3943656	1.55175	0.628	NO	
39	Total F2 PeCB	323.883		200.0					
40	PeCB-101/89/90	323.883	31.92	200.0	3561977	1.40157	0.613	NO	
41	PeCB-123	323.883	36.18	200.0	3838855	1.56486	0.620	NO	
42	13C-PeCB-118	335.924	36.33	100.0	1303926	1.00663	0.641	NO	
43	PeCB-118/106	323.883	36.35	200.0	4007006	1.53652	0.615	NO	
44	13C-PeCB-114	335.924	37.12	100.0	1286568	0.99323	0.644	NO	
45	PeCB-114	323.883	37.14	200.0	4203276	1.63352	0.617	NO	
46	13C PeCB-105	335.924	38.18	100.0	1235972	0.95417	0.624	NO	
47	PeCB-105/127	323.883	38.21	200.0	3603788	1.45788	0.623	NO	
48	13C-PeCB-126	335.924	40.51	100.0	1300506	1.00399	0.625	NO	
49	PeCB-126	323.883	40.52	200.0	3074213	1.18193	0.615	NO	



Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act.	Ratio Flag	Mod Date
50	Total F3 PeCB	323.883		200.0					
51				0.0					
52	13C-OcCB-202	439.804	43.31	100.0	1460108	1.00000	0.903	NO	
53				0.0					
54	13C-HxCB-167	371.882	41.87	100.0	1431091	0.98013	1.291	NO	
55	HxCB-155	359.841	31.27	200.0	4132382	1.66033	1.254	NO	
56	HxCB-153	359.841	37.96	200.0	3909101	1.57062	1.251	NO	
57	HxCB-137	359.841	39.32	200.0	3404246	1.36778	1.244	NO	
58	HxCB-138/163/164	359.841	39.89	200.0	3571665	1.43504	1.240	NO	
59	Total F3 HxCB	359.841		200.0					
60	HxCB-128	359.841	41.81	200.0	3398731	1.36556	1.210	NO	
61	HxCB-167	359.841	41.88	200.0	3738452	1.30615	1.233	NO	
62	13C-HxCB-156	371.882	43.43	100.0	1116476	0.76465	1.290	NO	
63	HxCB-156	359.841	43.46	200.0	3830700	1.71553	1.223	NO	
64	13C-HxCB-157	371.882	43.82	100.0	1194057	0.81779	1.280	NO	
65	HxCB-157	359.841	43.85	200.0	4035042	1.68964	1.232	NO	
66	13C-HxCB-169	371.882	46.05	100.0	1236150	0.84662	1.277	NO	
67	HxCB-169	359.841	46.06	200.0	2788716	1.12798	1.245	NO	
68	Total F4 HxCB	359.841		200.0					
69				0.0					
70	13C-HpCB-180	405.843	44.61	100.0	970265	0.66452	1.045	NO	
71	HpCB-188	393.803	37.49	200.0	3937160	2.16695	1.042	NO	
72	HpCB-187/182	393.803	41.08	200.0	3690193	2.03103	1.025	NO	
73	Total F3 HpCB	393.803		200.0					
74	HpCB-180	393.803	44.62	200.0	2544786	1.31139	1.039	NO	
75	13C-HpCB-170	405.843	46.61	100.0	776807	0.53202	1.059	NO	
76	HpCB-170/190	393.803	46.64	200.0	2565555	1.65135	1.038	NO	
77	13C-HpCB-189	405.843	48.48	100.0	978294	0.67001	1.033	NO	
78	HpCB-189	393.803	48.51	200.0	2441050	1.24761	1.041	NO	
79	Total F4 HpCB	393.803		200.0					
80				0.0					
81	13C-OcCB-194	439.804	50.48	100.0	655369	0.44885	0.899	NO	
82	OcCB-202	427.764	43.32	200.0	2997315	2.28674	0.898	NO	
83	Total F4 OcCB	427.764		200.0					
84	OcCB-195	427.764	49.41	200.0	2491842	1.90110	0.872	NO	
85	OcCB-194	427.764	50.50	200.0	1885681	1.43864	0.879	NO	
86	Total F5 OcCB	427.764		200.0					
87				0.0					
88	13C-NoCB-208	473.765	49.32	100.0	1091545	0.74758	0.801	NO	
89	NoCB-208	461.724	49.34	200.0	2380432	1.09040	0.784	NO	
90	NoCB-206	461.724	52.36	200.0	1596452	0.73128	0.782	NO	
91	Total NoCB	461.724		200.0					
92				0.0					
93	13C-DeCB-209	507.726	53.72	100.0	801083	0.54865	0.706	NO	
94	DeCB-209	495.686	53.73	200.0	2145217	1.33895	0.696	NO	
95				0.0					
96	13C-MoCB-1	200.0795	12.18	100.0	2497753	1.28936	3.105	NO	
97	13C-DiCB-4	234.041	15.26	100.0	1776531	0.74573	1.567	NO	
98	13C-TrCB-19	268.002	18.91	100.0	1587862	0.83291	1.070	NO	

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Sample Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod. Date
99	13C-TeCB-54	301.963	22.47	100.0	1717025	1.27370	0.791	NO	
100	13C-PeCB-111	335.924	33.65	100.0	1659357	1.30585	0.623	NO	
101				0.0					
102	13C-HxCB-138	371.882	39.85	100.0	1331290	1.06979	1.269	NO	
103				0.0					
104				0.0					
105	Function 1 PFK	218.986		1.0					
106	Function 2 PFK	330.979		1.0					
107	Function 3 PFK	380.976		1.0					
108	Function 4 PFK	380.976		1.0					
109	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod. Date
1	13C-MoCB-3	200 0795	14 15	100 0	1944983	1.35781	3.211	NO	
2	MoCB-1	188.03...	12.19	500 0	13870355	1.42627	3.156	NO	
3	MoCB-3	188.03...	14.16	500.0	12604133	1.29607	3.177	NO	
4	Total MoCB	188 03		500 0					
5				0 0					
6	13C-DiCB-15	234.041	20.49	100 0	2436371	1.70086	1.589	NO	
7	DiCB-4/10	222 000	15.30	500 0	8465815	0.69495			
8	DiCB-8/5	222 000	17 68	1000 0	12561981	0.51560			
9	DiCB-15	222 000	20 50	500 0	9538021	0.78297			
10	Total DiCB	222 000		500 0					
11				0 0					
12	13C-TrCB-28	268 002	23 42	100 0	1923403	1.34275	1.074	NO	
13	TrCB-30	255.961	19.47	500.0	14137166	1.47002	1.043	NO	
14	TrCB-18	255 961	20.35	500 0	12226402	1.27133	1.038	NO	
15	Total F1 TrCB	255 961		500.0					
16	TrCB-31	255.961	23 34	500 0	14546546	1.51258	1.023	NO	
17	TrCB-28	255.961	23 45	500 0	14642088	1.52252	1.040	NO	
18	TrCB-37	255.961	27 46	500 0	12981381	1.34984	1.038	NO	
19	Total F2 TrCB	255.961		500 0					
20				0 0					
21	13C-TeCB-52	301 963	25 77	100 0	1432436	1.00000	0.803	NO	
22				0.0					
23	13C-TeCB-81	301 963	33 80	100.0	1351021	1.04002	0.809	NO	
24	13C-TeCB-77	301.963	34.49	100.0	1453148	1.11864	0.802	NO	
25	TeCB-54	289.9224	22.51	500 0	9872436	1.40825	0.782	NO	
26	TeCB-52/73	289.9224	25 79	500 0	8052931	1.14871	0.780	NO	
27	TeCB-47/75/48	289.9224	26 30	500 0	9337547	1.33195	0.779	NO	
28	TeCB-44	289.9224	27 22	500 0	7089469	1.01128	0.784	NO	
29	Total F2 TeCB	289 922		500 0					
30	TeCB-66/80	289 922	30 24	500.0	12791364	1.82462	0.720	NO	
31	TeCB-81	289.922	33 82	500 0	10467538	1.54957	0.737	NO	
32	TeCB-77	289.922	34 52	500.0	9342494	1.28583	0.722	NO	
33	Total F3 TeCB	289 922		500.0					
34				0.0					
35	13C-PeCB-101	335.924	31 90	100.0	1299028	1.00000	0.636	NO	
36				0 0					
37	13C-PeCB-123	335 924	36 16	100 0	1287591	0.99120	0.632	NO	
38	PeCB-104	323.883	26 93	500 0	9935468	1.50883	0.625	NO	
39	Total F2 PeCB	323 883		500 0					
40	PeCB-101/89/90	323.883	31 92	500 0	9145108	1.38880	0.620	NO	
41	PeCB-123	323.883	36 18	500 0	10139770	1.57500	0.616	NO	
42	13C-PeCB-118	335 924	36 33	100 0	1328216	1.02247	0.649	NO	
43	PeCB-118/106	323.883	36.35	500.0	10574689	1.59231	0.621	NO	
44	13C-PeCB-114	335 924	37 12	100 0	1362567	1.04891	0.632	NO	
45	PeCB-114	323 883	37 15	500 0	11181883	1.64130	0.625	NO	
46	13C PeCB-105	335 924	38.19	100 0	1270123	0.97775	0.646	NO	
47	PeCB-105/127	323.883	38.21	500 0	9435282	1.48573	0.621	NO	
48	13C-PeCB-126	335 924	40 51	100.0	1336400	1.02877	0.628	NO	
49	PeCB-126	323 883	40.53	500 0	8075162	1.20849	0.619	NO	

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668M.qid

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod.Date
50	Total F3 PeCB	323.883		500.0					
51				0.0					
52	13C-OcCB-202	439.804	43.31	100.0	1486089	1.00000	0.895	NO	
53				0.0					
54	13C-HxCB-167	371.882	41.87	100.0	1517183	1.02092	1.289	NO	
55	HxCB-155	359.841	31.27	500.0	10599847	1.60920	1.252	NO	
56	HxCB-153	359.841	37.96	500.0	10209065	1.54988	1.243	NO	
57	HxCB-137	359.841	39.33	500.0	8993263	1.36530	1.248	NO	
58	HxCB-138/163/164	359.841	39.89	500.0	9478558	1.43898	1.238	NO	
59	Total F3 HxCB	359.841		500.0					
60	HxCB-128	359.841	41.81	500.0	8369771	1.27065	1.209	NO	
61	HxCB-167	359.841	41.88	500.0	10605261	1.39802	1.234	NO	
62	13C-HxCB-156	371.882	43.45	100.0	1183364	0.79629	1.304	NO	
63	HxCB-156	359.841	43.46	500.0	10238996	1.73049	1.242	NO	
64	13C-HxCB-157	371.882	43.83	100.0	1255009	0.84450	1.295	NO	
65	HxCB-157	359.841	43.85	500.0	10733652	1.71053	1.230	NO	
66	13C-HxCB-169	371.882	46.05	100.0	1314059	0.88424	1.276	NO	
67	HxCB-169	359.841	46.08	500.0	7303533	1.11160	1.218	NO	
68	Total F4 HxCB	359.841		500.0					
69				0.0					
70	13C-HpCB-180	405.843	44.61	100.0	1014969	0.68298	1.046	NO	
71	HpCB-188	393.803	37.49	500.0	10126729	2.10562	1.041	NO	
72	HpCB-187/182	393.803	41.08	500.0	9713202	2.01963	1.048	NO	
73	Total F3 HpCB	393.803		500.0					
74	HpCB-180	393.803	44.64	500.0	6752054	1.33049	1.042	NO	
75	13C-HpCB-170	405.843	46.62	100.0	827947	0.55713	1.061	NO	
76	HpCB-170/190	393.803	46.64	500.0	6789976	1.64019	1.040	NO	
77	13C-HpCB-189	405.843	48.50	100.0	1042716	0.70165	1.045	NO	
78	HpCB-189	393.803	48.51	500.0	6512169	1.24908	1.047	NO	
79	Total F4 HpCB	393.803		500.0					
80				0.0					
81	13C-OcCB-194	439.804	50.48	100.0	701167	0.47182	0.921	NO	
82	OcCB-202	427.764	43.34	500.0	7618685	2.17314	0.907	NO	
83	Total F4 OcCB	427.764		500.0					
84	OcCB-195	427.764	49.42	500.0	6704582	1.91241	0.872	NO	
85	OcCB-194	427.764	50.51	500.0	5064676	1.44464	0.882	NO	
86	Total F5 OcCB	427.764		500.0					
87				0.0					
88	13C-NoCB-208	473.765	49.32	100.0	1122815	0.75555	0.802	NO	
89	NoCB-208	461.724	49.35	500.0	6188832	1.10238	0.782	NO	
90	NoCB-206	461.724	52.38	500.0	4305633	0.76694	0.785	NO	
91	Total NoCB	461.724		500.0					
92				0.0					
93	13C-DeCB-209	507.726	53.72	100.0	841659	0.56636	0.703	NO	
94	DeCB-209	495.686	53.73	500.0	5672044	1.34782	0.701	NO	
95				0.0					
96	13C-MoCB-1	200.0795	12.18	100.0	2493724	1.28213	3.128	NO	
97	13C-DiCB-4	234.041	15.28	100.0	1751848	0.71904	1.576	NO	
98	13C-TrCB-19	268.002	18.92	100.0	1578604	0.82074	1.084	NO	

Dataset: C:\Mass\Lynx\Default.pro\ICA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Thursday, July 16, 2009 5:31:25 PM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod. Date
99	13C-TeCB-54	301.963	22.49	100.0	1745828	1.24517	0.798	NO	
100	13C-PeCB-111	335.924	33.67	100.0	1673672	1.27084	0.628	NO	
101				0.0					
102	13C-HxCB-138	371.882	39.87	100.0	1364404	1.03568	1.266	NO	
103				0.0					
104				0.0					
105	Function 1 PFK	218.986		1.0					
106	Function 2 PFK	330.979		1.0					
107	Function 3 PFK	380.976		1.0					
108	Function 4 PFK	380.976		1.0					
109	Function 5 PFK	480.970		1.0					

Sample List: C:\MassLynx\Default.pro\Sampledb\16JL0910D5.SPL  
 Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
 Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1 16JL0910D5_1	Solvent Blank C-12	SB0716	---	---	1.000000	---	1.00
2 16JL0910D5_2	CS-1 09DXN205	ST0716	---	---	1.000000	---	1.00
3 16JL0910D5_3	CS-2 09DXN206	ST0716A	---	---	1.000000	---	1.00
4 16JL0910D5_4	CS-3 09DXN207	ST0716B	---	---	1.000000	---	1.00
5 16JL0910D5_5	CS-4 09DXN208	ST0716C	---	---	1.000000	---	1.00
6 16JL0910D5_6	CS-5 09DXN209	ST0716D	---	---	1.000000	---	1.00
7 16JL0910D5_7	Solvent Blank C-12	SB0716A	---	---	1.000000	---	1.00
8 16JL0910D5_8	2nd Source 09DXN196	ST0716E	1668	---	1.000000	---	1.00
9 16JL0910D5_9	CS-3 09DXN207	ST0716F	---	---	1.000000	---	1.00
10 16JL0910D5_10	Solvent Blank C-12	SB0716B	---	---	1.000000	---	1.00
11 16JL0910D5_11	G9G020271-1MB	LF612-1-AAB	1668/SOLID	89	10.000000	g	20
12 16JL0910D5_12	G9G020271-1LCS	LF612-1-ACC	1668/SOLID	---	10.000000	g	20
13 16JL0910D5_13	G9G020271-1	LF16J-1-AC	1668/SOLID	---	10.030000	g	20
14 16JL0910D5_14	G9G020271-2	LF16K-1-AC	1668/SOLID	---	10.075000	g	20
15 16JL0910D5_15	G9G020271-3	LF16L-1-AC	1668/SOLID	---	10.450000	g	20
16 16JL0910D5_16	G9G020275-1	LF162-1-AC	1668/SOLID	---	10.195000	g	20
17 16JL0910D5_17	G9G020275-2	LF166-1-AC	1668/SOLID	---	10.225000	g	20
18 16JL0910D5_18	G9G020275-3	LF168-1-AC	1668/SOLID	---	10.205000	g	20
19 16JL0910D5_19	G9G020275-4	LF169-1-AC	1668/SOLID	---	10.085000	g	20
20 16JL0910D5_20	G9G020280-1	LF172-1-AC	1668/SOLID	---	10.265000	g	20
21 16JL0910D5_21	G9G020280-2	LF174-1-AC	1668/SOLID	---	10.340000	g	20
22 16JL0910D5_22	G9G020280-3	LF176-1-AC	1668/SOLID	---	10.040000	g	20
23 16JL0910D5_23	Solvent Blank C-12	SB0716C	---	---	1.000000	---	1.00

*reviewed  
by  
ms  
7/17/09*

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\16JL0910D5 SPL

Page 2 of 3

Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time

Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:2	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	1	2	100	100
Tray1:3	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	5	10	100	100
Tray1:4	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:5	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	200	400	100	100
Tray1:6	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	500	1000	100	100
Tray1:7	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:10	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:11	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:16	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default pro\Sampled\b\16JL0910D5 SPL  
Last Modified Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page 3 of 3

Page Position (3, 1)

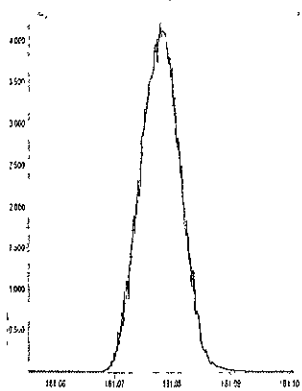
Conc E	Conc F	Conc G	Conc H
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100	---	---	---
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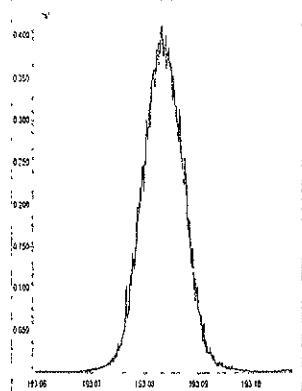
File. Experiment: 1668M10D5 exp Reference: pfk ref Function: 1 @ 200 (ppm)

Printed. Thursday, July 16, 2009 11:39:37 Pacific Daylight Time

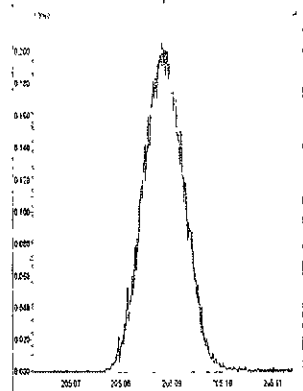
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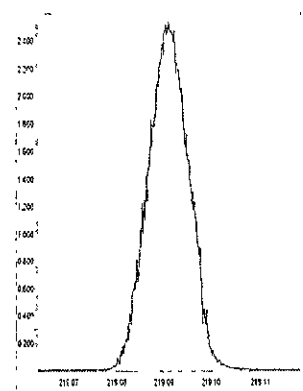
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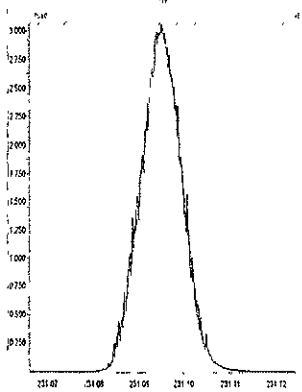
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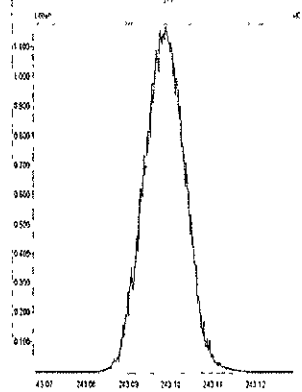
M 218.9856 R 11766



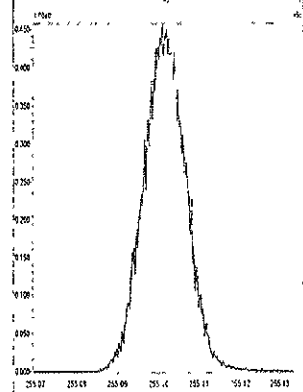
M 230.9856 R 11236



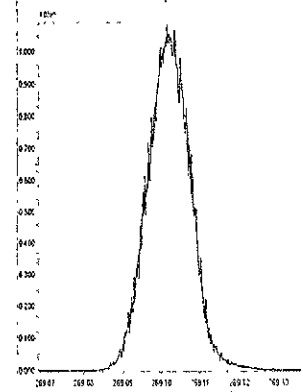
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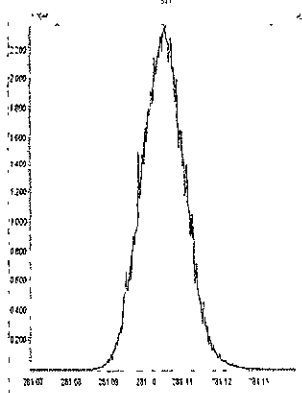
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M 268.9824 R 10692



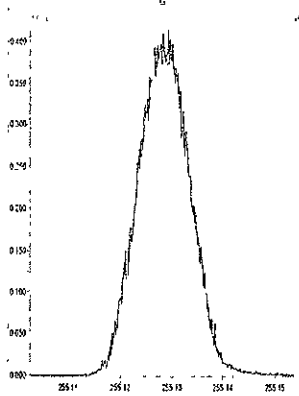
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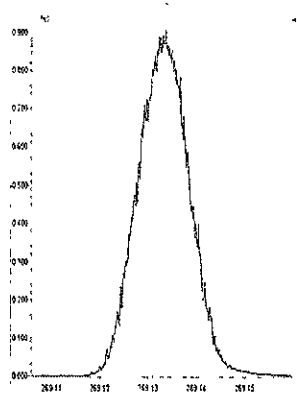
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Printed: Thursday, July 16, 2009 11:40:41 Pacific Daylight Time

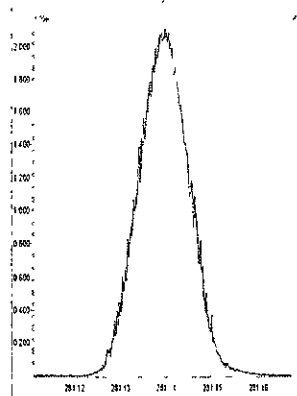
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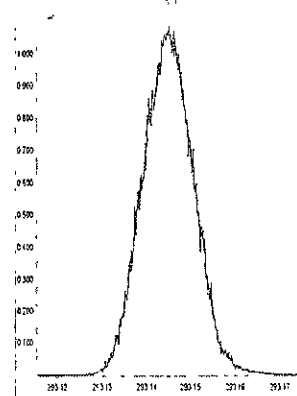
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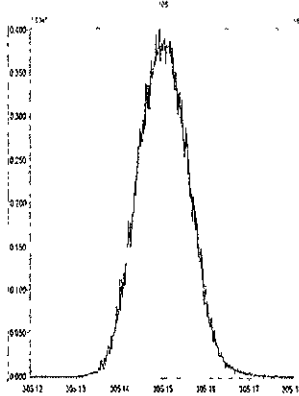
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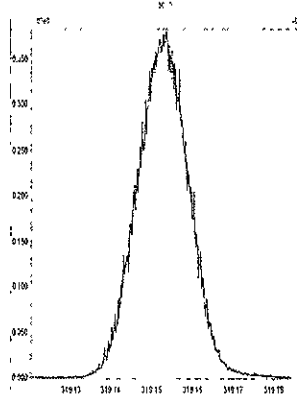
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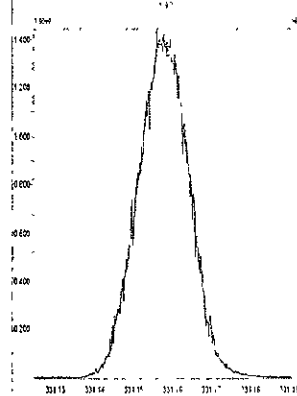
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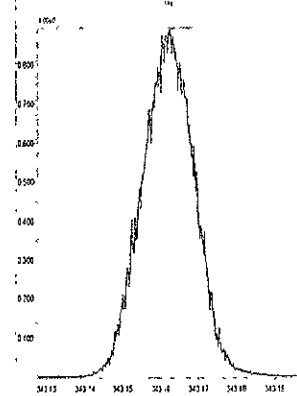
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M 330.9792 R 11063



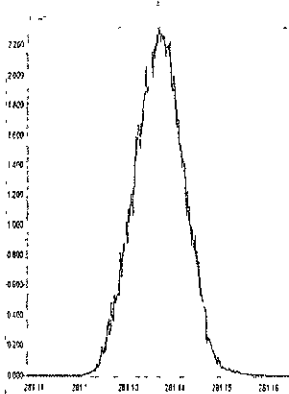
M 342.9792 R 11260



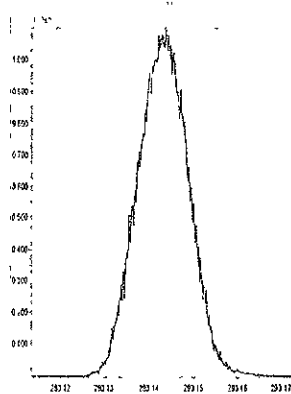
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Printed Thursday, July 16, 2009 11:41:17 Pacific Daylight Time

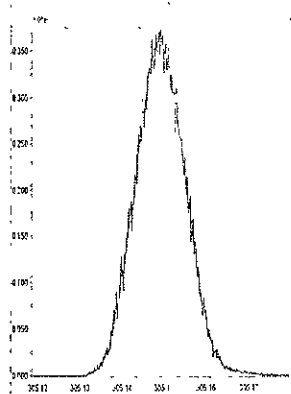
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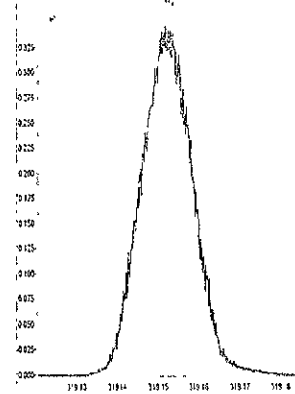
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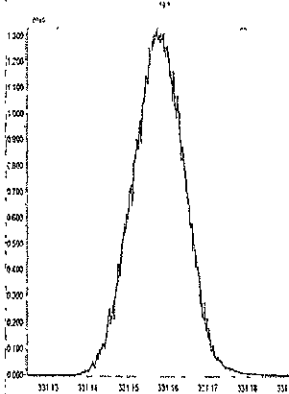
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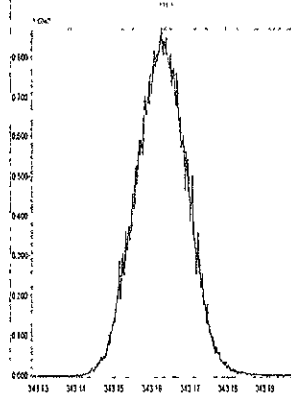
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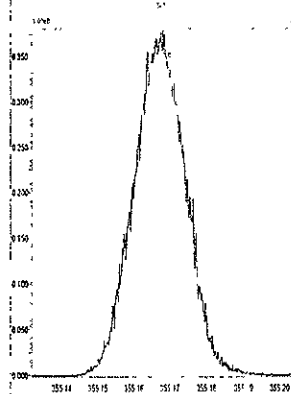
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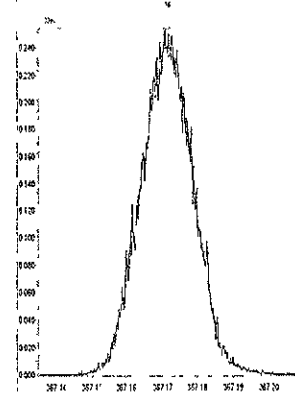
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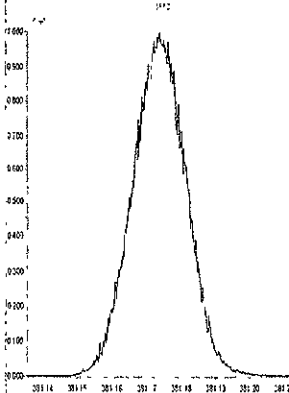
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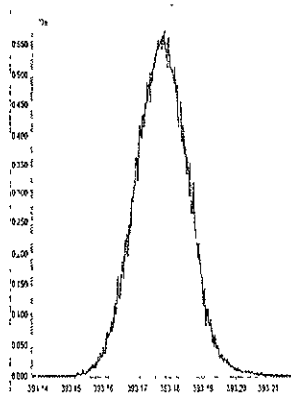
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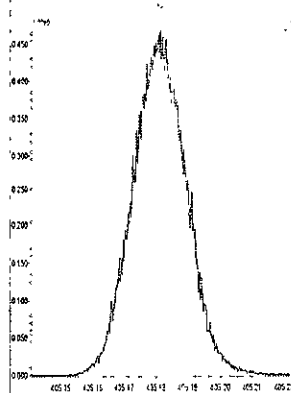
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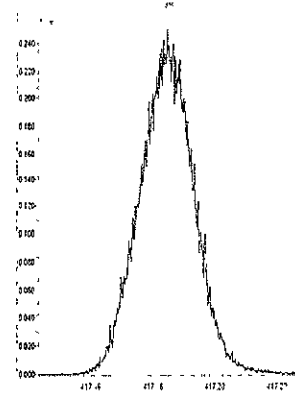
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M 404.9760 R 10505



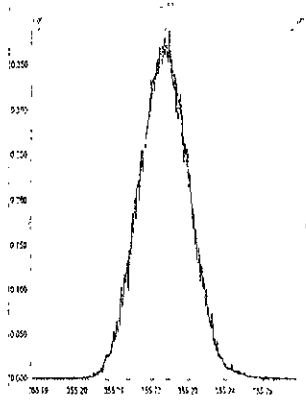
M 416.9760 R 10729



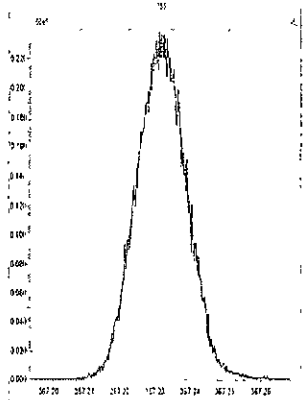
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Printed: Thursday, July 16, 2009 11:42:47 Pacific Daylight Time

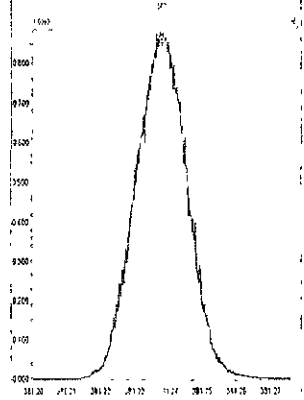
M 354.9792 R 11111



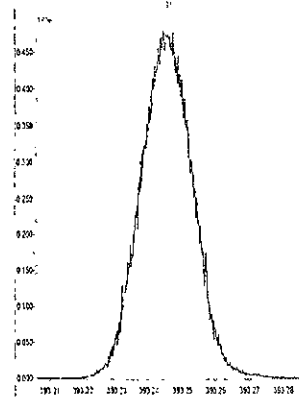
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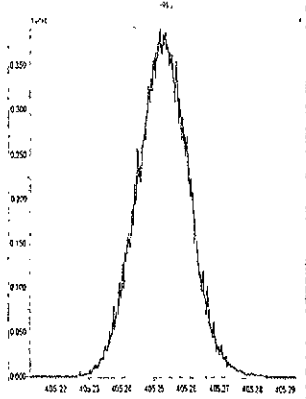
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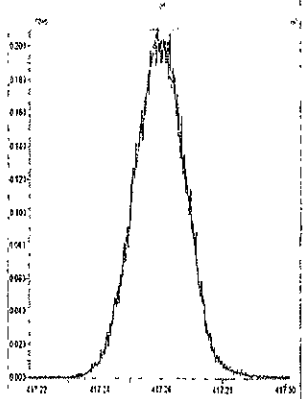
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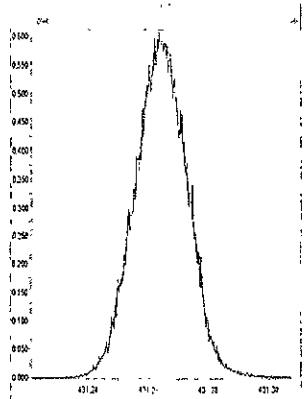
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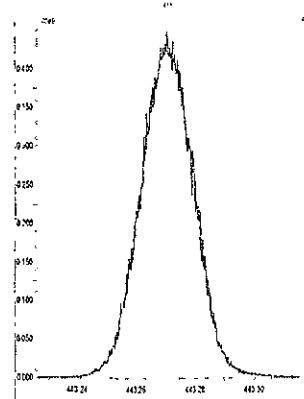
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M 430.9728 R 10918



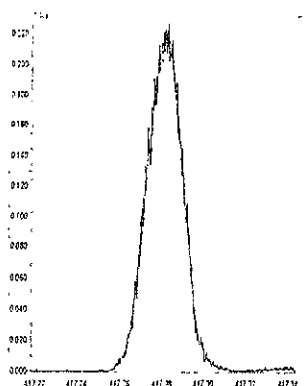
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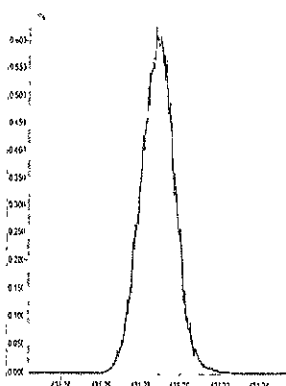
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Printed Thursday, July 16, 2009 11:43:38 Pacific Daylight Time

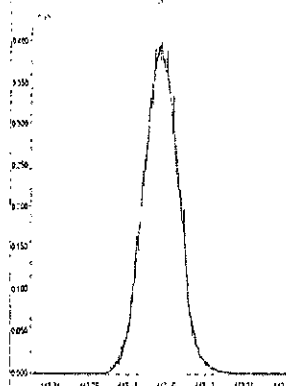
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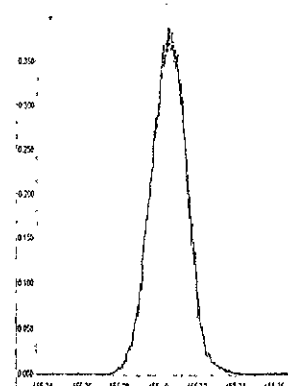
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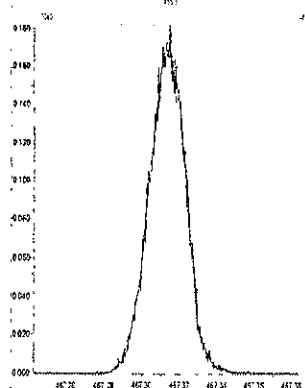
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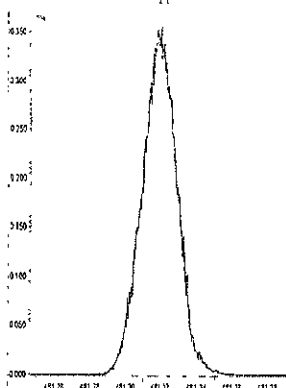
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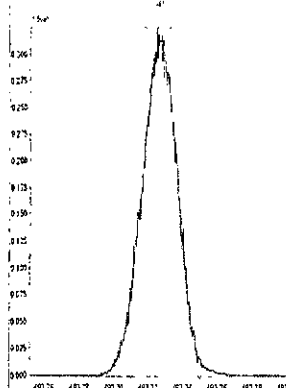
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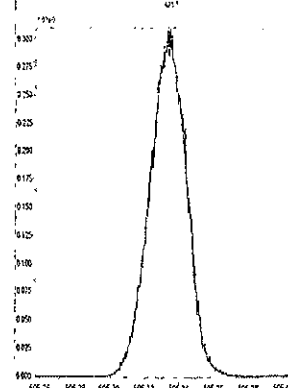
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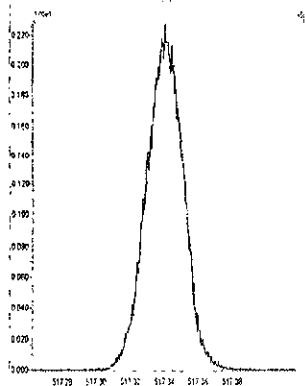
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M 504.9696 R 10617



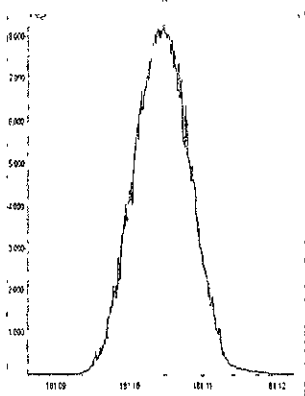
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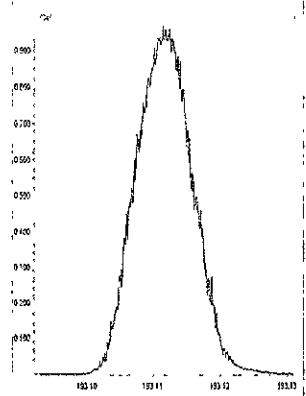
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Printed: Thursday, July 16, 2009 20:24:50 Pacific Daylight Time

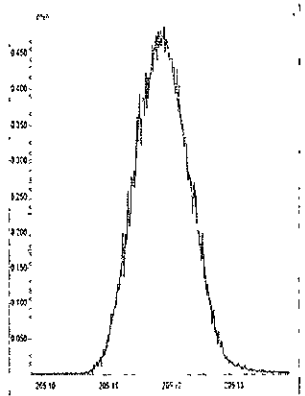
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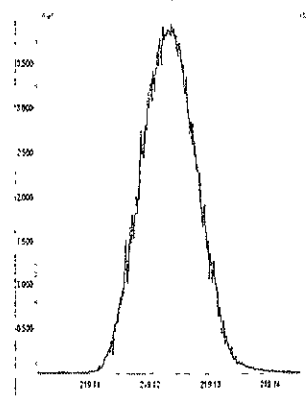
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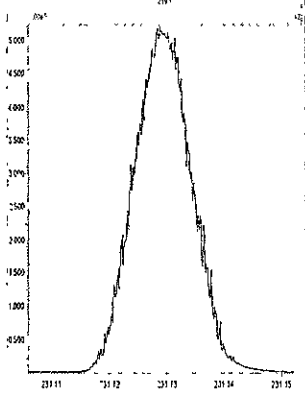
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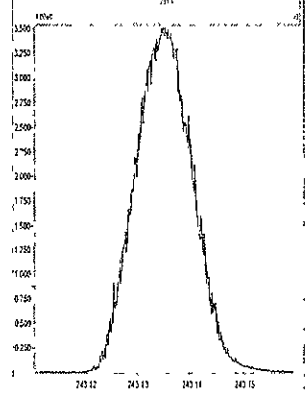
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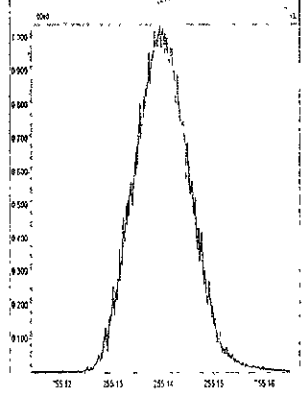
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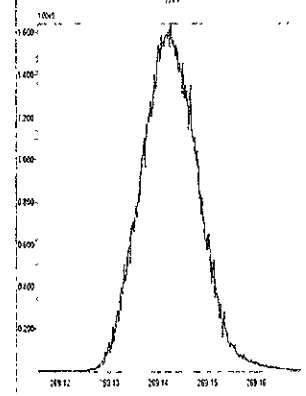
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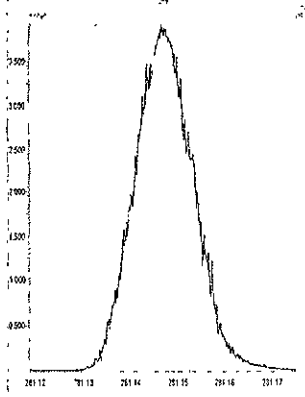
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M 268.9824 R 10039



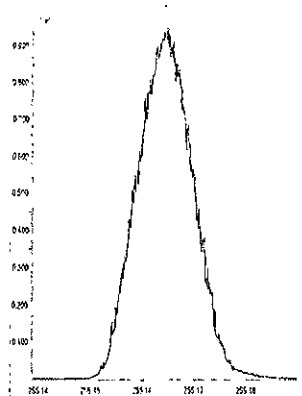
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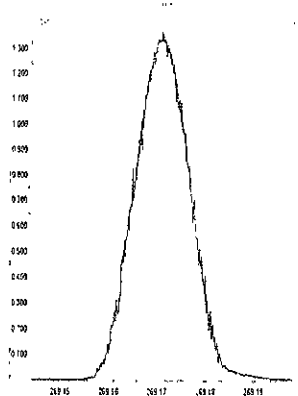
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Printed: Thursday, July 16, 2009 20:26 23 Pacific Daylight Time

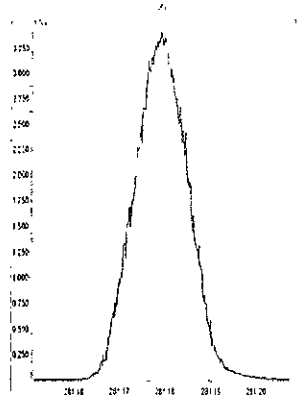
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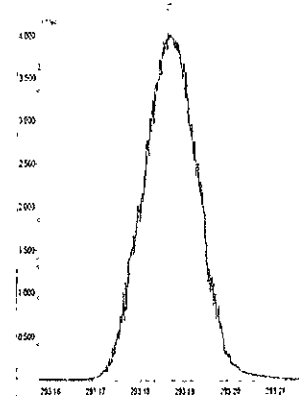
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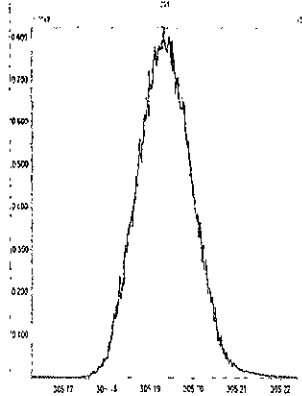
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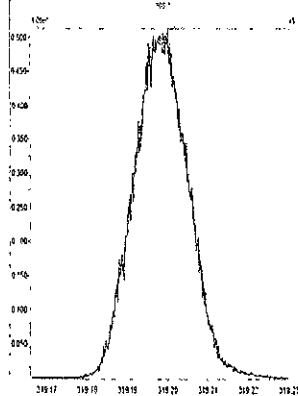
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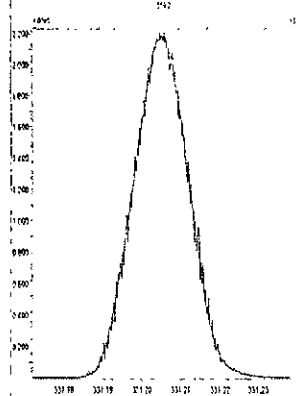
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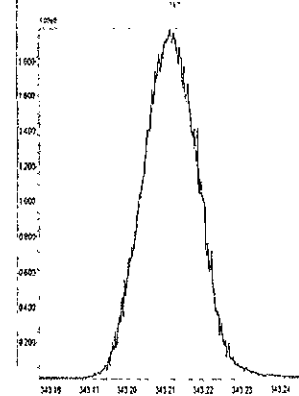
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M 330.9792 R 10872



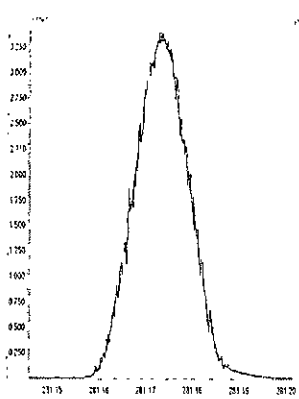
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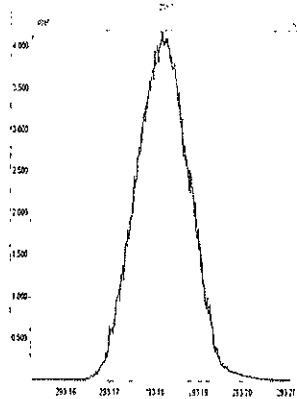
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Printed: Thursday, July 16, 2009 20:32:05 Pacific Daylight Time

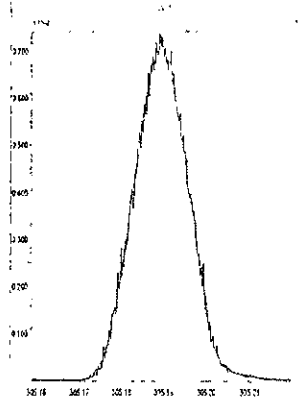
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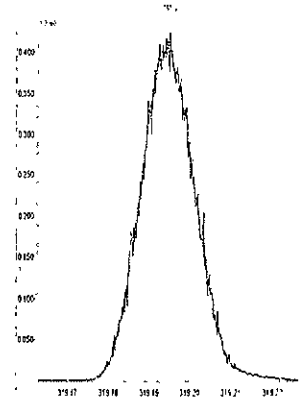
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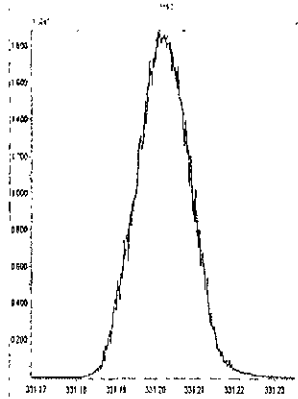
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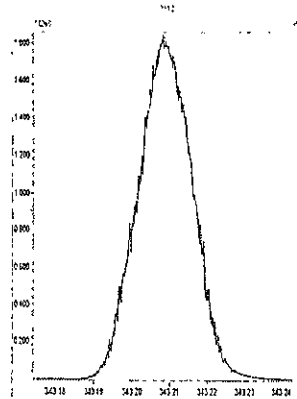
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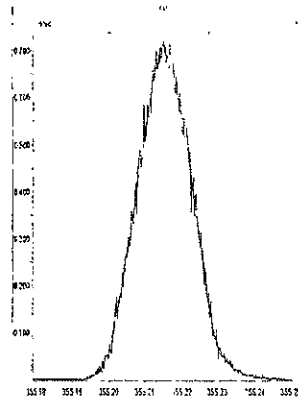
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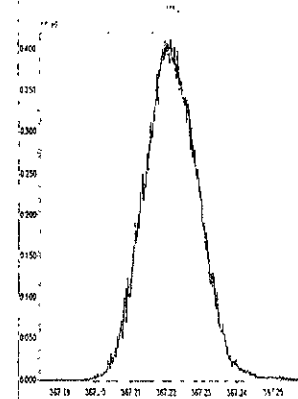
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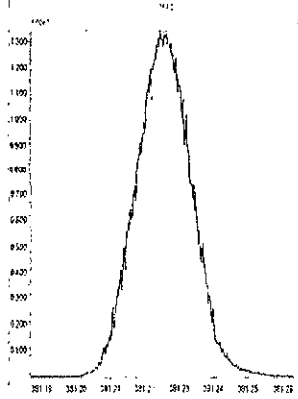
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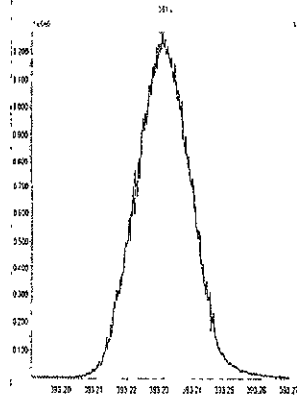
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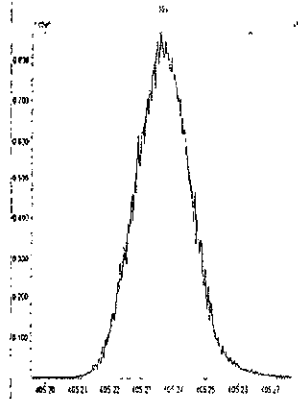
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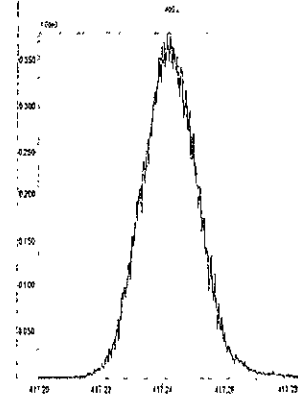
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M 404.9760 R 10124



M 416.9760 R 10243

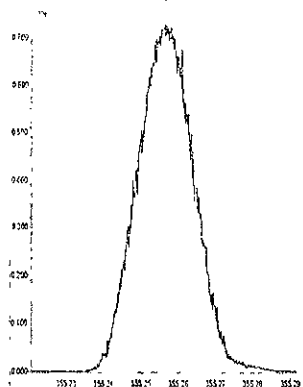




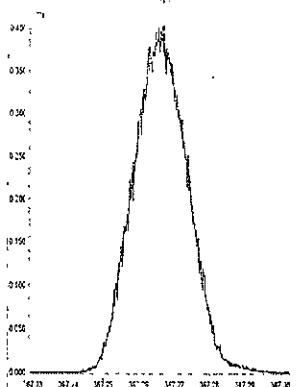
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Printed: Thursday, July 16, 2009 20:33:29 Pacific Daylight Time

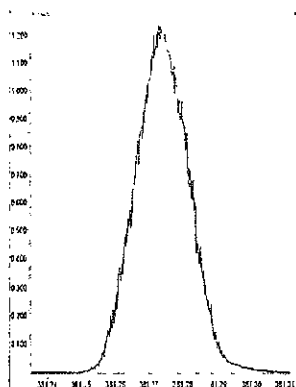
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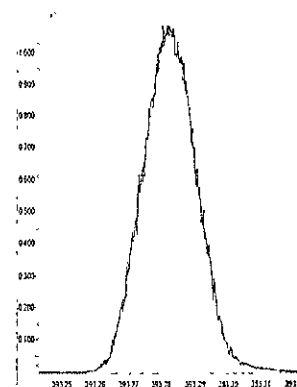
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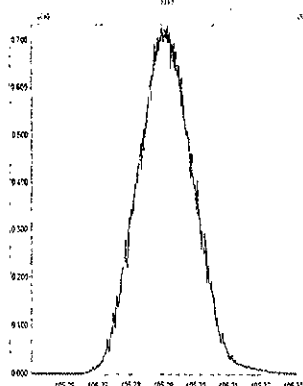
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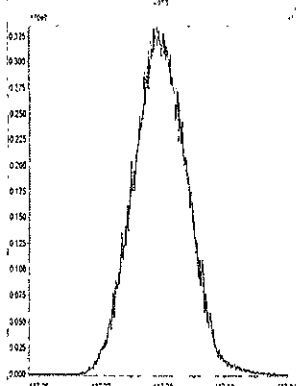
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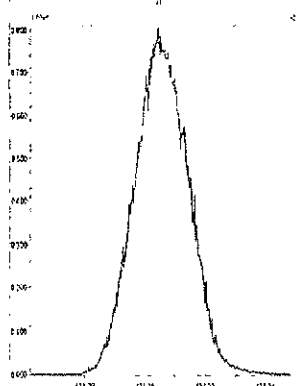
M 404.9760 R 10548



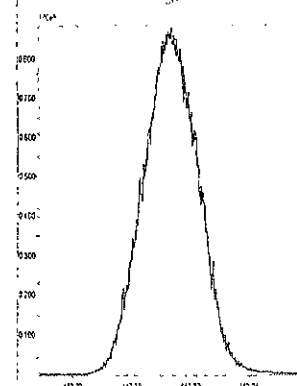
M 416.9760 R 10728



M 430.9728 R 10415



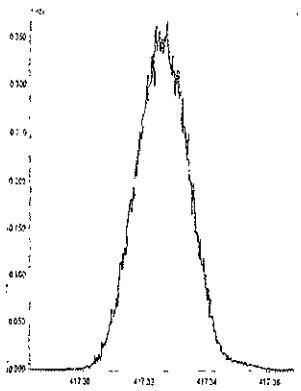
M 442.9728 R 10639



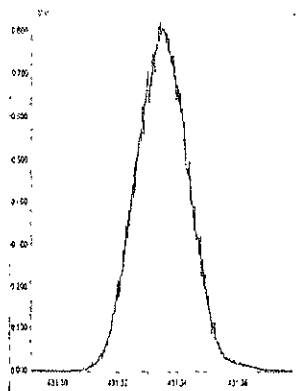
File: Experiment: 1668M10D5 exp Reference: pfk ref Function 5 @ 200 (ppm)

Printed: Thursday, July 16, 2009 20:34:38 Pacific Daylight Time

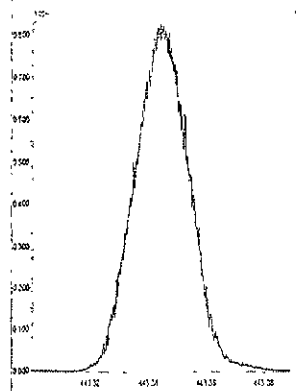
M 416.9760 R 10822



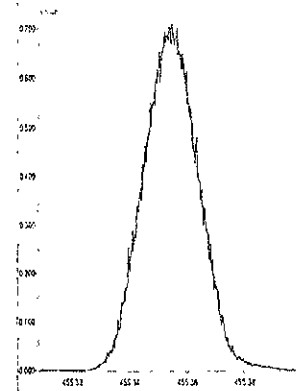
M 430.9728 R 10728



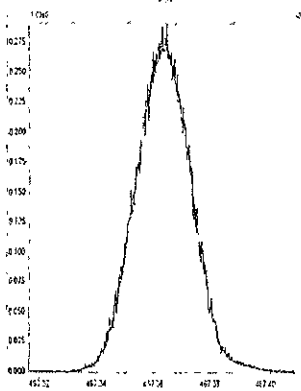
M 442.9728 R 10918



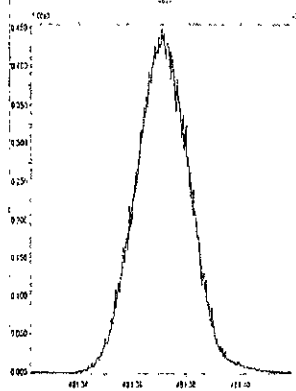
M 454.9728 R 10460



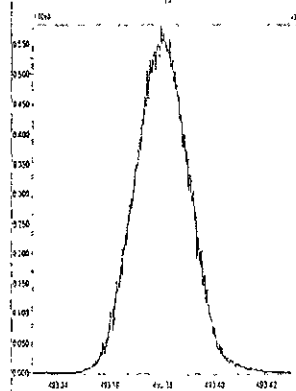
M 466.9728 R 10416



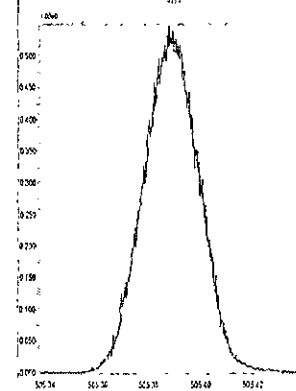
M 480.9696 R 10415



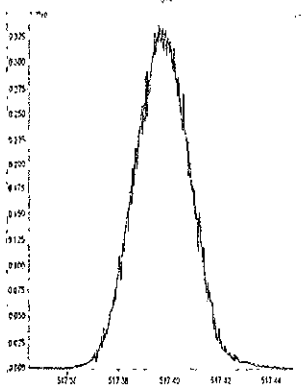
M 492.9696 R 10458



M 504.9696 R 10638



M 516.9697 R 10206



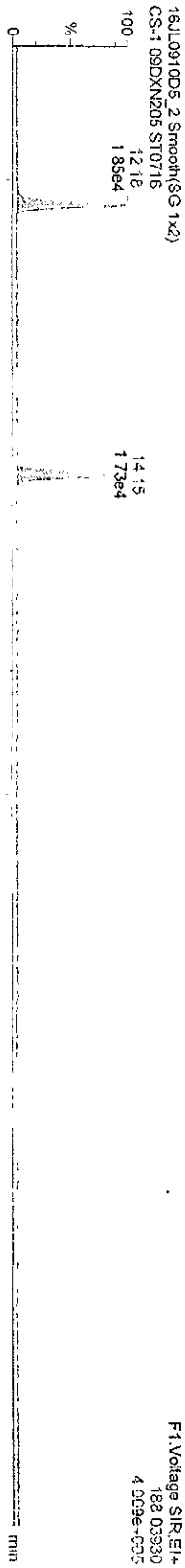
Dataset C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

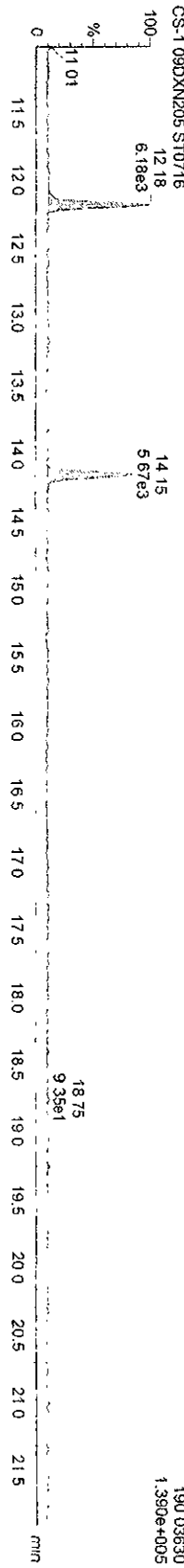
Method: C:\MassLynx\Default\PRO\MethDB\1668M10DB5.mdb 16 Jul 2009 17:05:33  
 Calibration: 16 Jul 2009 17:29:50

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

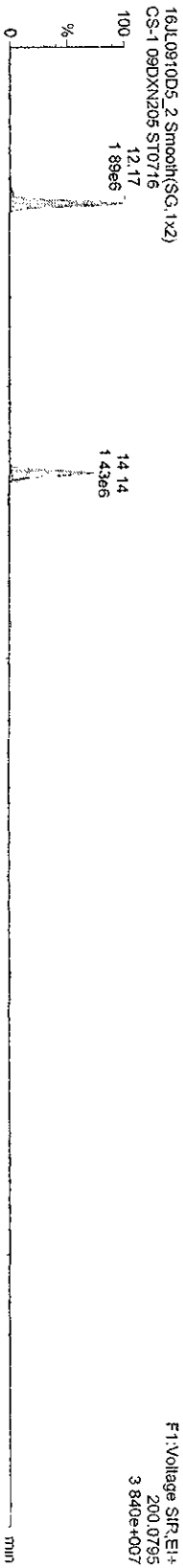
**MOCBS**



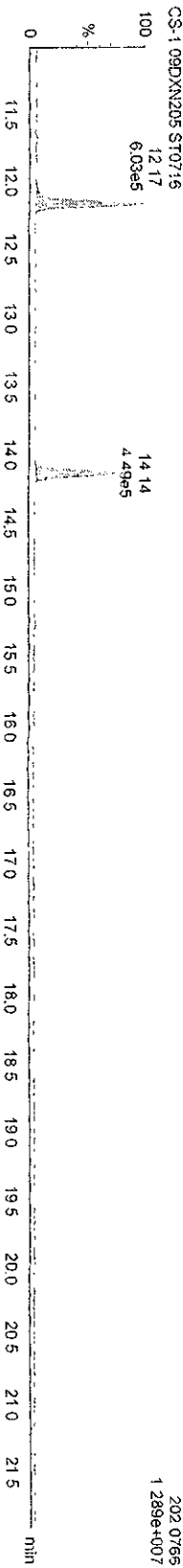
**16JL0910D5\_2.Smooth(SG,1x2)**



**13C-MOCBS**



**16JL0910D5\_2.Smooth(SG,1x2)**



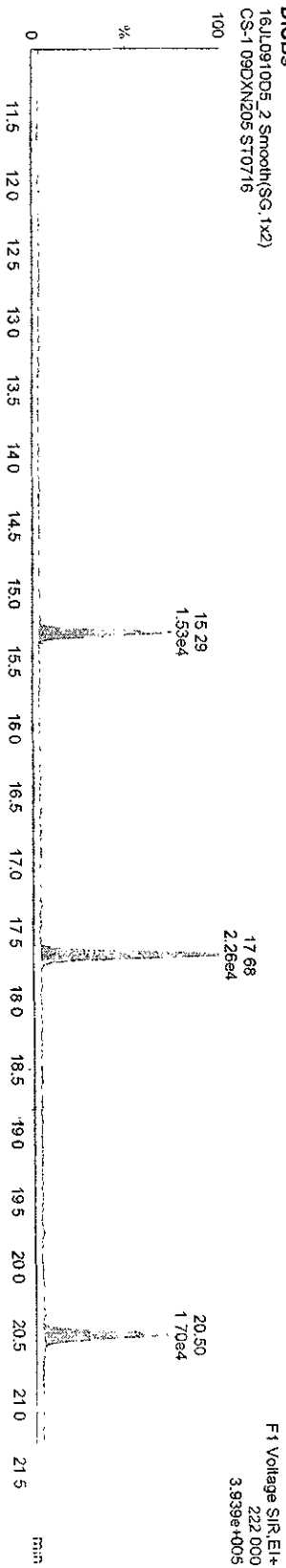
Dataset C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

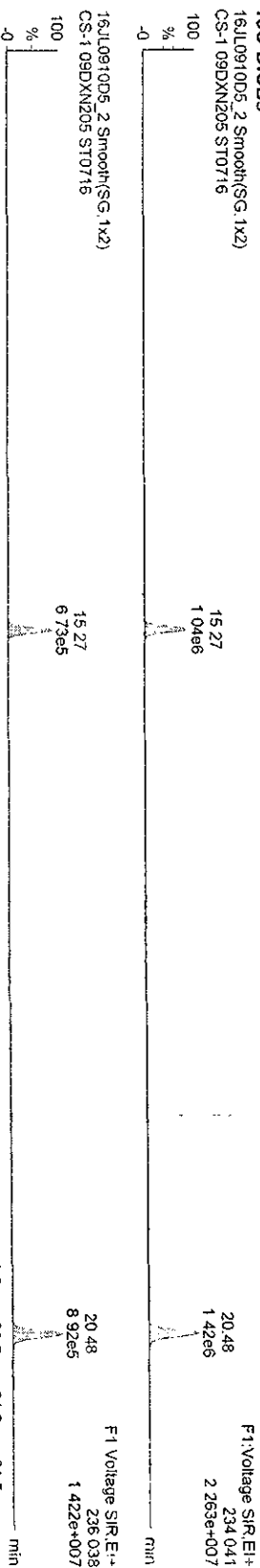
**DICBS**

16JL0910D5\_2 Smooth(SG, 1x2)  
 CS-1 09DXN205 ST0716



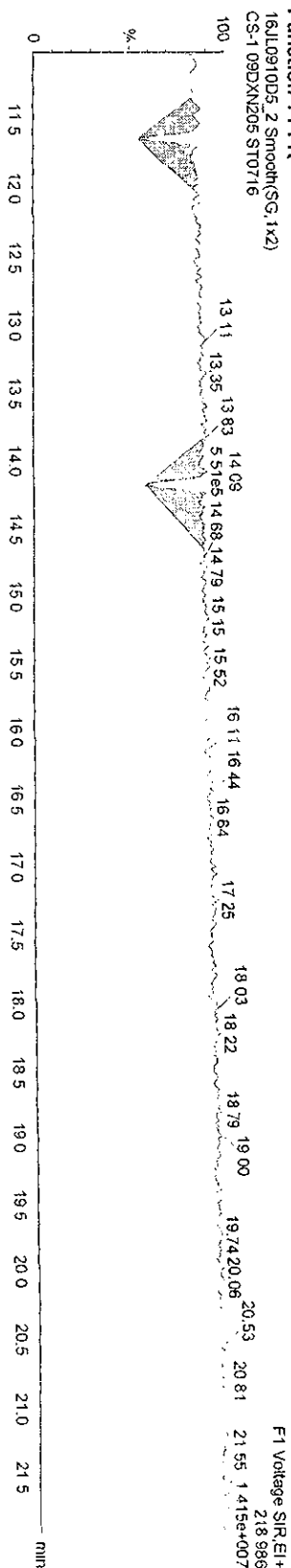
**13C-DICBS**

16JL0910D5\_2 Smooth(SG, 1x2)  
 CS-1 09DXN205 ST0716



**Function 1 PFK**

16JL0910D5\_2 Smooth(SG, 1x2)  
 CS-1 09DXN205 ST0716



Dataset C:\Masslynx\Default\pro1\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

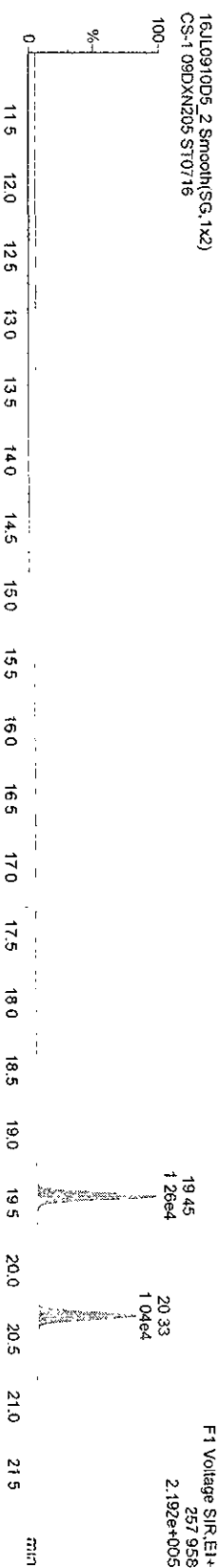
Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

TRCBs

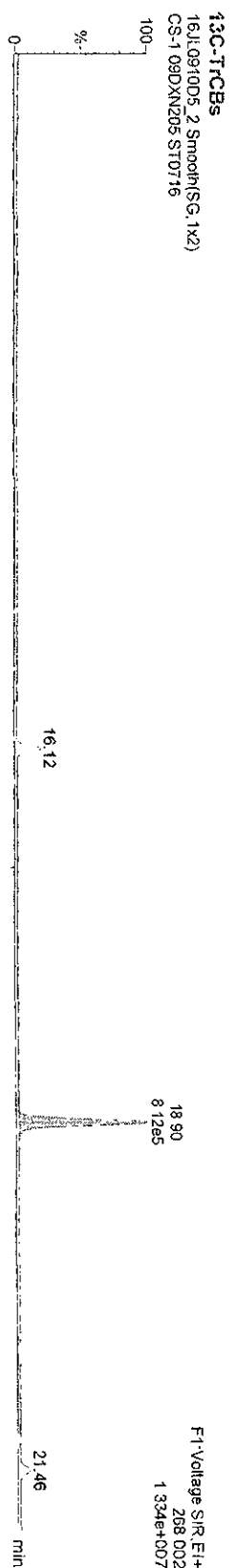
16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



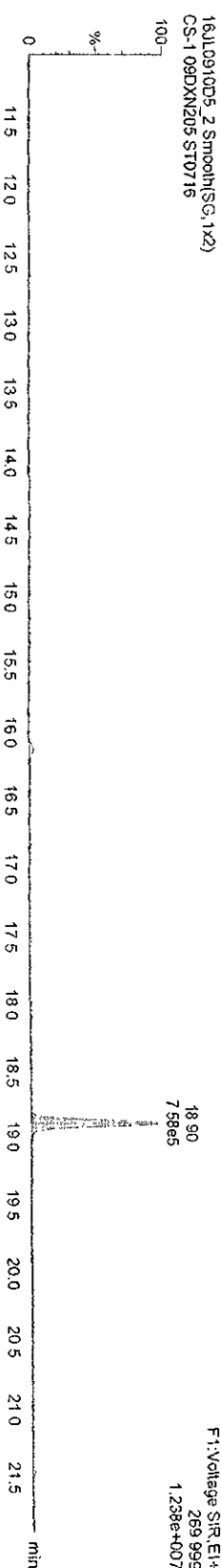
16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



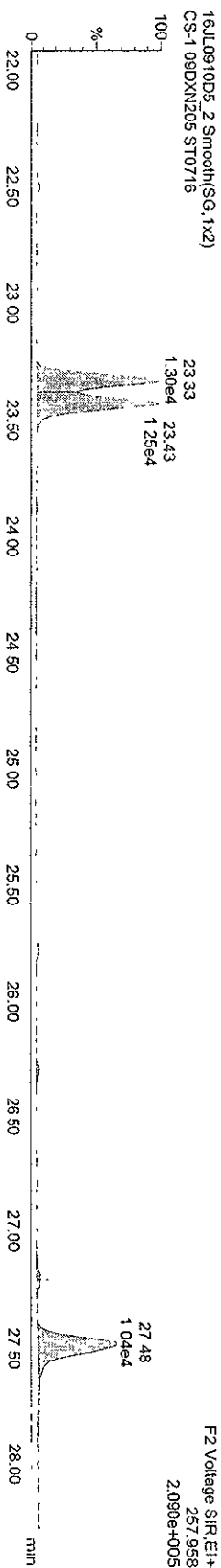
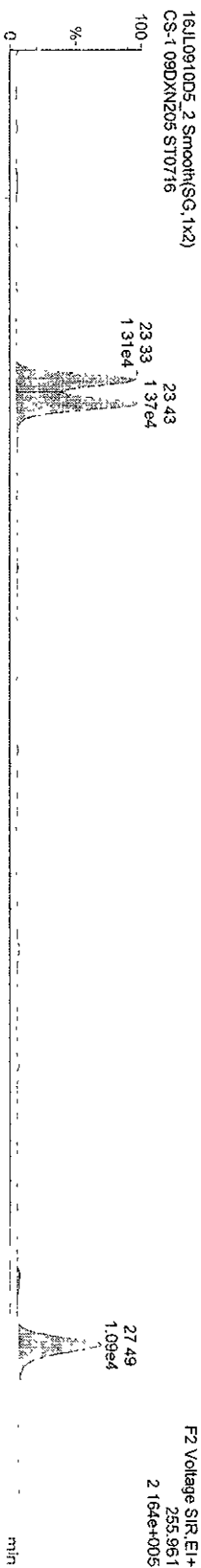
Dataset: C:\MassLynx\Default\proj\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

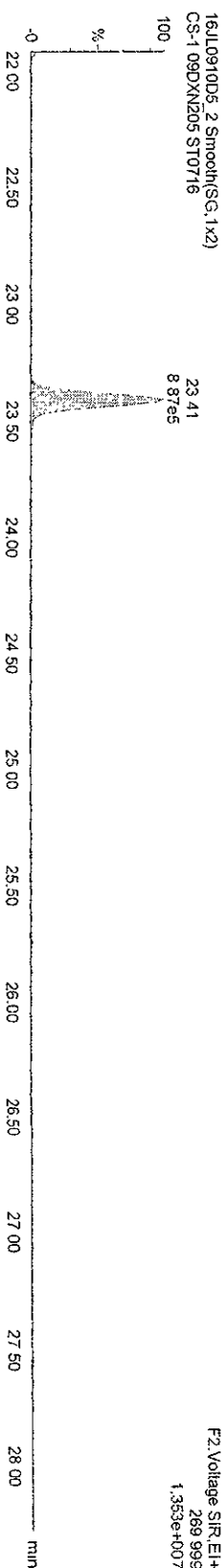
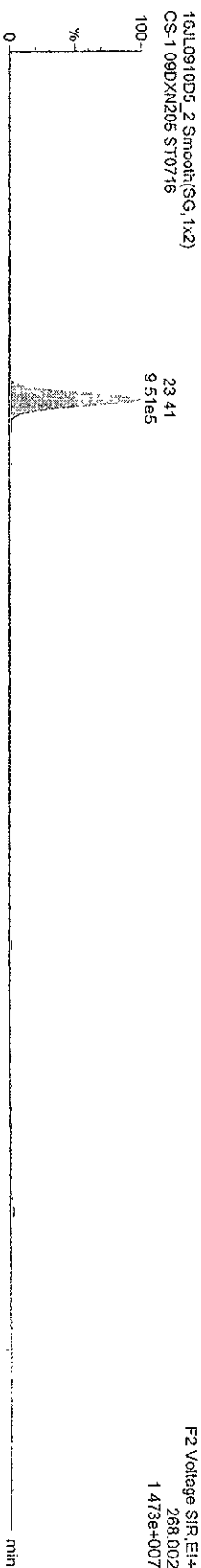
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

TICBS



13C-TICBS

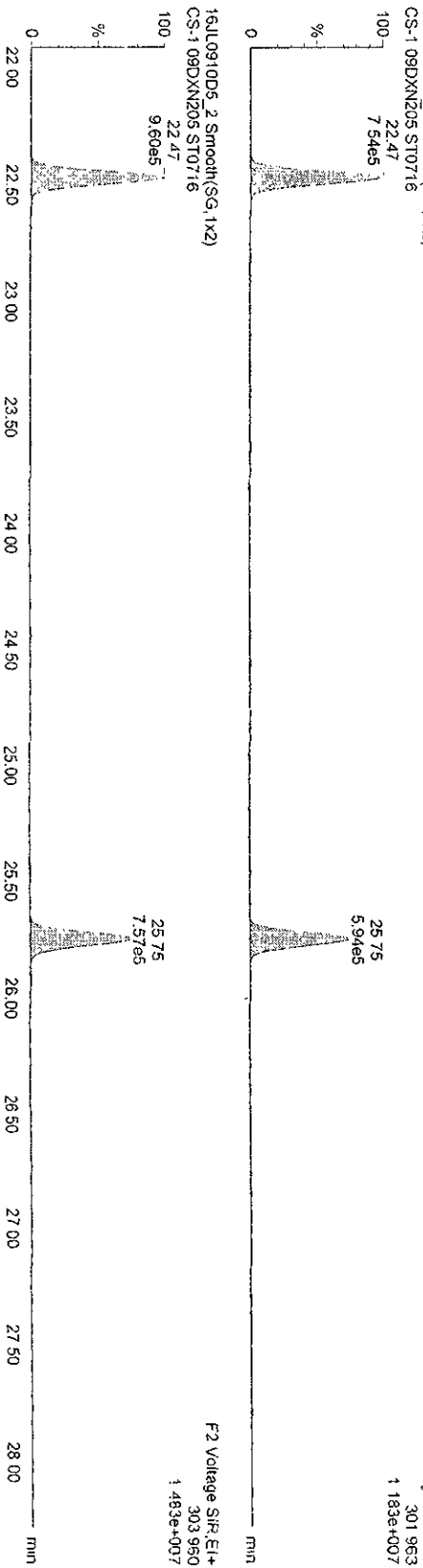
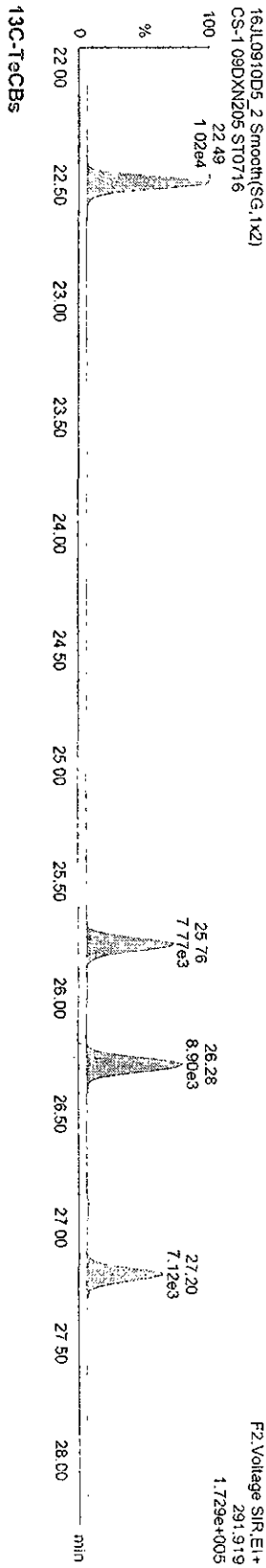
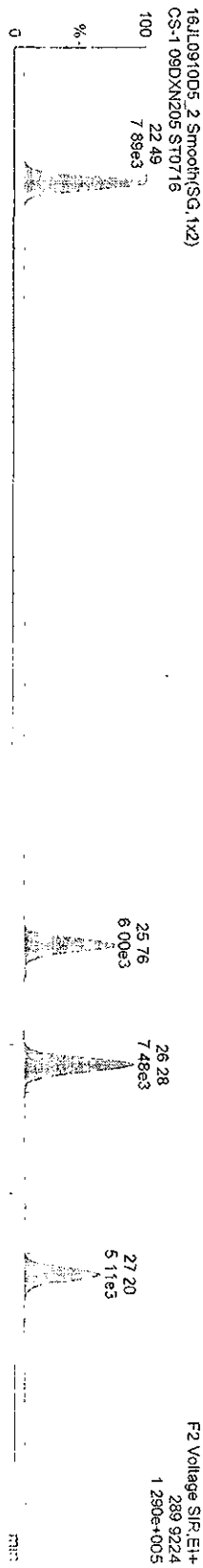


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

TcCBs

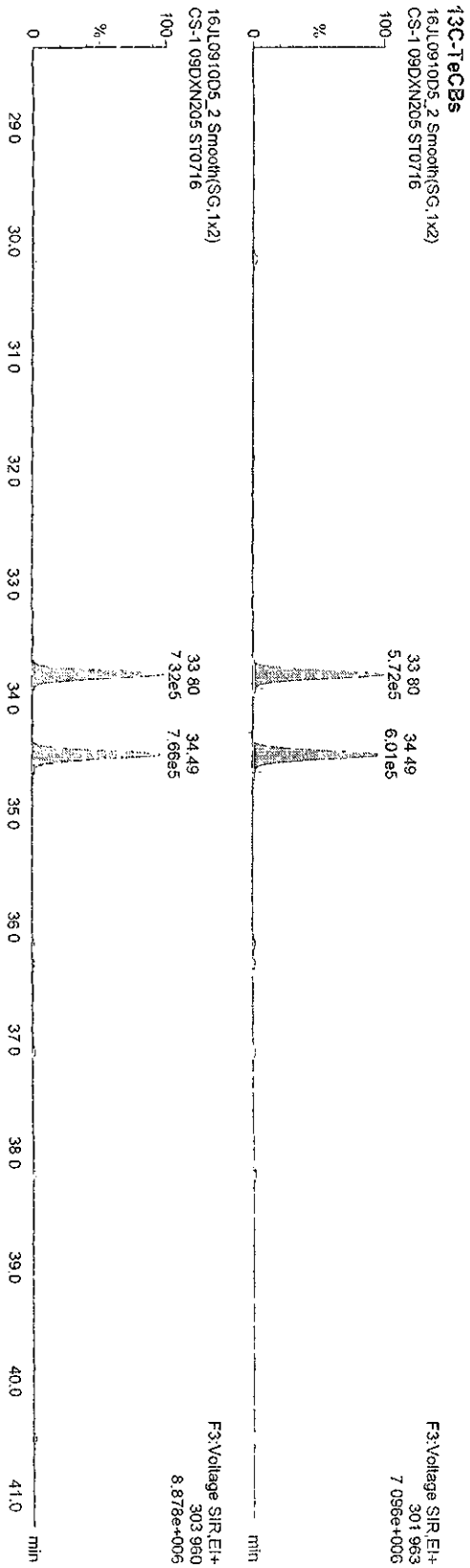
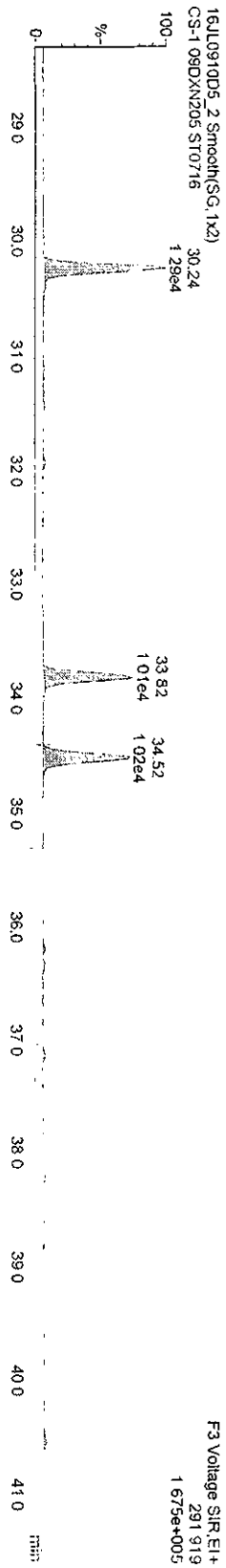
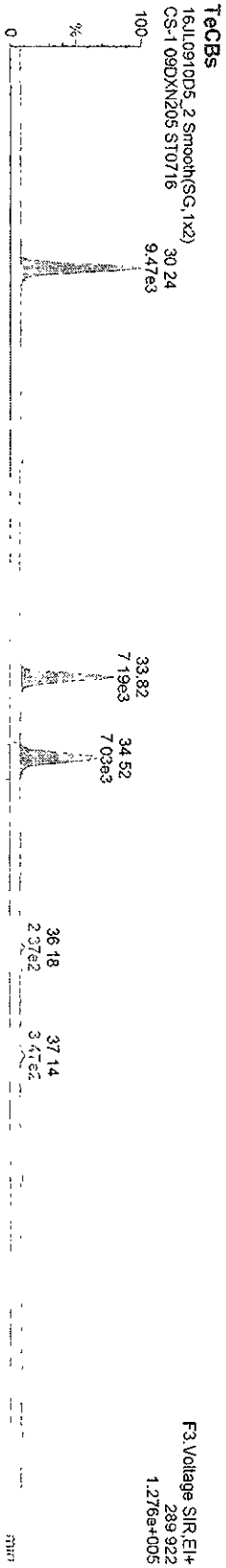


Dataset C:\MassLynx\Default\proj\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16Jul0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205





Dataset C:\MassLynx\Default\prol\CA0716200910D51668M.qld

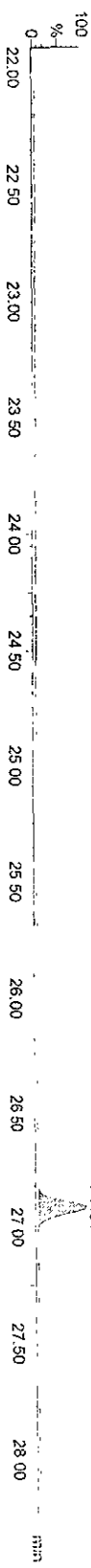
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:09 53 AM Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

PeCBs  
 16JUL0910D5\_2.Smooth(SG,1x2)  
 CS-1 09DXN205 ST0716



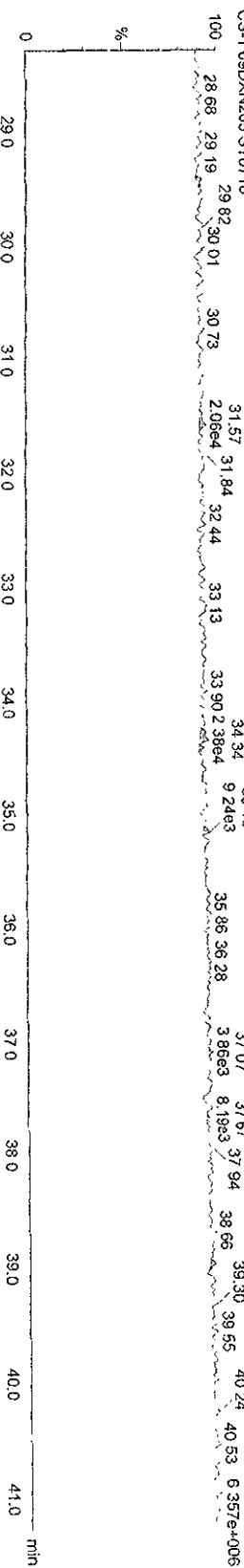
16JUL0910D5\_2.Smooth(SG,1x2)  
 CS-1 09DXN205 ST0716



Function 2 PFK  
 16JUL0910D5\_2.Smooth(SG,1x2)  
 CS-1 09DXN205 ST0716



Function 3 PFK  
 16JUL0910D5\_2.Smooth(SG,1x2)  
 CS-1 09DXN205 ST0716

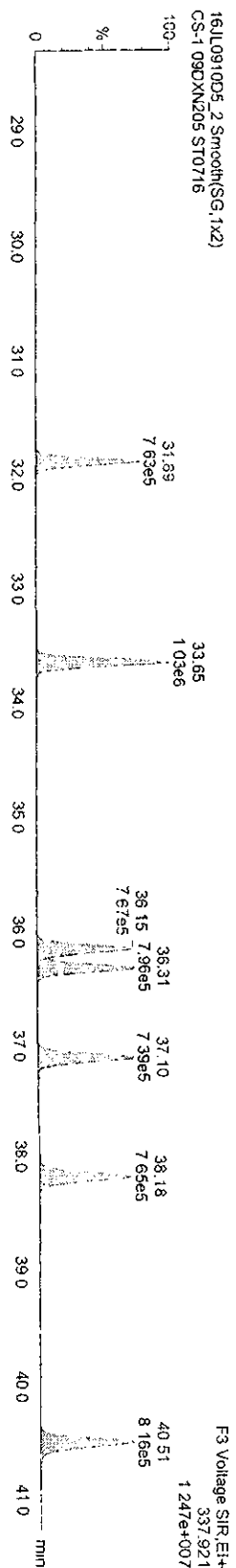
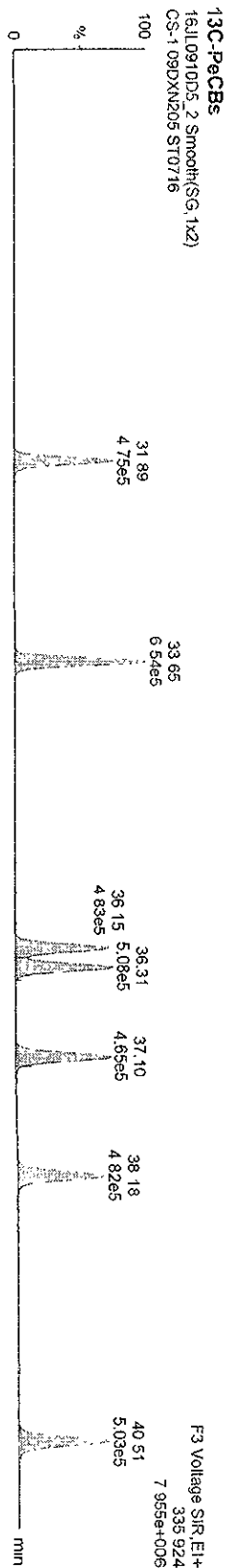
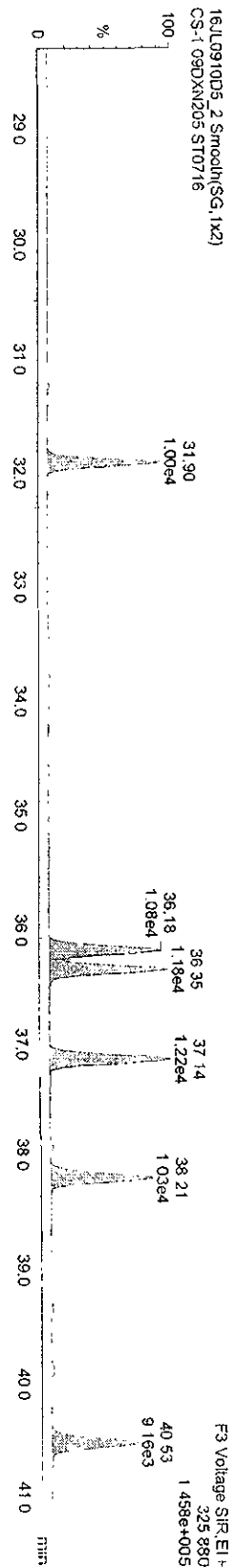
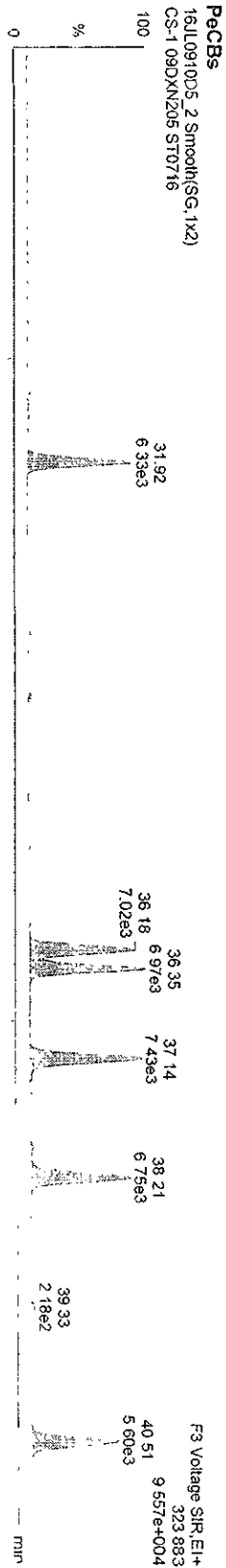


Dataset: C:\MassLynx\Default\proj\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16-Jul-0910D5\_2, Date: 16-Jul-2009, Time: 12:44:56, ID: ST0716, Description: CS-1-09DXN205



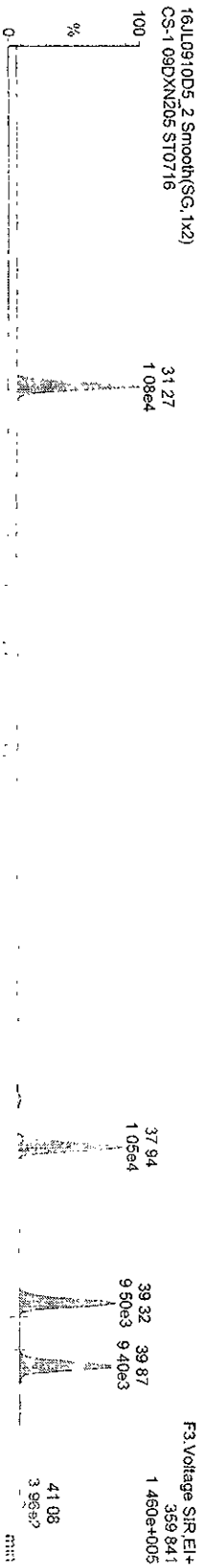
Dataset C:\MassLynx\Default\pro\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5 29 51 PM Pacific Daylight Time

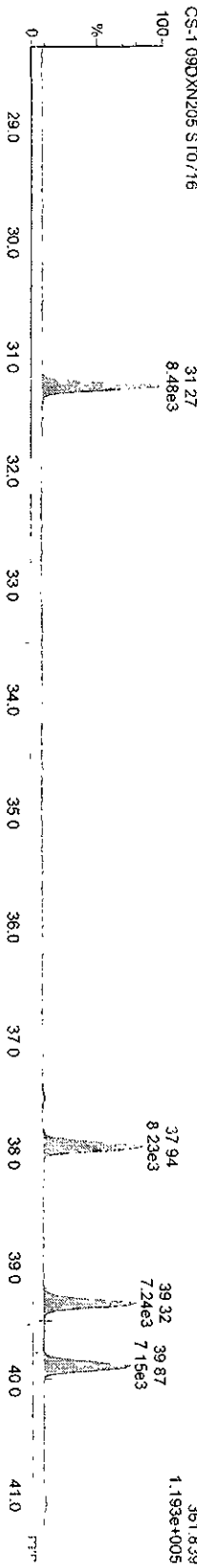
Printed Friday, July 17, 2009 8 09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

HxCBs



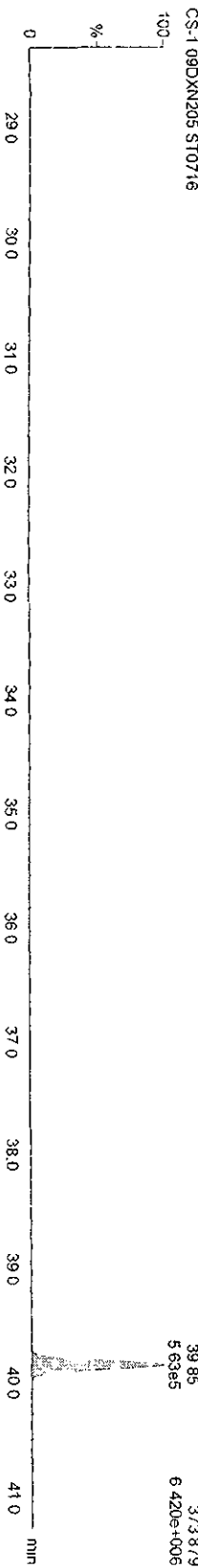
16JUL0910D5\_2 Smooth(SG, 1x2)



13C-HxCBs



16JUL0910D5\_2 Smooth(SG, 1x2)

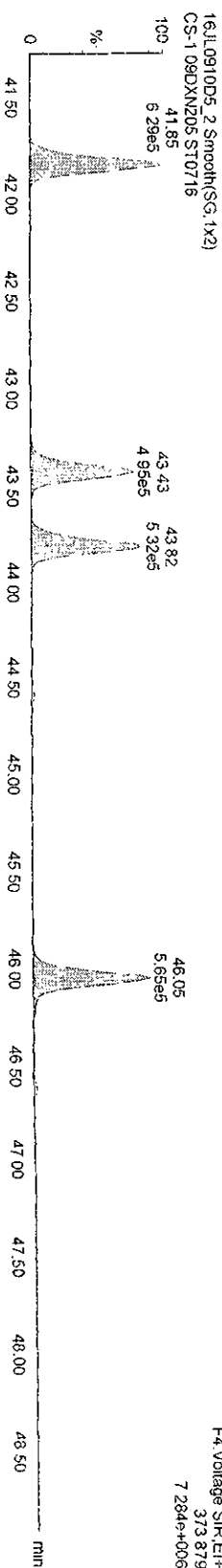
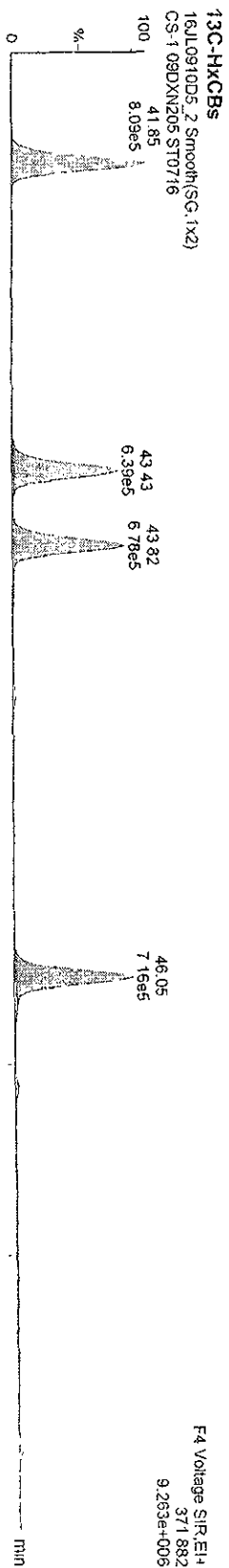
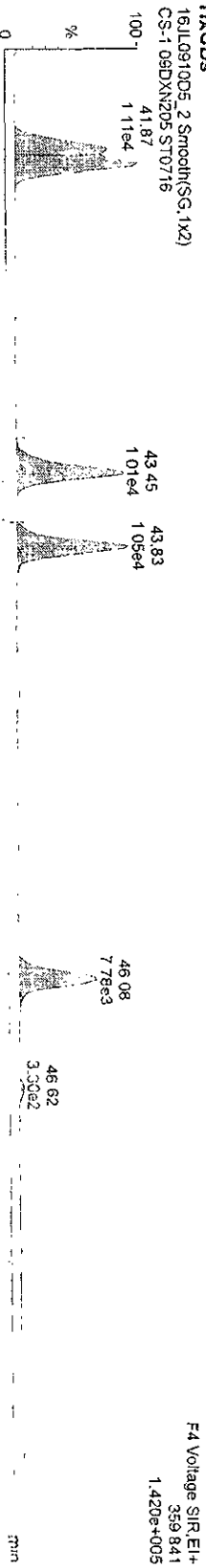


Dataset C:\MassLynxDefault\proj\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

HXCBS



Dataset C:\MassLynx\Default\pro\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

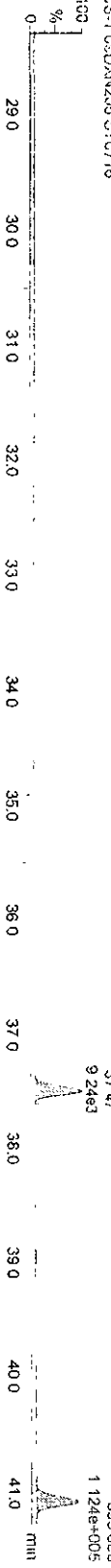
Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

**HPCBs**

16JUL0910D5\_2 Smooth(SG, 1x2)  
 CS-1 09DXN205 ST0716

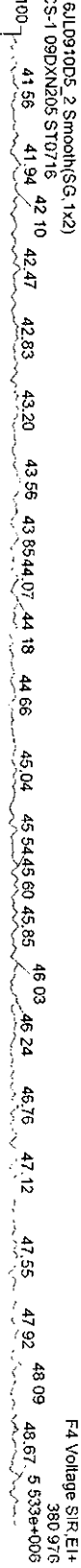


16JUL0910D5\_2 Smooth(SG, 1x2)  
 CS-1 09DXN205 ST0716



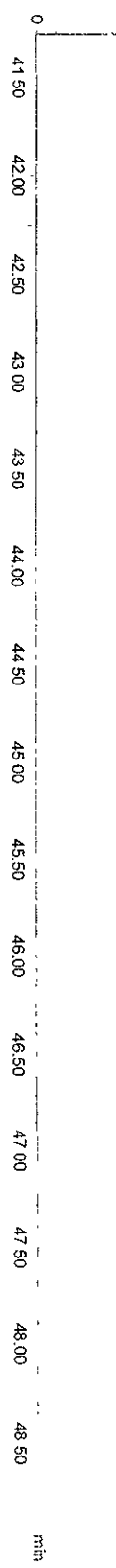
**Function 4 PFK**

16JUL0910D5\_2 Smooth(SG, 1x2)  
 CS-1 09DXN205 ST0716



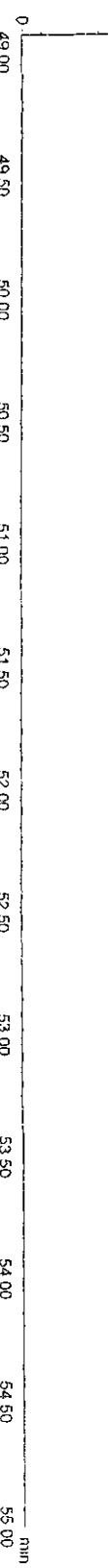
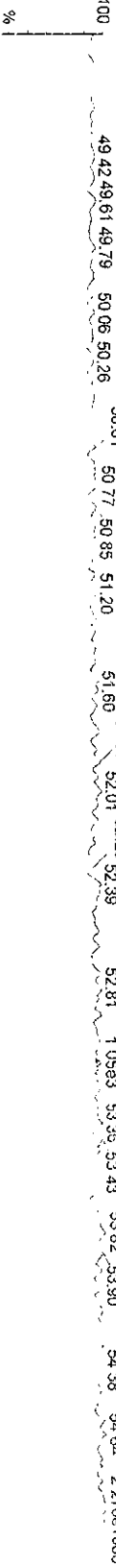
**Function 5 PFK**

16JUL0910D5\_2 Smooth(SG, 1x2)  
 CS-1 09DXN205 ST0716



**Function 6 PFK**

16JUL0910D5\_2 Smooth(SG, 1x2)  
 CS-1 09DXN205 ST0716



Dataset C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

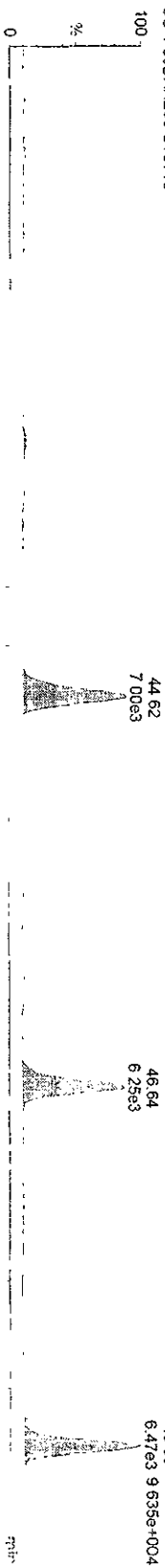
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1-09DXN205

HpCBs

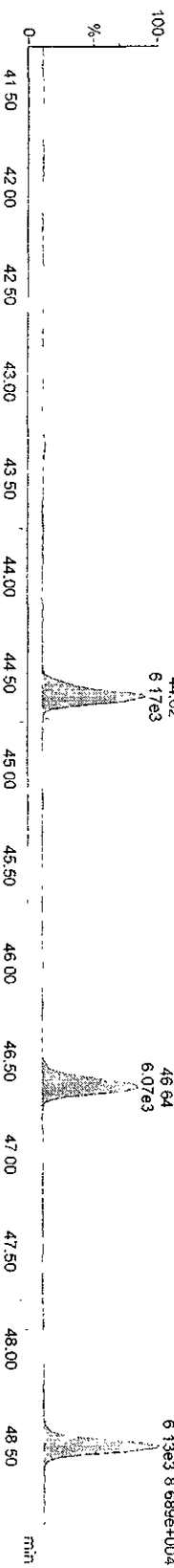
16JL0910D5\_2 Smooth(SG, 1x2)

CS-1-09DXN205 ST0716



16JL0910D5\_2 Smooth(SG, 1x2)

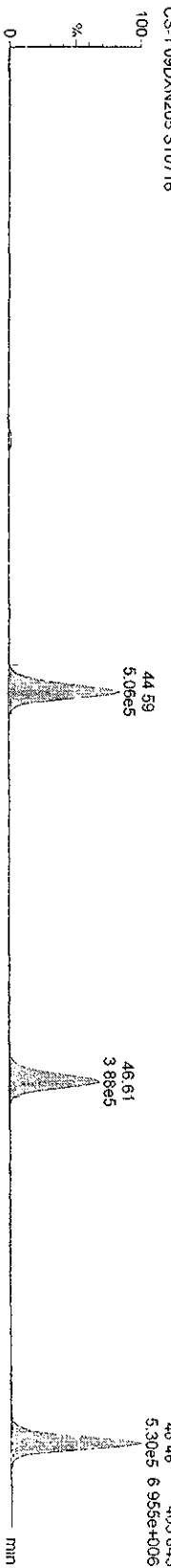
CS-1-09DXN205 ST0716



13C-HpCBs

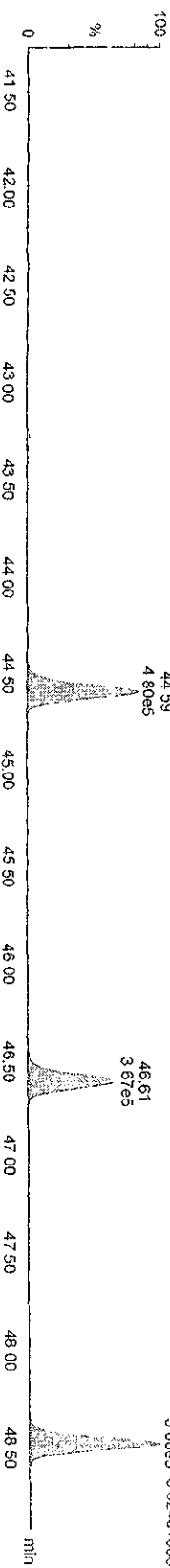
16JL0910D5\_2 Smooth(SG, 1x2)

CS-1-09DXN205 ST0716



16JL0910D5\_2 Smooth(SG, 1x2)

CS-1-09DXN205 ST0716



Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M.qld

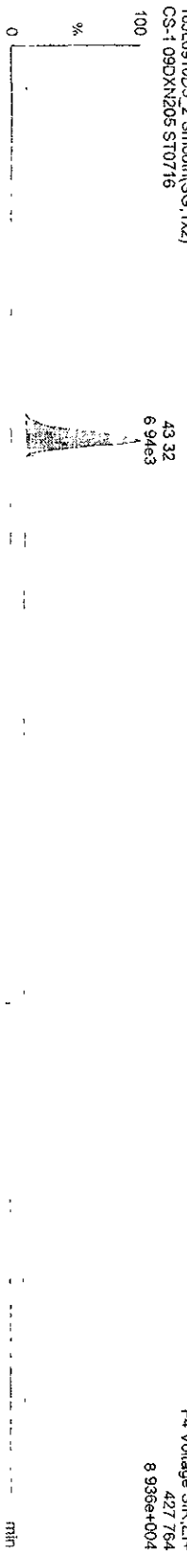
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

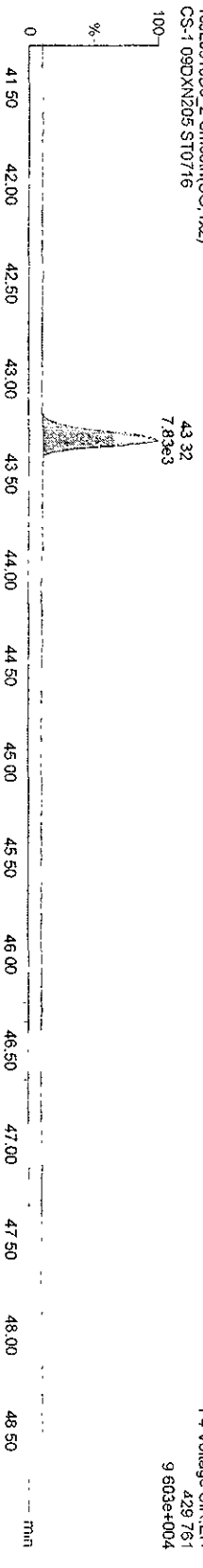
Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

OCCBs

16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716

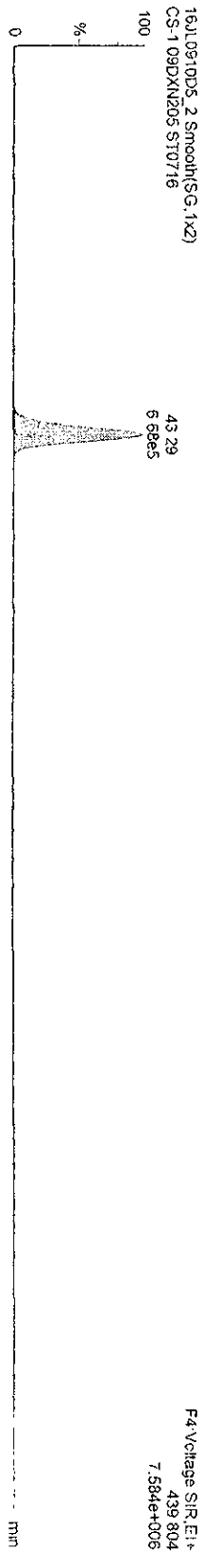


16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716

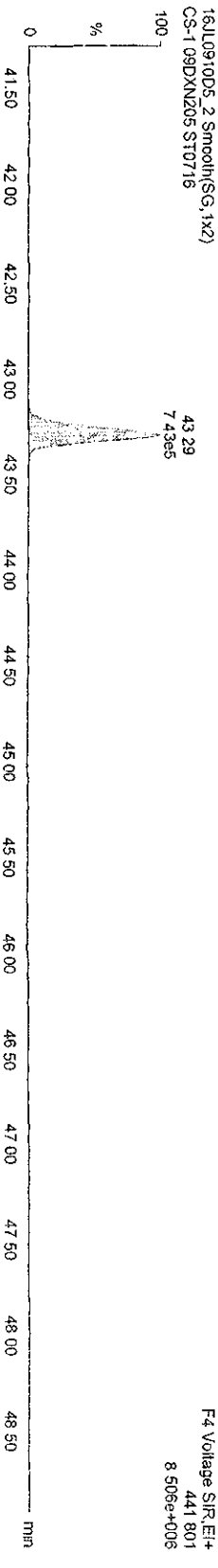


13C-OCCBs

16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



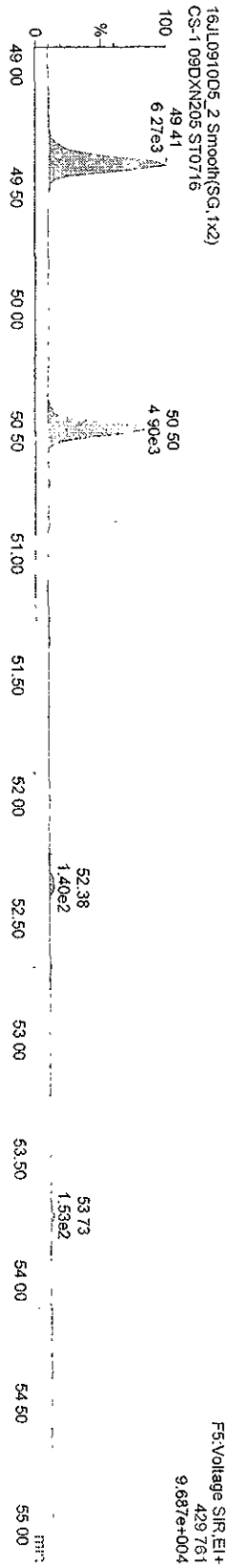
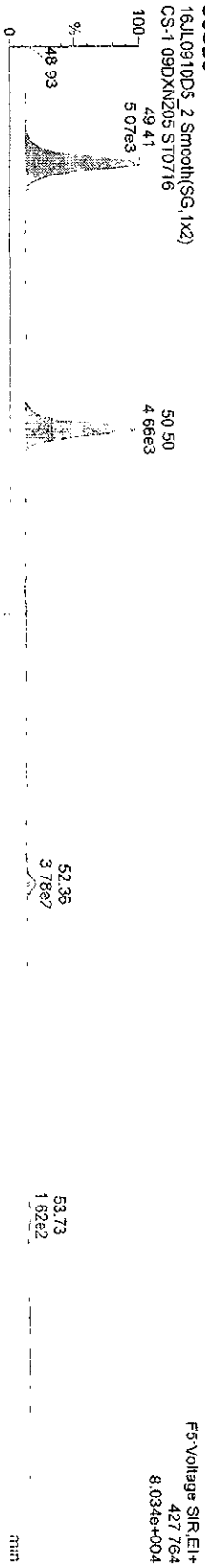
Dataset: C:\Masslynx\Default\proj\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

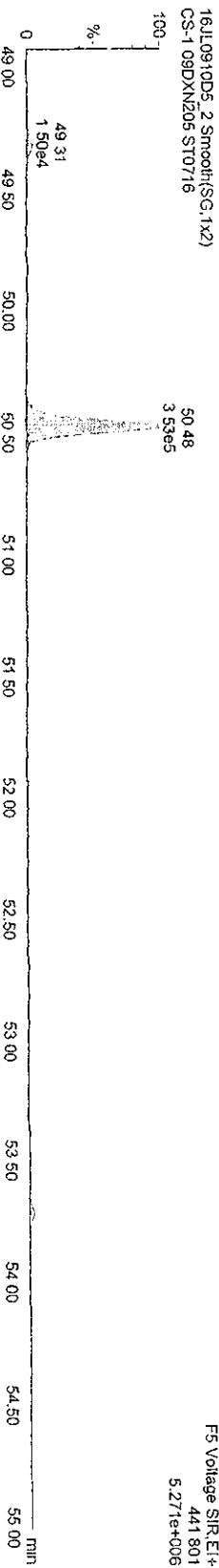
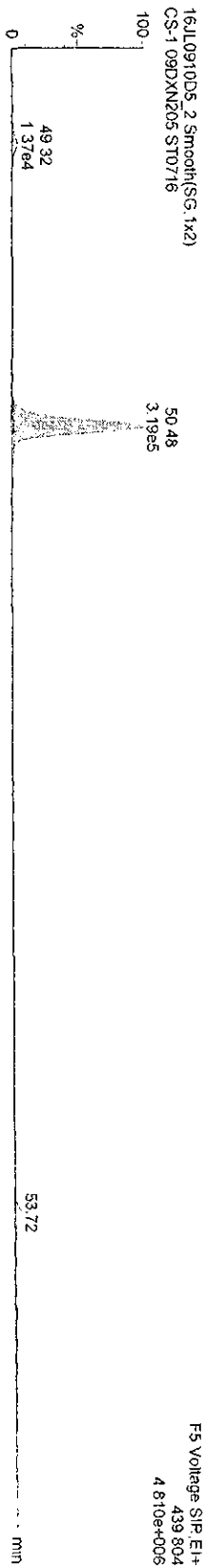
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXNZ05

OCCBs



13C-OCCBs





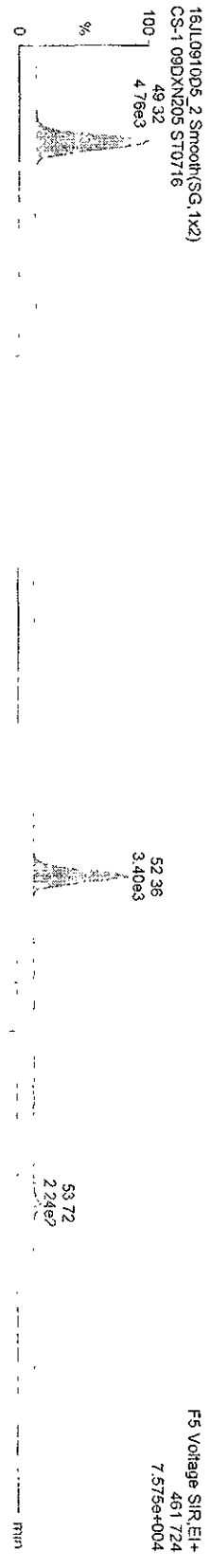
Dataset: C:\Masslynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16-Jul-0910D5\_2, Date: 16-Jul-2009, Time: 12:44:56, ID: ST0716, Description: CS-1 09DXN205

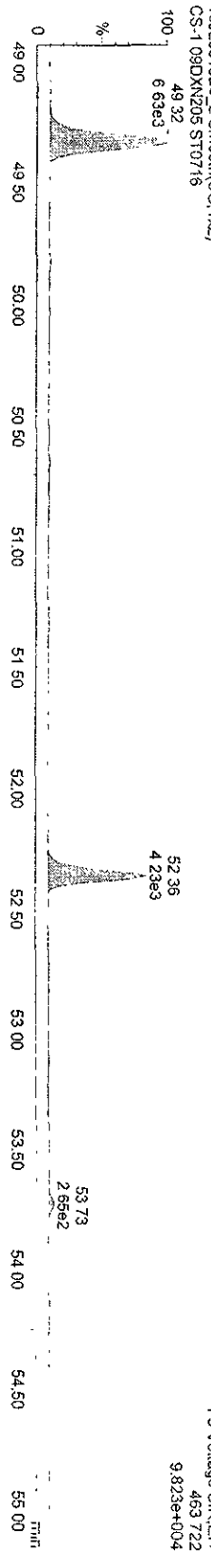
NoCBs



16JUL0910D5\_2 Smooth(SG, 1x2)

CS-1 09DXN205 ST0716

F5 Voltage SIR\_EI+  
463.722  
9.823e+004



13C-NoCBs

16JUL0910D5\_2 Smooth(SG, 1x2)

CS-1 09DXN205 ST0716

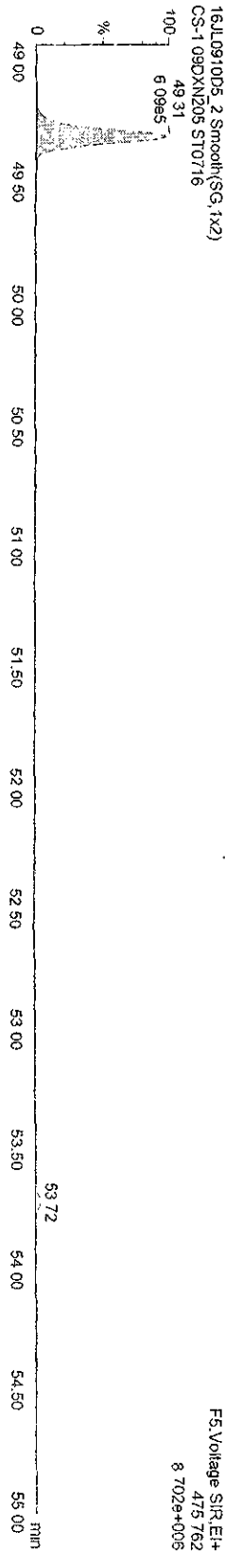
F5 Voltage SIR\_EI+  
473.765  
6.915e+006



16JUL0910D5\_2 Smooth(SG, 1x2)

CS-1 09DXN205 ST0716

F5 Voltage SIR\_EI+  
475.762  
8.702e+006

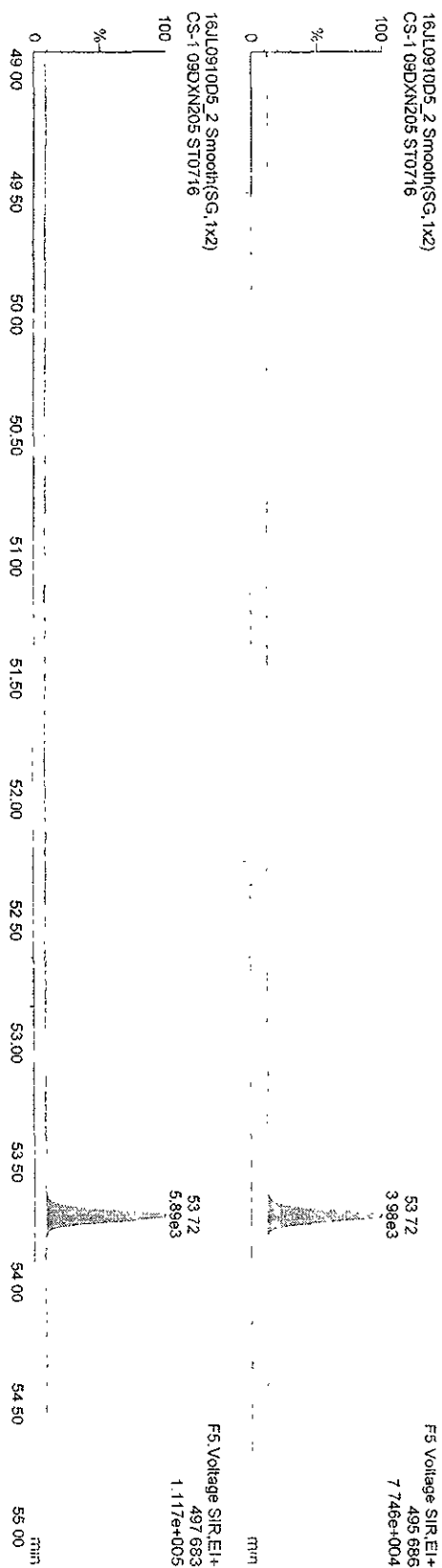


Dataset C:\MassLynx\Default\prol\CA0716200910D51668M.qld

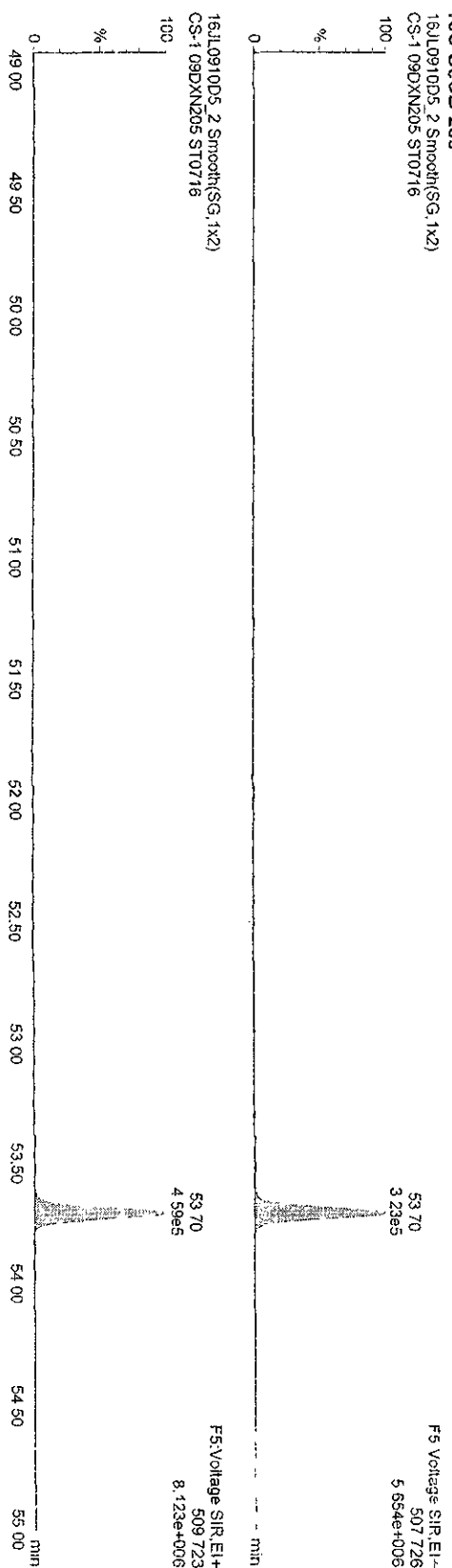
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16-Jul-0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

DecB-209  
16Jul0910D5\_2.Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



13C-DecB-209  
16Jul0910D5\_2.Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



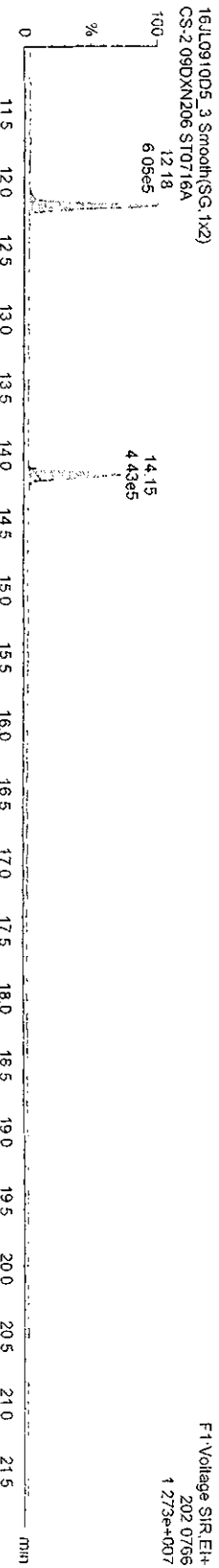
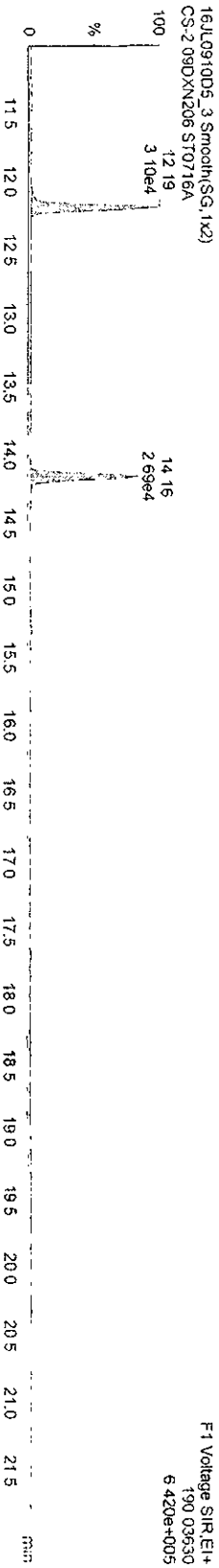
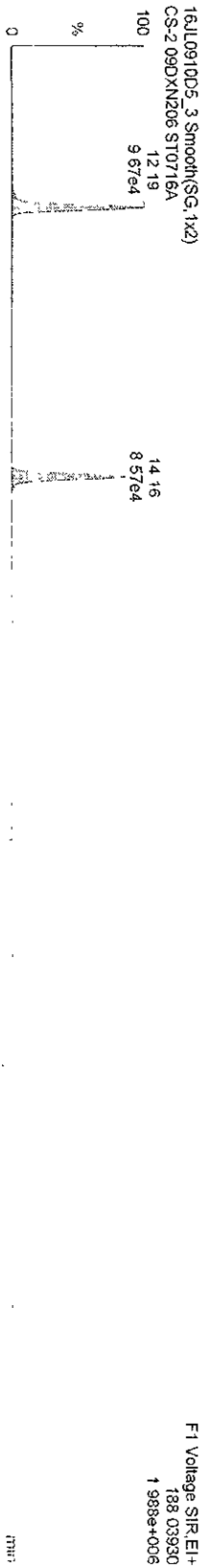
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Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16Jul0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

MoCBs

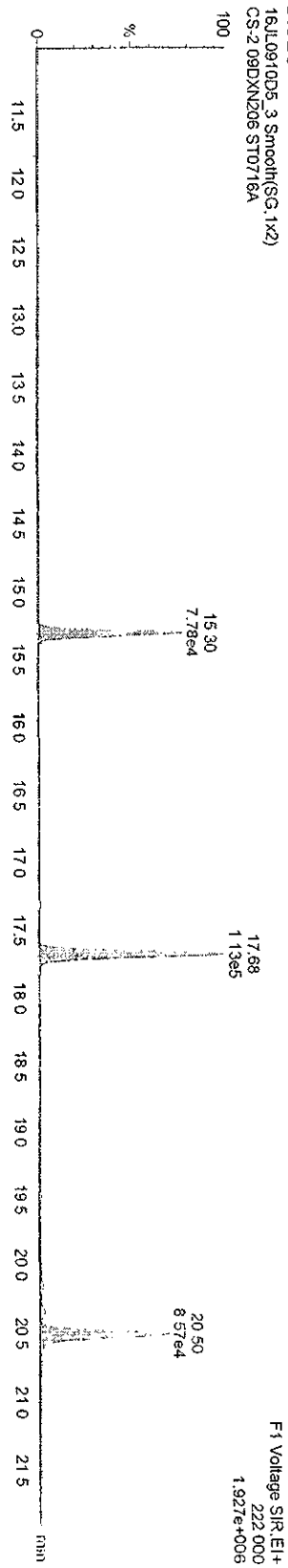


Dataset: C:\Masslynx\Default\proj\CA0716200910D51668M.qld

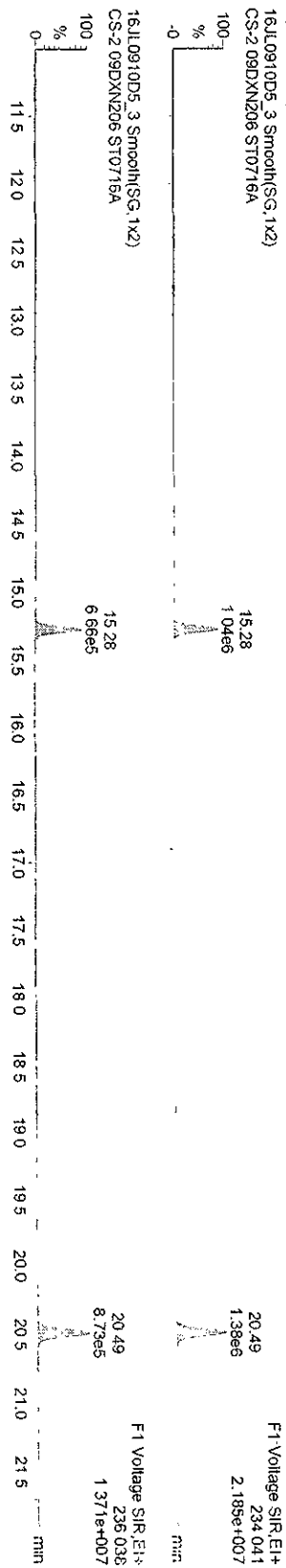
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

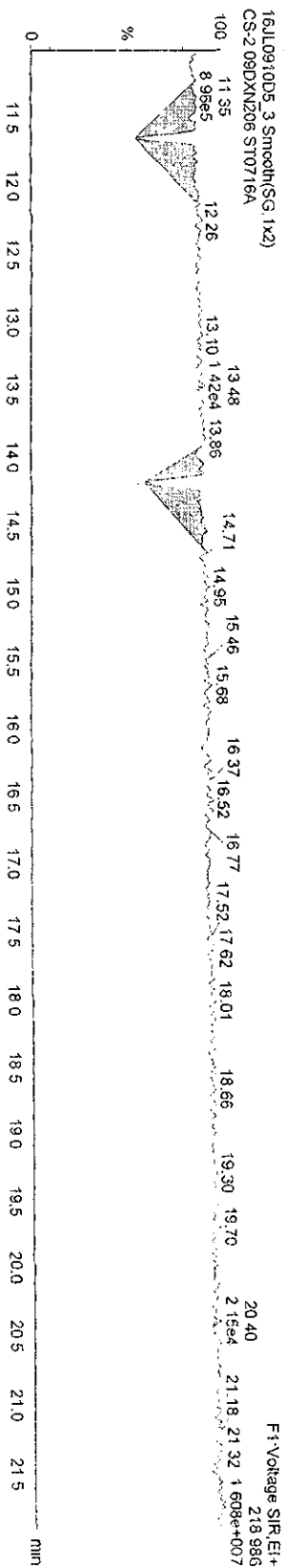
DICBs



13C-DICBs



Function 1 PFK



Dataset C:\Masslynx\Default\proj\CA0716200910D51668M.qld

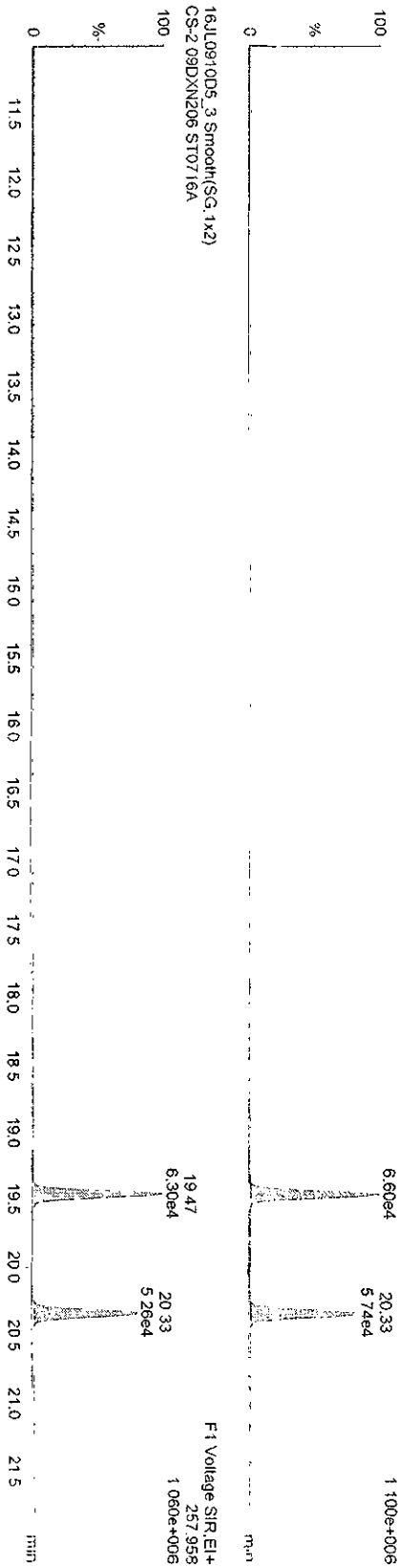
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

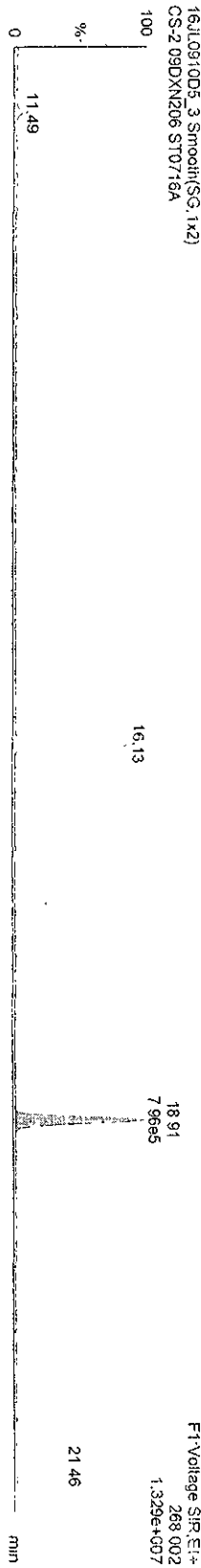
TICBS

16JL0910D5\_3.Smooth(SG,1x2)  
CS-2-09DXN206 ST0716A

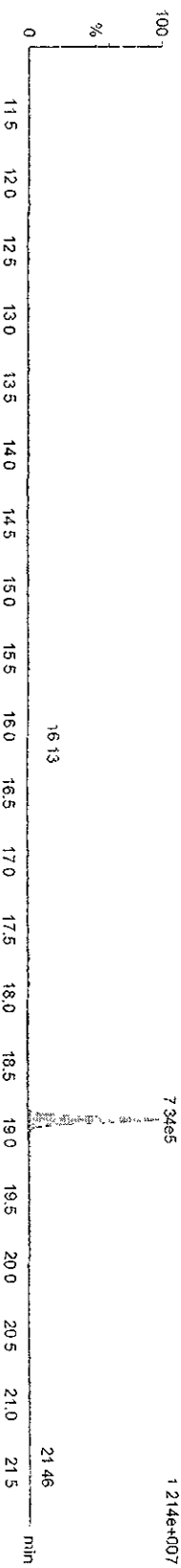


13C-TICBS

16JL0910D5\_3.Smooth(SG,1x2)  
CS-2-09DXN206 ST0716A



16JL0910D5\_3.Smooth(SG,1x2)  
CS-2-09DXN206 ST0716A

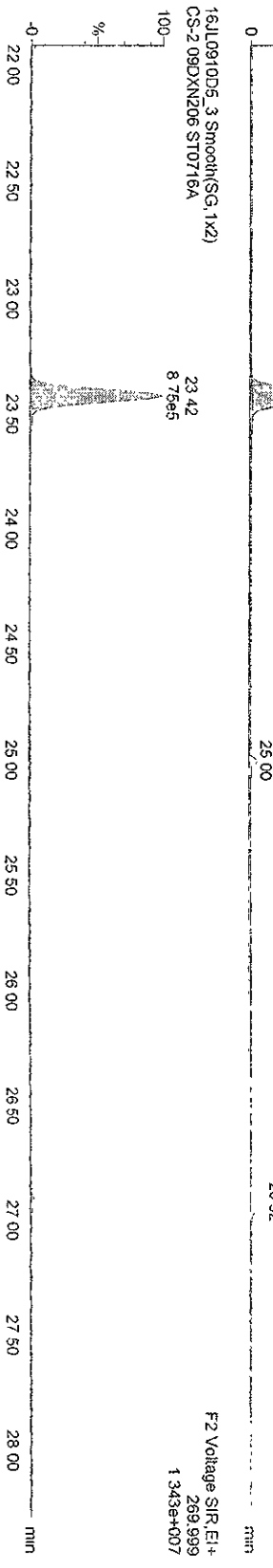
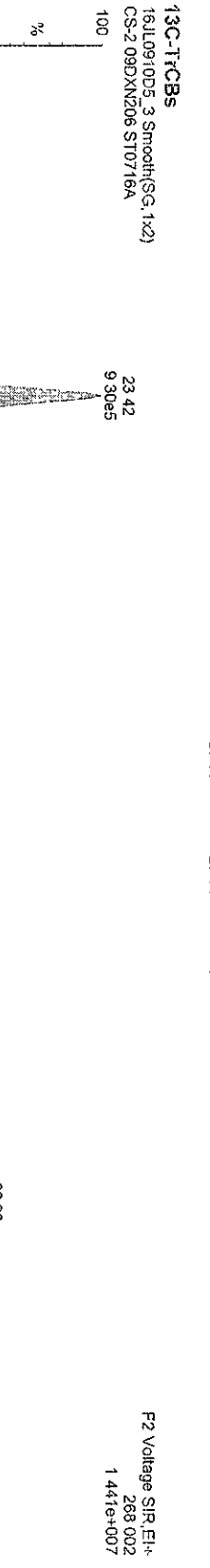
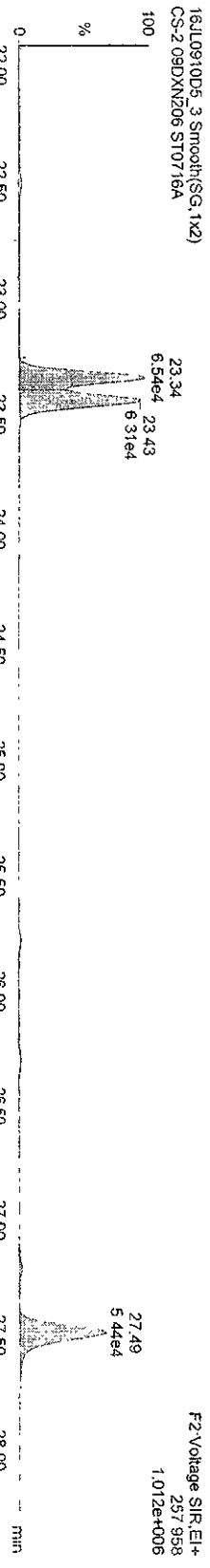
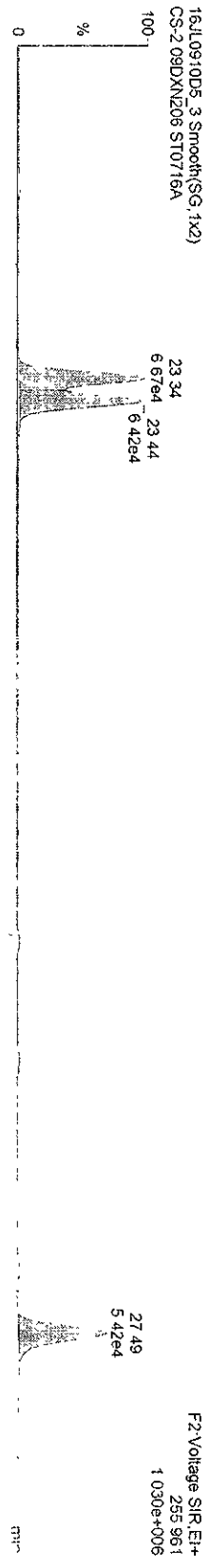


Dataset C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

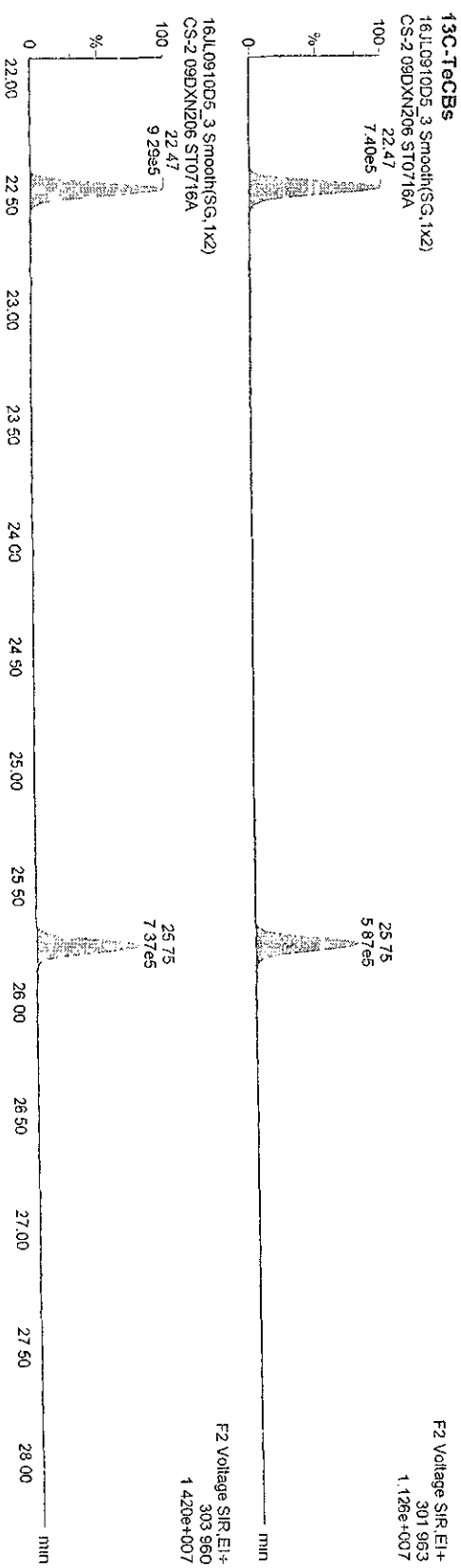
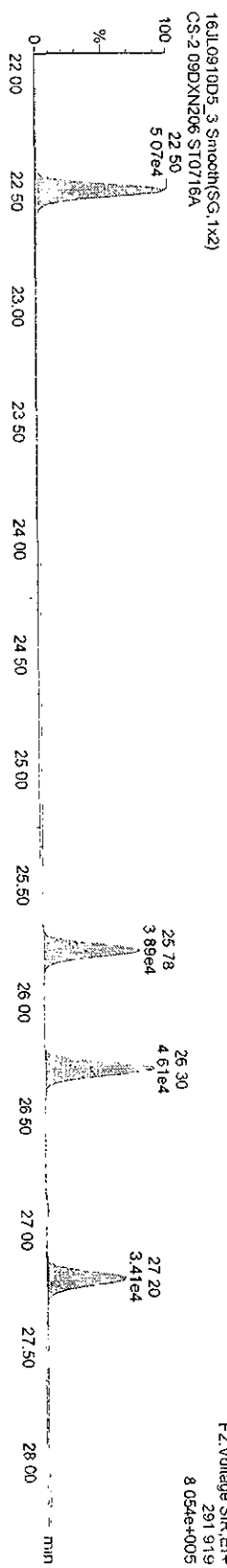
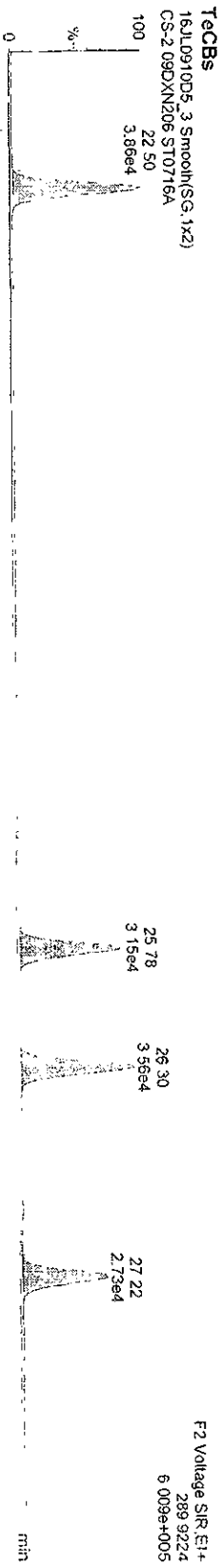
TICBS



Dataset C:\MassLynx\Default\proj\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

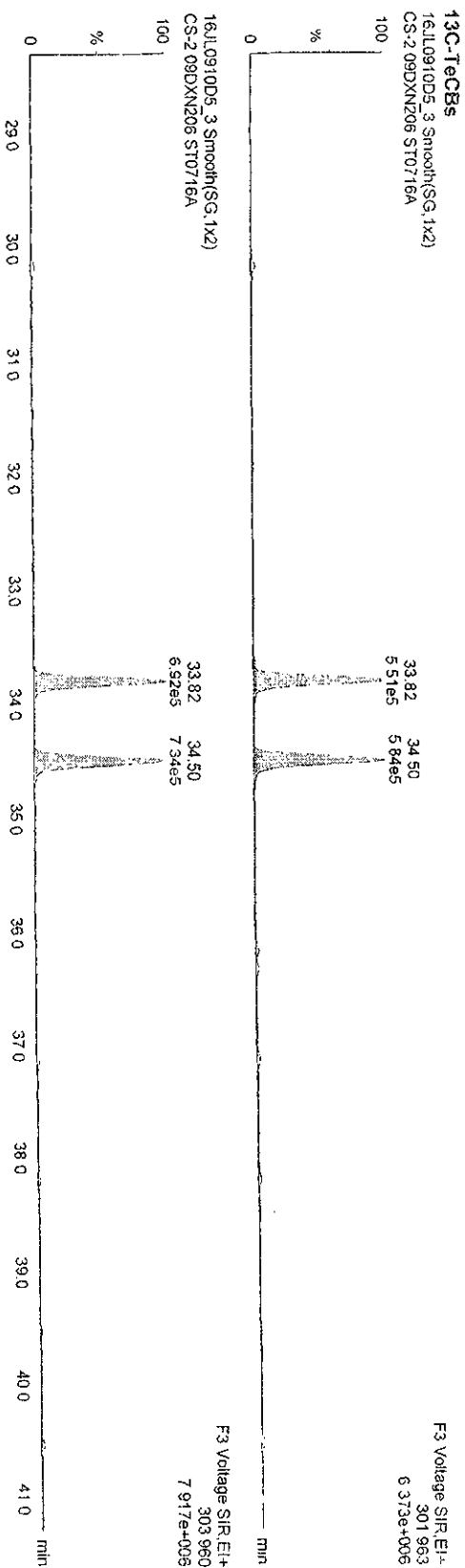
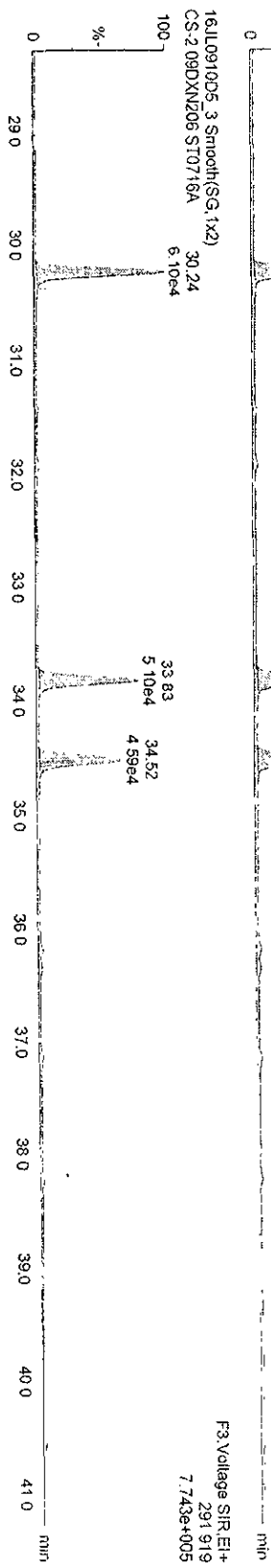
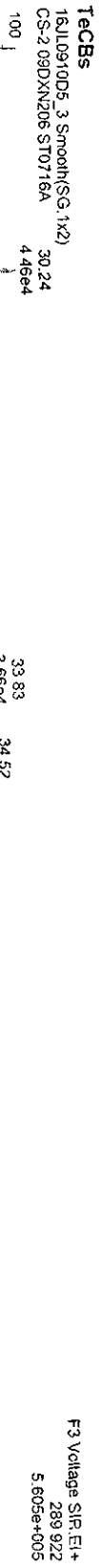
Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206



Dataset: C:\MassLynx\Default\pro\11CA07162\200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206





Dataset: C:\MassLynx\Default\proj\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

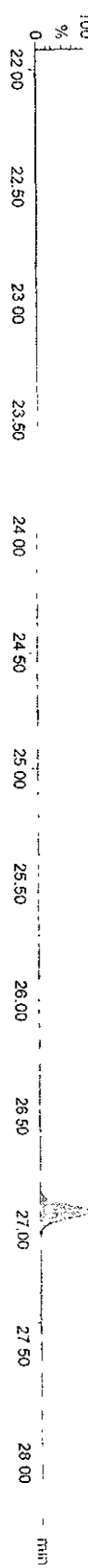
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PeCBs

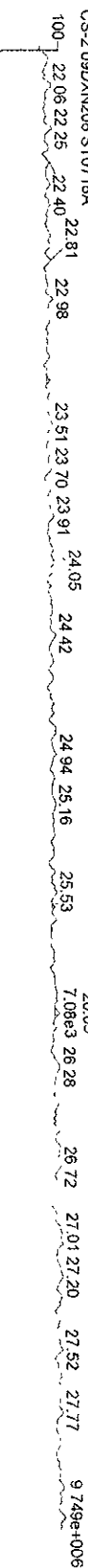
16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A



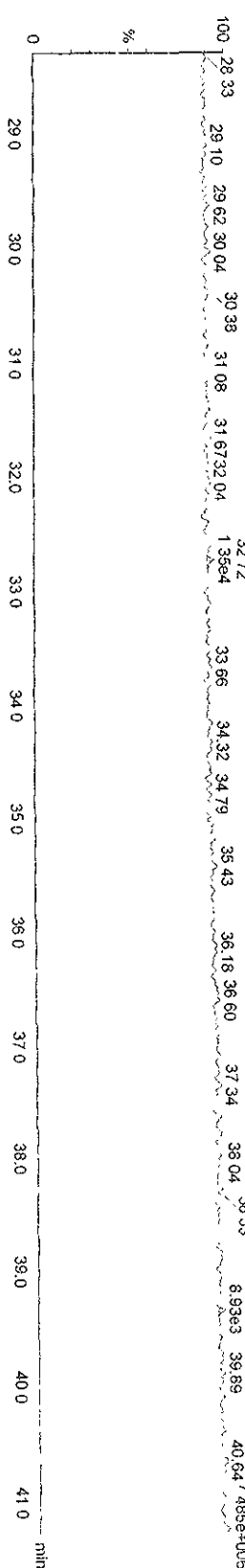
16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A



Function 2 PFK  
16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A



Function 3 PFK  
16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A



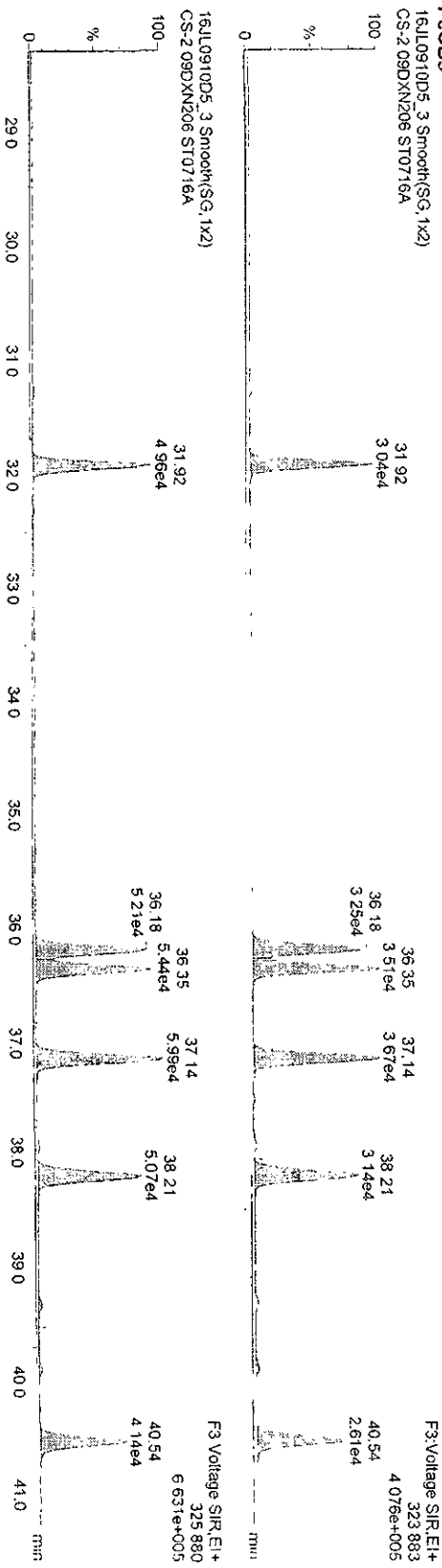
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Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

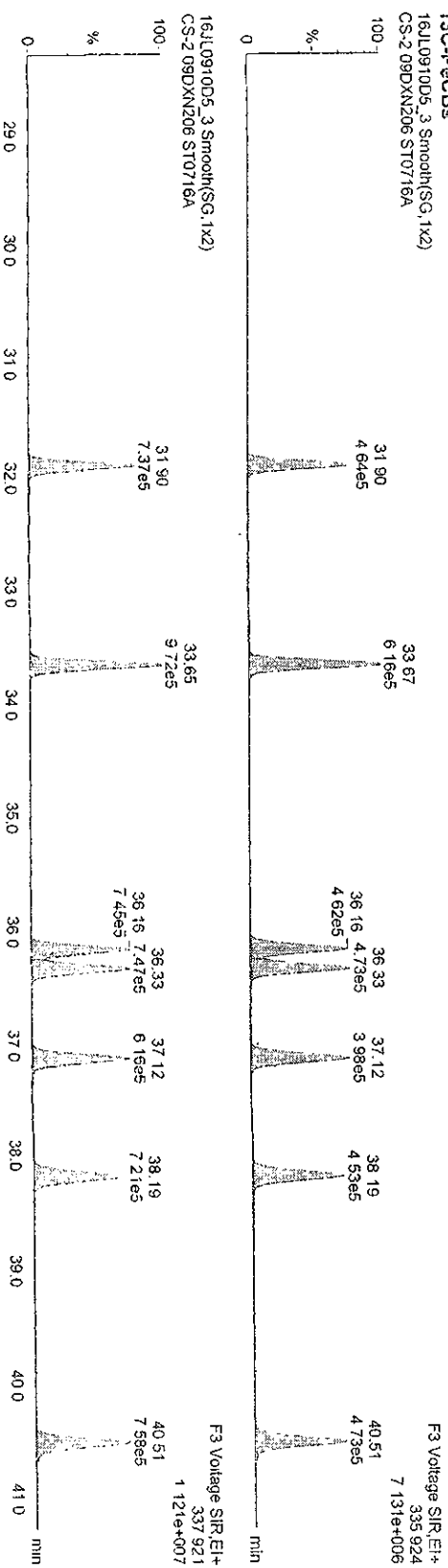
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

**PeCBs**



**13C-PeCBs**

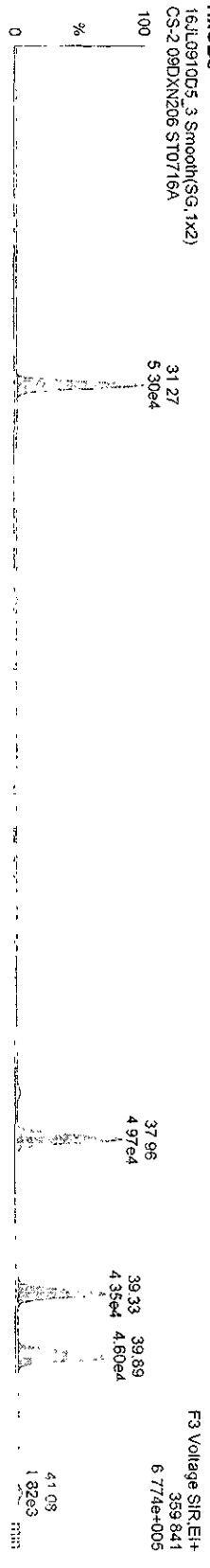


Dataset C:\Masslynx\Default\prol\CA0716200910D51668M.qtd

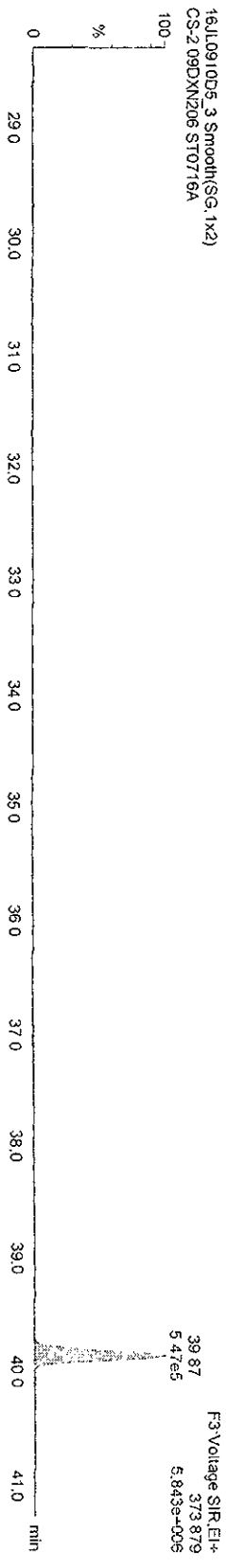
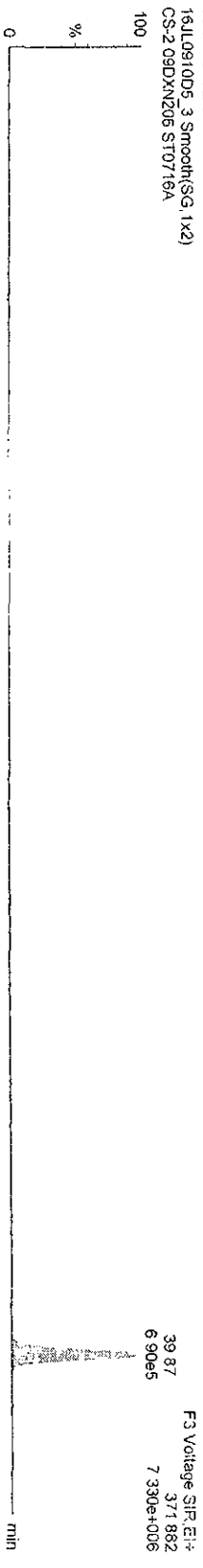
Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

HxCBs



13C-HxCBs



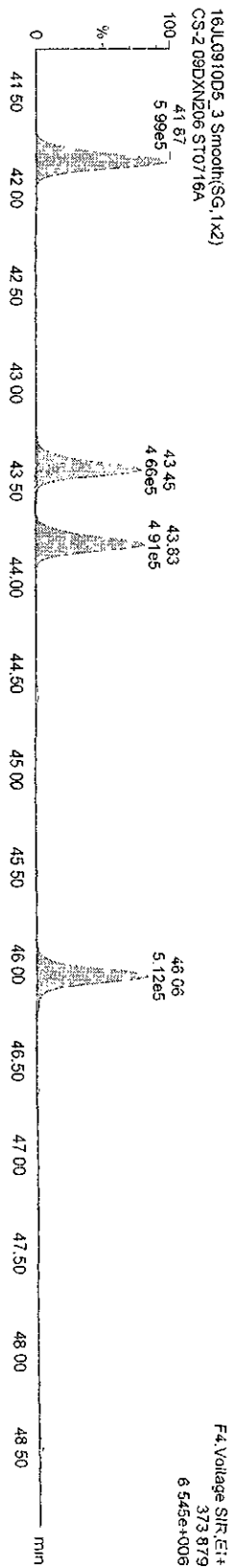
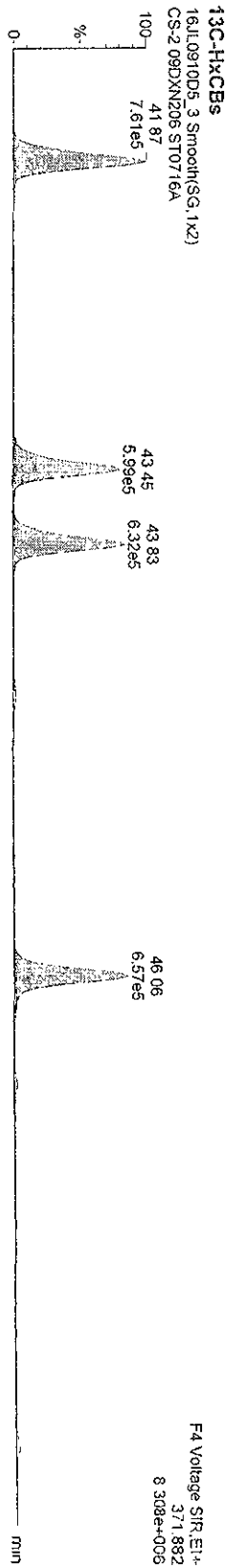
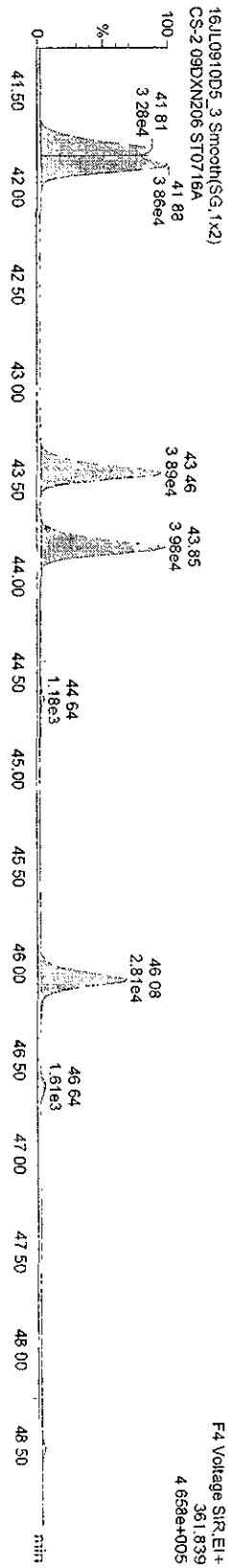
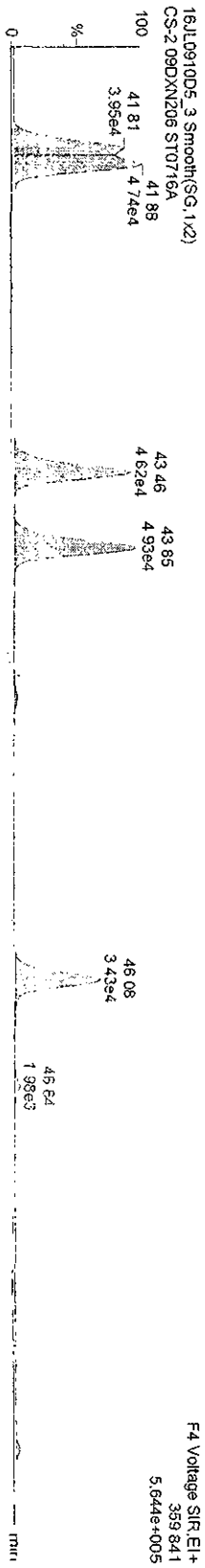
Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29 51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09 53 AM Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

HxCBs



Dataset C:\MassLynx\Default\proj\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

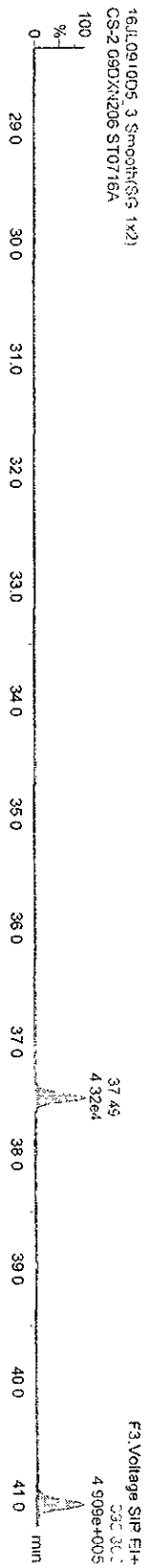
Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

HPGBs

16JL0910D5\_3 Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A

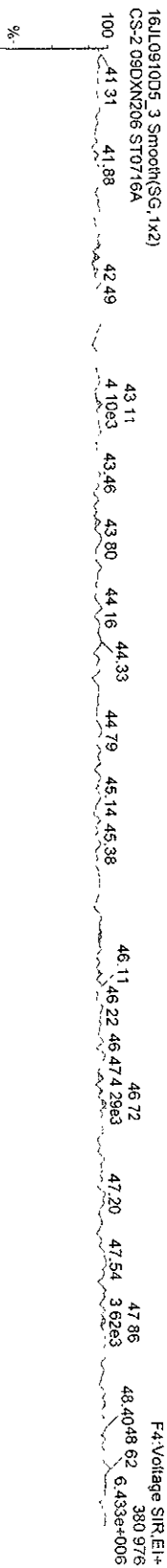


16JL0910D5\_3 Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A



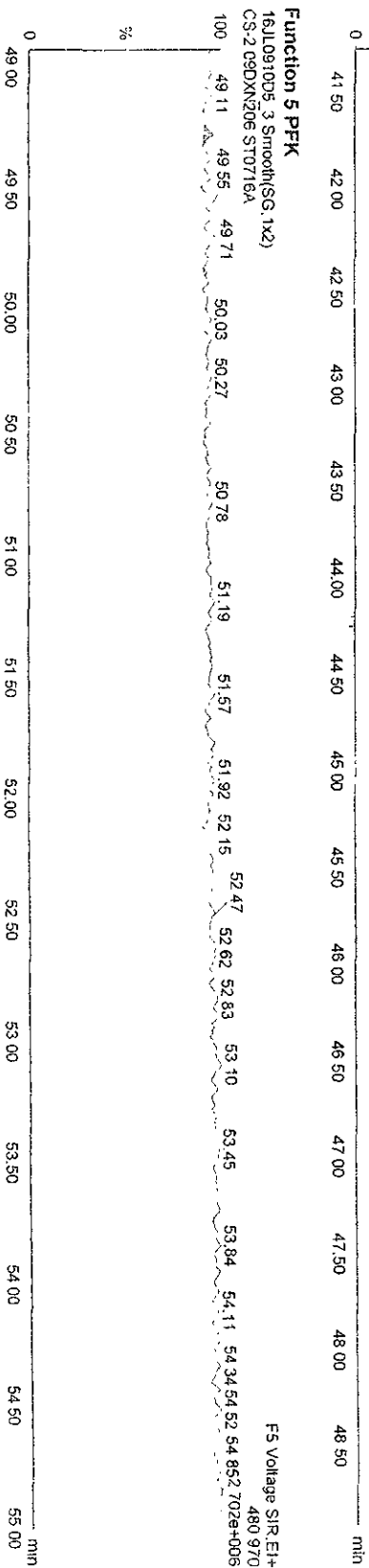
Function 4 PFK

16JL0910D5\_3 Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A



Function 5 PFK

16JL0910D5\_3 Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A

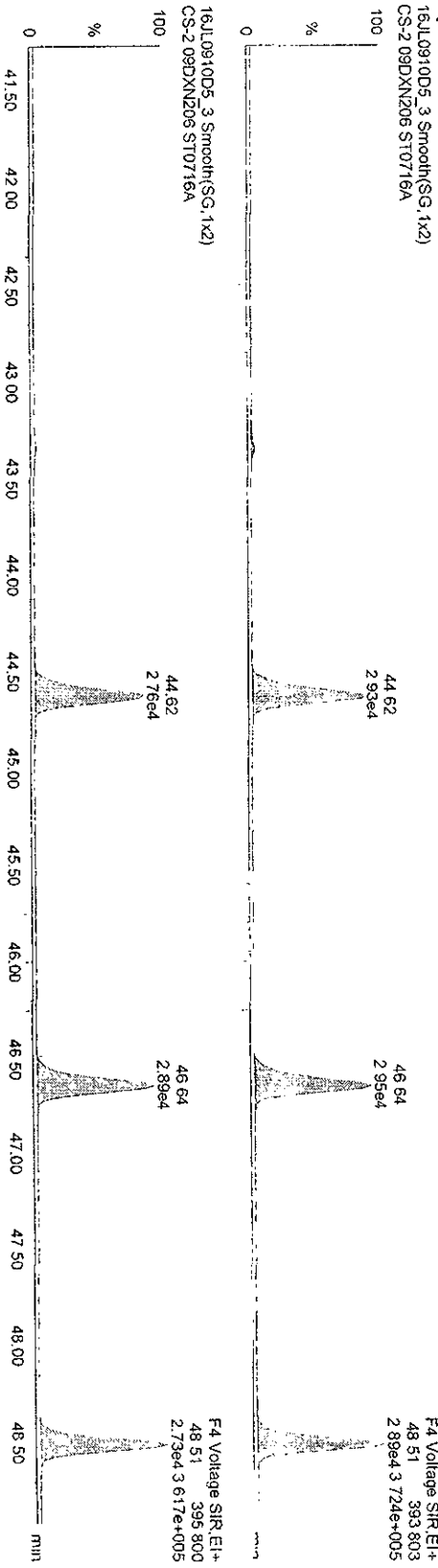


Dataset: C:\MassLynx\Default\proj\CA0716200910D51668M.qld

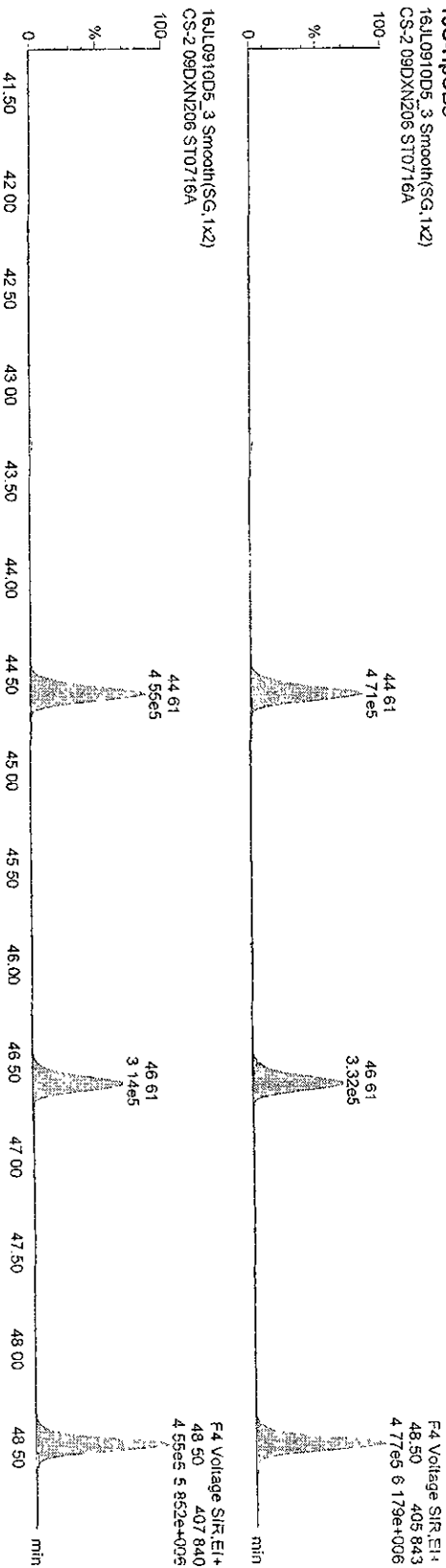
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

HPCBs



13C-HPCBs



Dataset C:\MassLynx\Default\pro\CA0716200910D51668M.qld

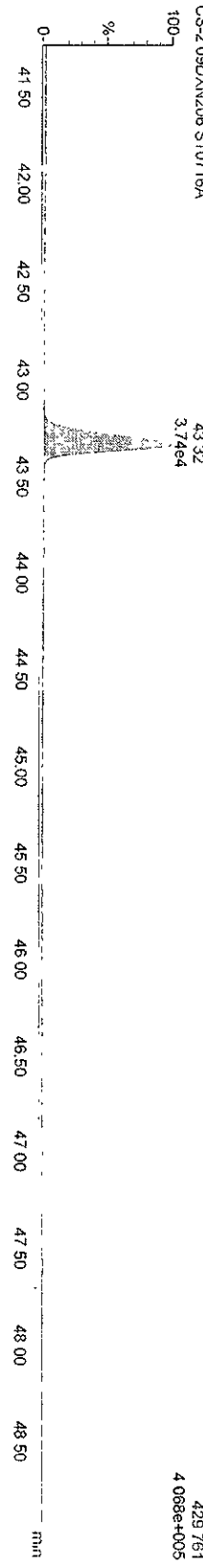
Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

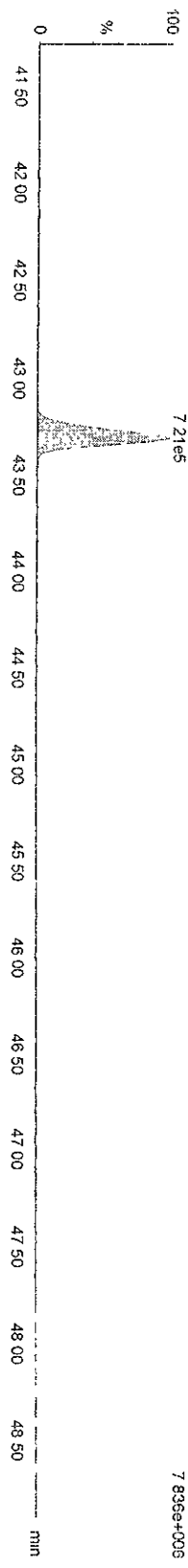
OCCBS



13C-OCCBS



16JL0910D5\_3 Smooth(SG, 1x2)



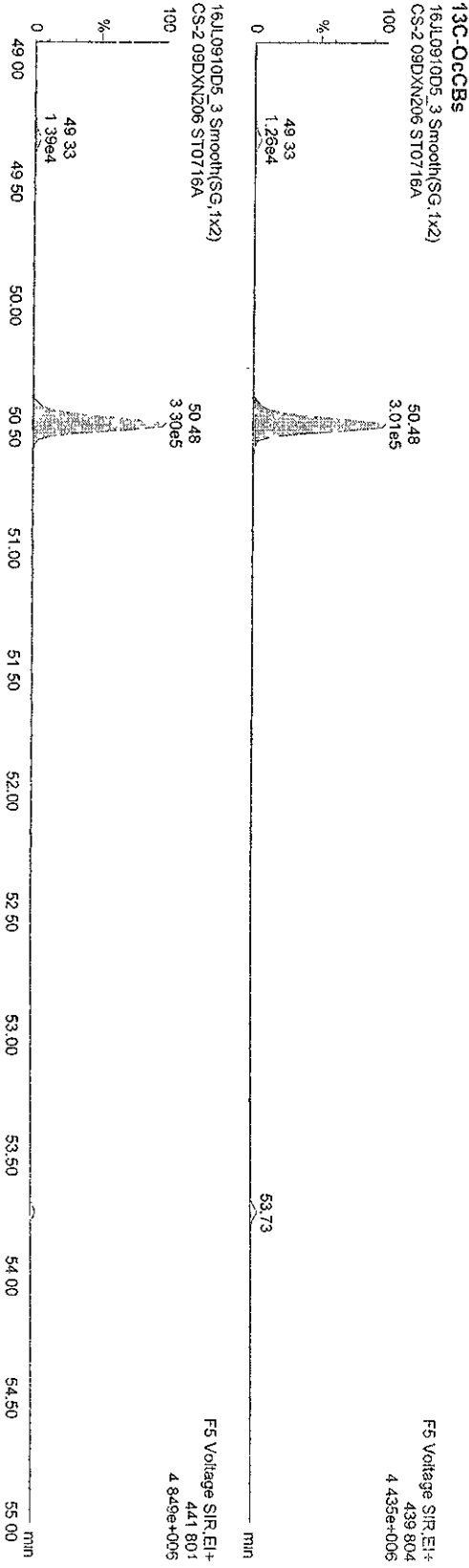
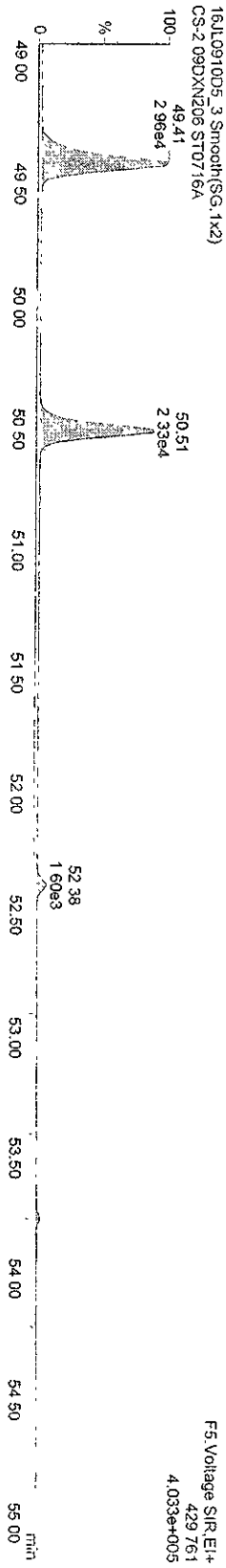
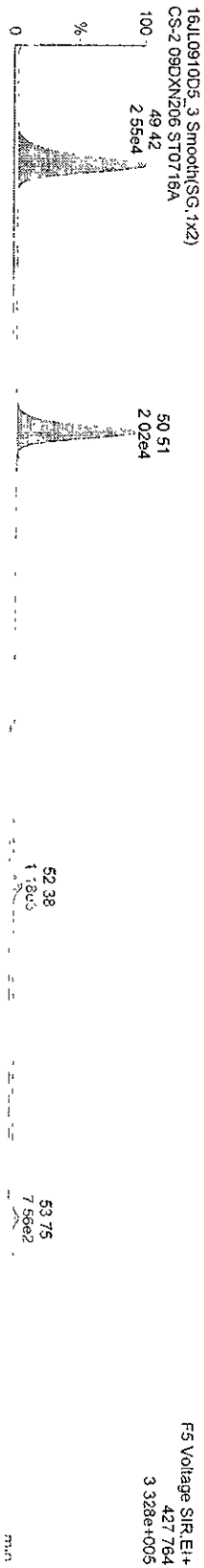
Dataset: C:\MassLynx\Default\prol\CA07162\0910D51668M.qtd

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

OCCBs



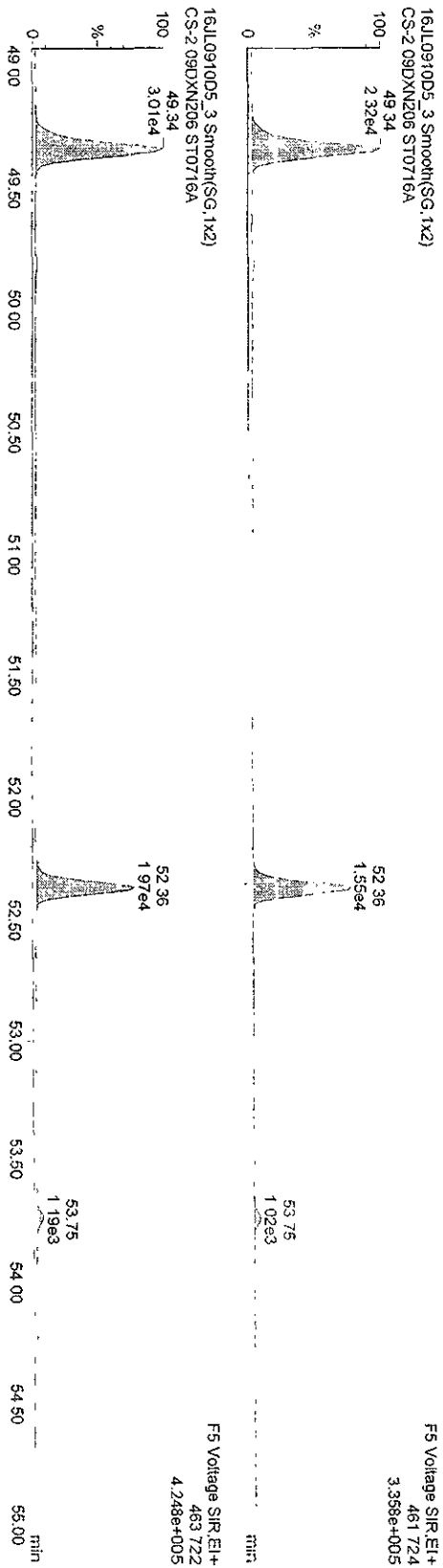


Dataset C:\MassLynx\Default\prol\CA0716200910D51668M.qld

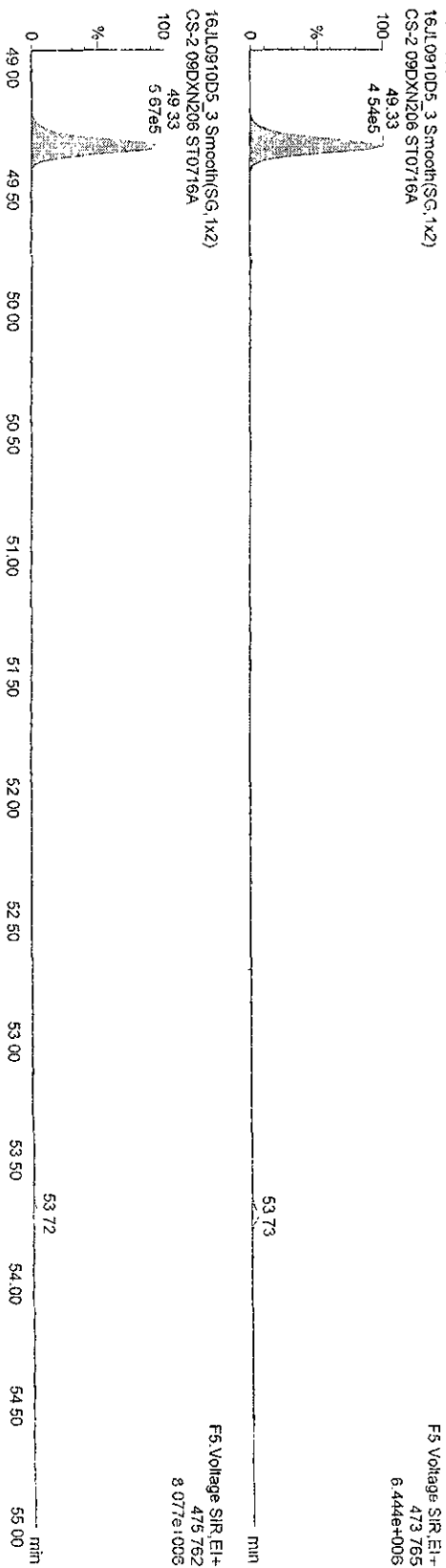
Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_3 Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

NoCBs



13C-NoCBs



Dataset C:\MassLynx\Default\proj\CA0716200910D51668M.qid

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

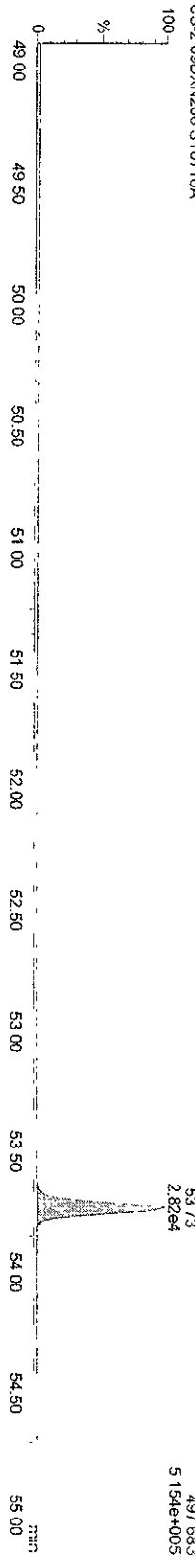
Name: 16Jul0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

DecB-209

16Jul0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A

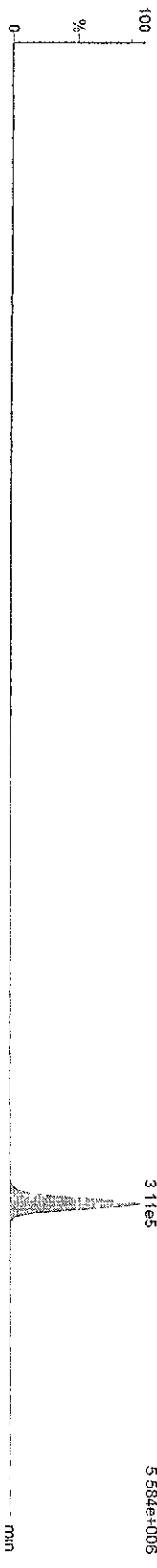


16Jul0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A

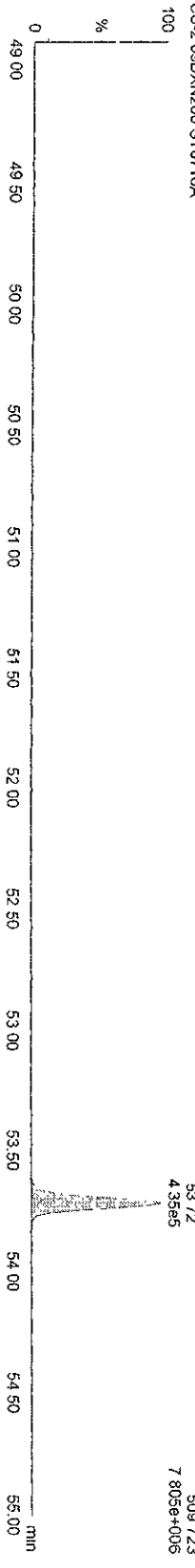


13C-DecB-209

16Jul0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A



16Jul0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A



Quantity Sample Report

MassLynx 4.1

Dataset C:\MassLynx\Default\proll\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

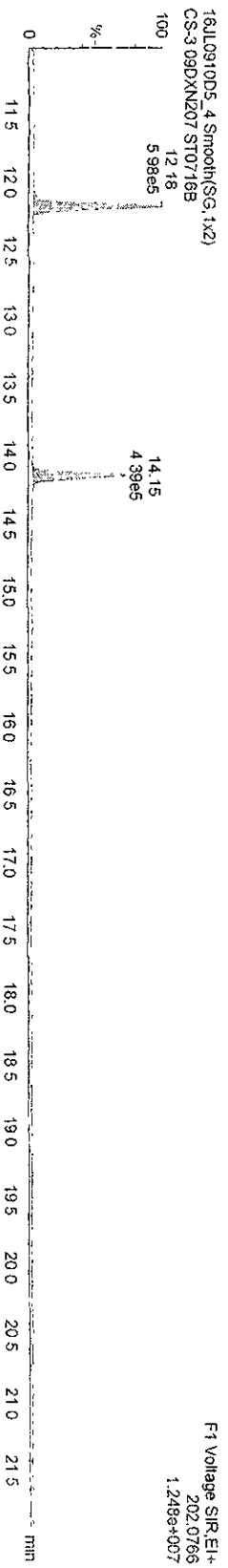
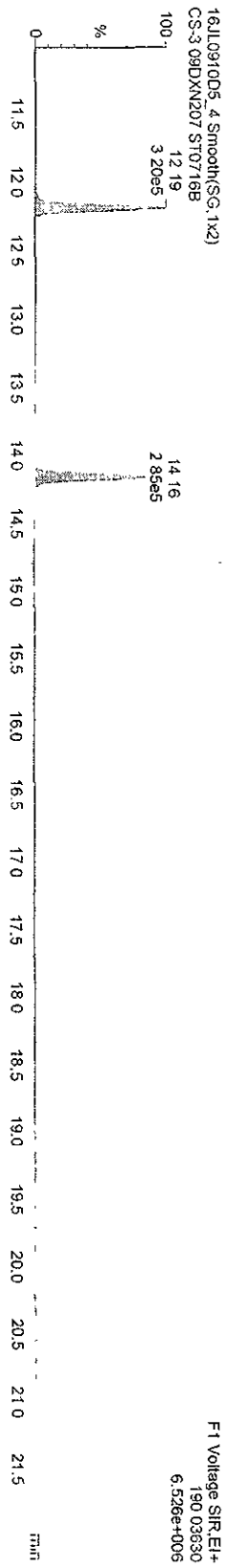
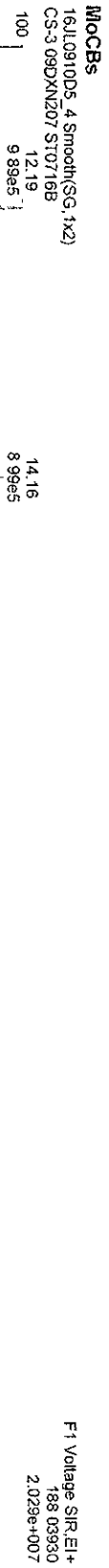
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

Dataset C:\MassLynx\Default\proj\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

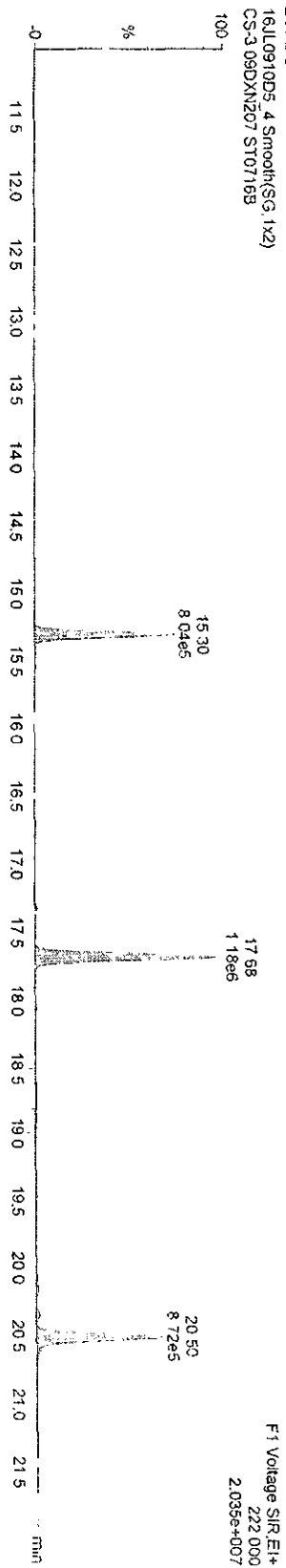


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

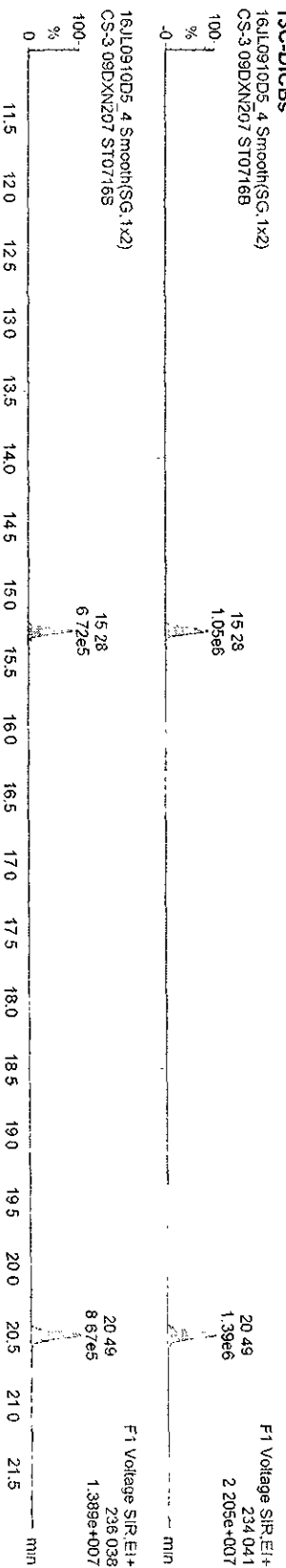
Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

DICBs  
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



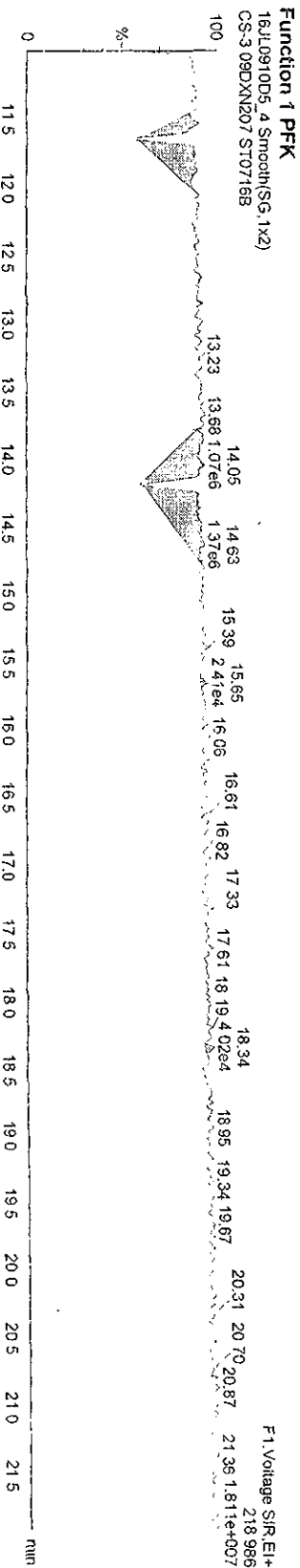
F1 Voltage SIR.EI+  
222.000  
2.035e+007

13C-DICBs  
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



F1 Voltage SIR.EI+  
234.041  
2.205e+007

Function 1 PFK  
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



F1 Voltage SIR.EI+  
218.966  
2.189e+007

Dataset C:\MassLynx\Default\prof\CA0716200910D51668M.qld

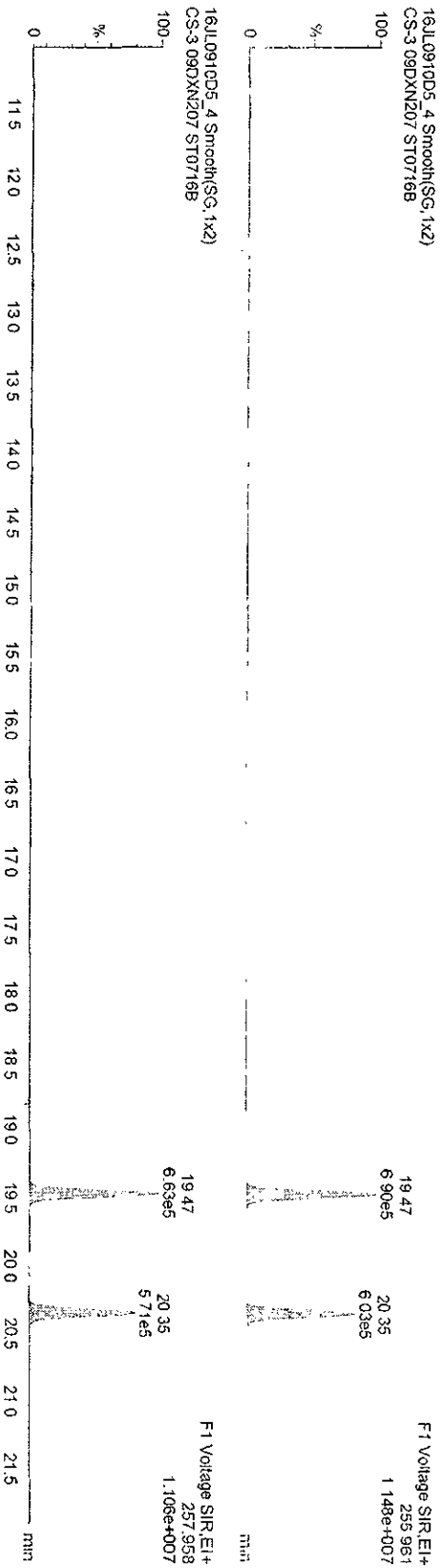
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

TRCBs

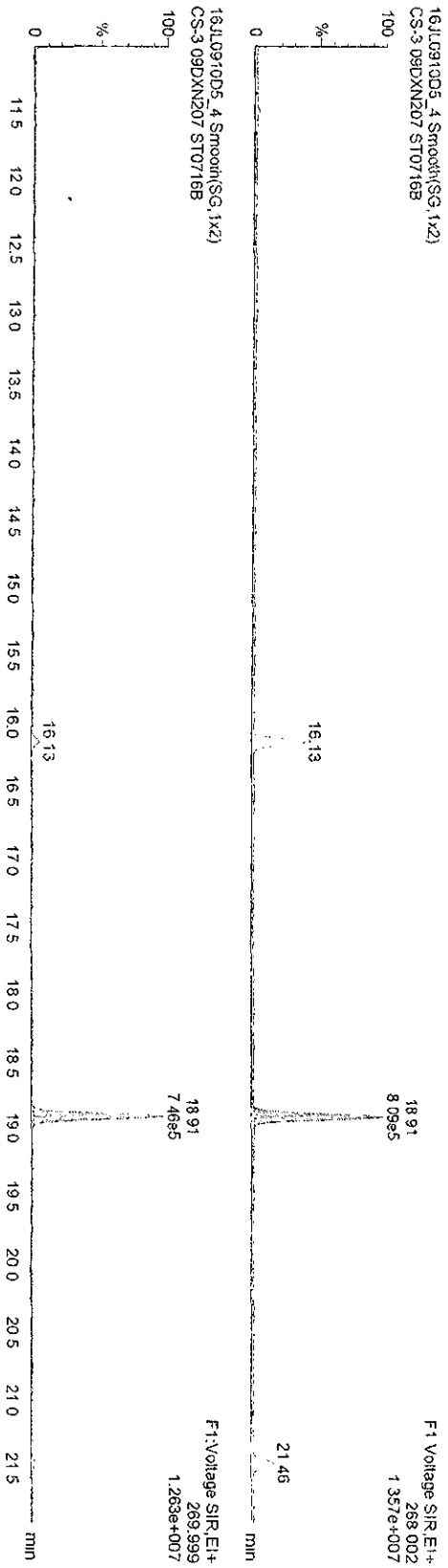
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



F1 Voltage SIR.EI+  
255.961  
1.148e+007

13C-TRCBs

16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



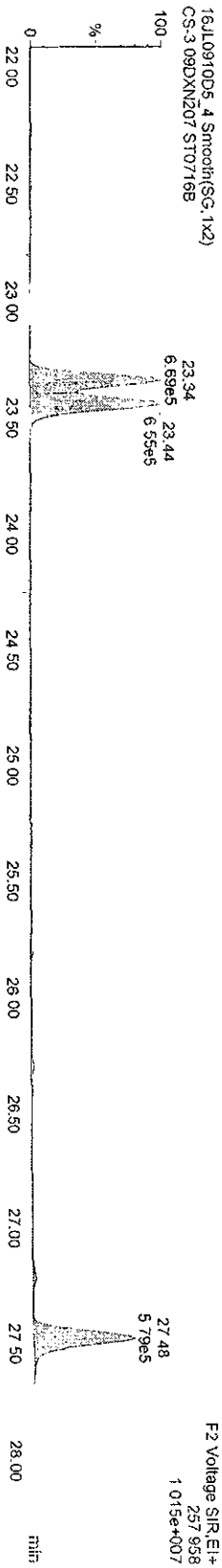
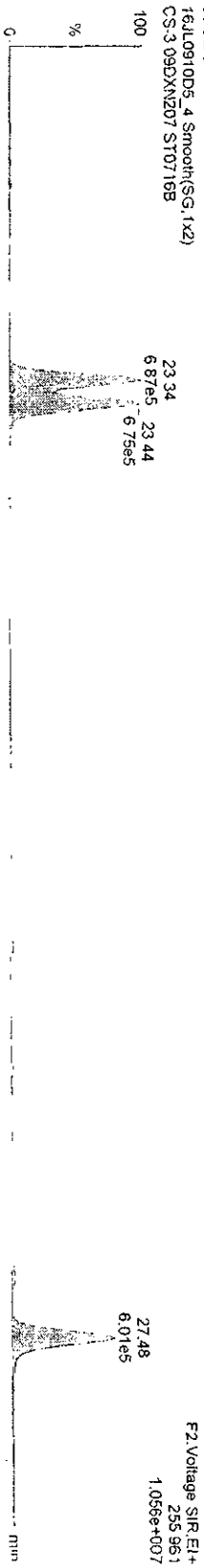
F1 Voltage SIR.EI+  
269.999  
1.263e+007

Dataset C:\MassLynx\Default\proj\CA0716200910D51668M.qld

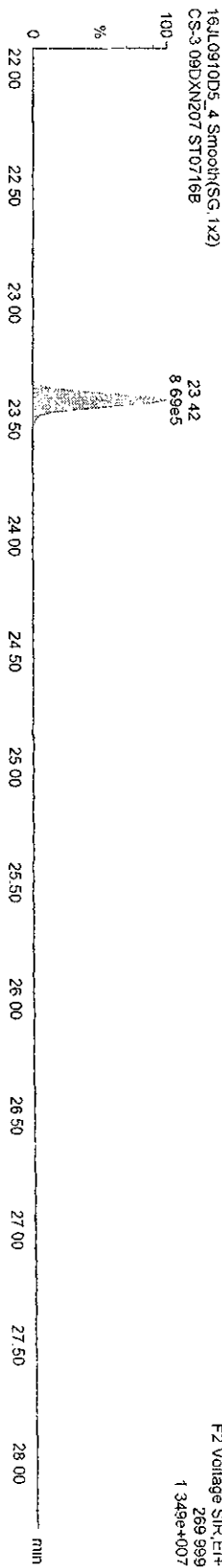
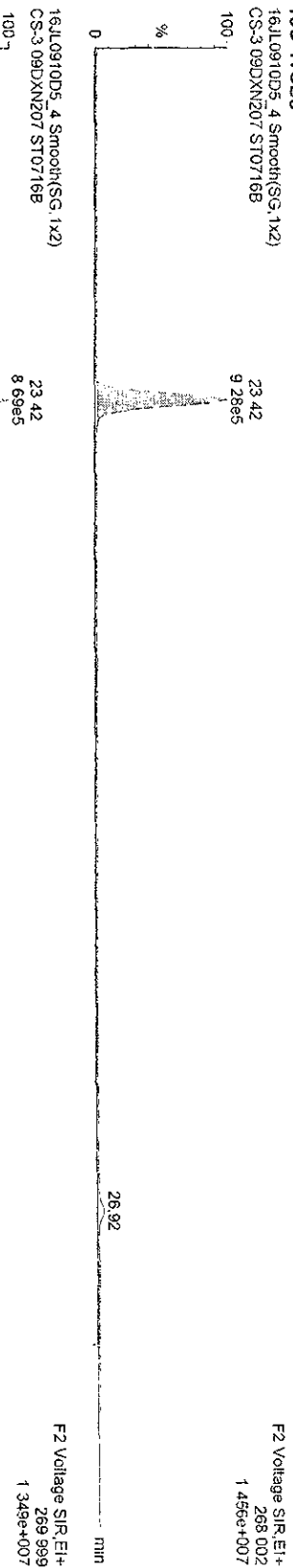
Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

TICBs



13C-TICBs

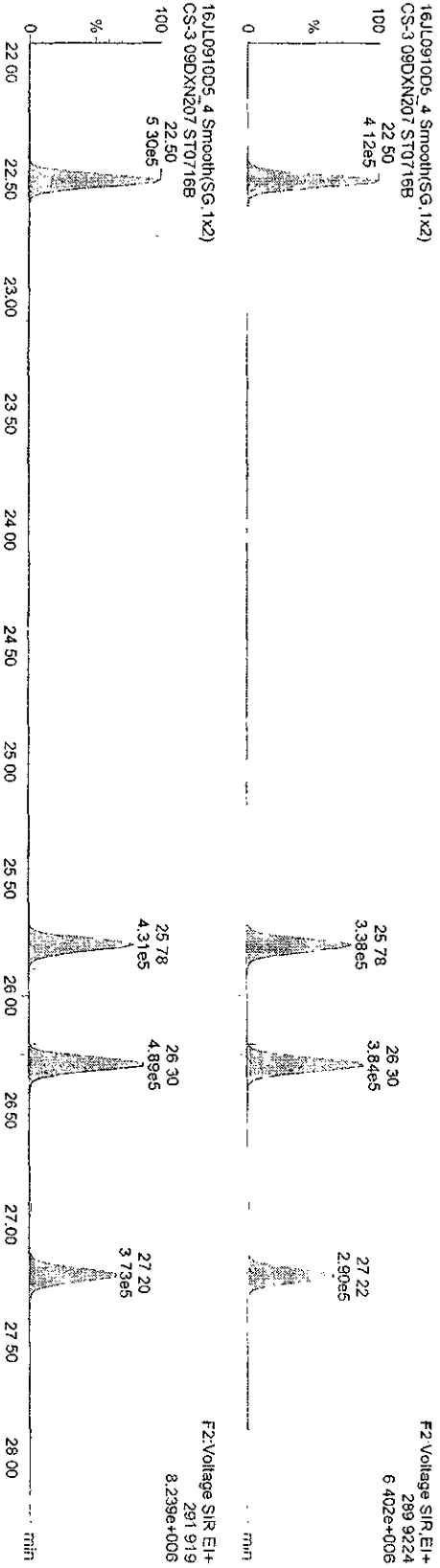


Dataset: C:\MassLynx\Default\prof\CA0716200910D51668M.qld

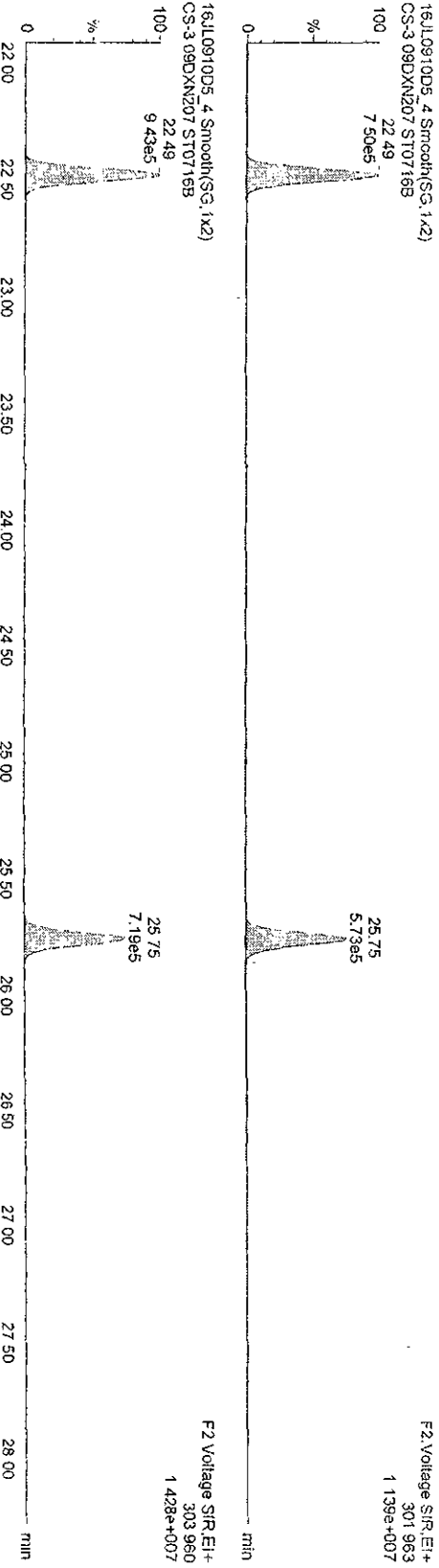
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

**TcCBs**



**13C-TcCBs**





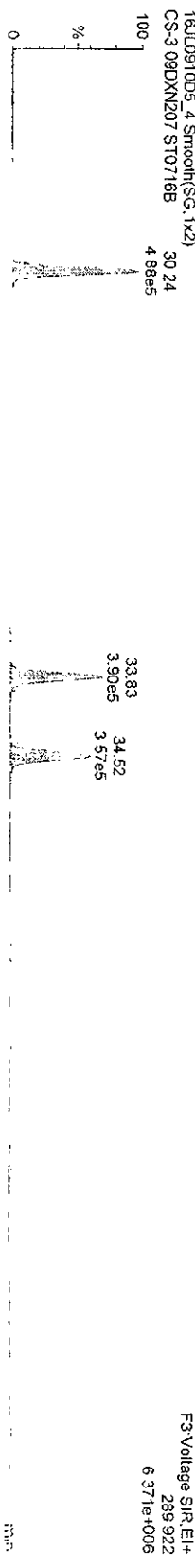
Dataset: C:\Masslynx\Default\proj\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

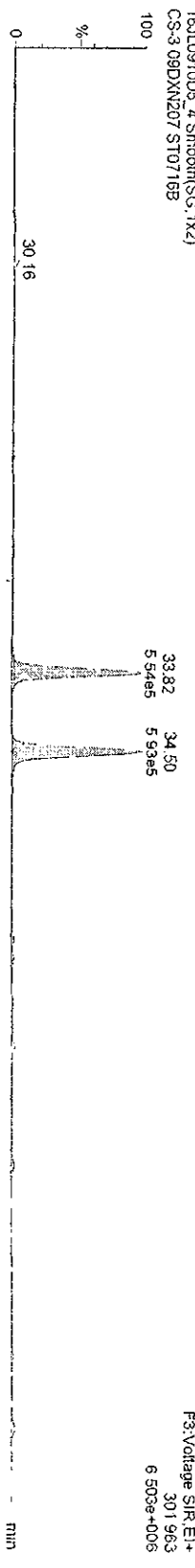
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

TeCBs



13C-TeCBs



16JL0910D5\_4



Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

**PeCBs**

16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



**Function 2 PFK**

16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



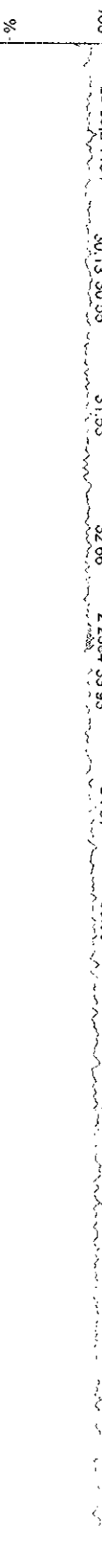
**Function 3 PFK**

16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



**Function 3 PFK**

16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



**Function 3 PFK**

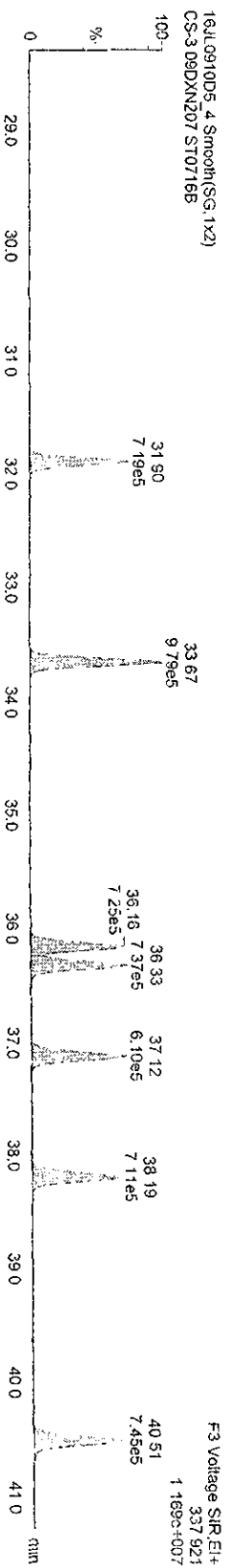
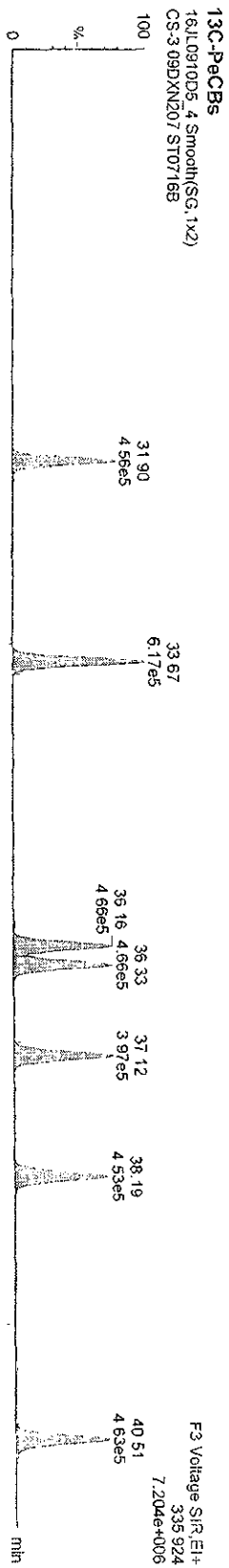
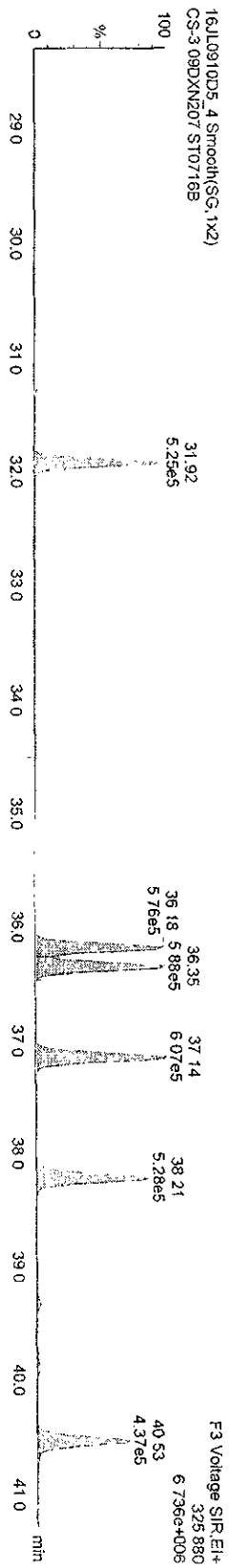
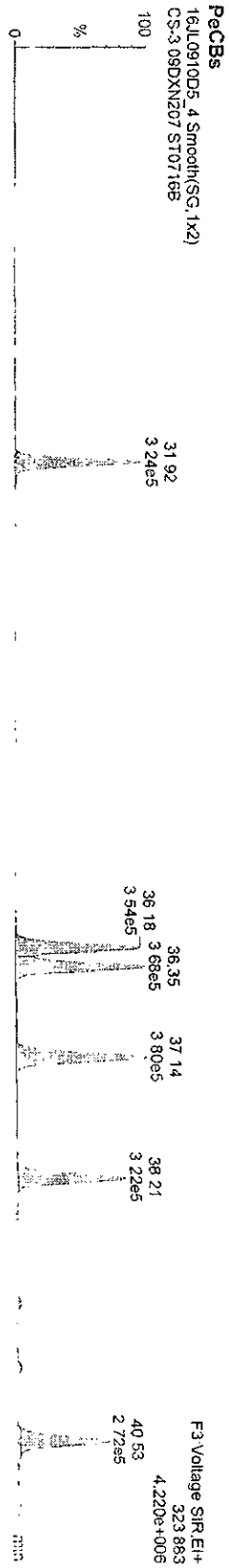
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



Dataset C:\MassLynx\Default\proj\CA07162\00910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

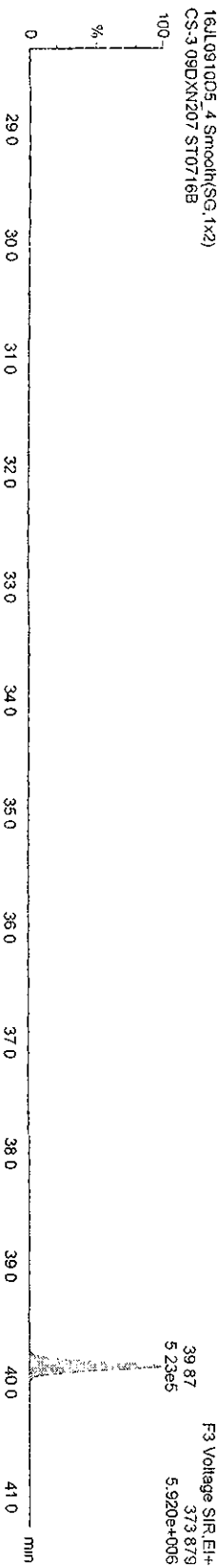
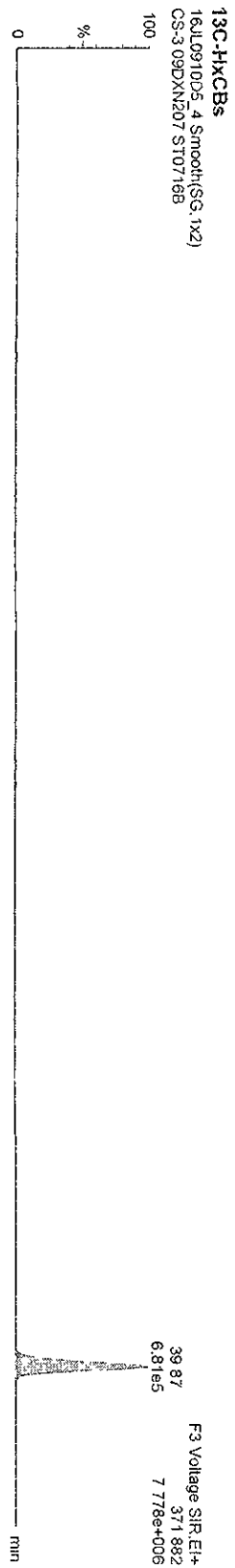
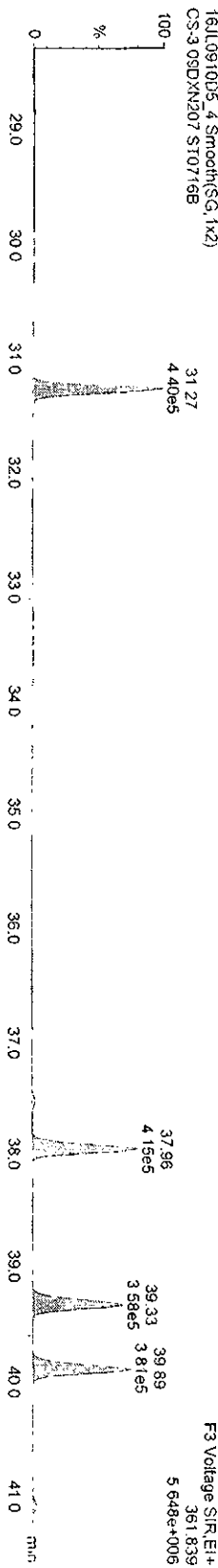


Dataset: C:\MassLynx\Default\proj\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

HxCBs

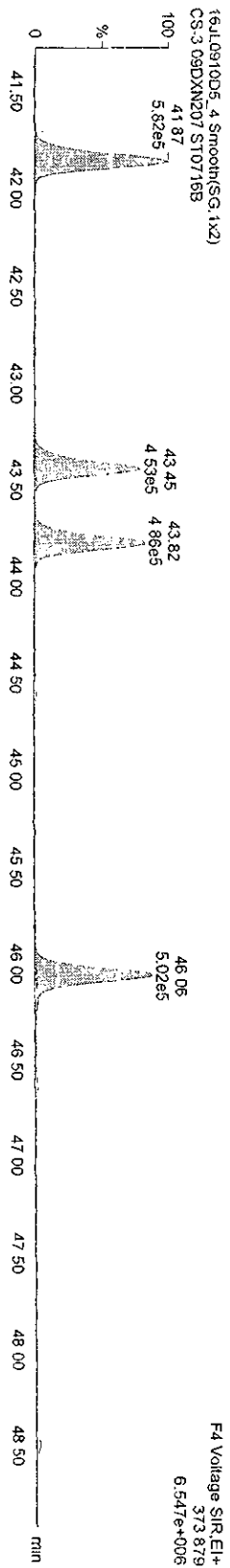
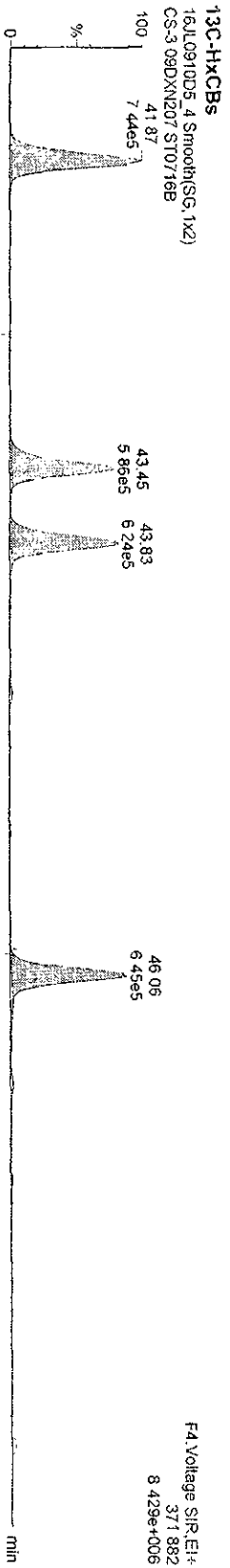
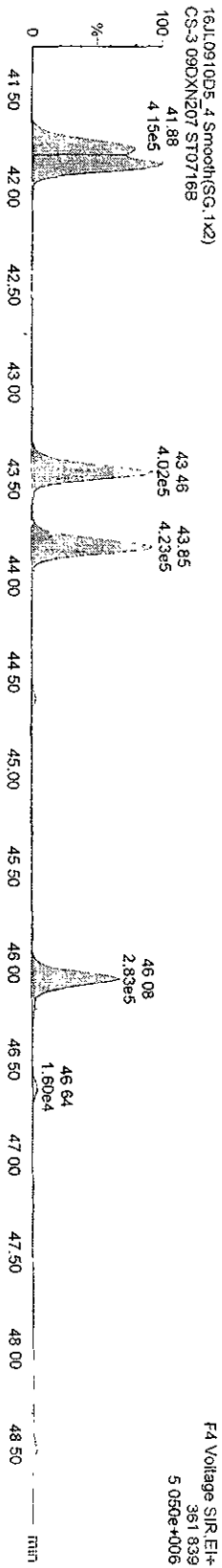


Dataset C:\MassLynx\Default\proj\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST07166, Description: CS-3-09DXN207

HxCBs

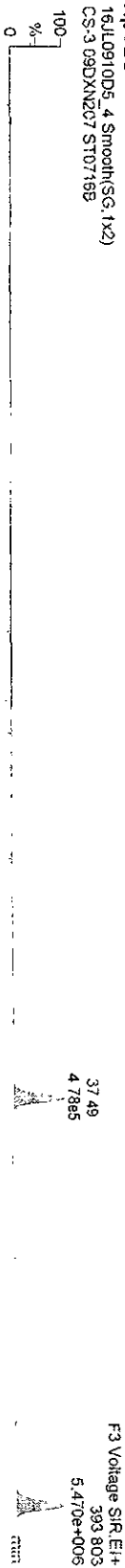


Dataset C:\MassLynx\Default\prof\CA0716200910D51668M.qld

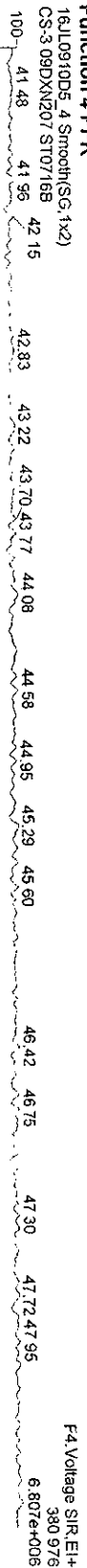
Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

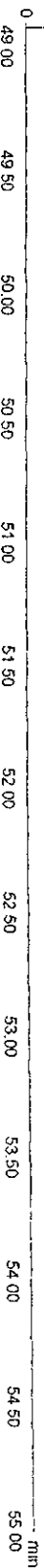
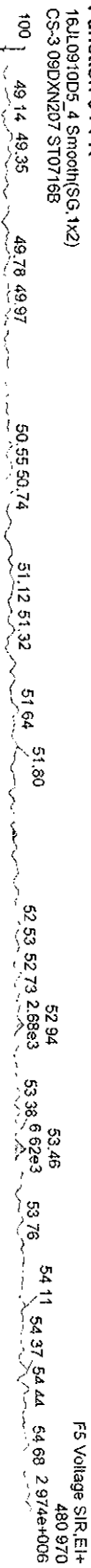
HPCBs



Function 4 PFK



Function 5 PFK

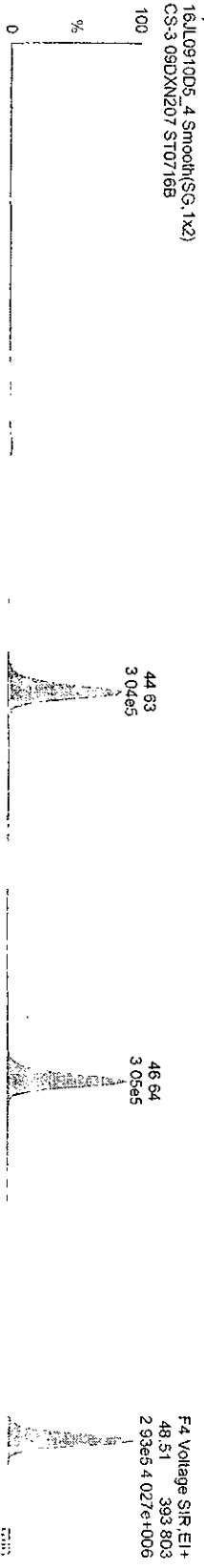


Dataset: C:\MassLynx\Default\pro1\CA0716200910D51668M.qld

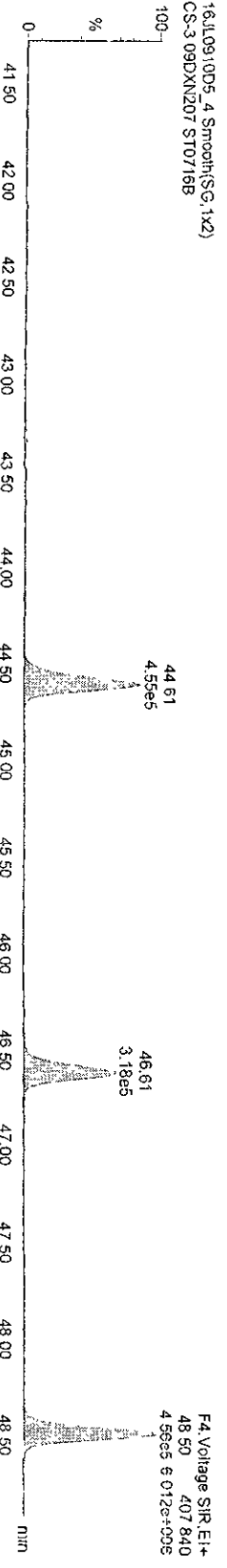
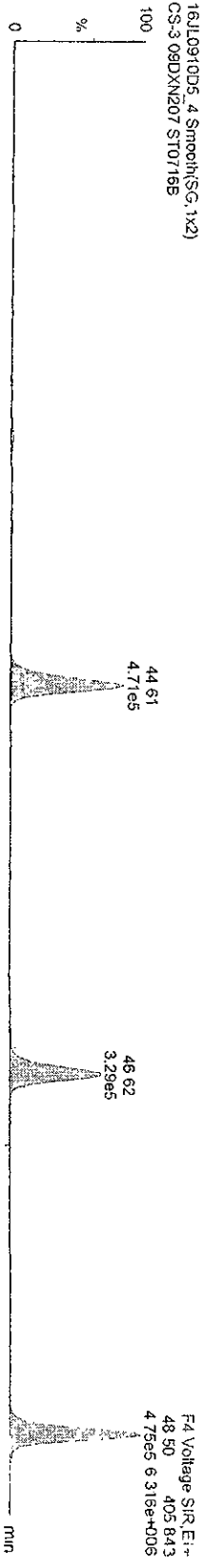
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

**HPCBS**



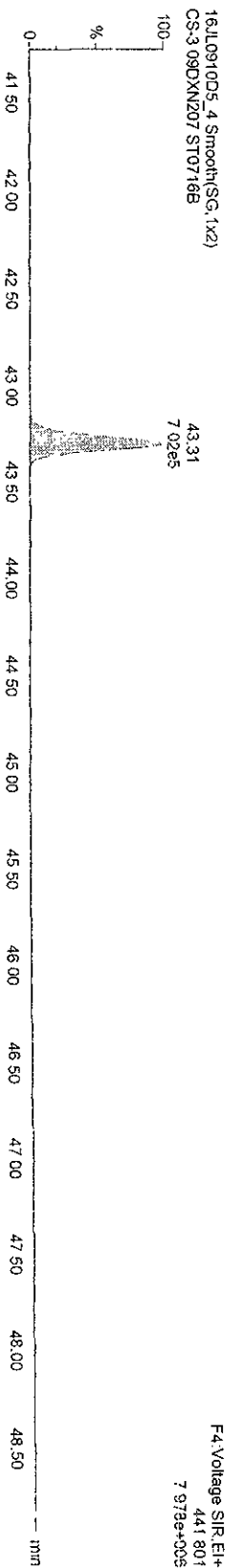
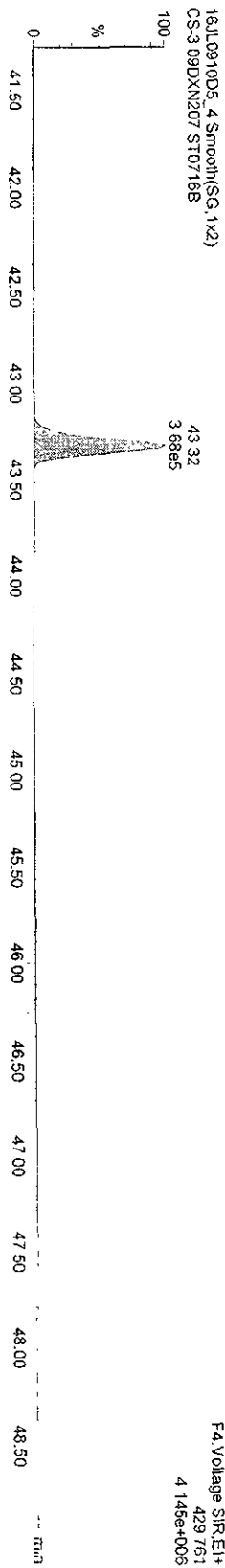
**13C-HP CBS**



Dataset C:\MassLynx\Default\prol\CA07162\00910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207



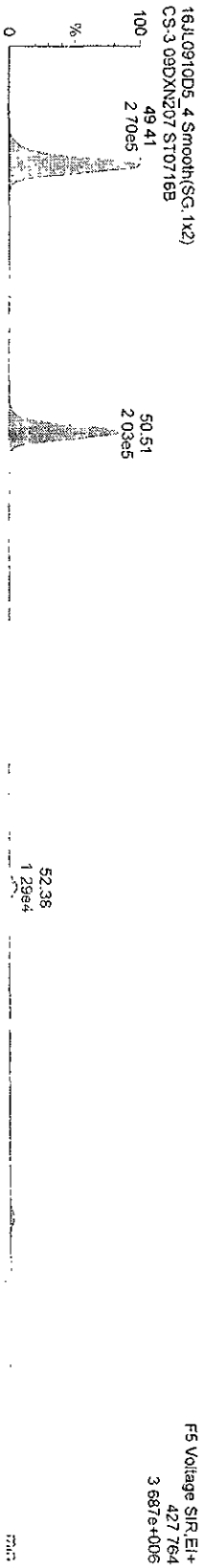


Dataset C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

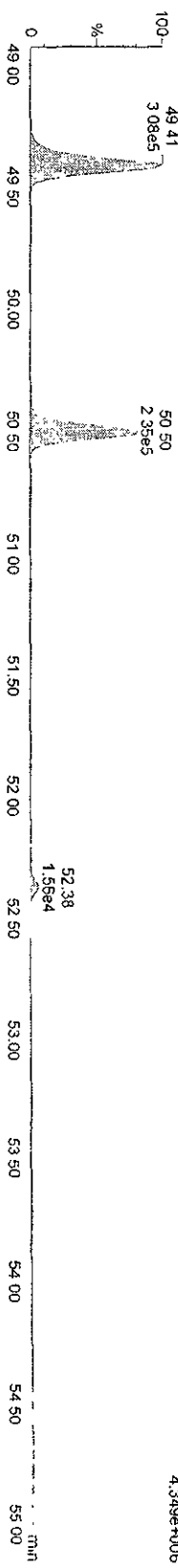
OCCBS



16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B

F5 Voltage SIR\_EI+  
427.764  
3.687e+006

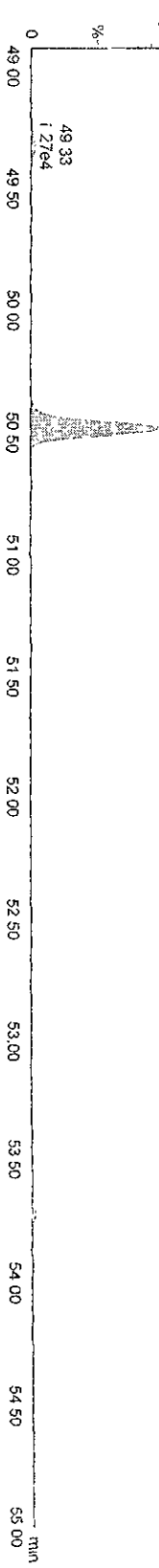
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



13C-OCCBS  
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B

F5 Voltage SIR\_EI+  
429.761  
4.349e+006

16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



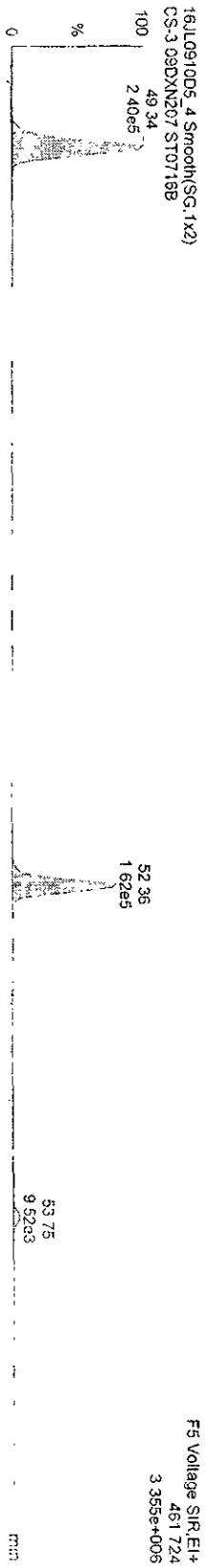
F5 Voltage SIR\_EI+  
441.801  
5.013e+006

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

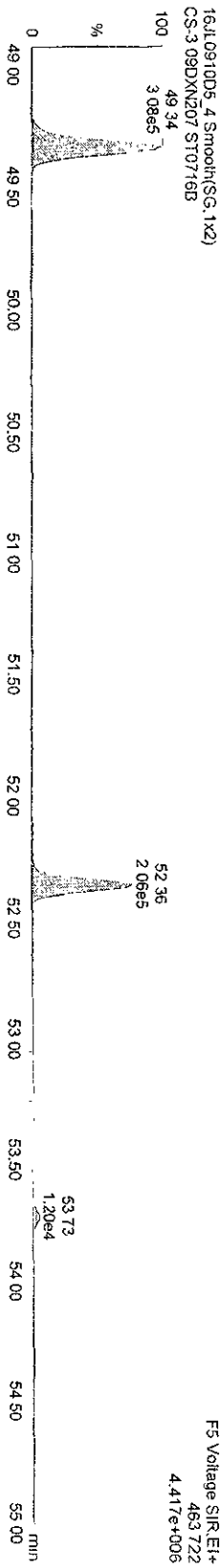
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NoCBs



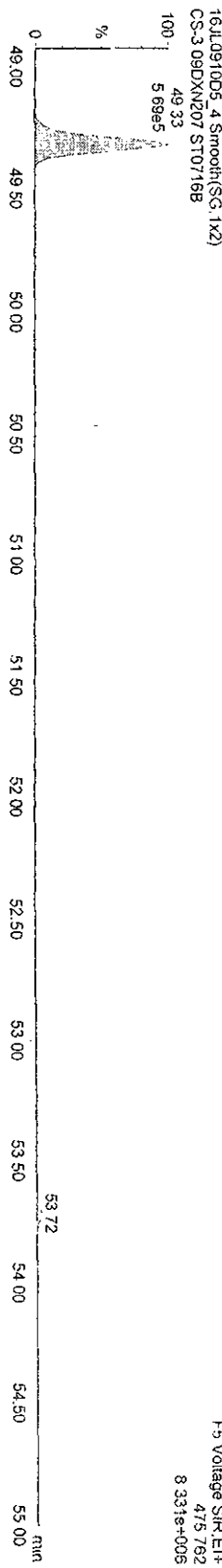
16JUL0910D5\_4.Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B

F5 Voltage SIR.EI+  
461.724  
3.355e+006



13C-NoCBs  
16JUL0910D5\_4.Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B

F5 Voltage SIR.EI+  
473.765  
6.650e+006



16JUL0910D5\_4.Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B

F5 Voltage SIR.EI+  
475.782  
8.331e+005

Dataset: C:\Masslynx\Default\proj\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

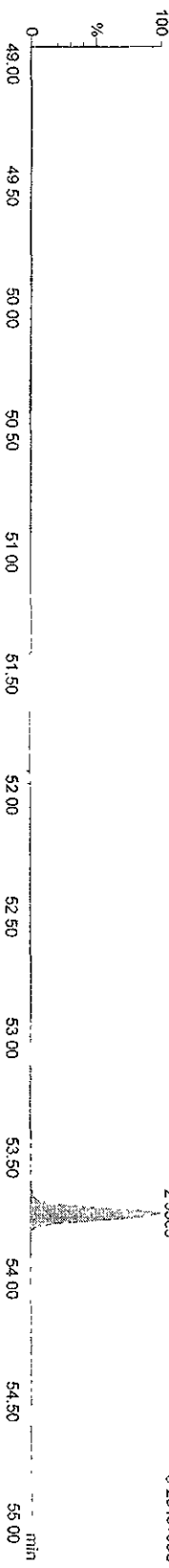
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DecB-209

16JL0910D5\_4.Smooth(SG,1x2)  
CS-3-09DXN207.ST0716B



16JL0910D5\_4.Smooth(SG,1x2)  
CS-3-09DXN207.ST0716B

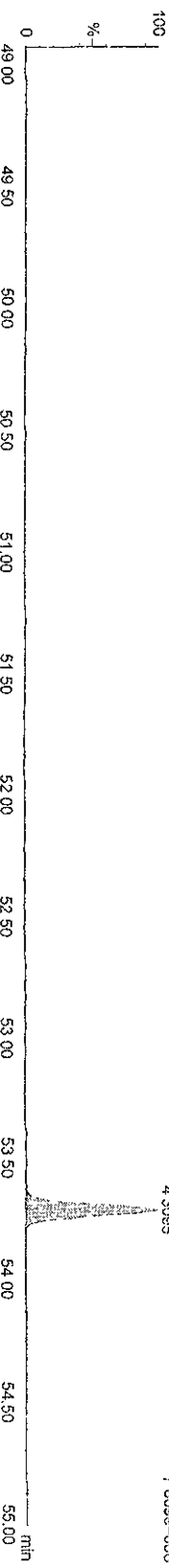


13C-DecB-209

16JL0910D5\_4.Smooth(SG,1x2)  
CS-3-09DXN207.ST0716B



16JL0910D5\_4.Smooth(SG,1x2)  
CS-3-09DXN207.ST0716B



Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M.qld

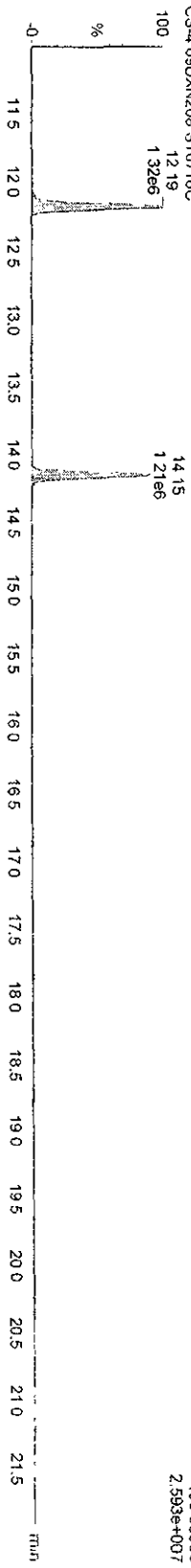
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

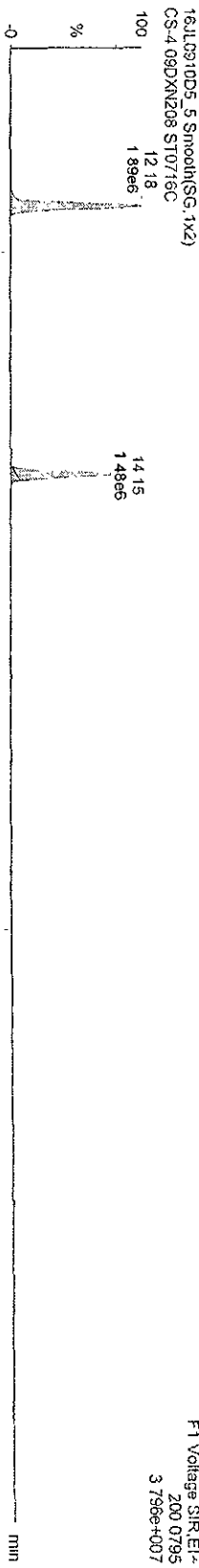
MOCBS



16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



13C-MOCBS



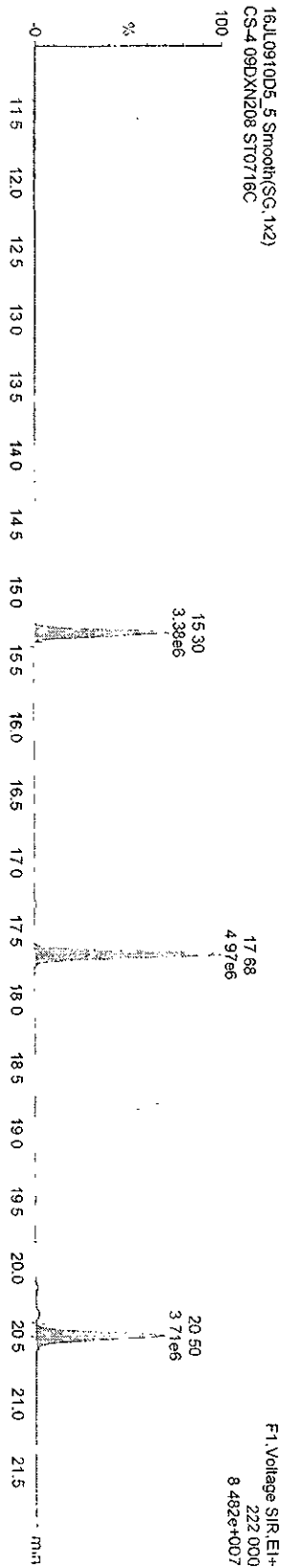
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



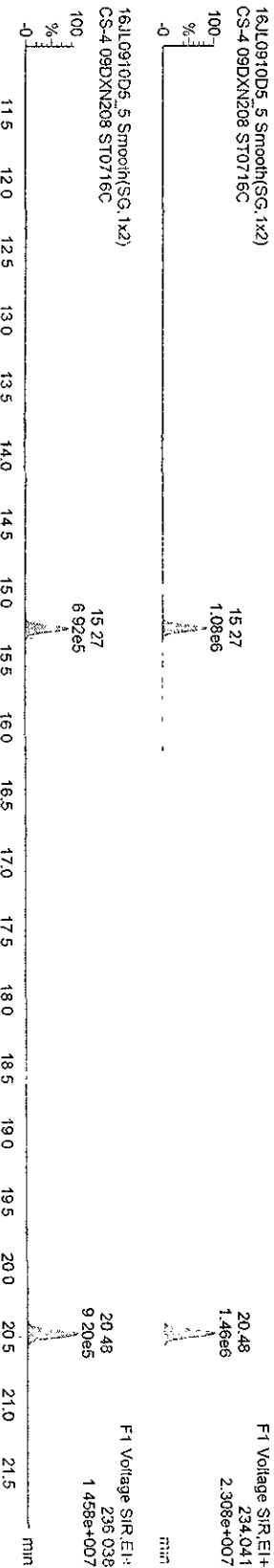
Dataset C:\Masslynx\Default\prot\CA0716200910D51668M.qld  
 Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4-09DXN208

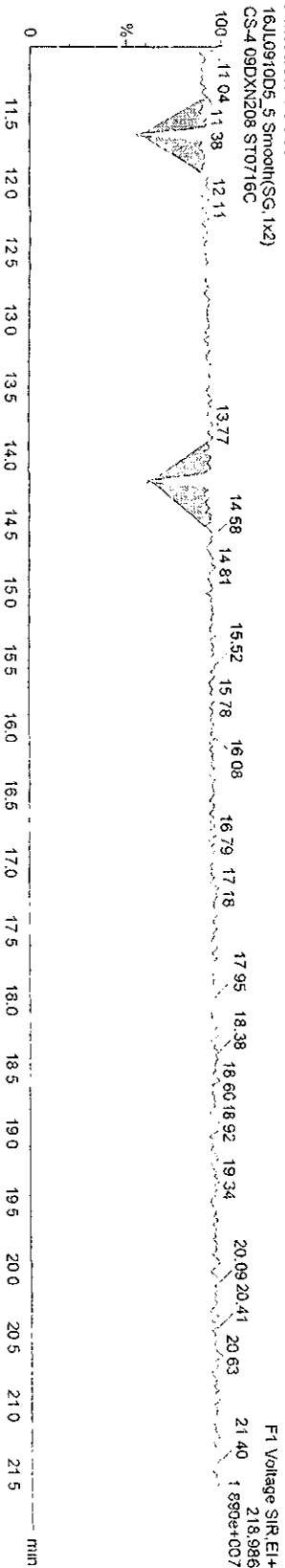
DICBS



13C-DICBS



Function 1 PFK



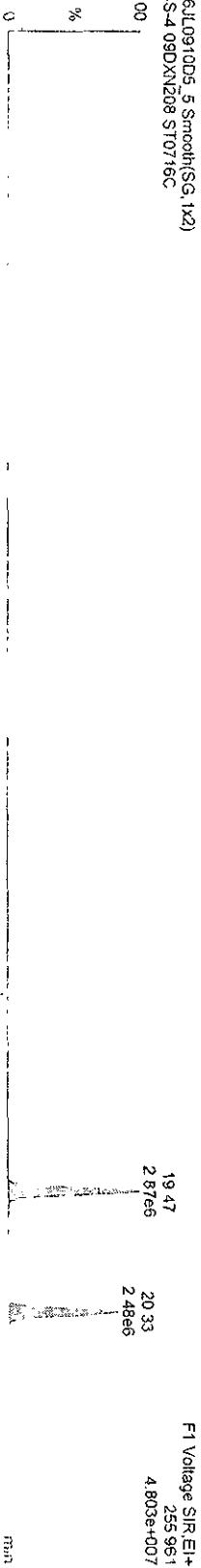
Dataset: C:\Masslynx\Default\prol\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

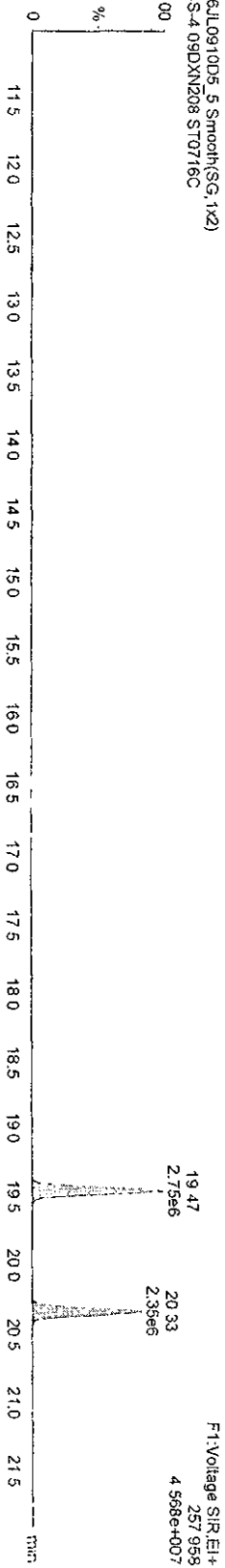
Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4-09DXN208

TICBs

16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4-09DXN208 ST0716C

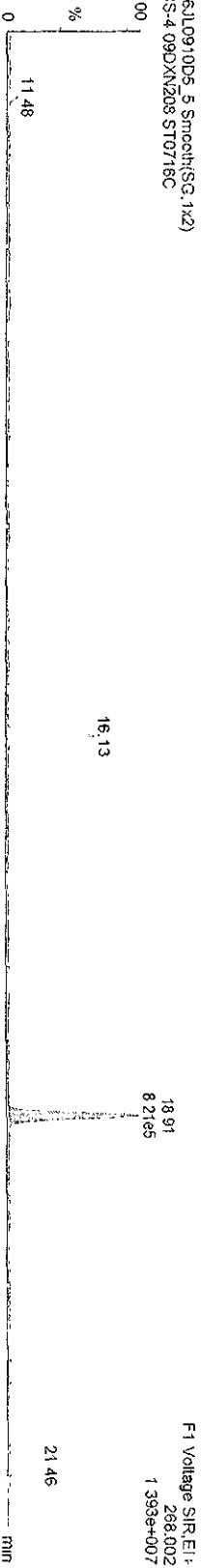


16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4-09DXN208 ST0716C

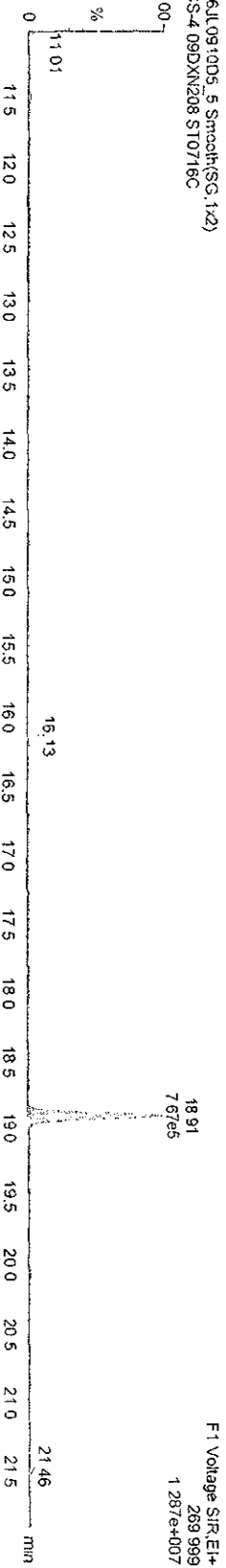


<sup>13</sup>C-TICBs

16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4-09DXN208 ST0716C



16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4-09DXN208 ST0716C

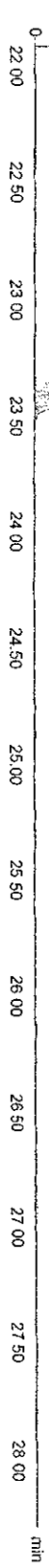


Dataset C:\MassLynx\Default\prol\CA0716200910D51668M.d\

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16.LJL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

TRCBs

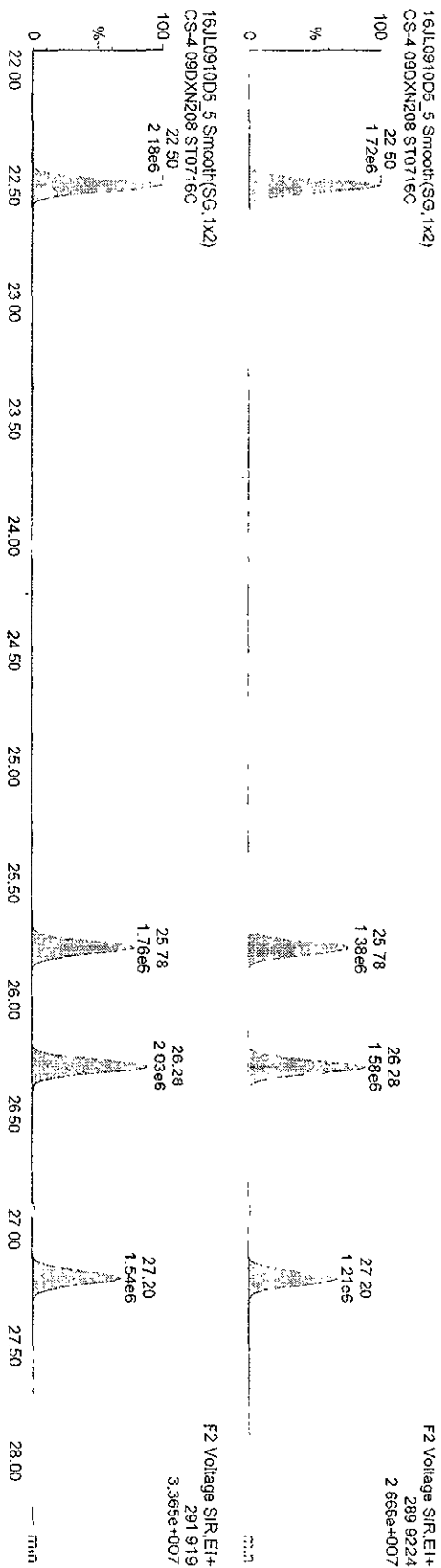


Dataset C:\Masslynx\Default\pro1\CA0716200910D51668M.qtd

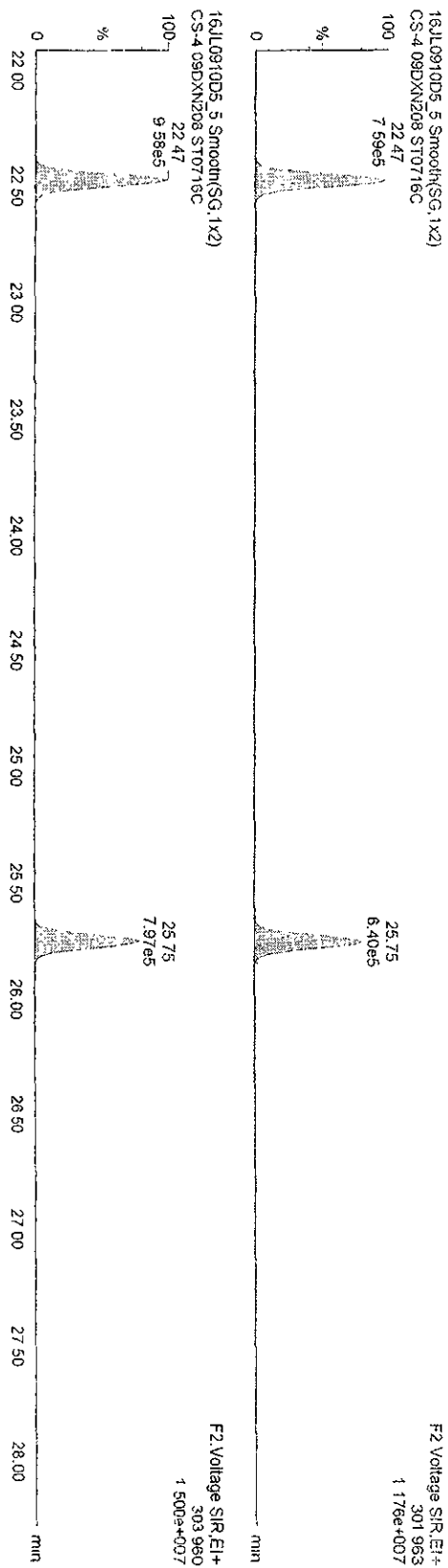
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

TeCBs



13C-TeCBs



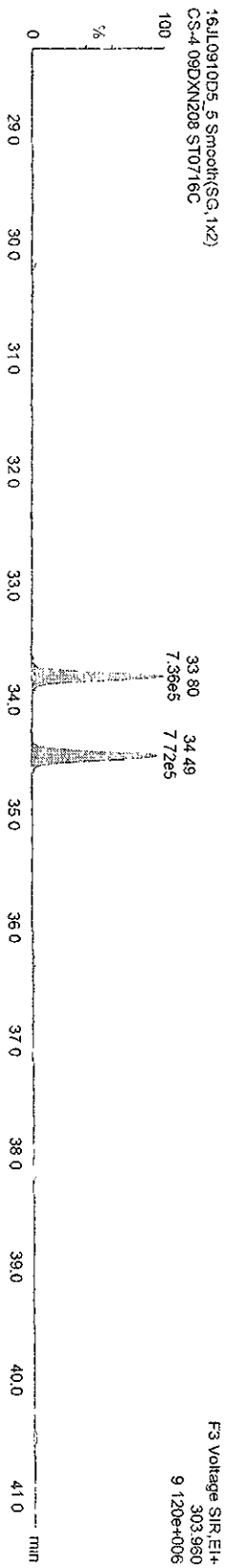
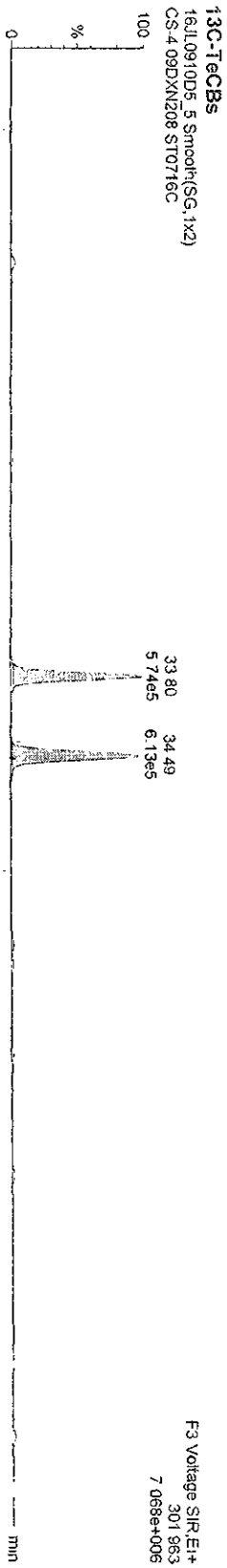
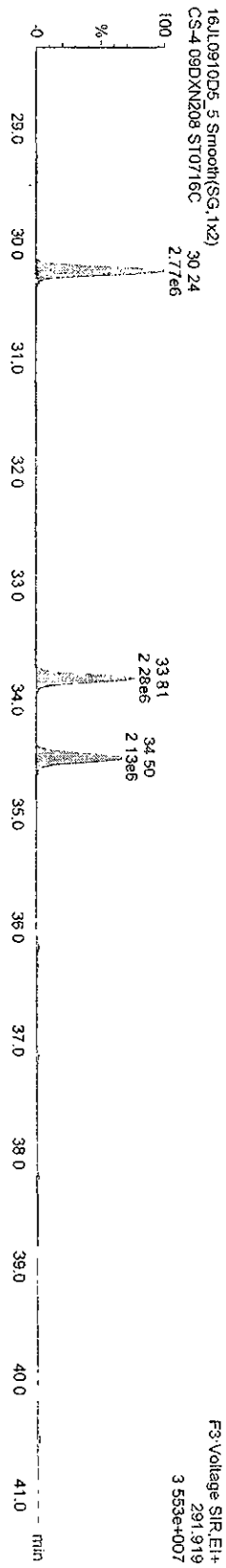
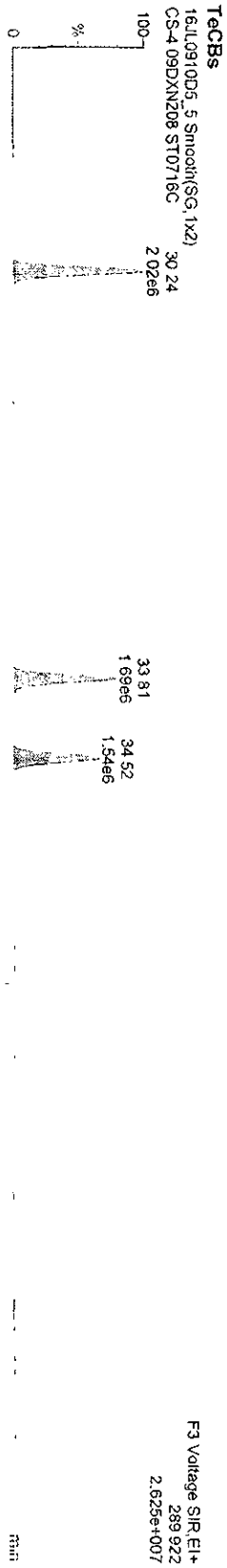


Dataset: C:\Masslynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208



Dataset C:\MassLynx\Default\pro\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

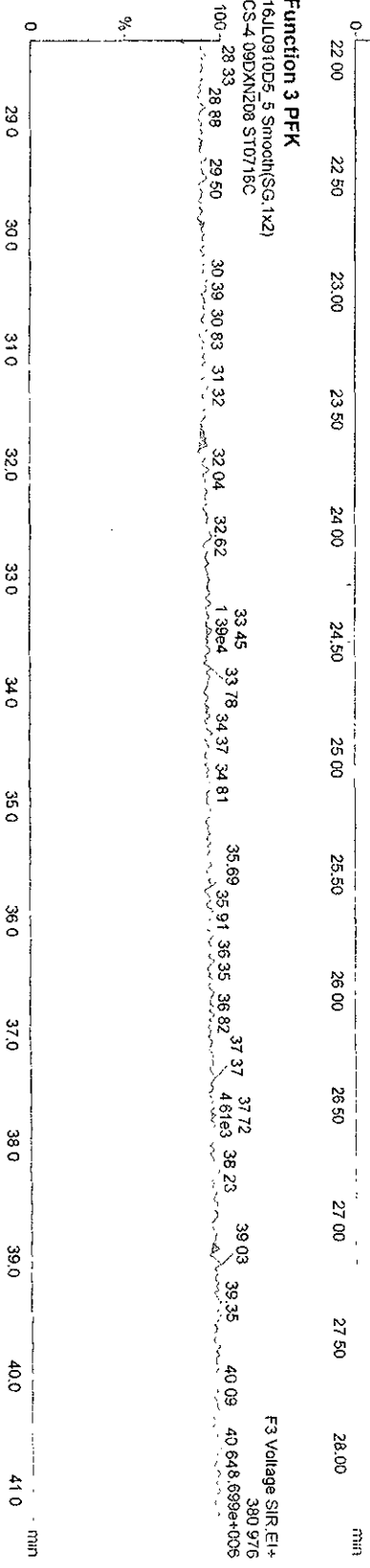
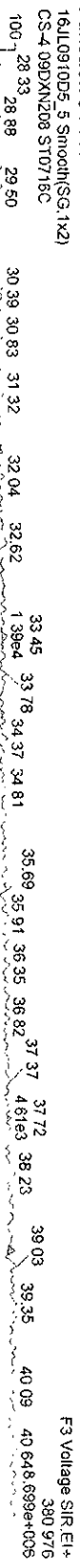
PeCBs



Function 2 PFK



Function 3 PFK



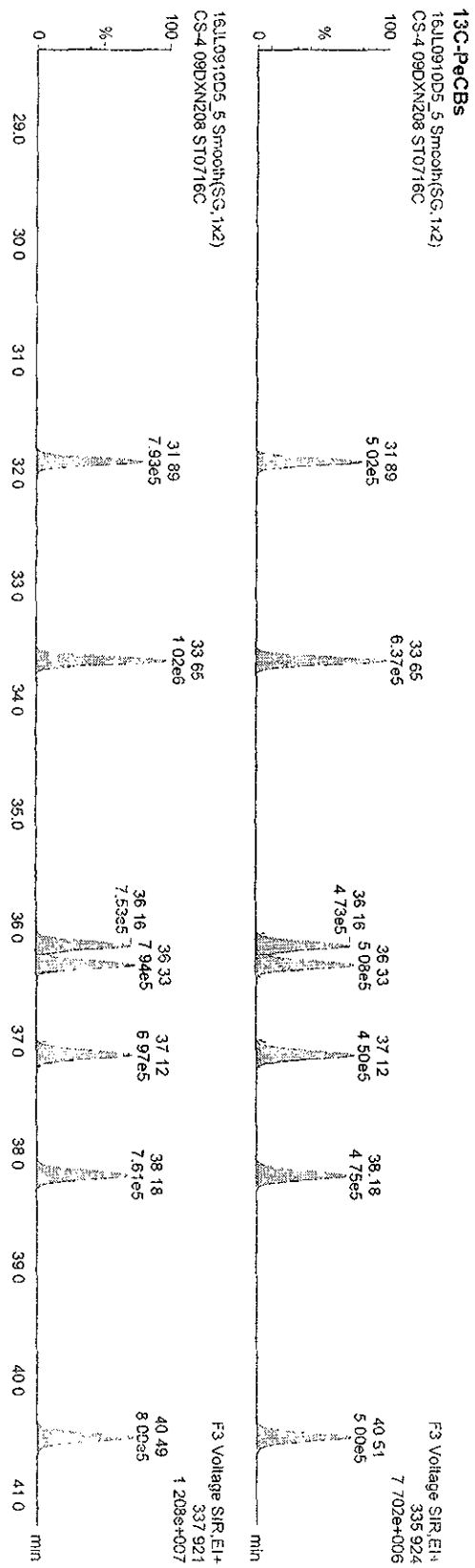
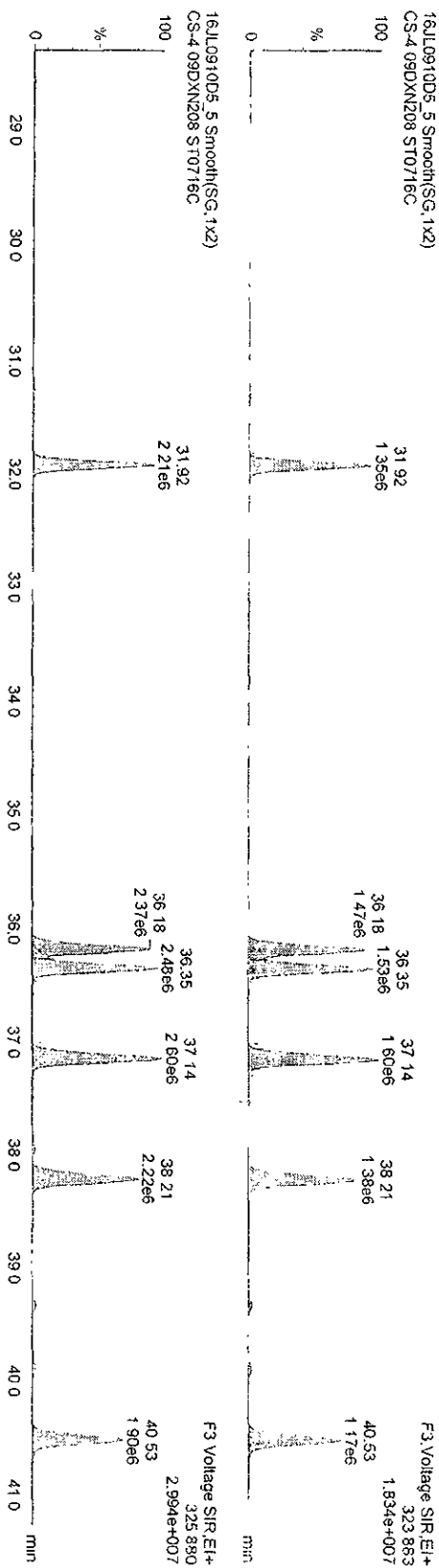
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

PeCBs



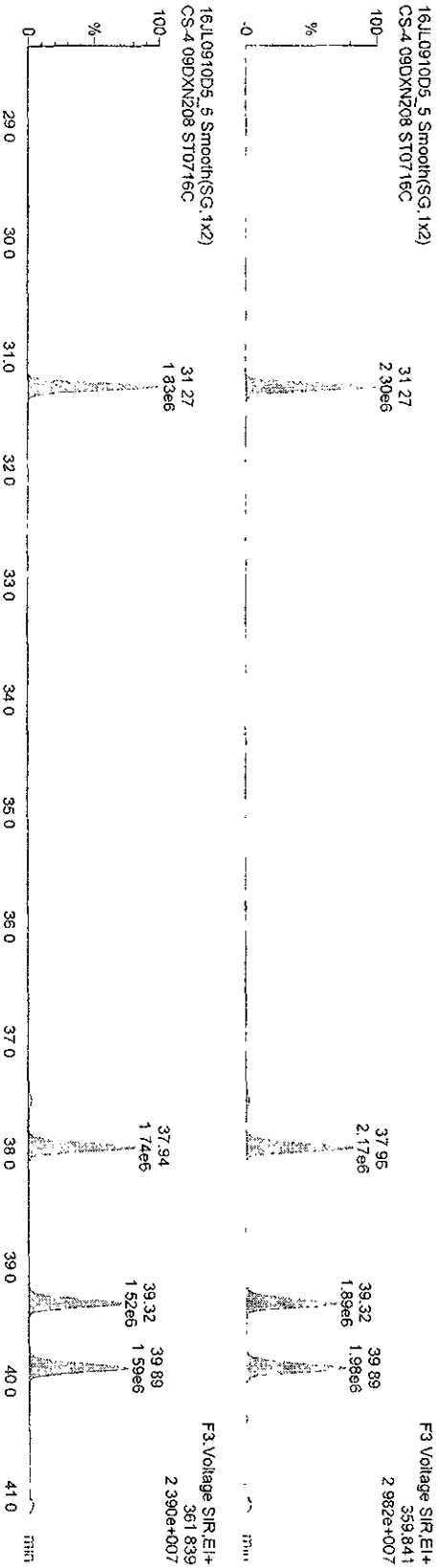
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Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

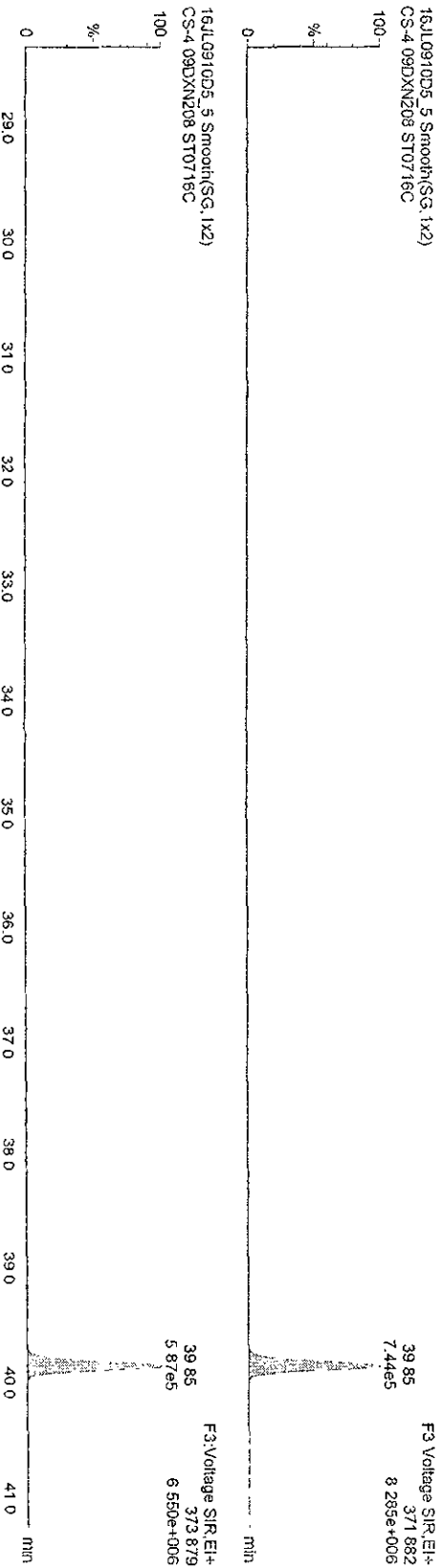
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16LJ0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

HXCBS



13C-HXCBS

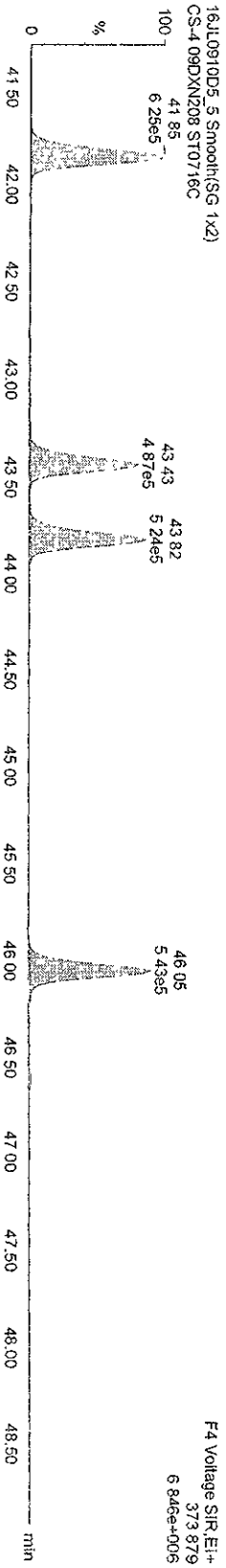
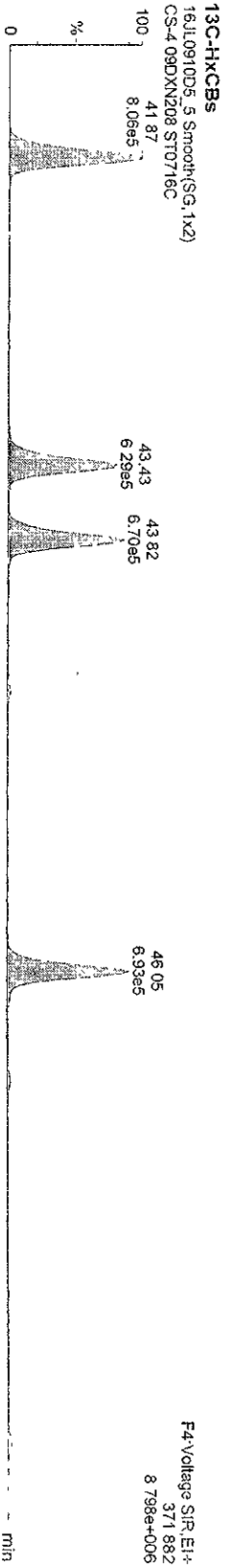
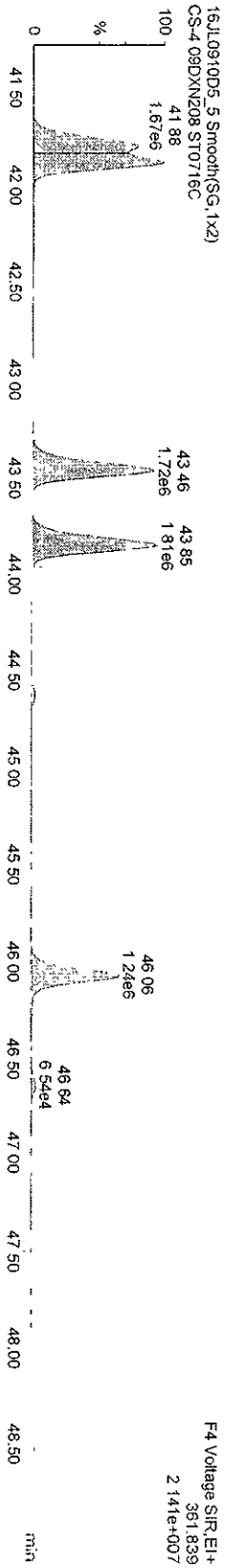
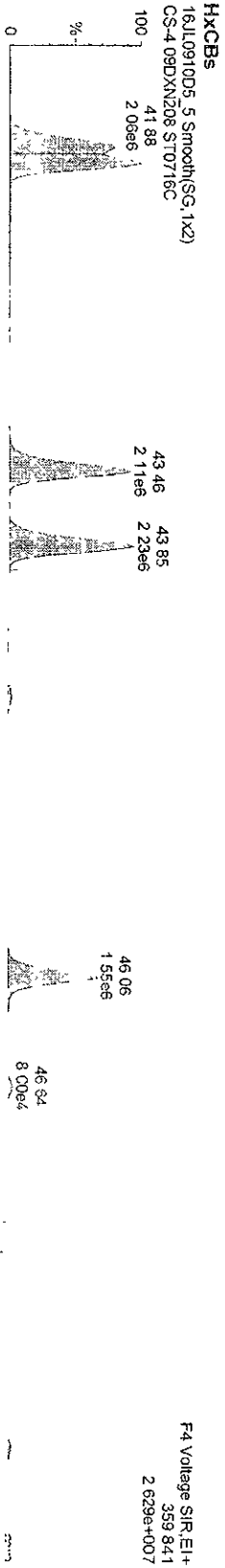


Dataset: C:\MassLynxDefault\prol\CA07162\00910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

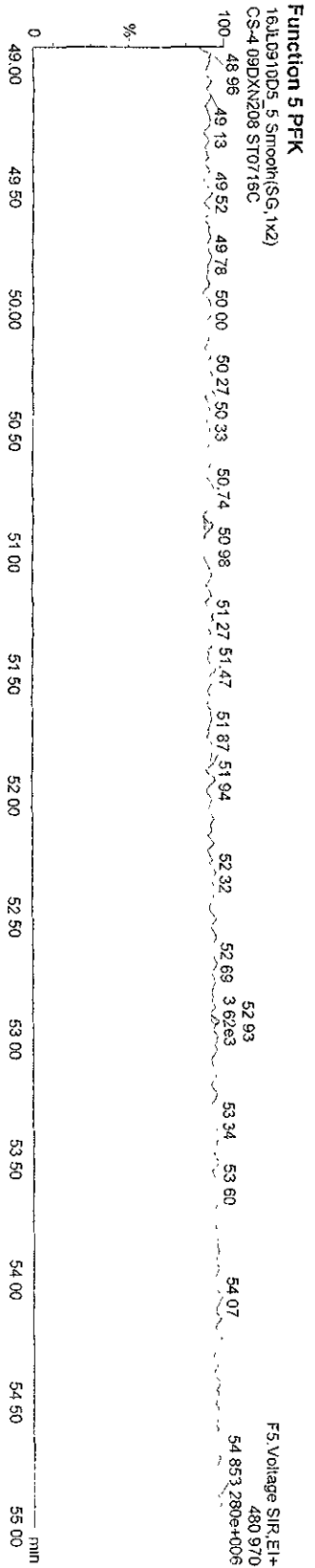
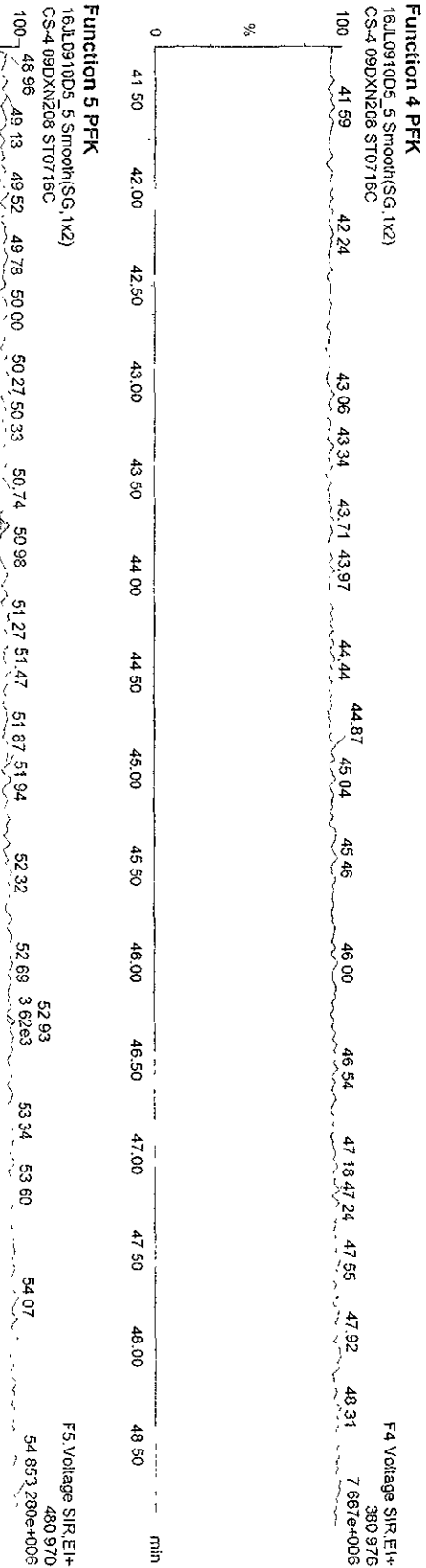
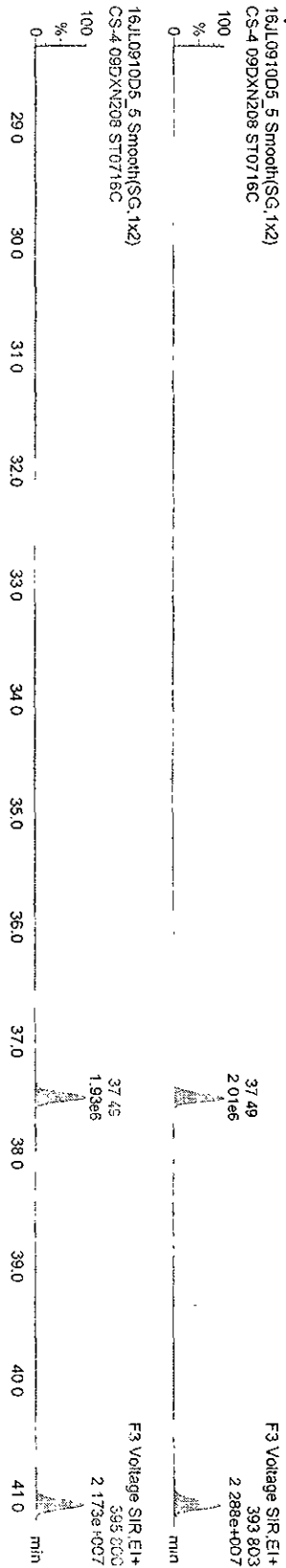
Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4-09DXNZ08



Dataset: C:\Masslynx\Default\prol\CA0716200910D51668M.qld  
 Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16LJ0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

HPCBs



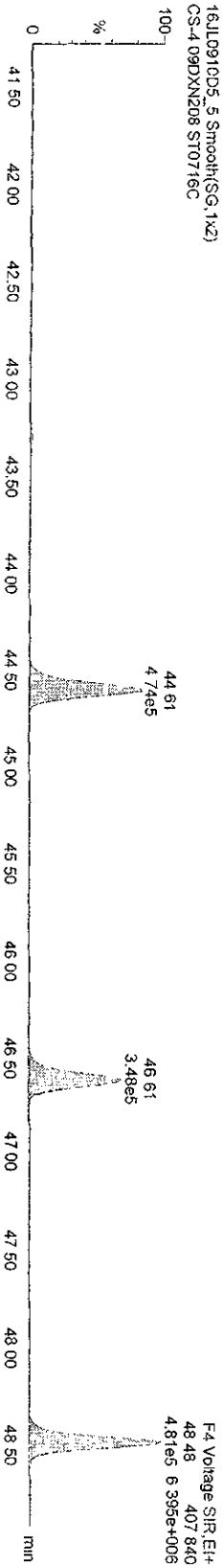
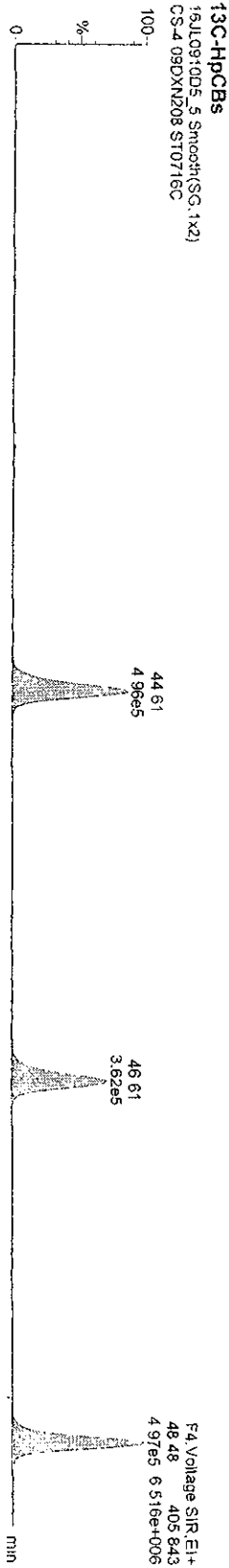
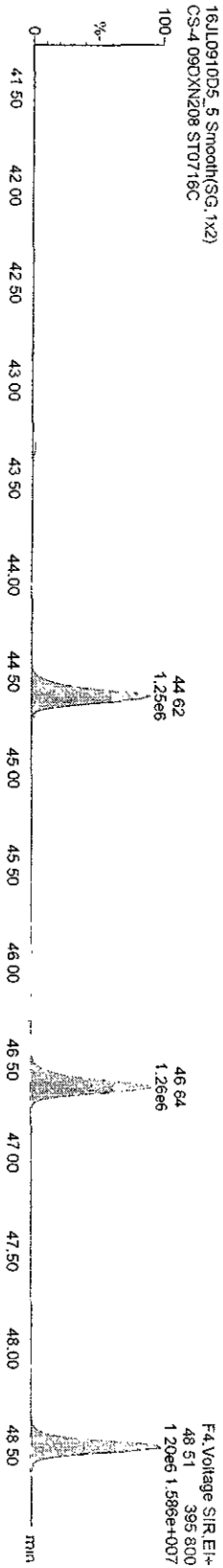
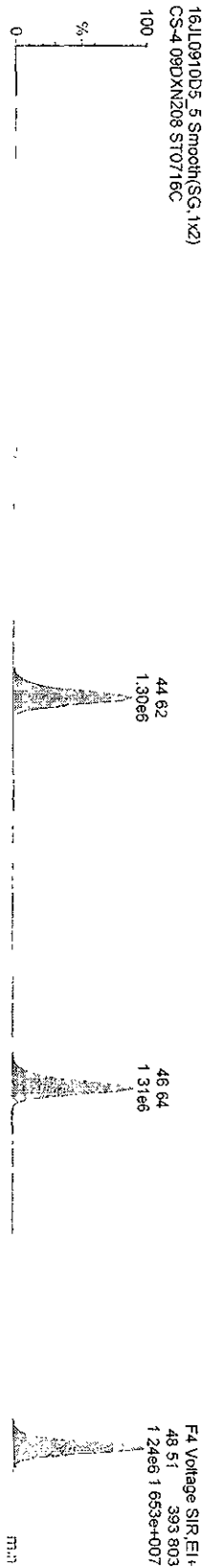
Dataset C:\MassLynx\Default pro\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

HPICBs



Dataset C:\MassLynx\Default\proil\CA07162\0910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

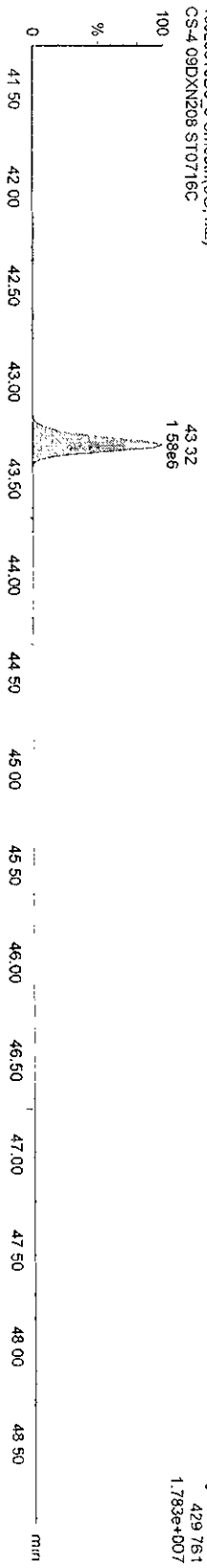
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OcCBs

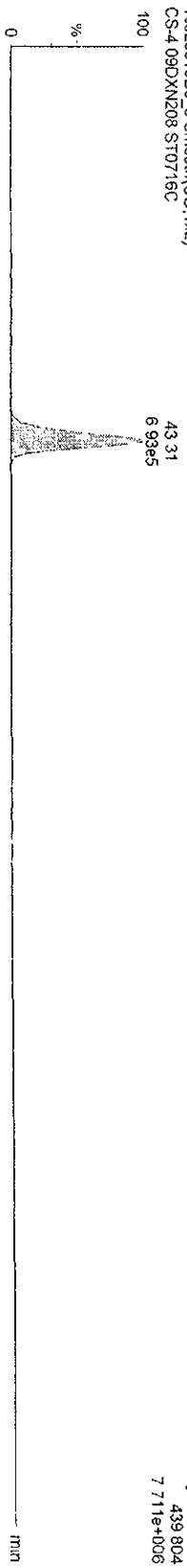
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4-09DXN208 ST0716C



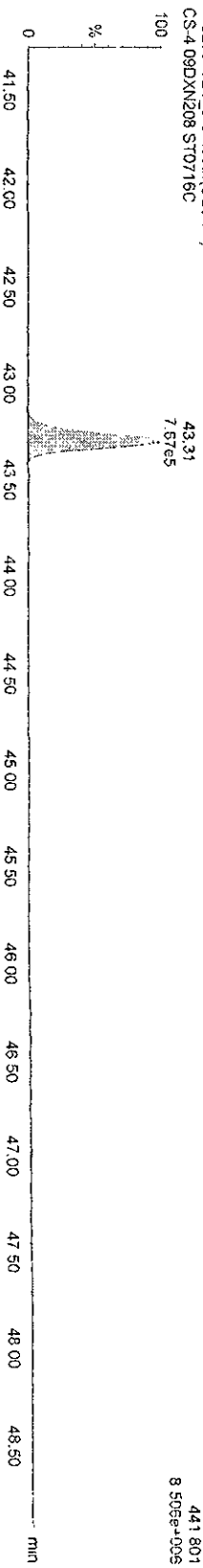
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4-09DXN208 ST0716C



13C-OcCBs  
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4-09DXN208 ST0716C



16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4-09DXN208 ST0716C





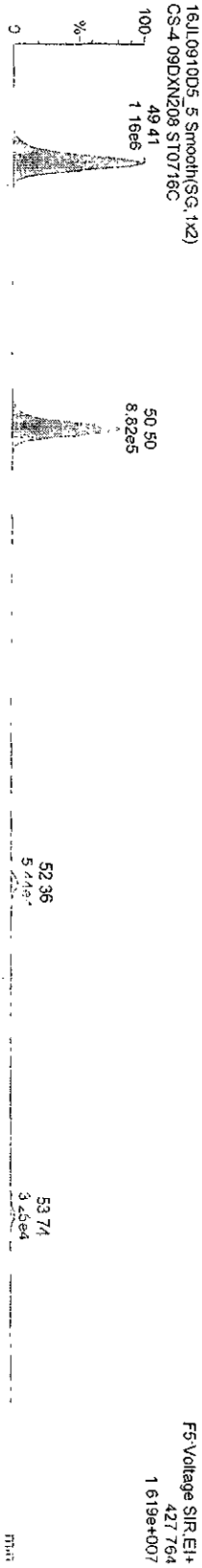
Dataset C:\MassLynx\Default\pro\CA0716200910D51668M.d\

Last Altered: Thursday, July 16, 2009 5:29 51 PM Pacific Daylight Time

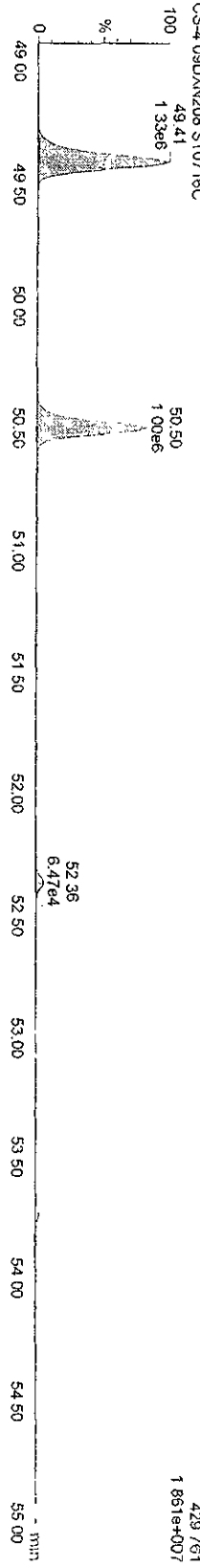
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN209

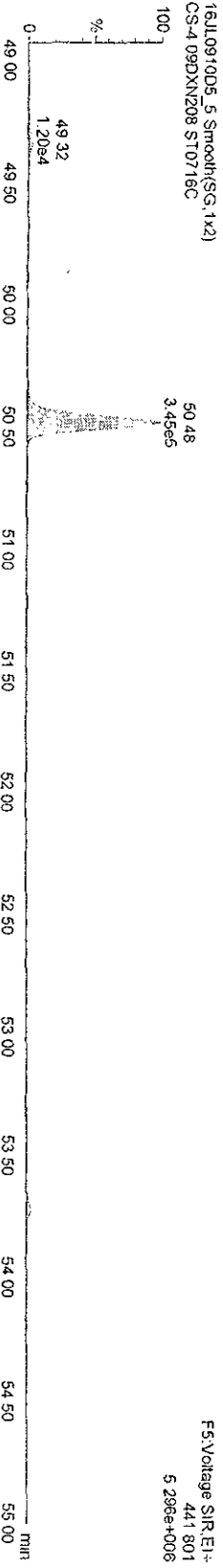
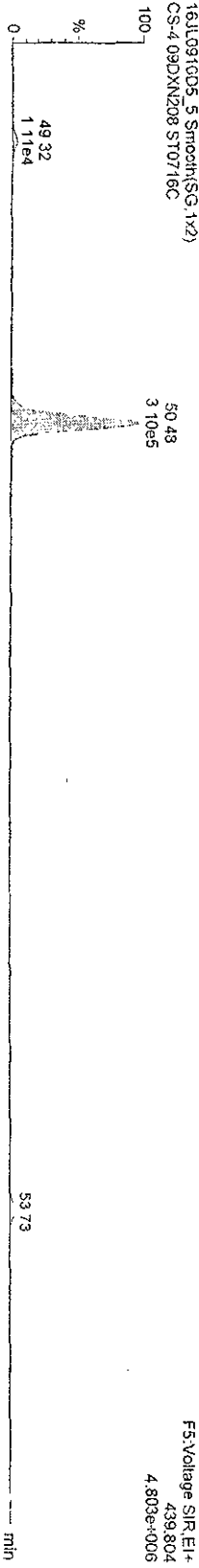
OCCBS



13C-OCCBS



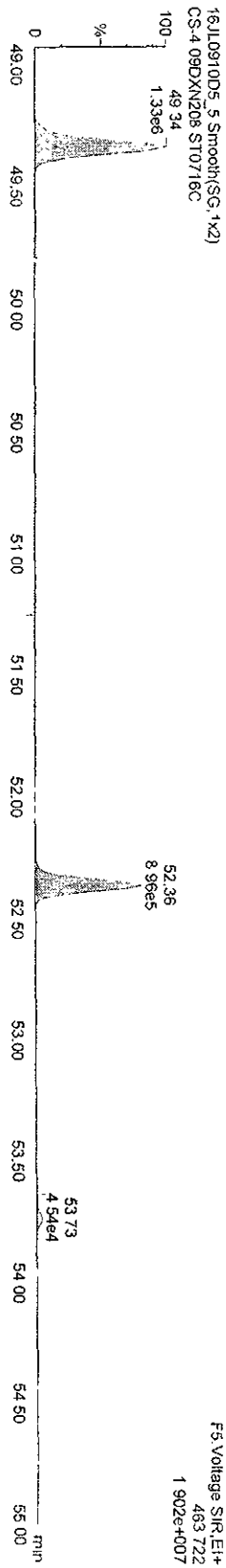
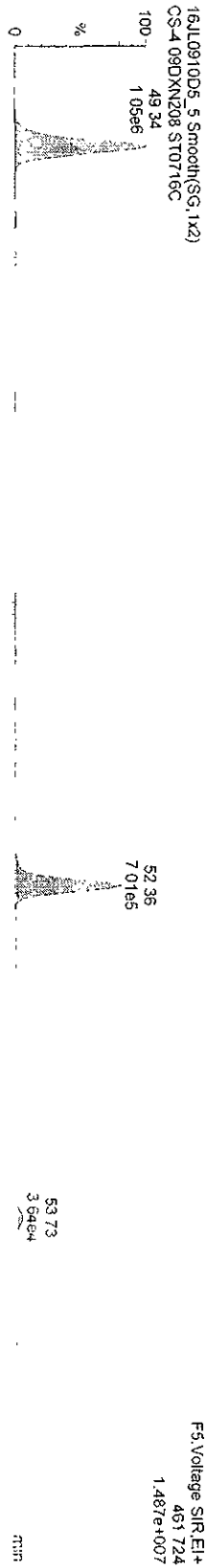
13C-OCCBS



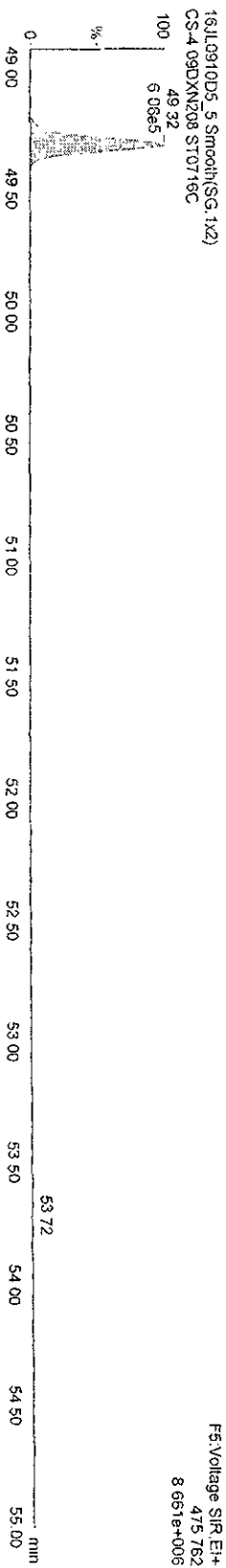
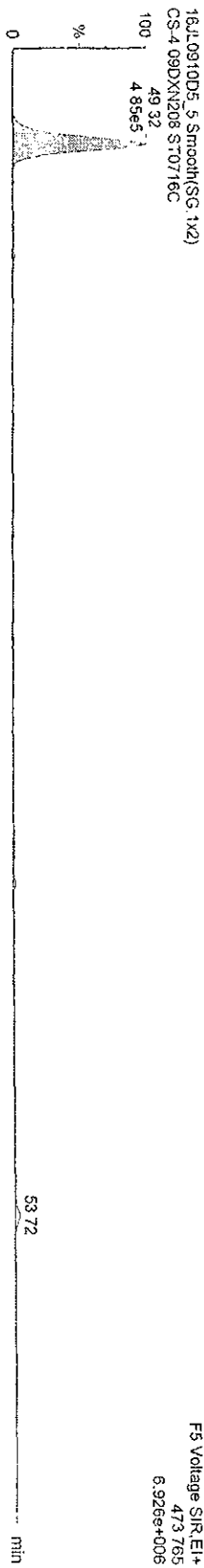
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Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 16:37:00, ID: ST0716C, Description: CS-4 09DXN208

NoCBs



13C-NoCBs



Dataset C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29 51 PM Pacific Daylight Time  
Printed Friday, July 17, 2009 8 09 53 AM Pacific Daylight Time

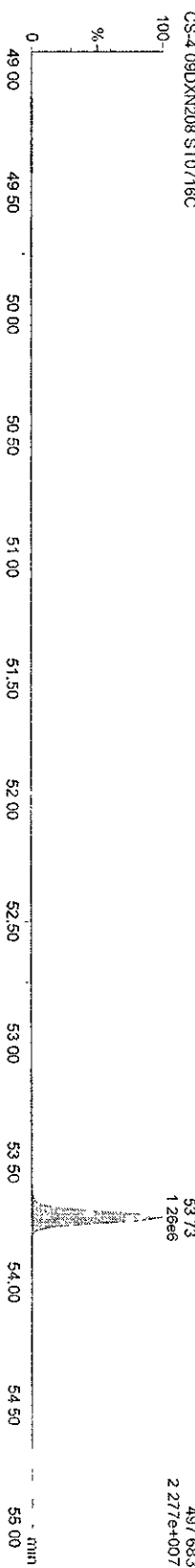
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DecB-209

16JL0910D5\_5.Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C

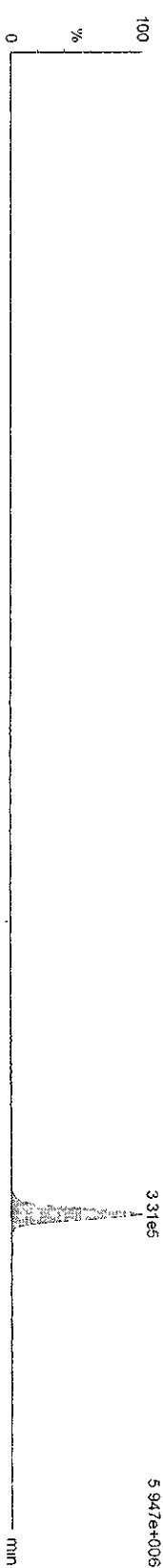


16JL0910D5\_5.Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C

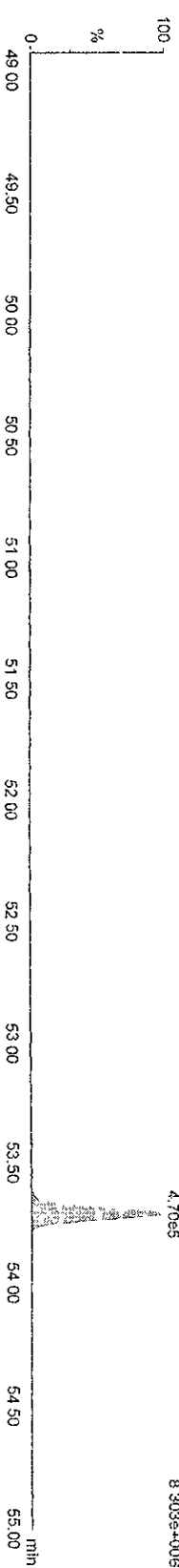


13C-DecB-209

16JL0910D5\_5.Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C



16JL0910D5\_5.Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C



Dataset:      C:\MassLynx\Default\pro\ICA0716200910D51668M.qld

Last Altered:    Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed      Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

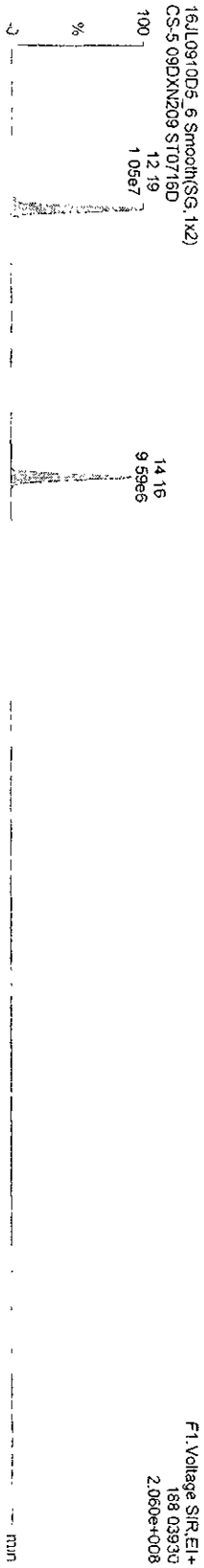
Dataset C:\MassLynx\Default.pro\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

MOCBs

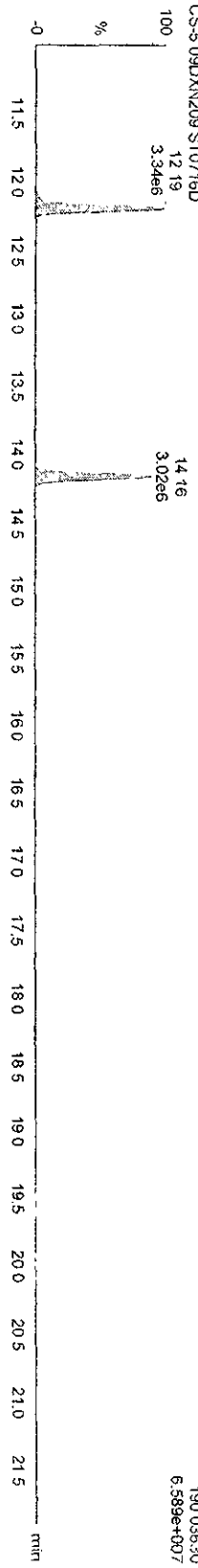


16JL0910D5\_6 Smooth(SG, 1x2)

CS-5 09DXN209 ST0716D

F1: Voltage SIR.EI+

190.03630  
6.589e+007



13C-MOCBs

16JL0910D5\_6 Smooth(SG, 1x2)

CS-5 09DXN209 ST0716D

F1: Voltage SIR.EI+

200.0795  
3.668e+007

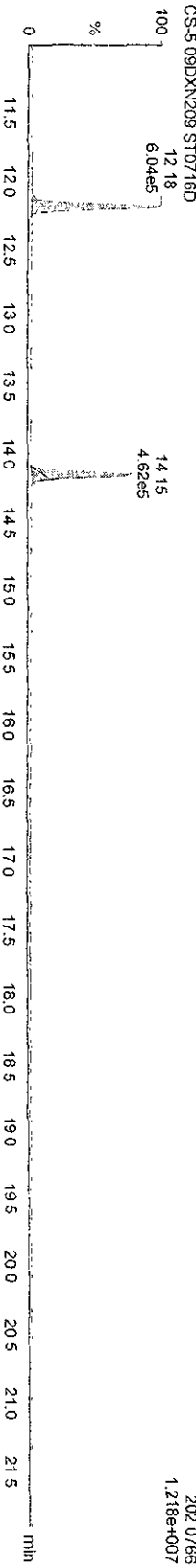


16JL0910D5\_6 Smooth(SG, 1x2)

CS-5 09DXN209 ST0716D

F1: Voltage SIR.EI+

202.0766  
1.218e+007

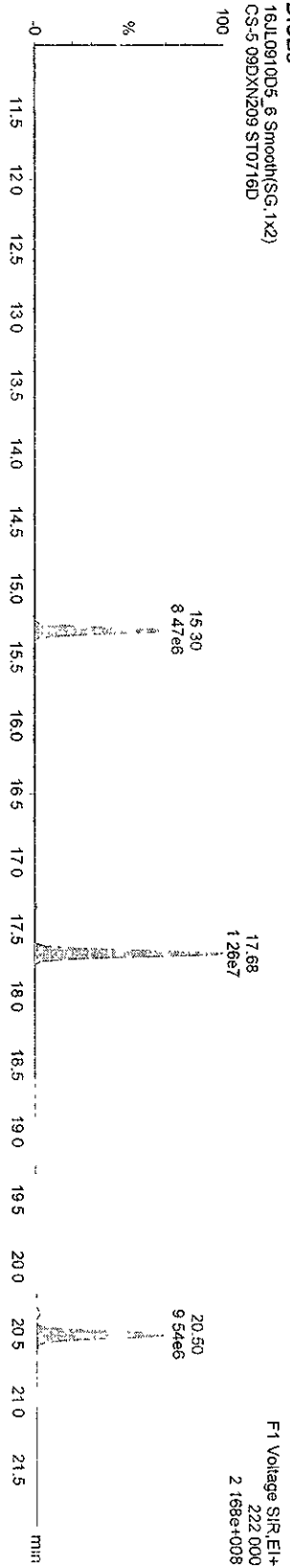


Dataset C:\Masslynx\Default\prol\CA0716200910D51668M.qtd

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

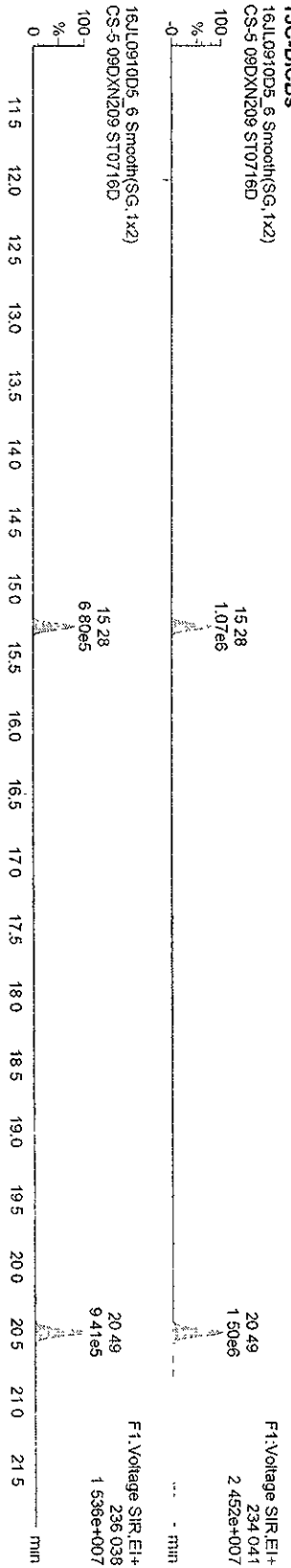
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DICBS  
16JL0910D5\_6 Smooth(SG,1x2)  
CS-5-09DXN209 ST0716D



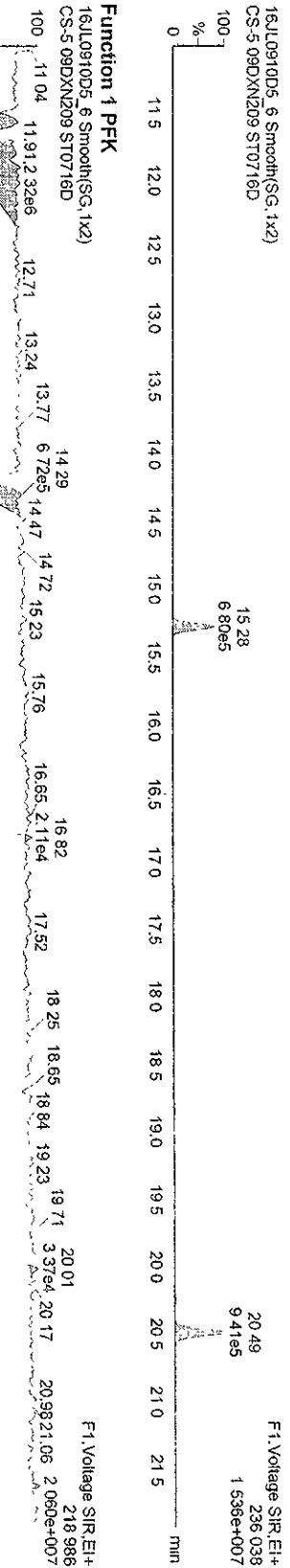
F1:Voltage SIR,EI+  
222.000  
2.168e+008

13C-DICBS  
16JL0910D5\_6 Smooth(SG,1x2)  
CS-5-09DXN209 ST0716D



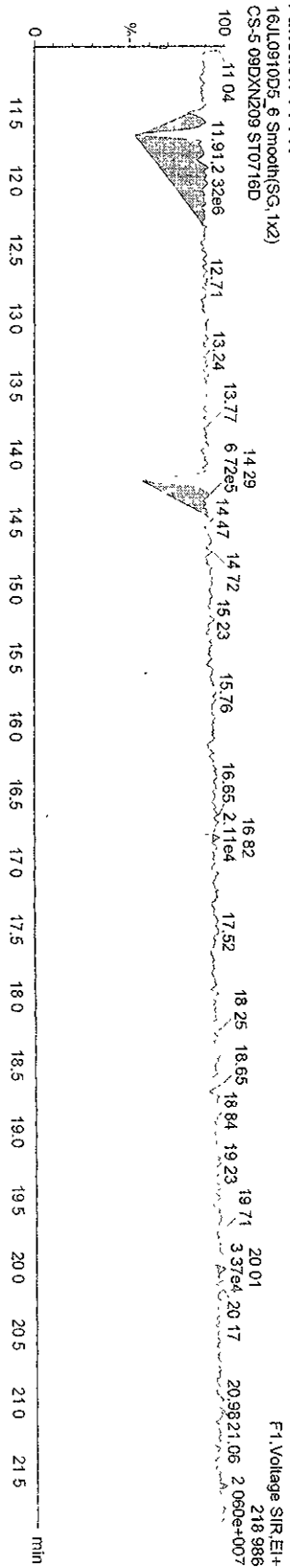
F1:Voltage SIR,EI+  
234.041  
2.452e+007

16JL0910D5\_6 Smooth(SG,1x2)  
CS-5-09DXN209 ST0716D



F1:Voltage SIR,EI+  
236.038  
1.536e+007

Function 1 PFK  
16JL0910D5\_6 Smooth(SG,1x2)  
CS-5-09DXN209 ST0716D



F1:Voltage SIR,EI+  
218.986  
2.060e+007

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

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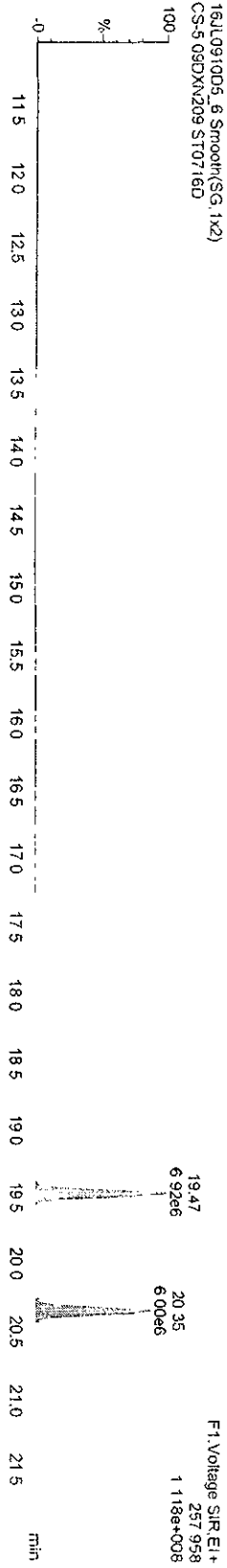
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TICBs

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D

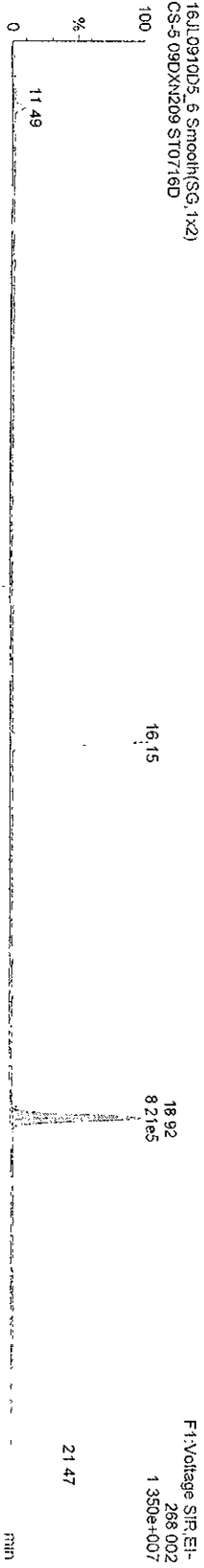


16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D

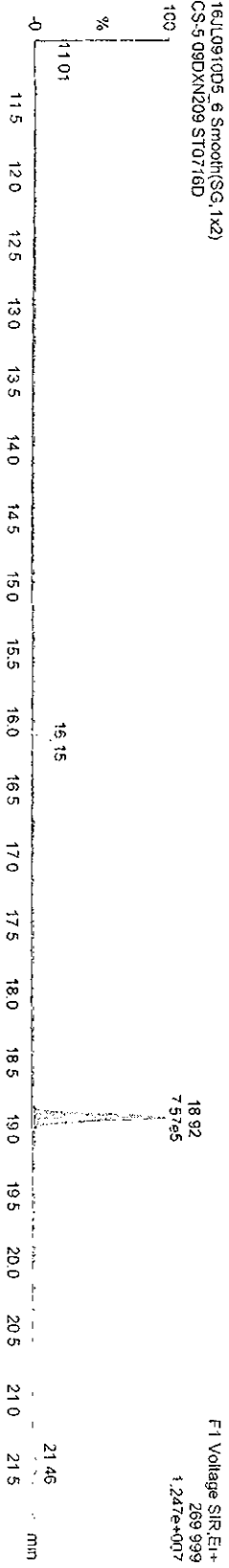


13C-TICBs

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D

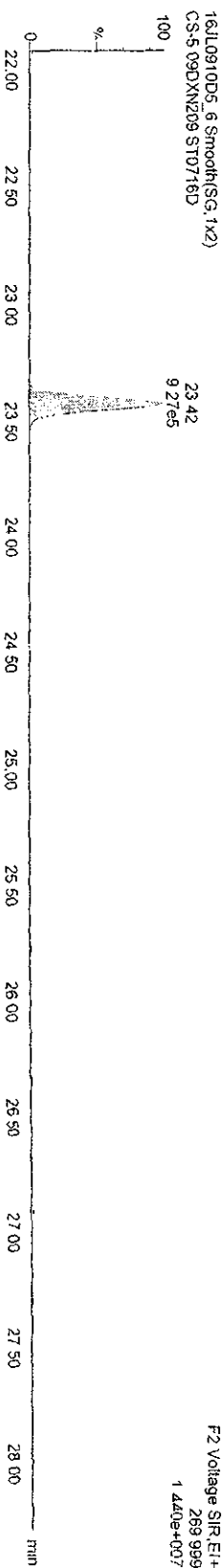
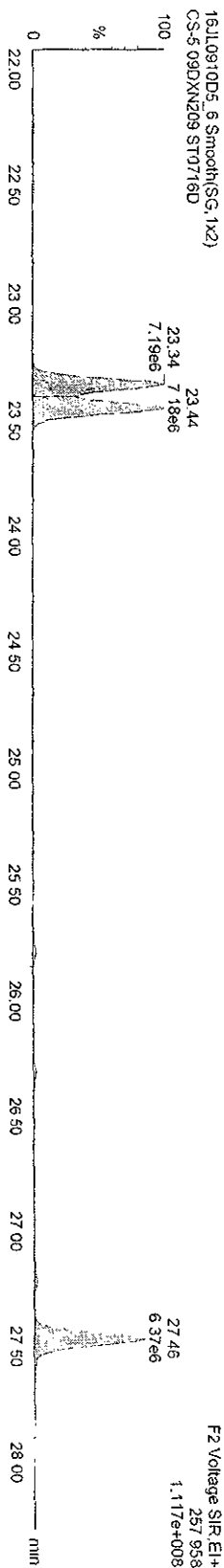
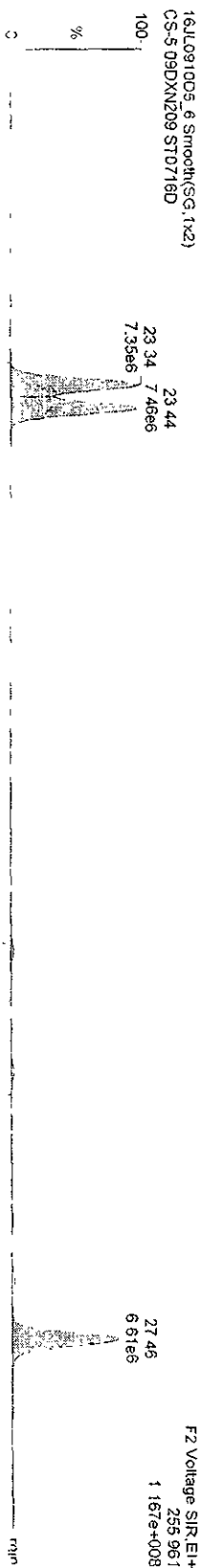


Dataset C:\MassLynx\Default\proj\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

TIC:BS





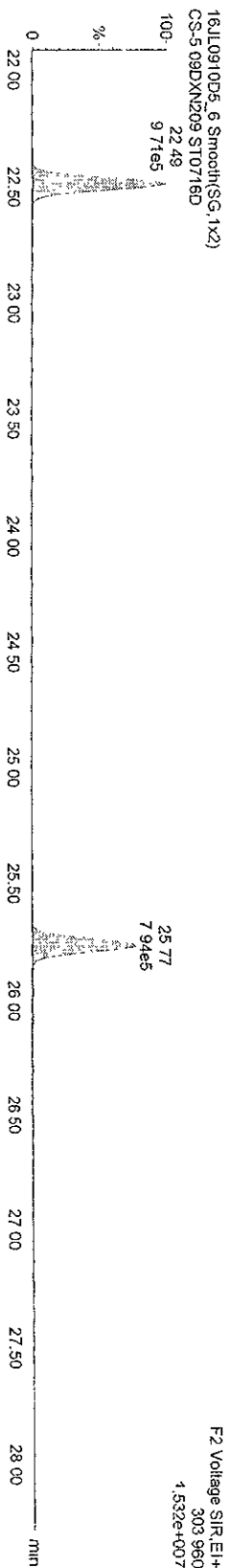
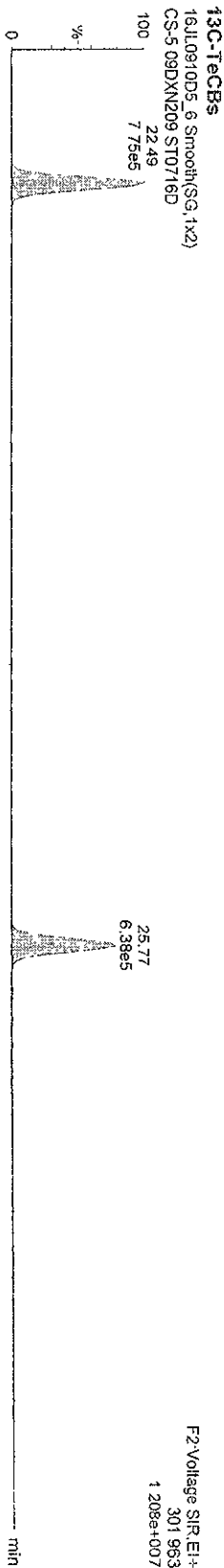
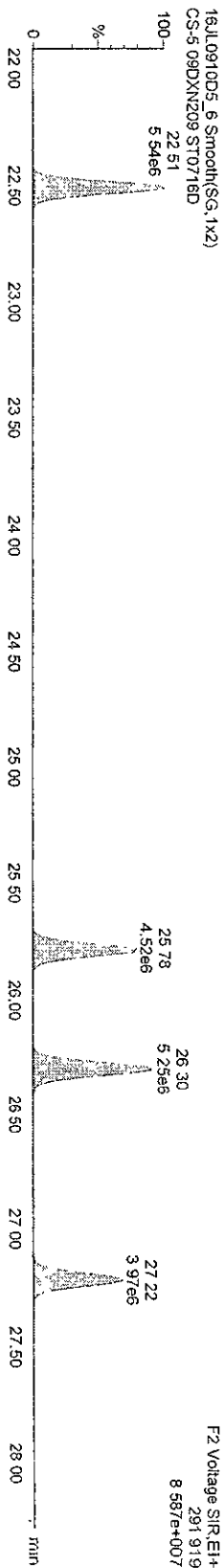
Dataset C:\Masslynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

TeCBs

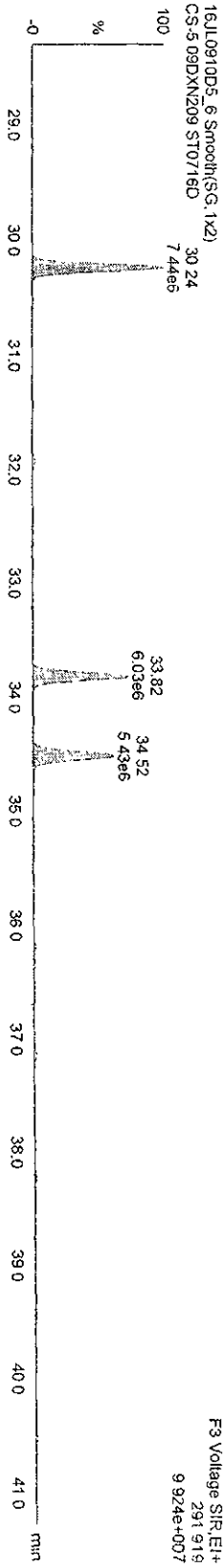
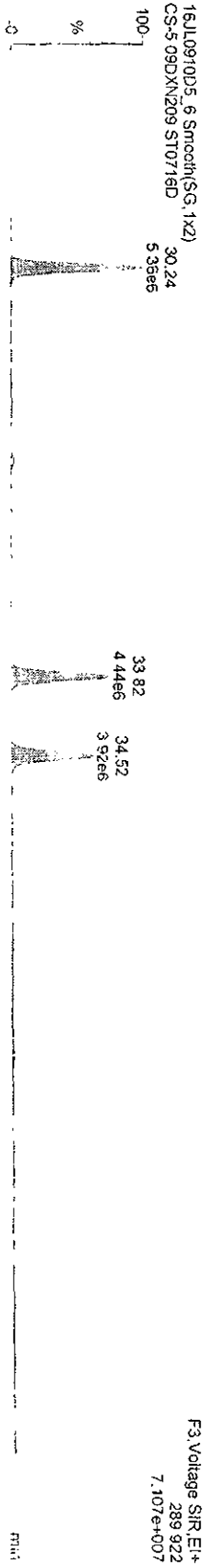


Dataset: C:\Masslynx\Default\prol\CA0716200910D51668M.qld

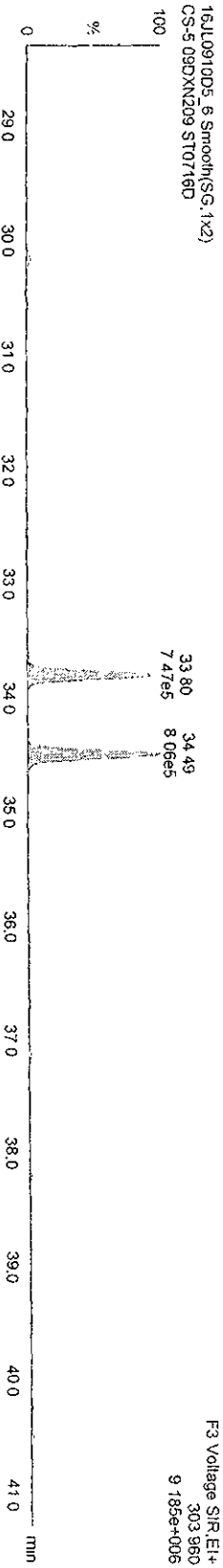
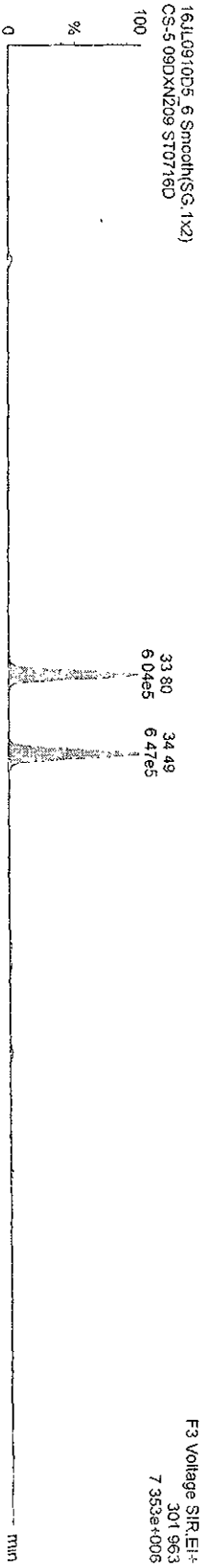
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

TeCBs



13C-TeCBs



Dataset: C:\MassLynx\Default\prof\CA0716200910D51668M.qld

Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

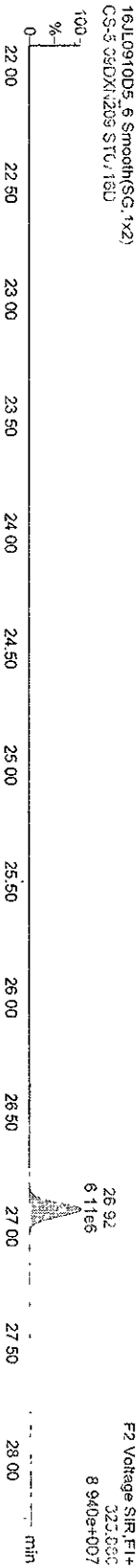
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PeCBs

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D

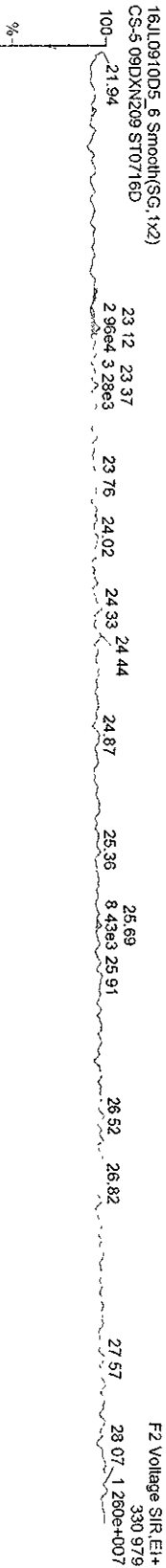


16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



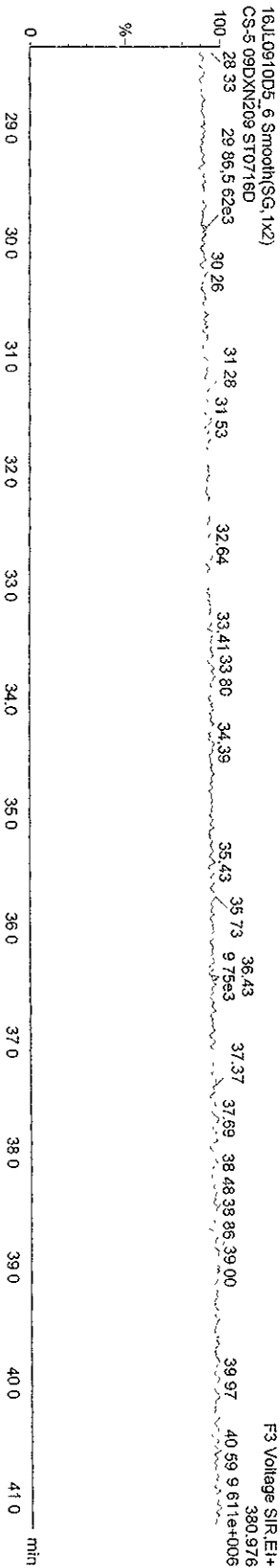
Function 2 PFK

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



Function 3 PFK

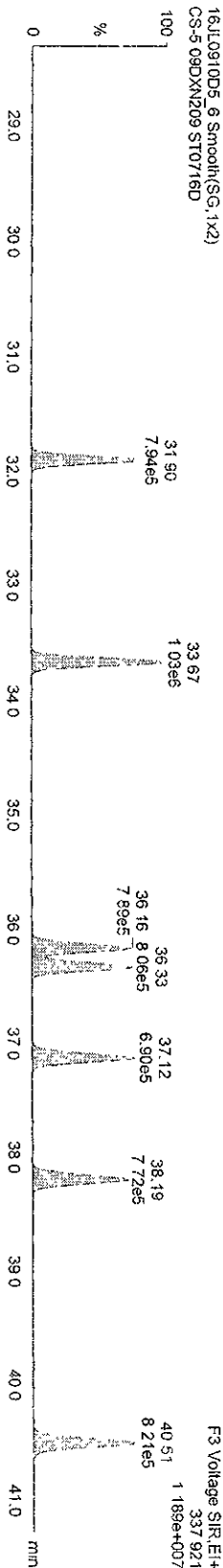
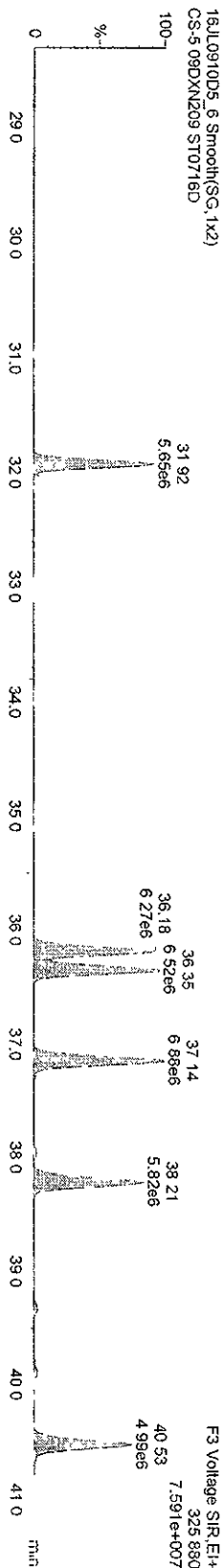
16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



Dataset C:\Masslynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209



Dataset C:\Masslynx\Default\prol\CA0716200910D51668M.qld

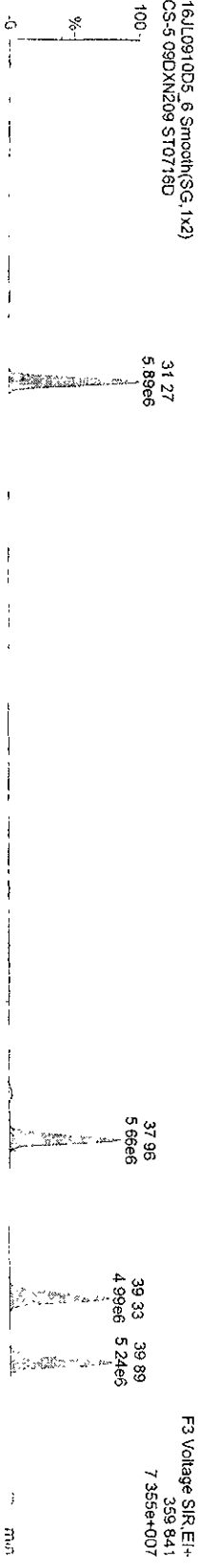
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

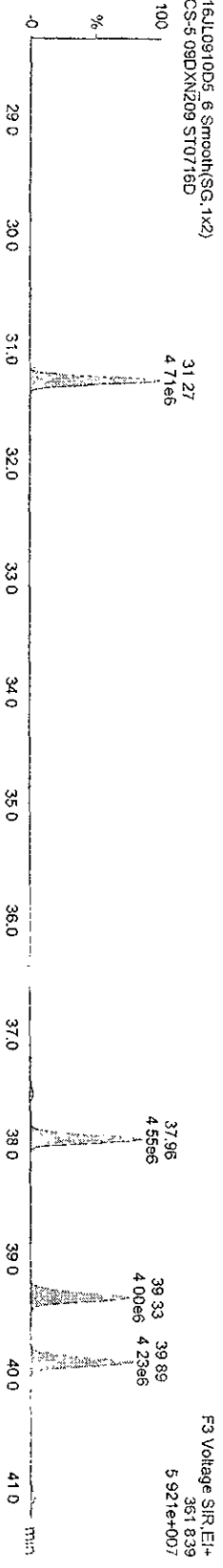
Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

HxCBs

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D

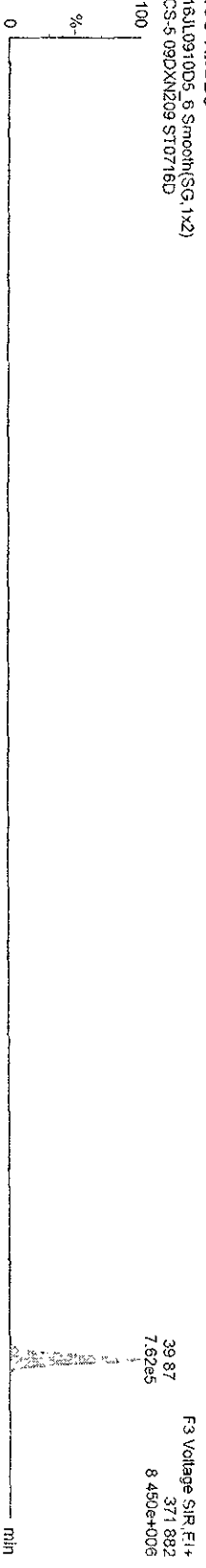


16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D

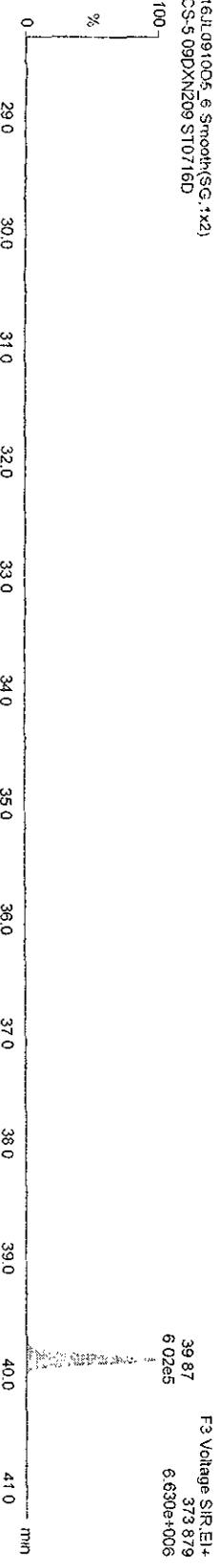


13C-HxCBs

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



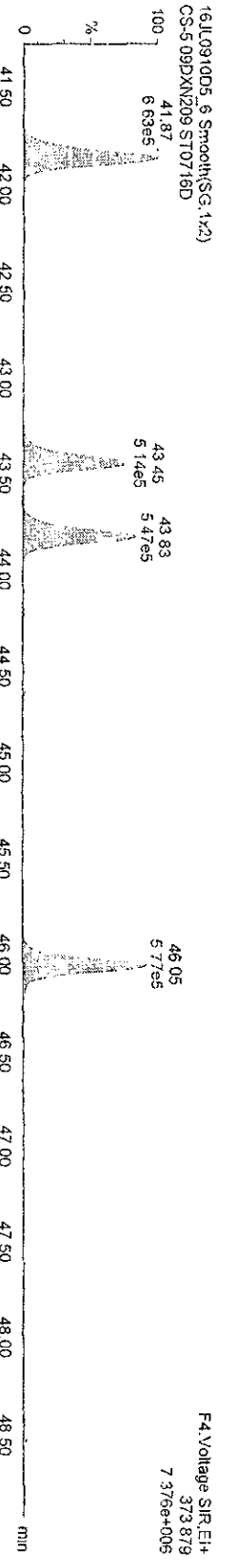
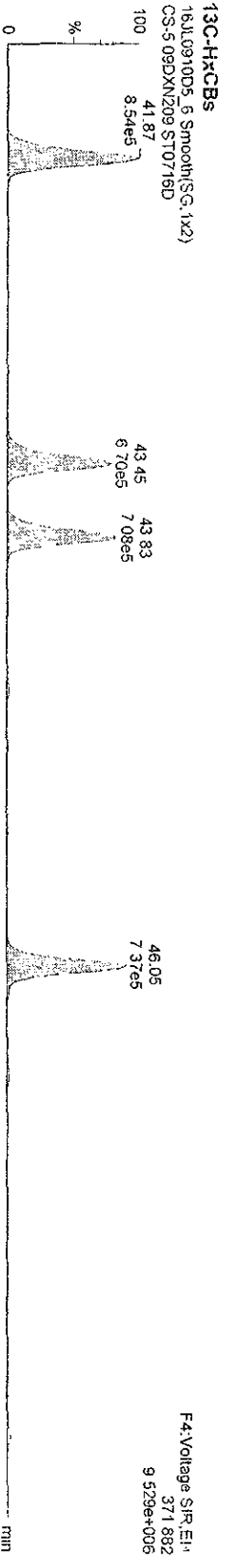
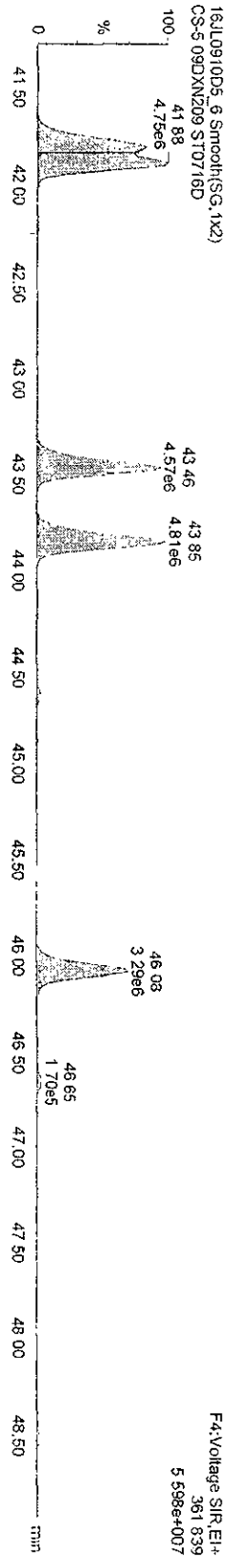
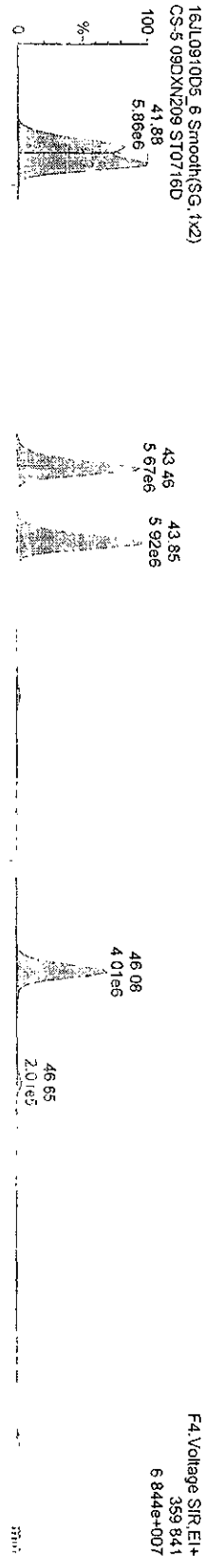
Dataset: C:\MassLynx\Default\prof\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29 51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

HxCBS

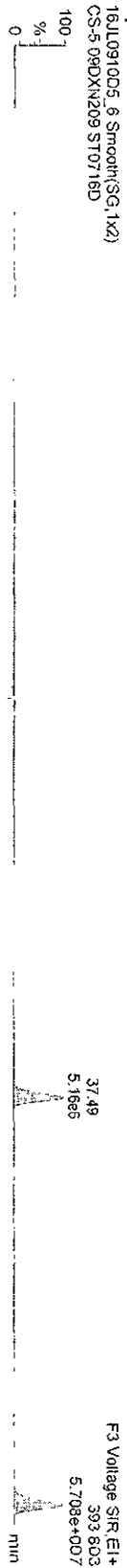


Dataset C:\MassLynx\Default\proj\CA0716200910D51668M.qld

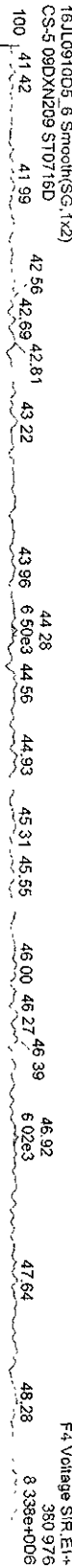
Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

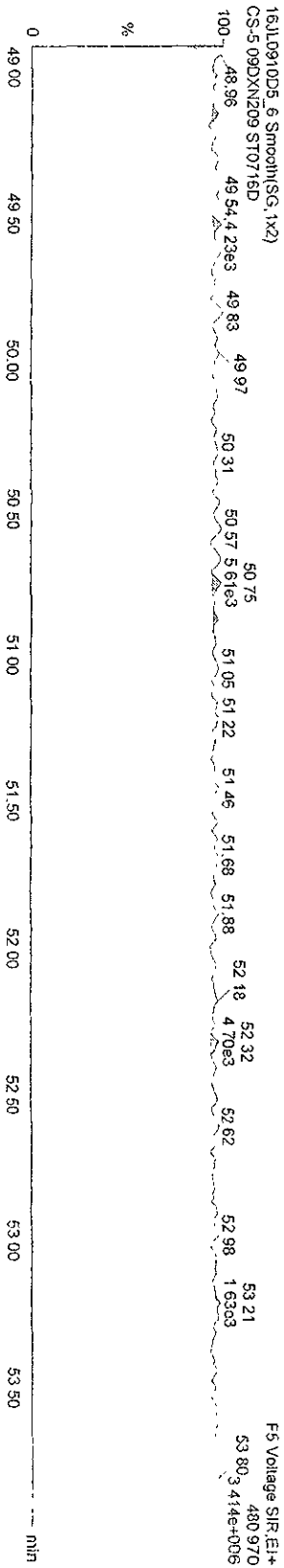
HPCBs



Function 4 PFK



Function 5 PFK

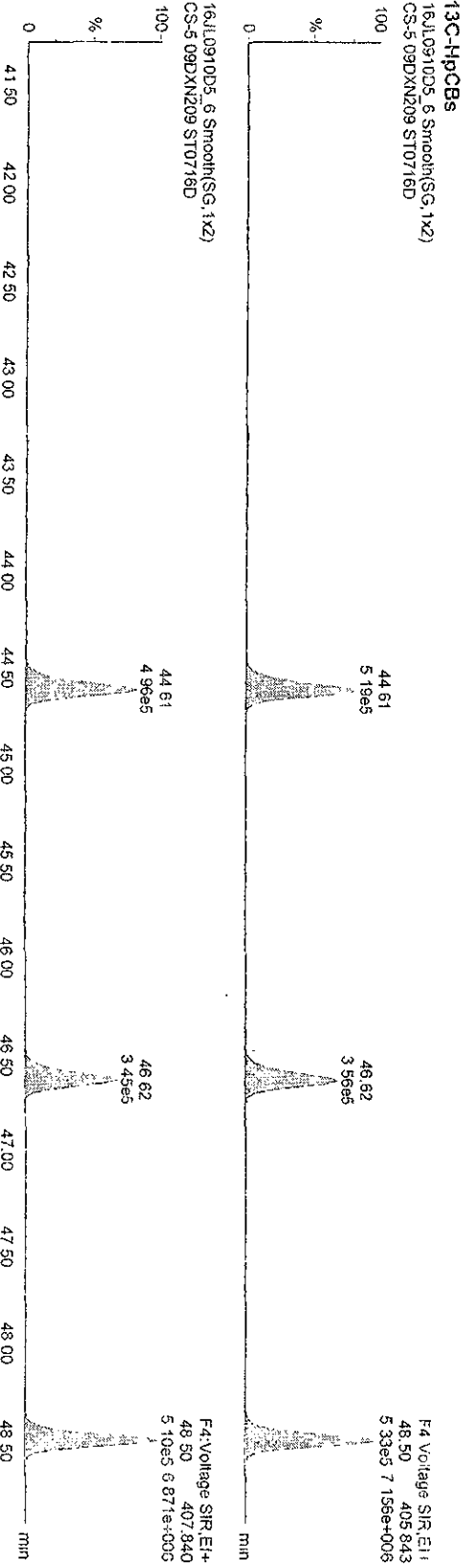
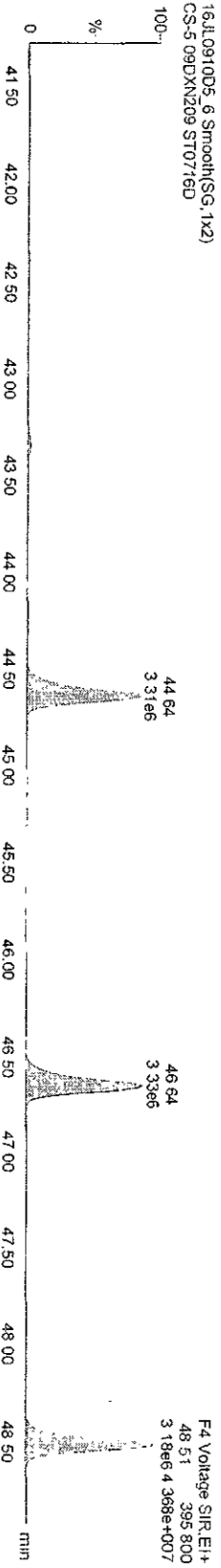
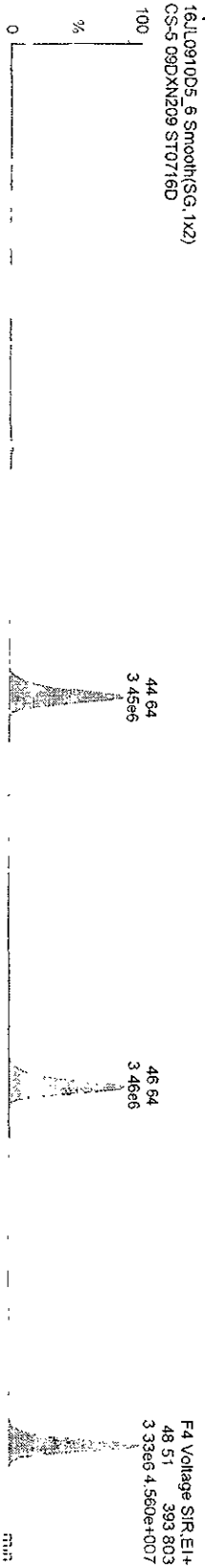


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29 51 PM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

HpCBCs





Dataset: C:\MassLynx\Default\proj\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

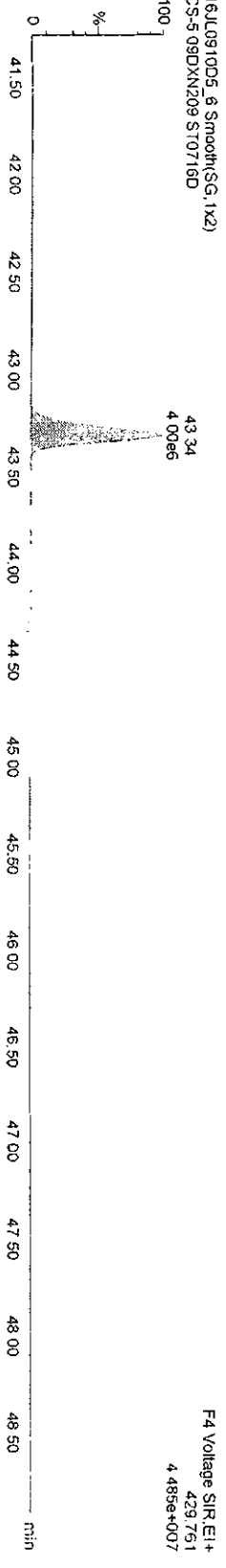
Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

OCCBS

16JUL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



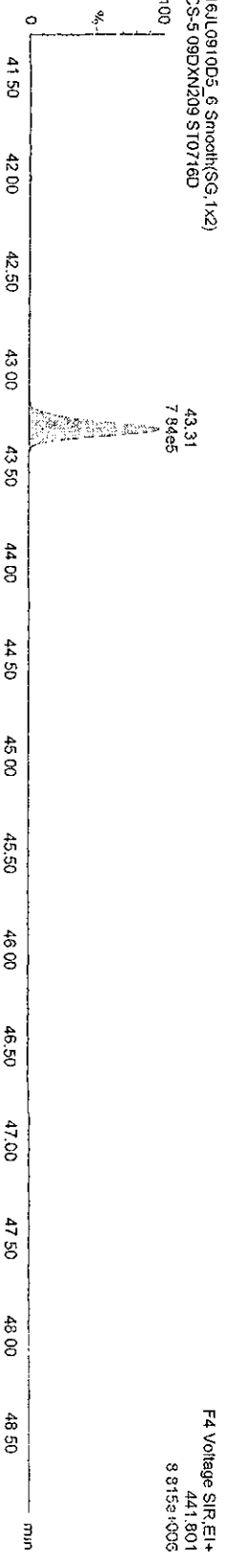
16JUL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



13C-OCCBS  
16JUL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



16JUL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



Dataset C:\MassLynx\Default\prol\CA07162\00910D51668M.qld

Last Altered: Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:24:50, ID: ST0716D, Description: CS-5 09DXN209

OcCBS

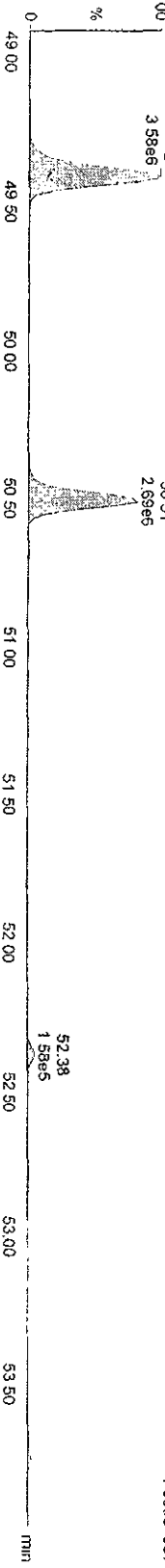
16JUL0910D5\_6 Smooth(S.G, 1x2)

CS-5 09DXN209 ST0716D



16JUL0910D5\_6 Smooth(S.G, 1x2)

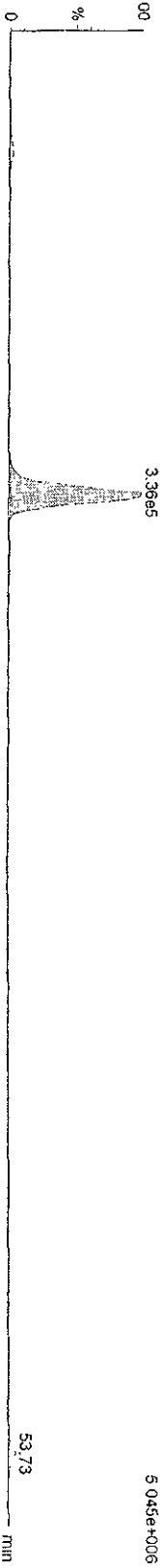
CS-5 09DXN209 ST0716D



13C-OcCBS

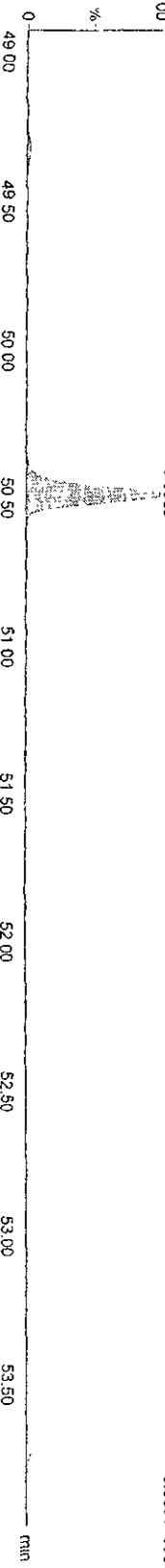
16JUL0910D5\_6 Smooth(S.G, 1x2)

CS-5 09DXN209 ST0716D



16JUL0910D5\_6 Smooth(S.G, 1x2)

CS-5 09DXN209 ST0716D



Dataset: C:\MassLynx\Default prof\CA0716200910D51668M.qld

Last Altered: Thursday, July 16, 2009 5 29 51 PM Pacific Daylight Time

Printed: Friday, July 17, 2009 8 09 53 AM Pacific Daylight Time

Name: 16.JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

**NOCBs**



**13C-NOCBs**



**16.JUL0910D5\_6**



Dataset C:\MassLynx\Default pro\16JUL0910D5\_6\1668M.qld

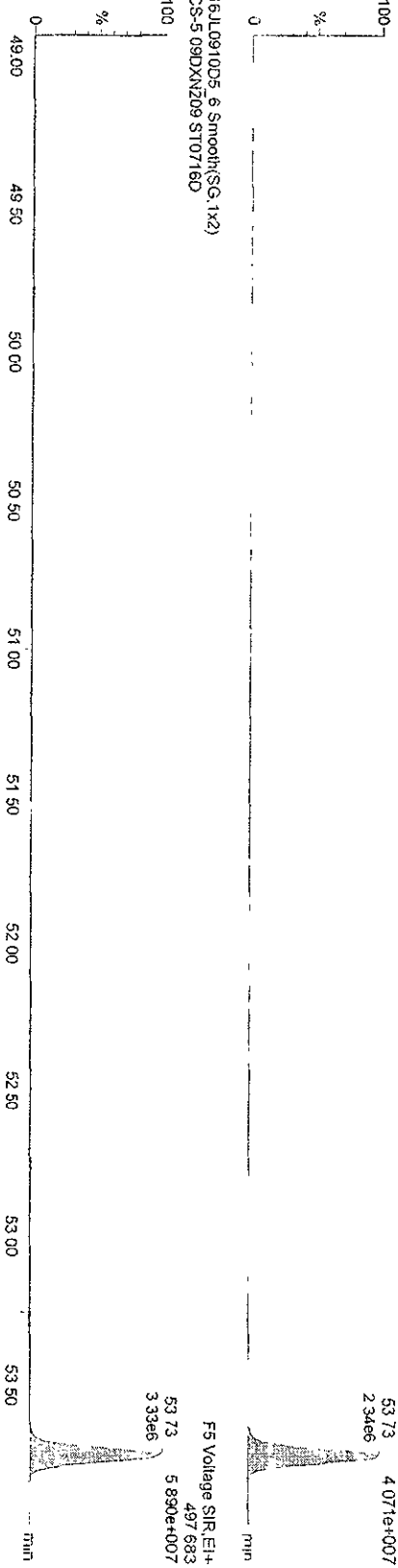
Last Altered Thursday, July 16, 2009 5:29:51 PM Pacific Daylight Time

Printed Friday, July 17, 2009 8:09:53 AM Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

DecB-209

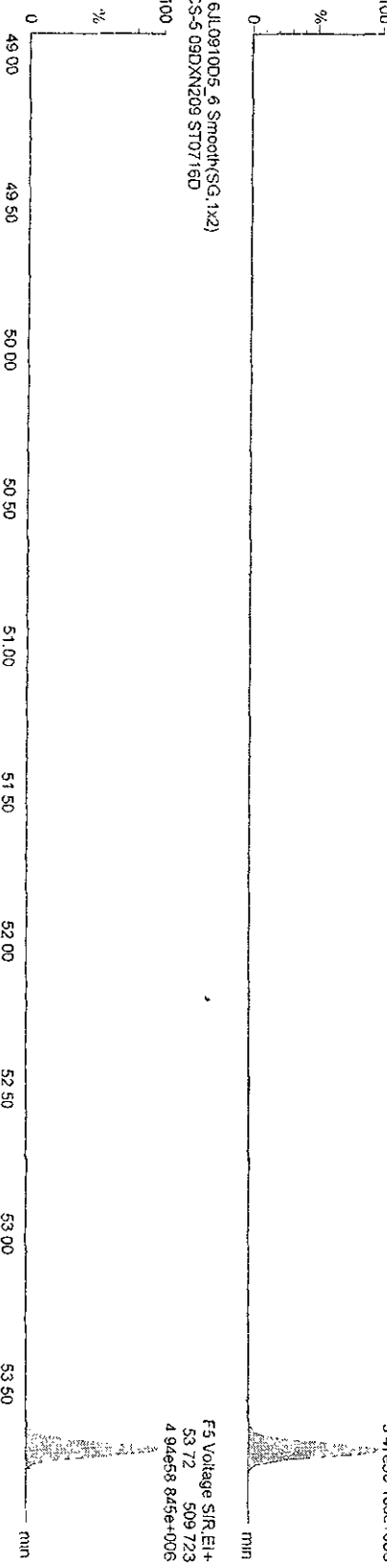
16JUL0910D5\_6.Smooth(SG,1x2)  
CS-5-09DXN209 ST0716D



F5 Voltage SIR\_EI+  
495686  
53.73 4.071e+007  
2.34e6

F5 Voltage SIR\_EI+  
497683  
53.73 5.890e+007  
3.33e6

13C-DecB-209  
16JUL0910D5\_6.Smooth(SG,1x2)  
CS-5-09DXN209 ST0716D



F5 Voltage SIR\_EI+  
507726  
53.72 5.07726  
4.94e58 8.45e+006

16JUL0910D5\_6.Smooth(SG,1x2)  
CS-5-09DXN209 ST0716D

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M2\ndsource.qld

Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
 Printed: Monday, July 20, 2009 08:30:18 Pacific Daylight Time

Method: C:\MassLynx\Default\PROI\MethodB1668M10DB5.mdb 16 Jul 2009 17:05:33  
 Calibration: C:\MassLynx\Default\PROI\CurveDB\CA0716200910D51668M.cdb 16 Jul 2009 17:29:50

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

#Name	Trace	Sample Size	RT	Ptd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F1	Mod Date
1 13C-MoCB-3	200.0795	1.000	14.18	14.15	1.38845		2285144.69	101.7591	101.7591	101.8	0.17084	3.23	NO	
2 MoCB-1	188.03930	1.000	12.22	12.22	1.38571		1435462.41	45.3322	45.3322		0.01254	3.13	NO	
3 MoCB-3	188.03930	1.000	14.19	14.19	1.25915		1259125.38	43.7600	43.7600		0.01380	3.12	NO	
4 Total MoCB	188.03930	1.000			0.00	1.32243		140.2098	140.2098		0.01314		NO	
5														
6 13C-DICB-15	234.041	1.000	20.50	20.49	1.70222		2885507.00	104.8087	104.8087	104.8	0.02064	1.60	NO	
7 DICB-4/10	222.000	1.000	15.32	15.32	0.69366		1525302.25	76.2060	76.2060		0.01867		NO	
8 DICB-8/5	222.000	1.000	17.70	17.69	0.51024		984299.19	66.8550	66.8550		0.02538		NO	
9 DICB-15	222.000	1.000	20.52	20.52	0.76669		1002887.50	45.3326	45.3326		0.01689		NO	
10 Total DICB	222.000	1.000			0.00	0.65666		583.6551	0.0000		0.01972		NO	
11														
12 13C-TrCB-28	268.002	1.000	23.43	23.42	1.35659		2263422.00	103.1587	103.1587	103.2	0.21840	1.06	NO	
13 TrCB-30	255.961	1.000	19.48	19.48	1.46403		1544753.75	46.6171	46.6171		0.00905	1.05	NO	
14 TrCB-18	255.961	1.000	20.36	20.36	1.24888		1013354.53	35.8489	35.8489		0.01061	1.04	NO	
15 Total F1 TrCB	255.961	1.000			0.00	1.35645		328.5148	328.5148		0.00977		NO	
16 TrCB-31	255.961	1.000	23.35	23.35	1.47193		1522759.81	45.7065	45.7065		0.03811	1.00	NO	
17 TrCB-28	255.961	1.000	23.46	23.46	1.47144		1361080.13	40.8672	40.8672		0.03813	1.02	NO	
18 TrCB-37	255.961	1.000	27.48	27.50	1.26895		1352324.31	47.1581	47.1581		0.04428	1.02	NO	
19 Total F2 TrCB	255.961	1.000			0.00	1.40344		692.9001	692.9001		0.03997		NO	
20														
21 13C-TeCB-52	301.963	1.000	25.77	25.78	1.00000		1617370.63	100.0000	100.0000	100.0	0.02725	0.80	NO	
22														
23 13C-TeCB-81	301.963	1.000	33.82	33.82	1.03984		1610148.06	105.3037	105.3037	105.3	0.05886	0.79	NO	
24 13C-TeCB-77	301.963	1.000	34.50	34.52	1.10436		1683224.19	103.6572	103.6572	103.7	0.05543	0.79	NO	
25 TeCB-54	289.9224	1.000	22.52	22.52	1.41398		2108907.50	90.5695	90.5695		0.02105	0.78	NO	
26 TeCB-52/73	289.9224	1.000	25.82	25.79	1.12730		3809856.25	205.2387	205.2387		0.02641	0.77	NO	
27 TeCB-47/75/48	289.9224	1.000	26.35	26.31	1.30584		5774311.25	268.5331	268.5331		0.02279	0.79	NO	
28 TeCB-44	289.9224	1.000	27.22	27.23	0.98730		1437385.56	88.4127	88.4127		0.03015	0.79	NO	
29 Total F2 TeCB	289.9224	1.000			0.00	1.20861		2208.8307	2208.8307		0.02463		NO	
30 TeCB-66/80	289.922	1.000	30.21	30.26	1.74077		2459237.88	85.7923	85.7923		0.03824	0.75	NO	
31 TeCB-81	289.922	1.000	33.83	33.85	1.45339		2117289.38	90.1658	90.1658		0.04853	0.74	NO	

Dataset: C:\MassLynx\Default\pro\CA0716200910D51668M2\ndsource.qld

Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
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Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

# Name	Trace	Sample Size	RT	Ptd RT	RRF	M	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
32 TeCB-77	289.922	1.000	34.52	34.52	1.27061		1973168.13	92.2595	92.2595	104.9	0.05143	0.76	NO	
33 Total F3 TeCB	289.922	1.000			0.00	1.48992		1477.7387	1457.8989	100.0	0.04458		NO	
34														
35 13C-PeCB-101	335.924	1.000	31.90	31.90	1.00000		1470466.81	100.0000	100.0000	100.0	0.05400	0.65	NO	
36														
37 13C-PeCB-123	335.924	1.000	36.16	36.16	0.99324		1532208.75	104.9083	104.9083	104.9	0.05436	0.63	NO	
38 PeCB-104	323.883	1.000	26.93	26.92	1.51630		2091363.63	88.5963	88.5963	105.3	0.01006	0.62	NO	
39 Total F2 PeCB	323.883	1.000			0.00	1.51630		88.5963	88.5963	105.7	0.01006		NO	
40 PeCB-101/89/90	323.883	1.000	31.94	31.92	1.35828		4225678.75	199.8381	199.8381	105.3	0.06561	0.63	NO	
41 PeCB-123	323.883	1.000	36.20	36.18	1.50539		1759145.25	76.2668	76.2668	105.3	0.05843	0.62	NO	
42 13C-PeCB-118	335.924	1.000	36.33	36.35	1.02407		1572983.44	104.4572	104.4572	104.5	0.05273	0.64	NO	
43 PeCB-118/106	323.883	1.000	36.37	36.35	1.52536		3508659.50	146.2330	146.2330	105.7	0.05702	0.62	NO	
44 13C-PeCB-114	335.924	1.000	37.12	37.14	1.03691		1612395.63	105.7488	105.7488	105.7	0.05207	0.64	NO	
45 PeCB-114	323.883	1.000	37.15	37.14	1.58603		1671774.44	65.3723	65.3723	105.3	0.05337	0.62	NO	
46 13C-PeCB-105	335.924	1.000	38.19	38.25	0.98151		1520435.63	105.3461	105.3461	105.3	0.05501	0.65	NO	
47 PeCB-105/127	323.883	1.000	38.23	38.23	1.43326		3561897.75	163.4509	163.4509	102.1	0.06446	0.62	NO	
48 13C-PeCB-126	335.924	1.000	40.51	40.56	1.02999		1545906.50	102.0695	102.0695	102.1	0.05242	0.63	NO	
49 PeCB-126	323.883	1.000	40.54	40.53	1.15582		1658692.44	92.8312	92.8312	102.1	0.08124	0.62	NO	
50 Total F3 PeCB	323.883	1.000			0.00	1.42736		3186.9210	3147.8560	100.0	0.06243		NO	
51														
52 13C-OcCB-202	439.804	1.000	43.31	43.37	1.00000		1688443.75	100.0000	100.0000	100.0	0.02037	0.90	NO	
53														
54 13C-HxCB-167	371.882	1.000	41.87	41.86	1.00247		1715750.19	101.3672	101.3672	101.4	0.04312	1.27	NO	
55 HxCB-155	359.841	1.000	31.28	31.22	1.62299		2160826.19	88.7322	88.7322	101.4	0.01450	1.24	NO	
56 HxCB-153	359.841	1.000	37.96	37.97	1.54968		1834693.94	78.9041	78.9041	102.5	0.01518	1.24	NO	
57 HxCB-137	359.841	1.000	39.33	39.34	1.35366		1417090.63	69.7695	69.7695	102.5	0.01738	1.24	NO	
58 HxCB-138/163/164	359.841	1.000	39.87	39.90	1.40848		5478496.00	259.2318	259.2318	102.5	0.01670	1.26	NO	
59 Total F3 HxCB	359.841	1.000			0.00	1.48370		2673.7972	2673.7972	100.0	0.01596		NO	
60 HxCB-128	359.841	1.000	41.82	41.82	1.25831		1338179.13	70.8769	70.8769	102.9	0.04580	1.42	NO	
61 HxCB-167	359.841	1.000	41.90	41.87	1.34796		1659150.94	71.7388	71.7388	102.9	0.03818	1.08	NO	
62 13C-HxCB-156	371.882	1.000	43.45	43.44	0.78510		1364232.75	102.9140	102.9140	102.9	0.05505	1.29	NO	
63 HxCB-156	359.841	1.000	43.48	43.47	1.68840		1803329.50	78.2908	78.2908	102.5	0.03726	1.23	NO	
64 13C-HxCB-157	371.882	1.000	43.83	43.82	0.83526		1446005.38	102.5319	102.5319	102.5	0.05175	1.29	NO	
65 HxCB-157	359.841	1.000	43.87	43.87	1.65965		1723649.81	71.8229	71.8229	100.3	0.03615	1.22	NO	
66 13C-HxCB-169	371.882	1.000	46.06	46.03	0.87128		1475827.50	100.3211	100.3211	100.3	0.04961	1.26	NO	

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M2\ndsource.qld

Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
 Printed: Monday, July 20, 2009 08:30:18 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

#	Name	Trace	Sample Size	RT	Pub RT	RRF	M	Abs-Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio	Fl.	Mod	Date	
67	HxCB-169	359.841	1.000	46.08	46.10	1.09632		1474839.81	50.9875	90.9875	103.5	0.05244	1.21		NO			
68	Total F4 HxCB	359.841	1.000			1.41053			488.7041	488.5157	103.5	0.04086			NO			
69																		
70	13C-HpCB-180	405.843	1.000	44.61	44.62	0.68403		1195299.69	103.4944	103.4944	103.5	0.03057	1.04		NO			
71	HpCB-188	393.803	1.000	37.49	37.43	2.10927		2055952.63	86.7949	86.7949	104.5	0.01247	1.04		NO			
72	HpCB-187/182	393.803	1.000	41.10	41.07	1.98689		3182206.38	142.6161	142.6161	104.5	0.01323	1.04		NO			
73	Total F3 HpCB	393.803	1.000			2.04808			721.4697	721.4697	104.5	0.01284			NO			
74	HpCB 130	393.803	1.000	41.64	41.63	1.30035		1268602.00	81.6184	81.6184	104.5	0.03695	1.04		NO			
75	13C-HpCB-170	405.843	1.000	46.62	46.63	0.54773		966535.94	104.5113	104.5113	104.5	0.03618	1.06		NO			
76	HpCB-170/190	393.803	1.000	46.65	46.63	1.61501		1170576.13	74.9906	74.9906	102.5	0.05931	1.03		NO			
77	13C-HpCB-189	405.843	1.000	48.50	48.50	0.69767		1207214.94	102.4822	102.4822	102.5	0.02997	1.04		NO			
78	HpCB-189	393.803	1.000	48.51	48.50	1.23073		1325001.06	89.1805	89.1805	102.5	0.05490	1.04		NO			
79	Total F4 HpCB	393.803	1.000			1.38203			1201.5434	1201.5434	102.5	0.05732			NO			
80																		
81	13C-OcCB-194	439.804	1.000	50.50	50.47	0.46585		834783.59	106.1312	106.1312	106.1	0.04697	0.93		NO			
82	OcCB-202	427.764	1.000	43.34	43.36	2.22473		2349975.38	126.5353	126.5353	106.1	0.02290	0.90		NO			
83	Total F4 OcCB	427.764	1.000			2.22473			1039.7336	1039.7336	106.1	0.02290			NO			
84	OcCB-195	427.764	1.000	49.42	49.44	1.81935		1630619.94	107.3650	107.3650	106.1	0.03213	0.87		NO			
85	OcCB-194	427.764	1.000	50.51	50.51	1.41719		1635629.06	138.2556	138.2556	106.1	0.04125	0.87		NO			
86	Total F5 OcCB	427.764	1.000			1.61827			399.2348	398.4886	106.1	0.03613			NO			
87																		
88	13C-NoCB-208	473.765	1.000	49.34	49.31	0.75959		1345912.38	104.9430	104.9430	104.9	0.02691	0.80		NO			
89	NoCB-208	461.724	1.000	49.35	49.37	1.06905		1901773.63	132.1730	132.1730	104.9	0.02490	0.78		NO			
90	NoCB-206	461.724	1.000	52.38	52.38	0.72050		1336170.25	137.7888	137.7888	104.9	0.03695	0.78		NO			
91	Total NoCB	461.724	1.000			0.89477			432.6373	432.6373	104.9	0.02975			NO			
92																		
93	13C-DecB-209	507.726	1.000	53.73	53.69	0.55323		1015487.63	108.7130	108.7130	108.7	0.02293	0.71		NO			
94	DecB-209	495.686	1.000	53.75	53.76	1.31861		1811907.25	135.3149	135.3149	108.7	0.01204	0.70		NO			
95																		
96	13C-MoCB-1	200.0795	1.000		12.21	1.30836						0.09669			NO			
97	13C-DiCB-4	234.041	1.000	14.97	15.28	0.74585						0.02462	0.24		YES			
98	13C-TrCB-19	268.002	1.000		18.89	0.84405		150.70	0.0070	0.0022	0.0	0.39468			NO			
99	13C-TeCB-54	301.963	1.000		22.49	1.28400						0.02712			NO			
100	13C-PeCB-111	335.924	1.000		33.65	1.30475						0.04457			NO			

Dataset: C:\MassLynx\Default\pro\CA0716200910D51668M2\ndsource.qld

Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
 Printed: Monday, July 20, 2009 08:30:18 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

#	Name	Trace	Sample Size	RT	Ptd RT	RRF	M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio	FI	Mod	Date
1.	13C-HXCB-138	371 882	1,000	39.87	39.81	1.04381		1553677 13	99 2014	99 2014	99.2	0 01955	1 29		NO		
1.	Function 1 PFK	218.986	1,000														
1.	Function 2 PFK	330.979	1,000														
1.	Function 3 PFK	380.976	1,000														
1.	Function 4 PFK	380.976	1,000														
1.	Function 5 PFK	480.970	1,000														



Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M2ndsource.qld

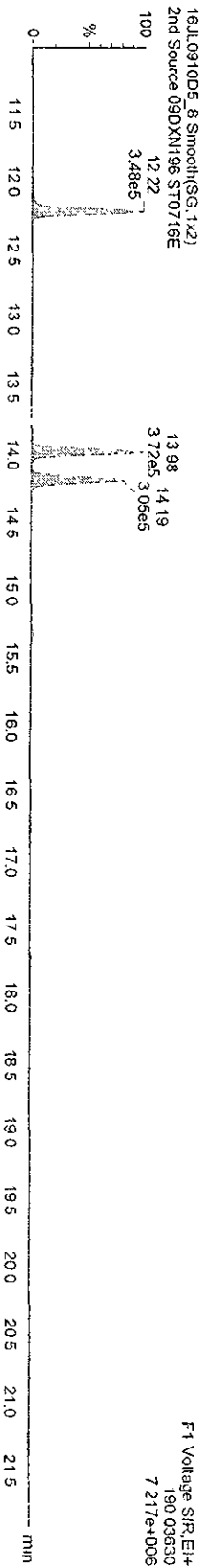
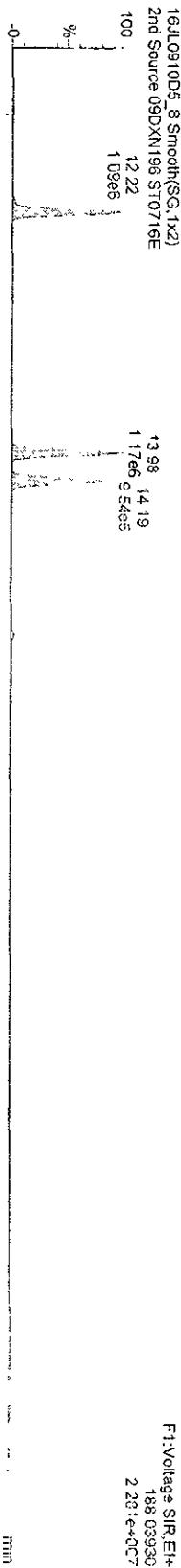
Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time

Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

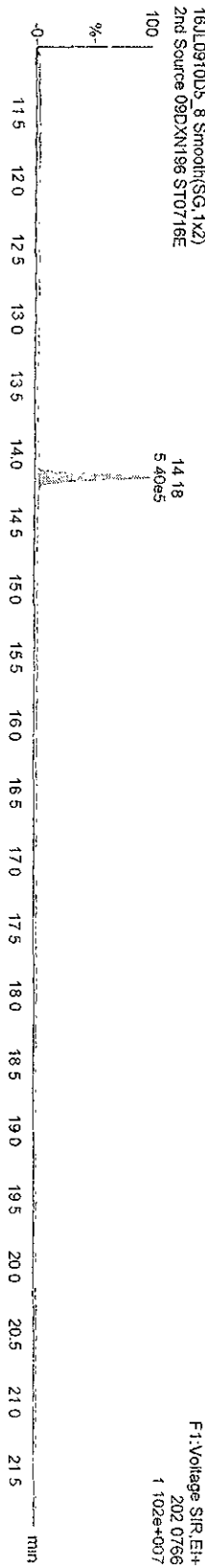
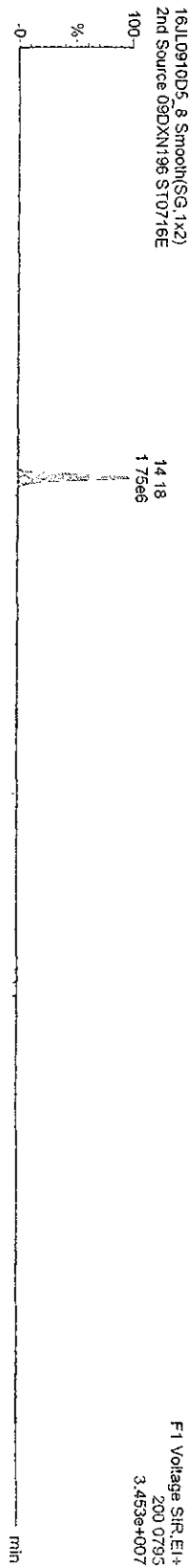
Method: C:\MassLynx\Default\PRO\imethDB\1668M10DB5.mdb 16 Jul 2009 17:05:33  
Calibration: C:\MassLynx\Default\PRO\CurveDB\CA0716200910D51668M.cdb 16 Jul 2009 17:29:50

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

**MOCBS**



**13C-MOCBS**



Dataset: C:\MassLynx\Default\proj\CA0716200910D51668M2\ndsource.qld

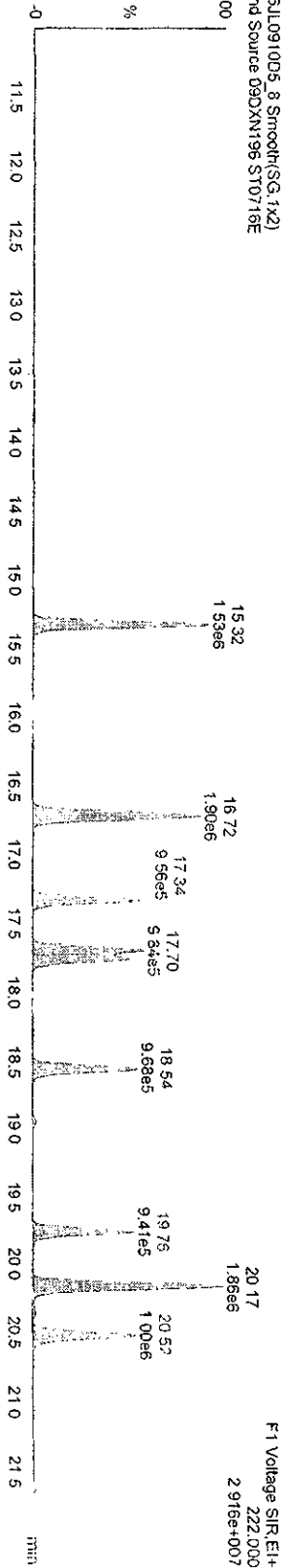
Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time

Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

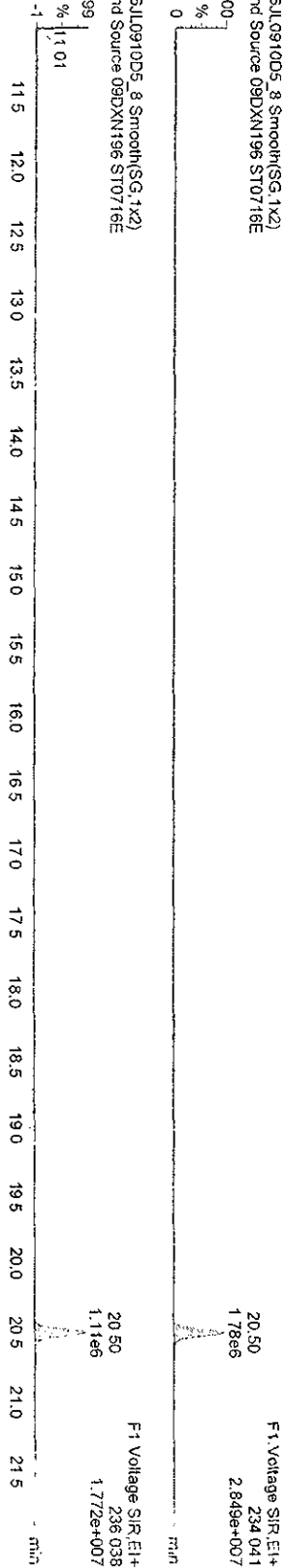
DICBS

16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E



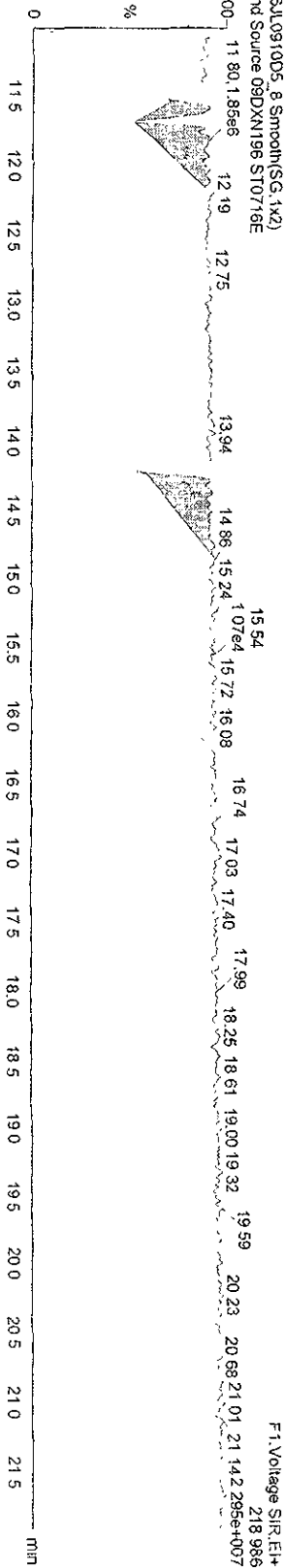
13C-DICBS

16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E



Function 1 PFK

16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E



Dataset: C:\MassLynx\Default\pro1\CA0716200910D51668M2\ndsource.qld

Last Altered Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
 Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

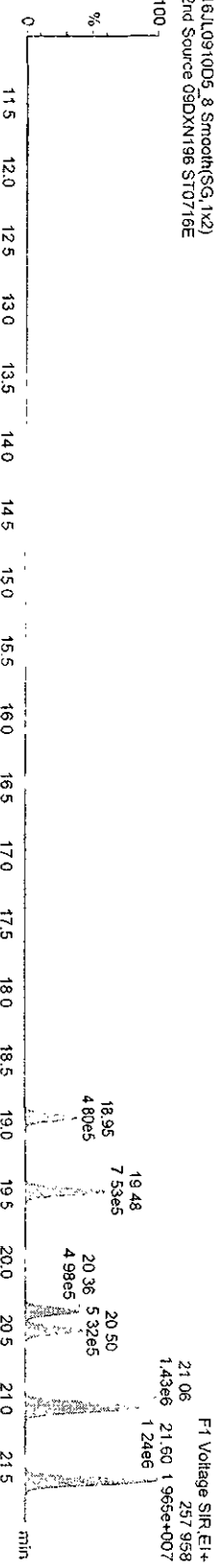
Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

**TrCS**

16JL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E

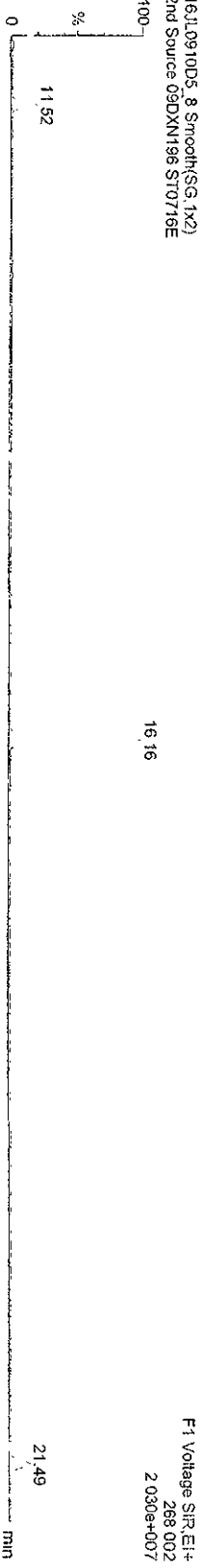


16JL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E

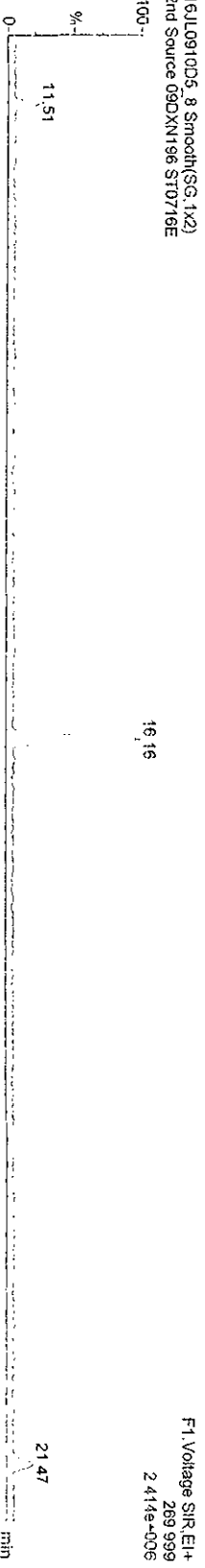


**13C-TrCS**

16JL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E



16JL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E



Dataset: C:\MassLynx\Default.pro\CA0716200910D51668M2ndsource.qld

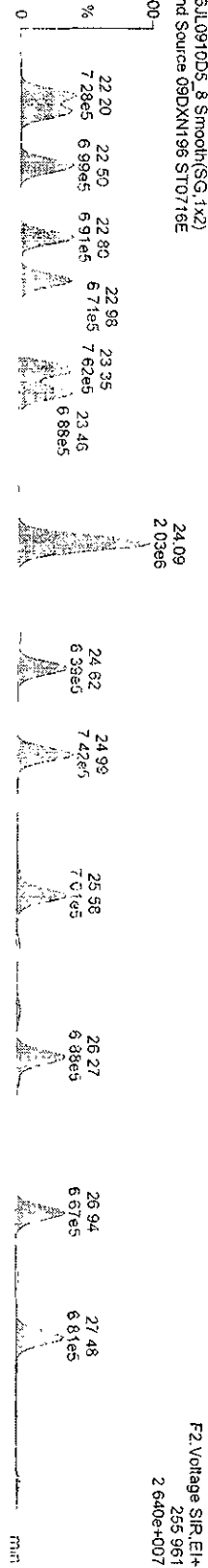
Last Altered Monday, July 20, 2009 08:25:15 Pacific Daylight Time

Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

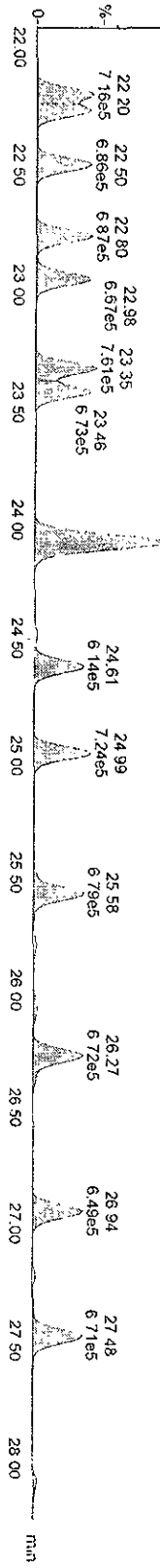
Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

13C-TICBS

16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E



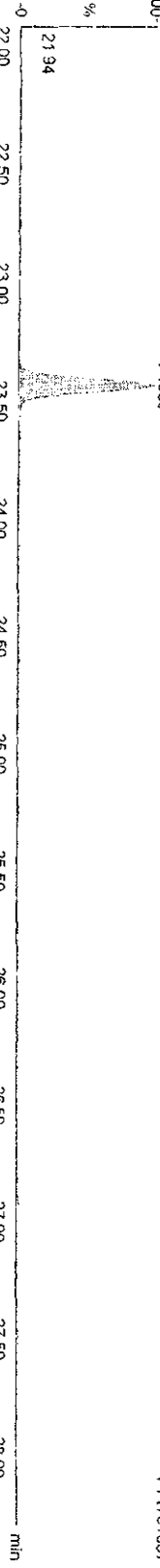
16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E



16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E



16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E

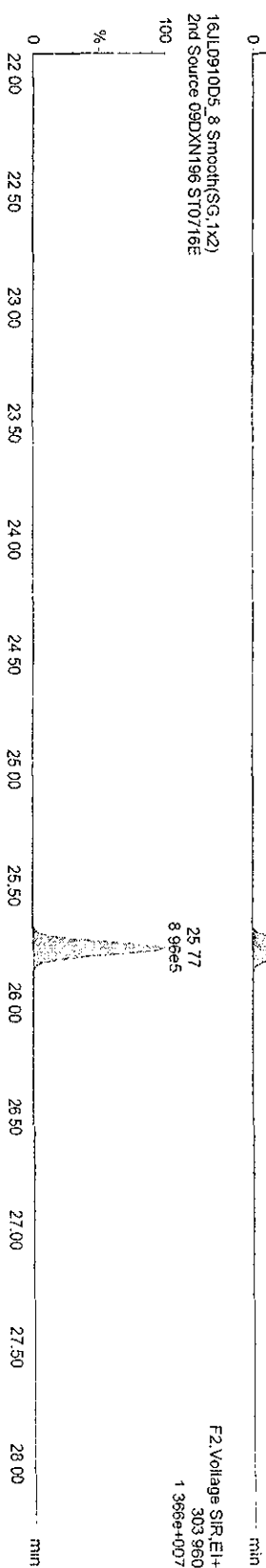
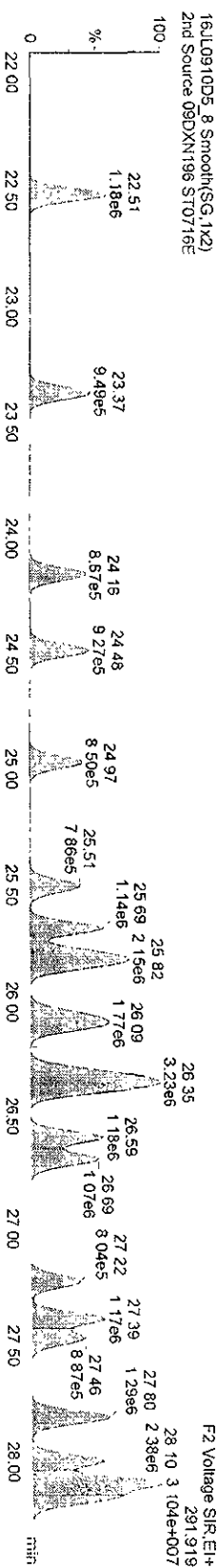
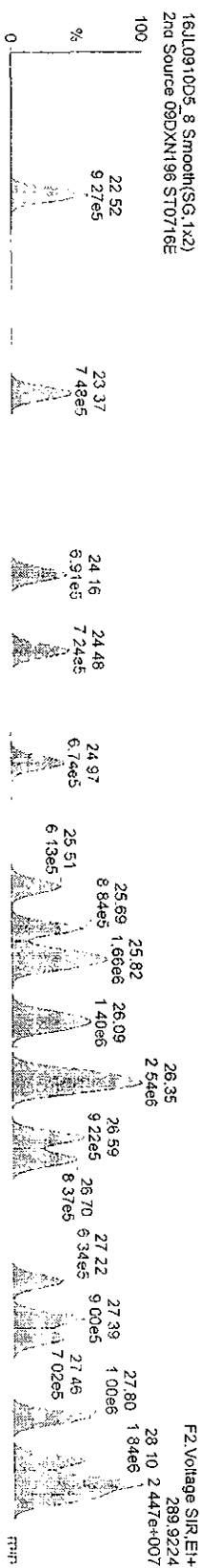


Dataset: C:\MassLynx\Default\prot\CA0716200910D51668M2\ndsource.qtd

Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

TeCBs



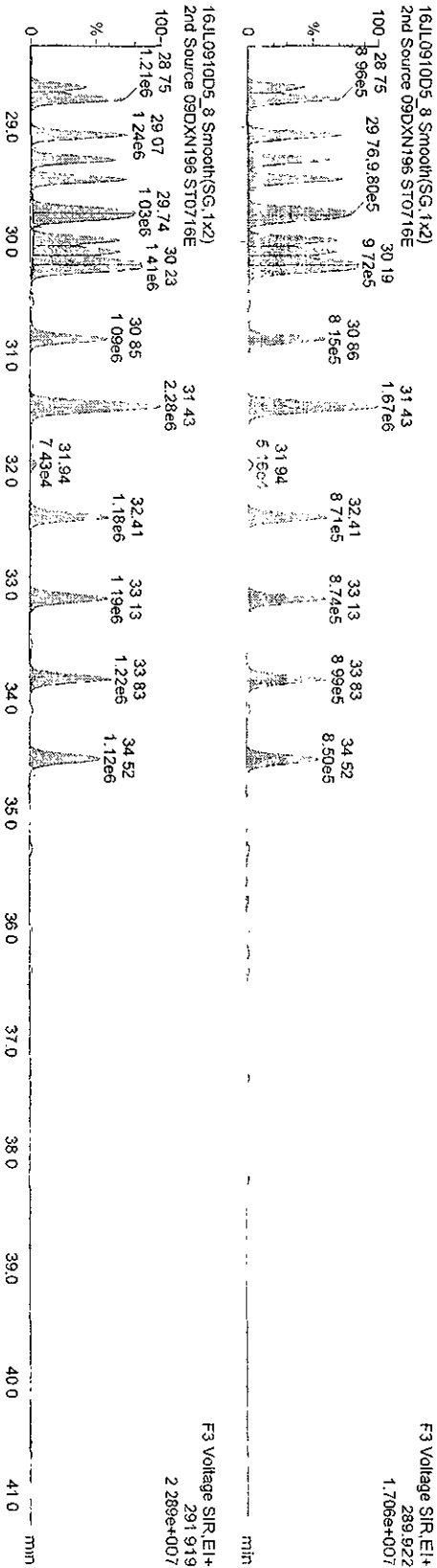
Dataset C:\MassLynx\Default\pro1\CA0716200910D51668M2\ndsource.qld

Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time

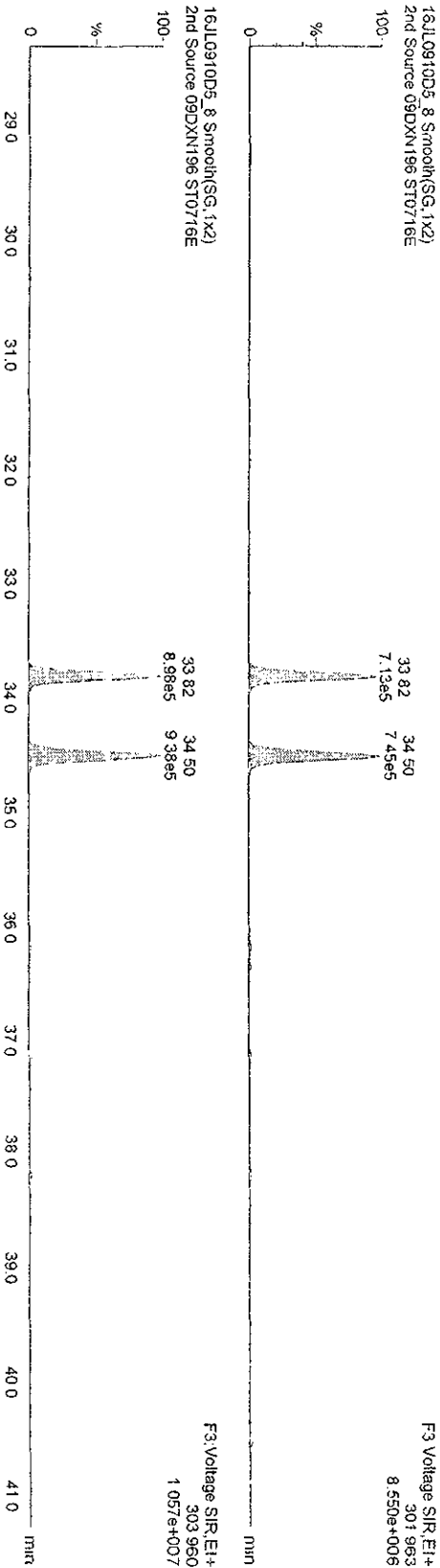
Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

TcCBs



13C-TcCBs



Dataset C:\MassLynx\Default.pro\CA0716200910D51668M2\ndsource.qld

Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
 Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

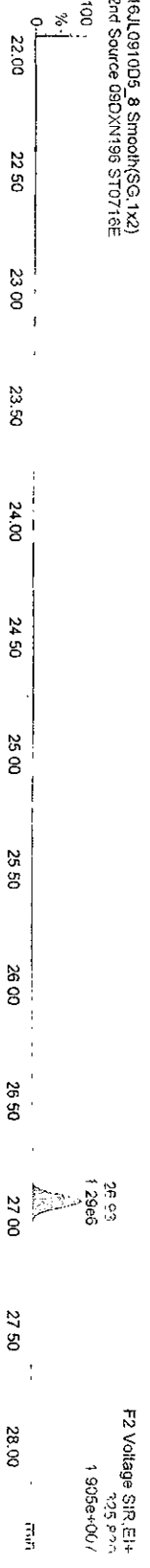
Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

**PeCBS**

16JUL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E

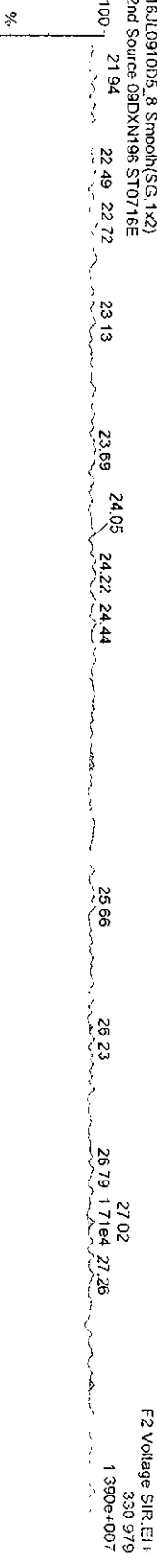


16JUL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E



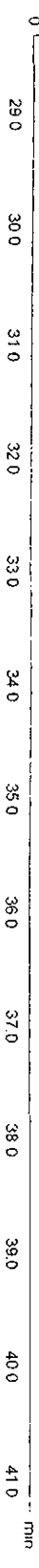
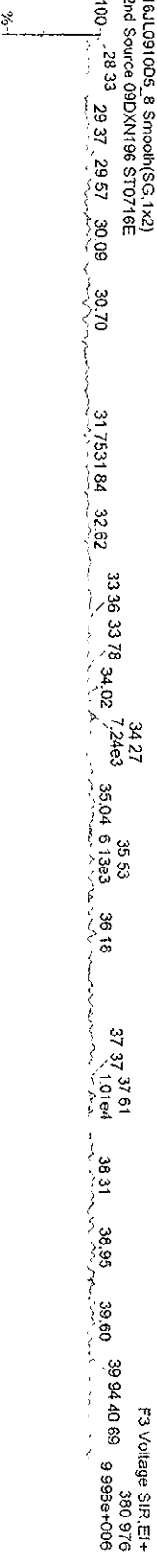
**Function 2 PFK**

16JUL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E



**Function 3 PFK**

16JUL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E

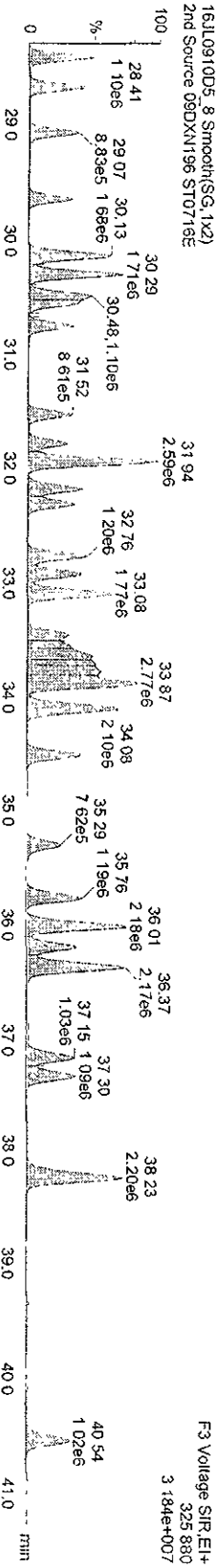
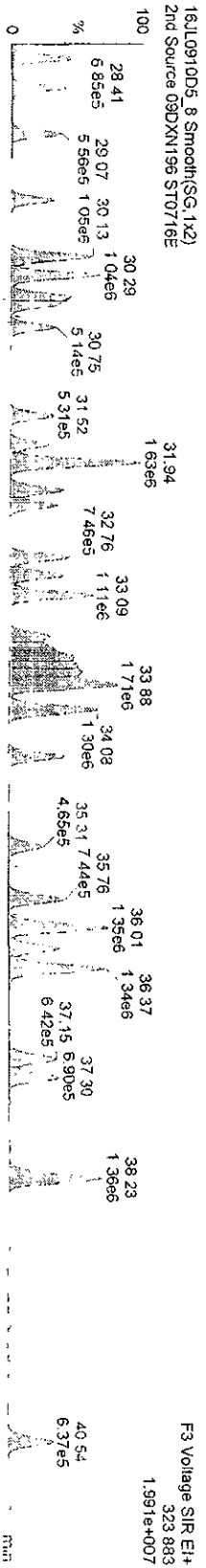


Dataset C:\MassLynx\Default\prof\CA0716200910D51668M2ndsource.qid

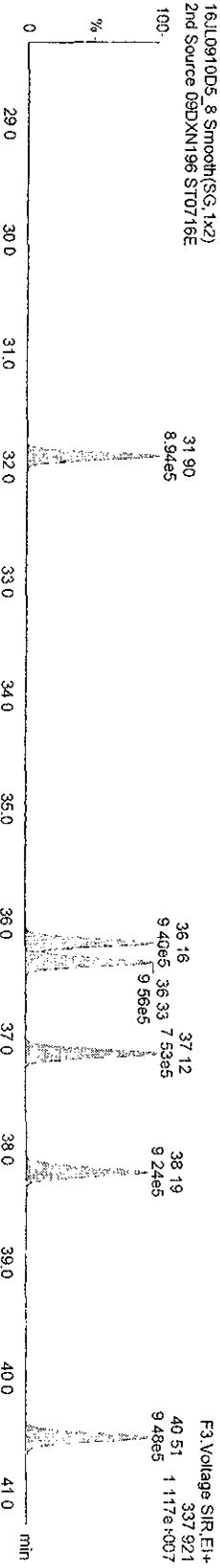
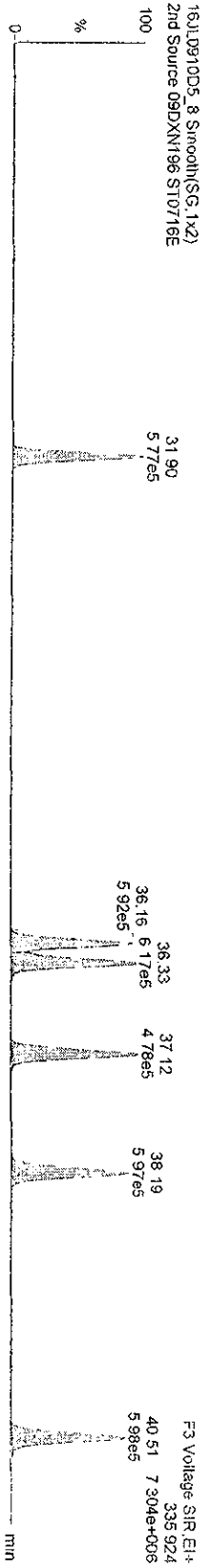
Last Altered Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
Printed Monday, July 20, 2009 08:30:38 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

PeCBs



13C-PeCBs



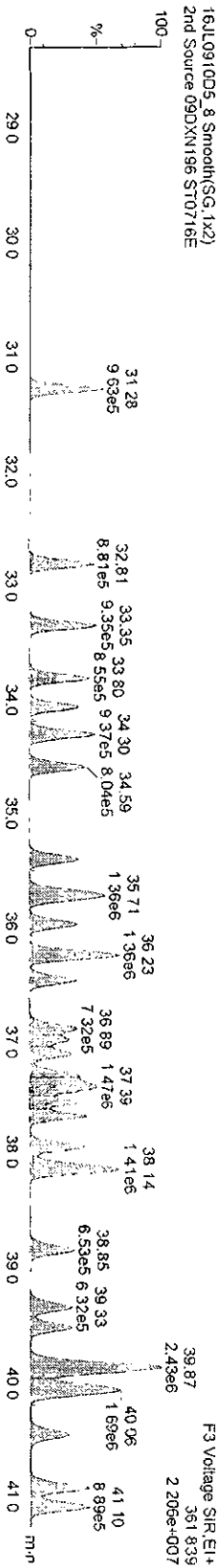
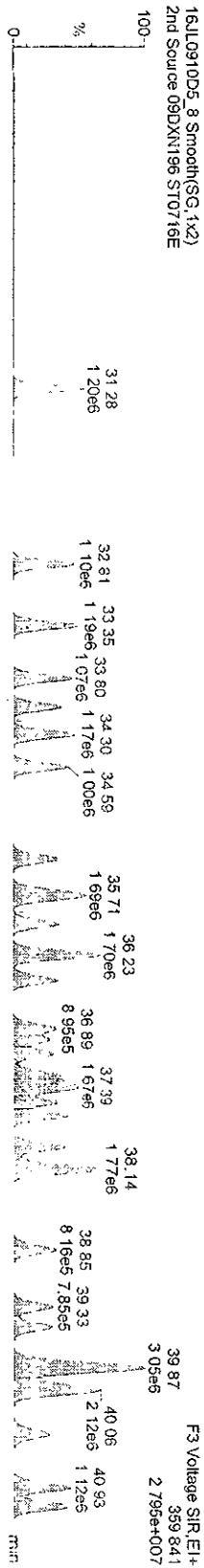


Dataset: C:\MassLynx\Default\pro\ICA0716200910D51668M\2ndsource.qld

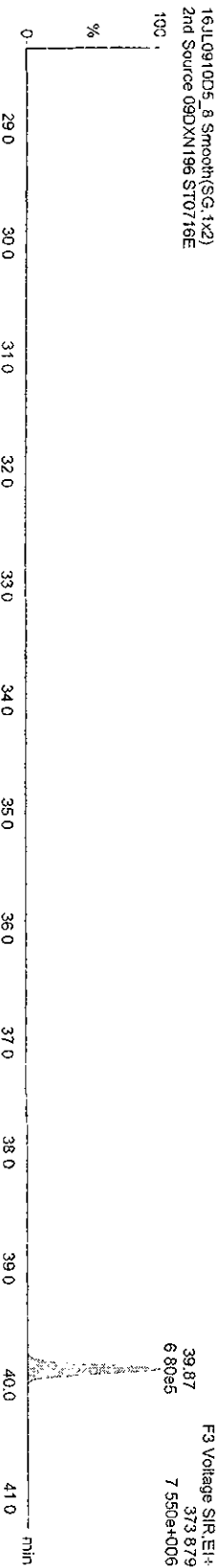
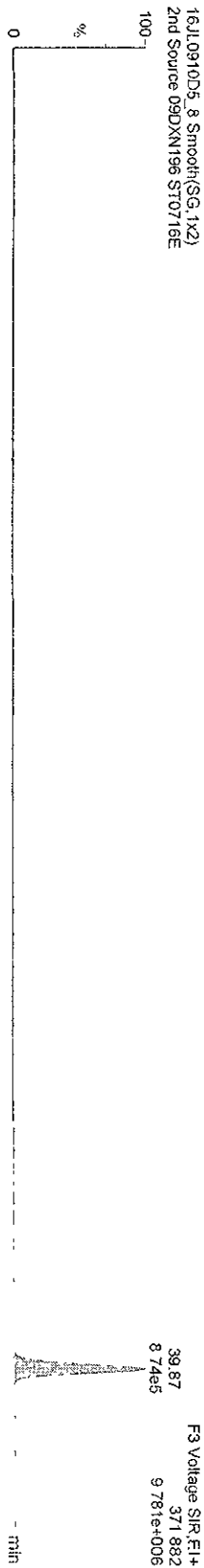
Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
 Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

HxCBs



13C-HxCBs



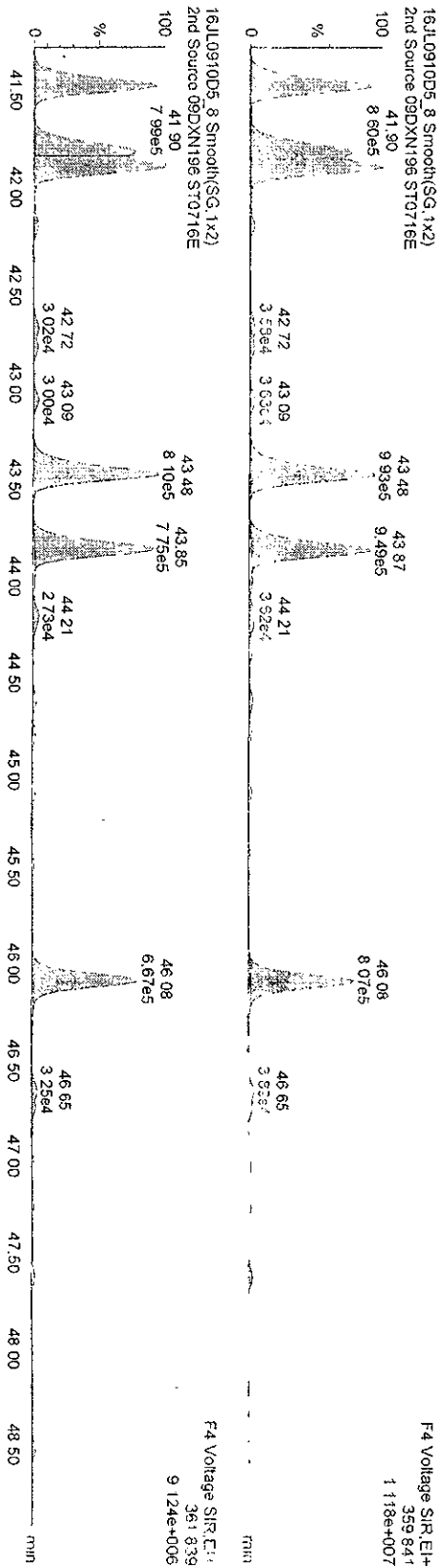
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\proj\CA0716200910D51668M2\ndsource.qtd

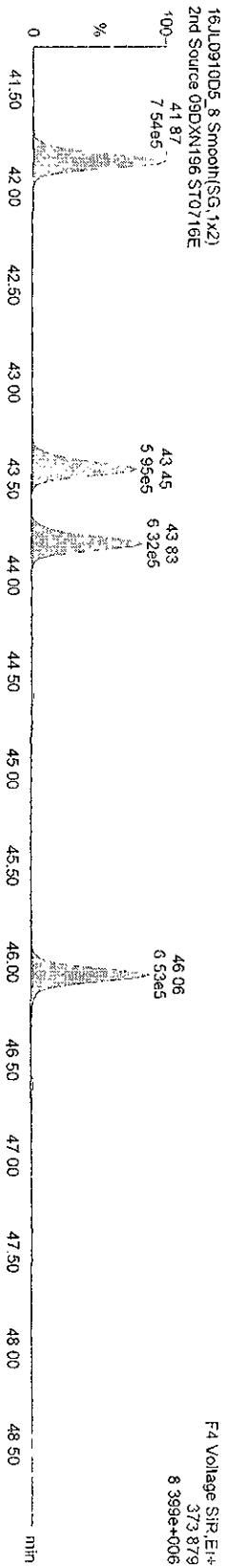
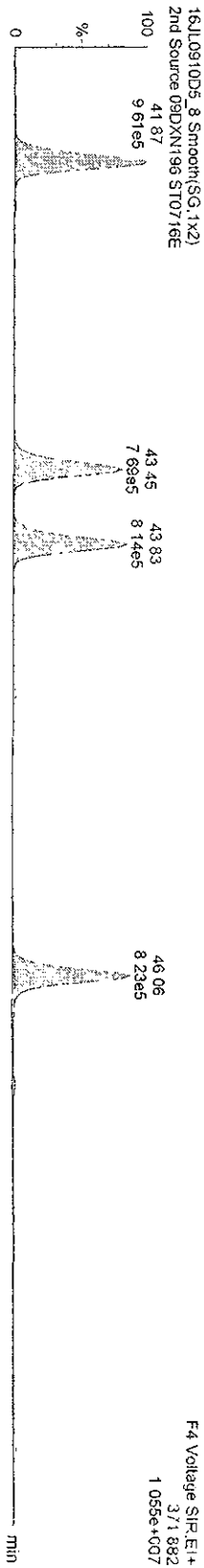
Last Altered Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
 Printed Monday, July 20, 2009 08:30:38 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:35, ID: ST0716E, Description: 2nd Source 09DXN196

HXCBS



13C-HXCBS



Dataset: C:\Masslynx\Default\proj\CA07162\00910D51668M\2ndsource.qld

Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
 Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

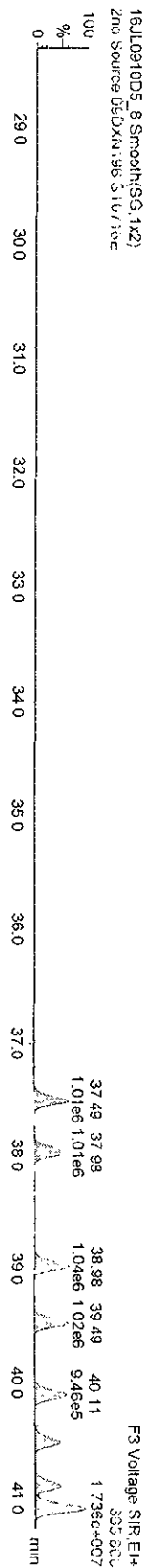
Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

**HPCBs**

16JL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E



16JL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E



**Function 4 PFK**

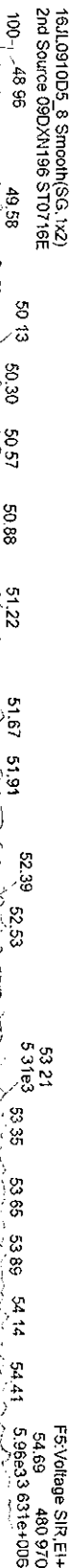
16JL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E



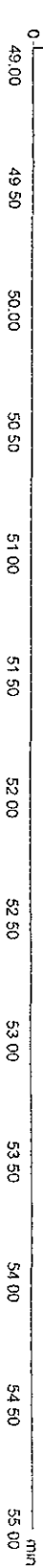
F4 Voltage SIR.EI+  
 380 976

**Function 5 PFK**

16JL0910D5\_8 Smooth(SG, 1x2)  
 2nd Source 09DXN196 ST0716E



F5 Voltage SIR.EI+  
 480 970

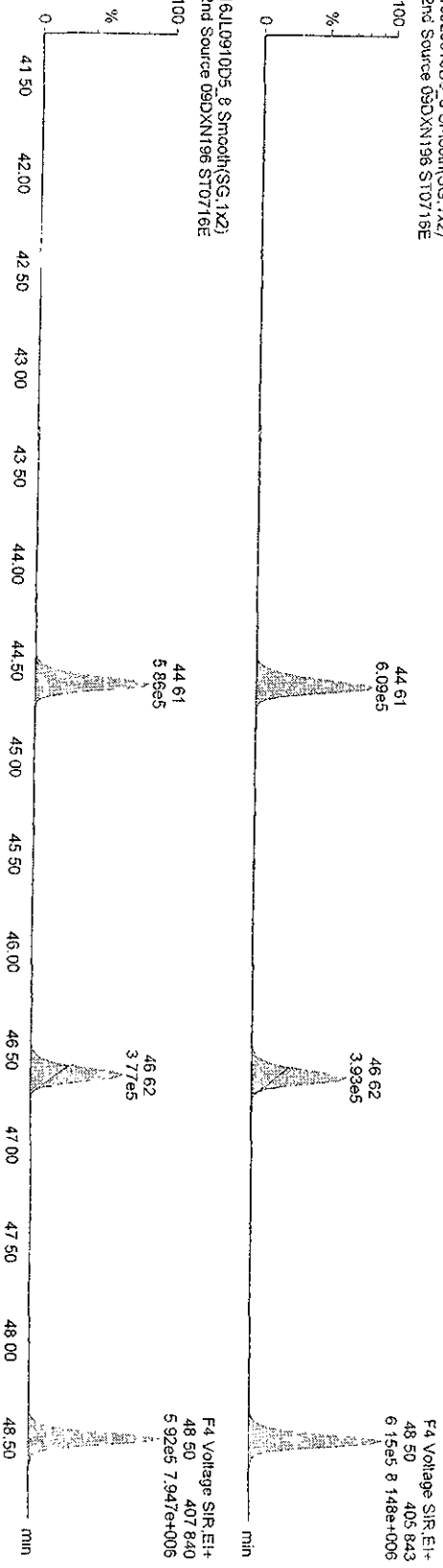
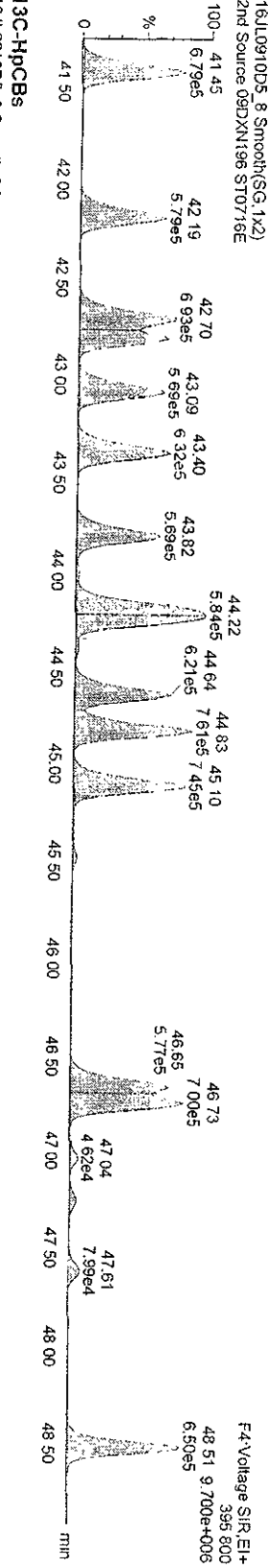
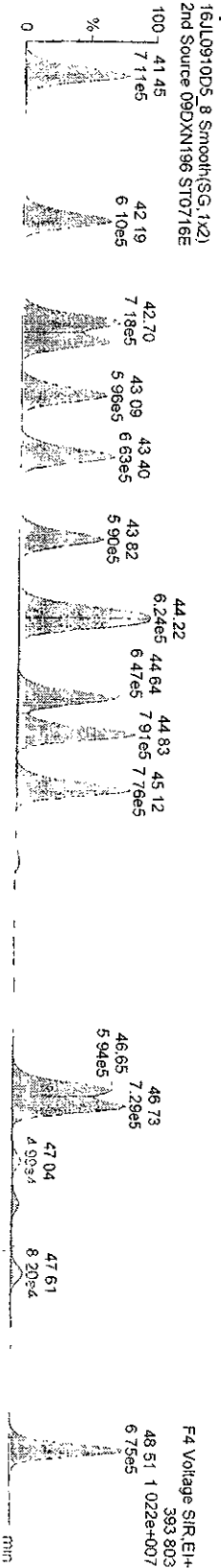


Dataset: C:\MassLynx\Default\proj\CA07162\200910D51668M2\2ndsource.qld

Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

HPCBs

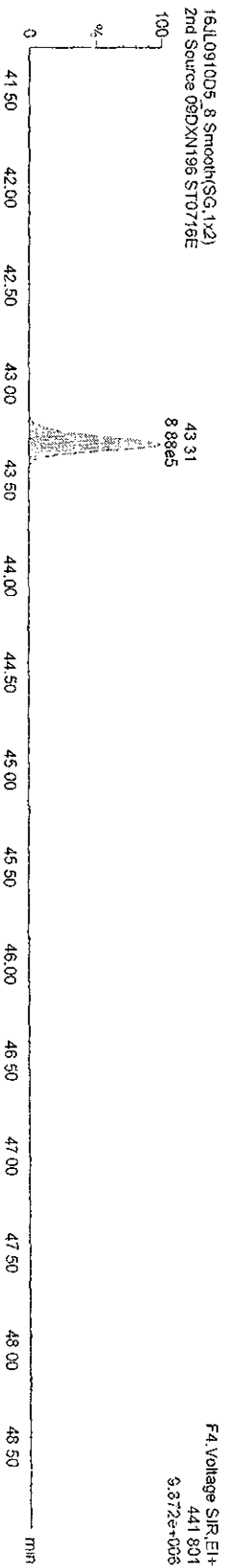
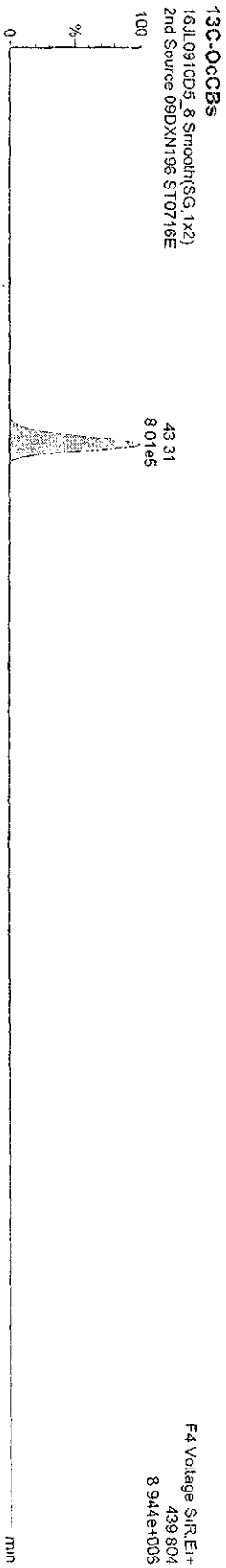
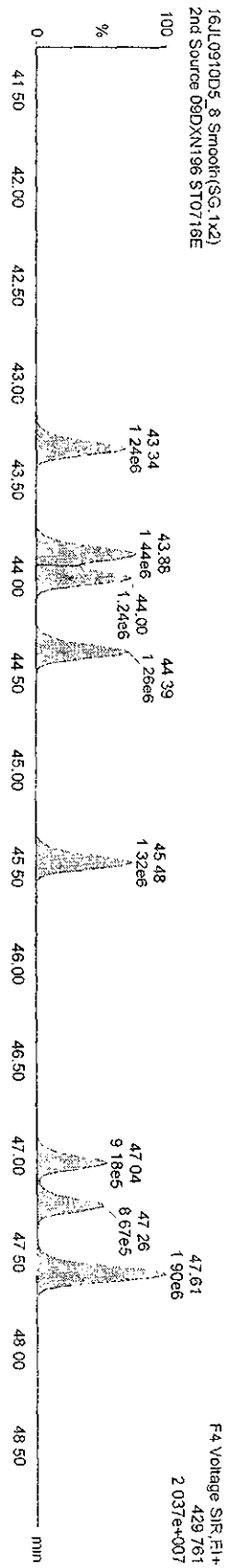
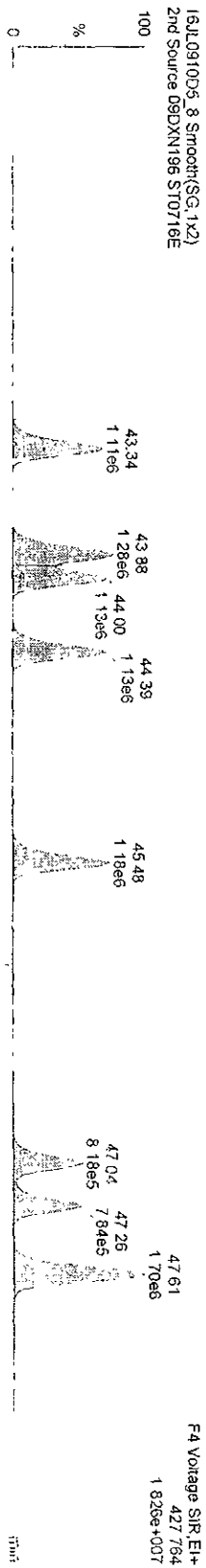


Dataset C:\MassLynx\Default\prol\CA0716200910D51668M2\2ndsource.qid

Last Altered Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

OcCBs

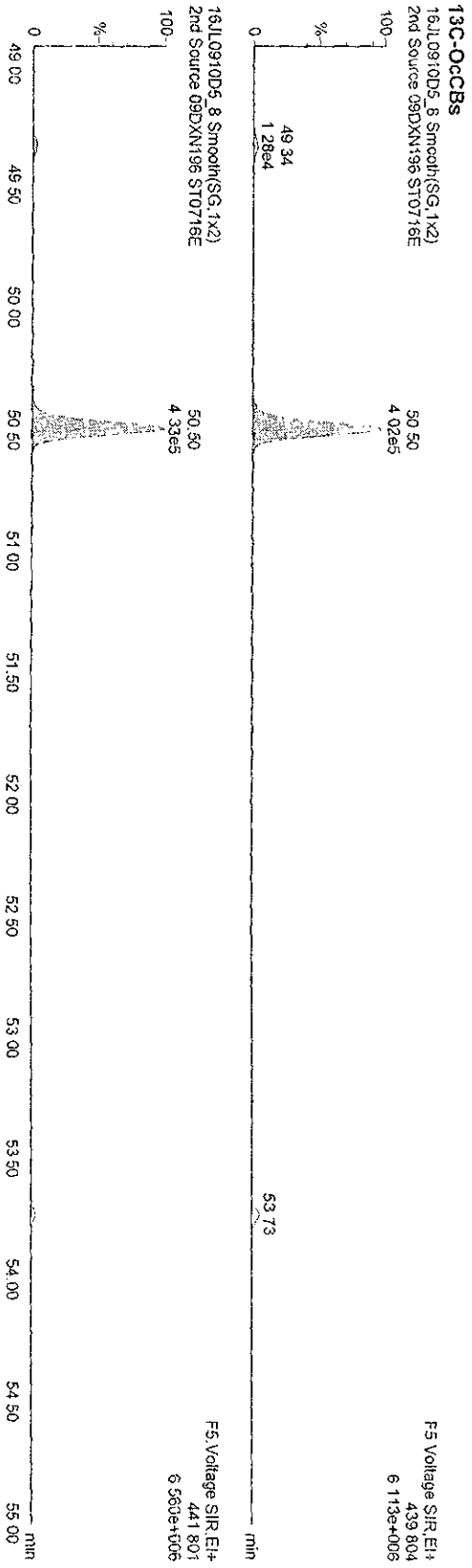
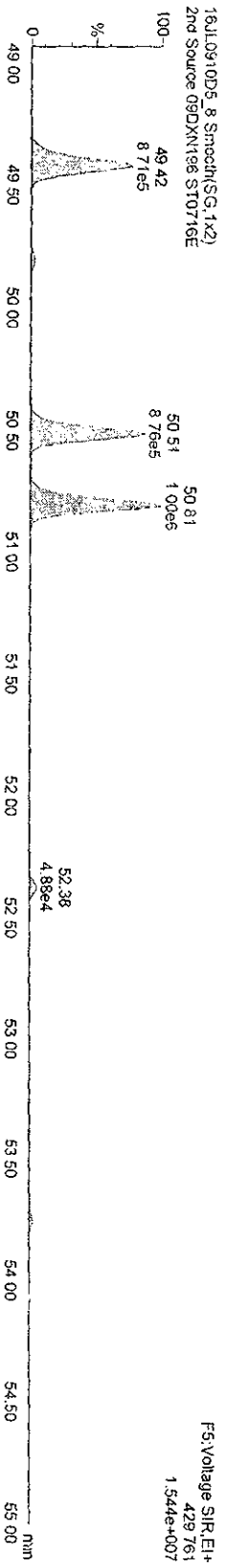
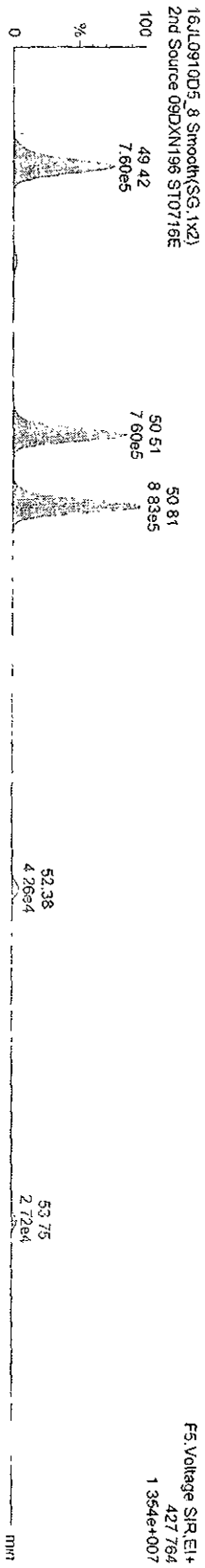


Dataset C:\MassLynx\Default\proj\CA0716200910D51668M2\ndsource.qld

Last Altered Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
Printed Monday, July 20, 2009 08:30:38 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

OCCBS

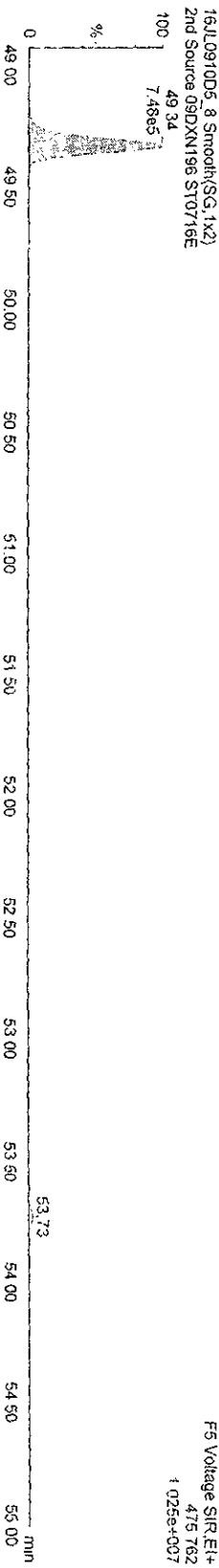
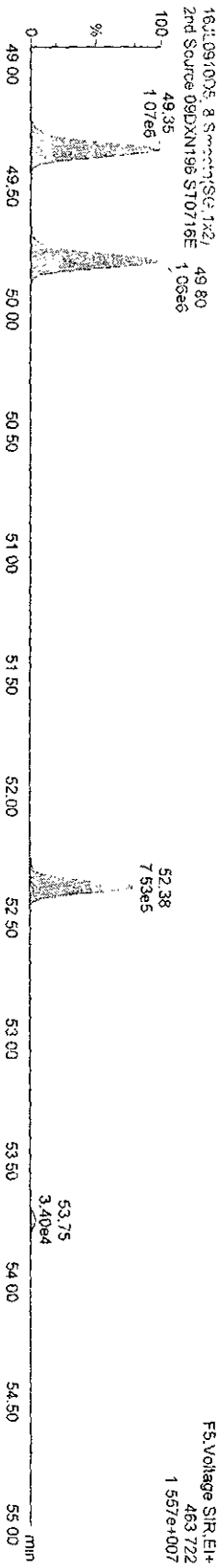
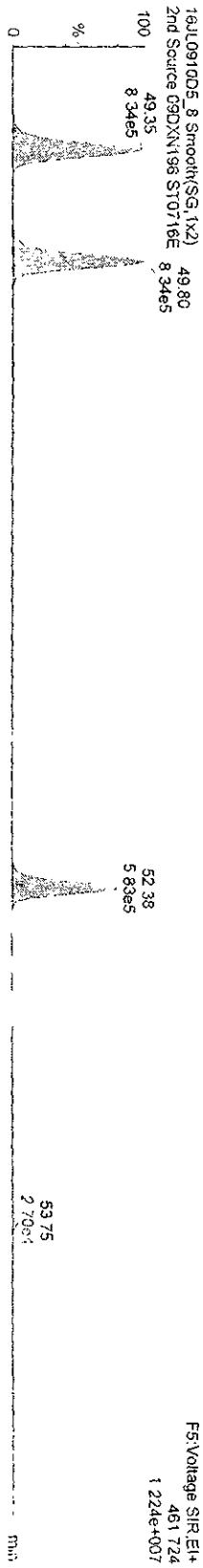


Dataset: C:\Masslynx\Default\proj\CA0716200910D51668M2\ndsource.qld

Last Altered: Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
Printed: Monday, July 20, 2009 08:30:38 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

NoCBs



Dataset C:\MassLynx\Default\prol\CA0716200910D51668M2ndsource.qld

Last Altered Monday, July 20, 2009 08:25:15 Pacific Daylight Time  
Printed Monday, July 20, 2009 08:30:38 Pacific Daylight Time

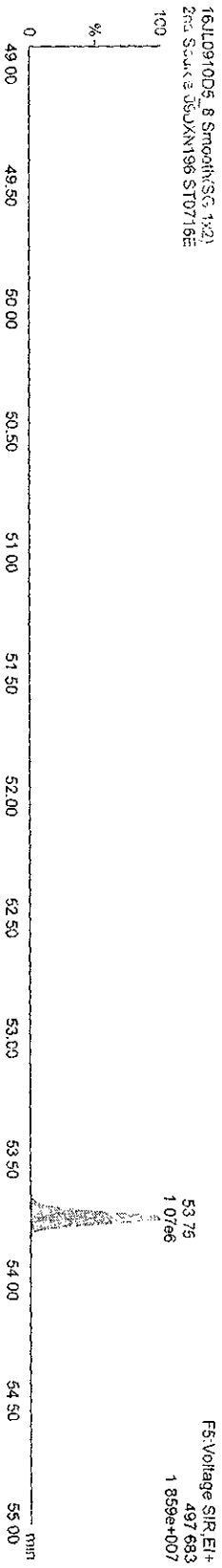
Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

DEC8-209

16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E

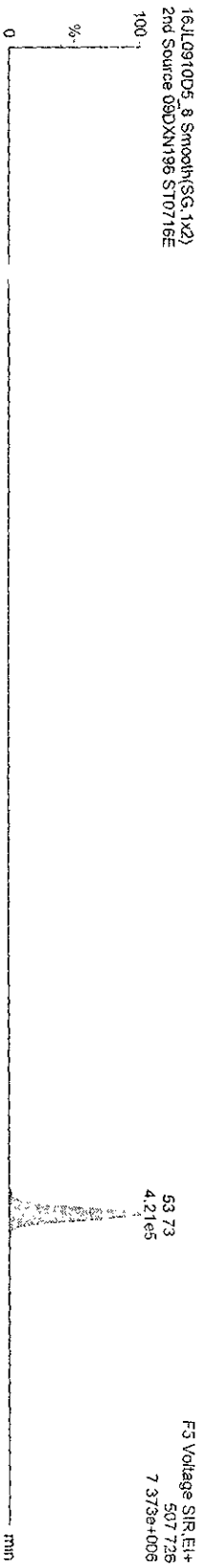


16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E

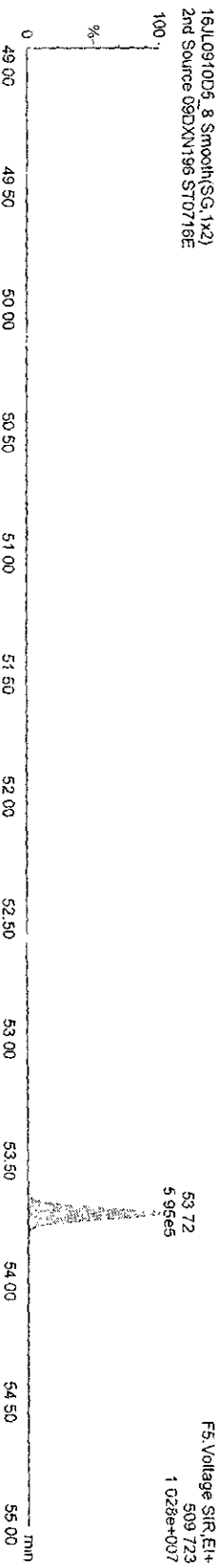


13C-DEC8-209

16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E



16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E





**Sample Extraction/Preparation Log**  
**Copies and Checklists**

Wenck Assoc.

TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: WM Lot Number: G9G290227 Date: 7/30/09  
 Test: 1668 PCB Batch Number: 9213049 SOP Reference Number: SAC-JD-0013  
 Extraction: 1. Soxhlet On: 16:00 Off: 8:00 2. Soxhlet On: NA Off: NA

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or uL) (circle one)	Final Conc'n
- MB	pufl/lead	07/30/09	7/30/09		20.0	
- LCS					20.0	
G9G290227-1					20.0	
- 2				8-4-09	20.0	
- 3					20.0	8-4-09
- 4					20.0	
- 5					20.0	

All Samples/ Internal Standard (IS) addition: Standard Name: 1668 daily IS EXP: 12/16/09  
 Spike ID Number: 09DXN383 Volume: 200 uL Conc: 20 PS/ul  
 Spiked By: CR Witnessed By: TP Date: 7/30/09

LCS/L-STD: Standard Name: 1668 PCB native Spike  
 Spike ID Number: 09DXN186 Volume: 200 uL Conc: 20 PS/ul  
 Spiked By: CR Witnessed By: TP Date: 7/30/09

Pre-spike samples: MB only Standard Name: 1668 PCB pre-spike Surr  
 Spike ID Number: 09DXN027-08 Volume: 40 uL Conc: 100 PS/ul  
 Spiked By: CR Witnessed By: TP Date: 7/30/09

All Samples /Recovery Standard: Standard Name: Daily R2  
 Spike ID Number: 09DXN094 Volume: 20 uL Conc: 100 PS/ul  
 Spiked By: CR Witnessed By: TP Date: 8-4-09

Spill/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
T.L 08/04/09			T.L 08/04/09	

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
DCM	JT Baker	NA	20% DCM:Hexane	NA	NA
Toluene	JT Baker	H13 NS0	65% DCM:Hexane	NA	NA
Hexane	JT Baker	657E 20	Silica Gel	Whatman	22-22
H2SO4	JT Baker	NA	Acid Alumina	NA	NA

Comments: \_\_\_\_\_

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 8/19/09  
Time: 17:56:17

LEV 1	Blank	LEV 1	Weights/Volumes
2	Check	2	Spike & Surrogate Worksheet
	MS/MSD		Vial contains correct Volume
			Labels, greenbars, worksheets
			computer batch: correct & all match
			Anomalies to Extraction Method

\*\*\*\*\*  
 \* QC BATCH: 9213049 \*  
 \*  
 \*\*\*\*\*  
 Expanded Deliverable  
 COC Completed  
 Bench Sheet Copied  
 Package Submitted to AnalyticalGroup  
 Bench Sheet Copied per COC

Reviewer/Date: / 0/00/00

PCBS, HRGC/HRMS (1658)  
SOXHLET (NONE, Na2SO4)

PREP DATE: 7/30/09 16:00  
COMP DATE: 8/04/09 12:00

EXTR EXPR	ANL DUE	LOT#, MSRUN# / WORK ORDER	TEST FIGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S INT ADJ1 ADJ2	EXTRACTION VOL	SOLVENTS VOL EXCHANGE	YOI	SPIKE STANDARD / SURROGATE ID			
7/04/10	8/19/09	G9G290227-001		D	11 Q8	AIR	1	10.00uL	NA	NA	NA	.0	.0	.0
COMMENTS: G9G290227-001														
7/04/10	8/19/09	G9G290227-002		D	11 Q8	AIR	1	10.00uL	NA	NA	NA	.0	.0	.0
COMMENTS: G9G290227-002														
7/04/10	8/19/09	G9G290227-003		D	11 Q8	AIR	1	10.00uL	NA	NA	NA	.0	.0	.0
COMMENTS: G9G290227-003														
7/04/10	8/19/09	G9G290227-004		D	11 Q8	AIR	1	10.00uL	NA	NA	NA	.0	.0	.0
COMMENTS: G9G290227-004														
7/04/10	8/19/09	G9G290227-005		D	11 Q8	AIR	1	10.00uL	NA	NA	NA	.0	.0	.0
COMMENTS: G9G290227-005														
7/04/10	0/00/00	G9H010000-049			11 Q8	AIR	1	10.00uL	NA	NA	NA	.0	.0	.0
COMMENTS: G9H010000-049														
7/04/10	0/00/00	IHERK-1-AA			11 Q8	AIR	1	10.00uL	NA	NA	NA	.0	.0	.0
COMMENTS: IHERK-1-AA														
7/04/10	0/00/00	IHERK-1-AAB			11 Q8	AIR	1	10.00uL	NA	NA	NA	.0	.0	.0
COMMENTS: IHERK-1-AAB														
7/04/10	0/00/00	IHERK-1-ACC			11 Q8	AIR	1	10.00uL	NA	NA	NA	.0	.0	.0
COMMENTS: IHERK-1-ACC														

R = RUSH C = CLP  
E = EPA 600 D = EXP.DEL) NUMBER OF WORK ORDERS IN BATCH: 7

‡ = CLIENT REQ MS/MSD

## Preparation Data Review Checklist

Prep Batch(es) 921 3049 Test: PCBs 11668  
 Prep Date: 7/30/09 Holding Times: 7/4/10 NCM: Y N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
B. Weights and Volumes		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
C. Standards and Reagents		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
D. Documentation		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: TP Date: 7/30/09  
 2<sup>nd</sup> Level Reviewer: MA Date: 8/4/09

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Data Checklist**  
**HRGCMS/LRGCMS Analyses**

Lot ID #: G9G290227 Method ID: 16685  
 Sample # \_\_\_\_\_

	<u>DB-5</u>	<u>DB-225</u>
Data Analyst:	<u>AK</u>	_____
Date initiated:	<u>8/19/09</u>	_____
Reviewer:	<u>JCS</u>	_____
Date reviewed:	<u>08/19/09</u>	_____

QA/QC verification:	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Daily standard package(s) present?	<u>/</u>	<u>/</u>	_____	_____
-Method Blank present?	<u>/</u>	<u>/</u>	_____	_____
-LCS/DCS copy present and meets native recovery criteria?	<u>/</u>	<u>/</u>	_____	_____
-Internal standard recoveries within limits?*	<u>/</u>	<u>/</u>	_____	_____
-Ion ratios within + 15% of theoretical values?	<u>/</u>	<u>/</u>	_____	_____
-Other QC (Dup,MS,SD) within specs?*	<u>N/A</u>	<u>N/A</u>	_____	_____

Sample Analysis:	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Correct sample aliquot used?	<u>/</u>	<u>/</u>	_____	_____
-All raw data present?	<u>/</u>	<u>/</u>	_____	_____
-Standard target DL's used? If RL's are used specify: _____	<u>/</u>	<u>/</u>	_____	_____
-DL's below TDL / LCL (please circle)?	<u>/</u> <u>⓪</u>	<u>/</u>	_____	_____
-All positives reported at levels greater than method blank DL's?	<u>/</u>	<u>/</u>	_____	_____
-Correct RRF's used for method?	<u>/</u>	<u>/</u>	_____	_____
-Internal standard amounts correct for method?	<u>/</u>	<u>/</u>	_____	_____
-Target analytes are not saturated?	<u>/</u>	<u>/</u>	_____	_____
-Dilution/splitting of extract taken into account?	<u>N/A</u>	<u>N/A</u>	_____	_____
-Have dilution calculations been verified?	<u>N/A</u>	<u>N/A</u>	_____	_____
-Has a manual calculation for the sequence(s) been verified?	<u>/</u>	<u>/</u>	_____	_____
-Are retention times (RT) correct?	<u>/</u>	<u>/</u>	_____	_____
-Manual integrations checked?	<u>N/A</u>	<u>N/A</u>	_____	_____

Comments: (Use other side if necessary)

See NCM

\* Recovery limits:

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%***(C14-C16), 25-130%(C17-8), 70-130%(surr)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614	25-150%***

\*\*RPD limits:

50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

September 30, 2009

**TestAmerica Project Number: G9I030266**  
PO/Contract: 0742-812 (Phase 5)

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on September 3, 2009. These samples are associated with your KHF project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

## Table of Contents

# TestAmerica West Sacramento Project Number G9I030266

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 1668, WHO PCB congeners

Samples: 6, 7

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

SOLID, D 2216-90, %Moisture

Samples: 6, 7

Sample Data Sheets

Laboratory QC Reports

Full Raw Data Package



## Case Narrative

### TestAmerica West Sacramento Project Number G9I030266

#### **SOLID, 1668, WHO PCB congeners**

Sample(s): 7

The PCB 77 detection limit has been elevated for this sample due to matrix interferences. This elevated detection limit have been flagged with a "G" qualifier and may be considered a maximum possible concentration.

Sample(s): 6, 7

These samples were homogenized in a blender.

#### **AIR, 1668, WHO PCB congeners**

Sample(s): 2, 3

The PCB 77 detection limits have been elevated for these samples due to matrix interferences. These elevated detection limits have been flagged with a "G" qualifier and may be considered maximum possible concentrations.

Sample(s): 1, 2, 3, 4

These samples have a high recovery for one or two internal standards. The samples were re-analyzed and the internal standard recoveries met acceptance criteria but the column performance solution mix did not meet acceptance criteria. Since the results were very similar between runs the original results have been reported.

There were no other anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G9I030266

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LKAF2	1	AUG09-UMS1-TO9A	8/8/2009	9/3/2009 09:30 AM
LKAGK	2	AUG09-DMS1-TO9A	8/8/2009	9/3/2009 09:30 AM
LKAGQ	3	AUG09-MSP-TO9A	8/8/2009	9/3/2009 09:30 AM
LKAGT	4	AUG09-FRESNO-TO9A	8/8/2009	9/3/2009 09:30 AM
LKAGV	5	AUG09-BLANK-TO9A-UMS1	8/8/2009	9/3/2009 09:30 AM
LKAGX	6	AUG09-FRESNO-VD-1668A	8/8/2009	9/3/2009 09:30 AM
LKAG2	7	AUG09-FRESNO-SOIL-1668A	8/8/2009	9/3/2009 09:30 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sampler ID \_\_\_\_\_  
 Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

Chain of Custody Record  
 TAL-4124-280 (0508)  
 Client \_\_\_\_\_

Project Manager: Pam Turk Date: 09/02/09 Chain of Custody Number: 108917  
 Telephone Number (Area Code)/Fax Number: (559) 386-6151 Lab Number: \_\_\_\_\_  
 Site Contact: STEVEN HOLMQUIST Lab Contact: KAREN DAHL  
 Carrier/Waybill Number: FED EX

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
<u>Aug 09 - UMSL-T09A</u>	<u>08/02/09</u>	<u>0001</u>	X			X									
<u>Aug 09 - UMSL-T09A</u>			X			X									
<u>Aug 09 - MSP-T09A</u>			X			X									
<u>Aug 09 - FRESNO-T09A</u>			X			X									
<u>Aug 09 - BLANK-T09A - UAS1</u>			X			X									
<u>X Aug 09 - FRESNO - VO - 1668A</u>															
<u>X Aug 09 - FRESNO - SOIL - 1668A</u>															

Contract/Purchase Order/Quote No: 565

Sample Disposal:  
 Return To Client  
 Disposal By Lab  
 Archive For \_\_\_\_\_ Months  
 (A fee may be assessed if samples are retained longer than 1 month)

Possible Hazard Identification:  
 Non-Hazard  
 Flammable  
 Skin Irritant  
 Poison B  
 Unknown  
 Return To Client  
 Other: STD

Turn Around Time Required:  
 24 Hours  
 48 Hours  
 7 Days  
 14 Days  
 21 Days  
 Other: STD

GC Requirements (Specify): \_\_\_\_\_

1. Relinquished By: STE E Holmquist Date: 09/02/09 Time: 1700  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: C Leng Date: 9/3/09 Time: 1000  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \_\_\_\_\_

CLIENT Wenck PM RD LOG # 100464  
LOT# (QUANTIMS ID) G9I030246 QUOTE# 21707 LOCATION W140 F-10A

DATE RECEIVED 9/3/09 TIME RECEIVED 0930 Initials EV Date 9/3/09

DELIVERED BY  FEDEX  CA OVERNIGHT  CLIENT  
 AIRBORNE  GOLDENSTATE  DHL  
 UPS  BAX GLOBAL  GO-GETTERS  
 TAL COURIER  VALLEY LOGISTICS  MORGAN HILL COURIER  
 OTHER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) 0154640

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER \_\_\_\_\_

COC #(S) 108917

TEMPERATURE BLANK Observed: 2 Corrected 2

SAMPLE TEMPERATURE

Observed: 3 4 Average: 4 Corrected Average 4

COLLECTOR'S NAME  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY \_\_\_\_\_

LABELS CHECKED BY \_\_\_\_\_

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)\*  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Notes \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C

Lot ID: \_\_\_\_\_

G9I030266

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 4/09 RKE

LEAVE NO SPACES BLANK USE "NA" IF NOT APPLICABLE.

# SOLID, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: AUG09-FRESNO-VD-1668A

Trace Level Organic Compounds

Lot-Sample #...: G9I030266-006    Work Order #...: LKAGX1AC    Matrix.....: SOLID  
 Date Sampled...: 08/08/09    Date Received...: 09/03/09  
 Prep Date.....: 09/25/09    Analysis Date...: 09/29/09  
 Prep Batch #...: 9268276  
 Dilution Factor: 1.14  
 % Moisture.....: 1.7

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	2.3	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.3	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>7.5 C</b>	<b>2.3</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	2.3	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>12 C</b>	<b>2.3</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	2.3	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.3	pg/g	EPA-14 1668
<b>PCB 156 (BZ)</b>	<b>3.0</b>	<b>2.3</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 157 (BZ)	ND	2.3	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.3	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.3	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.3	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	63	(25 - 150)
13C12-PCB 81	63	(25 - 150)
13C12-PCB 118	88	(25 - 150)
13C12-PCB 114	86	(25 - 150)
13C12-PCB 105	92	(25 - 150)
13C12-PCB 126	100	(25 - 150)
13C12-PCB 167	121	(25 - 150)
13C12-PCB 156	150	(25 - 150)
13C12-PCB 157	138	(25 - 150)
13C12-PCB 169	135	(25 - 150)
13C12-PCB 189	147	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.  
 C Co-eluting isomer.



Wenck Associates, Inc.

Client Sample ID: AUG09-FRESNO-SOIL-1668A

Trace Level Organic Compounds

Lot-Sample #...: G9I030266-007    Work Order #...: LKAG21AC    Matrix.....: SOLID  
 Date Sampled...: 08/08/09    Date Received...: 09/03/09  
 Prep Date.....: 09/25/09    Analysis Date...: 09/29/09  
 Prep Batch #...: 9268276  
 Dilution Factor: 0.95  
 % Moisture.....: 0.18

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	3.5	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	1.9	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>14 C</b>	<b>1.9</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1.9	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>22 C</b>	<b>1.9</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1.9	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	1.9	pg/g	EPA-14 1668
<b>PCB 156 (BZ)</b>	<b>4.4</b>	<b>1.9</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 157 (BZ)	ND	1.9	pg/g	EPA-14 1668
<b>PCB 167 (BZ)</b>	<b>3.1</b>	<b>1.9</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 169 (BZ)	ND	1.9	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	1.9	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	66	(25 - 150)
13C12-PCB 81	78	(25 - 150)
13C12-PCB 118	113	(25 - 150)
13C12-PCB 114	102	(25 - 150)
13C12-PCB 105	112	(25 - 150)
13C12-PCB 126	101	(25 - 150)
13C12-PCB 167	110	(25 - 150)
13C12-PCB 156	135	(25 - 150)
13C12-PCB 157	121	(25 - 150)
13C12-PCB 169	112	(25 - 150)
13C12-PCB 189	133	(25 - 150)

**NOTE(S) :**

- Results and reporting limits have been adjusted for dry weight.  
 G Elevated reporting limit. The reporting limit is elevated due to matrix interference.  
 C Co-eluting isomer.

# QC DATA ASSOCIATION SUMMARY

G9I030266

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9251180	
002	AIR	EPA-14 1668		9251180	
003	AIR	EPA-14 1668		9251180	
004	AIR	EPA-14 1668		9251180	
005	AIR	EPA-14 1668		9251180	
006	SOLID	ASTM D 2216-90		9265223	9265245
	SOLID	EPA-14 1668		9268276	
007	SOLID	ASTM D 2216-90		9265223	9265245
	SOLID	EPA-14 1668		9268276	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9I030266  
 MB Lot-Sample #: G9I250000-276

Work Order #...: LLGR41AA

Matrix.....: SOLID

Analysis Date...: 09/29/09  
 Dilution Factor: 1

Prep Date.....: 09/25/09

Prep Batch #...: 9268276

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 118 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.0	pg/g	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	56	(25 - 150)
13C12-PCB 81	55	(25 - 150)
13C12-PCB 118	67	(25 - 150)
13C12-PCB 114	62	(25 - 150)
13C12-PCB 105	68	(25 - 150)
13C12-PCB 126	80	(25 - 150)
13C12-PCB 167	70	(25 - 150)
13C12-PCB 156	87	(25 - 150)
13C12-PCB 157	82	(25 - 150)
13C12-PCB 169	86	(25 - 150)
13C12-PCB 189	100	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9I030266      Work Order #...: LLGR41AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9I250000-276  
 Prep Date.....: 09/25/09      Analysis Date..: 09/29/09  
 Prep Batch #...: 9268276  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	200	169	pg/g	85	EPA-14 1668
PCB 81 (BZ)	200	167	pg/g	83	EPA-14 1668
PCB 105 (BZ)	200	189	pg/g	94	EPA-14 1668
PCB 114 (BZ)	200	192	pg/g	96	EPA-14 1668
PCB 118 (BZ)	200	189	pg/g	94	EPA-14 1668
PCB 123 (BZ)	200	185	pg/g	92	EPA-14 1668
PCB 126 (BZ)	200	187	pg/g	94	EPA-14 1668
PCB 156 (BZ)	200	199	pg/g	100	EPA-14 1668
PCB 157 (BZ)	200	219	pg/g	109	EPA-14 1668
PCB 167 (BZ)	200	202	pg/g	101	EPA-14 1668
PCB 169 (BZ)	200	239	pg/g	119	EPA-14 1668
PCB 189 (BZ)	200	204	pg/g	102	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	58	(25 - 150)
13C12-PCB 81	57	(25 - 150)
13C12-PCB 118	70	(25 - 150)
13C12-PCB 114	68	(25 - 150)
13C12-PCB 105	79	(25 - 150)
13C12-PCB 126	87	(25 - 150)
13C12-PCB 167	73	(25 - 150)
13C12-PCB 156	94	(25 - 150)
13C12-PCB 157	86	(25 - 150)
13C12-PCB 169	88	(25 - 150)
13C12-PCB 189	102	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #....: G9I030266      Work Order #....: LLGR41AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9I250000-276  
 Prep Date.....: 09/25/09      Analysis Date...: 09/29/09  
 Prep Batch #....: 9268276  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	85	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	83	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	94	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	96	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	94	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	92	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	94	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	100	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	109	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	101	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	119	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	102	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	58	(25 - 150)
13C12-PCB 81	57	(25 - 150)
13C12-PCB 118	70	(25 - 150)
13C12-PCB 114	68	(25 - 150)
13C12-PCB 105	79	(25 - 150)
13C12-PCB 126	87	(25 - 150)
13C12-PCB 167	73	(25 - 150)
13C12-PCB 156	94	(25 - 150)
13C12-PCB 157	86	(25 - 150)
13C12-PCB 169	88	(25 - 150)
13C12-PCB 189	102	(25 - 150)

**NOTE(S) :**  
 Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

# AIR, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: AUG09-UMS1-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9I030266-001    Work Order #...: LKAF21AA    Matrix.....: AIR  
 Date Sampled...: 08/08/09    Date Received...: 09/03/09  
 Prep Date.....: 09/03/09    Analysis Date...: 09/10/09  
 Prep Batch #...: 9251180  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>1300 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>3400 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	116	(25 - 150)
13C12-PCB 81	115	(25 - 150)
13C12-PCB 118	127	(25 - 150)
13C12-PCB 114	127	(25 - 150)
13C12-PCB 105	139	(25 - 150)
13C12-PCB 126	167 *	(25 - 150)
13C12-PCB 167	93	(25 - 150)
13C12-PCB 156	121	(25 - 150)
13C12-PCB 157	112	(25 - 150)
13C12-PCB 169	112	(25 - 150)

**NOTE (S) :**

- C Co-eluting isomer.
- \* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: AUG09-DMS1-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9I030266-002    Work Order #...: LKAGK1AA    Matrix.....: AIR  
 Date Sampled...: 08/08/09    Date Received...: 09/03/09  
 Prep Date.....: 09/03/09    Analysis Date...: 09/10/09  
 Prep Batch #...: 9251180  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND G	3200	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	7000 C	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	14000 C	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	130	(25 - 150)
13C12-PCB 81	127	(25 - 150)
13C12-PCB 118	138	(25 - 150)
13C12-PCB 114	138	(25 - 150)
13C12-PCB 105	152 *	(25 - 150)
13C12-PCB 126	183 *	(25 - 150)
13C12-PCB 167	101	(25 - 150)
13C12-PCB 156	131	(25 - 150)
13C12-PCB 157	122	(25 - 150)
13C12-PCB 169	120	(25 - 150)

**NOTE(S):**

- G Elevated reporting limit. The reporting limit is elevated due to matrix interference
- C Co-eluting isomer
- \* Surrogate recovery is outside stated control limits.



Wenck Associates, Inc.

Client Sample ID: AUG09-MSP-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9I030266-003    Work Order #...: LKAGQ1AA    Matrix.....: AIR  
 Date Sampled...: 08/08/09    Date Received...: 09/03/09  
 Prep Date.....: 09/03/09    Analysis Date...: 09/10/09  
 Prep Batch #...: 9251180  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND G	1300	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>3100 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>6600 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	122	(25 - 150)
13C12-PCB 81	119	(25 - 150)
13C12-PCB 118	133	(25 - 150)
13C12-PCB 114	131	(25 - 150)
13C12-PCB 105	143	(25 - 150)
13C12-PCB 126	167 *	(25 - 150)
13C12-PCB 167	99	(25 - 150)
13C12-PCB 156	126	(25 - 150)
13C12-PCB 157	117	(25 - 150)
13C12-PCB 169	114	(25 - 150)

**NOTE(S) :**

- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- C Co-eluting isomer.
- \* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: AUG09-FRESNO-T09A

Trace Level Organic Compounds

Lot-Sample #....: G9I030266-004    Work Order #....: LKAGT1AA    Matrix.....: AIR  
 Date Sampled...: 08/08/09    Date Received...: 09/03/09  
 Prep Date.....: 09/03/09    Analysis Date...: 09/10/09  
 Prep Batch #....: 9251180  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	2900 C	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	7800 C	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	131	(25 - 150)
13C12-PCB 81	129	(25 - 150)
13C12-PCB 118	140	(25 - 150)
13C12-PCB 114	143	(25 - 150)
13C12-PCB 105	151	(25 - 150)
13C12-PCB 126	181 *	(25 - 150)
13C12-PCB 167	104	(25 - 150)
13C12-PCB 156	135	(25 - 150)
13C12-PCB 157	124	(25 - 150)
13C12-PCB 169	129	(25 - 150)

**NOTE(S) :**

C Co-eluting isomer.

\* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: AUG09-BLANK-T09A-UMS1

Trace Level Organic Compounds

Lot-Sample #....: G9I030266-005    Work Order #....: LKAGV1AA    Matrix.....: AIR  
 Date Sampled....: 08/08/09    Date Received...: 09/03/09  
 Prep Date.....: 09/03/09    Analysis Date...: 09/10/09  
 Prep Batch #....: 9251180  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	75	(25 - 150)
13C12-PCB 81	74	(25 - 150)
13C12-PCB 118	81	(25 - 150)
13C12-PCB 114	78	(25 - 150)
13C12-PCB 105	87	(25 - 150)
13C12-PCB 126	99	(25 - 150)
13C12-PCB 167	82	(25 - 150)
13C12-PCB 156	107	(25 - 150)
13C12-PCB 157	99	(25 - 150)
13C12-PCB 169	99	(25 - 150)

# QC DATA ASSOCIATION SUMMARY

G9I030266

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9251180	
002	AIR	EPA-14 1668		9251180	
003	AIR	EPA-14 1668		9251180	
004	AIR	EPA-14 1668		9251180	
005	AIR	EPA-14 1668		9251180	
006	SOLID	ASTM D 2216-90		9265223	9265245
	SOLID	EPA-14 1668		9268276	
007	SOLID	ASTM D 2216-90		9265223	9265245
	SOLID	EPA-14 1668		9268276	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9I030266      Work Order #...: LKFNQ1AA      Matrix.....: AIR  
 MB Lot-Sample #: G9I080000-180  
 Analysis Date...: 09/09/09      Prep Date.....: 09/03/09  
 Dilution Factor: 1                  Prep Batch #...: 9251180

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	82	(25 - 150)
13C12-PCB 81	83	(25 - 150)
13C12-PCB 118	91	(25 - 150)
13C12-PCB 114	86	(25 - 150)
13C12-PCB 105	95	(25 - 150)
13C12-PCB 126	100	(25 - 150)
13C12-PCB 167	86	(25 - 150)
13C12-PCB 156	110	(25 - 150)
13C12-PCB 157	102	(25 - 150)
13C12-PCB 169	101	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9I030266      Work Order #...: LKFNQ1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9I080000-180  
 Prep Date.....: 09/03/09      Analysis Date...: 09/10/09  
 Prep Batch #...: 9251180  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	4340	pg	108	EPA-14 1668
PCB 81 (BZ)	4000	4210	pg	105	EPA-14 1668
PCB 105 (BZ)	4000	4170 C	pg	104	EPA-14 1668
PCB 114 (BZ)	4000	4520	pg	113	EPA-14 1668
PCB 118 (BZ)	4000	4040 C	pg	101	EPA-14 1668
PCB 123 (BZ)	4000	4250	pg	106	EPA-14 1668
PCB 126 (BZ)	4000	4300	pg	107	EPA-14 1668
PCB 156 (BZ)	4000	4090	pg	102	EPA-14 1668
PCB 157 (BZ)	4000	4380	pg	109	EPA-14 1668
PCB 167 (BZ)	4000	5260	pg	131	EPA-14 1668
PCB 169 (BZ)	4000	4940	pg	123	EPA-14 1668
PCB 189 (BZ)	4000	4100	pg	103	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	73	(25 - 150)
13C12-PCB 81	73	(25 - 150)
13C12-PCB 118	84	(25 - 150)
13C12-PCB 114	78	(25 - 150)
13C12-PCB 105	85	(25 - 150)
13C12-PCB 126	91	(25 - 150)
13C12-PCB 167	77	(25 - 150)
13C12-PCB 156	99	(25 - 150)
13C12-PCB 157	92	(25 - 150)
13C12-PCB 169	94	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters  
 C Co-eluting isomer.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9I030266      Work Order #...: LKFNQ1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9I080000-180  
 Prep Date.....: 09/03/09      Analysis Date...: 09/10/09  
 Prep Batch #...: 9251180  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	108	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	105	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	104 C	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	113	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	101 C	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	106	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	107	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	102	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	109	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	131	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	123	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	103	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	73	(25 - 150)
13C12-PCB 81	73	(25 - 150)
13C12-PCB 118	84	(25 - 150)
13C12-PCB 114	78	(25 - 150)
13C12-PCB 105	85	(25 - 150)
13C12-PCB 126	91	(25 - 150)
13C12-PCB 167	77	(25 - 150)
13C12-PCB 156	99	(25 - 150)
13C12-PCB 157	92	(25 - 150)
13C12-PCB 169	94	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters  
 C Co-eluting isomer.

# SOLID, D 2216-90, %Moisture



Wenck Associates, Inc.

Client Sample ID: AUG09-FRESNO-VD-1668A

General Chemistry

Lot-Sample #...: G9I030266-006  
Date Sampled...: 08/08/09

Work Order #...: LKAGX  
Date Received...: 09/03/09

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	1.7	0.10	%	ASTM D 2216-90	09/22-09/23/09	9265223

Wenck Associates, Inc.

Client Sample ID: AUG09-FRESNO-SOIL-1668A

General Chemistry

Lot-Sample #...: G9I030266-007    Work Order #...: LKAG2    Matrix.....: SOLID  
Date Sampled...: 08/08/09    Date Received...: 09/03/09

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	0.18	0.10	%	ASTM D 2216-90	09/22-09/23/09	9265223

# QC DATA ASSOCIATION SUMMARY

G9I030266

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9251180	
002	AIR	EPA-14 1668		9251180	
003	AIR	EPA-14 1668		9251180	
004	AIR	EPA-14 1668		9251180	
005	AIR	EPA-14 1668		9251180	
006	SOLID	ASTM D 2216-90		9265223	9265245
	SOLID	EPA-14 1668		9268276	
007	SOLID	ASTM D 2216-90		9265223	9265245
	SOLID	EPA-14 1668		9268276	



# SOLID, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

1664

Run text: LLGQX-1-AA      Sample text: LLGQX-1-AA :G9I250000-269B  
 Run #34 Filename: 28SE099D5    S: 36    I: 1      Results: 28SE099D51668MSLDEC  
 Acquired: 29-SEP-09    17:18:52      Processed: 29-SEP-09    19:50:24  
 Run: 28SE099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0709099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.00007g

11.2

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	130361200	0.65 y	25:04	-	6.16	-	-	n
13C-TCB-81	79491200	0.80 y	26:39	1.11	109.59	0.09	54.8	n
TCB-81	*	* n	NotFnd	1.33	*	0.05	-	n
13C-TCB-77	84639200	0.81 y	27:12	1.16	111.79	0.09	55.9	n
TCB-77	23975	0.55 n	27:13	1.17	0.05	0.06	-	n
13C-PeCB-123	77741500	0.65 y	28:33	0.97	123.26	0.08	61.6	n
PeCB-123	30296	0.51 n	28:35	1.65	0.05	0.04	-	n
13C-PeCB-118	87260600	0.67 y	28:42	1.01	133.20	0.08	66.6	n
PeCB-118/106	236528	0.57 y	28:44	1.65	0.33	0.04	-	n
13C-PeCB-114	82246800	0.66 y	29:21	1.03	123.04	0.08	61.5	n
PeCB-114	12428	0.29 n	29:24	1.73	0.02	0.04	-	n
13C-PeCB-105	85939600	0.65 y	30:13	0.97	135.91	0.08	68.0	n
PeCB-105/127	122008	0.58 y	30:16	1.53	0.19	0.05	-	n
13C-PeCB-126	104463800	0.67 y	32:08	1.00	160.92	0.08	80.5	n
PeCB-126	*	* n	NotFnd	1.27	*	0.06	-	n
13C-OcCB-202	137974000	0.97 y	34:24	-	5.94	-	-	n
13C-HxCB-167	100430100	1.24 y	33:14	1.04	139.45	0.17	69.7	n
HxCB-167	17067	0.80 n	33:15	1.10	0.03	0.04	-	n
13C-HxCB-156	101149700	1.26 y	34:32	0.84	174.79	0.21	87.4	n
HxCB-156	*	* n	NotFnd	1.50	*	0.03	-	n
13C-HxCB-157	99359100	1.23 y	34:52	0.88	163.54	0.20	81.8	n
HxCB-157	8456	2.78 n	34:53	1.50	0.01	0.03	-	n
13C-HxCB-169	108835500	1.26 y	36:43	0.92	171.88	0.20	85.9	n
HxCB-169	19926	2.04 n	36:43	0.99	0.04	0.05	-	n
13C-HpCB-180	82307000	1.02 y	35:29	0.74	160.45	0.10	80.2	n
HpCB-180	92016	0.95 y	35:31	1.32	0.17	0.08	-	n
13C-HpCB-170	72141500	1.01 y	37:08	0.61	171.10	0.12	85.6	n
HpCB-170/190	*	* n	NotFnd	1.63	*	0.08	-	n
13C-HpCB-189	105541700	1.00 y	38:46	0.76	200.83	0.10	100.4	n
HpCB-189	*	* n	NotFnd	1.22	*	0.07	-	n
13C-DeCB-209	70732300	0.72 y	43:52	0.62	164.09	0.10	82.0	n
DECB-209	35847	0.42 n	43:51	1.48	0.07	0.03	-	n
13C-PeCB-111	87260600	0.67 y	28:42	1.32	158.45	0.12	79.2	n

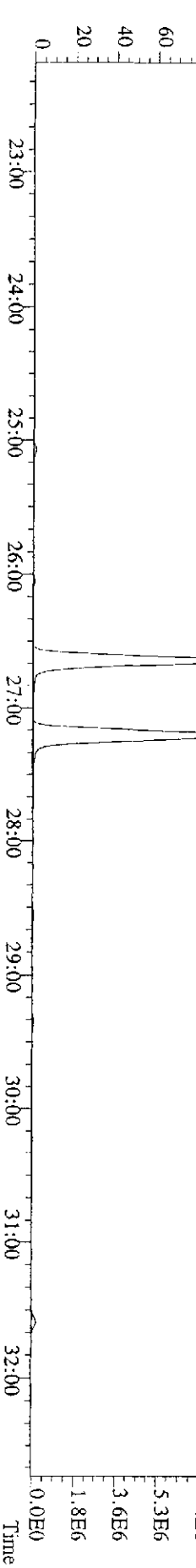
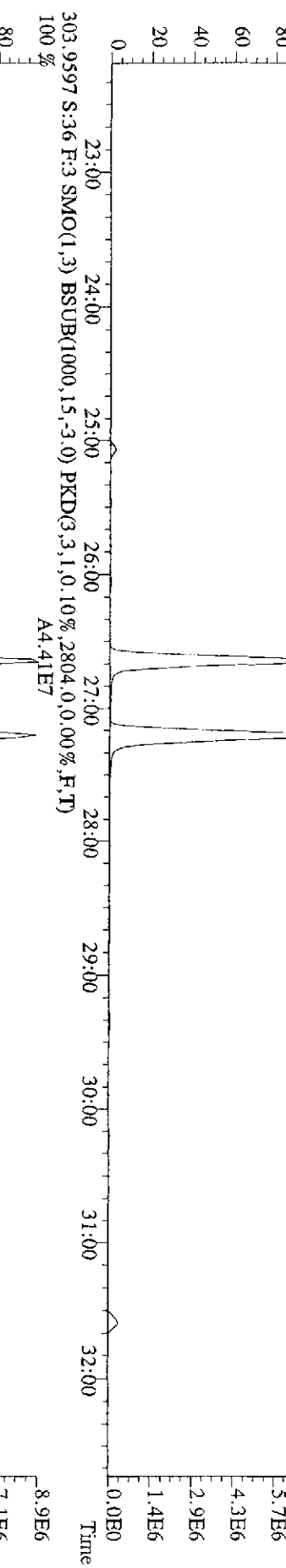
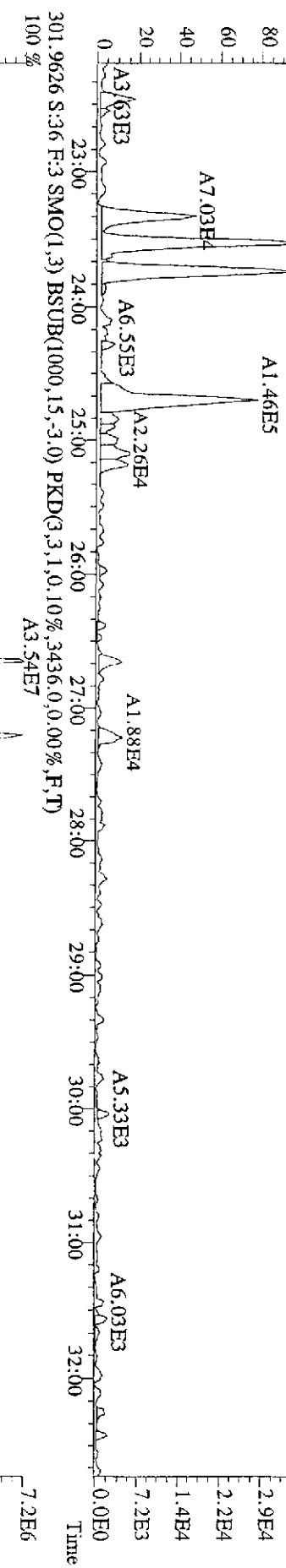
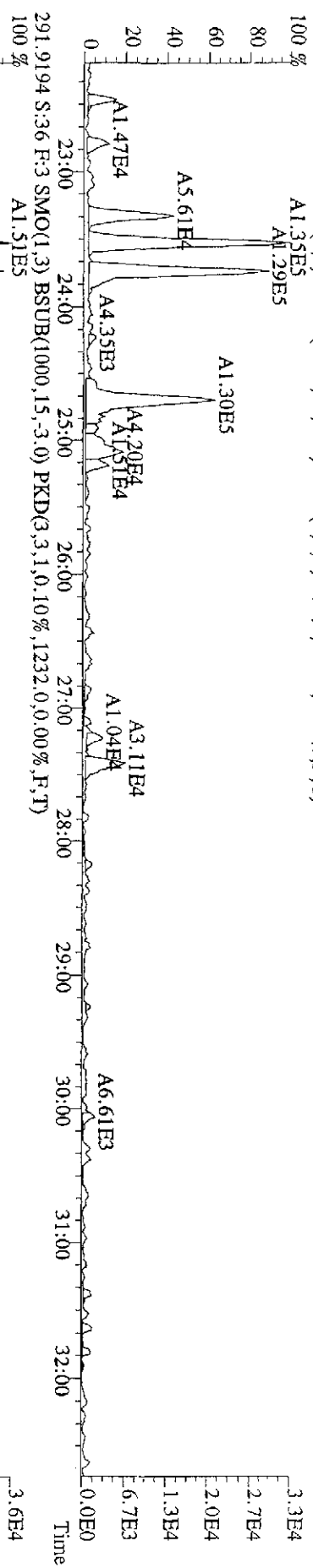
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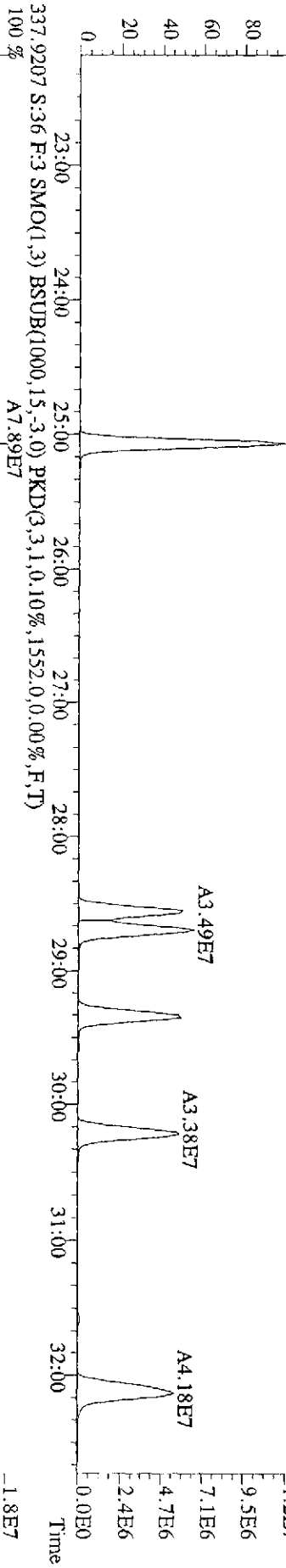
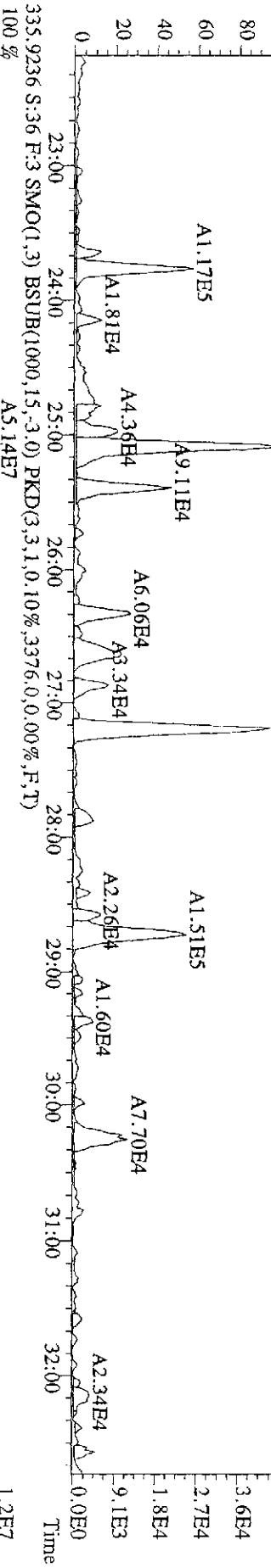
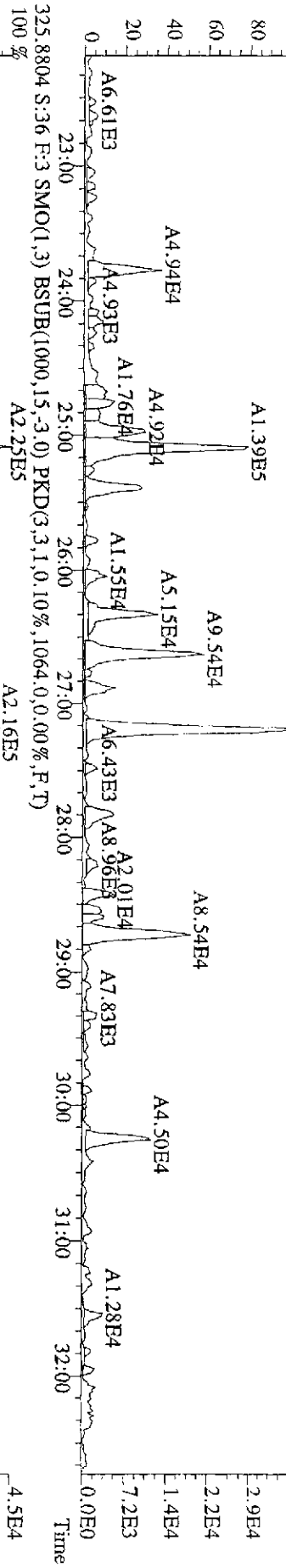
Sh 9/20/09



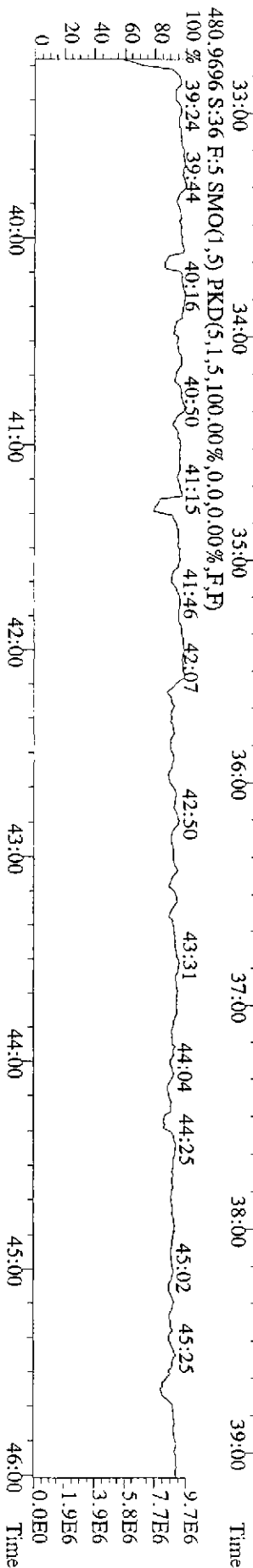
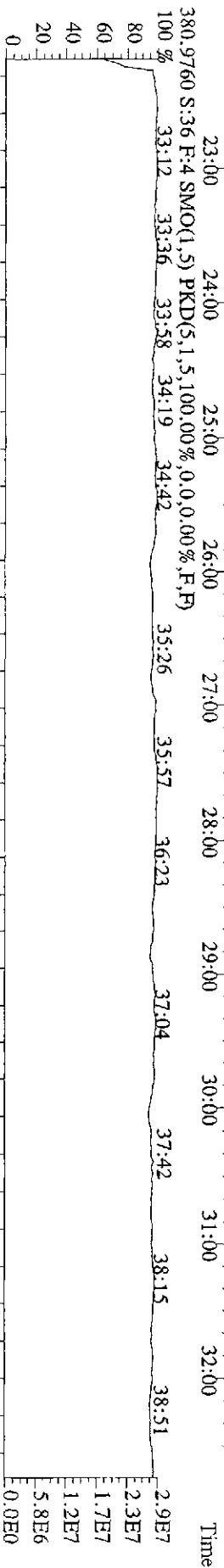
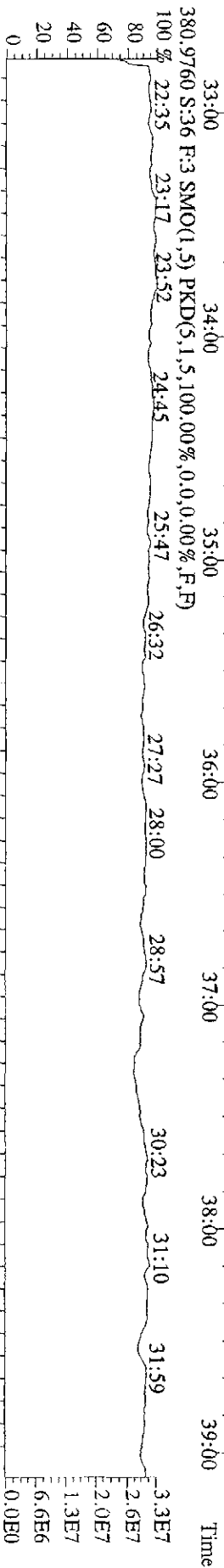
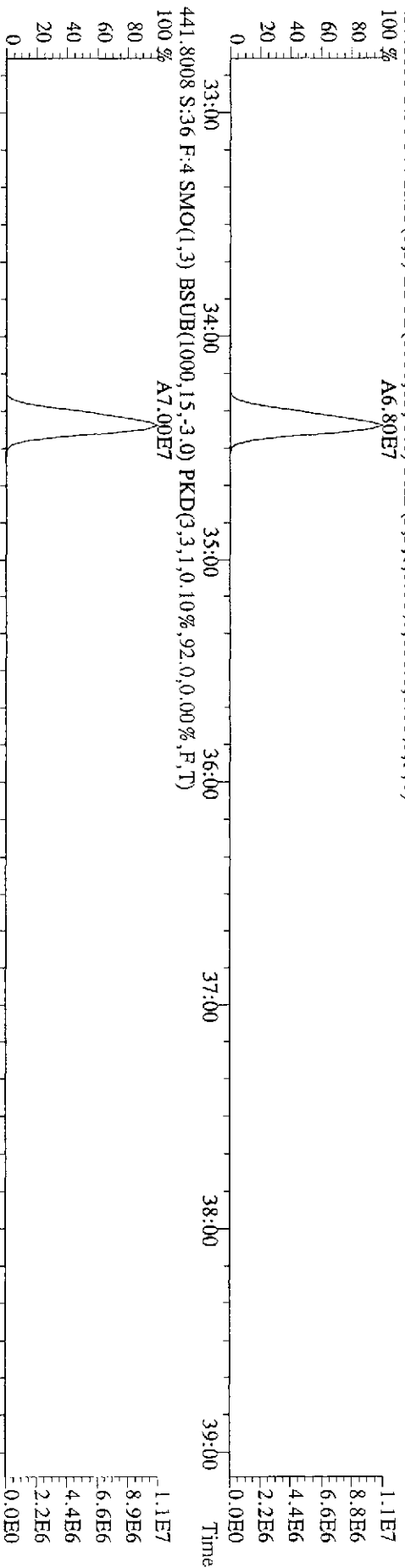
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 Sample#36 Text: LIGQX-1-AA :G9I250000-269B Exp: 209DB5  
 289.9224 S:3.6 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,904.0,0.00%,F,T)



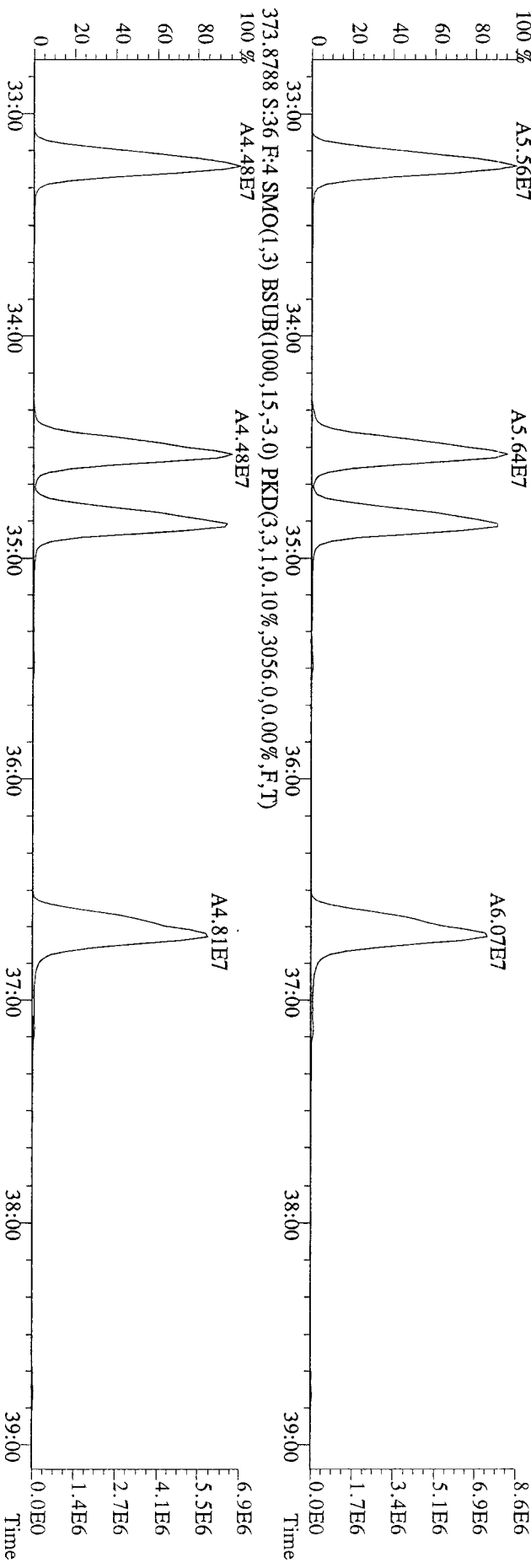
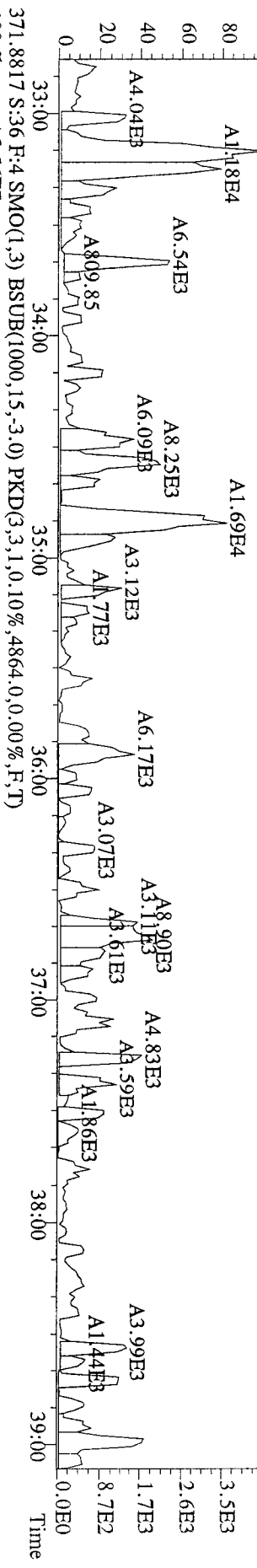
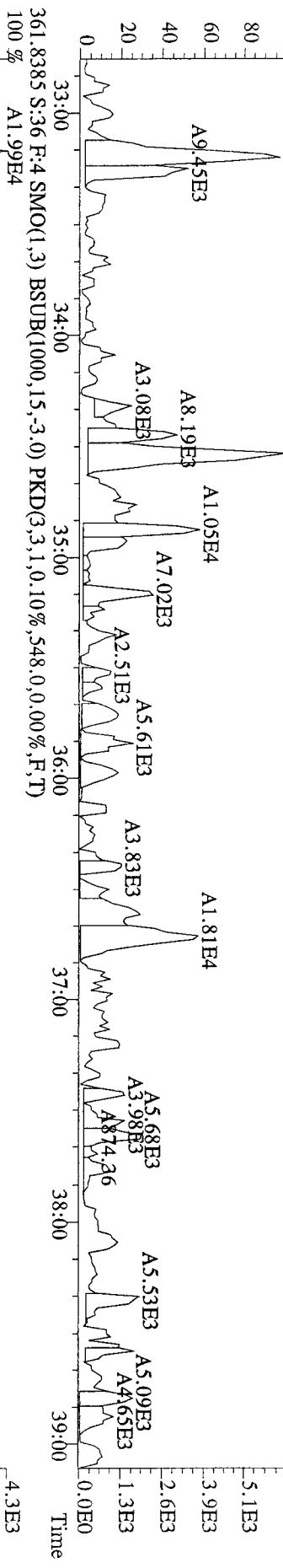
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Sample#36 Text: LLGOX-1-AA : G9I250000-269B Exp: 209DB5  
323.8834 S:3.6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1024,0,0,00%,F,T)



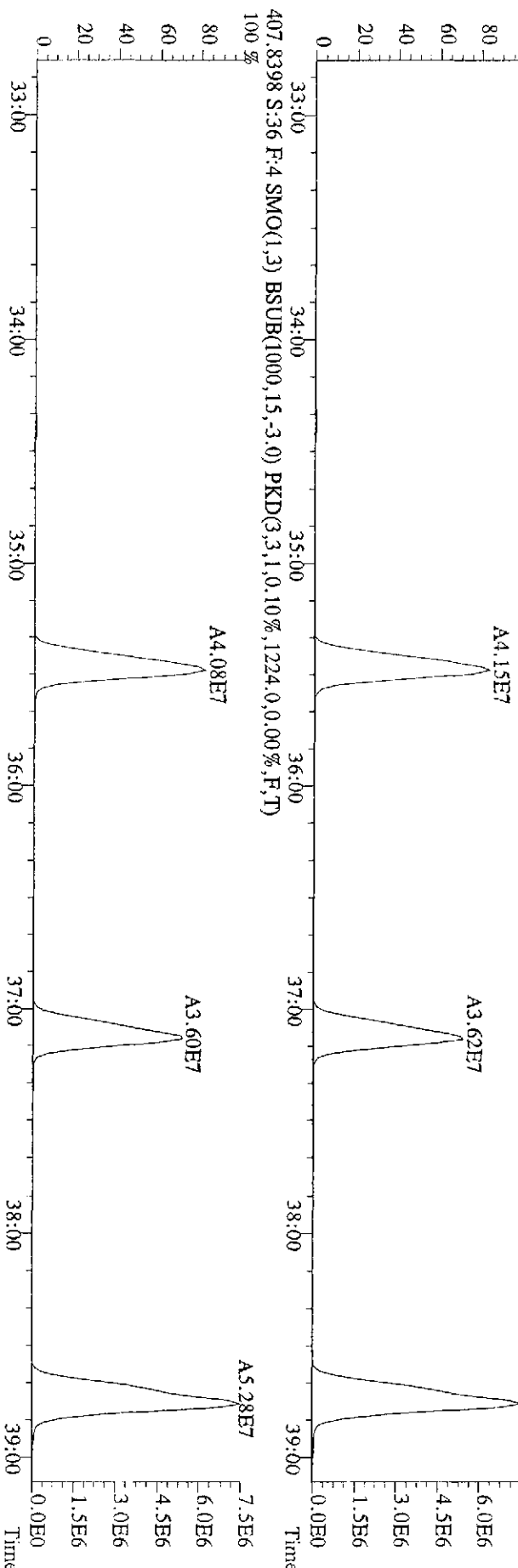
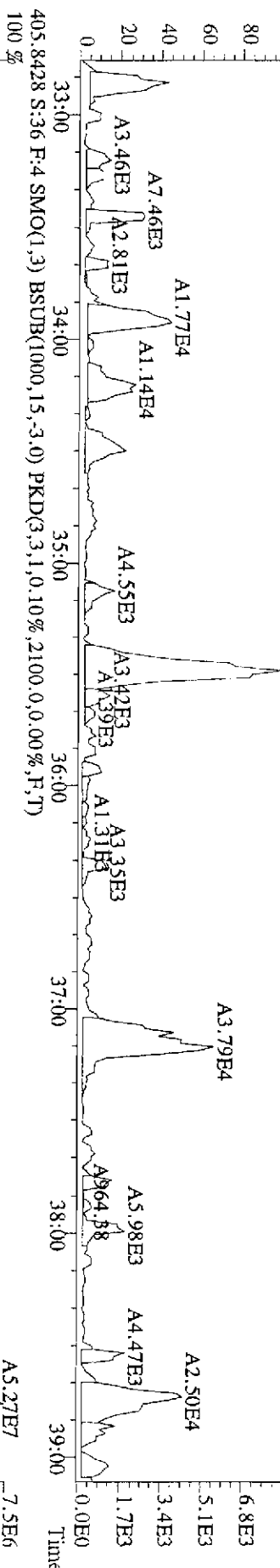
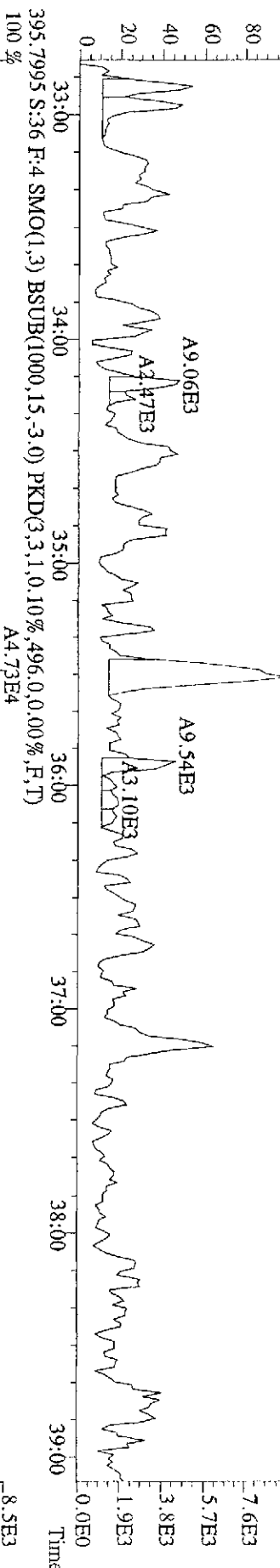
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 Sample#36 Text: LLGQX-1-AA : G9I250000-269B Exp: 209DB5  
 439, 8038 S:3.6 F:4 SMO(1,3) BSub(1000,15,-3.0) PKD(3,3,1,0,10%,92,0,0,00%,F,T)  
 441, 8008 S:3.6 F:4 SMO(1,3) BSub(1000,15,-3.0) PKD(3,3,1,0,10%,92,0,0,00%,F,T)  
 100% A6.80E7



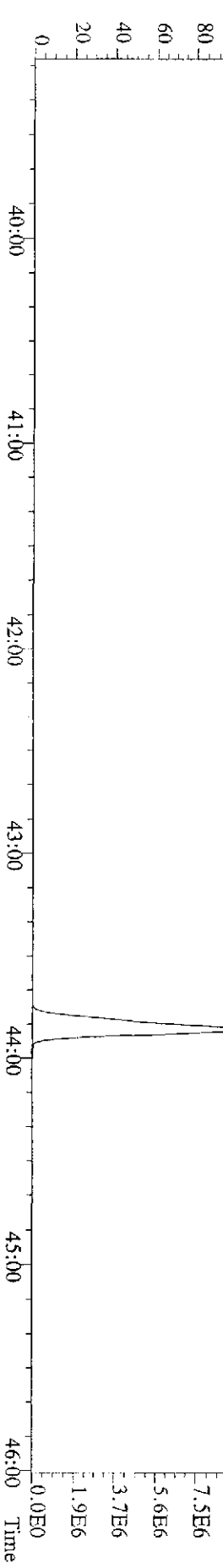
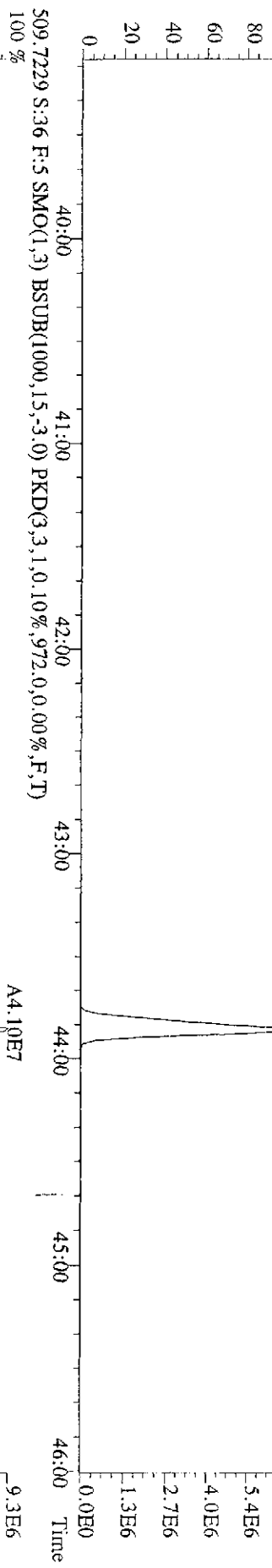
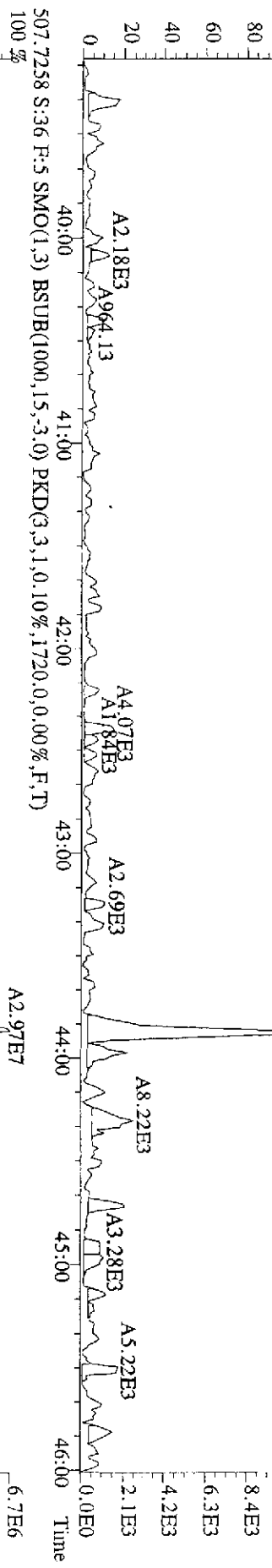
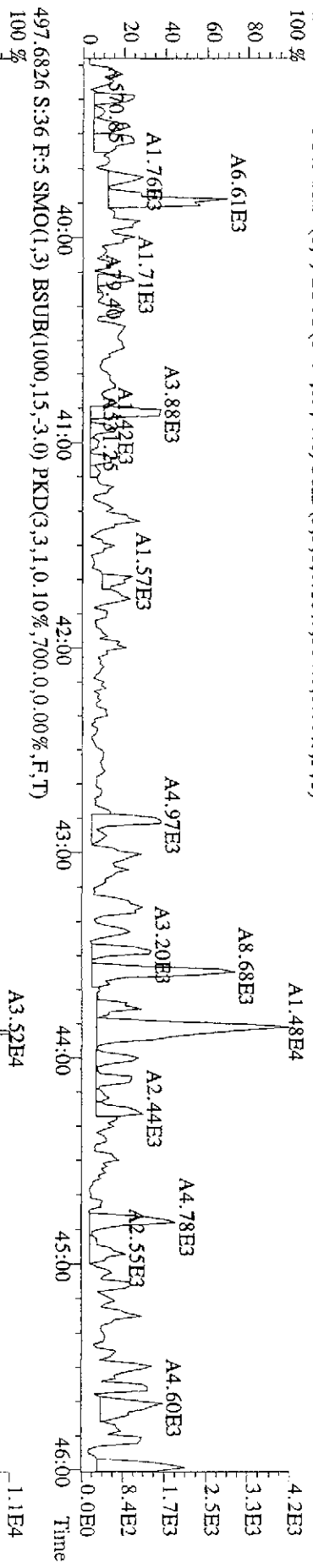
File: 285E099D5 #1-388 Acq: 29-SEP-2009 17:18:52 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#36 Text: LIGOX-1-AA : G91250000-269B Exp: 209DB5  
 359.8415 S:3.6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,780,0,0,00%,F,T)  
 100% A2.41E4 A2.59E4



File: 28SE099D5 #1-388 Acq:29-SEP-2009 17:18:52 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#36 Text:LLGOX-1-AA :G91250000-269B Exp:209DB5  
 393.8025 S:36 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2196,0,0,00%,F,T)  
 100%



File:285E099D5 #1-457 Acq:29-SEP-2009 17:18:52 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#36 Text:LLGOX-1-AA :G91250000-269B Exp:209DB5  
495.6836 S:3.6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,584.0,0.00%,F,T)



LL624

Run text: LLGQX-1-AC Sample text: LLGQX-1-AC :G9I25000-269C  
 Run #35 Filename: 28SE099D5 S: 37 I: 1 Results: 28se099d51668msldec  
 Acquired: 29-SEP-09 18:10:17 Processed: 29-SEP-09 19:50:25  
 Run: 28SE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0709099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.00 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	124530400	0.68 y	25:04	-	5.89	-	-	n
13C-TCB-81	78366200	0.78 y	26:38	1.11	113.09	0.07	56.5	n
TCB-81	86730300	0.87 y	26:40	1.33	166.78	0.15	-	n
13C-TCB-77	83776800	0.79 y	27:12	1.16	115.84	0.07	57.9	n
TCB-77	83228800	0.86 y	27:13	1.17	169.32	0.16	-	n
13C-PeCB-123	85381600	0.67 y	28:33	0.97	141.71	0.08	70.9	n
PeCB-123	130334600	0.62 y	28:34	1.65	184.67	0.06	-	n
13C-PeCB-118	88044600	0.66 y	28:41	1.01	140.69	0.08	70.3	n
PeCB-118/106	136722700	0.64 y	28:42	1.65	188.78	0.06	-	n
13C-PeCB-114	86566300	0.66 y	29:20	1.03	135.57	0.07	67.8	n
PeCB-114	143777100	0.64 y	29:21	1.73	192.46	0.06	-	n
13C-PeCB-105	95282400	0.65 y	30:13	0.97	157.74	0.08	78.9	n
PeCB-105/127	137601600	0.63 y	30:13	1.53	188.85	0.07	-	n
13C-PeCB-126	108324900	0.66 y	32:07	1.00	174.68	0.08	87.3	n
PeCB-126	128948900	0.62 y	32:08	1.27	187.31	0.09	-	n
13C-OcCB-202	131276500	0.96 y	34:24	-	5.65	-	-	n
13C-HxCB-167	99455800	1.26 y	33:14	1.04	145.14	0.15	72.6	n
HxCB-167	110527500	1.26 y	33:13	1.10	202.14	0.31	-	y
13C-HxCB-156	103095600	1.25 y	34:32	0.84	187.24	0.19	93.6	n
HxCB-156	154383000	1.25 y	34:33	1.50	199.13	0.23	-	n
13C-HxCB-157	99065400	1.26 y	34:50	0.88	171.37	0.18	85.7	n
HxCB-157	161917200	1.26 y	34:51	1.50	218.61	0.23	-	n
13C-HxCB-169	105696000	1.23 y	36:41	0.92	175.44	0.17	87.7	n
HxCB-169	124565500	1.24 y	36:42	0.99	238.62	0.39	-	n
13C-HpCB-180	79203200	1.00 y	35:28	0.74	162.27	0.08	81.1	n
HpCB-180	107960800	1.03 y	35:29	1.32	207.02	0.16	-	n
13C-HpCB-170	70624000	1.00 y	37:07	0.61	176.05	0.10	88.0	n
HpCB-170/190	112502900	1.03 y	37:08	1.63	195.79	0.15	-	n
13C-HpCB-189	101897000	1.01 y	38:44	0.76	203.78	0.08	101.9	n
HpCB-189	127250300	1.03 y	38:46	1.22	204.39	0.14	-	n
13C-DeCB-209	70674100	0.73 y	43:51	0.62	172.32	0.09	86.2	n
DECB-209	111850200	0.73 y	43:52	1.48	214.19	0.02	-	n
13C-PeCB-111	88044600	0.66 y	28:41	1.32	149.94	0.11	75.0	n

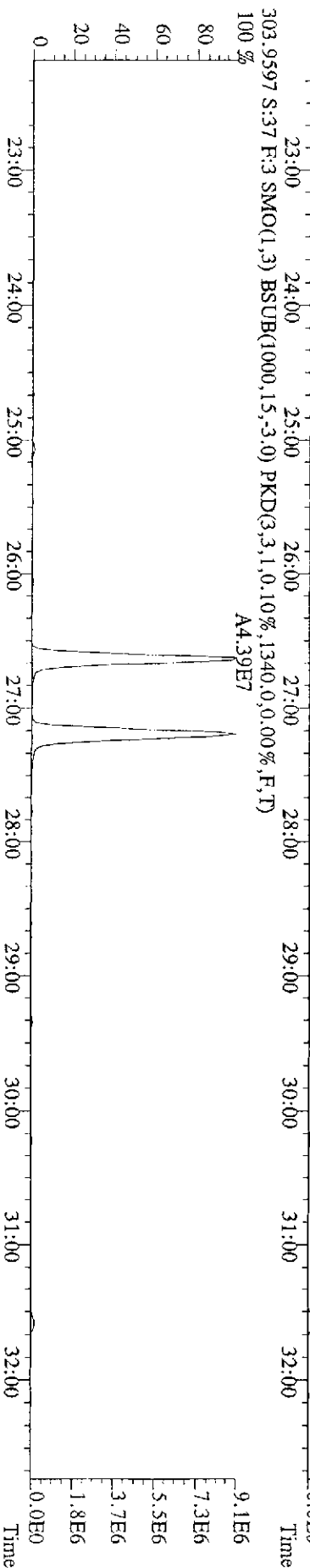
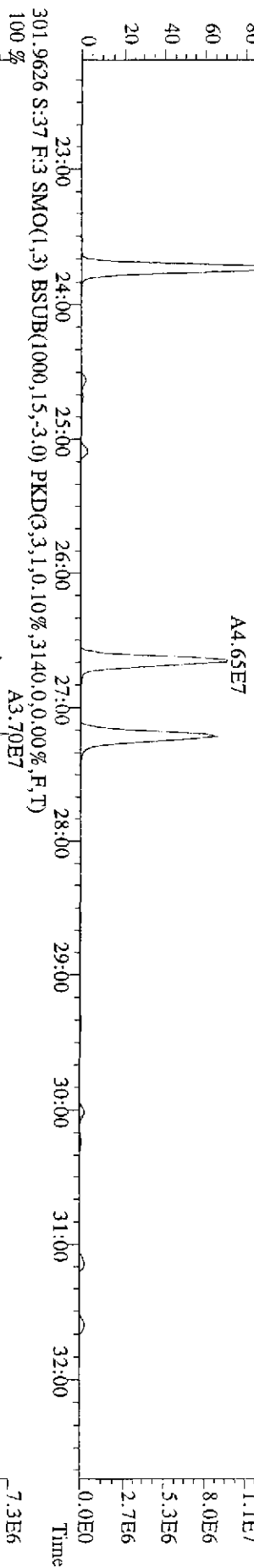
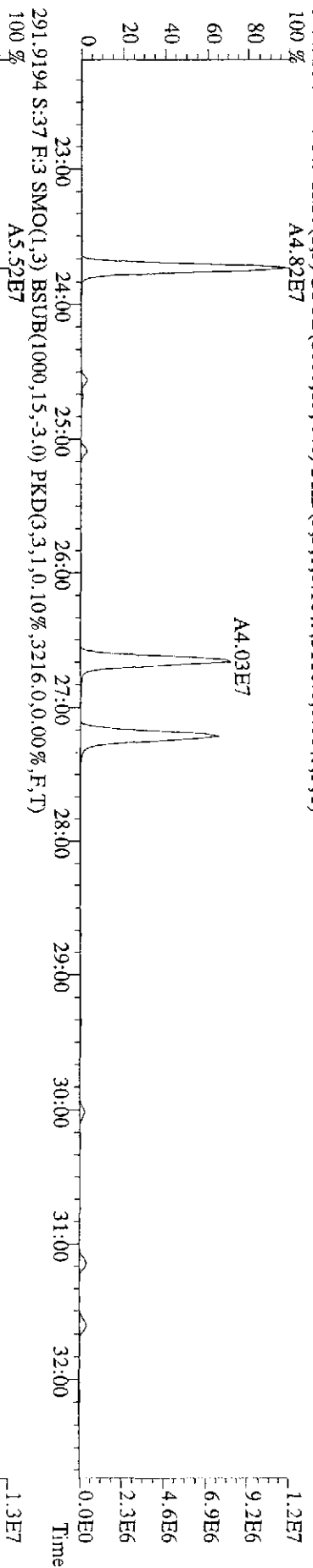
Sh 9/30/09

Run text: LLGQX-1-AC Sample text: LLGQX-1-AC :G9I25000-269C  
 Run #35 Filename: 28SE099D5 S: 37 I: 1 Results: 28SE099D51668MSLDEC  
 Acquired: 29-SEP-09 18:10:17 Processed: 29-SEP-09 19:50:25  
 Run: 28SE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0709099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.0000µg

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	124530400	0.68 y	25:04	-	5.89	-	-	n
13C-TCB-81	78366200	0.78 y	26:38	1.11	113.09	0.07	56.5	n
TCB-81	86730300	0.87 y	26:40	1.33	166.78	0.15	-	n
13C-TCB-77	83776800	0.79 y	27:12	1.16	115.84	0.07	57.9	n
TCB-77	83228800	0.86 y	27:13	1.17	169.32	0.16	-	n
13C-PeCB-123	85381600	0.67 y	28:33	0.97	141.71	0.08	70.9	n
PeCB-123	130334600	0.62 y	28:34	1.65	184.67	0.06	-	n
13C-PeCB-118	88044600	0.66 y	28:41	1.01	140.69	0.08	70.3	n
PeCB-118/106	136722700	0.64 y	28:42	1.65	188.78	0.06	-	n
13C-PeCB-114	86566300	0.66 y	29:20	1.03	135.57	0.07	67.8	n
PeCB-114	143777100	0.64 y	29:21	1.73	192.46	0.06	-	n
13C-PeCB-105	95282400	0.65 y	30:13	0.97	157.74	0.08	78.9	n
PeCB-105/127	137601600	0.63 y	30:13	1.53	188.85	0.07	-	n
13C-PeCB-126	108324900	0.66 y	32:07	1.00	174.68	0.08	87.3	n
PeCB-126	128948900	0.62 y	32:08	1.27	187.31	0.09	-	n
13C-OcCB-202	131276500	0.96 y	34:24	-	5.65	-	-	n
13C-HxCB-167	99455700	1.26 y	33:14	1.04	145.14	0.15	72.6	n
HxCB-167	255349000	1.23 y	33:12	1.10	467.00	0.31	-	n
13C-HxCB-156	103095600	1.25 y	34:32	0.84	187.24	0.19	93.6	n
HxCB-156	154383000	1.25 y	34:33	1.50	199.13	0.23	-	n
13C-HxCB-157	99065400	1.26 y	34:50	0.88	171.37	0.18	85.7	n
HxCB-157	161917200	1.26 y	34:51	1.50	218.61	0.23	-	n
13C-HxCB-169	105696000	1.23 y	36:41	0.92	175.44	0.17	87.7	n
HxCB-169	124565500	1.24 y	36:42	0.99	238.62	0.39	-	n
13C-HpCB-180	79203200	1.00 y	35:28	0.74	162.27	0.08	81.1	n
HpCB-180	107960800	1.03 y	35:29	1.32	207.02	0.16	-	n
13C-HpCB-170	70624000	1.00 y	37:07	0.61	176.05	0.10	88.0	n
HpCB-170/190	112502900	1.03 y	37:08	1.63	195.79	0.15	-	n
13C-HpCB-189	101897000	1.01 y	38:44	0.76	203.78	0.08	101.9	n
HpCB-189	127250300	1.03 y	38:46	1.22	204.39	0.14	-	n
13C-DeCB-209	70674100	0.73 y	43:51	0.62	172.32	0.09	86.2	n
DECB-209	111850200	0.73 y	43:52	1.48	214.19	0.02	-	n
13C-PeCB-111	88044600	0.66 y	28:41	1.32	149.94	0.11	75.0	n

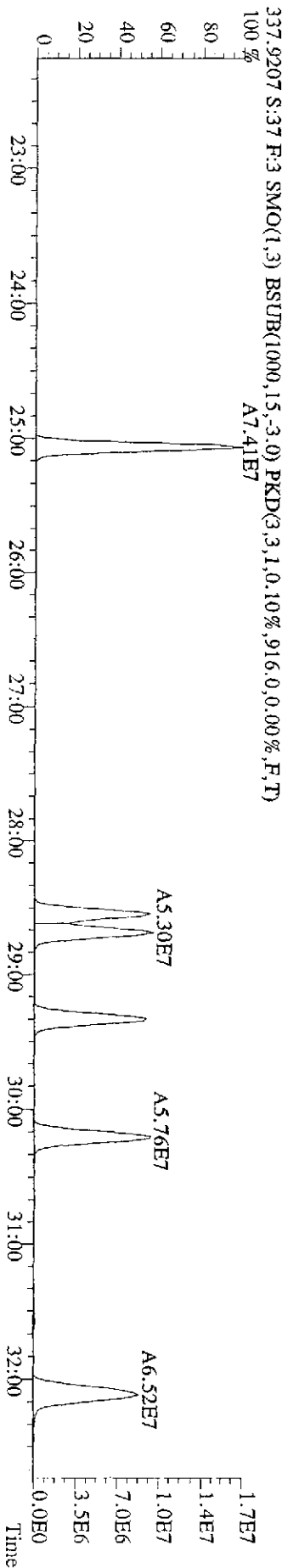
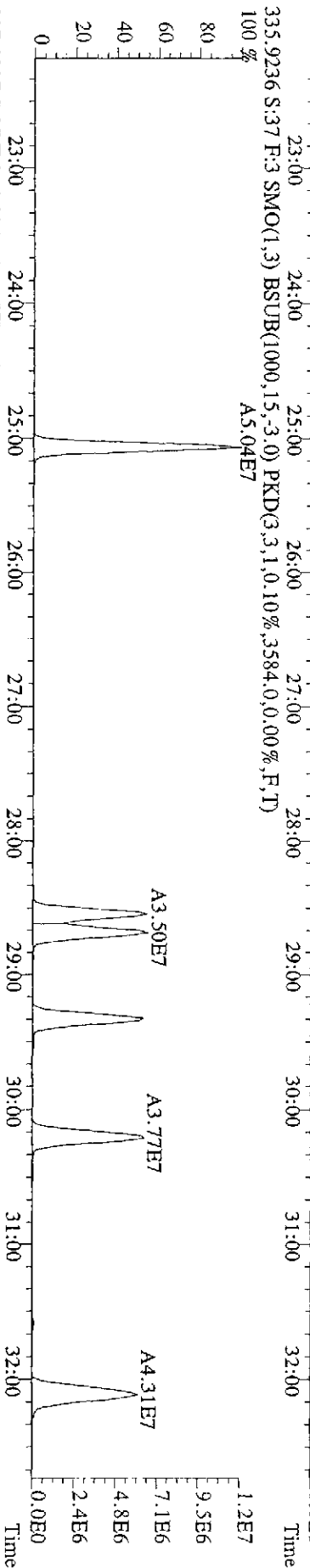
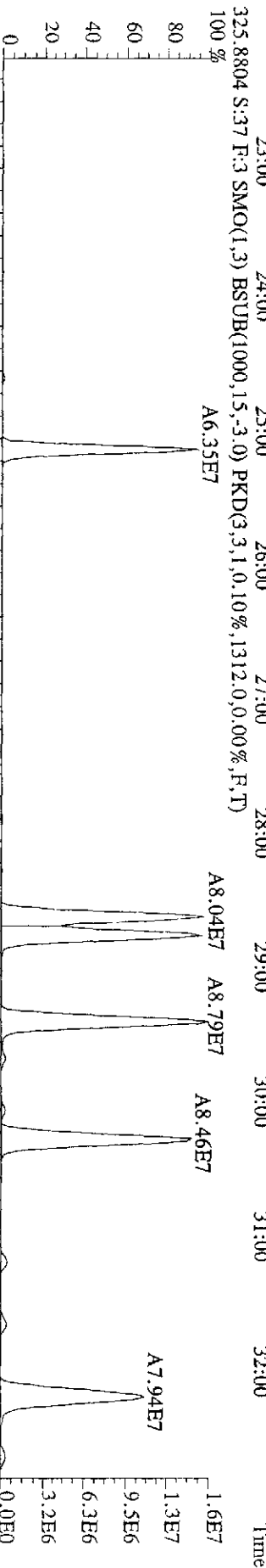
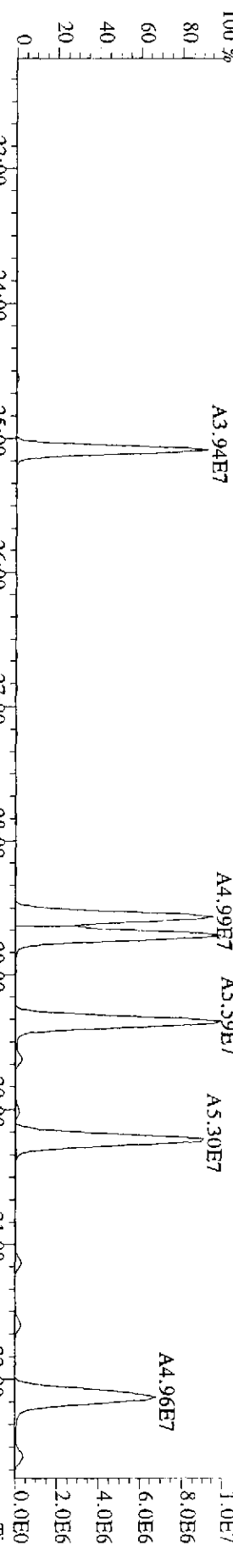


File: 28SE099D5 #1-594 Acq: 29-SEP-2009 18:10:17 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#37 Text: L1.GOX-1-AC :G9125000-269C Exp: 209DB5  
 289.9224 S:37 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3116.0,0.00%,F,T)  
 100 % A4.82E7



File:28SE099D5 #1-594 Acq:29-SEP-2009 18:10:17 GC EI+ Voltage SIR Autospec-UtimaE

Sample#37 Text:LLGOX-1-AC :G9125000-269C Exp:209DB5

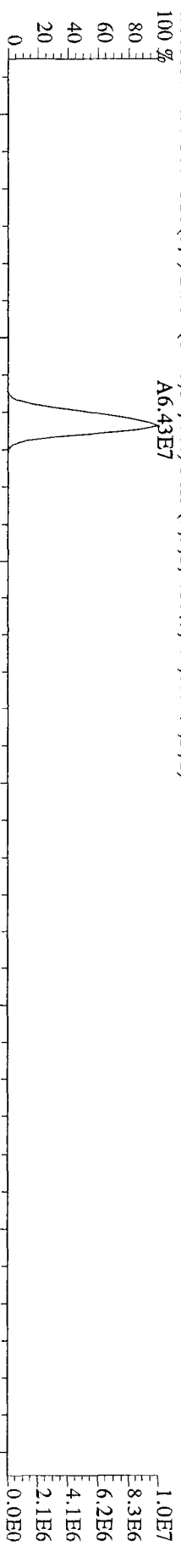


File:28SSE099D5 #1-388 Acq:29-SEP-2009 18:10:17 GC EI+ Voltage SIR Autospec-Ultimate

Sample#37 Text:LLGOX-1-AC :G9125000-269C Exp:209DB5

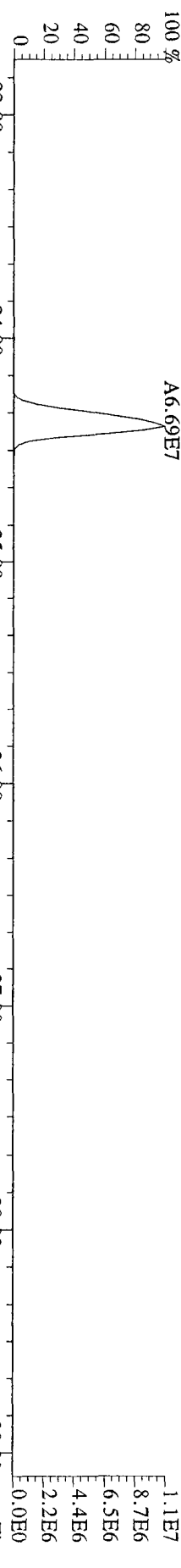
439.8038 S:37 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,8.0,0.00%,F,T)

100% A6.43E7

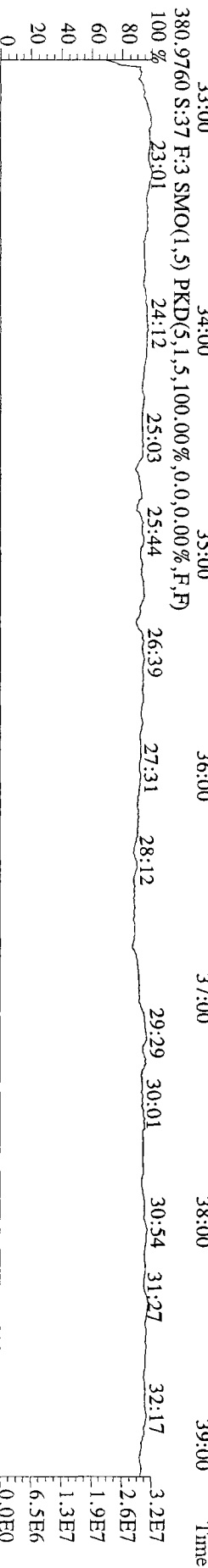


441.8008 S:37 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,16.0,0.00%,F,T)

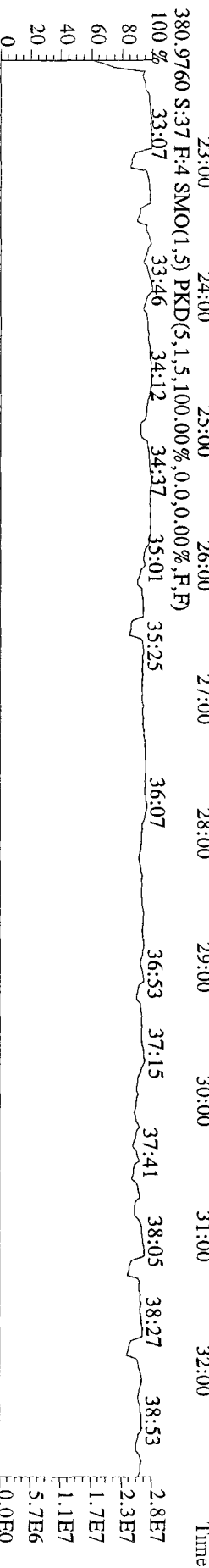
100% A6.69E7



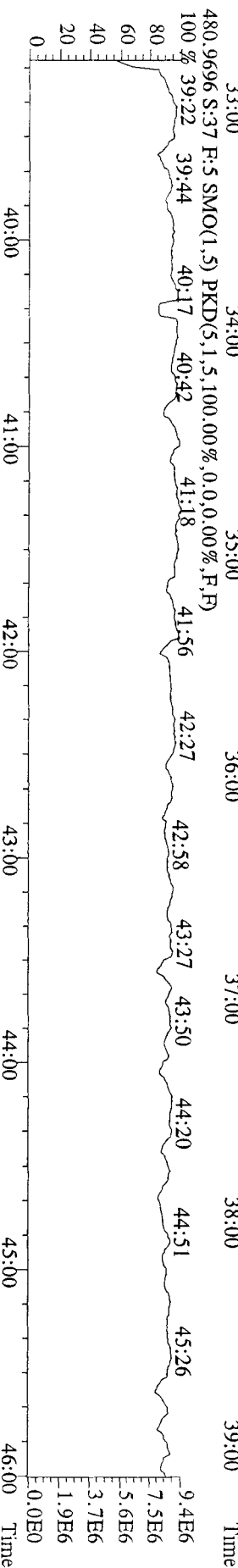
380.9760 S:37 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



380.9760 S:37 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



480.9696 S:37 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



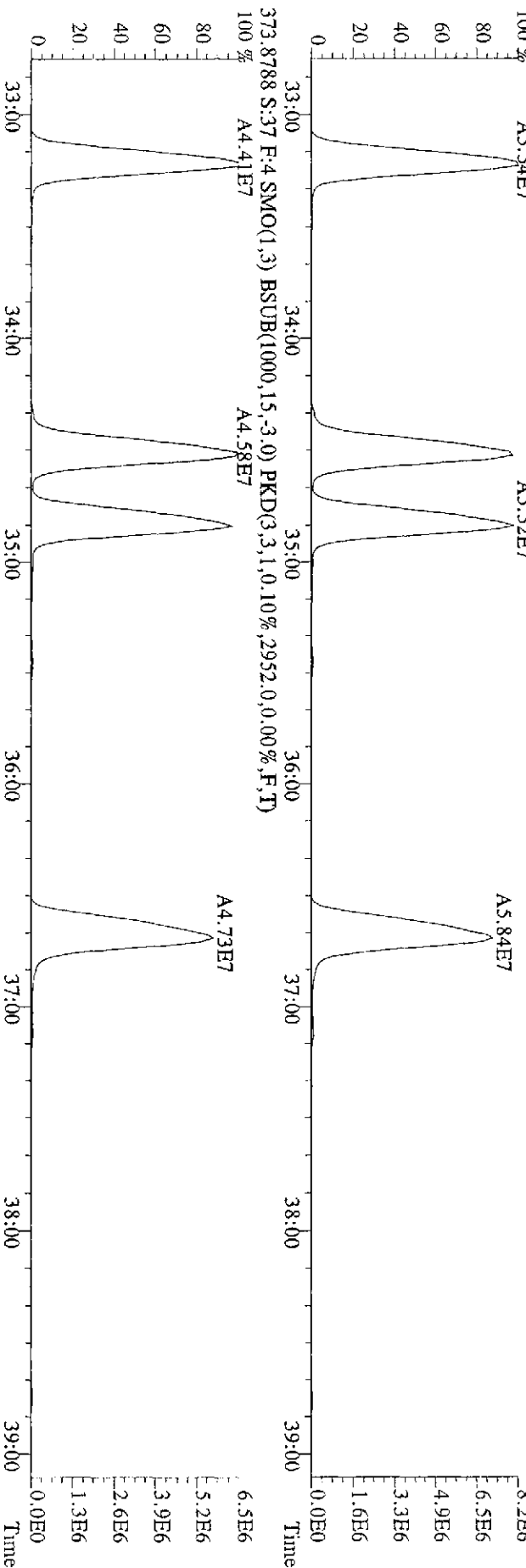
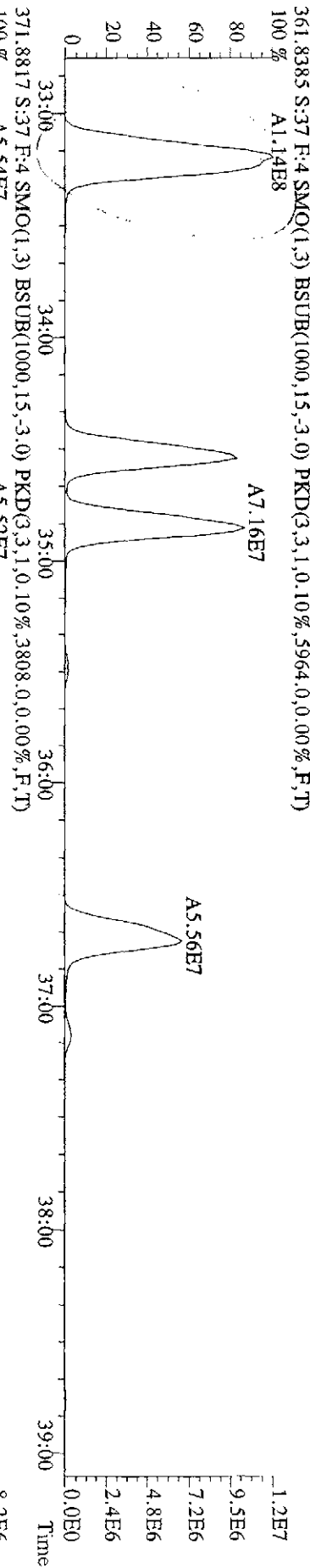
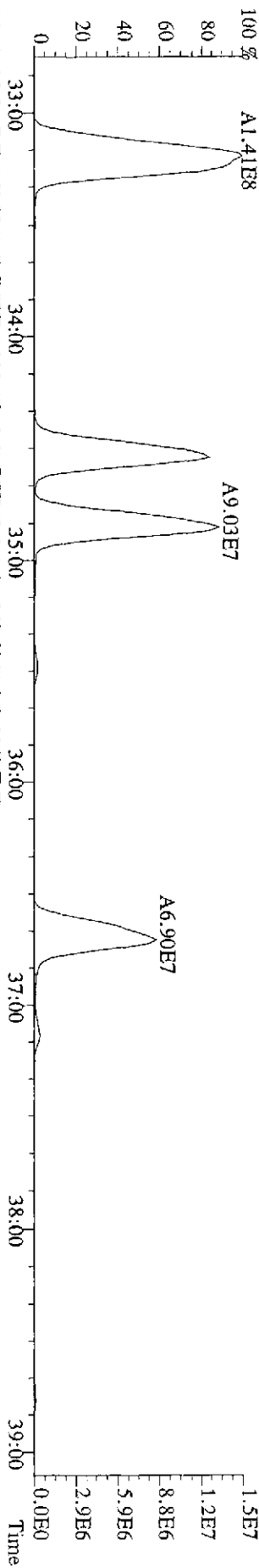
File:28SSE099D5 #1-388 Acq:29-SEP-2009 18:10:17 GC EI+ Voltage SIR Autospec-Ultimate

Sample#37 Text:LLGOX-1-AC :G9125000-269C

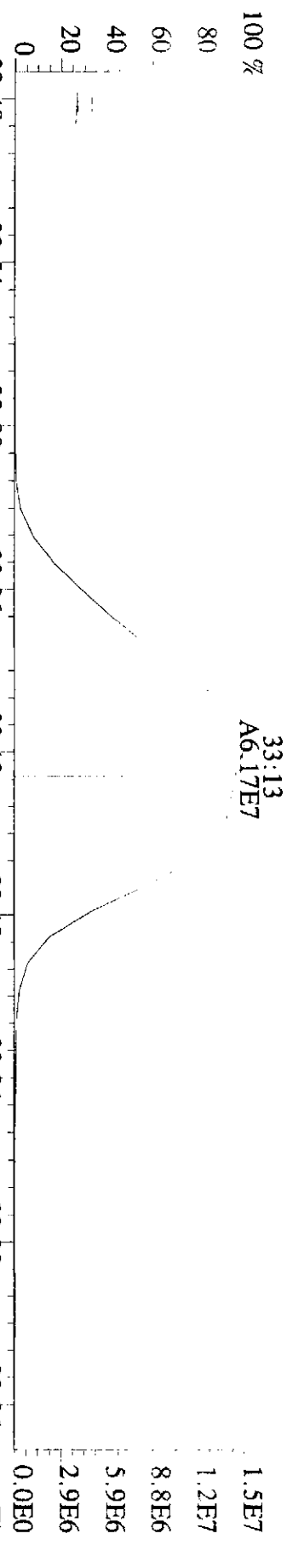
Exp:209DB5

359.8415 S:37 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3992,0,0,00%,F,T)

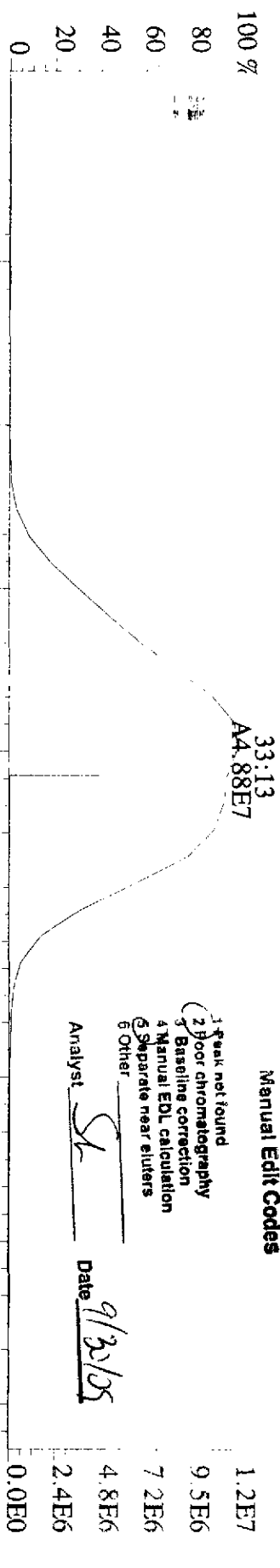
100% A1.41E8



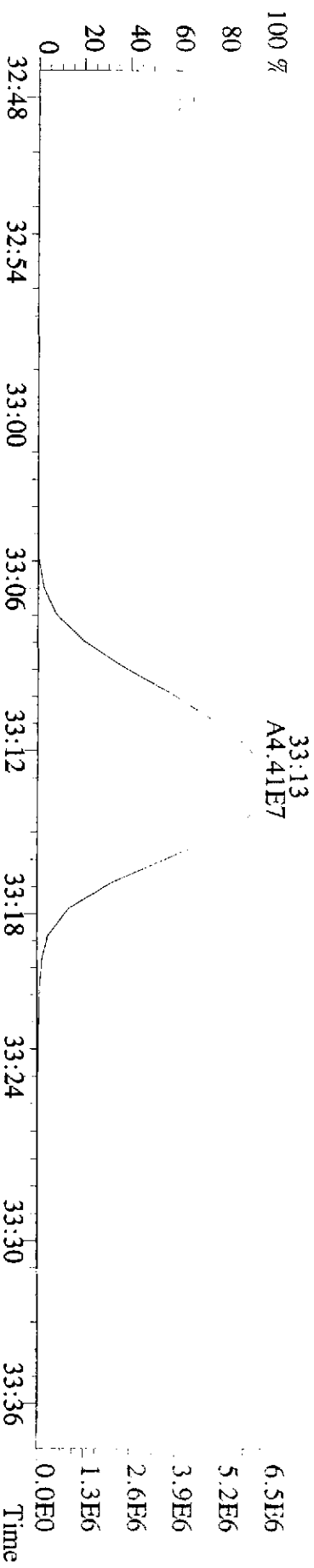
File: 28SE099D5 #1-388 Acq: 29-SEP-2009 18:10:17 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#37 Text: LIGOX-1-AA : G91250000-26 Exp: 209DDB5  
 359.8415 S: 3.7 F: 4 SMO(1, 3) BSUB(1000, 15, -3.0) PKD(3, 3, 1, 0, 10%, 3992.0, 0.00%, F, T)



361.8385 S: 3.7 F: 4 SMO(1, 3) BSUB(1000, 15, -3.0) PKD(3, 3, 1, 0, 10%, 5964.0, 0.00%, F, T)



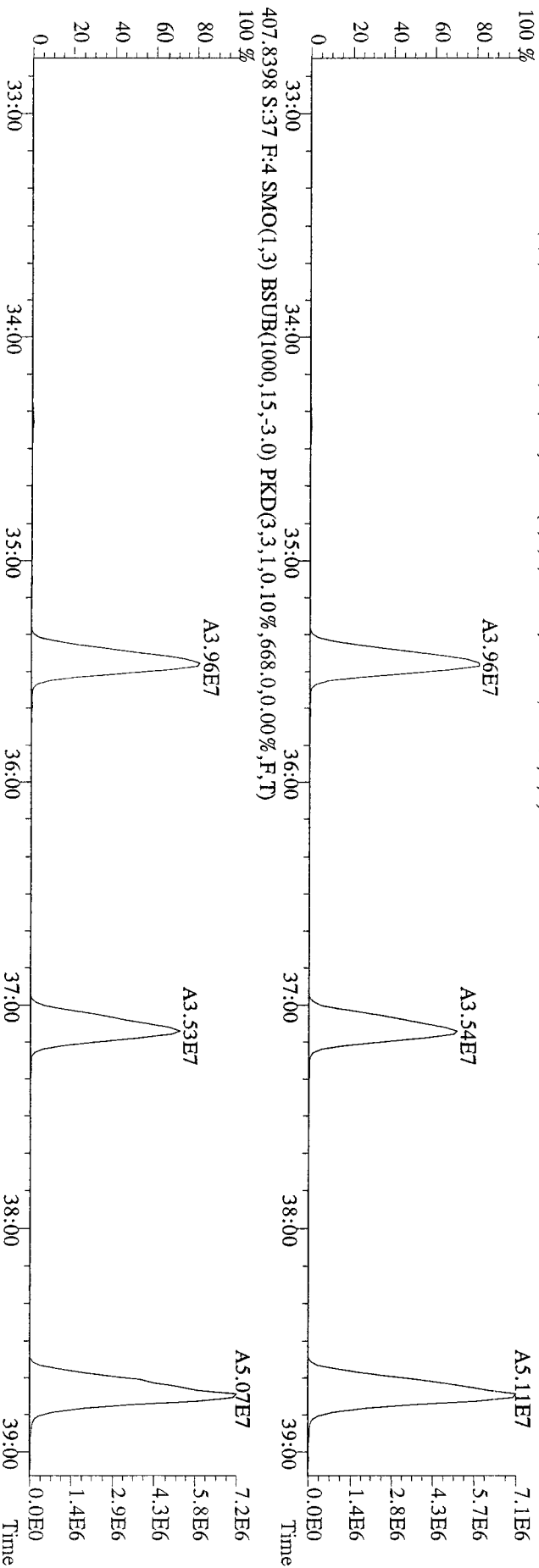
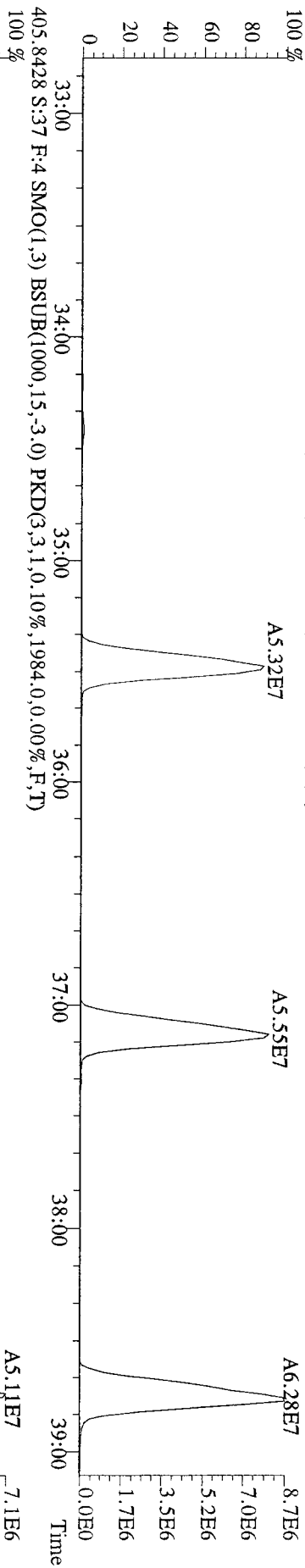
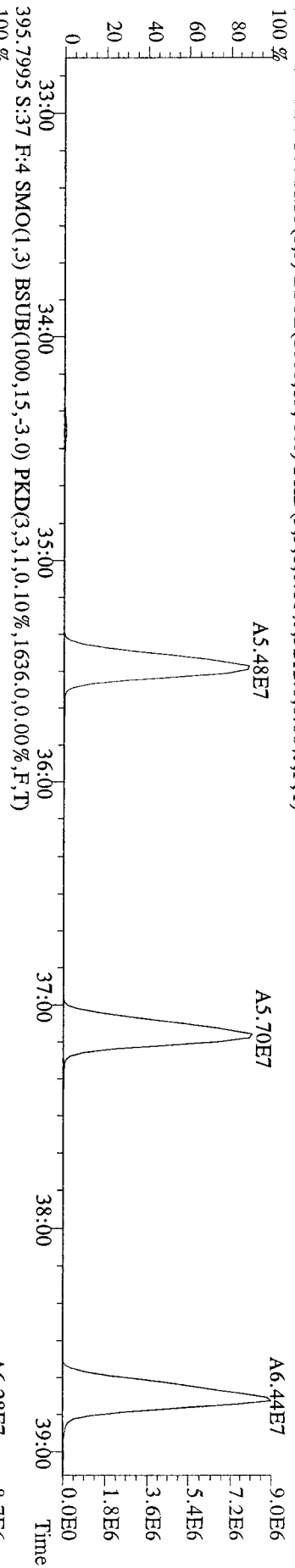
373.8788 S: 3.7 F: 4 SMO(1, 3) BSUB(1000, 15, -3.0) PKD(3, 3, 1, 0, 10%, 2952.0, 0.00%, F, T)



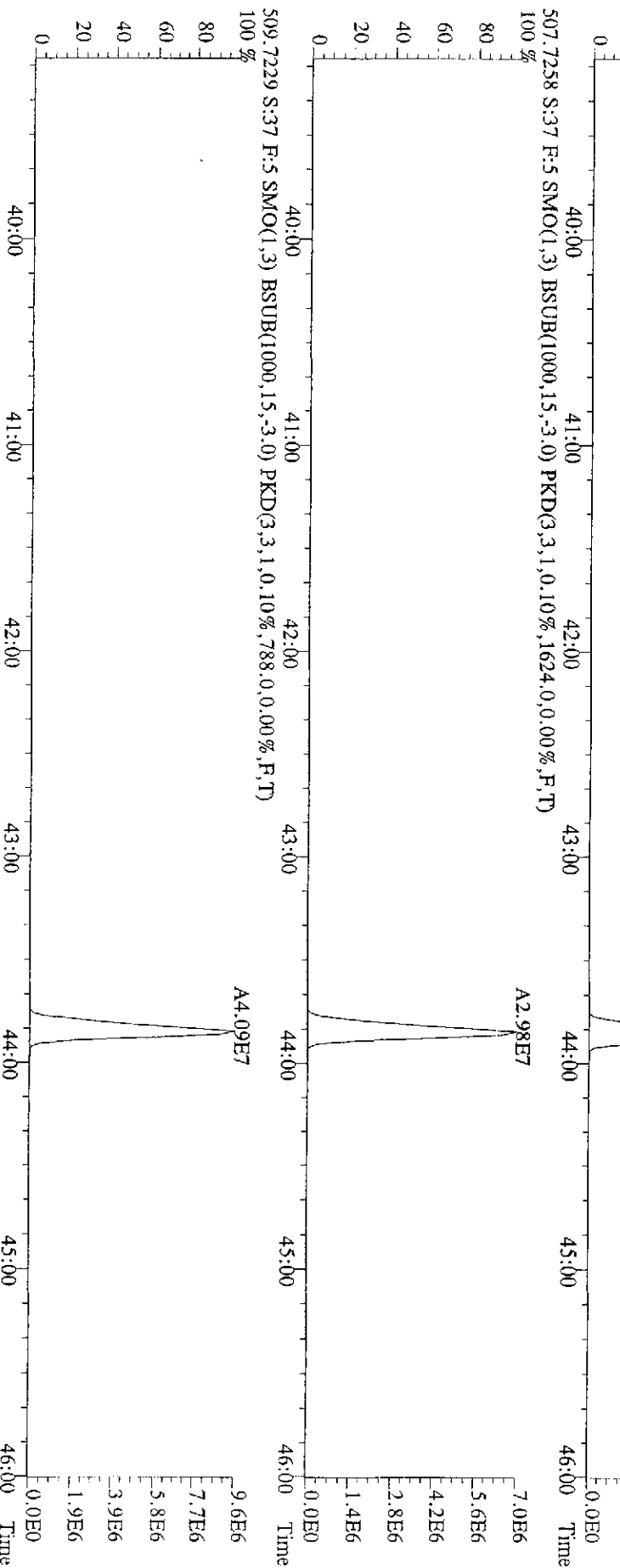
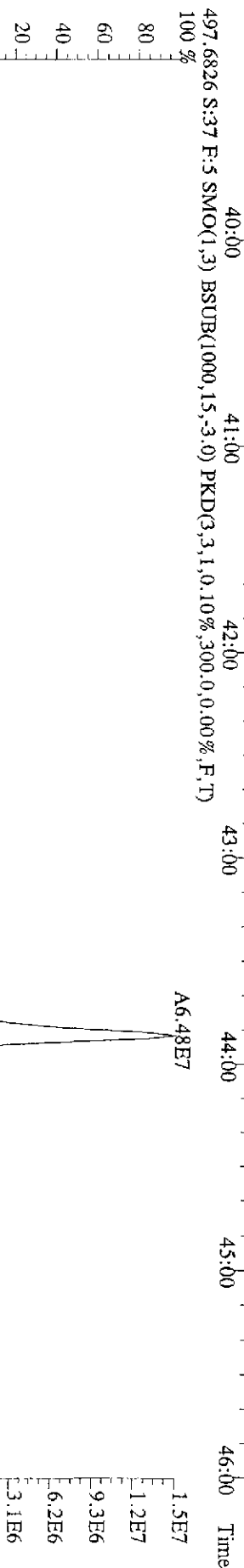
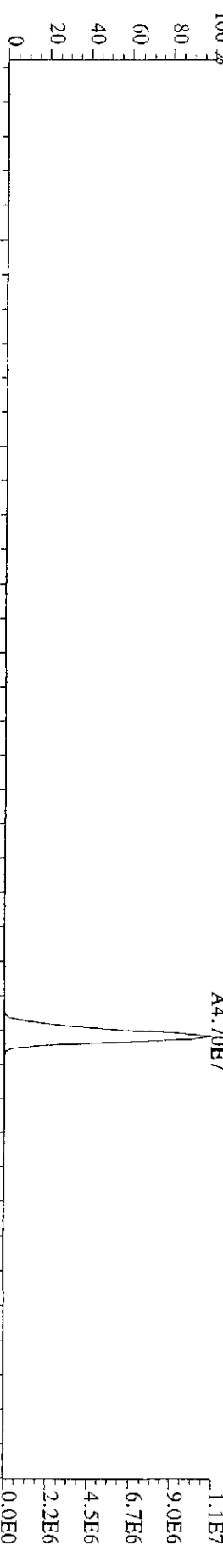
Manual Edit Codes  
 1 Peak not found  
 2 Poor chromatography  
 3 Baseline correction  
 4 Manual EDL calculation  
 5 Separate near eluters  
 6 Other

Analyst: SK Date: 9/3/05

File:28SE099D5 #1-388 Acq:29-SEP-2009 18:10:17 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#37 Text:LGQX-1-AC :G9125000-269C Exp:209DB5  
 393.8025 S:37 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3212.0,0.00%,F,T)  
 100 %



File:28SE099D5 #1-457 Acq:29-SEP-2009 18:10:17 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#37 Text:LLGOX-1-AC :G9125000-269C Exp:209DB5  
 497.6826 S:37 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,300,0,0.00%,F,T)  
 100 %



Run text: LKAGX-1-AC      Sample text: LKAGX-1-AC :G9I030266-6  
 Run #47 Filename: 28SE099D5    S: 39    I: 1      Results: 28se099d51668msldec  
 Acquired: 29-SEP-09    19:52:59      Processed: 30-SEP-09    07:33:32  
 Run: 28SE099D5      Analyte: 1668MSLDEC    Cal: 1668MSLDEC0709099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 8.70    g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	90065000	0.68 y	25:07	-	4.90	-	-	n
13C-TCB-81	63161400	0.79 y	26:42	1.11	144.86	0.34	63.0	n
TCB-81	158428	0.99 n	26:42	1.33	0.43	0.22	-	n
13C-TCB-77	66041300	0.80 y	27:15	1.16	145.12	0.33	63.1	n
TCB-77	611771	0.85 y	27:15	1.17	1.81	0.25	-	n
13C-PeCB-123	80252600	0.67 y	28:36	0.97	211.69	0.24	92.1	n
PeCB-123	461426	0.71 n	28:38	1.65	0.80	0.15	-	y
13C-PeCB-118	79249400	0.66 y	28:45	1.01	201.26	0.23	87.5	n
PeCB-118/106	6818940	0.67 y	28:46	1.65	12.02	0.15	-	y
13C-PeCB-114	79379700	0.66 y	29:23	1.03	197.57	0.23	85.9	n
PeCB-114	137664	0.48 n	29:24	1.73	0.23	0.14	-	n
13C-PeCB-105	80039400	0.65 y	30:15	0.97	210.59	0.24	91.6	n
PeCB-105/127	3907000	0.66 y	30:17	1.53	7.34	0.17	-	n
13C-PeCB-126	89575200	0.64 y	32:10	1.00	229.57	0.23	99.9	n
PeCB-126	229898	0.75 n	32:11	1.27	0.46	0.19	-	n
13C-OcCB-202	69159500	1.02 y	34:27	-	3.42	-	-	n
13C-HxCB-167	87159800	1.28 y	33:18	1.04	277.51	0.39	120.7	n
HxCB-167	691671	1.22 y	33:17	1.10	1.66	0.24	-	y
13C-HxCB-156	86997900	1.27 y	34:36	0.84	344.73	0.48	150.0	n
HxCB-156	1671908	1.26 y	34:37	1.50	2.94	0.18	-	n
13C-HxCB-157	84147500	1.26 y	34:54	0.88	317.60	0.46	138.2	n
HxCB-157	515130	1.31 y	34:55	1.50	0.94	0.18	-	n
13C-HxCB-169	85517500	1.27 y	36:45	0.92	309.69	0.44	134.7	n
HxCB-169	*	* n	NotFnd	0.99	*	0.28	-	n
13C-HpCB-180	64255600	0.99 y	35:33	0.74	287.23	0.32	124.9	n
HpCB-180	10142540	1.05 y	35:34	1.32	27.56	0.22	-	n
13C-HpCB-170	54015300	0.99 y	37:11	0.61	293.78	0.39	127.8	n
HpCB-170/190	4713200	1.05 y	37:13	1.63	12.33	0.22	-	n
13C-HpCB-189	77638800	0.98 y	38:48	0.76	338.77	0.32	147.4	n
HpCB-189	217668	1.31 n	38:49	1.22	0.53	0.20	-	n
13C-DeCB-209	13470460	0.76 y	43:54	0.62	71.66	0.24	31.2	n
DECB-209	1768639	0.73 y	43:55	1.48	20.43	0.63	-	n
13C-PeCB-111	79249400	0.66 y	28:45	1.32	172.81	0.23	75.2	n

*SL 9/30/09*

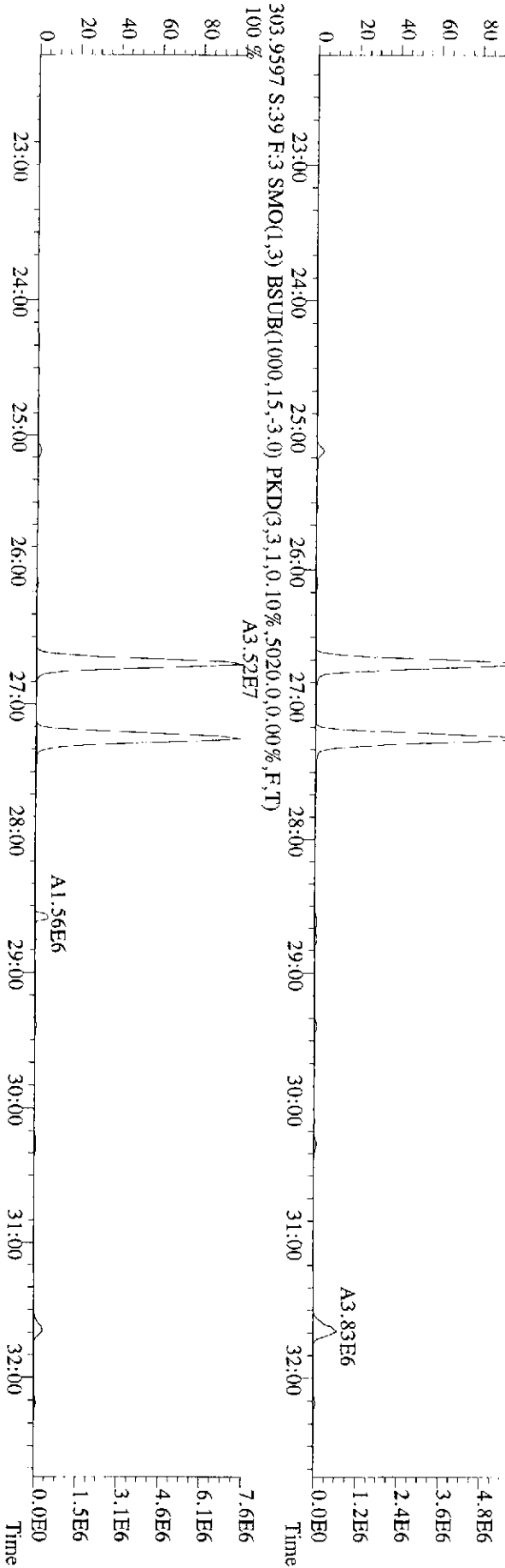
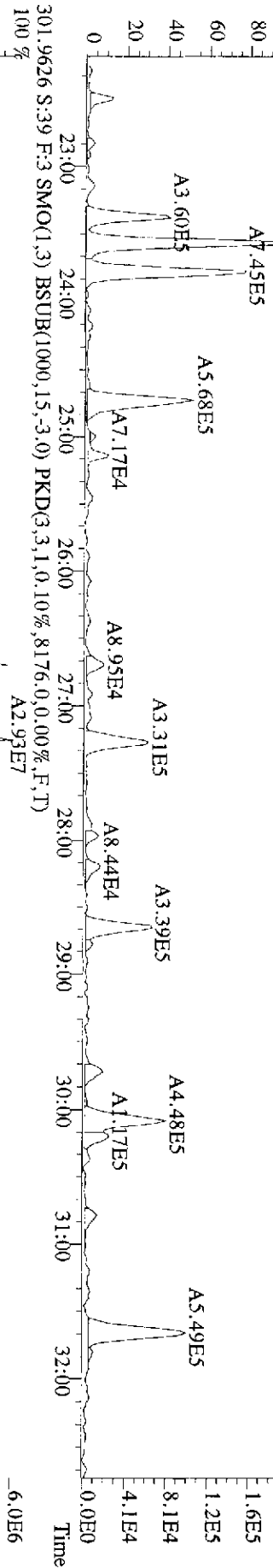
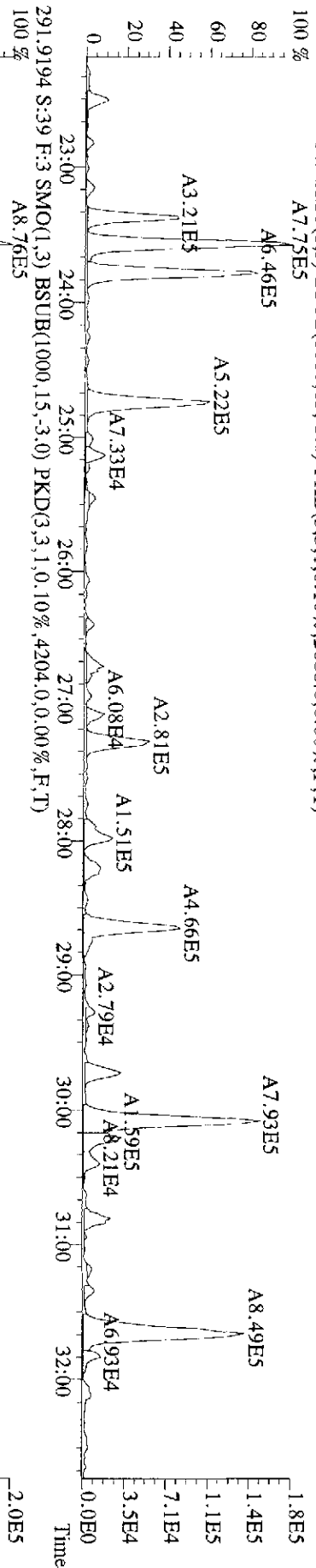


Run text: LKAGX-1-AC      Sample text: LKAGX-1-AC :G9I030266-6  
 Run #47 Filename: 28SE099D5    S: 39    I: 1      Results: 28SE099D51668MSLDEC  
 Acquired: 29-SEP-09    19:52:59      Processed: 30-SEP-09    07:33:32  
 Run: 28SE099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC0709099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 8.700000g

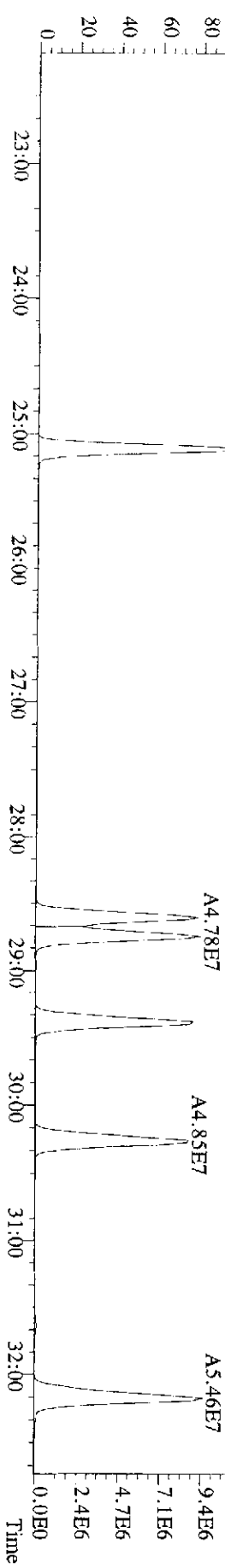
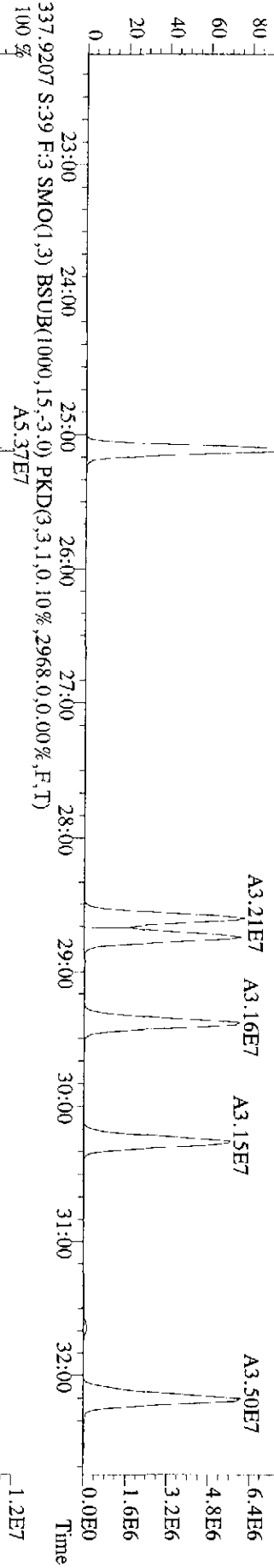
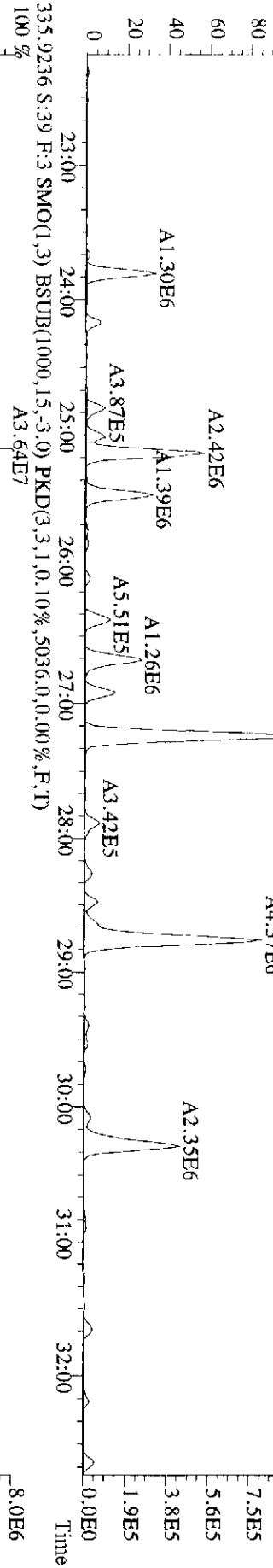
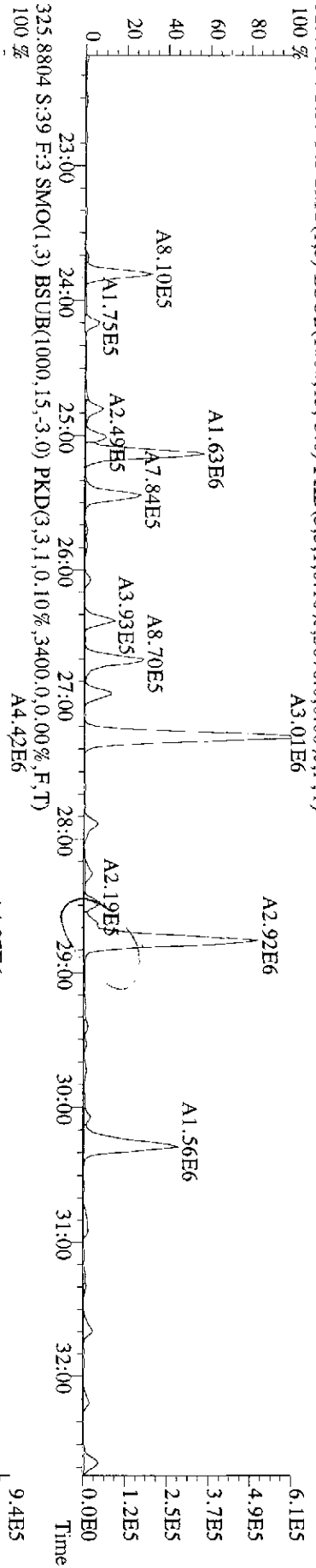
*sl = 2.3 / 23*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	90065004	0.68 y	25:07	-	4.90	-	-	n
13C-TCB-81	63161424	0.79 y	26:42	1.11	144.86	0.34	63.0	n
TCB-81	158428	0.99 n	26:42	1.33	0.43	0.22	-	n
13C-TCB-77	66041344	0.80 y	27:15	1.16	145.12	0.33	63.1	n
TCB-77	611772	0.85 y	27:15	1.17	1.81	0.25	-	n
13C-PeCB-123	80252564	0.67 y	28:36	0.97	211.69	0.24	92.1	n
PeCB-123	*	* n	NotFnd	1.65	*	0.15	-	n
13C-PeCB-118	79249418	0.66 y	28:45	1.01	201.26	0.23	87.5	n
PeCB-118/106	7298555	0.67 y	28:46	1.65	12.87	0.15	-	n
13C-PeCB-114	79379734	0.66 y	29:23	1.03	197.57	0.23	85.9	n
PeCB-114	137663	0.48 n	29:24	1.73	0.23	0.14	-	n
13C-PeCB-105	80039340	0.65 y	30:15	0.97	210.59	0.24	91.6	n
PeCB-105/127	3907003	0.66 y	30:17	1.53	7.34	0.17	-	n
13C-PeCB-126	89575132	0.64 y	32:10	1.00	229.57	0.23	99.9	n
PeCB-126	229899	0.75 n	32:11	1.27	0.46	0.19	-	n
13C-OcCB-202	69159524	1.02 y	34:27	-	3.42	-	-	n
13C-HxCB-167	87159868	1.28 y	33:18	1.04	277.51	0.39	120.7	n
HxCB-167	*	* n	NotFnd	1.10	*	0.24	-	n
13C-HxCB-156	86997880	1.27 y	34:36	0.84	344.73	0.48	150.0	n
HxCB-156	1671908	1.26 y	34:37	1.50	2.94	0.18	-	n
13C-HxCB-157	84147428	1.26 y	34:54	0.88	317.60	0.46	138.2	n
HxCB-157	515130	1.31 y	34:55	1.50	0.94	0.18	-	n
13C-HxCB-169	85517440	1.27 y	36:45	0.92	309.69	0.44	134.7	n
HxCB-169	*	* n	NotFnd	0.99	*	0.28	-	n
13C-HpCB-180	64255642	0.99 y	35:33	0.74	287.23	0.32	124.9	n
HpCB-180	10142547	1.05 y	35:34	1.32	27.56	0.22	-	n
13C-HpCB-170	54015344	0.99 y	37:11	0.61	293.78	0.39	127.8	n
HpCB-170/190	4713200	1.05 y	37:13	1.63	12.33	0.22	-	n
13C-HpCB-189	77638788	0.98 y	38:48	0.76	338.77	0.32	147.4	n
HpCB-189	217668	1.31 n	38:49	1.22	0.53	0.20	-	n
13C-DeCB-209	13470459	0.76 y	43:54	0.62	71.66	0.24	31.2	n
DECB-209	1768634	0.73 y	43:55	1.48	20.43	0.63	-	n
13C-PeCB-111	79249418	0.66 y	28:45	1.32	172.81	0.23	75.2	n

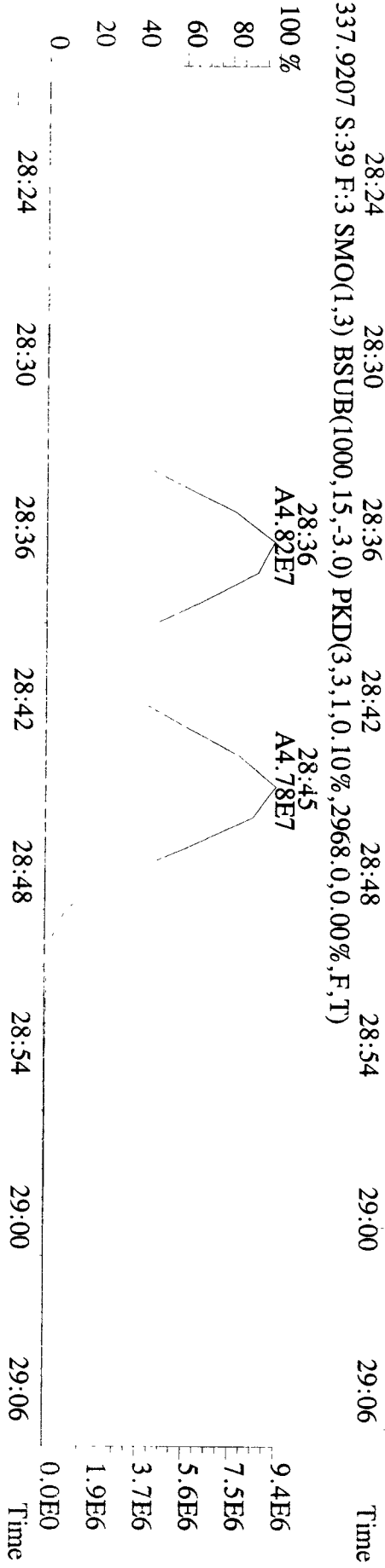
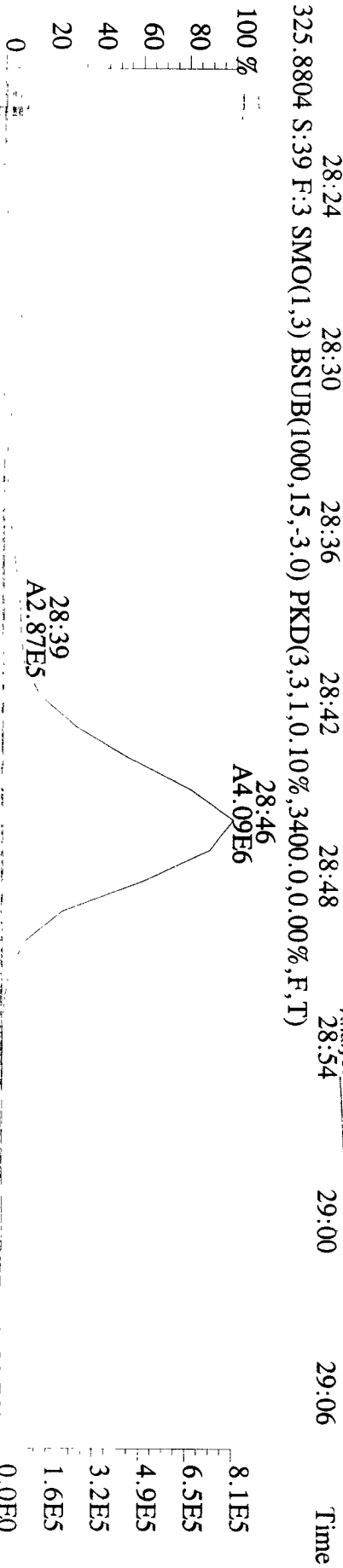
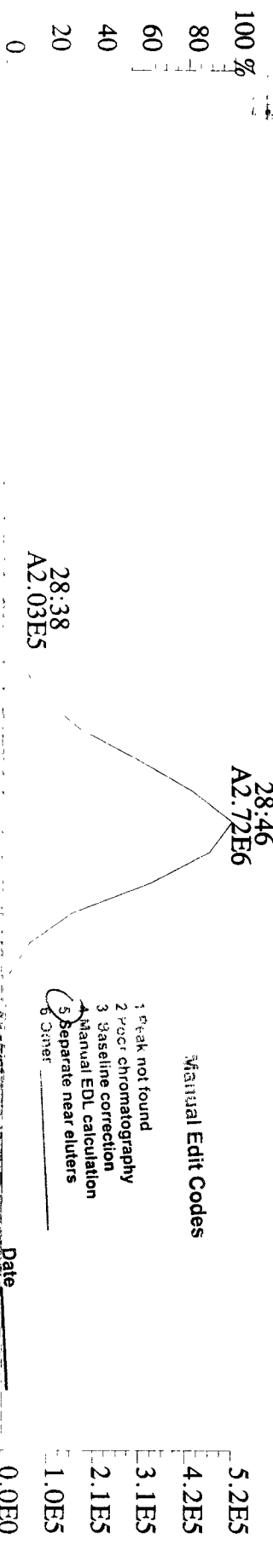
File:28SE099D5 #1-594 Acq:29-SEP-2009 19:52:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#39 Text:LKAGX-1-AC :G9I030266-6 Exp:209DB5  
 289.9224 S:39 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2688,0,0.00%,F,T)  
 100% A7.75E5



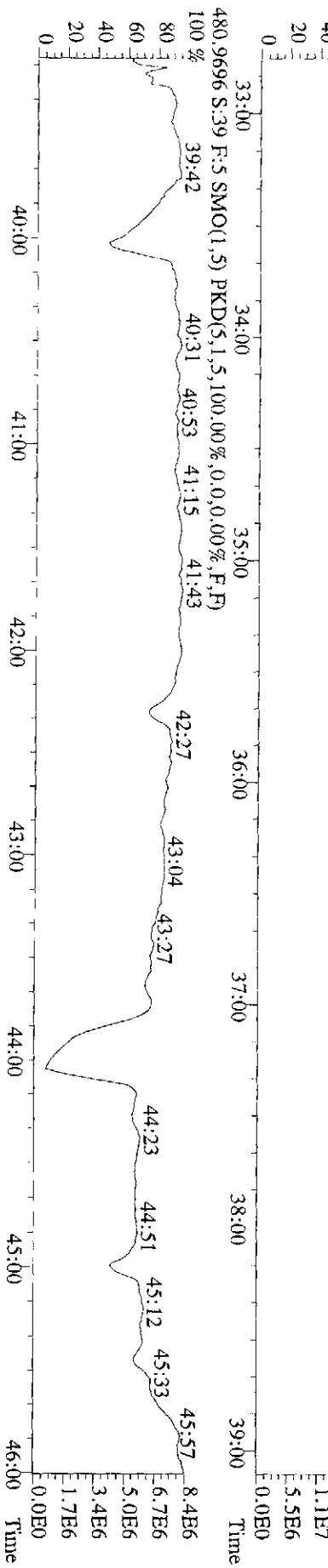
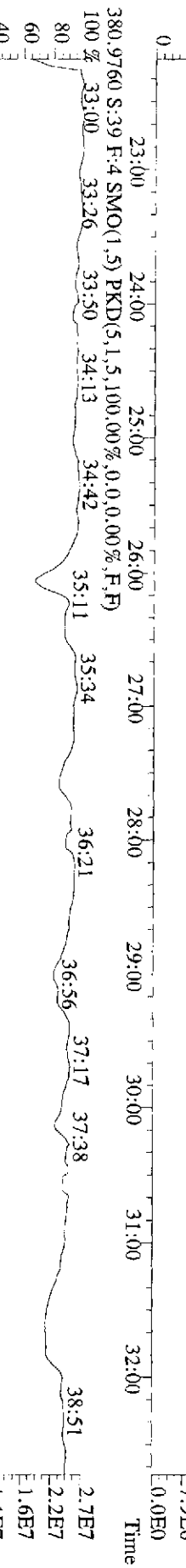
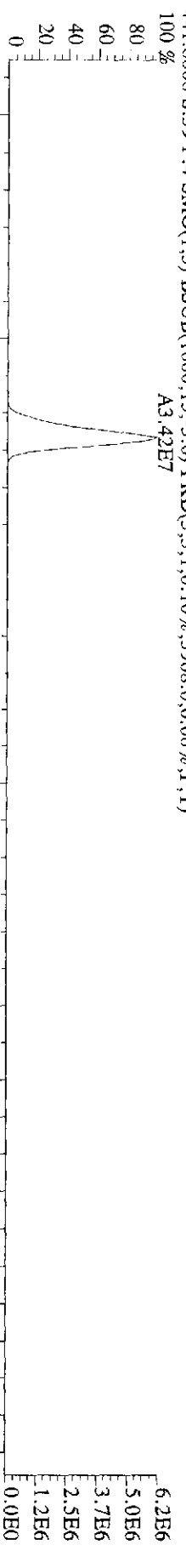
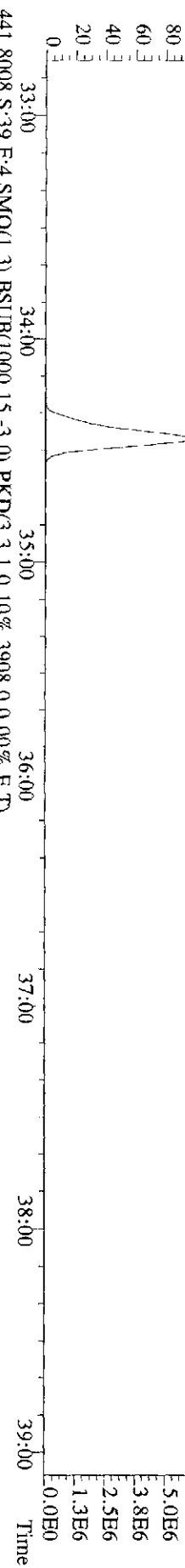
File:28SE099D5 #1-594 Acq:29-SEP-2009 19:52:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#39 Text:LKAGX-1-AC :G9I030266-6 Exp:209DB5  
 323.8834 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3076,0,0,00%,F,T)  
 100 %



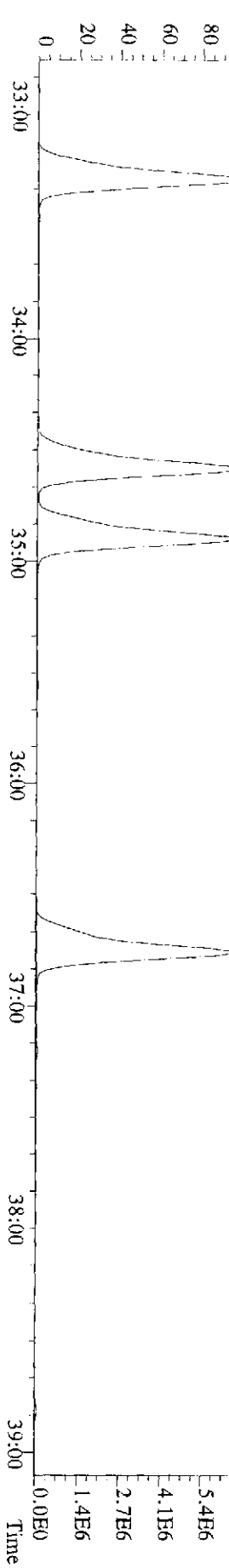
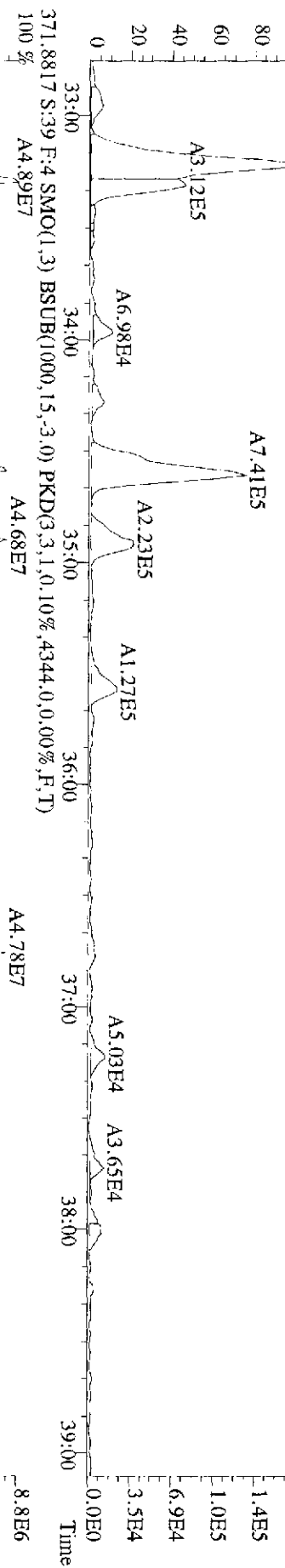
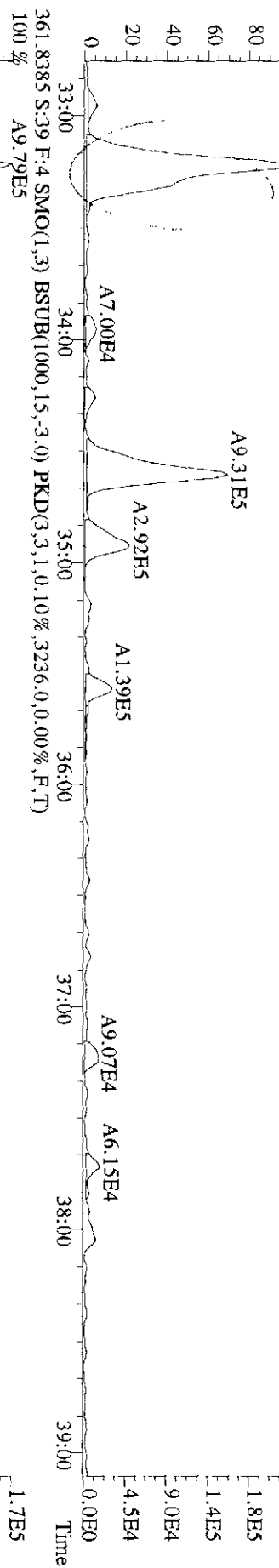
File: 23SE099D5 #1-594 Acq: 29-SEP-2009 19:52:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#39 Text: LKAGX-1-AC : G91030266-6 Exp: 209DBS  
 323.8834 S:39 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3076.0,0.00%,F,T)



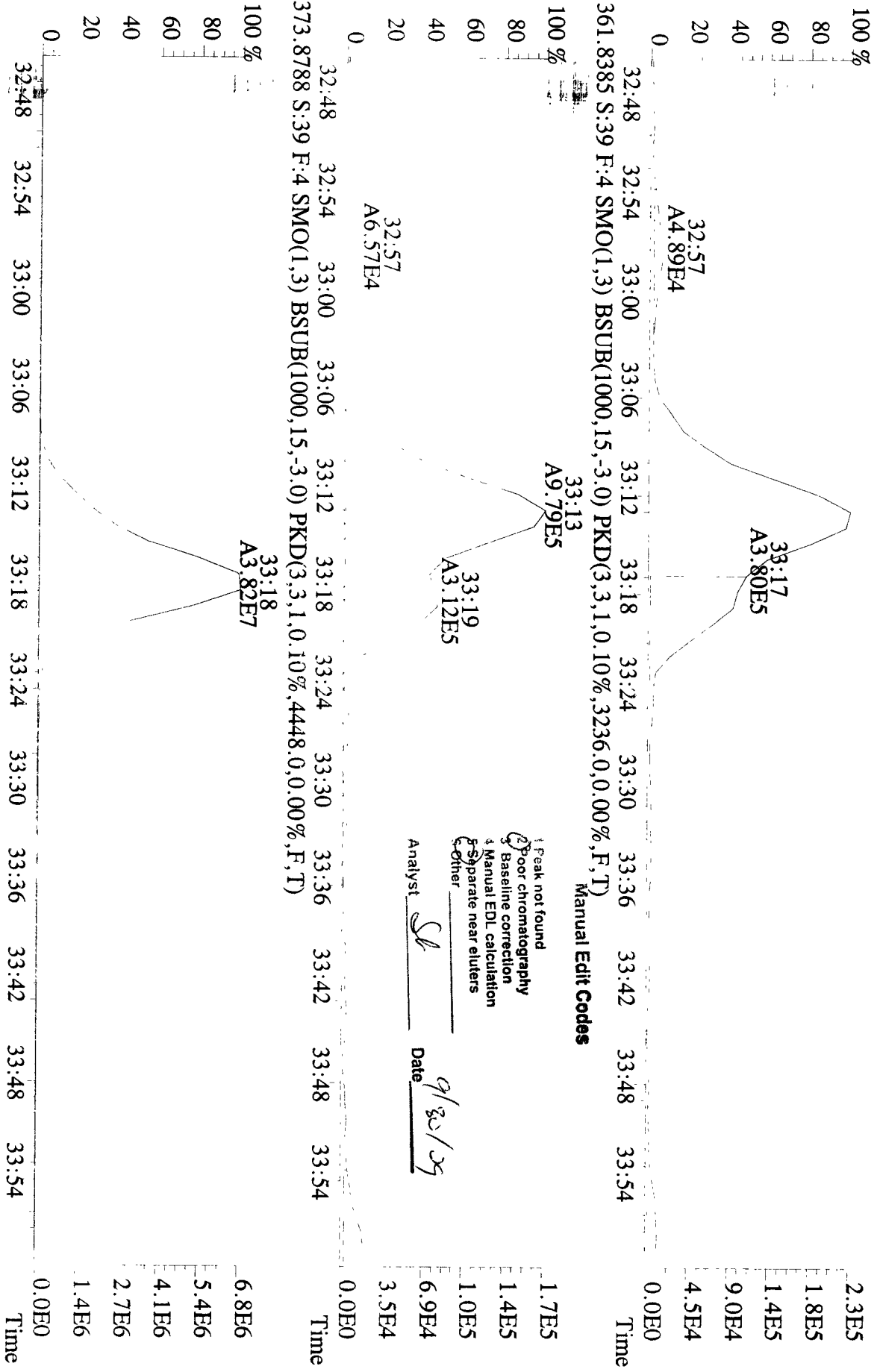
File: 28SEP09D5 #1-388 Acq: 29-SEP-2009 19:52:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#39 Text: LKAGX-1-AC : G9I030266-6 Exp: 209DB5  
 439.8038 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3048,0,0.00%,F,T)



File: 28SEP09D5 #1-388 Acq: 29-SEP-2009 19:52:59 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#39 Text: LKAGX-1-AC : G9I030266-6 Exp: 209DB5  
 359.8415 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,3900.0,0.00%,F,T)  
 100% A1.70E6



File: 28SSE099D5 #1-388 Acq: 29-SEP-2009 19:52:59 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#39 Text: LKAGX-1-AC : G91030266-6 Exp: 209DB5  
 359.8415 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3900,0,0,00%,F,T)



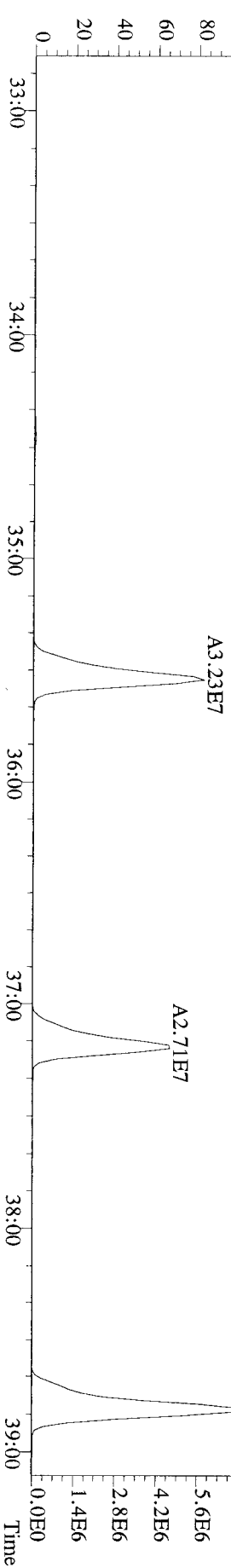
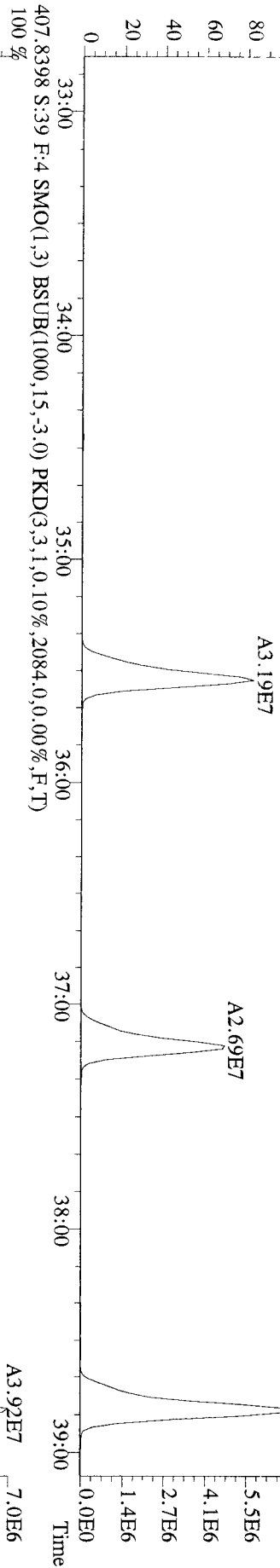
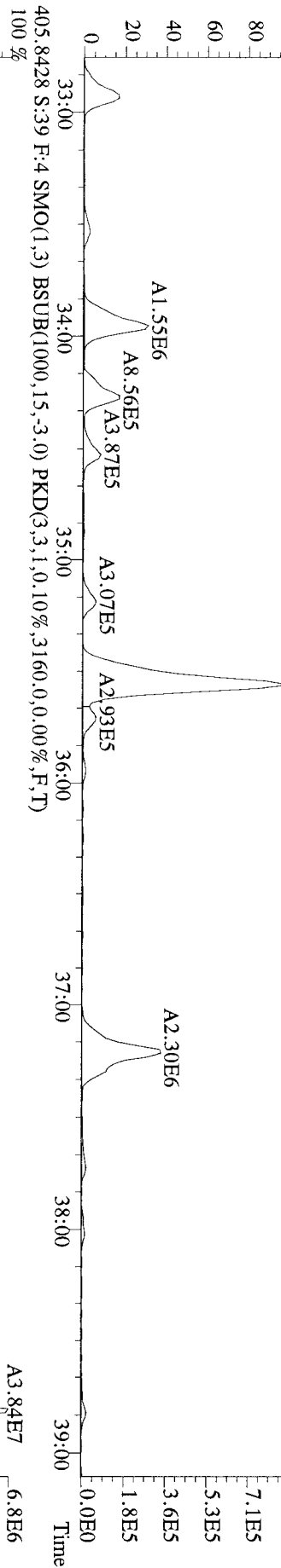
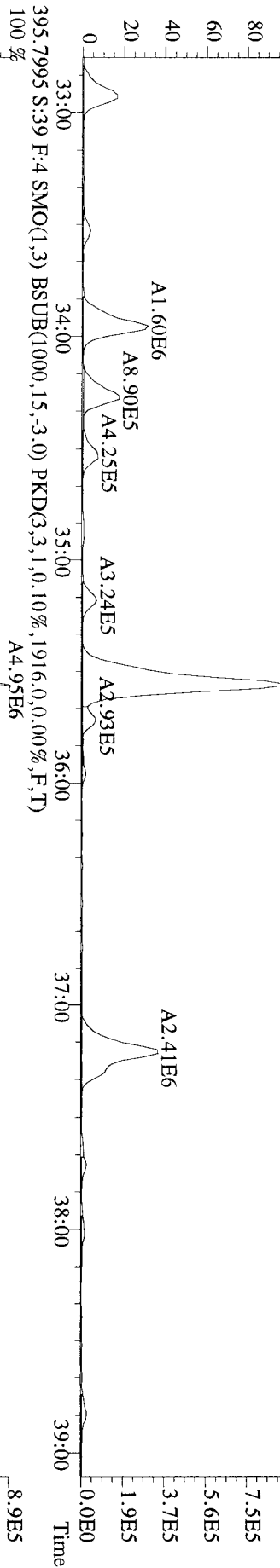
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst SL Date 9/30/09

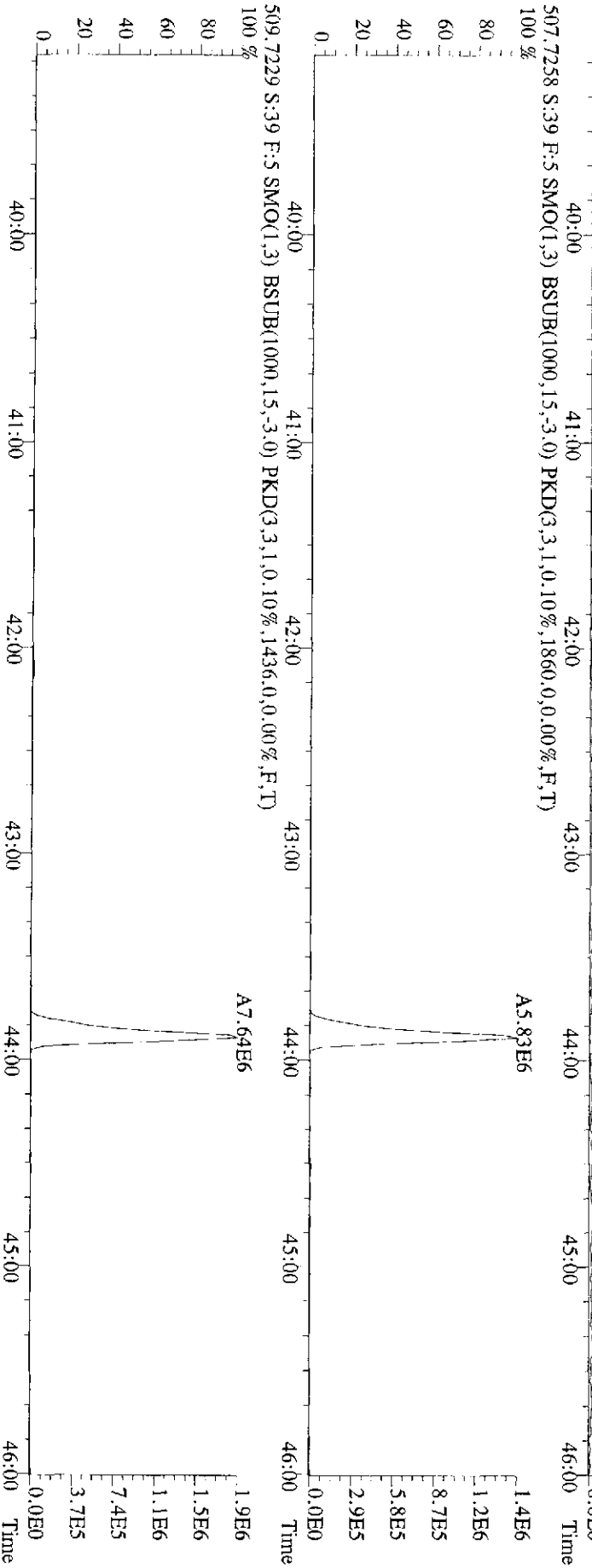
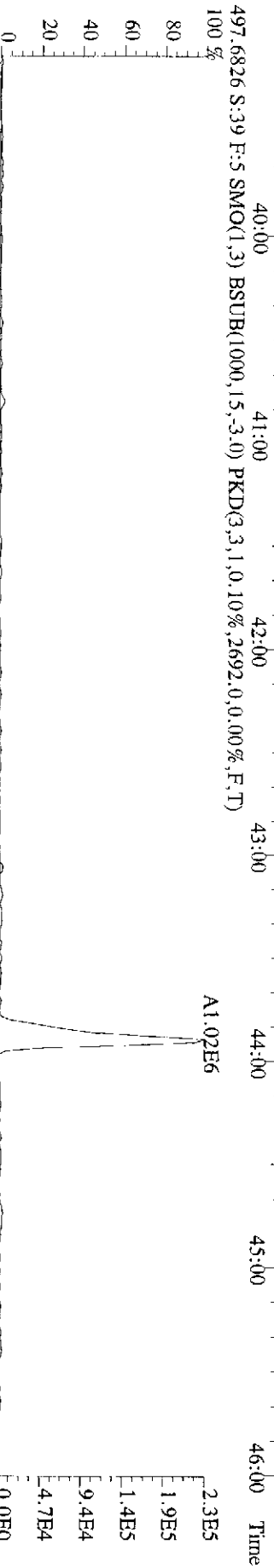
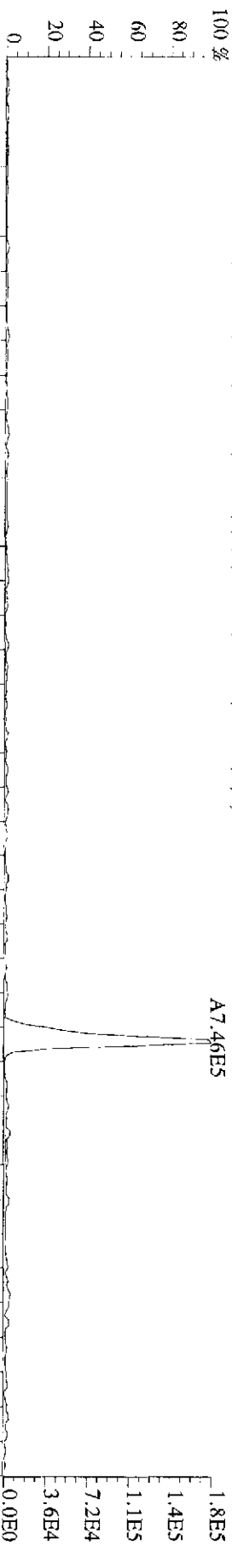
373.8788 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4448,0,0,00%,F,T)

File:28SIE099D5 #1-388 Acq:29-SEP-2009 19:52:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#39 Text:LKAGX-1-AC :G9I030266-6 Exp:209DB5  
 393.8025 S:39 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,.3976,0,0.00%,F,T)  
 100 % A5.19E6





File:28SE099D5 #1-457 Acq:29-SEP-2009 19:52:59 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#39 Text:LKAGX-1-AC :G91030266-6 Exp:209DB5  
 495.6856 S:39 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2680,0,0,00%,F,T)  
 100 %



Run text: LKAG2-1-AC      Sample text: LKAG2-1-AC :G9I030266-7  
 Run #48 Filename: 28SE099D5    S: 40    I: 1      Results: 28se099d51668msldec  
 Acquired: 29-SEP-09    20:44:23      Processed: 30-SEP-09    07:33:33  
 Run: 28SE099D5      Analyte: 1668MSLDEC    Cal: 1668MSLDEC0709099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 10.52 g

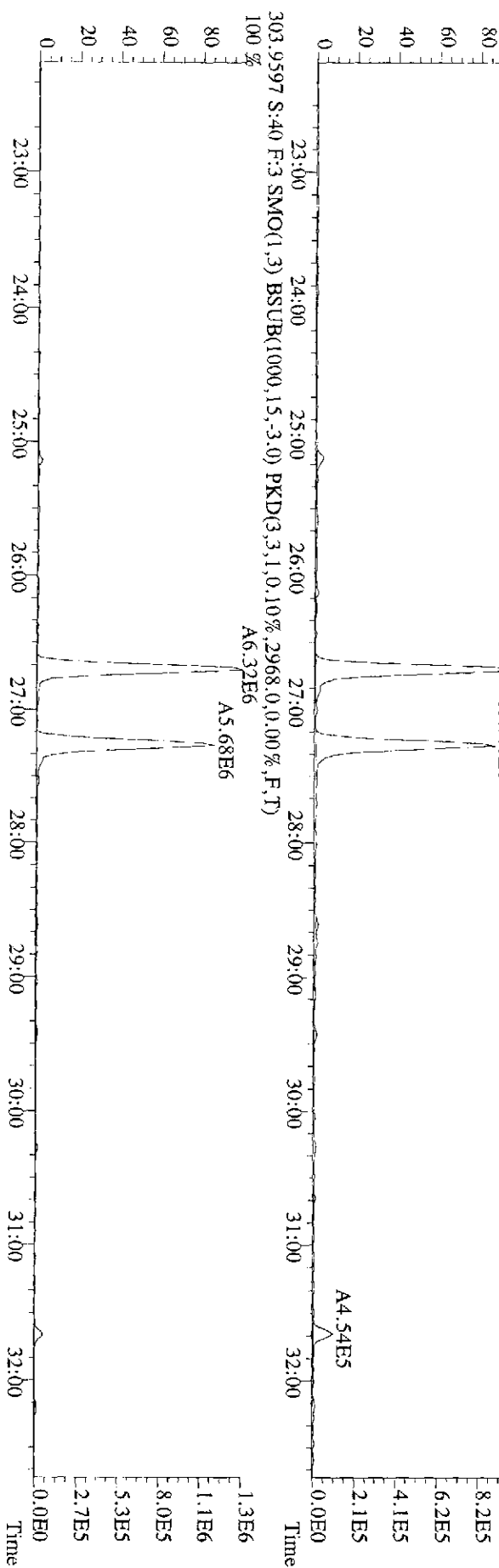
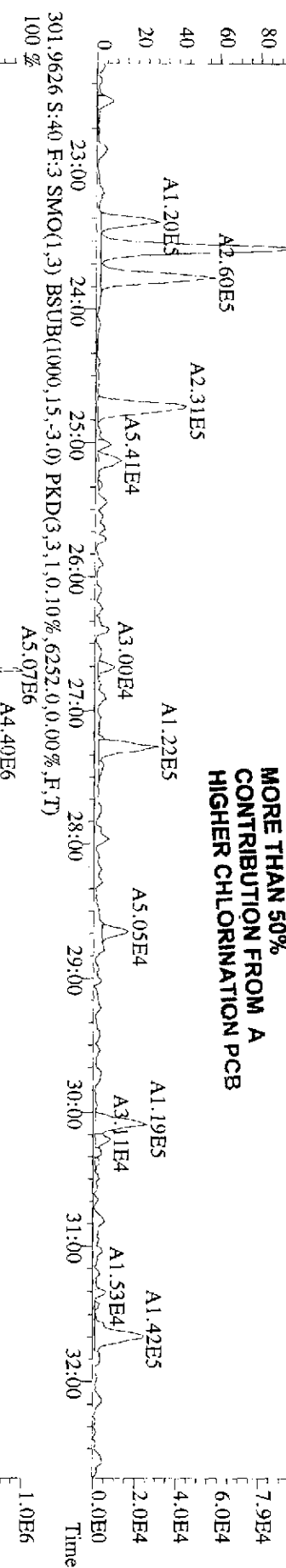
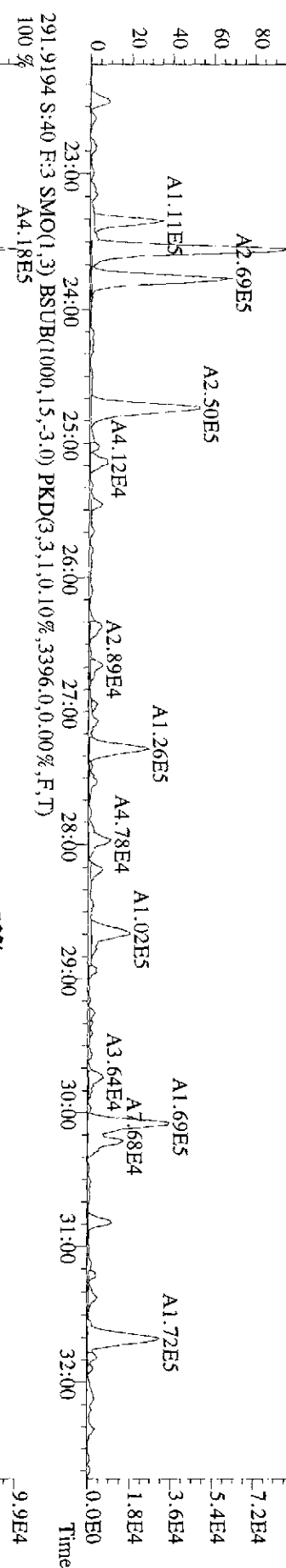
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	13102180	0.69 y	25:07	-	0.59	-	-	n
13C-TCB-81	11385160	0.80 y	26:42	1.11	148.45	1.33	78.1	n
TCB-81	53080	0.96 n	26:39	1.33	0.67	0.78	-	n
13C-TCB-77	10083620	0.77 y	27:16	1.16	125.96	1.28	66.3	n
TCB-77	216701	1.03 n	27:17	1.17	3.48 <i>nd/g</i>	1.01	-	n
13C-PeCB-123	13133360	0.67 y	28:37	0.97	196.94	1.20	103.6	n
PeCB-123	138454	0.76 n	28:39	1.65	1.21	0.42	-	n
13C-PeCB-118	14931580	0.69 y	28:46	1.01	215.56	1.16	113.4	n
PeCB-118/106	2854910	0.61 y	28:47	1.65	22.09 ✓	0.37	-	n
13C-PeCB-114	13645180	0.67 y	29:24	1.03	193.07	1.14	101.6	n
PeCB-114	92365	0.67 y	29:25	1.73	0.75	0.39	-	n
13C-PeCB-105	14304750	0.64 y	30:16	0.97	213.96	1.20	112.5	n
PeCB-105/127	1564809	0.65 y	30:17	1.53	13.60 ✓	0.42	-	n
13C-PeCB-126	13232170	0.63 y	32:11	1.00	192.78	1.17	101.4	n
PeCB-126	97851	0.36 n	32:11	1.27	1.11	0.57	-	n
13C-OcCB-202	11342430	0.99 y	34:27	-	0.46	-	-	n
13C-HxCB-167	12962600	1.25 y	33:18	1.04	208.12	1.02	109.5	n
HxCB-167	232881	1.34 y	33:18	1.10	3.11 ✓	0.62	-	y
13C-HxCB-156	12874340	1.22 y	34:35	0.84	257.24	1.27	135.3	n
HxCB-156	450955	1.32 y	34:37	1.50	4.43 ✓	0.46	-	n
13C-HxCB-157	12090240	1.25 y	34:54	0.88	230.10	1.20	121.0	n
HxCB-157	106576	0.73 n	34:55	1.50	1.12	0.50	-	n
13C-HxCB-169	11696420	1.23 y	36:48	0.92	213.59	1.16	112.3	n
HxCB-169	*	* n	NotFnd	0.99	*	1.02	-	n
13C-HpCB-180	10668390	1.03 y	35:33	0.74	240.48	0.98	126.5	n
HpCB-180	2700860	1.10 y	35:34	1.32	36.55	1.51	-	n
13C-HpCB-170	7925320	0.99 y	37:13	0.61	217.35	1.19	114.3	n
HpCB-170/190	1165255	0.94 y	37:14	1.63	17.18	1.81	-	n
13C-HpCB-189	11527590	0.99 y	38:50	0.76	253.64	0.96	133.4	n
HpCB-189	*	* n	NotFnd	1.22	*	1.53	-	n
13C-DeCB-209	1093843	0.75 y	43:56	0.62	29.34	0.66	15.4	n
DeCB-209	*	* n	NotFnd	1.48	*	3.51	-	n
13C-PeCB-111	14931580	0.69 y	28:46	1.32	153.30	0.87	80.6	n

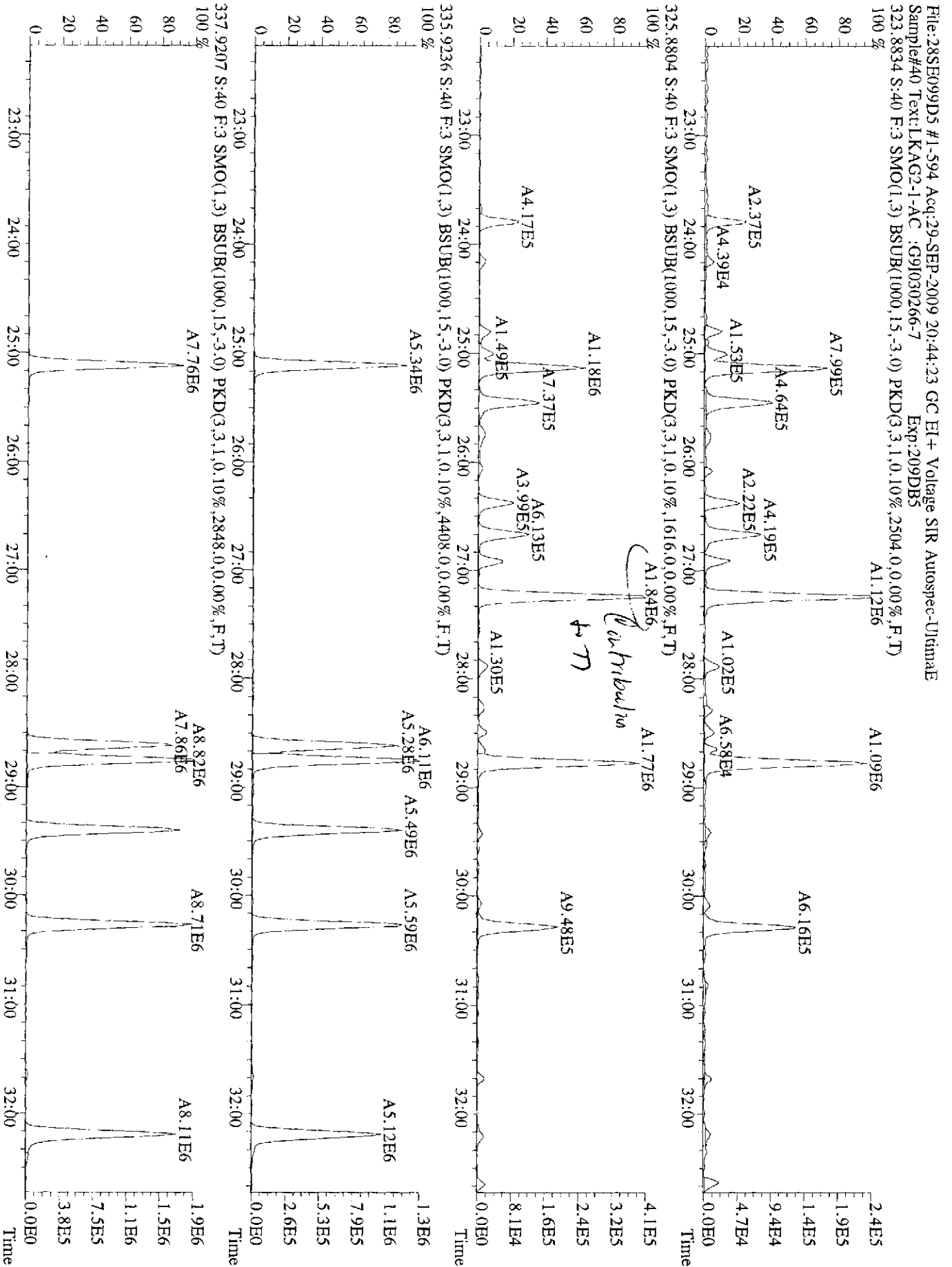
*Ja 9/30/09*

Run text: LKAG2-1-AC Sample text: LKAG2-1-AC :G9I030266-7  
 Run #48 Filename: 28SE099D5 S: 40 I: 1 Results: 28SE099D51668MSLDEC  
 Acquired: 29-SEP-09 20:44:23 Processed: 30-SEP-09 07:33:33  
 Run: 28SE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0709099D5  
 Factor 1: 1.000 Factor 2: 20.000 Sample size: 10.52007g

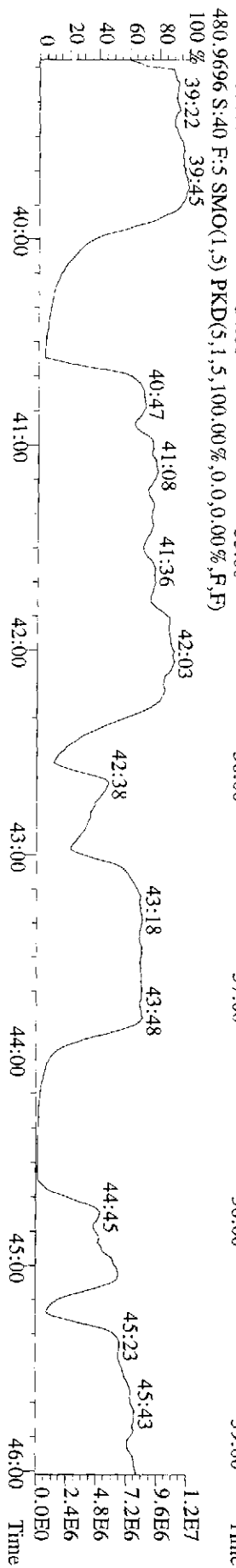
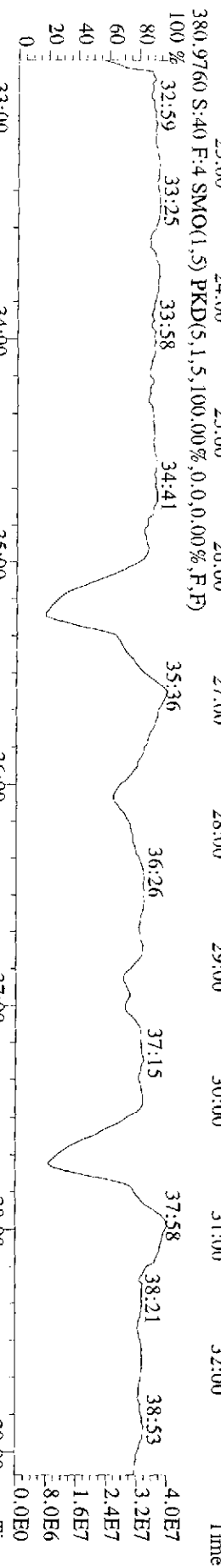
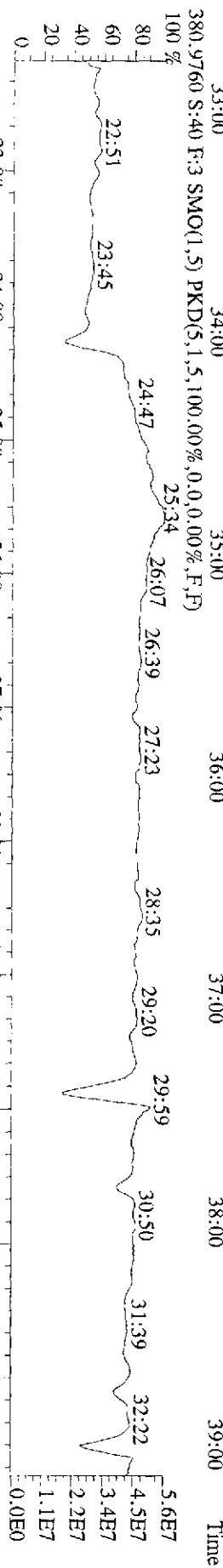
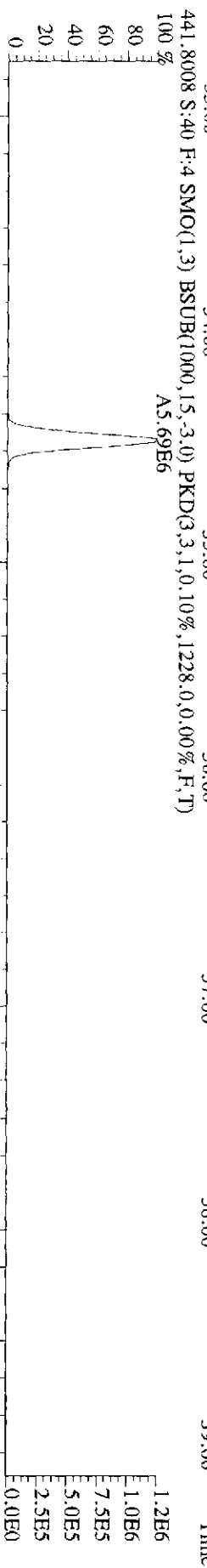
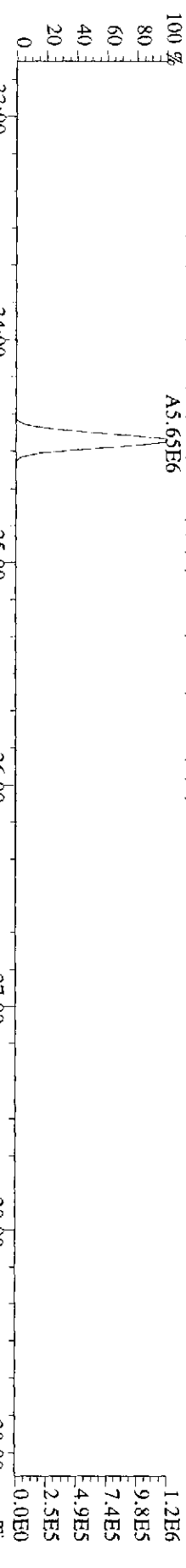
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	13102175	0.69 y	25:07	-	0.59	-	-	n
13C-TCB-81	11385162	0.80 y	26:42	1.11	148.45	1.33	78.1	n
TCB-81	53080	0.96 n	26:39	1.33	0.67	0.78	-	n
13C-TCB-77	10083620	0.77 y	27:16	1.16	125.96	1.28	66.3	n
TCB-77	216701	1.03 n	27:17	1.17	3.48 <i>MD/G</i>	1.01	-	n
13C-PeCB-123	13133352	0.67 y	28:37	0.97	196.94	1.20	103.6	n
PeCB-123	138454	0.76 n	28:39	1.65	1.21	0.42	-	n
13C-PeCB-118	14931577	0.69 y	28:46	1.01	215.56	1.16	113.4	n
PeCB-118/106	2854911	0.61 y	28:47	1.65	22.09 ✓	0.37	-	n
13C-PeCB-114	13645172	0.67 y	29:24	1.03	193.07	1.14	101.6	n
PeCB-114	92365	0.67 y	29:25	1.73	0.75	0.39	-	n
13C-PeCB-105	14304742	0.64 y	30:16	0.97	213.96	1.20	112.5	n
PeCB-105/127	1564809	0.65 y	30:17	1.53	13.60 ✓	0.42	-	n
13C-PeCB-126	13232174	0.63 y	32:11	1.00	192.78	1.17	101.4	n
PeCB-126	97851	0.36 n	32:11	1.27	1.11	0.57	-	n
13C-OcCB-202	11342440	0.99 y	34:27	-	0.46	-	-	n
13C-HxCB-167	12962592	1.25 y	33:18	1.04	208.12	1.02	109.5	n
HxCB-167	607347	1.76 n	33:14	1.10	8.10	0.62	-	n
13C-HxCB-156	12874338	1.22 y	34:35	0.84	257.24	1.27	135.3	n
HxCB-156	450955	1.32 y	34:37	1.50	4.43	0.46	-	n
13C-HxCB-157	12090243	1.25 y	34:54	0.88	230.10	1.20	121.0	n
HxCB-157	106576	0.73 n	34:55	1.50	1.12	0.50	-	n
13C-HxCB-169	11696423	1.23 y	36:48	0.92	213.59	1.16	112.3	n
HxCB-169	*	* n	NotFnd	0.99	*	1.02	-	n
13C-HpCB-180	10668388	1.03 y	35:33	0.74	240.47	0.98	126.5	n
HpCB-180	2700863	1.10 y	35:34	1.32	36.55	1.51	-	n
13C-HpCB-170	7925319	0.99 y	37:13	0.61	217.35	1.19	114.3	n
HpCB-170/190	1165254	0.94 y	37:14	1.63	17.18	1.81	-	n
13C-HpCB-189	11527589	0.99 y	38:50	0.76	253.64	0.96	133.4	n
HpCB-189	*	* n	NotFnd	1.22	*	1.53	-	n
13C-DeCB-209	1093842	0.75 y	43:56	0.62	29.34	0.66	15.4	n
DECB-209	*	* n	NotFnd	1.48	*	3.51	-	n
13C-PeCB-111	14931577	0.69 y	28:46	1.32	153.30	0.87	80.6	n

File:28SE099D5 #1-594 Acq:29-SEP-2009 20:44:23 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#40 Text:LKAG2-1-AC :G9I030266-7 Exp:209DB5  
 289.9224 S:40 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1688,0,0,00%,F,T)  
 A3.83E5

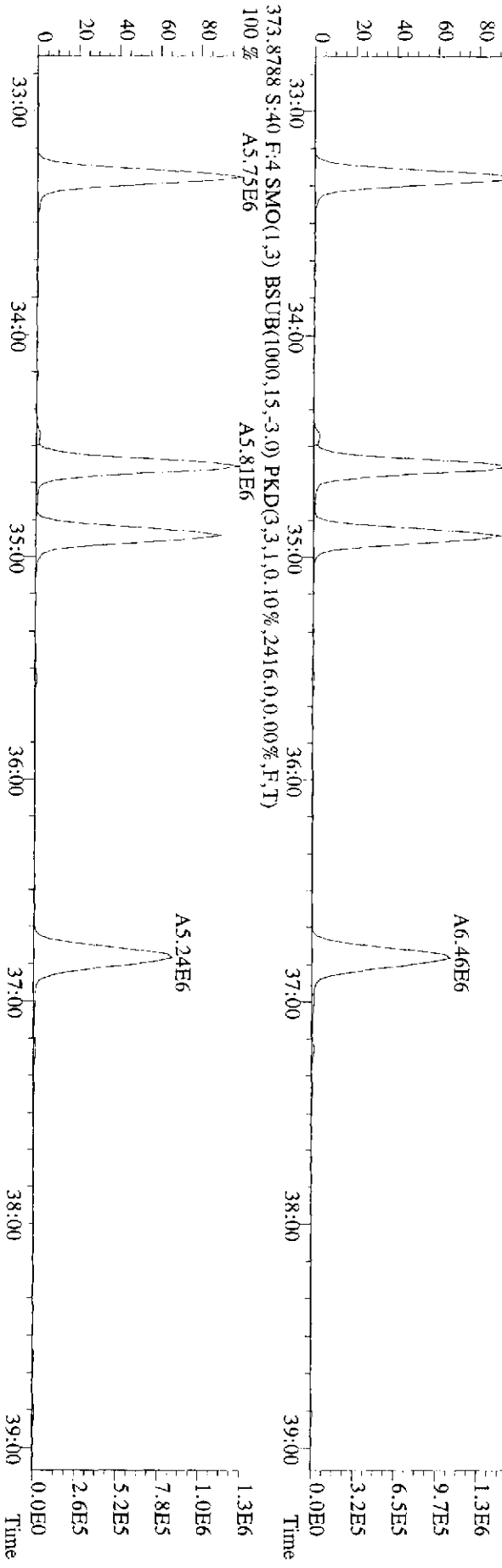
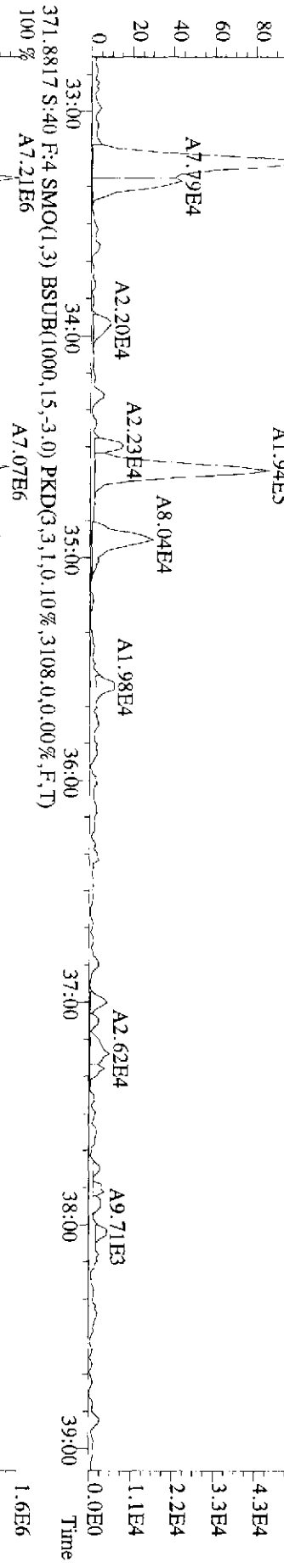
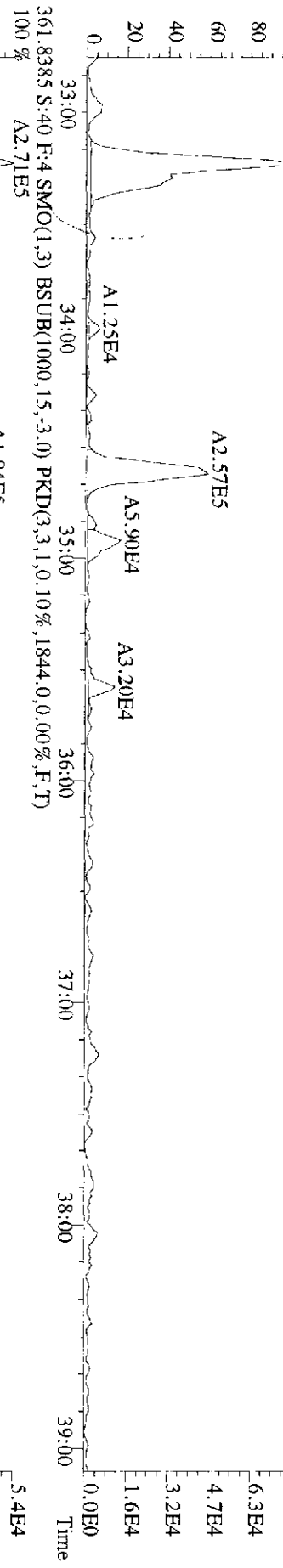




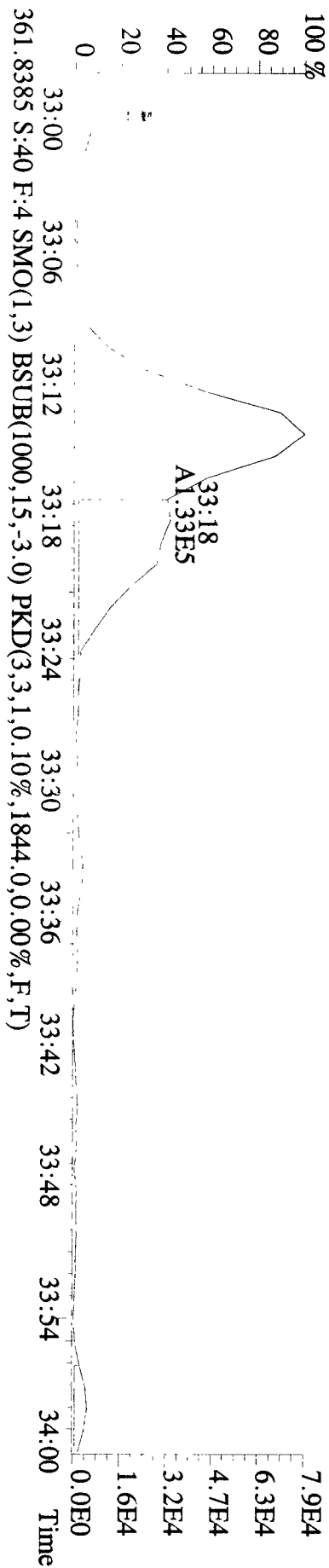
File: 28SEB099D5 #1-388 Acq: 29-SEP-2009 20:44:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#40 Text: LKAG2-1-AC : G9I030266-7 Exp: 209DBS  
 439.8038 S:40 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,928.0,0.00%,F,T)  
 A5.65E6



File: 288E099D5 #1-388 Acq: 29-SEP-2009 20:44:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#40 Text: LKAG2-1-AC :G91030266-7 Exp: 209DB5  
 359.8415 S:40 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2304,0,0,00%,F,T)  
 100% A4.77E5



File: 28SE099D5 #1-388 Acq: 29-SEP-2009 20:44:23 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#40 Text: LKAG2-1-AC : G9I030266-7 Exp: 209DB5  
 359.8415 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2304.0,0.00%,F,T)



Manual Edit Codes

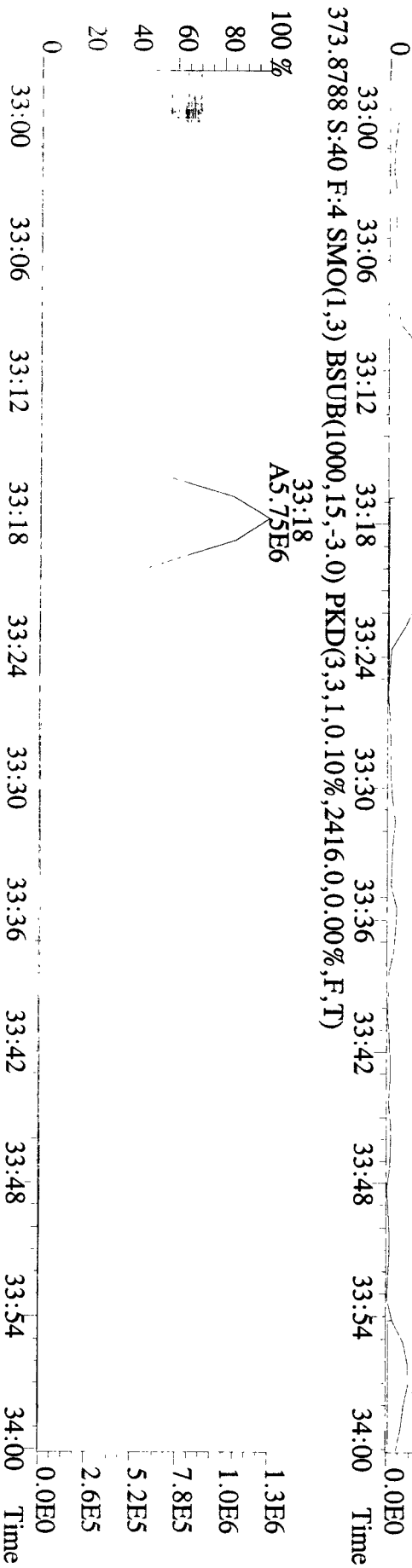
- Peak not found
- Proc. chromatography
- Baseline correction
- Manual EDL calculation
- Separate near eluters
- Other

Analyst

*Sk*

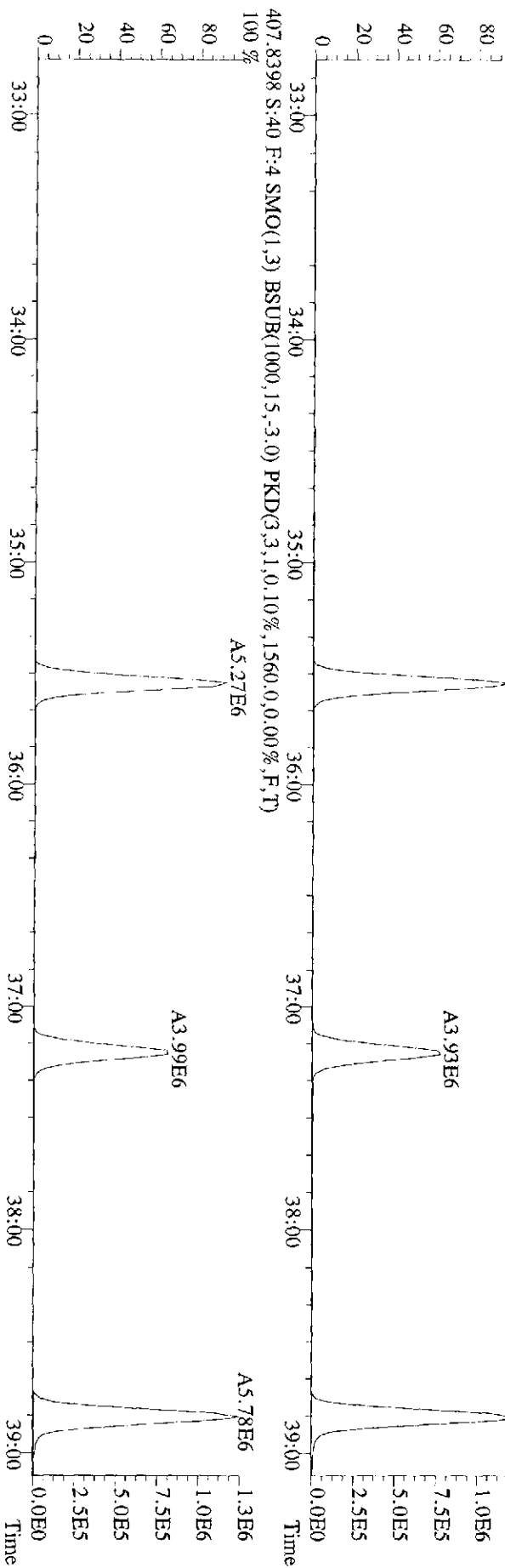
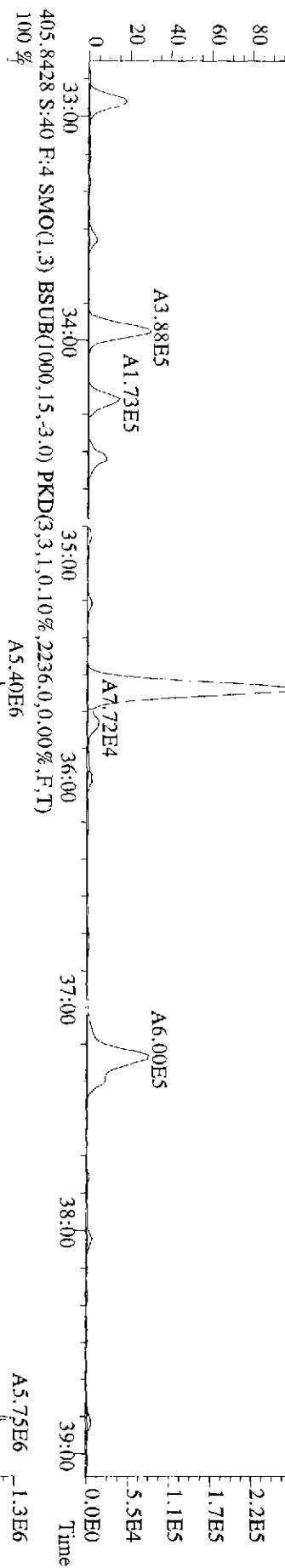
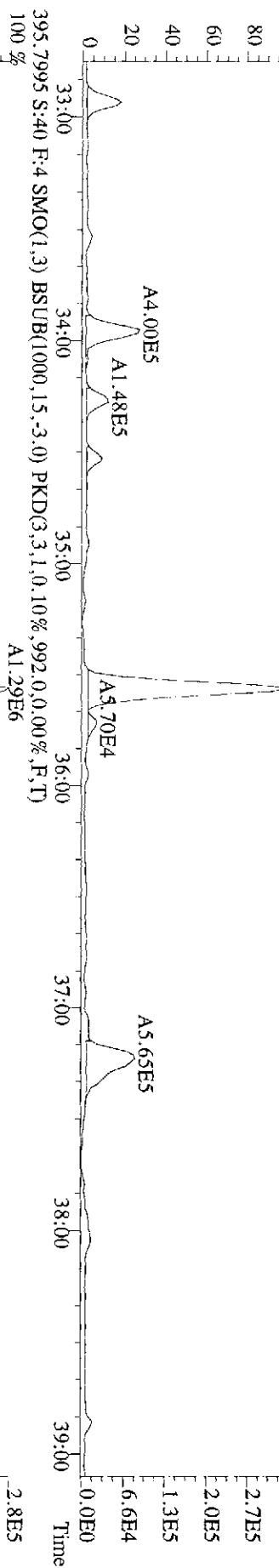
Date

9/20/09

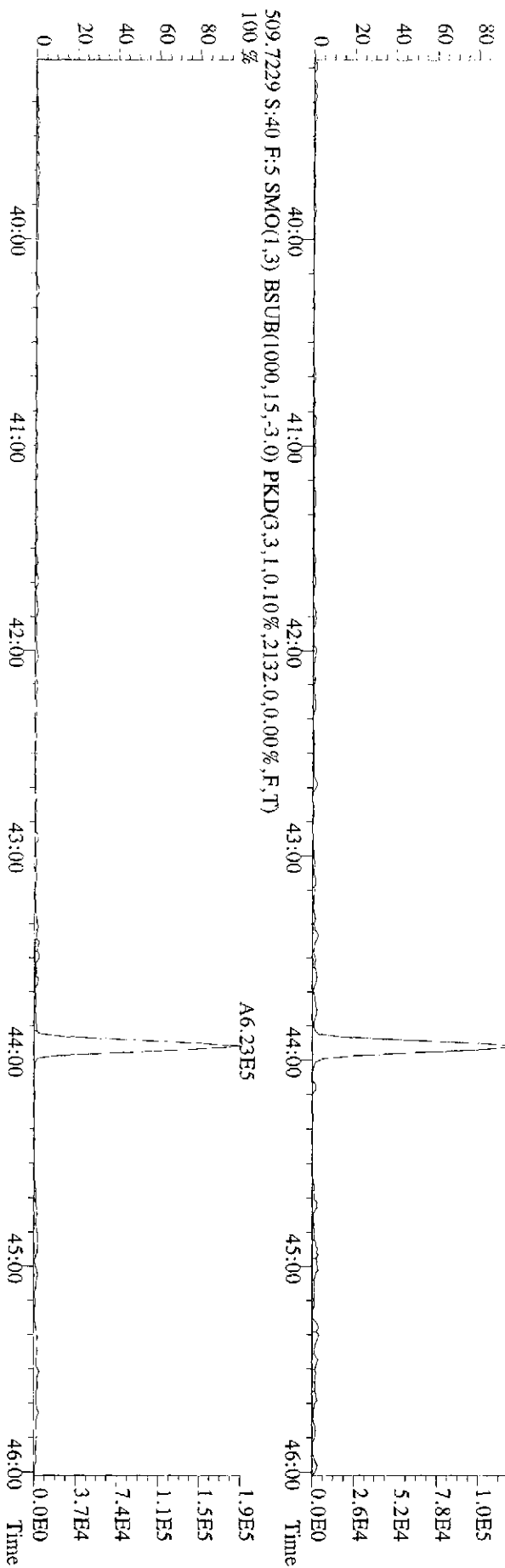
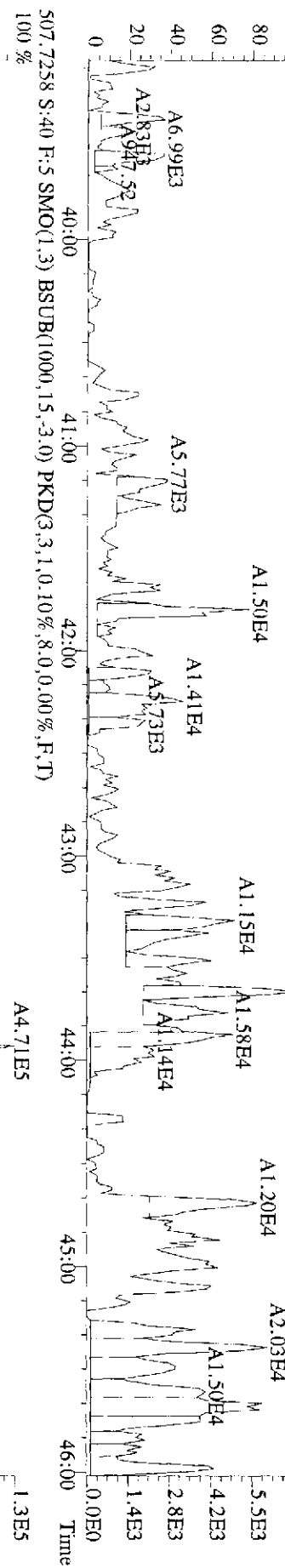
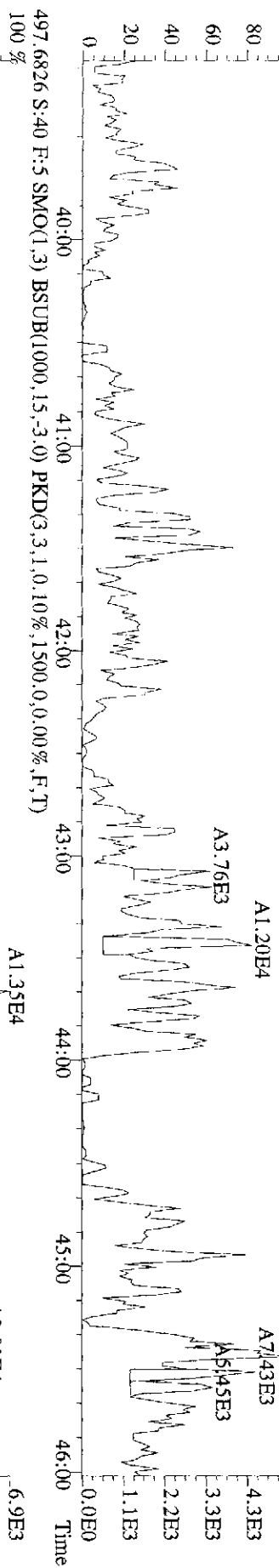




File: 28SEID99D5 #1-388 Acq: 29-SEP-2009 20:44:23 GC: EI+ Voltage: SIR Autospec-Ultimate  
 Sample#40 Text: LKAG2-1-AC : G91030266-7 Exp: 209DB5  
 393.8025 S:40 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,8844,0,0,0,0%,F,T)  
 100%



File: 28SE099D5 #1-458 Acq: 29-SEP-2009 20:44:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#40 Text: LKAG2-1-AC :G91030266-7 Exp: 209DB5  
 495.6856 S:40 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1920,0,0,00%,F,T)



## Daily Calibration Checklist Methods 1668 and 1614

Method ID 1668 (MSL)

Associated ICAL 1668MSL DEC 07 09 09 05

Column ID DB-5

Instrument ID 9D5

STD ID 570928C

STD Solution 09DXN207

Analyzed by KAS

Date Analyzed 9/29/09

Std. Pkg. By NA

Date Std. Pkg. Assembled 9/30/09

Std. Pkg. Reviewed By SMA

Date Std. Pkg. Reviewed 9/30/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\* **Method 1668A (PCBs):** ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

**Method 1614 (DBDs/DBFs):** ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* **Method 1668A (PCBs):** resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

**Method 1614 (DBDs/DBFs):** a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

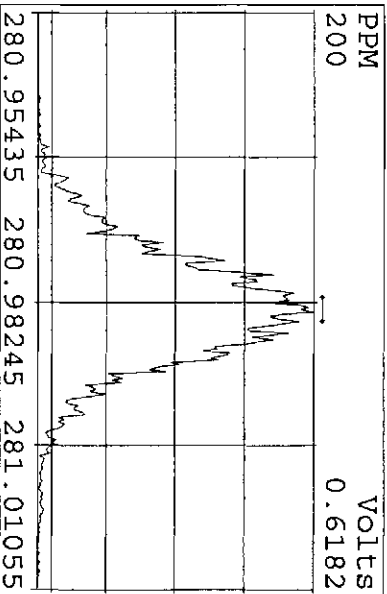
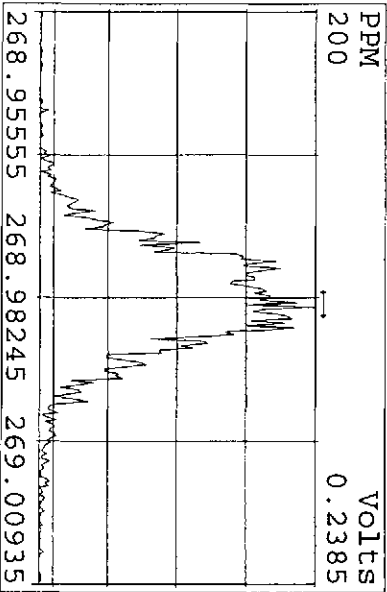
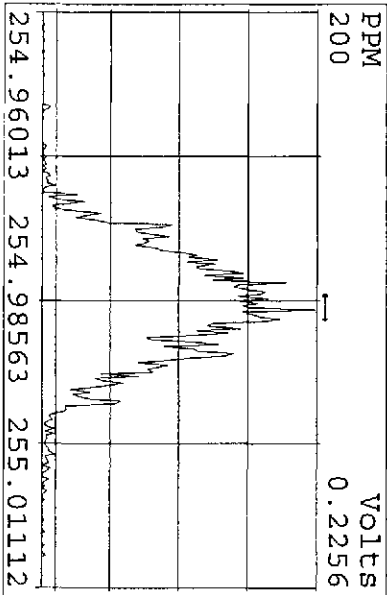
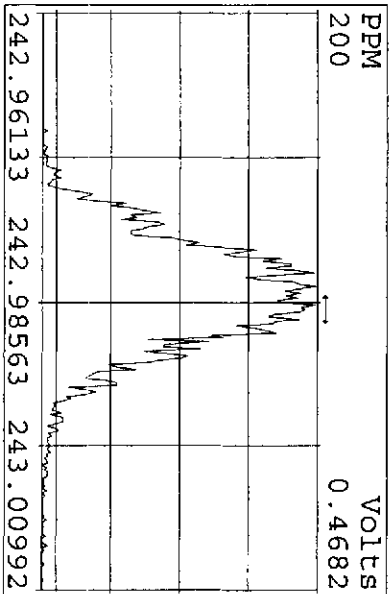
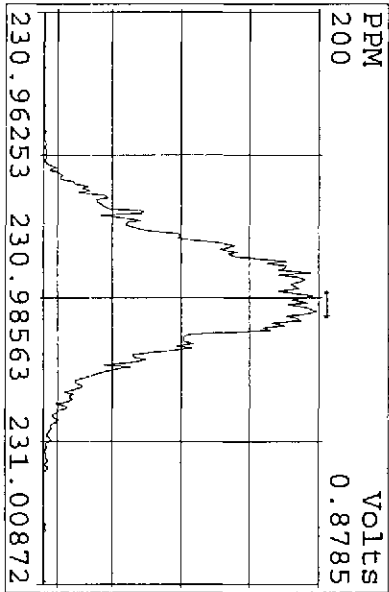
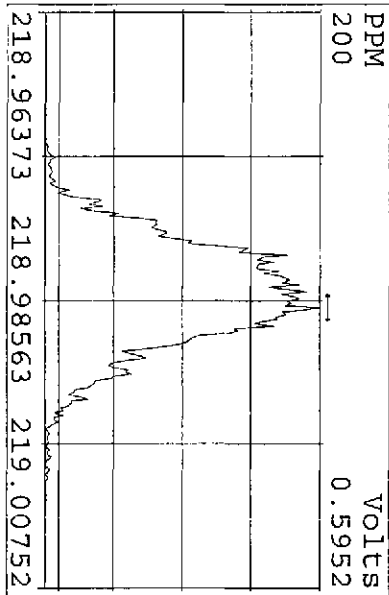
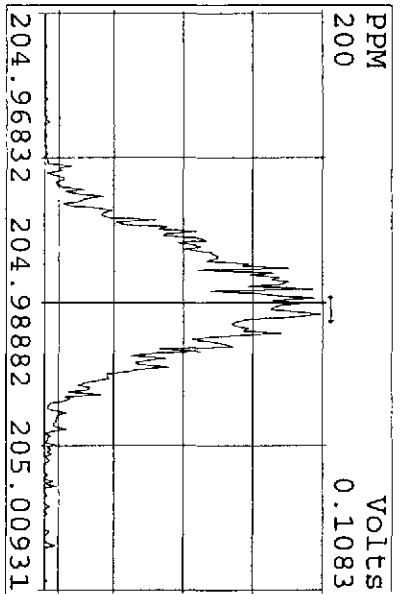
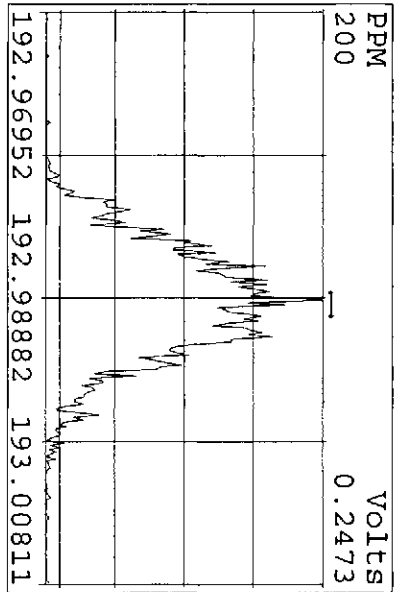
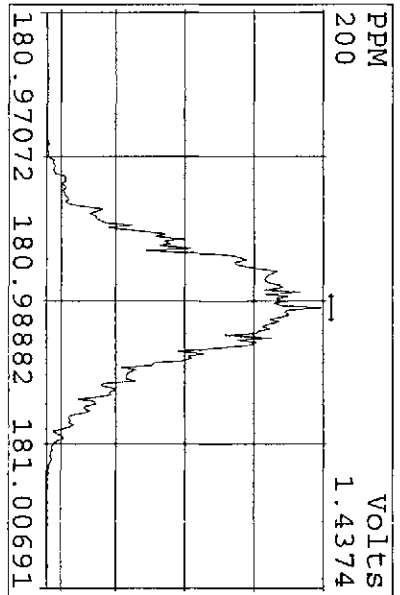
Run text: ST0928C File text: ST0928C :CS3 09DXN207  
 Run #33 Filename 28SE099D5 S: 34 I: 1  
 Acquired: 29-SEP-09 15:36:10 Processed: 29-SEP-09 16:24:25  
 Run: 28SE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0709099D5 Results: 28SE099D51668MSLDEC

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	145334900	0.65 y	25:04	-	100.00	-	n
13C-TCB-81	149226100	0.78 y	26:38	1.03	100.00	-7.7	n
TCB-81	83815000	0.88 y	26:39	1.12	50.00	-15.4	n
13C-TCB-77	154162100	0.79 y	27:12	1.06	100.00	-8.7	n
TCB-77	73058300	0.86 y	27:13	0.95	50.00	-19.2	n
13C-PeCB-123	144000800	0.65 y	28:33	0.99	100.00	2.4	n
PeCB-123	108530900	0.64 y	28:35	1.51	50.00	-8.8	n
13C-PeCB-118	160796300	0.68 y	28:42	1.11	100.00	10.1	n
PeCB-118/106	124123800	0.64 y	28:43	1.54	50.00	-6.2	n
13C-PeCB-114	162173600	0.67 y	29:21	1.12	100.00	8.8	n
PeCB-114	126600000	0.64 y	29:22	1.56	50.00	-9.5	n
13C-PeCB-105	148754400	0.67 y	30:14	1.02	100.00	5.5	n
PeCB-105/127	104659800	0.64 y	30:15	1.41	50.00	-8.0	n
13C-PeCB-126	162470800	0.67 y	32:09	1.12	100.00	12.2	n
PeCB-126	94646800	0.62 y	32:10	1.17	50.00	-8.3	n
13C-OcCB-202	136739200	1.01 y	34:24	-	100.00	-	n
13C-HxCB-167	184884200	1.24 y	33:15	1.35	100.00	29.5	n
HxCB-167	80200000	1.23 y	33:15	0.87	50.00	-21.1	n
13C-HxCB-156	150328500	1.28 y	34:33	1.10	100.00	31.1	n
HxCB-156	115034600	1.25 y	34:34	1.53	50.00	1.8	n
13C-HxCB-157	157491400	1.25 y	34:52	1.15	100.00	30.8	n
HxCB-157	120476400	1.25 y	34:53	1.53	50.00	2.3	n
13C-HxCB-169	170595200	1.26 y	36:43	1.25	100.00	35.9	n
HxCB-169	85416600	1.27 y	36:44	1.00	50.00	1.4	n
13C-HpCB-180	123750900	0.98 y	35:29	0.91	100.00	21.7	n
HpCB-180	79237700	1.06 y	35:31	1.28	50.00	-2.8	n
13C-HpCB-170	101084100	1.00 y	37:08	0.74	100.00	21.0	n
HpCB-170/190	81548900	1.03 y	37:09	1.61	50.00	-0.8	n
13C-HpCB-189	139975500	0.99 y	38:46	1.02	100.00	34.4	n
HpCB-189	83353500	1.02 y	38:48	1.19	50.00	-2.5	n
13C-DeCB-209	95065300	0.74 y	43:52	0.70	100.00	11.3	n
DECB-209	74040000	0.71 y	43:53	1.56	50.00	5.4	n
13C-PeCB-111	160796300	0.68 y	28:42	1.04	100.00	-21.0	n

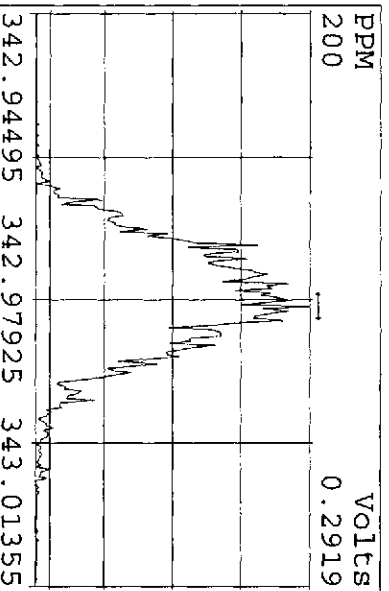
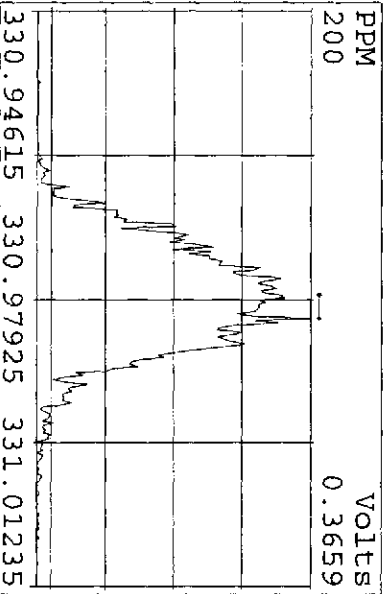
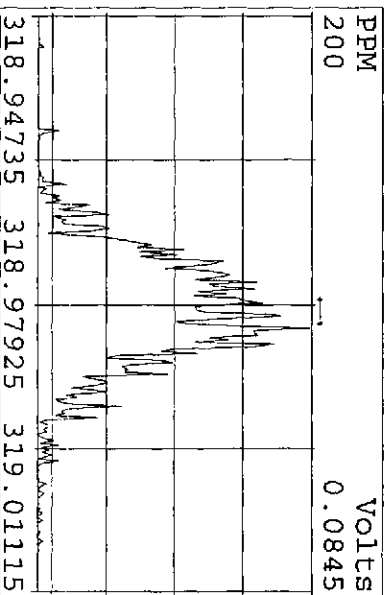
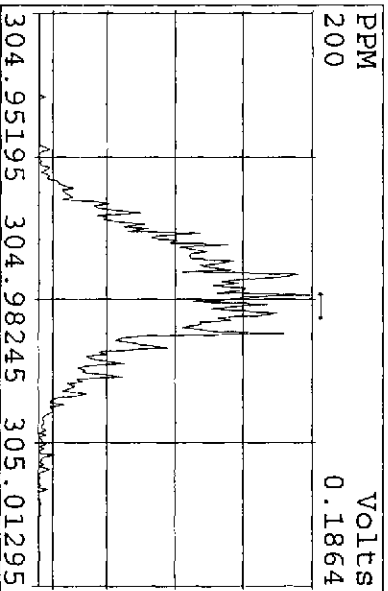
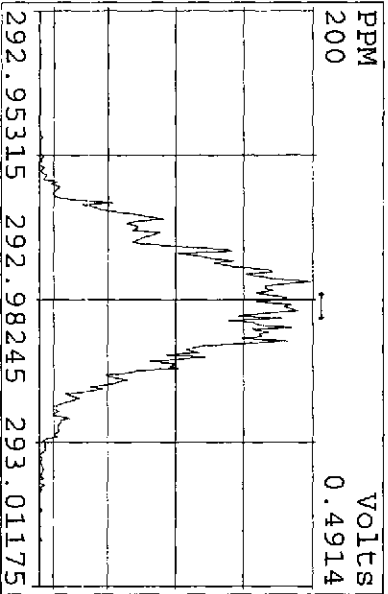
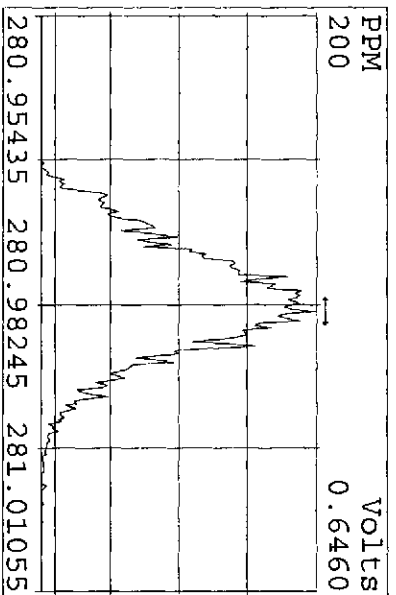
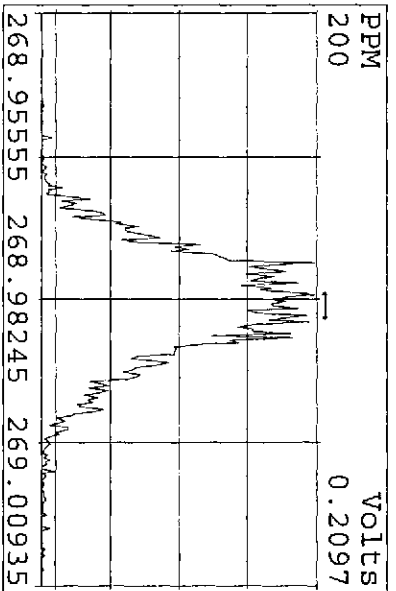
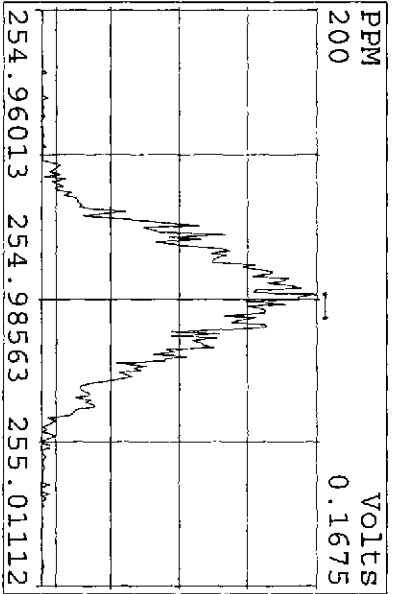
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28SE099D5	3	SB0928	Solvent Blank C-12				1.00000	
28SE099D5	4	LKP0Q-1-AC	F9I120183-1	20	1668/SOLID	51	10.04500	g
28SE099D5	5	LKP0Q-1-AH	F9I120183-1S	20	1668/SOLID		10.02500	g
28SE099D5	6	LKP0Q-1-AJ	F9I120183-1D	20	1668/SOLID		10.03000	g
28SE099D5	7	LKP8F-1-AA	F9I120183-2	20	1668/SOLID		10.44000	g
28SE099D5	8	LKP8G-1-AA	F9I120183-3	20	1668/SOLID		10.09000	g
28SE099D5	9	LKP8H-1-AA	F9I120183-4	20	1668/SOLID		10.15000	g
28SE099D5	10	LKP8J-1-AA	F9I120183-5	20	1668/SOLID		10.10000	g
28SE099D5	11	LKP8K-1-AA	F9I120183-6	20	1668/SOLID		10.12500	g
28SE099D5	12	LLGWX-1-AA	G9I250000-292B	20	1668/WASTE	54	0.10000	g
28SE099D5	13	LLGWX-1-AC	G9I250000-292C	20	1668/WASTE		0.10000	g
28SE099D5	14	LLGT2-1-AC	G9I250147-1	20	1668/WASTE		0.10200	g
28SE099D5	15	LLGT8-1-AC	G9I250147-2	20	1668/WASTE		0.10300	g
28SE099D5	16	SB0928A	Solvent Blank C-12				1.00000	
28SE099D5	17	092409-NSQC	NS QC 09DXN303 092409		1668		1.00000	
28SE099D5	18	ST0928B	CS3 09DXN207				1.00000	
28SE099D5	19	SB0928B	Solvent Blank C-12				1.00000	
28SE099D5	20	LLHC8-1-AC	G9I250212-1	20	1668/WASTE	54	0.10200	g
28SE099D5	21	LLHDA-1-AC	G9I250212-2	20	1668/WASTE		0.10400	g
28SE099D5	22	LLHDC-1-AC	G9I250212-3	20	1668/WASTE		0.10100	g
28SE099D5	23	LLHDD-1-AC	G9I250212-4	20	1668/WASTE		0.10300	g
28SE099D5	24	LLHDE-1-AC	G9I250212-5	20	1668/WASTE		0.10100	g
28SE099D5	25	LLHDF-1-AC	G9I250212-6	20	1668/WASTE		0.10400	g
28SE099D5	26	LLHDG-1-AC	G9I250212-7	20	1668/WASTE		0.10500	g
28SE099D5	27	LLHDH-1-AC	G9I250212-8	20	1668/WASTE		0.10500	g
28SE099D5	28	LLHDJ-1-AC	G9I250212-9	20	1668/WASTE		0.10100	g
28SE099D5	29	LLHDK-1-AC	G9I250212-10	20	1668/WASTE		0.10700	g
28SE099D5	30	LLHDL-1-AC	G9I250212-11	20	1668/WASTE		0.10600	g
28SE099D5	31	LKP8L-1-AA	F9I120183-7	20	1668/SOLID	51	10.36000	g
28SE099D5	32	LKP8M-1-AA	F9I120183-8	20	1668/SOLID		10.39000	g
28SE099D5	33	SB0928C	Solvent Blank C-12				1.00000	
28SE099D5	34	ST0928C	- CS3 09DXN207				1.00000	
28SE099D5	35	SB0928D	Solvent Blank C-12				1.00000	
28SE099D5	36	LLGQX-1-AA	G9I250000-269B	20	1668/SOLID	54	10.00000	g
28SE099D5	37	LLGQX-1-AC	G9I250000-269C	20	1668/SOLID		10.00000	g
28SE099D5	38	LKA02-2-AD	A9I030339-4RX	20	1668/SOLID		1.35000	g
28SE099D5	39	LKAGX-1-AC	G9I030266-6	20	1668/SOLID		8.70000	g
28SE099D5	40	LKAG2-1-AC	G9I030266-7	200	1668/SOLID		10.52000	g
28SE099D5	41	LKA02-2-AD	A9I030339-4RX (10X)	20	1668/SOLID		1.35000	g
28SE099D5	42	LLAFL-1-AA	G9I230000-255B	20	1668/WATER	51	1.00000	L
28SE099D5	43	LLAFL-1-AC	G9I230000-255C	20	1668/WATER		1.00000	L
28SE099D5	44	LK5D3-1-CC	F9I190126-1	20	1668/WATER		1.05710	L
28SE099D5	45	LKP8N-1-AA	F9I120183-9	20	1668/SOLID		10.40000	g
28SE099D5	46	LLLL4-1-AAB	G9I280114-1MB	20	1668/WASTE	56	0.10000	g
28SE099D5	47	LLLL4-1-ACC	G9I280114-1LCS	20	1668/WASTE		0.10000	g
28SE099D5	48	LLLK5-1-AC	G9I280114-1	20	1668/WASTE		0.10000	g
28SE099D5	49	SB0928E	Solvent Blank C-12				1.00000	
28SE099D5	50	ST0928D	CS3 09DXN207				1.00000	
28SE099D5	51	SB0928F	Solvent Blank C-12				1.00000	
28SE099D5	52	LLLK7-1-AC	G9I280114-2	20	1668/WASTE	56	0.10100	g
28SE099D5	53	LLLK8-1-AC	G9I280114-3	20	1668/WASTE		0.10500	g

28SE099D5	54	LLLK9-1-AC	G9I280114-4	20	1668/WASTE	0.10100	g
28SE099D5	55	LLLLD-1-AC	G9I280114-5	20	1668/WASTE	0.10100	g
28SE099D5	56	LLLLLE-1-AC	G9I280114-6	20	1668/WASTE	0.10200	g
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28SE099D5	61		KAS, AM, SMA 09-28-09			1.00000	
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28SE099D5	63					1.00000	
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Peak Locate Examination: 28-SEP-2009:09:53 File: 28SE099D5  
 Experiment: 209DB5 Function: 1 Reference: PFK

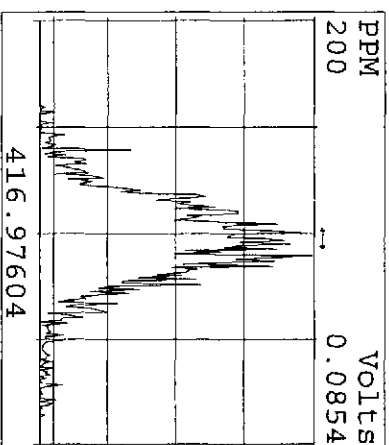
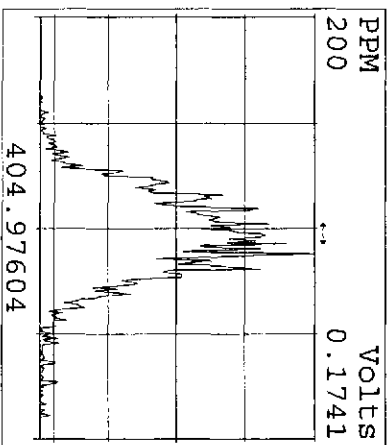
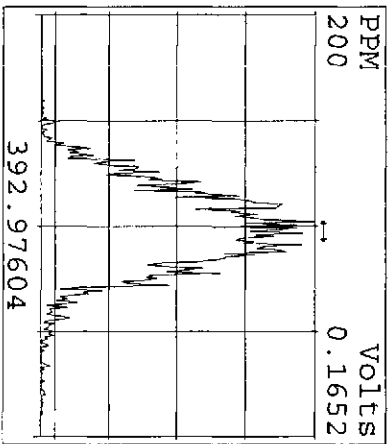
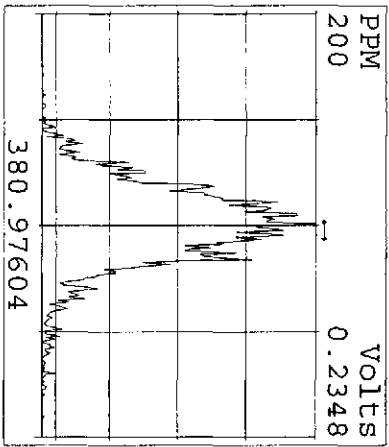
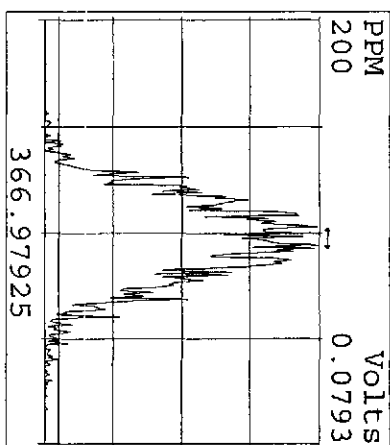
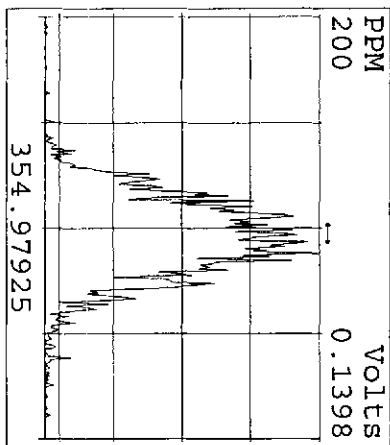
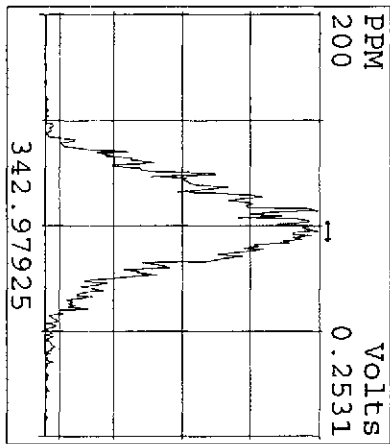
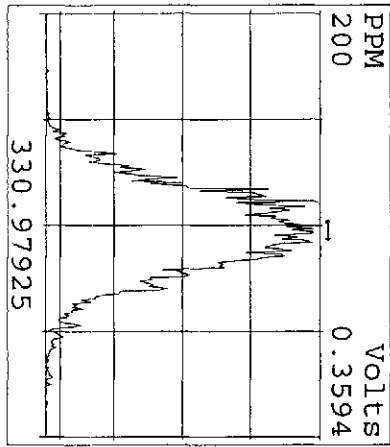
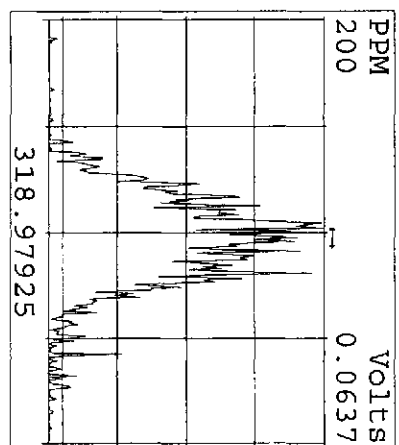
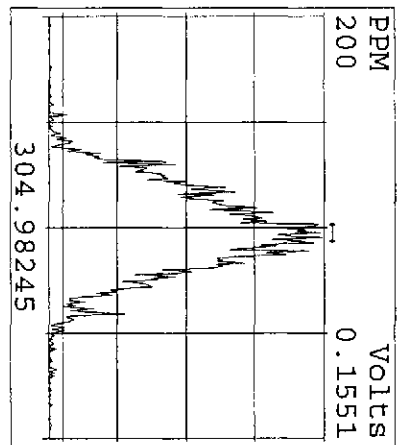
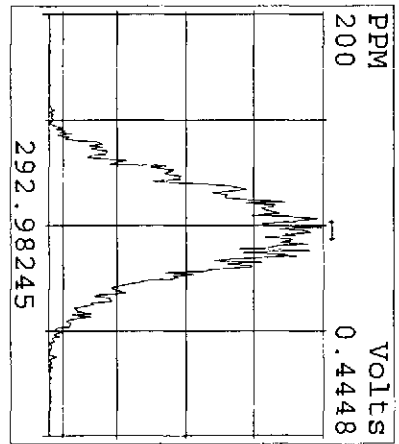
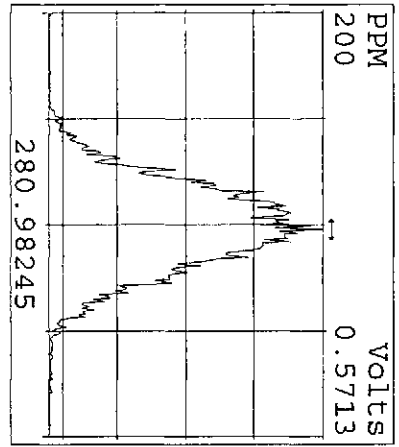


Peak Locate Examination: 28-SEP-2009:09:53 File: 28SSE099D5  
 Experiment: 209DB5 Function: 2 Reference: PFK

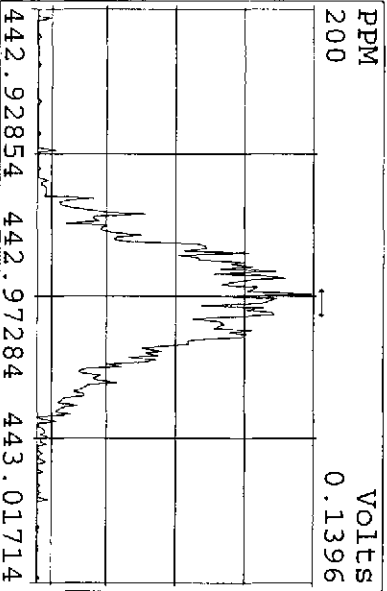
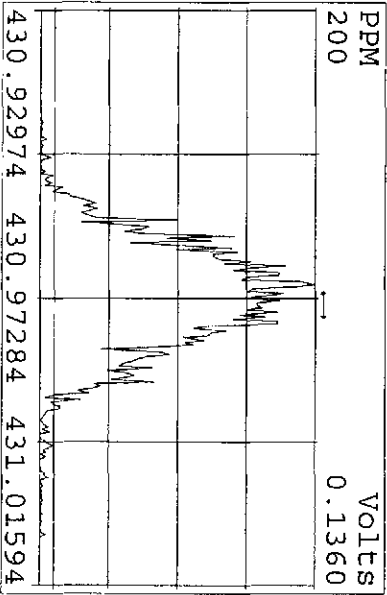
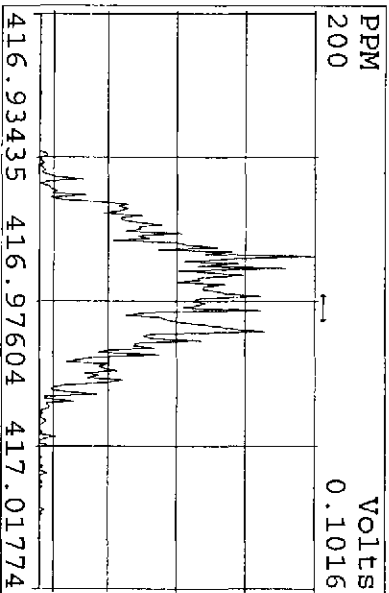
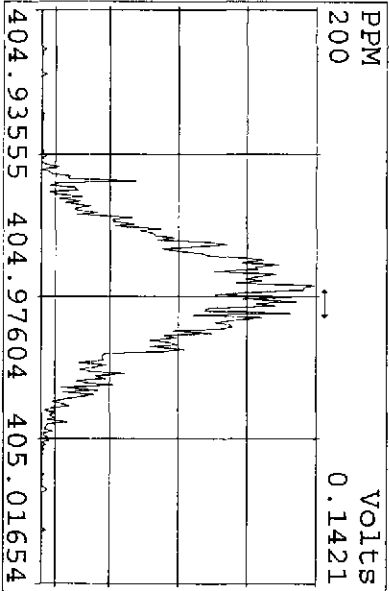
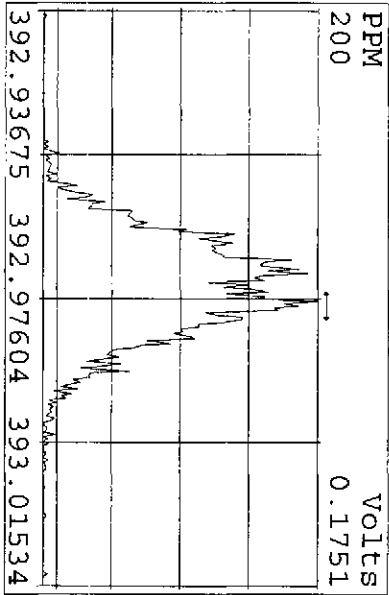
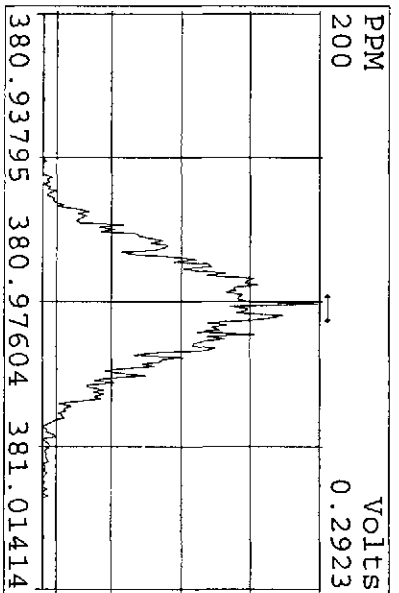
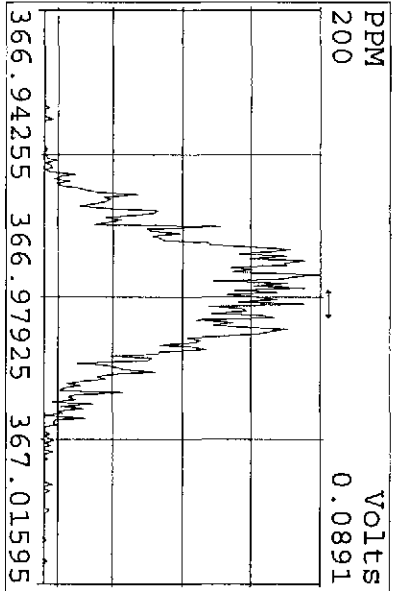
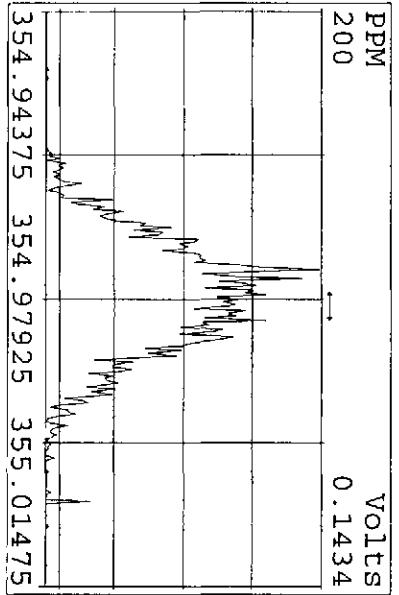




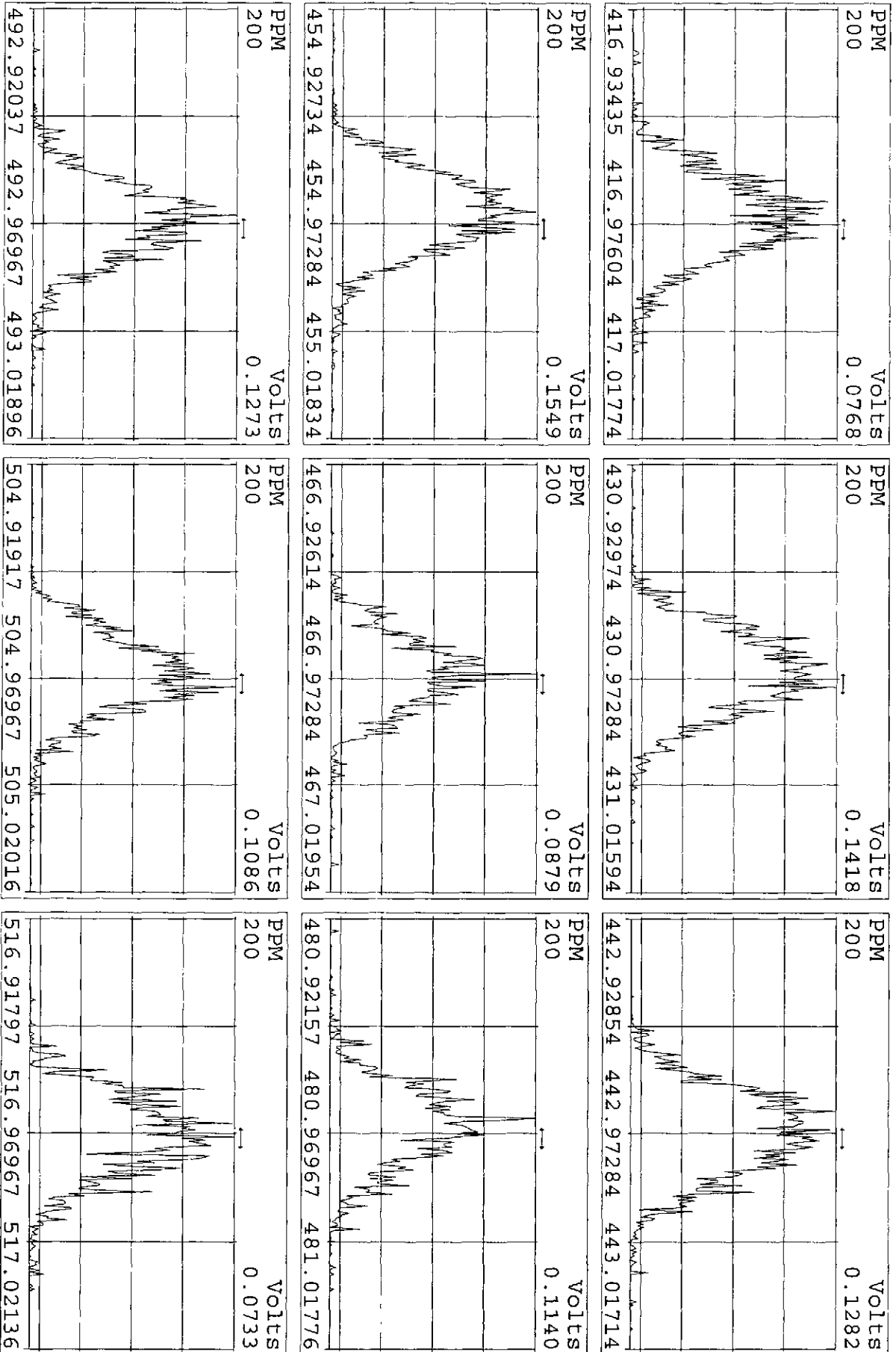
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Experiment: 209DB5 Function: 3 Reference: PFK



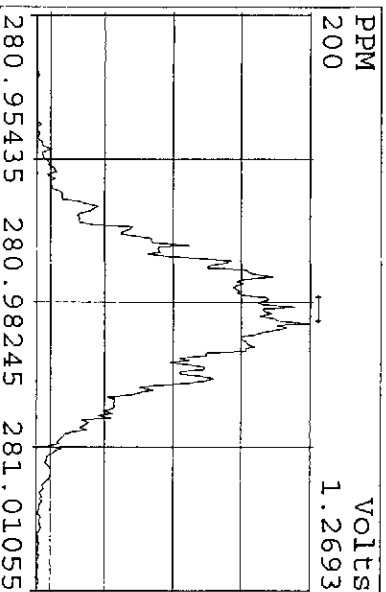
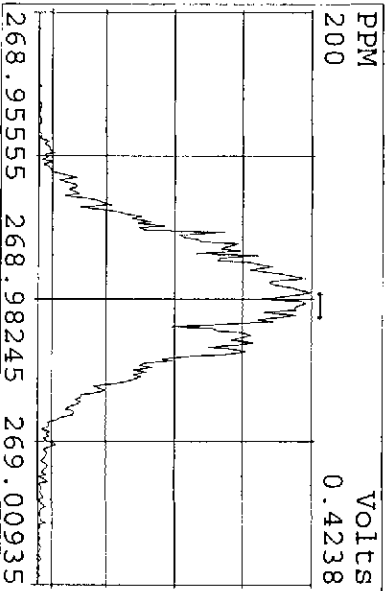
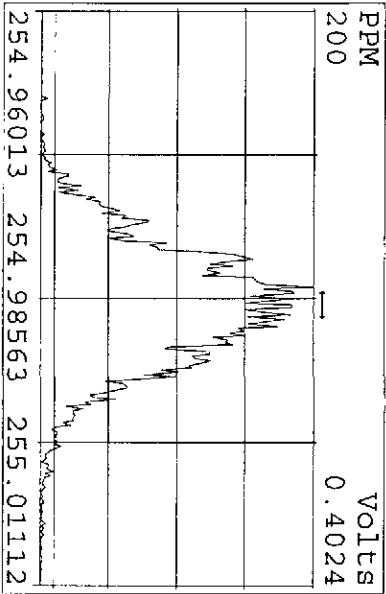
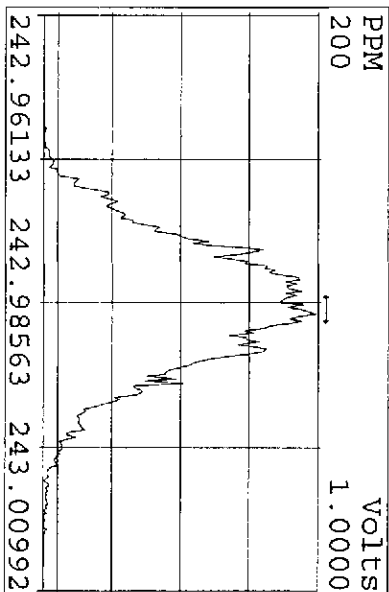
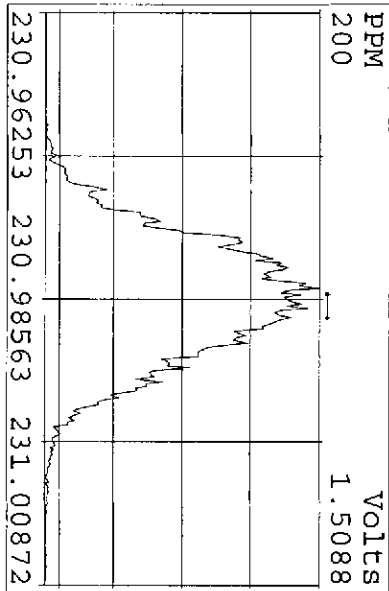
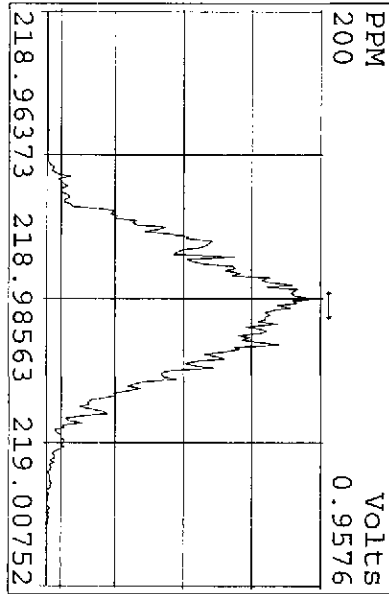
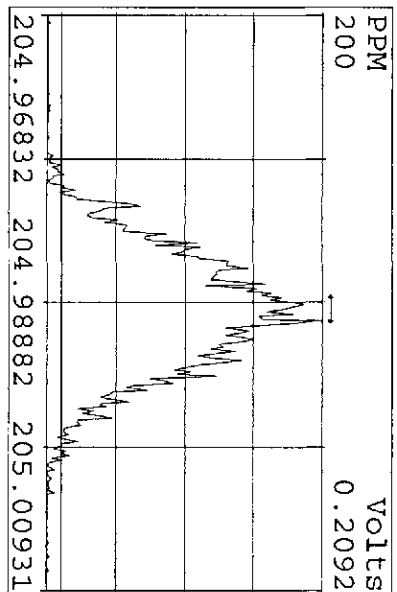
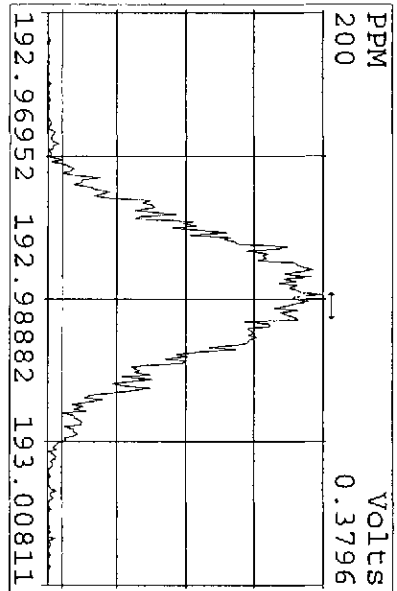
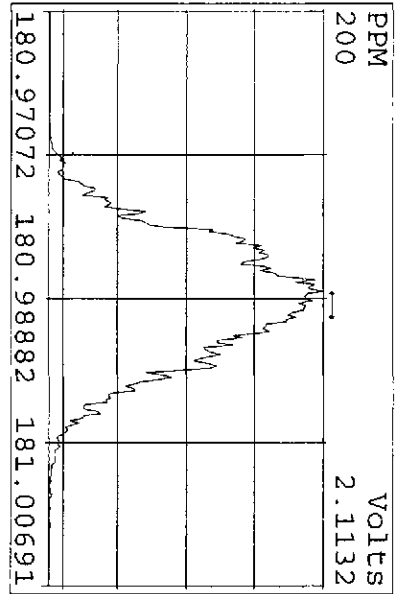
Peak Locate Examination: 28-SEP-2009:09:55 File: 28SSE099D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



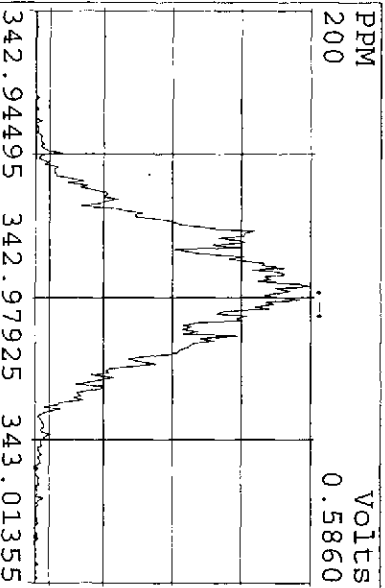
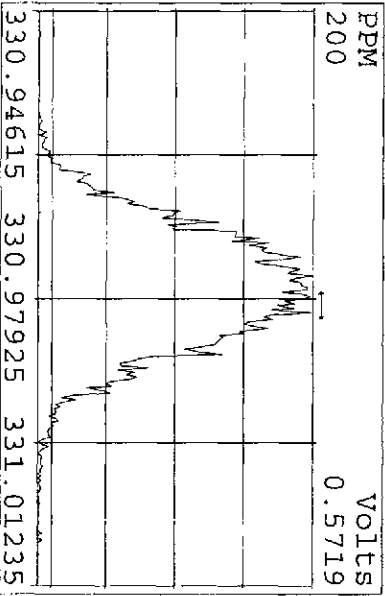
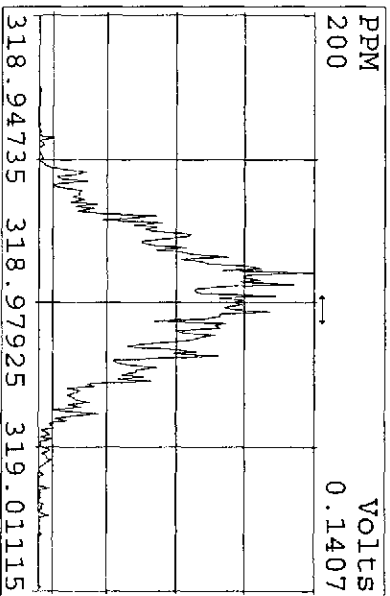
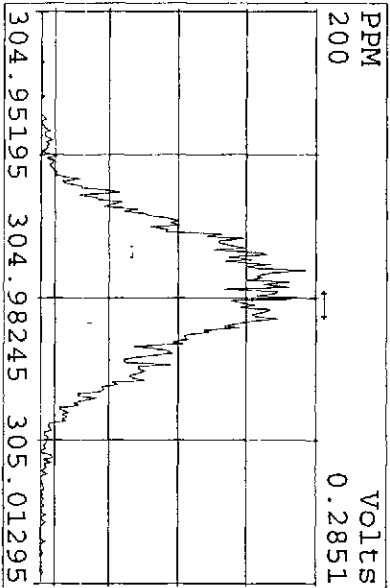
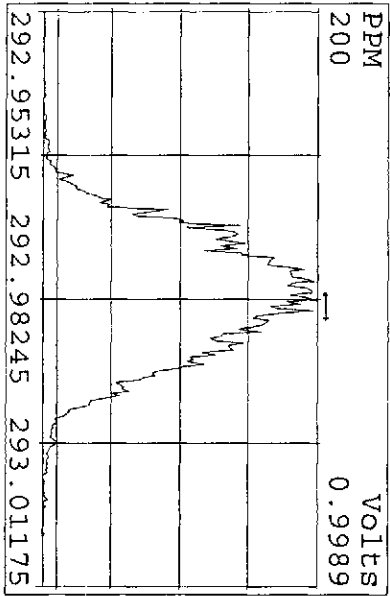
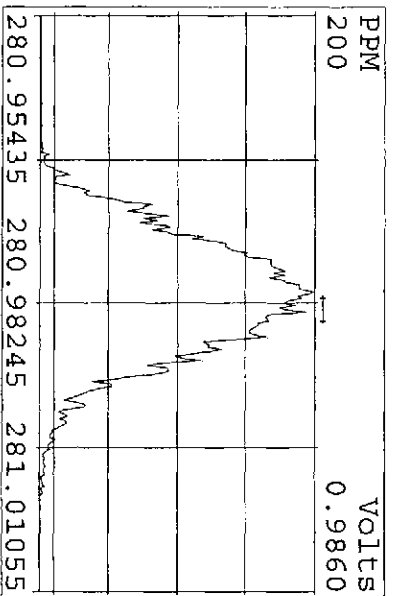
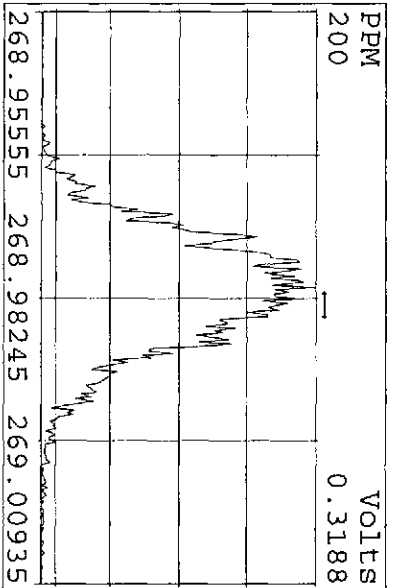
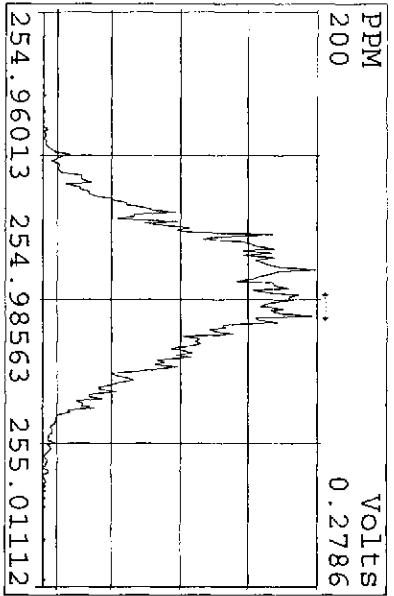
Peak Locate Examination: 28-SEP-2009:09:55 File: 28SEP099D5  
 Experiment: 209DB5 Function: 5 Reference: PFK



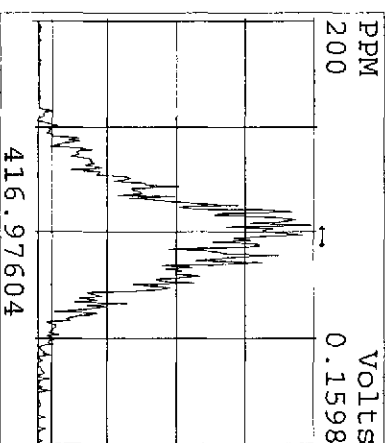
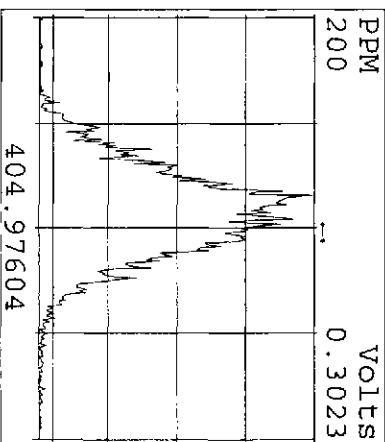
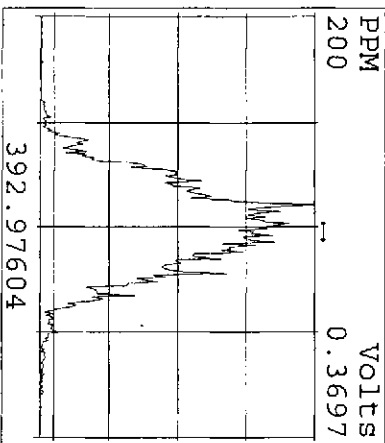
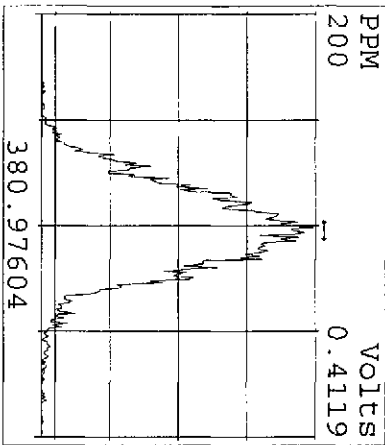
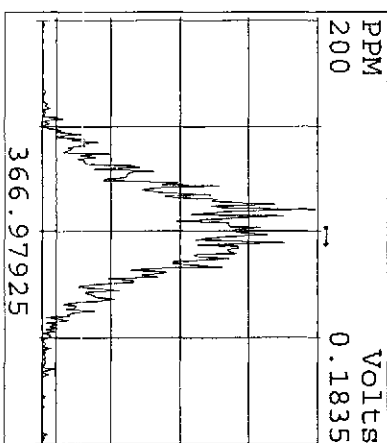
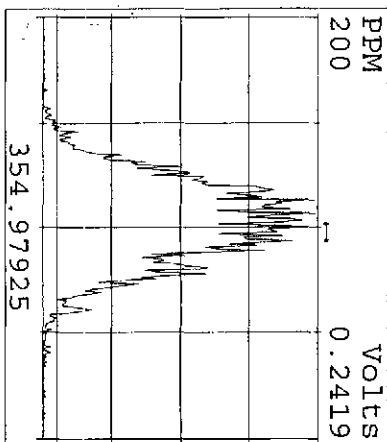
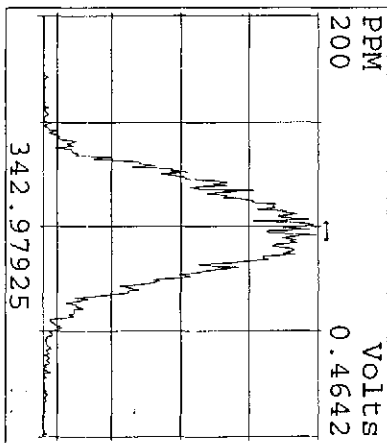
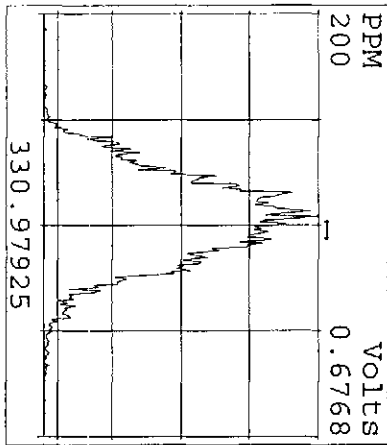
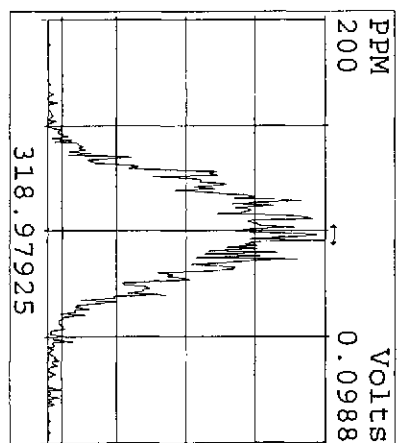
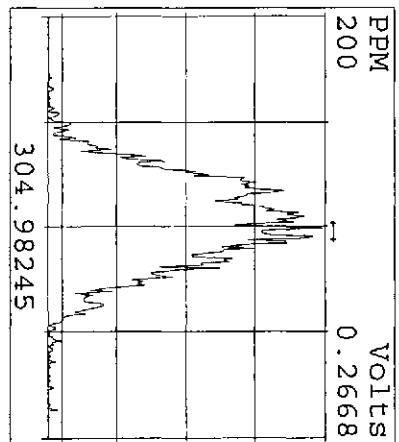
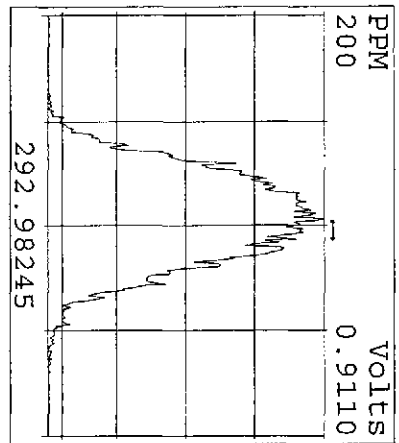
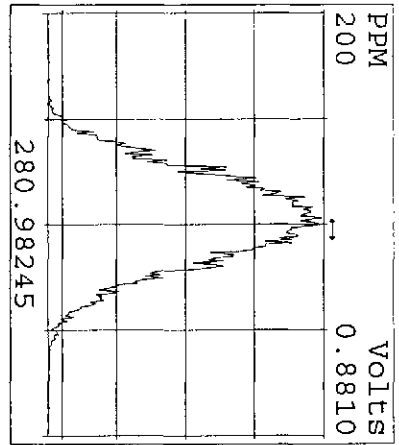
Peak Locate Examination: 30-SEP-2009:11:34 File: 28SE099D5ENDRES  
 Experiment: 209DB5 Function: 1 Reference: PRK



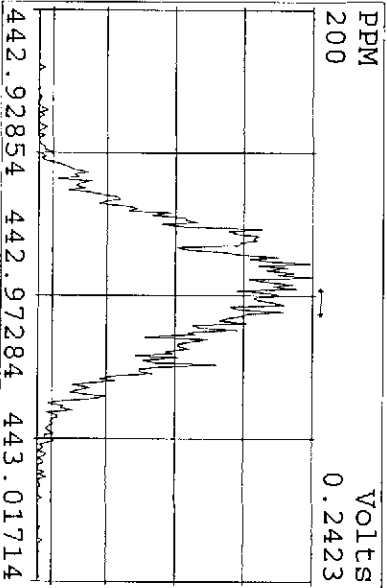
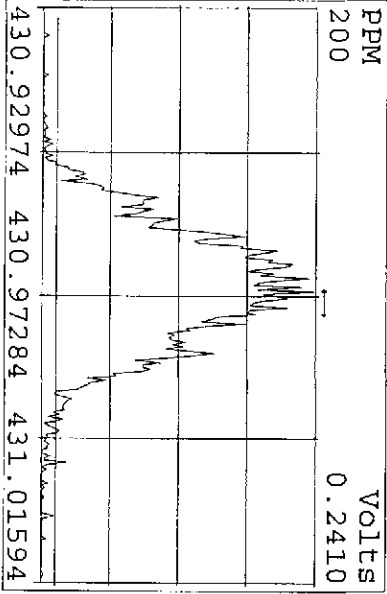
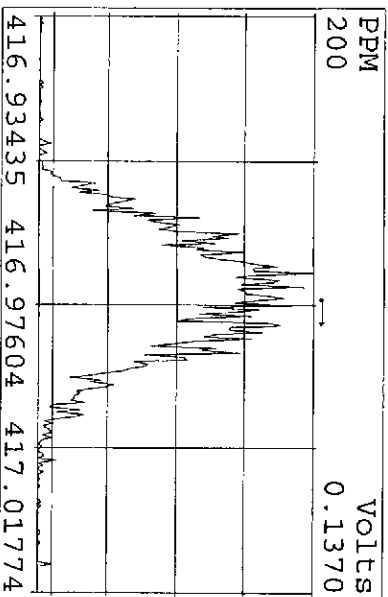
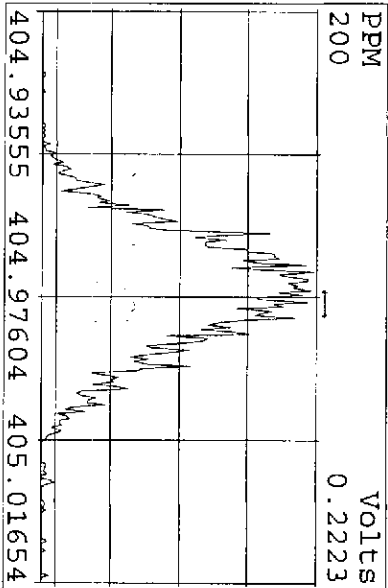
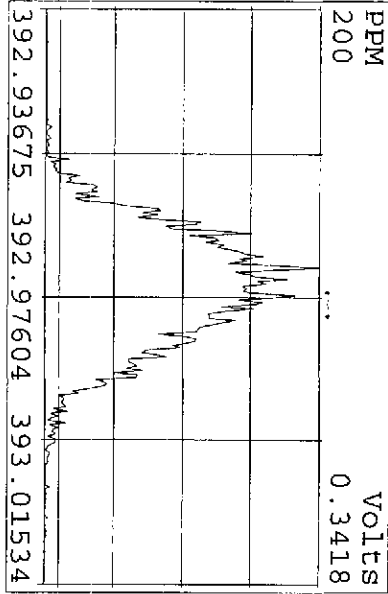
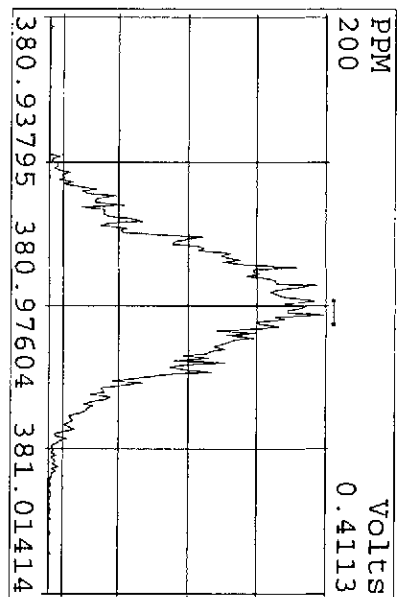
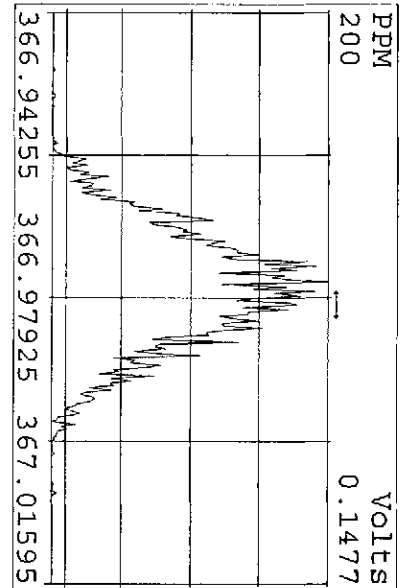
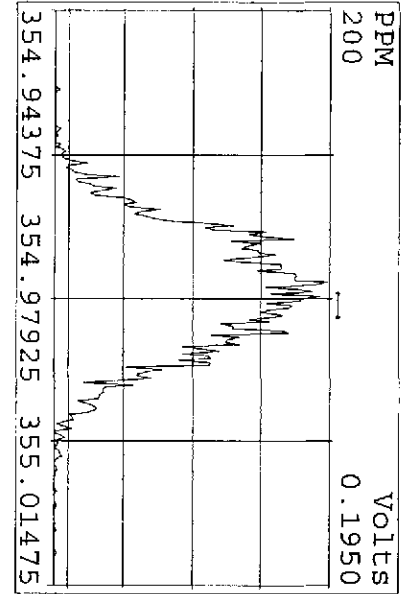
Peak Locate Examination: 30-SEP-2009:11:34 File: 28SE099D5ENDRES  
Experiment: 209DB5 Function: 2 Reference: PRK



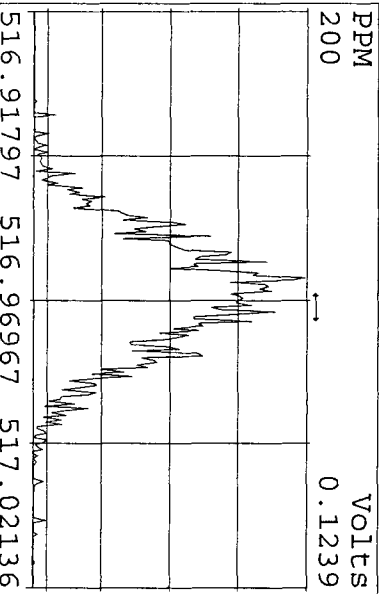
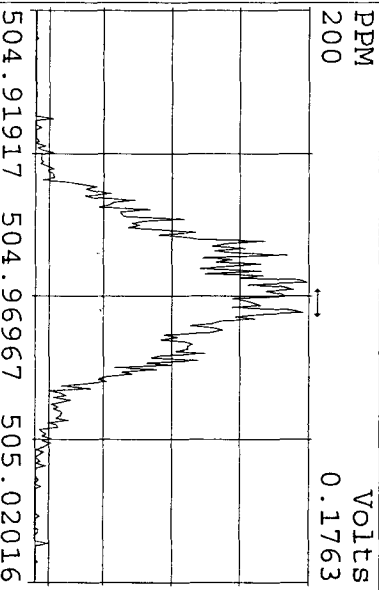
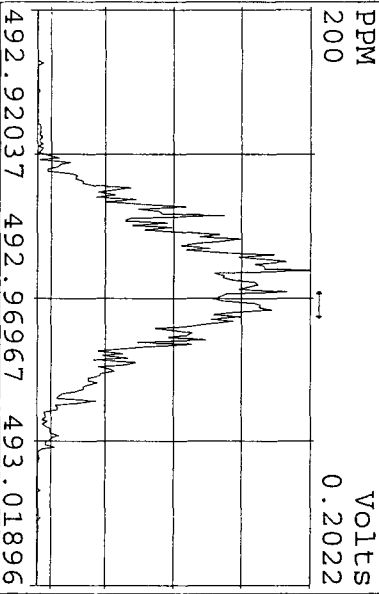
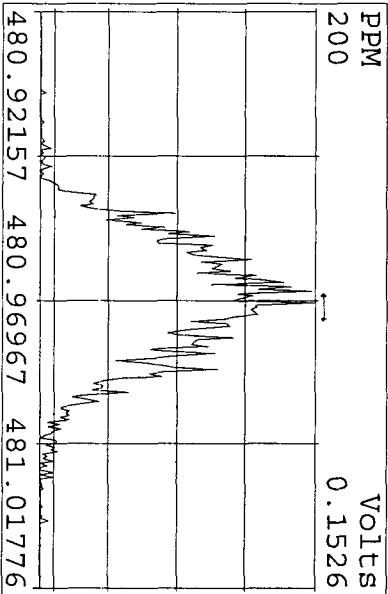
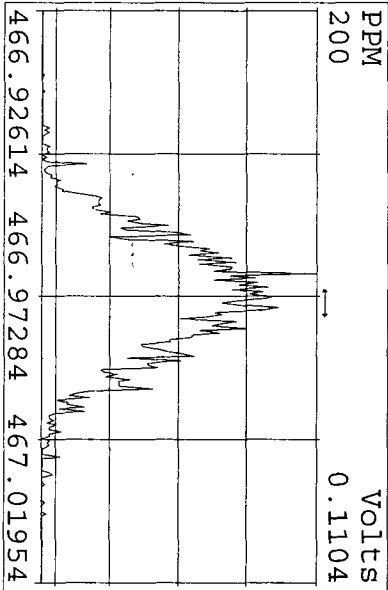
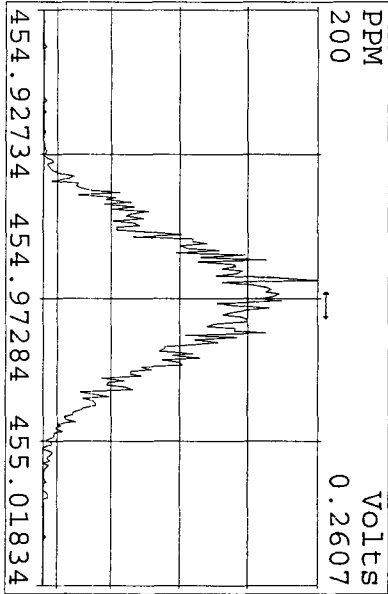
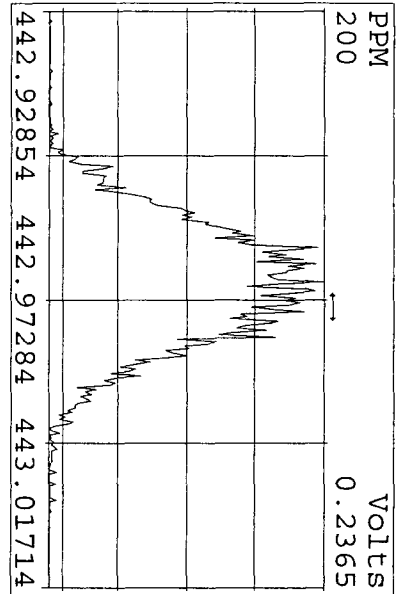
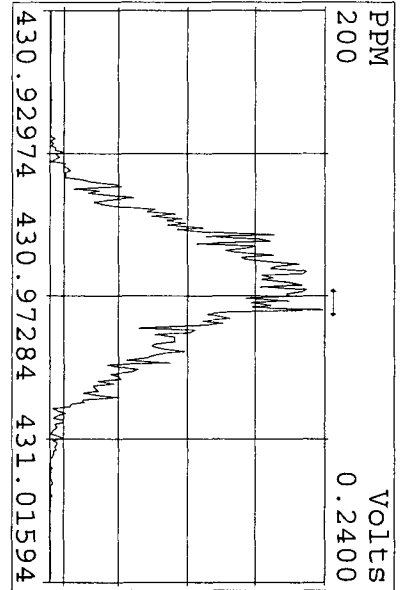
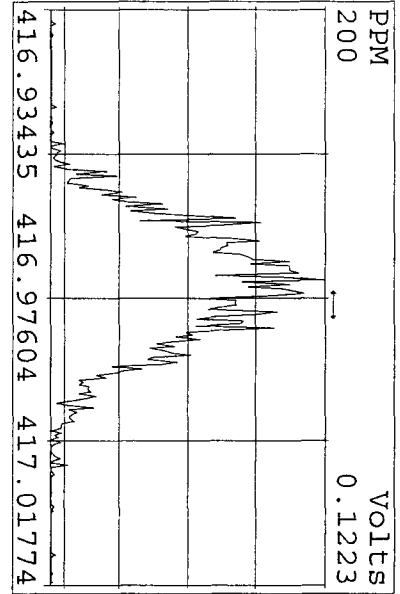
Peak Locate Examination: 30-SEP-2009:11:35 File: 28SE099D5ENDRES  
Experiment: 209DB5 Function: 3 Reference: PFK



Peak Locate Examination: 30-SEP-2009:11:35 File: 28SE099D5ENDRES  
 Experiment: 209DB5 Function: 4 Reference: PFK

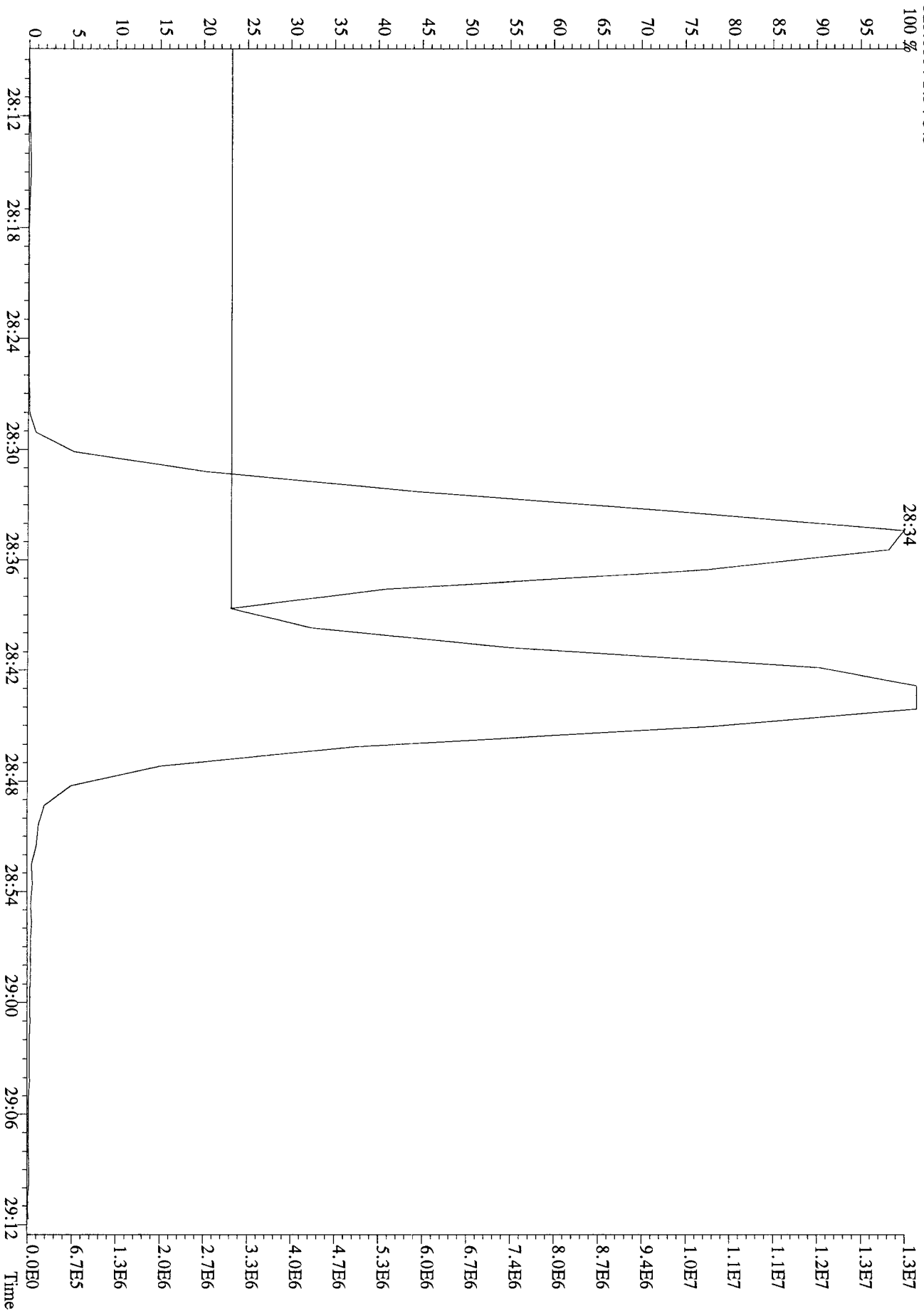


Peak Locate Examination: 30-SEP-2009: 11:35 File: 28SE099D5ENDRES  
 Experiment: 209DB5 Function: 5 Reference: PFK





File:28SE099D5 #1-594 Acq:29-SEP-2009 15:36:10 GC EI + Voltage SIR Autospec-UltimaE  
Sample#34 Text:ST0928C :CS3 09DXN207 Exp:209DB5  
325.8804 S:34 F:3



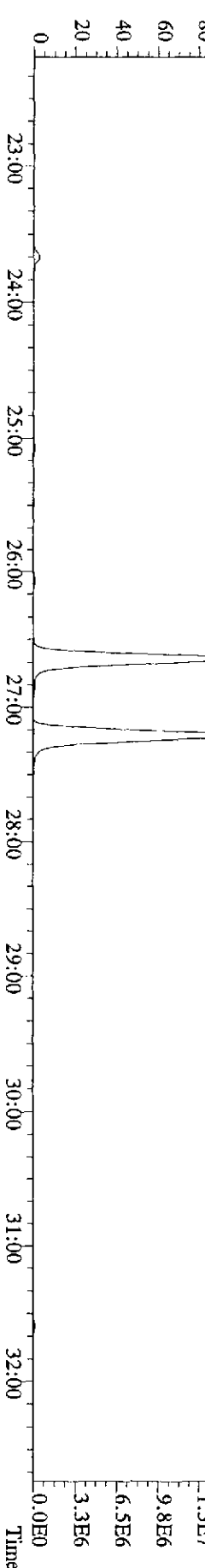
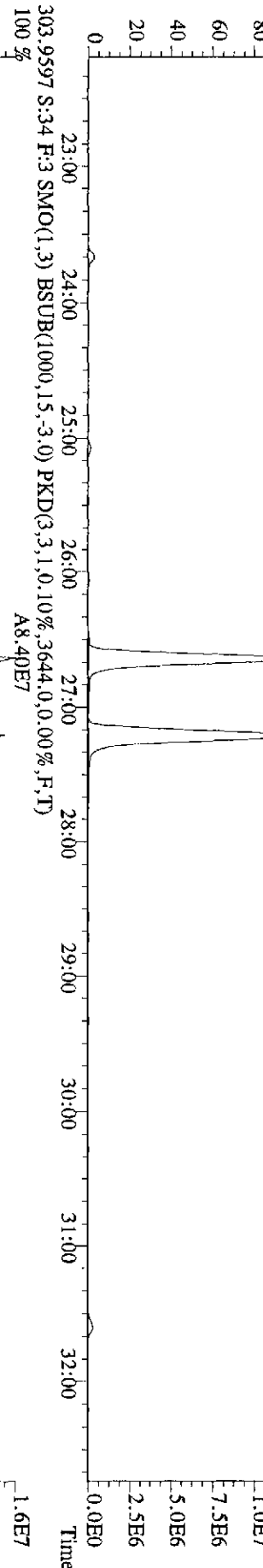
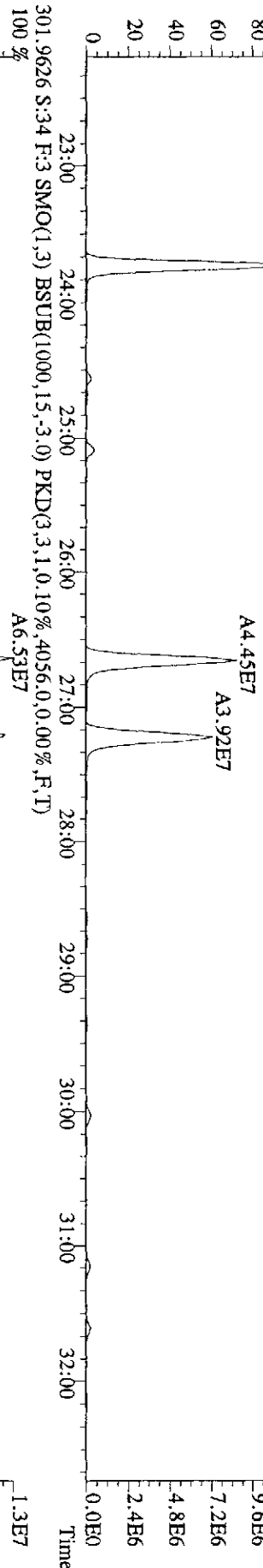
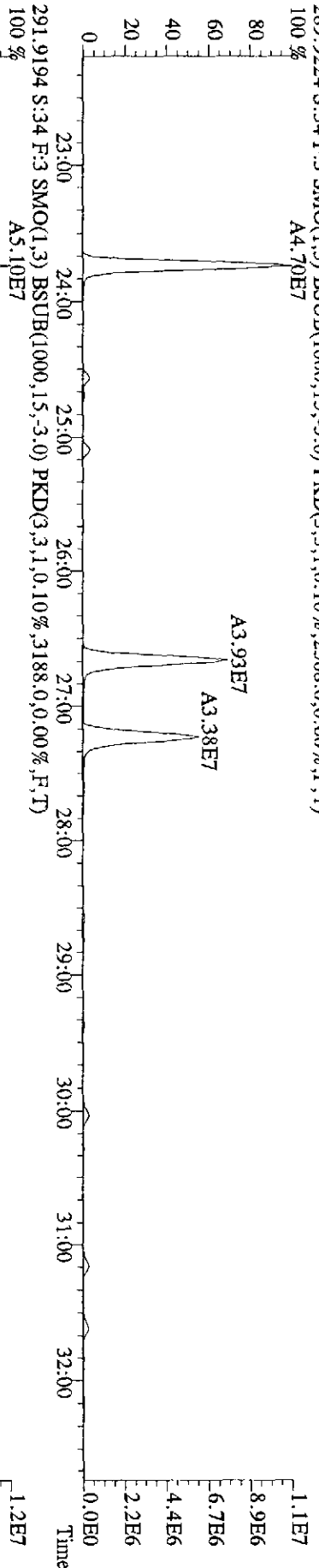
Run: 28SE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0709099D5

ST0709A : CS3 09DXN207 ST0709B : CS1 09DXN205 ST0709C : CS2 09DXN206  
 ST0709D : CS4 09DXN208 ST0709E : CS5 09DXN209

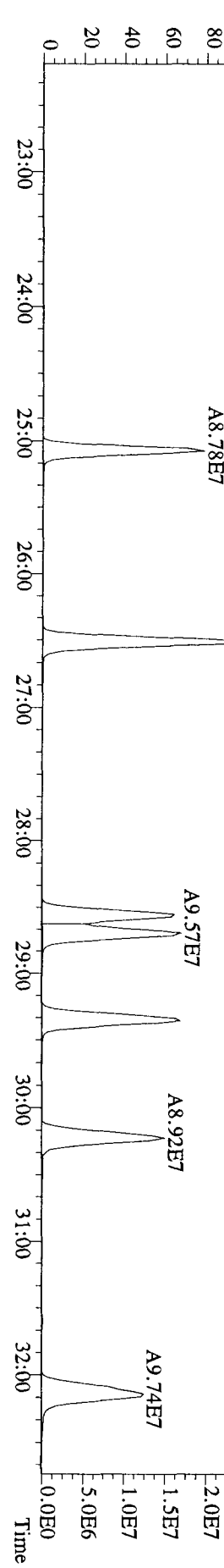
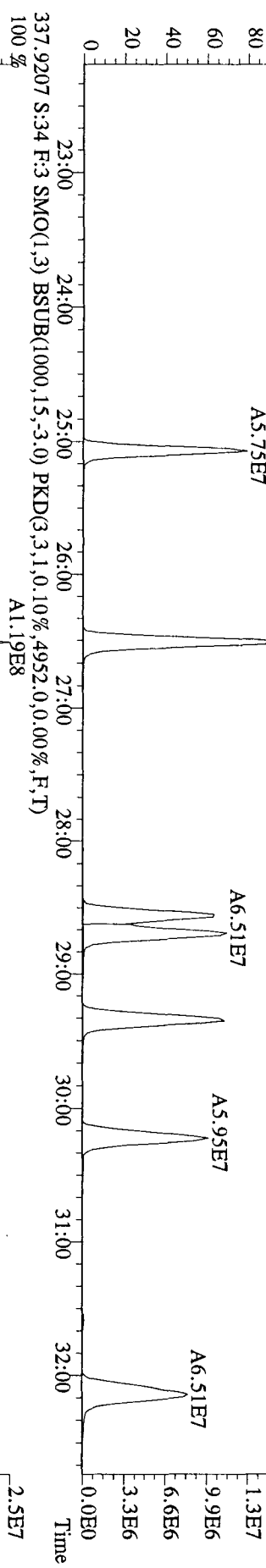
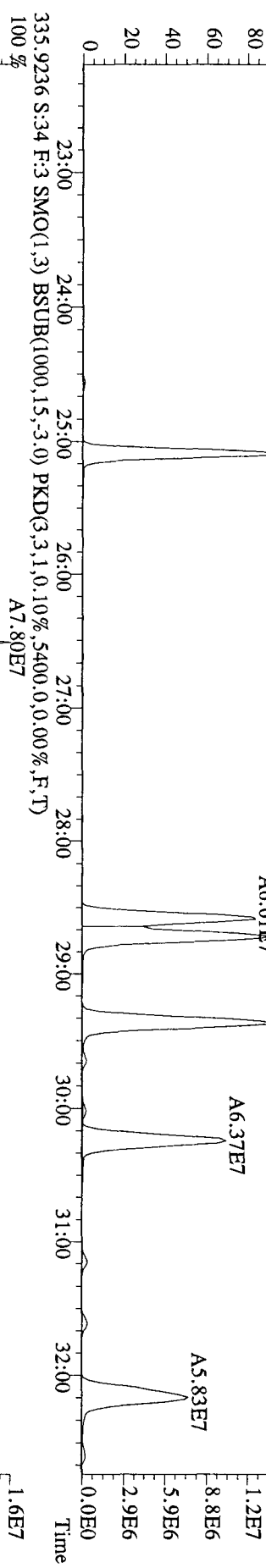
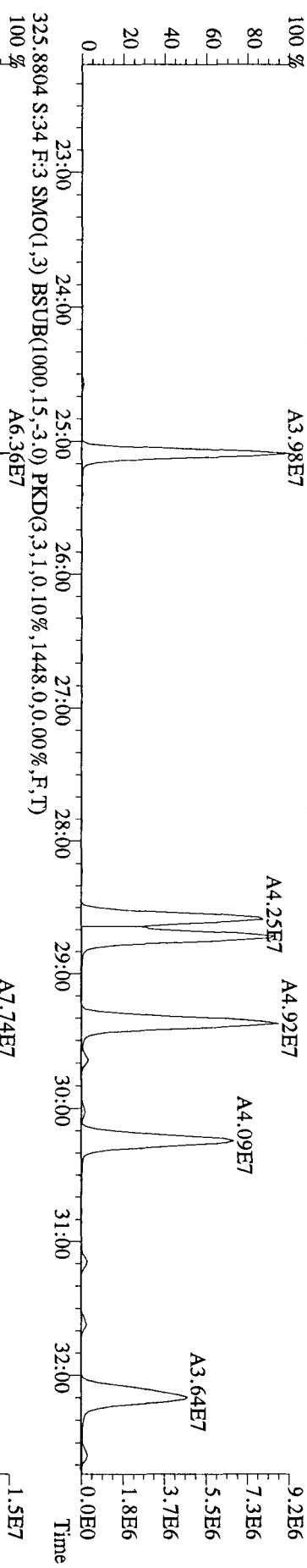
Name	Mean	S. D.	%RSD	S2	S3	S4	S5	S6
13C-TCB-81	1.113	0.032	2.85 %	1.17	1.09	1.10	1.09	1.11
TCB-81	1.327	0.063	4.71 %	1.37	1.22	1.31	1.37	1.37
13C-TCB-77	1.162	0.038	3.26 %	1.22	1.12	1.15	1.15	1.16
TCB-77	1.173	0.030	2.52 %	1.20	1.13	1.16	1.19	1.19
13C-PecB-123	0.968	0.038	3.88 %	1.01	0.98	0.93	0.93	0.99
PecB-123	1.653	0.041	2.50 %	1.69	1.59	1.65	1.68	1.65
13C-PecB-118	1.005	0.036	3.63 %	1.05	0.98	1.01	1.03	0.96
PecB-118/106	1.645	0.053	3.19 %	1.71	1.62	1.58	1.63	1.68
13C-PecB-114	1.026	0.024	2.39 %	1.06	1.03	1.00	1.00	1.03
PecB-114	1.726	0.049	2.81 %	1.79	1.66	1.71	1.72	1.75
13C-PecB-105	0.970	0.017	1.73 %	1.00	0.97	0.96	0.97	0.96
PecB-105/127	1.529	0.030	1.93 %	1.58	1.51	1.52	1.52	1.52
13C-PecB-126	0.996	0.030	3.04 %	1.05	0.98	0.99	0.97	0.99
PecB-126	1.271	0.016	1.28 %	1.29	1.25	1.26	1.29	1.27
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	1.044	0.029	2.74 %	1.08	1.01	1.02	1.04	1.06
HxCB-167	1.100	0.085	7.71 %	1.18	1.13	0.95	1.12	1.12
13C-HxCB-156	0.839	0.030	3.57 %	0.89	0.81	0.83	0.82	0.85
HxCB-156	1.504	0.031	2.05 %	1.54	1.47	1.48	1.53	1.51
13C-HxCB-157	0.881	0.028	3.23 %	0.93	0.86	0.88	0.86	0.88
HxCB-157	1.495	0.027	1.80 %	1.52	1.47	1.46	1.52	1.51
13C-HxCB-169	0.918	0.036	3.91 %	0.98	0.89	0.91	0.91	0.91
HxCB-169	0.988	0.023	2.36 %	1.01	0.97	0.96	0.99	1.01
13C-HpCB-180	0.744	0.015	2.00 %	0.77	0.74	0.74	0.74	0.73
HpCB-180	1.317	0.051	3.90 %	1.33	1.40	1.27	1.28	1.30
13C-HpCB-170	0.611	0.015	2.47 %	0.64	0.60	0.61	0.59	0.61
HpCB-170/190	1.627	0.012	0.762%	1.63	1.64	1.62	1.63	1.61

13C-HpCB-189	0.762	0.022	2.85	%	0.80	0.76	0.75	0.76	0.74
HpCB-189	1.222	0.029	2.39	%	1.24	1.17	1.23	1.23	1.24
13C-DeCB-209	0.625	0.015	2.33	%	0.64	0.64	0.62	0.61	0.62
DeCB-209	1.478	0.036	2.40	%	1.50	1.43	1.48	1.52	1.46
13C-PeCB-111	1.322	0.042	3.20	%	1.33	1.36	1.36	1.31	1.26

File:28SEP09D5 #1-594 Acq:29-SEP-2009 15:36:10 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#34 Text:ST0928C :CS3 09DXN207 Exp:209DB5  
 289.9224 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2568,0,0.00%,F,T)  
 100%



File:28SE099D5 #1-594 Acq:29-SEP-2009 15:36:10 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#34 Text:ST0928C :CS3 09DXN207 Exp:209DB5  
 323.8834 S:34 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2324,0,0.00%,F,T)



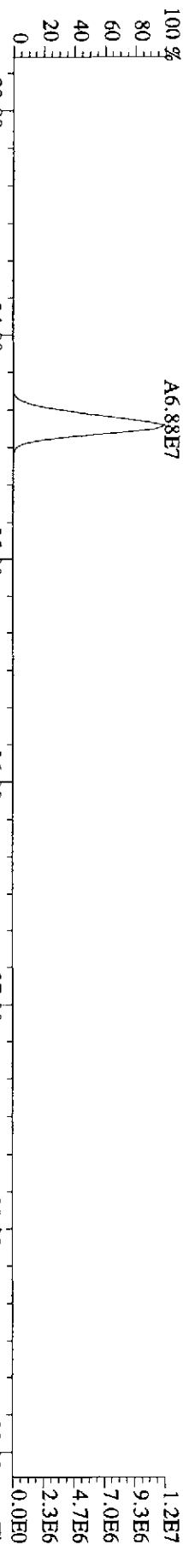
File:28SE099D5 #1-388 Acq:29-SEP-2009 15:36:10 GC EI+ Voltage SIR Autospec-UltimaB

Sample#34 Text:ST0928C :CS3 09DXN207

Exp:209DB5

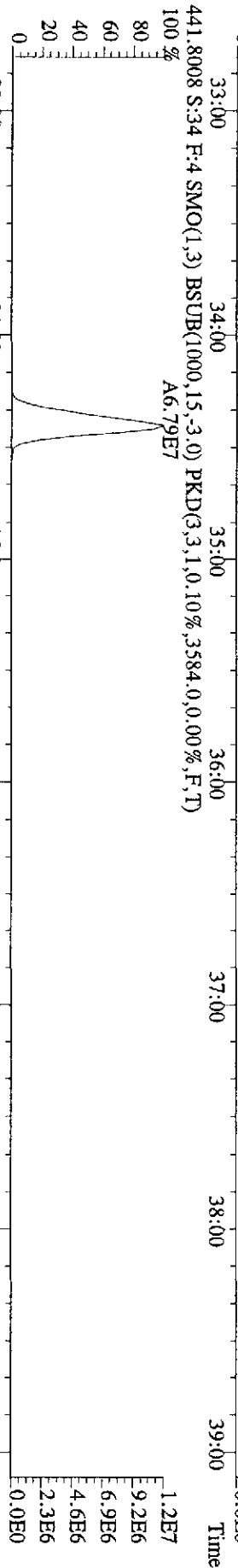
439.8038 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,3360,0,0,00%,F,T)

100% A6.88E7

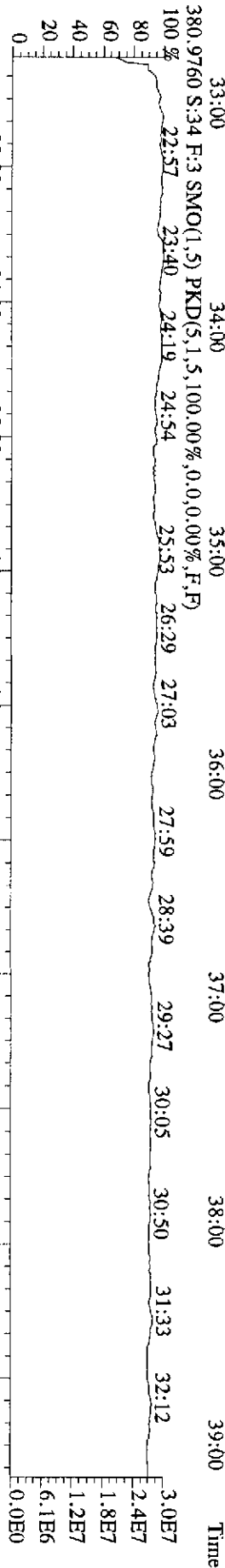


441.8008 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,3584,0,0,00%,F,T)

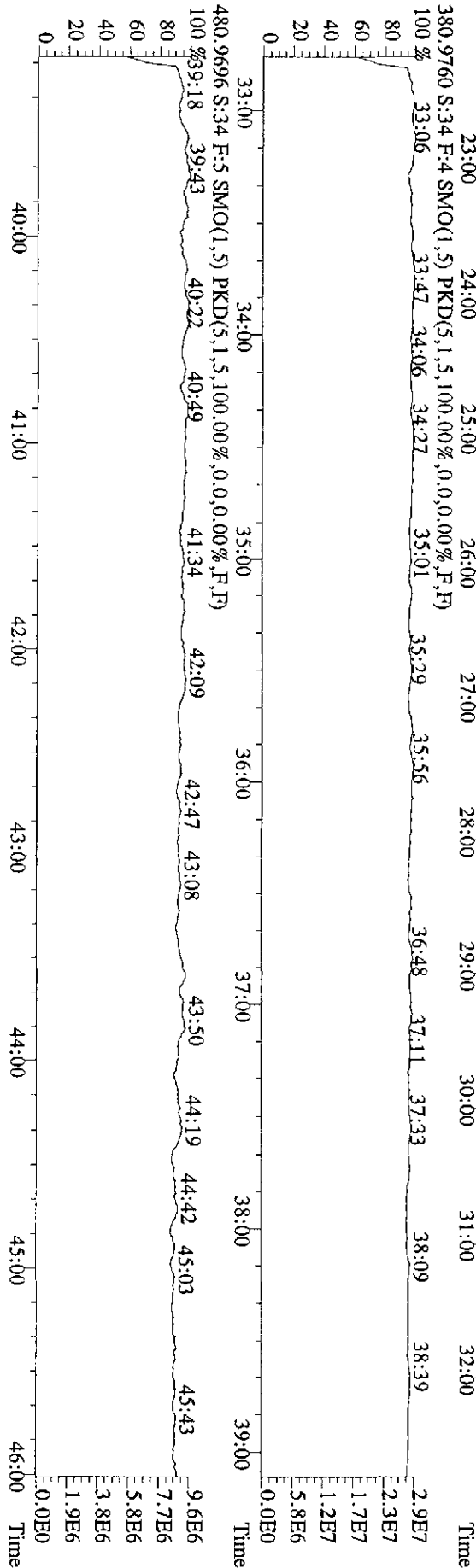
A6.79E7



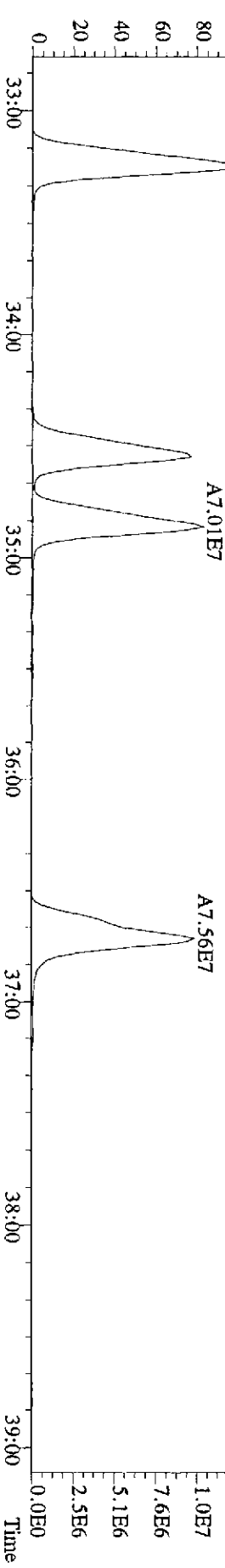
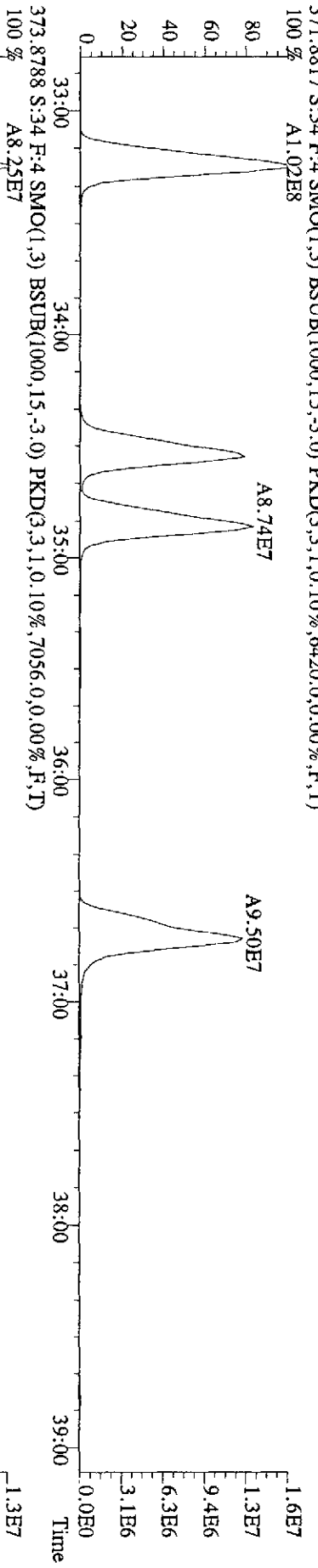
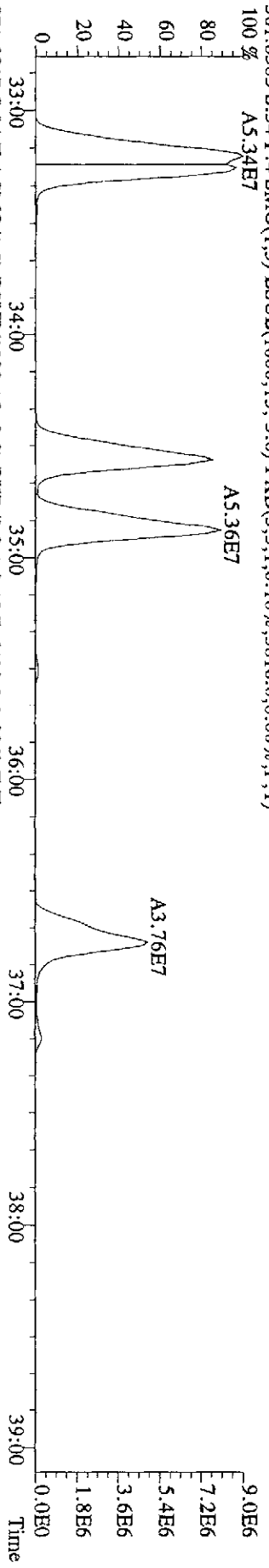
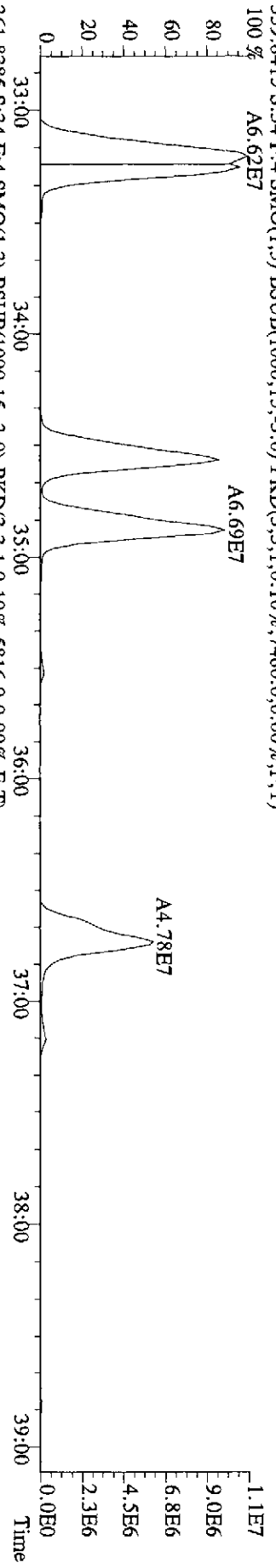
380.9760 S:34 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



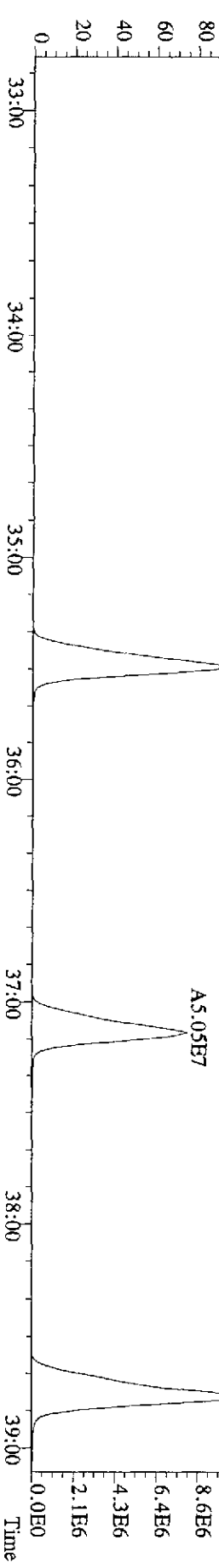
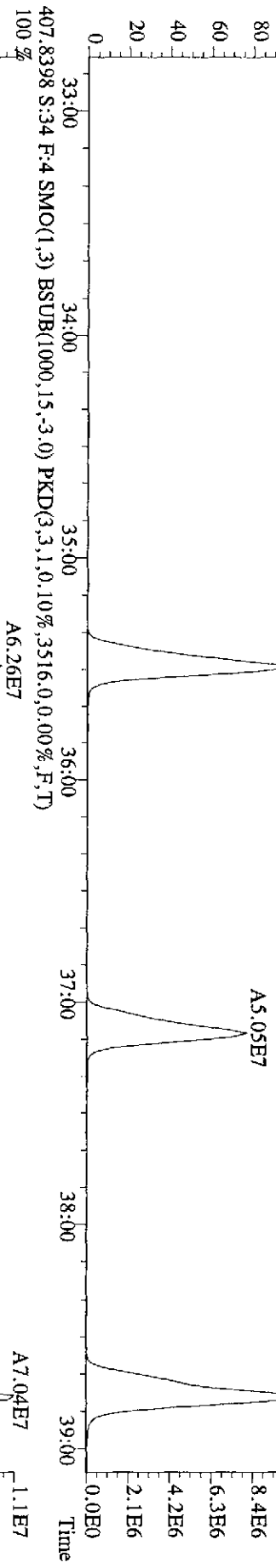
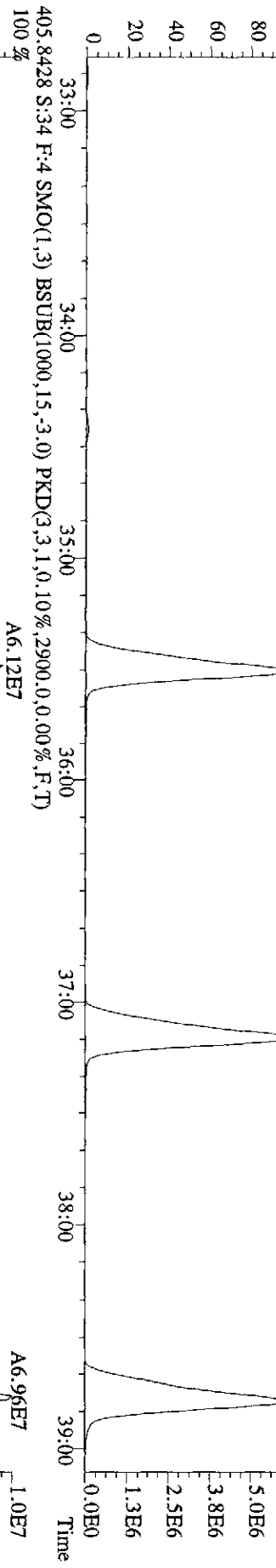
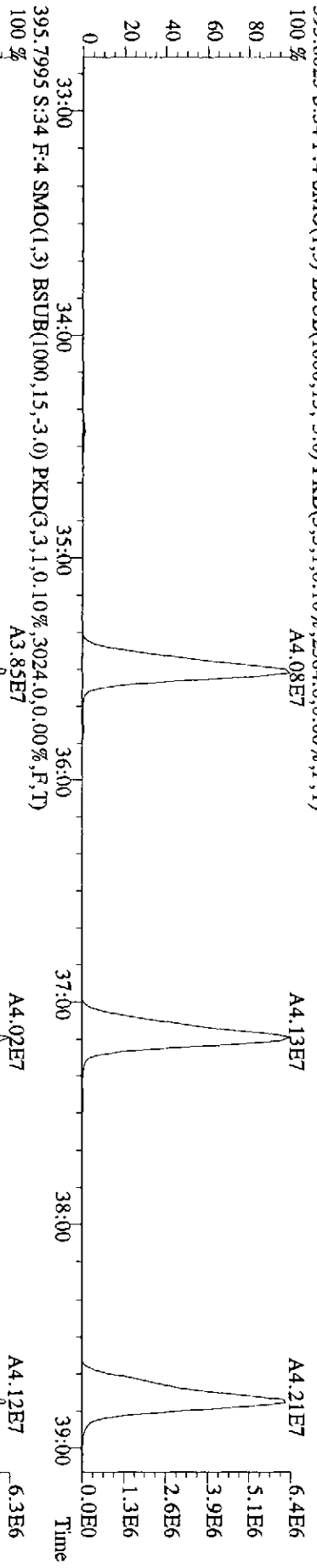
480.9696 S:34 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



File:28SHE099D5 #1-388 Acq:29-SEP-2009 15:36:10 GC EI+ Voltage SIR Autospec-UltimatB  
 Sample#34 Text:ST0928C :CS3 09DDXN207 Exp:209DB5  
 359.8415 S:34 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,7480.0,0.00%,F,T)  
 100%

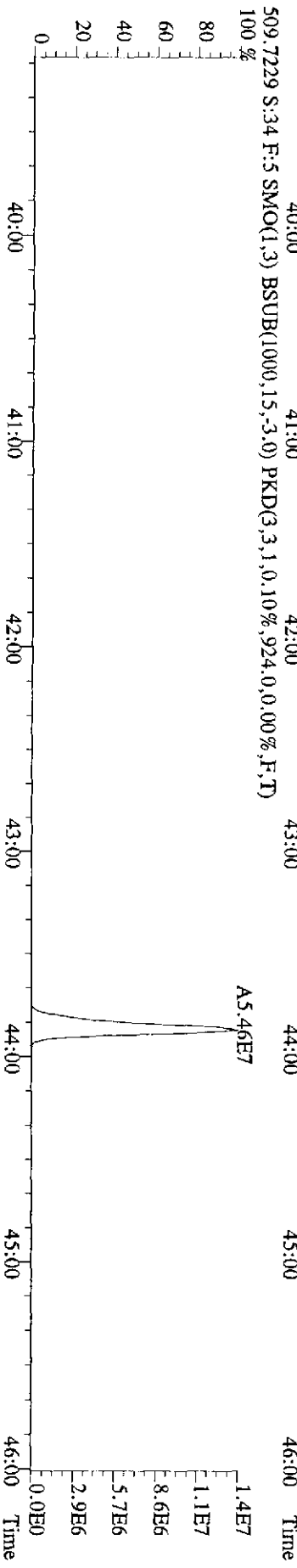
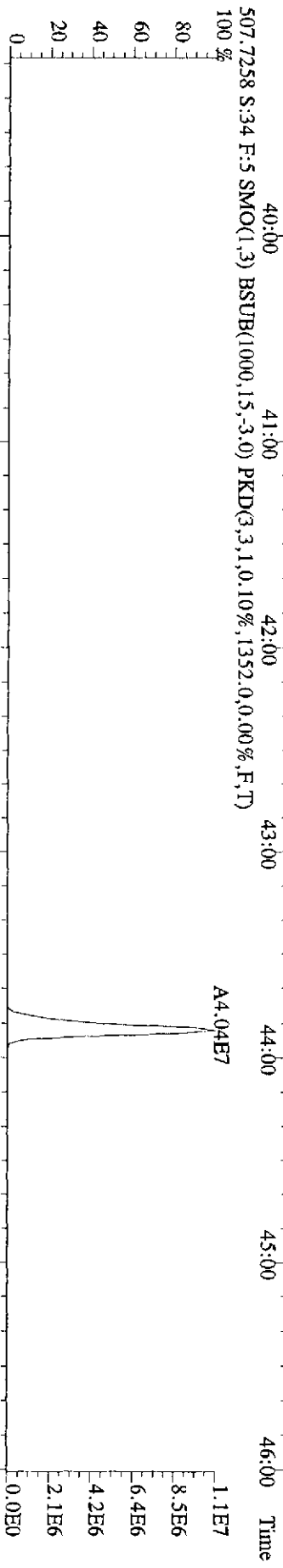
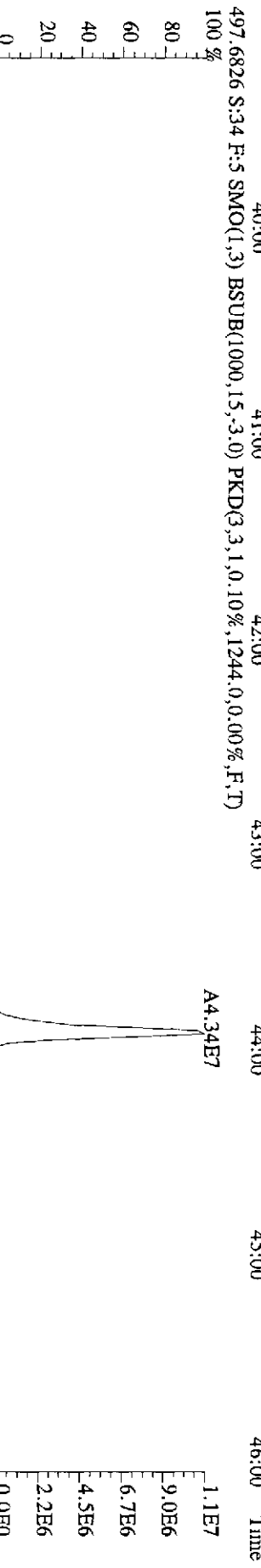
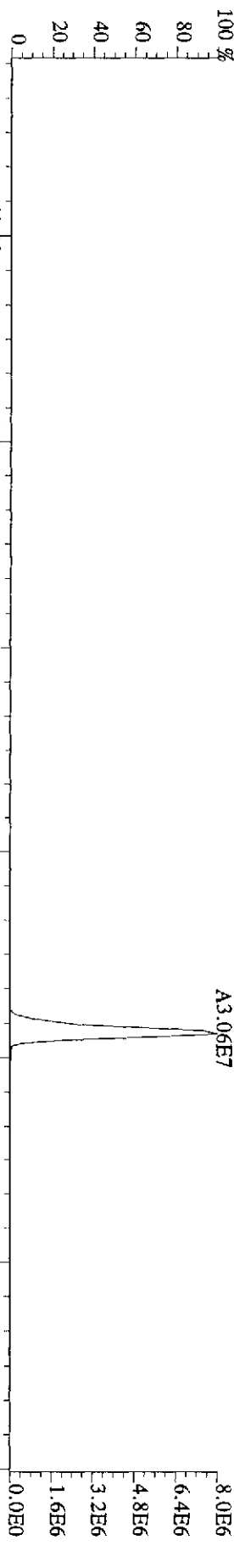


File:28SE099D5 #1-388 Acq:29-SEP-2009 15:36:10 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#34 Text:ST0928C :CS3 09DXN207 Exp:209DB5  
 393.8025 S:34 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2384,0,0,00%,F,T)



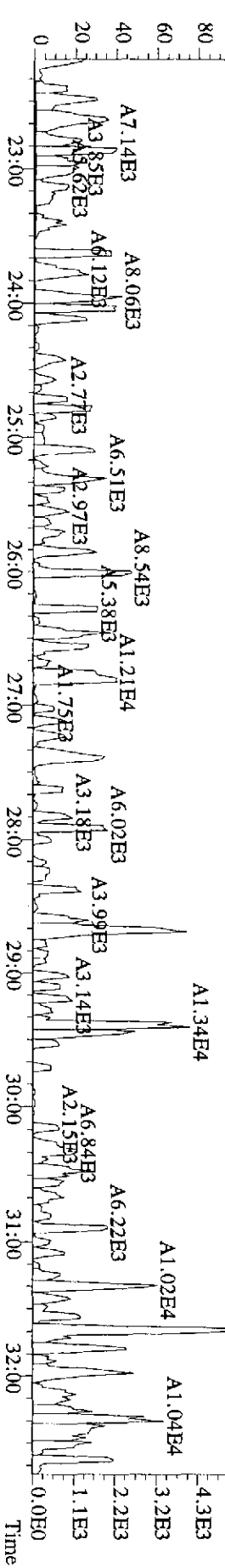
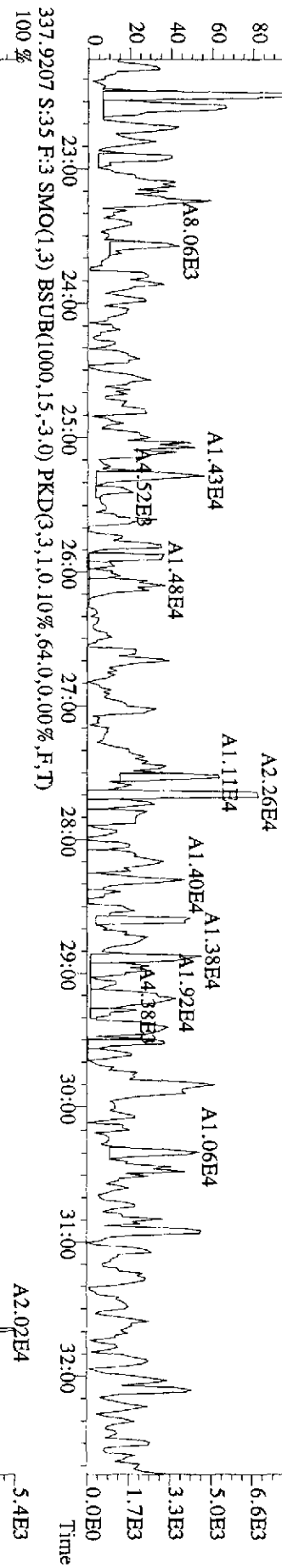
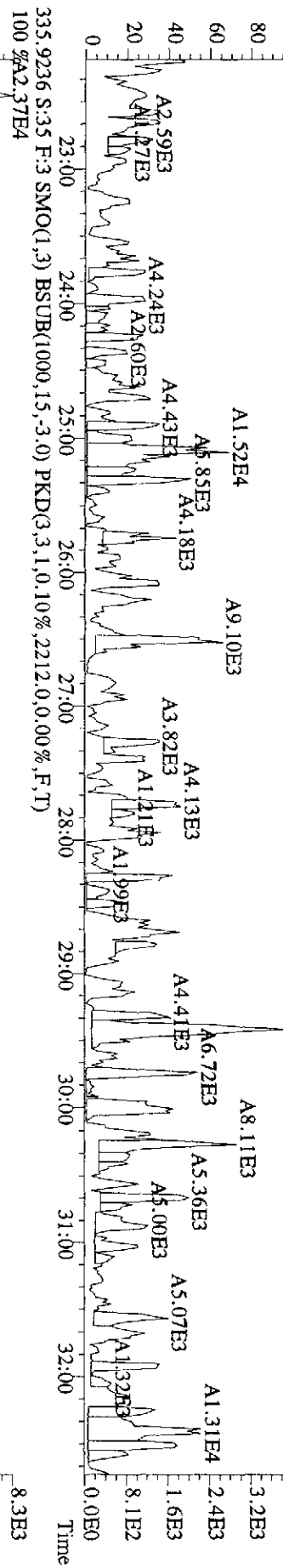
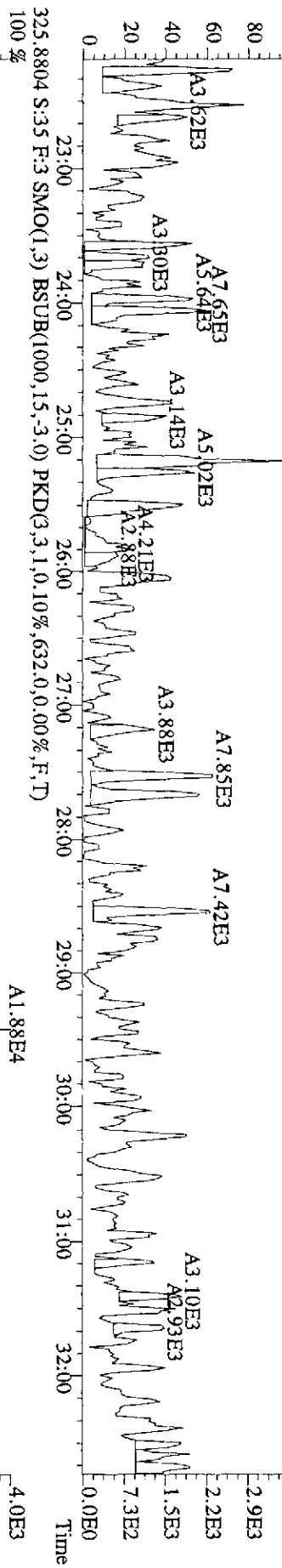


File:28SIE099D5 #1-457 Acq:29-SEP-2009 15:36:10 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#34 Text:ST0928C :CS3 09DXN207 Exp:209DB5  
 495.6856 S:34 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1072,0,0,0,00%,F,T)  
 100 %

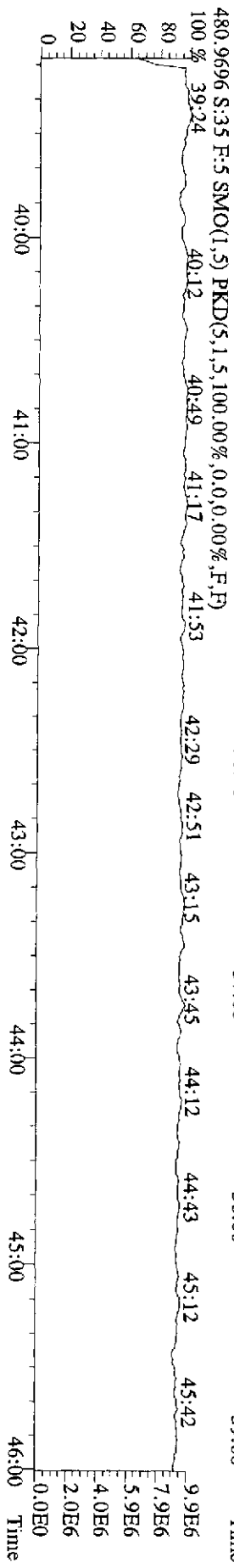
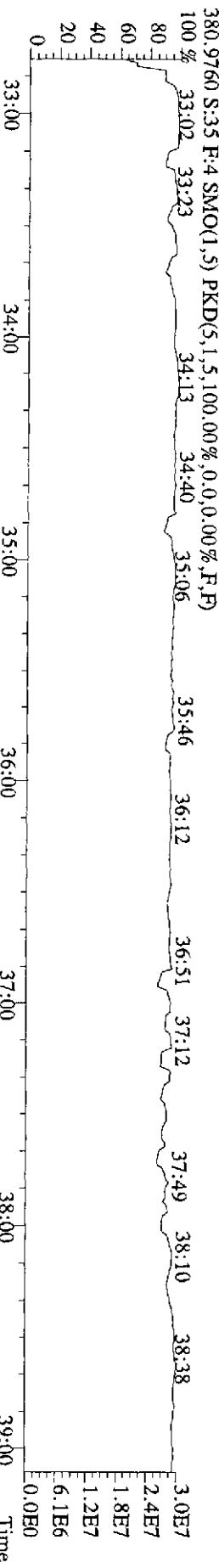
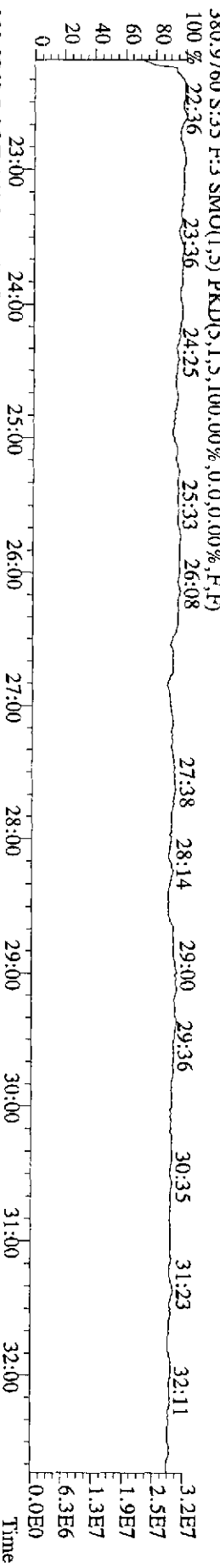
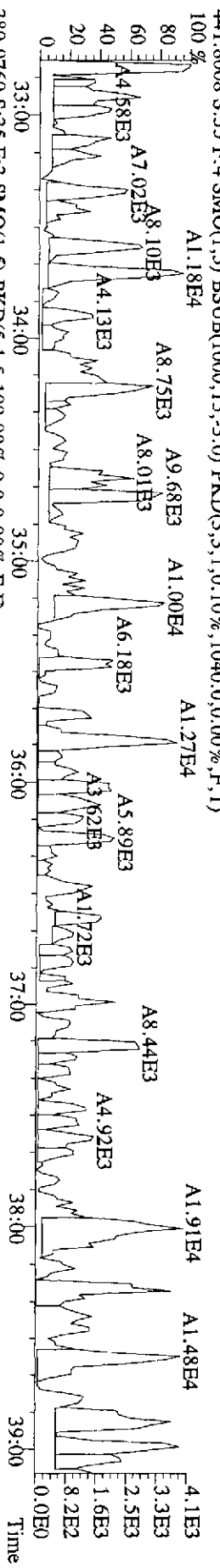
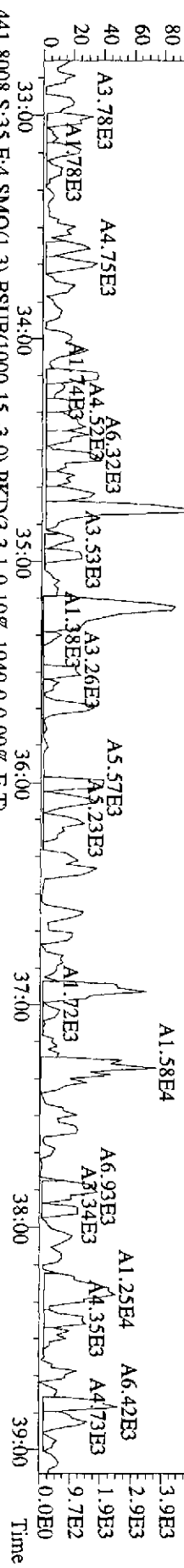




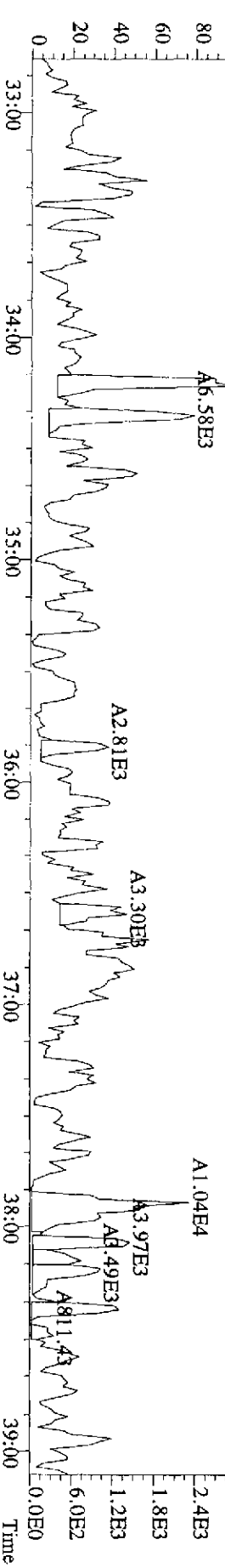
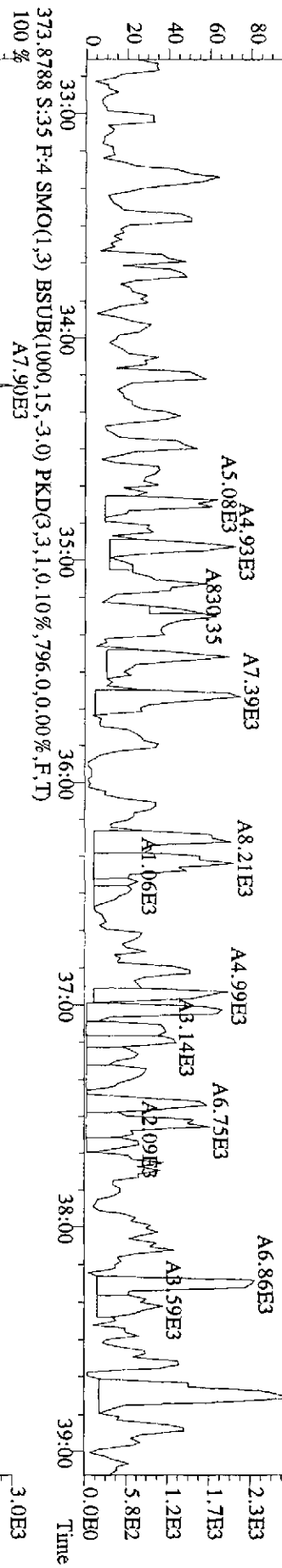
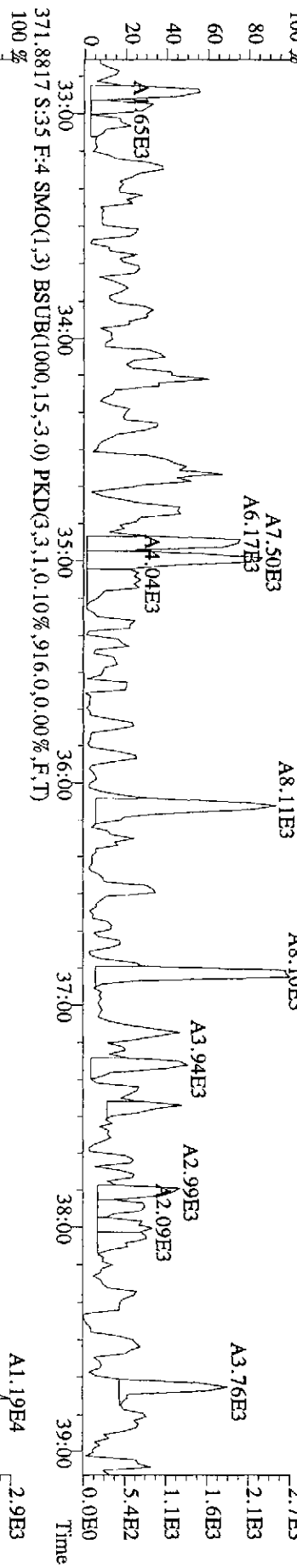
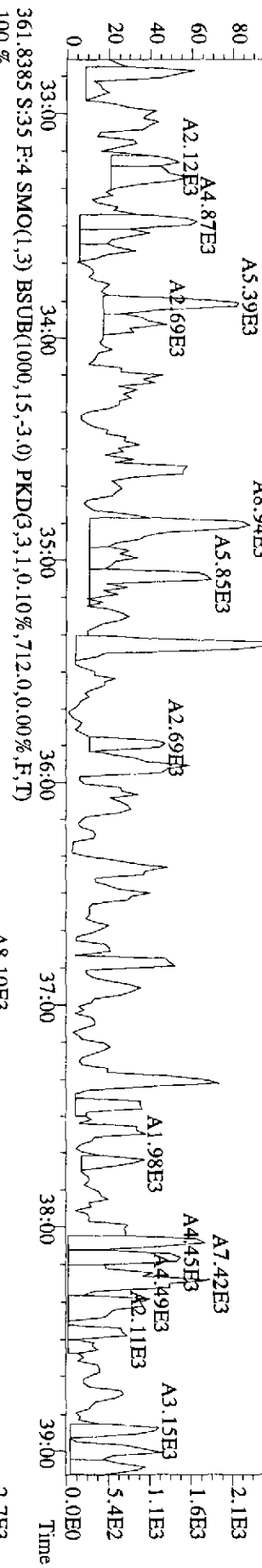
File:28SIB099D5 #1-594 Acq:29-SEP-2009 16:27:31 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#35 Text:SB0928D :Solvent Blank C-12 Exp:209DB5  
 323.8834 S:3.5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,892.0,0.00%,F,T) A1.15E4



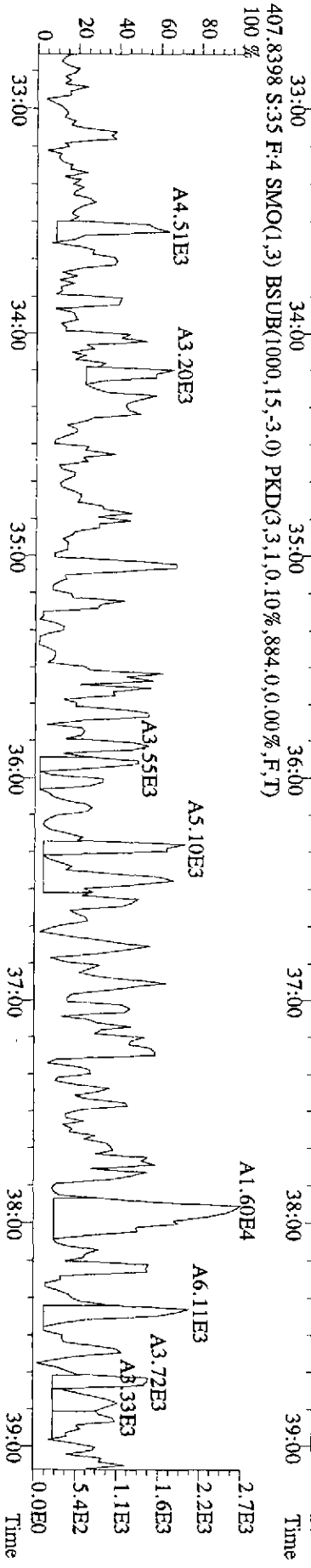
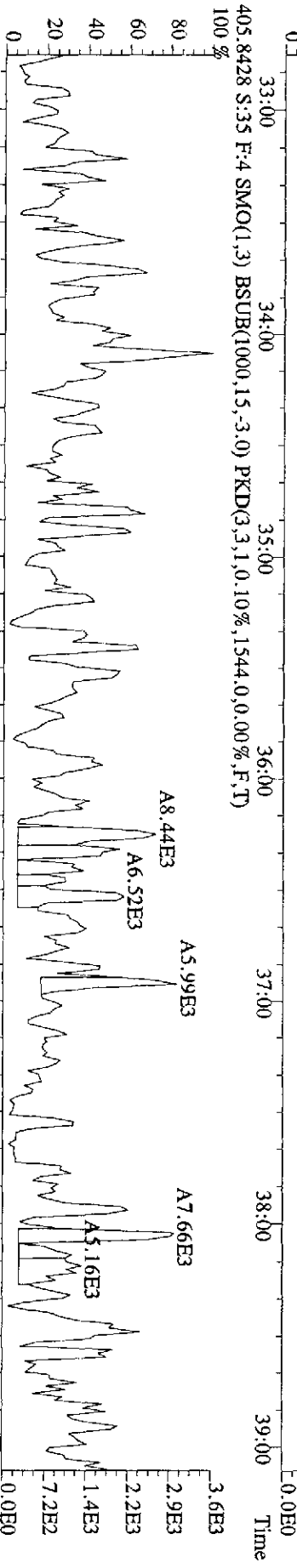
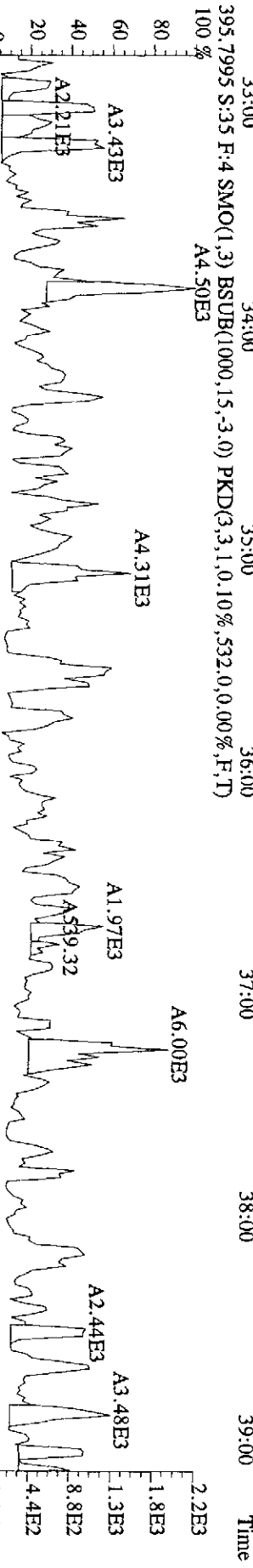
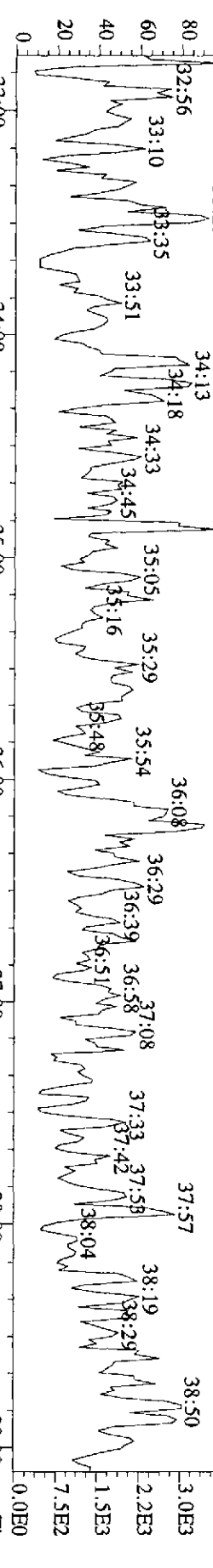
File:28SSE099D5 #1-388 Acq:29-SEP-2009 16:27:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#35 Text:SB0928D Solvent Blank C-12 Exp:209DB5  
 439.8038 S:3.5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1040,0.0,0.00%,F,T)  
 100% A1.53E4



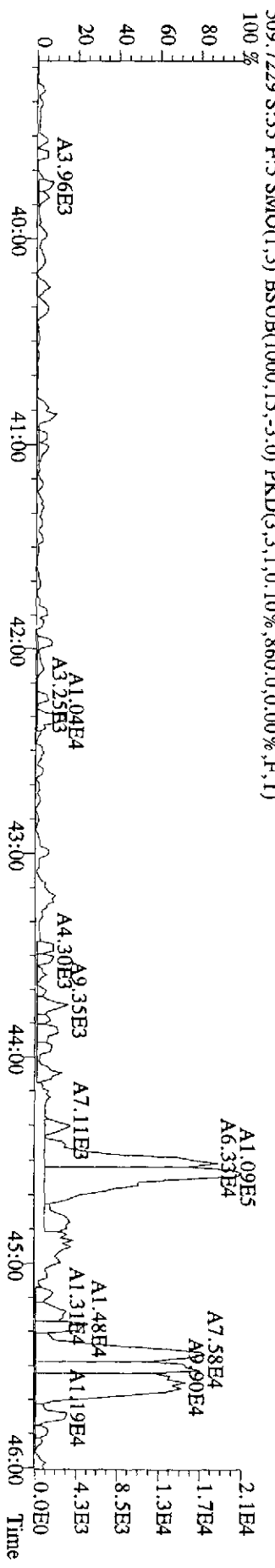
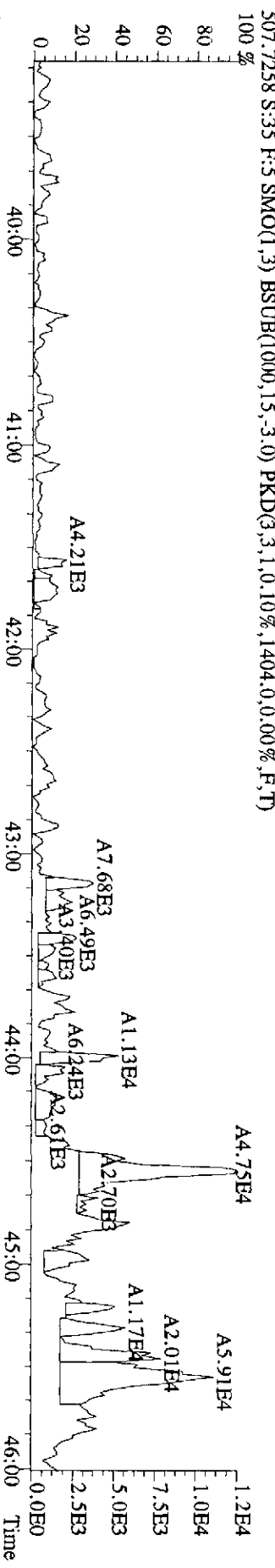
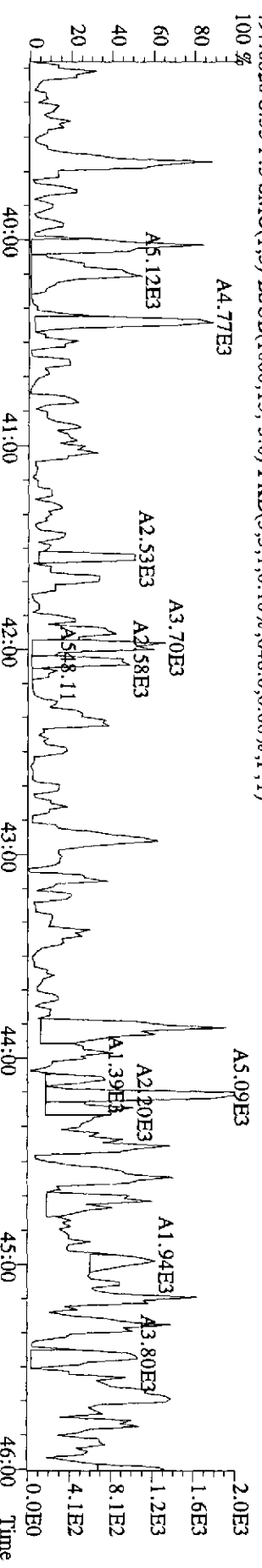
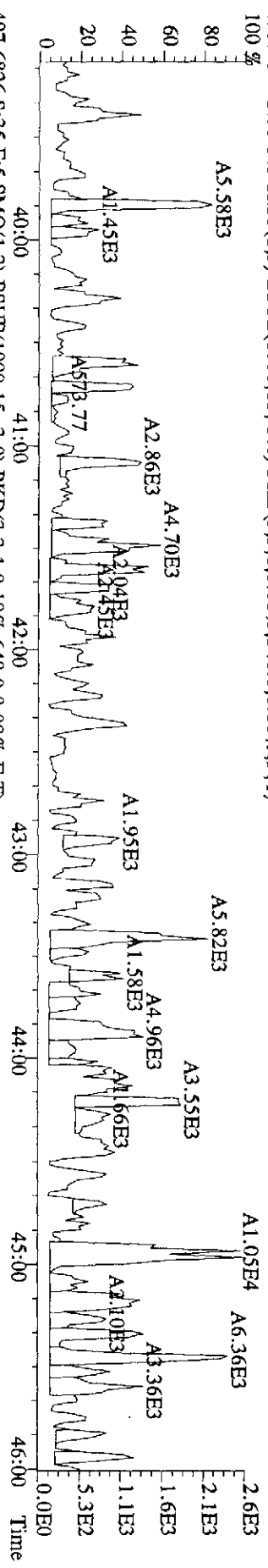
File:28SSEP09D5 #1-388 Acq:29-SEP-2009 16:27:31 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#35 Text:SB0928D :Solvent Blank C-12 Exp:209DB5  
 359.8415 S:35 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,748.0,0.00%,F,T)



File: 28SEI099D5 #1-388 Acq: 29-SEP-2009 16:27:31 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#35 Text: SB0928D :Solvent Blank C-12 Exp: 209DB5  
 393.8025 S:35 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1.956,0.0,0.00%,F,T)  
 100 23:48 33:29



File:28SE099D5 #1-457 Acq:29-SEP-2009 16:27:31 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#35 Text:SB0928D :Solvent Blank C-12 Exp:209DB5  
 495.6856 S:3.5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,540.0,0.00%,F,T)



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***



Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID (1668M DBS, 1668MSL, 1668MSLDEC, USGS PCBs) 0709099DS

Method ID 1668M Date Scanned \_\_\_\_\_

Column ID DB-5 Instrument ID 9DS

STD ID's ST0709A, ST0709B, ST0709C, ST0709D, ST0709E STD Solution 09DXN207, 09DXN205, 09DXN201, 09DXN208, 09DXN209

GC Program 209DBS Multiplier Setting 400

Analyzed By AM Date Analyzed 7-09-09

Prepared By KAS, SMA Date Prepared 7-13-09

Reviewed By M.G. Date Reviewed 7/14/09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

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\*PCB: %RSD not to exceed ±20% for toxic and/or window defining natives (LOC natives.). All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%; S/N ≥ 2.5

1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 5

Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0709099D5

ST0709A : CS3 09DXN207 ST0709B : CS1 09DXN205 ST0709C : CS2 09DXN206  
 ST0709D : CS4 09DXN208 ST0709E : CS5 09DXN209

09JL09E9D509JL09E9D509JL09E9D509JL09E9D509JL09E9D509JL09E9D5

Name	Mean	S. D.	%RSD	S2	S3	S4	S5	S6
13C-TCB-81	1.113	0.032	2.85 %	1.17	1.09	1.10	1.09	1.11
TCB-81	1.327	0.063	4.71 %	1.37	1.22	1.31	1.37	1.37
13C-TCB-77	1.162	0.038	3.26 %	1.22	1.12	1.15	1.15	1.16
TCB-77	1.173	0.030	2.52 %	1.20	1.13	1.16	1.19	1.19
13C-PeCB-123	0.968	0.038	3.88 %	1.01	0.98	0.93	0.93	0.99
PeCB-123	1.653	0.041	2.50 %	1.69	1.59	1.65	1.68	1.65
13C-PeCB-118	1.005	0.036	3.63 %	1.05	0.98	1.01	1.03	0.96
PeCB-118/106	1.645	0.053	3.19 %	1.71	1.62	1.58	1.63	1.68
13C-PeCB-114	1.026	0.024	2.39 %	1.06	1.03	1.00	1.00	1.03
PeCB-114	1.726	0.049	2.81 %	1.79	1.66	1.71	1.72	1.75
13C-PeCB-105	0.970	0.017	1.73 %	1.00	0.97	0.96	0.97	0.96
PeCB-105/127	1.529	0.030	1.93 %	1.58	1.51	1.52	1.52	1.52
13C-PeCB-126	0.996	0.030	3.04 %	1.05	0.98	0.99	0.97	0.99
PeCB-126	1.271	0.016	1.28 %	1.29	1.25	1.26	1.29	1.27
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	1.044	0.029	2.74 %	1.08	1.01	1.02	1.04	1.06
HxCB-167	1.100	0.085	7.71 %	1.18	1.13	0.95	1.12	1.12
13C-HxCB-156	0.839	0.030	3.57 %	0.89	0.81	0.83	0.82	0.85
HxCB-156	1.504	0.031	2.05 %	1.54	1.47	1.48	1.53	1.51
13C-HxCB-157	0.881	0.028	3.23 %	0.93	0.86	0.88	0.86	0.88
HxCB-157	1.495	0.027	1.80 %	1.52	1.47	1.46	1.52	1.51
13C-HxCB-169	0.918	0.036	3.91 %	0.98	0.89	0.91	0.91	0.91
HxCB-169	0.988	0.023	2.36 %	1.01	0.97	0.96	0.99	1.01
13C-HpCB-180	0.744	0.015	2.00 %	0.77	0.74	0.74	0.74	0.73
HpCB-180	1.317	0.051	3.90 %	1.33	1.40	1.27	1.28	1.30
13C-HpCB-170	0.611	0.015	2.47 %	0.64	0.60	0.61	0.59	0.61
HpCB-170/190	1.627	0.012	0.762%	1.63	1.64	1.62	1.63	1.61

<sup>13</sup> C-HpCB-189	0.762	0.022	2.85 %	0.80	0.76	0.75	0.76	0.74
HpCB-189	1.222	0.029	2.39 %	1.24	1.17	1.23	1.23	1.24
<sup>13</sup> C-DeCB-209	0.625	0.015	2.33 %	0.64	0.64	0.62	0.61	0.62
DeCB-209	1.478	0.036	2.40 %	1.50	1.43	1.48	1.52	1.46
<sup>13</sup> C-PeCB-111	1.322	0.042	3.20 %	1.33	1.36	1.36	1.31	1.26

Run #2 Filename 09JUL09E9D5 S: 3 I: 1  
 Acquired: 9-JUL-09 21:14:19 Processed: 10-JUL-09 10:01:47  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC0709099D5

Comments:

Sample text: ST0709B :CS1 09DXN205

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	187491000	0.64 y	25:23	-	100.00 n
13C-TCB-81	204824200	0.80 y	26:57	1.0924	100.00 n
TCB-81	2508230	0.76 y	26:58	1.2246	1.00 n
13C-TCB-77	209592100	0.79 y	27:30	1.1179	100.00 n
TCB-77	2360990	0.78 y	27:31	1.1265	1.00 n
13C-PeCB-123	182836700	0.66 y	28:53	0.9752	100.00 n
PeCB-123	2904570	0.57 y	28:55	1.5886	1.00 n
13C-PeCB-118	182835600	0.65 y	29:02	0.9752	100.00 n
PeCB-118/106	2955870	0.59 y	29:03	1.6167	1.00 n
13C-PeCB-114	193232700	0.66 y	29:40	1.0306	100.00 n
PeCB-114	3200210	0.60 y	29:41	1.6561	1.00 n
13C-PeCB-105	181006900	0.65 y	30:34	0.9654	100.00 n
PeCB-105/127	2724760	0.60 y	30:35	1.5053	1.00 n
13C-PeCB-126	183971000	0.66 y	32:27	0.9812	100.00 n
PeCB-126	2307006	0.63 y	32:28	1.2540	1.00 n
13C-OcCB-202	216904000	0.87 y	34:46	-	100.00 n
13C-HxCB-167	219410800	1.26 y	33:34	1.0116	100.00 n
HxCB-167	2473960	1.31 y	33:35	1.1275	1.00 y
13C-HxCB-156	175995900	1.29 y	34:52	0.8114	100.00 n
HxCB-156	2580620	1.25 y	34:53	1.4663	1.00 n
13C-HxCB-157	186617700	1.25 y	35:11	0.8604	100.00 n
HxCB-157	2743240	1.20 y	35:12	1.4700	1.00 n
13C-HxCB-169	191991000	1.29 y	37:00	0.8851	100.00 n
HxCB-169	1854354	1.21 y	37:01	0.9659	1.00 n
13C-HpCB-180	160472500	1.05 y	35:49	0.7398	100.00 n
HpCB-180	2245100	1.12 y	35:51	1.3991	1.00 n
13C-HpCB-170	131129800	1.05 y	37:28	0.6046	100.00 n
HpCB-170/190	2155061	1.17 y	37:29	1.6435	1.00 n
13C-HpCB-189	165456200	1.04 y	39:05	0.7628	100.00 n
HpCB-189	1937453	1.04 y	39:06	1.1710	1.00 n
13C-DeCB-209	137958100	0.72 y	44:04	0.6360	100.00 n
DeCB-209	1966589	0.77 y	44:05	1.4255	1.00 n
13C-PeCB-111	251683600	0.65 y	26:50	1.3606	100.00 n

Run #2    Filename 09JL09E9D5    S: 2    I: 1  
 Acquired: 9-JUL-09    21:14:19    Processed: 14-JUL-09    08:35:50  
 Run: 09JL09E9D5    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0709099D5

Comments:

Sample text: ST0709B :CS1 09DXN205

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	251683600	0.65 y	26:50	-	100.00	n
13C-TCB-81	204824200	0.80 y	26:57	0.8138	100.00	n
TCB-81	2508230	0.76 y	26:58	1.2246	1.00	n
13C-TCB-77	209592100	0.79 y	27:30	0.8328	100.00	n
TCB-77	2360990	0.78 y	27:31	1.1265	1.00	n
13C-PeCB-123	251683600	0.65 y	26:50	1.0000	100.00	n
PeCB-123	2705070	0.64 y	25:25	1.0748	1.00	n
13C-PeCB-118	182836700	0.66 y	28:53	0.7265	100.00	n
PeCB-118/106	2904570	0.57 y	28:55	1.5886	1.00	n
13C-PeCB-114	182835600	0.65 y	29:02	0.7265	100.00	n
PeCB-114	2955870	0.59 y	29:03	1.6167	1.00	n
13C-PeCB-105	193232700	0.66 y	29:40	0.7678	100.00	n
PeCB-105/127	3200210	0.60 y	29:41	1.6561	1.00	n
13C-PeCB-126	183971000	0.66 y	32:27	0.7310	100.00	n
PeCB-126	2724760	0.60 y	30:35	1.4811	1.00	n
13C-OcCB-202	216904000	0.87 y	34:46	-	100.00	n
13C-HxCB-167	219410800	1.26 y	33:34	1.0116	100.00	n
HxCB-167	4767440	1.26 y	33:35	2.1728	1.00	n
13C-HxCB-156	175995900	1.29 y	34:52	0.8114	100.00	n
HxCB-156	2580620	1.25 y	34:53	1.4663	1.00	n
13C-HxCB-157	186617700	1.25 y	35:11	0.8604	100.00	n
HxCB-157	2743240	1.20 y	35:12	1.4700	1.00	n
13C-HxCB-169	191991000	1.29 y	37:00	0.8851	100.00	n
HxCB-169	1854355	1.21 y	37:01	0.9659	1.00	n
13C-HpCB-180	160472500	1.05 y	35:49	0.7398	100.00	n
HpCB-180	2245100	1.12 y	35:51	1.3991	1.00	n
13C-HpCB-170	131129800	1.05 y	37:28	0.6046	100.00	n
HpCB-170/190	2155061	1.17 y	37:29	1.6435	1.00	n
13C-HpCB-189	165456200	1.04 y	39:05	0.7628	100.00	n
HpCB-189	1937453	1.04 y	39:06	1.1710	1.00	n
13C-DeCB-209	137958100	0.72 y	44:04	0.6360	100.00	n
DECB-209	1966589	0.77 y	44:05	1.4255	1.00	n
13C-PeCB-111	193232700	0.66 y	29:40	0.9535	100.00	n

Run #0    Filename 09JL09E9D5    S: 1    T: 1  
 Acquired: 9-JUL-09    22:05:42    Processed: 10-JUL-09    10:01:48  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0709099D5  
 Comments:

Sample text: ST0709C :CS2 09DXN206

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	207462200	0.66 y	25:23	-	100.00 n
13C-TCB-81	228133500	0.78 y	26:56	1.0996	100.00 n
TCB-81	14940210	0.79 y	26:56	1.3098	5.00 n
13C-TCB-77	238902000	0.79 y	27:29	1.1515	100.00 n
TCB-77	13911730	0.84 y	27:30	1.1646	5.00 n
13C-PeCB-123	191935000	0.67 y	28:53	0.9252	100.00 n
PeCB-123	15803590	0.63 y	28:54	1.6468	5.00 n
13C-PeCB-118	210414800	0.66 y	29:00	1.0142	100.00 n
PeCB-118/106	16664040	0.57 y	29:01	1.5839	5.00 n
13C-PeCB-114	207529700	0.66 y	29:39	1.0003	100.00 n
PeCB-114	17782980	0.64 y	29:40	1.7138	5.00 n
13C-PeCB-105	198992000	0.66 y	30:32	0.9592	100.00 n
PeCB-105/127	15101560	0.59 y	30:33	1.5178	5.00 n
13C-PeCB-126	204401000	0.64 y	32:25	0.9852	100.00 n
PeCB-126	12850040	0.58 y	32:26	1.2573	5.00 n
13C-OcCB-202	223252000	0.86 y	34:44	-	100.00 n
13C-HxCB-167	228034000	1.26 y	33:32	1.0214	100.00 n
HxCB-167	10882910	1.29 y	33:32	0.9545	5.00 y
13C-HxCB-156	184795300	1.28 y	34:51	0.8277	100.00 n
HxCB-156	13659770	1.26 y	34:52	1.4784	5.00 n
13C-HxCB-157	196777400	1.26 y	35:10	0.8814	100.00 n
HxCB-157	14388740	1.23 y	35:11	1.4624	5.00 n
13C-HxCB-169	202590300	1.26 y	36:59	0.9075	100.00 n
HxCB-169	9734290	1.24 y	37:00	0.9610	5.00 n
13C-HpCB-180	165184200	1.04 y	35:48	0.7399	100.00 n
HpCB-180	10520050	1.11 y	35:49	1.2737	5.00 n
13C-HpCB-170	136135200	1.05 y	37:28	0.6098	100.00 n
HpCB-170/190	11055640	1.10 y	37:29	1.6242	5.00 n
13C-HpCB-189	167212800	1.06 y	39:04	0.7490	100.00 n
HpCB-189	10301030	1.10 y	39:05	1.2321	5.00 n
13C-DeCB-209	137348400	0.72 y	44:03	0.6152	100.00 n
DeCB-209	10194610	0.68 y	44:04	1.4845	5.00 n
13C-PeCB-111	274130000	0.66 y	26:49	1.3556	100.00 n

Run #3 Filename 09JUL09E9D5 S: 4 I: 1  
 Acquired: 9-JUL-09 22:05:42 Processed: 14-JUL-09 08:35:51  
 Run: 09JUL09E9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC070909D5

Comments:

Sample text: ST0709C :CS2 09DXN206

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	274130000	0.66 y	26:49	-	100.00 n
13C-TCB-81	228133500	0.78 y	26:56	0.8322	100.00 n
TCB-81	14940210	0.79 y	26:56	1.3098	5.00 n
13C-TCB-77	238902000	0.79 y	27:29	0.8715	100.00 n
TCB-77	13911730	0.84 y	27:30	1.1646	5.00 n
13C-PeCB-123	274130000	0.66 y	26:49	1.0000	100.00 n
PeCB-123	15243400	0.61 y	25:25	1.1121	5.00 n
13C-PeCB-118	191935000	0.67 y	28:53	0.7002	100.00 n
PeCB-118/106	15803590	0.63 y	28:54	1.6468	5.00 n
13C-PeCB-114	210414800	0.66 y	29:00	0.7676	100.00 n
PeCB-114	16664040	0.57 y	29:01	1.5839	5.00 n
13C-PeCB-105	207529700	0.66 y	29:39	0.7570	100.00 n
PeCB-105/127	17782980	0.64 y	29:40	1.7138	5.00 n
13C-PeCB-126	204401000	0.64 y	32:25	0.7456	100.00 n
PeCB-126	15101560	0.59 y	30:33	1.4776	5.00 n
13C-OcCB-202	223252000	0.86 y	34:44	-	100.00 n
13C-HxCB-167	228034000	1.26 y	33:32	1.0214	100.00 n
HxCB-167	24974600	1.28 y	33:31	2.1904	5.00 n
13C-HxCB-156	184795300	1.28 y	34:51	0.8277	100.00 n
HxCB-156	13659770	1.26 y	34:52	1.4784	5.00 n
13C-HxCB-157	196777400	1.26 y	35:10	0.8814	100.00 n
HxCB-157	14388740	1.23 y	35:11	1.4624	5.00 n
13C-HxCB-169	202590300	1.26 y	36:59	0.9075	100.00 n
HxCB-169	9734290	1.24 y	37:00	0.9610	5.00 n
13C-HpCB-180	165184200	1.04 y	35:48	0.7399	100.00 n
HpCB-180	10520050	1.11 y	35:49	1.2737	5.00 n
13C-HpCB-170	136135200	1.05 y	37:28	0.6098	100.00 n
HpCB-170/190	11055640	1.10 y	37:29	1.6242	5.00 n
13C-HpCB-189	167212800	1.06 y	39:04	0.7490	100.00 n
HpCB-189	10301030	1.10 y	39:05	1.2321	5.00 n
13C-DeCB-209	137348400	0.72 y	44:03	0.6152	100.00 n
DECB-209	10194610	0.68 y	44:04	1.4845	5.00 n
13C-PeCB-111	207529700	0.66 y	29:39	0.9390	100.00 n

Run #1 Filename 09JL09E9D5 S: 2 I: 1  
 Acquired: 9-JUL-09 20:19:51 Processed: 10-JUL-09 10:01:46  
 Run: CAL Analyte: 1668MSLDEC Cal: 1668MSLDEC070909D5  
 Comments:

Sample text: ST0709A :CS3 09DXN207

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	226039300	0.66 y	25:24	-	100.00 n
13C-TCB-81	264132000	0.78 y	26:57	1.1685	100.00 n
TCB-81	180860900	0.80 y	26:58	1.3695	50.00 n
13C-TCB-77	276256000	0.79 y	27:31	1.2222	100.00 n
TCB-77	166170600	0.78 y	27:32	1.2030	50.00 n
13C-PeCB-123	228800300	0.65 y	28:53	1.0122	100.00 n
PeCB-123	193776000	0.61 y	28:54	1.6938	50.00 n
13C-PeCB-118	236235700	0.65 y	29:01	1.0451	100.00 n
PeCB-118/106	202462700	0.61 y	29:02	1.7141	50.00 n
13C-PeCB-114	239821200	0.66 y	29:41	1.0610	100.00 n
PeCB-114	214438200	0.61 y	29:41	1.7883	50.00 n
13C-PeCB-105	225879700	0.66 y	30:33	0.9993	100.00 n
PeCB-105/127	178551200	0.61 y	30:34	1.5809	50.00 n
13C-PeCB-126	237005100	0.65 y	32:26	1.0485	100.00 n
PeCB-126	152477800	0.62 y	32:27	1.2867	50.00 n
13C-OcCB-202	250799000	0.87 y	34:45	-	100.00 n
13C-HxCB-167	271269000	1.27 y	33:34	1.0816	100.00 n
HxCB-167	159773000	1.30 y	33:33	1.1780	50.00 y
13C-HxCB-156	222283300	1.27 y	34:51	0.8863	100.00 n
HxCB-156	170991200	1.26 y	34:52	1.5385	50.00 n
13C-HxCB-157	232827000	1.25 y	35:11	0.9283	100.00 n
HxCB-157	176379400	1.26 y	35:12	1.5151	50.00 n
13C-HxCB-169	245633000	1.26 y	37:00	0.9794	100.00 n
HxCB-169	124151100	1.27 y	37:01	1.0109	50.00 n
13C-HpCB-180	192843600	1.06 y	35:49	0.7689	100.00 n
HpCB-180	128521000	1.09 y	35:50	1.3329	50.00 n
13C-HpCB-170	159376500	1.06 y	37:29	0.6355	100.00 n
HpCB-170/190	129956100	1.07 y	37:30	1.6308	50.00 n
13C-HpCB-189	200204000	1.06 y	39:05	0.7983	100.00 n
HpCB-189	124506100	1.09 y	39:06	1.2438	50.00 n
13C-DeCB-209	161495000	0.72 y	44:04	0.6439	100.00 n
DeCB-209	121184700	0.70 y	44:05	1.5008	50.00 n
13C-PeCB-111	308503000	0.65 y	26:50	1.3258	100.00 n



Run #1 Filename 09JL09E9D5 S: 2 I: 1  
Acquired: 9-JUL-09 20:19:51 Processed: 14-JUL-09 08:35:49  
Run: 09JL09E9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC0709099D5

Comments:

Sample text: ST0709A :CS3 09DXN207

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	308503000	0.65 y	26:50	-	100.00 n
13C-TCB-81	264132000	0.78 y	26:57	0.8562	100.00 n
TCB-81	180860900	0.80 y	26:58	1.3695	50.00 n
13C-TCB-77	276256000	0.79 y	27:31	0.8955	100.00 n
TCB-77	166170600	0.78 y	27:32	1.2030	50.00 n
13C-PeCB-123	308503000	0.65 y	26:50	1.0000	100.00 n
PeCB-123	176016200	0.61 y	25:25	1.1411	50.00 n
13C-PeCB-118	228800300	0.65 y	28:53	0.7416	100.00 n
PeCB-118/106	193776000	0.61 y	28:54	1.6938	50.00 n
13C-PeCB-114	236235700	0.65 y	29:01	0.7657	100.00 n
PeCB-114	202462700	0.61 y	29:02	1.7141	50.00 n
13C-PeCB-105	239821200	0.66 y	29:41	0.7774	100.00 n
PeCB-105/127	214438200	0.61 y	29:41	1.7883	50.00 n
13C-PeCB-126	237005100	0.65 y	32:26	0.7682	100.00 n
PeCB-126	178551200	0.61 y	30:34	1.5067	50.00 n
13C-OcCB-202	250799000	0.87 y	34:45	-	100.00 n
13C-HxCB-167	271269000	1.27 y	33:34	1.0816	100.00 n
HxCB-167	312613000	1.26 y	33:33	2.3048	50.00 n
13C-HxCB-156	222283300	1.27 y	34:51	0.8863	100.00 n
HxCB-156	170991200	1.26 y	34:52	1.5385	50.00 n
13C-HxCB-157	232827000	1.25 y	35:11	0.9283	100.00 n
HxCB-157	176379400	1.26 y	35:12	1.5151	50.00 n
13C-HxCB-169	245633000	1.26 y	37:00	0.9794	100.00 n
HxCB-169	124151200	1.27 y	37:01	1.0109	50.00 n
13C-HpCB-180	192843600	1.06 y	35:49	0.7689	100.00 n
HpCB-180	128521000	1.09 y	35:50	1.3329	50.00 n
13C-HpCB-170	159376500	1.06 y	37:29	0.6355	100.00 n
HpCB-170/190	129956100	1.07 y	37:30	1.6308	50.00 n
13C-HpCB-189	200204000	1.06 y	39:05	0.7983	100.00 n
HpCB-189	124506100	1.09 y	39:06	1.2438	50.00 n
13C-DeCB-209	161495000	0.72 y	44:04	0.6439	100.00 n
DeCB-209	121184700	0.70 y	44:05	1.5008	50.00 n
13C-PeCB-111	239821200	0.66 y	29:41	0.9466	100.00 n

Run #4    Filename 09JL09E9D5    S: 5    T: 1  
 Acquired: 9-JUL-09    22:57:05    Processed: 10-JUL-09    10:01:49  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC070909D5  
 Comments:

Sample text: ST0709D :CS4 09DXN208

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	214062800	0.66 y	25:23	-	100.00	n
13C-TCB-81	234317000	0.80 y	26:56	1.0946	100.00	n
TCB-81	640295000	0.80 y	26:57	1.3663	200.00	n
13C-TCB-77	247167000	0.79 y	27:30	1.1546	100.00	n
TCB-77	587359000	0.81 y	27:31	1.1882	200.00	n
13C-PeCB-123	199781800	0.65 y	28:53	0.9333	100.00	n
PeCB-123	672994000	0.64 y	28:54	1.6843	200.00	n
13C-PeCB-118	220731700	0.66 y	29:00	1.0312	100.00	n
PeCB-118/106	718720000	0.57 y	29:01	1.6280	200.00	n
13C-PeCB-114	215002400	0.66 y	29:40	1.0044	100.00	n
PeCB-114	741082000	0.61 y	29:41	1.7234	200.00	n
13C-PeCB-105	207140300	0.67 y	30:32	0.9677	100.00	n
PeCB-105/127	629670000	0.61 y	30:33	1.5199	200.00	n
13C-PeCB-126	208163800	0.64 y	32:25	0.9724	100.00	n
PeCB-126	536743000	0.61 y	32:26	1.2892	200.00	n
13C-OcCB-202	231064000	0.87 y	34:44	-	100.00	n
13C-HxCB-167	241187000	1.26 y	33:33	1.0438	100.00	n
HxCB-167	538006000	1.27 y	33:33	1.1153	200.00	y
13C-HxCB-156	189445300	1.27 y	34:51	0.8199	100.00	n
HxCB-156	578009000	1.27 y	34:52	1.5255	200.00	n
13C-HxCB-157	198163100	1.26 y	35:10	0.8576	100.00	n
HxCB-157	602297000	1.26 y	35:11	1.5197	200.00	n
13C-HxCB-169	209599200	1.28 y	36:59	0.9071	100.00	n
HxCB-169	416321000	1.28 y	37:00	0.9931	200.00	n
13C-HpCB-180	170937900	1.05 y	35:48	0.7398	100.00	n
HpCB-180	437872000	1.08 y	35:49	1.2808	200.00	n
13C-HpCB-170	137374400	1.05 y	37:28	0.5945	100.00	n
HpCB-170/190	447451000	1.09 y	37:29	1.6286	200.00	n
13C-HpCB-189	174661800	1.06 y	39:04	0.7559	100.00	n
HpCB-189	428508000	1.07 y	39:05	1.2267	200.00	n
13C-DeCB-209	140790600	0.72 y	44:03	0.6093	100.00	n
DECB-209	426939000	0.70 y	44:04	1.5162	200.00	n
13C-PeCB-111	276836000	0.65 y	26:49	1.3141	100.00	n

Run #4    Filename: 09JUL09E9D5    S: 5    I: 1  
 Acquired: 9-JUL-09    22:57:05    Processed: 14-JUL-09    08:35:53  
 Run: 09JUL09E9D5    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0709099D5

Comments:

Sample text: ST0709D :CS4 09DXN208

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	276836000	0.65 y	26:49	-	100.00 n
13C-TCB-81	234317000	0.80 y	26:56	0.8464	100.00 n
TCB-81	640295000	0.80 y	26:57	1.3663	200.00 n
13C-TCB-77	247167000	0.79 y	27:30	0.8928	100.00 n
TCB-77	587359000	0.81 y	27:31	1.1882	200.00 n
13C-PeCB-123	276836000	0.65 y	26:49	1.0000	100.00 n
PeCB-123	640242000	0.62 y	25:24	1.1564	200.00 n
13C-PeCB-118	199781800	0.65 y	28:53	0.7217	100.00 n
PeCB-118/106	672994000	0.64 y	28:54	1.6843	200.00 n
13C-PeCB-114	220731700	0.66 y	29:00	0.7973	100.00 n
PeCB-114	718720000	0.57 y	29:01	1.6280	200.00 n
13C-PeCB-105	215002400	0.66 y	29:40	0.7766	100.00 n
PeCB-105/127	741082000	0.61 y	29:41	1.7234	200.00 n
13C-PeCB-126	208163800	0.64 y	32:25	0.7519	100.00 n
PeCB-126	629670000	0.61 y	30:33	1.5124	200.00 n
13C-OcCB-202	231064000	0.87 y	34:44	-	100.00 n
13C-HxCB-167	241187000	1.26 y	33:33	1.0438	100.00 n
HxCB-167	1077601000	1.25 y	33:32	2.2340	200.00 n
13C-HxCB-156	189445300	1.27 y	34:51	0.8199	100.00 n
HxCB-156	578009000	1.27 y	34:52	1.5255	200.00 n
13C-HxCB-157	198163100	1.26 y	35:10	0.8576	100.00 n
HxCB-157	602297000	1.26 y	35:11	1.5197	200.00 n
13C-HxCB-169	209599200	1.28 y	36:59	0.9071	100.00 n
HxCB-169	416321000	1.28 y	37:00	0.9931	200.00 n
13C-HpCB-180	170937900	1.05 y	35:48	0.7398	100.00 n
HpCB-180	437872000	1.08 y	35:49	1.2808	200.00 n
13C-HpCB-170	137374400	1.05 y	37:28	0.5945	100.00 n
HpCB-170/190	447451000	1.09 y	37:29	1.6286	200.00 n
13C-HpCB-189	174661800	1.06 y	39:04	0.7559	100.00 n
HpCB-189	428508000	1.07 y	39:05	1.2267	200.00 n
13C-DeCB-209	140790600	0.72 y	44:03	0.6093	100.00 n
DeCB-209	426939000	0.70 y	44:04	1.5162	200.00 n
13C-PeCB-111	215002400	0.66 y	29:40	0.9426	100.00 n

Run #5    Filename 09JL09E9D5    S: 6    I: 1  
 Acquired: 9-JUL-09    23:48:27    Processed: 10-JUL-09    10:01:49  
 Run: CAL    Analyte: 1668MSLDEC    Cal: 1668MSLDEC0709099D5  
 Comments:

Sample text: ST0709E :CS5 09DXN209

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	222349100	0.67 y	25:24	-	100.00	n
13C-TCB-81	246610000	0.80 y	26:56	1.1091	100.00	n
TCB-81	1684135000	0.79 y	26:57	1.3658	500.00	n
13C-TCB-77	258265000	0.80 y	27:29	1.1615	100.00	n
TCB-77	1530272000	0.78 y	27:30	1.1850	500.00	n
13C-PeCB-123	220642600	0.66 y	28:53	0.9923	100.00	n
PeCB-123	1823315000	0.61 y	28:54	1.6527	500.00	n
13C-PeCB-118	213402400	0.66 y	29:01	0.9598	100.00	n
PeCB-118/106	1795936000	0.61 y	29:01	1.6831	500.00	n
13C-PeCB-114	229301100	0.67 y	29:39	1.0313	100.00	n
PeCB-114	2004461000	0.61 y	29:40	1.7483	500.00	n
13C-PeCB-105	213217900	0.67 y	30:32	0.9589	100.00	n
PeCB-105/127	1623908000	0.61 y	30:33	1.5232	500.00	n
13C-PeCB-126	220623900	0.65 y	32:25	0.9922	100.00	n
PeCB-126	1398581000	0.61 y	32:26	1.2678	500.00	n
13C-OcCB-202	238997000	0.87 y	34:44	-	100.00	n
13C-HxCB-167	253689000	1.26 y	33:32	1.0615	100.00	n
HxCB-167	1423751000	1.26 y	33:32	1.1224	500.00	y
13C-HxCB-156	202904700	1.27 y	34:50	0.8490	100.00	n
HxCB-156	1533504000	1.25 y	34:52	1.5116	500.00	n
13C-HxCB-157	209295100	1.26 y	35:10	0.8757	100.00	n
HxCB-157	1579345000	1.26 y	35:11	1.5092	500.00	n
13C-HxCB-169	217549000	1.28 y	36:59	0.9103	100.00	n
HxCB-169	1096488000	1.26 y	37:00	1.0080	500.00	n
13C-HpCB-180	174359100	1.07 y	35:48	0.7295	100.00	n
HpCB-180	1131363000	1.09 y	35:49	1.2977	500.00	n
13C-HpCB-170	146145800	1.07 y	37:28	0.6115	100.00	n
HpCB-170/190	1175838000	1.07 y	37:29	1.6091	500.00	n
13C-HpCB-189	177568900	1.06 y	39:04	0.7430	100.00	n
HpCB-189	1097805000	1.09 y	39:05	1.2365	500.00	n
13C-DeCB-209	148127600	0.72 y	44:03	0.6198	100.00	n
DECB-209	1082590000	0.70 y	44:04	1.4617	500.00	n
13C-PeCB-111	275070000	0.65 y	26:49	1.2552	100.00	n

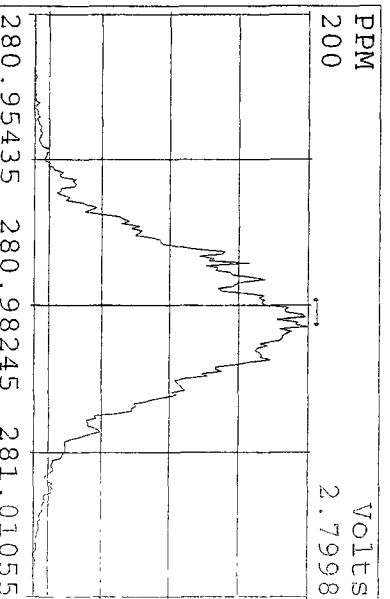
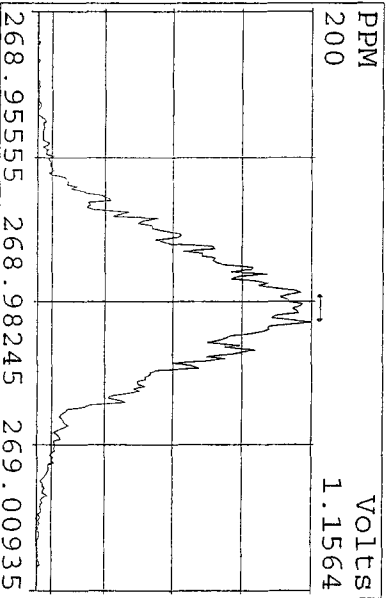
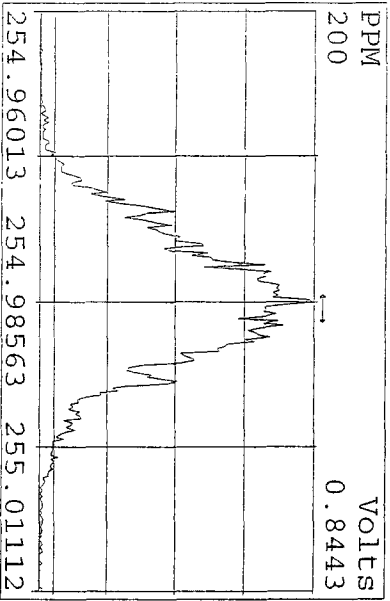
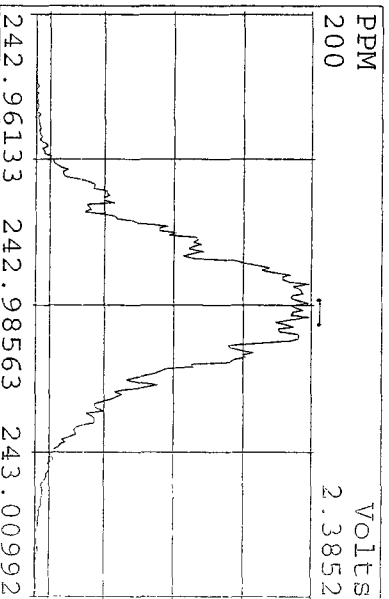
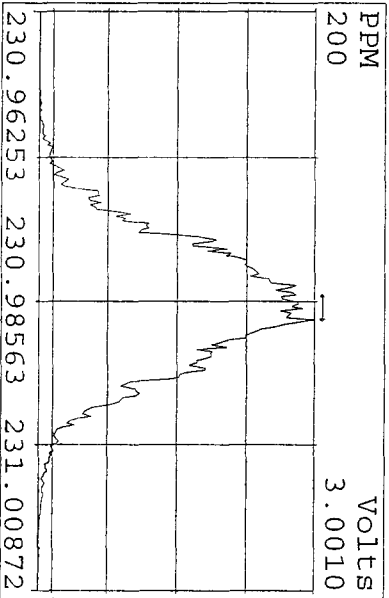
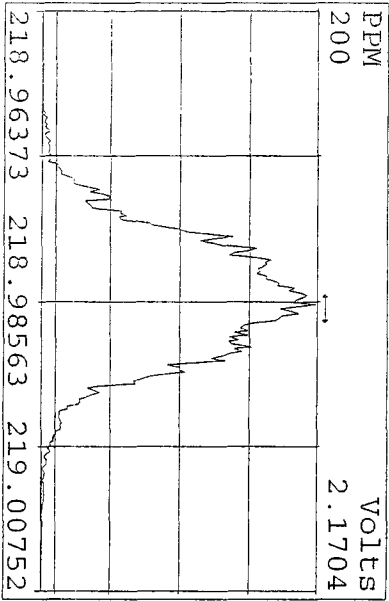
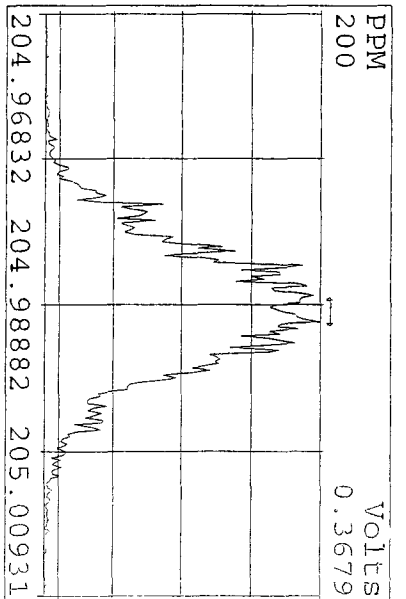
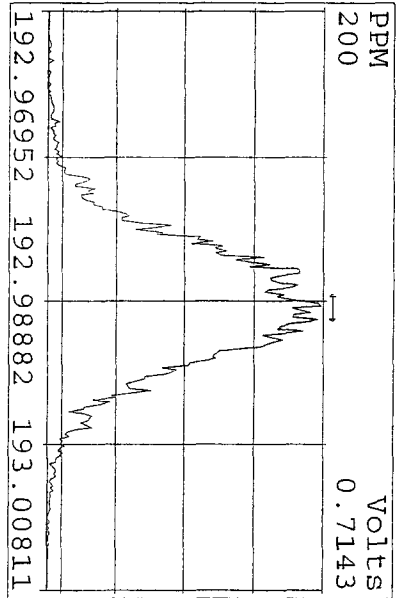
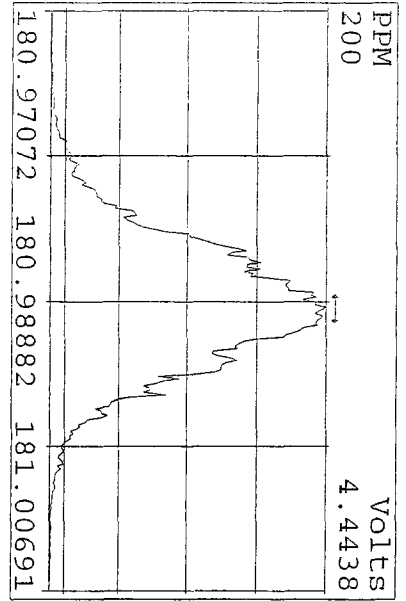
Run #5 Filename 09JUL09E9D5 S: 6 Y: 1  
 Acquired: 9-JUL-09 23:48:27 Processed: 14-JUL-09 08:35:54  
 Run: 09JUL09E9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC070909D5  
 Comments:

Sample text: ST0709E :CS5 09DXN209

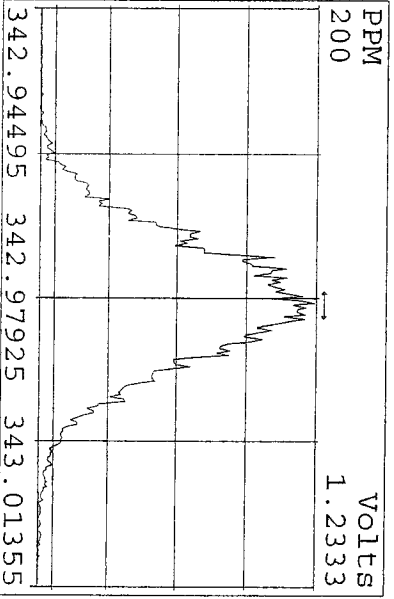
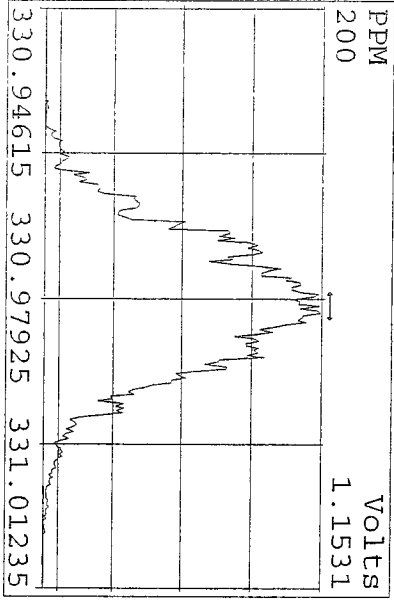
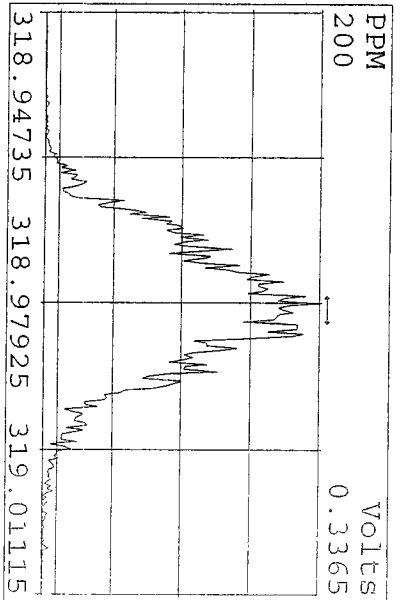
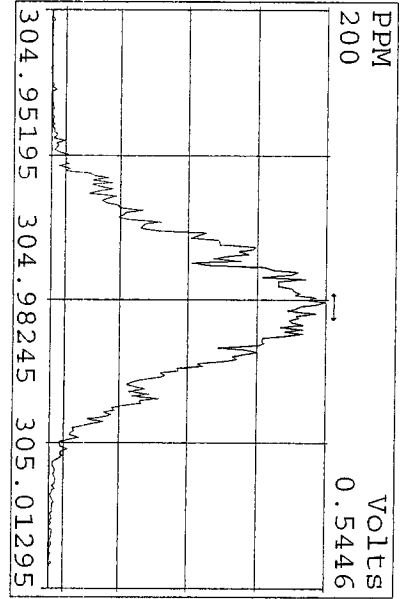
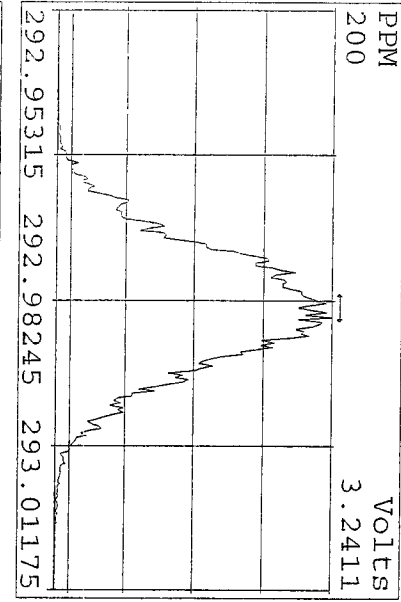
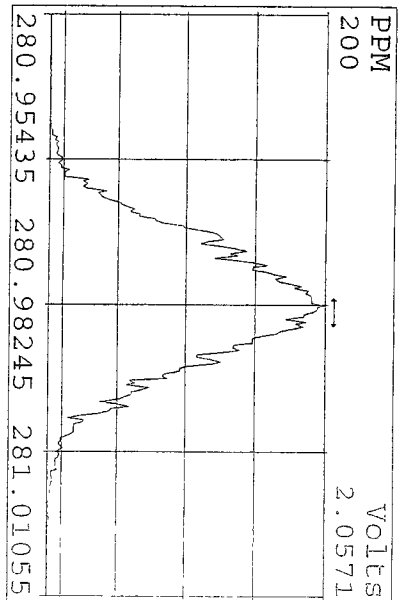
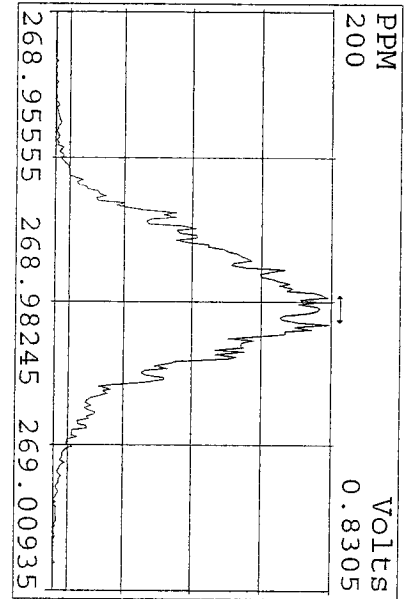
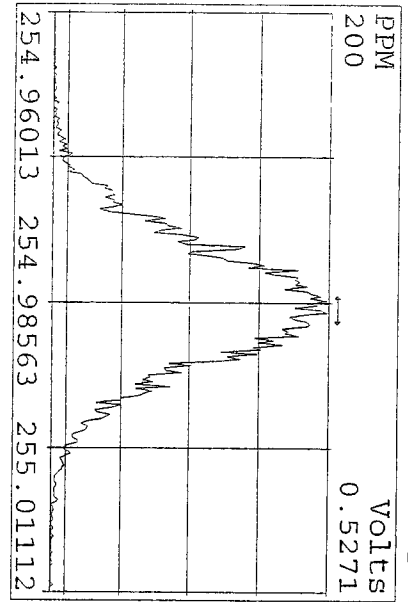
Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	275070000	0.65 y	26:49	-	100.00	n
13C-TCB-81	246610000	0.80 y	26:56	0.8965	100.00	n
TCB-81	1684135000	0.79 y	26:57	1.3658	500.00	n
13C-TCB-77	258265000	0.80 y	27:29	0.9389	100.00	n
TCB-77	1530272000	0.78 y	27:30	1.1850	500.00	n
13C-PeCB-123	275070000	0.65 y	26:49	1.0000	100.00	n
PeCB-123	1685501000	0.61 y	25:25	1.2255	500.00	n
13C-PeCB-118	220642600	0.66 y	28:53	0.8021	100.00	n
PeCB-118/106	1823315000	0.61 y	28:54	1.6527	500.00	n
13C-PeCB-114	213402400	0.66 y	29:01	0.7758	100.00	n
PeCB-114	1795936000	0.61 y	29:01	1.6831	500.00	n
13C-PeCB-105	229301100	0.67 y	29:39	0.8336	100.00	n
PeCB-105/127	2004461000	0.61 y	29:40	1.7483	500.00	n
13C-PeCB-126	220623900	0.65 y	32:25	0.8021	100.00	n
PeCB-126	1623908000	0.61 y	30:33	1.4721	500.00	n
13C-OcCB-202	238997000	0.87 y	34:44	-	100.00	n
13C-HxCB-167	253689000	1.26 y	33:32	1.0615	100.00	n
HxCB-167	2827930000	1.24 y	33:31	2.2294	500.00	n
13C-HxCB-156	202904700	1.27 y	34:50	0.8490	100.00	n
HxCB-156	1533504000	1.25 y	34:52	1.5116	500.00	n
13C-HxCB-157	209295100	1.26 y	35:10	0.8757	100.00	n
HxCB-157	1579345000	1.26 y	35:11	1.5092	500.00	n
13C-HxCB-169	217549000	1.28 y	36:59	0.9103	100.00	n
HxCB-169	1096487000	1.26 y	37:00	1.0080	500.00	n
13C-HpCB-180	174359100	1.07 y	35:48	0.7295	100.00	n
HpCB-180	1131363000	1.09 y	35:49	1.2977	500.00	n
13C-HpCB-170	146145800	1.07 y	37:28	0.6115	100.00	n
HpCB-170/190	1175838000	1.07 y	37:29	1.6091	500.00	n
13C-HpCB-189	177568900	1.06 y	39:04	0.7430	100.00	n
HpCB-189	1097805000	1.09 y	39:05	1.2365	500.00	n
13C-DeCB-209	148127600	0.72 y	44:03	0.6198	100.00	n
DECB-209	1082590000	0.70 y	44:04	1.4617	500.00	n
13C-PeCB-111	229301100	0.67 y	29:39	0.9774	100.00	n

data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
09JL09E9D5	1	ST0709	CS3 09DXN207				1.00000	
09JL09E9D5	2	ST0709A	CS3 09DXN207				1.00000	
09JL09E9D5	3	ST0709B	CS1 09DXN205				1.00000	
09JL09E9D5	4	ST0709C	CS2 09DXN206				1.00000	
09JL09E9D5	5	ST0709D	CS4 09DXN208				1.00000	
09JL09E9D5	6	ST0709E	CS5 09DXN209				1.00000	
09JL09E9D5	7	SB0709	Solvent Blank C-12				1.00000	
09JL09E9D5	8	ST0709F	209PCB 09DXN196				1.00000	
09JL09E9D5	9	QCIS070909	IS QC 09DXN226	20	1668	QC50	1.00000	
09JL09E9D5	10	ST0709G	CS3 09DXN207				1.00000	
09JL09E9D5	11	SB0709A	Solvent Blank C-12				1.00000	
09JL09E9D5	12	LF6TW-1-AA	G9G080000-296B	20	1668/WATER	85	1.00000	L
09JL09E9D5	13	LF6TW-1-AC	G9G080000-296C	20	1668/WATER		1.00000	L
09JL09E9D5	14	LDR0G-2-AA	G9E270192-1RX	20	1668/WATER		0.99610	L
09JL09E9D5	15	LDR0M-2-AA	G9E270192-2RX	20	1668/WATER		1.00090	L
09JL09E9D5	16	LFL5D-1-AC	G9F250260-1	20	1668/SOLID	84	10.06500	g
09JL09E9D5	17						1.00000	
09JL09E9D5	18						1.00000	
09JL09E9D5	19						1.00000	
09JL09E9D5	20						1.00000	
09JL09E9D5	21						1.00000	
09JL09E9D5	22						1.00000	
09JL09E9D5	23		AM 07-09-09				1.00000	
09JL09E9D5	24						1.00000	

Peak Locate Examination: 9-JUL-2009:19:11 File:09JL09E9D5  
 Experiment:209DB5 Function:1 Reference:PFK

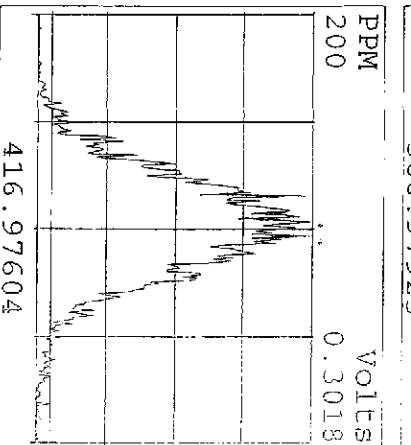
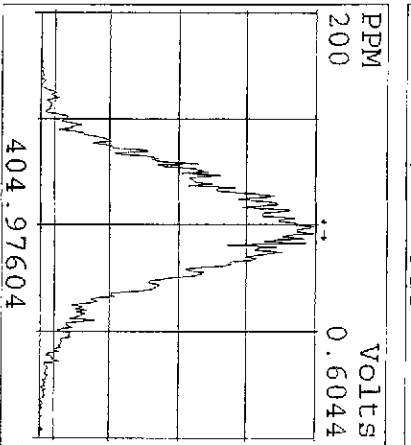
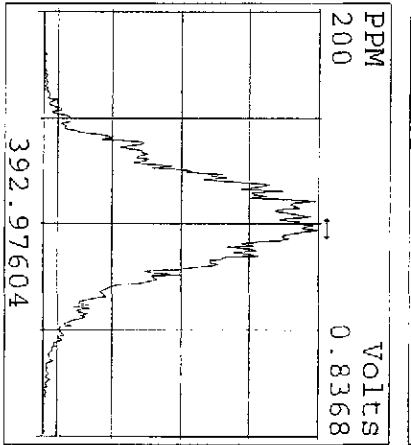
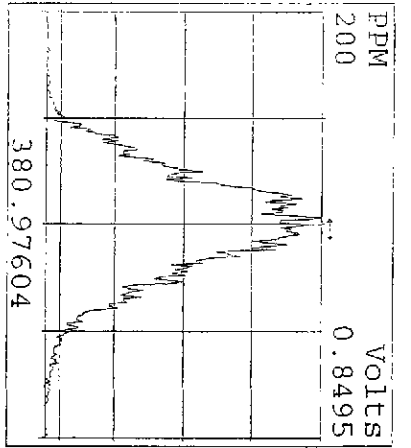
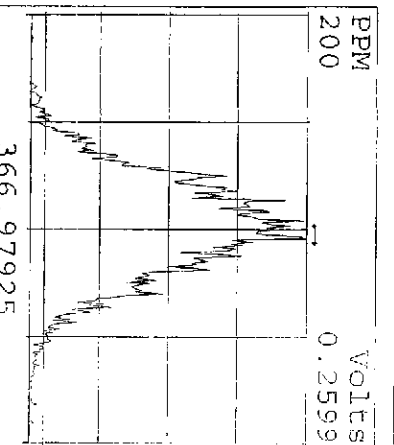
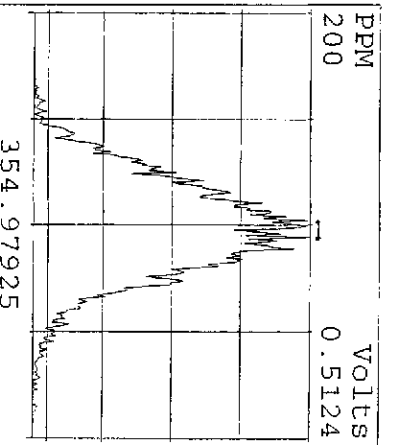
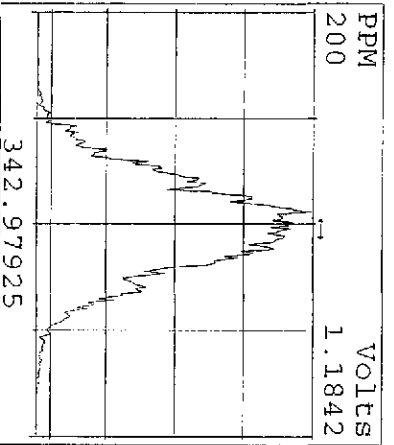
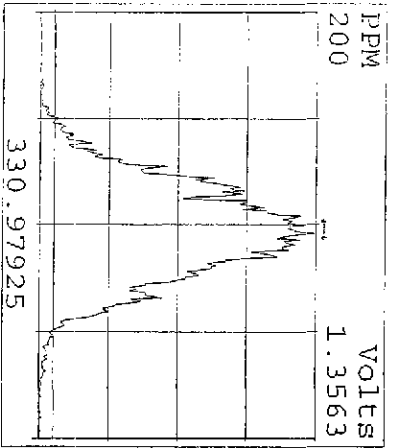
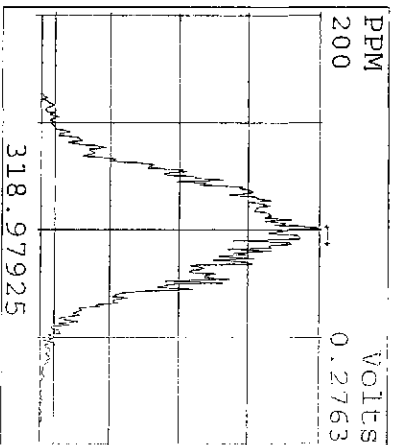
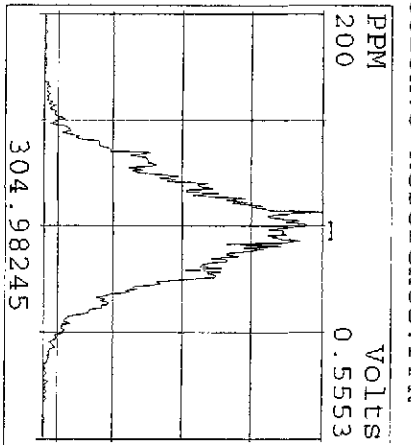
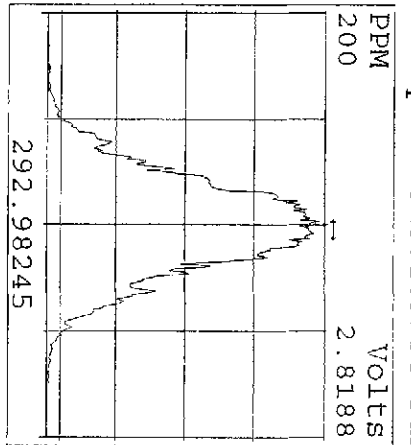
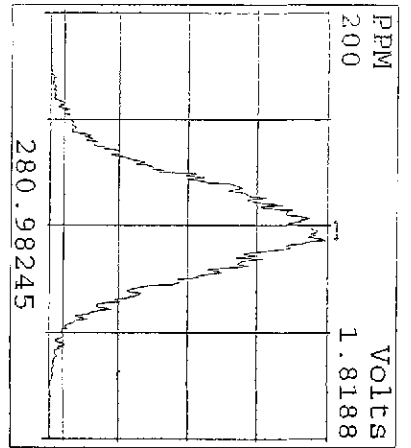


Peak Locate Examination: 9-JUL-2009:19:18 File:09JL09E9D5  
 Experiment:209DB5 Function:2 Reference:PFK

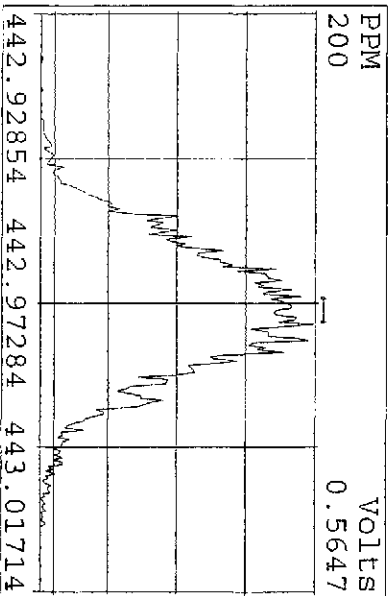
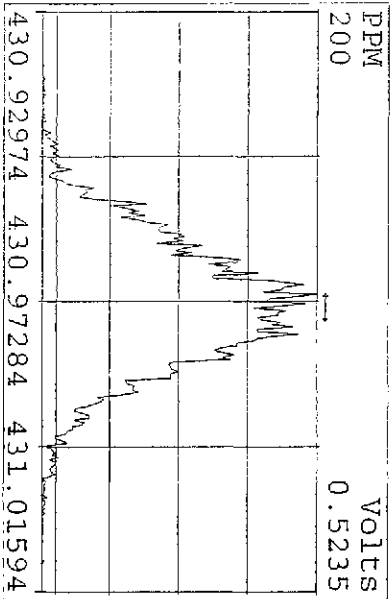
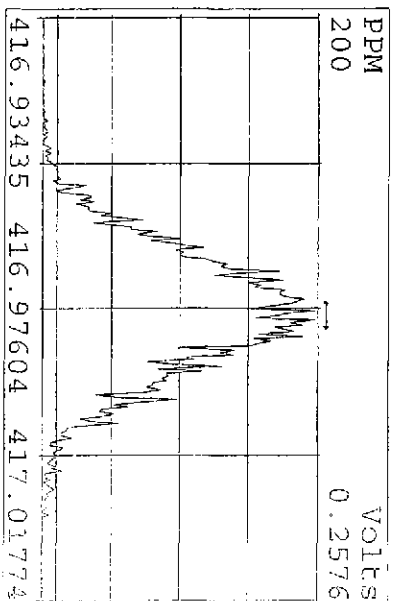
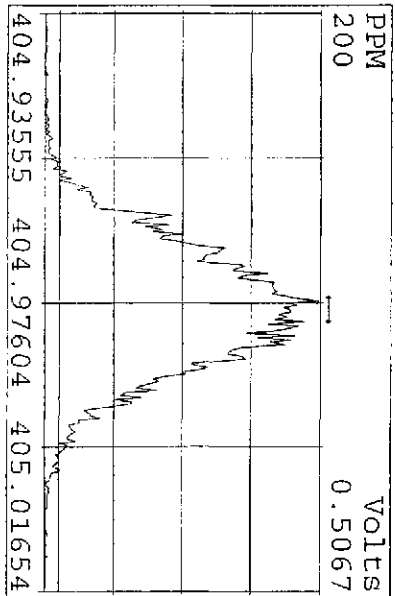
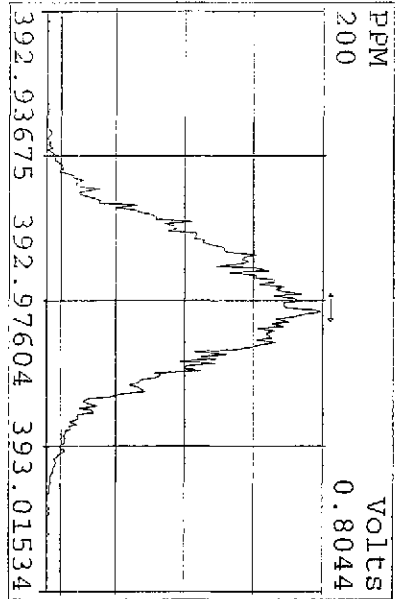
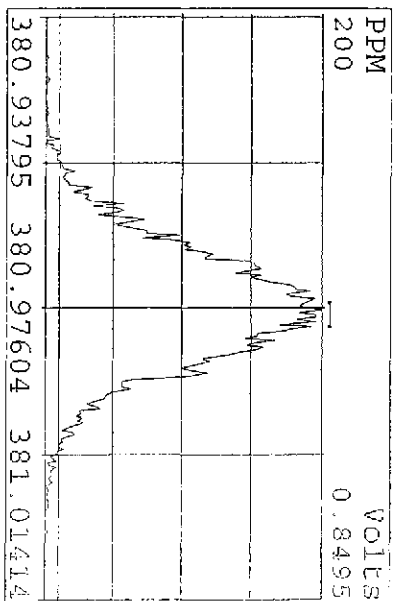
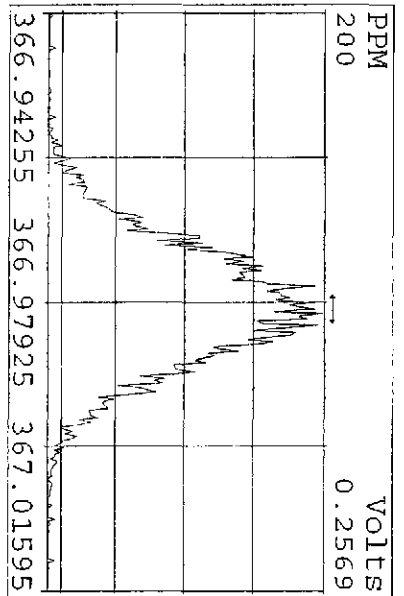
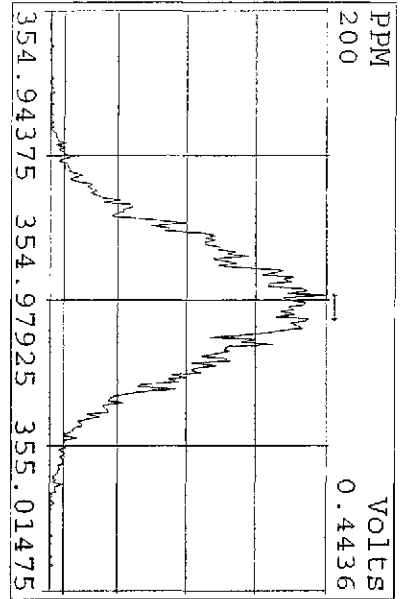




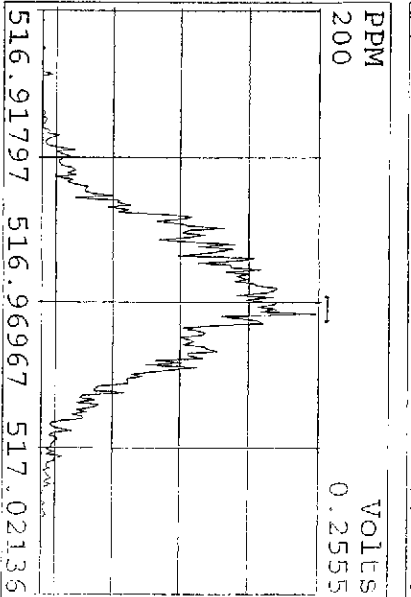
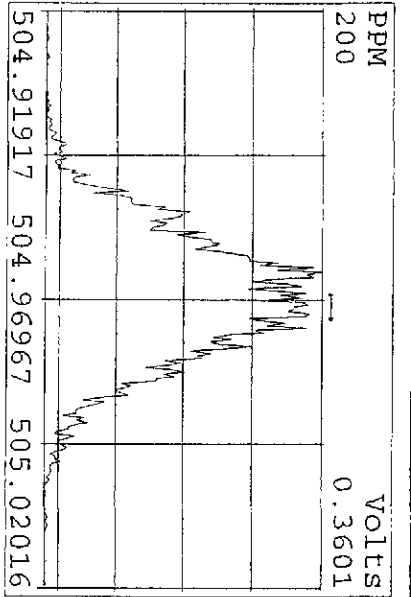
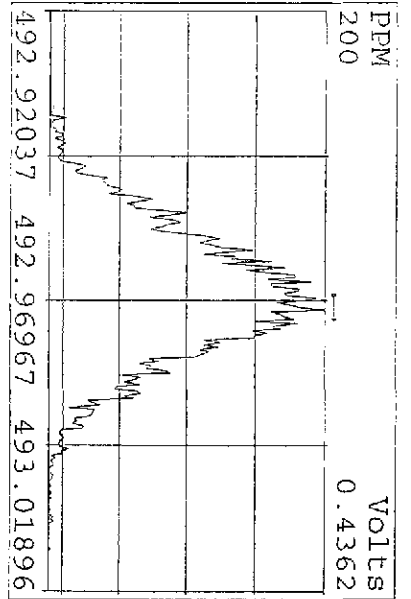
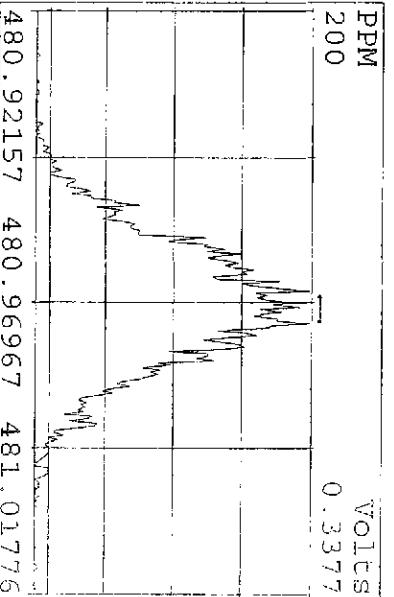
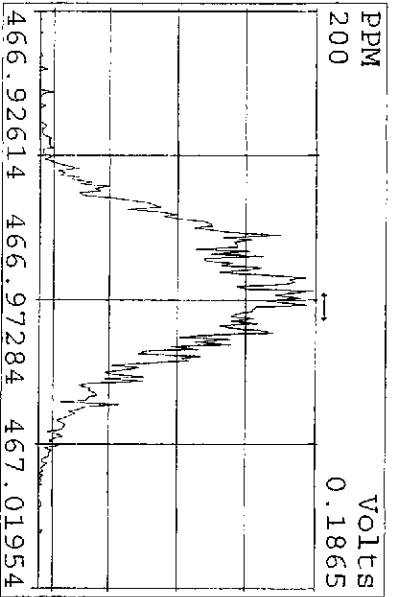
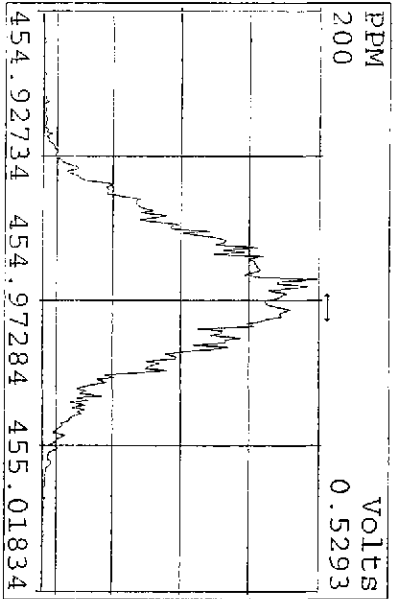
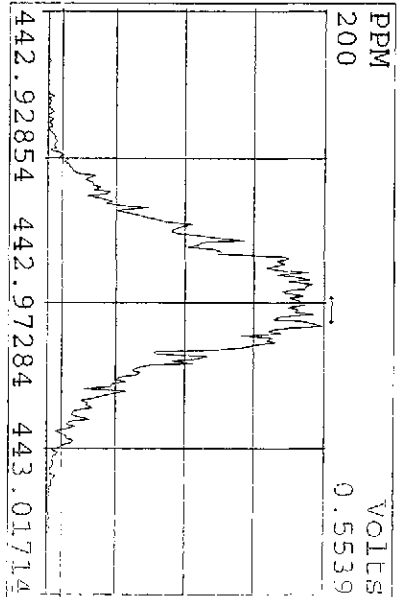
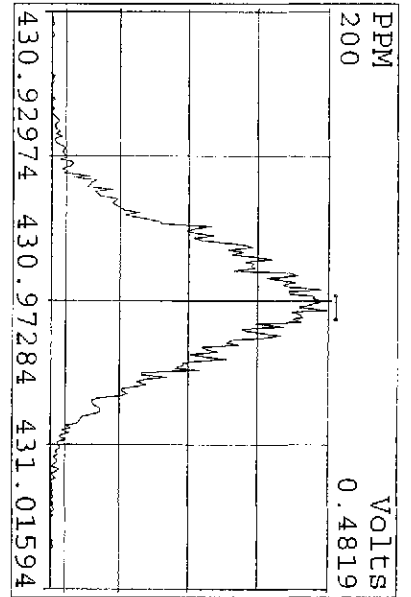
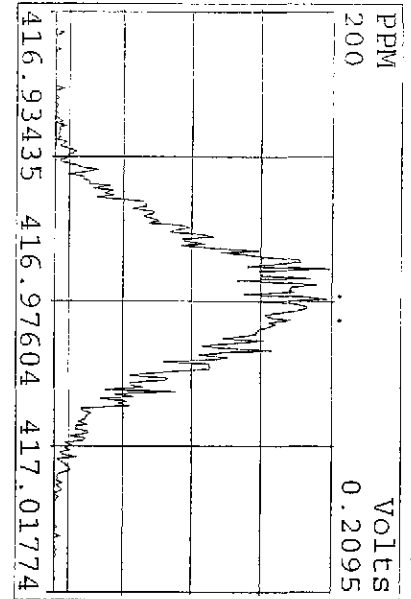
Peak Locate Examination: 9-JUL-2009:19:20 File:09JL09E9D5  
Experiment:209DB5 Function:3 Reference:PK



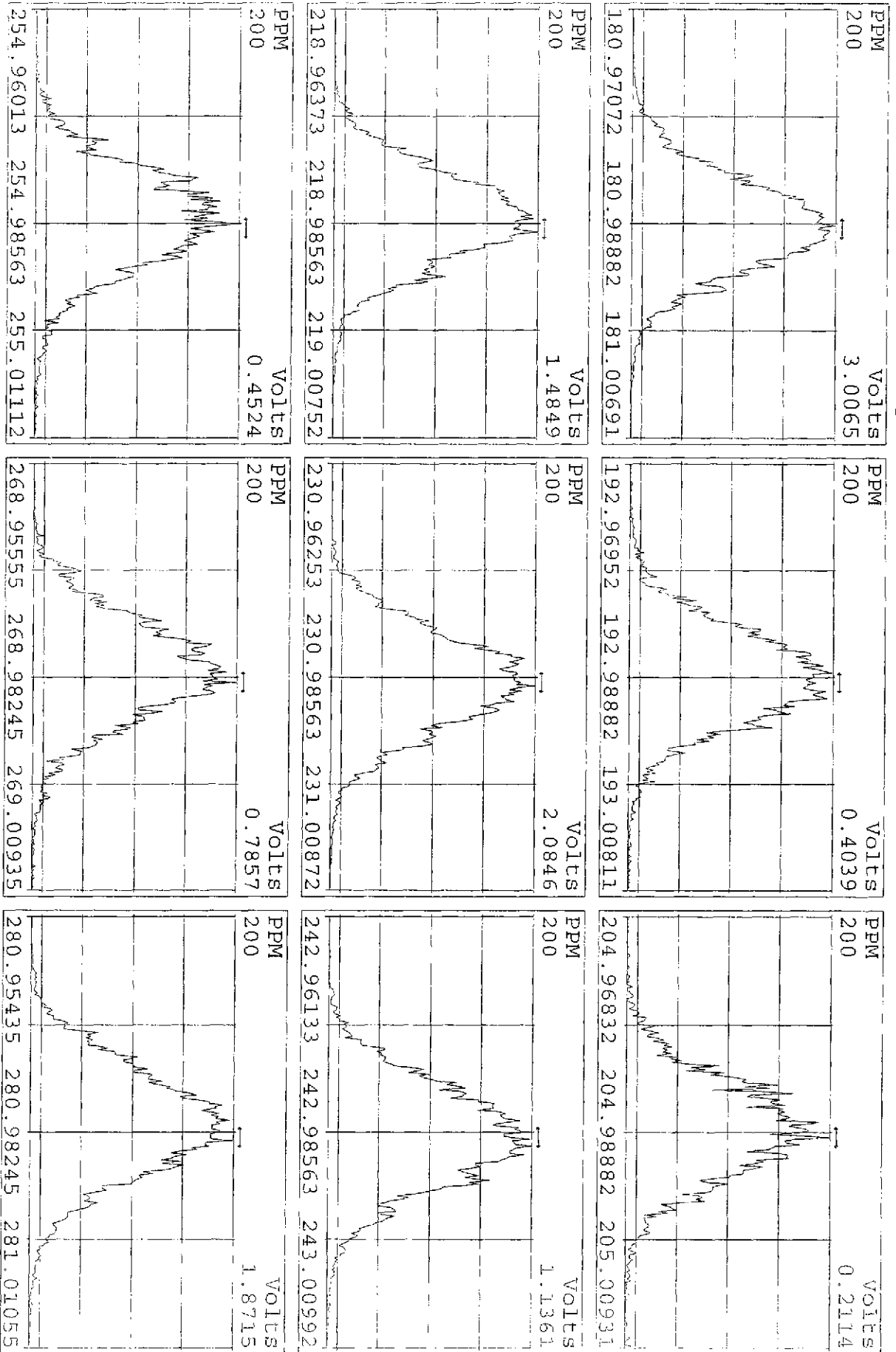
Peak Locate Examination: 9-JUL-2009:19:25 File:09JL09E9D5  
 Experiment:209DB5 Function:4 Reference:PK



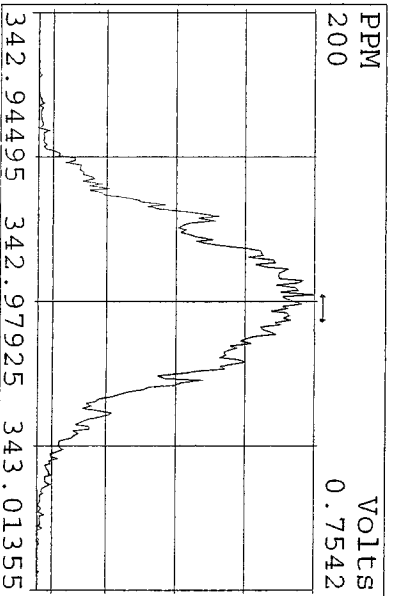
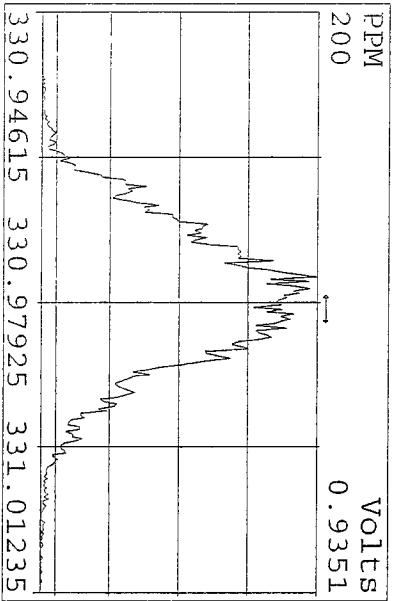
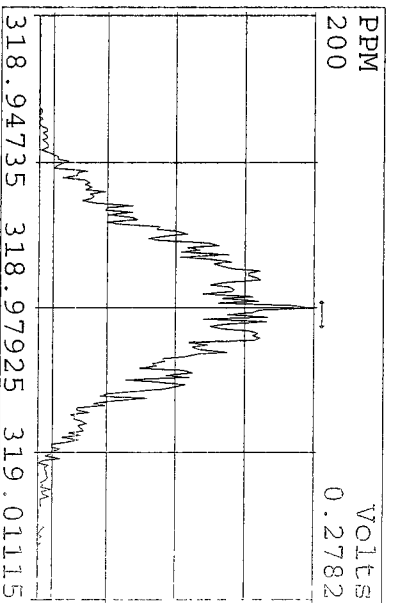
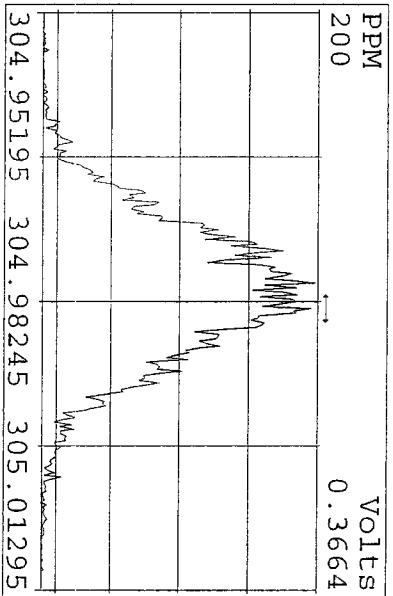
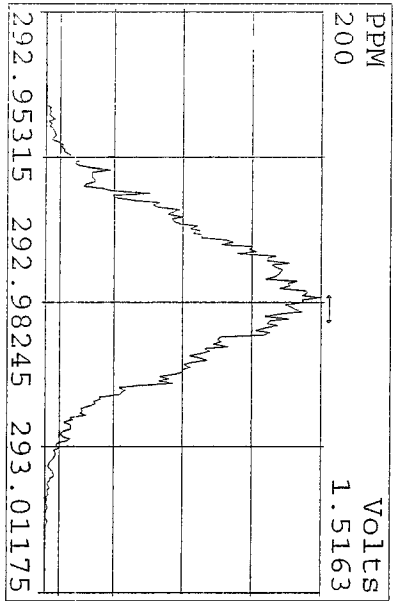
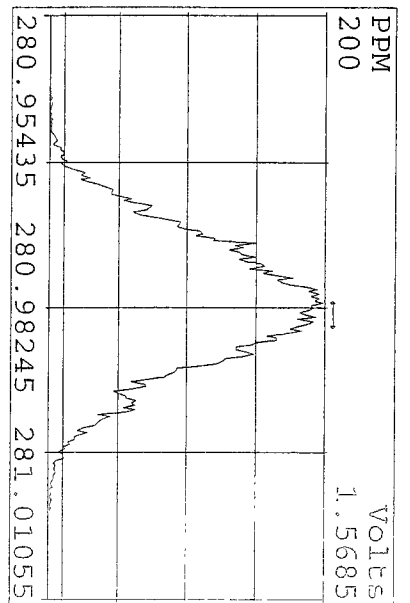
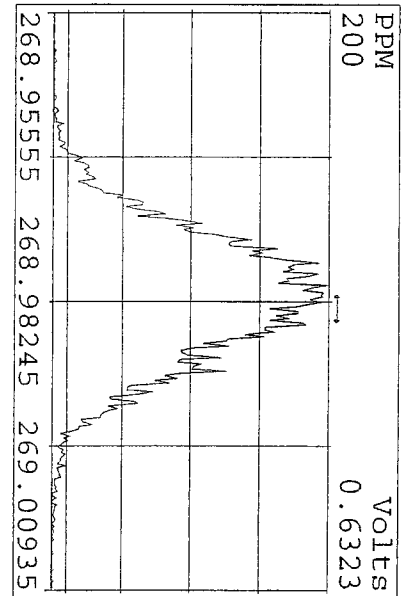
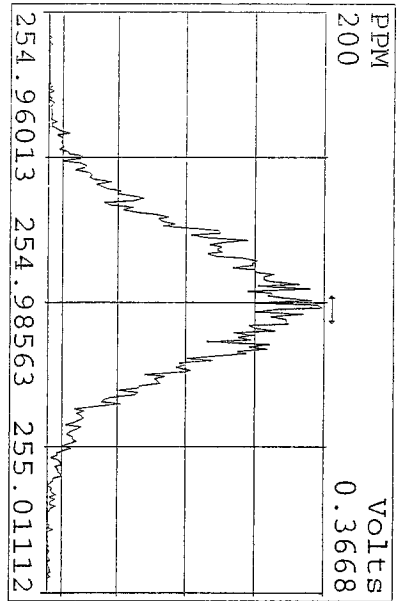
Peak Locate Examination: 9-JUL-2009:19:27 File:09JL09E9D5  
 Experiment:209DB5 Function:5 Reference:PRK



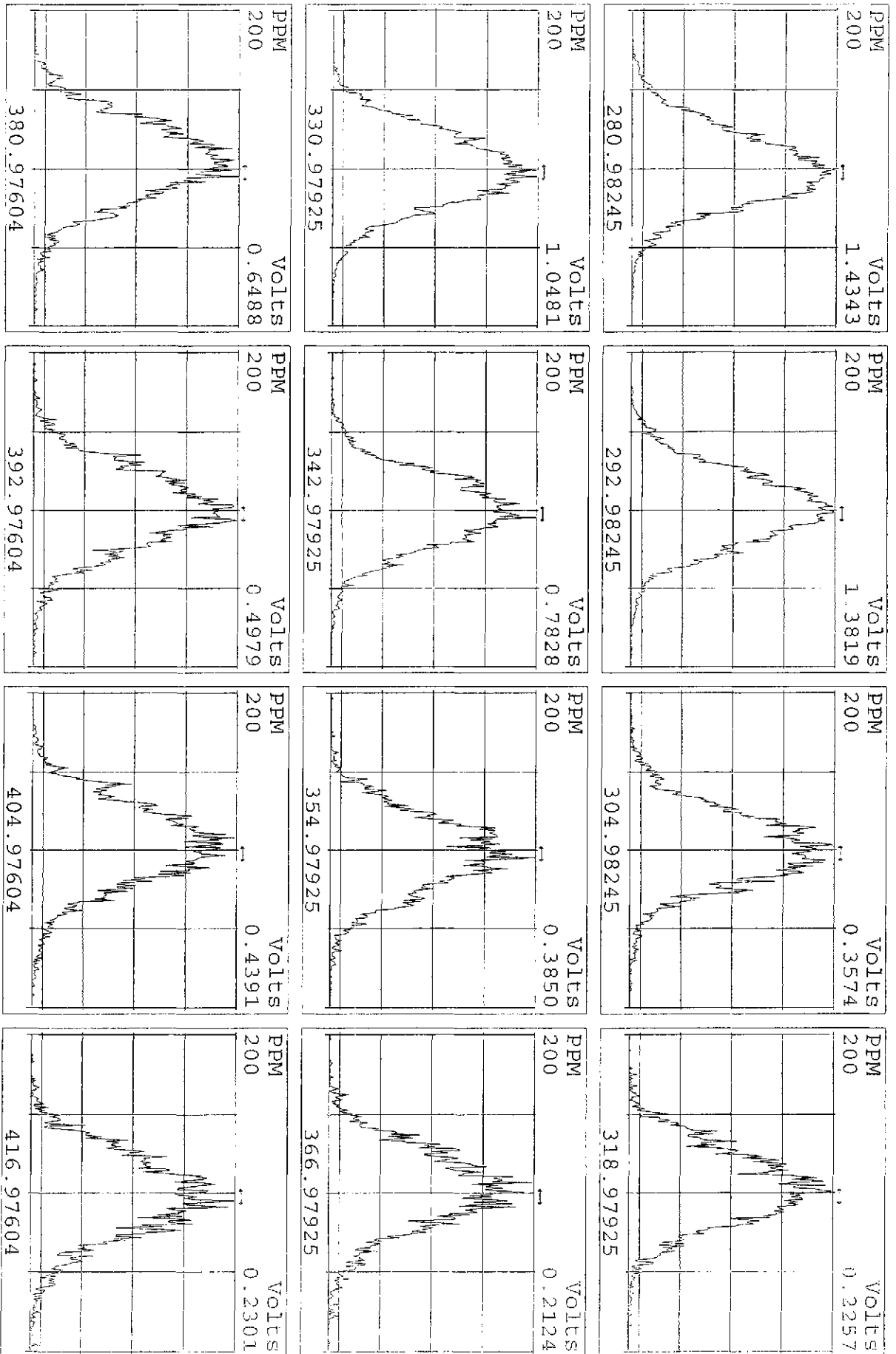
Peak Locate Examination: 10-JUL-2009:12:18 File: 09JI09E9D5ENDRES  
 Experiment: 209DB5 Function: 1 Reference: PFK



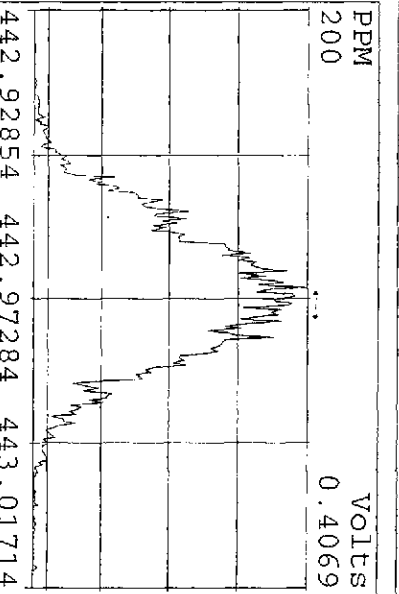
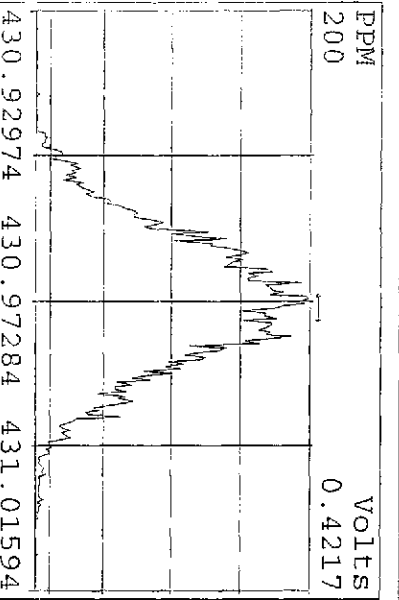
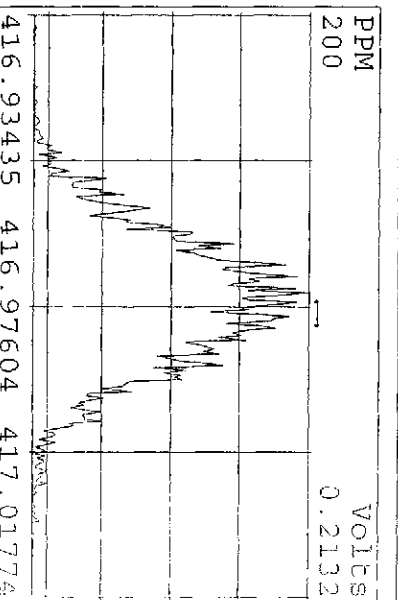
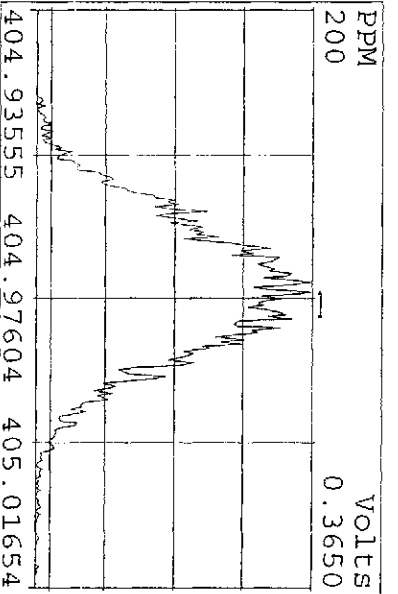
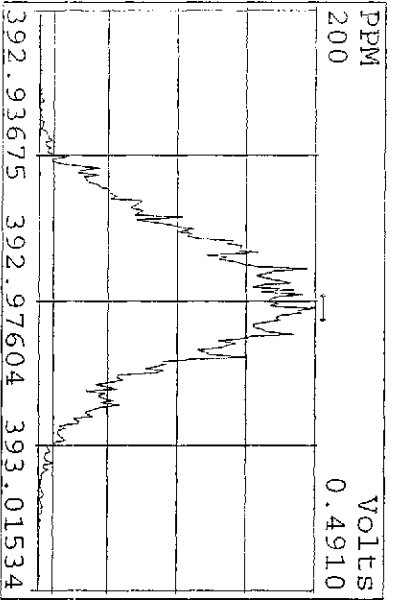
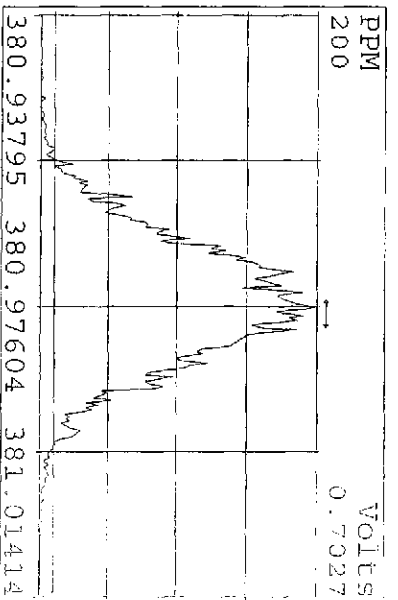
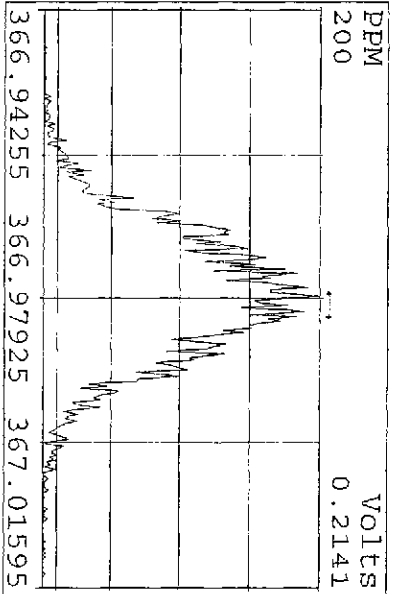
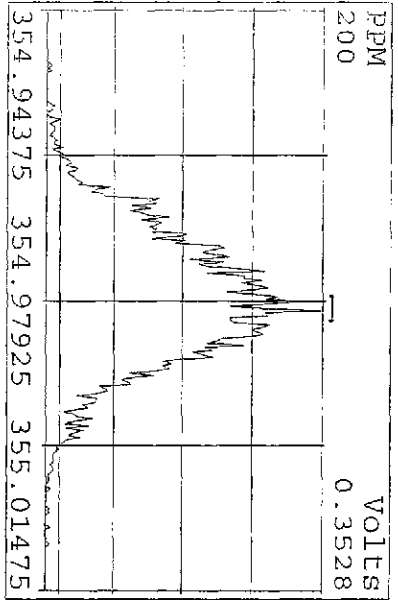
Peak Locate Examination:10-JUL-2009:12:18 File:09JL09E9D5ENDRES  
 Experiment:209DB5 Function:2 Reference:PFK



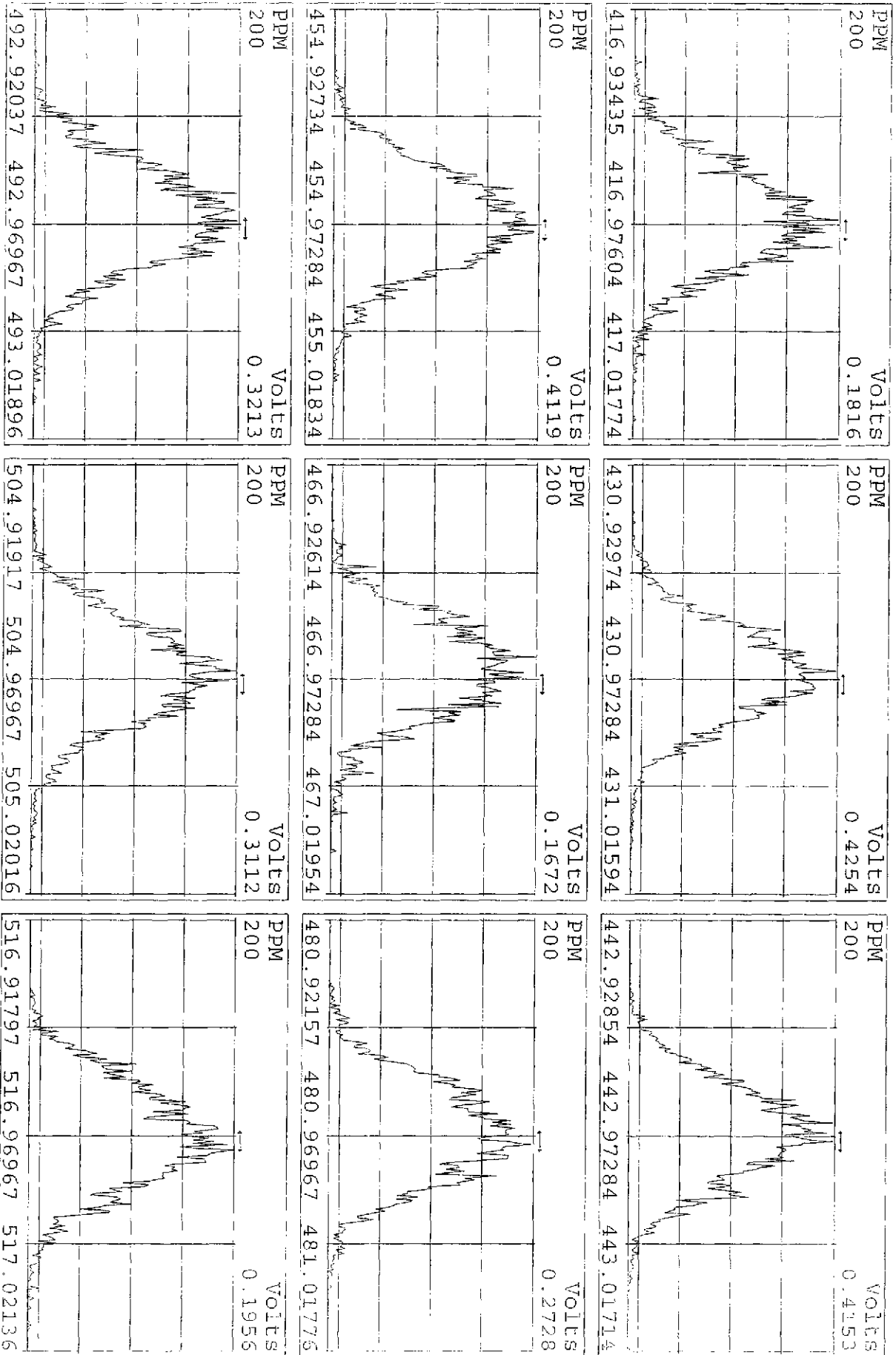
Peak Locate Examination: 10-JUL-2009: 12:18 File: 09JL09E9D5ENDRES  
Experiment: 209DB5 Function: 3 Reference: PFK



Peak Locate Examination: 10-JUL-2009:12:18 File:09JL09E9D5ENDRES  
 Experiment:209DB5 Function:4 Reference:PFK

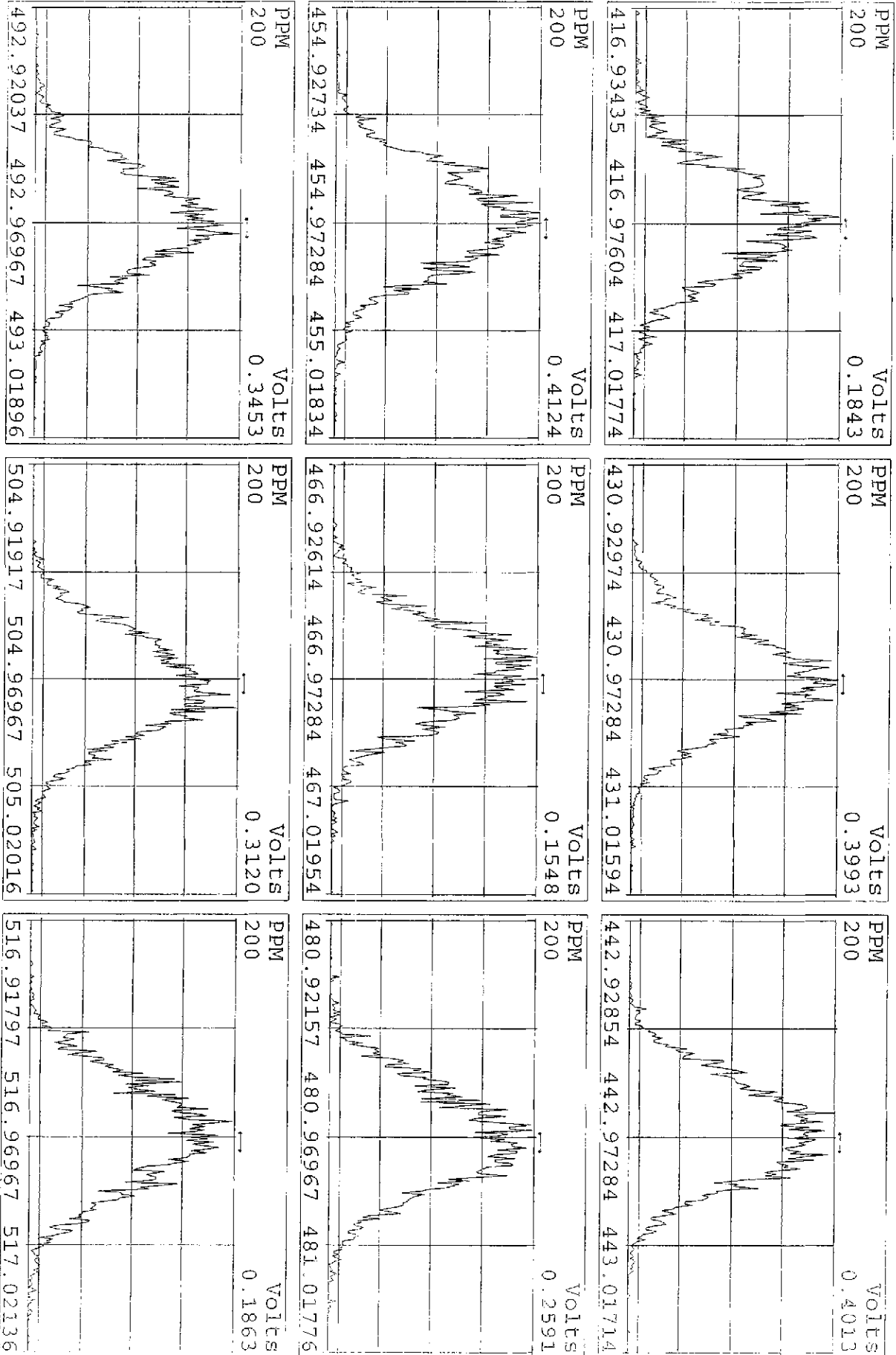


Peak Locate Examination: 10-JUL-2009: 12:19 File: 09JL09E9D5ENDRES  
 Experiment: 209DB5 Function: 5 Reference: PFK

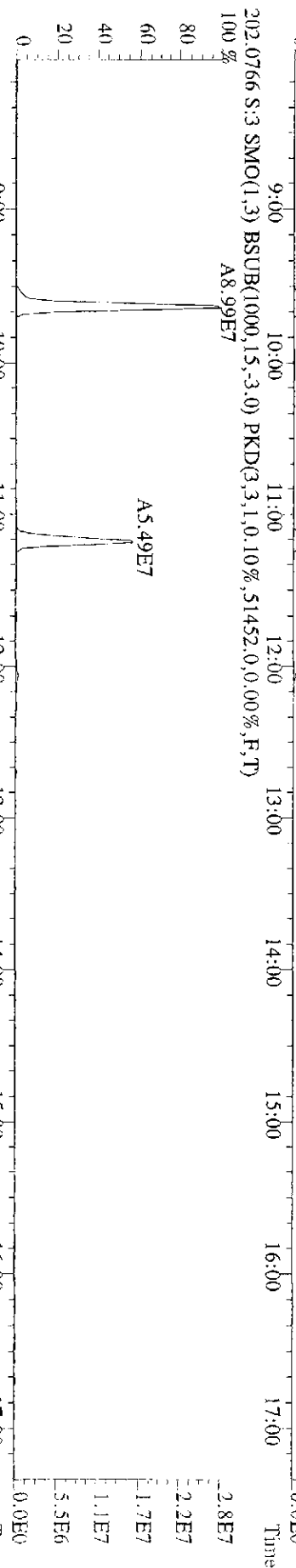
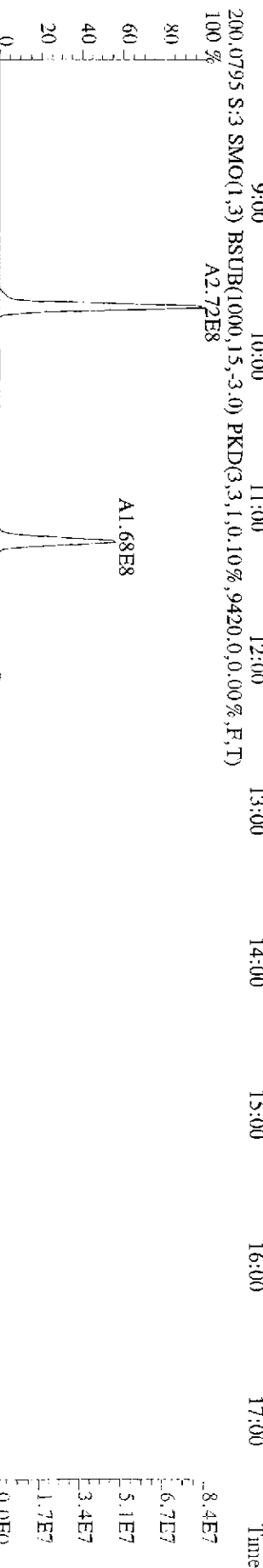
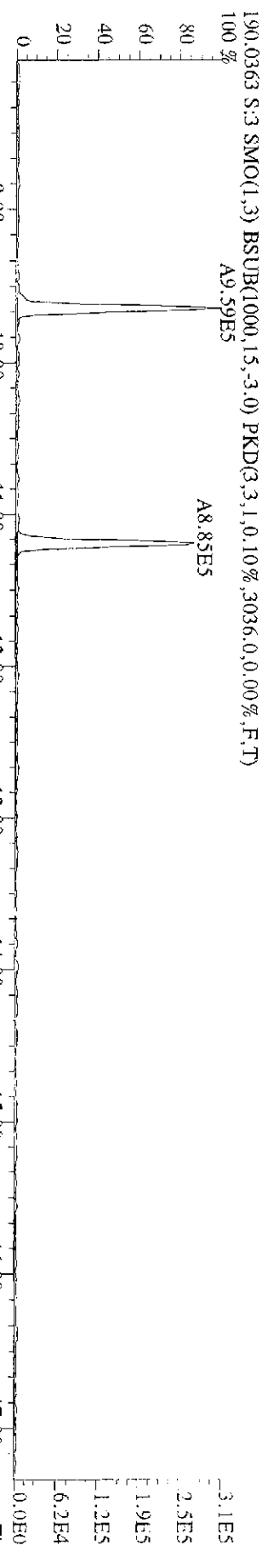
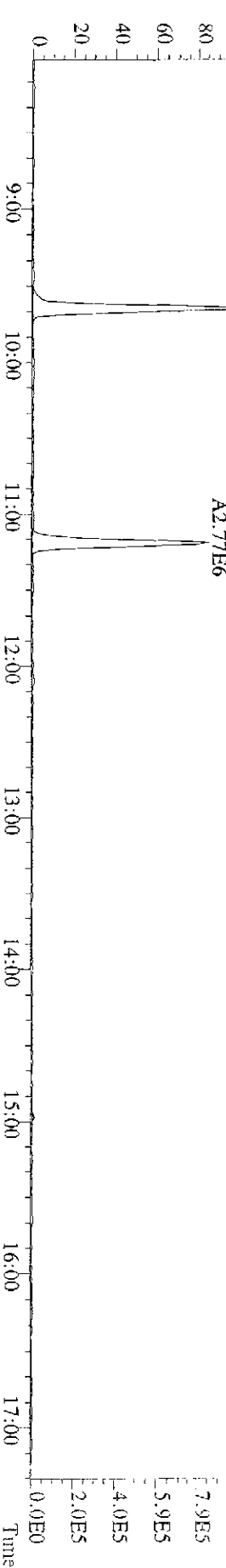




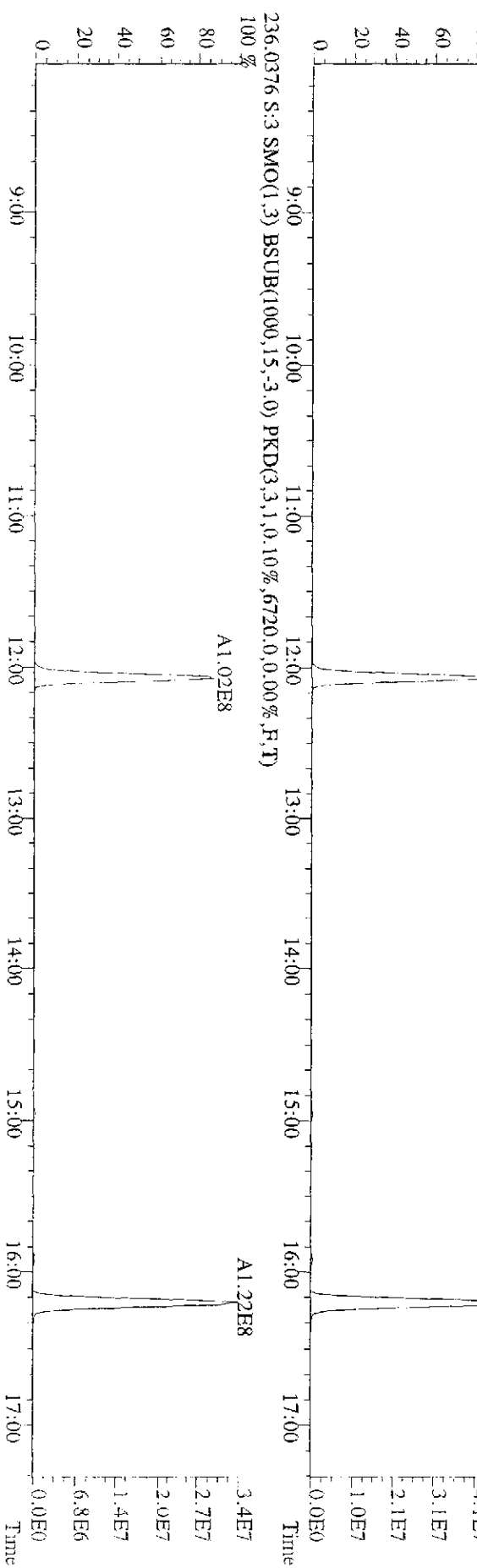
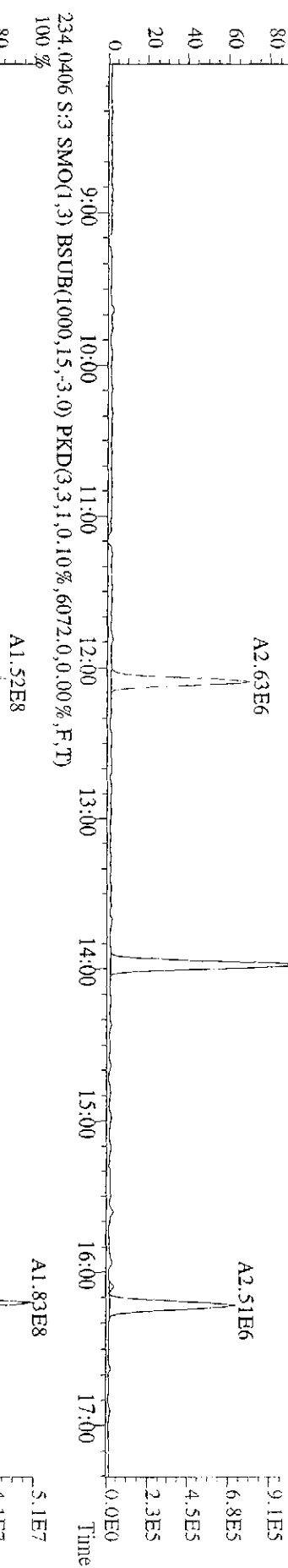
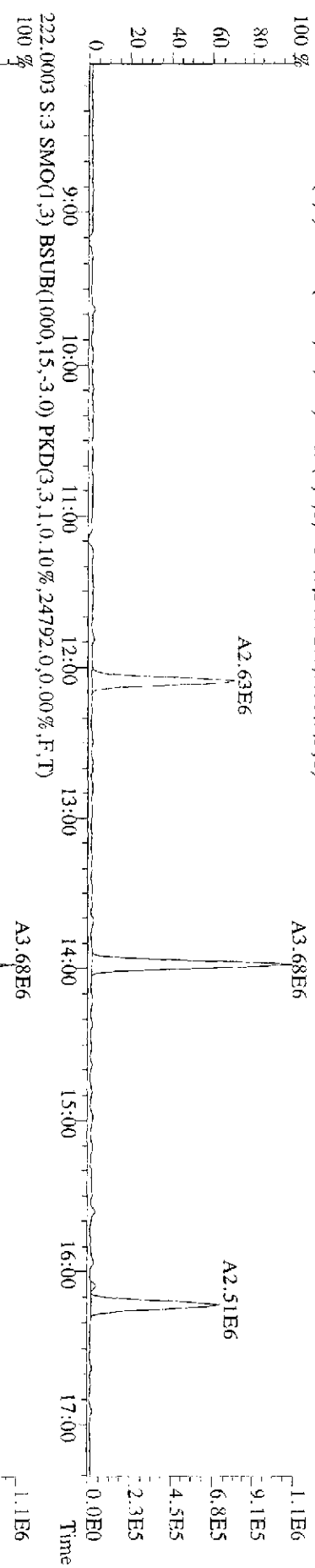
Peak Locate Examination:10-JUL-2009:12:19 File:09JL09E9D5ENDRES  
 Experiment:209DB5 Function:5 Reference:PFK



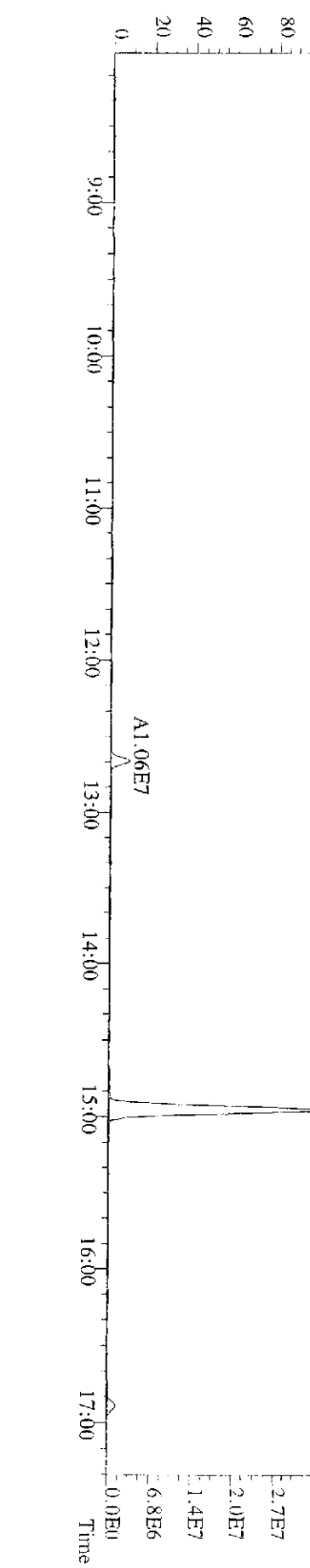
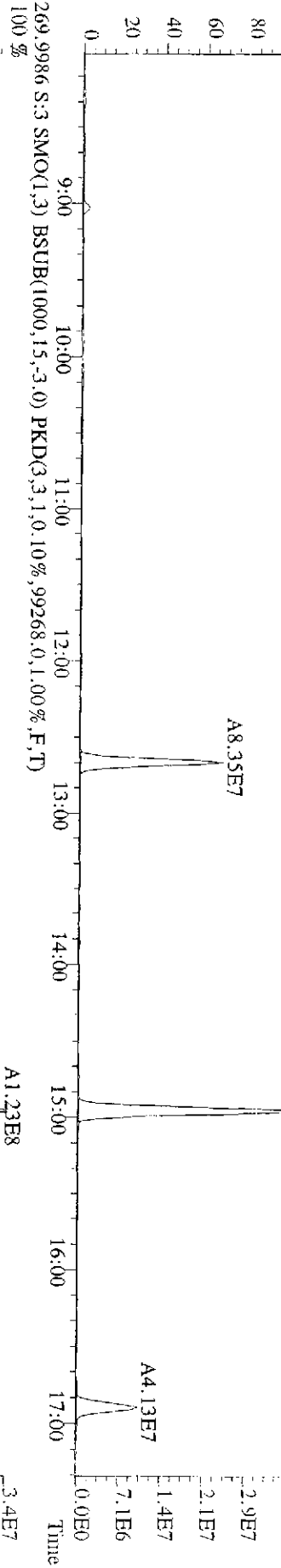
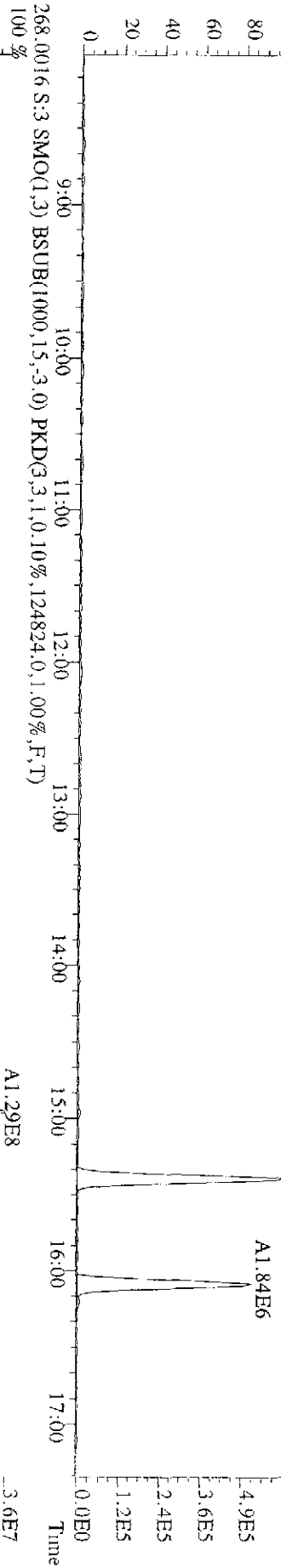
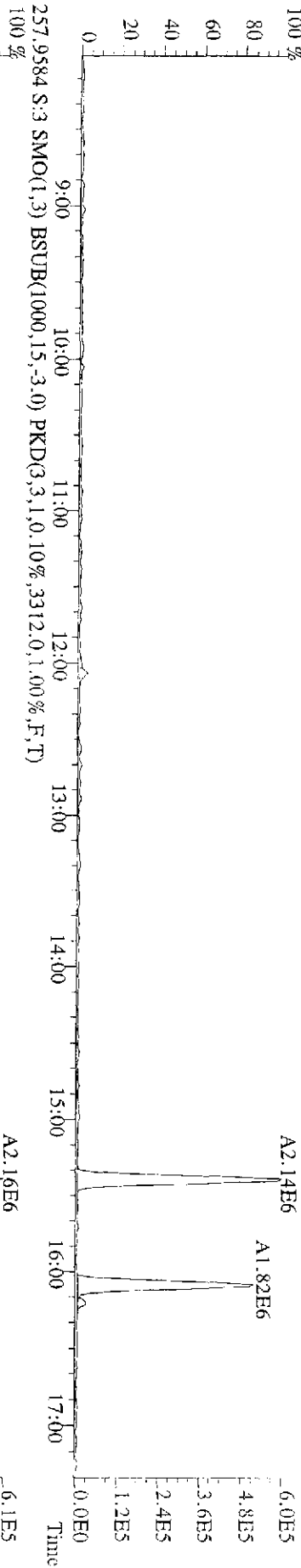
File:09JUL09E9D5 #1-633 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 188.0393 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4724,0,0,00%,F,T)  
 100% A3.15E6



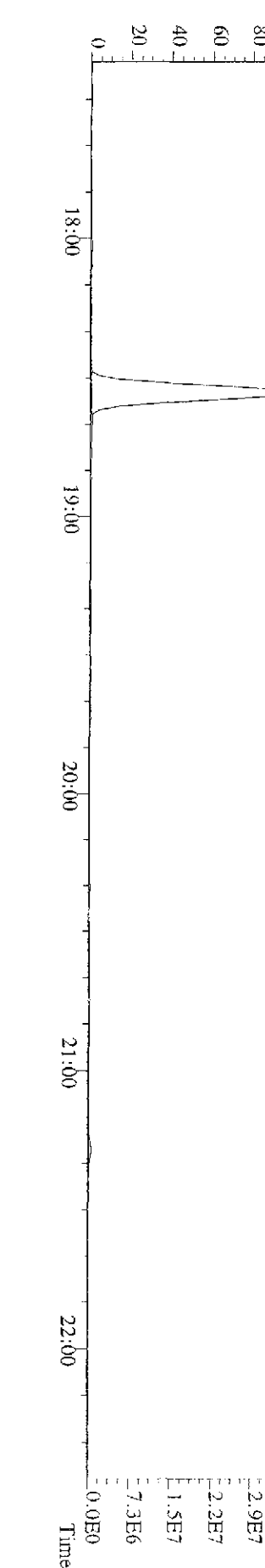
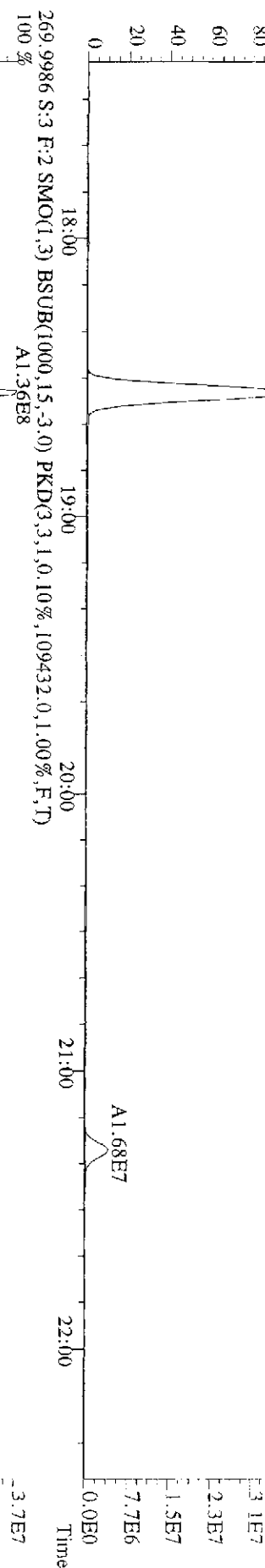
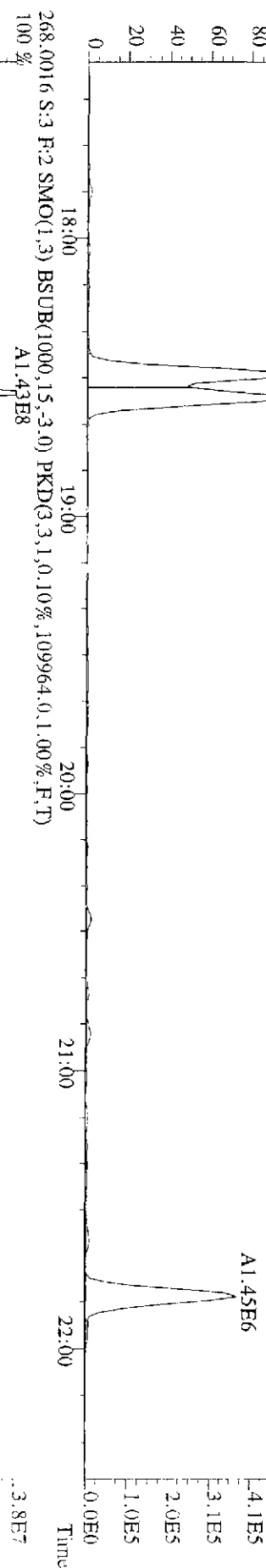
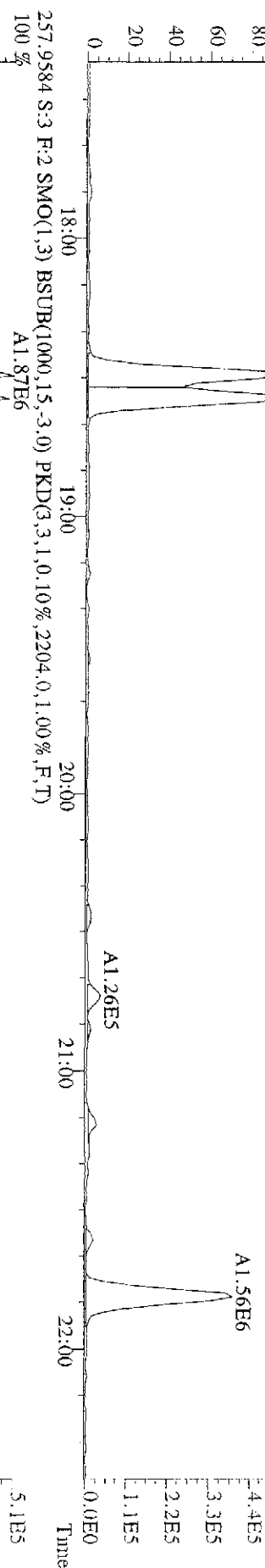
File:09JUL09E9D5 #1-633 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 222.0003 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,24792,0,0.00%,F,T)



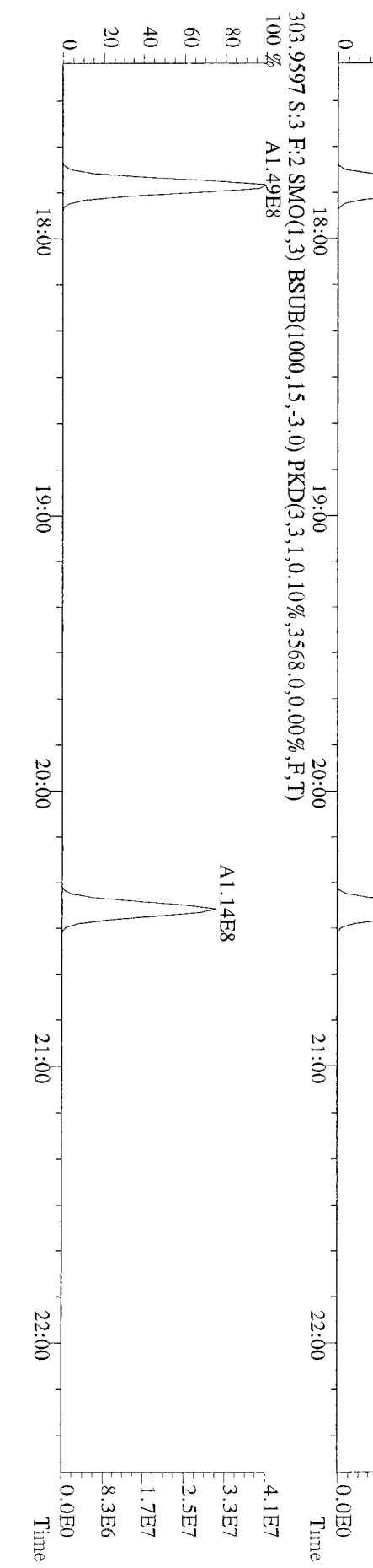
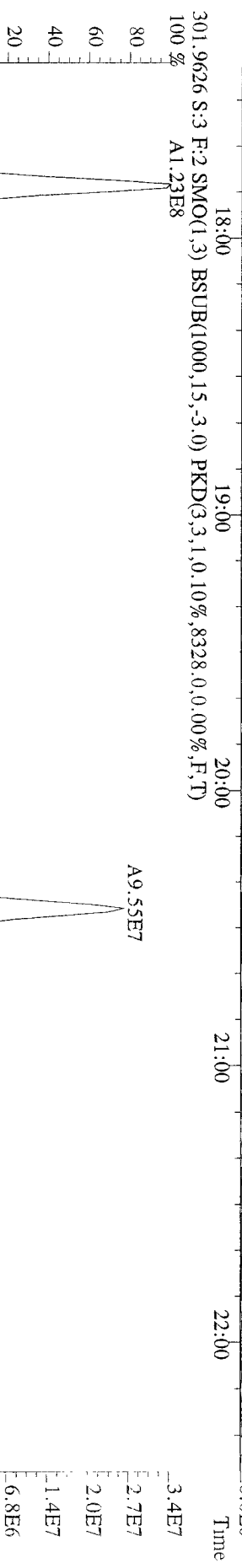
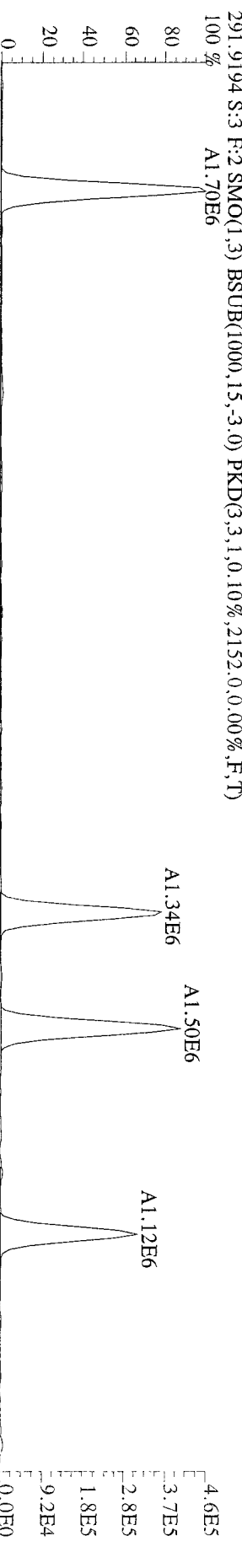
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0709B :CSI 09DDXN205 Exp:209DB5  
 255.9613 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6236,0,1,00%,F,T)



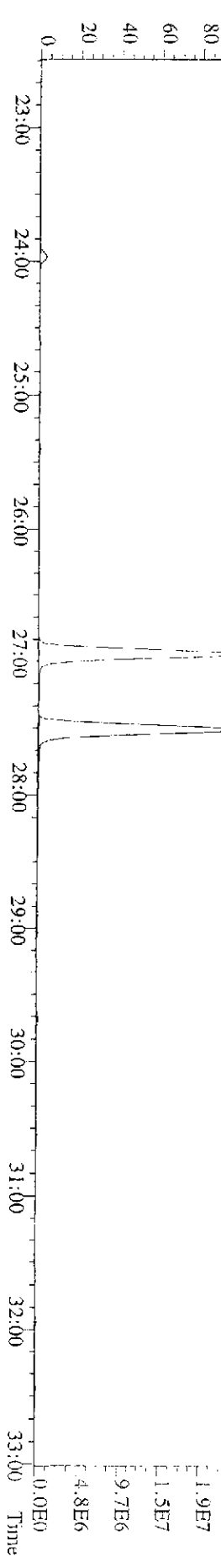
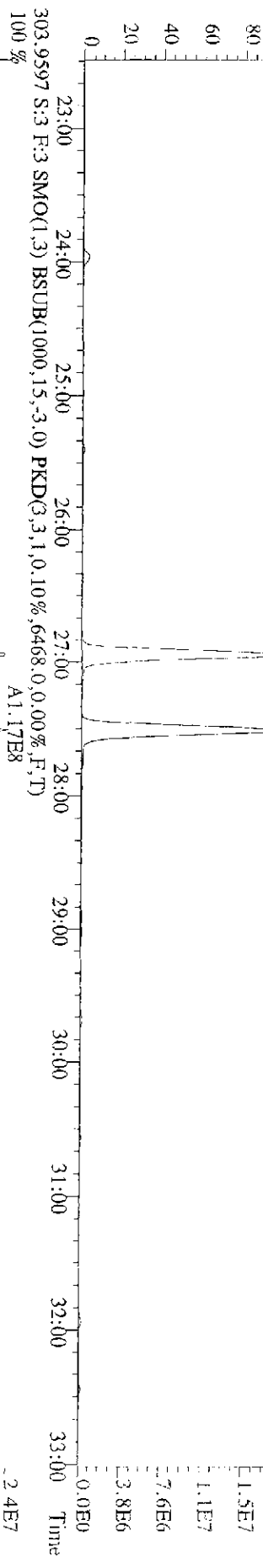
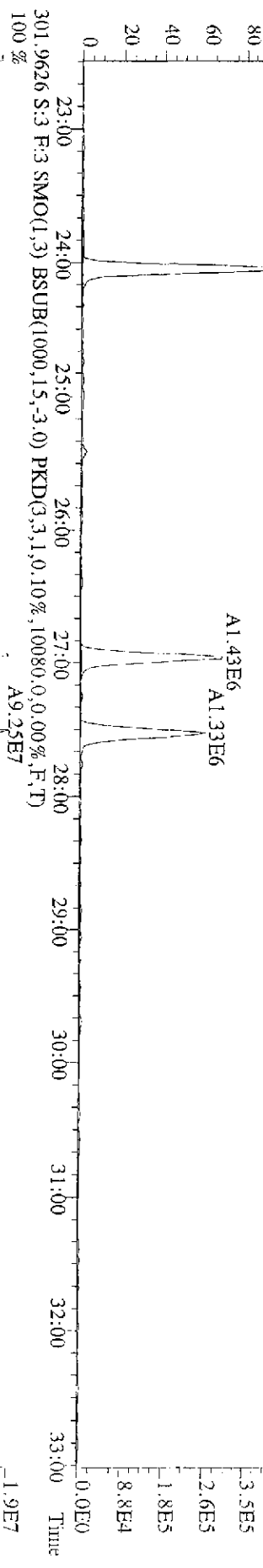
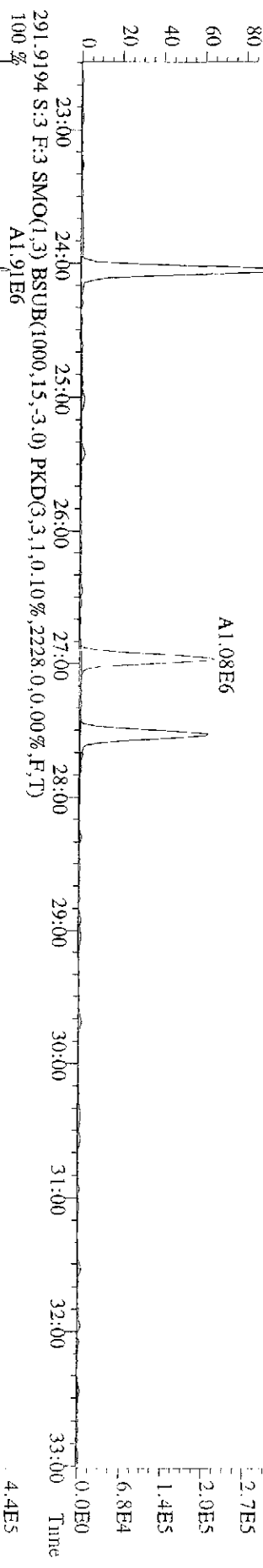
File:09JL09E9D5 #1-372 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage S1R Autospec-UltimaE  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 255.9613 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2204,0,1,00%,F,T)  
 100% A1.97E6



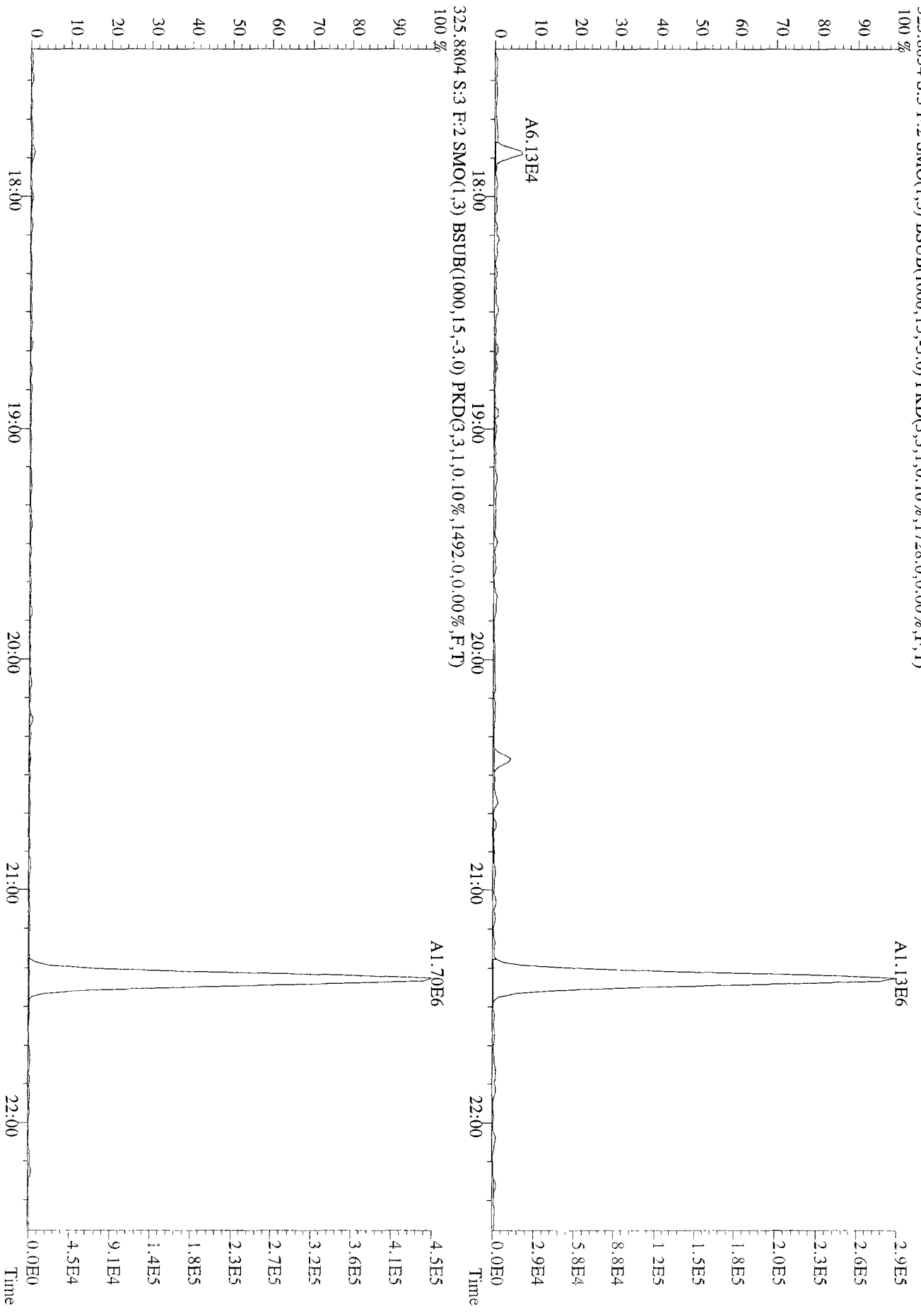
File:09JUL09E9D5 #1-372 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 289.9224 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1572.0,0.00%,F,T)  
 100% A1.24E6



File:091L09E9D5 #1-593 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1508.0,0.00%,F,T)  
 100% A1.54E6

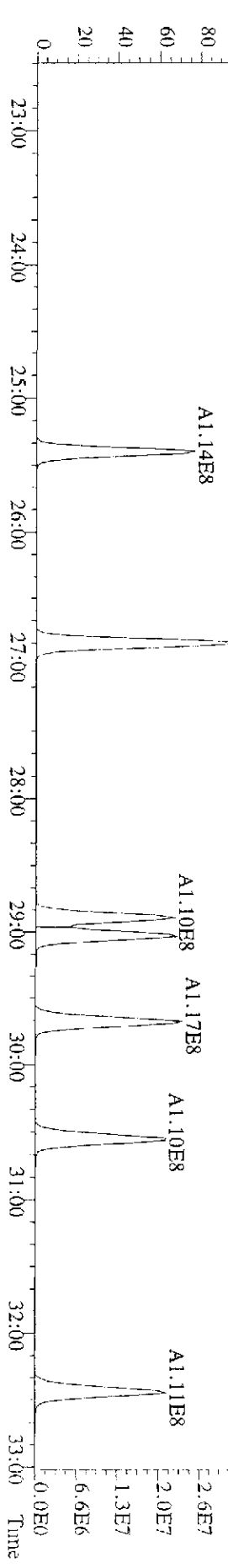
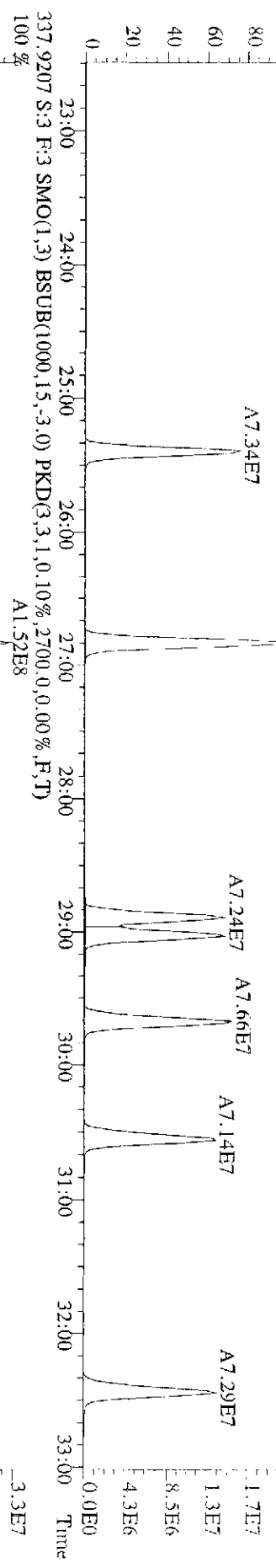
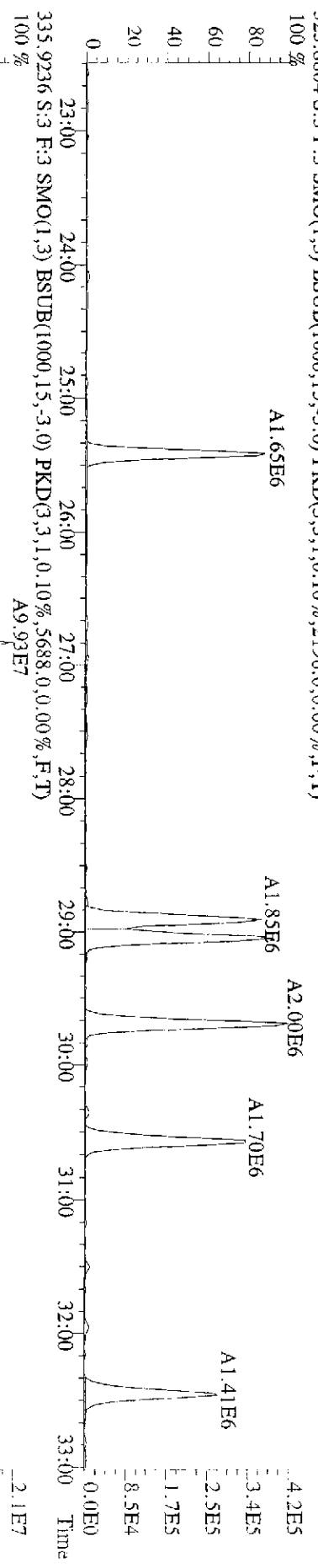
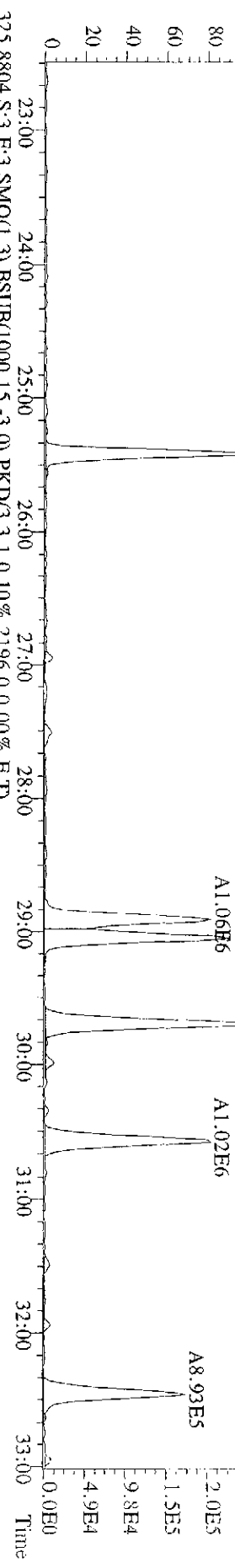


File:091L09E9D5 #1-372 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 323.8834 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1728.0,0.00%,F,T)

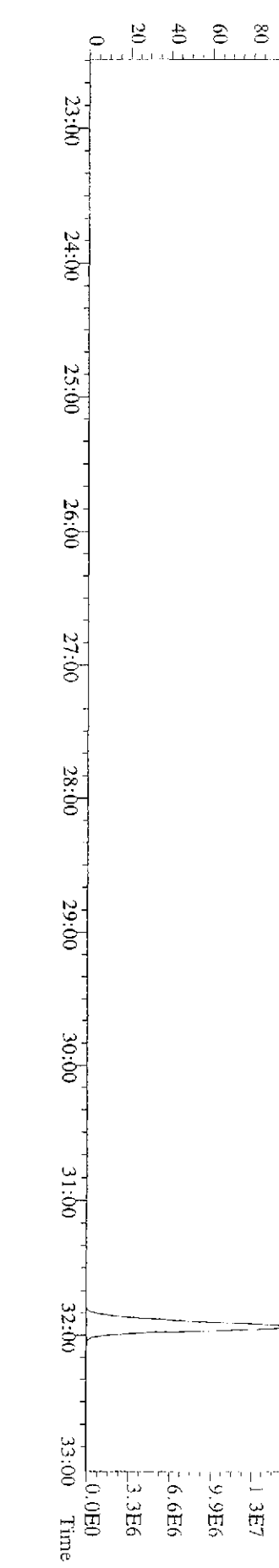
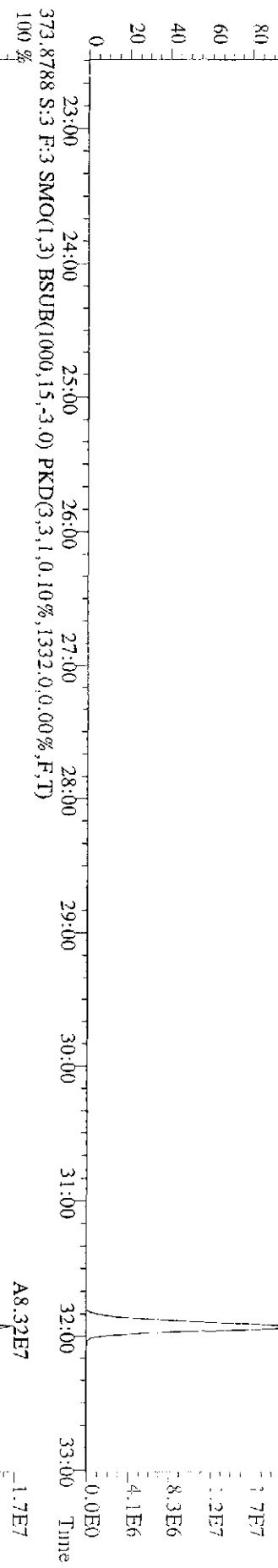
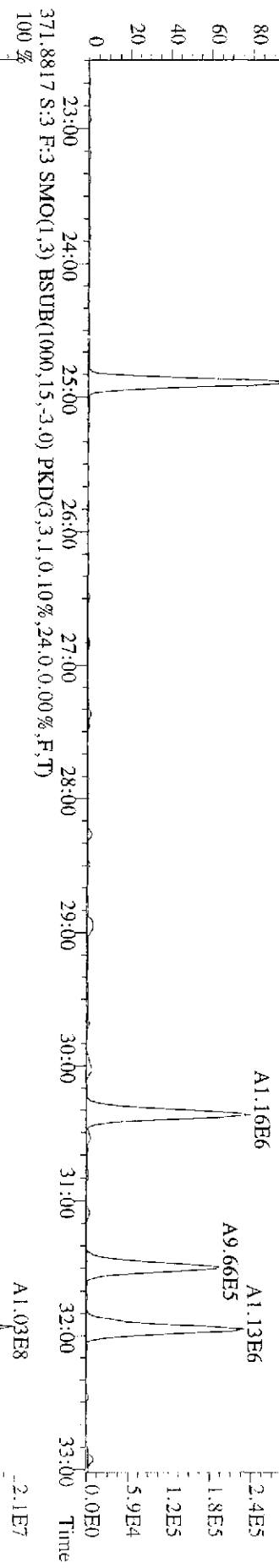
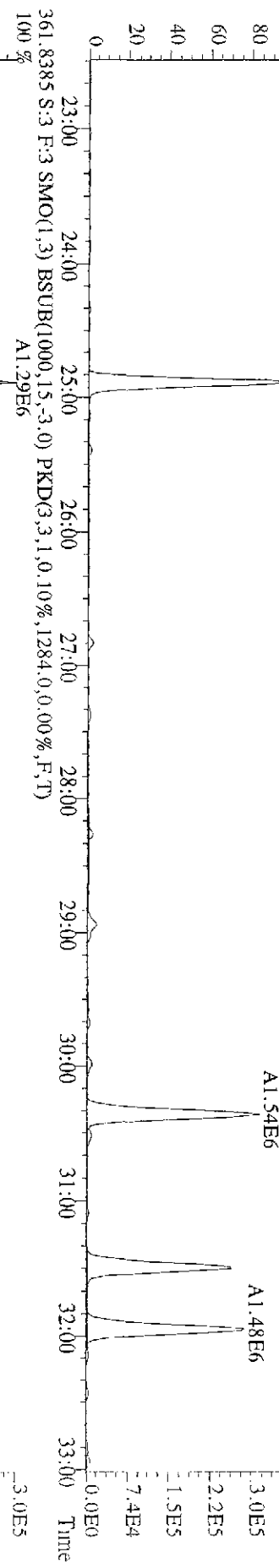




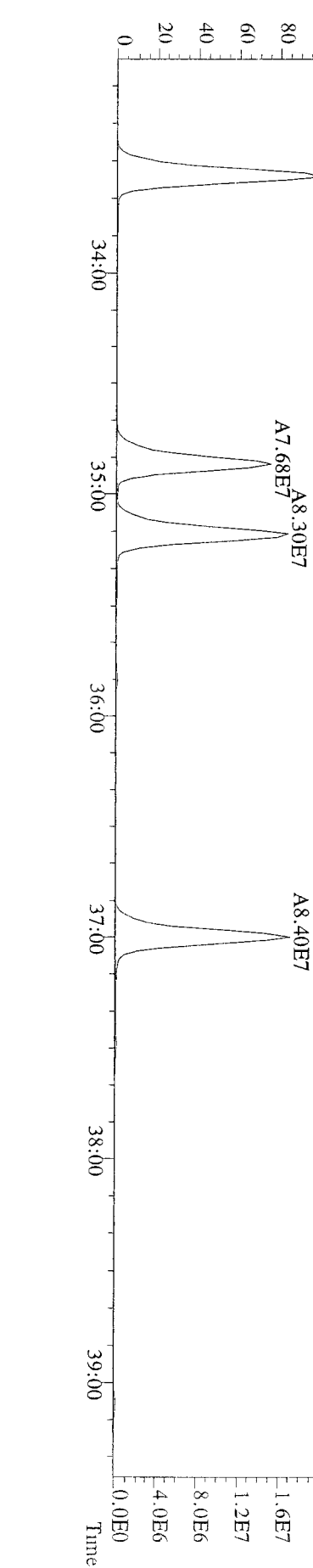
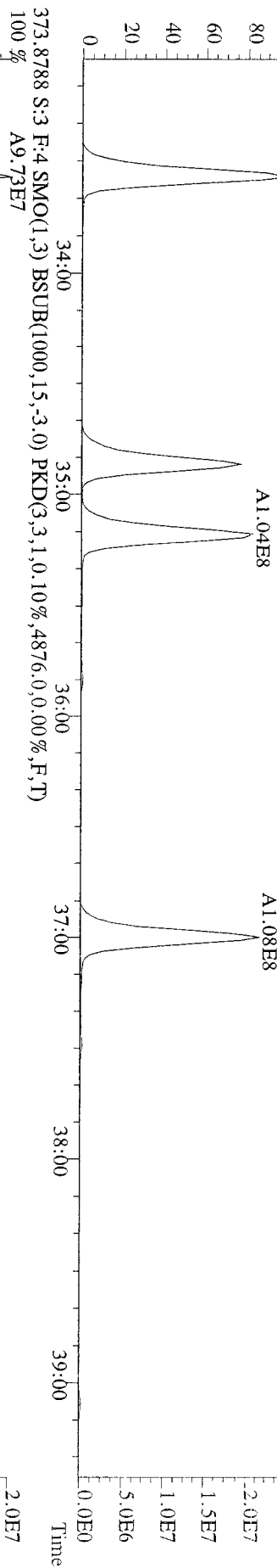
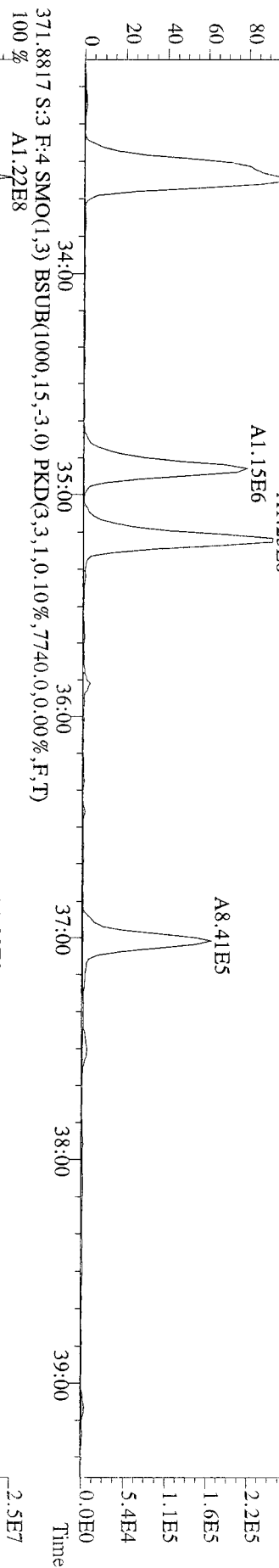
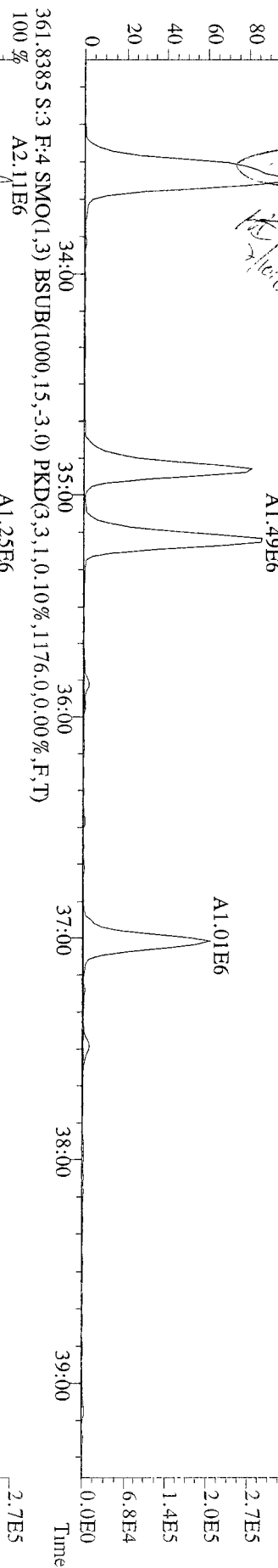
File:091L09E9D5 #1-593 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 323.8834 S:3 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2124,0,0,00%,F,T)  
 100%



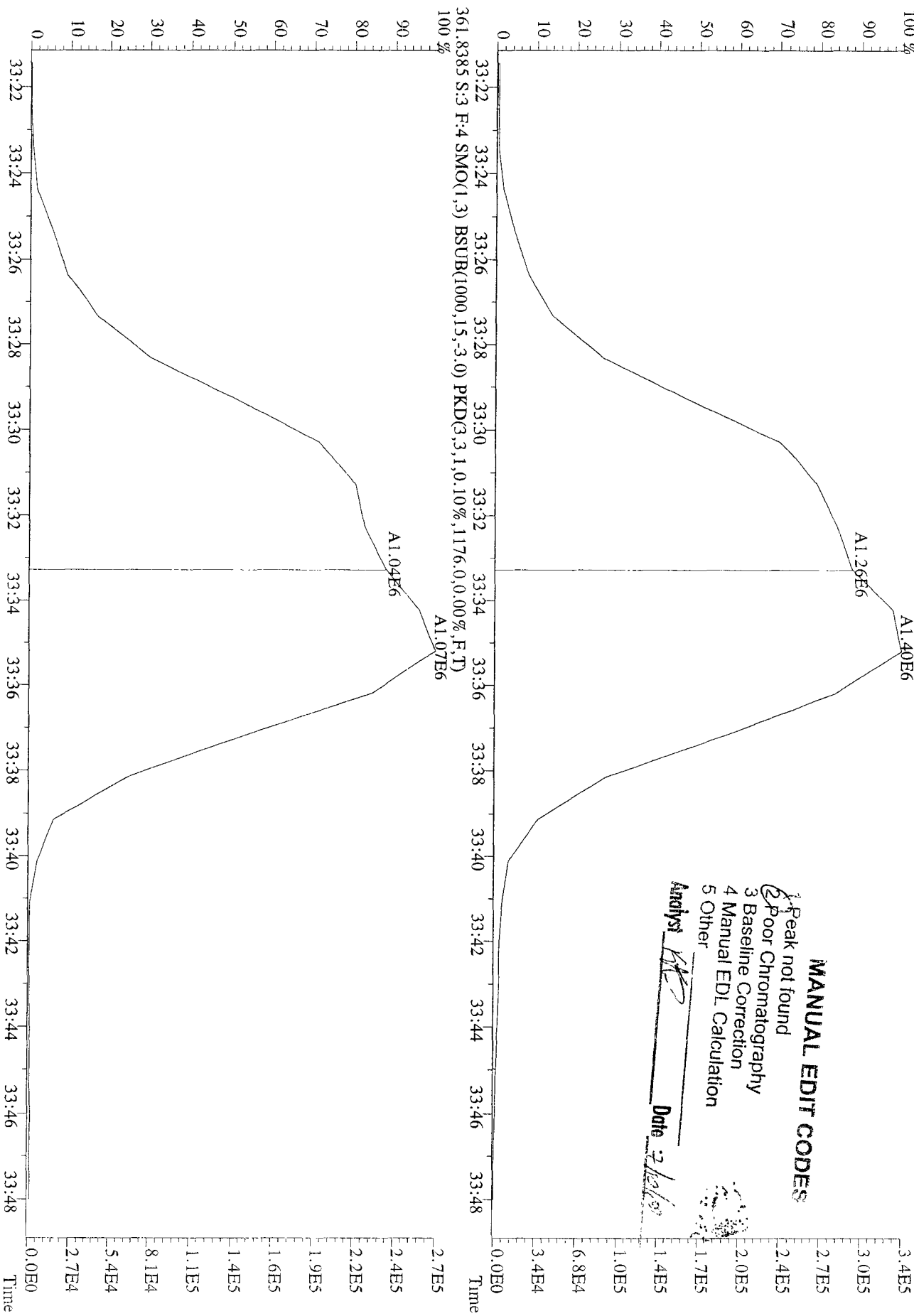
File:091L09E9D5 #1-593 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 359.8415 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1336.0,0.00%,F,T)  
 100% A1.58E6



File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1260.0,0.00%,F,T)  
 100% A2.66E6



File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Ulimab  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1260,0,0,00%,F,T)

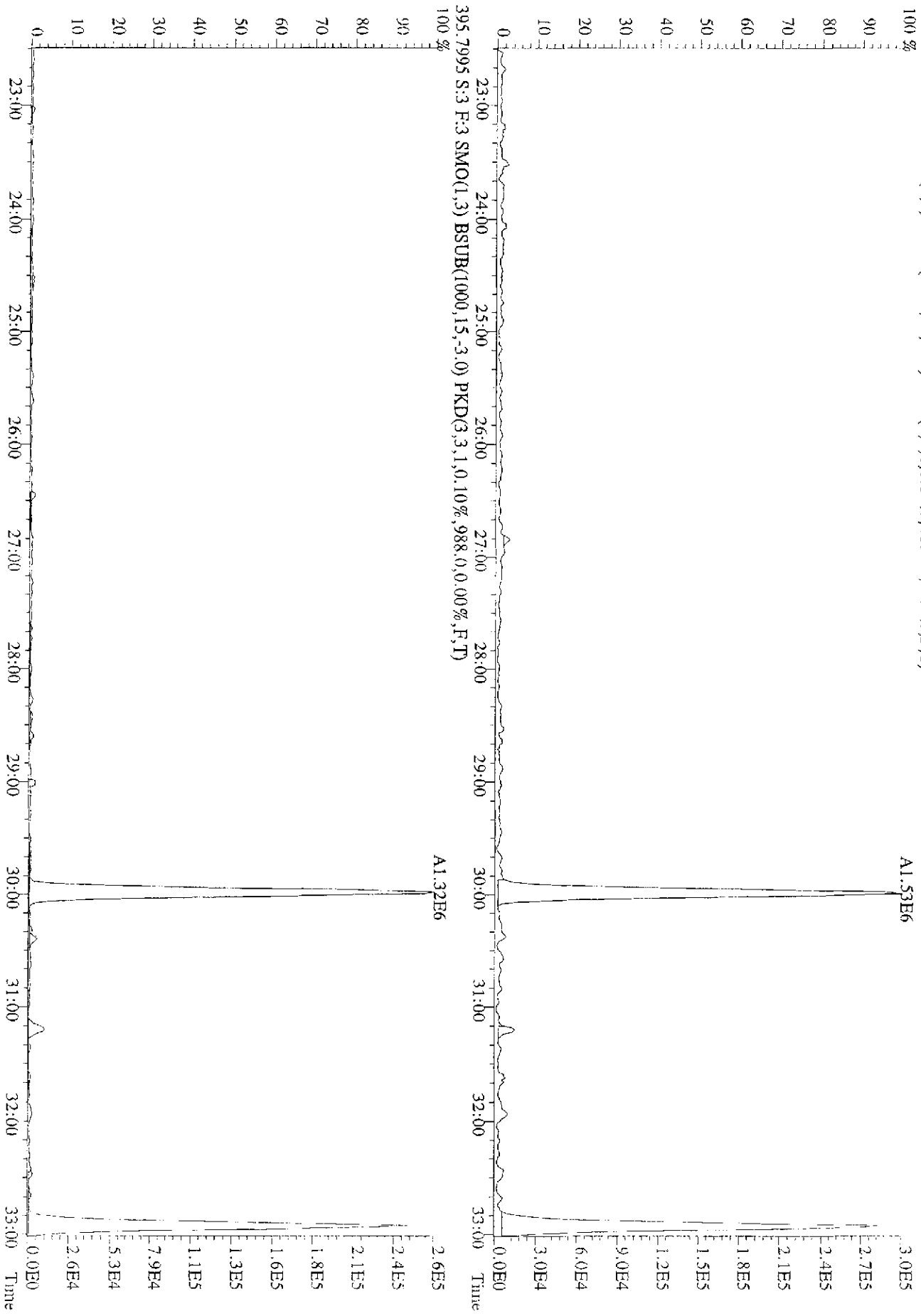


**MANUAL EDIT CODES**

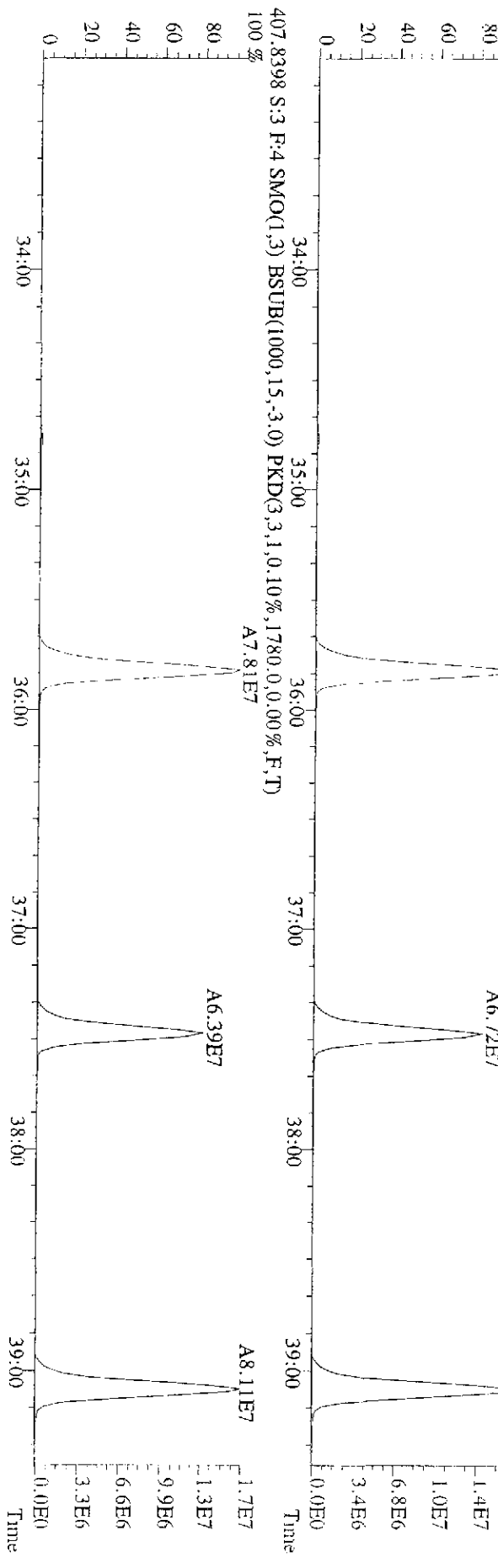
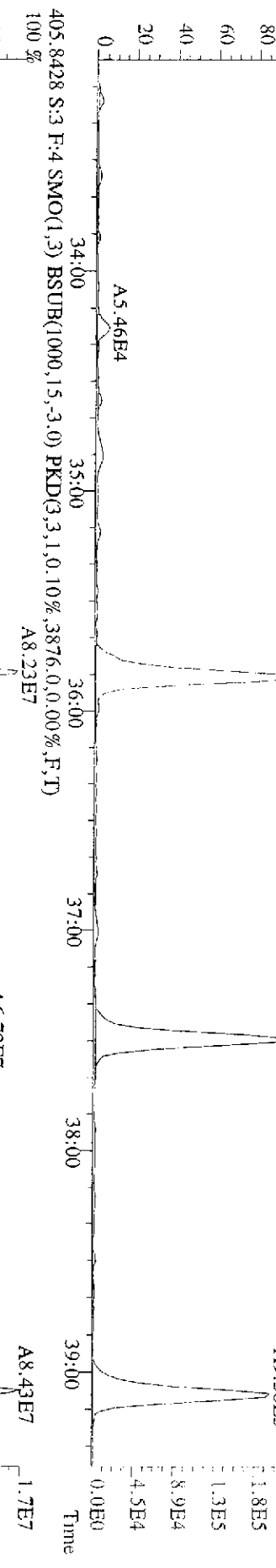
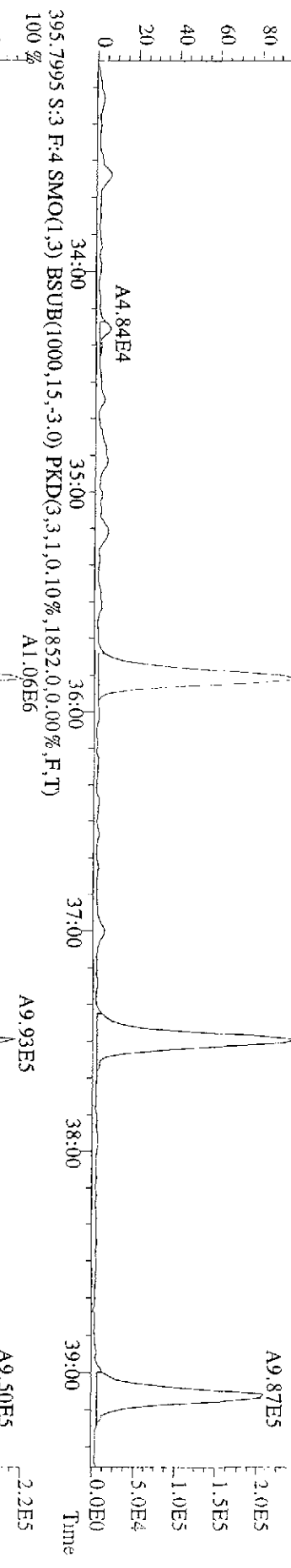
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst: *AKC* Date: *2/26/09*

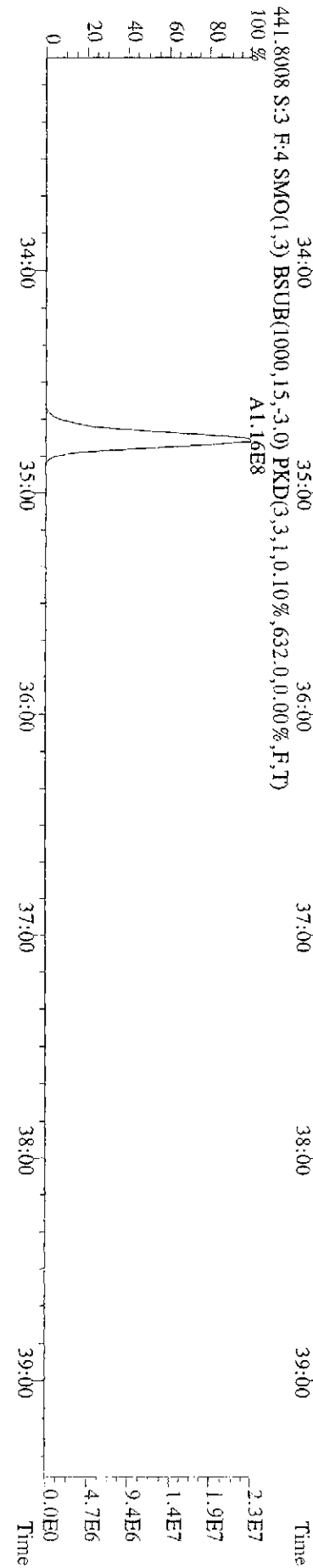
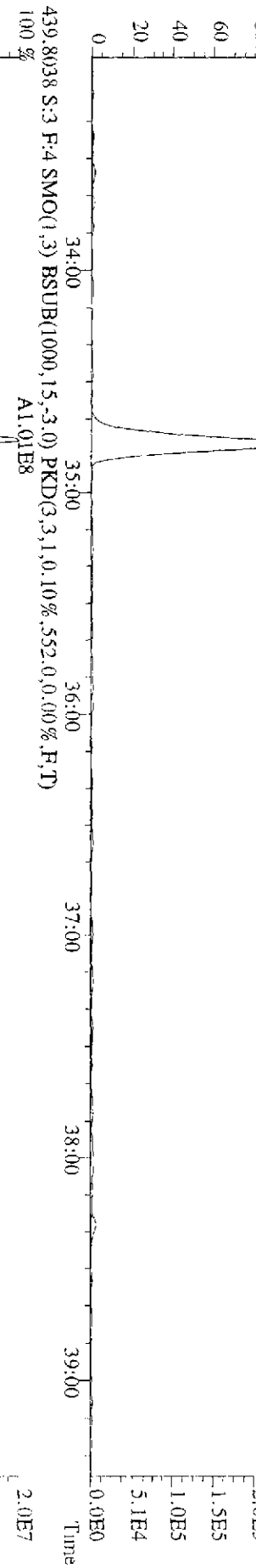
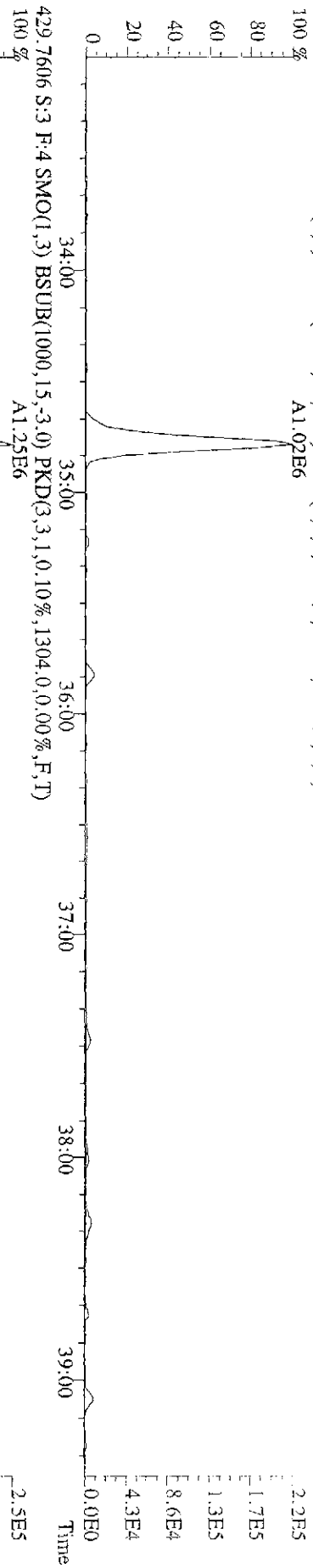
File:09JUL09E9D5 #1-593 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 393.8025 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4180,0.0,0.00%,F,T)  
 100 %



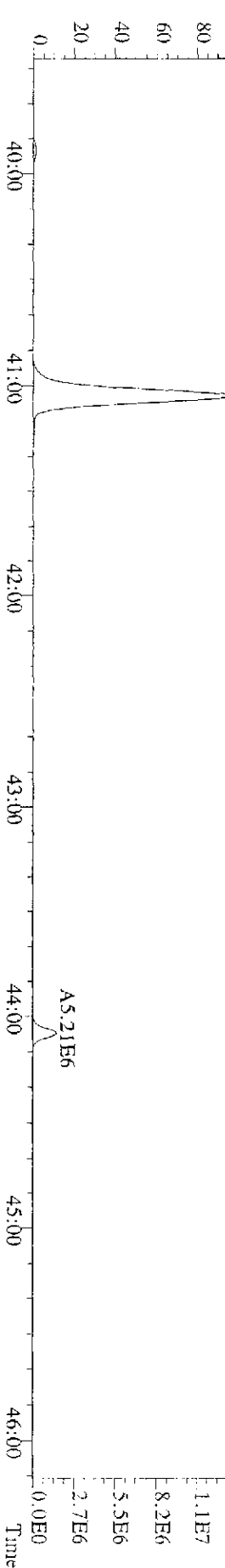
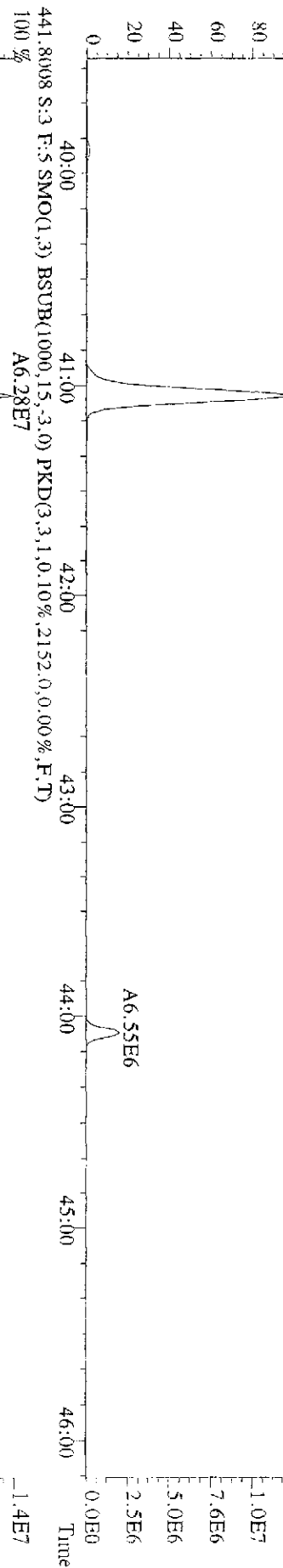
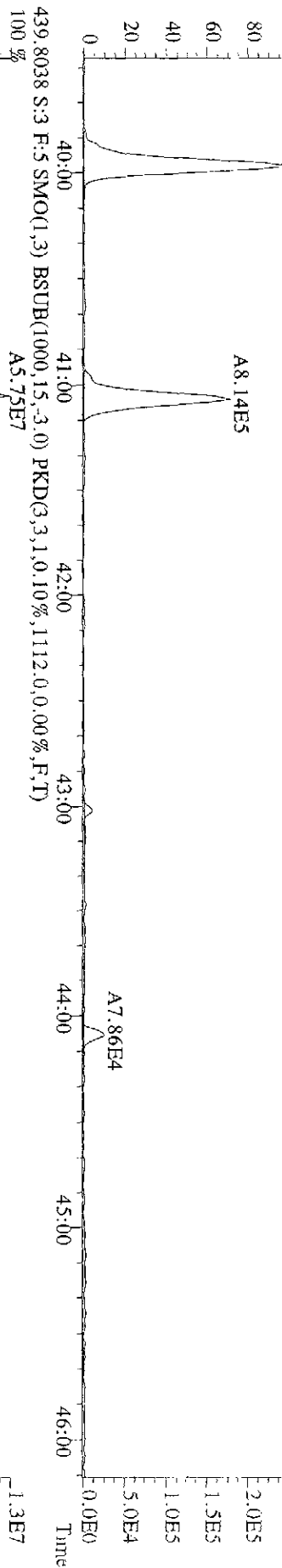
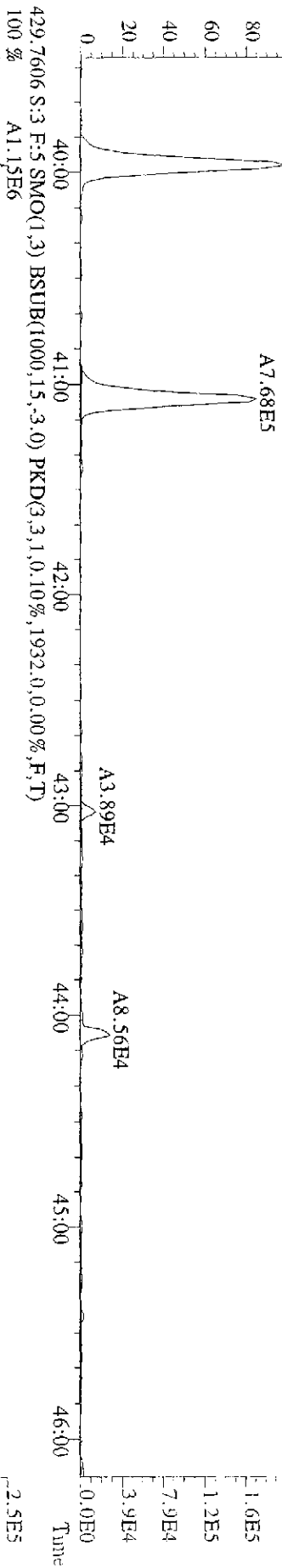
File:091L09E9D5 #1-390 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5  
 399.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6240,0.00%,F,T) A1.19E6



File:091109E9D5 #1-390 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Uhlmab  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 427.7635 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1304,0,0,00%,F,T)  
 A1.02E6

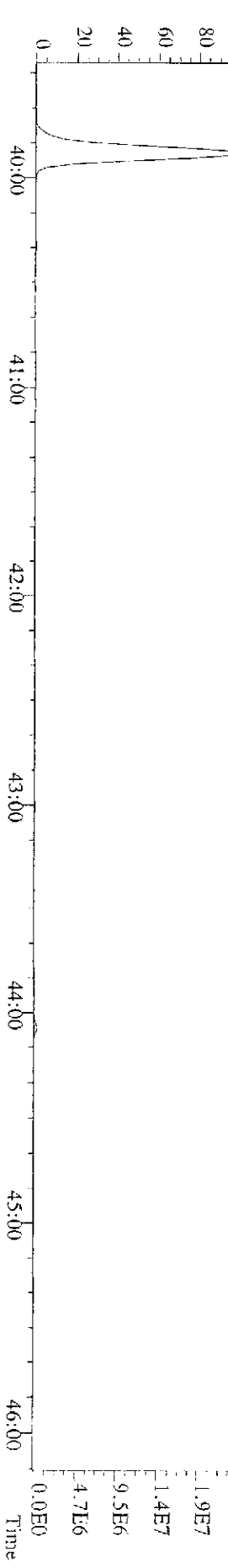
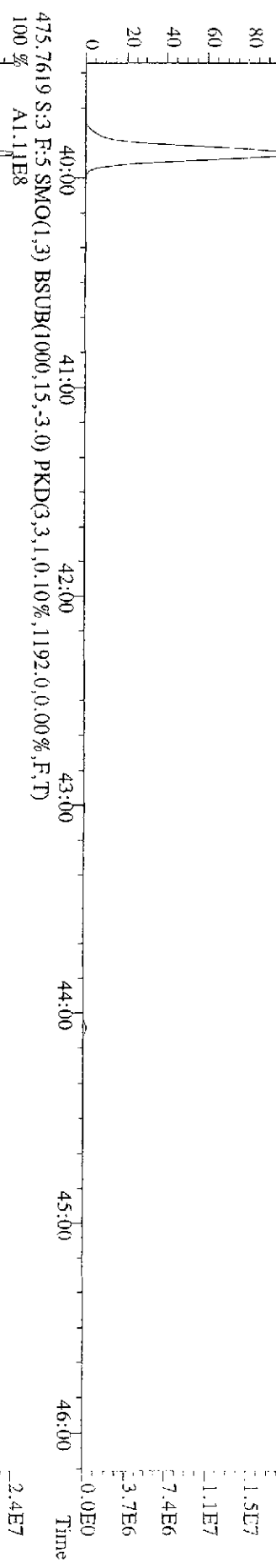
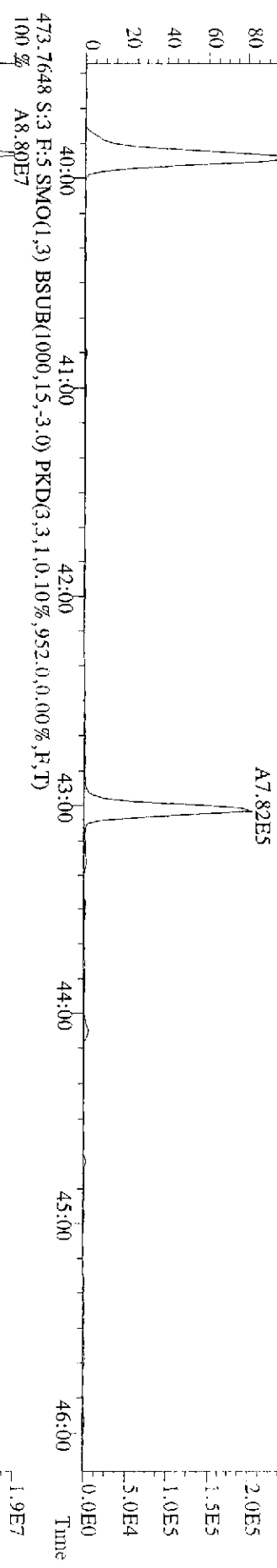
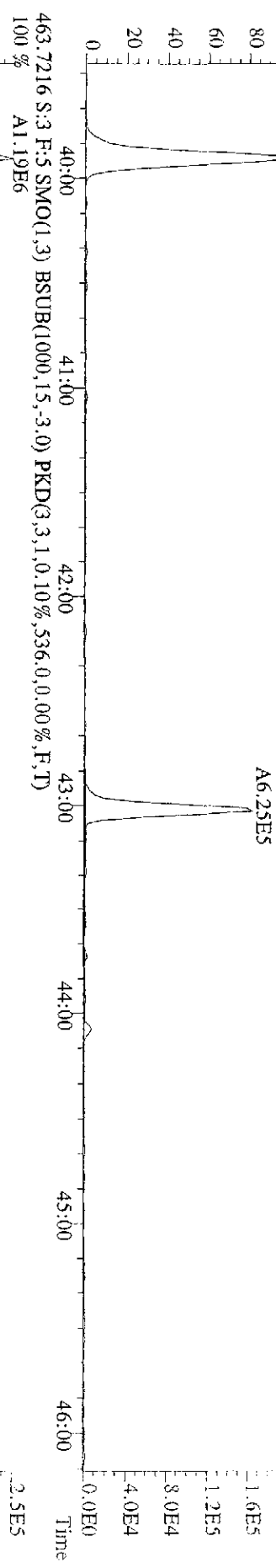


File:09JUL09E9D5 #1-447 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 427.7635 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,860,0,0.00%,F,T)  
 100 % A9.48E5

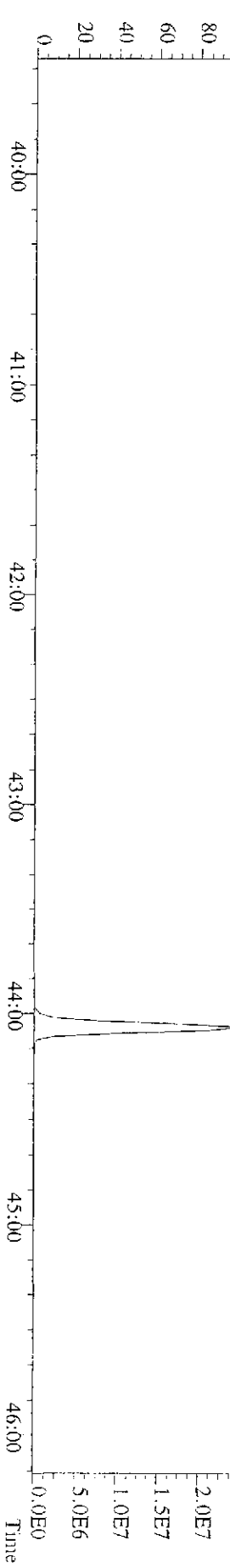
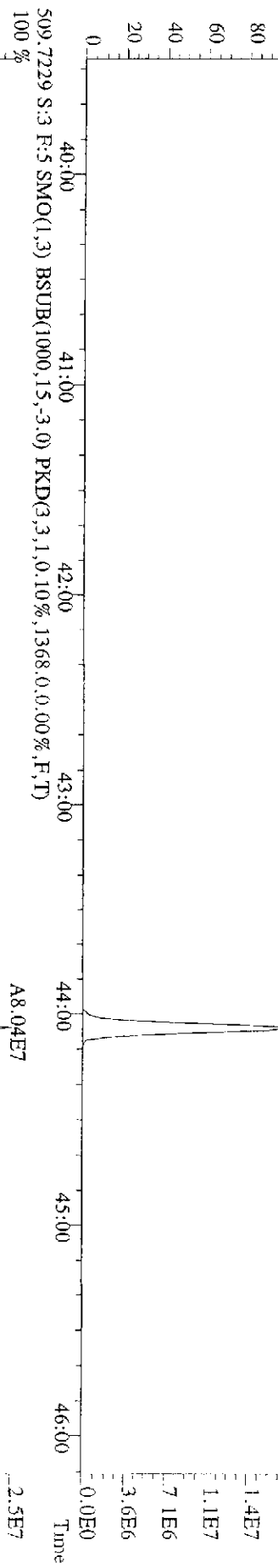
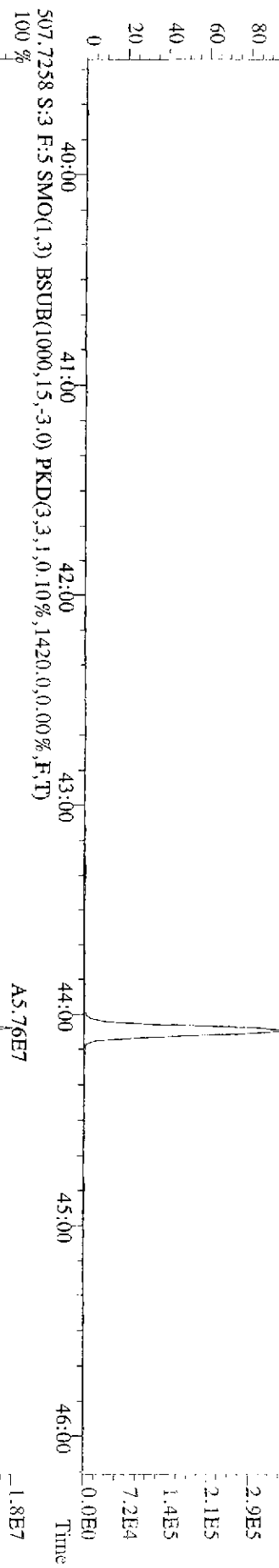
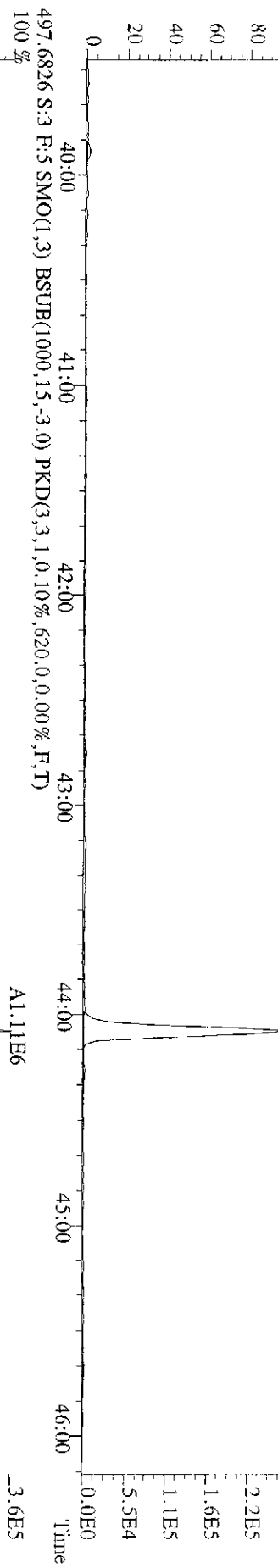




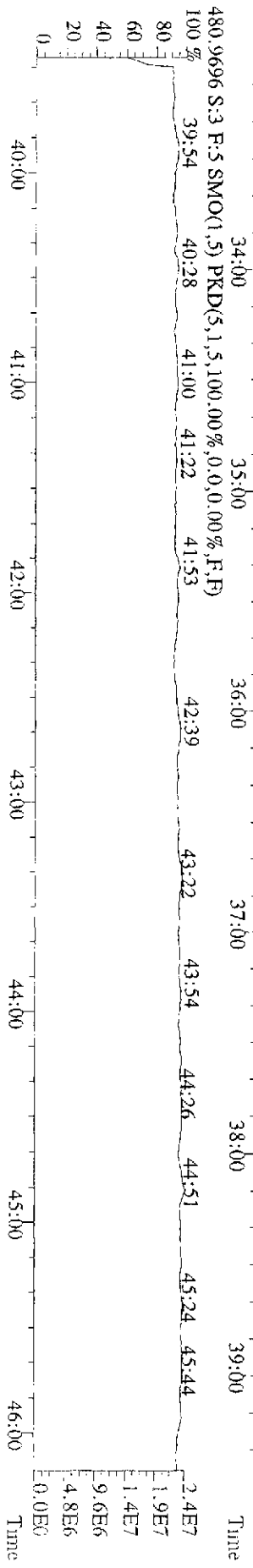
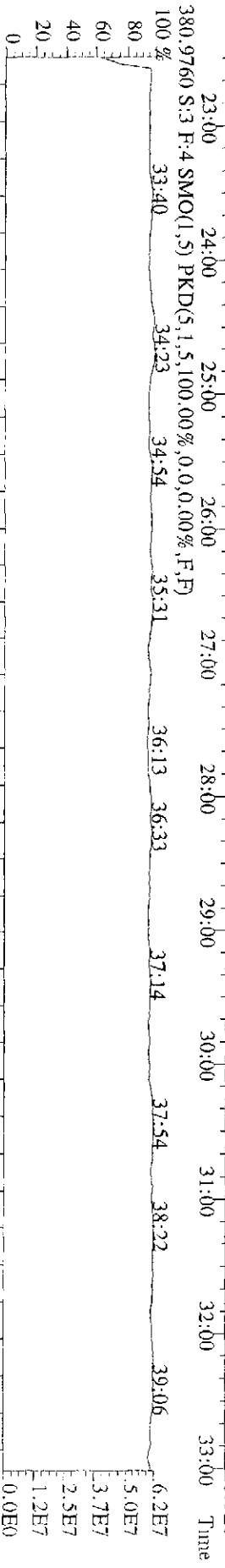
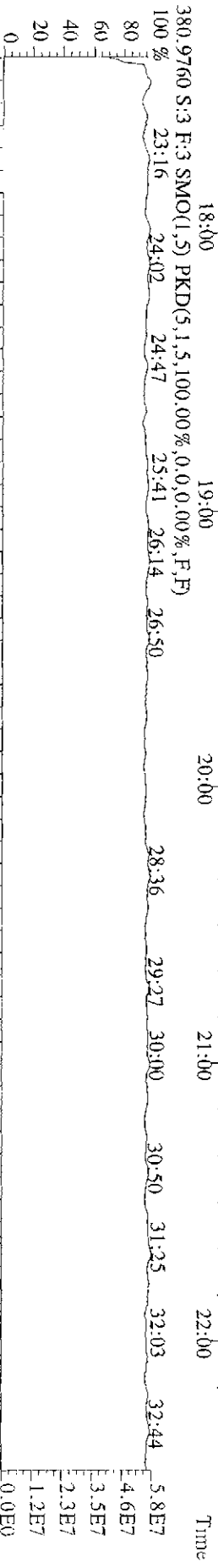
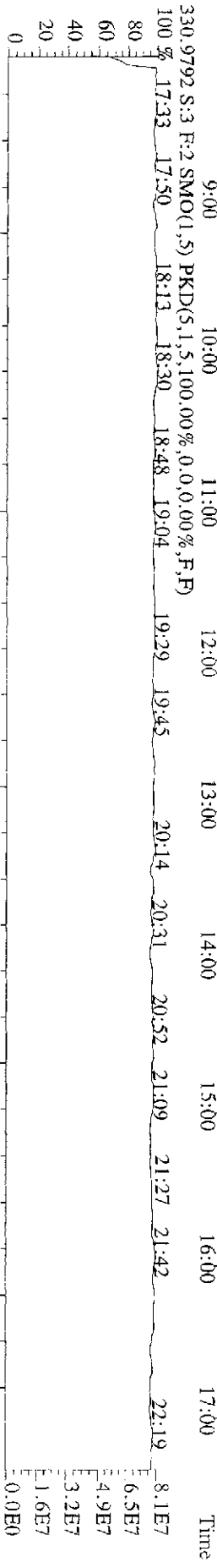
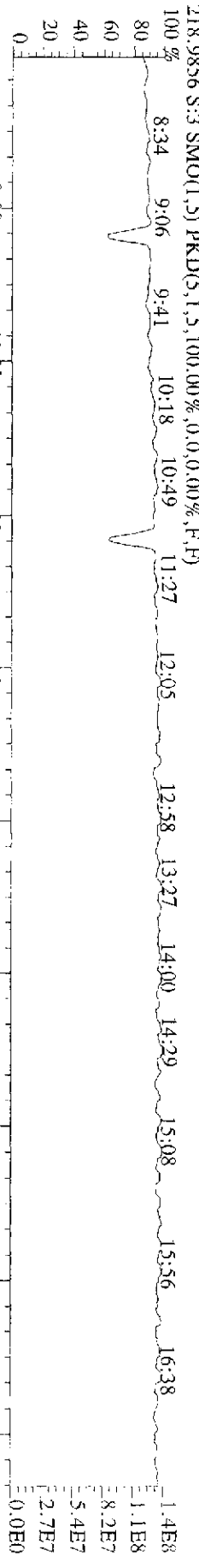
File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0709B :CSI 09DXN205 Exp:209DB5  
 463.7216 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,536,0,0,00%,F,T)  
 100% A9.50E5



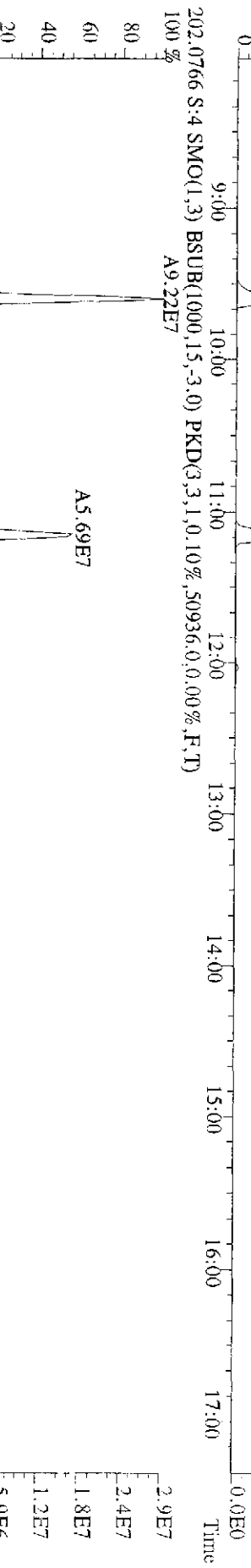
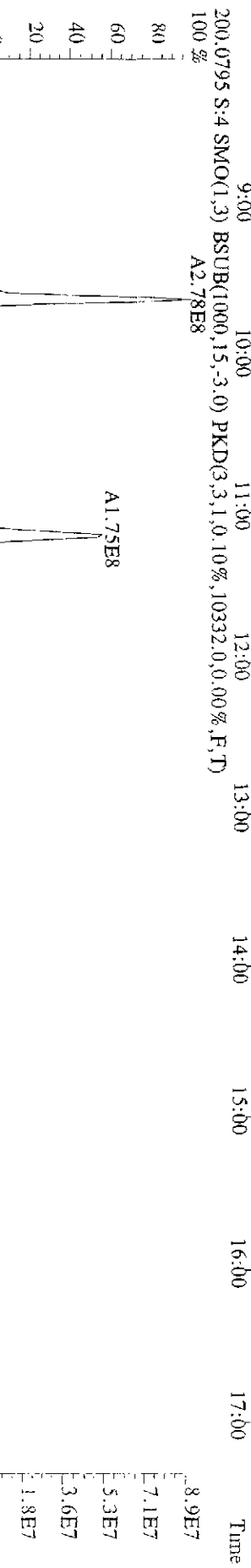
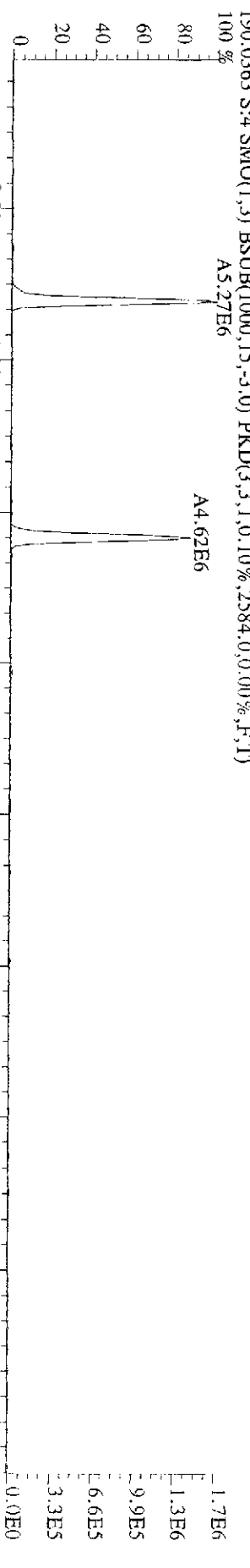
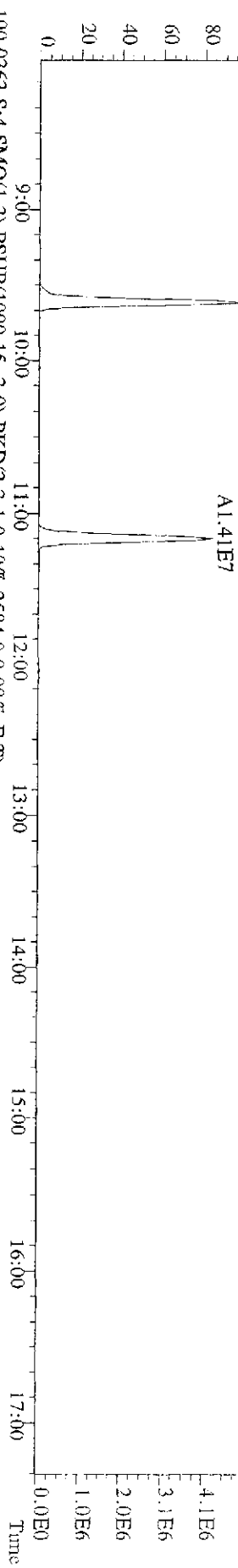
File:09H109E9D5 #1-447 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST0709B :CSI 09DDXN205 Exp:209DB5  
 495.6856 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1208,0,0,00%,F,T)



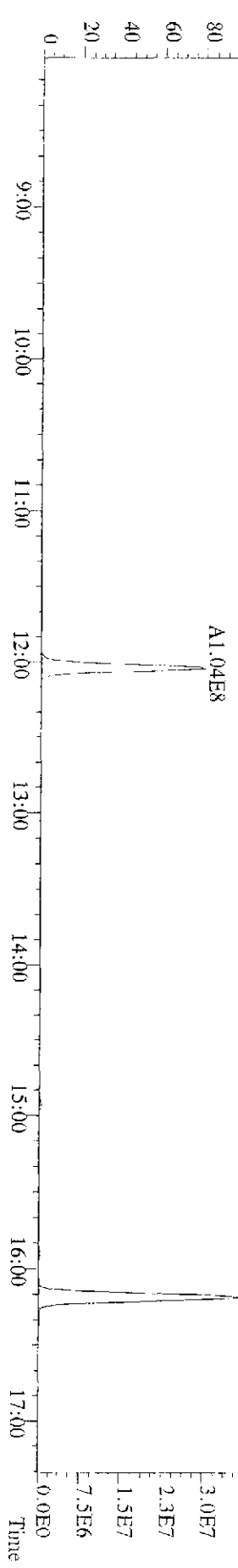
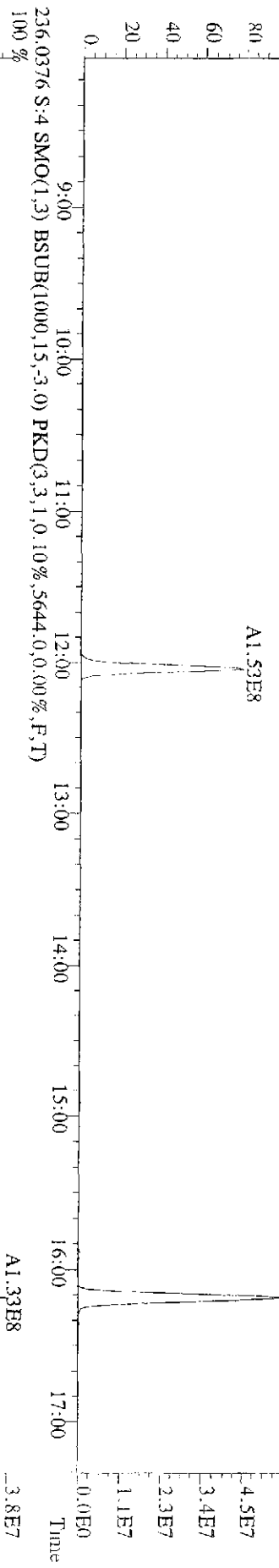
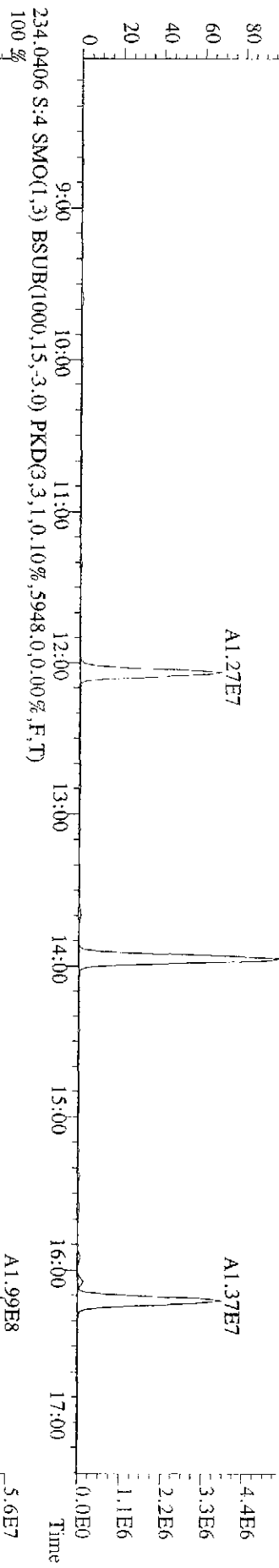
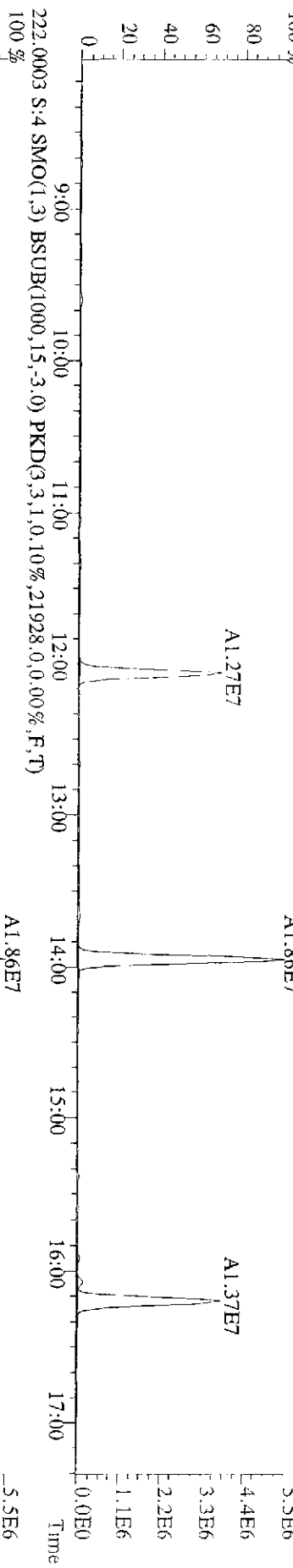
File: 091L09E9D5 #1-633 Acq: 9-JUL-2009 21:14:19 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST0709B :CS1 09DXN205 Exp:209DB5



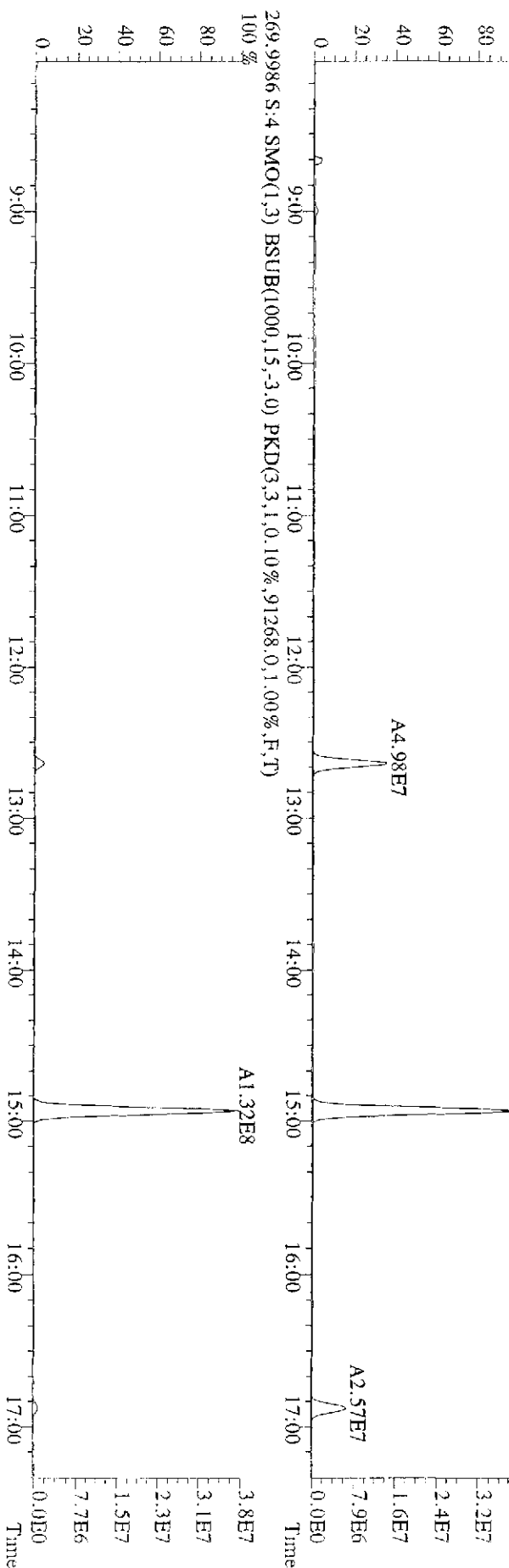
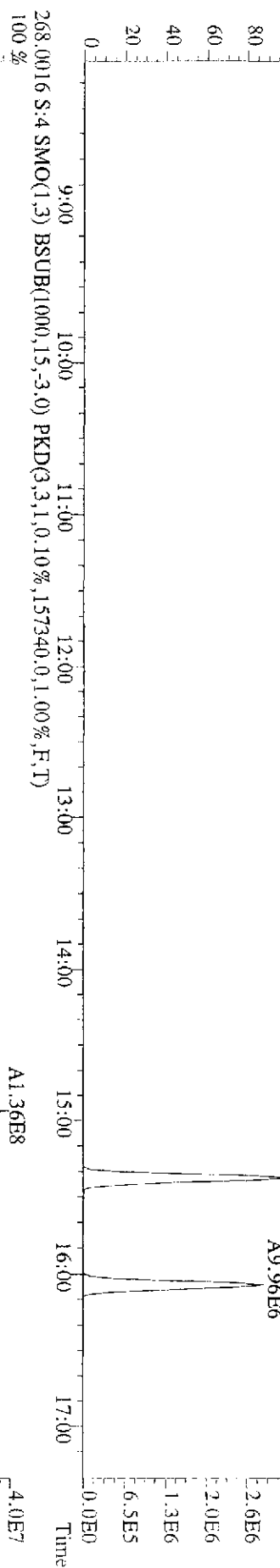
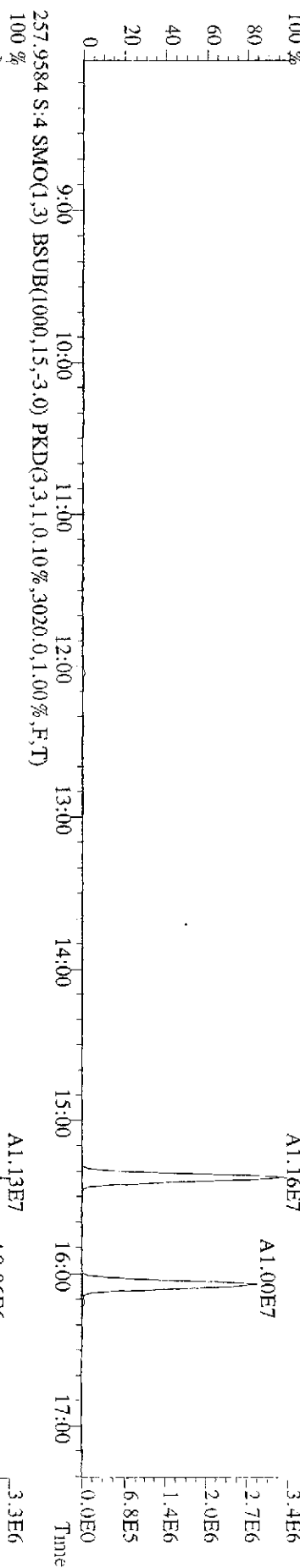
File:09JL09E9D5 #-633 Acq: 9-JUL-2009 22:05:42 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 188.0393 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4540,0,0,00%,F,T)  
 100% A1.60E7



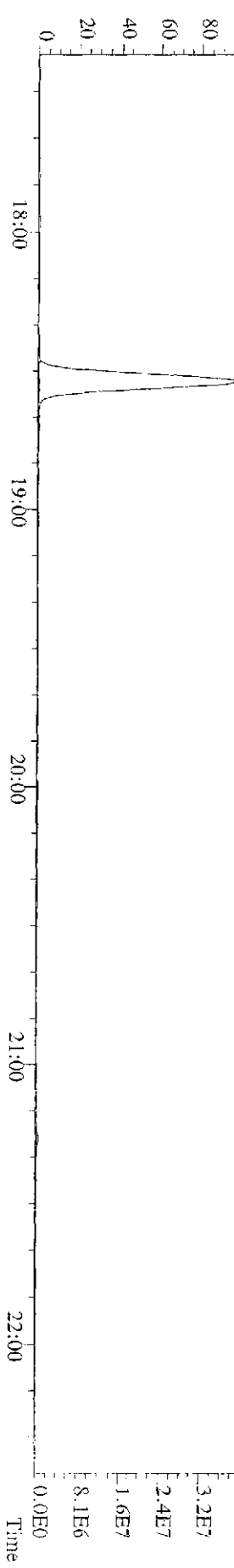
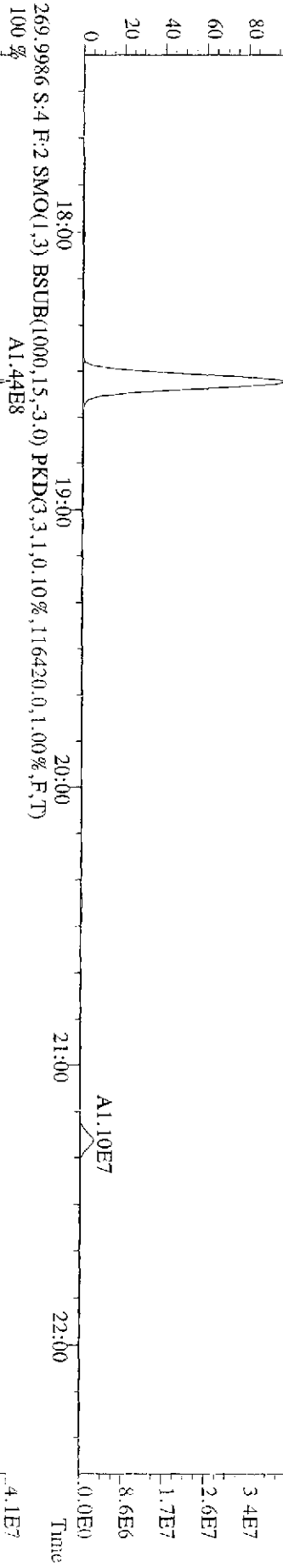
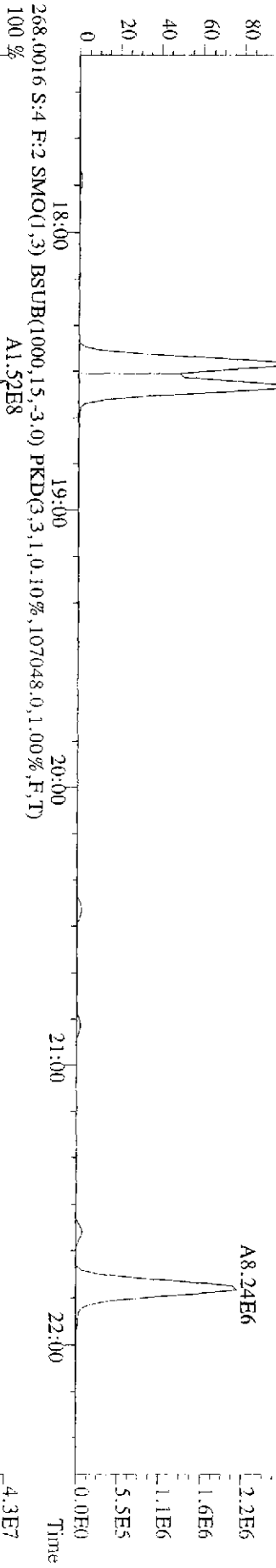
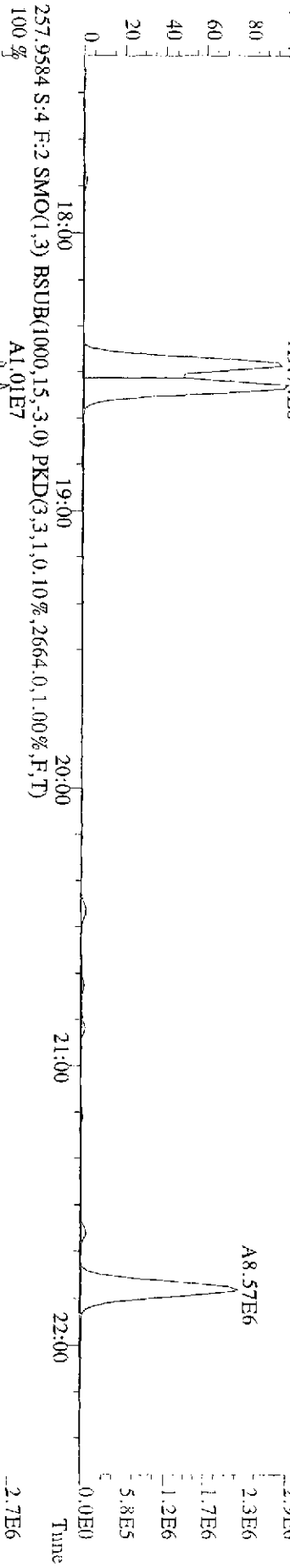
File:09JUL09E9D5 #1-633 Acq: 9-JUL-2009 22:05:42 GC FI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 222.0003 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,21928,0,0.00%,F,T)

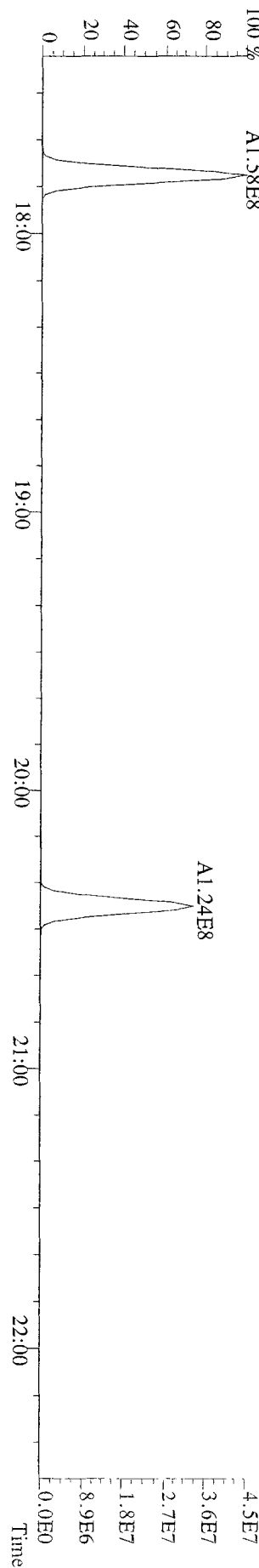
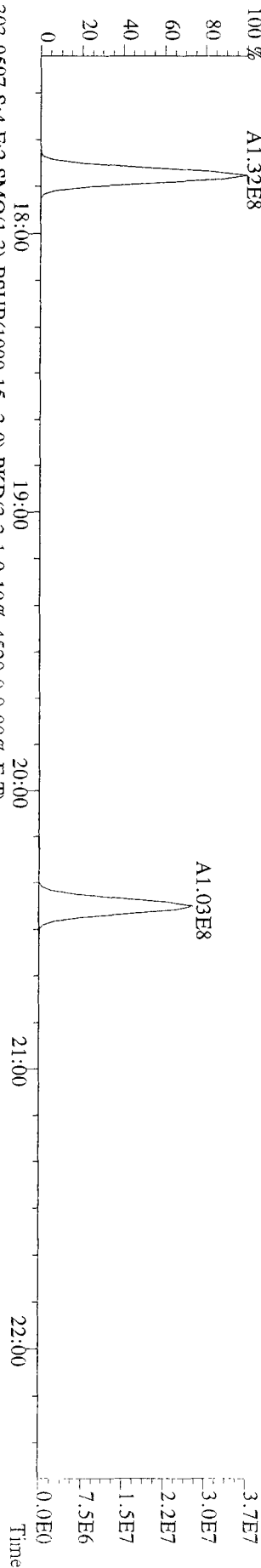
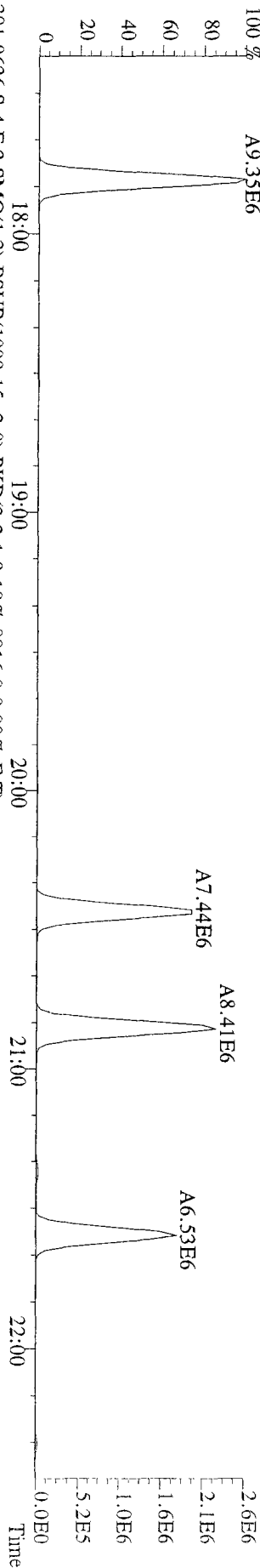
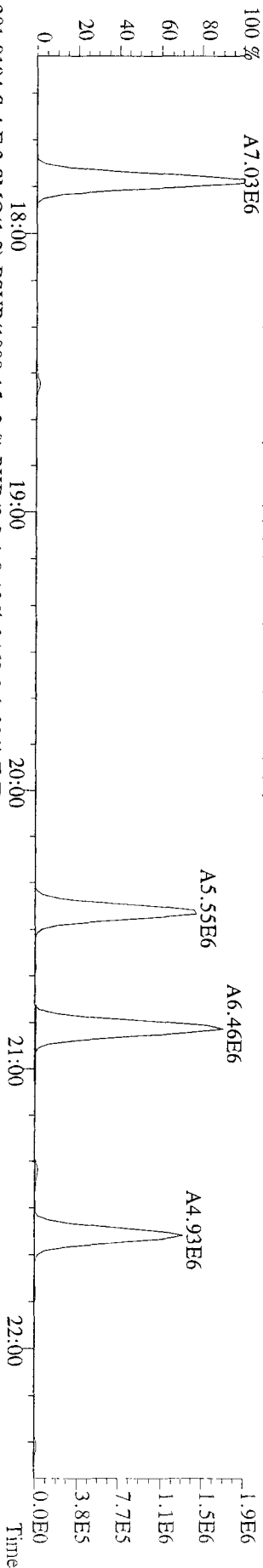


File:09JUL09E9D5 #1-633 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-UltraE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 255.9613 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6152,0,1,00%,F,T)



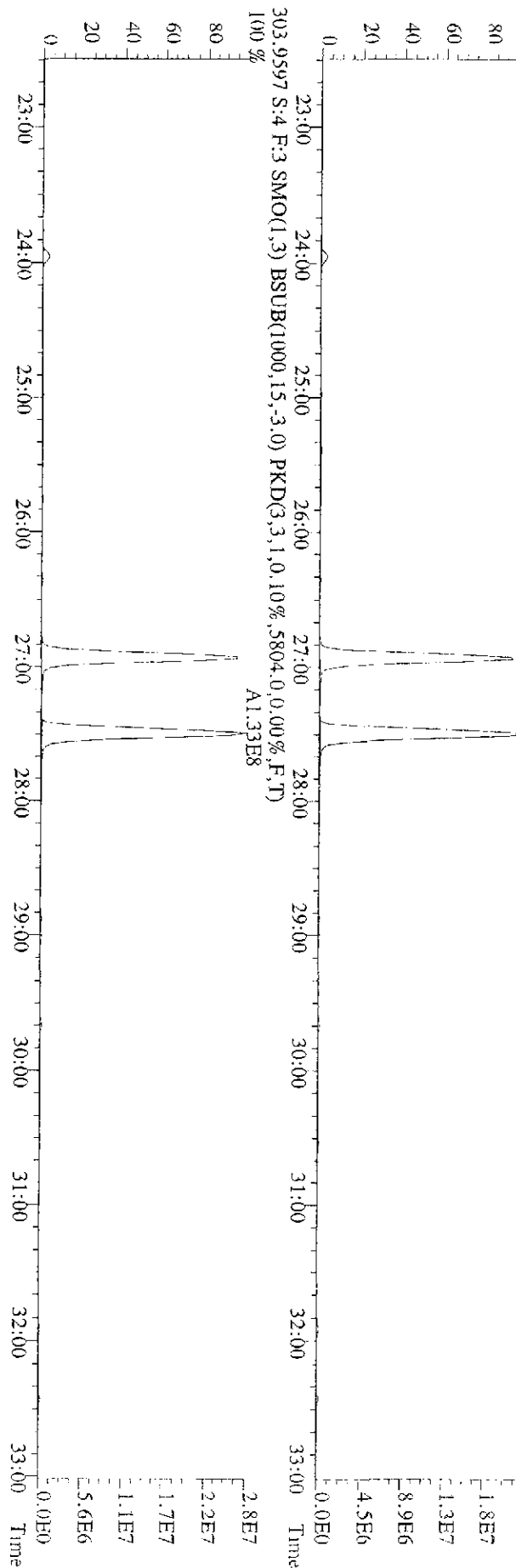
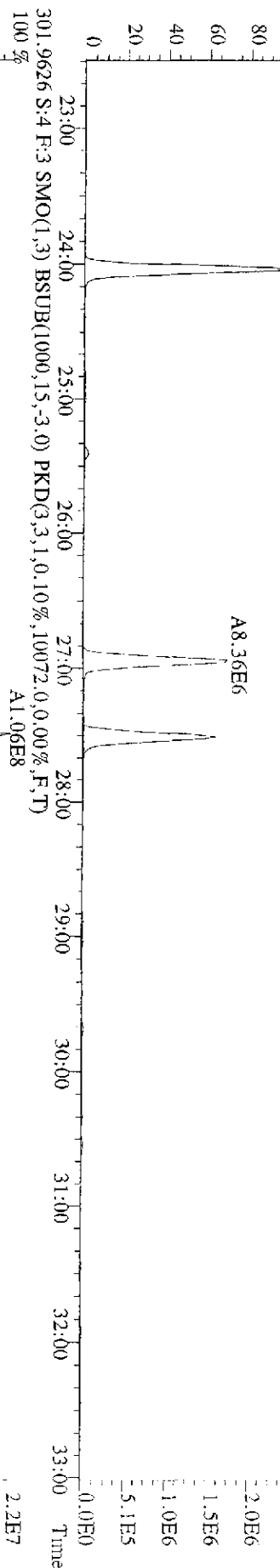
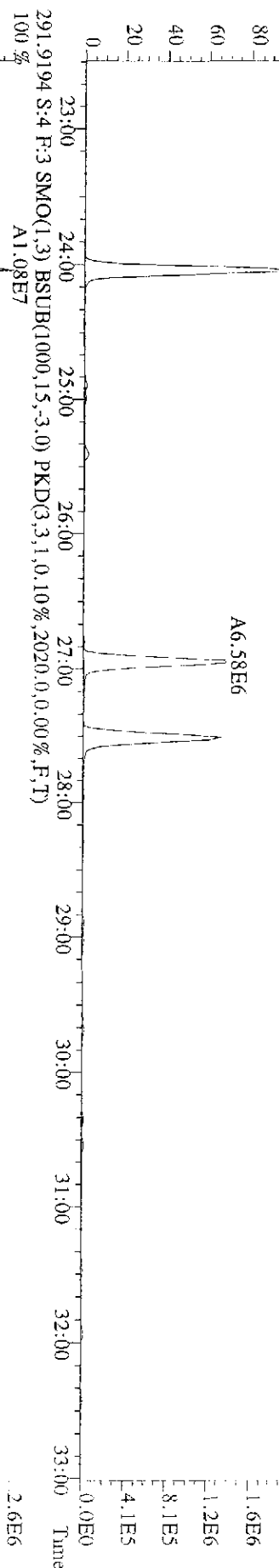
File: 09IL09E9D5 #1-372 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 255.9613 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,6588,0,1,00%,F,T)



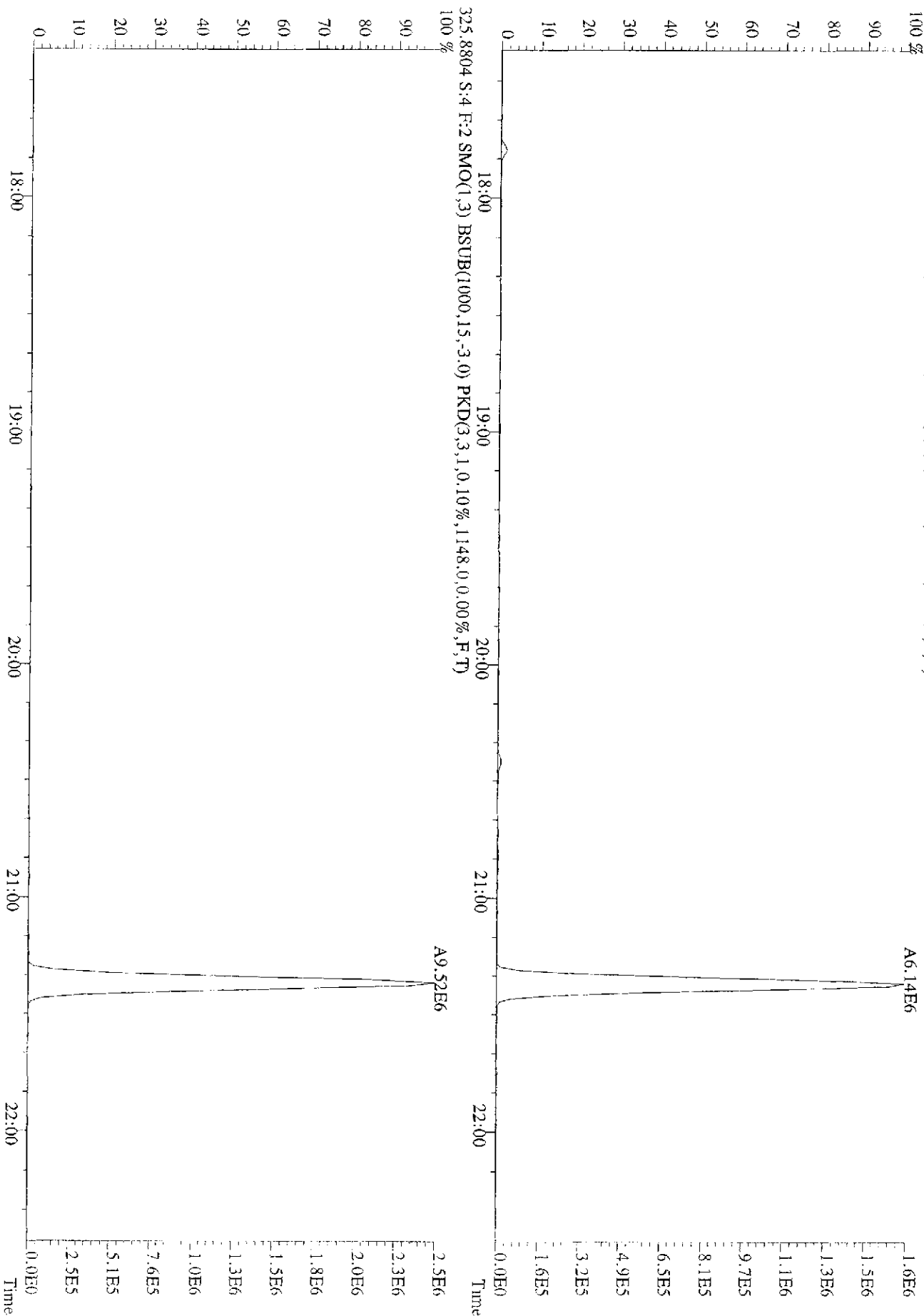




File:09HL09E9D5 #1-593 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2116,0,0,00%,F,T)  
 100% A8.36E6

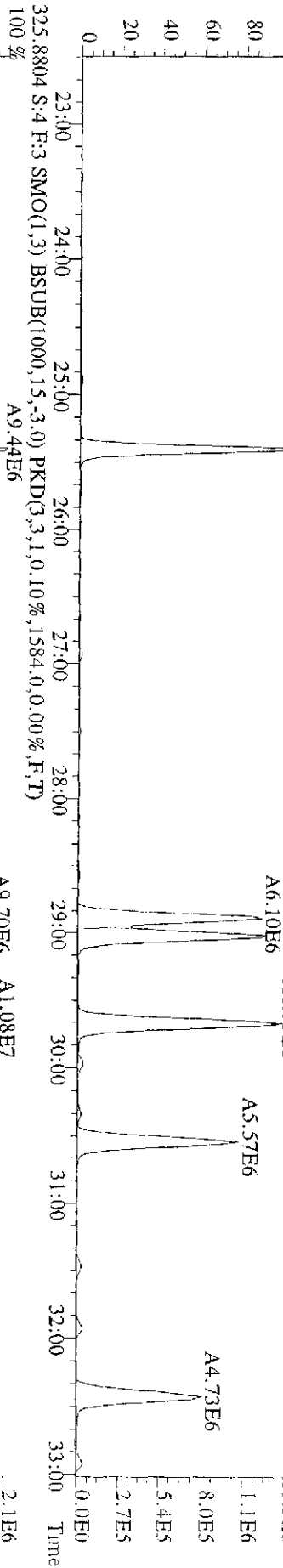


File:09JL09E9D5 #1-372 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
323.8834 S:4 F:2 SMO(1,3) BSTUB(1000,15,-3.0) PKD(3,1,0.10%,1640,0,0.00%,F,T)  
100 %

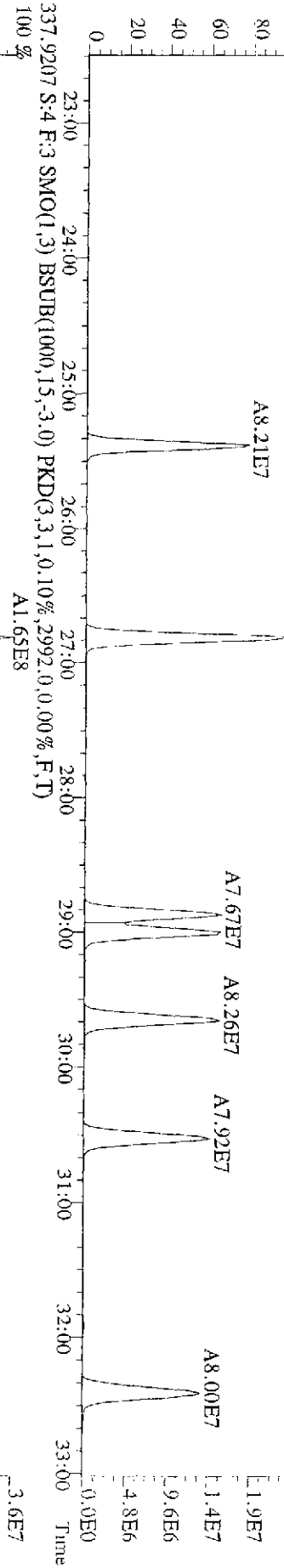


File:091L09E9D5 #1-593 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5

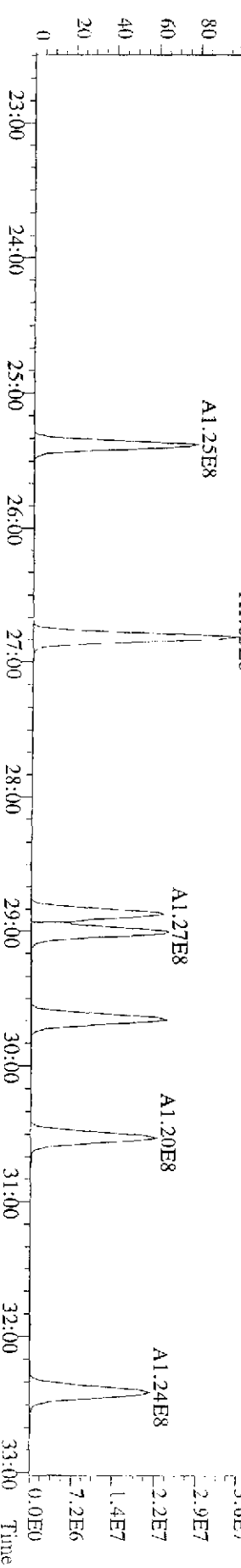
323.8834 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1732.0,0.00%,F,T)



335.9236 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,6824,0,0.00%,F,T)

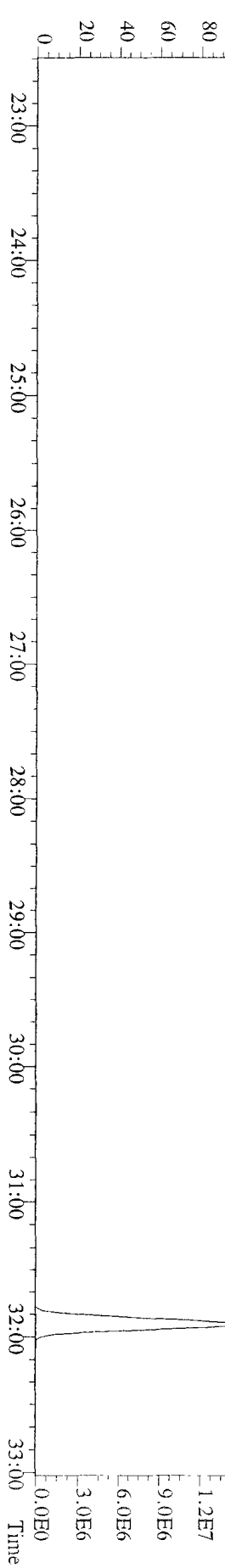
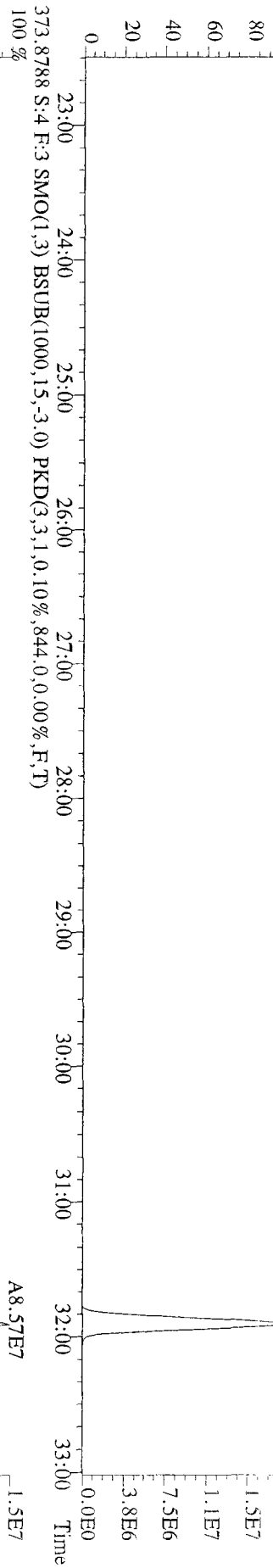
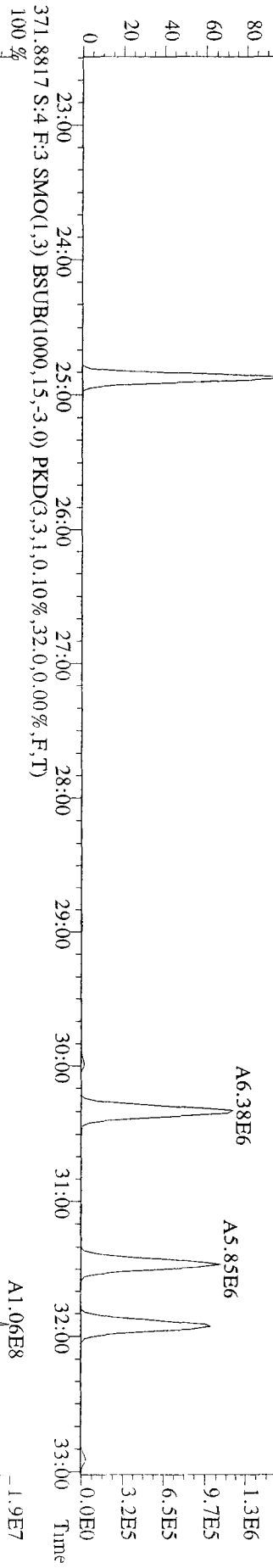
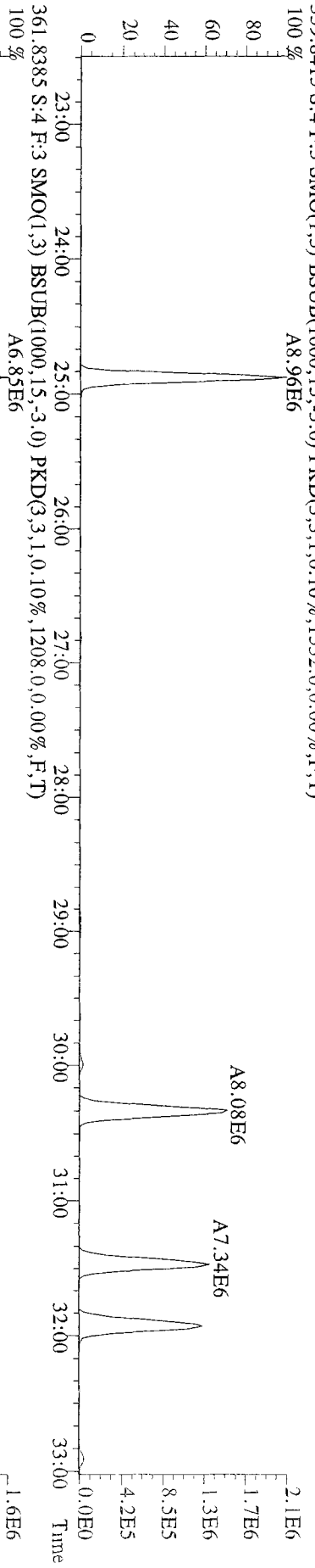


337.9207 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2992,0,0.00%,F,T)

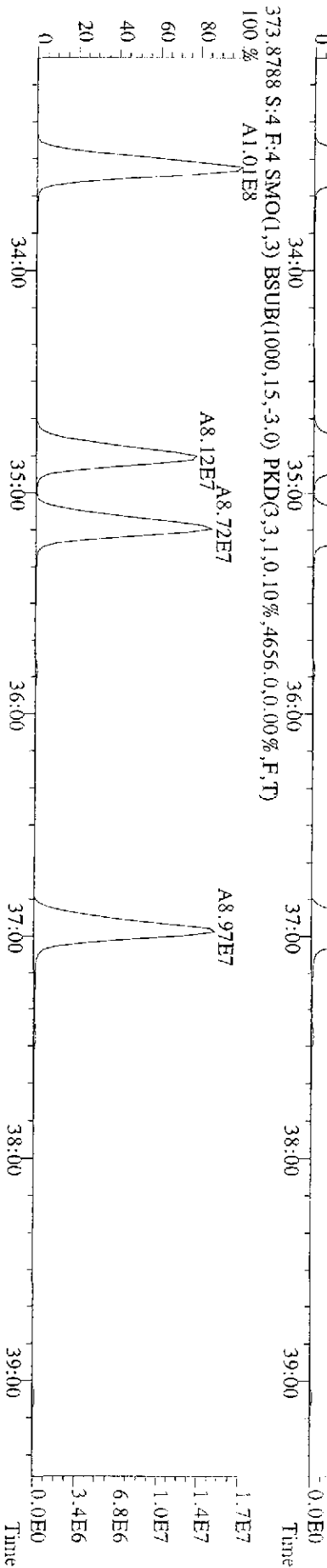
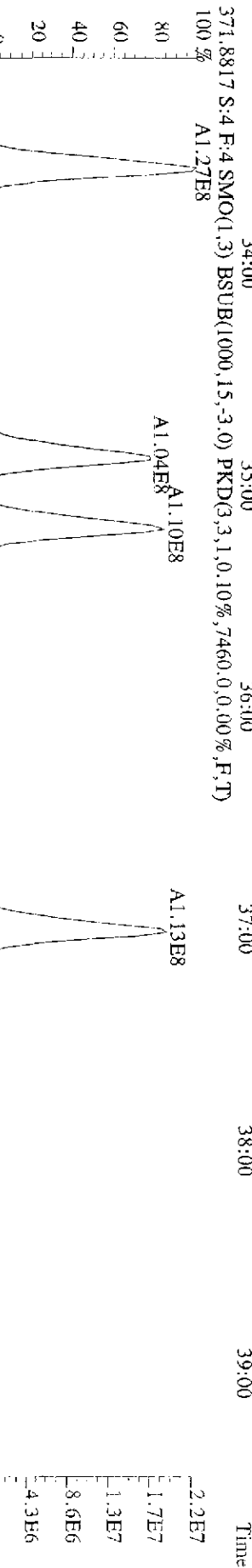
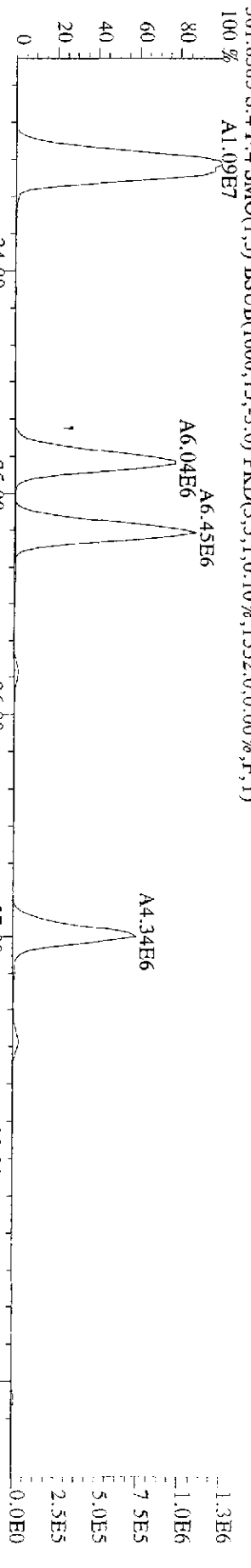
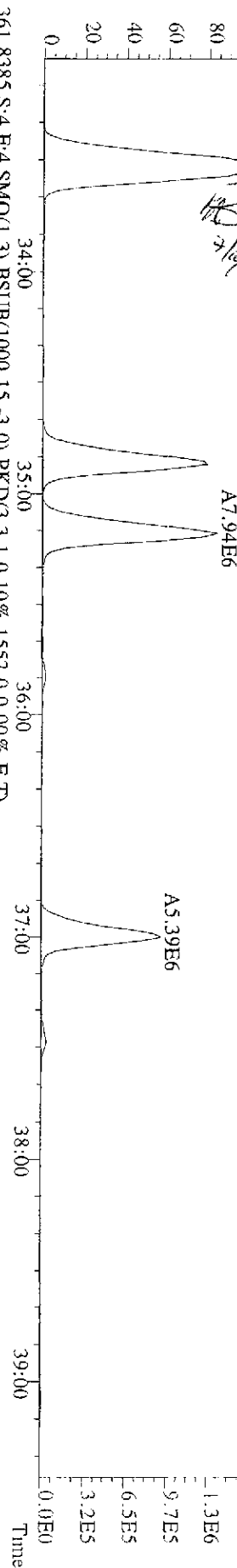


File:09JUL09E9D5 #1-593 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-Ultimate

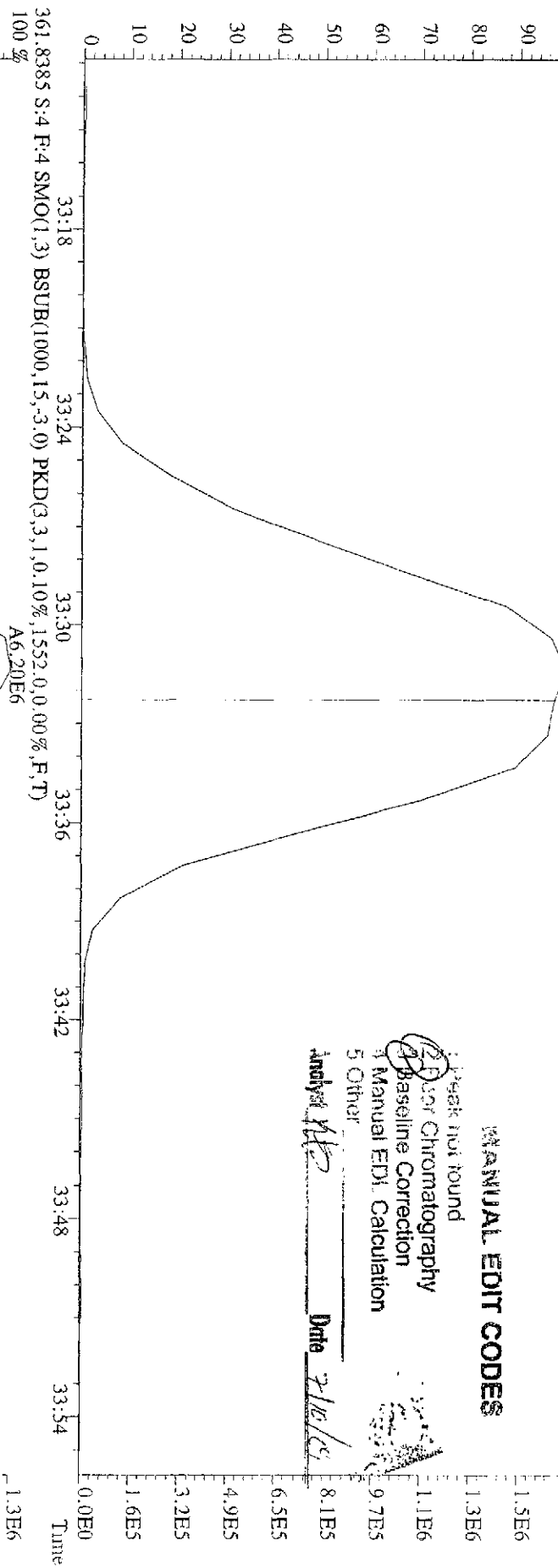
Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
359.8415 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1532.0,0.00%,F,T)



File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1328.0,0.00%,F,T)  
 100% A1.40E7



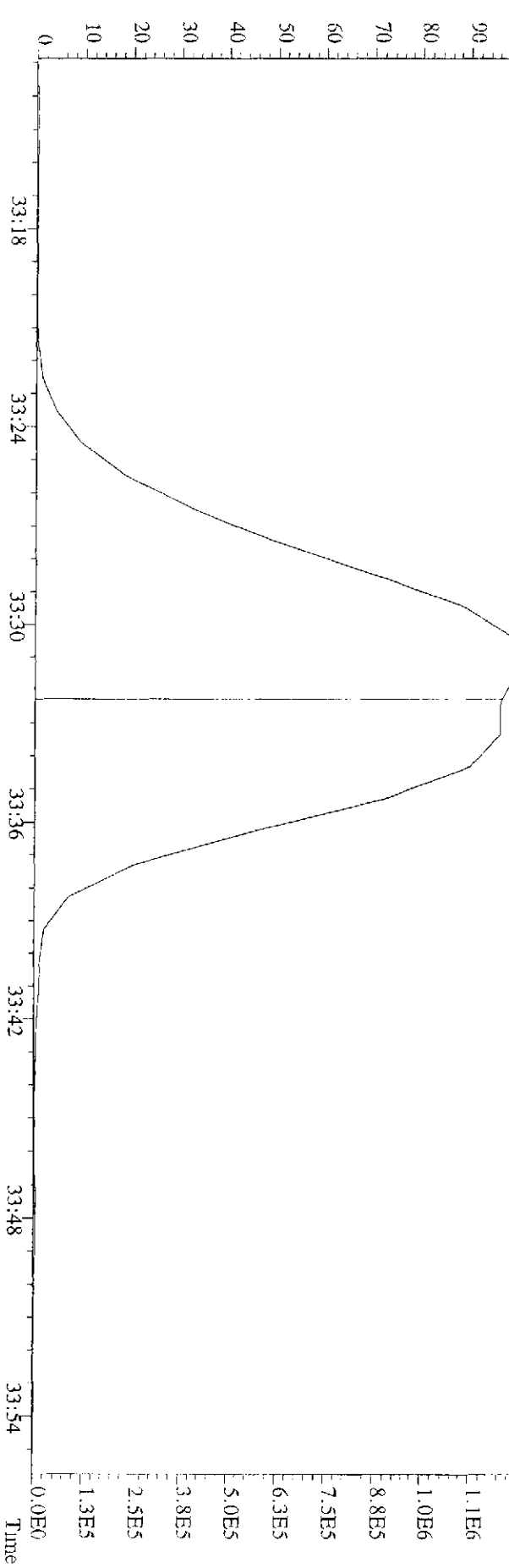
File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 359.8415 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1328,0,0,00%,F,T)  
 A7.90E6



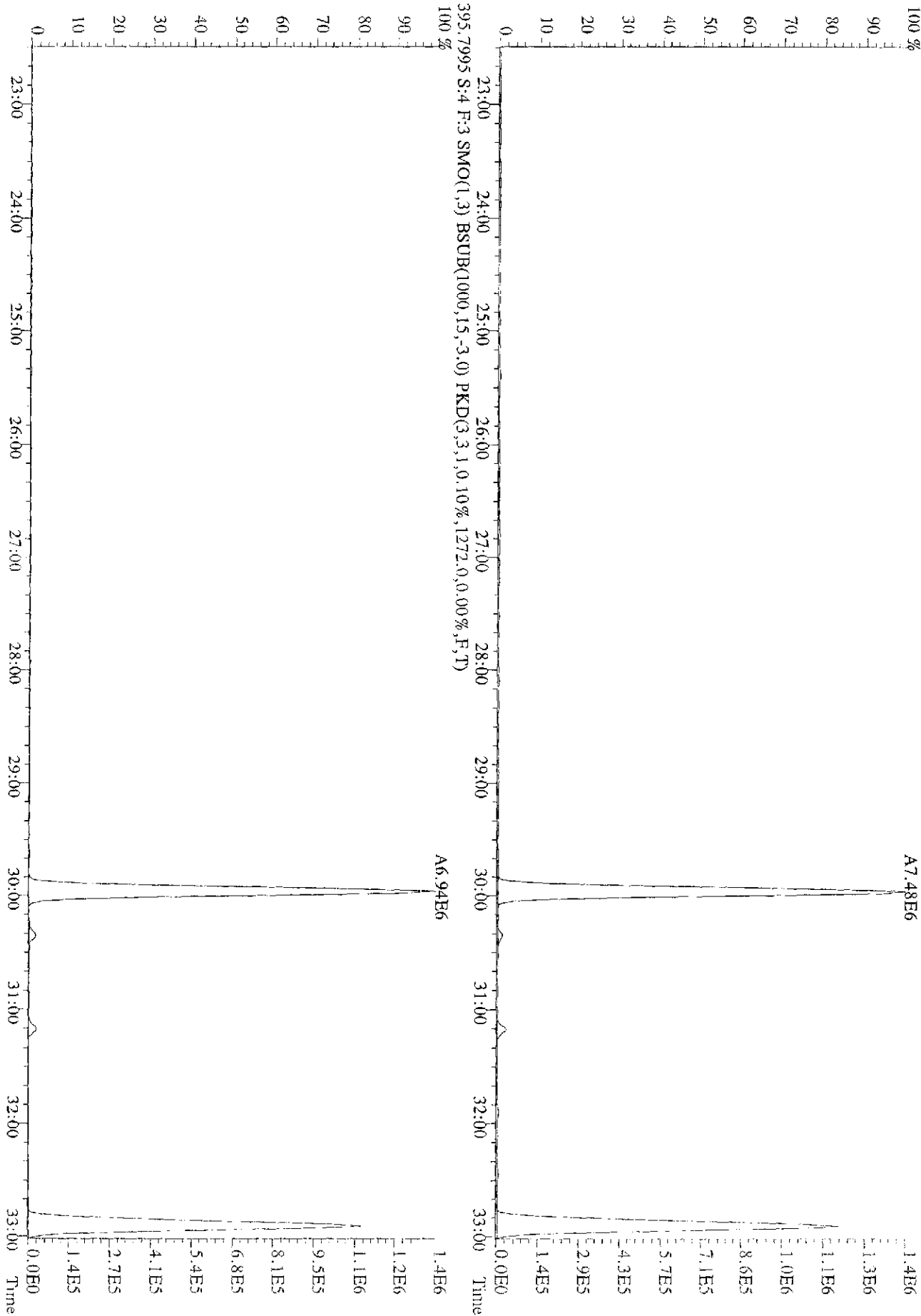
**MANUAL EDIT CODES**

1 Peak not found  
 2 Detector Chromatography  
 3 Baseline Correction  
 4 Manual EDI Calculation  
 5 Other

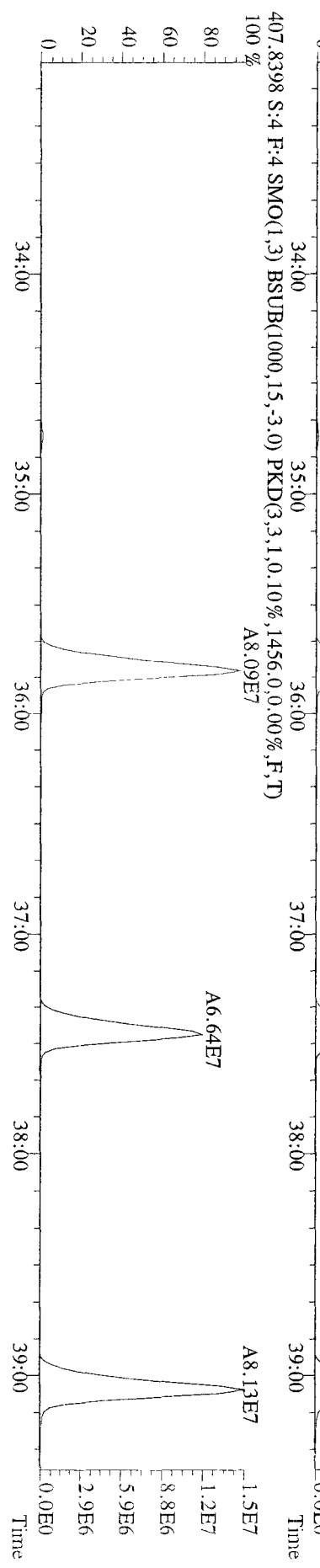
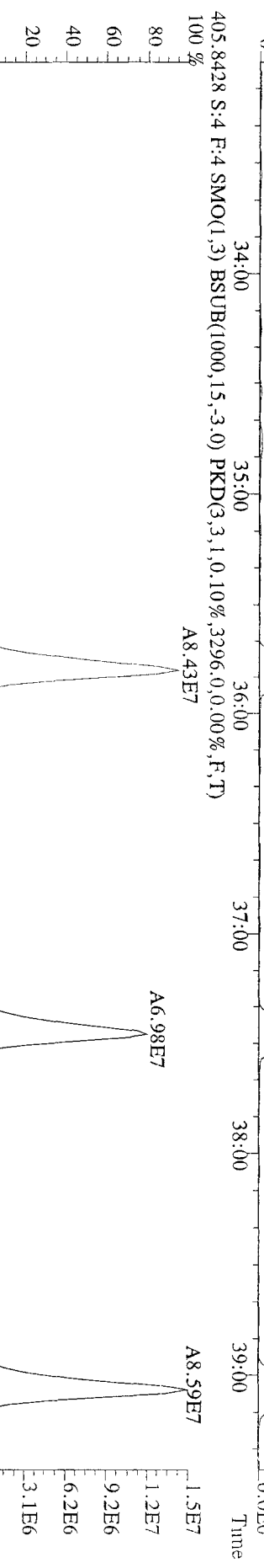
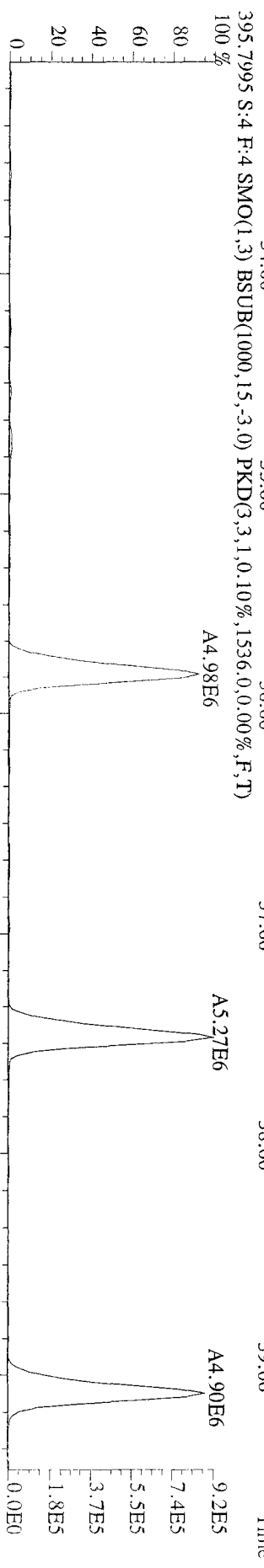
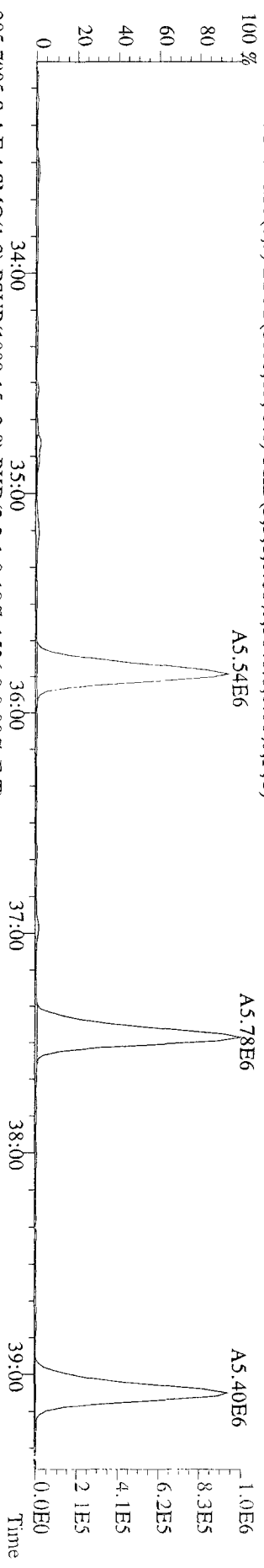
Analyst ME Date 7/16/09



File:091109E9D5 #1-593 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 393.8025 S:4 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3.3,1.0,10%,4552.0,0.00%,F,T)  
 100 %

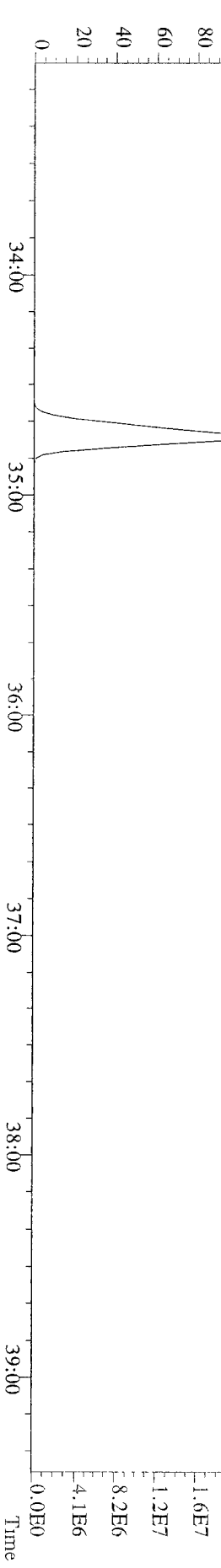
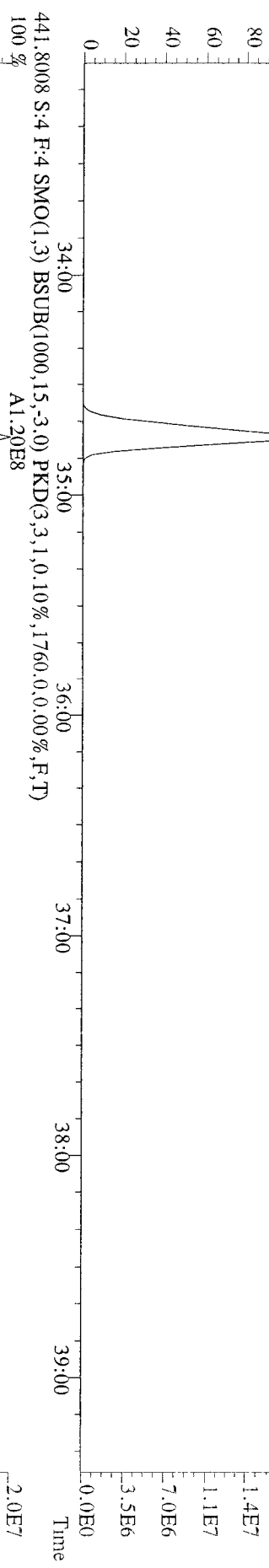
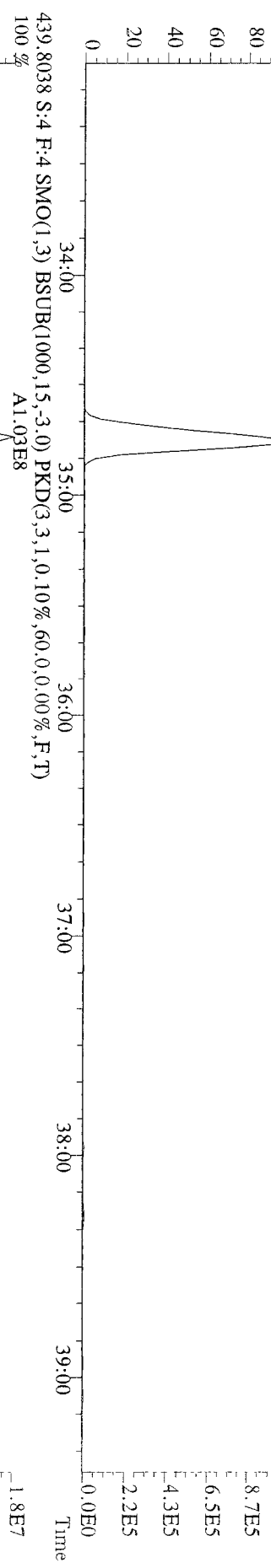
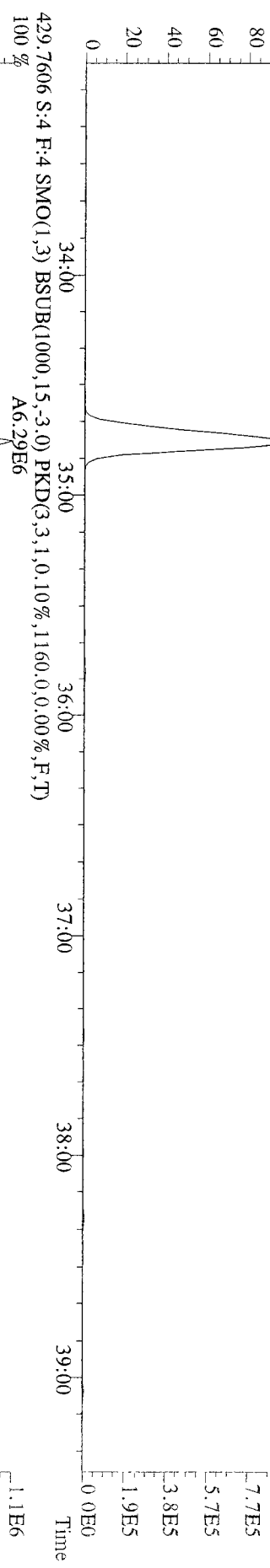


File: 091L09E9D5 #1-390 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST0709C :CS2 09DXN206 Exp: 209DB5  
 393.8025 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5640,0,0,00%,F,T)  
 100%

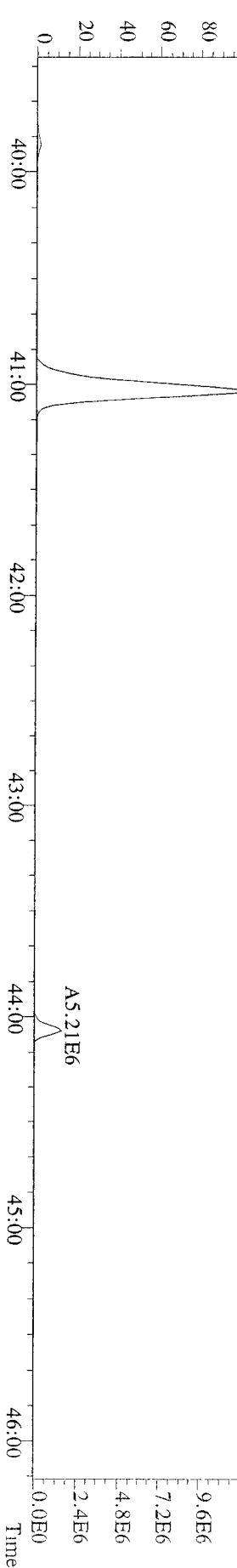
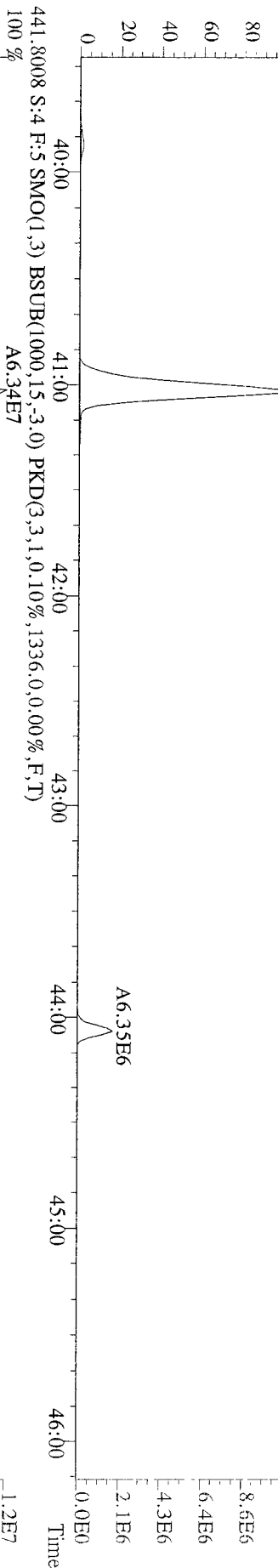
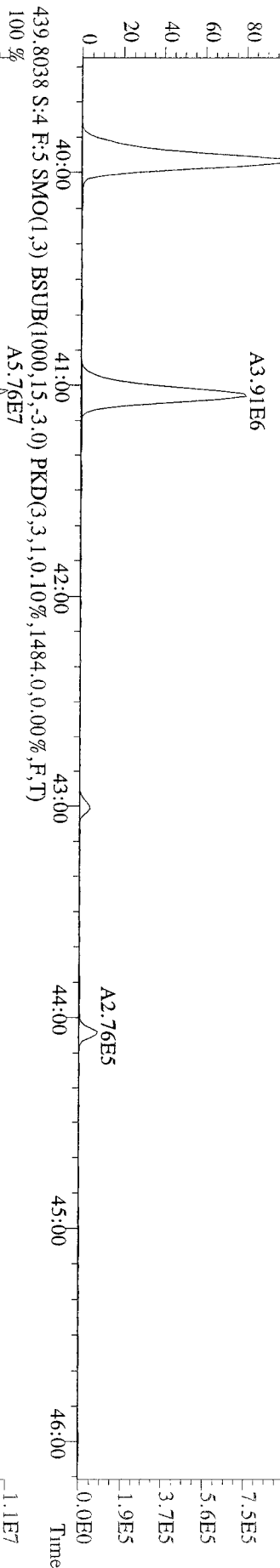
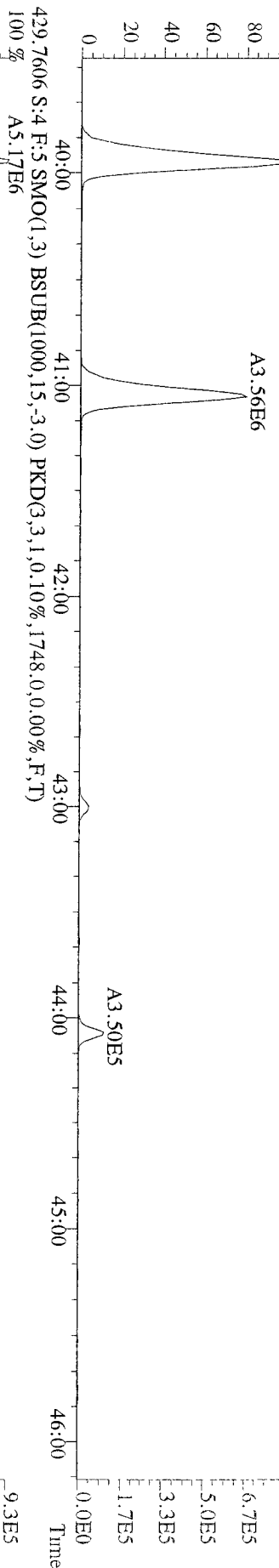




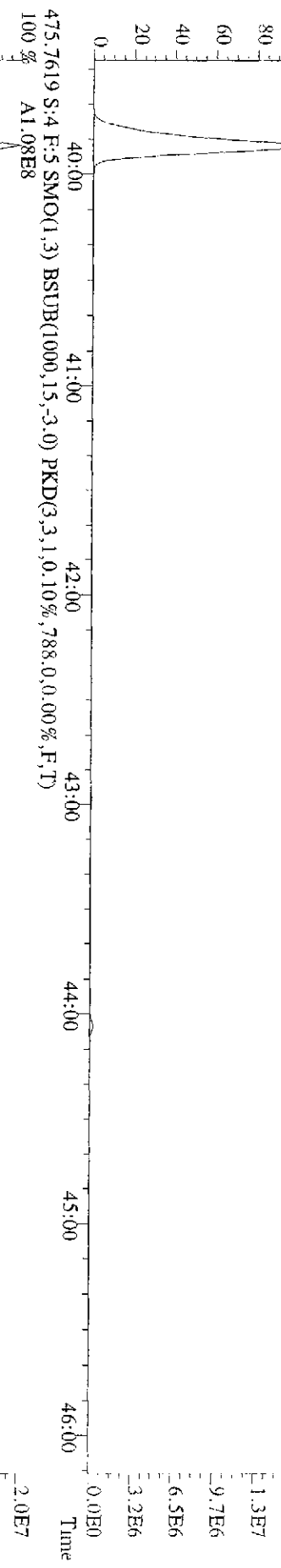
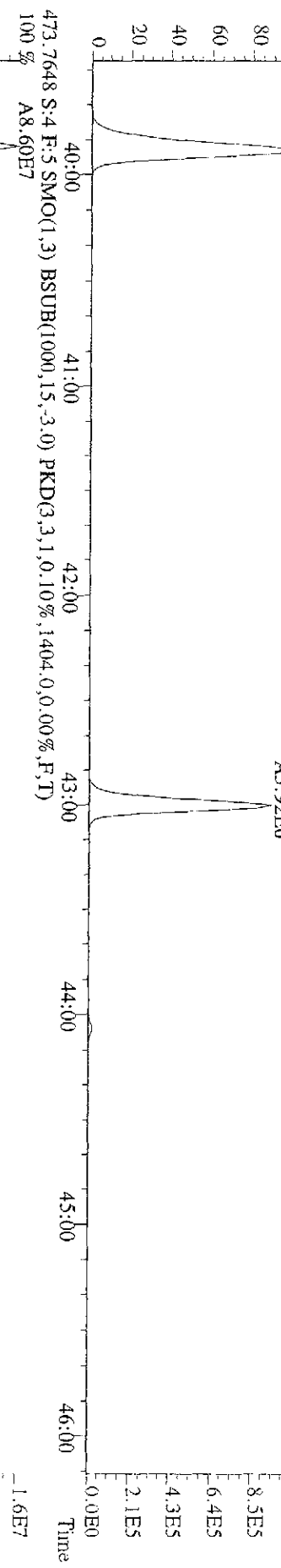
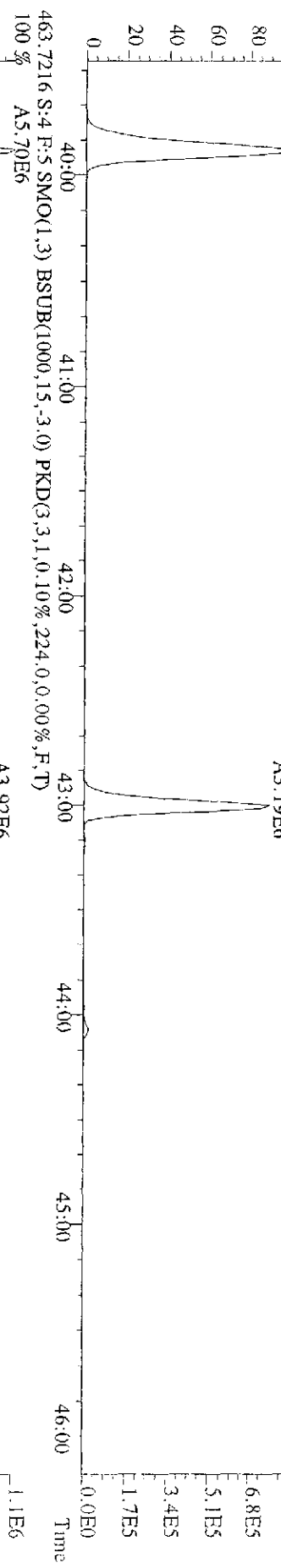
File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 427.7635 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,504.0,0.00%,F,T)  
 100% A5.61E6



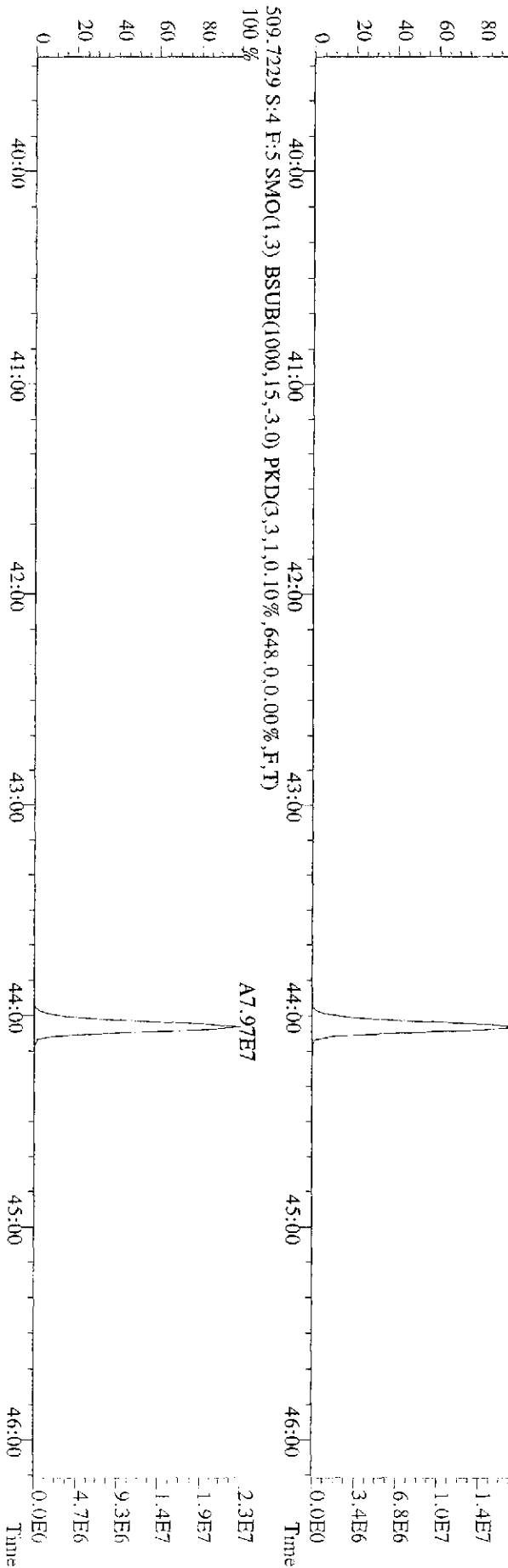
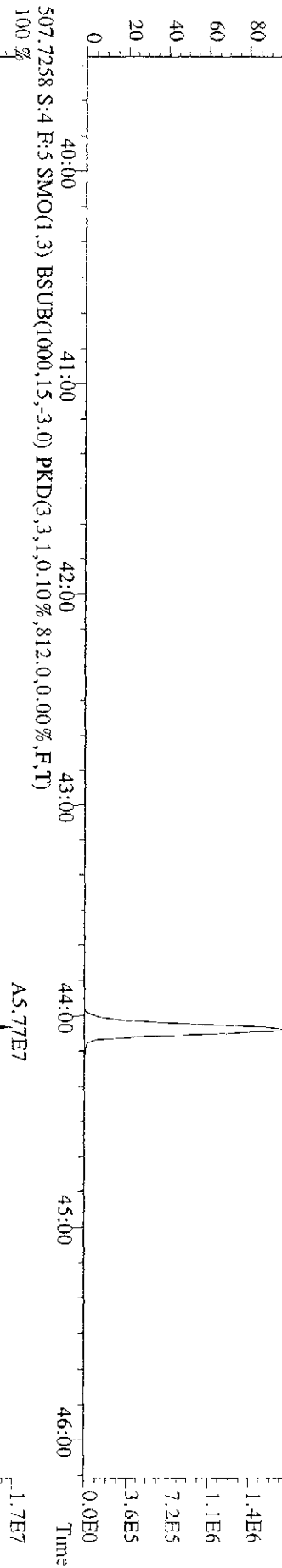
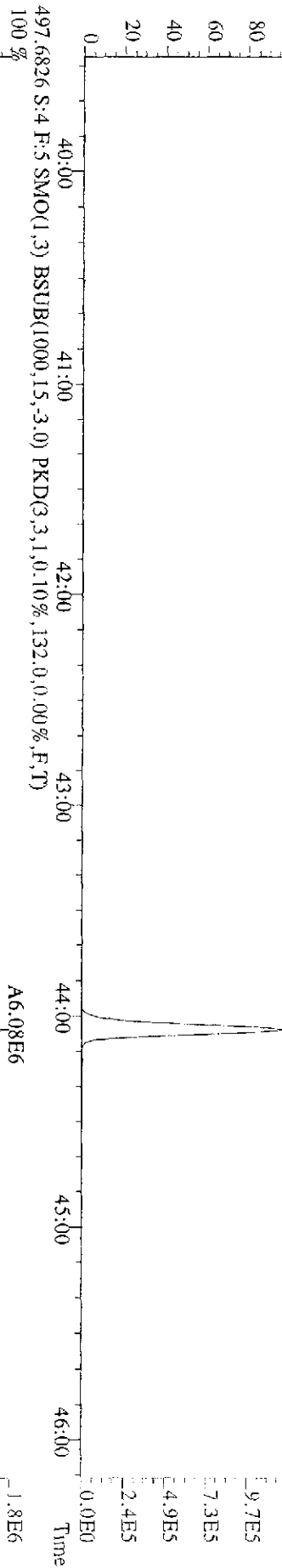
File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 427.7635 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,916,0,0,00%,F,T)  
 100% A4.67E6



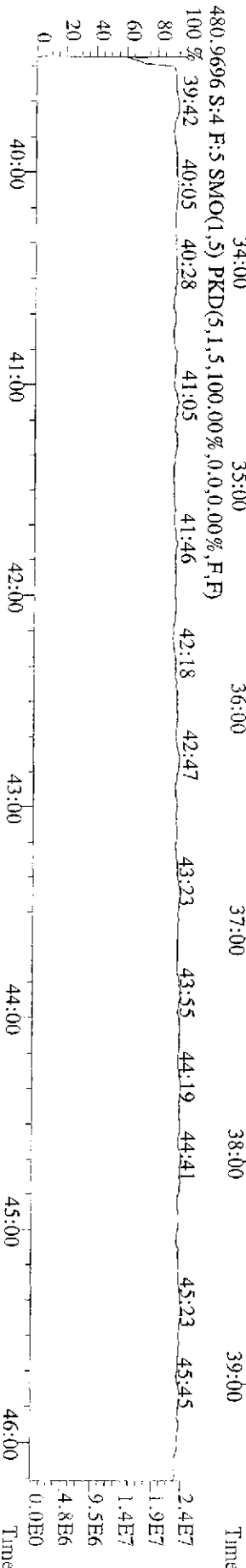
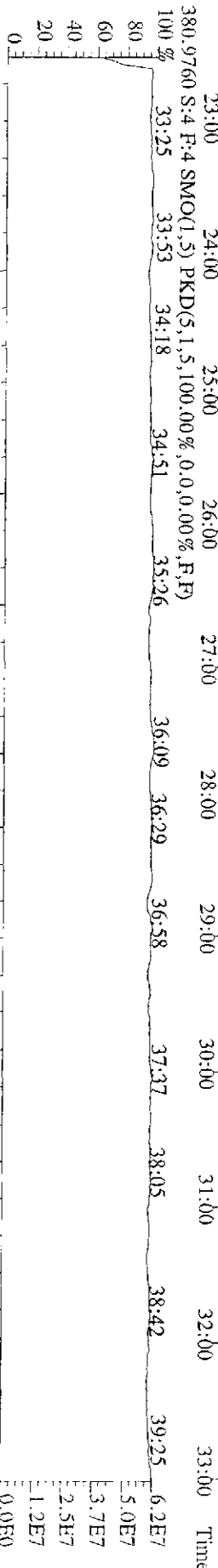
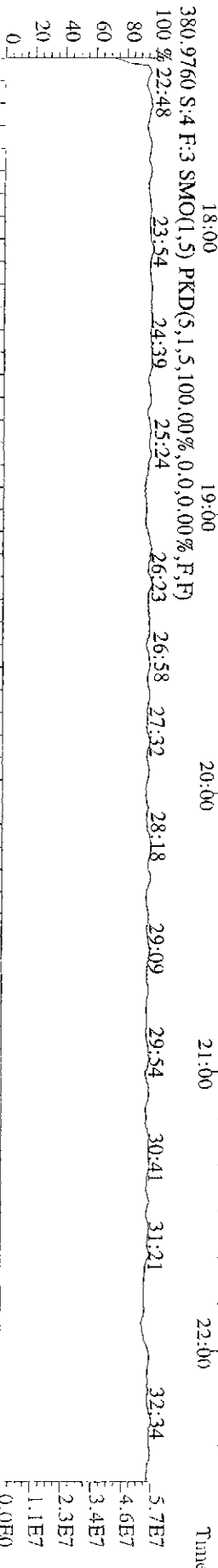
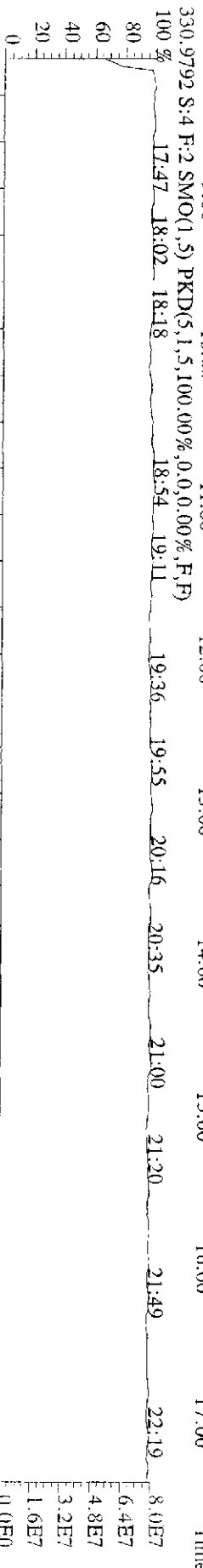
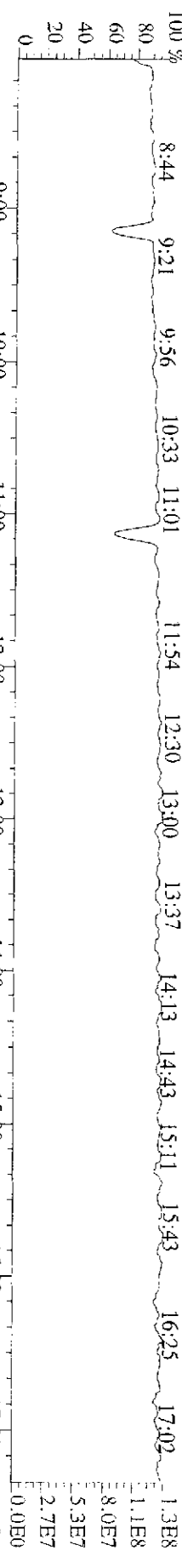
File:091L09E9D5 #1-447 Acq: 9-JUL-2009 22:05:42 GC BI+ Voltage SIR Autospec-UltimeE  
 Sample#4 Text:ST0709C :CS2 09DXNZ06 Exp:209DB5  
 461.7245 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,292.0,0.00%,F,T)  
 100% A4.54E6



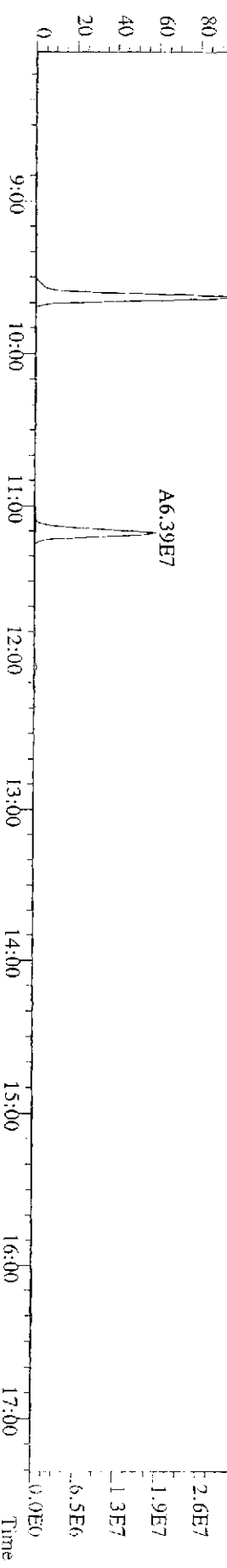
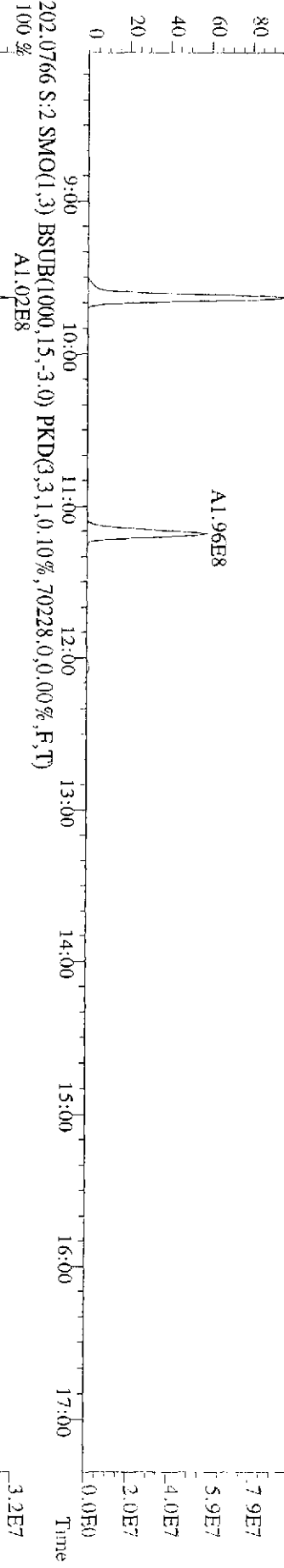
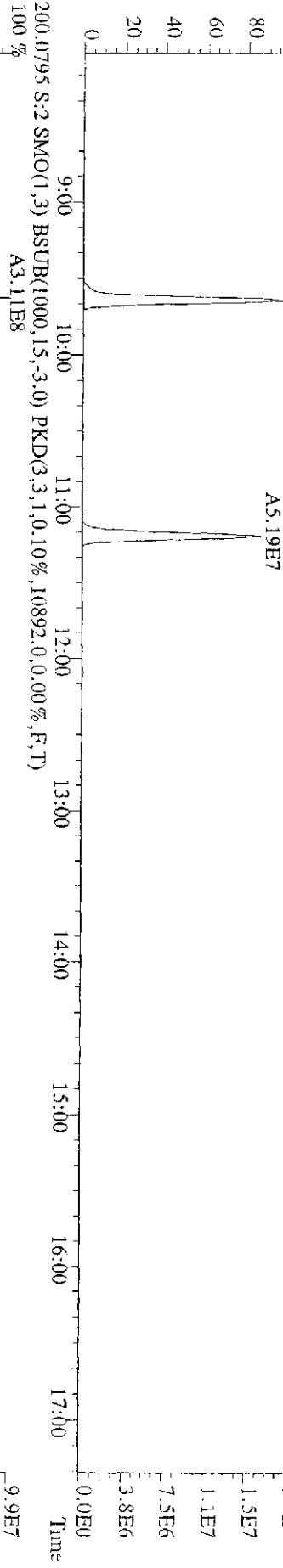
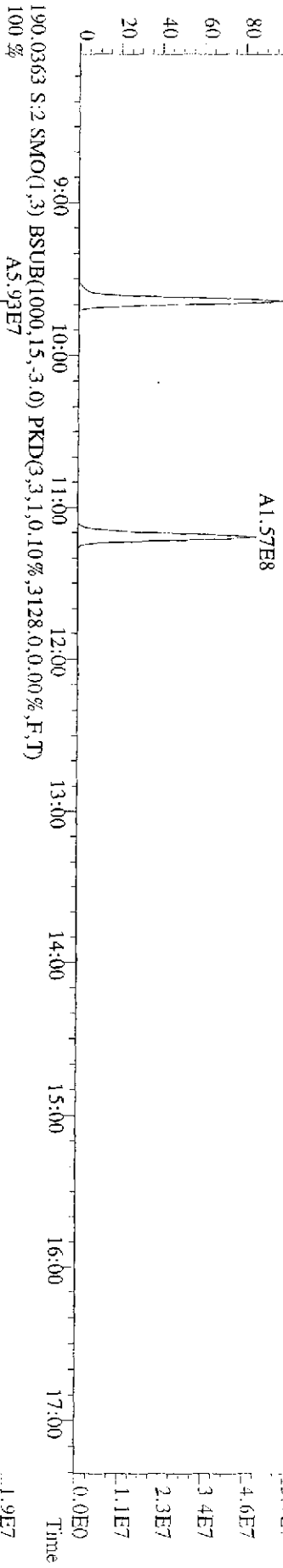
File:091L09E9D5 #1-447 Acq: 9-JUL-2009 22:05:42 GC E1+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209IDB5  
 495.6856 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,1196,0,0.00%,F,T)



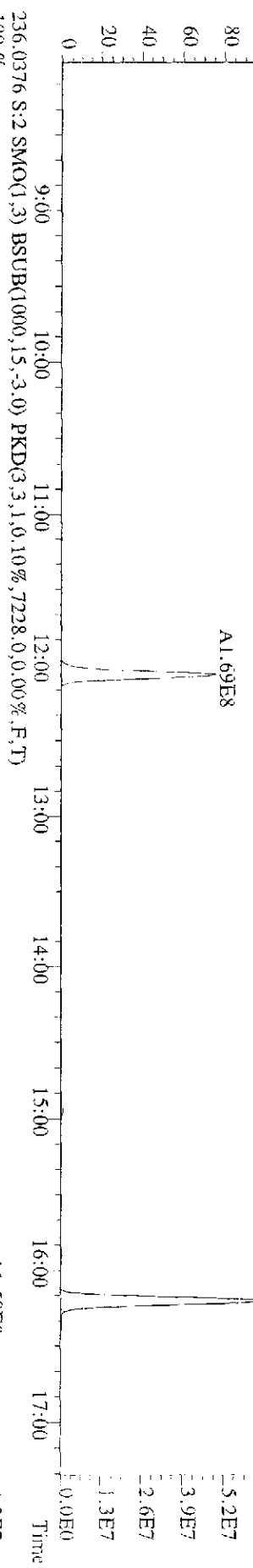
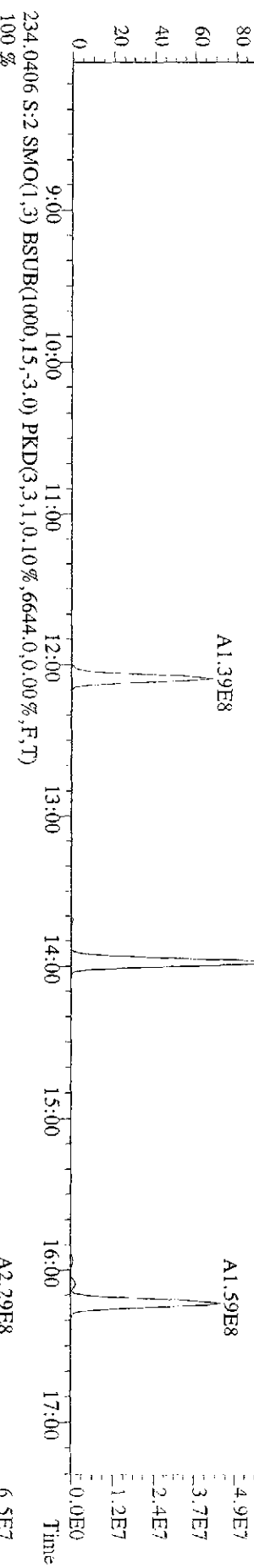
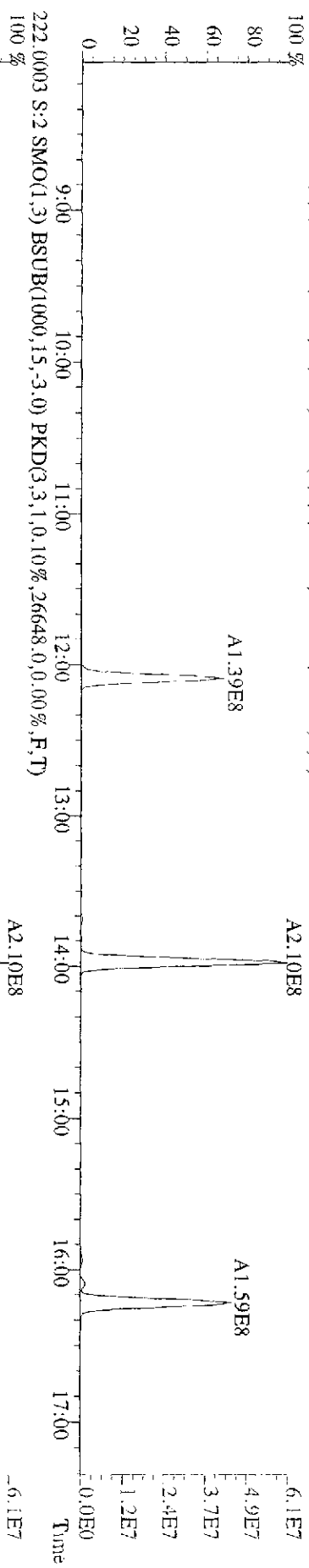
File:09JUL09E9D5 #1-633 Acq: 9-JUL-2009 22:05:42 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST0709C :CS2 09DXN206 Exp:209DB5  
 218.9856 S:4 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



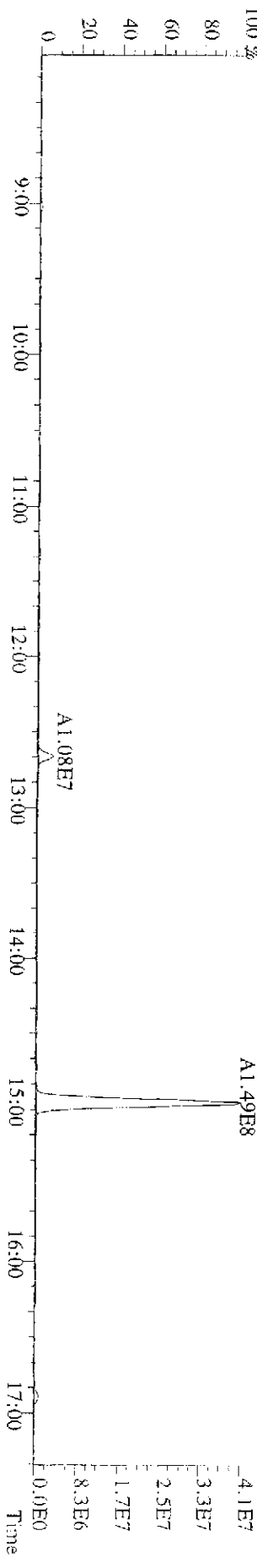
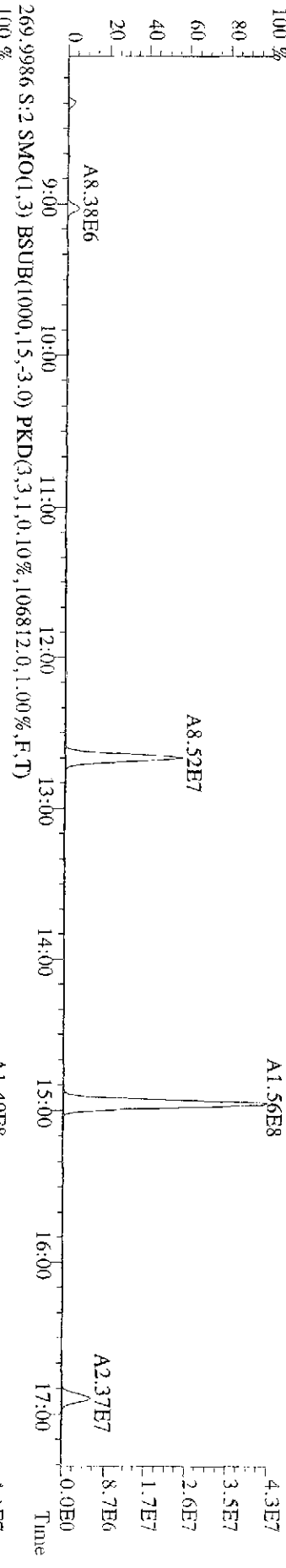
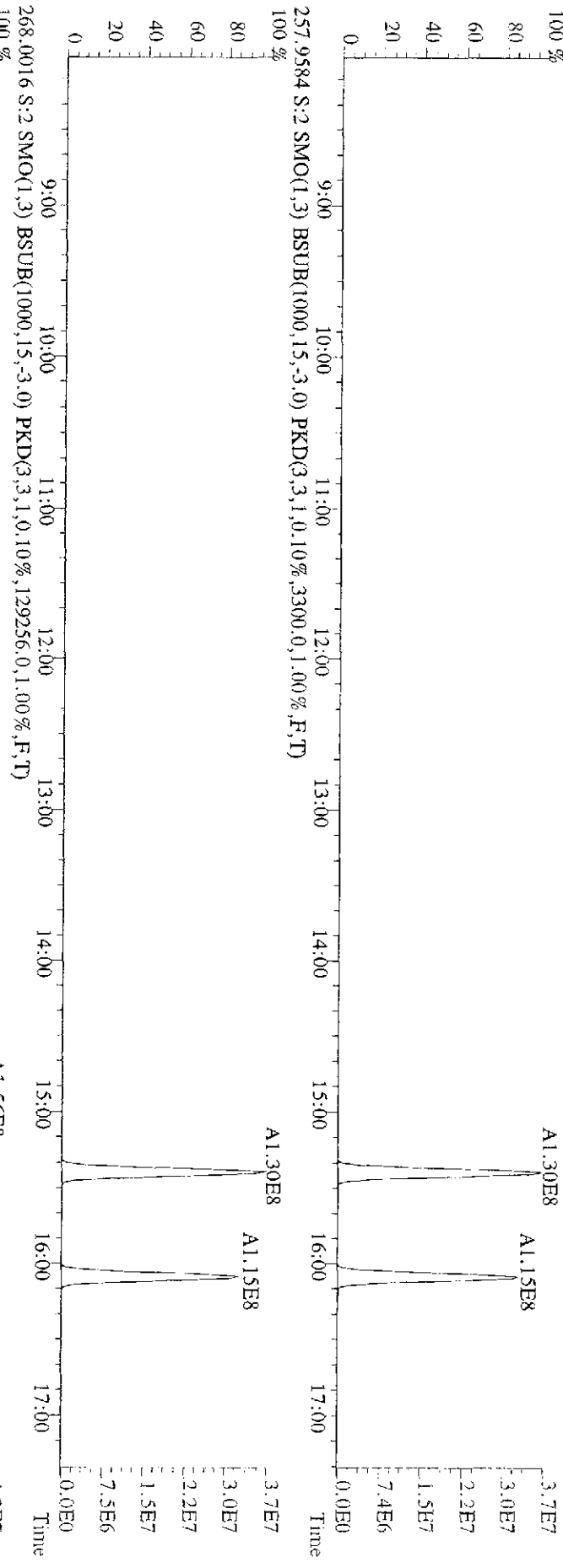
File:091L09E9D5 #1-633 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 188.0393 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5844,0,0.00%,F,T)  
 100% A1.80E8



File:091L09E9D5 #1-633 Acq: 9-JUL-2009 20:19:51 GC FI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXNZ07 Exp:209DB5  
 222.0003 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,26648,0,0,00%,F,T) 100%

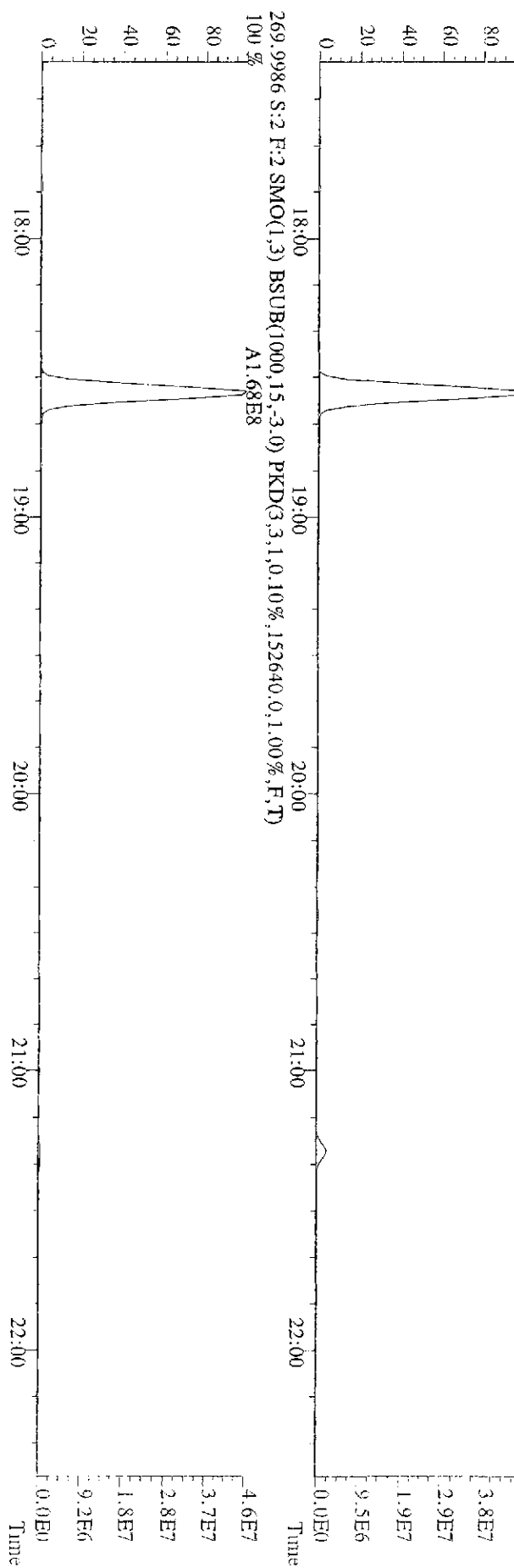
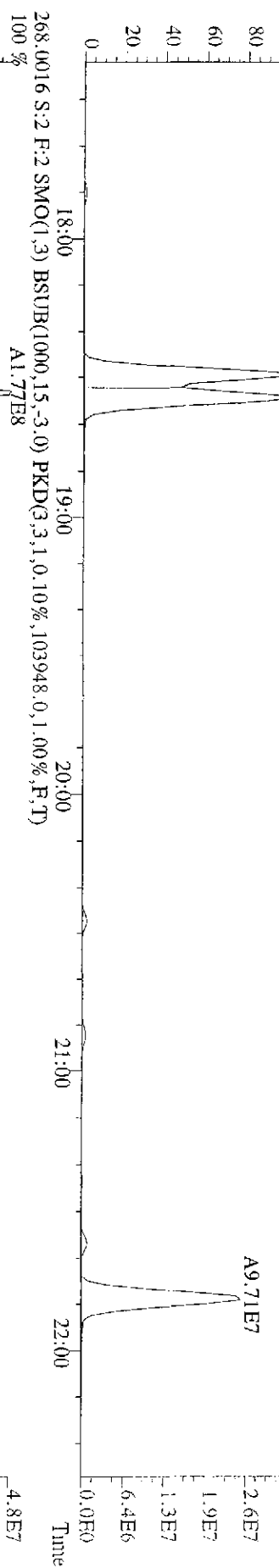
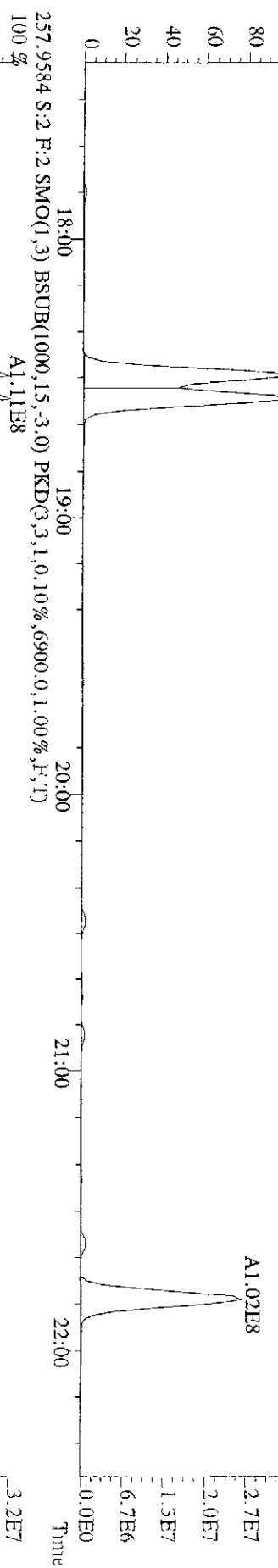


File:09JUL09E9D5 #1-633 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 255.9613 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,8188,0,1,00%,F,T)

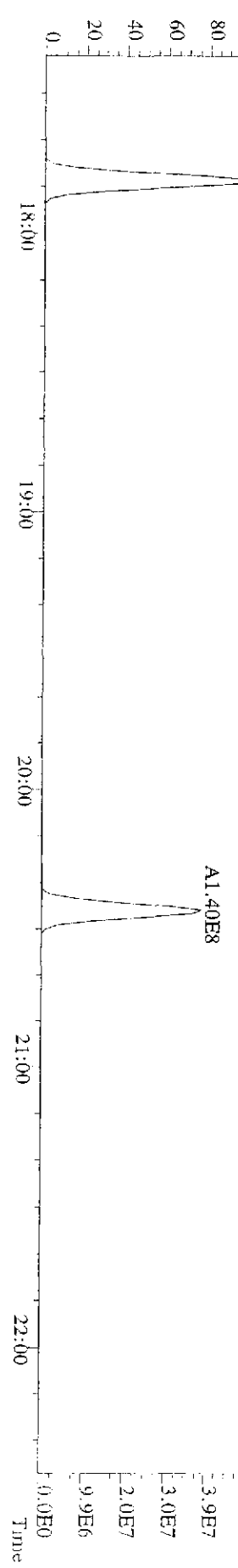
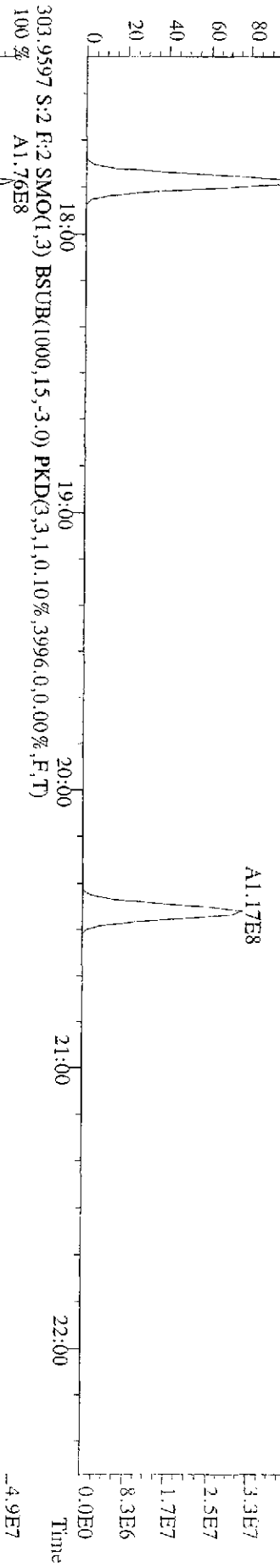
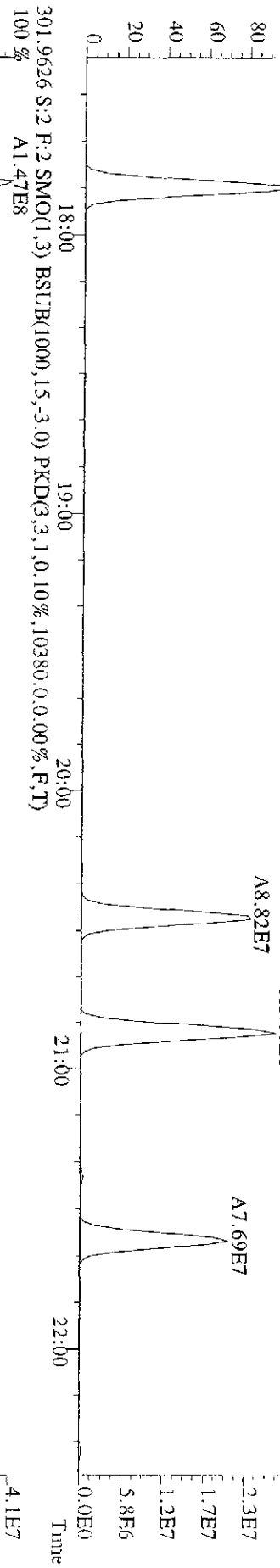
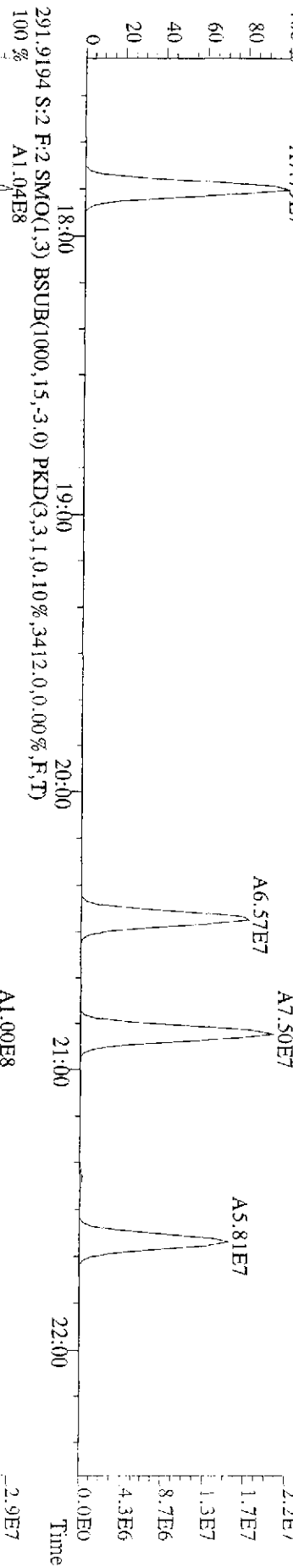




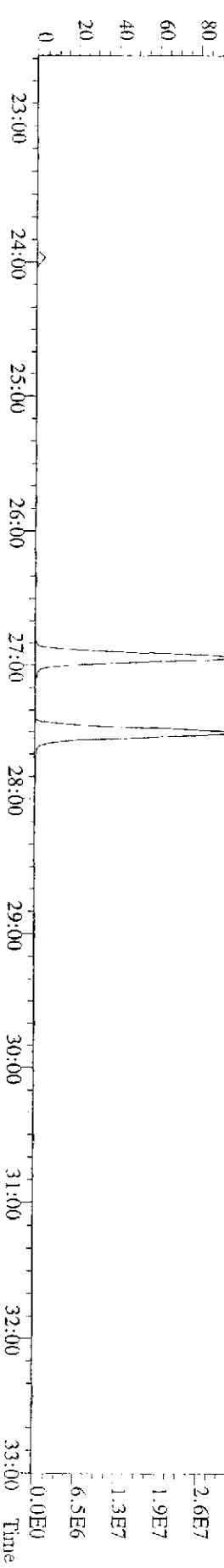
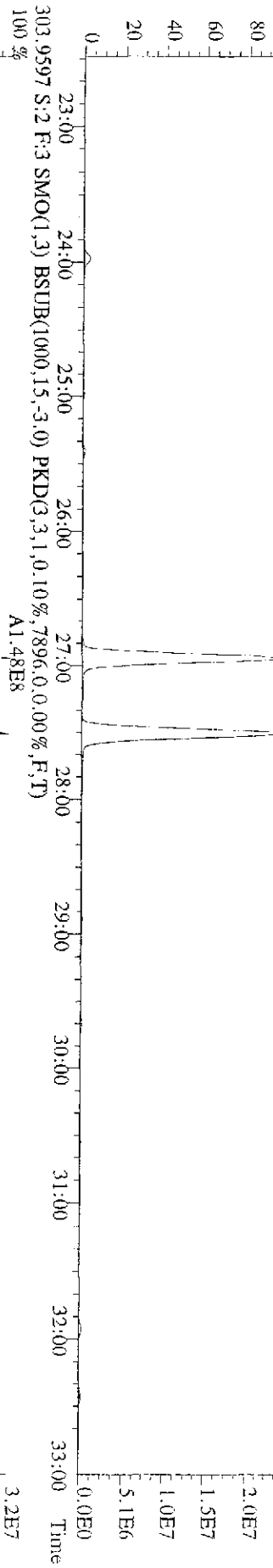
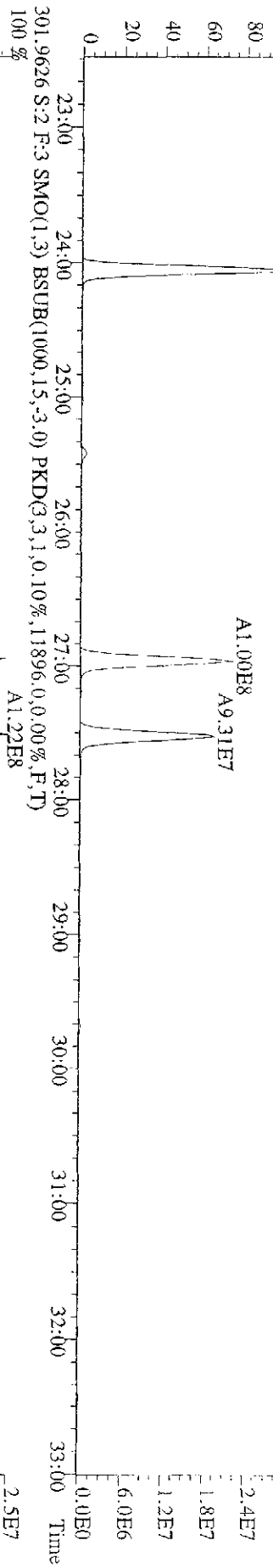
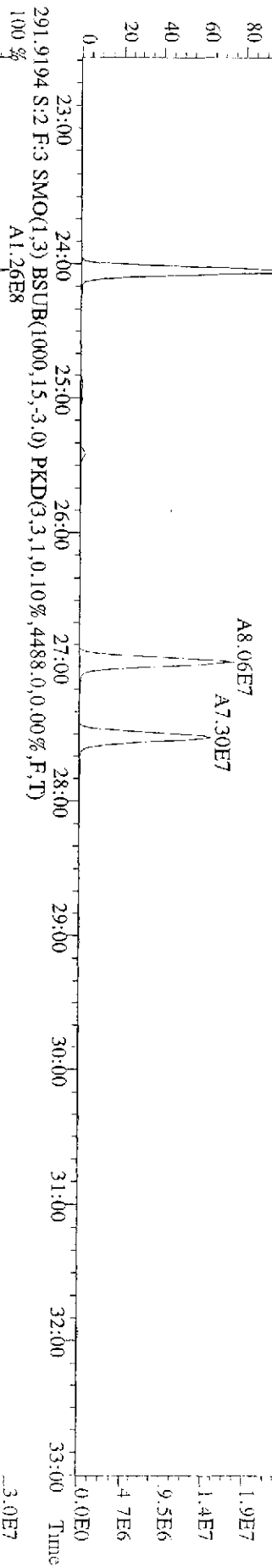
File:09JUL09E9D5 #1-371 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 255.9613 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,10368.0,1.00%,F,T)  
 100 % A1.17E8



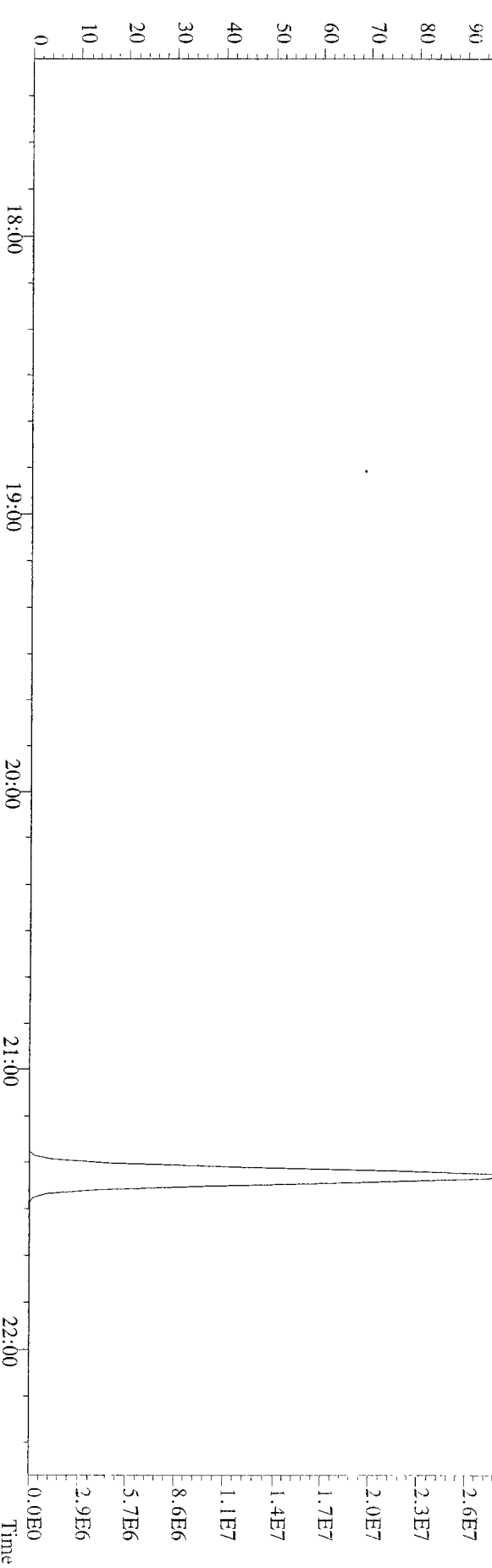
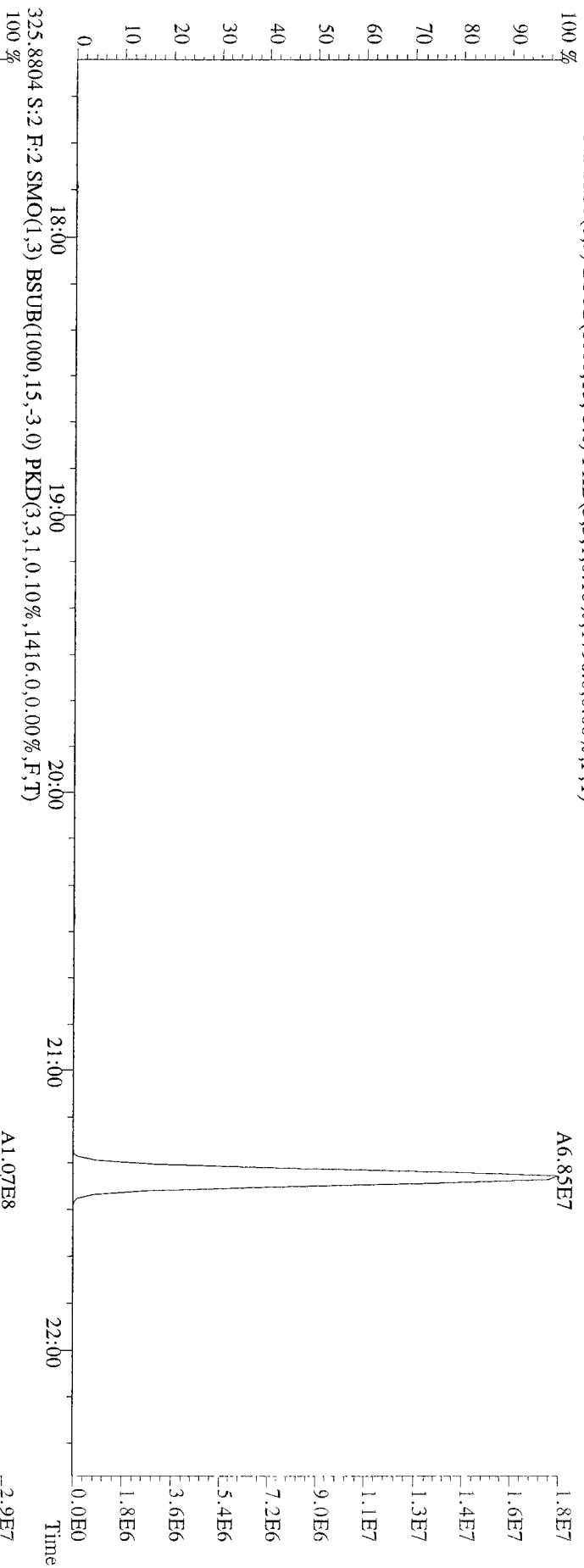
File:09JL09E9D5 #1-371 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#2 Texc:ST0709A :CS3 09DXN207 Exp:209DB5  
 289.9224 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1768.0,0.00%,F,T)  
 100% A7.79E7

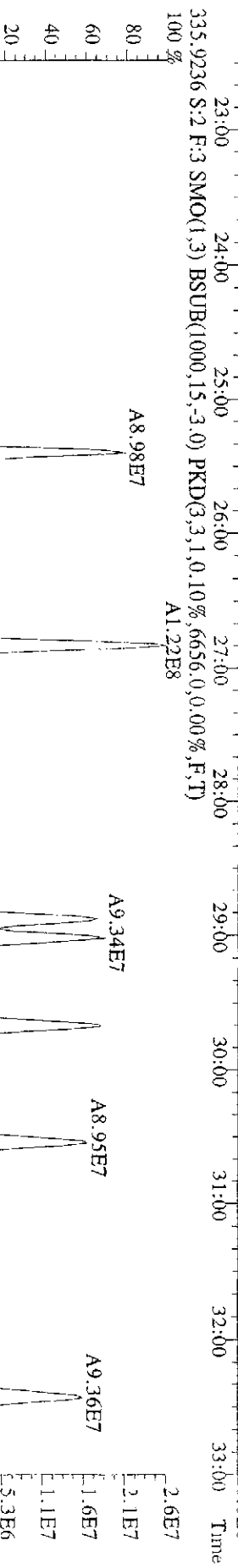
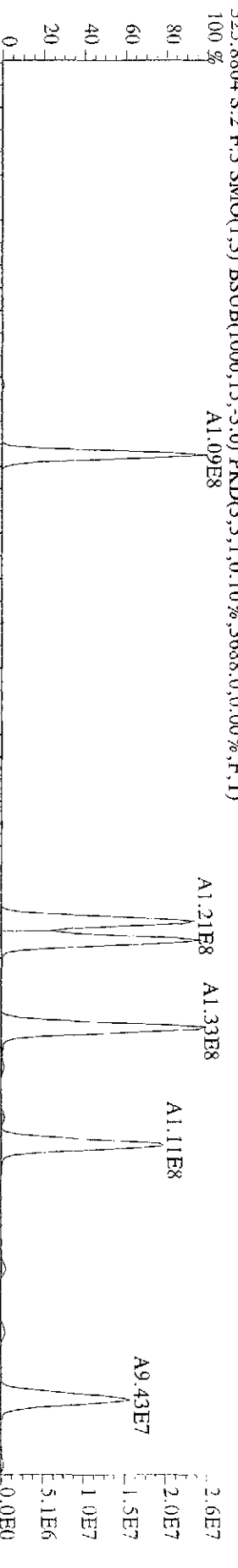
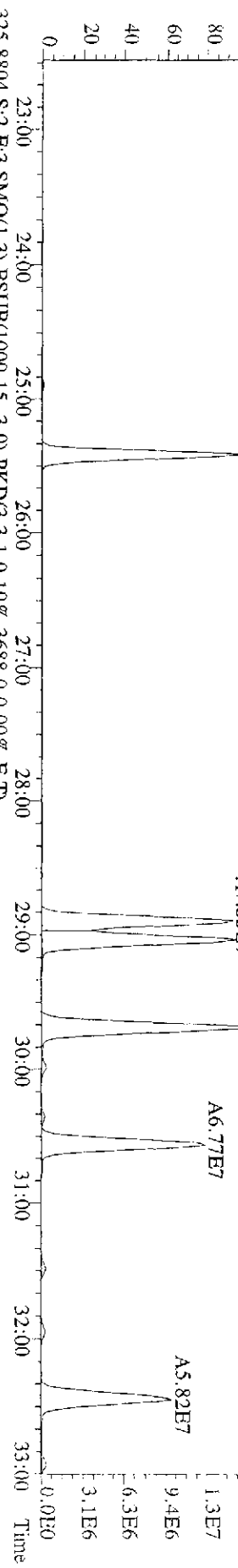


Title: 09JL09E9D5 #1-593 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST0709A :CS3 09DXN207 Exp: 209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,6284,0.0,0.00%,F,T)  
 100% A9.97E7

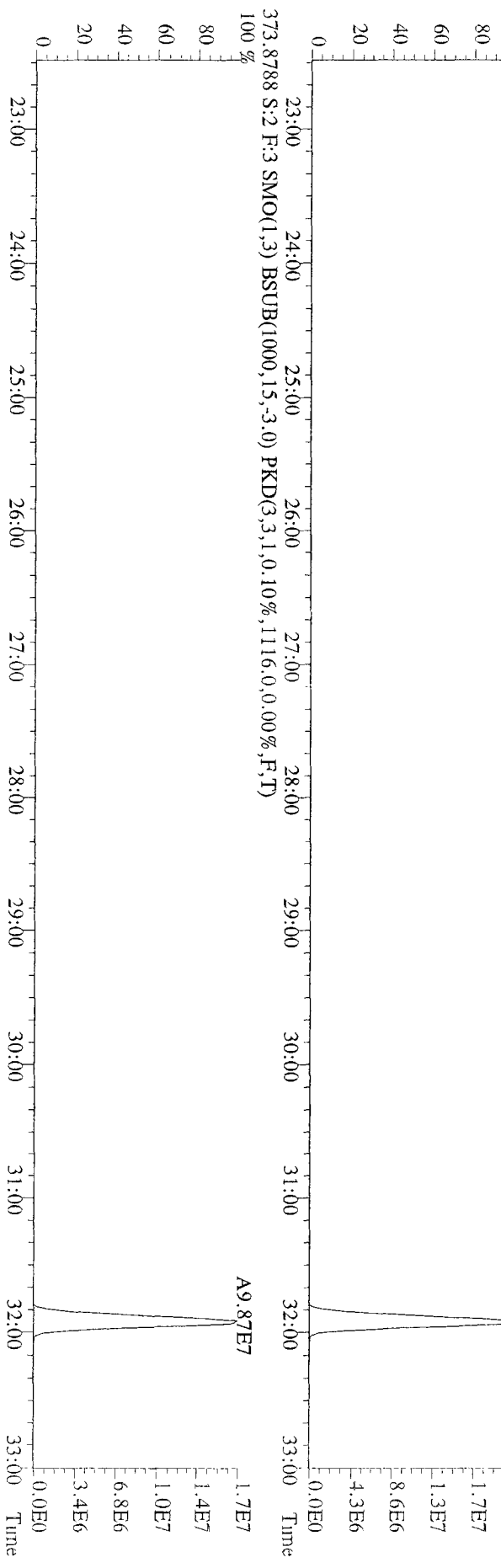
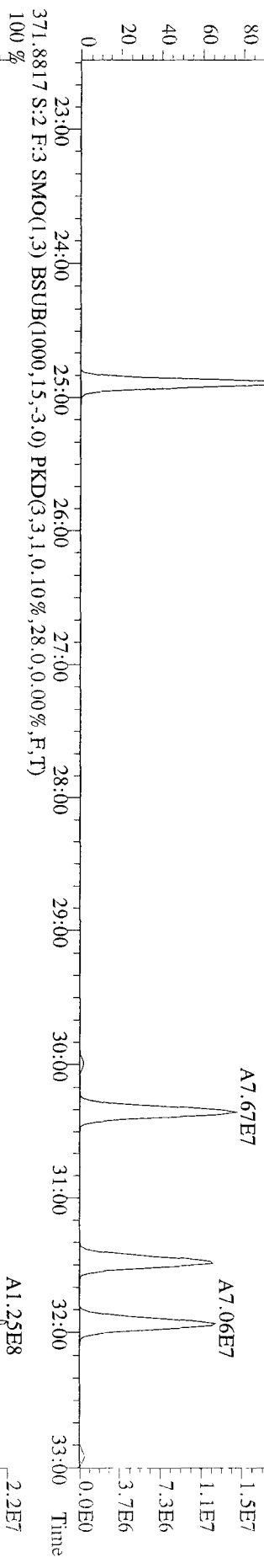
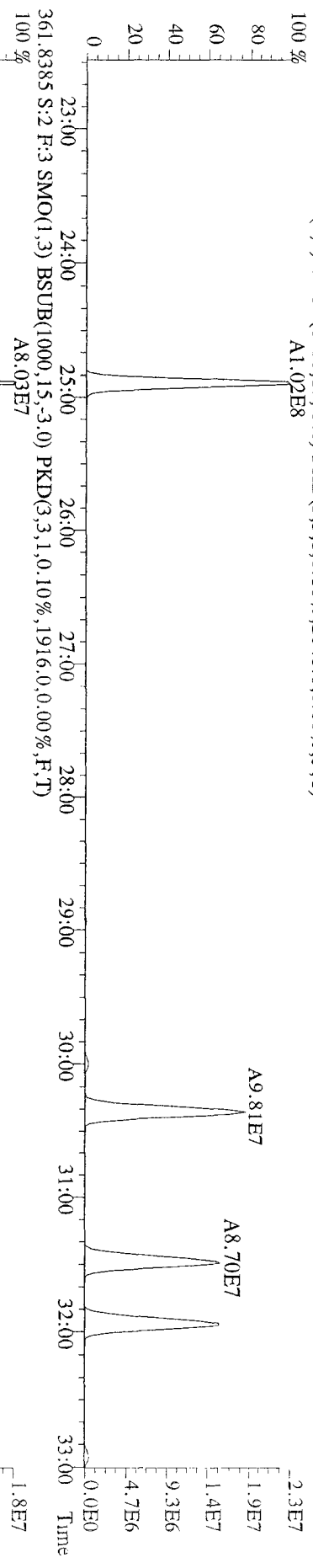


File:091L09E9D5 #1-371 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
323.8834 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1796.0,0.00%,F,T)

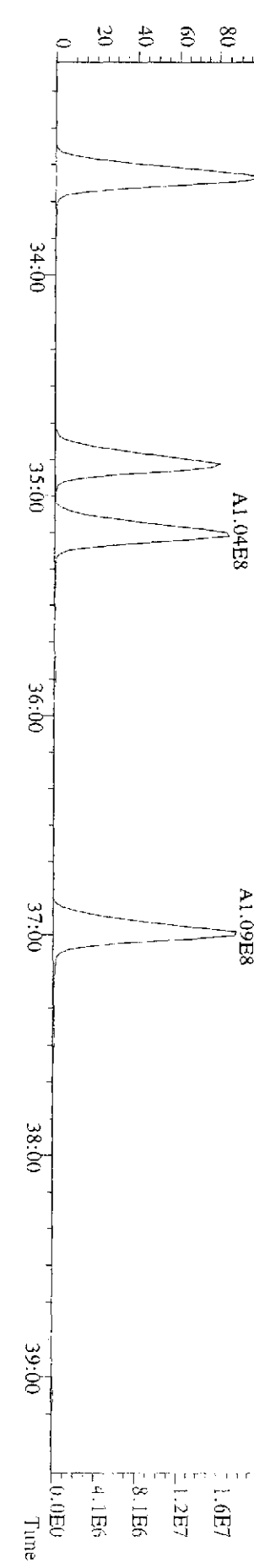
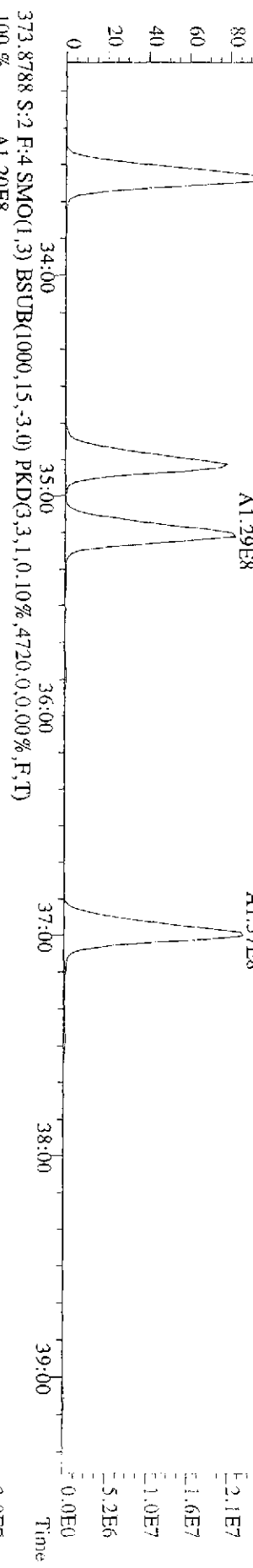
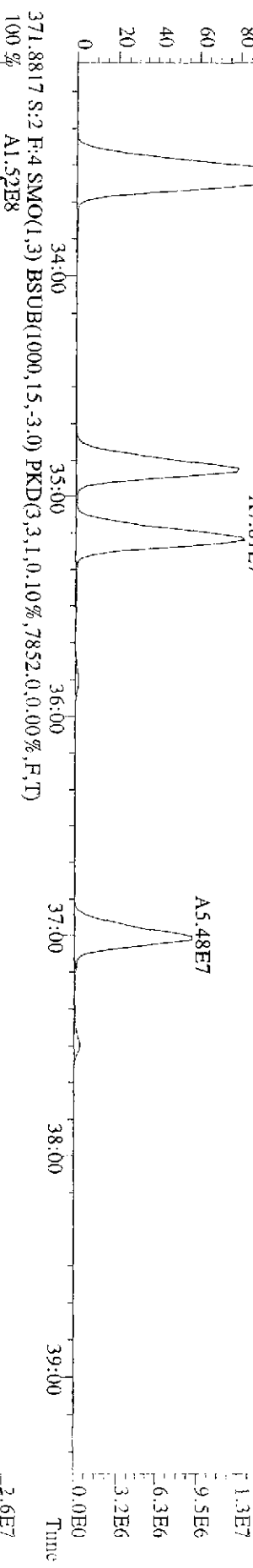
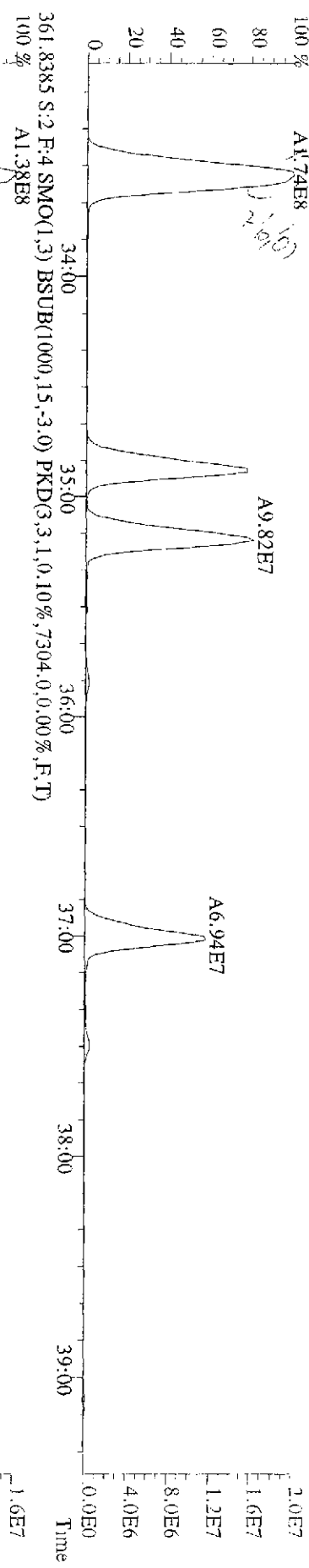




File:091L09E9D5 #1-593 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 359.8415 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2048,0.0,0.00%,F,T)  
 100% A1.02E8



File:091109E9D5 #1-391 Acq: 9-JUL-2009 20:19:51 GC:EI+ Voltage:SLR Autospec-Ultimate  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,7188,0,0,00%,F,T)  
 100% A1.74E8



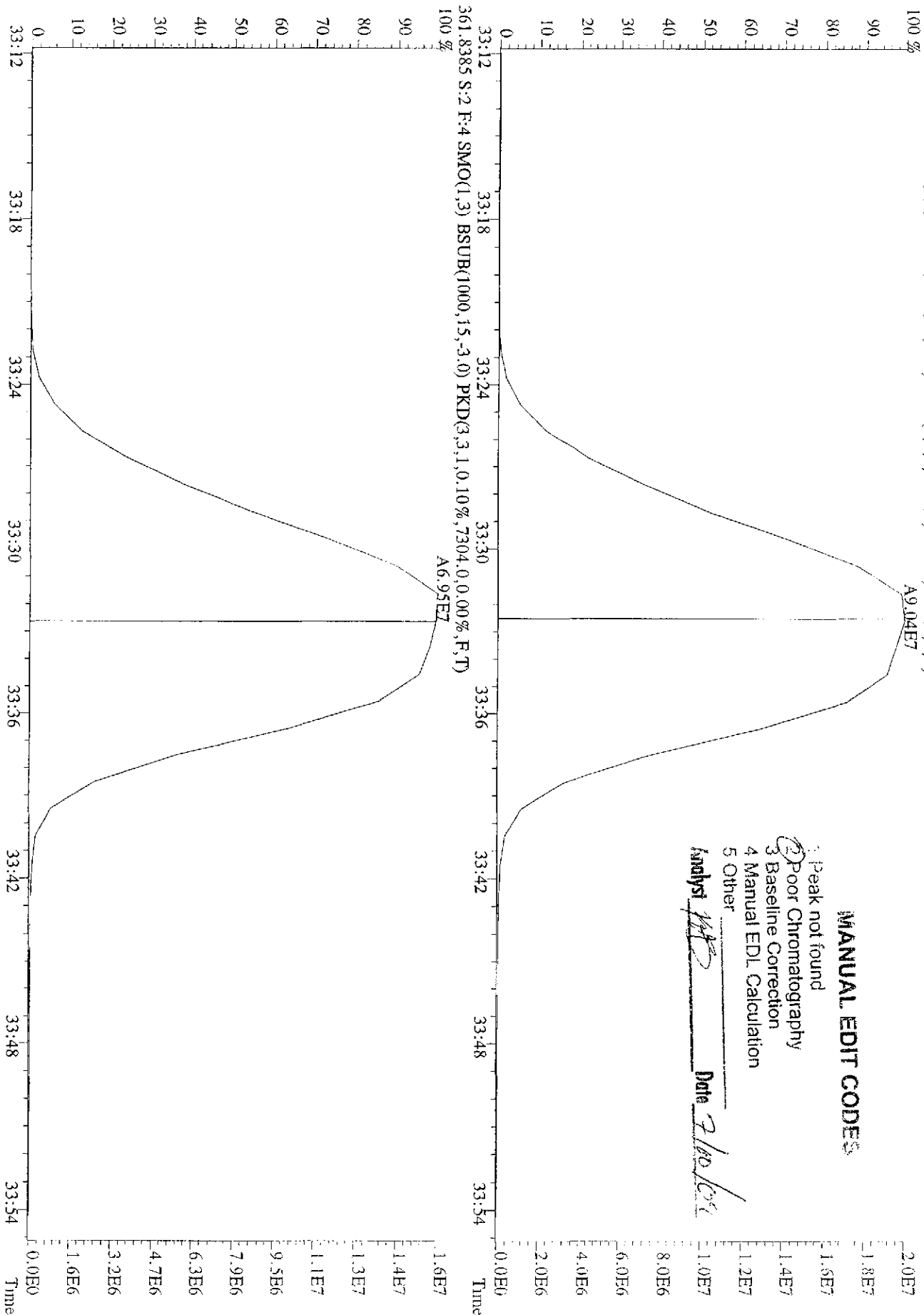
File:09JL09E9D5 #1-391 Acq: 9-JUL-2009 20:19:51 GC:EI+ Voltage:50V SIR Autospec-Ultimate  
 Sample#2 Text:STU709A :CS3 09DXN207 Exp:209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7188,0,0,0.00%,F,T)  
 100% A9.04E7

361.8385 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7304,0,0,0.00%,F,T)  
 100% A6.95E7

**MANUAL EDIT CODES**

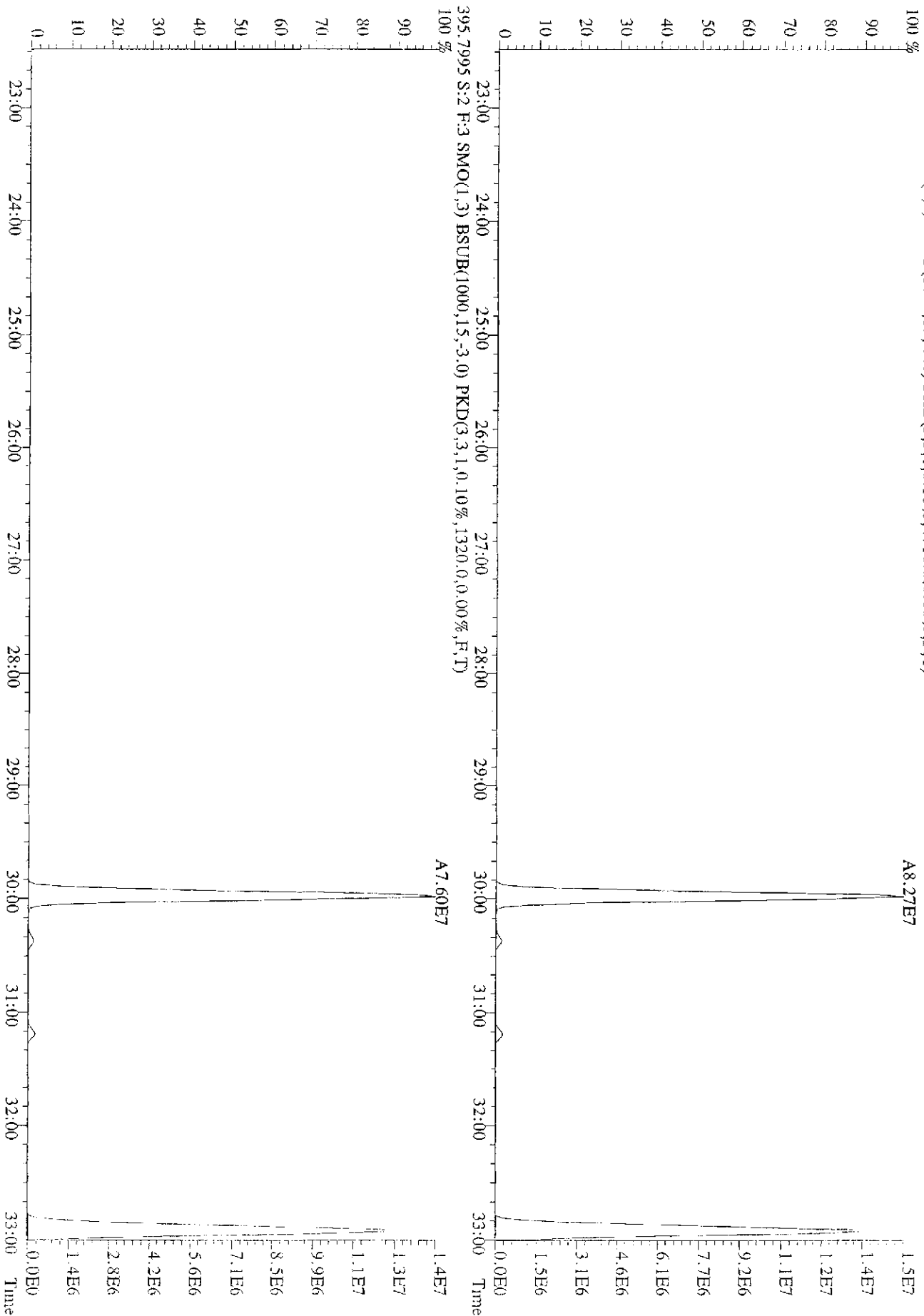
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst MS Date 2/10/09

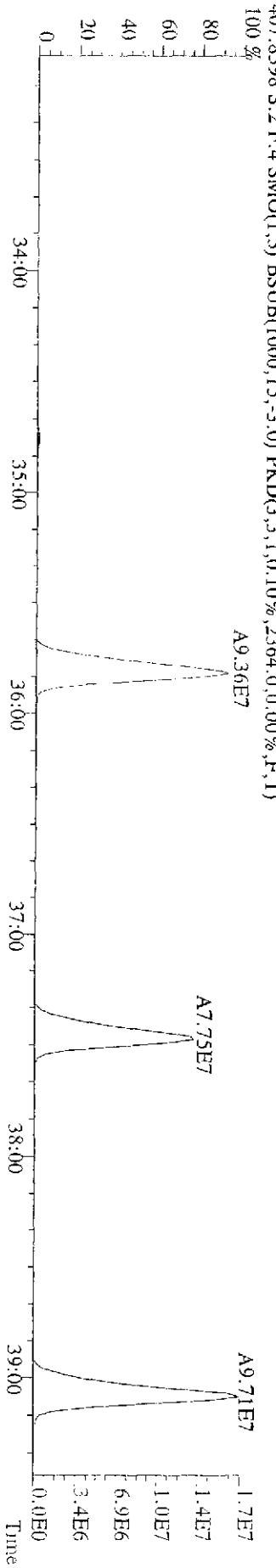
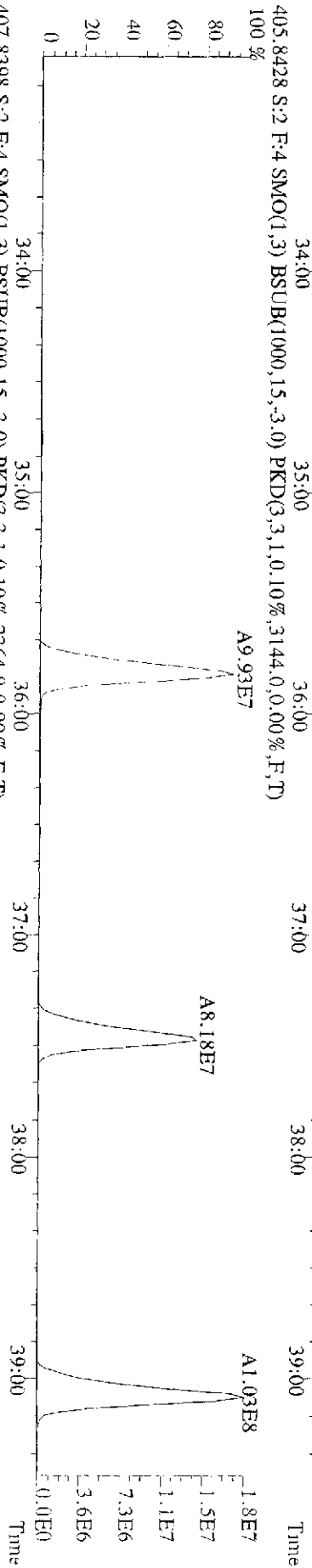
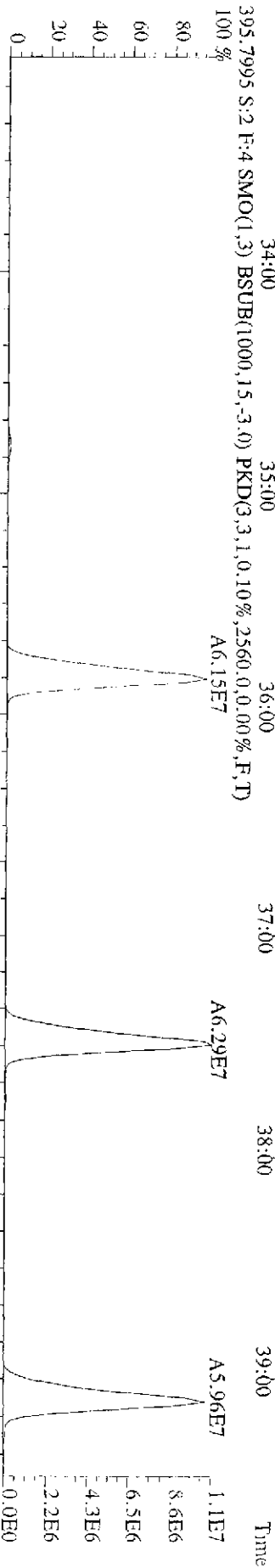
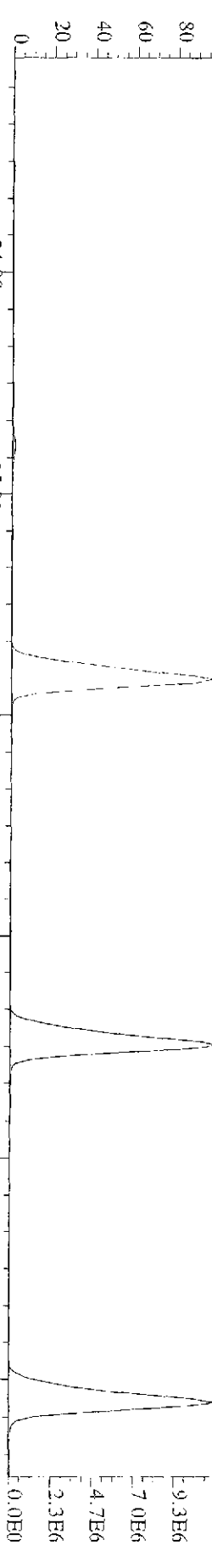




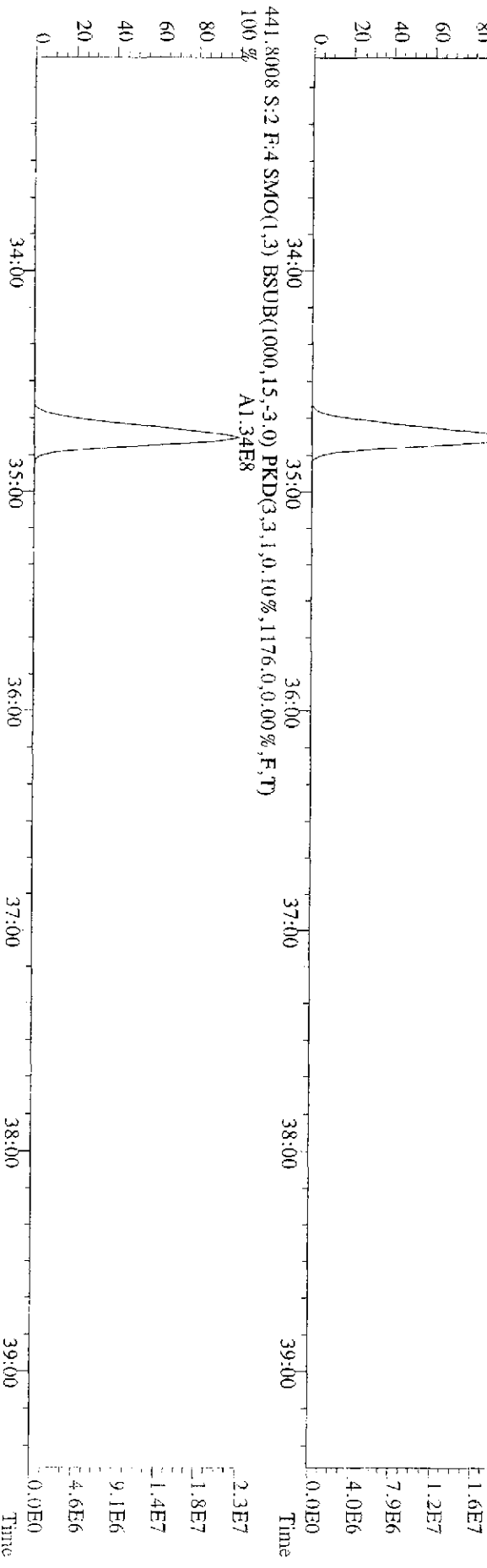
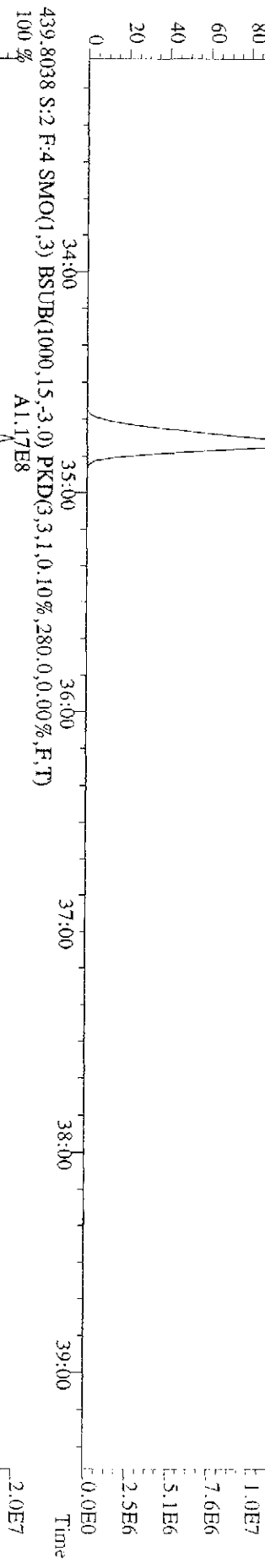
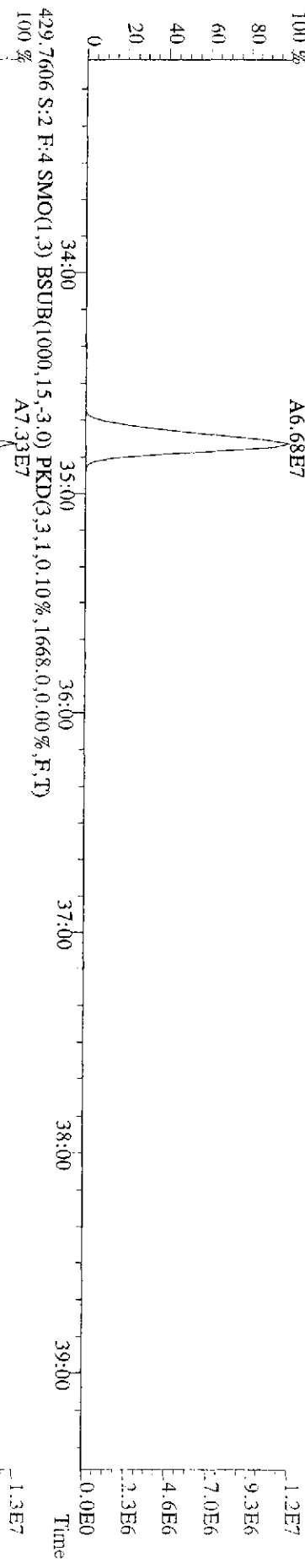
File:09JUL09E9D5 #1-593 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0709 A :CSS 09DXN207 Exp:209DB5  
 393.8025 S:2 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1320,0,0.00%,F,T)  
 100%



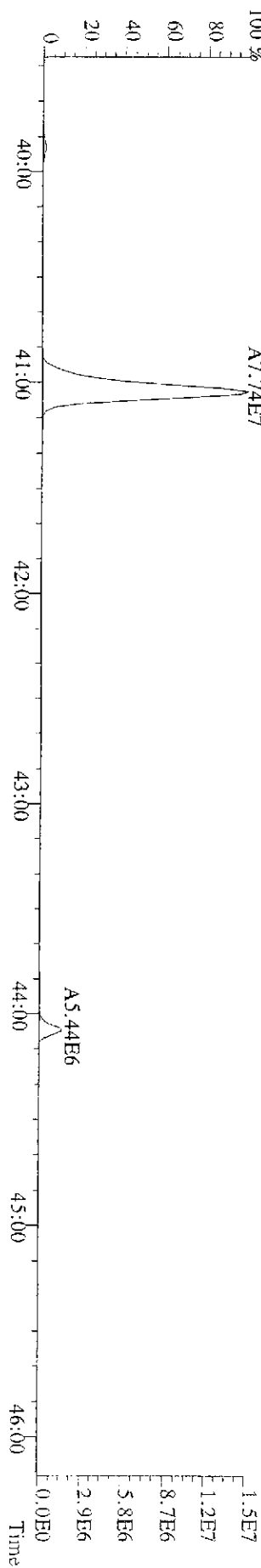
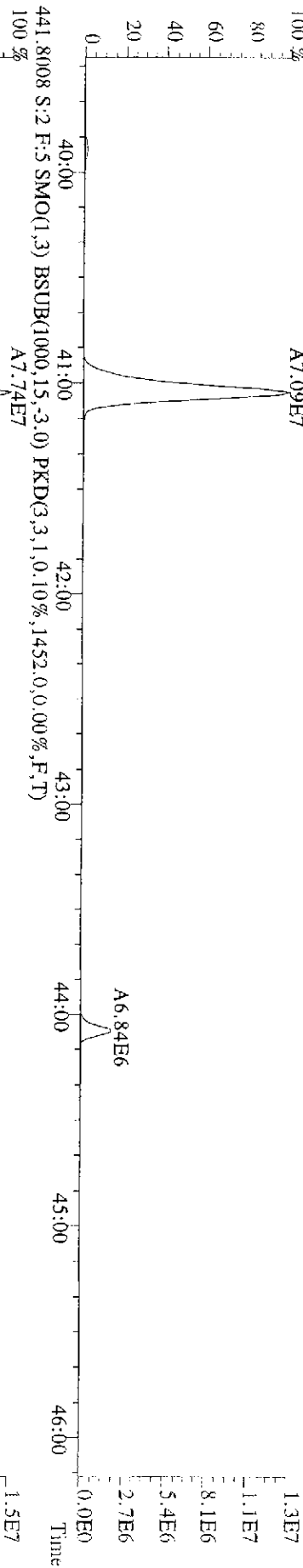
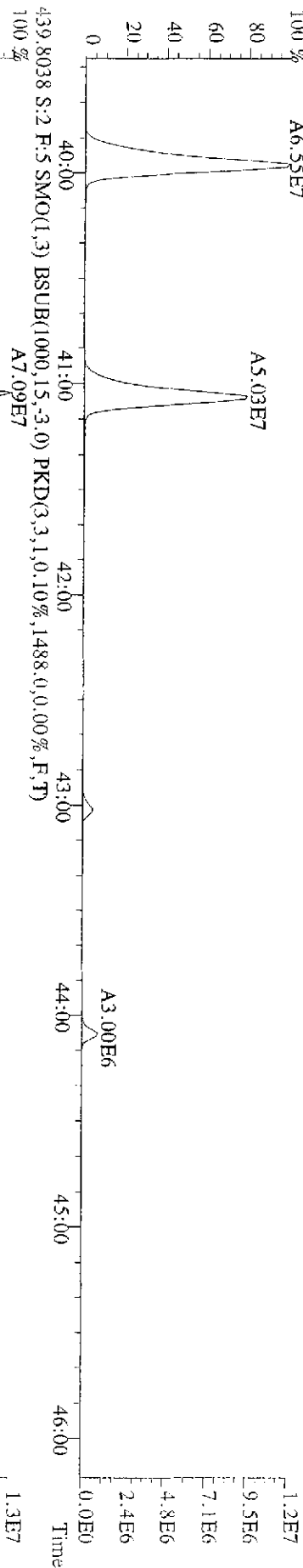
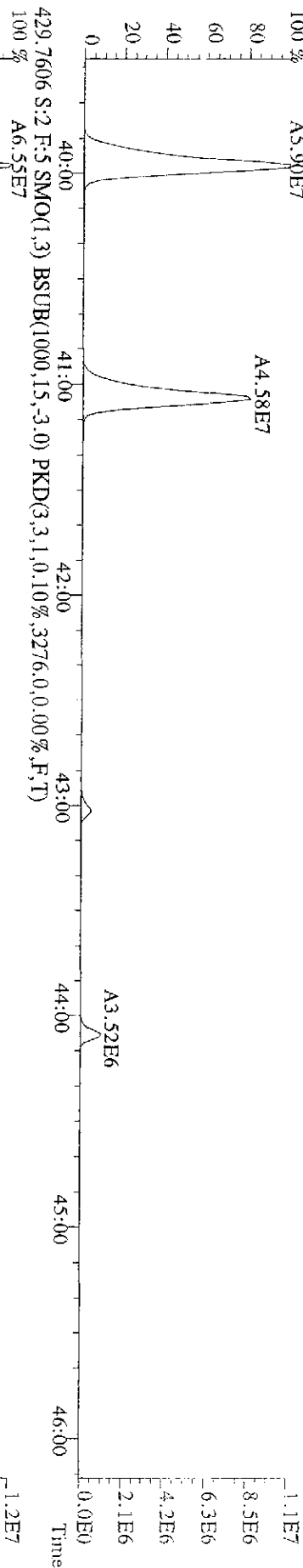
File:09L09E9D5 #1-391 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,7832,0,0.00%,F,T)



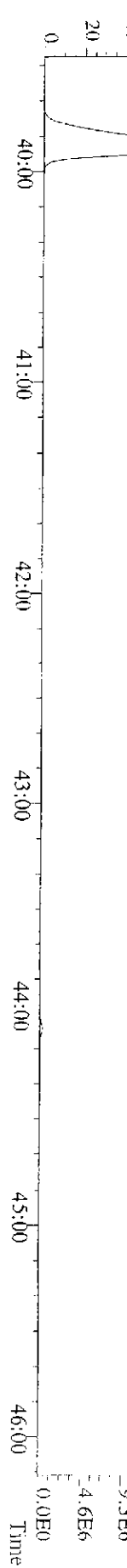
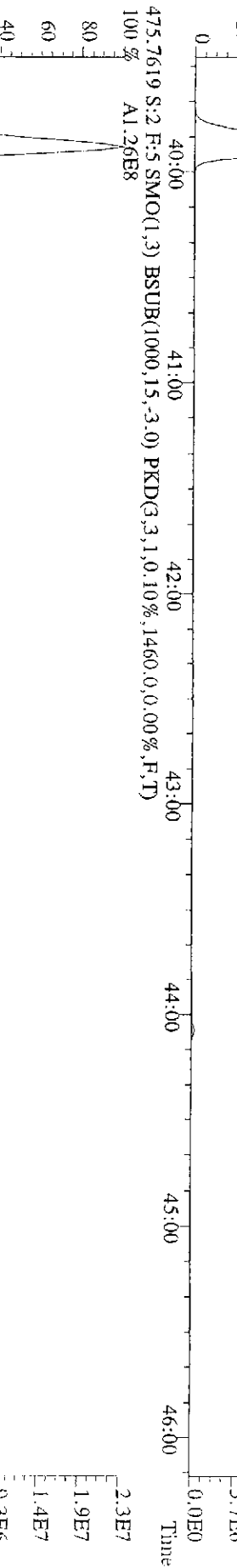
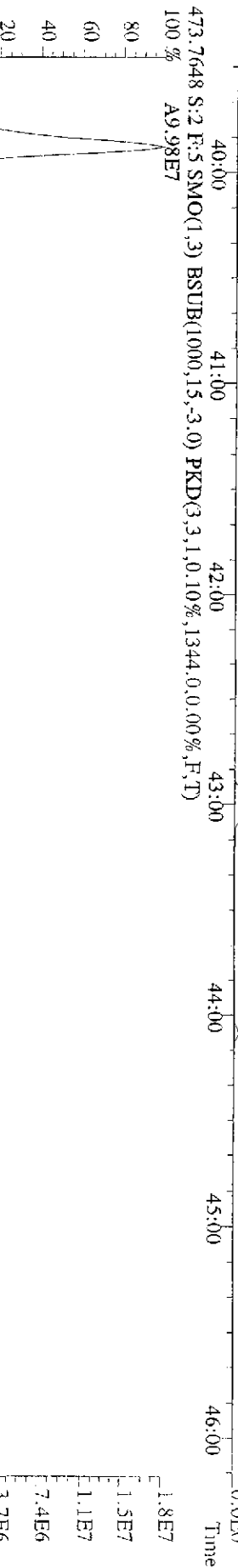
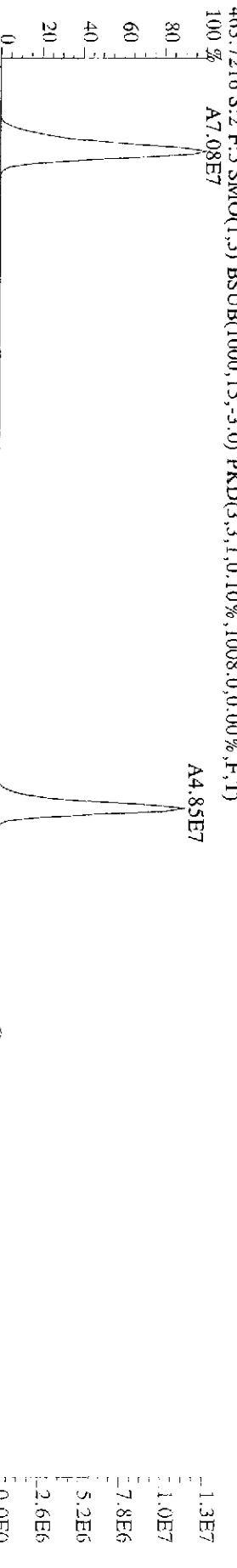
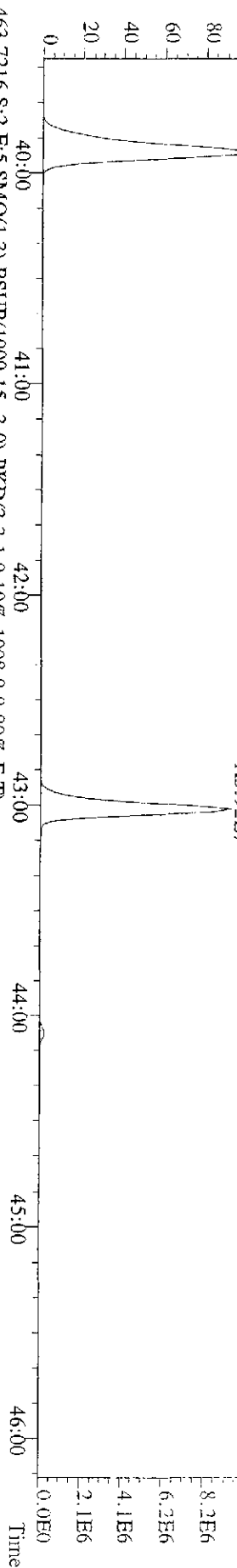
File:09JL09E9D5 #1-391 Acq: 9-JULI-2009 20:19:51 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 427.7635 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3.3,1.0,10%,972.0,0.00%,F,T)  
 A6.68E7



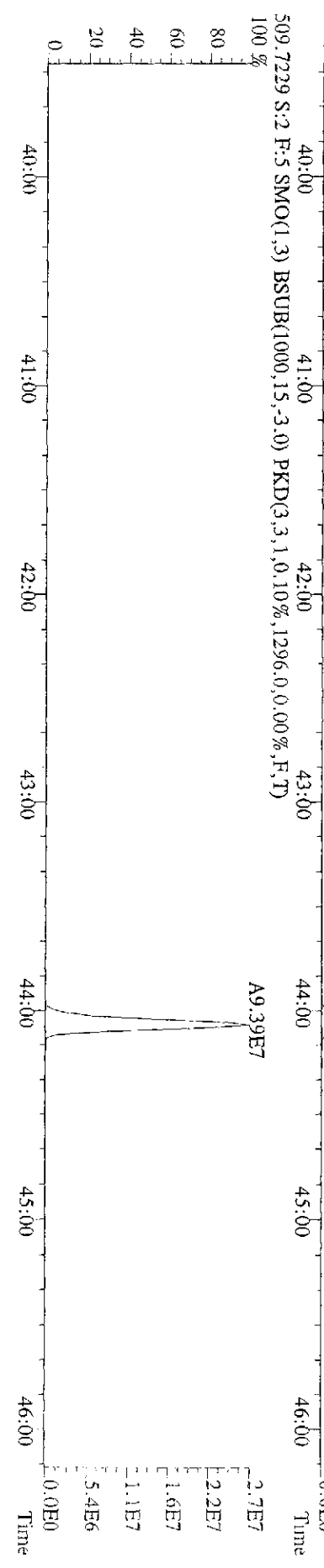
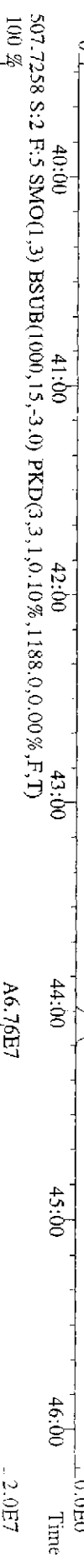
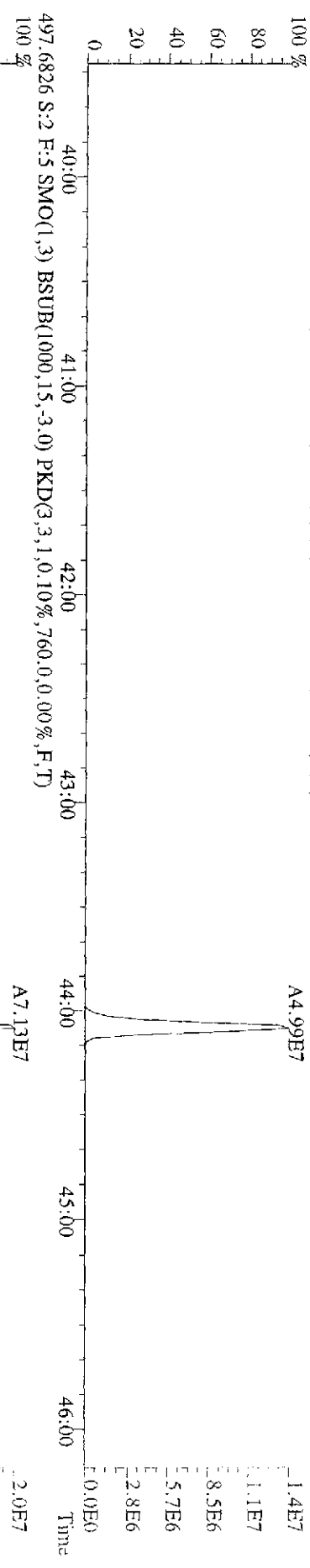
File:09JUL09E9D5 #1-447 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage STR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 427.7635 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2824,0.0,0.00%,F,T)  
 100% A5.90E7



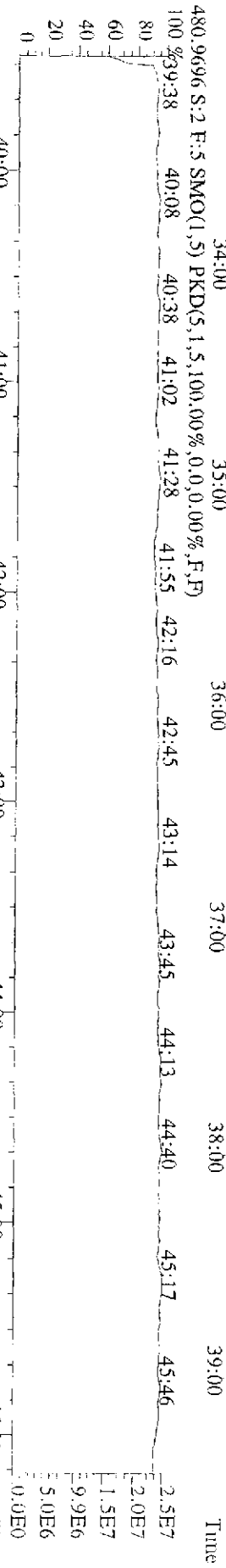
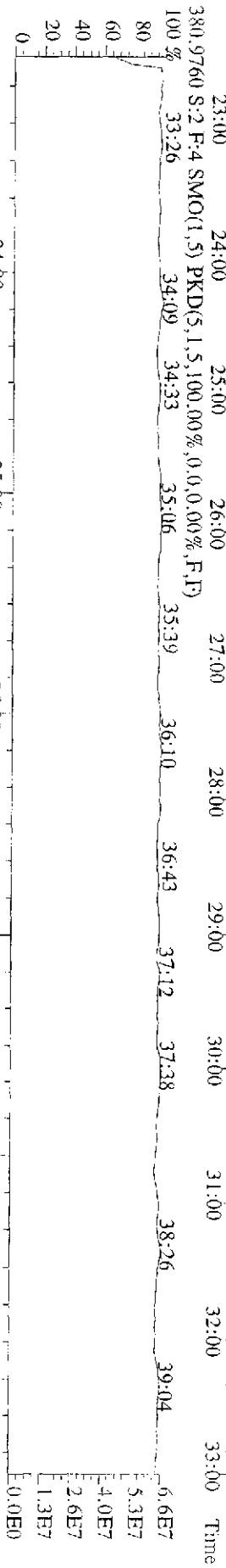
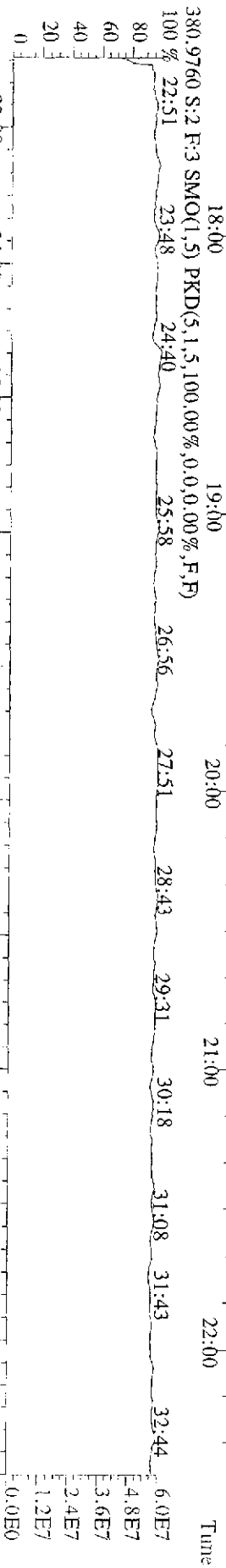
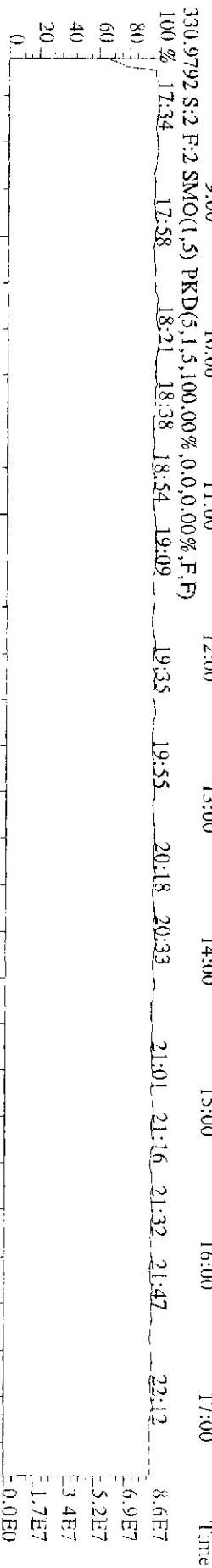
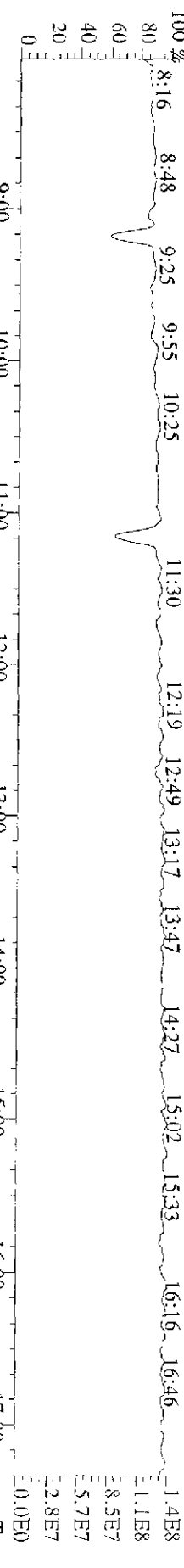
File:09JUL09E9D5 #1-447 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 461.7245 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1056,0,0,00%,F,T)  
 100% A5.58E7



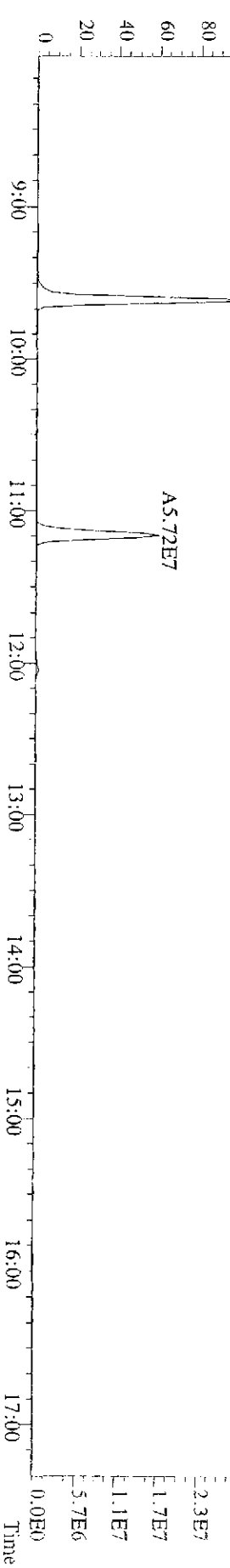
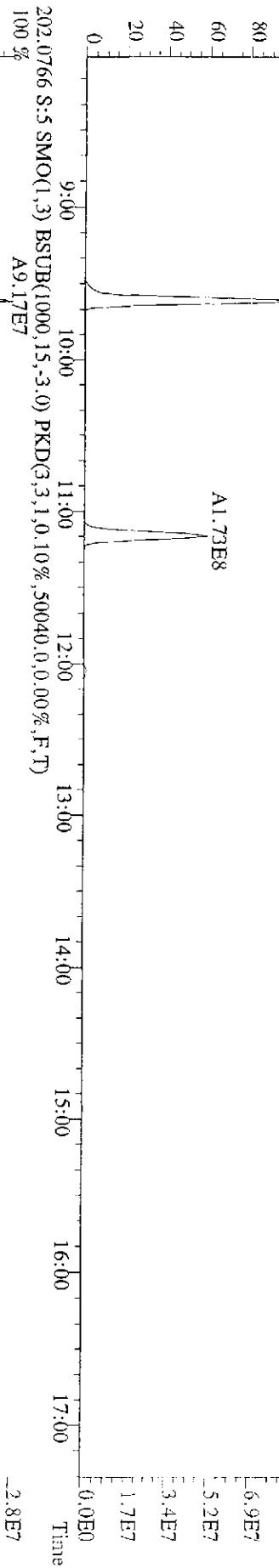
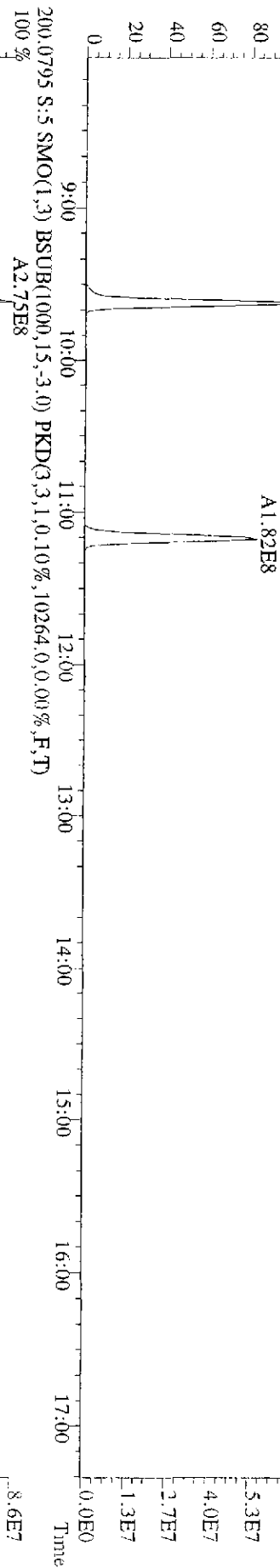
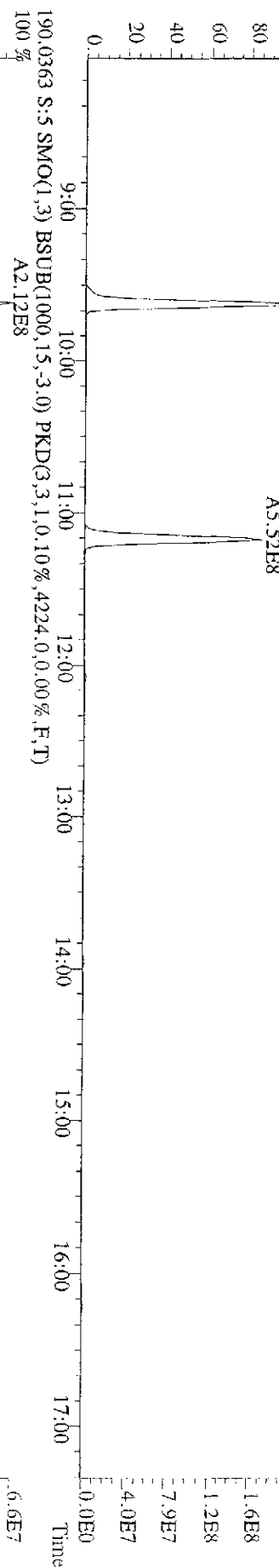
File:091L09E9D5 #1-447 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage S1R Autospec-Ultimate  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 495.6836 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1272.0,0.00%,F,T)



File:0911.09E9D5 #1-633 Acq: 9-JUL-2009 20:19:51 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST0709A :CS3 09DXN207 Exp:209DB5  
 218.9856 S:2 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

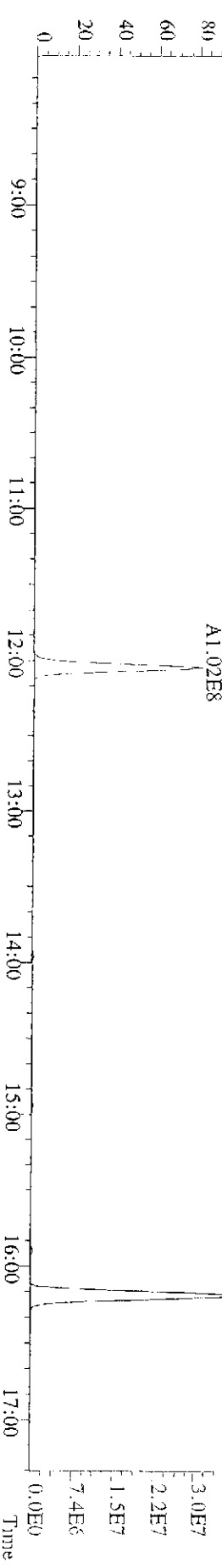
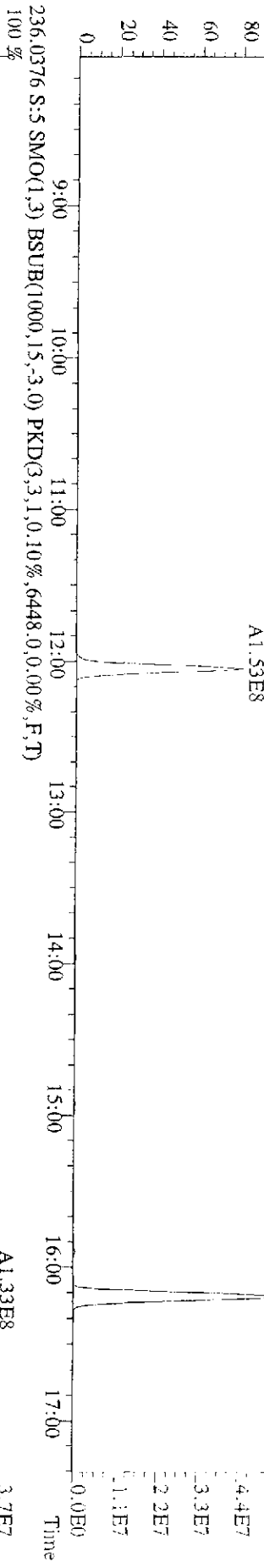
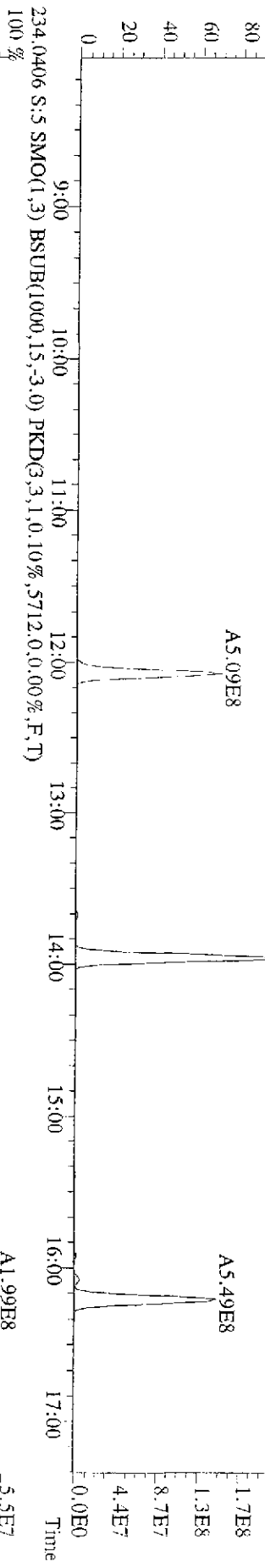
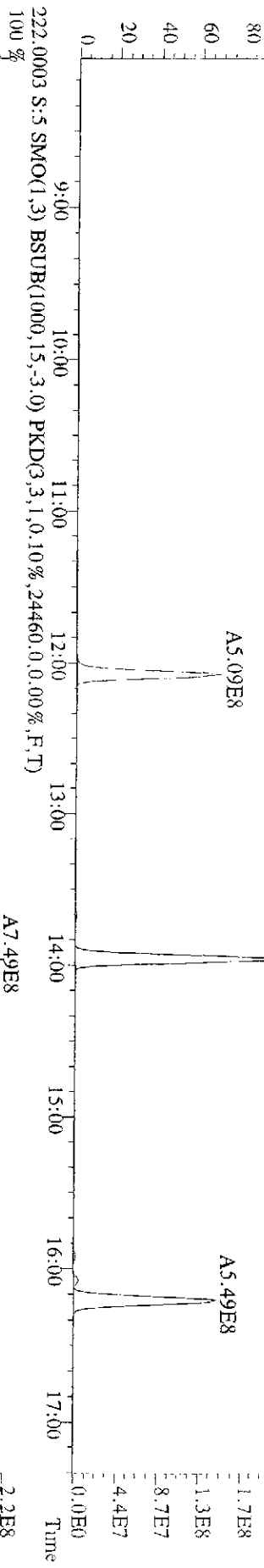


File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 188.0393 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,6712,0,0,00%,F,T)  
 100%

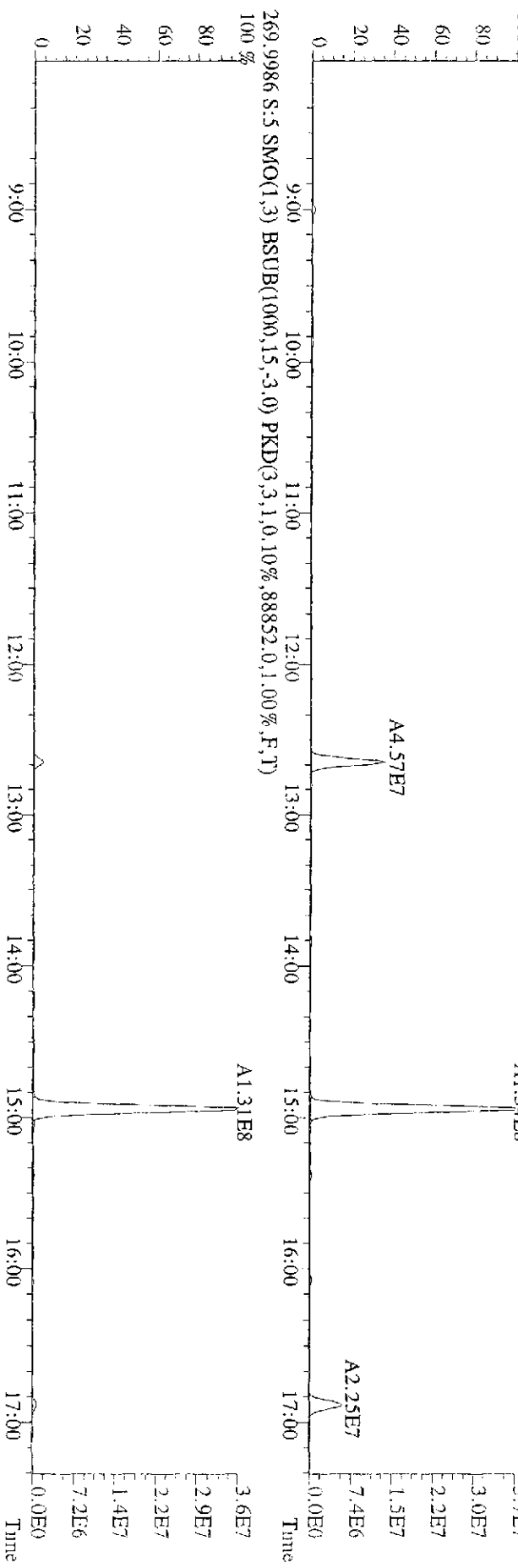
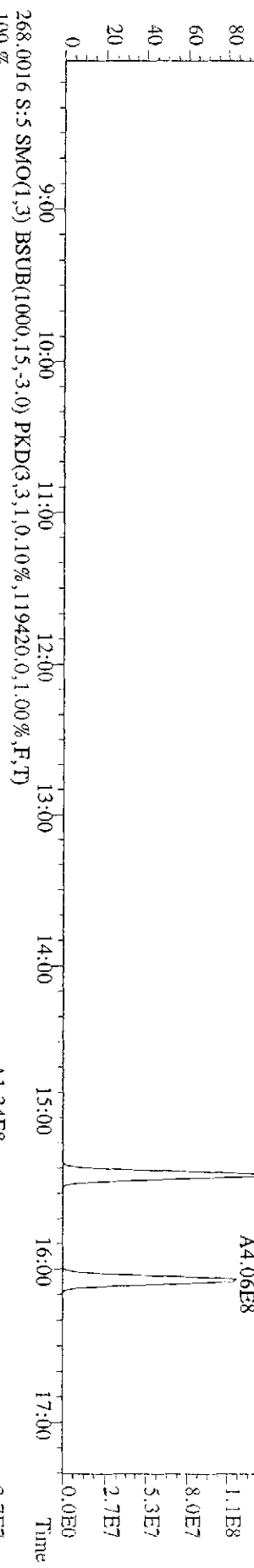
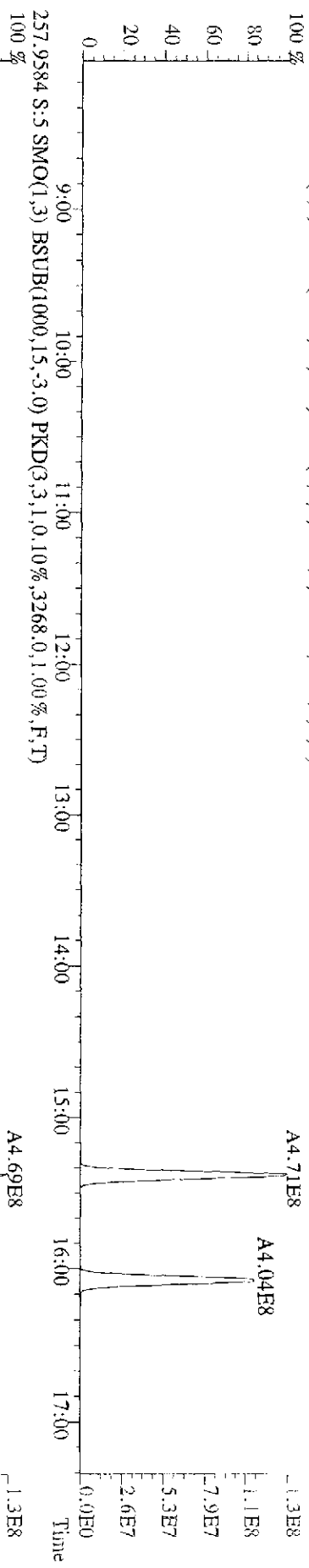




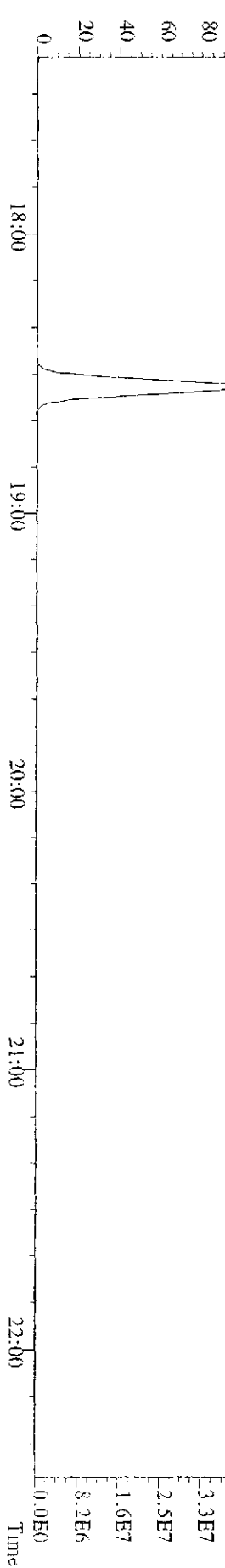
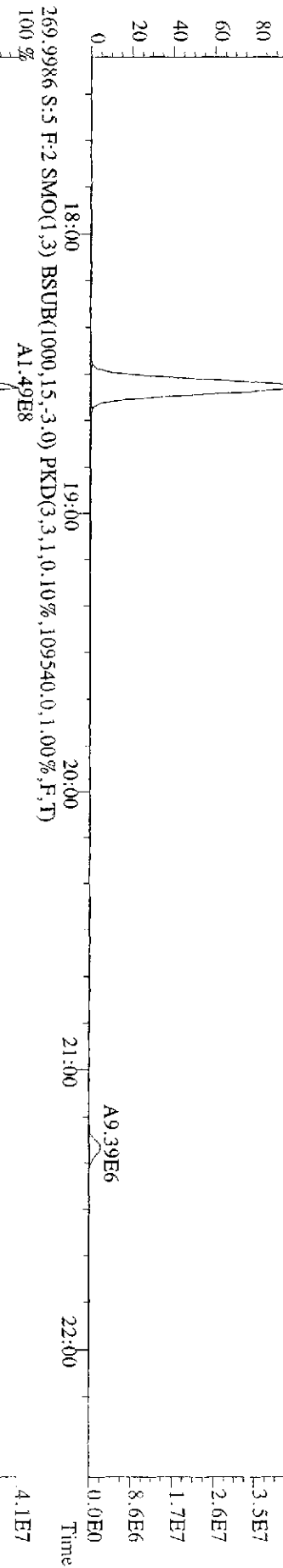
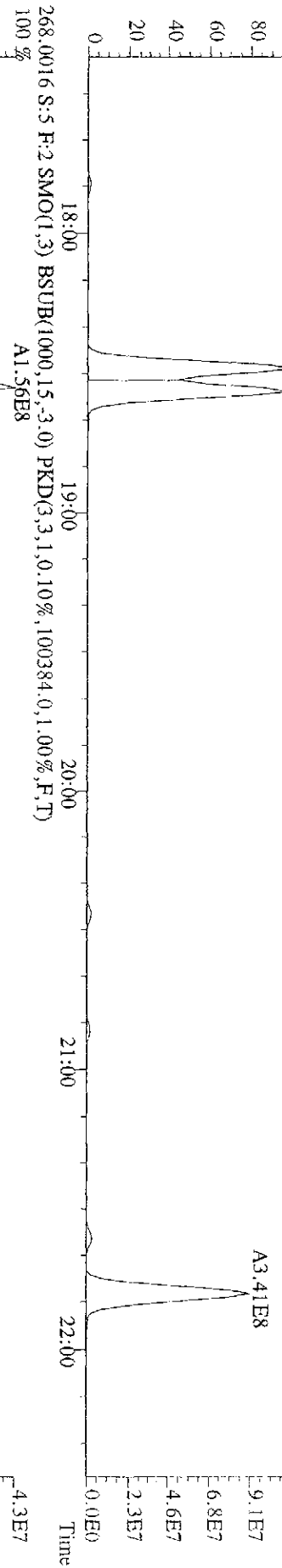
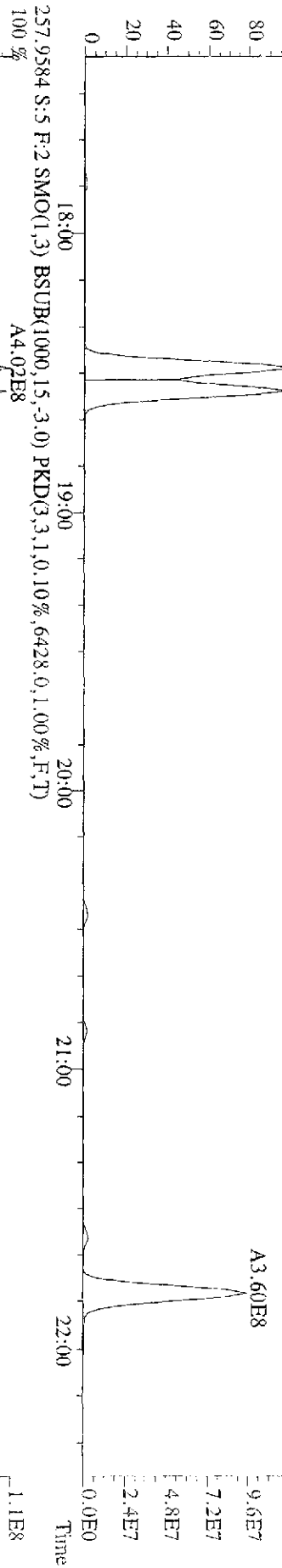
File:091L09E9D5 #1-633 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 222.0003 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,24460,0,0,00%,F,T)  
 100%



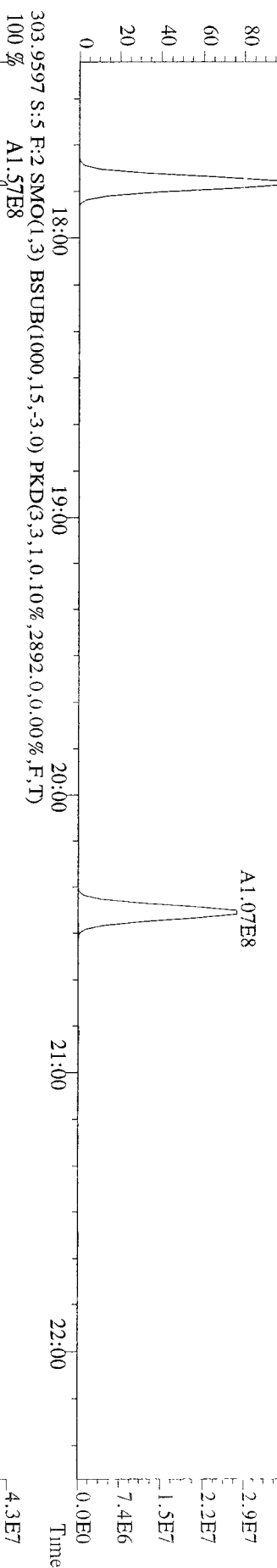
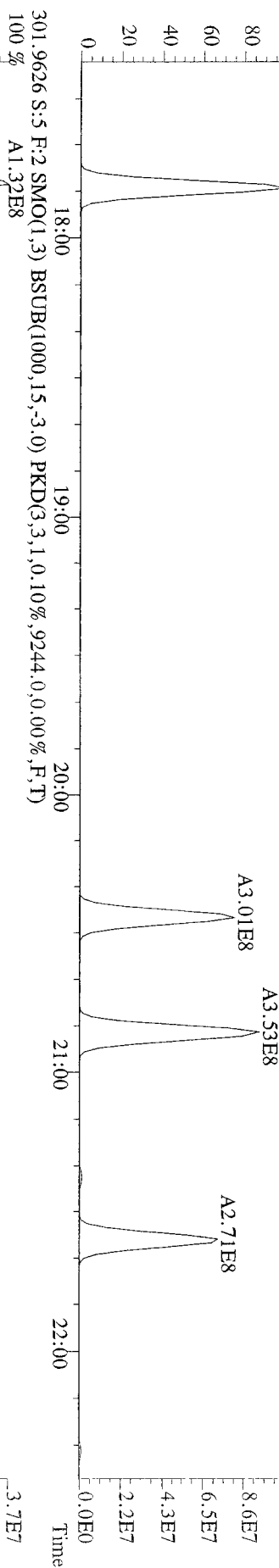
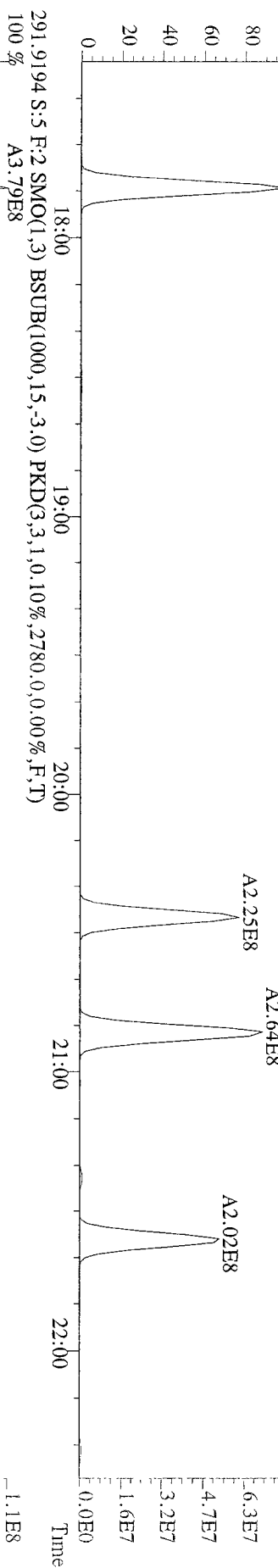
File:09JL09E9D5 #1-633 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXNZ08 Exp:209DB5  
 255,9613 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,6920,0,1,00%,F,T)



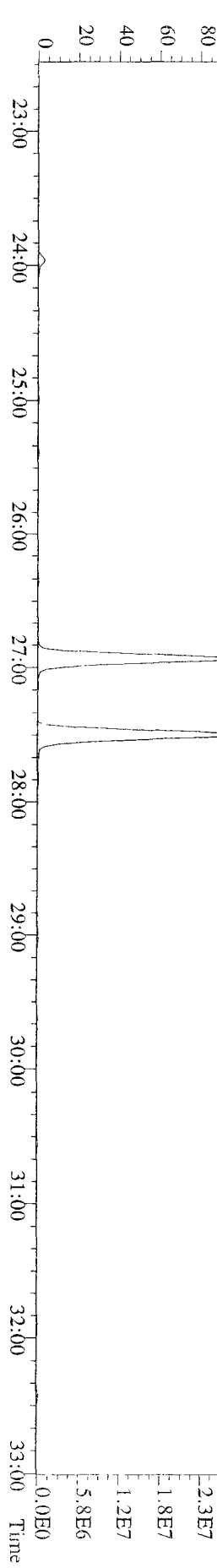
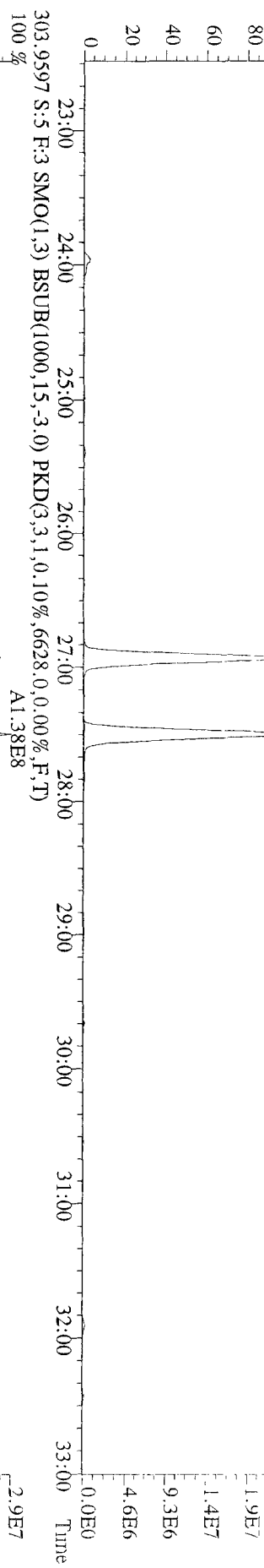
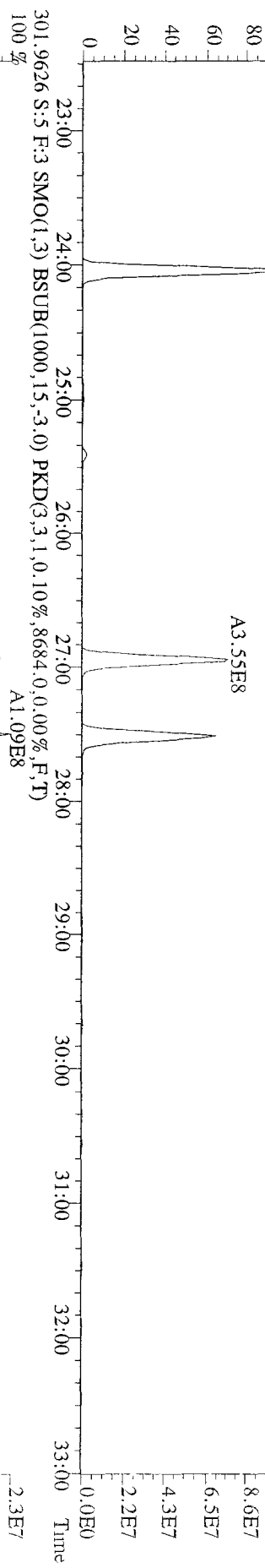
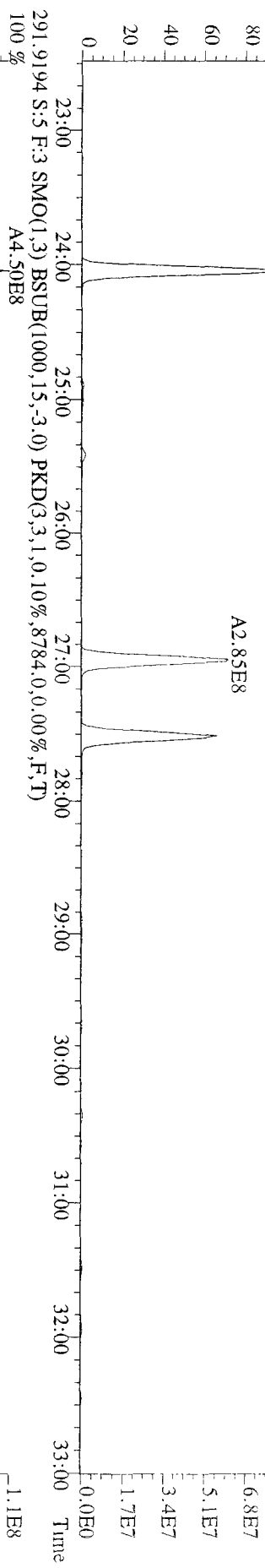
File: (9)JL09E0D5 #1-371 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST0709D :CS4 09DXN208 Exp: 209DB5  
 255.9613 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,9260,0,1.00%,F,T)  
 100% A4.21E8



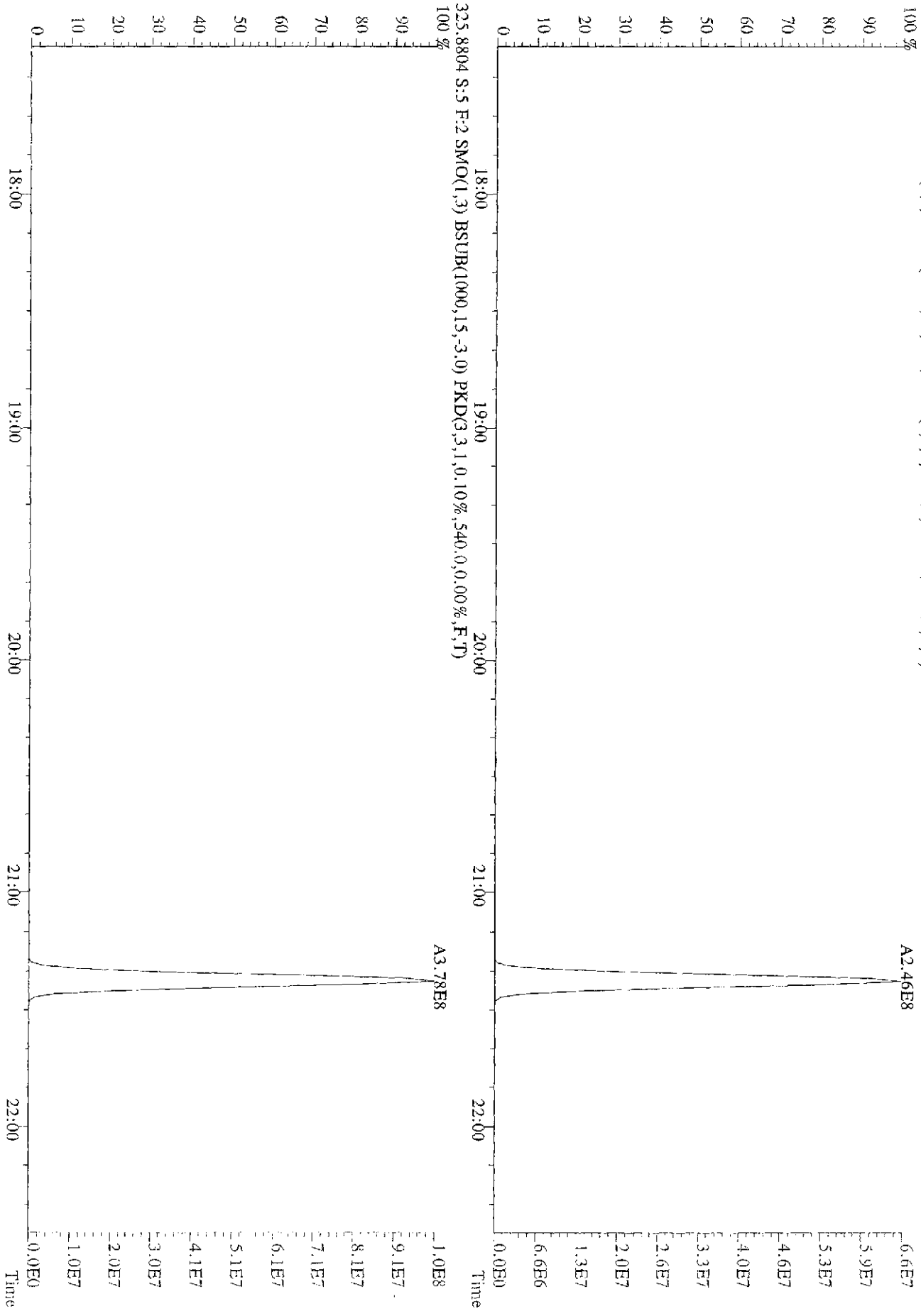
File:09JUL09E9D5 #1-371 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 289.9224 S:5 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2552,0,0,00%,F,T)



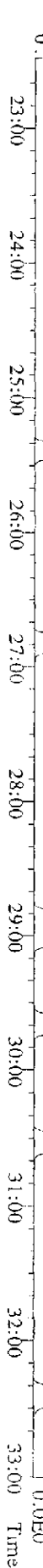
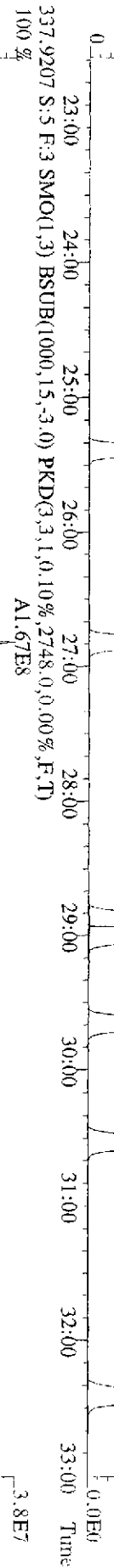
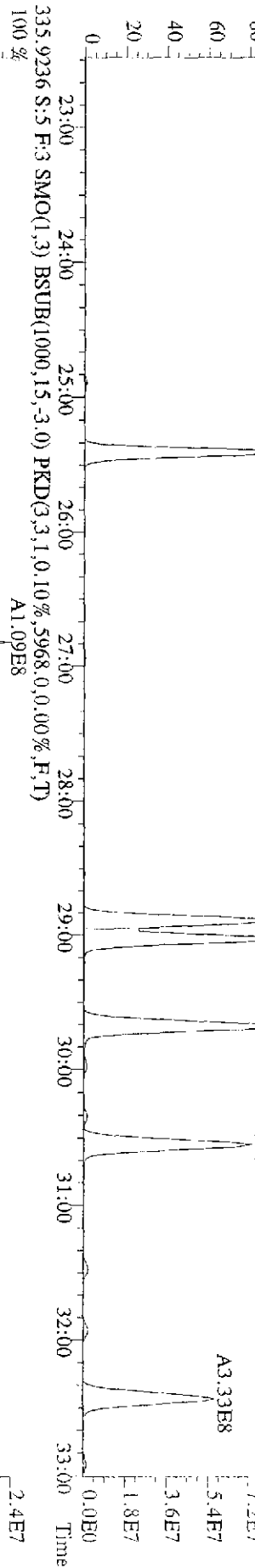
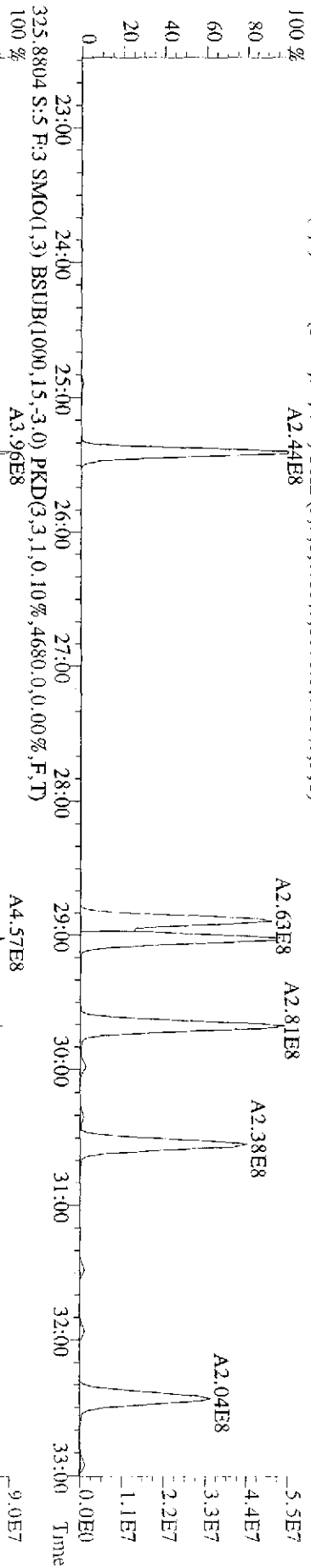
File: 09JUL09E9D5 #1-593 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: ST0709D :CS4 09DXN208 Exp: 209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7156.0,0.00%,F,T)  
 100% A3.55E8



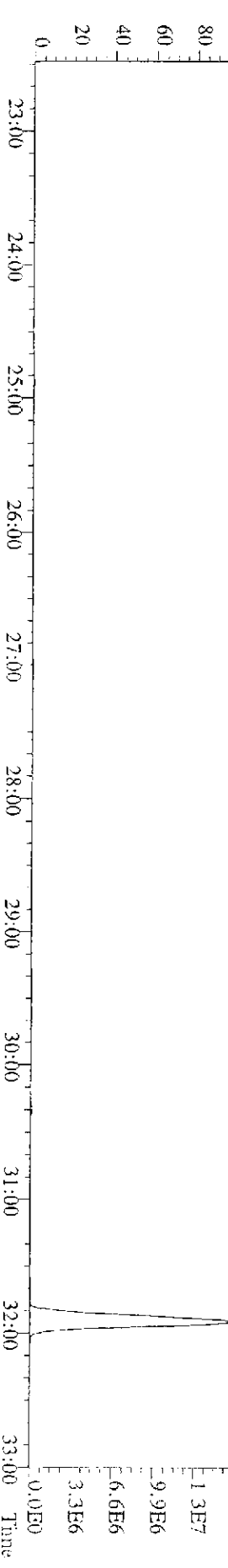
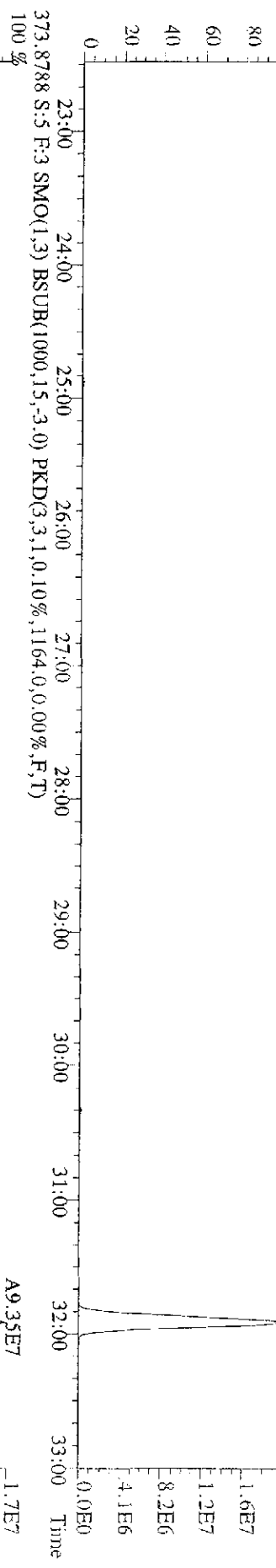
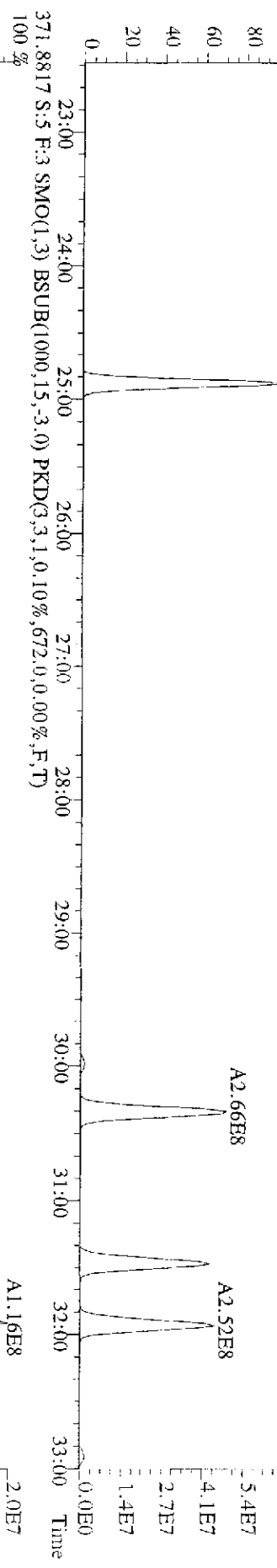
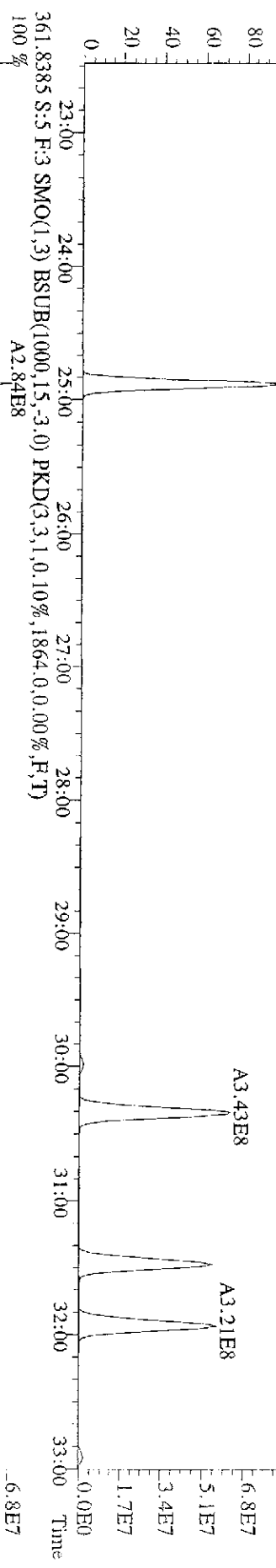
File:091109E9D5 #1-371 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-Ultimat  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 323.8834 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,540,0,0,00%,F,T)



File:091L09E9D5 #1-593 Acq: 9-1UL-2009 22:57:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 323.8834 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,6076,0.0,0.00%,F,T)

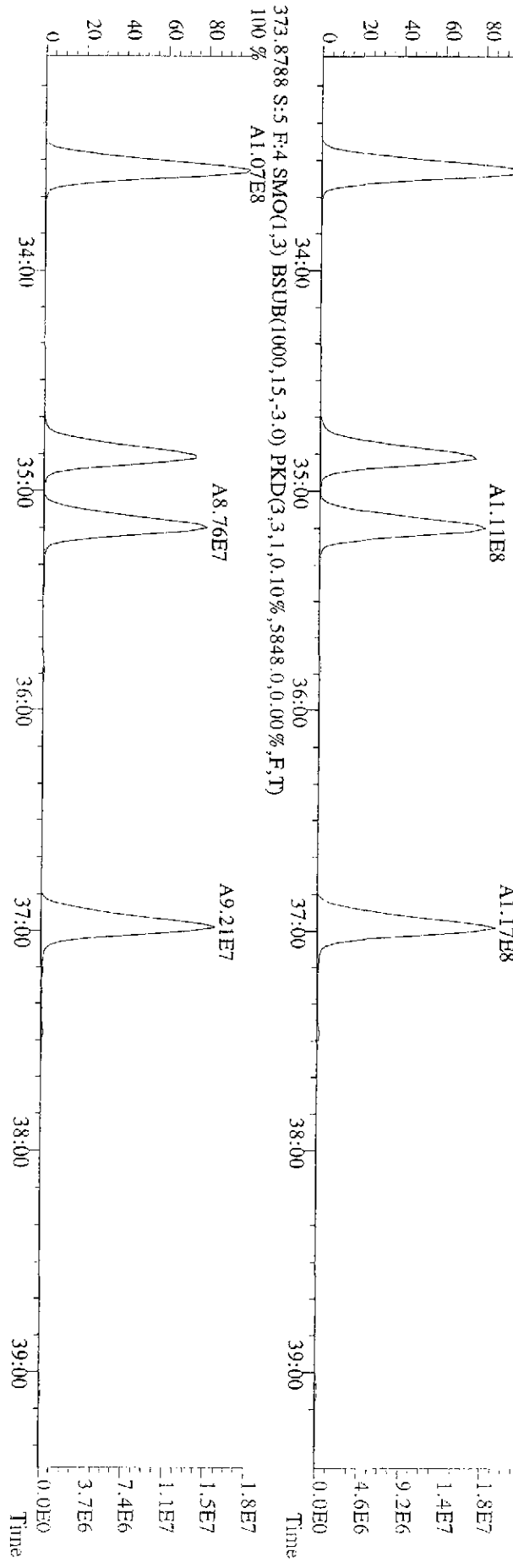
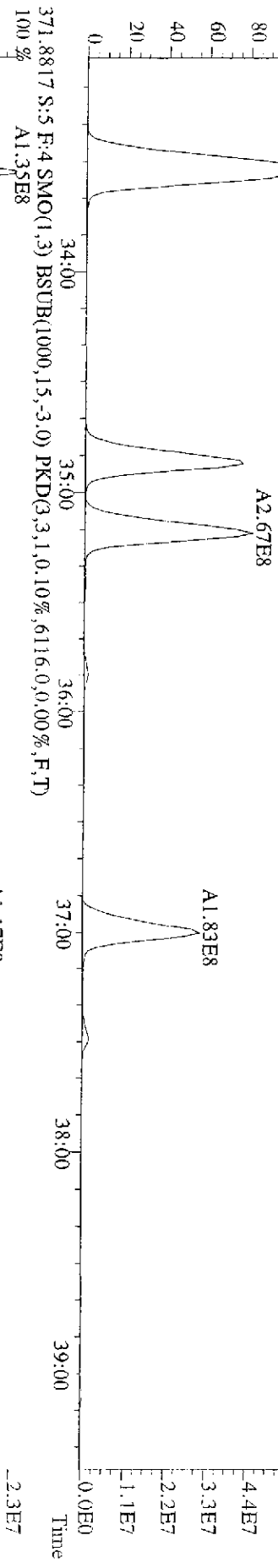
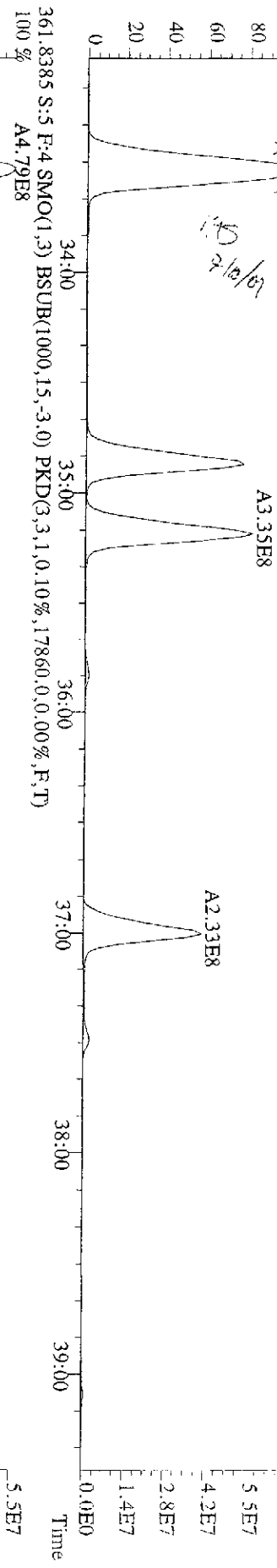


File:09JUL09E9D5 #1-593 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 359.8415 S.S.F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1864.0,0.00%,F,T)  
 100% A3.59E8





File:09JL09E9D5 #1-391 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,29432.0,0.00%,F,T)  
 100% A5.99E8



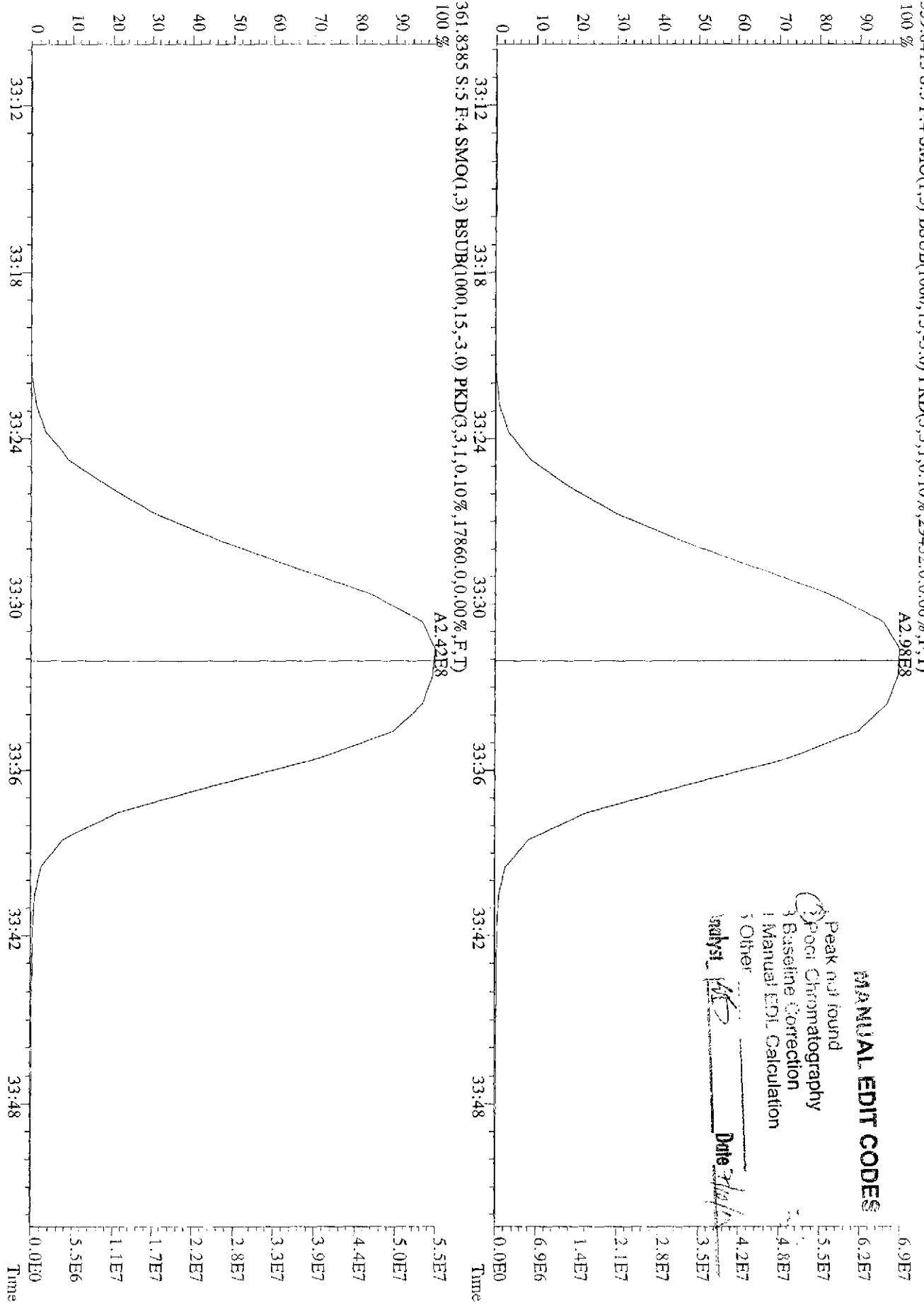
File:091109E9D5 #1-391 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,17860.0,0.00%,F,T)  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,29432.0,0.00%,F,T)

**MANUAL EDIT CODES**

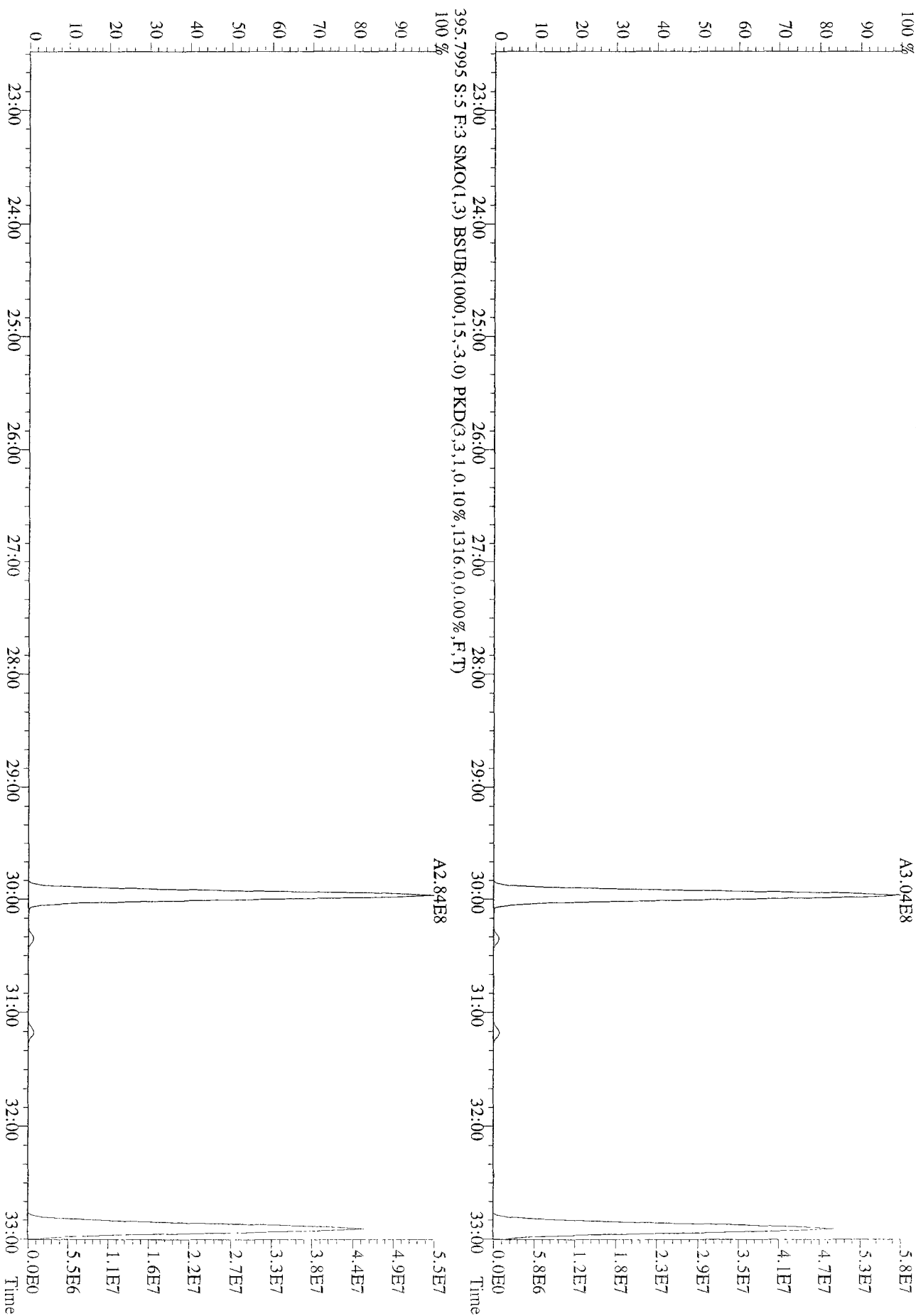
- Peak not found
- Apoi Chromatography
- Baseline Correction
- Manual EDL Calculation
- Other

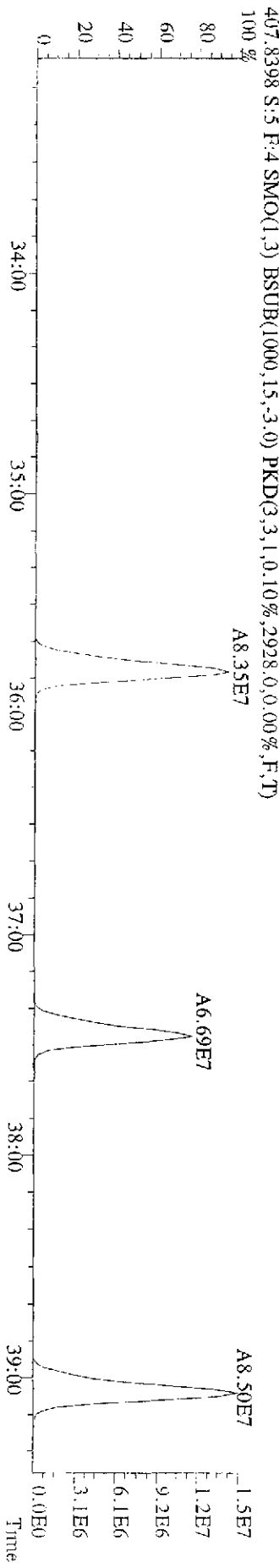
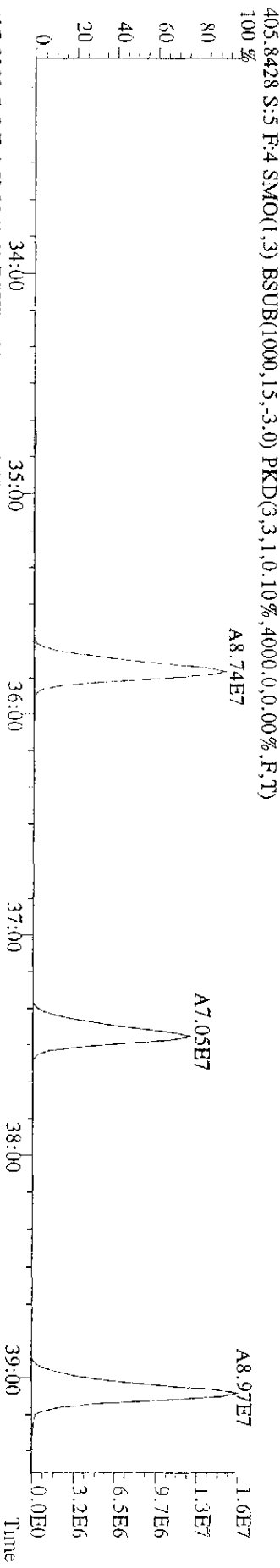
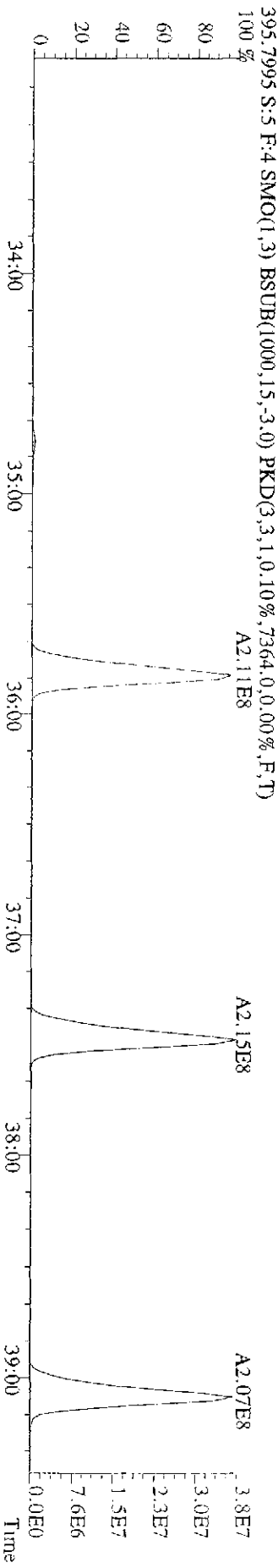
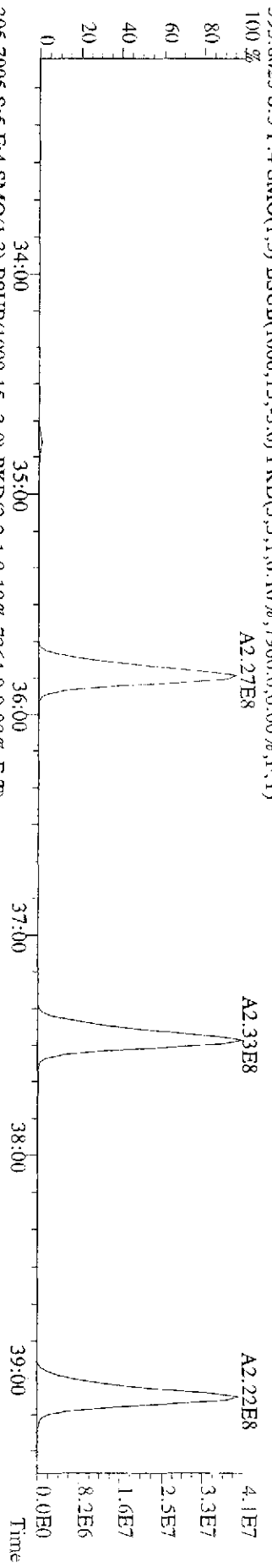
Analyst: *MS*

Date: *7/14/09*

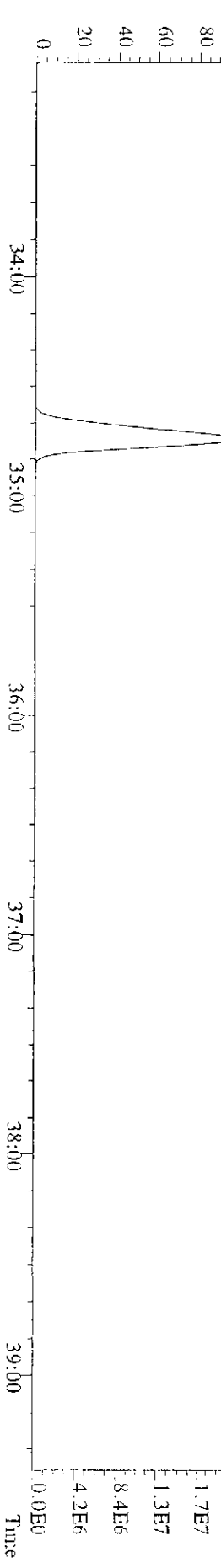
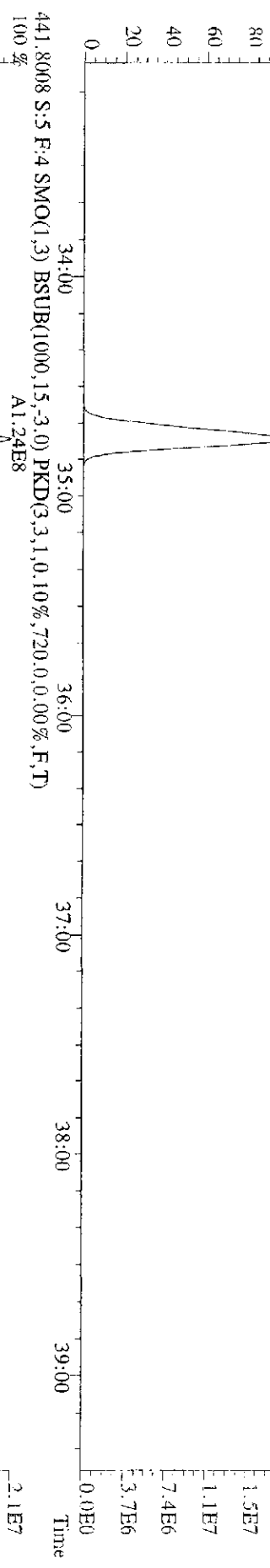
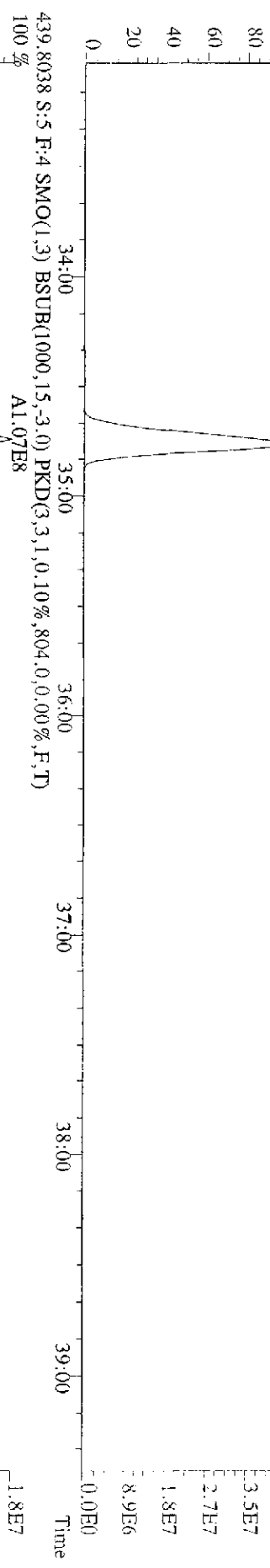
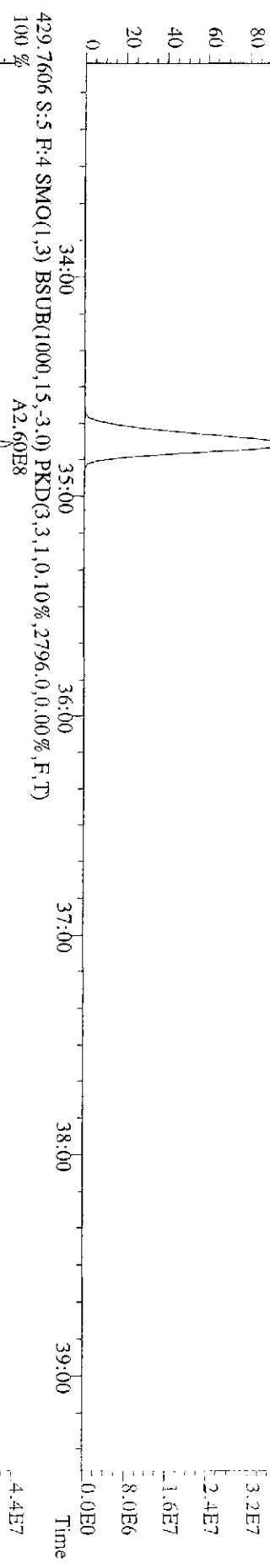


File:09JL09E9D5 #1-593 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
393.8025 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4984,0,0,00%,F,T)

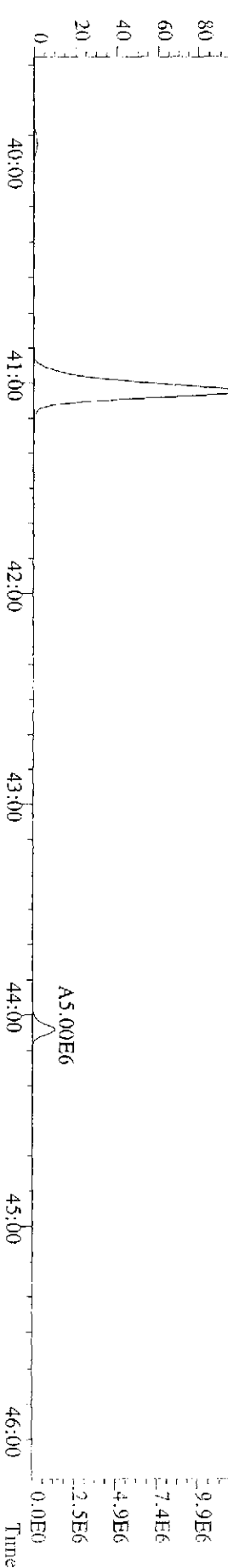
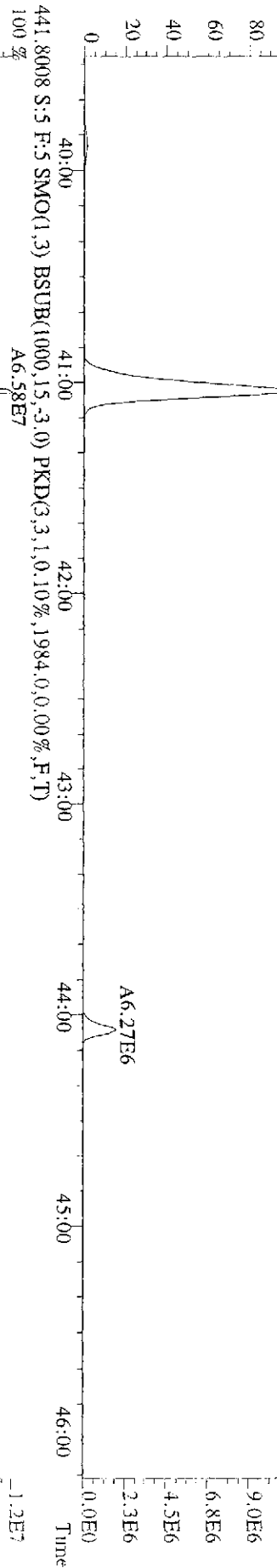
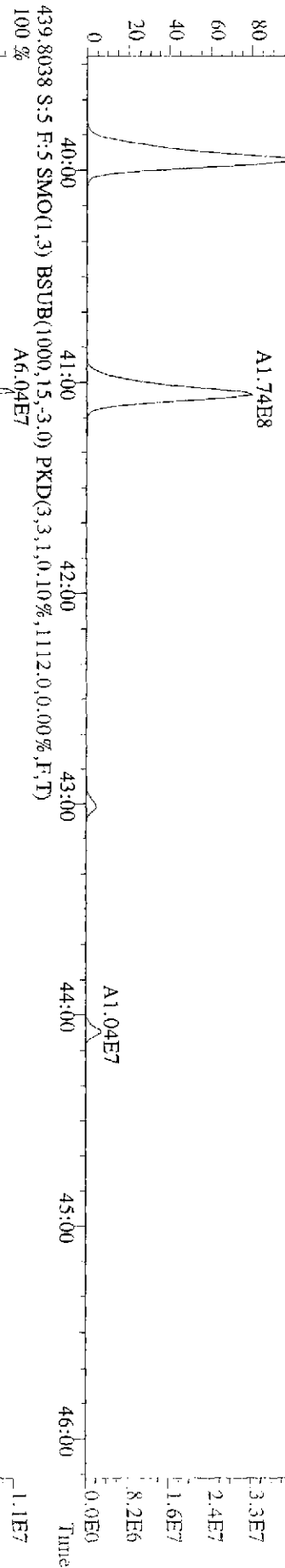
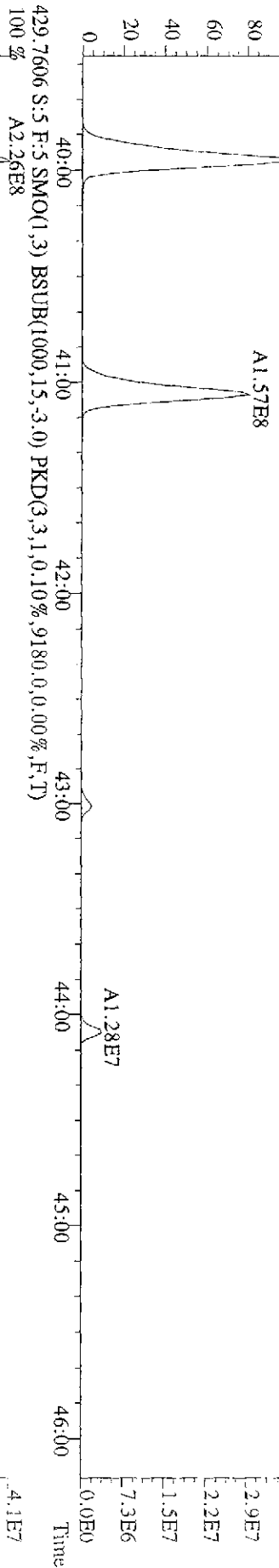




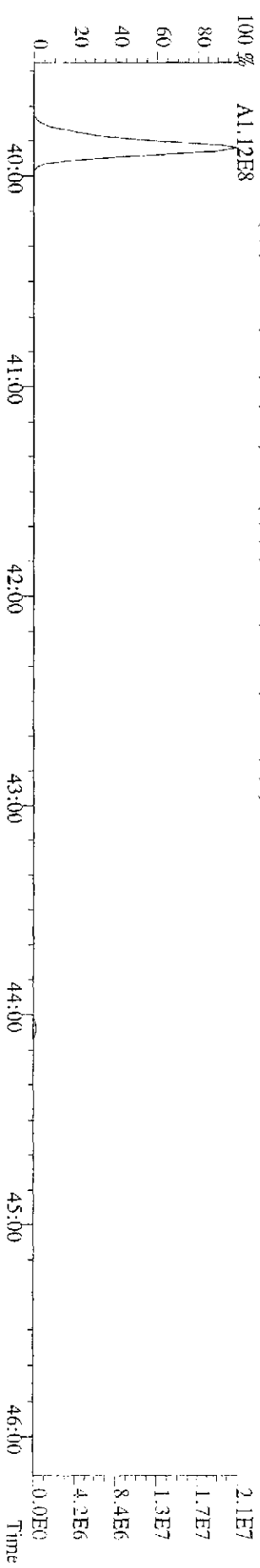
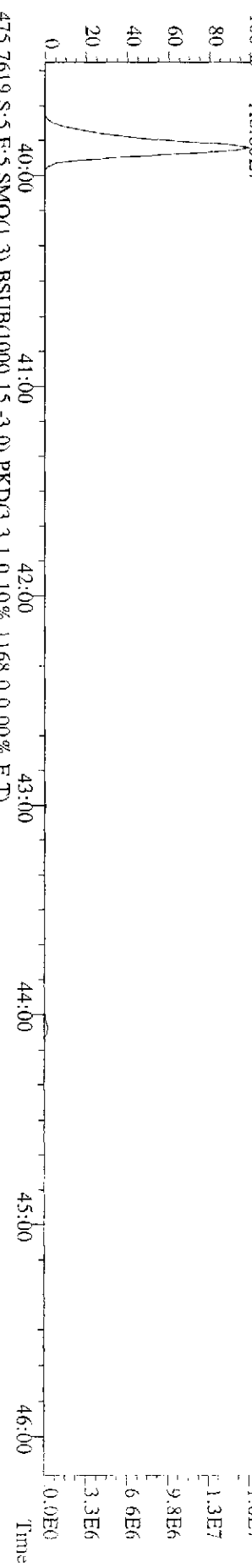
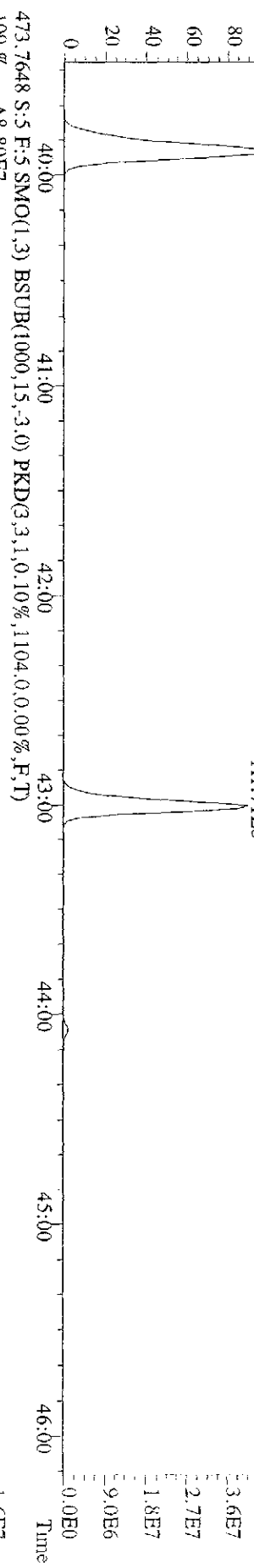
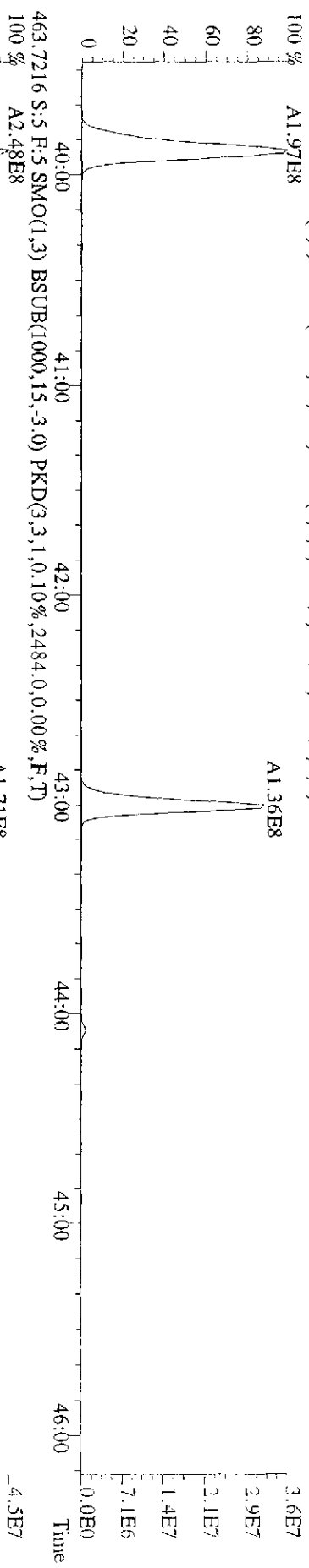
File:09JUL09E9D5 #1-391 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 427.7635 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1736.0,0.00%,F,T)  
 100 % A2.36E8



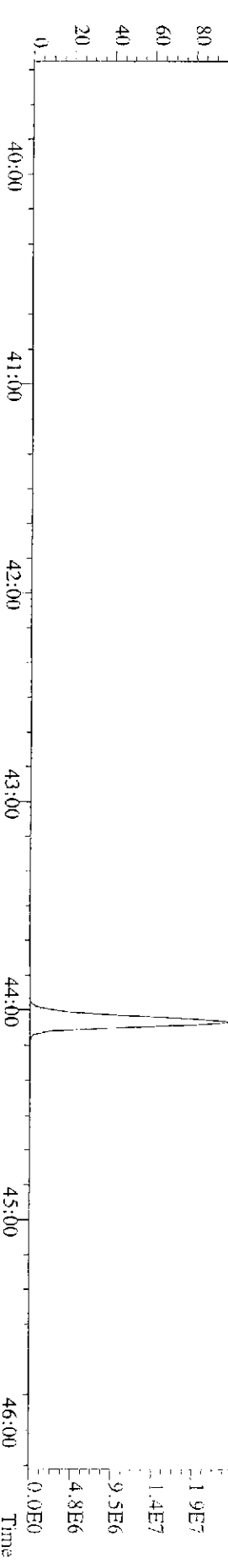
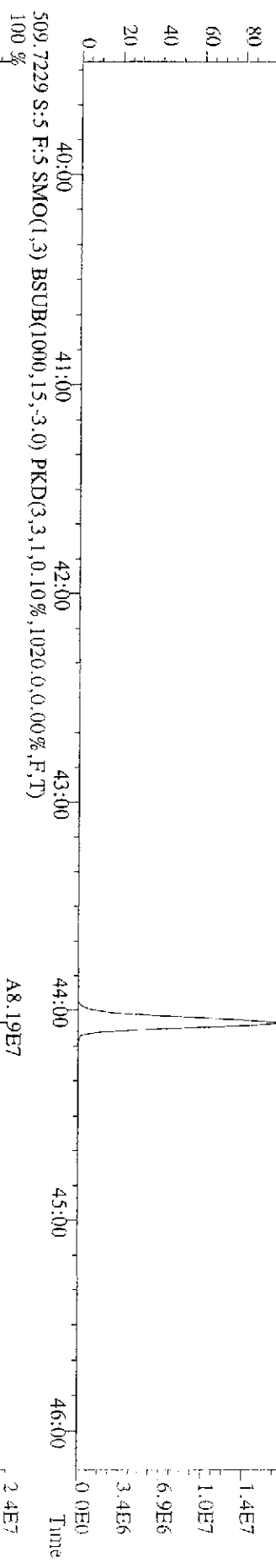
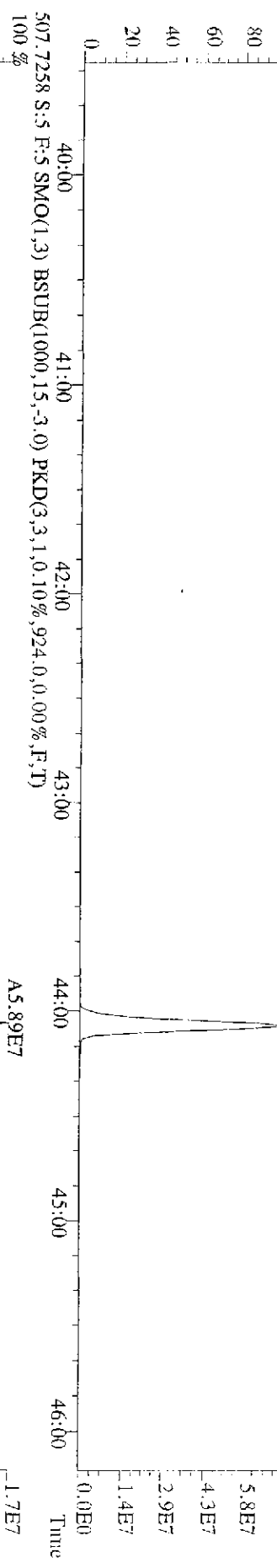
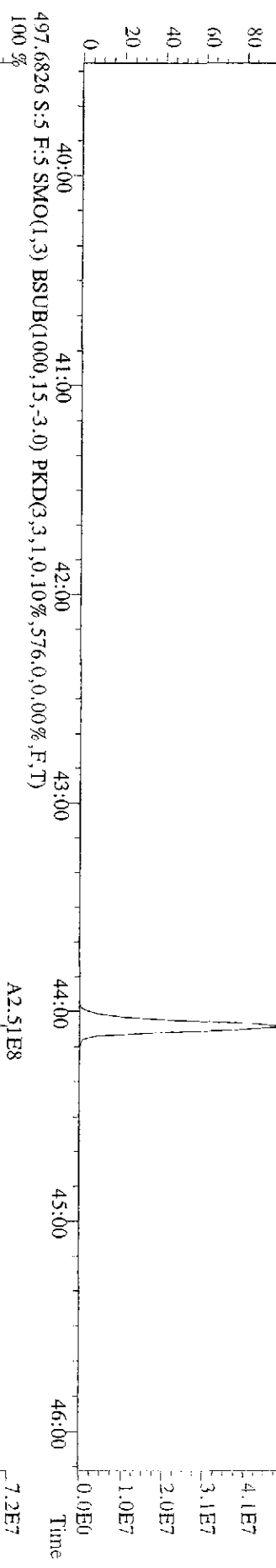
File:09JUL09E9D5 #1-447 Acq: 9-JUL-2009 22:57:05 GC BI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 427.7635 S:5 F:5 SMO(1.3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,15784,0,0.00%,F,T)  
 100% A2.04E8



File: (9)JUL09E9D5 #1-447 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: ST0709D :CS4 09DXN208 Exp: 209DB5  
 461.7245 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2012,0,0,00%,F,T)

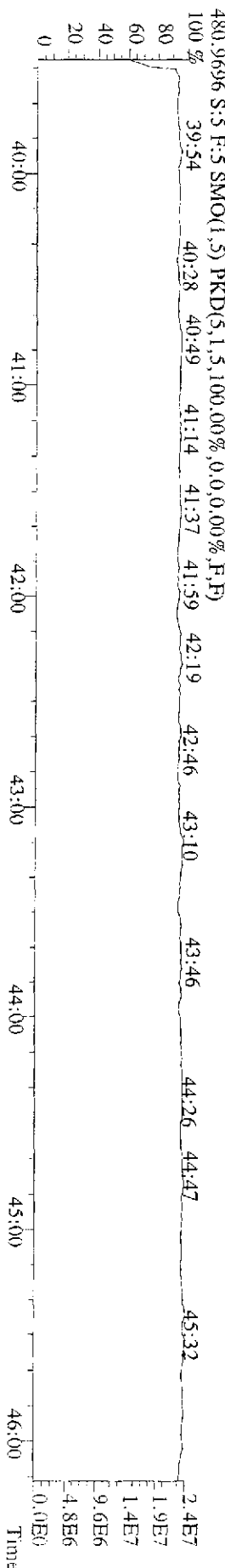
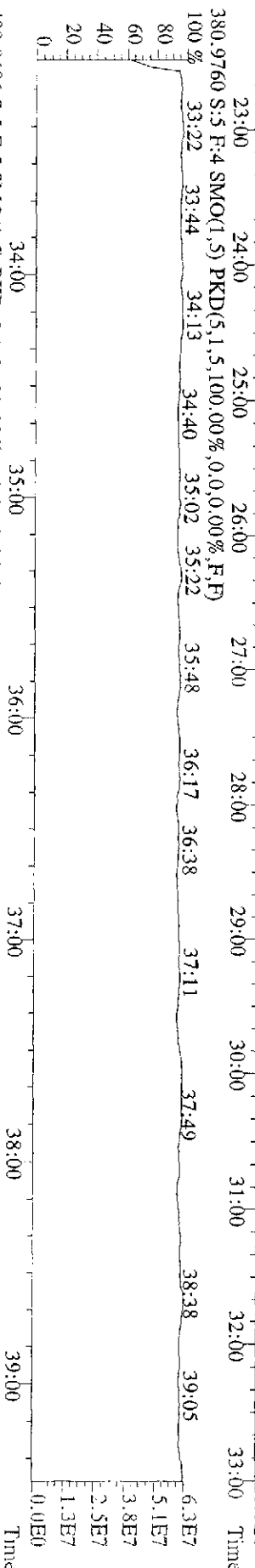
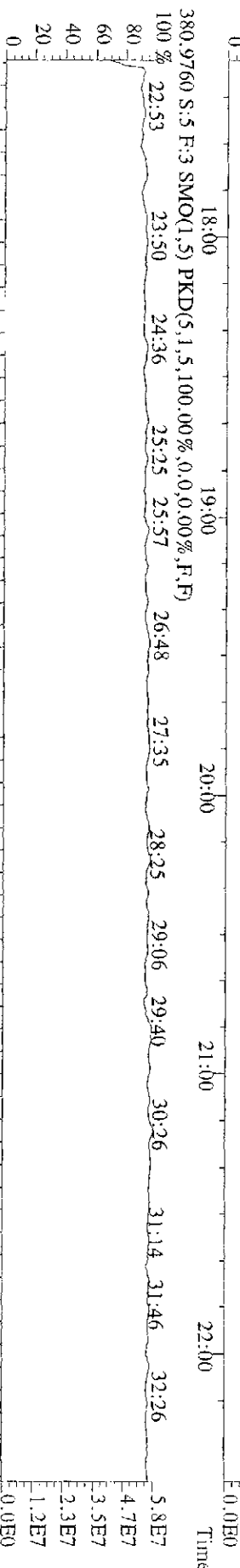
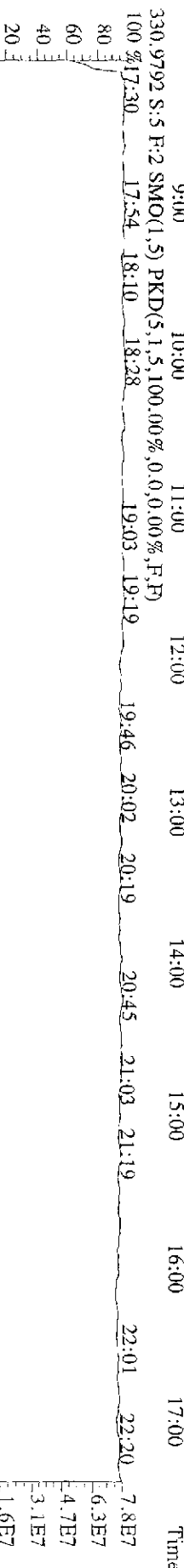
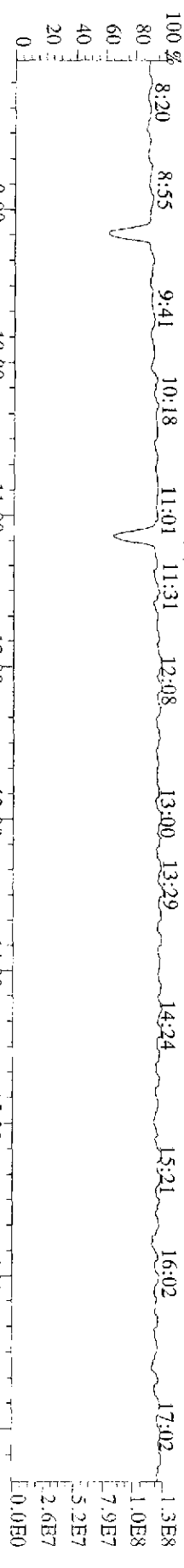


File:09JUL09E9D5 #1-447 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 495.6856 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1136,0,0,00%,F,T)  
 100 %

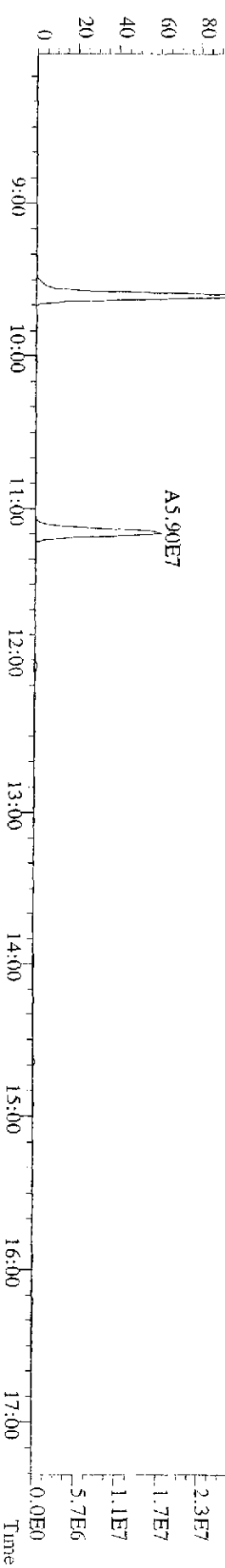
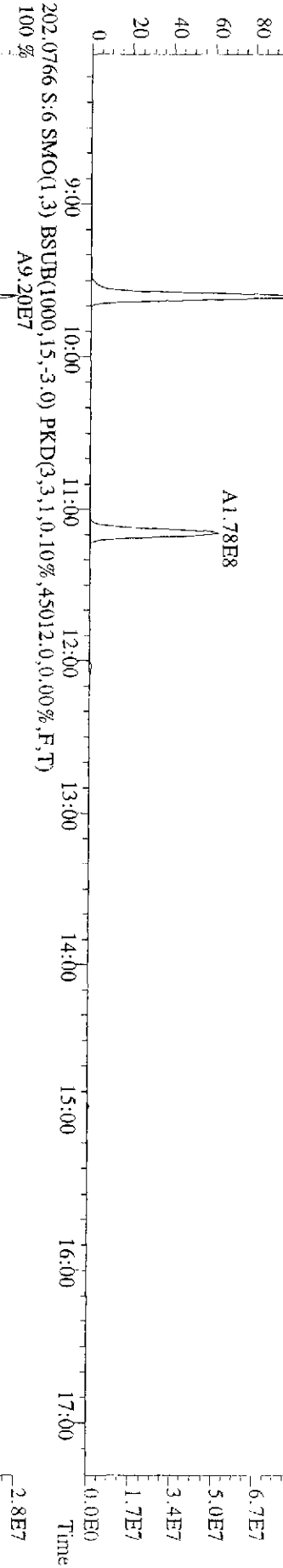
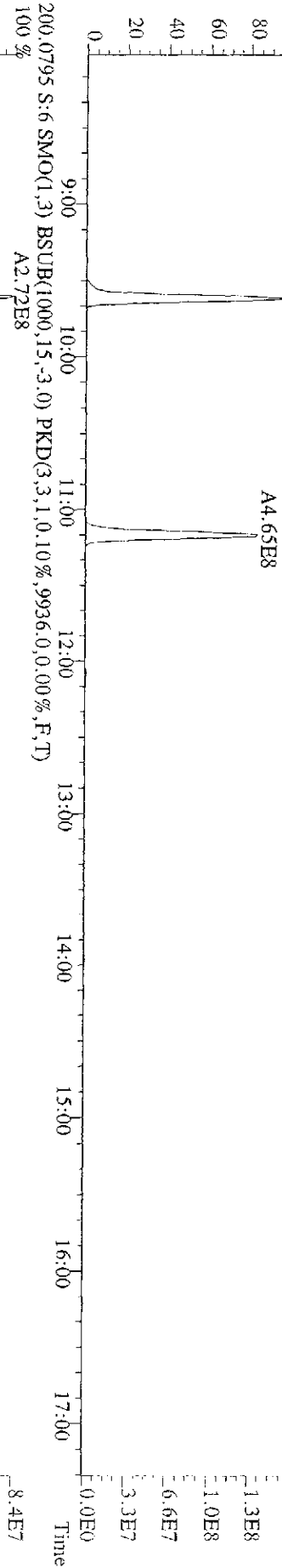
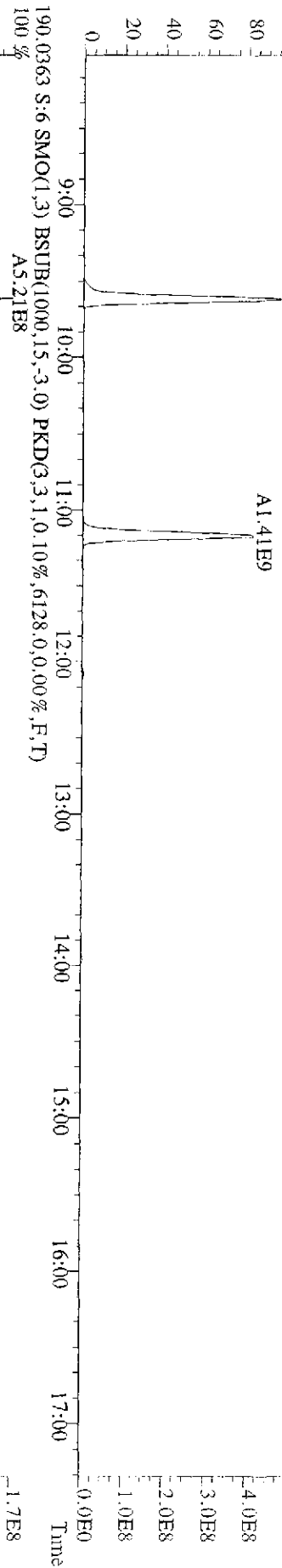




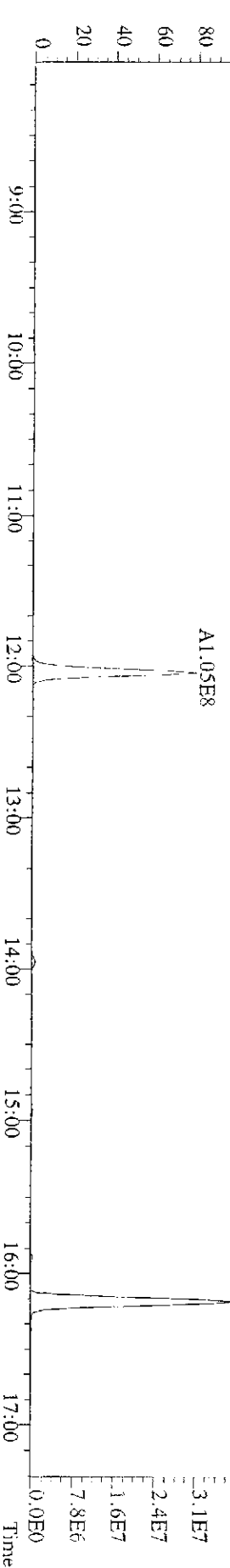
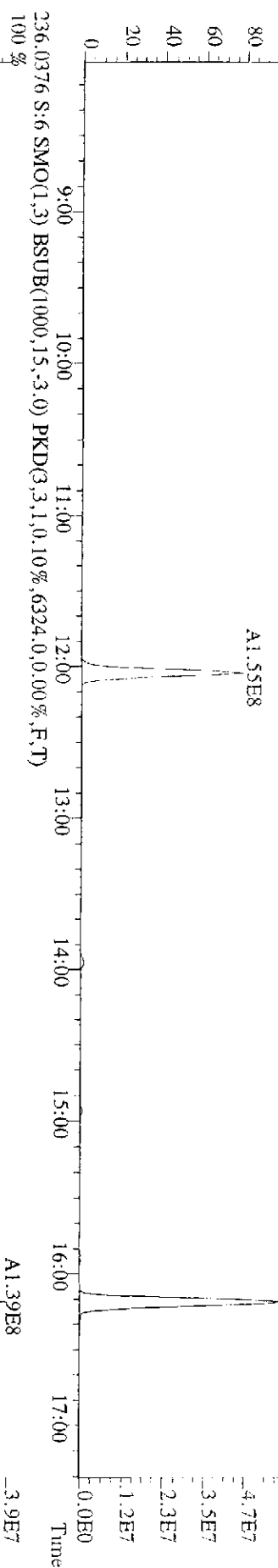
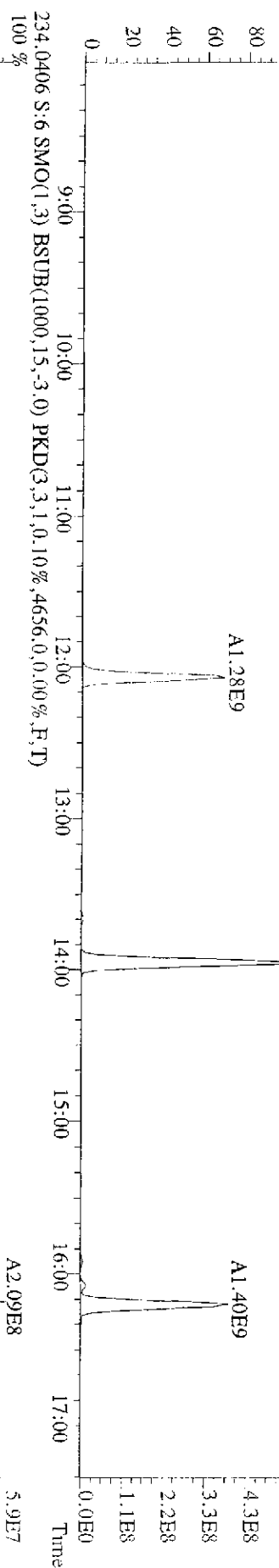
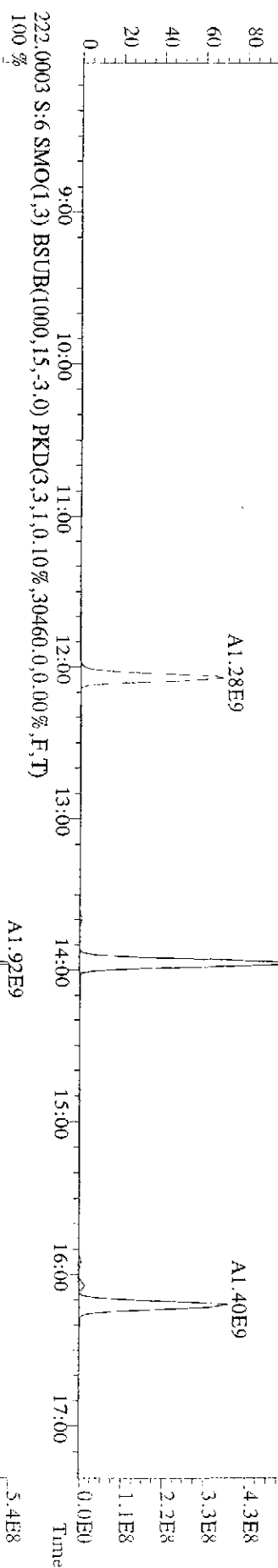
File:091L09E9D5 #1-633 Acq: 9-JUL-2009 22:57:05 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST0709D :CS4 09DXN208 Exp:209DB5  
 218.9856 S:5 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



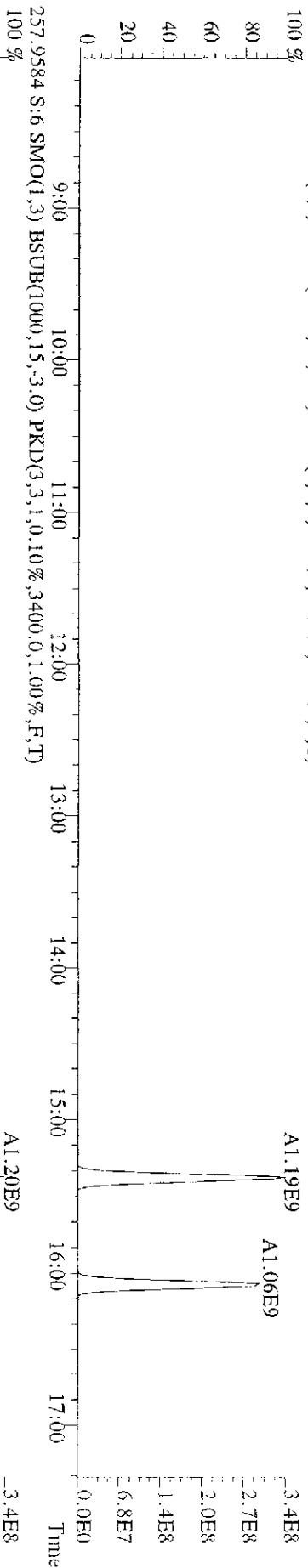
File:091L09E9D5 #1-633 Acq: 9-JUL-2009 23:48:27 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 188.0393 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,7660,0,0,00%,F,T)  
 100% A1.58E9



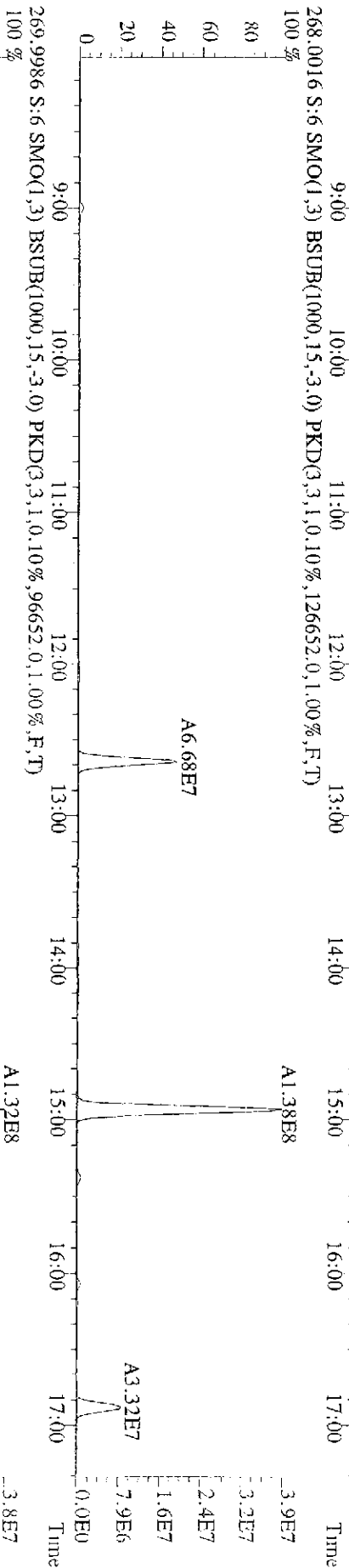
File:09JUL09E9D5 #1-633 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage STR Autospec-Ultimate  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 222.0003 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,30460.0,0.00%,F,T)  
 100 %



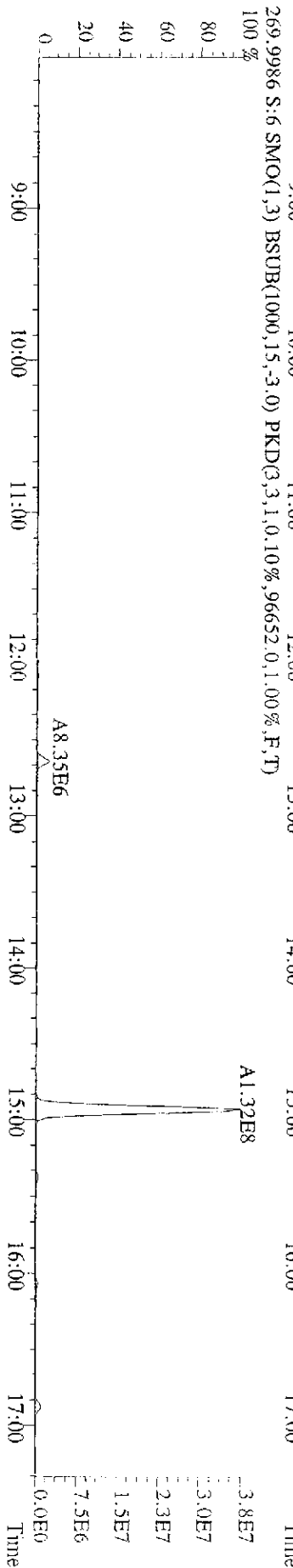
File:09JUL09E9D5 #1-633 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 255.9613 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6880,0,1,00%,F,T)  
 100%



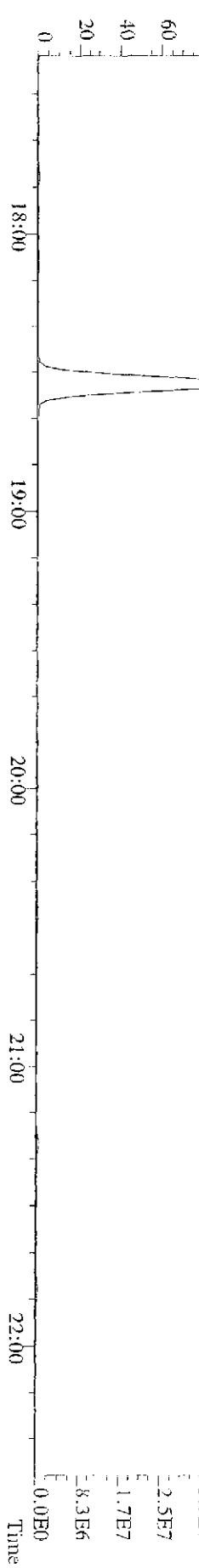
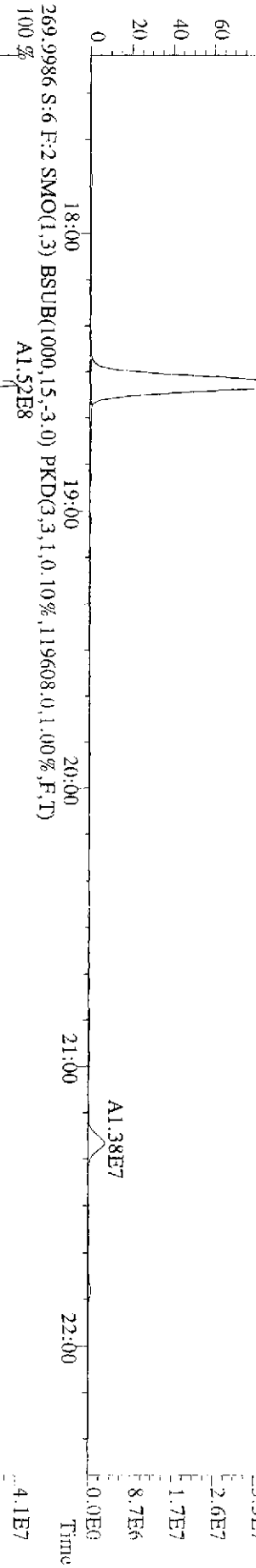
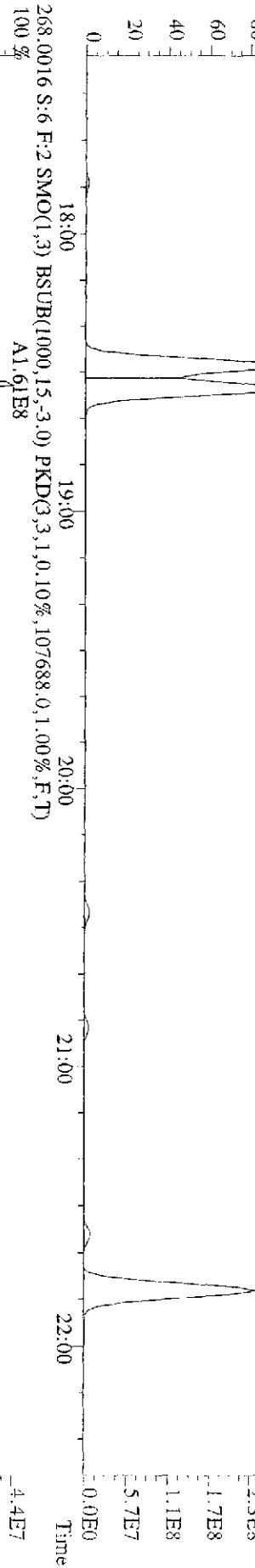
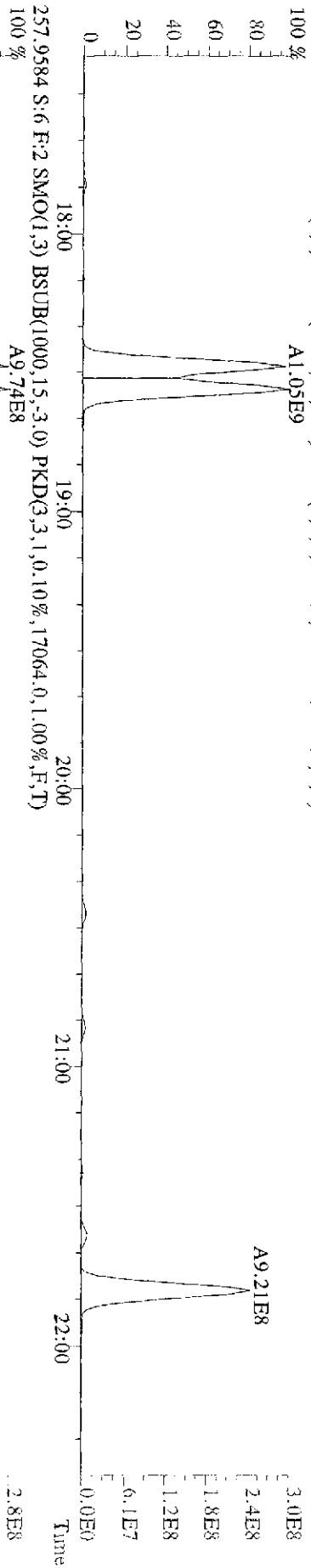
268.0016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,126652,0,1,00%,F,T)  
 100%



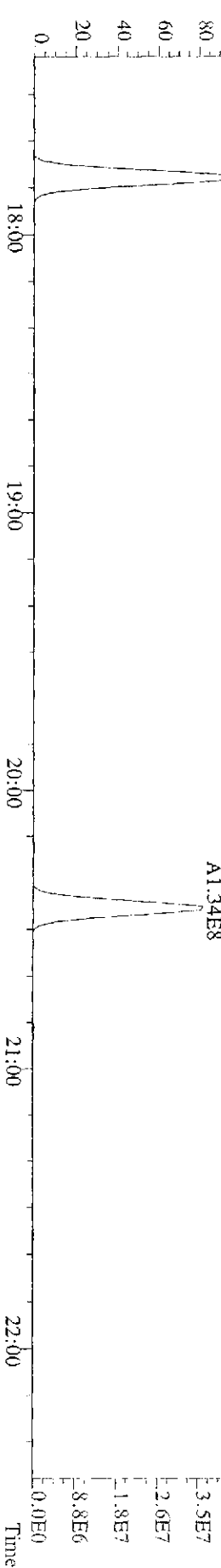
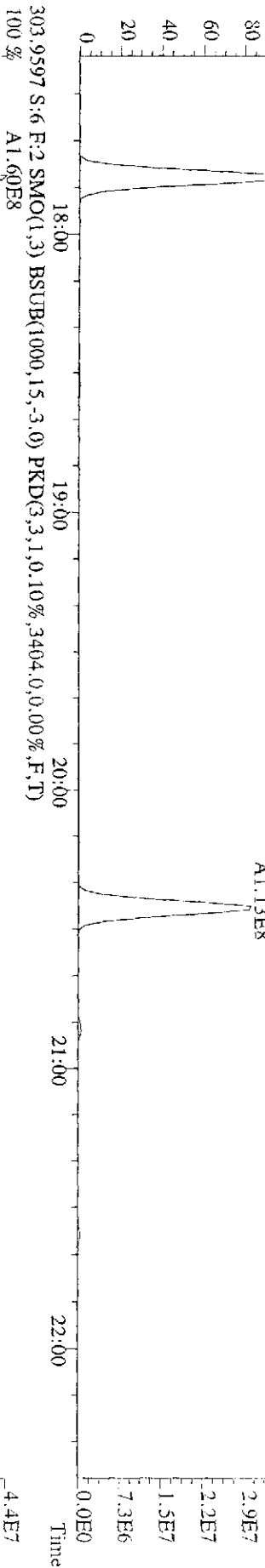
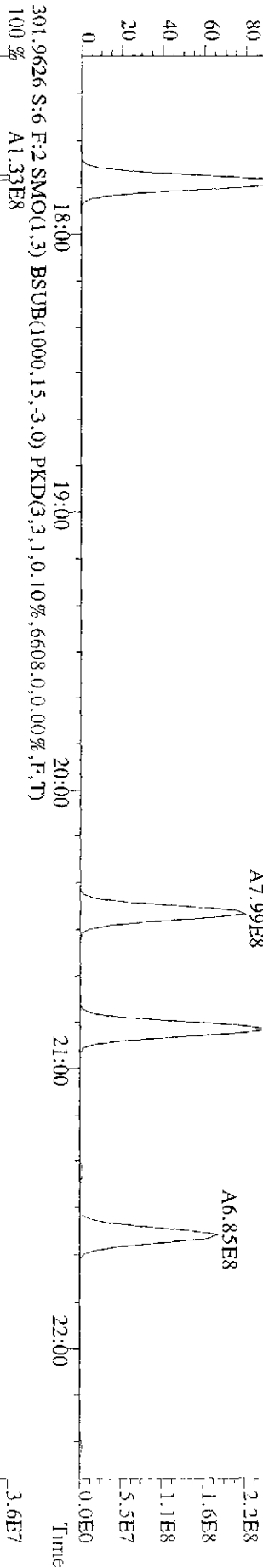
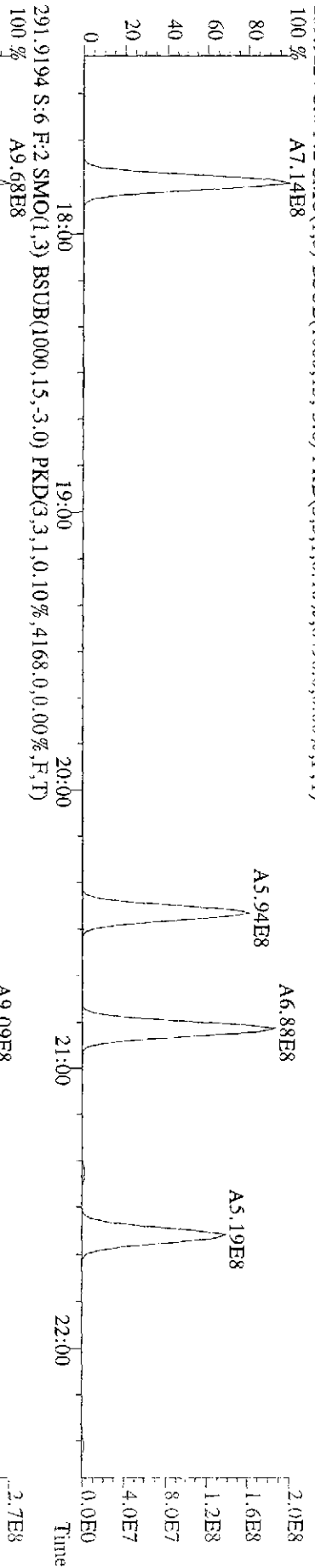
269.9986 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,96652,0,1,00%,F,T)  
 100%



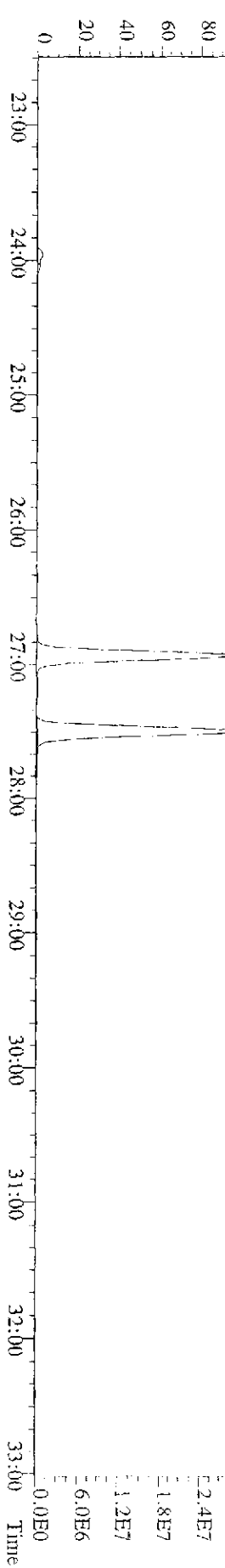
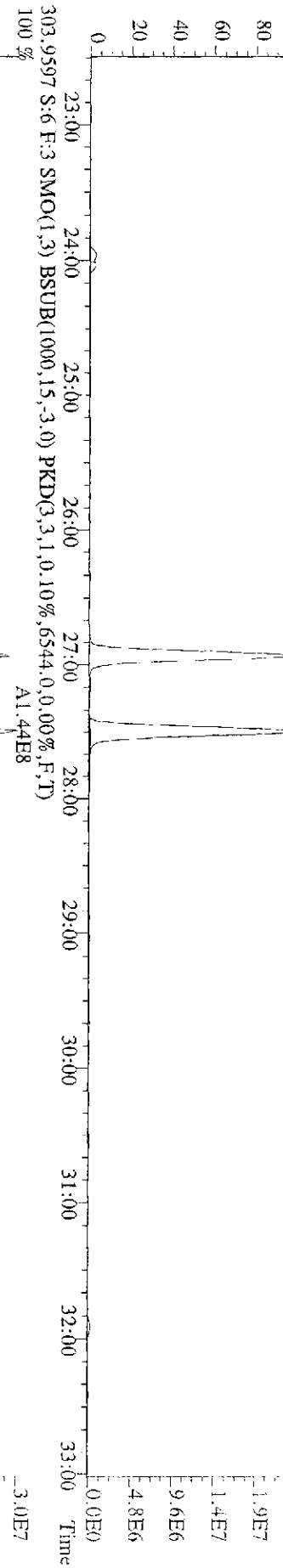
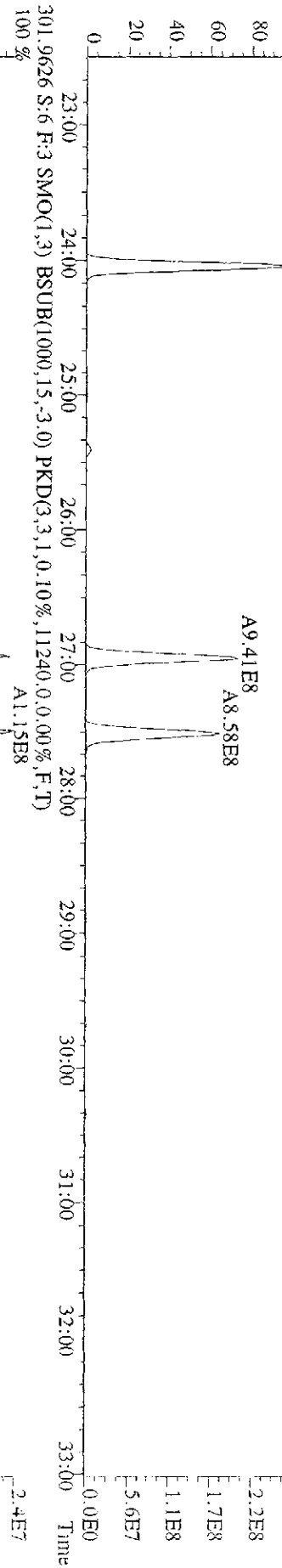
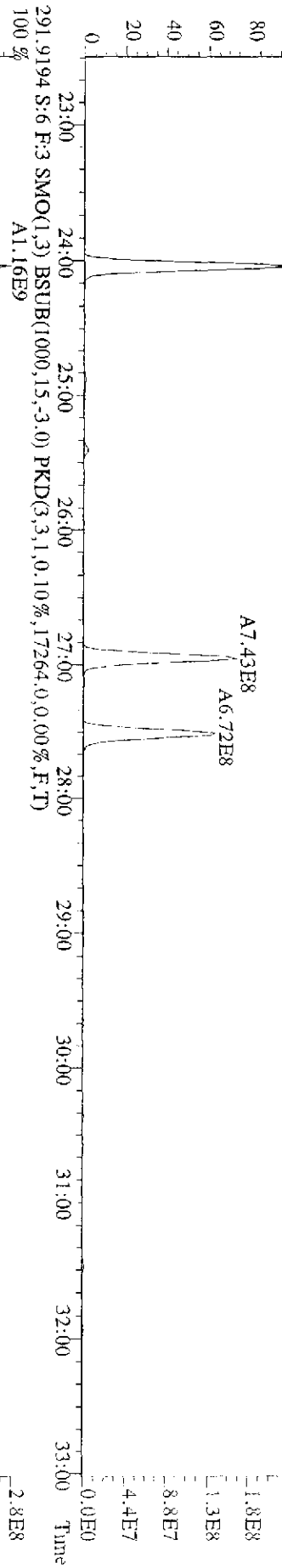
File: 09JUL09E9D5 #1-372 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text: ST0709E :CS5 09DXN209 Exp: 209DB5  
 255.9613 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,22324,0,1,00%,F,T)  
 100%



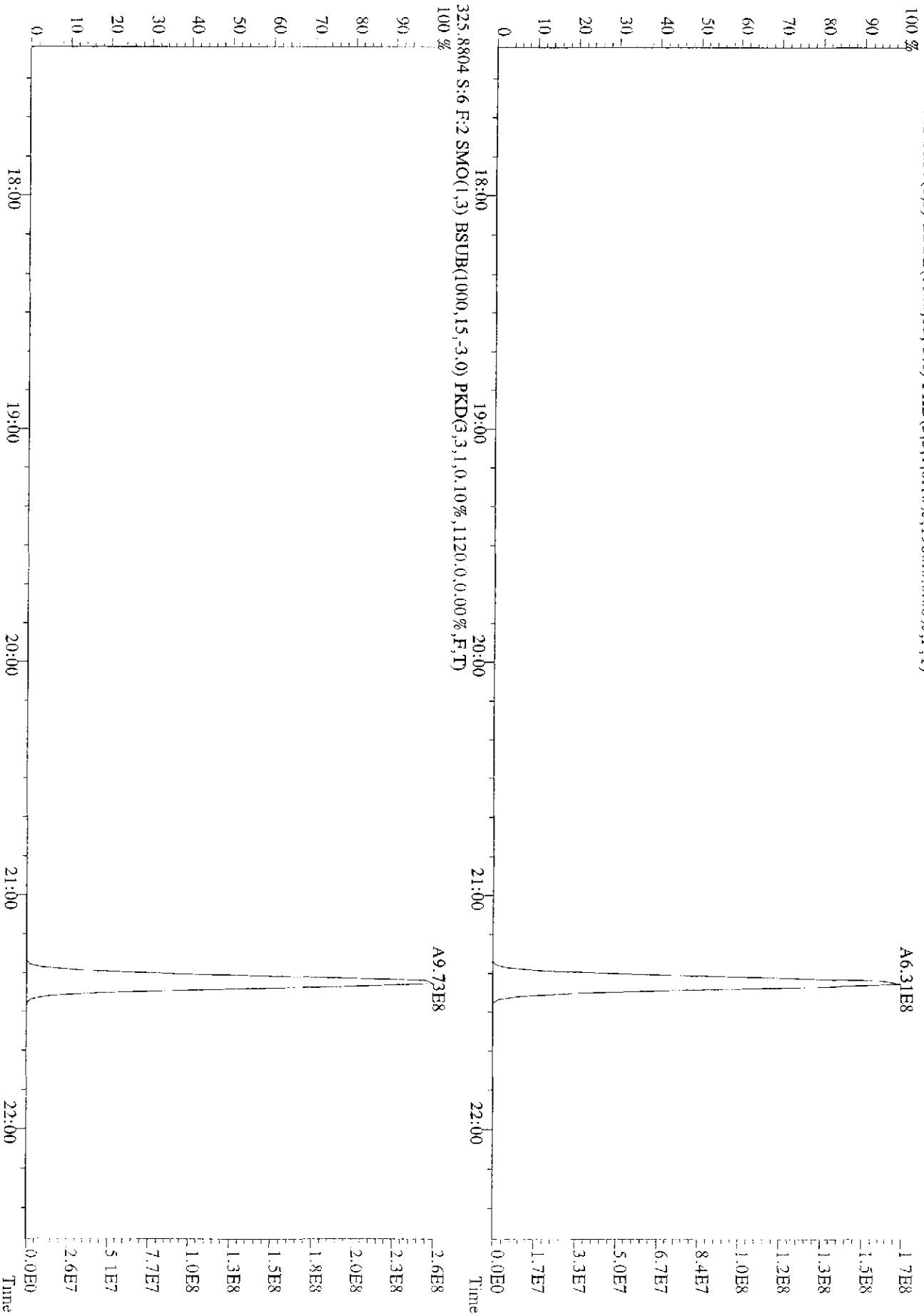
File:09JL09E9D5 #1-372 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0709E :CS5 09DXN209 Exp:209DB5  
 289.9224 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,6496,0,0.00%,F,T)



File:091L09E9D5 #1-593 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 289.9224 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,11736,0,0,00%,F,T)  
 100% A9.11E8

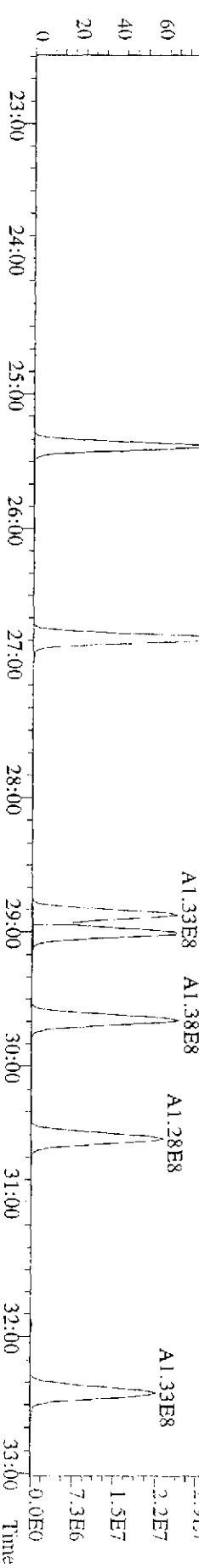
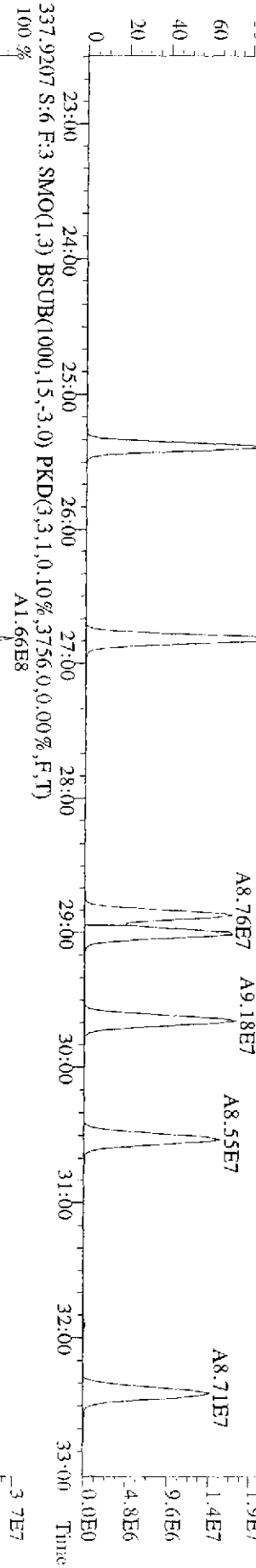
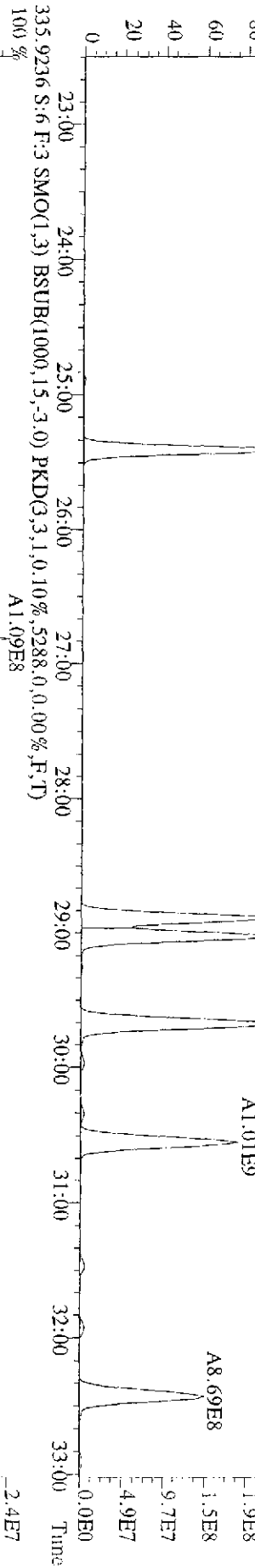
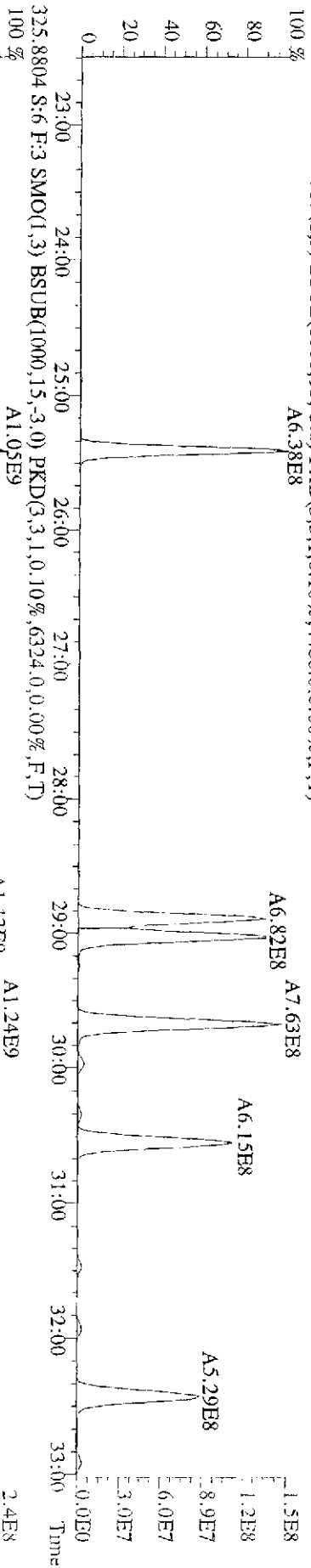


File:09JUL09E9D5 #1-372 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
323.8834 S:6 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1960,0,0,00%,F,T)  
100 %

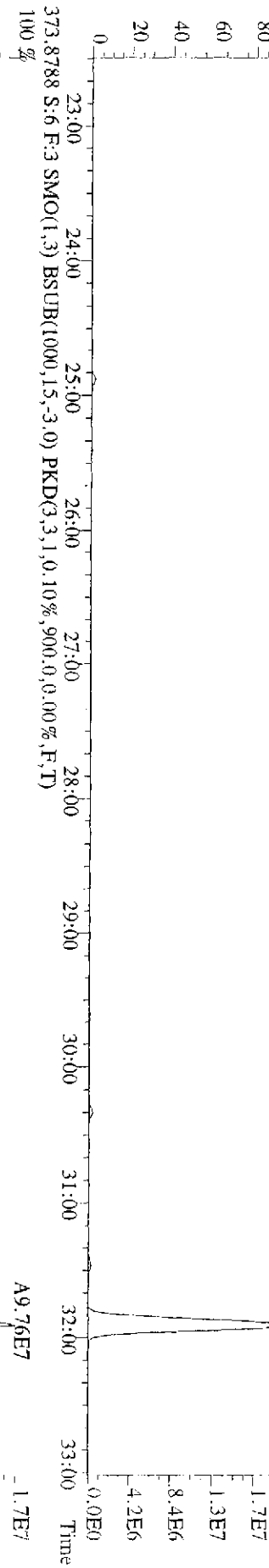
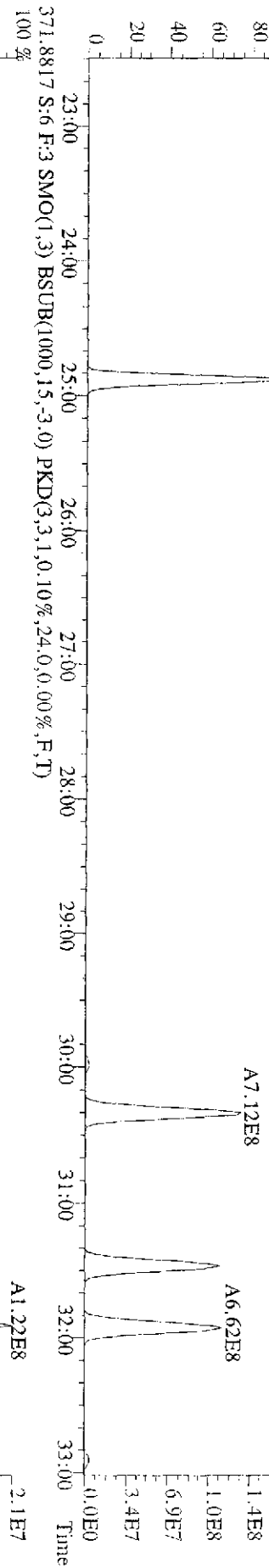
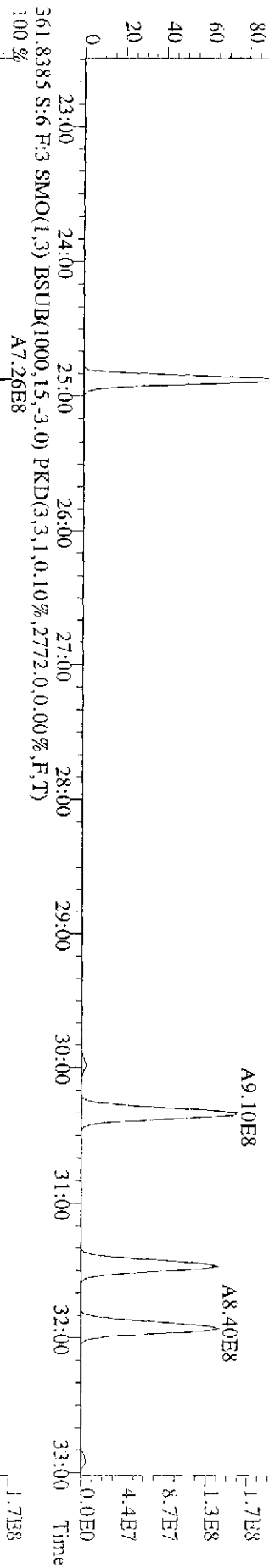




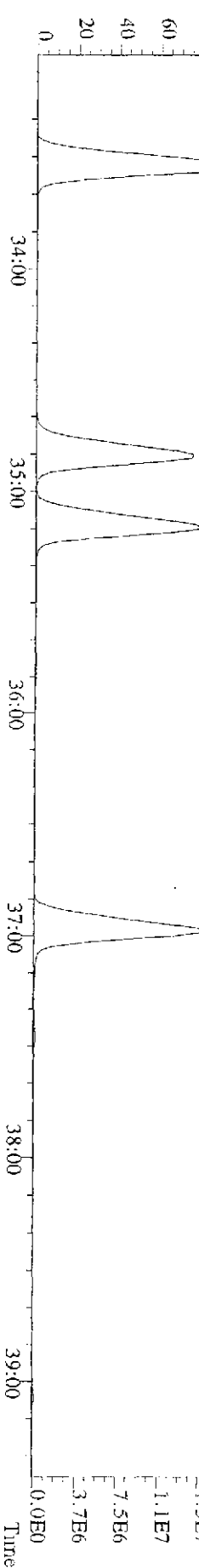
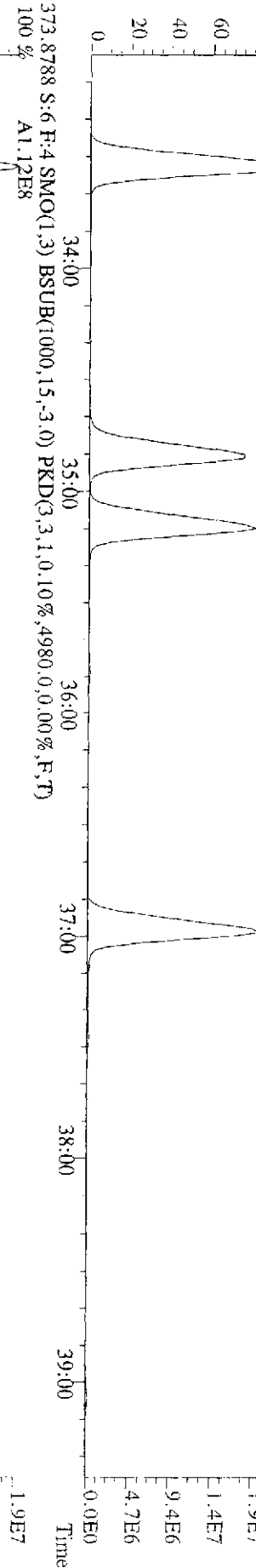
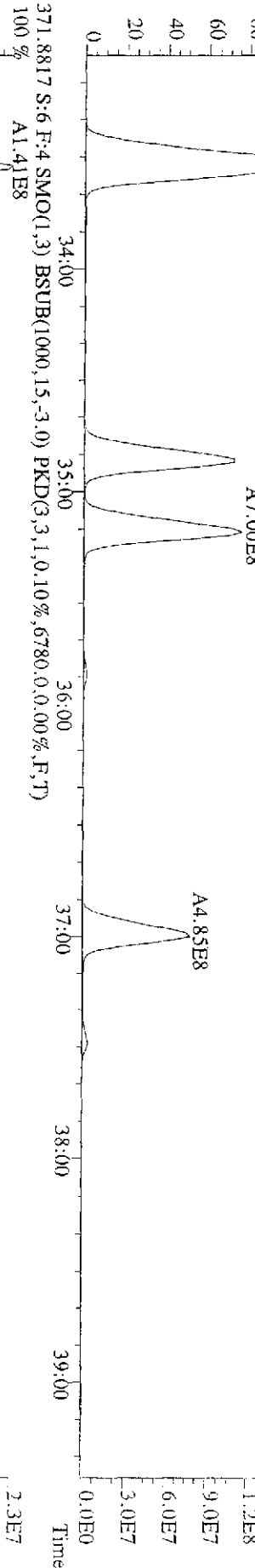
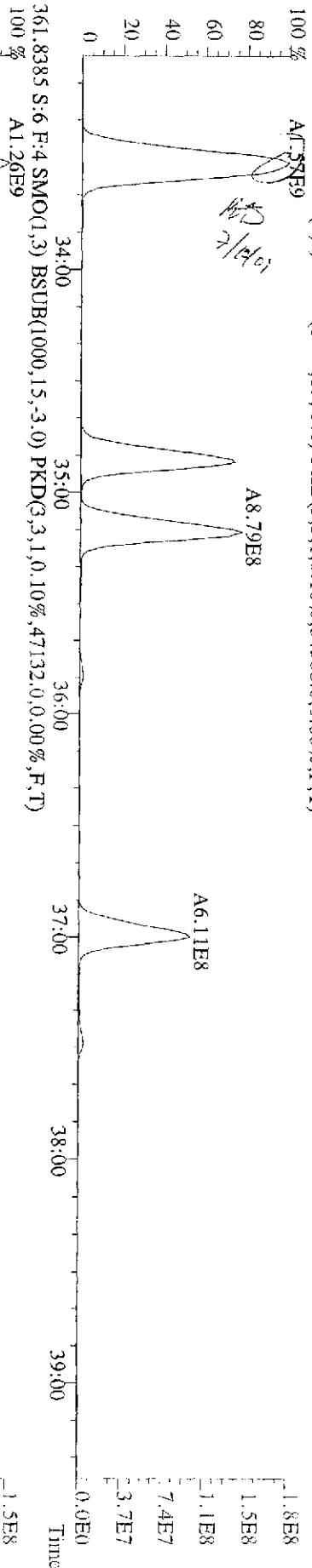
File: 09JUL09E9D5 #1-593 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 323.8834 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,4488.0,0.00%,F,T)  
 100 %



File:091L09E9D5 #1-593 Acq: 9-JUL-2009 23:48:27 GC E1+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 359.8415 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2772.0,0.00%,F,T)  
 100% A9.31E8



File:09JUL09E0D5 #1-390 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 359.8415 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,54508.0,0.00%,F,T)  
 100% A1.26E9

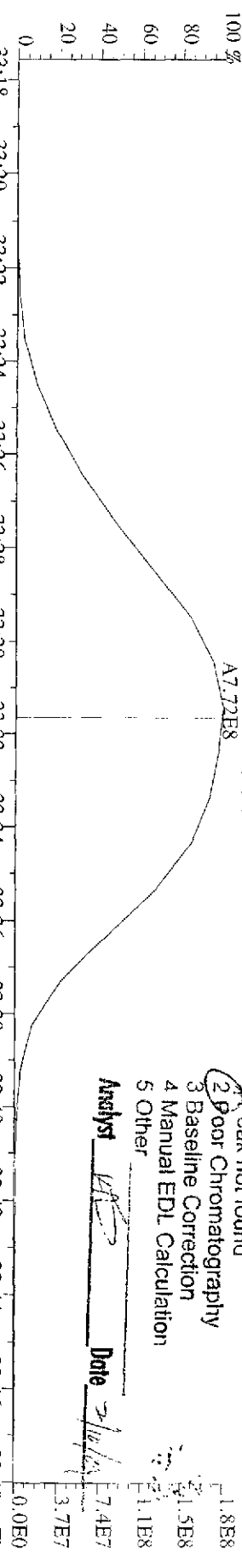


File:09JUL09E9D5 #1-390 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimatB  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 359.8415 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,54508,0,0.00%,F,T)

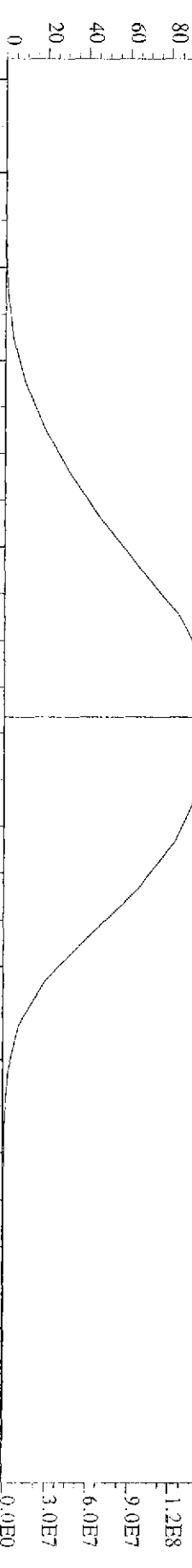
**MANUAL EDIT CODES**

- 1 Peak not found
- 2  Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst WFE Date 7/16/09

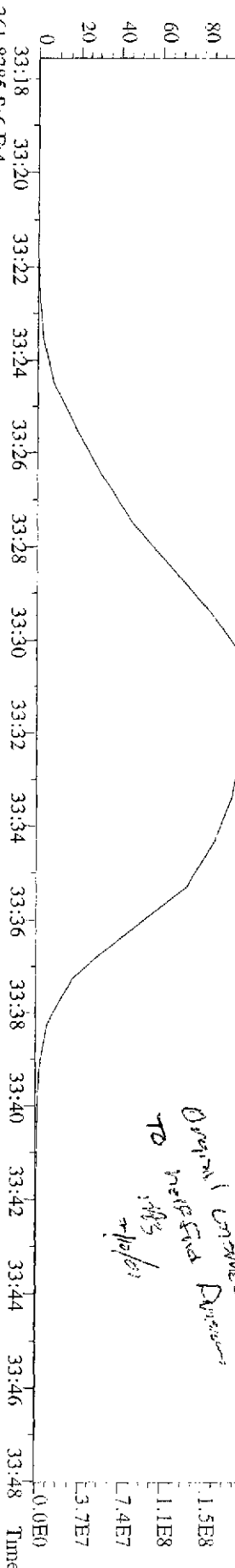


361.8385 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,47132,0,0.00%,F,T)  
 A6.29E8

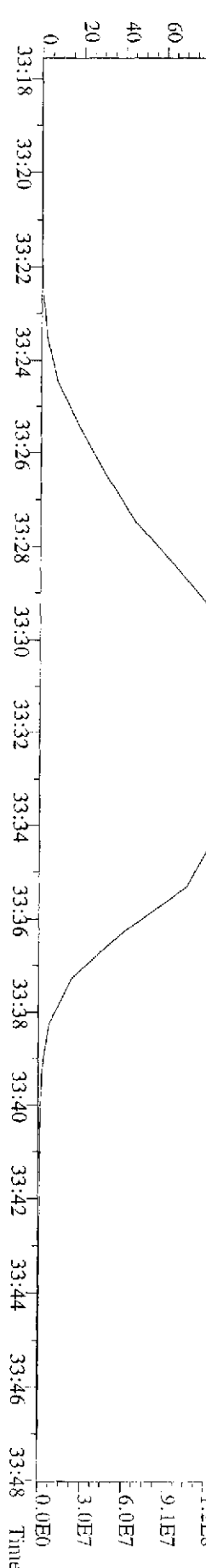


359.8415 S:6 F:4  
 A7.72E8

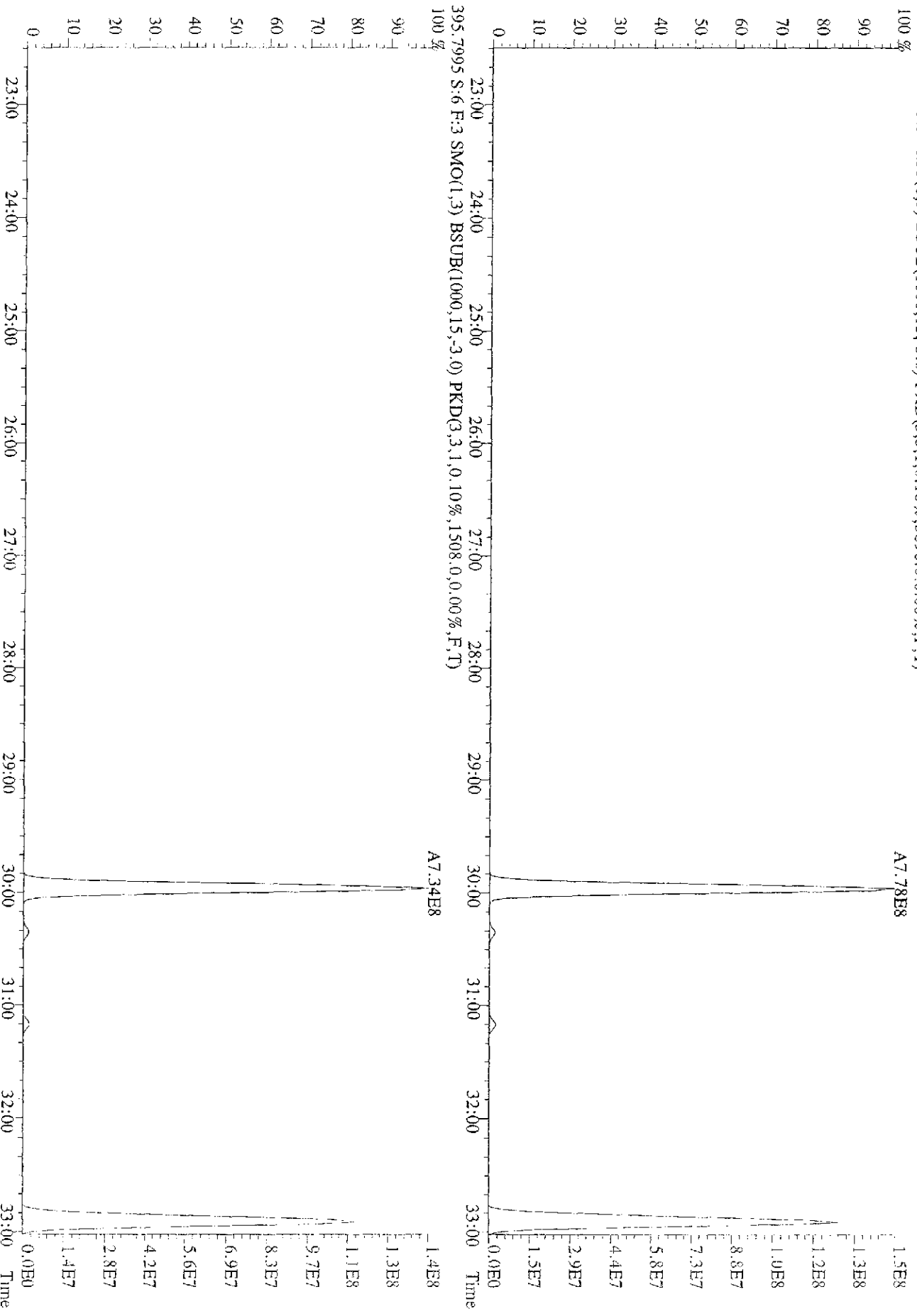
*Original Chromatogram  
 to help find  
 the peak*



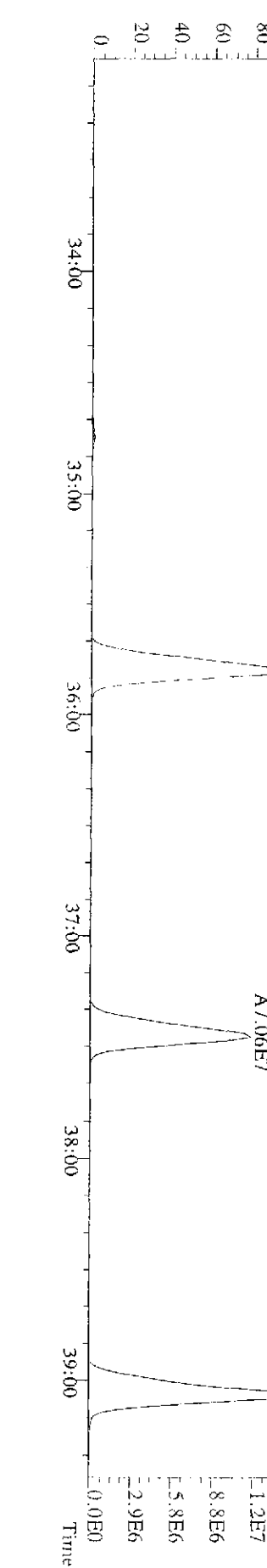
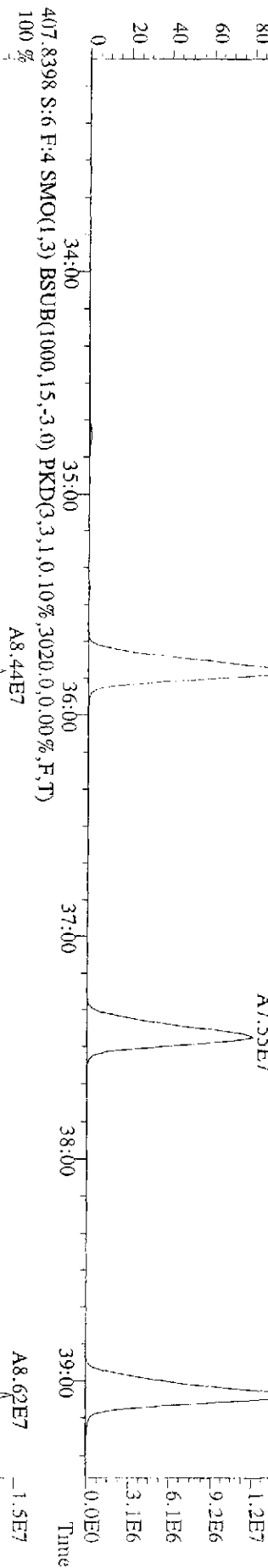
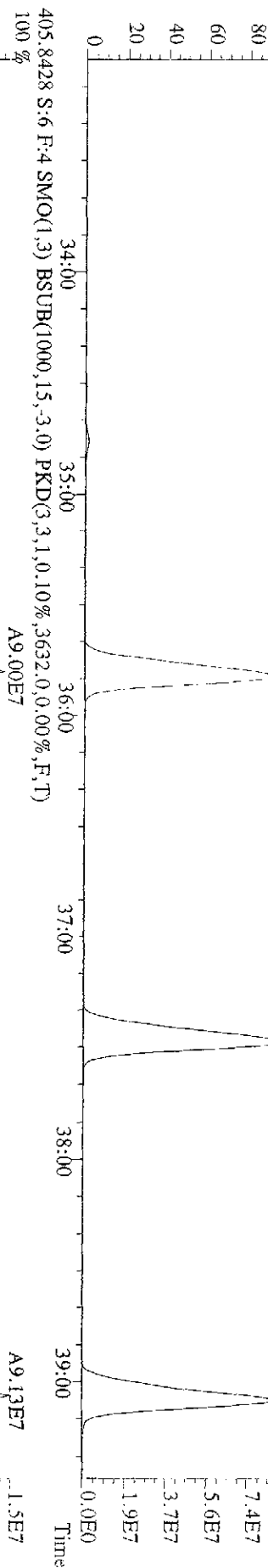
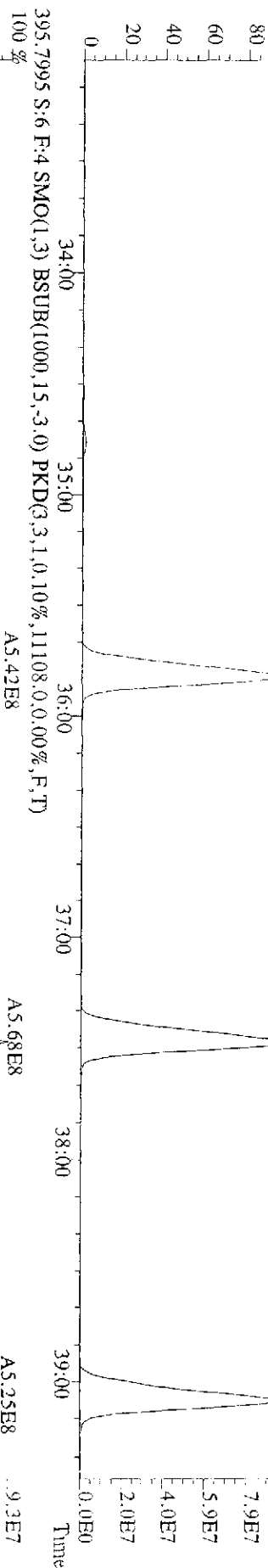
361.8385 S:6 F:4  
 A7.72E8



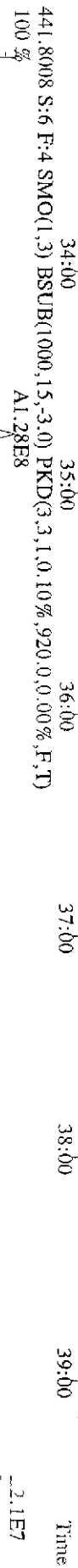
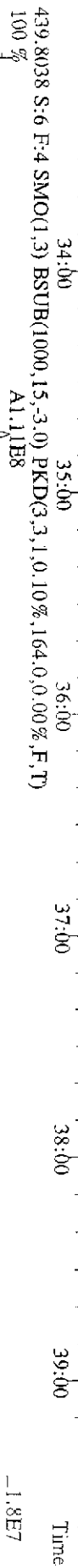
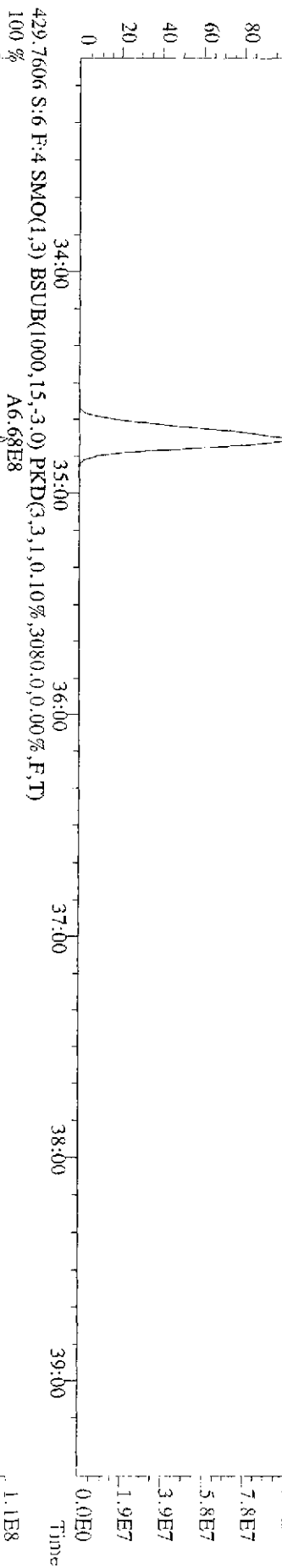
File:091109E9D5 #1-593 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 393.8025 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1508.0,0,0,00%,F,T)



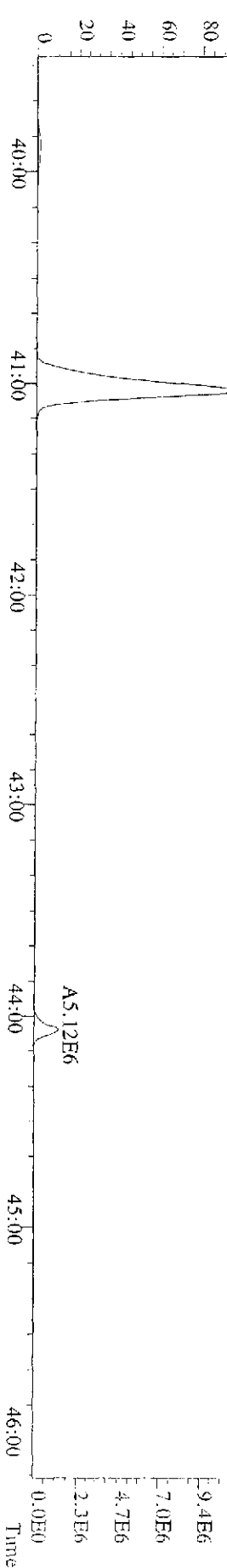
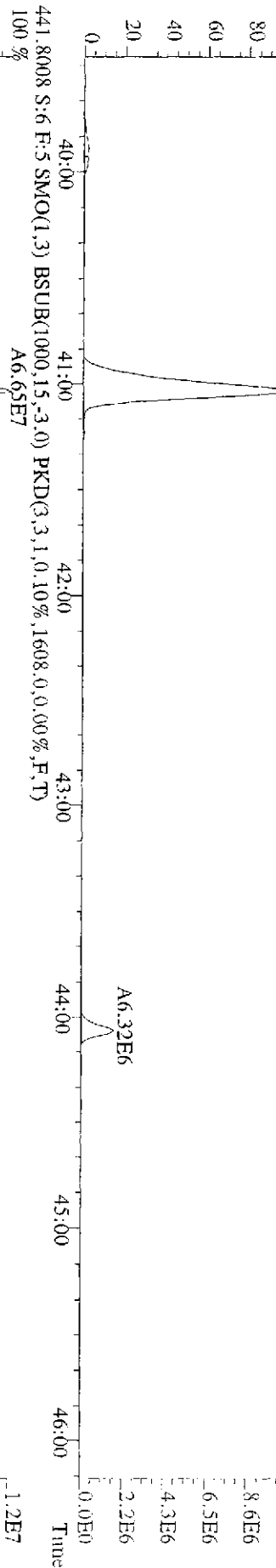
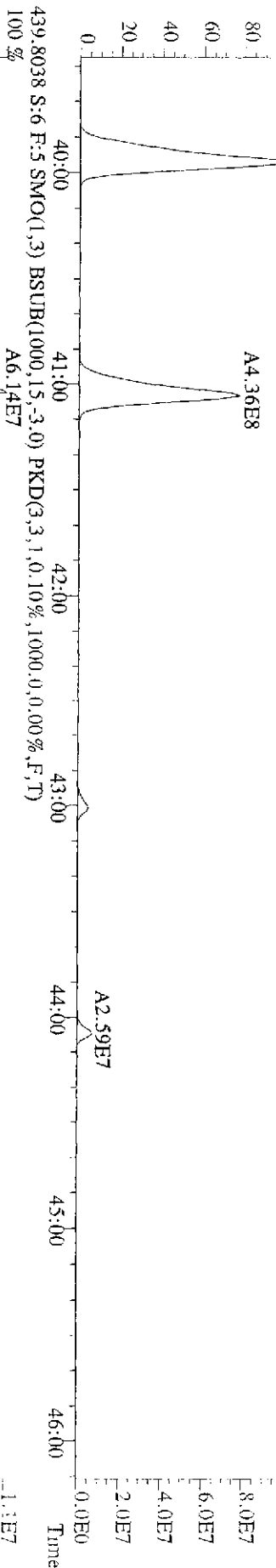
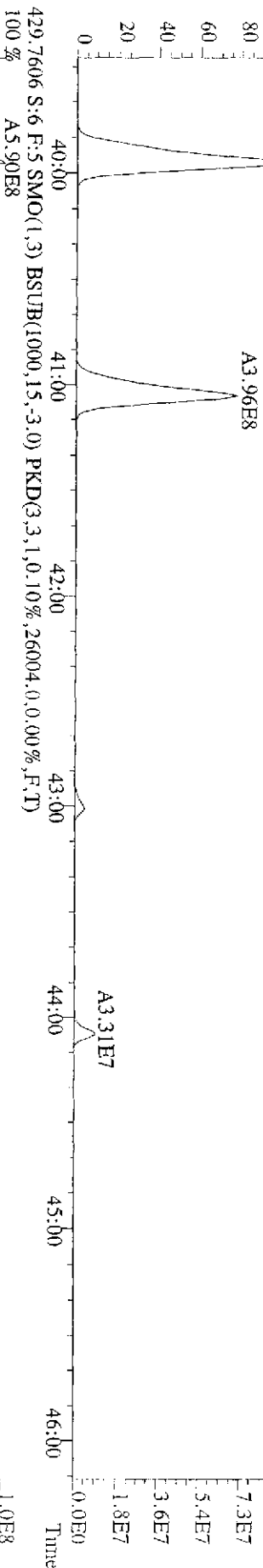
File:09JL09E9D5 #1-390 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 393.8025 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,14292,0,0,00%,F,T)  
 100 %



Title: 091109E9D5 #1-390 Acq: 9-JUL-2009 23:48:27 GC-ELI+ Voltage: SIR Autospec-Ultimate  
 Sample#6 Text: ST0709E :CSS 09DXN209 Exp: 209DB5  
 427.7635 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2308,0,0,00%,F,T)  
 100 % A6.02E8

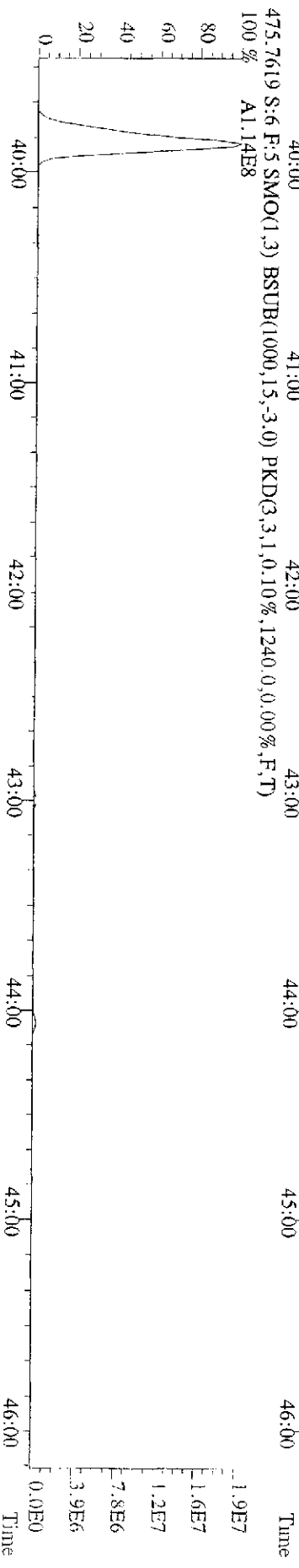
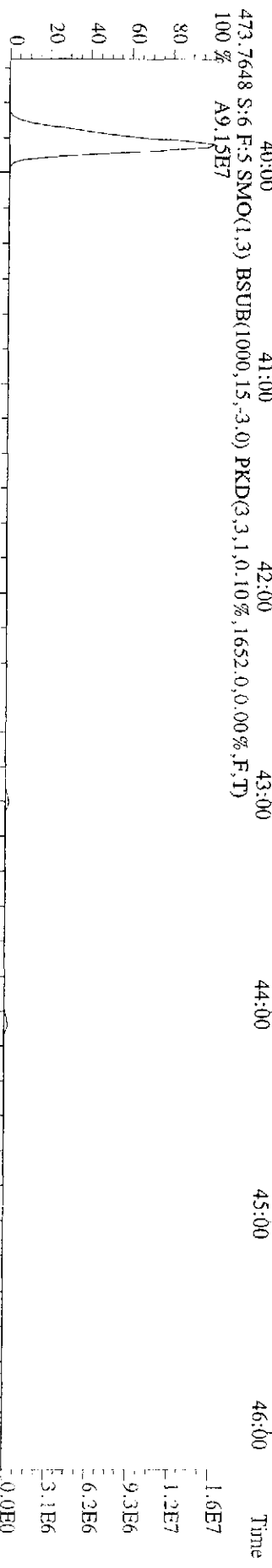
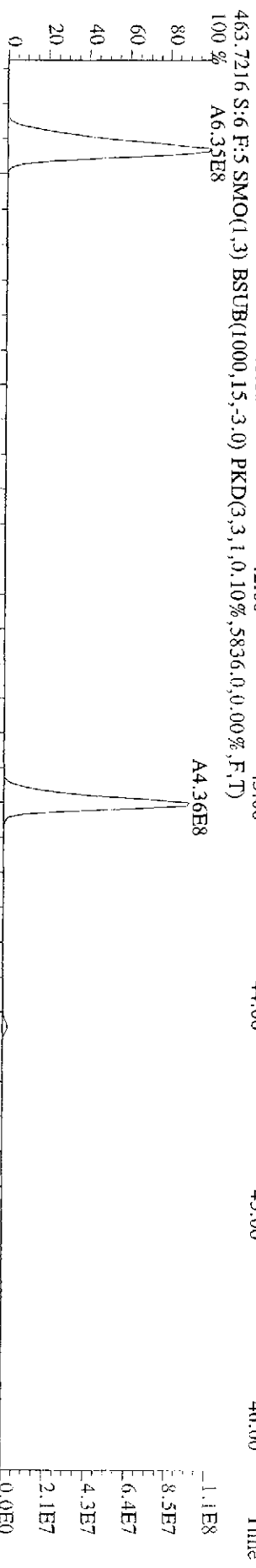
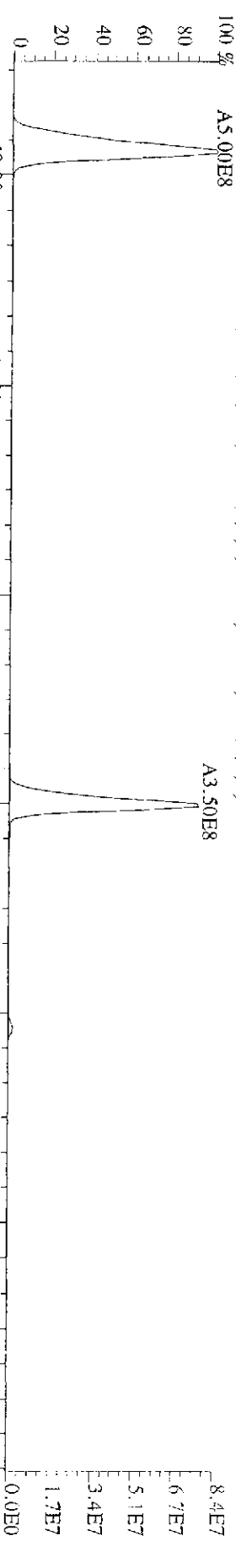


File:09JUL09E9D5 #1-447 Acq: 9-JUL-2009 23:48:27 GC EI+ Vollage SIR Autospec-Ultimate  
 Sample#6 Texc:ST0709E :CSS 09DXN209 Exp:209DB5  
 427.7635 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,22148,0,0,0.00%,F,T)  
 100% A5.33E8

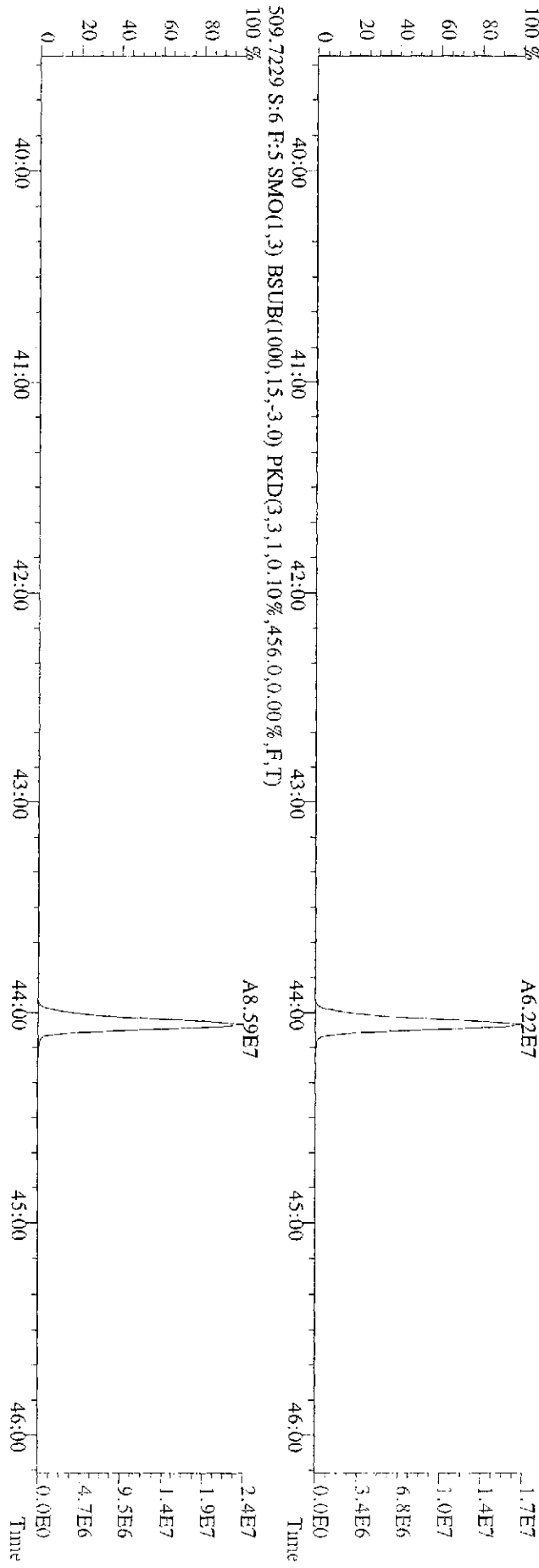
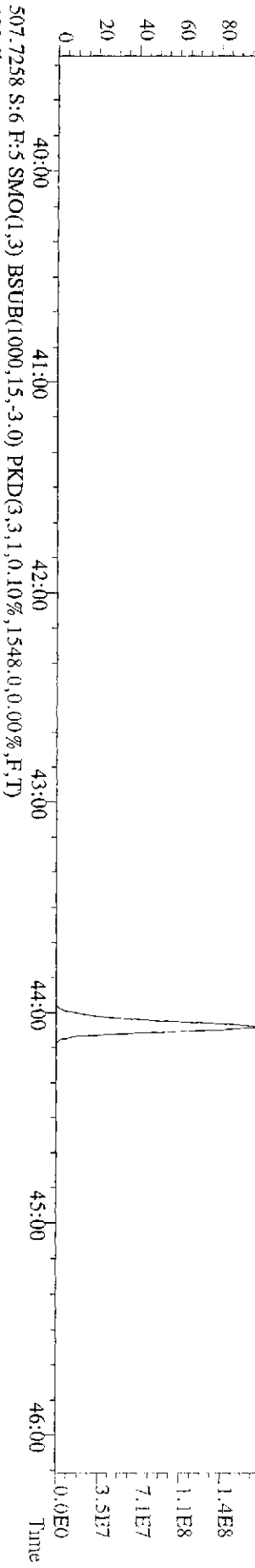
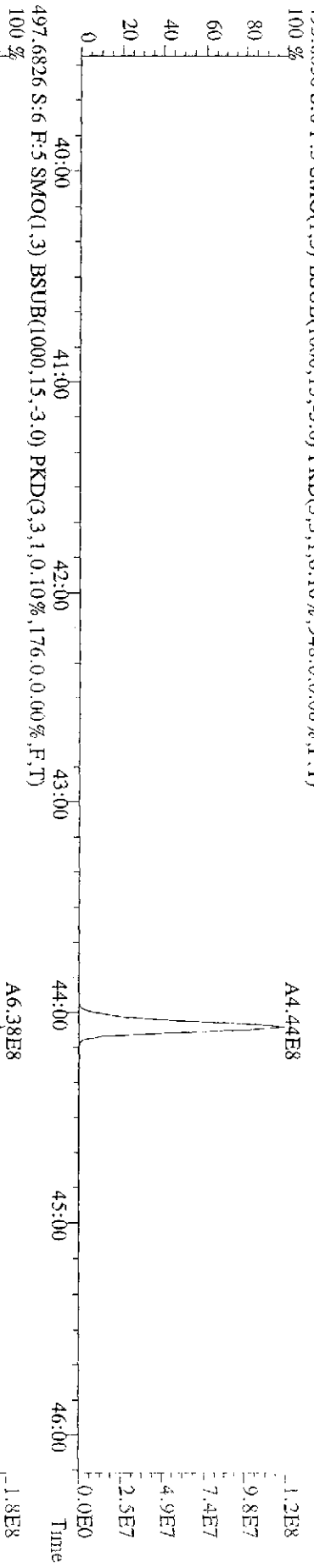




File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 461.7245 S:6 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4516,0,0.00%,F,T)  
 100% A5.00E8



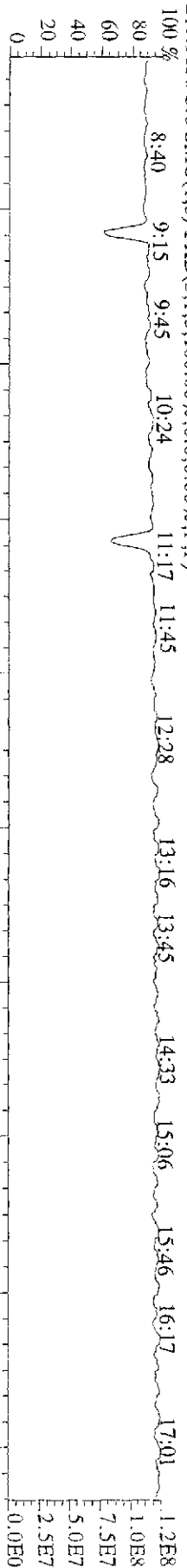
File:09JL09E9D5 #1-447 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5  
 495.6856 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,948,0,0,00%,F,T)



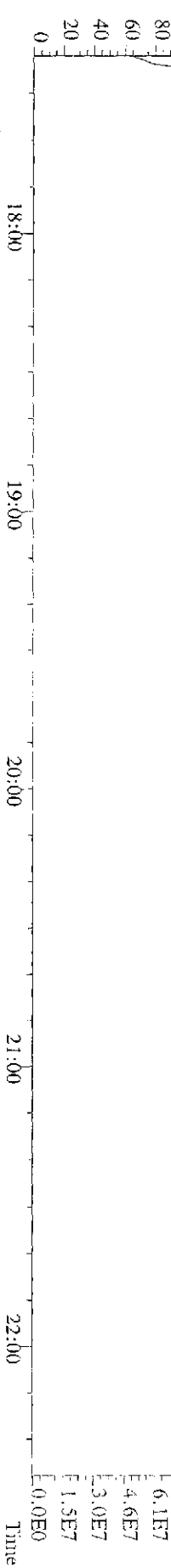
File:09JUL09E9D5 #1-633 Acq: 9-JUL-2009 23:48:27 GC EI+ Voltage SIR Autospec-UHimate

Sample#6 Text:ST0709E :CSS 09DXN209 Exp:209DB5

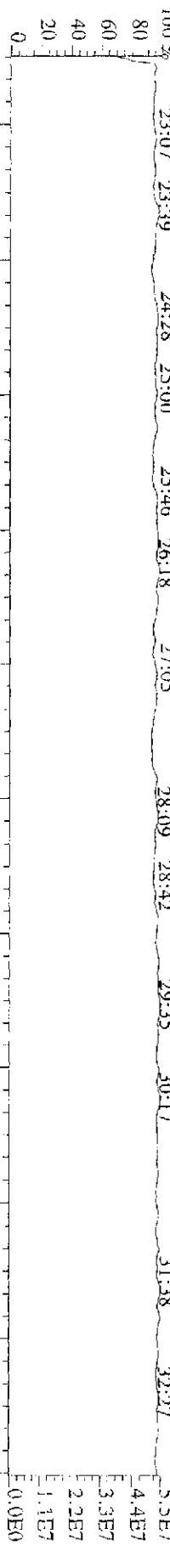
218.9856 S:6 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



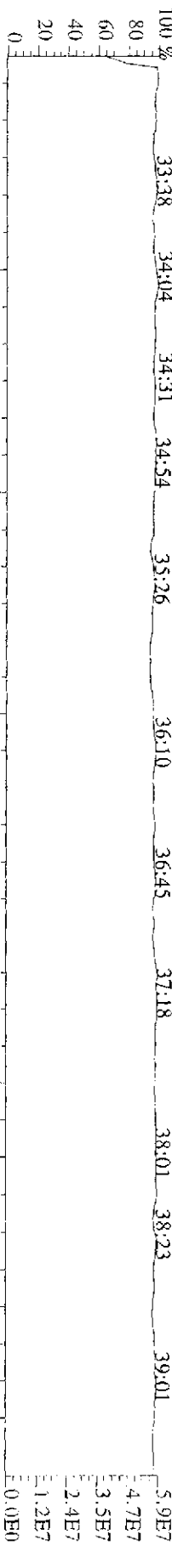
330.9792 S:6 F:2 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



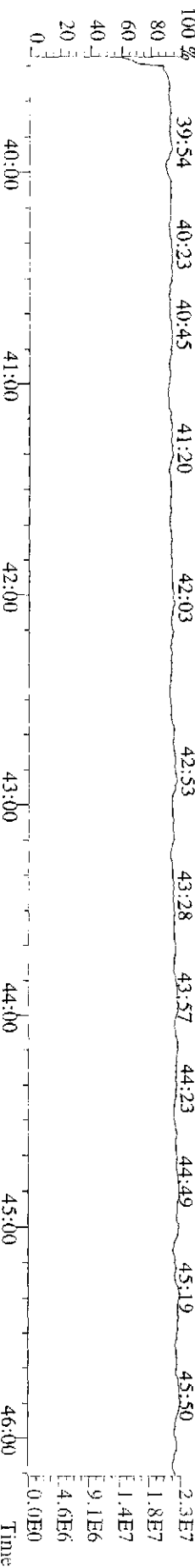
380.9760 S:6 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



380.9760 S:6 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



480.9696 S:6 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

**TestAmerica West Sacramento**  
**High Resolution Prep Log**  
**PCB Solid Analysis**

Box # 54  
 Shared QC Batch: 9/28/09  
 Shares QC With: NA

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

Internal COC:	
Delivered to Inst.:	<u>J 9-28-09</u>
Inst Receipt:	

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	<u>H2051</u>
Hexane	Baker	<u>H20E18</u>
H2SO4	Baker	<u>NA</u>
20% DCM Hexane	NA	<u>NA</u>
65% DCM Hexane	NA	<u>NA</u>
Silica Gel	<u>Whatman</u>	<u>27-22</u>
Acid Alumina	<u>NA</u>	<u>NA</u>

**Batch: 9268276**  
 MS Run #.  
 Prep Date: 9/25/2009  
 Method: Q8 1668  
 Matrix: A SOLID  
 Extraction: 4W SOXHLET (NOMINAL)  
 QC: 6Q CLIENT: STD BZ  
 SAC: Q8 - A - 4W - 6Q

Soxhlet time on: 1700 Soxhlet time off: 1600

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 10g nom.	Final Volume		Analysis Hold Time Expires
					20uL	Other	
G9I030266 - 6		LKAGX1AC	8/8/2010	<u>0.70</u>			8/8/2010
G9I030266 - 7		LKAG21AC	8/8/2010	<u>11.52</u>			8/8/2010
G9I250000 - 276	B	LLGR41AA	8/8/2010	<u>10.00</u>		<u>9-28-09</u>	8/8/2010
G9I250000 - 276	C	LLGR41AC	8/8/2010	<u>10.00</u>			8/8/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs: \* sample #7 had a fv=200uL. The sample could not be concentrated any further. J 9-28-09

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:	
Internal Standard All Samples	<u>1001090X012</u>	<u>0-24-10</u>	<u>(initials)</u>	<u>JL</u>	<u>9-25-09</u>	
Spike Mix LCS/LCSD/MS/MS	<u>1101090X014</u>					
Cleanup Standard All Samples						
Recovery Standard All Samples	<u>2041090X094</u>	<u>1-28-10</u>	<u>L</u>	<u>T.L</u>	<u>9-28-09</u>	
Soxhlet Extraction Analyst/Date	<u>OC/9-25-09</u>					
	Split/Archive Analyst/Date	Option C Analyst/Date	PCB Silica Gel Analyst/Date	PCB Acid Alumina Analyst/Date	Hg Analyst/Date	GPC Analyst/Date
			<u>T.L 09/28/09</u>			

Data Checklist  
HRGCMS/LRGCMS Analyses

THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 9268276 Method ID: 1668

	<u>DB-5</u>	<u>DB-225</u>
Data Analyst:	<u>Sh</u>	
Date initiated:	<u>9/30/09</u>	
Reviewer:	<u>[Signature]</u>	
Date reviewed:	<u>9/30/09</u>	

QA/QC verification:	<u>Initiated</u> <u>DB-5</u>	<u>Reviewed</u> <u>DB-5</u>	<u>Initiated</u> <u>DB-225</u> (High Res Only)	<u>Reviewed</u> <u>DB-225</u> (High Res Only)
-Daily standard package(s) present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Method Blank present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
-LCS/DCS copy present and meets native recovery criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard recoveries within limits?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Ion ratios within + 15% of theoretical values?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Other QC (Dup,MS,SD) within specs?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Analysis:	<u>Initiated</u> <u>DB-5</u>	<u>Reviewed</u> <u>DB-5</u>	<u>Initiated</u> <u>DB-225</u> (High Res Only)	<u>Reviewed</u> <u>DB-225</u> (High Res Only)
-Correct sample aliquot used?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All raw data present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Standard target DL's used? If RL's are used specify: _____	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-DL's below TD / LCL (please circle)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All positives reported at levels greater than method blank DL's?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Correct RRF's used for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard amounts correct for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Target analytes are not saturated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Dilution/splitting of extract taken into account?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Have dilution calculations been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Has a manual calculation for the sequence(s) been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Are retention times (RT) correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Manual integrations checked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Comments:** (Use other side if necessary) (1) 96984

* Recovery limits:	
NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614	25-150%***

**RPD limits:
50%
20%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

Preparation Data Review Checklist

Prep Batch(es) 9208742 Test: WVCS  
 Prep Date: 9.25.09 Holding Times: 6.8.10 NCM: Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	/	/
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	/	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	/	NA
4. Worksheets have been checked for required spiking compounds	/	/
5. Spiking volumes are correctly documented	/	/
6. Std ID numbers on spike labels match numbers on bench sheet	/	NA
7. Expiration dates have been checked	/	/
8. Calibration expiration dates on pipettors have been checked	/	NA
9. Spiker and spike witness have signed and dated bench sheet	/	/
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	/
2. Balance upload or raw data for weights is included	NA	/
3. Weights and volumes have been transcribed correctly to LIMS.	NA	/
4. Weights are not targeted to meet exact weights.	NA	/
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	/
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	/
2. Are dates and analysts for cleanups recorded?	NA	/
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	/
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMs entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: [Signature]  
 2<sup>nd</sup> Level Reviewer: [Signature]

Date: 9/25/09  
 Date: 9/25/09

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# AIR, 1668, WHO PCB congeners



# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

Quantity Sample Summary Report Masslynx 4.1

Dataset: C:\Masslynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:26:57 Pacific Daylight Time

Name: 09SE0910D5\_16, Date: 09-Sep-2009, Time: 23:33:56, ID: LKFNG-1-AA, Description: G91030266-1MB, Task:

# Name	Trace	Sample Size	RT	Ptd RT	RRF M...	Abs Resp	pg	EMPC	%Fac	EDL	Ratio	Ptd Ratio	Ratio ...	Mod Date
1 13C-PeCB-101	335 924	0.500	32.30	32.31	1.000	1173904.50	4000.0000	4000.0000	100.0	5.0425	0.635	0.610	NO	
2														
3 13C-TeCB-81	301 963	0.500	34.21	34.21	1.040	1007193.88	3300.4499	3300.4499	82.5	3.4720	0.794	0.770	NO	
4 TeCB-81	289 922	0.500	34.23	34.21	1.458	423.96	1.1545	0.6865	< RL	0.8285	0.349	0.770	YES	
5 13C-TeCB-77	301 963	0.500	34.90	34.90	1.104	1067744.53	3294.6357	3294.6357	82.4	3.2694	0.792	0.770	NO	
6 TeCB-77	289 922	0.500	34.95	34.90	1.271	775.31	2.2859	2.2859	< RL	0.9827	0.671	0.770	NO	
7														
8 13C-PeCB-123	335 924	0.500	36.57	36.56	0.993	1020591.53	3501.2758	3501.2758	87.5	5.0768	0.626	0.610	NO	
9 PeCB-123	323 883	0.500	36.78	36.57	1.505	5508.38	14.3411	14.3411	ND	0.7294	0.549	0.610	NO	
10 13C-PeCB-118	335 924	0.500	36.74	36.73	1.024	1093208.84	3637.4734	3637.4734	90.9	4.9239	0.641	0.610	NO	
11 PeCB-118/106	323 883	0.500	37.53	36.74	1.525	1047889.72	3443.5153	3443.5153	86.1	0.6920	0.635	0.610	NO	
12 13C-PeCB-114	335 924	0.500	37.53	37.50	1.037	1047889.72	3443.5153	3443.5153	86.1	4.8630	0.635	0.610	NO	
13 PeCB-114	323 883	0.500	37.53	37.53	1.586	1096551.44	3806.8176	3806.8176	95.2	0.6901	0.632	0.610	NO	
14 13C PeCB-105	335 924	0.500	38.60	38.57	0.982	1096551.44	3806.8176	3806.8176	95.2	5.1375	0.632	0.610	NO	
15 PeCB-105/127	323 883	0.500	38.62	38.60	1.433	1933.28	4.9204	4.3925	< RL	0.7418	0.511	0.610	YES	
16 13C-PeCB-126	335 924	0.500	40.90	40.87	1.030	1213218.94	4013.6029	4013.6029	100.3	4.8957	0.628	0.610	NO	
17 PeCB-126	323 883	0.500	40.90	40.90	1.156	1213218.94	4013.6029	4013.6029	100.3	0.8950	0.610	0.610	NO	
18														
19 13C-OcCB-202	439 804	0.500	43.71	43.73	1.000	1315375.31	4000.0000	4000.0000	100.0	1.5672	0.895	0.890	NO	
20														
21 13C-HXCB-167	371 882	0.500	42.26	42.25	1.002	1138791.66	3454.4967	3454.4967	86.4	3.5111	1.280	1.240	NO	
22 HXCB-167	359 841	0.500	42.20	42.26	1.348	925.56	2.4118	1.1170	< RL	0.6920	3.836	1.240	YES	
23 13C-HXCB-156	371 882	0.500	43.84	43.85	0.785	1138252.97	4408.8142	4408.8142	110.2	4.4832	1.275	1.240	NO	
24 HXCB-156	359 841	0.500	43.86	43.84	1.688	446.78	0.9299	0.7271	< RL	0.5537	1.865	1.240	YES	
25 13C-HXCB-157	371 882	0.500	44.23	44.22	0.835	1124311.66	4093.2929	4093.2929	102.3	4.2140	1.277	1.240	NO	
26 HXCB-157	359 841	0.500	44.23	44.23	1.660	1155130.78	4031.6690	4031.6690	100.8	0.5861	1.279	1.240	NO	
27 13C-HXCB-169	371 882	0.500	46.45	46.45	0.871	1155130.78	4031.6690	4031.6690	100.8	4.0398	1.279	1.240	NO	
28 HXCB-169	359 841	0.500	46.45	46.45	1.098	1155130.78	4031.6690	4031.6690	100.8	0.8879	1.240	1.240	NO	
29														
30 13C-HpCB-180	405 843	0.500	45.01	44.99	0.684	957463.38	4256.5625	4256.5625	106.4	1.8045	1.048	1.050	NO	
31 HpCB-180	393 803	0.500	45.02	45.01	1.300	1985.28	6.3782	6.3782	< RL	0.8057	0.944	1.050	NO	
32 13C-HpCB-170	405 843	0.500	47.02	47.01	0.548	832339.94	4621.0738	4621.0738	115.5	2.2535	1.052	1.050	NO	
33 HpCB-170	393 803	0.500	47.05	47.02	1.615	1064.48	3.1676	2.8416	< RL	0.7343	1.285	1.050	YES	
34 13C-HpCB-189	405 843	0.500	48.85	48.83	0.698	1128932.19	4920.7178	4920.7178	123.0	1.7692	1.050	1.050	NO	
35 HpCB-189	393 803	0.500	48.85	48.85	1.231	1128932.19	4920.7178	4920.7178	123.0	0.6394	1.050	1.050	NO	

RL = 100.9  
 V8 9.26.09

Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:26:57 Pacific Daylight Time

Name: 09SE0910D5\_16, Date: 09-Sep-2009, Time: 23:33:56, ID: LKFNO-1-AA, Description: G9I030266-1MB, Task:

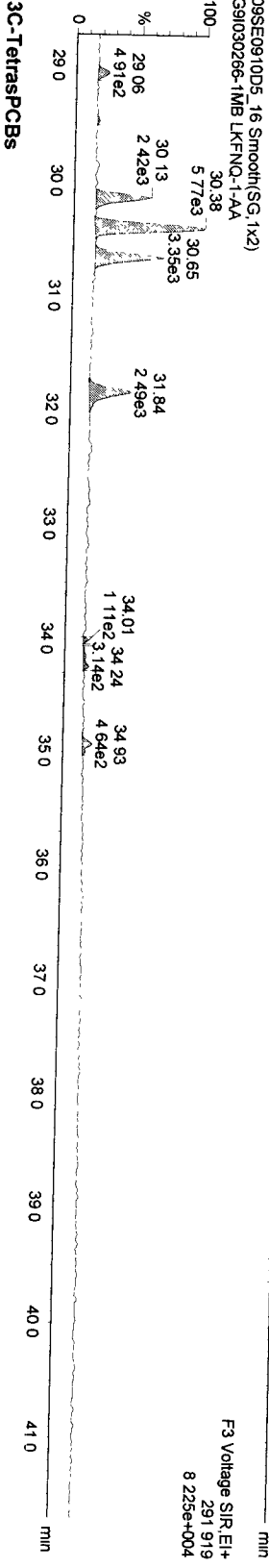
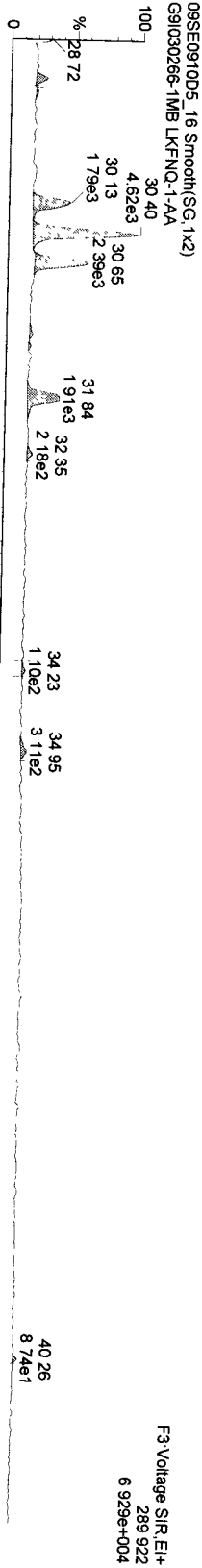
# Name	Trace	Sample Size	RT	Prod:RT	RRF M...	Abs:Resp	pg	EMPC	%Rec	EDL	Ratio	Prod:Ratio	Ratio ...	Mod Date
36														
37	13C-PeCB-111	335.924	0.500	34.08	34.06	1.305	1097938.53	3075.9399	76.9	4.5808	0.617	0.610	NO	
38														
39	Function 3 PFK	380.976	1.000											
40	Function 4 PFK	380.976	1.000											

Dataset: C:\Masslynx\Default.pro\09SE0910D51668MSL.gld

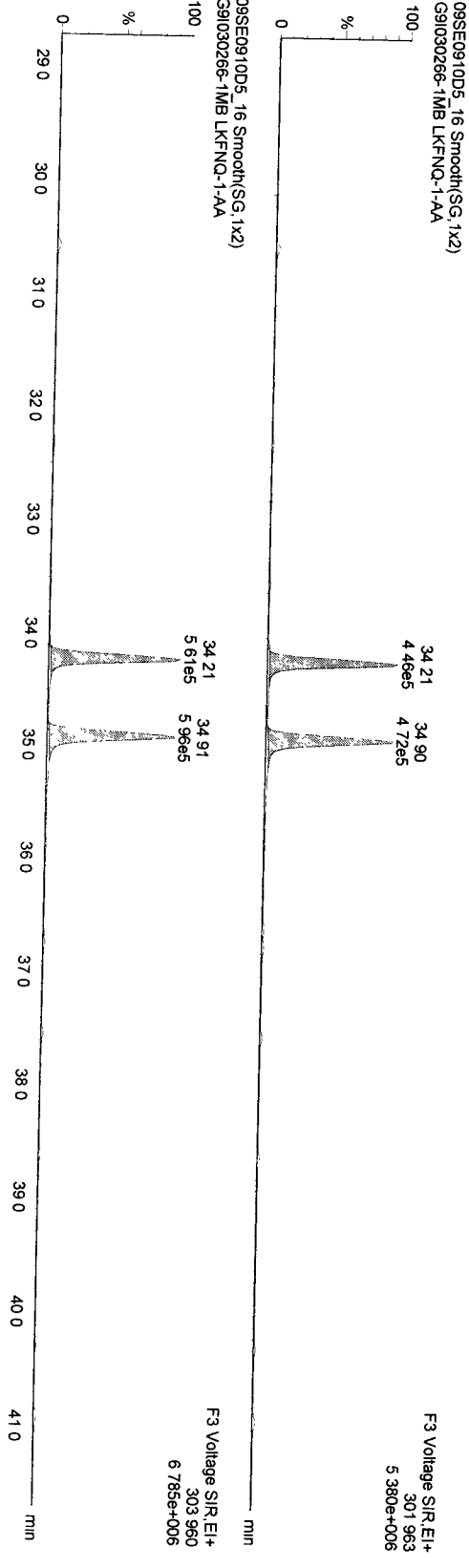
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_16, Date: 09-Sep-2009, Time: 23:33:56, ID: LKFNO-1-AA, Description: G91030266-1MB

**TetrapCBs**



**13C-TetrapCBs**

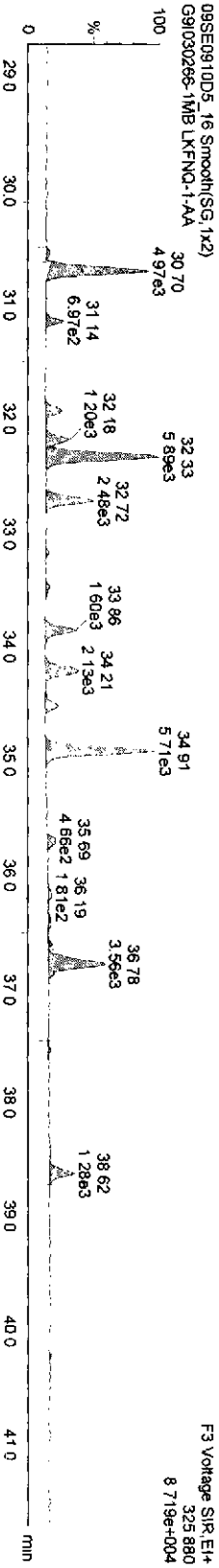
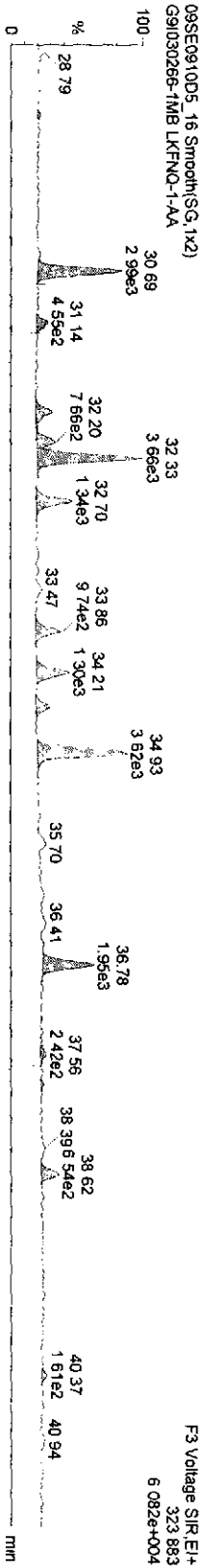


Dataset: C:\Masslynx\Default pro\09SE0910D51668MSL.qld

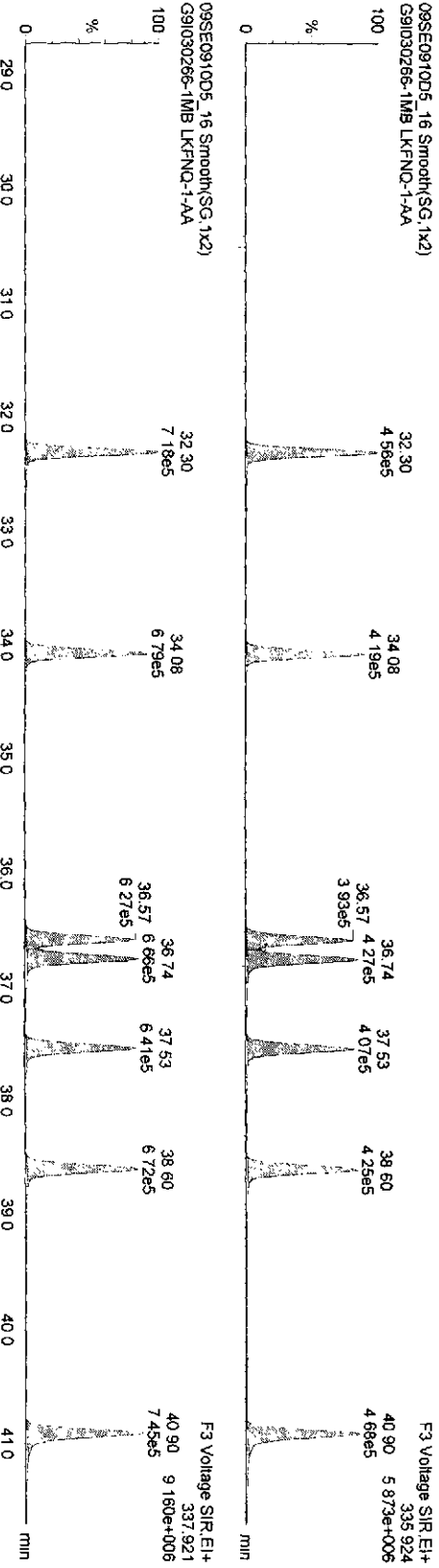
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_16, Date: 09-Sep-2009, Time: 23:33:56, ID: LKFNO-1-AA, Description: G91030266-1MB

**PaPCBs**



**13C-PaPCBs**



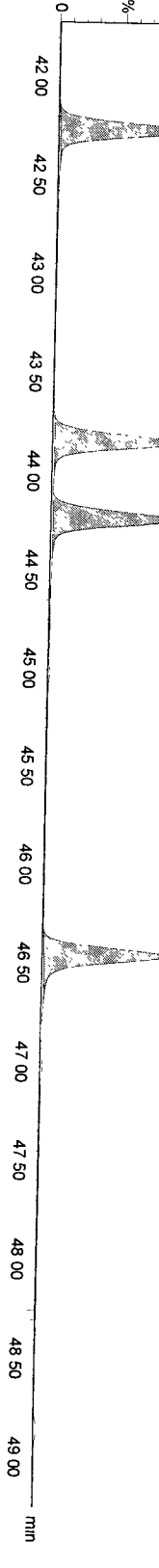
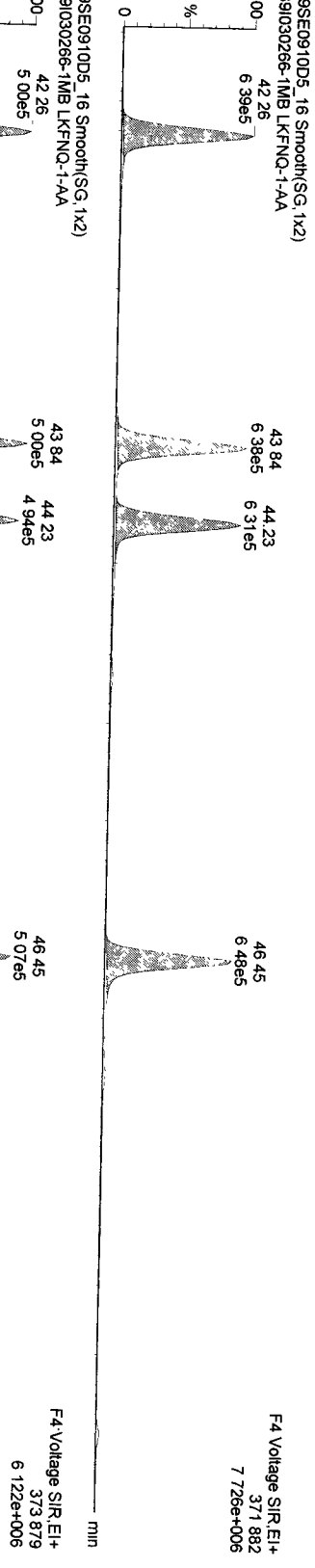
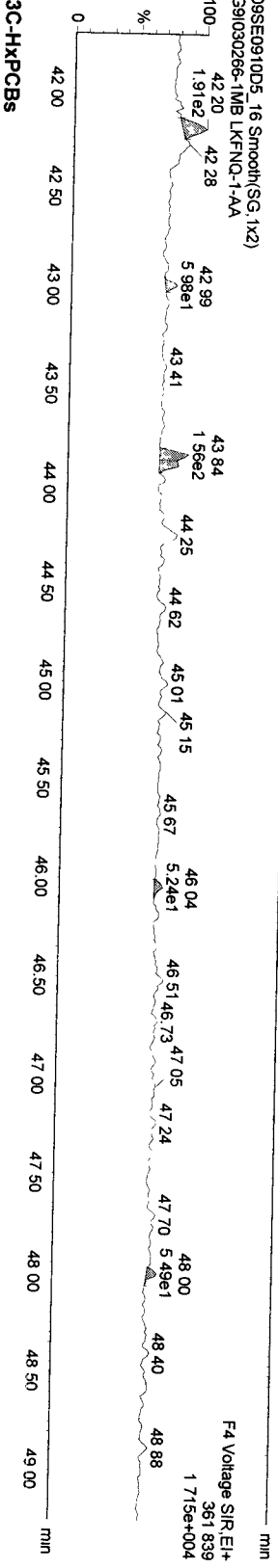
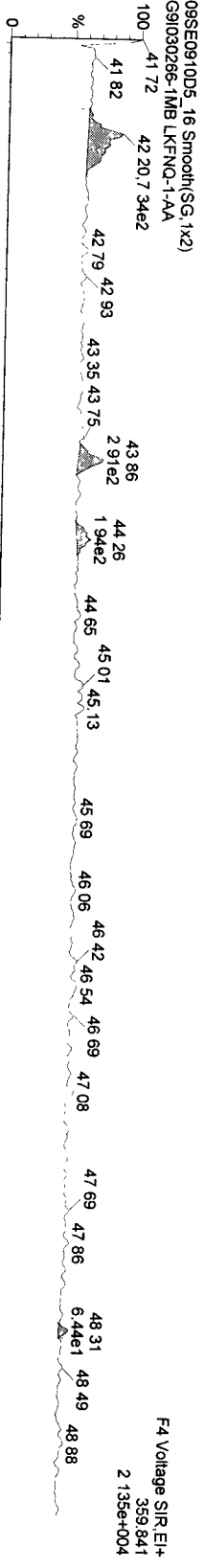
Quantify Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\pro\09SE0910D5\1668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_16, Date: 09-Sep-2009, Time: 23:33:56, ID: LKFNO-1-AA, Description: G91030266-1MB

HxPCBs-



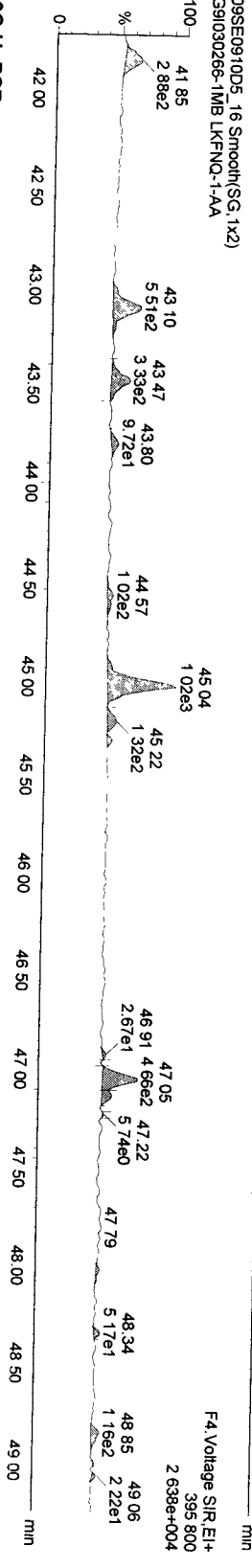
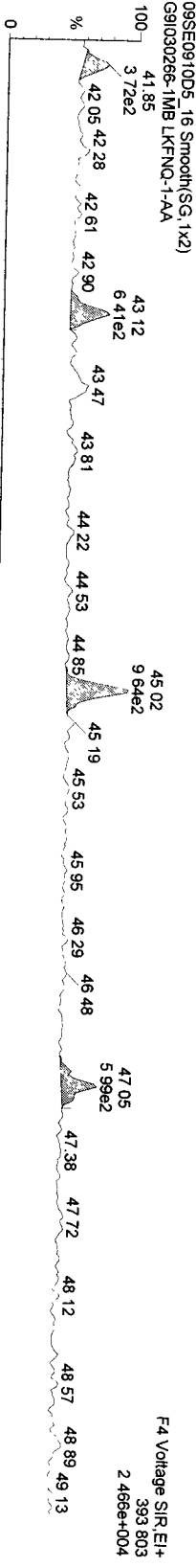
Quantify Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\pro\09SE0910D5\1668MSL.qld

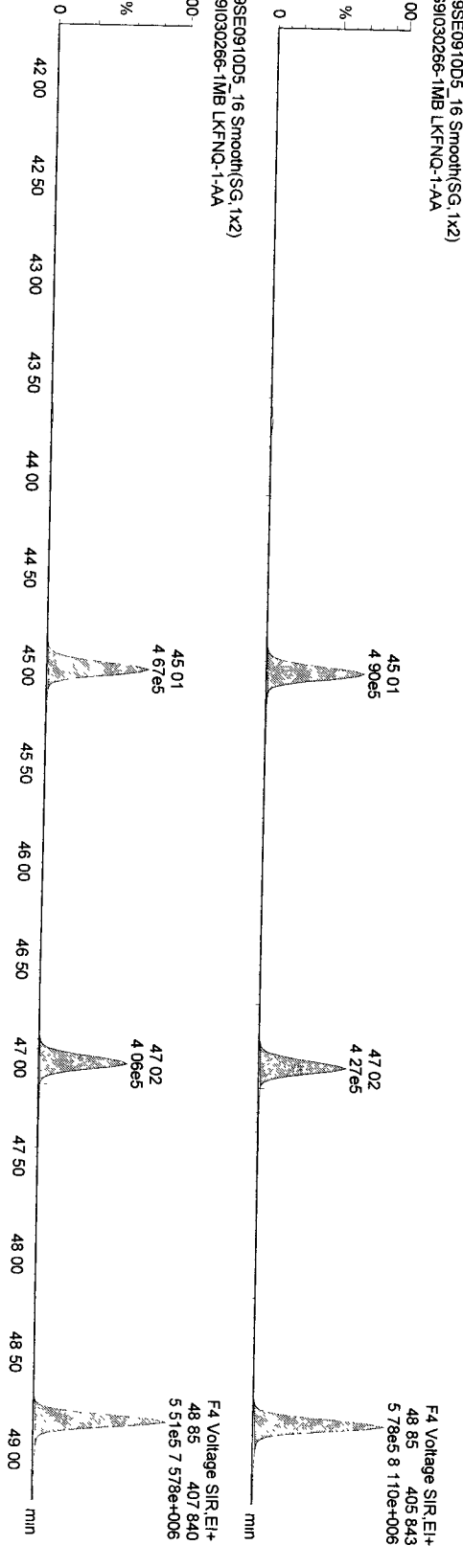
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_16, Date: 09-Sep-2009, Time: 23:33:56, ID: LKFNQ-1-AA, Description: G91030266-1MB

HPPCBs



13C-HPPCBs



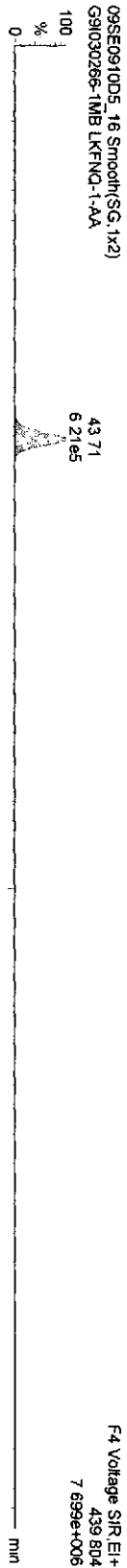


Dataset: C:\MassLynx\Default\proj\09SE0910D51668MSL.qld

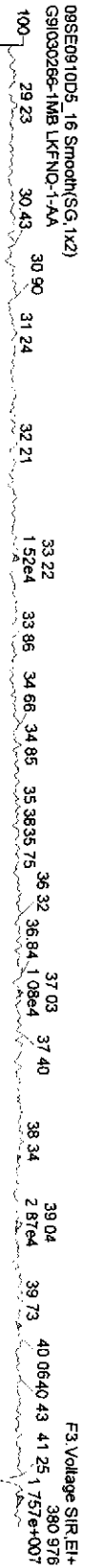
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_16, Date: 09-Sep-2009, Time: 23:33:56, ID: LKFNQ-1-AA, Description: G9I030266-1MB

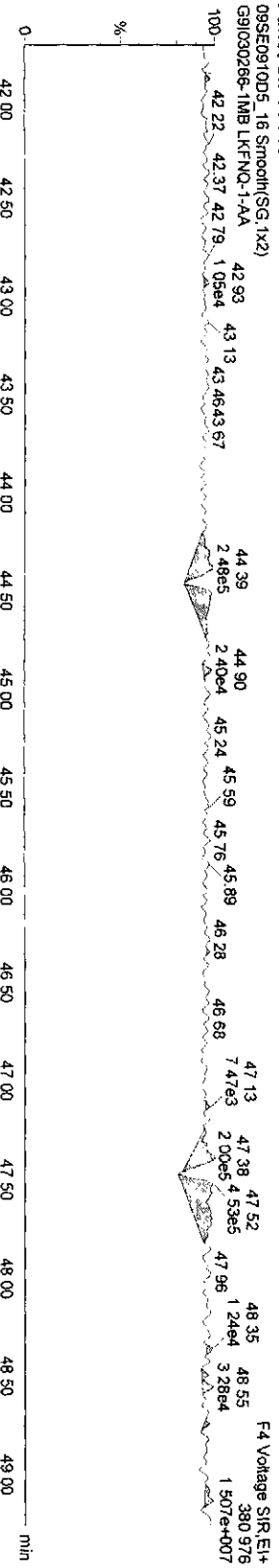
13C-OCB-202



Function 3 PFK



Function 4 PFK



Dataset: C:\MassLynx\Default\pro109SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:26:57 Pacific Daylight Time

Name: 09SE0910D5\_17, Date: 10-Sep-2009, Time: 00:30:45, ID: LKFNQ-1-AC, Description: G91030266-1LCS, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	0.500	32.31	32.31	1.000	1090867.97	4000.0000	4000.0000	100.0	3.6874	0.631	0.610	NO		
2															
3 13C-TeCB-81	301.963	0.500	34.21	34.22	1.040	833946.44	2940.7547	2940.7547	73.5	3.6729	0.783	0.770	NO		
4 TeCB-81	289.922	0.500	34.24	34.21	1.458	1280267.38	4210.6571	4210.6571		3.2416	0.757	0.770	NO		
5 13C-TeCB-77	301.963	0.500	34.91	34.91	1.104	876522.78	2910.4747	2910.4747	72.8	3.4585	0.792	0.770	NO		
6 TeCB-77	289.922	0.500	34.93	34.91	1.271	1207227.38	4335.8570	4335.8570		3.6857	0.760	0.770	NO		
7															
8 13C-PeCB-123	335.924	0.500	36.57	36.57	0.993	857815.06	3166.8581	3166.8581	79.2	3.7125	0.628	0.610	NO		
9 PeCB-123	323.883	0.500	36.61	36.57	1.505	1370832.56	4246.2218	4246.2218		2.9350	0.623	0.610	NO		
10 13C-PeCB-118	335.924	0.500	36.74	36.74	1.024	935216.03	3348.6458	3348.6458	83.7	3.6007	0.647	0.610	NO		
11 PeCB-118/106	323.883	0.500	36.78	36.74	1.525	1440773.50	4039.9148	4039.9148		2.8101	0.623	0.610	NO		
12 13C-PeCB-114	335.924	0.500	37.53	37.51	1.037	878544.09	3106.7805	3106.7805	77.7	3.5561	0.647	0.610	NO		
13 PeCB-114	323.883	0.500	37.56	37.53	1.586	1576255.94	4524.9189	4524.9189		2.8536	0.614	0.610	NO		
14 13C-PeCB-105	335.924	0.500	38.60	38.58	0.982	904722.25	3379.9394	3379.9394	84.5	3.7569	0.638	0.610	NO		
15 PeCB-105/127	323.883	0.500	38.62	38.60	1.433	1350484.72	4165.8947	4165.8947		3.0018	0.620	0.610	NO		
16 13C-PeCB-126	335.924	0.500	40.92	40.88	1.030	1024397.44	3646.9036	3646.9036	91.2	3.5800	0.614	0.610	NO		
17 PeCB-126	323.883	0.500	40.94	40.92	1.156	1271974.91	4297.1593	4297.1593		3.4312	0.646	0.610	NO		
18															
19 13C-OcCB-202	439.804	0.500	43.72	43.73	1.000	1240525.00	4000.0000	4000.0000	100.0	1.3030	0.902	0.890	NO		
20															
21 13C-HxCB-167	371.882	0.500	42.28	42.26	1.002	957727.50	3080.5384	3080.5384	77.0	3.0832	1.289	1.240	NO		
22 HxCB-167	359.841	0.500	42.30	42.28	1.348	1697228.50	5258.7298	5258.7298		4.9772	1.238	1.240	NO		
23 13C-HxCB-156	371.882	0.500	43.86	43.86	0.785	966758.31	3970.4990	3970.4990	99.3	3.9368	1.305	1.240	NO		
24 HxCB-156	359.841	0.500	43.88	43.86	1.688	1667050.63	4085.2143	4085.2143		4.0831	1.233	1.240	NO		
25 13C-HxCB-157	371.882	0.500	44.23	44.23	0.835	948637.84	3662.1044	3662.1044	91.6	3.7004	1.274	1.240	NO		
26 HxCB-157	359.841	0.500	44.26	44.23	1.860	1722216.06	4375.5304	4375.5304		4.2036	1.213	1.240	NO		
27 13C-HxCB-169	371.882	0.500	46.46	46.46	0.871	1020191.34	3775.5438	3775.5438	94.4	3.5475	1.253	1.240	NO		
28 HxCB-169	359.841	0.500	46.48	46.46	1.098	1383727.00	4939.7053	4939.7053		5.9791	1.217	1.240	NO		
29															
30 13C-HpCB-180	405.843	0.500	45.02	45.00	0.684	807279.06	3805.4384	3805.4384	95.1	1.8554	1.047	1.050	NO		
31 HpCB-180	393.803	0.500	45.04	45.02	1.300	1128022.50	4298.2664	4298.2664		2.7509	1.039	1.050	NO		
32 13C-HpCB-170	405.843	0.500	47.02	47.02	0.548	734199.09	4322.1534	4322.1534	108.1	2.3170	1.051	1.050	NO		
33 HpCB-170	393.803	0.500	47.05	47.02	1.615	1215237.25	4099.5142	4099.5142		2.4210	1.036	1.050	NO		
34 13C-HpCB-189	405.843	0.500	48.85	48.84	0.698	996536.63	4600.1793	4600.1793	115.0	1.8191	1.037	1.050	NO		
35 HpCB-189	393.803	0.500	48.86	48.85	1.231	1256165.75	4101.8052	4101.8052		2.1067	1.044	1.050	NO		

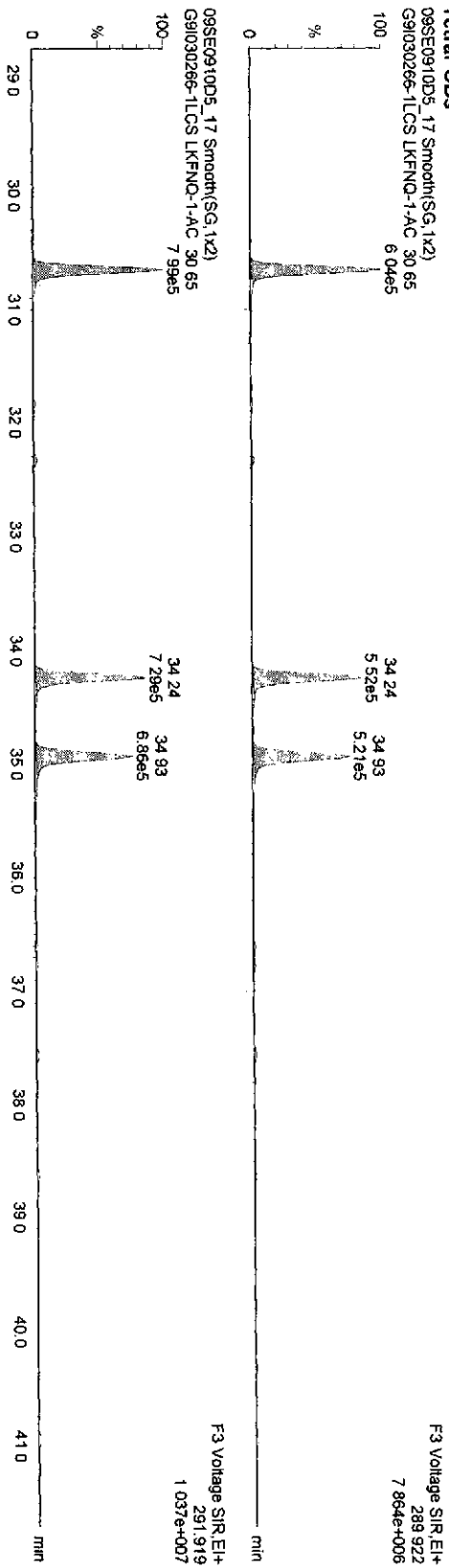
18  
9  
28  
9

Dataset C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

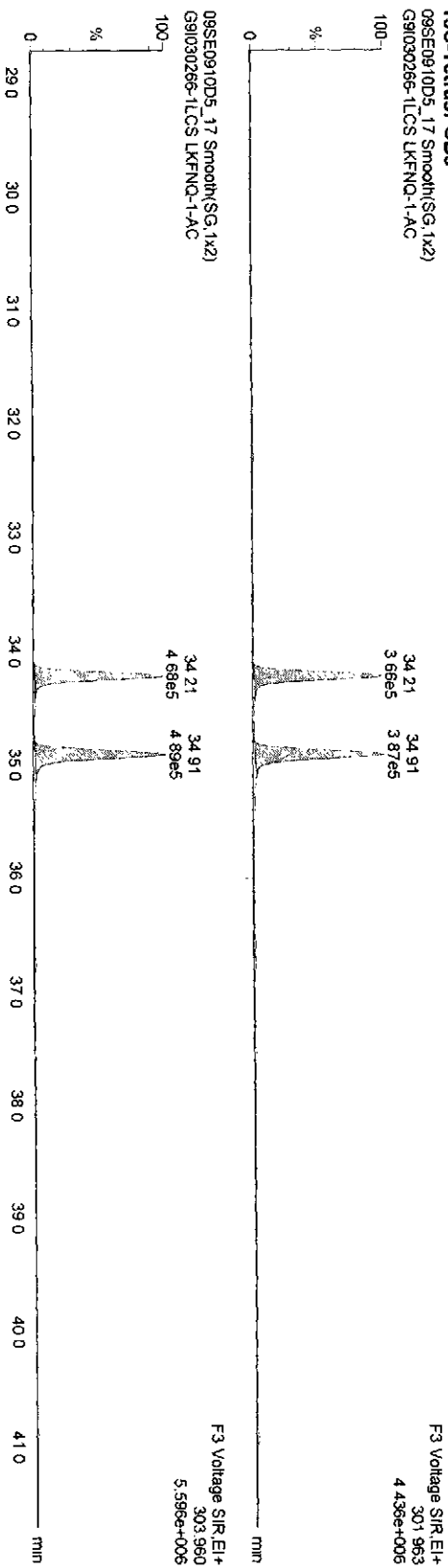
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_17, Date: 10-Sep-2009, Time: 00:30:45, ID: LKFNDQ-1-AC, Description: G91030266-1LCS

**TetraPCBs**



**13C-TetrasPCBs**

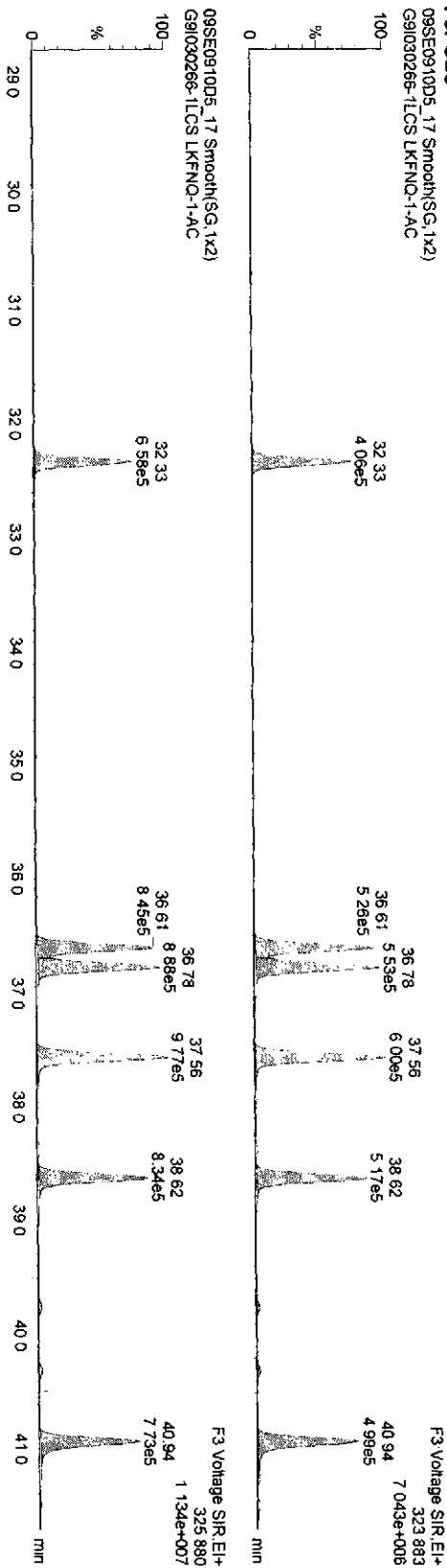


Dataset: C:\Masslynx\Default\pro\09SE0910D51668MSL.dld

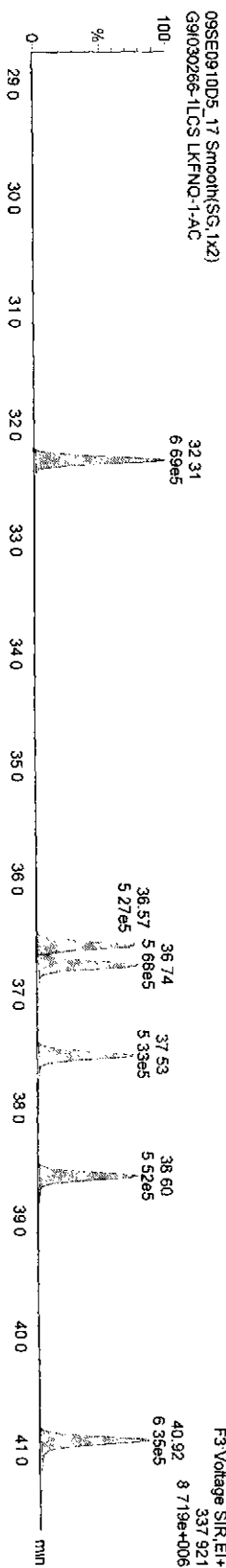
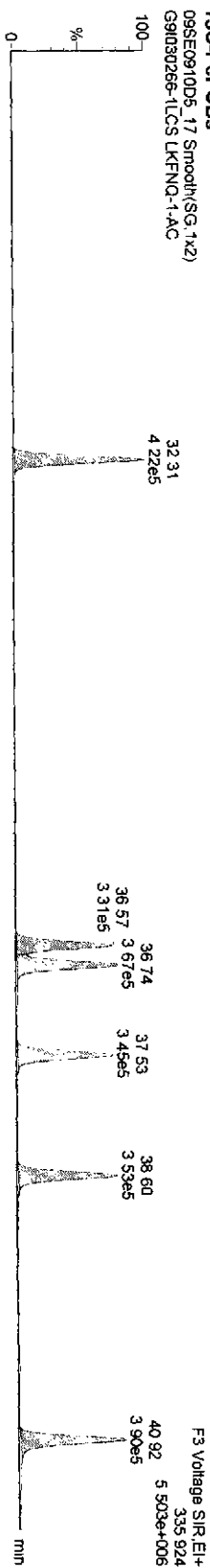
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_17, Date: 10-Sep-2009, Time: 00:30:45, ID: LKFNO-1-AC, Description: G91030266-1LC5

PePCBs



13C-PePCBs

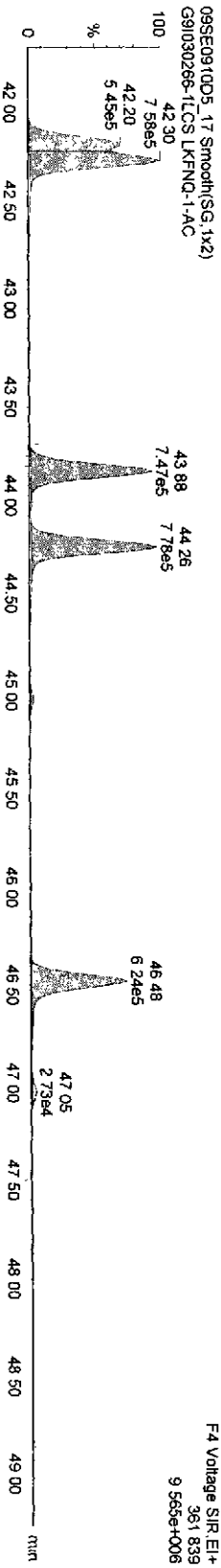


Dataset: C:\Masslynx\Default.pro\09SE0910D51668MSL.qld

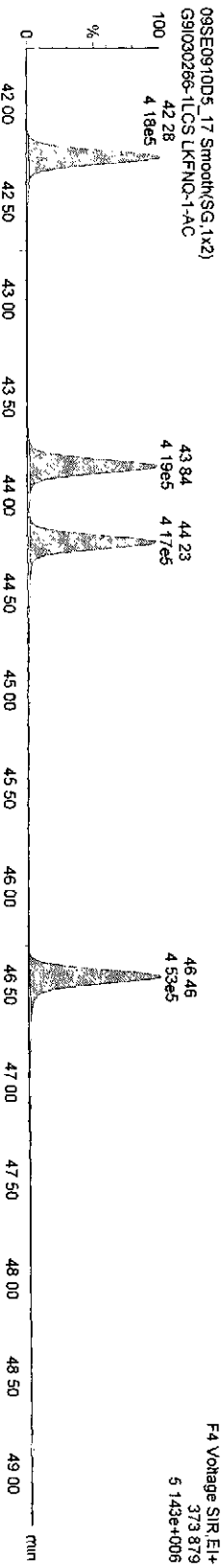
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_17, Date: 10-Sep-2009, Time: 00:30:45, ID: LKFNDQ-1-AC, Description: G91030266-1LCS

HXPCBs-



13C-HXPCBs

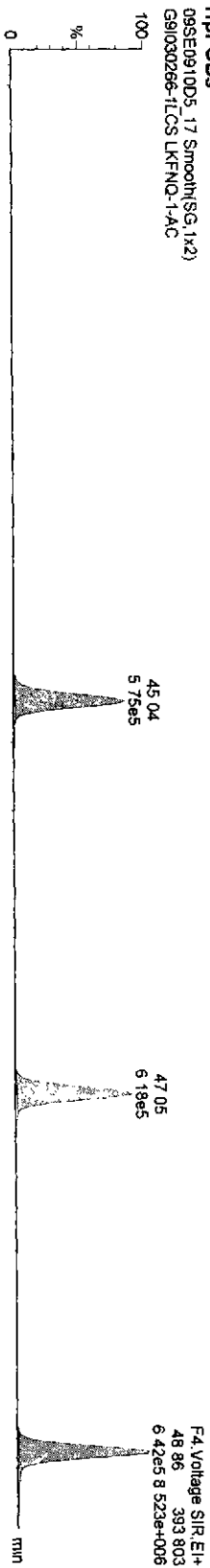


Dataset: C:\MassLynx\Default\pro\09SE0910D51668MSL.qld

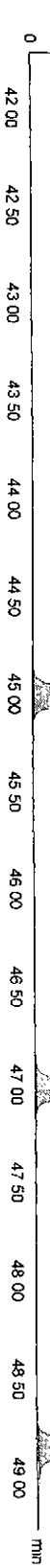
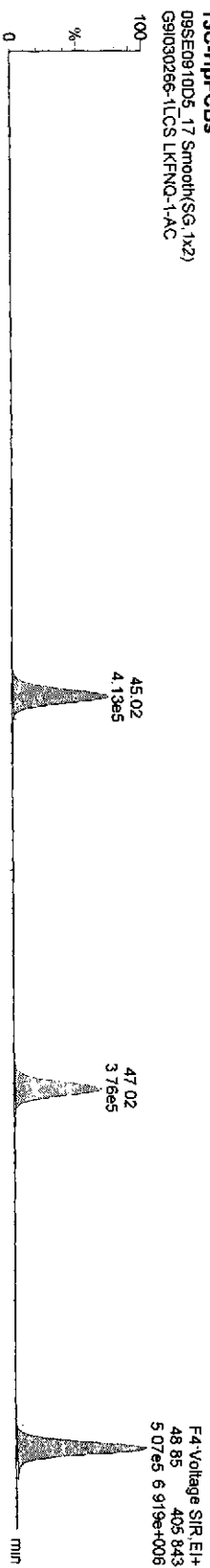
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_17, Date: 10-Sep-2009, Time: 00:30:45, ID: LKFNDQ-1-AC, Description: G91030266-1LCS

**HPPCBs**



**13C-HPPCBs**



Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_17, Date: 10-Sep-2009, Time: 00:30:45, ID: LKFNG-1-AC, Description: G9I030266-1LCs

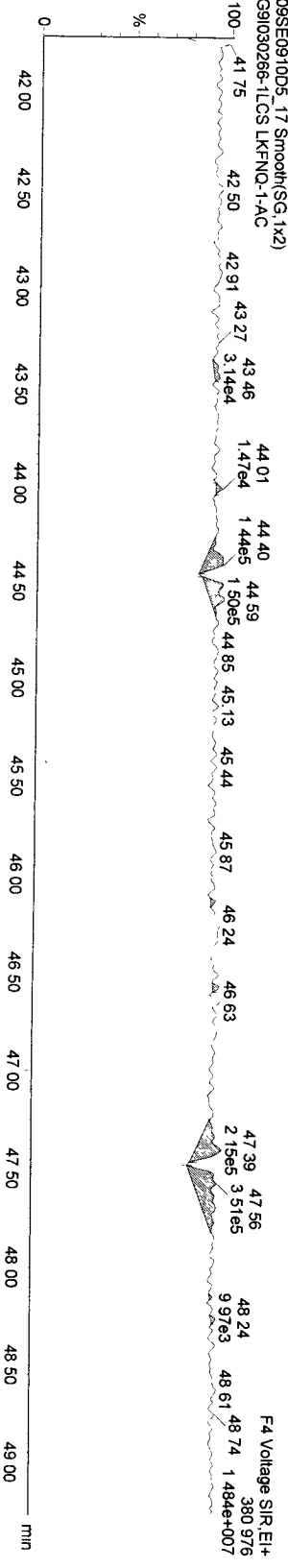
**13C-OcCB-202**



**Function 3 PFK**



**Function 4 PFK**



Quantity Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\09SE0910D5\1668MSLvg.qld

Last Altered: Monday, September 28, 2009 11:58:17 Pacific Daylight Time  
 Printed: Monday, September 28, 2009 12:43:53 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 09 Sep 2009 12:46:16  
 Calibration: C:\MassLynx\Default.PRO\CurvEDB\CA0716200910D5\1668MSL.cdb 21 Jul 2009 13:15:46

Name: 09SE0910D5\_18, Date: 10-Sep-2009, Time: 01:27:31, ID: LKAF2-1-AA, Description: G91030266-1, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	0.500	32.57	32.31	1.00000	784742.59	4000.0000	4000.0000	100.0	5.84261	0.63	NO	
2													
3 13C-TeCB-81	301.963	0.500	34.44	34.48	1.03984	939196.50	4603.8596	4603.8596	115.1	6.22171	0.80	NO	
4 TeCB-81	289.922	0.500		34.44	1.45839			ND		3.64094		NO	
5 13C-TeCB-77	301.963	0.500	35.12	35.17	1.10430	1007230.75	4649.1608	4649.1608	116.2	5.85855	0.80	NO	
6 TeCB-77	289.922	0.500	35.13	35.12	1.27061	143770.06	449.3540	449.3540	100.0	3.84134	0.78	NO	
7													
8 13C-PeCB-123	335.924	0.500	36.78	36.83	0.99324	963677.69	4945.5171	4945.5171	123.6	5.88239	0.63	NO	
9 PeCB-123	323.883	0.500	36.81	36.78	1.50539	49433.41	136.3015	136.3015	127.5	3.87232	0.60	NO	
10 13C-PeCB-118	335.924	0.500	36.94	37.00	1.02407	1024556.56	5099.6242	5099.6242	127.5	5.70527	0.63	NO	
11 PeCB-118/106	323.883	0.500	36.96	36.94	1.52556	1326150.28	3394.2610	3394.2610	126.6	3.64743	0.62	NO	
12 13C-PeCB-114	335.924	0.500	37.72	37.77	1.03691	1029963.94	5063.0707	5063.0707	126.6	5.63464	0.64	NO	
13 PeCB-114	323.883	0.500		37.72	1.58603			ND		3.50792		NO	
14 13C PeCB-105	335.924	0.500	38.76	38.84	0.98151	1071440.19	5564.2487	5564.2487	139.1	5.95268	0.65	NO	
15 PeCB-105/127	323.883	0.500	38.77	38.76	1.43326	509607.36	1327.3995	1327.3995	166.6	3.71132	0.62	NO	
16 13C-PeCB-126	335.924	0.500	41.04	41.14	1.02999	1346640.00	6664.2652	6664.2652	166.6	5.67251	0.63	NO	
17 PeCB-126	323.883	0.500		41.04	1.15582			ND		3.71482		NO	
18													
19 13C-OcCB-202	439.804	0.500	43.80	43.73	1.00000	1392784.88	4000.0000	4000.0000	100.0	1.40370	0.92	NO	
20													
21 13C-HxCB-167	371.882	0.500	42.37	42.34	1.00247	1300841.44	3726.7522	3726.7522	93.2	3.54273	1.28	NO	
22 HxCB-167	359.841	0.500	42.40	42.37	1.34796	40206.41	91.7178	91.7178	121.1	1.87329	1.15	NO	
23 13C-HxCB-156	371.882	0.500	43.94	43.94	0.78510	1324118.00	4843.6789	4843.6789	121.1	4.52356	1.27	NO	
24 HxCB-156	359.841	0.500	43.95	43.94	1.68840	84080.46	150.4362	150.4362	112.0	1.47884	1.27	NO	
25 13C-HxCB-157	371.882	0.500	44.31	44.31	0.83526	1302582.38	4478.7513	4478.7513	112.0	4.25191	1.29	NO	
26 HxCB-157	359.841	0.500	44.34	44.31	1.65985	17569.42	32.5084	32.5084	111.6	1.55343	1.35	NO	
27 13C-HxCB-169	371.882	0.500	46.53	46.54	0.87128	1353837.50	4462.5788	4462.5788	111.6	4.07616	1.28	NO	
28 HxCB-169	359.841	0.500	47.10	46.53	1.09852	5679.85	15.2793	15.2793	2.28574		1.30	NO	
29													
30 13C-HpCB-180	405.843	0.500	45.08	45.08	0.68403	1058414.78	4443.8397	4443.8397	111.1	2.04200	1.05	NO	
31 HpCB-180	393.803	0.500	45.12	45.08	1.30035	656024.69	1906.6173	1906.6173	2.24448		1.03	NO	

RL = 100%  
 V8  
 9.25  
 9



Dataset: \\Terastation\share\ATG\10D5\09SE0910D5\1668MSL.vg.qld

Last Altered: Monday, September 28, 2009 11:58:17 Pacific Daylight Time  
 Printed: Monday, September 28, 2009 12:43:53 Pacific Daylight Time

Name: 09SE0910D5\_18, Date: 10-Sep-2009, Time: 01:27:31, ID: LKAF2-1-AA, Description: G91030266-1, Task:

# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs:Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fi...	Mod Date
32 13C-HpCB-170	405.843	0.500	47.08	47.10	0.54773	949312.84	4977.5676	4977.5676	124.4	2.55012	1.05	NO	
33 HpCB-170	393.803	0.500	47.11	47.08	1.61501	151567.82	395.4420	395.4420	129.1	2.00368	1.04	NO	28-Sep-09
34 13C-HpCB-189	405.843	0.500	48.90	48.92	0.69767	1254255.44	5163.1203	5163.1203	129.1	2.00207	1.04	NO	
35 HpCB-189	393.803	0.500	48.04	48.90	1.23073	15872.41	41.1296	41.1296	73.1	1.76947	1.10	NO	
36													
37 13C-PaCB-111	335.924	0.500	34.33	34.06	1.30475	1037330.94	2924.9519	2924.9519	73.1	3.21752	0.63	NO	
38													
39 Function 3 PFK	380.976	1.000			0.00								
40 Function 4 PFK	380.976	1.000			0.00								

Dataset: \\Terastation\share\ATG\10D5\09SE0910D5\1668MSL.vg.qld

Last Altered: Monday, September 28, 2009 11:58:17 Pacific Daylight Time

Printed: Monday, September 28, 2009 12:42:09 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\Method\1668MSL10DB5.mdb 09 Sep 2009 12:46:16

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D5\1668MSL.cdb 21 Jul 2009 13:15:46

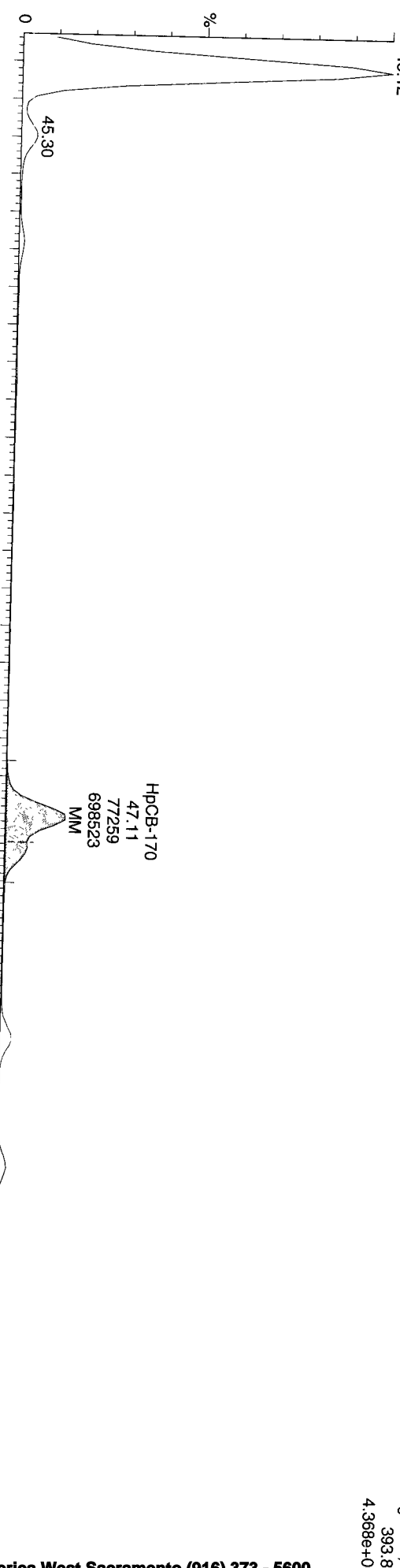
Sample Name: 09SE0910D5\_18

09SE0910D5\_18 Smooth(SG, 1x2)

G91030266-1 LKAF2-1-AA

F4: Voltage S/R, EI+ 393.803

4.368e+006



F4: Voltage S/R, EI+ 395.800

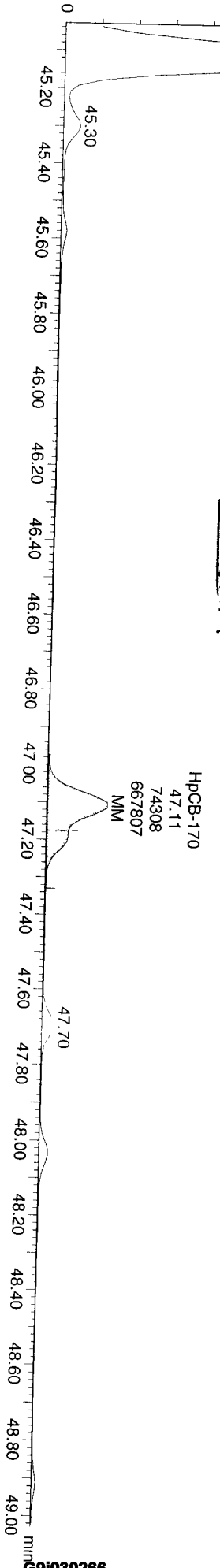
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09SE0910D5\_18 Smooth(SG, 1x2)  
G91030266-1 LKAF2-1-AA

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VS Date 9.28.09



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:26:57 Pacific Daylight Time

Name: 09SE0910D5\_18, Date: 10-Sep-2009, Time: 01:27:31, ID: LKAF2-1-AA, Description: G91030266-1, Task:

# Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio ...	Mod Date
1 13C-PeCB-101	335.924	0.500	32.57	32.31	1.000	784742.59	4000.0000	4000.0000	100.0	5.8426	0.630	0.610	NO	
2														
3 13C-TeCB-81	301.963	0.500	34.44	34.48	1.040	939196.50	4603.8596	4603.8596	115.1	6.2217	0.797	0.770	NO	
4 TeCB-81	289.922	0.500		34.44	1.458		ND	ND		3.6409		0.770	NO	
5 13C-TeCB-77	301.963	0.500	35.12	35.17	1.104	1007230.75	4649.1608	4649.1608	116.2	5.8585	0.803	0.770	NO	
6 TeCB-77	289.922	0.500	35.13	35.12	1.271	143770.06	449.3540	449.3540	4.500	3.8413	0.777	0.770	NO	
7														
8 13C-PeCB-123	335.924	0.500	36.78	36.83	0.993	963677.69	4945.5171	4945.5171	123.6	5.8824	0.626	0.610	NO	
9 PeCB-123	323.883	0.500	36.81	36.78	1.505	49433.41	136.3015	136.3015	RL	3.8723	0.598	0.610	NO	
10 13C-PeCB-118	335.924	0.500	36.94	37.00	1.024	1024556.56	5099.6242	5099.6242	127.5	5.7053	0.634	0.610	NO	
11 PeCB-118/106	323.883	0.500	36.96	36.94	1.525	1326150.28	3394.2610	3394.2610	✓	3.6474	0.624	0.610	NO	
12 13C-PeCB-114	335.924	0.500	37.72	37.77	1.037	1029963.94	5063.0707	5063.0707	126.6	5.6346	0.644	0.610	NO	
13 PeCB-114	323.883	0.500		37.72	1.586		ND	ND		3.5079		0.610	NO	
14 13C-PeCB-105	335.924	0.500	38.76	38.84	0.992	1071440.19	5564.2487	5564.2487	139.1	5.9527	0.648	0.610	NO	
15 PeCB-105/127	323.883	0.500	38.77	38.76	1.433	509607.36	1327.3995	1327.3995	✓	3.7113	0.615	0.610	NO	
16 13C-PeCB-126	335.924	0.500	41.04	41.14	1.030	1346640.00	6664.2652	6664.2652	166.6	5.6725	0.625	0.610	NO	
17 PeCB-126	323.883	0.500		41.04	1.156		ND	ND		3.7148		0.610	NO	
18														
19 13C-OcCB-202	439.804	0.500	43.80	43.73	1.000	1392784.88	4000.0000	4000.0000	100.0	1.4037	0.918	0.890	NO	
20														
21 13C-HxCB-167	371.882	0.500	42.37	42.34	1.002	1300841.44	3726.7522	3726.7522	93.2	3.5427	1.277	1.240	NO	
22 HxCB-167	359.841	0.500	42.40	42.37	1.348	40206.41	91.7178	91.7178	RL	1.8733	1.152	1.240	NO	
23 13C-HxCB-156	371.882	0.500	43.94	43.94	0.785	1324118.00	4843.6789	4843.6789	121.1	4.5236	1.274	1.240	NO	
24 HxCB-156	359.841	0.500	43.96	43.94	1.688	84080.46	150.4362	150.4362	✓	1.4788	1.271	1.240	NO	
25 13C-HxCB-157	371.882	0.500	44.31	44.31	0.835	1302582.38	4478.7513	4478.7513	112.0	4.2519	1.290	1.240	NO	
26 HxCB-157	359.841	0.500	44.34	44.31	1.660	17569.42	32.5084	32.5084	✓	1.5534	1.355	1.240	NO	
27 13C-HxCB-169	371.882	0.500	46.53	46.54	0.871	1353837.50	4462.5788	4462.5788	111.6	4.0762	1.278	1.240	NO	
28 HxCB-169	359.841	0.500	47.10	46.53	1.098	5679.85	15.2793	15.2793	✓	2.2857	1.297	1.240	NO	
29														
30 13C-HpCB-180	405.843	0.500	45.08	45.08	0.664	1058414.78	4443.8397	4443.8397	111.1	2.0420	1.051	1.050	NO	
31 HpCB-180	393.803	0.500	45.12	45.08	1.300	656024.69	1906.6173	1906.6173	✓	2.2445	1.026	1.050	NO	
32 13C-HpCB-170	405.843	0.500	47.08	47.10	0.548	949312.84	4977.5676	4977.5676	124.4	2.5501	1.052	1.050	NO	
33 HpCB-170	393.803	0.500	47.11	47.08	1.615	120963.55	315.5952	315.5952	✓	2.0037	1.042	1.050	NO	
34 13C-HpCB-189	405.843	0.500	48.89	48.92	0.698	1254255.44	5163.1203	5163.1203	129.1	2.0021	1.040	1.050	NO	
35 HpCB-189	393.803	0.500	48.04	48.89	1.231	15672.41	41.1296	41.1296	RL	1.7695	1.104	1.050	NO	

Page 9 of 18  
 237 of 287  
 RL = 10.00

Dataset: C:\MassLynx\Default\pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time

Printed: Thursday, September 10, 2009 09:26:57 Pacific Daylight Time

Name: 09SE0910D5\_18, Date: 10-Sep-2009, Time: 01:27:31, ID: LKAF2-1-AA, Description: G91030266-1, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ratio ...	Mod Date
36														
37	13C-PeCB-111	335.924	0.500	34.33	34.06	1.305	1037330.94	2924.9519	73.1	3.2175	0.626	0.610	NO	
38														
39	Function 3 PFK	380.976	1.000											
40	Function 4 PFK	380.976	1.000											

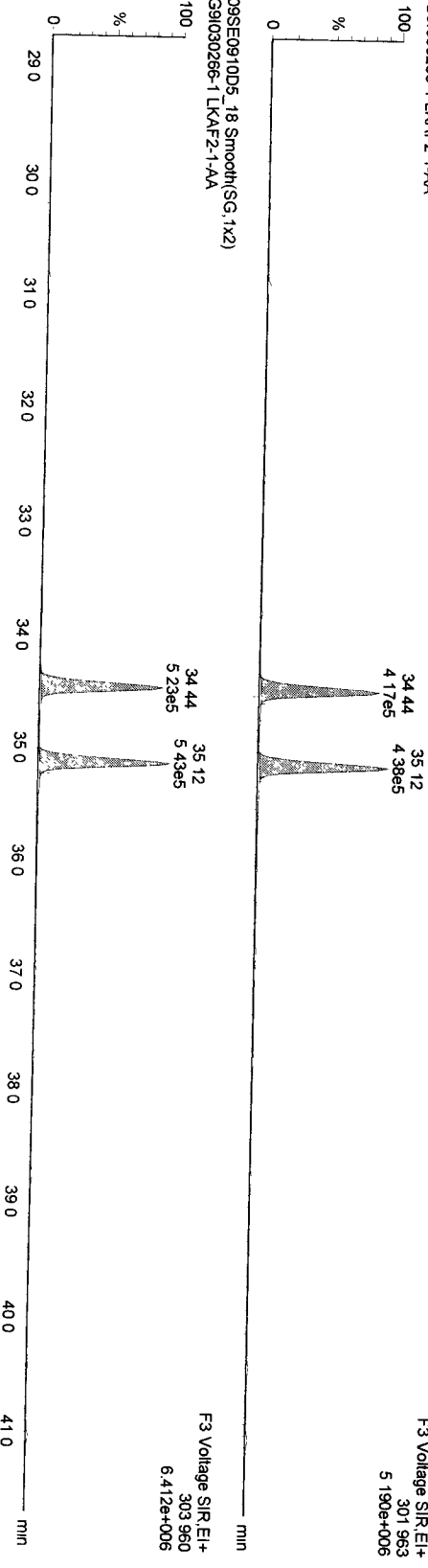
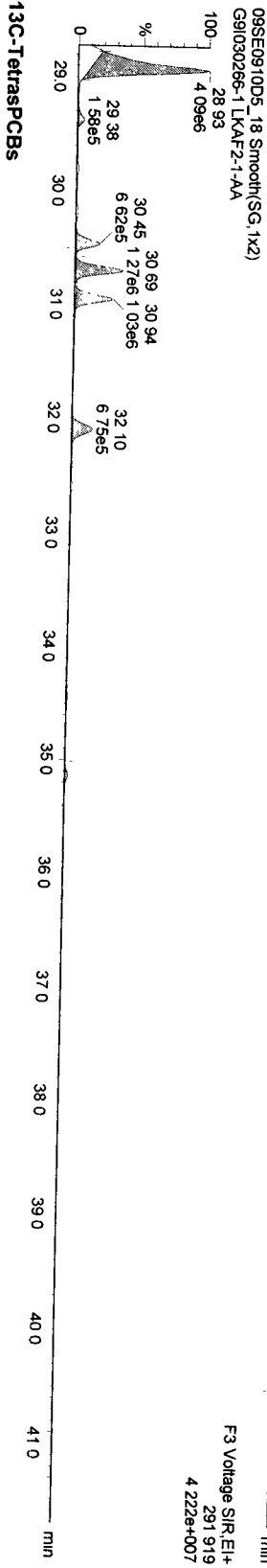
Quantity Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_18, Date: 10-Sep-2009, Time: 01:27:31, ID: LKAF2-1-AA, Description: G91030266-1

TetrPCBs



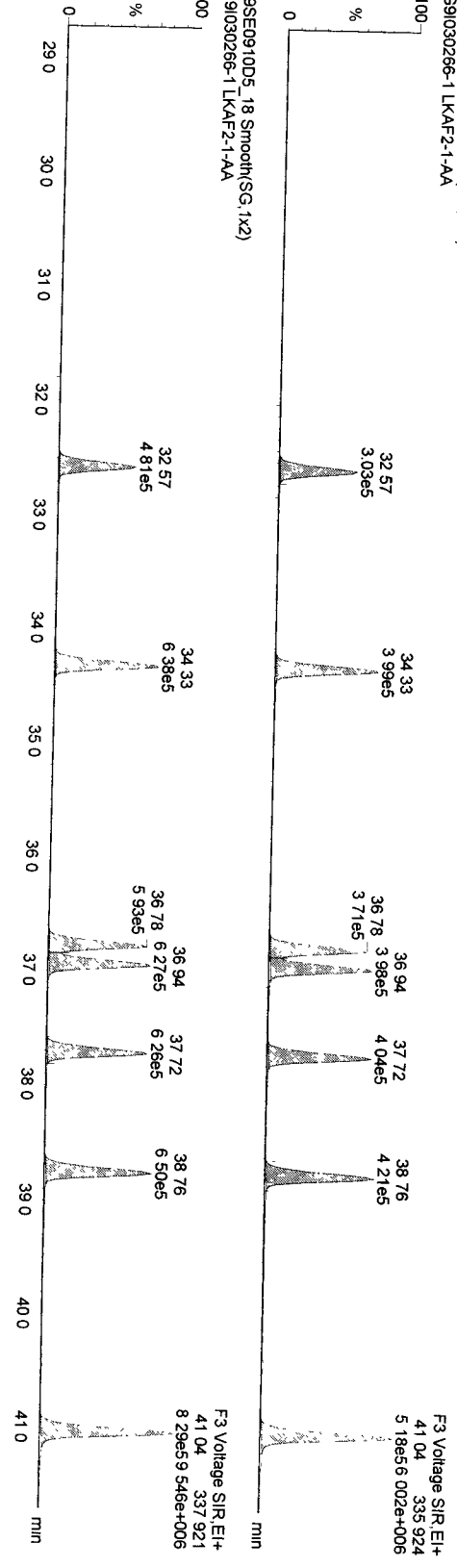
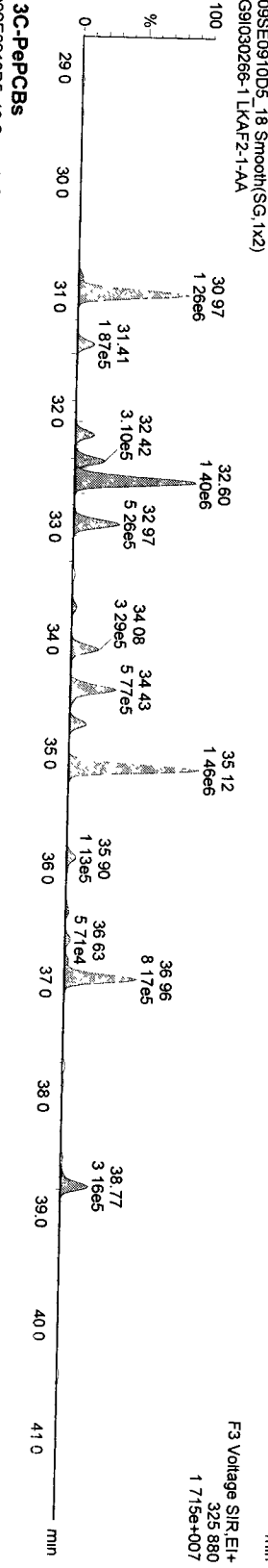
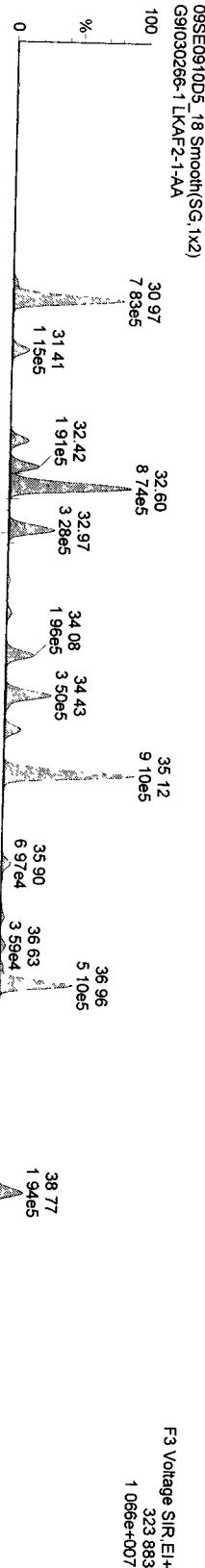
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_18, Date: 10-Sep-2009, Time: 01:27:31, ID: LKAF2-1-AA, Description: G91030266-1

PePCBs

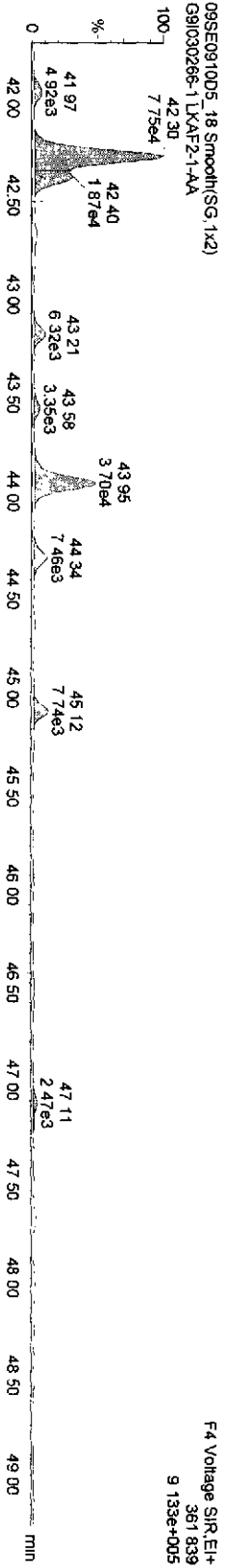
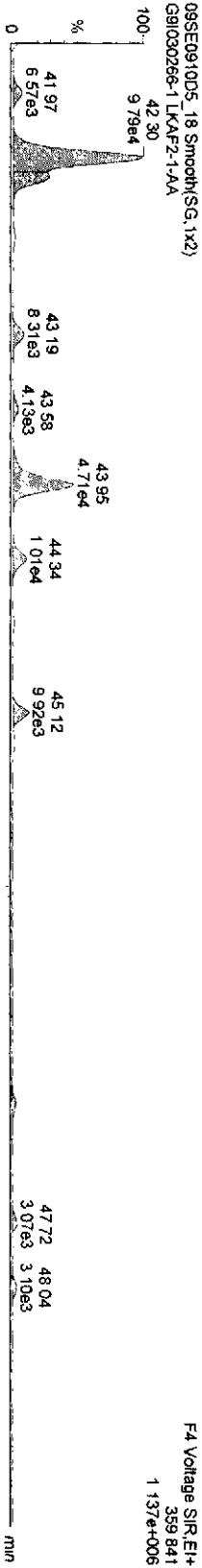


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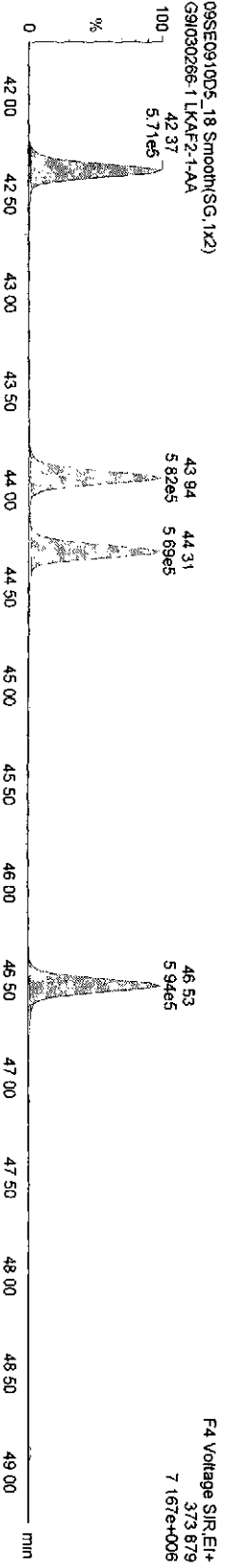
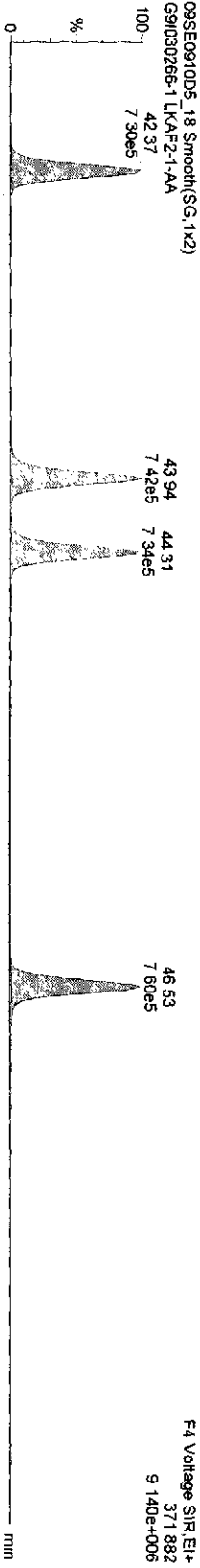
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_18, Date: 10-Sep-2009, Time: 01:27:31, ID: LKAF2-1-AA, Description: G91030266-1

**HPCBs-**



**13C-HPCBs**

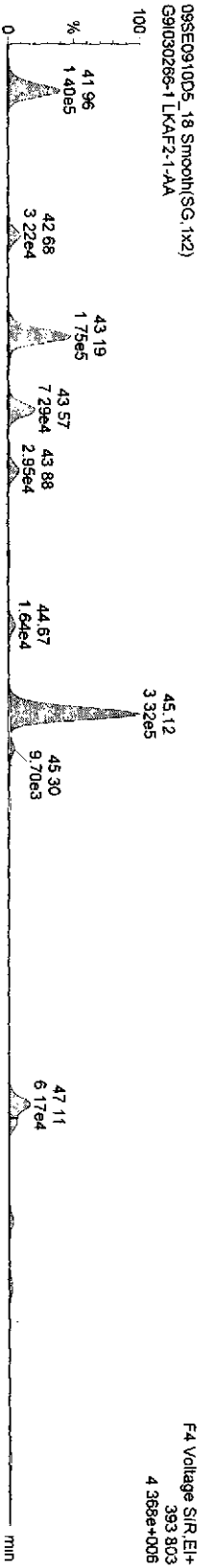


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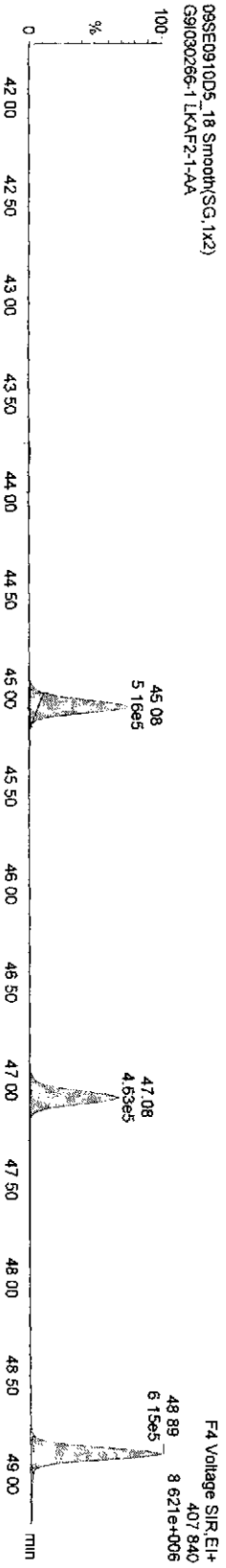
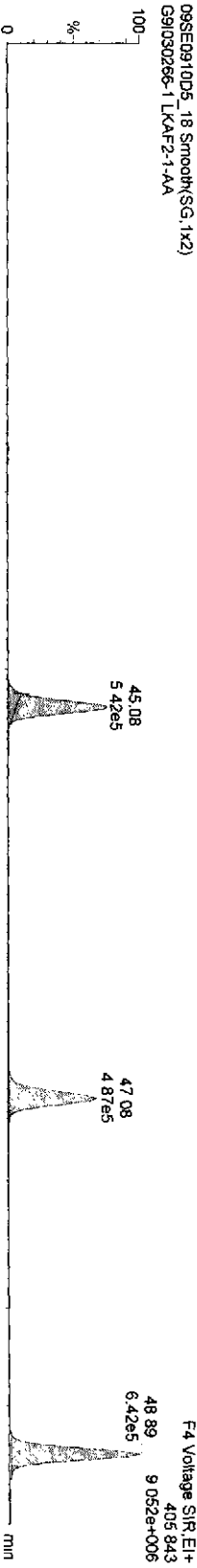
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_18, Date: 10-Sep-2009, Time: 01:27:31, ID: LKAF2-1-AA, Description: G91030266-1

HPPCBs



13C-HPPCBs





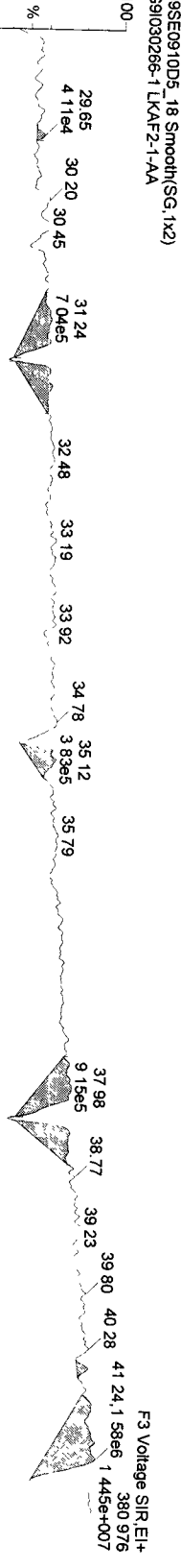
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_18, Date: 10-Sep-2009, Time: 01:27:31, ID: LKAF2-1-AA, Description: G91030266-1

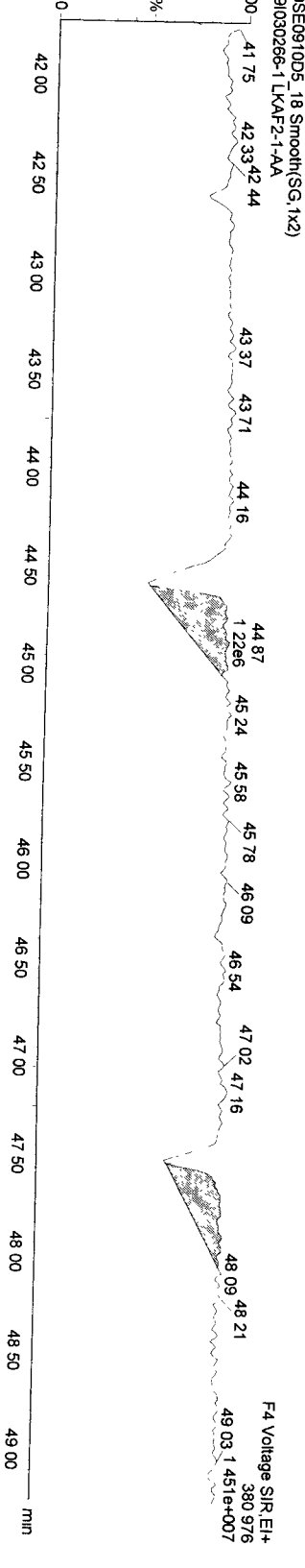
**13C-OCCB-202**



**Function 3 PFK**



**Function 4 PFK**



Quantity Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\09SE0910D5\1668MSLVg.qld

Last Altered: Monday, September 28, 2009 12:56:35 Pacific Daylight Time  
 Printed: Monday, September 28, 2009 13:00:25 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 09 Sep 2009 12:46:16  
 Calibration: C:\MassLynx\Default.PRO\CurvedBICA0716200910D5\1668MSL.cdb 21 Jul 2009 13:15:46

Name: 09SE0910D5\_19, Date: 10-Sep-2009, Time: 02:24:21, ID: LKAGK-1-AA, Description: G91030266-2, Task:

# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	0.500	32.65	32.31	1.00000	774693.44	4000.0000	4000.0000	100.0	4.53102	0.65	NO	
2													
3 13C-TeCB-81	301.963	0.500	34.49	34.56	1.03984	1024450.47	5086.9084	5086.9084	127.2	7.21588	0.79	NO	
4 TeCB-81	289.922	0.500	34.48	34.49	1.45899	192947.36	516.5772	516.5772	RL	4.98948	0.76	NO	28-Sep-09
5 13C-TeCB-77	301.963	0.500	35.15	35.25	1.10430	1112813.00	5203.1354	5203.1354	130.1	6.79469	0.82	NO	
6 TeCB-77	289.922	0.500	35.17	35.15	1.27061	1149602.00	3235.2050	3235.2050	MS	5.05505	0.75	NO	
7													
8 13C-PeCB-123	335.924	0.500	36.79	36.91	0.99324	1066789.78	5545.6965	5545.6965	138.6	4.56187	0.63	NO	28-Sep-09
9 PeCB-123	323.883	0.500	36.83	36.79	1.50539	226347.41	563.7786	563.7786	RL	4.03590	0.61	NO	
10 13C-PeCB-118	335.924	0.500	36.96	37.08	1.02407	1092904.84	5507.3597	5507.3597	137.7	4.42451	0.65	NO	
11 PeCB-118/106	323.883	0.500	36.98	36.96	1.52536	5709122.75	13706.1019	13706.1019	RL	3.96022	0.63	NO	
12 13C-PeCB-114	335.924	0.500	37.73	37.85	1.03691	1105343.31	5504.1025	5504.1025	137.6	4.36973	0.64	NO	
13 PeCB-114	323.883	0.500	37.75	37.73	1.58663	205284.63	468.3892	468.3892	RL	3.84277	0.61	NO	
14 13C PeCB-105	335.924	0.500	38.77	38.92	0.98151	1154873.13	6075.3350	6075.3350	151.9	4.61638	0.65	NO	
15 PeCB-105/127	323.883	0.500	38.79	38.77	1.43326	2880340.00	6960.5469	6960.5469	RL	4.17052	0.62	NO	
16 13C-PeCB-126	335.924	0.500	41.04	41.22	1.02999	1458970.50	7313.8259	7313.8259	182.8	4.39910	0.62	NO	
17 PeCB-126	323.883	0.500	41.05	41.04	1.15582	36927.58	87.5943	87.5943	RL	4.11016	0.63	NO	28-Sep-09
18													
19 13C-OcCB-202	439.804	0.500	43.80	43.73	1.00000	1385566.06	4000.0000	4000.0000	100.0	1.30018	0.91	NO	
20													
21 13C-HxCB-167	371.882	0.500	42.39	42.34	1.00247	1407114.50	4052.2142	4052.2142	101.3	2.30310	1.28	NO	
22 HxCB-167	359.841	0.500	42.40	42.39	1.34796	94482.14	199.2520	175.9158	RL	1.53939	0.96	YES	
23 13C-HxCB-156	371.882	0.500	43.94	43.94	0.78510	1419827.19	5220.8468	5220.8468	130.5	2.94073	1.29	NO	
24 HxCB-156	359.841	0.500	43.97	43.94	1.68840	247535.08	413.0335	413.0335	RL	1.24892	1.24	NO	
25 13C-HxCB-157	371.882	0.500	44.33	44.31	0.83526	1409457.00	4871.4740	4871.4740	121.8	2.76413	1.28	NO	
26 HxCB-157	359.841	0.500	44.34	44.33	1.65965	51353.69	87.8139	87.8139	RL	1.27898	1.27	NO	
27 13C-HxCB-169	371.882	0.500	46.53	46.54	0.87128	1445553.69	4789.7229	4789.7229	119.7	2.64988	1.28	NO	
28 HxCB-169	359.841	0.500	47.11	46.53	1.09832	13418.44	33.8065	33.8065	RL	1.90073	1.41	NO	
29													
30 13C-HpCB-180	405.843	0.500	45.10	45.08	0.68403	1127852.81	4760.0522	4760.0522	119.0	2.11108	1.07	NO	
31 HpCB-180	393.803	0.500	45.12	45.10	1.30035	1443312.63	3936.4726	3936.4726	RL	1.58031	1.06	NO	

Handwritten notes: \$ 9.22, 100, 0.9, RL, 100, (E)

Dataset: \\Terastation\share\ATG\10D5\09SE0910D51668MSLyg.qld

Last Altered: Monday, September 28, 2009 12:56:35 Pacific Daylight Time  
 Printed: Monday, September 28, 2009 13:00:25 Pacific Daylight Time

Name: 09SE0910D5\_19, Date: 10-Sep-2009, Time: 02:24:21, ID: LKAGK-1-AA, Description: G9I030266-2, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32 13C-HpCB-170	405.843	0.500	47.08	47.10	0.54773	860366.50	4534.6953	4534.6953	113.4	2.63640	1.06	NO	
33 HpCB-170	393.803	0.500	47.11	47.08	1.61501	353743.25	1018.3331	1018.3331	✓	1.71622	1.03	NO	28-Sep-09
34 13C-HpCB-189	405.843	0.500	48.89	48.92	0.69767	1340655.19	5547.5362	5547.5362	138.7	2.06980	1.04	NO	
35 HpCB-189	393.803	0.500		48.89	1.23073					1.27040		NO	
36													
37 13C-PeCB-111	335.924	0.500	34.36	34.06	1.30475	1079439.94	2814.8236		70.4	2.29479	0.63	NO	
38													
39 Function 3 PFK	380.976	1.000			0.00								
40 Function 4 PFK	380.976	1.000			0.00								

Dataset: \\Terastation\share\ATG\10D5\09SE0910D51668MSL.vg.qld

Last Altered: Monday, September 28, 2009 12:56:35 Pacific Daylight Time

Printed: Monday, September 28, 2009 12:58:04 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 09 Sep 2009 12:46:16  
Calibration: C:\MassLynx\Default.PRO\CurveDB\NCA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

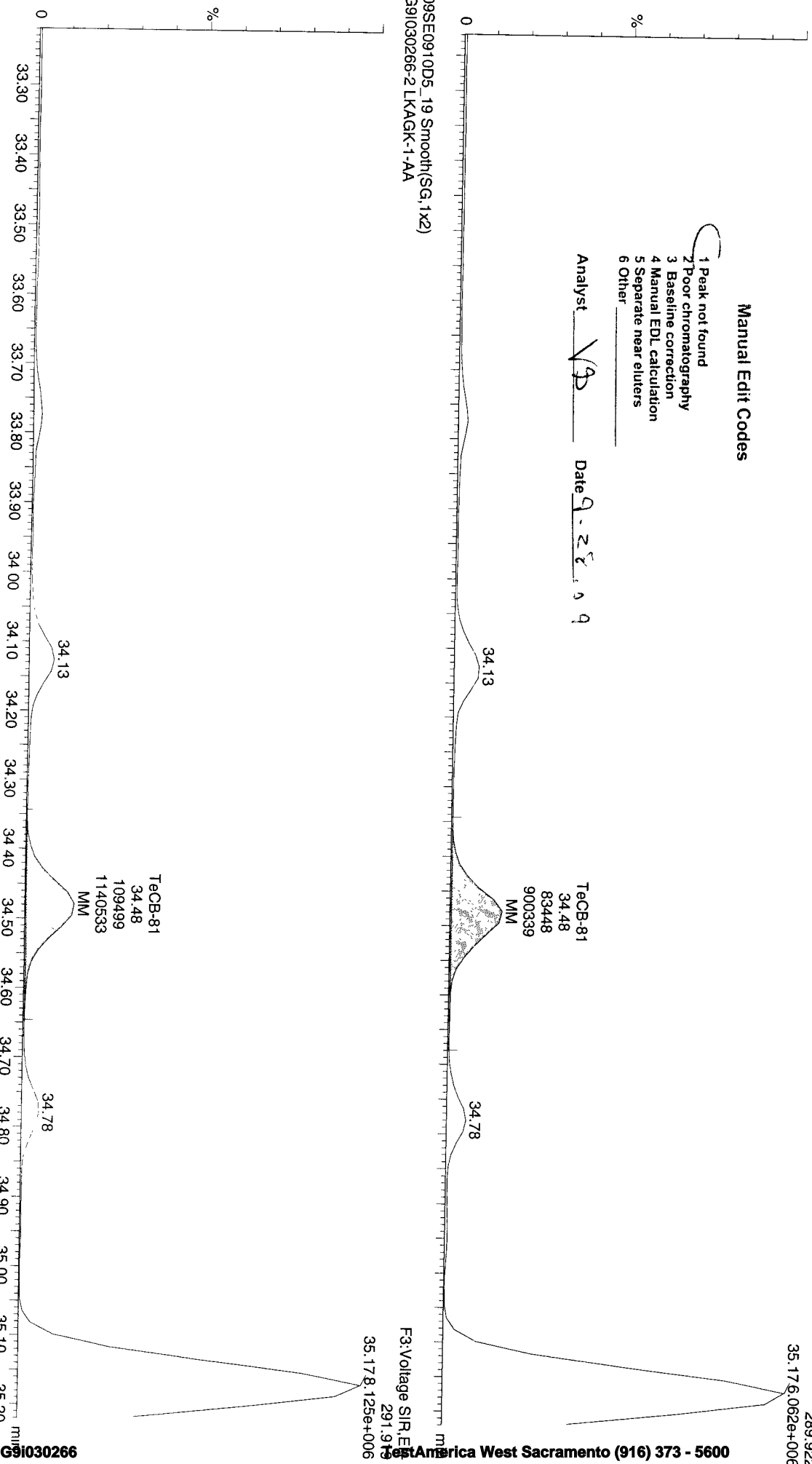
Sample Name: 09SE0910D5\_19

09SE0910D5\_19 Smooth(SG,1x2)  
G91030266-2 LKAGK-1-AA

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VJ Date 9-28-09



Dataset: \\Terastation\share\ATG\10D5\09SE0910D5\1668MSLvg.qld

Last Altered: Monday, September 28, 2009 12:56:35 Pacific Daylight Time

Printed: Monday, September 28, 2009 12:58:04 Pacific Daylight Time

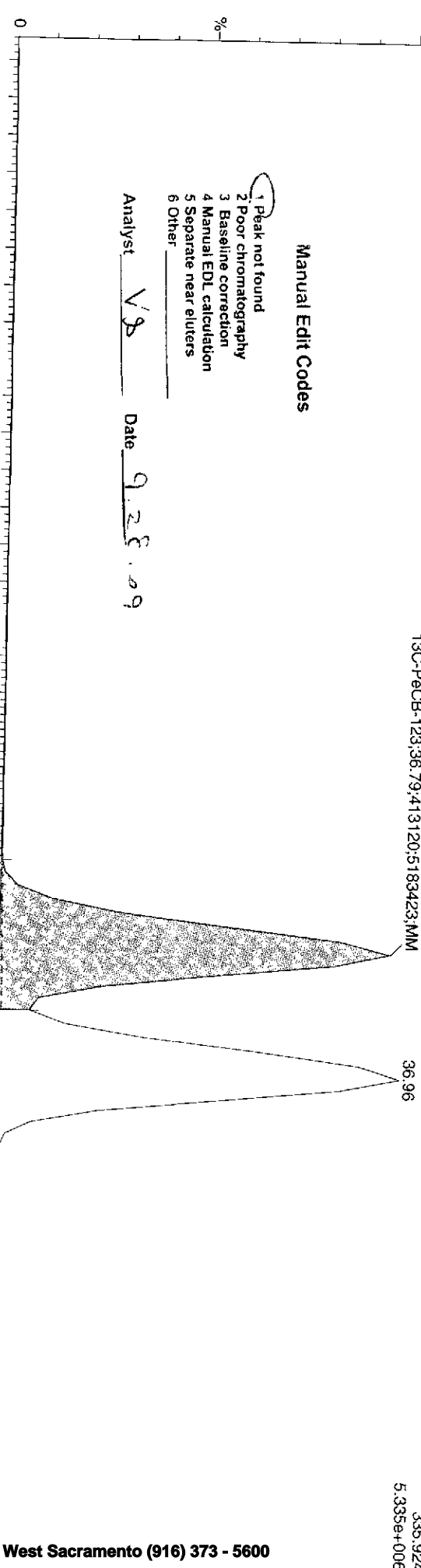
Sample Name: 09SE0910D5\_19

09SE0910D5\_19 Smooth(SG,1x2)  
G91030266-2 LKAGK-1-AA

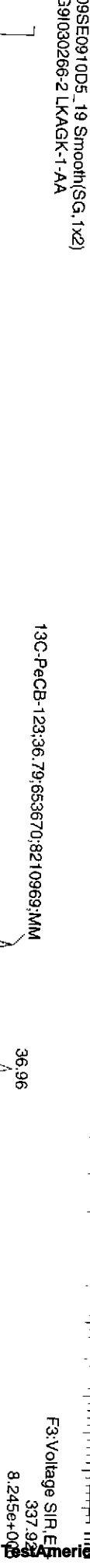
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst: VJ Date: 9.23.09

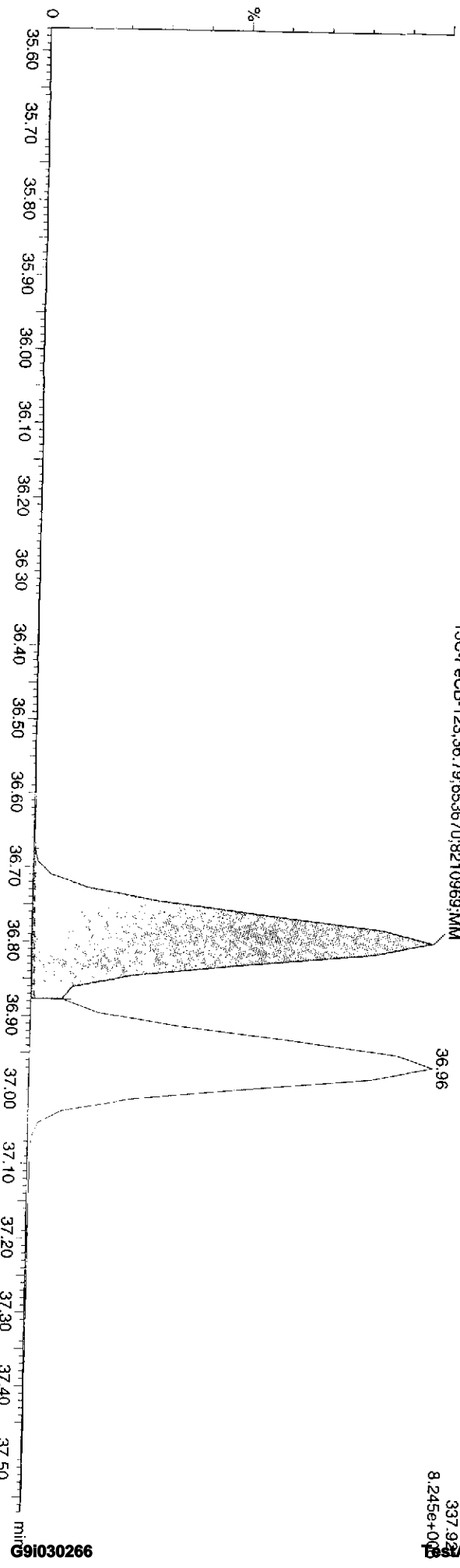


F3:Voltage SIR\_EI+  
335.924  
5.335e+006



F3:Voltage SIR\_EI+  
337.924  
8.245e+006

09SE0910D5\_19 Smooth(SG,1x2)  
G91030266-2 LKAGK-1-AA



Dataset: \\Terastation\share\ATG\10D5\09SE0910D5\1668MSLVg.qld

Last Altered: Monday, September 28, 2009 12:56:35 Pacific Daylight Time  
Printed: Monday, September 28, 2009 12:58:04 Pacific Daylight Time

Sample Name: 09SE0910D5\_19

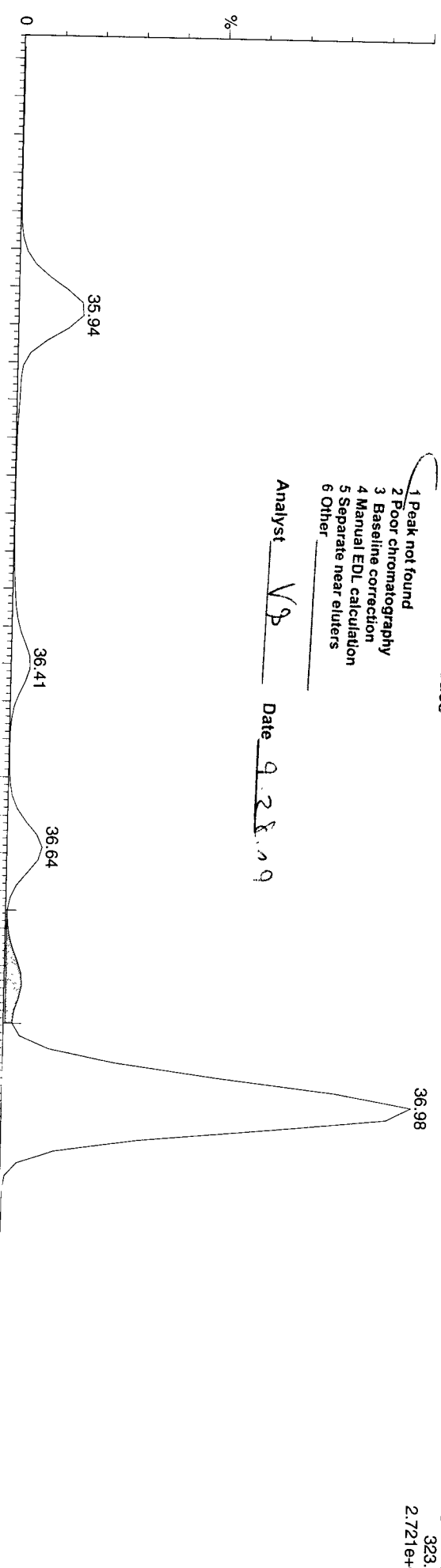
09SE0910D5\_19 Smooth(SG, 1x2)  
G91030266-2 LKAGK-1-AA

Manual Edit Codes

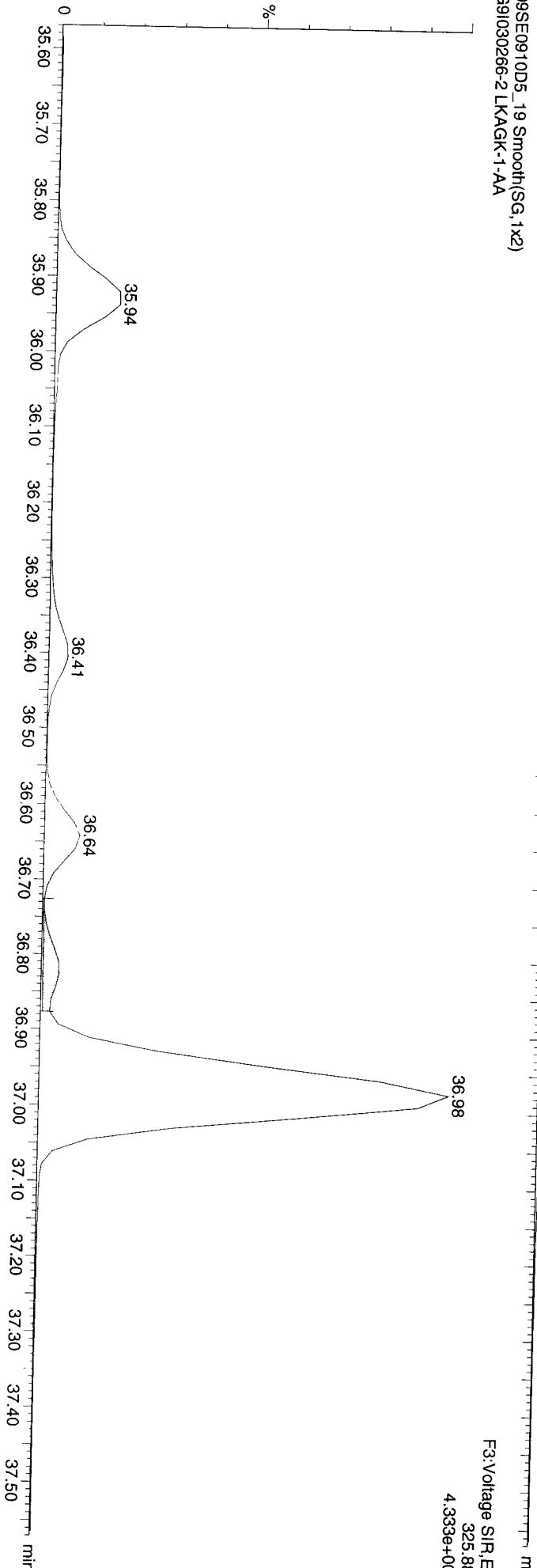
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VP Date 9.28.09

F3:Voltage SIR, EI+  
323.883  
2.721e+007



F3:Voltage SIR, EI+  
325.883  
4.333e+007



Quantity Compound Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\09SE0910D5\1668MSLVg.qld

Last Altered: Monday, September 28, 2009 12:56:35 Pacific Daylight Time

Printed: Monday, September 28, 2009 12:58:04 Pacific Daylight Time

Manual Edit Codes

Sample Name: 09SE0910D5\_19  
09SE0910D5\_19 Smooth(SG,1x2)  
G91030266-2 LKAGK-1-AA

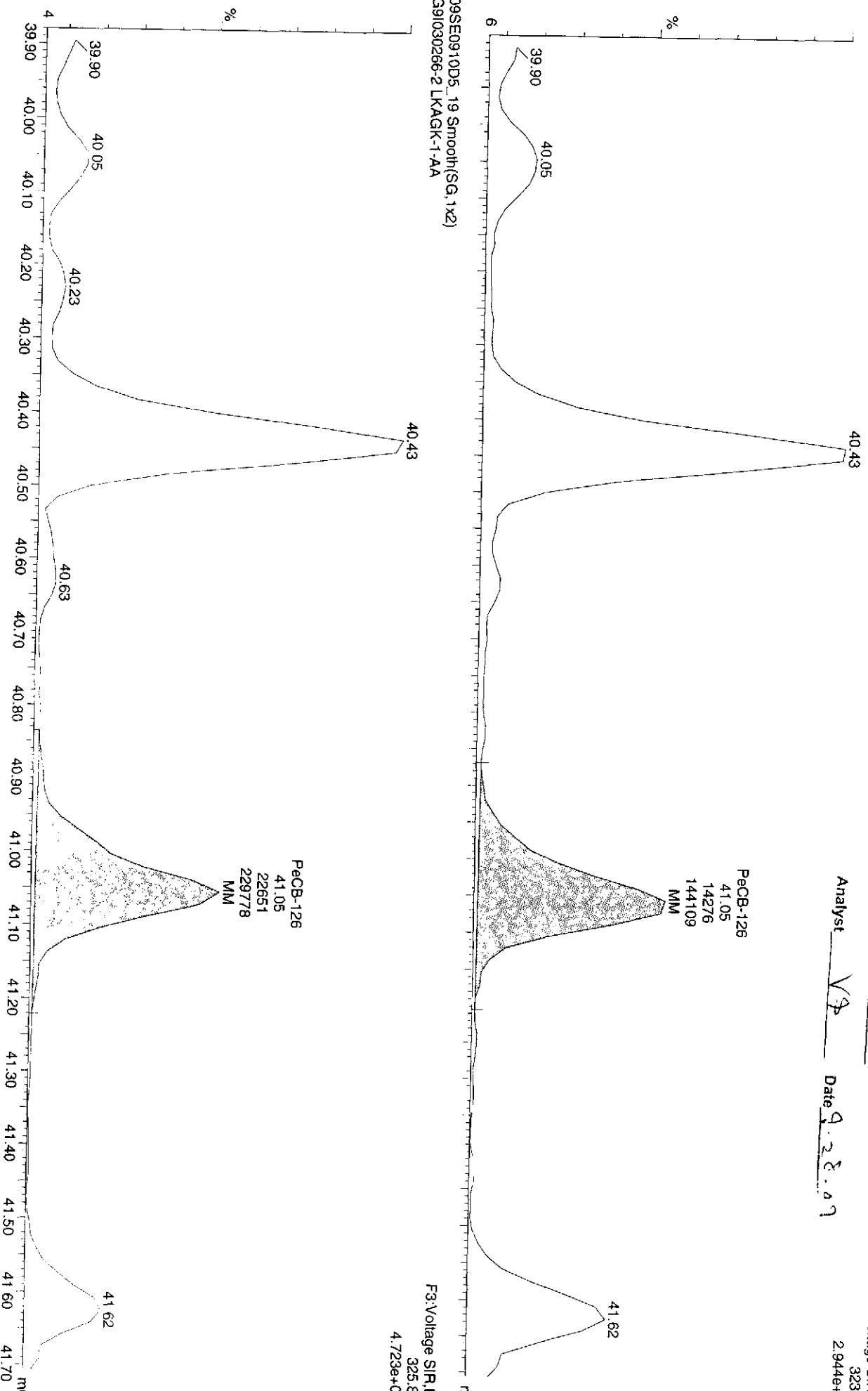
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VA Date 9-28-09

F3: Voltage S1R, EI+  
323.883  
2.944e+005

09SE0910D5\_19 Smooth(SG,1x2)  
G91030266-2 LKAGK-1-AA

F3: Voltage S1R, EI+  
325.883  
4.723e+005



Dataset: \\Terastation\share\ATG\10D5\09SE0910D5\1668MSLVg.qld

Last Altered: Monday, September 28, 2009 12:56:35 Pacific Daylight Time  
Printed: Monday, September 28, 2009 12:58:04 Pacific Daylight Time

Sample Name: 09SE0910D5\_19

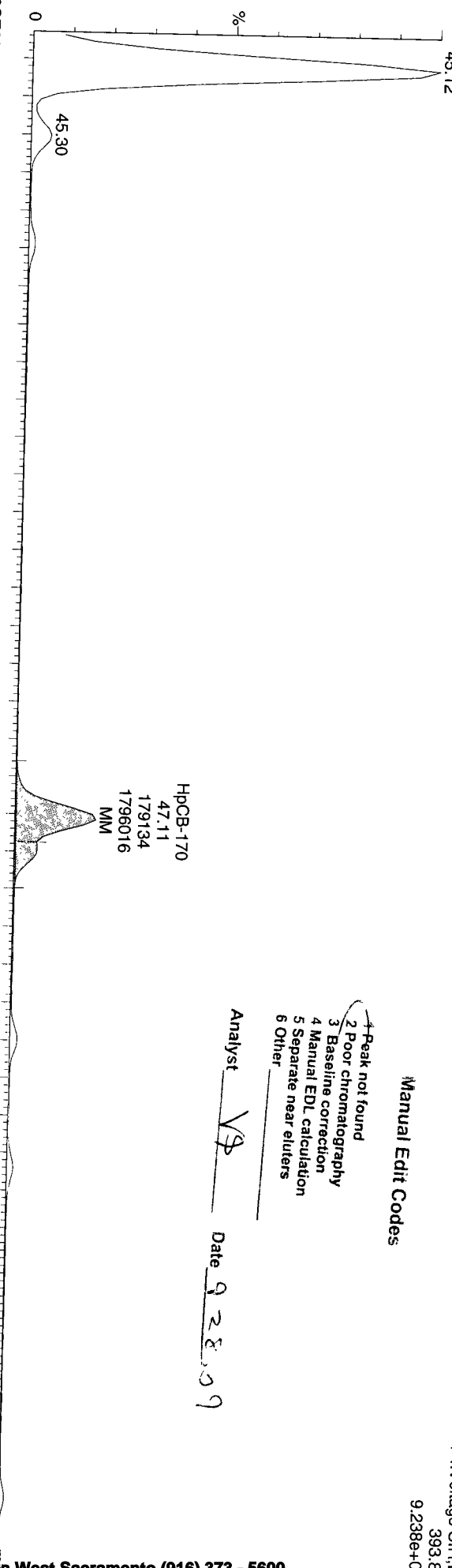
09SE0910D5\_19 Smooth(SG,1x2)  
G91030266-2 LKAGK-1-AA

F4:Voltage SIR, EI+  
393,803  
9.238e+006

Manual Edit Codes

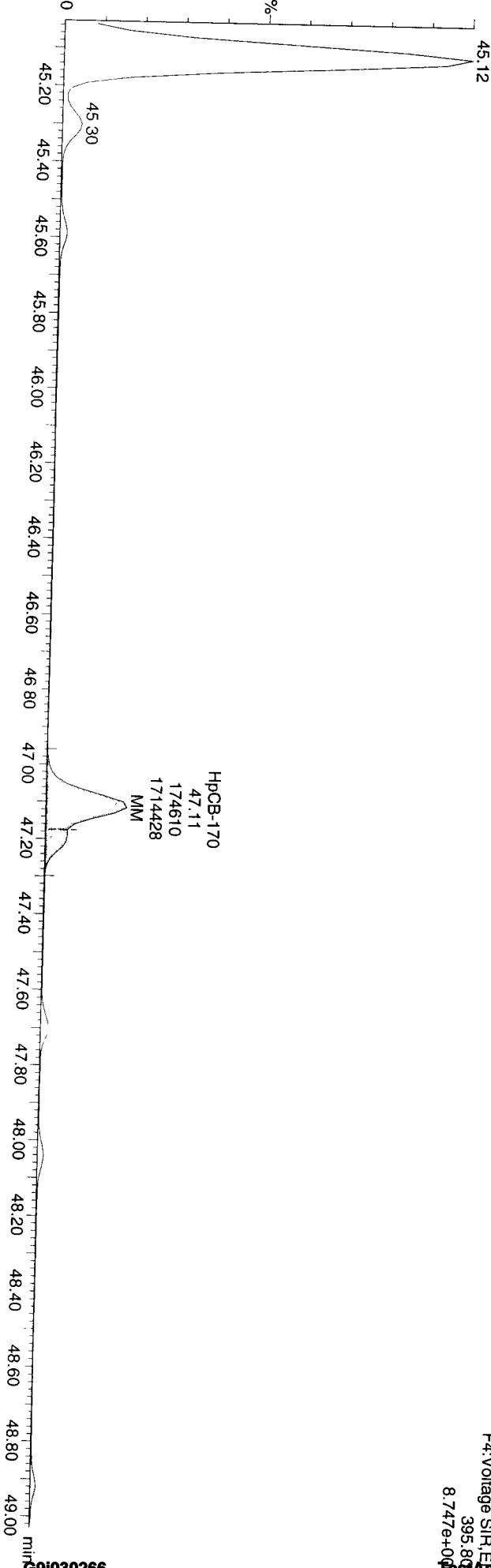
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VS Date 9-28-09



F4:Voltage SIR, EI+  
395,803  
8.747e+006

09SE0910D5\_19 Smooth(SG,1x2)  
G91030266-2 LKAGK-1-AA





Dataset: \\Terrastation\share\ATG\10D5\09SE0910D5\1668MSL.vg.qld

Last Altered: Monday, September 28, 2009 12:56:35 Pacific Daylight Time  
Printed: Monday, September 28, 2009 12:58:04 Pacific Daylight Time

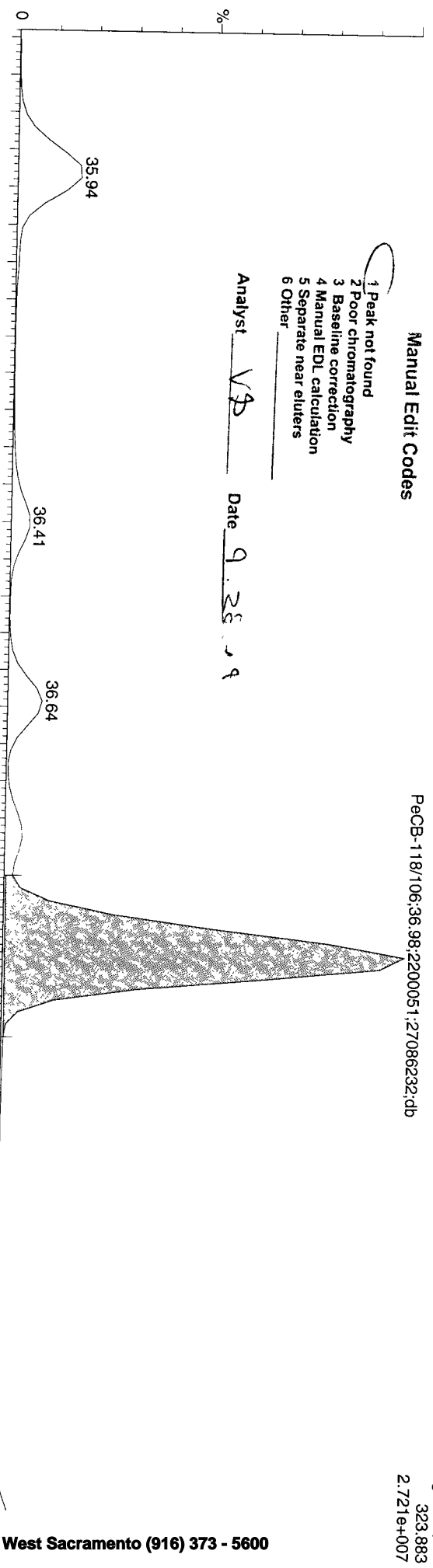
Sample Name: 09SE0910D5\_19

09SE0910D5\_19 Smooth(SG,1x2)  
G91030266-2 LKAGK-1-AA

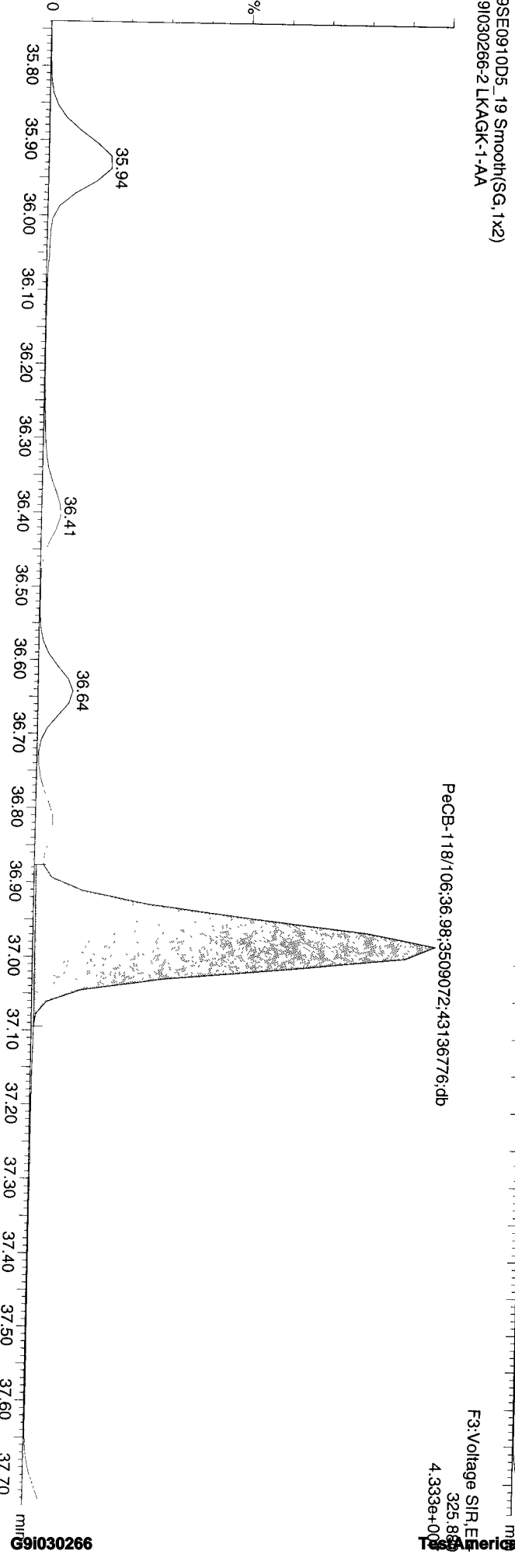
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VF Date 9.28.09



F3: Voltage SIR, EI+  
323.883  
2.721e+007



F3: Voltage SIR, EI+  
325.883  
4.333e+007

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:26:57 Pacific Daylight Time

Name: 09SE0910D5\_19, Date: 10-Sep-2009, Time: 02:24:21, ID: LKAGK-1-AA, Description: G91030266-2, Task:

# Name	Trace	Sample Size	RT	Prod RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prod Ratio	Ratio ...	Mod Date
1 13C-PeCB-101	335.924	0.500	32.65	32.31	1.000	774693.44	4000.0000	4000.0000	100.0	4.5310	0.645	0.610	NO	
2														
3 13C-TeCB-81	301.963	0.500	34.49	34.56	1.040	1024450.47	5086.9084	5086.9084	127.2	7.2159	0.794	0.770	NO	
4 TeCB-81	289.922	0.500	34.49	34.49	1.458				KL	4.9895		0.770	NO	
5 13C-TeCB-77	301.963	0.500	35.15	35.25	1.104	1112813.00	5203.1354	5203.1354	130.1	6.7947	0.817	0.770	NO	
6 TeCB-77	289.922	0.500	35.17	35.15	1.271	1143602.00	3235.2050	3235.2050	ND	5.0551	0.753	0.770	NO	
7														
8 13C-PeCB-123	335.924	0.500	36.96	36.91	0.993	1092304.84	5678.3363	5678.3363	142.0	4.5619	0.648	0.610	NO	
9 PeCB-123	323.883	0.500	36.98	36.96	1.505	5709122.75	13887.9279	13887.9279		4.0128	0.627	0.610	NO	
10 13C-PeCB-118	335.924	0.500	36.96	37.08	1.024	1092304.84	5507.3597	5507.3597	137.7	4.4245	0.648	0.610	NO	
11 PeCB-118/106	323.883	0.500	36.83	36.96	1.525	226347.41	543.4006	543.4006		3.9602	0.610	0.610	NO	
12 13C-PeCB-114	335.924	0.500	37.73	37.85	1.037	1105343.31	5504.1025	5504.1025	137.6	4.3697	0.641	0.610	NO	
13 PeCB-114	323.883	0.500	37.75	37.73	1.586	205284.63	468.3892	468.3892	KL	3.8428	0.611	0.610	NO	
14 13C-PeCB-105	335.924	0.500	38.77	38.92	0.982	1154873.13	6075.3350	6075.3350	151.9	4.6164	0.646	0.610	NO	
15 PeCB-105/127	323.883	0.500	38.79	38.77	1.433	2880340.00	6960.5469	6960.5469		4.1705	0.622	0.610	NO	
16 13C-PeCB-126	335.924	0.500	41.04	41.22	1.030	1458970.50	7313.8259	7313.8259	182.8	3.991	0.621	0.610	NO	
17 PeCB-126	323.883	0.500	41.04	41.04	1.156					4.1102		0.610	NO	
18														
19 13C-OcCB-202	439.804	0.500	43.80	43.73	1.000	1385566.06	4000.0000	4000.0000	100.0	1.3002	0.908	0.890	NO	
20														
21 13C-HxCB-167	371.882	0.500	42.39	42.34	1.002	1407114.50	4052.2142	4052.2142	101.3	2.3031	1.280	1.240	NO	
22 HxCB-167	359.841	0.500	42.40	42.39	1.348	94482.14	199.2520	175.9158	KL	1.5394	0.956	1.240	YES	
23 13C-HxCB-156	371.882	0.500	43.94	43.94	0.785	1419927.19	5220.8468	5220.8468	130.5	2.9407	1.293	1.240	NO	
24 HxCB-156	359.841	0.500	43.97	43.94	1.688	247535.08	413.0335	413.0335	KL	1.2489	1.241	1.240	NO	
25 13C-HxCB-157	371.882	0.500	44.33	44.31	0.835	1409457.00	4871.4740	4871.4740	121.8	2.7641	1.277	1.240	NO	
26 HxCB-157	359.841	0.500	44.34	44.33	1.660	51353.69	87.8139	87.8139		1.2790	1.275	1.240	NO	
27 13C-HxCB-169	371.882	0.500	46.52	46.54	0.871	1445553.69	4789.7229	4789.7229	119.7	2.6499	1.276	1.240	NO	
28 HxCB-169	359.841	0.500	47.11	46.52	1.098	13418.44	33.8065	33.8065		1.9007	1.407	1.240	NO	
29														
30 13C-HpCB-180	405.843	0.500	45.10	45.08	0.684	1127852.81	4760.0522	4760.0522	119.0	2.1111	1.065	1.050	NO	
31 HpCB-180	393.803	0.500	45.12	45.10	1.300	1443312.63	3936.4726	3936.4726		1.5803	1.060	1.050	NO	
32 13C-HpCB-170	405.843	0.500	47.08	47.10	0.548	860366.50	4534.6953	4534.6953	113.4	2.6364	1.056	1.050	NO	
33 HpCB-170	393.803	0.500	47.11	47.08	1.615	298718.81	859.9323	859.9323	KL	1.7162	1.044	1.050	NO	
34 13C-HpCB-189	405.843	0.500	48.89	48.92	0.698	1340655.19	5547.5362	5547.5362	138.7	2.0698	1.041	1.050	NO	
35 HpCB-189	393.803	0.500	48.89	48.89	1.231					1.2704		1.050	NO	

Page 11 of 18  
 252 of 387  
 KL-1000  
 6

Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:26:57 Pacific Daylight Time

Name: 09SE0910D5\_19, Date: 10-Sep-2009, Time: 02:24:21, ID: LKAGK-1-AA, Description: G9I030266-2, Task:

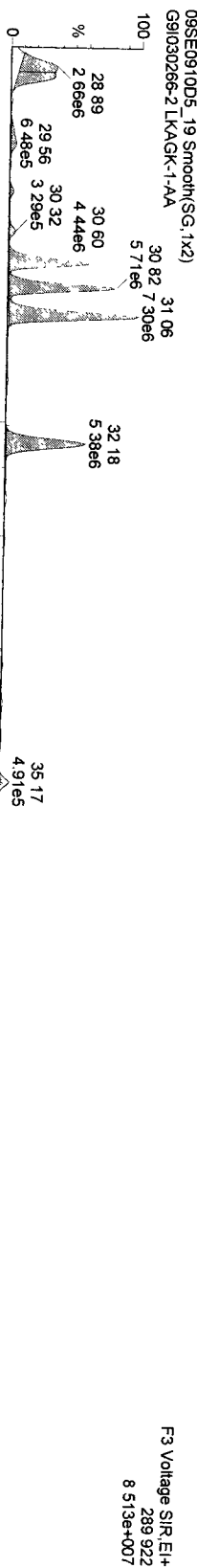
# Name	Trace	Sample Size	RT	Prd:RT	RRF M...	Abs:Resp	pg	EMPC	%Rec	EDL	Ratio	Prd:Ratio	Ratio ...	Mod Date
36														
37 13C-PeCB-111	335 924	0 500	34.36	34.06	1.305	1079439.94	2802.6584		70.1	2.2928	0.633	0.610	NO	
38														
39 Function 3 PFK	380 976	1 000												
40 Function 4 PFK	380 976	1,000												

Dataset: C:\MassLynx\Default\pro\09SE0910D51668MSL.qld

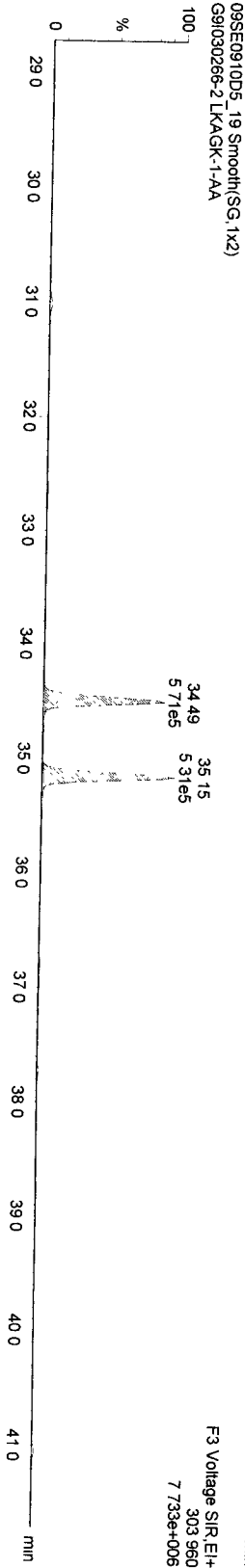
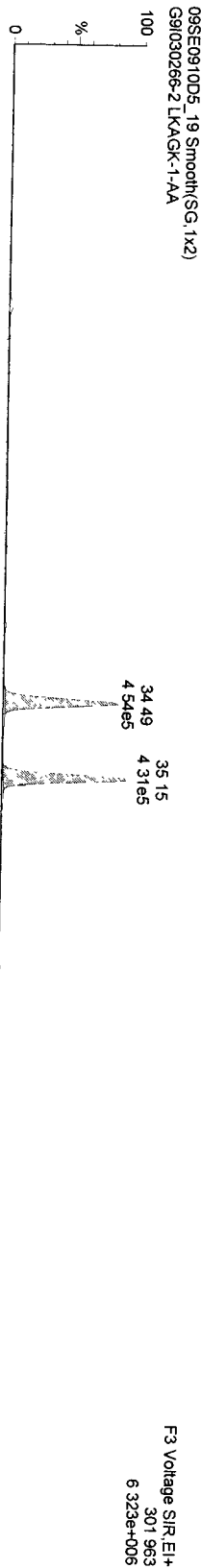
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_19, Date: 10-Sep-2009, Time: 02:24:21, ID: LKAGK-1-AA, Description: G91030266-2

**TetraPCBs**



**13C-TetrasPCBs**

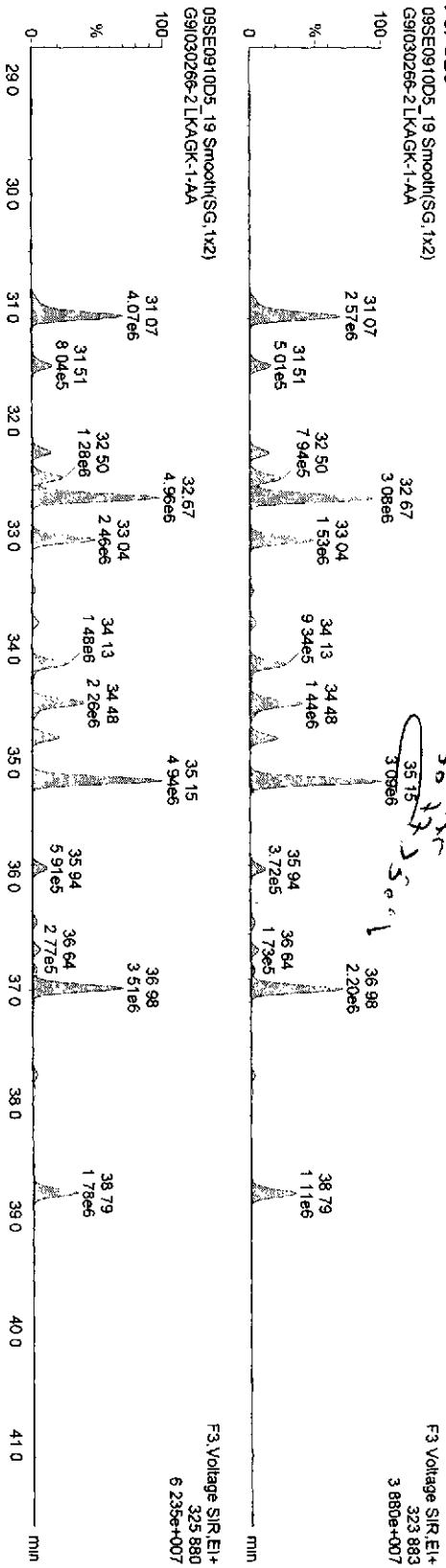


Dataset: C:\MassLynx\Default\pro\09SE0910D51668MSL.qid

Last Altered Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

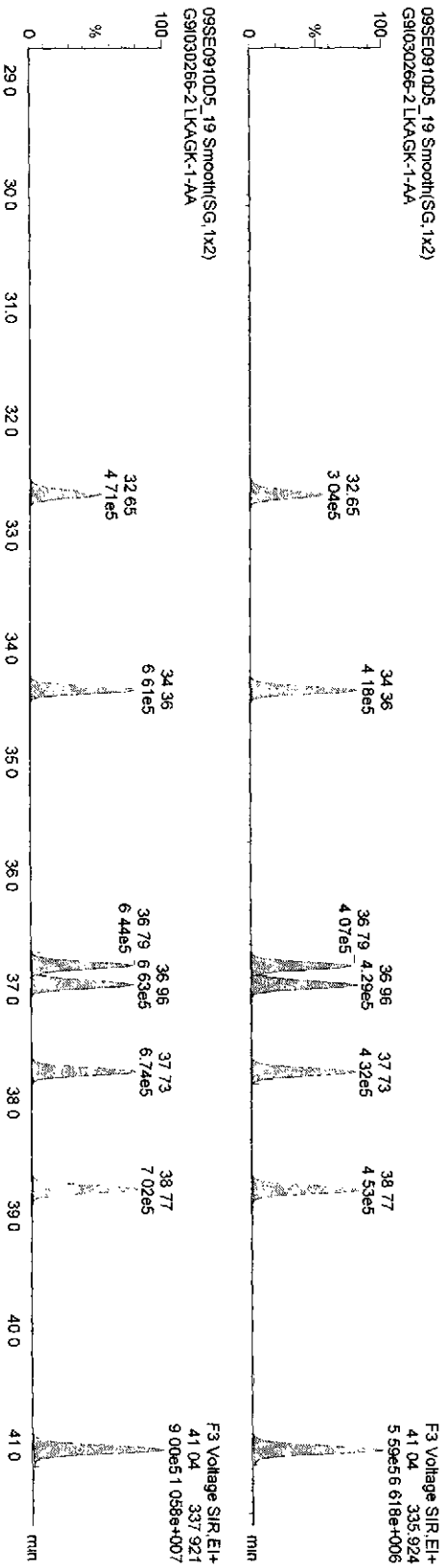
Name: 09SE0910D5\_19, Date: 10-Sep-2009, Time: 02:24:21, ID: LKAGK-1-AA, Description: G91030266-2

PePCBs



*Contaminant*

13C-PePCBs

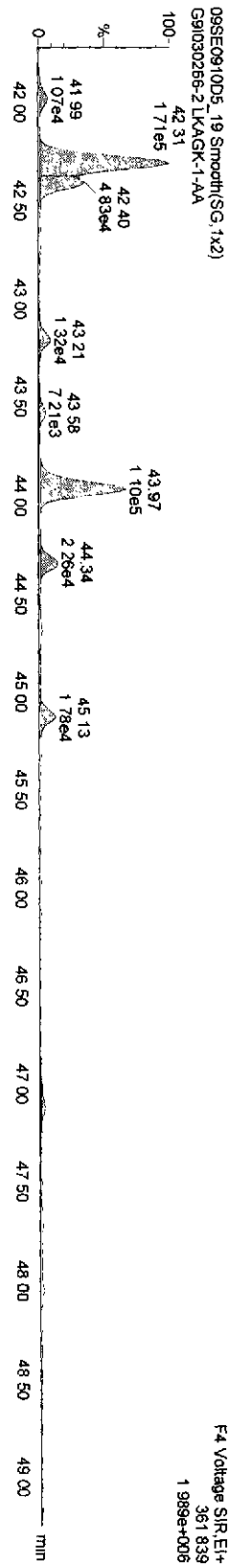
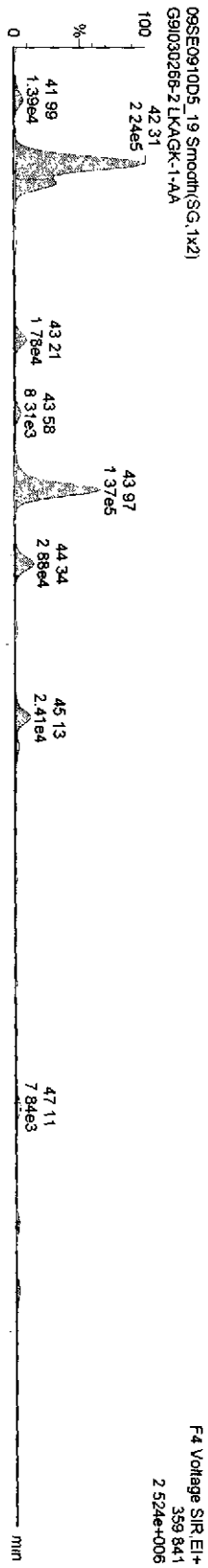


Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

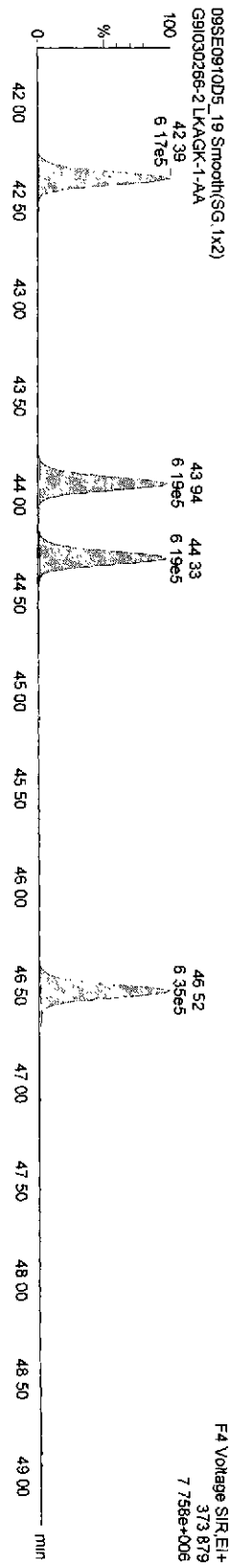
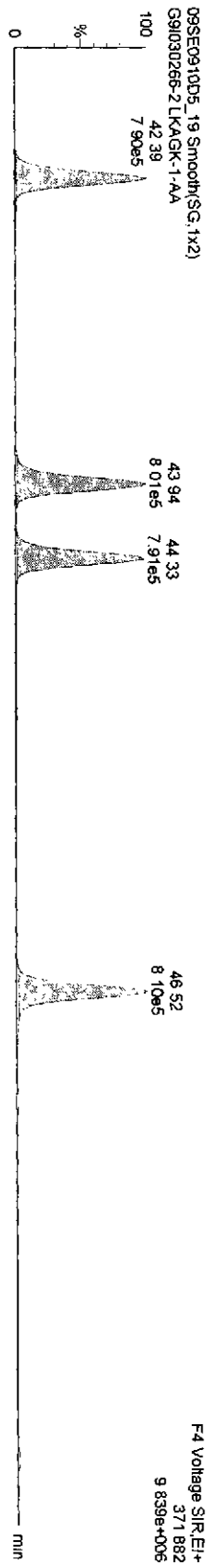
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_19, Date: 10-Sep-2009, Time: 02:24:21, ID: LKAGK-1-AA, Description: G91030266-2

**HPCBs-**



**13C-HPCBs**

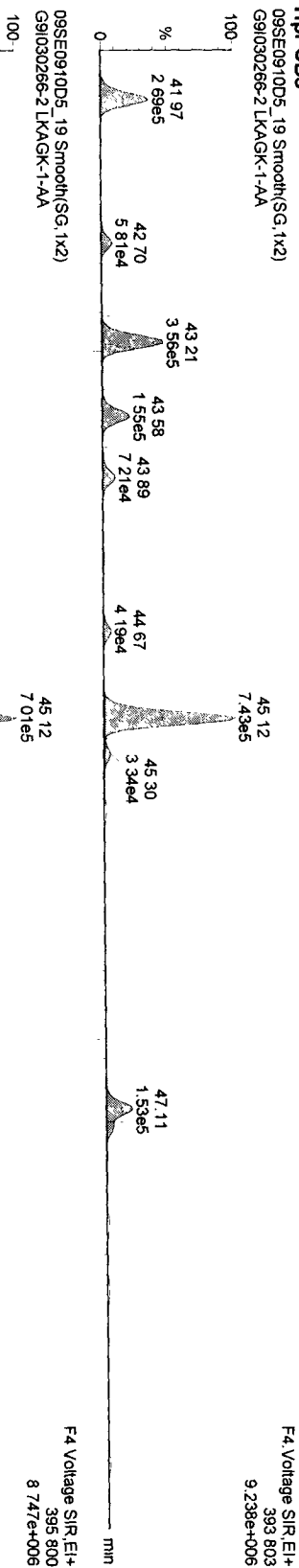


Dataset: C:\MassLynx\Default pro\09SE0910D5\1668MSL.qld

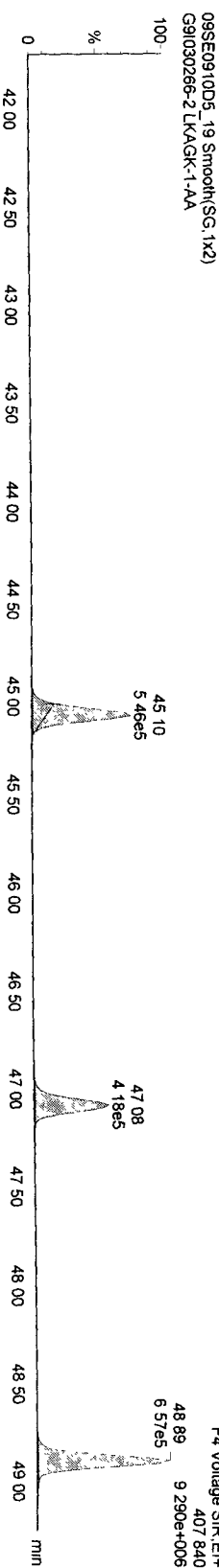
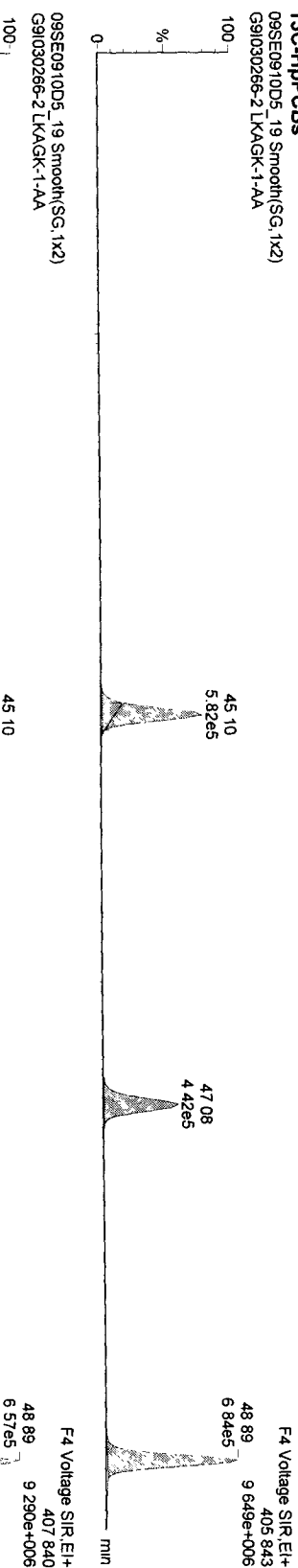
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_19, Date: 10-Sep-2009, Time: 02:24:21, ID: LKAGK-1-AA, Description: G91030266-2

**HPPCBs**



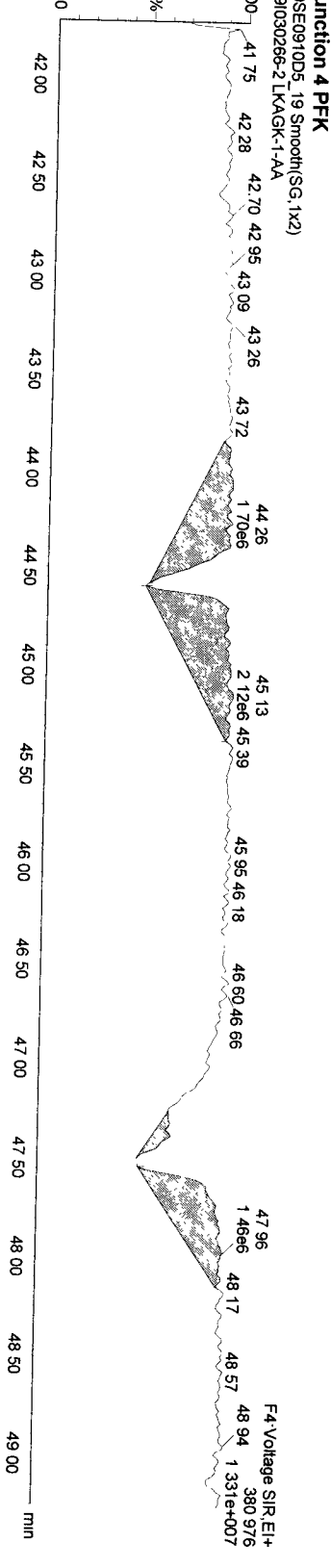
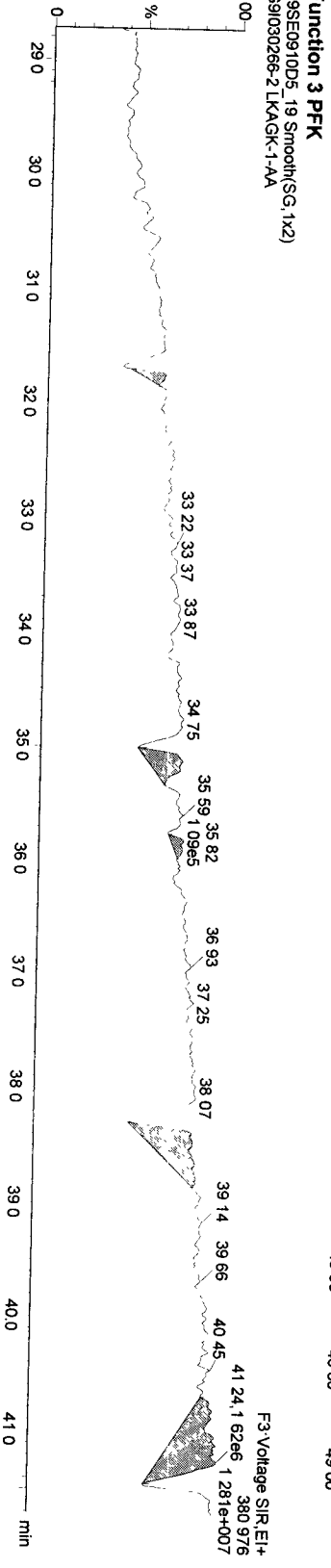
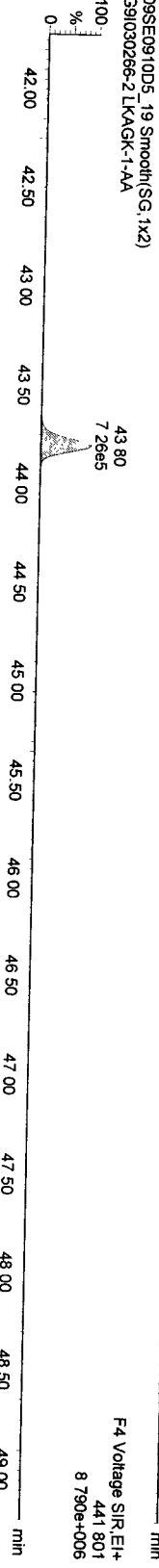
**13C-HPPCBs**



Dataset: C:\Masslynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_19, Date: 10-Sep-2009, Time: 02:24:21, ID: LKAGK-1-AA, Description: G91030266-2





Quantity Sample Summary Report MassLynx 4.1

Dataset: \\Terastation\share\ATG\10D5\09SE0910D5\1668MSLVg.qld

Last Altered: Monday, September 28, 2009 13:05:27 Pacific Daylight Time  
 Printed: Monday, September 28, 2009 13:08:03 Pacific Daylight Time

Handwritten notes:  $R_L = 1000$ ,  $V_8$ ,  $9.28^{109}$ , and a circled '7'.

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 09 Sep 2009 12:46:16  
 Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D5\1668MSL.cdb 21 Jul 2009 13:15:46

Name: 09SE0910D5\_20, Date: 10-Sep-2009, Time: 03:21:09, ID: LKAGG-1-AA, Description: G9I030266-3, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	0.500	32.55	32.31	1.00000	830226.44	4000.0000	4000.0000	100.0	4.90864	0.65	NO	
2													
3 13C-TeCB-81	301.963	0.500	34.41	34.46	1.03984	1027568.16	4761.0957	4761.0957	119.0	5.92898	0.80	NO	
4 TeCB-81	289.922	0.500	34.41	34.41	1.45839	99327.64	265.1227	265.1227	122.4	4.37628	0.76	NO	28-Sep-09
5 13C-TeCB-77	301.963	0.500	35.08	35.15	1.10430	1122485.31	4897.3024	4897.3024	122.4	5.58290	0.79	NO	
6 TeCB-77	289.922	0.500	35.10	35.08	1.27061	470518.50	1319.6086	1319.6086	122.4	4.55200	0.77	NO	
7													
8 13C-PeCB-123	335.924	0.500	36.74	36.81	0.99324	1073802.47	5208.7675	5208.7675	130.2	4.94206	0.63	NO	
9 PeCB-123	323.883	0.500	36.78	36.74	1.50539	101954.14	252.2856	252.2856	133.0	3.01340	0.64	NO	
10 13C-PeCB-118	335.924	0.500	36.89	36.98	1.02407	1130816.03	5320.1620	5320.1620	133.0	4.79325	0.64	NO	
11 PeCB-118/106	323.883	0.500	36.93	36.89	1.52536	2841491.38	6589.3537	6589.3537	130.9	2.82797	0.63	NO	
12 13C-PeCB-114	335.924	0.500	37.68	37.75	1.03691	1127074.06	5236.9099	5236.9099	130.9	4.73391	0.63	NO	
13 PeCB-114	323.883	0.500	37.70	37.68	1.58603	90769.30	203.1113	203.1113	143.0	2.72037	0.61	NO	
14 13C PeCB-105	335.924	0.500	38.72	38.82	0.98151	1165001.22	5718.6781	5718.6781	143.0	5.00111	0.64	NO	
15 PeCB-105/127	323.883	0.500	38.74	38.72	1.43326	1283090.94	3073.7245	3073.7245	166.9	2.77355	0.61	NO	
16 13C-PeCB-126	335.924	0.500	41.00	41.12	1.02999	1427140.69	6675.7216	6675.7216	166.9	4.76572	0.63	NO	
17 PeCB-126	323.883	0.500	41.04	41.00	1.15582	19239.00	46.6538	46.6538	186.9	2.92361	0.67	NO	28-Sep-09
18													
19 13C-OcCB-202	439.804	0.500	43.78	43.73	1.00000	1327327.63	4000.0000	4000.0000	100.0	1.62955	0.88	NO	
20													
21 13C-HXCB-167	371.882	0.500	42.36	42.32	1.00247	1323611.69	3978.9882	3978.9882	99.5	2.58217	1.28	NO	
22 HXCB-167	359.841	0.500	42.37	42.36	1.34796	61673.91	138.2686	138.2686	126.4	1.79575	1.15	NO	
23 13C-HXCB-156	371.882	0.500	43.92	43.92	0.78510	1317402.25	5056.7672	5056.7672	126.4	3.29707	1.29	NO	
24 HXCB-156	359.841	0.500	43.94	43.92	1.68840	1511199.27	271.9038	271.9038	116.9	1.44283	1.23	NO	
25 13C-HXCB-157	371.882	0.500	44.29	44.29	0.83526	1296568.31	4674.3150	4674.3150	116.9	3.09906	1.27	NO	
26 HXCB-157	359.841	0.500	44.32	44.29	1.65665	28976.40	53.9048	53.9048	114.3	1.52216	1.24	NO	
27 13C-HXCB-169	371.882	0.500	46.51	46.52	0.87128	1322130.81	4572.9841	4572.9841	114.3	2.97097	1.28	NO	
28 HXCB-169	359.841	0.500	47.11	46.51	1.09832	9382.81	25.8459	25.8459	114.9	2.24950	1.34	NO	
29													
30 13C-HpCB-180	405.843	0.500	45.08	45.06	0.68403	1043221.50	4596.0519	4596.0519	114.9	2.01857	1.05	NO	
31 HpCB-180	393.803	0.500	45.10	45.08	1.30035	1001585.00	2953.3202	2953.3202	114.9	2.10542	1.04	NO	

Quantity Sample Summary Report Masslynx 4.1

Dataset: \\Terastation\share\ATG\10D5\09SE0910D51668MSLVg.qld

Last Altered: Monday, September 28, 2009 13:05:27 Pacific Daylight Time  
 Printed: Monday, September 28, 2009 13:08:03 Pacific Daylight Time

Name: 09SE0910D5\_20, Date: 10-Sep-2009, Time: 03:21:09, ID: LKAGQ-1-AA, Description: G91030266-3, Task:

# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32 13C-HpCB-170	405.843	0.500	47.08	47.08	0.54773	799403.31	4398.2475	4398.2475	110.0	2.52086	1.04	NO	
33 HpCB-170	393.803	0.500	47.10	47.08	1.61501	253744.75	786.1697	786.1697	130.8	2.22454	1.03	NO	
34 13C-HpCB-189	405.843	0.500	48.89	48.90	0.69767	1211480.06	5232.9722	5232.9722	130.8	1.97910	1.06	NO	
35 HpCB-189	393.803	0.500	48.89	48.89	1.23073					1.71677		NO	
36													
37 13C-PeCB-111	335.924	0.500	34.28	34.06	1.30475	1081667.66	2798.9427		70.0	2.79669	0.62	NO	
38													
39 Function 3 PFK	380.976	1.000			0.00								
40 Function 4 PFK	380.976	1.000			0.00								

Dataset: \\Terastation\share\ATG\10D5\09SE0910D5\1668MSL\vg.qld

Last Altered: Monday, September 28, 2009 13:05:27 Pacific Daylight Time  
Printed: Monday, September 28, 2009 13:07:09 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL.10DB5.mdb 09 Sep 2009 12:46:16  
Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D5\1668MSL.cdb 21 Jul 2009 13:15:46

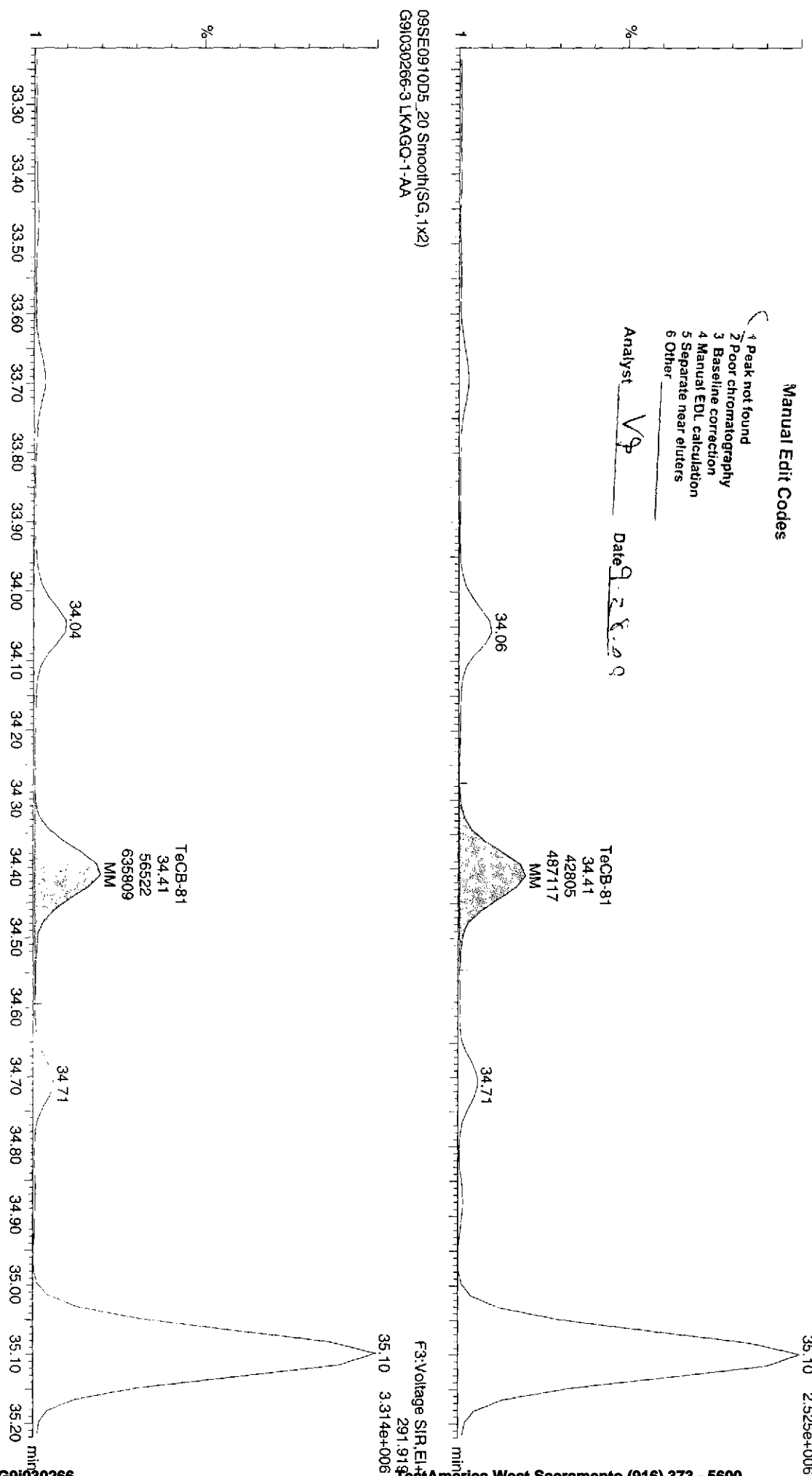
Sample Name: 09SE0910D5\_20

09SE0910D5\_20 Smooth(SG,1x2)  
G91030266-3 LKAGC-1-AA

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst Vp Date 9.28.09



Dataset: \\Terastation\share\ATG\10D5\09SE0910D5\1668MSL.vg.qld

Last Altered: Monday, September 28, 2009 13:05:27 Pacific Daylight Time

Printed: Monday, September 28, 2009 13:07:09 Pacific Daylight Time

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

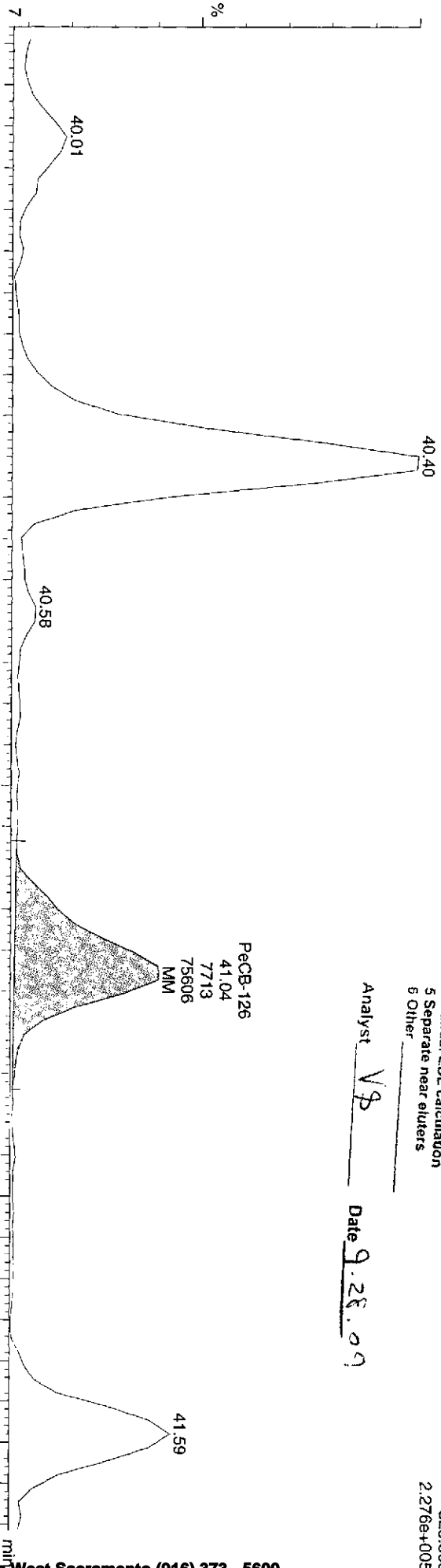
Sample Name: 09SE0910D5\_20

09SE0910D5\_20 Smooth(SG,1x2)

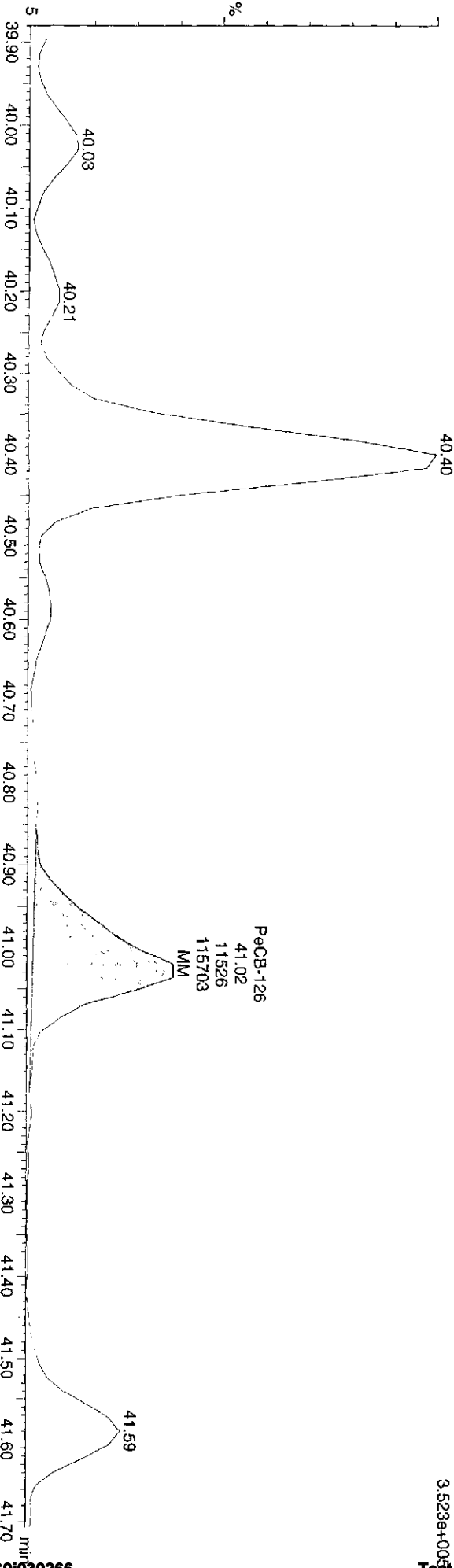
G91030266-3 LKAGQ-1-AA

F3: Voltage S1R, EI+  
323,883  
2.276e+005

Analyst VP Date 9.28.09



09SE0910D5\_20 Smooth(SG,1x2)  
G91030266-3 LKAGQ-1-AA



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:26:57 Pacific Daylight Time

Name: 09SE0910D5\_20, Date: 10-Sep-2009, Time: 03:21:09, ID: LKAGQ-1-AA, Description: G91030266-3, Task:

# Name	Trace	Sample Size	RT	Ptd RT	RRF M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ptd Ratio	Ratio ...	Mod Date
1 13C-PeCB-101	335 924	0.500	32.55	32.31	1.000	830226.44	4000.0000	4000.0000	100.0	4.9086	0.645	0.610	NO	
2														
3 13C-TeCB-81	301 963	0.500	34.41	34.46	1.040	1027568.16	4761.0957	4761.0957	119.0	5.9290	0.798	0.770	NO	
4 TeCB-81	289 922	0.500	34.41	34.41	1.458				← R	4.3763		0.770	NO	
5 13C-TeCB-77	301 963	0.500	35.08	35.15	1.104	1122485.31	4897.3024	4897.3024	122.4	5.5829	0.794	0.770	NO	
6 TeCB-77	289 922	0.500	35.10	35.08	1.271	470518.50	1319.6086	1319.6086	ND	4.5520	0.765	0.770	NO	
7														
8 13C-PeCB-123	335 924	0.500	36.74	36.81	0.993	1073802.47	5208.7675	5208.7675	130.2	4.9421	0.629	0.610	NO	
9 PeCB-123	323 883	0.500	36.78	36.74	1.505	101954.14	252.2856	252.2856	← R	3.0134	0.645	0.610	NO	
10 13C-PeCB-118	335 924	0.500	36.89	36.98	1.024	1130816.03	5320.1620	5320.1620	133.0	4.7933	0.642	0.610	NO	
11 PeCB-118/106	323 883	0.500	36.93	36.89	1.525	2841491.38	6589.3537	6589.3537	✓	2.8280	0.626	0.610	NO	
12 13C-PeCB-114	335 924	0.500	37.68	37.75	1.037	1127074.06	5236.9099	5236.9099	130.9	4.7339	0.633	0.610	NO	
13 PeCB-114	323 883	0.500	37.70	37.68	1.586	90769.30	203.1113	203.1113	← R	2.7204	0.608	0.610	NO	
14 13C PeCB-105	335 924	0.500	38.72	38.82	0.982	1165001.22	5718.6781	5718.6781	143.0	5.0011	0.636	0.610	NO	
15 PeCB-105/127	323 883	0.500	38.74	38.72	1.433	1283090.94	3073.7245	3073.7245	✓	2.7736	0.613	0.610	NO	
16 13C-PeCB-126	335 924	0.500	41.00	41.12	1.030	1427140.69	6675.7216	6675.7216	166.9	4.7657	0.630	0.610	NO	
17 PeCB-126	323 883	0.500	41.00	41.00	1.156				ND	2.9236	0.630	0.610	NO	
18														
19 13C-OcCB-202	439 804	0.500	43.78	43.73	1.000	1327327.63	4000.0000	4000.0000	100.0	1.6296	0.885	0.890	NO	
20														
21 13C-HxCB-167	371 882	0.500	42.36	42.32	1.002	1323611.69	3978.9882	3978.9882	99.5	2.5822	1.278	1.240	NO	
22 HxCB-167	359 841	0.500	42.37	42.36	1.348	61673.91	138.2686	138.2686	← R	1.7958	1.151	1.240	NO	
23 13C-HxCB-156	371 882	0.500	43.92	43.92	0.785	1317402.25	5056.7672	5056.7672	126.4	3.2971	1.289	1.240	NO	
24 HxCB-156	359 841	0.500	43.94	43.92	1.688	151199.27	271.9038	271.9038	✓	1.4428	1.233	1.240	NO	
25 13C-HxCB-157	371 882	0.500	44.29	44.29	0.835	1295668.31	4674.3150	4674.3150	116.9	3.0991	1.271	1.240	NO	
26 HxCB-157	359 841	0.500	44.32	44.29	1.660	28976.40	53.9048	53.9048	✓	1.5222	1.238	1.240	NO	
27 13C-HxCB-169	371 882	0.500	46.51	46.52	0.871	1322130.81	4572.9841	4572.9841	114.3	2.9710	1.277	1.240	NO	
28 HxCB-169	359 841	0.500	47.11	46.51	1.098	9382.81	25.8459	25.8459	✓	2.2495	1.340	1.240	NO	
29														
30 13C-HpCB-180	405 843	0.500	45.08	45.06	0.684	1043221.50	4596.0519	4596.0519	114.9	2.0186	1.046	1.050	NO	
31 HpCB-180	393 803	0.500	45.10	45.08	1.300	1001585.00	2953.3202	2953.3202	✓	2.1054	1.044	1.050	NO	
32 13C-HpCB-170	405 843	0.500	47.08	47.08	0.548	799403.31	4398.2475	4398.2475	110.0	2.5209	1.036	1.050	NO	
33 HpCB-170	393 803	0.500	47.10	47.08	1.615	253744.75	786.1697	786.1697	← R	2.2245	1.031	1.050	NO	
34 13C-HpCB-189	405 843	0.500	48.89	48.90	0.698	1211480.06	5232.9722	5232.9722	130.8	1.9791	1.060	1.050	NO	
35 HpCB-189	393 803	0.500	48.89	48.89	1.231				ND	1.7168	1.060	1.050	NO	

Dataset: C:\MassLynx\Default\pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time

Printed: Thursday, September 10, 2009 09:26:57 Pacific Daylight Time

Name: 09SE0910D5\_20, Date: 10-Sep-2009, Time: 03:21:09, ID: LKAGQ-1-AA, Description: G9I030266-3, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ratio ...	Mod Date
36														
37	13C-PeCB-111	335.924	0.500	34.28	34.06	1.305	1081667.66	2798.9427	70.0	2.7967	0.624	0.610	NO	
38														
39	Function 3 PFK	380.976	1.000											
40	Function 4 PFK	380.976	1.000											

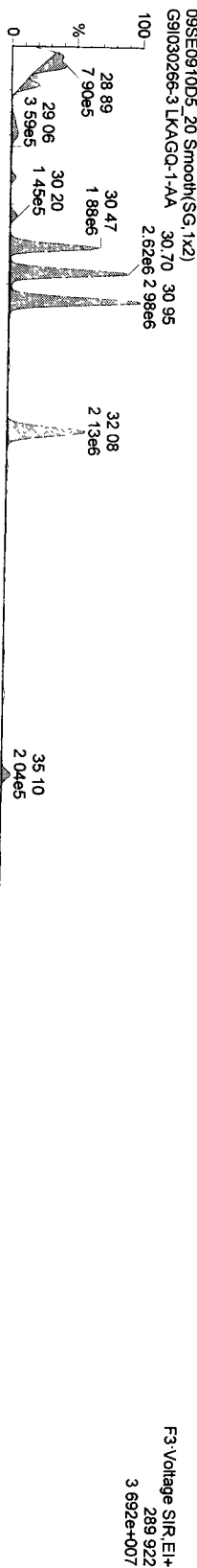
Quantify Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\proj\09SE0910D51668MSL.qld

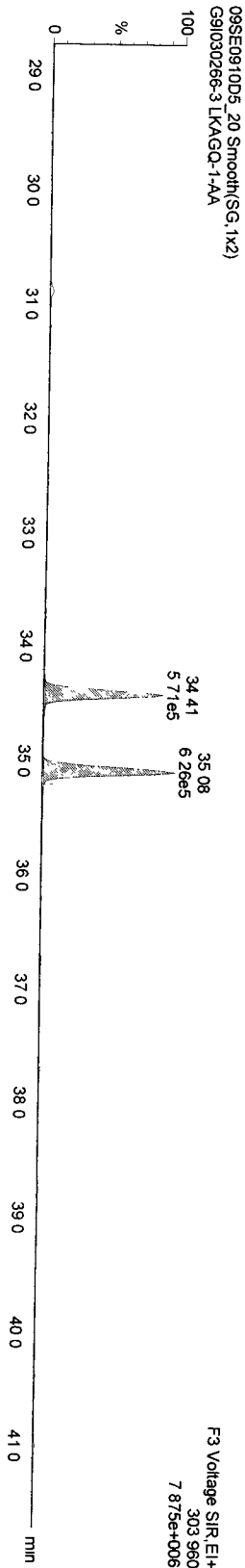
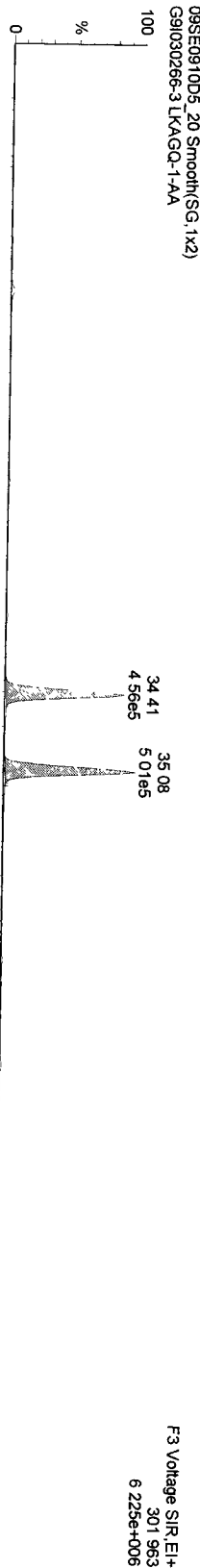
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_20, Date: 10-Sep-2009, Time: 03:21:09, ID: LKAGQ-1-AA, Description: G91030266-3

TetraPCBs



13C-TetraPCBs



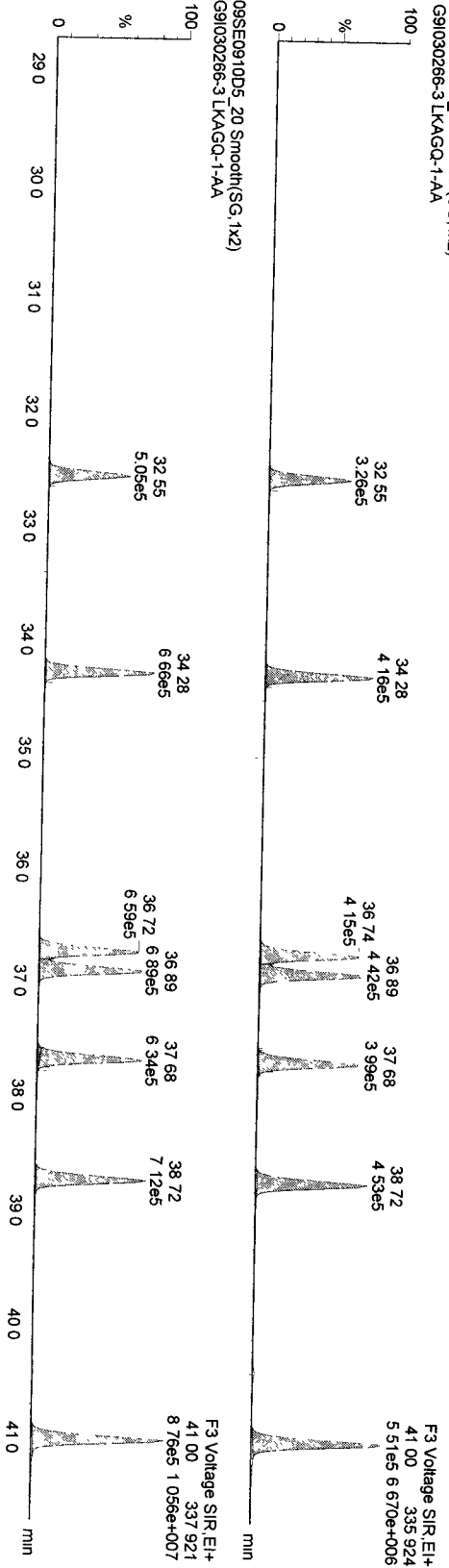
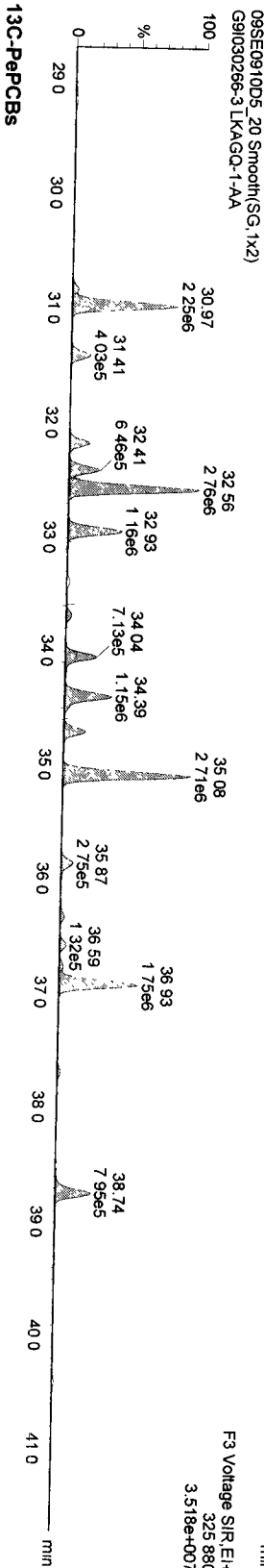
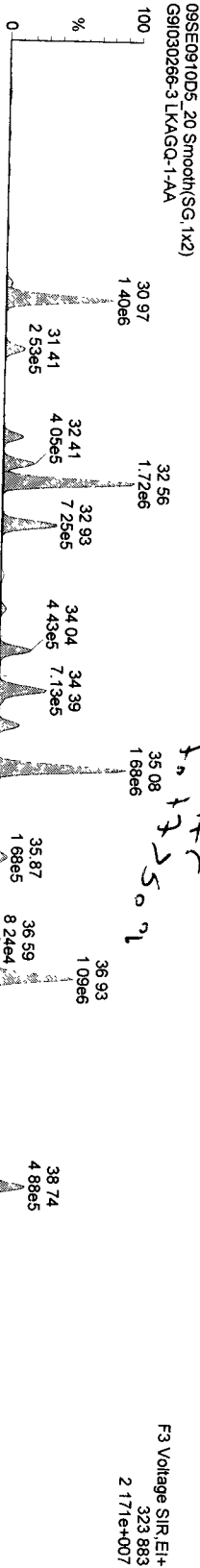
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\09SE0910D5\1668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_20, Date: 10-Sep-2009, Time: 03:21:09, ID: LKAGQ-1-AA, Description: G91030266-3

PePCBs



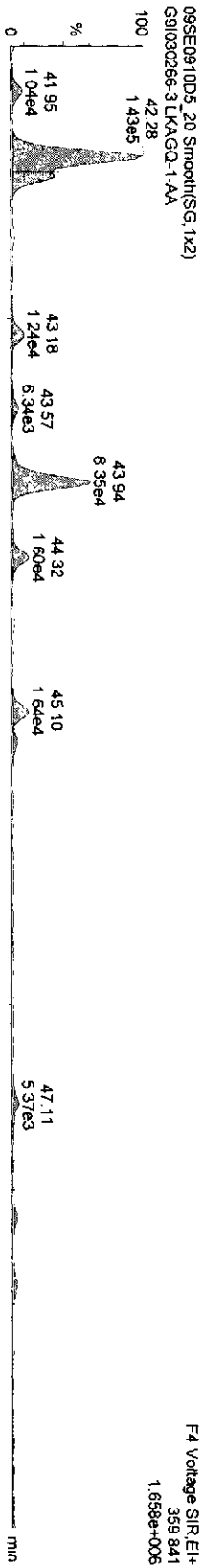


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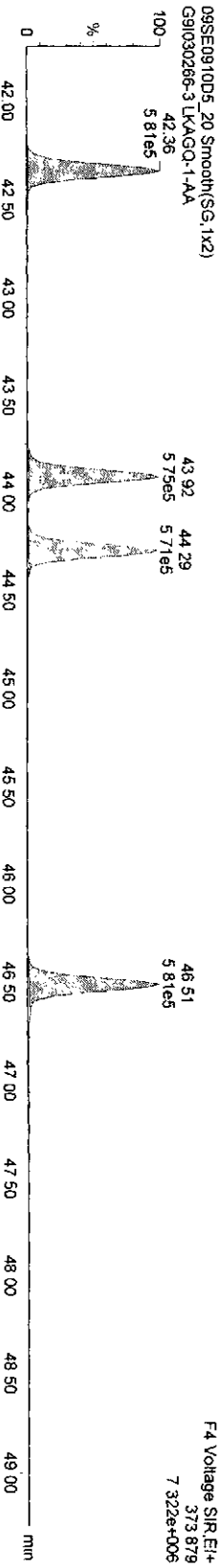
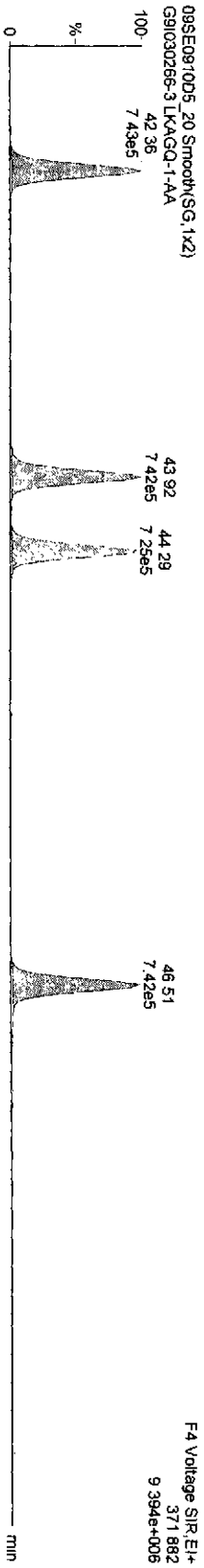
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_20, Date: 10-Sep-2009, Time: 03:21:09, ID: LKAGQ-1-AA, Description: G91030266-3

**HPCBs-**



**13C-HPCBs**

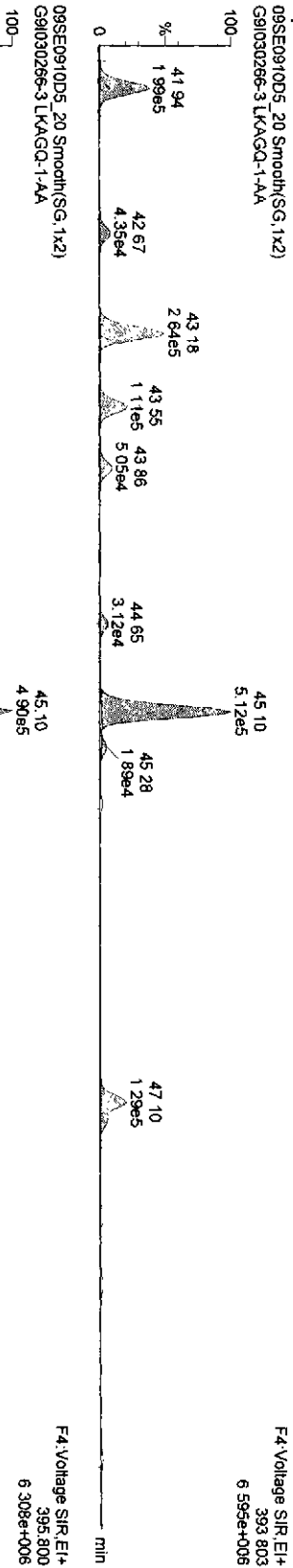


Dataset: C:\MassLynx\Default\pro\09SE0910D51668MSL.qld

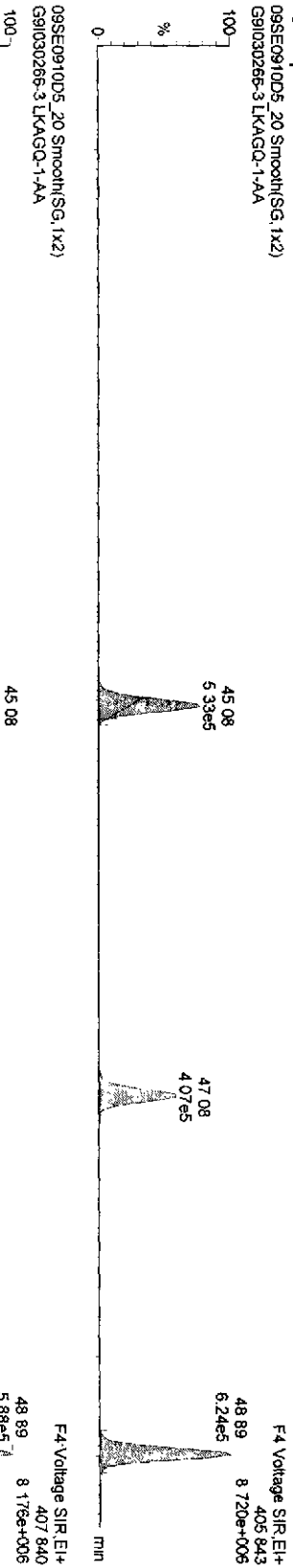
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_20, Date: 10-Sep-2009, Time: 03:21:09, ID: LKAGQ-1-AA, Description: G91030266-3

**HPGCs**



**13C-HPGCs**



**13C-HPGCs**

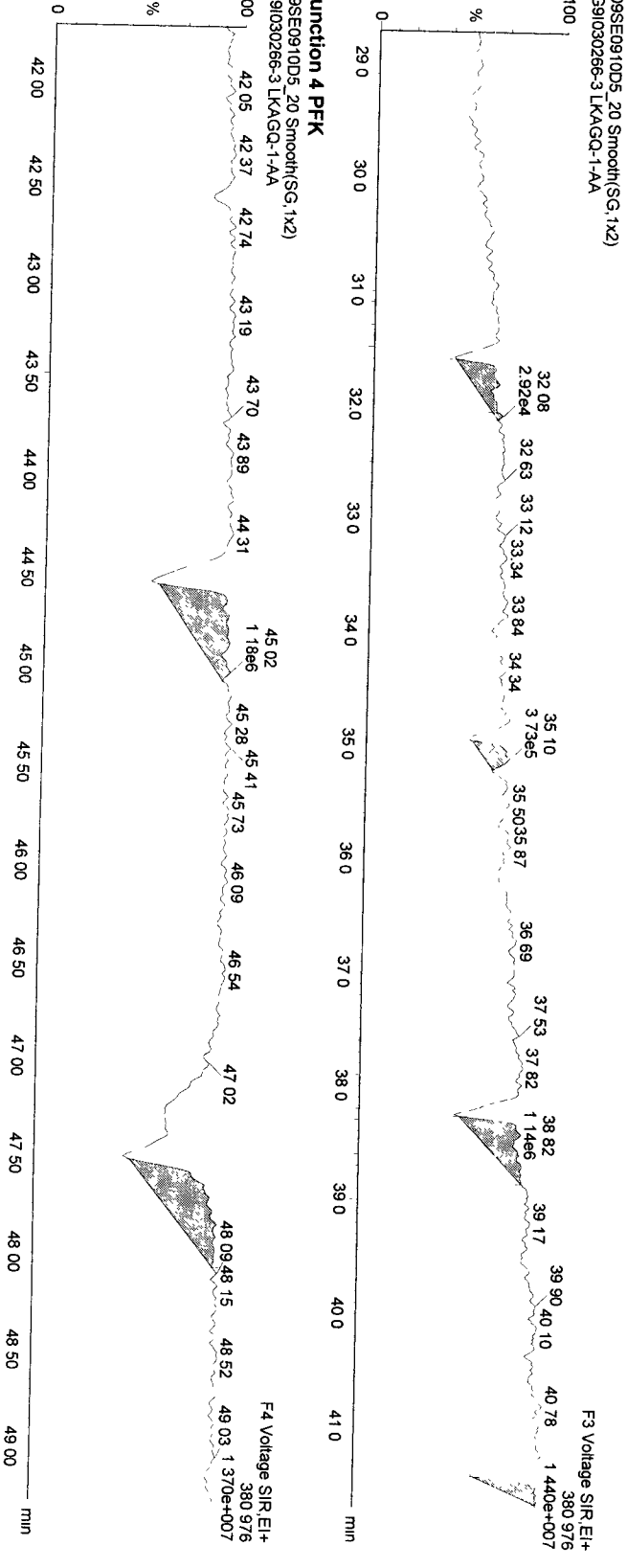
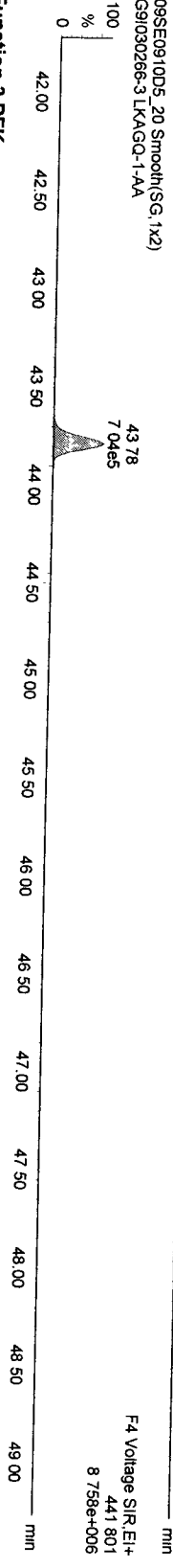


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\09SE0910D5\1668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_20, Date: 10-Sep-2009, Time: 03:21:09, ID: LKAGQ-1-AA, Description: G91030266-3



Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSLRT.qld

Last Altered: Monday, September 28, 2009 12:42:34 Pacific Daylight Time  
 Printed: Monday, September 28, 2009 12:44:11 Pacific Daylight Time

*RL = 100*

Method: C:\MassLynx\Default.pro\Method\1668MSL10DB5rt.mdb 28 Sep 2009 12:42:10  
 Calibration: C:\MassLynx\Default.pro\Curved\1668MSL10DB51668MSL.cdb 21 Jul 2009 13:15:46

Name: 09SE0910D5\_21, Date: 10-Sep-2009, Time: 04:17:57, ID: LKAGT-1-AA, Description: G91030266-4, Task:

# Name	Trace	Sample Size	RT	Prod RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prod Ratio	Ratio ...	Mod Date
1 13C-PeCB-101	335.924	0.500	32.88	32.88	1.000	397915.70	4000.0000	4000.0000	100.0	11.4775	0.628	0.610	NO	
2														
3 13C-TeCB-81	301.963	0.500	34.73	34.73	1.040	533239.08	5154.9413	5154.9413	128.9	18.2892	0.802	0.770	NO	
4 TeCB-81	289.922	0.500		34.73	1.458				<i>RL</i>	7.1898		0.770	NO	
5 13C-TeCB-77	301.963	0.500	35.38	35.38	1.104	577156.09	5253.8180	5253.8180	131.3	17.2216	0.808	0.770	NO	
6 TeCB-77	289.922	0.500	35.42	35.38	1.271	161411.16	880.4189	880.4189		7.6859	0.766	0.770	NO	
7														
8 13C-PeCB-123	335.924	0.500	37.01	37.01	0.993	551610.72	5582.7573	5582.7573	139.6	11.5557	0.632	0.610	NO	
9 PeCB-123	323.883	0.500	37.04	37.01	1.505	56684.54	273.0510	273.0510	<i>RL</i>	3.5278	0.595	0.610	NO	
10 13C-PeCB-118	335.924	0.500	37.19	37.19	1.024	570115.55	5596.3036	5596.3036	139.9	11.2077	0.640	0.610	NO	
11 PeCB-118/106	323.883	0.500	37.21	37.19	1.525	1688085.75	7764.6173	7764.6173		3.2459	0.622	0.610	NO	
12 13C-PeCB-114	335.924	0.500	37.95	37.95	1.037	591833.03	5737.5611	5737.5611	143.4	11.0690	0.638	0.610	NO	
13 PeCB-114	323.883	0.500		37.95	1.586				<i>ND</i>	2.9948		0.610	NO	
14 13C-PeCB-105	335.924	0.500	38.97	38.97	0.982	587880.50	6020.9332	6020.9332	150.5	11.6938	0.628	0.610	NO	
15 PeCB-105/127	323.883	0.500	39.01	38.97	1.433	616372.48	2926.0926	2926.0926		3.3590	0.627	0.610	NO	
16 13C-PeCB-126	335.924	0.500	41.24	41.24	1.030	740311.56	7225.2261	7225.2261	180.6	11.1434	0.634	0.610	NO	
17 PeCB-126	323.883	0.500		41.24	1.156				<i>ND</i>	3.2884		0.610	NO	
18														
19 13C-OcCB-202	439.804	0.500	43.98	43.98	1.000	695551.47	4000.0000	4000.0000	100.0	2.1977	0.894	0.890	NO	
20														
21 13C-HxCB-167	371.882	0.500	42.59	42.59	1.002	724941.16	4158.7583	4158.7583	104.0	5.3905	1.290	1.240	NO	
22 HxCB-167	359.841	0.500	42.60	42.59	1.348	62830.49	257.1877	257.1877		4.3682	1.241	1.240	NO	
23 13C-HxCB-156	371.882	0.500	44.15	44.15	0.785	738854.41	5412.0561	5412.0561	135.3	6.8829	1.299	1.240	NO	
24 HxCB-156	359.841	0.500	44.17	44.15	1.688	132720.99	425.5638	425.5638		3.7335	1.327	1.240	NO	
25 13C-HxCB-157	371.882	0.500	44.53	44.53	0.835	721956.50	4970.7000	4970.7000	124.3	6.4696	1.296	1.240	NO	
26 HxCB-157	359.841	0.500	44.56	44.53	1.660	30834.78	102.9374	102.9374		3.8122	1.375	1.240	NO	
27 13C-HxCB-169	371.882	0.500	46.71	46.71	0.871	782414.38	5164.2939	5164.2939	129.1	6.2022	1.270	1.240	NO	
28 HxCB-169	359.841	0.500		46.71	1.098					5.0848		1.240	NO	
29														
30 13C-HpCB-180	405.843	0.500	45.28	45.28	0.684	566193.78	4760.1688	4760.1688	119.0	3.2407	1.056	1.050	NO	
31 HpCB-180	393.803	0.500	45.30	45.28	1.300	583819.00	3171.8481	3171.8481		3.8631	1.045	1.050	NO	

Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSLRT.qld

Last Altered: Monday, September 28, 2009 12:42:34 Pacific Daylight Time  
 Printed: Monday, September 28, 2009 12:44:11 Pacific Daylight Time

Name: 09SE0910D5\_21, Date: 10-Sep-2009, Time: 04:17:57, ID: LKAGT-1-AA, Description: G91030266-4, Task:

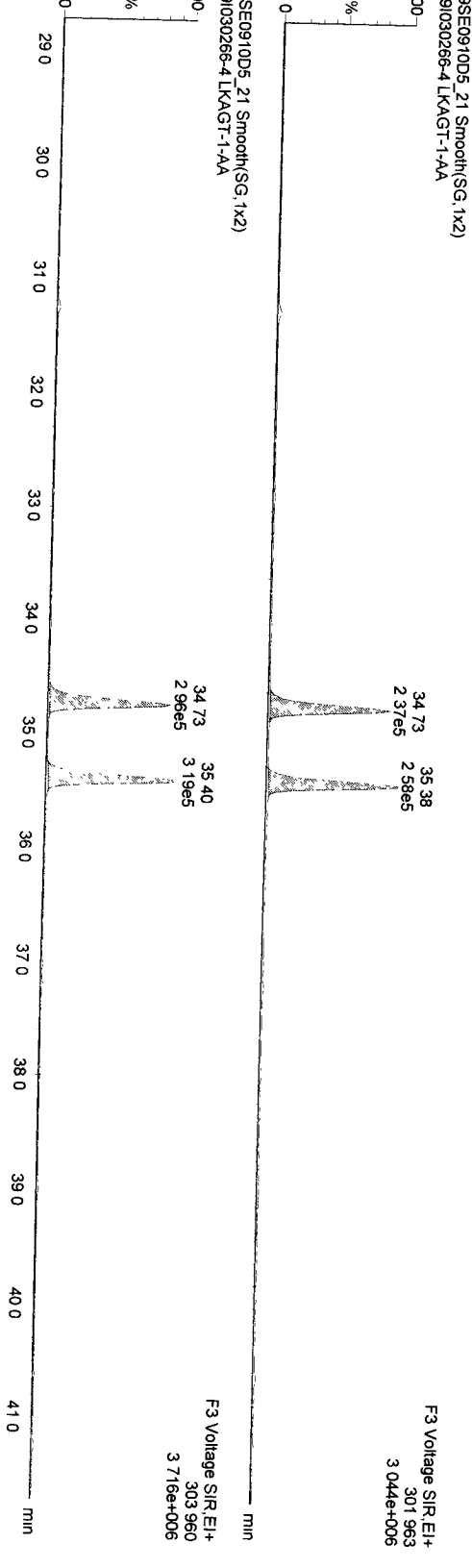
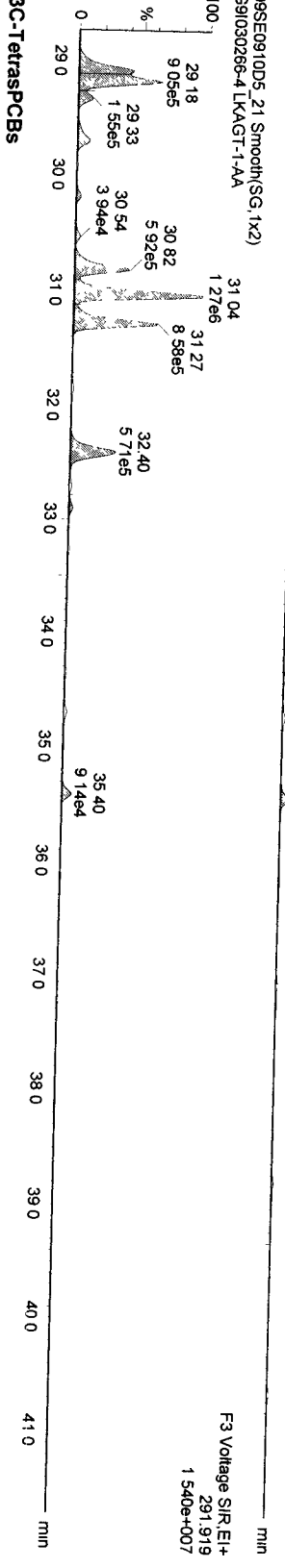
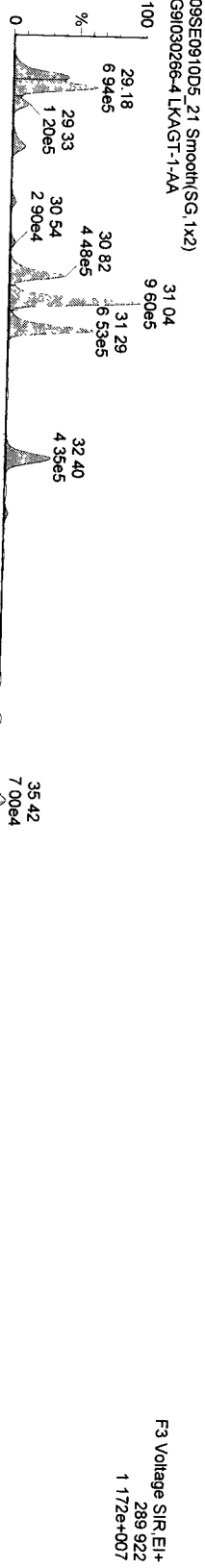
# Name	Trace	Sample Size	RT	Prd.RT	RRE M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ratio ...	Mod Date
32 13C-HpCB-170	405.843	0.500	47.25	47.25	0.548	404780.19	4249.9305	4249.9305	106.2	4.0470	1.054	1.050	NO	
33 HpCB-170	393.803	0.500	47.27	47.25	1.615	107482.73	657.6648	657.6648		4.4106	1.081	1.050	NO	
34 13C-HpCB-189	405.843	0.500	49.06	49.06	0.698	666533.84	5494.1843	5494.1843	137.4	3.1773	1.044	1.050	NO	
35 HpCB-189	393.803	0.500			1.231			ND		3.1657		1.050	NO	
37 13C-PeCB-111	335.924	0.500	34.61	34.61	1.305	583625.20	2941.1245		73.5	5.2876	0.622	0.610	NO	
38	380.976	1.000												
39 Function 3 PFK	380.976	1.000			0.00									
40 Function 4 PFK	380.976	1.000			0.00									

Dataset: C:\Masslynx\Default\pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_21, Date: 10-Sep-2009, Time: 04:17:57, ID: LKAGT-1-AA, Description: G91030266-4

**TetraPCBs**



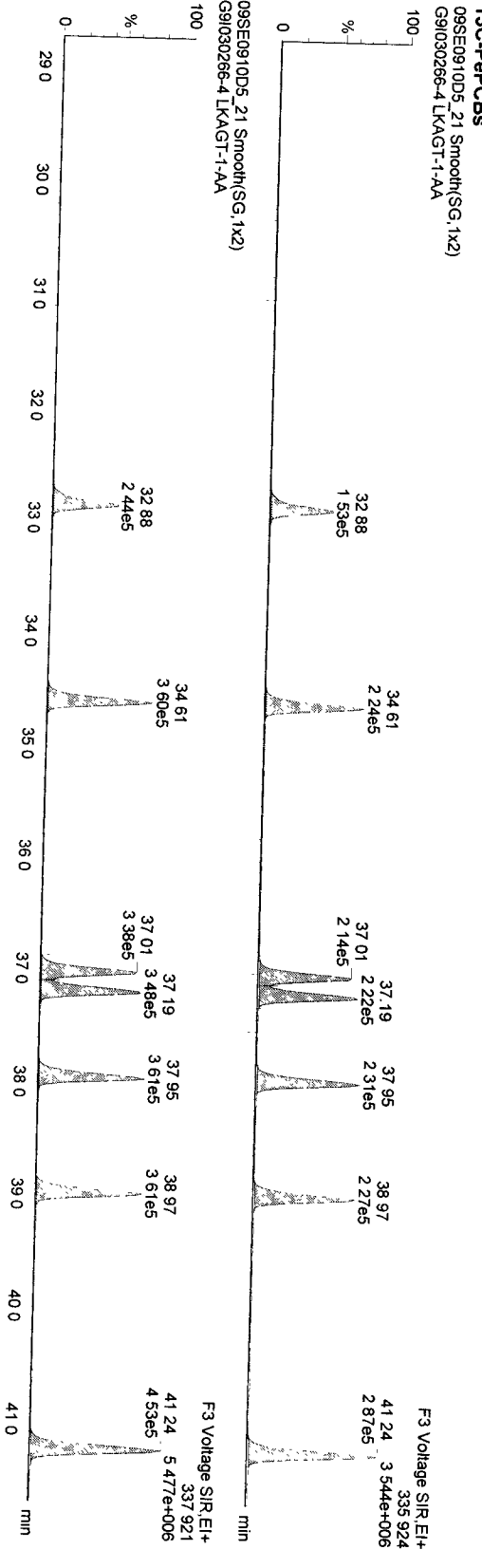
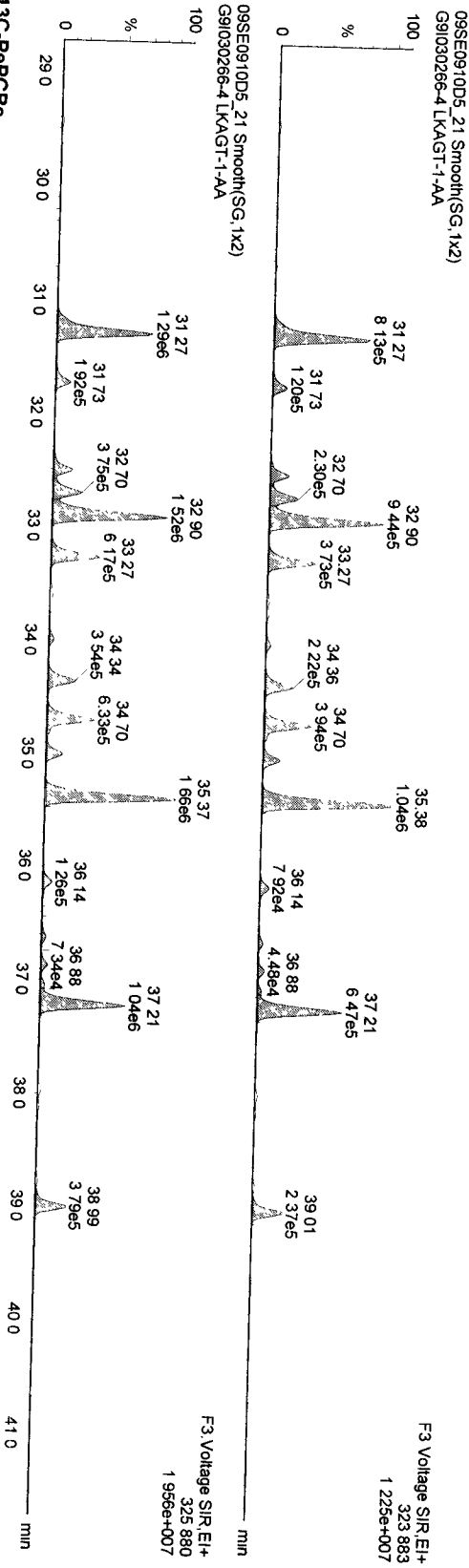
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_21, Date: 10-Sep-2009, Time: 04:17:57, ID: LKAGT-1-AA, Description: G91030266-4

PePCBs

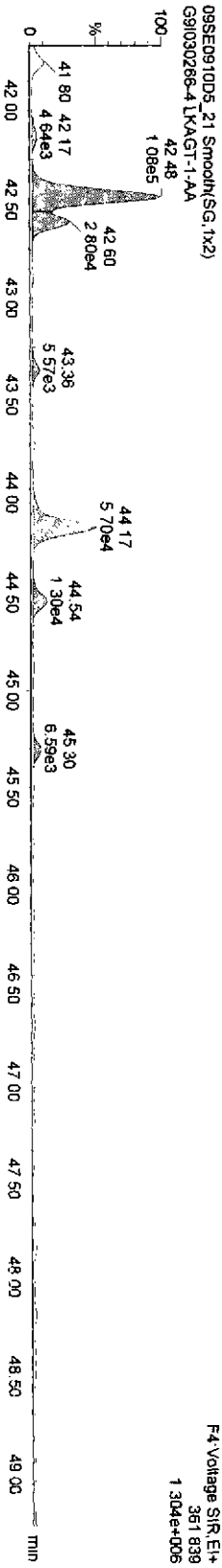
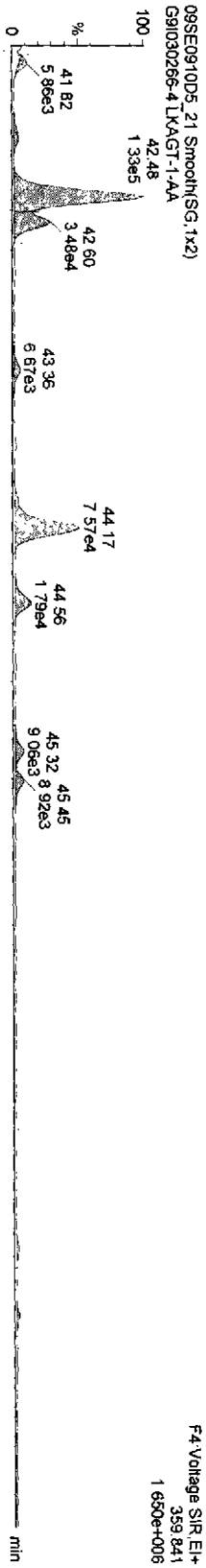


Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.gld

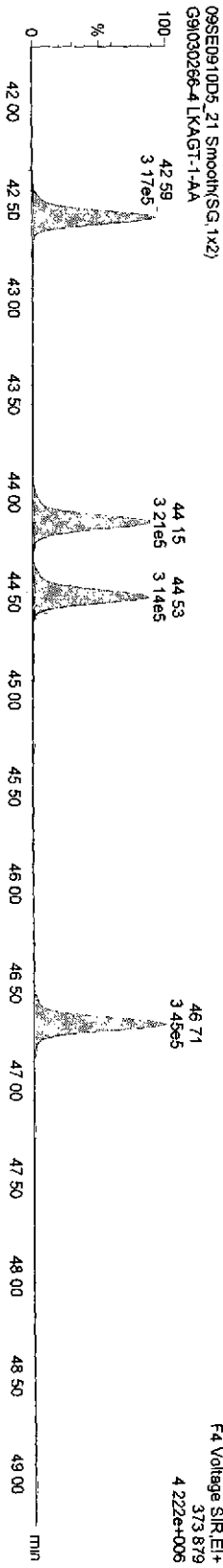
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_21, Date: 10-Sep-2009, Time: 04:17:57, ID: LKAGT-1-AA, Description: G91030266-4

**HPICBs-**



**13C-HPICBs**

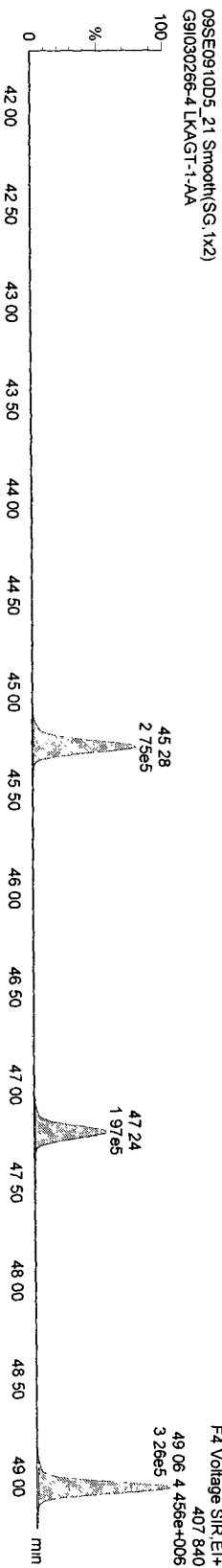
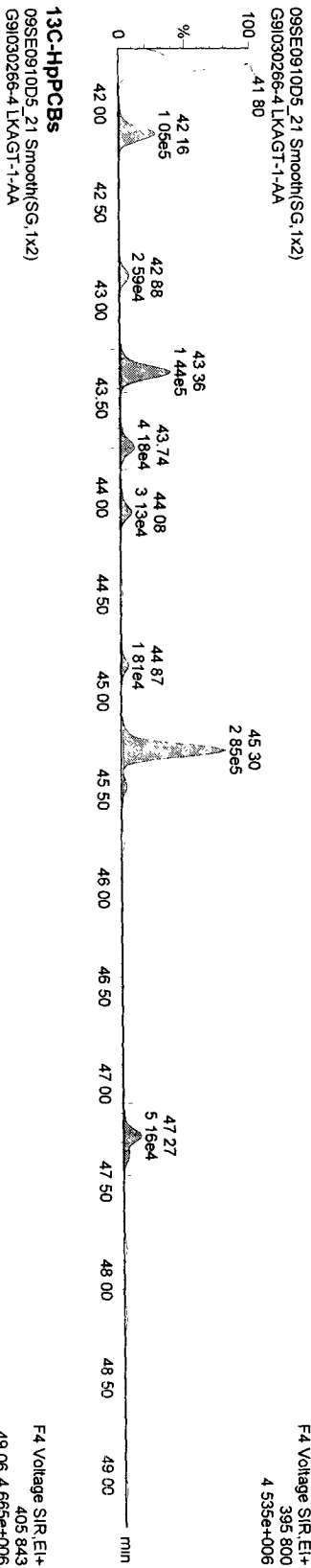
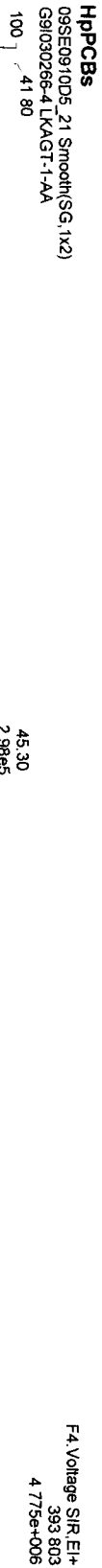




Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_21, Date: 10-Sep-2009, Time: 04:17:57, ID: LKAGT-1-AA, Description: G91030266-4

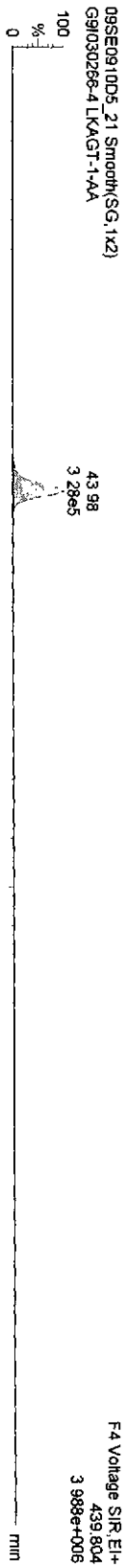


Dataset: C:\MassLynx\Default\proj\09SE0910D51668MSL.qld

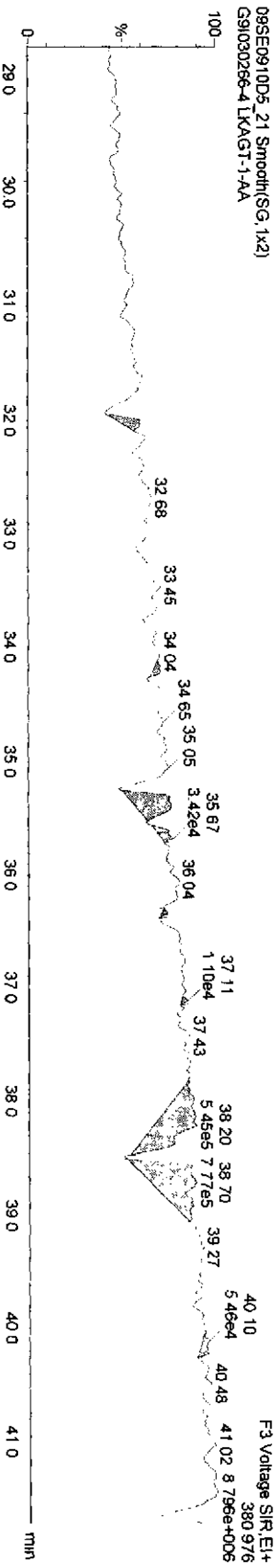
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_21, Date: 10-Sep-2009, Time: 04:17:57, ID: LKAGT-1-AA, Description: G91030266-4

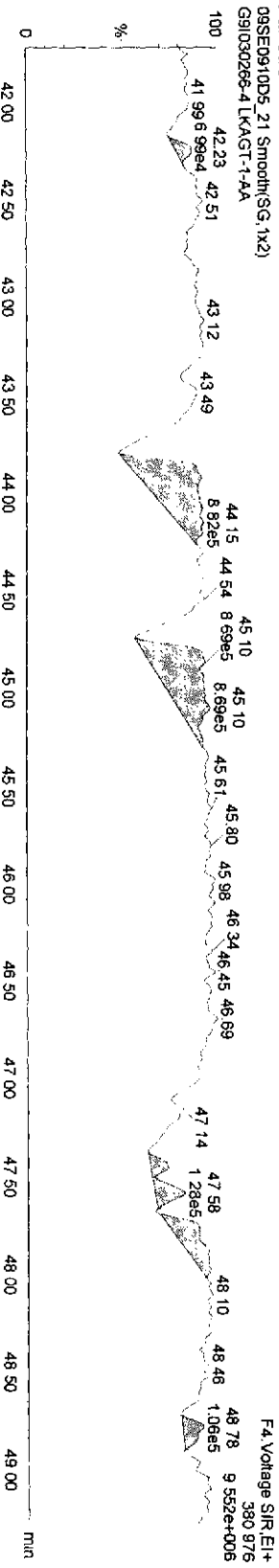
13C-OCGB-202



Function 3 PFK



Function 4 PFK



Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:26:57 Pacific Daylight Time

Name: 09SE0910D5\_22, Date: 10-Sep-2009, Time: 05:14:44, ID: LKAGV-1-AA, Description: G91030266-5, Task:

# Name	Trace	Sample Size	RT	Ptd RT	RRF M...	Aus Resp	pg	EMPC	%Rec	EDL	Ratio	Ptd Ratio	Ratio ...	Mod Date
1 13C-PeCB-101	335 924	0 500	32 31	32 31	1 000	1350083 88	4000 0000	4000 0000	100 0	2 5353	0 629	0 610	NO	
2														
3 13C-TeCB-81	301 963	0 500	34 23	34 22	1 040	1042124 72	2969 2843	2969 2843	74 2	2 8338	0 807	0 770	NO	
4 TeCB-81	289 922	0 500	34 23	34 23	1 458					1 3008		0 770	NO	
5 13C-TeCB-77	301 963	0 500	34 91	34 91	1 104	1119035 09	3002 3116	3002 3116	75 1	2 6684	0 793	0 770	NO	
6 TeCB-77	289 922	0 500	34 95	34 91	1 271	1180 93	3 3222	2 0910		1 4748	1 812	0 770	YES	
7														
8 13C-PeCB-123	335 924	0 500	36 59	36 57	0 993	1076392 84	3210 8290	3210 8290	80 3	2 5526	0 624	0 610	NO	
9 PeCB-123	323 883	0 500	36 79	36 59	1 505	6977 22	17 2236	17 2236		1 1394	0 619	0 610	NO	
10 13C-PeCB-118	335 924	0 500	36 76	36 74	1 024	11144119 72	3223 2988	3223 2988	80 6	2 4758	0 630	0 610	NO	
11 PeCB-118/106	323 883	0 500	37 55	36 76	1 525					1 0815		0 610	NO	
12 13C-PeCB-114	335 924	0 500	37 55	37 51	1 037	1090143 31	3114 8852	3114 8852	77 9	2 4451	0 636	0 610	NO	
13 PeCB-114	323 883	0 500	37 55	37 55	1 586					1 0878		0 610	NO	
14 13C-PeCB-105	335 924	0 500	38 60	38 58	0 982	1147889 06	3465 0140	3465 0140	86 6	2 5831	0 642	0 610	NO	
15 PeCB-105/127	323 883	0 500	38 64	38 60	1 433	3051 84	7 4199	7 4199		1 1680	0 646	0 610	NO	
16 13C-PeCB-126	335 924	0 500	40 92	40 88	1 030	1372898 28	3949 1679	3949 1679	98 7	2 4615	0 616	0 610	NO	
17 PeCB-126	323 883	0 500	40 92	40 92	1 156					1 2260		0 610	NO	
18														
19 13C-OcCB-202	439 804	0 500	43 74	43 73	1 000	1516072 06	4000 0000	4000 0000	100 0	1 6818	0 917	0 890	NO	
20														
21 13C-HxCB-167	371 882	0 500	42 28	42 28	1 002	1253097 13	3293 6886	3293 6886	82 3	2 4039	1 264	1 240	NO	
22 HxCB-167	359 841	0 500	42 28	42 28	1 348					1 0098		1 240	NO	
23 13C-HxCB-166	371 882	0 500	43 86	43 88	0 785	1270495 63	4263 9635	4263 9635	106 6	3 0694	1 294	1 240	NO	
24 HxCB-166	359 841	0 500	44 06	43 86	1 688	131 98	0 2461	0 1226		0 8099	0 381	1 240	YES	
25 13C-HxCB-157	371 882	0 500	44 25	44 25	0 835	1250658 25	3945 3184	3945 3184	98 6	2 8851	1 291	1 240	NO	
26 HxCB-157	359 841	0 500	44 25	44 25	1 660					0 8209		1 240	NO	
27 13C-HxCB-169	371 882	0 500	46 48	46 48	0 871	1306853 38	3952 1905	3952 1905	98 8	2 7658	1 277	1 240	NO	
28 HxCB-169	359 841	0 500	46 48	46 48	1 098					1 1757		1 240	NO	
29														
30 13C-HpCB-180	405 843	0 500	45 02	45 02	0 684	1028257 63	3960 9201	3960 9201	99 0	1 9207	1 053	1 050	NO	
31 HpCB-180	393 803	0 500	45 05	45 02	1 300	3915 26	11 7127	11 7127		1 3390	1 036	1 050	NO	
32 13C-HpCB-170	405 843	0 500	47 03	47 04	0 548	907019 94	4363 3123	4363 3123	109 1	2 3987	1 058	1 050	NO	
33 HpCB-170	393 803	0 500	47 03	47 03	1 615	818 46	2 2349	1 7648		1 1880	0 679	1 050	YES	
34 13C-HpCB-189	405 843	0 500	48 86	48 86	0 698	1226254 06	4631 2515	4631 2515	115 8	1 8832	1 045	1 050	NO	
35 HpCB-189	393 803	0 500	48 86	48 86	1 231					1 0558		1 050	NO	

*RL = 100%*

Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
 Printed: Thursday, September 10, 2009 09:26:57 Pacific Daylight Time

Name: 09SE0910D5\_22, Date: 10-Sep-2009, Time: 05:14:44, ID: LKAGV-1-AA, Description: G9I030266-5, Task:

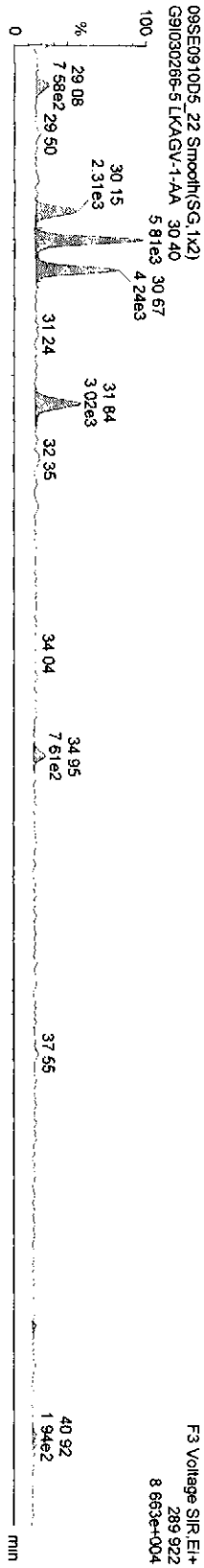
# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs:Resp	pg	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ratio ...	Mod Date
36														
37 13C-PeCB-111	335.924	0.500	34.09	34.06	1.305	1170720.56	3093.2874		77.3	2.5697	0.624	0.610	NO	
38														
39 Function 3 PFK	380.976	1.000												
40 Function 4 PFK	380.976	1.000												

Dataset: C:\MassLynx\Default\pro\09SE0910D51668MSL.qld

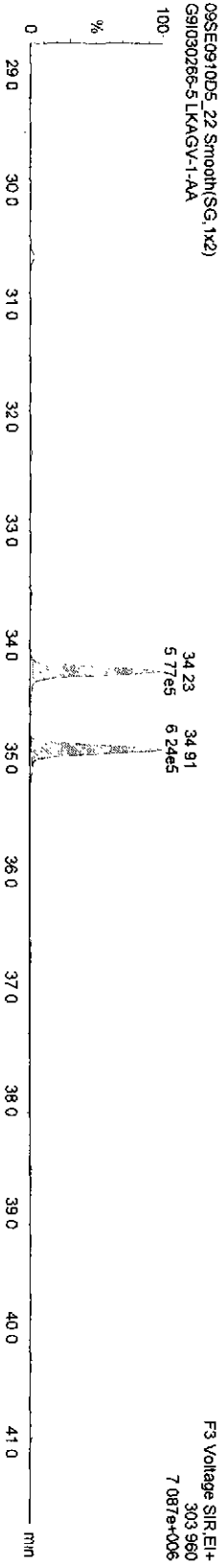
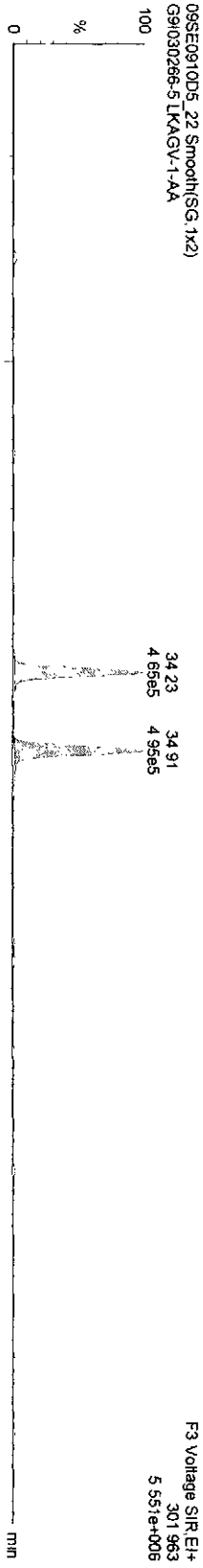
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_22, Date: 10-Sep-2009, Time: 05:14:44, ID: LKAGV-1-AA, Description: G91030266-5

**TetrPCBs**



**13C-TetrPCBs**

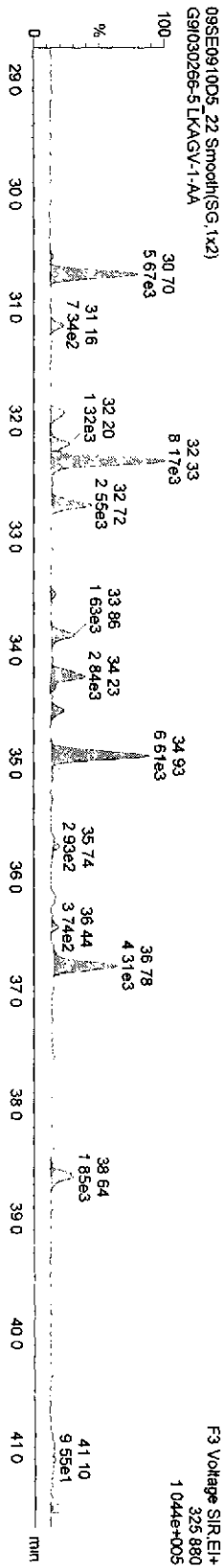
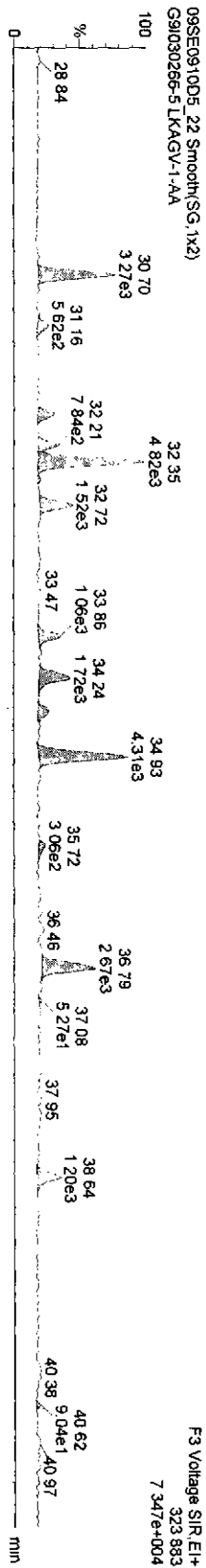


Dataset C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

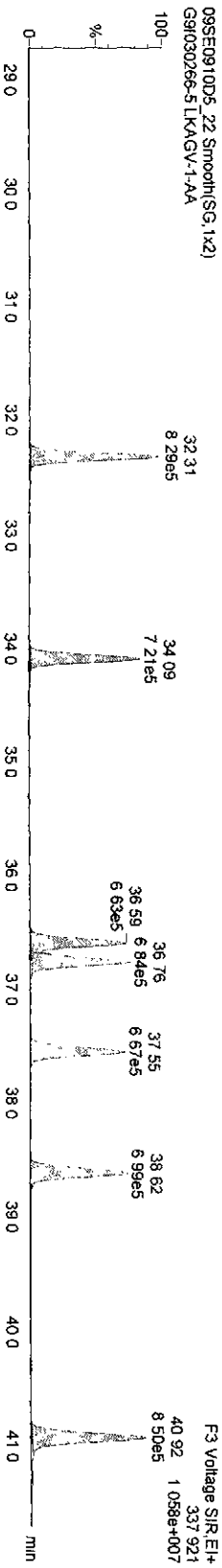
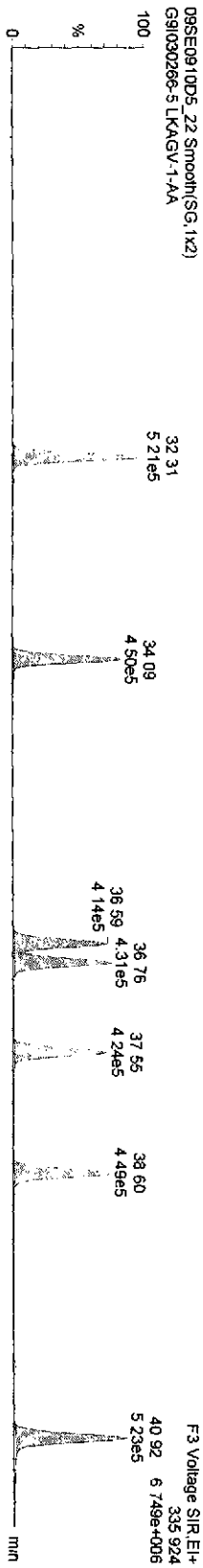
Last Altered Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_22, Date: 10-Sep-2009, Time: 05:14:44, ID: LKAGV-1-AA, Description: G91030266-5

PePCBs



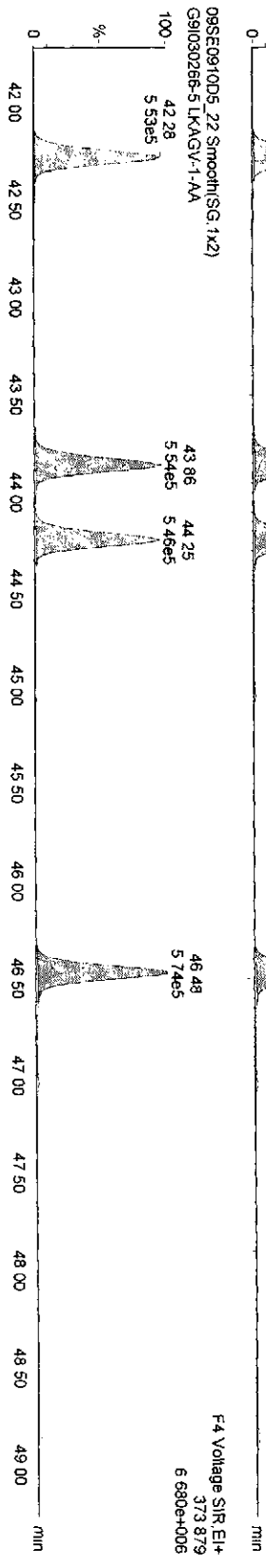
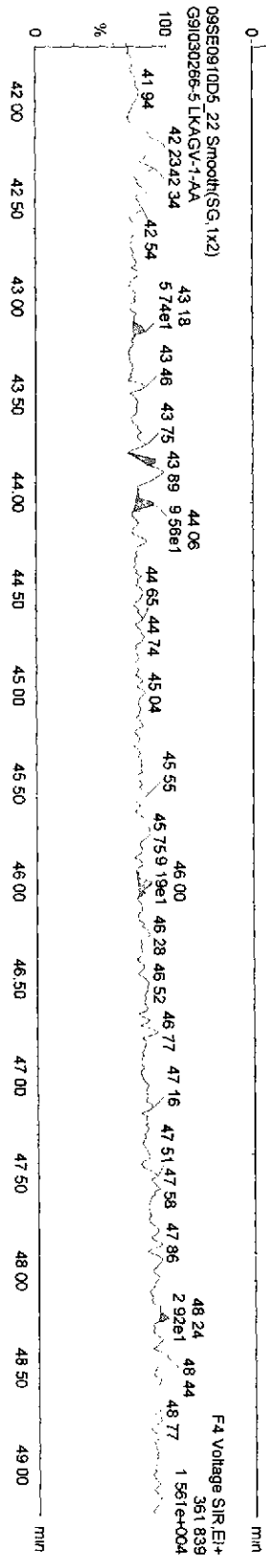
13C-PePCBs



Dataset: C:\MassLynx\Default\pro\09SE0910D51668MSL.d\id

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_22, Date: 10-Sep-2009, Time: 05:14:44, ID: LKAGV-1-AA, Description: G91030266-5



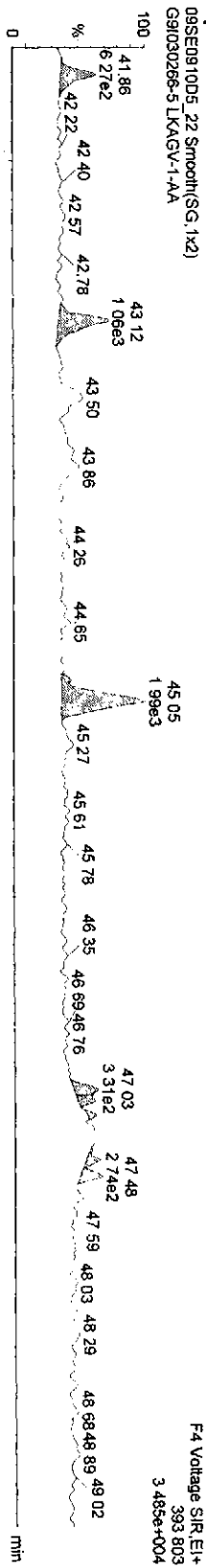
Dataset: C:\MassLynx\Default\proj\09SE0910D5\1668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_22; Date: 10-Sep-2009; Time: 05:14:44; ID: LKAGV-1-AA; Description: G91030266-5

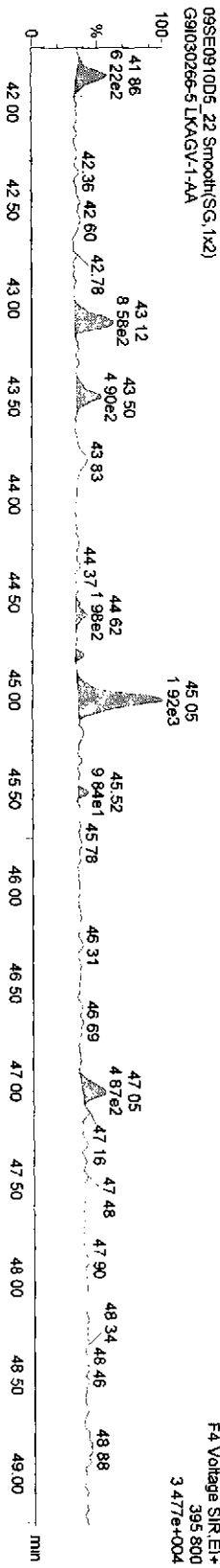
**HPCBs**

09SE0910D5\_22 Smooth(SG,1x2)  
G91030266-5 LKAGV-1-AA



F4: Voltage SIR.EI+  
393.803  
3.485e+004

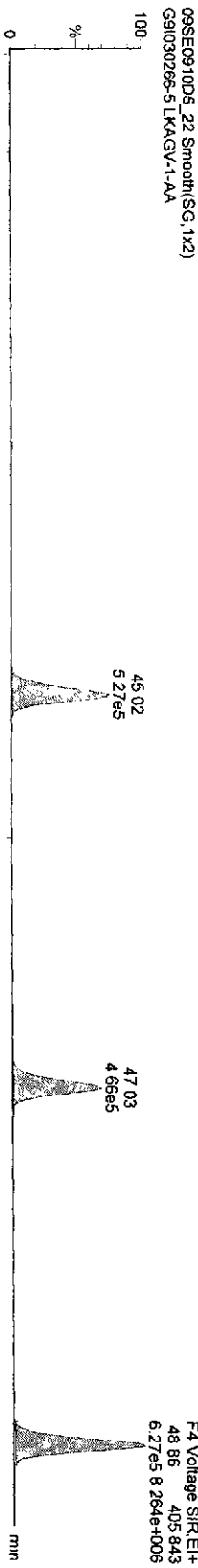
09SE0910D5\_22 Smooth(SG,1x2)  
G91030266-5 LKAGV-1-AA



F4: Voltage SIR.EI+  
395.800  
3.477e+004

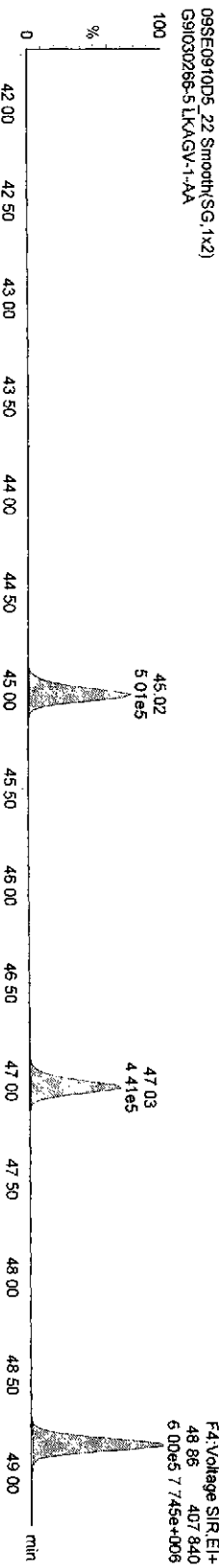
**13C-HPCBs**

09SE0910D5\_22 Smooth(SG,1x2)  
G91030266-5 LKAGV-1-AA



F4: Voltage SIR.EI+  
405.843  
6.27e5 8.264e+006

09SE0910D5\_22 Smooth(SG,1x2)  
G91030266-5 LKAGV-1-AA



F4: Voltage SIR.EI+  
407.840  
6.00e5 7.745e+006



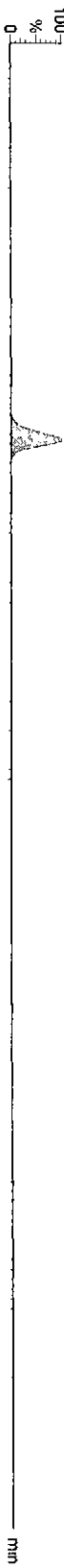
Dataset: C:\MassLynx\Default\pro109SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_22, Date: 10-Sep-2009, Time: 05:14:44, ID: LKAGV-1-AA, Description: G91030266-5

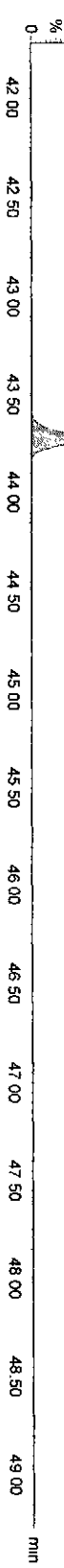
13C-OcCB-202

09SE0910D5\_22 Smooth(SG,1x2)  
G91030266-5 LKAGV-1-AA



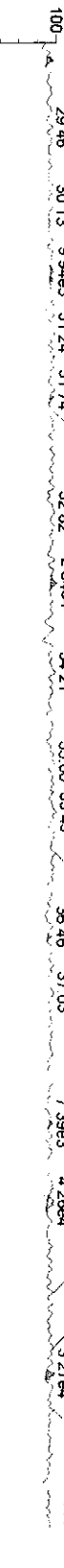
F4 Voltage SIR.EI+  
439 804  
8.425e+006

09SE0910D5\_22 Smooth(SG,1x2)  
G91030266-5 LKAGV-1-AA



F4 Voltage SIR.EI+  
441 801  
9.209e+006

09SE0910D5\_22 Smooth(SG,1x2)  
G91030266-5 LKAGV-1-AA



F3 Voltage SIR.EI+  
380 976  
1.580e+007

09SE0910D5\_22 Smooth(SG,1x2)  
G91030266-5 LKAGV-1-AA



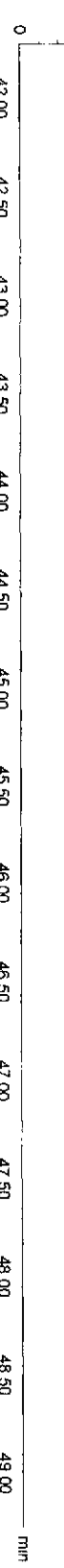
F4 Voltage SIR.EI+  
380 976  
1.343e+007

09SE0910D5\_22 Smooth(SG,1x2)  
G91030266-5 LKAGV-1-AA



F4 Voltage SIR.EI+  
380 976  
1.343e+007

09SE0910D5\_22 Smooth(SG,1x2)  
G91030266-5 LKAGV-1-AA



F4 Voltage SIR.EI+  
380 976  
1.343e+007

Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668m

Associated ICAL TCA07160910D51668MSL

Column ID DB-5

Instrument ID 10DS

STD ID ST0909A

STD Solution 09DXN207

Analyzed by SMA, AM

Date Analyzed 9-09-09

Std. Pkg. By SMA

Date Std. Pkg. Assembled 9-14-09

Std. Pkg. Reviewed By AM

Date Std. Pkg. Reviewed 9-14-09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley $\leq$ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\* Method 1668A (PCBs):  $\pm 30\%$  from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and  $\pm 50\%$  for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the  $\pm 30\%$  limit, this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have  $\pm 40\%$  limit.

Method 1614 (DBDs/DBFs):  $\pm 30\%$  from curve RRFs for native analytes and  $\pm 50\%$  from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is  $\pm 30\%$ ).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71)

Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time

Printed: Thursday, September 10, 2009 09:26:42 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 09 Sep 2009 12:46:16

Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Name: 09SE0910D5\_14, Date: 09-Sep-2009, Time: 21:40:13, ID: ST0909A, Description: CS-3 09DXN207

#	Name	Response	RT	RRF M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D...
1	13C-PeCB-101	1335141	32.30	1.00000	1.00000	100.00	0.0	100.0	0.638	NO	
2											
3	13C-TeCB-81	1364111	34.21	1.03984	1.02170	98.26	-1.7	98.3	0.783	NO	
4	TeCB-81	1061324	34.24	1.45839	1.55607	53.35	6.7	106.7	0.760	NO	
5	13C-TeCB-77	1395240	34.91	1.10430	1.04501	94.63	-5.4	94.6	0.801	NO	
6	TeCB-77	942248	34.93	1.27061	1.35066	53.15	6.3	106.3	0.758	NO	
7											
8	13C-PeCB-123	1277070	36.58	0.99324	0.95651	96.30	-3.7	96.3	0.638	NO	
9	PeCB-123	1023787	36.59	1.50539	1.60334	53.25	6.5	106.5	0.611	NO	
10	13C-PeCB-118	1367253	36.74	1.02407	1.02405	100.00	-0.0	100.0	0.640	NO	
11	PeCB-118/106	1106592	36.76	1.52536	1.61871	53.06	6.1	106.1	0.617	NO	
12	13C-PeCB-114	1385087	37.53	1.03691	1.03741	100.05	0.0	100.0	0.639	NO	
13	PeCB-114	1160840	37.56	1.58603	1.67620	52.84	5.7	105.7	0.618	NO	
14	13C-PeCB-105	1284804	38.60	0.98151	0.96230	98.04	-2.0	98.0	0.631	NO	
15	PeCB-105/127	954110	38.62	1.43326	1.48522	51.81	3.6	103.6	0.599	NO	
16	13C-PeCB-126	1298753	40.90	1.02999	0.97275	94.44	-5.6	94.4	0.617	NO	
17	PeCB-126	763843	40.94	1.15582	1.17627	50.88	1.8	101.8	0.622	NO	
18											
19	13C-OcCB-202	1438788	43.71	1.00000	1.00000	100.00	0.0	100.0	0.884	NO	
20											
21	13C-HxCB-167	1425370	42.27	1.00247	0.99067	98.82	-1.2	98.8	1.268	NO	
22	HxCB-167	1085796	42.30	1.34796	1.52353	56.51	13.0	113.0	1.097	NO	
23	13C-HxCB-156	1119741	43.85	0.78510	0.77825	99.13	-0.9	99.1	1.298	NO	
24	HxCB-156	961537	43.88	1.68840	1.71743	50.86	1.7	101.7	1.239	NO	
25	13C-HxCB-157	1204967	44.23	0.83526	0.83749	100.27	0.3	100.3	1.279	NO	
26	HxCB-157	1021680	44.26	1.65965	1.69578	51.09	2.2	102.2	1.238	NO	
27	13C-HxCB-169	1197572	46.45	0.87128	0.83235	95.53	-4.5	95.5	1.287	NO	
28	HxCB-169	689764	46.48	1.09832	1.15194	52.44	4.9	104.9	1.305	NO	
29											
30	13C-HpCB-180	1015953	45.01	0.68403	0.70612	103.23	3.2	103.2	1.050	NO	
31	HpCB-180	660543	45.04	1.30035	1.30034	50.00	-0.0	100.0	1.034	NO	
32	13C-HpCB-170	811899	47.02	0.54773	0.56429	103.02	3.0	103.0	1.052	NO	
33	HpCB-170	670731	47.04	1.61501	1.65225	51.15	2.3	102.3	1.032	NO	
34	13C-HpCB-189	1022115	48.85	0.69767	0.71040	101.82	1.8	101.8	1.061	NO	
35	HpCB-189	635780	48.86	1.23073	1.24405	50.54	1.1	101.1	1.049	NO	
36											
37	13C-PeCB-111	1792849	34.06	1.30475	1.35556	103.89	3.9	103.9	0.633	NO	
38											
39	Function 3 PFK										
40	Function 4 PFK										

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampled\b\09SE0910D5.SPL  
 Last Modified: Wednesday, September 09, 2009 16:16:57 Pacific Daylight Time  
 Printed: Wednesday, September 09, 2009 16:17:01 Pacific Daylight Time

Page 1 of 3

Page Position (1, 1)

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	
1	09SE0910D5_1	CS-3 09DXN207	ST0909	---	---	1.000000	---
2	09SE0910D5_2	Solvent Blank C-12	SB0909	---	---	1.000000	---
3	09SE0910D5_3	PCB-L-COP-LOQ4 90209 RI	PCBLCOP-LOQ4	1668/Water	32	1.000000	L
4	09SE0910D5_4	PCB-S-COP-LOQ3 90209 RI	PCBSCOP-LOQ3	1668/Solid	---	10.000000	g
5	09SE0910D5_5	PCB-L-COP-LOQ5 90209 RI	PCBLCOP-LOQ5	1668/Water	---	1.000000	L
6	09SE0910D5_6	PCB-L-COP-LOQ6 90209 RI	PCBLCOP-LOQ6	1668/Water	---	1.000000	L
7	09SE0910D5_7	PCB-L-COP-LOQ7 90209 RI	PCBLCOP-LOQ7	1668/Water	---	1.000000	L
8	09SE0910D5_8	PCB-L-COP-LOQ9 90209 RI	PCBLCOP-LOQ9	1668/Water	---	1.000000	L
9	09SE0910D5_9	PCB-L-COP-LOQ10 90209 RI	PCBLCOP-LOQ10	1668/Water	---	1.000000	L
10	09SE0910D5_10	PCB-L-COP-LOQ1 90209 RI	PCBLCOP-LOQ1	1668/Water	---	1.000000	L
11	09SE0910D5_11	PCB-L-COP-LOQ2 90209 RI	PCBLCOP-LOQ2	1668/Water	---	1.000000	L
12	09SE0910D5_12	PCB-L-COP-LOQ3 90209 RI	PCBLCOP-LOQ3	1668/Water	---	1.000000	L
13	09SE0910D5_13	Solvent Blank C-12	SB0909A	---	---	1.000000	---
14	09SE0910D5_14	CS-3 09DXN207	ST0909A	---	---	1.000000	---
15	09SE0910D5_15	Solvent Blank C-12	SB0909B	---	---	1.000000	---
16	09SE0910D5_16	G9I030266-1MB	LKFNQ-1-AA	1668/Air	35	0.500000	Sample
17	09SE0910D5_17	G9I030266-1LCS	LKFNQ-1-AC	1668/Air	---	0.500000	Sample
18	09SE0910D5_18	G9I030266-1	LKAF2-1-AA	1668/Air	---	0.500000	Sample
19	09SE0910D5_19	G9I030266-2	LKAGK-1-AA	1668/Air	---	0.500000	Sample
20	09SE0910D5_20	G9I030266-3	LKAGQ-1-AA	1668/Air	---	0.500000	Sample
21	09SE0910D5_21	G9I030266-4	LKAGT-1-AA	1668/Air	---	0.500000	Sample
22	09SE0910D5_22	G9I030266-5	LKAGV-1-AA	1668/Air	---	0.500000	Sample
23	09SE0910D5_23	Solvent Blank C-12	SB0909C	---	---	1.000000	---

*MW*  
*9/10/09*

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\09SE0910D5.SPL  
Last Modified: Wednesday, September 09, 2009 16:16:57 Pacific Daylight Time  
Printed: Wednesday, September 09, 2009 16:17:01 Pacific Daylight Time

Page 2 of 3

Page Position (2, 1)

FV_ul	Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C
1.00	Tray1:1	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	50	100	100
1.00	Tray1:2	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	---
20	Tray1:3	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:4	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:5	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:6	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:7	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:8	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:9	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:10	1.000000	Analyte	SMA, AM 09-04-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:11	1.000000	Analyte	SMA, AM 09-04-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:12	1.000000	Analyte	SMA, AM 09-04-09	1668M10D5	1668M10D5	---	---	2000
1.00	Tray1:13	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	---
1.00	Tray1:14	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	50	100	100
1.00	Tray1:15	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	---
20	Tray1:16	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:17	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:18	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:19	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:20	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:21	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
20	Tray1:22	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	2000
1.00	Tray1:23	1.000000	Analyte	SMA 09-09-09	1668M10D5	1668M10D5	---	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\09SE0910D5.SPL  
Last Modified: Wednesday, September 09, 2009 16:16:57 Pacific Daylight Time  
Printed: Wednesday, September 09, 2009 16:17:01 Pacific Daylight Time

Page 3 of 3

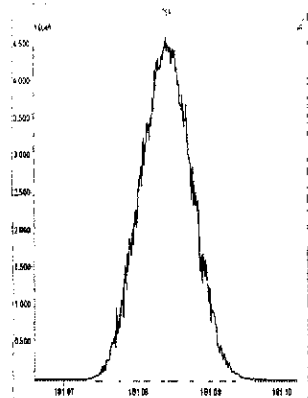
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Conc D	Conc E	Conc F	Conc G	Conc H	Task
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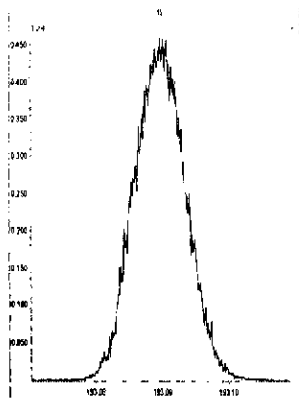
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Printed: Wednesday, September 09, 2009 09:08:57 Pacific Daylight Time

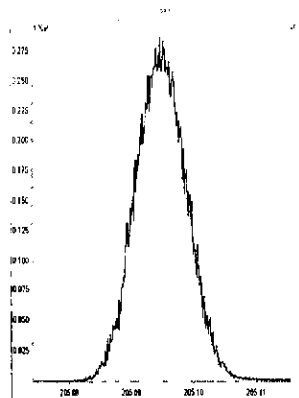
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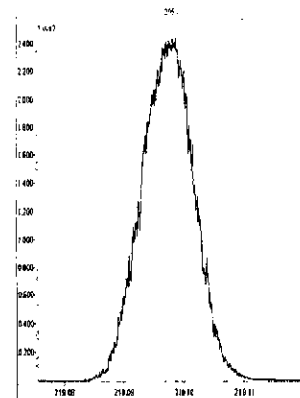
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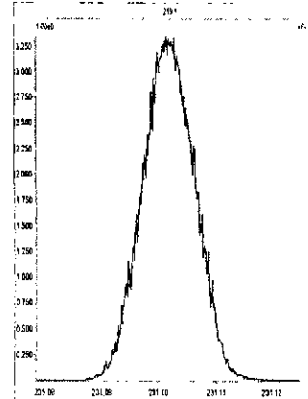
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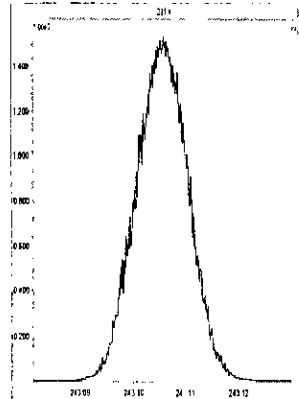
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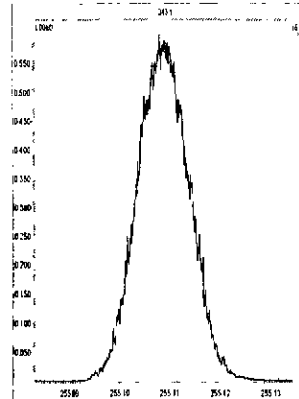
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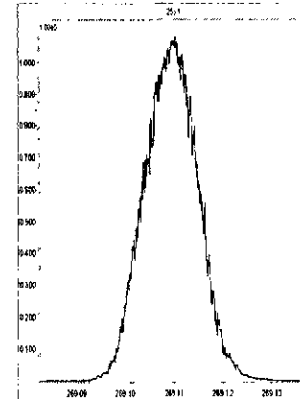
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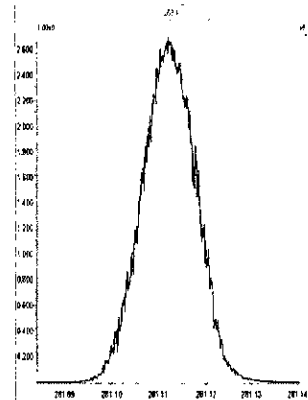
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M 268.9824 R 10687



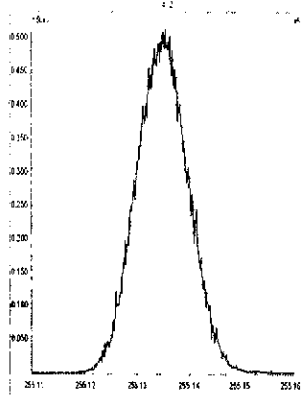
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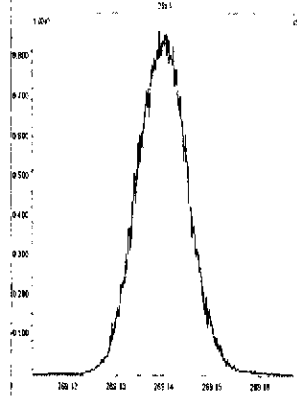
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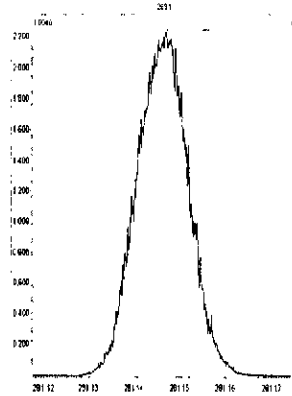
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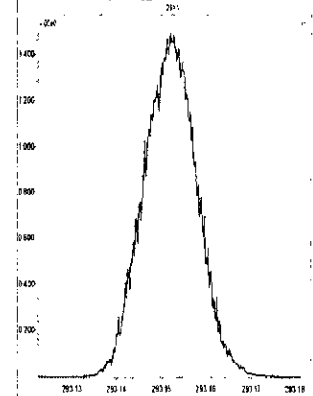
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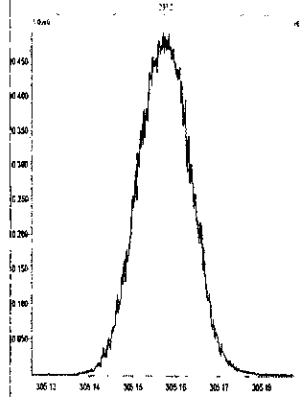
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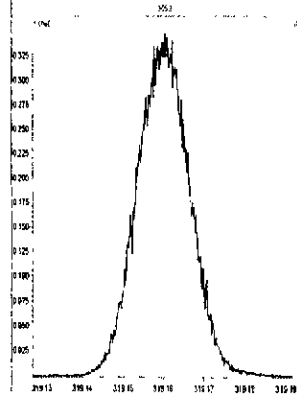
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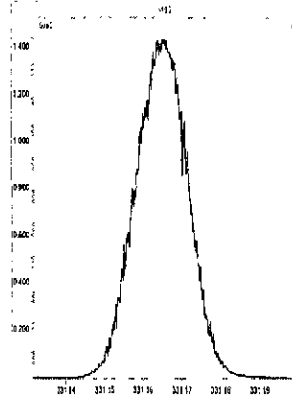
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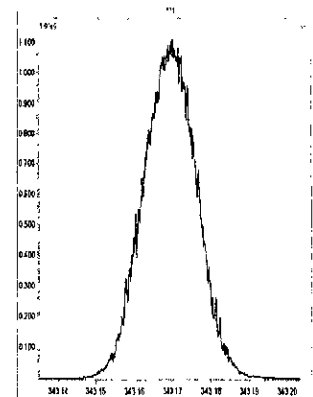
M 318.9792 R 10968



M 330.9792 R 11014



M 342.9792 R 10638

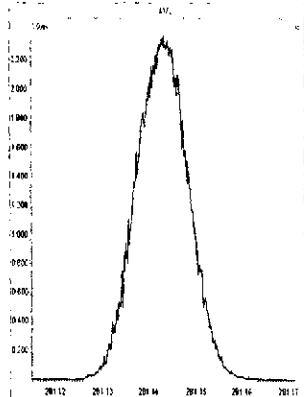




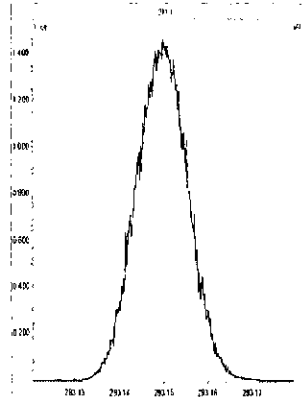
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Printed: Wednesday, September 09, 2009 09:10:43 Pacific Daylight Time

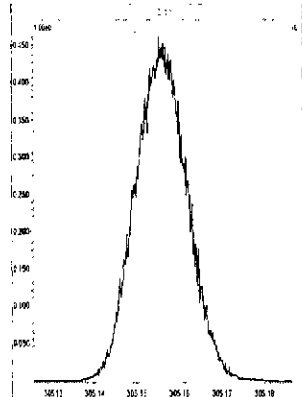
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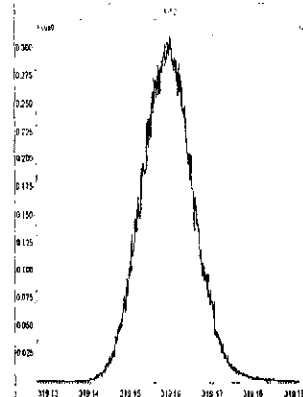
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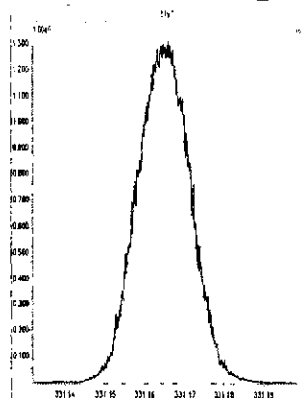
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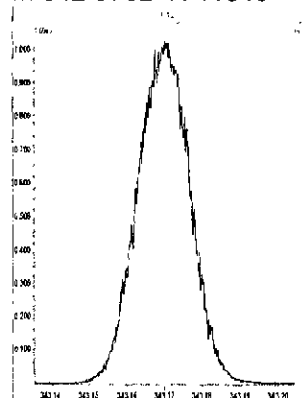
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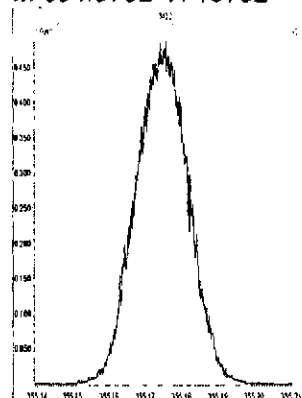
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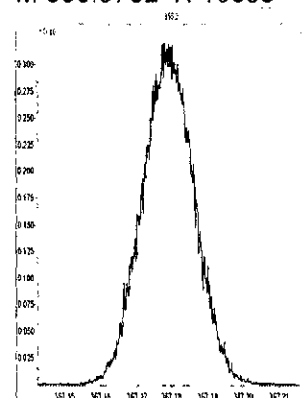
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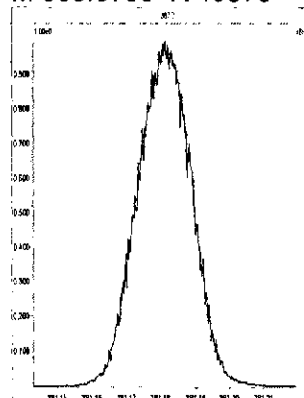
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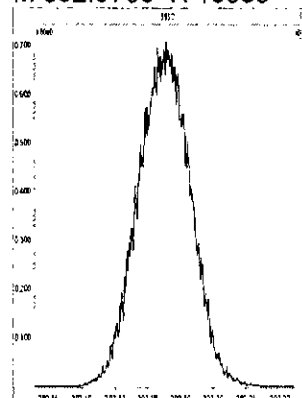
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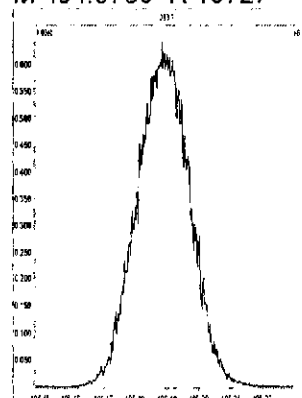
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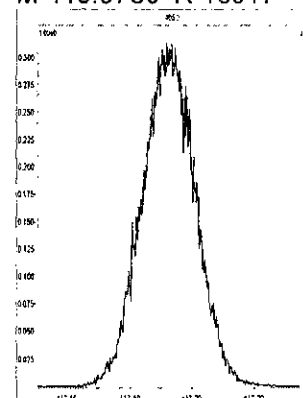
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M 404.9760 R 10727



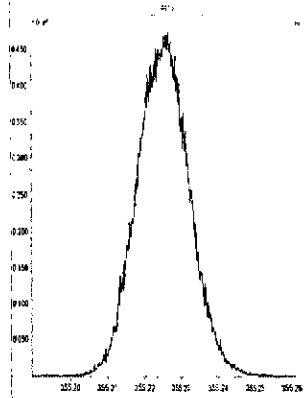
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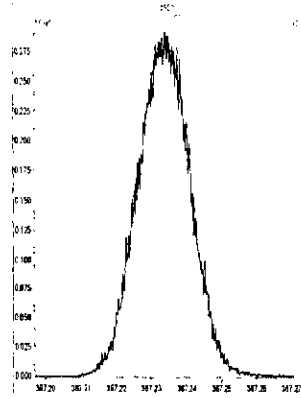
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Printed: Wednesday, September 09, 2009 09:11:55 Pacific Daylight Time

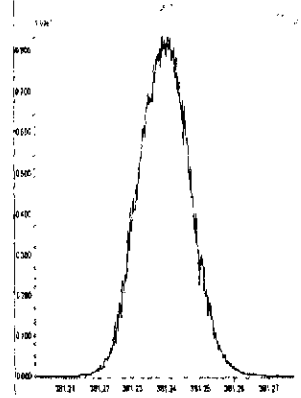
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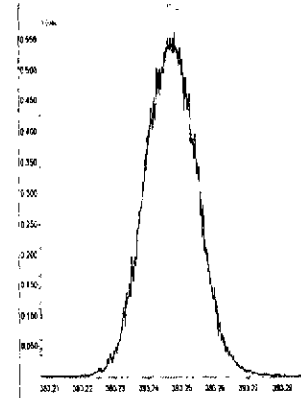
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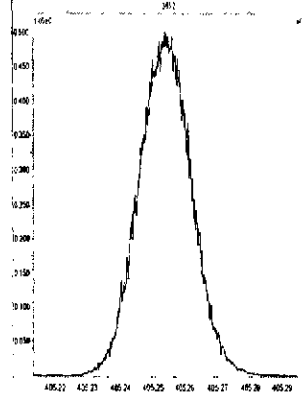
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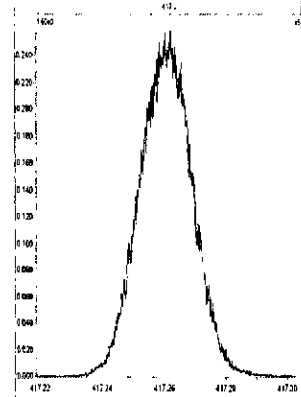
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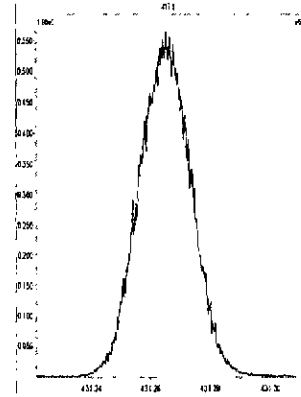
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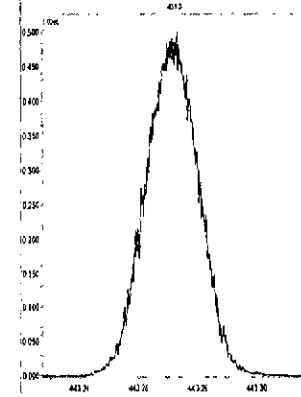
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M 430.9728 R 10966



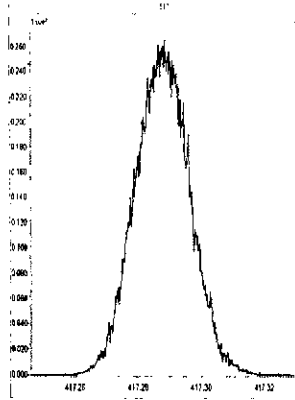
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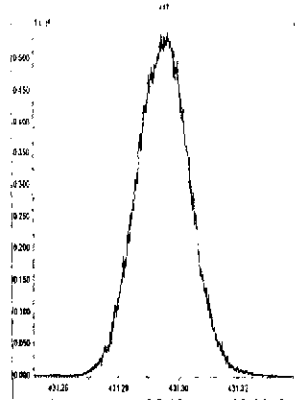
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Printed: Wednesday, September 09, 2009 09.12.36 Pacific Daylight Time

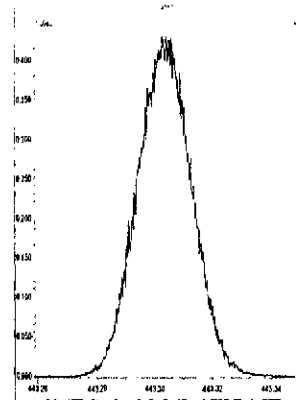
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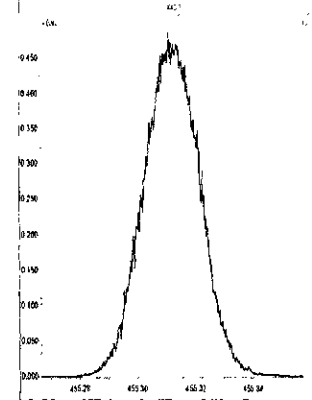
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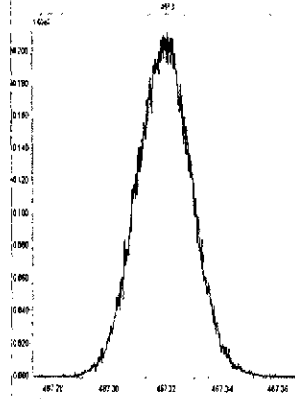
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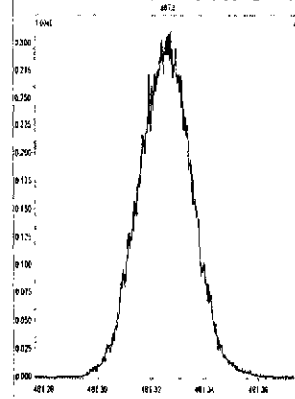
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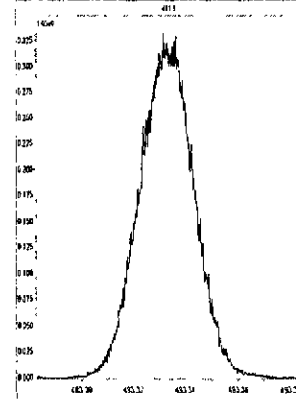
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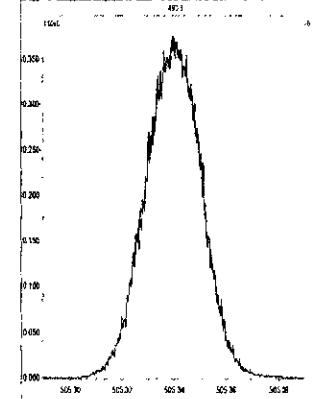
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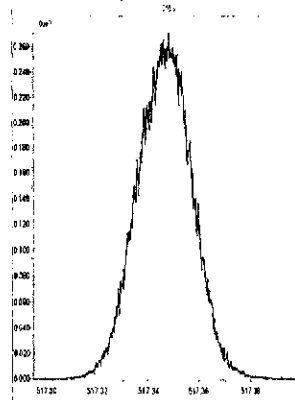
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M 504.9696 R 10372



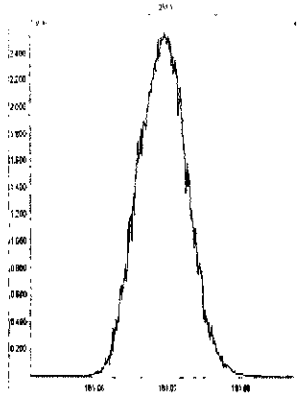
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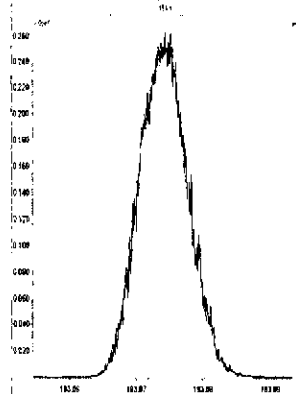
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, September 10, 2009 08:17:52 Pacific Daylight Time

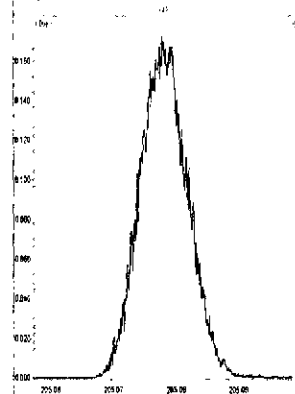
M 180.9888 R 11963



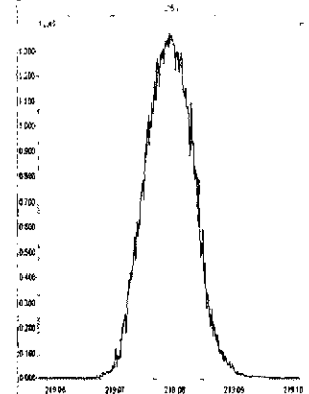
M 192.9888 R 11466



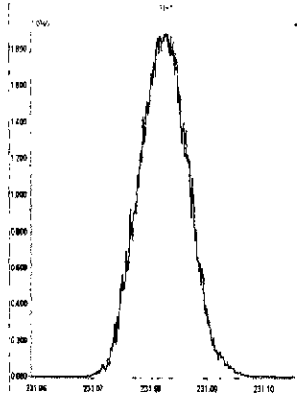
M 204.9888 R 11961



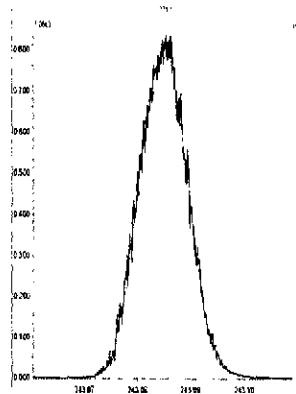
M 218.9856 R 11794



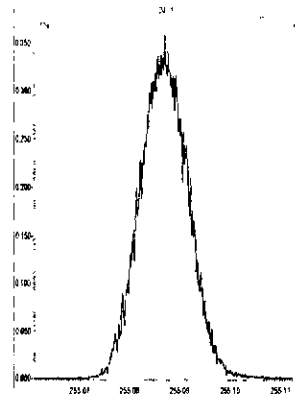
M 230.9856 R 11573



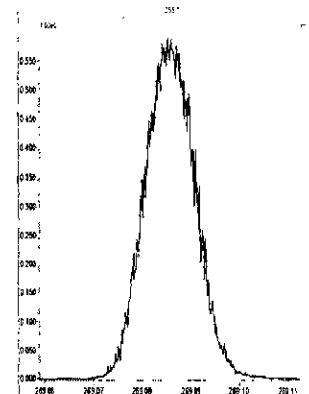
M 242.9856 R 11905



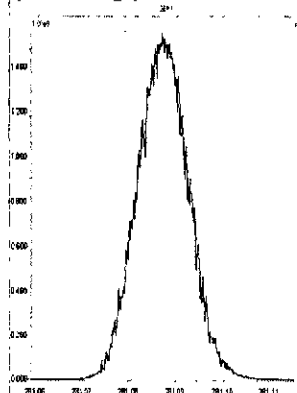
M 254.9856 R 11906



M 268.9824 R 11213



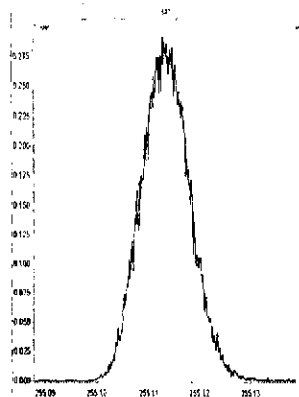
M 280.9824 R 11416



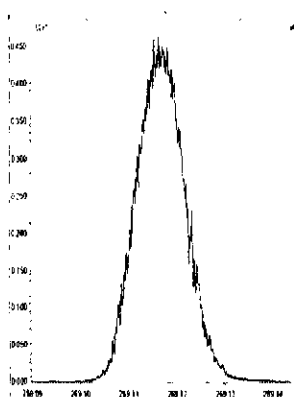
File: Experiment: 1668M10D5 exp Reference: pkf.ref Function: 2 @ 200 (ppm)

Printed: Thursday, September 10, 2009 08:18:31 Pacific Daylight Time

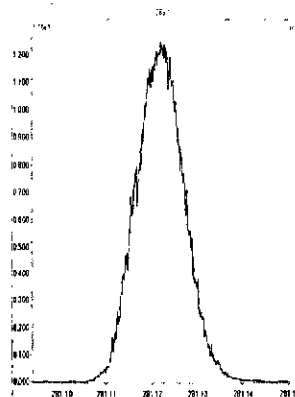
M 254.9856 R 11681



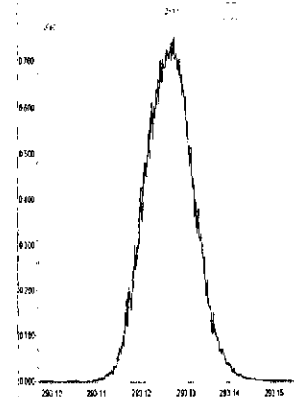
M 268.9824 R 11625



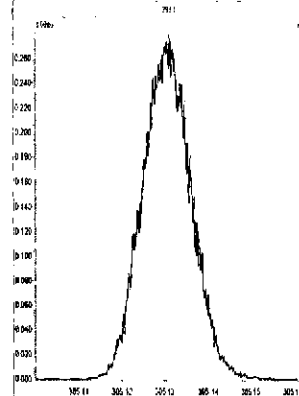
M 280.9824 R 11463



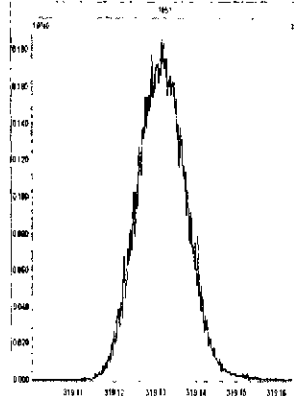
M 292.9824 R 11737



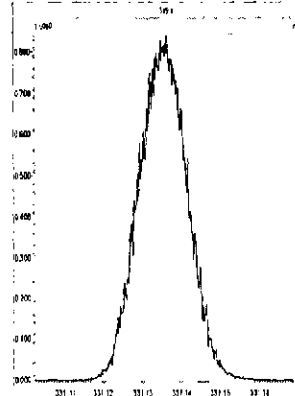
M 304.9824 R 11572



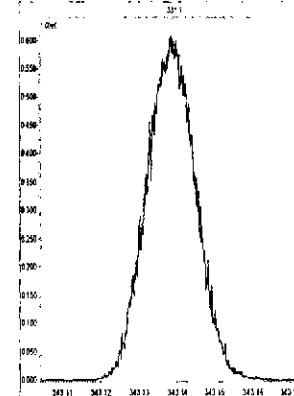
M 318.9792 R 11624



M 330.9792 R 12014



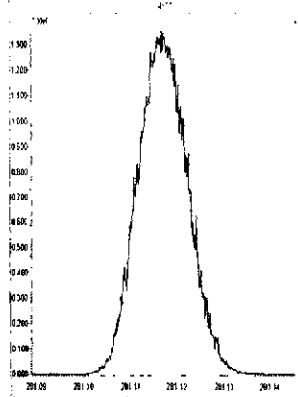
M 342.9792 R 11903



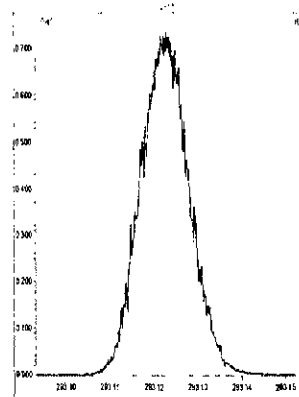
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, September 10, 2009 08:19:42 Pacific Daylight Time

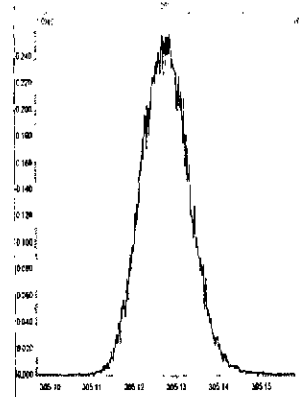
M 280.9824 R 11957



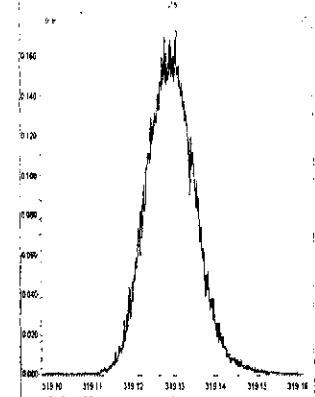
M 292.9824 R 11737



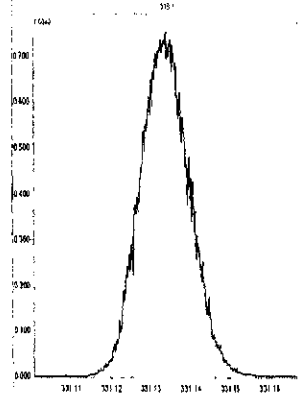
M 304.9824 R 11680



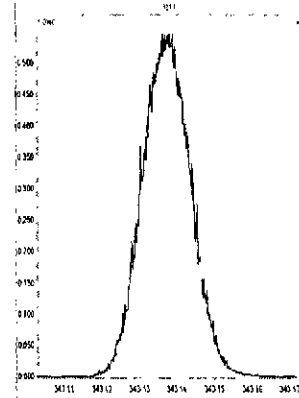
M 318.9792 R 11684



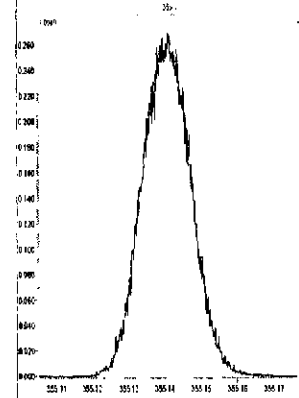
M 330.9792 R 11737



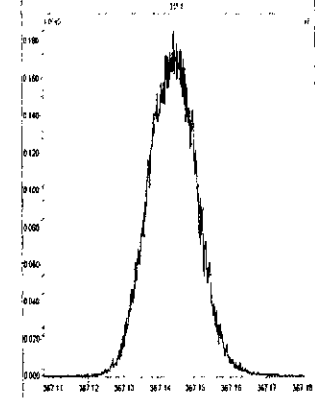
M 342.9792 R 11791



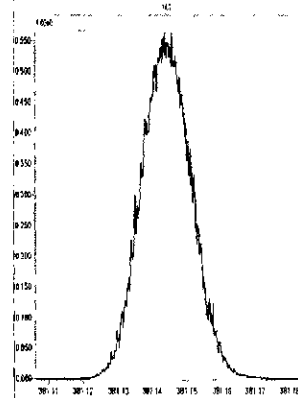
M 354.9792 R 11679



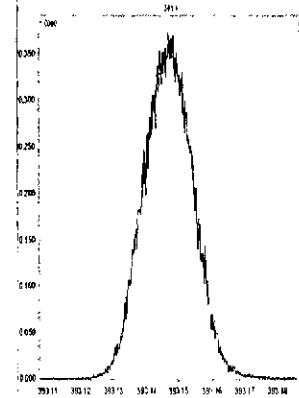
M 366.9792 R 11574



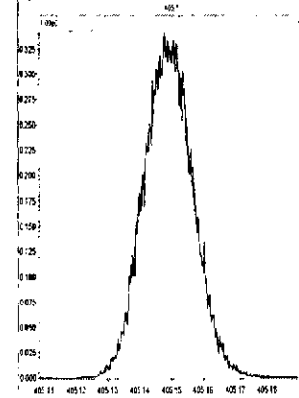
M 380.9760 R 11681



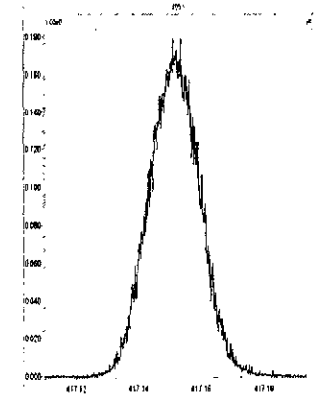
M 392.9760 R 11314



M 404.9760 R 11161



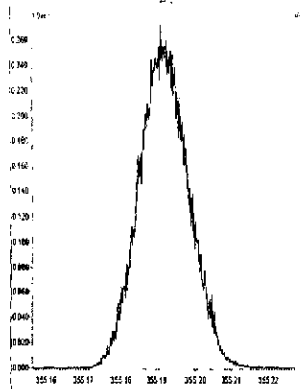
M 416.9760 R 11311



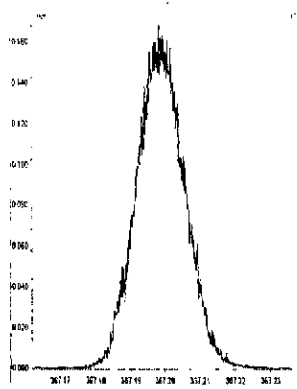
File: Experiment: 1668M10D5.exp Reference: pfk ref Function: 4 @ 200 (ppm)

Printed: Thursday, September 10, 2009 08:20:30 Pacific Daylight Time

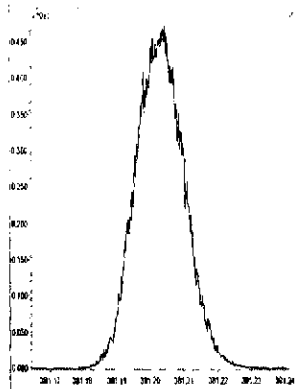
M 354.9792 R 11519



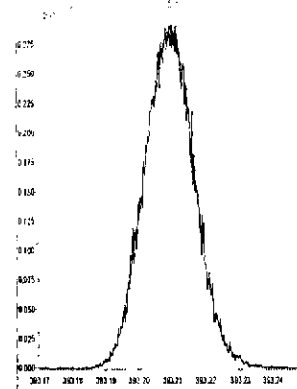
M 366.9792 R 11417



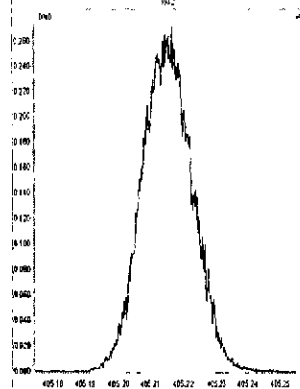
M 380.9760 R 11629



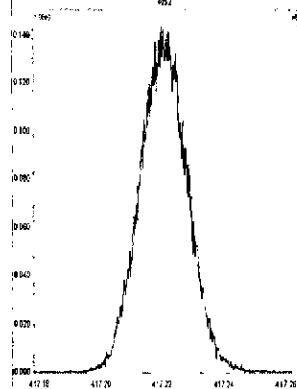
M 392.9760 R 11627



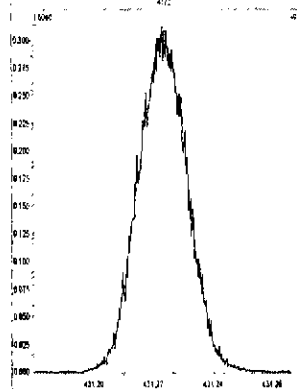
M 404.9760 R 11466



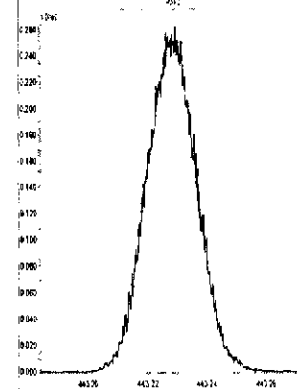
M 416.9760 R 11958



M 430.9728 R 11516



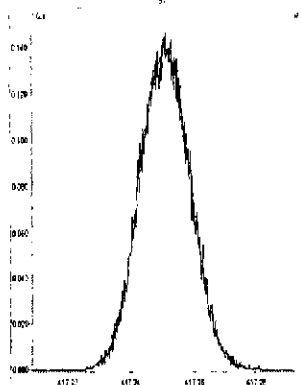
M 442.9728 R 11630



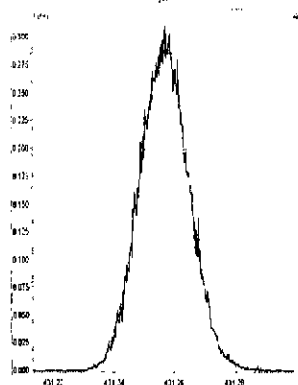
File: Experiment: 1668M10D5.exp Reference: pfk ref Function: 5 @ 200 (ppm)

Printed: Thursday, September 10, 2009 08:22:52 Pacific Daylight Time

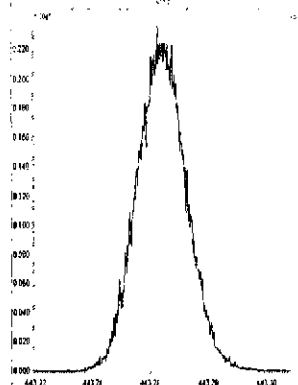
M 416.9760 R 11162



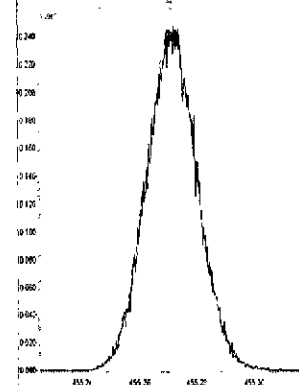
M 430.9728 R 10918



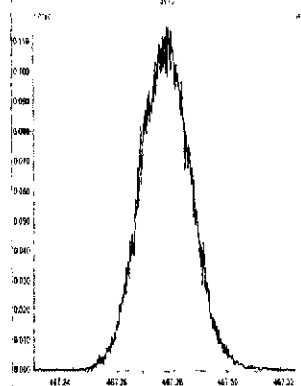
M 442.9728 R 11013



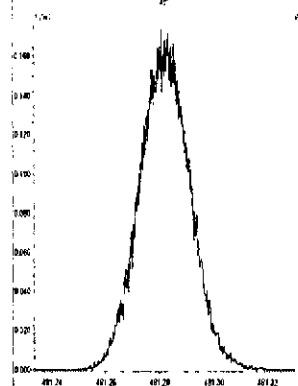
M 454.9728 R 11260



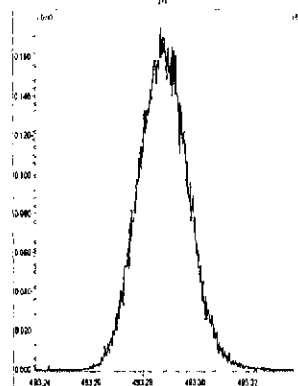
M 466.9728 R 11014



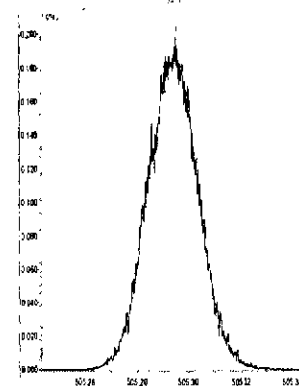
M 480.9696 R 11062



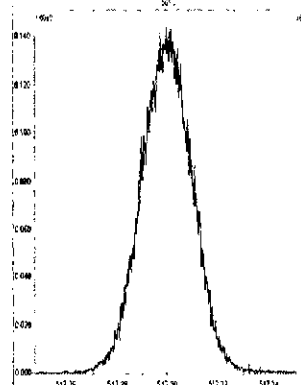
M 492.9696 R 11362



M 504.9696 R 11310

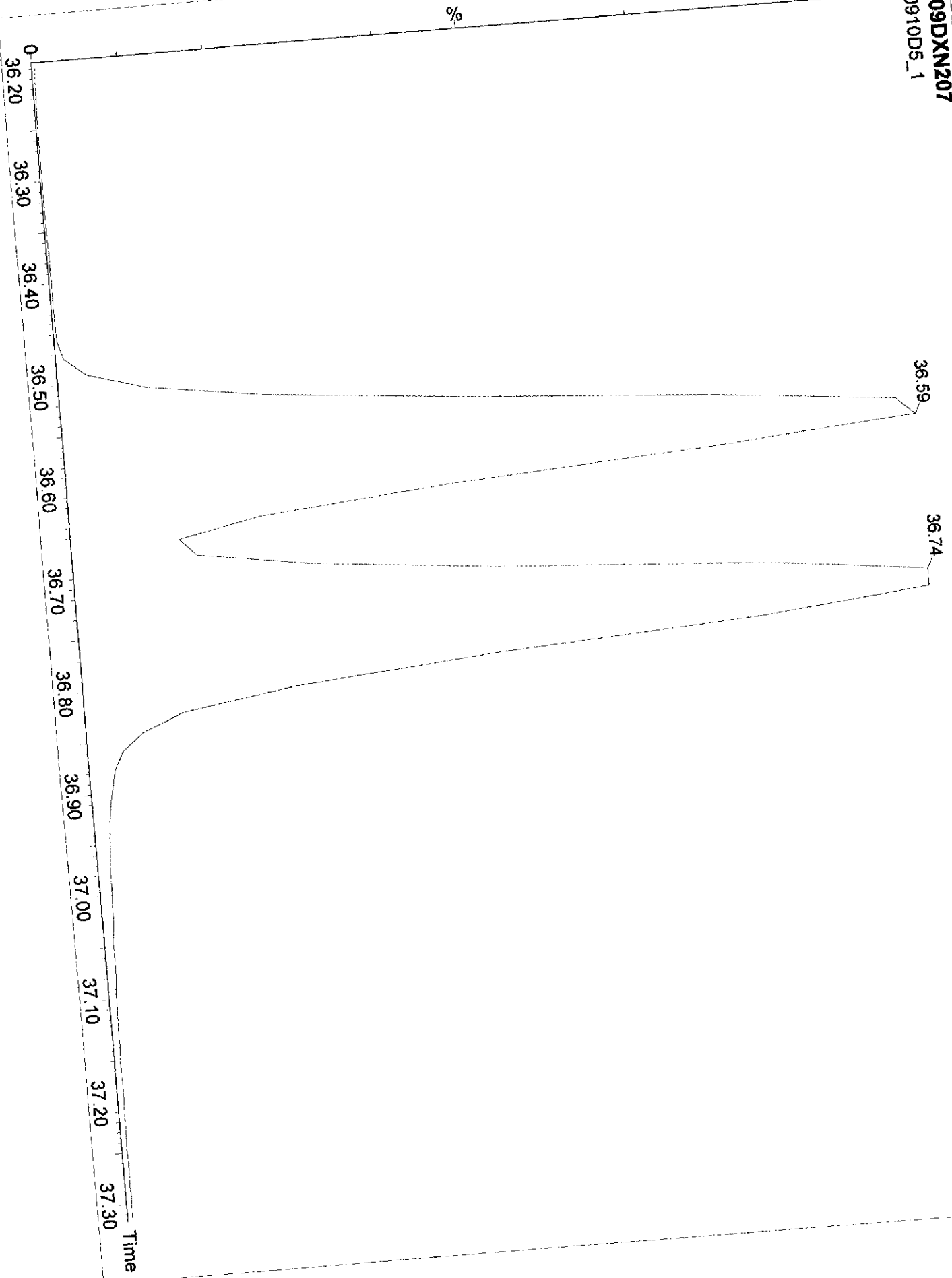


M 516.9697 R 11111





CS-3 09DXN207  
09SE0910D5\_1



3: Voltage SIR 17 Channels EI+  
325.8804  
9.37e6

Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time

Printed: Monday, September 14, 2009 15:29:29 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 09 Sep 2009 12:46:16

Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

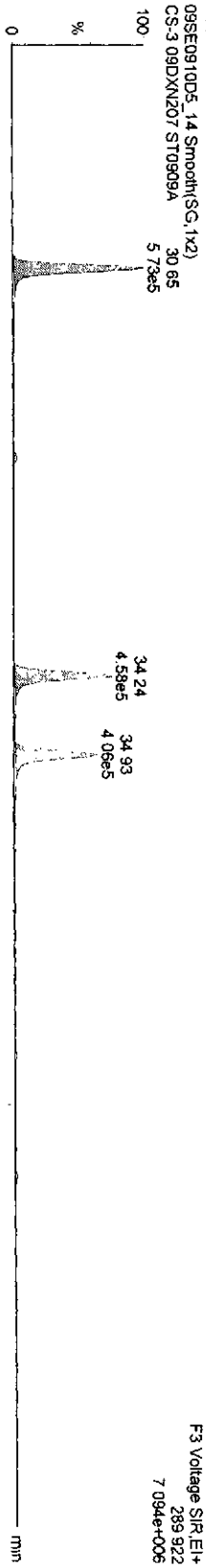
#	Name	RRF Mean	RRF SD	RRF %Ret SD
1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05642	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

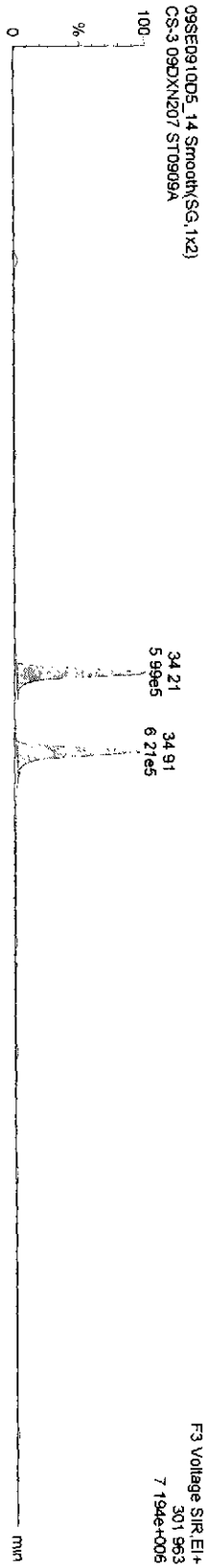
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_14, Date: 09-Sep-2009, Time: 21:40:13, ID: ST0909A, Description: CS-3 09DXN207

**TetraPCBs**



**13C-TetraPCBs**

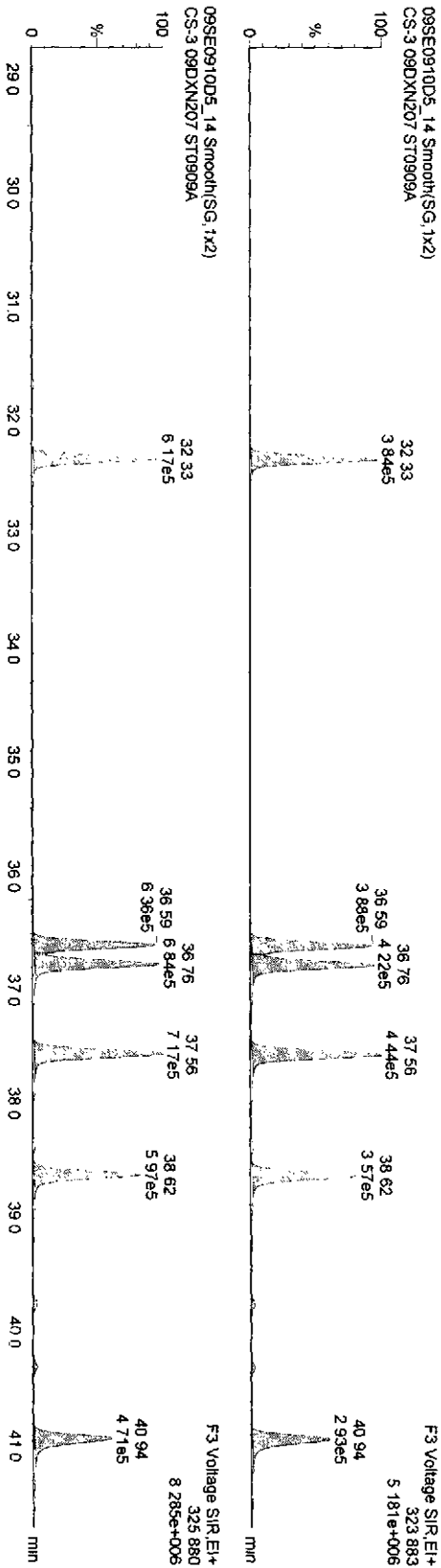


Dataset: C:\MassLynx\Default\prof\09SE0910D51668MSL.qld

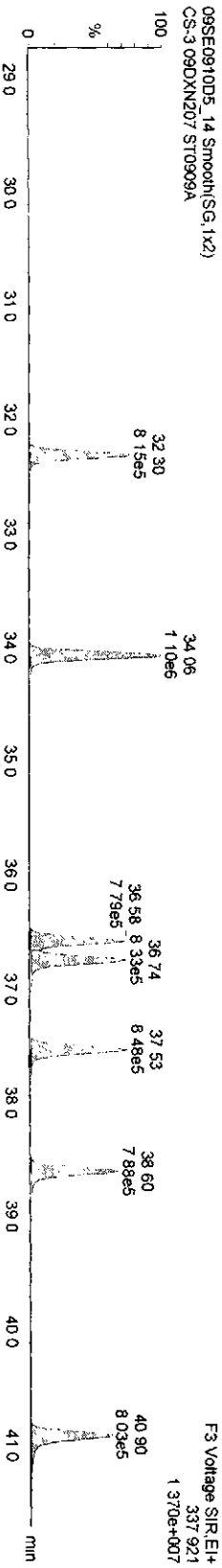
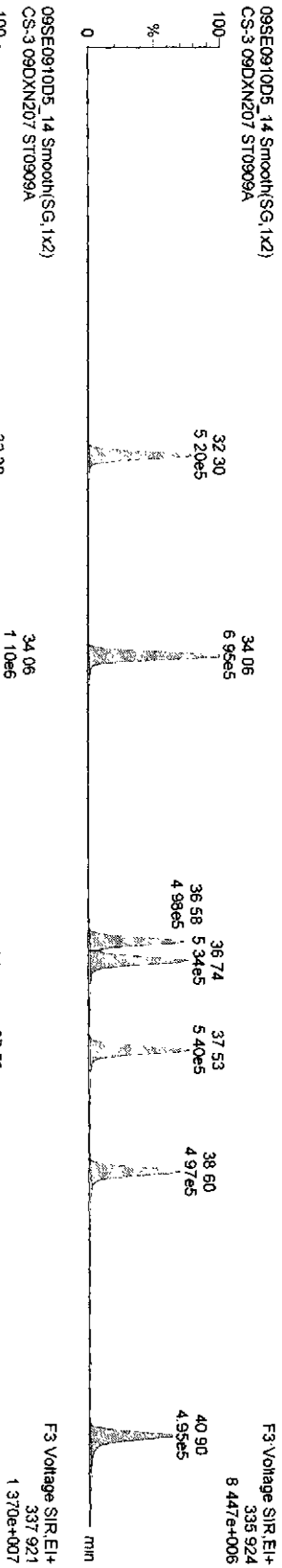
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_14, Date: 09-Sep-2009, Time: 21:40:13, ID: ST0909A, Description: CS-3 09DXN207

**PAPCBs**



**13C-PePCBs**

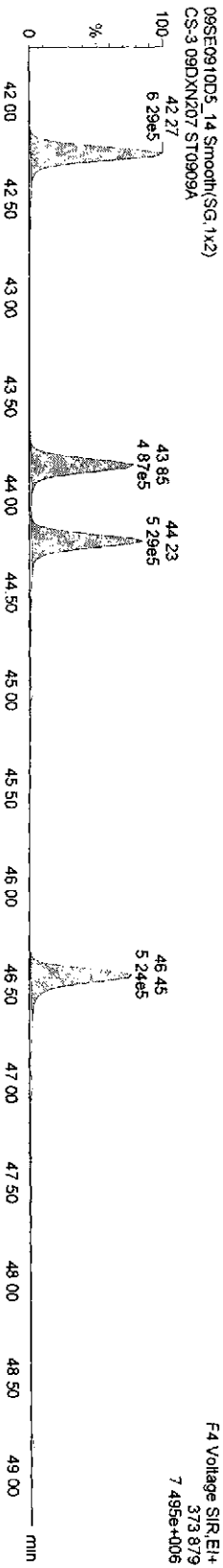
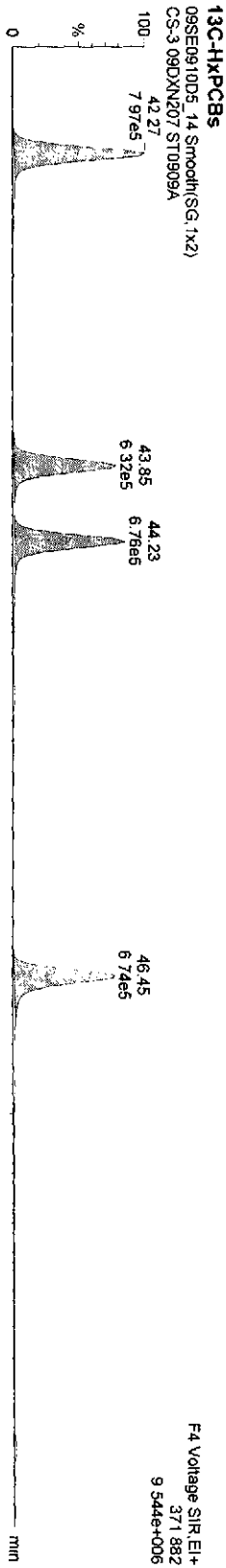
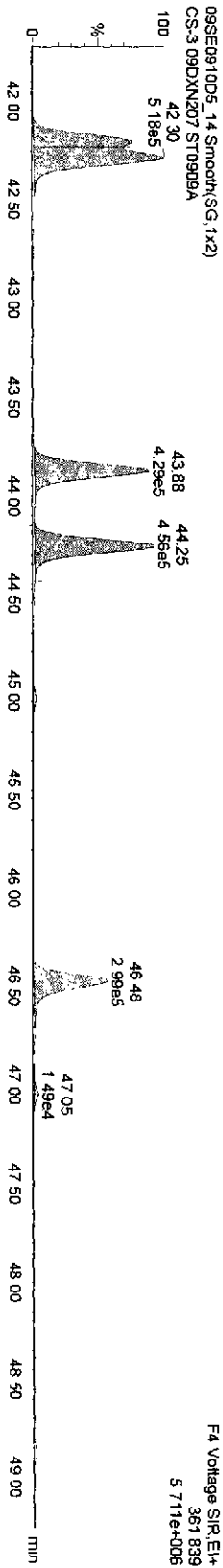
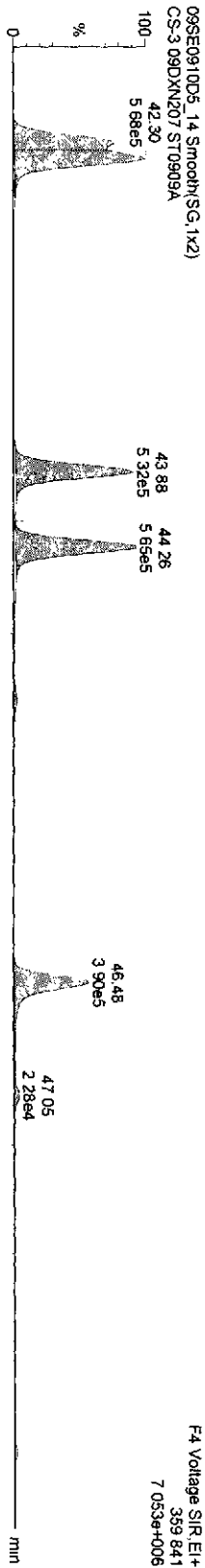


Dataset: C:\Masslynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_14, Date: 09-Sep-2009, Time: 21:40:13, ID: ST0909A, Description: CS-3 09DXN207

**HxPCBs-**



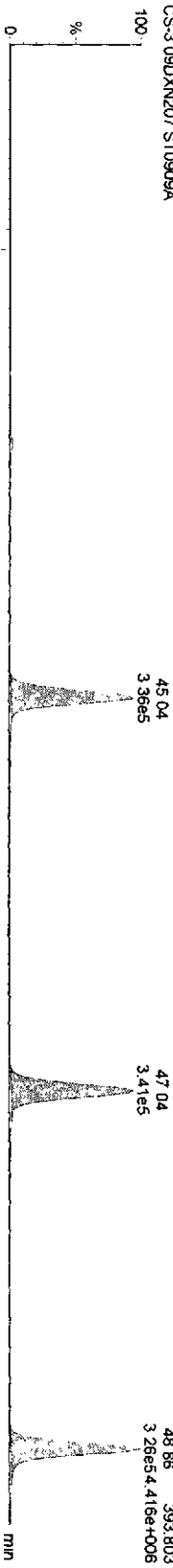
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Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

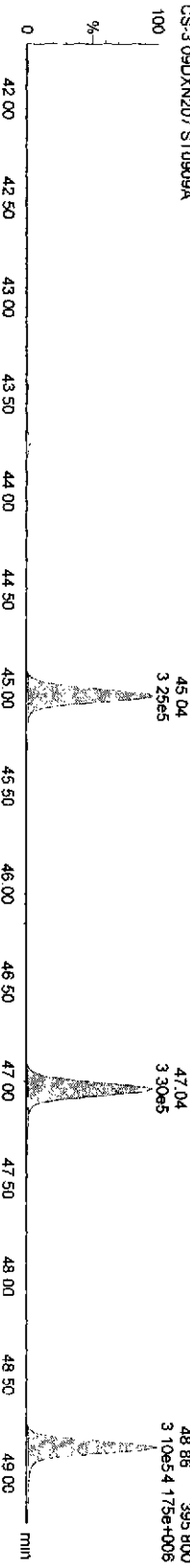
Name: 09SE0910D5\_14, Date: 09-Sep-2009, Time: 21:40:13, ID: ST0909A, Description: CS-3 09DXN207

**HPPCBs**

09SE0910D5\_14 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0909A

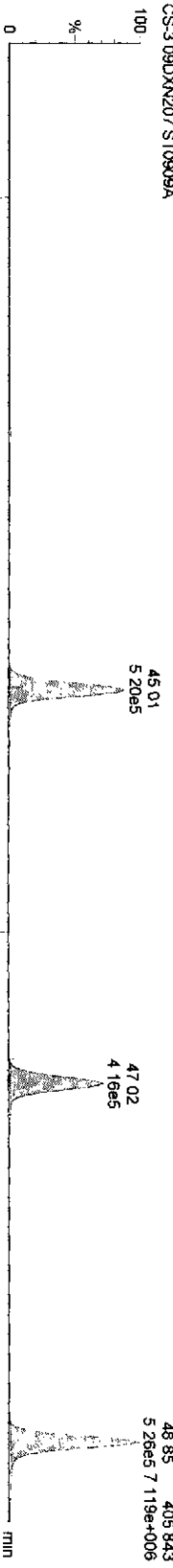


09SE0910D5\_14 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0909A

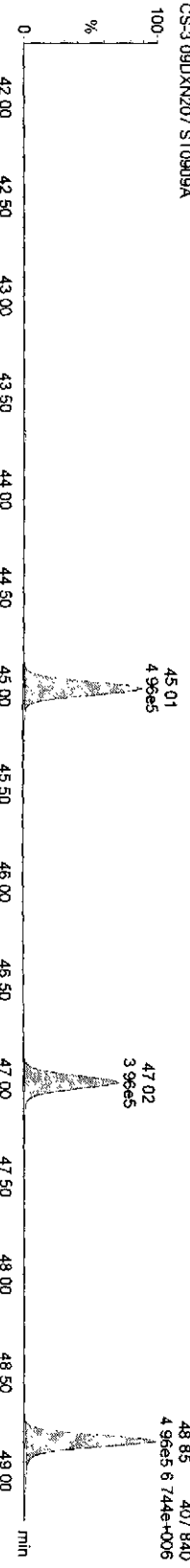


**13C-HPPCBs**

09SE0910D5\_14 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0909A



09SE0910D5\_14 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0909A



Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\pro\09SE0910D51668MSL.qld

Page 6 of 54

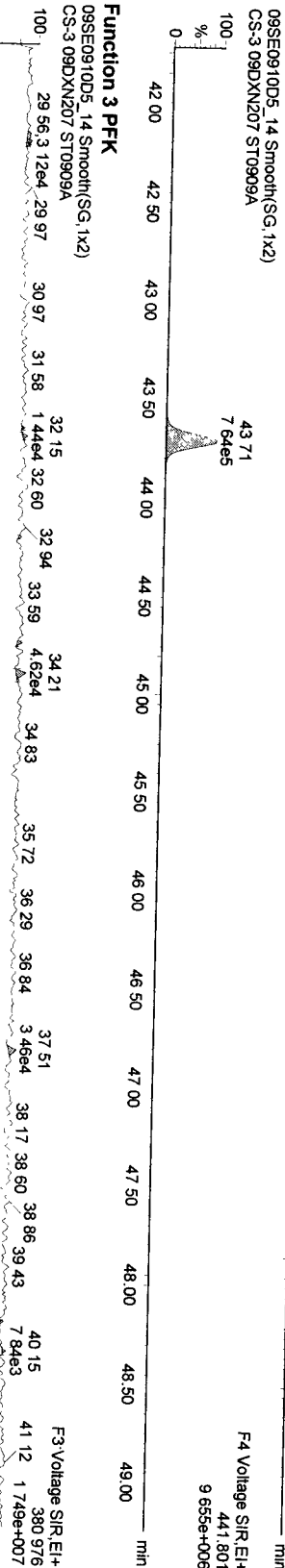
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_14, Date: 09-Sep-2009, Time: 21:40:13, ID: ST0909A, Description: CS-3 09DXN207

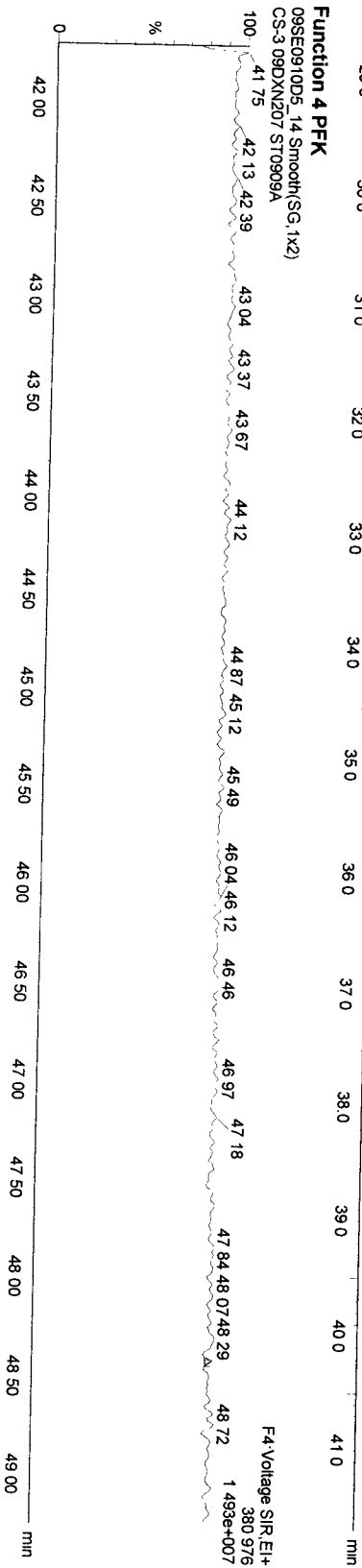
13C-OCCB-202



Function 3 PFK



Function 4 PFK



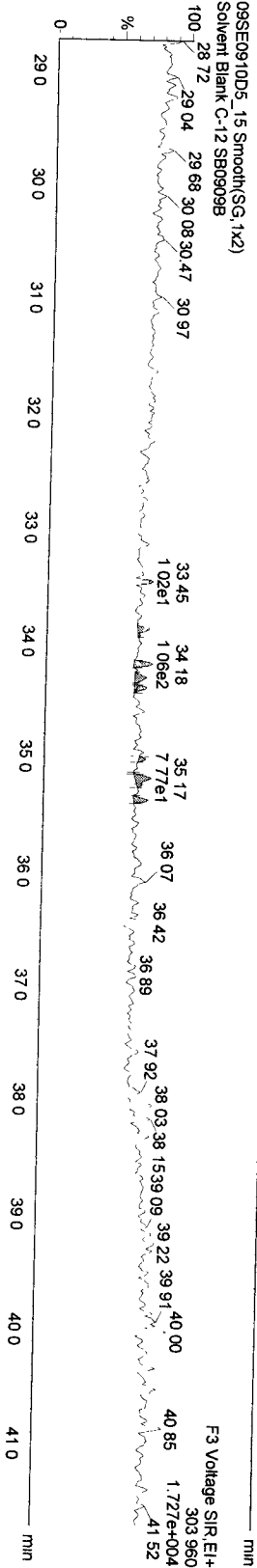
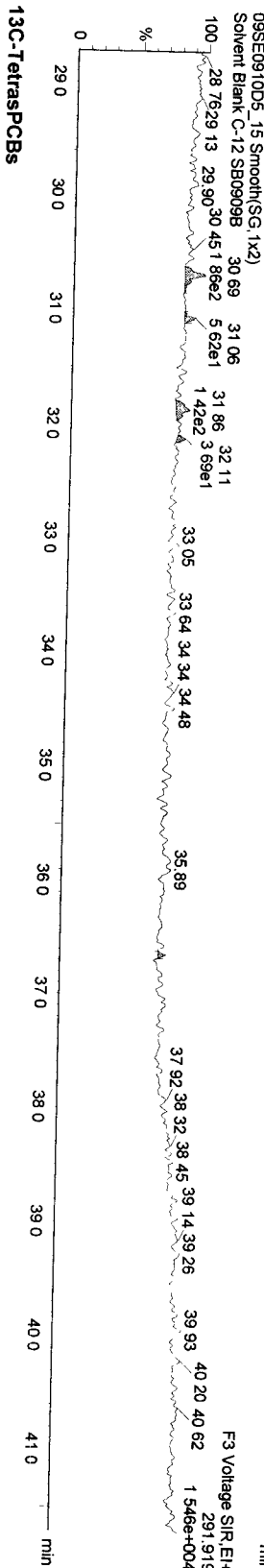
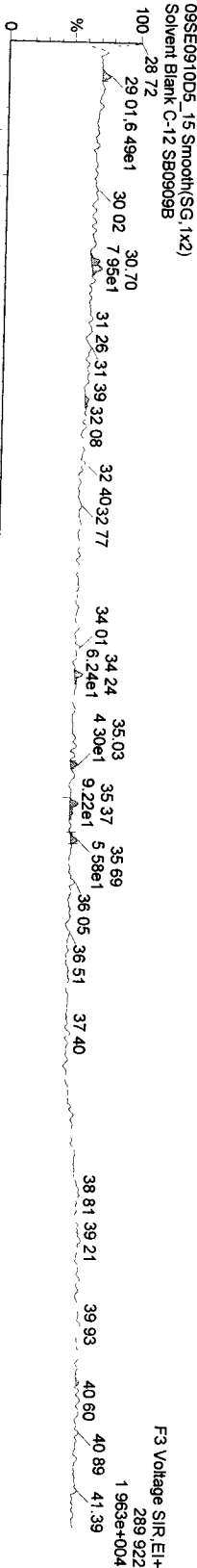
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_15, Date: 09-Sep-2009, Time: 22:37:05, ID: SB0909B, Description: Solvent Blank C-12

TetraPCBs



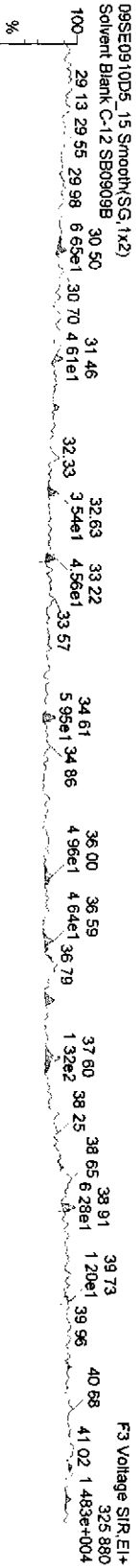
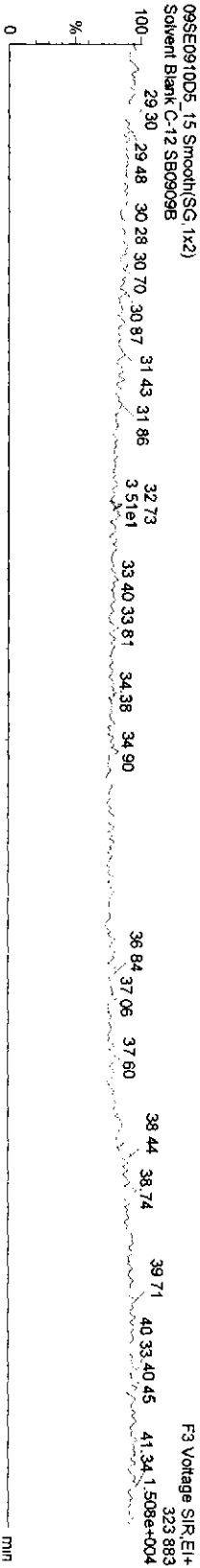


Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qld

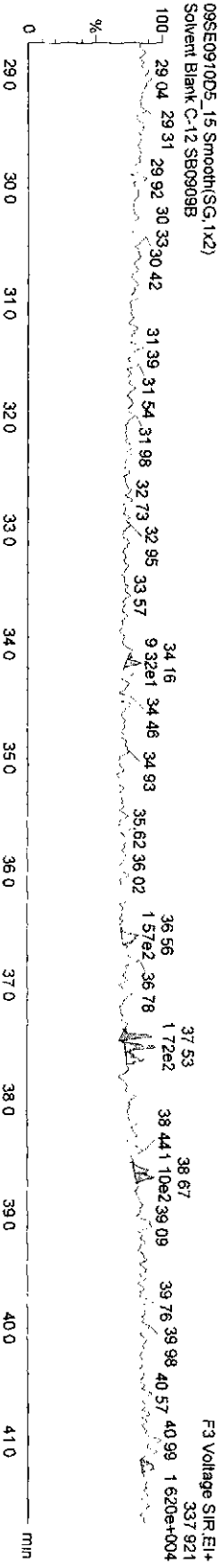
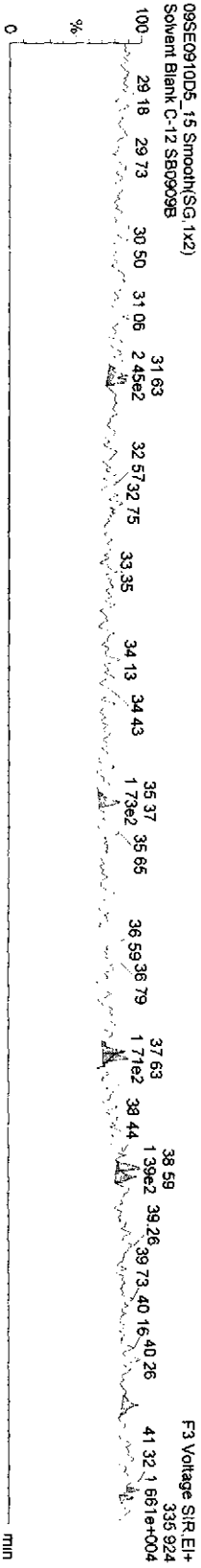
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_15, Date: 09-Sep-2009, Time: 22:37:05, ID: SB0909B, Description: Solvent Blank C-12

PePCBs



13C-PePCBs



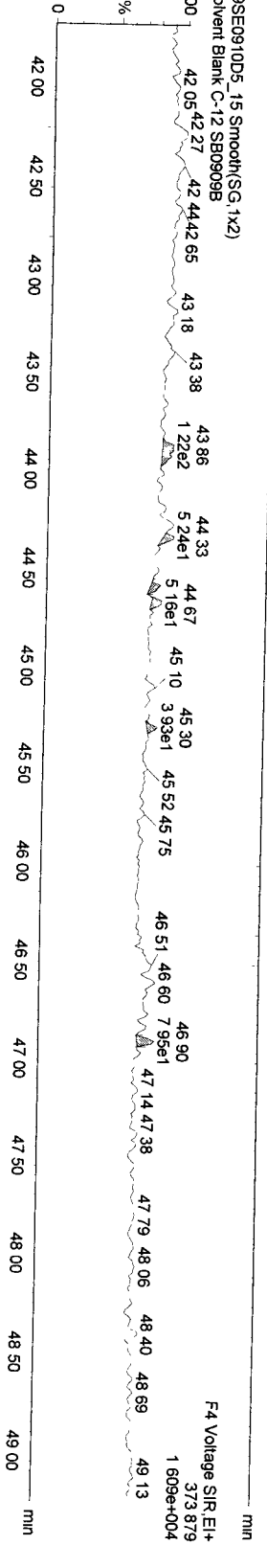
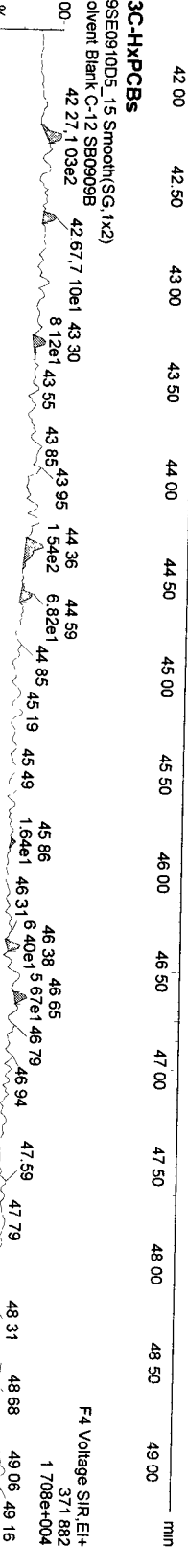
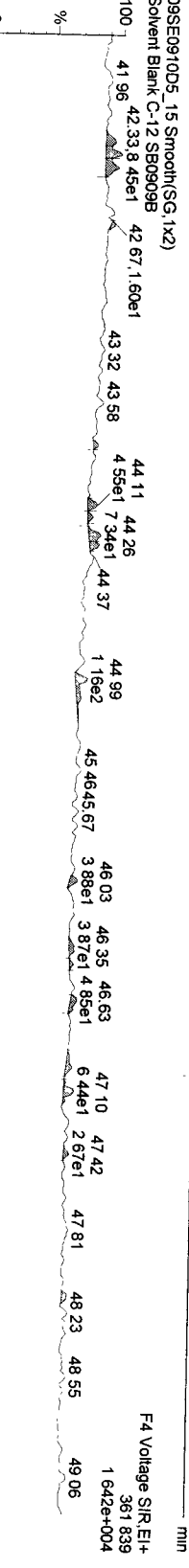
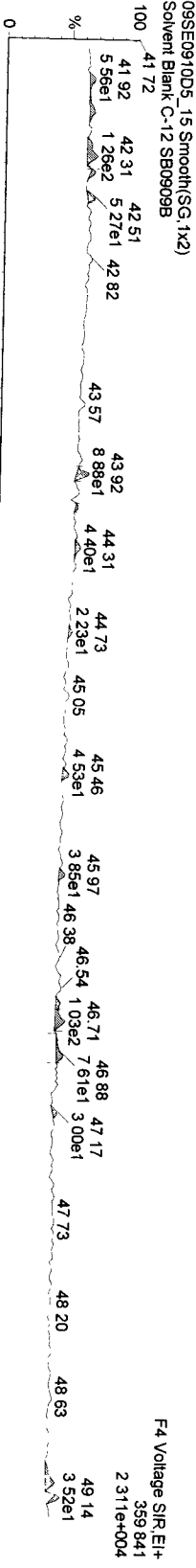
Quantify Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\09SE0910D5\1668MSL.qld

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_15, Date: 09-Sep-2009, Time: 22:37:05, ID: SB0909B, Description: Solvent Blank C-12

HxPCBS-

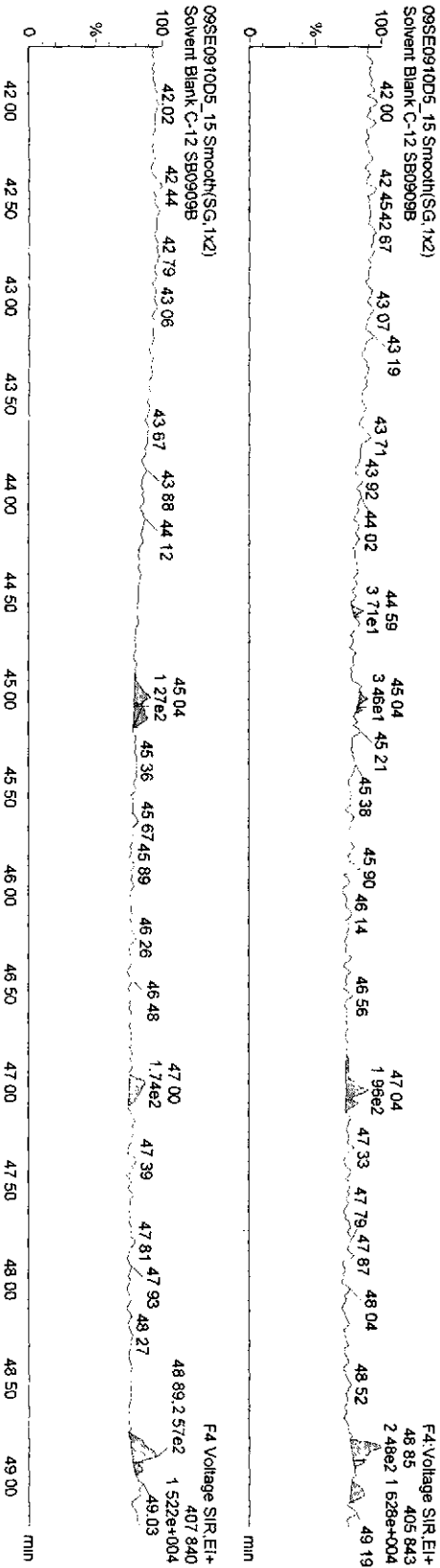
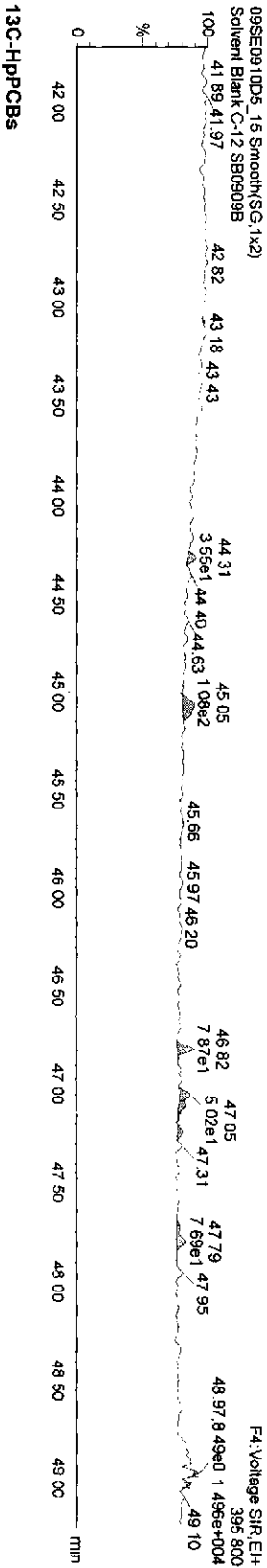
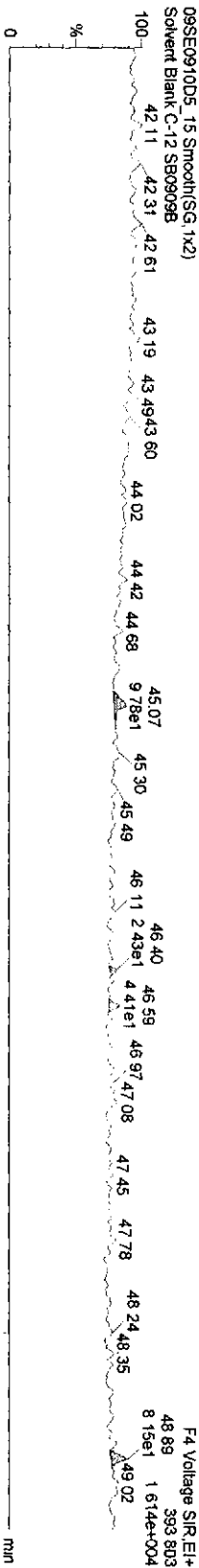


Dataset: C:\MassLynx\Default.pro\09SE0910D51668MSL.qid

Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_15, Date: 09-Sep-2009, Time: 22:37:05, ID: SB0909B, Description: Solvent Blank C-12

HPPCBs



Quantify Sample Report

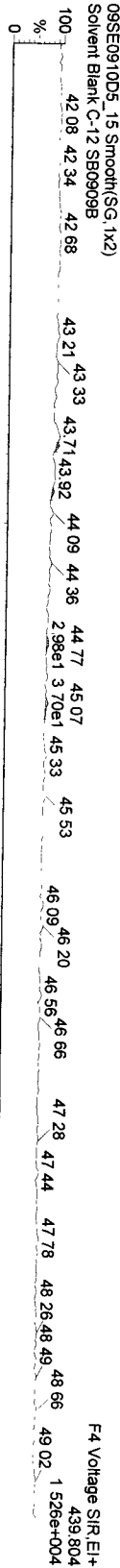
MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\09SE0910D51668MSL.qid

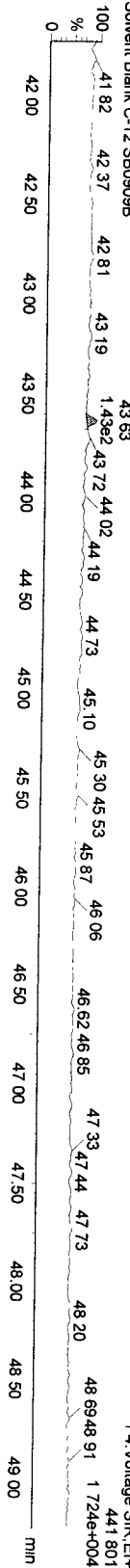
Last Altered: Thursday, September 10, 2009 09:23:13 Pacific Daylight Time  
Printed: Thursday, September 10, 2009 09:23:51 Pacific Daylight Time

Name: 09SE0910D5\_15, Date: 09-Sep-2009, Time: 22:37:05, ID: SB0909B, Description: Solvent Blank C-12

13C-OcCB-202



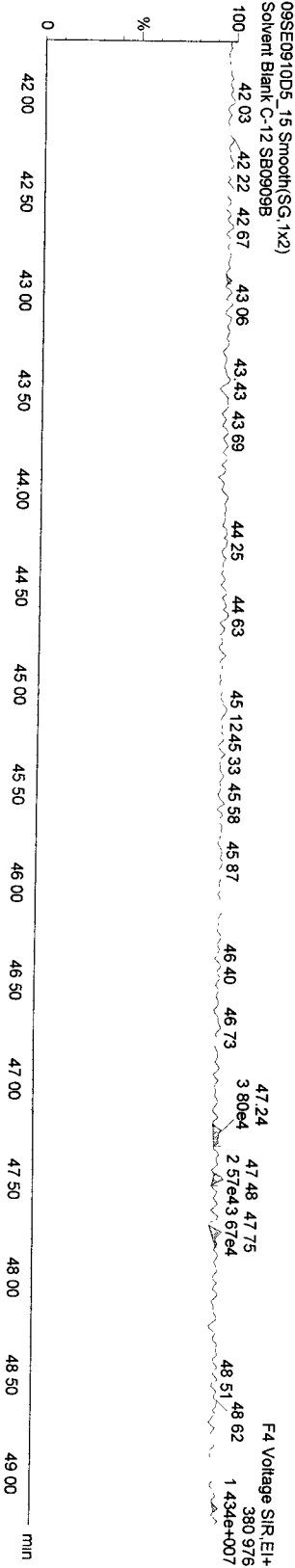
09SE0910D5\_15 Smooth(SG, 1x2)



Function 3 PFK



Function 4 PFK



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
 Methods 1668 and 1614

1668

ICAL ID I CA0716 200910DS 1668MSL, ICA0716 200910DS<sup>\*</sup>MSL DEC

Method ID 1668.M Date Scanned \_\_\_\_\_

Column ID DB-5 Instrument ID 16DS

STD ID's ST0716, ST0716A, ST0716B, ST0716C, ST0716D STD Solution 09DXN(-205, -206, -207, -208, -209)

GC Program 1668.M 16DS Multiplier Setting 350

Analyzed By SMA Date Analyzed 7-16-09

Prepared By SMA Date Prepared 7-21-09

Reviewed By AM Date Reviewed 7-21-09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CSI-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for toxic and/or window defining natives (LOC natives.). All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%; S/N ≥ 2.5

1614: %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD, S/N ≥2.5

Dataset. C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed. Thursday, August 27, 2009 16:45:37 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	12419.42300	552.43115	4.44812
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27458	0.03295	2.58481
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02377	0.01763	1.72210
11	PeCB-118/106	1.52582	0.06945	4.55167
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58926	0.05740	3.61197
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	14106.20925	642.22167	4.55276
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-DeCB-209	0.55323	0.00785	1.41876
38	DeCB-209	1.31861	0.03844	2.91546
39				
40	13C-PeCB-111	1.30483	0.02157	1.65345
41				
42	Function 3 PFK			
43	Function 4 PFK			
44	Function 5 PFK			

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.89	100.0	1238504	12385..	0.623	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1303558	1.05253	0.781	NO	
4	TeCB-81	289.922	33.82	1.0	17272	1.32496	0.713	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1366661	1.10348	0.785	NO	
6	TeCB-77	289.922	34.52	1.0	17201	1.25859	0.692	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.15	100.0	1250798	1.00993	0.630	NO	
9	PeCB-123	323.883	36.18	1.0	17822	1.42486	0.649	NO	
10	13C-PeCB-118	335.924	36.31	100.0	1303385	1.05239	0.638	NO	
11	PeCB-118/106	323.883	36.35	1.0	18785	1.44126	0.590	NO	
12	13C-PeCB-114	335.924	37.10	100.0	1308817	1.05677	0.632	NO	
13	PeCB-114	323.883	37.14	1.0	19667	1.50269	0.608	NO	
14	13C-PeCB-105	335.924	38.18	100.0	1247364	1.00715	0.630	NO	
15	PeCB-105/127	323.883	38.21	1.0	17028	1.36510	0.657	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1318474	1.06457	0.617	NO	
17	PeCB-126	323.883	40.51	1.0	14763	1.11971	0.612	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.29	100.0	1410958	14109..	0.898	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.85	100.0	1437394	1.01874	1.287	NO	
22	HxCB-167	359.841	41.87	1.0	19668	1.36831	1.291	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1133192	0.80314	1.291	NO	
24	HxCB-156	359.841	43.45	1.0	18969	1.67395	1.142	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1209820	0.85745	1.273	NO	
26	HxCB-157	359.841	43.83	1.0	19507	1.61239	1.155	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1280840	0.90778	1.268	NO	
28	HxCB-169	359.841	46.08	1.0	13786	1.07630	1.297	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.59	100.0	985244	0.69828	1.054	NO	
31	HpCB-180	393.803	44.62	1.0	13178	1.33751	1.134	NO	
32	13C-HpCB-170	405.843	46.61	100.0	795719	0.56396	1.060	NO	
33	HpCB-170	393.803	46.64	1.0	12327	1.54915	1.029	NO	
34	13C-HpCB-189	405.843	48.48	100.0	1036343	0.73450	1.048	NO	
35	HpCB-189	393.803	48.50	1.0	12596	1.21545	1.055	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.70	100.0	781754	0.55406	0.704	NO	
38	DeCB-209	495.686	53.72	1.0	9872	1.26276	0.675	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.65	100.0	1685311	1.31074	0.635	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					



Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1201788	12017	0.630	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1243046	1.03433	0.797	NO	
4	TeCB-81	289.922	33.83	5.0	87542	1.40851	0.717	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1317969	1.09667	0.797	NO	
6	TeCB-77	289.922	34.52	5.0	81251	1.23297	0.721	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1207195	1.00450	0.620	NO	
9	PeCB-123	323.883	36.18	5.0	84618	1.40190	0.624	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1219974	1.01513	0.633	NO	
11	PeCB-118/106	323.883	36.35	5.0	89482	1.46696	0.646	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1249215	1.03946	0.647	NO	
13	PeCB-114	323.883	37.14	5.0	97586	1.56236	0.602	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1174371	0.97719	0.628	NO	
15	PeCB-105/127	323.883	38.21	5.0	82035	1.39708	0.619	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1231019	1.02432	0.623	NO	
17	PeCB-126	323.883	40.54	5.0	67459	1.09599	0.630	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1363855	13638	0.891	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1360620	0.99763	1.270	NO	
22	HxCB-167	359.841	41.88	5.0	86045	1.26479	1.229	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1065694	0.78138	1.285	NO	
24	HxCB-156	359.841	43.46	5.0	85122	1.59750	1.186	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1123200	0.82355	1.286	NO	
26	HxCB-157	359.841	43.85	5.0	89045	1.58556	1.238	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1168591	0.85683	1.282	NO	
28	HxCB-169	359.841	46.08	5.0	62351	1.06712	1.221	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	925688	0.67873	1.035	NO	
31	HpCB-180	393.803	44.62	5.0	56871	1.22872	1.063	NO	
32	13C-HpCB-170	405.843	46.61	100.0	738016	0.54112	1.062	NO	
33	HpCB-170	393.803	46.64	5.0	58449	1.58394	1.019	NO	
34	13C-HpCB-189	405.843	48.50	100.0	932310	0.68358	1.049	NO	
35	HpCB-189	393.803	48.51	5.0	56109	1.20366	1.059	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	745327	0.54649	0.715	NO	
38	DeCB-209	495.686	53.73	5.0	48235	1.29433	0.711	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.66	100.0	1588090	1.30561	0.634	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

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Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1175057	11750	0.634	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1246212	1.06055	0.801	NO	
4	TeCB-81	289.922	33.83	50.0	930081	1.49265	0.723	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1331423	1.13307	0.804	NO	
6	TeCB-77	289.922	34.52	50.0	847939	1.27373	0.727	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1191088	1.01364	0.643	NO	
9	PeCB-123	323.883	36.18	50.0	929234	1.56031	0.615	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1202953	1.02374	0.631	NO	
11	PeCB-118/106	323.883	36.35	50.0	956194	1.58974	0.625	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1229304	1.04616	0.638	NO	
13	PeCB-114	323.883	37.14	50.0	987405	1.60645	0.626	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1164813	0.99128	0.637	NO	
15	PeCB-105/127	323.883	38.21	50.0	850622	1.46053	0.610	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1208292	1.02828	0.622	NO	
17	PeCB-126	323.883	40.53	50.0	708636	1.17295	0.622	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1332095	13320	0.897	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1325323	0.99492	1.279	NO	
22	HxCB-167	359.841	41.88	50.0	929401	1.40253	1.238	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1039105	0.78005	1.292	NO	
24	HxCB-156	359.841	43.46	50.0	895990	1.72454	1.227	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1109688	0.83304	1.283	NO	
26	HxCB-157	359.841	43.85	50.0	943304	1.70012	1.230	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1146831	0.86092	1.284	NO	
28	HxCB-169	359.841	46.08	50.0	635680	1.10859	1.243	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	926647	0.69563	1.034	NO	
31	HpCB-180	393.803	44.62	50.0	599373	1.29364	1.027	NO	
32	13C-HpCB-170	405.843	46.62	100.0	725228	0.54443	1.045	NO	
33	HpCB-170	393.803	46.64	50.0	598461	1.65041	1.043	NO	
34	13C-HpCB-189	405.843	48.50	100.0	930603	0.69860	1.043	NO	
35	HpCB-189	393.803	48.51	50.0	575970	1.23784	1.038	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	733459	0.55061	0.704	NO	
38	DeCB-209	495.686	53.73	50.0	494787	1.34919	0.691	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.67	100.0	1595890	1.33070	0.629	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

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Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335 924	31.89	100.0	1295333	12953	0.633	NO	
2				0.0					
3	13C-TeCB-81	301 963	33.80	100.0	1310582	1.01177	0.780	NO	
4	TeCB-81	289.922	33.82	200.0	3974320	1.51624	0.742	NO	
5	13C-TeCB-77	301 963	34.49	100.0	1385538	1.06964	0.794	NO	
6	TeCB-77	289 922	34.52	200.0	3662737	1.32177	0.723	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1226579	0.94692	0.628	NO	
9	PeCB-123	323 883	36.18	200.0	3838855	1.56486	0.620	NO	
10	13C-PeCB-118	335 924	36.33	100.0	1301955	1.00511	0.639	NO	
11	PeCB-118/106	323 883	36.35	200.0	4007006	1.53884	0.615	NO	
12	13C-PeCB-114	335 924	37.12	100.0	1286568	0.99323	0.644	NO	
13	PeCB-114	323 883	37.14	200.0	4203276	1.63352	0.617	NO	
14	13C PeCB-105	335 924	38.18	100.0	1235972	0.95417	0.624	NO	
15	PeCB-105/127	323 883	38.21	200.0	3603788	1.45788	0.623	NO	
16	13C-PeCB-126	335 924	40.51	100.0	1300506	1.00399	0.625	NO	
17	PeCB-126	323.883	40.52	200.0	3074213	1.18193	0.615	NO	
18				0.0					
19	13C-OcCB-202	439 804	43.31	100.0	1460108	14601	0.903	NO	
20				0.0					
21	13C-HxCB-167	371 882	41.87	100.0	1431091	0.98013	1.291	NO	
22	HxCB-167	359 841	41.88	200.0	3738452	1.30615	1.233	NO	
23	13C-HxCB-156	371 882	43.43	100.0	1116476	0.76465	1.290	NO	
24	HxCB-156	359 841	43.46	200.0	3830700	1.71553	1.223	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1194057	0.81779	1.280	NO	
26	HxCB-157	359 841	43.85	200.0	4035042	1.68964	1.232	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1236150	0.84662	1.277	NO	
28	HxCB-169	359 841	46.06	200.0	2788716	1.12798	1.245	NO	
29				0.0					
30	13C-HpCB-180	405 843	44.61	100.0	970265	0.66452	1.045	NO	
31	HpCB-180	393.803	44.62	200.0	2544786	1.31139	1.039	NO	
32	13C-HpCB-170	405.843	46.61	100.0	776807	0.53202	1.059	NO	
33	HpCB-170	393.803	46.64	200.0	2565555	1.65135	1.038	NO	
34	13C-HpCB-189	405 843	48.48	100.0	978294	0.67001	1.033	NO	
35	HpCB-189	393.803	48.51	200.0	2441050	1.24761	1.041	NO	
36				0.0					
37	13C-DeCB-209	507 726	53.72	100.0	801083	0.54865	0.706	NO	
38	DeCB-209	495 686	53.73	200.0	2145217	1.33895	0.696	NO	
39				0.0					
40	13C-PeCB-111	335 924	33.65	100.0	1659357	1.30626	0.623	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset C:\MassLynx\Default pro\ICA0716200910D51668MSLDEC.qld

Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335 924	31 90	100 0	1299028	12990..	0 636	NO	
2				0 0					
3	13C-TeCB-81	301 963	33 80	100 0	1351021	1.04002	0 809	NO	
4	TeCB-81	289 922	33 82	500 0	10467538	1 54957	0 737	NO	
5	13C-TeCB-77	301.963	34 49	100 0	1453148	1.11864	0 802	NO	
6	TeCB-77	289 922	34 52	500.0	9342494	1 28583	0 722	NO	
7				0 0					
8	13C-PeCB-123	335.924	36.16	100.0	1287591	0 99120	0.632	NO	
9	PeCB-123	323 883	36.18	500 0	10139770	1 57500	0.616	NO	
10	13C-PeCB-118	335 924	36 33	100 0	1328216	1 02247	0.649	NO	
11	PeCB-118/106	323 883	36 35	500 0	10574689	1.59231	0 621	NO	
12	13C-PeCB-114	335 924	37 12	100.0	1362567	1.04891	0 632	NO	
13	PeCB-114	323.883	37.15	500 0	11181883	1 64130	0 625	NO	
14	13C PeCB-105	335.924	38.19	100 0	1270123	0 97775	0 646	NO	
15	PeCB-105/127	323.883	38.21	500 0	9435282	1.48573	0 621	NO	
16	13C-PeCB-126	335 924	40.51	100.0	1336400	1.02877	0.628	NO	
17	PeCB-126	323 883	40.53	500 0	8075162	1 20849	0 619	NO	
18				0 0					
19	13C-OcCB-202	439.804	43 31	100 0	1486089	14860.	0 895	NO	
20				0 0					
21	13C-HxCB-167	371.882	41 87	100 0	1517183	1.02092	1.289	NO	
22	HxCB-167	359 841	41.88	500 0	10605261	1.39802	1 234	NO	
23	13C-HxCB-156	371 882	43 45	100 0	1183364	0 79629	1.304	NO	
24	HxCB-156	359 841	43 46	500.0	10238996	1 73049	1.242	NO	
25	13C-HxCB-157	371.882	43.83	100 0	1255009	0.84450	1.295	NO	
26	HxCB-157	359 841	43.85	500 0	10733652	1 71053	1 230	NO	
27	13C-HxCB-169	371.882	46 05	100.0	1314059	0 88424	1.276	NO	
28	HxCB-169	359.841	46 08	500 0	7303533	1 11160	1 218	NO	
29				0 0					
30	13C-HpCB-180	405.843	44 61	100.0	1014969	0.68298	1 046	NO	
31	HpCB-180	393.803	44 64	500 0	6752054	1.33049	1 042	NO	
32	13C-HpCB-170	405 843	46 62	100 0	827947	0 55713	1 061	NO	
33	HpCB-170	393.803	46 64	500 0	6789976	1 64019	1.040	NO	
34	13C-HpCB-189	405.843	48 50	100 0	1042716	0.70165	1 045	NO	
35	HpCB-189	393.803	48 51	500 0	6512169	1 24908	1 047	NO	
36				0 0					
37	13C-DeCB-209	507.726	53 72	100.0	841659	0.56636	0.703	NO	
38	DeCB-209	495 686	53.73	500.0	5672044	1.34782	0.701	NO	
39				0 0					
40	13C-PeCB-111	335.924	33 67	100 0	1673672	1.27084	0.628	NO	
41				1 0					
42	Function 3 PFK	380 976		1 0					
43	Function 4 PFK	380 976		1 0					
44	Function 5 PFK	480 970		1 0					

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1	16JL0910D5_1	Solvent Blank C-12	SB0716	---	1.000000	---	1.00
2	16JL0910D5_2	CS-1 09DXN205	ST0716	---	1.000000	---	1.00
3	16JL0910D5_3	CS-2 09DXN206	ST0716A	---	1.000000	---	1.00
4	16JL0910D5_4	CS-3 09DXN207	ST0716B	---	1.000000	---	1.00
5	16JL0910D5_5	CS-4 09DXN208	ST0716C	---	1.000000	---	1.00
6	16JL0910D5_6	CS-5 09DXN209	ST0716D	---	1.000000	---	1.00
7	16JL0910D5_7	Solvent Blank C-12	SB0716A	---	1.000000	---	1.00
8	16JL0910D5_8	2nd Source 09DXN196	ST0716E	1668	1.000000	---	1.00
9	16JL0910D5_9	CS-3 09DXN207	ST0716F	---	1.000000	---	1.00
10	16JL0910D5_10	Solvent Blank C-12	SB0716B	---	1.000000	---	1.00
11	16JL0910D5_11	G9G020271-1MB	LF612-1-AAB	1668/SOLID 89	10.000000	g	20
12	16JL0910D5_12	G9G020271-1LCS	LF612-1-ACC	1668/SOLID	10.000000	g	20
13	16JL0910D5_13	G9G020271-1	LF16J-1-AC	1668/SOLID	10.030000	g	20
14	16JL0910D5_14	G9G020271-2	LF16K-1-AC	1668/SOLID	10.075000	g	20
15	16JL0910D5_15	G9G020271-3	LF16L-1-AC	1668/SOLID	10.450000	g	20
16	16JL0910D5_16	G9G020275-1	LF162-1-AC	1668/SOLID	10.195000	g	20
17	16JL0910D5_17	G9G020275-2	LF166-1-AC	1668/SOLID	10.225000	g	20
18	16JL0910D5_18	G9G020275-3	LF168-1-AC	1668/SOLID	10.205000	g	20
19	16JL0910D5_19	G9G020275-4	LF169-1-AC	1668/SOLID	10.085000	g	20
20	16JL0910D5_20	G9G020280-1	LF172-1-AC	1668/SOLID	10.265000	g	20
21	16JL0910D5_21	G9G020280-2	LF174-1-AC	1668/SOLID	10.340000	g	20
22	16JL0910D5_22	G9G020280-3	LF176-1-AC	1668/SOLID	10.040000	g	20
23	16JL0910D5_23	Solvent Blank C-12	SB0716C	---	1.000000	---	1.00

reviewed  
by  
ms  
7/17/09

Sample List: C:\MassLynx\Default pro\Sampled5\16JL0910D5 SPL  
 Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
 Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:2	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	1	2	100	100
Tray1:3	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	5	10	100	100
Tray1:4	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:5	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	200	400	100	100
Tray1:6	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	500	1000	100	100
Tray1:7	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:10	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:11	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:16	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---

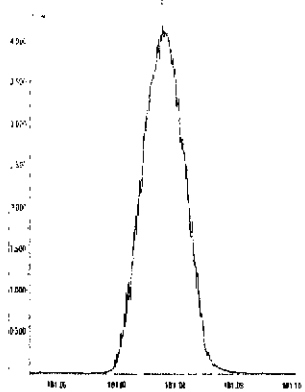
Sample List C:\MassLynx\Default pro\Samples\16JL0910D5.SPL  
Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Conc E	Conc F	Conc G	Conc H
---	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
---	---	---	---
2000	---	---	---
100	---	---	---
---	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
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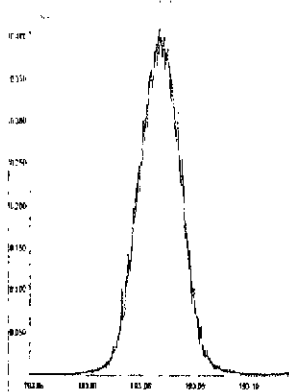
File: Experiment 1668M10D5 exp Reference pk ref Function: 1 @ 200 (ppm)

Printed Thursday, July 16, 2009 11:39:57 Pacific Daylight Time

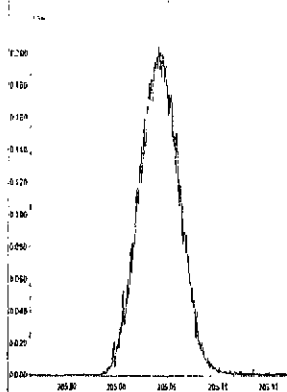
M 180.9888 R 11493



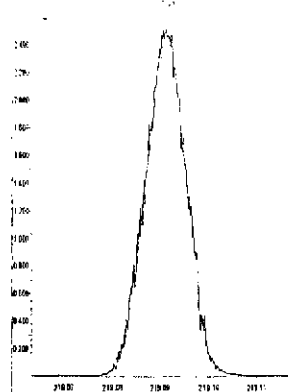
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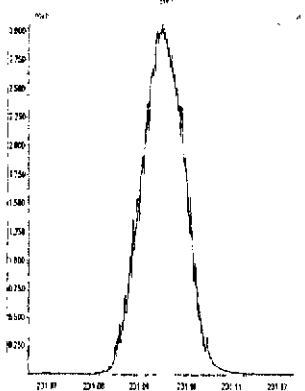
M 204.9888 R 11494



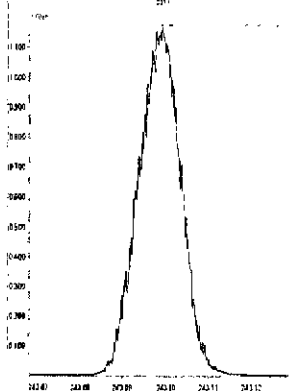
M 218.9856 R 11766



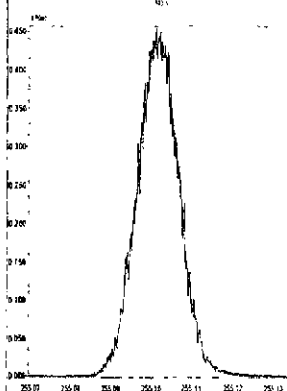
M 230.9856 R 11236



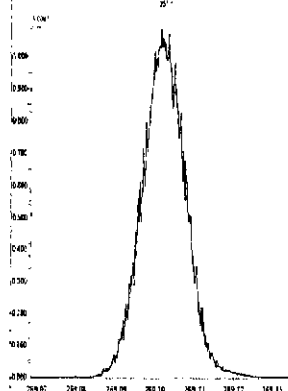
M 242.9856 R 11235



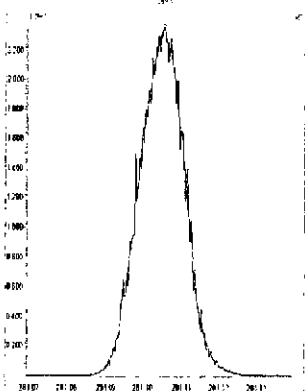
M 254.9856 R 11172



M 268.9824 R 10692



M 280.9824 R 10308

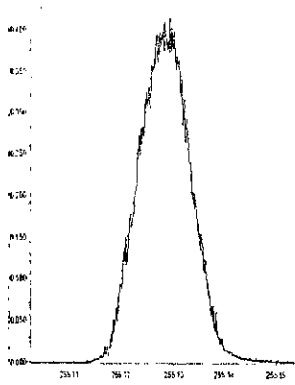




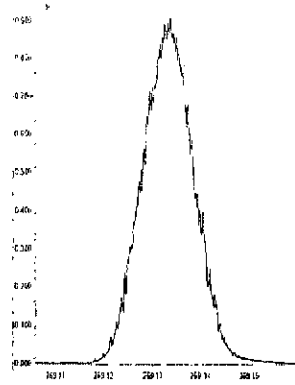
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Printed Thursday, July 15, 2009 11:40:41 Pacific Daylight Time

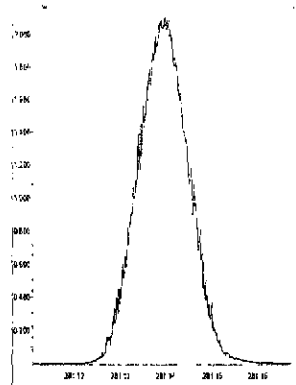
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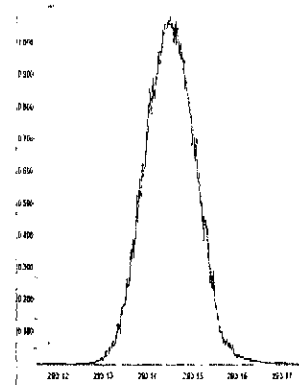
M 268.9824 R 11420



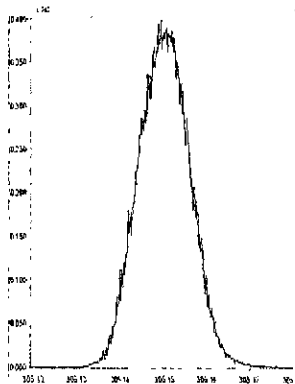
M 280.9824 R 11113



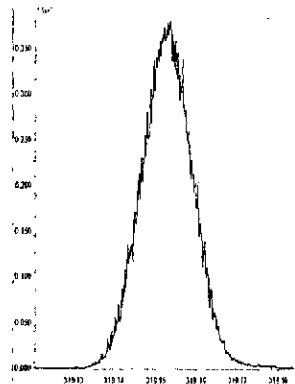
M 292.9824 R 11211



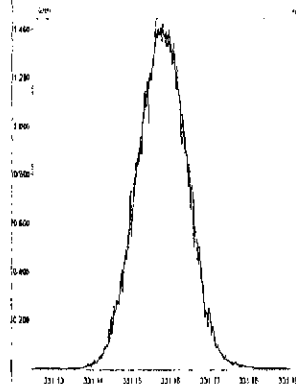
M 304.9824 R 11159



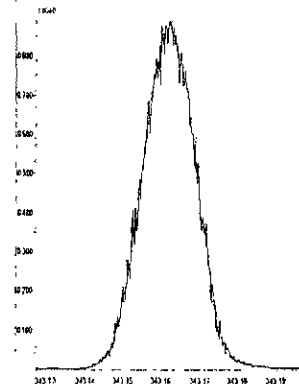
M 318.9792 R 11059



M 330.9792 R 11063



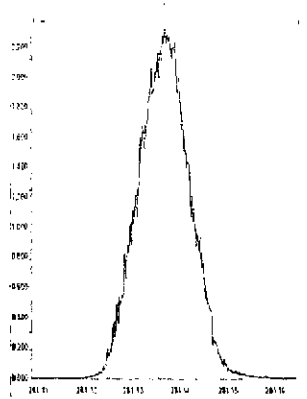
M 342.9792 R 11260



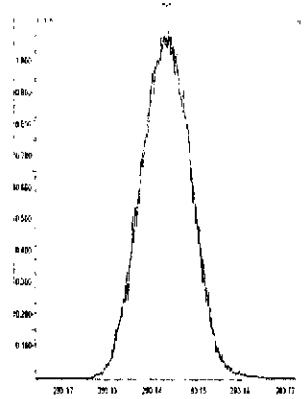
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Printed: Thursday, July 16, 2009 11:41:17 Pacific Daylight Time

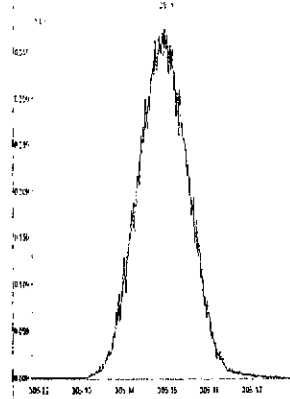
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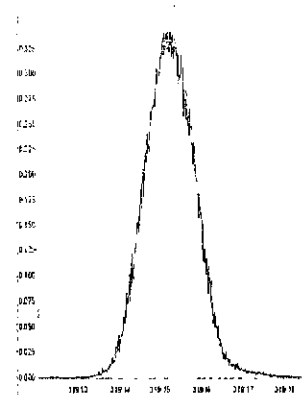
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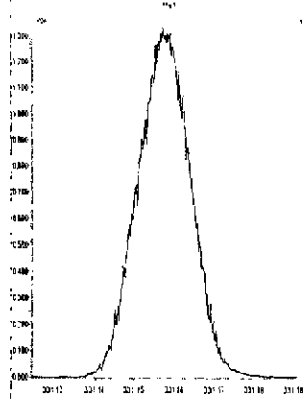
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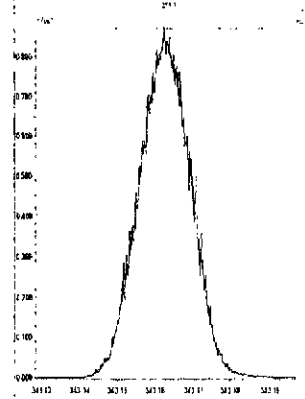
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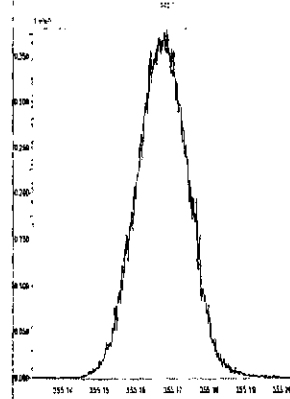
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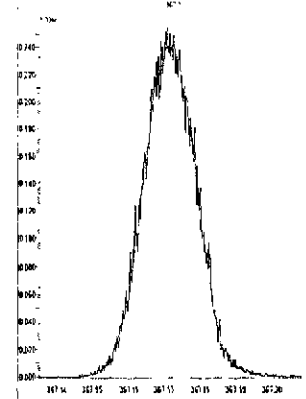
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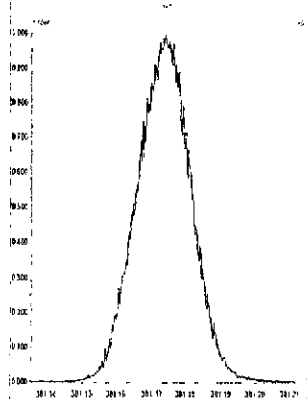
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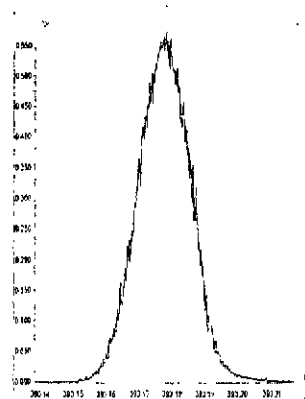
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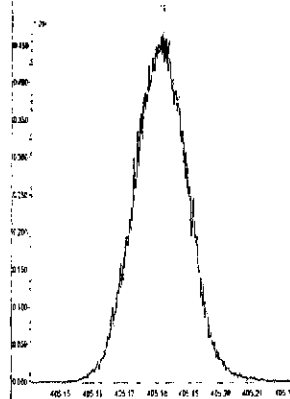
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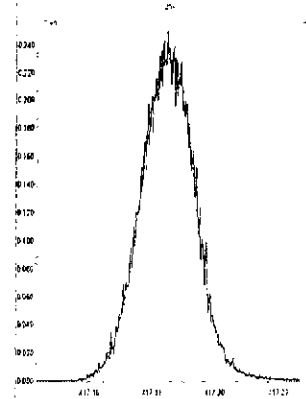
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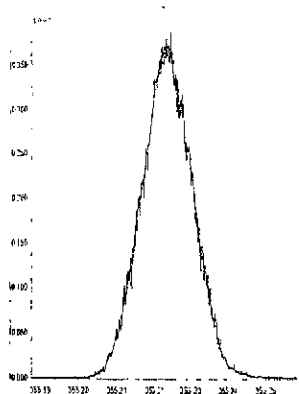
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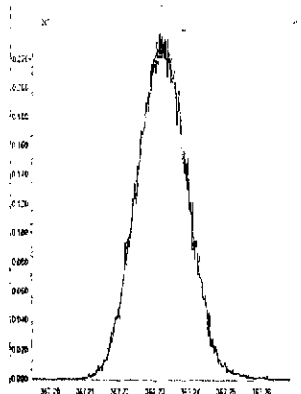
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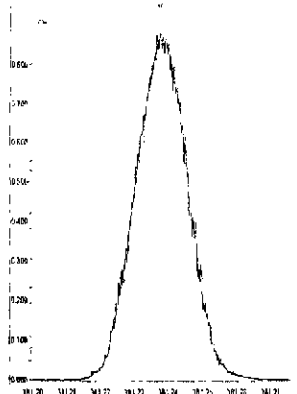
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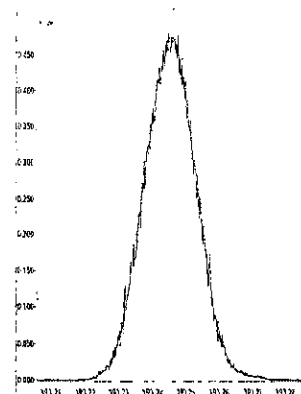
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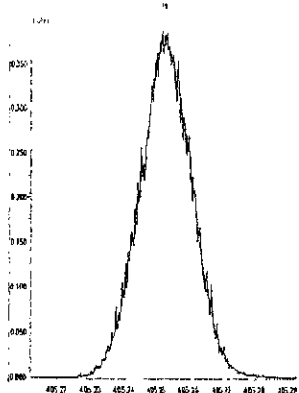
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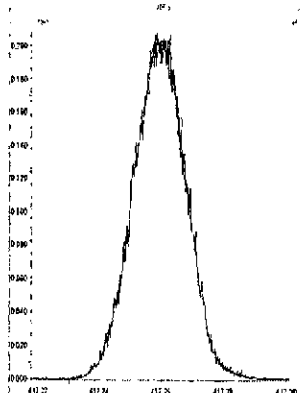
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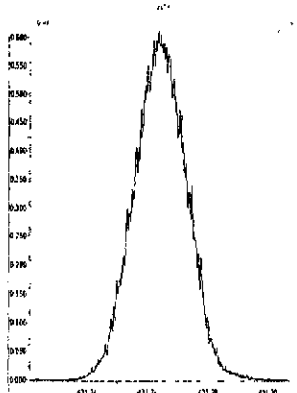
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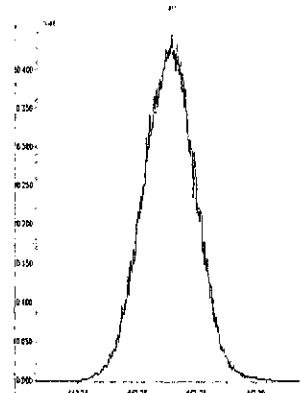
M 416.9760 R 10636



M 430.9728 R 10918



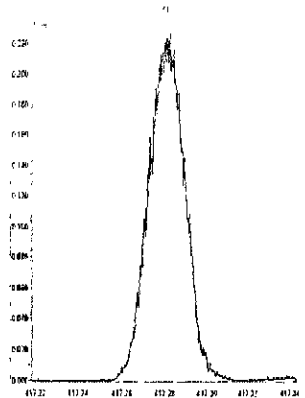
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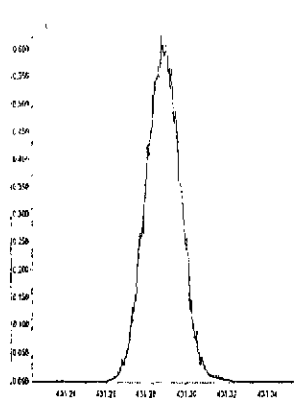
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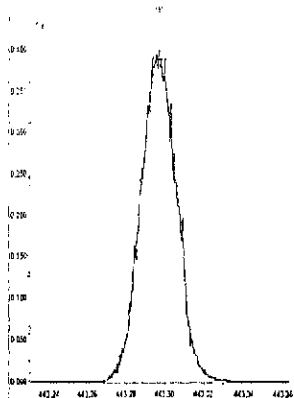
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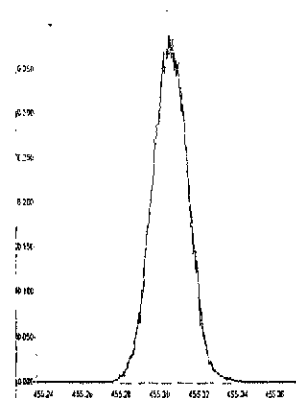
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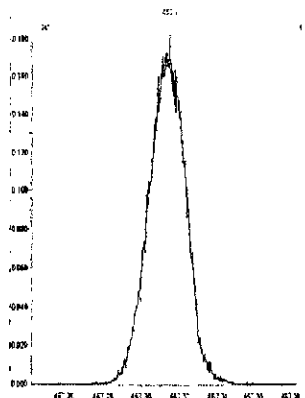
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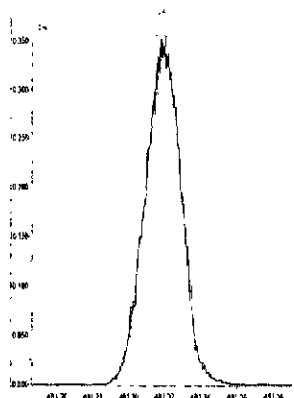
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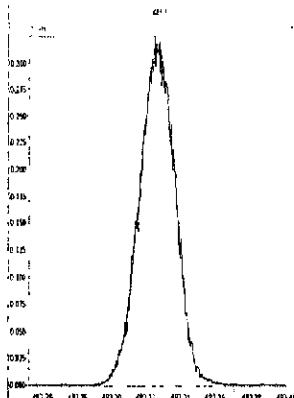
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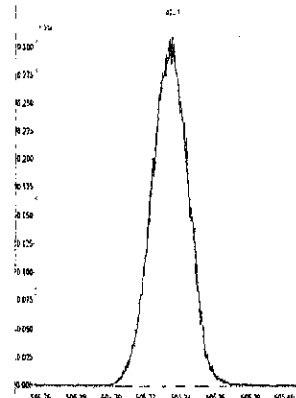
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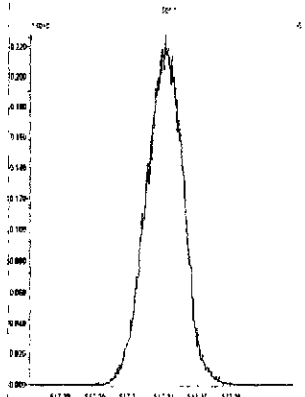
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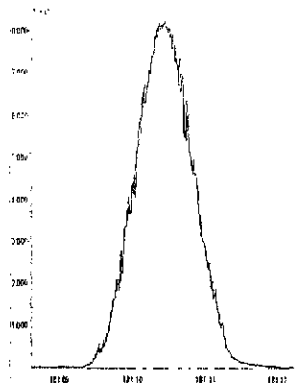
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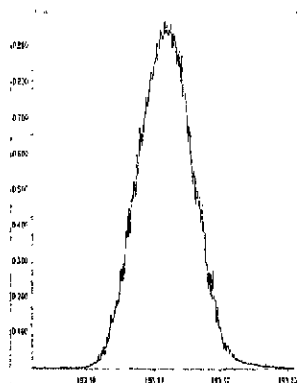
File: Experiment: 1668M10D5.exp Reference: pk.ref Function 1 @ 200 (ppm)

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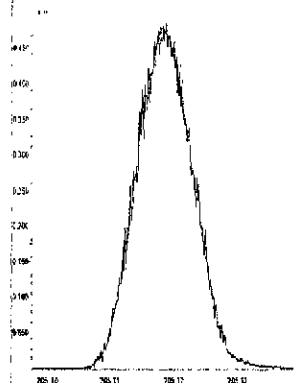
M 180.9888 R 10459



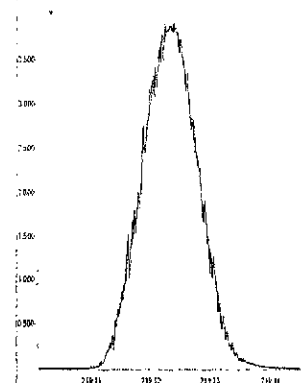
M 192.9888 R 10504



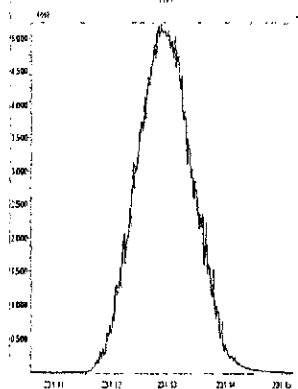
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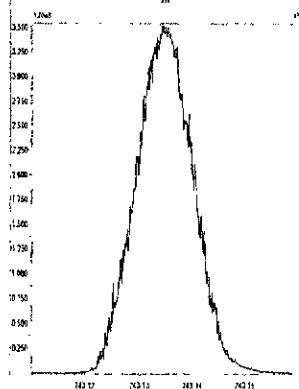
M 218.9856 R 10330



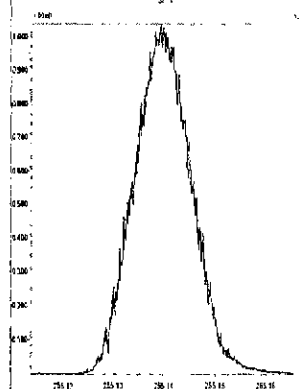
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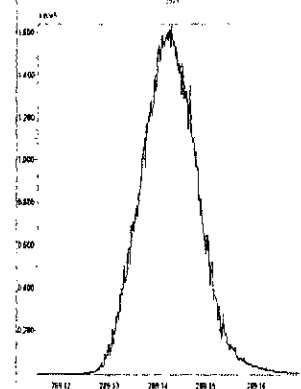
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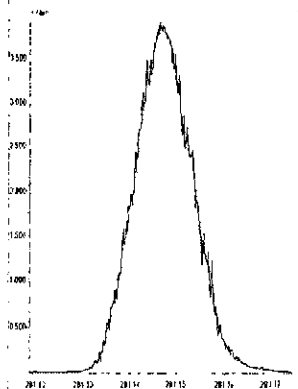
M 254.9856 R 10246



M 268.9824 R 10039



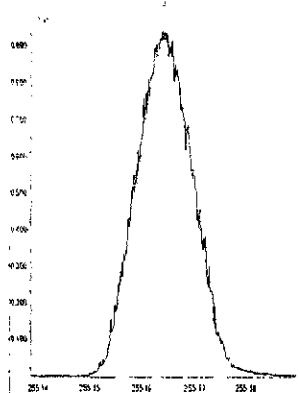
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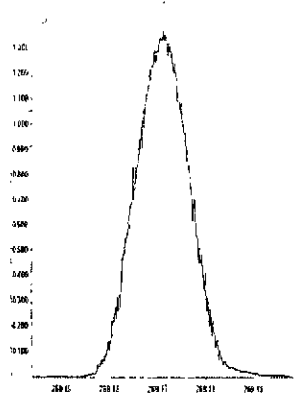
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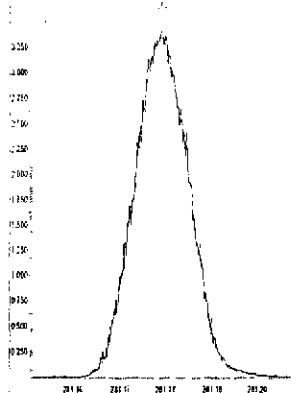
M 254.9856 R 10777



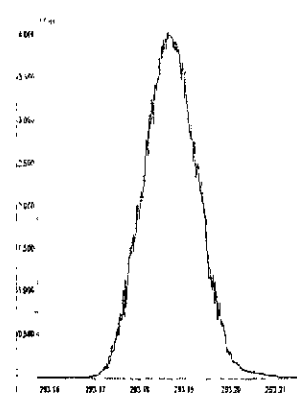
M 268.9824 R 10965



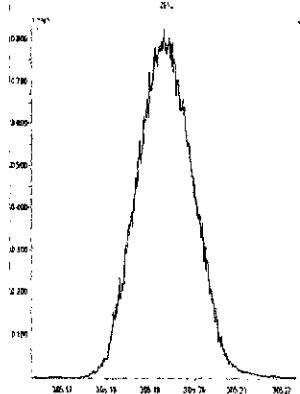
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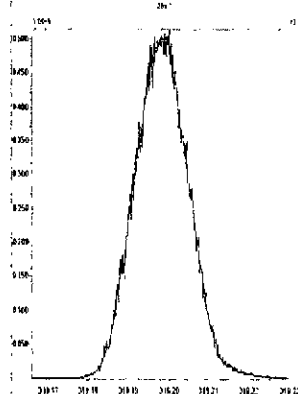
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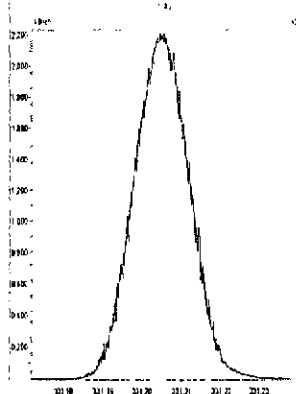
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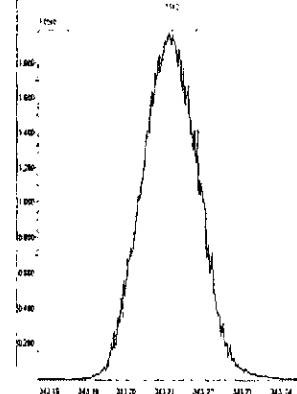
M 318.9792 R 10592



M 330.9792 R 10872



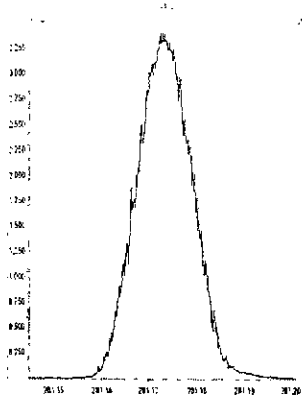
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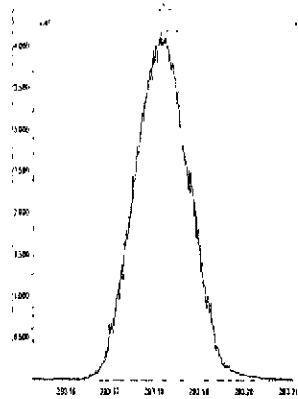
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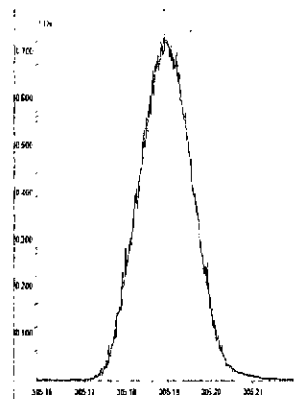
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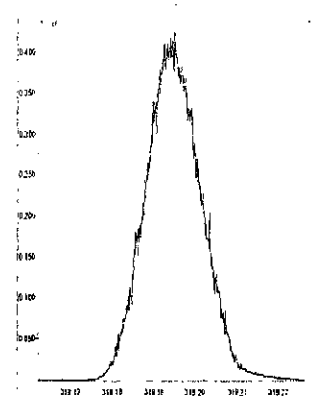
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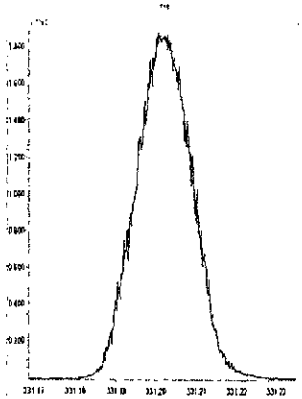
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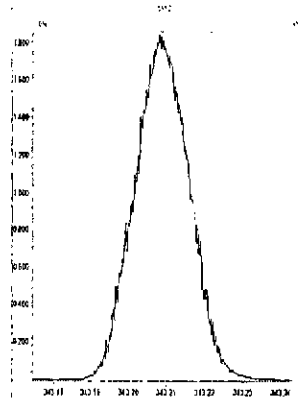
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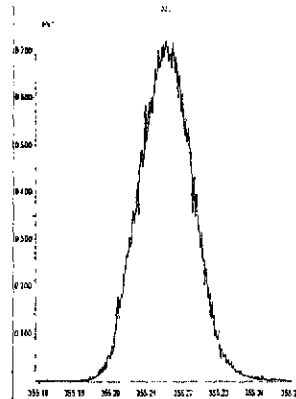
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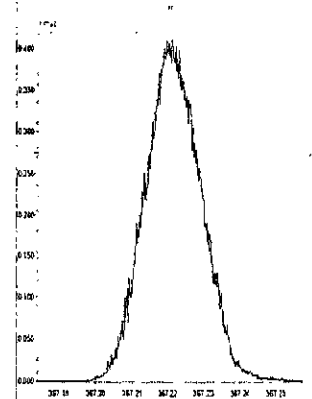
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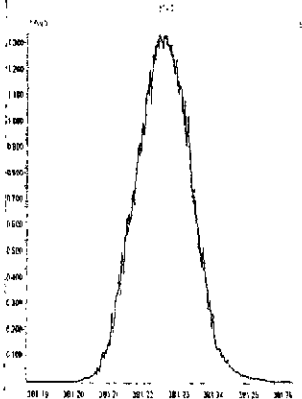
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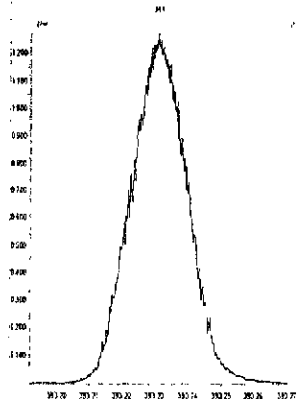
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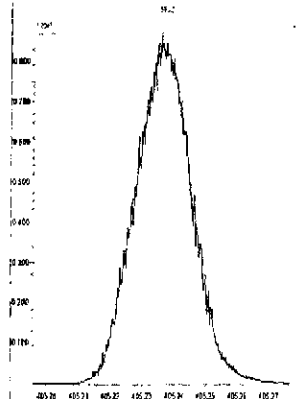
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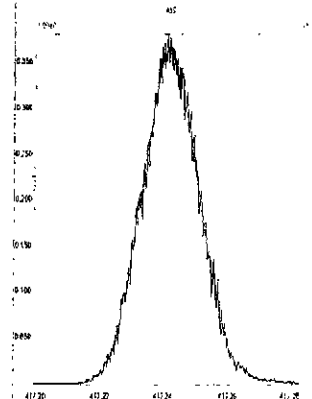
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M 404.9760 R 10124



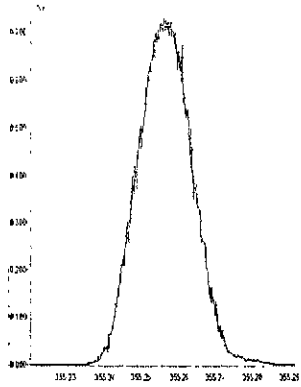
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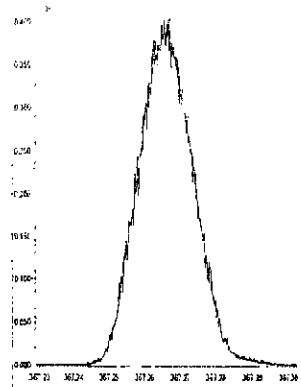
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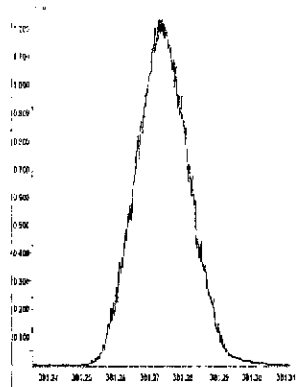
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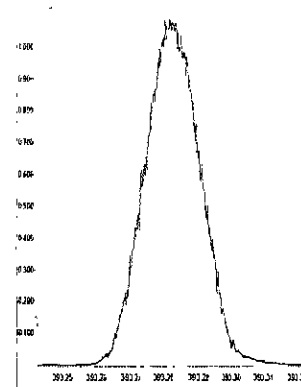
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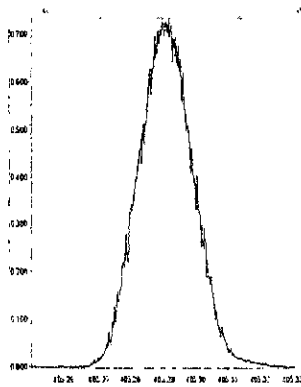
M 380.9760 R 10915



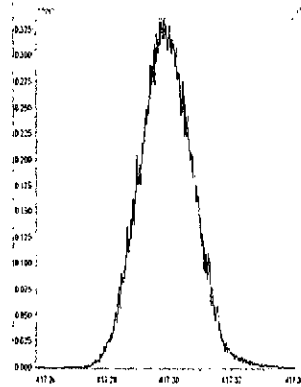
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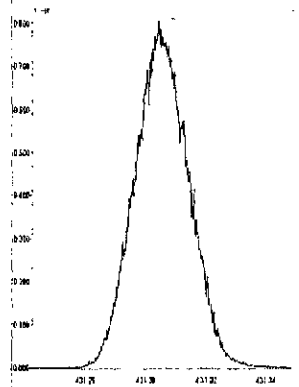
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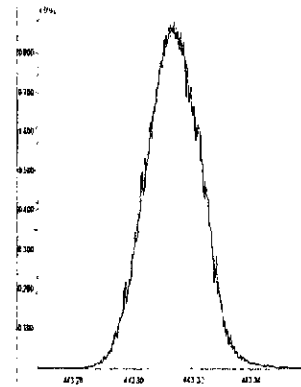
M 416.9760 R 10728



M 430.9728 R 10415



M 442.9728 R 10639

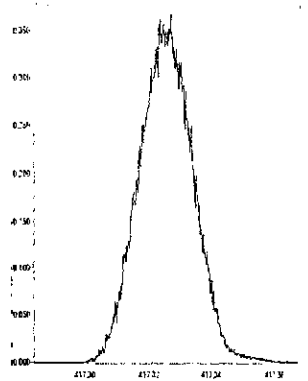




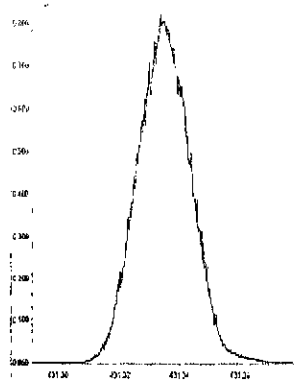
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Printed Thursday, July 16, 2009 20 34 38 Pacific Daylight Time

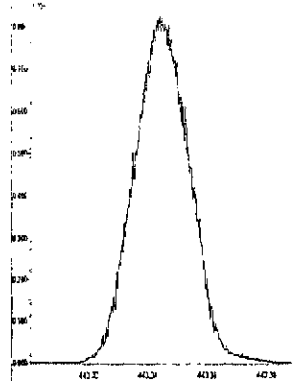
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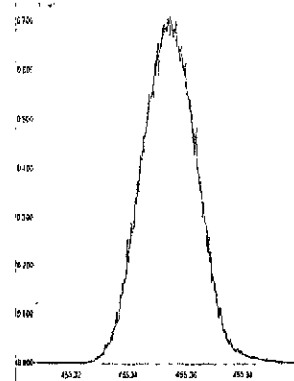
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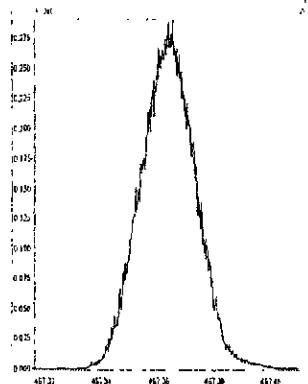
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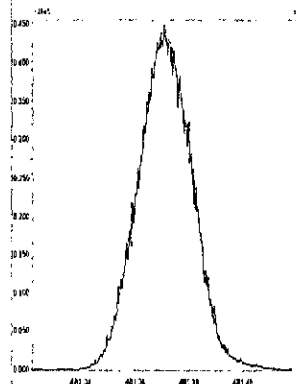
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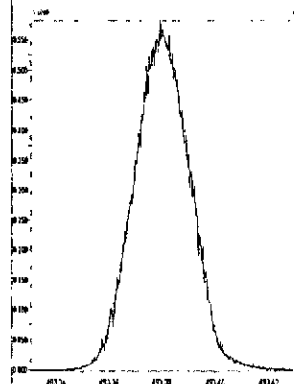
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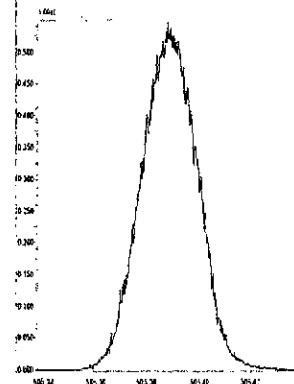
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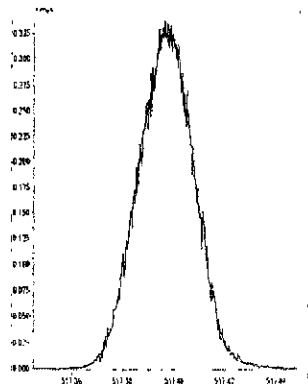
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M 504.9696 R 10638



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Quantity Sample Report      MassLynx 4.1

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Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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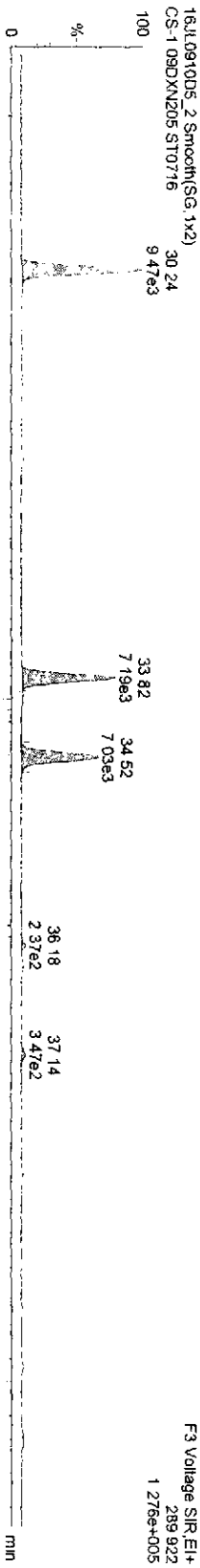
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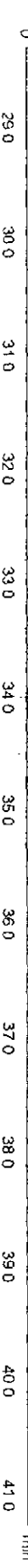
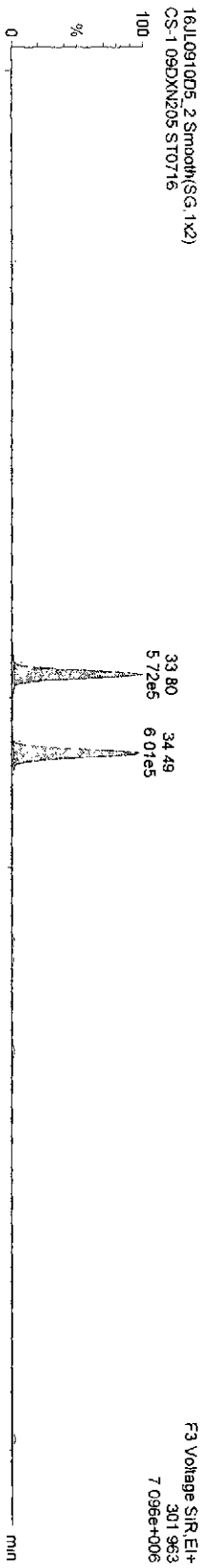
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**TetraPCBs**



**13C-TetraPCBs**

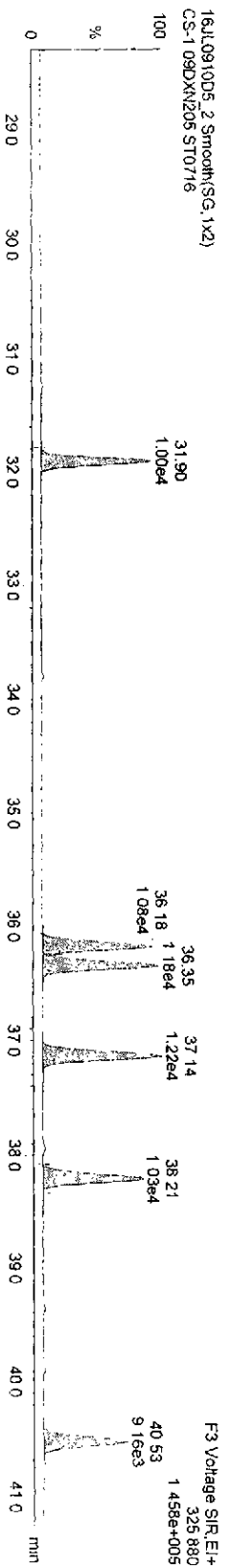
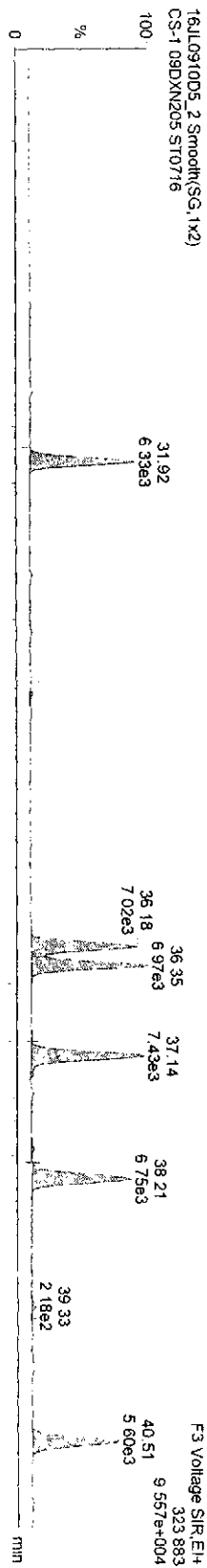


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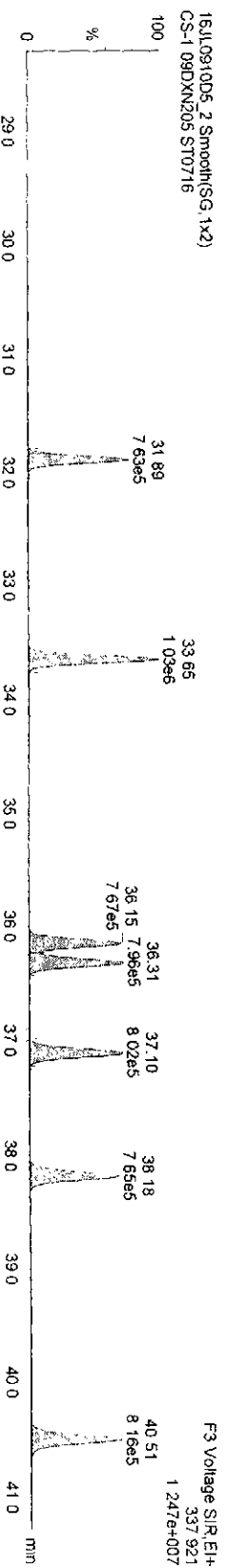
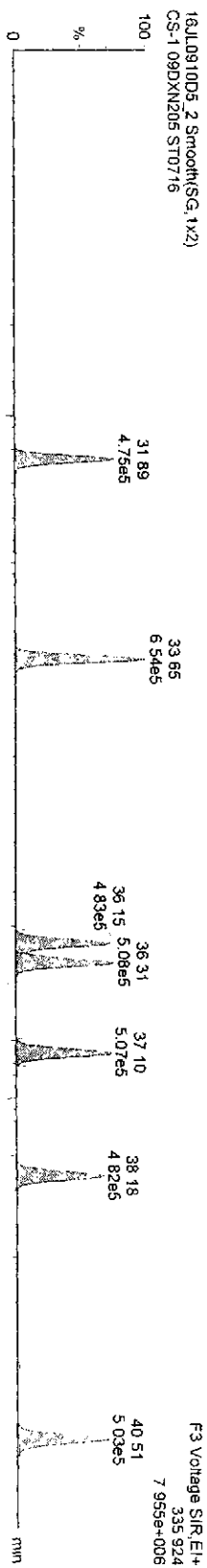
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

PePCBs



13C-PePCBs

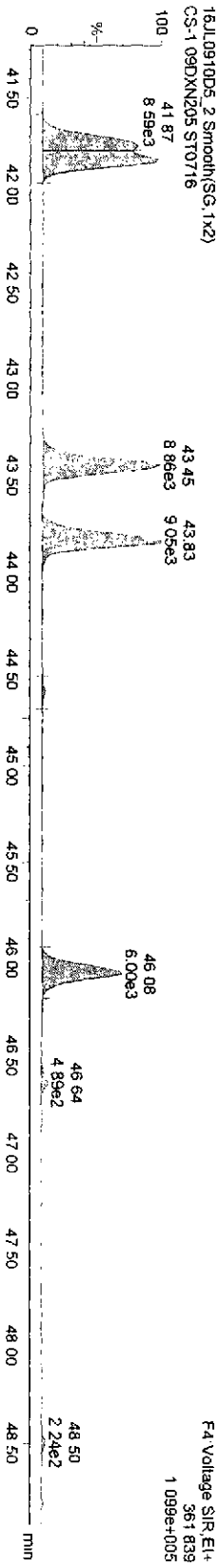
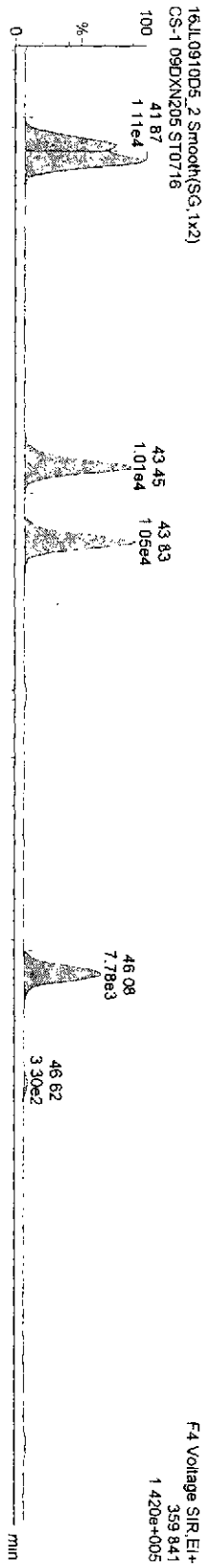


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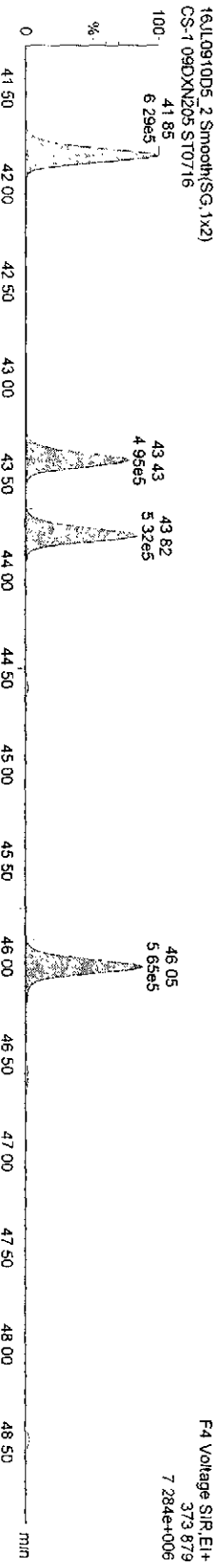
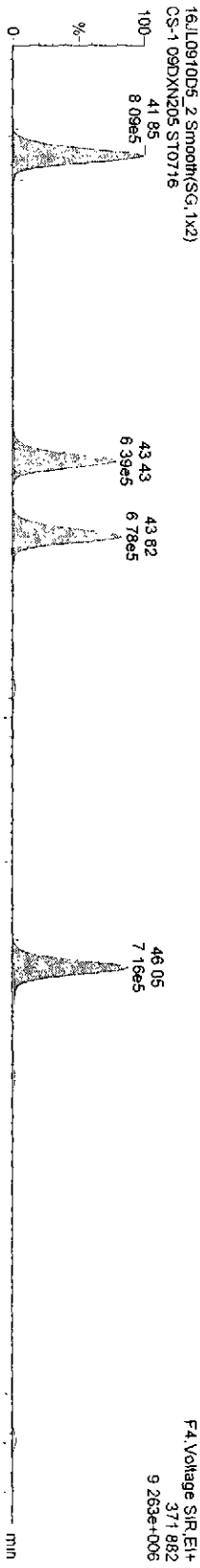
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HxPCBs-



13C-HxPCBs



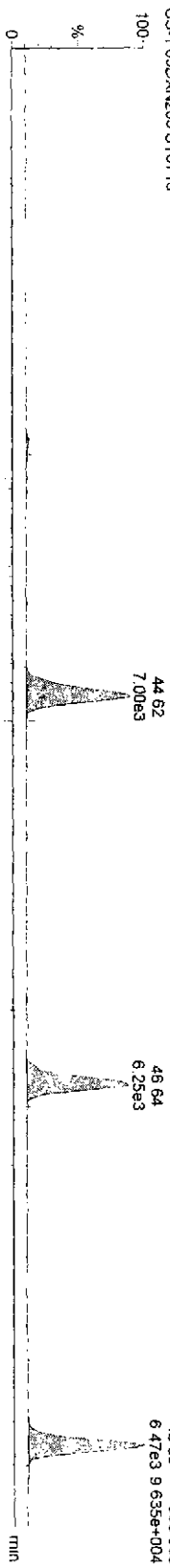
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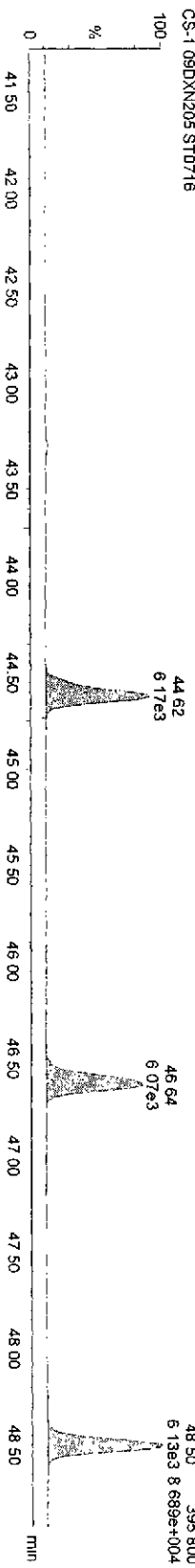
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**HPCBs**

16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716

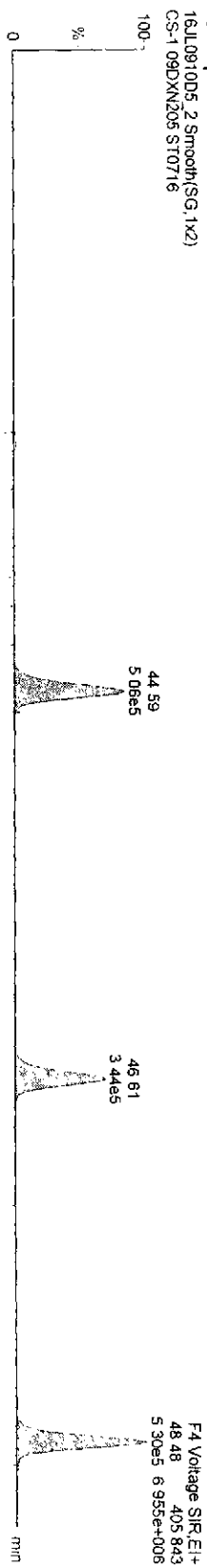


16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716

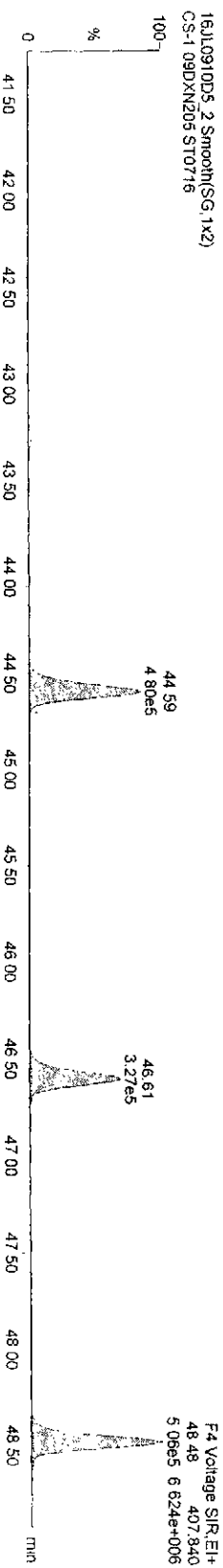


**13C-HPCBs**

16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716

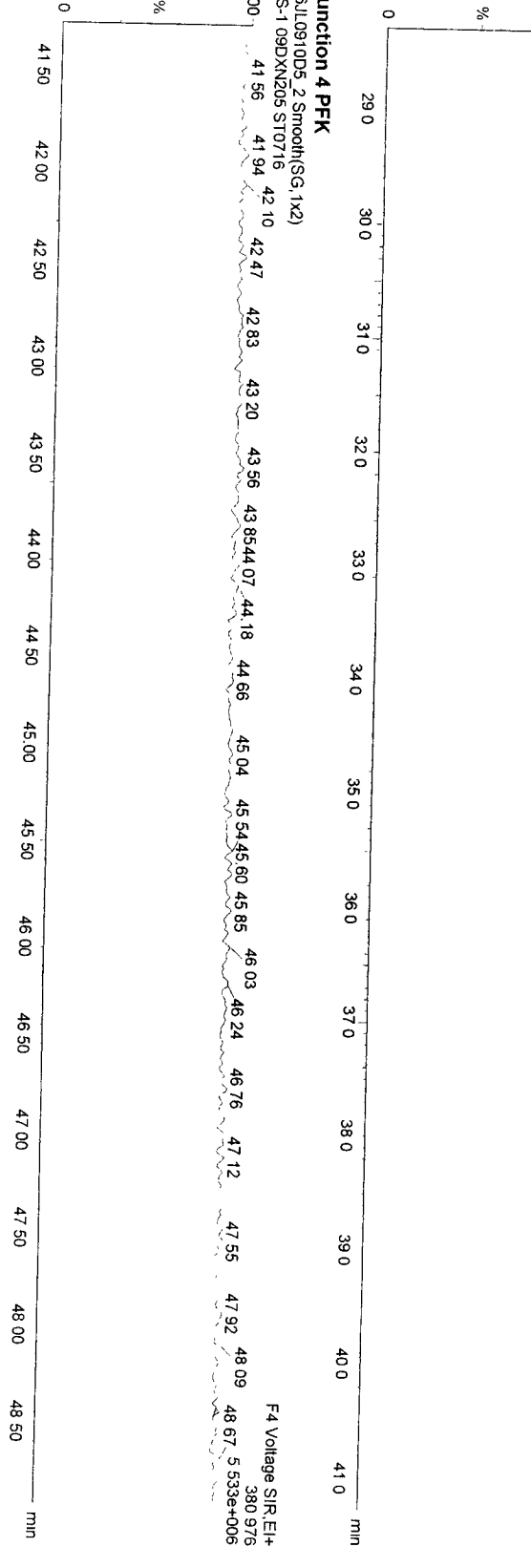
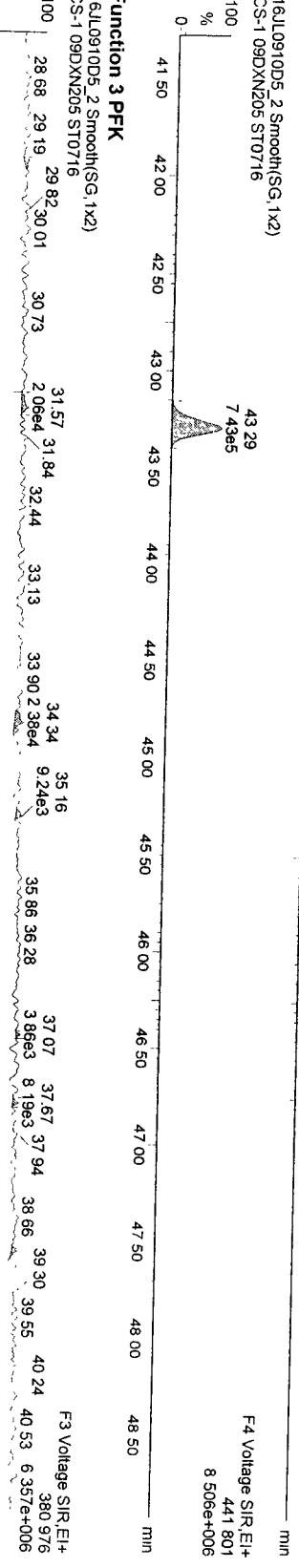
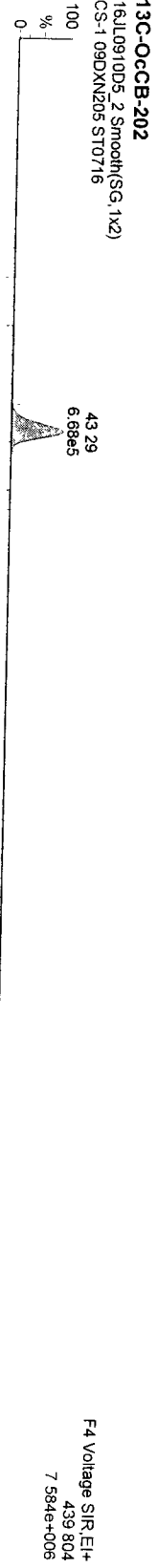


16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



Dataset C:\MassLynx\Default pro\ICA0716200910D51668MSLDEC.qld  
Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205



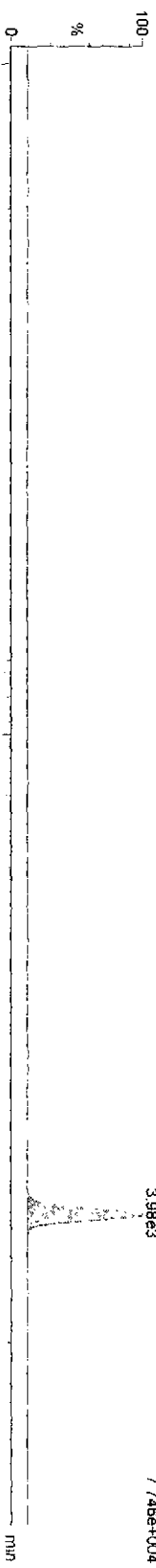
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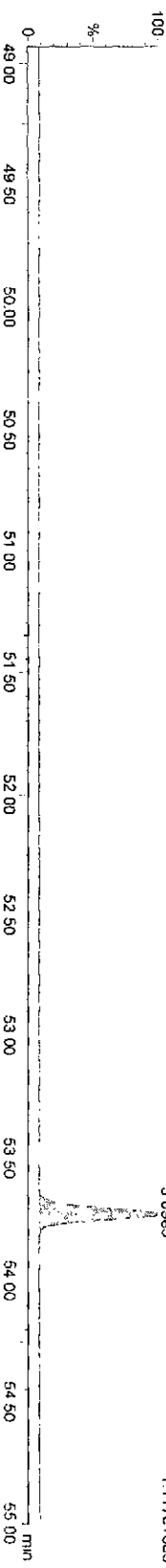
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**DecB-209**

16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716

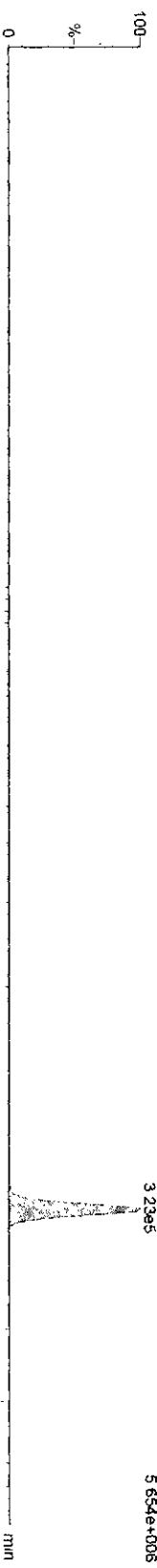


16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716

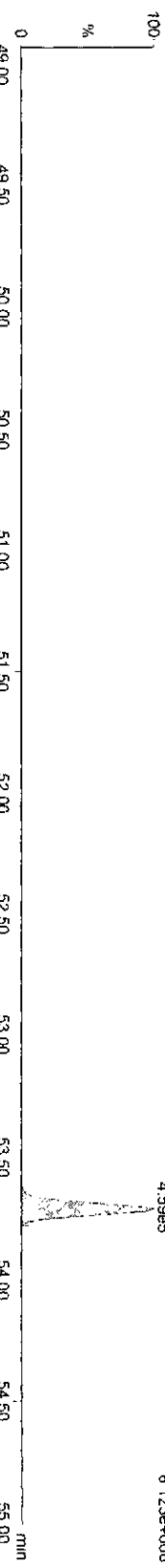


**13C-DecB-209**

16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



FS Voltage SIR\_EI+  
509 723  
8 123e+006

FS Voltage SIR\_EI+  
507 726  
5 654e+006

FS Voltage SIR\_EI+  
497 683  
1.117e+005

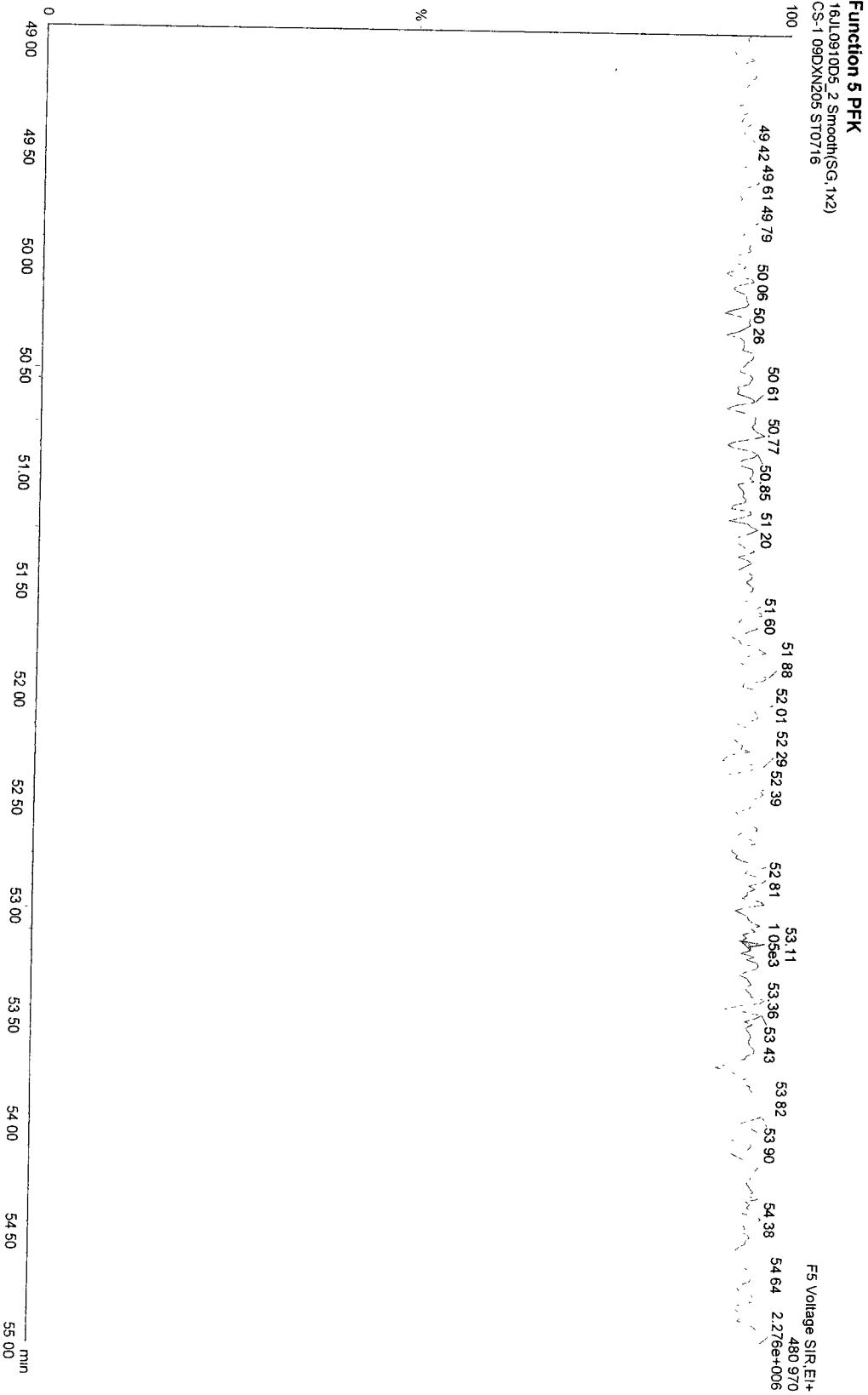
FS Voltage SIR\_EI+  
495 686  
7 746e+004



Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205



Quantity Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default pro\CA0716200910D51668MSLDEC.qld

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Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

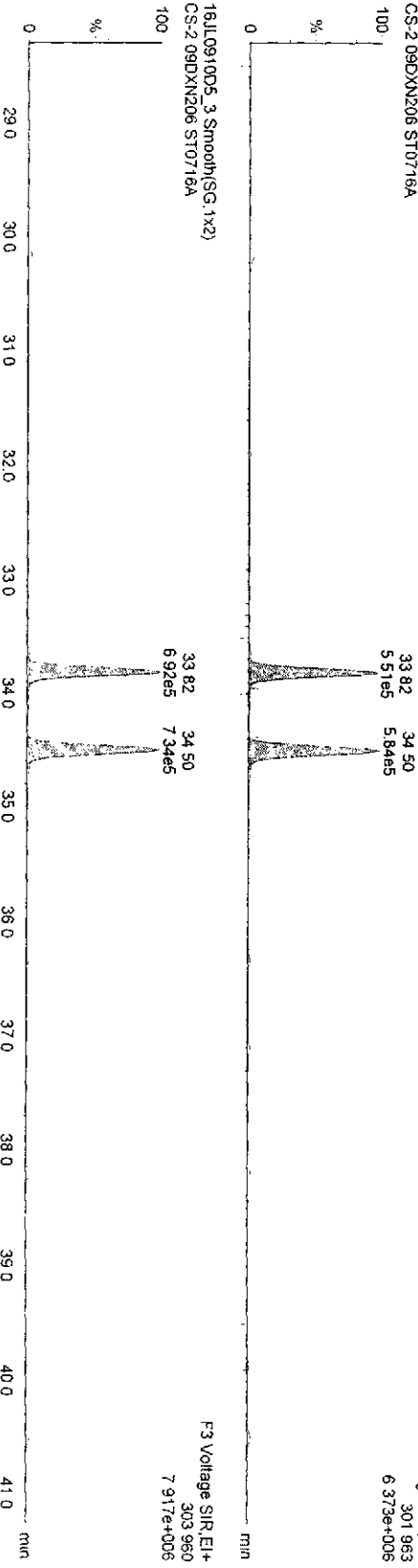
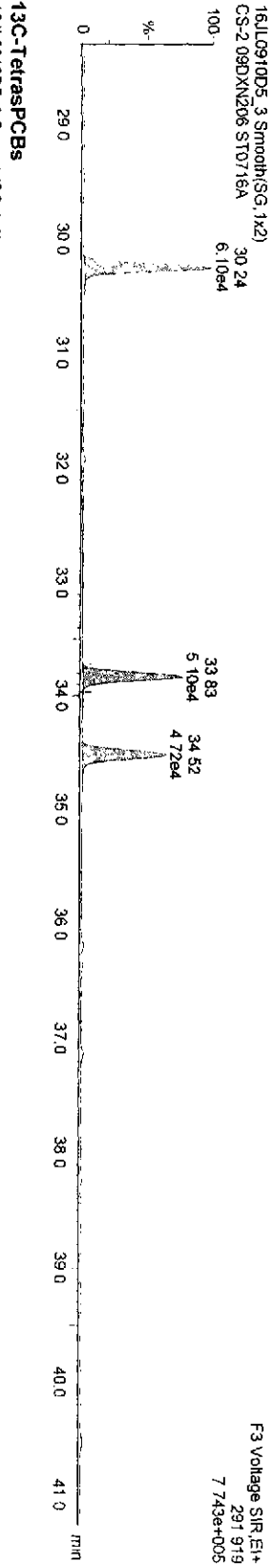
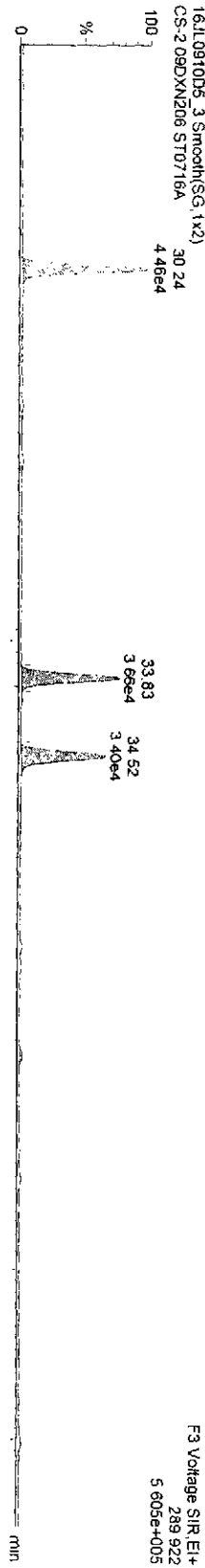
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Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

**TetraPCBs**

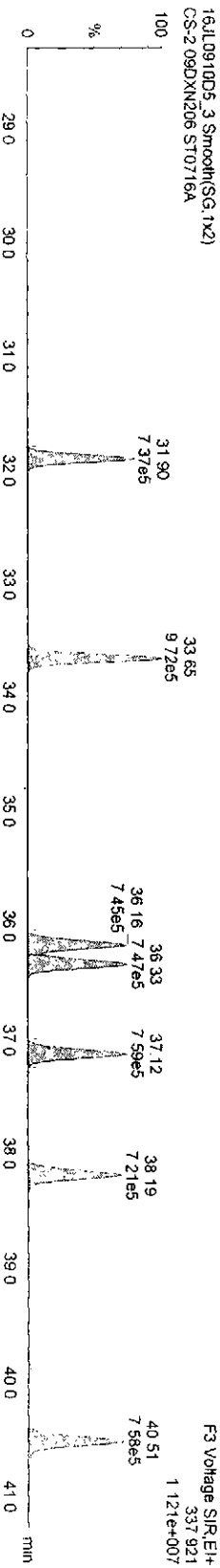
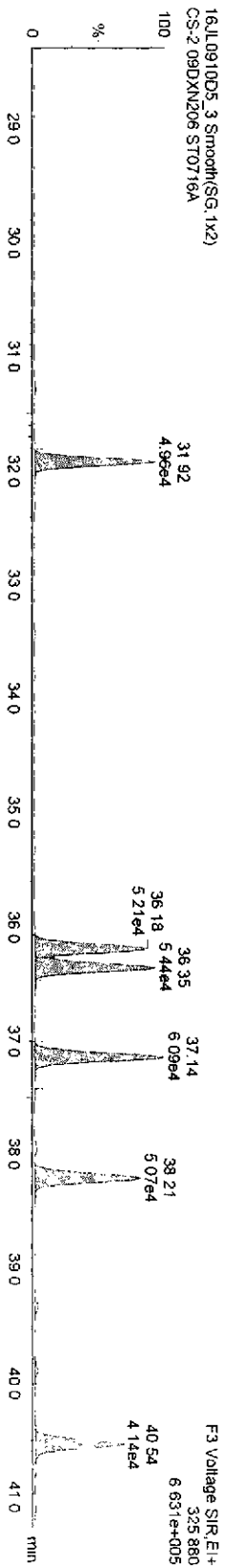


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

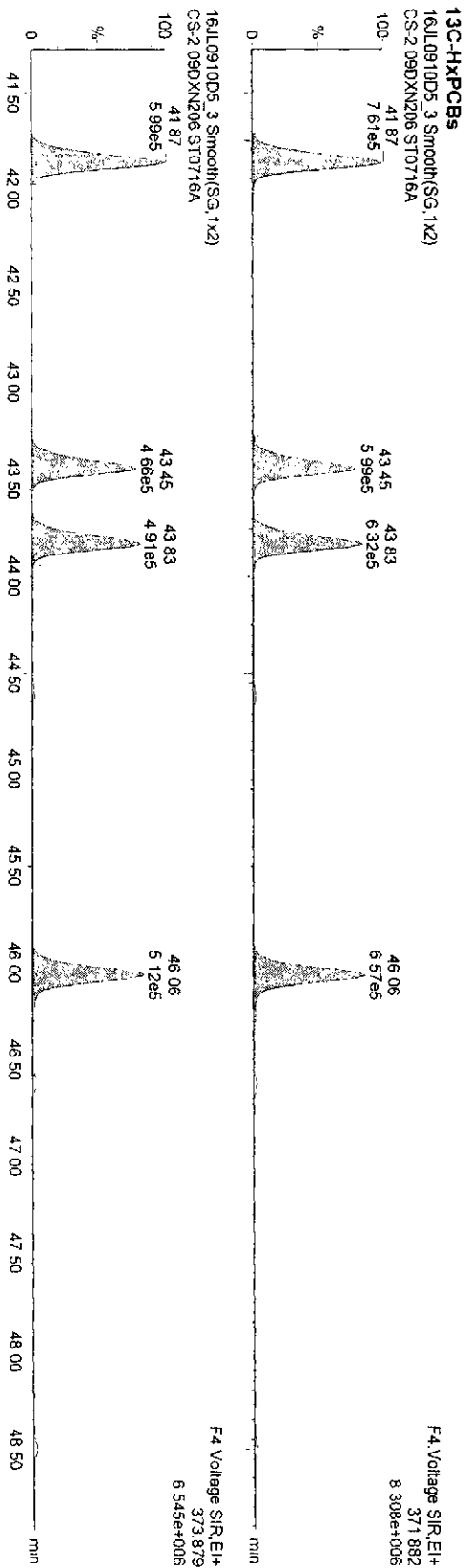
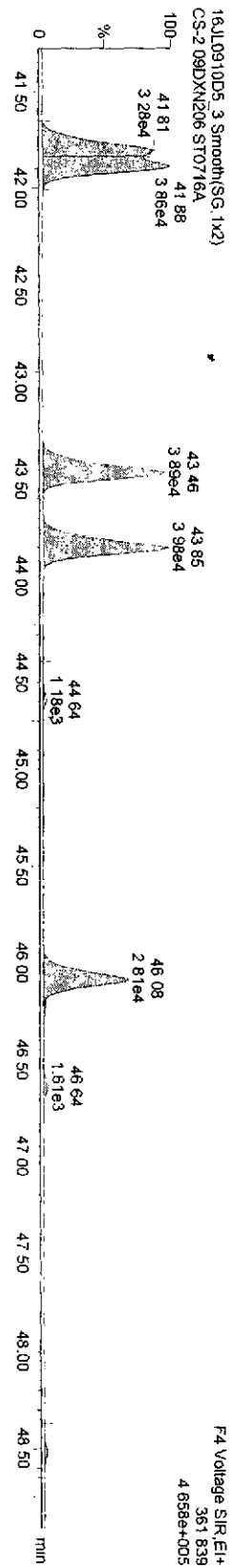
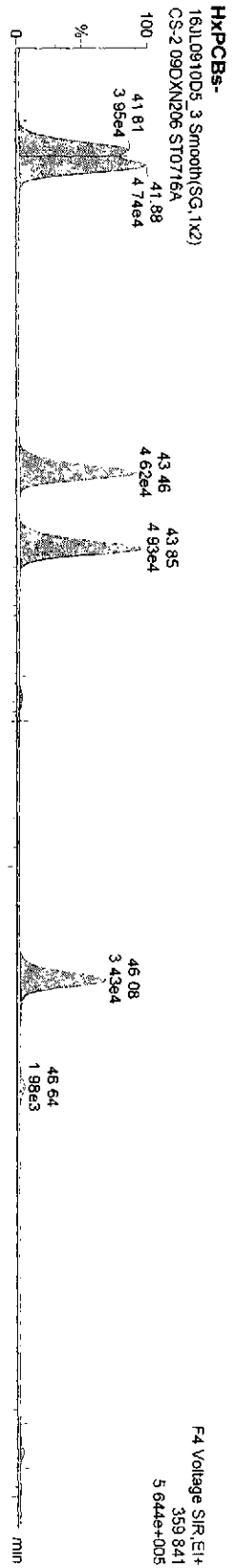
PePCBs



Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206



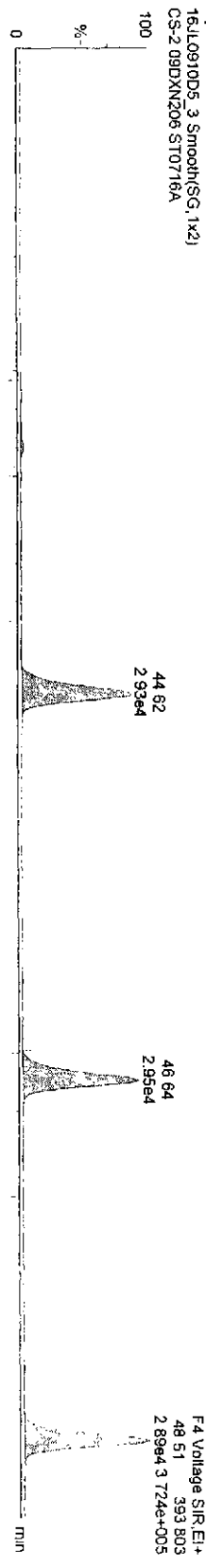
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

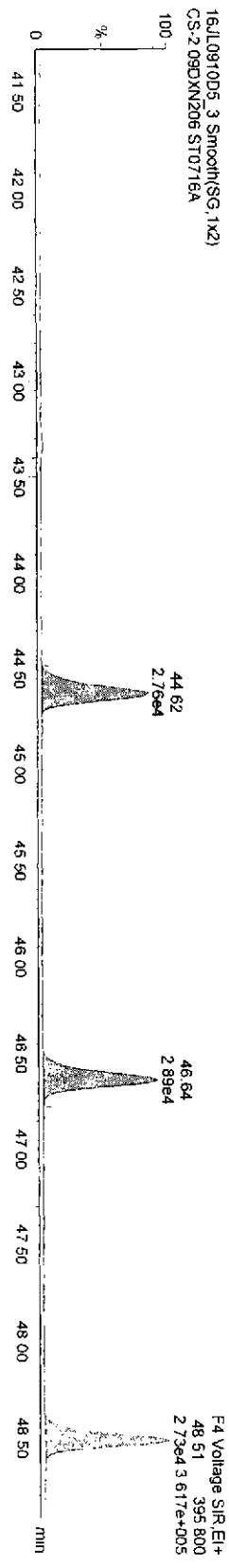
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HPPCBs

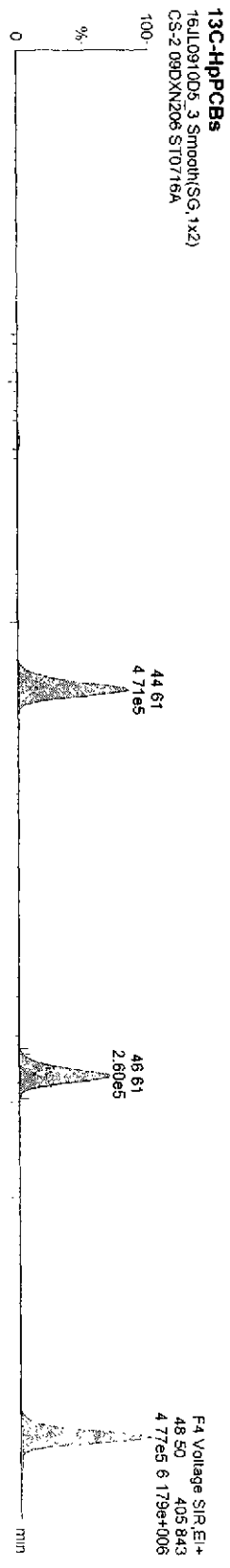
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CS-2-09DXN206 ST0716A



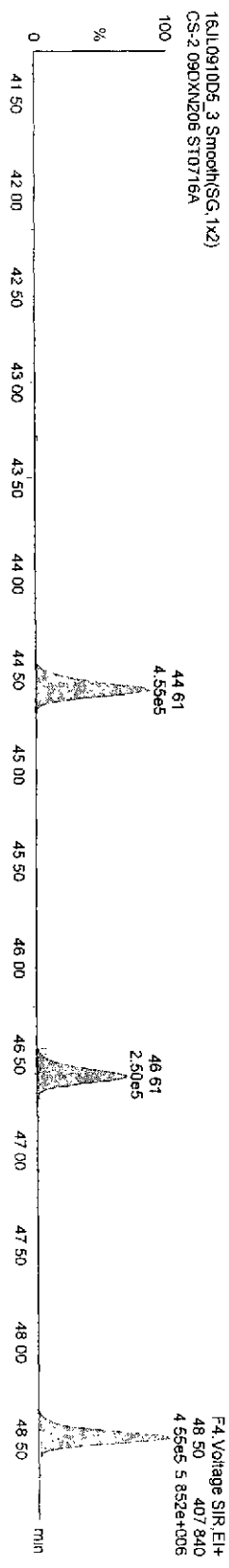
16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A



13C-HPPCBs  
16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A



16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A



Quantity Sample Report MassLynx 4.1

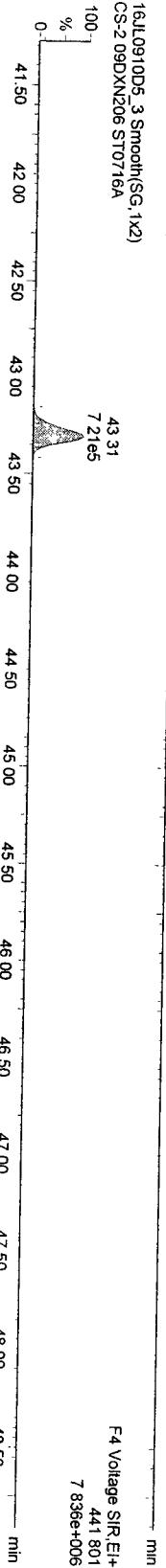
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
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Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

13C-OcCB-202

16JL0910D5\_3 Smooth(SG, 1x2)  
 CS-2-09DXN206 ST0716A

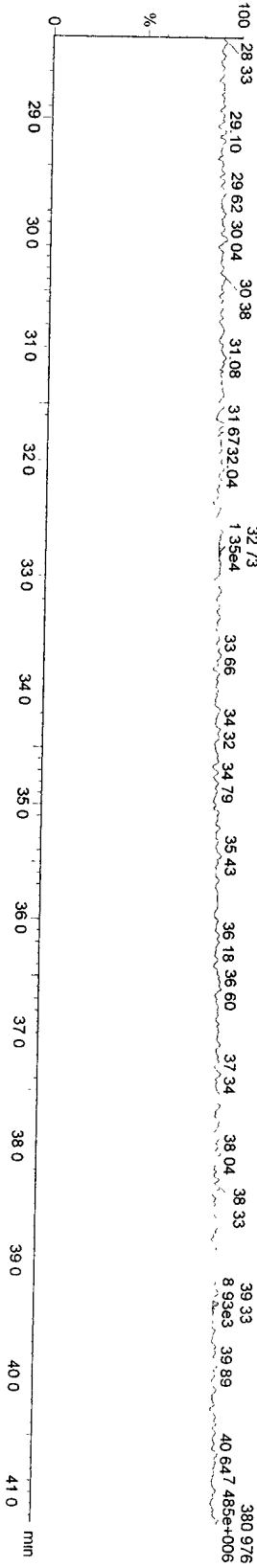


F4 Voltage SIR.EI+  
 439.804  
 6.967e+006

F4 Voltage SIR.EI+  
 441.801  
 7.836e+006

Function 3 PFK

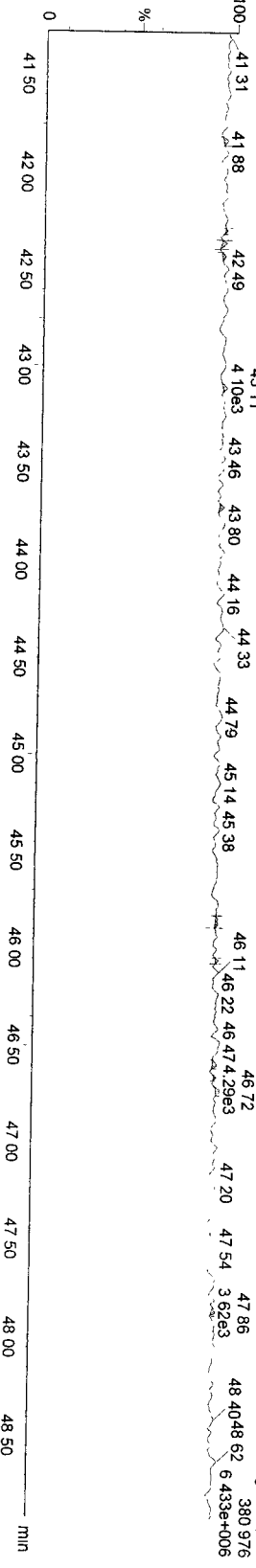
16JL0910D5\_3 Smooth(SG, 1x2)  
 CS-2-09DXN206 ST0716A



F3 Voltage SIR.EI+  
 380.976  
 4.85e+006

Function 4 PFK

16JL0910D5\_3 Smooth(SG, 1x2)  
 CS-2-09DXN206 ST0716A



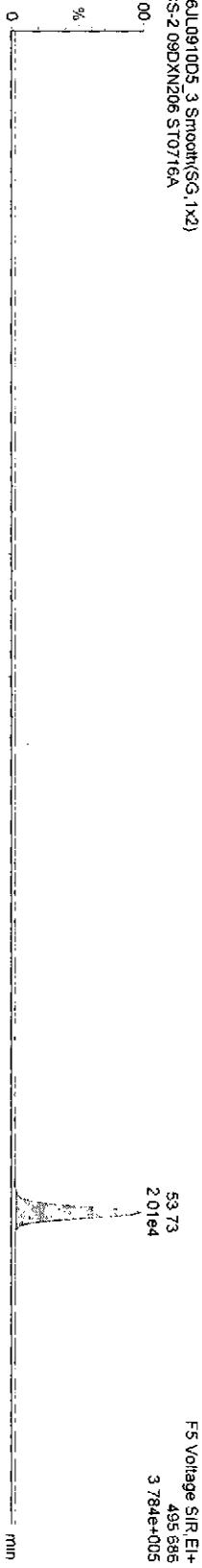
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Dataset C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

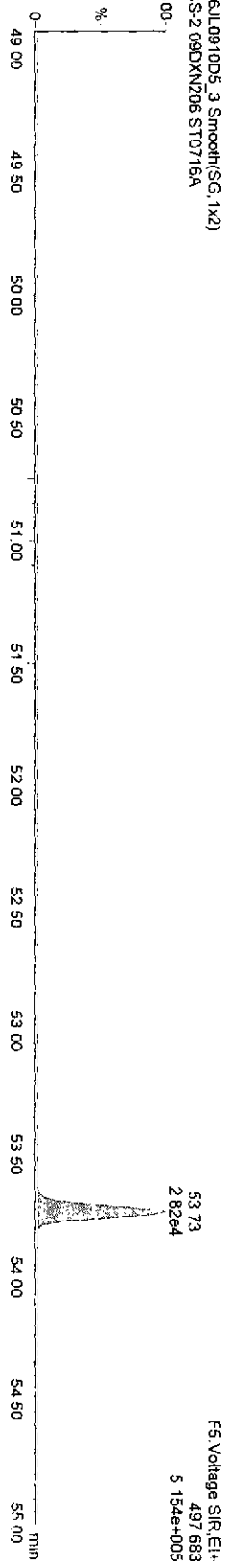
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Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

**DecB-209**  
16JUL0910D5\_3 Smooth(SG,1x2)  
CS-2-09DXN206 ST0716A



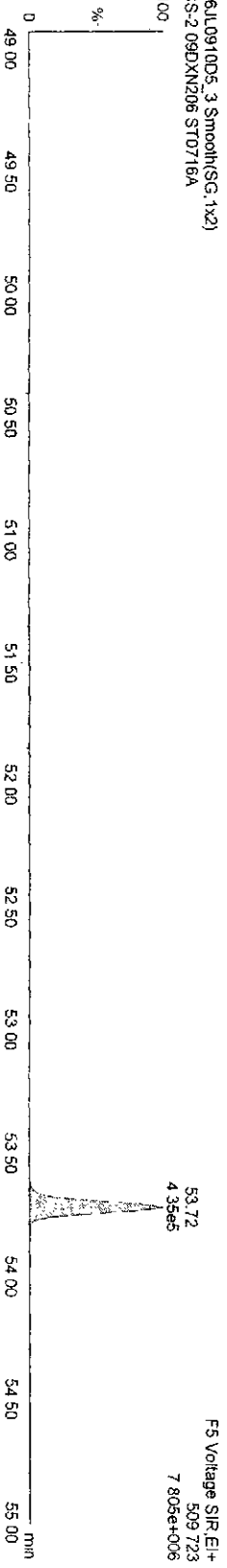
16JUL0910D5\_3 Smooth(SG,1x2)  
CS-2-09DXN206 ST0716A



**13C-DecB-209**  
16JUL0910D5\_3 Smooth(SG,1x2)  
CS-2-09DXN206 ST0716A



16JUL0910D5\_3 Smooth(SG,1x2)  
CS-2-09DXN206 ST0716A



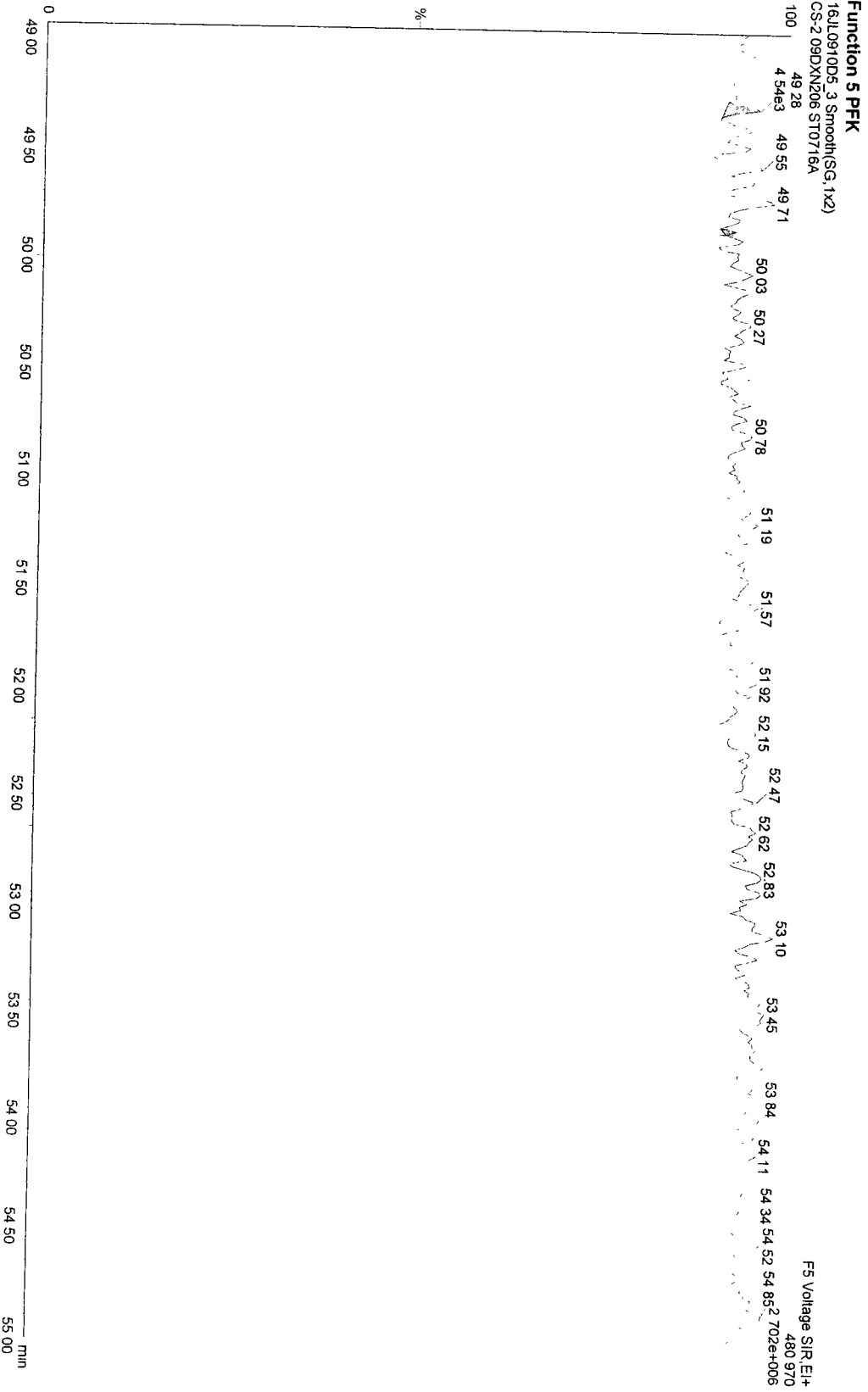


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

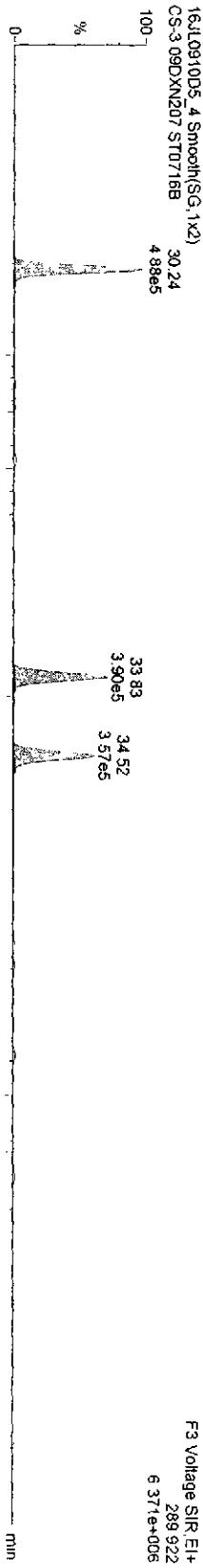
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Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSL\DEC.qld

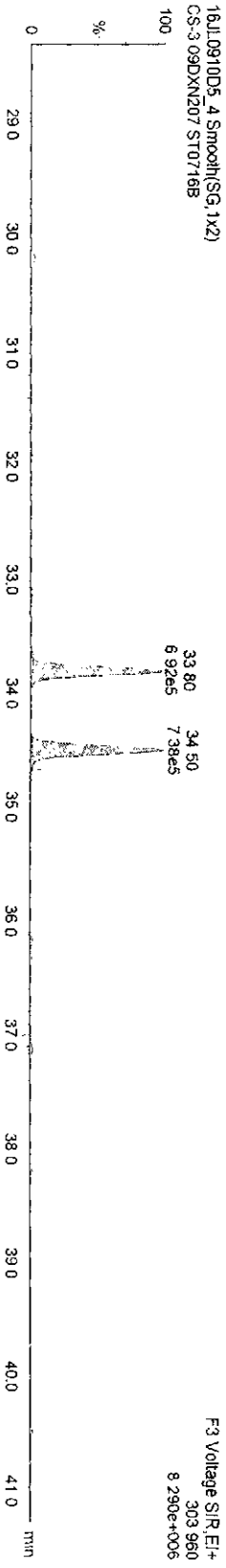
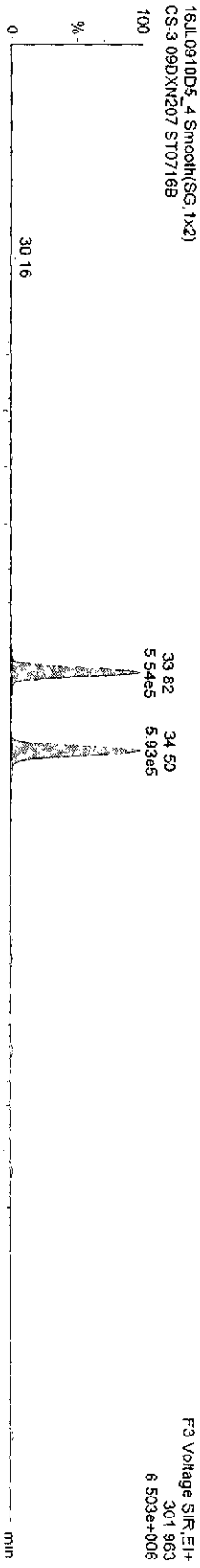
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

TetraPCBs



13C-TetrasPCBs

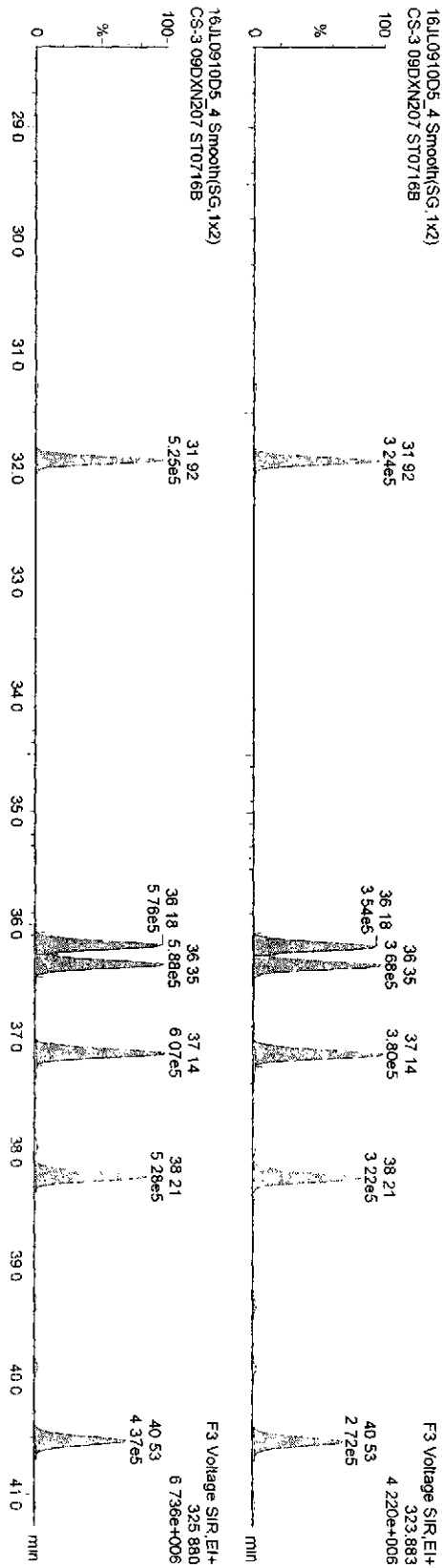


Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

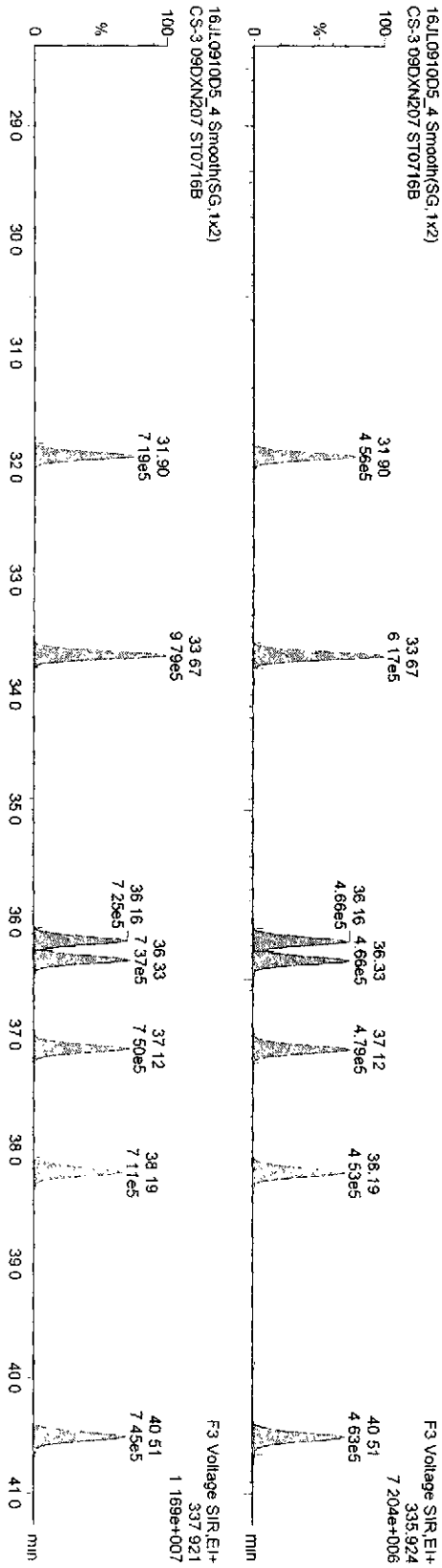
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Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

**PePCBs**



**13C-PePCBs**

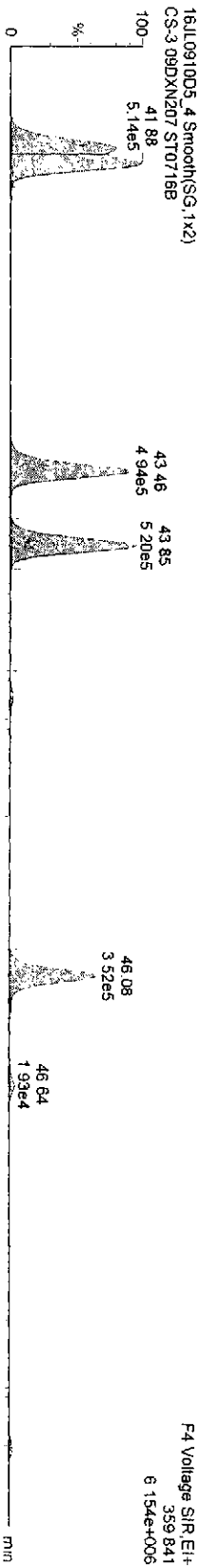


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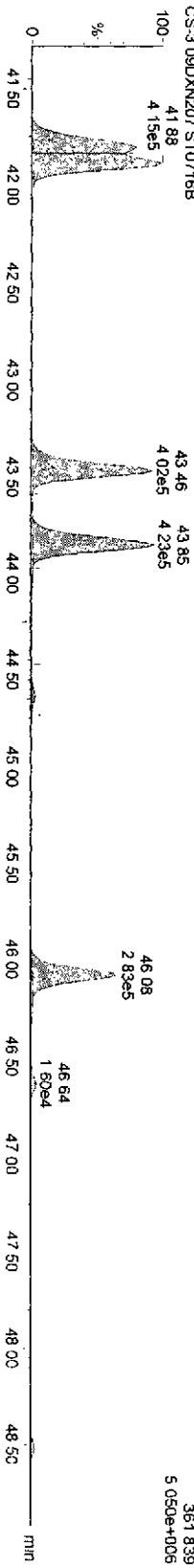
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Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

HxPCBs-



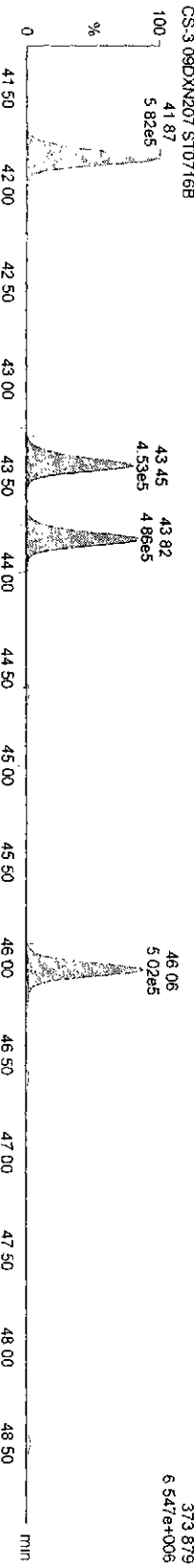
16JUL0910D5\_4 Smooth(SG,1x2)



13C-HxPCBs



16JUL0910D5\_4 Smooth(SG,1x2)



Dataset: C:\Masslynx\Default\prol\CA0716200910D51668MSLDEC.qld

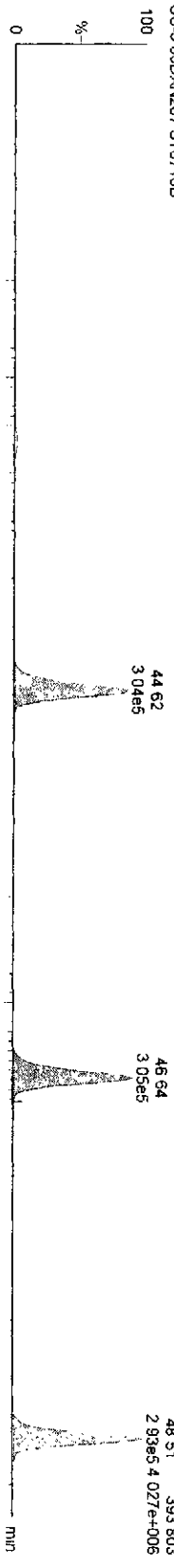
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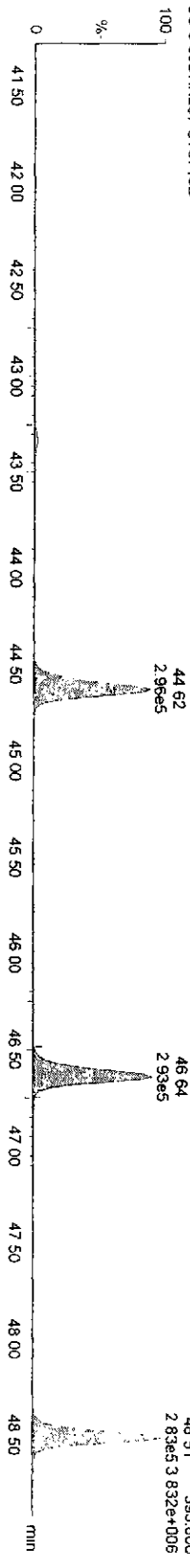
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**HPPCBs**

16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B

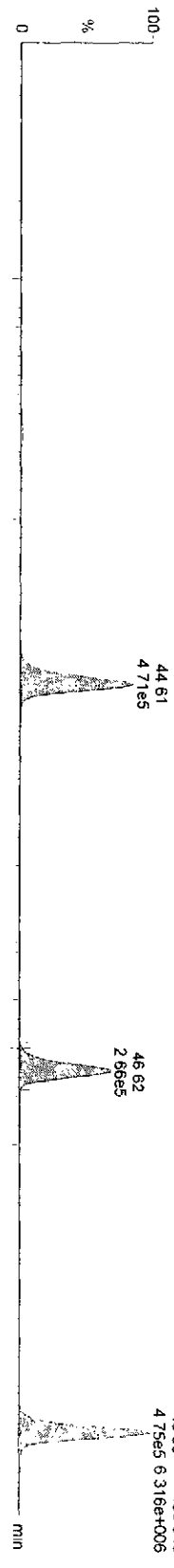


16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B

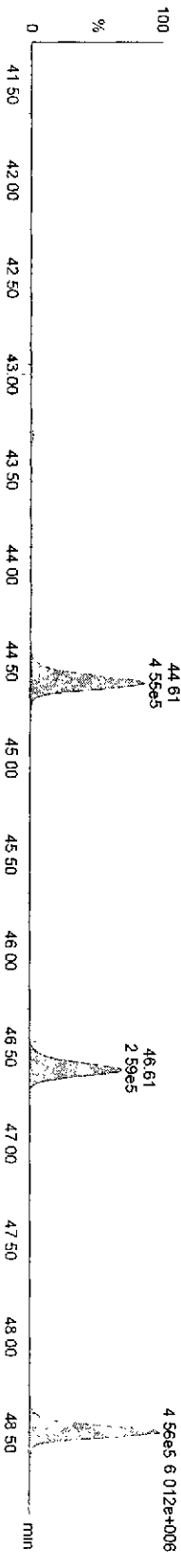


**13C-HPPCBs**

16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



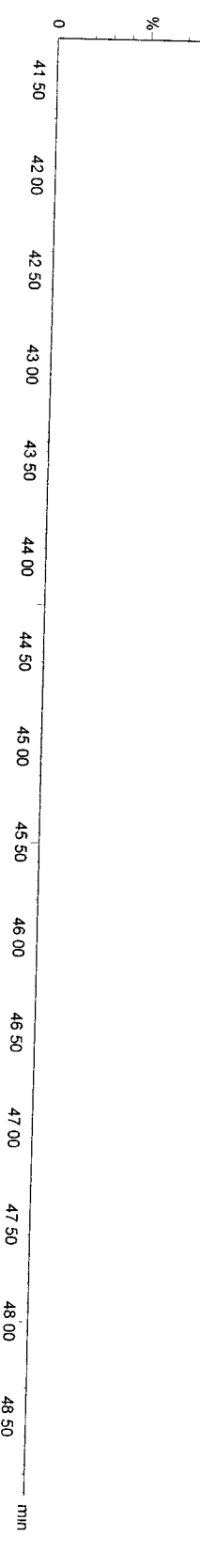
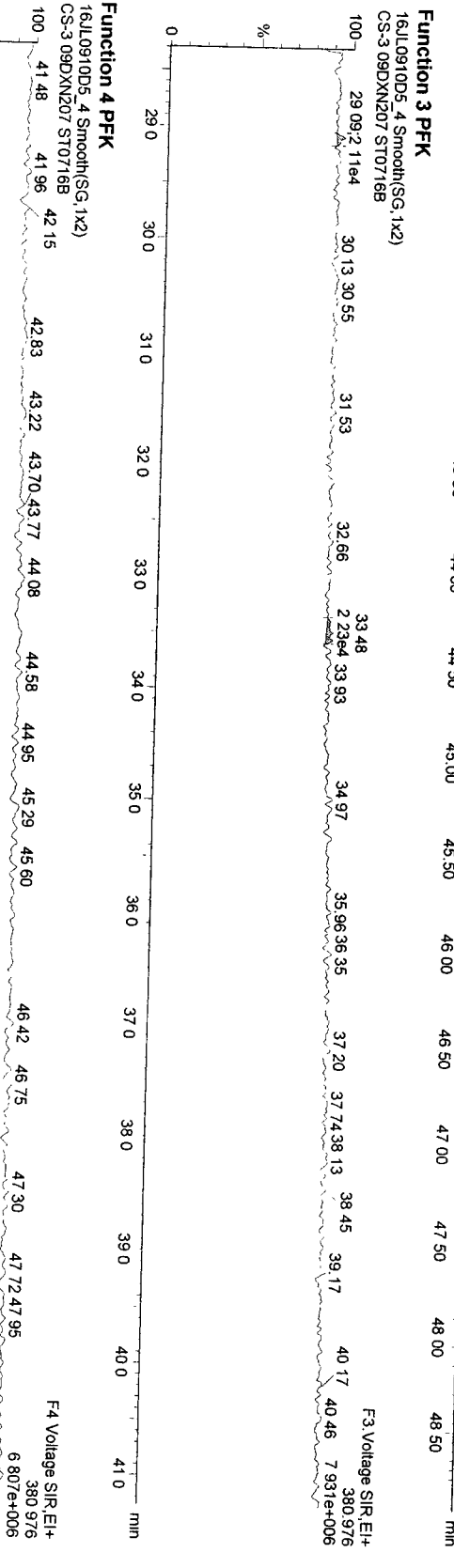
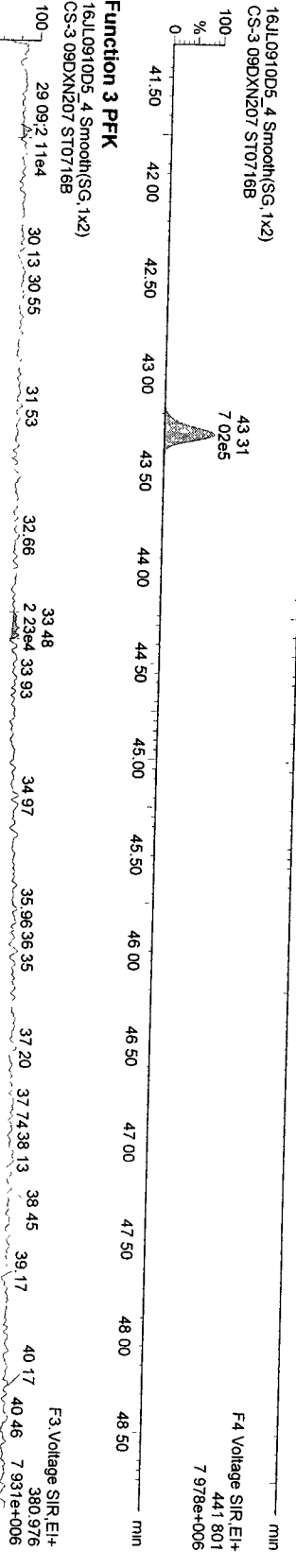
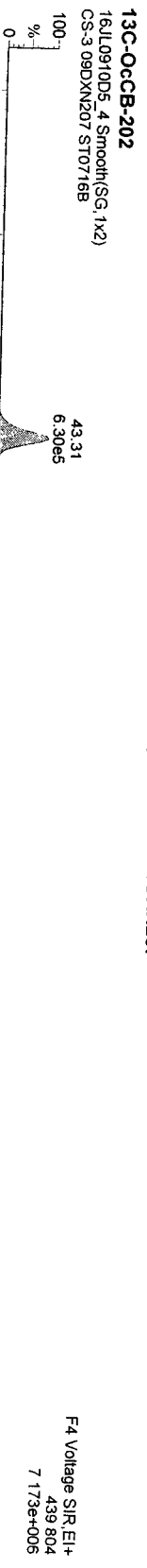
Quantity Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Page 22 of 40

Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207



Quantity Sample Report MassLynx 4.1

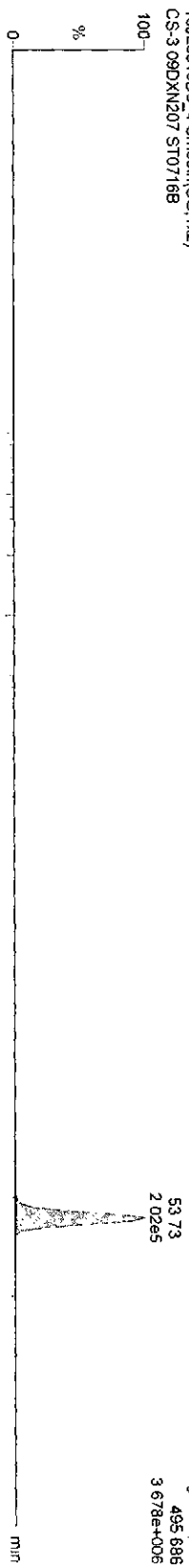
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

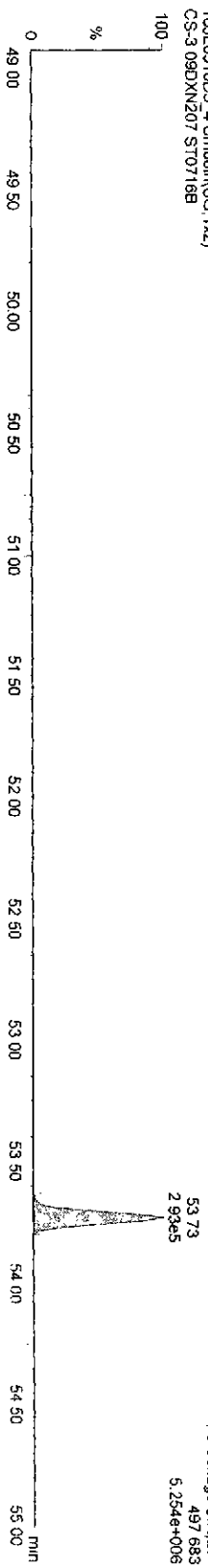
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DecB-209

16JUL0910D5\_4 Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B



16JUL0910D5\_4 Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B

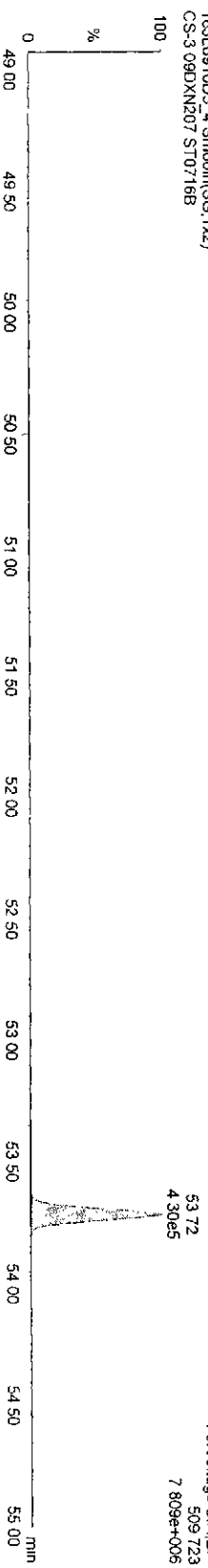


13C-DecB-209

16JUL0910D5\_4 Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B



16JUL0910D5\_4 Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B





Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prof\CA0716200910D51668MSLDEC.qld

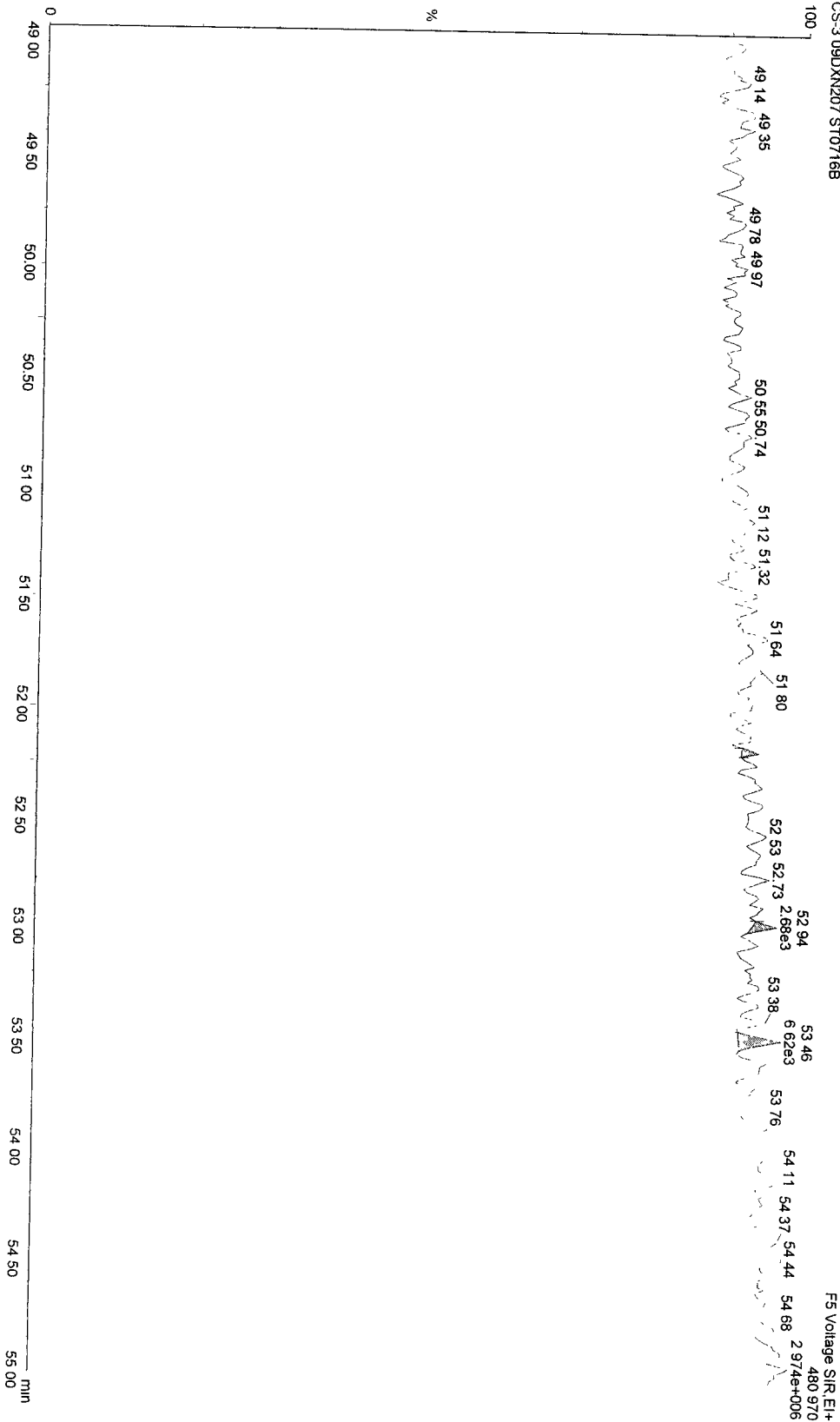
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

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Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

Function 5 PFK

16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

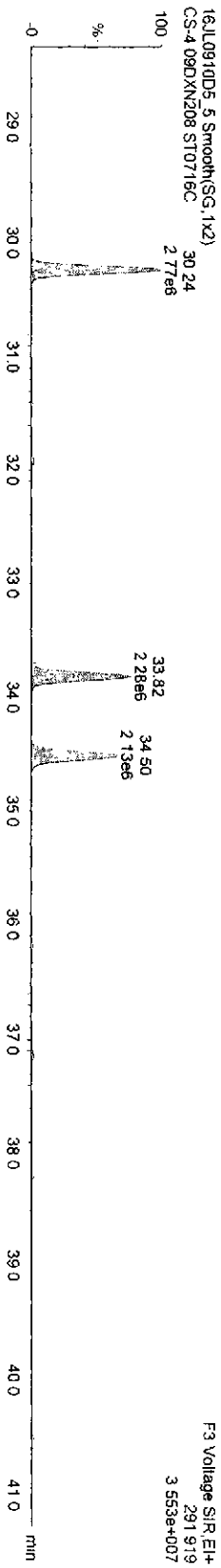
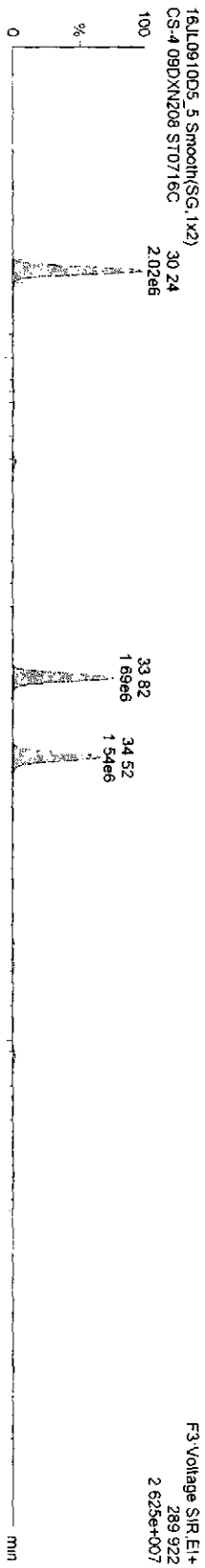
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Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

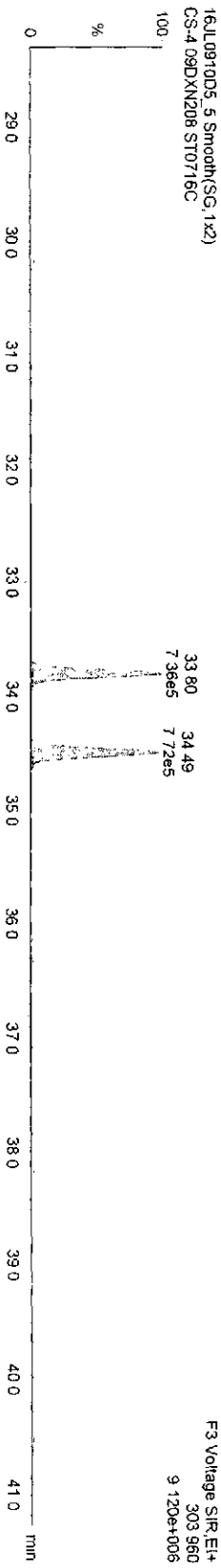
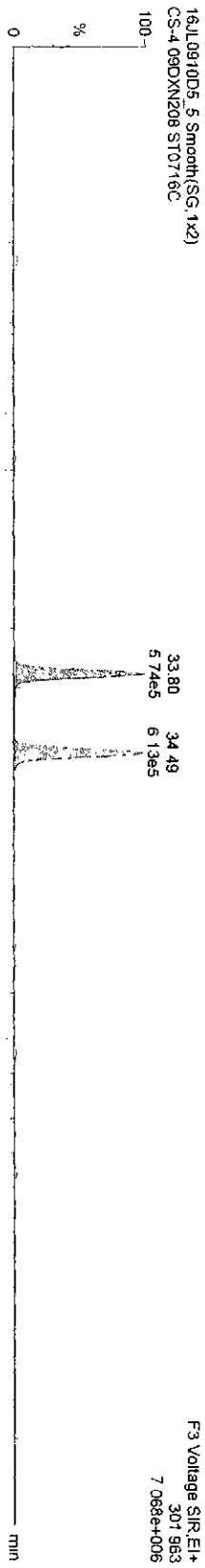
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4-09DXN208

**TetraPCBs**



**13C-TetrakisPCBs**

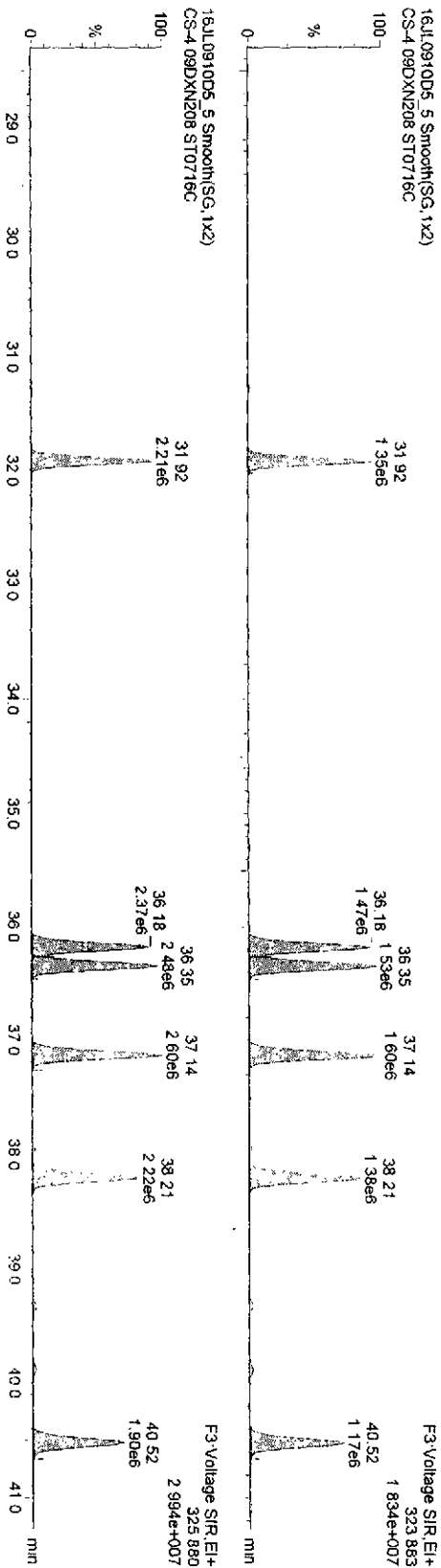


Dataset: C:\MassLynx\Default\pro\ICA07162200910D51668MSLDEC.qld

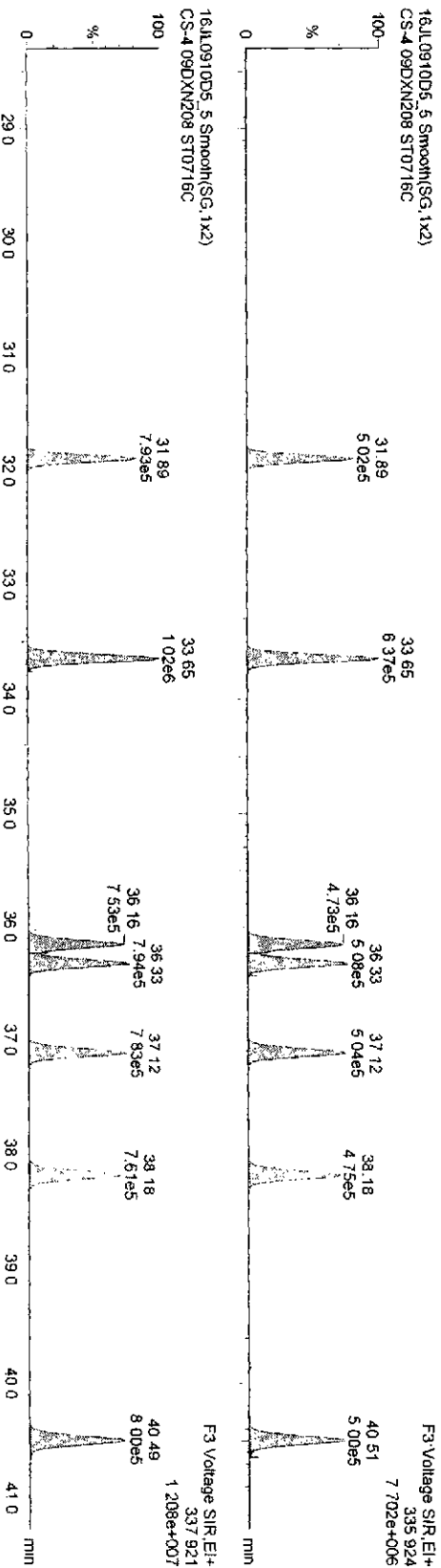
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Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

**PePCBs**



**13C-PePCBs**

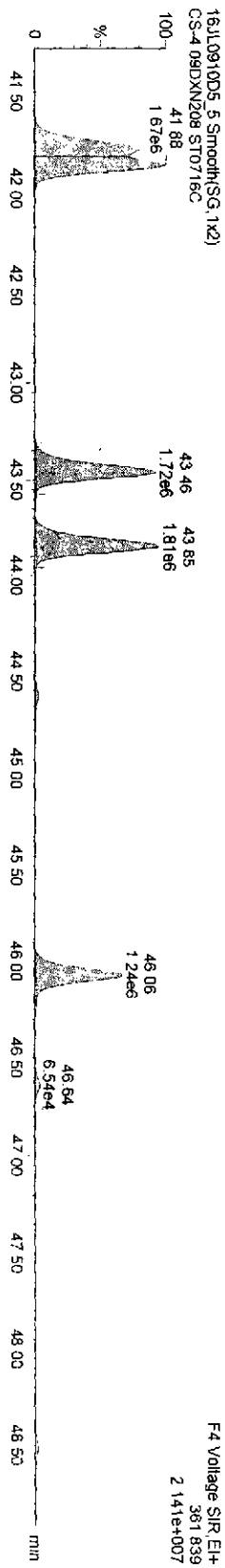
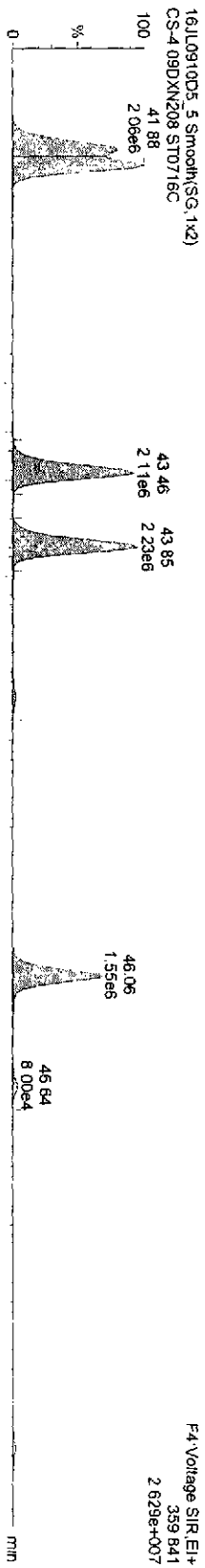


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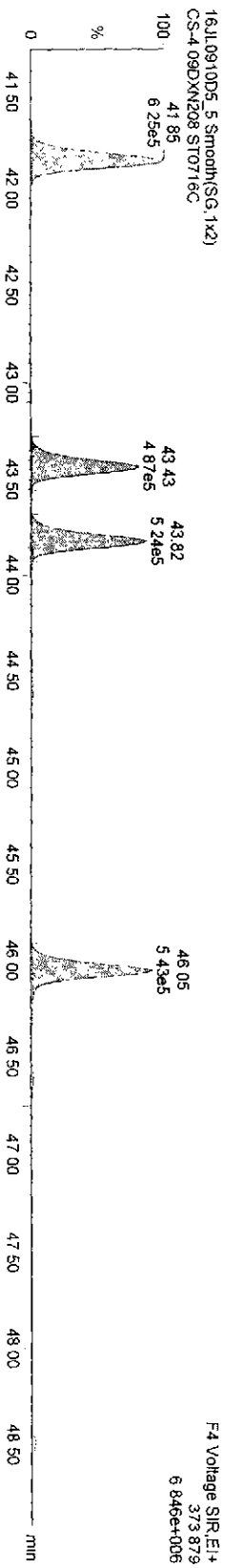
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

HxPCBs-



13C-HxPCBs

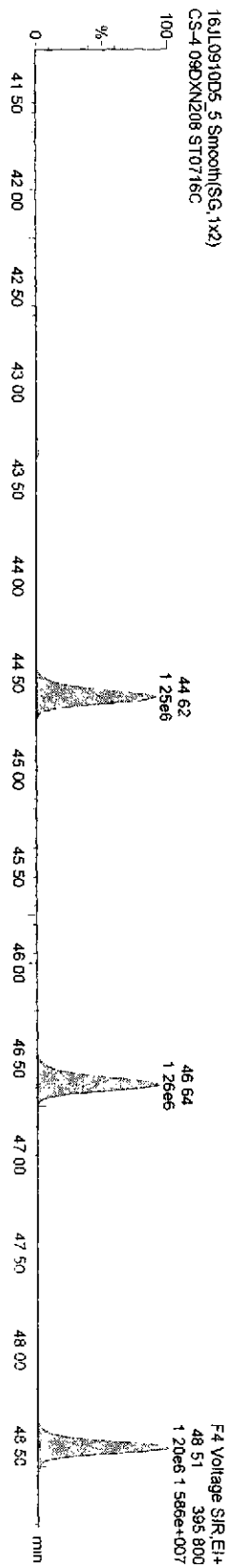
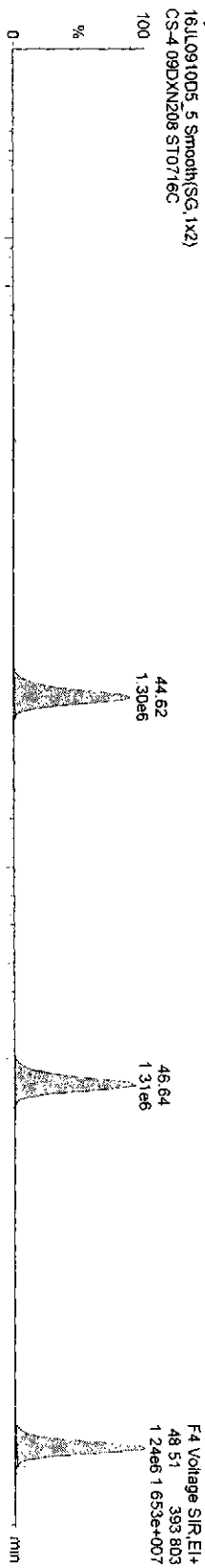


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

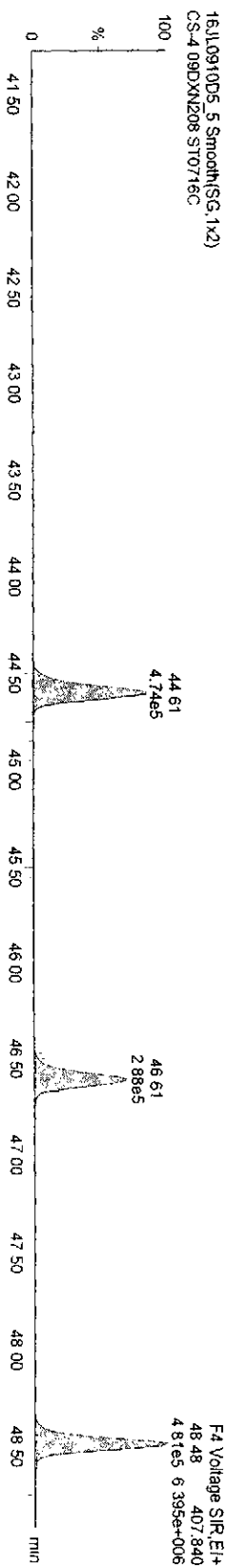
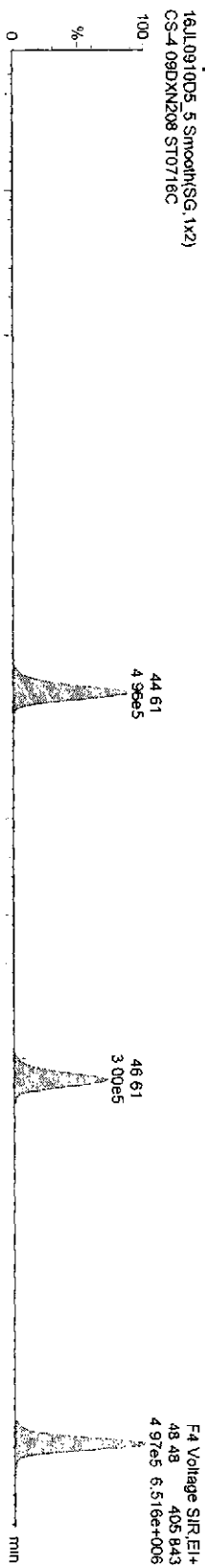
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

**HppCBs**



**13C-HppCBs**

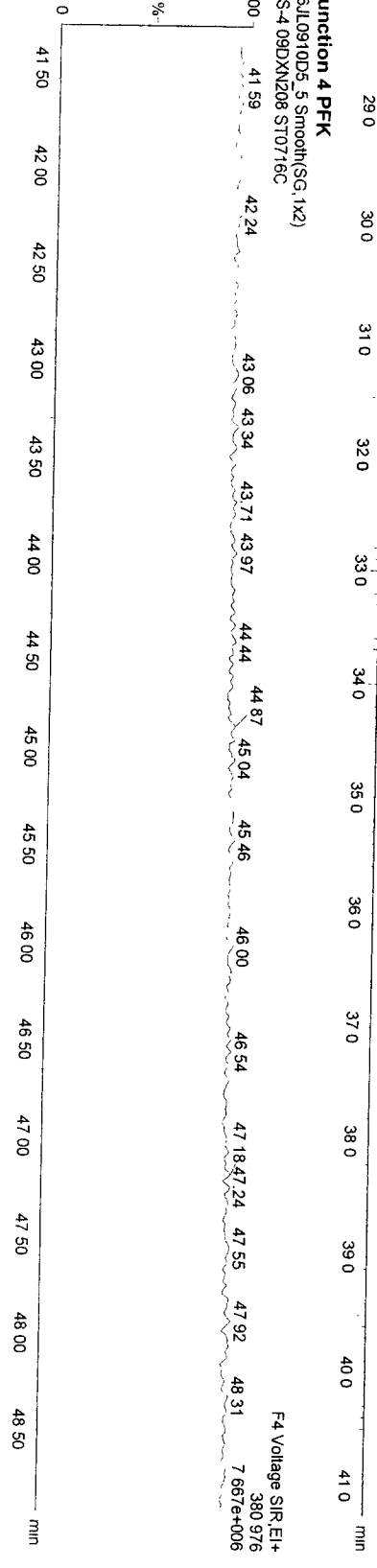
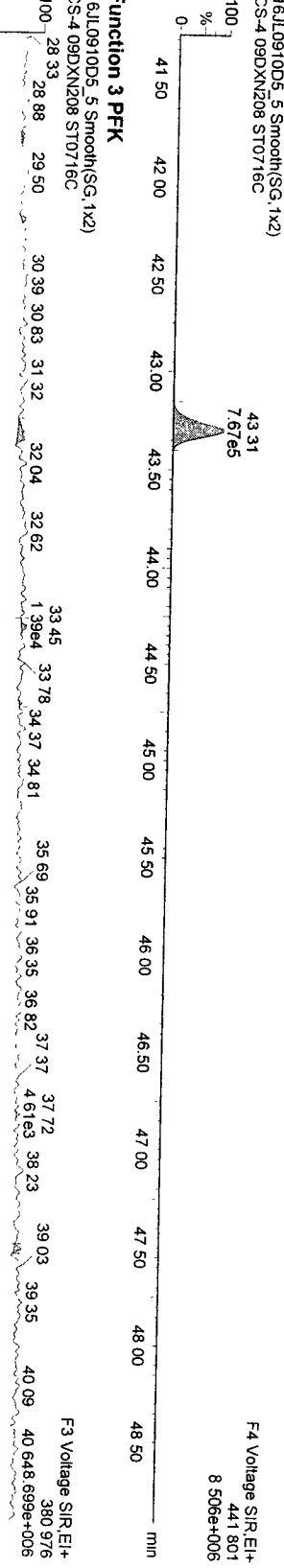
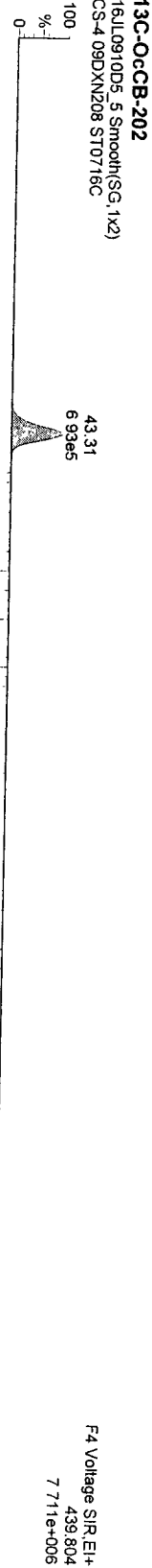


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208



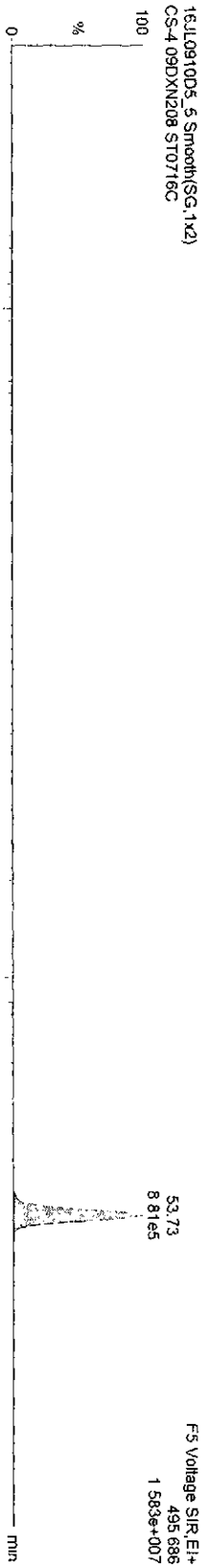
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

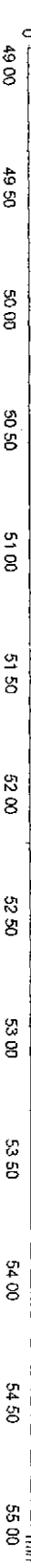
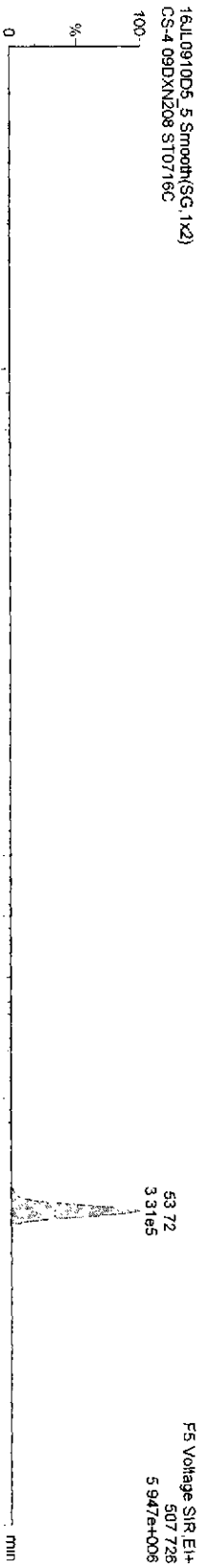
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

DecB-209



13C-DecB-209





Quantity Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

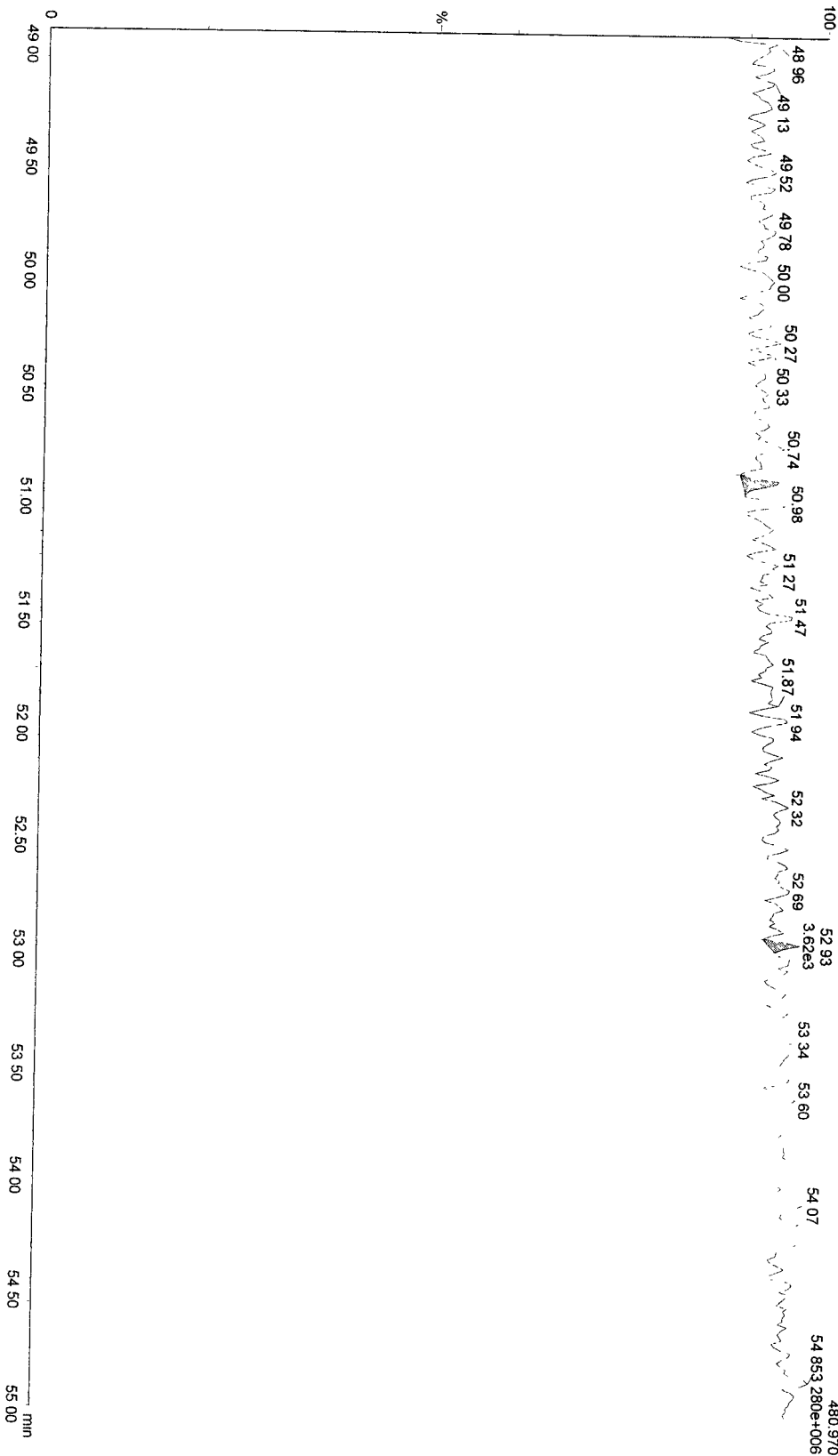
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

Function 5 PFK

16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



Quantity Sample Report      MassLynx 4.1

Dataset:      C:\MassLynx\Default\prof\CA0716200910D51668MSLDEC.qld

Page 33 of 40

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

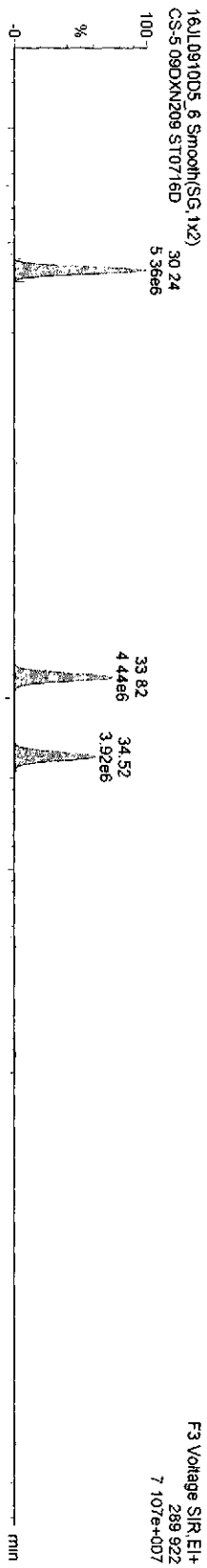
Name: 16-Jul-0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

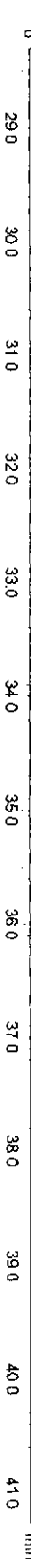
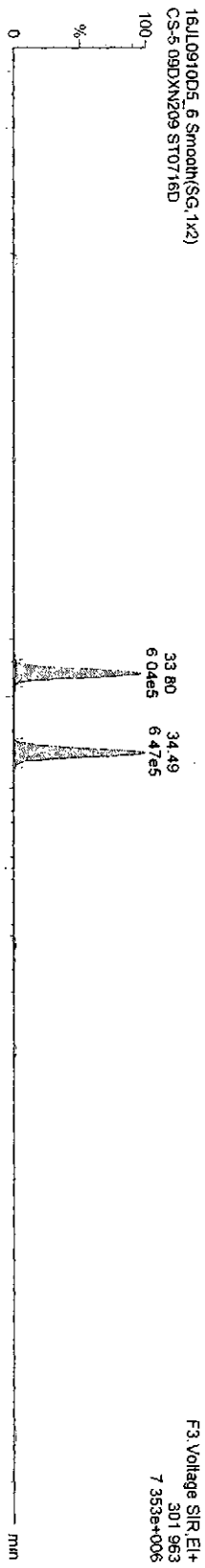
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

**TetraPCBs**



**13C-TetraPCBs**

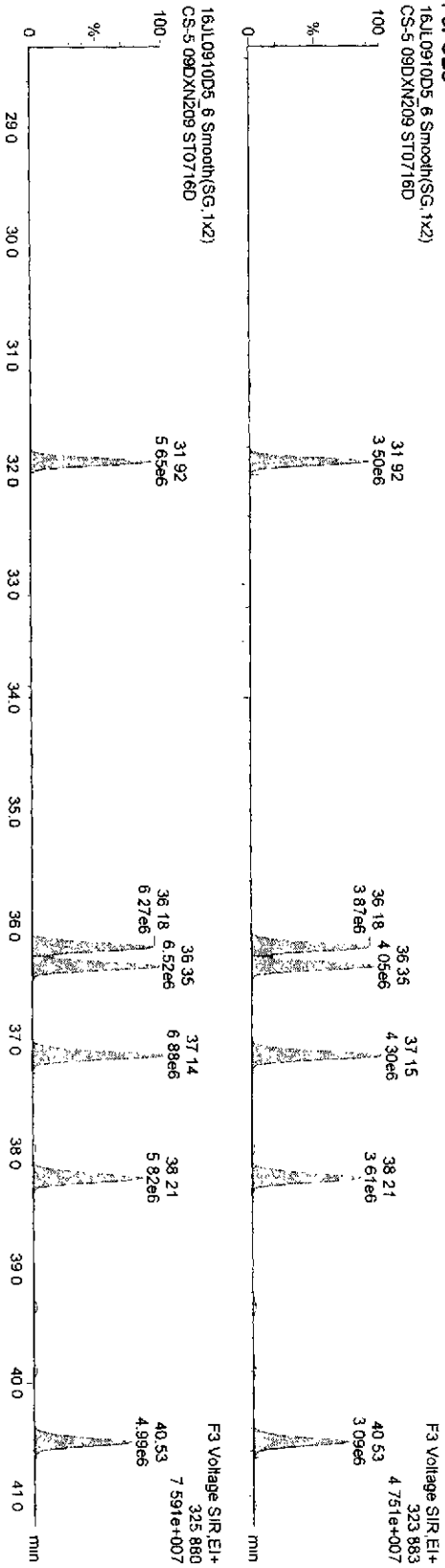


Dataset: C:\Masslynx\Default\prol\CA0716200910D51668MSLDEC.qid

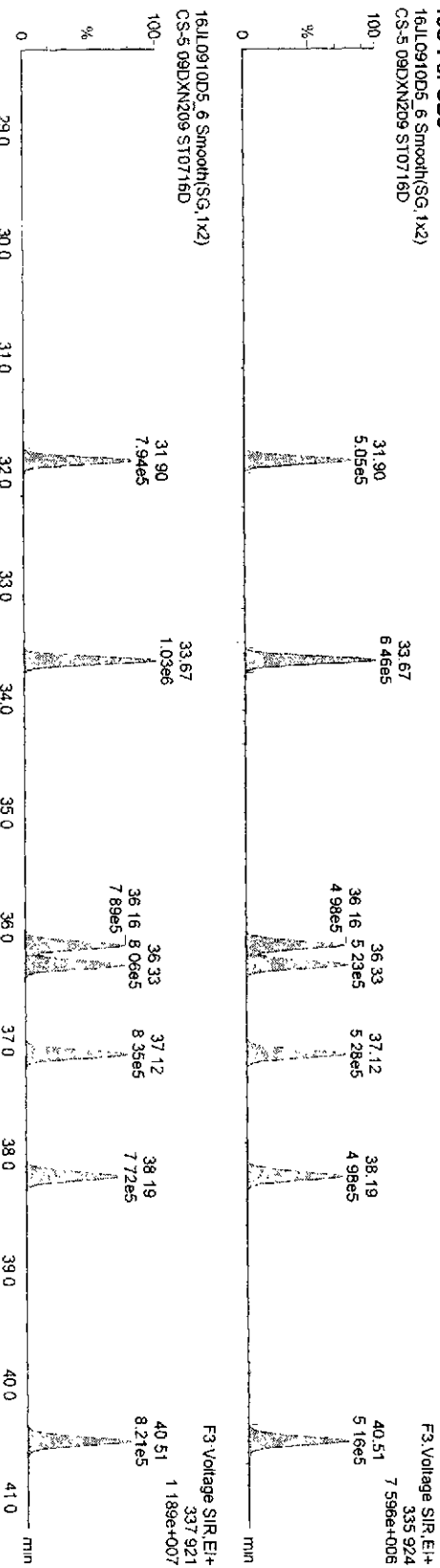
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

**PePCBs**



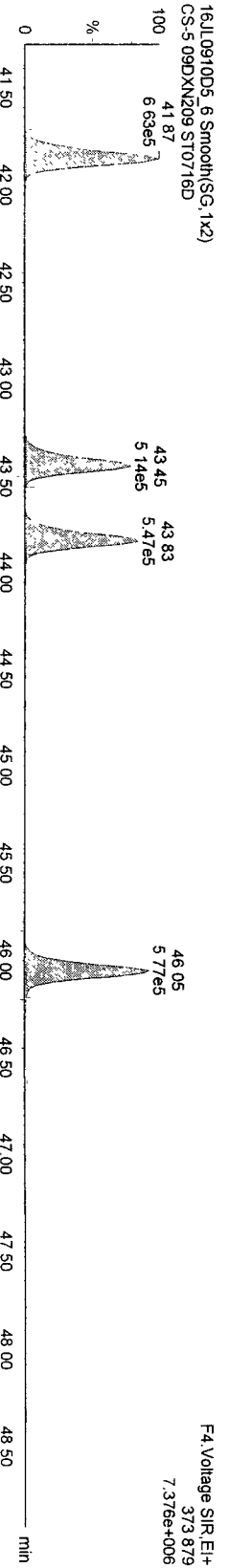
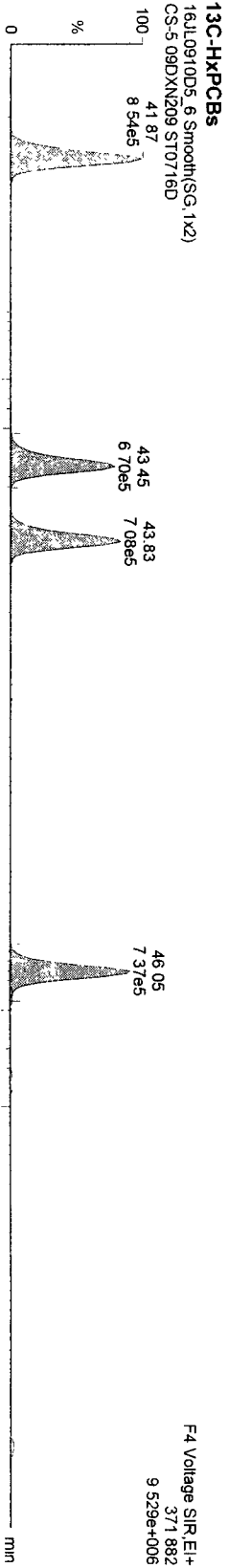
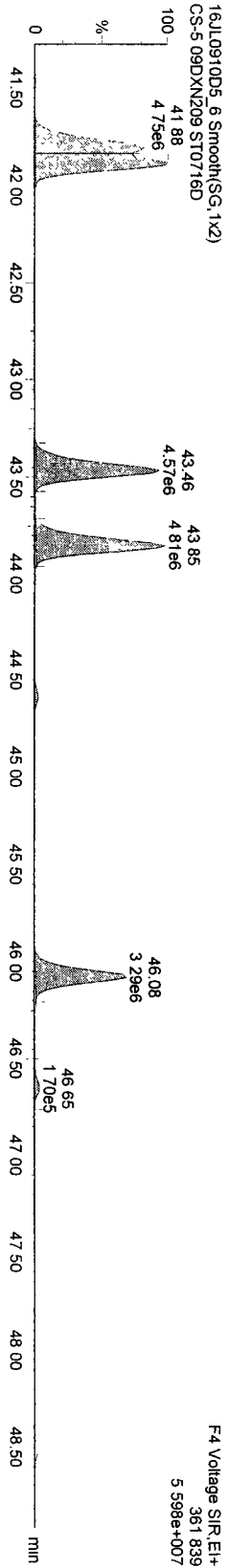
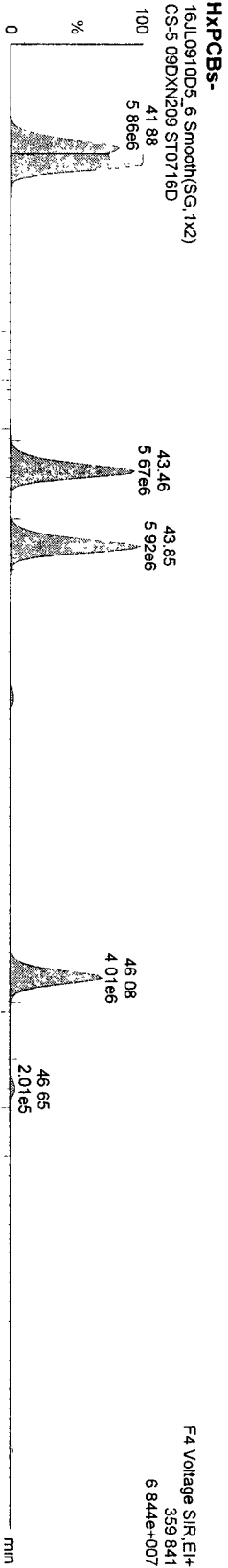
**13C-PePCBs**



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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

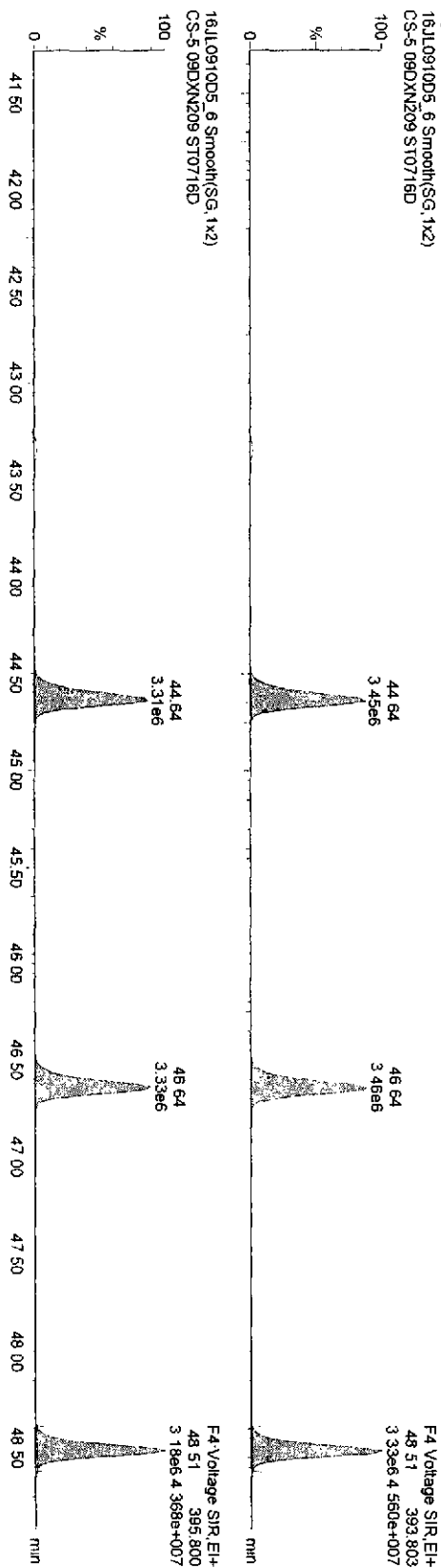


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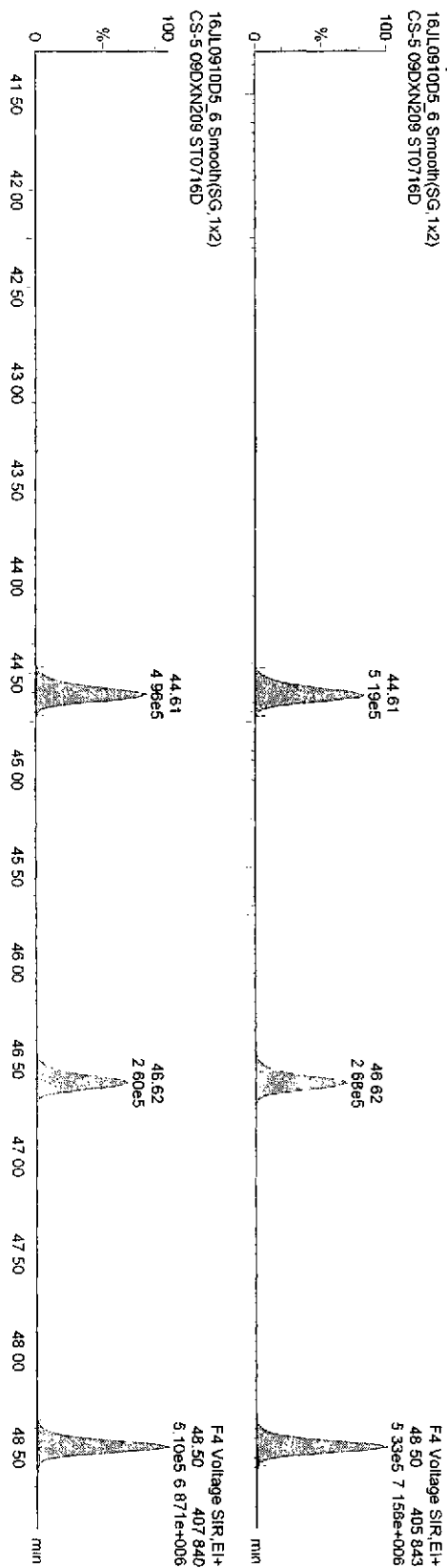
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

**HPPCBs**



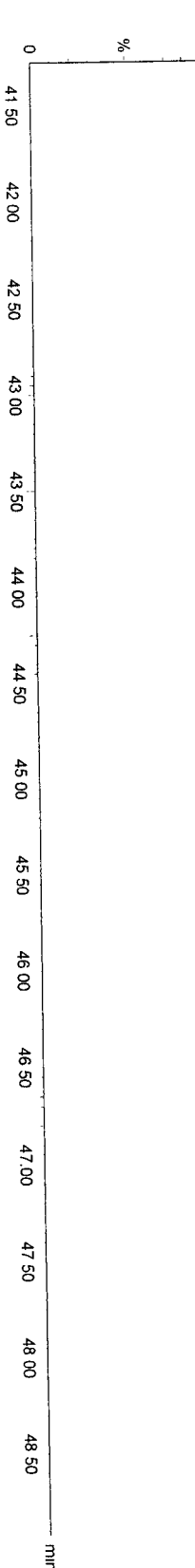
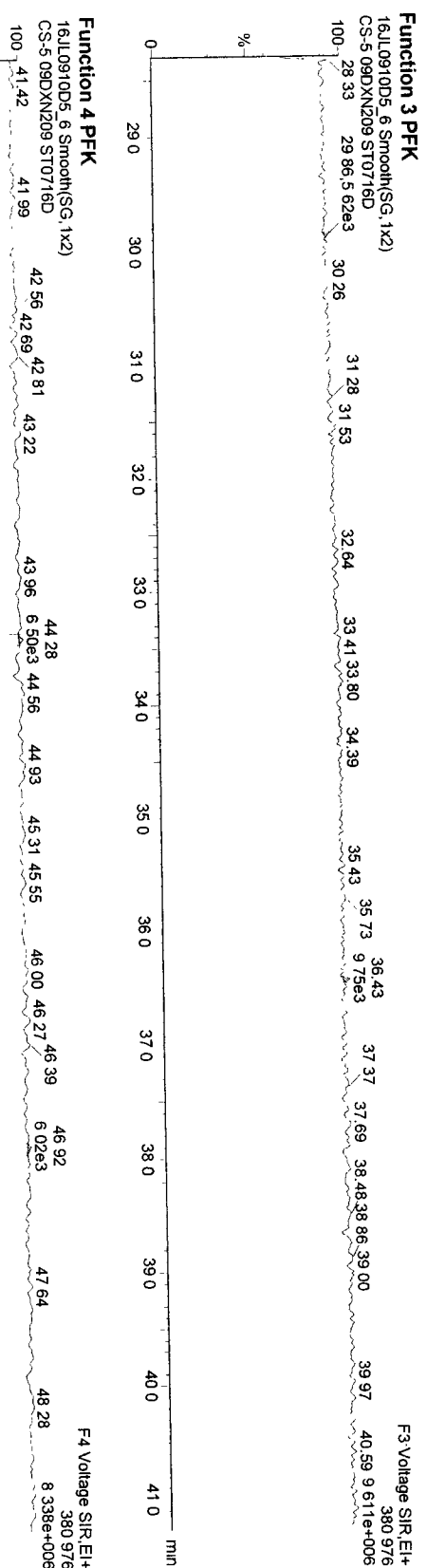
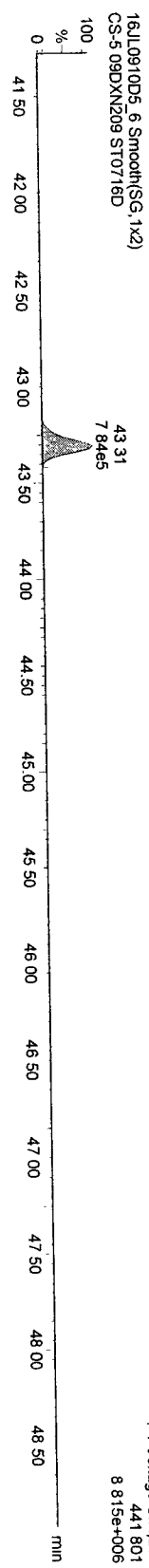
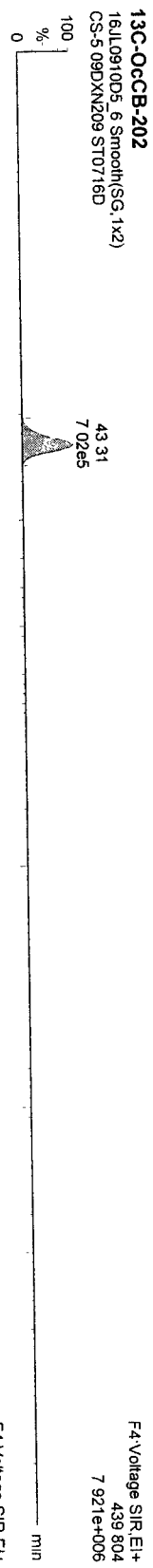
**13C-HPPCBs**



Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209



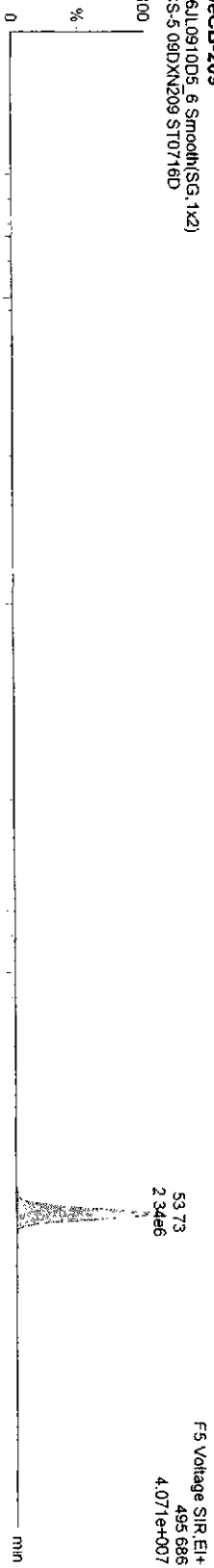
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

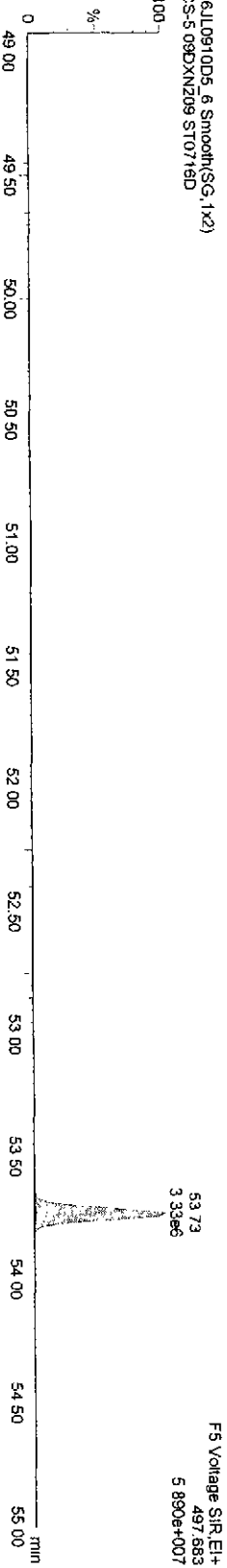
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**DecB-209**

16JUL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D

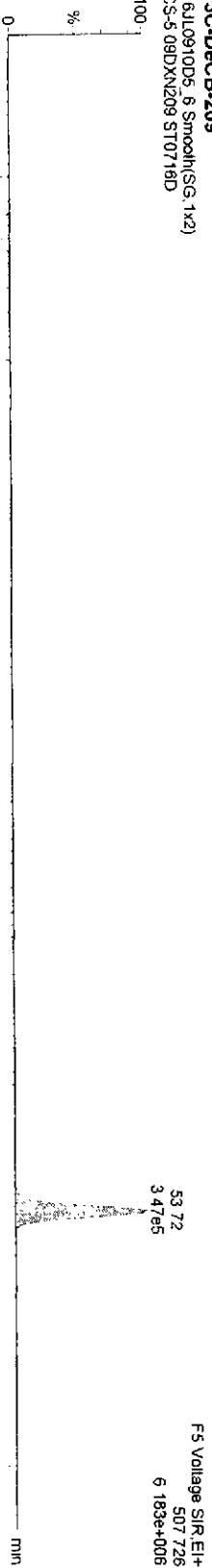


16JUL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D

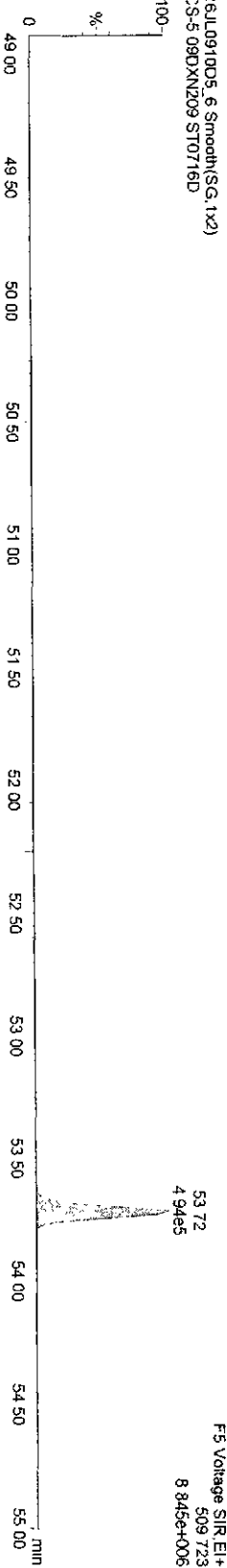


**13C-DecB-209**

16JUL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



16JUL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D

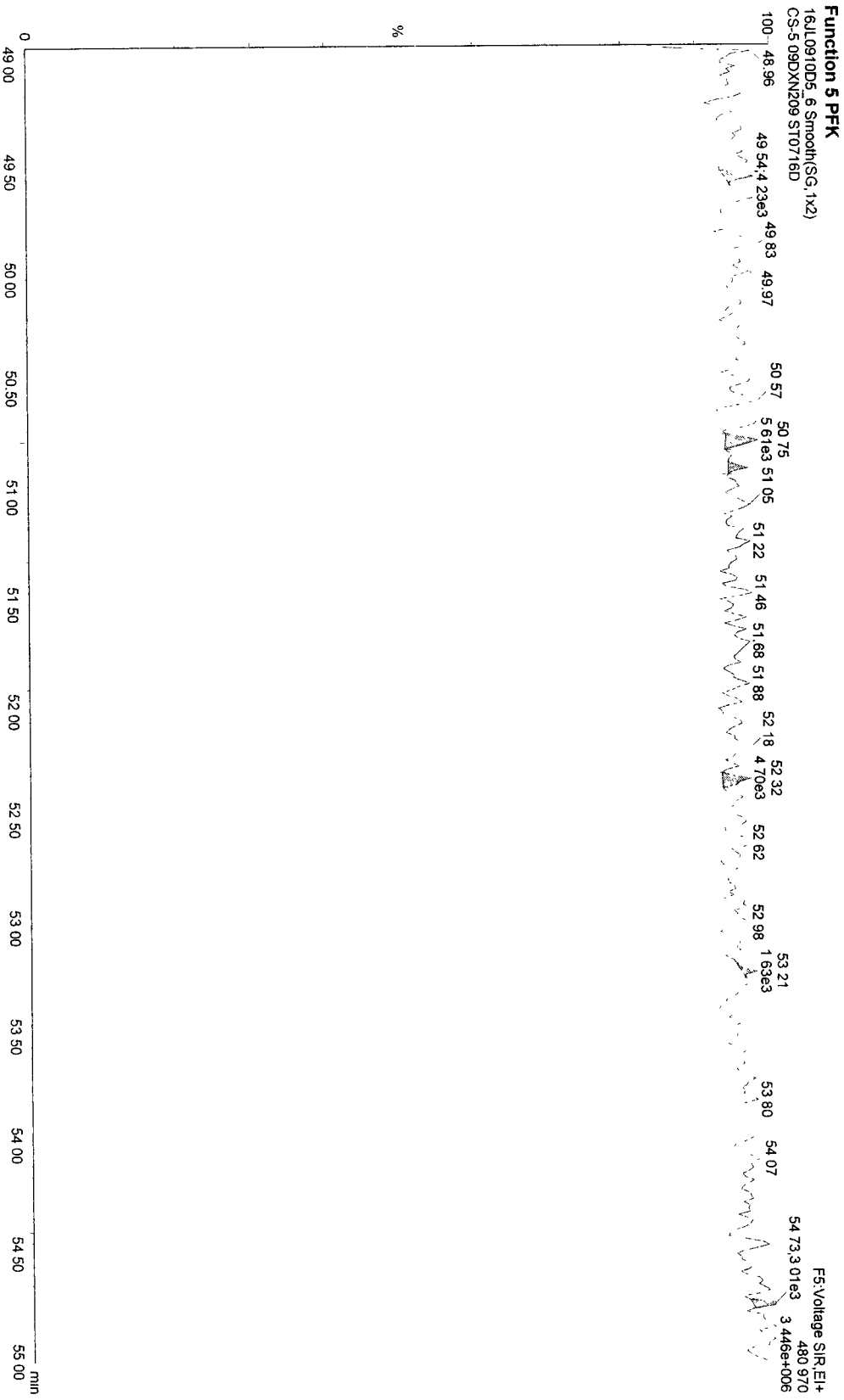




Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209



Quantify Sample Summary Report MassLynx 4.1

Dataset C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC2\ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

Method: C:\MassLynx\Default\PROlMethodB1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19  
 Calibration: C:\MassLynx\Default\PROlCurveDB1CA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

# Name	Trace	Sample Size	RT	Ptd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-PeCB-101	335.924	1.000	31.90	32.13	12419.	1470466.81	118.4006	118.4006	118.4	0.06393	0.65	NO	
2														
3	13C-TeCB-81	301.963	1.000	33.82	33.85	1.03984	1610148.06	105.3037	105.3037	105.3	0.05886	0.79	NO	
4	TeCB-81	289.922	1.000	33.83	33.83	1.45839	2117289.38	90.1658	90.1658		0.04653	0.74	NO	
5	13C-TeCB-77	301.963	1.000	34.50	34.55	1.10430	1683224.19	103.6572	103.6572	103.7	0.05543	0.79	NO	
6	TeCB-77	289.922	1.000	34.52	34.52	1.27458	1973168.13	91.9719	91.9719		0.05127	0.76	NO	
7														
8	13C-PeCB-123	335.924	1.000	36.16	36.18	0.99324	1532208.75	104.9083	104.9083	104.9	0.05436	0.63	NO	
9	PeCB-123	323.883	1.000	36.20	36.18	1.50539	1759145.25	76.2668	76.2668		0.05843	0.62	NO	
10	13C-PeCB-118	335.924	1.000	36.33	36.35	1.02377	1572983.44	104.4883	104.4883	104.5	0.05274	0.64	NO	
11	PeCB-118/106	323.883	1.000	36.37	36.35	1.52582	3508559.50	146.1885	146.1885		0.05700	0.62	NO	
12	13C-PeCB-114	335.924	1.000	37.12	37.14	1.03691	1612395.63	105.7488	105.7488	105.7	0.05207	0.64	NO	
13	PeCB-114	323.883	1.000	37.15	37.14	1.58926	1671774.44	65.2395	65.2395		0.05326	0.62	NO	
14	13C-PeCB-105	335.924	1.000	38.19	38.21	0.98151	1520435.63	105.3461	105.3461	105.3	0.05501	0.65	NO	
15	PeCB-105/127	323.883	1.000	38.23	38.21	1.43326	3561897.75	163.4509	163.4509		0.06446	0.62	NO	
16	13C-PeCB-126	335.924	1.000	40.51	40.56	1.02999	1545906.50	102.0695	102.0695	102.1	0.05242	0.63	NO	
17	PeCB-126	323.883	1.000	40.54	40.54	1.15582	1658692.44	92.8312	92.8312		0.08124	0.62	NO	
18														
19	13C-OcCB-202	439.804	1.000	43.31	43.51	14106...	1688443.75	119.6951	119.6951	119.7	0.02438	0.90	NO	
20														
21	13C-HXCB-167	371.882	1.000	41.87	41.90	1.00247	1715750.19	101.3672	101.3672	101.4	0.04312	1.27	NO	
22	HXCB-167	359.841	1.000	41.90	41.90	1.34796	1659150.94	71.7388	71.7388		0.03818	1.08	NO	
23	13C-HXCB-156	371.882	1.000	43.45	43.48	0.78510	1364232.75	102.9140	102.9140	102.9	0.05505	1.29	NO	
24	HXCB-156	359.841	1.000	43.48	43.48	1.68840	1803329.50	78.2908	78.2908		0.03726	1.23	NO	
25	13C-HXCB-157	371.882	1.000	43.83	43.87	0.83526	1446005.38	102.5319	102.5319	102.5	0.05175	1.29	NO	
26	HXCB-157	359.841	1.000	43.87	43.85	1.65965	1723649.81	71.8229	71.8229		0.03615	1.22	NO	
27	13C-HXCB-169	371.882	1.000	46.06	46.11	0.87128	1475827.50	100.3211	100.3211	100.3	0.04961	1.26	NO	
28	HXCB-169	359.841	1.000	46.08	46.10	1.09832	1474839.81	90.9875	90.9875		0.05244	1.21	NO	
29														
30	13C-HpCB-180	405.843	1.000	44.61	44.47	0.68403	1195299.69	103.4944	103.4944	103.5	0.03057	1.04	NO	
31	HpCB-180	393.803	1.000	44.64	44.61	1.30035	1268602.00	81.6184	81.6184		0.05965	1.04	NO	

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

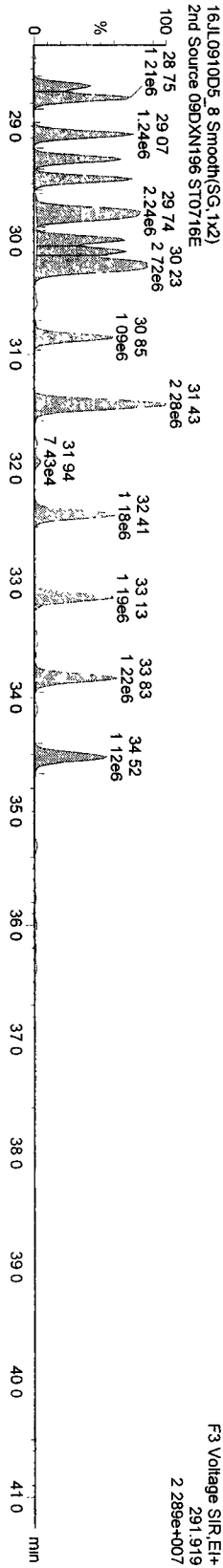
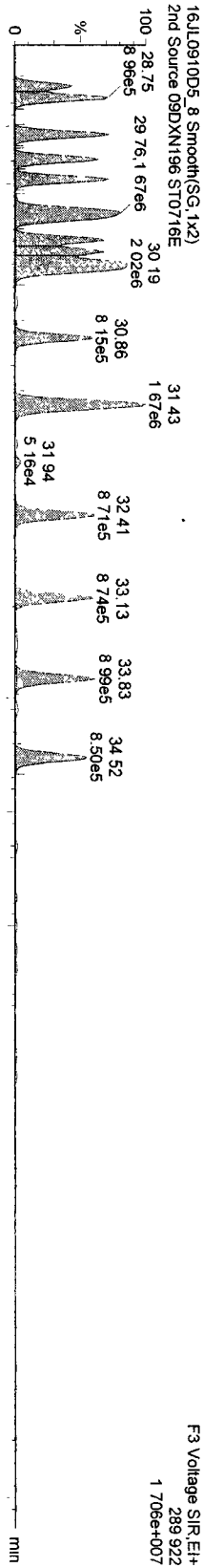
Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

# Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
32 13C-HpCB-170	405.843	1.000	46.62	46.64	0.54773		966535.94	104.5113	104.5113	104.5	0.03818	1.06	NO	
33 HpCB-170	393.803	1.000	46.65	46.64	1.61501		1170576.13	74.9906	74.9906		0.05931	1.03	NO	
34 13C-HpCB-189	405.843	1.000	48.50	48.48	0.69767		1207214.94	102.4822	102.4822	102.5	0.02997	1.04	NO	
35 HpCB-189	393.803	1.000	48.51	48.53	1.23073		1325001.06	89.1805	89.1805		0.05490	1.04	NO	
36														
37 13C-DeCB-209	507.726	1.000	53.73	53.63	0.55323		1015487.63	108.7130	108.7130	108.7	0.02293	0.71	NO	
38 DeCB-209	495.686	1.000	53.75	53.76	1.31861		1811907.25	135.3149	135.3149		0.01204	0.70	NO	
39														
40 13C-PeCB-111	335.924	1.000	34.07	33.90	1.30483		1197.90	0.0590		0.1	0.04457	0.66	NO	
41														
42 Function 3 PFK	380.976	1.000												
43 Function 4 PFK	380.976	1.000												
44 Function 5 PFK	480.970	1.000												

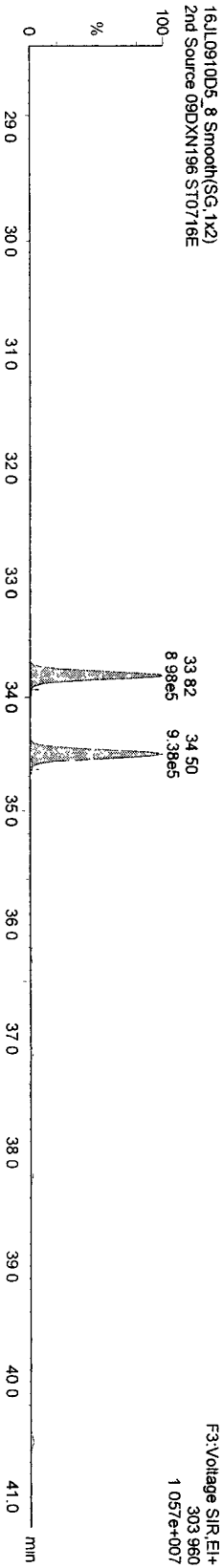
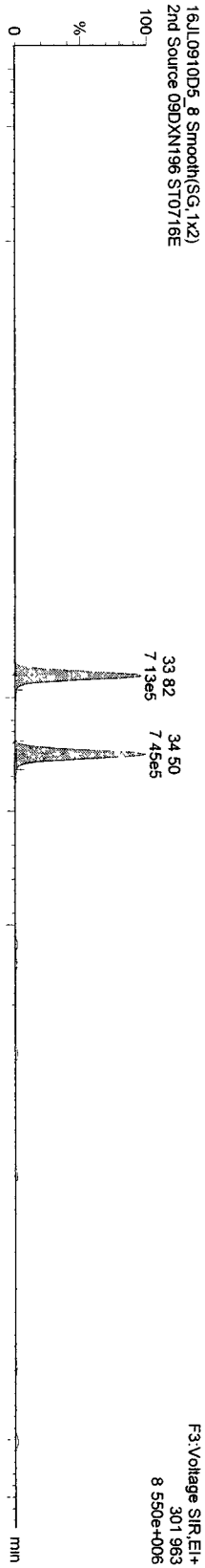
Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC2ndSource.qld  
 Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

**TetraPCBs**



**13C-TetrasPCBs**

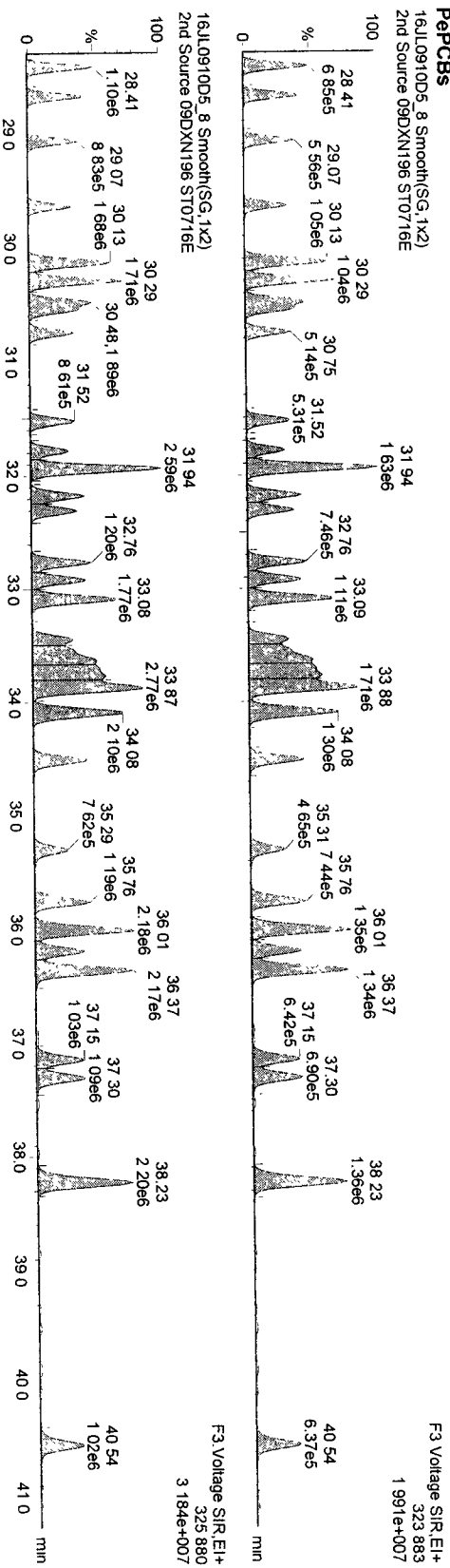


Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC2ndSource.qld

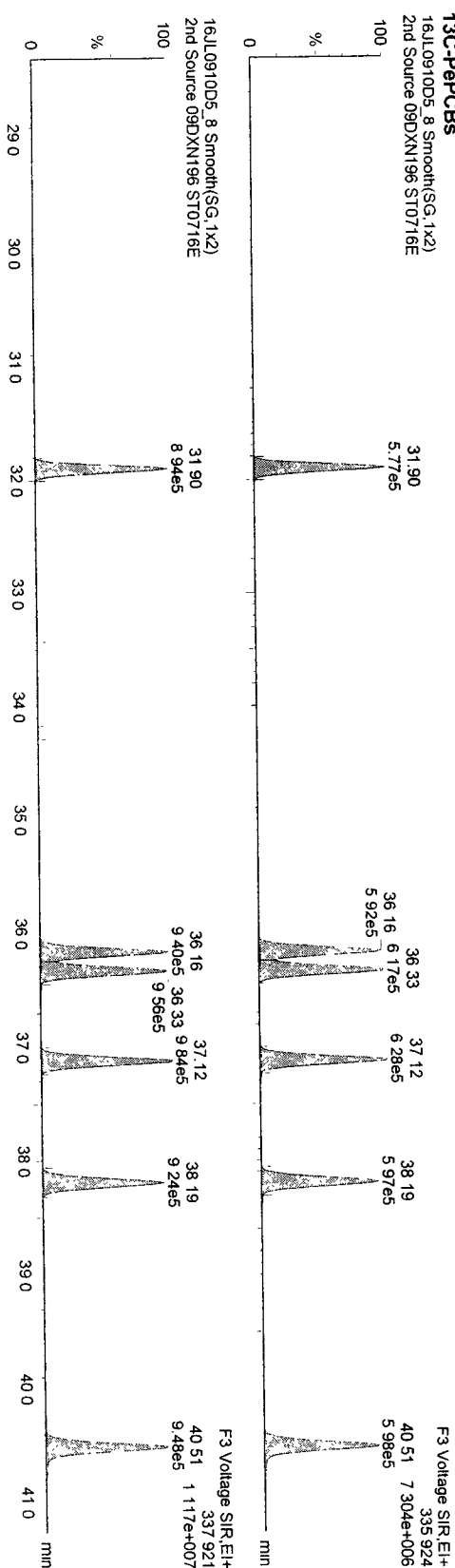
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

PePCBs



13C-PePCBs



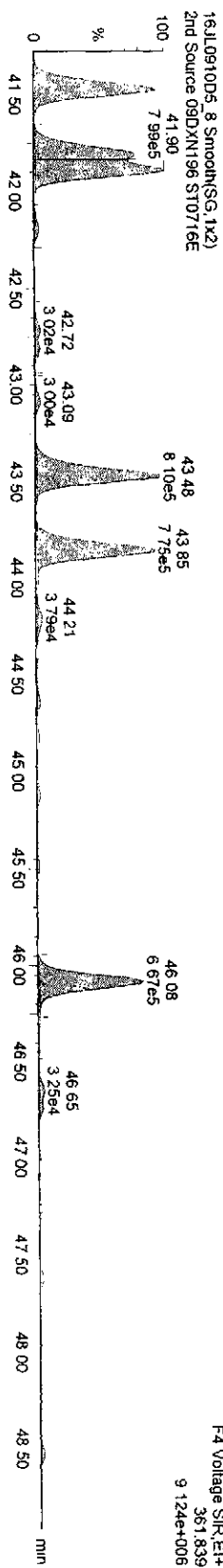
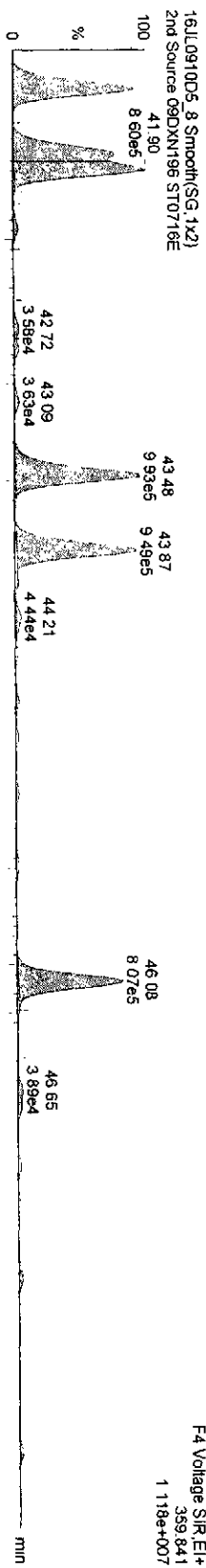
Dataset C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC2ndSource.qtd

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time

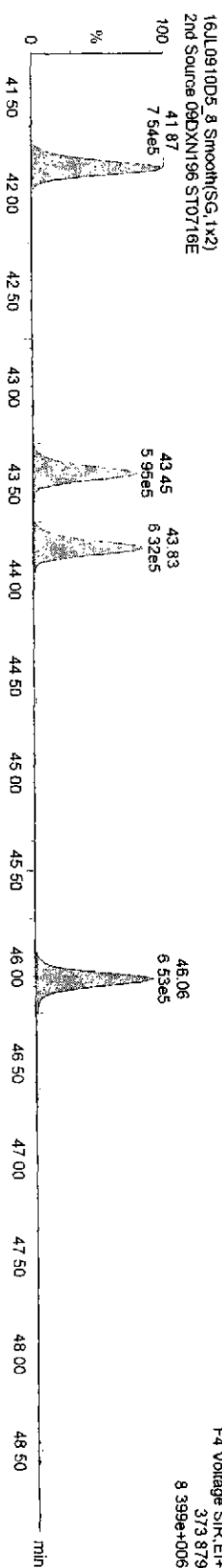
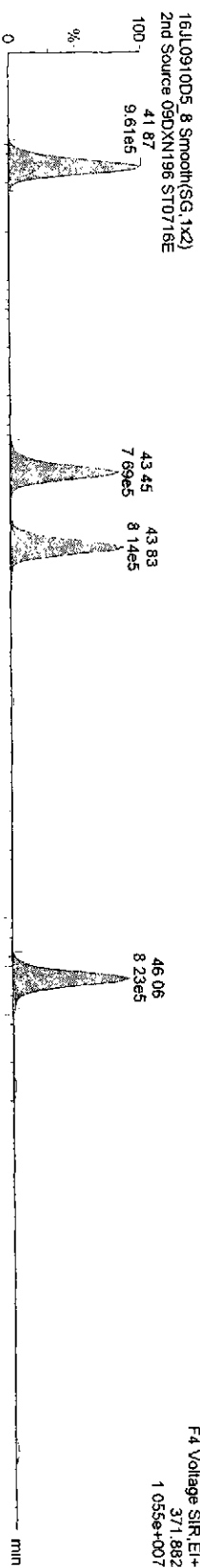
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

HXPCBs-



13C-HXPCBs

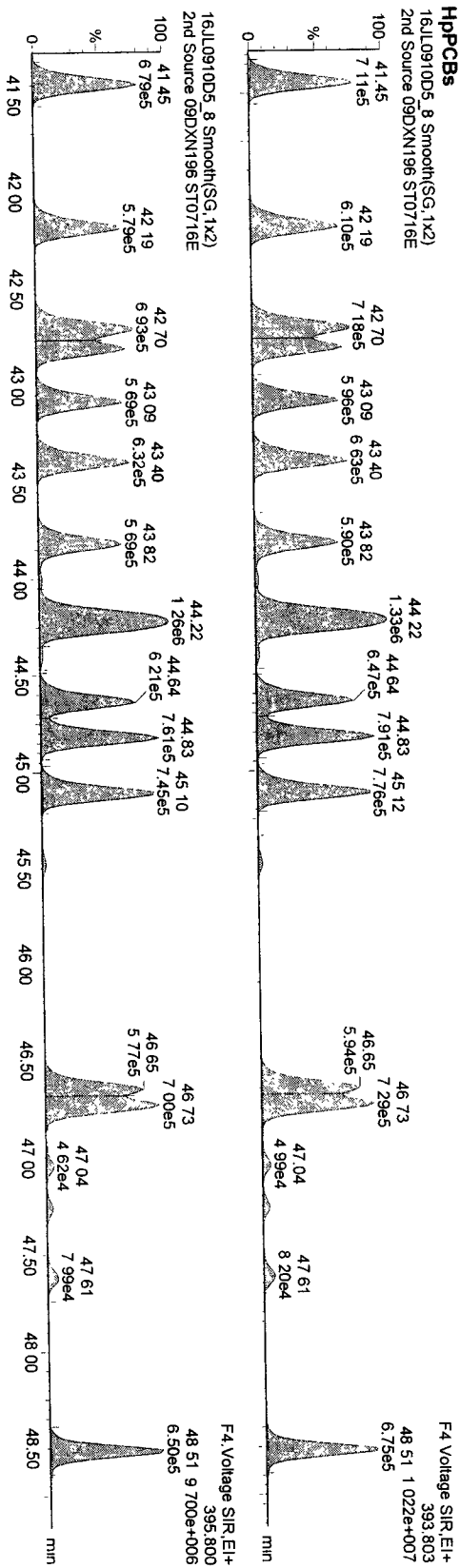


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC2\2ndSource.qld

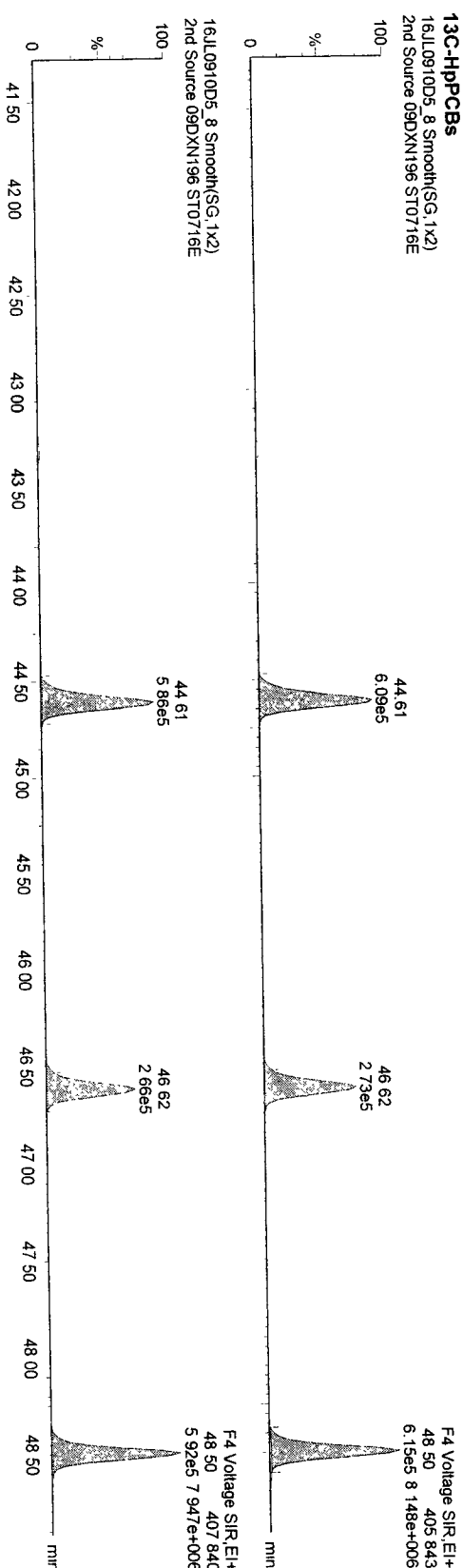
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16LJL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

**HP PCBs**



**13C-HP PCBs**



Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC2\ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

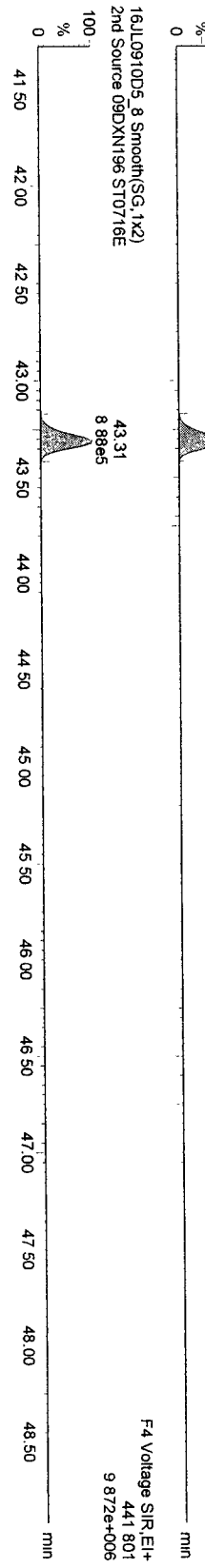
Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

13C-OCGB-202

16JUL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E

43.31  
8.01e5

F4 Voltage SIR.EI+  
439.804  
8.944e+006

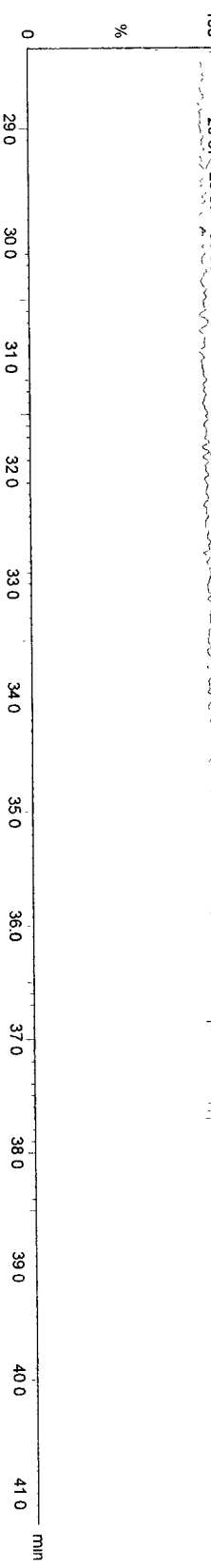


Function 3 PFK

16JUL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E

28.33 29.37 29.57 30.09 30.70 31.75 31.84 32.62 33.36 33.78 34.02 34.27 34.27 35.04 35.04 6.13e3 35.53 35.53 36.18 37.37 37.61 37.61 1.01e4 38.31 38.31 38.95 39.60 39.60 39.94 40.69 9.998e+006

F3 Voltage SIR.EI+  
380.976  
9.998e+006

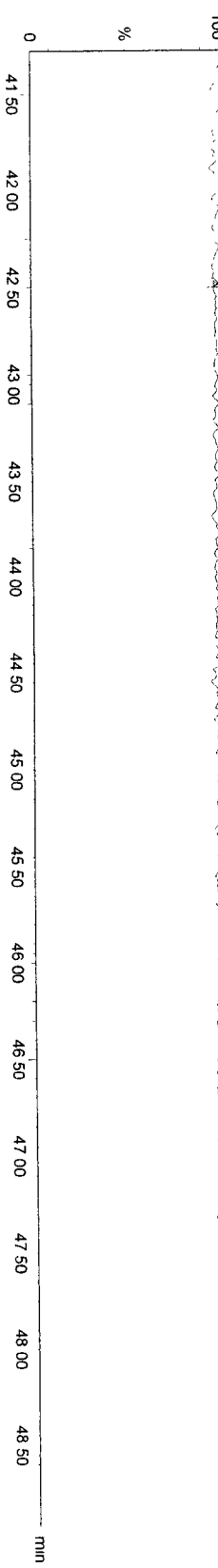


Function 4 PFK

16JUL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E

41.36 41.59 42.08 42.30 42.49 6.56e3 43.11 43.48 44.45 44.97 45.48 45.65 46.14 46.47 46.61 47.27 47.35 48.08 48.36 8.491e+006

F4 Voltage SIR.EI+  
380.976  
8.491e+006

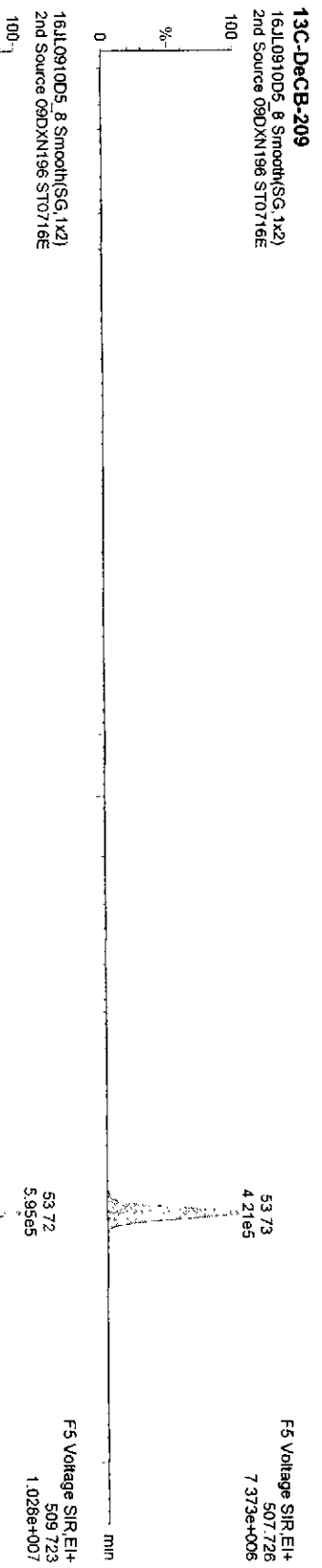
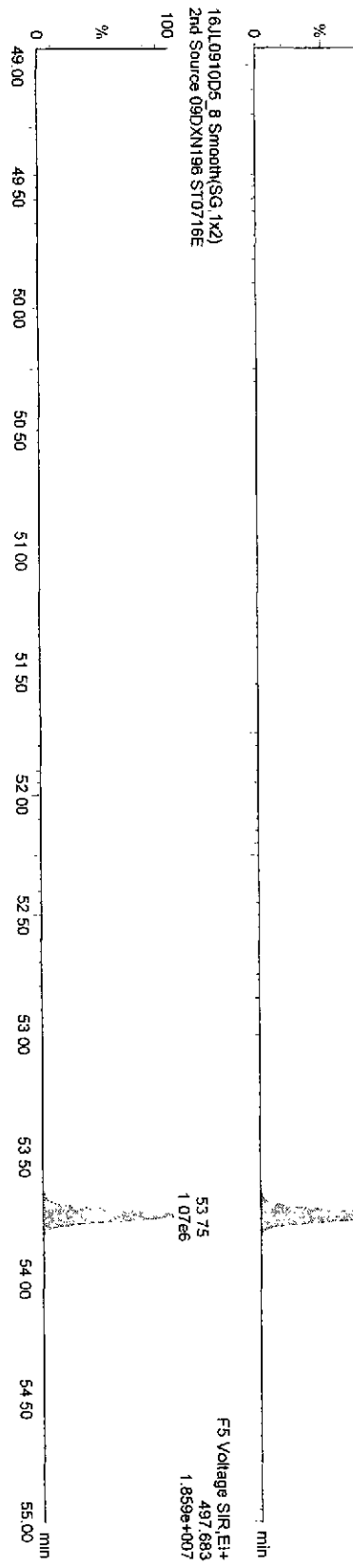




Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

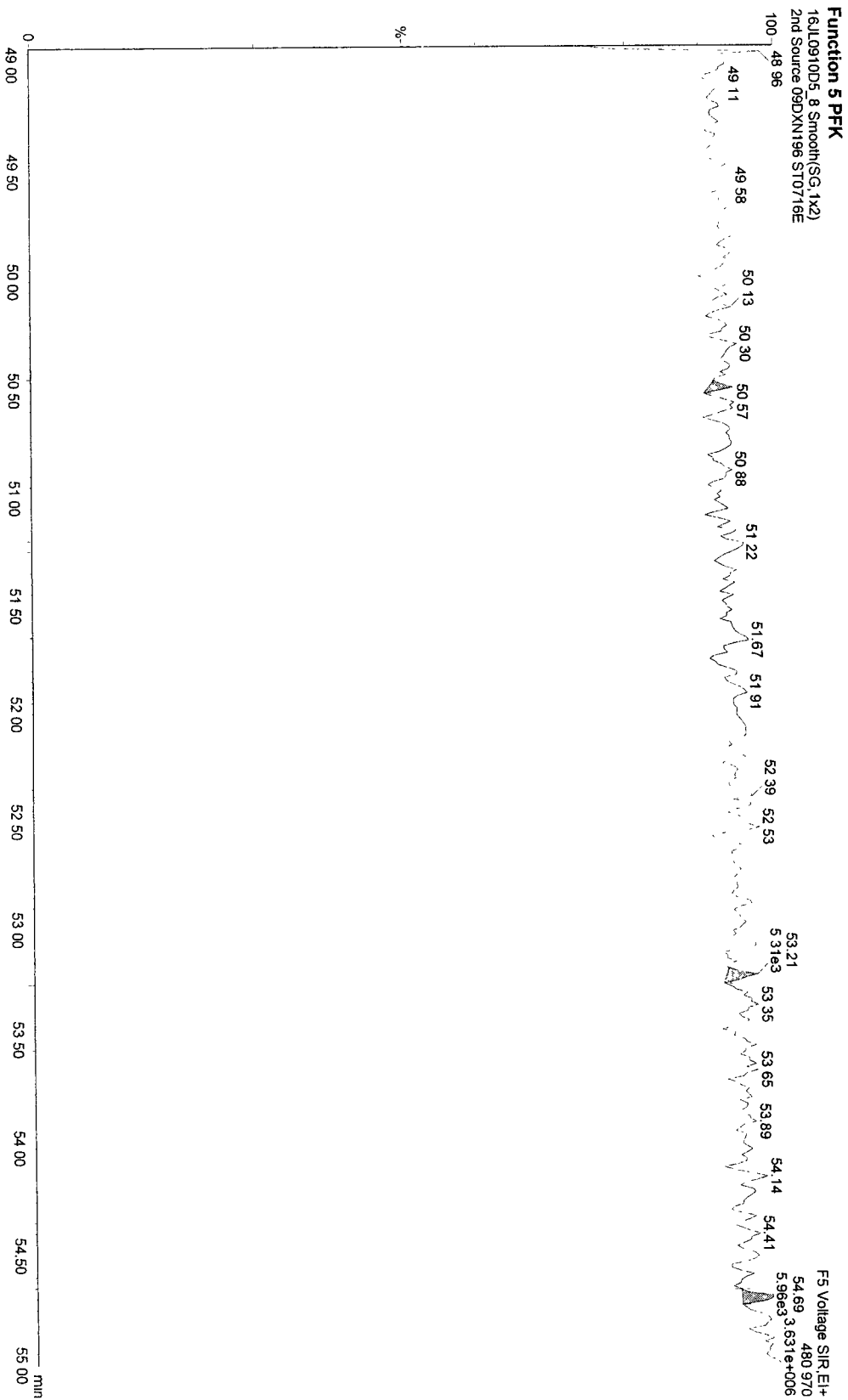


Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSLDEC2\2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time

Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DDXN196



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: Wenck Lot Number: G9I030266 Date: 9/4/09  
 Test: 1668 PCB Batch Number: 925180 SOP Reference Number: SAC JDP-00013  
 Extraction: 1. Soxhlet On: 11:30 Off:            2. Soxhlet On: NA Off: NA

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or $\mu$ L) (circle one)	Final Conc'n
<u>G9I030266- MB</u>	<u>pwf/van</u>	<u>9/4/09 cr kw</u>			<u>20.0</u>	
<u>- LCS</u>					<u>20.0</u>	
<u>- 1</u>					<u>20.0</u>	
<u>- 2</u>			<u>1</u>		<u>20.0</u>	<u>1</u>
<u>- 3</u>			<u>9-909</u>		<u>20.0</u>	<u>9-909</u>
<u>- 4</u>					<u>20.0</u>	
<u>- 5</u>					<u>20.0</u>	

All Samples/ Internal Standard (IS) addition: Standard Name: 1668 PCB daily ES EXP:  
 Spike ID Number: 09DXN287 Volume: 200  $\mu$ l  Conc. 20 pg/ $\mu$ l 8/24/10  
 Spiked By: [Signature] Witnessed By: [Signature] Date: 9/4/09

LCS/LCSD: Standard Name: 1668 PCB daily NS  
 Spike ID Number: 09DXN186 Volume: 200  $\mu$ l  Conc. 2040 pg/ $\mu$ l 5/20/10  
 Spiked By: [Signature] Witnessed By: [Signature] Date: 9/4/09

Pre-spike samples: MB only Standard Name: 1668 PCB daily surf  
 Spike ID Number: 09DXN284 Volume: 40  $\mu$ l  Conc. 100 pg/ $\mu$ l 4/29/10  
 Spiked By: [Signature] Witnessed By: [Signature] Date: 9/4/09

All Samples /Recovery Standard: Standard Name: Daily RS  
 Spike ID Number: 09DXN094 Volume: 20  $\mu$ l  Conc. 100 pg/ $\mu$ l  
 Spiked By: [Signature] Witnessed By: T.L Date: 9-9-09

Split/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
<u>T.L 09/09/09</u>	<u>—</u>	<u>—</u>	<u>T.L 09/09/09</u>	<u>—</u>

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
DCM	JT Baker	<u>NA</u>	20% DCM:Hexane	NA	NA
<u>Toluene</u>	JT Baker	<u>G49N51</u>	65% DCM:Hexane	NA	NA
Hexane	JT Baker	<u>NA H08E72</u>	Silica Gel	<u>Whatman</u>	<u>22-22</u>
H2SO4	JT Baker	<u>NA</u>	Acid Alumina	NA	NA

Comments: \_\_\_\_\_

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 9/28/09  
Time: 16:38:22

LEV	LEV	LEV	LEV
1	2	1	2
-	-	-	-
-	-	-	-
-	-	-	-

Weights/Volumes  
Spike & Surrogate Worksheet  
Vial contains correct volume  
Labels, greenbars, worksheets  
computer batch: correct & all match  
Anomalies to Extraction Method

Expanded Deliverable  
COC Completed  
Bench Sheet Copied  
Package Submitted to Analytical Group  
Bench Sheet Copied per COC

Extractionist: \_\_\_\_\_

Concentrationist: \_\_\_\_\_

\*\*\*\*\*  
\* QC BATCH: 9251180 \*  
\* PREP DATE: 9/03/09 15:30  
\* COMP DATE: 9/09/09 17:00  
\*\*\*\*\*

Reviewer/Date: \_\_\_\_\_ / 0/00/00

PCBS, HRGC/HRMS (1658)  
SOXHLET (NONE, Na2SO4)

EXTR	ANL	LOT#	MSRUN#	TEST	EXT	MTH	MATRIX	INIT	FIN	PH'S	ADJ1	ADJ2	EXTRACTION	VOL	EXCHANGE	VOL	SOLVENTS	SPIKE STANDARD/ SURROGATE ID	
EXPR	DUE	WORK	ORDER	FLGS	Q8	AIR		WT/VOL											
8/08/10	9/25/09	G9I030266-001	LKAF2-1-AA	D	11	Q8	AIR	1	20.00uL	NA	NA	NA	NA	NA	NA	NA	.0	.0	
COMMENTS:																			
8/08/10	9/25/09	G9I030266-002	LKAGK-1-AA	D	11	Q8	AIR	1	20.00uL	NA	NA	NA	NA	NA	NA	NA	.0	.0	
COMMENTS:																			
8/08/10	9/25/09	G9I030266-003	LKAGQ-1-AA	D	11	Q8	AIR	1	20.00uL	NA	NA	NA	NA	NA	NA	NA	.0	.0	
COMMENTS:																			
8/08/10	9/25/09	G9I030266-004	LKAGT-1-AA	D	11	Q8	AIR	1	20.00uL	NA	NA	NA	NA	NA	NA	NA	.0	.0	
COMMENTS:																			
8/08/10	9/25/09	G9I030266-005	LKAGV-1-AA	D	11	Q8	AIR	1	20.00uL	NA	NA	NA	NA	NA	NA	NA	.0	.0	
COMMENTS:																			
8/08/10	0/00/00	G9I080000-180	LKFNQ-1-AAB		11	Q8	AIR	1	20.00uL	NA	NA	NA	NA	NA	NA	NA	.0	.0	
COMMENTS:																			
8/08/10	0/00/00	G9I080000-180	LKFNQ-1-ACC		11	Q8	AIR	1	20.00uL	NA	NA	NA	NA	NA	NA	NA	.0	.0	
COMMENTS:																			

R = RUSH  
E = EPA 600  
C = CLP  
D = EXP.DEL)

NUMBER OF WORK ORDERS IN BATCH:

7

Data Checklist  
HRGCMS/LRGCMS Analyses

Lot ID #: G9I0302L6 Method ID: 1668  
Sample #: 1-5

Data Analyst: VJ  
Date initiated: 9-28-09  
Reviewer: SMK  
Date reviewed: 9/28/09

DB-225  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

QA/QC verification:

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Method Blank present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-LCS/DCS copy present and meets native recovery criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard recoveries within limits?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Ion ratios within + 15% of theoretical values?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Other QC (Dup,MS,SD) within specs?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Analysis:

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All raw data present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Standard target DL's used? (If RL's are used specify: <u>100</u> )	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-DL's below TD/LCL (please circle)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All positives reported at levels greater than method blank DL's?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Correct RRF's used for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard amounts correct for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Target analytes are not saturated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Dilution/splitting of extract taken into account?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Have dilution calculations been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Has a manual calculation for the sequence(s) been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
-Are retention times (RT) correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Manual integrations checked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments: (Use other side if necessary)

(1) SEC NCM

\* Recovery limits:

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%*** (C14-C16), 25-130% (C17-B), 70-130% (sur.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614	25-150%***

\*\*RPD limits:

50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I S S/N ≥ 10 1 and DL's are <LCL for target analytes

## Preparation Data Review Checklist

Prep Batch(es) 9251180 Test: DX1668-A  
 Prep Date: 9/4/09 Holding Times: 6/8/10 NCM: Y N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: [Signature] Date: 9/4/09  
 2<sup>nd</sup> Level Reviewer: [Signature] Date: 9/9/09  
 Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# SOLID, D 2216-90, %Moisture



# % Moisture/Solid Worksheet

QCBATCH: 9265223

Analyzed by: FRANCISF

Report created: 9/23/09 8:38:07 AM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G9I030266-6	LKAGX1AA	1.29	1.87	1.86	0.01	1.72	98.28	0.1		9/23/09 8:28:24 AM
G9I030266-7	LKAG21AA	1.29	6.75	6.74	0.01	0.18	99.82	0.1		9/23/09 8:28:41 AM
G9I080212-21	LKGKL1AA	1.29	8.34	2.89	5.45	77.30	22.70	0.1		9/23/09 8:28:48 AM
G9I080212-22	LKGKM1AA	1.28	10.60	5.75	4.85	52.04	47.96	0.1		9/23/09 8:28:56 AM
G9I090240-1	LKHWJ1AA	1.28	7.20	1.34	5.86	98.99	1.01	0.1		9/23/09 8:29:19 AM
G9I090291-1	LKH921AA	1.28	6.28	2.32	3.96	79.20	20.80	0.10		9/23/09 8:37:53 AM
G9I110327-1	LKNPH1AD	1.28	6.56	6.51	0.05	0.95	99.05	0.1		9/23/09 8:29:33 AM
G9I110327-1	LKNPH1AE	1.28	6.29	6.25	0.04	0.80	99.20	0.1		9/23/09 8:29:41 AM
G9I110327-2	LKNP51AD	1.28	8.19	8.12	0.07	1.01	98.99	0.1		9/23/09 8:29:48 AM
G9I110327-3	LKNP61AD	1.28	8.31	8.28	0.03	0.43	99.57	0.1		9/23/09 8:29:53 AM
G9I110327-4	LKNP71AD	1.28	10.87	10.79	0.08	0.83	99.17	0.1		9/23/09 8:29:58 AM
G9I110327-5	LKNP81AD	1.28	10.47	10.36	0.11	1.20	98.80	0.1		9/23/09 8:30:04 AM
G9I110327-6	LKNQF1AD	1.28	8.78	8.68	0.10	1.33	98.67	0.1		9/23/09 8:30:10 AM
G9I110327-7	LKNQG1AD	1.28	8.56	8.43	0.13	1.79	98.21	0.1		9/23/09 8:30:17 AM
G9I110327-8	LKNQH1AD	1.28	7.63	7.61	0.02	0.31	99.69	0.1		9/23/09 8:30:23 AM
G9I110327-9	LKNQJ1AD	1.28	5.97	5.90	0.07	1.49	98.51	0.1		9/23/09 8:30:27 AM
G9I110327-10	LKNQK1AD	1.28	6.25	6.18	0.07	1.41	98.59	0.1		9/23/09 8:30:32 AM
G9I110355-1	LKN1V1AA	1.28	4.36	4.34	0.02	0.65	99.35	0.10		9/23/09 8:30:37 AM
G9I110362-1	LKN191AA	1.28	6.16	4.79	1.37	28.07	71.93	0.10		9/23/09 8:30:42 AM
G9I120189-1	LKP191AD	1.28	7.66	7.53	0.13	2.04	97.96	0.1		9/23/09 8:30:47 AM

All weights are in grams

Sample weights (wet & dry) include the weight (tare) of the sample pan.

Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).

% Water = (Wt. Diff/(sample wet weight - pan tare))\*100

% Solid = 100 - percent Water

September 30, 2009

**TestAmerica Project Number: G9H050321**

PO/Contract: 0742-816-02

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on August 5, 2009. These samples are associated with your KHF project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

CC: Huntington

## Table of Contents

# TestAmerica West Sacramento Project Number G9H050321

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5, 6, 7, 8

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

WATER, 1668, WHO PCB congeners

Sample: 9

Sample Data Sheet

Method Blank Report

Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture

Samples: 1, 2, 3, 4, 5, 6, 7, 8

Sample Data Sheets

Laboratory QC Reports

Full Raw Data Package

## Case Narrative

### TestAmerica West Sacramento Project Number G9H050321

#### General Comments

The temperature blank for sample 090903-N-VD-SHE was received at 7 degrees Celsius. Sample 090804-SE-D-SHE was also received at 7 degrees Celsius, with the temperature blank at 8 degrees Celsius. Wet ice was used as a cooling agent.

Each solid sample had 10 separate jars. As requested, all 10 jars were homogenized & composited. The material in each of the 10 jars was homogenized by blending it in a food processor with dry ice. After all 10 jars were homogenized, the samples were composited. These composite samples were used for the PCB analyses and percent moisture calculations.

#### SOLID, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5

The PCB 77 detection limits have been elevated for these samples due to matrix interferences. These elevated detection limits have been flagged with a "G" qualifier and may be considered maximum possible concentrations.

Samples: 6, 7, 8

The PCB 77 & PCB 123 detection limits have been elevated for these samples due to matrix interferences. These elevated detection limits have been flagged with a "G" qualifier and may be considered maximum possible concentrations.

There are no other anomalies associated with this project.

**TestAmerica Laboratories West Sacramento Certifications/Accreditations**

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	NA

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

**QC Parameter Definitions**

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G9H050321

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LHKPR	1	090803-N-VD-SEH 10:1 COMPOSITE	8/3/2009 09:03 AM	8/5/2009 09:15 AM
LHKP3	2	090803-SW-VD-SEH 10:1 COMPOSITE	8/3/2009 02:51 PM	8/5/2009 09:15 AM
LHKP4	3	090803-NE-VD-SEH 10:1 COMPOSITE	8/3/2009 08:55 AM	8/5/2009 09:15 AM
LHKP6	4	090803-W-VD-SEH 10:1 COMPOSITE	8/3/2009 01:51 PM	8/5/2009 09:15 AM
LHKP8	5	090803-NW-VD-SEH 10:1 COMPOSITE	8/3/2009 11:25 AM	8/5/2009 09:15 AM
LHKP9	6	090804-S-VD-SEH 10:1 COMPOSITE	8/4/2009 08:42 AM	8/5/2009 09:15 AM
LHKQD	7	090804-B18-VD-SEH 10:1 COMPOSITE	8/4/2009 09:46 AM	8/5/2009 09:15 AM
LHKQG	8	090804-SE-VD-SEH 10:1 COMPOSITE	8/4/2009 12:37 PM	8/5/2009 09:15 AM
LHKQH	9	090804-SE-R-SEH	8/4/2009 11:50 AM	8/5/2009 09:15 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Temperature on Receipt \_\_\_\_\_ Drinking Water? Yes  No

TAL-4124 (1007)

Client: **Chemical Waste Management, Inc.** Project Manager: **Paul Turek** Chain of Custody Number: **107209**

Address: **35251 Old Skyline Road** Telephone Number (Area Code)/Fax Number: **(554) 386-6151** Page **1** of **1**

City: **Kettleman City** State: **CA** Zip Code: **93239** Site Contact: **Steve Holshouser** Lab Contact: **Karen Dahl**

Project Name and Location (State): **KHF** Contract/Purchase Order/Quote No: **0742-816-02**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Soil	Unpres	H2SO4	HNO3	HCl	NaOH		ZnAc/NaOH
090803-N-1-VD-SEH	8/3/09	903			X							
090803-N-2-VD-SEH		913			X							
090803-N-3-VD-SEH		921			X							
090803-N-4-VD-SEH		930			X							
090803-N-5-VD-SEH		936			X							
090803-N-6-VD-SEH		944			X							
090803-N-7-VD-SEH		950			X							
090803-N-8-VD-SEH		957			X							
090803-N-9-VD-SEH		1004			X							
090803-N-10-VD-SEH		1000			X							

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Disposal By Lab  Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Sample Disposal:  Return To Client  OC Requirements (Specify)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: STD

1. Relinquished By: SEE Alan Date: 08/04/09 Time: 1700

2. Relinquished By: Cayla Date: 8-5-09 Time: 1100

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **\*1/2 WHO RB Congeners Composite samples on this sheet for analysis**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

WB 75L 6.0C

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt  Yes  No  
 Drinking Water?  Yes  No

## Chain of Custody Record

TAL-4124 (1/007)

Client: **Chemical Waste Management, Inc.** Project Manager: **Paul Turek** Date: **8/3/09** Chain of Custody Number: **109537**  
 Address: **35251 Old Skyline Rd** Telephone Number (Area Code)/Fax Number: **(559) 386-6151** Lab Number: **109537**  
 City: **Kettleman City** State: **CA** Zip Code: **93229** She Contact: **Steve Holshouser** Lab Contact: **Karen Dahl** Page: **1** of **1**  
 Project Name and Location (State): **KHF** Carrier/Waybill Number: **0742-816-02**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl			NaOH	ZnAc
090803-SW-1 - VD - SEH	8/3/09	1451				X								
090803-SW-2 - VD - SEH		1457				X								
090803-SW-3 - VD - SEH		1505				X								
090803-SW-4 - VD - SEH		1513				X								
090803-SW-5 - VD - SEH		1520				X								
090803-SW-6 - VD - SEH		1531				X								
090803-SW-7 - VD - SEH		1540				X								
090803-SW-8 - VD - SEH		1550				X								
090803-SW-9 - VD - SEH		1600				X								
090803-SW-10 - VD - SEH		1610				X								

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**

1. Relinquished By: **SEE FILE** Date: **08/04/09** Time: **1700**  
 2. Relinquished By: **CHAD** Date: **8-5-09** Time: **1330**  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **\* 12 WHO PCB Congeners Composite samples listed on sheet for analysis**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



# Chain of Custody Record

# TestAmerica

TAL-4124 (1007)

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

Client: **Chemical Waste Management Inc**  
 Address: **35251 Old Skyline Rd**  
 City: **Kettleman City** State: **CA** Zip Code: **93239**  
 Project Name and Location (State): **KHF**  
 Contract/Purchase Order/Quote No: **0742-816-02**

Project Manager: **Paul Turck**  
 Telephone Number (Area Code)/Fax Number: **(539) 386-6151**  
 Site Contact: **Steve Holshouer** Lab Contact: **Karen Dahl**  
 Carrier/Waybill Number: \_\_\_\_\_

Date: **8/3/09** Chain of Custody Number: **109534**  
 Page **1** of **1**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives						Special Instructions/ Conditions of Receipt	
			Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		
090803-NE-1-VD-SEH	8/3/09	855			X	X	X	X	X	X	X	X	
090803-NE-2-VD-SEH		848			X	X	X	X	X	X	X	X	
090803-NE-3-VD-SEH		842			X	X	X	X	X	X	X	X	
090803-NE-4-VD-SEH		835			X	X	X	X	X	X	X	X	
090803-NE-5-VD-SEH		828			X	X	X	X	X	X	X	X	
090803-NE-6-VD-SEH		820			X	X	X	X	X	X	X	X	
090803-NE-7-VD-SEH		815			X	X	X	X	X	X	X	X	
090803-NE-8-VD-SEH		810			X	X	X	X	X	X	X	X	
090803-NE-9-VD-SEH		755			X	X	X	X	X	X	X	X	
090803-NE-10-VD-SEH		805			X	X	X	X	X	X	X	X	

Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Turn Around Time Required  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**

Sample Disposal  
 Return To Client  Disposal By Lab  Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)  
 1. Received By: **[Signature]** Date: **8-5-09** Time: **1330**  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **\* 12 WHO PCB Containers Composite samples listed on this sheet for analysis**

# TestAmerica

4

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1007)

Client: **Chemical Waste Management, Inc.** Project Manager: **Paul Turek** Chain of Custody Number: **109536**

Address: **3525-1 Old Skyline Rd.** Telephone Number (Area Code)/Fax Number: **(559) 586-6151** Page **1** of **1**

City: **Kettleman City** State: **CA** Zip Code: **93239** Lab Contact: **Karen Dahl**

Project Name and Location (State): **Kettleman City** Carrier/Waybill Number: \_\_\_\_\_

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Sed	Soil	Ice	Unpres	H2SO4	HNO3	HCl	NaOH			ZnAc	NaOH	
090803-W-1-VD-SEH	8/3/09	1351				X					X						
090803-W-2-VD-SEH		1356				X					X						
090803-W-3-VD-SEH		1401				X					X						
090803-W-4-VD-SEH		1410				X					X						
090803-W-5-VD-SEH		1415				X					X						
090803-W-6-VD-SEH		1420				X					X						
090803-W-7-VD-SEH		1426				X					X						
090803-W-8-VD-SEH		1431				X					X						
090803-W-9-VD-SEH		1438				X					X						
090803-W-10-VD-SEH		1444				X					X						

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Disposal By Lab  Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

Sample Disposal:  Return To Client  Disposal By Lab  Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other **STD**

1. Relinquished By: **See John** Date: **08/04/09** Time: **1700**

2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: **[Signature]** Date: **8-5-09** Time: **1345**

2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **\* 12 WHO PCB Congeners Composite Samples on this sheet for analysis**

DISTRIBUTION: WHITE - Returned to Client with Report, CANARY - Stays with the Sample, PINK - Field Copy

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

5

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1007)

Client: **Chemical Waste Management, Inc.** Project Manager: **Paul Turak** Chain of Custody Number: **109535**

Address: **35251 Old Skyline Rd.** Telephone Number (Area Code)/Fax Number: **(559) 386-6151** Page **1** of **1**

City: **Kettleman City** State: **CA** Zip Code: **93239** Lab Contact: **Karen Rahl**

Project Name and Location (State): **KHF** Carrier/Waybill Number: **1661**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Special Instructions/ Conditions of Receipt												
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl		NaOH	ZnAc/NaOH										
090803-NW-1-VD-SEH	8/3/09	1125				X																	
090803-NW-2-VD-SEH		1131				X																	
090803-NW-3-VD-SEH		1143				X																	
090803-NW-4-VD-SEH		1152				X																	
090803-NW-5-VD-SEH		1159				X																	
090803-NW-6-VD-SEH		1208				X																	
090803-NW-7-VD-SEH		1217				X																	
090803-NW-8-VD-SEH		1222				X																	
090803-NW-9-VD-SEH		1230				X																	
090803-NW-10-VD-SEH		1237				X																	

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: STD

1. Relinquished By: See Her Date: 8/10/09 Time: 1700

2. Relinquished By: Paul Turak Date: 8-5-09 Time: 1345

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \* 12 WHO PCB Congeners Composite listed samples on this chain for 1 analysis

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - stays with the Sample; PINK - Field Copy

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1/007)

Client: **Chemical Waste Management, Inc.**  
 Address: **35251 Old Skyline Rd**  
 City: **Kettleman City** State: **CA** Zip Code: **93259**  
 Project Name and Location (State): **KHF**  
 Contract/Purchase Order/Quote No.: **0742-816-02**

Project Manager: **Paul Turlek**  
 Telephone Number (Area Code)/Fax Number: **(559) 386-6151**  
 Site Contact: **Steve Holshouser** Lab Contact: **Karen Dahl**  
 Date: **8/4/09** Chain of Custody Number: **109549**  
 Page **1** of **1**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Special Instructions/ Conditions of Receipt			
			Air	Soil	Sed	Water	Other	Unpres	H2SO4	HNO3	HCl	NaOH		ZnAc/NaOH		
090804-5-1-VD-SEH	8/4/09	842		X												
090804-5-2-VD-SEH		825		X												
090804-5-3-VD-SEH		814		X												
090804-5-4-VP-SEH		807		X												
090804-5-5-VP-SEH		801		X												
090804-5-6-VP-SEH		0752		X												
090804-5-7-VP-SEH		740		X												
090804-5-8-VP-SEH		730		X												
090804-5-9-VP-SEH		722		X												
090804-5-10-VP-SEH		705		X												

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**

1. Relinquished By: **SE & Zhan** Date: **08/10/09** Time: **1700**  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: **Chy A** Date: **9-5-09** Time: **1100**  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **# 12 WHO PCB Composites Composite samples on this sheet for analysis**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

# TestAmerica

Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

THE LEADER IN ENVIRONMENTAL TESTING

## Chain of Custody Record

G9H050321

TAL-4124 (1007)  
 Client: **Chemical Waste Management, Inc.**  
 Address: **35251 Old Skyline Rd.**  
 City: **Kettleman City** State: **CA** Zip Code: **93239**  
 Project Name and Location (State): **KHF**  
 Contract/Purchase Order/Quote No.: **0742-816-02**  
 Project Manager: **Paul Terek**  
 Telephone Number (Area Code)/Fax Number: **(559) 386-6151**  
 Site Contact: **Steve Holshouer** Lab Contact: **Karen Dahl**  
 Carrier/Waybill Number: \_\_\_\_\_  
 Date: **8/4/09** Chain of Custody Number: **109546**  
 Lab Number: \_\_\_\_\_ Page **1** of **1**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
070804-B18-1-VP-SEH	8/4/09	946												
090804-B18-2-VP-SEH		941												
070804-B18-3-VP-SEH		936												
070804-B18-4-VP-SEH		933												
090804-B18-5-VP-SEH		926												
070804-B18-6-VP-SEH		922												
090804-B18-7-VP-SEH		917												
070804-B18-8-VP-SEH		911												
090804-B18-9-VP-SEH		201												
070804-B18-10-VP-SEH		857												

Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other **STD**

1. Relinquished By **SE E. Huber** Date **08/04/09** Time **1700**  
 2. Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
 3. Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

1. Received By **Cliff Bly** Date **8-5-09** Time **1330**  
 2. Received By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
 3. Received By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Comments: **# 12 WHO PCB Congeners Composite samples listed on this sheet for analysis**

12 of 126

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

8

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1/007)

Client: **Chemical Waste Management Inc** Project Manager: **Paul Turek** Date: **8/4/09** Chain of Custody Number: **1095550**

Address: **32551 Old Skyline Rd** Telephone Number (Area Code)/Fax Number: **559-386-6157** Lab Number: \_\_\_\_\_ Page: **1** of **1**

City: **Kettleman City** State: **CA** Zip Code: **93239** Site Contact: **Steve Holschower** Lab Contact: **Karen Dahl** Analysis (Attach list if more space is needed)

Project Name and Location (State): **KHF** Garner/Waybill Number: \_\_\_\_\_

Contract/Purchase Order/Quote No.	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Special Instructions/ Conditions of Receipt				
				Air	Sed	Soil	Umpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH						
0792-816-02	090804-SE-1-VO-SEH	8/4/09	1237				VP											
	090804-SE-2-VO-SEH		1232				+											
	090804-SE-3-VO-SEH		1224				+											
	090804-SE-4-VO-SEH		1217				+											
	090804-SE-5-VO-SEH		1208				+											
	090804-SE-6-VO-SEH		1203				+											
	090804-SE-7-VO-SEH		1158				+											
	090804-SE8-VO-SEH		1150				+											
	090804-SE9-VO-SEH		1139				+											
	090804-SE10-VO-SEH		1128				+											
	090804-SE-R-SEH		1150				X											

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **5std**

QC Requirements (Specify): \_\_\_\_\_

1. Relinquished By: **Steve E Hall** Date: **08/04/09** Time: **1700**

2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: **Chy/kyg** Date: **8-5-09** Time: **1345**

2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **12 WHO Pub longeners, Composite Samples listed on sheet for Analysis**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



THE LEADER IN ENVIRONMENTAL TESTING

### LOT RECEIPT CHECKLIST TestAmerica West Sacramento

CLIENT Chemical Waste / Leach PM KD LOG # 39807  
 LOT# (QUANTIMS ID) 99H050321 QUOTE# 81307 LOCATION WF 1 N120

DATE RECEIVED 8-5-09 TIME RECEIVED 9:15 Initials AW Date 8-5-09

DELIVERED BY  FEDEX  CA OVERNIGHT  CLIENT  
 AIRBORNE  GOLDENSTATE  DHL  
 UPS  BAX GLOBAL  GO-GETTERS  
 TAL COURIER  VALLEY LOGISTICS  MORGAN HILL COURIER  
 OTHER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) \_\_\_\_\_

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER \_\_\_\_\_

COC #(S) \_\_\_\_\_

TEMPERATURE BLANK Observed: Sel temp. Sheets Corrected: Sheets

SAMPLE TEMPERATURE Observed: Sel temp. sheets Average: \_\_\_\_\_ Corrected Average: \_\_\_\_\_

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELLED BY \_\_\_\_\_

LABELS CHECKED BY \_\_\_\_\_

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)\*1  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Notes: 090803-n-KD-SEH TDE7°C  
090804-SE-" " @7 + TB @ 8°C

\*1 Acceptable temperature range for State of Wisconsin samples is  $\leq 4^{\circ}C$

CLIENT: C W M LOT# (QUANTIMS ID): G9H050321

TEMPERTURE RECORD (IN °C) IR  4  5  OTHER \_\_\_\_\_ INITIALS AK DATE 8-5-09

COOLER ID 1  
 CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
 CUSTODY SEAL #(S) 554956  
 COC #(S) 107209  
 TEMPERATURE BLANK: OBSERVED: 7 CORRECTED: 7  
 SAMPLE TEMPERATURE:  
 OBSERVED: 5 6 7 AVERAGE: 6 CORRECTED: 6  
 SAMPLES / TESTS (IF NCM REQUIRED):  
wet ice on top

COOLER ID 2  
 CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
 CUSTODY SEAL #(S) 413882  
 COC #(S) 109549  
 TEMPERATURE BLANK: OBSERVED: 6 CORRECTED: 6  
 SAMPLE TEMPERATURE:  
 OBSERVED: 5 6 7 AVERAGE: 6 CORRECTED: 6  
 SAMPLES / TESTS (IF NCM REQUIRED):

COOLER ID 3  
 CUSTODY SEAL STATUS  INTACT  BROKEN  N/A  
 CUSTODY SEAL #(S) 447892  
 COC #(S) 109537  
 TEMPERATURE BLANK: OBSERVED: 4 CORRECTED: 4  
 SAMPLE TEMPERATURE:  
 OBSERVED: 3 4 5 AVERAGE: 4 CORRECTED: 4  
 SAMPLES / TESTS (IF NCM REQUIRED):

INITIALS	DATE
AK	8-5-09

LEAVE NO SPACES BLANK USE "N/A" IF NOT APPLICABLE QA-185 4/09 RKE



Lot ID:                     G9H050321                    

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ	10	10	10	10	10	10	10	10	10	4										
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 4/09 RKE

LEAVE NO SPACES BLANK. USE "NA" IF NOT APPLICABLE.

# SOLID, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: 090803-N-VD-SEH 10:1 COMPOSITE

Trace Level Organic Compounds

Lot-Sample #....: G9H050321-001    Work Order #....: LHKPR2AC    Matrix.....: SOLID  
 Date Sampled...: 08/03/09    Date Received...: 08/05/09  
 Prep Date.....: 08/29/09    Analysis Date...: 09/02/09  
 Prep Batch #....: 9240452  
 Dilution Factor: 0.98  
 % Moisture.....: 6.8

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	4.1	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.1	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>7.9 C</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	2.1	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>16 C</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.1	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	92	(25 - 150)
13C12-PCB 81	92	(25 - 150)
13C12-PCB 118	93	(25 - 150)
13C12-PCB 114	88	(25 - 150)
13C12-PCB 105	96	(25 - 150)
13C12-PCB 126	85	(25 - 150)
13C12-PCB 167	80	(25 - 150)
13C12-PCB 156	98	(25 - 150)
13C12-PCB 157	94	(25 - 150)
13C12-PCB 169	88	(25 - 150)
13C12-PCB 189	103	(25 - 150)

**NOTE (S) :**

- Results and reporting limits have been adjusted for dry weight.  
 G Elevated reporting limit. The reporting limit is elevated due to matrix interference  
 C Co-eluting isomer

Wenck Associates, Inc.

Client Sample ID: 090803-SW-VD-SEH 10:1 COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9H050321-002    Work Order #...: LHKP32AC    Matrix.....: SOLID  
 Date Sampled...: 08/03/09    Date Received...: 08/05/09  
 Prep Date.....: 08/29/09    Analysis Date...: 09/02/09  
 Prep Batch #...: 9240452  
 Dilution Factor: 0.99  
 % Moisture.....: 7.5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	6.9	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.1	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>13 C</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	2.1	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>21 C</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.1	pg/g	EPA-14 1668
<b>PCB 156 (BZ)</b>	<b>2.3</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 157 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.1	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	99	(25 - 150)
13C12-PCB 81	102	(25 - 150)
13C12-PCB 118	108	(25 - 150)
13C12-PCB 114	100	(25 - 150)
13C12-PCB 105	107	(25 - 150)
13C12-PCB 126	99	(25 - 150)
13C12-PCB 167	89	(25 - 150)
13C12-PCB 156	110	(25 - 150)
13C12-PCB 157	103	(25 - 150)
13C12-PCB 169	96	(25 - 150)
13C12-PCB 189	58	(25 - 150)

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

C Co-eluting isomer

Wenck Associates, Inc.

Client Sample ID: 090803-NE-VD-SEH 10:1 COMPOSITE

Trace Level Organic Compounds

Lot-Sample #....: G9H050321-003    Work Order #....: LHKP42AC    Matrix.....: SOLID  
 Date Sampled....: 08/03/09    Date Received...: 08/05/09  
 Prep Date.....: 08/29/09    Analysis Date...: 09/02/09  
 Prep Batch #....: 9240452  
 Dilution Factor: 0.97  
 % Moisture.....: 11

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	5.1	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.2	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>10 C</b>	<b>2.2</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	2.2	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>18 C</b>	<b>2.2</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.2	pg/g	EPA-14 1668
<b>PCB 156 (BZ)</b>	<b>2.2</b>	<b>2.2</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 157 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.2	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	95	(25 - 150)
13C12-PCB 81	100	(25 - 150)
13C12-PCB 118	99	(25 - 150)
13C12-PCB 114	94	(25 - 150)
13C12-PCB 105	96	(25 - 150)
13C12-PCB 126	84	(25 - 150)
13C12-PCB 167	95	(25 - 150)
13C12-PCB 156	110	(25 - 150)
13C12-PCB 157	119	(25 - 150)
13C12-PCB 169	126	(25 - 150)
13C12-PCB 189	69	(25 - 150)

**NOTE(S) :**

- Results and reporting limits have been adjusted for dry weight.
- G Elevated reporting limit. The reporting limit is elevated due to matrix interference
- C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: 090803-W-VD-SEH 10:1 COMPOSITE

Trace Level Organic Compounds

Lot-Sample #....: G9H050321-004    Work Order #....: LHKP62AC    Matrix.....: SOLID  
 Date Sampled....: 08/03/09    Date Received...: 08/05/09  
 Prep Date.....: 08/29/09    Analysis Date...: 09/02/09  
 Prep Batch #....: 9240452  
 Dilution Factor: 0.99  
 % Moisture.....: 8.1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	6.3	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.2	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>12 C</b>	<b>2.2</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	2.2	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>19 C</b>	<b>2.2</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.2	pg/g	EPA-14 1668
<b>PCB 156 (BZ)</b>	<b>2.2</b>	<b>2.2</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 157 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.2	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	95	(25 - 150)
13C12-PCB 81	98	(25 - 150)
13C12-PCB 118	101	(25 - 150)
13C12-PCB 114	94	(25 - 150)
13C12-PCB 105	97	(25 - 150)
13C12-PCB 126	79	(25 - 150)
13C12-PCB 167	88	(25 - 150)
13C12-PCB 156	117	(25 - 150)
13C12-PCB 157	115	(25 - 150)
13C12-PCB 169	118	(25 - 150)
13C12-PCB 189	74	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.  
 G Elevated reporting limit. The reporting limit is elevated due to matrix interference.  
 C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: 090803-NW-VD-SEH 10:1 COMPOSITE

Trace Level Organic Compounds

Lot-Sample #....: G9H050321-005    Work Order #....: LHKP82AC    Matrix.....: SOLID  
 Date Sampled....: 08/03/09    Date Received...: 08/05/09  
 Prep Date.....: 08/29/09    Analysis Date...: 09/02/09  
 Prep Batch #....: 9240452  
 Dilution Factor: 0.98  
 % Moisture.....: 8.0

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	5.2	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.1	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>8.6 C</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	2.1	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>16 C</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.1	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	91	(25 - 150)
13C12-PCB 81	94	(25 - 150)
13C12-PCB 118	97	(25 - 150)
13C12-PCB 114	84	(25 - 150)
13C12-PCB 105	95	(25 - 150)
13C12-PCB 126	78	(25 - 150)
13C12-PCB 167	71	(25 - 150)
13C12-PCB 156	107	(25 - 150)
13C12-PCB 157	98	(25 - 150)
13C12-PCB 169	96	(25 - 150)
13C12-PCB 189	46	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.  
 G Elevated reporting limit The reporting limit is elevated due to matrix interference.  
 C Co-eluting isomer

Wenck Associates, Inc.

Client Sample ID: 090804-S-VD-SEH 10:1 COMPOSITE

Trace Level Organic Compounds

Lot-Sample #...: G9H050321-006    Work Order #...: LHKP92AC    Matrix.....: SOLID  
 Date Sampled...: 08/04/09    Date Received...: 08/05/09  
 Prep Date.....: 08/29/09    Analysis Date...: 09/02/09  
 Prep Batch #...: 9240452  
 Dilution Factor: 0.99  
 % Moisture.....: 12

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	70	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.3	pg/g	EPA-14 1668
PCB 105 (BZ)	130 C	2.3	pg/g	EPA-14 1668
PCB 114 (BZ)	5.4	2.3	pg/g	EPA-14 1668
PCB 118 (BZ)	180 C	2.3	pg/g	EPA-14 1668
PCB 123 (BZ)	ND G	6.5	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.3	pg/g	EPA-14 1668
PCB 156 (BZ)	21	2.3	pg/g	EPA-14 1668
PCB 157 (BZ)	4.8	2.3	pg/g	EPA-14 1668
PCB 167 (BZ)	12	2.3	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.3	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.3	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	106	(25 - 150)
13C12-PCB 81	110	(25 - 150)
13C12-PCB 118	116	(25 - 150)
13C12-PCB 114	109	(25 - 150)
13C12-PCB 105	112	(25 - 150)
13C12-PCB 126	98	(25 - 150)
13C12-PCB 167	111	(25 - 150)
13C12-PCB 156	131	(25 - 150)
13C12-PCB 157	140	(25 - 150)
13C12-PCB 169	143	(25 - 150)
13C12-PCB 189	67	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.  
 G Elevated reporting limit. The reporting limit is elevated due to matrix interference.  
 C Co-eluting isomer.



Wenck Associates, Inc.

Client Sample ID: 090804-B18-VD-SEH 10:1 COMPOSITE

Trace Level Organic Compounds

Lot-Sample #....: G9H050321-007    Work Order #....: LHKQD2AC    Matrix.....: SOLID  
 Date Sampled....: 08/04/09    Date Received...: 08/05/09  
 Prep Date.....: 08/29/09    Analysis Date...: 09/03/09  
 Prep Batch #....: 9240452  
 Dilution Factor: 0.99  
 % Moisture.....: 10

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	170	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 105 (BZ)	310 C	2.2	pg/g	EPA-14 1668
PCB 114 (BZ)	21	2.2	pg/g	EPA-14 1668
PCB 118 (BZ)	520 C	2.2	pg/g	EPA-14 1668
PCB 123 (BZ)	ND G	31	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.2	pg/g	EPA-14 1668
PCB 156 (BZ)	99	2.2	pg/g	EPA-14 1668
PCB 157 (BZ)	16	2.2	pg/g	EPA-14 1668
PCB 167 (BZ)	63	2.2	pg/g	EPA-14 1668
PCB 169 (BZ)	3.2	2.2	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.2	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	103	(25 - 150)
13C12-PCB 81	109	(25 - 150)
13C12-PCB 118	108	(25 - 150)
13C12-PCB 114	101	(25 - 150)
13C12-PCB 105	106	(25 - 150)
13C12-PCB 126	105	(25 - 150)
13C12-PCB 167	97	(25 - 150)
13C12-PCB 156	121	(25 - 150)
13C12-PCB 157	113	(25 - 150)
13C12-PCB 169	106	(25 - 150)
13C12-PCB 189	91	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.

G Elevated reporting limit The reporting limit is elevated due to matrix interference.

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: 090804-SE-VD-SEH 10:1 COMPOSITE

Trace Level Organic Compounds

Lot-Sample #....: G9H050321-008    Work Order #....: LHKQG2AC    Matrix.....: SOLID  
 Date Sampled....: 08/04/09    Date Received...: 08/05/09  
 Prep Date.....: 08/29/09    Analysis Date...: 09/02/09  
 Prep Batch #....: 9240452  
 Dilution Factor: 0.96  
 % Moisture.....: 8.1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	43	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.1	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>78 C</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
<b>PCB 114 (BZ)</b>	<b>3.5</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
<b>PCB 118 (BZ)</b>	<b>120 C</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND G	5.4	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.1	pg/g	EPA-14 1668
<b>PCB 156 (BZ)</b>	<b>15</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
<b>PCB 157 (BZ)</b>	<b>3.2</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
<b>PCB 167 (BZ)</b>	<b>9.0</b>	<b>2.1</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 169 (BZ)	ND	2.1	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.1	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	105	(25 - 150)
13C12-PCB 81	111	(25 - 150)
13C12-PCB 118	118	(25 - 150)
13C12-PCB 114	112	(25 - 150)
13C12-PCB 105	116	(25 - 150)
13C12-PCB 126	105	(25 - 150)
13C12-PCB 167	93	(25 - 150)
13C12-PCB 156	120	(25 - 150)
13C12-PCB 157	114	(25 - 150)
13C12-PCB 169	108	(25 - 150)
13C12-PCB 189	49	(25 - 150)

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

C Co-eluting isomer

# QC DATA ASSOCIATION SUMMARY

G9H050321

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	ASTM D 2216-90		9236393	9236266
	SOLID	EPA-14 1668		9230392	
	SOLID	EPA-14 1668		9240452	
002	SOLID	ASTM D 2216-90		9236393	9236266
	SOLID	EPA-14 1668		9230392	
	SOLID	EPA-14 1668		9240452	
003	SOLID	ASTM D 2216-90		9236393	9236266
	SOLID	EPA-14 1668		9230392	
	SOLID	EPA-14 1668		9240452	
004	SOLID	ASTM D 2216-90		9236393	9236266
	SOLID	EPA-14 1668		9230392	
	SOLID	EPA-14 1668		9240452	
005	SOLID	ASTM D 2216-90		9236393	9236266
	SOLID	EPA-14 1668		9230392	
	SOLID	EPA-14 1668		9240452	
006	SOLID	ASTM D 2216-90		9236393	9236266
	SOLID	EPA-14 1668		9230392	
	SOLID	EPA-14 1668		9240452	
007	SOLID	ASTM D 2216-90		9236393	9236266
	SOLID	EPA-14 1668		9230392	
	SOLID	EPA-14 1668		9240452	
008	SOLID	ASTM D 2216-90		9236393	9236266
	SOLID	EPA-14 1668		9230392	
	SOLID	EPA-14 1668		9240452	
009	WATER	EPA-14 1668		9225441	

**METHOD BLANK REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9H050321      Work Order #...: LJ16P1AA      Matrix.....: SOLID  
 MB Lot-Sample #: G9H280000-452  
 Prep Date.....: 08/29/09  
 Analysis Date...: 09/02/09      Prep Batch #...: 9240452  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 118 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.0	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	62	(25 - 150)
13C12-PCB 81	64	(25 - 150)
13C12-PCB 118	69	(25 - 150)
13C12-PCB 114	66	(25 - 150)
13C12-PCB 105	69	(25 - 150)
13C12-PCB 126	76	(25 - 150)
13C12-PCB 167	68	(25 - 150)
13C12-PCB 156	85	(25 - 150)
13C12-PCB 157	79	(25 - 150)
13C12-PCB 169	79	(25 - 150)
13C12-PCB 189	101	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9H050321      Work Order #...: LJ16P1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9H280000-452  
 Prep Date.....: 08/29/09      Analysis Date...: 09/02/09  
 Prep Batch #...: 9240452  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	200	188	pg/g	94	EPA-14 1668
PCB 81 (BZ)	200	185	pg/g	92	EPA-14 1668
PCB 105 (BZ)	200	177	pg/g	88	EPA-14 1668
PCB 114 (BZ)	200	188	pg/g	94	EPA-14 1668
PCB 118 (BZ)	200	177	pg/g	89	EPA-14 1668
PCB 123 (BZ)	200	179	pg/g	90	EPA-14 1668
PCB 126 (BZ)	200	185	pg/g	92	EPA-14 1668
PCB 156 (BZ)	200	175	pg/g	88	EPA-14 1668
PCB 157 (BZ)	200	186	pg/g	93	EPA-14 1668
PCB 167 (BZ)	200	220	pg/g	110	EPA-14 1668
PCB 169 (BZ)	200	209	pg/g	104	EPA-14 1668
PCB 189 (BZ)	200	178	pg/g	89	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	63	(25 - 150)
13C12-PCB 81	62	(25 - 150)
13C12-PCB 118	70	(25 - 150)
13C12-PCB 114	64	(25 - 150)
13C12-PCB 105	71	(25 - 150)
13C12-PCB 126	76	(25 - 150)
13C12-PCB 167	70	(25 - 150)
13C12-PCB 156	87	(25 - 150)
13C12-PCB 157	81	(25 - 150)
13C12-PCB 169	83	(25 - 150)
13C12-PCB 189	104	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9H050321      Work Order #...: LJ16P1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9H280000-452  
 Prep Date.....: 08/29/09      Analysis Date...: 09/02/09  
 Prep Batch #...: 9240452  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	94	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	92	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	88	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	94	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	89	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	90	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	92	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	88	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	93	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	110	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	104	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	89	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	63	(25 - 150)
13C12-PCB 81	62	(25 - 150)
13C12-PCB 118	70	(25 - 150)
13C12-PCB 114	64	(25 - 150)
13C12-PCB 105	71	(25 - 150)
13C12-PCB 126	76	(25 - 150)
13C12-PCB 167	70	(25 - 150)
13C12-PCB 156	87	(25 - 150)
13C12-PCB 157	81	(25 - 150)
13C12-PCB 169	83	(25 - 150)
13C12-PCB 189	104	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

# WATER, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: 090804-SE-R-SEH

Trace Level Organic Compounds

Lot-Sample #...: G9H050321-009    Work Order #...: LHKQH1AA    Matrix.....: WATER  
 Date Sampled...: 08/04/09    Date Received...: 08/05/09  
 Prep Date.....: 08/13/09    Analysis Date...: 08/15/09  
 Prep Batch #...: 9225441  
 Dilution Factor: 0.96

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 81 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 105 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 114 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 118 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 123 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 126 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 156 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 157 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 167 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 169 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 189 (BZ)	ND	20	pg/L	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	92	(25 - 150)
13C12-PCB 81	95	(25 - 150)
13C12-PCB 118	93	(25 - 150)
13C12-PCB 114	87	(25 - 150)
13C12-PCB 105	99	(25 - 150)
13C12-PCB 126	96	(25 - 150)
13C12-PCB 167	87	(25 - 150)
13C12-PCB 156	107	(25 - 150)
13C12-PCB 157	105	(25 - 150)
13C12-PCB 169	99	(25 - 150)
13C12-PCB 189	147	(25 - 150)



# QC DATA ASSOCIATION SUMMARY

G9H050321

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9230392	9236266
002	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9230392	9236266
003	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9230392	9236266
004	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9230392	9236266
005	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9230392	9236266
006	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9230392	9236266
007	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9230392	9236266
008	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9230392	9236266
009	WATER	EPA-14 1668		9225441	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9H050321      Work Order #...: LH5MM1AA      Matrix.....: WATER  
 MB Lot-Sample #: G9H130000-441  
 Prep Date.....: 08/13/09  
 Analysis Date...: 08/14/09      Prep Batch #...: 9225441  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 81 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 105 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 114 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 118 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 123 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 126 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 156 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 157 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 167 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 169 (BZ)	ND	20	pg/L	EPA-14 1668
PCB 189 (BZ)	ND	20	pg/L	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	83	(25 - 150)
13C12-PCB 81	85	(25 - 150)
13C12-PCB 118	81	(25 - 150)
13C12-PCB 114	78	(25 - 150)
13C12-PCB 105	90	(25 - 150)
13C12-PCB 126	84	(25 - 150)
13C12-PCB 167	78	(25 - 150)
13C12-PCB 156	95	(25 - 150)
13C12-PCB 157	93	(25 - 150)
13C12-PCB 169	82	(25 - 150)
13C12-PCB 189	124	(25 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #....: G9H050321      Work Order #....: LH5MM1AC      Matrix.....: WATER  
 LCS Lot-Sample#: G9H130000-441  
 Prep Date.....: 08/13/09      Analysis Date...: 08/14/09  
 Prep Batch #....: 9225441  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	2000	1750	pg/L	87	EPA-14 1668
PCB 81 (BZ)	2000	1690	pg/L	84	EPA-14 1668
PCB 105 (BZ)	2000	1600 C	pg/L	80	EPA-14 1668
PCB 114 (BZ)	2000	1880	pg/L	94	EPA-14 1668
PCB 118 (BZ)	2000	1710 C	pg/L	85	EPA-14 1668
PCB 123 (BZ)	2000	1680	pg/L	84	EPA-14 1668
PCB 126 (BZ)	2000	1750	pg/L	88	EPA-14 1668
PCB 156 (BZ)	2000	1680	pg/L	84	EPA-14 1668
PCB 157 (BZ)	2000	1700	pg/L	85	EPA-14 1668
PCB 167 (BZ)	2000	1880	pg/L	94	EPA-14 1668
PCB 169 (BZ)	2000	2120	pg/L	106	EPA-14 1668
PCB 189 (BZ)	2000	1410	pg/L	70	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	70	(25 - 150)
13C12-PCB 81	72	(25 - 150)
13C12-PCB 118	70	(25 - 150)
13C12-PCB 114	65	(25 - 150)
13C12-PCB 105	76	(25 - 150)
13C12-PCB 126	73	(25 - 150)
13C12-PCB 167	69	(25 - 150)
13C12-PCB 156	85	(25 - 150)
13C12-PCB 157	84	(25 - 150)
13C12-PCB 169	76	(25 - 150)
13C12-PCB 189	115	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

C Co-eluting isomer

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9H050321      Work Order #...: LH5MM1AC      Matrix.....: WATER  
 LCS Lot-Sample#: G9H130000-441  
 Prep Date.....: 08/13/09      Analysis Date...: 08/14/09  
 Prep Batch #...: 9225441  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	87	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	84	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	80 C	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	94	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	85 C	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	84	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	88	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	84	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	85	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	94	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	106	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	70	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	70	(25 - 150)
13C12-PCB 81	72	(25 - 150)
13C12-PCB 118	70	(25 - 150)
13C12-PCB 114	65	(25 - 150)
13C12-PCB 105	76	(25 - 150)
13C12-PCB 126	73	(25 - 150)
13C12-PCB 167	69	(25 - 150)
13C12-PCB 156	85	(25 - 150)
13C12-PCB 157	84	(25 - 150)
13C12-PCB 169	76	(25 - 150)
13C12-PCB 189	115	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

C Co-eluting isomer

# SOLID, D 2216-90, Percent Moisture

Wenck Associates, Inc.

Client Sample ID: 090803-N-VD-SEH 10:1 COMPOSITE

General Chemistry

Lot-Sample #...: G9H050321-001    Work Order #...: LHKPR    Matrix.....: SOLID  
Date Sampled...: 08/03/09    Date Received..: 08/05/09  
% Moisture.....: 6.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	6.8	0.10	%	ASTM D 2216-90	08/24-08/26/09	9236393

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090803-SW-VD-SEH 10:1 COMPOSITE

General Chemistry

Lot-Sample #...: G9H050321-002    Work Order #...: LHKP3    Matrix.....: SOLID  
Date Sampled...: 08/03/09    Date Received...: 08/05/09  
% Moisture.....: 7.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	7.5	0.10	%	ASTM D 2216-90	08/24-08/26/09	9236393

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090803-NE-VD-SEH 10:1 COMPOSITE

General Chemistry

Lot-Sample #...: G9H050321-003    Work Order #...: LHKP4    Matrix.....: SOLID  
Date Sampled...: 08/03/09    Date Received..: 08/05/09  
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	10.8	0.10	%	ASTM D 2216-90	08/24-08/26/09	9236393

Dilution Factor: 1



Wenck Associates, Inc.

Client Sample ID: 090803-W-VD-SEH 10:1 COMPOSITE

General Chemistry

Lot-Sample #...: G9H050321-004    Work Order #...: LHKP6    Matrix.....: SOLID  
Date Sampled...: 08/03/09    Date Received..: 08/05/09  
% Moisture.....: 8.1

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.1	0.10	%	ASTM D 2216-90	08/24-08/26/09	9236393

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090803-NW-VD-SEH 10:1 COMPOSITE

General Chemistry

Lot-Sample #...: G9H050321-005    Work Order #...: LHKP8    Matrix.....: SOLID  
Date Sampled...: 08/03/09    Date Received...: 08/05/09  
% Moisture.....: 8.0

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.0	0.10	%	ASTM D 2216-90	08/24-08/26/09	9236393

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090804-S-VD-SEH 10:1 COMPOSITE

General Chemistry

Lot-Sample #....: G9H050321-006      Work Order #....: LHKP9      Matrix.....: SOLID  
Date Sampled...: 08/04/09      Date Received..: 08/05/09  
% Moisture.....: 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	12.2	0.10	%	ASTM D 2216-90	08/24-08/26/09	9236393

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090804-B18-VD-SEH 10:1 COMPOSITE

General Chemistry

Lot-Sample #...: G9H050321-007      Work Order #...: LHKQD      Matrix.....: SOLID  
Date Sampled...: 08/04/09      Date Received...: 08/05/09  
% Moisture.....: 10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	10	0.10	%	ASTM D 2216-90	08/24-08/26/09	9236393

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: 090804-SE-VD-SEH 10:1 COMPOSITE

General Chemistry

Lot-Sample #....: G9H050321-008    Work Order #....: LHKQG    Matrix.....: SOLID  
Date Sampled...: 08/04/09    Date Received..: 08/05/09  
% Moisture.....: 8.1

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.1	0.10	%	ASTM D 2216-90	08/24-08/26/09	9236393

Dilution Factor: 1

# QC DATA ASSOCIATION SUMMARY

G9H050321

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9240452	9236266
002	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9240452	9236266
003	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9240452	9236266
004	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9240452	9236266
005	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9240452	9236266
006	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9240452	9236266
007	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9240452	9236266
008	SOLID SOLID	ASTM D 2216-90 EPA-14 1668		9236393 9240452	9236266
009	WATER	EPA-14 1668		9225441	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G9H050321

Work Order #...: LHKPR-SMP  
LHKPR-DUP

Matrix.....: SOLID

Date Sampled...: 08/03/09

Date Received...: 08/05/09

% Moisture.....: 6.8

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	6.8	6.6	%	3.8	(0-20)	SD Lot-Sample #: G9H050321-001 ASTM D 2216-90	08/24-08/26/09	9236393

Dilution Factor: 1

SOLID, 1668,  
WHO PCB congeners



# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***ics***

***ms/sd***

***sample raw data***

***ms tune data***

Quantity Sample Summary Report Masslynx 4.1

Dataset: C:\Masslynx\Default.pro\01SE09A10D51668MSLA.qld

RL 2

(3)

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

29th 9/04/09

Name: 01SE09A10D5\_16, Date: 02-Sep-2009, Time: 12:34:19, ID: LJ16P-Z-AAB, Description: G9H050321-1MBRX

29th 9/04/09

# Name	Trace	Sample Size	RT	Prod RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
1 13C-PeCB-101	335.924	10.000	32.30	32.31	1.00000		773268.97	200.0000	200.0000	100.0	0.21957	0.65	NO	
2														
3 13C-TeCB-81	301.963	10.000	34.21	34.21	1.03984		512755.77	127.5389	127.5389	63.8	0.22860	0.78	NO	
4 TeCB-81	289.922	10.000	34.33	34.21	1.45839		126.46	0.0338	0.0189	61.2	0.07663	2.16	YES	
5 13C-TeCB-77	301.963	10.000	34.90	34.90	1.10430		552668.17	124.7582	124.7582	62.4	0.21526	0.81	NO	
6 TeCB-77	289.922	10.000		34.90	1.27061						0.09300		NO	
7														
8 13C-PeCB-123	335.924	10.000	36.58	36.56	0.99324		512360.81	133.4205	133.4205	66.7	0.22106	0.63	NO	
9 PeCB-123	323.883	10.000	36.76	36.58	1.50539		1717.44	0.4453	0.4453		0.07277	0.63	NO	
10 13C-PeCB-118	335.924	10.000	36.74	36.73	1.02407		542819.14	137.0958	137.0958	68.5	0.21441	0.66	NO	
11 PeCB-118/106	323.883	10.000		36.74	1.52536						0.06668		NO	
12 13C-PeCB-114	335.924	10.000	37.53	37.50	1.03691		526752.14	131.3908	131.3908	65.7	0.21175	0.64	NO	
13 PeCB-114	323.883	10.000		37.53	1.56603						0.06752		NO	
14 13C-PeCB-105	335.924	10.000	38.60	38.57	0.98151		526812.61	138.8230	138.8230	69.4	0.22370	0.63	NO	
15 PeCB-105/127	323.883	10.000		38.60	1.43326						0.07731		NO	
16 13C-PeCB-126	335.924	10.000	40.92	40.87	1.02999		604599.47	151.8222	151.8222	75.9	0.21317	0.62	NO	
17 PeCB-126	323.883	10.000		40.92	1.15582						0.08861		NO	
18														
19 13C-OcCB-202	439.804	10.000	43.72	43.73	1.00000		861796.19	200.0000	200.0000	100.0	0.08890	0.90	NO	
20														
21 13C-HXCB-167	371.882	10.000	42.28	42.26	1.00247		586110.63	135.6861	135.6861	67.8	0.22991	1.29	NO	
22 HXCB-167	359.841	10.000	42.20	42.28	1.34796		187.95	0.0476	0.0057		0.05951	17.57	YES	
23 13C-HXCB-156	371.882	10.000	43.85	43.86	0.78510		576890.53	170.5264	170.5264	85.3	0.29356	1.29	NO	
24 HXCB-156	359.841	10.000	43.85	43.85	1.68840		231.30	0.0475	0.0358		0.04822	0.72	YES	
25 13C-HXCB-157	371.882	10.000	44.23	44.23	0.83526		567420.09	157.6543	157.6543	78.8	0.27593	1.28	NO	
26 HXCB-157	359.841	10.000		44.23	1.65965						0.05016		NO	
27 13C-HXCB-169	371.882	10.000	46.46	46.46	0.87128		566159.66	158.7930	158.7930	79.4	0.26452	1.29	NO	
28 HXCB-169	359.841	10.000		46.46	1.09832						0.07060		NO	
29														
30 13C-HpCB-180	405.843	10.000	45.02	45.00	0.68403		491199.20	166.6516	166.6516	83.3	0.18434	1.04	NO	
31 HpCB-180	393.803	10.000	45.04	45.02	1.30035		973.75	0.3049	0.1760		0.08539	2.55	YES	
32 13C-HpCB-170	405.843	10.000	47.02	47.02	0.54773		428746.77	181.6595	181.6595	90.8	0.23021	1.07	NO	
33 HpCB-170	393.803	10.000		47.02	1.61501						0.08115		NO	
34 13C-HpCB-189	405.843	10.000	48.85	48.84	0.69767		606743.19	201.8276	201.8276	100.9	0.18074	1.05	NO	
35 HpCB-189	393.803	10.000		48.85	1.23073						0.06424		NO	

Dataset: C:\MassLynx\Default\pro101SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

Name: 01SE09A10D5\_16, Date: 02-Sep-2009, Time: 12:34:19, ID: LJ16P-2-AAB, Description: G9H050321-1MBRX

# Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
36													
37 13C-PeCB-111	335.924	10.000		34.06	1.30475					0.28540		NO	
38													
39 Function 3 PFK	380.976	1.000			0.00								
40 Function 4 PFK	380.976	1.000			0.00								

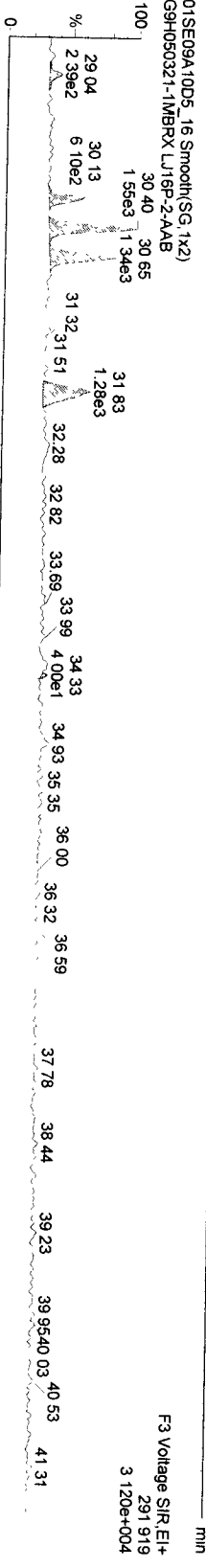
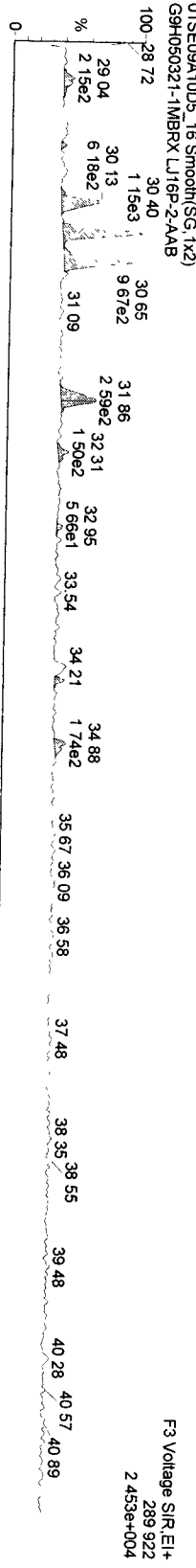
Quantity Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default.pro\01SE09A10D5\1668MSLA.qld

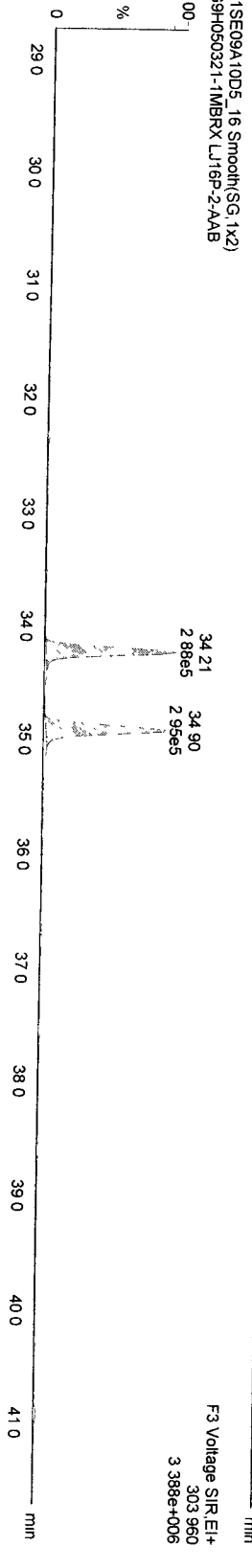
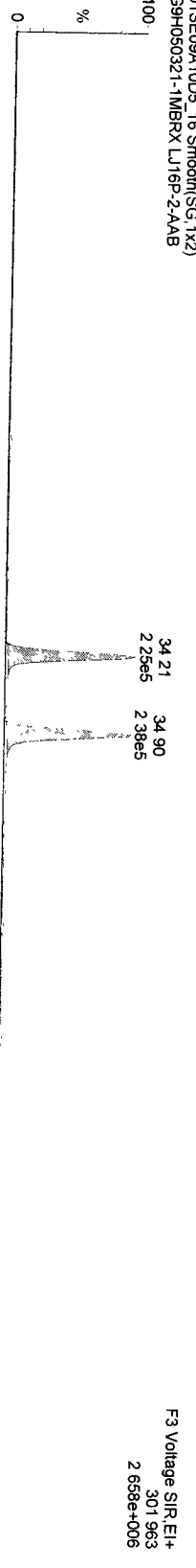
Last Altered Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_16, Date: 02-Sep-2009, Time: 12:34:19, ID: LJ16P-2-AAB, Description: G9H050321-1MBRX

TetrPCBs



13C-TetrPCBs

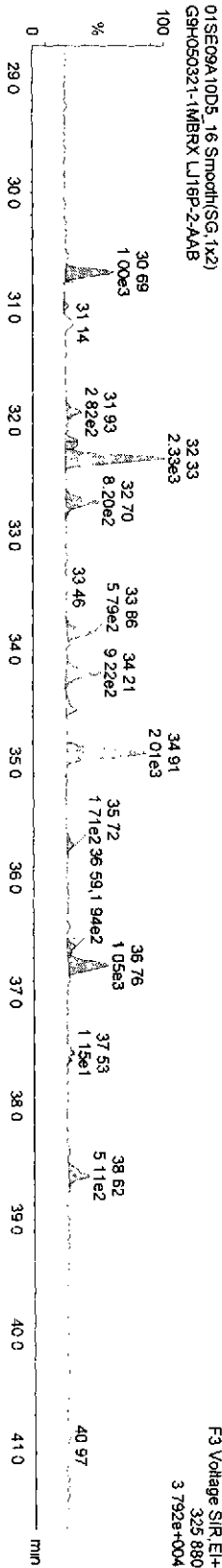
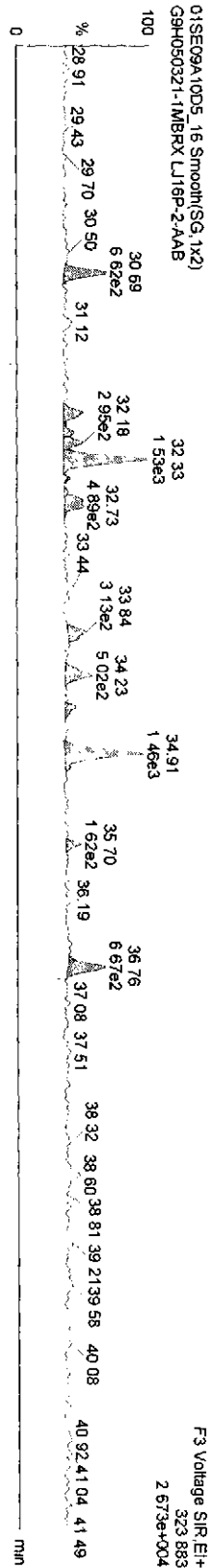


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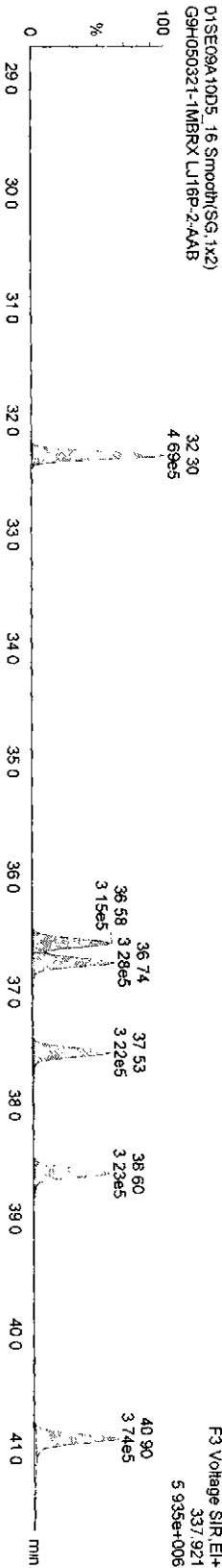
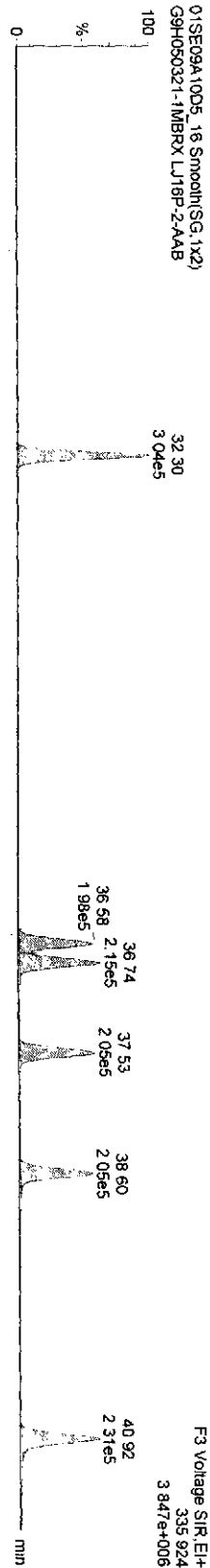
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_16, Date: 02-Sep-2009, Time: 12:34:19, ID: LJ16P-2-AAB, Description: G9H050321-1MBRX

**PePCBs**



**13C-PePCBs**

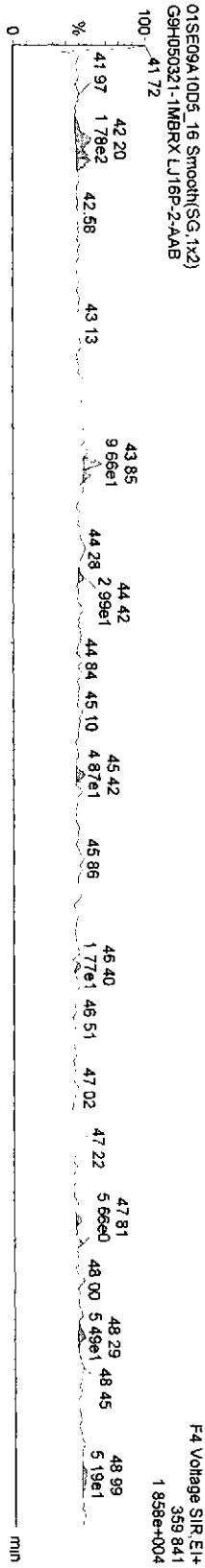


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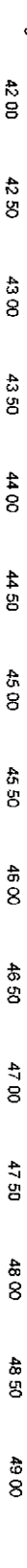
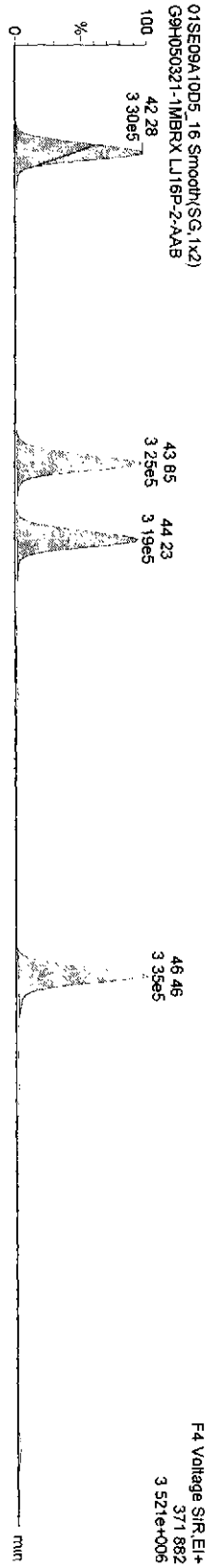
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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_16, Date: 02-Sep-2009, Time: 12:34:19, ID: LJ16P-2-AAB, Description: G9H050321-1MBRX

HPCBs-



13C-HPCBs



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\01SE09A10D5\1668MSLA.qld

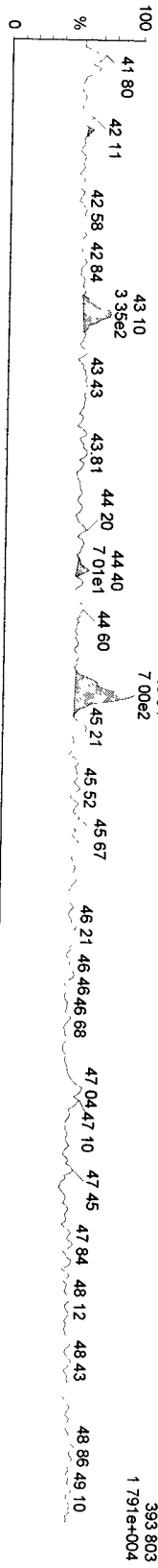
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time

Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

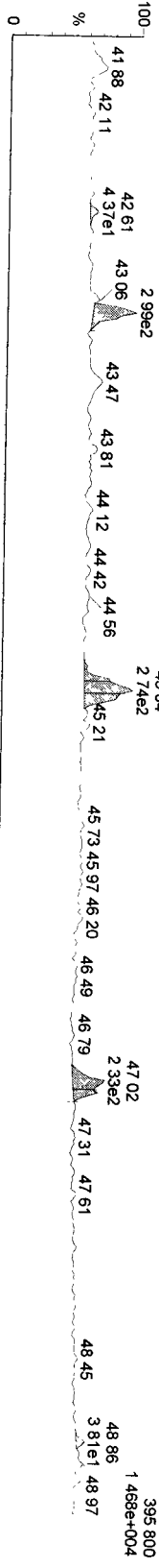
Name: 01SE09A10D5\_16, Date: 02-Sep-2009, Time: 12:34:19, ID: LJ16P-2-AAB, Description: G9H050321-1MBRX

HppCBs

01SE09A10D5\_16 Smooth(SG,1x2)  
G9H050321-1MBRX LJ16P-2-AAB



01SE09A10D5\_16 Smooth(SG,1x2)  
G9H050321-1MBRX LJ16P-2-AAB



13C-HppCBs

01SE09A10D5\_16 Smooth(SG,1x2)  
G9H050321-1MBRX LJ16P-2-AAB



01SE09A10D5\_16 Smooth(SG,1x2)  
G9H050321-1MBRX LJ16P-2-AAB





Dataset: C:\MassLynx\Default pro\01SE09A10D5\1668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_16, Date: 02-Sep-2009, Time: 12:34:19, ID: LJ16P-2-AAB, Description: G9H050321-1IMBRX

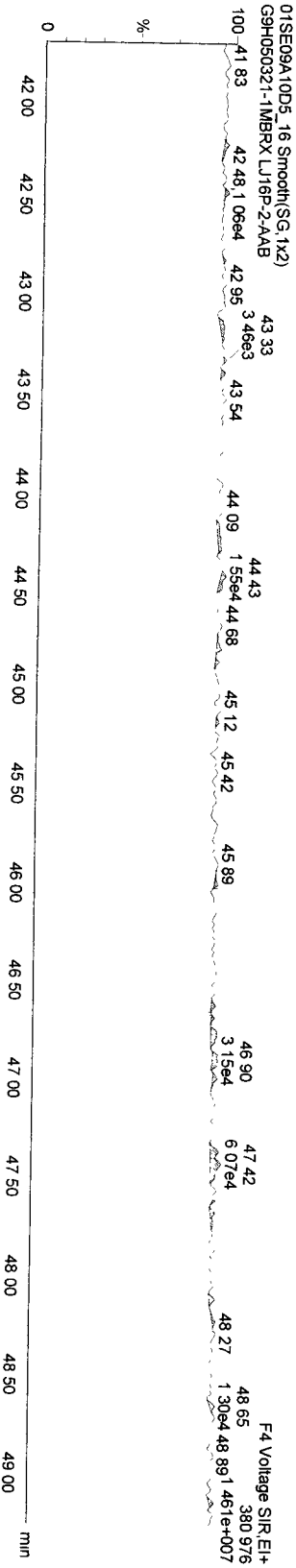
13C-OcCB-202



Function 3 PFK



Function 4 PFK



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\01SE09A10D5\1668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

*9/2/09*

*9/2/09*

Name: 01SE09A10D5\_17, Date: 02-Sep-2009, Time: 13:30:47, ID: LJ16P-2-ACC, Description: G9H050321-1LCSRX

# Name	Trace	Sample Size	RT	Ptd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
1 13C-PeCB-101	335.924	10.000	32.31	32.31	1.00000	768667.78	200.0000	200.0000	100.0	0.20384	0.64	NO		
2														
3 13C-TeCB-81	301.963	10.000	34.21	34.22	1.03984	495809.27	124.0620	124.0620	62.0	0.26081	0.79	NO		
4 TeCB-81	289.922	10.000	34.24	34.21	1.45839	667582.66	184.6493	184.6493	0.20021	0.20021	0.76	NO		
5 13C-TeCB-77	301.963	10.000	34.91	34.91	1.10430	530153.52	124.9125	124.9125	62.5	0.24558	0.81	NO		
6 TeCB-77	289.922	10.000	34.93	34.91	1.27061	632075.78	187.6664	187.6664	0.23676	0.23676	0.76	NO		
7														
8 13C-PeCB-123	335.924	10.000	36.58	36.57	0.99324	503950.36	132.0159	132.0159	66.0	0.20523	0.62	NO		
9 PeCB-123	323.883	10.000	36.61	36.58	1.50539	679513.05	179.1398	179.1398	0.16707	0.16707	0.62	NO		
10 13C-PeCB-118	335.924	10.000	36.74	36.74	1.02407	546968.47	138.9706	138.9706	69.5	0.19905	0.63	NO		
11 PeCB-118/106	323.883	10.000	36.78	36.74	1.52536	738874.28	177.1196	177.1196	0.15703	0.15703	0.62	NO		
12 13C-PeCB-114	335.924	10.000	37.55	37.51	1.03691	514090.53	129.0001	129.0001	64.5	0.19659	0.65	NO		
13 PeCB-114	323.883	10.000	37.56	37.55	1.58603	764483.59	187.5194	187.5194	0.16142	0.16142	0.62	NO		
14 13C-PeCB-105	335.924	10.000	38.60	38.58	0.98151	532337.83	141.1187	141.1187	70.6	0.20768	0.64	NO		
15 PeCB-105/127	323.883	10.000	38.64	38.60	1.43326	675007.17	176.9396	176.9396	0.17372	0.17372	0.62	NO		
16 13C-PeCB-126	335.924	10.000	40.92	40.88	1.02999	600632.81	151.7289	151.7289	75.9	0.19791	0.62	NO		
17 PeCB-126	323.883	10.000	40.94	40.92	1.15582	641899.16	184.9265	184.9265	0.19444	0.19444	0.62	NO		
18														
19 13C-OcCB-202	439.804	10.000	43.72	43.73	1.00000	854798.28	200.0000	200.0000	100.0	0.10073	0.90	NO		
20														
21 13C-HxCB-167	371.882	10.000	42.28	42.26	1.00247	569722.72	139.9739	139.9739	70.0	0.22704	1.27	NO		
22 HxCB-167	359.841	10.000	42.30	42.28	1.34796	888211.69	219.7447	219.7447	0.26780	0.26780	1.24	NO		
23 13C-HxCB-156	371.882	10.000	43.86	43.86	0.78510	583209.97	173.8057	173.8057	86.9	0.28990	1.28	NO		
24 HxCB-156	359.841	10.000	43.88	43.86	1.68840	861755.94	175.0303	175.0303	0.22091	0.22091	1.24	NO		
25 13C-HxCB-157	371.882	10.000	44.25	44.23	0.83526	579850.39	162.4270	162.4270	81.2	0.27249	1.32	NO		
26 HxCB-157	359.841	10.000	44.26	44.25	1.65965	897209.16	186.4624	186.4624	0.22705	0.22705	1.21	NO		
27 13C-HxCB-169	371.882	10.000	46.46	46.46	0.87128	614811.31	165.1017	165.1017	82.6	0.26123	1.26	NO		
28 HxCB-169	359.841	10.000	46.48	46.46	1.09832	704366.91	208.6216	208.6216	0.32329	0.32329	1.23	NO		
29														
30 13C-HpCB-180	405.843	10.000	45.02	45.00	0.68403	498144.09	170.3915	170.3915	85.2	0.16390	1.05	NO		
31 HpCB-180	393.803	10.000	45.04	45.02	1.30035	605477.81	186.9444	186.9444	0.16962	0.16962	1.05	NO		
32 13C-HpCB-170	405.843	10.000	47.04	47.02	0.54773	448383.63	190.6806	190.6806	95.3	0.20468	1.04	NO		
33 HpCB-170	393.803	10.000	47.05	47.04	1.61501	632724.31	175.5341	175.5341	0.15738	0.15738	1.05	NO		
34 13C-HpCB-189	405.843	10.000	48.85	48.84	0.69767	620223.41	208.0007	208.0007	104.0	0.16069	1.04	NO		
35 HpCB-189	393.803	10.000	48.88	48.85	1.22073	679551.53	178.0501	178.0501	0.13366	0.13366	1.03	NO		

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

Name: 01SE09A10D5\_17, Date: 02-Sep-2009, Time: 13:30:47, ID: LJ16P-2-ACC, Description: G9H050321-1LCSRX

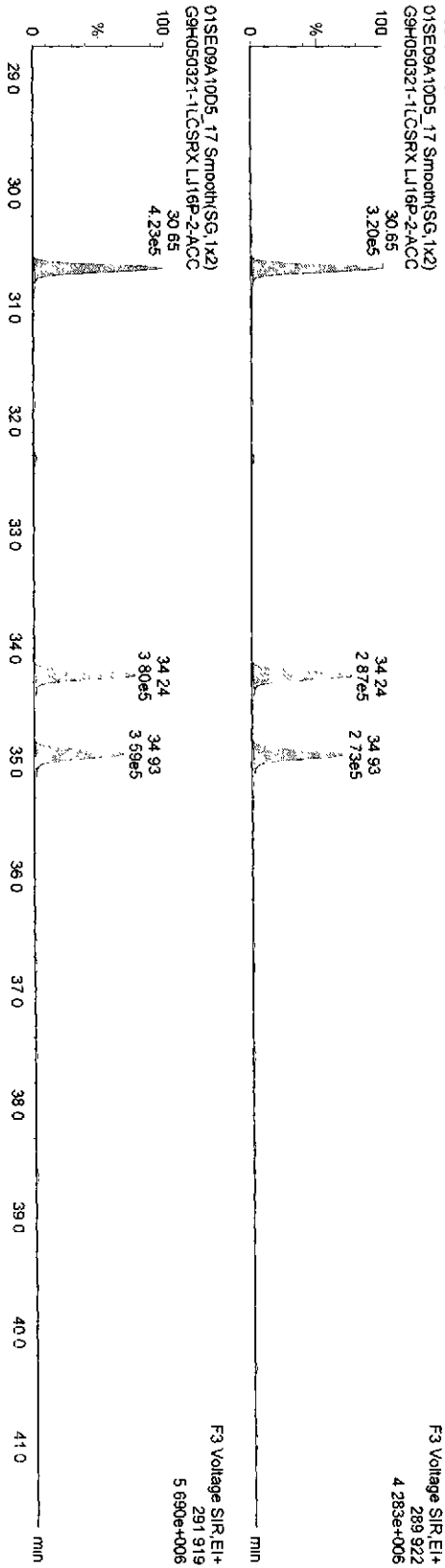
# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36													
37 13C-PeCB-111	335.924	10.000		34.06	1.30475					0.25644		NO	
38													
39 Function 3 PFK	380.976	1.000		0.00									
40 Function 4 PFK	380.976	1.000		0.00									

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

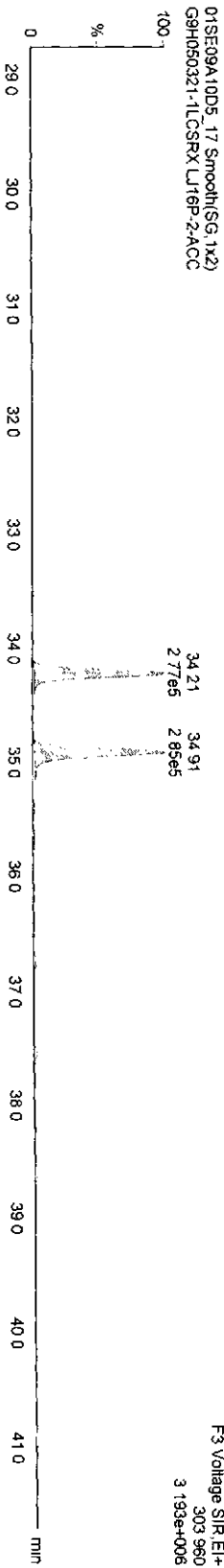
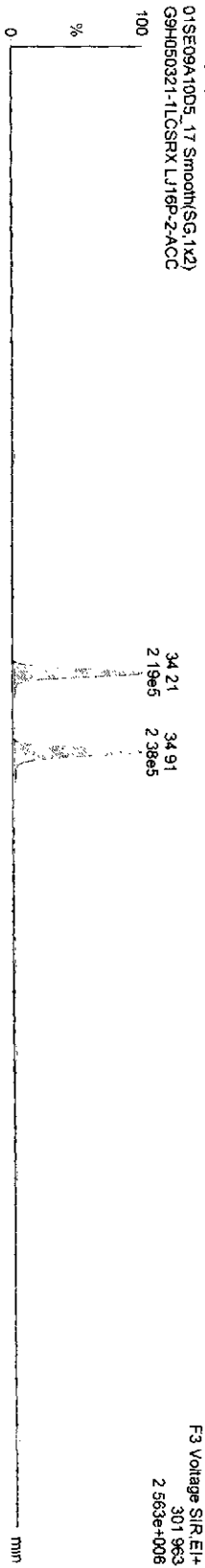
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_17, Date: 02-Sep-2009, Time: 13:30:47, ID: LJ16P-2-ACC, Description: G9H050321-1LCSRX

**TetraPCBs**



**13C-TetraPCBs**

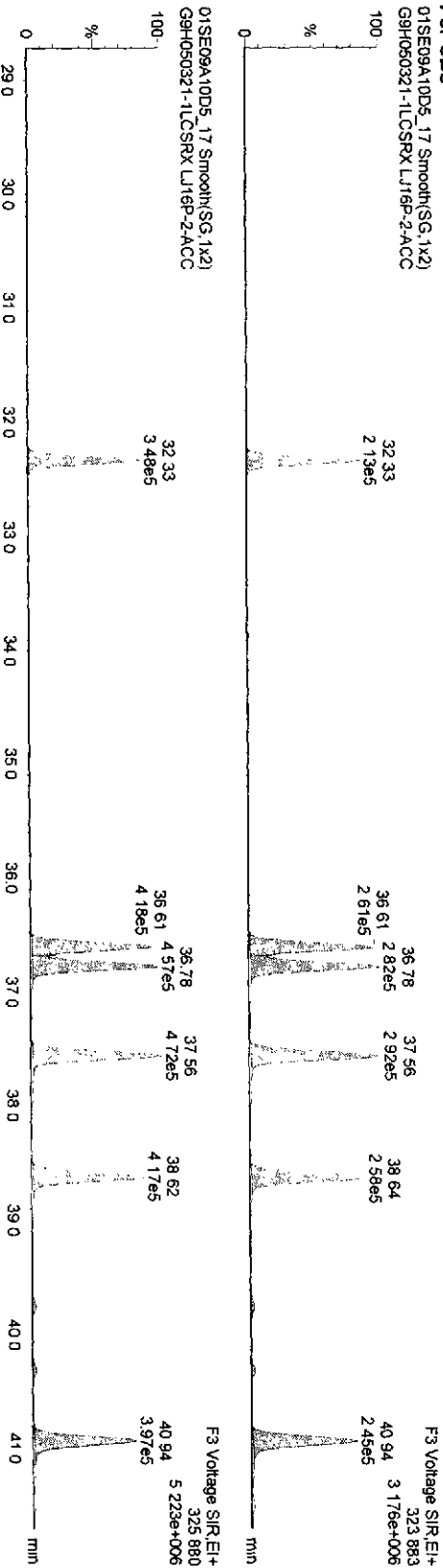


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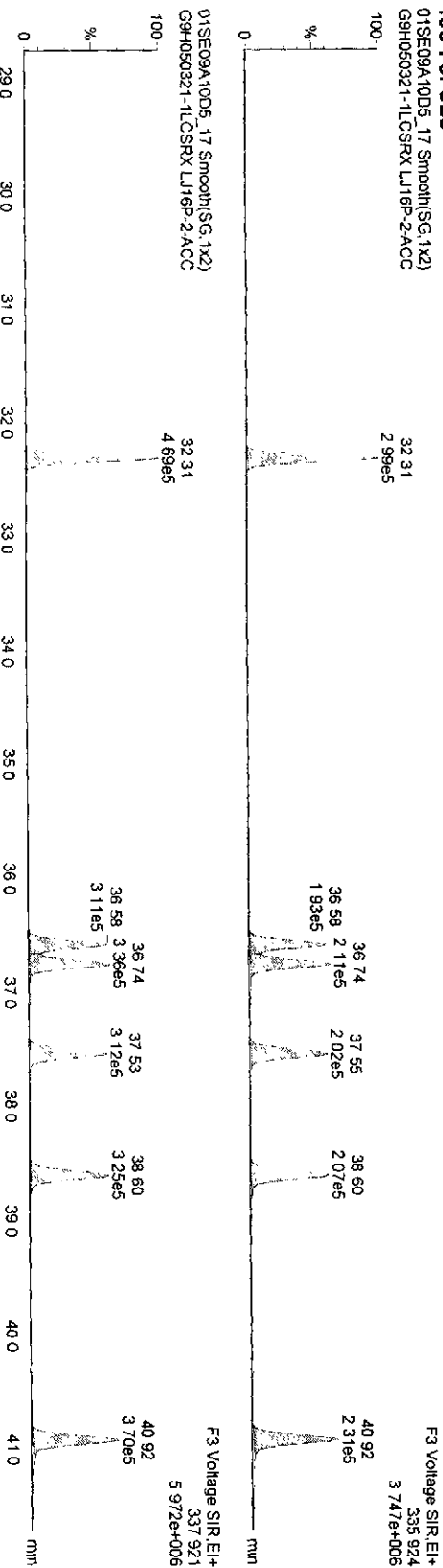
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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_17, Date: 02-Sep-2009, Time: 13:30:47, ID: LJ16P-2-ACC, Description: G9H050321-1LC5RX

**PePCBs**



**13C-PePCBs**

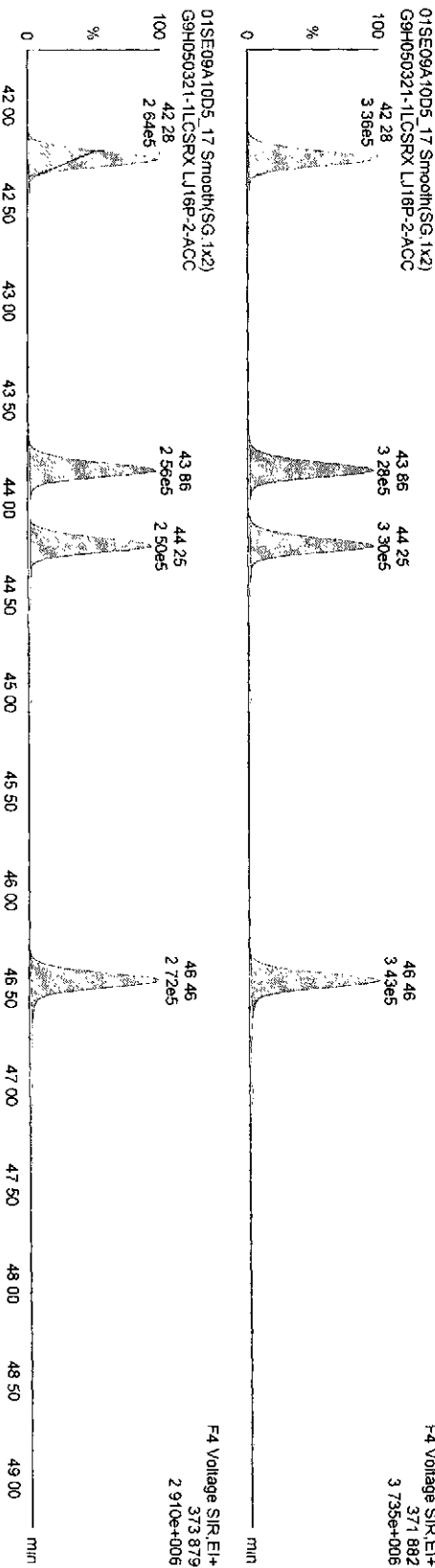
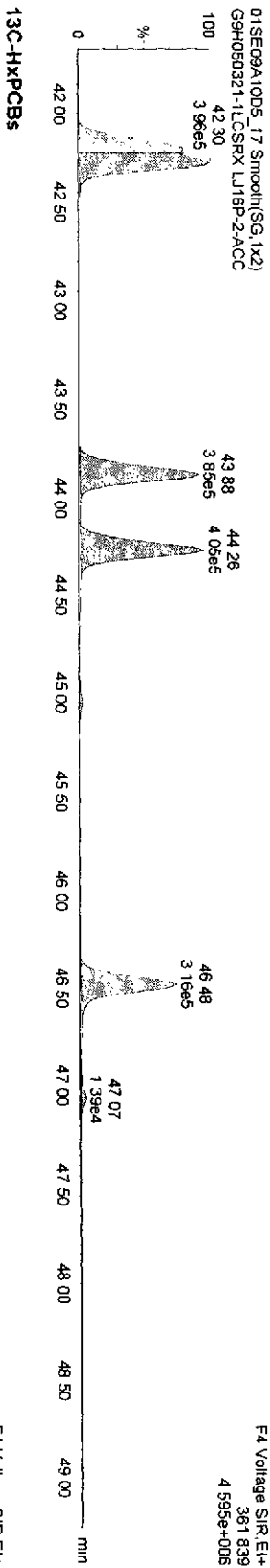
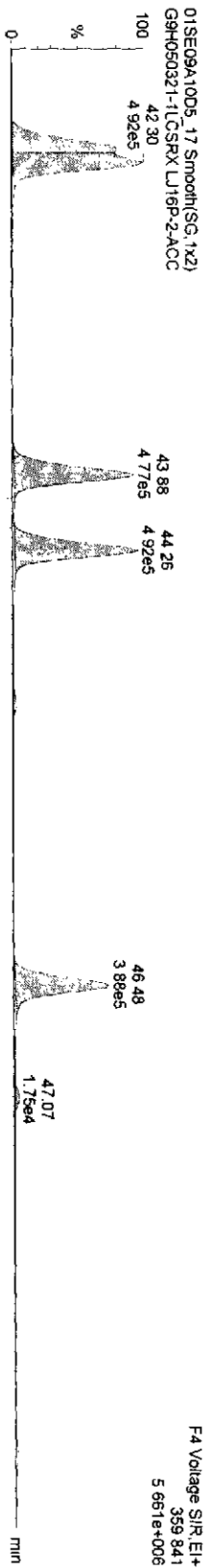


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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_17, Date: 02-Sep-2009, Time: 13:30:47, ID: LJ16P-2-ACC, Description: G9H050321-1LC5RX

HPCBs-

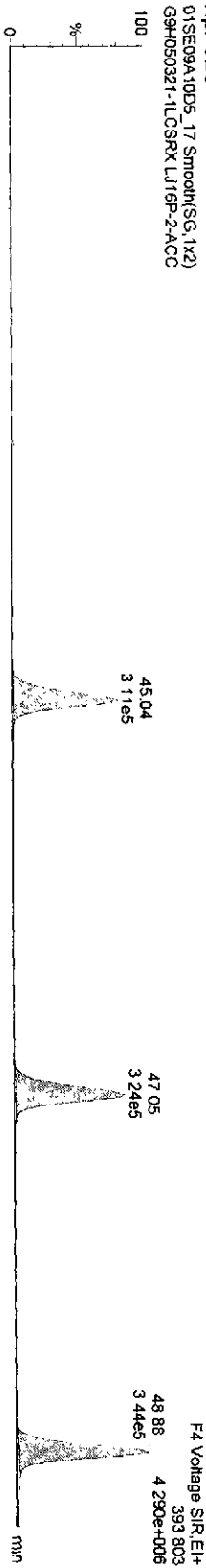


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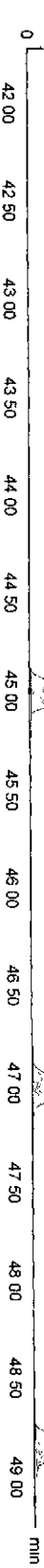
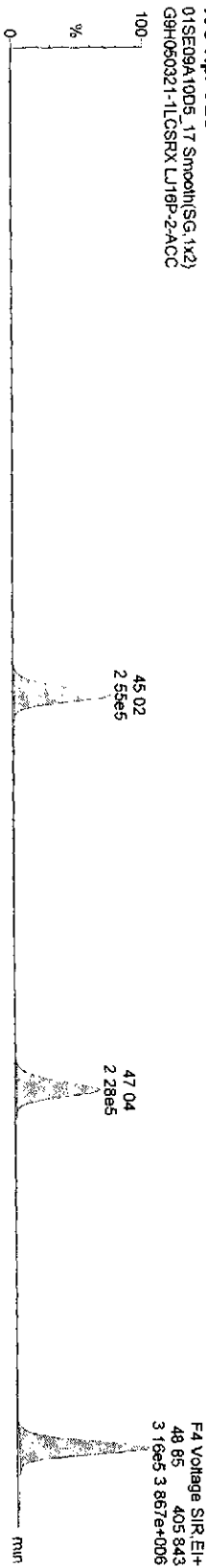
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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_17, Date: 02-Sep-2009, Time: 13:30:47, ID: LJ16P-2-ACC, Description: G9H050321-1LCSRX

**HP PCBs**



**13C-HP PCBs**



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\01SE09A10D5\1668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

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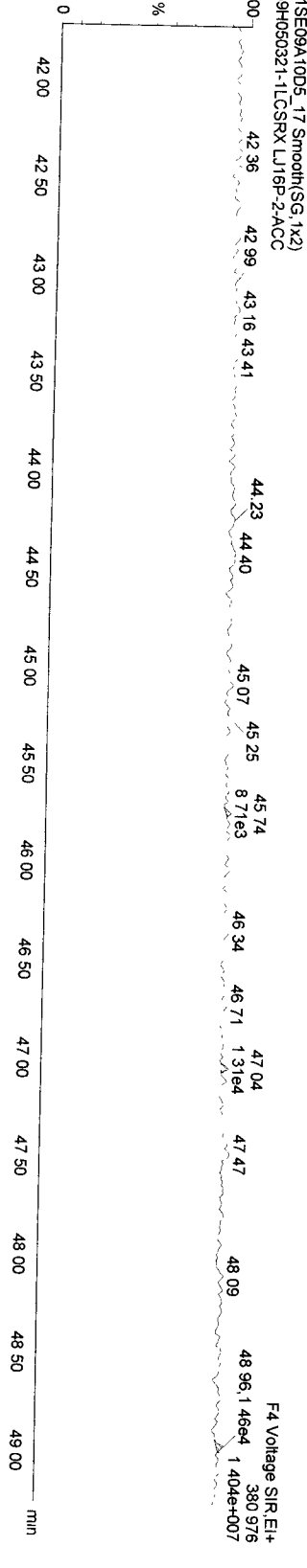
13C-OCCB-202



Function 3 PFK



Function 4 PFK





Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

RL 1.98

(5)

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

Name: 01SE09A10D5\_18, Date: 02-Sep-2009, Time: 14:27:39, ID: LHKPR-2-AC, Description: G9H050321-1RX

200 04/04/09

# Name	Trace	Sample Size	RT	Prod.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335 924	10.110	32.33	32.31	1.00000	372194.77	197.8239	197.8239	100.0	0.44446	0.61	NO	
2													
3 13C-TeCB-81	301.963	10.110	34.24	34.24	1.03984	355618.05	181.7713	181.7713	91.9	0.36876	0.78	NO	
4 TeCB-81	289.922	10.110	34.26	34.24	1.45839	1471.33	0.5612	0.4614	91.5	0.15638	0.56	YES	
5 13C-TeCB-77	301.963	10.110	34.93	34.93	1.10430	376263.61	181.0980	181.0980	91.5	0.34724	0.79	NO	
6 TeCB-77	289.922	10.110	34.95	34.93	1.27061	9332.76	3.8618	3.8618	91.5	0.17186	0.82	NO	
7													
8 13C-PeCB-123	335 924	10.110	36.59	36.59	0.99324	327399.04	175.1996	175.1996	88.6	0.44749	0.64	NO	
9 PeCB-123	323.883	10.110	36.64	36.59	1.50539	1290.40	0.5179	0.3708	92.5	0.11043	1.25	YES	
10 13C-PeCB-118	335 924	10.110	36.76	36.76	1.02407	352432.34	182.9169	182.9169	92.5	0.43401	0.62	NO	
11 PeCB-118/106	323.883	10.110	36.79	36.76	1.52536	39809.56	14.6494	14.6494	88.2	0.10114	0.63	NO	
12 13C-PeCB-114	335 924	10.110	37.56	37.53	1.03691	340503.70	174.5379	174.5379	88.2	0.42864	0.65	NO	
13 PeCB-114	323.883	10.110	37.56	37.56	1.58603	37.56	1.58603	1.58603	95.9	0.10172	0.63	NO	
14 13C PeCB-105	335 924	10.110	38.62	38.60	0.98151	350356.91	189.7252	189.7252	95.9	0.45283	0.63	NO	
15 PeCB-105/127	323 883	10.110	38.64	38.62	1.43326	18656.20	7.3496	7.3496	85.3	0.10716	0.67	NO	
16 13C-PeCB-126	335 924	10.110	40.94	40.90	1.02999	327101.98	168.7951	168.7951	85.3	0.43152	0.63	NO	
17 PeCB-126	323 883	10.110	40.94	40.94	1.15582	40.94	1.15582	1.15582	100.0	0.15840	0.89	NO	
18													
19 13C-OcCB-202	439.804	10.110	43.75	43.73	1.00000	396293.38	197.8239	197.8239	100.0	0.14458	0.89	NO	
20													
21 13C-HxCB-167	371.882	10.110	42.31	42.29	1.00247	315938.94	157.3241	157.3241	79.5	0.24436	1.29	NO	
22 HxCB-167	359.841	10.110	42.33	42.31	1.34796	3106.71	1.4426	1.4426	98.4	0.15781	1.17	NO	
23 13C-HxCB-156	371.882	10.110	43.88	43.89	0.78510	306263.16	194.7285	194.7285	98.4	0.31202	1.29	NO	
24 HxCB-156	359.841	10.110	43.89	43.88	1.68840	3592.96	1.3745	1.3745	93.8	0.12688	0.69	YES	
25 13C-HxCB-157	371.882	10.110	44.26	44.26	0.83526	310443.08	185.5324	185.5324	93.8	0.29328	1.27	NO	
26 HxCB-157	359.841	10.110	44.31	44.26	1.65965	1310.44	0.5031	0.4854	87.8	0.12607	0.92	YES	
27 13C-HxCB-169	371.882	10.110	46.49	46.49	0.87128	303052.81	173.6296	173.6296	87.8	0.28116	1.32	NO	
28 HxCB-169	359.841	10.110	46.49	46.49	1.09832	46.49	1.09832	1.09832	100.0	0.21061	1.05	NO	
29													
30 13C-HpCB-180	405.843	10.110	45.04	45.03	0.68403	253281.07	184.8380	184.8380	93.4	0.23574	1.05	NO	
31 HpCB-180	393.803	10.110	45.07	45.04	1.30035	29979.42	18.0069	18.0069	98.1	0.13367	1.07	NO	
32 13C-HpCB-170	405.843	10.110	47.07	47.05	0.54773	213015.74	194.1358	194.1358	98.1	0.29440	1.05	NO	
33 HpCB-170	393.803	10.110	47.08	47.07	1.61501	9467.09	5.4439	5.4439	103.1	0.12704	0.89	NO	
34 13C-HpCB-189	405.843	10.110	48.88	48.87	0.69767	284935.44	203.8726	203.8726	103.1	0.23113	1.02	NO	
35 HpCB-189	393.803	10.110	48.91	48.88	1.23073	770.02	0.4344	0.4344	103.1	0.10952	0.90	NO	

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

Name: 01SE09A10D5\_18, Date: 02-Sep-2009, Time: 14:27:39, ID: LHKPR-2-AC, Description: G9H050321-1RX

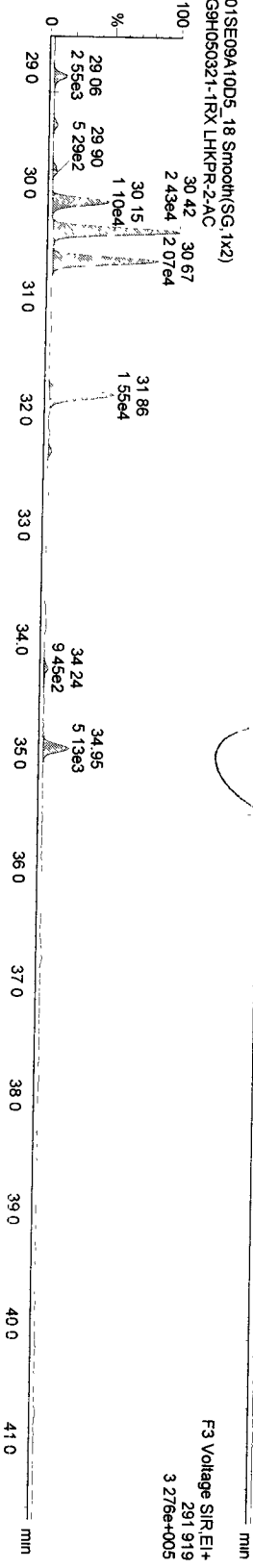
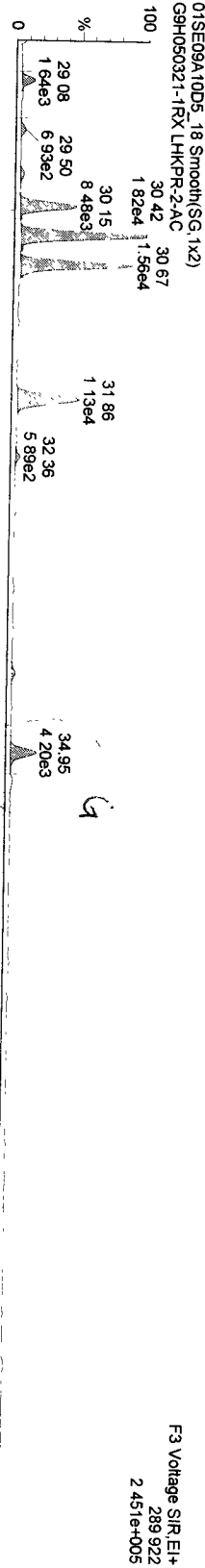
# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36													
37 13C-PeCB-111	335.924	10.110		34.06	1.30475					0.39895		NO	
38													
39 Function 3 PFK	380.976	1.000		0.00									
40 Function 4 PFK	380.976	1.000		0.00									

Dataset: C:\MassLynx\Default pro\01SE09A10D5\1668MSLA.qld

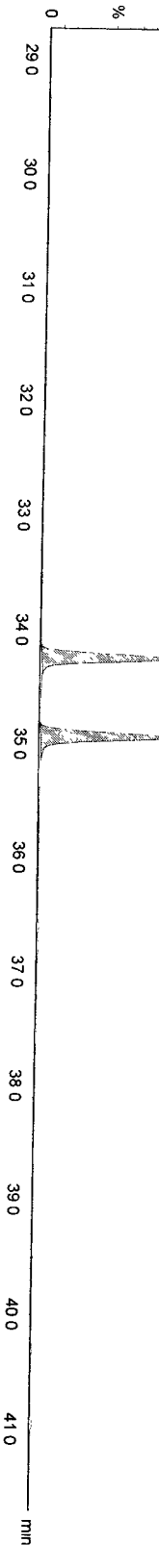
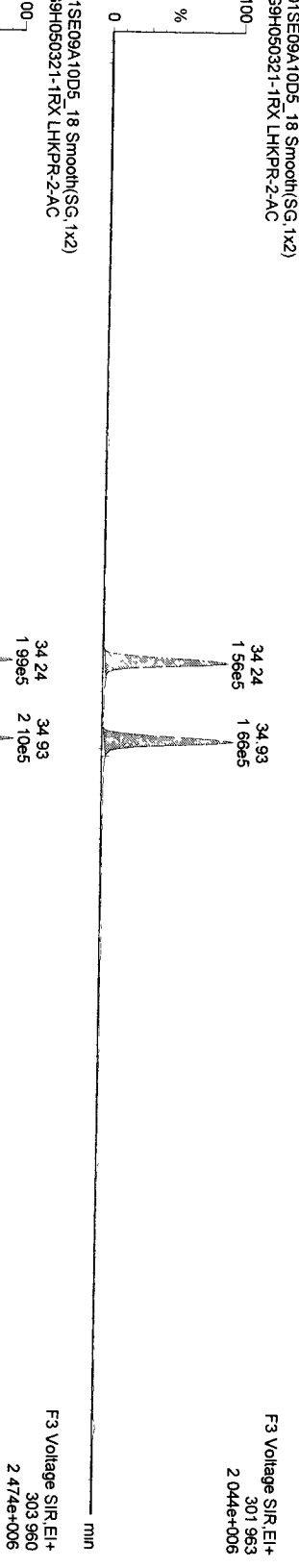
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_18, Date: 02-Sep-2009, Time: 14:27:39, ID: LHKPR-2-AC, Description: G9H050321-1-RX

**TetraPCBs**



**13C-TetrasPCBs**



Dataset: C:\MassLynx\Default\pro01SE09A10D51668MSLA.qid

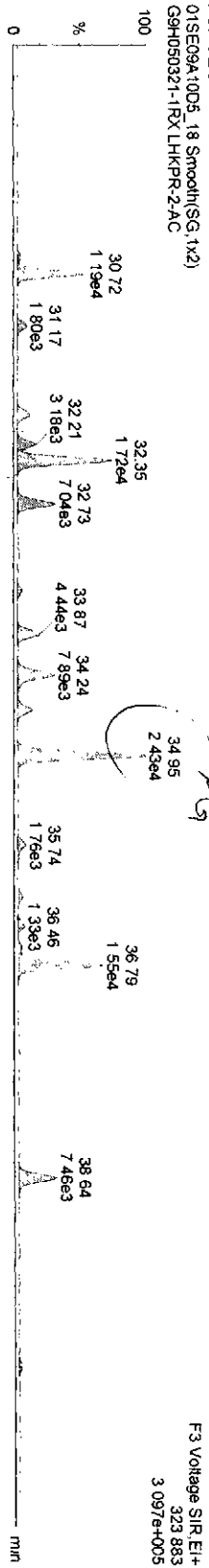
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_18, Date: 02-Sep-2009, Time: 14:27:39, ID: LHKPR-2-AC, Description: G9H050321-1RX

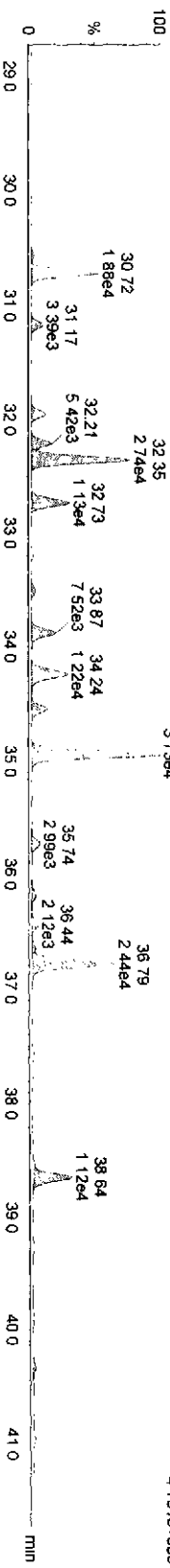
MORE THAN 50% CONTRIBUTION FROM A HIGHER CHLORINATION PCB  
*9/2/09/01/09*

*Penta.*

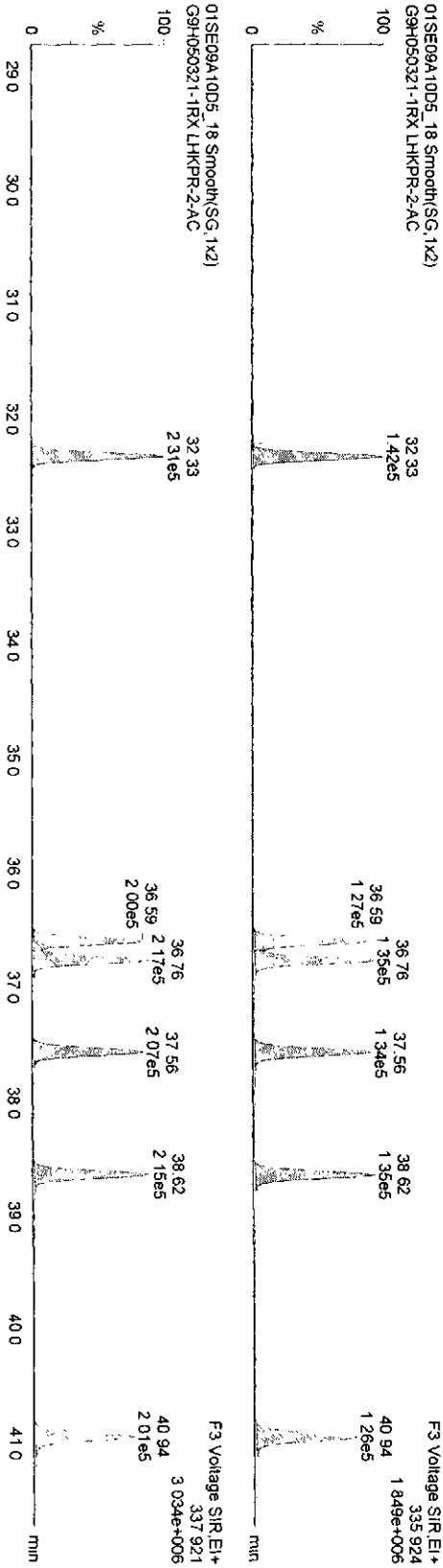
**PePCBs**



**13C-PePCBs**



**13C-PePCBs**

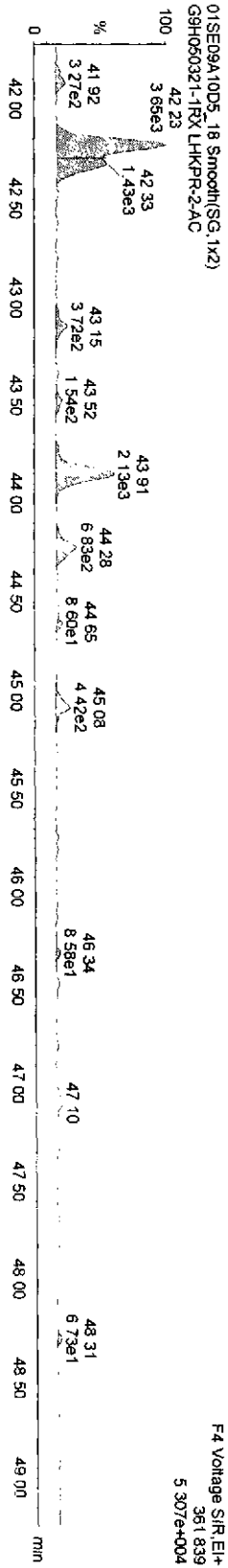
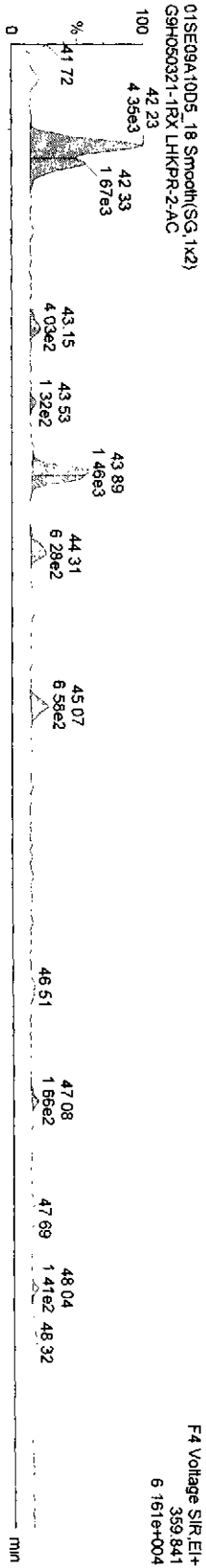


Dataset: C:\Masslynx\Default\pro\01SE09A10D5\1668MSLA.qld

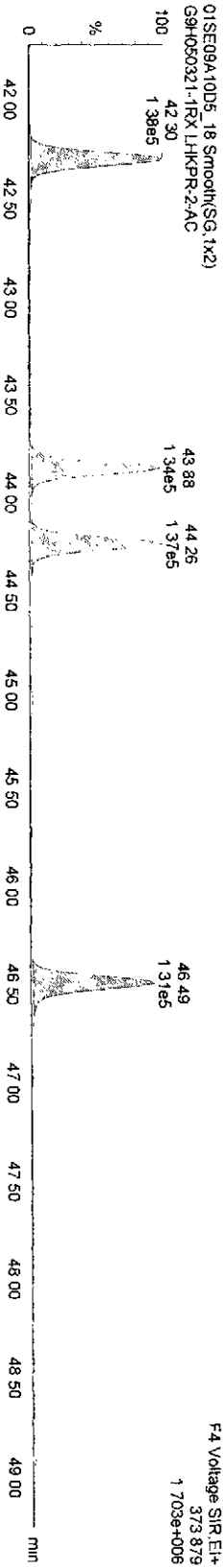
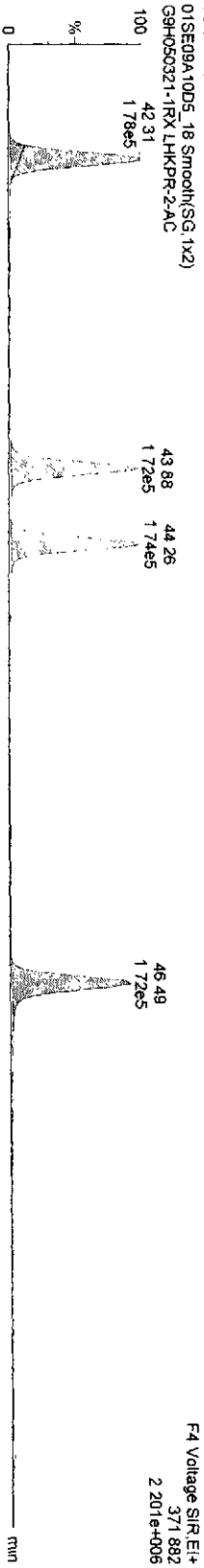
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_18, Date: 02-Sep-2009, Time: 14:27:39, ID: LHKPR-2-AC, Description: G9H050321-1-RX

HXPCBs-



13C-HXPCBs



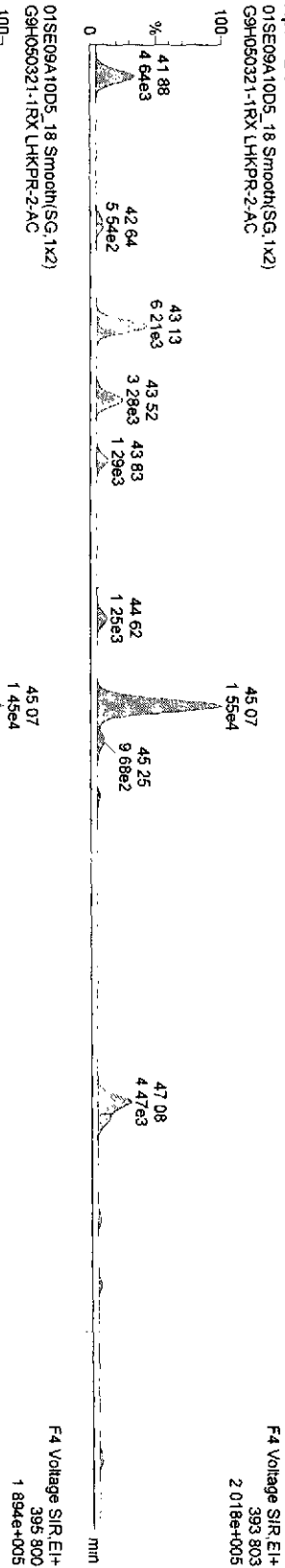
Dataset: C:\Masslynx\Default\prol01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_18, Date: 02-Sep-2009, Time: 14:27:39, ID: LHKPR-2-AC, Description: G9H050321-1RX

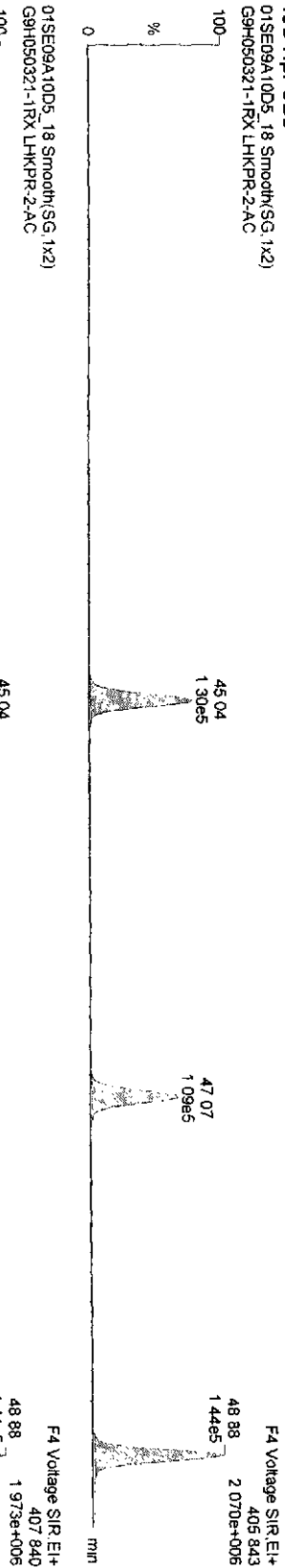
**HPICBS**

01SE09A10D5\_18 Smooth(SG, 1x2)  
G9H050321-1RX LHKPR-2-AC



**13C-HPICBS**

01SE09A10D5\_18 Smooth(SG, 1x2)  
G9H050321-1RX LHKPR-2-AC



**13C-HPICBS**

01SE09A10D5\_18 Smooth(SG, 1x2)  
G9H050321-1RX LHKPR-2-AC



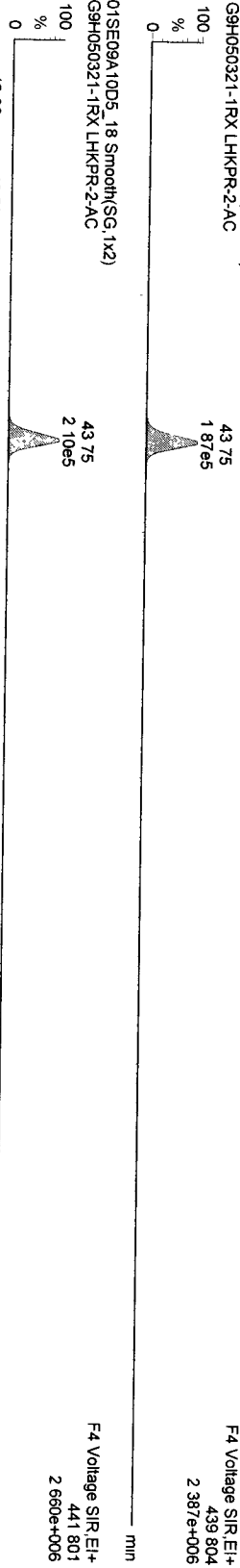
Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_16, Date: 02-Sep-2009, Time: 14:27:39, ID: LHKPR-2-AC, Description: G9H050321-1RX

13C-OcCB-202

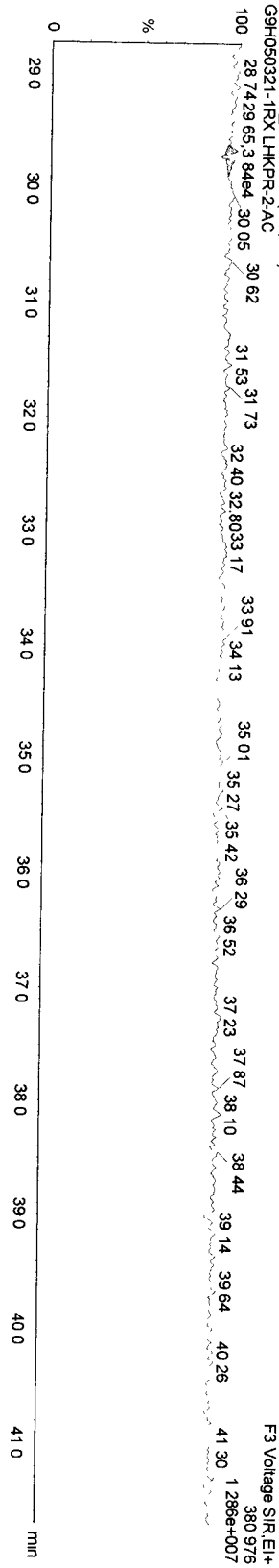
01SE09A10D5\_18 Smooth(SG, 1x2)  
G9H050321-1RX LHKPR-2-AC



F4 Voltage SIR.EI+  
439.804  
2.387e+006

Function 3 PFK

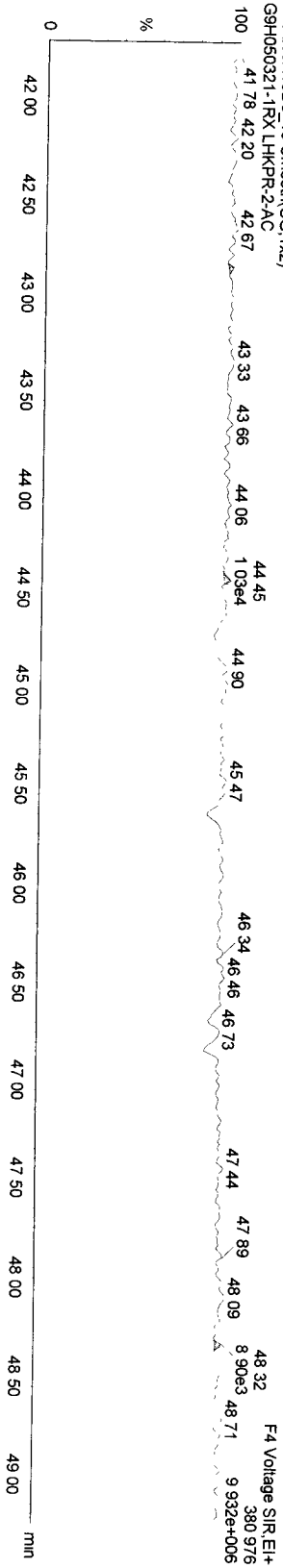
01SE09A10D5\_18 Smooth(SG, 1x2)  
G9H050321-1RX LHKPR-2-AC



F3 Voltage SIR.EI+  
380.976  
1.286e+007

Function 4 PFK

01SE09A10D5\_18 Smooth(SG, 1x2)  
G9H050321-1RX LHKPR-2-AC



F4 Voltage SIR.EI+  
380.976  
9.932e+006

Quantity Sample Summary Report Masslynx 4.1

Dataset: C:\Masslynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

RL 2

Name: 01SE09A10D5\_19, Date: 02-Sep-2009, Time: 15:24:27, ID: LHKP3-2-AC, Description: G9H050321-2RX

9/2/09 10:04/09

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
1 13C-PeCB-101	335.924	10.030	32.38	32.31	1.00000	316490.52	199.4018	199.4018	100.0	0.43085	0.62	NO	
2													
3 13C-TeCB-81	301.963	10.030	34.29	34.29	1.03984	336181.45	203.6925	203.6925	102.2	0.40808	0.78	NO	
4 TeCB-81	289.922	10.030		34.29	1.45839					0.15060		NO	
5 13C-TeCB-77	301.963	10.030	34.98	34.98	1.10430	347006.05	197.9786	197.9786	99.3	0.38426	0.81	NO	
6 TeCB-77	289.922	10.030	35.00	34.98	1.27061	14183.85	6.4147	ND 6.4147	GN	0.17724	0.74	NO	
7													
8 13C-PeCB-123	335.924	10.030	36.66	36.64	0.99324	333051.24	211.2645	211.2645	105.9	0.43378	0.61	NO	
9 PeCB-123	323.883	10.030	36.69	36.66	1.50539	2180.68	0.8673	0.8673	RL	0.20425	0.67	NO	
10 13C-PeCB-118	335.924	10.030	36.83	36.81	1.02407	348255.30	214.2573	214.2573	107.5	0.42072	0.63	NO	
11 PeCB-118/106	323.883	10.030	36.84	36.83	1.52536	52414.51	19.6748	19.6748	GN	0.19346	0.61	NO	
12 13C-PeCB-114	335.924	10.030	37.61	37.58	1.03691	327168.91	198.7923	198.7923	99.7	0.41551	0.63	NO	
13 PeCB-114	323.883	10.030		37.61	1.58603					0.19711		NO	
14 13C-PeCB-105	335.924	10.030	38.69	38.65	0.98151	333636.70	214.1648	214.1648	107.4	0.43896	0.62	NO	
15 PeCB-105/127	323.883	10.030	38.70	38.69	1.43326	29869.41	12.4553	12.4553	GN	0.22493	0.62	NO	
16 13C-PeCB-126	335.924	10.030	41.00	40.95	1.02999	323095.93	197.6368	197.6368	99.1	0.41830	0.61	NO	
17 PeCB-126	323.883	10.030		41.00	1.15582					0.29619		NO	
18													
19 13C-OcCB-202	439.804	10.030	43.80	43.73	1.00000	346797.67	199.4018	199.4018	100.0	0.16297	0.90	NO	
20													
21 13C-HxCB-167	371.882	10.030	42.36	42.34	1.00247	309940.61	177.7713	177.7713	89.2	0.30853	1.27	NO	
22 HxCB-167	359.841	10.030	42.39	42.36	1.34796	3604.89	1.7205	1.4576	RL	0.15344	0.88	YES	
23 13C-HxCB-156	371.882	10.030	43.94	43.94	0.78510	299098.07	219.0480	219.0480	109.9	0.39395	1.29	NO	
24 HxCB-156	359.841	10.030	43.97	43.94	1.68840	5497.72	2.1708	2.1708	GN	0.12330	1.25	NO	
25 13C-HxCB-157	371.882	10.030	44.33	44.31	0.83526	298526.28	205.4997	205.4997	103.1	0.37029	1.26	NO	
26 HxCB-157	359.841	10.030	44.36	44.33	1.65965	1651.88	0.6648	0.6648	RL	0.12585	1.34	NO	
27 13C-HxCB-169	371.882	10.030	46.57	46.54	0.87128	290568.40	191.7541	191.7541	96.2	0.35498	1.29	NO	
28 HxCB-169	359.841	10.030	46.57	46.57	1.09832	202.63	0.1266	0.0898	RL	0.19490	0.65	YES	
29													
30 13C-HpCB-180	405.843	10.030	45.10	45.08	0.68403	243130.88	204.3711	204.3711	102.5	0.24962	1.06	NO	
31 HpCB-180	393.803	10.030	45.13	45.10	1.30035	35166.81	22.1800	22.1800	GN	0.36332	1.03	NO	
32 13C-HpCB-170	405.843	10.030	47.13	47.10	0.54773	210117.66	220.5704	220.5704	110.6	0.31173	1.03	NO	
33 HpCB-170	393.803	10.030	47.14	47.13	1.61501	12294.41	7.2244	7.2244	GN	0.33083	1.03	NO	
34 13C-HpCB-189	405.843	10.030	48.93	48.92	0.68767	139474.04	114.9467	114.9467	57.6	0.24474	1.03	NO	
35 HpCB-189	393.803	10.030		48.93	1.23073					0.57326		NO	



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time

Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

Name: 01SE09A10D5\_19, Date: 02-Sep-2009, Time: 15:24:27, ID: LHKP3-2-AC, Description: G9H050321-2RX

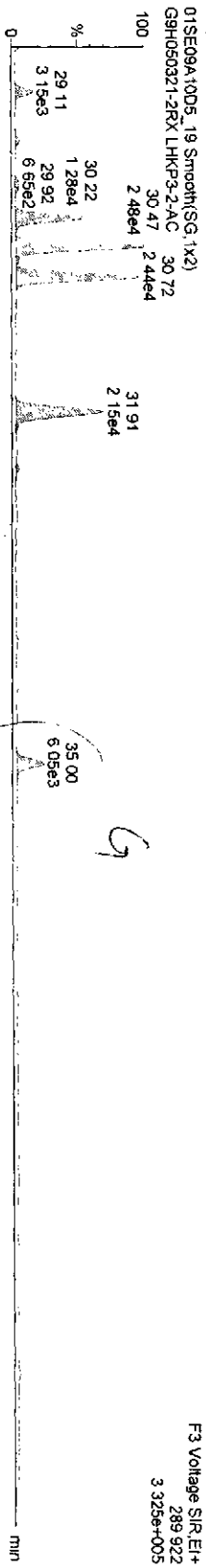
# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36													
37 13C-PeCB-111		335.924	10.030			34.06	1	30475					
38										0.34829		NO	
39 Function 3 PFK		380.976	1.000			0.00							
40 Function 4 PFK		380.976	1.000			0.00							

Dataset C:\Masslynx\Default\proj\01SE09A10D5\1668MSLA.qld

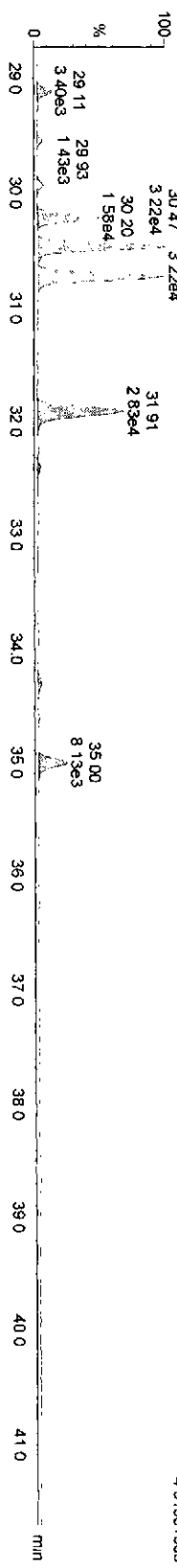
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_19 Date: 02-Sep-2009, Time: 15:24:27, ID: LHKP3-2-AC, Description: G9H050321-2RX

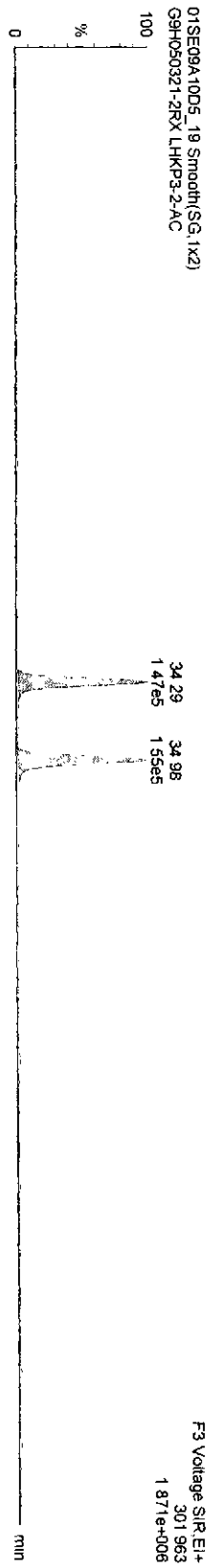
**TetraPCBs**



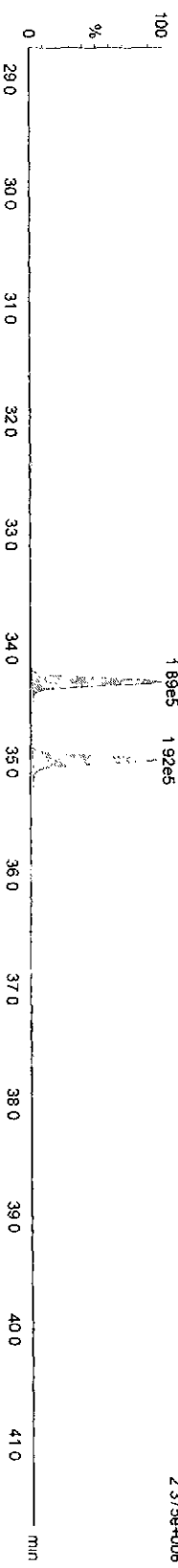
01SE09A10D5\_19 Smooth(SG, 1x2)  
G9H050321-2RX LHKP3-2-AC 30.72



**13C-TetraspCBs**



01SE09A10D5\_19 Smooth(SG, 1x2)  
G9H050321-2RX LHKP3-2-AC



Dataset: C:\MassLynx\Default\pro\01SE09A10D51668MSLA.qid

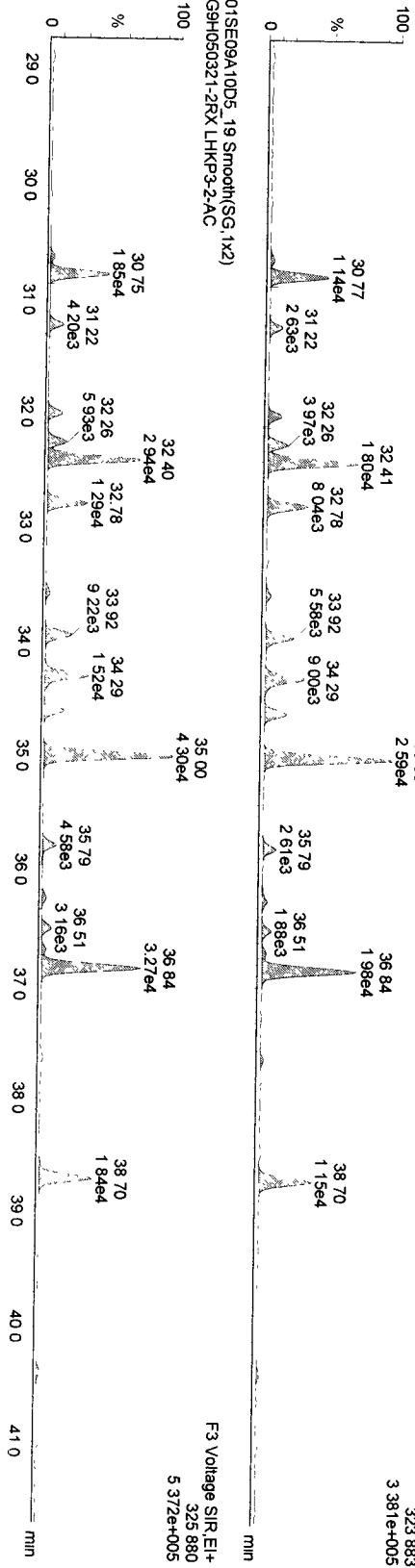
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

**MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCB**

Name: 01SE09A10D5\_19, Date: 02-Sep-2009, Time: 15:24:27, ID: LHKP3-2-AC, Description: G9H050321-2RX

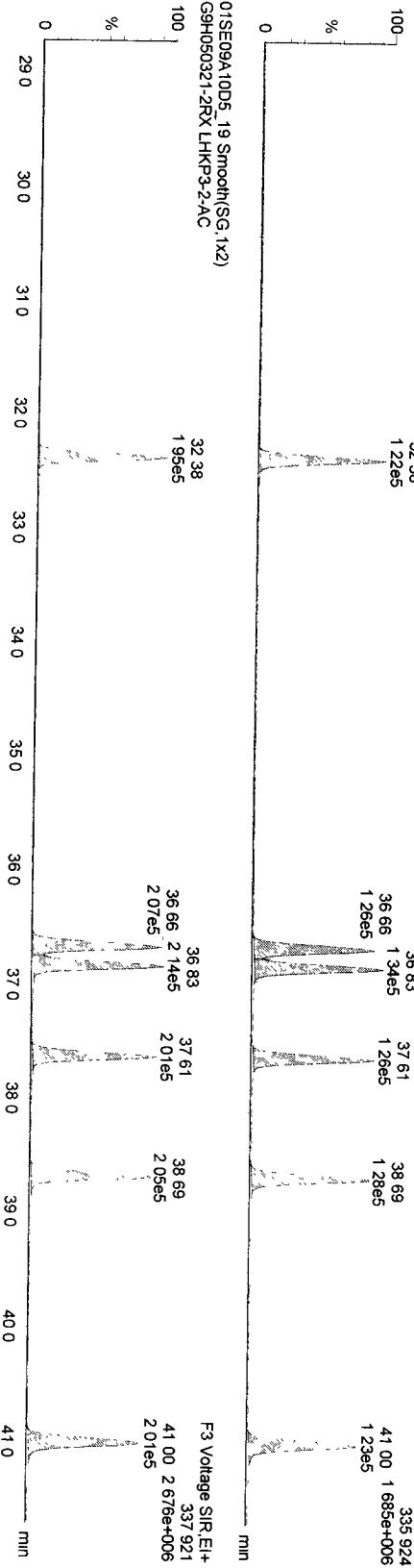
**PePCBs**

01SE09A10D5\_19 Smooth(SG, 1x2)  
G9H050321-2RX LHKP3-2-AC



**13C-PePCBs**

01SE09A10D5\_19 Smooth(SG, 1x2)  
G9H050321-2RX LHKP3-2-AC

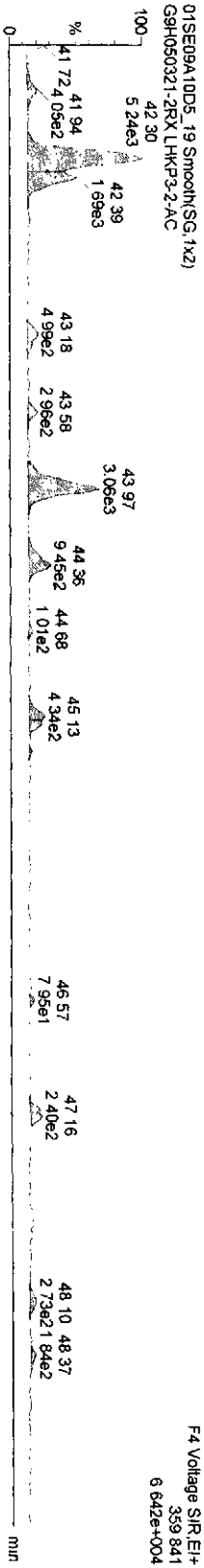


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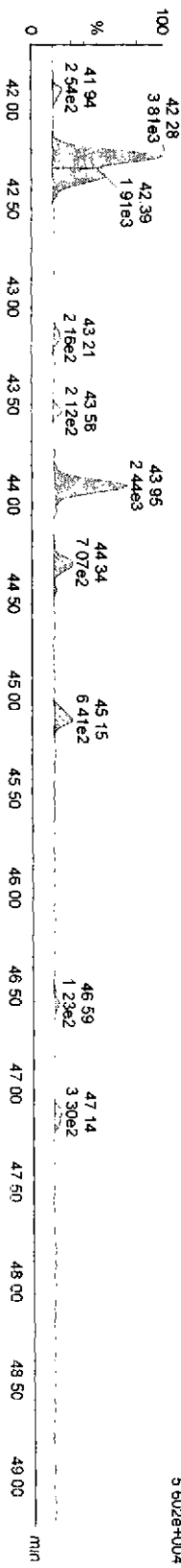
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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_19, Date: 02-Sep-2009, Time: 15:24:27, ID: LHKP3-2-AC, Description: G9H050321-2RX

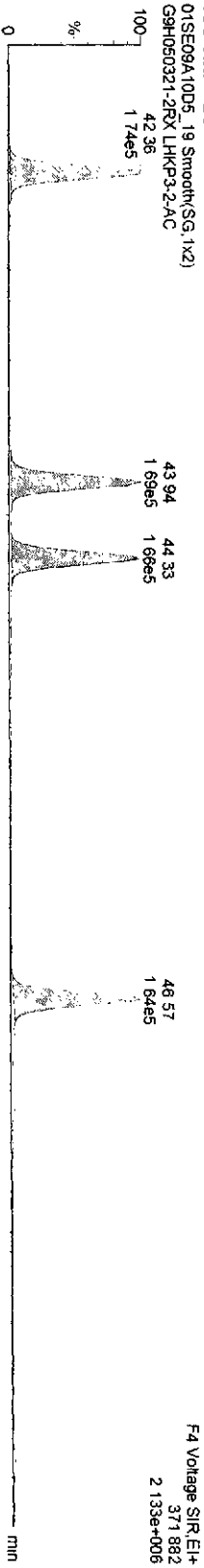
HXPCBS-



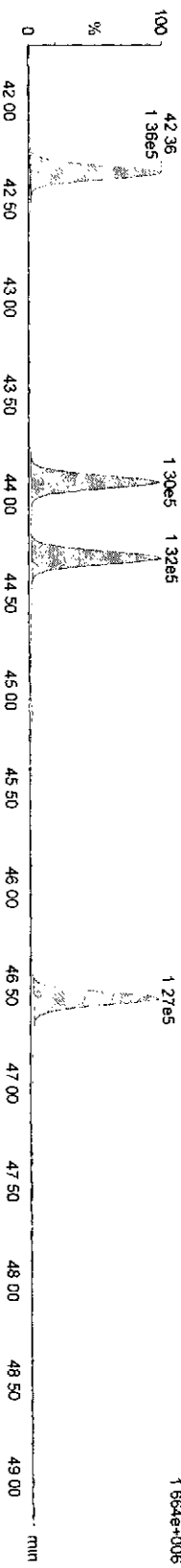
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G9H050321-2RX LHKP3-2-AC



13C-HXPCBS-



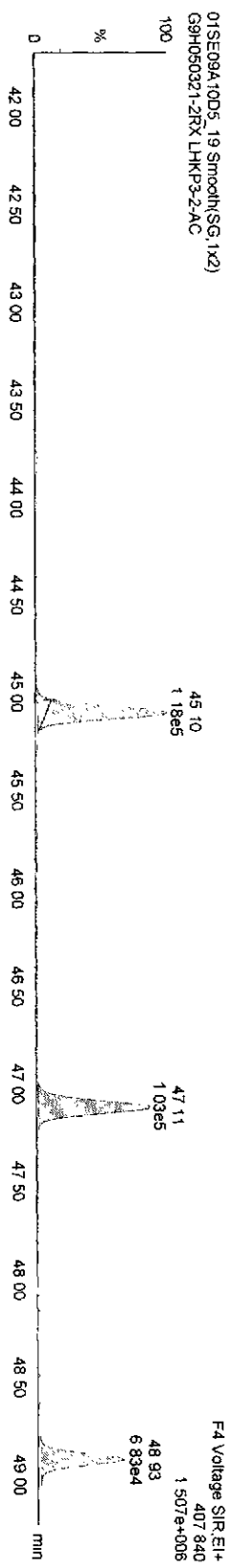
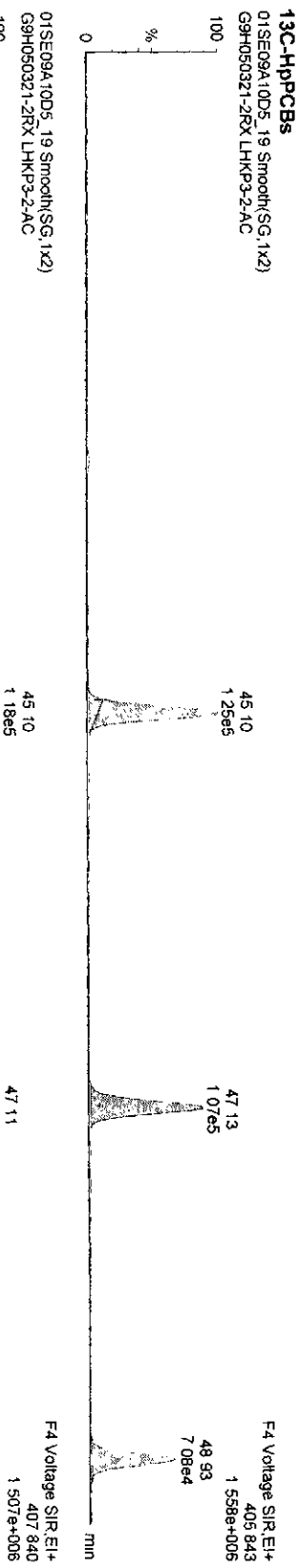
01SE09A10D5\_19 Smooth(SG, 1x2)  
G9H050321-2RX LHKP3-2-AC



Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_19, Date: 02-Sep-2009, Time: 15:24:27, ID: LHKP3-2-AC, Description: G9H050321-2RX



Quantity Sample Report MassLynx 4.1

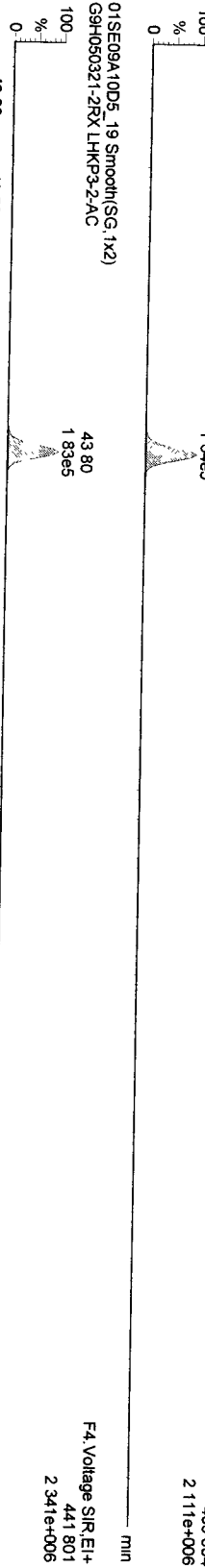
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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_19, Date: 02-Sep-2009, Time: 15:24:27, ID: LHKP3-2-AC, Description: G9H050321-2RX

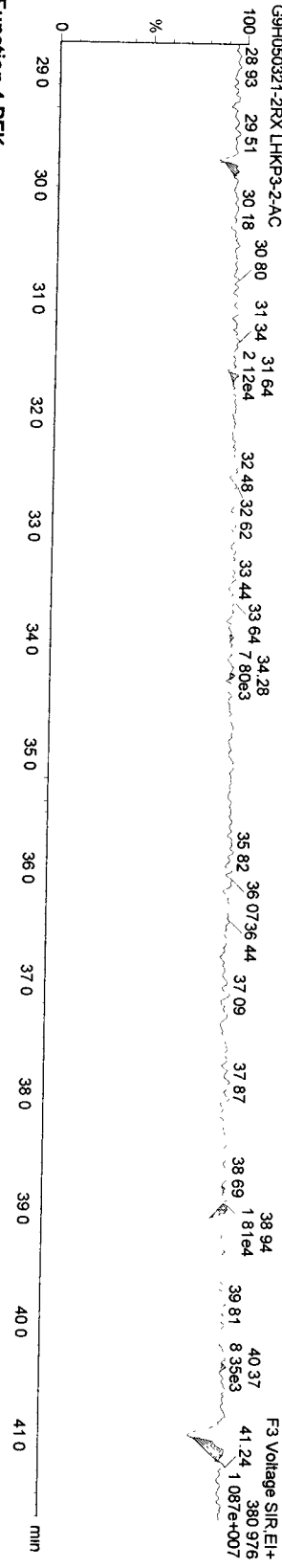
13C-OCCB-202

01SE09A10D5\_19 Smooth(SG, 1x2)  
G9H050321-2RX LHKP3-2-AC



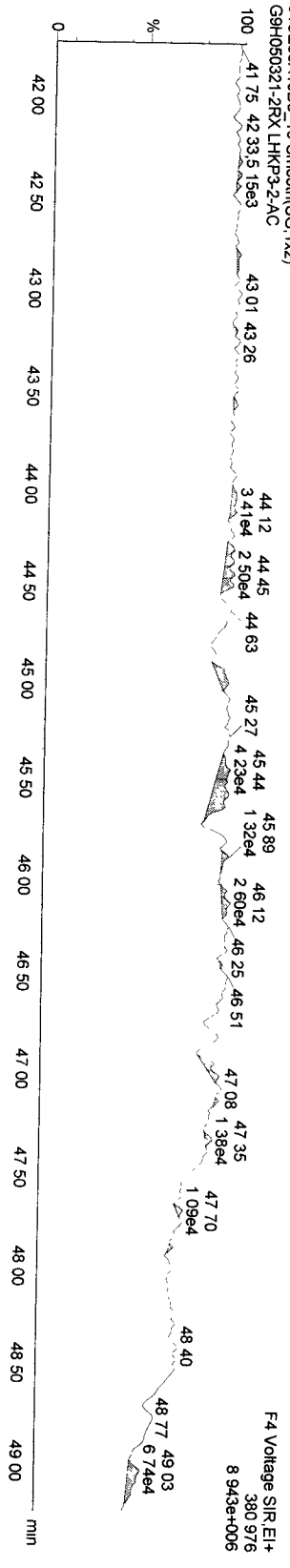
Function 3 PFK

01SE09A10D5\_19 Smooth(SG, 1x2)  
G9H050321-2RX LHKP3-2-AC



Function 4 PFK

01SE09A10D5\_19 Smooth(SG, 1x2)  
G9H050321-2RX LHKP3-2-AC



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qtd

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

Name: 01SE09A10D5\_20, Date: 02-Sep-2009, Time: 16:21:15, ID: LHKP4-2-AC, Description: G9H050321-3RX

*RL 1.94*

*906 9/24/09*

# Name	Trace	Sample Size	RT	Prd. RT	RRF M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
1 13C-PeCB-101	335.924	10.300	32.40	32.31	1.00000	532260.84	194.1748	194.1748	100.0	0.23983	0.63	NO	
2													
3 13C-TeCB-81	301.963	10.300	34.31	34.31	1.03984	551119.59	193.3512	193.3512	99.6	0.27856	0.82	NO	
4 TeCB-81	289.922	10.300	34.33	34.31	1.45839	2348.93	0.5675	0.5046	99.6	0.08796	0.63	YES	
5 13C-TeCB-77	301.963	10.300	35.00	35.00	1.10430	560097.06	185.0309	185.0309	95.3	0.26230	0.79	NO	
6 TeCB-77	289.922	10.300	35.01	35.00	1.27061	16761.37	4.5733	4.5733	99.6	0.10174	0.75	NO	
7													
8 13C-PeCB-123	335.924	10.300	36.67	36.66	0.99324	513606.63	188.6453	188.6453	97.2	0.24147	0.62	NO	
9 PeCB-123	323.883	10.300	36.71	36.67	1.50539	2703.61	0.6790	0.5790	99.6	0.10734	0.68	NO	
10 13C-PeCB-118	335.924	10.300	36.84	36.83	1.02407	539160.98	192.0685	192.0685	98.9	0.23420	0.62	NO	
11 PeCB-118/106	323.883	10.300	36.86	36.84	1.52536	68892.95	16.2659	16.2659	99.6	0.10150	0.60	NO	
12 13C-PeCB-114	335.924	10.300	37.63	37.60	1.03691	520477.45	183.1173	183.1173	94.3	0.23130	0.64	NO	
13 PeCB-114	323.883	10.300	37.63	37.63	1.58603	502364.31	186.7209	186.7209	96.2	0.24435	0.65	NO	
14 13C PeCB-105	335.924	10.300	38.70	38.67	0.98151	33215.40	8.9575	8.9575	99.6	0.12146	0.61	NO	
15 PeCB-105/127	323.883	10.300	38.72	38.70	1.43326	458923.26	162.5460	162.5460	83.7	0.23285	0.63	NO	
16 13C-PeCB-126	335.924	10.300	41.02	40.97	1.02999	458923.26	162.5460	162.5460	83.7	0.23285	0.63	NO	
17 PeCB-126	323.883	10.300	41.02	41.02	1.15582	458923.26	162.5460	162.5460	83.7	0.16834	0.63	NO	
18													
19 13C-OcCB-202	439.804	10.300	43.81	43.73	1.00000	423245.56	194.1748	194.1748	100.0	0.14240	0.90	NO	
20													
21 13C-HxCB-167	371.882	10.300	42.37	42.35	1.00247	401792.03	183.8789	183.8789	94.7	0.25641	1.29	NO	
22 HxCB-167	359.841	10.300	42.40	42.37	1.34796	4896.55	1.7555	1.5175	99.6	0.07997	0.92	YES	
23 13C-HxCB-156	371.882	10.300	43.95	43.95	0.78510	3633964.00	212.6824	212.6824	109.5	0.32740	1.31	NO	
24 HxCB-156	359.841	10.300	43.97	43.95	1.68840	6299.86	1.9906	1.9906	99.6	0.06982	1.24	NO	
25 13C-HxCB-157	371.882	10.300	44.34	44.32	0.83526	419524.30	230.4270	230.4270	118.7	0.30774	1.28	NO	
26 HxCB-157	359.841	10.300	44.37	44.34	1.65965	2673.55	0.7456	0.7456	99.6	0.06237	1.26	NO	
27 13C-HxCB-169	371.882	10.300	46.57	46.55	0.87128	466200.77	245.4804	245.4804	126.4	0.29502	1.29	NO	
28 HxCB-169	359.841	10.300	47.16	46.57	1.09832	780.80	0.2961	0.2371	99.6	0.08919	1.80	YES	
29													
30 13C-HpCB-180	405.843	10.300	45.11	45.09	0.68403	379100.44	254.2618	254.2618	130.9	0.41564	1.06	NO	
31 HpCB-180	393.803	10.300	45.15	45.11	1.30035	58000.25	22.8459	22.8459	99.6	0.25068	1.08	NO	
32 13C-HpCB-170	405.843	10.300	47.13	47.11	0.54773	315843.02	264.5474	264.5474	136.2	0.51907	1.07	NO	
33 HpCB-170	393.803	10.300	47.16	47.13	1.61501	18687.45	7.1137	7.1137	99.6	0.25391	1.07	NO	
34 13C-HpCB-189	405.843	10.300	48.94	48.93	0.69767	202890.10	133.4171	133.4171	68.7	0.40751	1.01	NO	
35 HpCB-189	393.803	10.300	48.94	48.94	1.23073	202890.10	133.4171	133.4171	68.7	0.43820	1.01	NO	

Dataset: C:\MassLynx\Default\pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

Name: 01SE09A10D5\_20, Date: 02-Sep-2009, Time: 16:21:15, ID: LHKP4-2-AC, Description: G9H050321-3RX

# Name	Trace	Sample Size	RT	Ptd RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36													
37 13C-PeCB-111		335.924	10.300		34.06	1.30475				0.20925		NO	
38													
39 Function 3 PFK		380.976	1.000		0.00								
40 Function 4 PFK		380.976	1.000		0.00								



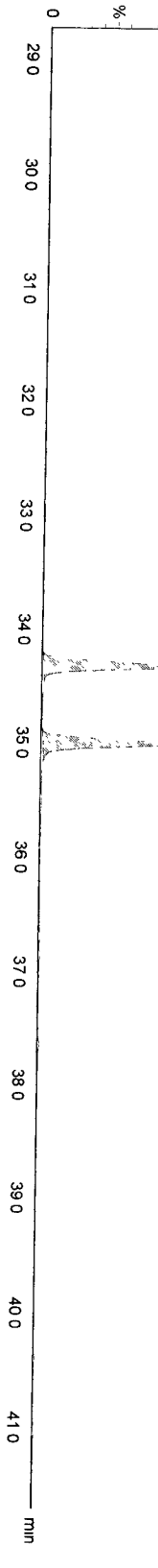
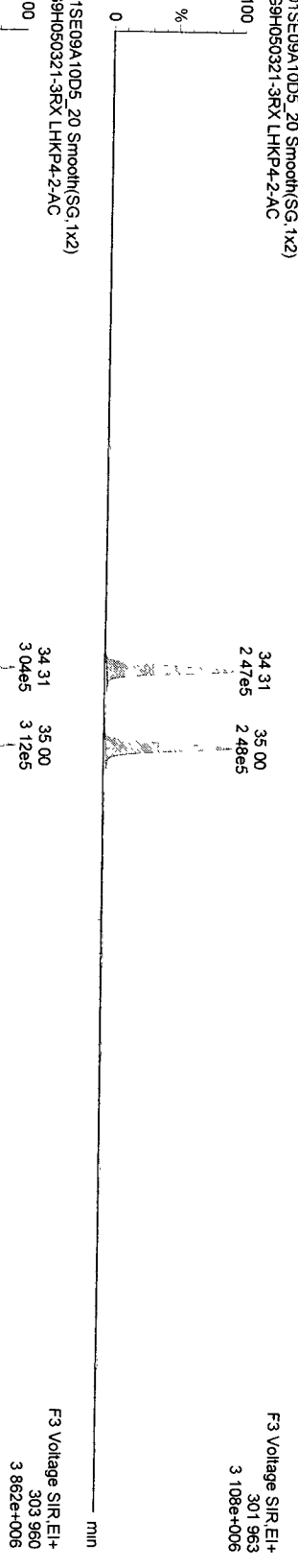
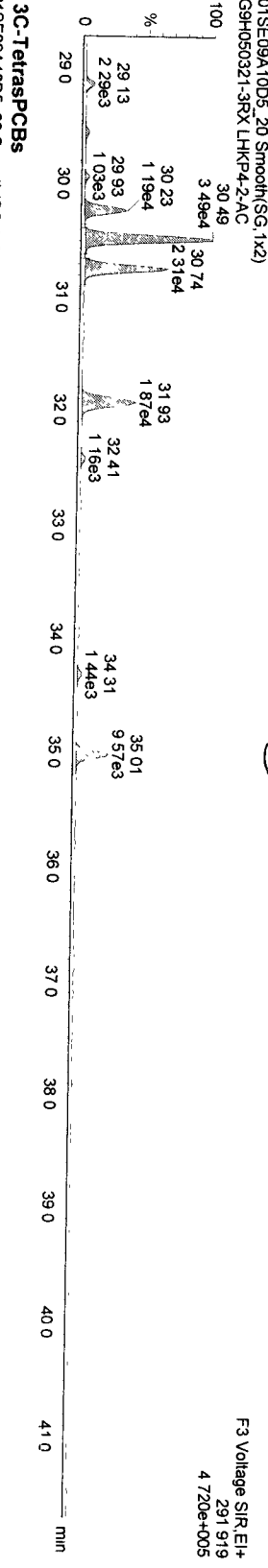
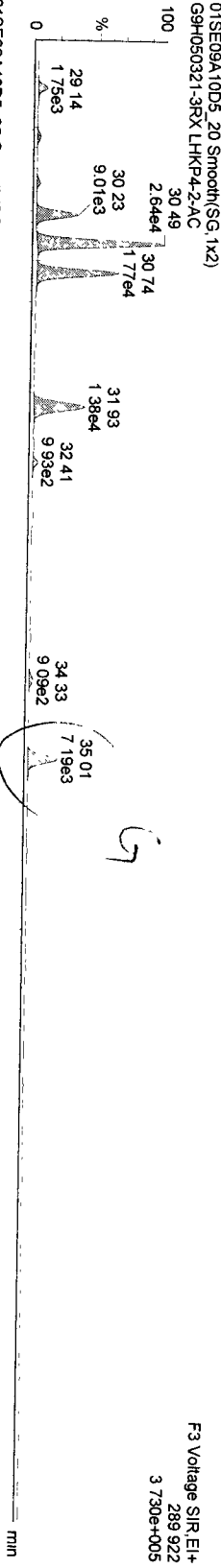
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qid

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_20, Date: 02-Sep-2009, Time: 16:21:15, ID: LHKP4-2-AC, Description: G9H050321-3RX

**TetraPCBs**



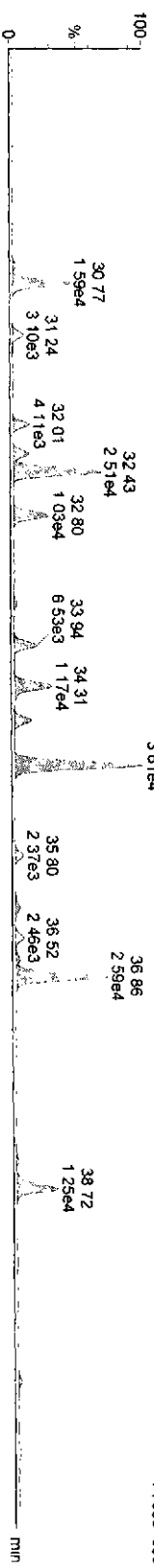
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MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCB

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

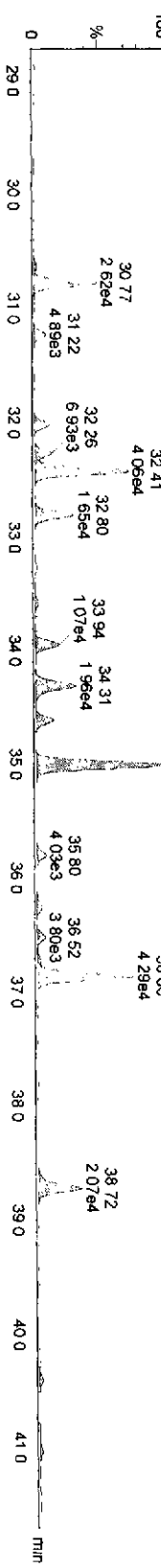
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PePCBs  
01SE09A10D5\_20 Smooth(SG, 1x2)  
G9H050321-3RX LHKP4-2-AC



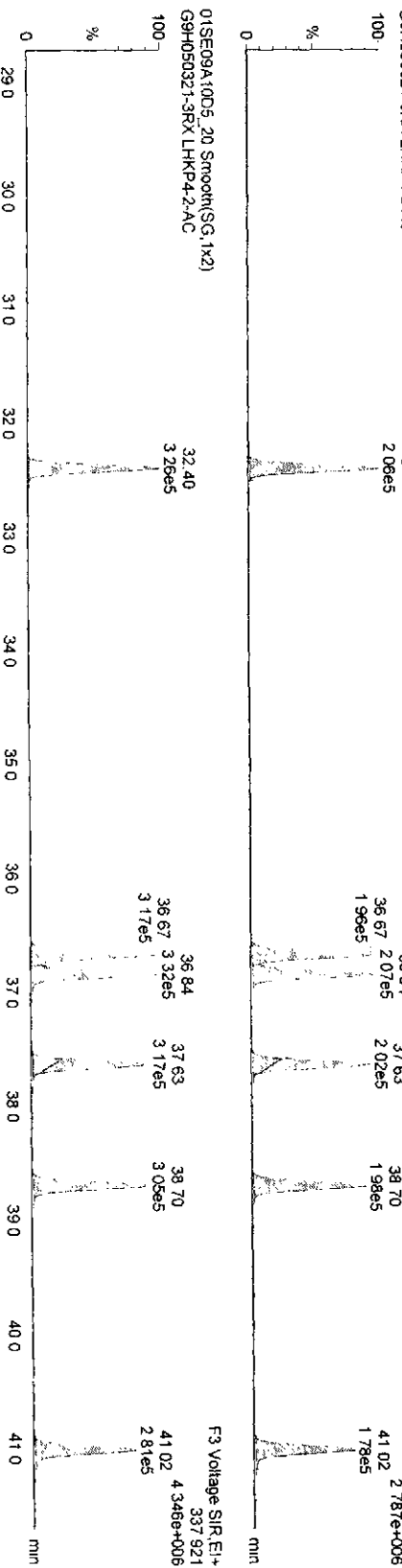
01SE09A10D5\_20 Smooth(SG, 1x2)  
G9H050321-3RX LHKP4-2-AC

F3 Voltage SIR, EI+  
325.880  
7.198e+005



13C-PePCBs  
01SE09A10D5\_20 Smooth(SG, 1x2)  
G9H050321-3RX LHKP4-2-AC

F3 Voltage SIR, EI+  
335.924  
2.78e+006



01SE09A10D5\_20 Smooth(SG, 1x2)  
G9H050321-3RX LHKP4-2-AC

F3 Voltage SIR, EI+  
337.921  
4.34e+006

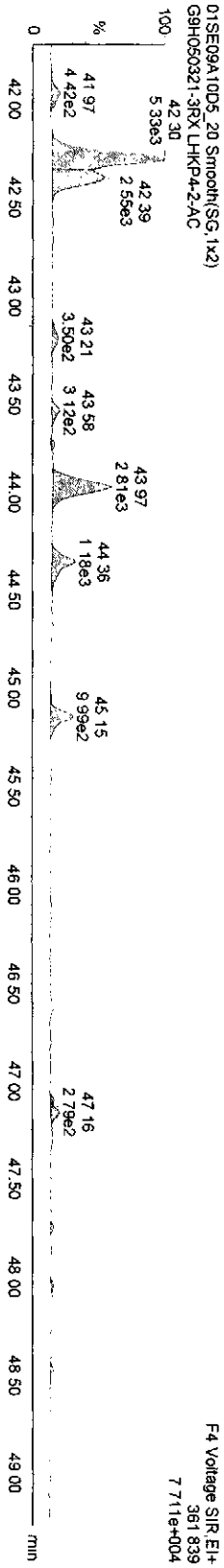
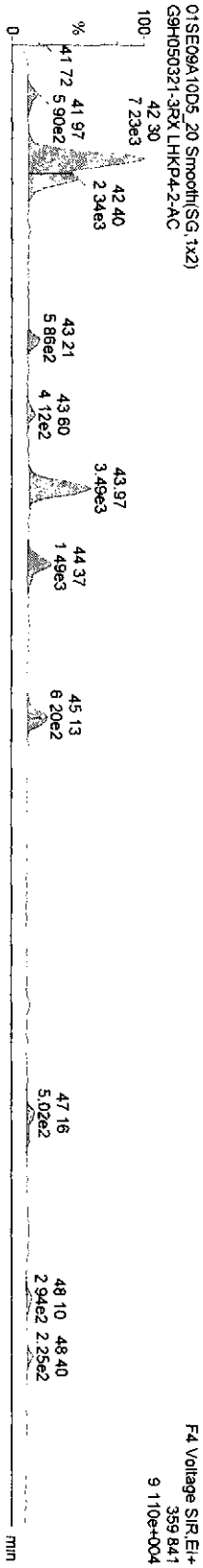
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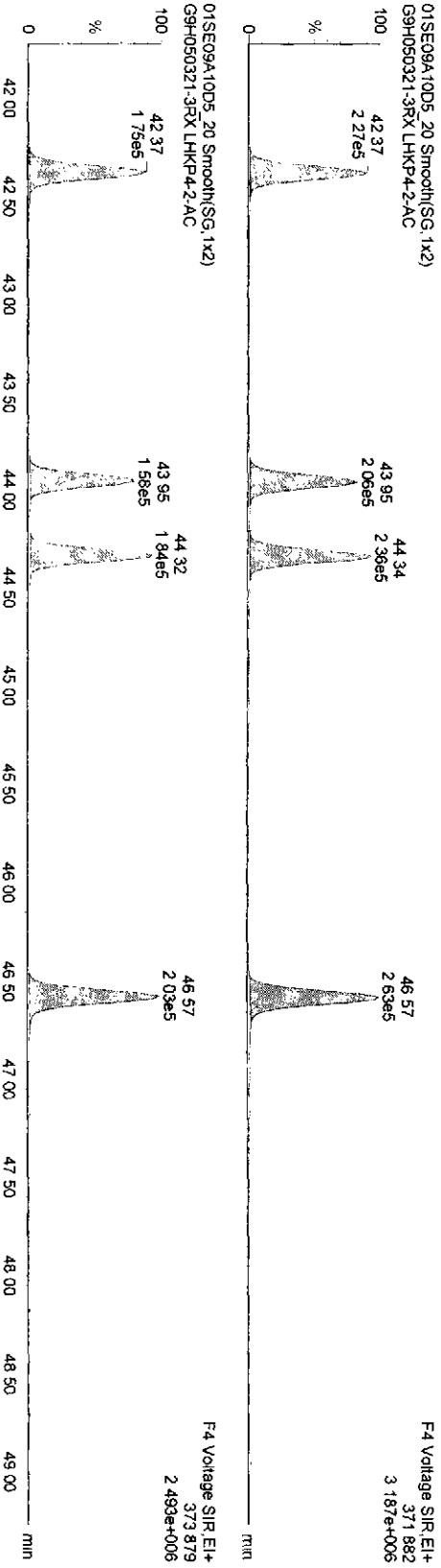
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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_20, Date: 02-Sep-2009, Time: 16:21:15, ID: LHKP4-2-AC, Description: G9H050321-3RX

HxPCBs-



13C-HxPCBs

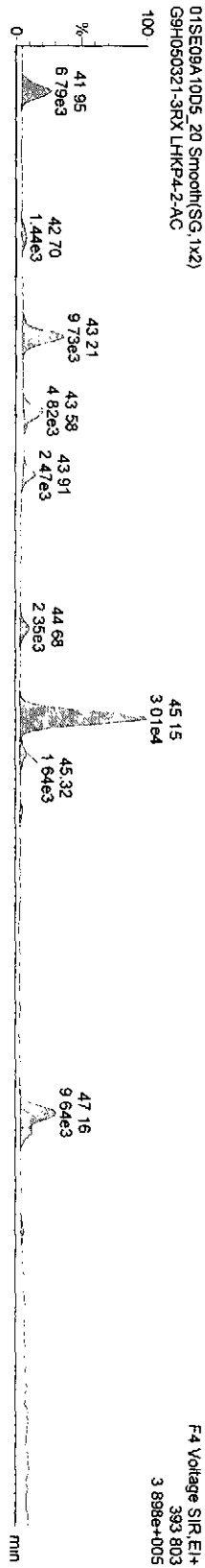


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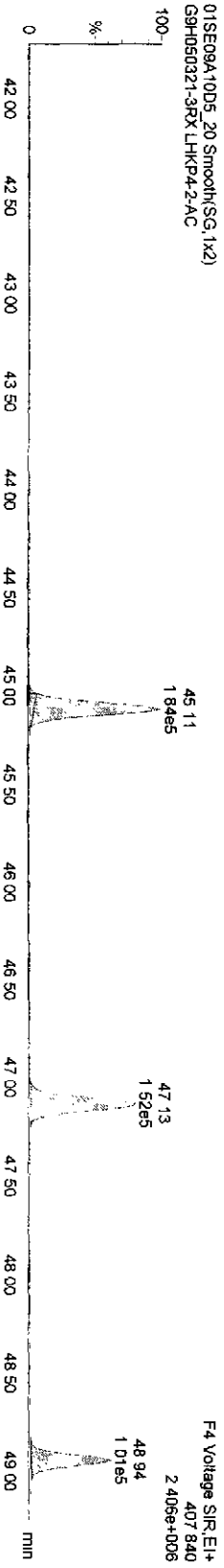
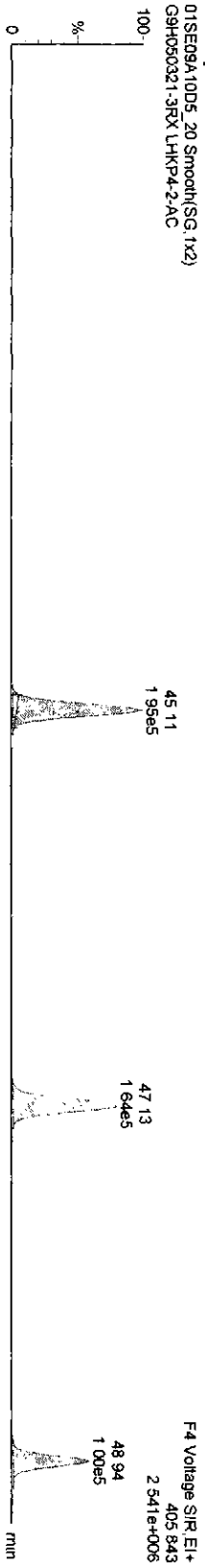
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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_20, Date: 02-Sep-2009, Time: 16:21:15, ID: LHKP4-2-AC, Description: G9H050321-3RX

**HPPCBs**



**13C-HPPCBs**



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro1\SE09A10D51668MSLA.qld

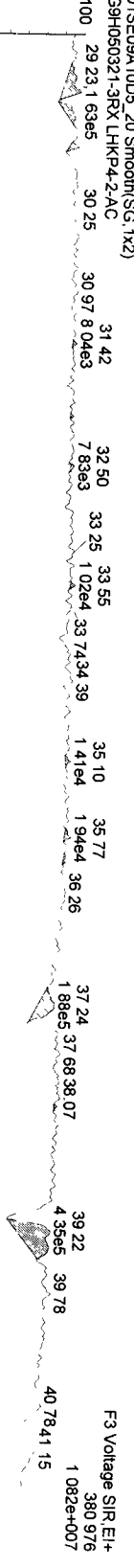
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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_20, Date: 02-Sep-2009, Time: 16:21:15, ID: LHKP4-2-AC, Description: G9H050321-3RX

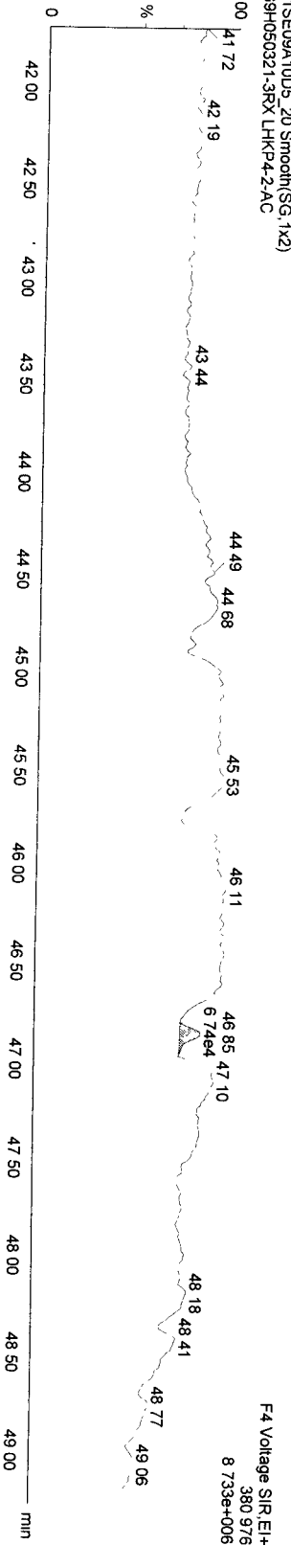
13C-OCCB-202



Function 3 PFK



Function 4 PFK



Quantity Sample Summary Report Masslynx 4.1

Dataset: C:\Masslynx\Default\pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

*Handwritten signature/initials*

Name: 01SE09A10D5\_21, Date: 02-Sep-2009, Time: 17:18:03, ID: LHKP6-2-AC, Description: G9H050321-4RX

# Name	Trace	Sample Size	RT	Ptd. RT	RRF	M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
1 13C-PeCB-101	335 924	10.070	32.41	32.31	1.00000		431783.63	198 6097	198 6097	100.0	0.36882	0.64	NO	
2														
3 13C-TeCB-81	301.963	10.070	34.33	34.32	1.03984		437870.20	193 6924	193 6924	97.5	0.41699	0.80	NO	
4 TeCB-81	289 922	10.070	34.33	34.33	1.45839		2061.62	0 6412	0 5716		0.10867	0.63	YES	
5 13C-TeCB-77	301.963	10.070	35.00	35.01	1.10430		454458.25	189 2959	189 2959	95.3	0.39265	0.82	NO	
6 TeCB-77	289 922	10.070	35.03	35.00	1.27061		16714.65	5 7490	ND 5 7490		0.12548	0.78	NO	
7														
8 13C-PeCB-123	335 924	10.070	36.67	36.67	0.99324		424363.02	196 5256	196 5256	99.0	0.37133	0.63	NO	
9 PeCB-123	323 883	10.070	<del>36.67</del>	36.67	1.50539		5528 55	1 7188	1 7488		0.11931	0.64	NO	
10 13C-PeCB-118	335 924	10.070	36 86	36 84	1.02407		446097 78	200 3705	200 3705	100.9	0.36015	0.64	NO	
11 PeCB-118/106	323 883	10.070	36 88	36 86	1.52536		60651 47	17 7027	17 7027		0.11410	0.64	NO	
12 13C-PeCB-114	335 924	10.070	37.65	37 61	1.03691		422654 33	187 4903	187 4903	94.4	0.35569	0.64	NO	
13 PeCB-114	323 883	10.070		37 65	1 58603						0.11474		NO	
14 13C PeCB-105	335 924	10.070	38 70	38 68	0.99151		412443 84	193 2881	193 2881	97.3	0.37577	0.63	NO	
15 PeCB-105/127	323 883	10.070	38 72	38 70	1.43326		32405 00	10 8873	10 8873		0.13070	0.65	NO	
16 13C-PeCB-126	335 924	10.070	41.02	40 98	1.02999		349009.33	155 8617	155 8617	78.5	0.35808	0.61	NO	
17 PeCB-126	323 883	10.070		41 02	1 15582						0.20004		NO	
18														
19 13C-OoCB-202	439 804	10.070	43 81	43 73	1.00000		379097 69	198 6097	198 6097	100.0	0.18831	0.88	NO	
20														
21 13C-HXCB-167	371 882	10.070	42 39	42 35	1 00247		335516 47	175 3450	175 3450	88.3	0.31016	1.28	NO	
22 HXCB-167	359 841	10.070	42 42	42 39	1 34796		3907 29	1 7159	1 5663		0.16856	1.02	YES	
23 13C-HXCB-156	371 882	10.070	43 97	43 95	0 78510		347894 73	232 1507	232 1507	116.9	0.39604	1.28	NO	
24 HXCB-156	359 841	10.070	43 98	43 97	1 68840		6001 89	2 0294	2 0294		0.12873	1.13	NO	
25 13C-HXCB-157	371 882	10.070	44 34	44 32	0 83526		364000 25	228 3110	228 3110	115.0	0.37225	1.29	NO	
26 HXCB-157	359 841	10.070	44 36	44 34	1 65965		2075 84	0 6825	0 5697		0.12260	0.86	YES	
27 13C-HXCB-169	371 882	10.070	46 57	46 55	0 87128		390463 45	234 7865	234 7865	118.2	0.35687	1.29	NO	
28 HXCB-169	359 841	10.070	47 16	46 57	1 09832		956 24	0 4429	0 3731		0.17401	0.87	YES	
29														
30 13C-HpCB-180	405 843	10.070	45 11	45 09	0 668403		302591 16	231 7566	231 7566	116.7	0 42543	1 05	NO	
31 HpCB-180	393 803	10.070	45 15	45 11	1 30035		43266 28	21 8390	21 8390		0 33911	1 05	NO	
32 13C-HpCB-170	405 843	10.070	47 13	47 11	0 54773		268701 33	257 0106	257 0106	129.4	0 53130	1 06	NO	
33 HpCB-170	393 803	10.070	47 16	47 13	1 61501		13921 64	6 3716	6 3716		0 30424	1 08	NO	
34 13C-HpCB-189	405 843	10.070	48 96	48 93	0 69767		196334 10	147 4332	147 4332	74.2	0 41712	1 06	NO	
35 HpCB-189	393 803	10.070		48 96	1 23073						0 49864		NO	

**Quantity Sample Summary Report**      **MassLynx 4.1**

Dataset: C:\MassLynx\Default\pro101SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

**Name: 01SE09A10D5\_21, Date: 02-Sep-2009, Time: 17:18:03, ID: LHKP6-2-AC, Description: G9H050321-4RX**

# Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs.Rasp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36														
37 13C-PeCB-111	335.924	10.070		34.06	1.30475						0.31639			
38														
39 Function 3 PFK	380.976	1.000		0.00										NO
40 Function 4 PFK	380.976	1.000		0.00										

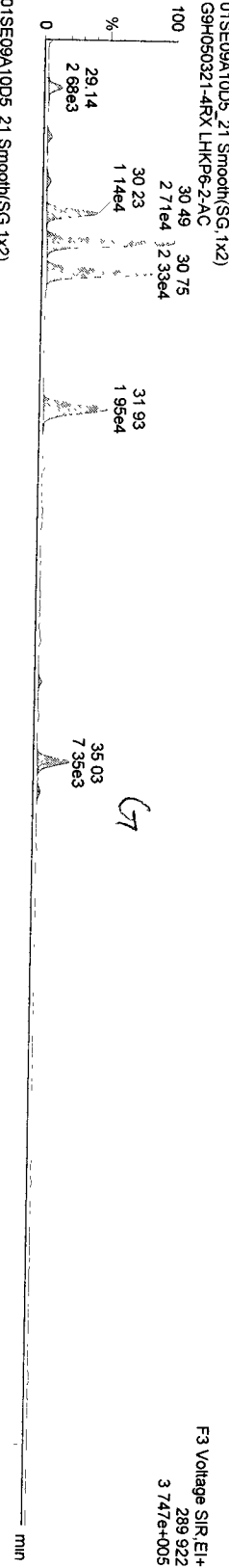
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668M\SLA.qld

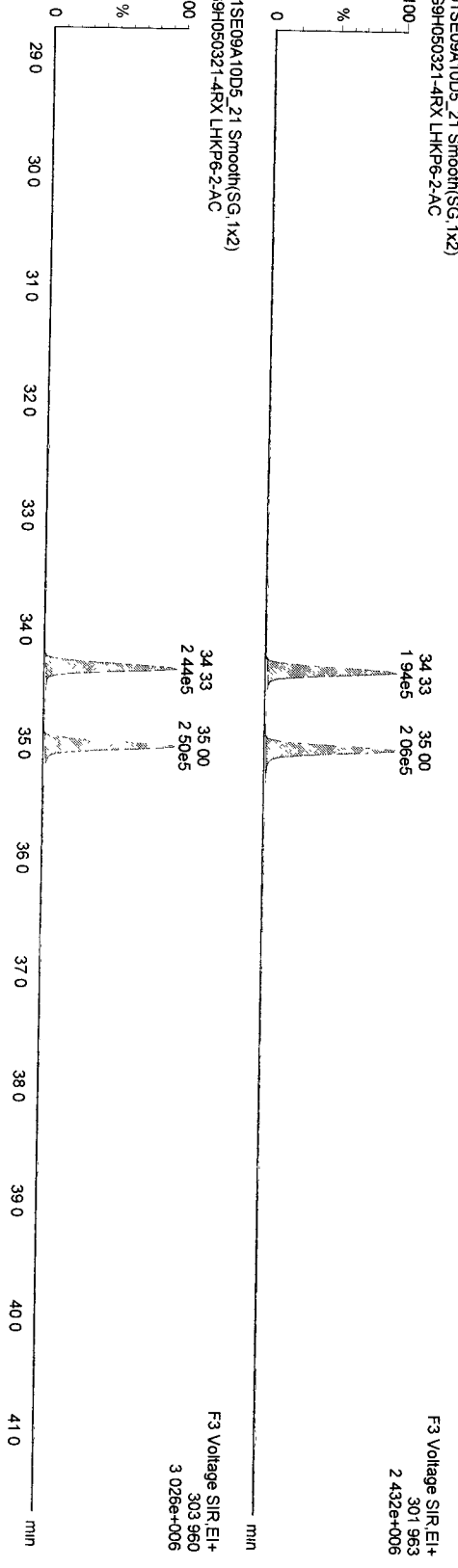
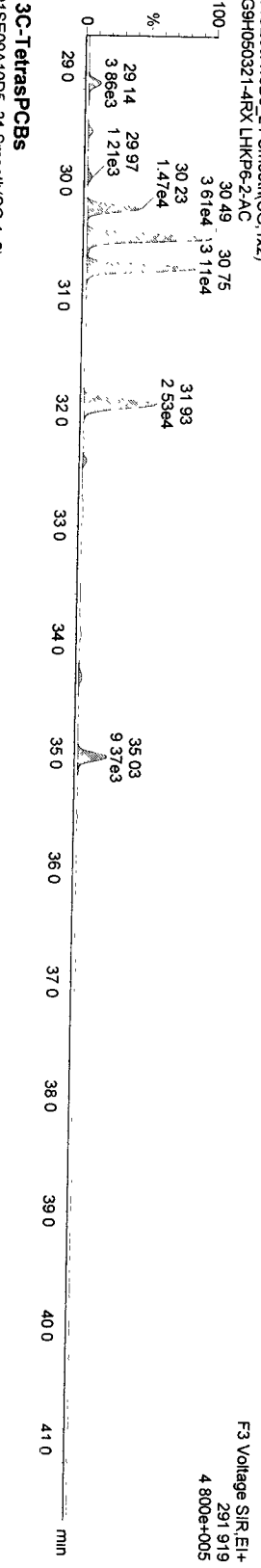
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_21, Date: 02-Sep-2009, Time: 17:18:03, ID: LHKP6-2-AC, Description: G9H050321-4RX

TetraPCBs



G7





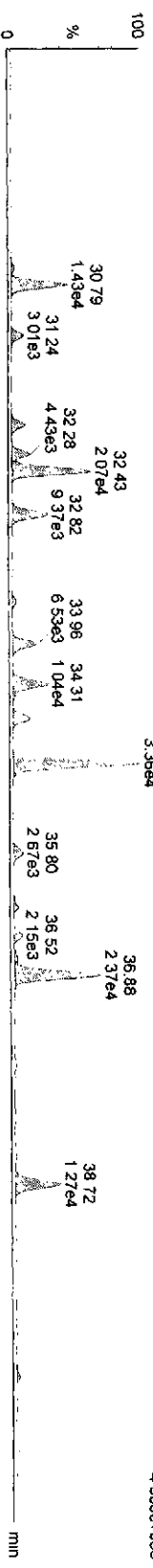
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Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_21, Date: 02-Sep-2009, Time: 17:18:03, ID: LHKP6-2-AC, Description: G9H050321-4RX

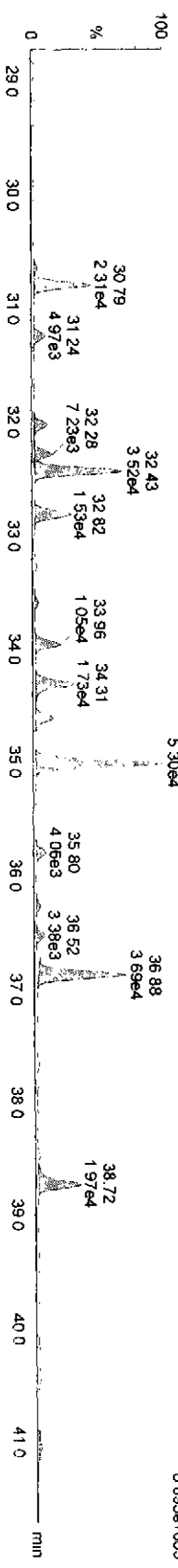
MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCB

**PePCBs**  
01SE09A10D5\_21 Smooth(SG,1x2)  
G9H050321-4RX LHKP6-2-AC



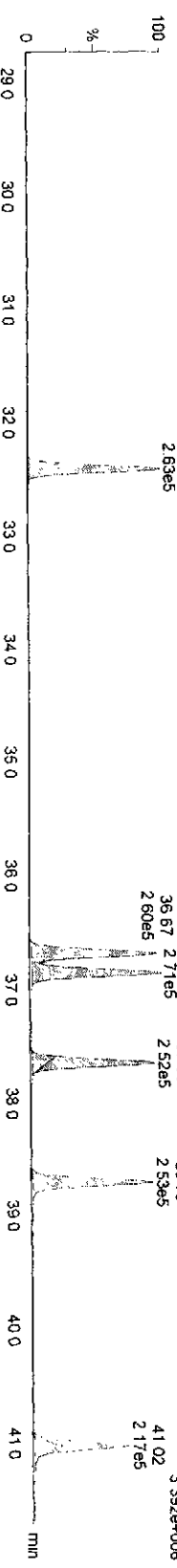
F3 Voltage SIR.EI+  
323.883  
4.500e+005

**13C-PePCBs**  
01SE09A10D5\_21 Smooth(SG,1x2)  
G9H050321-4RX LHKP6-2-AC



F3 Voltage SIR.EI+  
335.924  
6.893e+005

**13C-PaPCBs**  
01SE09A10D5\_21 Smooth(SG,1x2)  
G9H050321-4RX LHKP6-2-AC



F3 Voltage SIR.EI+  
337.921  
3.392e+006

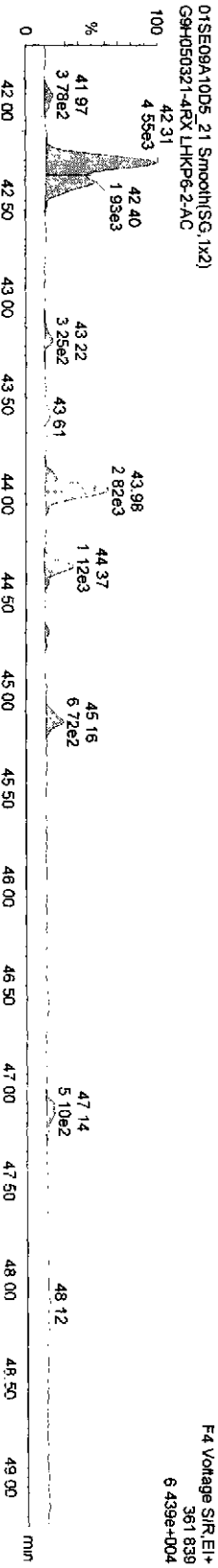
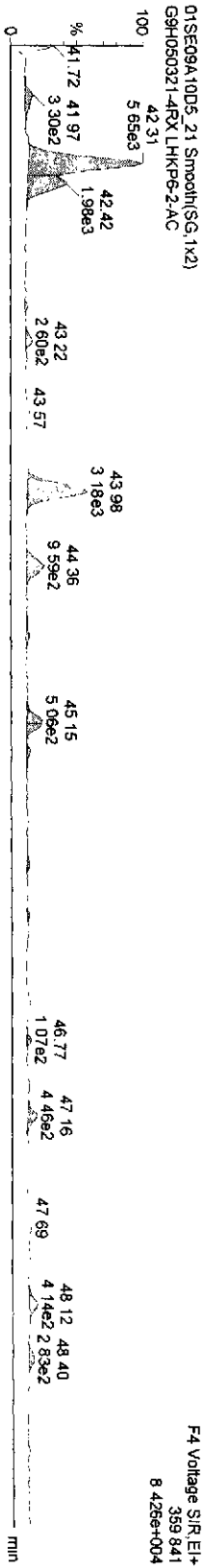
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Dataset: C:\Masslynx\Default\pro1\01SE09A10D5\1668MSLA.qld

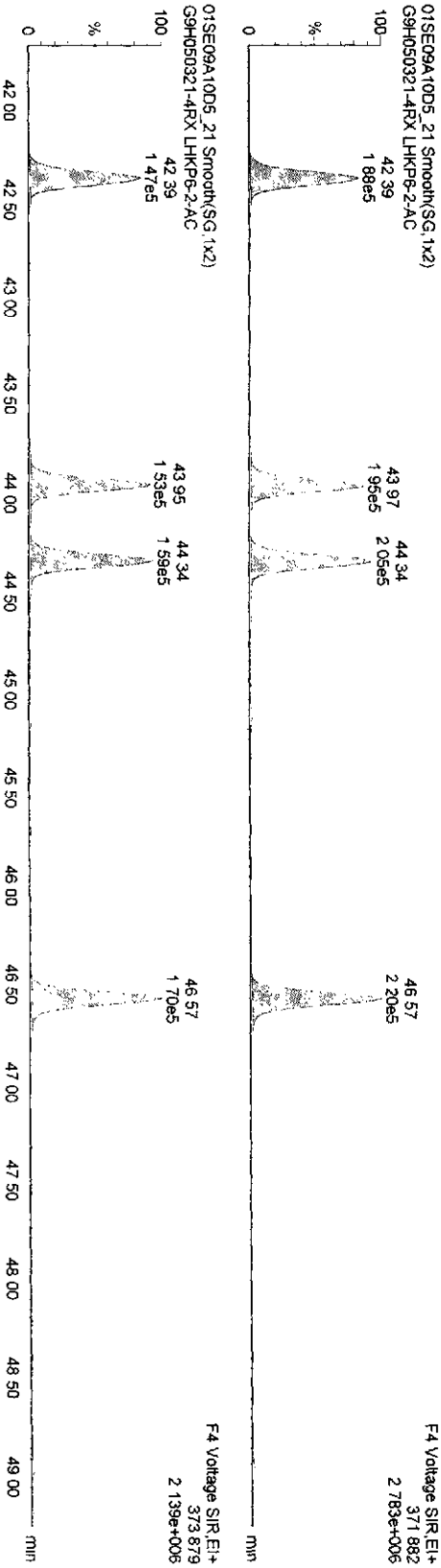
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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_21, Date: 02-Sep-2009, Time: 17:18:03, ID: LHKP6-2-AC, Description: G9H050321-4RX

HXPCBs-



13C-HXPCBs

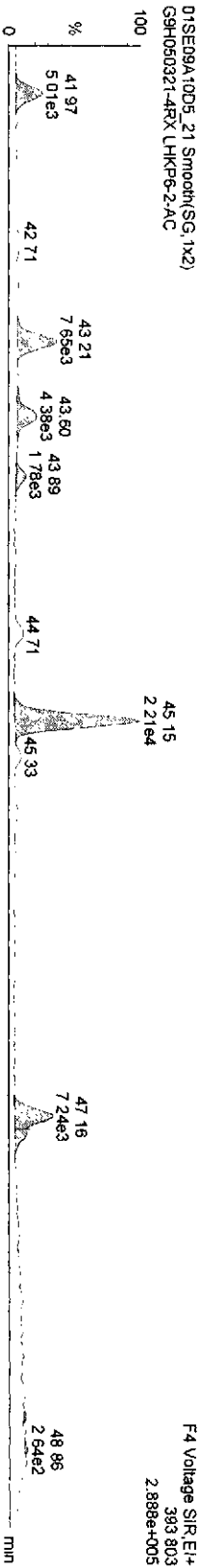


Dataset C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

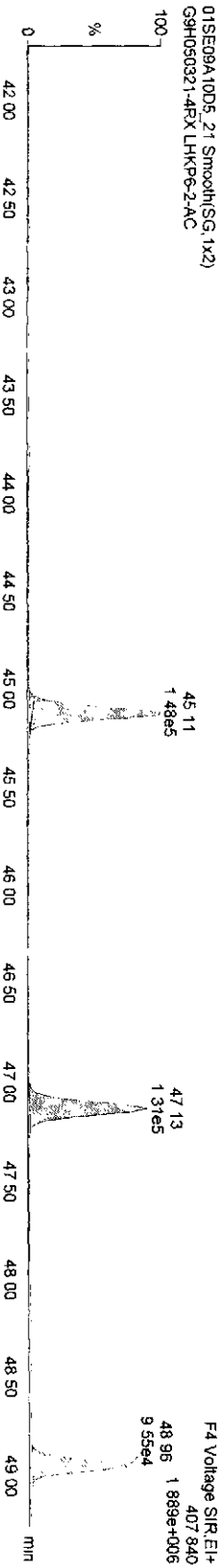
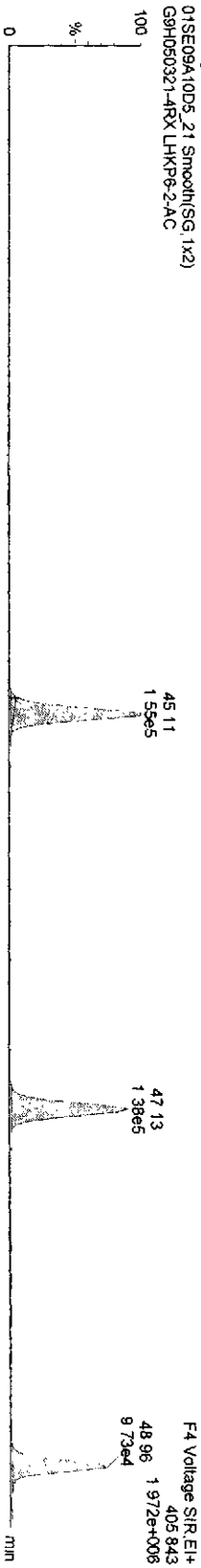
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_21, Date: 02-Sep-2009, Time: 17:18:03, ID: LHKP6-2-AC, Description: G9H050321-4RX

HPPCBs



13C-HPPCBs



Dataset: C:\MassLynx\Default\pro1\01SE09A10D5\1668MSLA.qld

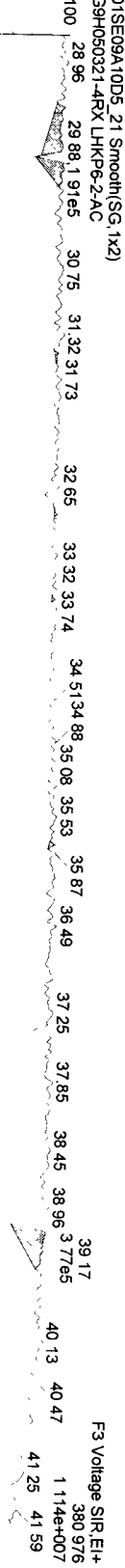
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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_21, Date: 02-Sep-2009, Time: 17:18:03, ID: LHKP6-2-AC, Description: G9H050321-4RX

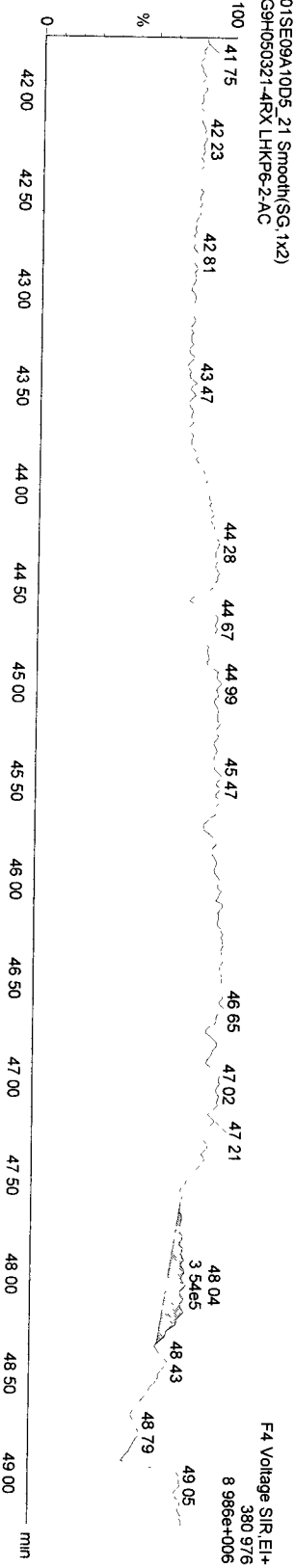
13C-OcCB-202



Function 3 PFK



Function 4 PFK



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

Name: 01SE09A10D5\_22, Date: 02-Sep-2009, Time: 18:14:53, ID: LHKP8-2-AC, Description: G9H050321-5RX

# Name	Trace	Sample Size	RT	Ptd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335 924	10 130	32.43	32.31	1.00000		447660.44	197.4334	197.4334	100.0	0.31924	0.63	NO	
2														
3 13C-TeCB-81	301.963	10 130	34.34	34.34	1.03984		439914.59	186.5834	186.5834	94.5	0.33706	0.82	NO	
4 TeCB-81	289.922	10 130		34.34	1.45839						0.10765		NO	
5 13C-TeCB-77	301.963	10 130	35.03	35.03	1.10430		447681.91	178.7945	178.7945	90.6	0.31739	0.81	NO	
6 TeCB-77	289.922	10 130	35.05	35.03	1.27061		13678.11	4.7475	ND 4.7475		0.12483	0.69	NO	
7														
8 13C-PeCB-123	335 924	10 130	36.69	36.69	0.99324		417319.58	185.3053	185.3053	93.9	0.32142	0.64	NO	
9 PeCB-123	323 883	10 130	36.74	36.69	1.50539		2050.84	0.6445	0.6445		0.12082	0.65	NO	
10 13C-PeCB-118	335 924	10 130	36.88	36.86	1.02407		446462.63	192.2766	192.2766	97.4	0.31174	0.64	NO	
11 PeCB-118/106	323 883	10 130	36.89	36.88	1.52536		51222.40	14.8499	14.8499		0.11332	0.62	NO	
12 13C-PeCB-114	335 924	10 130	37.66	37.63	1.03691		391863.16	166.6731	166.6731	84.4	0.30788	0.62	NO	
13 PeCB-114	323 883	10 130		37.66	1.58603						0.12273		NO	
14 13C PeCB-105	335 924	10 130	38.72	38.70	0.98151		416288.61	187.0562	187.0562	94.7	0.32526	0.62	NO	
15 PeCB-105/127	323 883	10 130	38.75	38.72	1.43326		23915.15	7.9136	7.9136		0.12524	0.65	NO	
16 13C-PeCB-126	335 924	10 130	41.04	41.00	1.02999		357947.13	153.2705	153.2705	77.6	0.30995	0.62	NO	
17 PeCB-126	323 883	10 130		41.04	1.15582						0.19983		NO	
18														
19 13C-OcCB-202	439 804	10 130	43.84	43.73	1.00000		472645.73	197.4334	197.4334	100.0	0.18137	0.90	NO	
20														
21 13C-HXCB-167	371 882	10 130	42.42	42.38	1.00247		337863.72	140.7851	140.7851	71.3	0.21735	1.30	NO	
22 HXCB-167	359 841	10 130	42.45	42.42	1.34796		3796.28	1.6457	1.6457		0.13135	0.79	YES	
23 13C-HXCB-156	371 882	10 130	43.98	43.98	0.78510		396962.30	211.2063	211.2063	107.0	0.27753	1.30	NO	
24 HXCB-156	359 841	10 130	44.00	43.98	1.68840		5844.58	1.7217	1.5736		0.08726	1.45	YES	
25 13C-HXCB-157	371 882	10 130	44.37	44.35	0.83526		387768.16	193.9245	193.9245	98.2	0.26086	1.31	NO	
26 HXCB-157	359 841	10 130	44.39	44.37	1.65965		1090.30	0.3345	0.2288		0.08899	0.61	YES	
27 13C-HXCB-169	371 882	10 130	46.60	46.58	0.87128		393260.11	188.5420	188.5420	95.5	0.25008	1.27	NO	
28 HXCB-169	359 841	10 130		46.60	1.09832						0.14314		NO	
29														
30 13C-HpCB-180	405 843	10 130	45.15	45.12	0.68403		311837.23	190.4317	190.4317	96.5	0.34420	1.06	NO	
31 HpCB-180	393 803	10 130	45.18	45.15	1.30035		48771.82	23.7174	23.7174		0.27515	1.02	NO	
32 13C-HpCB-170	405 843	10 130	47.16	47.14	0.54773		265676.13	202.6139	202.6139	102.6	0.42985	1.05	NO	
33 HpCB-170	393 803	10 130	47.17	47.16	1.61501		15182.12	6.9860	6.9860		0.26433	1.15	NO	
34 13C-HpCB-189	405 843	10 130	48.97	48.96	0.69767		151743.79	90.8544	90.8544	46.0	0.33747	1.06	NO	
35 HpCB-189	393 803	10 130		48.97	1.23073						0.53159		NO	

*308 9/14/09*

**Quantity Sample Summary Report**      **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

**Name: 01SE09A10D5\_22, Date: 02-Sep-2009, Time: 18:14:53, ID: LHKP8-2-AC, Description: G9H050321-5RX**

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
36													
37 13C-PeCB-111		335.924	10.130		34.06	1.30475				0.28487		NO	
38													
39 Function 3 PFK		380.976	1.000		0.00								
40 Function 4 PFK		380.976	1.000		0.00								

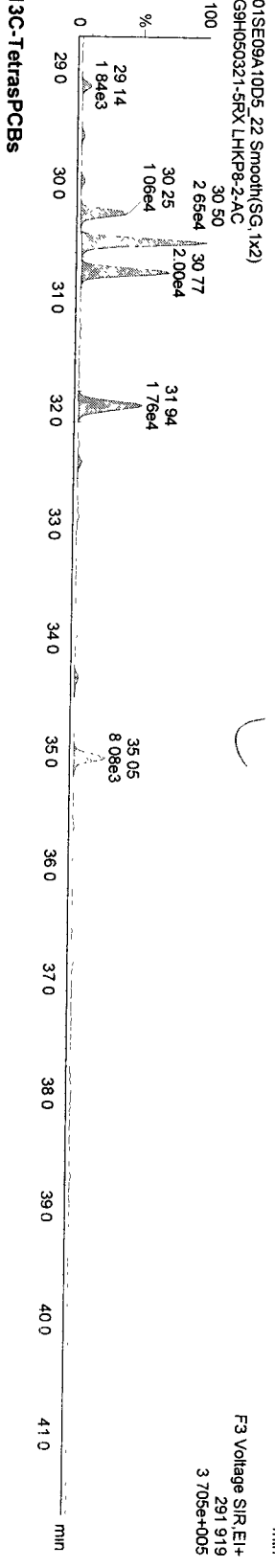
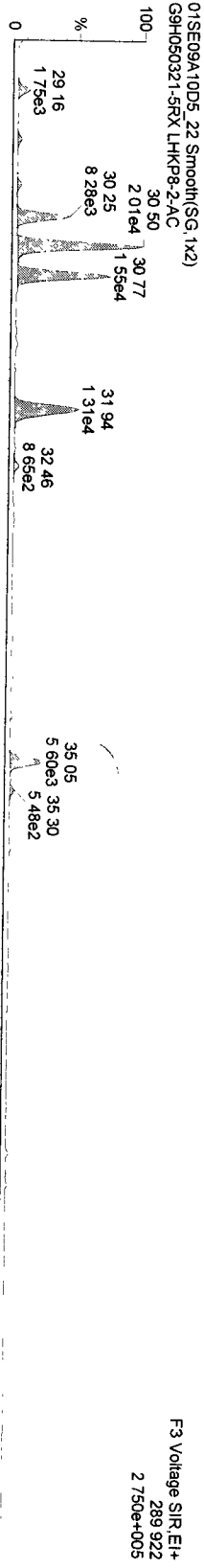
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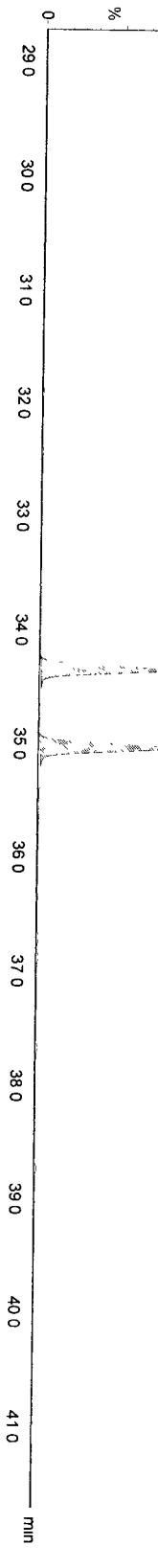
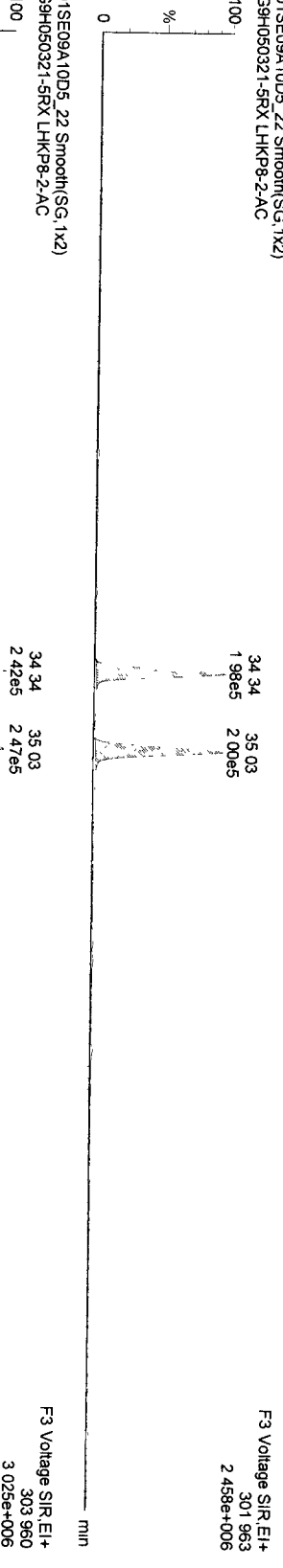
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_22, Date: 02-Sep-2009, Time: 18:14:53, ID: LHKP8-2-AC, Description: G9H050321-5RX

TetraPCBs



13C-TetrakisPCBs



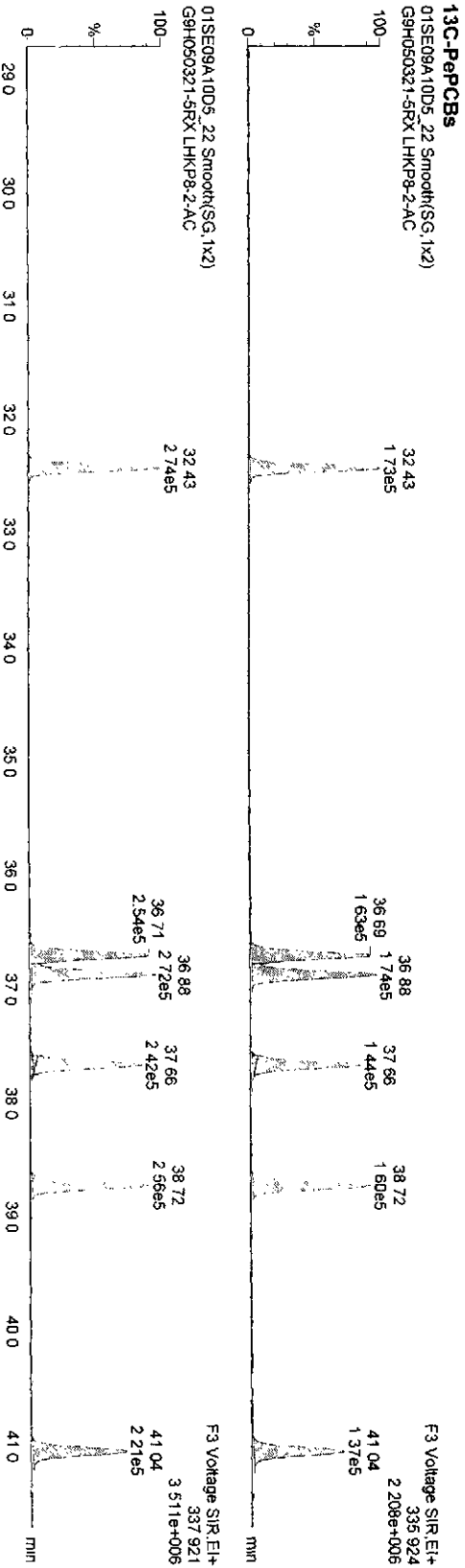
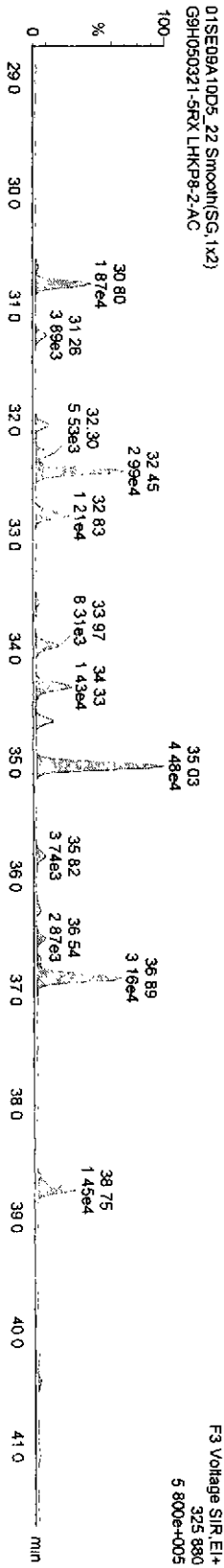
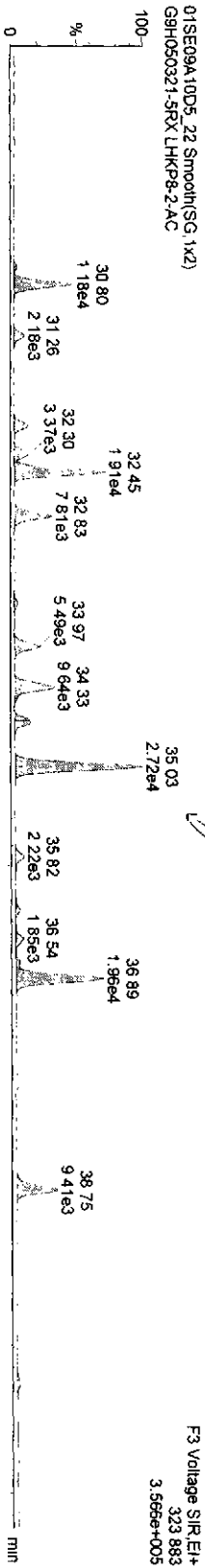
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Last Altered: Wednesday, September 02, 2009 10:04 29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07 41 PM Pacific Daylight Time

MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCB  
*36804/04/09*

Name: 01SE09A10D5\_22 Date: 02-Sep-2009, Time: 18:14:53, ID: LHKP8-2-AC, Description: G9H050321-5RX

**PePCBs**



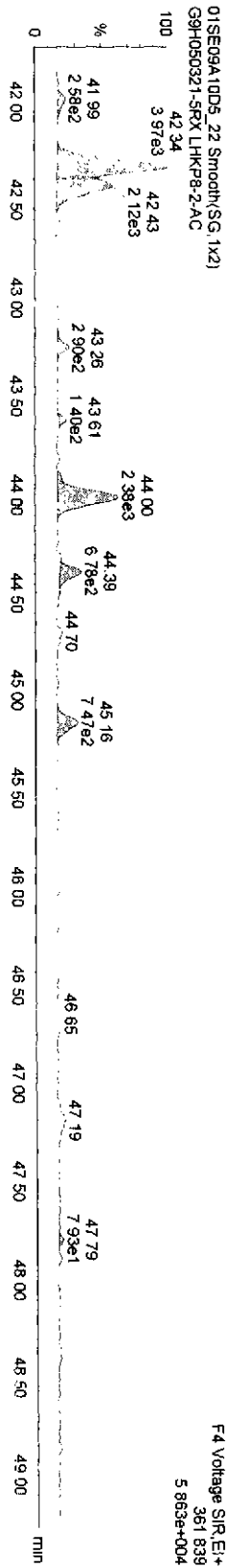
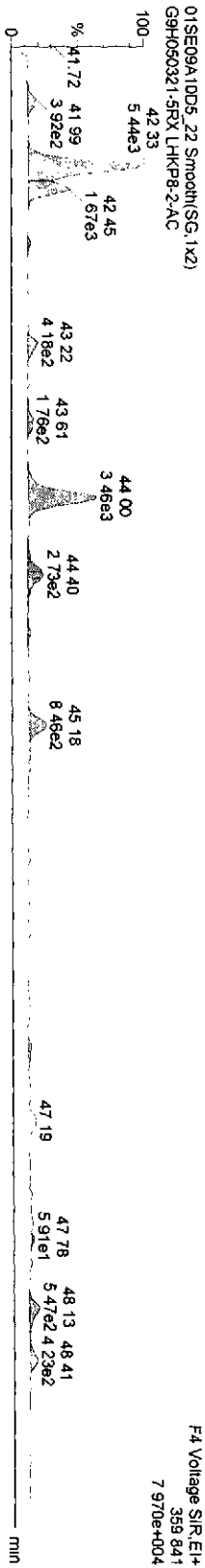


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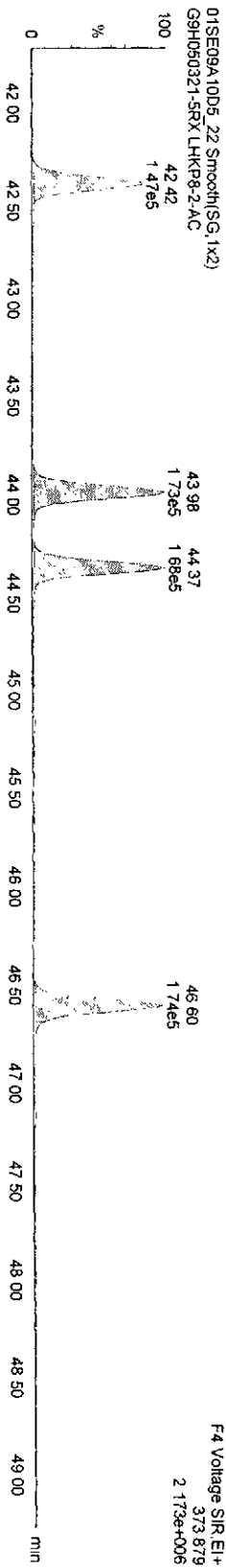
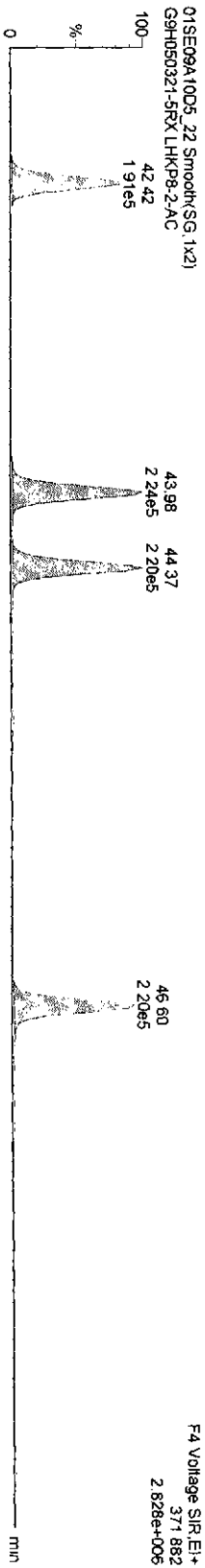
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_22, Date: 02-Sep-2009, Time: 18:14:53, ID: LHKP8-2-AC, Description: G9H050321-5-RX

**HP PCBs-**



**13C-HP PCBs**



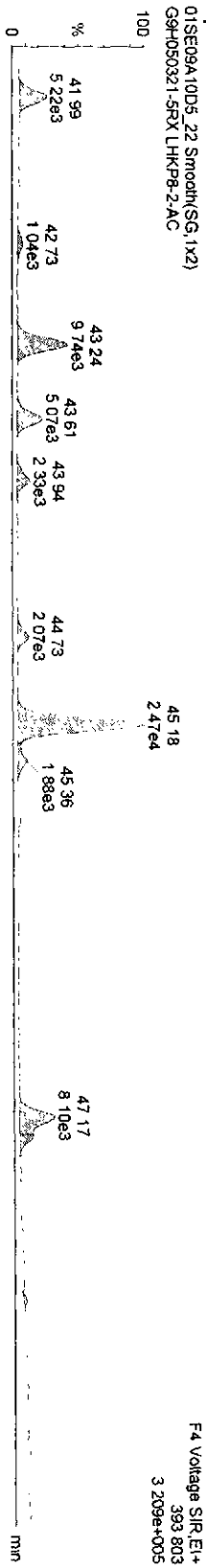
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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

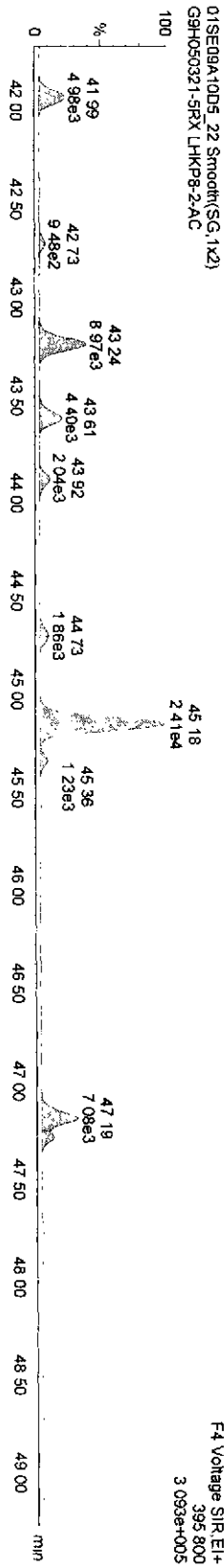
Name: 01SE09A10D5\_22, Date: 02-Sep-2009, Time: 18:14:53, ID: LHKP8-2-AC, Description: G9H050321-5RX

**HPPCBs**

01SE09A10D5\_22 Smooth(SG,1x2)  
G9H050321-5RX LHKP8-2-AC

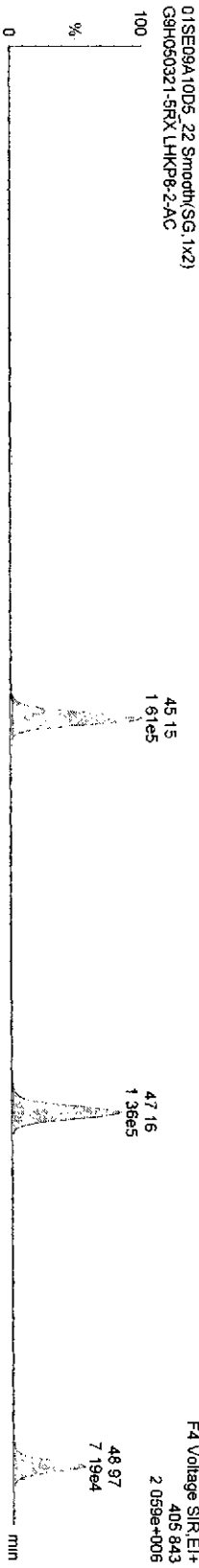


01SE09A10D5\_22 Smooth(SG,1x2)  
G9H050321-5RX LHKP8-2-AC

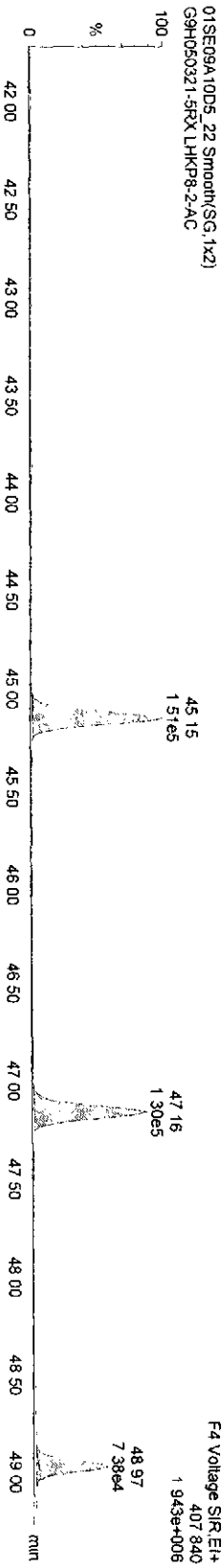


**13C-HPPCBs**

01SE09A10D5\_22 Smooth(SG,1x2)  
G9H050321-5RX LHKP8-2-AC



01SE09A10D5\_22 Smooth(SG,1x2)  
G9H050321-5RX LHKP8-2-AC



Dataset: C:\MassLynx\Default\prol01SE09A10D51668MSLA.qld

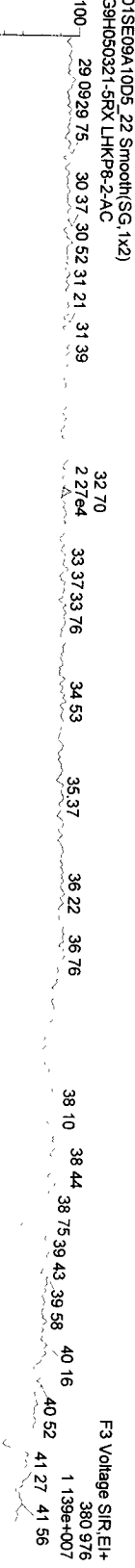
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_22, Date: 02-Sep-2009, Time: 18:14:53, ID: LHKP8-2-AC, Description: G9H050321-5RX

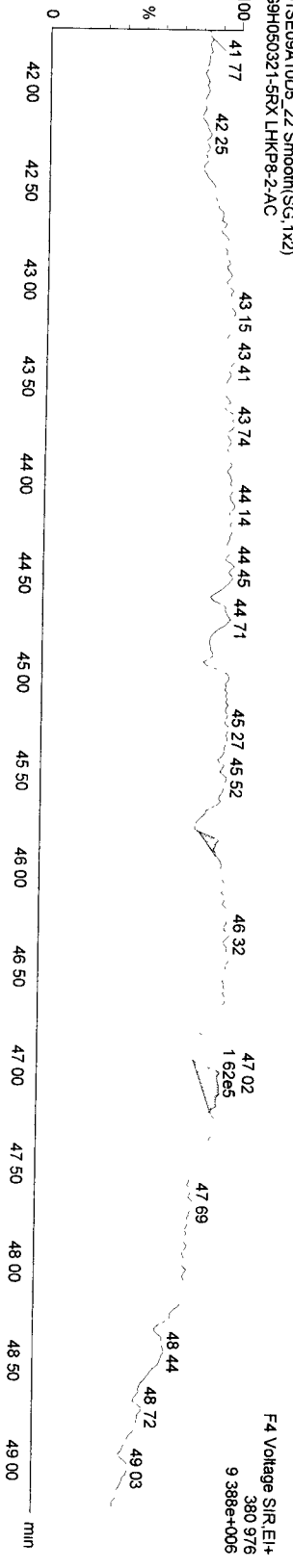
**13C-OCCB-202**



**Function 3 PFK**



**Function 4 PFK**



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

*388*  
*09/02/09*

Name: 01SE09A10D5\_23, Date: 02-Sep-2009, Time: 19:11:42, ID: LHKP9-2-AC, Description: G9H050321-6RX

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	10.080	32.41	32.31	1.00000	606740.67	198.4127	198.4127	100.0	0.23834	0.63	NO	
2													
3 13C-TeCB-81	301.963	10.080	34.34	34.32	1.03984	693706.31	218.1599	218.1599	110.0	0.24271	0.81	NO	
4 TeCB-81	289.922	10.080		34.34	1.45839					0.14634	0.80	NO	
5 13C-TeCB-77	301.963	10.080	35.03	35.01	1.10430	706737.94	209.2847	209.2847	105.5	0.22855	0.75	NO	
6 TeCB-77	289.922	10.080	35.05	35.03	1.27061	279323.11	61.7173	61.7173	105.5	0.17136	0.75	NO	
7													
8 13C-PeCB-123	335.924	10.080	36.71	36.67	0.99324	672950.53	221.5627	221.5627	111.7	0.23996	0.63	NO	
9 PeCB-123	323.883	10.080	36.74	36.71	1.50539	29114.00	5.7022	5.7022	111.7	0.12165	0.59	NO	
10 13C-PeCB-118	335.924	10.080	36.88	36.84	1.02407	720086.81	229.9433	229.9433	115.9	0.23274	0.64	NO	
11 PeCB-118/106	323.883	10.080	36.89	36.88	1.52536	863462.00	155.9755	155.9755	115.9	0.11302	0.62	NO	
12 13C-PeCB-114	335.924	10.080	37.66	37.61	1.03691	684429.53	215.8511	215.8511	108.8	0.22985	0.65	NO	
13 PeCB-114	323.883	10.080	37.68	37.66	1.56803	25769.78	4.7102	4.7102	108.8	0.11671	0.61	NO	
14 13C-PeCB-105	335.924	10.080	38.74	38.68	0.98151	667867.88	222.5168	222.5168	112.1	0.24283	0.65	NO	
15 PeCB-105/127	323.883	10.080	38.75	38.74	1.43326	542615.61	112.4722	112.4722	97.7	0.13144	0.62	NO	
16 13C-PeCB-126	335.924	10.080	41.05	40.98	1.02999	610265.63	193.7552	193.7552	97.7	0.23140	0.64	NO	
17 PeCB-126	323.883	10.080		41.05	1.15582					0.18681	0.64	NO	
18													
19 13C-OcCB-202	439.804	10.080	43.83	43.73	1.00000	491908.56	198.4127	198.4127	100.0	0.15947	0.89	NO	
20													
21 13C-HxCB-167	371.882	10.080	42.42	42.37	1.00247	544947.42	219.2653	219.2653	110.5	0.22272	1.28	NO	
22 HxCB-167	359.841	10.080	42.45	42.42	1.34796	40261.62	10.8750	10.8750	110.5	0.12030	1.19	NO	
23 13C-HxCB-156	371.882	10.080	43.98	43.97	0.78510	505020.02	259.4576	259.4576	130.8	0.28438	1.29	NO	
24 HxCB-156	359.841	10.080	44.00	43.98	1.68840	78662.36	18.3042	18.3042	130.8	0.10484	1.24	NO	
25 13C-HxCB-157	371.882	10.080	44.36	44.34	0.83526	575856.78	278.0836	278.0836	140.2	0.26730	1.29	NO	
26 HxCB-157	359.841	10.080	44.39	44.36	1.65965	20123.98	4.1778	4.1778	140.2	0.09172	1.24	NO	
27 13C-HxCB-169	371.882	10.080	46.60	46.57	0.87128	613291.41	283.9196	283.9196	143.1	0.25625	1.29	NO	
28 HxCB-169	359.841	10.080	46.63	46.60	1.09832	1963.90	0.5785	0.5785	143.1	0.13808	1.91	YES	
29													
30 13C-HpCB-180	405.843	10.080	45.15	45.11	0.68403	484350.42	285.6086	285.6086	143.9	0.35839	1.04	NO	
31 HpCB-180	393.803	10.080	45.16	45.15	1.30035	746038.44	235.0229	235.0229	143.9	0.26487	1.09	NO	
32 13C-HpCB-170	405.843	10.080	47.16	47.13	0.54773	411864.89	303.2995	303.2995	152.9	0.44758	1.06	NO	
33 HpCB-170	393.803	10.080	47.17	47.16	1.61501	287440.98	85.7410	85.7410	152.9	0.24840	1.04	NO	
34 13C-HpCB-189	405.843	10.080	48.97	48.95	0.69767	230784.43	133.4264	133.4264	67.2	0.35139	1.03	NO	
35 HpCB-189	393.803	10.080		48.97	1.23073				67.2	0.52194	1.03	NO	

**Quantity Sample Summary Report**      **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

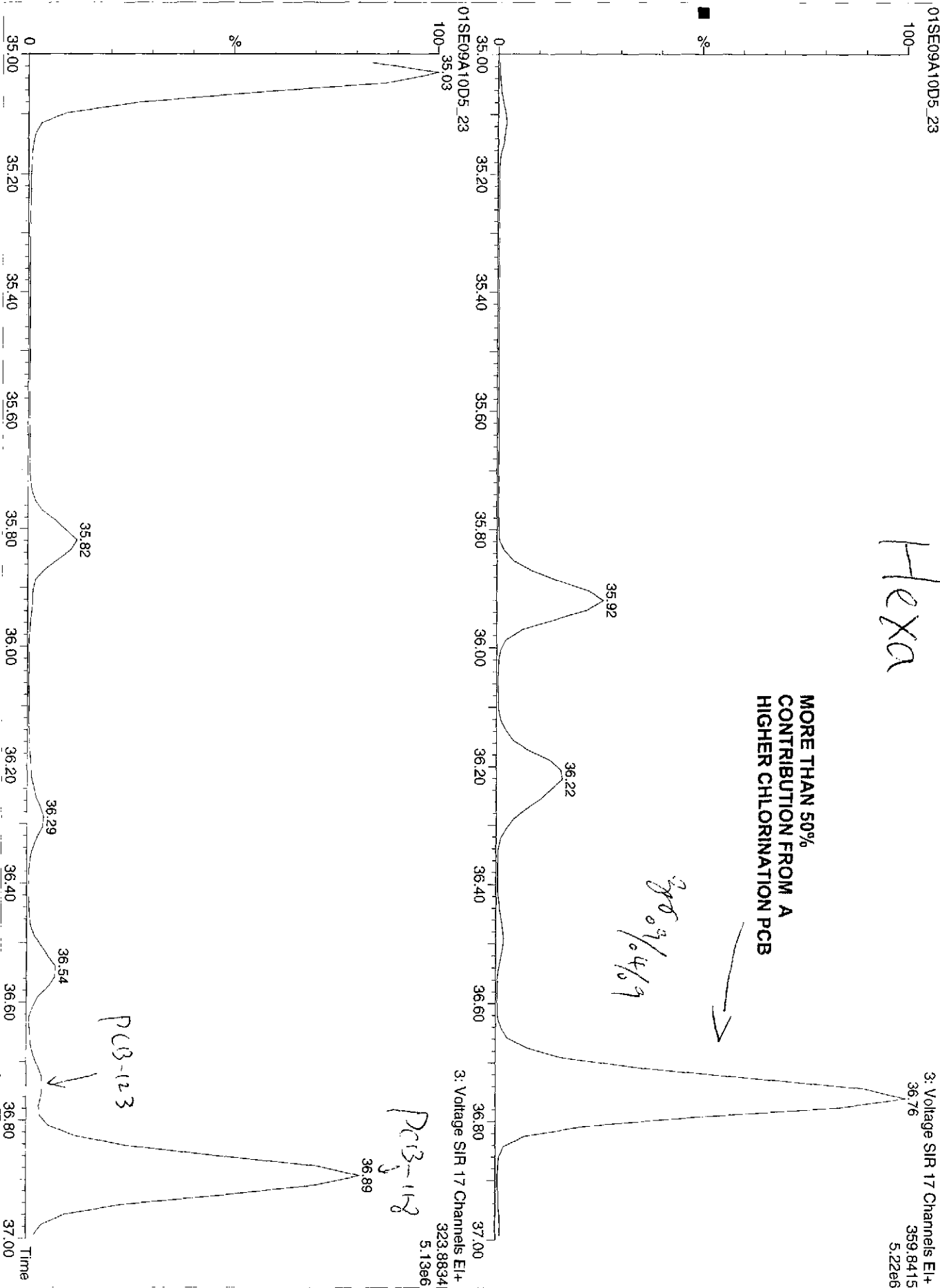
**Name: 01SE09A10D5\_23, Date: 02-Sep-2009, Time: 19:11:42, ID: LHKP9-2-AC, Description: G9H050321-6RX**

# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36													
37 13C-PeCB-111	335.924	10.080		34.06	1.30475					0.17672			
38													
39 Function 3 PFK	380.976	1.000		0.00								NO	
40 Function 4 PFK	380.976	1.000		0.00									

Hexa

MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCB

3609/04/9

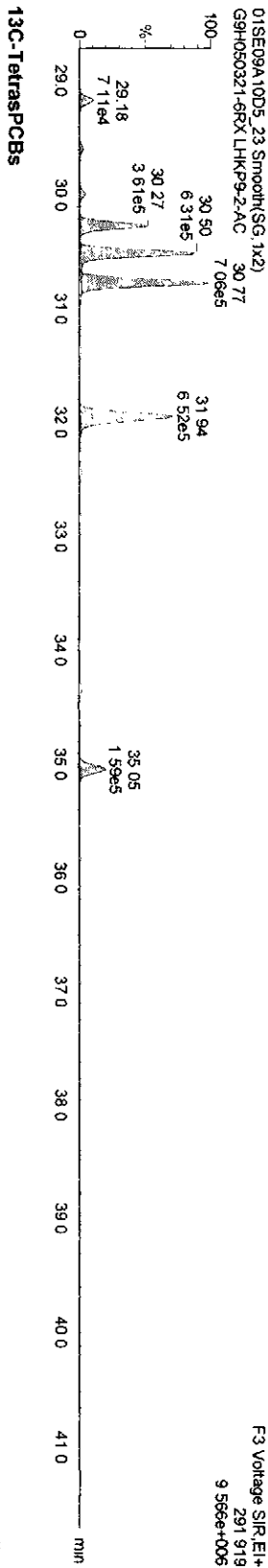
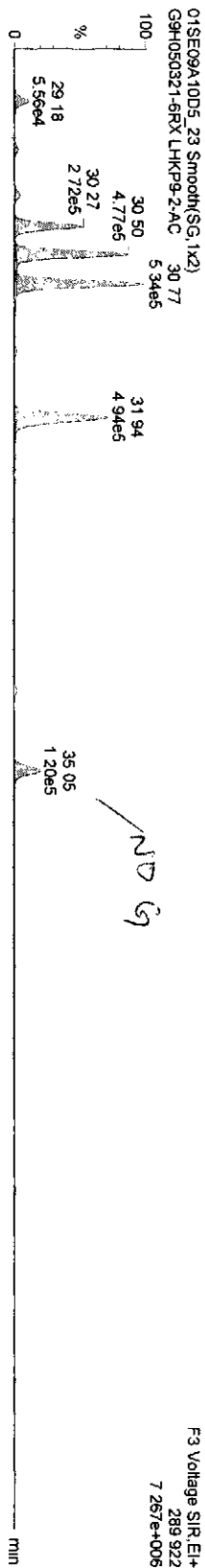


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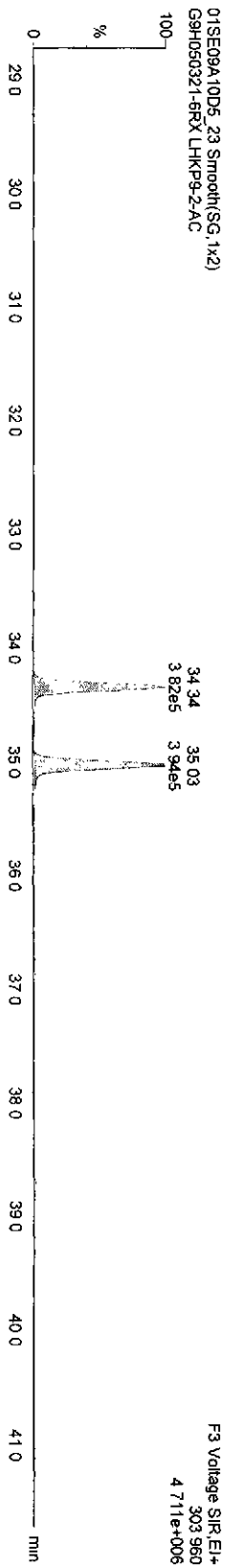
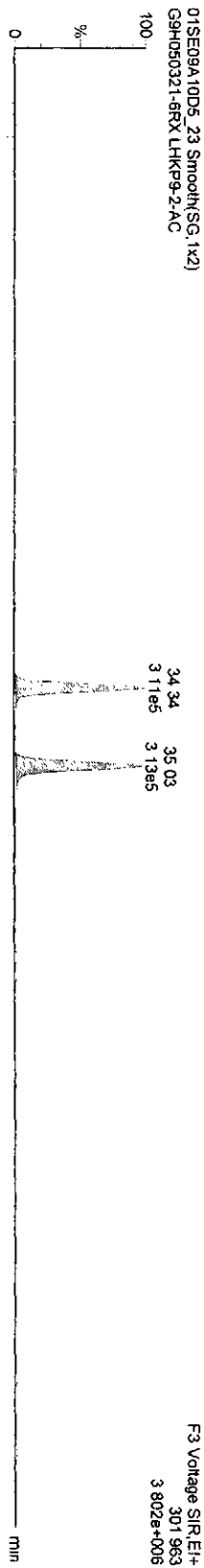
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_23 Date: 02-Sep-2009, Time: 19:11:42, ID: LHKP9-2-AC, Description: G9H050321-6RX

**TetraPCBs**



**13C-TetrakisPCBs**



Dataset C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qid

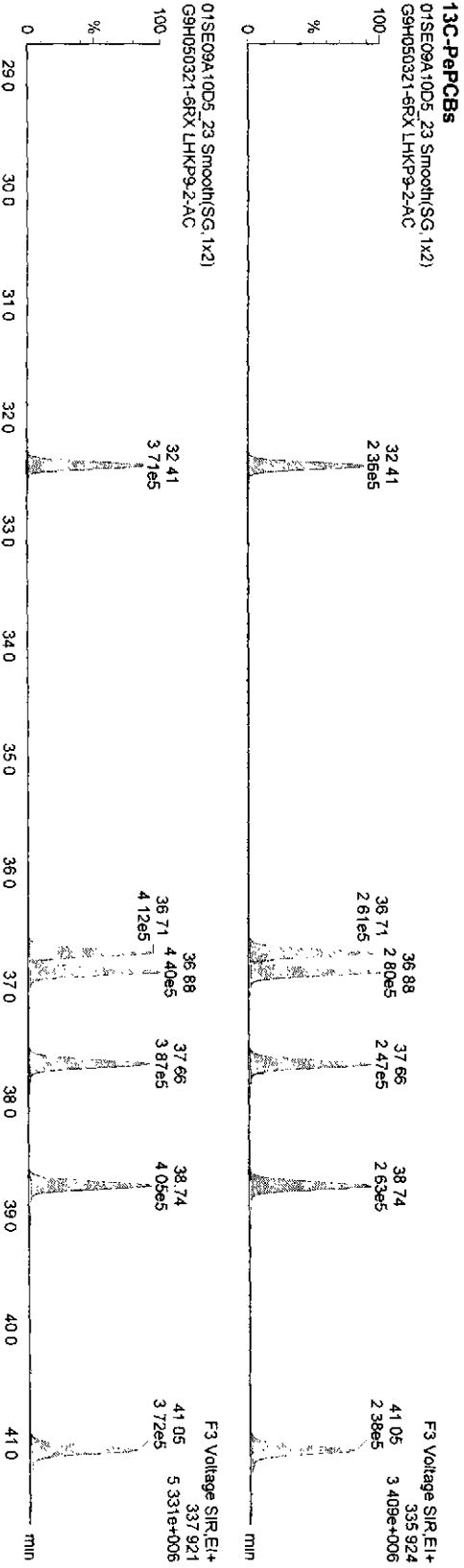
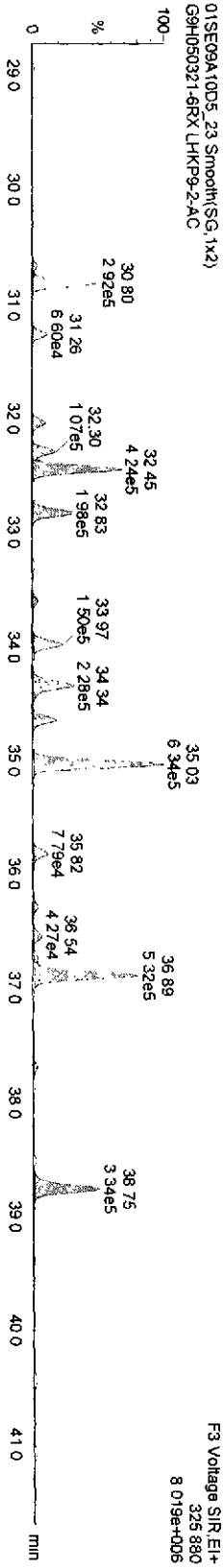
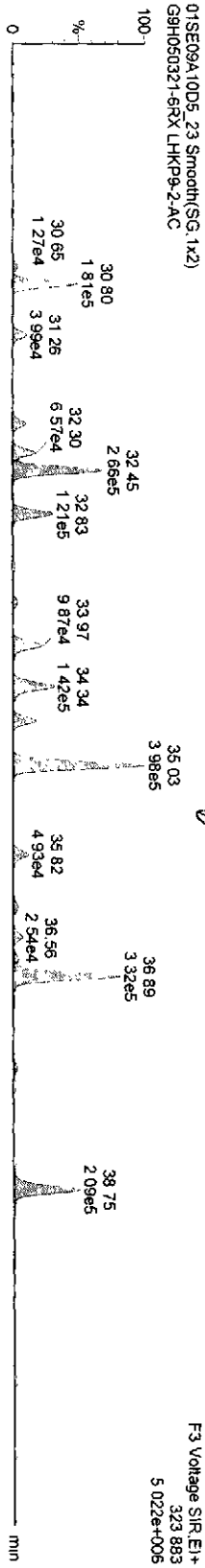
MORE THAN 50% CONTRIBUTION FROM A HIGHER CHLORINATION PCB

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_23 Date: 02-Sep-2009, Time: 19:11:42, ID: LHKP9-2-AC, Description: G9H050321-6RX

*9/23/09*

PapCBs





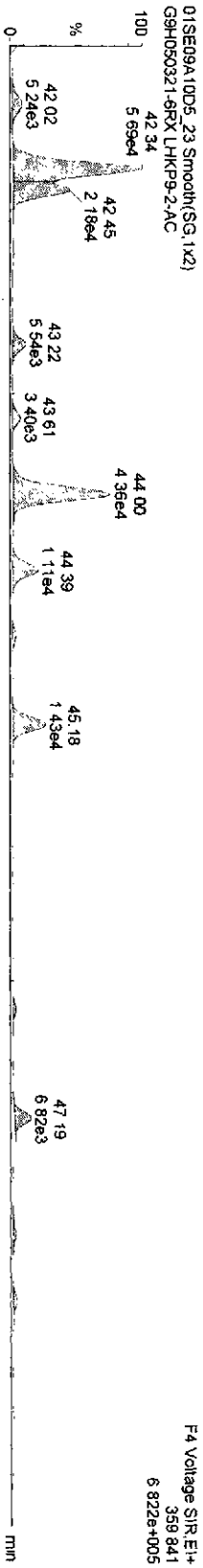
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prof\01SE09A10D51668\SLA.qid

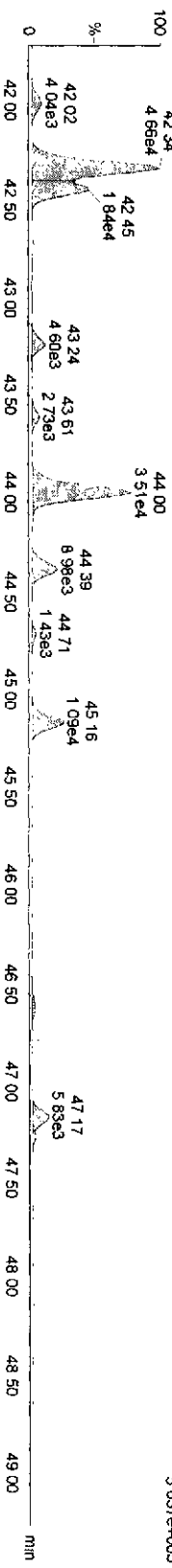
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_23, Date: 02-Sep-2009, Time: 19:11:42, ID: LHKP9-2-AC, Description: G9H050321-6RX

HPCBs-

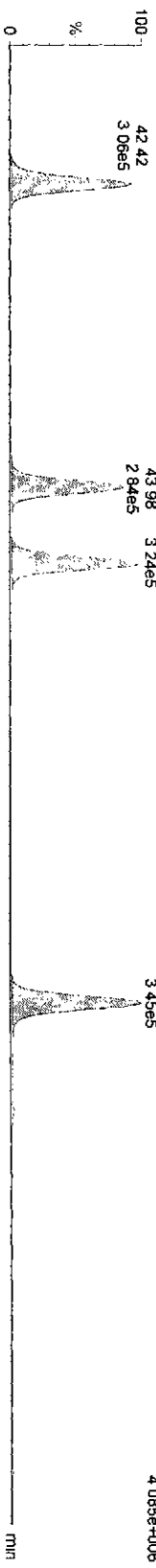


01SE09A10D5\_23 Smooth(SG, 1x2)  
G9H050321-6RX LHKP9-2-AC

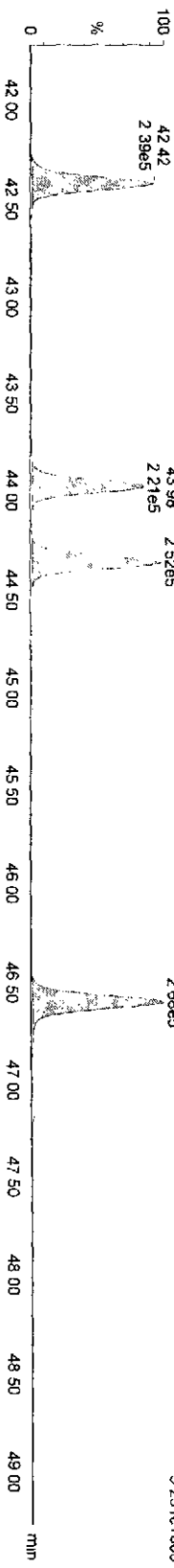


13C-HPCBs

01SE09A10D5\_23 Smooth(SG, 1x2)  
G9H050321-6RX LHKP9-2-AC



01SE09A10D5\_23 Smooth(SG, 1x2)  
G9H050321-6RX LHKP9-2-AC

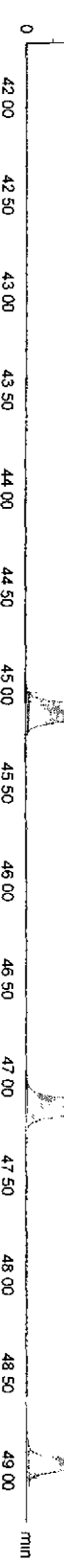
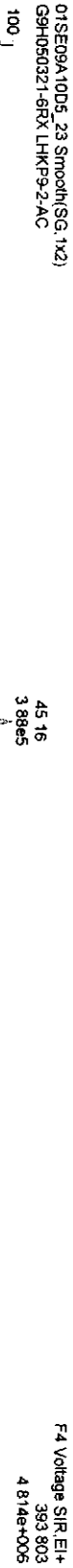


Dataset: C:\MassLynx\Default\proj\01SE09A10D5\1668MSLA.qld

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Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_23 Date: 02-Sep-2009, Time: 19:11:42, ID: LHKP9-2-AC, Description: G9H050321-6RX

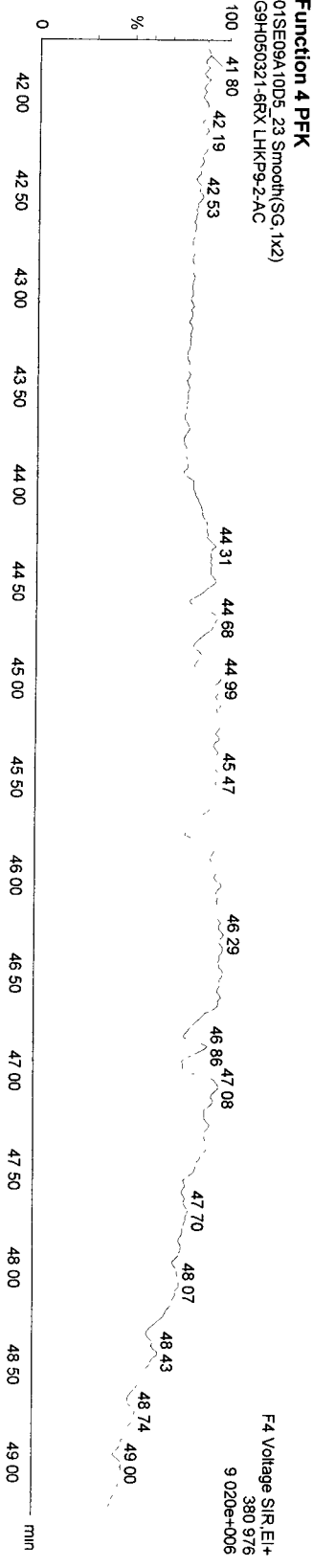
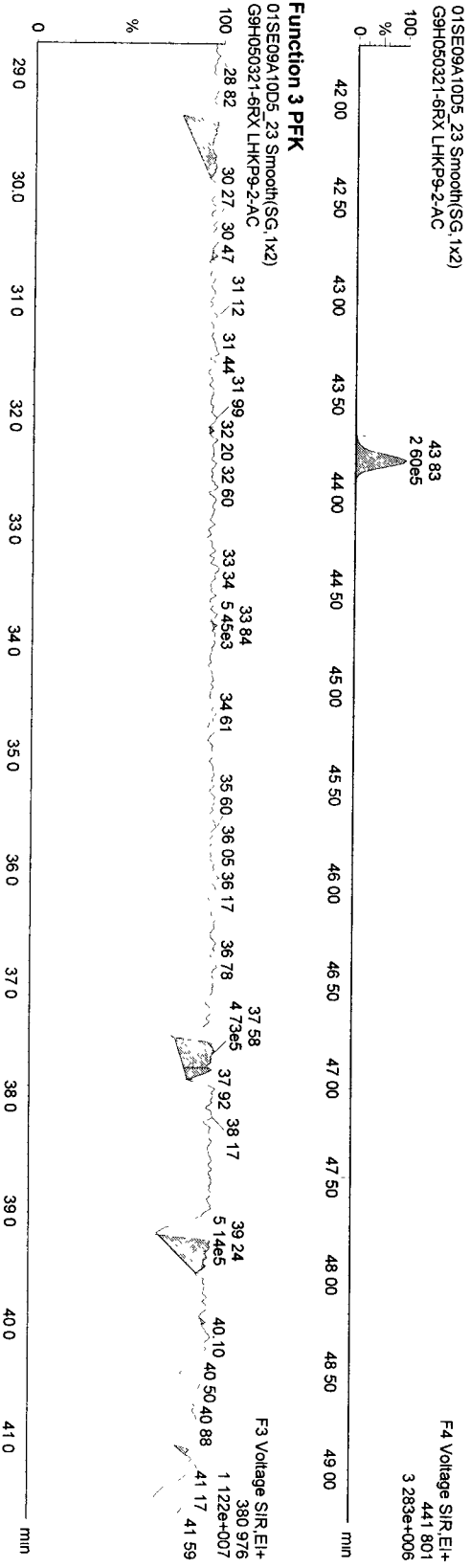
HpPCBs



Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_23, Date: 02-Sep-2009, Time: 19:11:42, ID: LHKP9-2-AC, Description: G9H050321-6RX



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro03SE09A10D51668MSL.qld

Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
 Printed: Friday, September 04, 2009 09:03:12 Pacific Daylight Time

Name: 03SE09A10D5\_4, Date: 03-Sep-2009, Time: 22:36:47, ID: LHKQD-2-AC, Description: G9H050321-7RX (RI)

*Handwritten:* 290  
 03/04/09

#	Name	Trace	Sample Size	RT	Ptd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ptd Ra...	Ratio ...
1	13C-PeCB-101	335.924	10.070	32.36	32.31	1.00000		429891.66	198.6097	198.6097	100.0	0.27997	0.61	0.61	NO
2															
3	13C-TeCB-81	301.963	10.070	34.28	34.27	1.03984		485715.55	215.8024	215.8024	108.7	0.34296	0.82	0.77	NO
4	TeCB-81	289.922	10.070		34.28	1.45839						0.27990		0.77	NO
5	13C-TeCB-77	301.963	10.070	34.96	34.96	1.10430		491512.66	205.6312	205.6312	103.5	0.32294	0.78	0.77	NO
6	TeCB-77	289.922	10.070	34.98	34.96	1.27061		489899.64	155.7981	155.7981	103.5	0.30812	0.75	0.77	NO
7															
8	13C-PeCB-123	335.924	10.070	36.64	36.62	0.99324		448275.81	208.5134	208.5134	105.0	0.28188	0.62	0.61	NO
9	PeCB-123	323.883	10.070	36.69	36.64	1.50539		94484.86	27.8080	27.8080	108.3	0.16927	0.61	0.61	NO
10	13C-PeCB-118	335.924	10.070	36.81	36.79	1.02407		476818.77	215.1118	215.1118	108.3	0.27339	0.64	0.61	NO
11	PeCB-118/106	323.883	10.070	36.83	36.81	1.52536		1726905.13	471.5678	471.5678	101.4	0.15025	0.63	0.61	NO
12	13C-PeCB-114	335.924	10.070	37.60	37.56	1.03691		452060.45	201.4175	201.4175	101.4	0.27001	0.64	0.61	NO
13	PeCB-114	323.883	10.070	38.44	37.60	1.58603		68246.81	18.9049	18.9049	105.6	0.15907	0.60	0.61	NO
14	13C-PeCB-105	335.924	10.070	38.67	38.63	0.98151		445699.31	209.7922	209.7922	105.6	0.28525	0.64	0.61	NO
15	PeCB-105/127	323.883	10.070	38.69	38.67	1.43326		894263.63	278.0341	278.0341	104.7	0.17766	0.62	0.61	NO
16	13C-PeCB-126	335.924	10.070	40.97	40.93	1.02999		463792.11	208.0333	208.0333	104.7	0.27182	0.63	0.61	NO
17	PeCB-126	323.883	10.070		40.97	1.15582						0.21977		0.61	NO
18															
19	13C-OcCB-202	439.804	10.070	43.78	43.73	1.00000		491903.36	198.6097	198.6097	100.0	0.09183	0.89	0.89	NO
20															
21	13C-HXCB-167	371.882	10.070	42.34	42.32	1.00247		478373.77	192.6719	192.6719	97.0	0.21281	1.29	1.24	NO
22	HXCB-167	359.841	10.070	42.37	42.34	1.34796		185179.05	57.0358	57.0358	120.8	0.25615	1.25	1.24	NO
23	13C-HXCB-156	371.882	10.070	43.92	43.92	0.78510		466674.00	239.9977	239.9977	120.8	0.27173	1.28	1.24	NO
24	HXCB-156	359.841	10.070	43.94	43.92	1.68840		354960.48	89.4728	89.4728	113.3	0.21398	1.27	1.24	NO
25	13C-HXCB-157	371.882	10.070	44.31	44.29	0.83526		465607.13	225.0692	225.0692	113.3	0.25541	1.27	1.24	NO
26	HXCB-157	359.841	10.070	44.32	44.31	1.65965		55564.64	14.2811	14.2811	106.2	0.21947	1.27	1.24	NO
27	13C-HXCB-169	371.882	10.070	46.54	46.52	0.87128		455065.55	210.8813	210.8813	106.2	0.24485	1.29	1.24	NO
28	HXCB-169	359.841	10.070	46.57	46.54	1.09832		7207.58	2.8641	2.8641	109.2	0.33547	1.16	1.24	NO
29															
30	13C-HpCB-180	405.843	10.070	45.08	45.06	0.68403		367524.44	216.9369	216.9369	109.2	0.18038	1.05	1.05	NO
31	HpCB-180	393.803	10.070	45.11	45.08	1.30035		3967940.38	1648.9926	1648.9926	113.4	0.34046	1.05	1.05	NO
32	13C-HpCB-170	405.843	10.070	47.11	47.08	0.54773		305668.11	225.3216	225.3216	113.4	0.22527	1.05	1.05	NO
33	HpCB-170	393.803	10.070	47.13	47.11	1.61501		1392232.25	560.1280	560.1280	91.3	0.33780	1.09	1.05	NO
34	13C-HpCB-189	405.843	10.070	48.91	48.90	0.69757		313467.55	181.4110	181.4110	91.3	0.17686	1.04	1.05	NO
35	HpCB-189	393.803	10.070		48.91	1.23073						0.37108		1.05	NO

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\03SE09A10D51668MSL.qld

Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
 Printed: Friday, September 04, 2009 09:03:12 Pacific Daylight Time

Name: 03SE09A10D5\_4, Date: 03-Sep-2009, Time: 22:36:47, ID: LHKAD-2-AC, Description: G9H050321-7RX

#	Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prd.Ra...	Ratio ...
36														
37	13C-PeCB-111		335.924	10.070		34.06	1.30475							
38											0.21621		0.61	NO
39	Function 3 PFK		380.976	1.000		0.00								
40	Function 4 PFK		380.976	1.000		0.00								

G9H050321-7RX

03SE09A10D5\_4

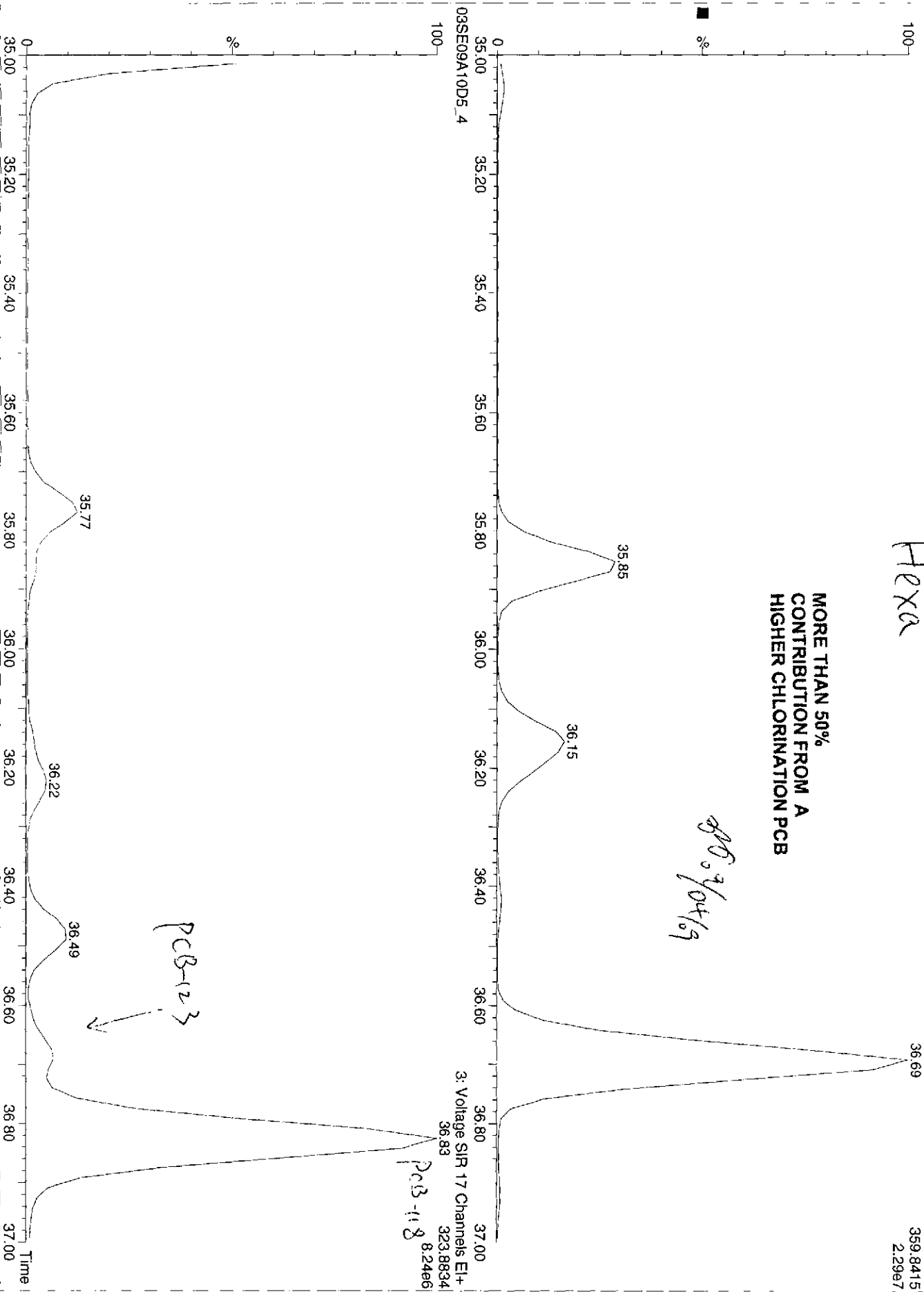
Hexa

MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCB

APD 2/04/09

3: Voltage SIR 17 Channels EI+  
359.8415  
2.29e7

3: Voltage SIR 17 Channels EI+  
36.83  
323.8834  
8.24e6

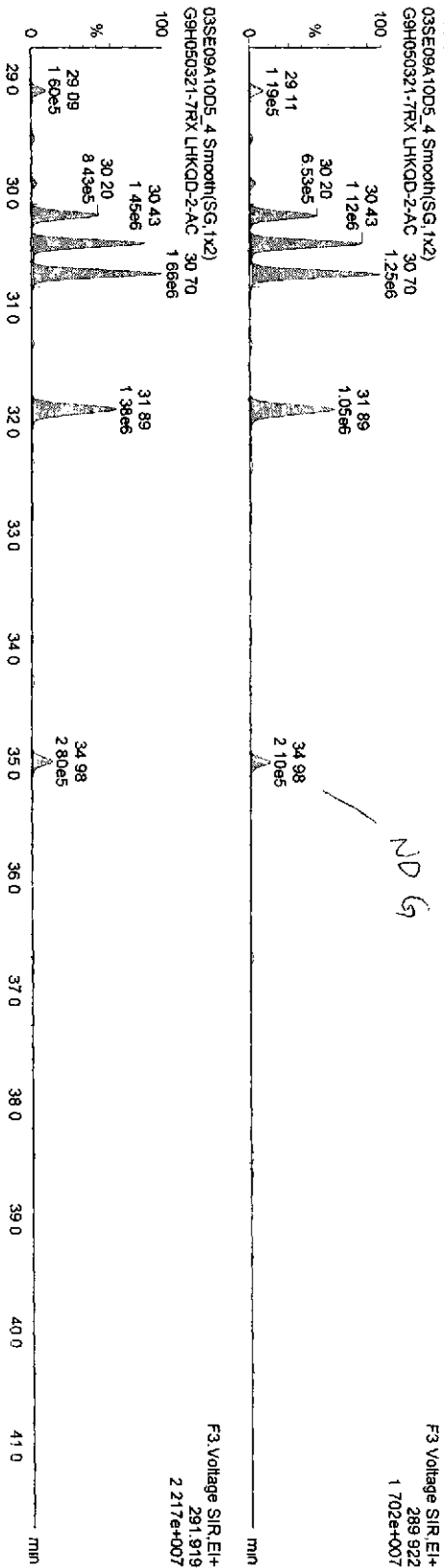


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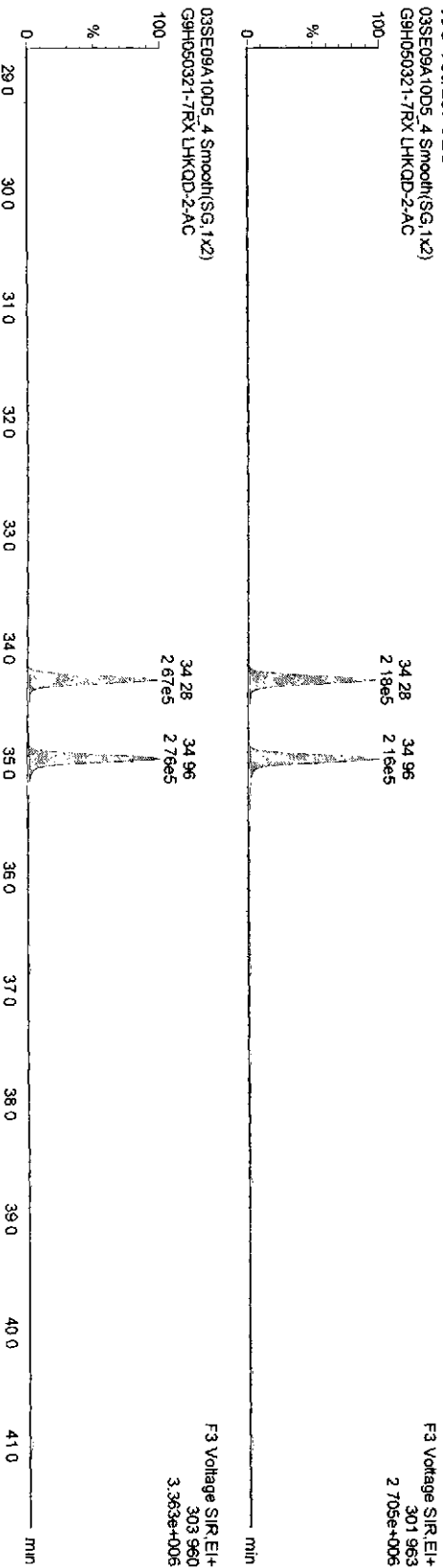
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**TetraPCBs**



NDG

**13C-TetrasPCBs**

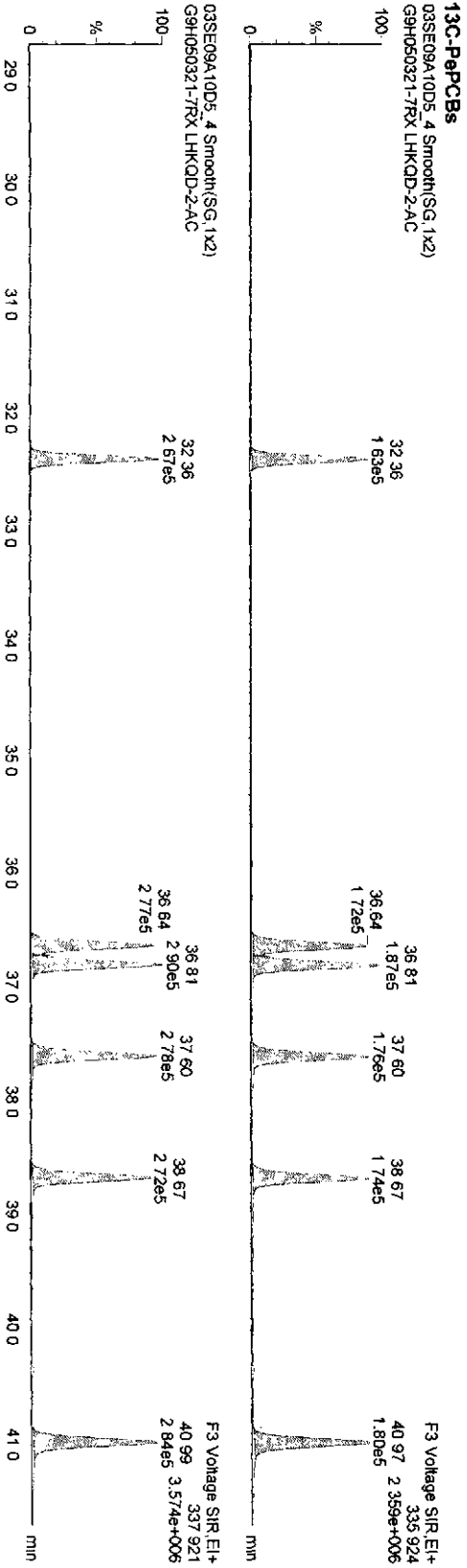
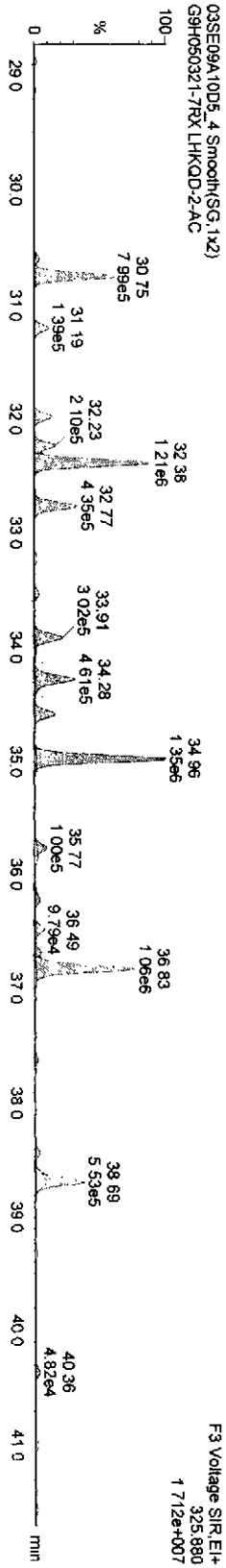
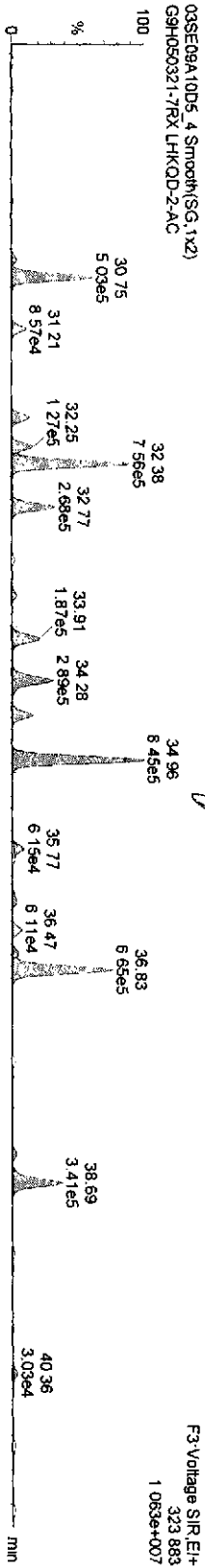


Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

*9/04/09*

Name: 03SE09A10D5\_4, Date: 03-Sep-2009, Time: 22:36:47, ID: LHKQD-2-AC, Description: G9H050321-7RX

PapPCBs



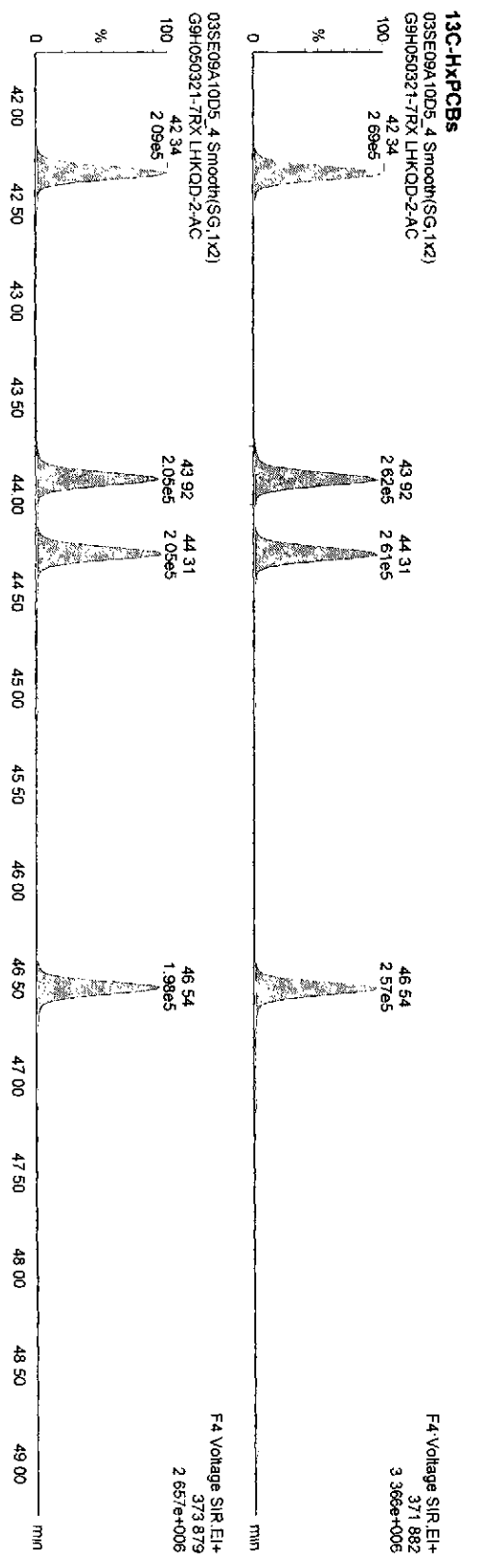
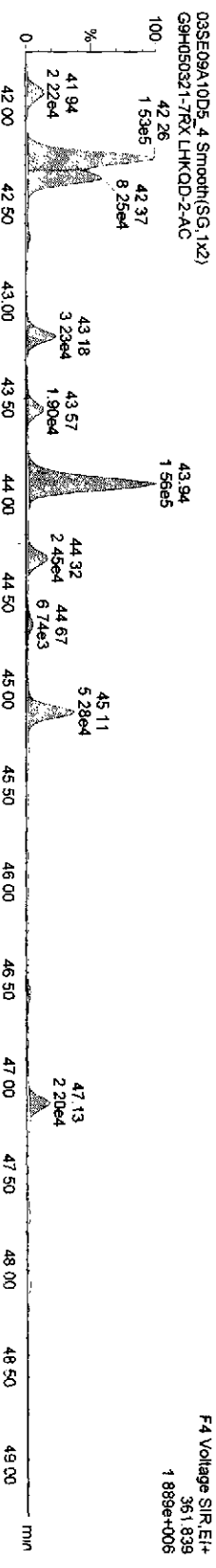
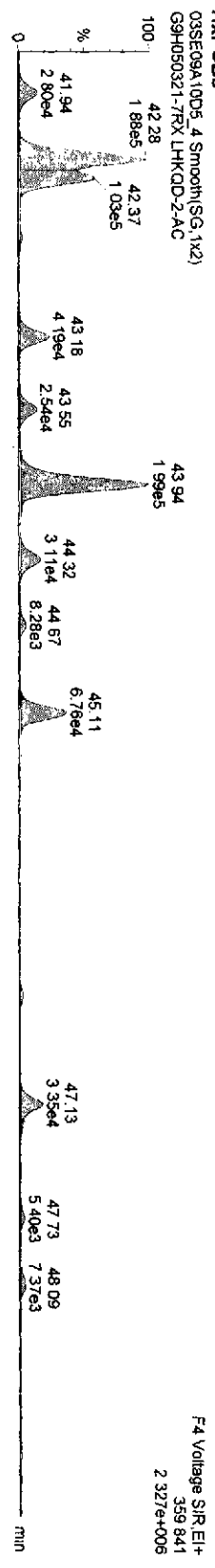


Dataset: C:\MassLynx\Default\prof\03SE09A10D5\1668MSL.qid

Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_4, Date: 03-Sep-2009, Time: 22:36:47, ID: LHKQD-2-AC, Description: G9H050321-7RX

**HPCBs-**

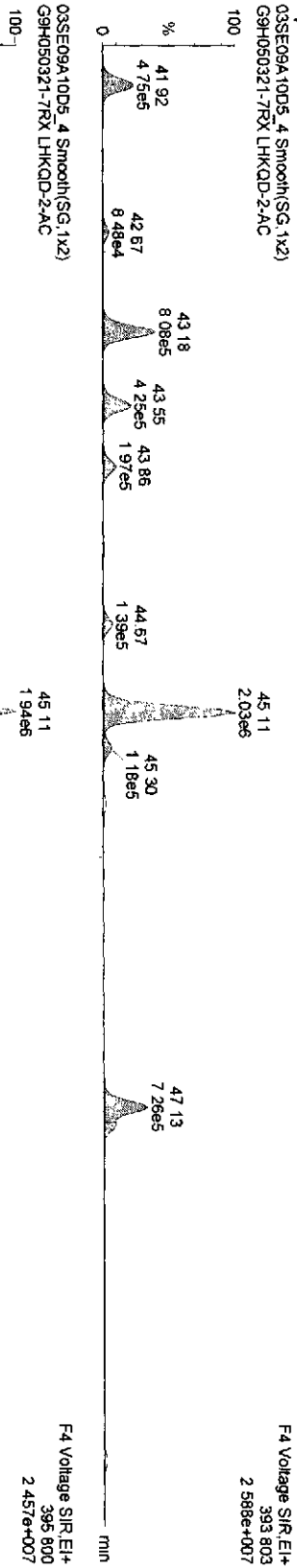


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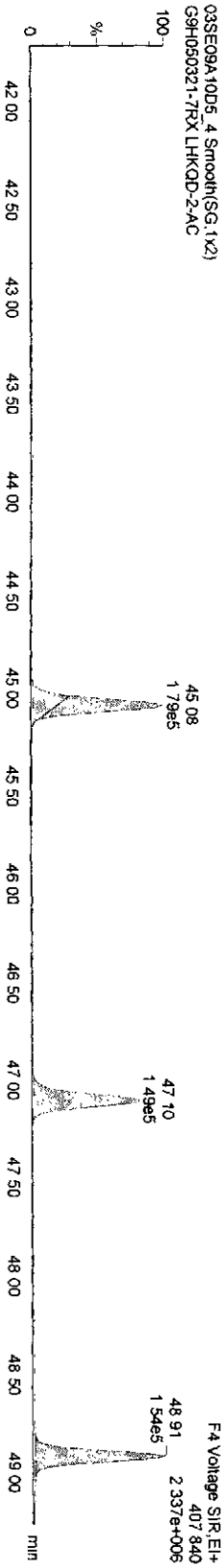
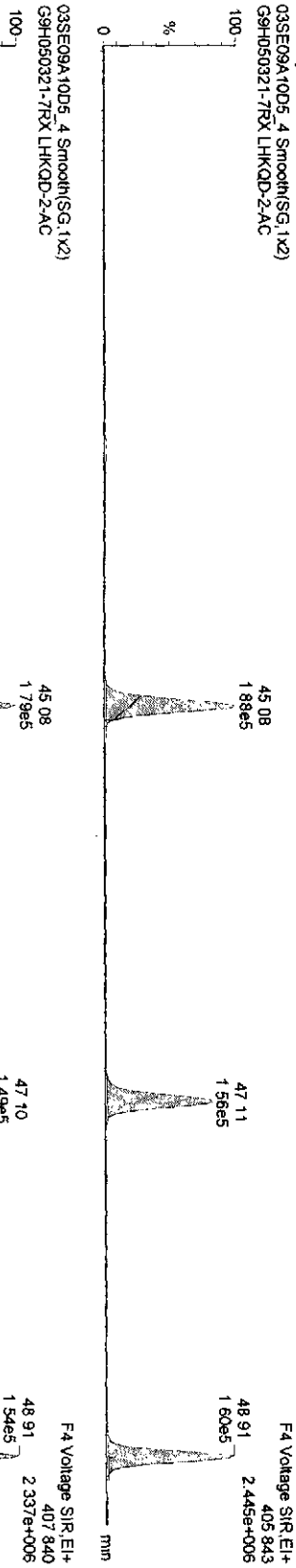
Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_4, Date: 03-Sep-2009, Time: 22:36:47, ID: LHKQD-2-AC, Description: G9H050321-7RX

**HPCCBs**



**13C-HPCCBs**



Dataset: C:\MassLynx\Default\pro\03SE09A10D5\1668MSL.qld

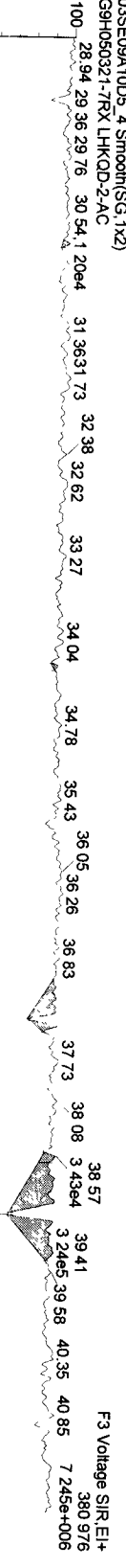
Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_4, Date: 03-Sep-2009, Time: 22:36:47, ID: LHKQD-2-AC, Description: G9H050321-7RX

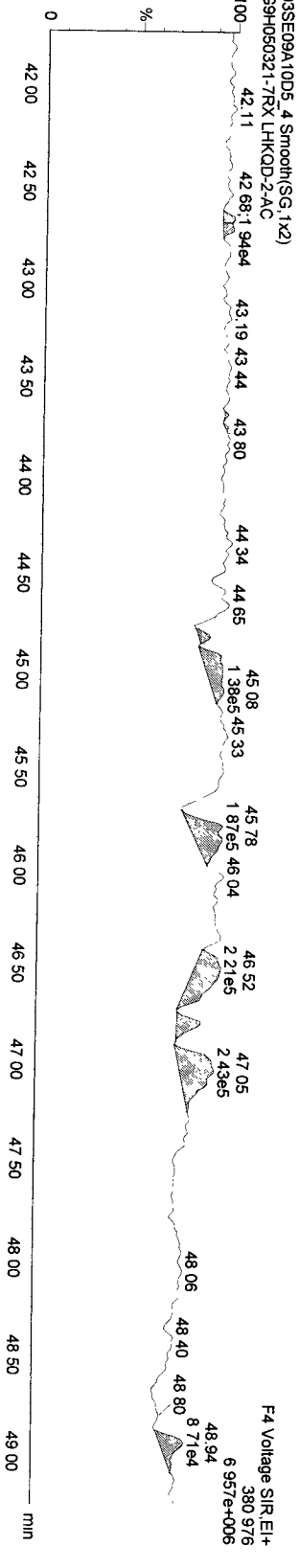
13C-OcCB-202



Function 3 PFK



Function 4 PFK



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

*RL 1.93*

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

*9/2/09*

Name: 01SE09A10D5\_25, Date: 02-Sep-2009, Time: 21:05:20, ID: LHKQG-2-AC, Description: G9H050321-8RX

# Name	Trace	Sample Size	RT	Prod RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
1 13C-PeCB-101	335 924	10.370	32.42	32.31	1.00000		534780.52	192.8640	192.8640	100.0	0.26356	0.63	NO	
2														
3 13C-TeCB-81	301 963	10.370	34.33	34.33	1.03984		614931.50	213.2727	213.2727	110.6	0.29296	0.79	NO	
4 TeCB-81	289 922	10.370		34.33	1.45839						0.15475		NO	
5 13C-TeCB-77	301 963	10.370	35.02	35.02	1.10430		622359.53	203.2497	203.2497	105.4	0.27586	0.81	NO	
6 TeCB-77	289 922	10.370	35.05	35.02	1.27061		161247.08	39.3270	N/D 39.3270		0.17742	0.75	NO	
7														
8 13C-PeCB-123	335 924	10.370	36.69	36.68	0.99324		604203.41	219.3845	219.3845	113.8	0.26535	0.63	NO	
9 PeCB-123	323 883	10.370	36.74	36.69	1.50539		23262.69	4.9326	N/D 4.9326		0.16182	0.57	NO	
10 13C-PeCB-118	335 924	10.370	36.86	36.85	1.02407		647371.56	227.9811	227.9811	118.2	0.25736	0.64	NO	
11 PeCB-118/106	323 883	10.370	36.89	36.86	1.52536		557205.52	108.8282	108.8282		0.15479	0.62	NO	
12 13C-PeCB-114	335 924	10.370	37.67	37.62	1.03691		619541.83	215.4793	215.4793	111.7	0.25418	0.62	NO	
13 PeCB-114	323 883	10.370	37.68	37.67	1.58603		16174.32	3.1746	3.1746		0.15625	0.60	NO	
14 13C PeCB-105	335 924	10.370	38.72	38.69	0.98151		606644.38	222.9029	222.9029	115.6	0.26852	0.64	NO	
15 PeCB-105/127	323 883	10.370	38.74	38.72	1.43326		324729.91	72.0300	72.0300		0.17200	0.61	NO	
16 13C-PeCB-126	335 924	10.370	41.04	40.99	1.02999		576858.50	201.9821	201.9821	104.7	0.25589	0.62	NO	
17 PeCB-126	323 883	10.370		41.04	1.15582						0.22726		NO	
18														
19 13C-OcCB-202	439 804	10.370	43.83	43.73	1.00000		602343.81	192.8640	192.8640	100.0	0.11993	0.89	NO	
20														
21 13C-HxCB-167	371 882	10.370	42.41	42.37	1.00247		561106.50	179.2183	179.2183	92.9	0.20791	1.29	NO	
22 HxCB-167	359 841	10.370	42.44	42.41	1.34796		32299.09	8.2360	8.2360		0.11406	1.18	NO	
23 13C-HxCB-156	371 882	10.370	43.97	43.97	0.78510		567308.88	231.3657	231.3657	120.0	0.26547	1.26	NO	
24 HxCB-156	359 841	10.370	44.00	43.97	1.68840		67258.46	13.5426	13.5426		0.09051	1.22	NO	
25 13C-HxCB-157	371 882	10.370	44.36	44.34	0.83526		571483.42	219.0717	219.0717	113.6	0.24953	1.28	NO	
26 HxCB-157	359 841	10.370	44.39	44.36	1.65965		14471.63	2.9427	2.9427		0.09187	1.37	NO	
27 13C-HxCB-169	371 882	10.370	46.59	46.57	0.87128		565992.97	207.9990	207.9990	107.8	0.23922	1.27	NO	
28 HxCB-169	359 841	10.370	46.63	46.59	1.09832		2214.67	0.6871	0.6871		0.14634	1.44	YES	
29														
30 13C-HpCB-180	405 843	10.370	45.15	45.11	0.68403		461243.02	215.9052	215.9052	111.9	0.26725	1.07	NO	
31 HpCB-180	393 803	10.370	45.16	45.15	1.30035		545740.47	175.4878	175.4878		0.20076	1.03	NO	
32 13C-HpCB-170	405 843	10.370	47.14	47.13	0.54773		388915.53	227.3495	227.3495	117.9	0.33375	1.05	NO	
33 HpCB-170	393 803	10.370	47.18	47.14	1.61501		213416.19	65.5313	65.5313		0.18953	1.11	NO	
34 13C-HpCB-189	405 843	10.370	48.97	48.95	0.69767		205213.19	94.1808	94.1808	48.8	0.26203	1.03	NO	
35 HpCB-189	393 803	10.370		48.97	1.23073						0.43894		NO	

**Quantity Sample Summary Report**      **MassLynx 4.1**

Dataset:      C:\MassLynx\Default\pro\01SE09A10D51668MSLA.qld

Last Altered:      Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed:      Wednesday, September 02, 2009 10:06:37 PM Pacific Daylight Time

**Name: 01SE09A10D5\_25, Date: 02-Sep-2009, Time: 21:05:20, ID: LHKQG-2-AC, Description: G9H050321-8RX**

# Name	Trace	Sample Size	RT	Prd:RT	RFF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36													
37 13C-PeCB-111		335.924	10.370		34.06	1.30475				0.18749		NO	
38													
39 Function 3 PFK		380.976	1.000		0.00								
40 Function 4 PFK		380.976	1.000		0.00								

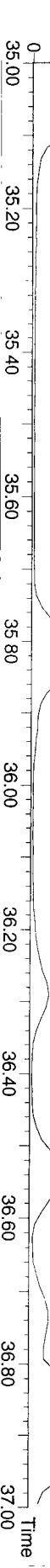
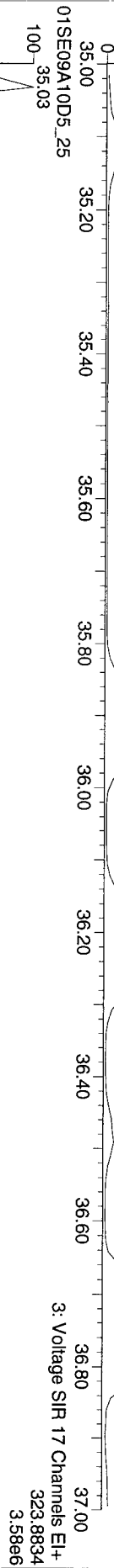
G9H050321-8RX  
01SE09A10D5\_25

Hexa

MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCB

2600 g/04/09

3: Voltage SIR 17 Channels EI+  
36.76 359.8415 3.84e6

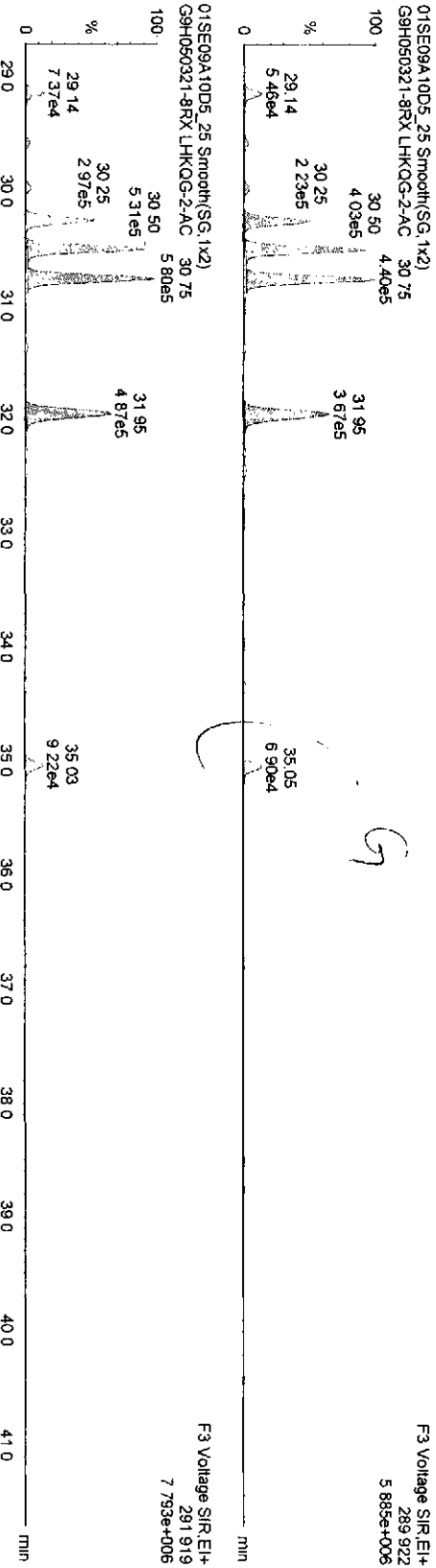


Dataset: C:\MassLynx\Default\pro\01SE09A10D5\1668MSLA.qld

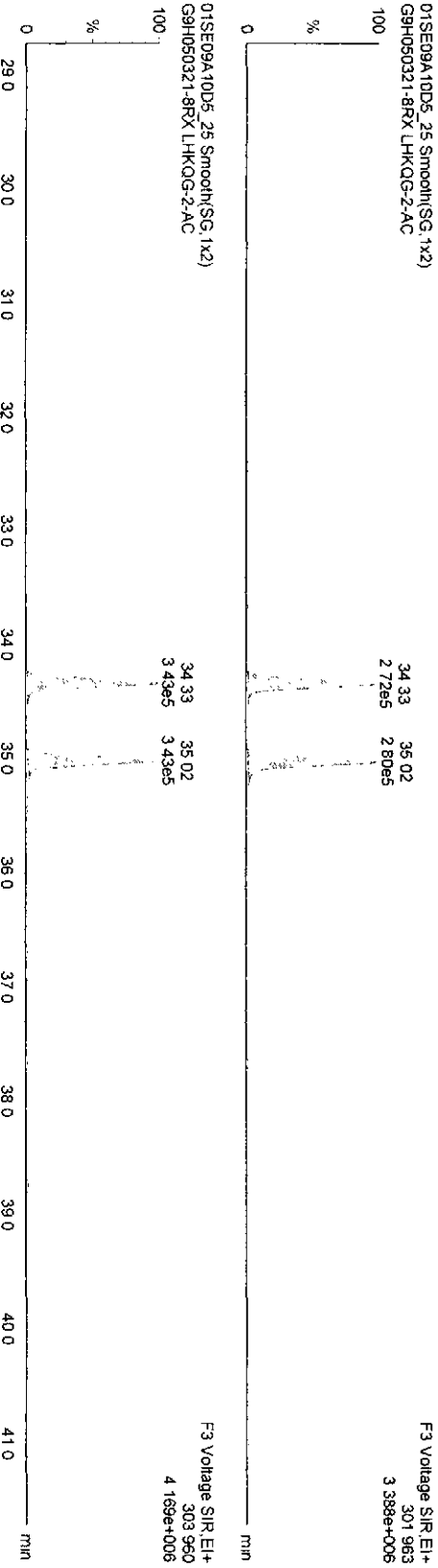
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_25 Date: 02-Sep-2009, Time: 21:05:20, ID: LHKQG-2-AC, Description: G9H050321-8RX

**TetraPCBs**



**13C-TetrasPCBs**



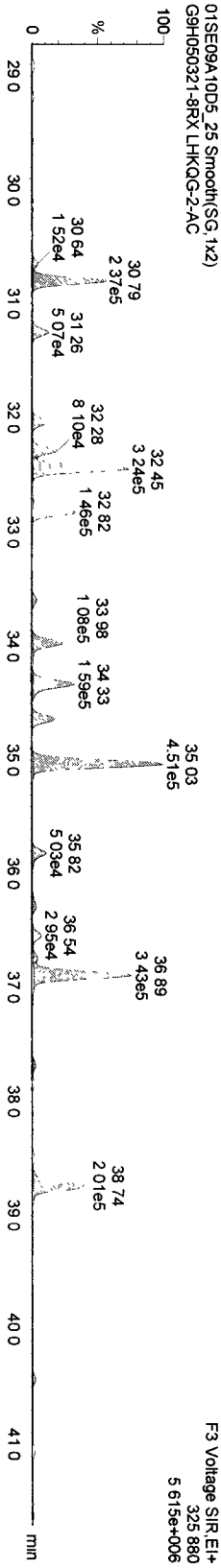
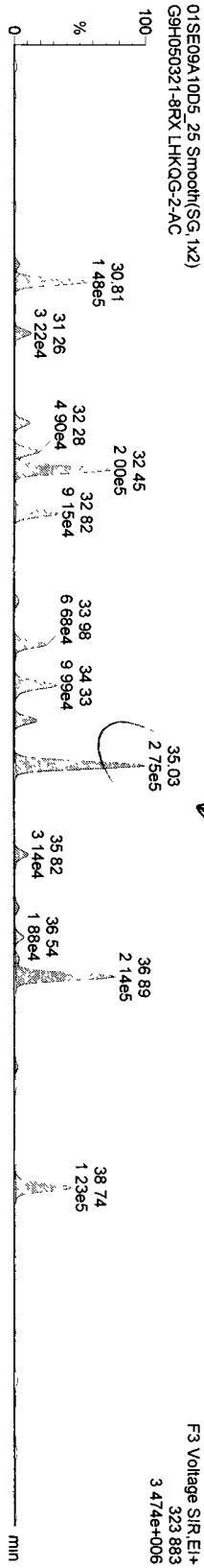
MORE THAN 50% CONTRIBUTION FROM A HIGHER CHLORINATION PCB

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

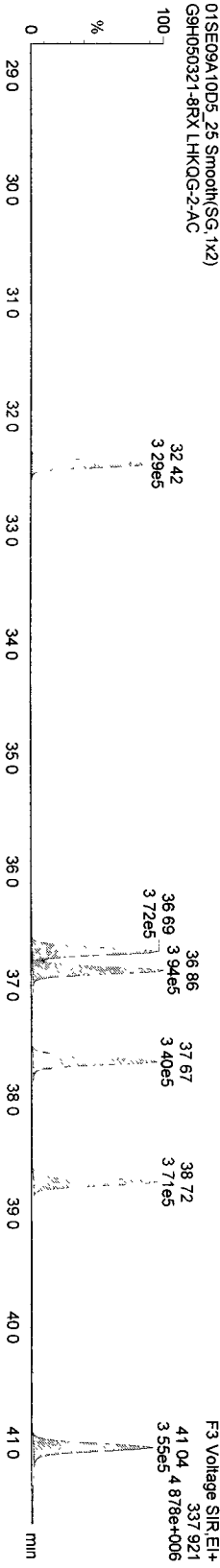
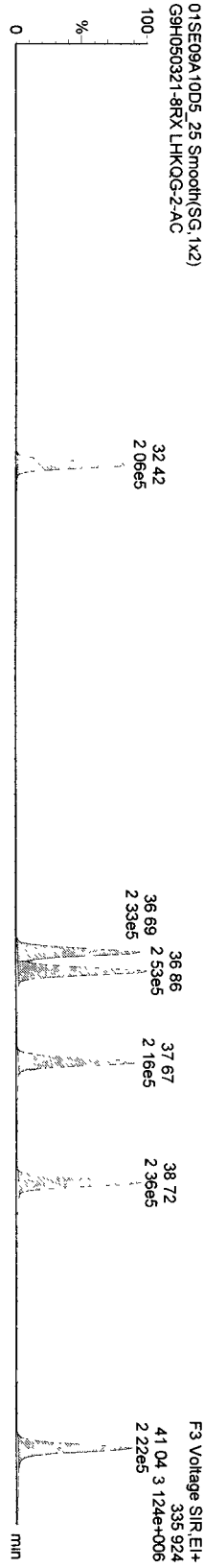
Name: 01SE09A10D5\_25, Date: 02-Sep-2009, Time: 21:05:20, ID: LHKQG-2-AC, Description: G9H050321-8RX

*3009/04/09*

PePCBs



13C-PePCBs



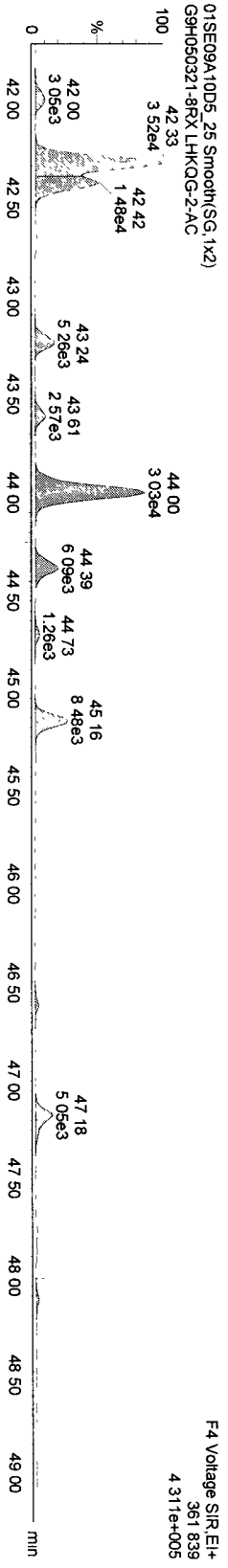
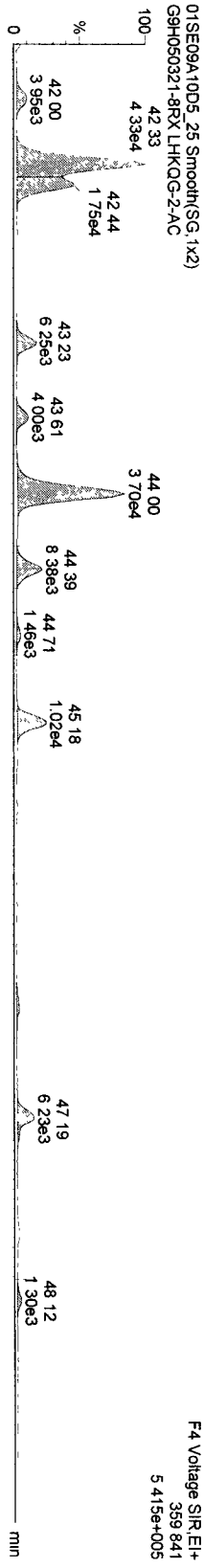


Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

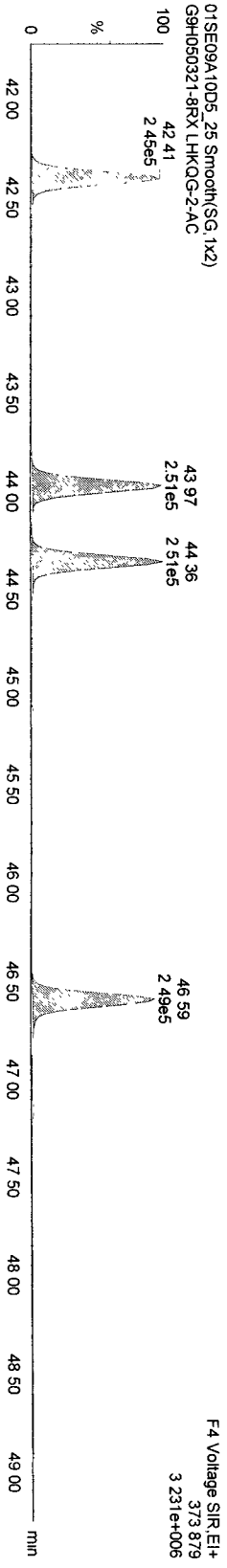
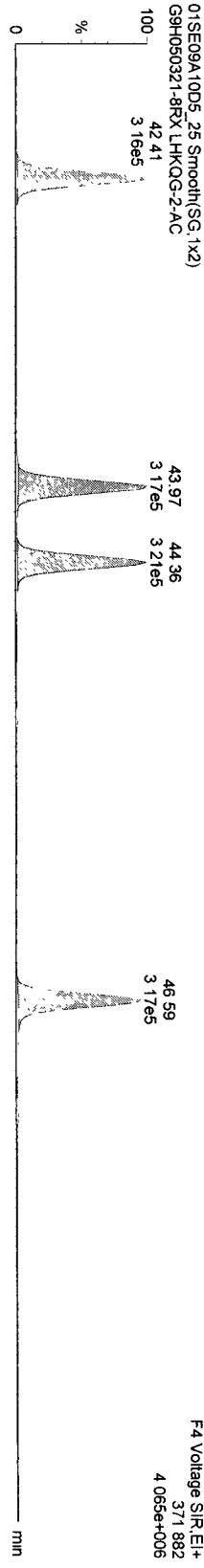
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 Printed: Wednesday, September 02, 2009 10:07 41 PM Pacific Daylight Time

Name: 01SE09A10D5\_25, Date: 02-Sep-2009, Time: 21:05:20, ID: LHKQG-2-AC, Description: G9H050321-8RX

**HXPCBs-**



**13C-HXPCBs**

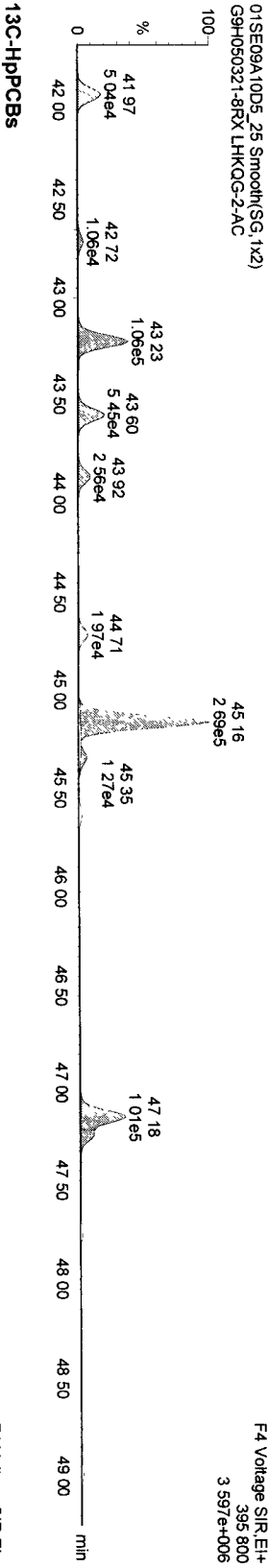
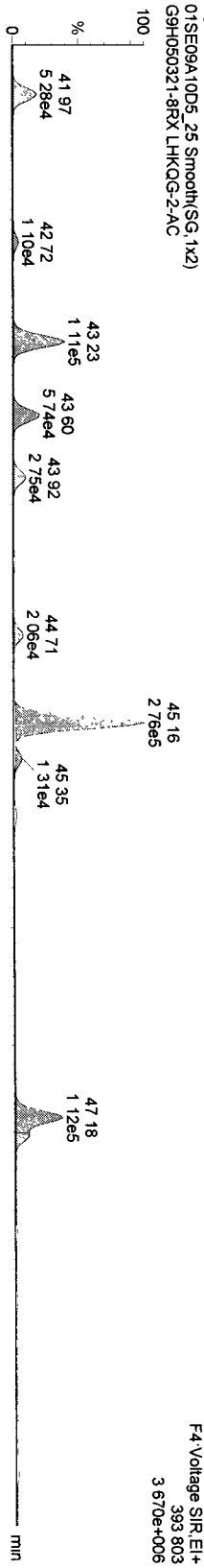


Dataset: C:\MassLynx\Default\01SE09A10D51668MSLA.qld

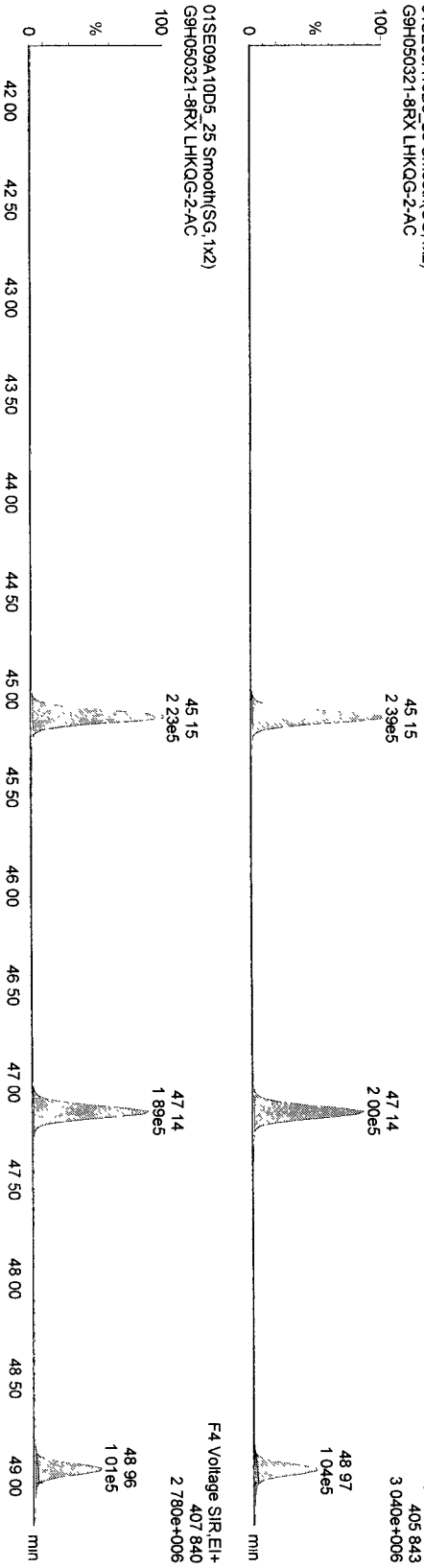
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_25, Date: 02-Sep-2009, Time: 21:05:20, ID: LHKQG-2-AC, Description: G9H050321-8RX

**HP PCBs**



**13C-HP PCBs**

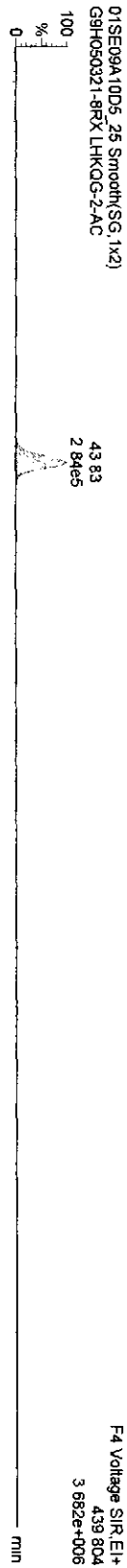


Dataset C:\Masslynx\Default\pro\01SE09A10D5\1668MSLA.qld

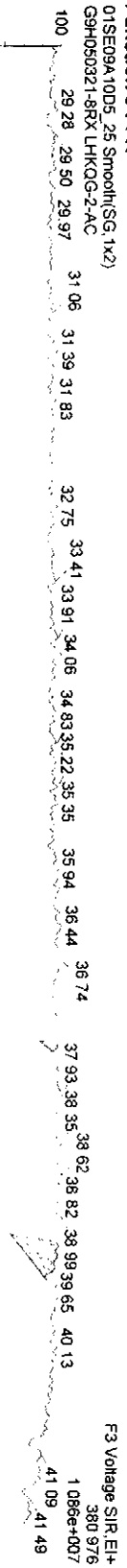
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_25, Date: 02-Sep-2009, Time: 21:05:20, ID: LHKQG-2-AC, Description: G9H050321-8RX

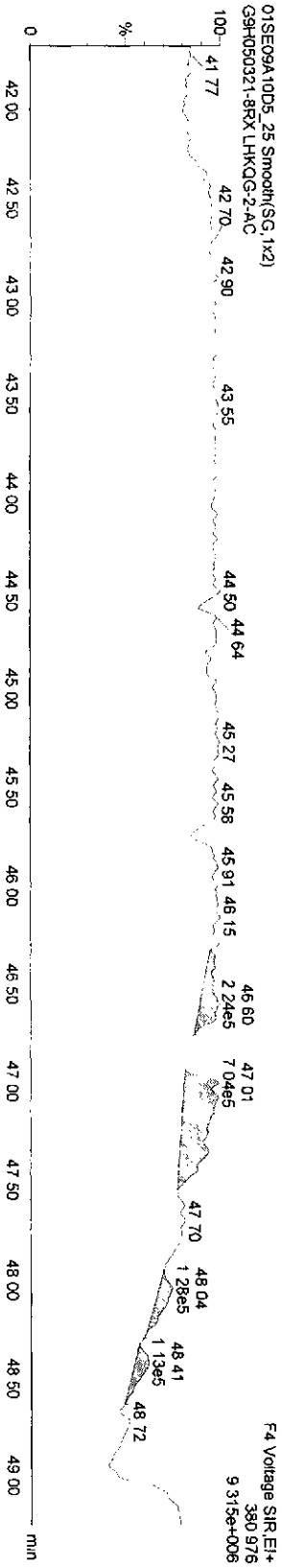
13C-OcCB-202



Function 3 PFK



Function 4 PFK





Test America - West Sacramento

Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668MSL

Associated ICAL ICAO716200910DS1668MSL

Column ID DB-5

Instrument ID 10DS

STD ID ST0901A

STD Solution 09DXN207

Analyzed by A.M.

Date Analyzed 9-1-09 / 9-02-09

Std. Pkg. By SMA

Date Std. Pkg. Assembled 9-03-09

Std. Pkg. Reviewed By MS

Date Std. Pkg. Reviewed 9-03-09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?***	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Method 1668A (PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit, this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* Method 1668A (PCBs) resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71)

Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time

Printed: Wednesday, September 02, 2009 10:05:47 PM Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 29 Aug 2009 08:26:41

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Name: 01SE09A10D5\_14, Date: 02-Sep-2009, Time: 10:37:46, ID: ST0901A, Description: CS-3 09DXN207

#	Name	Response	RT	RRF M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D...
1	13C-PeCB-101	1027984	32.30	1.00000	1.00000	100.00	0.0	100.0	0.637	NO	
2											
3	13C-TeCB-81	1082371	34.21	1.03984	1.05291	101.26	1.3	101.3	0.805	NO	
4	TeCB-81	869250	34.23	1.45839	1.60620	55.07	10.1	110.1	0.750	NO	
5	13C-TeCB-77	1132490	34.90	1.10430	1.10166	99.76	-0.2	99.8	0.798	NO	
6	TeCB-77	761958	34.91	1.27061	1.34563	52.95	5.9	105.9	0.745	NO	
7											
8	13C-PeCB-123	1030441	36.57	0.99324	1.00239	100.92	0.9	100.9	0.648	NO	
9	PeCB-123	830367	36.59	1.50539	1.61167	53.53	7.1	107.1	0.625	NO	
10	13C-PeCB-118	1067394	36.74	1.02407	1.03834	101.39	1.4	101.4	0.622	NO	
11	PeCB-118/106	851741	36.76	1.52536	1.59593	52.31	4.6	104.6	0.623	NO	
12	13C-PeCB-114	1107072	37.53	1.03691	1.07694	103.86	3.9	103.9	0.644	NO	
13	PeCB-114	911034	37.55	1.58603	1.64584	51.89	3.8	103.8	0.614	NO	
14	13C-PeCB-105	1041802	38.60	0.98151	1.01344	103.25	3.3	103.3	0.634	NO	
15	PeCB-105/127	777964	38.62	1.43326	1.49350	52.10	4.2	104.2	0.613	NO	
16	13C-PeCB-126	1094080	40.90	1.02999	1.06430	103.33	3.3	103.3	0.623	NO	
17	PeCB-126	662785	40.92	1.15582	1.21158	52.41	4.8	104.8	0.619	NO	
18											
19	13C-OcCB-202	1161434	43.72	1.00000	1.00000	100.00	0.0	100.0	0.893	NO	
20											
21	13C-HxCB-167	1238209	42.26	1.00247	1.06610	106.35	6.3	106.3	1.277	NO	
22	HxCB-167	945131	42.30	1.34796	1.52661	56.63	13.3	113.3	1.231	NO	
23	13C-HxCB-156	997741	43.84	0.78510	0.85906	109.42	9.4	109.4	1.286	NO	
24	HxCB-156	864690	43.88	1.68840	1.73330	51.33	2.7	102.7	1.217	NO	
25	13C-HxCB-157	1050362	44.23	0.83526	0.90437	108.27	8.3	108.3	1.275	NO	
26	HxCB-157	887504	44.26	1.65965	1.68990	50.91	1.8	101.8	1.234	NO	
27	13C-HxCB-169	1151338	46.45	0.87128	0.99131	113.78	13.8	113.8	1.272	NO	
28	HxCB-169	640418	46.48	1.09832	1.11248	50.64	1.3	101.3	1.234	NO	
29											
30	13C-HpCB-180	872276	45.01	0.68403	0.75103	109.80	9.8	109.8	1.055	NO	
31	HpCB-180	579146	45.04	1.30035	1.32790	51.06	2.1	102.1	1.047	NO	
32	13C-HpCB-170	714046	47.02	0.54773	0.61480	112.24	12.2	112.2	1.058	NO	
33	HpCB-170	590874	47.05	1.61501	1.65500	51.24	2.5	102.5	1.042	NO	
34	13C-HpCB-189	957660	48.85	0.69767	0.82455	118.19	18.2	118.2	1.036	NO	
35	HpCB-189	588868	48.86	1.23073	1.22980	49.96	-0.1	99.9	1.048	NO	
36											
37	13C-PeCB-111	1403953	34.06	1.30475	1.31437	100.74	0.7	100.7	0.620	NO	
38											
39	Function 3 PFK										
40	Function 4 PFK										

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\01SE09A10D5.SPL  
 Last Modified: Tuesday, September 01, 2009 23:15:58 Pacific Daylight Time  
 Printed: Tuesday, September 01, 2009 23:16:03 Pacific Daylight Time

Page 1 of 3

Page Position (1, 1)

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul	
1	01SE09A10D5_1	CS-3 09DXN207	ST0901	---	---	1.000000	---	1.00
2	01SE09A10D5_2	Solvent Blank C-12	SB0901	---	---	1.000000	---	1.00
3	01SE09A10D5_3	G9H310135-1MB	LJ39R-1-AAB	1668/Waste	30	0.100000	g	20
4	01SE09A10D5_4	G9H310135-1LCS	LJ39R-1-ACC	1668/Waste	---	0.100000	g	20
5	01SE09A10D5_5	G9H310135-1	LJ3WE-1-AC	1668/Waste	---	0.105000	g	20
6	01SE09A10D5_6	G9H310135-2	LJ3WG-1-AC	1668/Waste	---	0.101000	g	20
7	01SE09A10D5_7	G9H310135-3	LJ3WH-1-AC	1668/Waste	---	0.100000	g	20
8	01SE09A10D5_8	F9H140144-1LCS	LJ32H-1-ACC	1668/Solid	29	10.000000	g	20
9	01SE09A10D5_9	F9H140144-1MB	LJ32H-1-AAB	1668/Solid	---	10.000000	g	20
10	01SE09A10D5_10	G9H130265-1RX	LH462-2-AD	1668/Solid	---	2.030000	g	20
11	01SE09A10D5_11	G9H130265-1MSRX	LH462-2-AGS	1668/Solid	---	2.010000	g	20
12	01SE09A10D5_12	G9H130265-1SDEX	LH462-2-AHD	1668/Solid	---	2.260000	g	20
13	01SE09A10D5_13	Solvent Blank C-12	SB0901A	---	---	1.000000	---	1.00
14	01SE09A10D5_14	CS-3 09DXN207	ST0901A	---	---	1.000000	---	1.00
15	01SE09A10D5_15	Solvent Blank C-12	SB0901B	---	---	1.000000	---	1.00
16	01SE09A10D5_16	G9H050321-1MBRX	LJ16P-2-AAB	1668/Solid	28	10.000000	g	20
17	01SE09A10D5_17	G9H050321-1LCSRX	LJ16P-2-ACC	1668/Solid	---	10.000000	g	20
18	01SE09A10D5_18	G9H050321-1RX	LHKPR-2-AC	1668/Solid	---	10.110000	g	20
19	01SE09A10D5_19	G9H050321-2RX	LHKP3-2-AC	1668/Solid	---	10.030000	g	20
20	01SE09A10D5_20	G9H050321-3RX	LHKP4-2-AC	1668/Solid	---	10.300000	g	20
21	01SE09A10D5_21	G9H050321-4RX	LHKP6-2-AC	1668/Solid	---	10.070000	g	20
22	01SE09A10D5_22	G9H050321-5RX	LHKP8-2-AC	1668/Solid	---	10.130000	g	20
23	01SE09A10D5_23	G9H050321-6RX	LHKP9-2-AC	1668/Solid	---	10.080000	g	20
24	01SE09A10D5_24	G9H050321-7RX	LHKQD-2-AC	1668/Solid	---	10.070000	g	20
25	01SE09A10D5_25	G9H050321-8RX	LHKQG-2-AC	1668/Solid	---	10.370000	g	20
26	01SE09A10D5_26	Solvent Blank C-12	SB0901C	---	---	1.000000	---	1.00
27	01SE09A10D5_27	CS-3 09DXN207	ST0901B	---	---	1.000000	---	1.00
28	01SE09A10D5_28	Solvent Blank C-12	SB0901D	---	---	1.000000	---	1.00
29	01SE09A10D5_29	F9H190141-1MB	LJWXX-1-AAB	1668/Solid	28	10.000000	g	20
30	01SE09A10D5_30	F9H190141-1LCS	LJWXX-1-ACC	1668/Solid	---	10.000000	g	20
31	01SE09A10D5_31	F9H190141-1	LJDXX-1-C0	1668/Solid	---	10.060000	g	20
32	01SE09A10D5_32	F9H190141-4	LJD0R-1-CA	1668/Solid	---	10.075000	g	20
33	01SE09A10D5_33	F9H190141-6	LJD0V-1-CA	1668/Solid	---	10.055000	g	20
34	01SE09A10D5_34	F9H200195-1	LJGN9-1-C0	1668/Solid	28	10.170000	g	20
35	01SE09A10D5_35	F9H200195-2	LJGQJ-1-CA	1668/Solid	---	10.275000	g	20
36	01SE09A10D5_36	F9H200195-4	LJGQX-1-CA	1668/Solid	---	10.300000	g	20
37	01SE09A10D5_37	F9H140144-2RX	LH6MW-2-CG	1668/Solid	---	10.000000	g	20
38	01SE09A10D5_38	F9H140144-3RX	LH6M0-2-CG	1668/Solid	---	10.000000	g	20
39	01SE09A10D5_39	F9H140144-4RX	LH6M2-2-CG	1668/Solid	---	10.000000	g	20
40	01SE09A10D5_40	Solvent Blank C-12	SB0901E	---	---	1.000000	---	1.00

*Logfile checked*

*9-2-09*

*SMA*

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\01SE09A10D5 SPL  
 Last Modified: Tuesday, September 01, 2009 23:15:58 Pacific Daylight Time  
 Printed: Tuesday, September 01, 2009 23:16:03 Pacific Daylight Time

Page 2 of 3

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:2	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:3	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:4	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	2000	4000	2000	2000
Tray1:5	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:6	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:7	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:8	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:10	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:11	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:14	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:15	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:16	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:24	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:25	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:26	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:27	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:28	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:29	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
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Tray1:31	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:32	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:33	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:34	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:35	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:36	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:37	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:38	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:39	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:40	1.000000	Analyte	AM 09-01-09	1668M10D5	1668M10D5	---	---	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\01SE09A10D5.SPL  
Last Modified: Tuesday, September 01, 2009 23:15:58 Pacific Daylight Time  
Printed Tuesday, September 01, 2009 23:16:03 Pacific Daylight Time

Page 3 of 3

Page Position (3, 1)

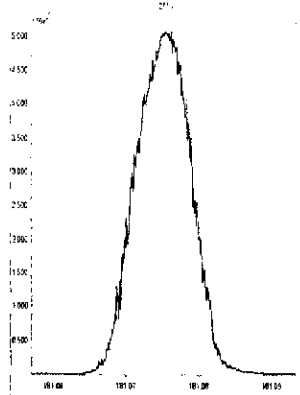
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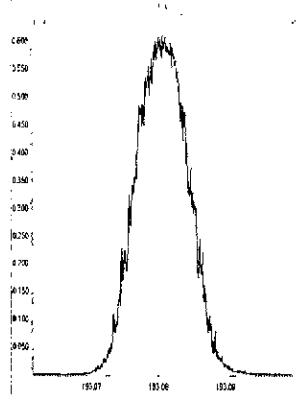
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Printed: Tuesday, September 01, 2009 22:11:13 Pacific Daylight Time

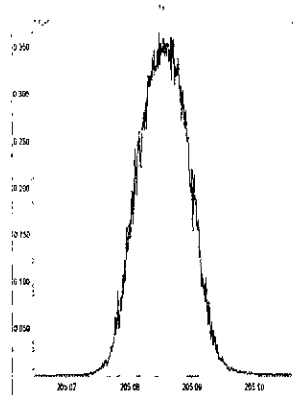
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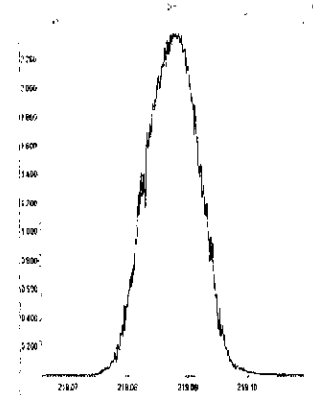
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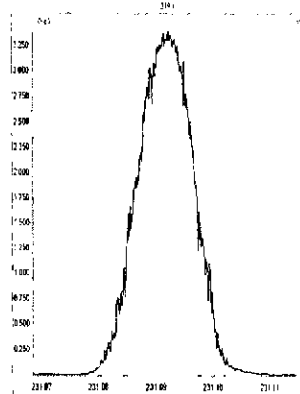
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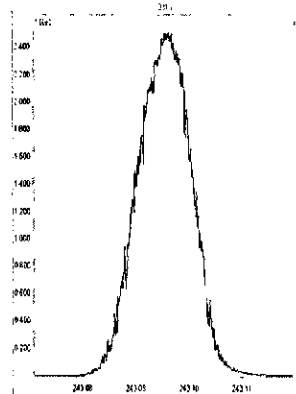
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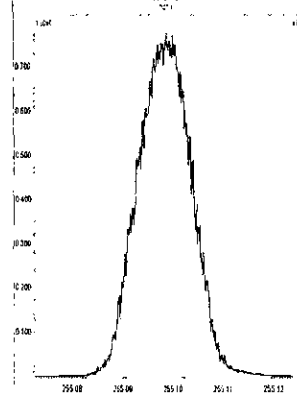
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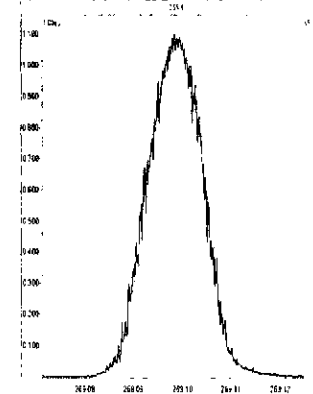
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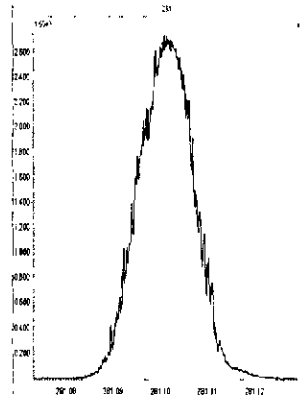
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M 268.9824 R 11471



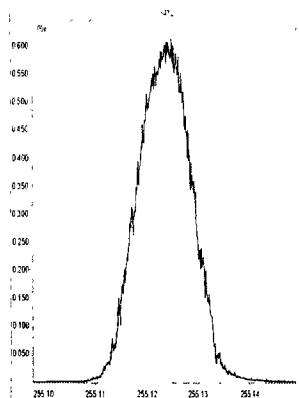
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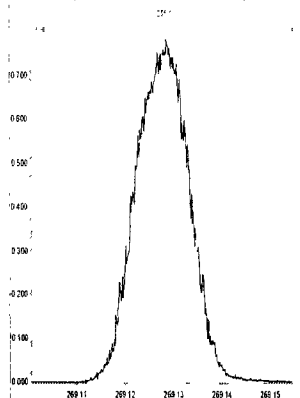
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Printed: Tuesday, September 01, 2009 22:12:42 Pacific Daylight Time

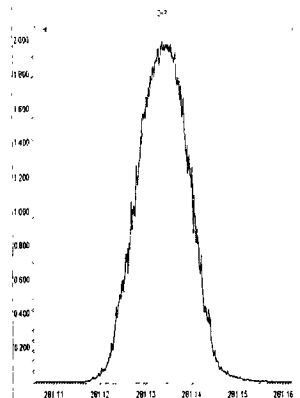
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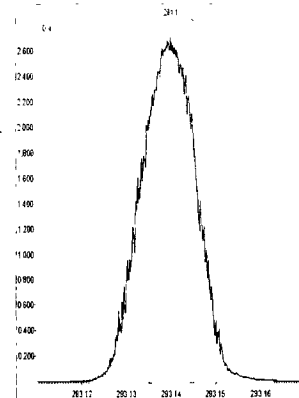
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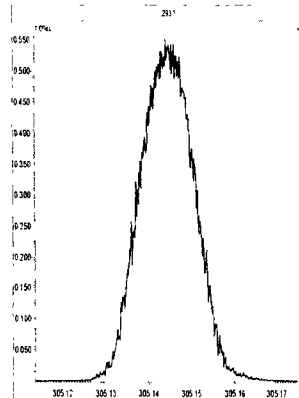
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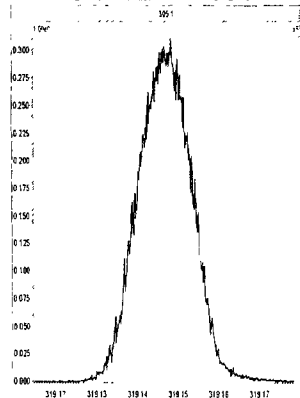
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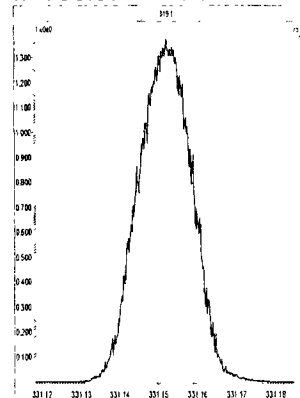
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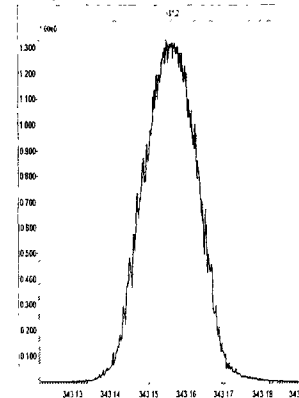
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M 330.9792 R 11112



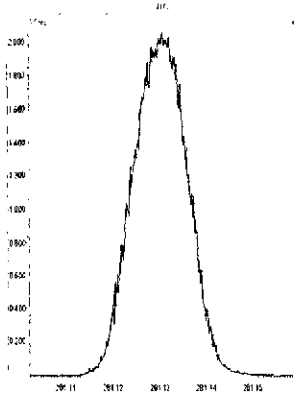
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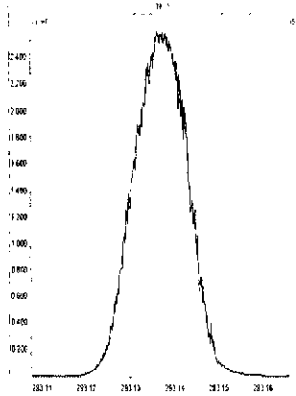
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Printed: Tuesday, September 01, 2009 22:13:47 Pacific Daylight Time

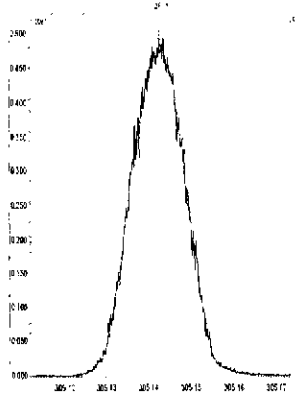
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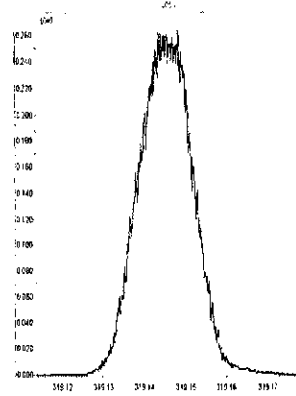
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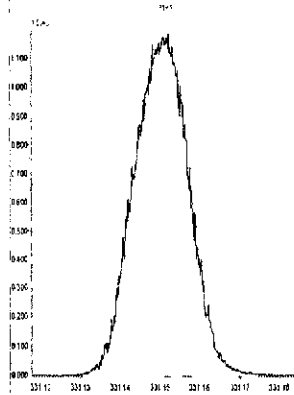
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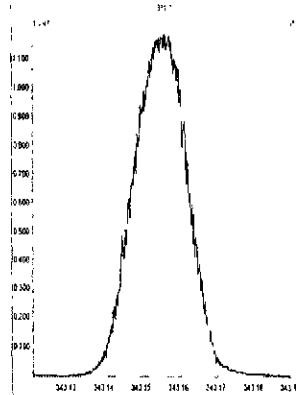
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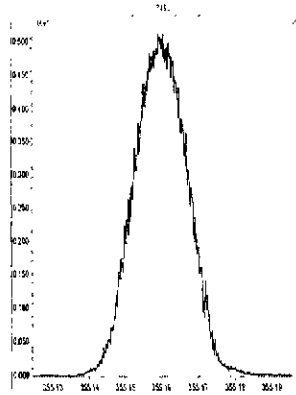
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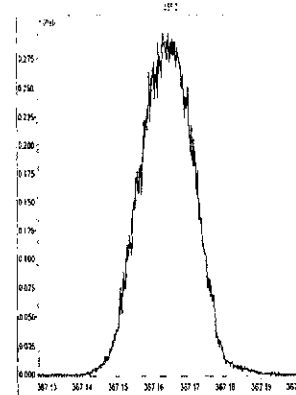
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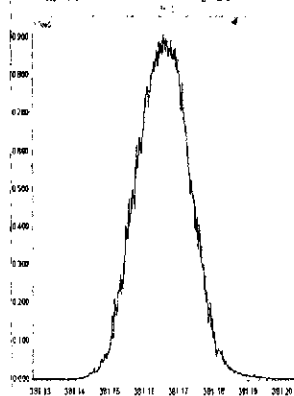
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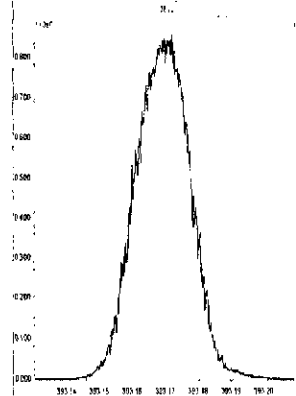
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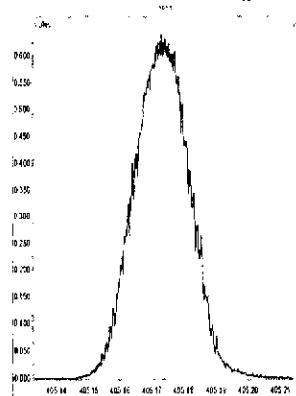
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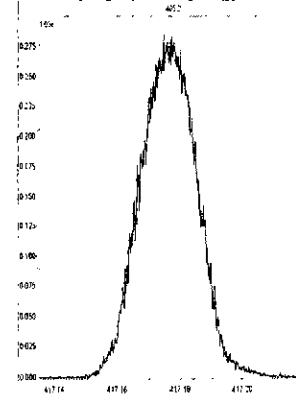
M 392.9760 R 10774



M 404.9760 R 10639



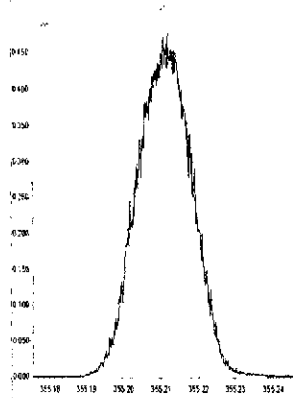
M 416.9760 R 10775



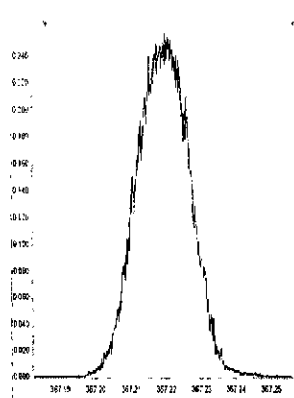
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Printed: Tuesday, September 01, 2009 22:15:05 Pacific Daylight Time

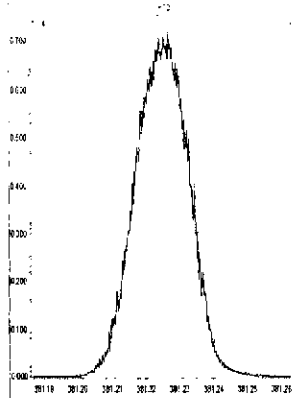
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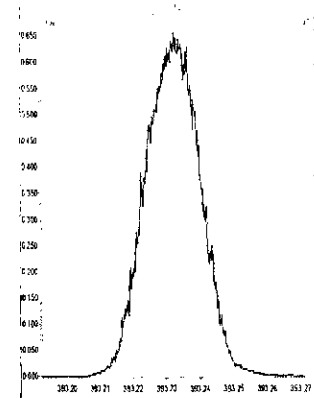
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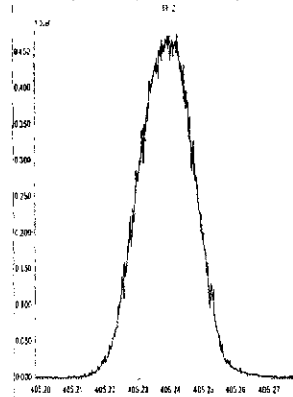
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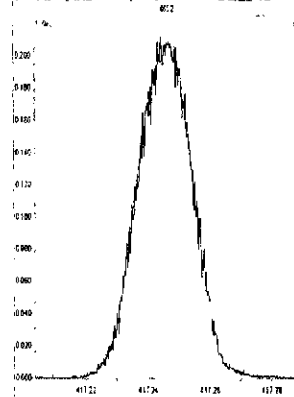
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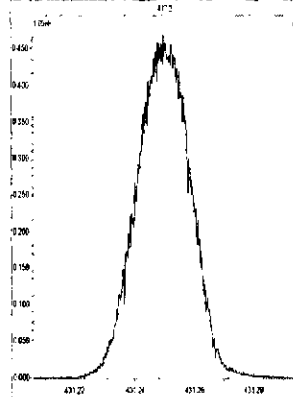
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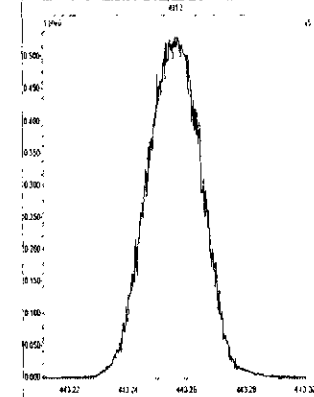
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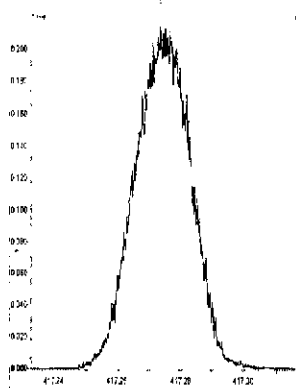
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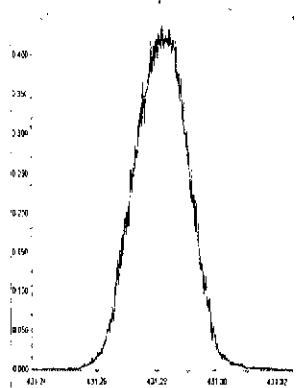
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Printed: Tuesday, September 01, 2009 22:16:25 Pacific Daylight Time

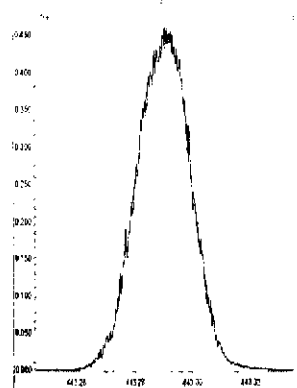
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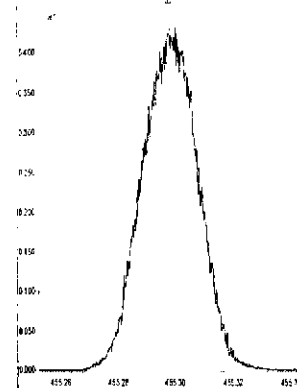
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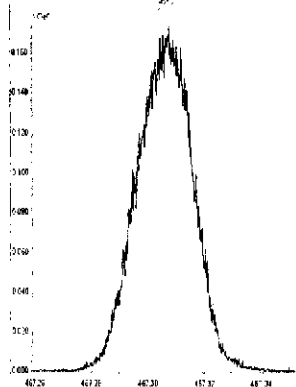
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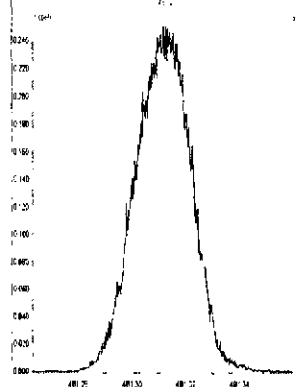
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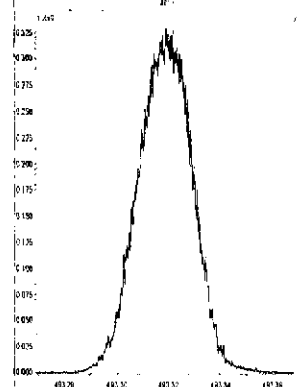
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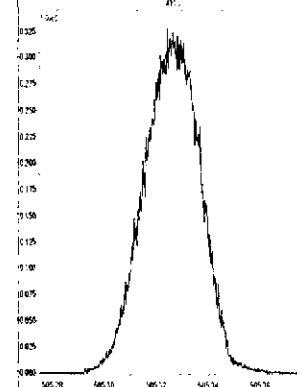
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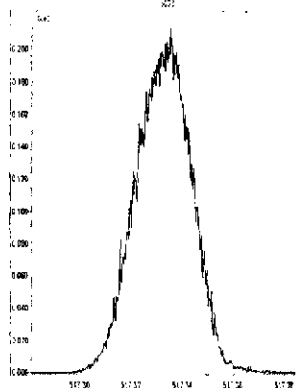
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M 504.9696 R 10731



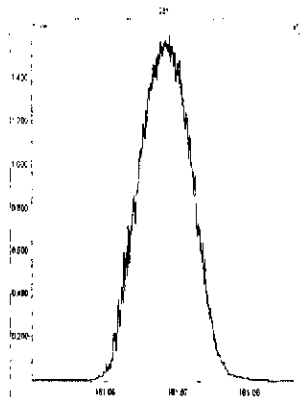
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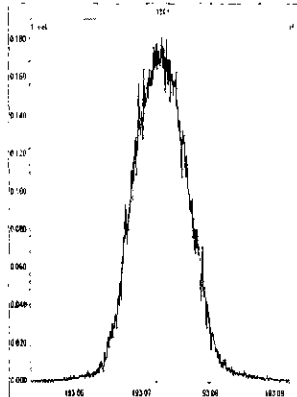
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Printed: Thursday, September 03, 2009 08:29:03 Pacific Daylight Time

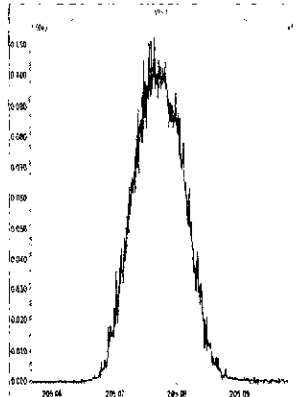
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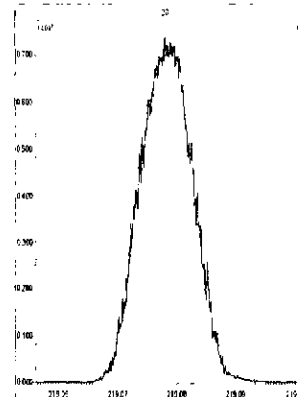
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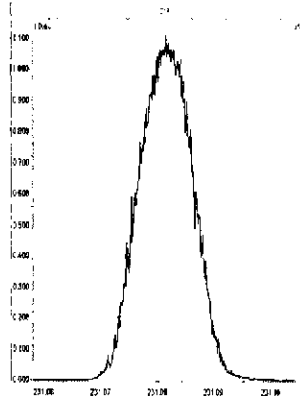
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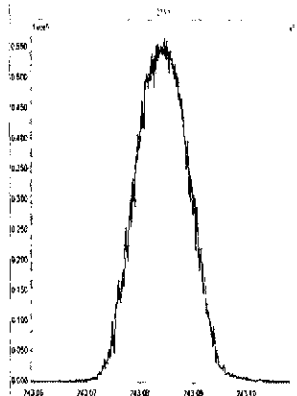
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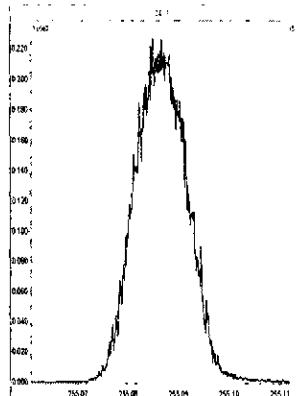
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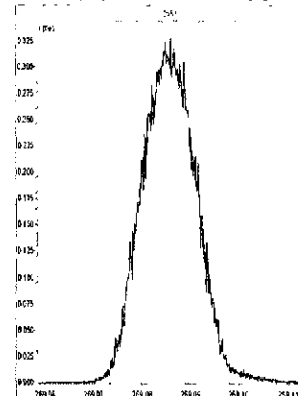
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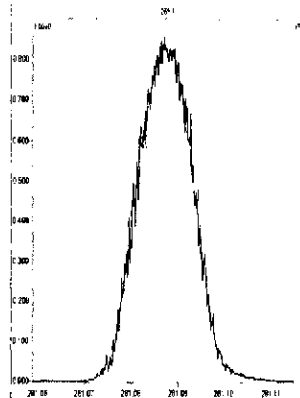
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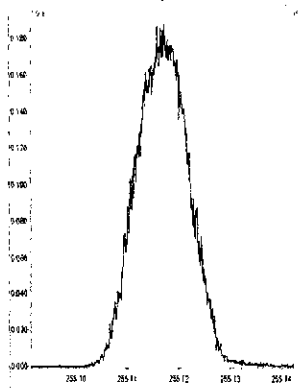
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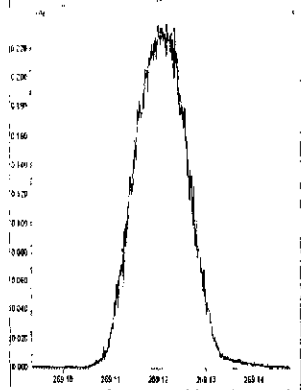
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Printed: Thursday, September 03, 2009 08:29:42 Pacific Daylight Time

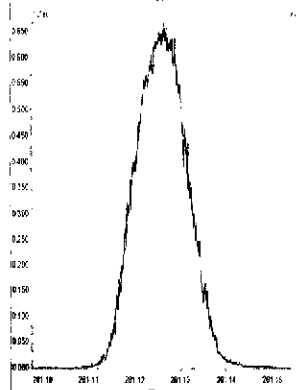
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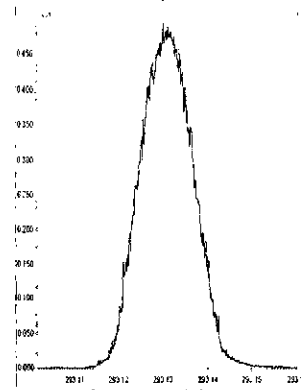
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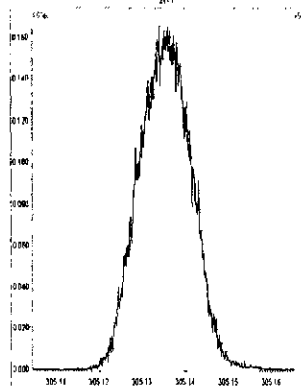
M 280.9824 R 11523



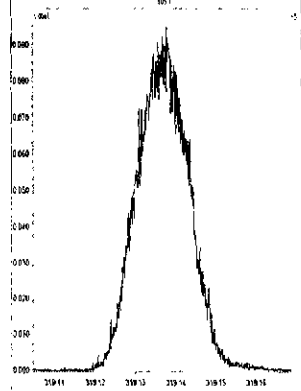
M 292.9824 R 11737



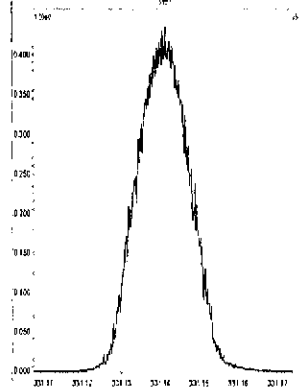
M 304.9824 R 11572



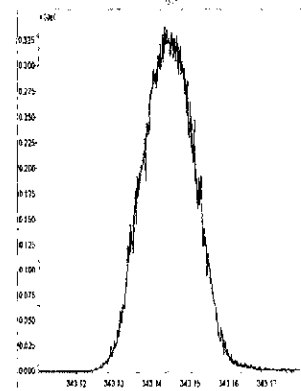
M 318.9792 R 11208



M 330.9792 R 11313



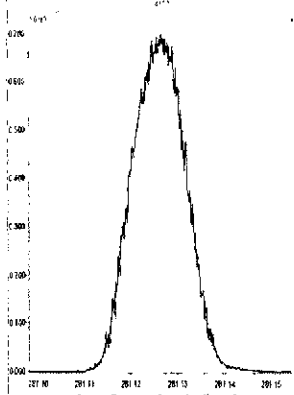
M 342.9792 R 11311



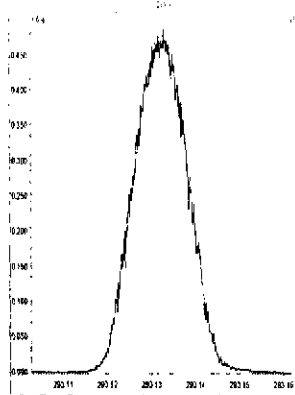
File: Experiment: 1668M10D5 exp Reference: pfk ref Function 3 @ 200 (ppm)

Printed: Thursday, September 03, 2009 08:30:30 Pacific Daylight Time

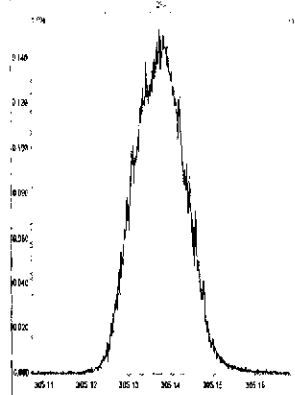
M 280.9824 R 11417



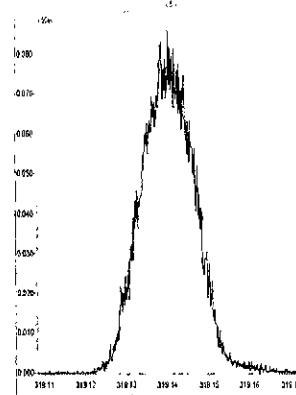
M 292.9824 R 11468



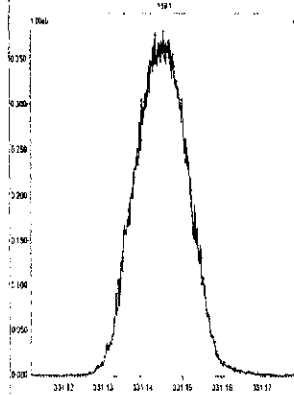
M 304.9824 R 11735



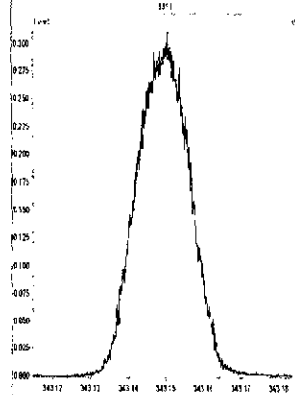
M 318.9792 R 11315



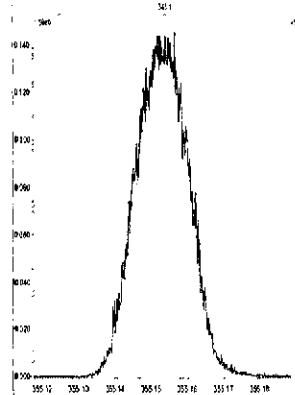
M 330.9792 R 11211



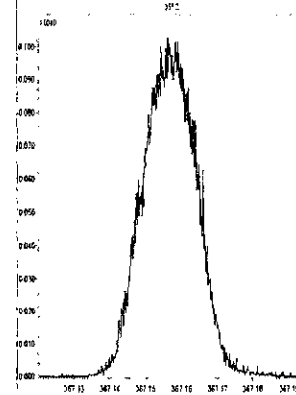
M 342.9792 R 11578



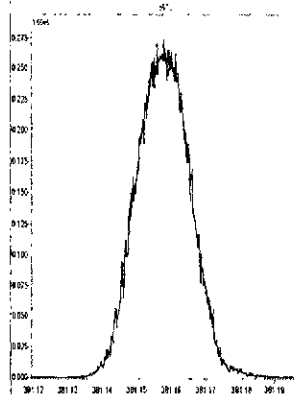
M 354.9792 R 11208



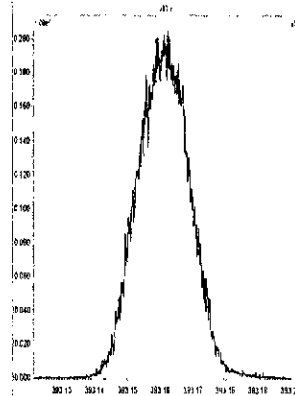
M 366.9792 R 11683



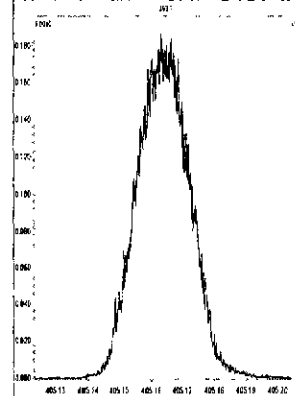
M 380.9760 R 11160



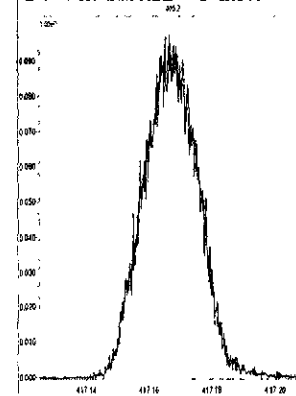
M 392.9760 R 11259



M 404.9760 R 11112



M 416.9760 R 11261

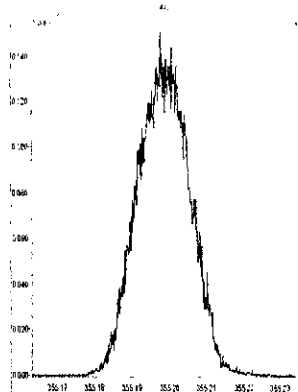




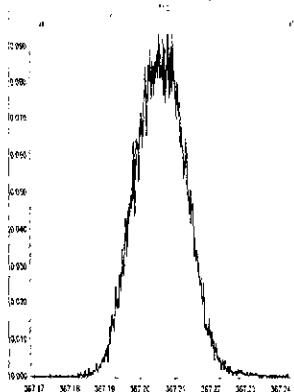
File: Experiment: 1668M10D5.exp Reference: pfk ref Function: 4 @ 200 (ppm)

Printed: Thursday, September 03, 2009 08:31:02 Pacific Daylight Time

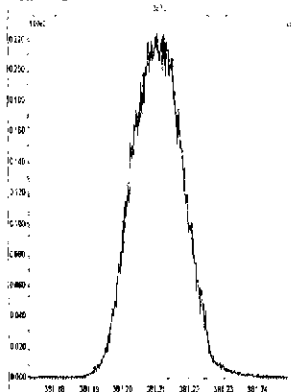
M 354.9792 R 11627



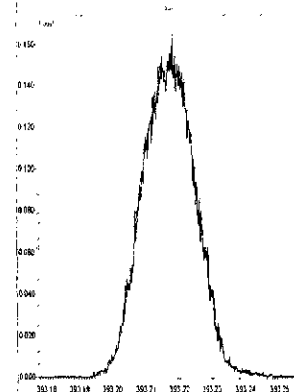
M 366.9792 R 11679



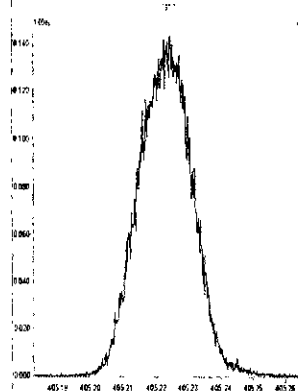
M 380.9760 R 11469



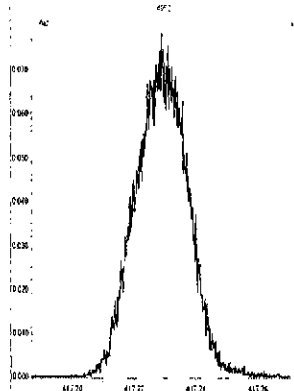
M 392.9760 R 11363



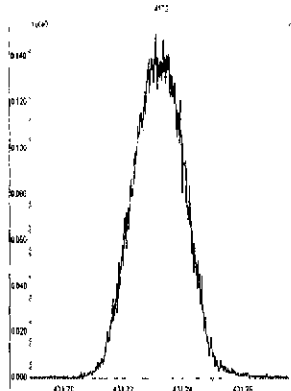
M 404.9760 R 11259



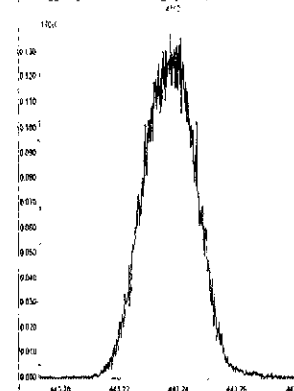
M 416.9760 R 11575



M 430.9728 R 11416



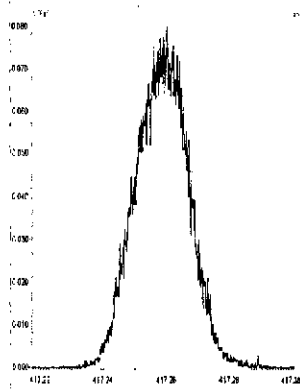
M 442.9728 R 11414



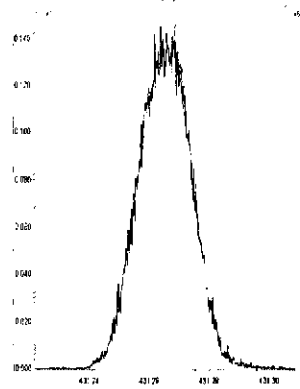
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Printed: Thursday, September 03, 2009 08:40:00 Pacific Daylight Time

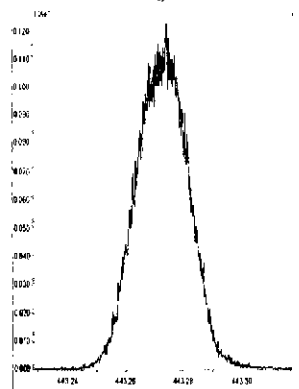
M 416.9760 R 11064



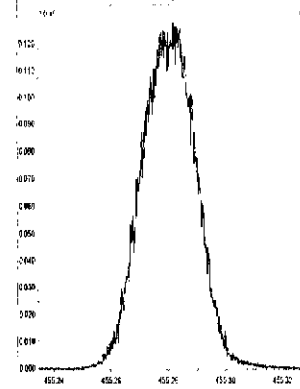
M 430.9728 R 11158



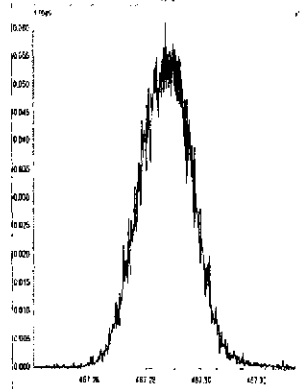
M 442.9728 R 10965



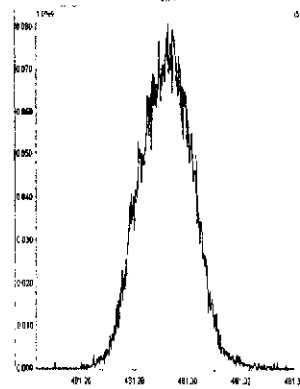
M 454.9728 R 11012



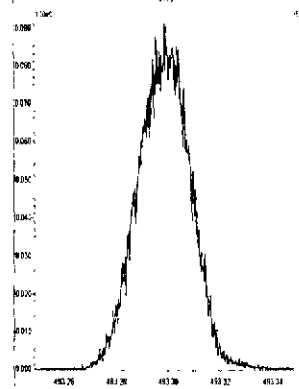
M 466.9728 R 11059



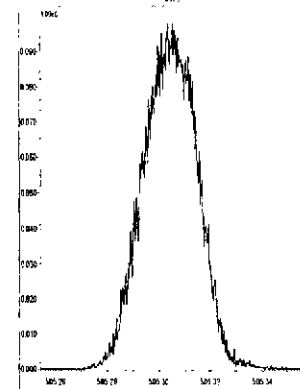
M 480.9696 R 11416



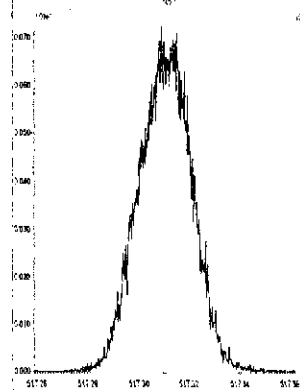
M 492.9696 R 11415



M 504.9696 R 11417



M 516.9697 R 11313

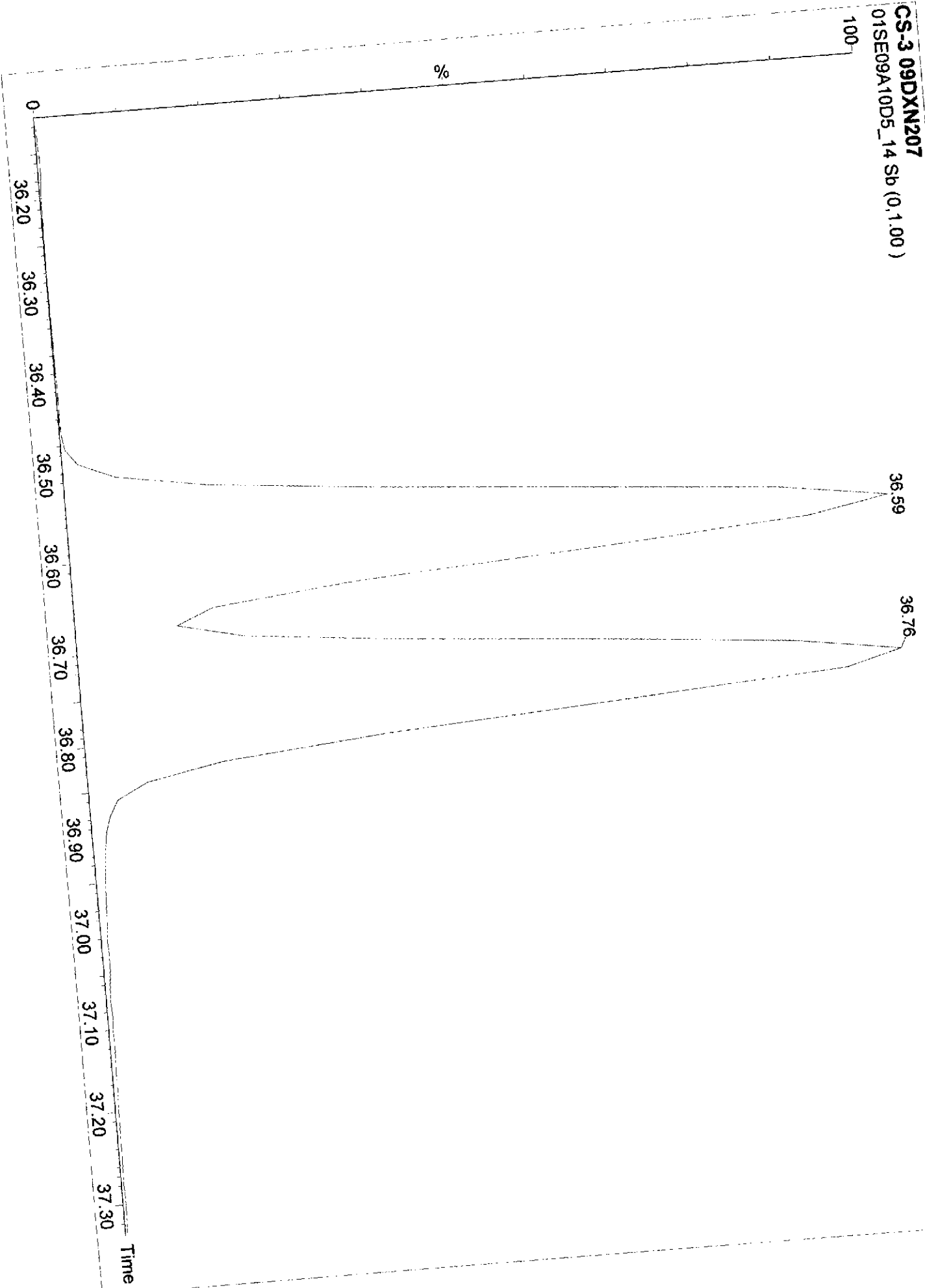


CS-3 09DXN207

01SE09A10D5\_14 Sb (0,1,00)

3: Voltage SIR 17 Channels EI+

325.8804  
5.89e6



Dataset: C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time

Printed: Wednesday, September 02, 2009 10:06:12 PM Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 29 Aug 2009 08:26:41

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

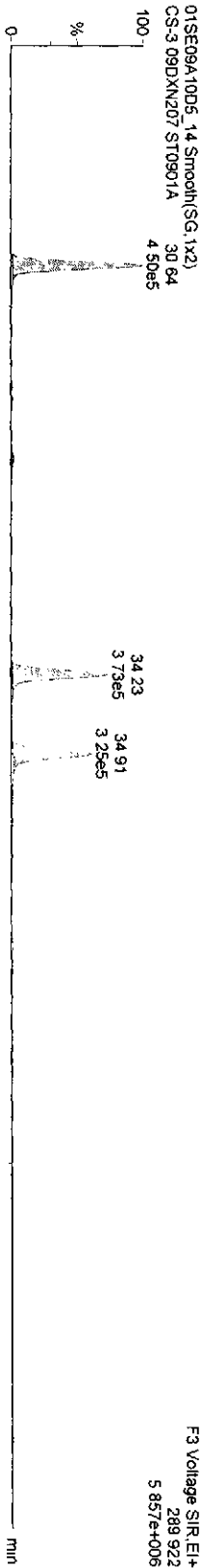
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1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C-PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

Dataset: C:\Masslynx\Default\proj01SE09A10D51668MSLA.qld

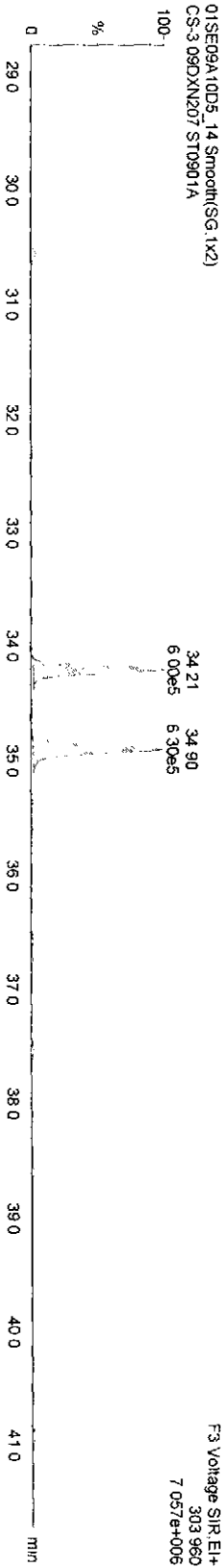
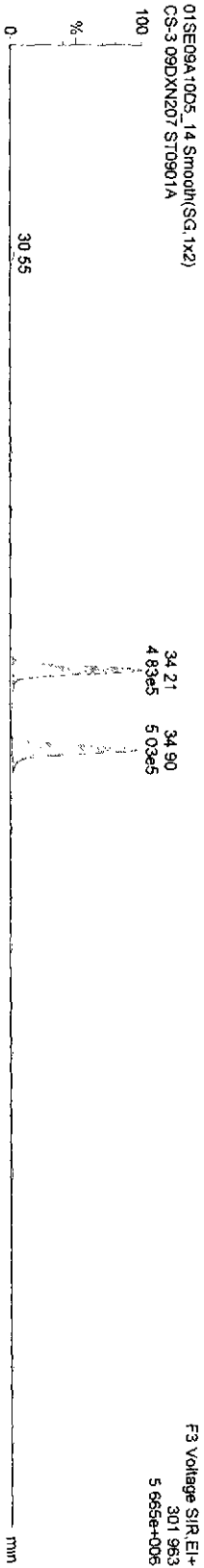
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_14, Date: 02-Sep-2009, Time: 10:37:46, ID: ST0901A, Description: CS-3 09DXN207

**TetraPCBs**



**13C-TetrasPCBs**



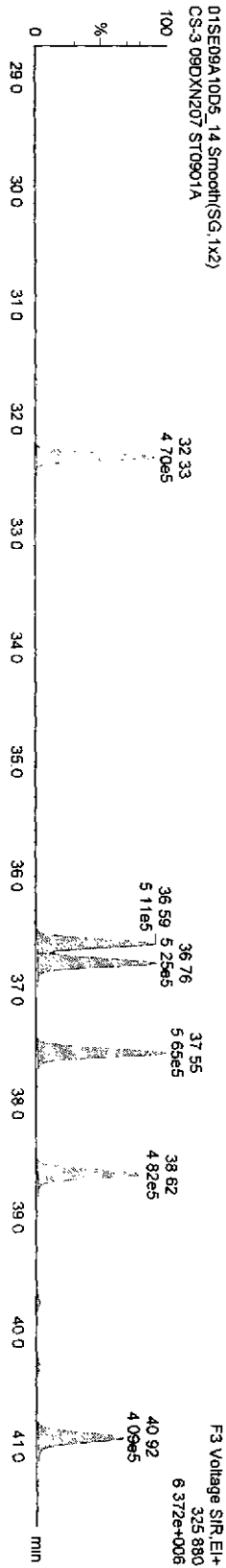
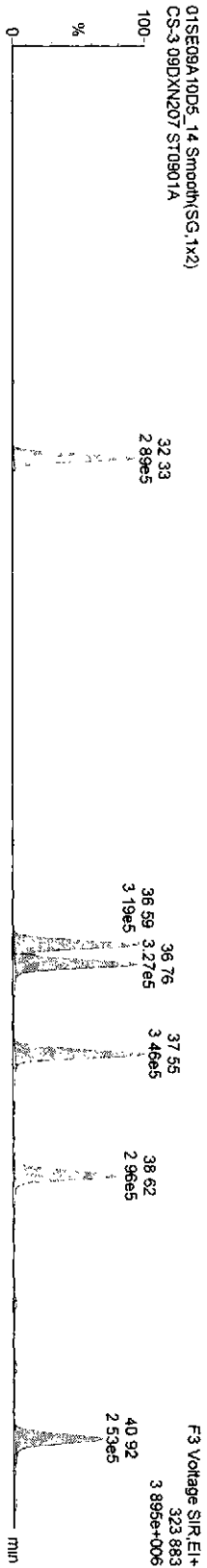
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\proj\01SE09A10D5\1668MSLA.qld

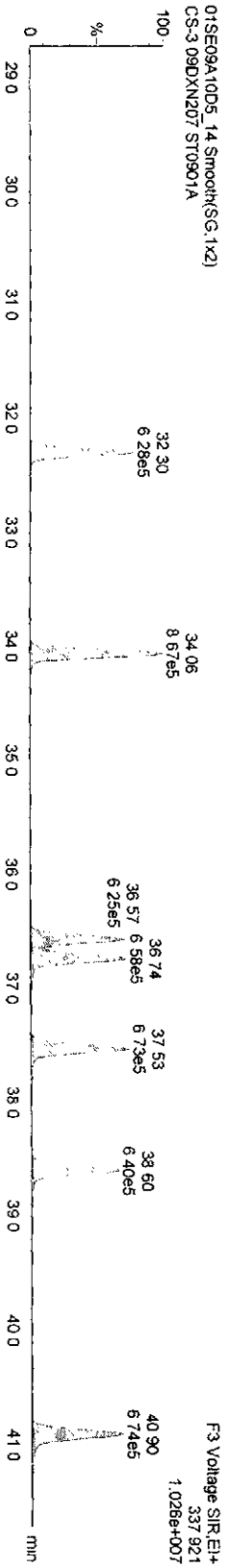
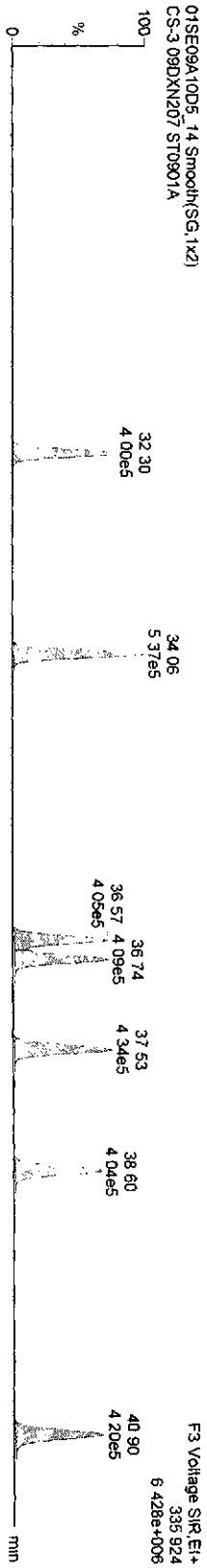
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_14, Date: 02-Sep-2009, Time: 10:37:46, ID: ST0901A, Description: CS-3 09DXN207

PePCBs



13C-PePCBs

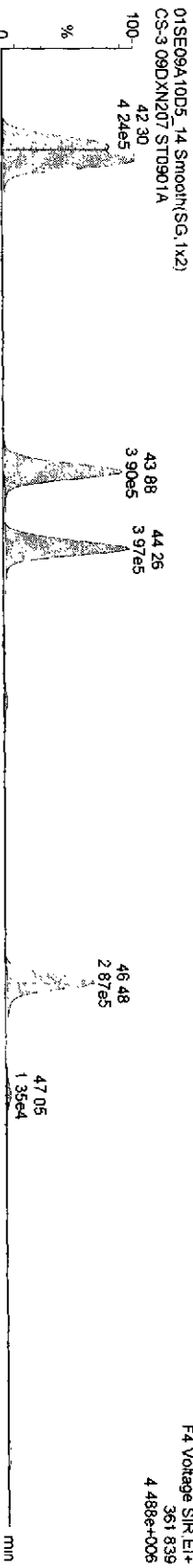
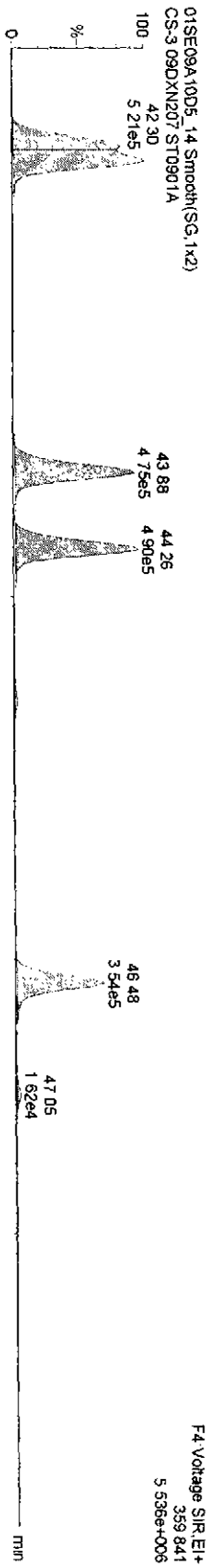


Dataset: C:\MassLynx\Default\proj\01SE09A10D51668MSLA.qld

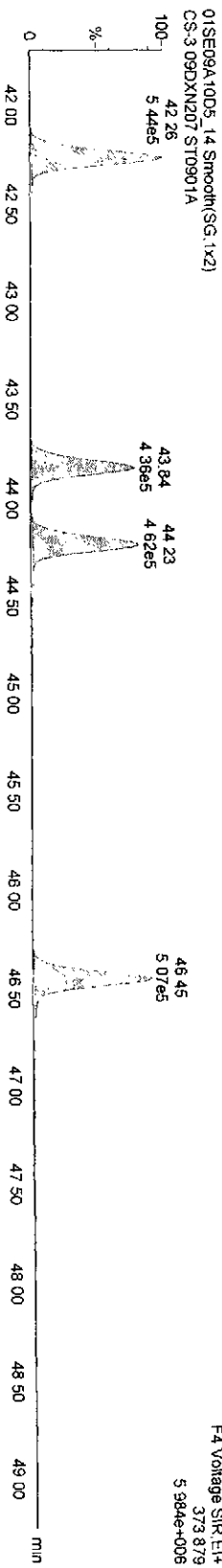
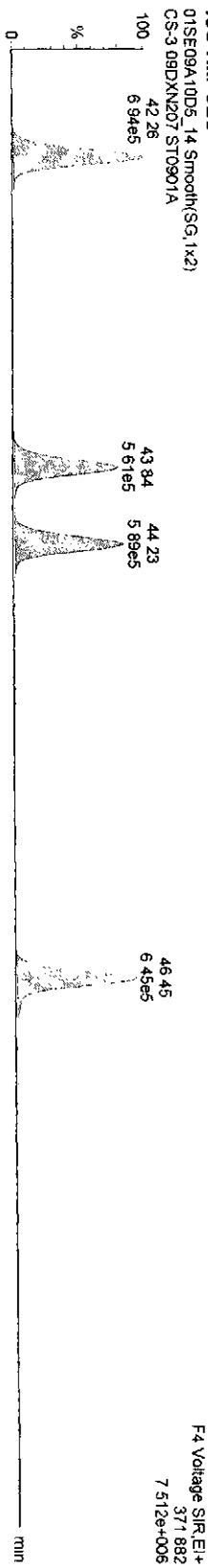
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_14, Date: 02-Sep-2009, Time: 10:37:46, ID: ST0901A, Description: CS-3 09DXN207

HxPCBs-



13C-HxPCBs

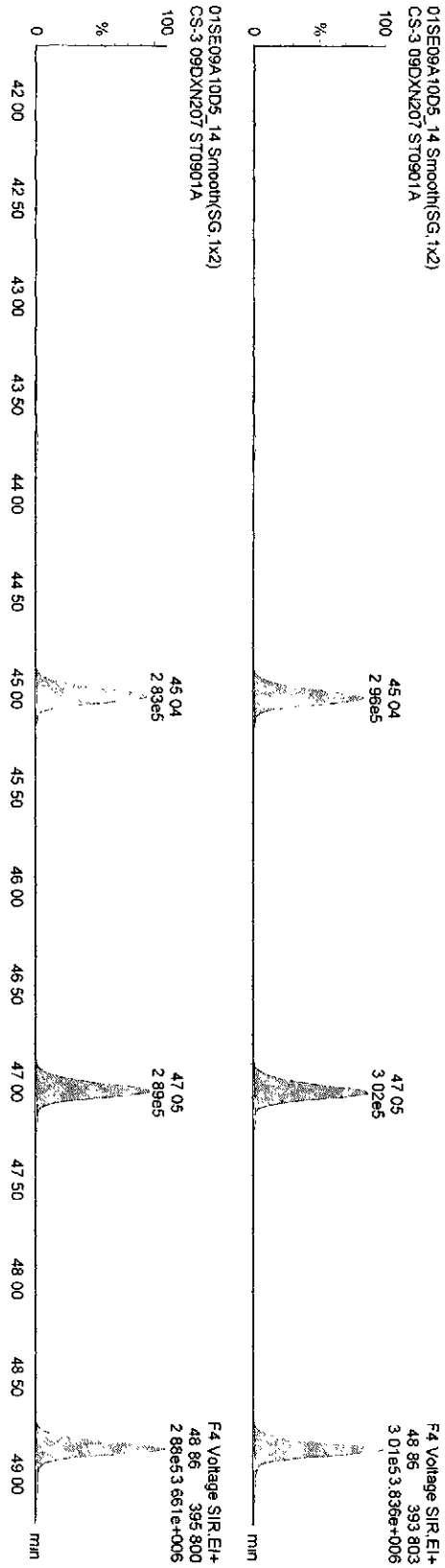


Dataset: C:\MassLynx\Default pro\01SE09A10D5\1668MSLA.qld

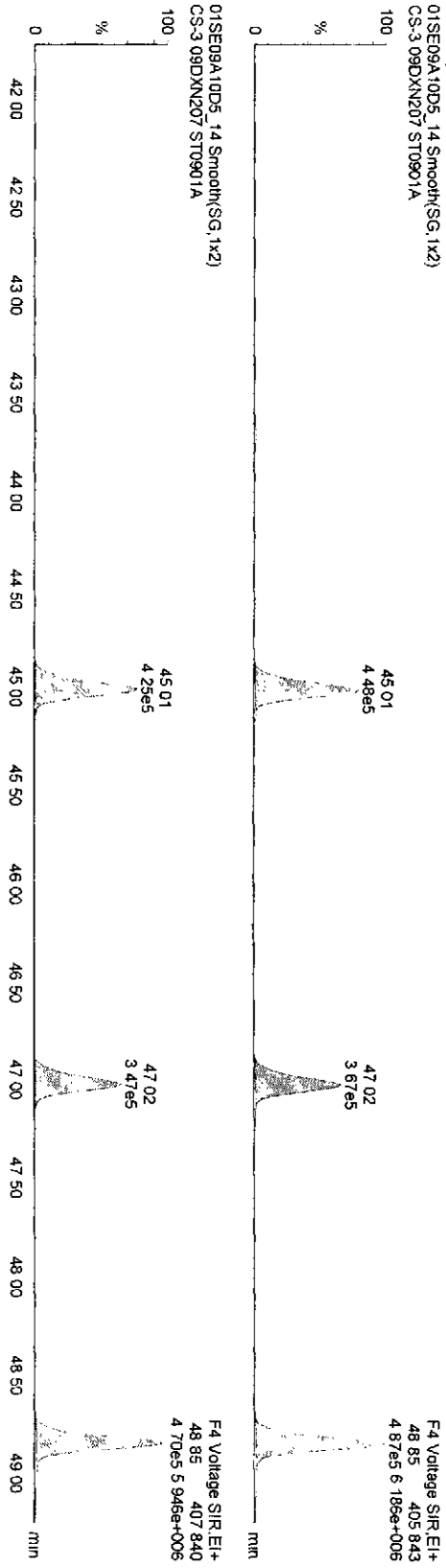
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_14; Date: 02-Sep-2009, Time: 10:37:46, ID: ST0901A, Description: CS-3 09DXN207

**HPPCBs**



**13C-HPPCBs**





Dataset: C:\MassLynx\Default pro\01SE09A10D5\1668MSLA.qld

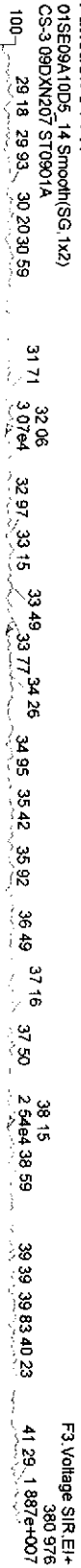
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_14, Date: 02-Sep-2009, Time: 10:37:46, ID: ST0901A, Description: CS-3 09DXN207

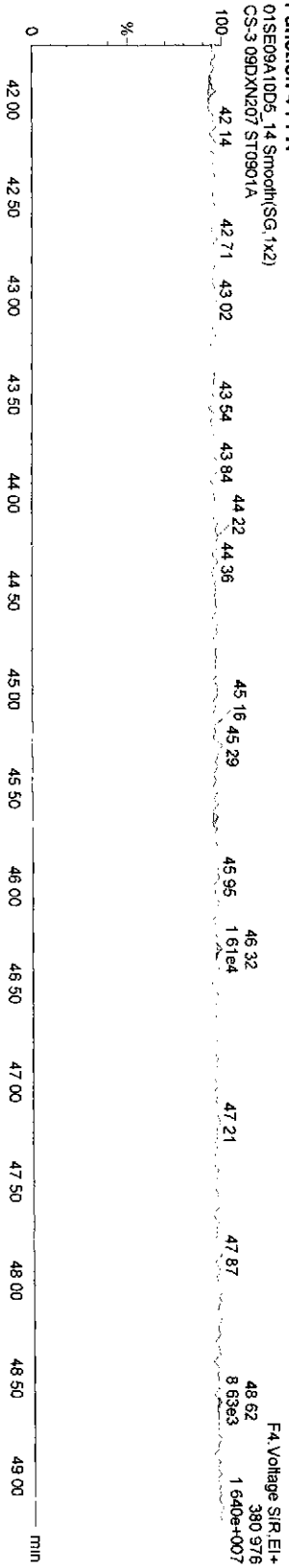
13C-OCCB-202



Function 3 PFK



Function 4 PFK



Dataset: C:\Masslynx\Default\proj\01SED09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SED09A10D5\_15, Date: 02-Sep-2009, Time: 11:34:38, ID: SB0901B, Description: Solvent Blank C-12

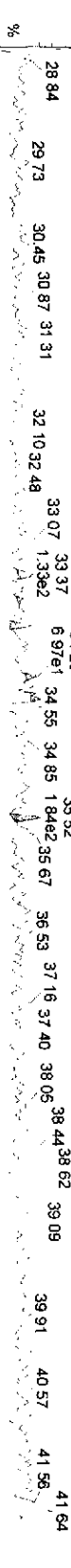
TetraPCBs

01SED09A10D5\_15 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0901B

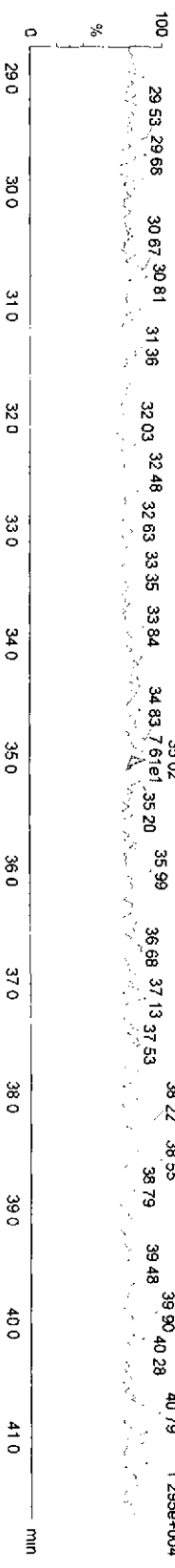


13C-TetrasPCBs

01SED09A10D5\_15 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0901B



01SED09A10D5\_15 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0901B

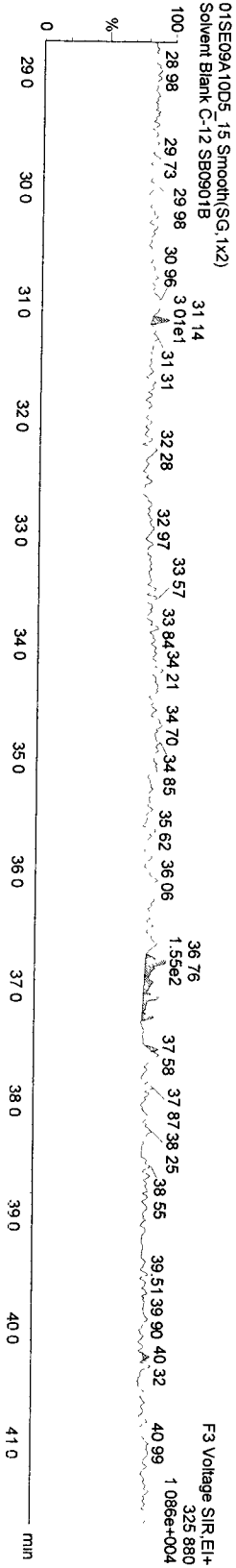
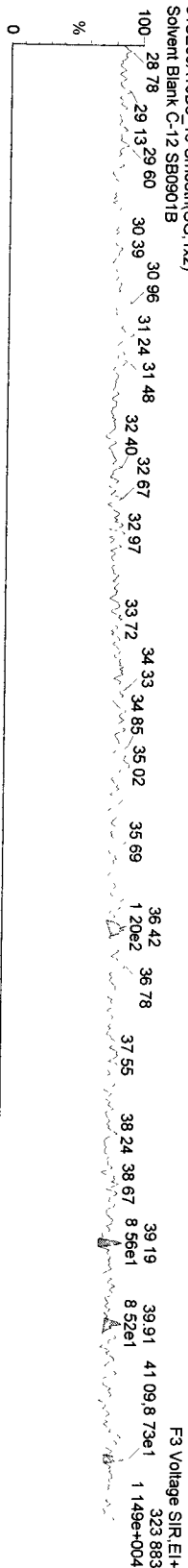


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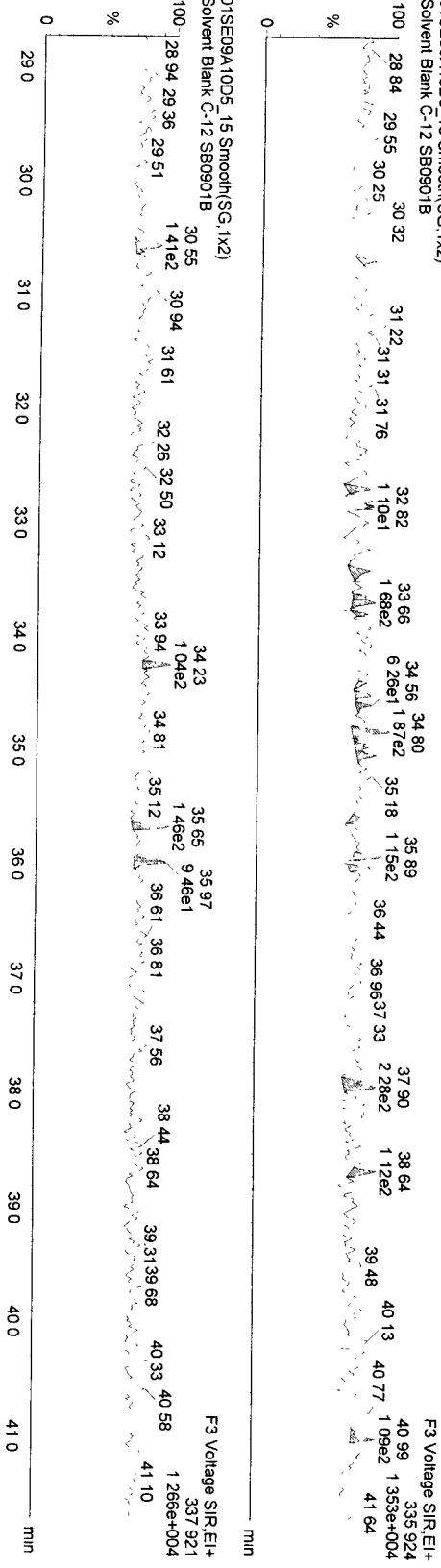
Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_15, Date: 02-Sep-2009, Time: 11:34:38, ID: SB0901B, Description: Solvent Blank C-12

**PePCBs**



**13C-PePCBs**



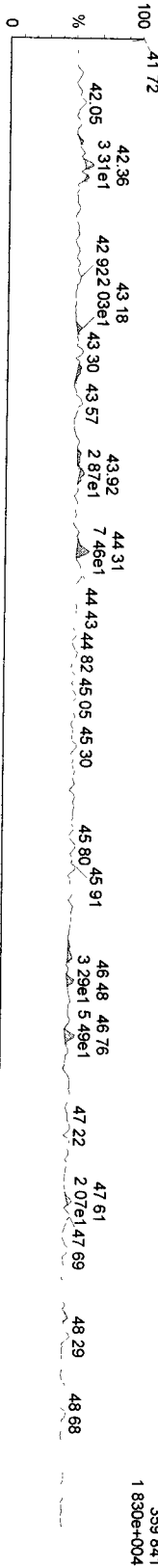
Dataset C:\MassLynx\Default.pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

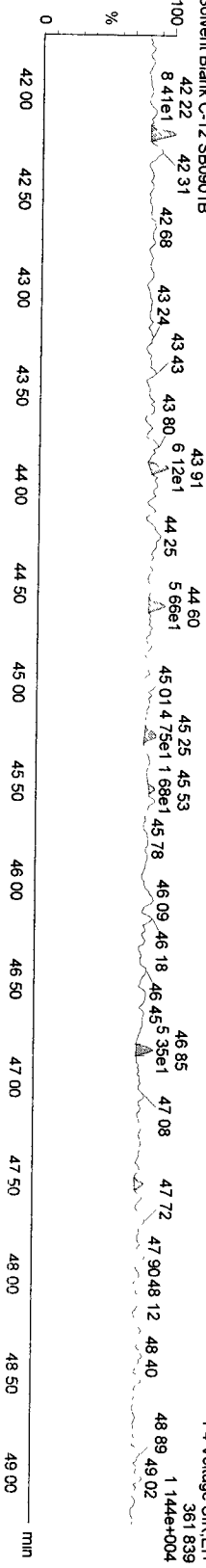
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HXPCBS-

01SE09A10D5\_15 Smooth(SG,1x2)  
Solvent Blank C-12 SB0901B

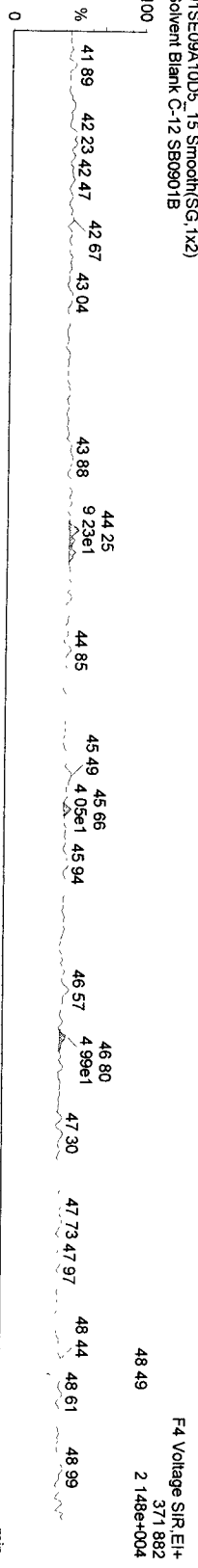


01SE09A10D5\_15 Smooth(SG,1x2)  
Solvent Blank C-12 SB0901B

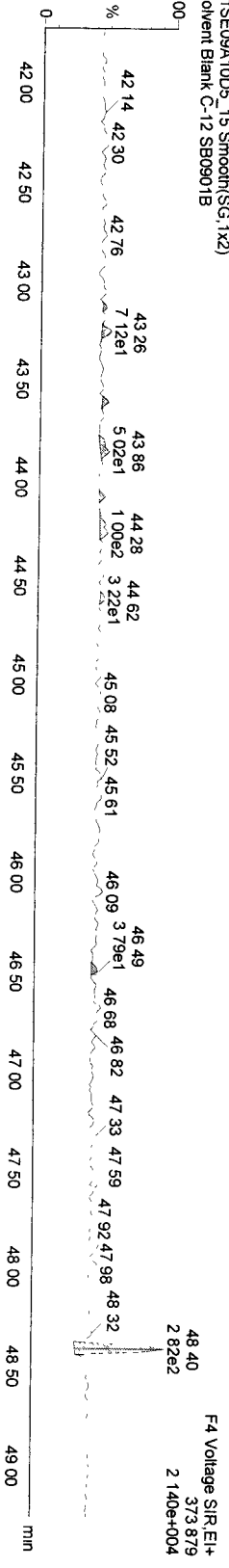


13C-HXPCBS

01SE09A10D5\_15 Smooth(SG,1x2)  
Solvent Blank C-12 SB0901B



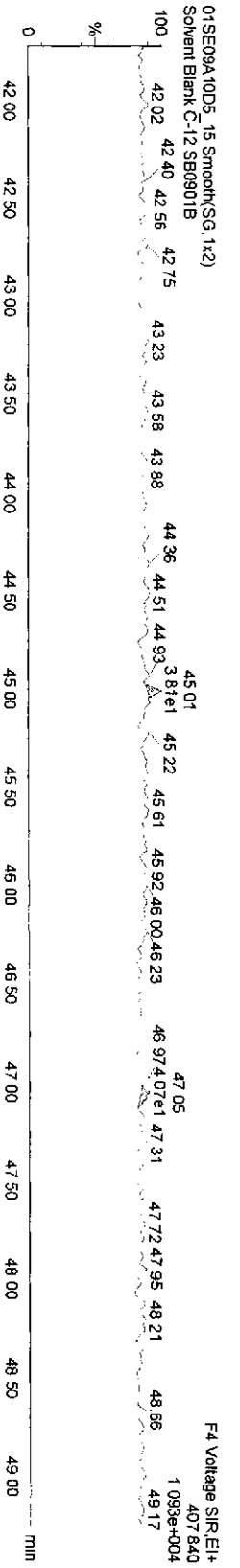
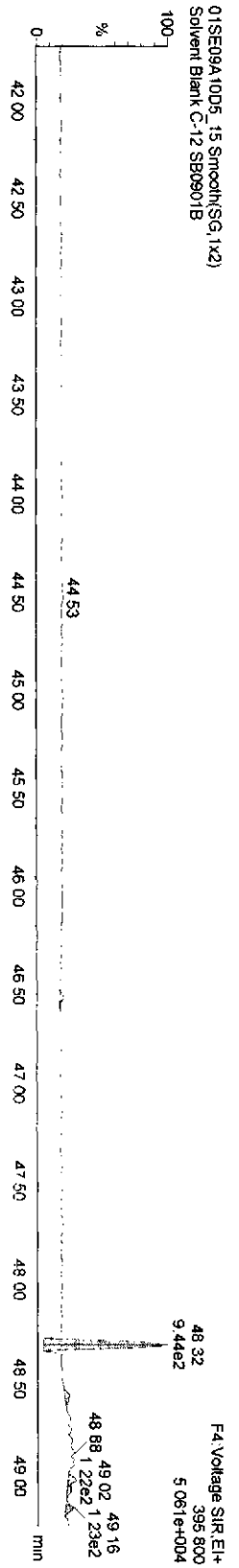
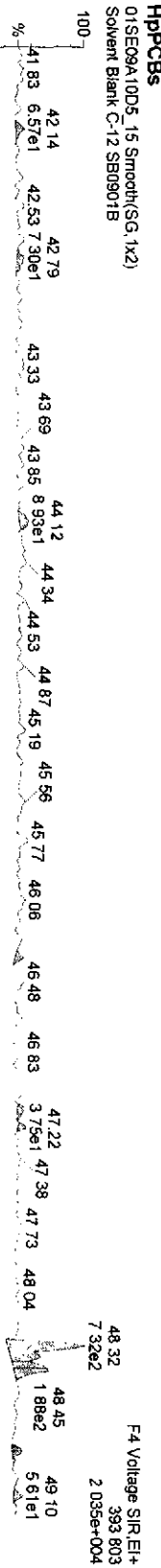
01SE09A10D5\_15 Smooth(SG,1x2)  
Solvent Blank C-12 SB0901B



Dataset: C:\Masslynx\Default pro\01SE09A10D51668MSLA.qld

Last Altered: Wednesday, September 02, 2009 10:04 29 PM Pacific Daylight Time  
Printed: Wednesday, September 02, 2009 10:07 41 PM Pacific Daylight Time

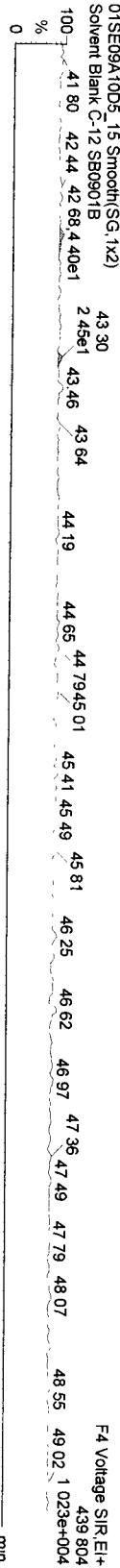
Name: 01SE09A10D5\_15, Date: 02-Sep-2009, Time: 11:34:38, ID: SB0901B, Description: Solvent Blank C-12



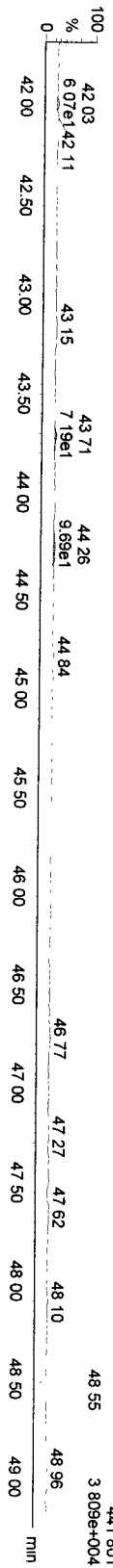
Dataset: C:\MassLynx\Default\pro\01SE09A10D51668MSLA.qld  
 Last Altered: Wednesday, September 02, 2009 10:04:29 PM Pacific Daylight Time  
 Printed: Wednesday, September 02, 2009 10:07:41 PM Pacific Daylight Time

Name: 01SE09A10D5\_15, Date: 02-Sep-2009, Time: 11:34:38, ID: SB0901B, Description: Solvent Blank C-12

13C-OcCB-202



01SE09A10D5\_15 Smooth(SG,1x2)  
 Solvent Blank C-12 SB0901B



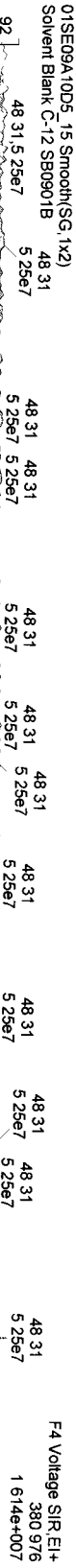
Function 3 PFK



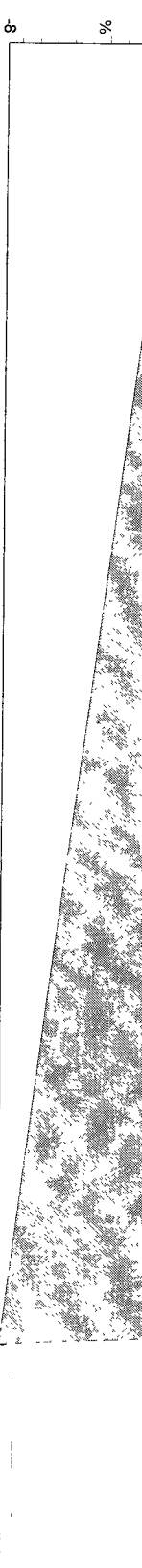
01SE09A10D5\_15 Smooth(SG,1x2)  
 Solvent Blank C-12 SB0901B



Function 4 PFK



01SE09A10D5\_15 Smooth(SG,1x2)  
 Solvent Blank C-12 SB0901B



F4 Voltage S1R.EI+ 380.976  
 1.614e+007

Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668m

Associated ICAL ICA0716200910DS1668MSL

Column ID DB-5

Instrument ID 10D5

STD ID ST0903

STD Solution 09DXN207

Analyzed by A.M.

Date Analyzed 9-03-09

Std. Pkg. By SMA

Date Std. Pkg. Assembled 9-04-09

Std. Pkg. Reviewed By M.G.

Date Std. Pkg. Reviewed 9/4/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits? <sup>*</sup>	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley $\leq$ method specified limits? <sup>**</sup>	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS:

\* Method 1668A(PCBs):  $\pm 30\%$  from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and  $\pm 50\%$  for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the  $\pm 30\%$  limit, this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have  $\pm 40\%$  limit

Method 1614 (DBDs/DBFs):  $\pm 30\%$  from curve RRFs for native analytes and  $\pm 50\%$  from curve RRFs for labeled compounds (Note: BDE-209 is  $+200\%$  to  $-50\%$ , 13C-BDE-209 is  $+200\%$  to  $-75\%$  and 13C-BDE-139 is  $\pm 30\%$ ).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution)

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Dataset: Untitled

Last Altered: Friday, September 04, 2009 10:18:59 Pacific Daylight Time

Printed: Friday, September 04, 2009 10:26:37 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 29 Aug 2009 08:26:41

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Name: 03SE09A10D5\_1, Date: 03-Sep-2009, Time: 19:27:45, ID: ST0903, Description: CS-3 09DXN207

#	Name	Response	RT	RRF M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D...
1	13C-PeCB-101	360671	32.35	1.00000	1.00000	100.00	0.0	100.0	0.632	NO	
2											
3	13C-TeCB-81	353645	34.24	1.03984	0.98052	94.30	-5.7	94.3	0.768	NO	
4	TeCB-81	278635	34.26	1.45839	1.57579	54.02	8.0	108.0	0.762	NO	
5	13C-TeCB-77	360905	34.95	1.10430	1.00065	90.61	-9.4	90.6	0.816	NO	
6	TeCB-77	247303	34.96	1.27061	1.37046	53.93	7.9	107.9	0.754	NO	
7											
8	13C-PeCB-123	319704	36.61	0.99324	0.88641	89.24	-10.8	89.2	0.628	NO	
9	PeCB-123	252299	36.64	1.50539	1.57833	52.42	4.8	104.8	0.614	NO	
10	13C-PeCB-118	340251	36.78	1.02407	0.94338	92.12	-7.9	92.1	0.614	NO	
11	PeCB-118/106	272779	36.81	1.52536	1.60340	52.56	5.1	105.1	0.618	NO	
12	13C-PeCB-114	337115	37.56	1.03691	0.93469	90.14	-9.9	90.1	0.637	NO	
13	PeCB-114	284312	37.60	1.58603	1.68674	53.17	6.3	106.3	0.625	NO	
14	13C-PeCB-105	319209	38.64	0.98151	0.88504	90.17	-9.8	90.2	0.631	NO	
15	PeCB-105/127	232409	38.65	1.43326	1.45615	50.80	1.6	101.6	0.623	NO	
16	13C-PeCB-126	328405	40.95	1.02999	0.91054	88.40	-11.6	88.4	0.632	NO	
17	PeCB-126	201082	40.97	1.15582	1.22460	52.98	6.0	106.0	0.627	NO	
18											
19	13C-OcCB-202	374948	43.75	1.00000	1.00000	100.00	0.0	100.0	0.905	NO	
20											
21	13C-HxCB-167	421519	42.31	1.00247	1.12421	112.14	12.1	112.1	1.292	NO	
22	HxCB-167	272012	42.33	1.34796	1.29063	47.87	-4.3	95.7	1.287	NO	
23	13C-HxCB-156	338201	43.89	0.78510	0.90199	114.89	14.9	114.9	1.279	NO	
24	HxCB-156	293949	43.91	1.68840	1.73831	51.48	3.0	103.0	1.231	NO	
25	13C-HxCB-157	357108	44.28	0.83526	0.95242	114.03	14.0	114.0	1.276	NO	
26	HxCB-157	307559	44.29	1.65965	1.72250	51.89	3.8	103.8	1.219	NO	
27	13C-HxCB-169	395897	46.49	0.87128	1.05587	121.19	21.2	121.2	1.308	NO	
28	HxCB-169	223140	46.51	1.09832	1.12726	51.32	2.6	102.6	1.245	NO	
29											
30	13C-HpCB-180	292445	45.05	0.68403	0.77996	114.02	14.0	114.0	1.020	NO	
31	HpCB-180	194196	45.08	1.30035	1.32809	51.07	2.1	102.1	1.037	NO	
32	13C-HpCB-170	245401	47.07	0.54773	0.65449	119.49	19.5	119.5	1.056	NO	
33	HpCB-170	204998	47.08	1.61501	1.67072	51.72	3.4	103.4	1.040	NO	
34	13C-HpCB-189	323721	48.88	0.69767	0.86338	123.75	23.8	123.8	1.045	NO	
35	HpCB-189	200672	48.91	1.23073	1.23979	50.37	0.7	100.7	1.042	NO	
36											
37	13C-PeCB-111	452872	34.11	1.30475	1.37677	105.52	5.5	105.5	0.631	NO	
38											
39	Function 3 PFK										
40	Function 4 PFK										



Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\03SE09A10D5.SPL  
 Last Modified: Thursday, September 03, 2009 19:33:52 Pacific Daylight Time  
 Printed: Thursday, September 03, 2009 19:33:59 Pacific Daylight Time

Page 1 of 3

Page Position (1, 1)

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul	
1	03SE09A10D5_1	CS-3 09DXN207	ST0903	---	---	1.000000	---	1.00
2	03SE09A10D5_2	Solvent Blank C-12	SB0903	---	---	1.000000	---	1.00
3	03SE09A10D5_3	G9H050321-6RX	LHKP9-2-AC	1668/Solid	28	10.080000	g	20
4	03SE09A10D5_4	G9H050321-7RX ✓	LHKQD-2-AC	1668/Solid	---	10.070000	g	20
5	03SE09A10D5_5	F9H250171-2MB	LJ38D-1-AAB	1668/Solid	30	10.000000	g	20
6	03SE09A10D5_6	F9H250171-2LCS	LJ38D-1-ACC	1668/Solid	---	10.000000	g	20
7	03SE09A10D5_7	F9H250171-2	LJPKX-1-C1	1668/Solid	---	10.230000	g	20
8	03SE09A10D5_8	F9H260207-1	LJRVV-1-C0	1668/Solid	---	10.150000	g	20
9	03SE09A10D5_9	F9H260207-4	LJROW-1-CA	1668/Solid	---	10.345000	g	20
10	03SE09A10D5_10	F9H260207-4MS	LJROW-1-E8S	1668/Solid	---	10.450000	g	20
11	03SE09A10D5_11	F9H260207-4SD	LJROW-1-E9D	1668/Solid	---	10.350000	g	20
12	03SE09A10D5_12	F9H260207-7	LJR1G-1-CA	1668/Solid	---	10.150000	g	20
13	03SE09A10D5_13	F9H260207-9	LJR1L-1-CA	1668/Solid	---	10.225000	g	20
14	03SE09A10D5_14	Solvent Blank C-12	SB0903A	---	---	1.000000	---	1.00
15	03SE09A10D5_15	CS-3 09DXN207	ST0903A	---	---	1.000000	---	1.00
16	03SE09A10D5_16	PCB209 09DXN229	ST0903B	---	---	1.000000	---	1.00
17	03SE09A10D5_17	Solvent Blank C-12	SB0903B	---	---	1.000000	---	1.00
18	03SE09A10D5_18	G9H010134-1MB	LJ6EH-1-AAB	1668/Solid	31	1.000000	g	20
19	03SE09A10D5_19	G9H010134-1LCS	LJ6EH-1-ACC	1668/Solid	---	1.000000	g	20
20	03SE09A10D5_20	G9H010134-1	LHELT-1-AC	1668/Solid	---	1.050000	g	20
21	03SE09A10D5_21	Solvent Blank C-12	SB0903C	---	---	1.000000	---	1.00

Filament burn out

Log file checked  
 9-04-09  
 SMA

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default pro\Sampledb\03SE09A10D5.SPL  
 Last Modified: Thursday, September 03, 2009 19:33:52 Pacific Daylight Time  
 Printed: Thursday, September 03, 2009 19:33:59 Pacific Daylight Time

Page 2 of 3

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:2	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:3	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:4	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:5	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:6	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	2000	4000	2000	2000
Tray1:7	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:8	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:10	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:11	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:15	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:16	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:17	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:18	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	AM 09-03-09	1668M10D5	1668M10D5	---	---	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\03SE09A10D5.SPL  
Last Modified: Thursday, September 03, 2009 19:33:52 Pacific Daylight Time  
Printed: Thursday, September 03, 2009 19:33:59 Pacific Daylight Time

Page 3 of 3

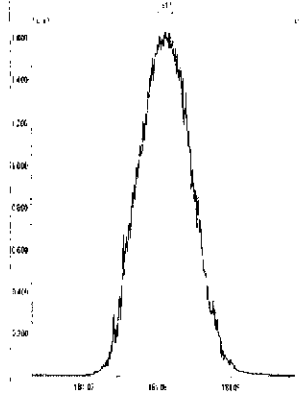
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Conc E	Conc F	Conc G	Conc H	Task
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2000	---	---	---	---
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2000	---	---	---	---
2000	---	---	---	---
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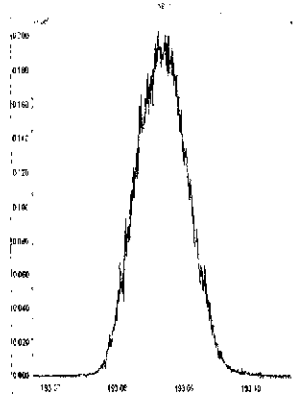
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Printed: Thursday, September 03, 2009 19:20:48 Pacific Daylight Time

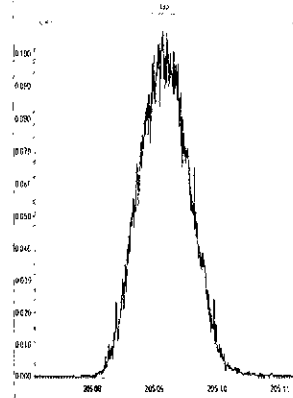
M 180.9888 R 11684



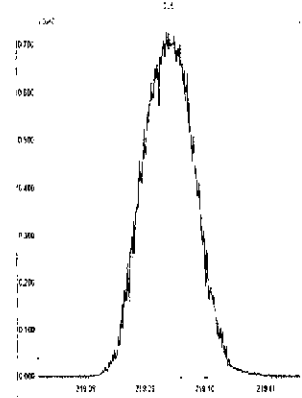
M 192.9888 R 10916



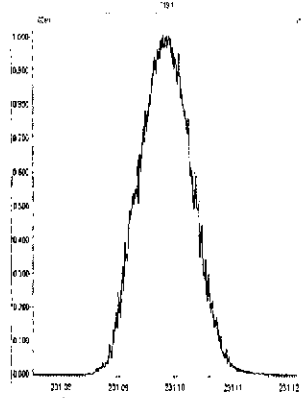
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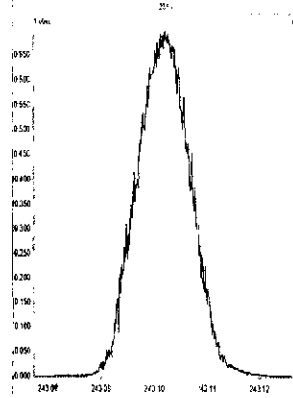
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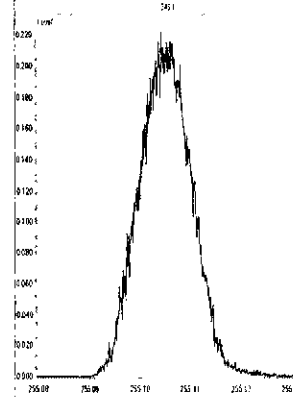
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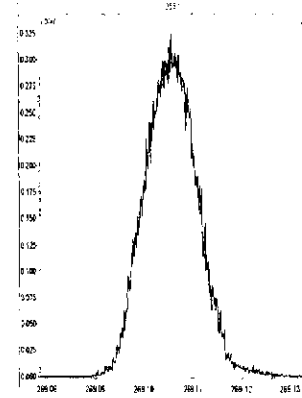
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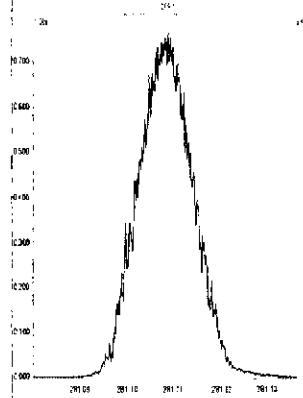
M 254.9856 R 11466



M 268.9824 R 11413



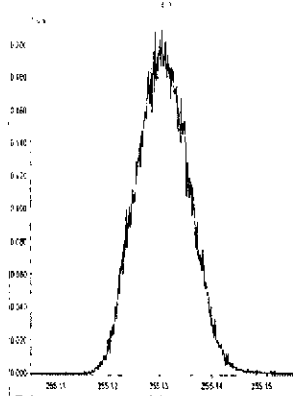
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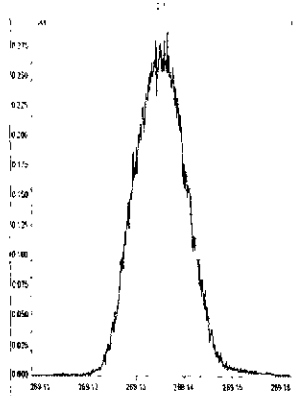
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Printed: Thursday, September 03, 2009 19:21:31 Pacific Daylight Time

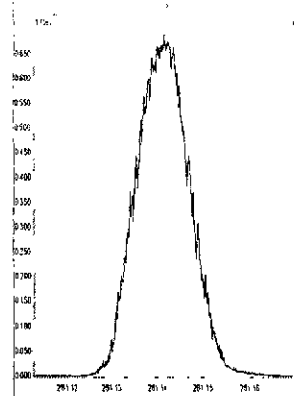
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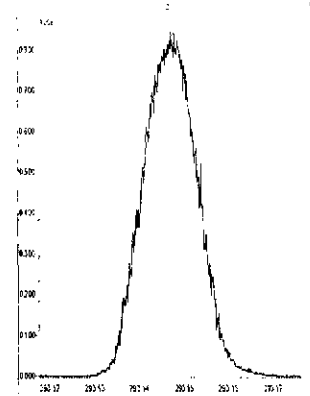
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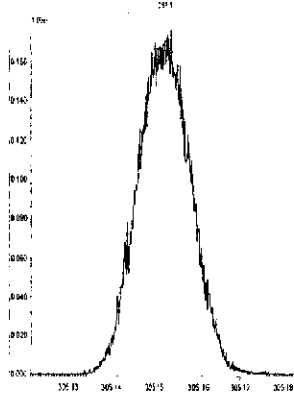
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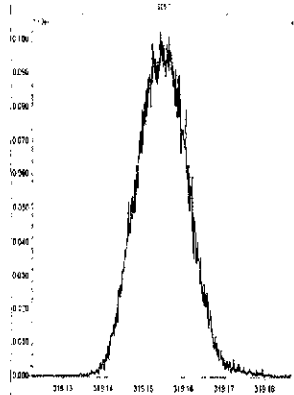
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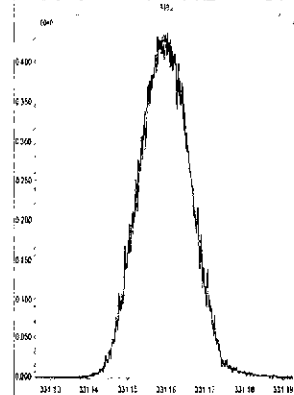
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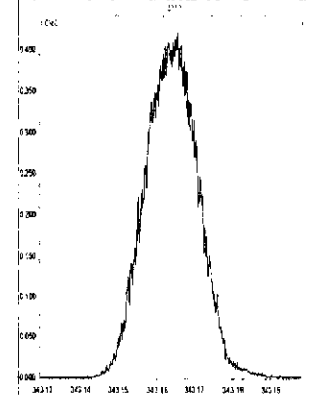
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M 330.9792 R 11313



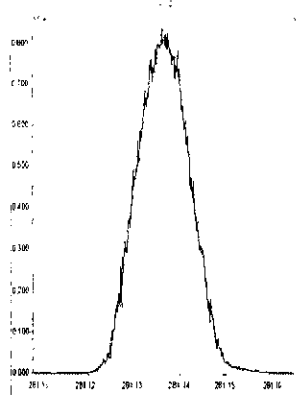
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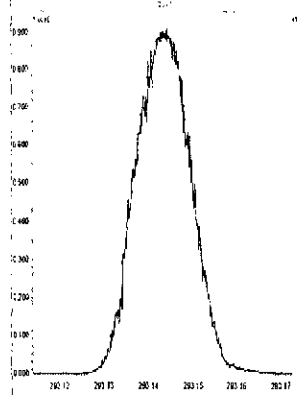
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Printed: Thursday, September 03, 2009 19:24:19 Pacific Daylight Time

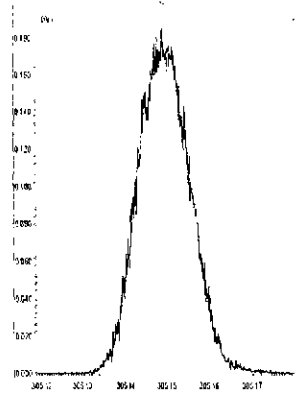
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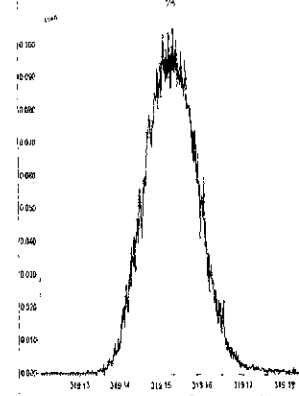
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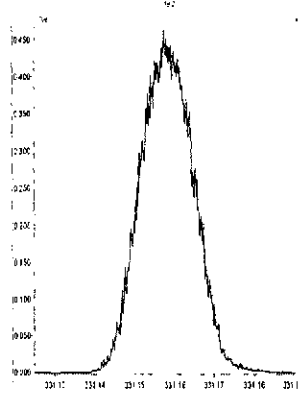
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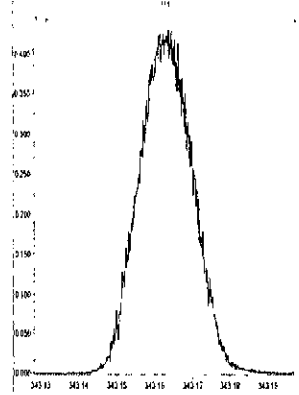
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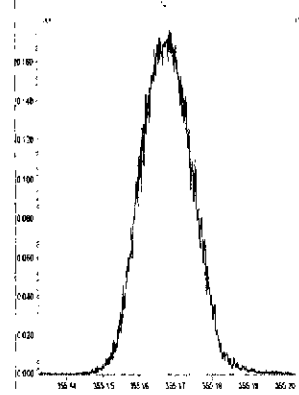
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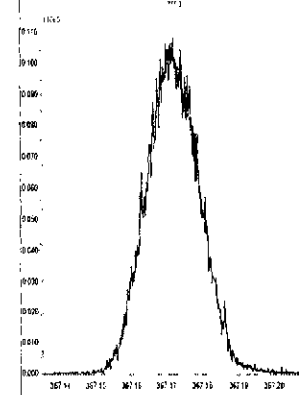
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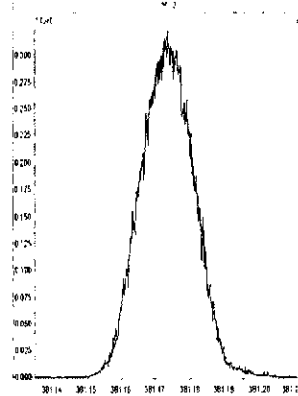
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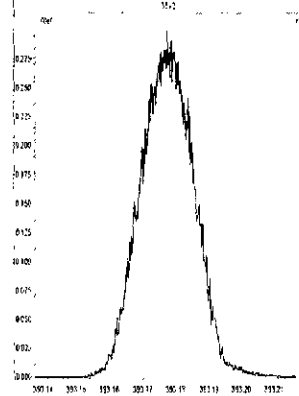
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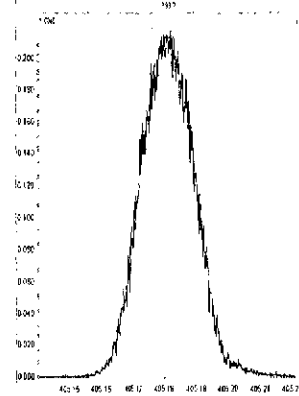
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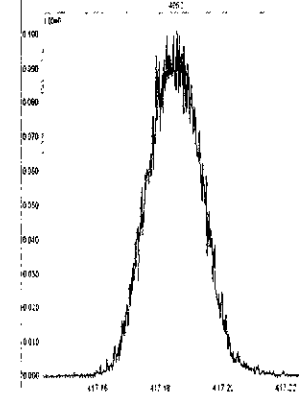
M 392.9760 R 11016



M 404.9760 R 11361



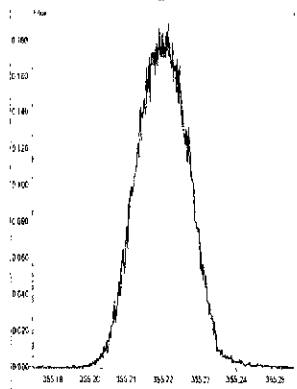
M 416.9760 R 11160



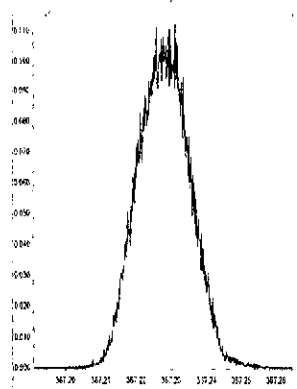
File: Experiment. 1668M10D5.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed Thursday, September 03, 2009 19:25:18 Pacific Daylight Time

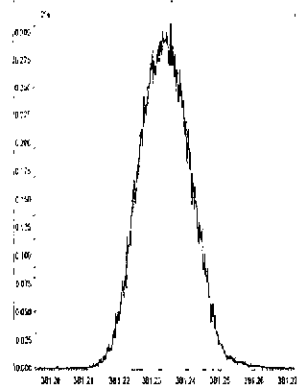
M 354.9792 R 11848



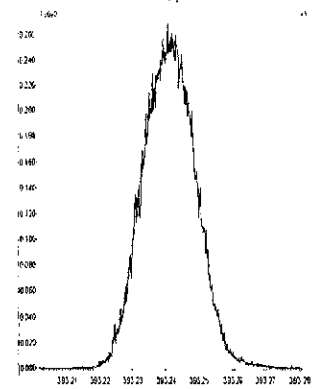
M 366.9792 R 11060



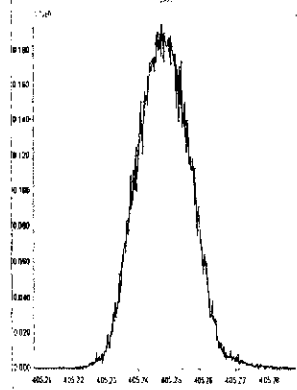
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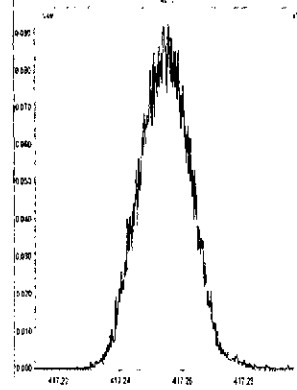
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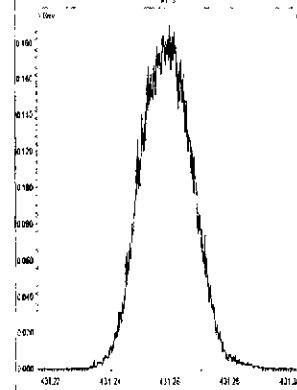
M 404.9760 R 11061



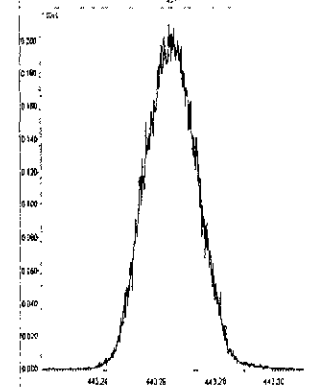
M 416.9760 R 11208



M 430.9728 R 10918



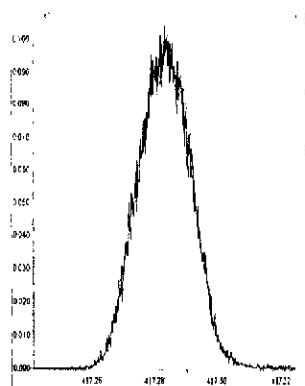
M 442.9728 R 11160



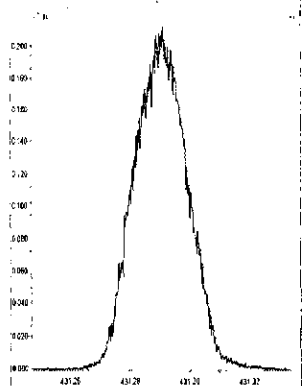
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Printed: Thursday, September 03, 2009 19:26:20 Pacific Daylight Time

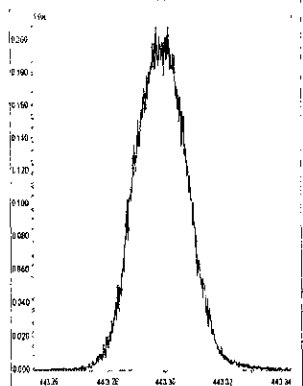
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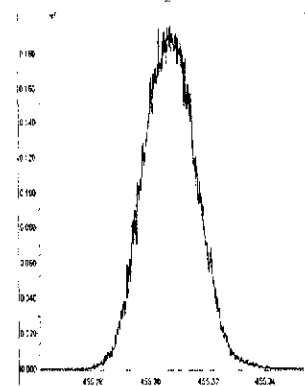
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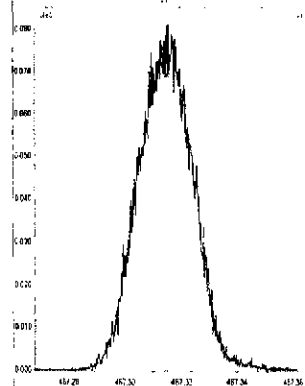
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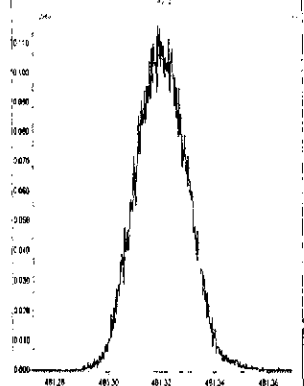
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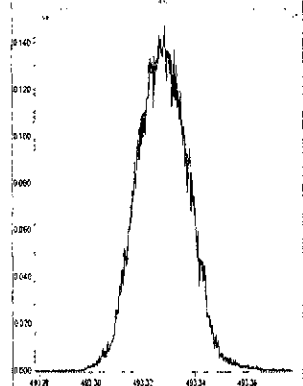
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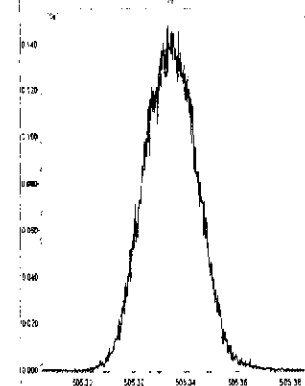
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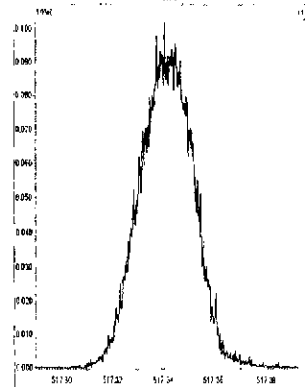
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M 504.9696 R 10868



M 516.9697 R 11417

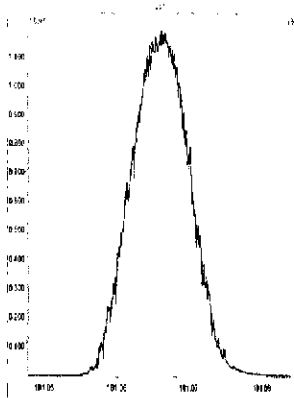




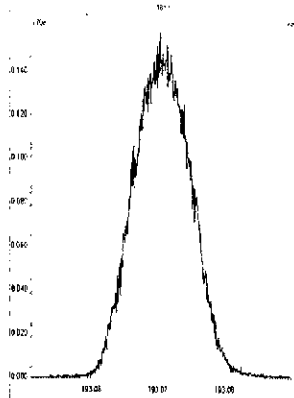
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Printed: Friday, September 04, 2009 10:10:17 Pacific Daylight Time

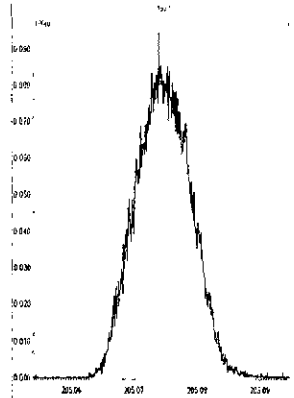
M 180.9888 R 10205



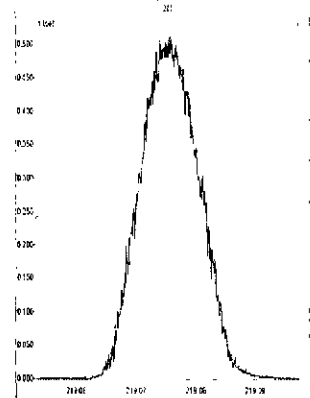
M 192.9888 R 10286



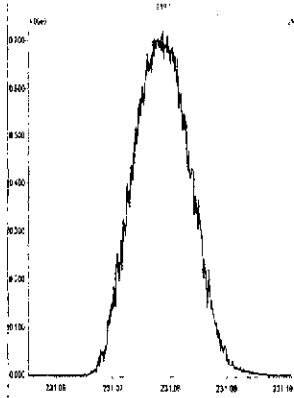
M 204.9888 R 10638



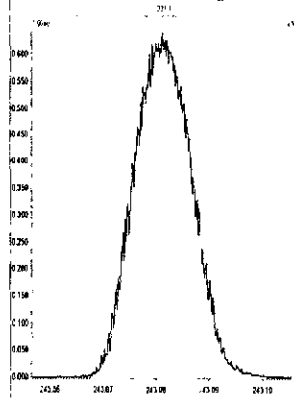
M 218.9856 R 10685



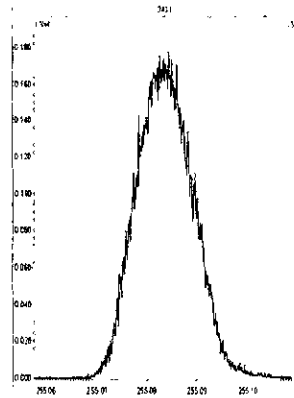
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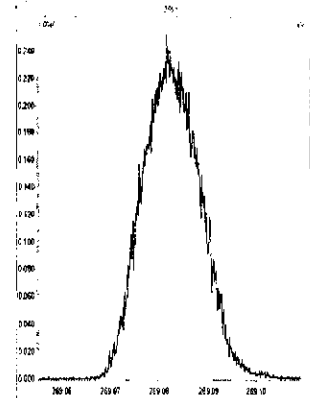
M 242.9856 R 10417



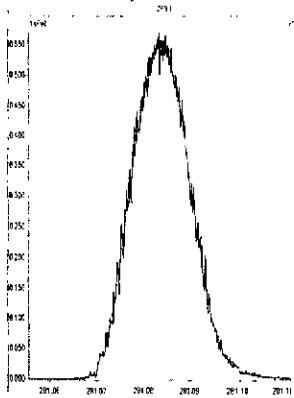
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M 268.9824 R 10501



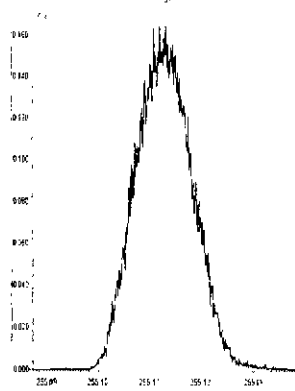
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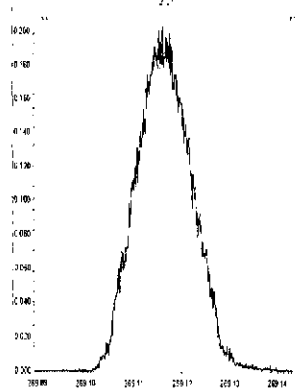
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Printed: Friday, September 04, 2009 10:13:27 Pacific Daylight Time

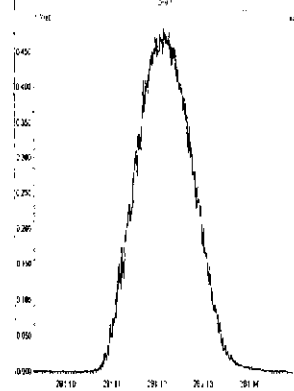
M 254.9856 R 10551



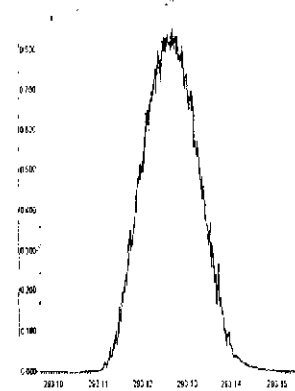
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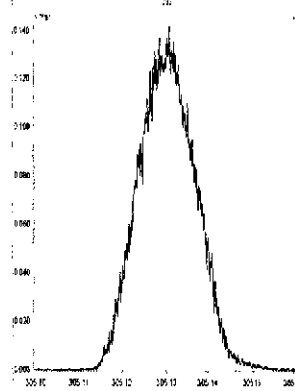
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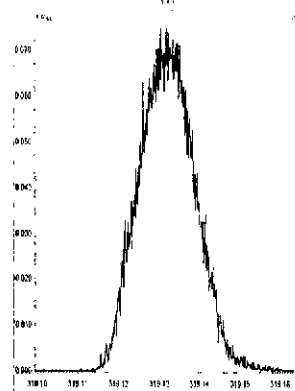
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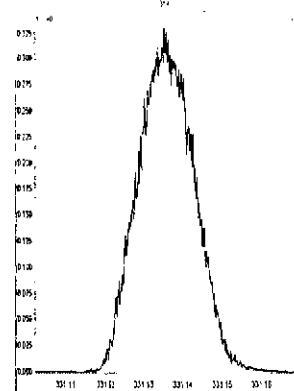
M 304.9824 R 10502



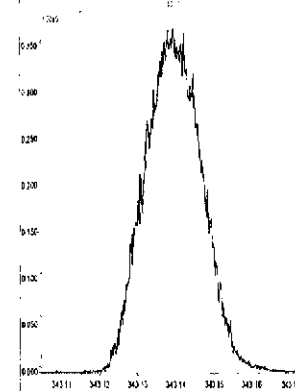
M 318.9792 R 10732



M 330.9792 R 10684



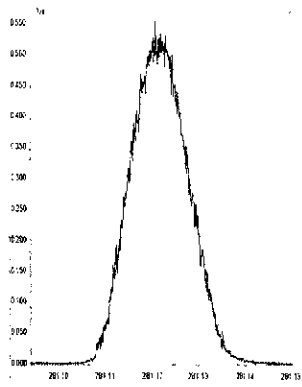
M 342.9792 R 10334



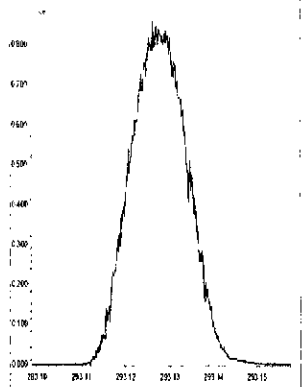
File: Experiment 1668M10D5.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, September 04, 2009 10:14:01 Pacific Daylight Time

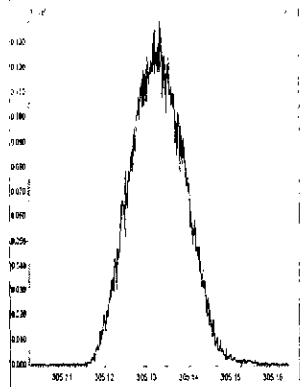
M 280.9824 R 10913



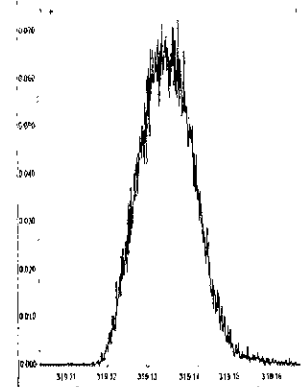
M 292.9824 R 10593



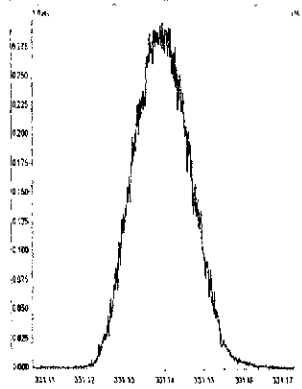
M 304.9824 R 10415



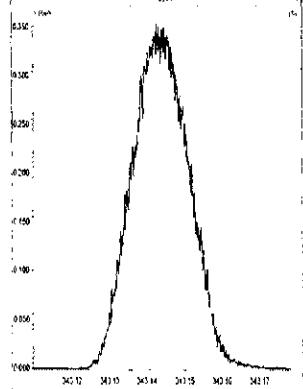
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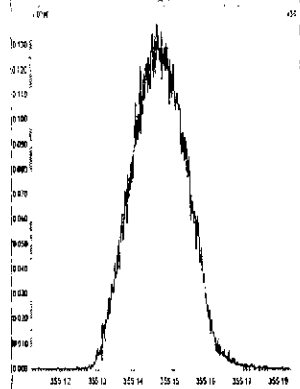
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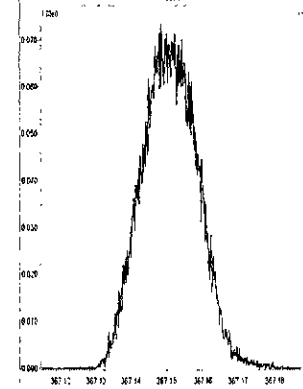
M 342.9792 R 10415



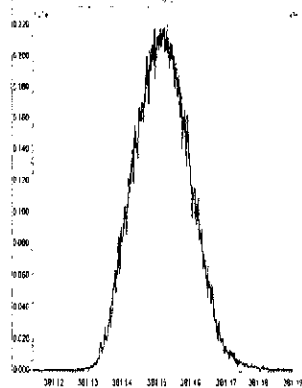
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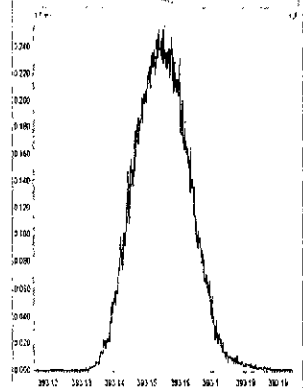
M 366.9792 R 10680



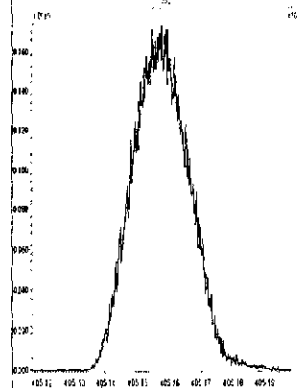
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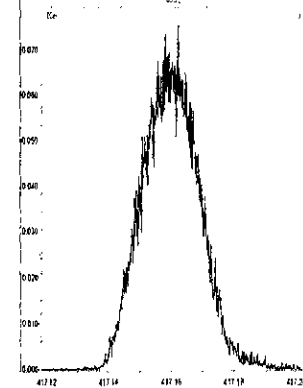
M 392.9760 R 10290



M 404.9760 R 10501



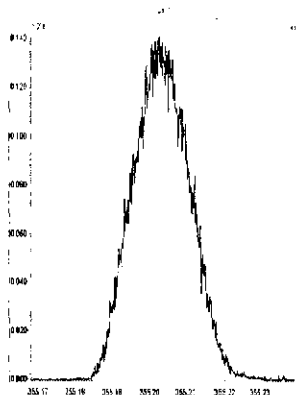
M 416.9760 R 11114



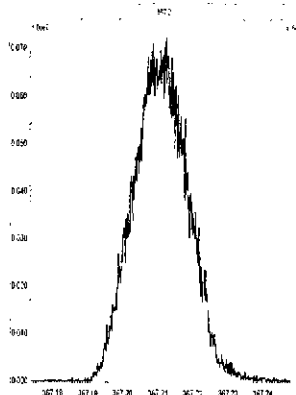
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Printed: Friday, September 04, 2009 10:14:39 Pacific Daylight Time

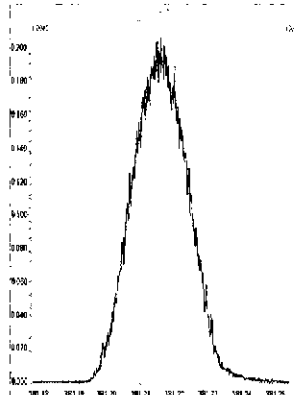
M 354.9792 R 10637



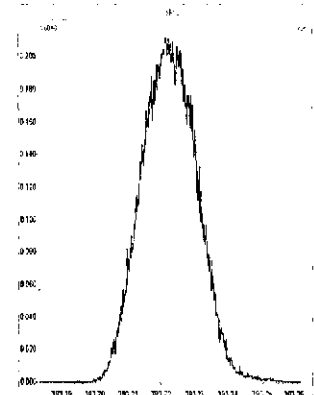
M 366.9792 R 10962



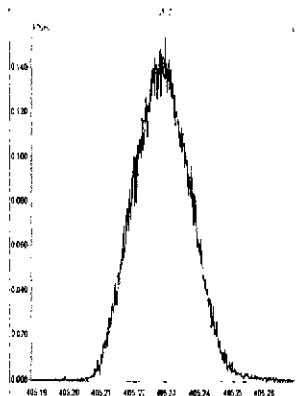
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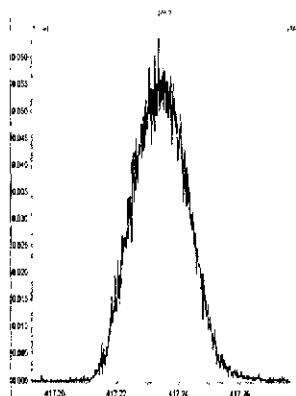
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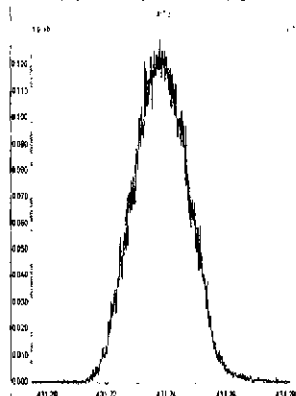
M 404.9760 R 10592



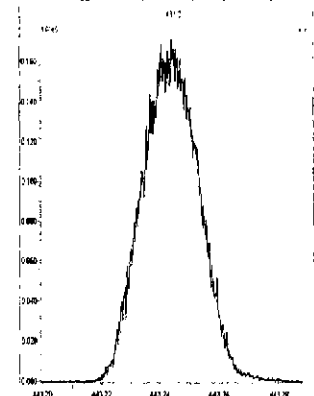
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M 430.9728 R 10331



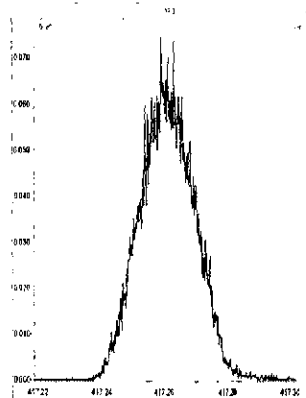
M 442.9728 R 10775



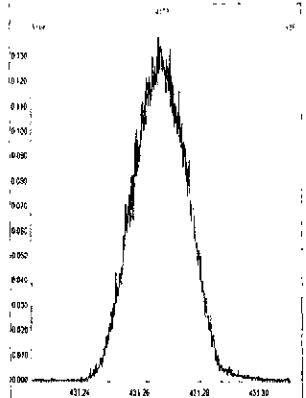
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Printed: Friday, September 04, 2009 10:15:16 Pacific Daylight Time

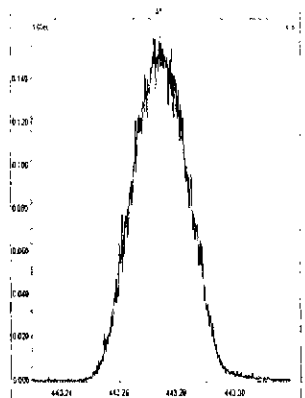
M 416.9760 R 10919



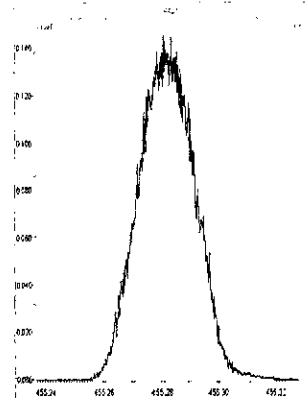
M 430.9728 R 11208



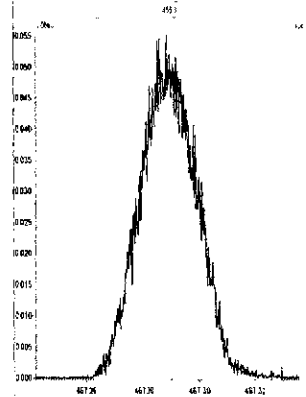
M 442.9728 R 10822



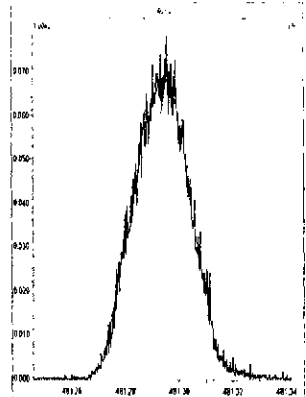
M 454.9728 R 10462



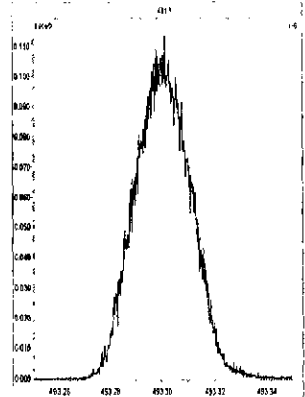
M 466.9728 R 10918



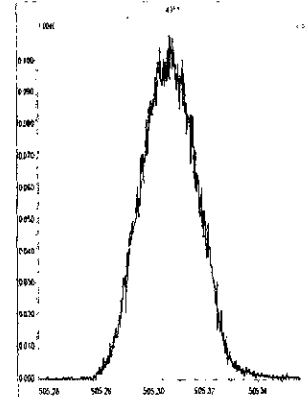
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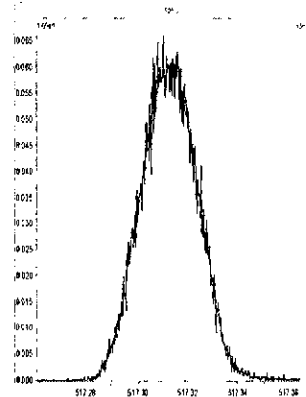
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M 504.9696 R 11063



M 516.9697 R 10461



CS-3 09DXN207

03SE09A10D5\_1

100

36.64

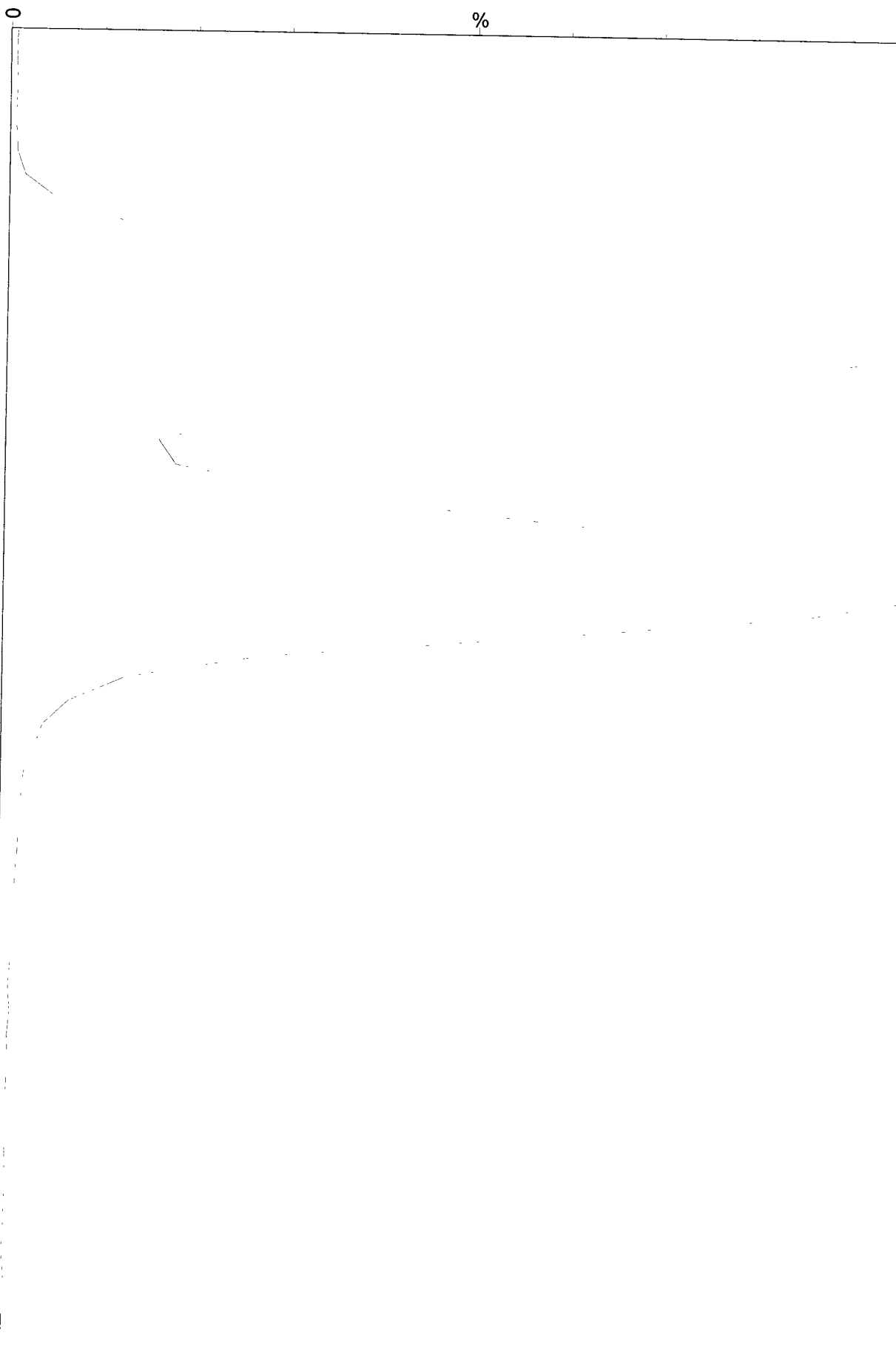
36.81

3: Voltage SIR 17 Channels EI+

325.8804

1.74e6

%



36.50

36.60

36.70

36.80

36.90

37.00

37.10

37.20

37.30

Time

Dataset: Untitled

Last Altered: Friday, September 04, 2009 10:18:59 Pacific Daylight Time

Printed: Friday, September 04, 2009 10:26:53 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 29 Aug 2009 08:26:41

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

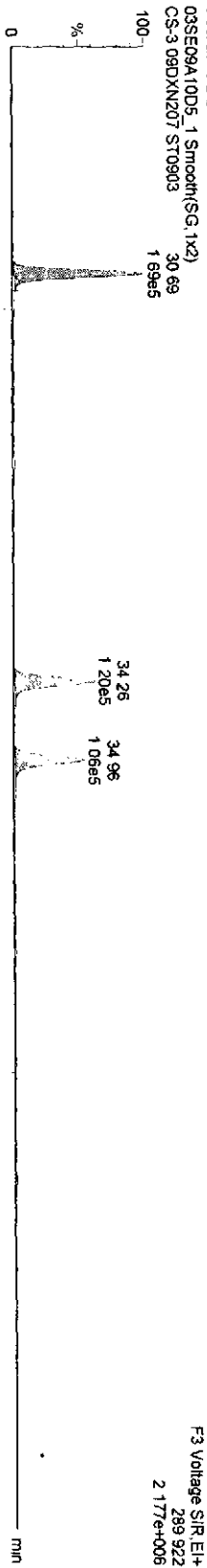
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2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

Dataset: C:\MassLynx\Default\proj\03SE09A10D51668MSL.qld

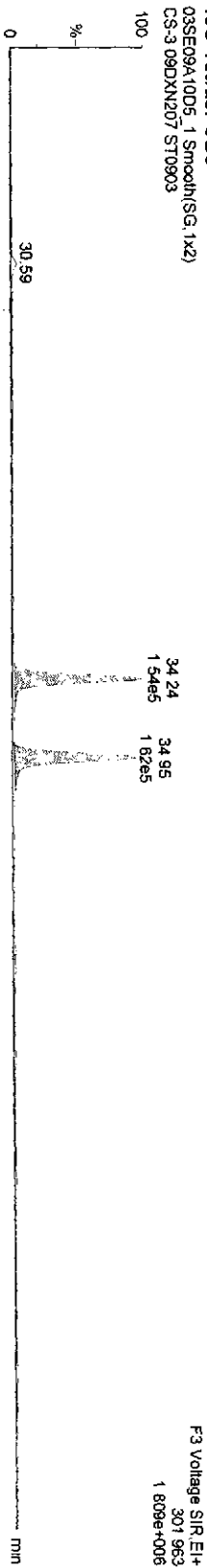
Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_1, Date: 03-Sep-2009, Time: 19:27:45, ID: ST0903, Description: CS-3 09DXN207

**TetraPCBs**



**13C-TetrappCBs**



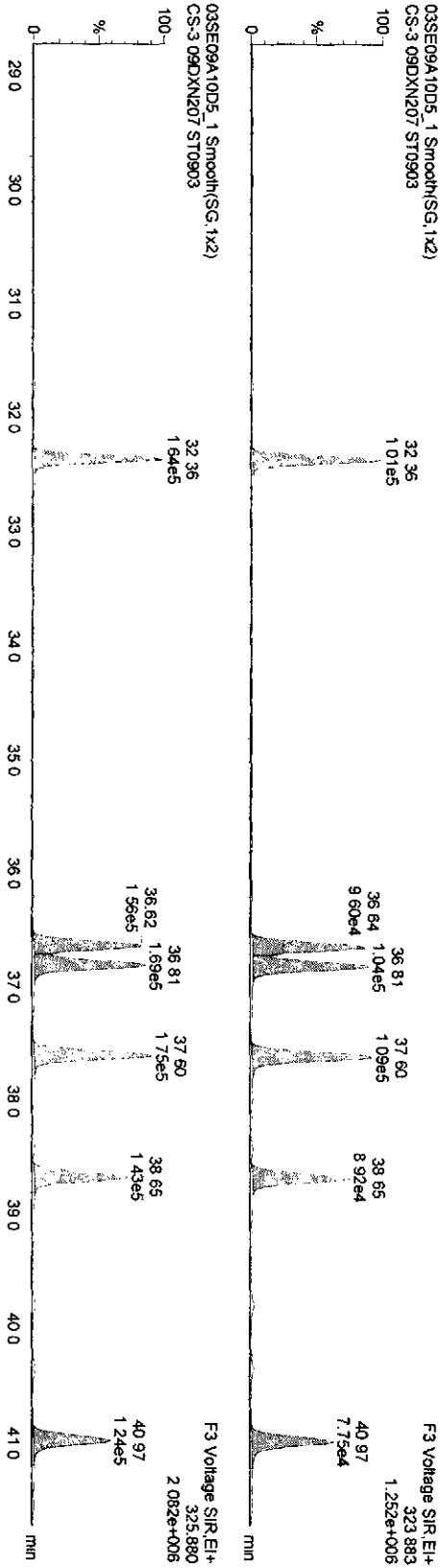


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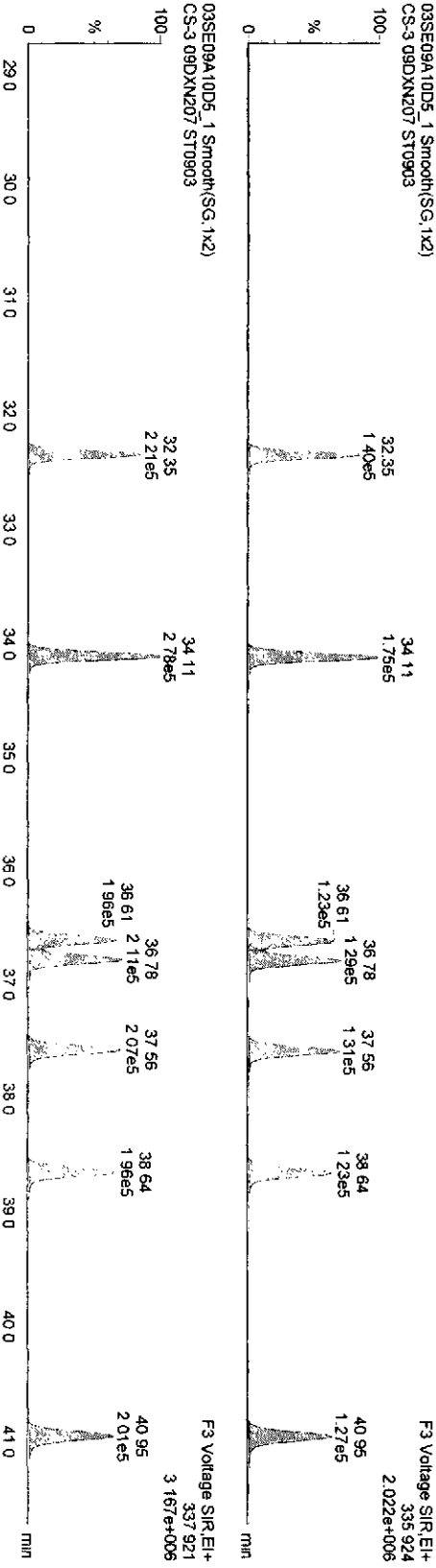
Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_1, Date: 03-Sep-2009, Time: 19:27:45, ID: ST0903, Description: CS-3 09DXN207

**PePCBs**



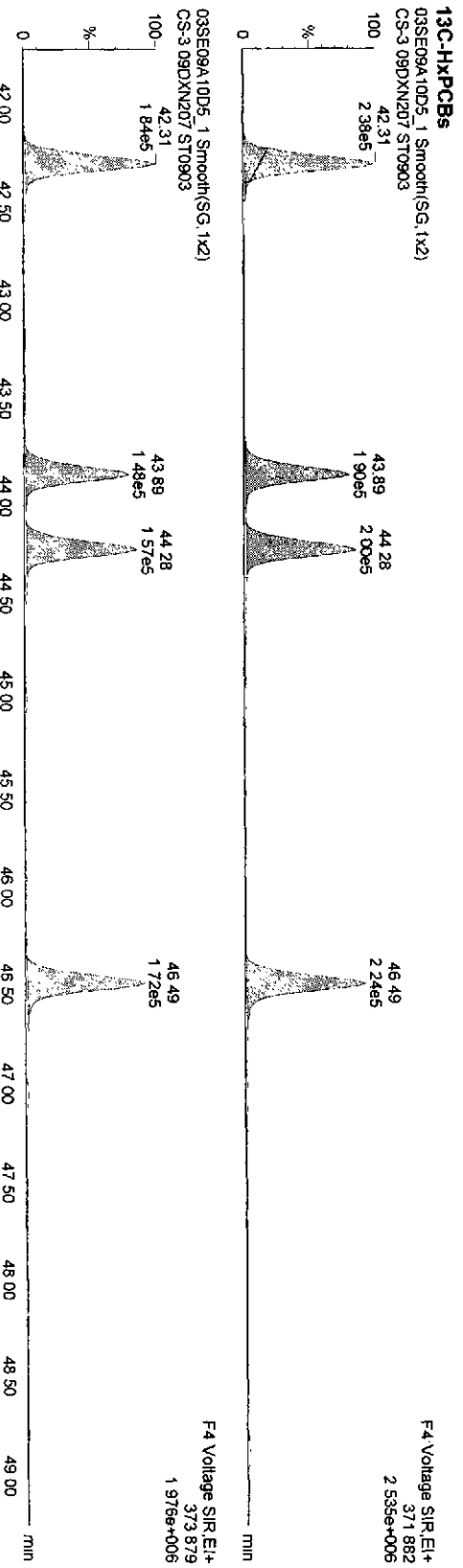
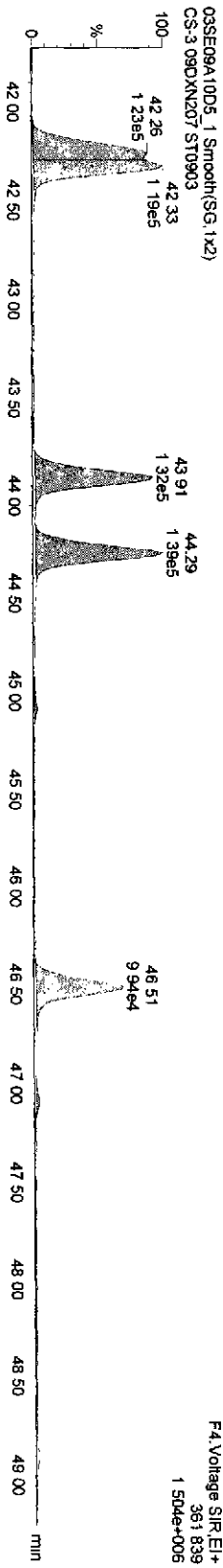
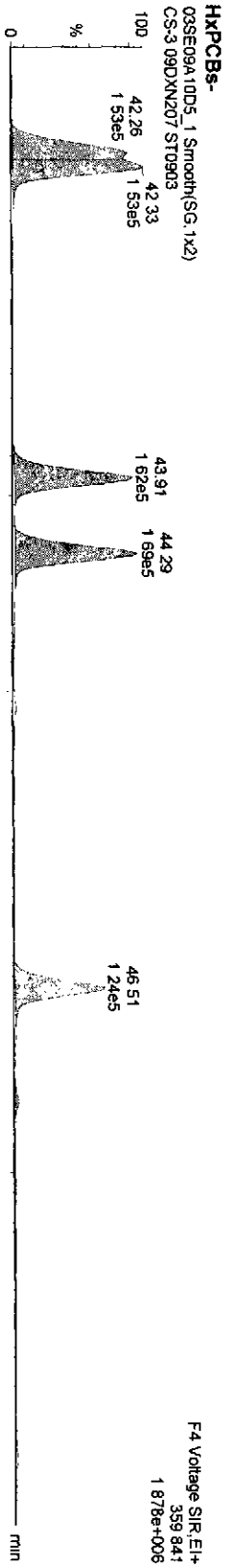
**13C-PePCBs**



Dataset: C:\MassLynx\Default.pro\03SE09A10D51668MSL.qld

Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_1, Date: 03-Sep-2009, Time: 19:27:45, ID: ST0903, Description: CS-3-09DXN207

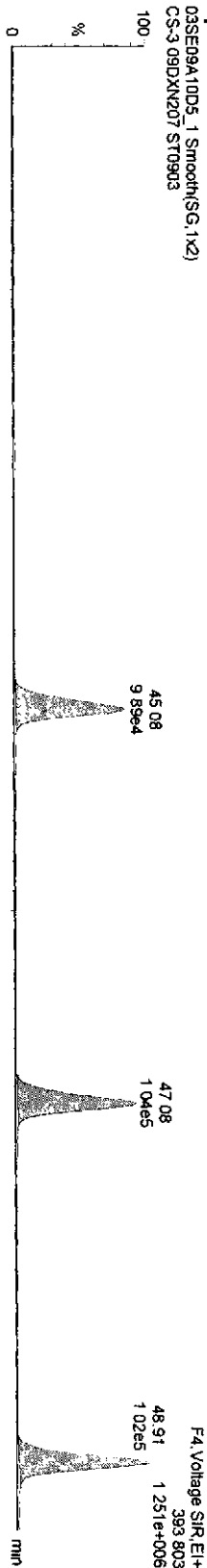


Dataset: C:\MassLynx\Default.pro\03SE09A10D51668MSL.qld

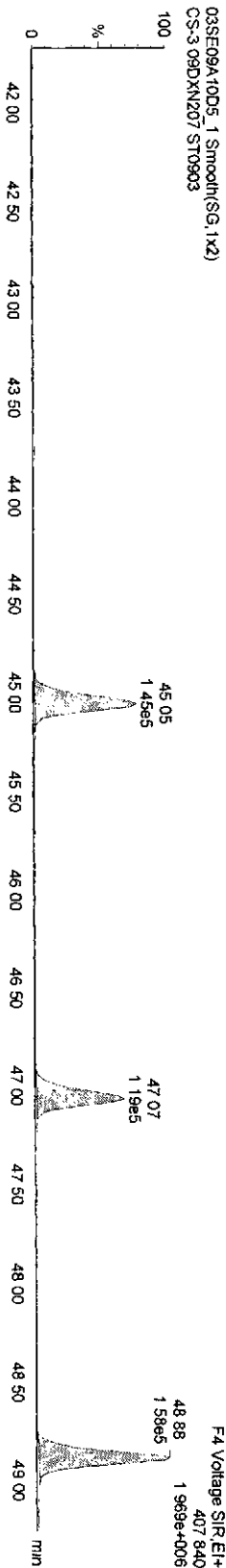
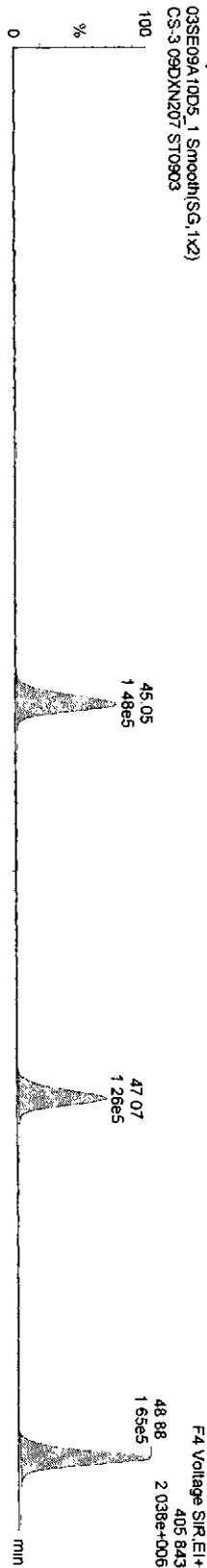
Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
 Printed: Friday, September 04, 2009 08:27:59 Pacific Daylight Time

Name: 03SE09A10D5\_1, Date: 03-Sep-2009, Time: 19:27:45, ID: ST0903, Description: CS-3 09DXN207

**HPpCBs**



**13C-HPpCBs**



Dataset: C:\MassLynx\Default\pro\03SE09A10D51668MSL.qld

Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_1, Date: 03-Sep-2009, Time: 19:27:45, ID: ST0903, Description: CS-3 09DXN207

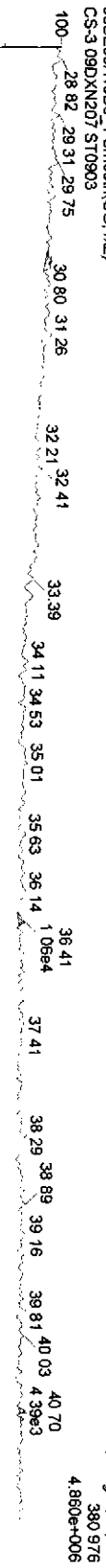
13C-OcCB-202

03SE09A10D5\_1.Smooth(SG,1x2)  
CS-3 09DXN207 ST0903



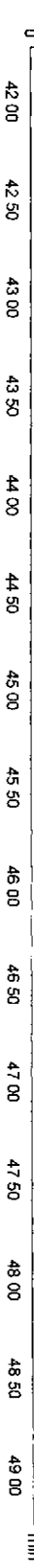
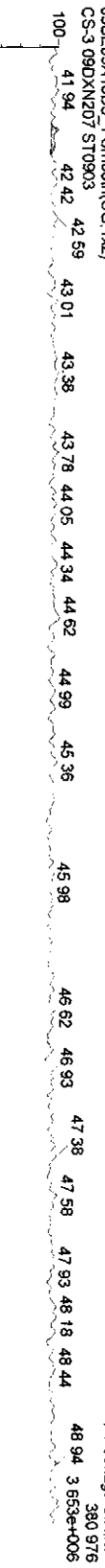
Function 3 PFK

03SE09A10D5\_1.Smooth(SG,1x2)  
CS-3 09DXN207 ST0903



Function 4 PFK

03SE09A10D5\_1.Smooth(SG,1x2)  
CS-3 09DXN207 ST0903

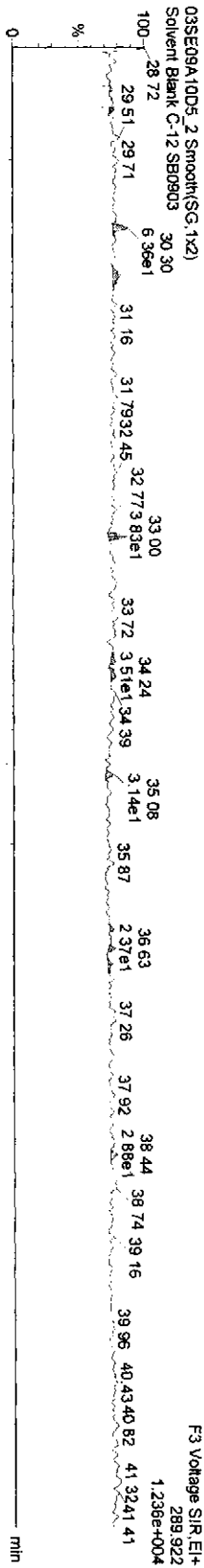


Dataset: C:\Masslynx\Default\proj\03SE09A10D5\1668MSL.qld

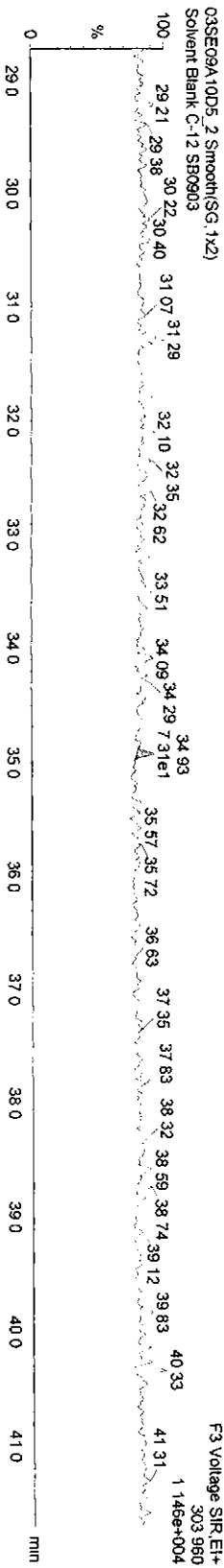
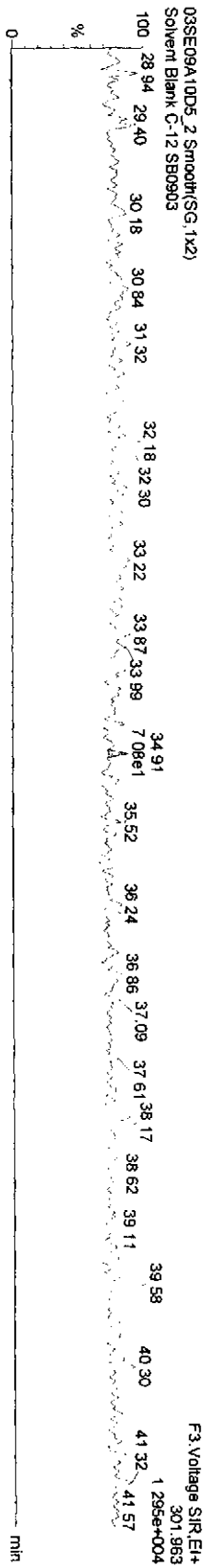
Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_2, Date: 03-Sep-2009, Time: 20:43:32, ID: SB0903, Description: Solvent Blank C-12

**TetraPCBs**



**13C-TetrasPCBs**



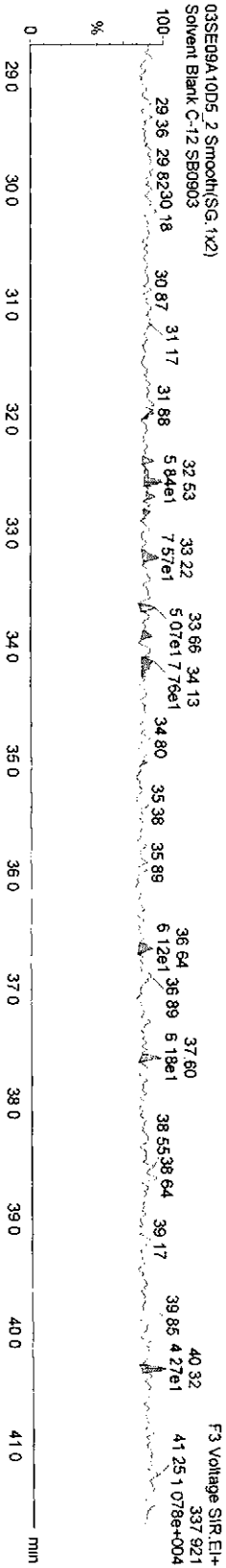
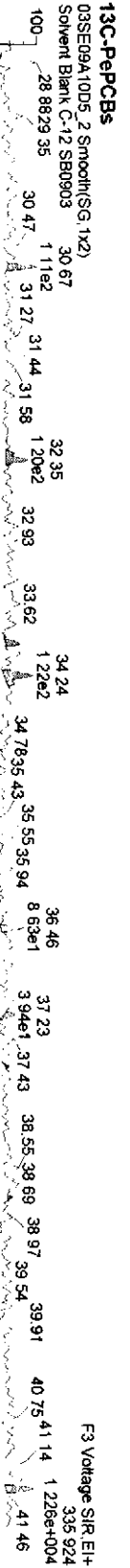
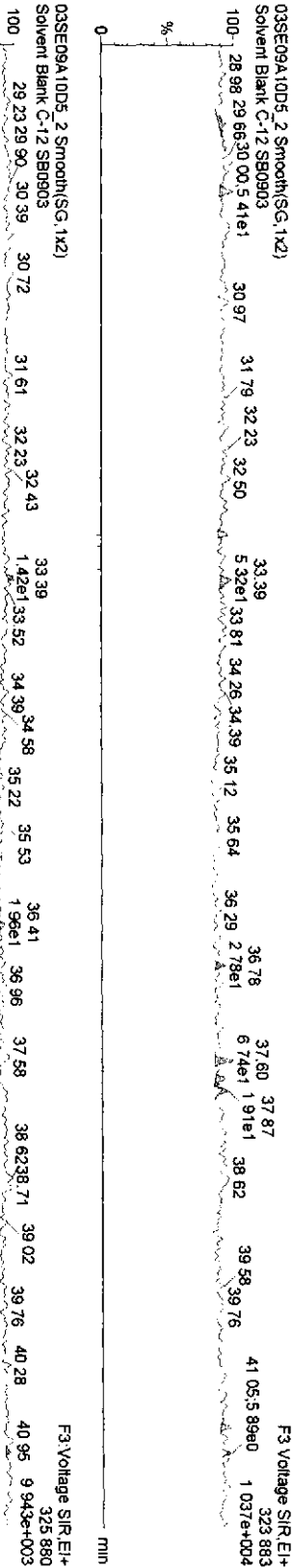
Quantify Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\proj03SE09A10D5\1668MSL.qld

Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_2, Date: 03-Sep-2009, Time: 20:43:32, ID: SB0903, Description: Solvent Blank C-12

PePCBs



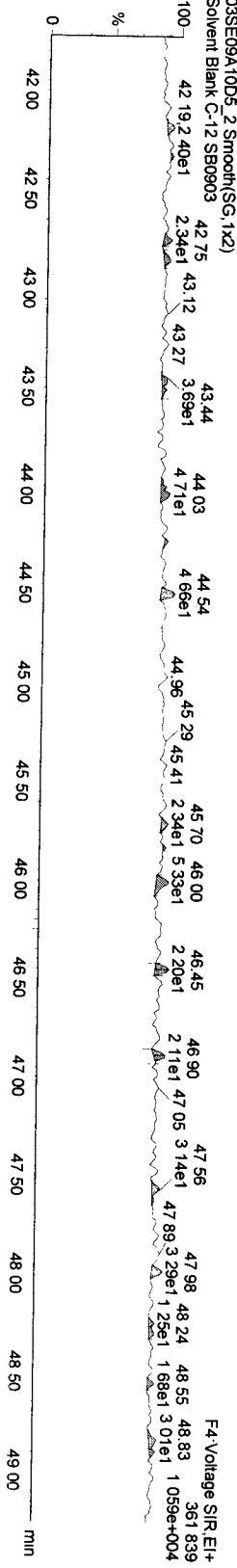
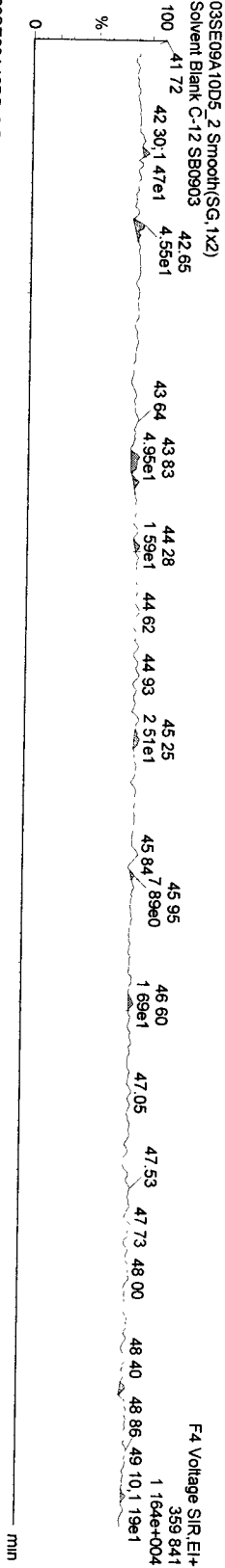
Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\03SE09A10D51668MSL.qld

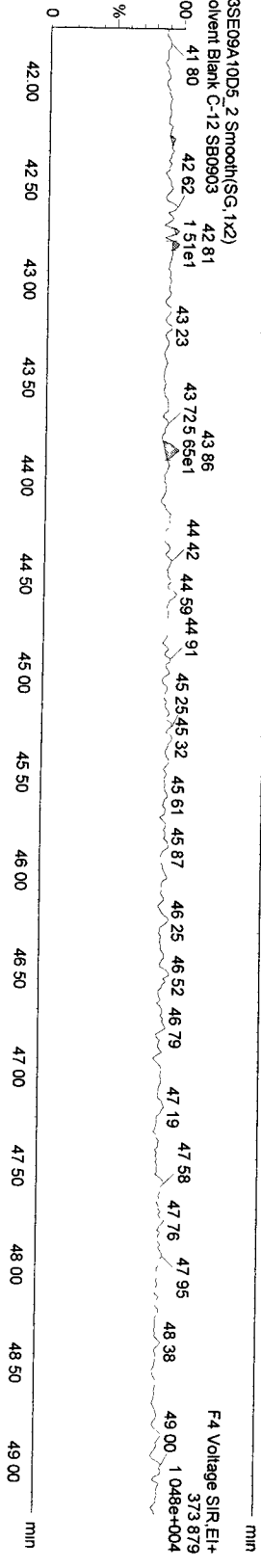
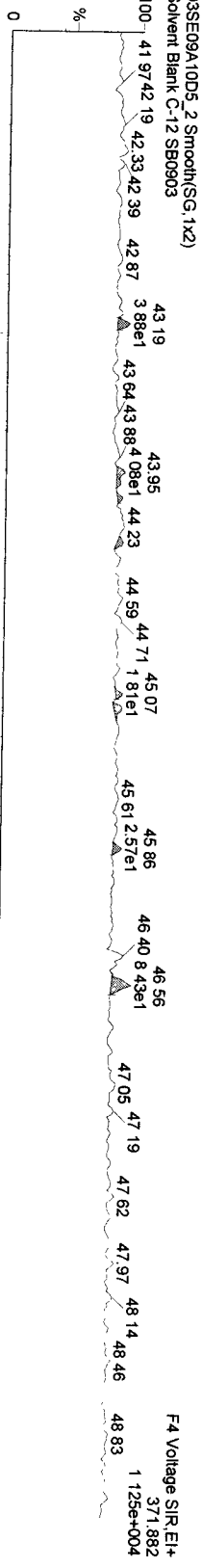
Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_2, Date: 03-Sep-2009, Time: 20:43:32, ID: SB0903, Description: Solvent Blank C-12

HPCBs-



13C-HPCBs



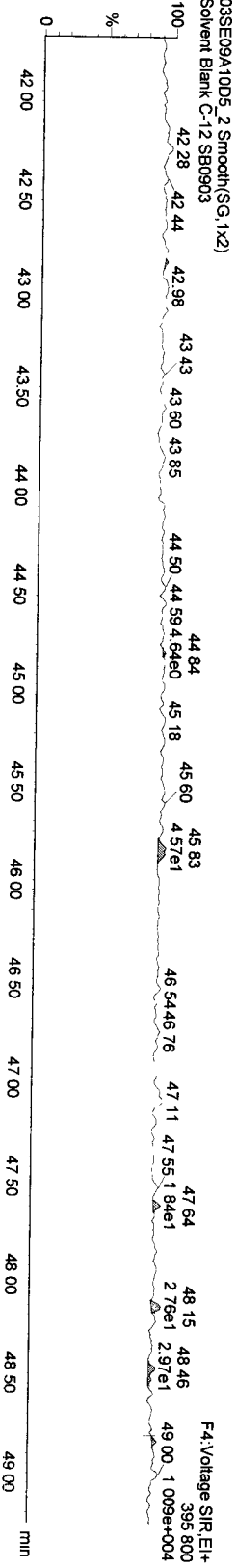
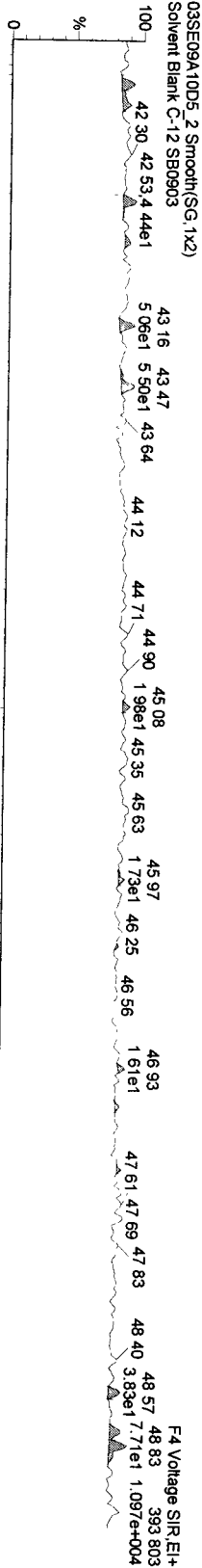
Dataset: C:\MassLynx\Default\proj\03SE09A10D51668MSL.qld

Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time

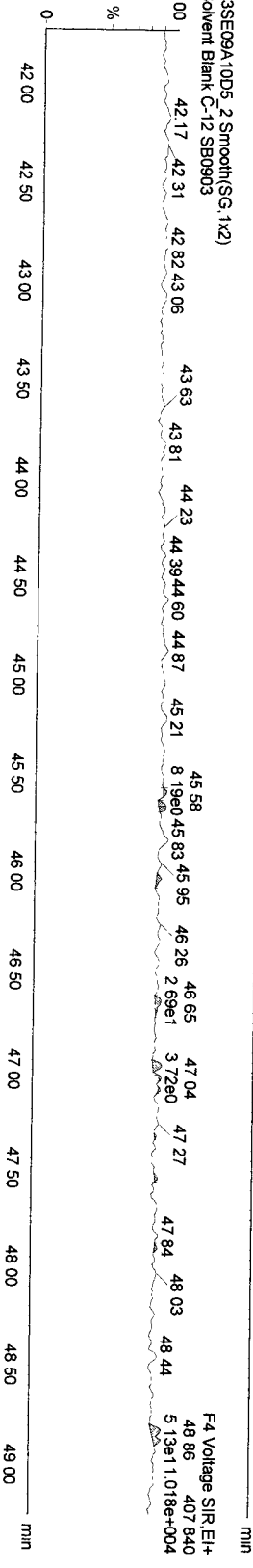
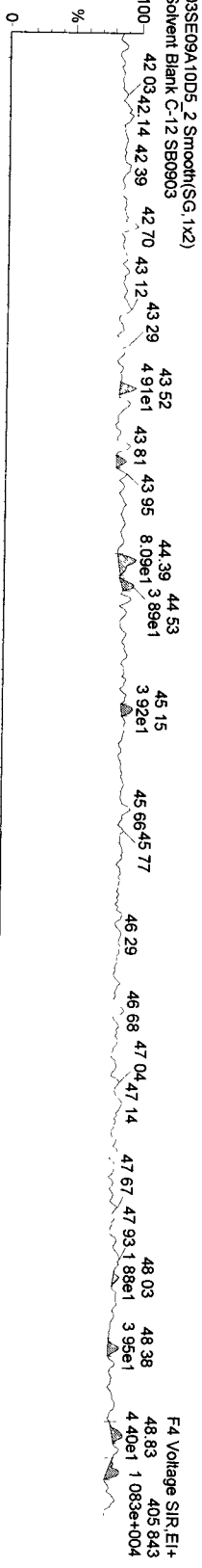
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_2, Date: 03-Sep-2009, Time: 20:43:32, ID: SB0903, Description: Solvent Blank C-12

HP PCBs



13C-HP PCBs



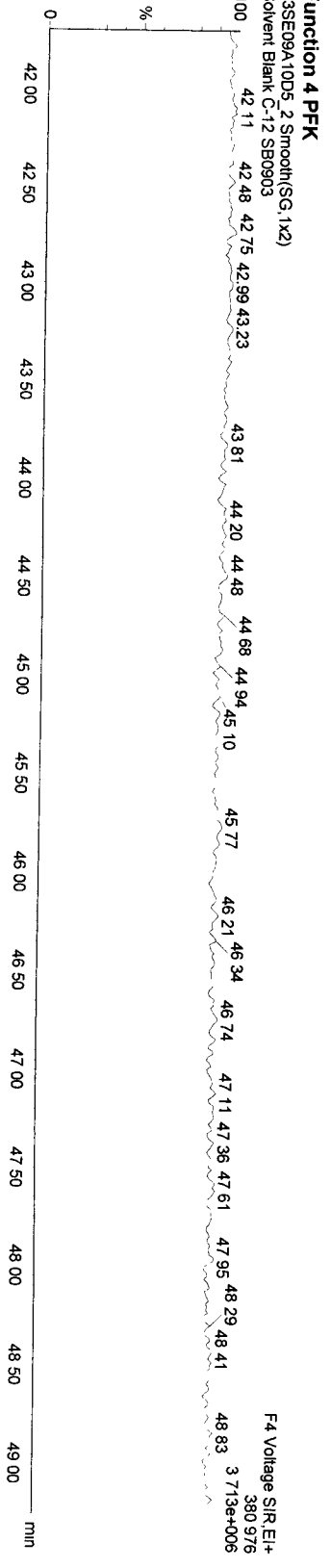
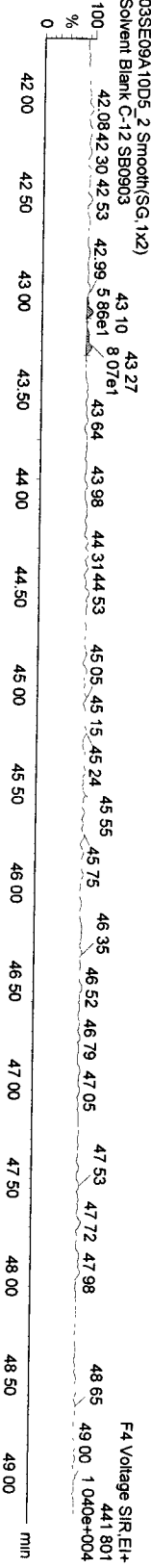
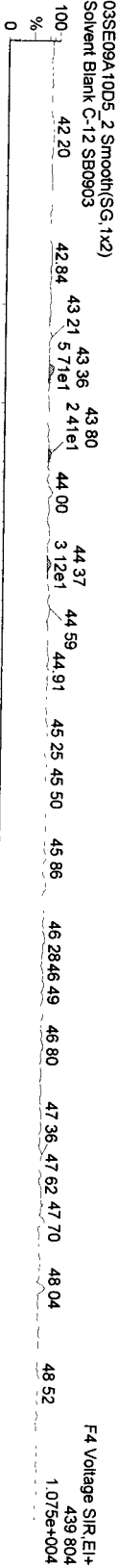


Dataset: C:\MassLynx\Default pro\03SE09A10D51668MSL.qld

Last Altered: Friday, September 04, 2009 08:26:52 Pacific Daylight Time  
Printed: Friday, September 04, 2009 08:27:55 Pacific Daylight Time

Name: 03SE09A10D5\_2, Date: 03-Sep-2009, Time: 20:43:32, ID: SB0903, Description: Solvent Blank C-12

13C-OCCB-202



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
 Methods 1668 and 1614

ICAL ID I CA 0716 200910DS1668MSL, ICA0716200910DSMSLDEC  
 Method ID 1668M Date Scanned \_\_\_\_\_  
 Column ID DB-5 Instrument ID 10DS  
 STD ID's ST0716, ST0716A, ST0716B STD Solution 09DXN(-205, -206, -207, -208, -209)  
ST0716C, ST0716D  
 GC Program 1668M10DS Multiplier Setting 350  
 Analyzed By SMA Date Analyzed 7-16-09  
 Prepared By SMA Date Prepared 7-21-09  
 Reviewed By AM Date Reviewed 7-21-09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for toxic and/or window defining natives (LOC natives.). All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%; S/N ≥ 2.5

1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD, S/N ≥2.5

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time

Printed: Tuesday, July 21, 2009 11:47:08 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 21 Jul 2009 07:34:24

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 20 Jul 2009 16:06:16

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C-PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time

Printed: Tuesday, July 21, 2009 11:42:30 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 21 Jul 2009 07:34:24

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 20 Jul 2009 16:06:16

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335 924	31.89	100 0	1238504	1.00000	0.623	NO	
2				0 0					
3	13C-TeCB-81	301 963	33.80	100 0	1303558	1.05253	0.781	NO	
4	TeCB-81	289.922	33.82	1 0	17272	1.32496	0.713	NO	
5	13C-TeCB-77	301 963	34.49	100 0	1366661	1.10348	0.785	NO	
6	TeCB-77	289 922	34.52	1.0	17201	1.25859	0.692	NO	
7				0 0					
8	13C-PeCB-123	335 924	36.15	100.0	1250798	1.00993	0.630	NO	
9	PeCB-123	323 883	36.18	1.0	17822	1.42486	0.649	NO	
10	13C-PeCB-118	335 924	36.31	100 0	1303385	1.05239	0.638	NO	
11	PeCB-118/106	323.883	36.35	1 0	18785	1.44126	0.590	NO	
12	13C-PeCB-114	335 924	37.10	100 0	1308817	1.05677	0.632	NO	
13	PeCB-114	323 883	37.14	1 0	19667	1.50269	0.608	NO	
14	13C PeCB-105	335 924	38.18	100.0	1247364	1.00715	0.630	NO	
15	PeCB-105/127	323 883	38.21	1 0	17028	1.36510	0.657	NO	
16	13C-PeCB-126	335.924	40.51	100 0	1318474	1.06457	0.617	NO	
17	PeCB-126	323.883	40.51	1.0	14763	1.11971	0.612	NO	
18				0 0					
19	13C-OcCB-202	439 804	43.29	100 0	1410958	1.00000	0.898	NO	
20				0 0					
21	13C-HxCB-167	371 882	41.85	100 0	1437394	1.01874	1.287	NO	
22	HxCB-167	359 841	41.87	1.0	19668	1.36831	1.291	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1133192	0.80314	1.291	NO	
24	HxCB-156	359.841	43.45	1 0	18969	1.67395	1.142	NO	
25	13C-HxCB-157	371 882	43.82	100.0	1209820	0.85745	1.273	NO	
26	HxCB-157	359 841	43.83	1 0	19507	1.61239	1.155	NO	
27	13C-HxCB-169	371 882	46.05	100.0	1280840	0.90778	1.268	NO	
28	HxCB-169	359.841	46.08	1 0	13786	1.07630	1.297	NO	
29				0 0					
30	13C-HpCB-180	405 843	44.59	100.0	985244	0.69828	1.054	NO	
31	HpCB-180	393.803	44.62	1.0	13178	1.33751	1.134	NO	
32	13C-HpCB-170	405.843	46.61	100.0	795719	0.56396	1.060	NO	
33	HpCB-170	393 803	46.64	1 0	12327	1.54915	1.029	NO	
34	13C-HpCB-189	405 843	48.48	100 0	1036343	0.73450	1.048	NO	
35	HpCB-189	393 803	48.50	1 0	12596	1.21545	1.055	NO	
36				0.0					
37	13C-PeCB-111	335 924	33.65	100.0	1685311	1.31074	0.635	NO	
38				1.0					
39	Function 3 PFK	380 976		1 0					
40	Function 4 PFK	380 976		1 0					

Dataset C:\MassLynx\Default.pro\ICA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time

Printed: Tuesday, July 21, 2009 11:42:30 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act..	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1201788	1.00000	0.630	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1243046	1.03433	0.797	NO	
4	TeCB-81	289.922	33.83	5.0	87542	1.40851	0.717	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1317969	1.09667	0.797	NO	
6	TeCB-77	289.922	34.52	5.0	79941	1.21310	0.741	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1207195	1.00450	0.620	NO	
9	PeCB-123	323.883	36.18	5.0	84618	1.40190	0.624	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1219974	1.01513	0.633	NO	
11	PeCB-118/106	323.883	36.35	5.0	89482	1.46696	0.646	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1249215	1.03946	0.647	NO	
13	PeCB-114	323.883	37.14	5.0	96578	1.54621	0.612	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1174371	0.97719	0.628	NO	
15	PeCB-105/127	323.883	38.21	5.0	82035	1.39708	0.619	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1231019	1.02432	0.623	NO	
17	PeCB-126	323.883	40.54	5.0	67459	1.09599	0.630	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1363855	1.00000	0.891	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1360620	0.99763	1.270	NO	
22	HxCB-167	359.841	41.88	5.0	86045	1.26479	1.229	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1065694	0.78138	1.285	NO	
24	HxCB-156	359.841	43.46	5.0	85122	1.59750	1.186	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1123200	0.82355	1.286	NO	
26	HxCB-157	359.841	43.85	5.0	89045	1.58556	1.238	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1168591	0.85683	1.282	NO	
28	HxCB-169	359.841	46.08	5.0	62351	1.06712	1.221	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	925688	0.67873	1.035	NO	
31	HpCB-180	393.803	44.62	5.0	56871	1.22872	1.063	NO	
32	13C-HpCB-170	405.843	46.61	100.0	738016	0.54112	1.062	NO	
33	HpCB-170	393.803	46.64	5.0	58449	1.58394	1.019	NO	
34	13C-HpCB-189	405.843	48.50	100.0	932310	0.68358	1.049	NO	
35	HpCB-189	393.803	48.51	5.0	56109	1.20366	1.059	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.66	100.0	1588090	1.30561	0.634	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset C:\MassLynx\Default pro\ICA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time

Printed: Tuesday, July 21, 2009 11:42:30 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335 924	31.90	100 0	1175057	1 00000	0 634	NO	
2				0 0					
3	13C-TeCB-81	301 963	33.82	100 0	1246212	1 06055	0 801	NO	
4	TeCB-81	289 922	33 83	50 0	930081	1 49265	0 723	NO	
5	13C-TeCB-77	301 963	34.50	100 0	1331423	1.13307	0 804	NO	
6	TeCB-77	289 922	34 52	50 0	847939	1 27373	0 727	NO	
7				0 0					
8	13C-PeCB-123	335.924	36.16	100 0	1191088	1 01364	0 643	NO	
9	PeCB-123	323 883	36 18	50 0	929234	1 56031	0 615	NO	
10	13C-PeCB-118	335 924	36 33	100 0	1202953	1 02374	0 631	NO	
11	PeCB-118/106	323 883	36 35	50 0	956194	1 58974	0.625	NO	
12	13C-PeCB-114	335 924	37 12	100 0	1229304	1 04616	0 638	NO	
13	PeCB-114	323.883	37 14	50 0	987405	1.60645	0.626	NO	
14	13C PeCB-105	335 924	38 19	100 0	1164813	0 99128	0 637	NO	
15	PeCB-105/127	323 883	38 21	50 0	850622	1 46053	0 610	NO	
16	13C-PeCB-126	335 924	40 51	100 0	1208292	1.02828	0 622	NO	
17	PeCB-126	323.883	40 53	50 0	708636	1 17295	0.622	NO	
18				0 0					
19	13C-OcCB-202	439 804	43 31	100 0	1332095	1 00000	0 897	NO	
20				0 0					
21	13C-HxCB-167	371.882	41.87	100 0	1325323	0.99492	1.279	NO	
22	HxCB-167	359.841	41 88	50 0	929401	1.40253	1 238	NO	
23	13C-HxCB-156	371 882	43 45	100 0	1039105	0.78005	1.292	NO	
24	HxCB-156	359 841	43 46	50 0	895990	1 72454	1 227	NO	
25	13C-HxCB-157	371.882	43 83	100 0	1109688	0 83304	1 283	NO	
26	HxCB-157	359 841	43 85	50 0	943304	1.70012	1.230	NO	
27	13C-HxCB-169	371.882	46.06	100 0	1146831	0.86092	1 284	NO	
28	HxCB-169	359 841	46 08	50 0	635680	1 10859	1.243	NO	
29				0 0					
30	13C-HpCB-180	405 843	44.61	100 0	926647	0.69563	1 034	NO	
31	HpCB-180	393.803	44 62	50 0	599373	1.29364	1.027	NO	
32	13C-HpCB-170	405.843	46 62	100 0	725228	0 54443	1 045	NO	
33	HpCB-170	393 803	46 64	50 0	598461	1.65041	1.043	NO	
34	13C-HpCB-189	405 843	48 50	100 0	930603	0.69860	1 043	NO	
35	HpCB-189	393 803	48 51	50 0	575970	1 23784	1 038	NO	
36				0 0					
37	13C-PeCB-111	335 924	33 67	100 0	1595890	1.33070	0 629	NO	
38				1 0					
39	Function 3 PFK	380 976		1 0					
40	Function 4 PFK	380.976		1 0					

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time

Printed: Tuesday, July 21, 2009 11:42:30 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.89	100.0	1295333	1.00000	0.633	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1310582	1.01177	0.780	NO	
4	TeCB-81	289.922	33.82	200.0	3974320	1.51624	0.742	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1385538	1.06964	0.794	NO	
6	TeCB-77	289.922	34.52	200.0	3662737	1.32177	0.723	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1226579	0.94692	0.628	NO	
9	PeCB-123	323.883	36.18	200.0	3838855	1.56486	0.620	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1303926	1.00663	0.641	NO	
11	PeCB-118/106	323.883	36.35	200.0	4007006	1.53652	0.615	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1286568	0.99323	0.644	NO	
13	PeCB-114	323.883	37.14	200.0	4203276	1.63352	0.617	NO	
14	13C-PeCB-105	335.924	38.18	100.0	1235972	0.95417	0.624	NO	
15	PeCB-105/127	323.883	38.21	200.0	3603788	1.45788	0.623	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1300506	1.00399	0.625	NO	
17	PeCB-126	323.883	40.52	200.0	3074213	1.18193	0.615	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1460108	1.00000	0.903	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1431091	0.98013	1.291	NO	
22	HxCB-167	359.841	41.88	200.0	3738452	1.30615	1.233	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1116476	0.76465	1.290	NO	
24	HxCB-156	359.841	43.46	200.0	3830700	1.71553	1.223	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1194057	0.81779	1.280	NO	
26	HxCB-157	359.841	43.85	200.0	4035042	1.68964	1.232	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1236150	0.84662	1.277	NO	
28	HxCB-169	359.841	46.06	200.0	2788716	1.12798	1.245	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	970265	0.66452	1.045	NO	
31	HpCB-180	393.803	44.62	200.0	2544786	1.31139	1.039	NO	
32	13C-HpCB-170	405.843	46.61	100.0	776807	0.53202	1.059	NO	
33	HpCB-170	393.803	46.64	200.0	2565555	1.65135	1.038	NO	
34	13C-HpCB-189	405.843	48.48	100.0	978294	0.67001	1.033	NO	
35	HpCB-189	393.803	48.51	200.0	2441050	1.24761	1.041	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.65	100.0	1659357	1.30585	0.623	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					



Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time  
Printed: Tuesday, July 21, 2009 11:42:30 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1299028	1.00000	0.636	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1351021	1.04002	0.809	NO	
4	TeCB-81	289.922	33.82	500.0	10467538	1.54957	0.737	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1453148	1.11864	0.802	NO	
6	TeCB-77	289.922	34.52	500.0	9342494	1.28583	0.722	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1287591	0.99120	0.632	NO	
9	PeCB-123	323.883	36.18	500.0	10139770	1.57500	0.616	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1328216	1.02247	0.649	NO	
11	PeCB-118/106	323.883	36.35	500.0	10574689	1.59231	0.621	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1362567	1.04891	0.632	NO	
13	PeCB-114	323.883	37.15	500.0	11181883	1.64130	0.625	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1270123	0.97775	0.646	NO	
15	PeCB-105/127	323.883	38.21	500.0	9435282	1.48573	0.621	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1336400	1.02877	0.628	NO	
17	PeCB-126	323.883	40.53	500.0	8075162	1.20849	0.619	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1486089	1.00000	0.895	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1517183	1.02092	1.289	NO	
22	HxCB-167	359.841	41.88	500.0	10605261	1.39802	1.234	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1183364	0.79629	1.304	NO	
24	HxCB-156	359.841	43.46	500.0	10238996	1.73049	1.242	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1255009	0.84450	1.295	NO	
26	HxCB-157	359.841	43.85	500.0	10733652	1.71053	1.230	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1314059	0.88424	1.276	NO	
28	HxCB-169	359.841	46.08	500.0	7303533	1.11160	1.218	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	1014969	0.68298	1.046	NO	
31	HpCB-180	393.803	44.64	500.0	6752054	1.33049	1.042	NO	
32	13C-HpCB-170	405.843	46.62	100.0	827947	0.55713	1.061	NO	
33	HpCB-170	393.803	46.64	500.0	6789976	1.64019	1.040	NO	
34	13C-HpCB-189	405.843	48.50	100.0	1042716	0.70165	1.045	NO	
35	HpCB-189	393.803	48.51	500.0	6512169	1.24908	1.047	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.67	100.0	1673672	1.27084	0.628	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default pro\Sampled\16JL0910D5 SPL  
 Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
 Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page 1 of 3

Page Position (1, 1)

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ut
1	16JL0910D5_1	Solvent Blank C-12	SB0716	---	1.000000	---	1.00
2	16JL0910D5_2	CS-1 09DXN205	ST0716	---	1.000000	---	1.00
3	16JL0910D5_3	CS-2 09DXN206	ST0716A	---	1.000000	---	1.00
4	16JL0910D5_4	CS-3 09DXN207	ST0716B	---	1.000000	---	1.00
5	16JL0910D5_5	CS-4 09DXN208	ST0716C	---	1.000000	---	1.00
6	16JL0910D5_6	CS-5 09DXN209	ST0716D	---	1.000000	---	1.00
7	16JL0910D5_7	Solvent Blank C-12	SB0716A	---	1.000000	---	1.00
8	16JL0910D5_8	2nd Source 09DXN196	ST0716E	1668	1.000000	---	1.00
9	16JL0910D5_9	CS-3 09DXN207	ST0716F	---	1.000000	---	1.00
10	16JL0910D5_10	Solvent Blank C-12	SB0716B	---	1.000000	---	1.00
11	16JL0910D5_11	G9G020271-1MB	LF612-1-AAB	1668/SOLID 89	10.000000	g	20
12	16JL0910D5_12	G9G020271-1LCS	LF612-1-ACC	1668/SOLID ---	10.000000	g	20
13	16JL0910D5_13	G9G020271-1	LF16J-1-AC	1668/SOLID ---	10.030000	g	20
14	16JL0910D5_14	G9G020271-2	LF16K-1-AC	1668/SOLID ---	10.075000	g	20
15	16JL0910D5_15	G9G020271-3	LF16L-1-AC	1668/SOLID ---	10.450000	g	20
16	16JL0910D5_16	G9G020275-1	LF162-1-AC	1668/SOLID ---	10.195000	g	20
17	16JL0910D5_17	G9G020275-2	LF166-1-AC	1668/SOLID ---	10.225000	g	20
18	16JL0910D5_18	G9G020275-3	LF168-1-AC	1668/SOLID ---	10.205000	g	20
19	16JL0910D5_19	G9G020275-4	LF169-1-AC	1668/SOLID ---	10.085000	g	20
20	16JL0910D5_20	G9G020280-1	LF172-1-AC	1668/SOLID ---	10.265000	g	20
21	16JL0910D5_21	G9G020280-2	LF174-1-AC	1668/SOLID ---	10.340000	g	20
22	16JL0910D5_22	G9G020280-3	LF176-1-AC	1668/SOLID ---	10.040000	g	20
23	16JL0910D5_23	Solvent Blank C-12	SB0716C	---	1.000000	---	1.00

*reviewed  
by  
ms  
7/17/09*

Sample List: C:\MassLynx\Default.pro\Sampled\b\16JL0910D5.SPL  
Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:2	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	1	2	100	100
Tray1:3	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	5	10	100	100
Tray1:4	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:5	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	200	400	100	100
Tray1:6	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	500	1000	100	100
Tray1:7	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:10	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:11	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:16	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default pro\Sampled\16JL0910D5 SPL  
Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page 3 of 3

Page Position (3, 1)

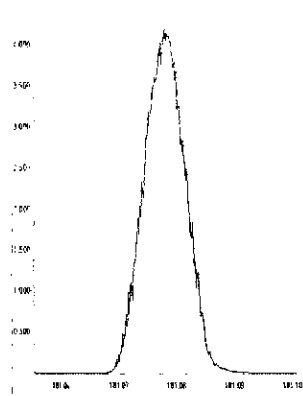
Conc E   Conc F   Conc G   Conc H

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100	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
---	---	---	---
2000	---	---	---
100	---	---	---
---	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
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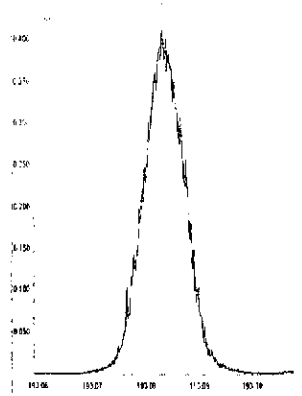
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Printed: Thursday, July 16, 2009 11:39:37 Pacific Daylight Time

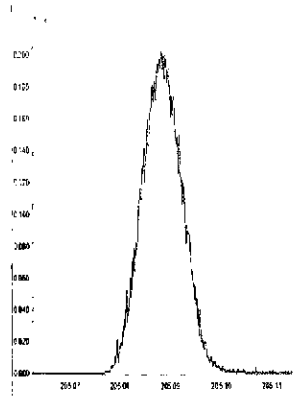
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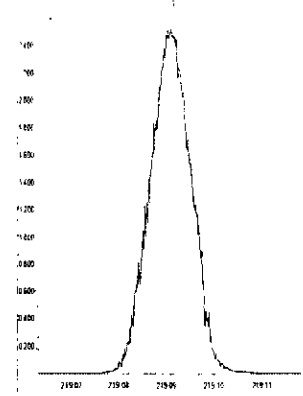
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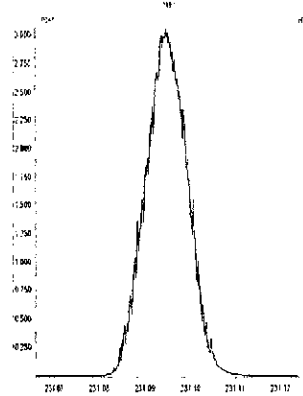
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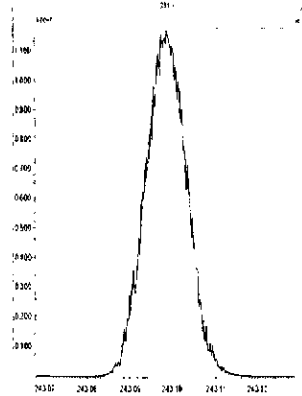
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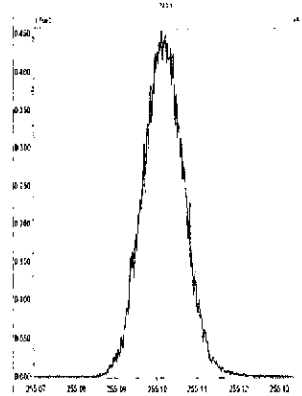
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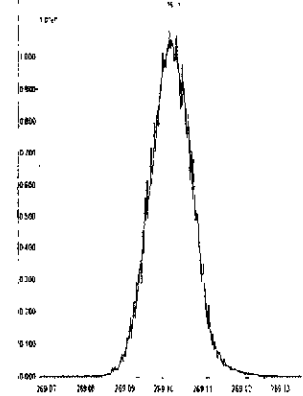
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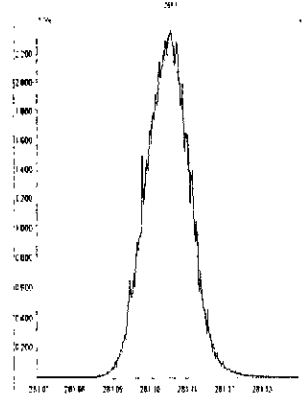
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M 268.9824 R 10692



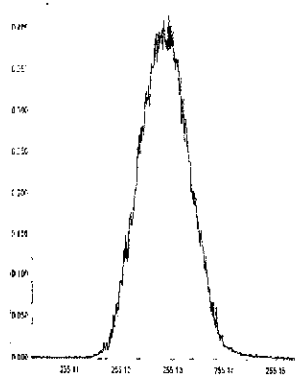
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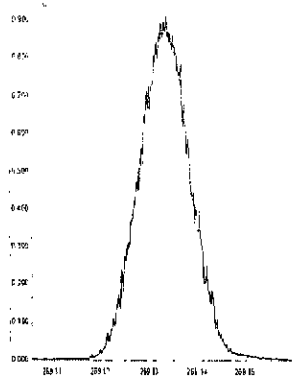
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Printed Thursday, July 16, 2009 1:40:41 Pacific Daylight Time

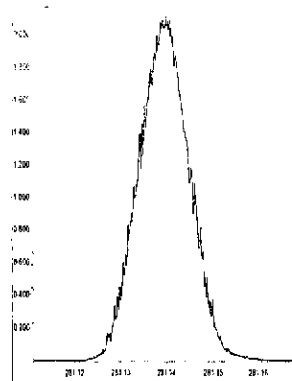
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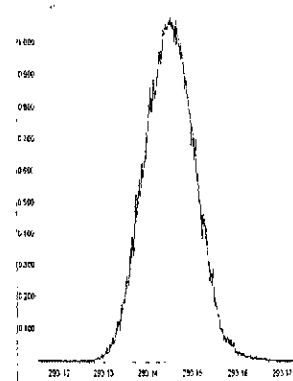
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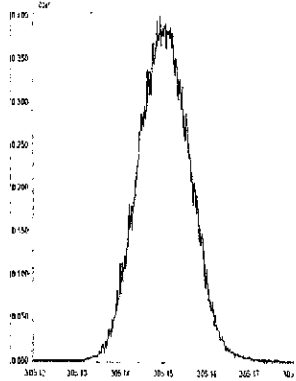
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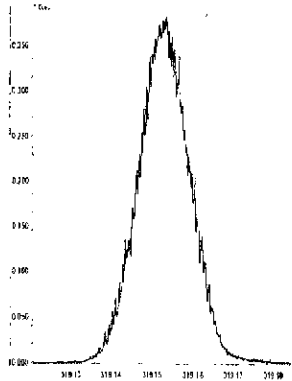
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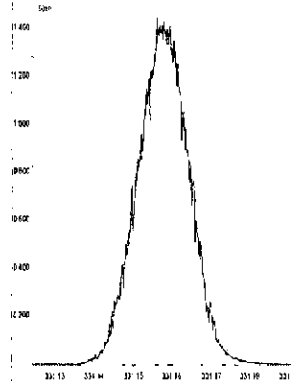
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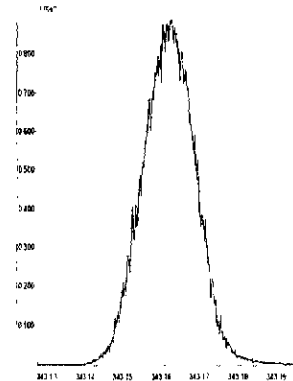
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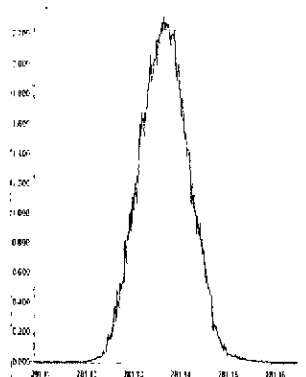
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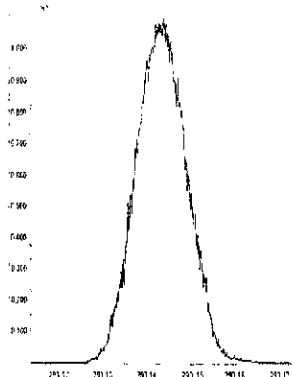
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Printed Thursday, July 16, 2009 11:41:17 Pacific Daylight Time

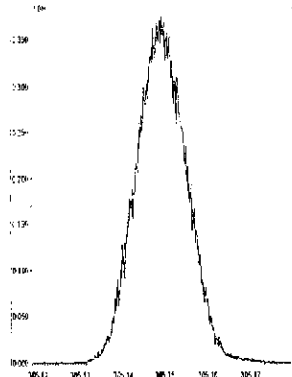
M 280.9824 R 11412



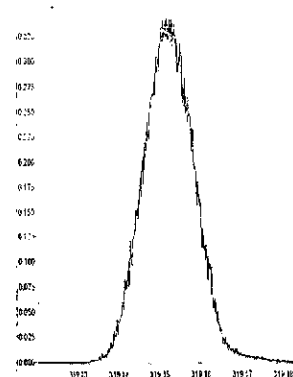
M 292.9824 R 11313



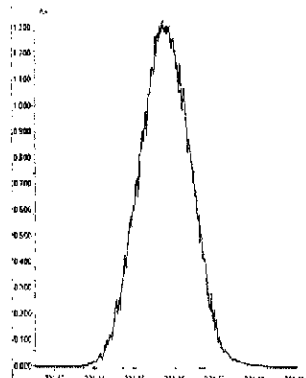
M 304.9824 R 11110



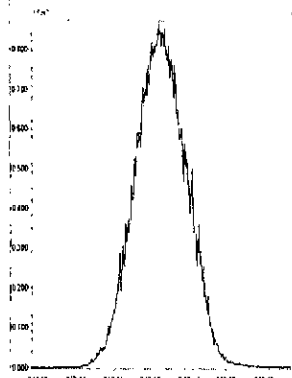
M 318.9792 R 11366



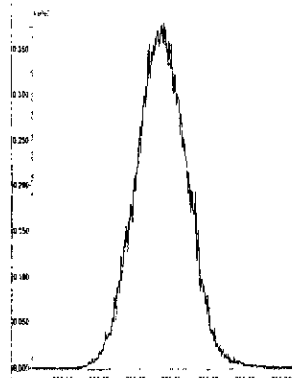
M 330.9792 R 11212



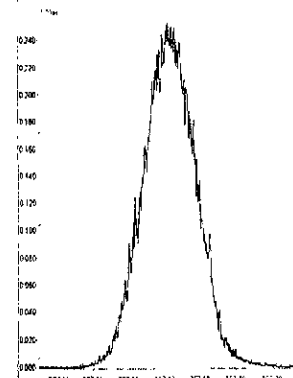
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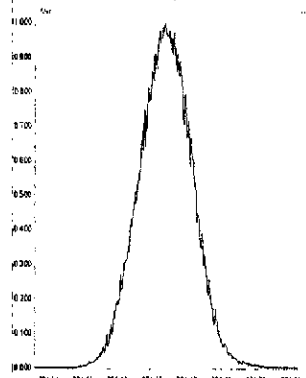
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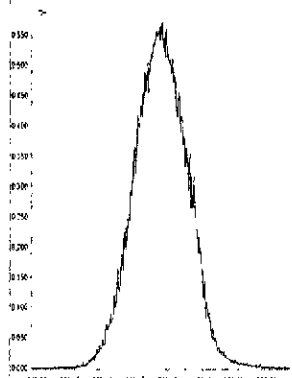
M 366.9792 R 11107



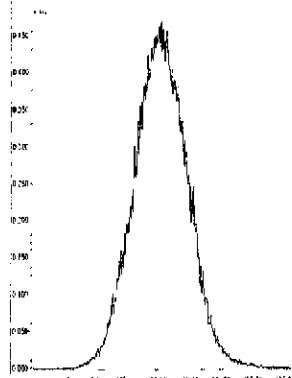
M 380.9760 R 10818



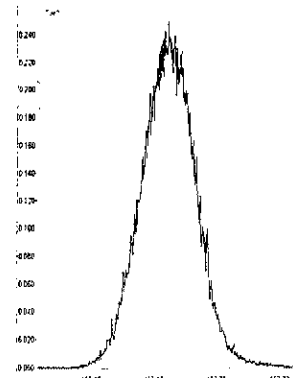
M 392.9760 R 10592



M 404.9760 R 10505



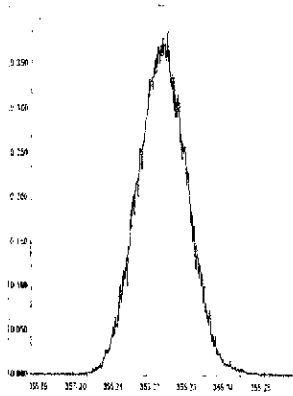
M 416.9760 R 10729



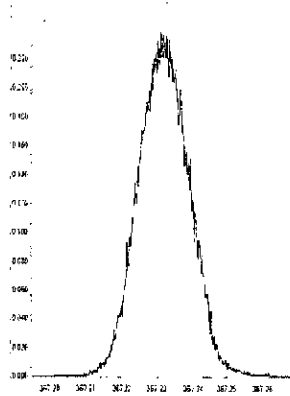
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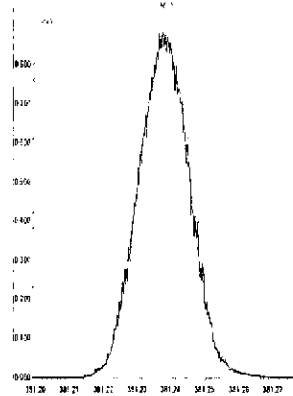
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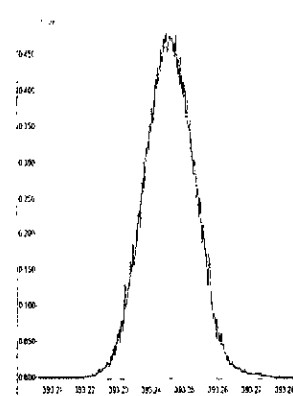
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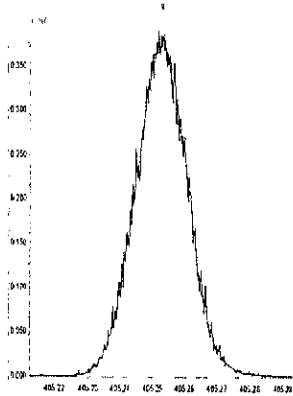
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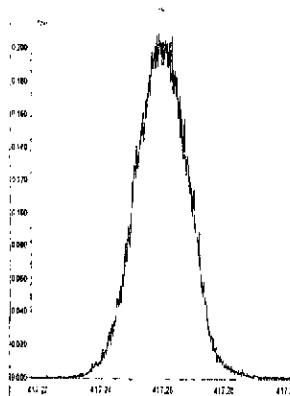
M 392.9760 R 11013



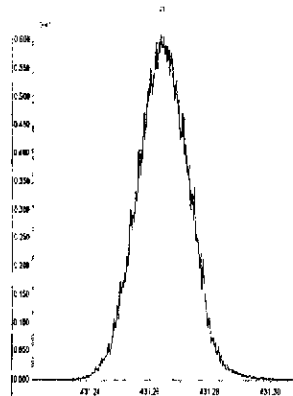
M 404.9760 R 10503



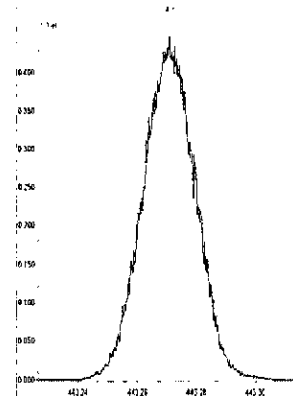
M 416.9760 R 10636



M 430.9728 R 10918



M 442.9728 R 10917

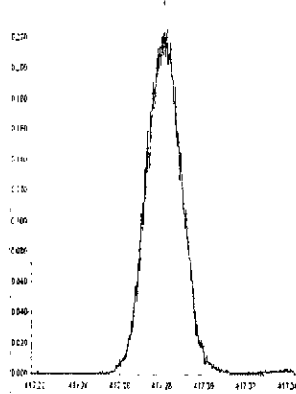




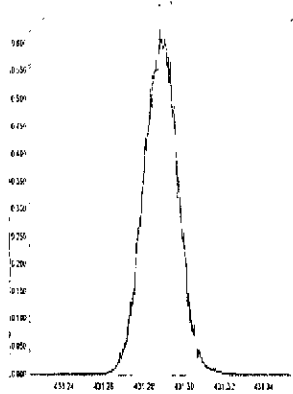
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Printed Thursday, July 16, 2009 11:43:38 Pacific Daylight Time

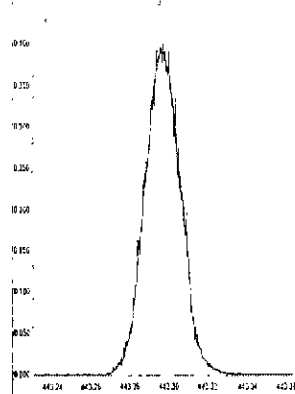
M 416.9760 R 11185



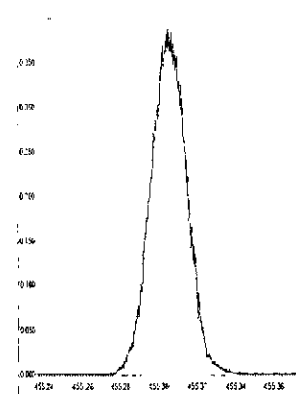
M 430.9728 R 10752



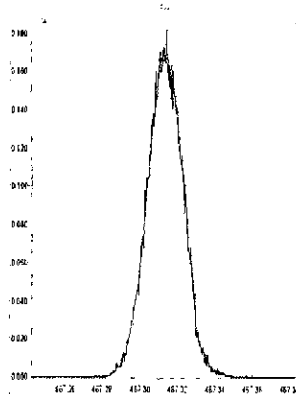
M 442.9728 R 10752



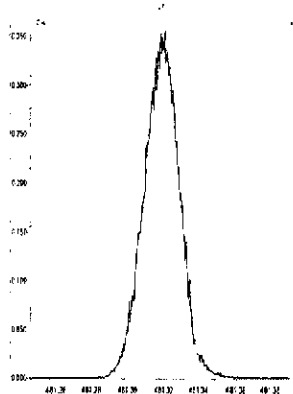
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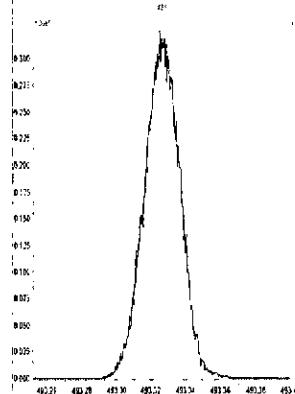
M 466.9728 R 10892



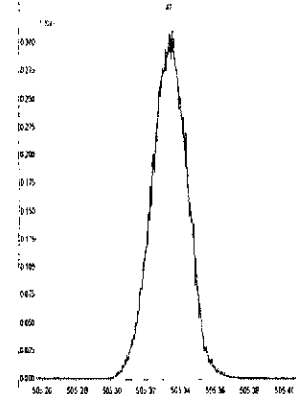
M 480.9696 R 10614



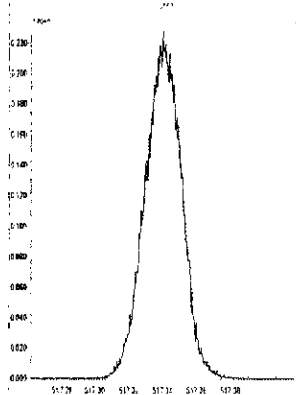
M 492.9696 R 10547



M 504.9696 R 10617



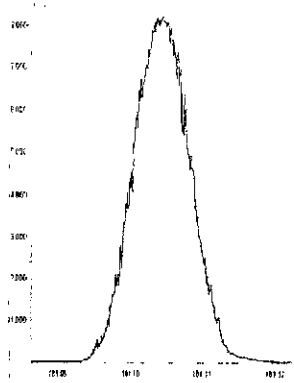
M 516.9697 R 10547



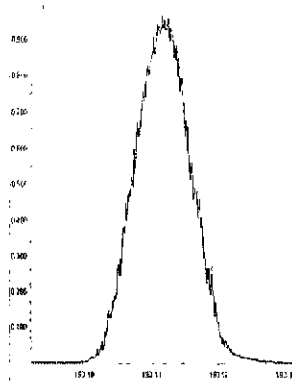
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Printed: Thursday, July 16, 2009 20:24:50 Pacific Daylight Time

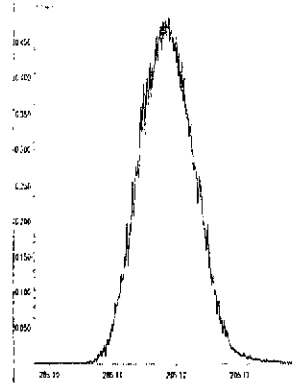
M 180.9888 R 10459



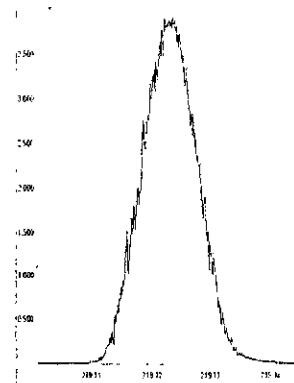
M 192.9888 R 10504



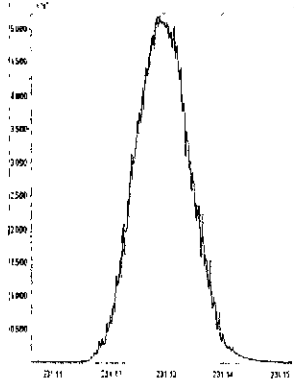
M 204.9888 R 10462



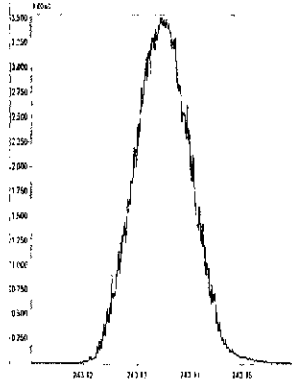
M 218.9856 R 10330



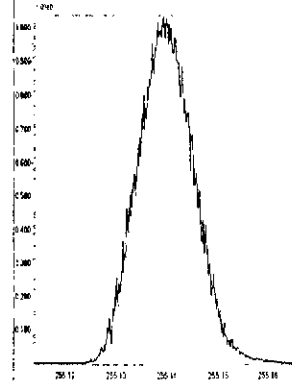
M 230.9856 R 10375



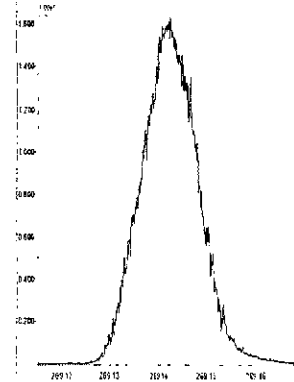
M 242.9856 R 10372



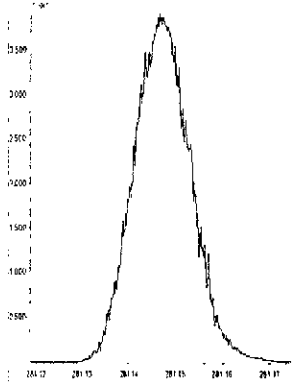
M 254.9856 R 10246



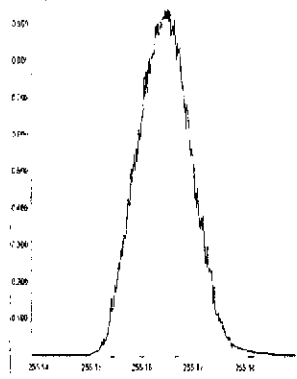
M 268.9824 R 10039



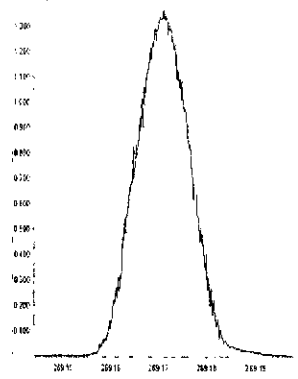
M 280.9824 R 10207



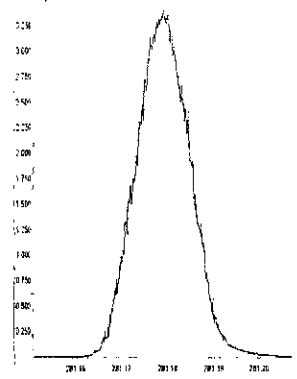
M 254.9856 R 10777



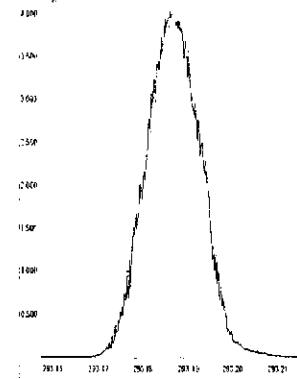
M 268.9824 R 10965



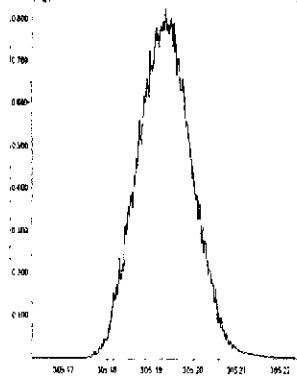
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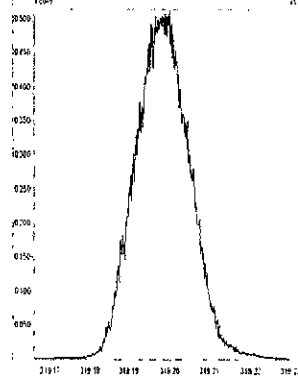
M 292.9824 R 10967



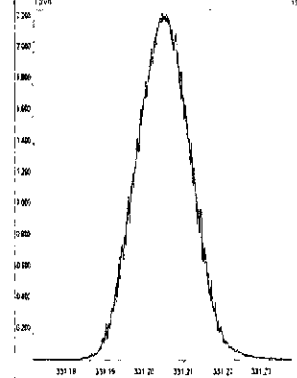
M 304.9824 R 10724



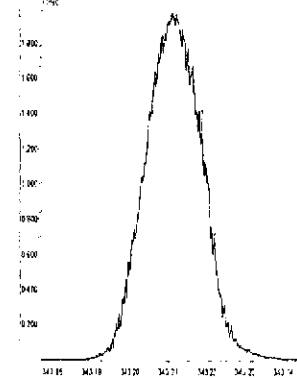
M 318.9792 R 10592



M 330.9792 R 10872



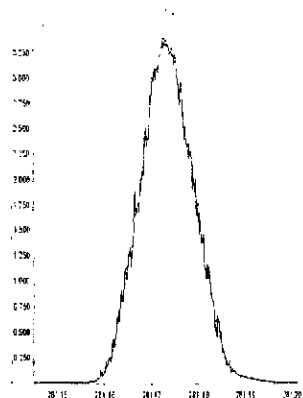
M 342.9792 R 10505



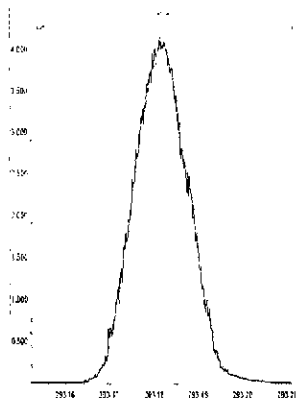
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Printed: Thursday, July 16, 2009 20:32:05 Pacific Daylight Time

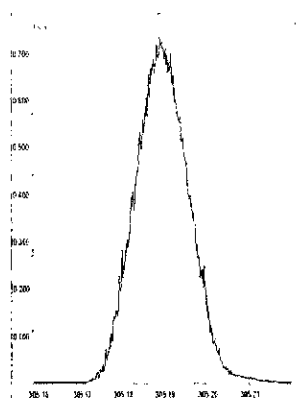
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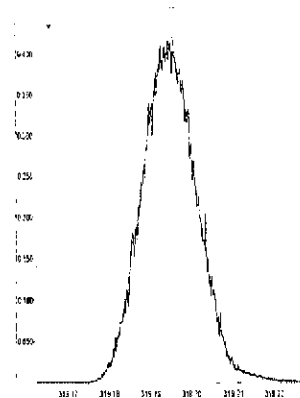
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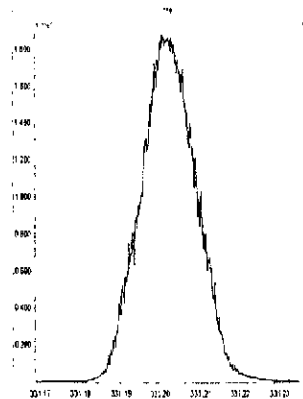
M 304.9824 R 10870



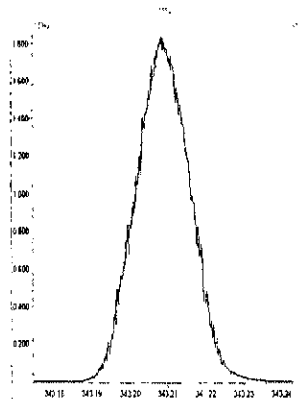
M 318.9792 R 10637



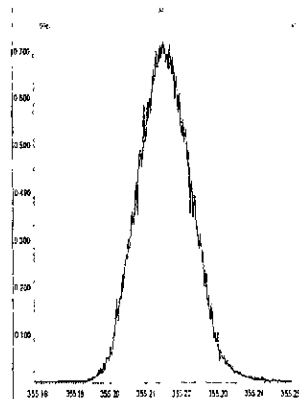
M 330.9792 R 10681



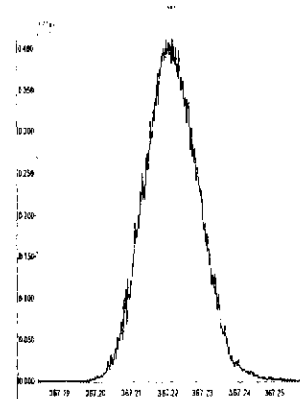
M 342.9792 R 10639



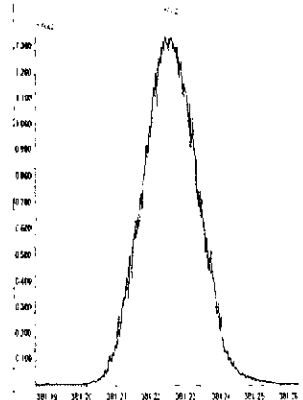
M 354.9792 R 10464



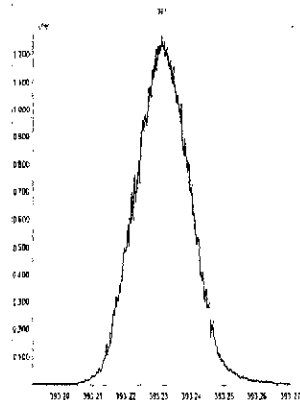
M 366.9792 R 10867



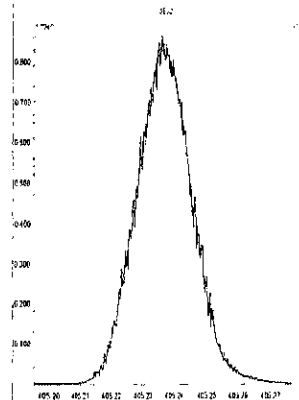
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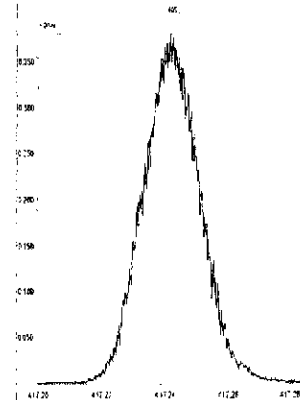
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M 404.9760 R 10124



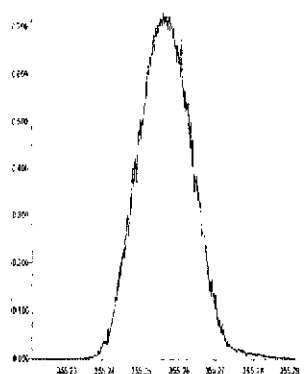
M 416.9760 R 10243



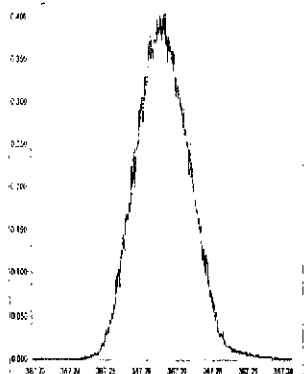
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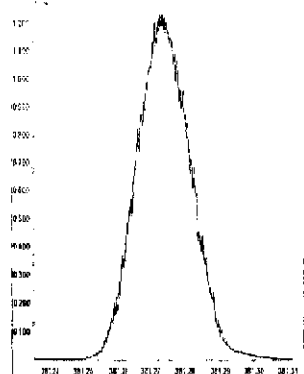
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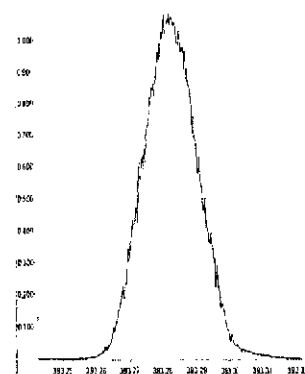
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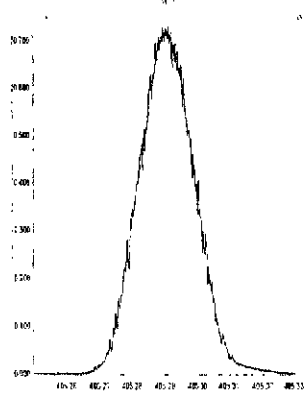
M 380.9760 R 10915



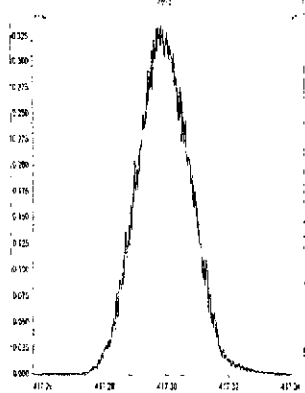
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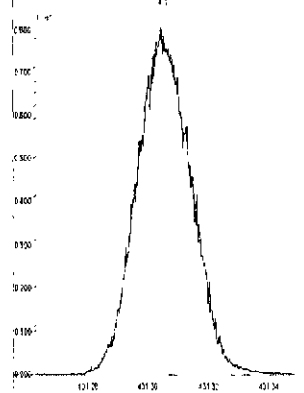
M 404.9760 R 10548



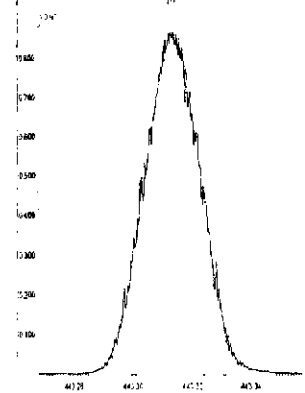
M 416.9760 R 10728



M 430.9728 R 10415



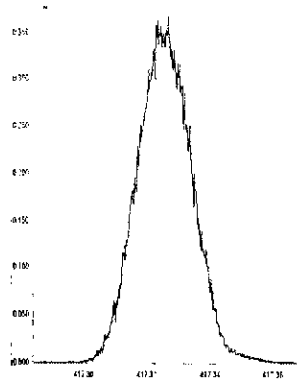
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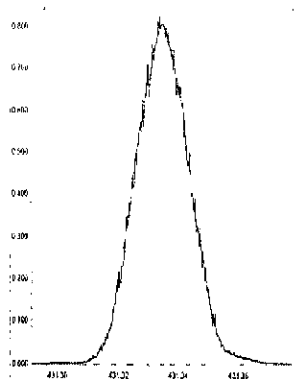
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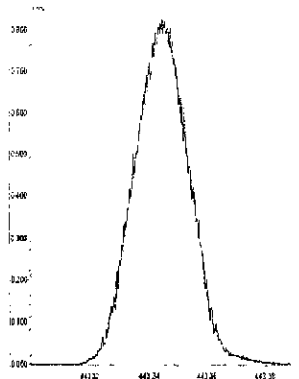
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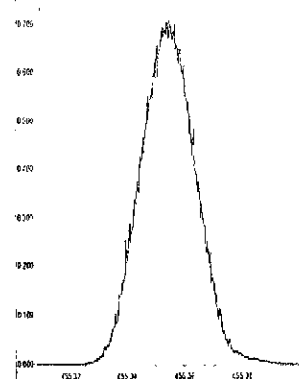
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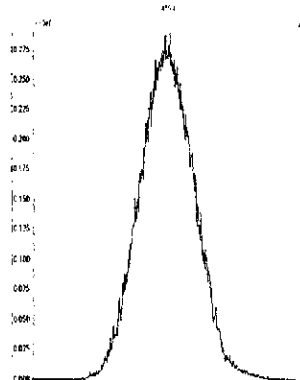
M 442.9728 R 10918



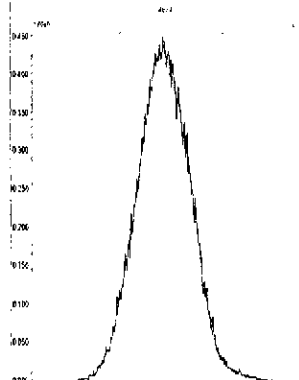
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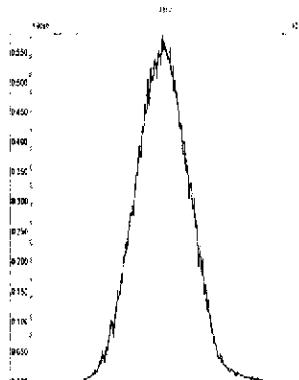
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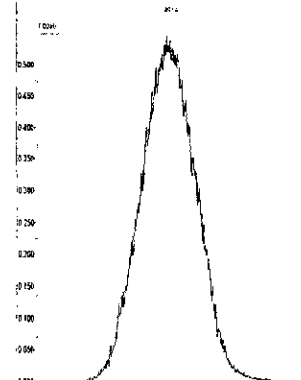
M 480.9696 R 10415



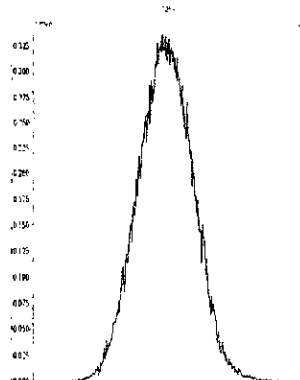
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M 504.9696 R 10638



M 516.9697 R 10206

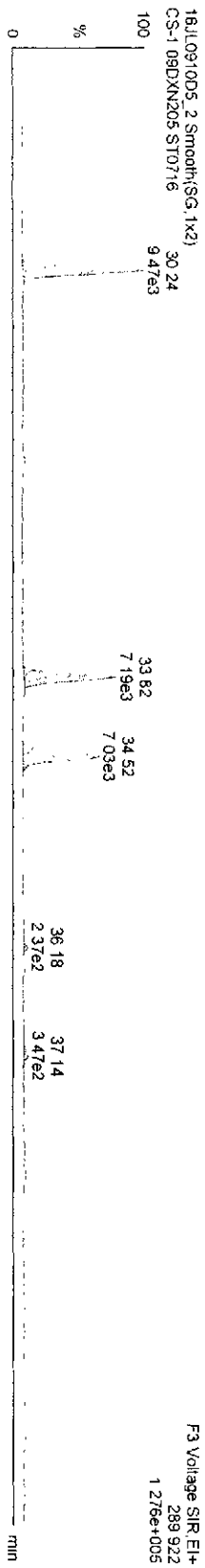


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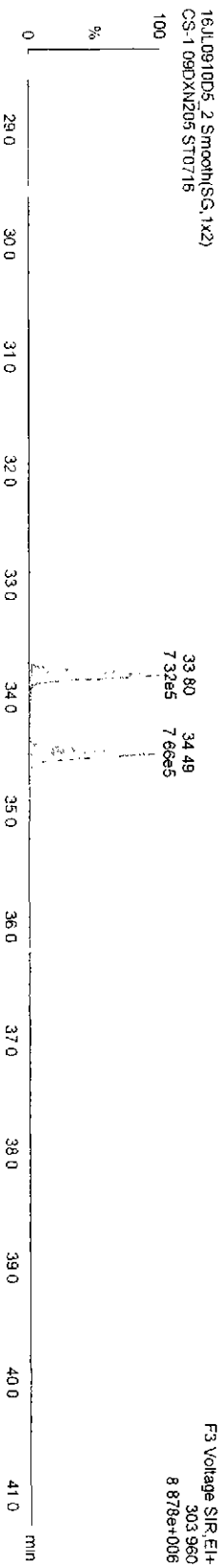
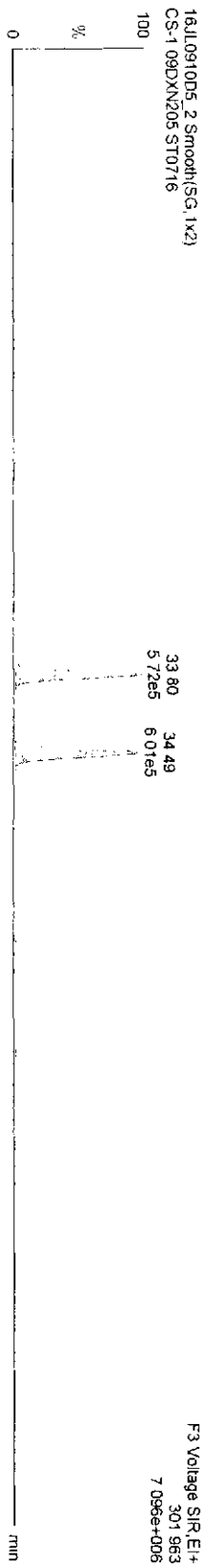
Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

**TetraPCBs**



**13C-TetraPCBs**

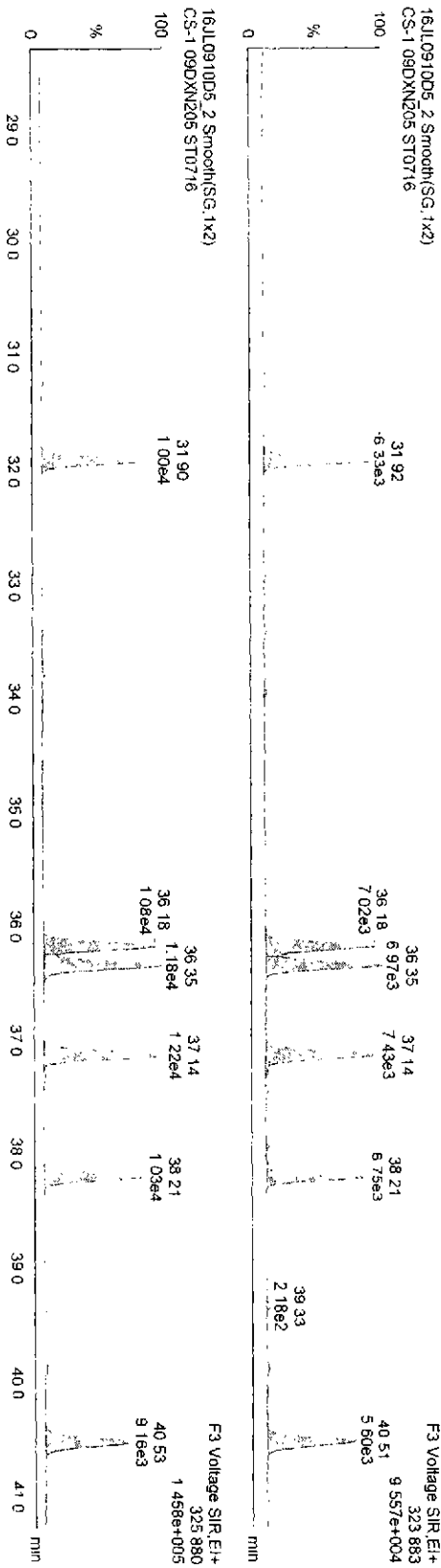


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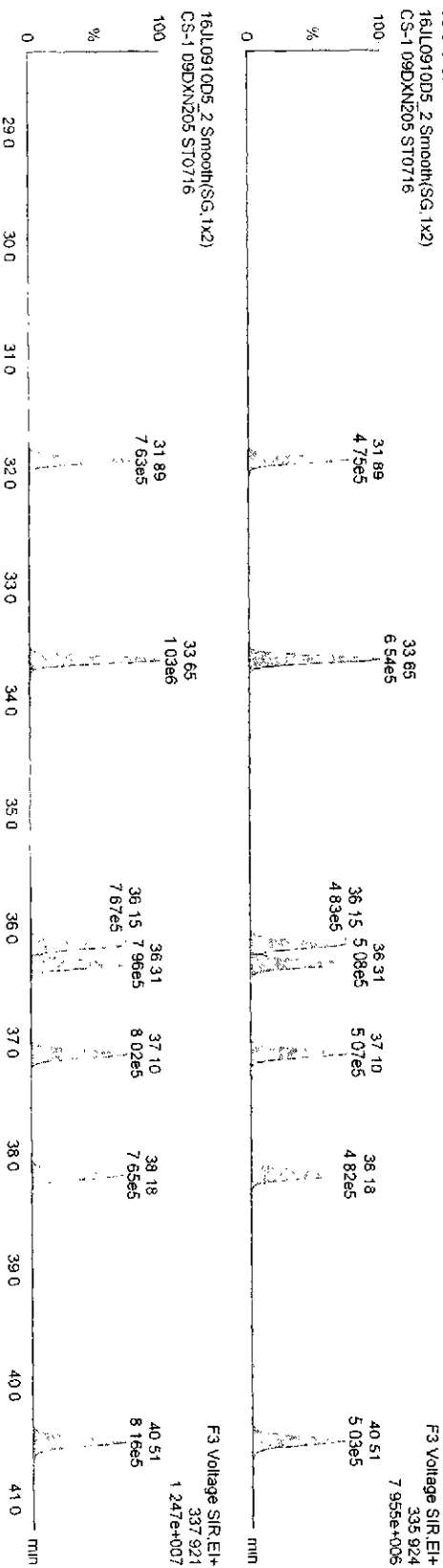
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Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

**PePCBs**



**13C-PePCBs**



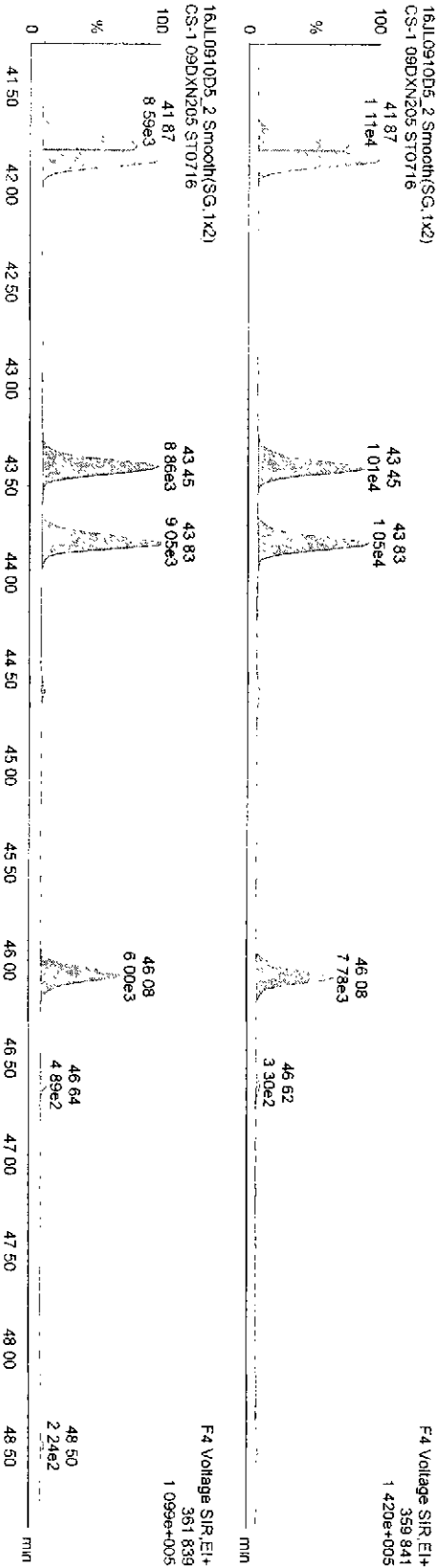


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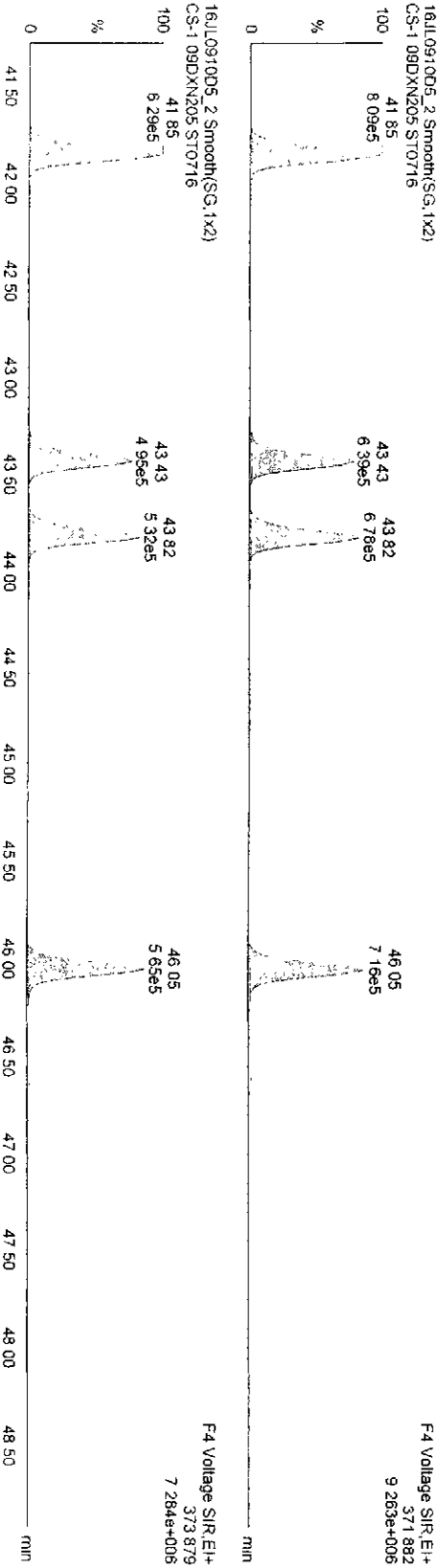
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Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16LJ0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

HXPCBs-



13C-HXPCBs



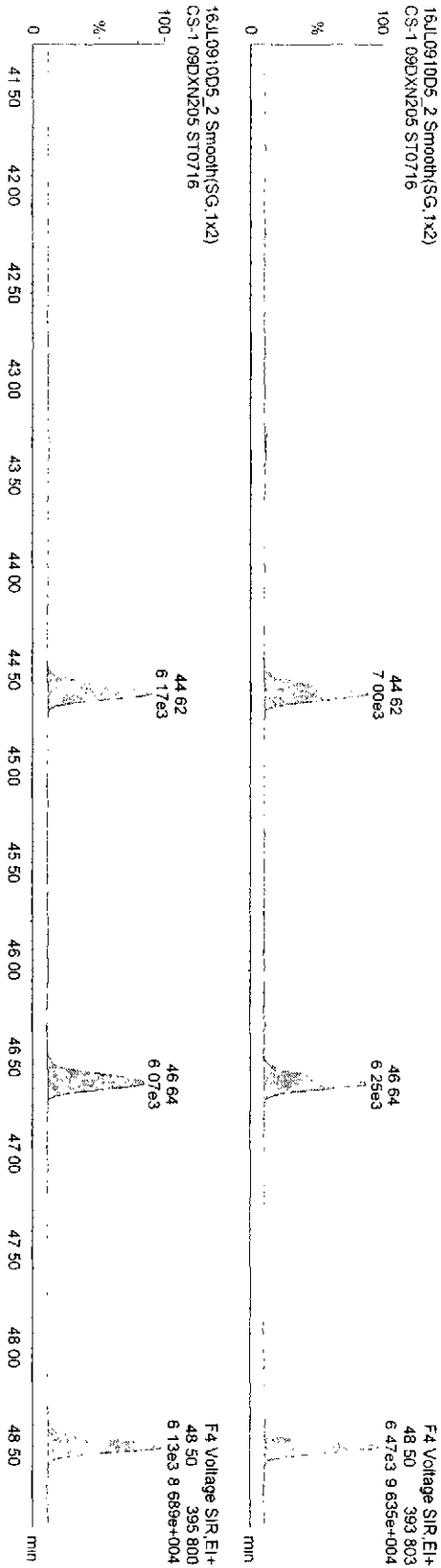
Dataset C:\MassLynx\Default\pro\CA0716200910D51668MSL.qld

Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time

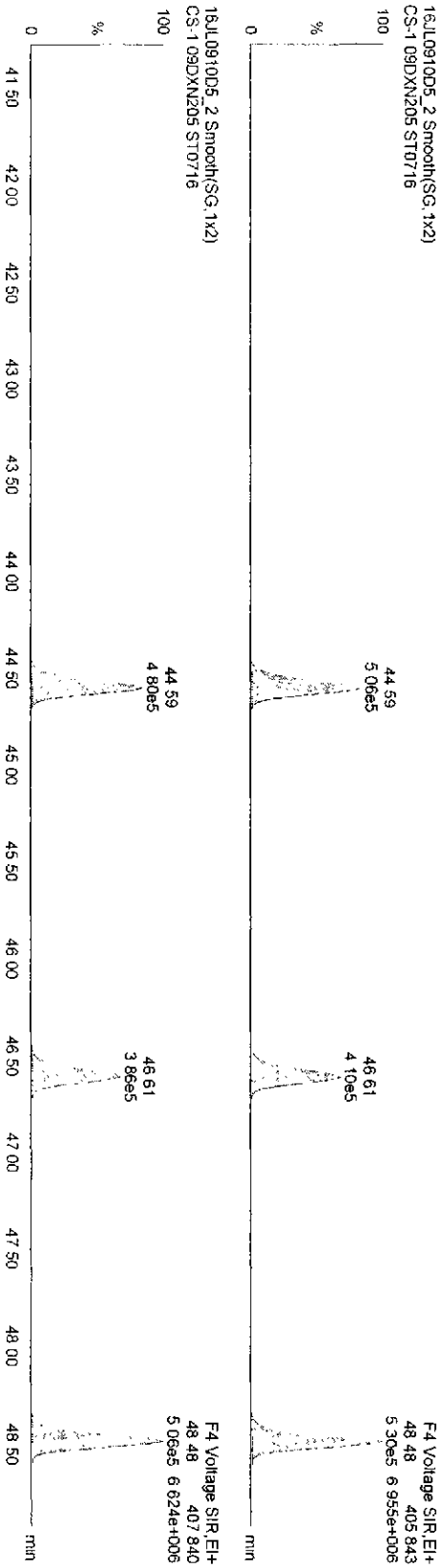
Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

**HppCBCs**

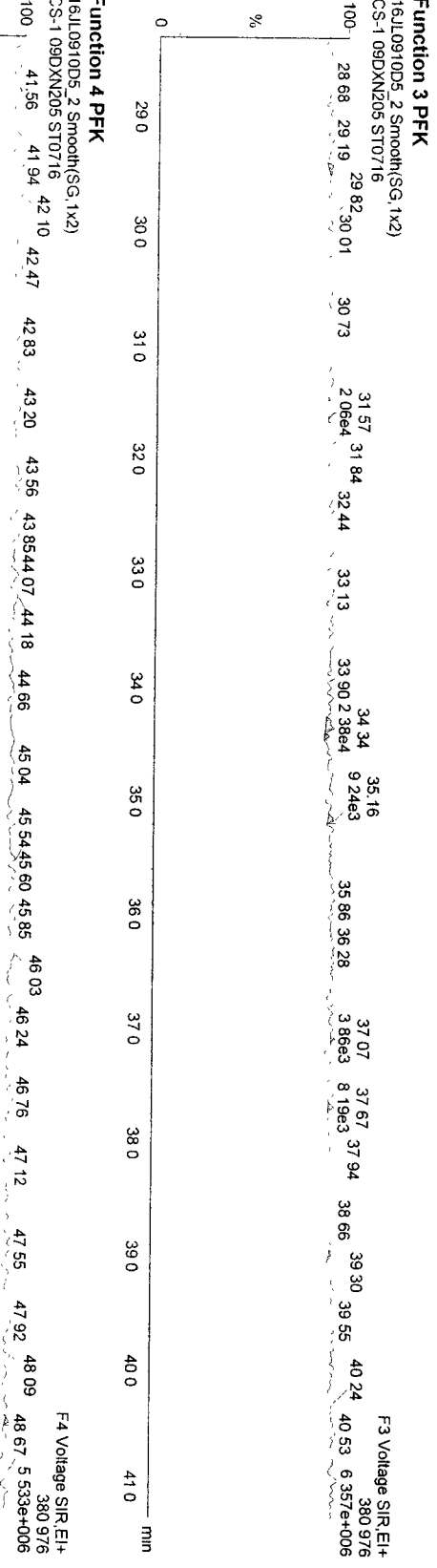
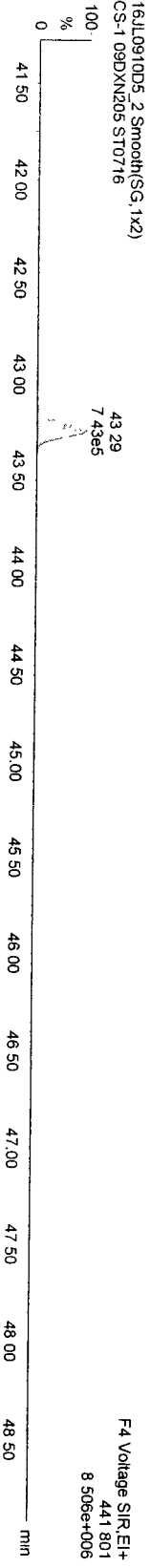
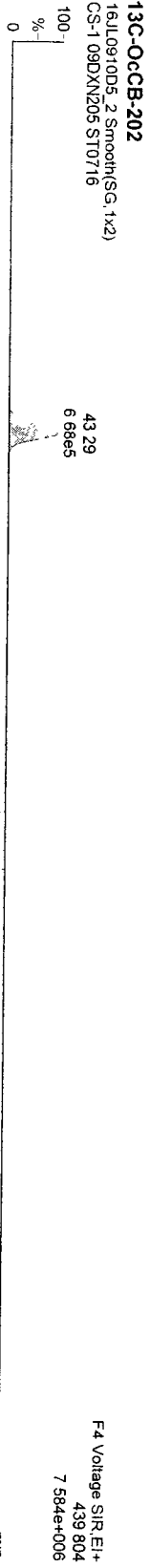


**13C-HppCBCs**



Dataset C:\MassLynx\Default\prol\CA0716200910D51668MSL.qld  
 Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
 Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205



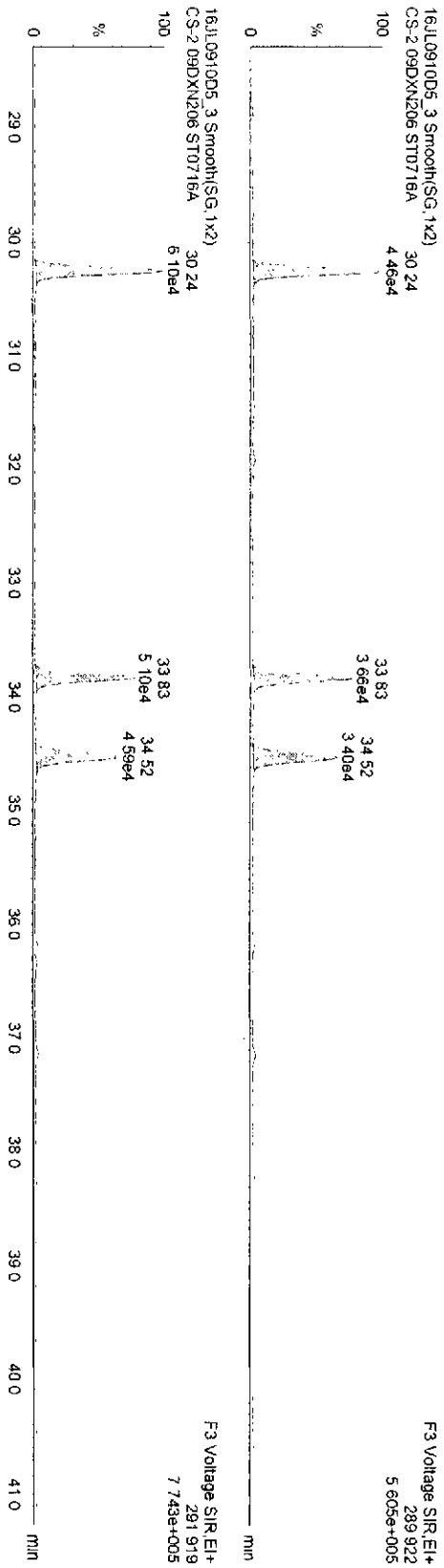
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Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time

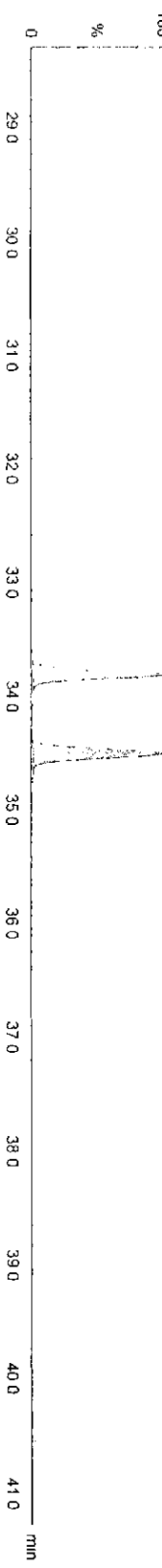
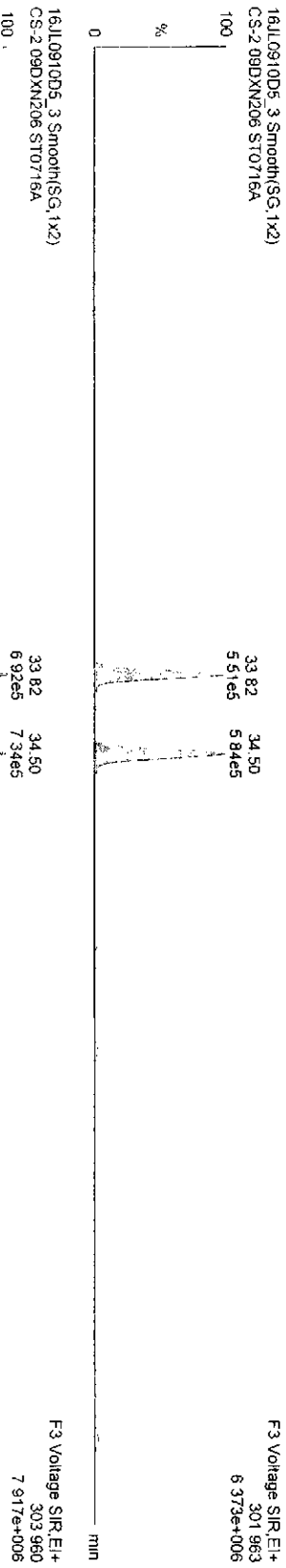
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

**TetraPCBs**



**13C-TetrasPCBs**

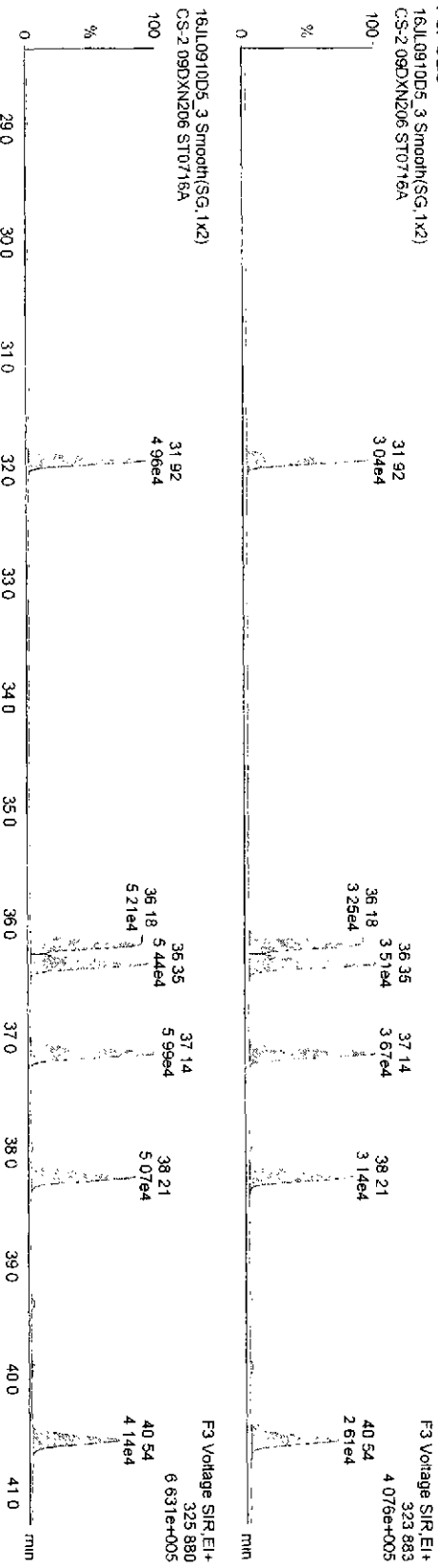


Dataset: C:\MassLynx\Default pro\CA0716200910D516S8MSL.qld

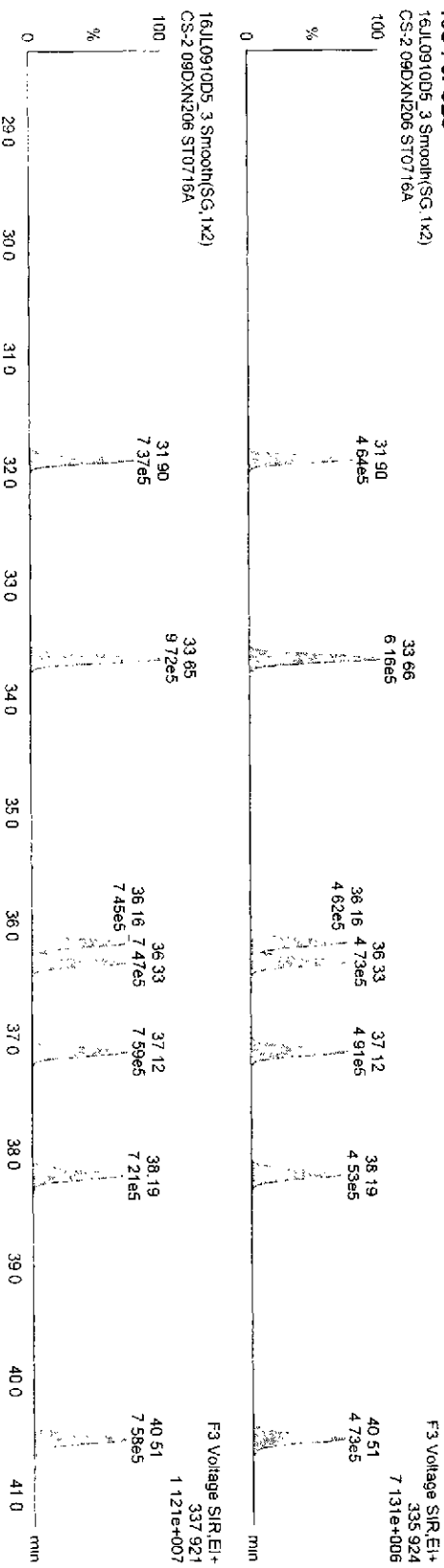
Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
 Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

**PePCBs**



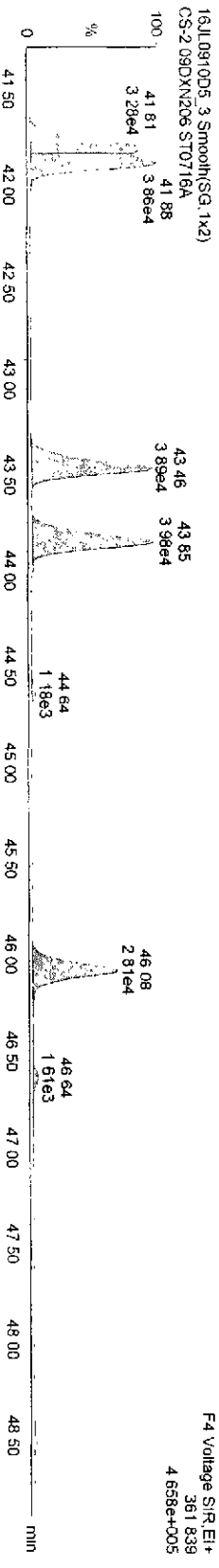
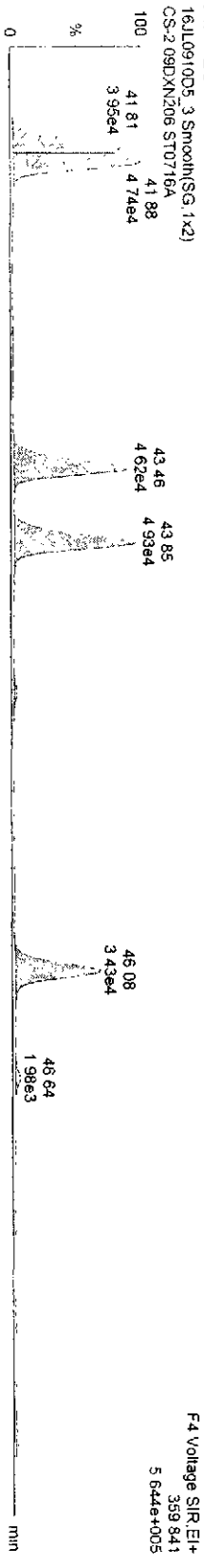
**13C-PePCBs**



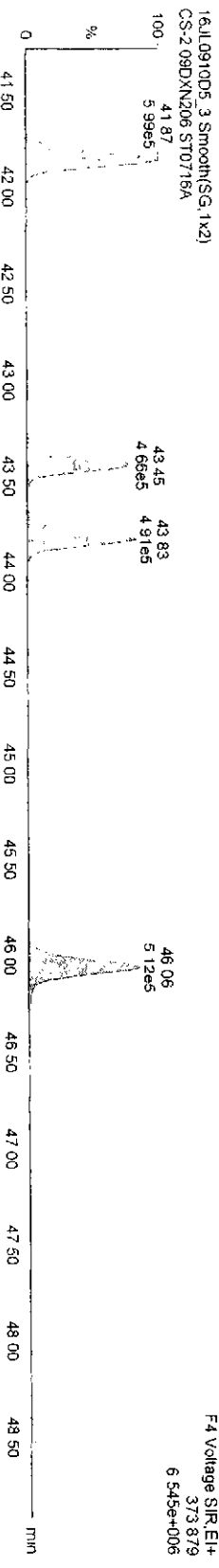
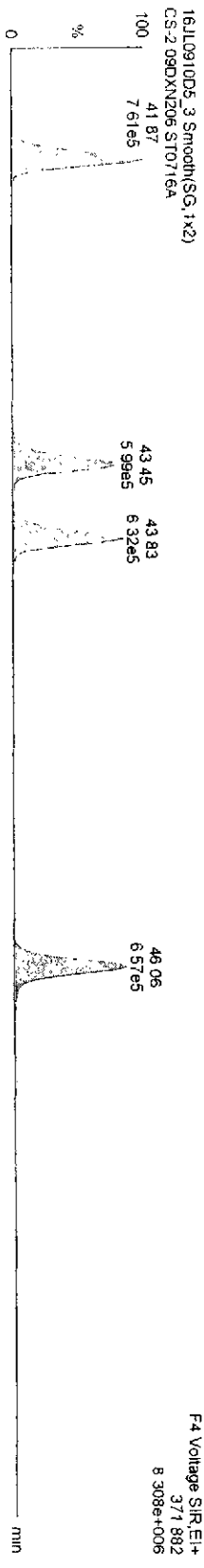
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Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

HxPCBS-



13C-HxPCBS



Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSL.qid

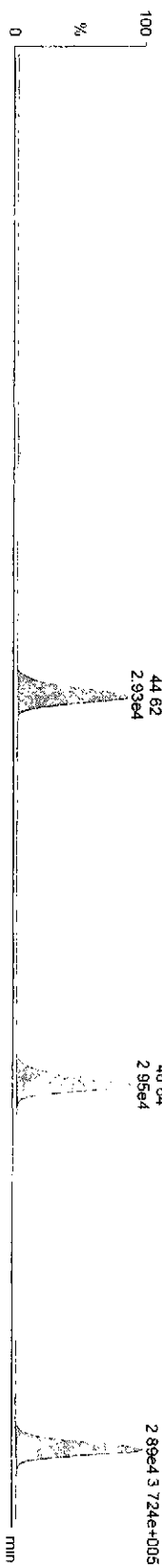
Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time

Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

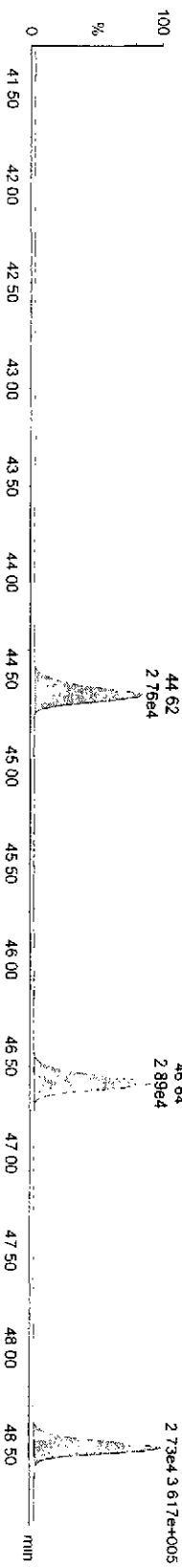
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HPPCBs

16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A

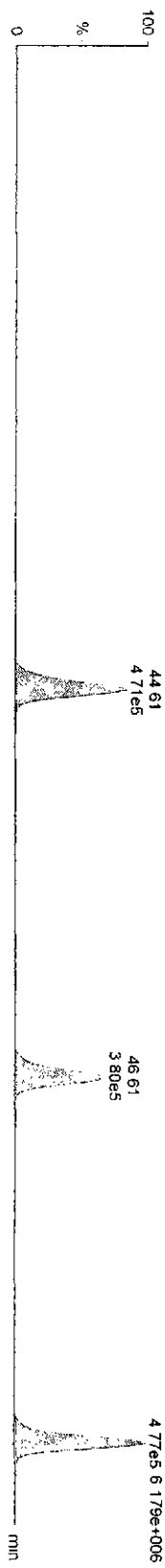


16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A

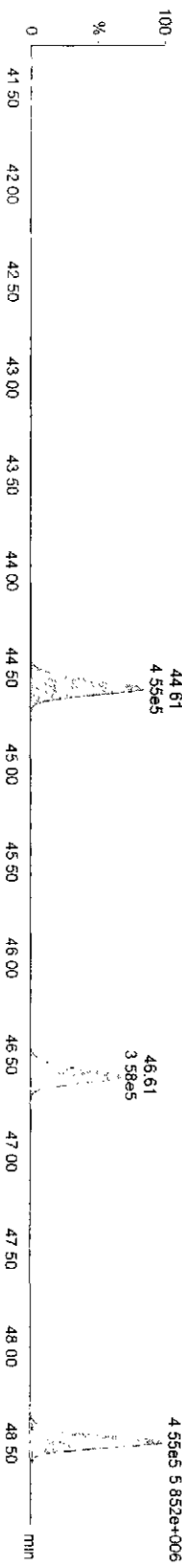


13C-HPPCBs

16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A



16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A



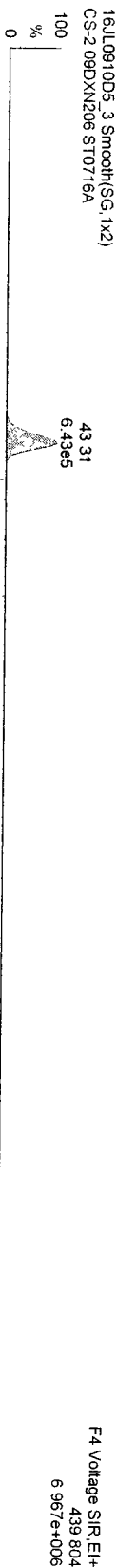
Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\proil\CA0716200910D51668MSL.qld

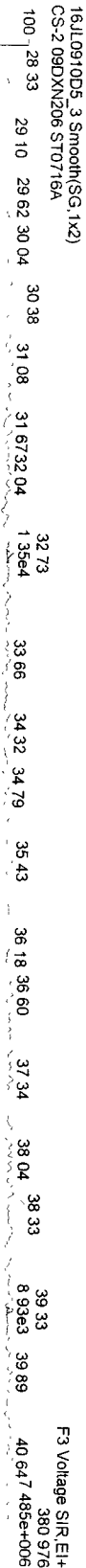
Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

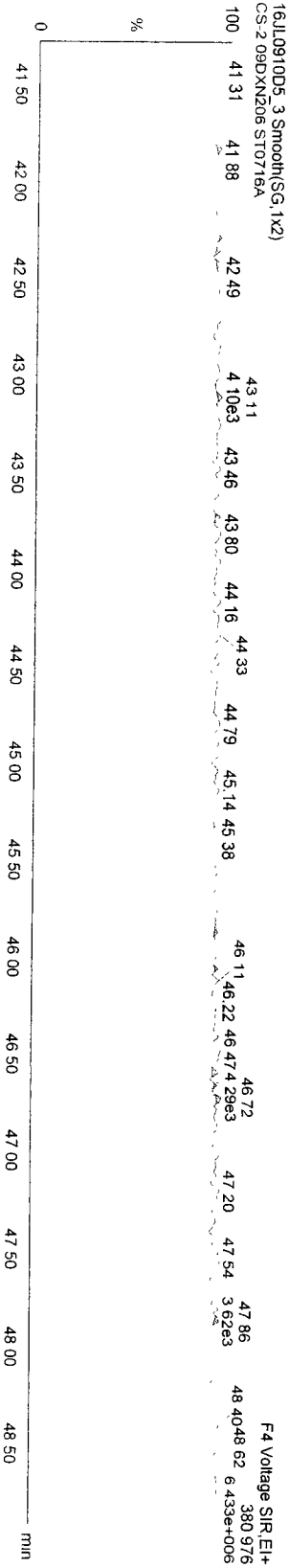
13C-OCcB-202



Function 3 PFK



Function 4 PFK



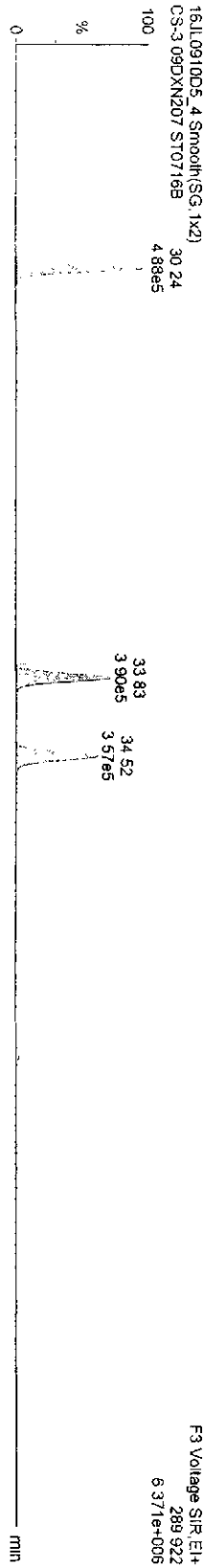


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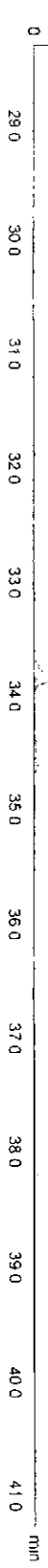
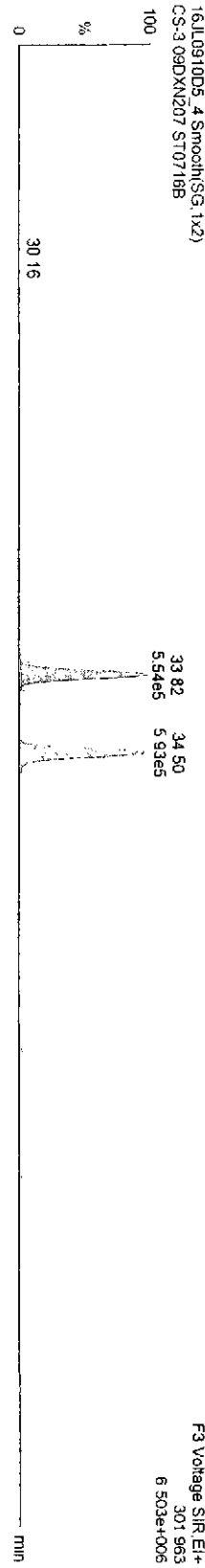
Last Altered: Friday, July 17, 2009 8 26 51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8 29 48 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

**TetraPCBs**



**13C-TetraPCBs**



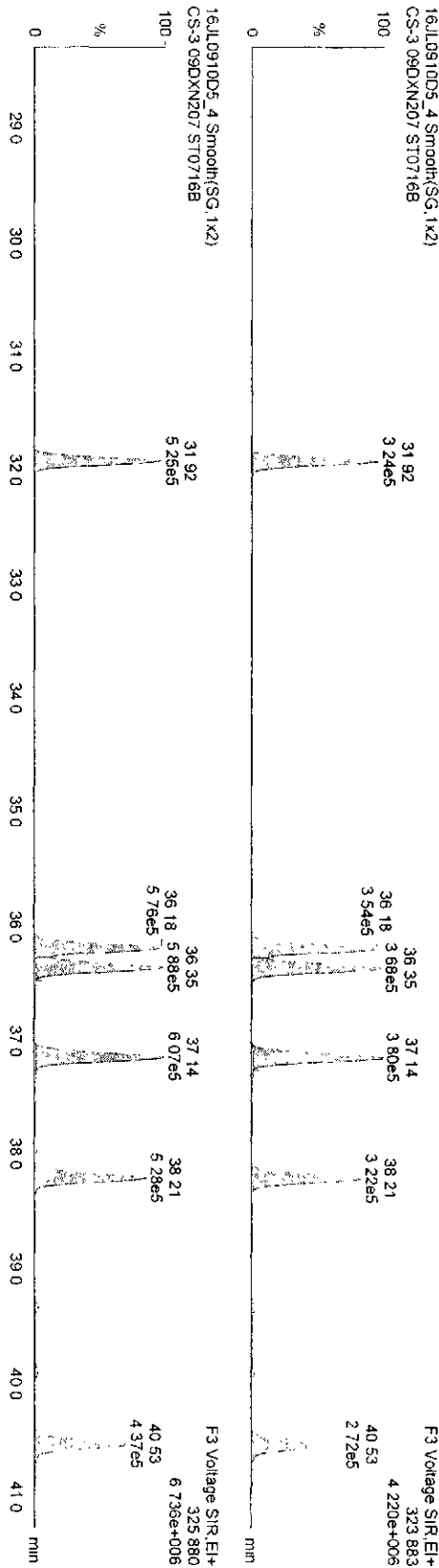
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Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time

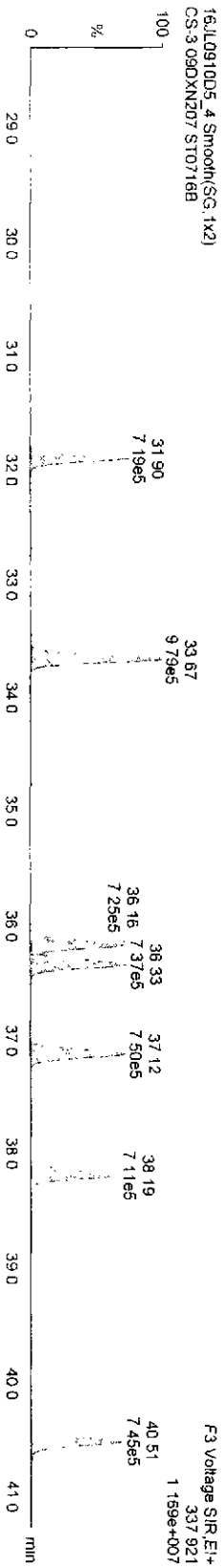
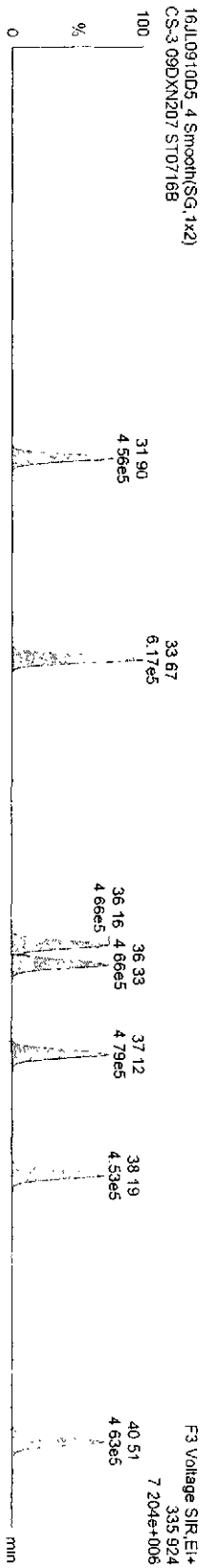
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

**PePCBs**



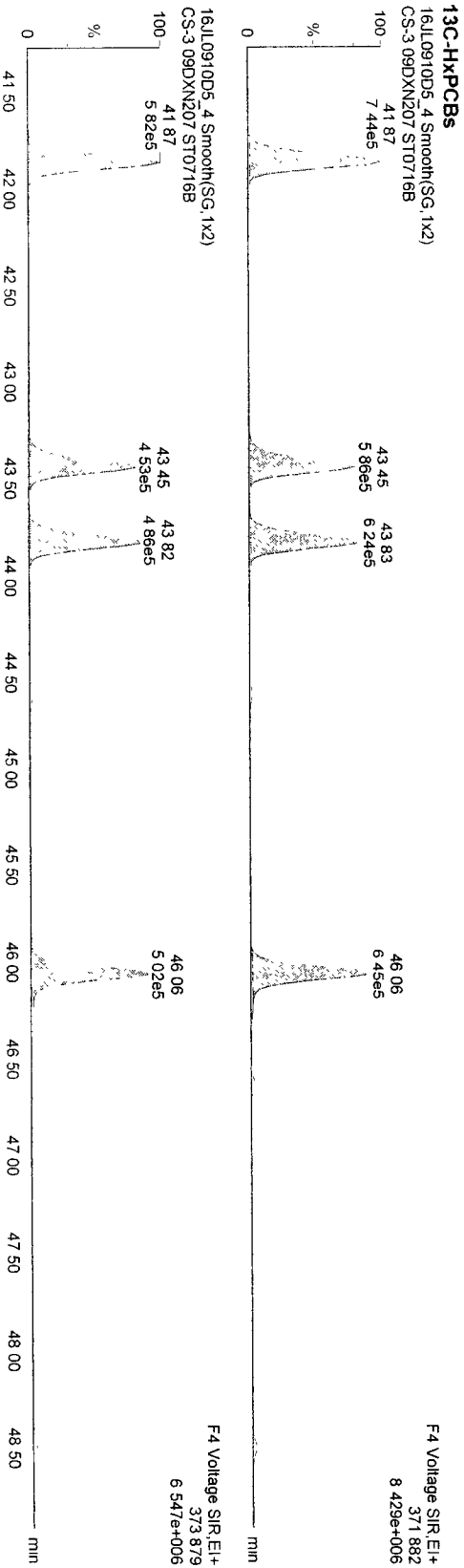
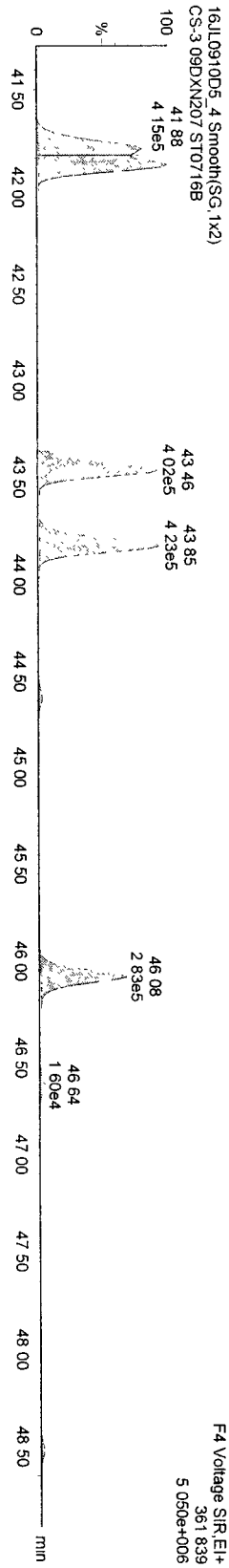
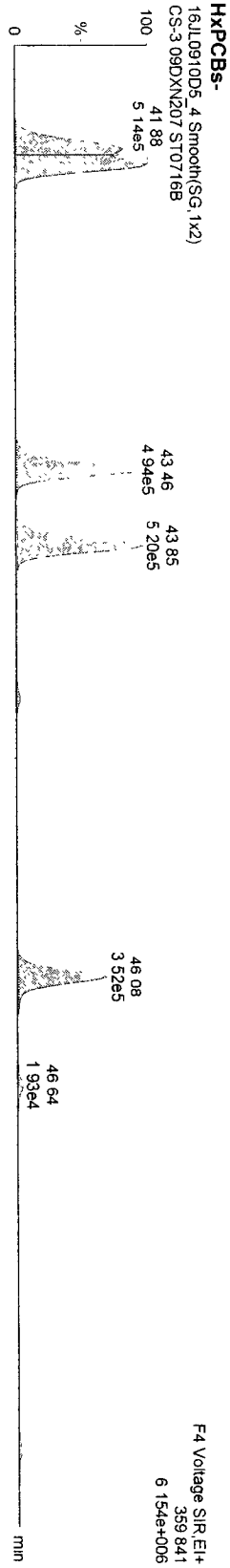
**13C-PaPCBs**



Dataset: C:\MassLynx\Default pro\CA0716200910D51668MSL.qld

Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207



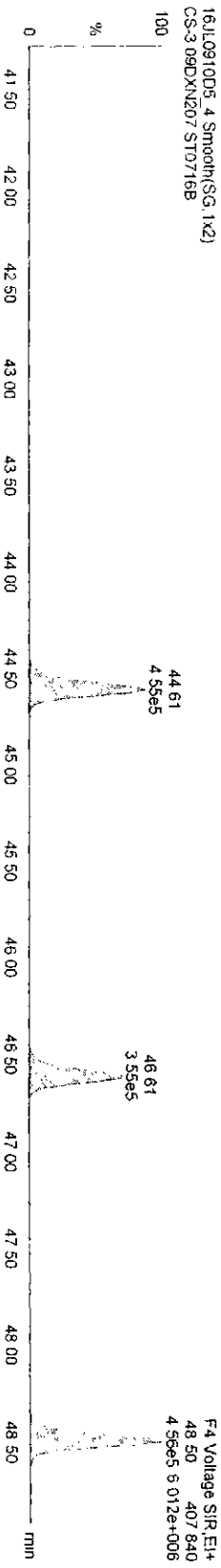
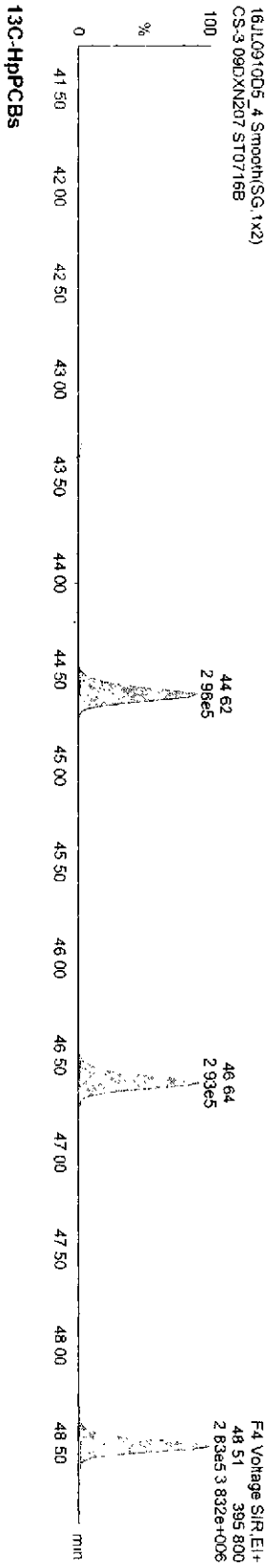
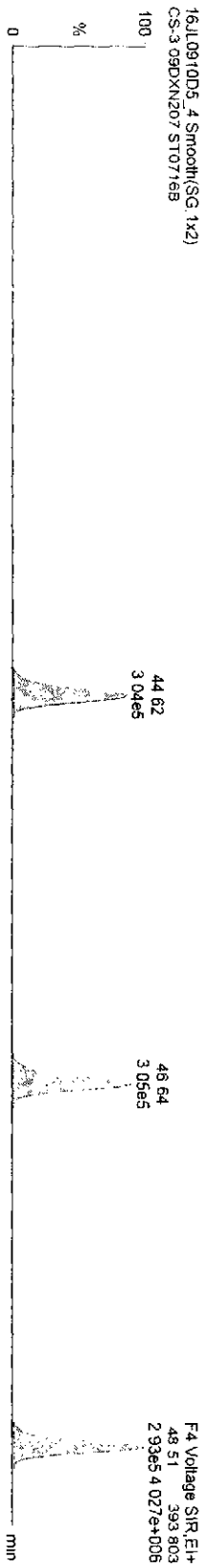
Quantity Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default pro\CA0716200910D51668MSL.qid

Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

HPPCBs

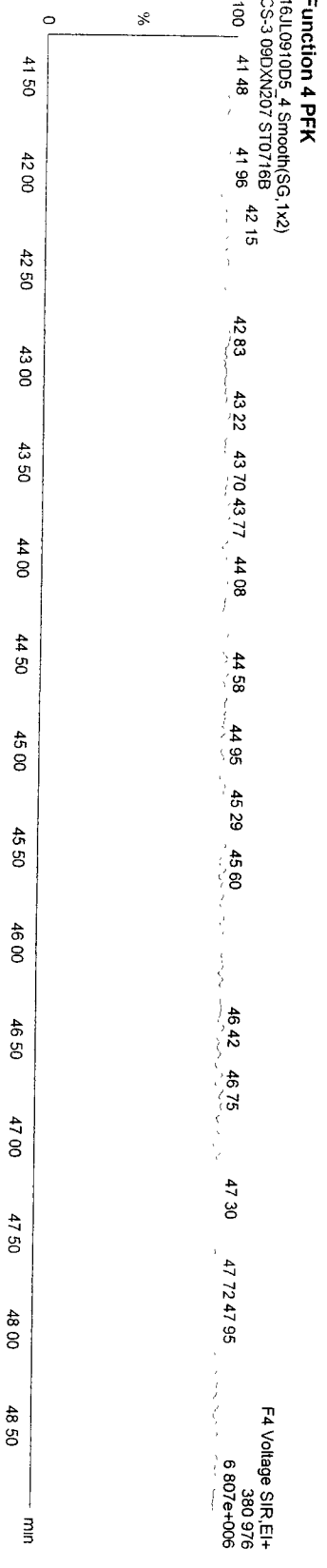
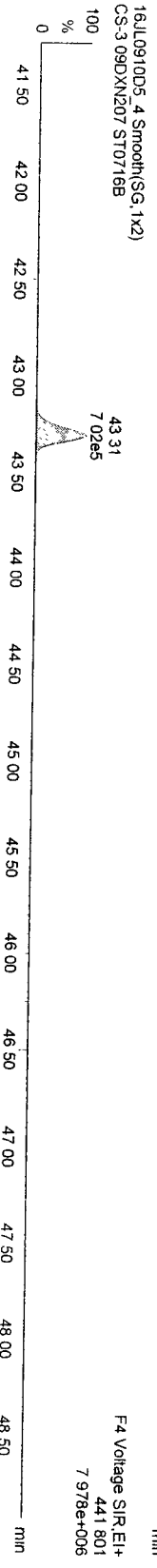
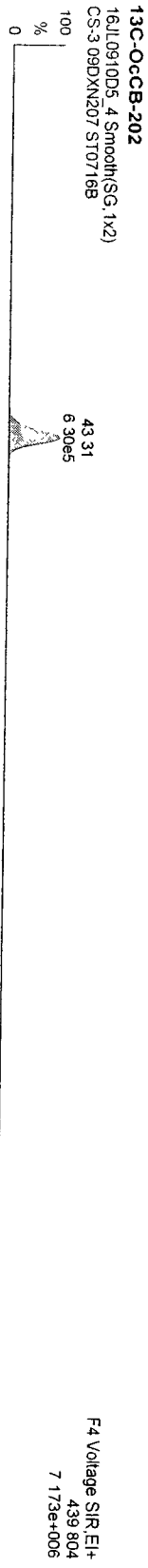


Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\pro\CA0716200910D51668MSL.qld

Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
 Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

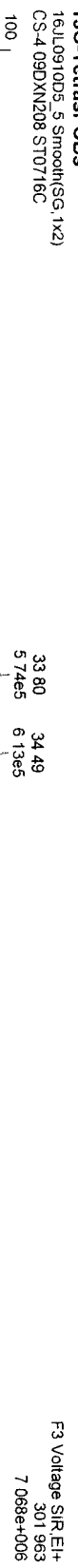
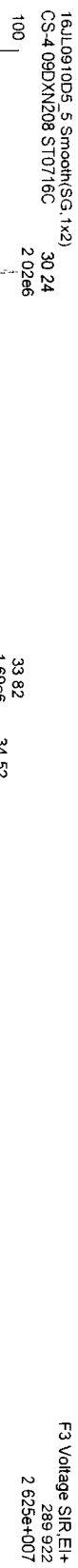


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Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

**TetraPCBs**



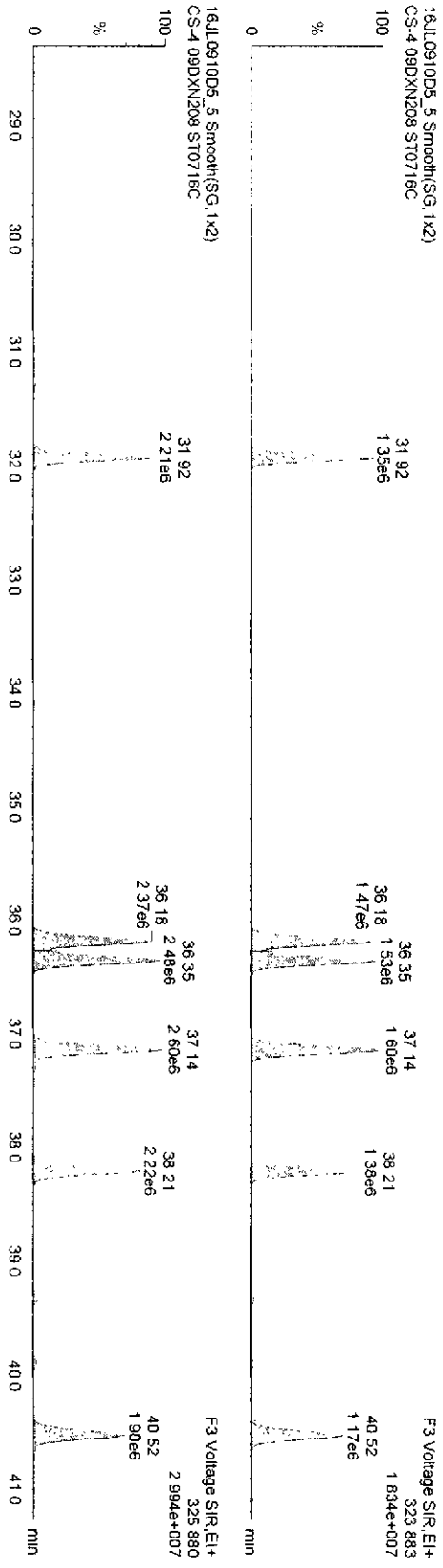
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Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time

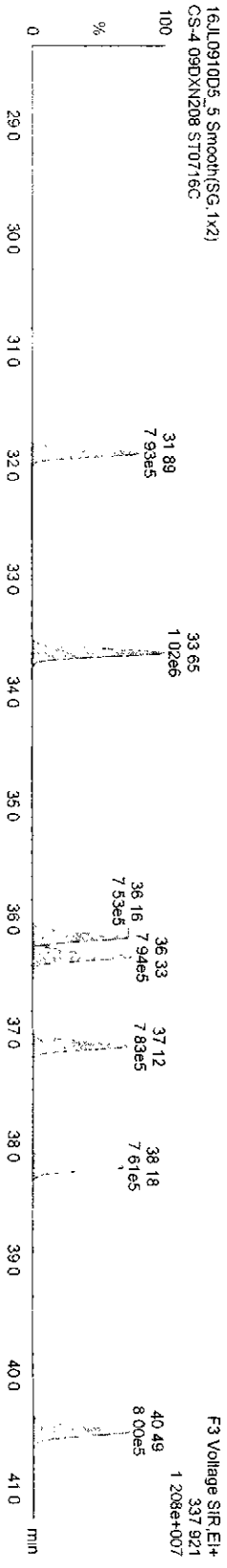
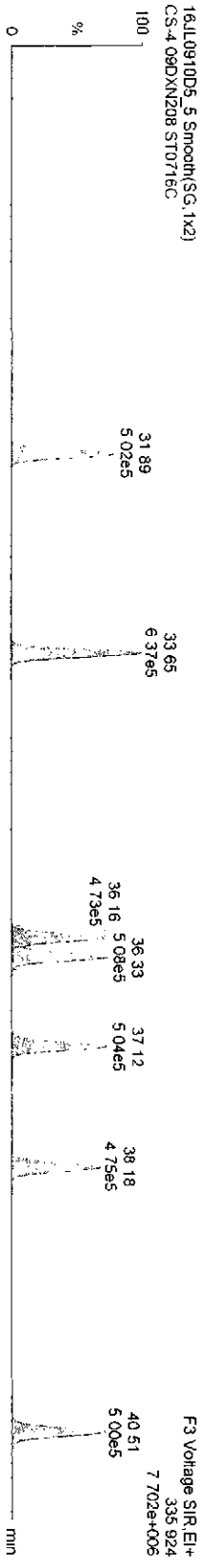
Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

PePCBs



13C-PePCBs

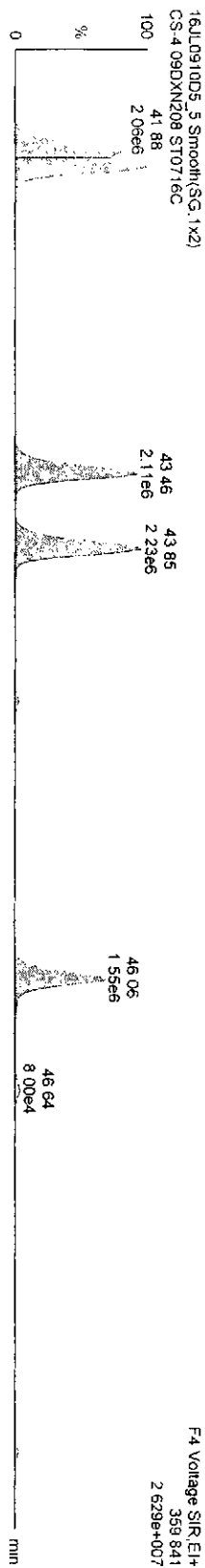


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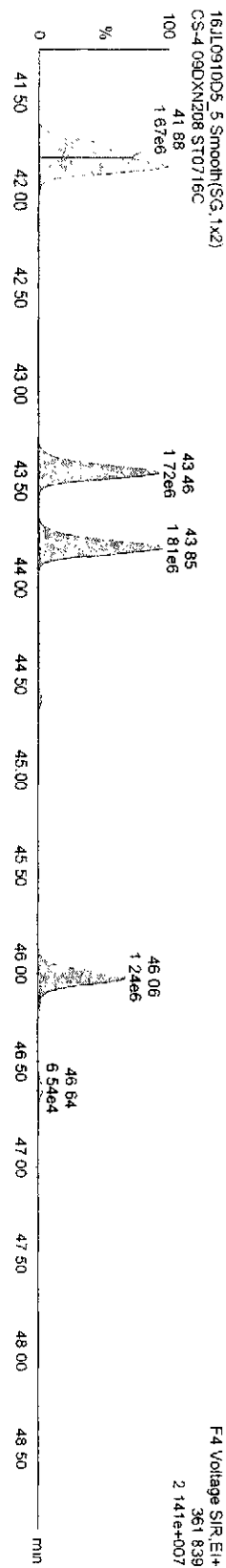
Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
 Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

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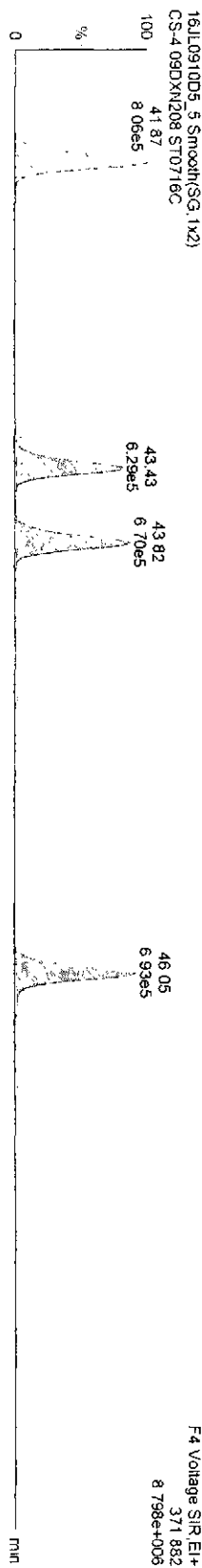
**HxPCBS-**



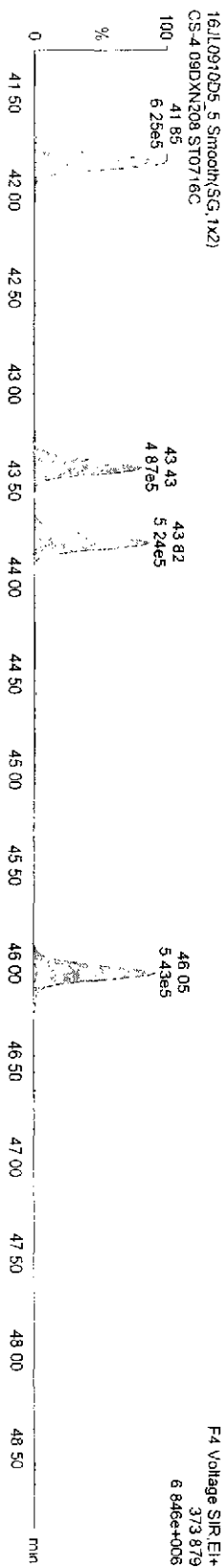
**13C-HxPCBS**



**13C-HxPCBS**



**13C-HxPCBS**



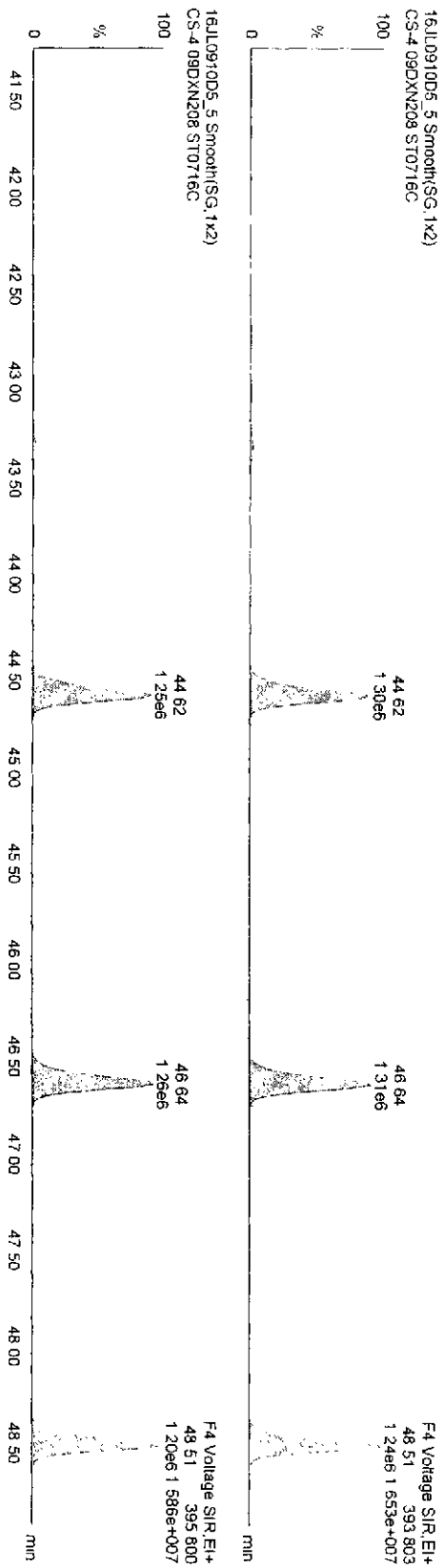


Dataset: C:\Masslynx\Default\prof\CA0716200910D51668MSL.qld

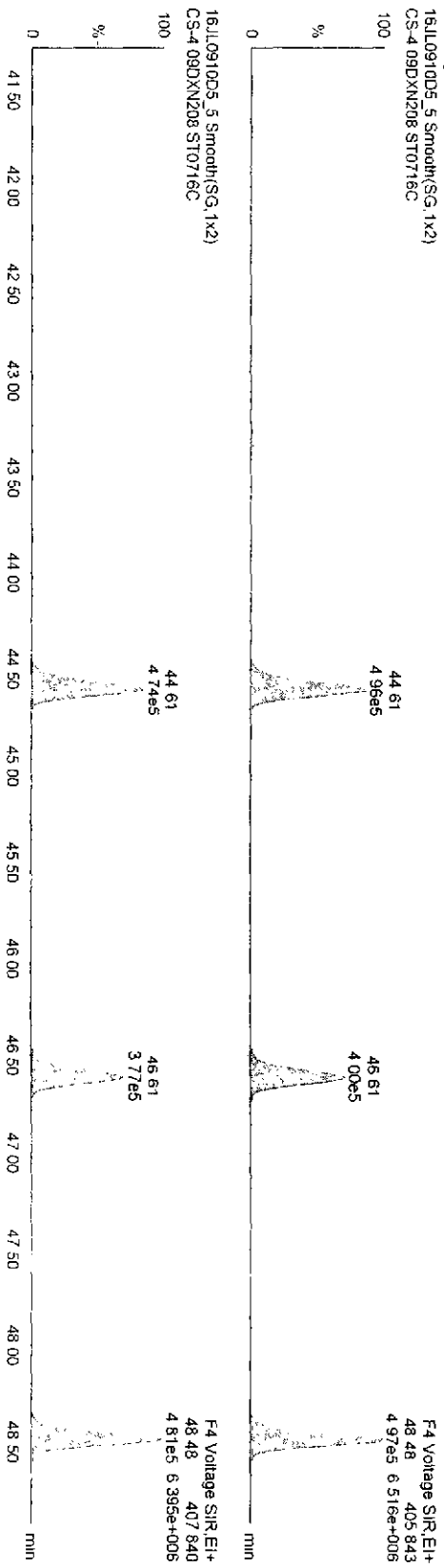
Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

**HPPCBs**



**13C-HPPCBs**



Dataset: C:\MassLynx\Default\pro1\CA0716200910D51668MSL.qid

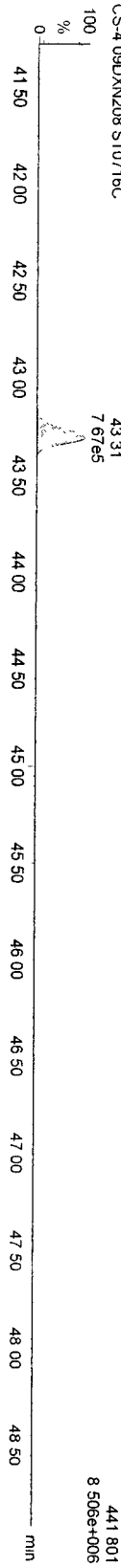
Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

13C-OCGB-202



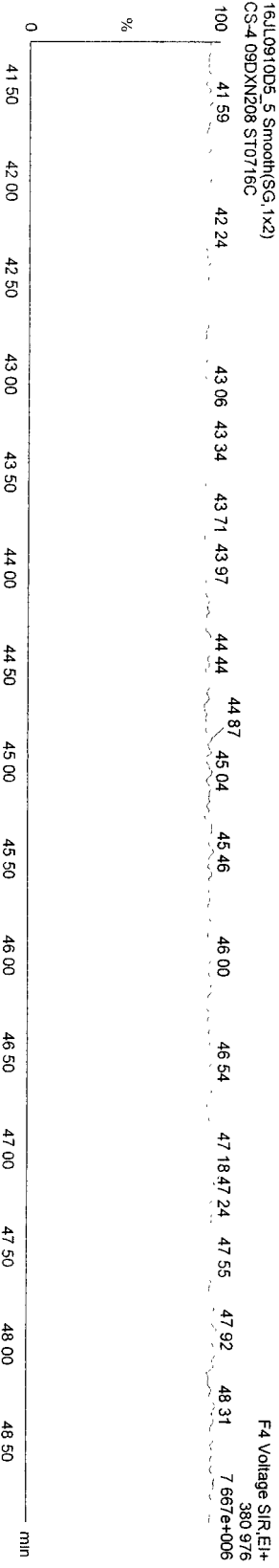
16JL0910D5\_5 Smooth(SG, 1x2)



Function 3 PFK



Function 4 PFK

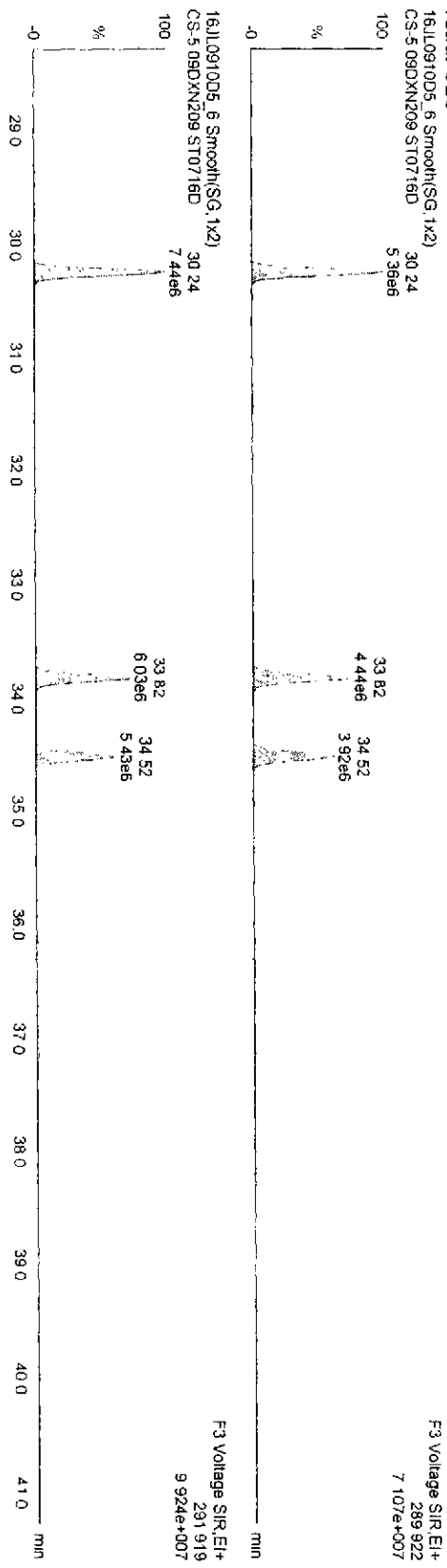


Dataset C:\MassLynx\Default pro\CA0716200910D51668MSL.qld

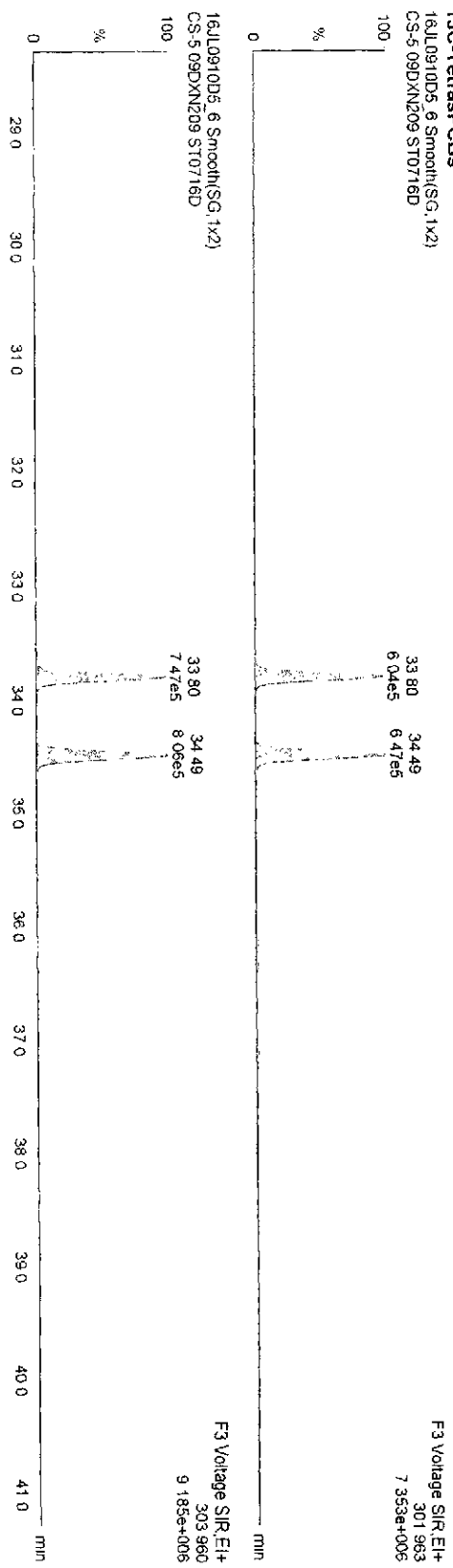
Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

TetraPCBs



13C-TetraPCBs

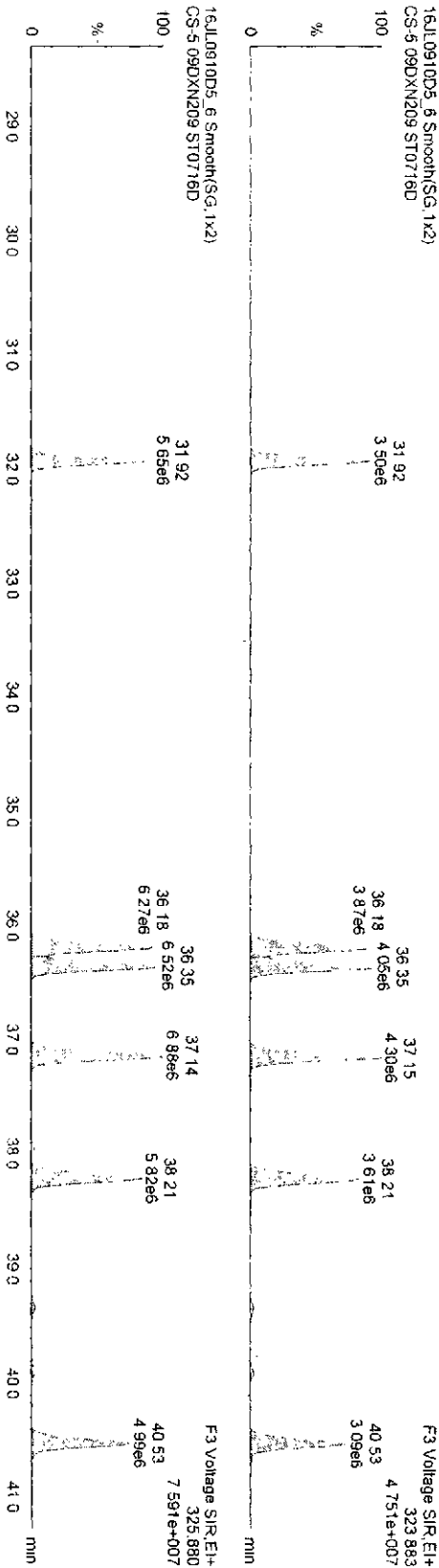


Dataset: C:\Masslynx\Default\prol\CA0716200910D51668M\SL.qld

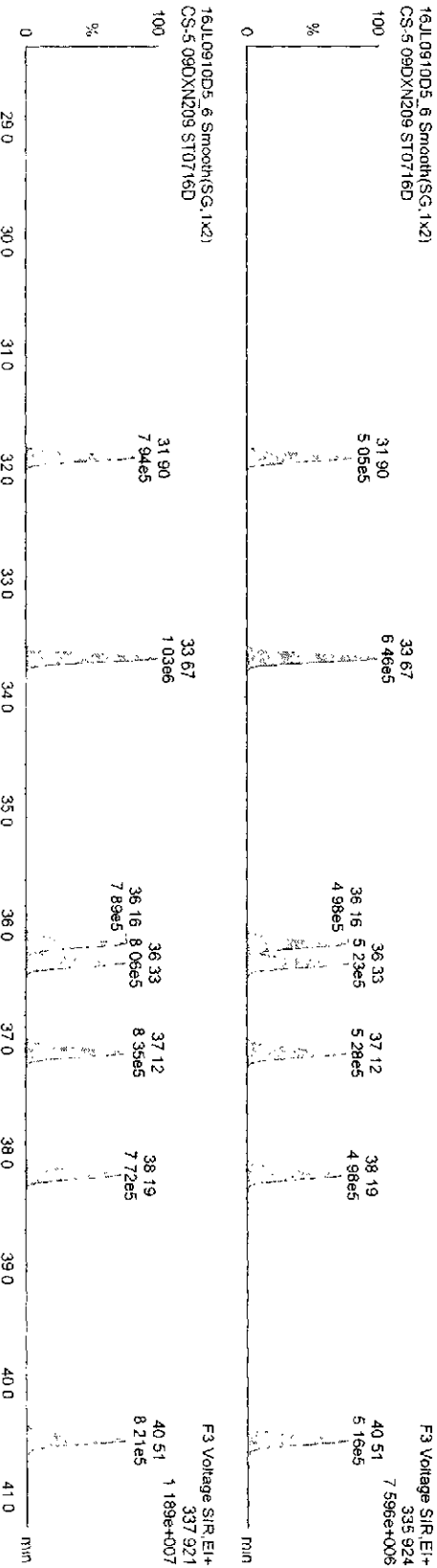
Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16Jul0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

**PePCBs**



**13C-PePCBs**

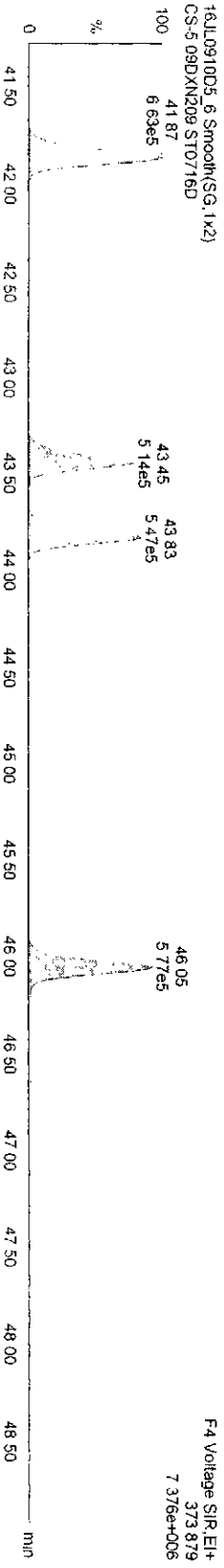
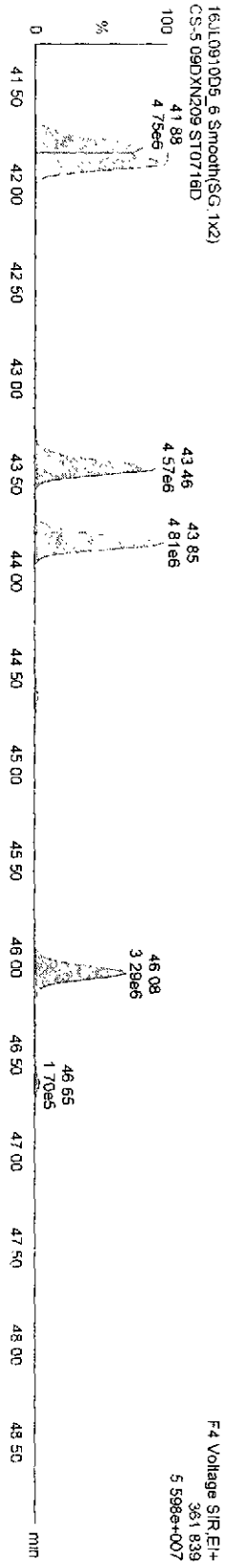
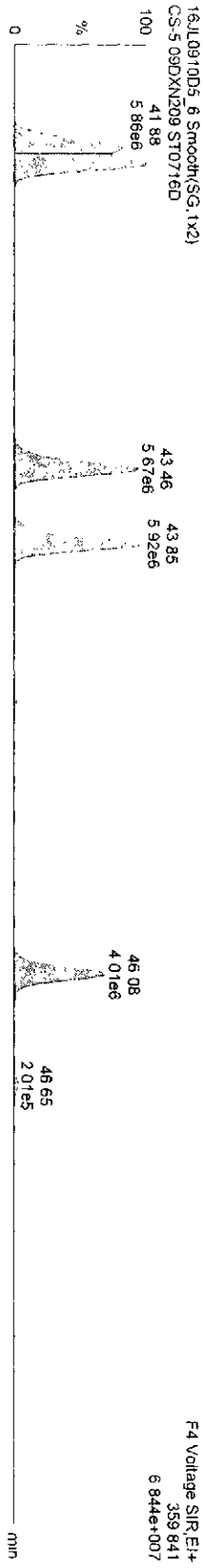


Dataset C:\MassLynx\Default\prof\CA0716200910D51668MSL.qid

Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

HXPCBs-



Dataset C:\MassLynx\Default\prol\CA0716200910D51668MSL.qld

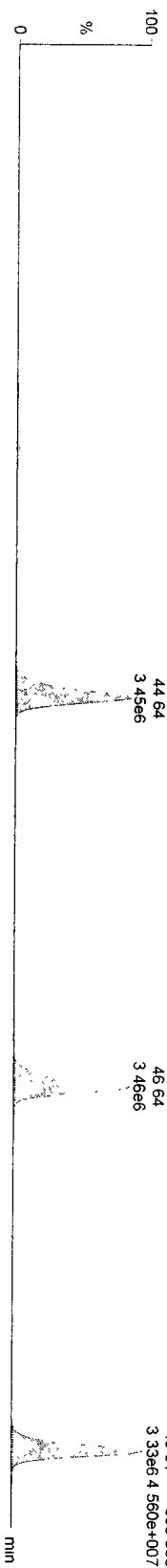
Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time

Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

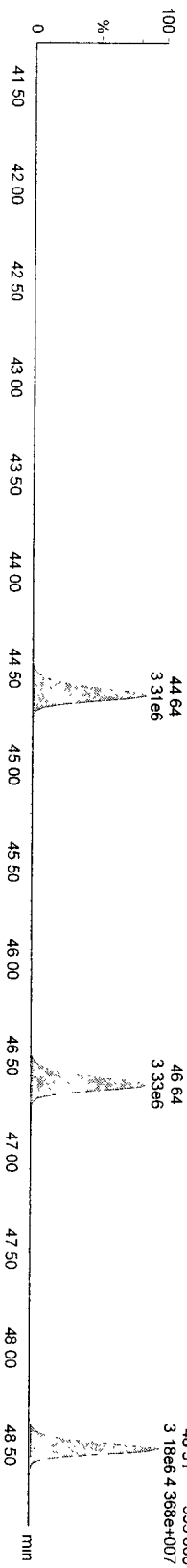
Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

**HPPCBs**

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D

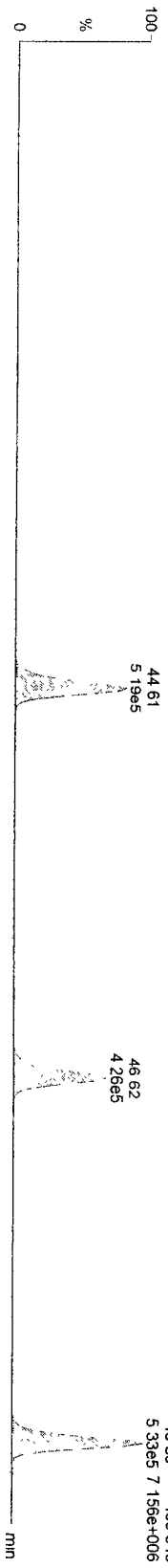


16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D

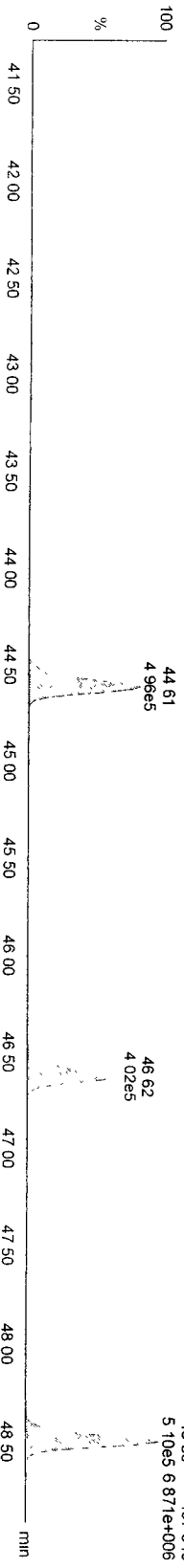


**13C-HPPCBs**

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSL.qld

Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

13C-OCCB-202

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D

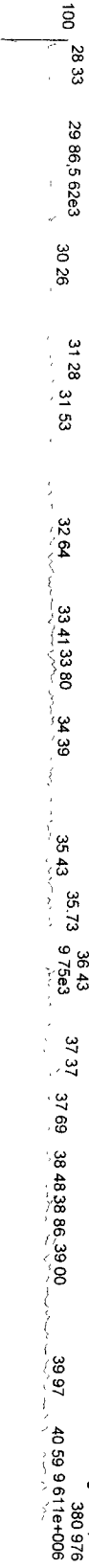


16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



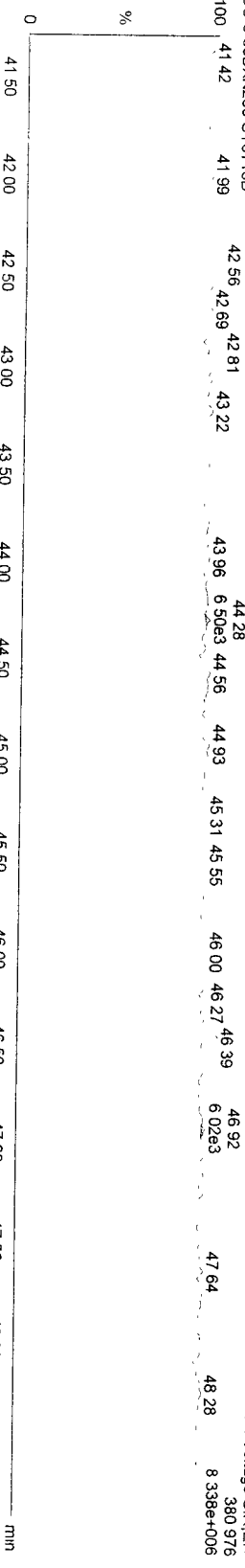
Function 3 PFK

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



Function 4 PFK

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSL2ndsource.qld

Last Altered: Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
 Printed: Tuesday, July 21, 2009 15:57:44 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Method\1668MSL10DB5.mdb 21 Jul 2009 07:34:24  
 Calibration: C:\MassLynx\Default.pro\Curved\1CA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

# Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	1.000	31.90	32.13	1.00000	1470466.81	100.0000	100.0000	100.0	0.05400		0.65	NO	
2														
3 13C-TeCB-81	301.963	1.000	33.82	33.85	1.03984	1610148.06	105.3037	105.3037	105.3	0.05886		0.79	NO	
4 TeCB-81	289.922	1.000	33.83	33.83	1.45839	2117289.38	90.1658	90.1658	103.7	0.04653		0.74	NO	
5 13C-TeCB-77	301.963	1.000	34.50	34.55	1.10430	1683224.19	103.6572	103.6572	103.7	0.05543		0.79	NO	
6 TeCB-77	289.922	1.000	34.52	34.52	1.27061	1973168.13	92.2595	92.2595	105.7	0.05143		0.76	NO	
7														
8 13C-PeCB-123	335.924	1.000	36.16	36.18	0.99324	1532208.75	104.9083	104.9083	104.9	0.05436		0.63	NO	
9 PeCB-123	323.883	1.000	36.20	36.18	1.50539	1759145.25	76.2668	76.2668	104.5	0.05843		0.62	NO	
10 13C-PeCB-118	335.924	1.000	36.33	36.35	1.02407	1572983.44	104.4572	104.4572	102.1	0.05273		0.64	NO	
11 PeCB-118/106	323.883	1.000	36.37	36.35	1.52536	3508659.50	146.2330	146.2330	105.7	0.05702		0.62	NO	
12 13C-PeCB-114	335.924	1.000	37.12	37.14	1.03691	1612395.63	105.7488	105.7488	105.3	0.05207		0.64	NO	
13 PeCB-114	323.883	1.000	37.15	37.14	1.58603	1671774.44	65.3723	65.3723	102.1	0.05337		0.62	NO	
14 13C-PeCB-105	335.924	1.000	38.19	38.21	0.98151	1520435.63	105.3461	105.3461	102.1	0.05501		0.65	NO	
15 PeCB-105/127	323.883	1.000	38.23	38.21	1.43326	3561897.75	163.4509	163.4509	100.3	0.06446		0.62	NO	
16 13C-PeCB-126	335.924	1.000	40.51	40.56	1.02999	1545906.50	102.0695	102.0695	102.1	0.05242		0.63	NO	
17 PeCB-126	323.883	1.000	40.54	40.54	1.15582	1658692.44	92.8312	92.8312	100.0	0.08124		0.62	NO	
18														
19 13C-OcCB-202	439.804	1.000	43.31	43.51	1.00000	1688443.75	100.0000	100.0000	100.0	0.02037		0.90	NO	
20														
21 13C-HxCB-167	371.882	1.000	41.87	41.90	1.00247	1715750.19	101.3672	101.3672	101.4	0.04312		1.27	NO	
22 HxCB-167	359.841	1.000	41.90	41.90	1.34796	1659150.94	71.7388	71.7388	102.9	0.03818		1.08	NO	
23 13C-HxCB-156	371.882	1.000	43.45	43.48	0.78510	1364232.75	102.9140	102.9140	102.9	0.05505		1.29	NO	
24 HxCB-156	359.841	1.000	43.48	43.48	1.68840	1803329.50	78.2908	78.2908	102.5	0.03726		1.23	NO	
25 13C-HxCB-157	371.882	1.000	43.83	43.87	0.83526	1446005.38	102.5319	102.5319	100.3	0.05175		1.29	NO	
26 HxCB-157	359.841	1.000	43.87	43.85	1.65965	1723649.81	71.8229	71.8229	100.3	0.03615		1.22	NO	
27 13C-HxCB-169	371.882	1.000	46.06	46.11	0.87128	1475827.50	100.3211	100.3211	100.3	0.04961		1.26	NO	
28 HxCB-169	359.841	1.000	46.08	46.10	1.09832	1474839.81	90.9875	90.9875	103.5	0.05244		1.21	NO	
29														
30 13C-HpCB-180	405.843	1.000	44.61	44.62	0.66403	1195299.69	103.4944	103.4944	103.5	0.03057		1.04	NO	
31 HpCB-180	393.893	1.000	44.64	44.64	1.30035	1268602.00	81.6184	81.6184	104	0.05965		1.04	NO	



Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSL2ndsource.qld

Last Altered: Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
 Printed: Tuesday, July 21, 2009 15:57:44 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

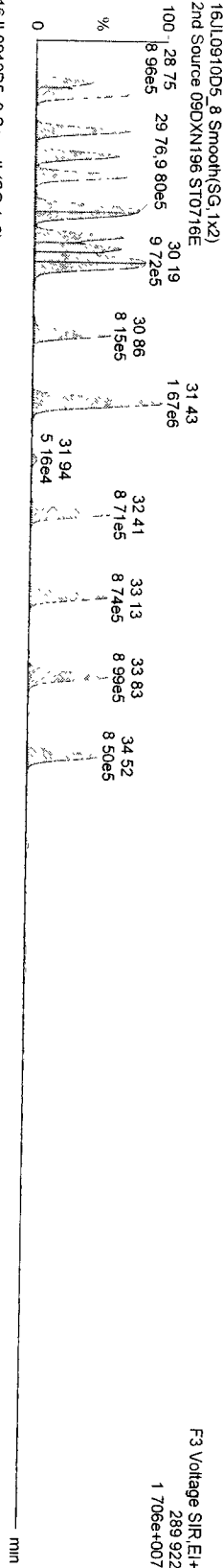
# Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fi...	Mod Date
32 13C-HpCB-170	405 843	1 000	46.62	46.64	0.54773		966535.94	104.5113	104.5113	104.5	0.03818	1.06	NO	
33 HpCB-170	393 803	1 000	46.65	46.64	1.61501		1170576.13	74.9906	74.9906	102.5	0.05931	1.03	NO	
34 13C-HpCB-189	405.843	1 000	48.50	48.48	0.69767		1207214.94	102.4822	102.4822	102.5	0.02997	1.04	NO	
35 HpCB-189	393 803	1 000	48.51	48.53	1.23073		1325001.06	89.1805	89.1805	102.5	0.05490	1.04	NO	
36														
37 13C-PeCB-111	335.924	1 000												
38														
39 Function 3 PFK	380 976	1 000												
40 Function 4 PFK	380 976	1 000												

Dataset: C:\MassLynx\Default\pro\CA07162\200910D51668MSL2\2ndsource.qld

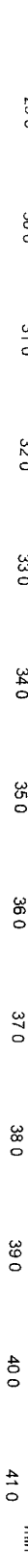
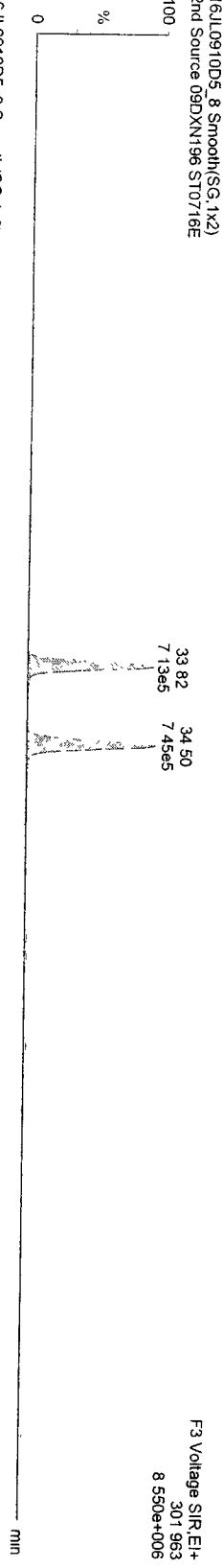
Last Altered Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
 Printed Tuesday, July 21, 2009 15:58:00 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

**TetraPCBs**



**13C-TetrapsPCBs**



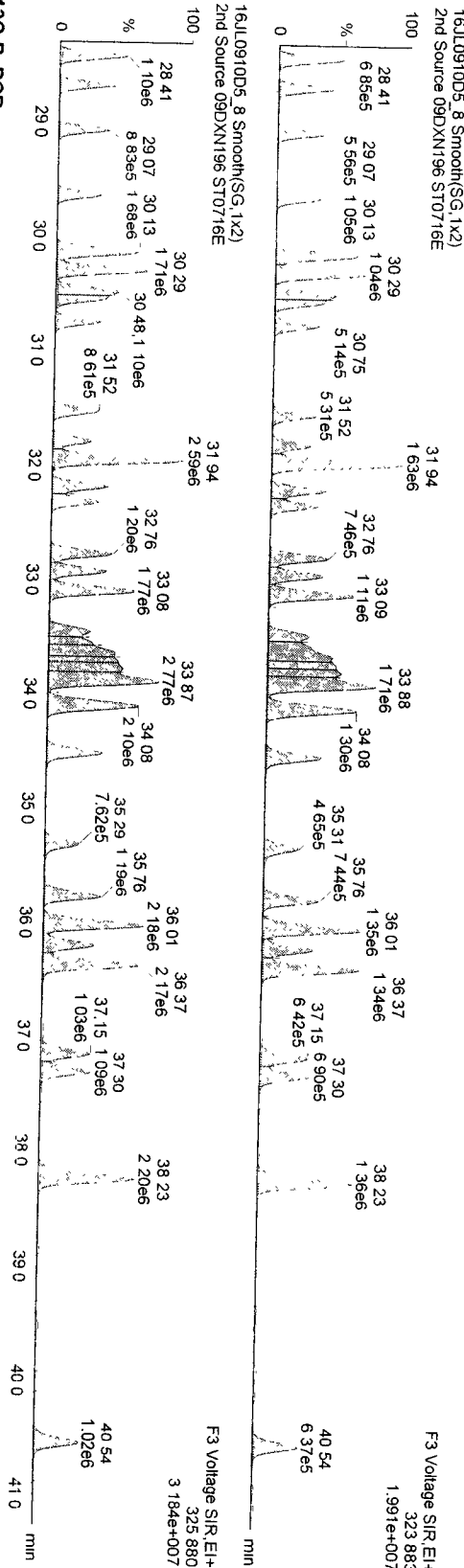
Quantity Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\pro\CA07162\200910D5\1668MSL\2ndsource.qld

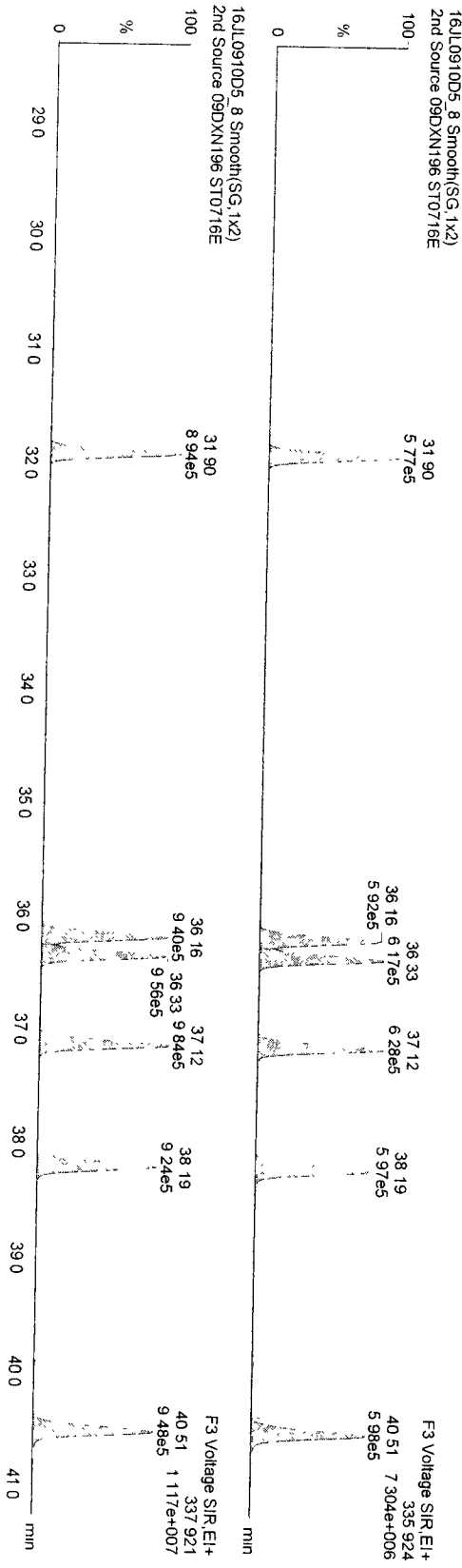
Last Altered Tuesday, July 21, 2009 15:58:04 Pacific Daylight Time  
 Printed Tuesday, July 21, 2009 15:58:00 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

PePCBs



13C-PePCBs

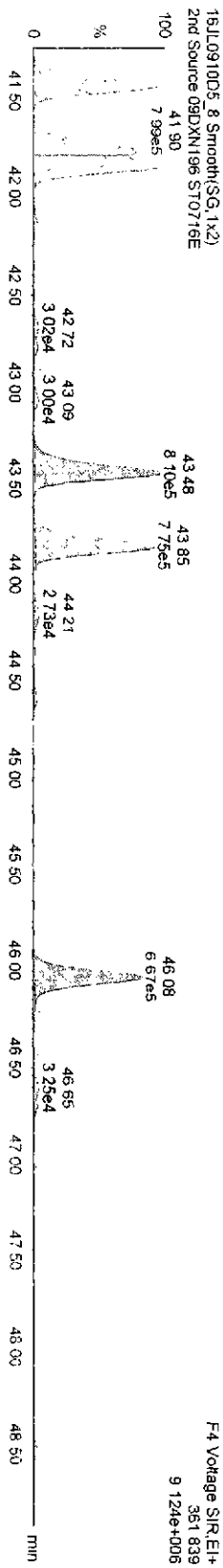
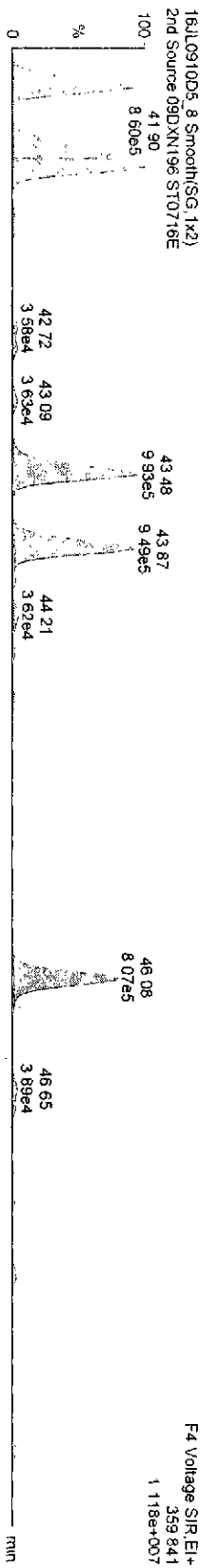


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSL2ndsource.qld

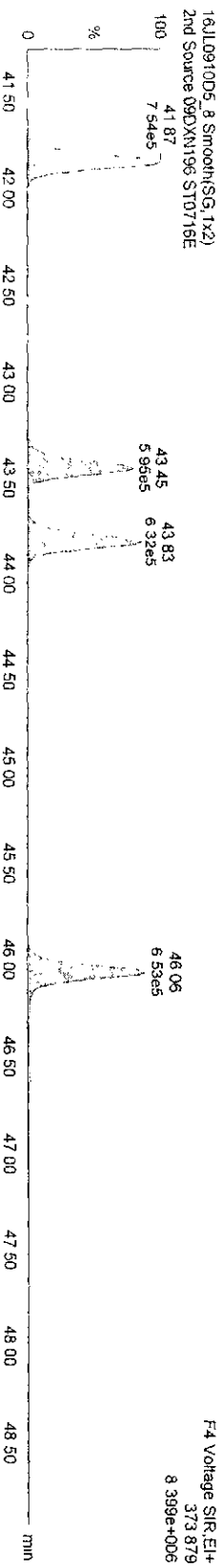
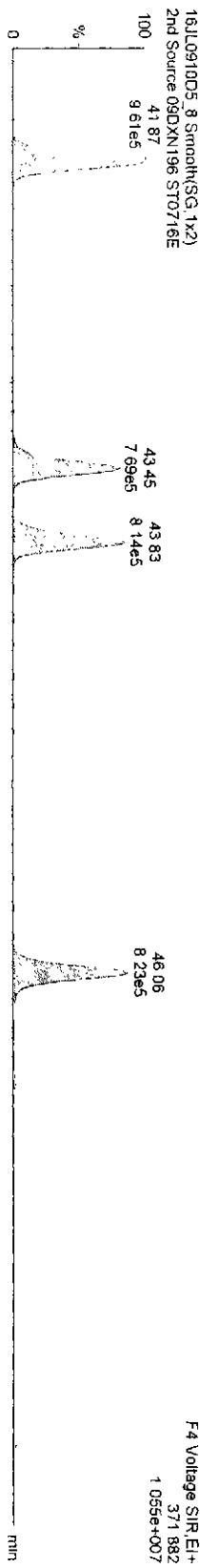
Last Altered: Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
Printed: Tuesday, July 21, 2009 15:58:00 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

HXPCBs-



13C-HXPCBs



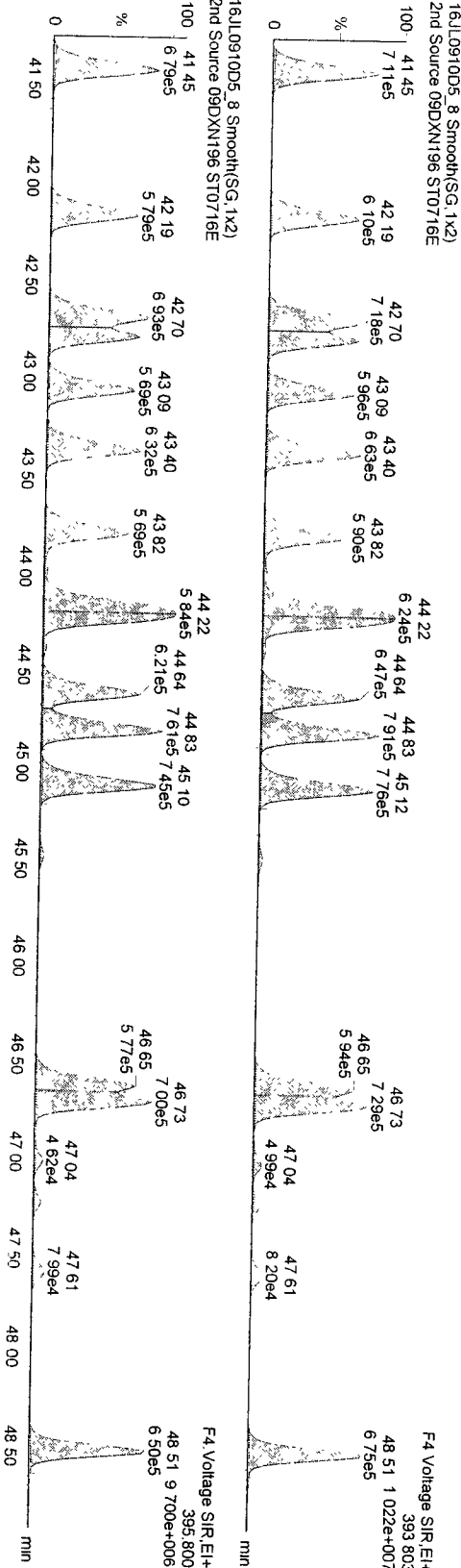
Quantity Sample Report Masslynx 4.1

Dataset C:\Masslynx\Default\prof\CA07162\200910D5\1668MSL\2ndsource.qld

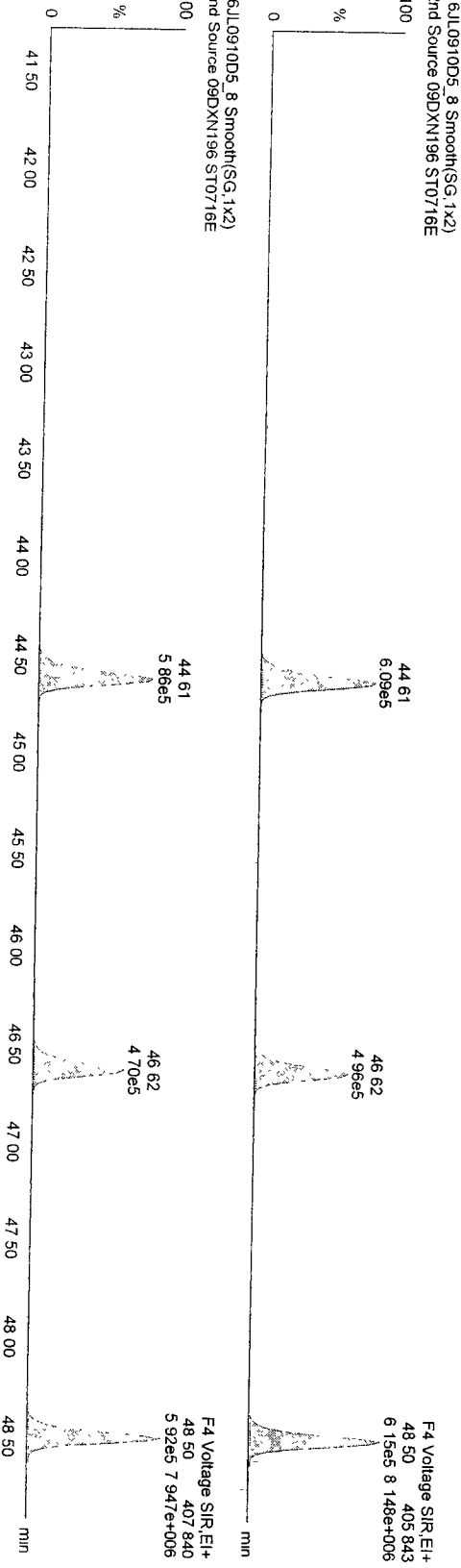
Last Altered Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
Printed Tuesday, July 21, 2009 15:58:00 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

HPPCBs



13C-HPPCBs



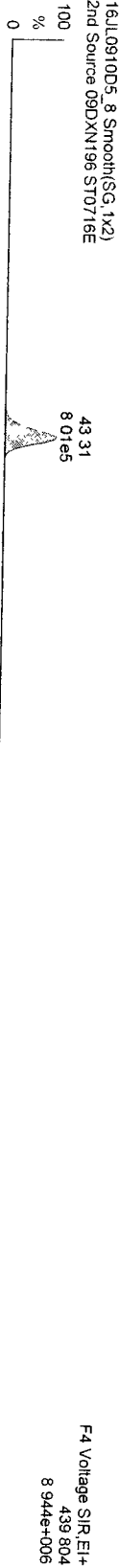
Quantify Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\prol\CA0716200910D51668MSL2\2ndsource.qld

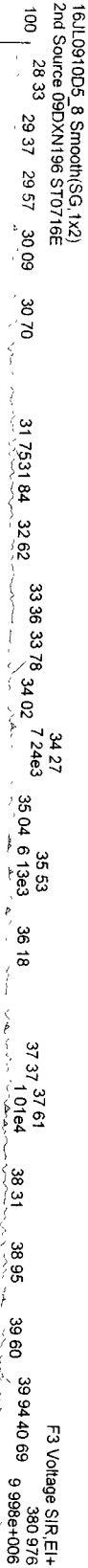
Last Altered: Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
Printed: Tuesday, July 21, 2009 15:58:00 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

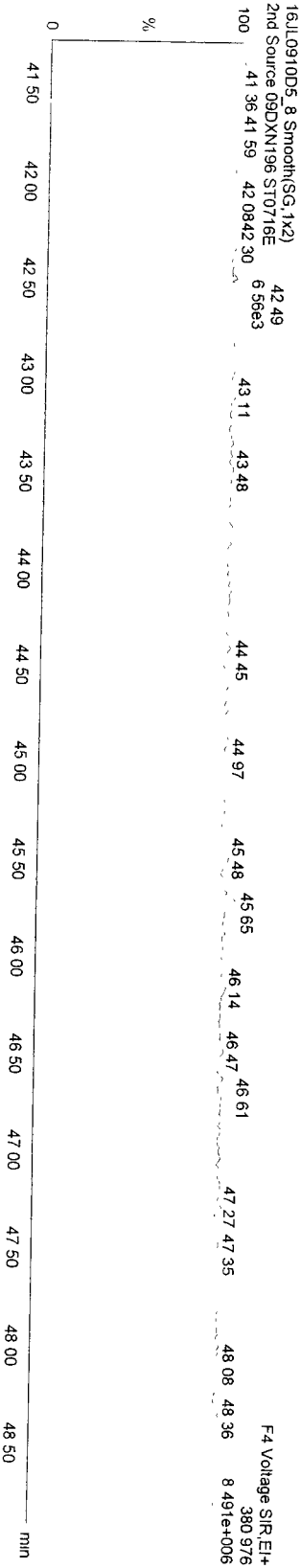
13C-OcCB-202



Function 3 PFK



Function 4 PFK



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

**TestAmerica West Sacramento  
High Resolution Prep Log  
PCB Solid Analysis**

Box # 28  
Shared QC Batch: same  
Shares QC With: NA

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

<b>Internal COC:</b>	
Delivered to Inst.:	<u>1-8-31-09</u>
Inst Receipt:	

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	<u>H01NE15</u>
Hexane	Baker	<u>H08E12</u>
H2SO4	Baker	<u>NA</u>
20% DCM:Hexane	NA	<u>NA</u>
65% DCM:Hexane	NA	<u>NA 3630-29B</u>
Silica Gel	<u>Whatman</u>	<u>22-22</u>
Acid Alumina	<u>NA</u>	<u>NA 37</u>

**Batch: 9240452**  
MS Run #:  
Prep Date: 8/29/2009  
Method: Q8 1668  
Matrix: A SOLID  
Extraction: 4W SOXHLET (NOMINAL)  
QC: 6Q CLIENT: STD BZ  
SAC: Q8 - A - 4W - 6Q

Soxhlet time on: 1430 Soxhlet time off: 1630

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 10g nom.	Final Volume		Analysis Hold Time Expires
					20uL	Other	
G9H050321 - 1 RX		LHKPR2AC	8/3/2010	<u>10.11</u>	/		8/3/2010
G9H050321 - 2 RX		LHKP32AC	8/3/2010	<u>10.13</u>	/		8/3/2010
G9H050321 - 3 RX		LHKP42AC	8/3/2010	<u>10.15</u>	/		8/3/2010
G9H050321 - 4 RX		LHKP62AC	8/3/2010	<u>10.17</u>	/		8/3/2010
G9H050321 - 5 RX		LHKP82AC	8/3/2010	<u>10.19</u>	/		8/3/2010
G9H050321 - 6 RX		LHKP92AC	8/4/2010	<u>10.21</u>	/	<u>2</u>	8/4/2010
G9H050321 - 7 RX		LHKQD2AC	8/4/2010	<u>10.23</u>	/	<u>8-31-09</u>	8/4/2010
G9H050321 - 8 RX		LHKQG2AC	8/4/2010	<u>10.25</u>	/		8/4/2010
G9H280000 - 452	B	LJ16P1AA	8/3/2010	<u>10.11</u>	/		8/3/2010
G9H280000 - 452	C	LJ16P1AC	8/3/2010	<u>10.16g</u>	/		8/3/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs: After the PCB Silica Gel cleanup, Rf was added to the samples and began blowing down to FV. The samples had some noticeable crystals and went back for more cleanups. Samples then received 20pt of C12 and blown down and

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:	Viaked up.
* Internal Standard All Samples	<u>100ul 09DX287</u>	<u>8/29/10</u>	<u>CC</u>	<u>SPG</u>	<u>8-30-09</u>	<u>L 8-31-09</u>
** Spike Mix LCS/LCSD/MS/MS	<u>100ul 09DX186</u>	<u>8/29/10</u>	<u>CC</u>	<u>SPG</u>	<u>8-30-09</u>	
Cleanup Standard All Samples	<u>100ul 09DX287</u>					
Recovery Standard All Samples	<u>20ul 09DX186</u>	<u>8-28-2010</u>	<u>L</u>	<u>SPG</u>	<u>8-31-09</u>	
Soxhlet Extraction Analyst/Date	<u>CC / 8-30-09</u>					

Split/Archive Analyst/Date	Option C Analyst/Date	PCB Silica Gel Analyst/Date	PCB Acid Alumina Analyst/Date	Hg Analyst/Date	GPC Analyst/Date
		<u>T.L 08/31/09</u>	<u>T.L 09/01/09</u>		

\* ~~IS spike~~ \* IS spike = 09DX287 @ 100ul  
\*\* NS spike = 09DX186 @ 100ul



RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 9/30/09  
Time: 17:45:24

\*\*\*\*\*  
\* QC BATCH: 9240452 \*  
\* PREP DATE: 8/29/09 14:30  
\* COMP DATE: 8/31/09 6:30  
\*\*\*\*\*

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID
8/04/10	8/26/09	G9H050321-008 LHKQG-2-AC	D	4W	Q8	SOLID	10.37g 20.00uL	NA	NA	NA	TOL	300.0	.0 100.0UL IS 09DXN287
8/03/10	0/00/00	G9H280000-452 LJ16P-1-AAAB		4W	Q8	SOLID	10.00g 20.00uL	NA	NA	NA	TOL	300.0	.0 100.0UL IS 09DXN287
8/03/10	0/00/00	G9H280000-452 LJ16P-1-ACC		4W	Q8	SOLID	10.00g 20.00uL	NA	NA	NA	TOL	300.0	.0 100.0UL NS 09DXN186 .0 100.0UL IS 09DXN287

R = RUSH C = CLP  
 E = EPA 600 D = EXP.DEL)  
 M = CLIENT REQ MS/MSD  
 NUMBER OF WORK ORDERS IN BATCH: 10  
 †

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 8/31/09  
Time: 14:28:35

\*\*\*\*\*  
\* QC BATCH: 9240452 \*  
\* PREP DATE: 8/29/09 14:30 \*  
\* COMP DATE: 8/31/09 6:30 \*  
\*\*\*\*\*

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ ORDER	TEST FLGS	EXT	MT#	MATRIX	INIT/FIN WT/VOL	PH"S INIT ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID
	8/04/10	8/26/09	G9H050321-008 LHKQG-2-AC	D	4W	Q8	SOLID	10.37g 20.00uL	NA	NA	TOL	300.0	.0 100.0UL IS 09DXN287
	8/03/10	0/00/00	G9H280000-452 LJ16P-1-AAB		4W	Q8	SOLID	10.00g 20.00uL	NA	NA	TOL	300.0	.0 100.0UL IS 09DXN287
	8/03/10	0/00/00	G9H280000-452 LJ16P-1-ACC		4W	Q8	SOLID	10.00g 20.00uL	NA	NA	TOL	300.0	.0 100.0UL NS 09DXN186 .0 100.0UL IS 09DXN287

COMMENTS:

COMMENTS:

COMMENTS:

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R = RUSH            C = CLP  
E = EPA 600        D = EXP.DEL)  
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 10

**Data Checklist**  
**HRGCMS/LRGCMS Analyses**

THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 9240452 Method ID: 1668

Data Analyst: DB-5 DB-225  
 Date initiated: 09/04/09  
 Reviewer: JW  
 Date reviewed: 09/04/09

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	/	/		
-Method Blank present?	/	/		
-LCS/DCS copy present and meets native recovery criteria?	/	/		
-Internal standard recoveries within limits?*	/	/		
-Ion ratios within + 15% of theoretical values?	/	/		
-Other QC (Dup,MS,SD) within specs?*	NA	NA		

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	/	/		
-All raw data present?	/	/		
-Standard target DL's used? If RL's are used specify: <u>C</u>	/	/		
-DL's below TDL /LCL (please circle)?	/	/		
-All positives reported at levels greater than method blank DL's?	/	/		
-Correct RRF's used for method?	/	/		
-Internal standard amounts correct for method?	/	/		
-Target analytes are not saturated?	/	/		
-Dilution/splitting of extract taken into account?	NA	NA		
-Have dilution calculations been verified?	NA	NA		
-Has a manual calculation for the sequence(s) been verified?	/	/		
-Are retention times (RT) correct?	/	/		
-Manual integrations checked?	NA	NA		

**Comments:** (Use other side if necessary)

* Recovery limits:	**RPD limits:
NCASI 551: 40-120%***	50%
Method 8290: 40-135%***	20%
Method 1613: 25-150%***	50%
Method 23: 40-130%*** (CI4-CI6), 25-130%(CI7-8), 70-130%(surr.)	50%
PCBs: 25-150%***	50%
Method 8280: 40-120%***	
DFLM01.0: 25-150%***	
Method 1614: 25-150%***	

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

Preparation Data Review Checklist

Prep Batch(es) 9/24/04 52 Test: Waters  
 Prep Date: 6.30.04 Holding Times: 8.3.10 NCM: Y  N  
6.4.10

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	///	
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	///	
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	///	NA
4. Worksheets have been checked for required spiking compounds	///	
5. Spiking volumes are correctly documented	///	
6. Std ID numbers on spike labels match numbers on bench sheet	///	NA
7. Expiration dates have been checked	///	
8. Calibration expiration dates on pipettors have been checked	///	NA
9. Spiker and spike witness have signed and dated bench sheet	///	
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	
2. Balance upload or raw data for weights is included	NA	
3. Weights and volumes have been transcribed correctly to LIMS.	NA	
4. Weights are not targeted to meet exact weights.	NA	
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	
2. Are dates and analysts for cleanups recorded?	NA	
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	
2. QuantIMs entry correct, including dates and times.	NA	
3. Are all fields completed?	NA	

Spike witness: [Signature] Date: 9/30/04  
 2<sup>nd</sup> Level Reviewer: [Signature] Date: 9/30/04  
 Comments: 2nd level reviewer [Signature] - Data appears to be correct.

# WATER, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:49:49 AM Pacific Daylight Time

LHSL31AA LH5MM1AA

Handwritten notes: 11-20-09, Signature

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX

# Name	Trace	Sample Size	RT	Ptd RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-MoCB-3	200 0795	1.000	14.10	14.09	1.38845	757781.11	1174.4405	1174.4405	58.7	6.99675	3.23	NO	
2 MoCB-1	188.03930	1.000	12.14	12.14	1.38571	2774.78	5.2850	5.2850		0.79488	2.82	NO	
3 MoCB-3	188.03930	1.000	14.11	14.11	1.25915					0.87477		NO	
4 Total MoCB	188.03930	1.000	0.00	0.00	1.32243		5.2850	5.2850		0.83291			
5 13C-DiCB-15	234.041	1.000	20.44	20.42	1.70222	1015510.94	1283.7711	1283.7711	64.2	0.99539	1.56	NO	
6 DiCB-4/10	222.000	1.000	15.24	15.25	0.69366	735.18	2.0874	0.0000		1.19623			
7 DiCB-8/5	222.000	1.000	17.64	17.62	0.51024	1580.80	6.1017	0.0000		1.62626			
8 DiCB-15	222.000	1.000	20.48	20.45	0.76669	981.88	2.5222	0.0000		1.08228			
9 Total DiCB	222.000	1.000	0.00	0.00	0.65686		42.0966	0.0000		1.26324			
10 13C-TrCB-28	268.002	1.000	23.37	23.35	1.35659	878097.66	1392.8716	1392.8716	69.6	7.03333	1.07	NO	
11 TrCB-30	255.961	1.000	19.41	19.41	1.46403					0.44271		NO	
12 TrCB-18	255.961	1.000	20.28	20.29	1.24888	3186.82	5.8120	5.8120		0.51898	1.00	NO	
13 Total F1 TrCB	255.961	1.000	0.00	0.00	1.35645		11.4372	11.4372		0.47782			
14 TrCB-31	255.961	1.000	23.29	23.29	1.47193	4385.24	6.7857	6.7857		0.69701	1.14	NO	
15 TrCB-28	255.961	1.000	23.39	23.39	1.47144	5108.91	7.9081	7.9081		0.69725	1.05	NO	
16 TrCB-37	255.961	1.000	27.44	27.44	1.26695					0.80979		NO	
17 Total F2 TrCB	255.961	1.000	0.00	0.00	1.40344		26.5999	24.7928		0.73103			
18 13C-TeCB-52	301.963	1.000	25.70	25.78	1.00000	929419.59	2000.0000	2000.0000	100.0	0.96421	0.78	NO	
19 13C-TeCB-81	301.963	1.000	33.75	33.75	1.03984	748541.66	1697.3002	1697.3002	84.9	2.78606	0.79	NO	
20 13C-TeCB-77	301.963	1.000	34.45	34.45	1.10430	778006.81	1661.1393	1661.1393	83.1	2.62344	0.79	NO	
21 TeCB-54	289.9224	1.000	22.46	22.46	1.41398					1.25671		NO	
22 TeCB-52/73	289.9224	1.000	25.71	25.72	1.12730	31234.86	72.6023	72.6023		1.57630	0.75	NO	
23 TeCB-47/75/48	289.9224	1.000	26.23	26.24	1.30584	14784.31	29.6660	29.6660		1.36077	0.75	NO	
24 TeCB-44	289.9224	1.000	27.15	27.16	0.98730	3446.80	9.1478	9.1478		1.79982	0.81	NO	
25 Total F2 TeCB	289.9224	1.000	0.00	0.00	1.20861		131.3268	128.7268		1.47026			
26 TeCB-66/80	289.922	1.000	30.17	30.19	1.74077	2455.43	3.6960	3.6960		0.61593	0.74	NO	
27 TeCB-81	289.922	1.000	33.75	33.78	1.45839	346.26	0.6344	0.5348		0.72470	0.58	YES	
28 TeCB-77	289.922	1.000	34.47	34.47	1.27061					0.85542		NO	
29 Total F3 TeCB	289.922	1.000	0.00	0.00	1.48992		24.8575	24.2877		0.71963			
30 13C-PeCB-101	335.924	1.000	31.84	31.90	1.00000	848242.75	2000.0000	2000.0000	100.0	2.06617	0.62	NO	



Quantify Sample Summary Report MassLynx 4.1

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Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
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Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36													
37	13C-PeCB-123	1.000	36.10	36.11	0.99324	708829.50	1682.6693	1682.6693	84.1	2.08024	0.61	NO	
38	PeCB-104	1.000		26.85	1.51630					0.43599		NO	
39	Total F2 PeCB	1.000		0.00	1.51630		0.1154	0.0940		0.43599			
40	PeCB-101/89/90	1.000	31.85	31.85	1.35828	7415.03	15.2346	15.2346		0.77030	0.61	NO	
41	PeCB-123	1.000	36.30	36.11	1.50539	4037.87	7.5682	7.5682		0.66810	0.60	NO	
42	13C-PeCB-118	1.000	36.26	36.28	1.02407	702068.72	1616.4376	1616.4376	80.8	2.01760	0.64	NO	
43	PeCB-118/106	1.000		36.28	1.52536					0.67573		NO	
44	13C-PeCB-114	1.000	37.05	37.07	1.03691	685901.88	1559.6640	1559.6640	78.0	1.99262	0.60	NO	
45	PeCB-114	1.000		37.07	1.58603					0.67291		NO	
46	13C-PeCB-106	1.000	38.13	38.18	0.98151	749377.13	1800.1807	1800.1807	90.0	2.10510	0.65	NO	
47	PeCB-105/127	1.000	38.16	38.16	1.43326	1596.36	2.9726	2.9726		0.70065	0.62	NO	
48	13C-PeCB-126	1.000	40.44	40.49	1.02999	737195.38	1687.5647	1687.5647	84.4	2.00602	0.63	NO	
49	PeCB-126	1.000		40.46	1.15582					0.97186		NO	
50	Total F3 PeCB	1.000		0.00	1.42736		73.2527	70.4747		0.73302			
51													
52	13C-OcCB-202	1.000	43.21	43.37	1.00000	1025673.91	2000.0000	2000.0000	100.0	0.89429	0.90	NO	
53													
54	13C-HxCB-167	1.000	41.79	41.77	1.00247	803661.09	1563.2334	1563.2334	78.2	2.38791	1.29	NO	
55	HxCB-155	1.000		31.14	1.62299					0.45657		NO	
56	HxCB-153	1.000	37.87	37.89	1.54968	7017.35	11.6961	11.6961		0.47817	1.26	NO	
57	HxCB-137	1.000		39.27	1.35366					0.54741		NO	
58	HxCB-138/163/164	1.000	39.80	39.82	1.40848	7395.05	13.5613	13.5613		0.52610	1.29	NO	
59	Total F3 HxCB	1.000		0.00	1.48370		60.5141	59.0973		0.49943			
60	HxCB-128	1.000	41.71	41.74	1.25831	1294.10	2.6564	2.2350		0.75233	1.66	YES	
61	HxCB-167	1.000	41.82	41.79	1.34796	351.70	0.6493	0.3441		0.65550	3.23	YES	
62	13C-HxCB-156	1.000	43.37	43.35	0.76510	761200.25	1890.5681	1890.5681	94.5	3.04902	1.30	NO	
63	HxCB-156	1.000		43.39	1.68840					0.55969		NO	
64	13C-HxCB-157	1.000	43.76	43.72	0.83526	795412.06	1856.9006	1856.9006	92.8	2.86592	1.30	NO	
65	HxCB-157	1.000		43.79	1.65965					0.55733		NO	
66	13C-HxCB-169	1.000	45.99	45.94	0.87128	737005.09	1649.4326	1649.4326	82.5	2.74746	1.28	NO	
67	HxCB-169	1.000		46.02	1.09832					0.94747		NO	
68	Total F4 HxCB	1.000		0.00	1.41053		3.3057	2.5791		0.67114			
69													
70	13C-HpCB-180	1.000	44.51	44.53	0.68403	596335.84	1699.9578	1699.9578	85.0	1.53891	1.05	NO	

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro114AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
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Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX

# Name	Trace	Sample Size	RT	Prod.RT	RRF.M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio: Ratio Fl...	Mod Date
71 HpCB-188	393.803	1 000	40.99	37.33	2.10927	4169.88	6 1580	6.1580		0.37832	NO	
72 HpCB-187/182	393.803	1 000	40.99	40.98	1.98689	4169.88	6 1580	6.1580		0.40162	NO	
73 Total F3 HpCB	393.803	1 000	44.53	0.00	2.04808	4735.70	12.0418	11.0622		0.38962	NO	
74 HpCB-180	393.803	1 000	44.53	44.53	1.30035	561323.22	12.2141	12.2141	99.9	0.80315	NO	
75 13C-HpCB-170	405.843	1 000	46.53	46.54	0.54773	1308.97	1998.3224	1998.3224		1.92185	NO	
76 HpCB-170/190	393.803	1 000	46.54	46.53	1.61501	887187.47	2.8878	2.5174		0.69880	YES	
77 13C-HpCB-189	405.843	1 000	48.42	48.41	0.69767	887187.47	2479.6272	2479.6272	124.0	1.50882	NO	
78 HpCB-189	393.803	1 000	48.43	48.43	1.23073					0.54471	NO	
79 Total F4 HpCB	393.803	1 000	50.40	0.00	1.38203		25.3283	23.5341		0.65500	NO	
80												
81 13C-OcCB-194	439.804	1 000	43.24	50.38	0.46585	645071.63	2700.1288	2700.1288	135.0	2.62157	NO	
82 OcCB-202	427.764	1 000	43.24	43.27	2.22473	675.31	0.9411	0.9411		0.22753	NO	
83 Total F4 OcCB	427.764	1 000	49.33	0.00	2.22473		5.2405	4.9399		0.22753	YES	
84 OcCB-195	427.764	1 000	49.33	49.34	1.81935	550.74	0.9385	0.3651		0.35417	YES	
85 OcCB-194	427.764	1 000	50.42	50.42	1.41719	594.44	1.3005	1.1405		0.45467	YES	
86 Total F5 OcCB	427.764	1 000	49.23	0.00	1.61827		4.8047	3.4284		0.39818	NO	
87												
88 13C-NoCB-208	473.765	1 000	49.26	49.22	0.75959	656187.53	1684.5041	1684.5041	84.2	1.14473	NO	
89 NoCB-208	461.724	1 000	49.26	49.26	1.06905	588.12	1.6768	0.9436		0.71699	YES	
90 NoCB-206	461.724	1 000	52.29	52.27	0.72050	1177.26	4.9801	4.0850		1.06386	YES	
91 Total NoCB	461.724	1 000	53.64	0.00	0.89477		9.0877	7.1738		0.85664	NO	
92												
93 13C-DeCB-209	507.726	1 000	53.65	53.60	0.55323	664050.41	2340.5356	2340.5356	117.0	0.90884	NO	
94 DeCB-209	495.686	1 000	53.65	53.66	1.31861	1670.90	3.8165	3.8165		0.32257	NO	
95												
96 13C-MoCB-1	200.0795	1 000	12.13	12.13	1.30836					6.82134	NO	
97 13C-DiCB-4	234.041	1 000	15.21	15.21	0.74585					2.07060	NO	
98 13C-TrCB-19	268.002	1 000	18.82	18.82	0.84405					14.92303	NO	
99 13C-TeCB-54	301.963	1 000	22.42	22.42	1.28400					1.33661	NO	
100 13C-PeCB-111	335.924	1 000	33.58	33.58	1.30475					2.12923	NO	
101												
102 13C-HxCB-138	371.882	1 000	39.79	39.73	1.04381	892998.75	2209.7361	2209.7361	110.5	1.44667	NO	
103												
Function 1 PFK	218.986	1 000	0.00	0.00								

Quantify Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
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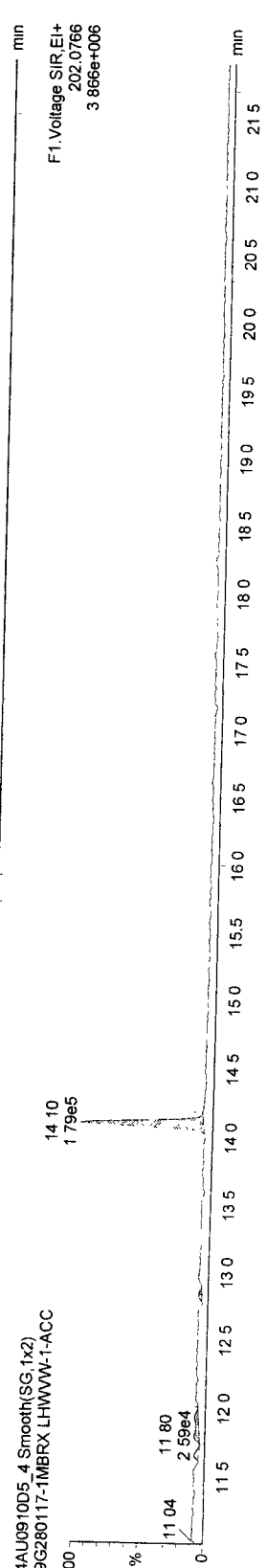
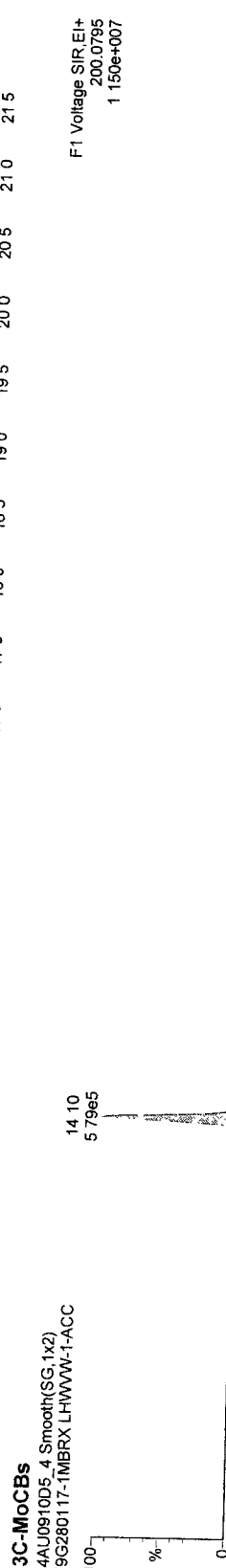
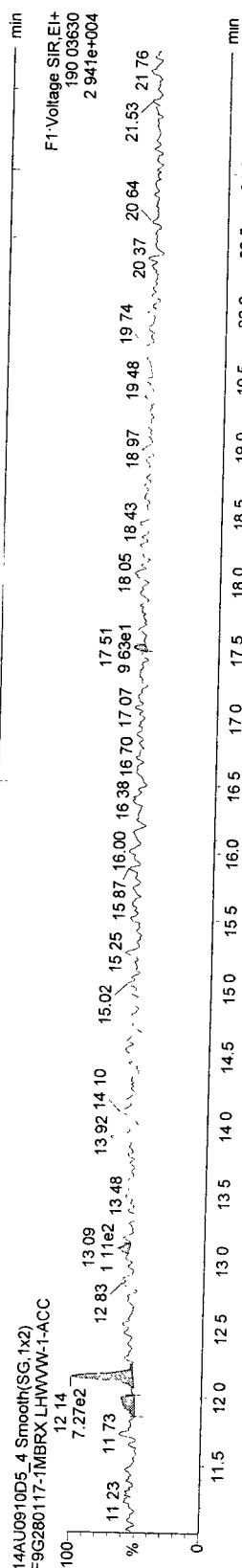
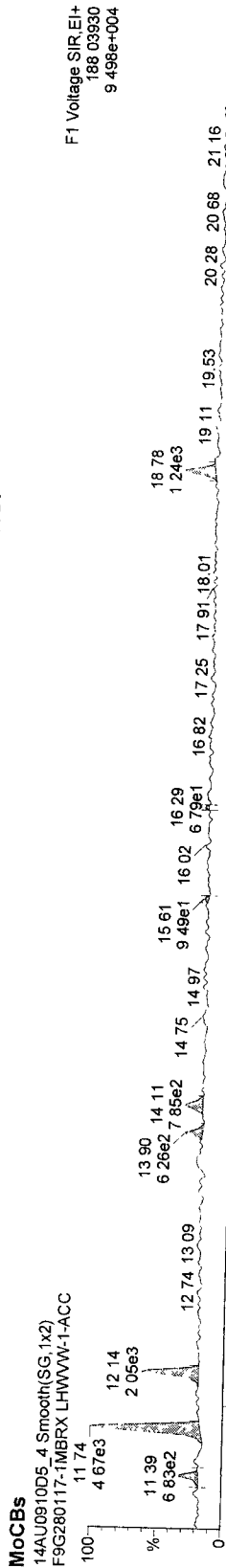
Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX

# Name	Trace	Sample Size	RT	Prd:RT	RRF M...	Abs.Resp	pg	EMPC	%Rec.	EDL	Ratio	Ratio Fl...	Mod Date
1.. Function 2 PFK	330 979	1.000			0.00								
1.. Function 3 PFK	380 976	1.000			0.00								
1.. Function 4 PFK	380.976	1.000			0.00								
1.. Function 5 PFK	480 970	1.000			0.00								

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
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Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX



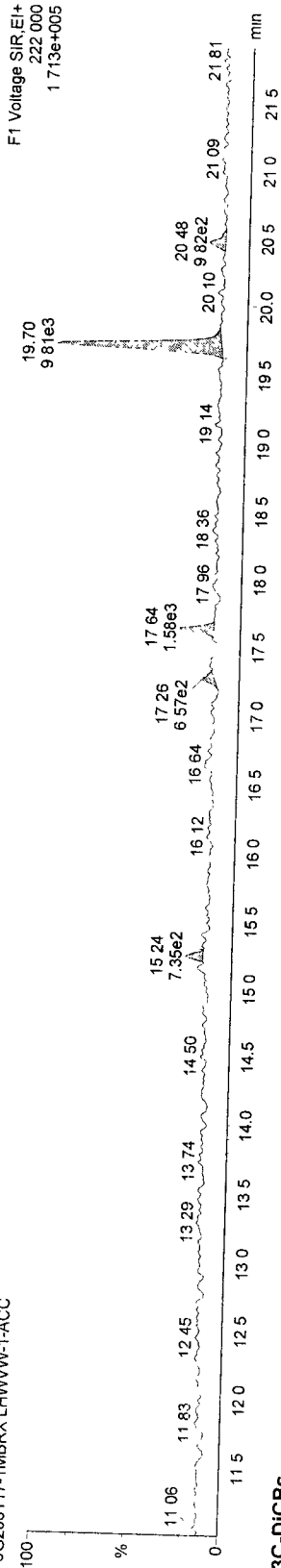
Dataset C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
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Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1IMBRX

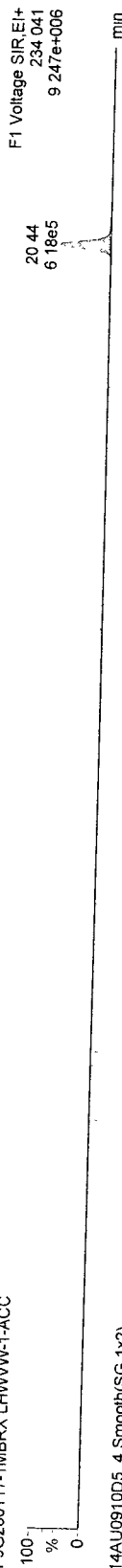
DICBs

14AU0910D5\_4 Smooth(SG,1x2)  
 F9G280117-1IMBRX LHWVW-1-ACC



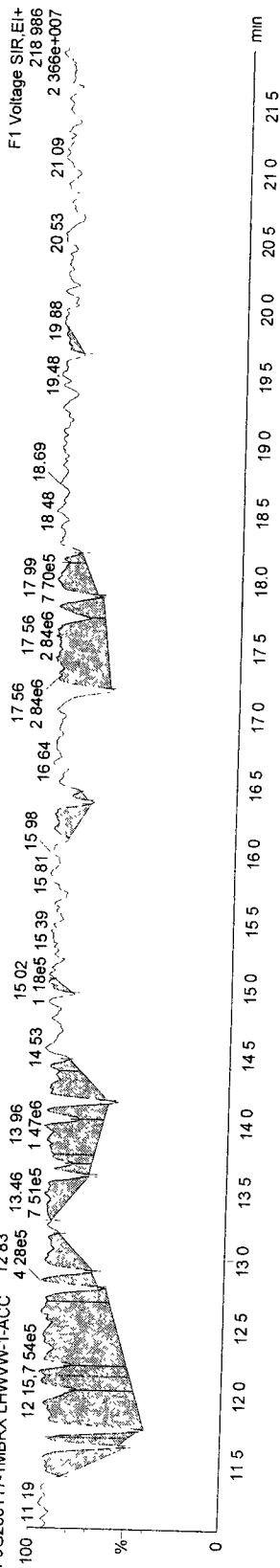
13C-DICBs

14AU0910D5\_4 Smooth(SG,1x2)  
 F9G280117-1IMBRX LHWVW-1-ACC



Function 1 PFK

14AU0910D5\_4 Smooth(SG,1x2)  
 F9G280117-1IMBRX LHWVW-1-ACC



Quantify Sample Report MassLynx 4.1

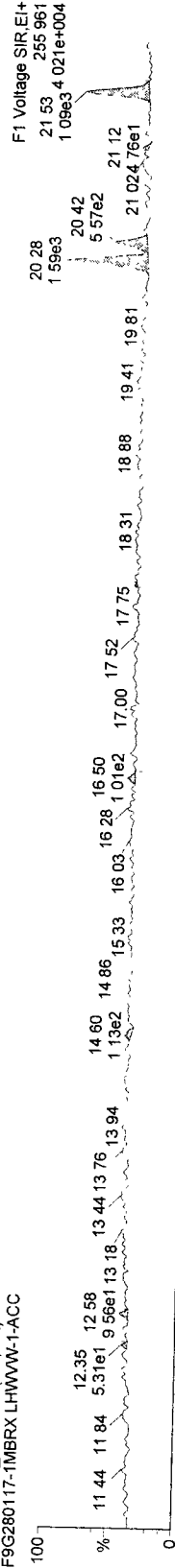
Dataset C:\MassLynx\Default.pro\14AU0910D51668M.qld

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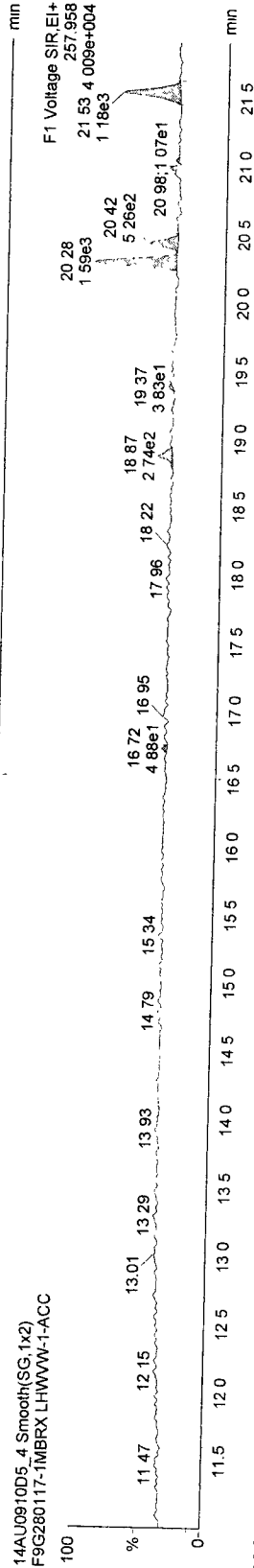
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TrCBs

14AU0910D5\_4 Smooth(SG,1x2)  
F9G280117-1IMBRX LHWVW-1-ACC

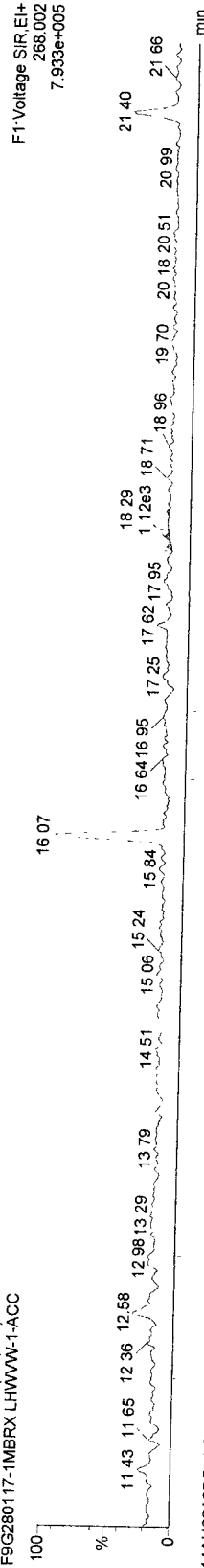


14AU0910D5\_4 Smooth(SG,1x2)  
F9G280117-1IMBRX LHWVW-1-ACC

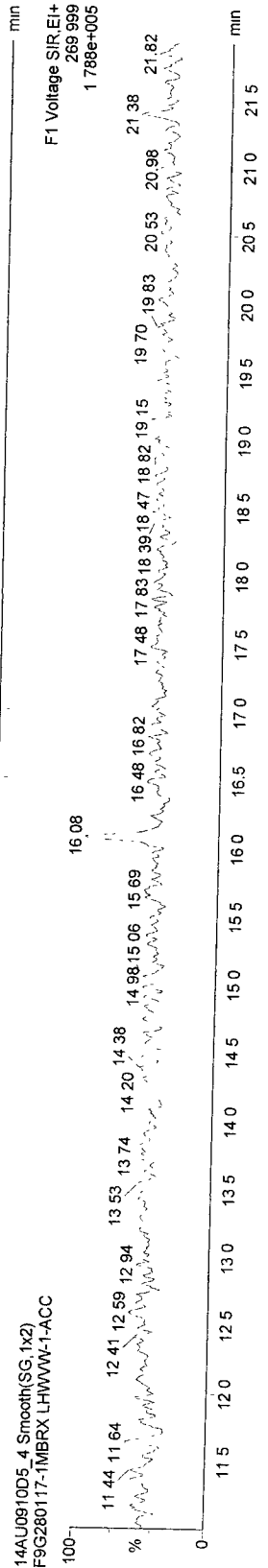


13C-TCBs

14AU0910D5\_4 Smooth(SG,1x2)  
F9G280117-1IMBRX LHWVW-1-ACC



14AU0910D5\_4 Smooth(SG,1x2)  
F9G280117-1IMBRX LHWVW-1-ACC

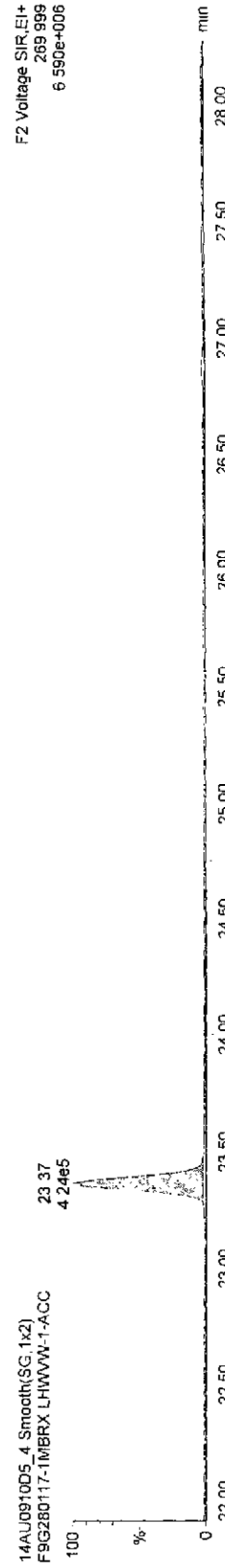
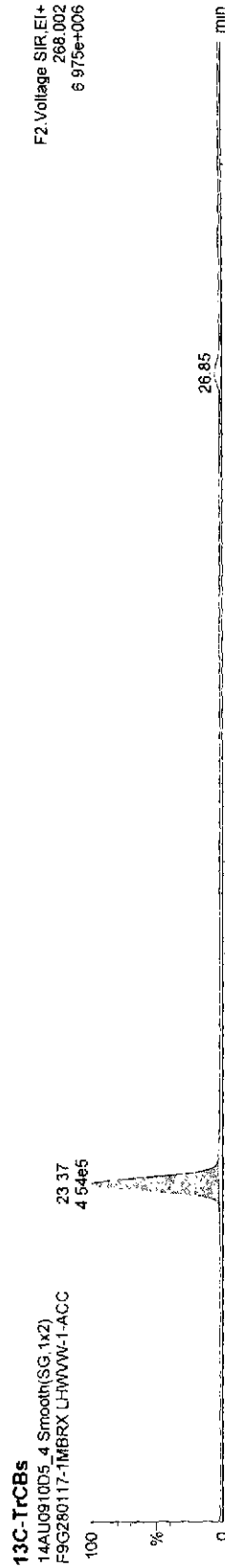
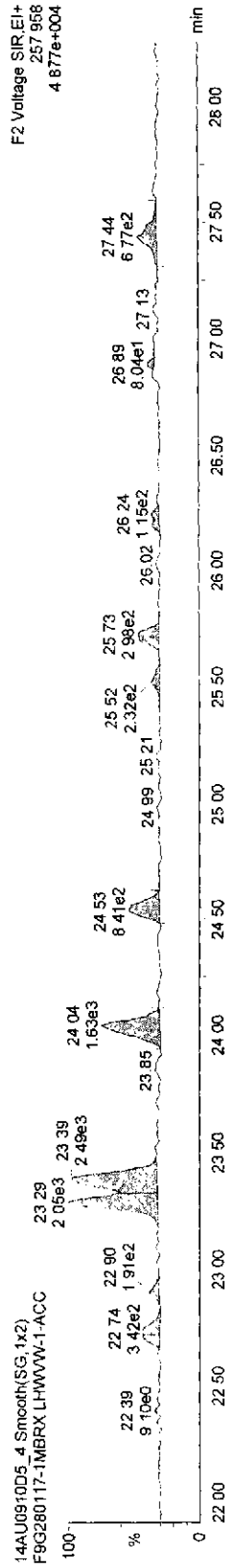
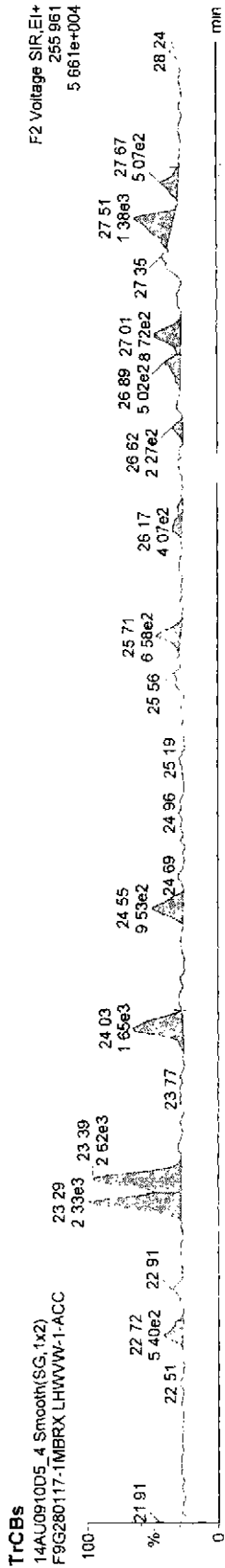


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX



Quantify Sample Report MassLynx 4.1

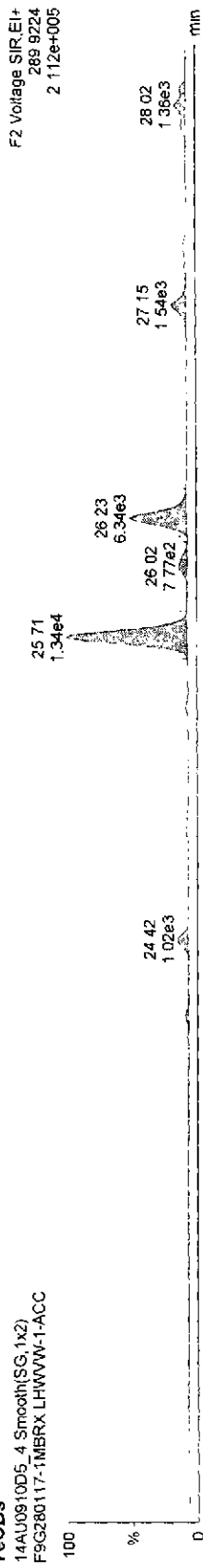
Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX

TeCBs

14AU0910D5\_4 Smooth(SG,1x2)  
F9G280117-1MBRX LHWVW-1-ACC

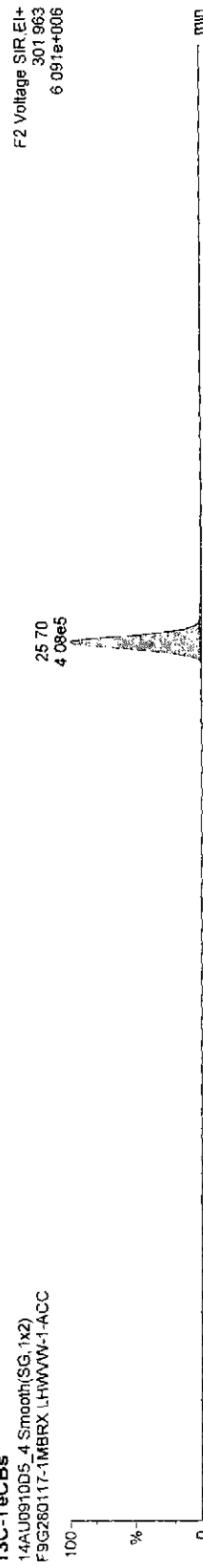


14AU0910D5\_4 Smooth(SG,1x2)  
F9G280117-1MBRX LHWVW-1-ACC

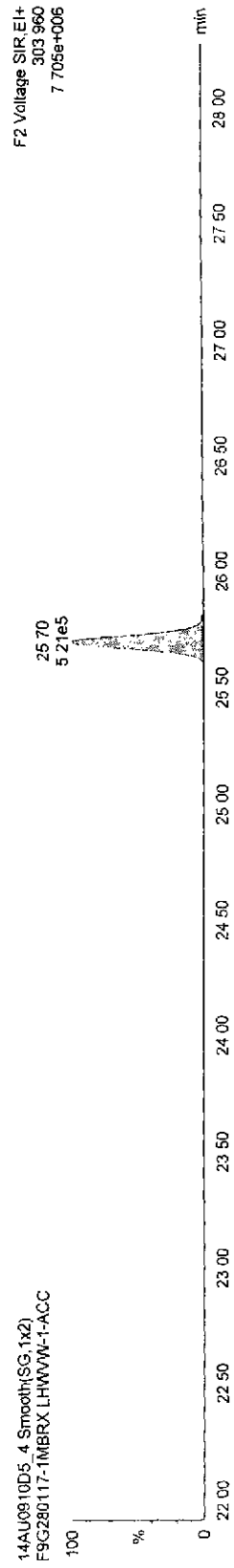


13C-TeCBs

14AU0910D5\_4 Smooth(SG,1x2)  
F9G280117-1MBRX LHWVW-1-ACC



14AU0910D5\_4 Smooth(SG,1x2)  
F9G280117-1MBRX LHWVW-1-ACC



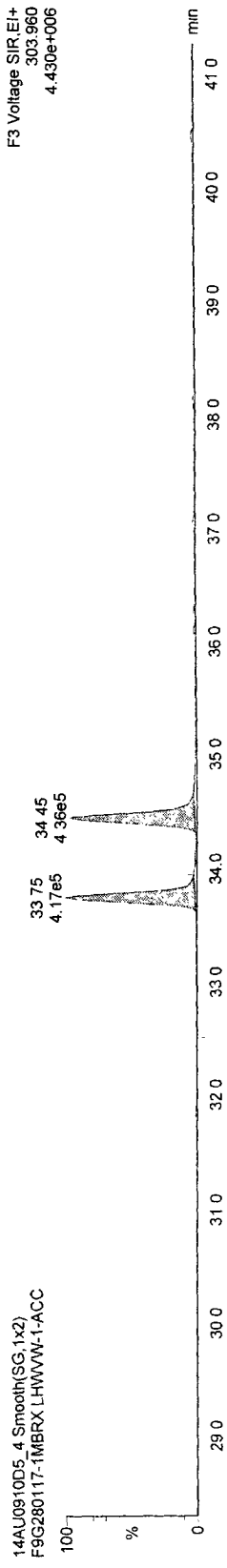
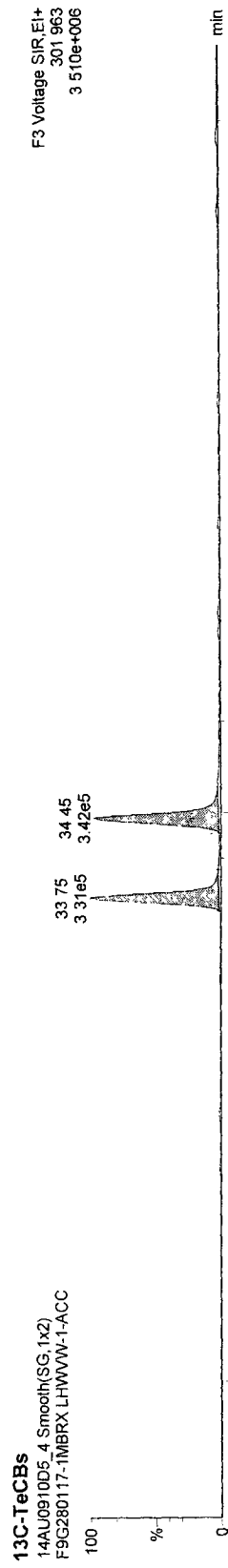
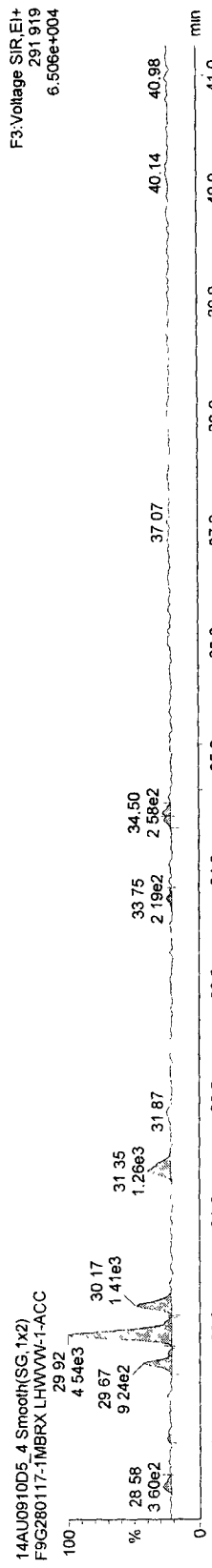
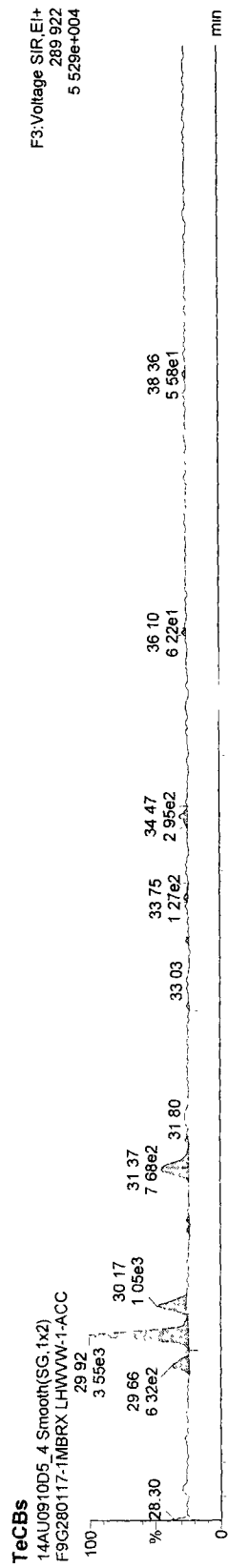


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX

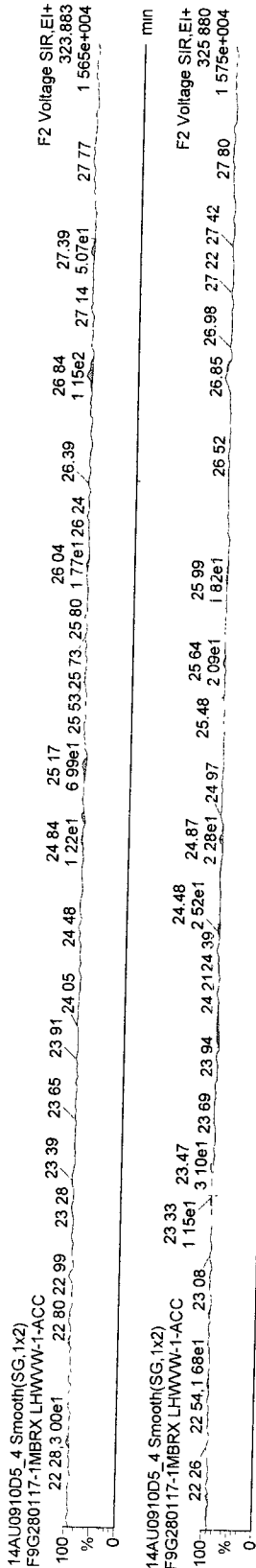


Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

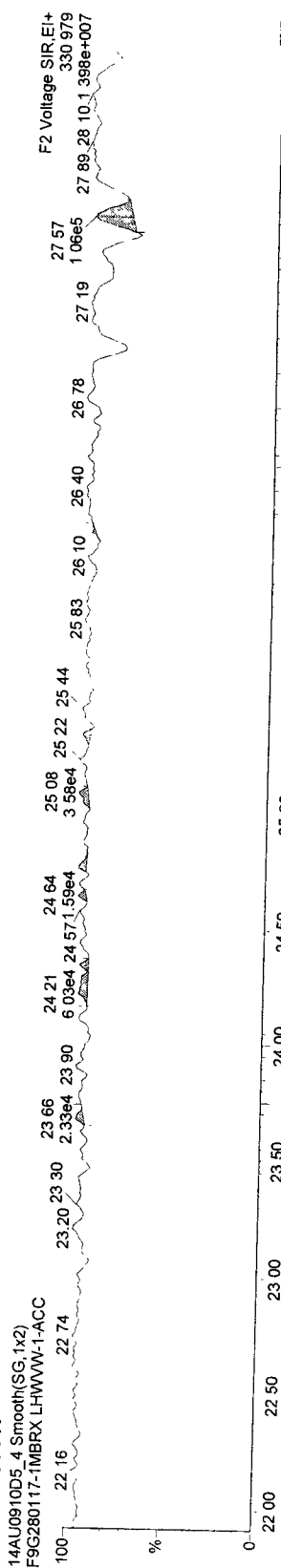
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1IMBRX

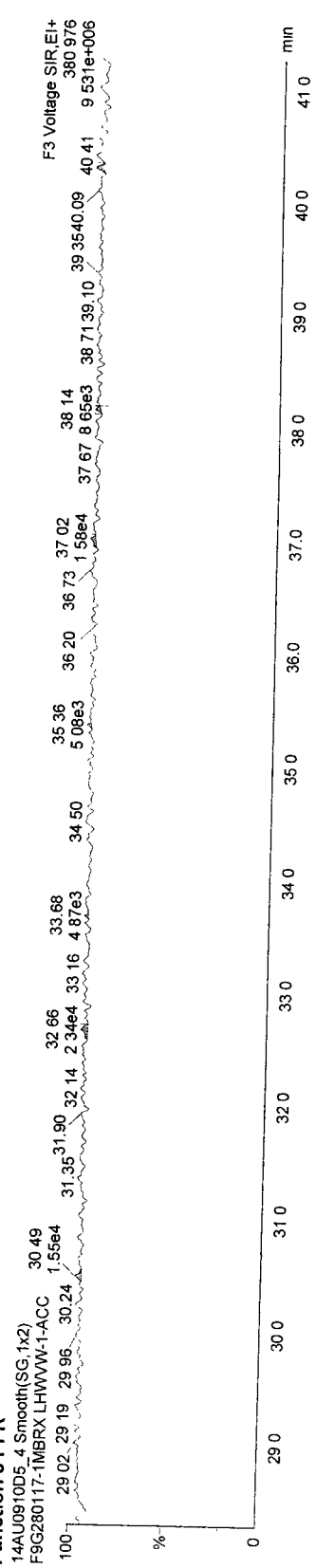
**PeCBs**



**Function 2 PFK**



**Function 3 PFK**



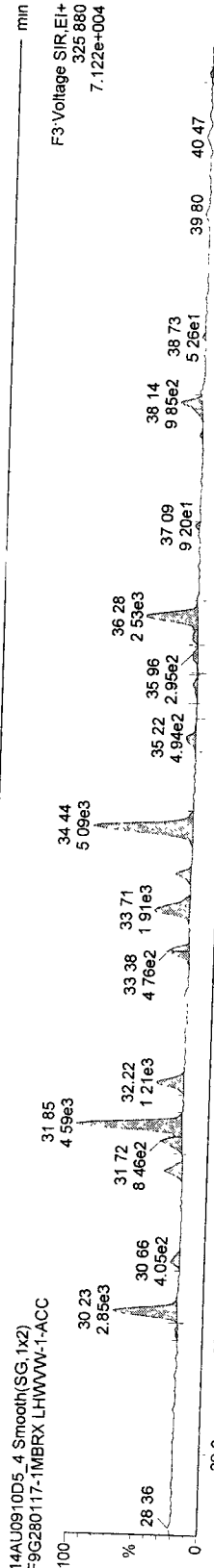
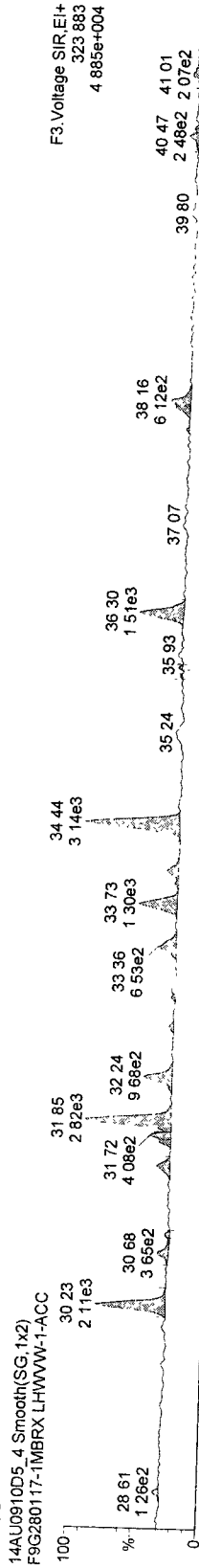
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D5\1668M.qld

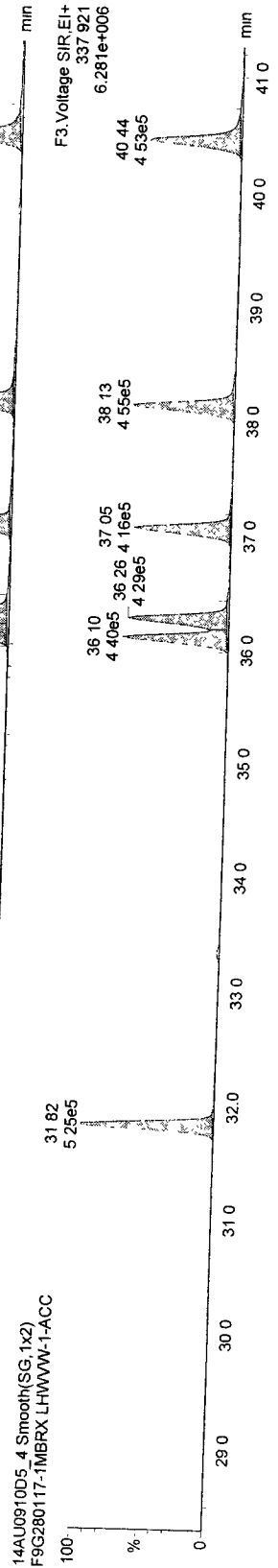
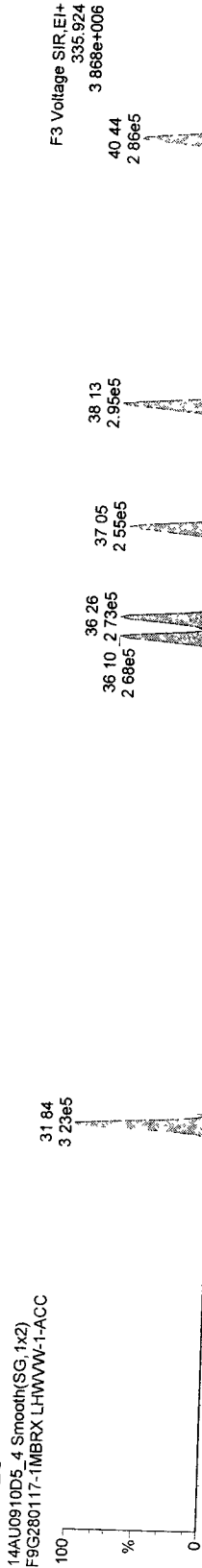
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1-MBRX

PeCBs



13C-PeCBs

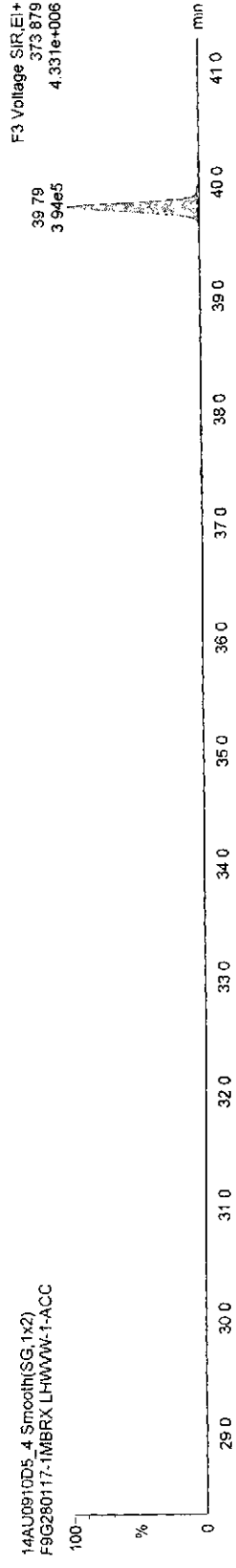
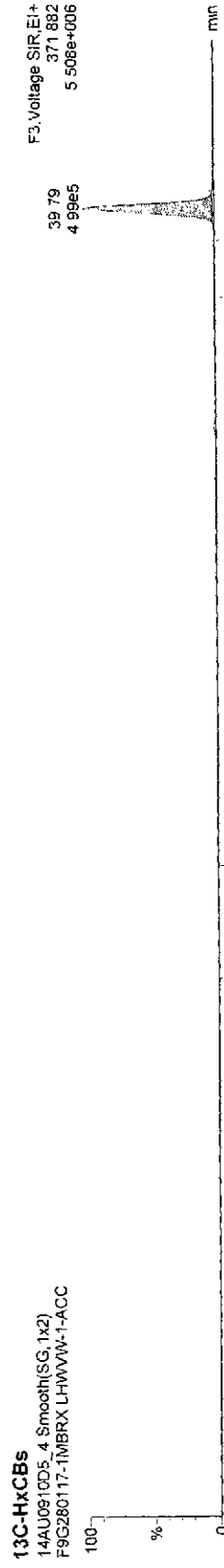
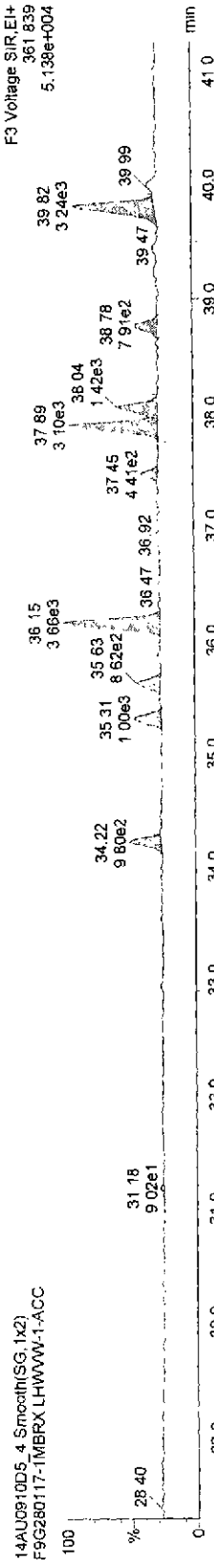
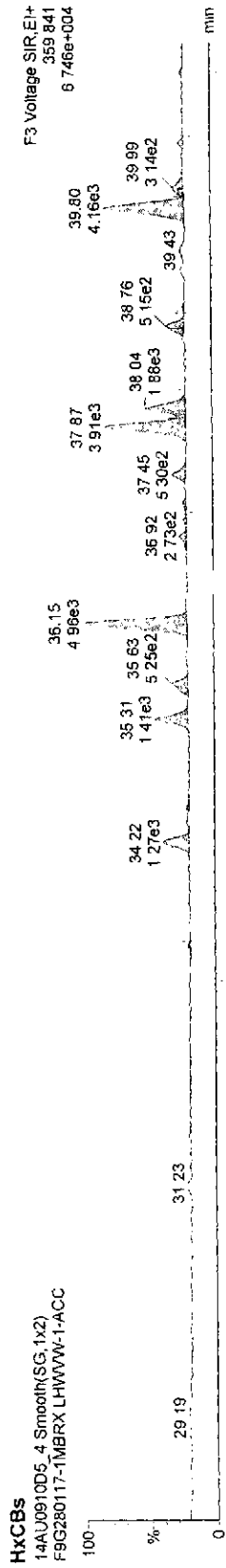


Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\pro\14AU0910D51668M.qid

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1-MBRX

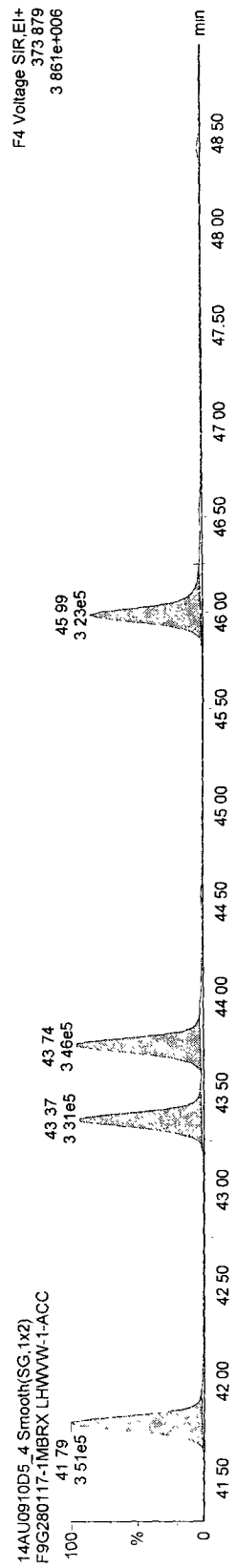
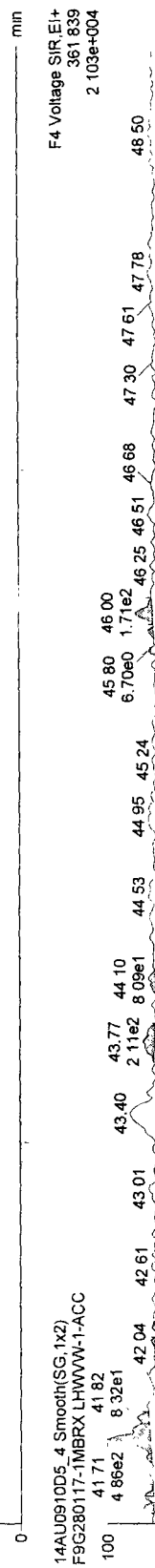


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX



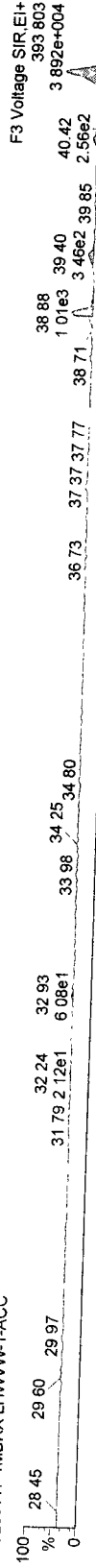
Dataset: C:\MassLynx\Default pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX

**HpCBs**

14AU0910D5\_4 Smooth(SG,1x2)  
 F9G280117-1MBRX LHWVW-1-ACC



F3 Voltage SIR, EI+  
 393.803  
 40.42  
 3.892e+004

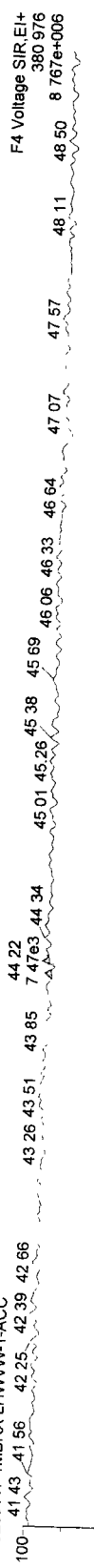
14AU0910D5\_4 Smooth(SG,1x2)  
 F9G280117-1MBRX LHWVW-1-ACC



F3 Voltage SIR, EI+  
 395.800  
 40.42  
 3.864e+004

**Function 4 PFK**

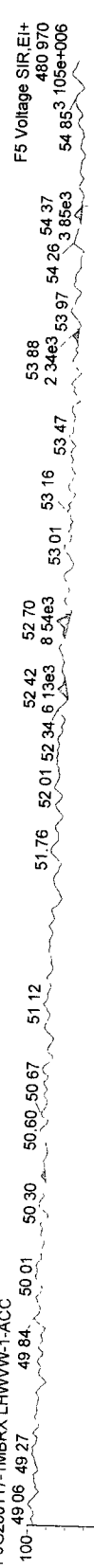
14AU0910D5\_4 Smooth(SG,1x2)  
 F9G280117-1MBRX LHWVW-1-ACC



F4 Voltage SIR, EI+  
 380.976  
 48.50  
 8.767e+006

**Function 5 PFK**

14AU0910D5\_4 Smooth(SG,1x2)  
 F9G280117-1MBRX LHWVW-1-ACC



F5 Voltage SIR, EI+  
 480.970  
 54.85  
 3.85e3  
 54.853  
 105e+006

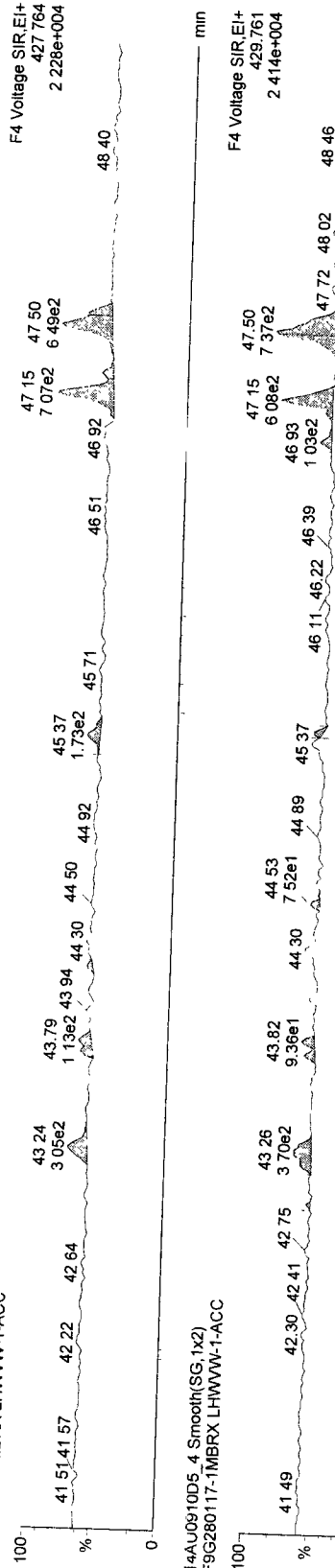
Dataset: C:\MassLynx\Default pro\14AU0910D5\1668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX

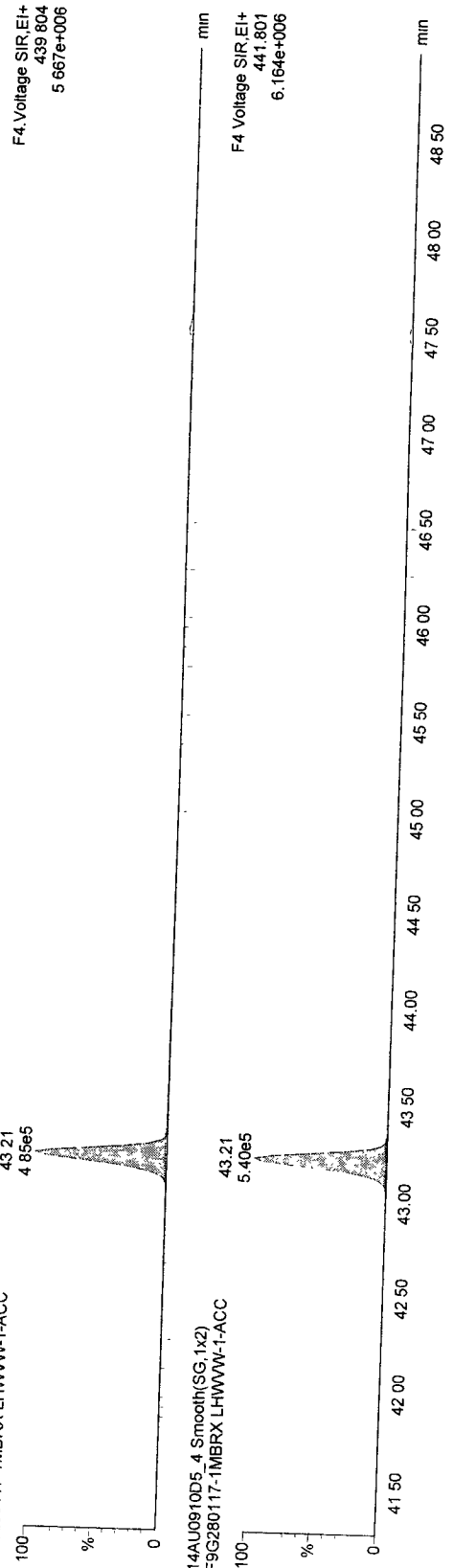
OcCBS

14AU0910D5\_4 Smooth(SG,1x2)  
 F9G280117-1MBRX LHWVW-1-ACC



13C-OcCBS

14AU0910D5\_4 Smooth(SG,1x2)  
 F9G280117-1MBRX LHWVW-1-ACC



14AU0910D5\_4 Smooth(SG,1x2)  
 F9G280117-1MBRX LHWVW-1-ACC

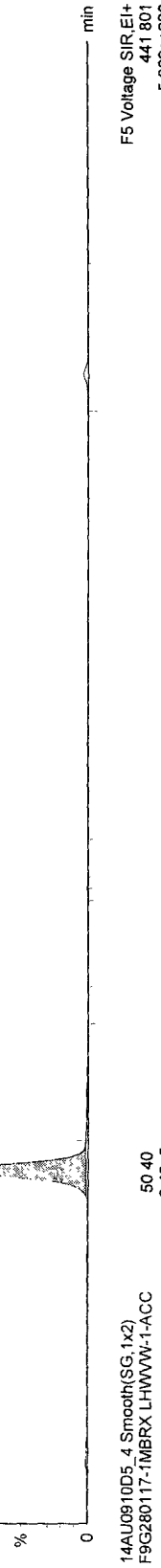
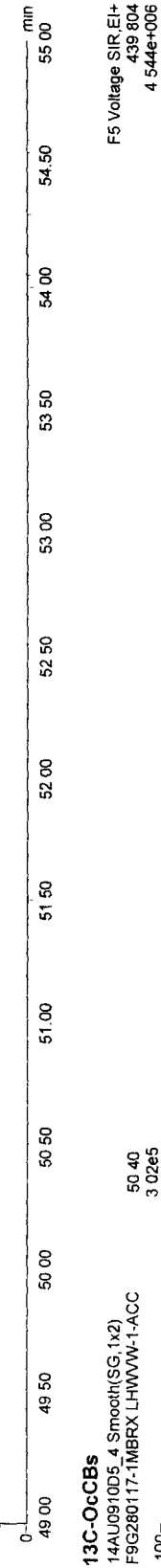
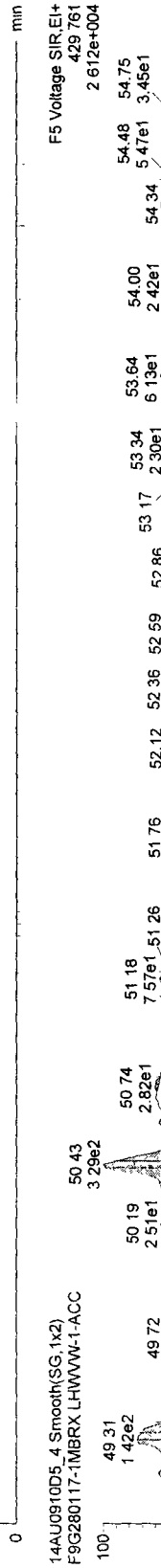
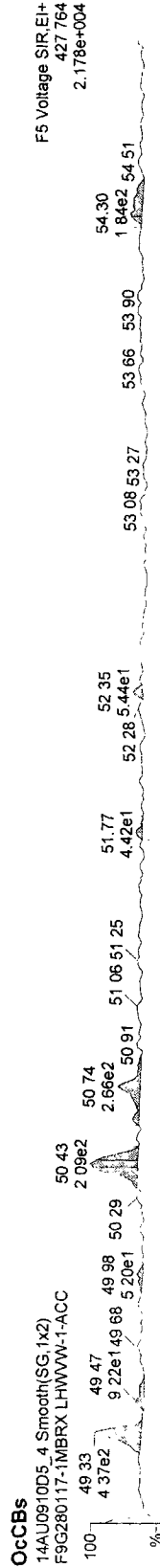


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro1\14AU0910D5\1668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWW-1-ACC, Description: F9G280117-1MBRX





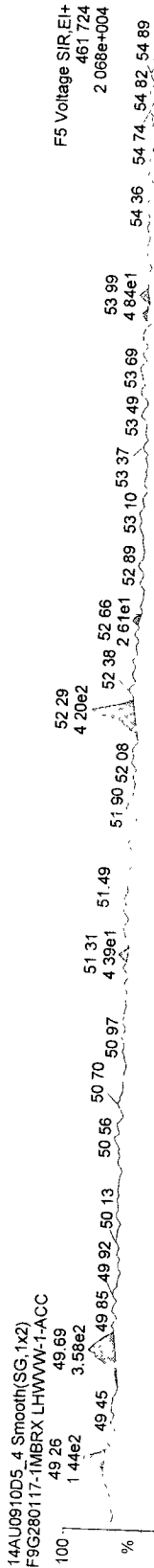
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

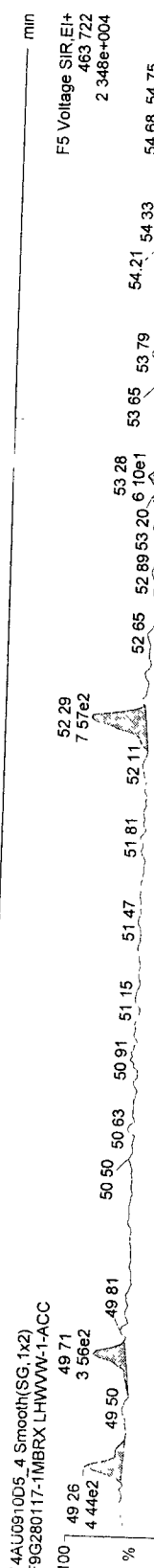
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX

NoCBs



13C-NoCBs



14AU0910D5\_4 Smooth(SG,1x2)



14AU0910D5\_4 Smooth(SG,1x2)



Quantify Sample Report MassLynx 4.1

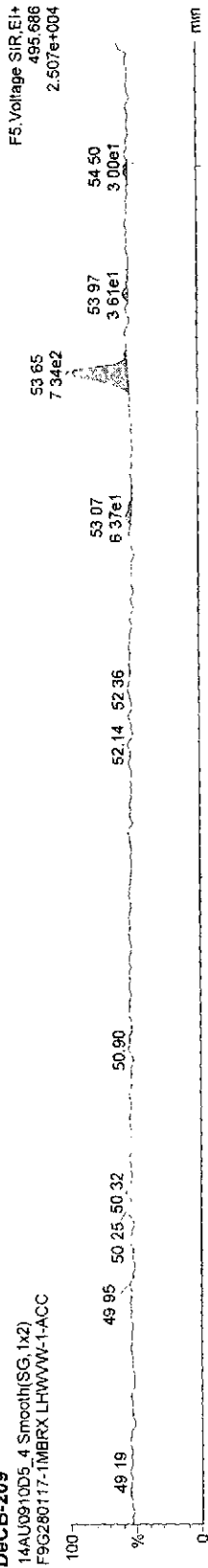
Dataset C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_4, Date: 14-Aug-2009, Time: 20:44:52, ID: LHWVW-1-ACC, Description: F9G280117-1MBRX

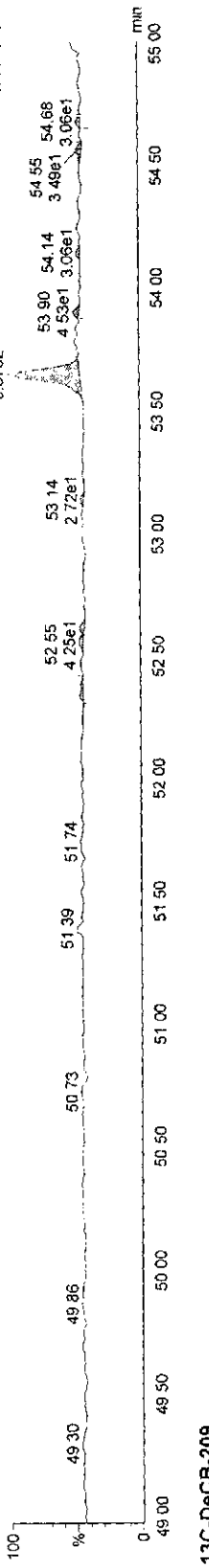
DeCB-209

14AU0910D5\_4 Smooth(SG,1x2)  
F9G280117-1MBRX LHWVW-1-ACC



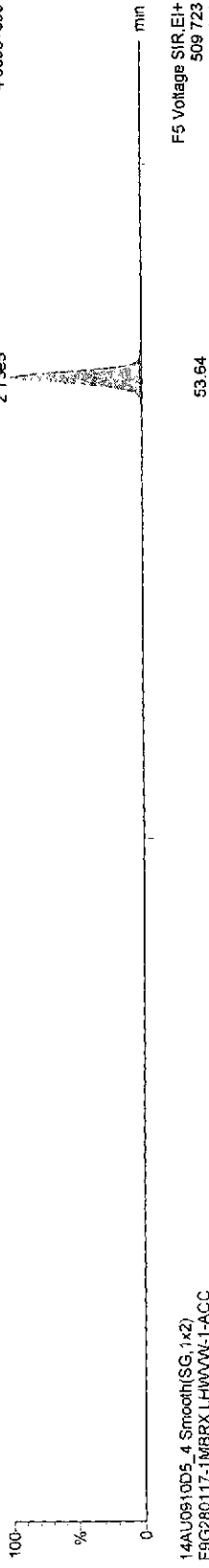
13C-DeCB-209

14AU0910D5\_4 Smooth(SG,1x2)  
F9G280117-1MBRX LHWVW-1-ACC



13C-DeCB-209

14AU0910D5\_4 Smooth(SG,1x2)  
F9G280117-1MBRX LHWVW-1-ACC



Quantify Sample Summary Report

MassLynx 4.1

Dataset: R:\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 11:22:53 Mountain Standard Time  
 Printed: Monday, August 17, 2009 11:24:47 Mountain Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1668M10DB5.mdb 04 Aug 2009 10:30:51

Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D51668M.cdb 16 Jul 2009 17:29:50

CH5L31AZ LHSMM1AA

*Signature*

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX, Task:

# Name	Trace	Sample Size	RT	Prd. RT	RRF M...	Abs. Resp	P9	EMPC	%Rec	EDL	Ratio F1	Ratio F2	Mod Date
1 13C-MoCB-3	200.0795	1.000	14.11	14.09	1.38845	555893.66	952.9357	952.9357	47.6	7.24279	3.2865	NO	
2 MoCB-1	188.03930	1.000	12.17	12.15	1.38571	729834.16	1894.9211	1894.9211		1.15030	3.1731	NO	
3 MoCB-3	188.03930	1.000	14.12	14.12	1.25915	597234.92	1706.4980	1706.4980		1.26591	3.2352	NO	
4 Total MoCB	188.03930	1.000		0.00	1.32243		3601.4191	3601.4191		1.20534			
5													
6 13C-DICB-15	234.041	1.000	20.45	20.42	1.70222	751260.69	1022.4918	1022.4918	51.1	1.07169	1.5517	NO	
7 DICB-4/10	222.000	1.000	15.27	15.27	0.69366	432764.06	1706.3360	0.0000		1.79707			
8 DICB-8/5	222.000	1.000	17.64	17.64	0.51024	625721.81	3354.0363	0.0000		2.44308			
9 DICB-15	222.000	1.000	20.46	20.46	0.76669	478250.94	1706.0590	0.0000		1.62589			
10 Total DICB	222.000	1.000		0.00	0.65686		6766.4313	0.0000		1.89774			
11													
12 13C-TrCB-28	268.002	1.000	23.37	23.35	1.35659	668689.75	1173.5306	1173.5306	58.7	7.73462	1.0499	NO	
13 TrCB-30	255.961	1.000	19.41	19.41	1.46403	697997.16	1425.5857	1425.5857		0.61159	1.0501	NO	
14 TrCB-18	255.961	1.000	20.30	20.30	1.24888	596862.78	1429.0345	1429.0345		0.71695	1.0501	NO	
15 Total F1 TrCB	255.961	1.000		0.00	1.35645		2854.6201	2854.6201		0.66009			
16 TrCB-31	255.961	1.000	23.29	23.29	1.47193	855290.97	1737.4600	1737.4600		1.30295	1.1245	NO	
17 TrCB-28	255.961	1.000	23.38	23.39	1.47144	864577.25	1756.9081	1756.9081		1.30338	0.9810	NO	
18 TrCB-37	255.961	1.000	27.42	27.44	1.26695	719611.91	1696.3511	1696.3511		1.51375	1.0567	NO	
19 Total F2 TrCB	255.961	1.000		0.00	1.40344		5281.8493	5281.8493		1.36653			
20													
21 13C-TeCB-52	301.963	1.000	25.70	25.78	1.00000	840286.16	2000.0000	2000.0000	100.0	1.40568	0.7857	NO	
22													
23 13C-TeCB-81	301.963	1.000	33.73	33.73	1.03984	583917.92	1444.8405	1444.8405	72.2	2.51142	0.7883	NO	
24 13C-TeCB-77	301.963	1.000	34.44	34.44	1.10430	598363.38	1394.1615	1394.1615	69.7	2.36483	0.7687	NO	
25 TeCB-54	289.9224	1.000	22.45	22.44	1.41398	549267.52	1314.2535	1314.2535		0.93088	0.7683	NO	
26 TeCB-52/73	289.9224	1.000	25.71	25.71	1.12730	501806.47	1506.0417	1506.0417		1.16736	0.7783	NO	
27 TeCB-47/75/48	289.9224	1.000	26.23	26.22	1.30584	529581.55	1372.0835	1372.0835		1.00775	0.7921	NO	
28 TeCB-44	289.9224	1.000	27.15	27.14	0.98730	414071.78	1418.9496	1418.9496		1.33289	0.7786	NO	
29 Total F2 TeCB	289.9224	1.000		0.00	1.20861		5611.3282	5611.3282		1.08883			
30 TeCB-66/80	289.922	1.000	30.17	30.17	1.74077	858201.72	1667.9652	1667.9652		1.65174	0.7795	NO	
31 TeCB-81	289.922	1.000	33.76	33.76	1.45839	717497.34	1685.1007	1685.1007		1.95478	0.7799	NO	

Quantify Sample Summary Report MassLynx 4.1

Dataset: R:\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 11:22:53 Mountain Standard Time  
 Printed: Monday, August 17, 2009 11:24:47 Mountain Standard Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSR, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio Fl	Mod Date
32 TeCB-77	289.922	1.000	34.45	34.45	1.27061	664082.59	1746.9327	1746.9327	100.0	2.28174	0.7790	NO
33 Total F3 TeCB	289.922	1.000		0.00	1.48992		5099.9986	5099.9986		1.92984		
34												
35 13C-PeCB-101	335.924	1.000	31.82	31.90	1.00000	777310.88	2000.0000	2000.0000	100.0	2.51856	0.6303	NO
36												
37 13C-PeCB-123	335.924	1.000	36.10	36.10	0.99324	551488.14	1428.6261	1428.6261	71.4	2.53571	0.6322	NO
38 PeCB-104	323.883	1.000	26.85	26.85	1.51630	559785.94	1318.1297	1318.1297		0.59539	0.6212	NO
39 Total F2 PeCB	323.883	1.000		0.00	1.51630		1318.1297	1318.1297		0.59539		
40 PeCB-101/89/90	323.883	1.000	31.85	31.85	1.35828	582807.95	1531.9959	1531.9959		1.99397	0.6185	NO
41 PeCB-123	323.883	1.000	36.11	36.11	1.50539	697844.69	1681.1425	1681.1425		1.72584	0.6155	NO
42 13C-PeCB-118	335.924	1.000	36.26	36.26	1.02407	560990.89	1409.4852	1409.4852	70.5	2.45936	0.6267	NO
43 PeCB-118/106	323.883	1.000	36.28	36.28	1.52536	729536.59	1705.0994	1705.0994		1.73441	0.6135	NO
44 13C-PeCB-114	335.924	1.000	37.05	37.05	1.03691	522415.30	1296.3144	1296.3144	64.8	2.42891	0.6351	NO
45 PeCB-114	323.883	1.000	37.07	37.07	1.58603	779082.56	1880.5515	1880.5515		1.83805	0.6137	NO
46 13C-PeCB-105	335.924	1.000	38.11	38.16	0.98151	581704.70	1524.9081	1524.9081	76.2	2.56601	0.6381	NO
47 PeCB-105/127	323.883	1.000	38.14	38.14	1.43326	667549.08	1601.3435	1601.3435		1.79293	0.6054	NO
48 13C-PeCB-126	335.924	1.000	40.44	40.48	1.02999	584180.19	1459.3184	1459.3184	73.0	2.44524	0.6230	NO
49 PeCB-126	323.883	1.000	40.46	40.46	1.15582	592040.13	1753.6613	1753.6613		2.44493	0.6104	NO
50 Total F3 PeCB	323.883	1.000		0.00	1.42736		10246.9635	10246.9635		1.89747		
51												
52 13C-OcCB-202	439.804	1.000	43.22	43.37	1.00000	927340.81	2000.0000	2000.0000	100.0	1.11456	0.8989	NO
53												
54 13C-HxCB-167	371.882	1.000	41.77	41.77	1.00247	639951.59	1376.7908	1376.7908	68.8	2.29296	1.3047	NO
55 HxCB-155	359.841	1.000	31.20	31.13	1.62299	820279.78	1212.6030	1212.6030		0.88450	1.2540	NO
56 HxCB-153	359.841	1.000	37.88	37.87	1.54968	679017.59	1390.2299	1390.2299		0.92634	1.2476	NO
57 HxCB-137	359.841	1.000	39.25	39.25	1.35366	597130.72	1399.6098	1399.6098		1.06048	1.2462	NO
58 HxCB-138/163/164	359.841	1.000	39.80	39.80	1.40848	636209.91	1433.1681	1433.1681		1.01921	1.2463	NO
59 Total F3 HxCB	359.841	1.000		0.00	1.46370		5482.8681	5482.8681		0.96753		
60 HxCB-128	359.841	1.000	41.71	41.72	1.25831	735881.56	1855.5300	1855.5300		3.46248	1.2586	NO
61 HxCB-167	359.841	1.000	41.81	41.77	1.34796	810604.00	1879.3779	1879.3779		3.09923	1.2530	NO
62 13C-HxCB-156	371.882	1.000	43.35	43.35	0.78510	615185.63	1689.9331	1689.9331	84.5	2.92779	1.2739	NO
63 HxCB-156	359.841	1.000	43.38	43.37	1.68840	870856.78	1676.8512	1676.8512		2.62862	1.2684	NO
64 13C-HxCB-157	371.882	1.000	43.74	43.73	0.83526	650474.22	1679.5638	1679.5638	84.0	2.75197	1.2930	NO
65 HxCB-157	359.841	1.000	43.76	43.77	1.65965	919347.50	1703.1901	1703.1901		2.46206	1.2552	NO
66 13C-HxCB-169	371.882	1.000	45.97	45.94	0.87128	615795.50	1524.3003	1524.3003	76.2	2.63822	1.3089	NO
17-Aug-09												17-Aug-09

Quantify Sample Summary Report

MassLynx 4.1

Dataset: R:\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 11:22:53 Mountain Standard Time  
 Printed: Monday, August 17, 2009 11:24:47 Mountain Standard Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCsRX, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M.	Abs Resp	P9	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
67 HxCB-169	359.841	1.000	46.00	46.00	1.09832	717622.25	2122.0795	2122.0795		4.32284	1.2577	NO	
68 Total F4 HxCB	359.841	1.000		0.00	1.41053		9347.9867	9347.9867		3.08882			
69													
70 13C-HpCB-180	405.843	1.000	44.51	44.53	0.68403	484717.75	1528.2911	1528.2911	76.4	1.62192	1.0629	NO	
71 HpCB-188	393.803	1.000	37.40	37.33	2.10927	636313.91	1072.0032	1072.0032		0.42577	1.0600	NO	
72 HpCB-187/182	393.803	1.000	40.99	40.98	1.98689	652404.72	1166.8112	1166.8112		0.45199	1.0453	NO	
73 Total F3 HpCB	393.803	1.000		0.00	2.04808		2238.8144	2238.8144		0.43849			
74 HpCB-180	393.803	1.000	44.53	44.53	1.30035	566808.56	1798.5261	1798.5261		1.92001	1.0428	NO	
75 13C-HpCB-170	405.843	1.000	46.51	46.54	0.54773	462502.14	1821.1102	1821.1102	91.1	2.02551	1.0591	NO	
76 HpCB-170/190	393.803	1.000	46.54	46.52	1.61501	602076.94	1612.1054	1612.1054		1.63175	1.0476	NO	
77 13C-HpCB-189	405.843	1.000	48.40	48.41	0.69767	741253.28	2291.4350	2291.4350	114.6	1.59020	1.0283	NO	
78 HpCB-189	393.803	1.000	48.43	48.41	1.23073	641194.72	1405.6959	1405.6959		1.23042	1.0568	NO	
79 Total F4 HpCB	393.803	1.000		0.00	1.38203		4816.3273	4816.3273		1.52195			
80													
81 13C-OcCB-194	439.804	1.000	50.40	50.38	0.46585	550050.77	2546.5327	2546.5327	127.3	2.51845	0.8989	NO	
82 OcCB-202	427.764	1.000	43.23	43.27	2.22473	566670.91	926.1483	926.1483		0.35653	0.9093	NO	
83 Total F4 OcCB	427.764	1.000		0.00	2.22473		926.1483	926.1483		0.35653			
84 OcCB-195	427.764	1.000	49.33	49.34	1.81935	672212.22	1343.4378	1343.4378		1.01745	0.9014	NO	
85 OcCB-194	427.764	1.000	50.42	50.42	1.41719	563703.41	1446.2713	1446.2713		1.30618	0.9098	NO	
86 Total F5 OcCB	427.764	1.000		0.00	1.61827		2847.6255	2847.6255		1.14388			
87													
88 13C-NoCB-208	473.765	1.000	49.23	49.22	0.75959	555285.17	1576.6312	1576.6312	78.8	1.54259	0.8055	NO	
89 NoCB-208	461.724	1.000	49.26	49.26	1.06905	579890.56	1953.7133	1953.7133		1.46650	0.7782	NO	
90 NoCB-206	461.724	1.000	52.28	52.27	0.72050	458654.67	2292.8132	2292.8132		2.17595	0.7925	NO	
91 Total NoCB	461.724	1.000		0.00	0.89477		4246.5265	4246.5265		1.75213			
92													
93 13C-DeCB-209	507.726	1.000	53.64	53.60	0.55323	571390.92	2227.4988	2227.4988	111.4	1.21450	0.6988	NO	
94 DeCB-209	495.686	1.000	53.65	53.66	1.31861	548053.27	1454.8011	1454.8011		0.47038	0.7021	NO	
95													
96 13C-MoCB-1	200.0795	1.000	12.14	12.14	1.30836					8.44686		NO	
97 13C-DiCB-4	234.041	1.000	15.29	15.29	0.74585					2.67641		NO	
98 13C-TiCB-19	288.002	1.000	18.56	18.83	0.84405	1787.64	6.3329	6.3329	0.3	19.17032	1.0936	NO	
99 13C-TeCB-54	301.963	1.000	22.42	22.42	1.28400					2.27567		NO	
1... 13C-FeCB-111	335.924	1.000	33.58	33.58	1.30475					3.15281		NO	
1...													

Quantify Sample Summary Report MassLynx 4.1

Dataset: R:\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 11:22:53 Mountain Standard Time  
 Printed: Monday, August 17, 2009 11:24:47 Mountain Standard Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1... 13C-HxCB-138	371.882	1.000	39.79	39.71	1.04381	804835.78	2446.4376	2446.4376	122.3	1.34110	1.2587	NO	
1...													
1... Function 1 PFK	218.986	1.000			0.00								
1... Function 2 PFK	330.979	1.000			0.00								
1... Function 3 PFK	380.976	1.000			0.00								
1... Function 4 PFK	380.976	1.000			0.00								
1... Function 5 PFK	480.970	1.000			0.00								

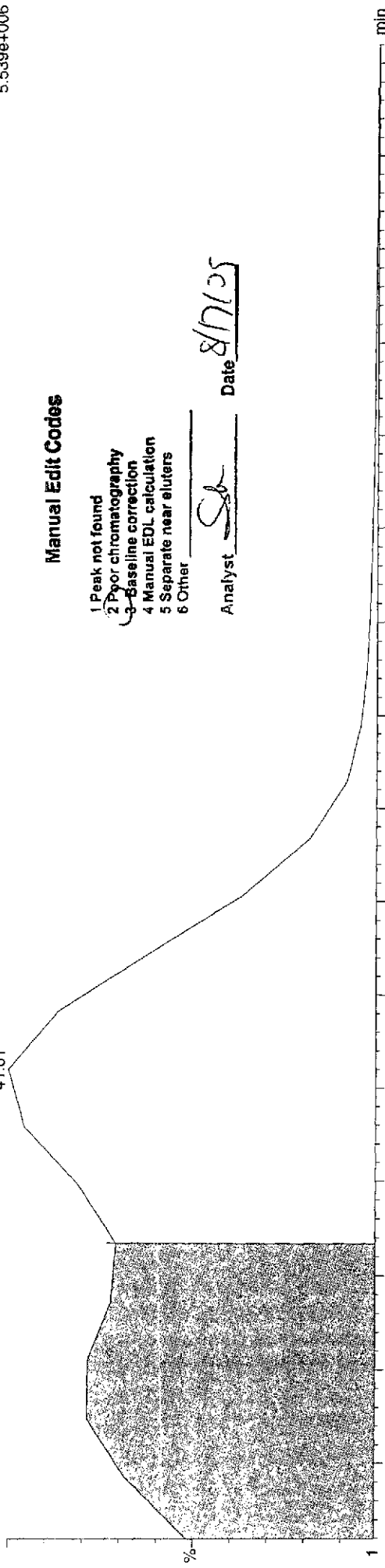
Dataset: R:\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 11:22:53 Mountain Standard Time  
Printed: Monday, August 17, 2009 11:24:13 Mountain Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1668M10DB5.mdb 04 Aug 2009 10:30:51  
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668M.cdb 16 Jul 2009 17:29:50

Sample Name: 14AU0910D5\_5  
14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3

F4: Voltage SIR, EI+  
359.841  
5.539e+006



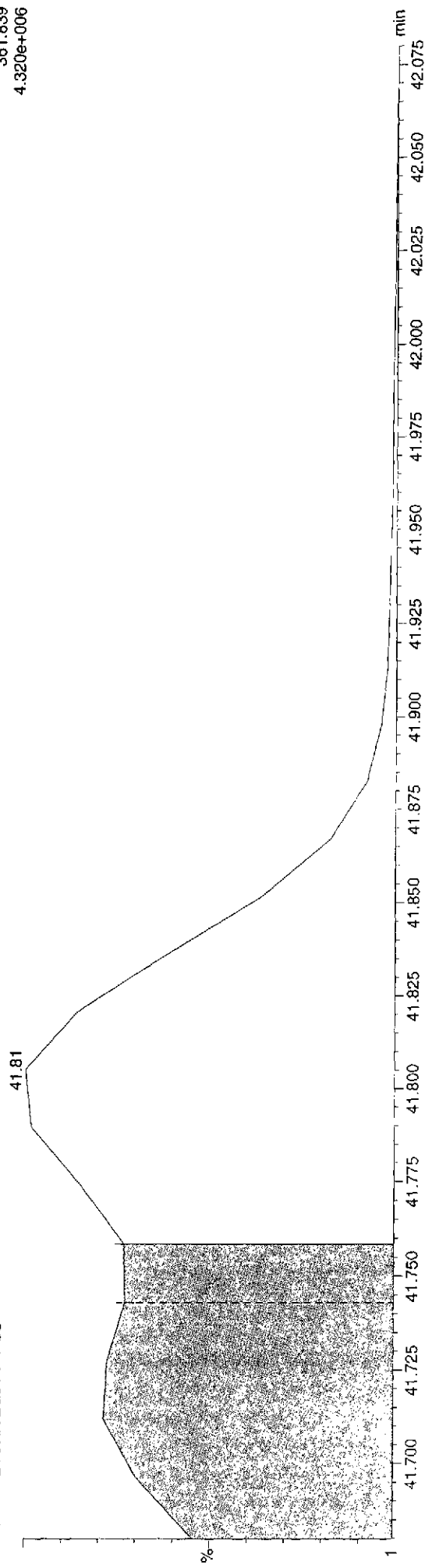
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst Sb Date 8/17/09

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3

F4: Voltage SIR, EI+  
361.839  
4.320e+006



Dataset: R:\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 11:22:53 Mountain Standard Time  
Printed: Monday, August 17, 2009 11:24:13 Mountain Standard Time

Sample Name: 14AU0910D5\_5

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRXLG9VV-1-C3

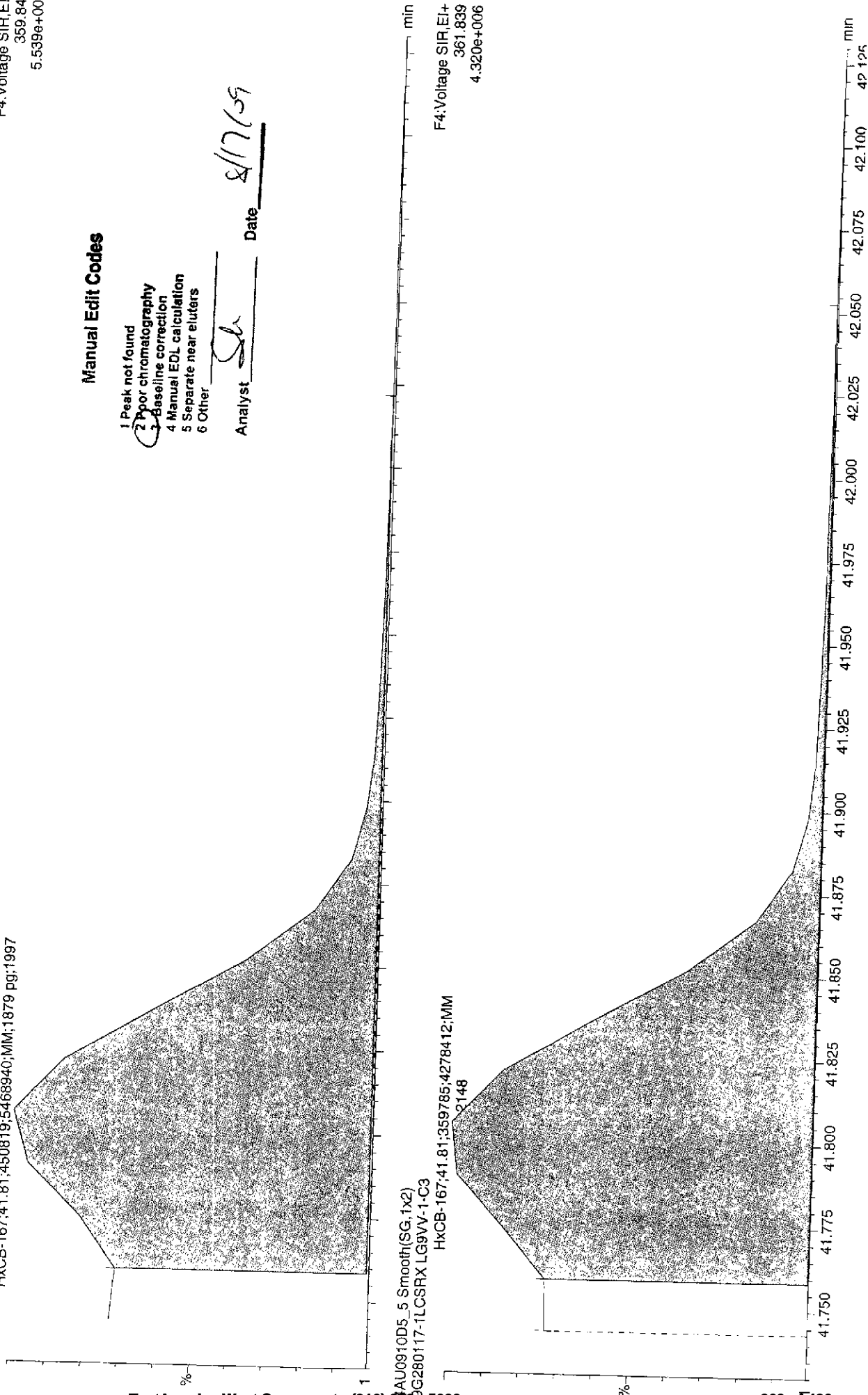
HxCB-167;41.81;450819;5468940;MM;1879 pg:1997

F4: Voltage SIR, EI+  
359.841  
5.539e+006

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst Sh Date 8/17/09



F4: Voltage SIR, EI+  
361.839  
4.320e+006



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:49:49 AM Pacific Daylight Time

4

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp.	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1 13C-MoCB-3	200.0795	1.000	14.11	14.09	1.38845	555893.66	952.9357	952.9357	47.6	7.24279	3.29	NO	
2 MoCB-1	188.03930	1.000	12.17	12.15	1.38571	729834.16	1894.9211	1894.9211		1.15030	3.17	NO	
3 MoCB-3	188.03930	1.000	14.12	14.12	1.25915	597234.92	1706.4980	1706.4980		1.26591	3.24	NO	
4 Total MoCB	188.03930	1.000		0.00	1.32243		3601.4191	3601.4191		1.20534			
5													
6 13C-DiCB-15	234.041	1.000	20.45	20.42	1.70222	731260.69	1022.4918	1022.4918	51.1	1.07169	1.55	NO	
7 DiCB-4/10	222.000	1.000	15.27	15.27	0.89366	432764.06	0.0000	0.0000		1.79707			
8 DiCB-8/5	222.000	1.000	17.64	17.64	0.51024	625721.81	3354.0363	0.0000		2.44308			
9 DiCB-15	222.000	1.000	20.46	20.46	0.76669	478250.94	1706.0590	0.0000		1.62589			
10 Total DiCB	222.000	1.000		0.00	0.65686		6766.4313	0.0000		1.89774			
11													
12 13C-TrCB-28	268.002	1.000	23.37	23.35	1.35659	668869.75	1173.5306	1173.5306	58.7	7.73462	1.05	NO	
13 TrCB-30	255.961	1.000	19.41	19.41	1.46403	697997.16	1425.5857	1425.5857		0.61159	1.05	NO	
14 TrCB-18	255.961	1.000	20.29	20.30	1.24888	596862.78	1429.0345	1429.0345		0.71695	1.05	NO	
15 Total F1 TrCB	255.961	1.000		0.00	1.35645		2854.6201	2854.6201		0.66009			
16 TrCB-31	255.961	1.000	23.29	23.29	1.47193	855290.97	1737.4600	1737.4600		1.30295	1.12	NO	
17 TrCB-28	255.961	1.000	23.38	23.39	1.47144	864577.25	1756.9081	1756.9081		1.30338	0.98	NO	
18 TrCB-37	255.961	1.000	27.42	27.44	1.26695	719611.91	1698.3511	1698.3511		1.51375	1.06	NO	
19 Total F2 TrCB	255.961	1.000		0.00	1.40344		5281.8493	5281.8493		1.36653			
20													
21 13C-TeCB-52	301.963	1.000	25.70	25.78	1.00000	840286.16	2000.0000	2000.0000	100.0	1.40568	0.79	NO	
22													
23 13C-TeCB-81	301.963	1.000	33.73	33.73	1.03984	583917.92	1444.8405	1444.8405	72.2	2.51142	0.79	NO	
24 13C-TeCB-77	301.963	1.000	34.44	34.44	1.10430	598383.38	1394.1615	1394.1615	69.7	2.36483	0.77	NO	
25 TeCB-54	289.9224	1.000	22.45	22.44	1.41398	549267.52	1314.2535	1314.2535		0.93068	0.77	NO	
26 TeCB-52/73	289.9224	1.000	25.71	25.71	1.12730	501806.47	1506.0417	1506.0417		1.16736	0.78	NO	
27 TeCB-47/75/48	289.9224	1.000	26.23	26.23	1.30584	529581.55	1372.0835	1372.0835		1.00775	0.79	NO	
28 TeCB-44	289.9224	1.000	27.15	27.15	0.98730	414071.78	1418.9496	1418.9496		1.33289	0.78	NO	
29 Total F2 TeCB	289.9224	1.000		0.00	1.20861		5611.3282	5611.3282		1.08883			
30 TeCB-66/80	289.922	1.000	30.18	30.18	1.74077	858201.72	1667.9652	1667.9652		1.65174	0.78	NO	
31 TeCB-81	289.922	1.000	33.76	33.76	1.45839	717497.34	1685.1007	1685.1007		1.95478	0.78	NO	
32 TeCB-77	289.922	1.000	34.45	34.45	1.27061	664082.59	1746.9327	1746.9327		2.28174	0.78	NO	
33 Total F3 TeCB	289.922	1.000		0.00	1.48992		5099.9986	5099.9986		1.92984			
34													
35 13C-PeCB-101	335.924	1.000	31.82	31.90	1.00000	777370.88	2000.0000	2000.0000	100.0	2.51856	0.63	NO	
36													

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prof\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:49:49 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX

# Name	Trace	Sample Size	RT	Ptd.RT RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
36												
37	13C-PeCB-123	1 000	36.10	0.99324	551488.14	1428.6261	1428.6261	71.4	2.53571	0.63	NO	
38	PeCB-104	1 000	26.85	1.51630	559785.94	1318.1297	1318.1297		0.59539	0.62	NO	
39	Total F2 PeCB	1 000		1.51630		1318.1297	1318.1297		0.59539			
40	PeCB-101/89/90	1 000	31.85	1.35828	582807.95	1531.9953	1531.9953		1.99397	0.62	NO	
41	PeCB-123	1 000	36.11	1.50539	697844.69	1681.1425	1681.1425		1.72584	0.62	NO	
42	13C-PeCB-118	1 000	36.26	1.02407	560990.89	1409.4852	1409.4852	70.5	2.45936	0.63	NO	
43	PeCB-118/106	1 000	36.28	1.52536	729536.59	1705.0994	1705.0994		1.73441	0.61	NO	
44	13C-PeCB-114	1 000	37.05	1.03691	522415.30	1296.3144	1296.3144	64.8	2.42891	0.64	NO	
45	PeCB-114	1 000	37.07	1.58603	779082.56	1880.5515	1880.5515		1.83805	0.61	NO	
46	13C-PeCB-105	1 000	38.11	0.98151	581704.70	1524.9081	1524.9081	76.2	2.56601	0.64	NO	
47	PeCB-105/127	1 000	38.14	1.43326	667549.08	1601.3435	1601.3435		1.79293	0.61	NO	
48	13C-PeCB-126	1 000	40.44	1.02999	584180.19	1459.3184	1459.3184	73.0	2.44524	0.62	NO	
49	PeCB-126	1 000	40.46	1.15582	592040.13	1753.6613	1753.6613		2.44493	0.61	NO	
50	Total F3 PeCB	1 000		1.42736		10246.9635	10246.9635		1.89747			
51												
52	13C-OcCB-202	1 000	43.21	1.00000	927340.81	2000.0000	2000.0000	100.0	1.11456	0.90	NO	
53												
54	13C-HxCB-167	1 000	41.77	1.00247	639951.59	1376.7908	1376.7908	68.8	2.29296	1.30	NO	
55	HxCB-155	1 000	31.20	1.62299	620279.78	1212.6030	1212.6030		0.88450	1.25	NO	
56	HxCB-153	1 000	37.87	1.54968	679017.59	1390.2299	1390.2299		0.92634	1.25	NO	
57	HxCB-137	1 000	39.25	1.35366	597130.72	1399.6098	1399.6098		1.06048	1.25	NO	
58	HxCB-138/163/164	1 000	39.80	1.40848	636209.91	1433.1681	1433.1681		1.01921	1.25	NO	
59	Total F3 HxCB	1 000		1.48370		5482.8681	5482.8681		0.96753			
60	HxCB-128	1 000	41.71	1.25831	683886.19	1724.4233	1558.2748		3.46248	1.48	YES	
61	HxCB-167	1 000	41.81	1.34796	863949.91	2003.0599	2003.0599		3.09923	1.11	NO	
62	13C-HxCB-156	1 000	43.35	0.78510	615185.63	1689.9331	1689.9331	84.5	2.92779	1.27	NO	
63	HxCB-156	1 000	43.38	1.68840	870856.78	1676.8512	1676.8512		2.62862	1.27	NO	
64	13C-HxCB-157	1 000	43.74	0.83526	650474.22	1679.5638	1679.5638	84.0	2.75197	1.29	NO	
65	HxCB-157	1 000	43.76	1.65965	919347.50	1703.1901	1703.1901		2.46206	1.26	NO	
66	13C-HxCB-169	1 000	45.97	0.87128	615795.50	1524.3003	1524.3003	76.2	2.63822	1.31	NO	
67	HxCB-169	1 000	46.00	1.09832	717622.25	2122.0795	2122.0795		4.32284	1.26	NO	
68	Total F4 HxCB	1 000		1.41053		9340.5620	9340.5620		3.08882			
69												
70	13C-HpCB-180	1 000	44.52	0.68403	484717.75	1528.2911	1528.2911	76.4	1.62192	1.06	NO	
71												

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:49:49 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	Pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
71 HpCB-188	393.803	1.000	37.40	37.33	2.10927	636313.91	1072.0032	1072.0032		0.42577	1.06	NO	
72 HpCB-187/182	393.803	1.000	40.99	40.98	1.98689	652404.72	1166.8112	1166.8112		0.45199	1.05	NO	
73 Total F3 HpCB	393.803	1.000		0.00	2.04808		2238.8144	2238.8144		0.43849			
74 HpCB-180	393.803	1.000	44.53	44.53	1.30035	566808.56	1798.5261	1798.5261		1.92001	1.04	NO	
75 13C-HpCB-170	405.843	1.000	46.51	46.54	0.54773	462502.14	1821.1102	1821.1102	91.1	2.02551	1.06	NO	
76 HpCB-170/190	393.803	1.000	46.54	46.52	1.61501	602076.94	1612.1054	1612.1054		1.63175	1.05	NO	
77 13C-HpCB-189	405.843	1.000	48.40	48.41	0.69767	741253.28	2291.4350	2291.4350	114.6	1.59020	1.03	NO	
78 HpCB-189	393.803	1.000	48.43	48.41	1.23073	641194.72	1405.6959	1405.6959		1.23042	1.06	NO	
79 Total F4 HpCB	393.803	1.000		0.00	1.38203		4816.3273	4816.3273		1.52195			
80													
81 13C-OcCB-194	439.804	1.000	50.40	50.38	0.46585	550050.77	2546.5327	2546.5327	127.3	2.51845	0.90	NO	
82 OcCB-202	427.764	1.000	43.23	43.27	2.22473	566670.91	926.1483	926.1483		0.35653	0.91	NO	
83 Total F4 OcCB	427.764	1.000		0.00	2.22473		926.1483	926.1483		0.35653			
84 OcCB-195	427.764	1.000	49.33	49.34	1.81935	672212.22	1343.4378	1343.4378		1.01745	0.90	NO	
85 OcCB-194	427.764	1.000	50.42	50.42	1.41719	563703.41	1446.2713	1446.2713		1.30618	0.90	NO	
86 Total F5 OcCB	427.764	1.000		0.00	1.61827		2847.6255	2847.6255		1.14388			
87													
88 13C-NoCB-208	473.765	1.000	49.23	49.22	0.75959	555285.17	1576.6312	1576.6312	78.8	1.54259	0.81	NO	
89 NoCB-208	461.724	1.000	49.26	49.26	1.06905	579890.56	1953.7133	1953.7133		1.46650	0.78	NO	
90 NoCB-206	461.724	1.000	52.28	52.27	0.72050	458654.67	2292.8132	2292.8132		2.17595	0.79	NO	
91 Total NoCB	461.724	1.000		0.00	0.89477		4246.5265	4246.5265		1.75213			
92													
93 13C-DeCB-209	507.726	1.000	53.64	53.60	0.55323	571390.92	2227.4988	2227.4988	111.4	1.21450	0.70	NO	
94 DeCB-209	495.686	1.000	53.65	53.66	1.31861	548053.27	1454.8011	1454.8011		0.47038	0.70	NO	
95													
96 13C-MoCB-1	200.0795	1.000	12.14	12.14	1.30836					8.44686		NO	
97 13C-DiCB-4	234.041	1.000	15.23	15.23	0.74585					2.67641		NO	
98 13C-TrCB-19	268.002	1.000	18.56	18.83	0.84405	1787.64	6.3329	6.3329	0.3	19.17032	1.09	NO	
99 13C-TeCB-54	301.963	1.000	22.42	22.42	1.28400					2.27567		NO	
1.. 13C-PeCB-111	335.924	1.000	33.58	33.58	1.30475					3.15281		NO	
1.													
1													
1 13C-HxCB-138	371.882	1.000	39.79	39.71	1.04381	804835.78	2446.4376	2446.4376	122.3	1.34110	1.26	NO	
2													
3 Function 1 PFK	218.986	1.000			0.00								

Quantify Sample Summary Report

MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D5\1668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:49:49 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX

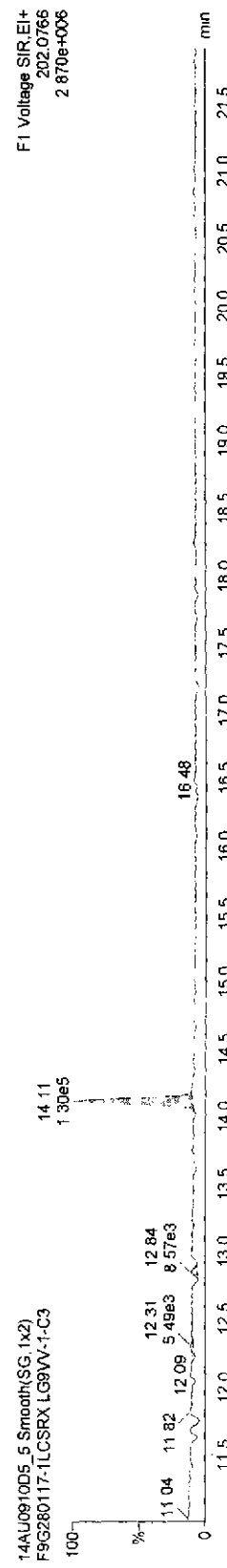
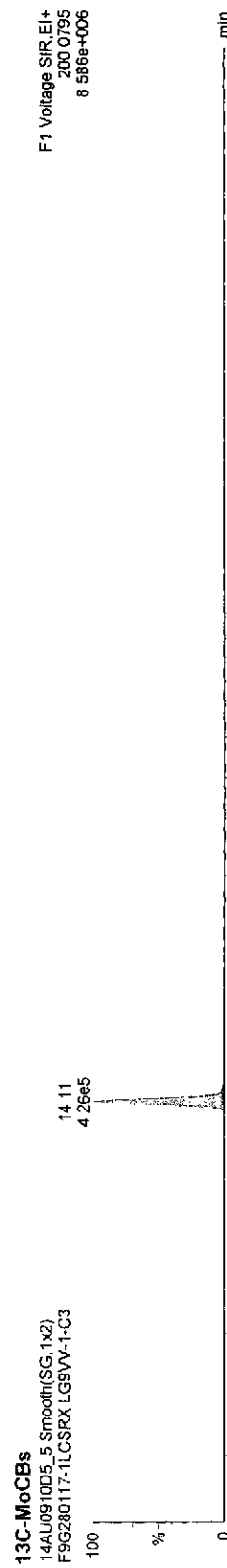
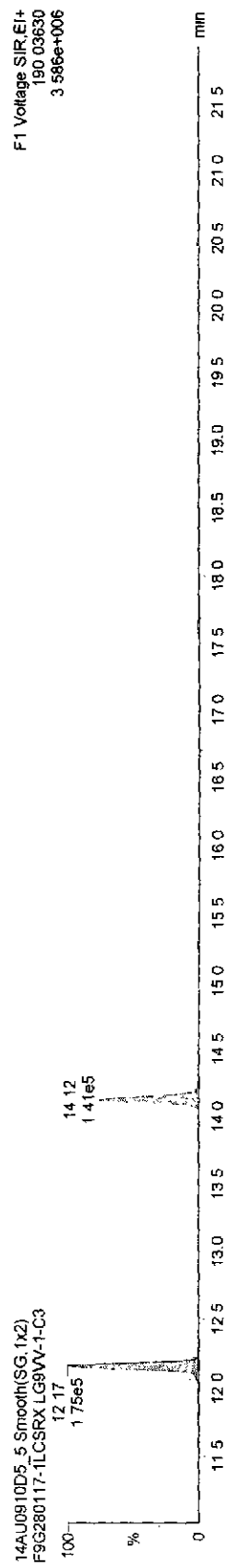
# Name	Trace	Sample Size	RT	Prd.RT	RRF.M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio Fl...	Mod Date
1 Function 2 PFK	330.979	1 000				0.00						
1 Function 3 PFK	380.976	1 000				0.00						
1 Function 4 PFK	380.976	1 000				0.00						
1... Function 5 PFK	480.970	1 000				0.00						

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX



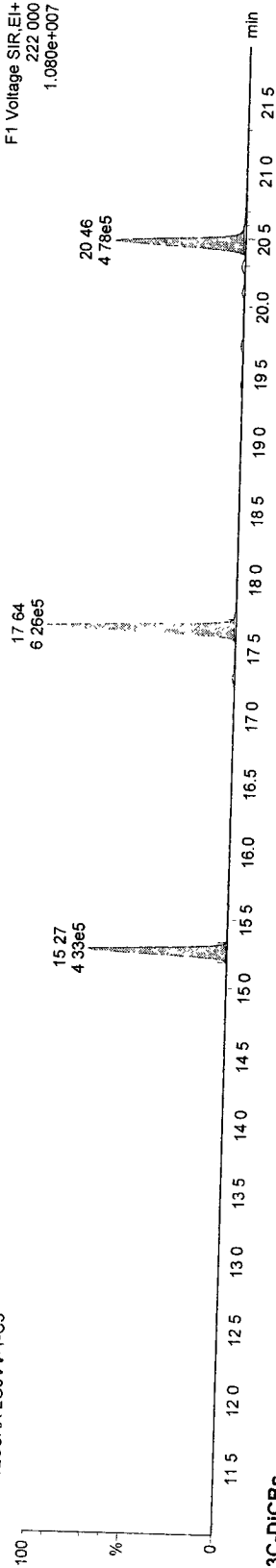
Dataset C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX

DICBs

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3



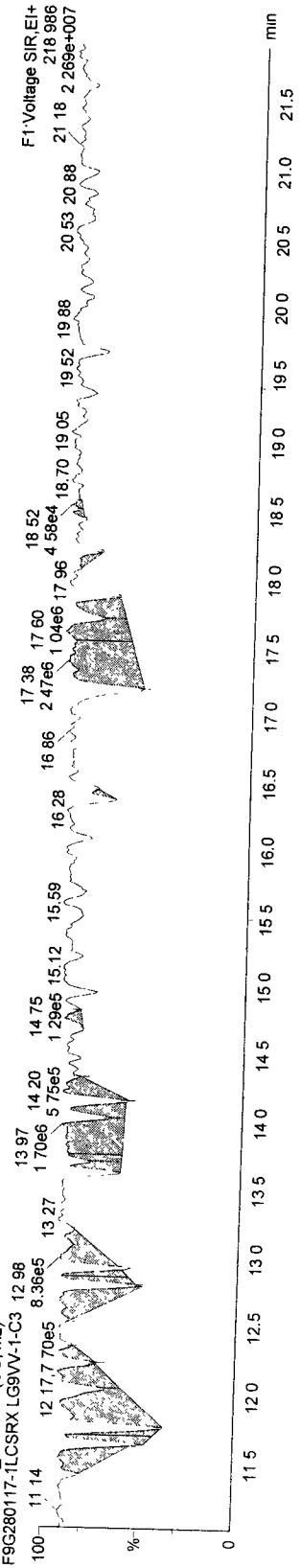
13C-DICBs

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3



Function 1 PFK

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3



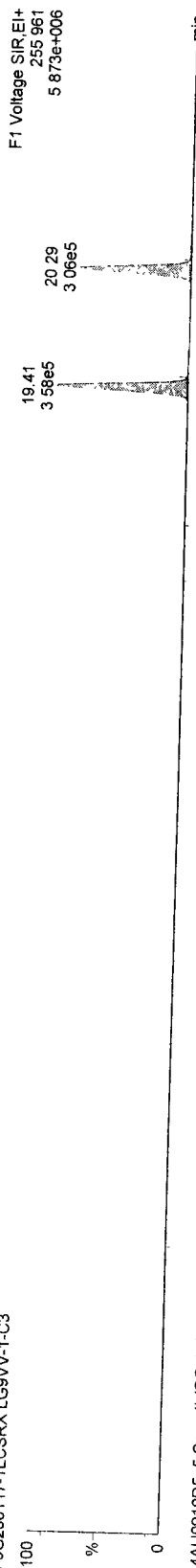
Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

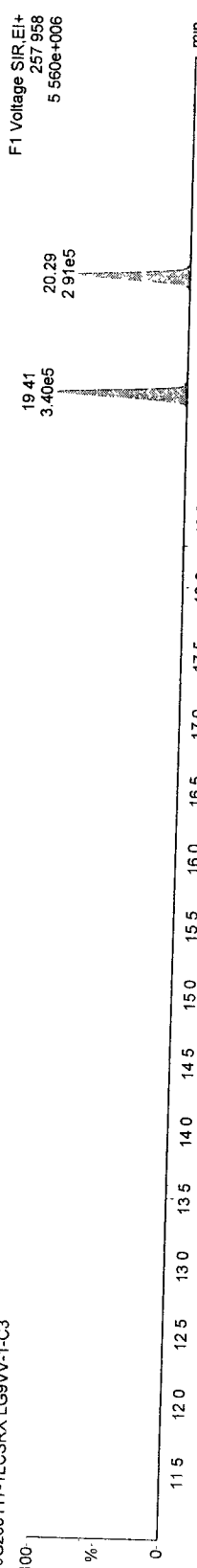
Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX

TrCBs

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3

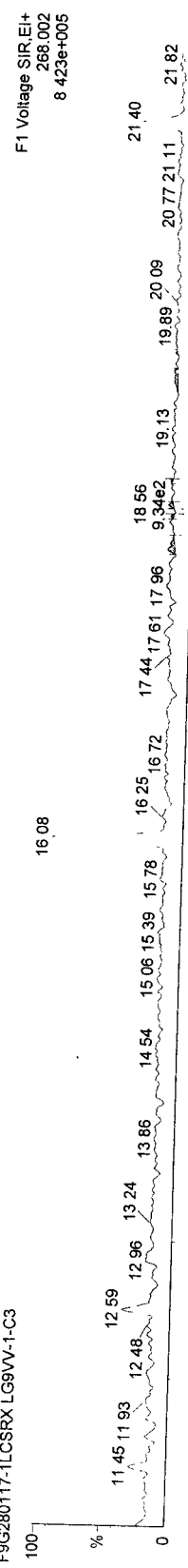


14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3

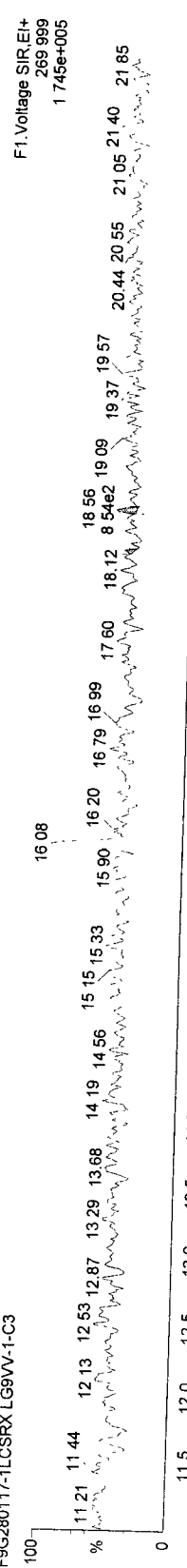


13C-TCBs

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3



14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3



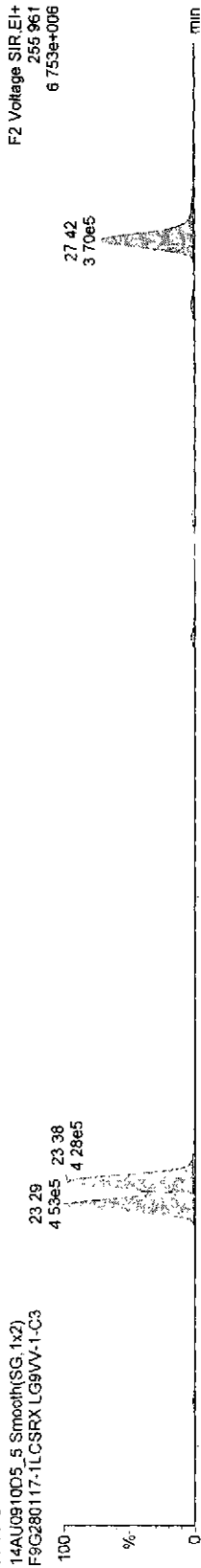
Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default.pro\14AU0910D51668M.qld

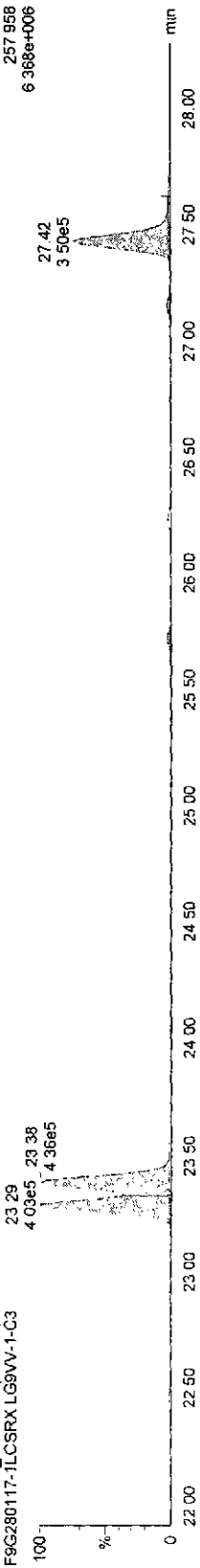
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX

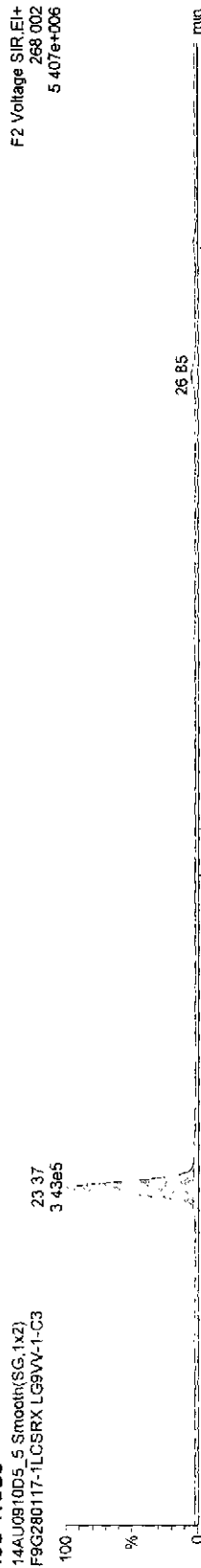
TrCBs



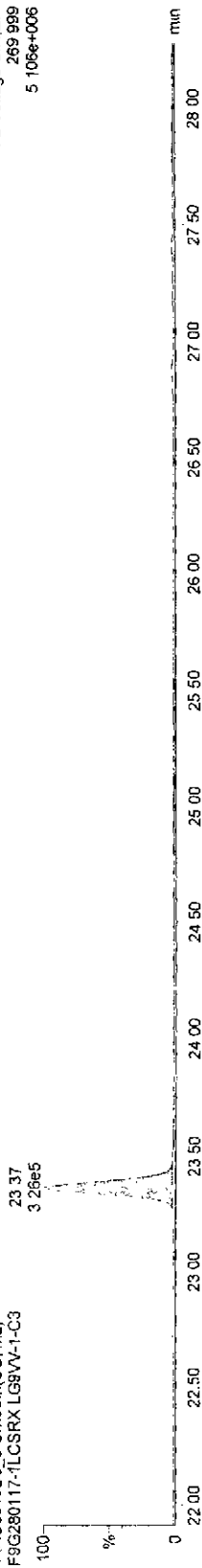
TrCBs



13C-TrCBs



TrCBs



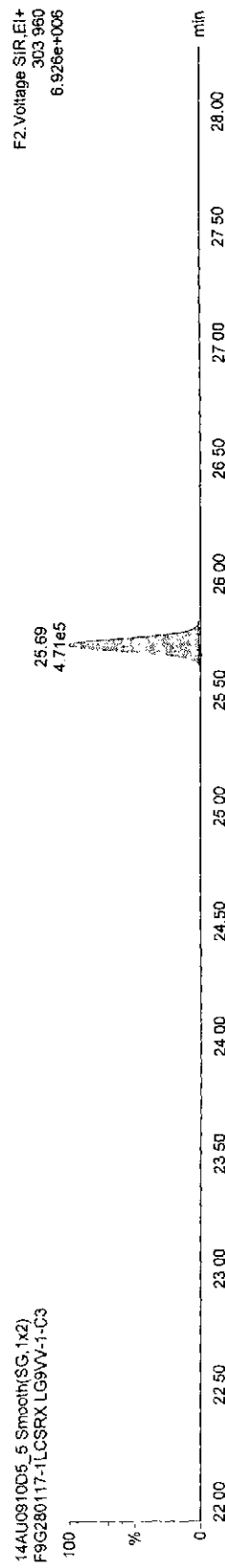
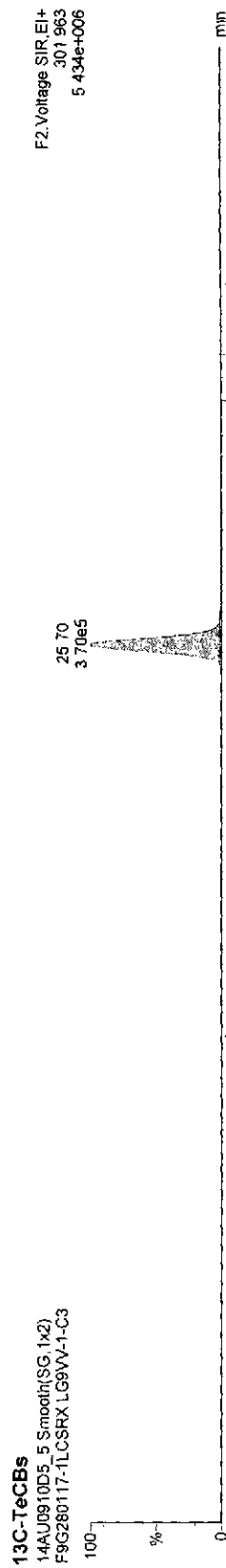
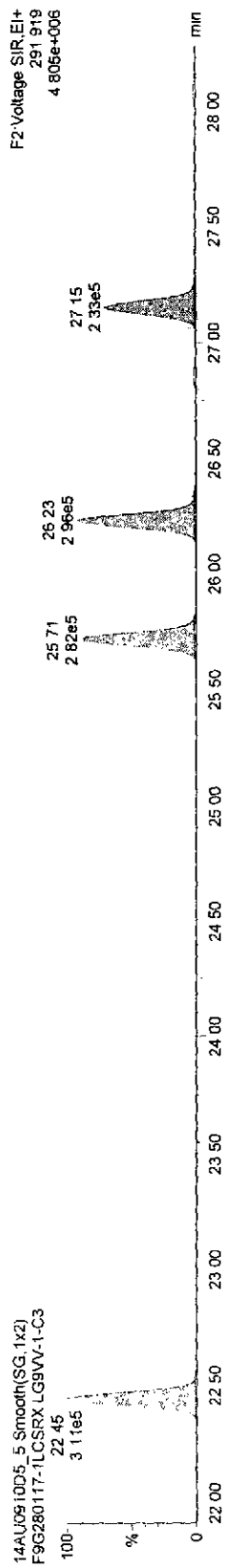
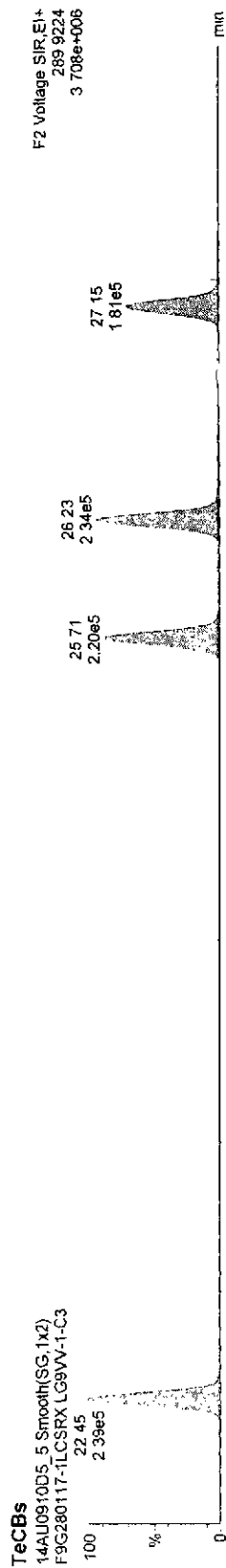


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

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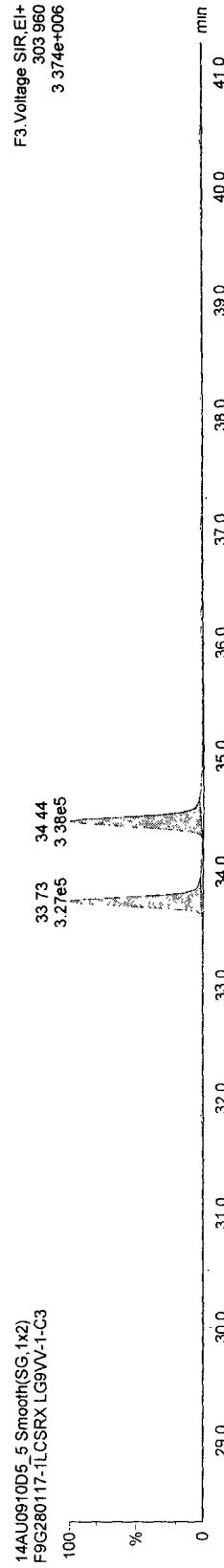
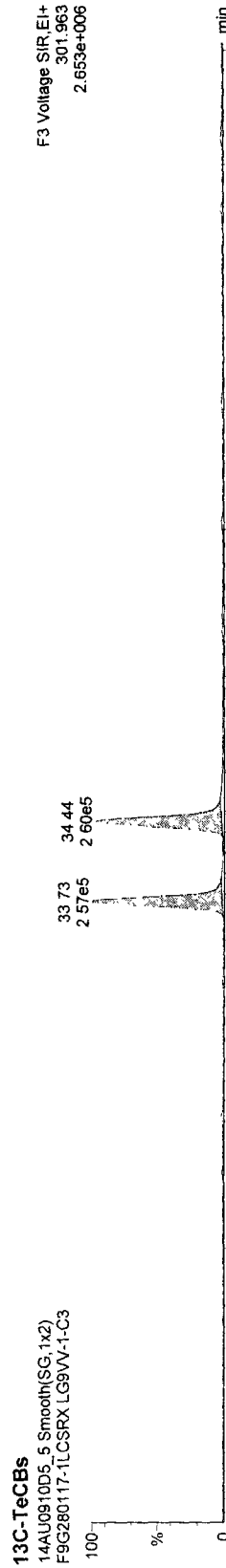
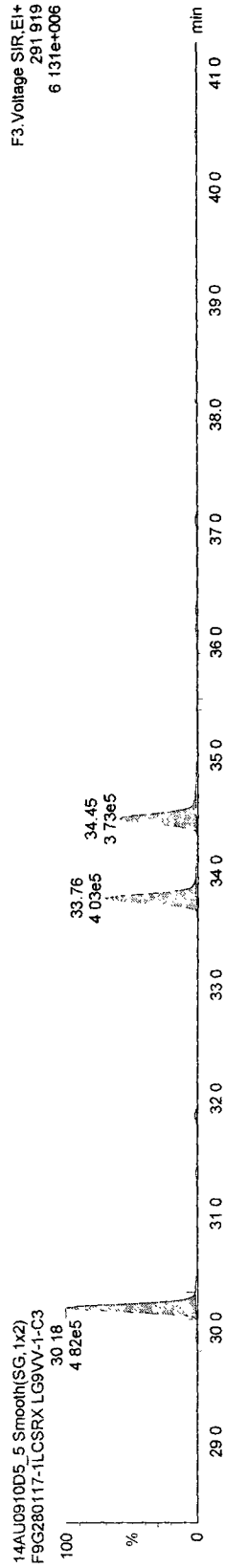
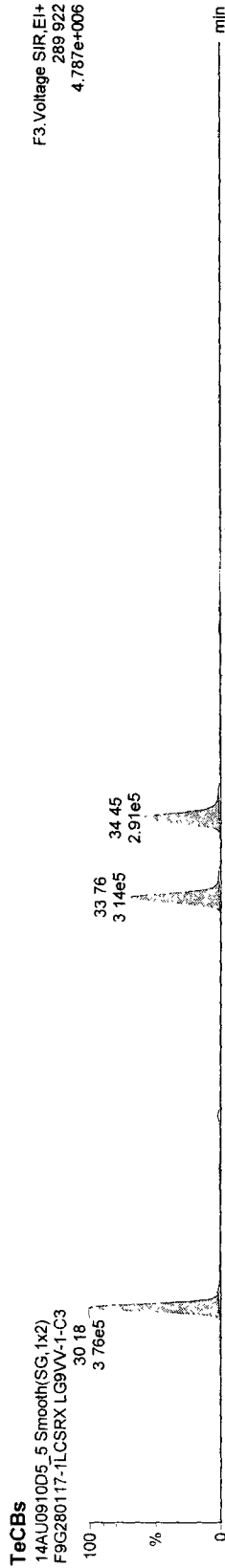


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX



Quantify Sample Report MassLynx 4.1

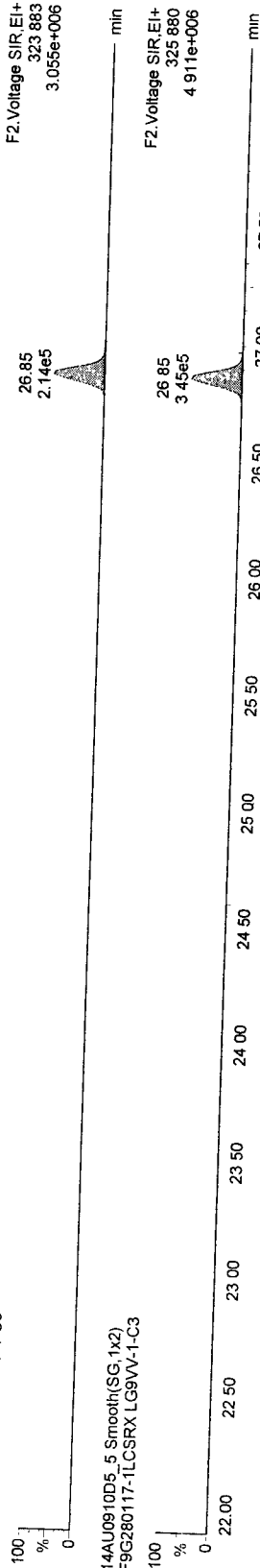
Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX

PeCBS

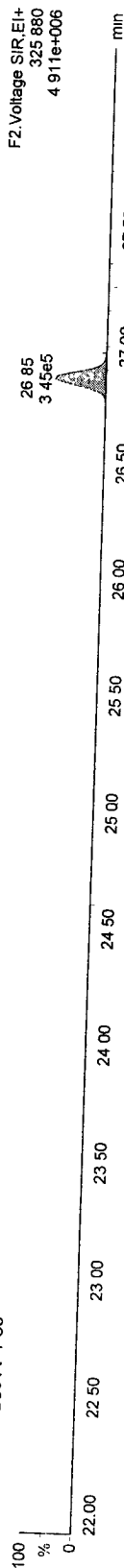
14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3



F2.Voltage SIR.EI+  
323 883  
3.055e+006

14AU0910D5\_5 Smooth(SG,1x2)

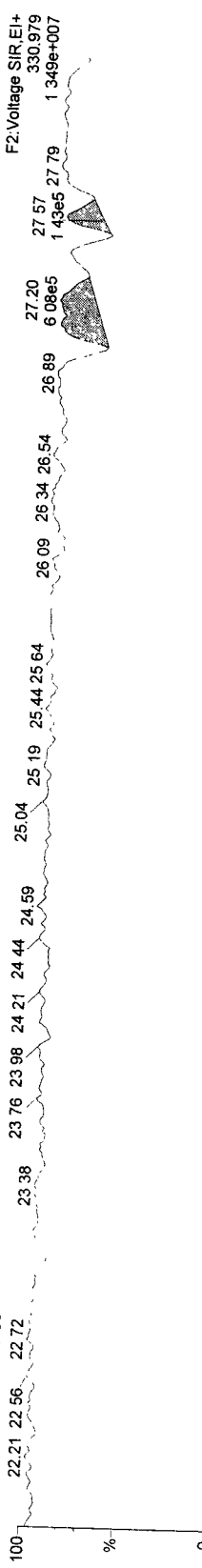
F9G280117-1LCSRX LG9VV-1-C3



F2.Voltage SIR.EI+  
325 880  
4 911e+006

Function 2 PFK

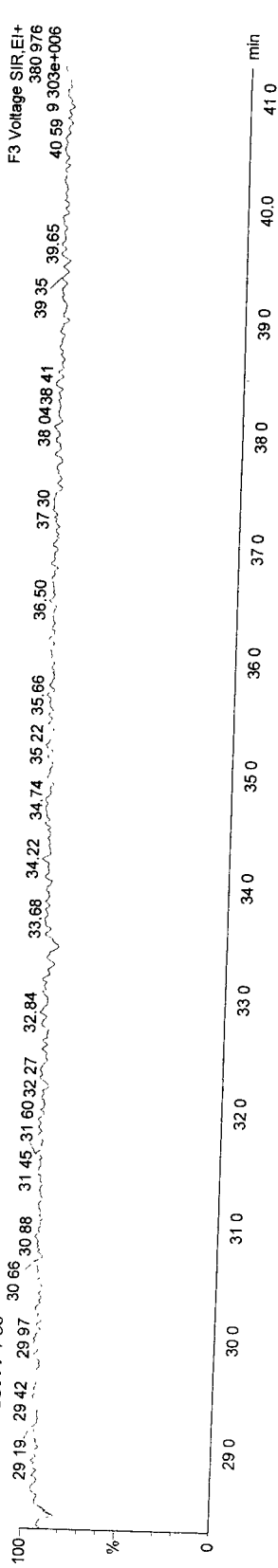
14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3



F2.Voltage SIR.EI+  
330.979  
1 43e5 27 79 1 349e+007

Function 3 PFK

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3



F3.Voltage SIR.EI+  
380.976  
40 59 9 303e+006

Quantify Sample Report MassLynx 4.1

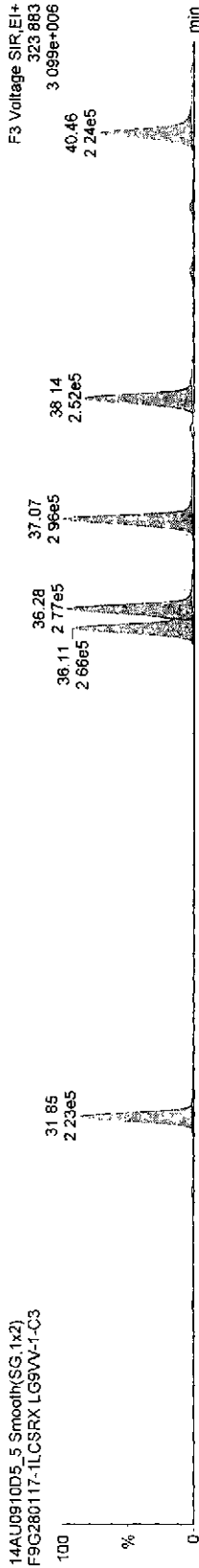
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Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time

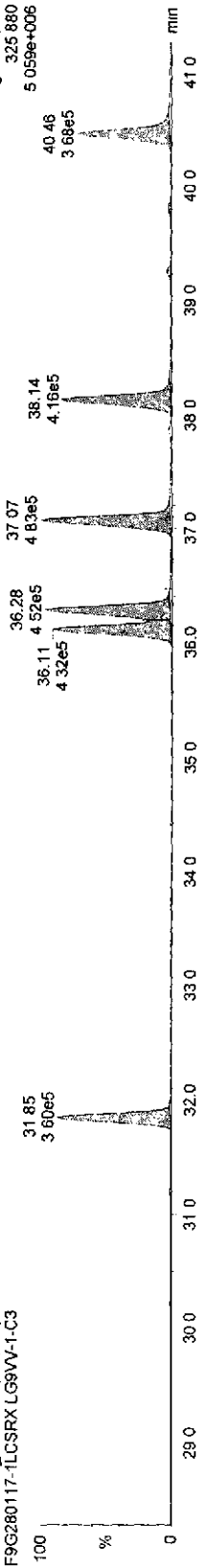
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

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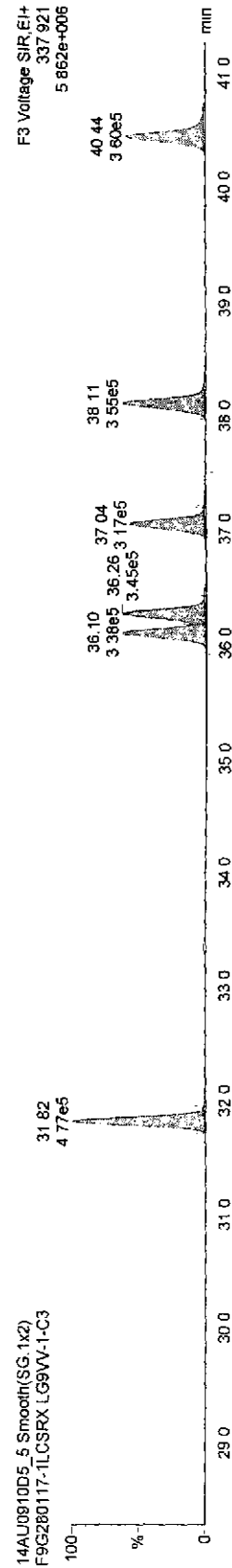
PeCBs



13C-PeCBs



13C-PeCBs



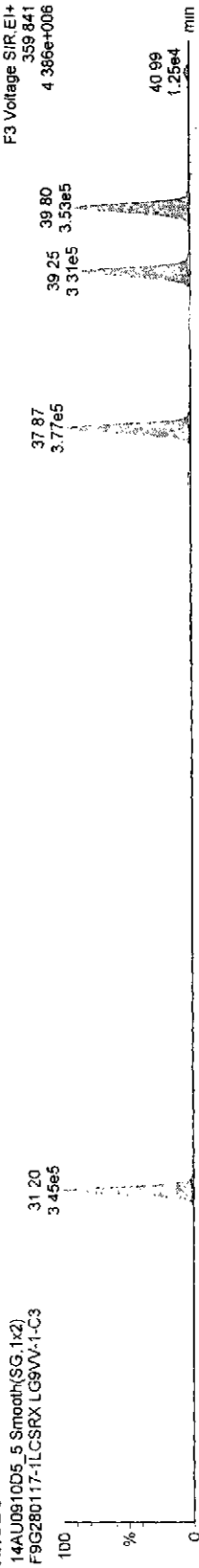
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9V-1-C3, Description: F9G280117-1LCSRX

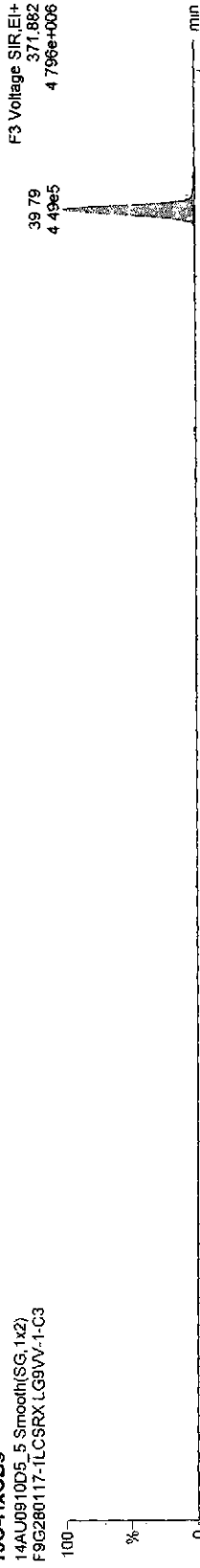
HxCBs



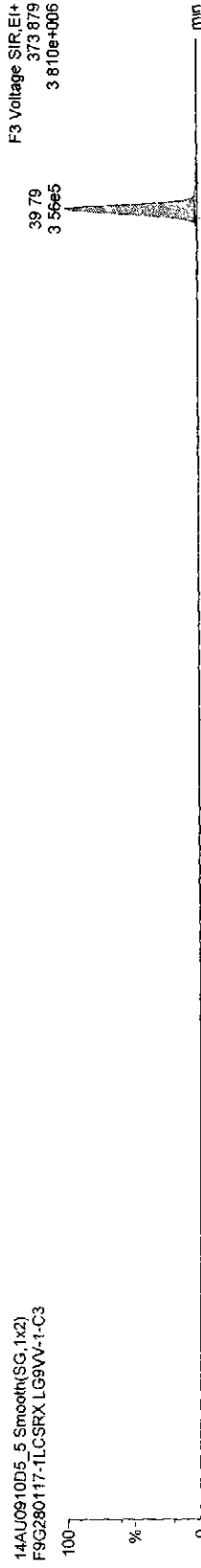
13C-HxCBs



13C-HxCBs



HxCBs



Quantify Sample Report MassLynx 4.1

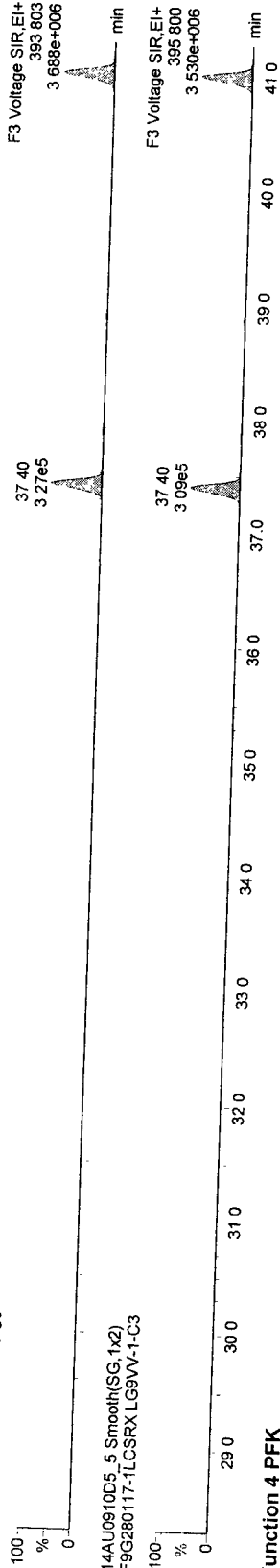
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Last Altered Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX

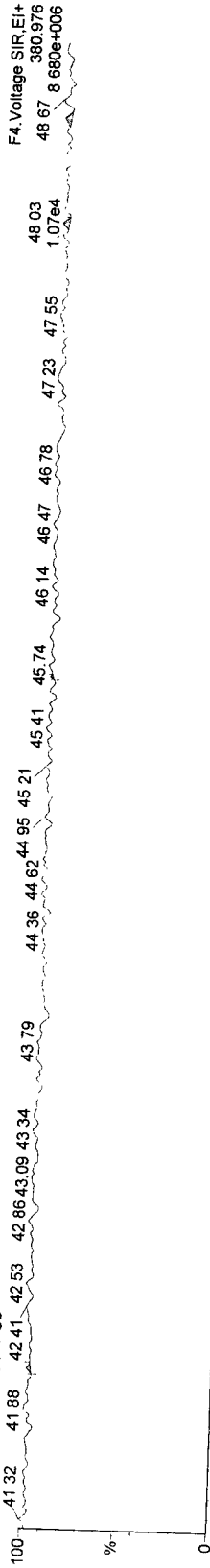
HpCBs

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3



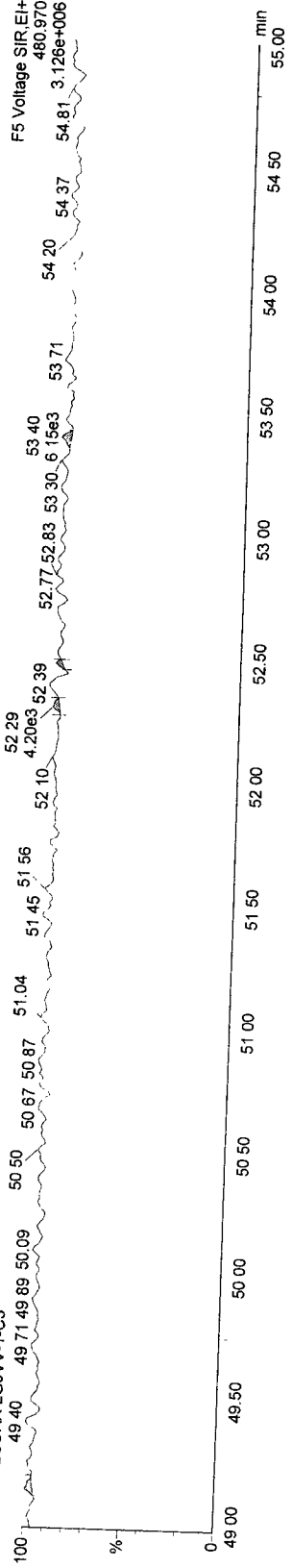
Function 4 PFK

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3



Function 5 PFK

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX LG9VV-1-C3



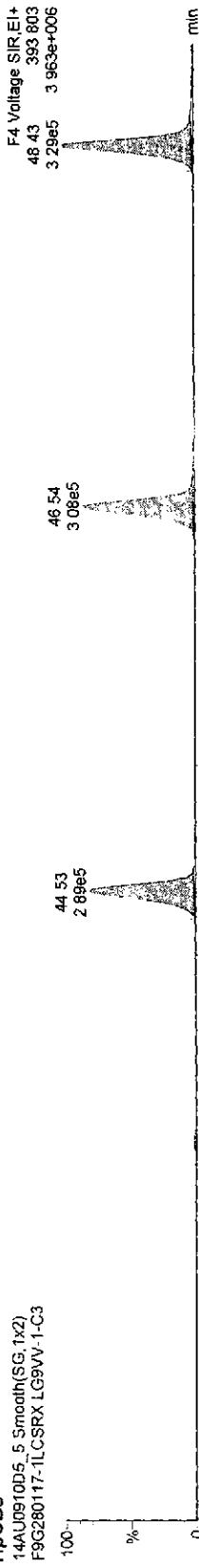
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

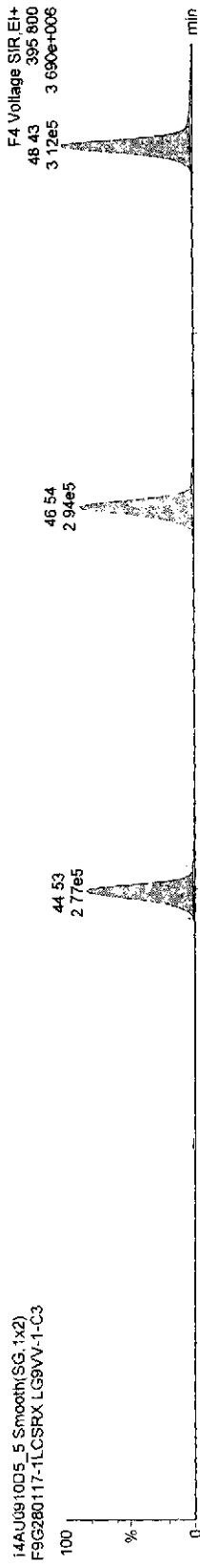
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX

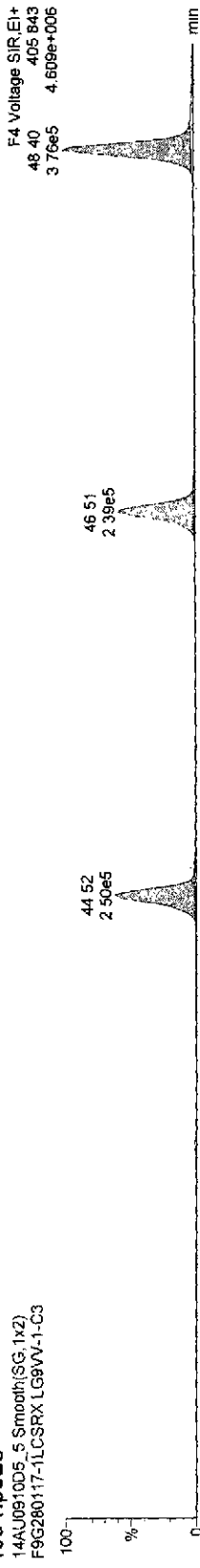
HpCBs



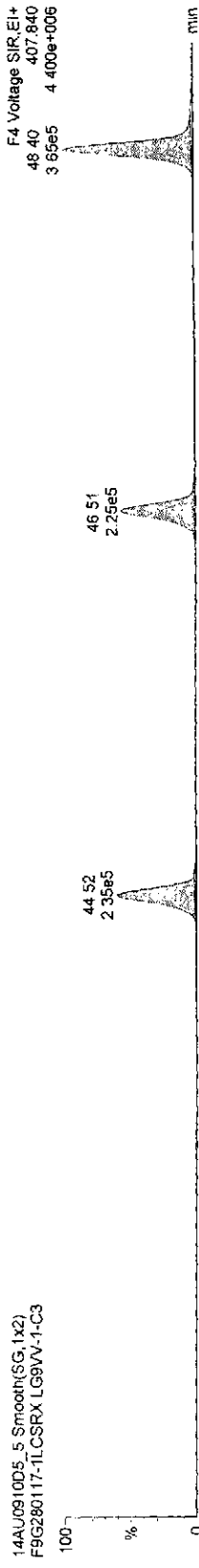
13C-HpCBs



13C-HpCBs



13C-HpCBs



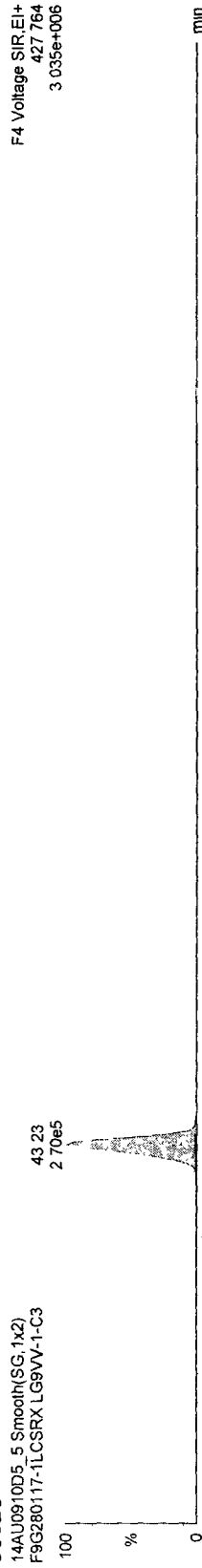
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

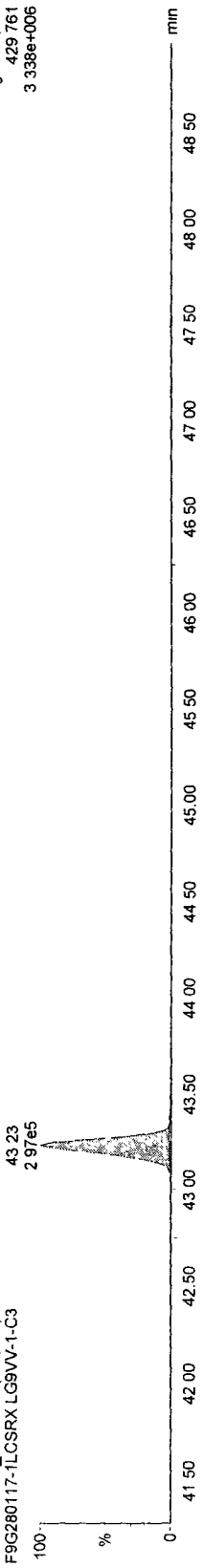
Last Altered Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

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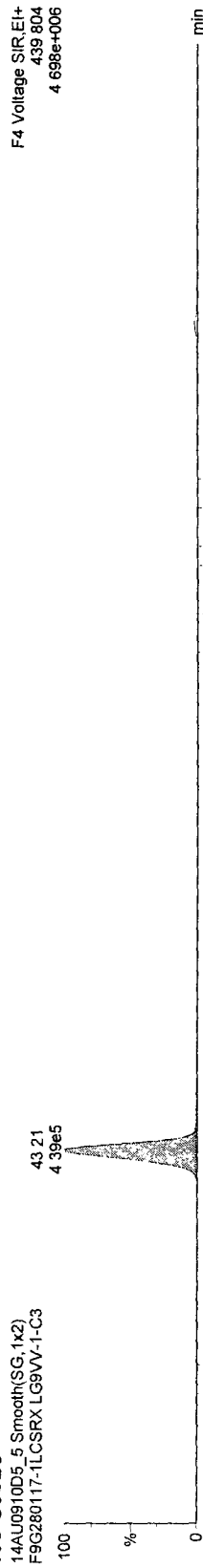
OcCBs



13C-OcCBs



OcCBs





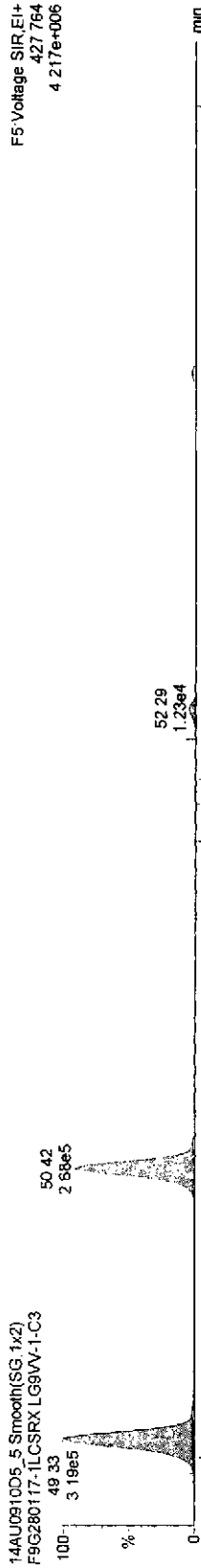
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\14AU0910D51668M.qld

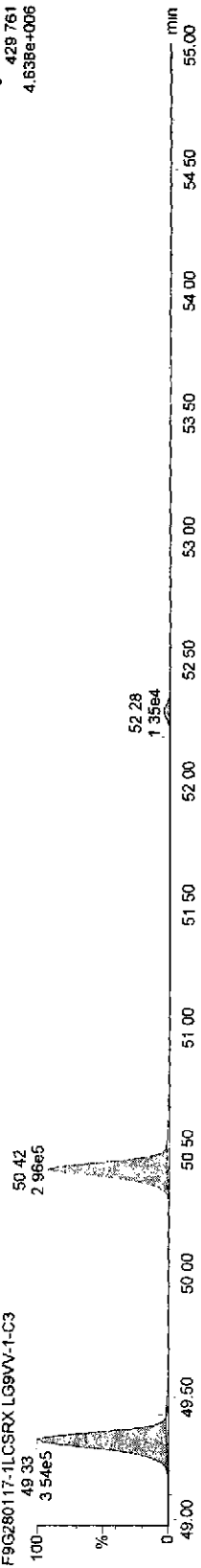
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

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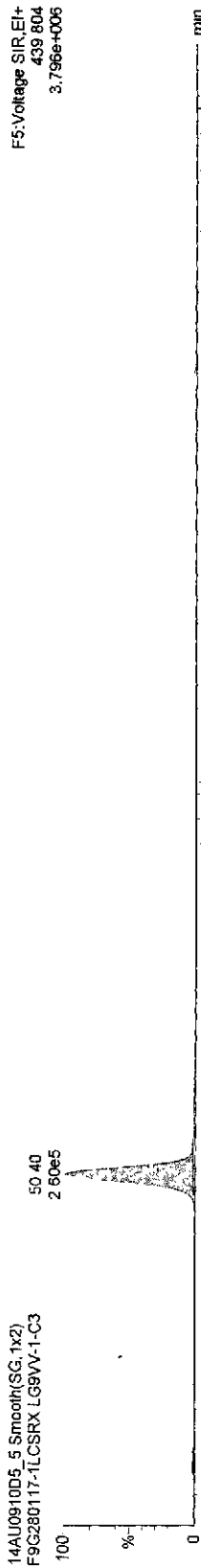
OcCBs



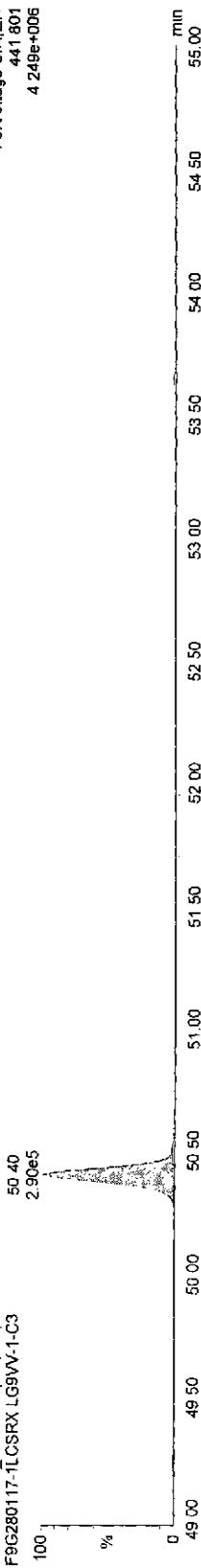
OcCBs



13C-OcCBs



OcCBs

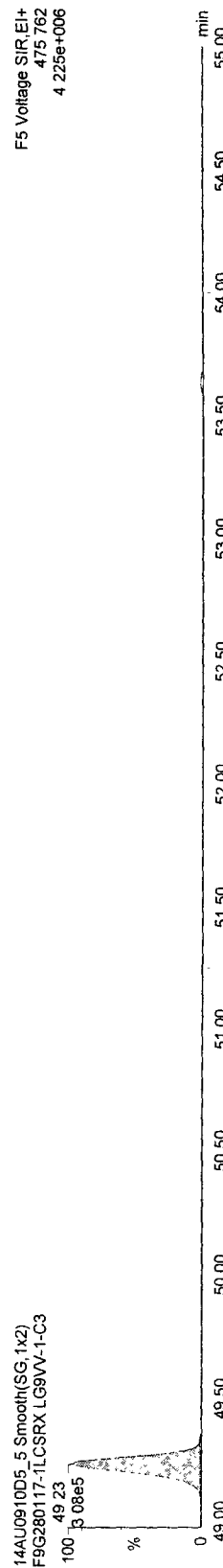
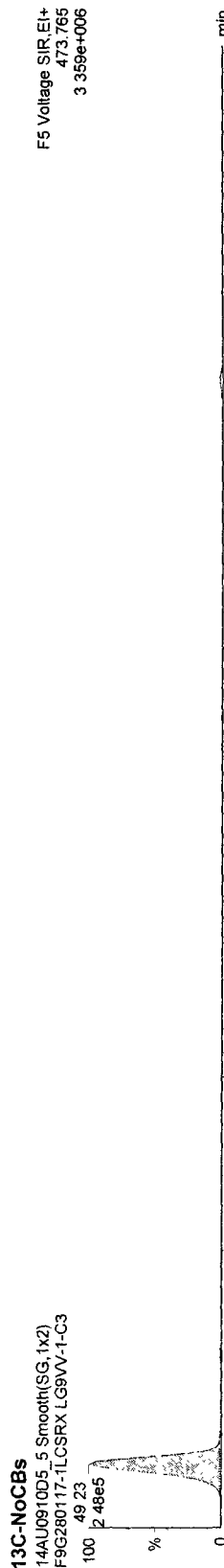
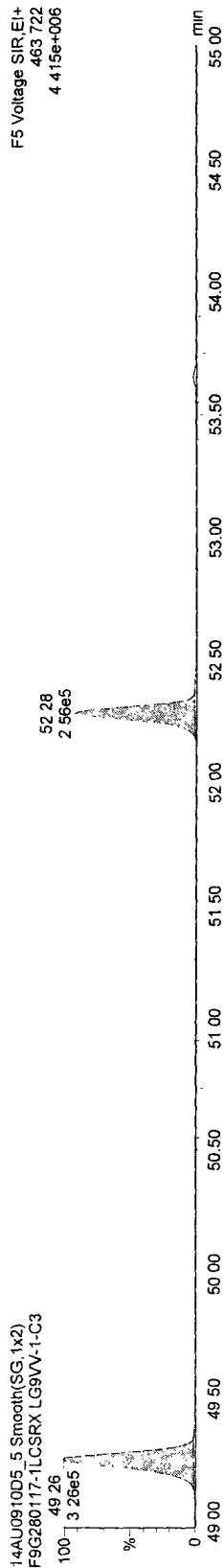
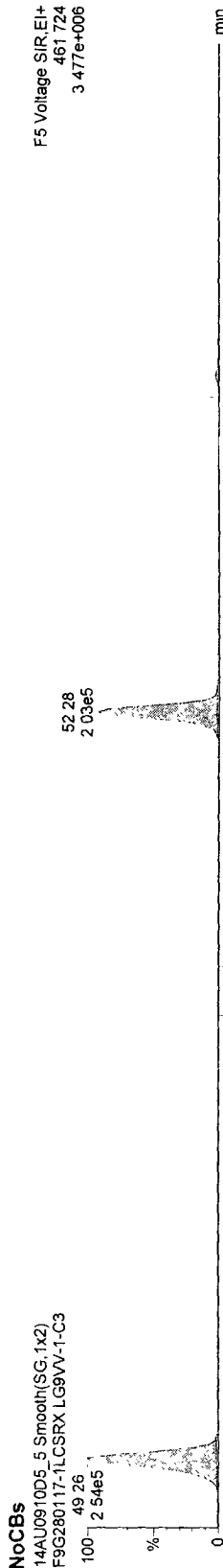


Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX



Quantify Sample Report MassLynx 4.1

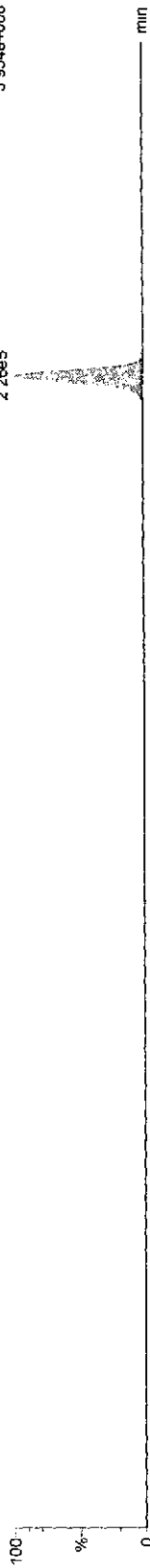
Dataset C:\MassLynx\Default pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_5, Date: 14-Aug-2009, Time: 21:41:39, ID: LG9VV-1-C3, Description: F9G280117-1LCSRX

DeCB-209

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX.LG9VV-1-C3

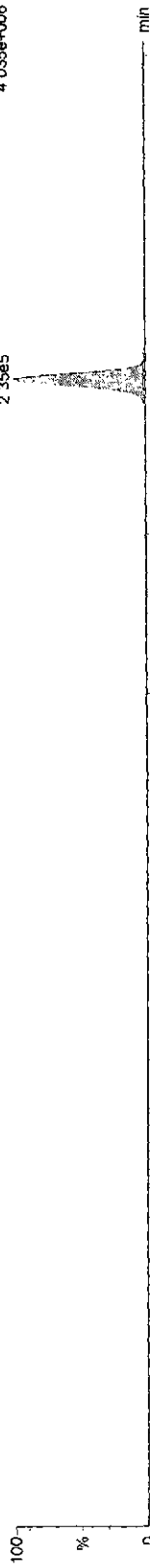


14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX.LG9VV-1-C3



13C-DeCB-209

14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX.LG9VV-1-C3



14AU0910D5\_5 Smooth(SG,1x2)  
F9G280117-1LCSRX.LG9VV-1-C3



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668MSL.qld

Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 10:47:52 AM Pacific Daylight Time

AK 8/22/09

Name: 14AU0910D5\_11, Date: 15-Aug-2009, Time: 03:22:41, ID: LHKQH-1-AA, Description: G9H050321-9

# Name	Trace	Sample Size	RT	Prd.RT RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	1.034	31.82	32.13	1.00000	921387.38	1933.4880	100.0	1.82994	0.63	NO	
2												
3 13C-TeCB-81	301.963	1.034	33.73	33.77	1.03984	910733.97	1837.9073	95.1	2.02849	0.79	NO	
4 TeCB-81	289.922	1.034	33.75	33.75	1.45839			0	4.6682		NO	
5 13C-TeCB-77	301.963	1.034	34.44	34.47	1.10430	940439.03	1787.0746	92.4	1.91008	0.78	NO	
6 TeCB-77	289.922	1.034	34.45	34.45	1.27061			0	5.6382		NO	
7												
8 13C-PeCB-123	335.924	1.034	36.08	36.10	0.99324	880200.94	1859.6371	96.2	1.84240	0.61	NO	
9 PeCB-123	323.883	1.034	36.26	36.10	1.50539	1536.93	2.2427		0.43004	0.69	NO	
10 13C-PeCB-118	335.924	1.034	36.25	36.26	1.02407	874456.56	1791.8718	92.7	1.78692	0.62	NO	
11 PeCB-118/106	323.883	1.034	37.04	36.26	1.52536				0.42736		NO	
12 13C-PeCB-114	335.924	1.034	37.05	37.05	1.03691	831223.00	1682.1936	87.0	1.76480	0.62	NO	
13 PeCB-114	323.883	1.034	37.05	37.05	1.58603				0.44040		NO	
14 13C PeCB-105	335.924	1.034	38.11	38.13	0.98151	893955.78	1911.2659	98.9	1.86441	0.62	NO	
15 PeCB-105/127	323.883	1.034	38.14	38.13	1.43326	743.13	0.5197		0.48085	0.21	YES	
16 13C-PeCB-126	335.924	1.034	40.42	40.47	1.02999	908149.38	1850.2248	95.7	1.77666	0.63	NO	
17 PeCB-126	323.883	1.034	40.45	40.45	1.15582				0.61507		NO	
18												
19 13C-OcCB-202	439.804	1.034	43.20	43.51	1.00000	1078558.53	1933.4880	100.0	0.75091	0.89	NO	
20												
21 13C-HxCB-167	371.882	1.034	41.77	41.79	1.00247	938583.84	1678.4215	86.8	1.90056	1.27	NO	
22 HxCB-167	359.841	1.034	41.71	41.81	1.34796	311.41	0.4759		0.44577	0.69	YES	
23 13C-HxCB-156	371.882	1.034	43.35	43.37	0.78510	902129.78	2059.8685	106.5	2.42674	1.27	NO	
24 HxCB-156	359.841	1.034	43.37	43.38	1.68840	287.25	0.3646		0.37967	0.75	YES	
25 13C-HxCB-157	371.882	1.034	43.74	43.76	0.83526	948724.44	2036.1682	105.3	2.28100	1.30	NO	
26 HxCB-157	359.841	1.034	43.76	43.76	1.65965				0.37741		NO	
27 13C-HxCB-169	371.882	1.034	45.97	46.00	0.87128	928773.66	1913.0151	98.9	2.18672	1.30	NO	
28 HxCB-169	359.841	1.034	46.00	46.00	1.09832				0.59786		NO	
29												
30 13C-HpCB-180	405.843	1.034	44.50	44.52	0.68403	718063.34	1881.8589	97.3	1.55303	1.06	NO	
31 HpCB-180	393.803	1.034	44.53	44.53	1.30035	642.85	0.5704		0.70287	3.78	YES	
32 13C-HpCB-170	405.843	1.034	46.51	46.53	0.54773	693440.53	2269.5453	117.4	1.93949	1.05	NO	
33 HpCB-170	393.803	1.034	46.54	46.53	1.61501	500.72	0.8645		0.59460	1.01	NO	
34 13C-HpCB-189	405.843	1.034	48.40	48.37	0.69767	1109181.75	2850.0389	147.4	1.52267	1.04	NO	
35 HpCB-189	393.803	1.034	48.42	48.43	1.23073	594.08	0.7296		0.43354	0.80	YES	

**Quantify Sample Summary Report**      **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\14AU0910D51668MSL.qld  
 Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 10:47:52 AM Pacific Daylight Time

**Name: 14AU0910D5\_11, Date: 15-Aug-2009, Time: 03:22:41, ID: LHKQH-1-AA, Description: G9H050321-9**

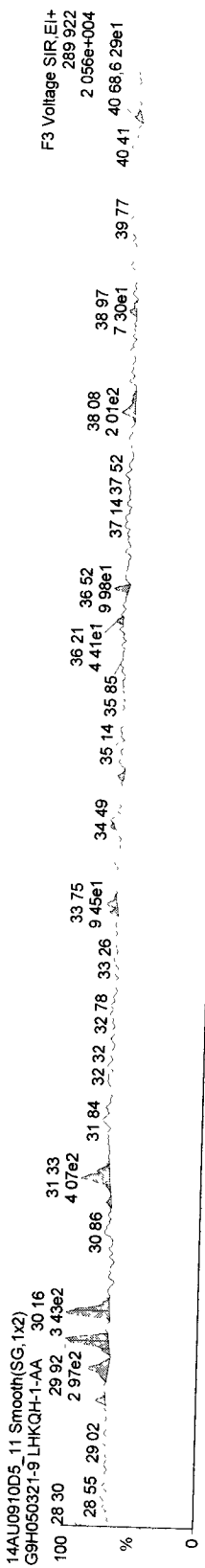
# Name	Trace	Sample Size	RT	Prd.RT RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio Ratio Fl...	Mod Date
36											
37 13C-PeCB-111	335.924	1.034		33.67	1.30475				1.72340		
38											
39 Function 3 PFK	380.976	1.000		0.00							
40 Function 4 PFK	380.976	1.000		0.00							

Dataset: C:\MassLynx\Default.pro\14AU0910D51668MSL.qld

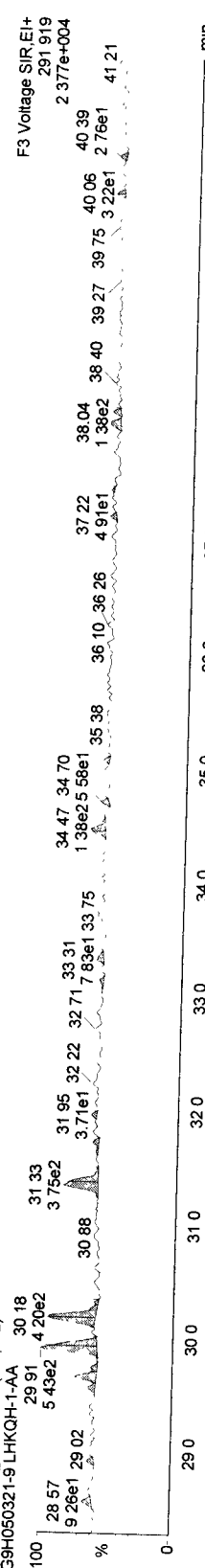
Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

Name: 14AU0910D5\_11, Date: 15-Aug-2009, Time: 03:22:41, ID: LHKQH-1-AA, Description: G9H050321-9

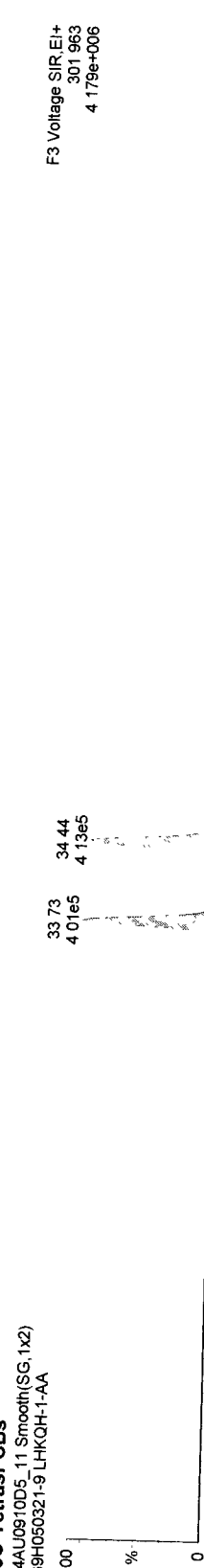
**TetraPCBs**



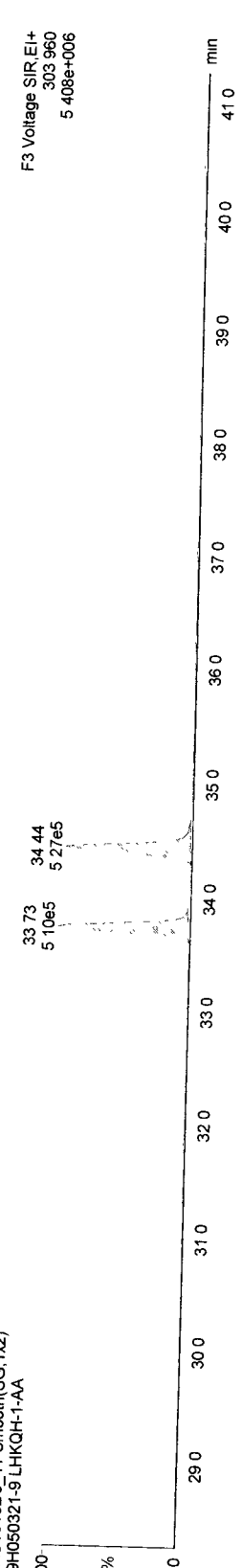
**13C-TetrasPCBs**



**13C-TetrasPCBs**



**13C-TetrasPCBs**



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\14AU0910D5\1668MSL.qld

Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

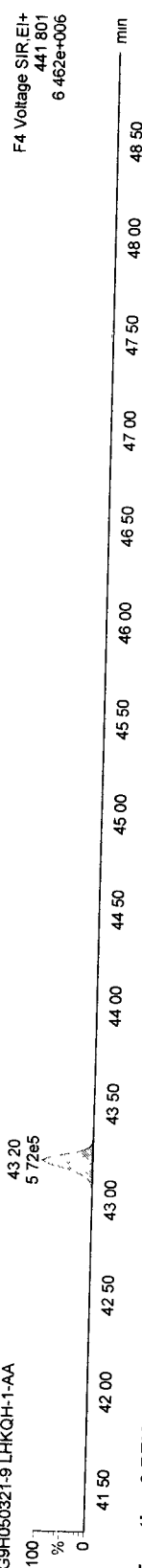
Name: 14AU0910D5\_11, Date: 15-Aug-2009, Time: 03:22:41, ID: LHKQH-1-AA, Description: G9H050321-9

13C-OcCB-202

14AU0910D5\_11 Smooth(SG,1x2)  
G9H050321-9 LHKQH-1-AA

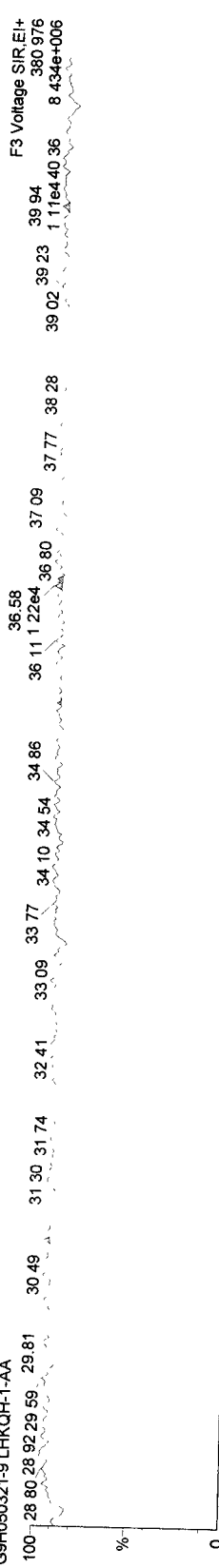


14AU0910D5\_11 Smooth(SG,1x2)  
G9H050321-9 LHKQH-1-AA



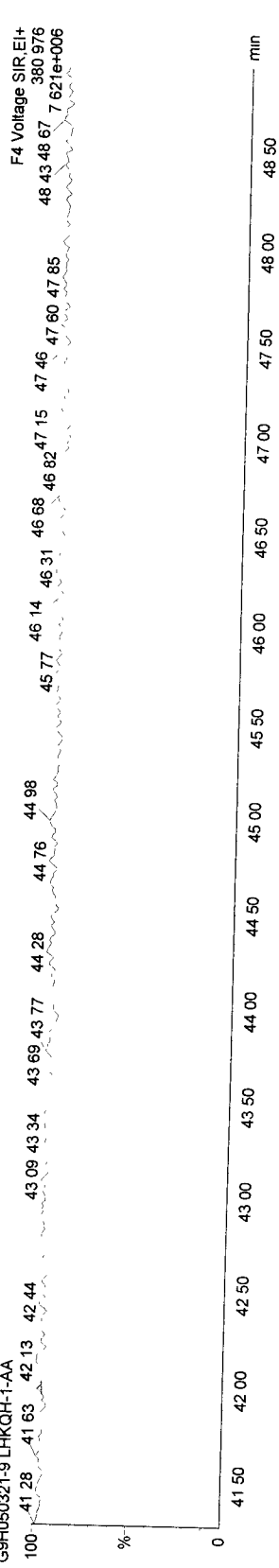
Function 3 PFK

14AU0910D5\_11 Smooth(SG,1x2)  
G9H050321-9 LHKQH-1-AA



Function 4 PFK

14AU0910D5\_11 Smooth(SG,1x2)  
G9H050321-9 LHKQH-1-AA



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668 (Short List)  
 Column ID DB-5  
 STD ID ST0814  
 Analyzed by AM  
 Std. Pkg. By AM  
 Std. Pkg. Reviewed By M.G

Associated ICAL ICAD716200910D51668M  
 Instrument ID 10D5  
 STD Solution 09DXN207  
 Date Analyzed 8-14-09  
 Date Std. Pkg. Assembled 8-17-09  
 Date Std. Pkg. Reviewed 8/18/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS:

- \* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.
- Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).
- \*\* Method 1668A (PCBs). resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).
- Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).



Dataset C:\MassLynx\Default.pro\14AU0910D51668MSL.qld

Last Altered Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time

Printed Monday, August 17, 2009 10:46:21 AM Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 11 Aug 2009 12:08:11

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207

#	Name	Response	RT	RRF M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D...
1	13C-PeCB-101	751654	31.84	1.00000	1.00000	100.00	0.0	100.0	0.640	NO	
2											
3	13C-TeCB-81	779263	33.77	1.03984	1.03673	99.70	-0.3	99.7	0.786	NO	
4	TeCB-81	612239	33.78	1.45839	1.57133	53.87	7.7	107.7	0.765	NO	
5	13C-TeCB-77	760484	34.45	1.10430	1.01175	91.62	-8.4	91.6	0.803	NO	
6	TeCB-77	530566	34.49	1.27061	1.39534	54.91	9.8	109.8	0.751	NO	
7											
8	13C-PeCB-123	735527	36.11	0.99324	0.97855	98.52	-1.5	98.5	0.616	NO	
9	PeCB-123	571015	36.13	1.50539	1.55267	51.57	3.1	103.1	0.616	NO	
10	13C-PeCB-118	763820	36.28	1.02407	1.01619	99.23	-0.8	99.2	0.638	NO	
11	PeCB-118/106	617617	36.30	1.52536	1.61718	53.01	6.0	106.0	0.620	NO	
12	13C-PeCB-114	774789	37.07	1.03691	1.03078	99.41	-0.6	99.4	0.625	NO	
13	PeCB-114	656946	37.09	1.58603	1.69580	53.46	6.9	106.9	0.614	NO	
14	13C-PeCB-105	725799	38.14	0.98151	0.96560	98.38	-1.6	98.4	0.624	NO	
15	PeCB-105/127	539492	38.16	1.43326	1.48661	51.86	3.7	103.7	0.623	NO	
16	13C-PeCB-126	728127	40.46	1.02999	0.96870	94.05	-6.0	94.0	0.622	NO	
17	PeCB-126	418081	40.47	1.15582	1.14837	49.68	-0.6	99.4	0.605	NO	
18											
19	13C-OcCB-202	909805	43.23	1.00000	1.00000	100.00	0.0	100.0	0.895	NO	
20											
21	13C-HxCB-167	923037	41.81	1.00247	1.01454	101.20	1.2	101.2	1.299	NO	
22	HxCB-167	696066	41.84	1.34796	1.50821	55.94	11.9	111.9	1.279	NO	
23	13C-HxCB-156	727059	43.39	0.78510	0.79914	101.79	1.8	101.8	1.232	NO	
24	HxCB-156	641227	43.40	1.68840	1.76389	52.24	4.5	104.5	1.266	NO	
25	13C-HxCB-157	769213	43.77	0.83526	0.84547	101.22	1.2	101.2	1.316	NO	
26	HxCB-157	669702	43.79	1.65965	1.74127	52.46	4.9	104.9	1.221	NO	
27	13C-HxCB-169	797281	46.00	0.87128	0.87632	100.58	0.6	100.6	1.300	NO	
28	HxCB-169	454649	46.02	1.09832	1.14050	51.92	3.8	103.8	1.243	NO	
29											
30	13C-HpCB-180	678045	44.53	0.68403	0.74526	108.95	9.0	109.0	1.034	NO	
31	HpCB-180	450901	44.56	1.30035	1.33000	51.14	2.3	102.3	1.022	NO	
32	13C-HpCB-170	551894	46.54	0.54773	0.60661	110.75	10.7	110.7	1.061	NO	
33	HpCB-170	455339	46.56	1.61501	1.65009	51.09	2.2	102.2	1.051	NO	
34	13C-HpCB-189	700320	48.43	0.69767	0.76975	110.33	10.3	110.3	1.035	NO	
35	HpCB-189	443748	48.45	1.23073	1.26727	51.48	3.0	103.0	1.037	NO	
36											
37	13C-PeCB-111	1016437	33.60	1.30475	1.36322	104.48	4.5	104.5	0.628	NO	
38											
39	Function 3 PFK										
40	Function 4 PFK										

Sample List: C:\MassLynx\Default.pro\Sampiedb\14AU0910D5 SPL

Last Modified: Friday, August 14, 2009 21:22:41 Pacific Daylight Time

Printed: Friday, August 14, 2009 21:22:47 Pacific Daylight Time

Page Position (1, 1)

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1	14AU0910D5_1	CS-3 09DXN207	ST0814	---	---	1.000000	---	1.00
2	14AU0910D5_2	209PCB 09DXN229	ST0814A	---	---	1.000000	---	1.00
3	14AU0910D5_3	Solvent Blank C-12	SB0814	---	---	1.000000	---	1.00
4	14AU0910D5_4	F9G280117-1MBRX	LHWVW-1-ACC	1668/Water	12	1.000000	L	20
5	14AU0910D5_5	F9G280117-1LCSRX	LG9VV-1-C3	1668/Water	---	1.000000	L	20
6	14AU0910D5_6	F9G280117-1RX	LG9VV-2-C3	1668/Water	---	0.057400	L	20
7	14AU0910D5_7	Solvent Blank C-12	SB0814A	---	---	1.000000	---	1.00
8	14AU0910D5_8	G9H050199-1MB	LHW66-1-AAB	1668/Air	12	0.333300	Samp	10
9	14AU0910D5_9	G9H050199-1LCS	LHW66-1-ACC	1668/Air	---	0.333300	Samp	10
10	14AU0910D5_10	G9H050199-1	LHJW9-1-AD	1668/Air	---	0.333300	Samp	10
11	14AU0910D5_11	G9H050321-9	LHKQH-1-AA	1668/Water	---	1.034400	L	20
12	14AU0910D5_12	G9H060351-1	LHQAP-1-AC	1668/Water	---	1.054200	L	20
13	14AU0910D5_13	G9H040246-1 (5x)	LHHJK-1-AC	1668/Air	9	0.500000	Samp	20
14	14AU0910D5_14	G9H040246-2 (5x)	LHHJN-1-AC	1668/Air	---	0.500000	Samp	20
15	14AU0910D5_15	Solvent Blank C-12	SB0814B	---	---	1.000000	---	1.00
16	14AU0910D5_16	CS-3 09DXN207	ST0814B	---	---	1.000000	---	1.00
17	14AU0910D5_17	Solvent Blank C-12	SB0814C	---	---	1.000000	---	1.00
18	14AU0910D5_18	G9H080213-4MB	LHW7T-1-AAB	1668/Air	12	0.500000	Samp	40
19	14AU0910D5_19	G9H080213-4LCS	LHW7T-1-ACC	1668/Air	---	0.500000	Samp	40
20	14AU0910D5_20	G9H080213-4DCS	LHW7T-1-ADL	1668/Air	---	0.500000	Samp	40
21	14AU0910D5_21	G9H080213-4	LHVV0-1-AC	1668/Air	---	0.500000	Samp	40
22	14AU0910D5_22	G9H080213-5	LHVV1-1-AC	1668/Air	---	0.500000	Samp	40
23	14AU0910D5_23	G9H080213-6	LHVV2-1-AC	1668/Air	---	0.500000	Samp	40

Log file checked

8-17-09

SMA

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\14AU0910D5 SPL  
 Last Modified: Friday, August 14, 2009 21:22:41 Pacific Daylight Time  
 Printed: Friday, August 14, 2009 21:22:47 Pacific Daylight Time

Page 2 of 3

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1 1	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	50	100	100	100
Tray1.2	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	---	---
Tray1 3	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	---	---
Tray1 4	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1.5	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1.6	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1 7	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	---	---
Tray1 8	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	1333	1000
Tray1 9	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	1333	1000
Tray1:10	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	1333	1000
Tray1:11	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1.13	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1 14	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1.15	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:16	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:17	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:18	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1.19	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1.21	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000

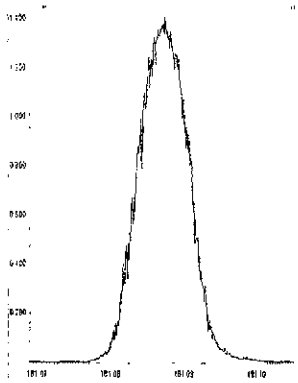
Sample List C:\MassLynx\Default pro\Sampledb\14AU0910D5.SPL  
Last Modified Friday, August 14, 2009 21:22:41 Pacific Daylight Time  
Printed: Friday, August 14, 2009 21:22:47 Pacific Daylight Time

Conc E	Conc F	Conc G	Conc H	Task
100	---	---	---	---
---	---	---	---	---
---	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
---	---	---	---	---
1333	---	---	---	---
1333	---	---	---	---
1333	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
---	---	---	---	---
100	---	---	---	---
---	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---

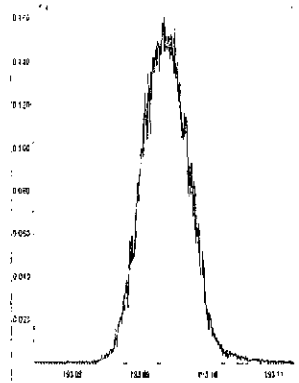
File: Experiment.1668M10D5 exp Reference.pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, August 14, 2009 17:43:42 Pacific Daylight Time

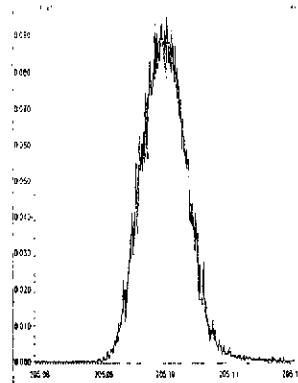
M 180.9888 R 12252



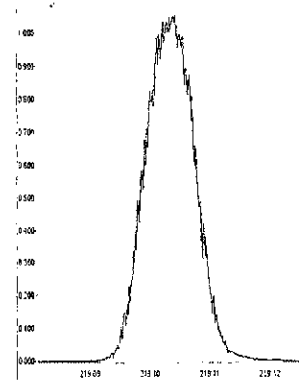
M 192.9888 R 12319



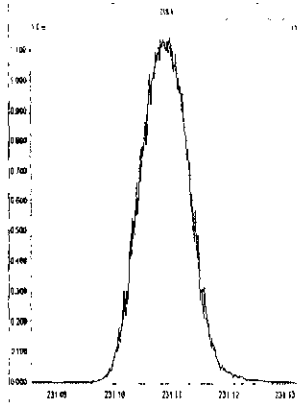
M 204.9888 R 12434



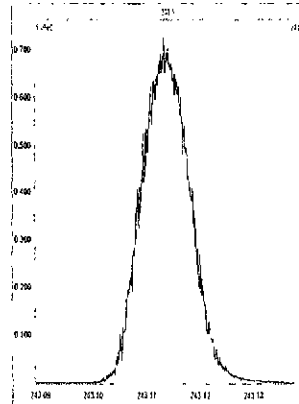
M 218.9856 R 12499



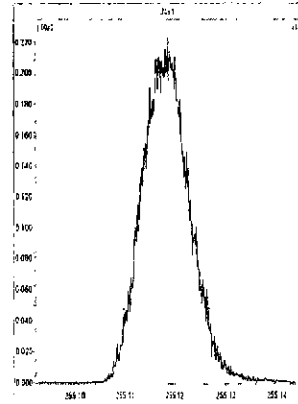
M 230.9856 R 12195



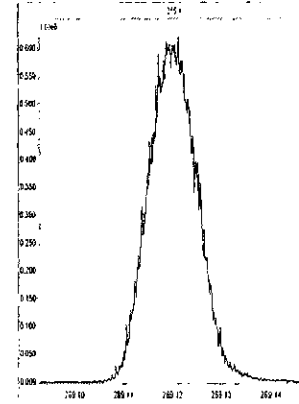
M 242.9856 R 12134



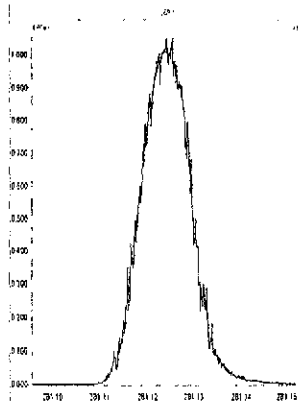
M 254.9856 R 12076



M 268.9824 R 12497



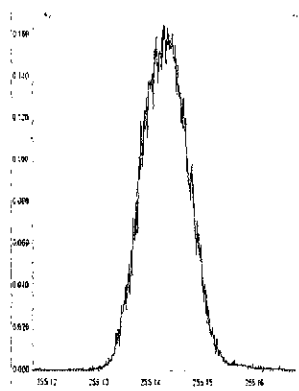
M 280.9824 R 12197



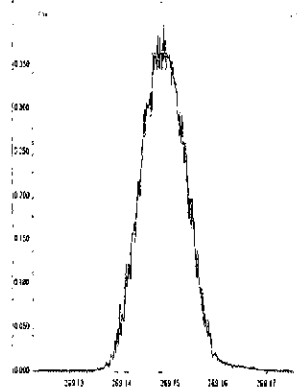
File: Experiment 1668M10D5 exp Reference.pfk ref Function 2 @ 200 (ppm)

Printed Friday, August 14, 2009 17:45:10 Pacific Daylight Time

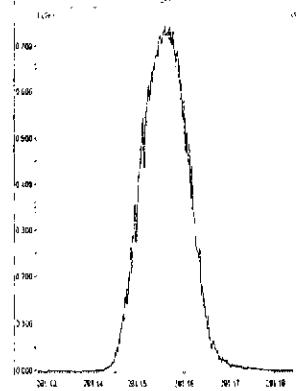
M 254.9856 R 12752



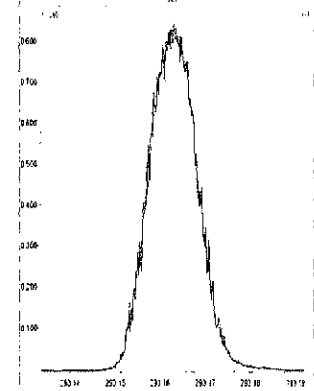
M 268.9824 R 13226



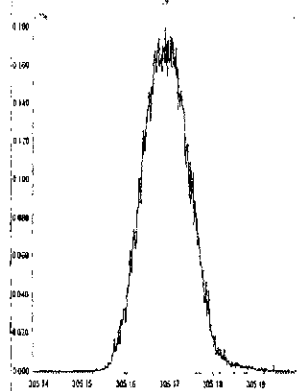
M 280.9824 R 12435



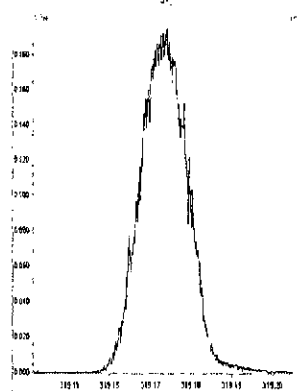
M 292.9824 R 12621



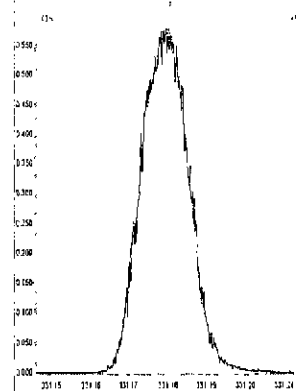
M 304.9824 R 12562



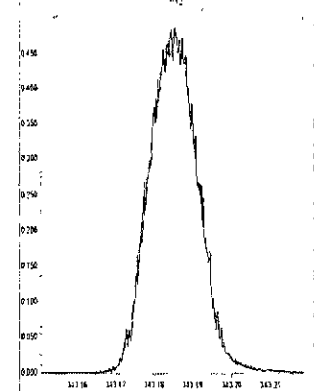
M 318.9792 R 12759



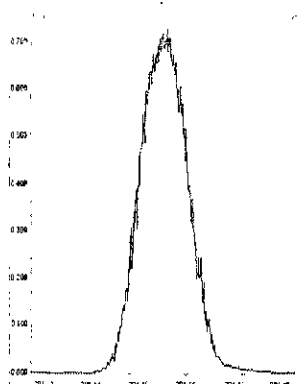
M 330.9792 R 12496



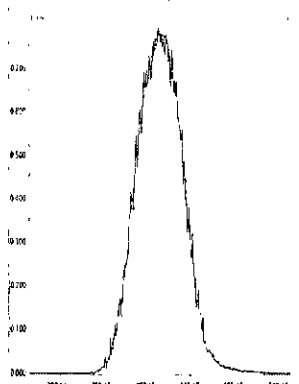
M 342.9792 R 12195



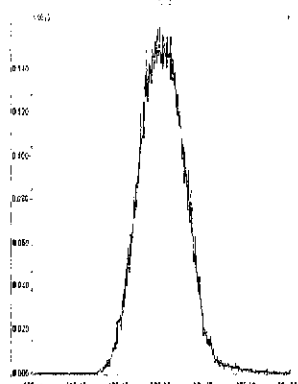
M 280.9824 R 13302



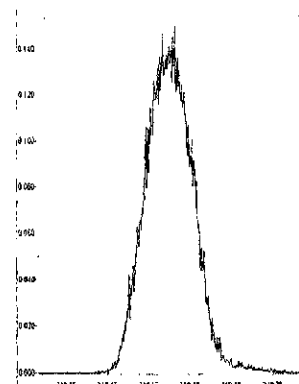
M 292.9824 R 12692



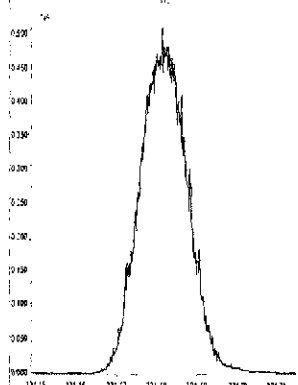
M 304.9824 R 12562



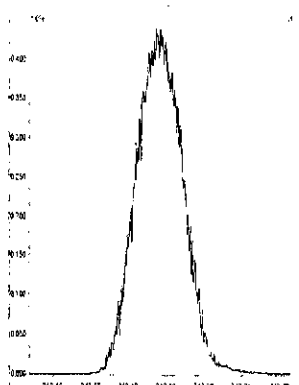
M 318.9792 R 12885



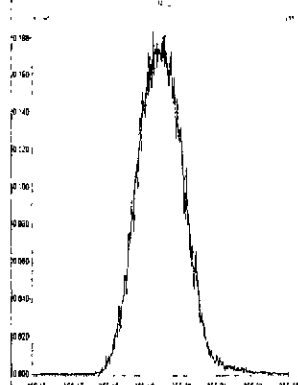
M 330.9792 R 12889



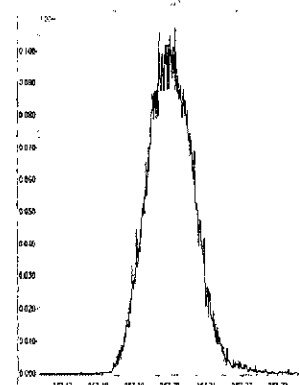
M 342.9792 R 12315



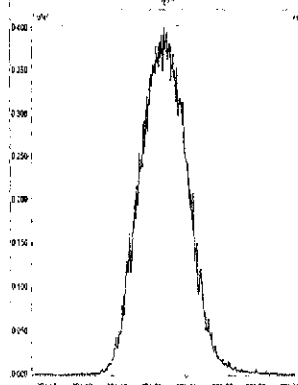
M 354.9792 R 12498



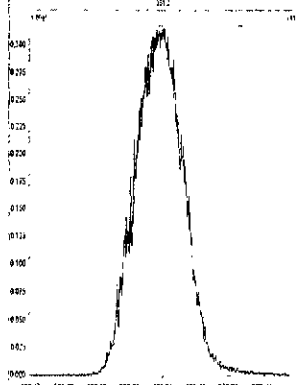
M 366.9792 R 12823



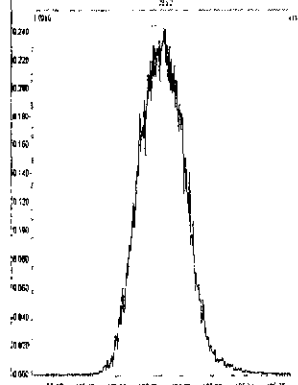
M 380.9760 R 12887



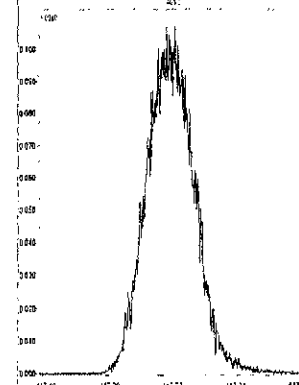
M 392.9760 R 12135



M 404.9760 R 12561



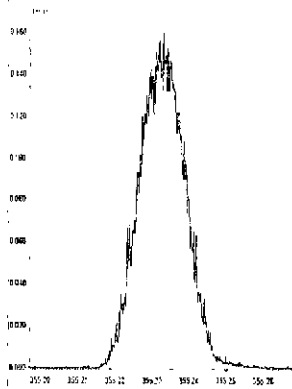
M 416.9760 R 12501



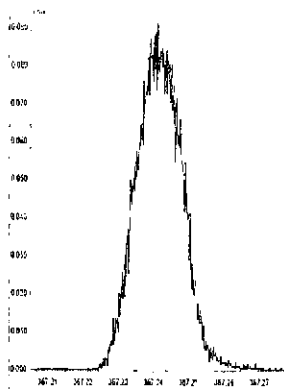
File. Experiment 1668M10D5.exp Reference pk ref Function. 4 @ 200 (ppm)

Printed Friday, August 14, 2009 17:48:49 Pacific Daylight Time

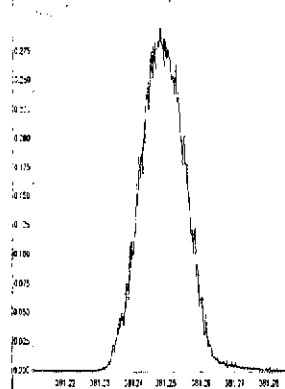
M 354.9792 R 12886



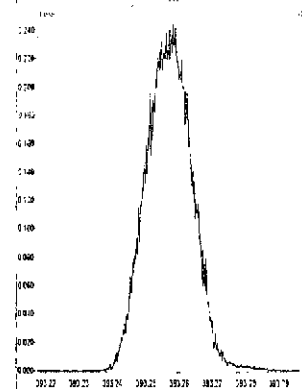
M 366.9792 R 12885



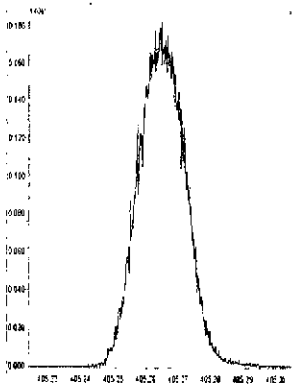
M 380.9760 R 12889



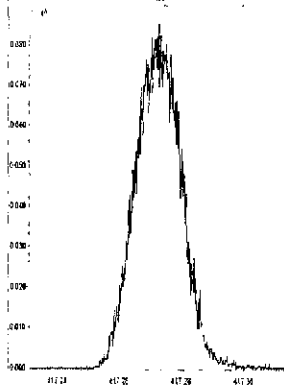
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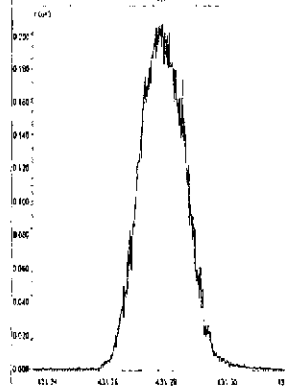
M 404.9760 R 12437



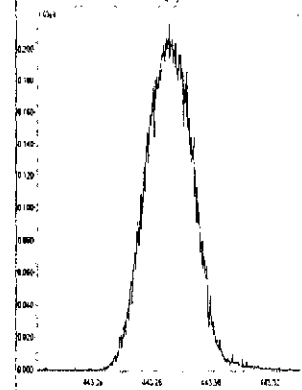
M 416.9760 R 13087



M 430.9728 R 12888



M 442.9728 R 12500

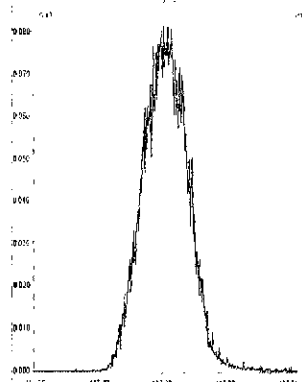




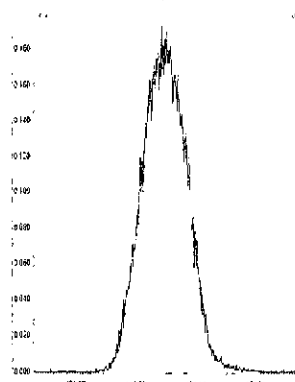
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Printed: Friday, August 14, 2009 17:50:28 Pacific Daylight Time

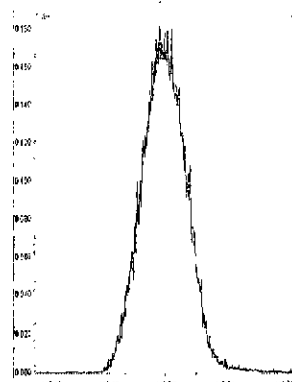
M 416.9760 R 13231



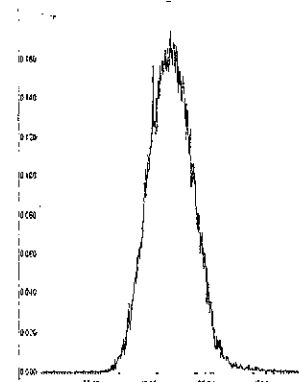
M 430.9728 R 13160



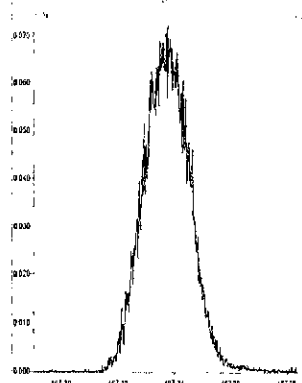
M 442.9728 R 13159



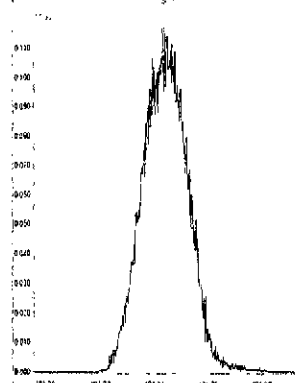
M 454.9728 R 13298



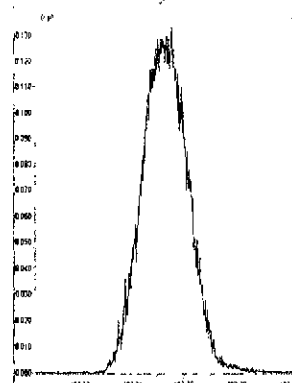
M 466.9728 R 13023



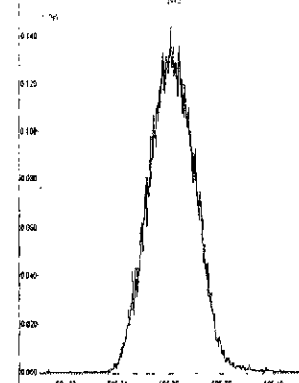
M 480.9696 R 12955



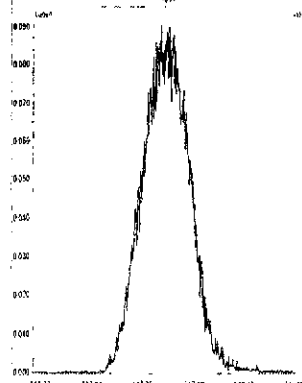
M 492.9696 R 12821



M 504.9696 R 12820



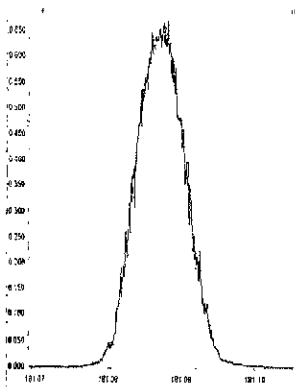
M 516.9697 R 12628



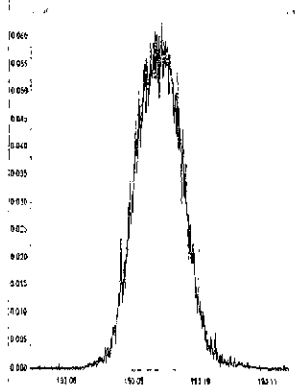
File: Experiment 1668M10D5.exp Reference pk ref Function: 1 @ 200 (ppm)

Printed Monday, August 17, 2009 08:22:16 Pacific Daylight Time

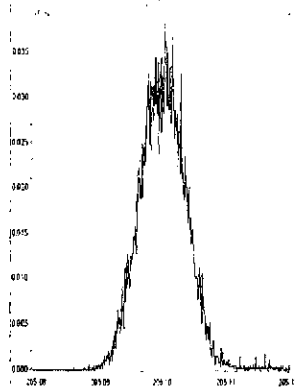
M 180.9888 R 12133



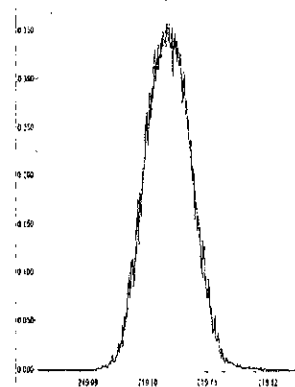
M 192.9888 R 12437



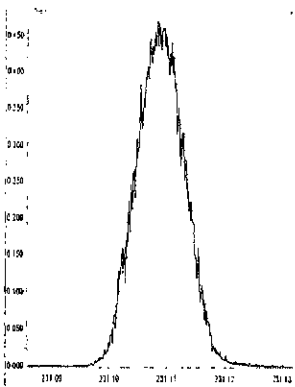
M 204.9888 R 12691



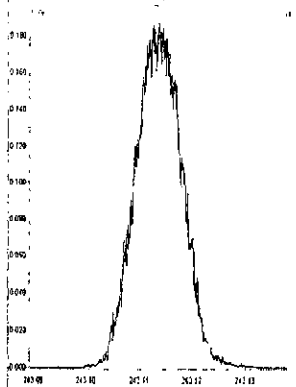
M 218.9856 R 12689



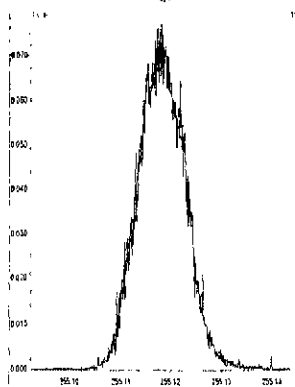
M 230.9856 R 12887



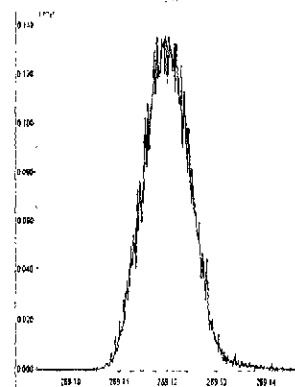
M 242.9856 R 12628



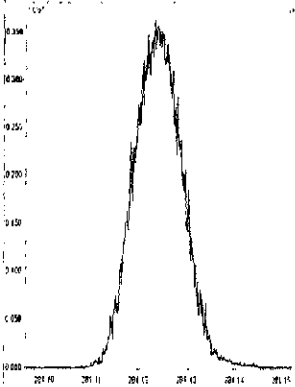
M 254.9856 R 12820



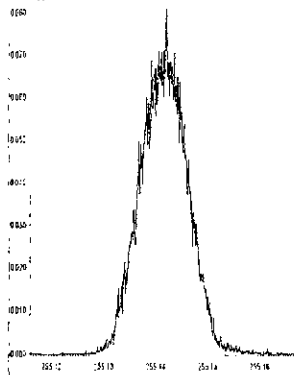
M 268.9824 R 12497



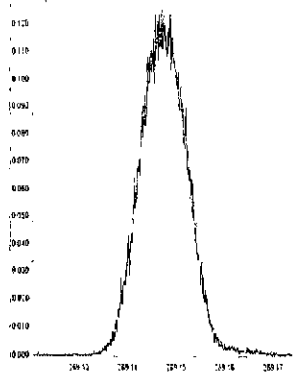
M 280.9824 R 12692



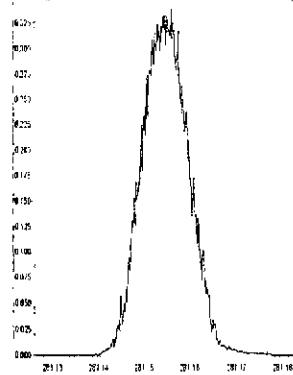
M 254.9856 R 13039



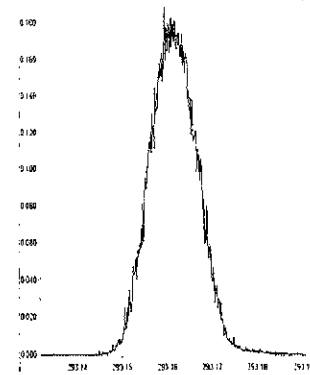
M 268.9824 R 13157



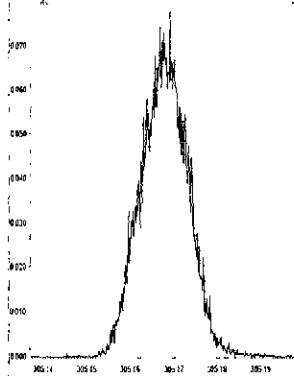
M 280.9824 R 12497



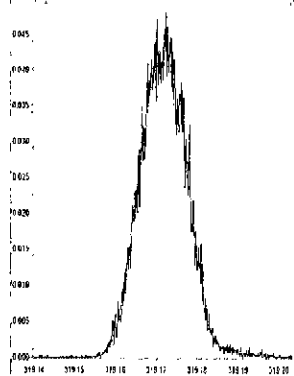
M 292.9824 R 12501



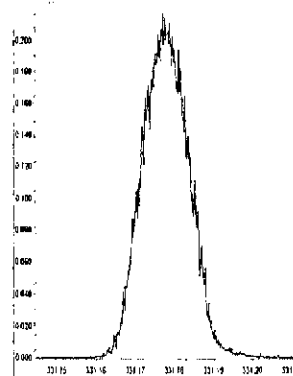
M 304.9824 R 13157



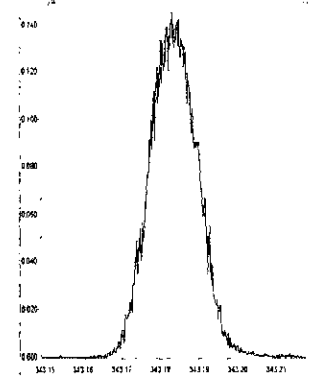
M 318.9792 R 13232



M 330.9792 R 12822



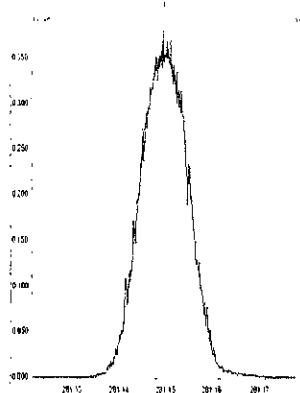
M 342.9792 R 12953



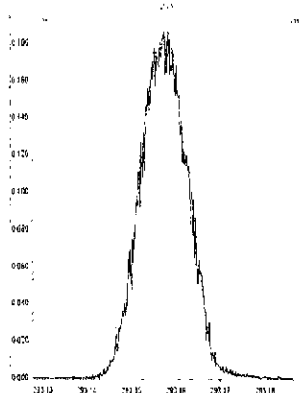
File: Experiment 1668M10D5 exp Reference: pfk ref Function 3 @ 200 (ppm)

Printed Monday, August 17, 2009 08:27:44 Pacific Daylight Time

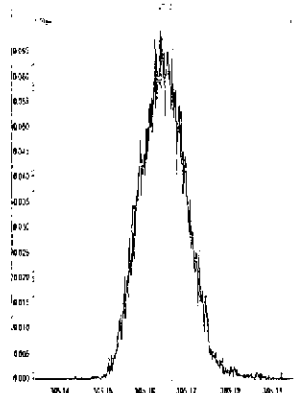
M 280.9824 R 12751



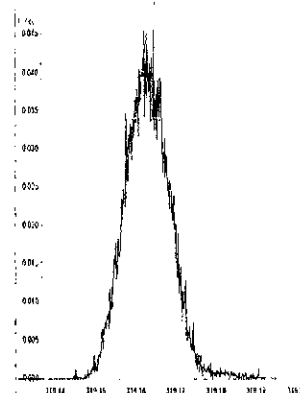
M 292.9824 R 12557



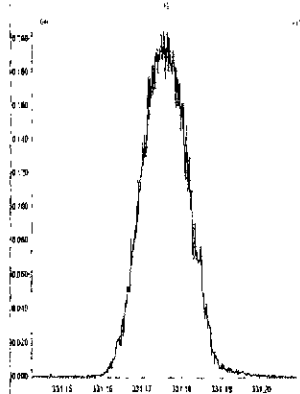
M 304.9824 R 12499



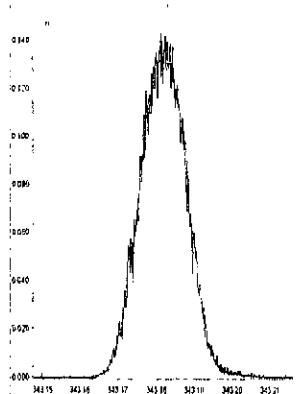
M 318.9792 R 13093



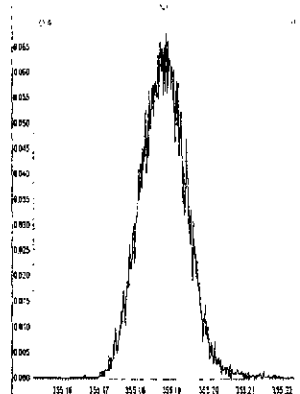
M 330.9792 R 13023



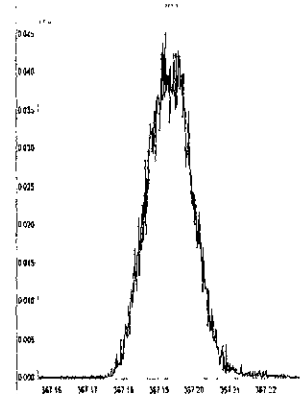
M 342.9792 R 12626



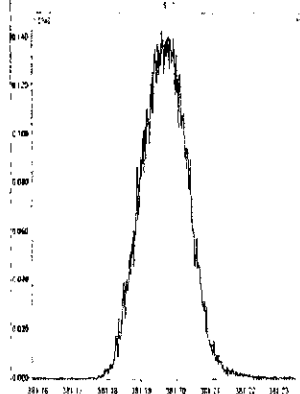
M 354.9792 R 12193



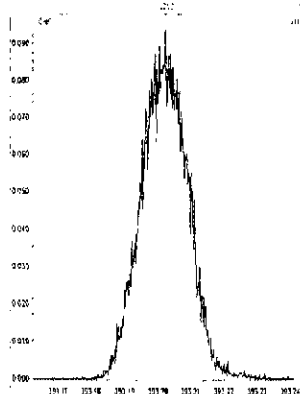
M 366.9792 R 13365



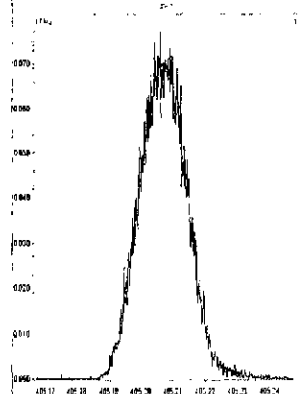
M 380.9760 R 12496



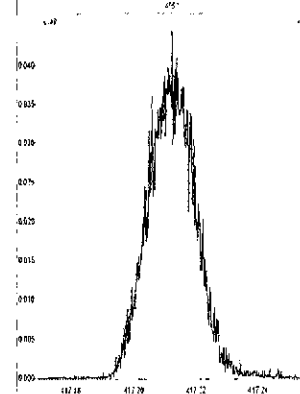
M 392.9760 R 13157



M 404.9760 R 13155



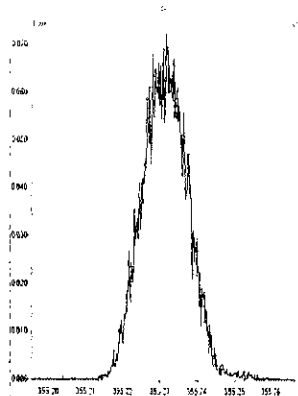
M 416.9760 R 12821



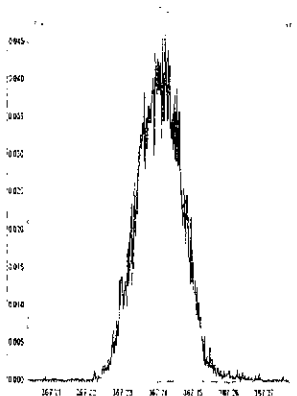
File Experiment 1668M10D5.exp Reference pfk ref Function 4 @ 200 (ppm)

Printed: Monday, August 17, 2009 08 29 13 Pacific Daylight Time

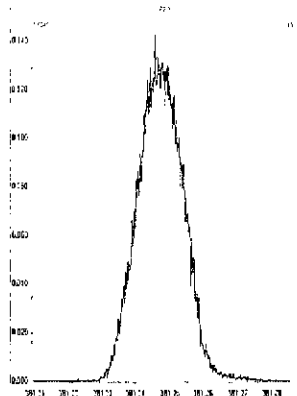
M 354.9792 R 13587



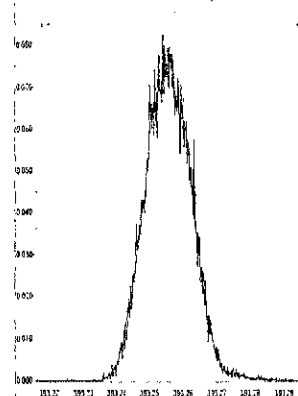
M 366.9792 R 13591



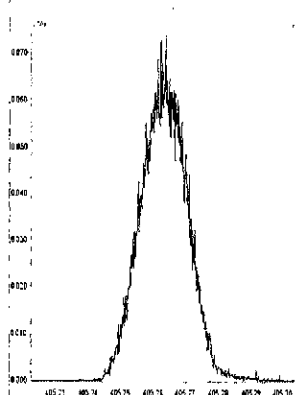
M 380.9760 R 12884



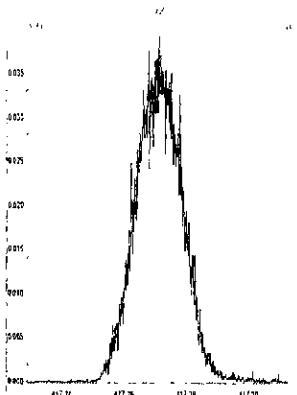
M 392.9760 R 12691



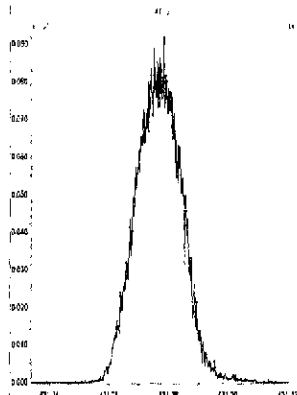
M 404.9760 R 12759



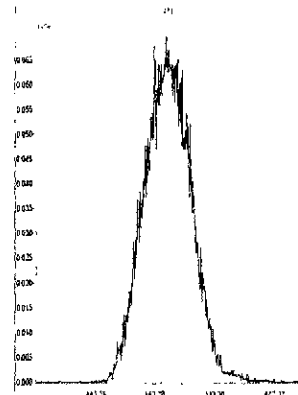
M 416.9760 R 12823



M 430.9728 R 12883



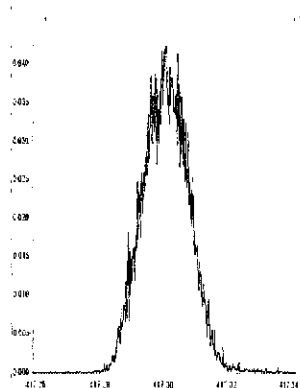
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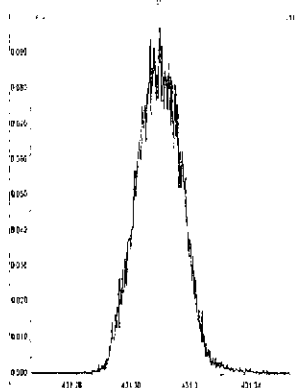
File: Experiment.1668M10D5.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed Monday, August 17, 2009 08:29:57 Pacific Daylight Time

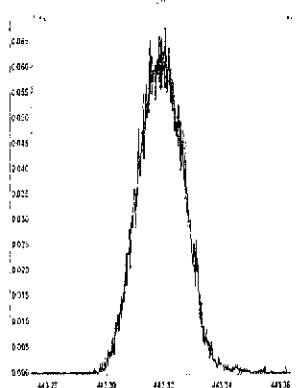
M 416.9760 R 13231



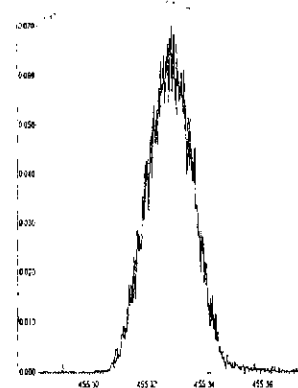
M 430.9728 R 12757



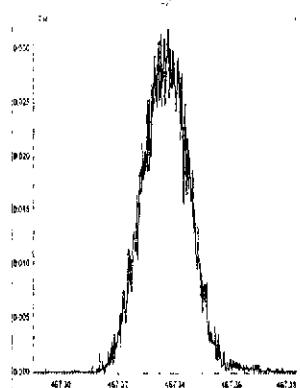
M 442.9728 R 12564



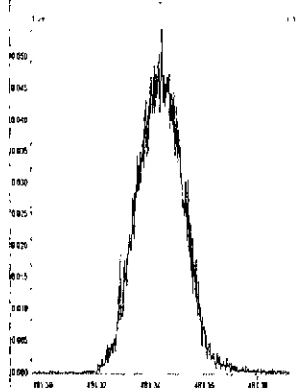
M 454.9728 R 12820



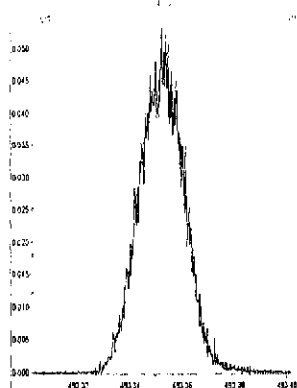
M 466.9728 R 12689



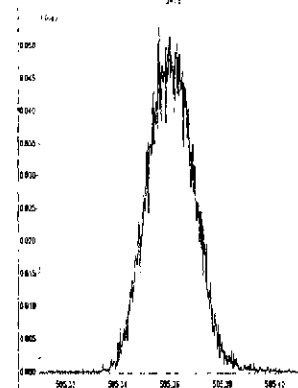
M 480.9696 R 12134



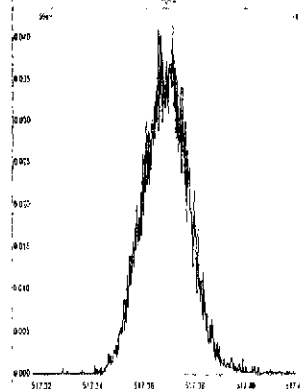
M 492.9696 R 12887



M 504.9696 R 13227



M 516.9697 R 12249

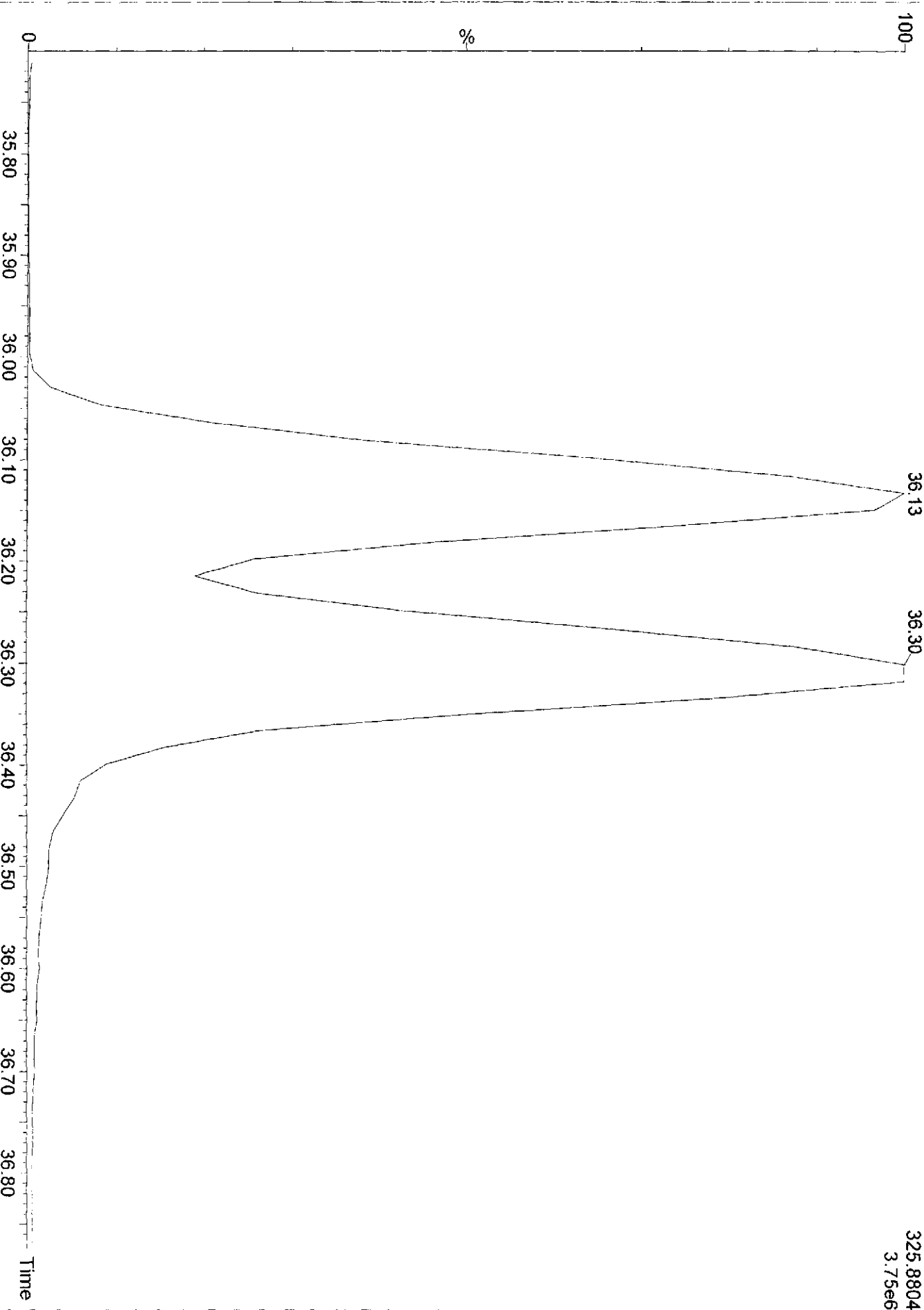


CS-3 09DXN207

14AU0910DD5\_1 Sb (0,1.00)

3: Voltage SIR 17 Channels EI+

325.8804  
3.75e6



Dataset: C:\MassLynx\Default.pro\14AU0910D51668MSL.qld

Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time

Printed: Monday, August 17, 2009 10:47:18 AM Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 11 Aug 2009 12:08:11

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C-PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

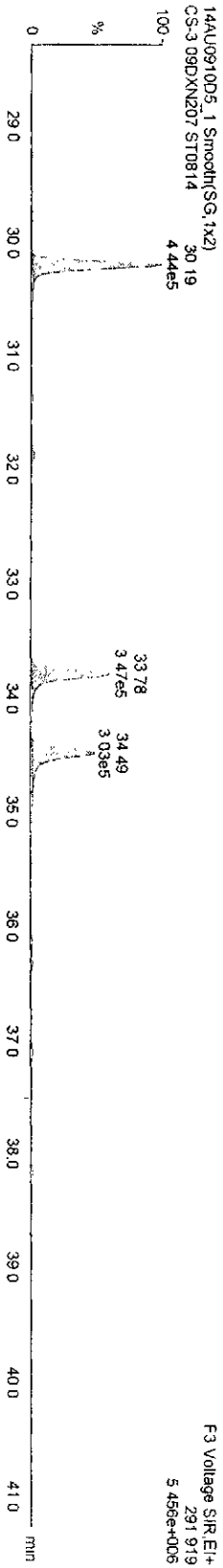
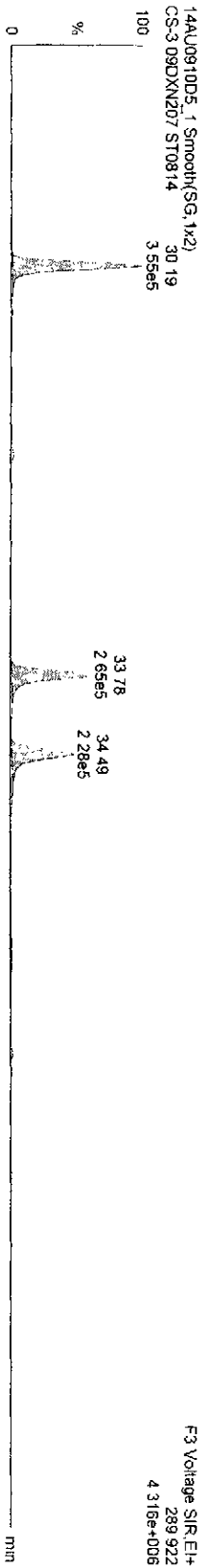


Dataset: C:\MassLynx\Default.pro\14AU0910D51668MSL.qld

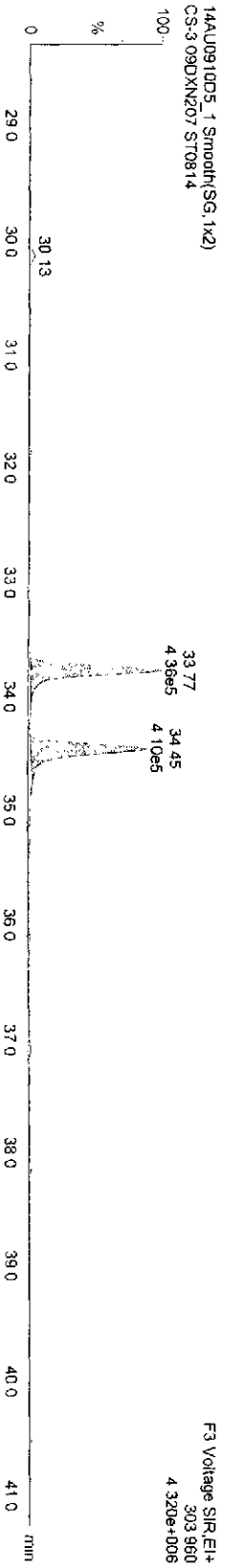
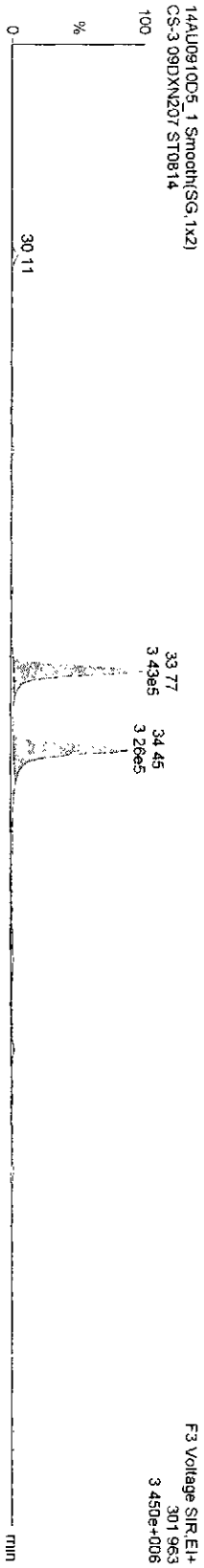
Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3-09DXN207

**TetraPCBs**



**13C-TetrasPCBs**

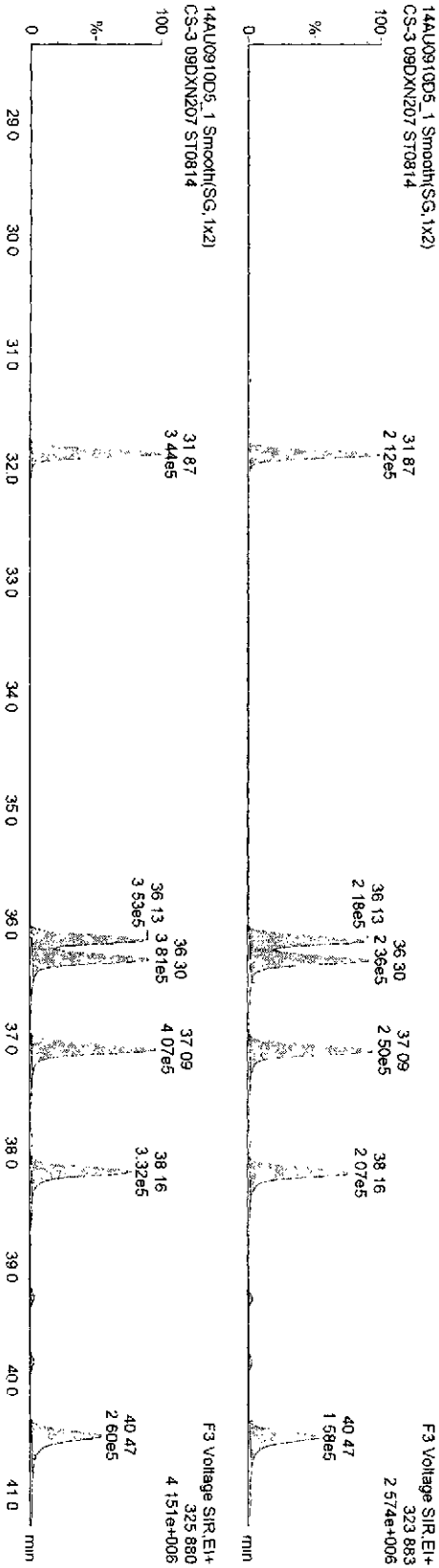


Dataset: C:\MassLynx\Default\proj\14AU0910D5\1668MSL.qld

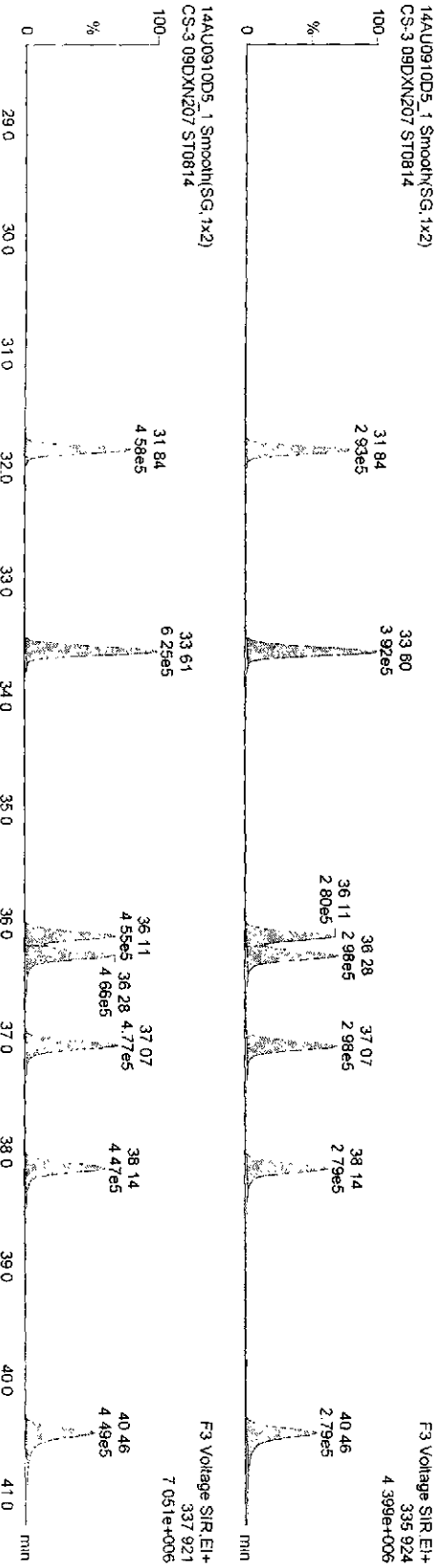
Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXNZ07

**PePCBs**



**13C-PePCBs**

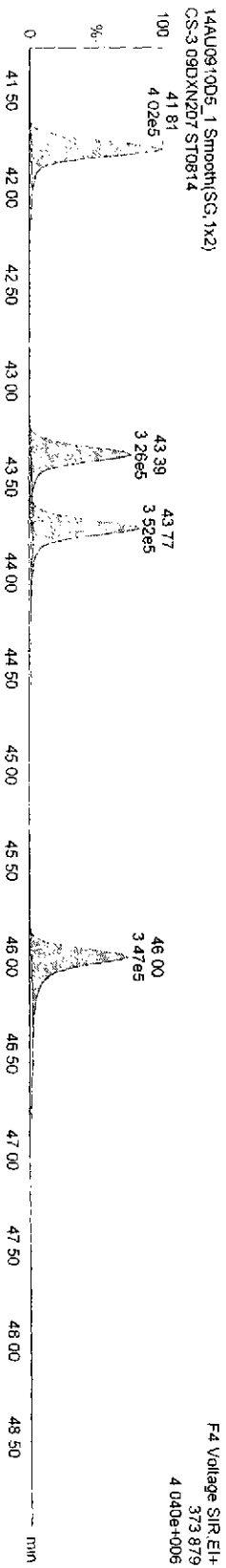
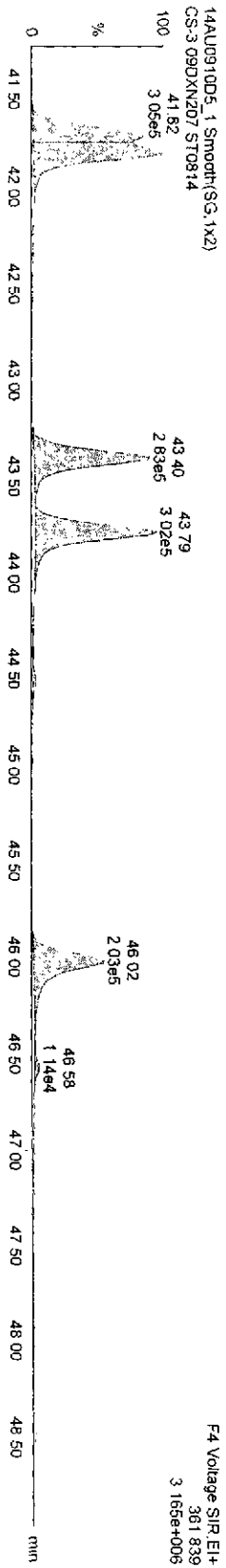


Dataset: C:\MassLynx\Default\proj\14AU0910D51668MSL.qld

Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3-09DXN207

HPCBs-

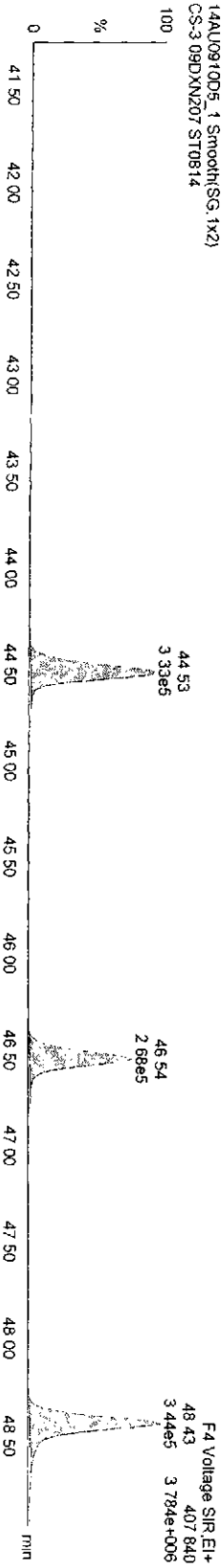
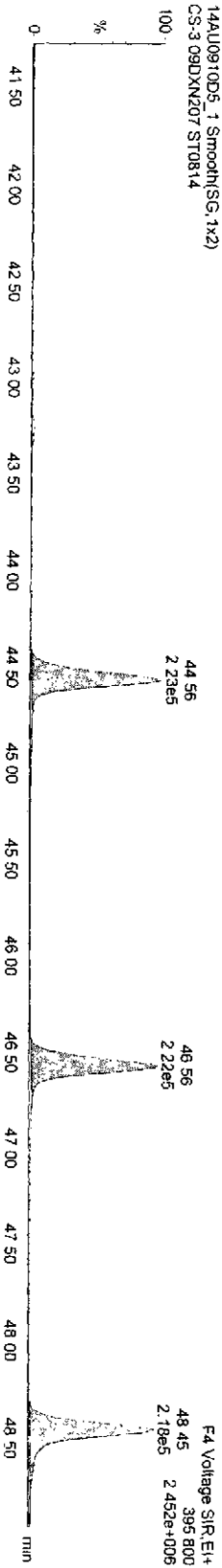
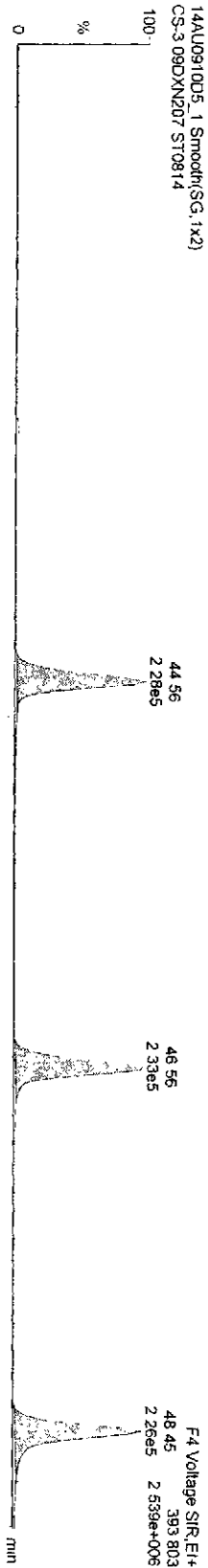


Dataset: C:\MassLynx\Default pro\14AU0910D51668MSL.qld

Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3-09DXN207

**HpPCBs**



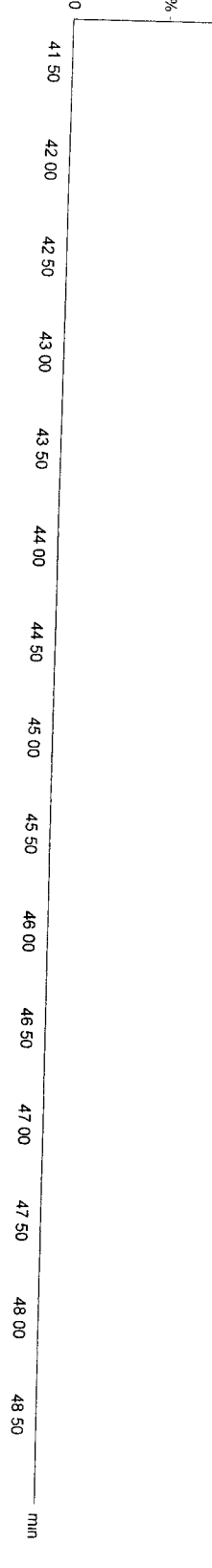
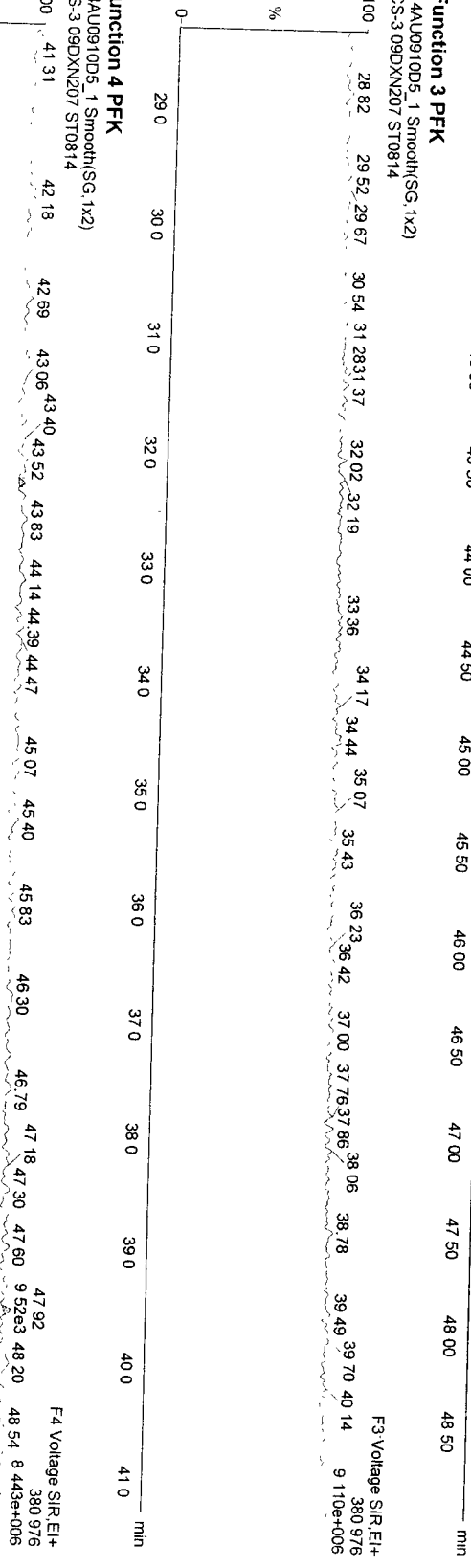
Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\pro1\14AU0910D5\1668MSL.qld

Page 6 of 36

Last Altered Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
 Printed Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207



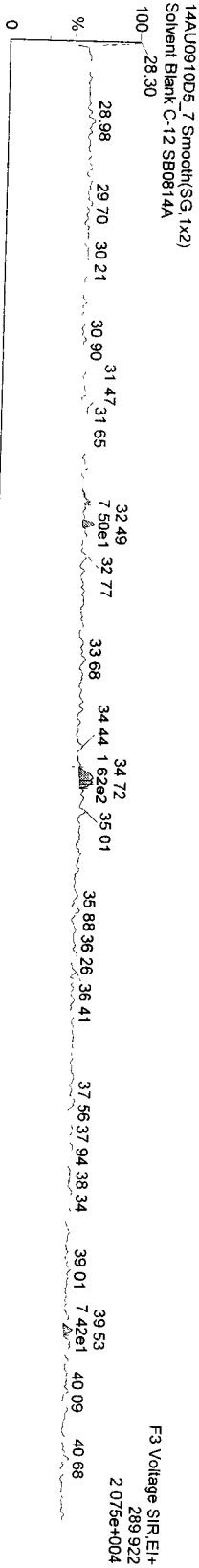
Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\pro1\14AU0910D5\1668MSL.qld

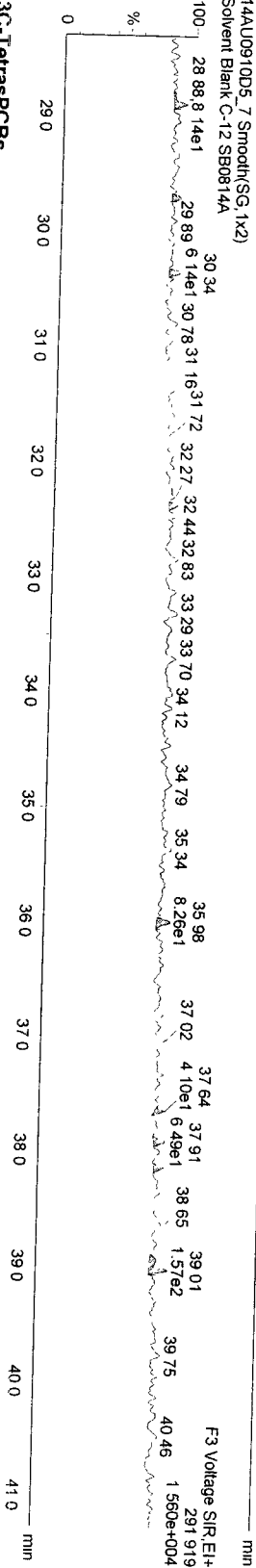
Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

Name: 14AU0910D5\_7, Date: 14-Aug-2009, Time: 23:35:20, ID: SB0814A, Description: Solvent Blank C-12

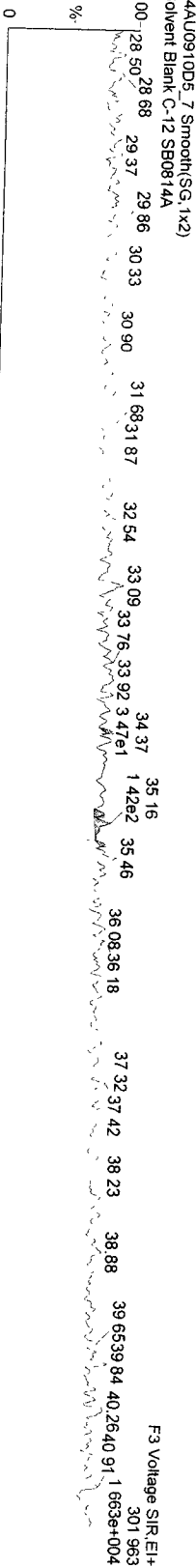
TetraPCBs



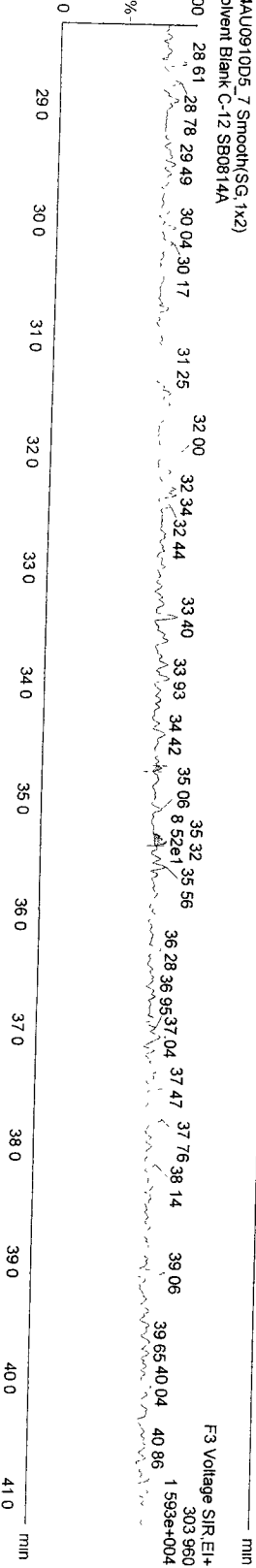
13C-TetrappCBs



13C-TetrappCBs



14AU0910D5\_7 Smooth(SG, 1x2)

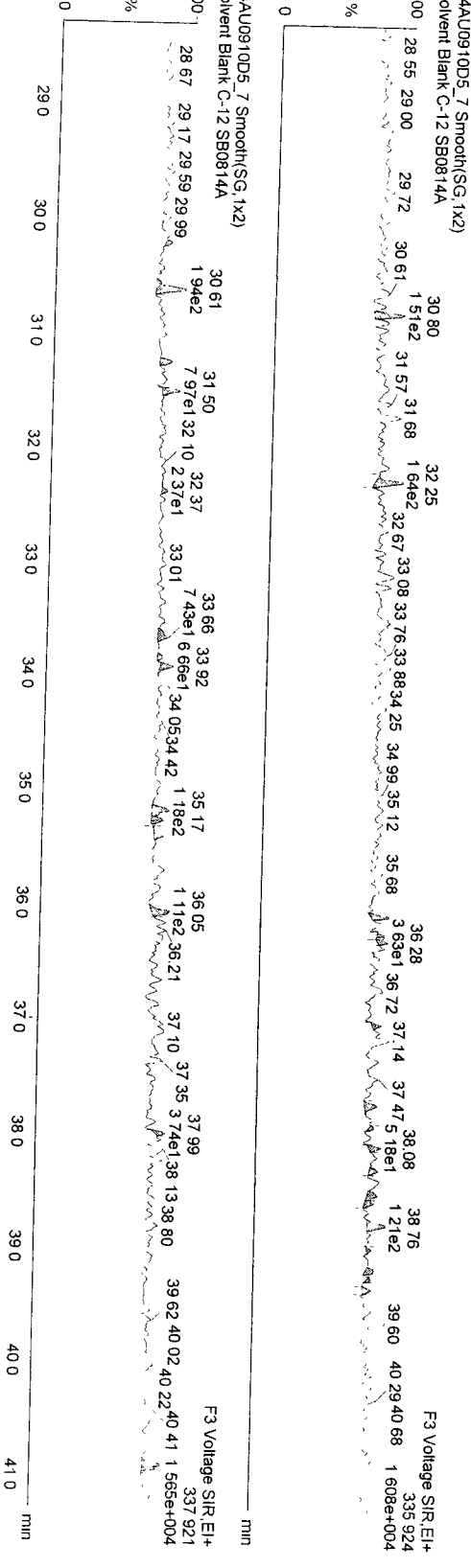
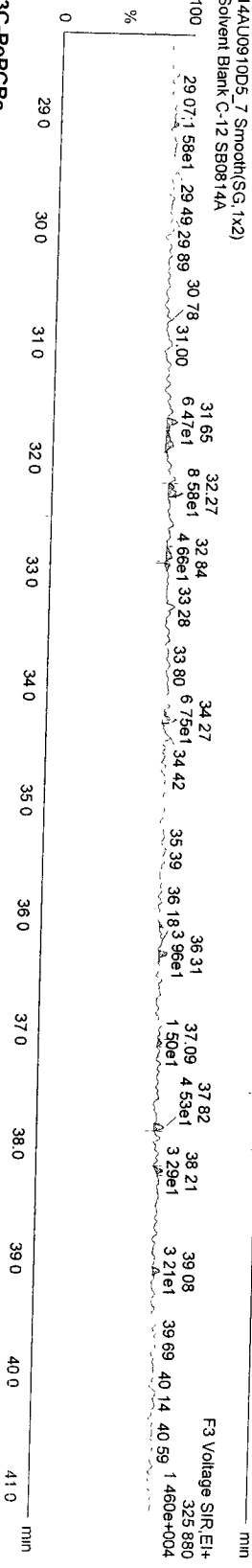
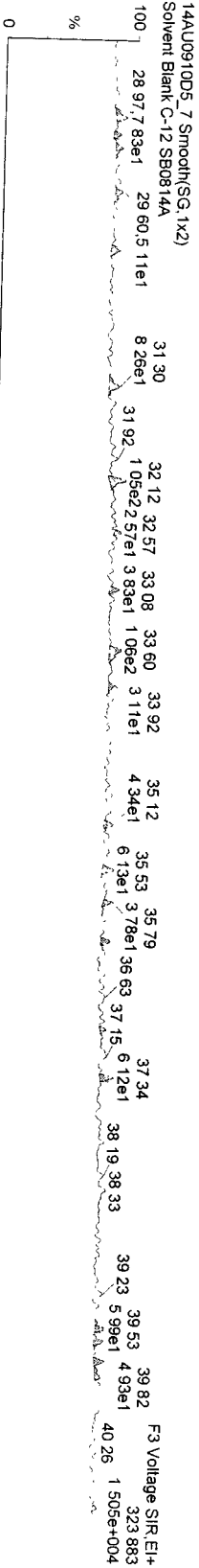


Dataset C:\MassLynxDefault\pro1\14AU0910D51668MSL.qld

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Printed: Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

Name: 14AU0910D5\_7, Date: 14-Aug-2009, Time: 23:35:20, ID: SB0814A, Description: Solvent Blank C-12

PePCBs



Quantify Sample Report Masslynx 4.1

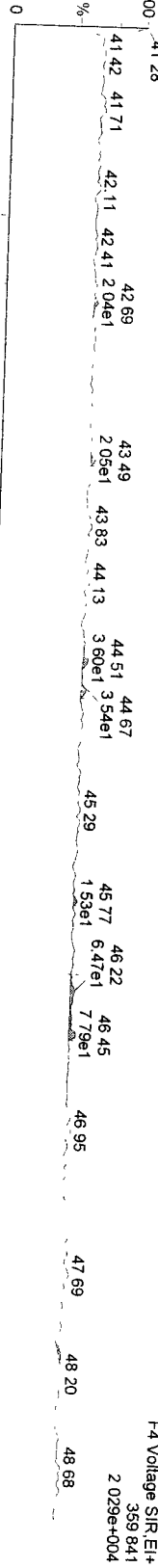
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Last Altered Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
Printed Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

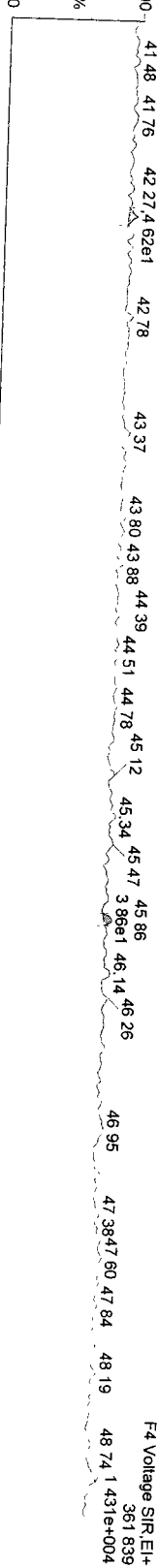
Name: 14AU0910D5\_7, Date: 14-Aug-2009, Time: 23:35:20, ID: SB0814A, Description: Solvent Blank C-12

HXPCBS-

14AU0910D5\_7 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0814A

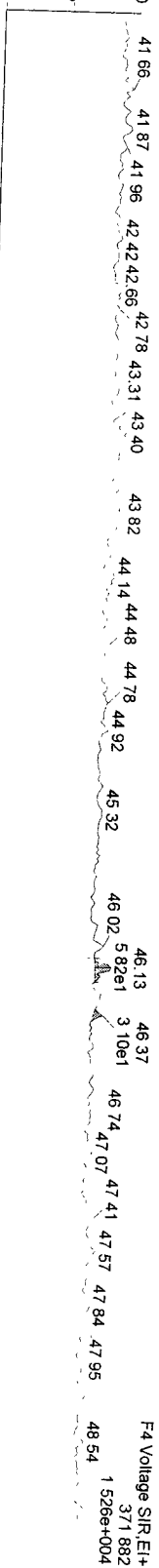


14AU0910D5\_7 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0814A

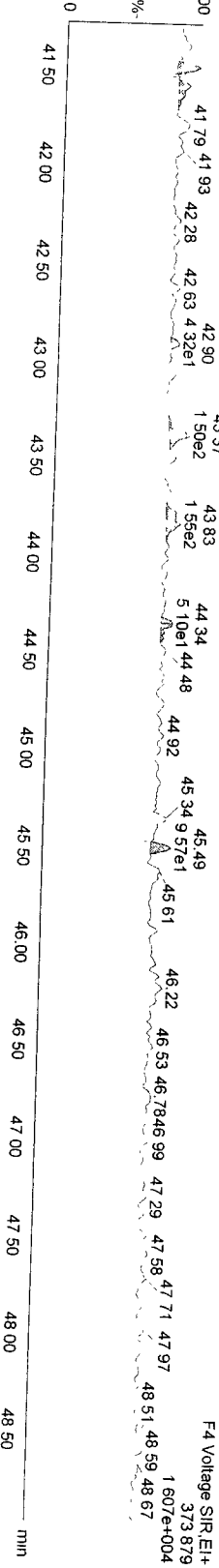


13C-HXPCBS

14AU0910D5\_7 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0814A



14AU0910D5\_7 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0814A

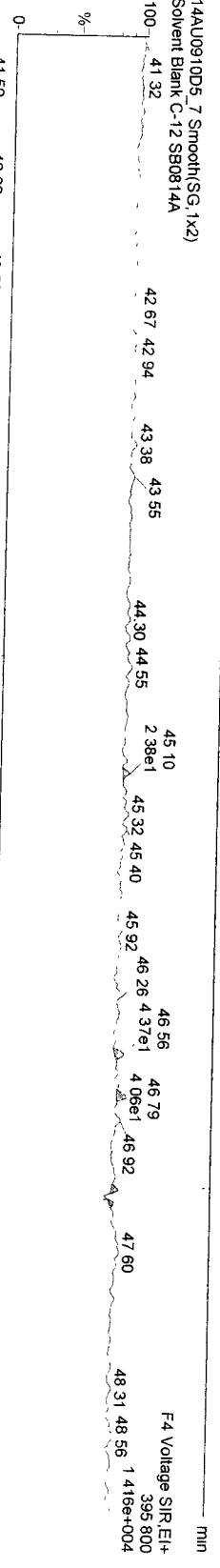
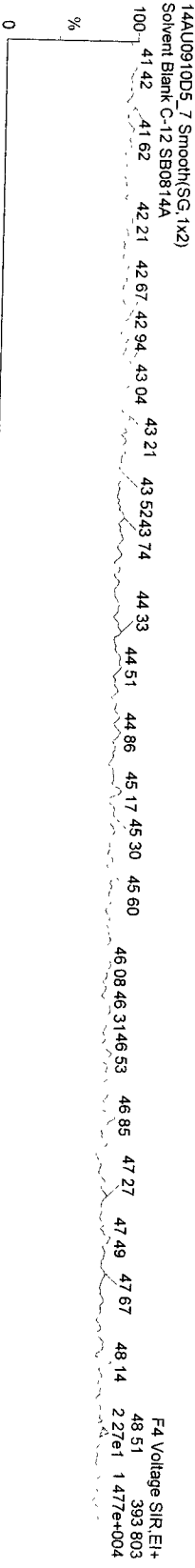




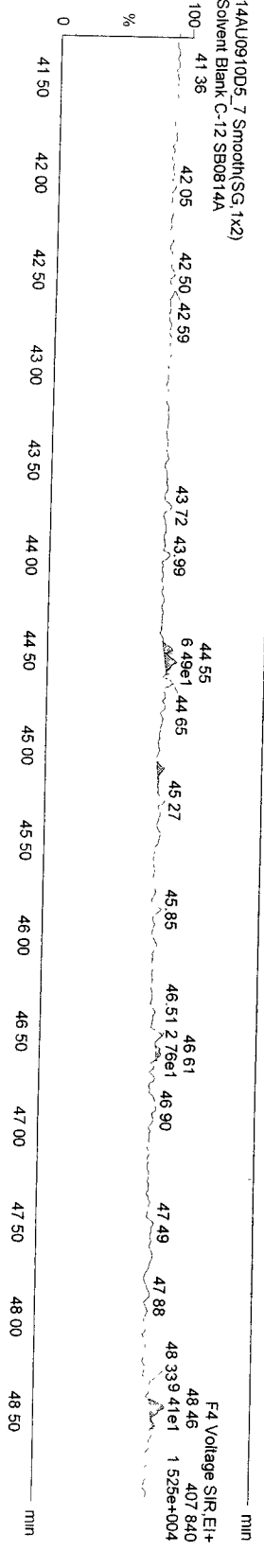
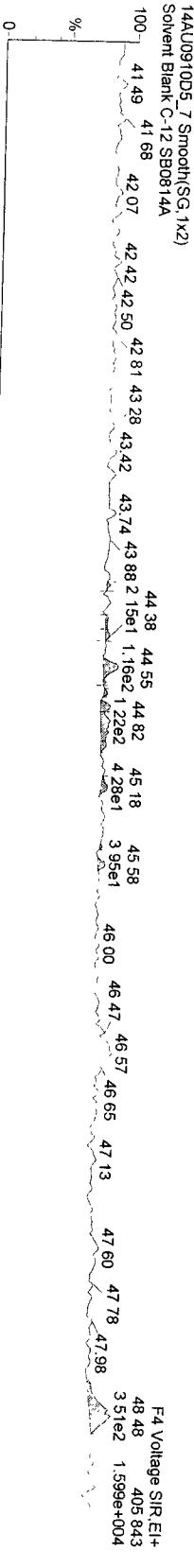
Dataset C:\Masslynx\Default\proj\14AU0910D51668MSL.qld  
Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
Printed Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

Name: 14AU0910D5\_7, Date: 14-Aug-2009, Time: 23:35:20, ID: SB0814A, Description: Solvent Blank C-12

HPPCBs



13C-HPPCBs



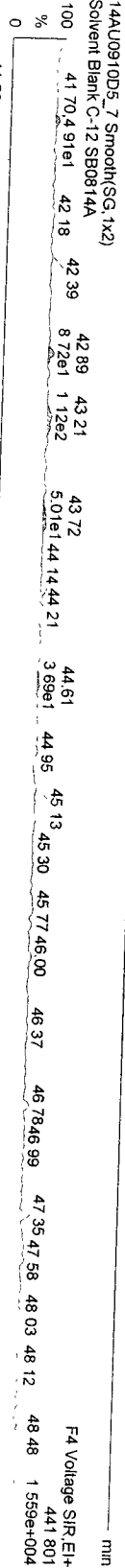
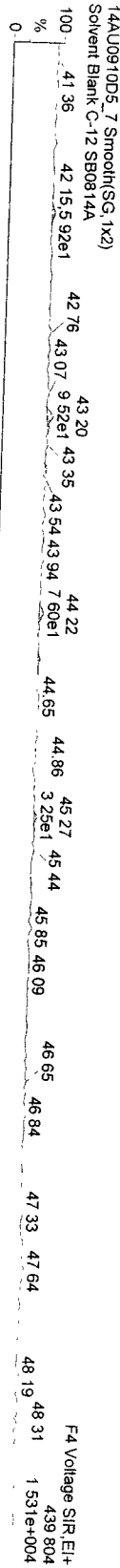
Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\pro1\14AU0910D5\1668MSL.qld

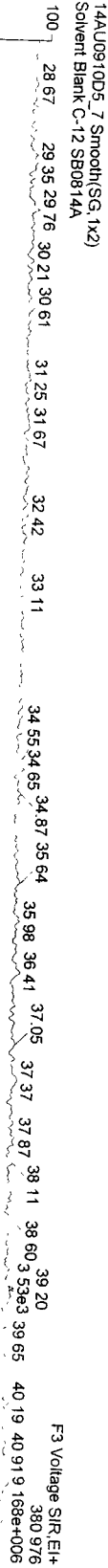
Last Altered: Monday, August 17, 2009 10:38:26 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 10:41:48 AM Pacific Daylight Time

Name: 14AU0910D5\_7, Date: 14-Aug-2009, Time: 23:35:20, ID: SB0814A, Description: Solvent Blank C-12

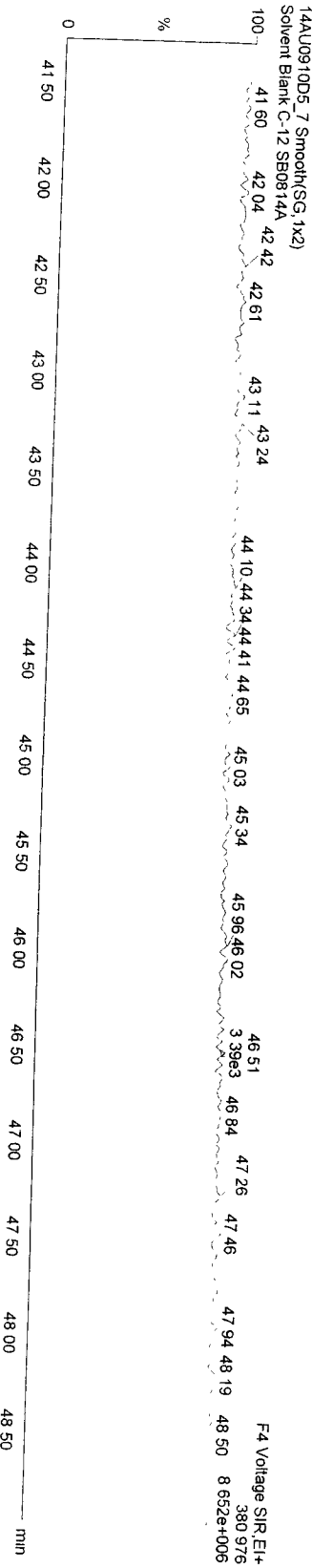
13C-OcCB-202



Function 3 PFK



Function 4 PFK



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668M

Associated ICAL ICA0716200910D51668M

Column ID DB-5

Instrument ID 10D5

STD ID ST0814

STD Solution 09DXN207

Analyzed by AM

Date Analyzed 8-14-09

Std. Pkg. By SMA

Date Std. Pkg. Assembled 8-17-09

Std. Pkg. Reviewed By MA

Date Std. Pkg. Reviewed 8/17/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time

Printed: Monday, August 17, 2009 8:51:06 AM Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668M10DB5.mdb 04 Aug 2009 10:30:51

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668M.cdb 16 Jul 2009 17:29:50

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207

#	Name	Response	RT	RRF	M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D...
1	13C-MoCB-3	1195004	14.10	1.38845	1.41707	102.06	2.1	102.1	3.117	NO		
2	MoCB-1	897393	12.14	1.38571	1.50191	54.19	8.4	108.4	3.162	NO		
3	MoCB-3	756007	14.11	1.25915	1.26528	50.24	0.5	100.5	3.215	NO		
4	Total MoCB			1.32243		104.44						
5												
6	13C-DiCB-15	1387074	20.45	1.70222	1.64483	96.63	-3.4	96.6	1.585	NO		
7	DiCB-4/10	539774	15.26	0.69366	0.77829	56.10	12.2	112.2				
8	DiCB-8/5	781967	17.64	0.51024	0.56375	110.49	10.5	110.5				
9	DiCB-15	544293	20.48	0.76669	0.78481	51.18	2.4	102.4				
10	Total DiCB			0.65686		217.77						
11												
12	13C-TrCB-28	1188309	23.38	1.35659	1.40913	103.87	3.9	103.9	1.040	NO		
13	TrCB-30	854822	19.43	1.46403	1.43872	49.14	-1.7	98.3	1.053	NO		
14	TrCB-18	737435	20.29	1.24888	1.24115	49.69	-0.6	99.4	1.034	NO		
15	Total F1 TrCB			1.35645		98.83						
16	TrCB-31	895307	23.30	1.47193	1.50686	51.19	2.4	102.4	1.117	NO		
17	TrCB-28	929760	23.39	1.47144	1.56485	53.17	6.3	106.3	0.966	NO		
18	TrCB-37	710416	27.44	1.26695	1.19568	47.19	-5.6	94.4	1.030	NO		
19	Total F2 TrCB			1.40344		152.78						
20												
21	13C-TeCB-52	843294	25.71	1.00000	1.00000	100.00	-0.0	100.0	0.795	NO		
22												
23	13C-TeCB-81	772683	33.77	1.03984	1.02798	98.86	-1.1	98.9	0.804	NO		
24	13C-TeCB-77	760484	34.45	1.10430	1.01175	91.62	-8.4	91.6	0.803	NO		
25	TeCB-54	618929	22.46	1.41398	1.61477	57.10	14.2	114.2	0.782	NO		
26	TeCB-52/73	487792	25.74	1.12730	1.27264	56.45	12.9	112.9	0.779	NO		
27	TeCB-47/75/48	564339	26.25	1.30584	1.47235	56.38	12.8	112.8	0.784	NO		
28	TeCB-44	426963	27.17	0.98730	1.11394	56.41	12.8	112.8	0.762	NO		
29	Total F2 TeCB			1.20861		226.34						
30	TeCB-66/80	798436	30.19	1.74077	2.08310	59.83	19.7	119.7	0.799	NO		
31	TeCB-81	612239	33.78	1.45839	1.58471	54.33	8.7	108.7	0.765	NO		
32	TeCB-77	530566	34.49	1.27061	1.39534	54.91	9.8	109.8	0.751	NO		
33	Total F3 TeCB			1.48992		169.07						
34												
35	13C-PeCB-101	751654	31.84	1.00000	1.00000	100.00	0.0	100.0	0.640	NO		
36												
37	13C-PeCB-123	735527	36.11	0.99324	0.97855	98.52	-1.5	98.5	0.616	NO		
38	PeCB-104	594866	26.87	1.51630	1.59564	52.62	5.2	105.2	0.620	NO		
39	Total F2 PeCB			1.51630		52.62						
40	PeCB-101/89/90	555972	31.87	1.35828	1.49132	54.90	9.8	109.8	0.616	NO		
41	PeCB-123	571015	36.13	1.50539	1.55267	51.57	3.1	103.1	0.616	NO		
42	13C-PeCB-118	763820	36.28	1.02407	1.01619	99.23	-0.8	99.2	0.638	NO		
43	PeCB-118/106	617617	36.30	1.52536	1.61718	53.01	6.0	106.0	0.620	NO		
44	13C-PeCB-114	774789	37.07	1.03691	1.03078	99.41	-0.6	99.4	0.625	NO		
45	PeCB-114	656946	37.09	1.58603	1.69580	53.46	6.9	106.9	0.614	NO		

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time

Printed: Monday, August 17, 2009 8:51:06 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207

# Name	Response	RT	RRF	M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D...
46 13C PeCB-105	725799	38.14	0.98151	0.96560	98.38	-1.6	98.4	0.624	NO		
47 PeCB-105/127	539492	38.16	1.43326	1.48661	51.86	3.7	103.7	0.623	NO		
48 13C-PeCB-126	728127	40.46	1.02999	0.96870	94.05	-6.0	94.0	0.622	NO		
49 PeCB-126	418081	40.47	1.15582	1.14837	49.68	-0.6	99.4	0.605	NO		
50 Total F3 PeCB			1.42736		317.05						
51											
52 13C-OcCB-202	909805	43.23	1.00000	1.00000	100.00	0.0	100.0	0.895	NO		
53											
54 13C-HxCB-167	923037	41.81	1.00247	1.01454	101.20	1.2	101.2	1.299	NO		
55 HxCB-155	612312	31.22	1.62299	1.51958	46.81	-6.4	93.6	1.270	NO		
56 HxCB-153	590877	37.89	1.54968	1.46638	47.31	-5.4	94.6	1.249	NO		
57 HxCB-137	518302	39.27	1.35366	1.28628	47.51	-5.0	95.0	1.241	NO		
58 HxCB-138/163/164	545070	39.84	1.40848	1.35271	48.02	-4.0	96.0	1.249	NO		
59 Total F3 HxCB			1.48370		191.23						
60 HxCB-128	520323	41.74	1.25831	1.29129	51.31	2.6	102.6	1.236	NO		
61 HxCB-167	696066	41.84	1.34796	1.50821	55.94	11.9	111.9	1.279	NO		
62 13C-HxCB-156	714230	43.39	0.78510	0.78504	99.99	-0.0	100.0	1.282	NO		
63 HxCB-156	641227	43.40	1.68840	1.79558	53.17	6.3	106.3	1.266	NO		
64 13C-HxCB-157	789038	43.77	0.83526	0.86726	103.83	3.8	103.8	1.242	NO		
65 HxCB-157	669702	43.79	1.65965	1.69752	51.14	2.3	102.3	1.221	NO		
66 13C-HxCB-169	797281	46.00	0.87128	0.87632	100.58	0.6	100.6	1.300	NO		
67 HxCB-169	454649	46.02	1.09832	1.14050	51.92	3.8	103.8	1.243	NO		
68 Total F4 HxCB			1.41053		266.89						
69											
70 13C-HpCB-180	678045	44.53	0.68403	0.74526	108.95	9.0	109.0	1.034	NO		
71 HpCB-188	587661	37.42	2.10927	1.82668	43.30	-13.4	86.6	1.058	NO		
72 HpCB-187/182	566505	41.01	1.98689	1.76092	44.31	-11.4	88.6	1.040	NO		
73 Total F3 HpCB			2.04808		87.61						
74 HpCB-180	450901	44.56	1.30035	1.33000	51.14	2.3	102.3	1.022	NO		
75 13C-HpCB-170	551894	46.54	0.54773	0.60661	110.75	10.7	110.7	1.061	NO		
76 HpCB-170/190	455339	46.56	1.61501	1.65009	51.09	2.2	102.2	1.051	NO		
77 13C-HpCB-189	700320	48.43	0.69767	0.76975	110.33	10.3	110.3	1.035	NO		
78 HpCB-189	443748	48.45	1.23073	1.26727	51.48	3.0	103.0	1.037	NO		
79 Total F4 HpCB			1.38203		153.71						
80											
81 13C-OcCB-194	543726	50.43	0.46585	0.59763	128.29	28.3	128.3	0.932	NO		
82 OcCB-202	487662	43.26	2.22473	1.79378	40.31	-19.4	80.6	0.894	NO		
83 Total F4 OcCB			2.22473		40.31						
84 OcCB-195	502346	49.34	1.81935	1.84779	50.78	1.6	101.6	0.886	NO		
85 OcCB-194	389958	50.44	1.41719	1.43439	50.61	1.2	101.2	0.884	NO		
86 Total F5 OcCB			1.61827		103.49						
87											
88 13C-NoCB-208	825780	49.26	0.75959	0.90764	119.49	19.5	119.5	0.791	NO		
89 NoCB-208	449290	49.27	1.06905	1.08816	50.89	1.8	101.8	0.761	NO		
90 NoCB-206	323313	52.31	0.72050	0.78305	54.34	8.7	108.7	0.781	NO		
91 Total NoCB			0.89477		105.23						
92											
93 13C-DeCB-209	590133	53.65	0.55323	0.64864	117.25	17.2	117.2	0.700	NO		
94 DeCB-209	396562	53.66	1.31861	1.34397	50.96	1.9	101.9	0.699	NO		

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time

Printed: Monday, August 17, 2009 8:51:06 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207

#	Name	Response	RT	RRF	M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D
95												
96	13C-MoCB-1	1663132	12.13	1.30836	1.39174	106.37	6.4	106.4	3.098	NO		
97	13C-DiCB-4	1126823	15.23	0.74585	0.81237	108.92	8.9	108.9	1.539	NO		
98	13C-TrCB-19	997455	18.87	0.84405	0.83939	99.45	-0.6	99.4	1.085	NO		
99	13C-TeCB-54	1126749	22.43	1.28400	1.46983	114.47	14.5	114.5	0.802	NO		
100	13C-PeCB-111	1016437	33.60	1.30475	1.36322	104.48	4.5	104.5	0.628	NO		
101												
102	13C-HxCB-138	769454	39.80	1.04381	0.95478	91.47	-8.5	91.5	1.268	NO		
103												
104												
105	Function 1 PFK											
106	Function 2 PFK											
107	Function 3 PFK											
108	Function 4 PFK											
109	Function 5 PFK											

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampled\14AU0910D5 SPL  
 Last Modified: Friday, August 14, 2009 21:22:41 Pacific Daylight Time  
 Printed: Friday, August 14, 2009 21:22:47 Pacific Daylight Time

Page 1 of 3

Page Position (1, 1)

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1	14AU0910D5_1	CS-3 09DXN207	ST0814	---	---	1.000000	---	1.00
2	14AU0910D5_2	209PCB 09DXN229	ST0814A	---	---	1.000000	---	1.00
3	14AU0910D5_3	Solvent Blank C-12	SB0814	---	---	1.000000	---	1.00
4	14AU0910D5_4	F9G280117-1MBRX	LHWW-1-ACC	1668/Water	12	1.000000	L	20
5	14AU0910D5_5	F9G280117-1LCSR	LG9VV-1-C3	1668/Water	---	1.000000	L	20
6	14AU0910D5_6	F9G280117-1RX	LG9VV-2-C3	1668/Water	---	0.057400	L	20
7	14AU0910D5_7	Solvent Blank C-12	SB0814A	---	---	1.000000	---	1.00
8	14AU0910D5_8	G9H050199-1MB	LHW66-1-AAB	1668/Air	12	0.333300	Samp	10
9	14AU0910D5_9	G9H050199-1LCS	LHW66-1-ACC	1668/Air	---	0.333300	Samp	10
10	14AU0910D5_10	G9H050199-1	LHJW9-1-AD	1668/Air	---	0.333300	Samp	10
11	14AU0910D5_11	G9H050321-9	LHKQH-1-AA	1668/Water	---	1.034400	L	20
12	14AU0910D5_12	G9H060351-1	LHQAP-1-AC	1668/Water	---	1.054200	L	20
13	14AU0910D5_13	G9H040246-1 (5x)	LHHJK-1-AC	1668/Air	9	0.500000	Samp	20
14	14AU0910D5_14	G9H040246-2 (5x)	LHHJN-1-AC	1668/Air	---	0.500000	Samp	20
15	14AU0910D5_15	Solvent Blank C-12	SB0814B	---	---	1.000000	---	1.00
16	14AU0910D5_16	CS-3 09DXN207	ST0814B	---	---	1.000000	---	1.00
17	14AU0910D5_17	Solvent Blank C-12	SB0814C	---	---	1.000000	---	1.00
18	14AU0910D5_18	G9H080213-4MB	LHW7T-1-AAB	1668/Air	12	0.500000	Samp	40
19	14AU0910D5_19	G9H080213-4LCS	LHW7T-1-ACC	1668/Air	---	0.500000	Samp	40
20	14AU0910D5_20	G9H080213-4DCS	LHW7T-1-ADL	1668/Air	---	0.500000	Samp	40
21	14AU0910D5_21	G9H080213-4	LHW0-1-AC	1668/Air	---	0.500000	Samp	40
22	14AU0910D5_22	G9H080213-5	LHV1-1-AC	1668/Air	---	0.500000	Samp	40
23	14AU0910D5_23	G9H080213-6	LHV2-1-AC	1668/Air	---	0.500000	Samp	40

*Logfile checked*

*8-17-09*

*SM A*

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampled\14AU0910D5.SPL

Page 2 of 3

Last Modified: Friday, August 14, 2009 21:22:41 Pacific Daylight Time

Printed: Friday, August 14, 2009 21:22:47 Pacific Daylight Time

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:2	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:3	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:4	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:5	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:6	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:7	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	1333	1000
Tray1:9	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	1333	1000
Tray1:10	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	1333	1000
Tray1:11	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:16	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:17	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:18	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	AM 08-14-09	1668M10D5	1668M10D5	---	---	2000	2000



Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\14AU0910D5.SPL  
Last Modified: Friday, August 14, 2009 21:22:41 Pacific Daylight Time  
Printed: Friday, August 14, 2009 21:22:47 Pacific Daylight Time

Page 3 of 3

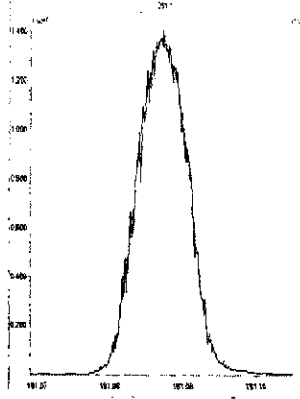
Page Position (3, 1)

Conc E	Conc F	Conc G	Conc H	Task
100	---	---	---	---
---	---	---	---	---
---	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
---	---	---	---	---
1333	---	---	---	---
1333	---	---	---	---
1333	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
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100	---	---	---	---
---	---	---	---	---
2000	---	---	---	---
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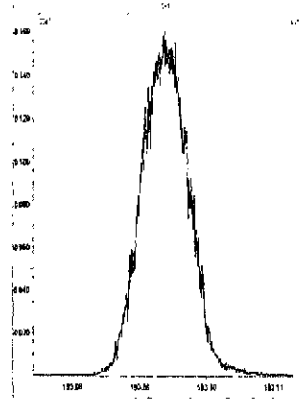
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Printed: Friday, August 14, 2009 17:43:42 Pacific Daylight Time

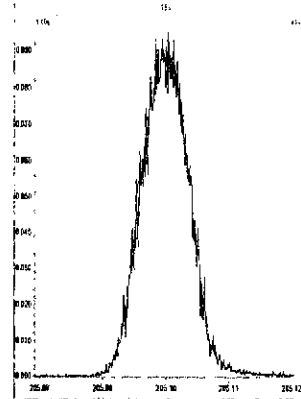
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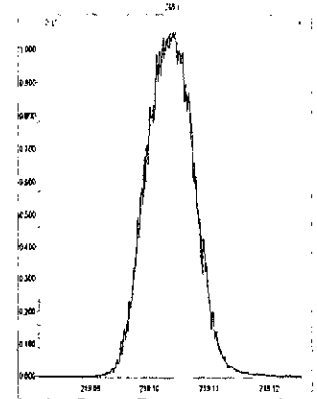
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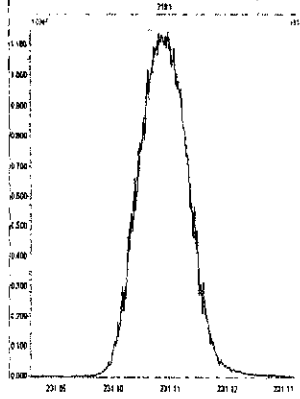
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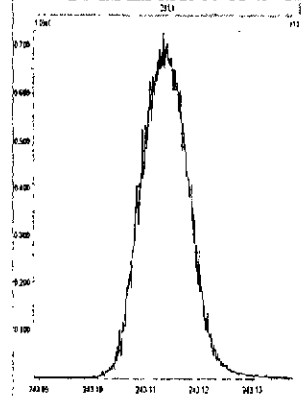
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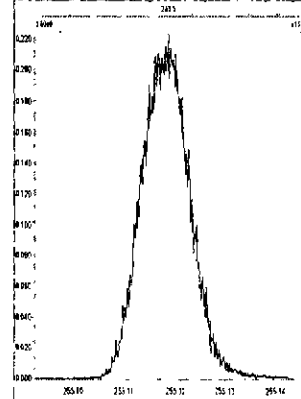
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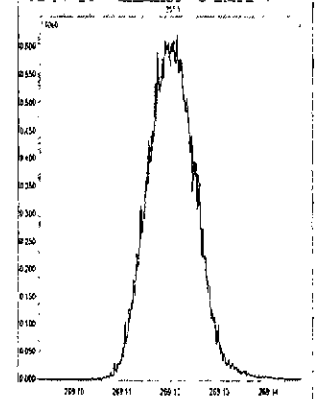
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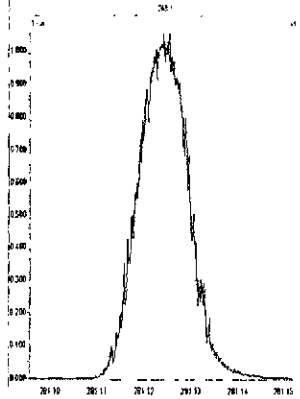
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M 268.9824 R 12497



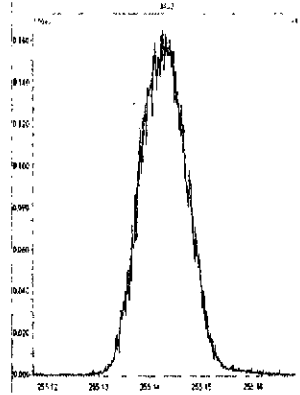
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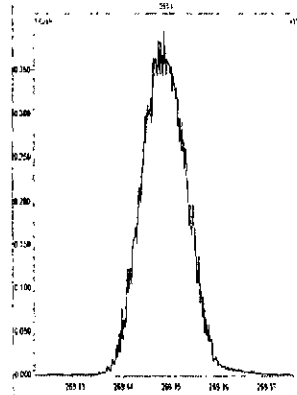
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Printed: Friday, August 14, 2009 17:45:10 Pacific Daylight Time

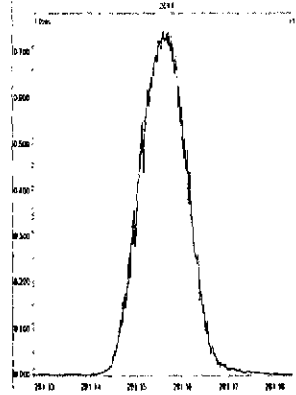
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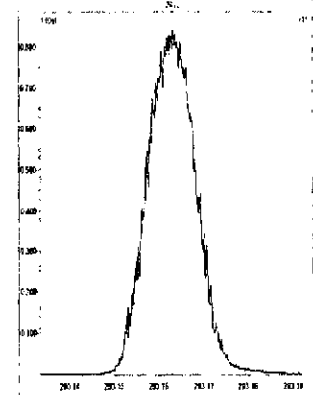
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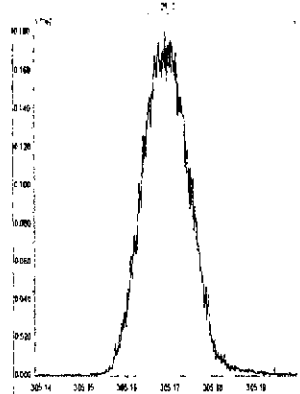
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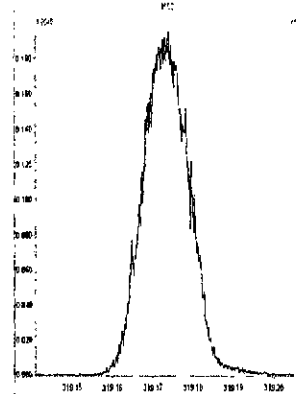
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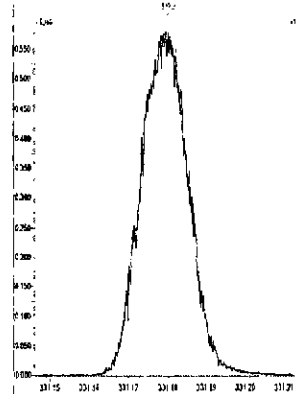
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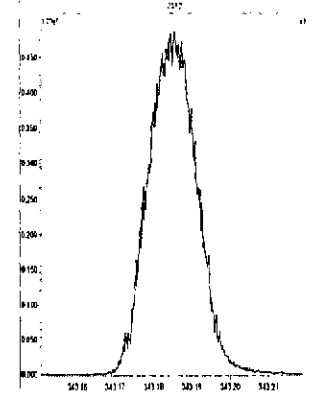
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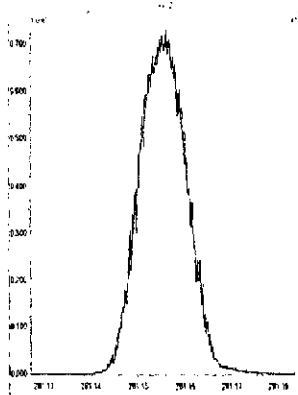
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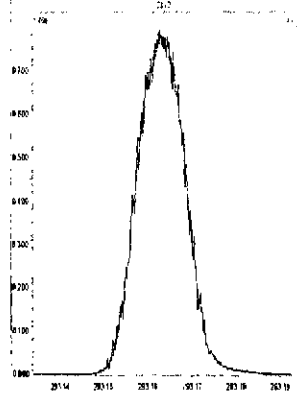
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Printed: Friday, August 14, 2009 17:46:45 Pacific Daylight Time

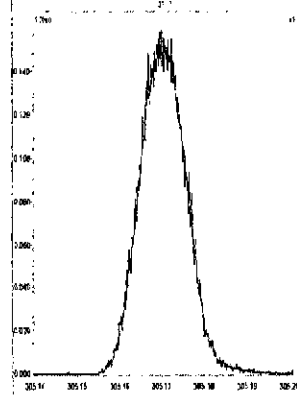
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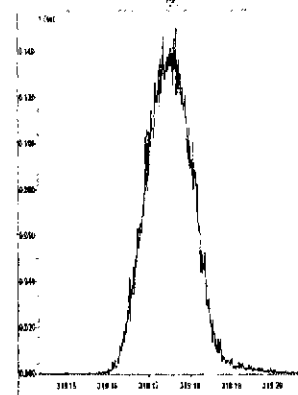
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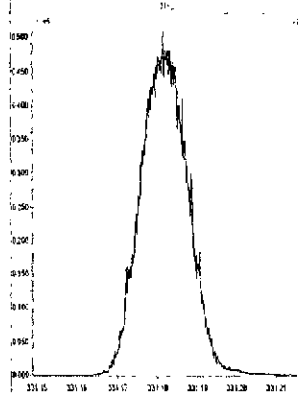
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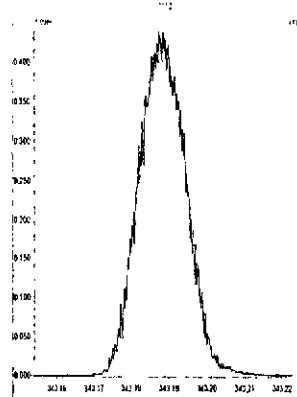
M 318.9792 R 12885



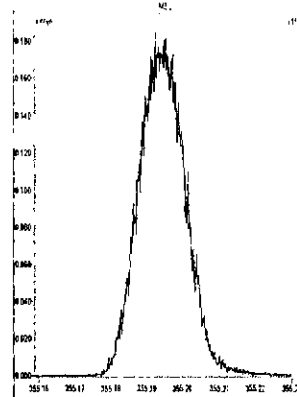
M 330.9792 R 12889



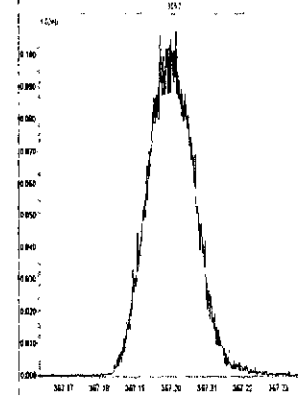
M 342.9792 R 12315



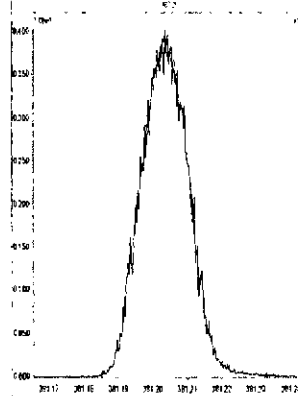
M 354.9792 R 12498



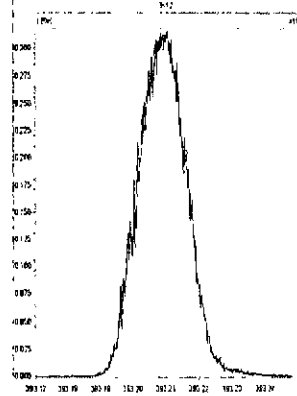
M 366.9792 R 12823



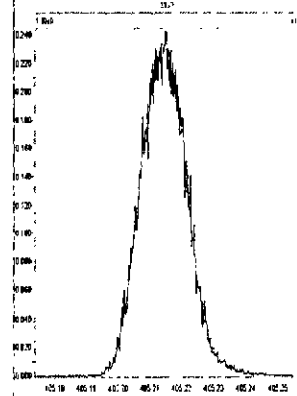
M 380.9760 R 12887



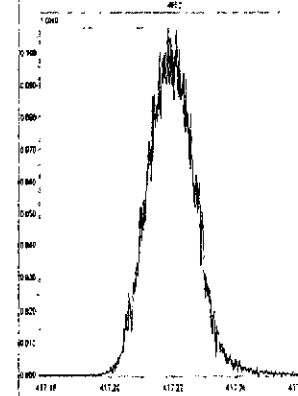
M 392.9760 R 12135



M 404.9760 R 12561



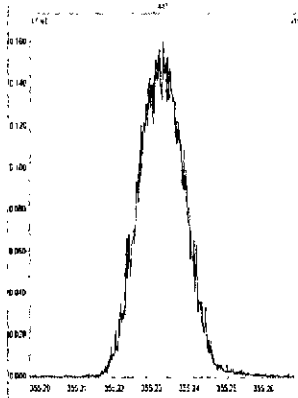
M 416.9760 R 12501



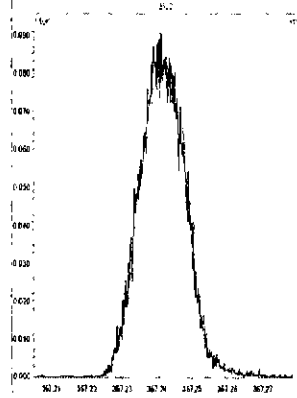
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, August 14, 2009 17:48:49 Pacific Daylight Time

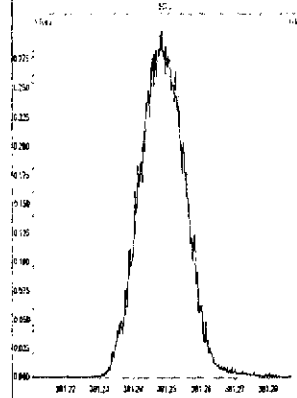
M 354.9792 R 12886



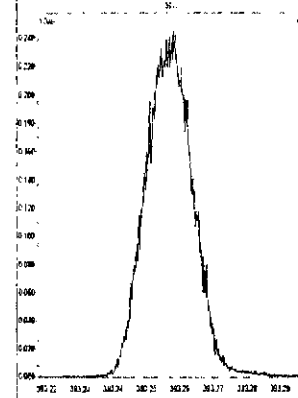
M 366.9792 R 12885



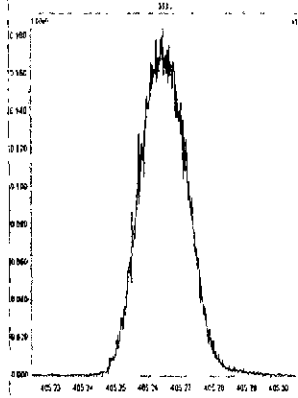
M 380.9760 R 12889



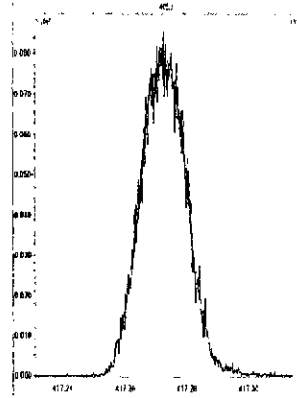
M 392.9760 R 13022



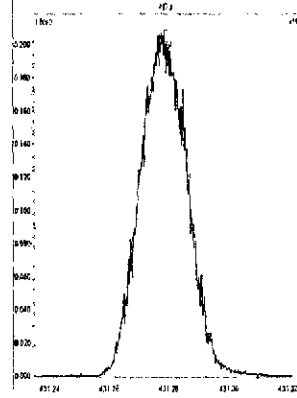
M 404.9760 R 12437



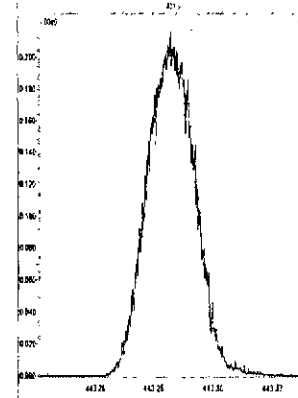
M 416.9760 R 13087



M 430.9728 R 12888



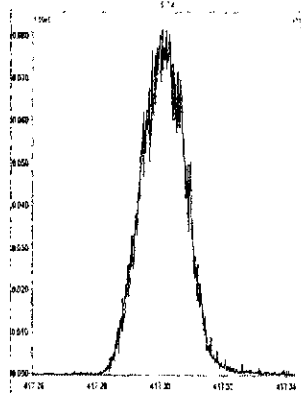
M 442.9728 R 12500



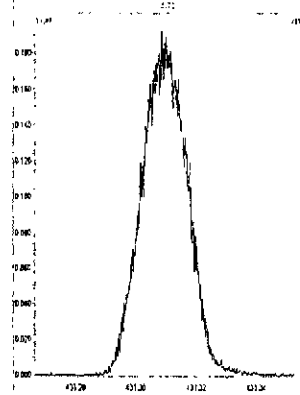
File: Experiment: 1668M10D5.exp Reference: pkf.ref Function: 5 @ 200 (ppm)

Printed: Friday, August 14, 2009 17:50:28 Pacific Daylight Time

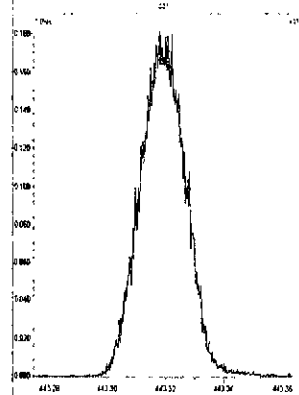
M 416.9760 R 13231



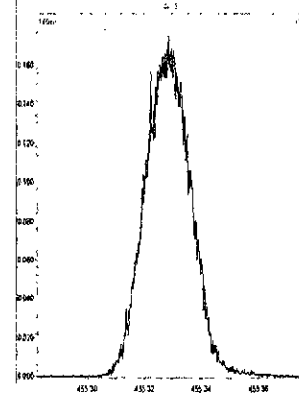
M 430.9728 R 13160



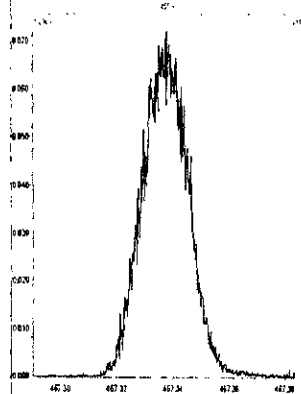
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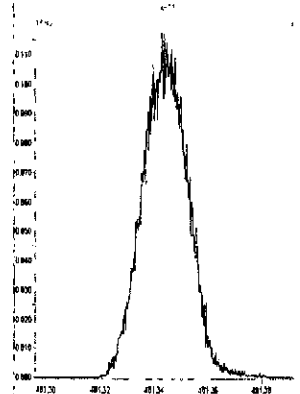
M 454.9728 R 13298



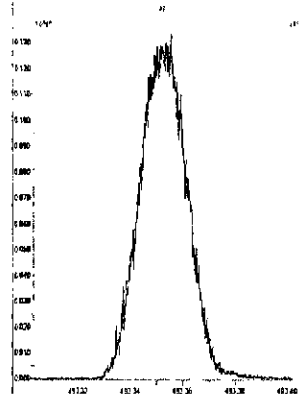
M 466.9728 R 13023



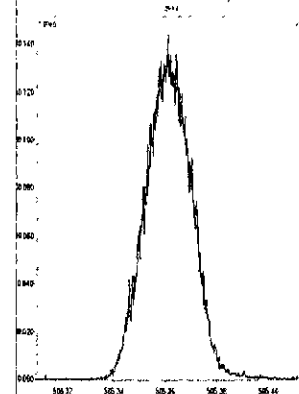
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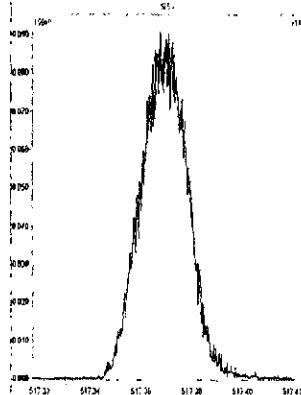
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M 504.9696 R 12820



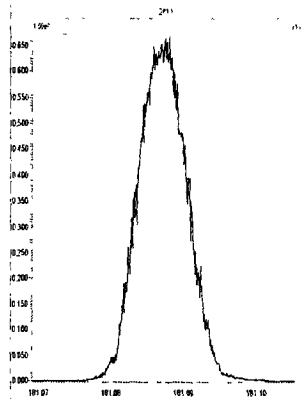
M 516.9697 R 12628



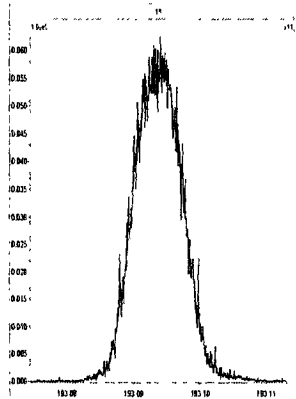
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Printed: Monday, August 17, 2009 08:22:16 Pacific Daylight Time

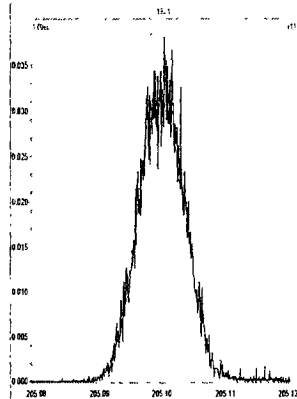
M 180.9888 R 12133



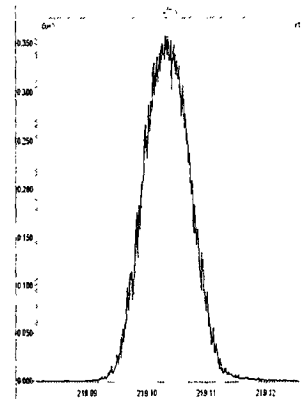
M 192.9888 R 12437



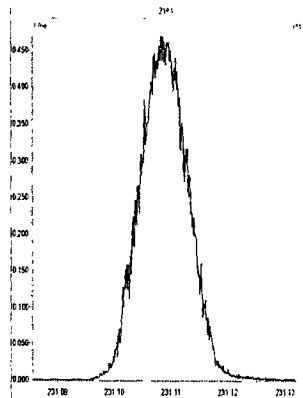
M 204.9888 R 12691



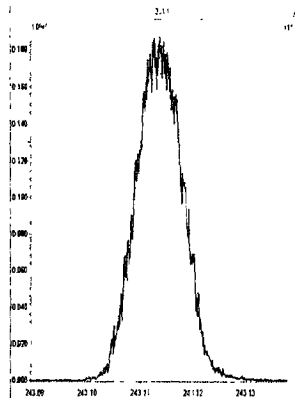
M 218.9856 R 12689



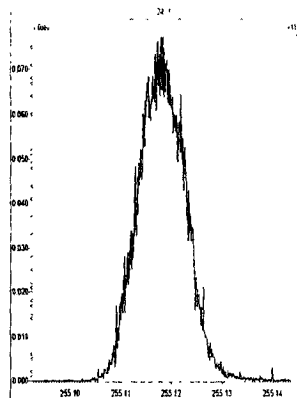
M 230.9856 R 12887



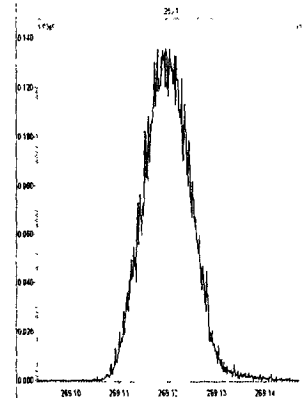
M 242.9856 R 12628



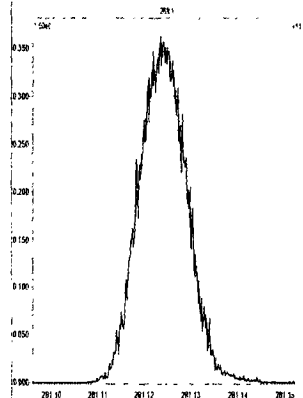
M 254.9856 R 12820



M 268.9824 R 12497



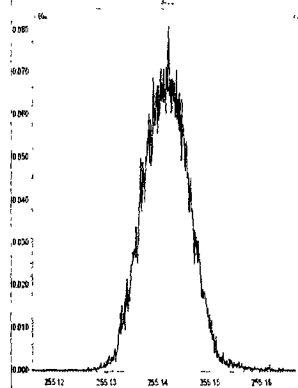
M 280.9824 R 12692



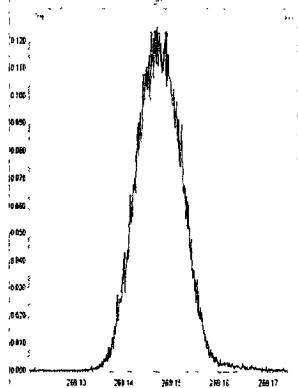
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Printed: Monday, August 17, 2009 08:23:15 Pacific Daylight Time

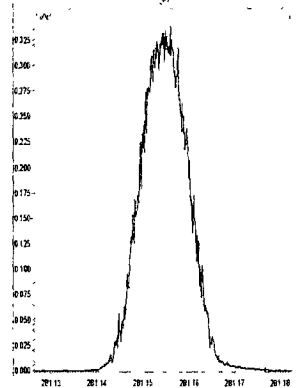
M 254.9856 R 13089



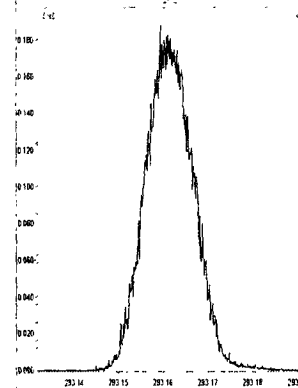
M 268.9824 R 13157



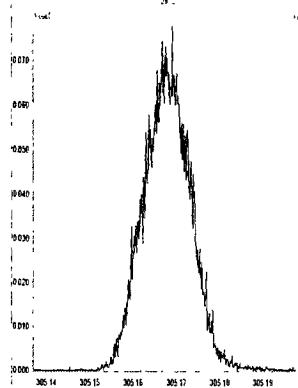
M 280.9824 R 12497



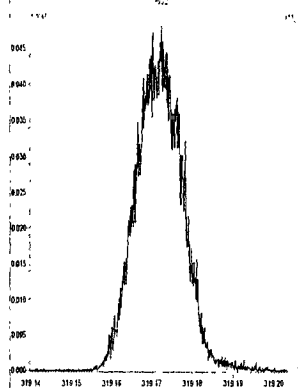
M 292.9824 R 12501



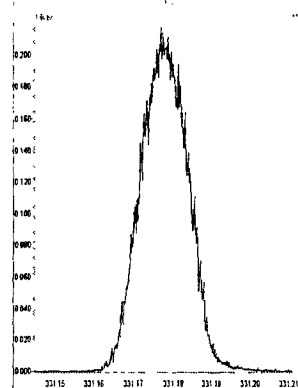
M 304.9824 R 13157



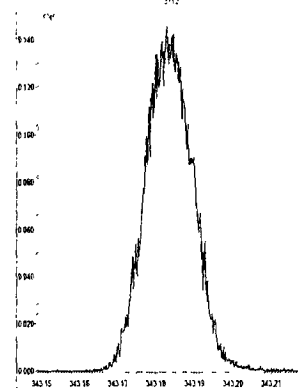
M 318.9792 R 13232



M 330.9792 R 12822



M 342.9792 R 12953

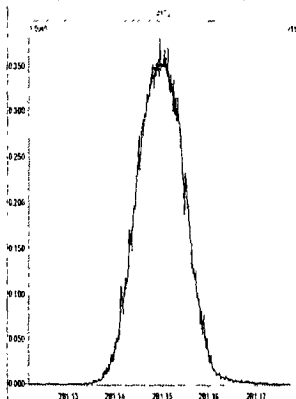




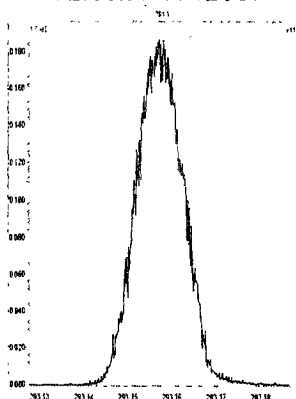
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Printed: Monday, August 17, 2009 08:27:44 Pacific Daylight Time

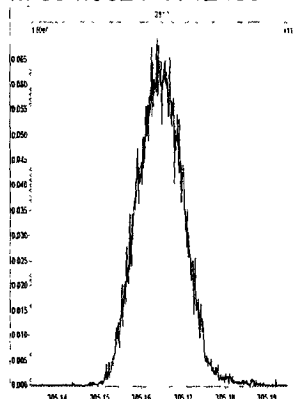
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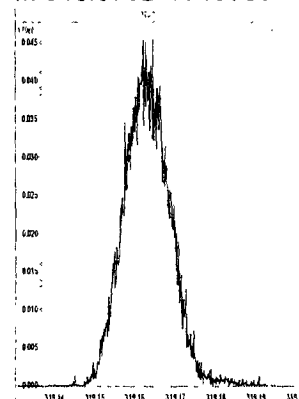
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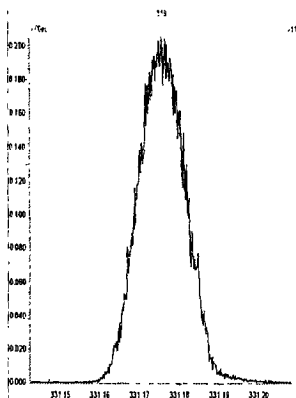
M 304.9824 R 12499



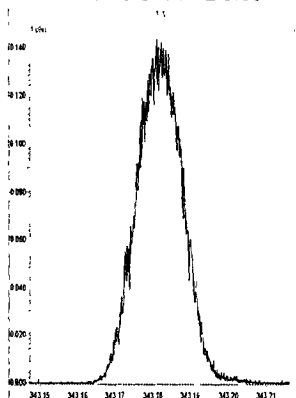
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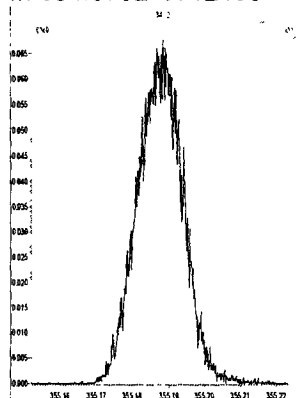
M 330.9792 R 13023



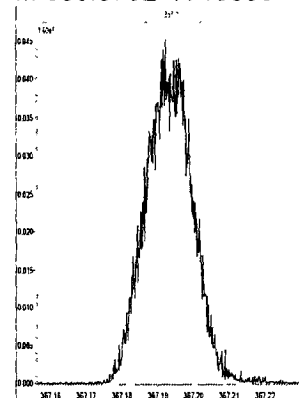
M 342.9792 R 12626



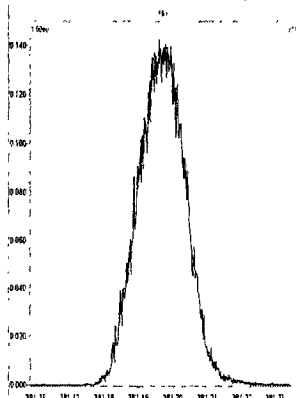
M 354.9792 R 12193



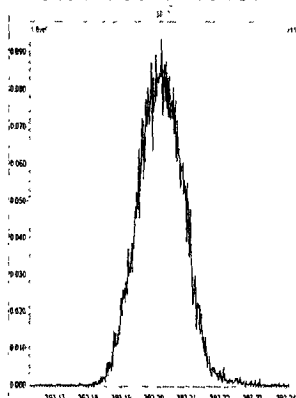
M 366.9792 R 13365



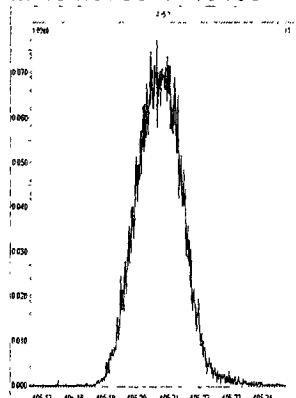
M 380.9760 R 12496



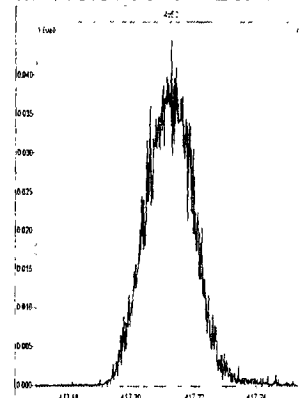
M 392.9760 R 13157



M 404.9760 R 13155



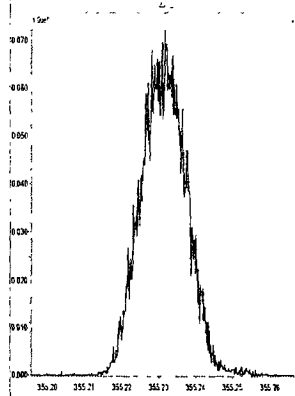
M 416.9760 R 12821



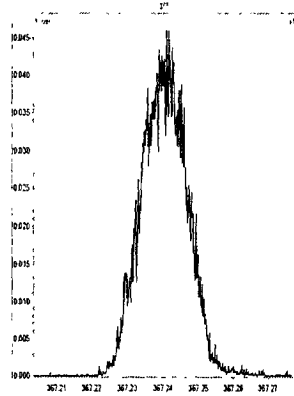
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Printed: Monday, August 17, 2009 08:29:13 Pacific Daylight Time

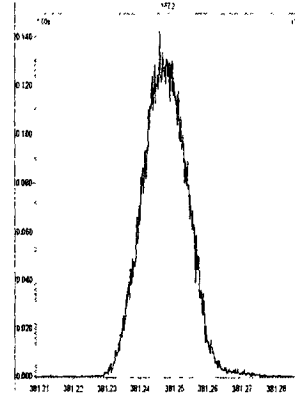
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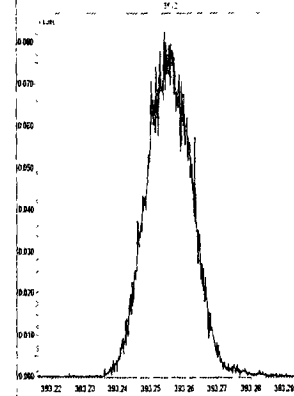
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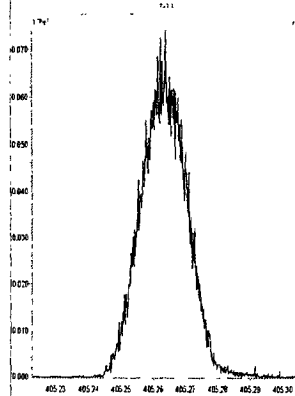
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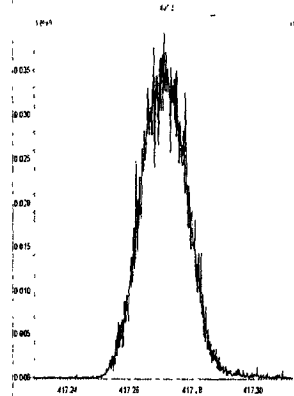
M 392.9760 R 12691



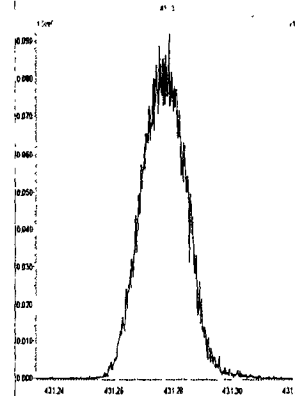
M 404.9760 R 12759



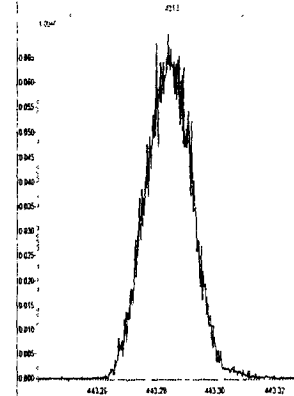
M 416.9760 R 12823



M 430.9728 R 12883



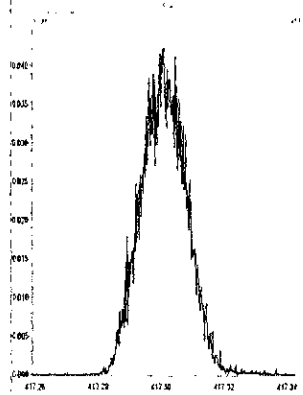
M 442.9728 R 12315



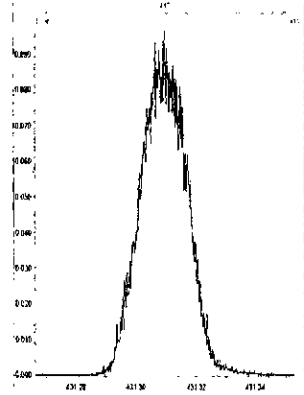
File: Experiment. 1668M10D5.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, August 17, 2009 08:29:57 Pacific Daylight Time

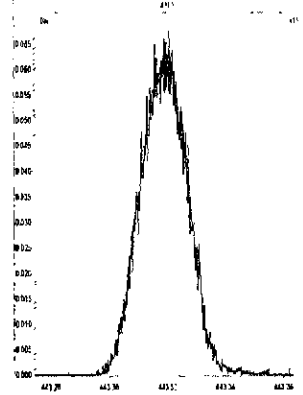
M 416.9760 R 13231



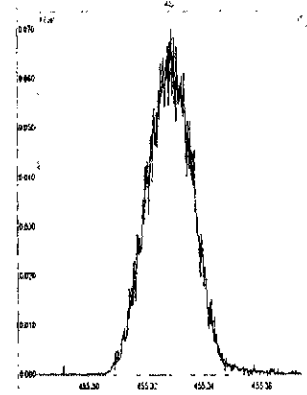
M 430.9728 R 12757



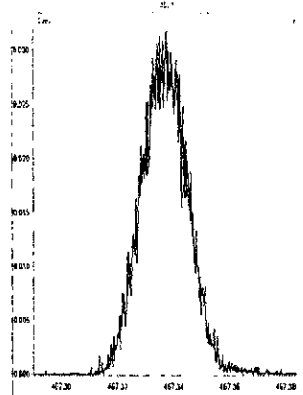
M 442.9728 R 12564



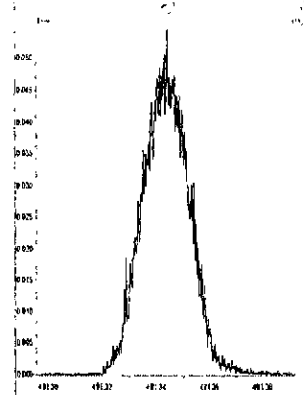
M 454.9728 R 12820



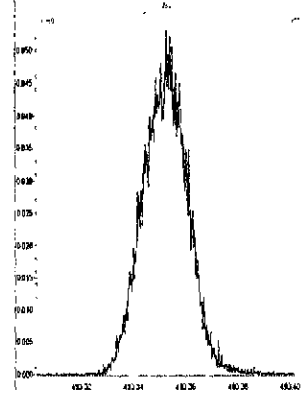
M 466.9728 R 12689



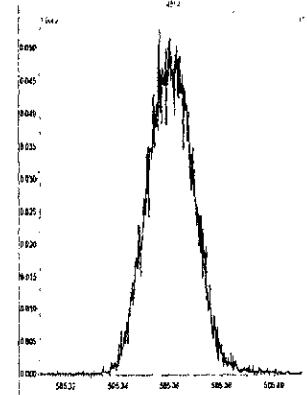
M 480.9696 R 12134



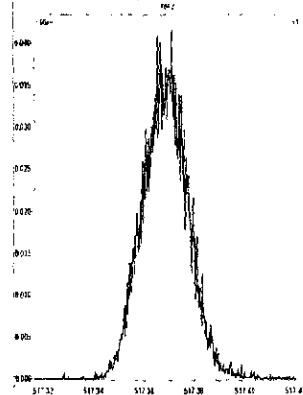
M 492.9696 R 12887



M 504.9696 R 13227



M 516.9697 R 12249

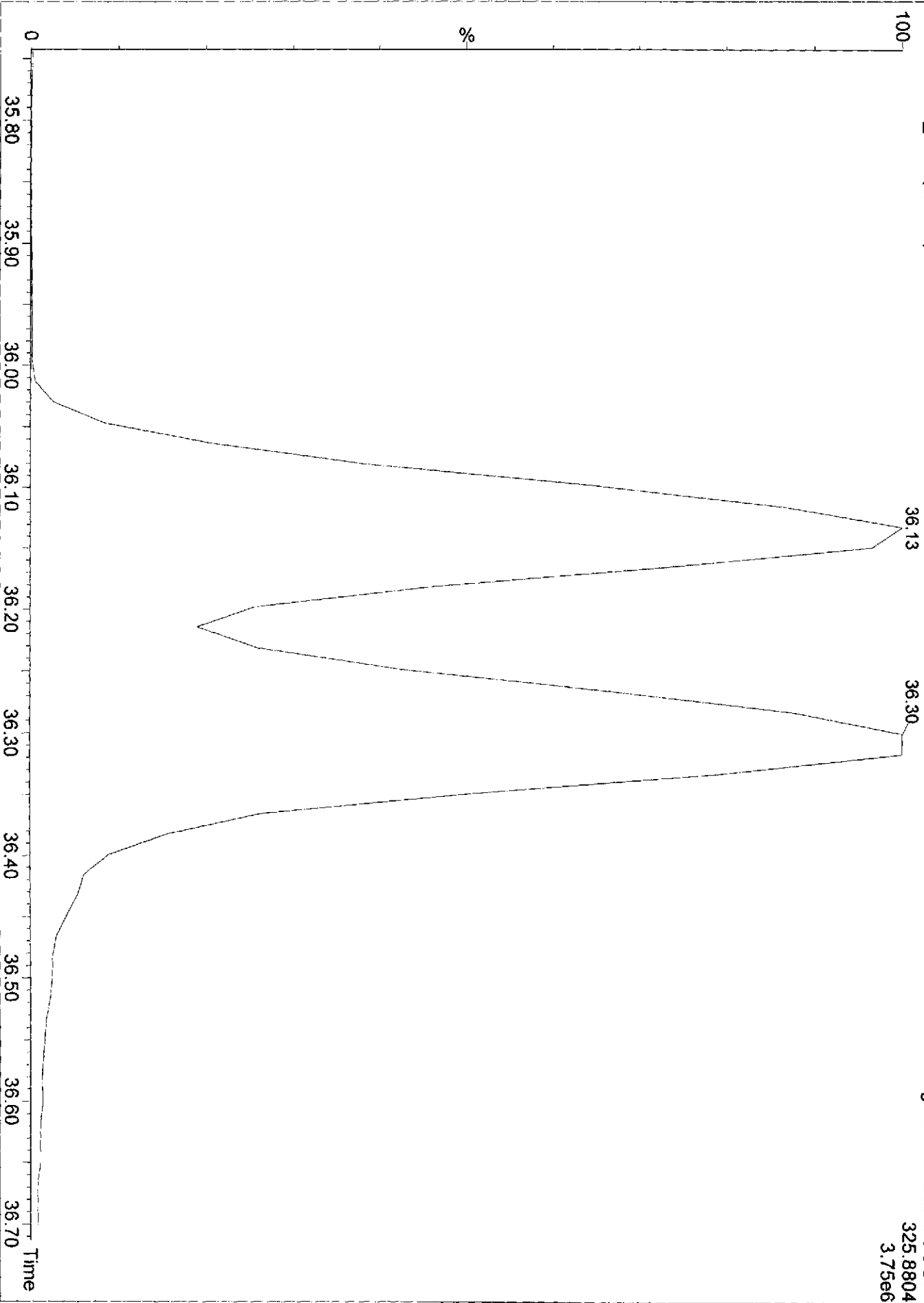


CS-3 09DXN207

14AU0910D5\_1 Sb (0.1.00)

3: Voltage SIR 17 Channels EI+

325.8804  
3.75e6



Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time

Printed: Monday, August 17, 2009 8:51:26 AM Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668M10DB5.mdb 04 Aug 2009 10:30:51

Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D51668M.cdb 16 Jul 2009 17:29:50

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-MoCB-3	1.38845	0.03864	2.78262
2	MoCB-1	1.38571	0.04268	3.08004
3	MoCB-3	1.25915	0.03940	3.12909
4	Total MoCB	1.32243	0.03893	2.94356
5				
6	13C-DiCB-15	1.70222	0.03212	1.88681
7	DiCB-4/10	0.69366	0.02044	2.94714
8	DiCB-8/5	0.51024	0.01446	2.83475
9	DiCB-15	0.76669	0.01844	2.40566
10	Total DiCB	0.65686	0.01724	2.62386
11				
12	13C-TrCB-28	1.35659	0.02435	1.79479
13	TrCB-30	1.46403	0.03033	2.07174
14	TrCB-18	1.24888	0.04926	3.94416
15	Total F1 TrCB	1.35645	0.03890	2.86762
16	TrCB-31	1.47193	0.03919	2.66266
17	TrCB-28	1.47144	0.05064	3.44159
18	TrCB-37	1.26695	0.08180	6.45638
19	Total F2 TrCB	1.40344	0.05368	3.82512
20				
21	13C-TeCB-52	1.00000	0.00000	0.00000
22				
23	13C-TeCB-81	1.03984	0.01876	1.80442
24	13C-TeCB-77	1.10430	0.02395	2.16846
25	TeCB-54	1.41398	0.04220	2.98416
26	TeCB-52/73	1.12730	0.06389	5.66720
27	TeCB-47/75/48	1.30584	0.05319	4.07307
28	TeCB-44	0.98730	0.04828	4.89060
29	Total F2 TeCB	1.20861	0.05136	4.24960
30	TeCB-66/80	1.74077	0.07530	4.32552
31	TeCB-81	1.45839	0.09101	6.24018
32	TeCB-77	1.27061	0.03972	3.12612
33	Total F3 TeCB	1.48992	0.06409	4.30165
34				
35	13C-PeCB-101	1.00000	0.00000	0.00000
36				
37	13C-PeCB-123	0.99324	0.02725	2.74393
38	PeCB-104	1.51630	0.04696	3.09684
39	Total F2 PeCB	1.51630	0.04696	3.09684
40	PeCB-101/89/90	1.35828	0.06273	4.61811
41	PeCB-123	1.50539	0.08455	5.61640
42	13C-PeCB-118	1.02407	0.01724	1.68314
43	PeCB-118/106	1.52536	0.06935	4.54642
44	13C-PeCB-114	1.03691	0.02519	2.42948
45	PeCB-114	1.58603	0.05970	3.76433
46	13C PeCB-105	0.98151	0.01958	1.99471

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time

Printed: Monday, August 17, 2009 8:51:26 AM Pacific Daylight Time

#	Name	RRF Mean	RRF SD	RRF %Rel SD
47	PeCB-105/127	1.43326	0.05014	3.49836
48	13C-PeCB-126	1.02999	0.02184	2.12049
49	PeCB-126	1.15582	0.04646	4.01955
50	Total F3 PeCB	1.42736	0.06014	4.21310
51				
52	13C-OcCB-202	1.00000	0.00000	0.00000
53				
54	13C-HxCB-167	1.00247	0.01721	1.71682
55	HxCB-155	1.62299	0.06700	4.12816
56	HxCB-153	1.54968	0.05450	3.51715
57	HxCB-137	1.35366	0.03822	2.82312
58	HxCB-138/163/164	1.40848	0.06499	4.61401
59	Total F3 HxCB	1.48370	0.05408	3.64477
60	HxCB-128	1.25831	0.08752	6.95511
61	HxCB-167	1.34796	0.06034	4.47618
62	13C-HxCB-156	0.78510	0.01507	1.91900
63	HxCB-156	1.68840	0.05542	3.28237
64	13C-HxCB-157	0.83526	0.01601	1.91658
65	HxCB-157	1.65965	0.05667	3.41485
66	13C-HxCB-169	0.87128	0.02462	2.82576
67	HxCB-169	1.09832	0.02559	2.33030
68	Total F4 HxCB	1.41053	0.04676	3.31499
69				
70	13C-HpCB-180	0.68403	0.01367	1.99870
71	HpCB-188	2.10927	0.06660	3.15731
72	HpCB-187/182	1.98689	0.06901	3.47352
73	Total F3 HpCB	2.04808	0.06624	3.23445
74	HpCB-180	1.30035	0.04355	3.34919
75	13C-HpCB-170	0.54773	0.01278	2.33274
76	HpCB-170/190	1.61501	0.04613	2.85608
77	13C-HpCB-189	0.69767	0.02417	3.46390
78	HpCB-189	1.23073	0.02024	1.64439
79	Total F4 HpCB	1.38203	0.02868	2.07515
80				
81	13C-OcCB-194	0.46585	0.01075	2.30791
82	OcCB-202	2.22473	0.04413	1.98358
83	Total F4 OcCB	2.22473	0.04413	1.98358
84	OcCB-195	1.81935	0.10006	5.49976
85	OcCB-194	1.41719	0.02710	1.91222
86	Total F5 OcCB	1.61827	0.05896	3.64342
87				
88	13C-NoCB-208	0.75959	0.01321	1.73877
89	NoCB-208	1.06905	0.02762	2.58404
90	NoCB-206	0.72050	0.03079	4.27303
91	Total NoCB	0.89477	0.02885	3.22483
92				
93	13C-DeCB-209	0.55323	0.00785	1.41876
94	DeCB-209	1.31861	0.03844	2.91546
95				
96	13C-MoCB-1	1.30836	0.02090	1.59739

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time

Printed: Monday, August 17, 2009 8:51:26 AM Pacific Daylight Time

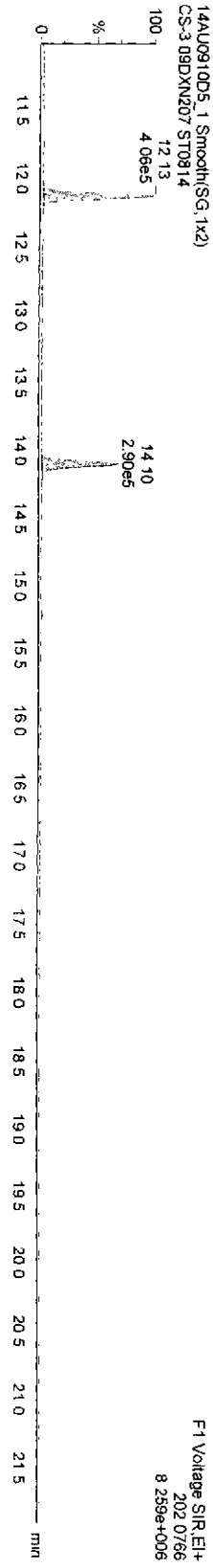
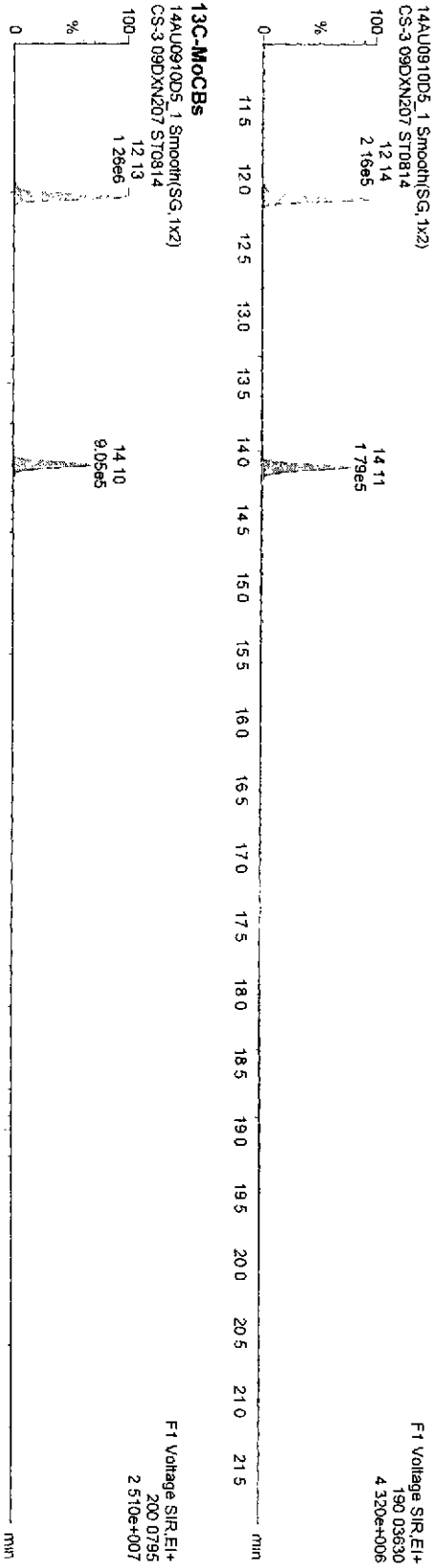
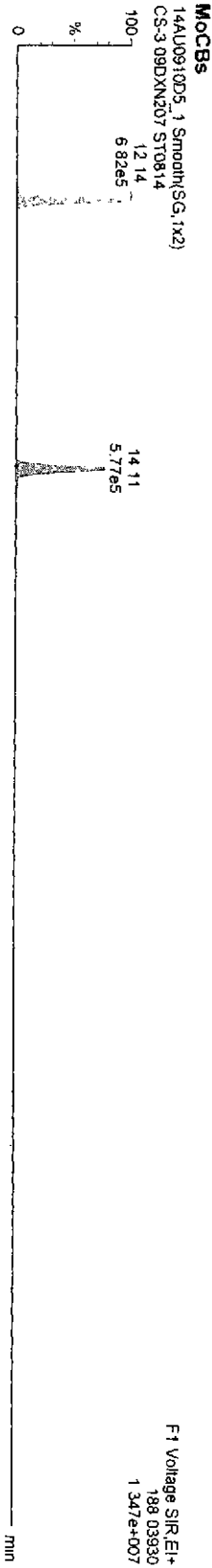
#	Name	RRF Mean	RRF SD	RRF %Rel SD
97	13C-DiCB-4	0.74585	0.01758	2.35681
98	13C-TrCB-19	0.84405	0.01755	2.07887
99	13C-TeCB-54	1.28400	0.02666	2.07623
100	13C-PeCB-111	1.30475	0.02157	1.65310
101				
102	13C-HxCB-138	1.04381	0.01726	1.65309
103				
104				
105	Function 1 PFK			
106	Function 2 PFK			
107	Function 3 PFK			
108	Function 4 PFK			
109	Function 5 PFK			

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:36 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Method: C:\MassLynx\Default.PROMethDB\1668M10DB5.mdb 04 Aug 2009 10:30:51  
Calibration: C:\MassLynx\Default.PROMethDB\CA0716200910D51668M.cdb 16 Jul 2009 17:29:50

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207



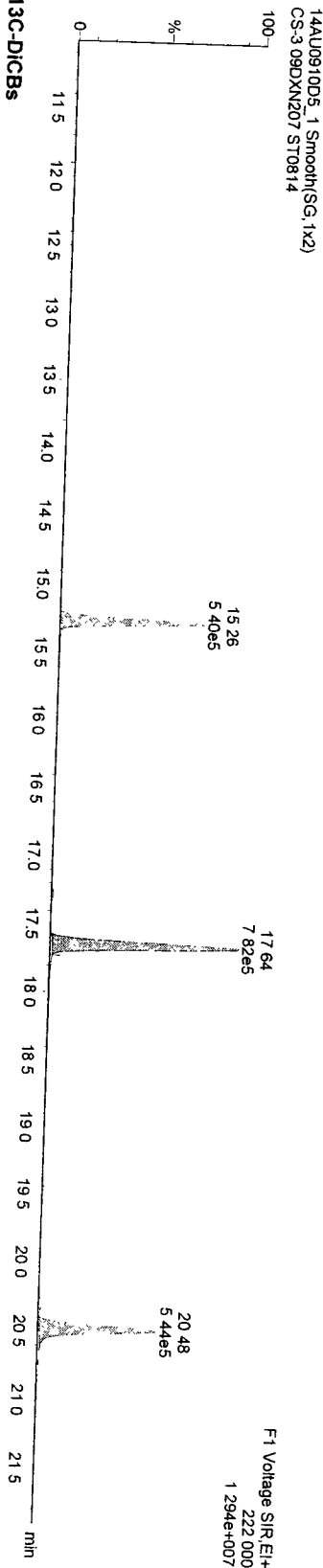


Dataset: C:\MassLynx\Default\pro1\14AU0910D51668M.qld

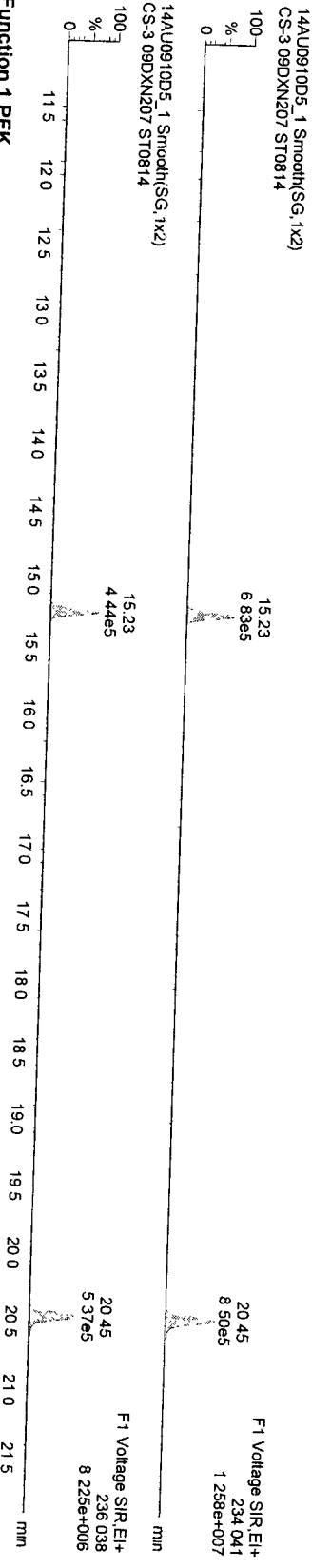
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207

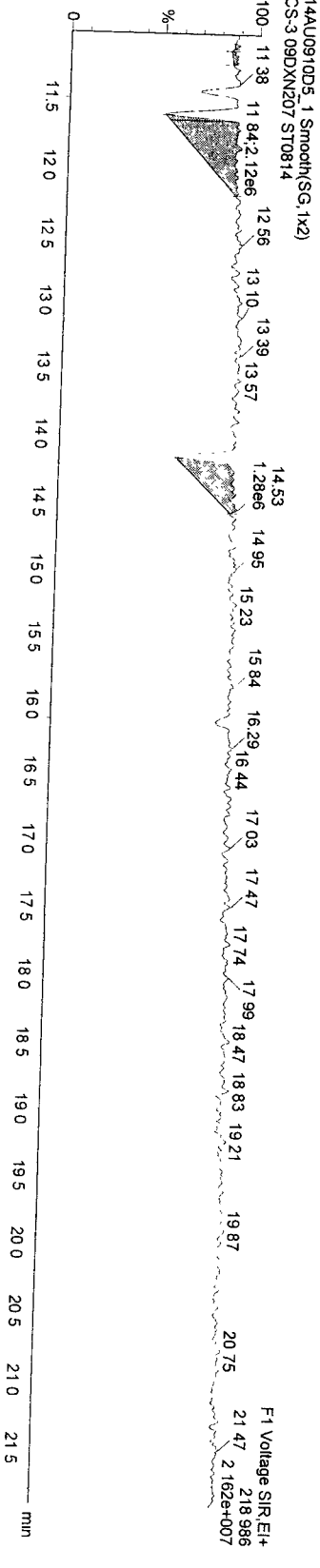
**DICBS**



**13C-DICBS**



**Function 1 PFK**



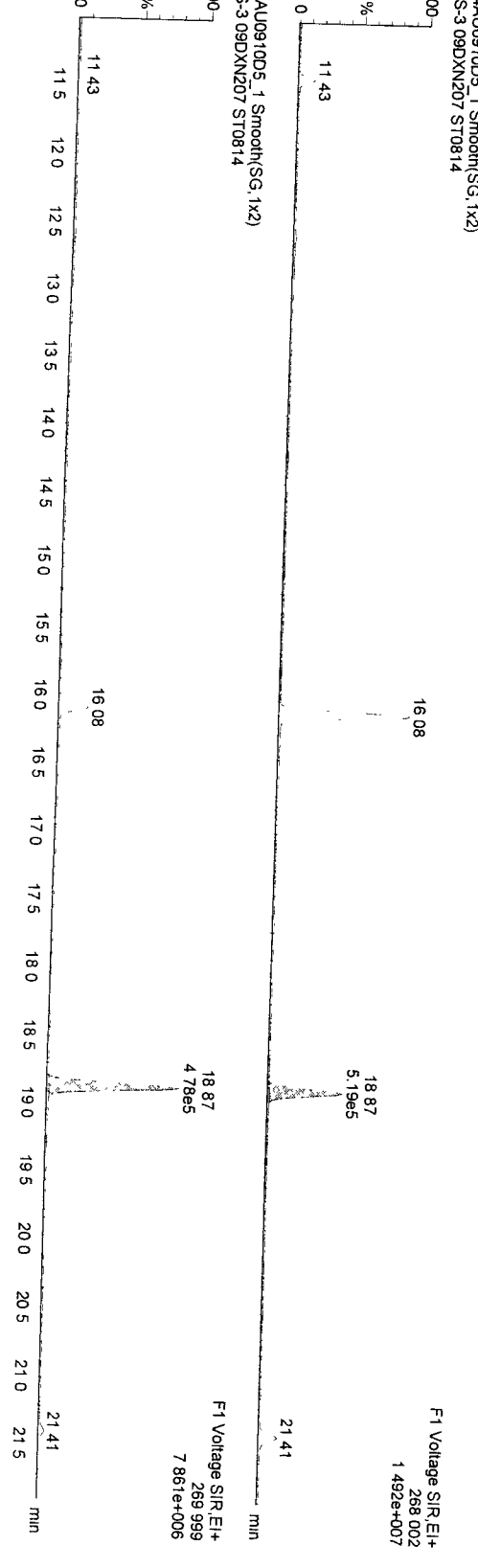
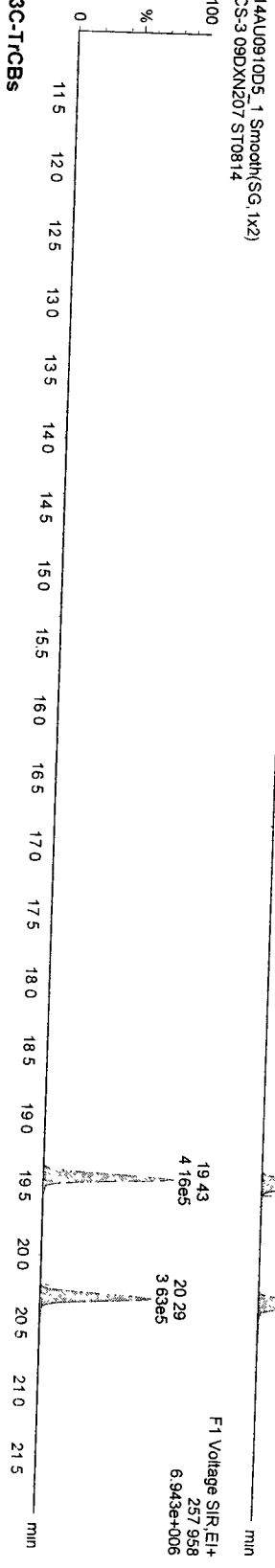
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3-09DXNZ07

TrCBs



Quantify Sample Report MassLynx 4.1

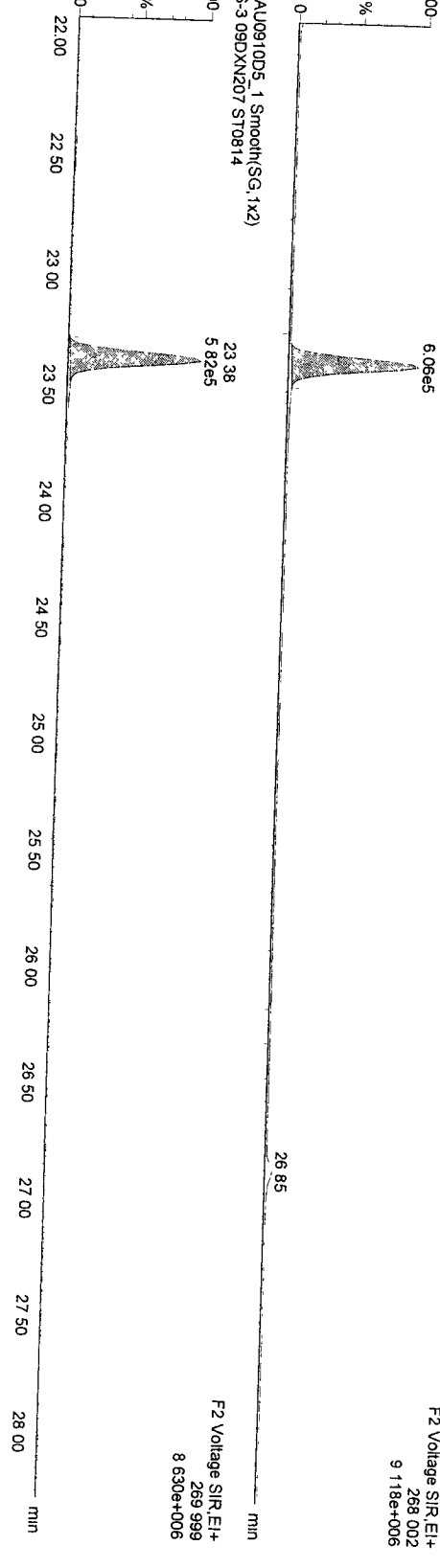
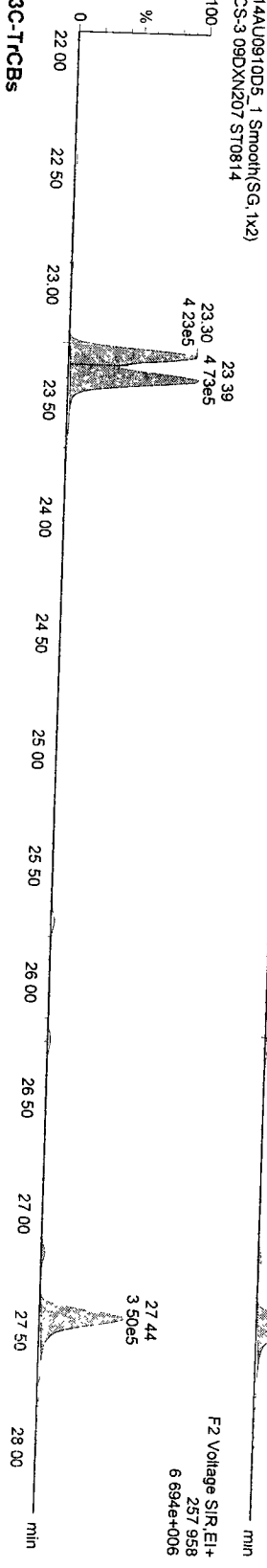
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Page 4 of 85

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207

TCBS

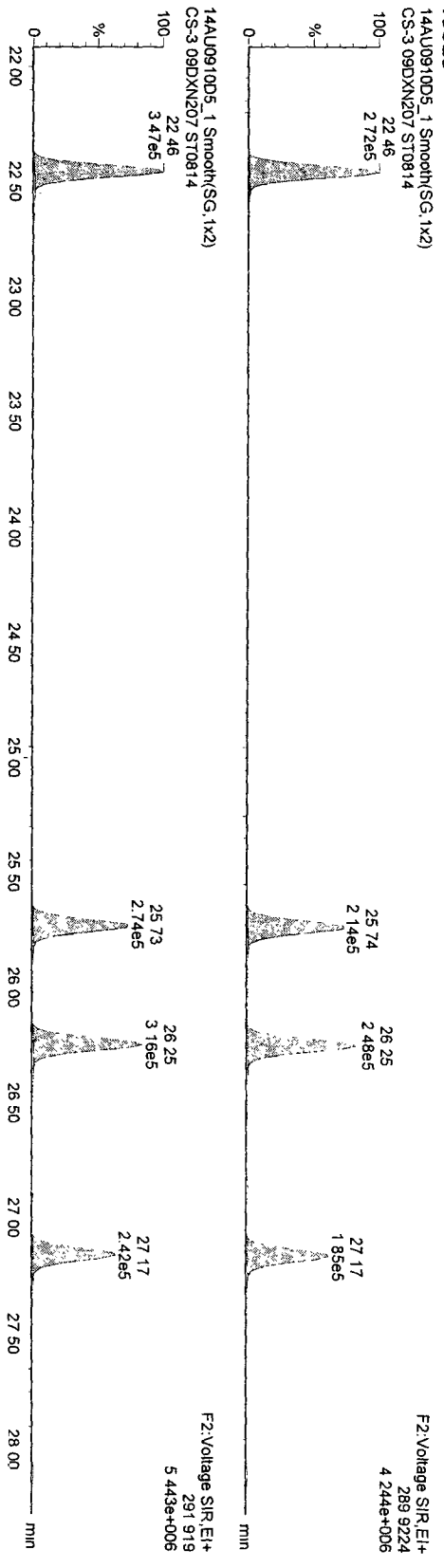


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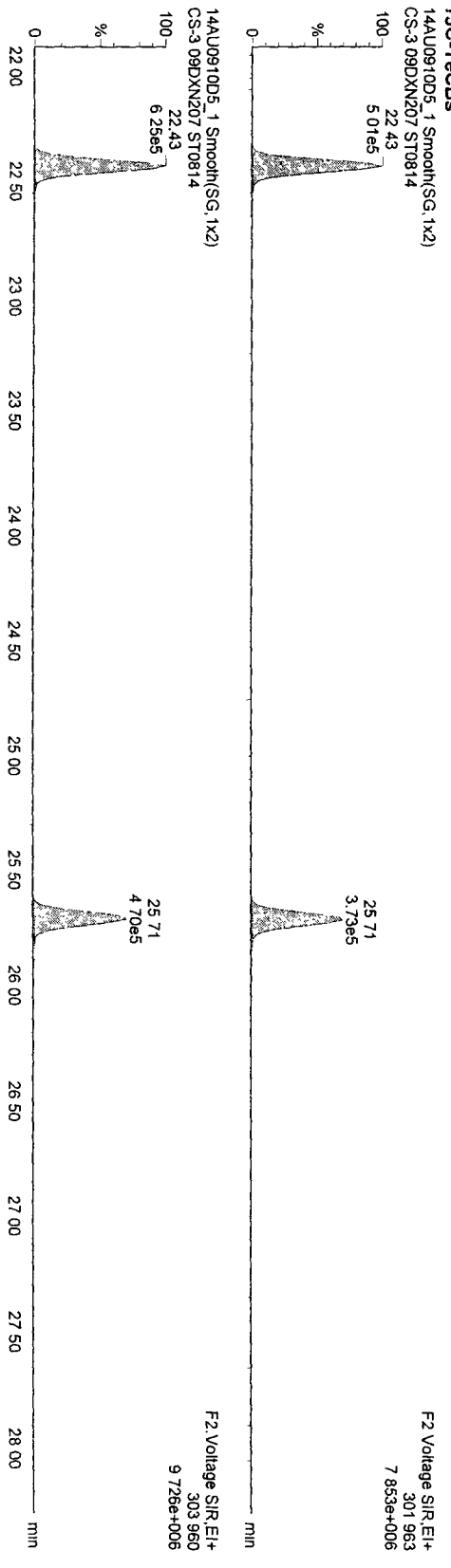
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Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207

**TeCBs**



**13C-TeCBs**

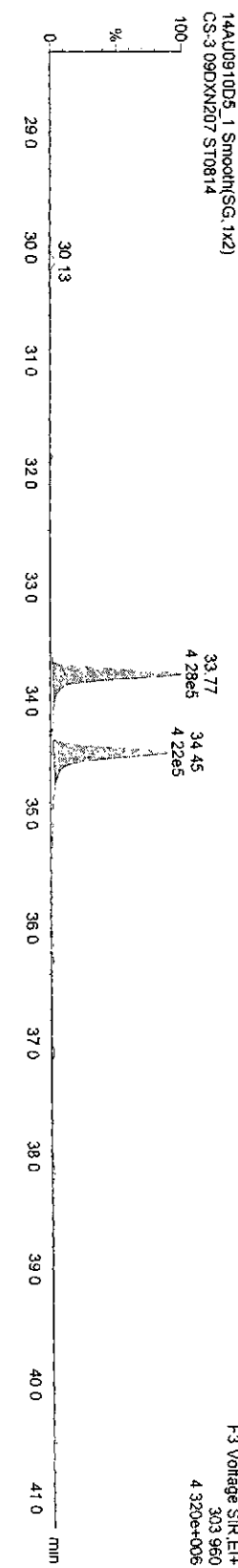
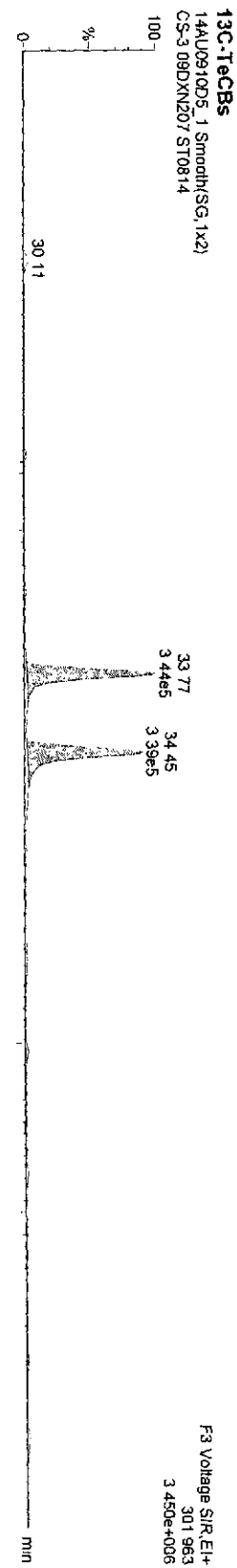
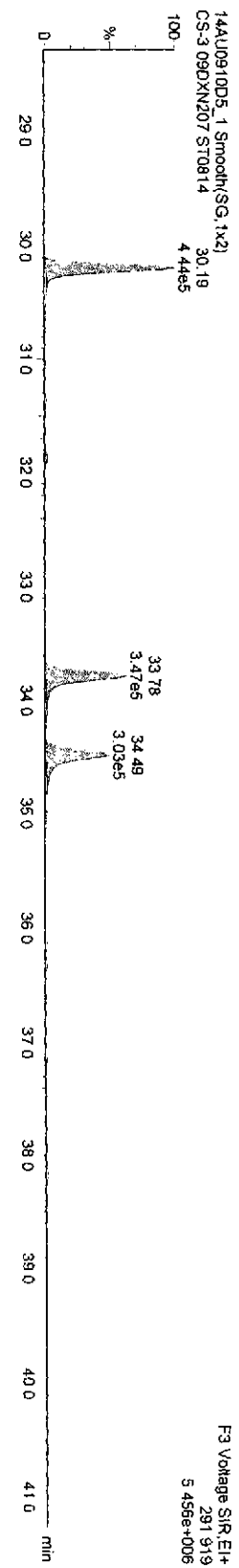
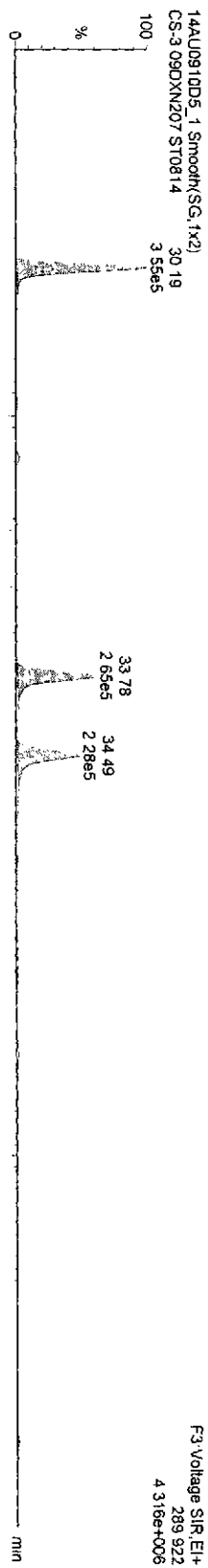


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Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207

TcCBs



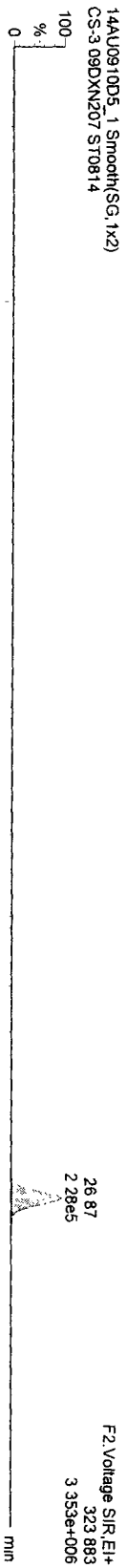
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Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

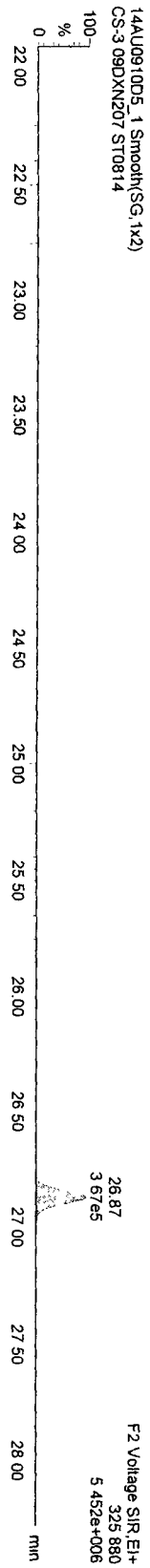
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PeCBS

14AU0910D5\_1 Smooth(SG,1x2)  
CS-3 09DXN207 ST0814

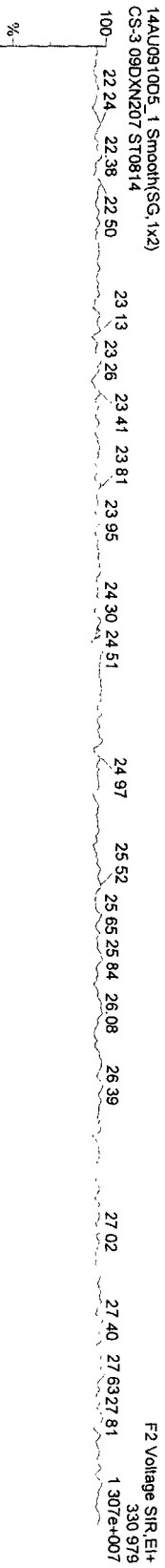


14AU0910D5\_1 Smooth(SG,1x2)  
CS-3 09DXN207 ST0814



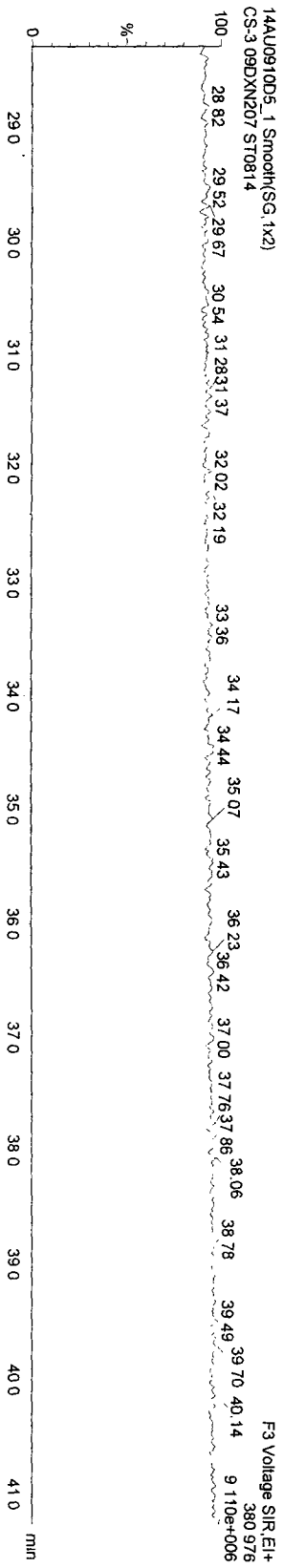
Function 2 PFK

14AU0910D5\_1 Smooth(SG,1x2)  
CS-3 09DXN207 ST0814



Function 3 PFK

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CS-3 09DXN207 ST0814

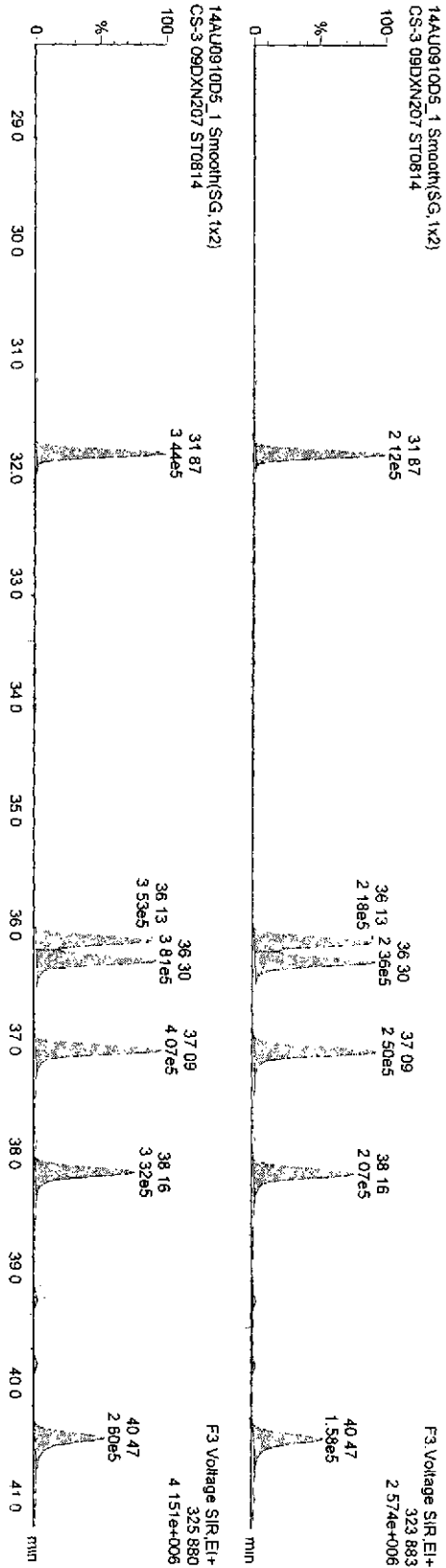


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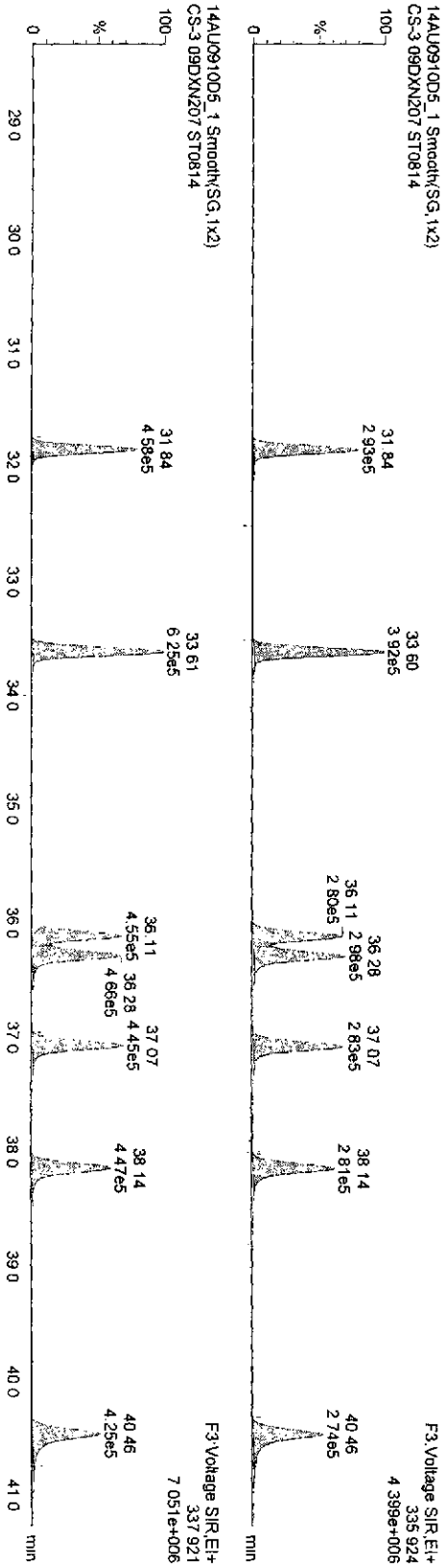
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Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207

**PeCBs**



**13C-PeCBs**

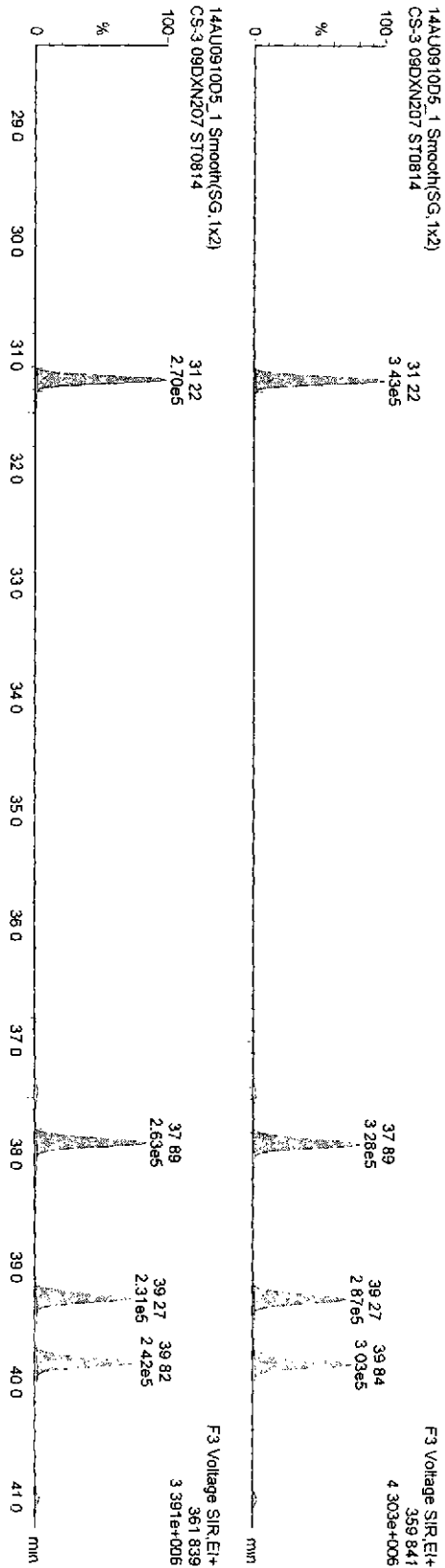


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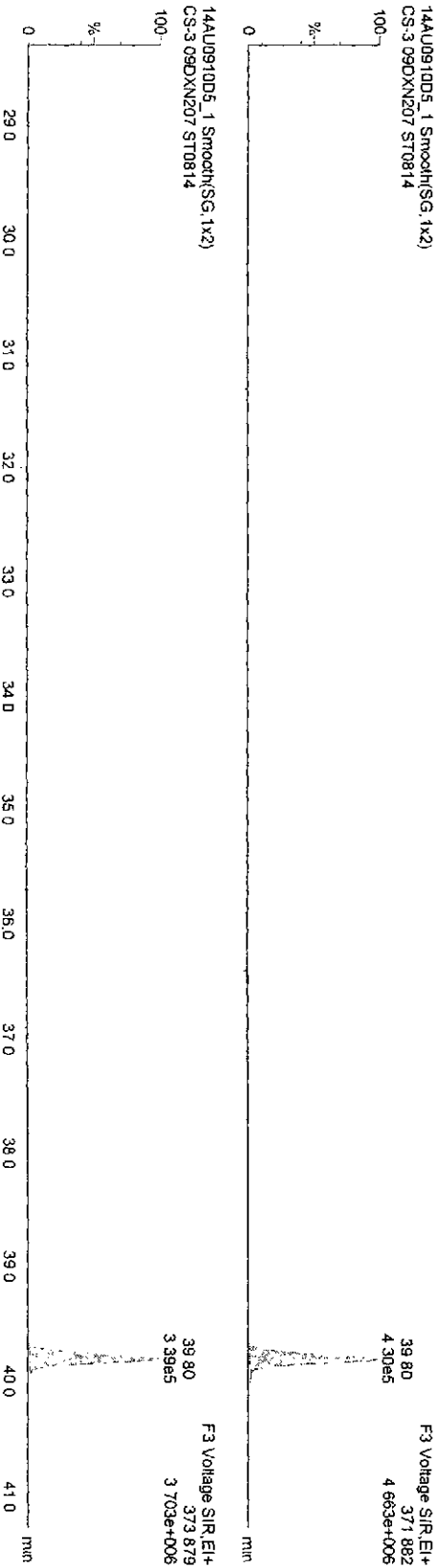
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Name: 14AU0910D5\_1, Date: 14-Aug-2009, Time: 17:53:06, ID: ST0814, Description: CS-3 09DXN207

HxCBs



13C-HxCBs



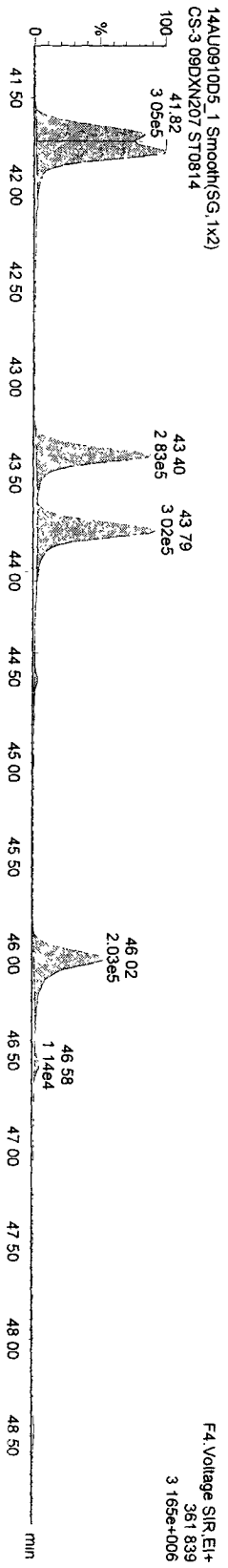
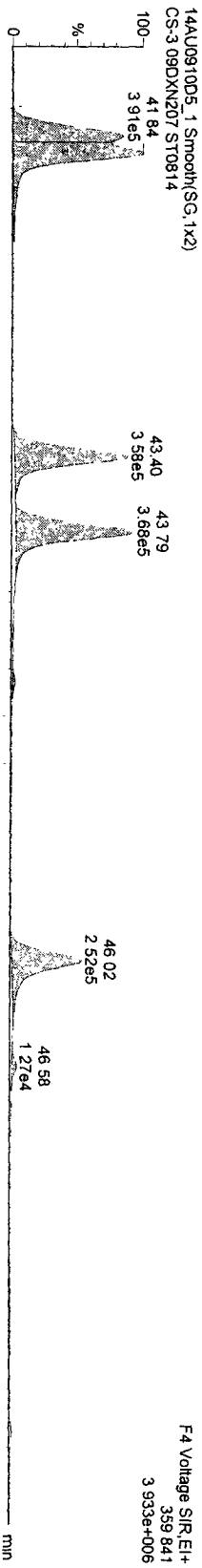


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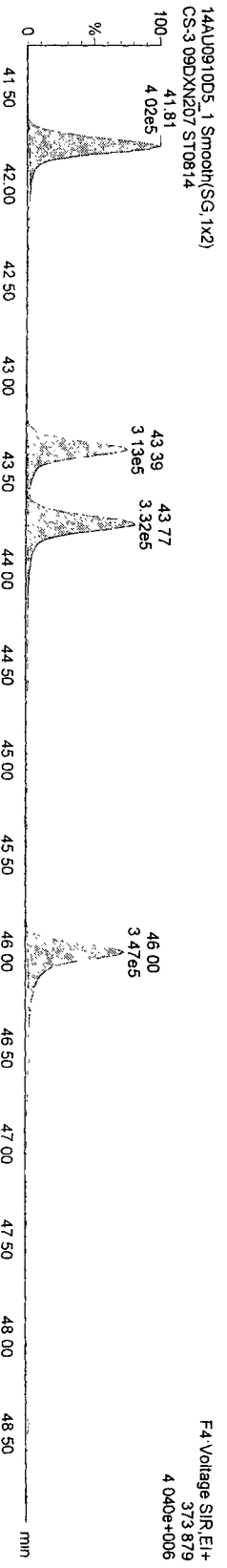
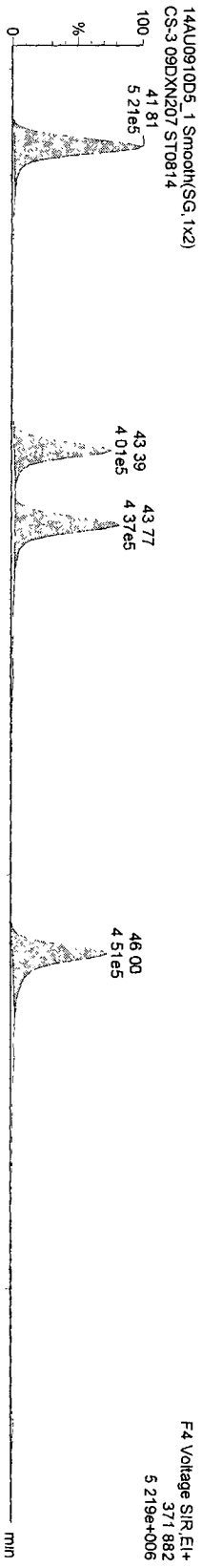
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HxCBS



13C-HxCBS



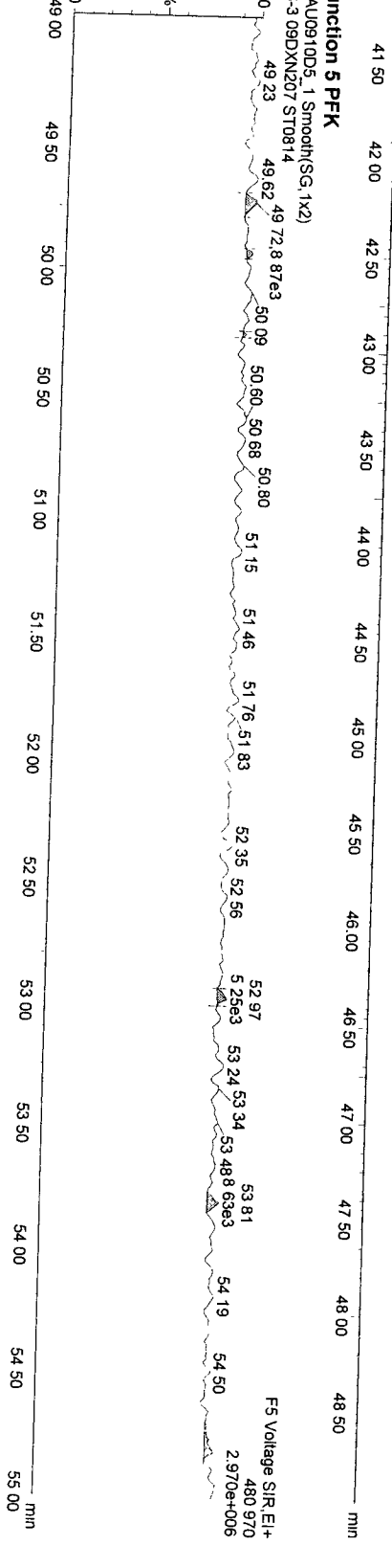
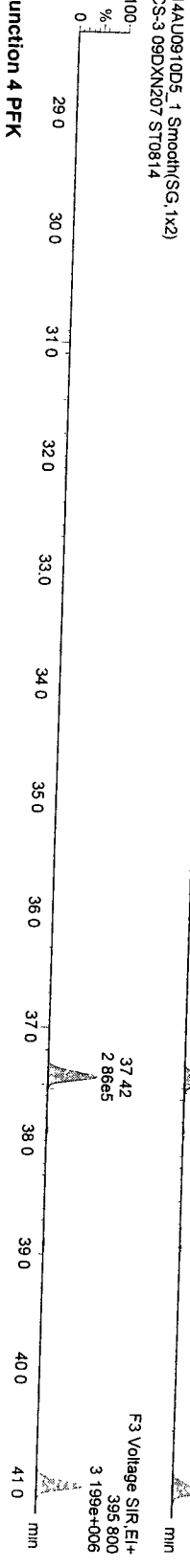
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro1\14AU0910D5\1668M.qld

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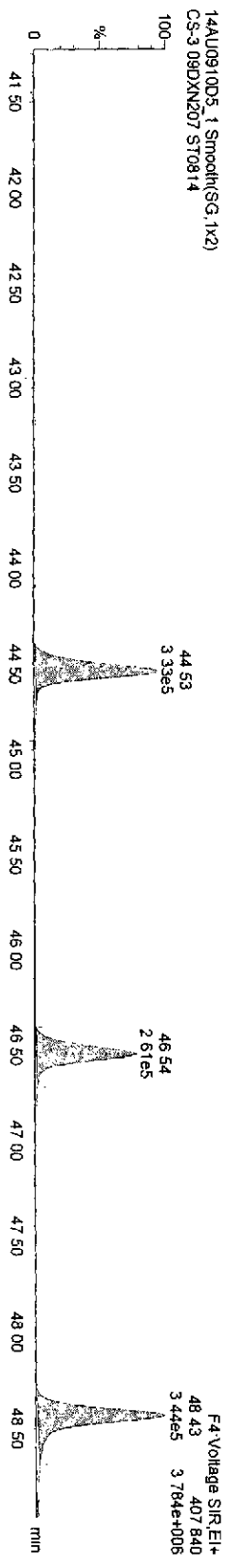
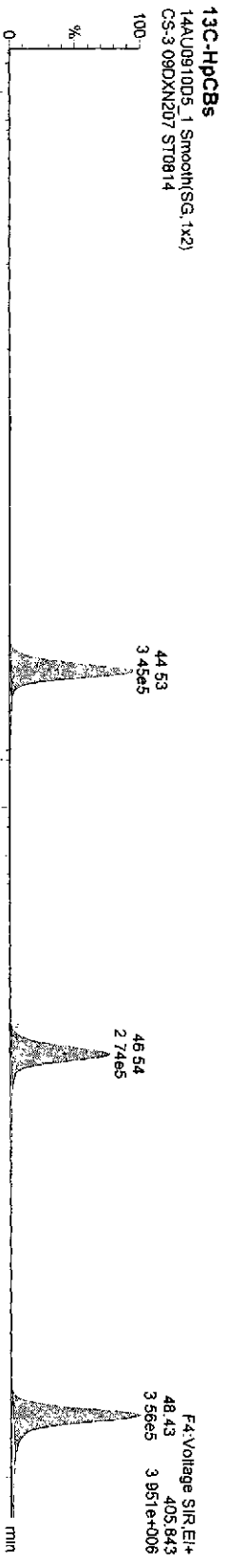
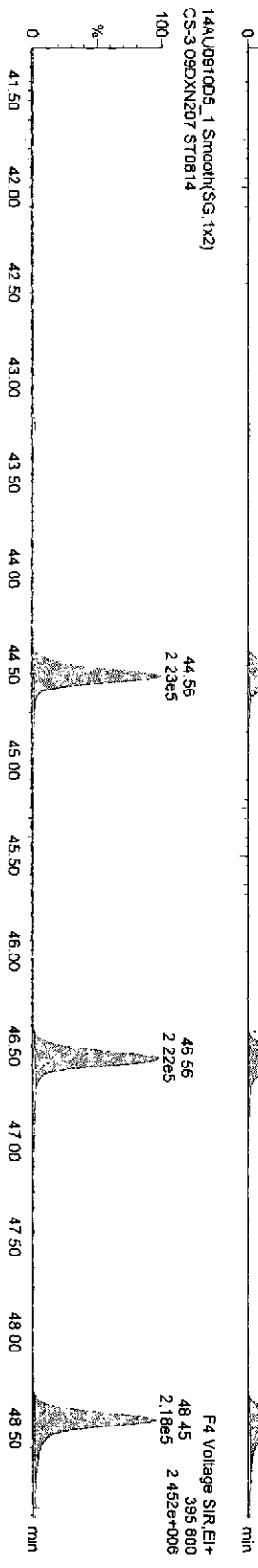
HPCBS



Dataset: C:\MassLynx\Default\pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

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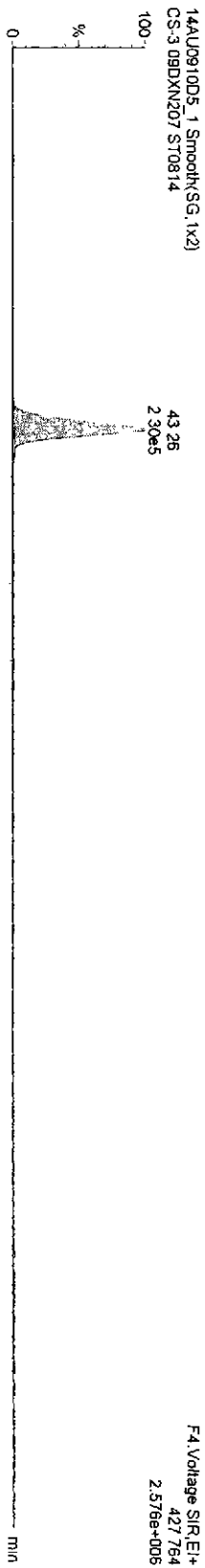
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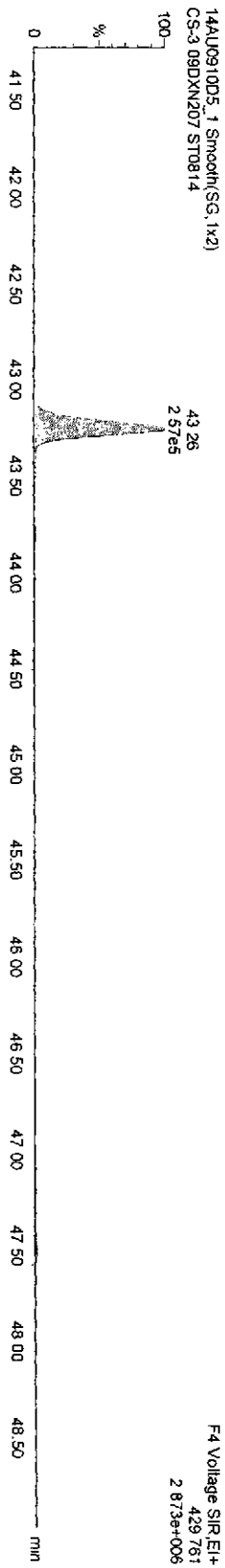
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OcCBs

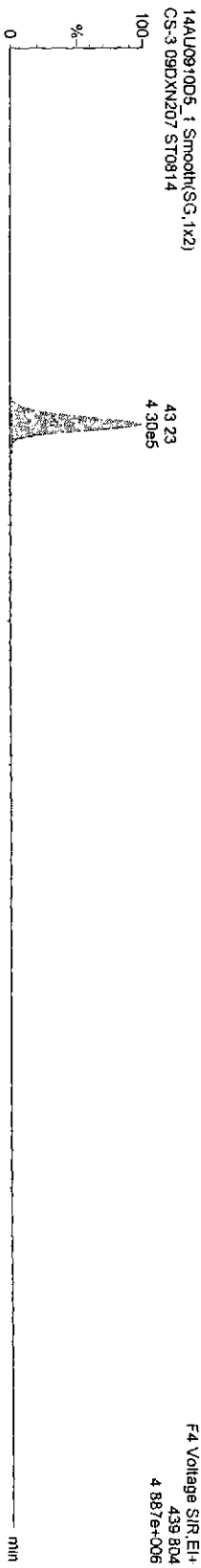
14AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXNZ07 ST0814



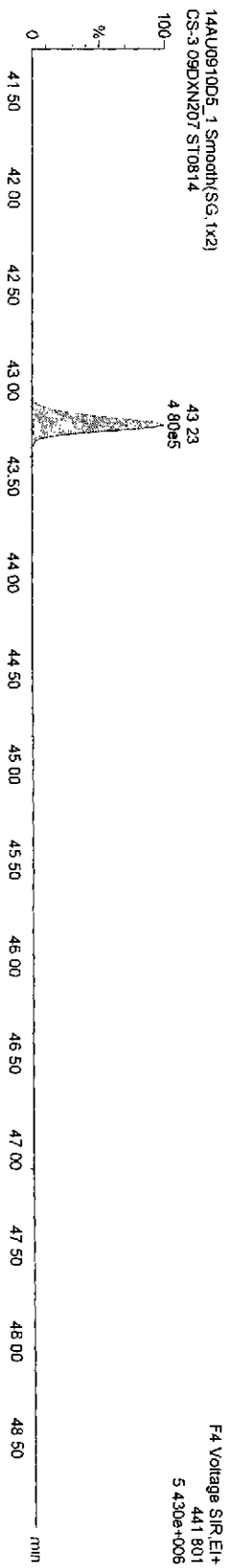
14AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXNZ07 ST0814



14AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXNZ07 ST0814



14AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXNZ07 ST0814



F4 Voltage SIR.EI+  
441.801  
5.430e+006

F4 Voltage SIR.EI+  
439.804  
4.887e+006

F4 Voltage SIR.EI+  
429.761  
2.873e+006

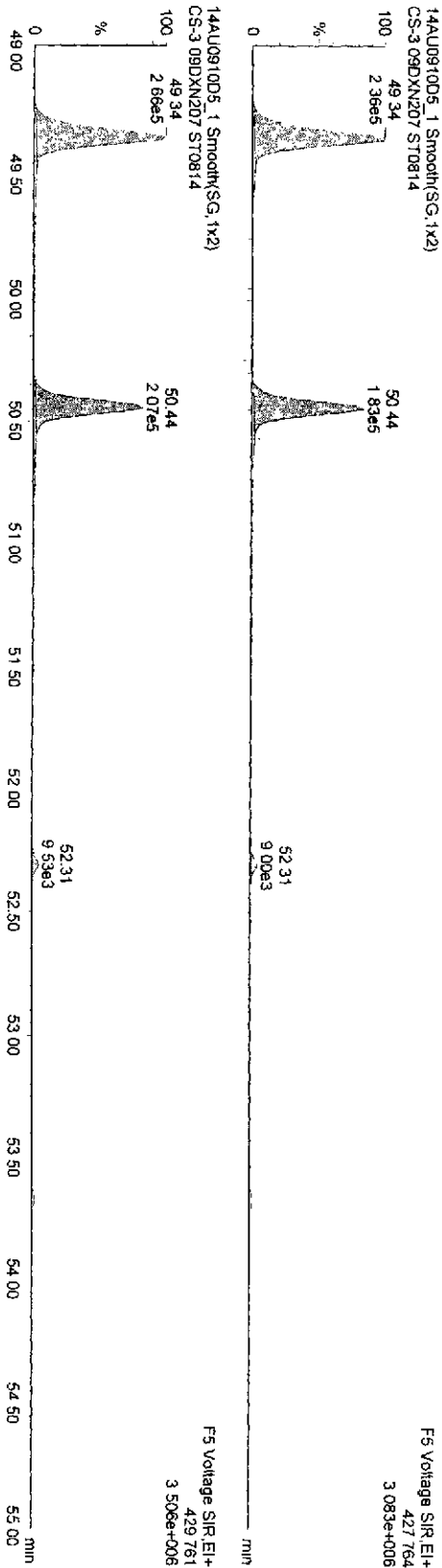
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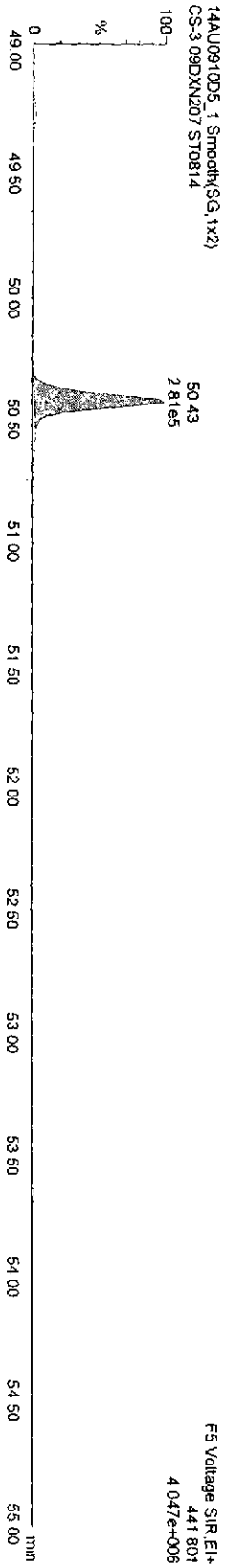
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Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

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OcCBs



13C-OcCBs



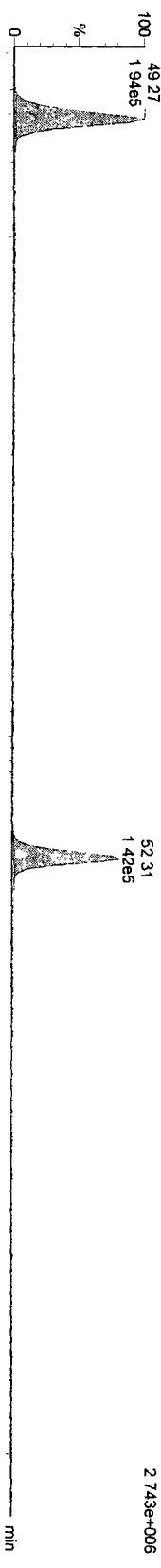
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NoCBs

14AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0814

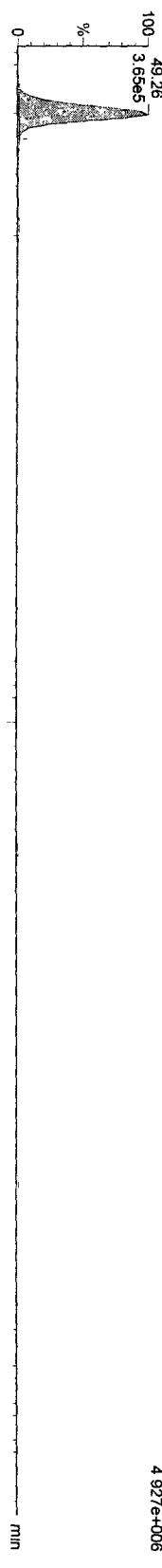


14AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0814



13C-NoCBs

14AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0814



14AU0910D5\_1 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0814



Dataset: C:\MassLynx\Default pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

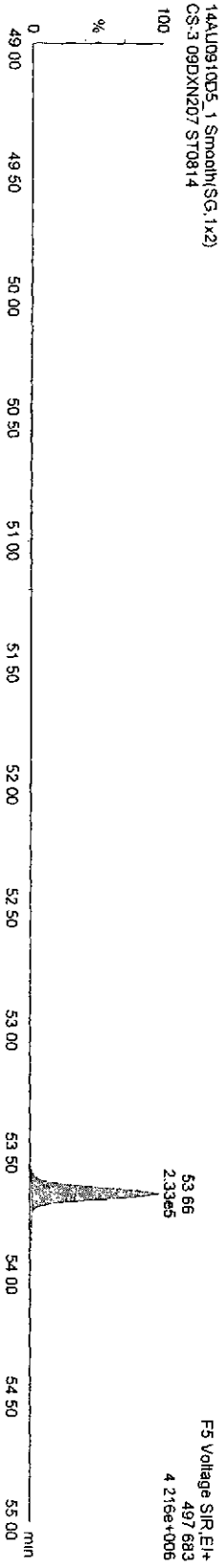
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DecB-209

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CS-3 09DXN207 ST0814

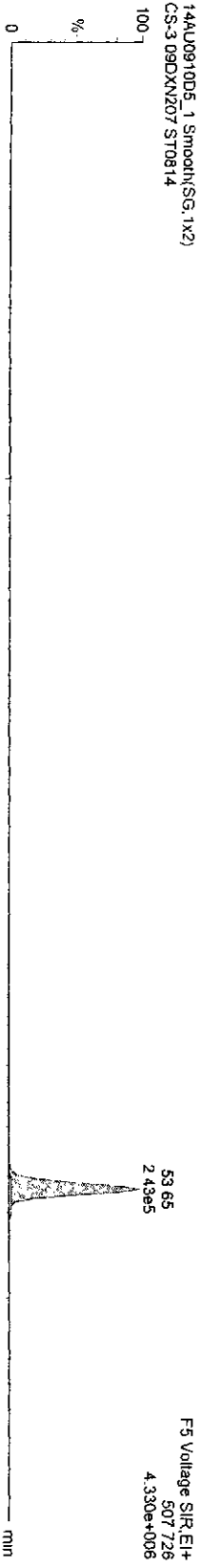


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CS-3 09DXN207 ST0814

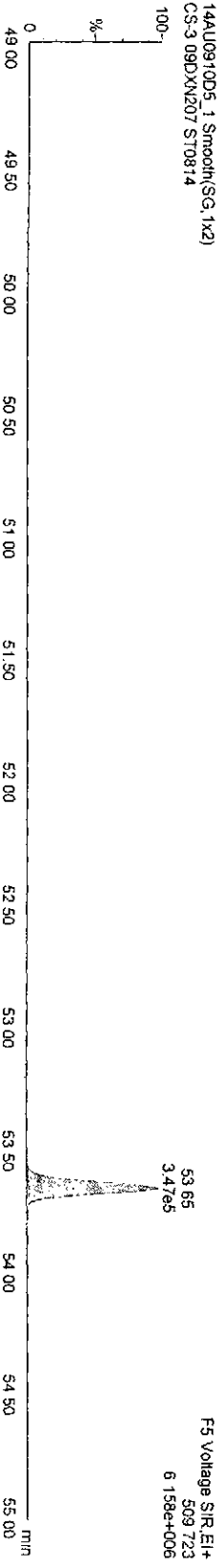


13C-DecB-209

14AU0910D5\_1 Smooth(SG,1x2)  
CS-3 09DXN207 ST0814



14AU0910D5\_1 Smooth(SG,1x2)  
CS-3 09DXN207 ST0814

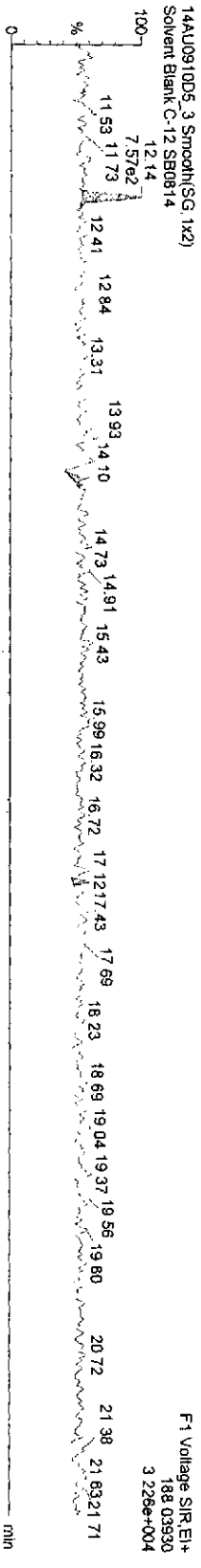


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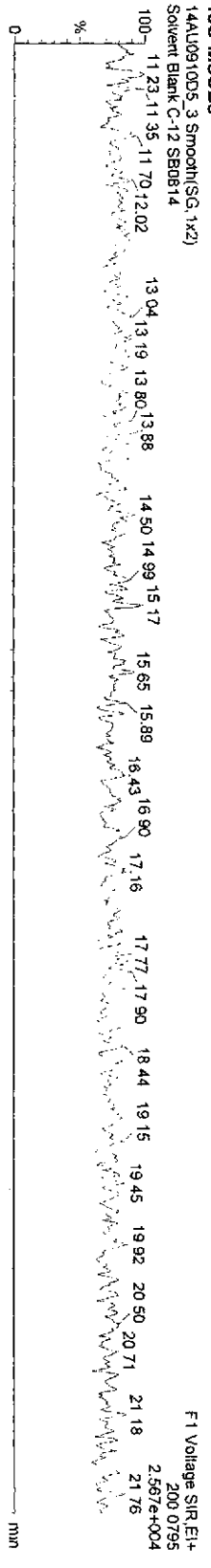
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Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

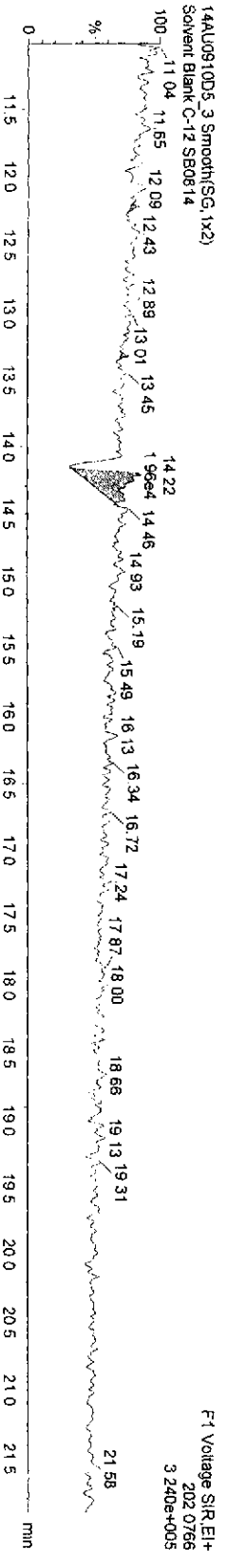
MoCBS



13C-MoCBS



14AU0910D5\_3



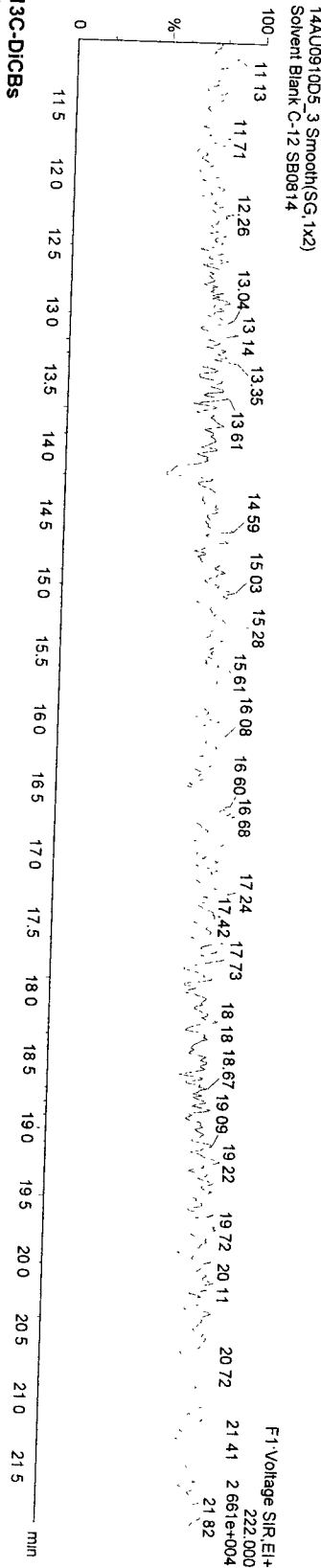


Dataset: C:\MassLynx\Default\pro1\14AU0910D5\1668M.qld

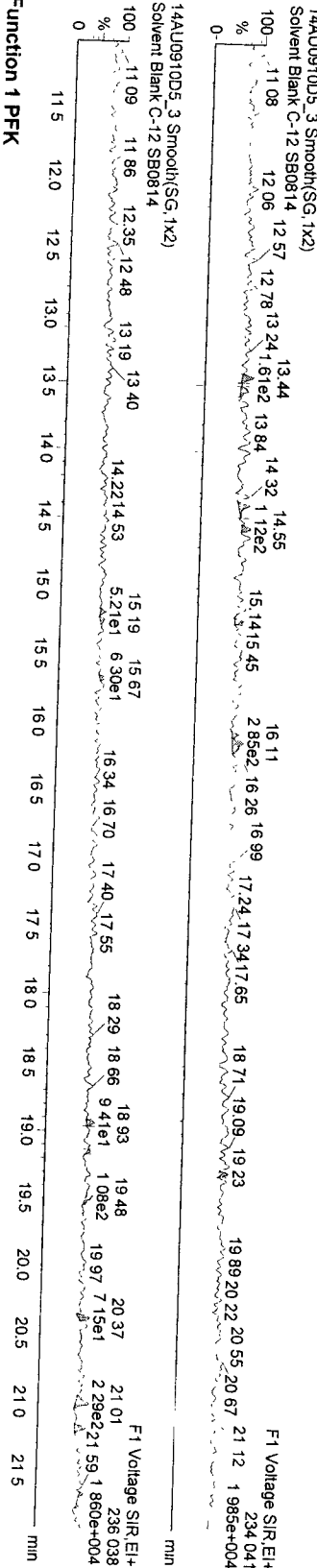
Last Altered Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

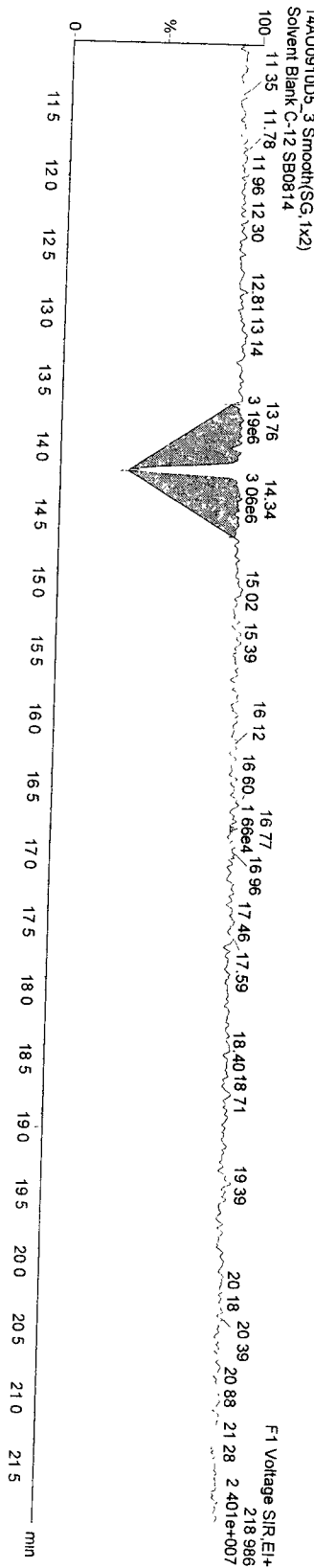
DICBS



13C-DICBS



Function 1 PFK

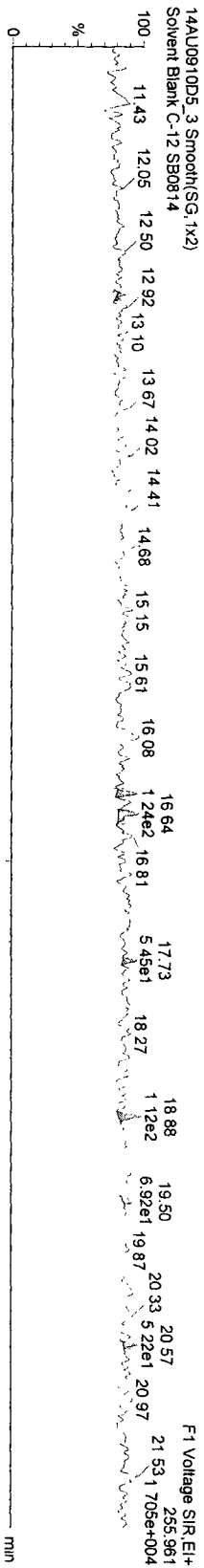


Dataset: C:\MassLynx\Default\pro1\14AU0910D51668M.qld

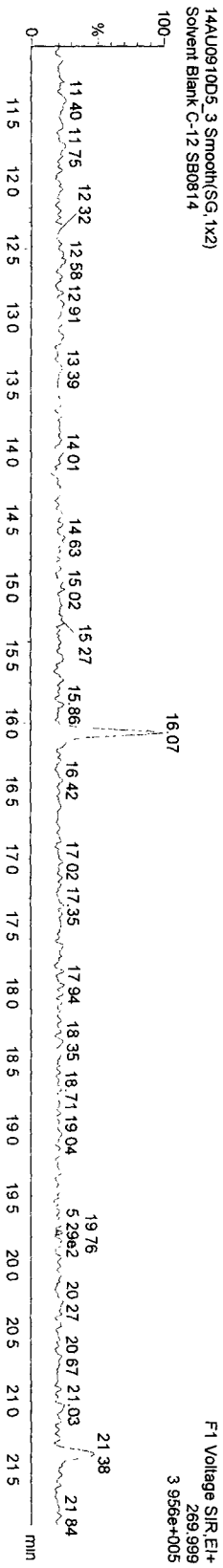
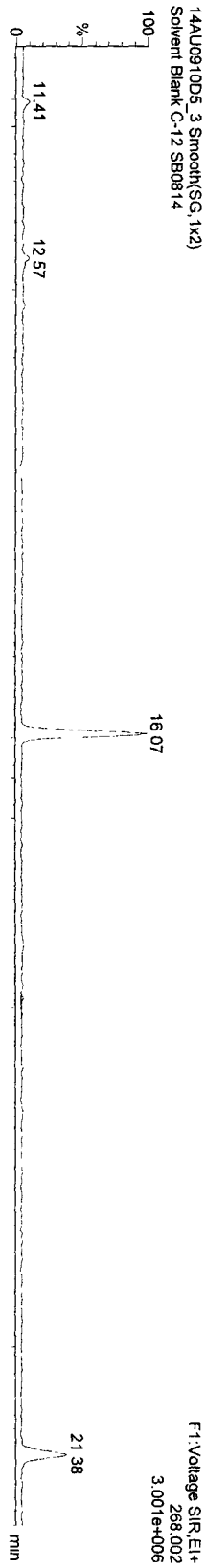
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

TICBS



13C-TICBS

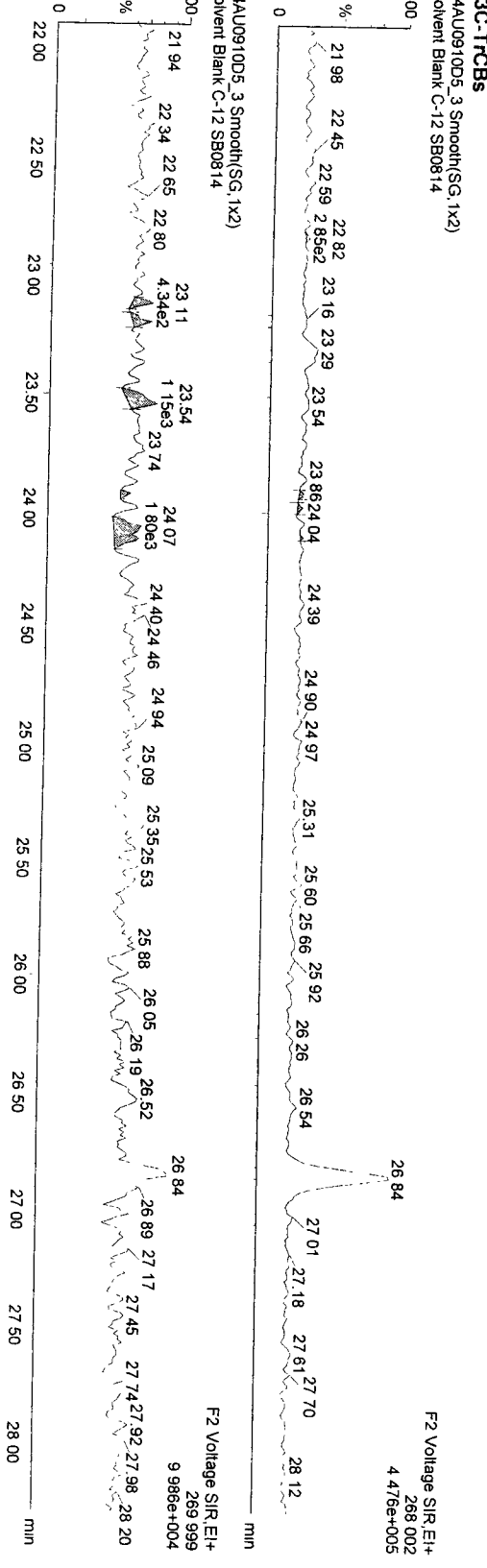
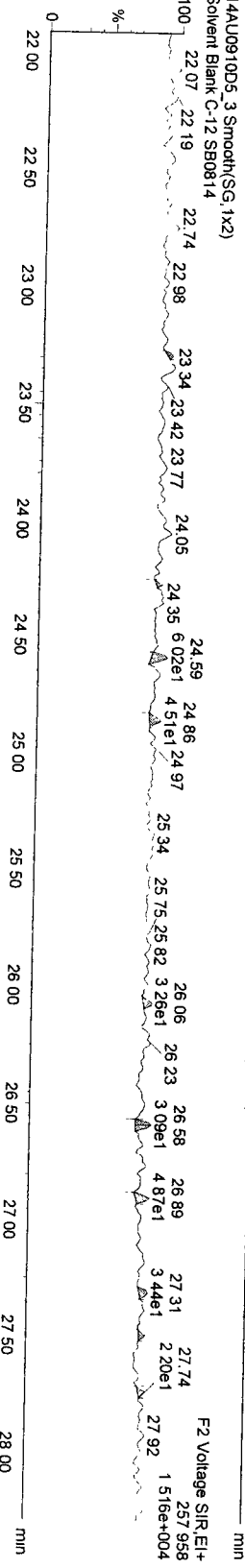
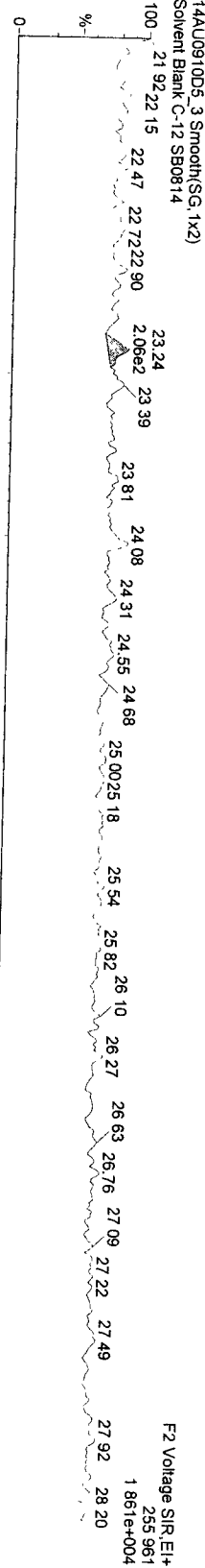


Dataset: C:\Masslynx\Default.pro\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

TCBs

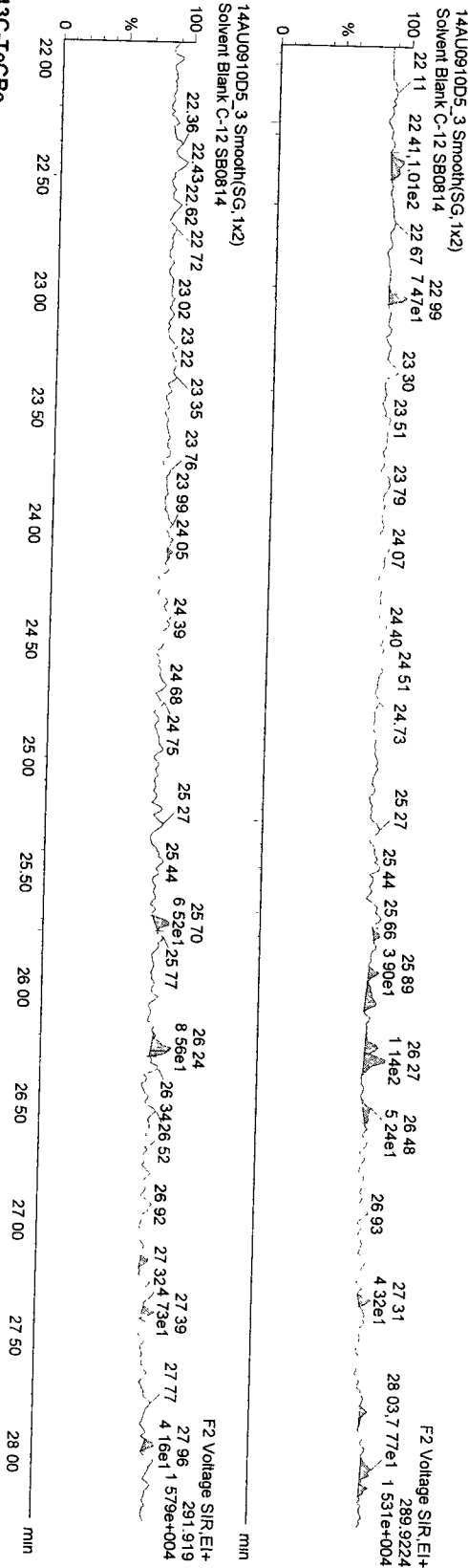


Dataset: C:\MassLynx\Default\prot\14AU0910D51668M.qld

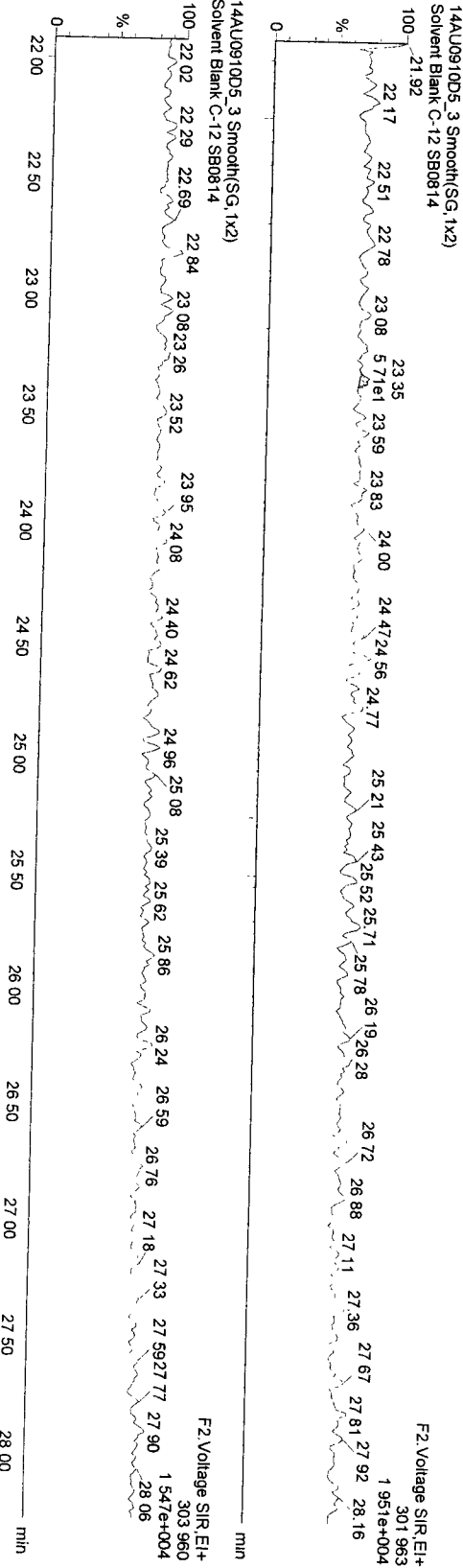
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

**TeCBs**



**13C-TeCBs**



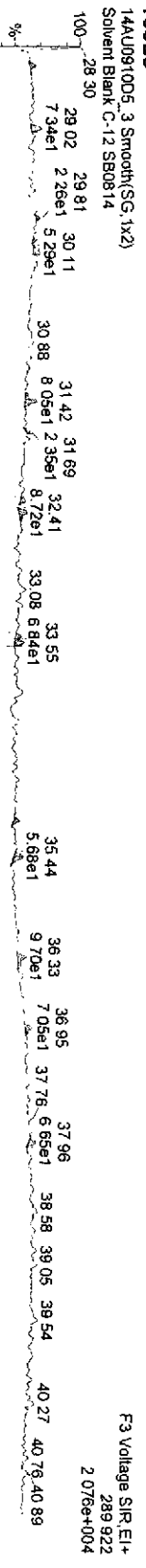
Dataset: C:\MassLynx\Default\proj\14AU0910D51688M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time

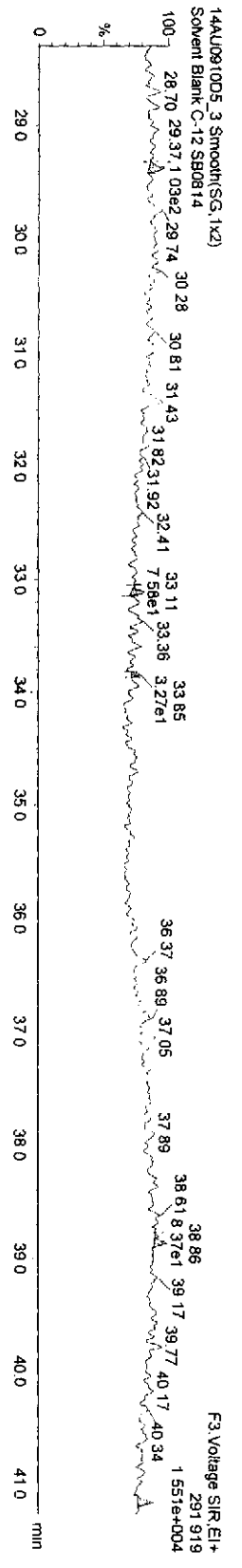
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

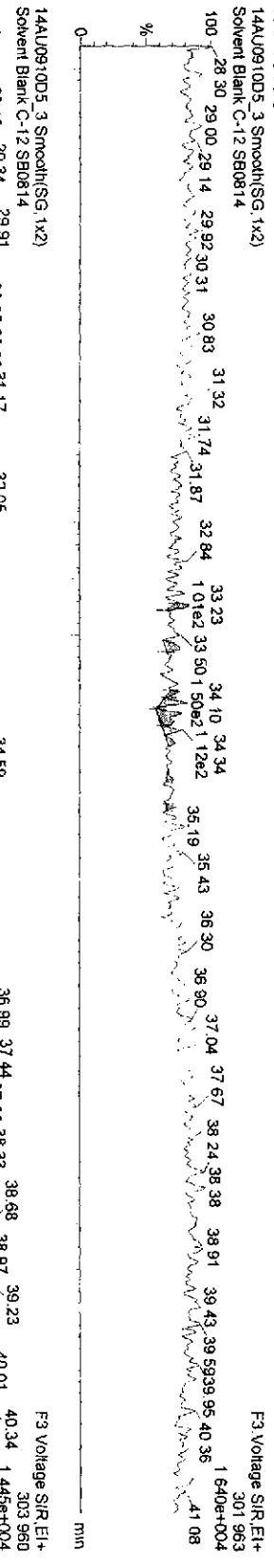
TeCBs



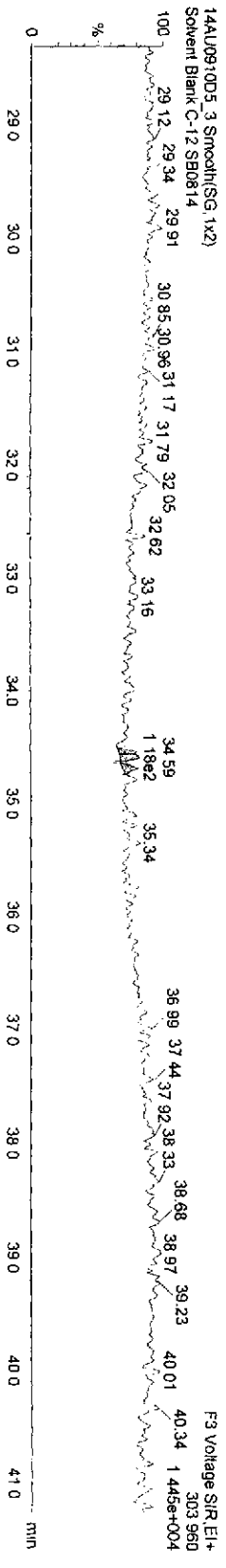
13C-TeCBs



13C-TeCBs



13C-TeCBs



Quantify Sample Report MassLynx 4.1

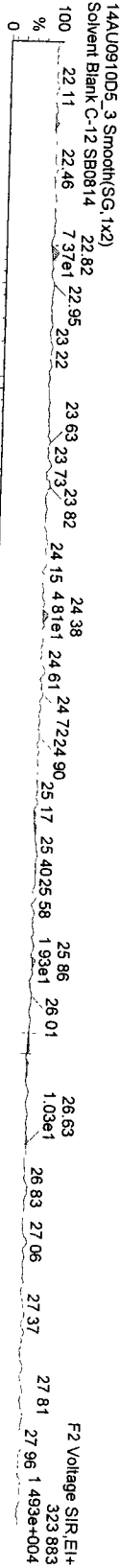
Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Page 24 of 85

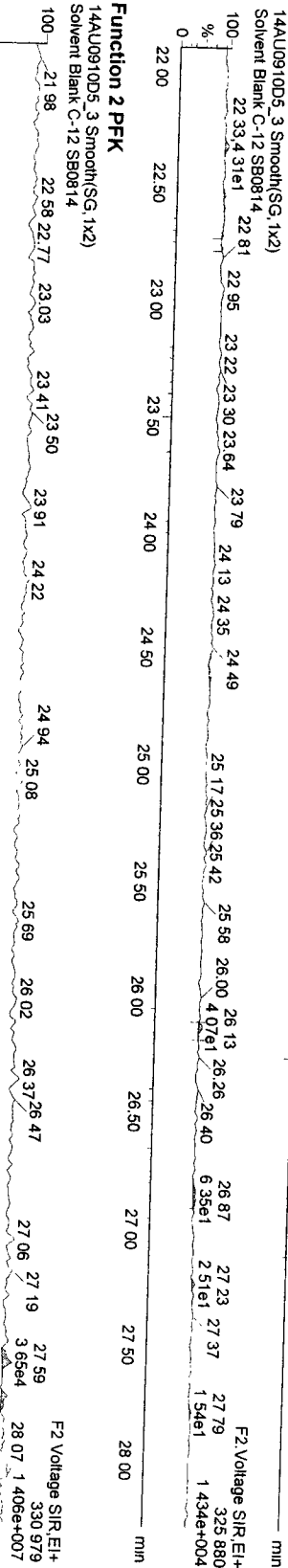
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

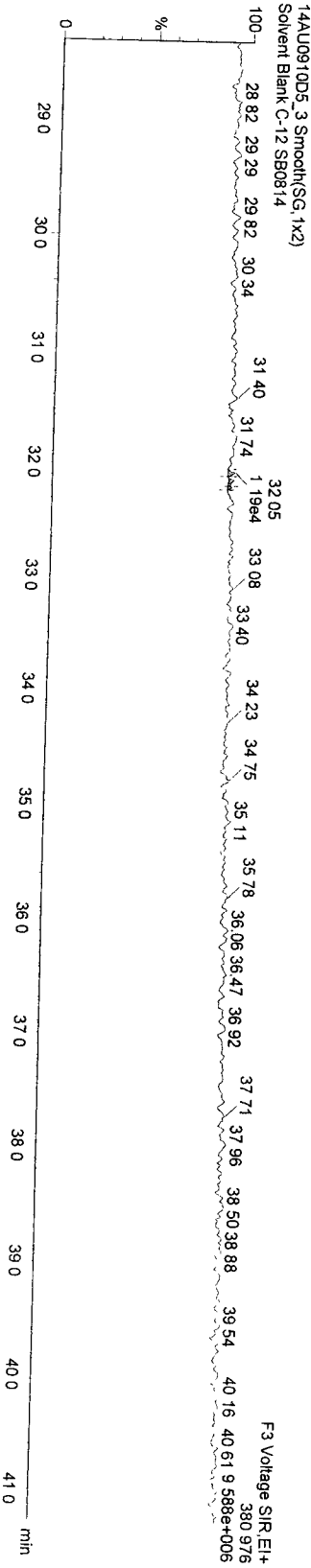
PeCBs



Function 2 PFK



Function 3 PFK

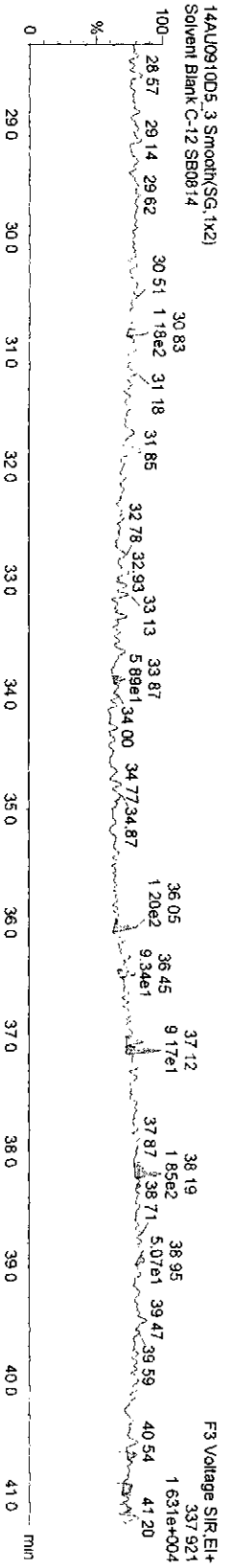
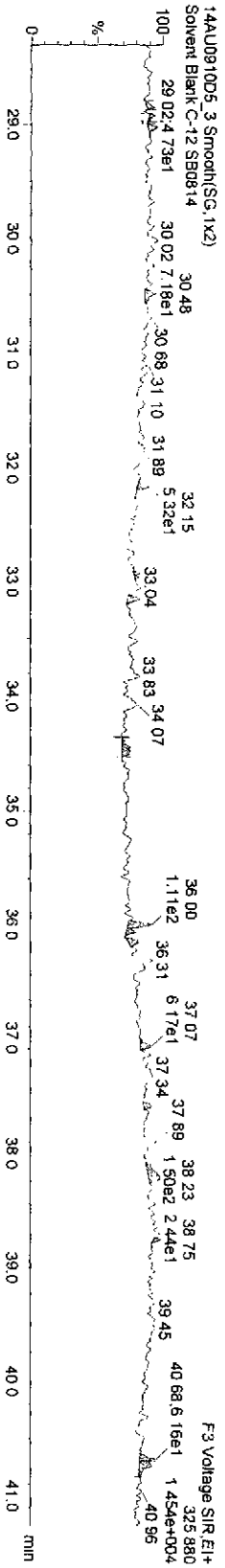
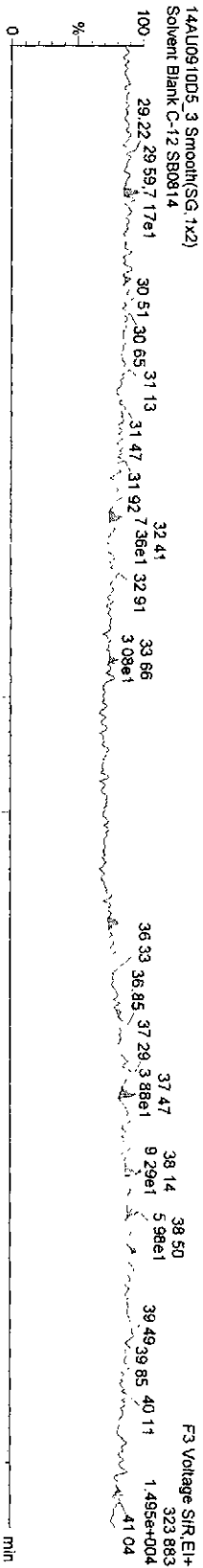


Dataset: C:\MassLynx\Default\prot\14AU0910D51668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

**Peaks**

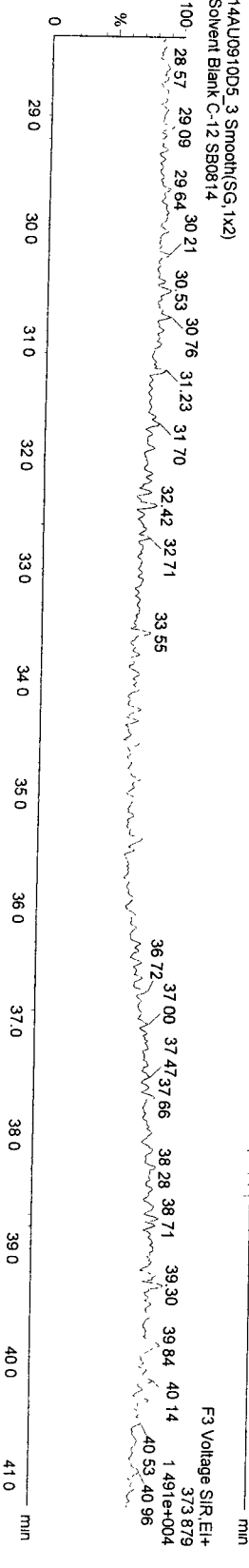
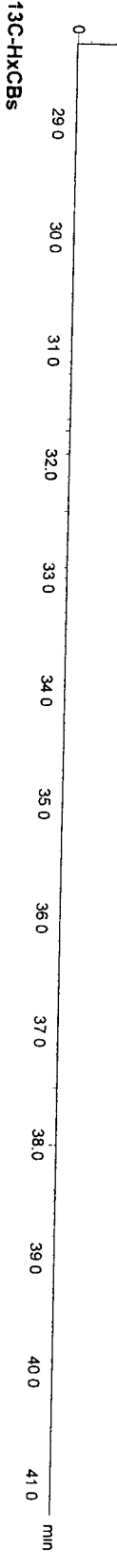
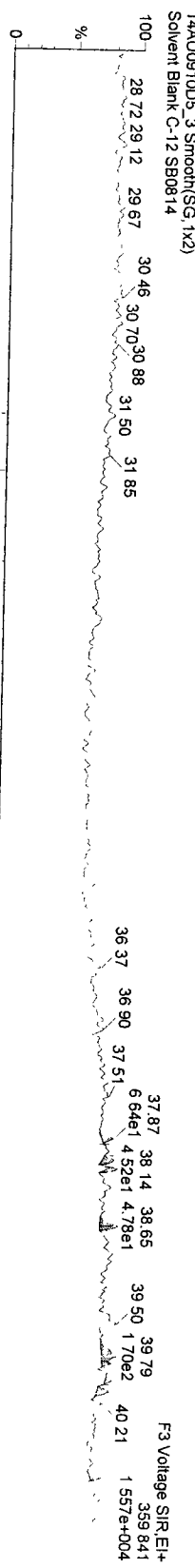


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro1\14AU0910D5\1668M.qld  
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

HxCBs





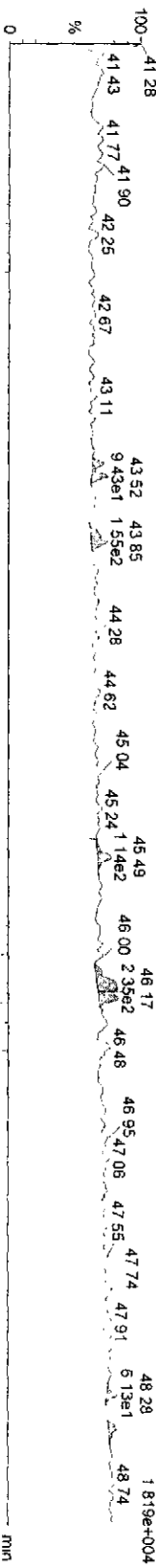
Dataset: C:\Masslynx\Default\proj\14AU0910D5\1669M.qtd

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

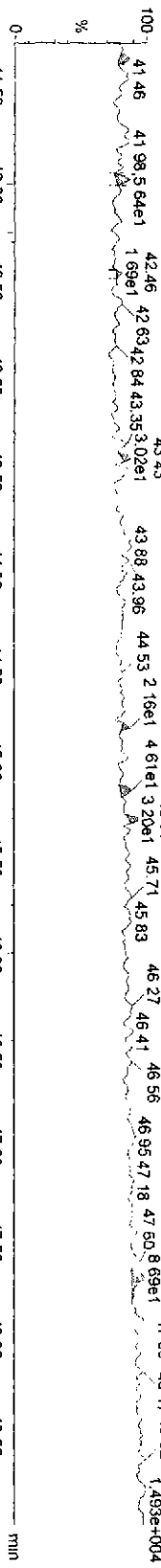
Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

HxCBs

14AU0910D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0814

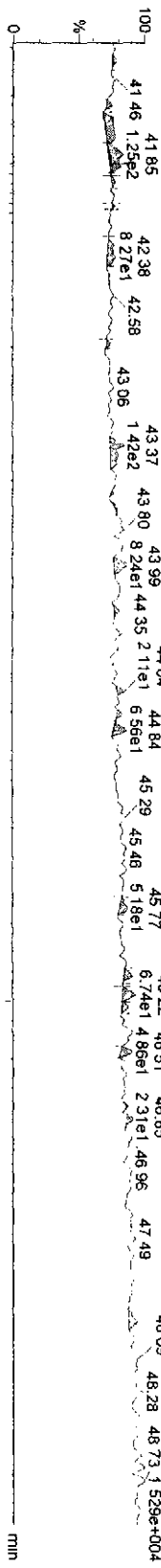


14AU0910D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0814

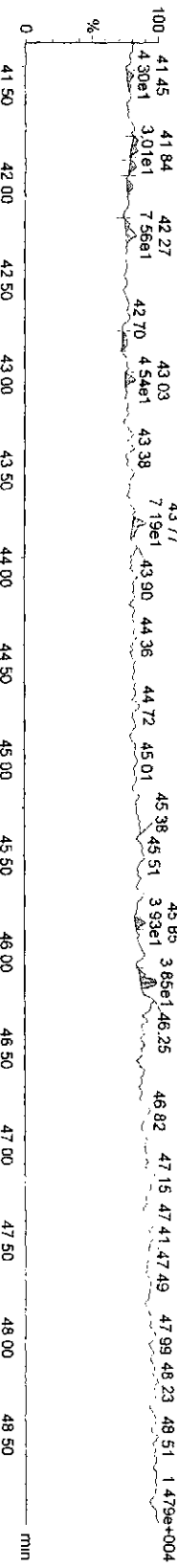


13C-HxCBs

14AU0910D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0814



14AU0910D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0814



Dataset: C:\Masslynx\Default\proj\14AU0910D5\1668M.qld

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

**HPCBs**

14AU0910D5_3 Smooth(SG, 1x2)	Solvent Blank C-12 SB0814	100	28.5528	63.29	35.29	54.30	71.31	00.31	47.32	47.32	29.32	75.36	77.37	20.67	77.67	64.37	91.37	91.38	56.38	85.39	42.39	60.40	05.40	05.14	75e+004	

14AU0910D5_3 Smooth(SG, 1x2)	Solvent Blank C-12 SB0814	100	29.02	3.85e1	29.77	30.07	30.68	30.96	31.85	5.44e1	31.85	32.29	32.47	7.05e1	36.77	37.20	37.64	6.77e1	37.91	38.56	38.85	39.42	39.60	40.05	1.475e+004	

14AU0910D5_3 Smooth(SG, 1x2)	Solvent Blank C-12 SB0814	100	29.02	3.85e1	29.77	30.07	30.68	30.96	31.85	5.44e1	31.85	32.29	32.47	7.05e1	36.77	37.20	37.64	6.77e1	37.91	38.56	38.85	39.42	39.60	40.05	1.475e+004	

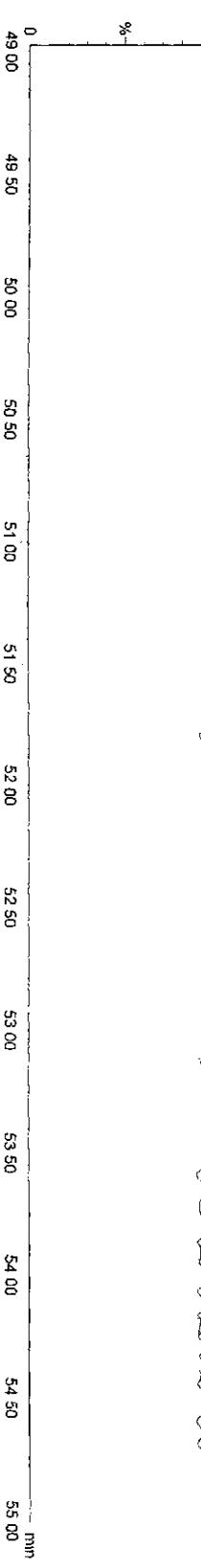
**Function 4 PFK**

14AU0910D5_3 Smooth(SG, 1x2)	Solvent Blank C-12 SB0814	100	41.56	41.74	42.18	8.39e3	42.47	42.90	43.04	43.28	43.42	43.79	44.10	44.42	44.81	44.93	45.44	45.83	46.34	46.47	46.82	47.13	47.33	47.83	7.05e3	48.22	48.42	9.134e+006

14AU0910D5_3 Smooth(SG, 1x2)	Solvent Blank C-12 SB0814	100	49.09	49.40	49.51	49.70	4.51e3	50.15	50.33	50.71	50.81	51.21	51.74	51.84	52.14	52.31	52.72	52.90	5.89e3	53.10	53.47	53.82	3.36e3	54.22	54.55	54.82	3.270e+006

**Function 5 PFK**

14AU0910D5_3 Smooth(SG, 1x2)	Solvent Blank C-12 SB0814	100	49.09	49.40	49.51	49.70	4.51e3	50.15	50.33	50.71	50.81	51.21	51.74	51.84	52.14	52.31	52.72	52.90	5.89e3	53.10	53.47	53.82	3.36e3	54.22	54.55	54.82	3.270e+006

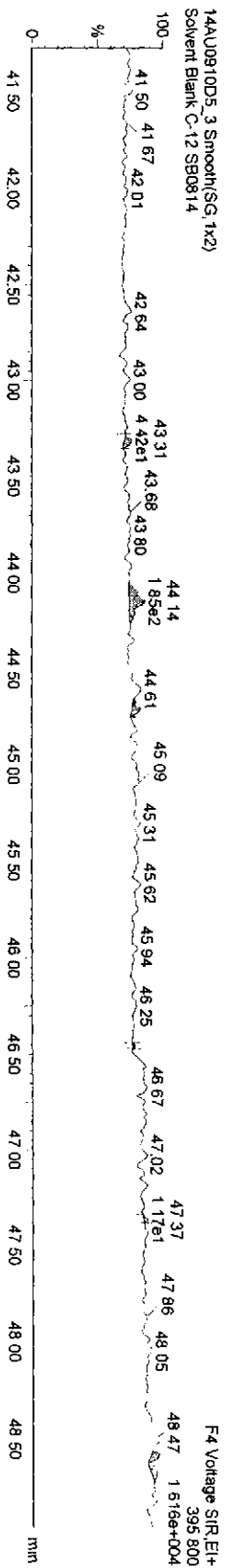
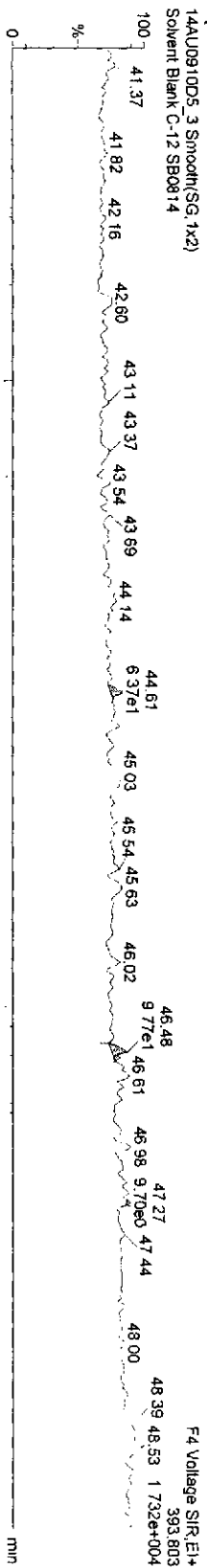


Dataset: C:\MassLynx\Default\proj\14AU0910D51668M.qld

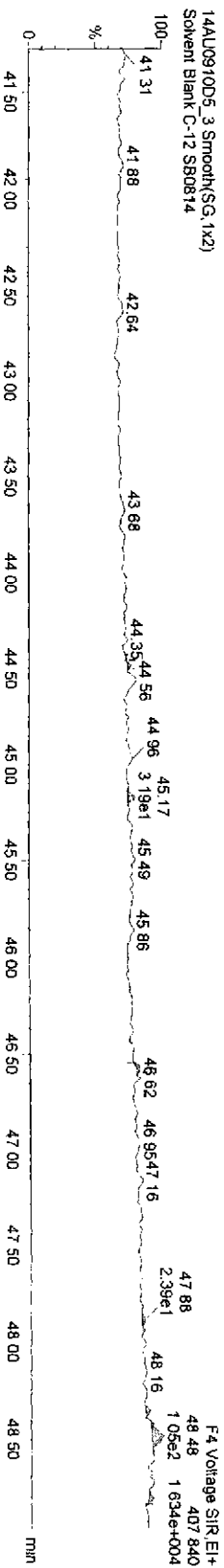
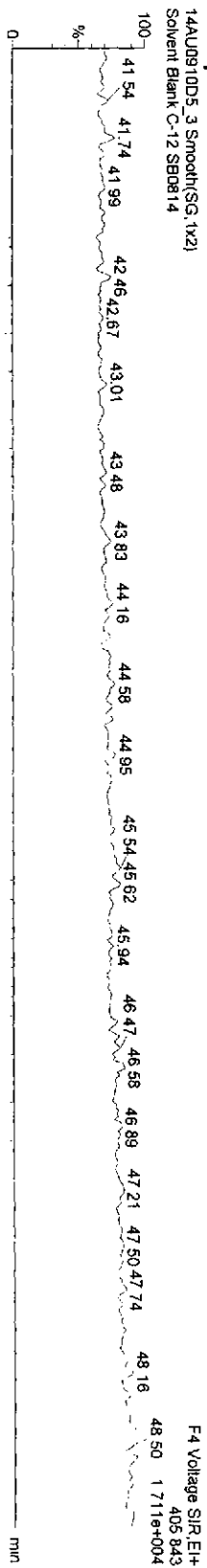
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

**HPCBs**



**13C-HPCBs**

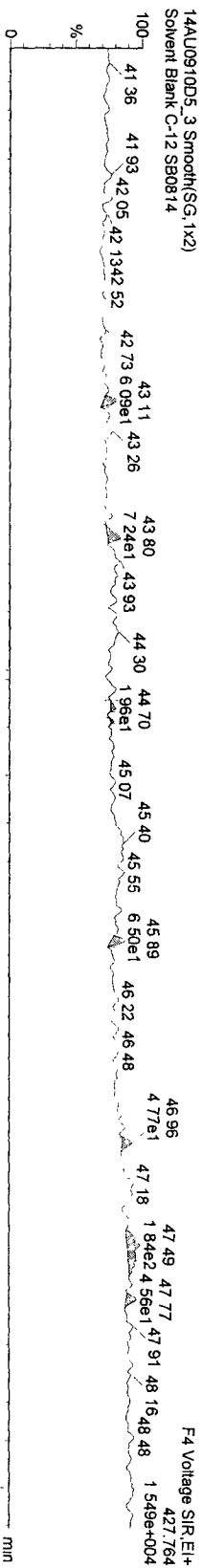


Dataset: C:\MassLynx\Default\proj\14AU0910D5\1668M.qld

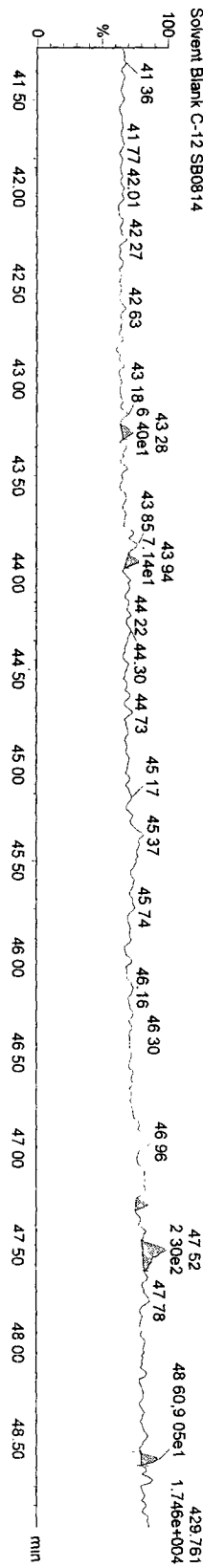
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

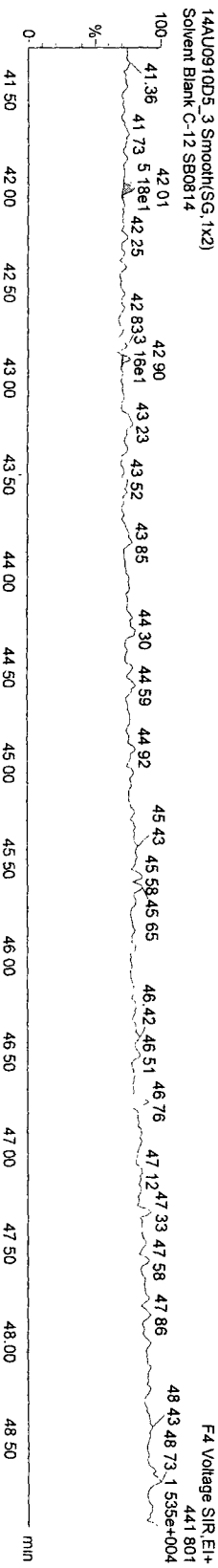
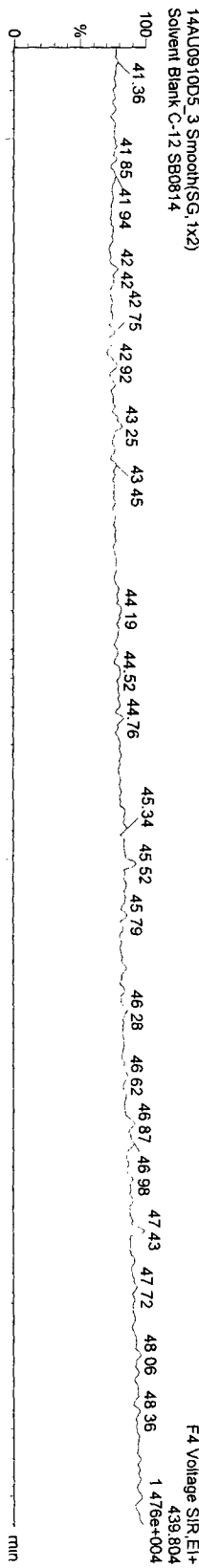
OcCBs



13C-OcCBs



13C-OcCBs



Quantity Sample Report MassLynx 4.1

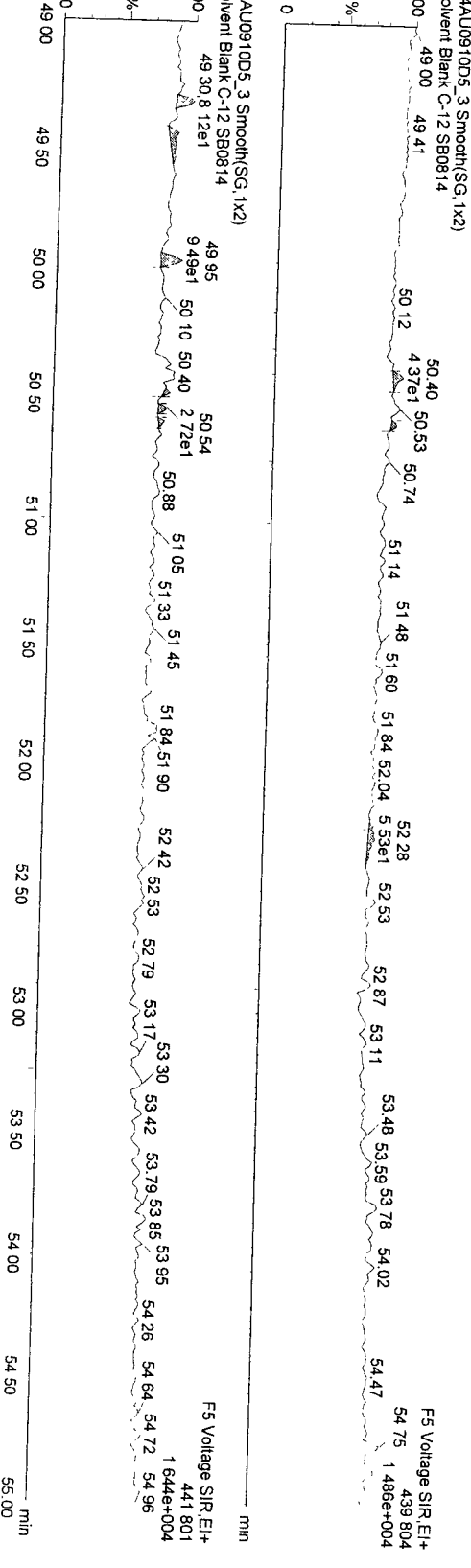
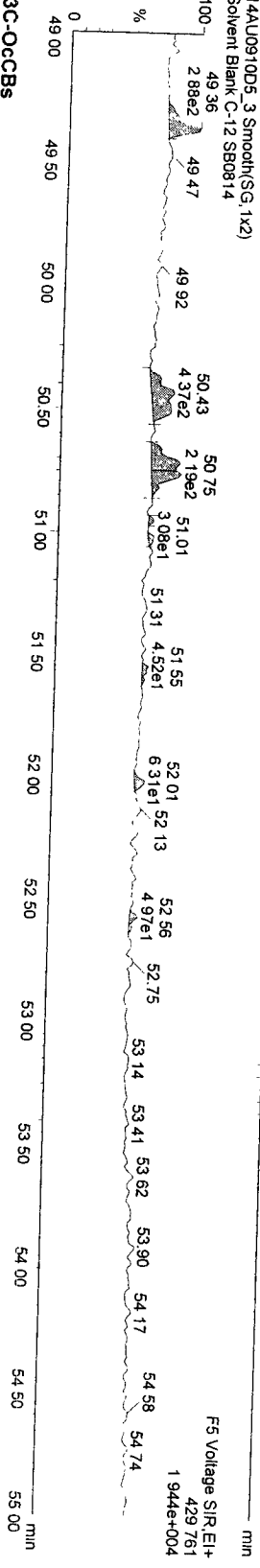
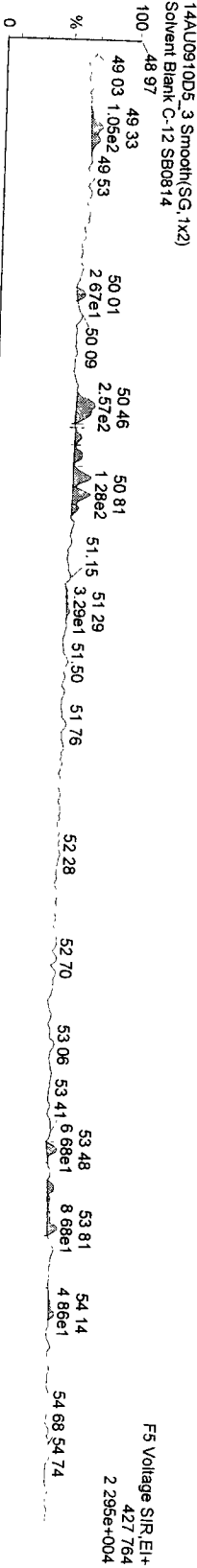
Dataset: C:\MassLynx\Default.pro\14AU0910D51668M.qld

Page 31 of 85

Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

OcCBs

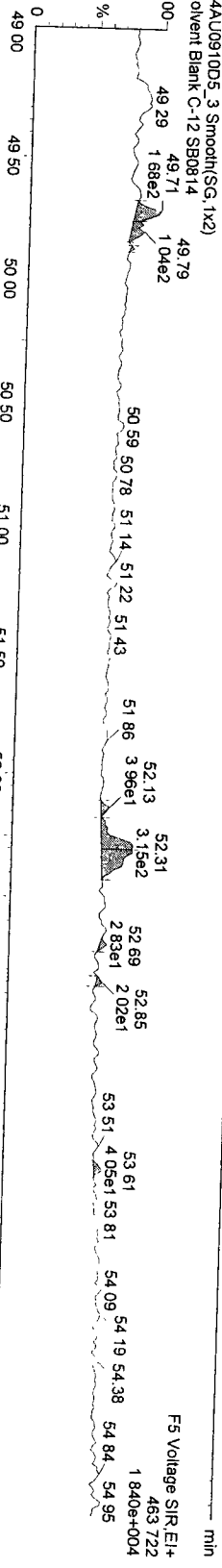
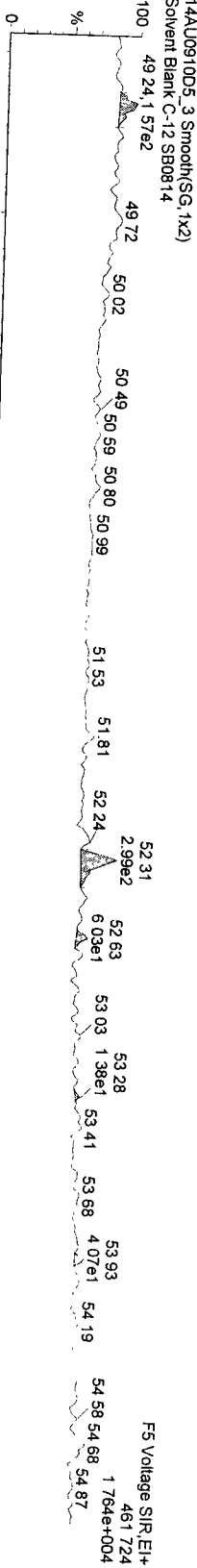


Dataset: C:\MassLynx\Default pro1\14AU0910D51668M.qld

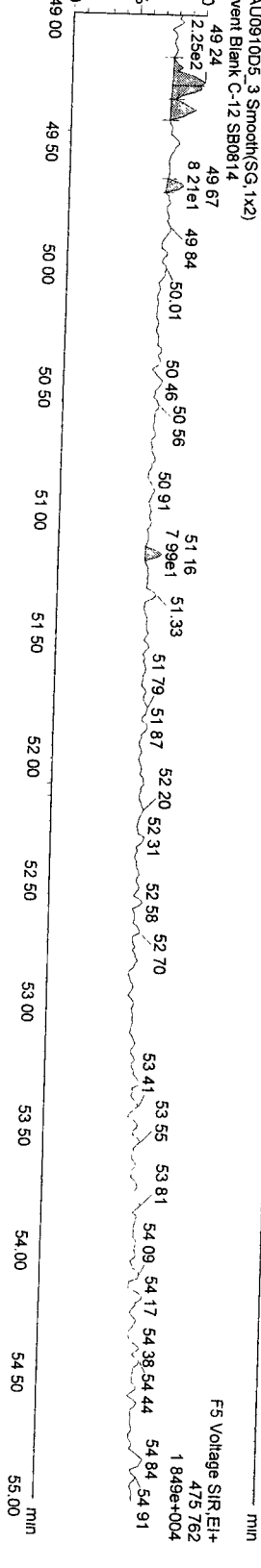
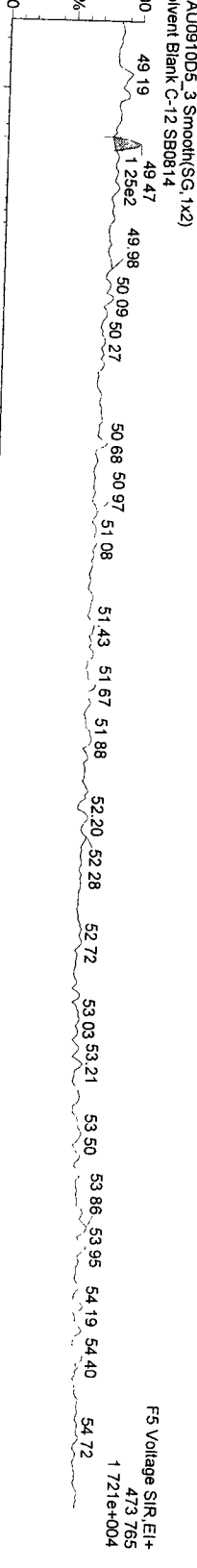
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
 Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

NoCBs



13C-NoCBs

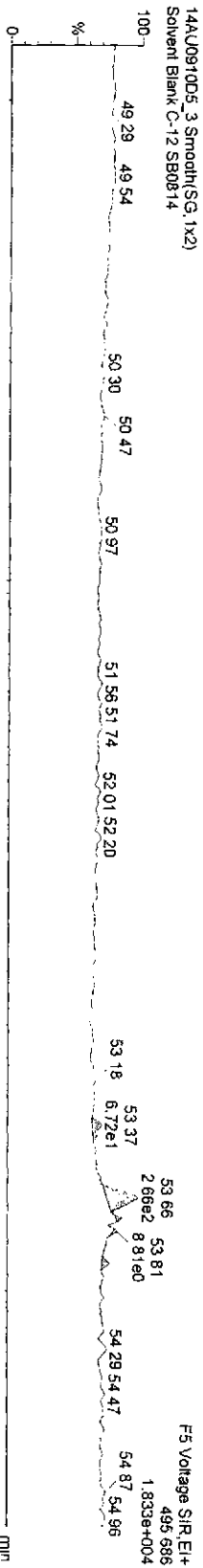


Dataset: C:\MassLynx\Default\proj\14AU0910D51668M.qtd

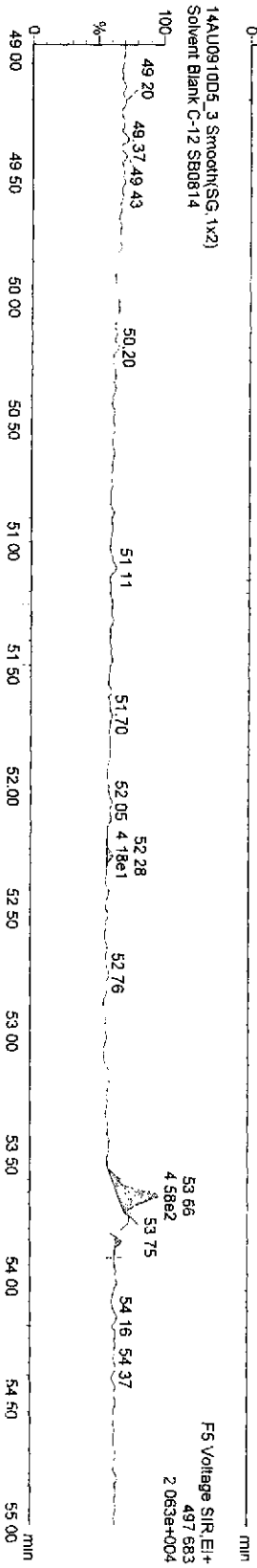
Last Altered: Monday, August 17, 2009 8:41:35 AM Pacific Daylight Time  
Printed: Monday, August 17, 2009 8:42:59 AM Pacific Daylight Time

Name: 14AU0910D5\_3, Date: 14-Aug-2009, Time: 19:48:03, ID: SB0814, Description: Solvent Blank C-12

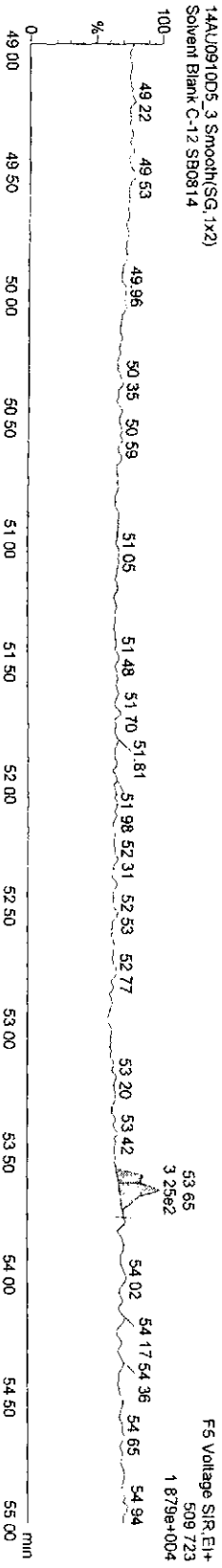
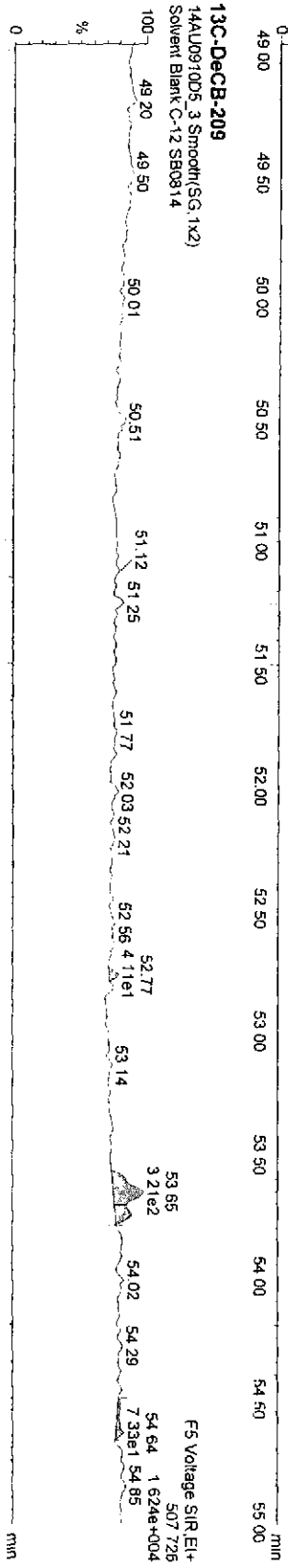
**DecB-209**



14AU0910D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0814



14AU0910D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB0814



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***



Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID TCA0716200910DS1668MSL  
 Method ID 1668M Date Scanned \_\_\_\_\_  
 Column ID DB-5 Instrument ID 10DS  
 STD ID's ST0716, ST0716A, ST0716B STD Solution 09DXN(-205, -206, -207, -208, -209  
ST0716C, ST0716D  
 GC Program 1668M10DS Multiplier Setting 350  
 Analyzed By SMA Date Analyzed 7-16-09  
 Prepared By SMA Date Prepared 7-21-09  
 Reviewed By AM Date Reviewed 7-21-09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CSI-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for toxic and/or window defining natives (LOC natives.). All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%; S/N ≥ 2.5

1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥2.5

Project: C:\MassLynx\Default.pro\ICA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time

Printed: Tuesday, July 21, 2009 11:47:08 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 21 Jul 2009 07:34:24

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 20 Jul 2009 16:06:16

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C-PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time

Printed: Tuesday, July 21, 2009 11:42:30 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 21 Jul 2009 07:34:24

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 20 Jul 2009 16:06:16

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.89	100.0	1238504	1.00000	0.623	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1303558	1.05253	0.781	NO	
4	TeCB-81	289.922	33.82	1.0	17272	1.32496	0.713	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1366661	1.10348	0.785	NO	
6	TeCB-77	289.922	34.52	1.0	17201	1.25859	0.692	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.15	100.0	1250798	1.00993	0.630	NO	
9	PeCB-123	323.883	36.18	1.0	17822	1.42486	0.649	NO	
10	13C-PeCB-118	335.924	36.31	100.0	1303385	1.05239	0.638	NO	
11	PeCB-118/106	323.883	36.35	1.0	18785	1.44126	0.590	NO	
12	13C-PeCB-114	335.924	37.10	100.0	1308817	1.05677	0.632	NO	
13	PeCB-114	323.883	37.14	1.0	19667	1.50269	0.608	NO	
14	13C-PeCB-105	335.924	38.18	100.0	1247364	1.00715	0.630	NO	
15	PeCB-105/127	323.883	38.21	1.0	17028	1.36510	0.657	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1318474	1.06457	0.617	NO	
17	PeCB-126	323.883	40.51	1.0	14763	1.11971	0.612	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.29	100.0	1410958	1.00000	0.898	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.85	100.0	1437394	1.01874	1.287	NO	
22	HxCB-167	359.841	41.87	1.0	19668	1.36831	1.291	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1133192	0.80314	1.291	NO	
24	HxCB-156	359.841	43.45	1.0	18969	1.67395	1.142	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1209820	0.85745	1.273	NO	
26	HxCB-157	359.841	43.83	1.0	19507	1.61239	1.155	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1280840	0.90778	1.268	NO	
28	HxCB-169	359.841	46.08	1.0	13786	1.07630	1.297	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.59	100.0	985244	0.69828	1.054	NO	
31	HpCB-180	393.803	44.62	1.0	13178	1.33751	1.134	NO	
32	13C-HpCB-170	405.843	46.61	100.0	795719	0.56396	1.060	NO	
33	HpCB-170	393.803	46.64	1.0	12327	1.54915	1.029	NO	
34	13C-HpCB-189	405.843	48.48	100.0	1036343	0.73450	1.048	NO	
35	HpCB-189	393.803	48.50	1.0	12596	1.21545	1.055	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.65	100.0	1685311	1.31074	0.635	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time

Printed: Tuesday, July 21, 2009 11:42:30 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1201788	1.00000	0.630	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1243046	1.03433	0.797	NO	
4	TeCB-81	289.922	33.83	5.0	87542	1.40851	0.717	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1317969	1.09667	0.797	NO	
6	TeCB-77	289.922	34.52	5.0	79941	1.21310	0.741	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1207195	1.00450	0.620	NO	
9	PeCB-123	323.883	36.18	5.0	84618	1.40190	0.624	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1219974	1.01513	0.633	NO	
11	PeCB-118/106	323.883	36.35	5.0	89482	1.46696	0.646	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1249215	1.03946	0.647	NO	
13	PeCB-114	323.883	37.14	5.0	96578	1.54621	0.612	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1174371	0.97719	0.628	NO	
15	PeCB-105/127	323.883	38.21	5.0	82035	1.39708	0.619	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1231019	1.02432	0.623	NO	
17	PeCB-126	323.883	40.54	5.0	67459	1.09599	0.630	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1363855	1.00000	0.891	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1360620	0.99763	1.270	NO	
22	HxCB-167	359.841	41.88	5.0	86045	1.26479	1.229	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1065694	0.78138	1.285	NO	
24	HxCB-156	359.841	43.46	5.0	85122	1.59750	1.186	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1123200	0.82355	1.286	NO	
26	HxCB-157	359.841	43.85	5.0	89045	1.58556	1.238	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1168591	0.85683	1.282	NO	
28	HxCB-169	359.841	46.08	5.0	62351	1.06712	1.221	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	925688	0.67873	1.035	NO	
31	HpCB-180	393.803	44.62	5.0	56871	1.22872	1.063	NO	
32	13C-HpCB-170	405.843	46.61	100.0	738016	0.54112	1.062	NO	
33	HpCB-170	393.803	46.64	5.0	58449	1.58394	1.019	NO	
34	13C-HpCB-189	405.843	48.50	100.0	932310	0.68358	1.049	NO	
35	HpCB-189	393.803	48.51	5.0	56109	1.20366	1.059	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.66	100.0	1588090	1.30561	0.634	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time

Printed: Tuesday, July 21, 2009 11:42:30 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

#	Name	Trace	RT	Std. Conc.	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1175057	1.00000	0.634	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1246212	1.06055	0.801	NO	
4	TeCB-81	289.922	33.83	50.0	930081	1.49265	0.723	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1331423	1.13307	0.804	NO	
6	TeCB-77	289.922	34.52	50.0	847939	1.27373	0.727	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1191088	1.01364	0.643	NO	
9	PeCB-123	323.883	36.18	50.0	929234	1.56031	0.615	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1202953	1.02374	0.631	NO	
11	PeCB-118/106	323.883	36.35	50.0	956194	1.58974	0.625	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1229304	1.04616	0.638	NO	
13	PeCB-114	323.883	37.14	50.0	987405	1.60645	0.626	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1164813	0.99128	0.637	NO	
15	PeCB-105/127	323.883	38.21	50.0	850622	1.46053	0.610	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1208292	1.02828	0.622	NO	
17	PeCB-126	323.883	40.53	50.0	708636	1.17295	0.622	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1332095	1.00000	0.897	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1325323	0.99492	1.279	NO	
22	HxCB-167	359.841	41.88	50.0	929401	1.40253	1.238	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1039105	0.78005	1.292	NO	
24	HxCB-156	359.841	43.46	50.0	895990	1.72454	1.227	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1109688	0.83304	1.283	NO	
26	HxCB-157	359.841	43.85	50.0	943304	1.70012	1.230	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1146831	0.86092	1.284	NO	
28	HxCB-169	359.841	46.08	50.0	635680	1.10859	1.243	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	926647	0.69563	1.034	NO	
31	HpCB-180	393.803	44.62	50.0	599373	1.29364	1.027	NO	
32	13C-HpCB-170	405.843	46.62	100.0	725228	0.54443	1.045	NO	
33	HpCB-170	393.803	46.64	50.0	598461	1.65041	1.043	NO	
34	13C-HpCB-189	405.843	48.50	100.0	930603	0.69860	1.043	NO	
35	HpCB-189	393.803	48.51	50.0	575970	1.23784	1.038	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.67	100.0	1595890	1.33070	0.629	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time

Printed: Tuesday, July 21, 2009 11:42:30 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335 924	31 89	100.0	1295333	1 00000	0.633	NO	
2				0 0					
3	13C-TeCB-81	301 963	33 80	100.0	1310582	1 01177	0.780	NO	
4	TeCB-81	289 922	33 82	200.0	3974320	1 51624	0.742	NO	
5	13C-TeCB-77	301 963	34 49	100 0	1385538	1 06964	0.794	NO	
6	TeCB-77	289 922	34 52	200.0	3662737	1 32177	0.723	NO	
7				0.0					
8	13C-PeCB-123	335 924	36 16	100.0	1226579	0 94692	0.628	NO	
9	PeCB-123	323.883	36.18	200.0	3838855	1 56486	0.620	NO	
10	13C-PeCB-118	335.924	36.33	100 0	1303926	1.00663	0.641	NO	
11	PeCB-118/106	323.883	36 35	200 0	4007006	1.53652	0.615	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1286568	0.99323	0.644	NO	
13	PeCB-114	323.883	37 14	200.0	4203276	1 63352	0.617	NO	
14	13C PeCB-105	335.924	38.18	100 0	1235972	0.95417	0.624	NO	
15	PeCB-105/127	323.883	38.21	200.0	3603788	1.45788	0.623	NO	
16	13C-PeCB-126	335 924	40.51	100.0	1300506	1.00399	0.625	NO	
17	PeCB-126	323.883	40.52	200 0	3074213	1 18193	0.615	NO	
18				0.0					
19	13C-OcCB-202	439 804	43 31	100.0	1460108	1 00000	0.903	NO	
20				0 0					
21	13C-HxCB-167	371 882	41.87	100 0	1431091	0.98013	1.291	NO	
22	HxCB-167	359 841	41.88	200.0	3738452	1 30615	1 233	NO	
23	13C-HxCB-156	371.882	43 43	100 0	1116476	0.76465	1 290	NO	
24	HxCB-156	359 841	43 46	200.0	3830700	1 71553	1 223	NO	
25	13C-HxCB-157	371 882	43 82	100 0	1194057	0.81779	1.280	NO	
26	HxCB-157	359 841	43 85	200 0	4035042	1.68964	1 232	NO	
27	13C-HxCB-169	371 882	46 05	100 0	1236150	0 84662	1.277	NO	
28	HxCB-169	359 841	46 06	200 0	2788716	1.12798	1.245	NO	
29				0 0					
30	13C-HpCB-180	405.843	44 61	100.0	970265	0 66452	1 045	NO	
31	HpCB-180	393 803	44 62	200 0	2544786	1 31139	1.039	NO	
32	13C-HpCB-170	405 843	46.61	100.0	776807	0.53202	1.059	NO	
33	HpCB-170	393 803	46.64	200 0	2565555	1.65135	1 038	NO	
34	13C-HpCB-189	405 843	48 48	100.0	978294	0.67001	1 033	NO	
35	HpCB-189	393 803	48 51	200 0	2441050	1 24761	1 041	NO	
36				0.0					
37	13C-PeCB-111	335.924	33 65	100 0	1659357	1.30585	0 623	NO	
38				1 0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1 0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSL.qld

Last Altered: Tuesday, July 21, 2009 11:41:48 Pacific Daylight Time

Printed: Tuesday, July 21, 2009 11:42:30 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1299028	1.00000	0.636	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1351021	1.04002	0.809	NO	
4	TeCB-81	289.922	33.82	500.0	10467538	1.54957	0.737	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1453148	1.11864	0.802	NO	
6	TeCB-77	289.922	34.52	500.0	9342494	1.28583	0.722	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1287591	0.99120	0.632	NO	
9	PeCB-123	323.883	36.18	500.0	10139770	1.57500	0.616	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1328216	1.02247	0.649	NO	
11	PeCB-118/106	323.883	36.35	500.0	10574689	1.59231	0.621	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1362567	1.04891	0.632	NO	
13	PeCB-114	323.883	37.15	500.0	11181883	1.64130	0.625	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1270123	0.97775	0.646	NO	
15	PeCB-105/127	323.883	38.21	500.0	9435282	1.48573	0.621	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1336400	1.02877	0.628	NO	
17	PeCB-126	323.883	40.53	500.0	8075162	1.20849	0.619	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1486089	1.00000	0.895	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1517183	1.02092	1.289	NO	
22	HxCB-167	359.841	41.88	500.0	10605261	1.39802	1.234	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1183364	0.79629	1.304	NO	
24	HxCB-156	359.841	43.46	500.0	10238996	1.73049	1.242	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1255009	0.84450	1.295	NO	
26	HxCB-157	359.841	43.85	500.0	10733652	1.71053	1.230	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1314059	0.88424	1.276	NO	
28	HxCB-169	359.841	46.08	500.0	7303533	1.11160	1.218	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	1014969	0.68298	1.046	NO	
31	HpCB-180	393.803	44.64	500.0	6752054	1.33049	1.042	NO	
32	13C-HpCB-170	405.843	46.62	100.0	827947	0.55713	1.061	NO	
33	HpCB-170	393.803	46.64	500.0	6789976	1.64019	1.040	NO	
34	13C-HpCB-189	405.843	48.50	100.0	1042716	0.70165	1.045	NO	
35	HpCB-189	393.803	48.51	500.0	6512169	1.24908	1.047	NO	
36				0.0					
37	13C-PeCB-111	335.924	33.67	100.0	1673672	1.27084	0.628	NO	
38				1.0					
39	Function 3 PFK	380.976		1.0					
40	Function 4 PFK	380.976		1.0					

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampled\16JL0910D5 SPL  
 Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
 Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page 1 of 3

Page Position (1, 1)

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1	16JL0910D5_1	Solvent Blank C-12	SB0716	---	---	1.000000	---	1.00
2	16JL0910D5_2	CS-1 09DXN205	ST0716	---	---	1.000000	---	1.00
3	16JL0910D5_3	CS-2 09DXN206	ST0716A	---	---	1.000000	---	1.00
4	16JL0910D5_4	CS-3 09DXN207	ST0716B	---	---	1.000000	---	1.00
5	16JL0910D5_5	CS-4 09DXN208	ST0716C	---	---	1.000000	---	1.00
6	16JL0910D5_6	CS-5 09DXN209	ST0716D	---	---	1.000000	---	1.00
7	16JL0910D5_7	Solvent Blank C-12	SB0716A	---	---	1.000000	---	1.00
8	16JL0910D5_8	2nd Source 09DXN196	ST0716E	1668	---	1.000000	---	1.00
9	16JL0910D5_9	CS-3 09DXN207	ST0716F	---	---	1.000000	---	1.00
10	16JL0910D5_10	Solvent Blank C-12	SB0716B	---	---	1.000000	---	1.00
11	16JL0910D5_11	G9G020271-1MB	LF612-1-AAB	1668/SOLID	89	10.000000	g	20
12	16JL0910D5_12	G9G020271-1LCS	LF612-1-ACC	1668/SOLID	---	10.000000	g	20
13	16JL0910D5_13	G9G020271-1	LF16J-1-AC	1668/SOLID	---	10.030000	g	20
14	16JL0910D5_14	G9G020271-2	LF16K-1-AC	1668/SOLID	---	10.075000	g	20
15	16JL0910D5_15	G9G020271-3	LF16L-1-AC	1668/SOLID	---	10.450000	g	20
16	16JL0910D5_16	G9G020275-1	LF162-1-AC	1668/SOLID	---	10.195000	g	20
17	16JL0910D5_17	G9G020275-2	LF166-1-AC	1668/SOLID	---	10.225000	g	20
18	16JL0910D5_18	G9G020275-3	LF168-1-AC	1668/SOLID	---	10.205000	g	20
19	16JL0910D5_19	G9G020275-4	LF169-1-AC	1668/SOLID	---	10.085000	g	20
20	16JL0910D5_20	G9G020280-1	LF172-1-AC	1668/SOLID	---	10.265000	g	20
21	16JL0910D5_21	G9G020280-2	LF174-1-AC	1668/SOLID	---	10.340000	g	20
22	16JL0910D5_22	G9G020280-3	LF176-1-AC	1668/SOLID	---	10.040000	g	20
23	16JL0910D5_23	Solvent Blank C-12	SB0716C	---	---	1.000000	---	1.00

*reviewed  
by  
ms  
7/17/09*



Sample List Report

MassLynx 4.1

Sample List. C:\MassLynx\Default.pro\Sampled\16JL0910D5 SPL

Page 2 of 3

Last Modified Thursday, July 16, 2009 21:10:20 Pacific Daylight Time

Printed. Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:2	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	1	2	100	100
Tray1:3	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	5	10	100	100
Tray1:4	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:5	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	200	400	100	100
Tray1:6	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	500	1000	100	100
Tray1:7	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:10	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:11	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:16	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default pro\Sampled\b\16JL0910D5 SPL  
Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page 3 of 3

Page Position (3, 1)

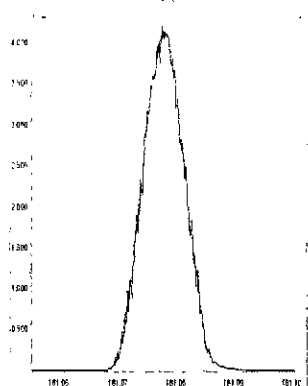
Conc E	Conc F	Conc G	Conc H
--------	--------	--------	--------

---	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
---	---	---	---
2000	---	---	---
100	---	---	---
---	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
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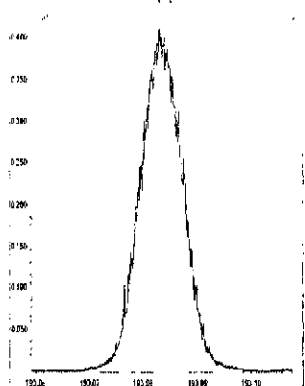
File: Experiment.1668M10D5 exp Reference: p1k.ref Function: 1 @ 200 (ppm)

Printed Thursday, July 16, 2009 11:39:37 Pacific Daylight Time

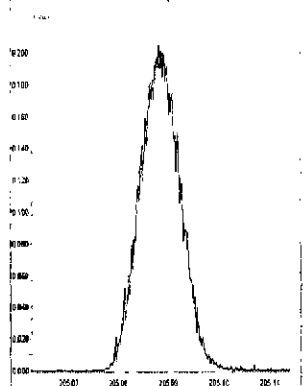
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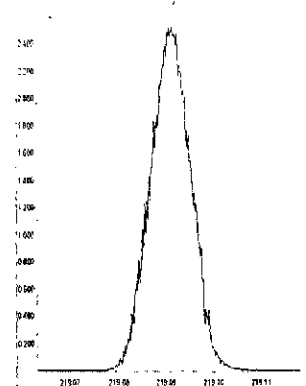
M 192.9888 R 10930



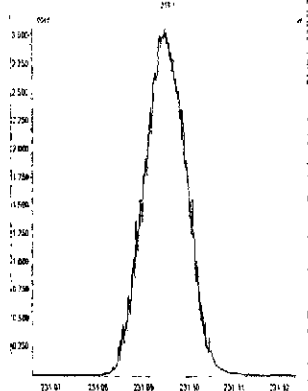
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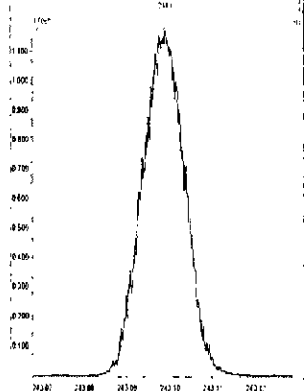
M 218.9856 R 11766



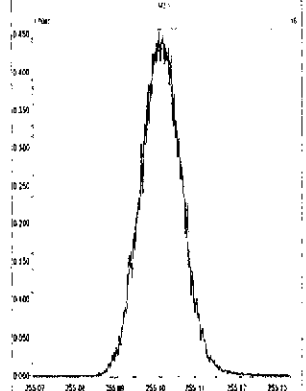
M 230.9856 R 11236



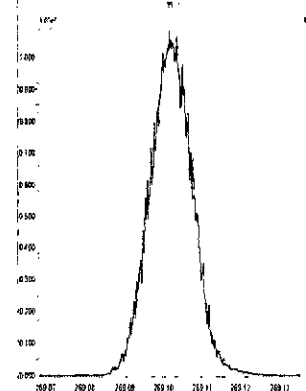
M 242.9856 R 11235



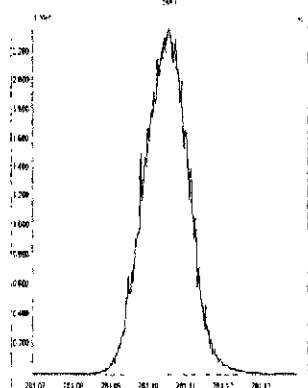
M 254.9856 R 11172



M 268.9824 R 10692



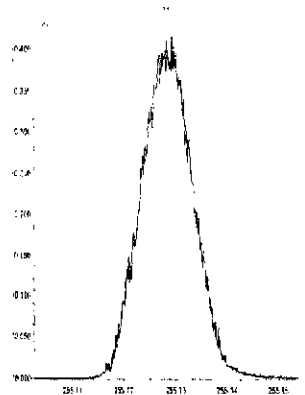
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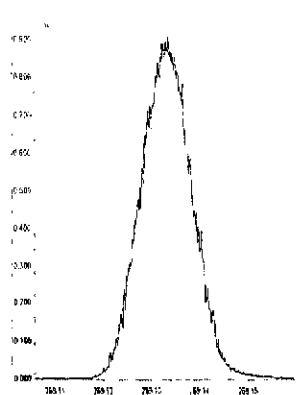
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Printed Thursday, July 16, 2009 11:40 41 Pacific Daylight Time

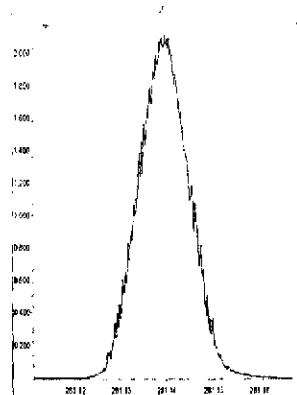
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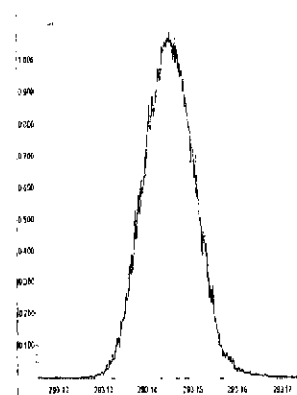
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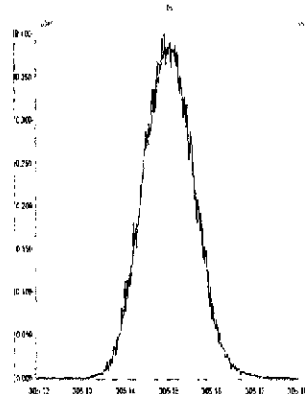
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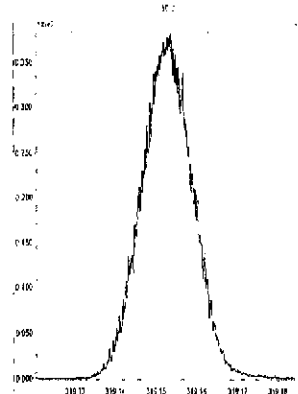
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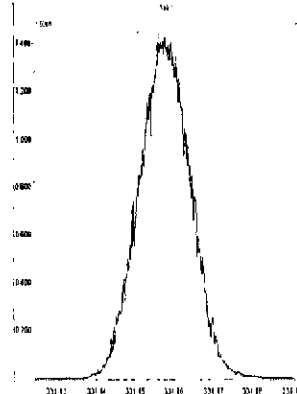
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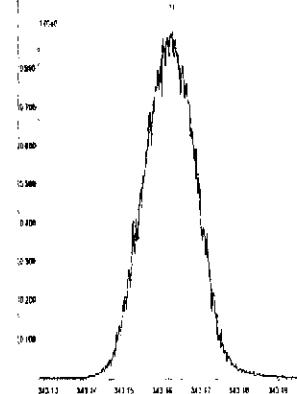
M 318.9792 R 11059



M 330.9792 R 11063



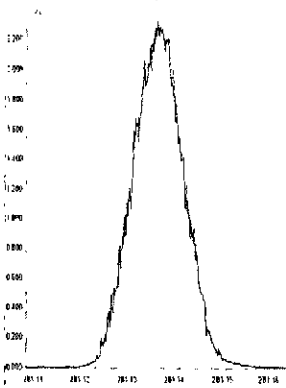
M 342.9792 R 11260



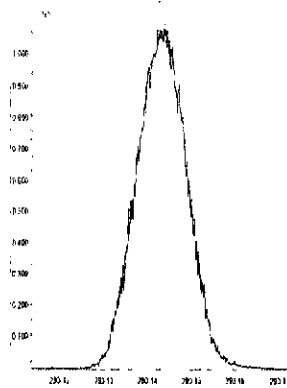
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Printed: Thursday, July 16, 2009 11:41:17 Pacific Daylight Time

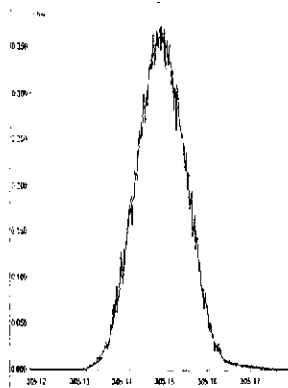
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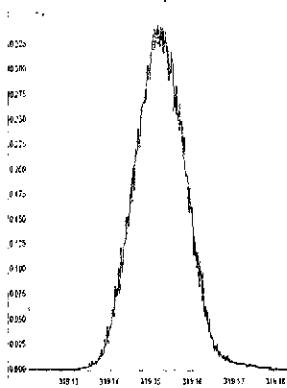
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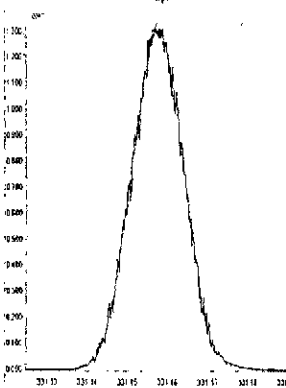
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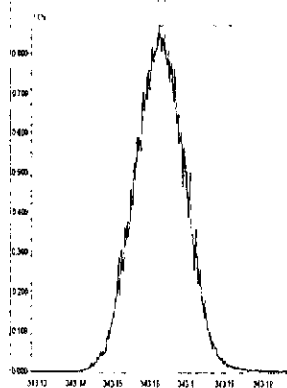
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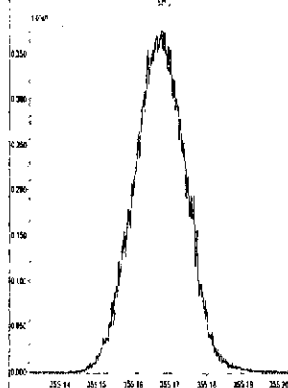
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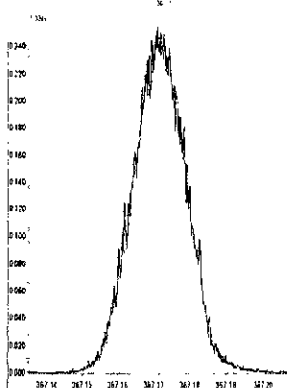
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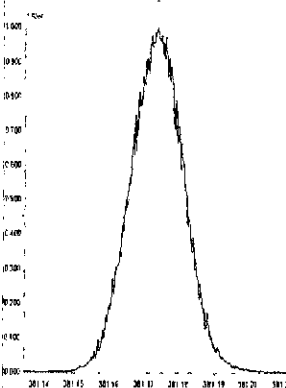
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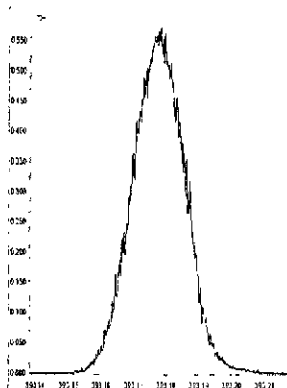
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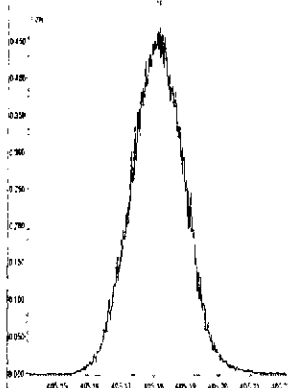
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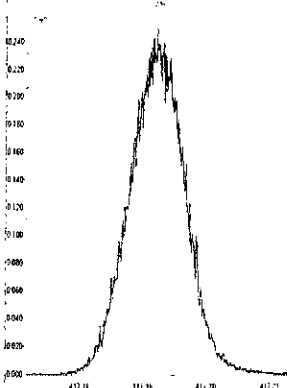
M 392.9760 R 10592



M 404.9760 R 10505



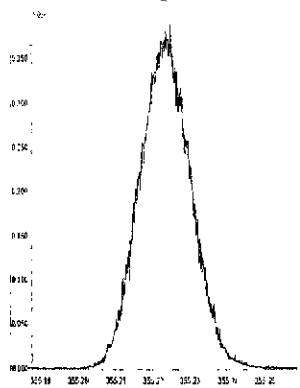
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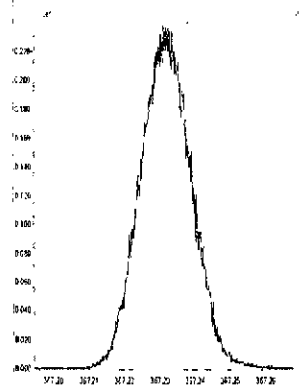
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Printed: Thursday, July 16, 2009 11:42:47 Pacific Daylight Time

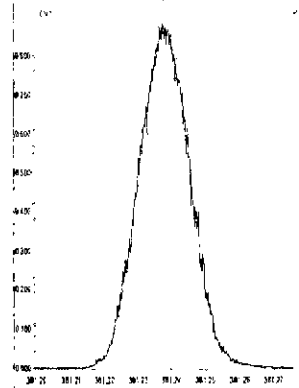
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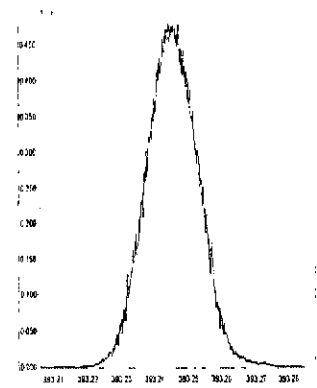
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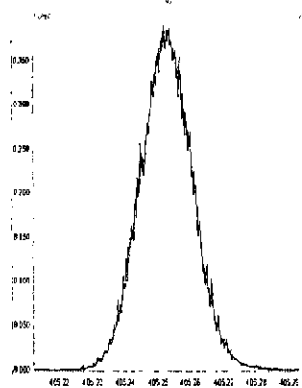
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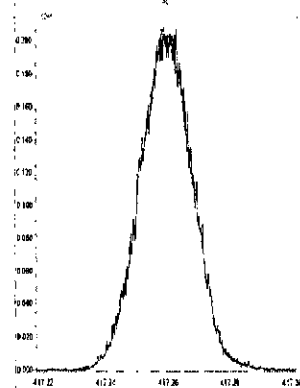
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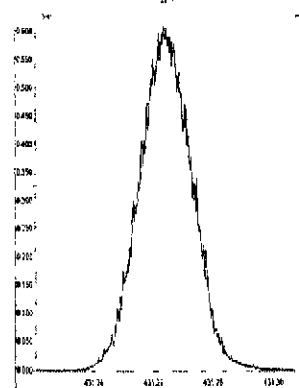
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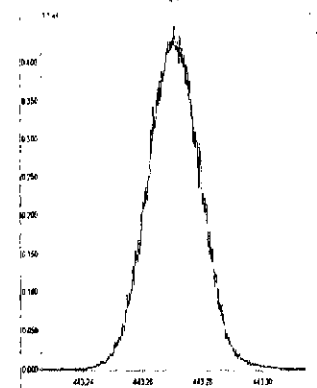
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M 430.9728 R 10918



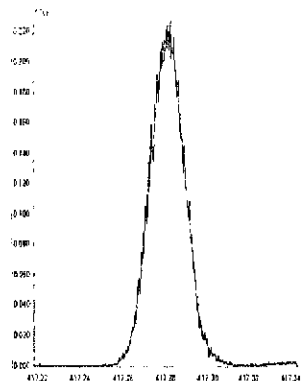
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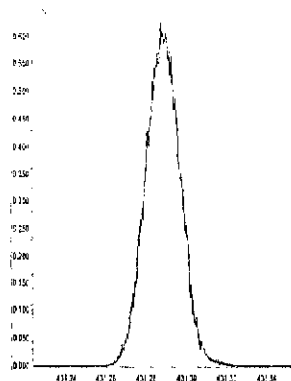
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Printed: Thursday, July 16, 2009 11:43:38 Pacific Daylight Time

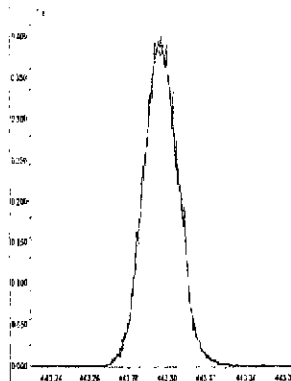
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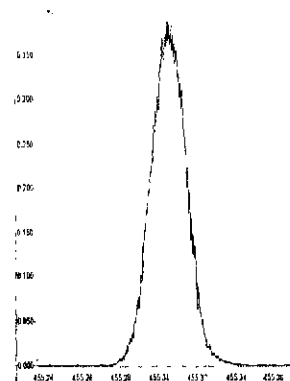
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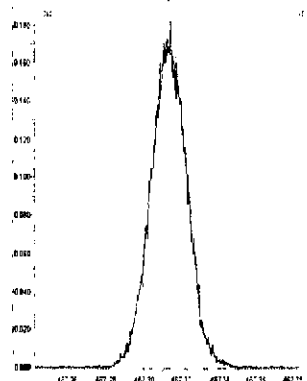
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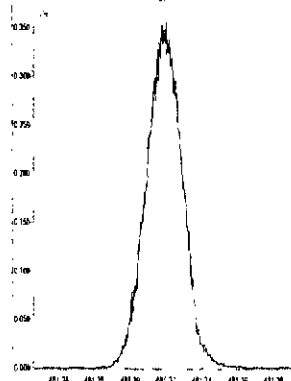
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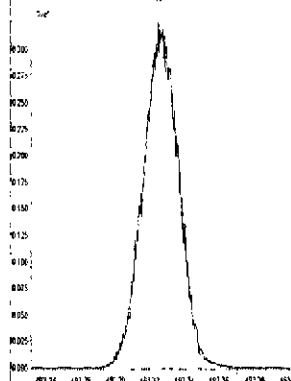
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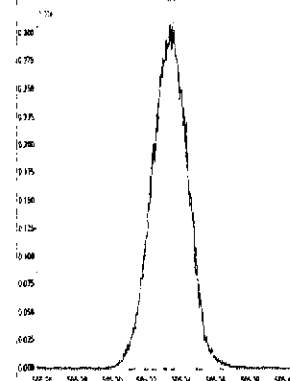
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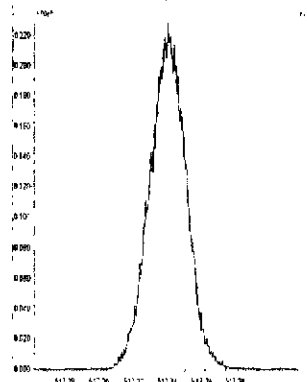
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M 504.9696 R 10617



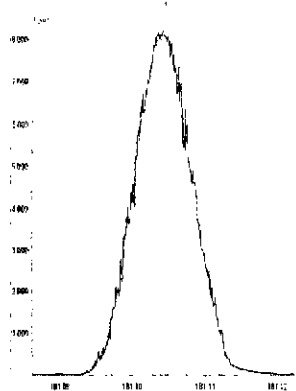
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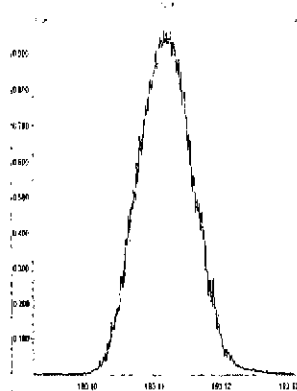
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Printed: Thursday, July 16, 2009 20:24 50 Pacific Daylight Time

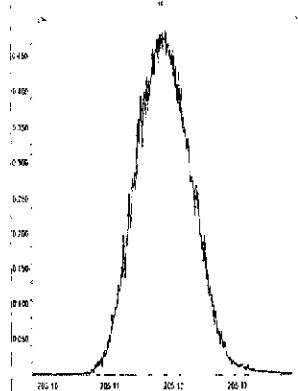
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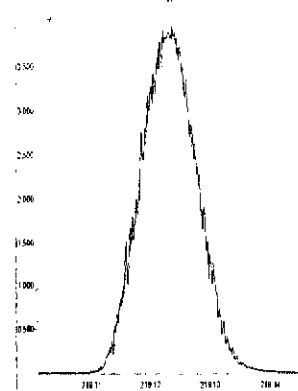
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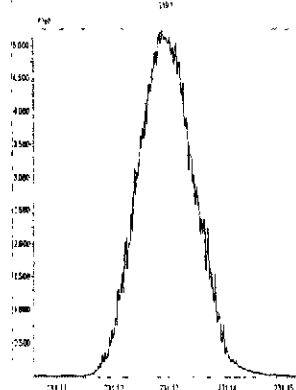
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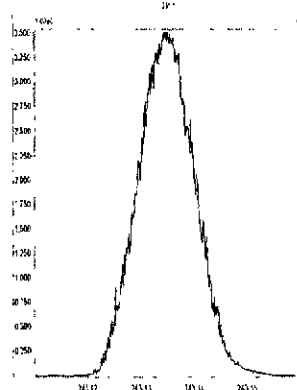
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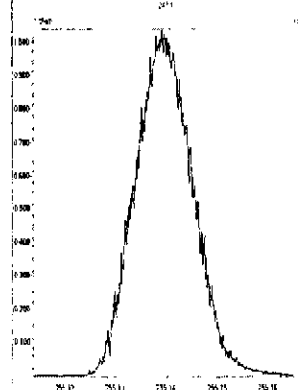
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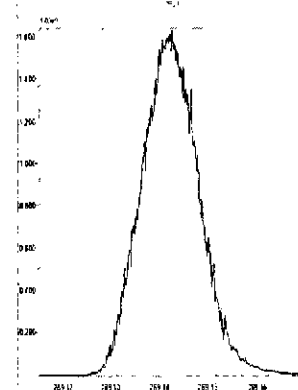
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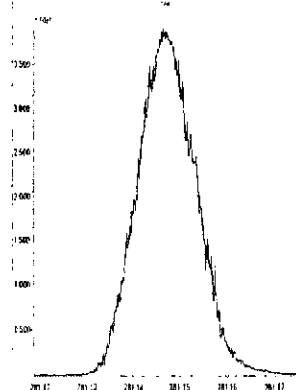
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M 268.9824 R 10039



M 280.9824 R 10207

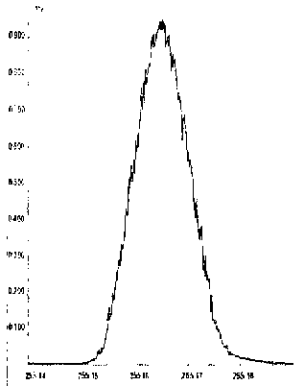




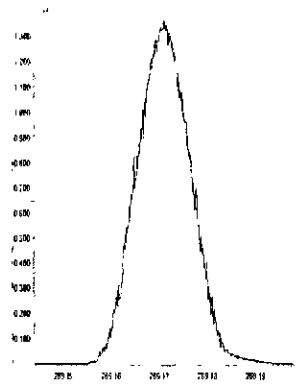
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Printed: Thursday, July 16, 2009 20:26:23 Pacific Daylight Time

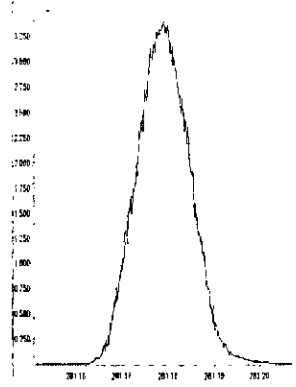
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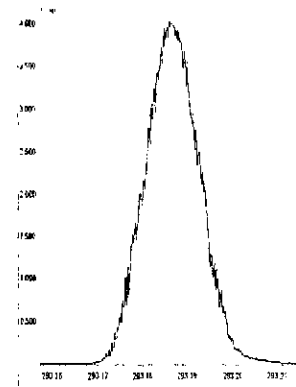
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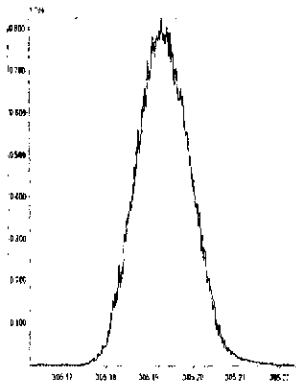
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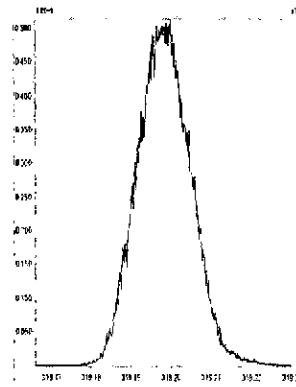
M 292.9824 R 10967



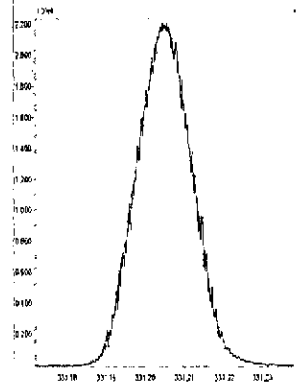
M 304.9824 R 10724



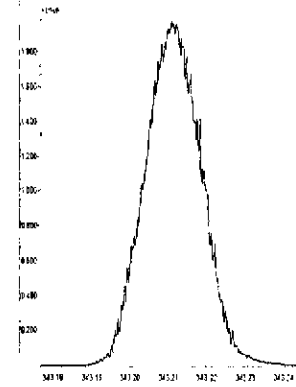
M 318.9792 R 10592



M 330.9792 R 10872



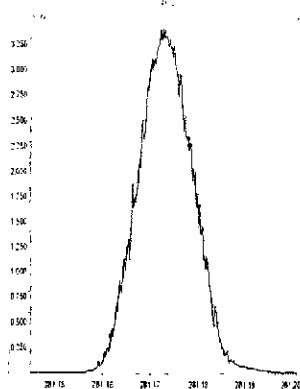
M 342.9792 R 10505



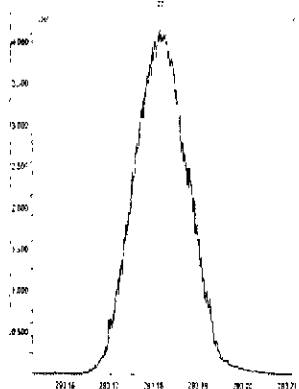
File Experiment. 1668M10D5 exp Reference. pfk ref Function: 3 @ 200 (ppm)

Printed: Thursday, July 16, 2009 20:32:05 Pacific Daylight Time

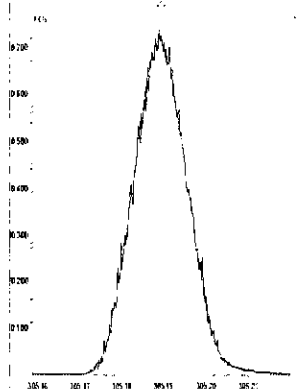
M 280.9824 R 10779



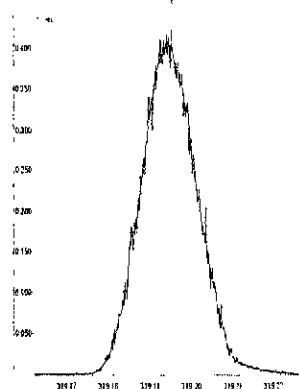
M 292.9824 R 11009



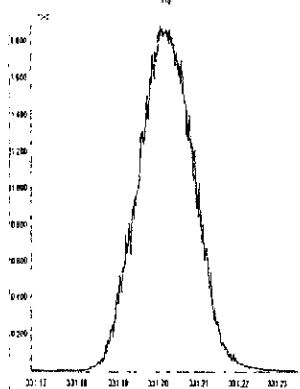
M 304.9824 R 10870



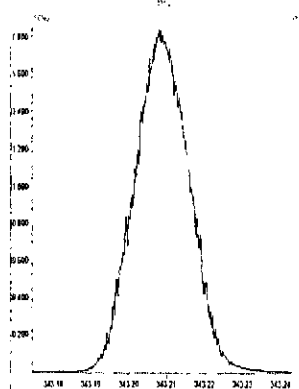
M 318.9792 R 10637



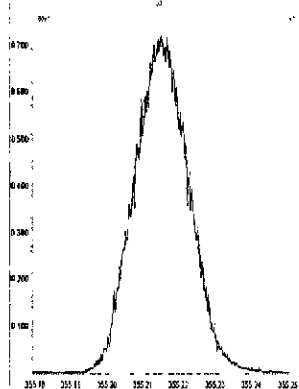
M 330.9792 R 10681



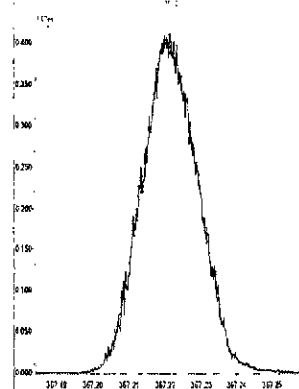
M 342.9792 R 10639



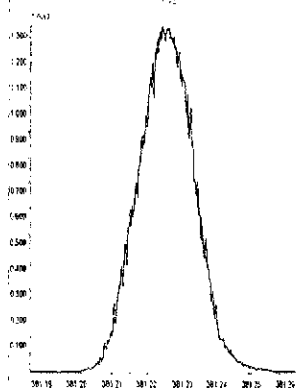
M 354.9792 R 10464



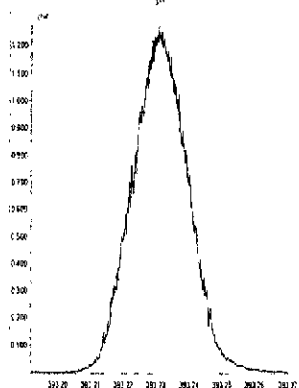
M 366.9792 R 10867



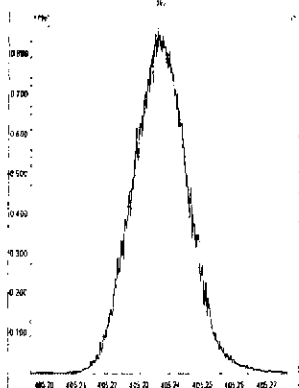
M 380.9760 R 10328



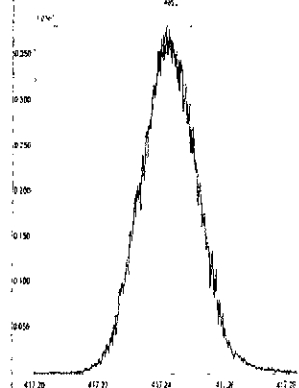
M 392.9760 R 10330



M 404.9760 R 10124



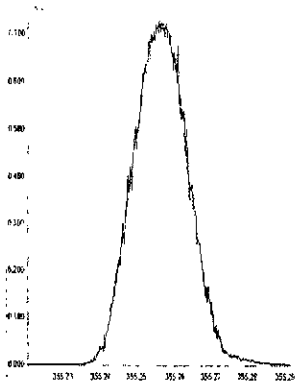
M 416.9760 R 10243



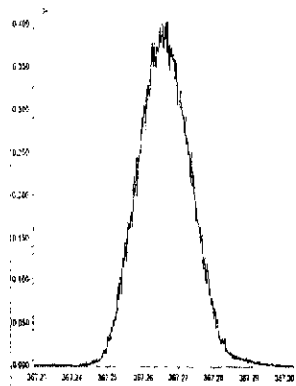
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Printed: Thursday, July 16, 2009 20:33:29 Pacific Daylight Time

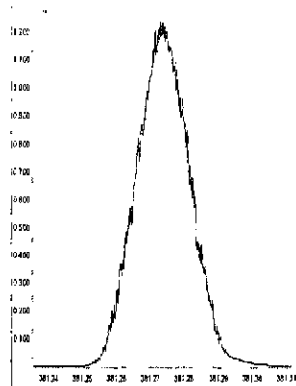
M 354.9792 R 11062



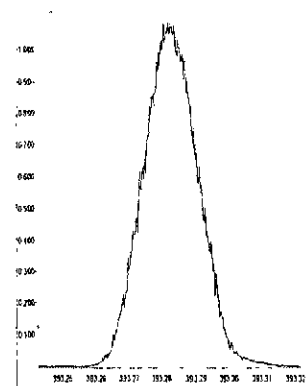
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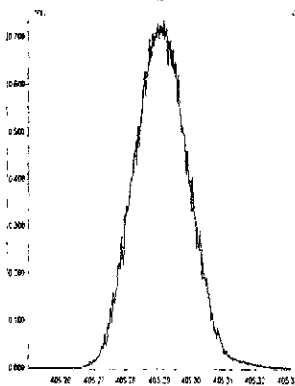
M 380.9760 R 10915



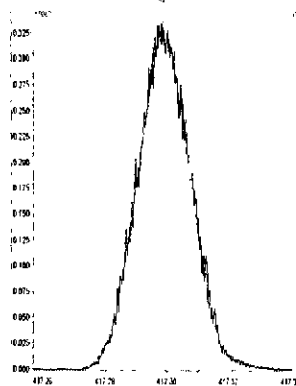
M 392.9760 R 10594



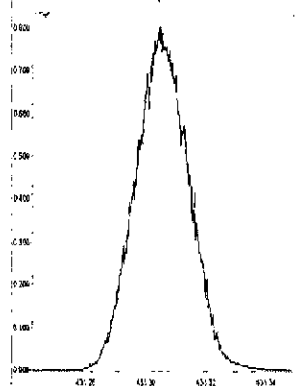
M 404.9760 R 10548



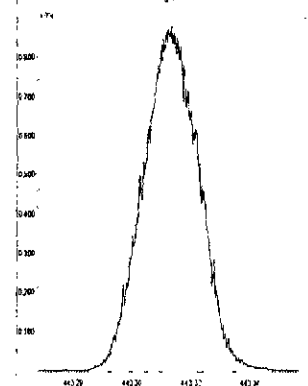
M 416.9760 R 10728



M 430.9728 R 10415



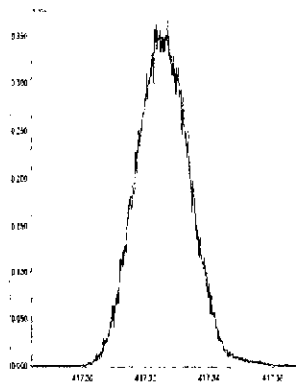
M 442.9728 R 10639



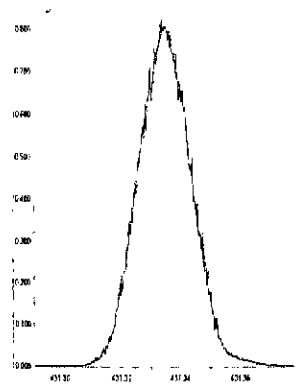
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Printed: Thursday, July 16, 2009 20 34:38 Pacific Daylight Time

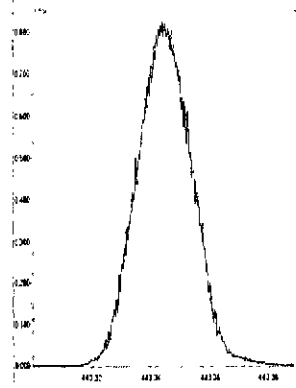
M 416.9760 R 10822



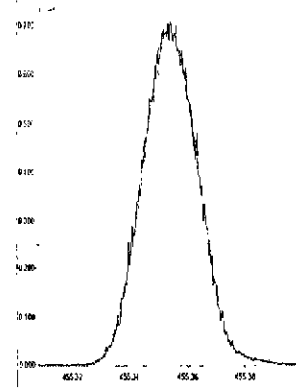
M 430.9728 R 10728



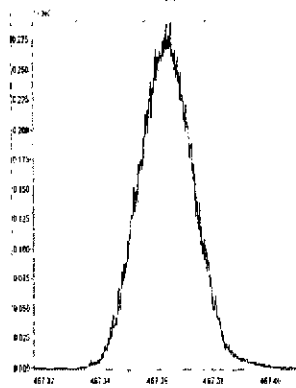
M 442.9728 R 10918



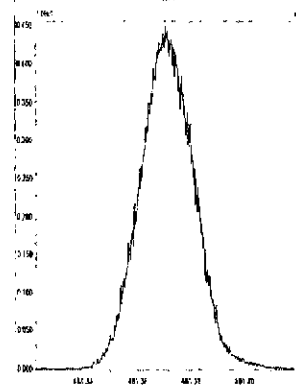
M 454.9728 R 10460



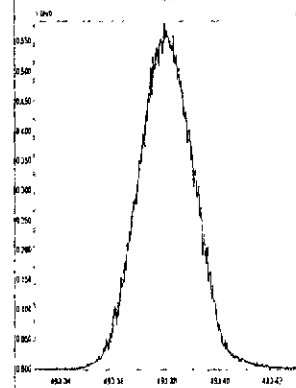
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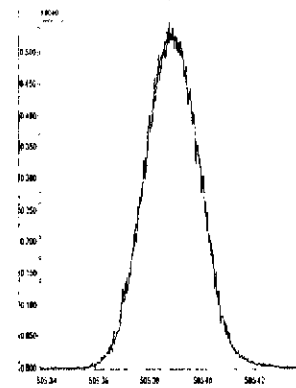
M 480.9696 R 10415



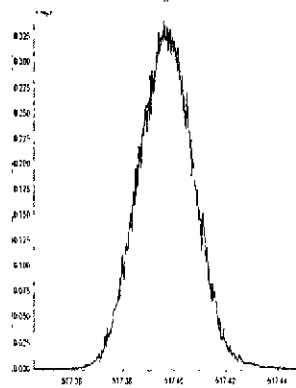
M 492.9696 R 10458



M 504.9696 R 10638



M 516.9697 R 10206

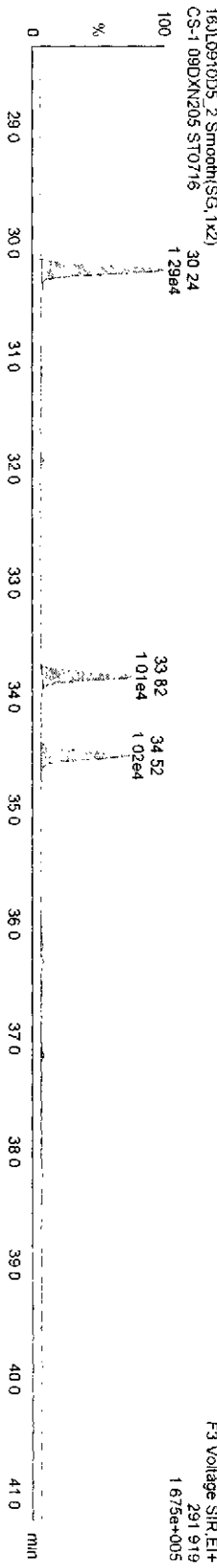
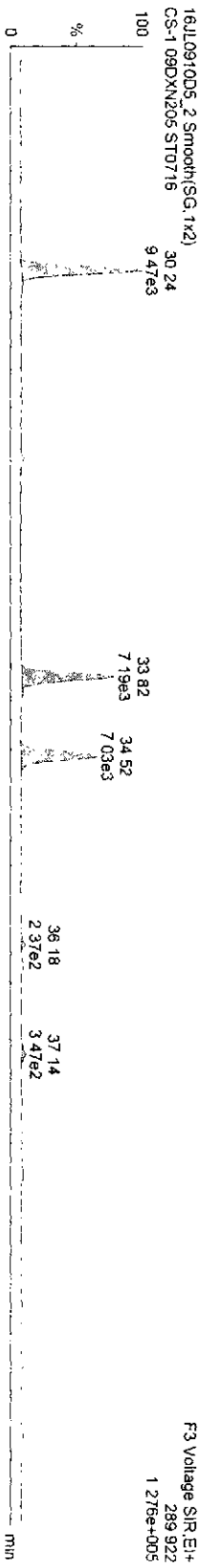


Dataset C:\MassLynx\Default prof\CA0716200910D51668MSL.qld

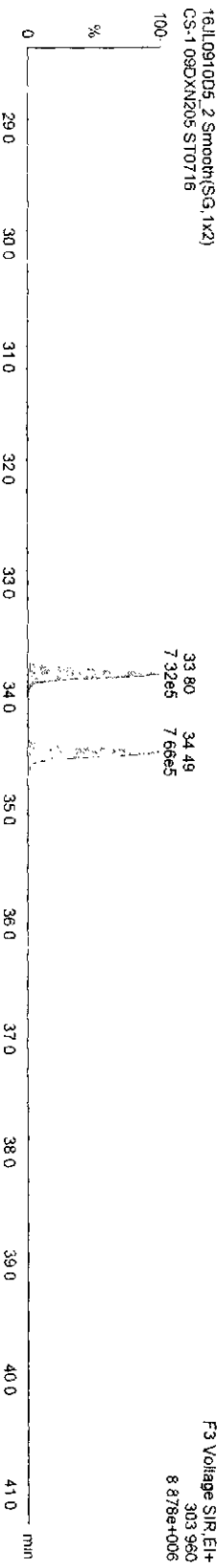
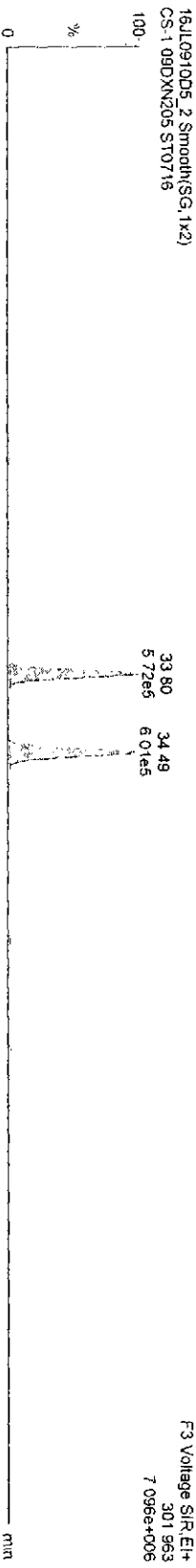
Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

**TetraPCBs**



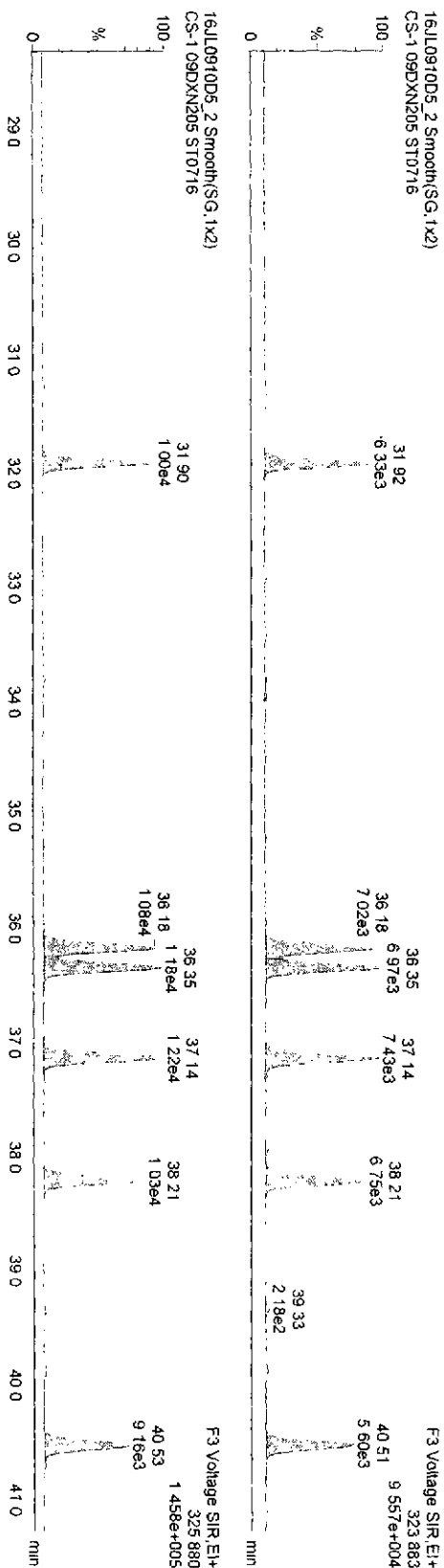
**13C-TetraPCBs**



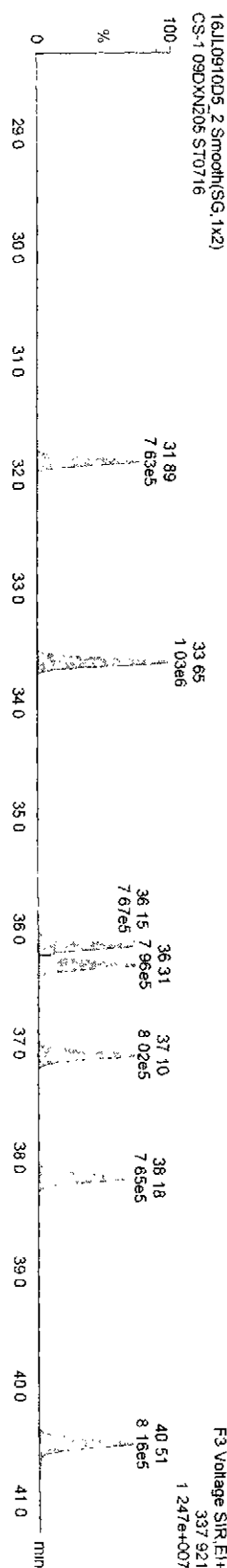
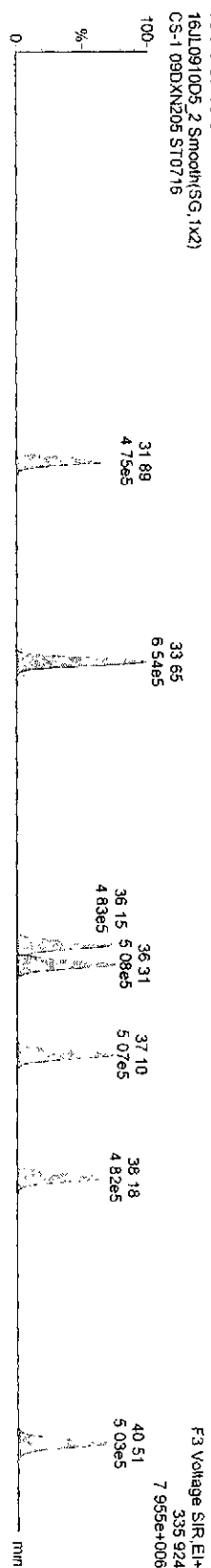
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 Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

**PePCBs**



**13C-PePCBs**

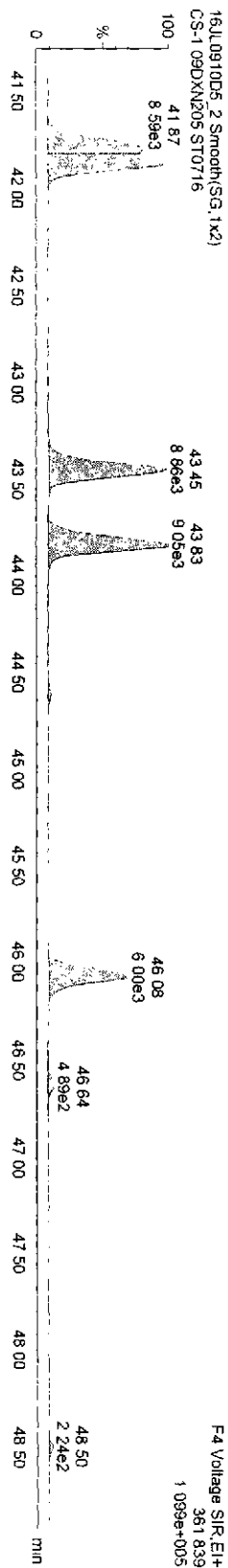


Dataset: C:\Masslynx\Default\prol\CA0716200910D51668MSL.qld

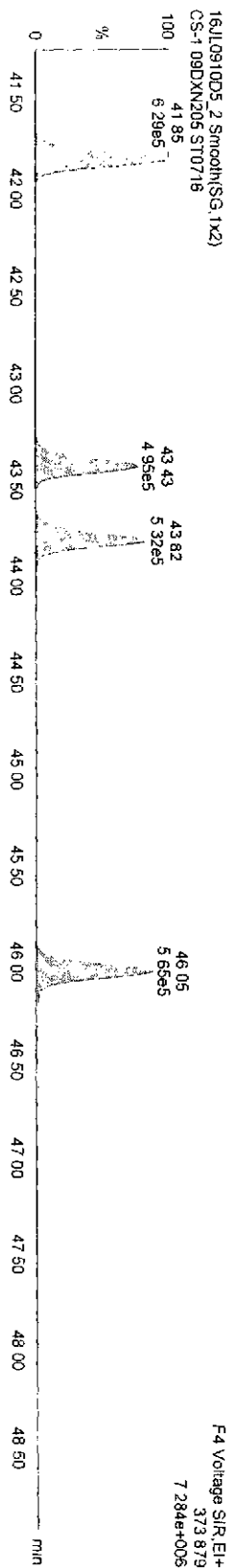
Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

HXPCBs-



13C-HXPCBs



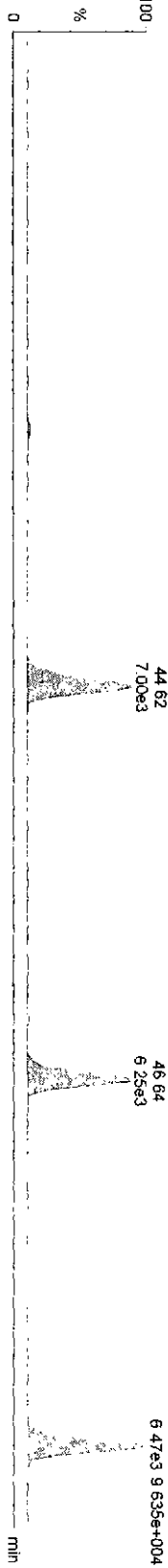
Dataset C:\Masslynx\Default\prof\CA0716200910D51668MSL.qld

Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

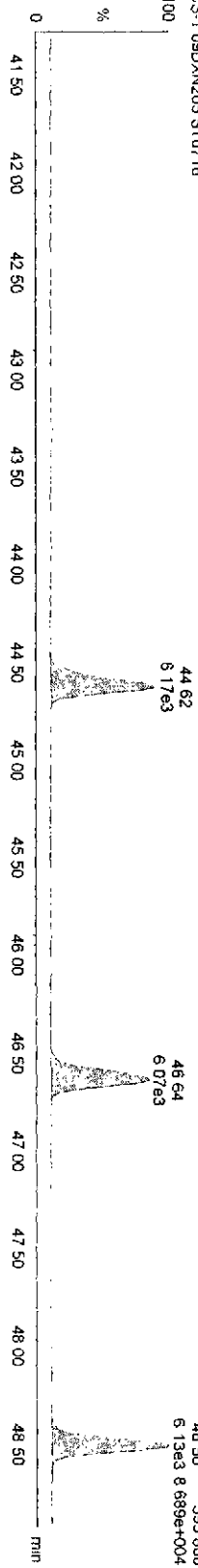
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**HppCBs**

16JUL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716

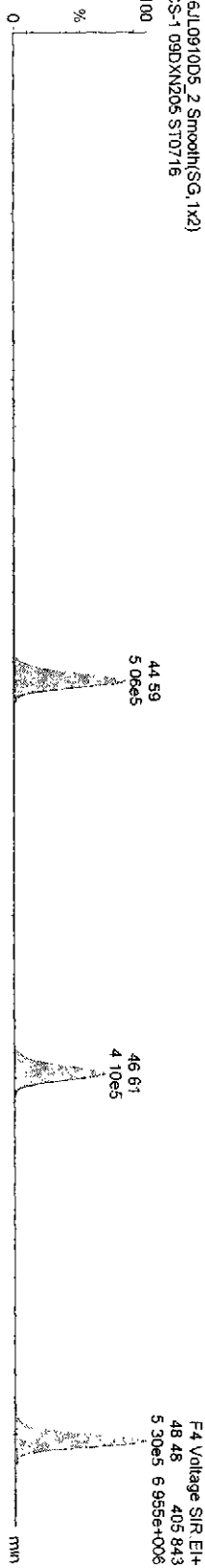


16JUL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716

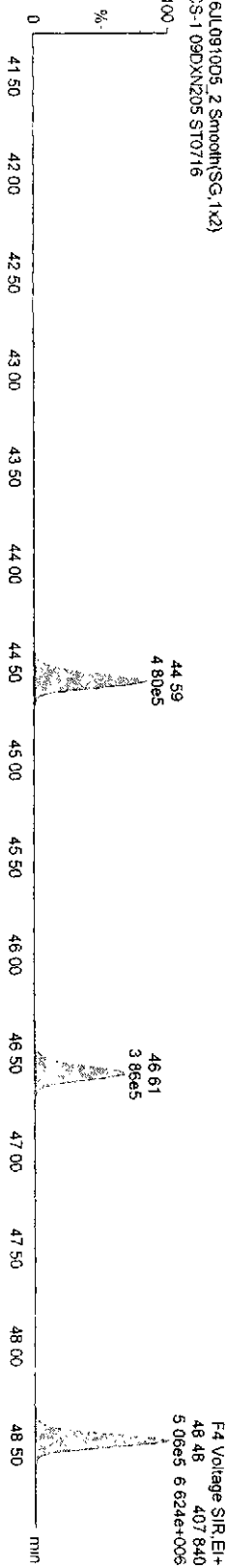


**13C-HppCBs**

16JUL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



16JUL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716





Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prof\CA0716200910D51668MSL.qld

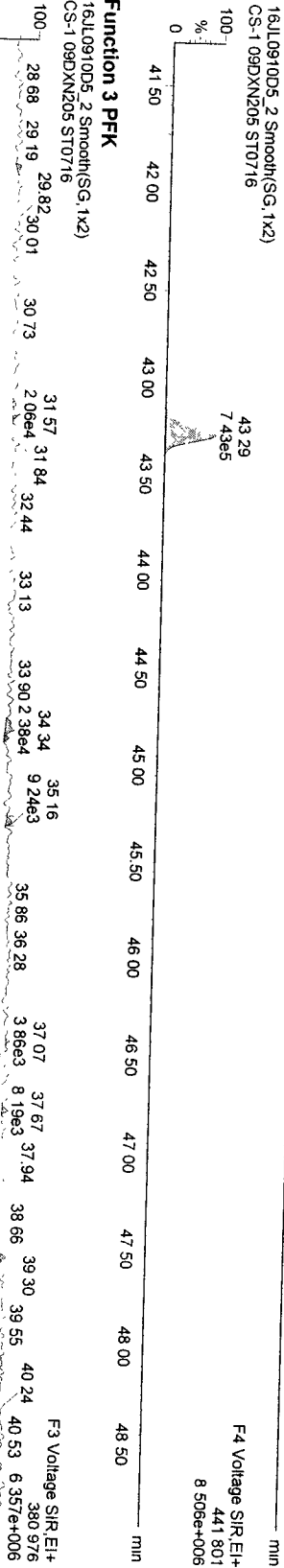
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Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

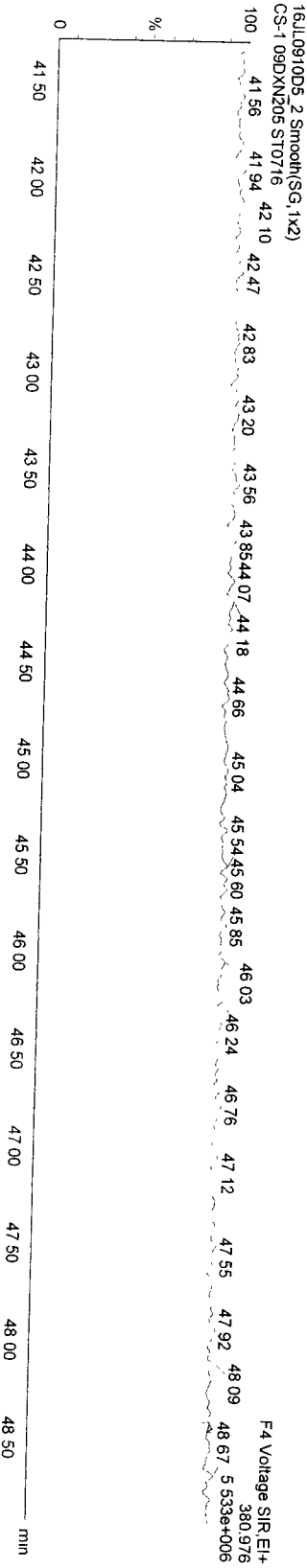
13C-OcCB-202



Function 3 PFK



Function 4 PFK



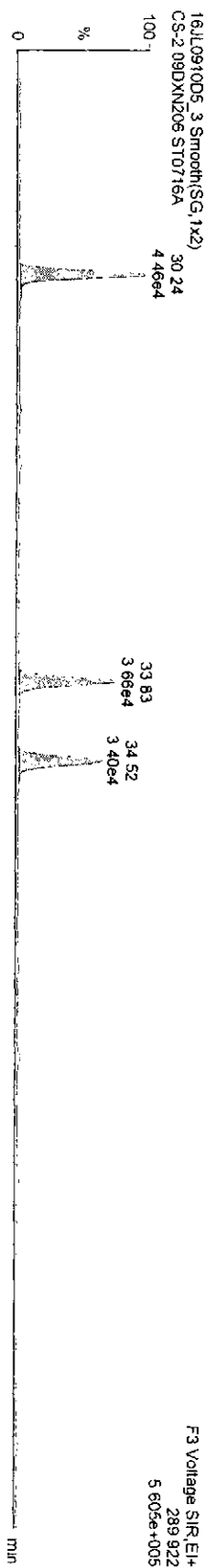
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Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time

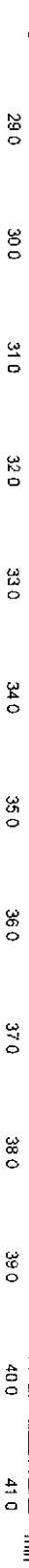
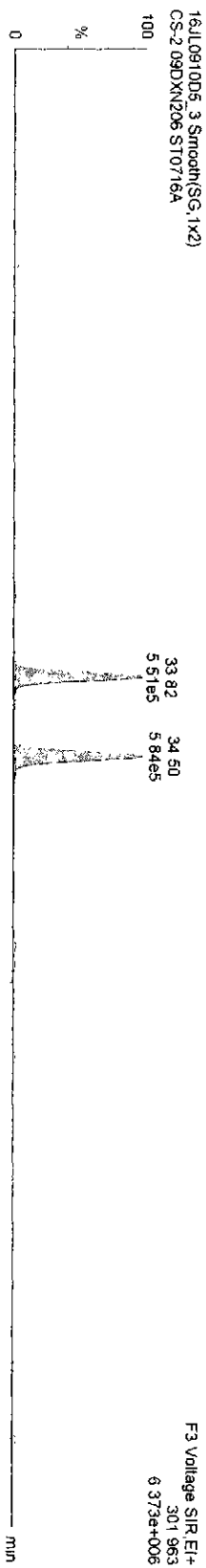
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

**TetraPCBs**



**13C-TetrarPCBs**

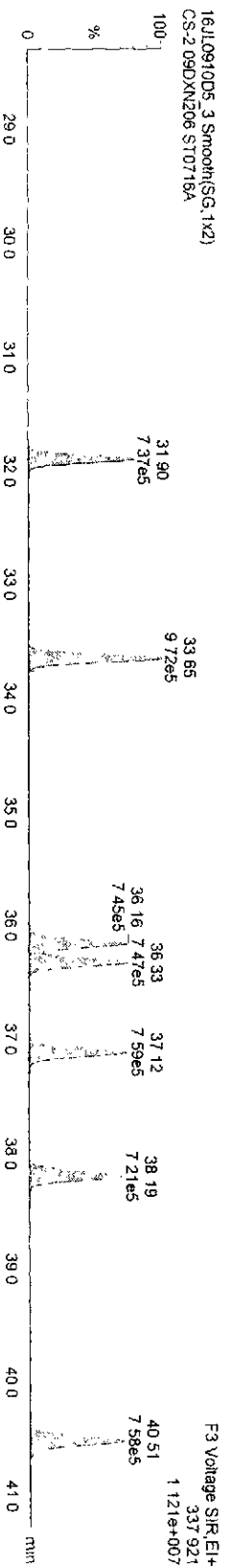
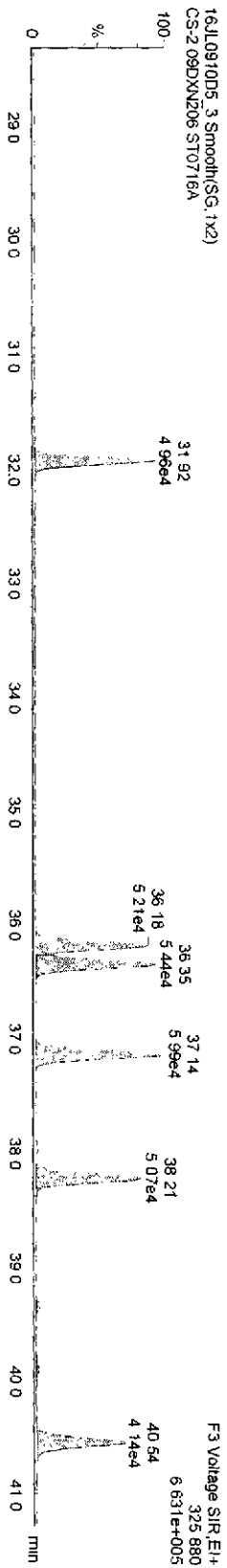
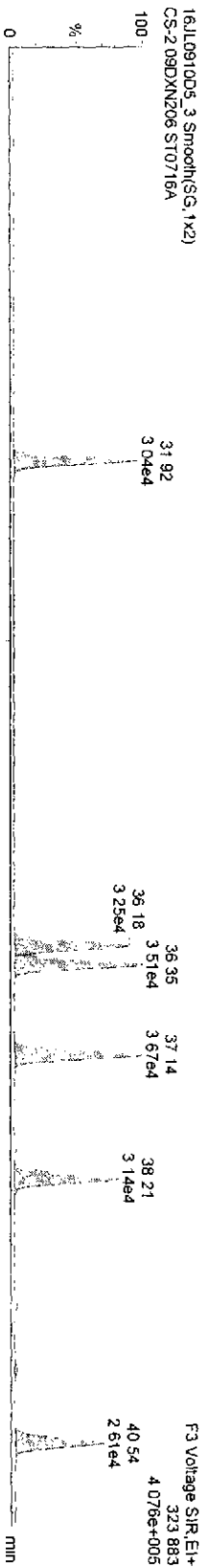


Dataset C:\MassLynx\Default\prol\CA0716200910D51668MSL.qld

Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

PePCBs

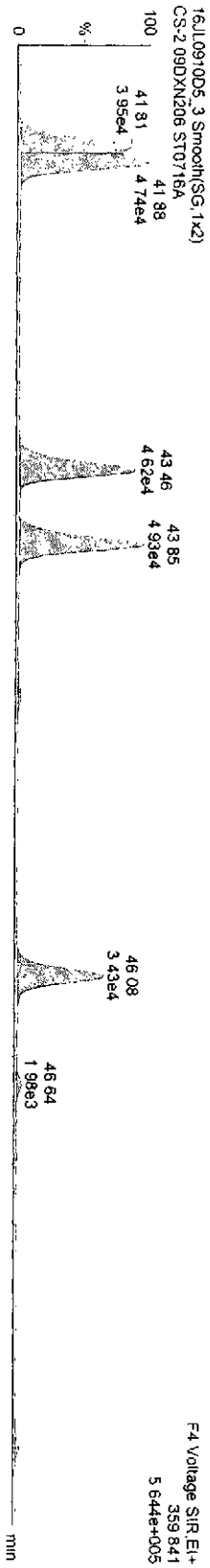


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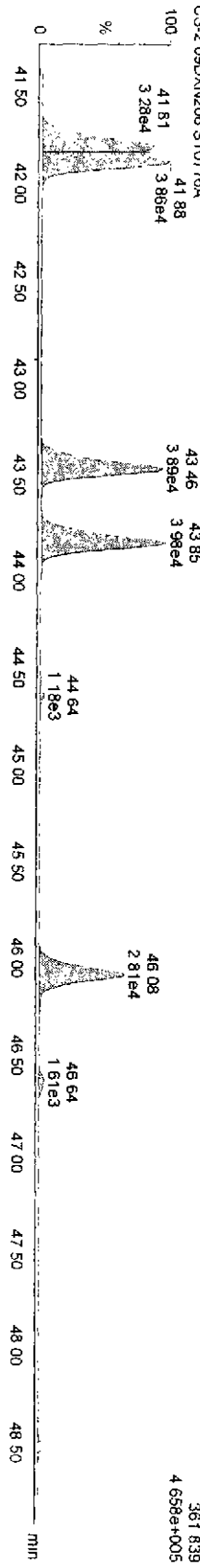
Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

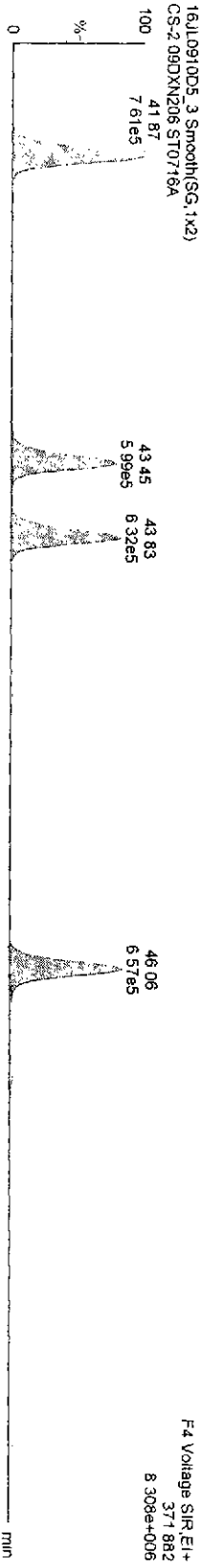
HxPCBs-



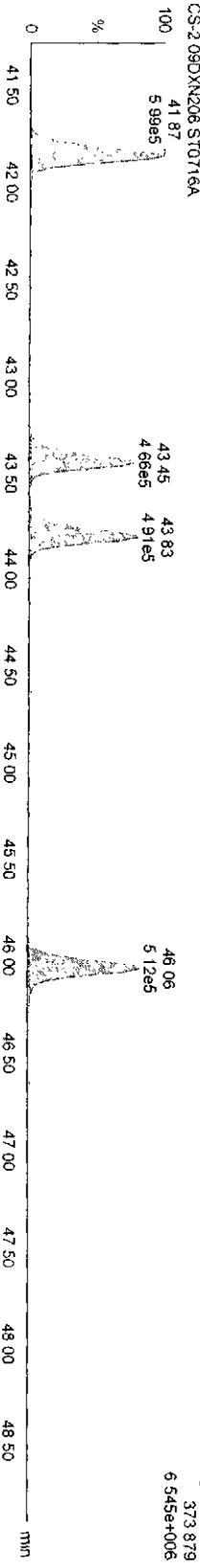
13C-HxPCBs



16L0910D5\_3



16L0910D5\_3



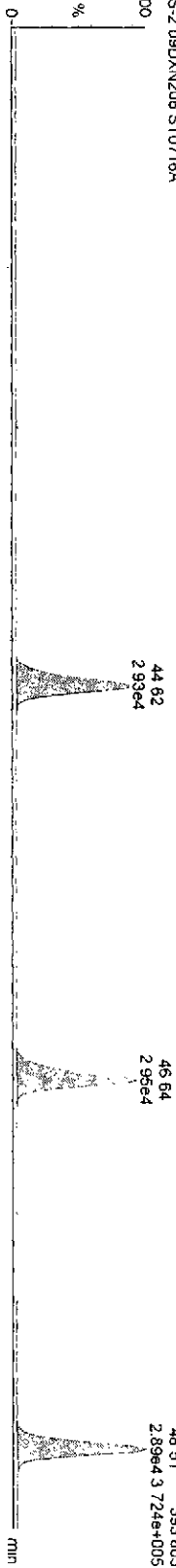
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Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

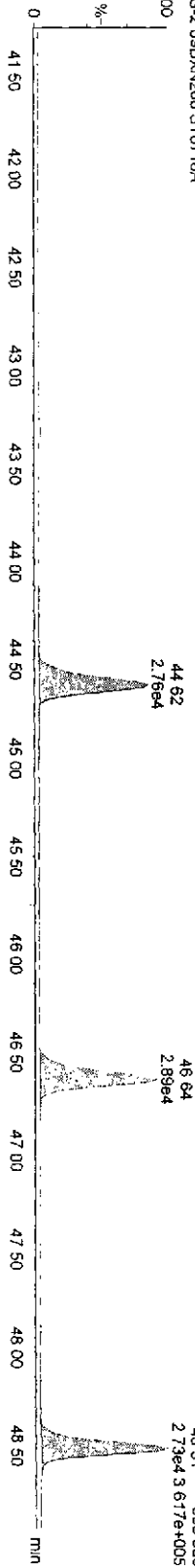
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**HPPCBs**

16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A

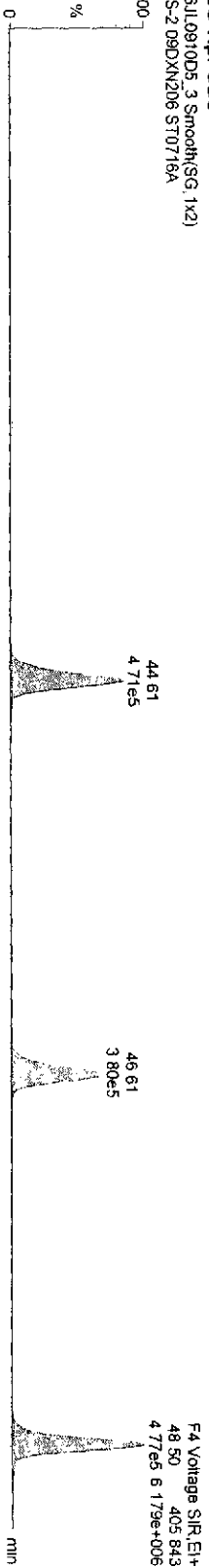


16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A

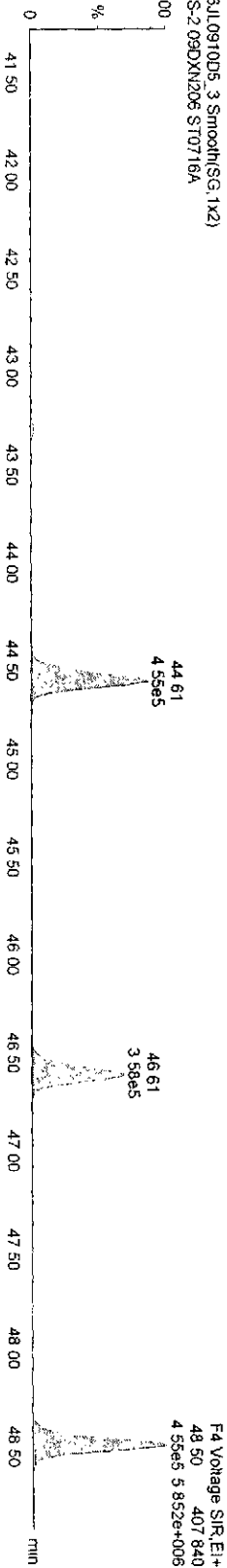


**13C-HPPCBs**

16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A



16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A

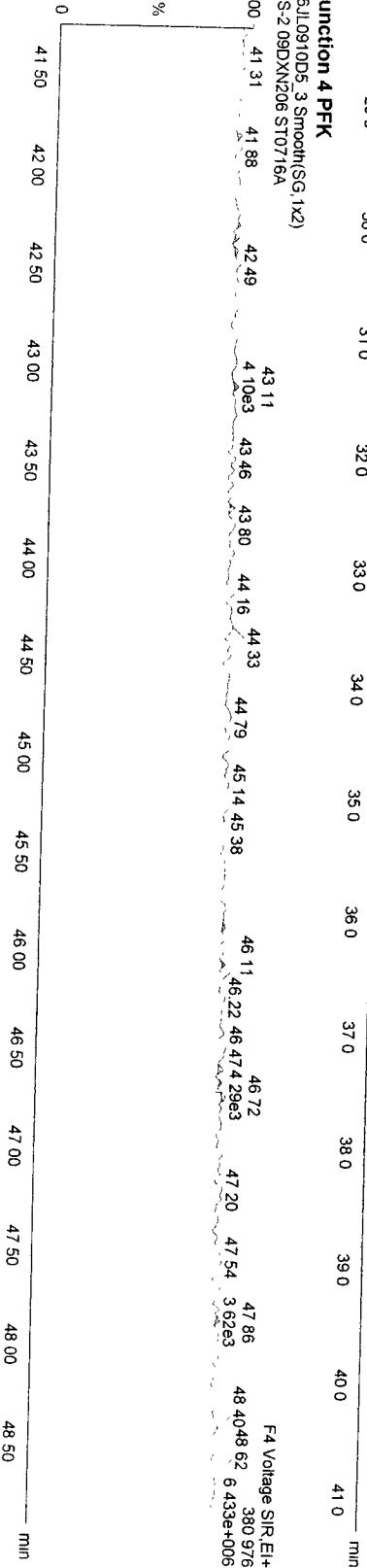
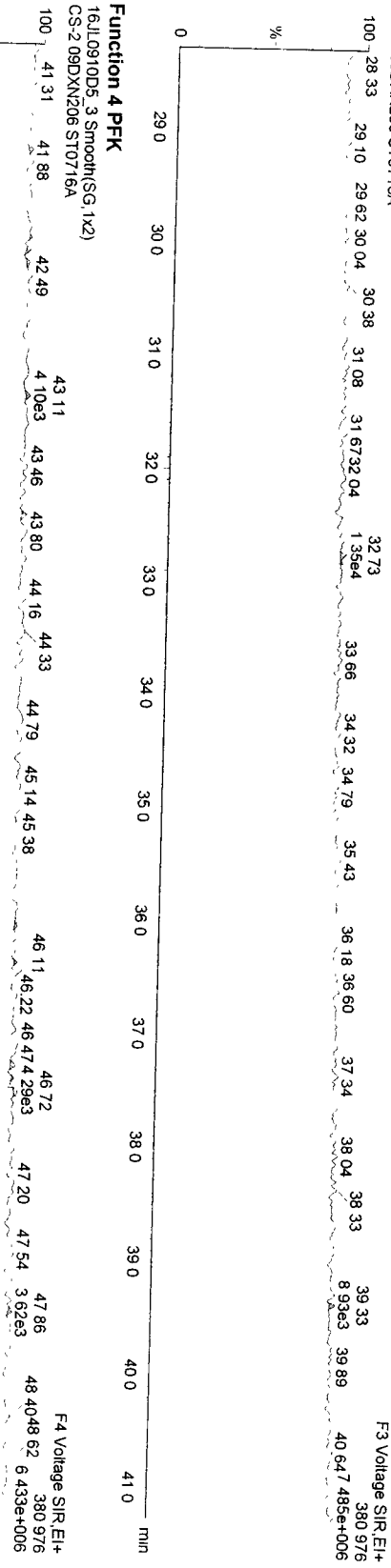
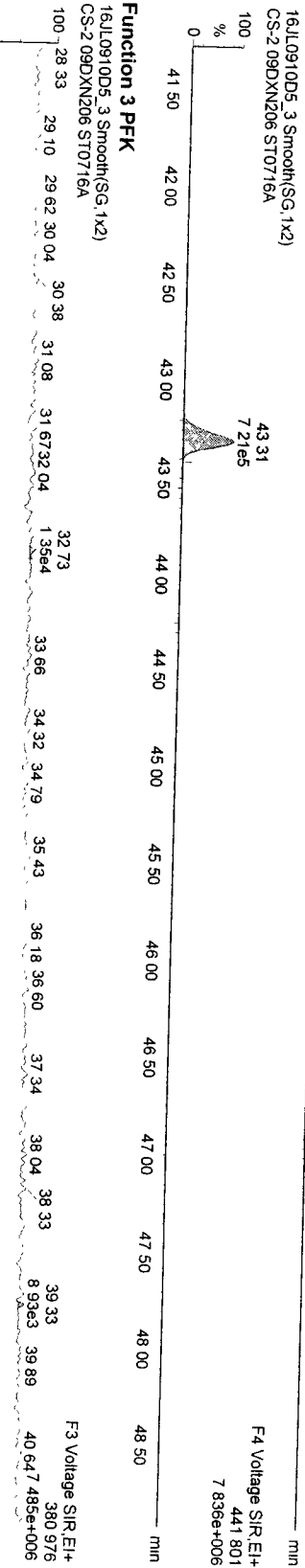


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\proil\CA07162\0910D51668MSL.qld

Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

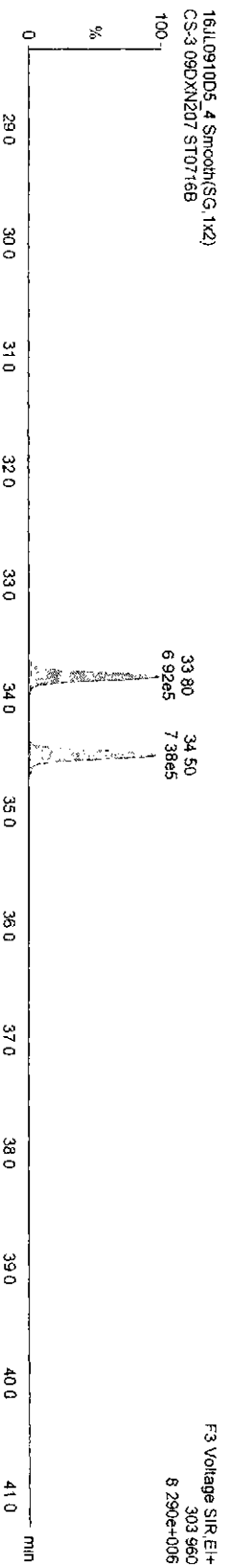
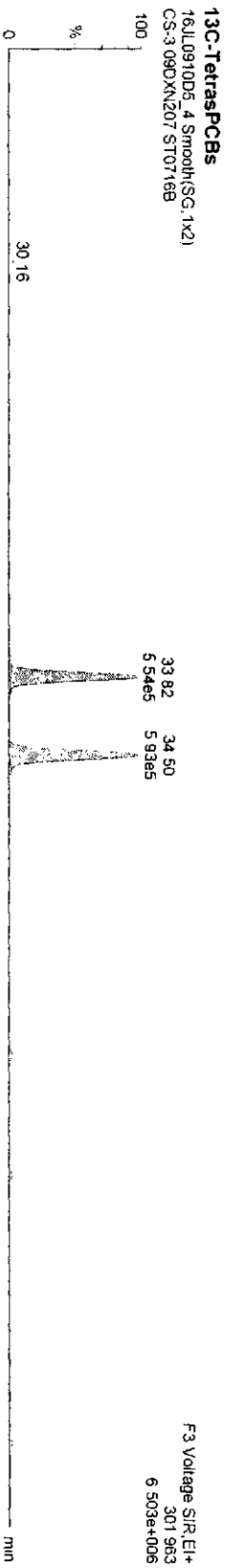
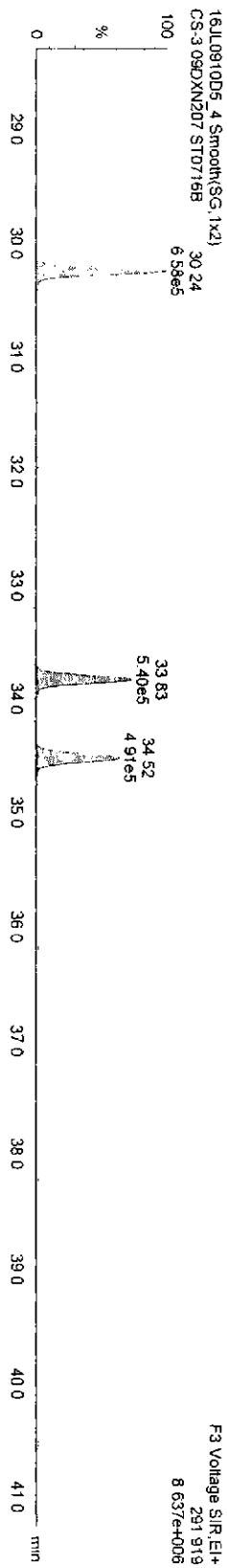
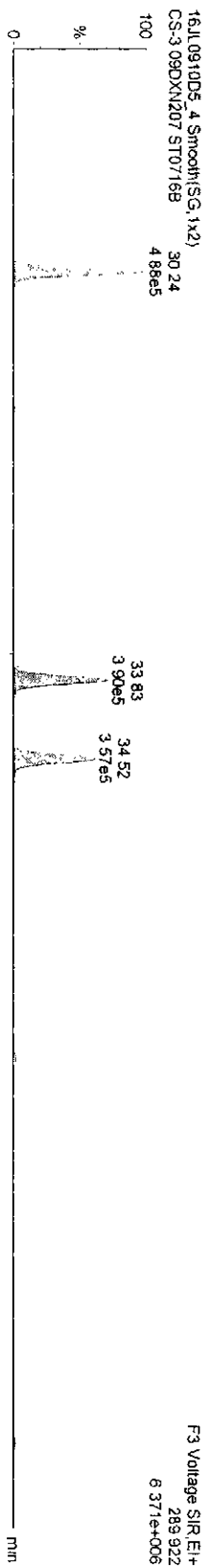


Dataset C:\MassLynx\Default\prol\CA0716200910D51668MSL.qld

Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

**TetraPCBs**

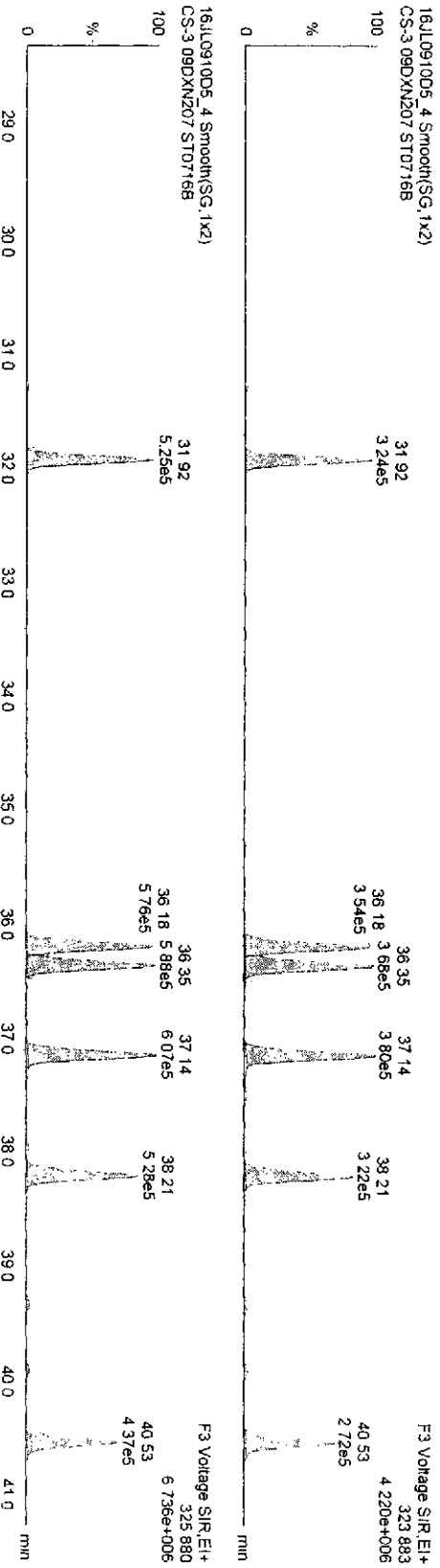


Dataset C:\MassLynx\Default\pro\ICA0716200910D51668MSL.qid

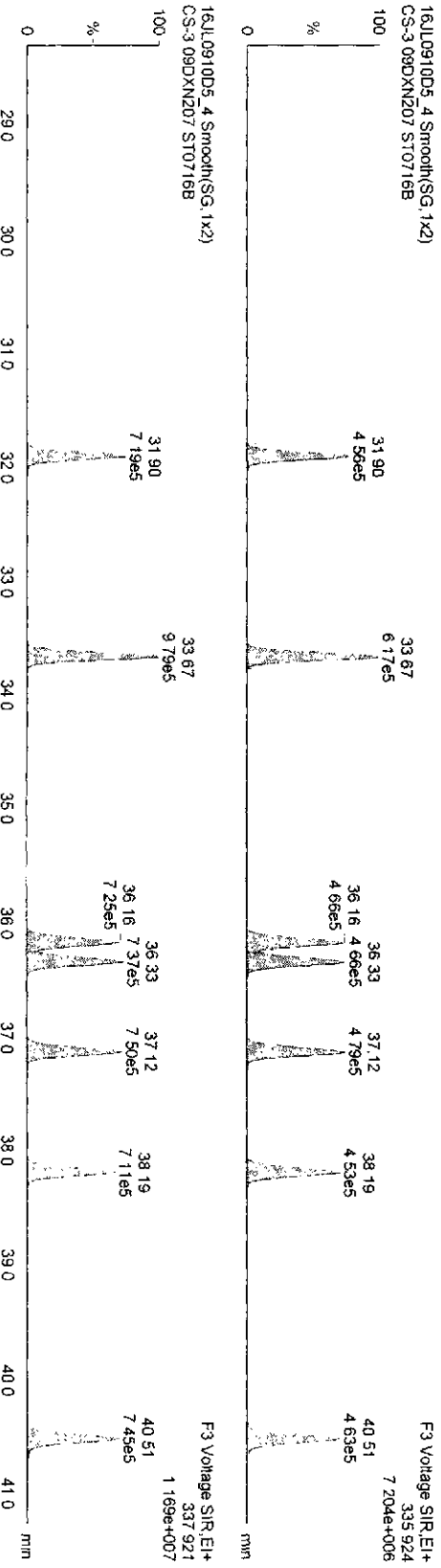
Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST07168, Description: CS-3-09DXN207

PePCBs



13C-PePCBs





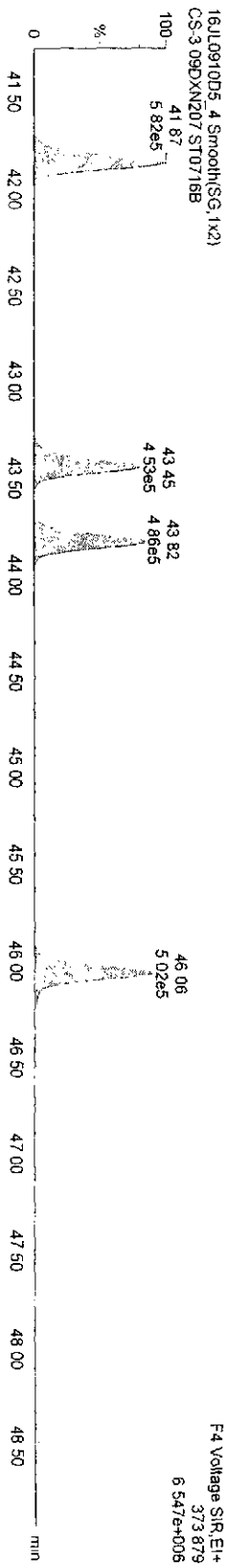
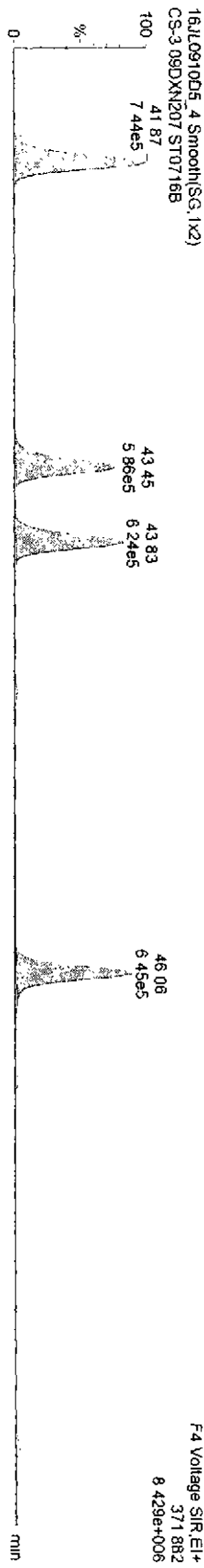
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Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

HxPCBs-



13C-HxPCBs



Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSL.qld

Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time

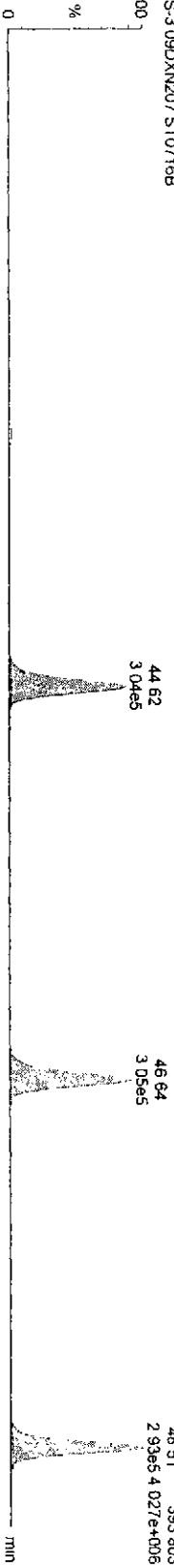
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

**HPPCBs**

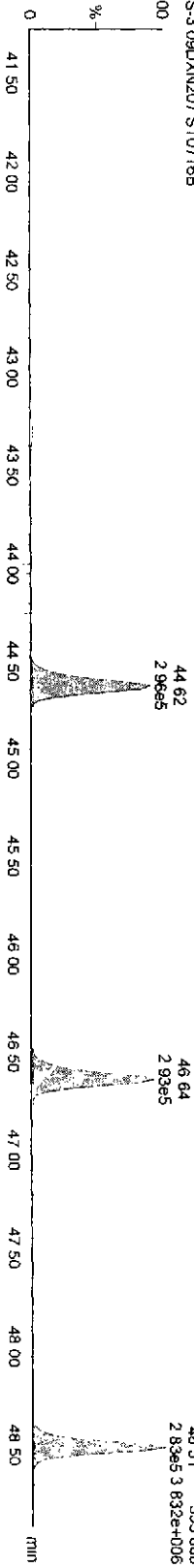
16JUL0910D5\_4.Smooth(SG,1x2)

CS-3-09DXN207 ST0716B



16JUL0910D5\_4.Smooth(SG,1x2)

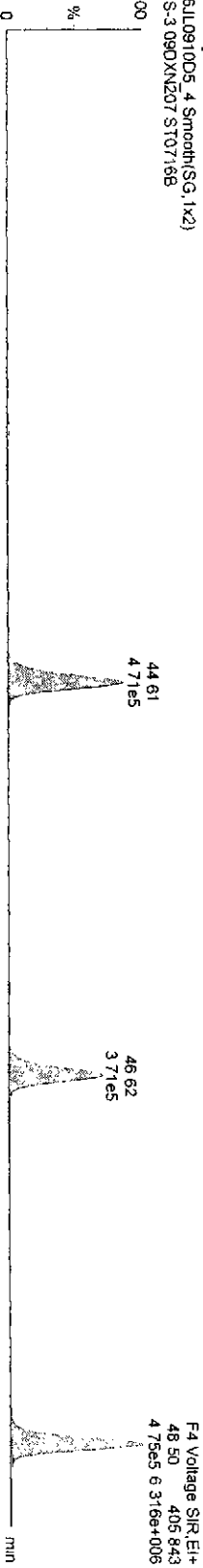
CS-3-09DXN207 ST0716B



**13C-HPPCBs**

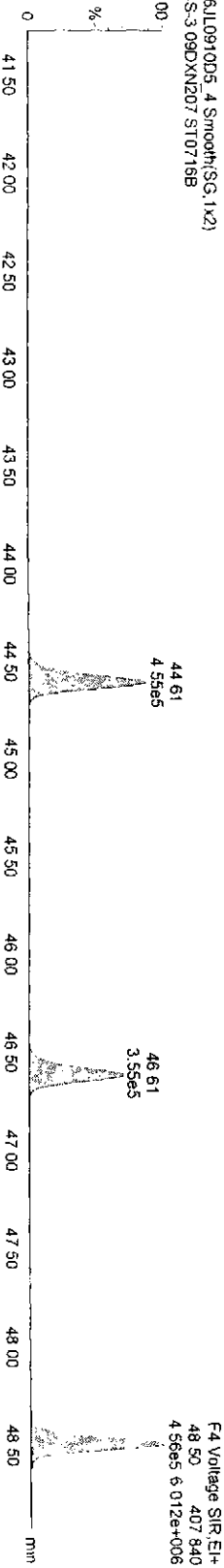
16JUL0910D5\_4.Smooth(SG,1x2)

CS-3-09DXN207 ST0716B



16JUL0910D5\_4.Smooth(SG,1x2)

CS-3-09DXN207 ST0716B

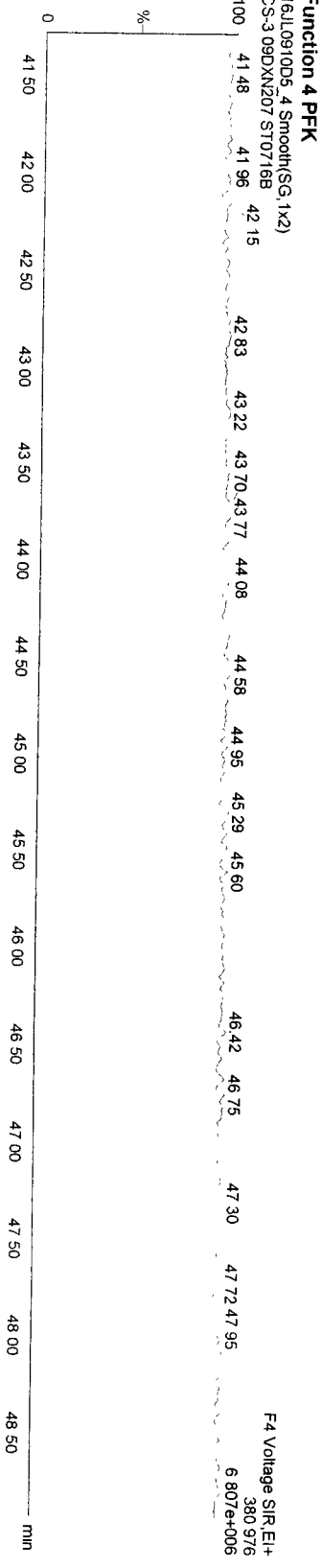
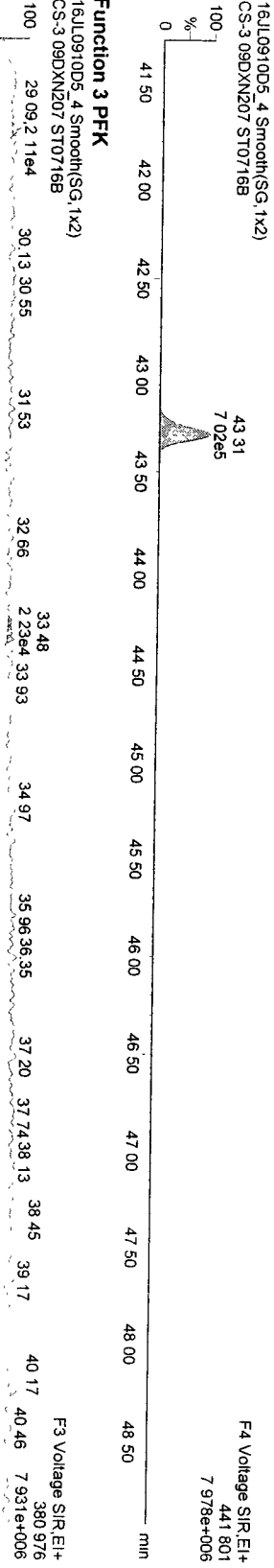
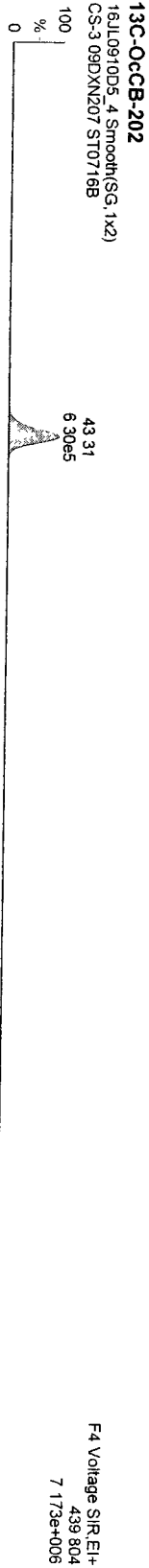


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\ICA0716200910D51668MSL.qld

Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

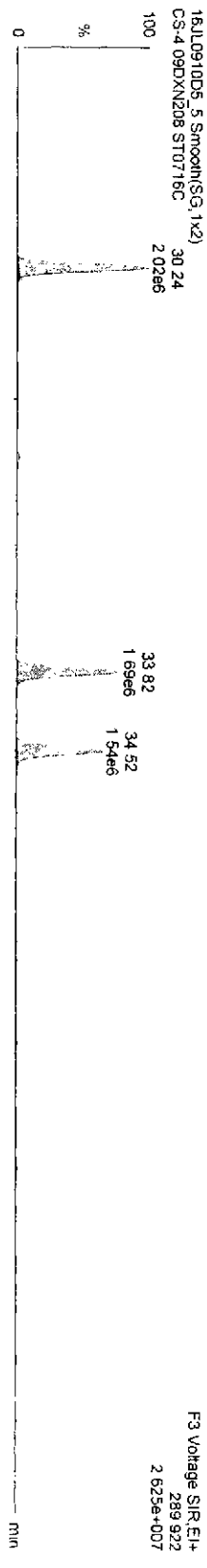


Dataset C:\MassLynx\Default\pro\ICA0716200910D51668MSL.qid

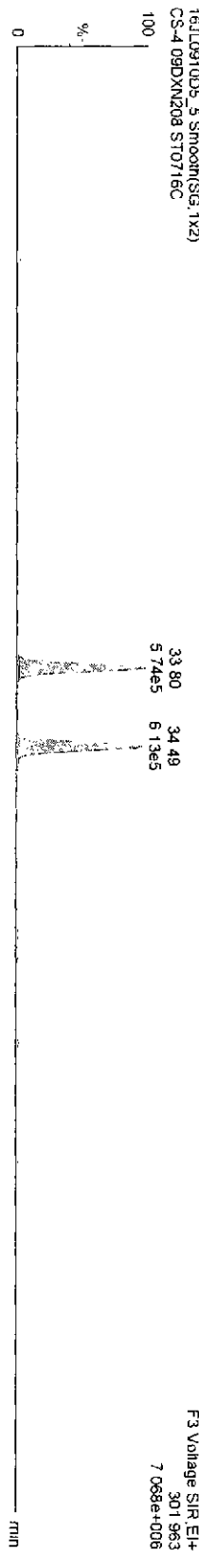
Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4-09DXN208

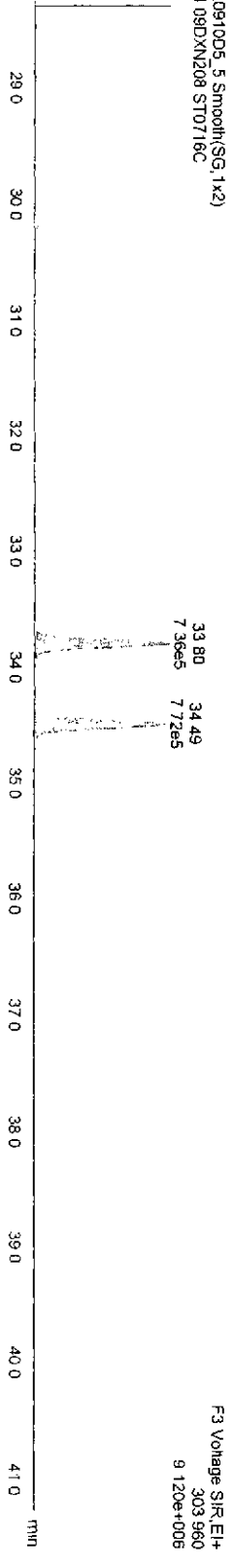
**TetraPCBs**



**13C-TetraPCBs**



**16JL0910D5\_5**

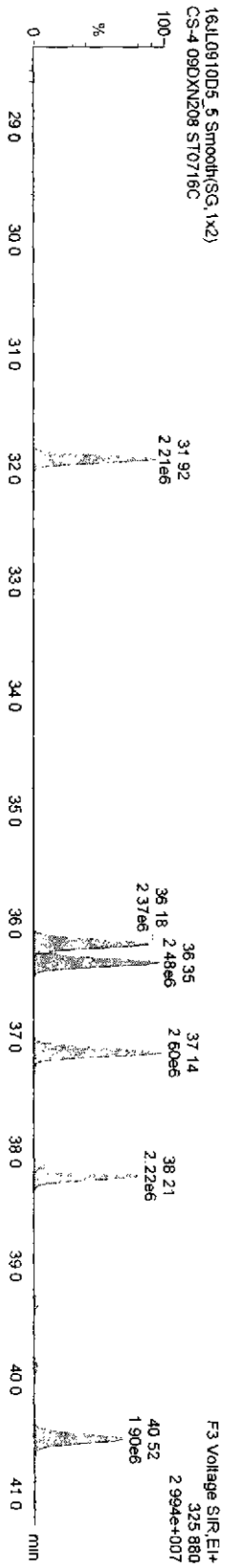
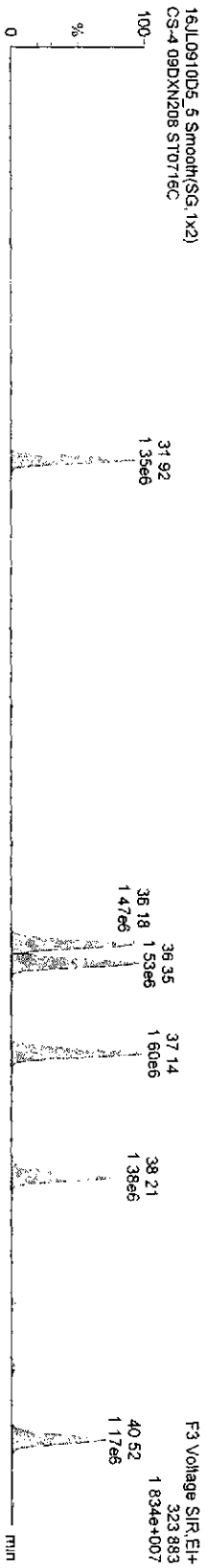


Dataset: C:\MassLynx\Default\pro\ICA0718200910D51668MSL.qid

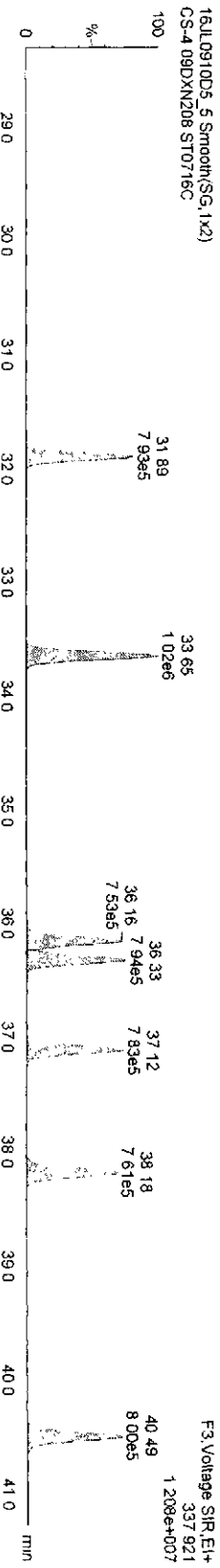
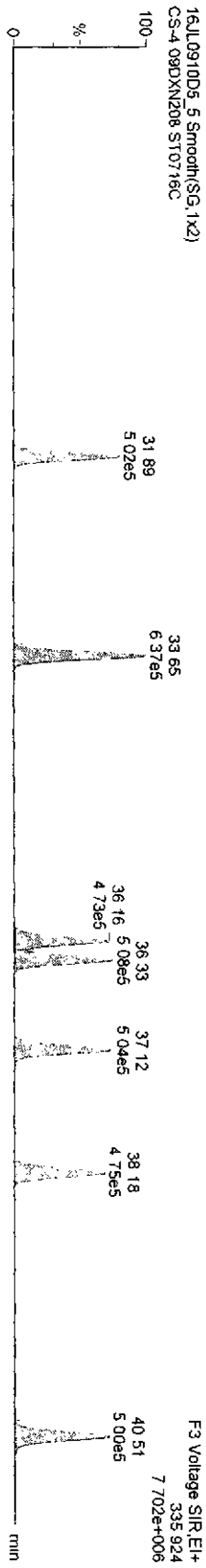
Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4-09DXN208

**PePCBs**



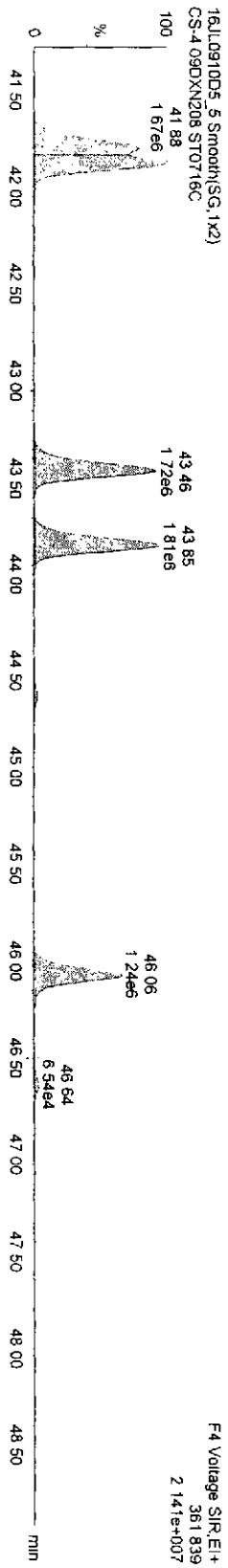
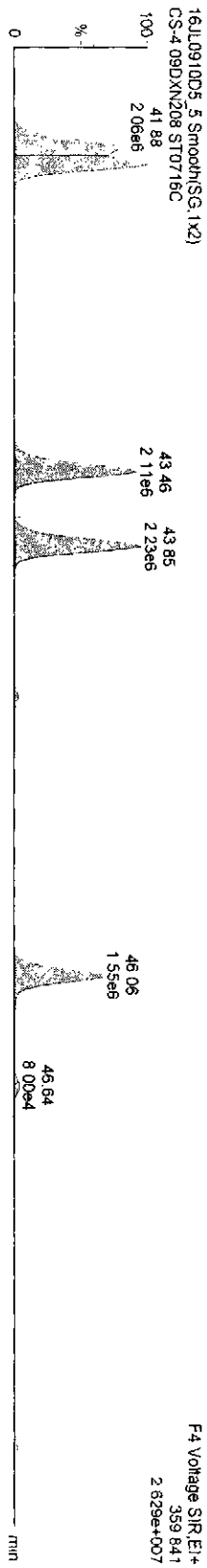
**13C-PePCBs**



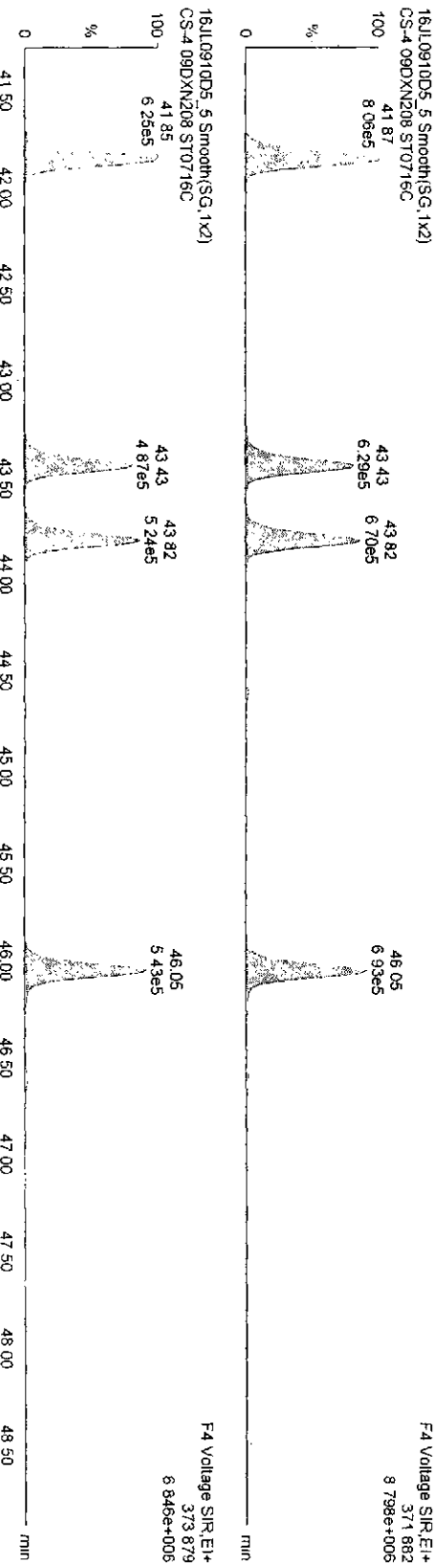
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Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

**HPGCBS-**



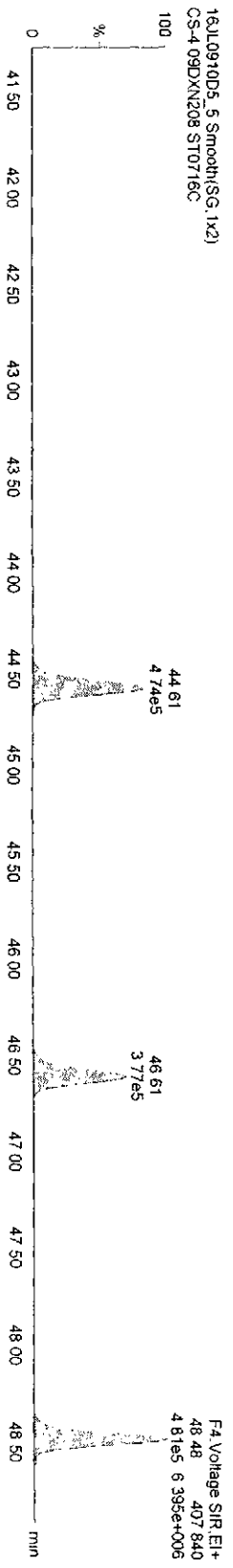
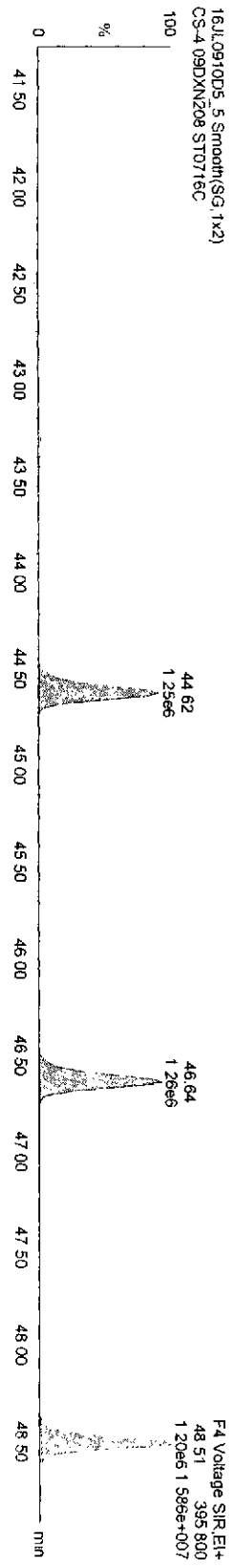
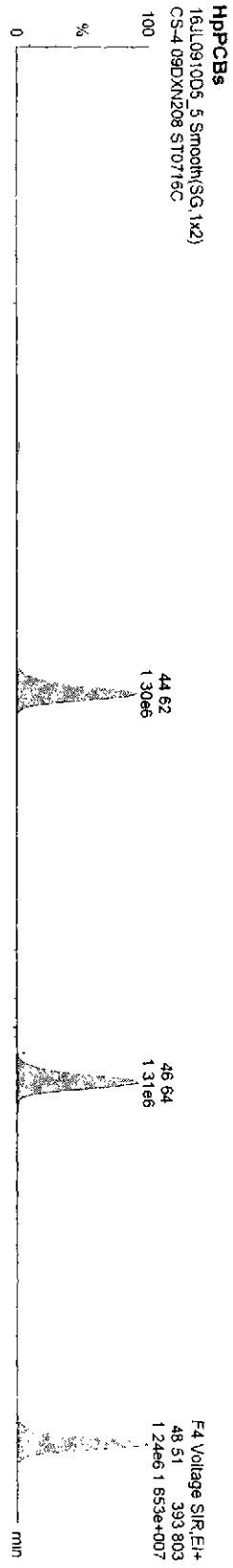
**13C-HPGCBS**



Dataset C:\Masslynx\Default\prol\CA0716200910D51668MSL.qld

Last Altered Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
 Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208



Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\prol\CA07162\00910D51668MSL.qld

Page 24 of 30

Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

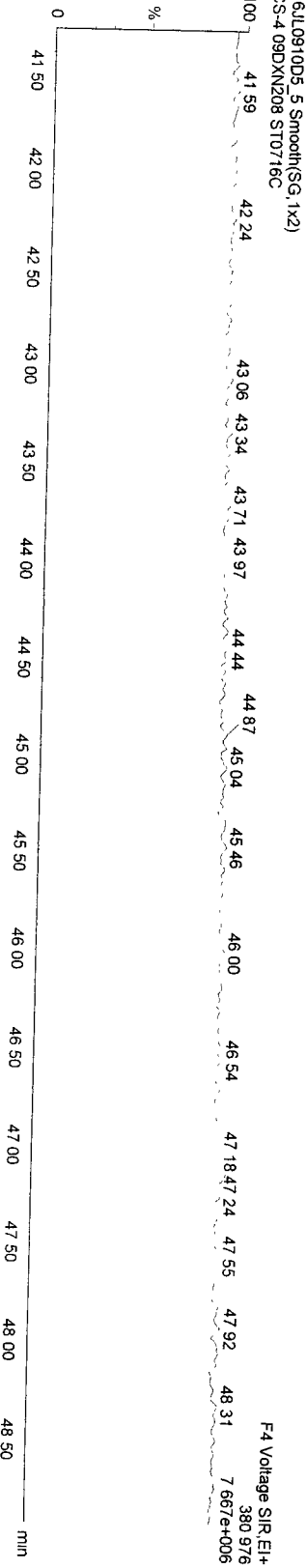
13C-OcCB-202



Function 3 PFK



Function 4 PFK



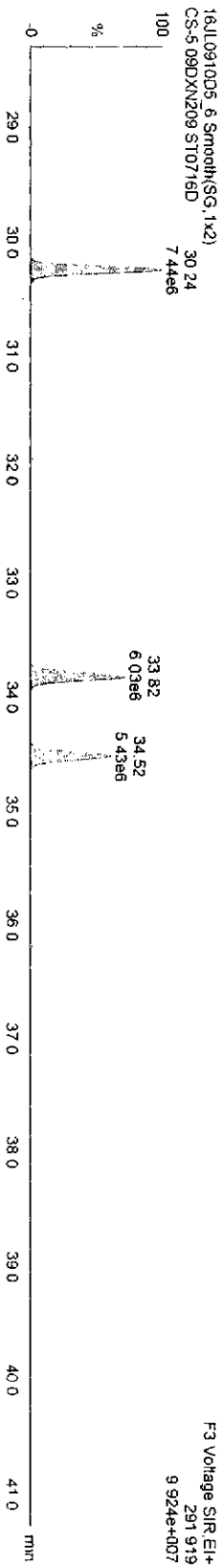
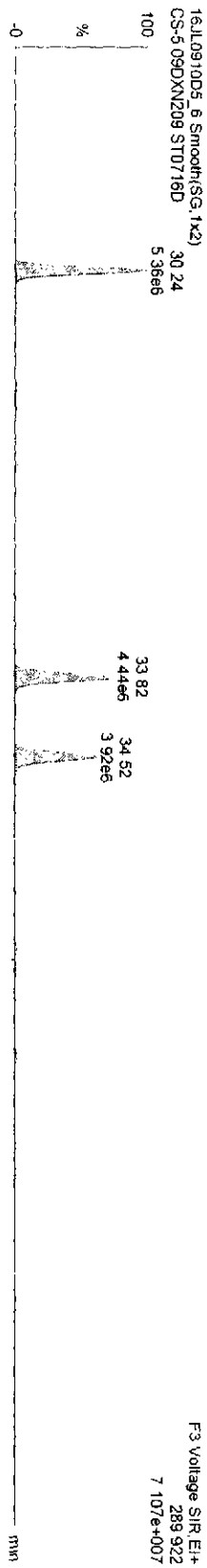


Dataset C:\MassLynx\Default\pro1\CA0716200910D51668MSL.qld

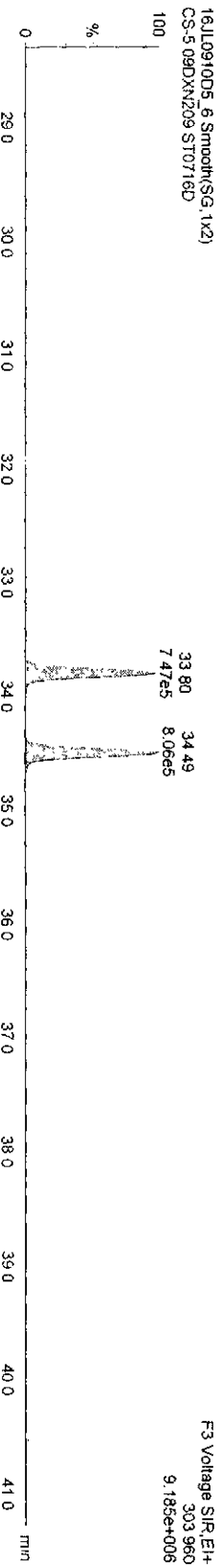
Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

**TetraPCBs**



**13C-TetraPCBs**

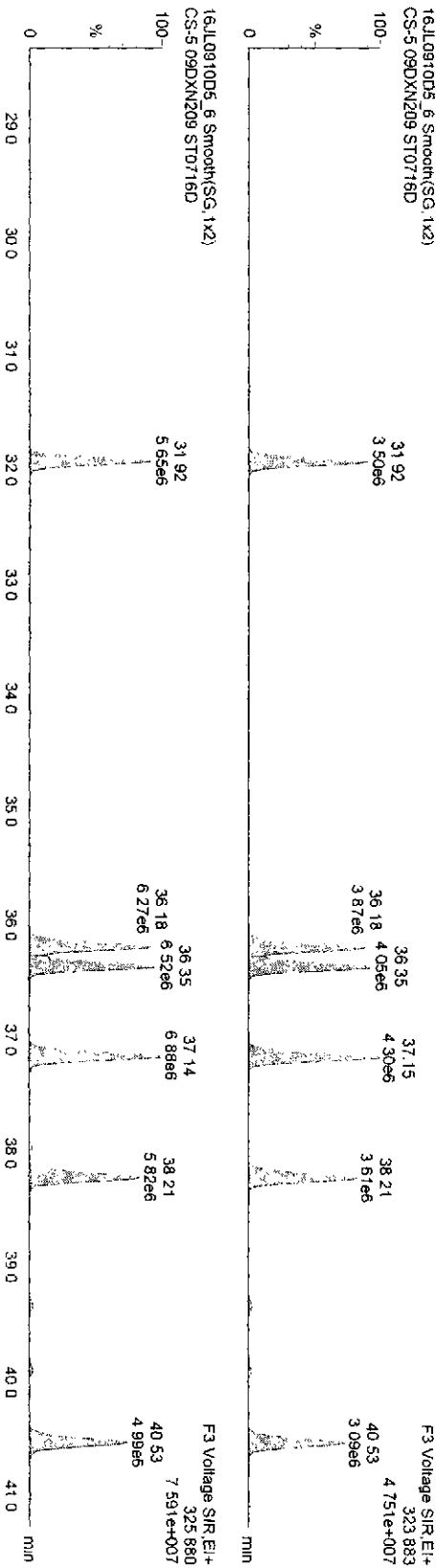


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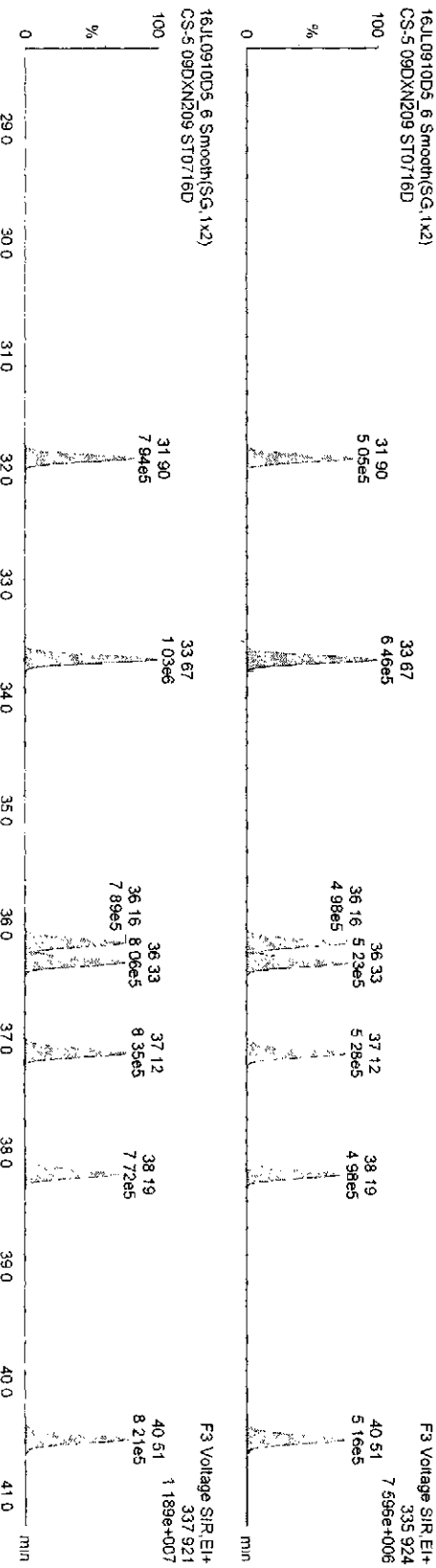
Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

**PaPCBs**



**13C-PaPCBs**

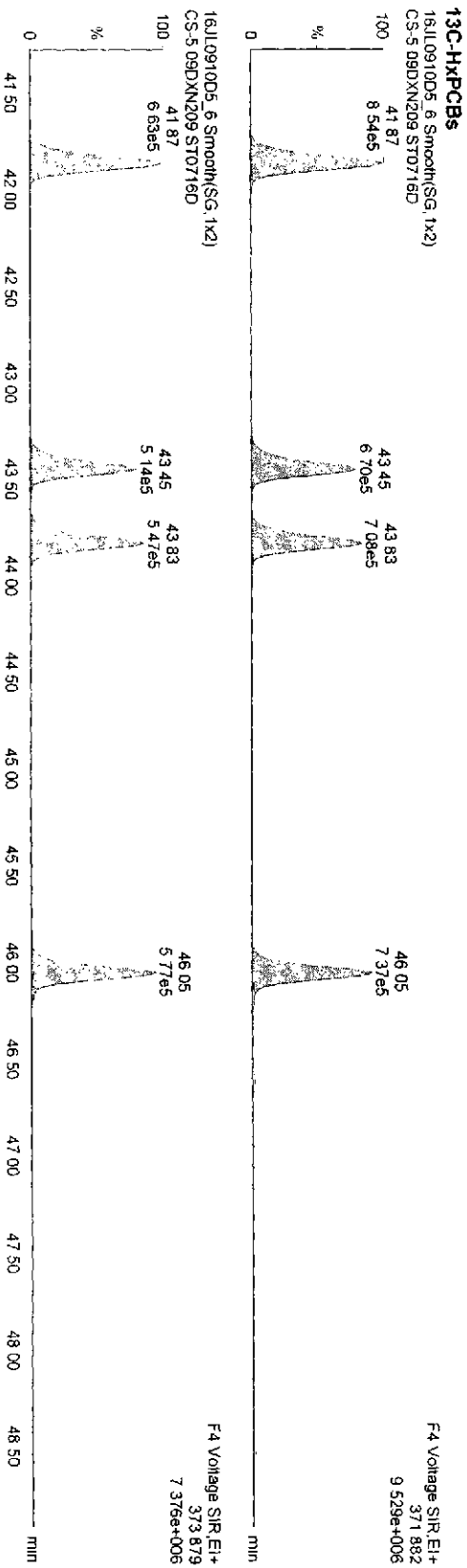
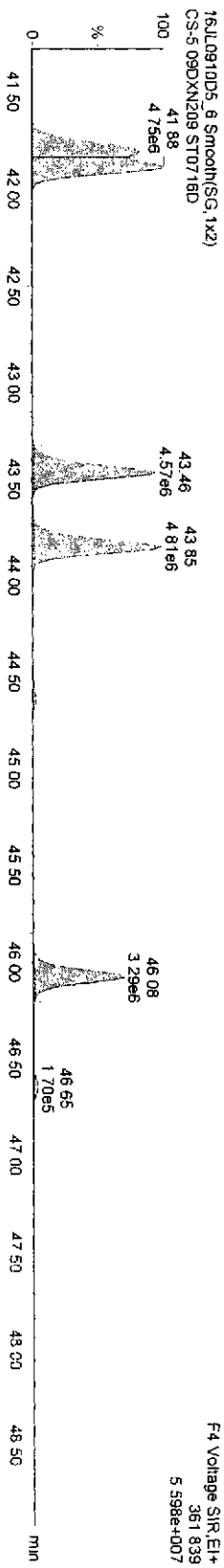
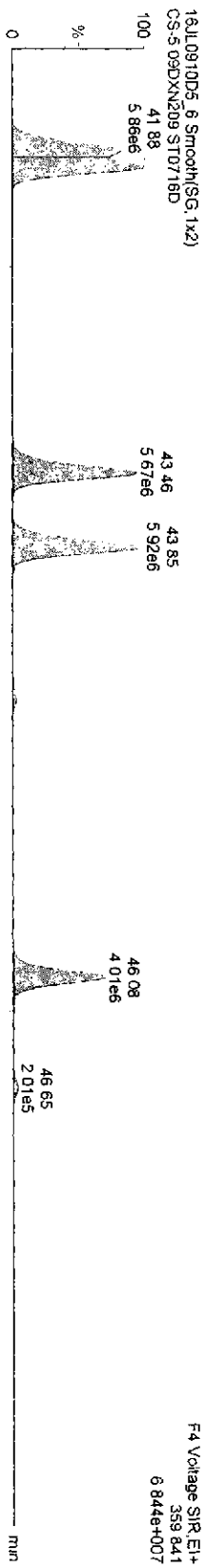


Dataset: C:\Masslynx\Default\prol\CA0716200910D51668MSL.qld

Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

HxPCBs-

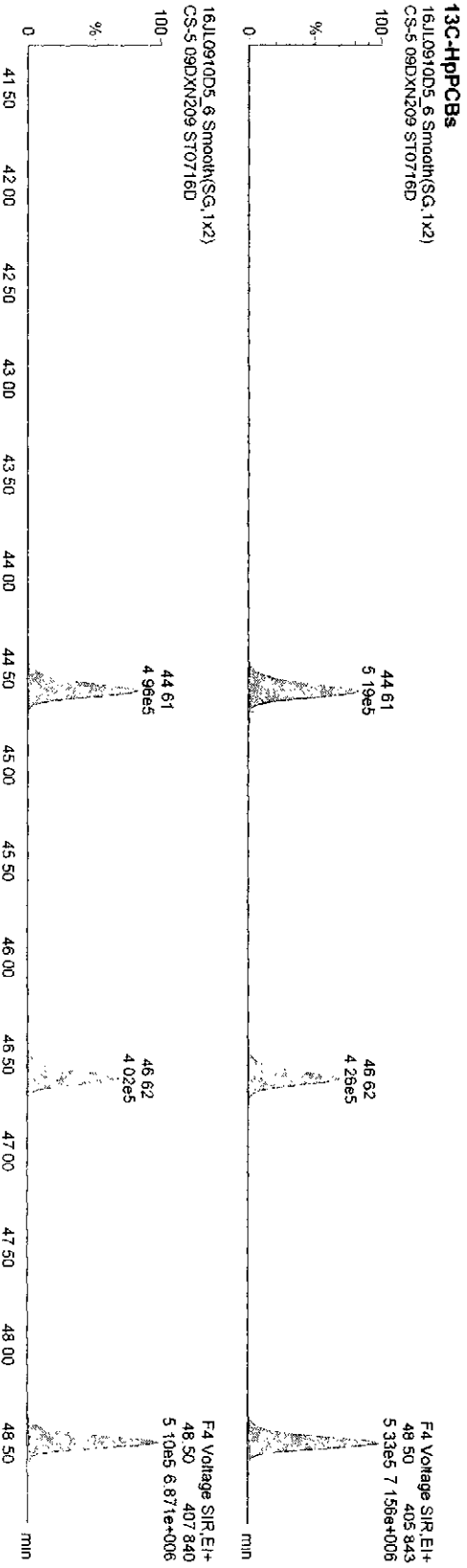
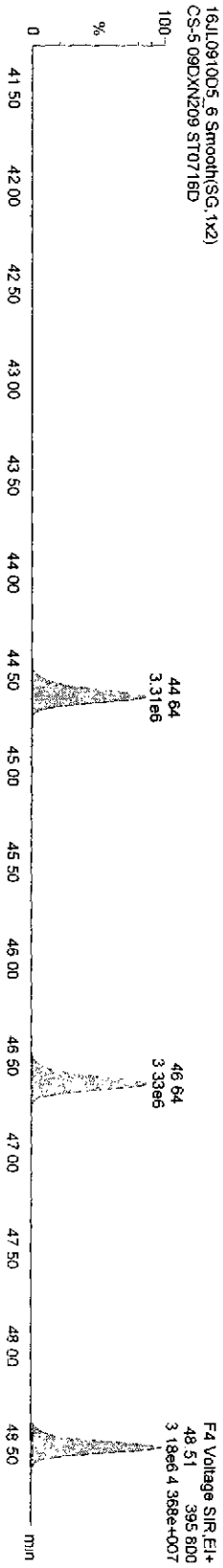
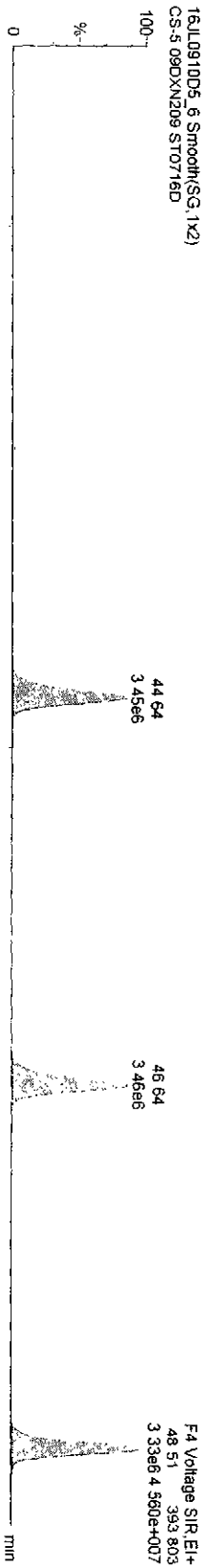


Dataset C:\MassLynx\Default\prol\CA0716200910D51668MSL.qld

Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
 Printed Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

**HPPCBs**



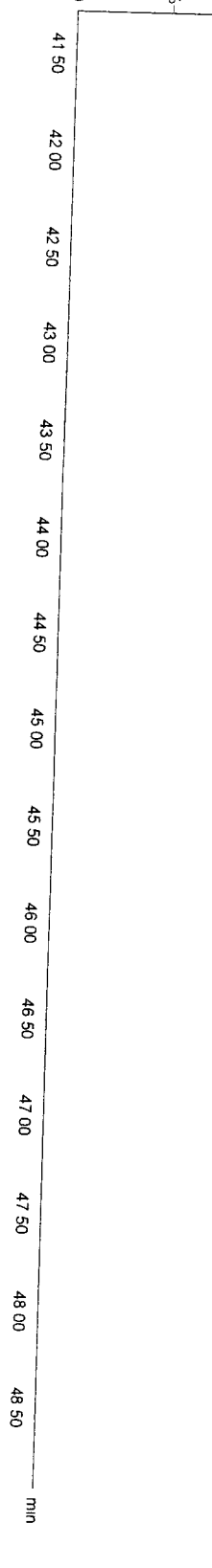
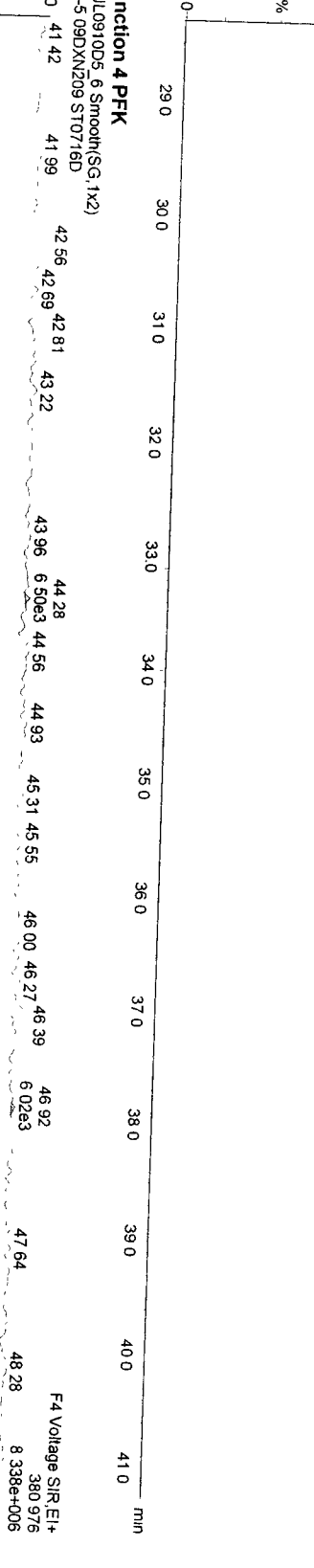
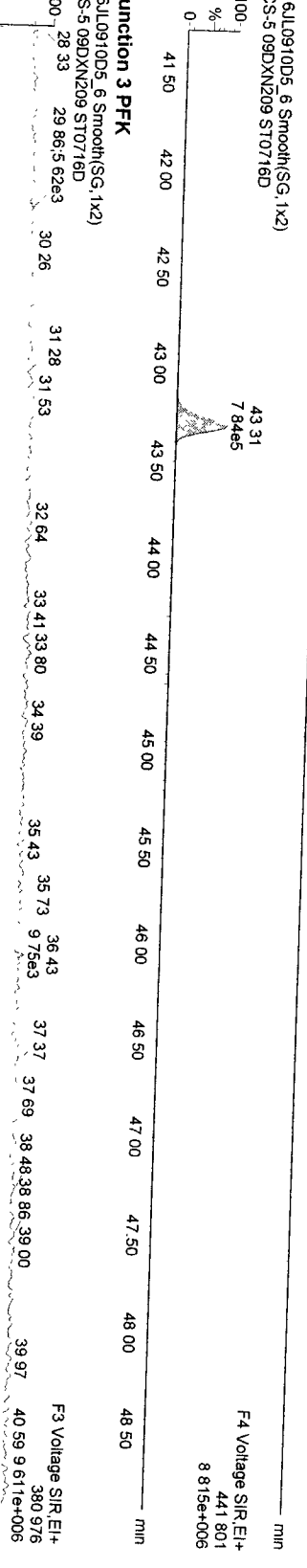
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prof\CA07162\200910D5\1668MSL.qld

Page 30 of 30

Last Altered: Friday, July 17, 2009 8:26:51 AM Pacific Daylight Time  
 Printed: Friday, July 17, 2009 8:29:48 AM Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSL2ndsource.qld

Last Altered: Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
 Printed: Tuesday, July 21, 2009 15:57:44 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 21 Jul 2009 07:34:24  
 Calibration: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Name: 16JL09100D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

# Name	Trace	Sample Size	RT	Ptd RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335 924	1.000	31.90	32.13	1.00000		1470466.81	100.0000	100.0000	100.0	0.05400	0.65	NO	
2														
3 13C-TeCB-81	301.963	1.000	33.82	33.85	1.03984		1610148.06	105.3037	105.3037	105.3	0.05886	0.79	NO	
4 TeCB-81	289.922	1.000	33.83	33.83	1.45839		2117289.38	90.1658	90.1658		0.04653	0.74	NO	
5 13C-TeCB-77	301.963	1.000	34.50	34.55	1.10430		1683224.19	103.6572	103.6572	103.7	0.05543	0.79	NO	
6 TeCB-77	289.922	1.000	34.52	34.52	1.27061		1973168.13	92.2595	92.2595		0.05143	0.76	NO	
7														
8 13C-PeCB-123	335.924	1.000	36.16	36.18	0.99324		1532208.75	104.9083	104.9083	104.9	0.05436	0.63	NO	
9 PeCB-123	323.883	1.000	36.20	36.18	1.50539		1759145.25	76.2668	76.2668		0.05843	0.62	NO	
10 13C-PeCB-118	335.924	1.000	36.33	36.35	1.02407		1572983.44	104.4572	104.4572	104.5	0.05273	0.64	NO	
11 PeCB-118/106	323.883	1.000	36.37	36.35	1.52536		3508659.50	146.2330	146.2330		0.05702	0.62	NO	
12 13C-PeCB-114	335.924	1.000	37.12	37.14	1.03691		1612395.63	105.7488	105.7488	105.7	0.05207	0.64	NO	
13 PeCB-114	323.883	1.000	37.15	37.14	1.58603		1671774.44	65.3723	65.3723		0.05337	0.62	NO	
14 13C-PeCB-105	335.924	1.000	38.19	38.21	0.98151		1520435.63	105.3461	105.3461	105.3	0.05501	0.65	NO	
15 PeCB-105/127	323.883	1.000	38.23	38.21	1.43326		3561897.75	163.4509	163.4509		0.06446	0.62	NO	
16 13C-PeCB-126	335.924	1.000	40.51	40.56	1.02999		1545906.50	102.0695	102.0695	102.1	0.05242	0.63	NO	
17 PeCB-126	323.883	1.000	40.54	40.54	1.15582		1658692.44	92.8312	92.8312		0.08124	0.62	NO	
18														
19 13C-OCCB-202	439.804	1.000	43.31	43.51	1.00000		1688443.75	100.0000	100.0000	100.0	0.02037	0.90	NO	
20														
21 13C-HXCB-167	371.882	1.000	41.87	41.90	1.00247		1715750.19	101.3672	101.3672	101.4	0.04312	1.27	NO	
22 HXCB-167	359.841	1.000	41.90	41.90	1.34796		1659150.94	71.7388	71.7388		0.03818	1.08	NO	
23 13C-HXCB-156	371.882	1.000	43.45	43.48	0.78510		1364232.75	102.9140	102.9140	102.9	0.05505	1.29	NO	
24 HXCB-156	359.841	1.000	43.48	43.48	1.68840		1803329.50	78.2908	78.2908		0.03726	1.23	NO	
25 13C-HXCB-157	371.882	1.000	43.83	43.87	0.83526		1446005.38	102.5319	102.5319	102.5	0.05175	1.29	NO	
26 HXCB-157	359.841	1.000	43.87	43.85	1.65965		1723649.81	71.8229	71.8229		0.03615	1.22	NO	
27 13C-HXCB-169	371.882	1.000	46.06	46.11	0.87128		1475827.50	100.3211	100.3211	100.3	0.04961	1.26	NO	
28 HXCB-169	359.841	1.000	46.08	46.10	1.09832		1474839.81	90.9875	90.9875		0.05244	1.21	NO	
29														
30 13C-HpCB-180	405.843	1.000	44.61	44.62	0.68403		1195299.69	103.4944	103.4944	103.5	0.03057	1.04	NO	
31 HpCB-180	383.803	1.000	44.64	44.64	1.30035		1268602.00	81.6184	81.6184		0.05965	1.04	NO	

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSL2\ndsource.qld

Last Altered: Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
 Printed: Tuesday, July 21, 2009 15:57:44 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

# Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32 13C-HpCB-170	405 843	1 000	46 62	46 64	0.54773	966535.94	104 5113	104 5113	104 5	0.03818	1 06	NO	
33 HpCB-170	393 803	1 000	46 65	46 64	1.61501	1170576.13	74.9906	74.9906	102.5	0.05931	1 03	NO	
34 13C-HpCB-189	405 843	1 000	48 50	48 48	0.69767	1207214 94	102 4822	102 4822	102.5	0.02997	1 04	NO	
35 HpCB-189	393.803	1 000	48.51	48 53	1.23073	1325001.06	89 1805	89 1805	102.5	0.05490	1 04	NO	
36													
37 13C-PeCB-111	335 924	1 000		33 67	1.30475							NO	
38													
39 Function 3 PFK	380 976	1 000								0 00			
40 Function 4 PFK	380 976	1 000								0 00			

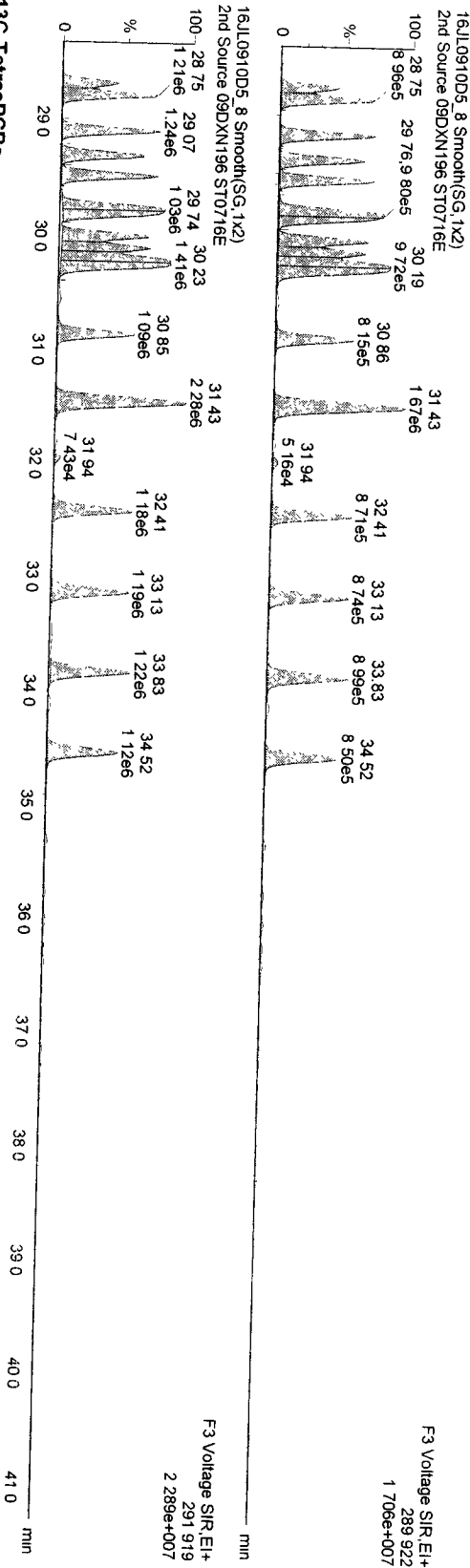
Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSL2ndsource.qld

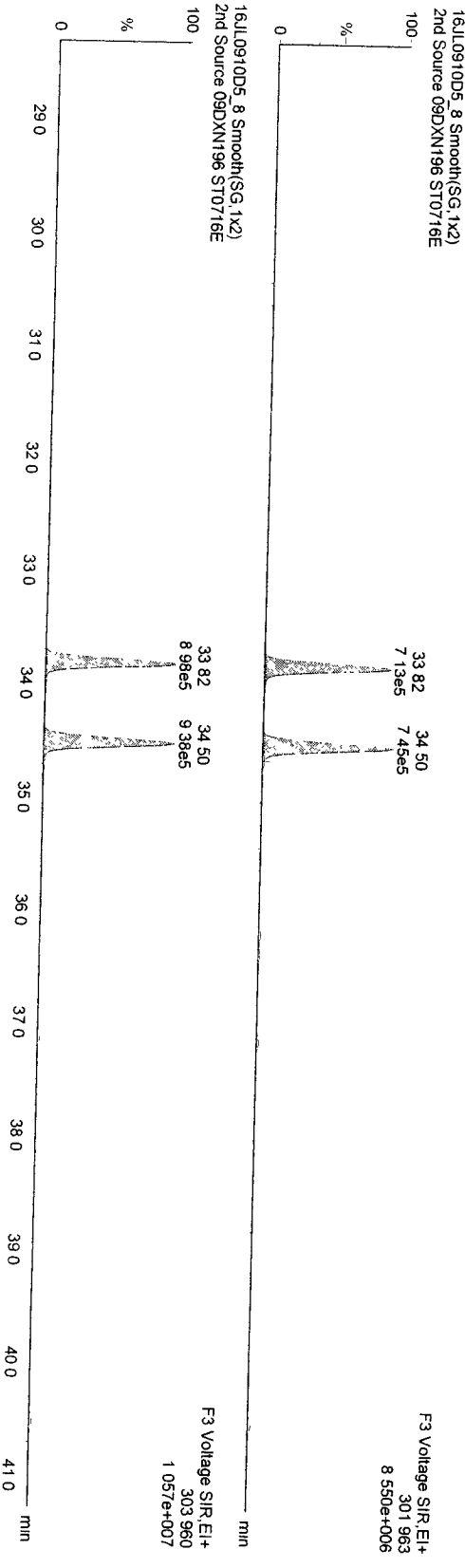
Last Altered: Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
Printed: Tuesday, July 21, 2009 15:58:00 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

TetraPCBs



13C-TetrastPCBs



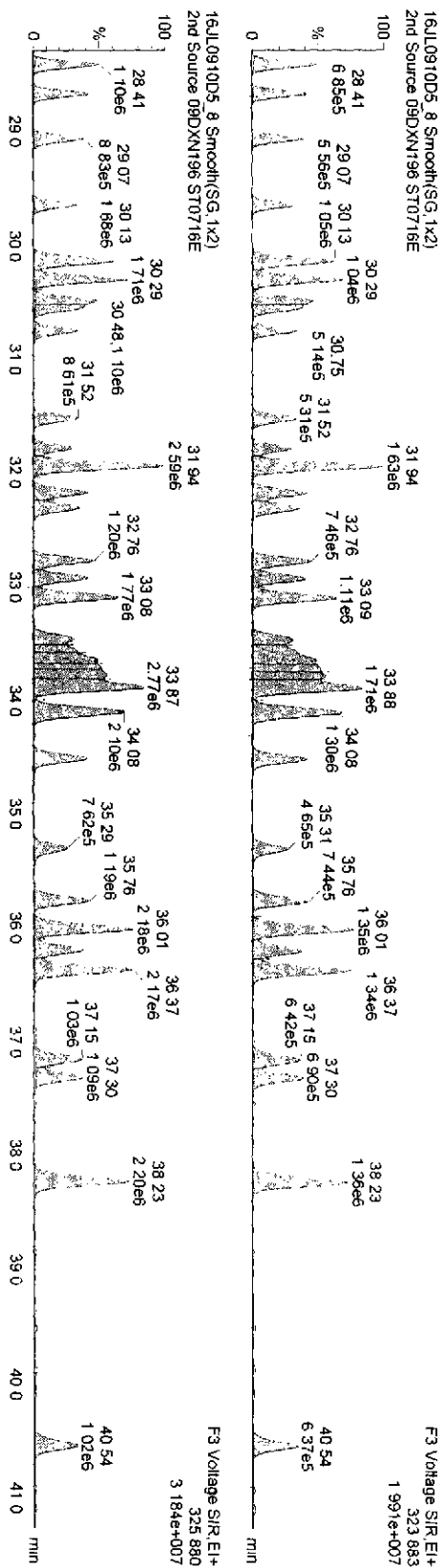


Dataset: C:\Masslynx\Default\proj\CA0716200910D51668MSL2\ndsource.qld

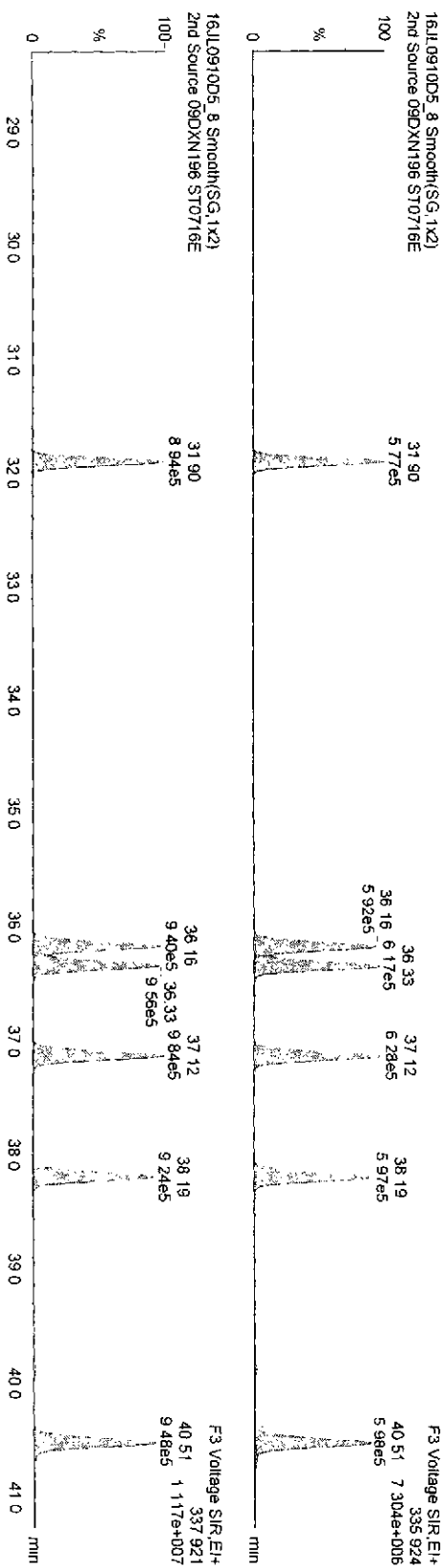
Last Altered: Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
Printed: Tuesday, July 21, 2009 15:58:00 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

PePCBs



13C-PePCBs

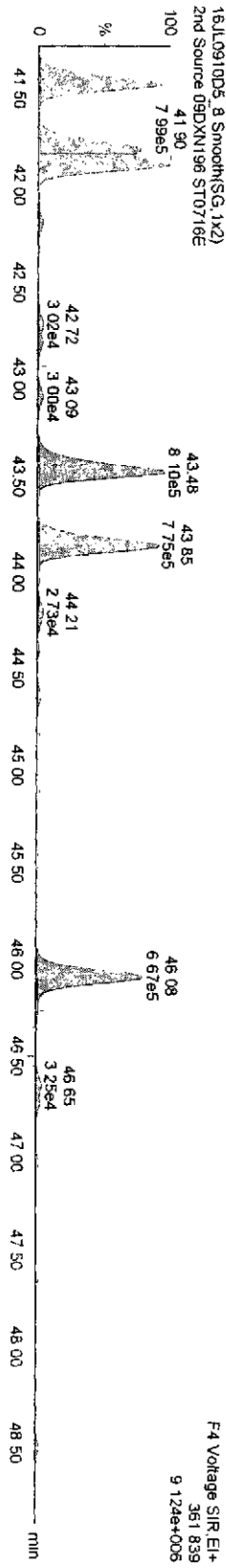
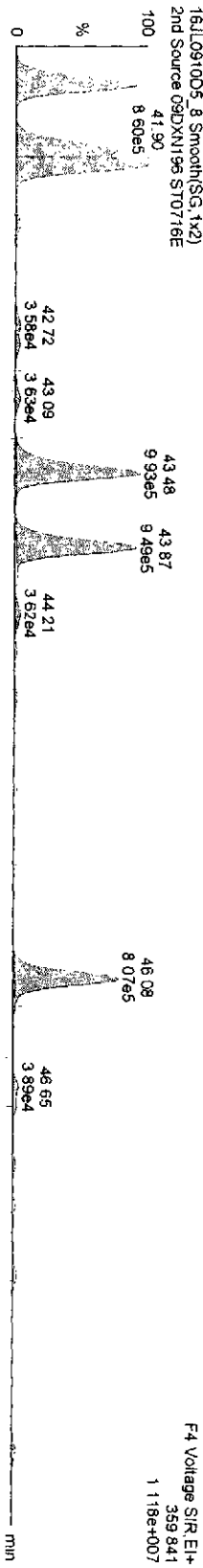


Dataset: C:\MassLynx\Default\prol\CA07162\200910D51668MSL2\ndsource.qld

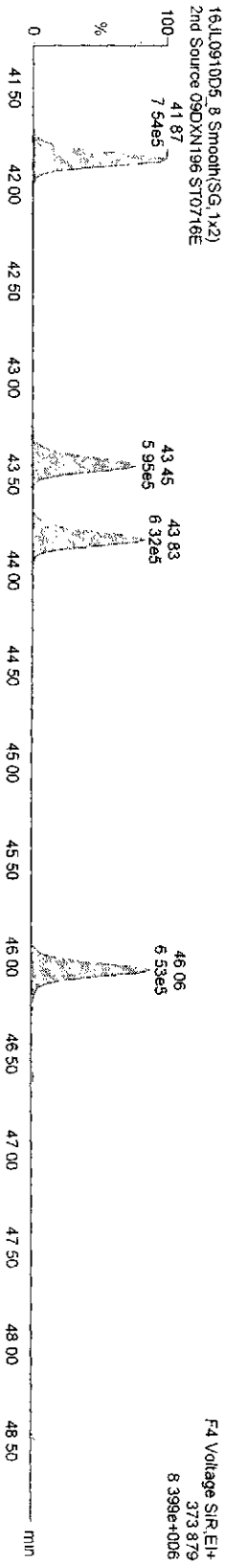
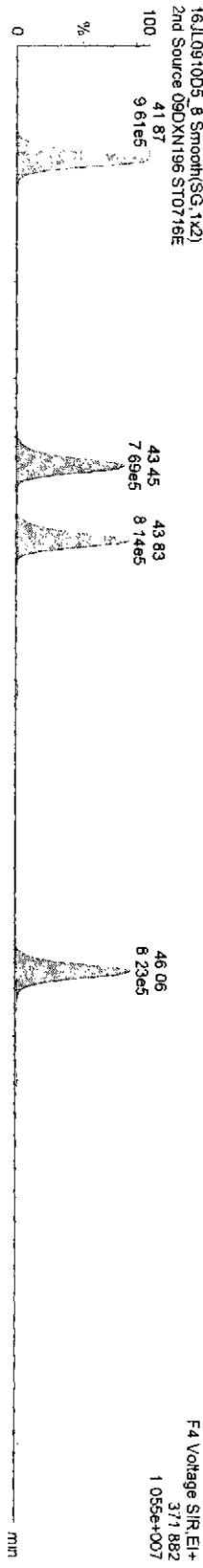
Last Altered: Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
Printed: Tuesday, July 21, 2009 15:58:00 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

HxPCBs-



13C-HxPCBs



Quantify Sample Report MassLynx 4.1

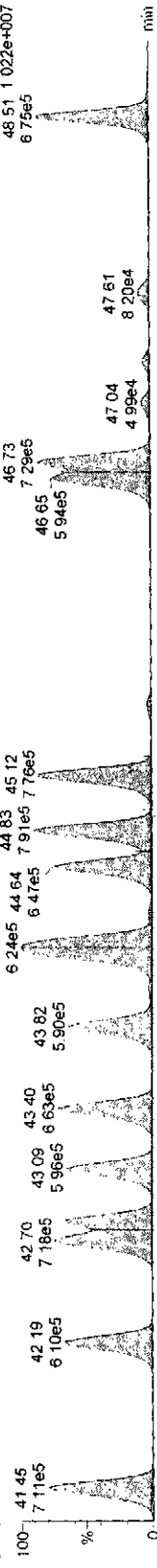
Dataset C:\MassLynx\Default\prn\CA0716200910D51668MSL2ndsource.qld

Last Altered: Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
Printed: Tuesday, July 21, 2009 15:58:00 Pacific Daylight Time

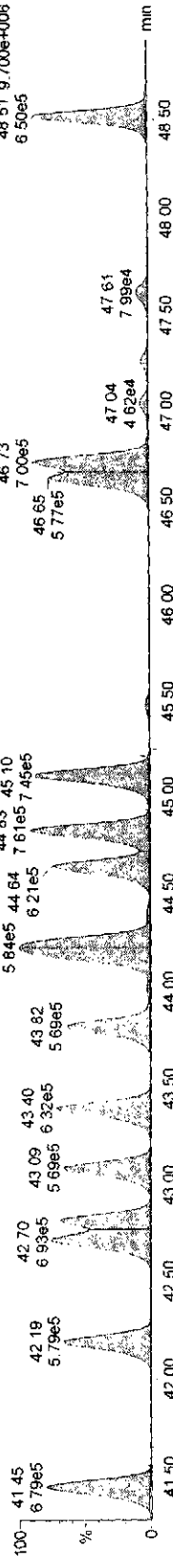
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HpPCBs

16JL0910D5\_8 Smooth(SG:1x2)  
2nd Source 09DXN196 ST0716E

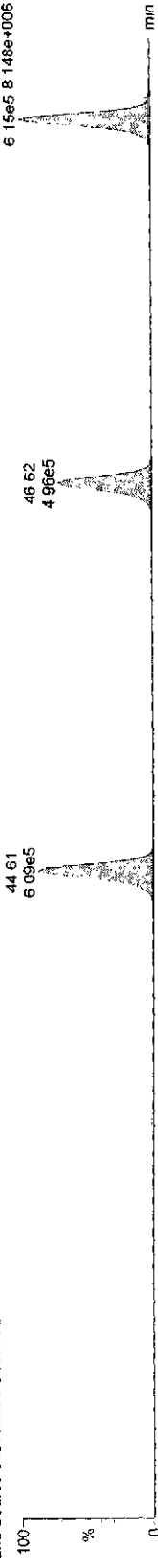


16JL0910D5\_8 Smooth(SG:1x2)  
2nd Source 09DXN196 ST0716E

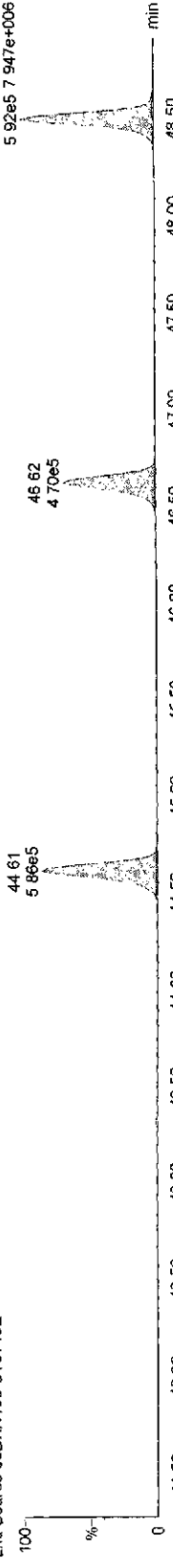


13C-HpPCBs

16JL0910D5\_8 Smooth(SG:1x2)  
2nd Source 09DXN196 ST0716E



16JL0910D5\_8 Smooth(SG:1x2)  
2nd Source 09DXN196 ST0716E



Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSL2ndsource.qld

Last Altered Tuesday, July 21, 2009 15:56:04 Pacific Daylight Time  
 Printed Tuesday, July 21, 2009 15:58:00 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

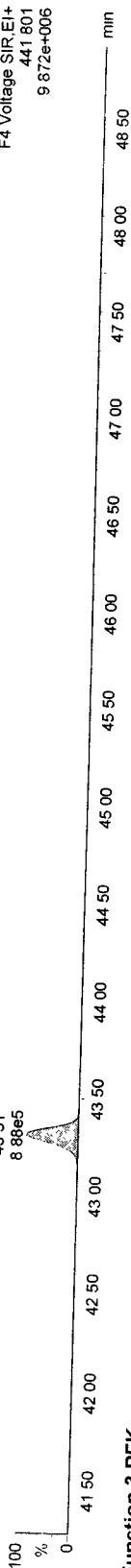
13C-OcCB-202

16JL0910D5\_8 Smooth(SG,1x2)  
 2nd Source 09DXN196 ST0716E



F4 Voltage SIR.EI+  
 439.804  
 8.944e+006

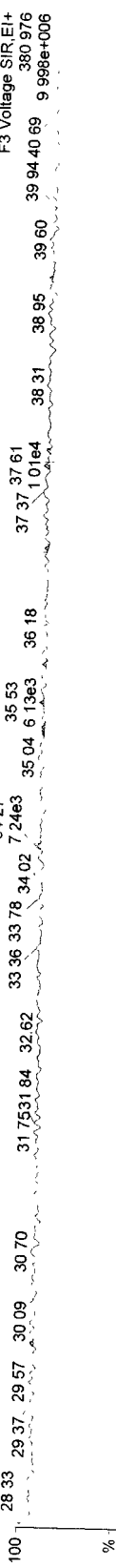
16JL0910D5\_8 Smooth(SG,1x2)  
 2nd Source 09DXN196 ST0716E



F4 Voltage SIR.EI+  
 441.801  
 9.672e+006

Function 3 PFK

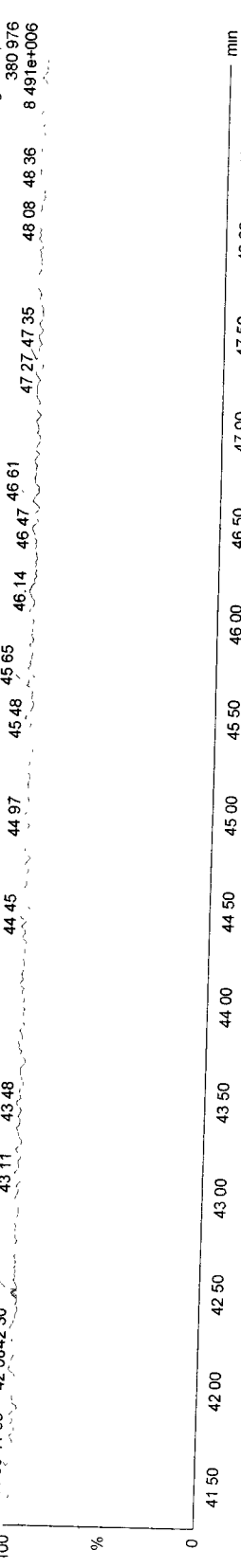
16JL0910D5\_8 Smooth(SG,1x2)  
 2nd Source 09DXN196 ST0716E



F3 Voltage SIR.EI+  
 380.976  
 9.996e+006

Function 4 PFK

16JL0910D5\_8 Smooth(SG,1x2)  
 2nd Source 09DXN196 ST0716E



F4 Voltage SIR.EI+  
 380.976  
 8.491e+006

**Sample Extraction/Preparation Log**  
**Copies and Checklists**

**Data Checklist**  
**HRGCMS/LRGCMS Analyses**

Batch #: 9225441 Method ID: 1668

Data Analyst: DB-5 AK DB-225  
 Date initiated: 8/22/09  
 Reviewer: [Signature]  
 Date reviewed: 8/25/09

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	/	/	/	/
-Method Blank present?	/	/	/	/
-LCS/DCS copy present and meets native recovery criteria?	/	/	/	/
-Internal standard recoveries within limits?*	/	/	/	/
-Ion ratios within + 15% of theoretical values?	/	/	/	/
-Other QC (Dup,MS,SD) within specs?*	NA	NA	/	/

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	/	/	/	/
-All raw data present?	/	/	/	/
-Standard target DL's used? If RL's are used specify: <u>20</u>	/	/	/	/
-DL's below TDL / LCL (please circle)?	/	/	/	/
-All positives reported at levels greater than method blank DL's?	/	/	/	/
-Correct RRF's used for method?	/	/	/	/
-Internal standard amounts correct for method?	/	/	/	/
-Target analytes are not saturated?	/	/	/	/
-Dilution/splitting of extract taken into account?	NA	NA	/	/
-Have dilution calculations been verified?	NA	NA	/	/
-Has a manual calculation for the sequence(s) been verified?	/	/	/	/
-Are retention times (RT) correct?	/	/	/	/
-Manual integrations checked?	NA	NA	/	/

Comments: (Use other side if necessary)

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)	50%
PCBs:	25-150%***	50%
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	
Method 1614	25-150%***	

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

**TestAmerica West Sacramento  
High Resolution Prep Log  
PCB AQ Extraction**

Box # 12  
 Shared QC Batch: 9225436  
 Shares QC With: NA



Internal COC:	
Delivered to Inst.:	<u>18.14.09</u>
Inst Receipt:	

**Batch: 9225441**  
 MS Run #:  
 Prep Date: 8/13/2009  
 Method: Q8 1668  
 Matrix: I WATER  
 Extraction: 09 LIQ/LIQ, SEP FUNNEL (PAH,P/P,TPH,Dioxin) - Nominal  
 QC: 6Q CLIENT: STD BZ  
 SAC: Q8 - I - 09 - 6Q

Prep Reagents		
Reagent	Supplier	Lot #
DCM	Baker	<u>H1500</u>
Hexane	Baker	<u>HP8E12</u>
H2SO4	Baker	<u>NA</u>
20% DCM:Hexane	NA	<u>NA</u>
65% DCM:Hexane	NA	<u>NA</u>
Silica Gel	<u>Whatman</u>	<u>22-22</u>
Acid Alumina	<u>NA</u>	<u>NA</u>

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size <u>1.875g</u>	Final Volume		Analysis Hold Time Expires
					20uL	Other	
G9H050321 - 9		LHKQH1AA	8/4/2010	<u>1634.4</u>			8/4/2010
G9H130000 - 441	B	LH5MM1AA	8/4/2010	<u>1000.0</u>		<u>8-14-09</u>	8/4/2010
G9H130000 - 441	C	LH5MM1AC	8/4/2010	<u>1000.0</u>		<u>8-14-09</u>	8/4/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs. \_\_\_\_\_

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	<u>100.0109PX0230</u>	<u>7.27.10</u>	<u>UX</u>	<u>ET</u>	<u>8.13.09</u>
Spike Mix					
LCS/LCSD/MS/MS					
Cleanup Standard All Samples					
Recovery Standard All Samples	<u>20.0109DX014</u>	<u>1.28.10</u>	<u>CE</u>	<u>ET</u>	<u>8.14.09</u>
Liq Liq Extraction Analyst/Date	<u>02/8.13.09</u>				

Split/Archive Analyst/Date	Option C Analyst/Date	PCB Silica Gel Analyst/Date	PCB Acid Alumina Analyst/Date	Hg Analyst/Date	GPC Analyst/Date
<u>—</u>	<u>—</u>	<u>T.L 08/14/09</u>	<u>—</u>	<u>—</u>	<u>—</u>

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 8/14/09  
Time: 13:07:53

LEV 1 2  
 Y Y Y Y  
 Blank Check MS/MSD  
 Weights/Volumes  
 Spike & Surrogate Worksheet  
 Vial contains correct volume  
 Labels, greenbars, worksheets  
 computer batch: correct & all match  
 Anomalies to Extraction Method  
 Expanded Deliverable  
 COC Completed  
 Bench Sheet Copied  
 Package Submitted to AnalyticalGroup  
 Bench Sheet Copied per COC

Extractionist: 002084 Ceasar Cortez

Concentrationist: 006625 Elizabeth Nguyen

\*\*\*\*\*  
 \* QC BATCH: 9225441 \*  
 \* PREP DATE: 8/13/09 15:00  
 \* COMP DATE: 8/14/09 14:00  
 \*\*\*\*\*

Reviewer/Date: NGUYENE / 8/14/09

PCBs, HRGC/HRMS (1668)  
LIQ/LIQ, SEP FUNNEL (PAH, P/P, TPH, Dioxin) - Nominal

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/VOL WT/VOL	PH"S INIT ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
8/04/10	8/26/09	G9H050321-009 LHKQH-1-AA	D	09	Q8	WATER	1034.4mL 20.00uL	NA	NA	DCM	300.0	300.0	100.0UL IS 09DXN232
8/04/10	0/00/00	G9H130000-441 LH5MM-1-AAB		09	Q8	WATER	1000.0mL 20.00uL	NA	NA	DCM	300.0	300.0	100.0UL IS 09DXN232
8/04/10	0/00/00	G9H130000-441 LH5MM-1-ACC		09	Q8	WATER	1000.0mL 20.00uL	NA	NA	DCM	300.0	300.0	100.0UL NS 09DXN186 100.0UL IS 09DXN232

R = RUSH  
 E = EPA 600  
 M = CLIENT REQ MS/MSD  
 C = CLP  
 D = EXP. DEL  
 NUMBER OF WORK ORDERS IN BATCH: 3



## Preparation Data Review Checklist

Prep Batch(es) 9225441 Test: 166BL  
 Prep Date: 8.13.09 Holding Times: 8.4.16 NCM: Y  N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	/	/
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	/	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	/	NA
4. Worksheets have been checked for required spiking compounds	/	/
5. Spiking volumes are correctly documented	/	/
6. Std ID numbers on spike labels match numbers on bench sheet	/	NA
7. Expiration dates have been checked	/	/
8. Calibration expiration dates on pipettors have been checked	/	NA
9. Spiker and spike witness have signed and dated bench sheet	/	/
B. Weights and Volumes		
1. Recorded weights are in anticipated range	NA	/
2. Balance upload or raw data for weights is included	NA	/
3. Weights and volumes have been transcribed correctly to LIMS.	NA	/
4. Weights are not targeted to meet exact weights.	NA	/
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	/
C. Standards and Reagents		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	/
2. Are dates and analysts for cleanups recorded?	NA	/
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	/
D. Documentation		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMs entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: [Signature] Date: 8/15/09  
 2<sup>nd</sup> Level Reviewer: [Signature] Date: 8/14/09  
 Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# SOLID, D 2216-90, Percent Moisture

**SEVERN  
TRENT  
SERVICES**

**% Moisture/Solid Worksheet**

QCBATCH: 9236393

Analyzed by: FRANCISF

Report created: 8/26/09 11:16:52 AM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G9G310269-6	LHDQ61AA	1.31	6.95	6.82	0.13	2.30	97.70			8/26/09 11:12:17 AM
G9H050321-1	LHKPR1AA	1.30	3.50	3.35	0.15	6.82	93.18	0.1		8/26/09 11:12:28 AM
G9H050321-1	LHKPR1AD	1.32	3.30	3.17	0.13	6.57	93.43	0.1		8/26/09 11:13:35 AM
G9H050321-2	LHKP31AA	1.32	4.40	4.17	0.23	7.47	92.53	0.1		8/26/09 11:13:44 AM
G9H050321-3	LHKP41AA	1.31	3.91	3.63	0.28	10.77	89.23	0.1		8/26/09 11:13:53 AM
G9H050321-4	LHKP61AA	1.30	4.27	4.03	0.24	8.08	91.92	0.1		8/26/09 11:14:02 AM
G9H050321-5	LHKP81AA	1.31	6.06	5.68	0.38	8.00	92.00	0.1		8/26/09 11:14:14 AM
G9H050321-6	LHKP91AA	1.30	4.73	4.31	0.42	12.24	87.76	0.1		8/26/09 11:14:22 AM
G9H050321-7	LHKQD1AA	1.30	6.02	5.55	0.47	9.96	90.04	0.1		8/26/09 11:14:30 AM
G9H050321-8	LHKQG1AA	1.30	6.09	5.70	0.39	8.14	91.86	0.1		8/26/09 11:14:39 AM
<del>G9H070293-1</del> *	LHTD51AA	0.00	0.00	0.00	0.00	0.00	0.00	0.1		
G9H070343-1	LHTVC1AA	1.31	9.22	2.64	6.58	83.19	16.81			8/26/09 11:14:51 AM
G9H130339-1	LH5NR1AA	1.32	16.18	12.96	3.22	21.67	78.33	0.1		8/26/09 11:15:03 AM
G9H130339-2	LH5N01AM	1.31	19.28	15.42	3.86	21.48	78.52	0.1		8/26/09 11:15:12 AM
G9H130339-3	LH5N21AM	1.29	19.66	15.98	3.68	20.03	79.97	0.1		8/26/09 11:15:20 AM
G9H150179-4	LH8T61AA	1.30	11.31	9.73	1.58	15.78	84.22	0.1		8/26/09 11:15:33 AM
G9H150179-5	LH8T71AA	1.31	13.85	11.90	1.95	15.55	84.45	0.1		8/26/09 11:15:42 AM
G9H150179-6	LH8VA1AA	1.30	16.61	15.43	1.18	7.71	92.29	0.1		8/26/09 11:15:53 AM

\* Frozen sample. Removed from batch.

All weights are in grams  
 Sample weights (wet & dry) include the weight (tare) of the sample pan.  
 Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).  
 % Water = (Wt. Diff. / (sample wet weight - pan tare)) \* 100  
 % Solid = 100 - percent Water

# Report Production Instruction Sheet

LATE

Client: Wenck Associates

Lot ID: G9I290159

Project Name:

PM: KMD Report Due: 10/31/2009

QBIS Quote: 15319

PO: 0742-812 (Phase 5)

Quantims Quote: 81307

Site: Kettleman Hill Facility

## Invoice Instructions

Mail to Invoice Contact with copy of COC

Melissa Winterhalter  
Wenck Associates, Inc.  
1800 Pioneer Creek Center

Maple Plain  
MN 55359

Completed By: \_\_\_\_\_

## Delivery

Cheapest

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell  
GA 30076  
( ) - 00

Completed By: \_\_\_\_\_

## CC Report: Yes

Huntington  
6632 Fairways Drive

Longmont  
CO 80503-

Completed By: \_\_\_\_\_

## Deliverable Options

- Hard Copy
- CD
- E-Mail E-Mail Address:  
see comments
- Disk  Upload to MYSTL

Completed By: \_\_\_\_\_

## Pagination Option

Paginate Report

Completed By: \_\_\_\_\_

## Report - Data Option

Full Raw Data

Completed By: \_\_\_\_\_

## Retention Option

5 Years

## Destruction Option

No Notification

### Comments:

Reporting - please post PDF of report on total access. CD gets report + EDD. Send the CD & hard copy report to Huntington, 6632 Fairways Drive, Longmont CO 80503 (303-440-6311). Mail invoice with copy of COC. PM - Send LRI confirmation to Haley. Email PDF of results + qc to Haley. Bill for media - change to account 320040. Charge 7% for raw data package. Run EDD and put in sub data to merge folder in repo.

Mail Date: \_\_\_\_\_

Tracking #: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Invoice

TestAmerica West Sacramento  
 880 Riverside Parkway  
 West Sacramento, CA 95605  
 Tel: (916) 373-5600  
 Fax: (916) 372-7768 FAX

REMIT TO: **TESTAMERICA LABORATORIES, INC.**  
 Dept 2314  
 P.O. Box 122314  
 Dallas, TX 75312-2314

Bill To: Melissa Winterhalter  
 Wenck Associates, Inc.  
 1800 Pioneer Creek Center  
 Maple Plain, MN 55359

Number	32074071	Date	11 NOV 09
TA Project Number	G9I290159	Customer Number	01413111
Terms	See Note below.		

Customer Contact

SAMPLE RECEIVING DATE : 9/29/09  
 REPORT DATE : 11/11/09  
 Haley Hudson

Wenck Associates, Inc.  
 1800 Pioneer Creek Center  
 Maple Plain, MN 55359

Line No	Qty	Matrix Code	Analysis Description	Unit Price	Extended Price
2		SOLID	SOLID, D 2216-90, %Moisture	.00	
5		AIR	AIR, 1668 Media	75.00	375.00
2		SOLID	SOLID, 1668, WHO PCB congeners	550.00	1,100.00
5		AIR	AIR, 1668, WHO PCB congeners	550.00	2,750.00
			raw data package surcharge (7% of analytical)		269.50

NOTE: 1) TestAmerica's Standard Terms & Conditions (Net 30 Days) apply to all work performed and invoiced unless superseded by a specific executed contract vehicle.  
 2) Applicable samples will be stored at no extra charge for a period of 30 days following the final report. Samples will be properly disposed of after 30 days, unless notified otherwise in writing.

Please reference Invoice number when remitting.

Customer P.O. Number / Contact Number / Reference

0742-812 (Phase 5)/KHF/Kettleman Hill Facility

Karen Dahl

ORIGINAL

Sub Total	
Tax	
Total	4,494.50

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Invoice

TestAmerica West Sacramento  
 880 Riverside Parkway  
 West Sacramento, CA 95605  
 Tel (916) 373-5600  
 Fax (916) 372-7768 FAX

Tel  
 Fax

REMIT TO: TESTAMERICA LABORATORIES, INC.  
 Dept 2314  
 P.O. Box 122314  
 Dallas, TX 75312-2314

Bill To: Melissa Winterhalter  
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 1800 Pioneer Creek Center  
 Maple Plain, MN 55359

Number	32074071	Date	11 NOV 09
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Wenck Associates, Inc.  
 1800 Pioneer Creek Center  
 Maple Plain, MN 55359

Line No	Qty	Matrix Code	Analysis Description	Unit Price	Extended Price
2		SOLID	SOLID, D 2216-90, %Moisture	.00	
5		AIR	AIR, 1668 Media	75.00	375.00
2		SOLID	SOLID, 1668, WHO PCB congeners	550.00	1,100.00
5		AIR	AIR, 1668, WHO PCB congeners	550.00	2,750.00
			raw data package surcharge (7% of analytical)		269.50

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Please reference Invoice number when remitting.

Customer P O Number / Contact Number / Reference

0742-812 (Phase 5)/KHF/Kettleman Hill Facility

Karen Dahl

DUPLICATE COPY

Sub Total  
 Tax  
 Total

4,494.50

November 11, 2009

**TestAmerica Project Number: G9I290159**

PO/Contract: 0742-812 (Phase 5)

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on September 29, 2009. These samples are associated with your KHF project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

CC: Huntington

## Table of Contents

# TestAmerica West Sacramento Project Number G9I290159

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 1668, WHO PCB congeners

Samples: 6, 7

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture

Samples: 6, 7

Sample Data Sheets

Laboratory QC Reports

Full Raw Data Package



## Case Narrative

### TestAmerica West Sacramento Project Number G9I290159

#### **SOLID, 1668, WHO PCB congeners**

Sample: 6

A reduced sample size of 5 grams was extracted for this sample due to its matrix. The extract for this sample would not concentrate to the normal final volume. The estimated final volume for the sample is 30 microliters. The detection limits for this sample were elevated accordingly and may be considered estimated values. There should be no impact on the sample results.

#### **AIR, 1668, WHO PCB congeners**

Samples: 2, 3

The PCB 77 detection limits were elevated for these samples due to matrix interferences. These elevated detection limits are "G" flagged and may be considered maximum possible concentrations.

There were no other anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G9I290159

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LLM8N	1	SEP09-UMSI-TO9A	9/5/2009 12:01 AM	9/29/2009 09:00 AM
LLM8Q	2	SEP09-DMSI-TO9A	9/5/2009 12:01 AM	9/29/2009 09:00 AM
LLM8R	3	SEP09-MSP-TO9A	9/5/2009 12:01 AM	9/29/2009 09:00 AM
LLM8T	4	SEP09-HANFORD-TO9A	9/5/2009 12:01 AM	9/29/2009 09:00 AM
LLM8V	5	SEP09-BLANK-TO9A DMS1	9/5/2009 12:01 AM	9/29/2009 09:00 AM
LLM8X	6	SEP09-HANFORD-VD-1668A	9/28/2009 07:30 AM	9/29/2009 09:00 AM
LLM81	7	SEP09-HANFORD-SOIL-1668A	9/28/2009 07:30 AM	9/29/2009 09:00 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

# Chain of Custody Record

TAL-4124-260 (0508)

Sampler ID \_\_\_\_\_  
Temperature on Receipt \_\_\_\_\_  
Drinking Water? Yes  No

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Number  
**117488**  
Page 1 of 1

Project Manager: **PAUL TUREK**  
Date: **09/28/09**  
Telephone Number (Area Code)/Fax Number: **(559) 386-6151**  
Site Contact: **APR STEINHAUS/JOEL**  
Lab Contact: **KAREN DANL**  
Carrier/Waybill Number: **FED EX**

Client: **CHEMICAL WASTE MANAGEMENT, INC.**  
Address: **35251 OLD SKYLINE**  
City: **KETTLEMAN CITY** State: **CA** Zip Code: **93239**  
Project Name and Location (State): \_\_\_\_\_

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH
SEP 09 - DMSI - T09A	09/05/09	0001	X			X							
SEP 09 - DMSI - T09A			X			X							
SEP 09 - DMSI - T09A			X			X							
SEP 09 - HANFORD - T09A			X			X							
SEP 09 - BLANK - T09A DMSI			X			X							
SEP 09 - HANFORD - VD-1668A	09/28/09	0730											
SEP 09 - HANFORD - VD-SOL-1668A													

Contract/Purchase Order/Quote No. \_\_\_\_\_

Possible Hazard Identification:  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**

QC Requirements (Specify): \_\_\_\_\_

1. Relinquished By: **Ste E Zolner** Date: **09/28/09** Time: **1700**  
 2. Relinquished By: **Cheng Jha** Date: **09/28/09** Time: **0915**  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \_\_\_\_\_

CLIENT Wenck PM VD LOG # 60981

LOT#(QUANTIMS ID) 691290159 QUOTE# 81307 LOCATION W14D F-10D  
Checked (✓)

DATE RECEIVED 9/29/09 TIME RECEIVED 0900

DELIVERED BY  FEDEX  ON TRAC  CLIENT  
 GOLDENSTATE  UPS  GO-GETTERS  
 TAL COURIER  VALLEY LOGISTICS  OTHER  
 TAL SF

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) 360439

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER

COC #(S) 117488

TEMPERATURE BLANK Observed: 3 Corrected: 3

SAMPLE TEMPERATURE  
Observed: 3.2 Average 3 Corrected Average 3

COLLECTOR'S NAME:  Verified from COC  Not on COC Initials LV Date 9/29/09

pH MEASURED  YES  ANOMALY  N/A

LABELLED BY.....

LABELS CHECKED BY.....

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEA  TEMPERATURE EXCEEDED (2 °C – 6 °C)\*1  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Initials LV Date 9/29/09

Notes \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Lot ID: 691290159

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ							/													
___CGJ						/														
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF	/	/	/	/	/															
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

# SOLID, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: SEP09-HANFORD-VD-1668A

Trace Level Organic Compounds

Lot-Sample #...: G9I290159-006    Work Order #...: LLM8X1AC    Matrix.....: SOLID  
 Date Sampled...: 09/28/09    Date Received...: 09/29/09  
 Prep Date.....: 10/29/09    Analysis Date...: 11/02/09  
 Prep Batch #...: 9302443  
 Dilution Factor: 3  
 % Moisture.....: 13

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	6.9	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	6.9	pg/g	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>11 C</b>	<b>6.9</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	6.9	pg/g	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>21 C</b>	<b>6.9</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	6.9	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	6.9	pg/g	EPA-14 1668
<b>PCB 156 (BZ)</b>	<b>7.1</b>	<b>6.9</b>	<b>pg/g</b>	<b>EPA-14 1668</b>
PCB 157 (BZ)	ND	6.9	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	6.9	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	6.9	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	6.9	pg/g	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	113	(25 - 150)
13C12-PCB 81	115	(25 - 150)
13C12-PCB 118	116	(25 - 150)
13C12-PCB 114	109	(25 - 150)
13C12-PCB 105	115	(25 - 150)
13C12-PCB 126	106	(25 - 150)
13C12-PCB 167	99	(25 - 150)
13C12-PCB 156	121	(25 - 150)
13C12-PCB 157	112	(25 - 150)
13C12-PCB 169	104	(25 - 150)
13C12-PCB 189	127	(25 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight  
 C Co-eluting isomer.



Wenck Associates, Inc.

Client Sample ID: SEP09-HANFORD-SOIL-1668A

Trace Level Organic Compounds

Lot--Sample #...: G9I290159-007    Work Order #...: LLM811AC    Matrix.....: SOLID  
 Date Sampled...: 09/28/09    Date Received..: 09/29/09  
 Prep Date.....: 10/29/09    Analysis Date..: 11/02/09  
 Prep Batch #...: 9302443  
 Dilution Factor: 0.98  
 % Moisture.....: 0.54

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 105 (BZ)	2.5 C	2.0	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 118 (BZ)	5.0 C	2.0	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.0	pg/g	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	88	(25 - 150)
13C12-PCB 81	91	(25 - 150)
13C12-PCB 118	104	(25 - 150)
13C12-PCB 114	99	(25 - 150)
13C12-PCB 105	105	(25 - 150)
13C12-PCB 126	110	(25 - 150)
13C12-PCB 167	80	(25 - 150)
13C12-PCB 156	101	(25 - 150)
13C12-PCB 157	95	(25 - 150)
13C12-PCB 169	92	(25 - 150)
13C12-PCB 189	126	(25 - 150)

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

C Co-eluting isomer.

# QC DATA ASSOCIATION SUMMARY

G9I290159

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9275225	
002	AIR	EPA-14 1668		9275225	
003	AIR	EPA-14 1668		9275225	
004	AIR	EPA-14 1668		9275225	
005	AIR	EPA-14 1668		9275225	
006	SOLID	ASTM D 2216-90		9307299	
	SOLID	EPA-14 1668		9302443	
007	SOLID	ASTM D 2216-90		9293504	9302198
	SOLID	EPA-14 1668		9302443	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9I290159      Work Order #...: LNHRD1AA      Matrix.....: SOLID  
 MB Lot-Sample #: G9J290000-443  
 Prep Date.....: 10/29/09  
 Analysis Date...: 11/02/09      Prep Batch #...: 9302443  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
PCB 77 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 118 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.0	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	72	(25 - 150)
13C12-PCB 81	71	(25 - 150)
13C12-PCB 118	85	(25 - 150)
13C12-PCB 114	81	(25 - 150)
13C12-PCB 105	87	(25 - 150)
13C12-PCB 126	93	(25 - 150)
13C12-PCB 167	68	(25 - 150)
13C12-PCB 156	86	(25 - 150)
13C12-PCB 157	79	(25 - 150)
13C12-PCB 169	78	(25 - 150)
13C12-PCB 189	108	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9I290159      Work Order #...: LNHRD1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9J290000-443  
 Prep Date.....: 10/29/09      Analysis Date...: 11/02/09  
 Prep Batch #...: 9302443  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	200	161	pg/g	80	EPA-14 1668
PCB 81 (BZ)	200	164	pg/g	82	EPA-14 1668
PCB 105 (BZ)	200	172	pg/g	86	EPA-14 1668
PCB 114 (BZ)	200	183	pg/g	91	EPA-14 1668
PCB 118 (BZ)	200	172	pg/g	86	EPA-14 1668
PCB 123 (BZ)	200	171	pg/g	86	EPA-14 1668
PCB 126 (BZ)	200	171	pg/g	86	EPA-14 1668
PCB 156 (BZ)	200	156	pg/g	78	EPA-14 1668
PCB 157 (BZ)	200	167	pg/g	84	EPA-14 1668
PCB 167 (BZ)	200	187	pg/g	94	EPA-14 1668
PCB 169 (BZ)	200	184	pg/g	92	EPA-14 1668
PCB 189 (BZ)	200	162	pg/g	81	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	80	(25 - 150)
13C12-PCB 81	81	(25 - 150)
13C12-PCB 118	95	(25 - 150)
13C12-PCB 114	89	(25 - 150)
13C12-PCB 105	96	(25 - 150)
13C12-PCB 126	102	(25 - 150)
13C12-PCB 167	73	(25 - 150)
13C12-PCB 156	93	(25 - 150)
13C12-PCB 157	85	(25 - 150)
13C12-PCB 169	84	(25 - 150)
13C12-PCB 189	115	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G9I290159      Work Order #...: LNHRD1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9J290000-443  
 Prep Date.....: 10/29/09      Analysis Date...: 11/02/09  
 Prep Batch #...: 9302443  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	80	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	82	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	86	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	91	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	86	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	86	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	86	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	78	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	84	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	94	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	92	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	81	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	80	(25 - 150)
13C12-PCB 81	81	(25 - 150)
13C12-PCB 118	95	(25 - 150)
13C12-PCB 114	89	(25 - 150)
13C12-PCB 105	96	(25 - 150)
13C12-PCB 126	102	(25 - 150)
13C12-PCB 167	73	(25 - 150)
13C12-PCB 156	93	(25 - 150)
13C12-PCB 157	85	(25 - 150)
13C12-PCB 169	84	(25 - 150)
13C12-PCB 189	115	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results  
 Bold print denotes control parameters

AIR, 1668,  
WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: SEP09-UMSI-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9I290159-001    Work Order #...: LLM8N1AA    Matrix.....: AIR  
 Date Sampled...: 09/05/09    Date Received...: 09/29/09  
 Prep Date.....: 10/01/09    Analysis Date...: 10/11/09  
 Prep Batch #...: 9275225  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>1300 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>3500 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	113	(25 - 150)
13C12-PCB 81	114	(25 - 150)
13C12-PCB 118	123	(25 - 150)
13C12-PCB 114	120	(25 - 150)
13C12-PCB 105	129	(25 - 150)
13C12-PCB 126	136	(25 - 150)
13C12-PCB 167	96	(25 - 150)
13C12-PCB 156	121	(25 - 150)
13C12-PCB 157	111	(25 - 150)
13C12-PCB 169	108	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: SEP09-DMSI-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9I290159-002    Work Order #...: LLM8Q1AA    Matrix.....: AIR  
 Date Sampled...: 09/05/09    Date Received...: 09/29/09  
 Prep Date.....: 10/01/09    Analysis Date...: 10/11/09  
 Prep Batch #...: 9275225  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	2800	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>5800 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>13000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	118	(25 - 150)
13C12-PCB 81	114	(25 - 150)
13C12-PCB 118	124	(25 - 150)
13C12-PCB 114	120	(25 - 150)
13C12-PCB 105	129	(25 - 150)
13C12-PCB 126	137	(25 - 150)
13C12-PCB 167	94	(25 - 150)
13C12-PCB 156	118	(25 - 150)
13C12-PCB 157	108	(25 - 150)
13C12-PCB 169	104	(25 - 150)

**NOTE (S) :**

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

C Co-eluting isomer



Wenck Associates, Inc.

Client Sample ID: SEP09-MSP-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9I290159-003    Work Order #...: LLM8R1AA    Matrix.....: AIR  
 Date Sampled...: 09/05/09    Date Received...: 09/29/09  
 Prep Date.....: 10/01/09    Analysis Date...: 10/11/09  
 Prep Batch #...: 9275225  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	2100	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>4500 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>9800 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	111	(25 - 150)
13C12-PCB 81	109	(25 - 150)
13C12-PCB 118	116	(25 - 150)
13C12-PCB 114	113	(25 - 150)
13C12-PCB 105	118	(25 - 150)
13C12-PCB 126	127	(25 - 150)
13C12-PCB 167	97	(25 - 150)
13C12-PCB 156	122	(25 - 150)
13C12-PCB 157	112	(25 - 150)
13C12-PCB 169	108	(25 - 150)

**NOTE (S) :**

- G Elevated reporting limit. The reporting limit is elevated due to matrix interference
- C Co-eluting isomer

Wenck Associates, Inc.

Client Sample ID: SEP09-HANFORD-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9I290159-004    Work Order #...: LLM8T1AA    Matrix.....: AIR  
 Date Sampled...: 09/05/09    Date Received...: 09/29/09  
 Prep Date.....: 10/01/09    Analysis Date...: 10/11/09  
 Prep Batch #...: 9275225  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>2400 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>7000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	104	(25 - 150)
13C12-PCB 81	107	(25 - 150)
13C12-PCB 118	105	(25 - 150)
13C12-PCB 114	104	(25 - 150)
13C12-PCB 105	109	(25 - 150)
13C12-PCB 126	123	(25 - 150)
13C12-PCB 167	87	(25 - 150)
13C12-PCB 156	110	(25 - 150)
13C12-PCB 157	100	(25 - 150)
13C12-PCB 169	82	(25 - 150)

**NOTE(S) :**

C Co-eluting isomer

Wenck Associates, Inc.

Client Sample ID: SEP09-BLANK-TO9A DMS1

Trace Level Organic Compounds

Lot-Sample #...: G9I290159-005    Work Order #...: LLM8V1AA    Matrix.....: AIR  
Date Sampled...: 09/05/09    Date Received...: 09/29/09  
Prep Date.....: 10/01/09    Analysis Date...: 10/11/09  
Prep Batch #...: 9275225  
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	76	(25 - 150)
13C12-PCB 81	73	(25 - 150)
13C12-PCB 118	76	(25 - 150)
13C12-PCB 114	74	(25 - 150)
13C12-PCB 105	81	(25 - 150)
13C12-PCB 126	89	(25 - 150)
13C12-PCB 167	84	(25 - 150)
13C12-PCB 156	104	(25 - 150)
13C12-PCB 157	96	(25 - 150)
13C12-PCB 169	100	(25 - 150)

# QC DATA ASSOCIATION SUMMARY

G9I290159

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9275225	
002	AIR	EPA-14 1668		9275225	
003	AIR	EPA-14 1668		9275225	
004	AIR	EPA-14 1668		9275225	
005	AIR	EPA-14 1668		9275225	
007	SOLID	ASTM D 2216-90		9293504	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9I290159  
 MB Lot-Sample #: G9J020000-225

Work Order #...: LLV271AA

Matrix.....: AIR

Prep Date.....: 10/01/09

Analysis Date...: 10/11/09

Prep Batch #...: 9275225

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	70	(25 - 150)
13C12-PCB 81	70	(25 - 150)
13C12-PCB 118	70	(25 - 150)
13C12-PCB 114	67	(25 - 150)
13C12-PCB 105	71	(25 - 150)
13C12-PCB 126	78	(25 - 150)
13C12-PCB 167	76	(25 - 150)
13C12-PCB 156	97	(25 - 150)
13C12-PCB 157	90	(25 - 150)
13C12-PCB 169	90	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9I290159      Work Order #...: LLV271AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9J020000-225  
 Prep Date.....: 10/01/09      Analysis Date...: 10/11/09  
 Prep Batch #...: 9275225  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	4080	pg	102	EPA-14 1668
PCB 81 (BZ)	4000	3910	pg	98	EPA-14 1668
PCB 105 (BZ)	4000	3850 C	pg	96	EPA-14 1668
PCB 114 (BZ)	4000	4160	pg	104	EPA-14 1668
PCB 118 (BZ)	4000	3790 C	pg	95	EPA-14 1668
PCB 123 (BZ)	4000	4040	pg	101	EPA-14 1668
PCB 126 (BZ)	4000	3970	pg	99	EPA-14 1668
PCB 156 (BZ)	4000	3780	pg	95	EPA-14 1668
PCB 157 (BZ)	4000	4080	pg	102	EPA-14 1668
PCB 167 (BZ)	4000	4390	pg	110	EPA-14 1668
PCB 169 (BZ)	4000	4570	pg	114	EPA-14 1668
PCB 189 (BZ)	4000	3800	pg	95	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	88	(25 - 150)
13C12-PCB 81	91	(25 - 150)
13C12-PCB 118	88	(25 - 150)
13C12-PCB 114	85	(25 - 150)
13C12-PCB 105	92	(25 - 150)
13C12-PCB 126	97	(25 - 150)
13C12-PCB 167	87	(25 - 150)
13C12-PCB 156	110	(25 - 150)
13C12-PCB 157	102	(25 - 150)
13C12-PCB 169	100	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

C Co-eluting isomer

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9I290159      Work Order #...: LLV271AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9J020000-225  
 Prep Date.....: 10/01/09      Analysis Date...: 10/11/09  
 Prep Batch #...: 9275225  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	102	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	98	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	96 C	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	104	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	95 C	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	101	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	99	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	95	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	102	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	110	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	114	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	95	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	88	(25 - 150)
13C12-PCB 81	91	(25 - 150)
13C12-PCB 118	88	(25 - 150)
13C12-PCB 114	85	(25 - 150)
13C12-PCB 105	92	(25 - 150)
13C12-PCB 126	97	(25 - 150)
13C12-PCB 167	87	(25 - 150)
13C12-PCB 156	110	(25 - 150)
13C12-PCB 157	102	(25 - 150)
13C12-PCB 169	100	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results  
 Bold print denotes control parameters  
 C Co-eluting isomer

# SOLID, D 2216-90, Percent Moisture



Wenck Associates, Inc.

Client Sample ID: SEP09-HANFORD-VD-1668A

General Chemistry

Lot-Sample #...: G9I290159-006    Work Order #...: LLM8X    Matrix.....: SOLID  
Date Sampled...: 09/28/09    Date Received..: 09/29/09  
% Moisture.....: 13

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	13.0	0.10	%	ASTM D 2216-90	11/02-11/03/09	9307299

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: SEP09-HANFORD-SOIL-1668A

General Chemistry

Lot-Sample #...: G9I290159-007      Work Order #...: LLM81      Matrix.....: SOLID  
Date Sampled...: 09/28/09      Date Received..: 09/29/09  
% Moisture.....: 0.54

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	0.55	0.10	%	ASTM D 2216-90	10/20-10/21/09	9293504

Dilution Factor: 1

# QC DATA ASSOCIATION SUMMARY

G9I290159

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9275225	
002	AIR	EPA-14 1668		9275225	
003	AIR	EPA-14 1668		9275225	
004	AIR	EPA-14 1668		9275225	
005	AIR	EPA-14 1668		9275225	
006	SOLID	ASTM D 2216-90		9307299	
	SOLID	EPA-14 1668		9302443	
007	SOLID	ASTM D 2216-90		9293504	9302198
	SOLID	EPA-14 1668		9302443	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: G9I290159	Work Order #....: LMKQQ-SMP LMKQQ-DUP	Matrix.....: SOLID
Date Sampled...: 10/08/09	Date Received...: 10/14/09	
% Moisture.....: 7.0		

<u>PARAM RESULT</u>	<u>DUPLICATE RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD LIMIT</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	6.3	%	11	(0-20)	SD Lot-Sample #: G9J140344-020 ASTM D 2216-90	10/20-10/21/09	9293504

Dilution Factor: 1

# SOLID, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

*Includes (as applicable):*

*runlogs*

*continuing calibration standards*

*interference/performance check standards*

*continuing calibration blanks*

*method blanks*

*lcs*

*ms/sd*

*sample raw data*

*ms tune data*

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 07:10:38 Pacific Standard Time  
 Printed: Tuesday, November 03, 2009 07:11:13 Pacific Standard Time

SMA 11-03-09

Name: 02NO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHDR-1-AAB, Description: G91290159-6MB RI, Task:

# Name	Trace	Sample Size	RT	Prct RT	RRF M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	10.000	31.76	31.75	1.000	856615.22	200.0000	200.0000	100.0	0.2305	0.617	0.610	NO	
2														
3 13C-TeCB-81	301.963	10.000	33.67	33.65	1.040	629418.63	141.3242	141.3242	70.7	0.2343	0.774	0.770	NO	
4 TeCB-81	289.922	10.000	33.69	33.67	1.458	634.04	0.1381	0.1232	<RL	0.0883	0.985	0.770	YES	
5 13C-TeCB-77	301.963	10.000	34.36	34.34	1.104	680304.06	143.8335	143.8335	71.9	0.2206	0.824	0.770	NO	
TeCB-77	289.922	10.000	34.38	34.36	1.271	1767.39	0.4089	0.3479	<RL	0.0984	0.588	0.770	YES	
13C-PeCB-123	335.924	10.000	36.04	36.02	0.993	701547.72	164.9106	164.9106	82.5	0.2321	0.635	0.610	NO	
PeCB-123	323.883	10.000	36.04	36.04	1.505	464.05	0.0879	0.0679	<RL	0.1397	1.083	0.610	YES	03-Nov-09
13C-PeCB-118	335.924	10.000	36.21	36.19	1.024	745513.22	169.9687	169.9687	85.0	0.2251	0.631	0.610	NO	
PeCB-118/106	323.883	10.000	36.24	36.21	1.525	8334.68	1.4659	1.4659	<RL	0.1332	0.616	0.610	NO	
13C-PeCB-114	335.924	10.000	36.98	36.97	1.037	719661.28	162.0435	162.0435	81.0	0.2223	0.633	0.610	NO	
PeCB-114	323.883	10.000	36.98	36.98	1.586				<RL	0.1337		0.610	NO	
13C-PeCB-105	335.924	10.000	38.05	38.05	0.982	733655.72	174.5189	174.5189	87.3	0.2348	0.626	0.610	NO	
PeCB-105/127	323.883	10.000	38.05	38.05	1.433	4159.65	0.7912	0.7912	<RL	0.1424	0.689	0.610	NO	
13C-PeCB-126	335.924	10.000	40.35	40.35	1.030	817304.94	185.2663	185.2663	92.6	0.2238	0.626	0.610	NO	
PeCB-126	323.883	10.000	40.35	40.35	1.156				<RL	0.1621		0.610	NO	
13C-OcCB-202	439.804	10.000	43.17	43.16	1.000	997276.81	200.0000	200.0000	100.0	0.0750	0.898	0.890	NO	
18														
20														
21 13C-HxCB-167	371.882	10.000	41.72	41.71	1.002	680330.94	136.1021	136.1021	68.1	0.1535	1.272	1.240	NO	
HxCB-167	359.841	10.000	41.72	41.72	1.348				<RL	0.3449		1.240	NO	
13C-HxCB-156	371.882	10.000	43.31	43.29	0.785	672440.72	171.7675	171.7675	85.9	0.1960	1.280	1.240	NO	
HxCB-156	359.841	10.000	43.31	43.31	1.688				<RL	0.2793		1.240	NO	
13C-HxCB-157	371.882	10.000	43.69	43.68	0.835	655327.91	157.3435	157.3435	78.7	0.1842	1.284	1.240	NO	
HxCB-157	359.841	10.000	43.69	43.69	1.660				<RL	0.2930		1.240	NO	
13C-HxCB-169	371.882	10.000	45.91	45.90	0.871	680328.13	156.5944	156.5944	78.3	0.1766	1.346	1.240	NO	
HxCB-169	359.841	10.000	45.91	45.91	1.098				<RL	0.4363		1.240	NO	
29														
13C-HpCB-180	405.843	10.000	44.47	44.47	0.684	644591.38	188.9841	188.9841	94.5	0.1159	1.051	1.050	NO	
HpCB-180	393.803	10.000	44.48	44.47	1.300	7895.74	1.8840	1.8840	<RL	0.3168	0.948	1.050	NO	
13C-HpCB-170	405.843	10.000	46.47	46.47	0.548	553474.44	202.6486	202.6486	101.3	0.1448	1.042	1.050	NO	
HpCB-170	393.803	10.000	46.50	46.47	1.615	3711.32	0.8304	0.8304	0.4846	0.3080	2.513	1.050	YES	
13C-HpCB-189	405.843	10.000	48.35	48.36	0.698	749157.13	215.3463	215.3463	107.7	0.1137	1.065	1.050	NO	
HpCB-189	393.803	10.000	48.35	48.35	1.231				<RL	0.2681		1.050	NO	



MassLynx 4.1

Quantify Sample Summary Report

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 07:10:38 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 07:11:13 Pacific Standard Time

Name: 02NO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G9I290159-6MB RI, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date	
36	37 13C-PeCB-111	335.924	10.000		33.51		1.305					0.2213		0.610		NO	
38	39 Function 3 PFK	380.976	1.000		0.00												
	40 Function 4 PFK	380.976	1.000		0.00												

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:39:45 PM Pacific Standard Time

Name: 02NO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G91290159-6MB RI, Task:

# Name	Trace	Sample Size	RT	Prd RT	RRF M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	10,000	31.76	31.75	1.000	856615.22	200,0000	200.0000	100.0	0.2305	0.617	0.610	NO	
2														
3 13C-TeCB-81	301.963	10,000	33.68	33.65	1.040	629418.63	141.3242	141.3242	70.7	0.2343	0.774	0.770	NO	
4 TeCB-81	289.922	10,000	33.69	33.68	1.458	634.04	0.1381	0.1232	0.0883	0.985	0.770	YES		
5 13C-TeCB-77	301.963	10,000	34.36	34.34	1.104	680304.06	143.8335	143.8335	71.9	0.2206	0.824	0.770	NO	
TeCB-77	289.922	10,000	34.38	34.36	1.271	1767.39	0.4089	0.3479	0.0984	0.588	0.770	YES		
6 13C-PeCB-123	335.924	10,000	36.04	36.02	0.993	701547.72	164.9106	164.9106	82.5	0.2321	0.635	0.610	NO	
PeCB-123	323.883	10,000	36.24	36.04	1.505	8334.68	1.5784	1.5784	0.1397	0.616	0.610	NO		
1 13C-PeCB-118	335.924	10,000	36.21	36.19	1.024	745513.22	169.9687	169.9687	85.0	0.2251	0.631	0.610	NO	
1 PeCB-118/106	323.883	10,000	36.21	36.21	1.525				0.1332		0.610	NO		
1 13C-PeCB-114	335.924	10,000	36.98	36.97	1.037	719661.28	162.0435	162.0435	81.0	0.2223	0.633	0.610	NO	
1 PeCB-114	323.883	10,000	36.98	36.98	1.586				0.1337		0.610	NO		
1 13C PeCB-105	335.924	10,000	38.05	38.05	0.982	733655.72	174.5189	174.5189	87.3	0.2348	0.626	0.610	NO	
1 PeCB-105/127	323.883	10,000	38.05	38.05	1.433	4159.65	0.7912	0.7912	0.1424	0.689	0.610	NO		
1 13C-PeCB-126	335.924	10,000	40.35	40.35	1.030	817304.94	185.2663	185.2663	92.6	0.2238	0.626	0.610	NO	
1 PeCB-126	323.883	10,000	40.35	40.35	1.156				0.1621		0.610	NO		
18 5660														
1 13C-OoCB-202	439.804	10,000	43.17	43.16	1.000	997276.81	200,0000	200.0000	100.0	0.0750	0.898	0.890	NO	
20														
21 13C-HxCB-167	371.882	10,000	41.73	41.71	1.002	680330.94	136.1021	136.1021	68.1	0.1535	1.272	1.240	NO	
22 HxCB-167	359.841	10,000	41.73	41.73	1.348				0.3449		1.240	NO		
23 13C-HxCB-156	371.882	10,000	43.31	43.29	0.785	672440.77	171.7675	171.7675	85.9	0.1960	1.280	1.240	NO	
24 HxCB-156	359.841	10,000	43.31	43.31	1.688				0.2793		1.240	NO		
25 13C-HxCB-157	371.882	10,000	43.69	43.68	0.835	655327.91	157.3435	157.3435	78.7	0.1842	1.284	1.240	NO	
26 HxCB-157	359.841	10,000	43.69	43.69	1.660				0.2930		1.240	NO		
27 13C-HxCB-169	371.882	10,000	45.91	45.90	0.871	680328.13	156.5944	156.5944	78.3	0.1766	1.346	1.240	NO	
28 HxCB-169	359.841	10,000	45.91	45.91	1.098				0.4363		1.240	NO		
29														
30 13C-HpCB-180	405.843	10,000	44.47	44.47	0.684	644591.38	188.9841	188.9841	94.5	0.1159	1.051	1.050	NO	
31 HpCB-180	393.803	10,000	44.48	44.47	1.300	7895.74	1.8840	1.8840	0.3168	0.948	1.050	NO		
32 13C-HpCB-170	405.843	10,000	46.46	46.46	0.548	553474.44	202.6486	202.6486	101.3	0.1448	1.042	1.050	NO	
33 HpCB-170	393.803	10,000	46.50	46.46	1.615	3711.32	0.8304	0.4846	0.3080	2.513	1.050	YES		
3 13C-HpCB-189	405.843	10,000	48.35	48.36	0.698	749157.13	215.3463	215.3463	107.7	0.1137	1.065	1.050	NO	
30 HpCB-189	393.803	10,000	48.35	48.35	1.231				0.2681		1.050	NO		

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:39:45 PM Pacific Standard Time

Name: 02NO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G9I290159-6MB RI, Task:

#	Name	Trace	Sample Size	RT	Pre RT	RRF	M	Abs Resp	pg	EMPC	%Fec	EDL	Ratio	Ptd Ratio	Ratio	Mod Date
36	37 13C-PeCB-111	335.924	10.000	33.51	1.305							0.2213		0.610	NO	
38	39 Function 3 PFK	380.976	1.000	0.00												
	40 Function 4 PFK	380.976	1.000	0.00												

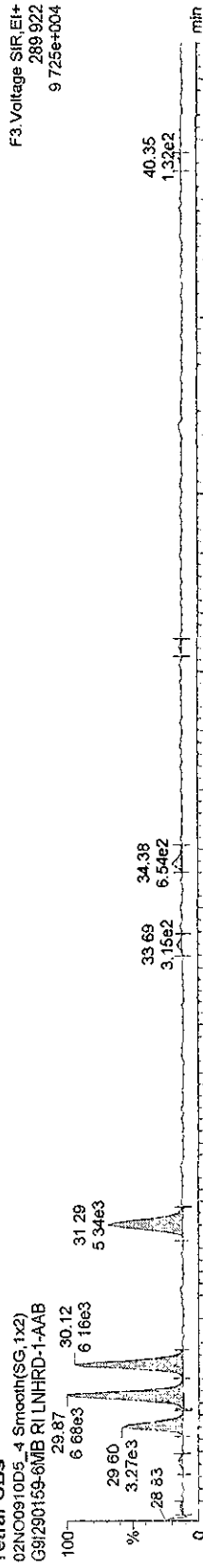
Quantify Sample Report **Masslynx 4.1**

Dataset: C:\Masslynx\Default.pro\02NO0910D51668MSL.qld

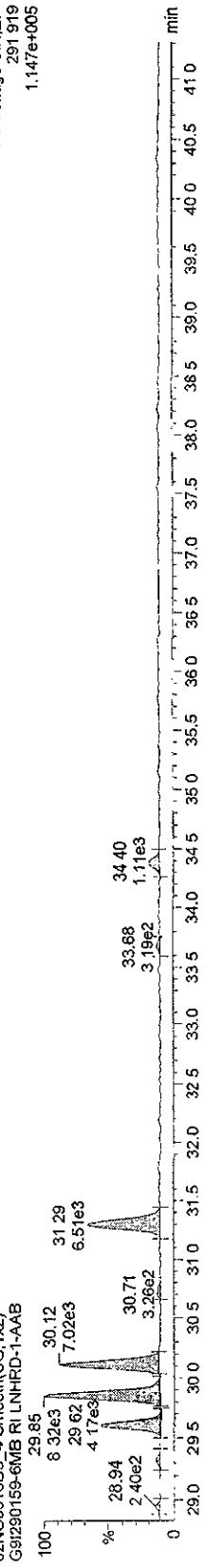
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G9I290159-6MB RI

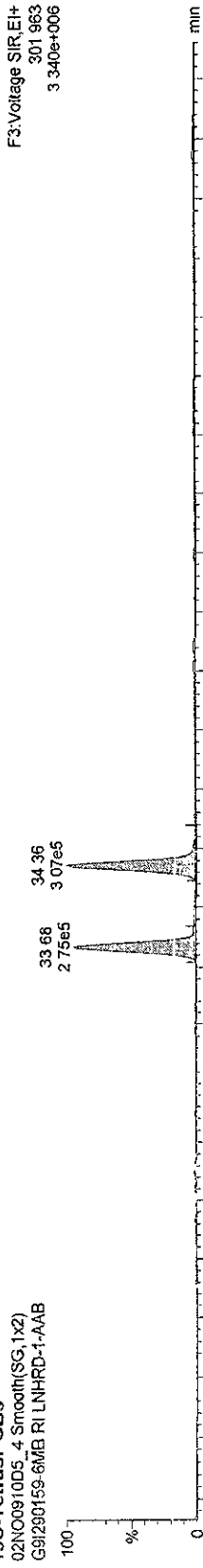
**TetraPCBs**



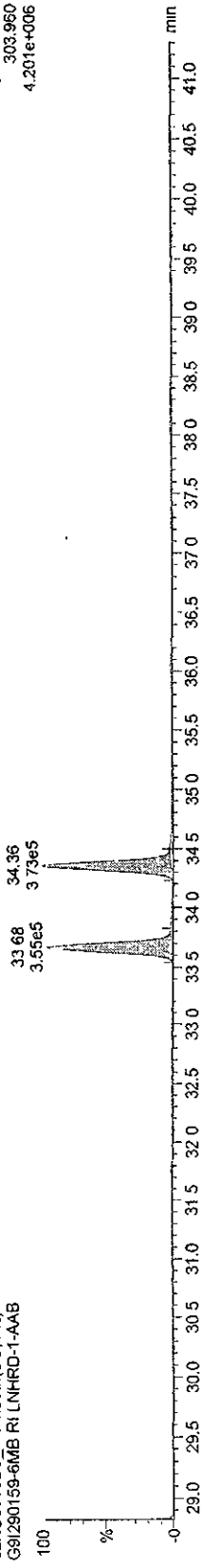
**13C-TetrasPCBs**



**13C-TetrasPCBs**



**13C-TetrasPCBs**



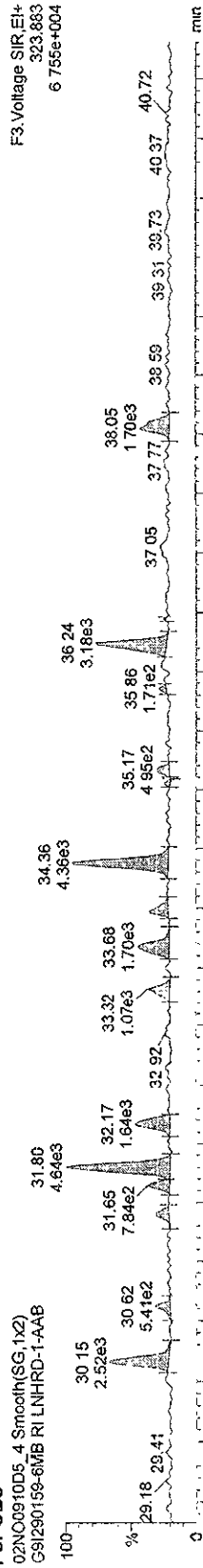
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qtd

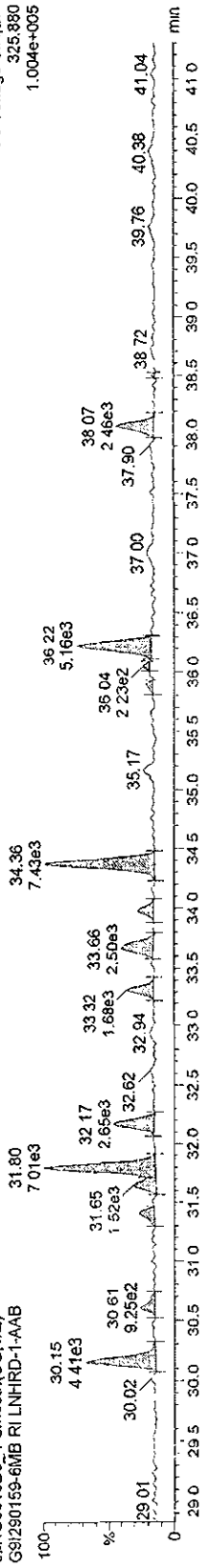
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Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G9I290159-6MB RI

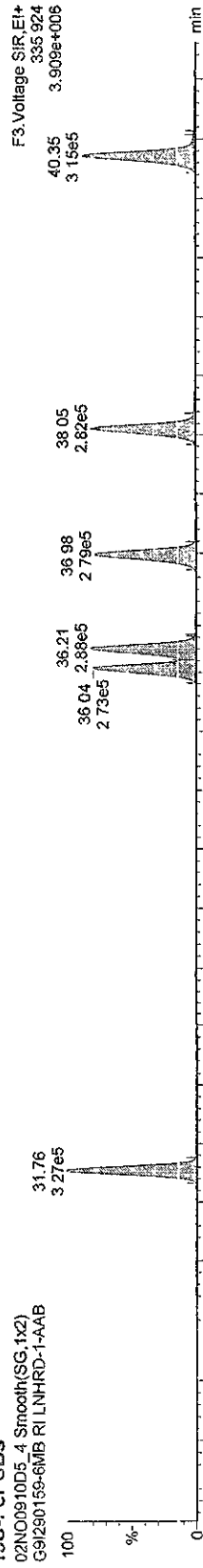
PePCBs



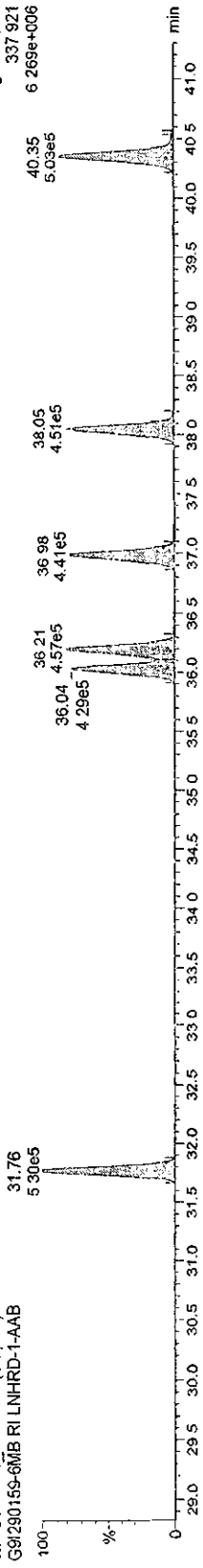
PePCBs



13C-PePCBs



13C-PePCBs



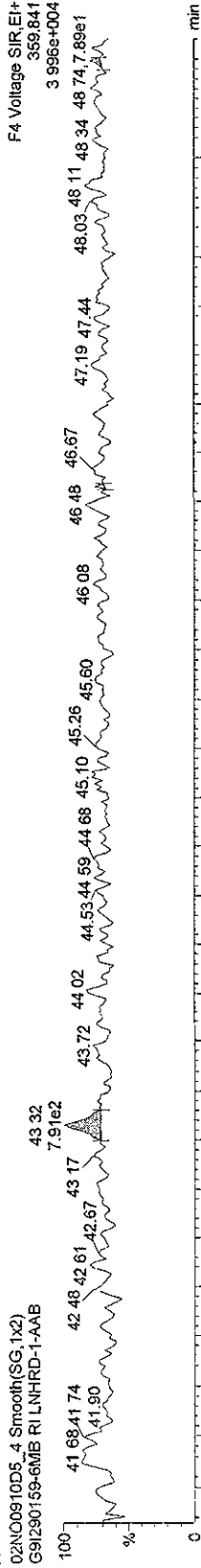
Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default.pro\02N00910D51663MSL.qld

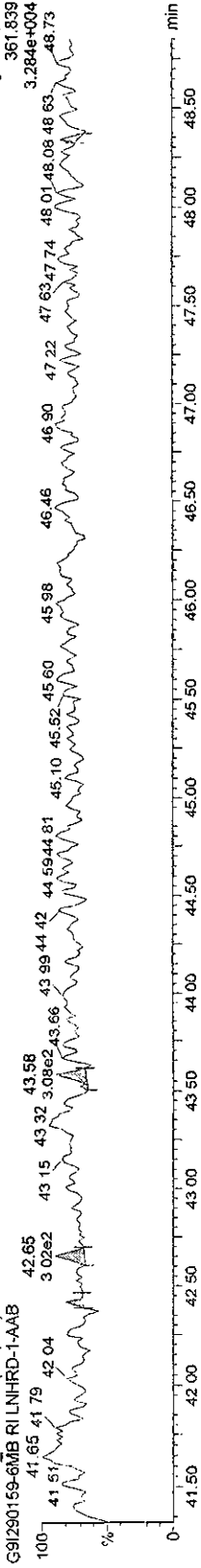
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Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02N00910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G9I290159-6MB RI

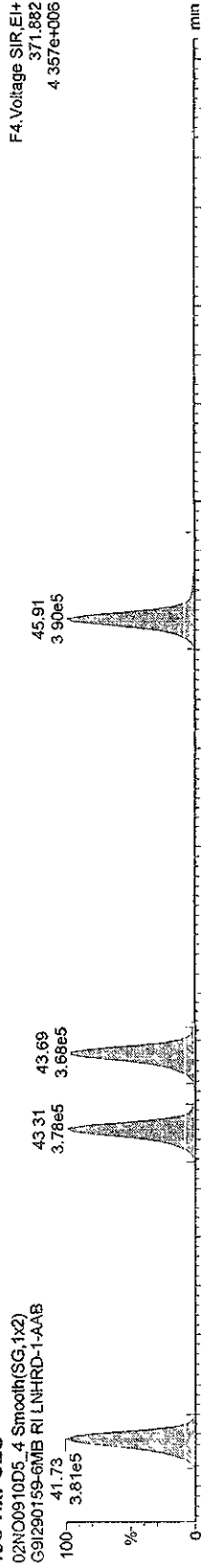
HXPCBs-



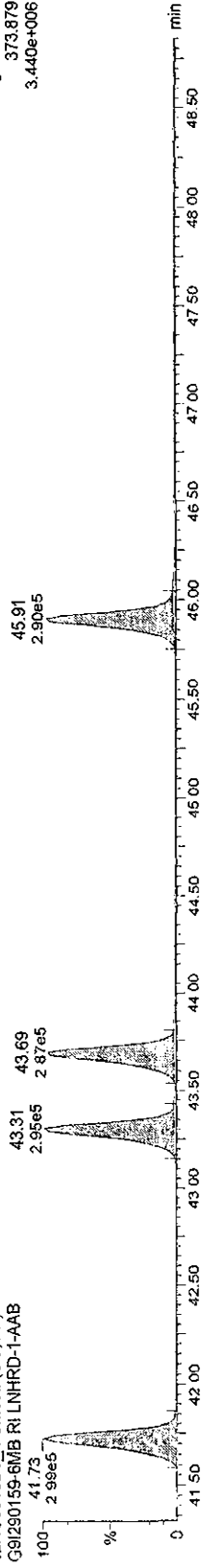
HXPCBs+



13C-HXPCBs



HXPCBs-



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NCO0910D51668MSL.qld

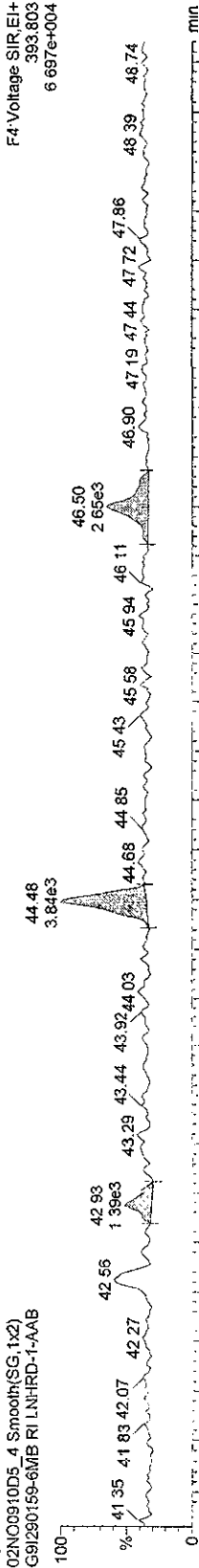
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time

Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

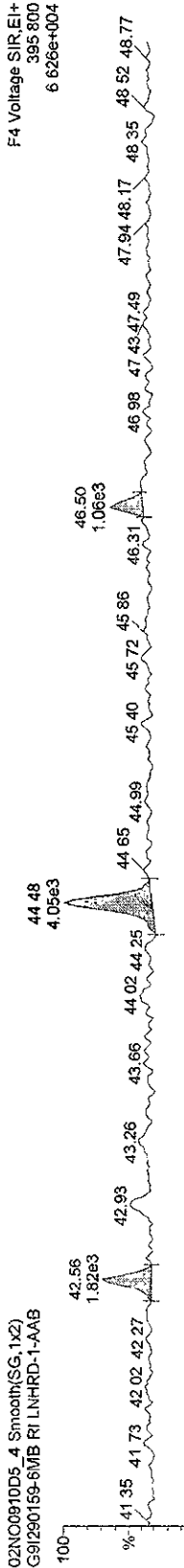
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HpPCBs

02NCO0910D5\_4 Smooth(SG,1x2)  
G9I290159-6MB RI LNHRD-1-AAB

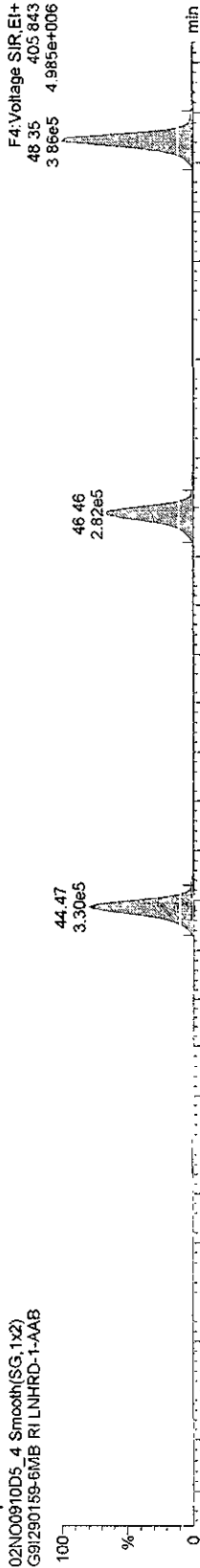


02NCO0910D5\_4 Smooth(SG,1x2)  
G9I290159-6MB RI LNHRD-1-AAB

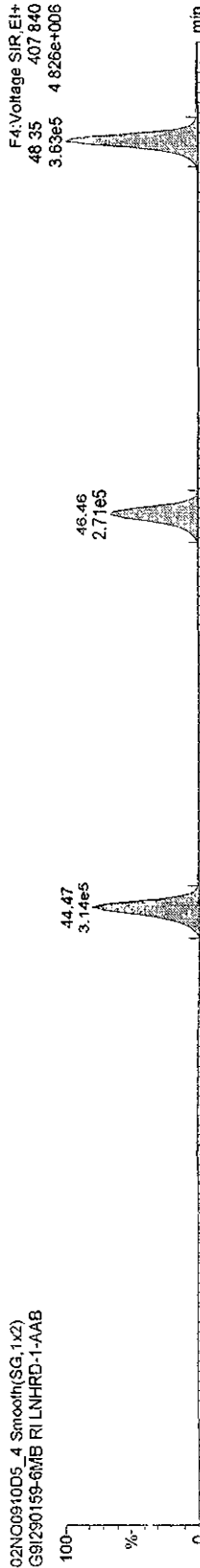


13C-HpPCBs

02NCO0910D5\_4 Smooth(SG,1x2)  
G9I290159-6MB RI LNHRD-1-AAB



02NCO0910D5\_4 Smooth(SG,1x2)  
G9I290159-6MB RI LNHRD-1-AAB



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro102NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time

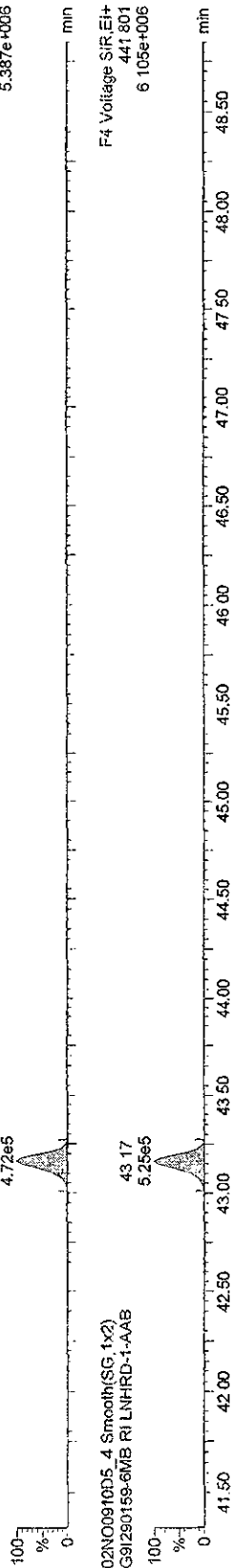
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G9I290159-6MB RI

13C-OcCB-202

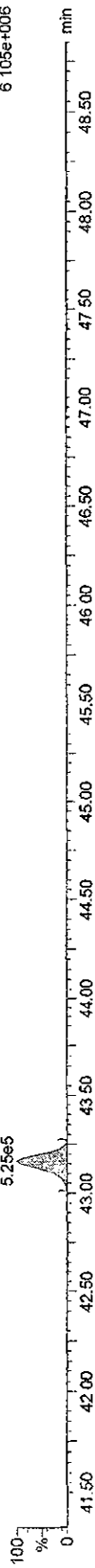
02NO0910D5\_4 Smooth(SG,1x2)  
G9I290159-6MB RI LNHRD-1-AAB

F4: Voltage SIR, EI+  
439.804  
5.387e+006



02NO0910D5\_4 Smooth(SG,1x2)  
G9I290159-6MB RI LNHRD-1-AAB

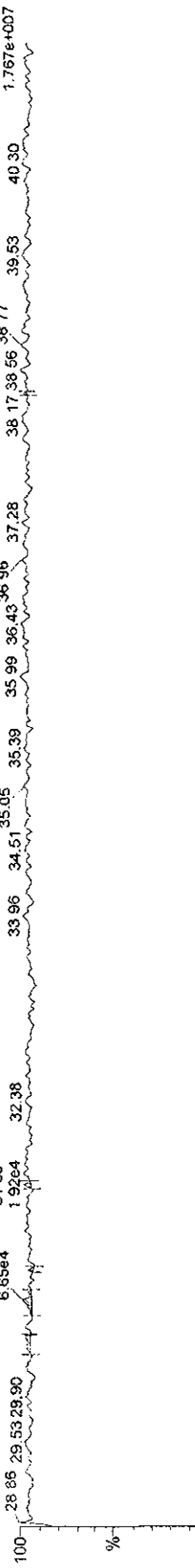
F4: Voltage SIR, EI+  
441.801  
6.105e+006



Function 3 PFK

02NO0910D5\_4 Smooth(SG,1x2)  
G9I290159-6MB RI LNHRD-1-AAB

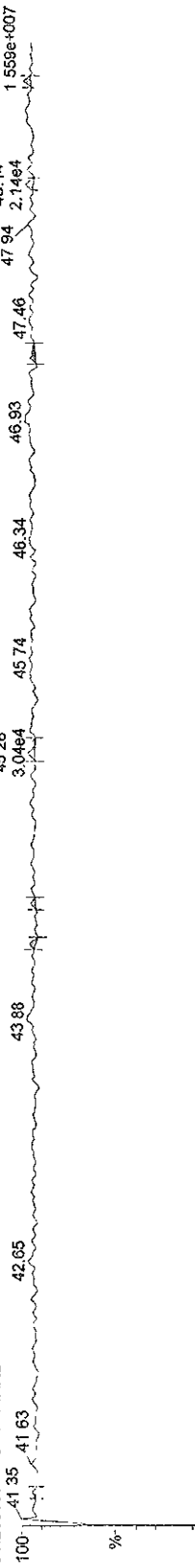
F3: Voltage SIR, EI+  
380.976  
1.767e+057



Function 4 PFK

02NO0910D5\_4 Smooth(SG,1x2)  
G9I290159-6MB RI LNHRD-1-AAB

F4: Voltage SIR, EI+  
380.976  
1.559e+007





Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:39:45 PM Pacific Standard Time

SM1 11-03-09

Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G91290159-6LCS RI, Task:

#	Name	Trace	Sample Size	RT	Pi	Rt	RR	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date	
1	13C-PeCB-101	335.924	10.000	31.76	31.75	1.000			928442.56	200.0000	200.0000	100.0	0.1991	0.619	0.610		NO	
2																		
3	13C-TeCB-81	301.963	10.000	33.68	33.65	1.040			777381.69	161.0431	161.0431	80.5	0.2055	0.780	0.770		NO	
4	TeCB-81	289.922	10.000	33.69	33.68	1.458			927318.28	163.5882	163.5882		0.1305	0.750	0.770		NO	
5	13C-TeCB-77	301.963	10.000	34.35	34.34	1.104			818589.84	159.6813	159.6813	79.8	0.1935	0.776	0.770		NO	
6	TeCB-77	289.922	10.000	34.38	34.35	1.271			837276.06	160.9983	160.9983		0.1460	0.754	0.770		NO	
7																		
8	13C-PeCB-123	335.924	10.000	36.02	36.02	0.993			862540.50	187.0689	187.0689	93.5	0.2005	0.618	0.610		NO	
9	PeCB-123	323.883	10.000	36.06	36.02	1.505			1110974.88	171.1223	171.1223		0.1408	0.609	0.610		NO	
10	13C-PeCB-118	335.924	10.000	36.19	36.19	1.024			900998.84	189.5259	189.5259	94.8	0.1944	0.624	0.610		NO	
11	PeCB-118/106	323.883	10.000	36.23	36.19	1.525			1183585.75	172.2400	172.2400		0.1363	0.613	0.610		NO	
12	13C-PeCB-114	335.924	10.000	36.98	36.97	1.037			853313.19	177.2730	177.2730	88.6	0.1920	0.632	0.610		NO	
13	PeCB-114	323.883	10.000	37.01	36.98	1.586			1238070.97	182.9594	182.9594		0.1367	0.604	0.610		NO	
14	13C PeCB-105	335.924	10.000	38.05	38.05	0.982			874295.63	191.8841	191.8841	95.9	0.2028	0.623	0.610		NO	
15	PeCB-105/127	323.883	10.000	38.07	38.05	1.433			1080689.75	172.4831	172.4831		0.1411	0.611	0.610		NO	
16	13C-PeCB-126	335.924	10.000	40.35	40.35	1.030			976438.97	204.2152	204.2152	102.1	0.1933	0.626	0.610		NO	
17	PeCB-126	323.883	10.000	40.37	40.35	1.156			967670.38	171.4841	171.4841		0.1647	0.615	0.610		NO	
18																		
19	13C-OcCB-202	439.804	10.000	43.17	43.16	1.000			1084843.16	200.0000	200.0000	100.0	0.0707	0.883	0.890		NO	
20																		
21	13C-HxCB-167	371.882	10.000	41.73	41.71	1.002			797103.72	146.5913	146.5913	73.3	0.1723	1.270	1.240		NO	
22	HxCB-167	359.841	10.000	41.74	41.73	1.348			1005885.13	187.2346	187.2346		0.3136	1.232	1.240		NO	
23	13C-HxCB-156	371.882	10.000	43.31	43.29	0.785			793412.66	186.3094	186.3094	93.2	0.2200	1.275	1.240		NO	
24	HxCB-156	359.841	10.000	43.32	43.31	1.688			1041712.19	155.5259	155.5259		0.2599	1.229	1.240		NO	
25	13C-HxCB-157	371.882	10.000	43.68	43.68	0.835			772391.00	170.4810	170.4810	85.2	0.2068	1.264	1.240		NO	
26	HxCB-157	359.841	10.000	43.71	43.68	1.660			1073359.81	167.4641	167.4641		0.2692	1.222	1.240		NO	
27	13C-HxCB-169	371.882	10.000	45.91	45.90	0.871			792841.69	167.7617	167.7617	83.9	0.1982	1.273	1.240		NO	
28	HxCB-169	359.841	10.000	45.92	45.91	1.098			798956.03	183.5011	183.5011		0.3985	1.251	1.240		NO	
29																		
30	13C-HpCB-180	405.843	10.000	44.47	44.47	0.684			745791.09	201.0050	201.0050	100.5	0.1443	1.063	1.050		NO	
31	HpCB-180	393.803	10.000	44.48	44.47	1.300			838299.00	172.8625	172.8625		0.2791	1.034	1.050		NO	
32	13C-HpCB-170	405.843	10.000	46.47	46.47	0.548			648427.25	218.2510	218.2510	109.1	0.1802	1.077	1.050		NO	
33	HpCB-170	393.803	10.000	46.50	46.47	1.615			856719.81	163.6186	163.6186		0.2603	1.031	1.050		NO	
34	13C-HpCB-189	405.843	10.000	48.36	48.36	0.698			868881.34	229.6010	229.6010	114.8	0.1415	1.046	1.050		NO	
35	HpCB-189	393.803	10.000	48.37	48.36	1.231			867200.59	162.1912	162.1912		0.2335	1.024	1.050		NO	

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:39:45 PM Pacific Standard Time

Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G9I290159-6LCS RI, Task:

#	Name	Trace	Sample Size	RT	Prod RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
36	37 13C-PeCB-111	335.924	10.000		33.51		1.305					0.1775		0.610		NO
38	39 Function 3 PFK	380.976	1.000				0.00									
	40 Function 4 PFK	380.976	1.000				0.00									

Quantify Sample Report MassLynx 4.1

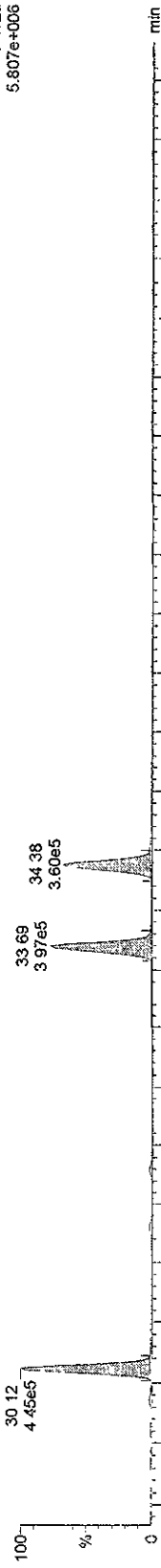
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Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G91290159-6LCS RI

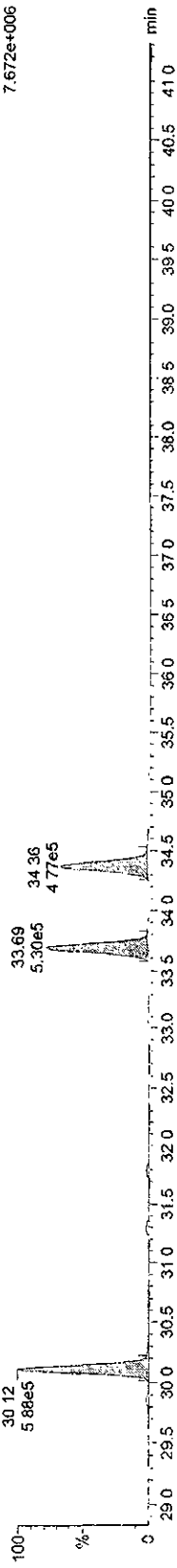
TetraPCBs

02NO0910D5\_5 Smooth(SG,1x2)  
G91290159-6LCS RI LNHRD-1-ACC



F3:Voltage SIR.EI+  
289.922  
5.807e+006

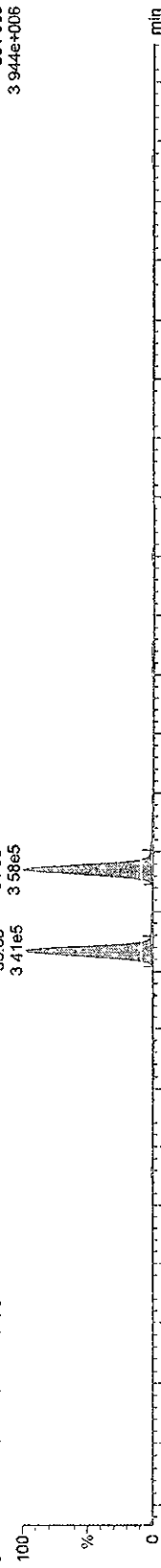
02NO0910D5\_5 Smooth(SG,1x2)  
G91290159-6LCS RI LNHRD-1-ACC



F3:Voltage SIR.EI+  
291.919  
7.672e+006

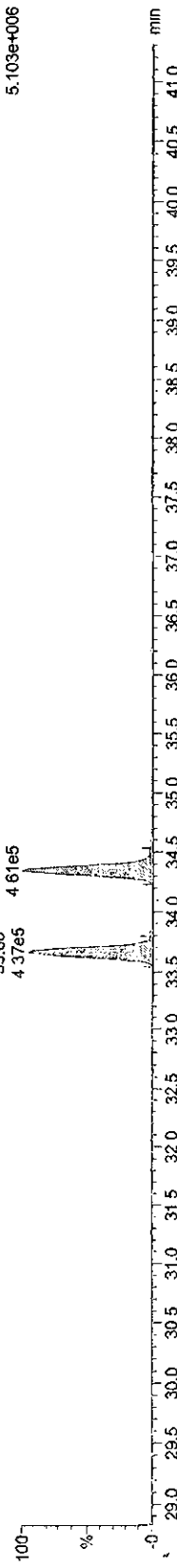
13C-14C-TetrasPCBs

02NO0910D5\_5 Smooth(SG,1x2)  
G91290159-6LCS RI LNHRD-1-ACC



F3:Voltage SIR.EI+  
301.963  
3.944e+006

02NO0910D5\_5 Smooth(SG,1x2)  
G91290159-6LCS RI LNHRD-1-ACC



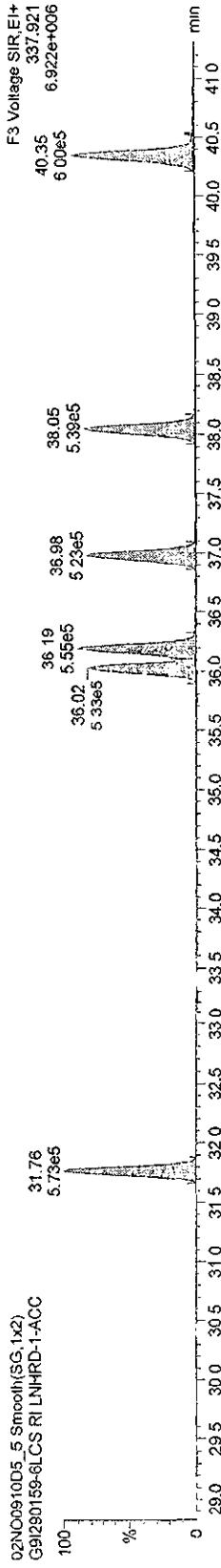
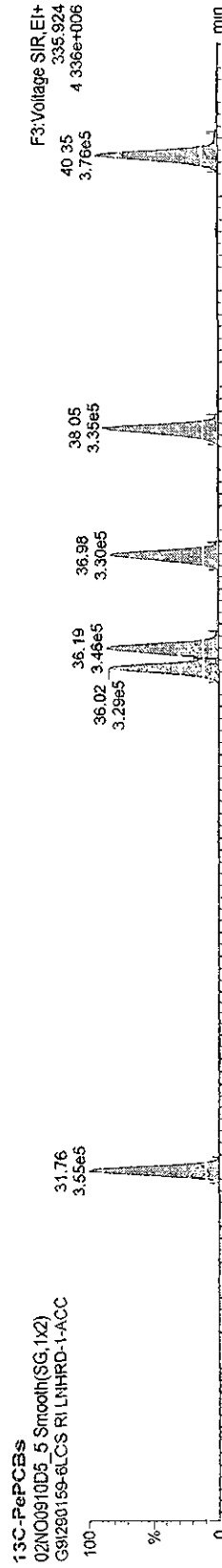
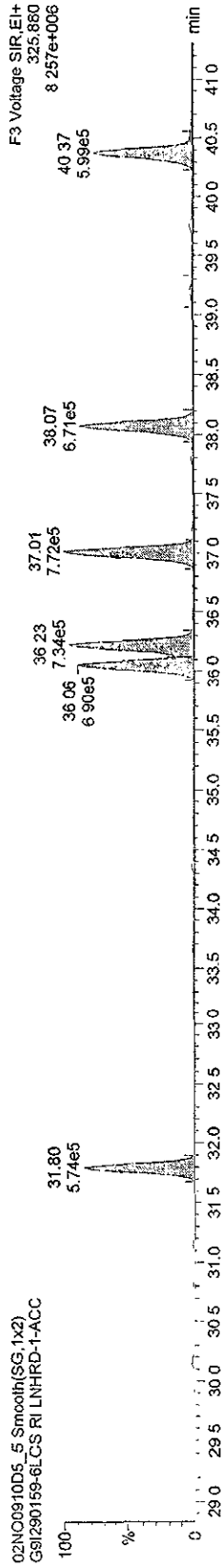
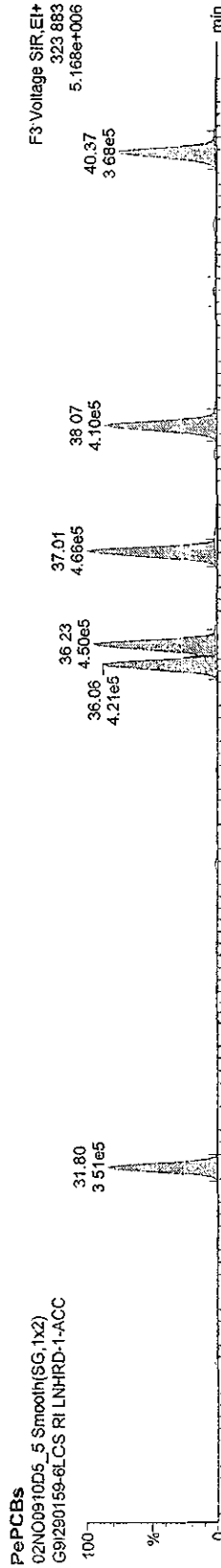
F3:Voltage SIR.EI+  
303.960  
5.103e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G91290159-6LCS RI

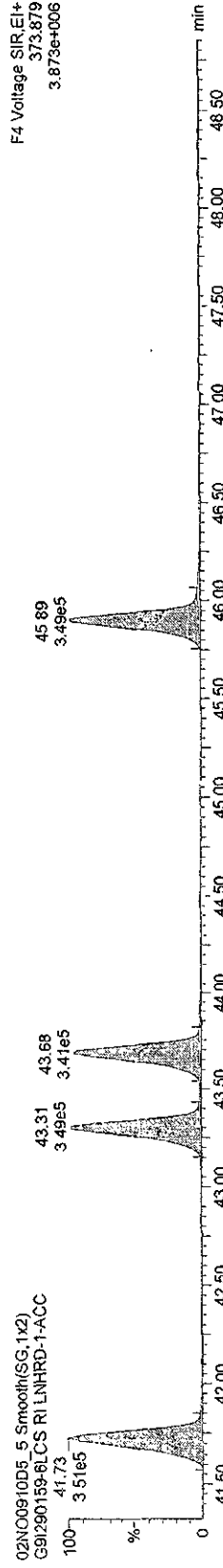
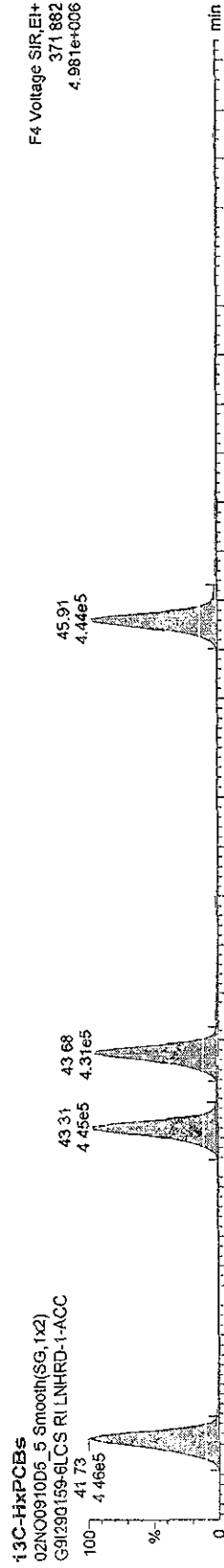
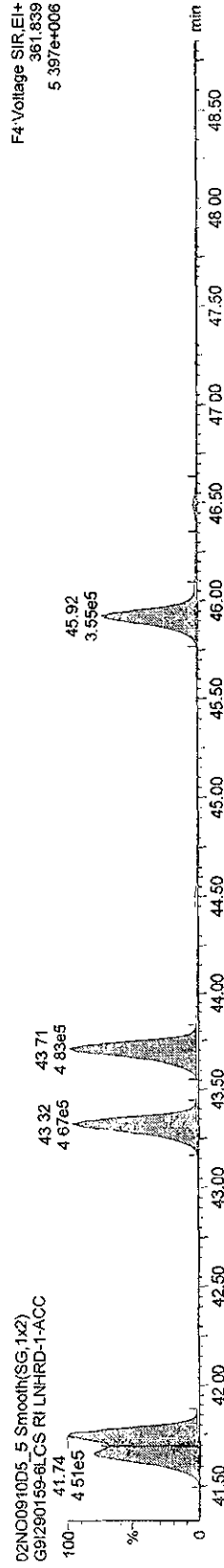
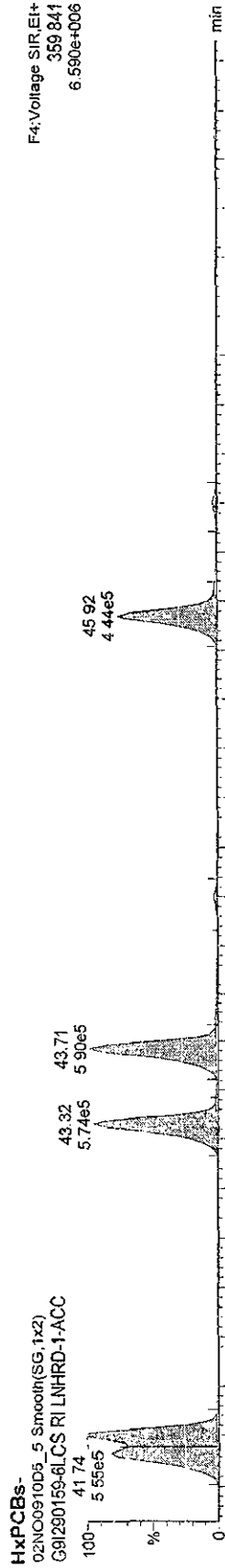


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D5\_1666MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G91290159-6LCS RI



Quantify Sample Report iMassLynx 4.1

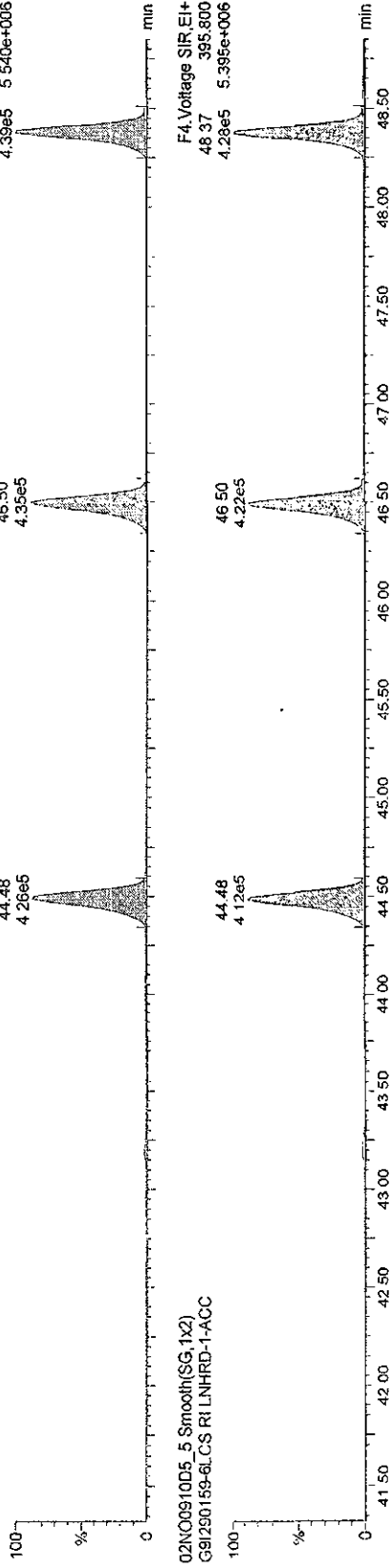
Dataset: C:\masslynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G9I290159-6LCS RI

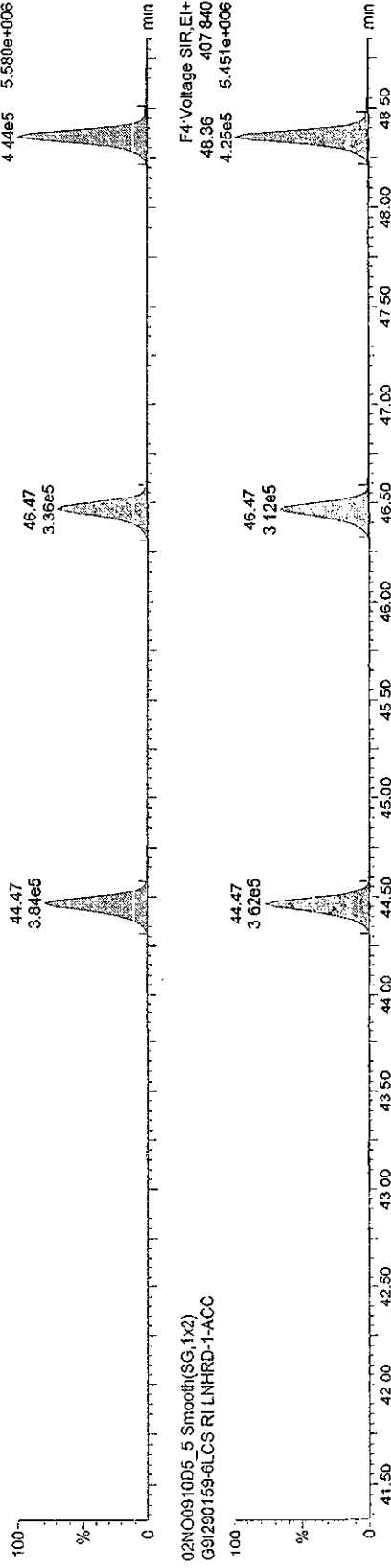
HpPCBs

02NO0910D5\_5 Smooth(SG,1x2)  
G9I290159-6LCS RI LNHRD-1-ACC



<sup>13</sup>C-HpPCBs

02NO0910D5\_5 Smooth(SG,1x2)  
G9I290159-6LCS RI LNHRD-1-ACC



Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

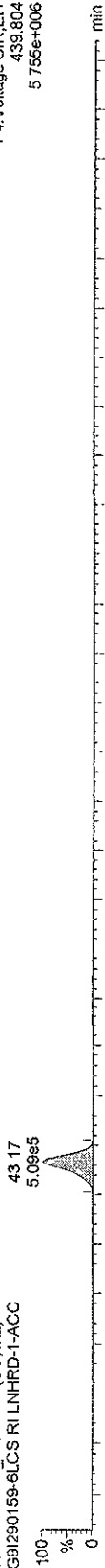
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time

Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

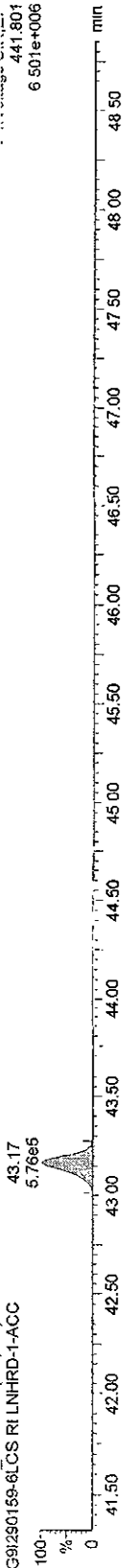
Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHDR-1-ACC, Description: G9I290159-6LCS RI

13C-OcCB-202

02NO0910D5\_5 Smooth(SG,1x2)  
G9I290159-6LCS RI LNHDR-1-ACC

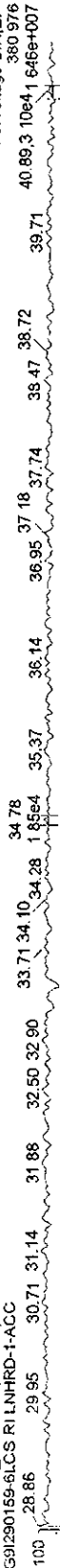


02NO0910D5\_5 Smooth(SG,1x2)  
G9I290159-6LCS RI LNHDR-1-ACC



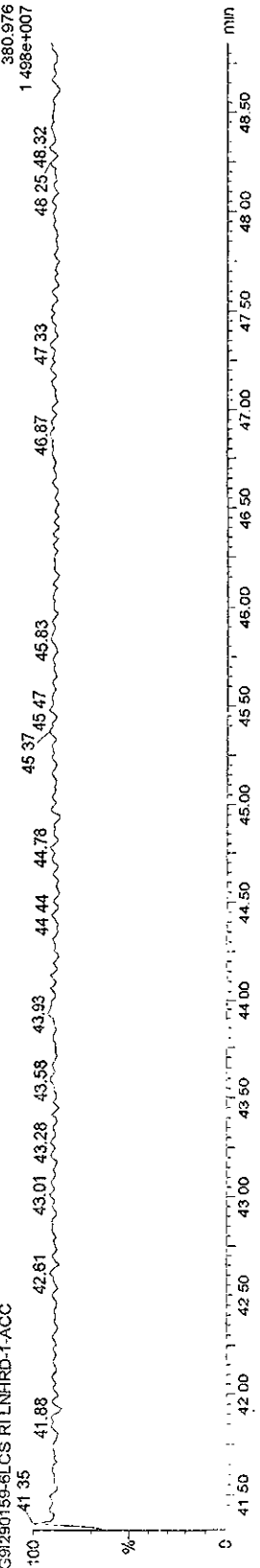
Function 3 PFK

02NO0910D5\_5 Smooth(SG,1x2)  
G9I290159-6LCS RI LNHDR-1-ACC



Function 4 PFK

02NO0910D5\_5 Smooth(SG,1x2)  
G9I290159-6LCS RI LNHDR-1-ACC



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:56:44 Pacific Standard Time

Name: 02NO09A10D5\_4, Date: 02-Nov-2009, Time: 19:00:35, ID: LLM8X-1-AC, Description: G9I290159-6 RI, Task:

*Handwritten notes:*  
N-30ul (1.57) PL=60  
PLS increase by SD%  
See 11/13/09

# Name	Trace	Sample Size	RT	Prod RT	RRFM	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	5.000	31.81	31.75	1.000	217845.95	400.0000	400.0000	100.0	0.9051	0.615	0.610	NO	
2														
3 13C-TeCB-81	301.963	5.000	33.71	33.70	1.040	2596653.14	458.4975	458.4975	114.6	1.2486	0.776	0.770	NO	
4 TeCB-81	289.922	5.000	33.73	33.71	1.458	1067.05	1.1271	1.1271	0.3268	0.3268	0.741	0.770	NO	
5 13C-TeCB-77	301.963	5.000	34.40	34.39	1.104	271888.41	452.0787	452.0787	113.0	1.1757	0.797	0.770	NO	
6 TeCB-77	289.922	5.000	34.41	34.40	1.271	4495.76	5.2055	5.2055	0.3430	0.3430	0.846	0.770	NO	
7														
8 13C-PeCB-123	335.924	5.000	36.07	36.07	0.993	245122.57	453.1489	453.1489	113.3	0.9112	0.620	0.610	NO	
9 PeCB-123	323.883	5.000	35.91	36.07	1.505	2403.35	2.6052	2.6052	0.5576	0.5576	0.601	0.610	NO	
10 13C-PeCB-118	335.924	5.000	36.24	36.24	1.024	257632.28	461.9343	461.9343	115.5	0.8838	0.631	0.610	NO	
11 PeCB-118/106	323.883	5.000	36.26	36.24	1.525	18378.92	18.7072	18.7072	0.5302	0.5302	0.586	0.610	NO	
12 13C-PeCB-114	335.924	5.000	37.03	37.02	1.037	247108.73	437.5803	437.5803	109.4	0.8728	0.634	0.610	NO	
13 PeCB-114	323.883	5.000	37.05	37.03	1.586	501.40	0.5117	0.5117	0.5574	0.5574	0.359	0.610	YES	
14 13C-PeCB-105	335.924	5.000	38.10	38.10	0.982	245893.72	460.0063	460.0063	115.0	0.9221	0.626	0.610	NO	
15 PeCB-105/127	323.883	5.000	38.12	38.10	1.433	8708.47	9.8839	9.8839	0.6200	0.6200	0.618	0.610	NO	
16 13C-PeCB-126	335.924	5.000	40.44	40.40	1.030	236972.99	422.4520	422.4520	105.6	0.8787	0.645	0.610	NO	
17 PeCB-126	323.883	5.000	40.47	40.44	1.156	1587.20	2.3179	2.3179	0.8817	0.8817	0.583	0.610	NO	
18														
19 13C-OcCB-202	439.804	5.000	43.21	43.16	1.000	251138.09	400.0000	400.0000	100.0	0.2629	0.902	0.890	NO	
20														
21 13C-HxCB-167	371.882	5.000	41.79	41.75	1.002	247977.78	393.9947	393.9947	98.5	0.6209	1.287	1.240	NO	
22 HxCB-167	359.841	5.000	41.80	41.79	1.348	4255.30	5.0921	5.0921	1.3483	1.3483	1.255	1.240	NO	
23 13C-HxCB-156	371.882	5.000	43.35	43.33	0.785	237824.98	482.4781	482.4781	120.6	0.7928	1.274	1.240	NO	
24 HxCB-156	359.841	5.000	43.37	43.35	1.688	6220.90	6.1970	6.1970	1.1330	1.1330	1.152	1.240	NO	
25 13C-HxCB-157	371.882	5.000	43.74	43.72	0.835	235521.51	449.1111	449.1111	112.3	0.7451	1.279	1.240	NO	
26 HxCB-157	359.841	5.000	43.74	43.74	1.660	1304.83	1.3353	1.3353	1.1588	1.1588	1.358	1.240	NO	
27 13C-HxCB-169	371.882	5.000	46.02	45.94	0.871	228761.68	418.1904	418.1904	104.5	0.7144	1.280	1.240	NO	
28 HxCB-169	359.841	5.000	46.02	46.02	1.098	19762	1.9762	1.9762	1.9762	1.9762	1.240	1.240	NO	
29														
30 13C-HpCB-180	405.843	5.000	44.55	44.51	0.694	133444.03	310.7228	310.7228	77.7	0.4450	1.048	1.050	NO	
31 HpCB-180	393.803	5.000	44.58	44.55	1.300	44472.40	102.5158	102.5158	2.3633	2.3633	1.010	1.050	NO	
32 13C-HpCB-170	405.843	5.000	46.56	46.51	0.548	170594.66	496.0720	496.0720	124.0	0.5558	1.054	1.050	NO	
33 HpCB-170	393.803	5.000	46.59	46.56	1.615	24505.65	35.5784	35.5784	1.5445	1.5445	1.002	1.050	NO	
34 13C-HpCB-189	405.843	5.000	48.46	48.40	0.698	223005.50	509.1119	509.1119	127.3	0.4363	1.064	1.050	NO	
35 HpCB-189	393.803	5.000	48.48	48.46	1.231	2134.90	3.1114	3.1114	2.7363	2.7363	1.331	1.050	YES	



Masslynx 4.1

Quantify Sample Summary Report

Dataset: C:\MassLynx\Default.pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:56:44 Pacific Standard Time

Name: 02NO09A10D5\_4, Date: 02-Nov-2009, Time: 19:00:35, ID: LLM8X-1-AC, Description: G9I290159-6 RI, Task:

# Name	Trace	Sample Size	RT	Prod RT	RRF M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
36														
37	13C-PeCB-111	335.924	5.000	33.51	1.305					0.6512		0.610		NO
38														
39	Function 3 PFK	380.976	1.000	0.00										
40	Function 4 PFK	380.976	1.000	0.00										

Quantify Sample Report MassLynx 4.1

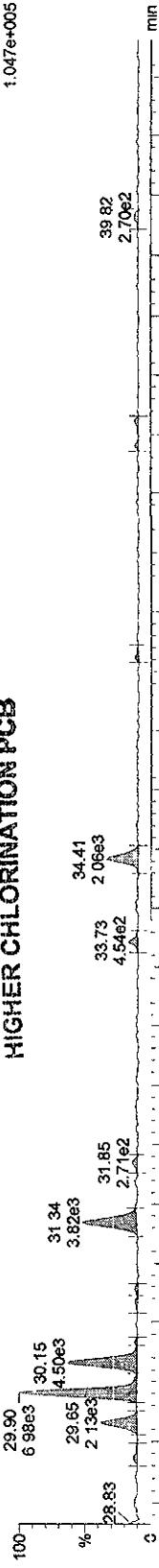
Dataset: C:\MassLynx\Default.pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_4, Date: 02-Nov-2009, Time: 19:00:35, ID: LLM8X-1-AC, Description: G9I290159-6 RI

TetraPCBs

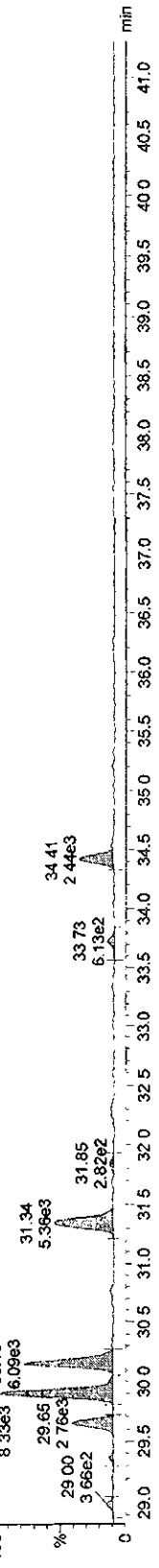
02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC



MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCB

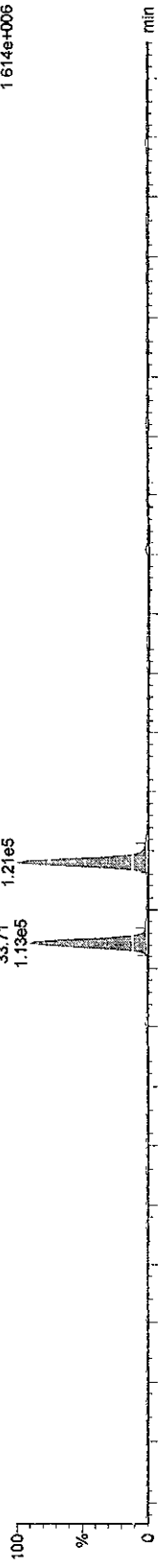
<sup>13</sup>C-TetraPCBs

02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC

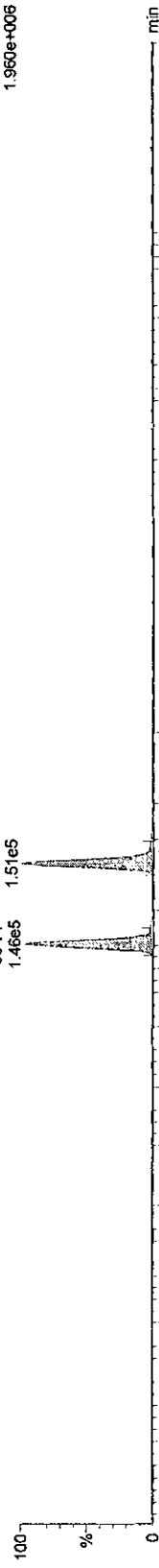


<sup>13</sup>C-TetraPCBs

02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC



02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC



Quantify Sample Report MassLynx 4.1

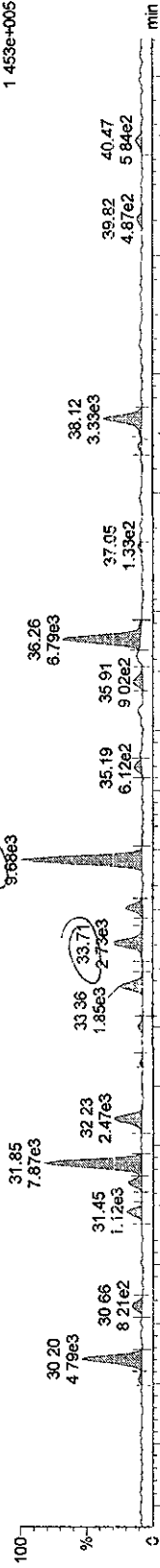
Dataset: C:\MassLynx\Default.pro\02NO09A10D51668MSL.dld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

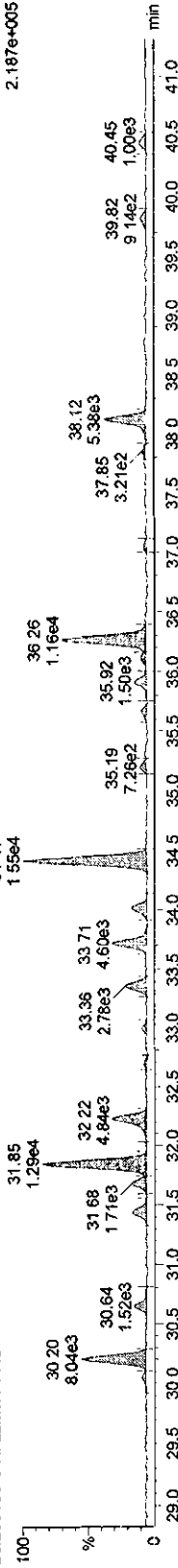
Name: 02NO09A10D5\_4, Date: 02-Nov-2009, Time: 19:00:35, ID: LLM8X-1-AC, Description: G9I290159-6 RI

PePCBs

02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC

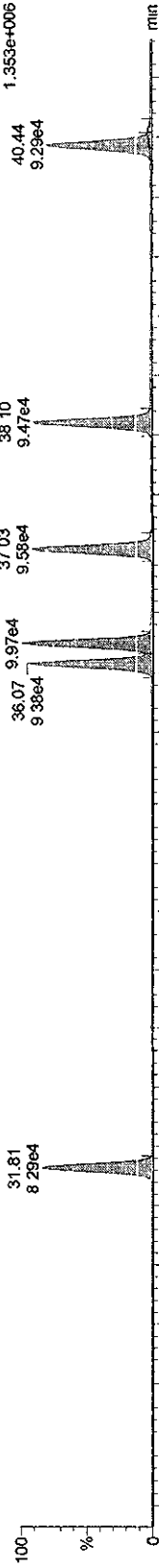


02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC

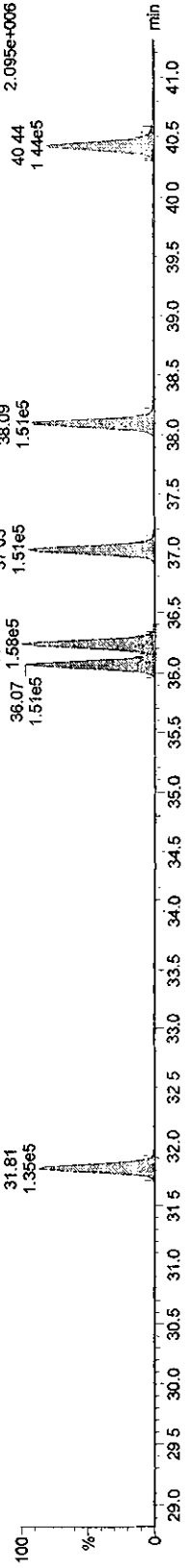


13C-PePCBs

02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC



02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC



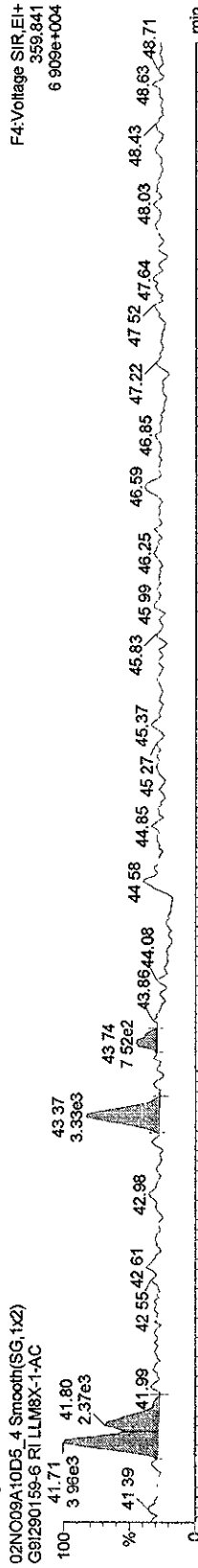
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO09A10D5\_1668MSL.qld

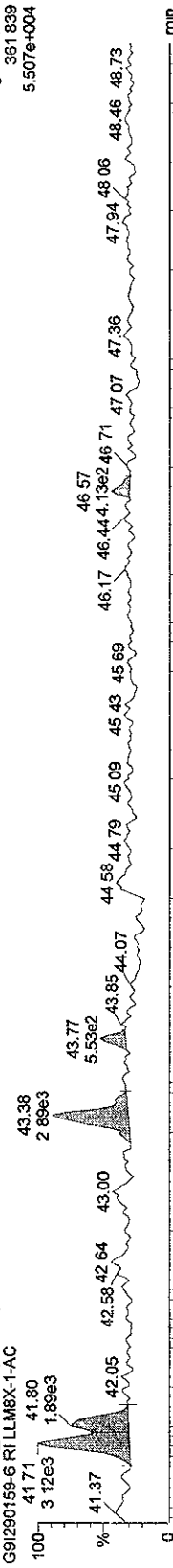
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
 Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_4, Date: 02-Nov-2009, Time: 19:00:35, ID: LLM8X-1-AC, Description: G9I290159-6 RI

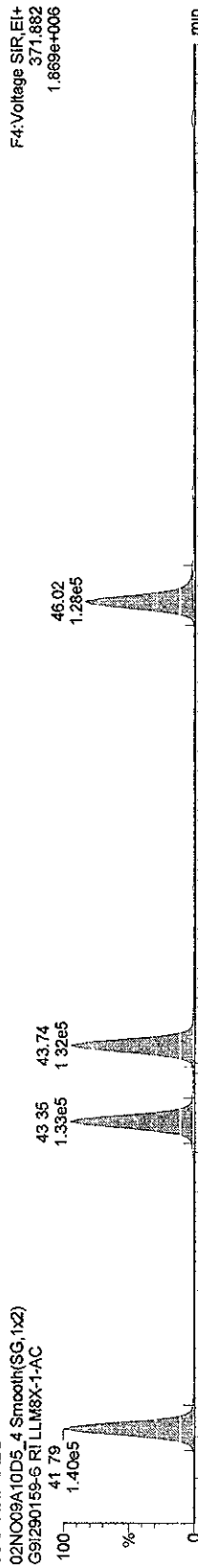
HxPCBs-



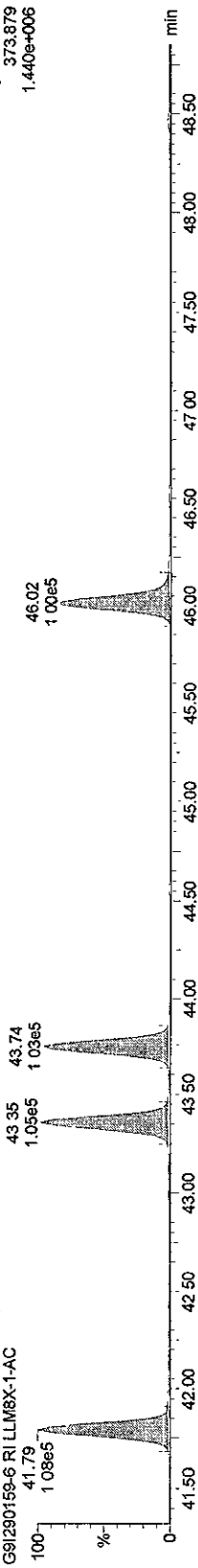
02NO09A10D5\_4 Smooth(SG,1x2)



13C-HxPCBs



02NO09A10D5\_4 Smooth(SG,1x2)



Quantify Sample Report MassLynx 4.1

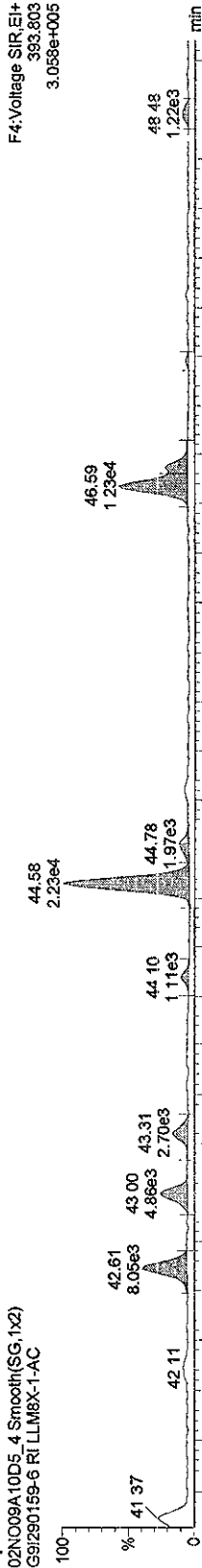
Dataset: C:\MassLynx\Default.pro\02NO09A10D5\_1668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
 Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

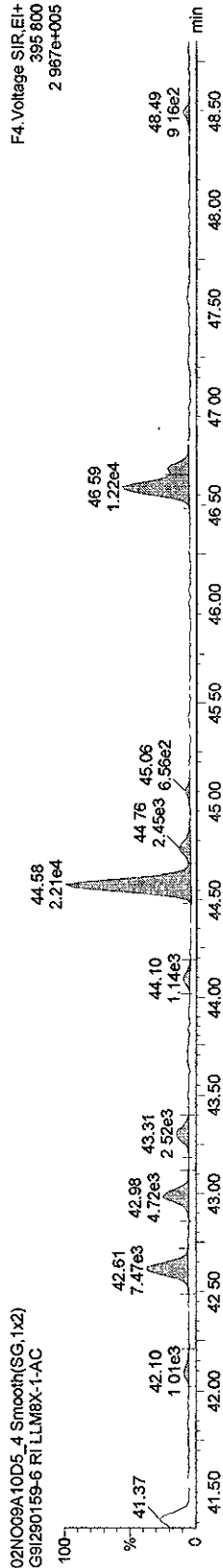
Name: 02NO09A10D5\_4, Date: 02-Nov-2009, Time: 19:00:35, ID: LLM8X-1-AC, Description: G9I290159-6 RI

HpPCBs

02NO09A10D5\_4 Smooth(SG,1x2)  
 G9I290159-6 RI LLM8X-1-AC

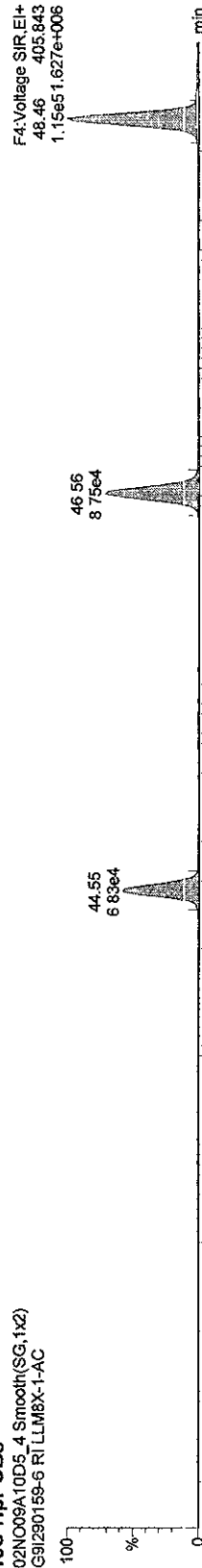


02NO09A10D5\_4 Smooth(SG,1x2)  
 G9I290159-6 RI LLM8X-1-AC

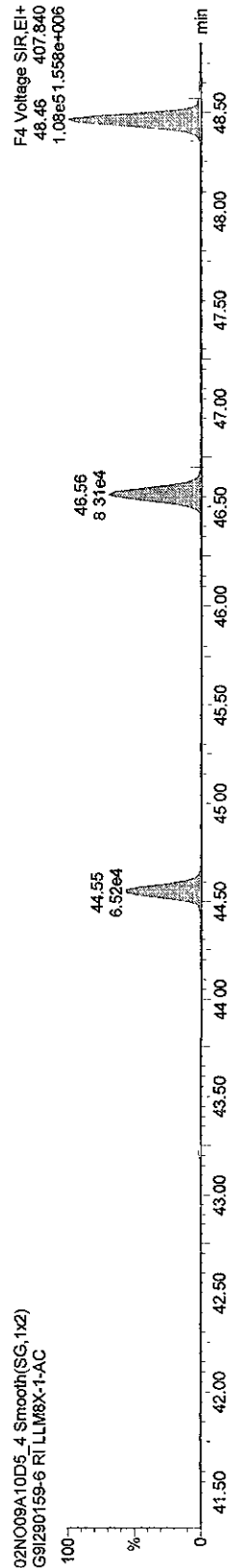


<sup>13</sup>C-HpPCBs

02NO09A10D5\_4 Smooth(SG,1x2)  
 G9I290159-6 RI LLM8X-1-AC



02NO09A10D5\_4 Smooth(SG,1x2)  
 G9I290159-6 RI LLM8X-1-AC



Quantify Sample Report MassLynx 4.1

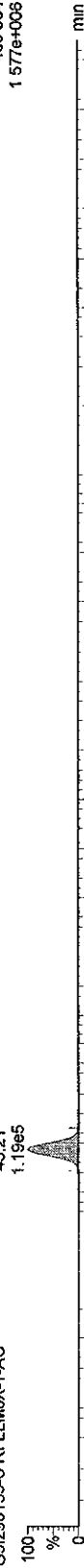
Dataset C:\MassLynx\Default.pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_4, Date: 02-Nov-2009, Time: 19:00:35, ID: LLM8X-1-AC, Description: G9I290159-6 RI

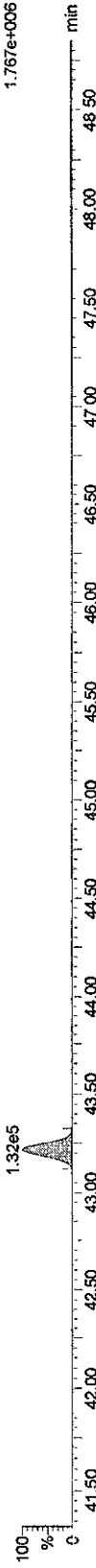
13C-OcCB-202

02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC



F4:Voltage SIR,EI+  
439.804  
1.577e+006

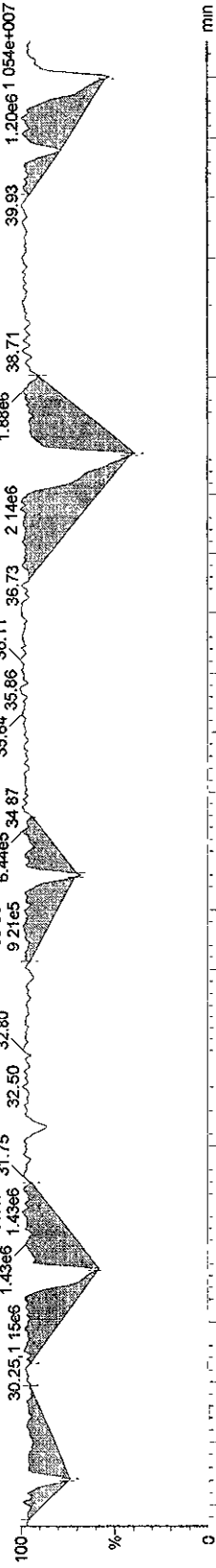
02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC



F4:Voltage SIR,EI+  
441.801  
1.767e+006

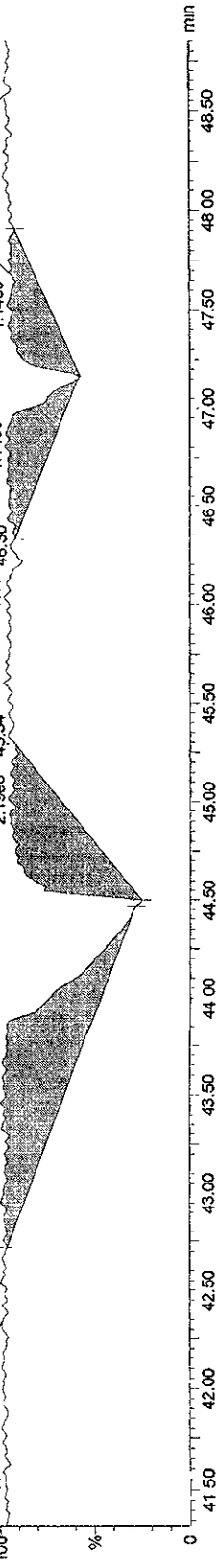
Function 3 PFK

02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC



Function 4 PFK

02NO09A10D5\_4 Smooth(SG,1x2)  
G9I290159-6 RI LLM8X-1-AC



F4:Voltage SIR,EI+  
380.976  
1.577e+006

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:39:45 PM Pacific Standard Time

*SL 11/13/09*

Name: 02NO0910D5\_6, Date: 02-Nov-2009, Time: 12:57:29, ID: LLM81-1-AC, Description: G91290159-7 RI, Task:

# Name	Trace	Sample Size	RT	Prd RT	RRFM	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	10.120	31.80	31.75	1.000	897549.59	197.6285	197.6285	100.0	0.2220	0.627	0.610	NO	
2														
3 13C-TeCB-81	301.963	10.120	33.69	33.69	1.040	853041.16	180.6317	180.6317	91.4	0.2069	0.776	0.770	NO	
4 TeCB-81	289.922	10.120	33.69	33.69	1.458	2448.93	0.3890	0.3890	0.3890	0.0685	0.697	0.770	NO	
5 13C-TeCB-77	301.963	10.120	34.38	34.38	1.104	869495.53	173.3689	173.3689	87.7	0.1948	0.778	0.770	NO	
6 TeCB-77	289.922	10.120	34.40	34.38	1.271	4889.65	0.8747	0.8747	0.8747	0.0784	0.821	0.770	NO	
7														
8 13C-PeCB-123	335.924	10.120	36.06	36.06	0.993	904682.59	200.5554	200.5554	101.5	0.2235	0.618	0.610	NO	
9 PeCB-123	323.883	10.120	36.09	36.06	1.505	3218.31	0.4670	0.4670	0.4670	0.1107	0.598	0.610	NO	
10 13C-PeCB-118	335.924	10.120	36.22	36.23	1.024	952353.56	204.7664	204.7664	103.6	0.2168	0.633	0.610	NO	
11 PeCB-118/106	323.883	10.120	36.24	36.22	1.525	36233.21	4.9293	4.9293	4.9293	0.1027	0.621	0.610	NO	
12 13C-PeCB-114	335.924	10.120	37.01	37.01	1.037	922418.88	195.8747	195.8747	99.1	0.2141	0.638	0.610	NO	
13 PeCB-114	323.883	10.120	37.03	37.01	1.586	1806.92	0.2441	0.2441	0.2441	0.1044	0.508	0.610	YES	
14 13C PeCB-105	335.924	10.120	38.07	38.09	0.982	923470.16	207.1666	207.1666	104.8	0.2262	0.625	0.610	NO	
15 PeCB-105/127	323.883	10.120	38.10	38.07	1.433	16625.44	2.4824	2.4824	2.4824	0.1184	0.630	0.610	NO	
16 13C-PeCB-126	335.924	10.120	40.38	40.39	1.030	1011878.41	216.3154	216.3154	109.5	0.2155	0.639	0.610	NO	
17 PeCB-126	323.883	10.120	40.40	40.38	1.156	2817.80	0.4761	0.4761	0.4761	0.1325	0.516	0.610	YES	
18														
19 13C-OcCB-202	439.804	10.120	43.20	43.16	1.000	1097549.53	197.6285	197.6285	100.0	0.0605	0.909	0.890	NO	
20														
21 13C-HxCB-167	371.882	10.120	41.76	41.74	1.002	878472.38	157.7915	157.7915	79.8	0.1381	1.289	1.240	NO	
22 HxCB-167	359.841	10.120	41.77	41.76	1.348	6252.73	1.0436	0.9513	0.9513	0.2529	1.457	1.240	YES	
23 13C-HxCB-156	371.882	10.120	43.32	43.32	0.785	873383.22	200.3101	200.3101	101.4	0.1763	1.277	1.240	NO	
24 HxCB-156	359.841	10.120	43.35	43.32	1.688	13031.24	1.7464	1.7464	1.7464	0.2043	1.149	1.240	NO	
25 13C-HxCB-157	371.882	10.120	43.71	43.71	0.835	867426.16	186.9966	186.9966	94.6	0.1657	1.274	1.240	NO	
26 HxCB-157	359.841	10.120	43.74	43.71	1.660	4032.84	0.5536	0.5536	0.5536	0.2097	1.128	1.240	NO	
27 13C-HxCB-169	371.882	10.120	45.94	45.93	0.871	880038.16	181.8739	181.8739	92.0	0.1589	1.265	1.240	NO	
28 HxCB-169	359.841	10.120	45.94	45.94	1.098	3959.81	0.6607	0.6607	0.6607	0.3054	1.240	1.240	NO	
29														
30 13C-HpCB-180	405.843	10.120	44.50	44.50	0.684	807004.41	212.4358	212.4358	107.5	0.1095	1.057	1.050	NO	
31 HpCB-180	393.803	10.120	44.53	44.50	1.300	132160.93	24.8895	24.8895	24.8895	0.2447	1.005	1.050	NO	
32 13C-HpCB-170	405.843	10.120	46.51	46.50	0.548	719591.41	236.5610	236.5610	119.7	0.1368	1.060	1.050	NO	
33 HpCB-170	393.803	10.120	46.53	46.51	1.615	63460.25	10.7917	10.7917	10.7917	0.2290	1.039	1.050	NO	
34 13C-HpCB-169	405.843	10.120	48.39	48.39	0.698	962351.84	248.3759	248.3759	125.7	0.1074	1.041	1.050	NO	
35 HpCB-169	393.803	10.120	48.42	48.39	1.231	3959.81	0.6607	0.6607	0.6607	0.2008	1.003	1.050	NO	

**Quantify Sample Summary Report**      **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:39:45 PM Pacific Standard Time

**Name: 02NO0910D5\_6, Date: 02-Nov-2009, Time: 12:57:29, ID: LLM81-1-AC, Description: G9I290159-7 RI, Task:**

#	Name	Trace	Sample Size	RT	Prd RT	RRF M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
36	37 13C-PeCB-111	335.924	10.120		33.51	1.305					0.1789		0.610		NO
38	39 Function 3 PFK	380.976	1.000		0.00										
	40 Function 4 PFK	380.976	1.000		0.00										



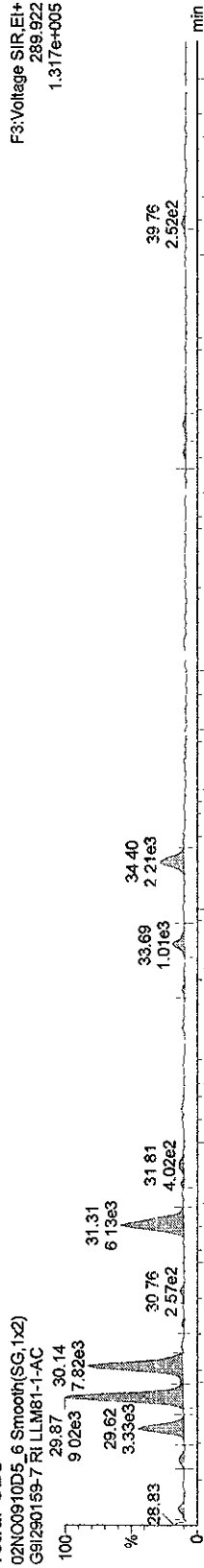
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

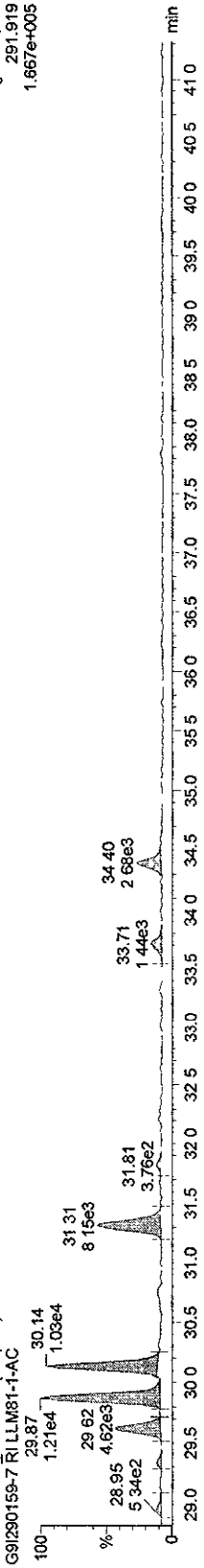
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_6, Date: 02-Nov-2009, Time: 12:57:29, ID: LLM81-1-AC, Description: G9I290159-7 RI

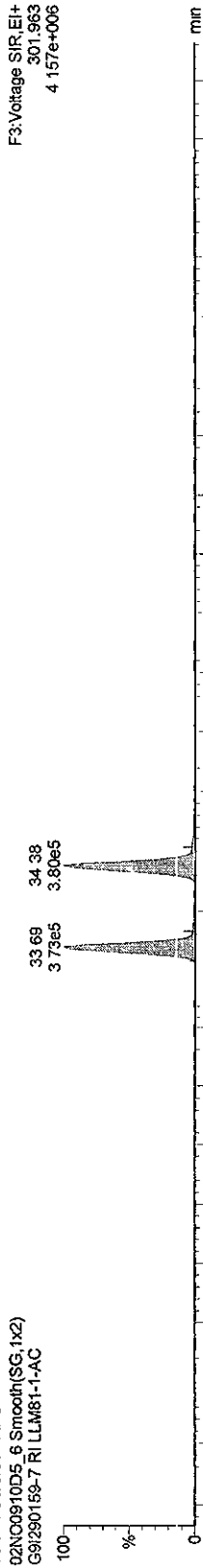
TetraPCBs



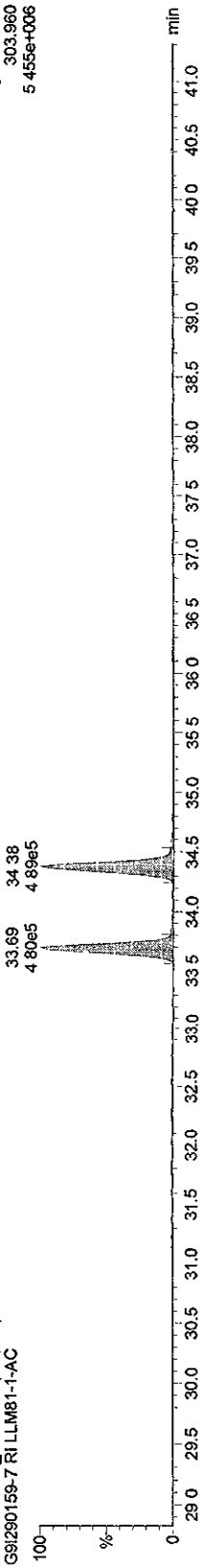
TetraPCBs



13C-TetraPCBs



13C-TetraPCBs



Quantify Sample Report MassLynx 4.1

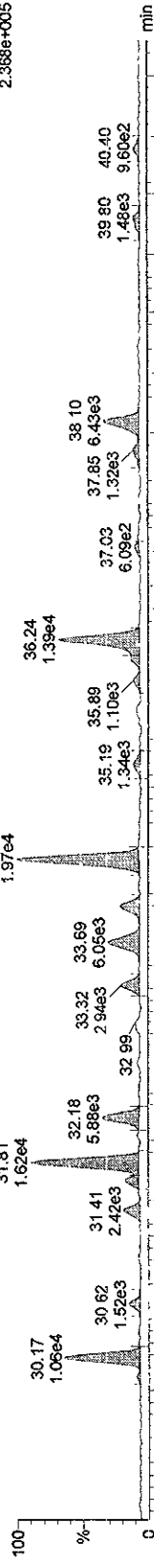
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Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

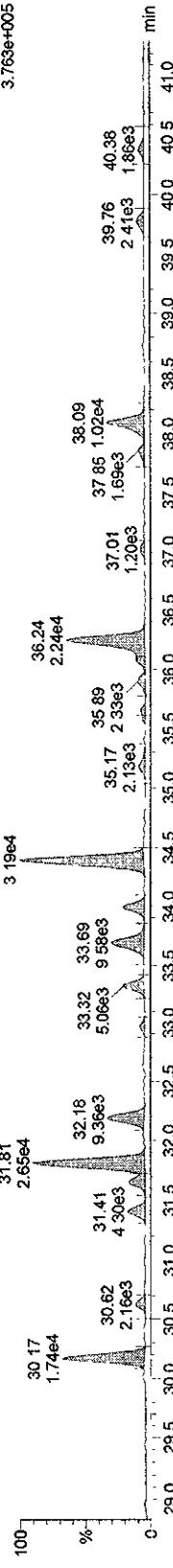
Name: 02NO0910D5\_6, Date: 02-Nov-2009, Time: 12:57:29, ID: LLM81-1-AC, Description: G91290159-7 RI

PePCBs

02NO0910D5\_6 Smooth(SG:1x2)  
 G91290159-7 RI LLM81-1-AC

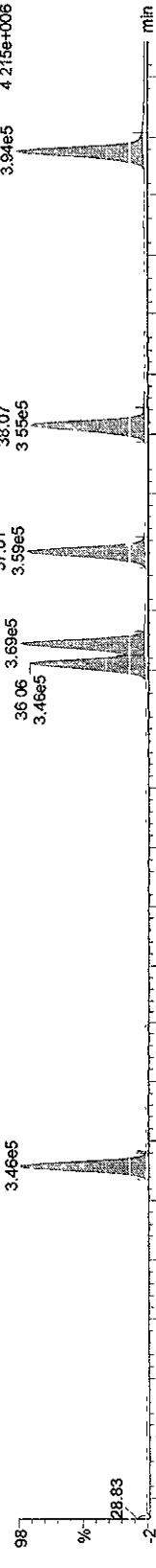


02NO0910D5\_6 Smooth(SG:1x2)  
 G91290159-7 RI LLM81-1-AC

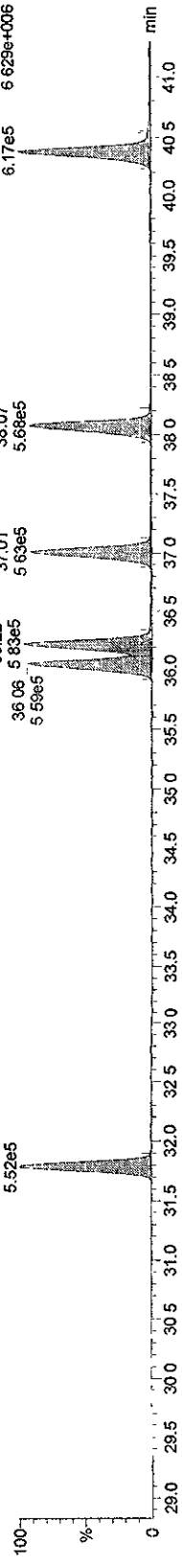


13C-PePCBs

02NO0910D5\_6 Smooth(SG:1x2)  
 G91290159-7 RI LLM81-1-AC



02NO0910D5\_6 Smooth(SG:1x2)  
 G91290159-7 RI LLM81-1-AC

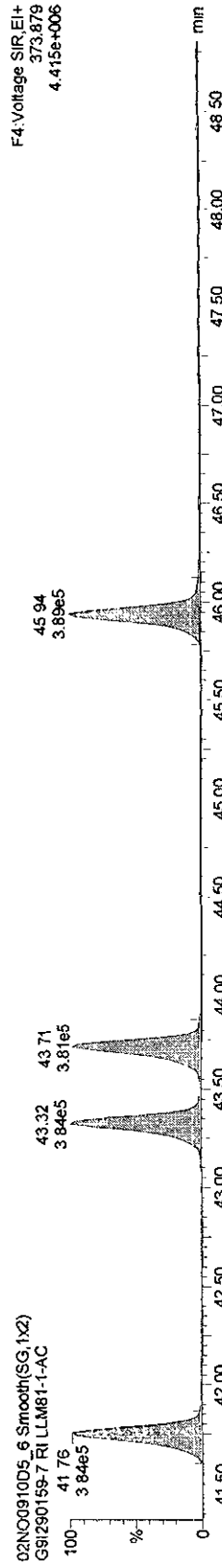
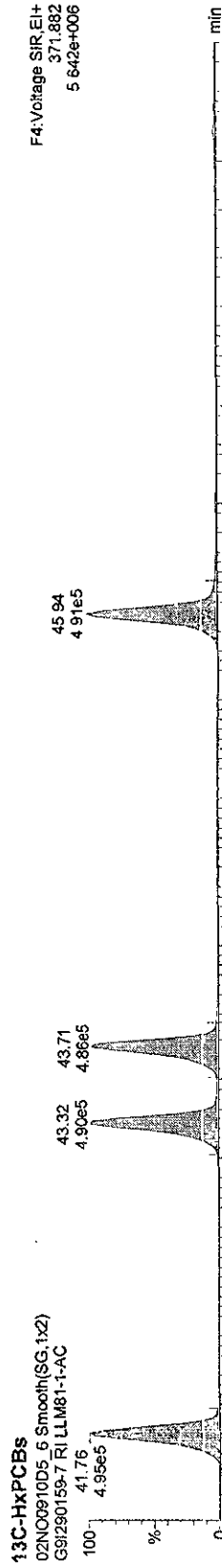
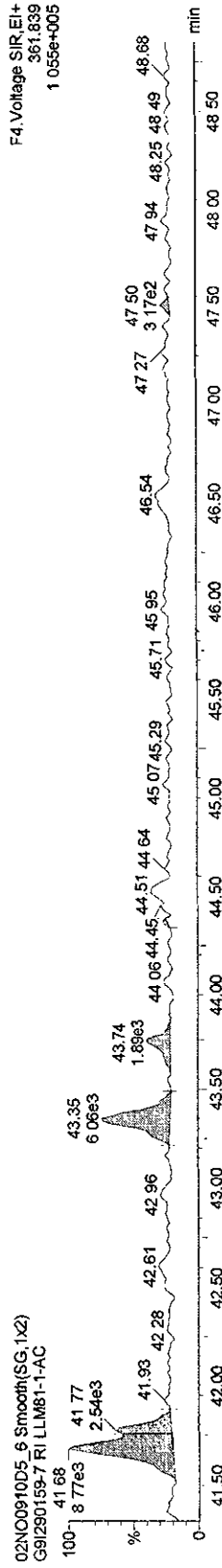
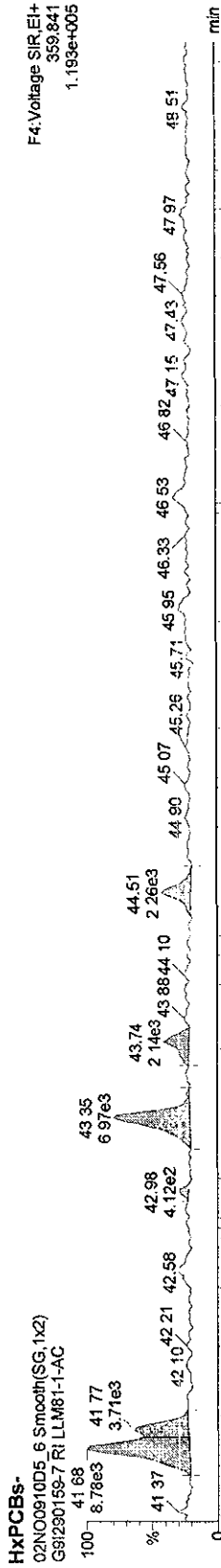


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_6, Date: 02-Nov-2009, Time: 12:57:29, ID: LLM81-1-AC, Description: G9I290159-7 RI



Quantify Sample Report MassLynx 4.1

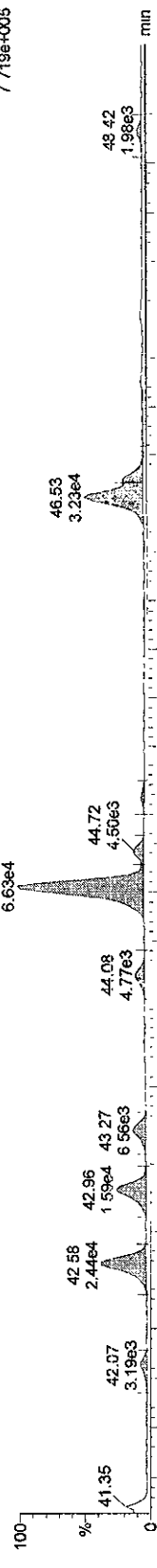
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Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_6, Date: 02-Nov-2009, Time: 12:57:29, ID: LLM81-1-AC, Description: G9I290159-7 RI

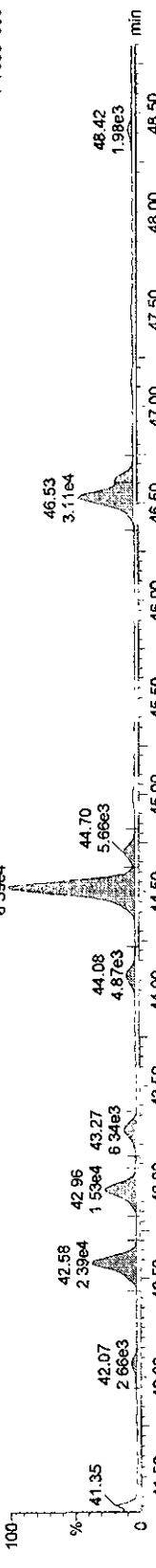
HpPCBs

02NO0910D5\_6 Smooth(SG,1x2)  
G9I290159-7 RI LLM81-1-AC



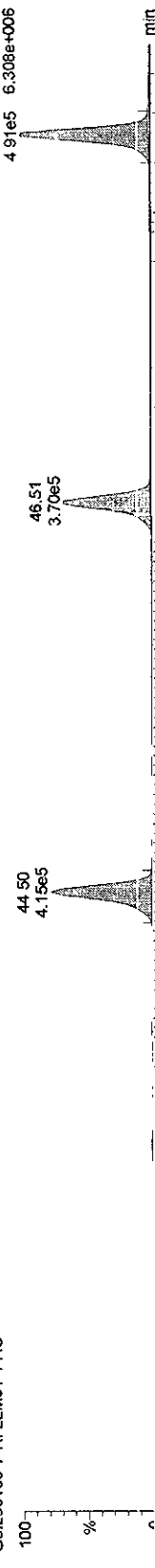
13C-HpPCBs

02NO0910D5\_6 Smooth(SG,1x2)  
G9I290159-7 RI LLM81-1-AC



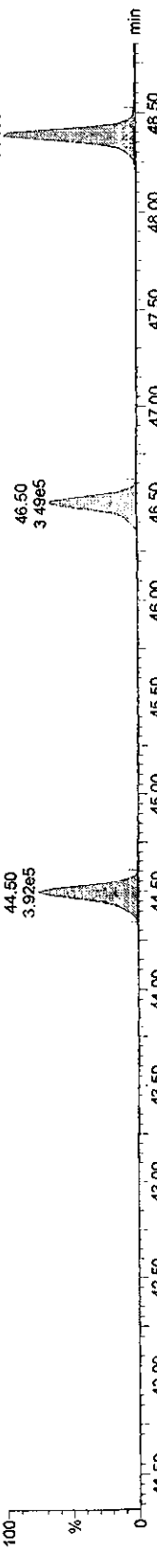
F4: Voltage SIR, EI+

02NO0910D5\_6 Smooth(SG,1x2)  
G9I290159-7 RI LLM81-1-AC



F4: Voltage SIR, EI+

02NO0910D5\_6 Smooth(SG,1x2)  
G9I290159-7 RI LLM81-1-AC



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro02NO0910D51668MSL.qld

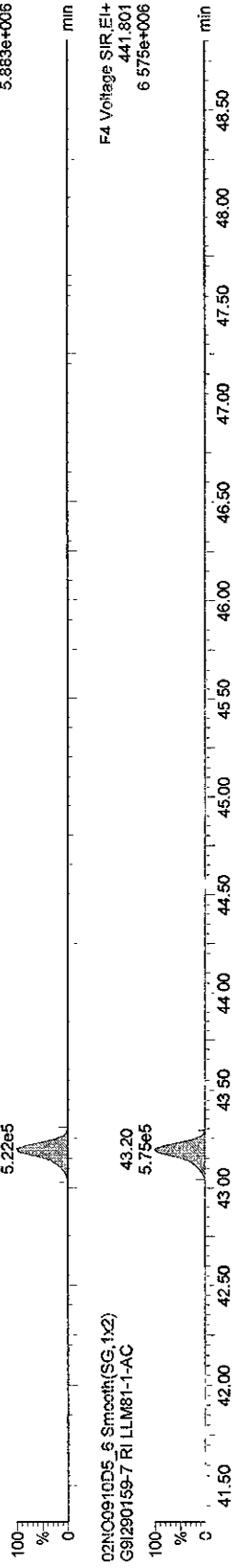
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_6, Date: 02-Nov-2009, Time: 12:57:29, ID: LLM81-1-AC, Description: G9I290159-7 RI

13C-OCCB-202

02NO0910D5\_6 Smoother(SG,1x2)  
G9I290159-7 RI LLM81-1-AC

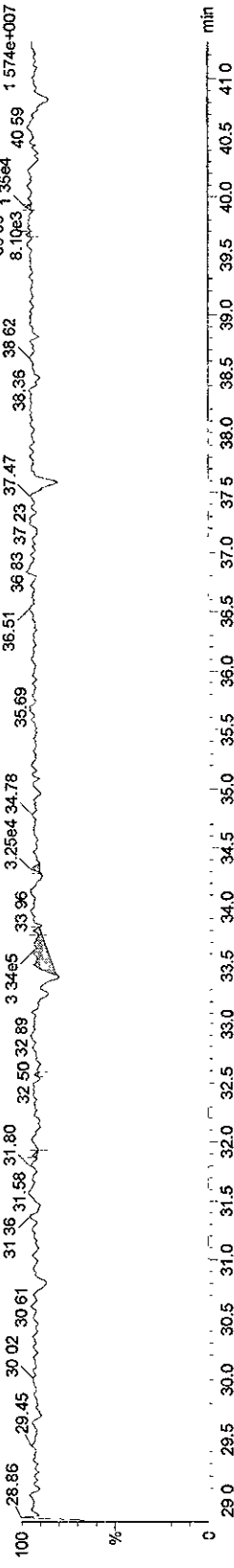
F4: Voltage SIR.EI+  
439.804  
5.863e+006



Function 3 PFK

02NO0910D5\_6 Smoother(SG,1x2)  
G9I290159-7 RI LLM81-1-AC

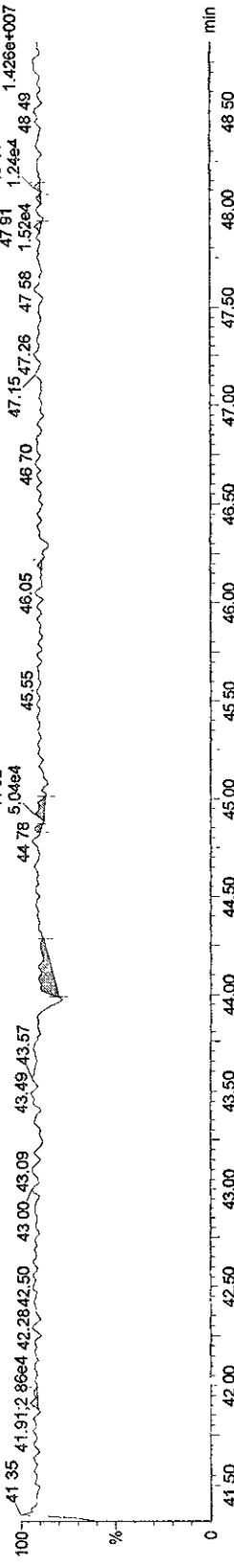
F3: Voltage SIR.EI+  
380.976  
1.574e+007



Function 4 PFK

02NO0910D5\_6 Smoother(SG,1x2)  
G9I290159-7 RI LLM81-1-AC

F4: Voltage SIR.EI+  
380.976  
1.426e+007



Daily Calibration Checklist  
Methods 1668 and 1614

Method ID 1668M

Associated ICAL ICAL0716 200910DS1668M SC

Column ID DB-5

Instrument ID 10DS

STD ID ST1102

STD Solution 09DXN207

Analyzed by SMA

Date Analyzed 11-02-09

Std. Pkg. By SMA

Date Std. Pkg. Assembled 11-03-09

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 11/3/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?***	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71)

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time

Printed: Monday, November 02, 2009 2:49:02 PM Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 02 Nov 2009 06:49:13

Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 02NO0910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST1102, Description: CS-3 09DXN207

#	Name	Response	RT	RRF M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D
1	13C-PeCB-101	1463436	31.76	1.00000	1.00000	100.00	0.0	100.0	0.632	NO	
2											
3	13C-TeCB-81	1436889	33.66	1.03984	0.98186	94.42	-5.6	94.4	0.782	NO	
4	TeCB-81	1034762	33.68	1.45839	1.44028	49.38	-1.2	98.8	0.760	NO	
5	13C-TeCB-77	1511132	34.35	1.10430	1.03259	93.51	-6.5	93.5	0.773	NO	
6	TeCB-77	931895	34.36	1.27061	1.23337	48.53	-2.9	97.1	0.757	NO	
7											
8	13C-PeCB-123	1480738	36.02	0.99324	1.01182	101.87	1.9	101.9	0.614	NO	
9	PeCB-123	1213606	36.04	1.50539	1.63919	54.44	8.9	108.9	0.613	NO	
10	13C-PeCB-118	1558853	36.19	1.02407	1.06520	104.02	4.0	104.0	0.634	NO	
11	PeCB-118/106	1219949	36.21	1.52536	1.56519	51.31	2.6	102.6	0.617	NO	
12	13C-PeCB-114	1591420	36.98	1.03691	1.08745	104.87	4.9	104.9	0.633	NO	
13	PeCB-114	1331143	37.00	1.58603	1.67290	52.74	5.5	105.5	0.611	NO	
14	13C-PeCB-105	1517522	38.04	0.98151	1.03696	105.65	5.6	105.6	0.631	NO	
15	PeCB-105/127	1114828	38.07	1.43326	1.46927	51.26	2.5	102.5	0.610	NO	
16	13C-PeCB-126	1605323	40.35	1.02999	1.09695	106.50	6.5	106.5	0.623	NO	
17	PeCB-126	981757	40.37	1.15582	1.22313	52.91	5.8	105.8	0.641	NO	
18											
19	13C-OcCB-202	1669059	43.15	1.00000	1.00000	100.00	0.0	100.0	0.886	NO	
20											
21	13C-HxCB-167	1550301	41.71	1.00247	0.92885	92.66	-7.3	92.7	1.281	NO	
22	HxCB-167	890717	41.74	1.34796	1.14909	42.62	-14.8	85.2	1.229	NO	
23	13C-HxCB-156	1256307	43.29	0.78510	0.75270	95.87	-4.1	95.9	1.274	NO	
24	HxCB-156	994378	43.31	1.68840	1.58302	46.88	-6.2	93.8	1.239	NO	
25	13C-HxCB-157	1351572	43.68	0.83526	0.80978	96.95	-3.1	96.9	1.278	NO	
26	HxCB-157	1037289	43.69	1.65965	1.53494	46.24	-7.5	92.5	1.217	NO	
27	13C-HxCB-169	1483096	45.89	0.87128	0.88858	101.99	2.0	102.0	1.263	NO	
28	HxCB-169	758093	45.91	1.09832	1.02231	46.54	-6.9	93.1	1.238	NO	
29											
30	13C-HpCB-180	1282614	44.45	0.68403	0.76847	112.34	12.3	112.3	1.056	NO	
31	HpCB-180	812359	44.48	1.30035	1.26672	48.71	-2.6	97.4	1.023	NO	
32	13C-HpCB-170	1052405	46.47	0.54773	0.63054	115.12	15.1	115.1	1.054	NO	
33	HpCB-170	842440	46.48	1.61501	1.60098	49.57	-0.9	99.1	1.018	NO	
34	13C-HpCB-189	1422872	48.36	0.69767	0.85250	122.19	22.2	122.2	1.058	NO	
35	HpCB-189	844120	48.37	1.23073	1.18650	48.20	-3.6	96.4	1.031	NO	
36											
37	13C-PeCB-111	1976838	33.53	1.30475	1.27474	97.70	-2.3	97.7	0.628	NO	
38											
39	Function 3 PFK										
40	Function 4 PFK										

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\02NO0910D5.SPL  
 Last Modified: Monday, November 02, 2009 16:03:03 Pacific Standard Time  
 Printed: Monday, November 02, 2009 15:03:06 Pacific Standard Time

Page 1 of 3

Page Position (1, 1)

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1 02NO0910D5_1	CS-3 09DXN207	ST1102	---	---	1.000000	---	---
2 02NO0910D5_2	Solvent Blank C-12	SB1102	---	---	1.000000	---	---
3 02NO0910D5_3	G9J290203-1MB RI	LNG9P-1-AA	1668/Waste	3	0.100000	g	20
4 02NO0910D5_4	G9I290159-6MB RI	LNHRD-1-AAB	1668/Solid	5	10.000000	g	20
5 02NO0910D5_5	G9I290159-6LCS RI	LNHRD-1-ACC	1668/Solid	---	10.000000	g	20
6 02NO0910D5_6	G9I290159-7 RI	LLM81-1-AC	1668/Solid	---	10.120000	g	20
7 02NO0910D5_7	G9I290159-6 RI	LLM8X-1-AC	1668/Solid	---	5.000000	g	50
8 02NO0910D5_8	G9J280227-6 RI	LNE02-1-AA	1668/Solid	---	5.850000	g	20
9 02NO0910D5_9	G9J280227-7 RI	LNE1C-1-AC	1668/Solid	---	10.570000	g	20
10 02NO0910D5_10	F9I250217-7	LLHGM-1-CC	1668/Solid	---	10.200000	g	20
11 02NO0910D5_11	F9I250217-7MS	LLHGM-1-FDS	1668/Solid	---	10.075000	g	20
12 02NO0910D5_12	F9I250217-7SD	LLHGM-1-FED	1668/Solid	---	10.130000	g	20
13 02NO0910D5_13	F9I250217-9	LLHGX-1-CC	1668/Solid	---	10.070000	g	20

Filament  
burned out

Logfile checked  
11-02-09  
SMTA



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**Sample List Report****MassLynx 4.1**Sample List: C:\MassLynx\Default.pro\Sampledb\02NO0910D5 SPL  
Last Modified: Monday, November 02, 2009 16:03:03 Pacific Standard Time  
Printed: Monday, November 02, 2009 16:03:06 Pacific Standard Time

Page 2 of 3

Page Position (2, 1)

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Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:2	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:3	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:4	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:5	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:6	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:7	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:8	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:10	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:11	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\02NO0910D5.SPL  
Last Modified: Monday, November 02, 2009 16:03:03 Pacific Standard Time  
Printed: Monday, November 02, 2009 16:03:06 Pacific Standard Time

Page 3 of 3

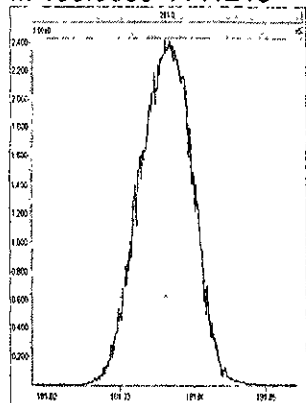
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Conc E	Conc F	Conc G	Conc H	Task
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2000	---	---	---	---
2000	---	---	---	---
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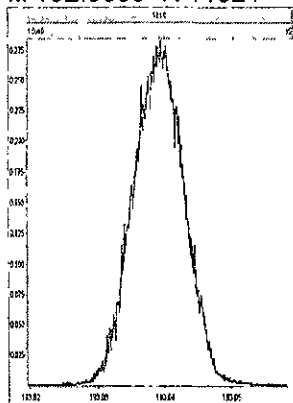
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, November 02, 2009 08:05:48 Pacific Standard Time

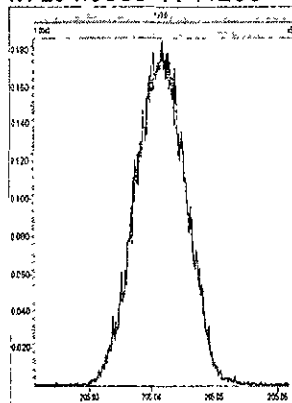
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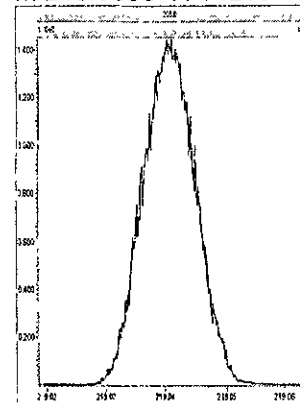
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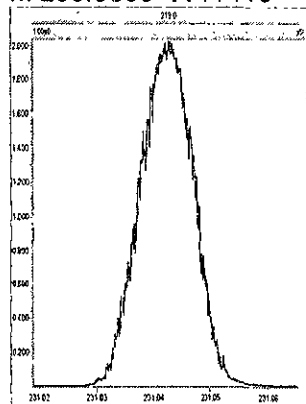
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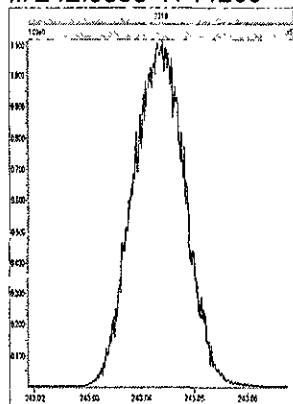
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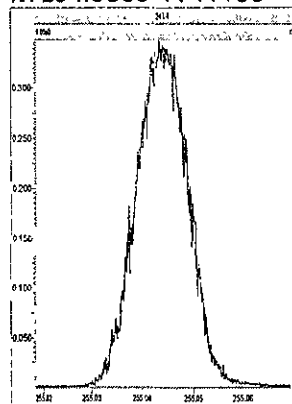
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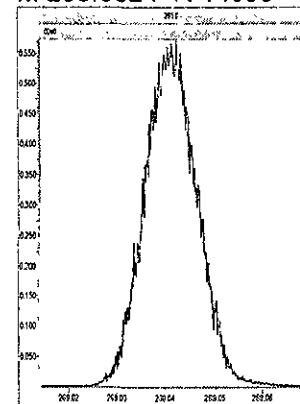
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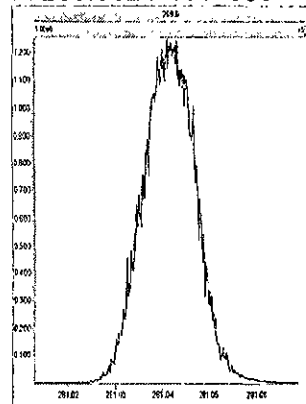
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M 268.9824 R 11063



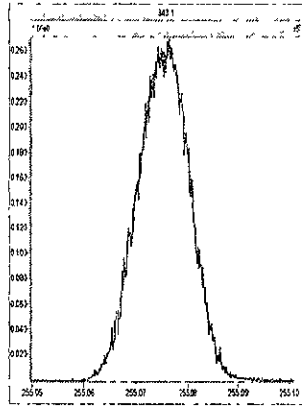
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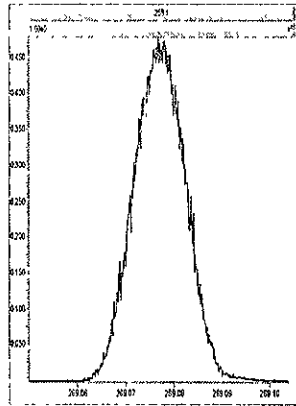
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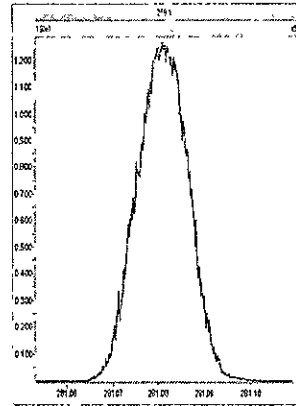
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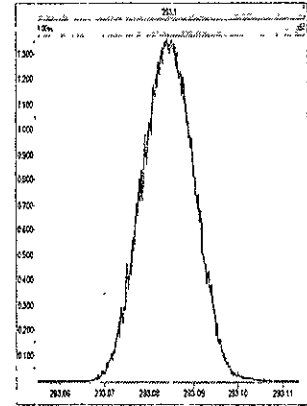
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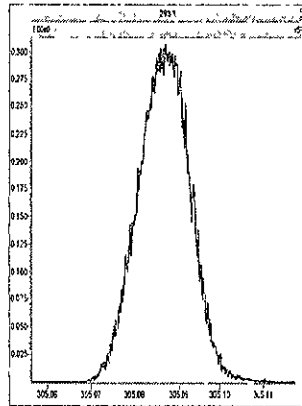
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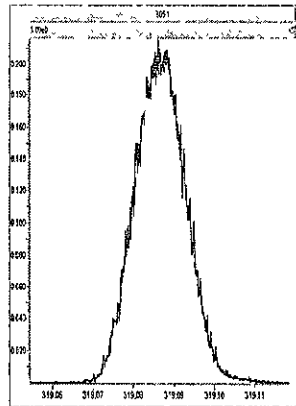
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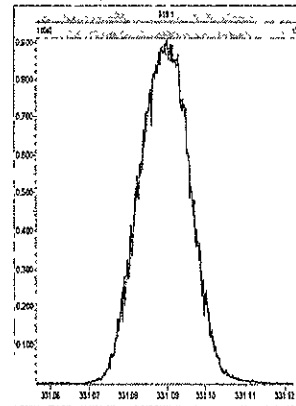
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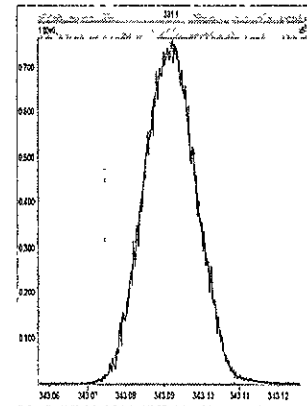
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M 330.9792 R 11414



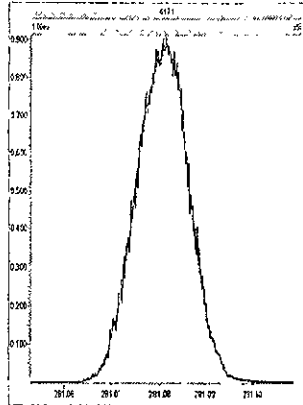
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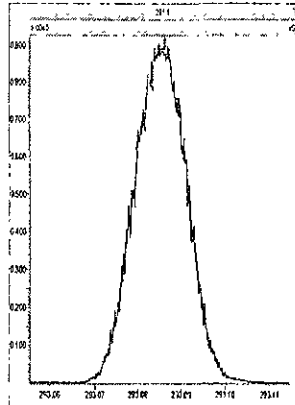
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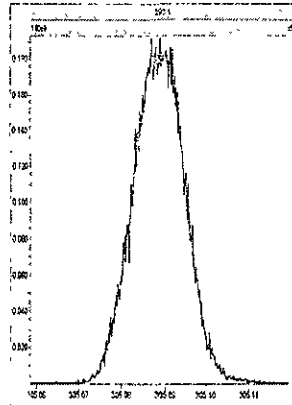
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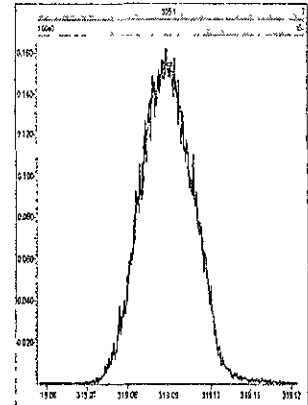
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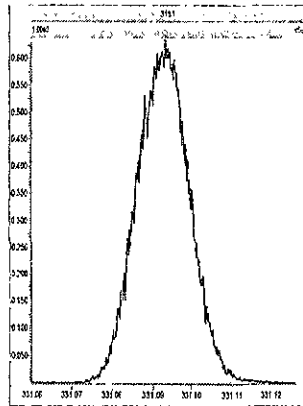
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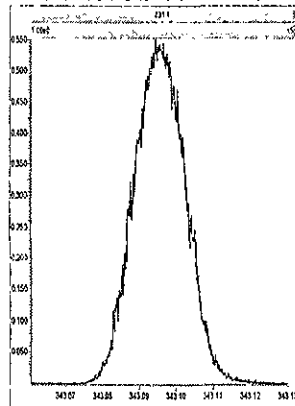
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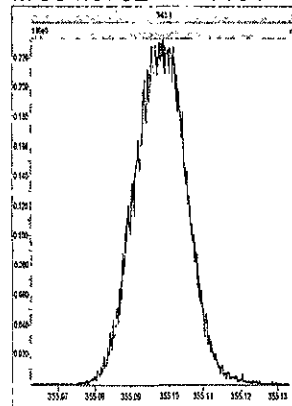
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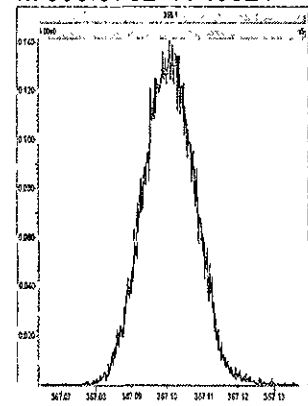
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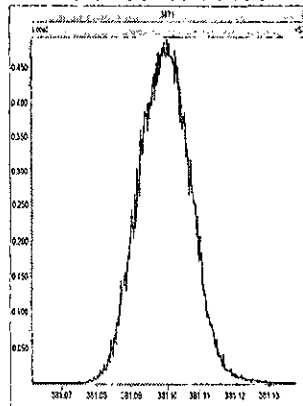
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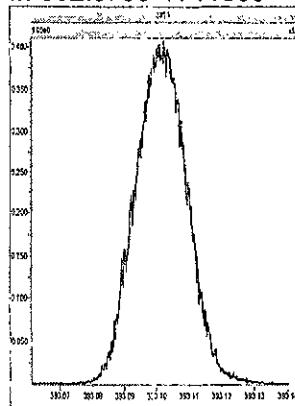
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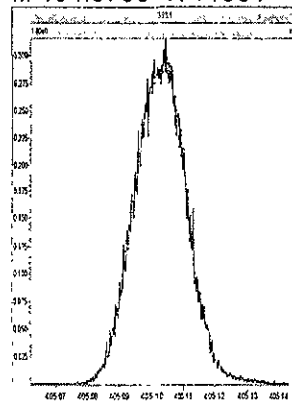
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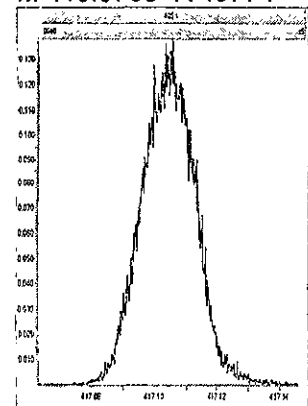
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M 404.9760 R 11061



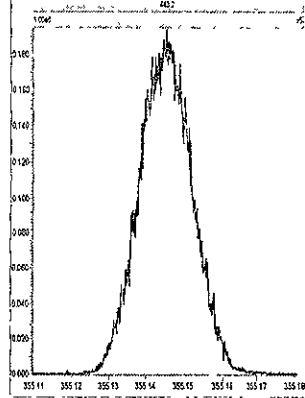
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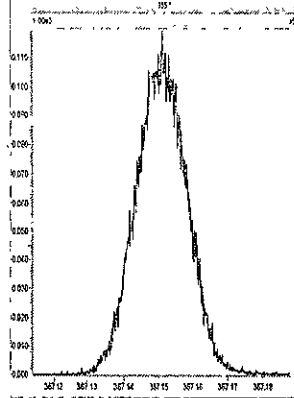
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Printed: Monday, November 02, 2009 08:08:08 Pacific Standard Time

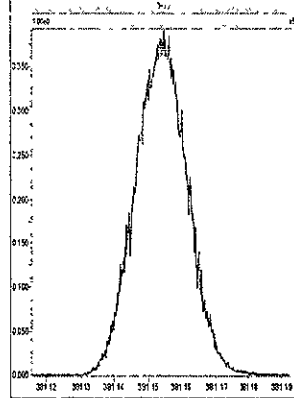
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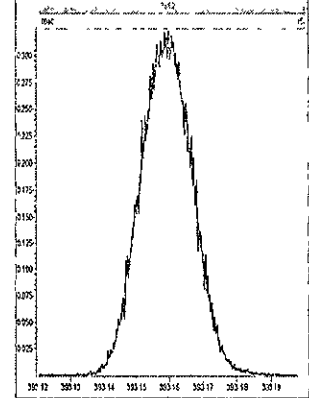
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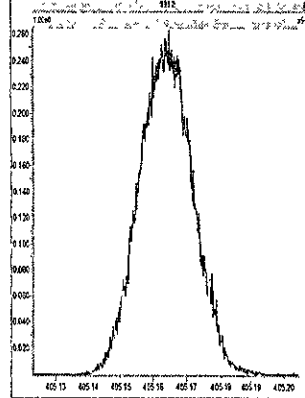
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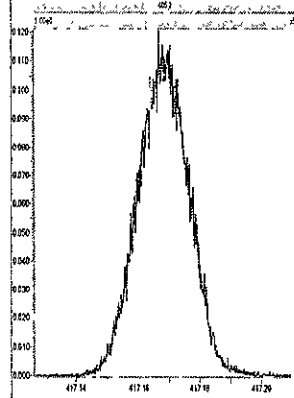
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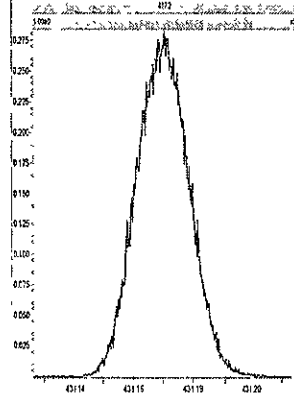
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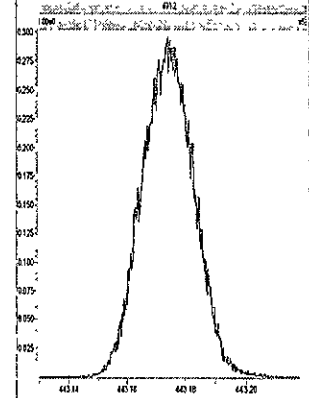
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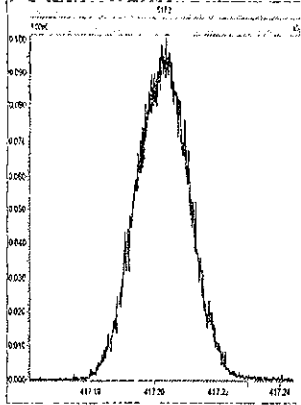
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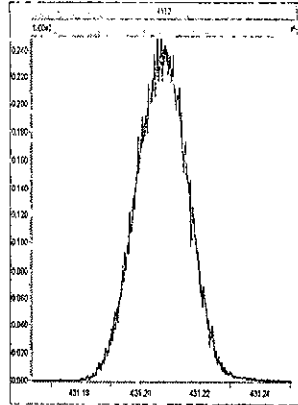
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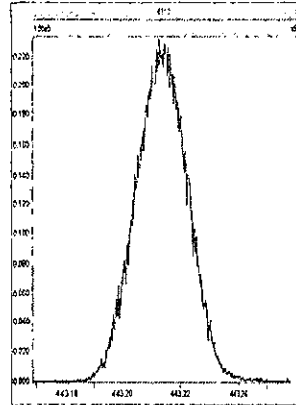
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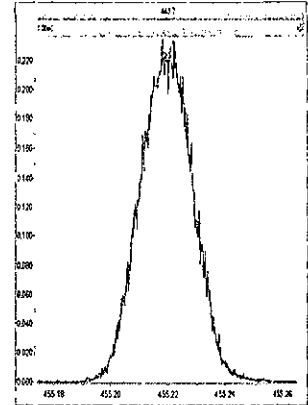
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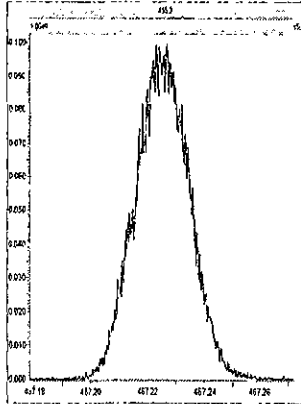
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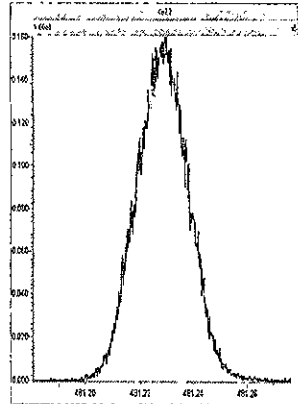
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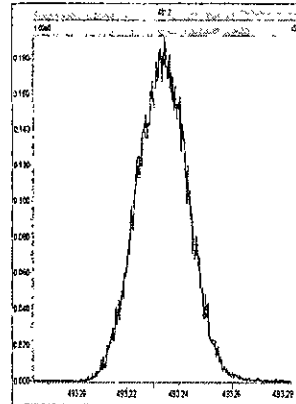
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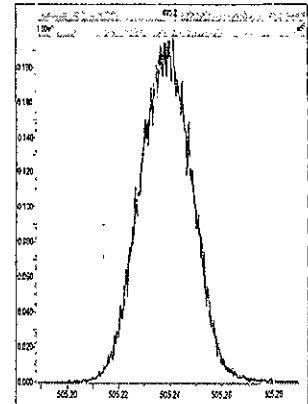
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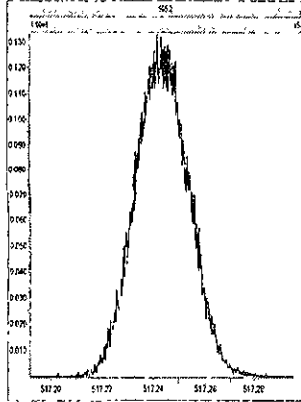
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M 504.9696 R 10965



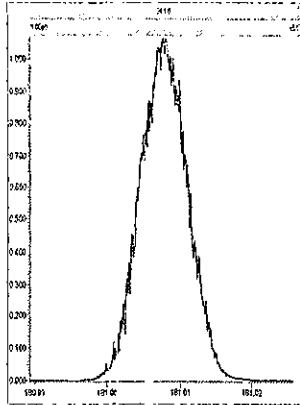
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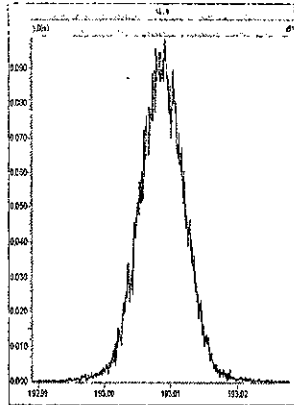
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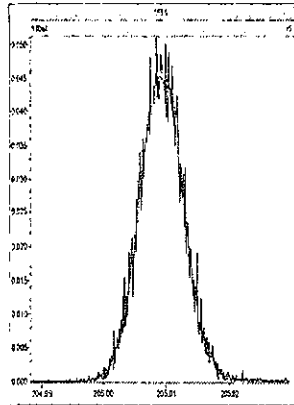
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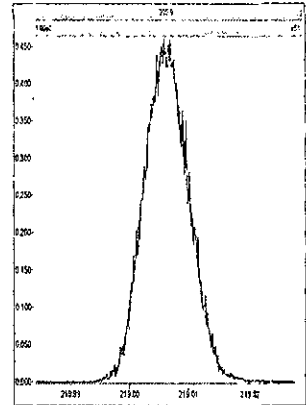
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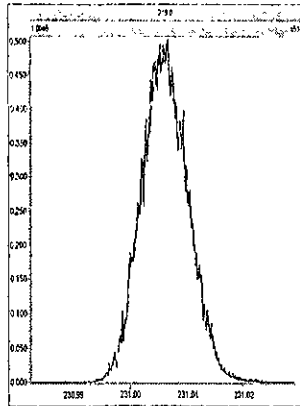
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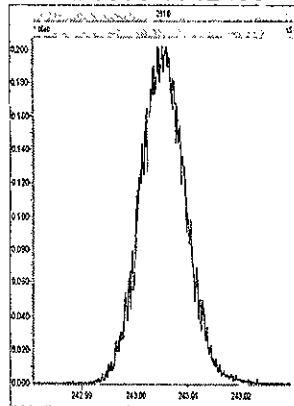
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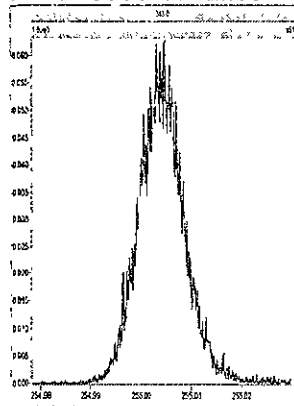
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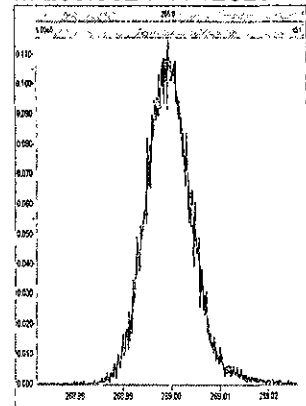
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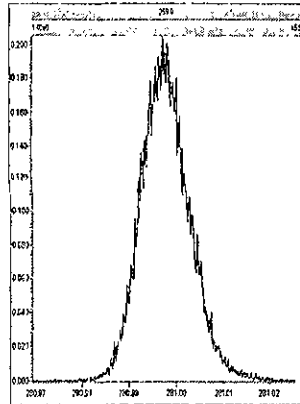
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M 268.9824 R 12625



M 280.9824 R 11851

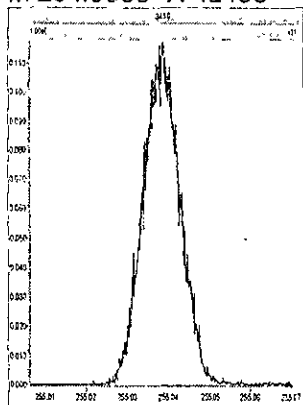




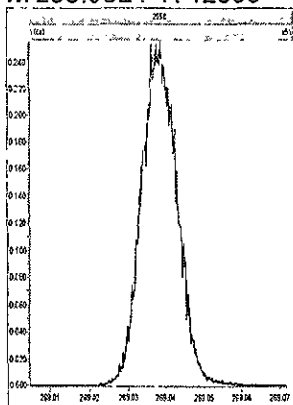
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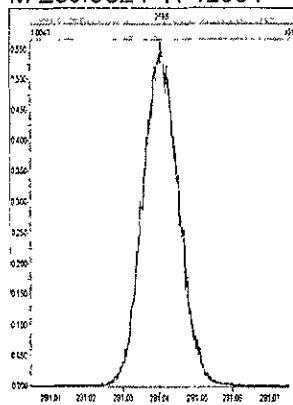
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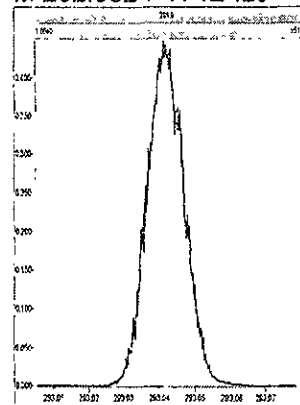
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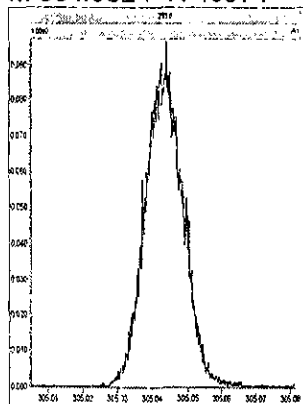
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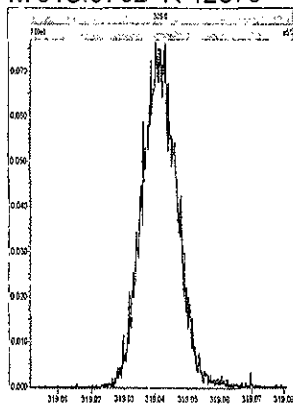
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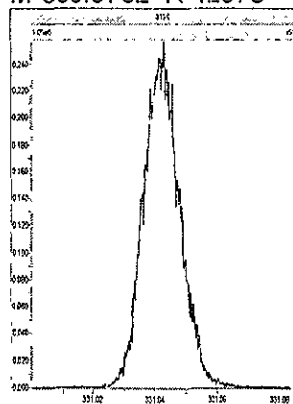
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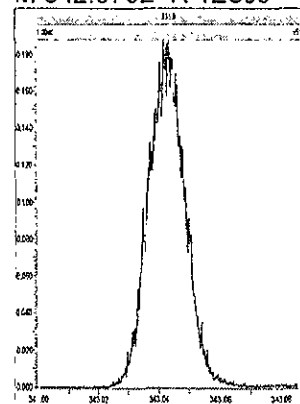
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M 330.9792 R 12578



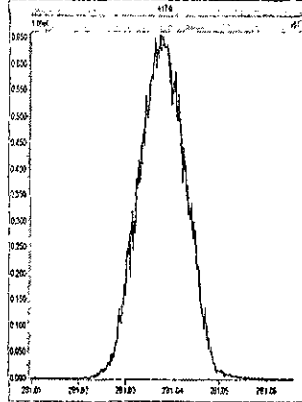
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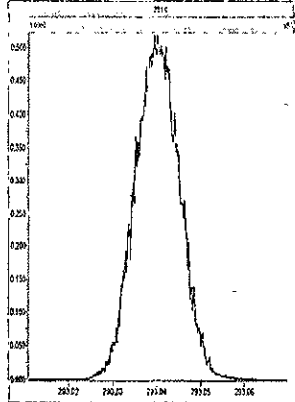
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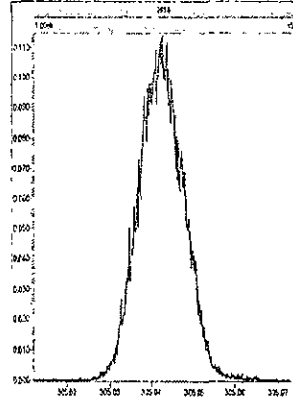
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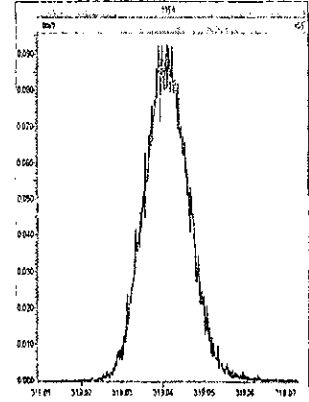
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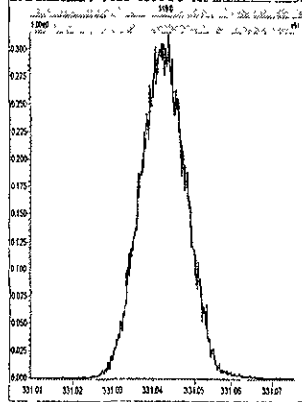
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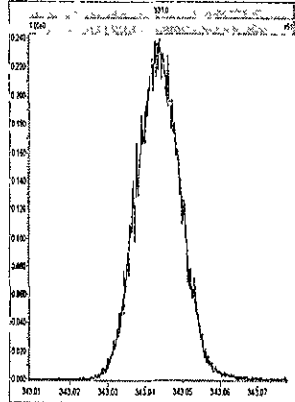
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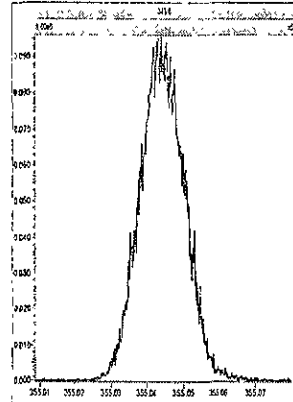
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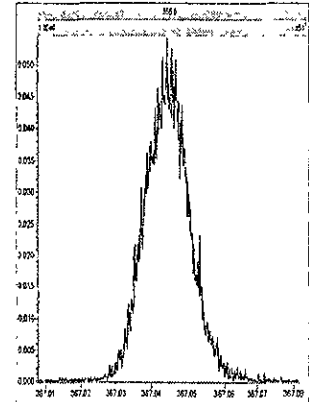
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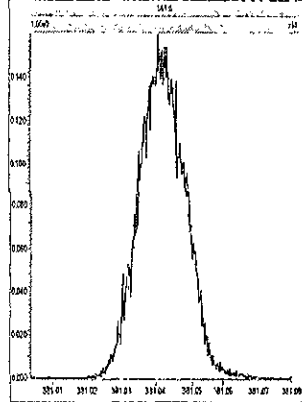
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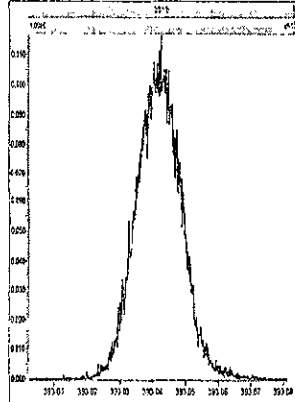
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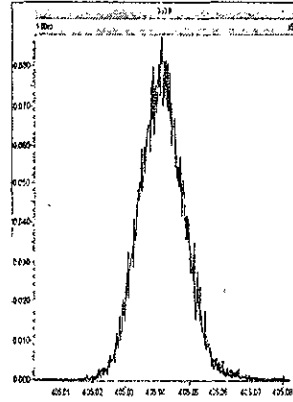
M 380.9760 R 12500



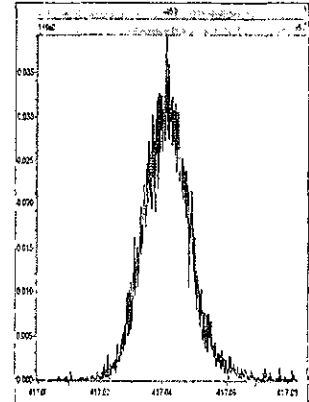
M 392.9760 R 12314



M 404.9760 R 12440



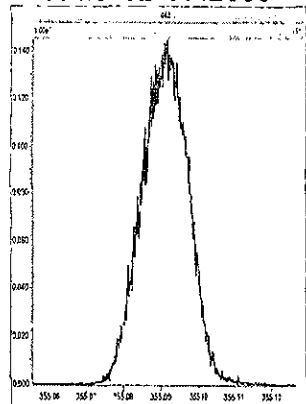
M 416.9760 R 13298



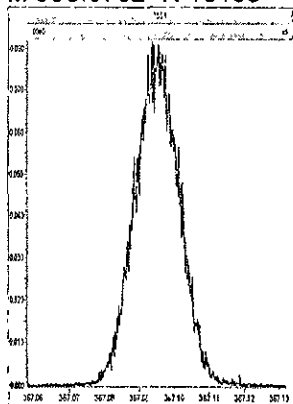
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, November 02, 2009 15:46:11 Pacific Standard Time

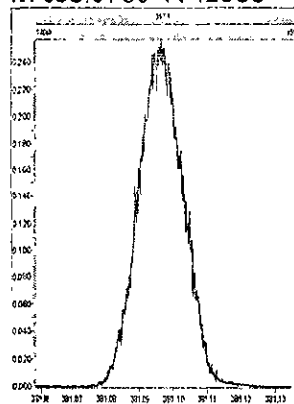
M 354.9792 R 12563



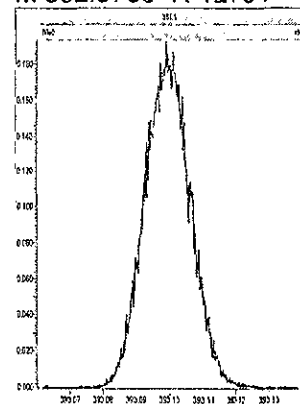
M 366.9792 R 13156



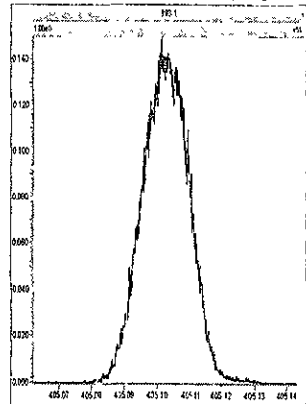
M 380.9760 R 12956



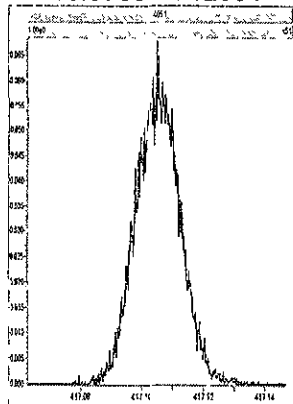
M 392.9760 R 12751



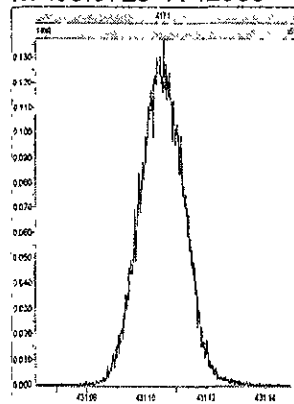
M 404.9760 R 12819



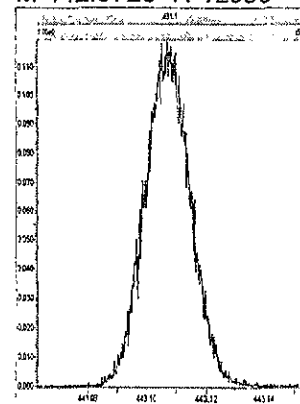
M 416.9760 R 12884



M 430.9728 R 12559



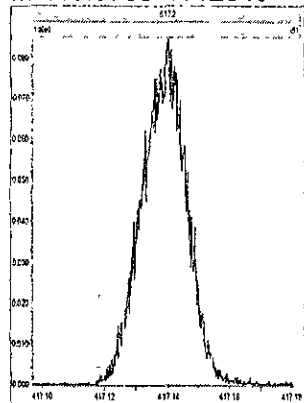
M 442.9728 R 12886



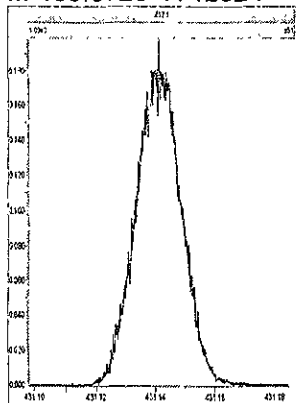
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, November 02, 2009 15:47:07 Pacific Standard Time

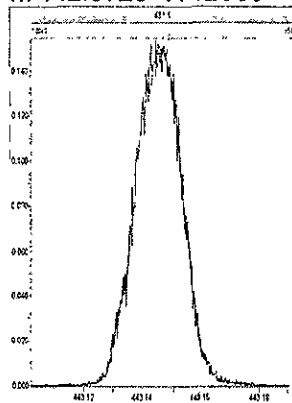
M 416.9760 R 12819



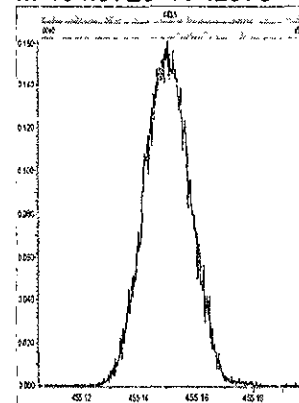
M 430.9728 R 12624



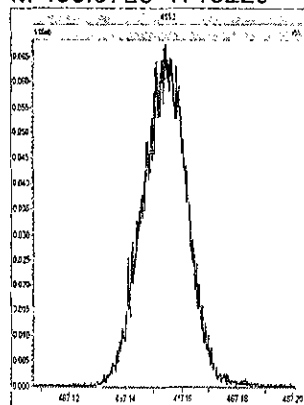
M 442.9728 R 12500



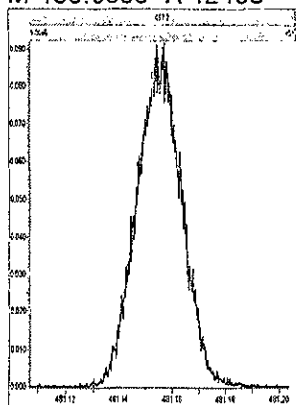
M 454.9728 R 12375



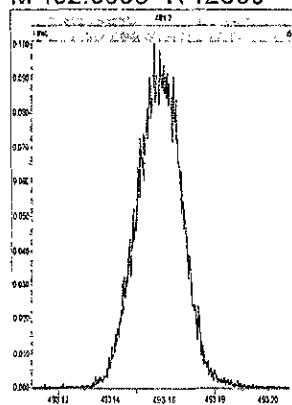
M 466.9728 R 13229



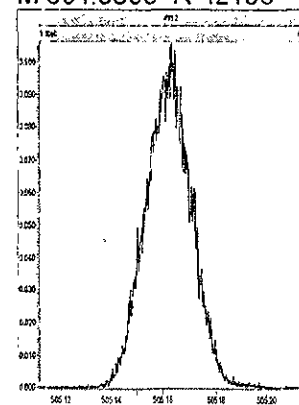
M 480.9696 R 12438



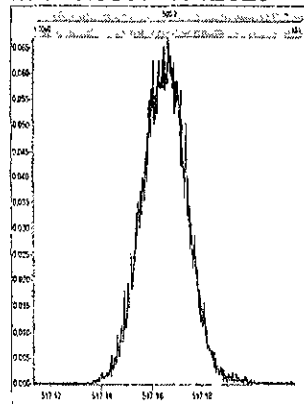
M 492.9696 R 12690



M 504.9696 R 12193



M 516.9697 R 12623



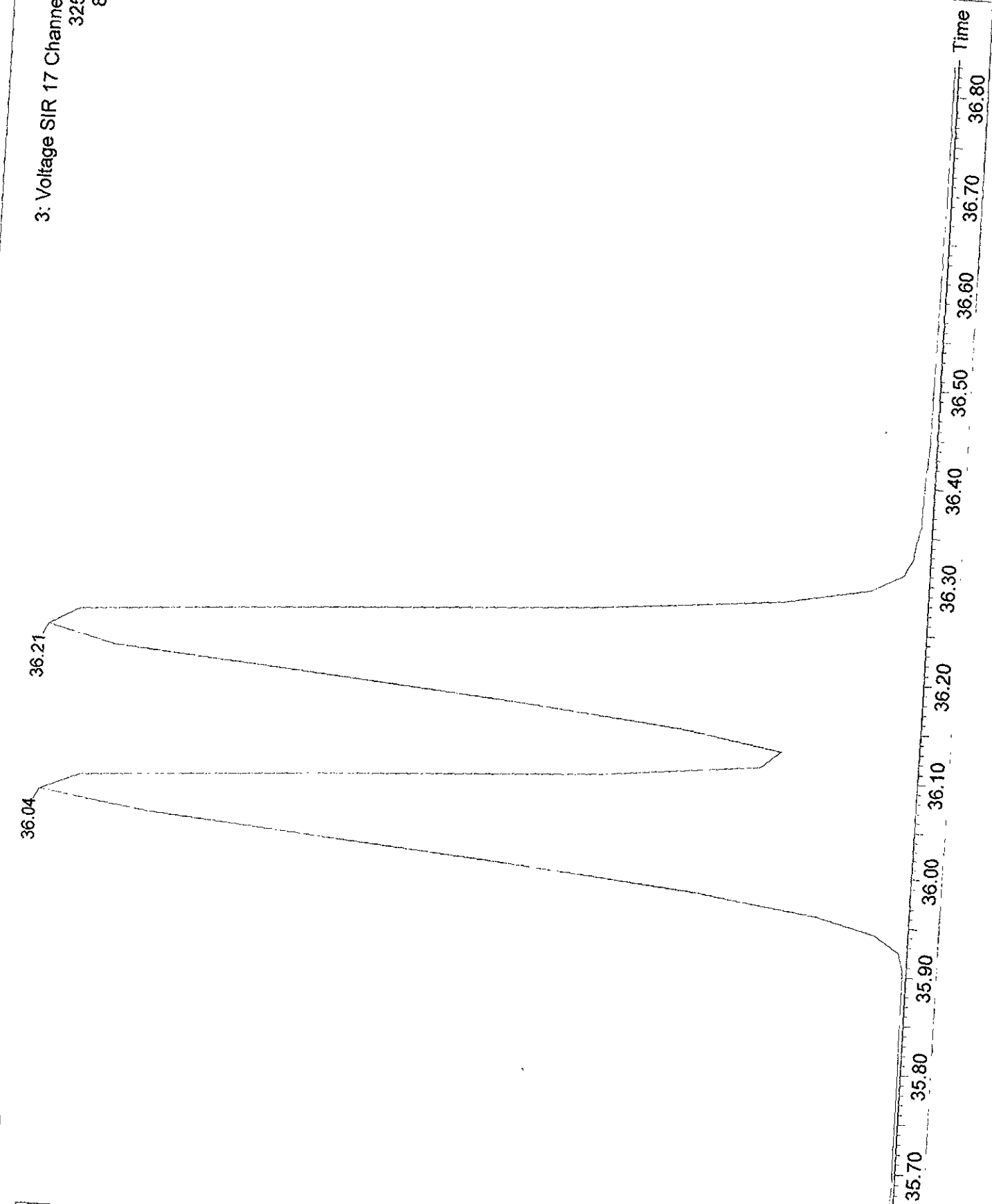
CS-3 09DXN207  
02NO0910D5\_1

3: Voltage SIR 17 Channels EI+  
325.8804  
8.03e6

100

%

0



Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 07:10:38 Pacific Standard Time

Printed: Tuesday, November 03, 2009 07:15:57 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 02 Nov 2009 06:49:13

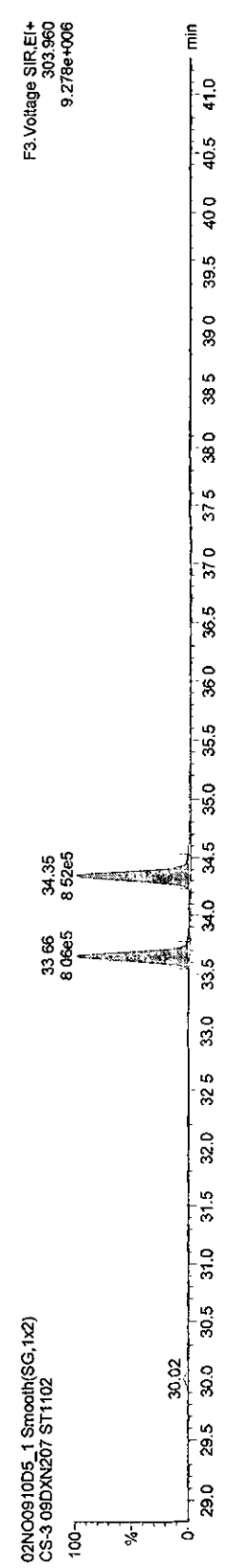
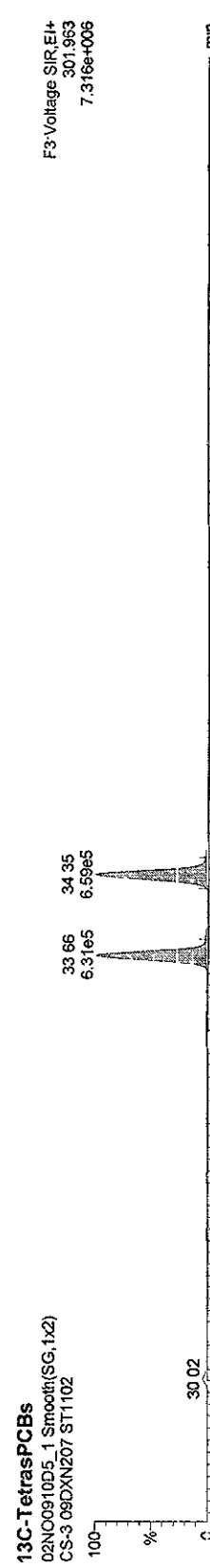
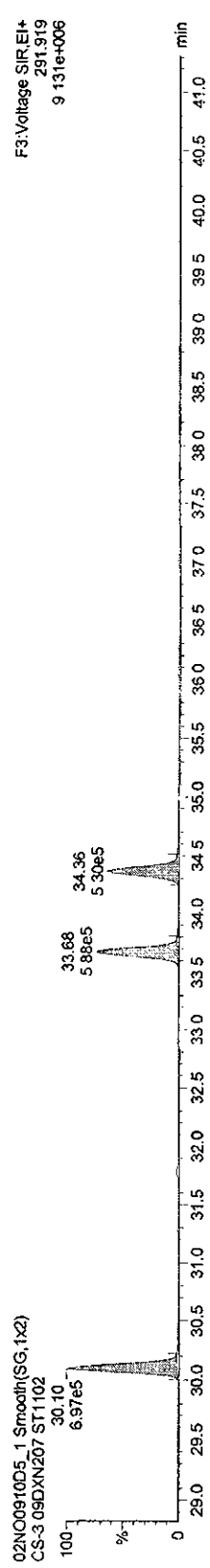
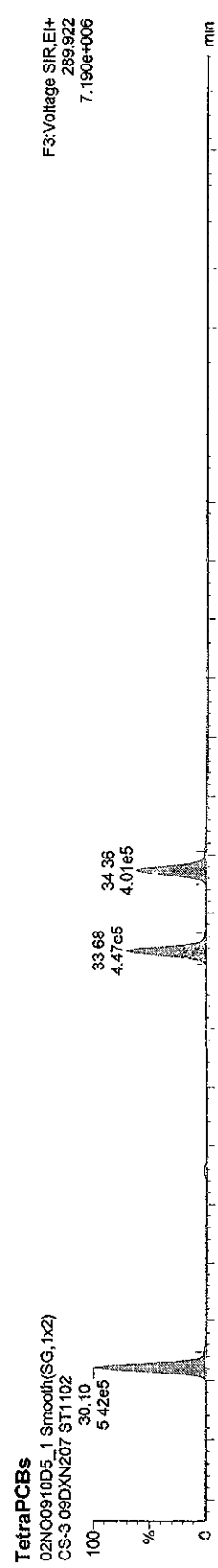
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

Quantify Sample Report MassLynx 4.1

Dataset: C:\masslynx\Default.pro\02NO0910D51668MSL.qld  
Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:48:45 PM Pacific Standard Time

Method: C:\MassLynx\Default.Pro\MethDB\1668MSL10DB5.mdb 02 Nov 2009 06:49:13  
Calibration: C:\MassLynx\Default.Pro\CurveDB\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46  
Name: 02NO0910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST1102, Description: CS-3 09DXN207



Quantify Sample Report MassLynx 4.1

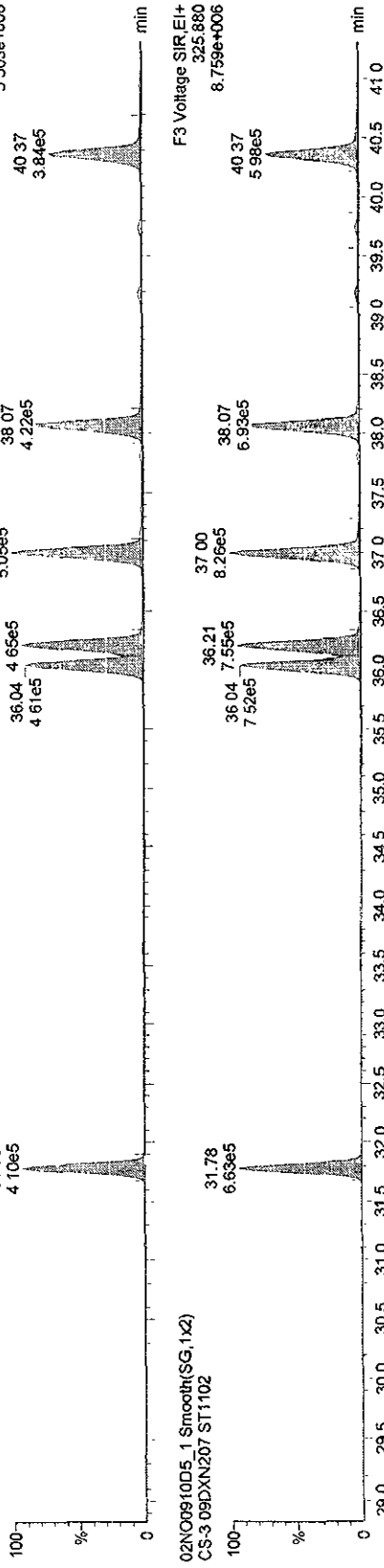
Dataset: C:\MassLynx\Default.pro\02NO0910D5\1668MSL.qid

Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:48:45 PM Pacific Standard Time

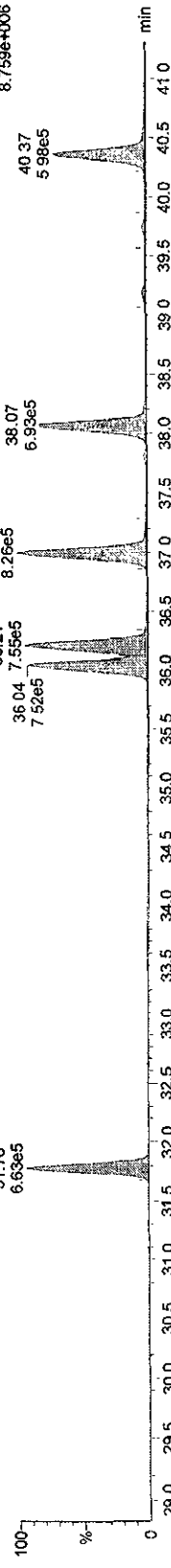
Name: 02NO0910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST1102, Description: CS-3 09DXN207

PePCBs

02NO0910D5\_1 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102

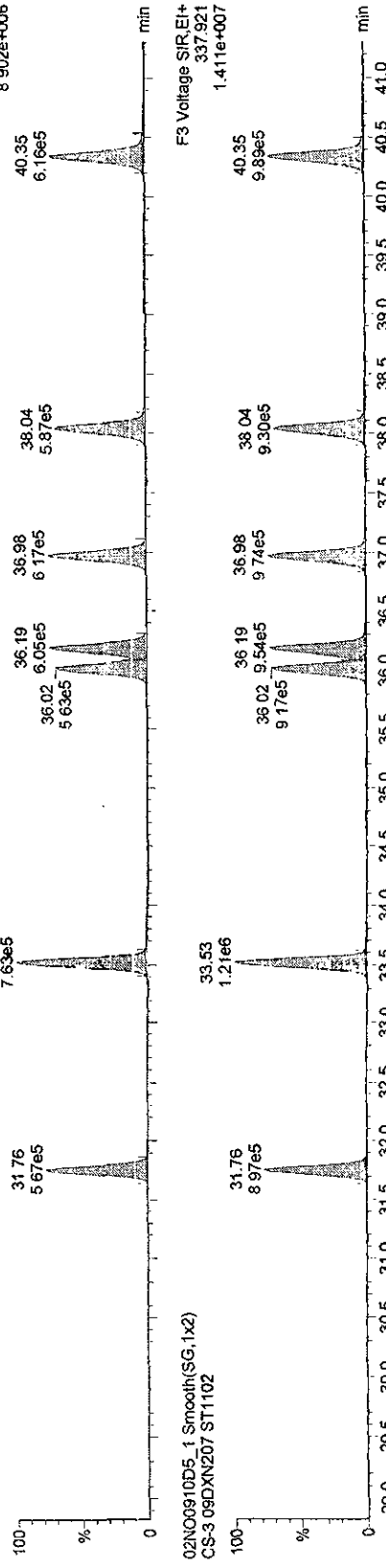


02NO0910D5\_1 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102

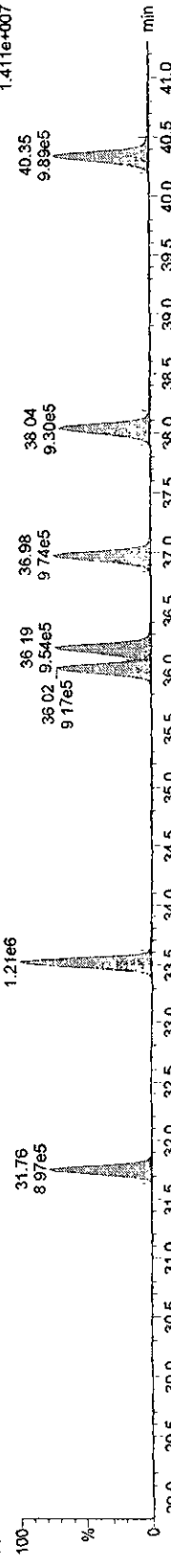


13C-PePCBs

02NO0910D5\_1 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102



02NO0910D5\_1 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102



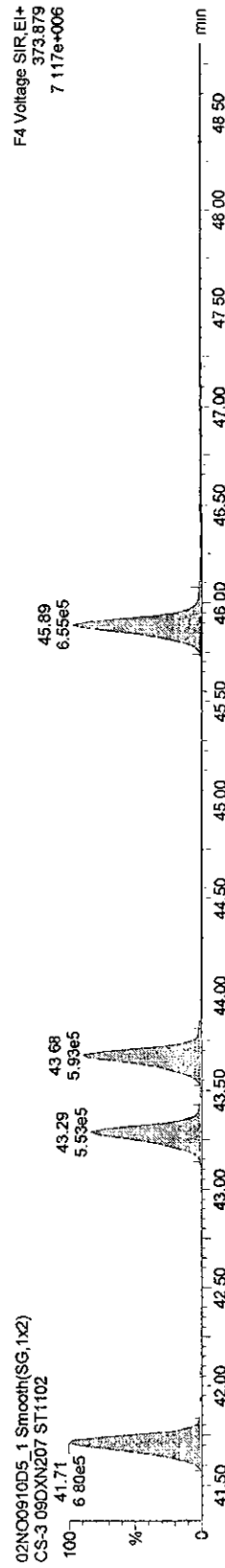
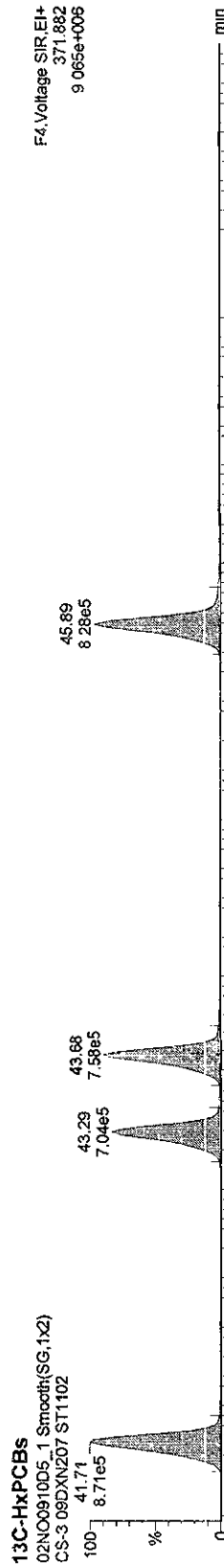
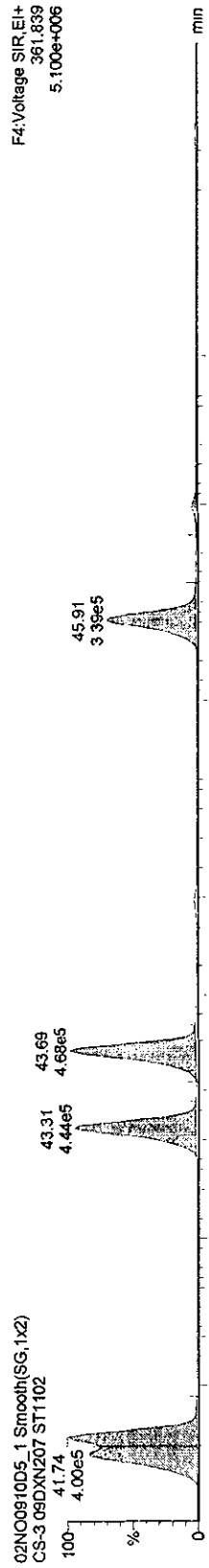
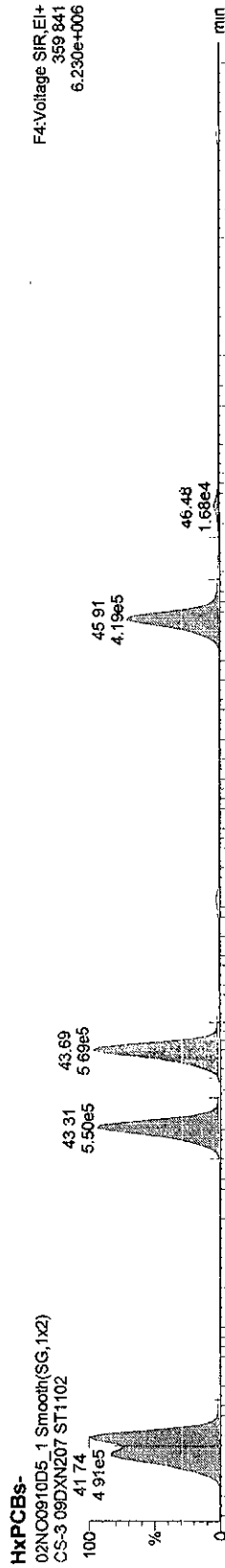


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:48:45 PM Pacific Standard Time

Name: 02NO0910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST1102, Description: CS-3 09DXN207



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\02NO0910D5\1668MSL.qid

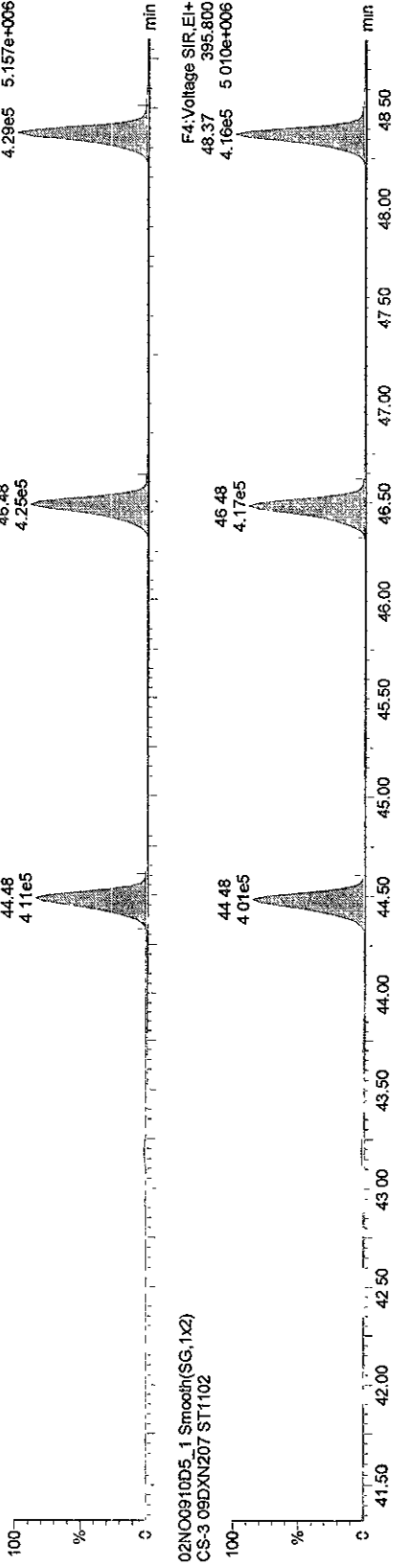
Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time

Printed: Monday, November 02, 2009 2:48:45 PM Pacific Standard Time

Name: 02NO0910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST1102, Description: CS-3 09DXN207

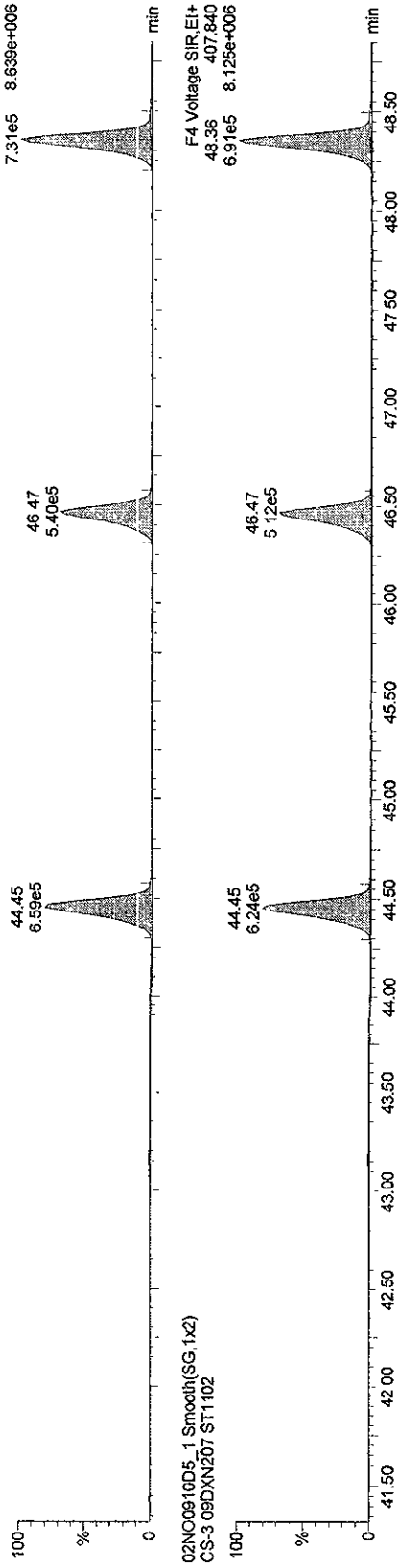
HpPCBs

02NO0910D5\_1 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102



13C-HpPCBs

02NO0910D5\_1 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102

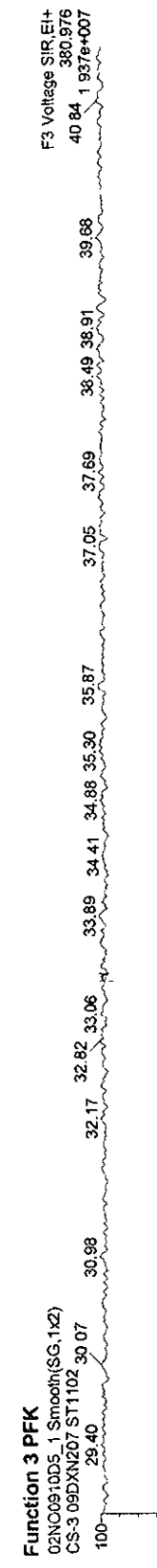
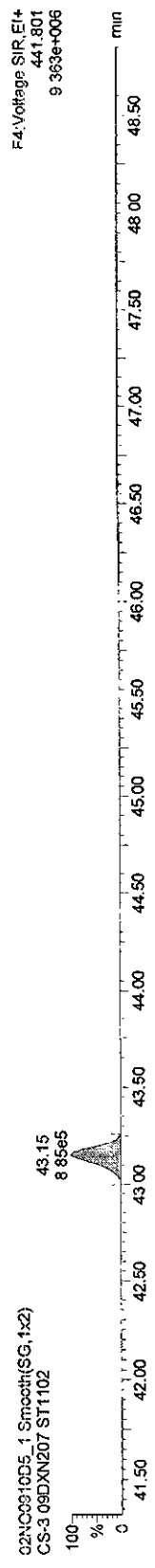
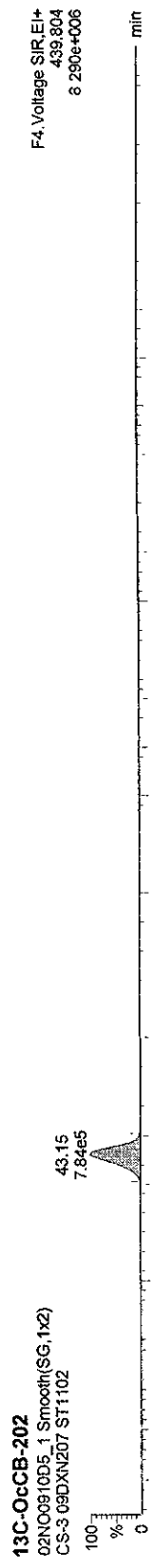


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro102NO0910D51668MSL.qid

Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:48:45 PM Pacific Standard Time

Name: 02NO0910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST1102, Description: CS-3 09DXN207



Quantify Sample Report MassLynx 4.1

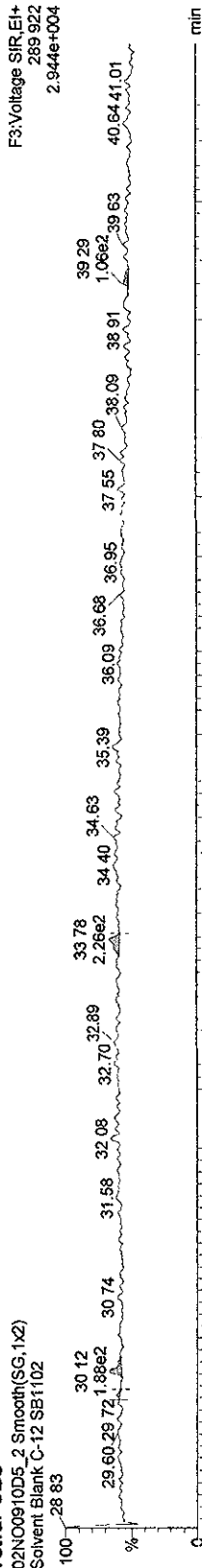
Dataset: C:\MassLynx\Default\pro\02NO0910D5\1668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

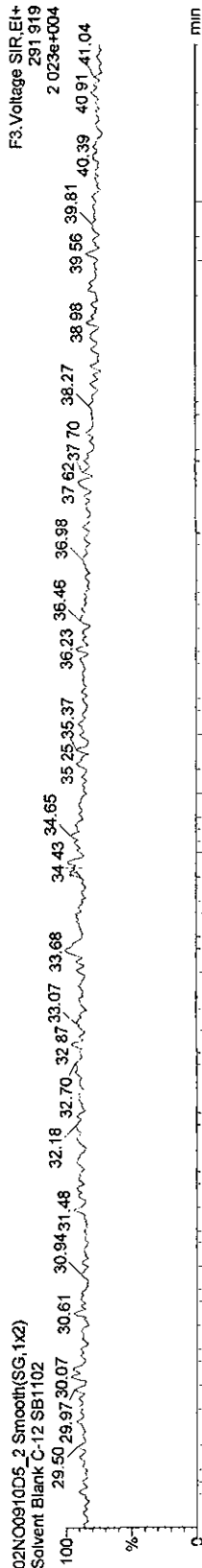
Name: 02NO0910D5\_2, Date: 02-Nov-2009, Time: 09:10:28, ID: SB1102, Description: Solvent Blank C-12

TetraPCBs

02NO0910D5\_2 Smooth(SG,1x2)  
Solvent Blank C-12 SB1102

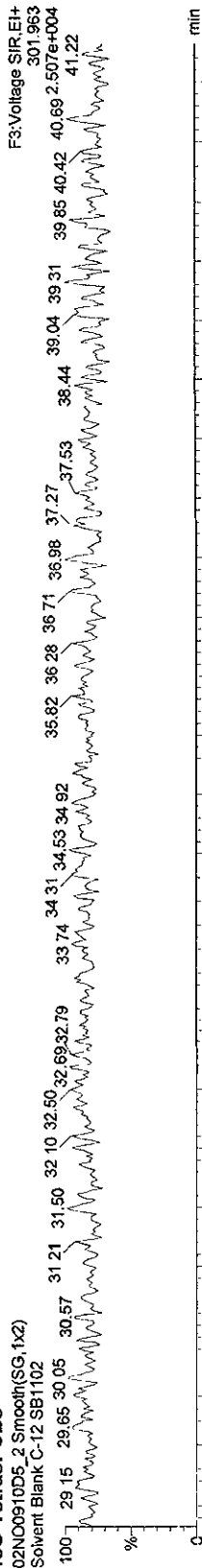


02NO0910D5\_2 Smooth(SG,1x2)  
Solvent Blank C-12 SB1102

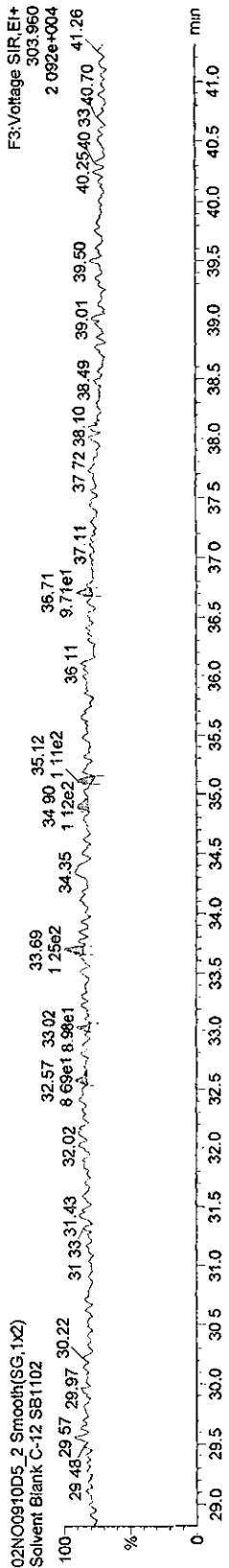


13C-TetrasPCBs

02NO0910D5\_2 Smooth(SG,1x2)  
Solvent Blank C-12 SB1102



02NO0910D5\_2 Smooth(SG,1x2)  
Solvent Blank C-12 SB1102



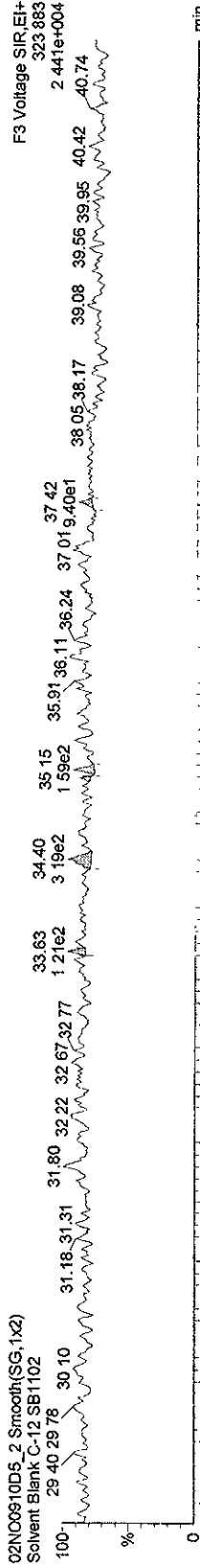
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prol02NO0910D51668MSL.qld

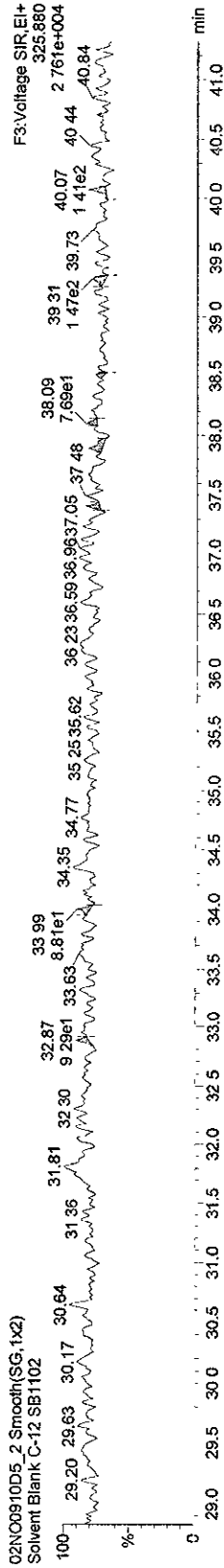
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_2, Date: 02-Nov-2009, Time: 09:10:28, ID: SB1102, Description: Solvent Blank C-12

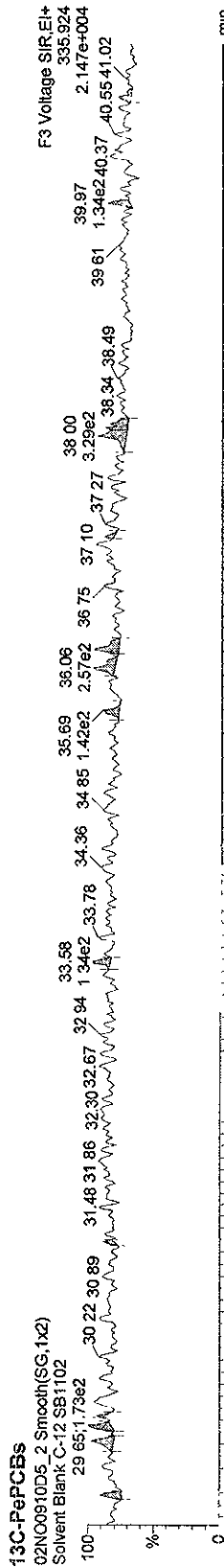
PePCBs



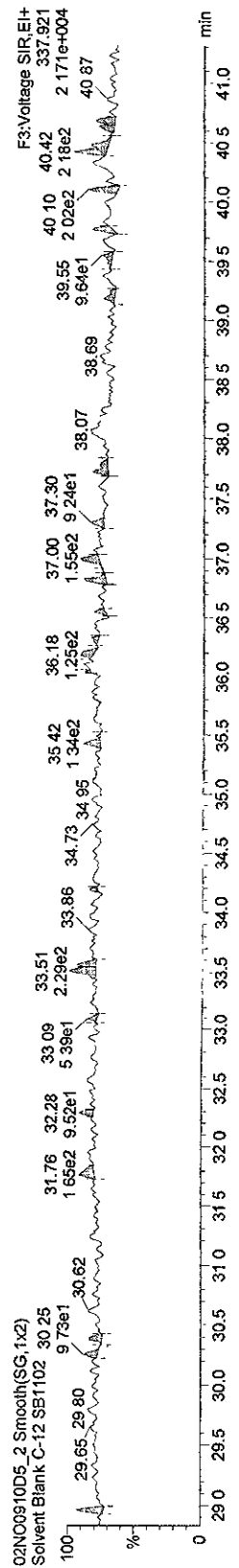
13C-PCBs



13C-PCBs



13C-PCBs

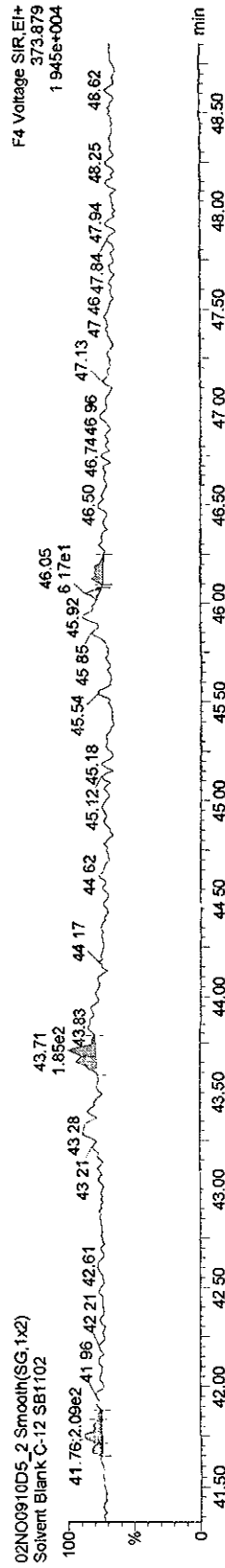
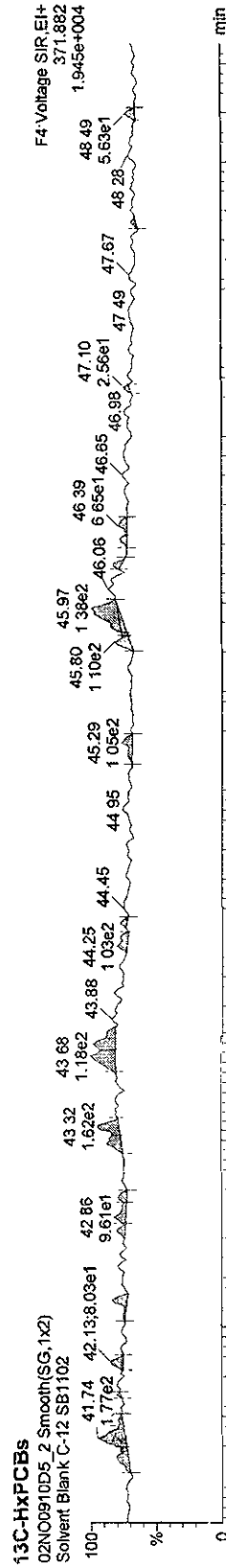
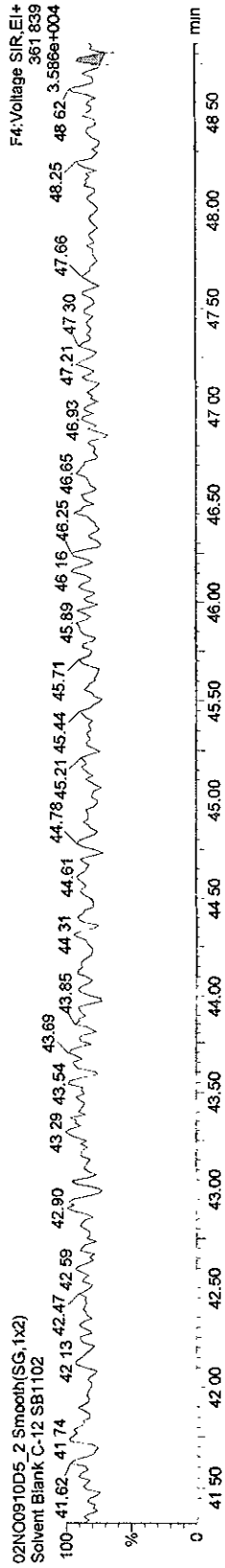
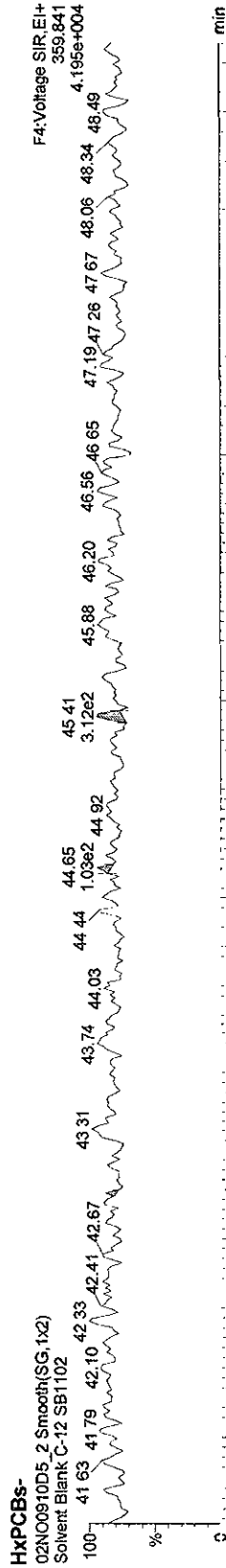


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_2, Date: 02-Nov-2009, Time: 09:10:28, ID: SB1102, Description: Solvent Blank C-12



Quantify Sample Report

MassLynx 4.1

Dataset: C:\masslynx\Default\pro\02NO0910D51668MSL.qld

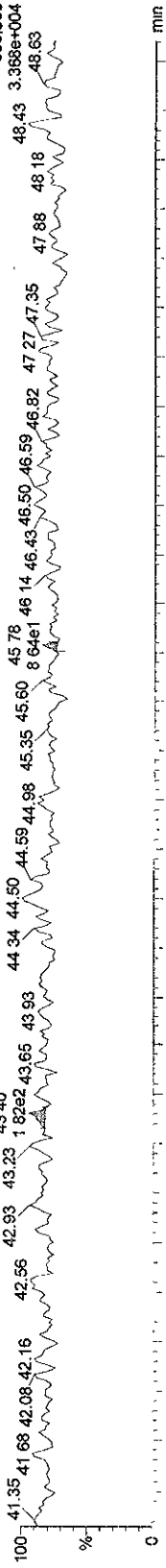
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_2, Date: 02-Nov-2009, Time: 09:10:28, ID: SB1102, Description: Solvent Blank C-12

HpPCBs

02NO0910D5\_2 Smooth(SG,1x2)

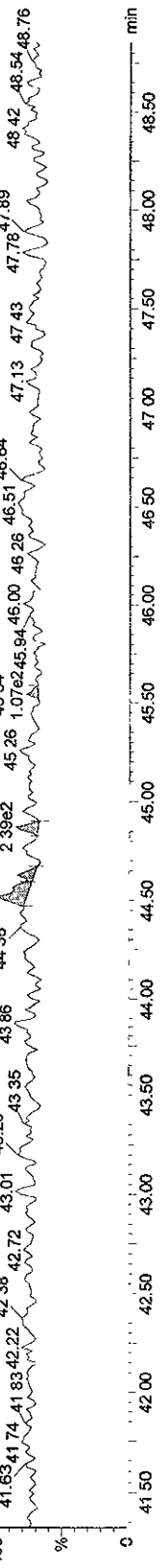
Solvent Blank C-12 SB1102



13C-HpPCBs

02NO0910D5\_2 Smooth(SG,1x2)

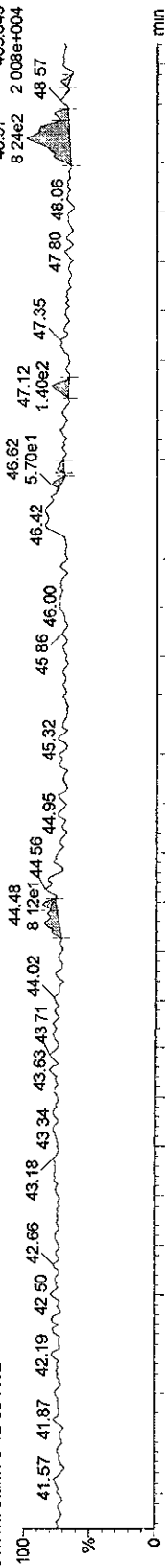
Solvent Blank C-12 SB1102



13C-HpPCBs

02NO0910D5\_2 Smooth(SG,1x2)

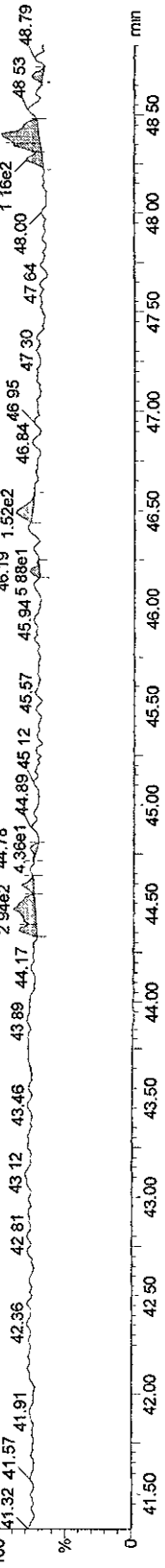
Solvent Blank C-12 SB1102



13C-HpPCBs

02NO0910D5\_2 Smooth(SG,1x2)

Solvent Blank C-12 SB1102



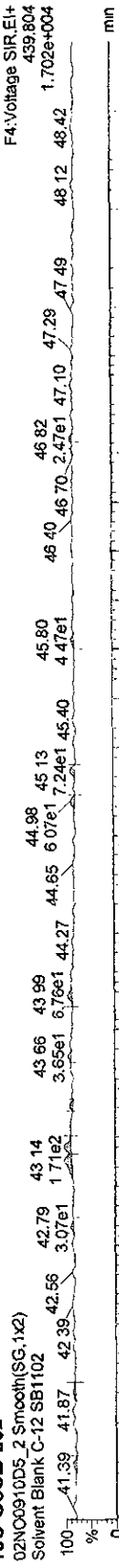
Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

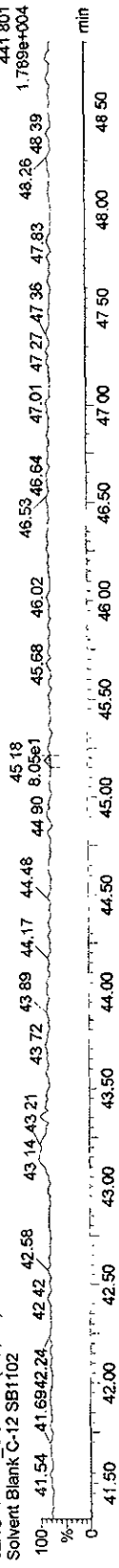
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_2, Date: 02-Nov-2009, Time: 09:10:28, ID: SB1102, Description: Solvent Blank C-12

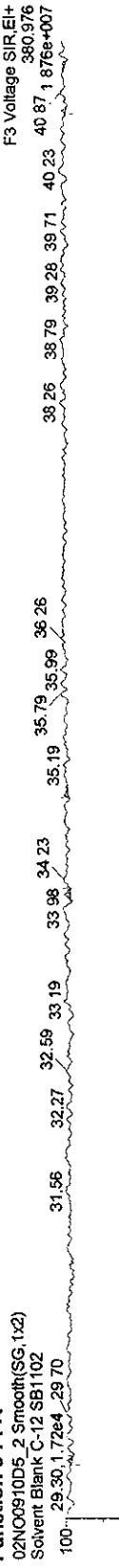
13C-OcCB-202



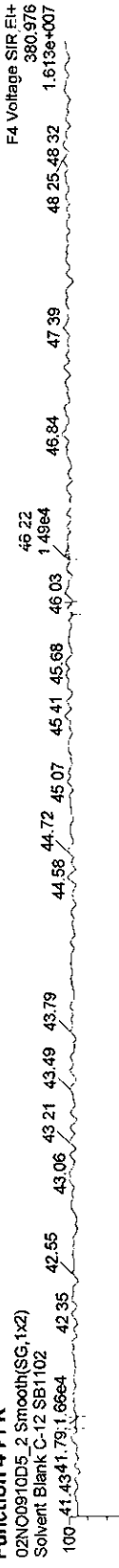
02NO0910D5\_2 Smooth(SG,1x2)



Function 3 PFK



Function 4 PFK





Daily Calibration Checklist  
 Methods 1668 and 1614

Method ID 1668M  
 Column ID DB-5  
 STD ID ST 1162 B  
 Analyzed by SMA  
 Std. Pkg. By SMA  
 Std. Pkg. Reviewed By KSS

Associated ICAL ICA071620091668MSL  
 Instrument ID 10DS  
 STD Solution 09DXN267  
 Date Analyzed 11-02-09  
 Date Std. Pkg. Assembled 11-03-09  
 Date Std. Pkg. Reviewed 11/3/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.  
 Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
 Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Dataset: C:\MassLynx\Default.pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

Printed: Tuesday, November 03, 2009 06:56:30 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 02 Nov 2009 06:49:13

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 02NO09A10D5\_2, Date: 02-Nov-2009, Time: 17:02:23, ID: ST1102B, Description: CS-3 09DXN207

#	Name	Response	RT	RRF M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D
1	13C-PeCB-101	906891	31.80	1.00000	1.00000	100.00	0.0	100.0	0.636	NO	
2											
3	13C-TeCB-81	1029175	33.69	1.03984	1.13484	109.14	9.1	109.1	0.796	NO	
4	TeCB-81	823049	33.71	1.45839	1.59943	54.84	9.7	109.7	0.775	NO	
5	13C-TeCB-77	1062043	34.38	1.10430	1.17108	106.05	6.0	106.0	0.798	NO	
6	TeCB-77	734327	34.40	1.27061	1.38286	54.42	8.8	108.8	0.771	NO	
7											
8	13C-PeCB-123	860669	36.06	0.99324	0.94903	95.55	-4.5	95.5	0.623	NO	
9	PeCB-123	704098	36.08	1.50539	1.63616	54.34	8.7	108.7	0.613	NO	
10	13C-PeCB-118	873409	36.23	1.02407	0.96308	94.04	-6.0	94.0	0.629	NO	
11	PeCB-118/106	704268	36.24	1.52536	1.61269	52.86	5.7	105.7	0.612	NO	
12	13C-PeCB-114	875906	37.01	1.03691	0.96583	93.15	-6.9	93.1	0.625	NO	
13	PeCB-114	737231	37.03	1.58603	1.68336	53.07	6.1	106.1	0.619	NO	
14	13C-PeCB-105	758060	38.07	0.98151	0.83589	85.16	-14.8	85.2	0.641	NO	
15	PeCB-105/127	579474	38.09	1.43326	1.52883	53.33	6.7	106.7	0.610	NO	
16	13C-PeCB-126	1079662	40.37	1.02999	1.19051	115.58	15.6	115.6	0.628	NO	
17	PeCB-126	662292	40.40	1.15532	1.22685	53.07	6.1	106.1	0.615	NO	
18											
19	13C-OcCB-202	1107166	43.18	1.00000	1.00000	100.00	0.0	100.0	0.899	NO	
20											
21	13C-HxCB-167	1231976	41.74	1.00247	1.11273	111.00	11.0	111.0	1.291	NO	
22	HxCB-167	905030	41.77	1.34796	1.46923	54.50	9.0	109.0	1.263	NO	
23	13C-HxCB-156	1010201	43.32	0.78510	0.91242	116.22	16.2	116.2	1.297	NO	
24	HxCB-156	877542	43.34	1.68840	1.73736	51.45	2.9	102.9	1.253	NO	
25	13C-HxCB-157	1081671	43.71	0.83526	0.97697	116.97	17.0	117.0	1.275	NO	
26	HxCB-157	907452	43.72	1.65965	1.67787	50.55	1.1	101.1	1.260	NO	
27	13C-HxCB-169	1223146	45.92	0.87128	1.10475	126.80	26.8	126.8	1.262	NO	
28	HxCB-169	677922	45.94	1.09832	1.10849	50.46	0.9	100.9	1.252	NO	
29											
30	13C-HpCB-180	880820	44.48	0.68403	0.79556	116.31	16.3	116.3	1.053	NO	
31	HpCB-180	571913	44.51	1.30035	1.29859	49.93	-0.1	99.9	1.018	NO	
32	13C-HpCB-170	724229	46.50	0.54773	0.65413	119.42	19.4	119.4	1.052	NO	
33	HpCB-170	603582	46.51	1.61501	1.66683	51.60	3.2	103.2	1.033	NO	
34	13C-HpCB-189	998302	48.37	0.69767	0.90167	129.24	29.2	129.2	1.045	NO	
35	HpCB-189	615761	48.40	1.23073	1.23362	50.12	0.2	100.2	1.033	NO	
36											
37	13C-PeCB-111	1251374	33.56	1.30475	1.40676	107.82	7.8	107.8	0.622	NO	
38											
39	Function 3 PFK										
40	Function 4 PFK										

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\02NO09A10D5.SPL  
 Last Modified: Monday, November 02, 2009 15:57:18 Pacific Standard Time  
 Printed: Monday, November 02, 2009 17:03:35 Pacific Standard Time

Page 1 of 3

Page Position (1, 1)

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1 O2NO09A10D5_1	CS-3 09DXN207	ST1102A	lock mass dip		1.000000	---	---
2 O2NO09A10D5_2	CS-3 09DXN207	ST1102B	---		1.000000	---	---
3 O2NO09A10D5_3	Solvent Blank C-12	SB1102A	---	---	1.000000	---	---
4 O2NO09A10D5_4	G9I290159-6 RI	LLM8X-1-AC	1668/Solid	5	5.000000	g	50
5 O2NO09A10D5_5	G9J280227-6 RI	LNE02-1-AA	1668/Solid	5	5.850000	g	20
6 O2NO09A10D5_6	G9J280227-7 RI	LNE1C-1-AC	1668/Solid	---	10.570000	g	20
7 O2NO09A10D5_7	F9I250217-7	LLHGM-1-CC	1668/Solid	---	10.200000	g	20
8 O2NO09A10D5_8	F9I250217-7MS	LLHGM-1-FDS	1668/Solid	---	10.075000	g	20
9 O2NO09A10D5_9	F9I250217-7SD	LLHGM-1-FED	1668/Solid	---	10.130000	g	20
10 O2NO09A10D5_10	F9I250217-9	LLHGX-1-CC	1668/Solid	---	10.070000	g	20
11 O2NO09A10D5_11	G9I280142-1LCS	LML04-1-AC	1668/AIR	89	0.333300	Sample	10
12 O2NO09A10D5_12	G9I280142-1MB	LML04-1-AA	1668/AIR	---	0.333300	Sample	10
13 O2NO09A10D5_13	G9I280142-1	LLLXF-1-AD	1668/AIR	---	0.333300	Sample	10
14 O2NO09A10D5_14	G9J050195-1	LL15Q-1-AD	1668/AIR	89	0.333300	Sample	10
15 O2NO09A10D5_15	Solvent Blank C-12	SB1102B	---	---	1.000000	---	---
16 O2NO09A10D5_16	CS-3 09DXN207	ST1102C	---	---	1.000000	---	---
17 O2NO09A10D5_17	Solvent Blank C-12	SB1102C	---	---	1.000000	---	---
18 O2NO09A10D5_18	G9J300165-1MB	LNJ01-1-AA	1668/Waste	5	0.100000	g	20
19 O2NO09A10D5_19	G9J300165-1LCS	LNJ01-1-AC	1668/Waste	---	0.100000	g	20
20 O2NO09A10D5_20	G9J300165-1	LNJX5-1-AC	1668/Waste	---	0.101000	g	20
21 O2NO09A10D5_21	G9J300167-1	LNG0F-1-AC	1668/Waste	5	0.106000	g	20
22 O2NO09A10D5_22	G9J300167-2	LNG0H-1-AC	1668/Waste	---	0.104000	g	20
23 O2NO09A10D5_23	Solvent Blank C-12	SB1102D	---	---	1.000000	---	---

log file vid  
 1-16 ok  
 11/3/09 kss

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\02NO09A10D5.SPL  
Last Modified: Monday, November 02, 2009 16:57:18 Pacific Standard Time  
Printed: Monday, November 02, 2009 17:03:35 Pacific Standard Time

Page 2 of 3

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:2	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:3	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:4	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:5	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:6	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:7	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:8	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:10	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:11	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:12	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:13	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:14	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:16	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:17	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:18	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default pro\Sampledb\02NO09A10D5.SPL  
Last Modified: Monday, November 02, 2009 16:57:18 Pacific Standard Time  
Printed: Monday, November 02, 2009 17:03:35 Pacific Standard Time

Page 3 of 3

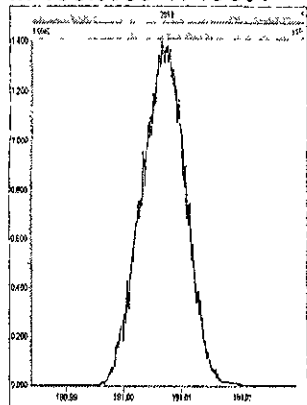
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Conc E	Conc F	Conc G	Conc H	Task
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100	---	---	---	---
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2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
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2000	---	---	---	---
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2000	---	---	---	---
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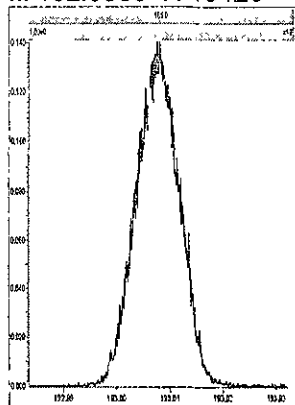
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Printed: Monday, November 02, 2009 15:54:20 Pacific Standard Time

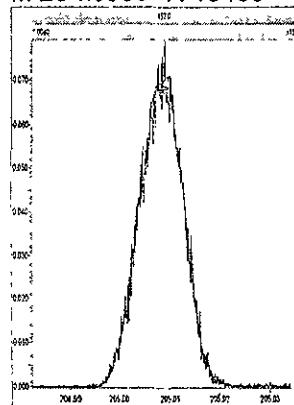
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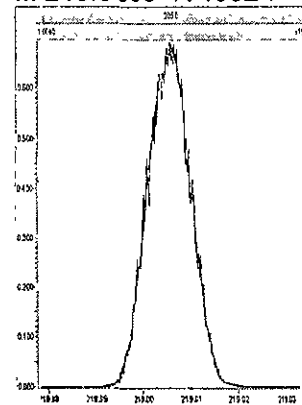
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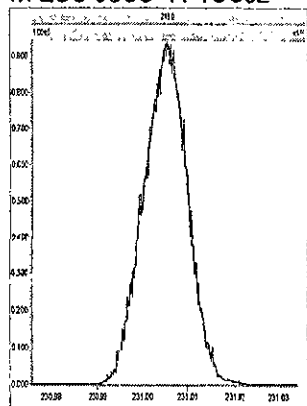
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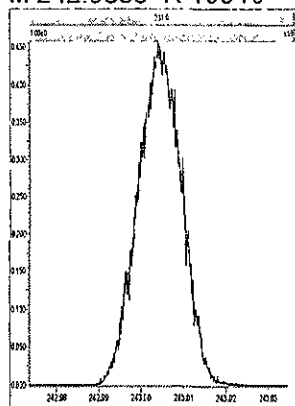
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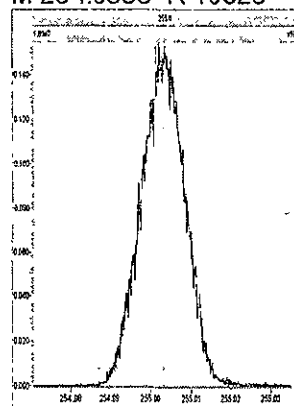
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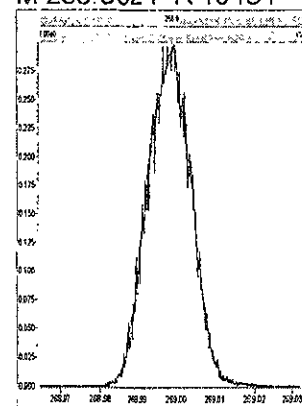
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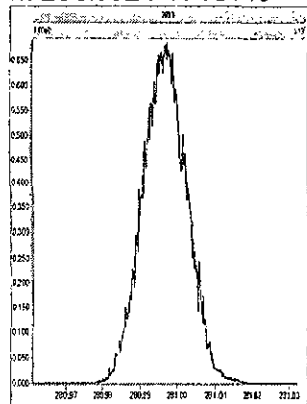
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M 268.9824 R 10481



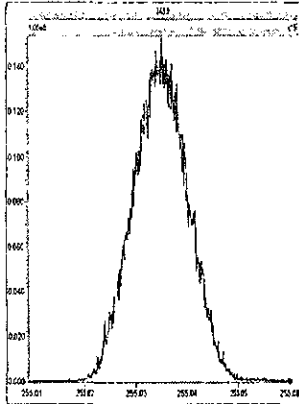
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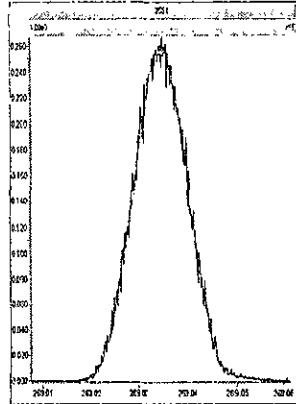
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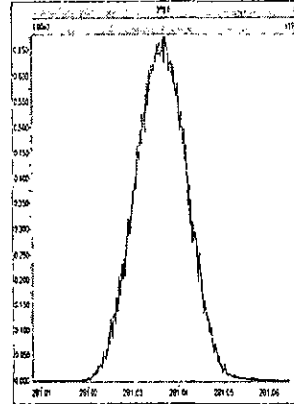
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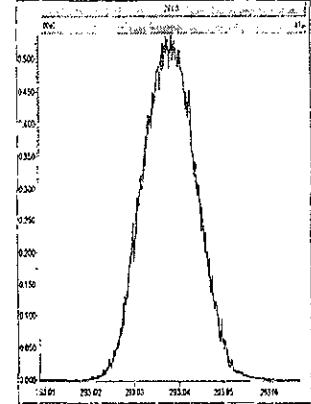
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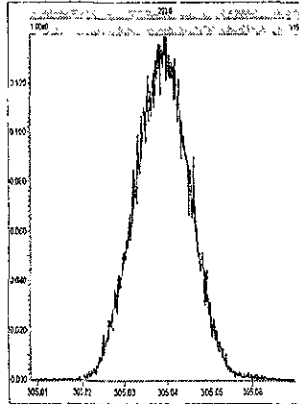
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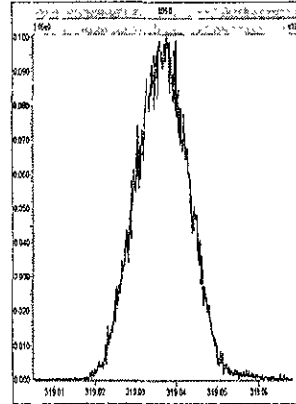
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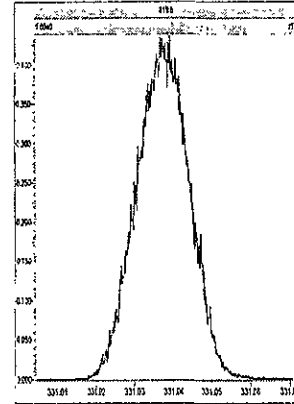
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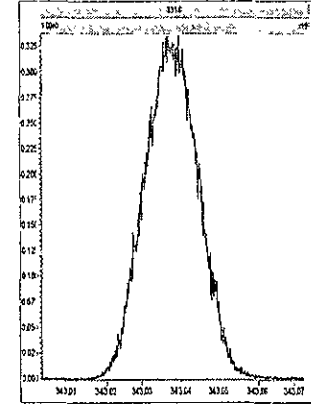
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M 330.9792 R 10819



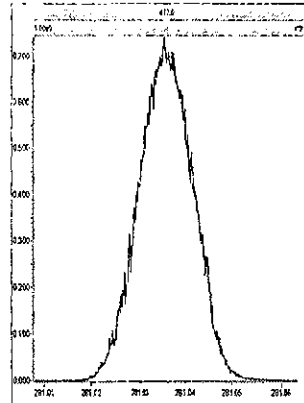
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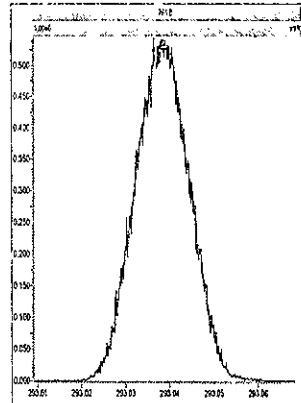
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Printed: Monday, November 02, 2009 15:56:28 Pacific Standard Time

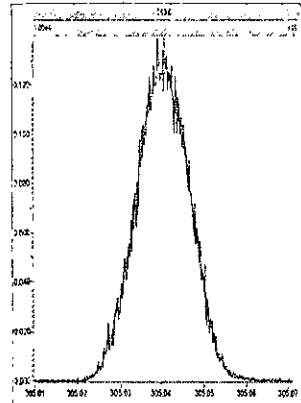
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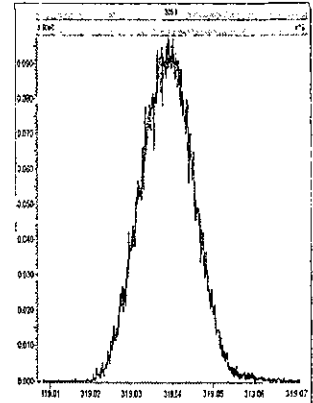
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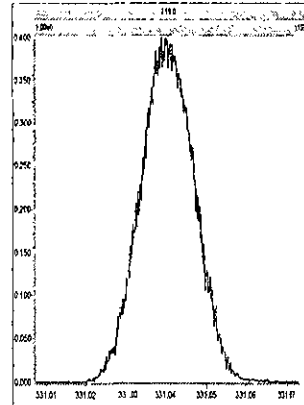
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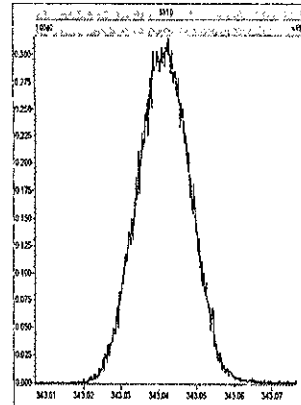
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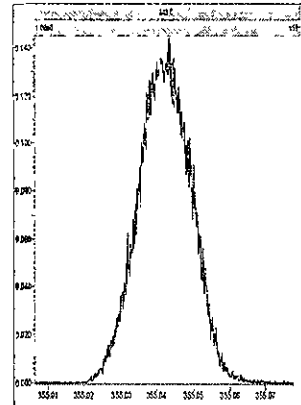
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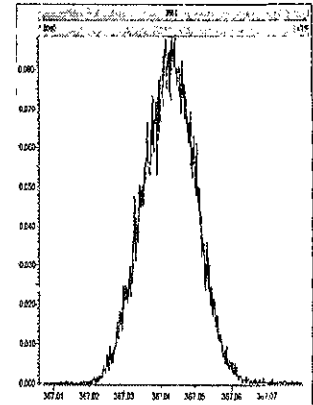
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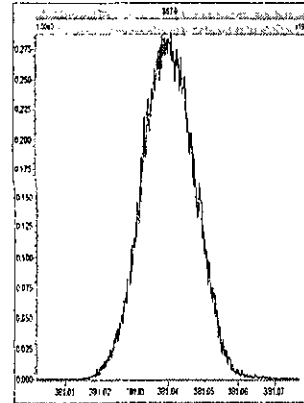
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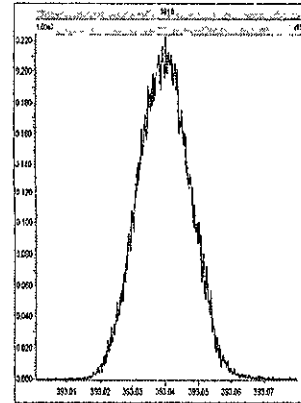
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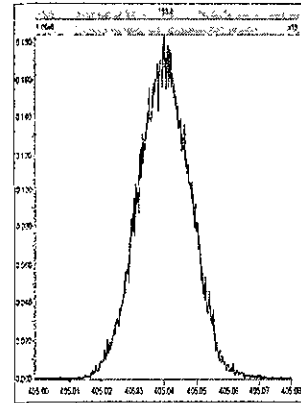
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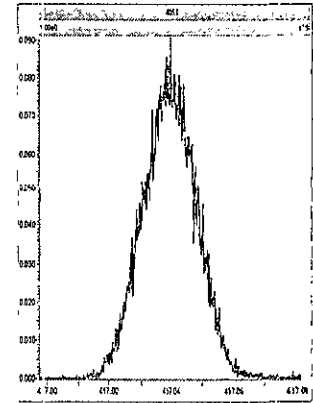
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M 404.9760 R 10824



M 416.9760 R 10204

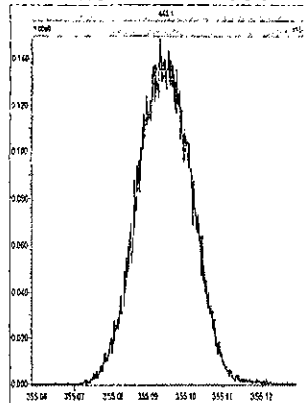




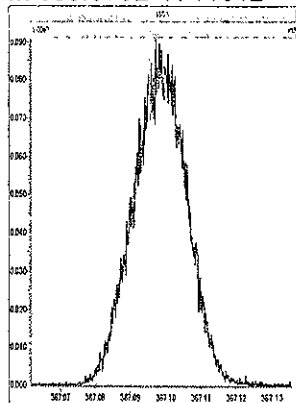
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Printed: Monday, November 02, 2009 15:57:24 Pacific Standard Time

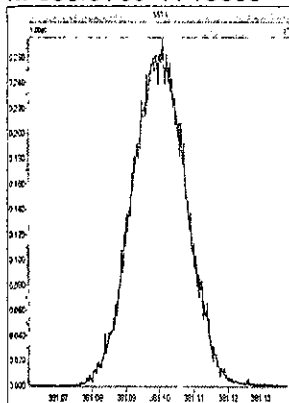
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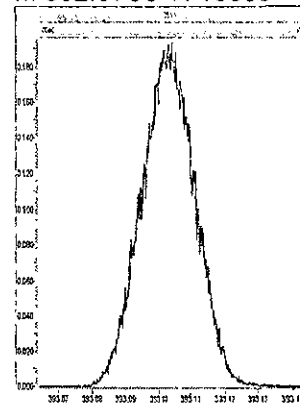
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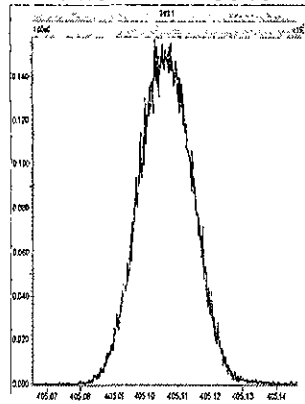
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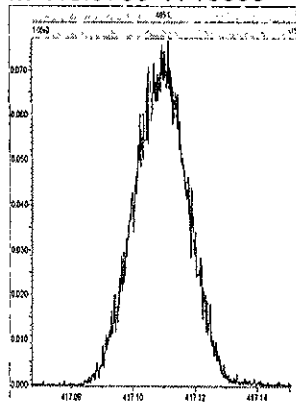
M 392.9760 R 10866



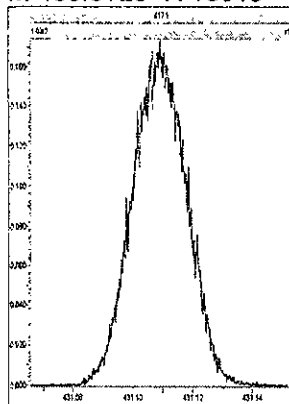
M 404.9760 R 10548



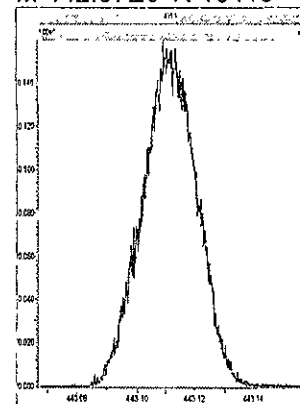
M 416.9760 R 10595



M 430.9728 R 10918



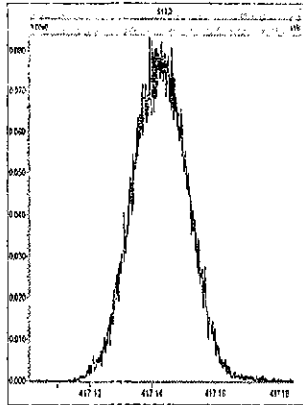
M 442.9728 R 10416



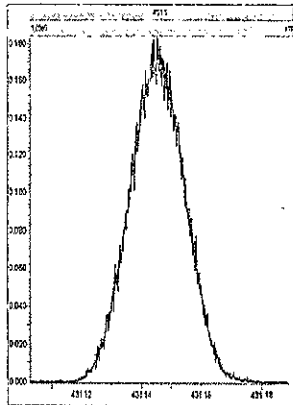
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, November 02, 2009 15:58:11 Pacific Standard Time

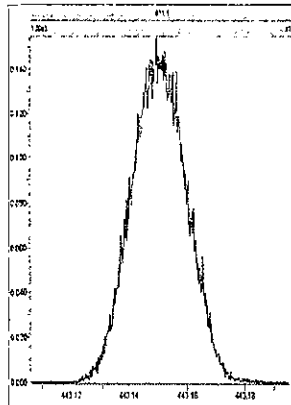
M 416.9760 R 10245



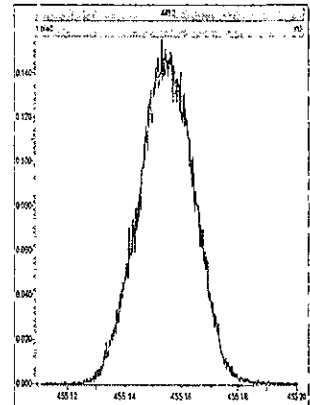
M 430.9728 R 10371



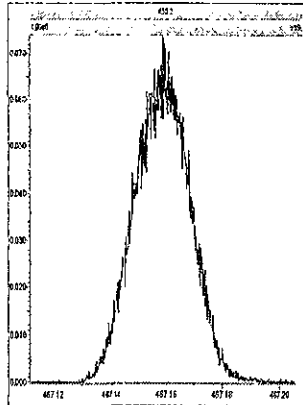
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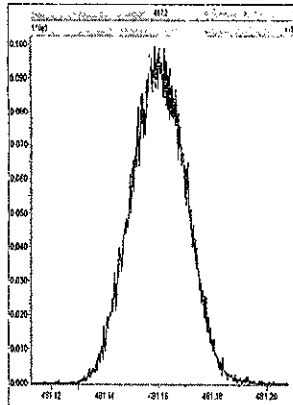
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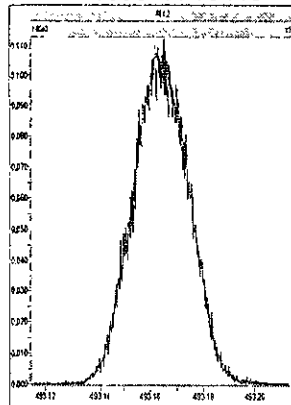
M 466.9728 R 10120



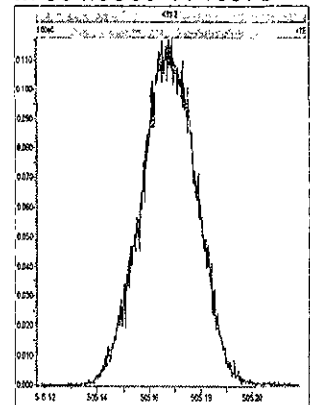
M 480.9696 R 10546



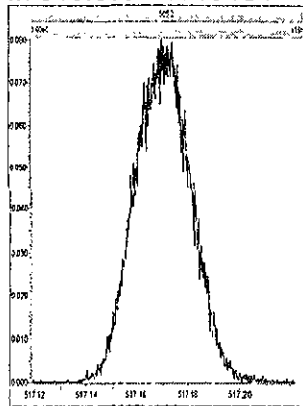
M 492.9696 R 10416



M 504.9696 R 10079



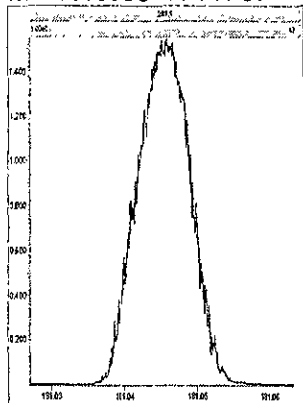
M 516.9697 R 10464



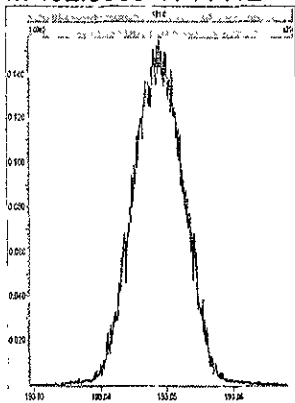
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, November 03, 2009 07:27:05 Pacific Standard Time

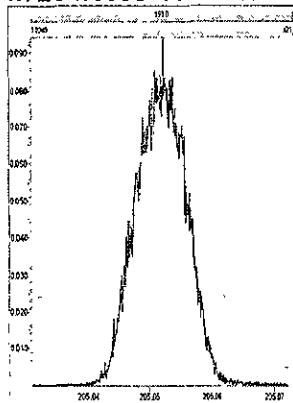
M 180.9888 R 11737



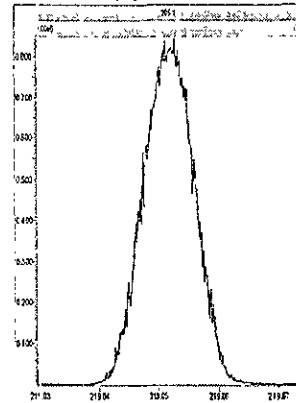
M 192.9888 R 11412



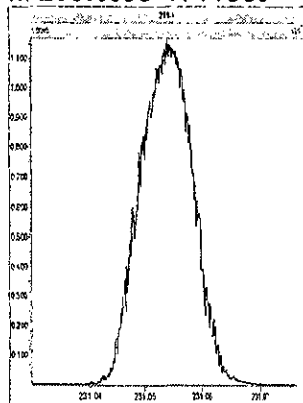
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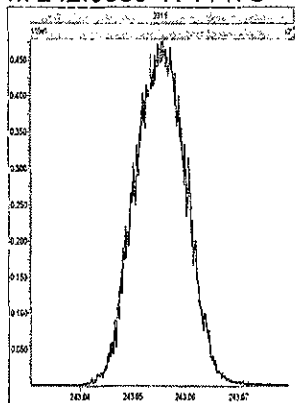
M 218.9856 R 11682



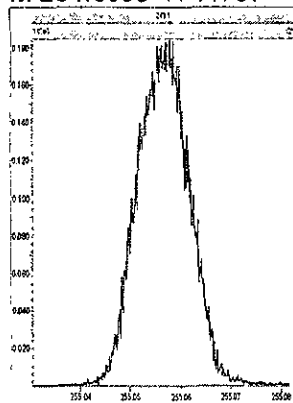
M 230.9856 R 11850



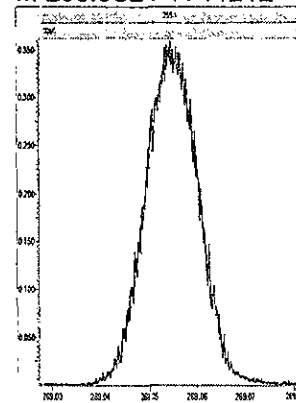
M 242.9856 R 11470



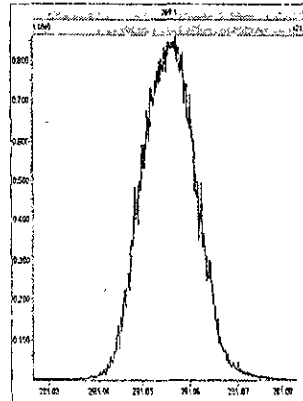
M 254.9856 R 11737



M 268.9824 R 11212



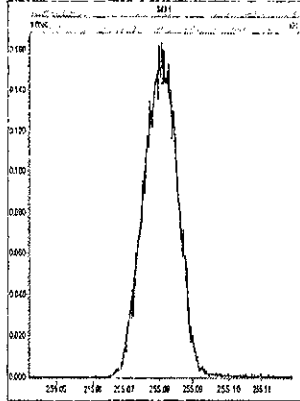
M 280.9824 R 11260



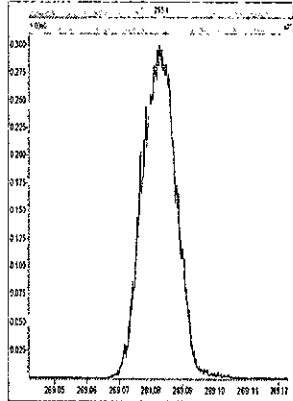
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Printed: Tuesday, November 03, 2009 07:28:04 Pacific Standard Time

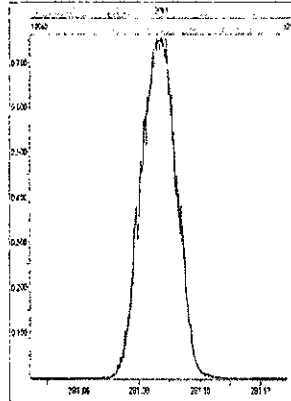
M 254.9856 R 11988



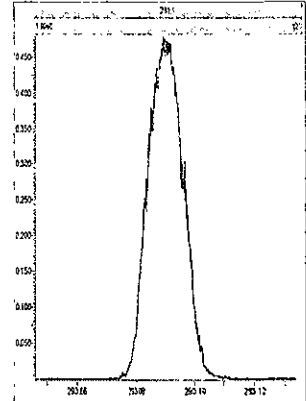
M 268.9824 R 11574



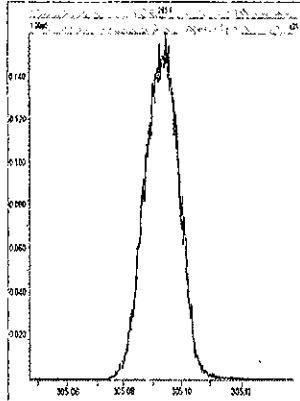
M 280.9824 R 11655



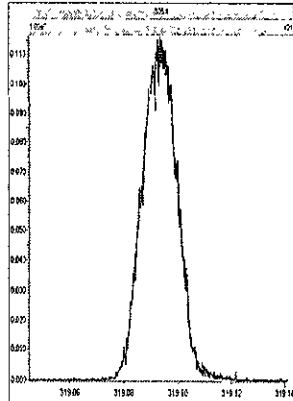
M 292.9824 R 11495



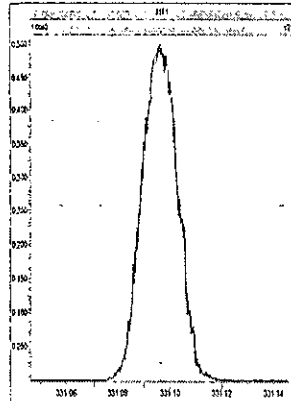
M 304.9824 R 11574



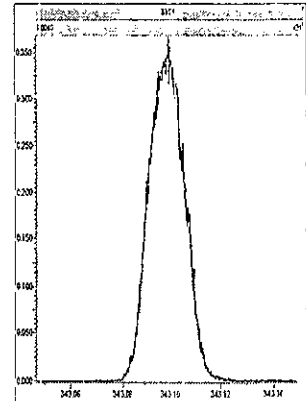
M 318.9792 R 11493



M 330.9792 R 11657



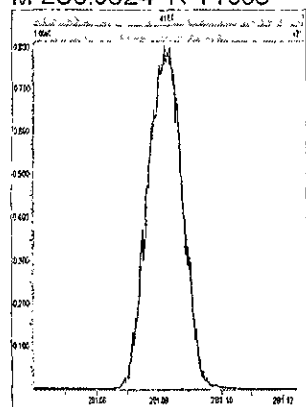
M 342.9792 R 11188



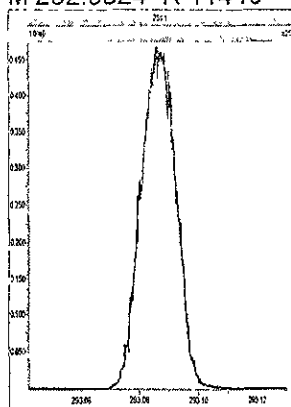
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Printed: Tuesday, November 03, 2009 07:28:59 Pacific Standard Time

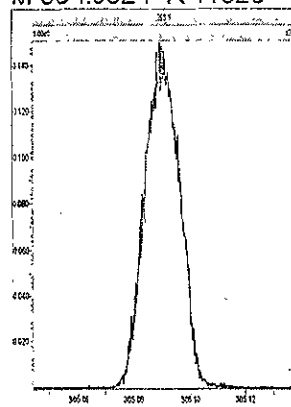
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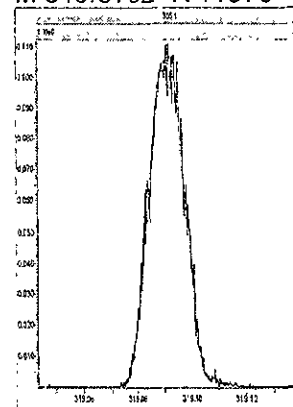
M 292.9824 R 11416



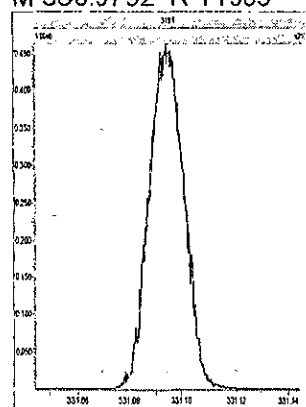
M 304.9824 R 11820



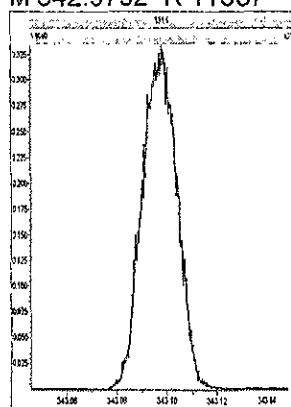
M 318.9792 R 11573



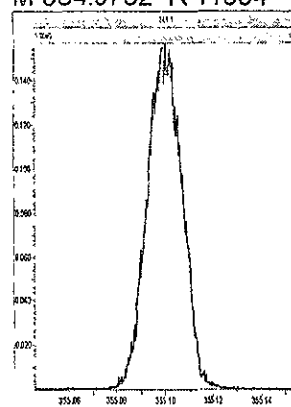
M 330.9792 R 11989



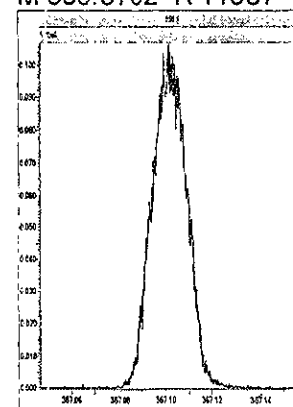
M 342.9792 R 11337



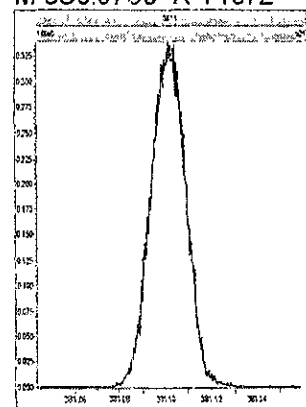
M 354.9792 R 11654



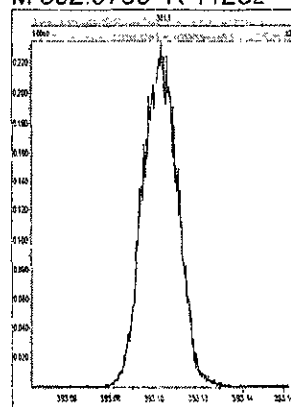
M 366.9792 R 11907



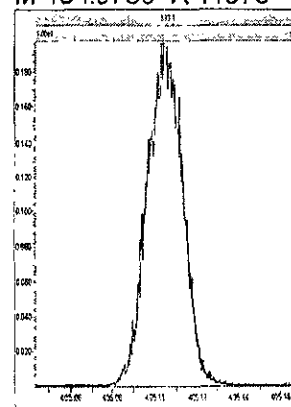
M 380.9760 R 11572



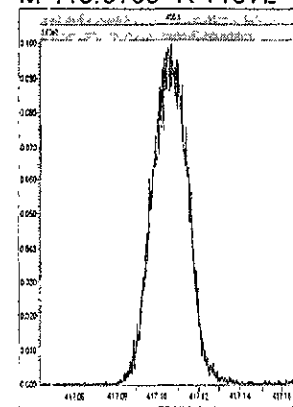
M 392.9760 R 11262



M 404.9760 R 11575



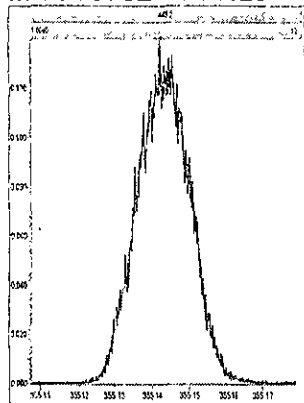
M 416.9760 R 11572



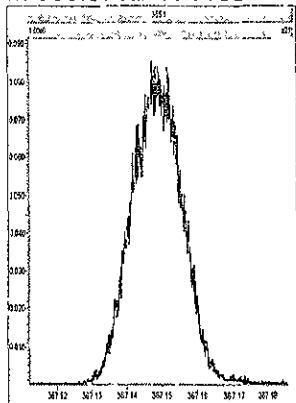
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Printed: Tuesday, November 03, 2009 07:30:08 Pacific Standard Time

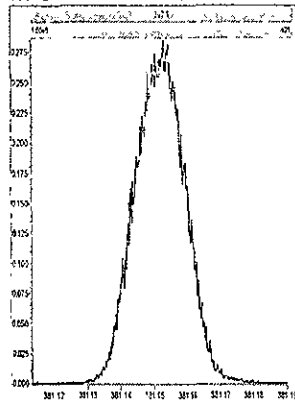
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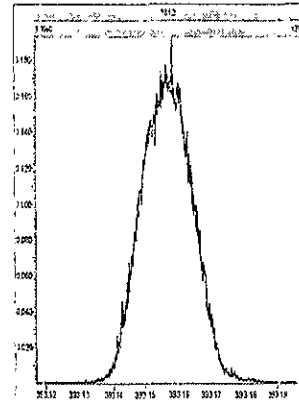
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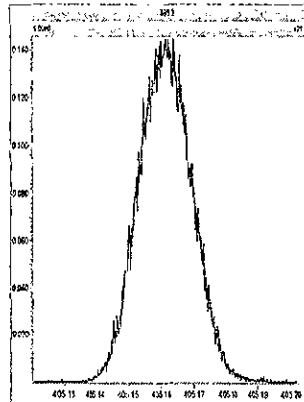
M 380.9760 R 11573



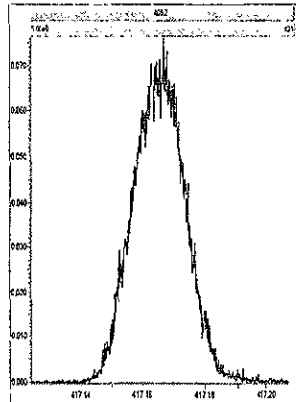
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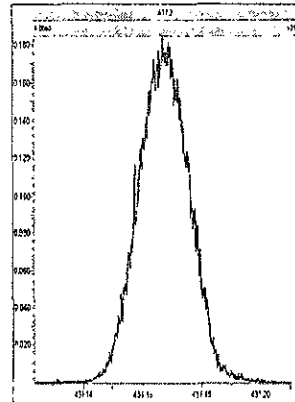
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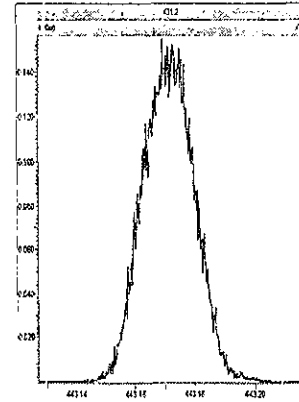
M 416.9760 R 11160



M 430.9728 R 11519



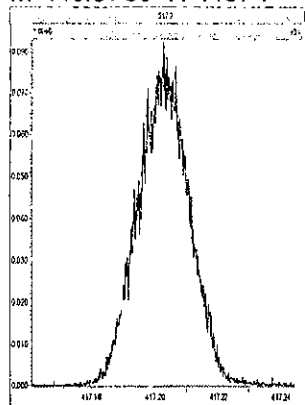
M 442.9728 R 11108



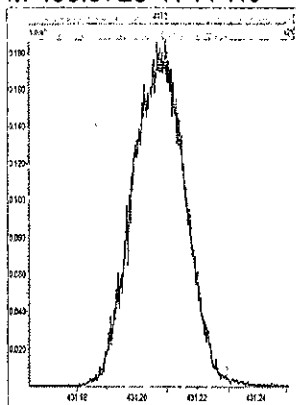
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Printed: Tuesday, November 03, 2009 07:31:09 Pacific Standard Time

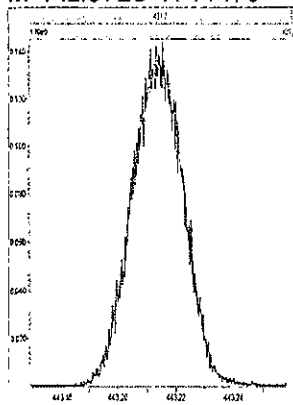
M 416.9760 R 11574



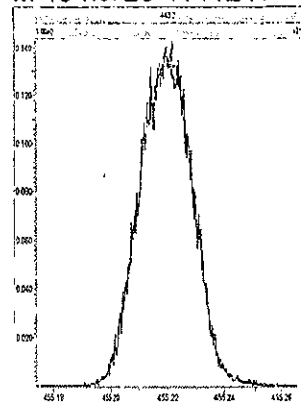
M 430.9728 R 11415



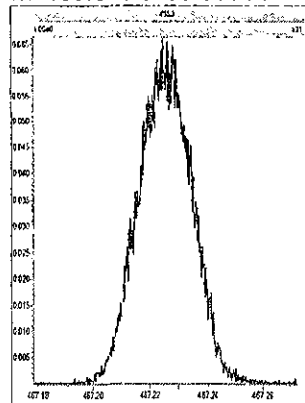
M 442.9728 R 11470



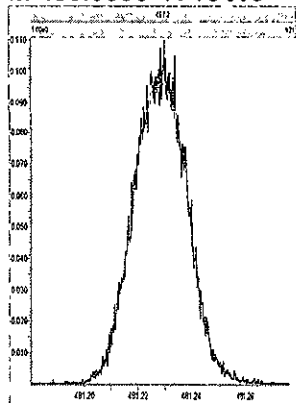
M 454.9728 R 11211



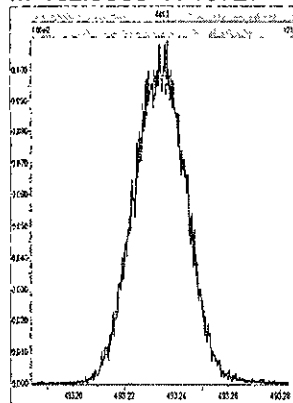
M 466.9728 R 11111



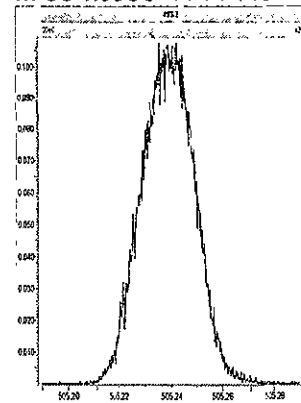
M 480.9696 R 10868



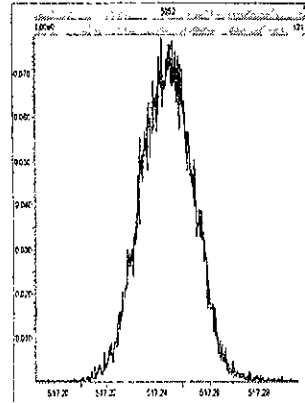
M 492.9696 R 10727



M 504.9696 R 11415

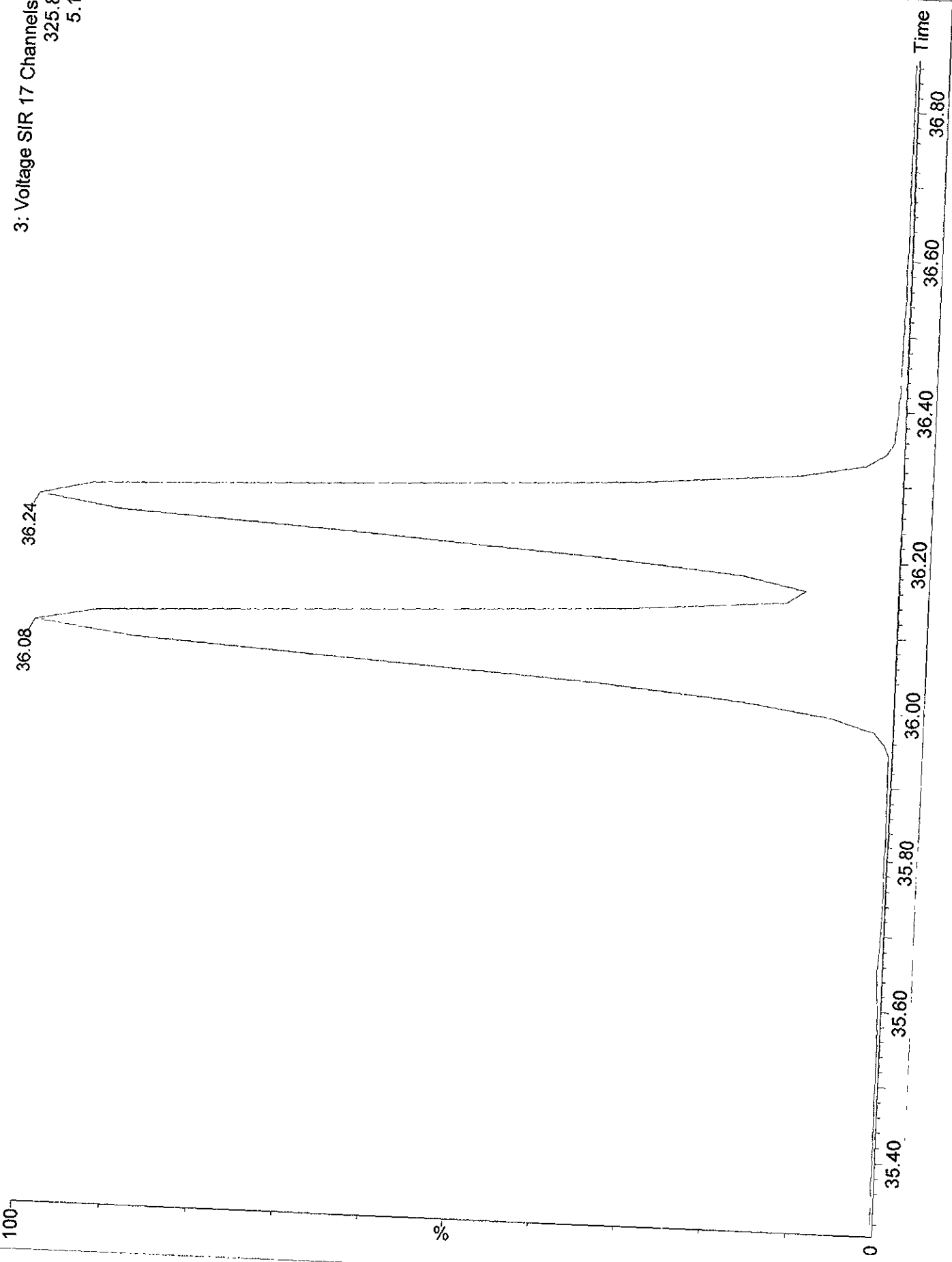


M 516.9697 R 10964



CS-3 09DXN207  
02NO09A10D5\_2

3: Voltage SIR 17 Channels EI+  
325.8804  
5.13e6





Dataset: C:\MassLynx\Default.pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

Printed: Tuesday, November 03, 2009 06:57:11 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 02 Nov 2009 06:49:13

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.08034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

Quantify Sample Report MassLynx 4.1

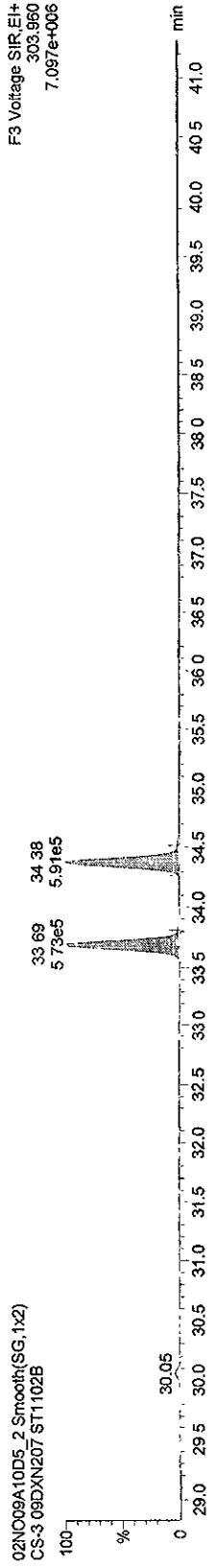
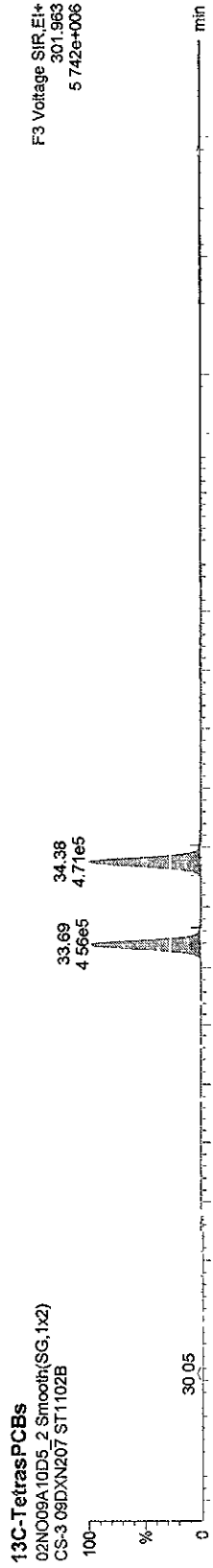
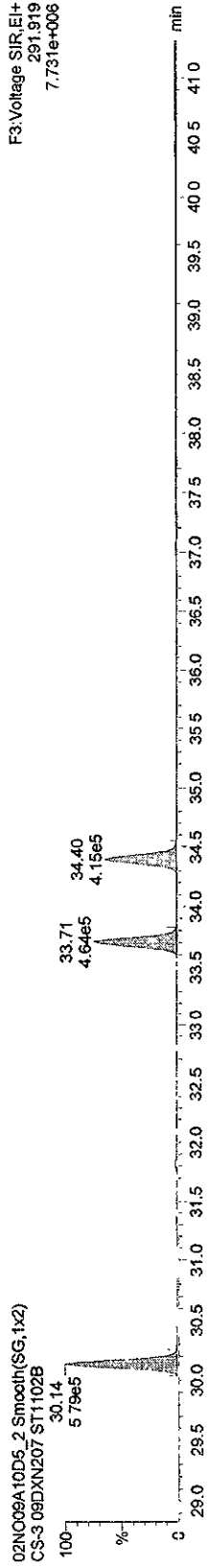
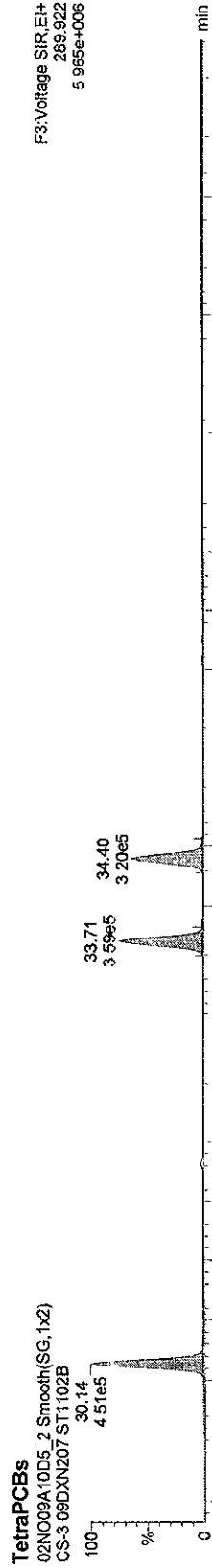
Dataset: C:\MassLynx\Default.pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 02 Nov 2009 06:49:13  
Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 02NO09A10D5\_2, Date: 02-Nov-2009, Time: 17:02:23, ID: ST1102B, Description: CS-3 09DXN207

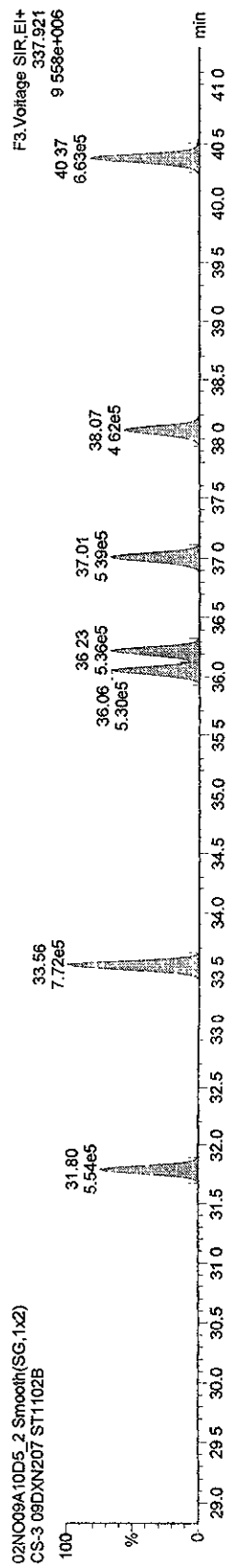
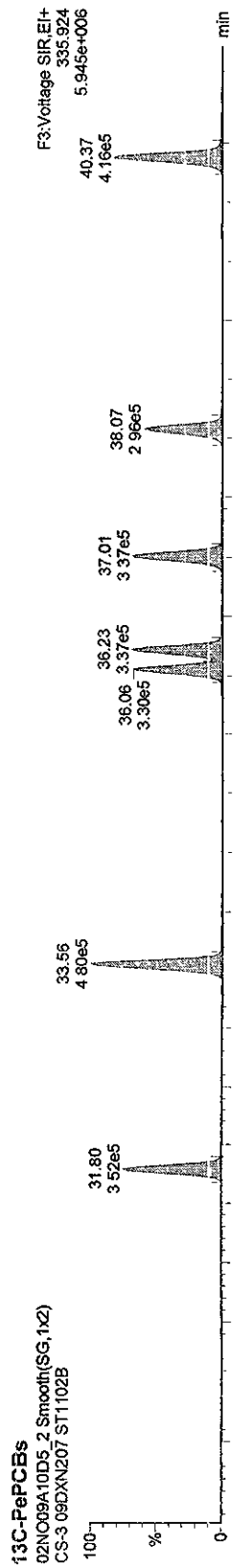
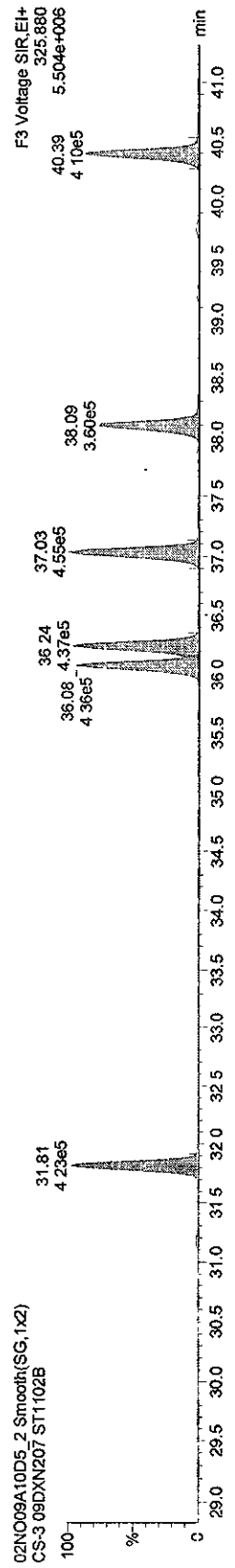
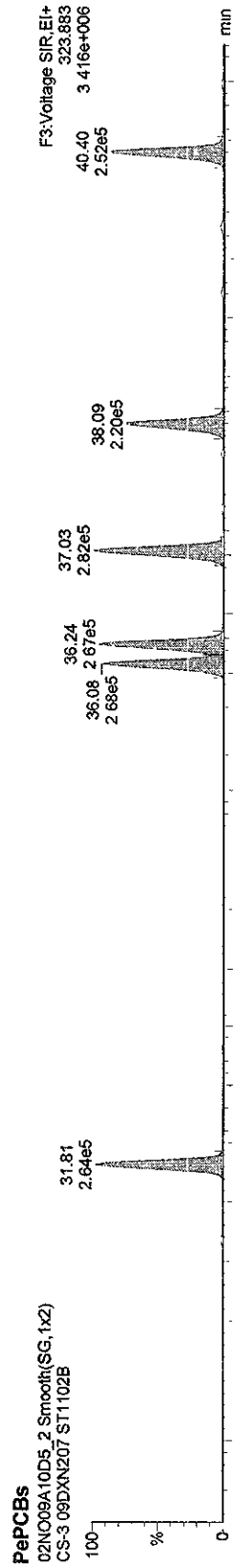


Quantify Sample Report MassLynx 4.1

Dataset: C:\masslynx\Default.pro\02NO09A10D5\_1668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_2, Date: 02-Nov-2009, Time: 17:02:23, ID: ST1102B, Description: CS-3 09DXN207



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO09A10D5\_1668MSL.qld

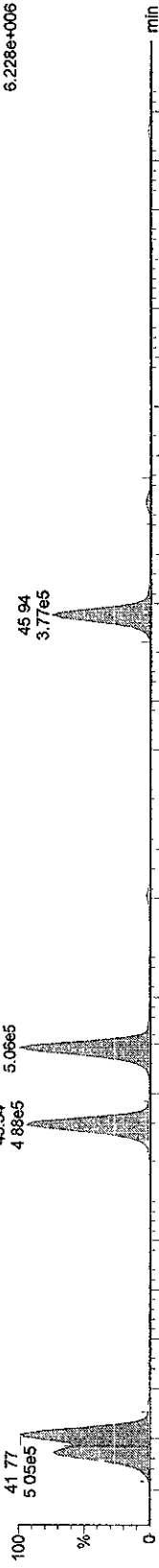
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

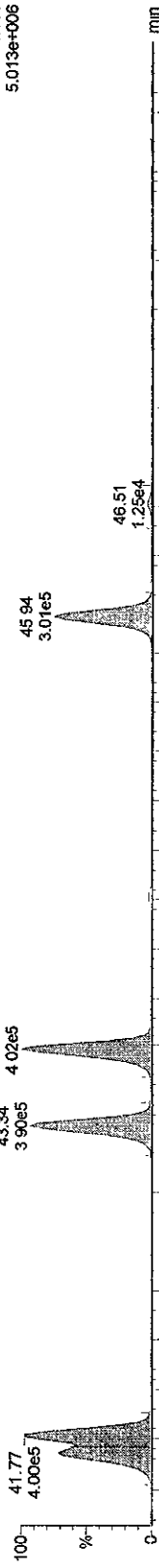
Name: 02NO09A10D5\_2, Date: 02-Nov-2009, Time: 17:02:23, ID: ST1102B, Description: CS-3 09DXN207

HxPCBs-

02NO09A10D5\_2 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102B

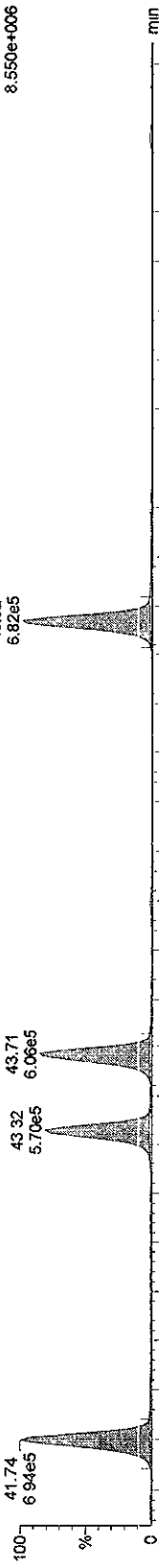


02NO09A10D5\_2 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102B

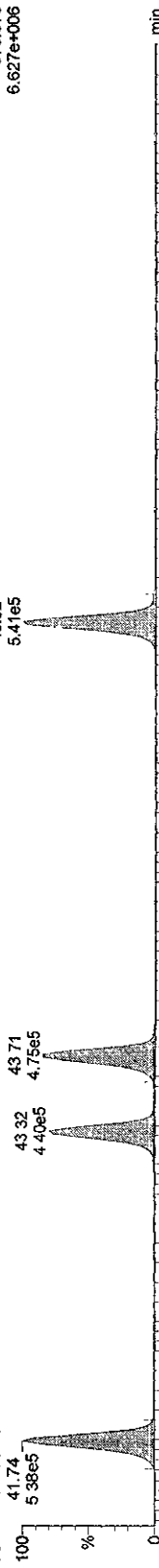


13C-HxPCBs

02NO09A10D5\_2 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102B



02NO09A10D5\_2 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102B



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO09A10D51668MSL.qld

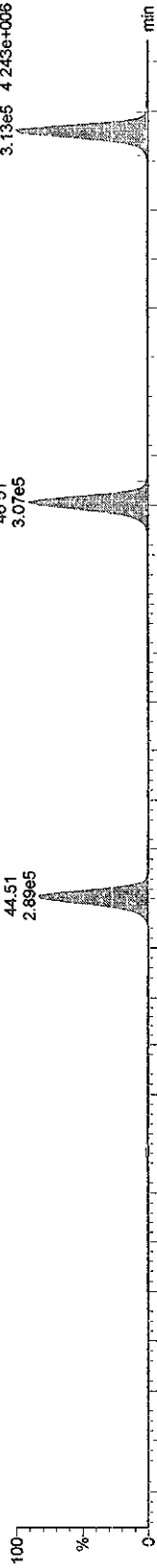
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

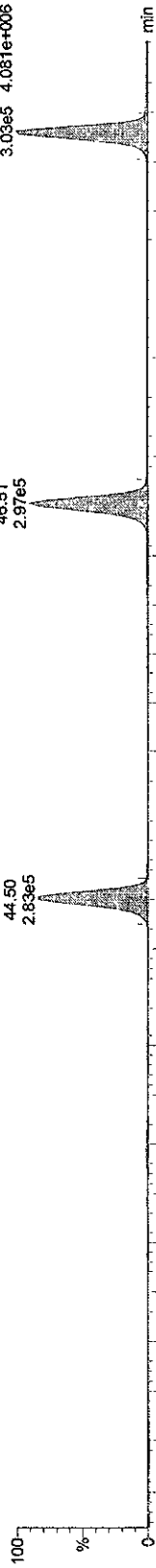
Name: 02NO09A10D5\_2, Date: 02-Nov-2009, Time: 17:02:23, ID: ST1102B, Description: CS-3 09DXN207

HpPCBs

02NO09A10D5\_2 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102B

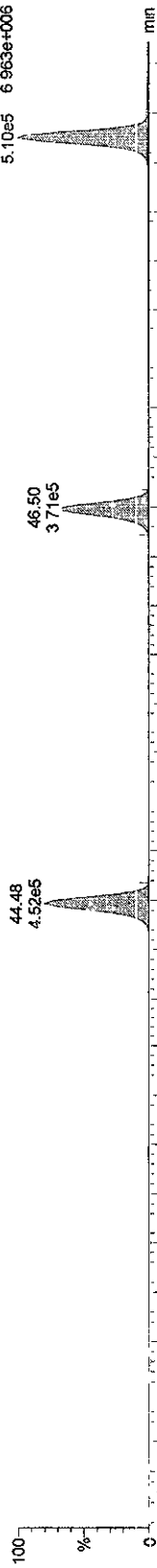


02NO09A10D5\_2 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102B



<sup>13</sup>C-HpPCBs

02NO09A10D5\_2 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102B



02NO09A10D5\_2 Smooth(SG,1x2)  
CS-3 09DXN207 ST1102B

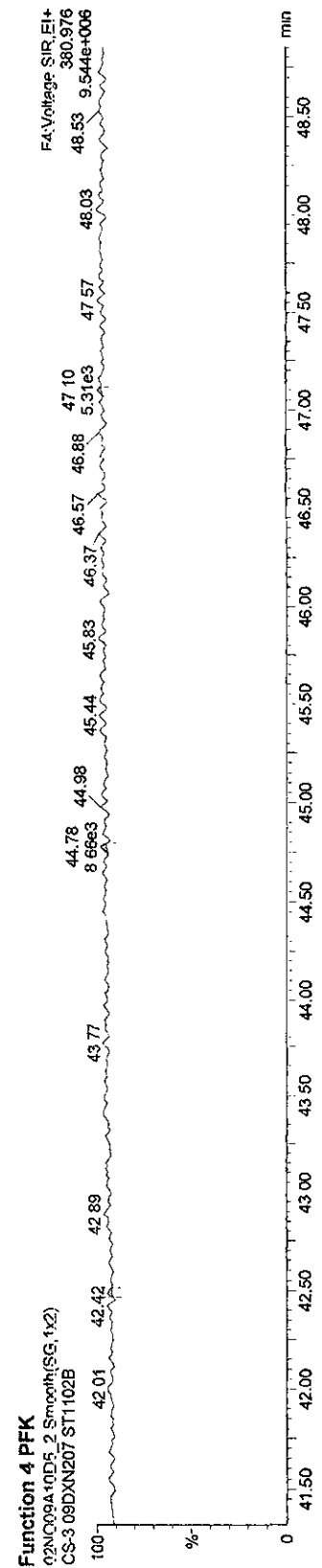


Quantify Sample Report MassLynx 4.1

Dataset: C:\masslynx\Default.pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_2, Date: 02-Nov-2009, Time: 17:02:23, ID: ST1102B, Description: CS-3 09DXN207



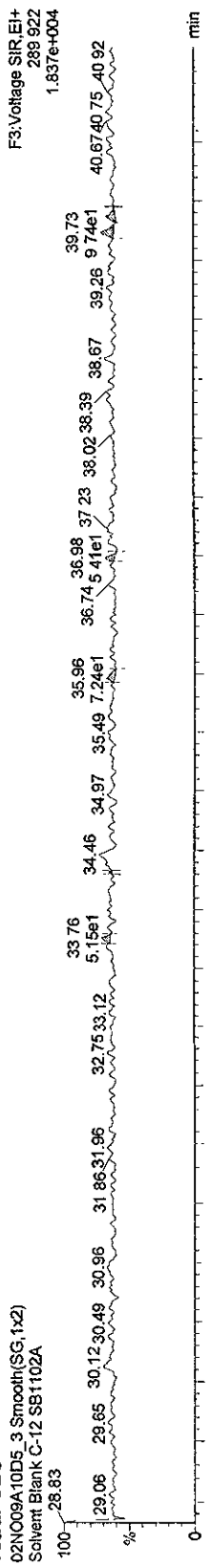
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prol02NO09A10D51668MSL.qld

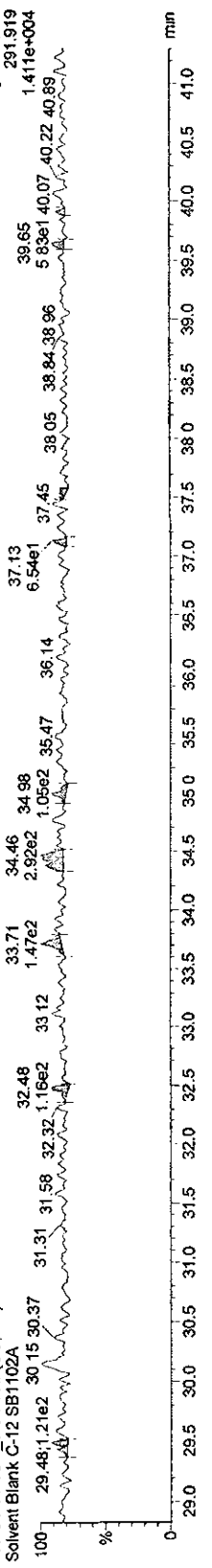
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_3, Date: 02-Nov-2009, Time: 18:04:08, ID: SB1102A, Description: Solvent Blank C-12

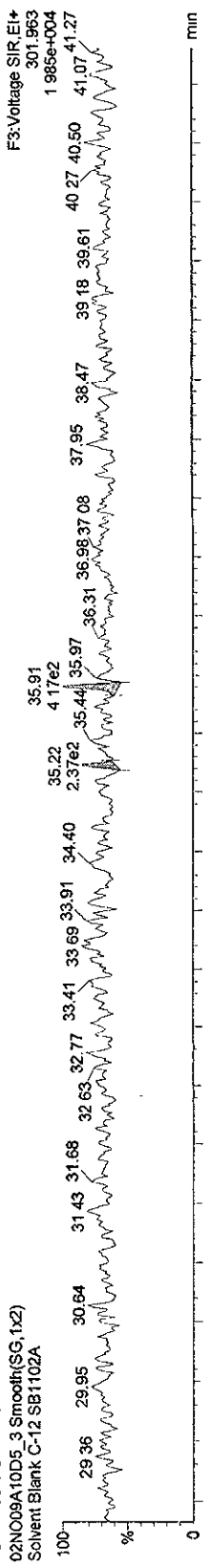
TetraPCBs



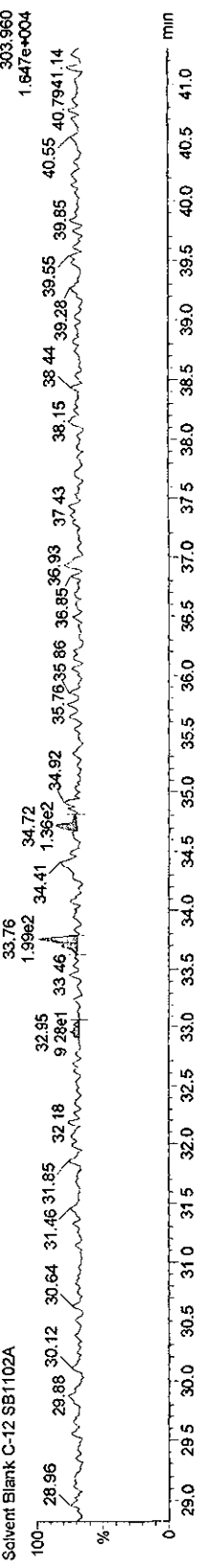
13C-TetrasPCBs



13C-TetrasPCBs



13C-TetrasPCBs



Quantify Sample Report MassLynx 4.1

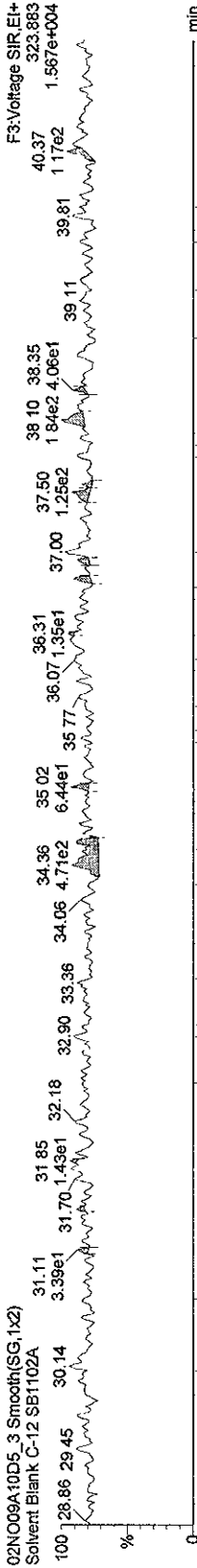
Dataset: C:\masslynx\Default.pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

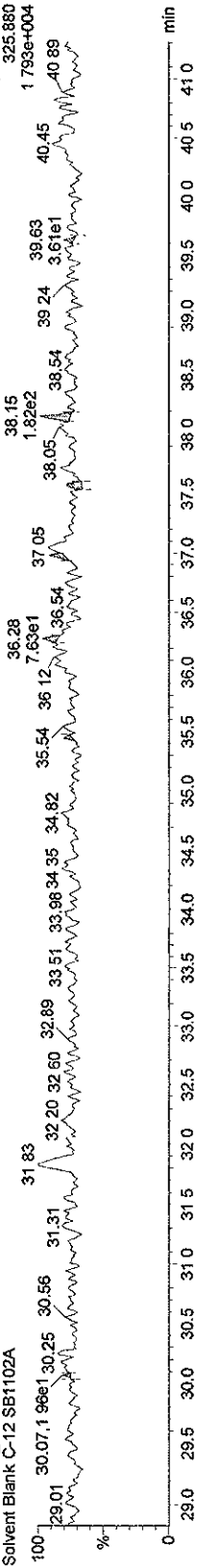
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_3, Date: 02-Nov-2009, Time: 18:04:08, ID: SB1102A, Description: Solvent Blank C-12

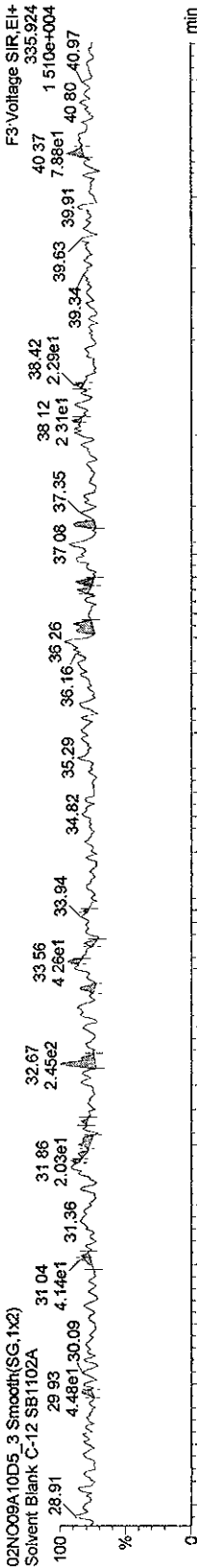
PePCBs



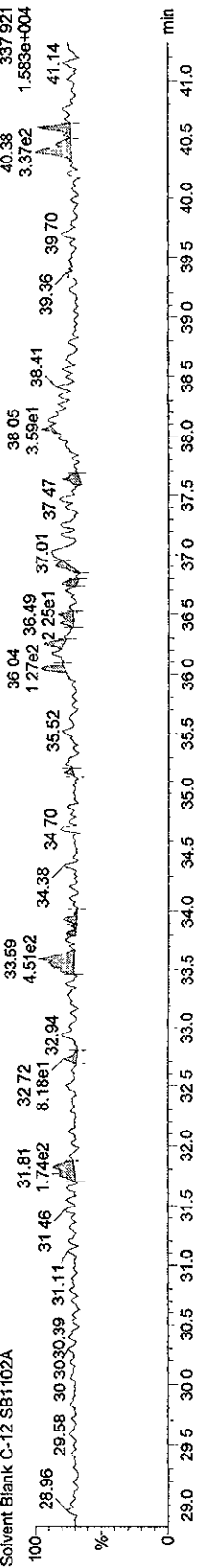
02NO09A10D5\_3 Smooth(SG,1x2)



13C-PePCBs



02NO09A10D5\_3 Smooth(SG,1x2)





Quantify Sample Report MassLynx 4.1

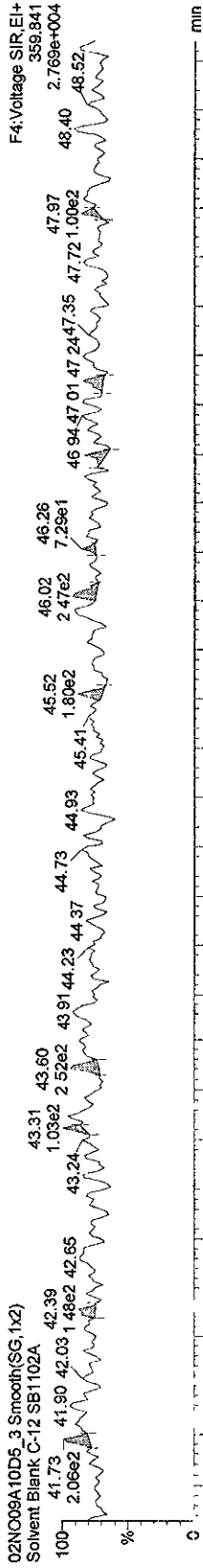
Dataset: C:\masslynx\Default.pro\02NO09A10D5\1668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

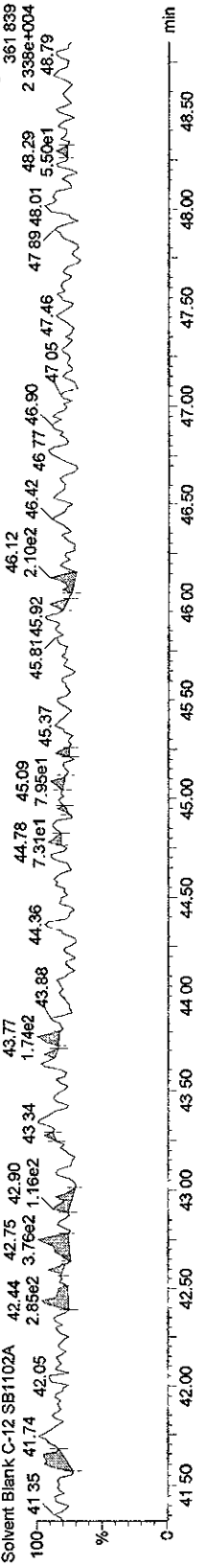
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_3, Date: 02-Nov-2009, Time: 18:04:08, ID: SB1102A, Description: Solvent Blank C-12

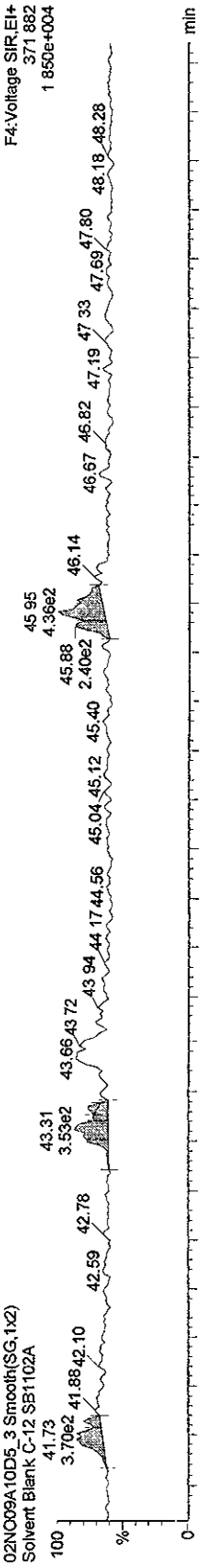
HxPCBs-



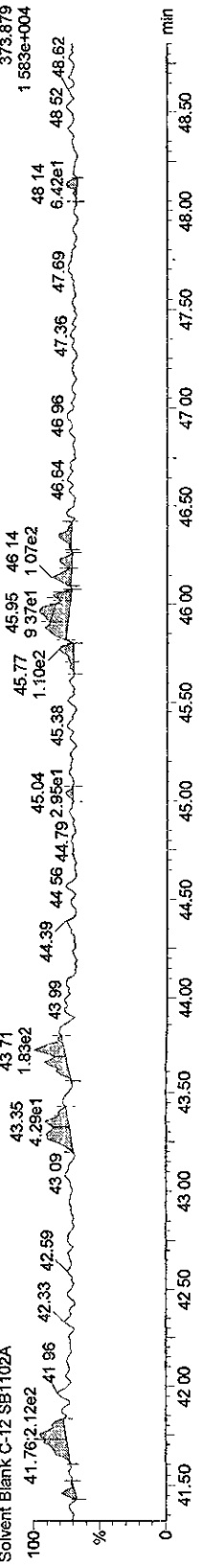
13C-HxPCBs



HxPCBs-



HxPCBs-

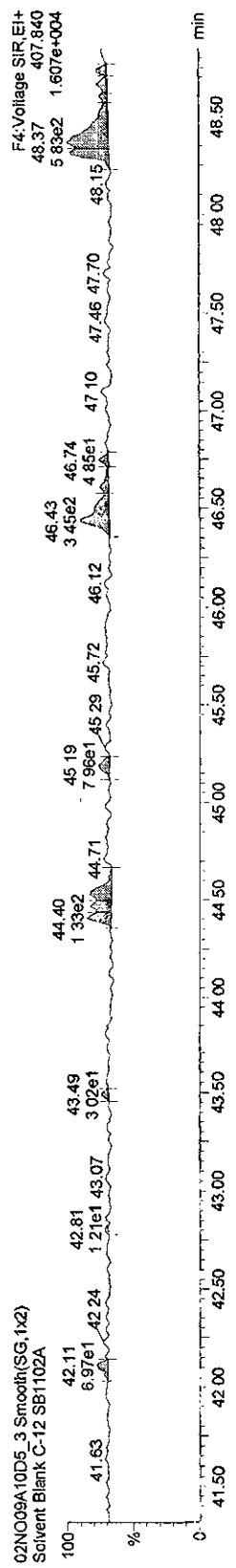
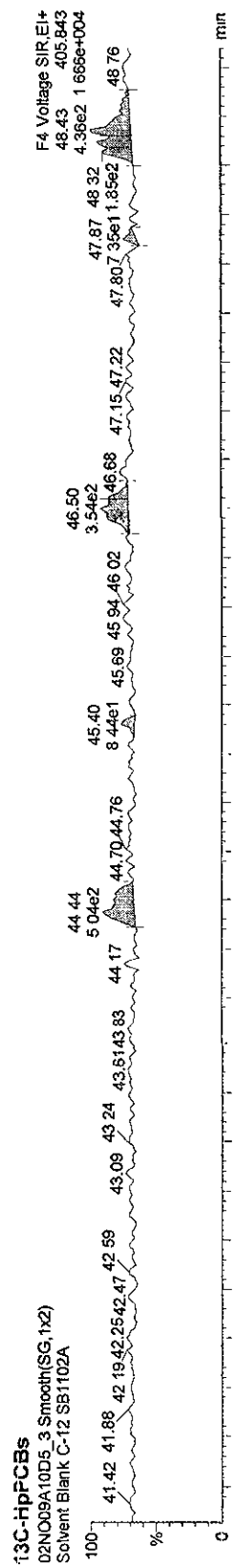
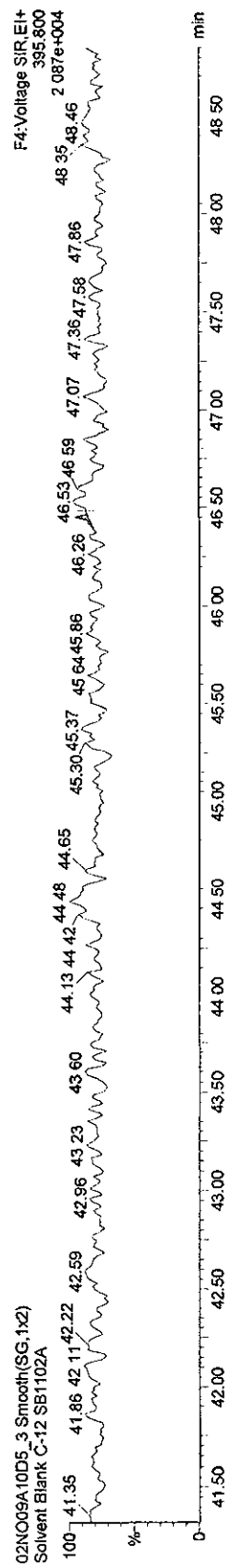
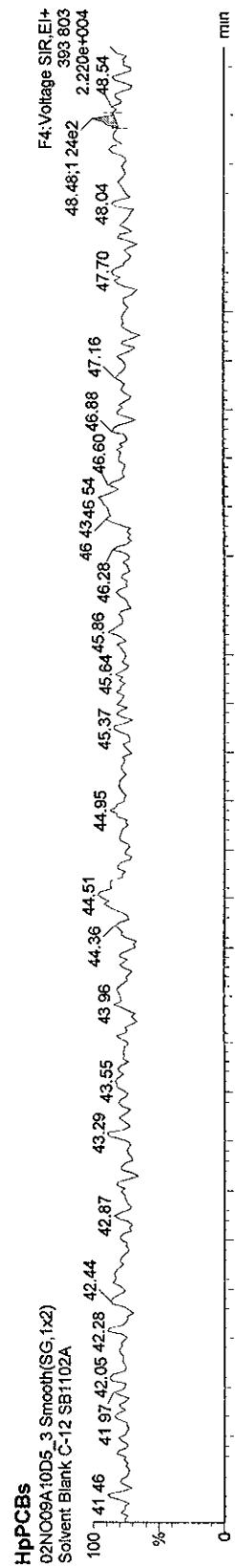


Quantify Sample Report MassLynx 4.1

Dataset: C:\masslynx\Default\prol02\NO09A10D5\1668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_3, Date: 02-Nov-2009, Time: 18:04:08, ID: SB1102A, Description: Solvent Blank C-12



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro02\NO09A10D51668\MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_3, Date: 02-Nov-2009, Time: 18:04:08, ID: SB1102A, Description: Solvent Blank C-12

13C-OcCB-202

02NO09A10D5\_3 Smooth(SG,1x2)  
Solvent Blank C-12 SB1102A

F4:Voltage SIR, EI+  
439.804  
1.449e+004

46.33  
7.30e1

45.89  
8.44e1

45.26  
45.38

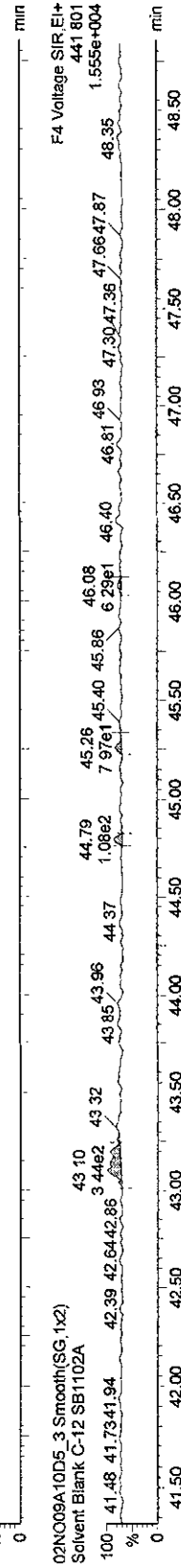
44.81  
44.17

43.58  
43.82

43.13  
43.27

42.53  
42.24

41.97  
42.11



Function 3 PFK

02NO09A10D5\_3 Smooth(SG,1x2)  
Solvent Blank C-12 SB1102A

F3:Voltage SIR, EI+  
380.976  
1.011e+007

36.58  
36.09

35.30  
35.08

34.40  
34.00

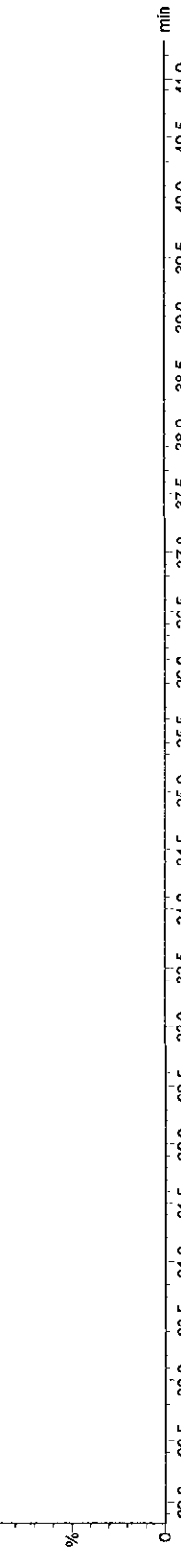
33.96  
33.31

32.40  
32.17

30.29  
30.94

28.96  
30.04

41.86  
42.56



Function 4 PFK

02NO09A10D5\_3 Smooth(SG,1x2)  
Solvent Blank C-12 SB1102A

F4:Voltage SIR, EI+  
380.976  
48.63

46.46  
45.78

45.40  
45.09

44.40  
44.28

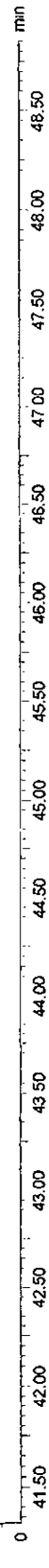
43.74  
43.48

42.76  
42.56

41.86  
42.11

41.86  
42.56

41.86  
42.56



# **Initial Calibration**

*Includes (as applicable):*

*runlog*

*standard raw data*

*statistical summary*

*ms tune data*

Initial Calibration Checklist  
Methods 1668 and 1614

1668

ICAL ID TCA0716200910DS1668MSL, TCA0716200910DS\*MSLDEC

Method ID 1668M Date Scanned \_\_\_\_\_

Column ID DB-5 Instrument ID 10DS

STD ID's ST0716, ST0716A, ST0716B, ST0716C, ST0716D STD Solution 09DXN(-205, -206, -207, -208, -209)

GC Program 1668M10DS Multiplier Setting 350

Analyzed By SMA Date Analyzed 7-16-09

Prepared By SMA Date Prepared 7-21-09

Reviewed By AM Date Reviewed 7-21-09

ANALYSIS OF ICAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\* PCB: %RSD not to exceed ±20% for toxic and/or window defining natives (LOC natives). All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%, S/N ≥ 2.5

1614 %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD, S/N ≥ 2.5

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:45:37 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

#	Name	RRF Mean	RRF SD	RRF %Rt SD
1	13C-PeCB-101	12419.42300	552.43115	4.44812
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27458	0.03295	2.58481
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02377	0.01763	1.72210
11	PeCB-118/106	1.52582	0.06945	4.55167
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58926	0.05740	3.61197
14	13C-PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	14106.20925	642.22167	4.55276
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-DeCB-209	0.55323	0.00785	1.41876
38	DeCB-209	1.31861	0.03844	2.91546
39				
40	13C-PeCB-111	1.30483	0.02157	1.65345
41				
42	Function 3 PFK			
43	Function 4 PFK			
44	Function 5 PFK			

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod Date
1	13C-PeCB-101	335.924	31.89	100.0	1238504	12385.0	0.623	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1303558	105253	0.781	NO	
4	TeCB-81	289.922	33.82	1.0	17272	132496	0.713	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1366661	110348	0.785	NO	
6	TeCB-77	289.922	34.52	1.0	17201	125859	0.692	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.15	100.0	1250798	100993	0.630	NO	
9	PeCB-123	323.883	36.18	1.0	17822	142486	0.649	NO	
10	13C-PeCB-118	335.924	36.31	100.0	1303385	105239	0.638	NO	
11	PeCB-118/106	323.883	36.35	1.0	18785	144126	0.590	NO	
12	13C-PeCB-114	335.924	37.10	100.0	1308817	105677	0.632	NO	
13	PeCB-114	323.883	37.14	1.0	19667	150269	0.608	NO	
14	13C-PeCB-105	335.924	38.18	100.0	1247364	100715	0.630	NO	
15	PeCB-105/127	323.883	38.21	1.0	17028	136510	0.657	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1318474	106457	0.617	NO	
17	PeCB-126	323.883	40.51	1.0	14763	111971	0.612	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.29	100.0	1410958	14109.0	0.898	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.85	100.0	1437394	101874	1.287	NO	
22	HxCB-167	359.841	41.87	1.0	19668	136831	1.291	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1133192	0.80314	1.291	NO	
24	HxCB-156	359.841	43.45	1.0	18969	167395	1.142	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1209820	0.85745	1.273	NO	
26	HxCB-157	359.841	43.83	1.0	19507	1.61239	1.155	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1280840	0.90778	1.268	NO	
28	HxCB-169	359.841	46.08	1.0	13786	107630	1.297	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.59	100.0	985244	0.69828	1.054	NO	
31	HpCB-180	393.803	44.62	1.0	13178	133751	1.134	NO	
32	13C-HpCB-170	405.843	46.61	100.0	795719	0.56396	1.060	NO	
33	HpCB-170	393.803	46.64	1.0	12327	154915	1.029	NO	
34	13C-HpCB-189	405.843	48.48	100.0	1036343	0.73450	1.048	NO	
35	HpCB-189	393.803	48.50	1.0	12596	1.21545	1.055	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.70	100.0	781754	0.55406	0.704	NO	
38	DeCB-209	495.686	53.72	1.0	9872	1.26276	0.675	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.65	100.0	1685311	131074	0.635	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act ..	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1201788	12017	0.630	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1243046	1.03433	0.797	NO	
4	TeCB-81	289.922	33.83	5.0	87542	1.40851	0.717	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1317969	1.09667	0.797	NO	
6	TeCB-77	289.922	34.52	5.0	81251	1.23297	0.721	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1207195	1.00450	0.620	NO	
9	PeCB-123	323.883	36.18	5.0	84618	1.40190	0.624	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1219974	1.01513	0.633	NO	
11	PeCB-118/106	323.883	36.35	5.0	89482	1.46696	0.646	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1249215	1.03946	0.647	NO	
13	PeCB-114	323.883	37.14	5.0	97586	1.56236	0.602	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1174371	0.97719	0.628	NO	
15	PeCB-105/127	323.883	38.21	5.0	82035	1.39708	0.619	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1231019	1.02432	0.623	NO	
17	PeCB-126	323.883	40.54	5.0	67459	1.09599	0.630	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1363855	13638	0.891	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1360620	0.99763	1.270	NO	
22	HxCB-167	359.841	41.88	5.0	86045	1.26479	1.229	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1065694	0.78138	1.285	NO	
24	HxCB-156	359.841	43.46	5.0	85122	1.59750	1.186	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1123200	0.82355	1.286	NO	
26	HxCB-157	359.841	43.85	5.0	89045	1.58556	1.238	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1168591	0.85683	1.282	NO	
28	HxCB-169	359.841	46.08	5.0	62351	1.06712	1.221	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	925688	0.67873	1.035	NO	
31	HpCB-180	393.803	44.62	5.0	56871	1.22872	1.063	NO	
32	13C-HpCB-170	405.843	46.61	100.0	738016	0.54112	1.062	NO	
33	HpCB-170	393.803	46.64	5.0	58449	1.58394	1.019	NO	
34	13C-HpCB-189	405.843	48.50	100.0	932310	0.68358	1.049	NO	
35	HpCB-189	393.803	48.51	5.0	56109	1.20366	1.059	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	745327	0.54649	0.715	NO	
38	DeCB-209	495.686	53.73	5.0	48235	1.29433	0.711	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.66	100.0	1588090	1.30561	0.634	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					



Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1175057	11750...	0.634	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1246212	1.06055	0.801	NO	
4	TeCB-81	289.922	33.83	50.0	930081	1.49265	0.723	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1331423	1.13307	0.804	NO	
6	TeCB-77	289.922	34.52	50.0	847939	1.27373	0.727	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1191088	1.01364	0.643	NO	
9	PeCB-123	323.883	36.18	50.0	929234	1.56031	0.615	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1202953	1.02374	0.631	NO	
11	PeCB-118/106	323.883	36.35	50.0	956194	1.58974	0.625	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1229304	1.04616	0.638	NO	
13	PeCB-114	323.883	37.14	50.0	987405	1.60645	0.626	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1164813	0.99128	0.637	NO	
15	PeCB-105/127	323.883	38.21	50.0	850622	1.46053	0.610	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1208292	1.02828	0.622	NO	
17	PeCB-126	323.883	40.53	50.0	708636	1.17295	0.622	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1332095	1.3320	0.897	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1325323	0.99492	1.279	NO	
22	HxCB-167	359.841	41.88	50.0	929401	1.40253	1.238	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1039105	0.78005	1.292	NO	
24	HxCB-156	359.841	43.46	50.0	895990	1.72454	1.227	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1109688	0.83304	1.283	NO	
26	HxCB-157	359.841	43.85	50.0	943304	1.70012	1.230	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1146831	0.86092	1.284	NO	
28	HxCB-169	359.841	46.08	50.0	635680	1.10859	1.243	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	926647	0.69563	1.034	NO	
31	HpCB-180	393.803	44.62	50.0	599373	1.29364	1.027	NO	
32	13C-HpCB-170	405.843	46.62	100.0	725228	0.54443	1.045	NO	
33	HpCB-170	393.803	46.64	50.0	598461	1.65041	1.043	NO	
34	13C-HpCB-189	405.843	48.50	100.0	930603	0.69860	1.043	NO	
35	HpCB-189	393.803	48.51	50.0	575970	1.23784	1.038	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	733459	0.55061	0.704	NO	
38	DeCB-209	495.686	53.73	50.0	494787	1.34919	0.691	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.67	100.0	1595890	1.33070	0.629	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default pro\NCA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.89	100.0	1295333	12953	0.633	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1310582	1.01177	0.780	NO	
4	TeCB-81	289.922	33.82	200.0	3974320	1.51624	0.742	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1385538	1.06964	0.794	NO	
6	TeCB-77	289.922	34.52	200.0	3662737	1.32177	0.723	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1226579	0.94692	0.628	NO	
9	PeCB-123	323.883	36.18	200.0	3838855	1.56486	0.620	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1301955	1.00511	0.639	NO	
11	PeCB-118/106	323.883	36.35	200.0	4007006	1.53884	0.615	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1286568	0.99323	0.644	NO	
13	PeCB-114	323.883	37.14	200.0	4203276	1.63352	0.617	NO	
14	13C-PeCB-105	335.924	38.18	100.0	1235972	0.95417	0.624	NO	
15	PeCB-105/127	323.883	38.21	200.0	3603788	1.45788	0.623	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1300506	1.00399	0.625	NO	
17	PeCB-126	323.883	40.52	200.0	3074213	1.18193	0.615	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1460108	14601...	0.903	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1431091	0.98013	1.291	NO	
22	HxCB-167	359.841	41.88	200.0	3738452	1.30615	1.233	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1116476	0.76465	1.290	NO	
24	HxCB-156	359.841	43.46	200.0	3830700	1.71553	1.223	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1194057	0.81779	1.280	NO	
26	HxCB-157	359.841	43.85	200.0	4035042	1.68964	1.232	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1236150	0.84662	1.277	NO	
28	HxCB-169	359.841	46.06	200.0	2788716	1.12798	1.245	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	970265	0.66452	1.045	NO	
31	HpCB-180	393.803	44.62	200.0	2544786	1.31139	1.039	NO	
32	13C-HpCB-170	405.843	46.61	100.0	776807	0.53202	1.059	NO	
33	HpCB-170	393.803	46.64	200.0	2565555	1.65135	1.038	NO	
34	13C-HpCB-189	405.843	48.48	100.0	978294	0.67001	1.033	NO	
35	HpCB-189	393.803	48.51	200.0	2441050	1.24761	1.041	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	801083	0.54865	0.706	NO	
38	DeCB-209	495.686	53.73	200.0	2145217	1.33895	0.696	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.65	100.0	1659357	1.30626	0.623	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1299028	12990	0.636	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1351021	1.04002	0.809	NO	
4	TeCB-81	289.922	33.82	500.0	10467538	1.54957	0.737	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1453148	1.11864	0.802	NO	
6	TeCB-77	289.922	34.52	500.0	9342494	1.28583	0.722	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1287591	0.99120	0.632	NO	
9	PeCB-123	323.883	36.18	500.0	10139770	1.57500	0.616	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1328216	1.02247	0.649	NO	
11	PeCB-118/106	323.883	36.35	500.0	10574689	1.59231	0.621	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1362567	1.04891	0.632	NO	
13	PeCB-114	323.883	37.15	500.0	11181883	1.64130	0.625	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1270123	0.97775	0.646	NO	
15	PeCB-105/127	323.883	38.21	500.0	9435282	1.48573	0.621	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1336400	1.02877	0.628	NO	
17	PeCB-126	323.883	40.53	500.0	8075162	1.20849	0.619	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1486089	14860	0.895	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1517183	1.02092	1.289	NO	
22	HxCB-167	359.841	41.88	500.0	10605261	1.39802	1.234	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1183364	0.79629	1.304	NO	
24	HxCB-156	359.841	43.46	500.0	10238996	1.73049	1.242	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1255009	0.84450	1.295	NO	
26	HxCB-157	359.841	43.85	500.0	10733652	1.71053	1.230	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1314059	0.88424	1.276	NO	
28	HxCB-169	359.841	46.08	500.0	7303533	1.11160	1.218	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	1014969	0.68298	1.046	NO	
31	HpCB-180	393.803	44.64	500.0	6752054	1.33049	1.042	NO	
32	13C-HpCB-170	405.843	46.62	100.0	827947	0.55713	1.061	NO	
33	HpCB-170	393.803	46.64	500.0	6789976	1.64019	1.040	NO	
34	13C-HpCB-189	405.843	48.50	100.0	1042716	0.70165	1.045	NO	
35	HpCB-189	393.803	48.51	500.0	6512169	1.24908	1.047	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	841659	0.56636	0.703	NO	
38	DeCB-209	495.686	53.73	500.0	5672044	1.34782	0.701	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.67	100.0	1673672	1.27084	0.628	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Sample List: C:\MassLynx\Default pro\Sampled\16JL0910D5 SPL  
Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

	File Name	File Text	Sample ID	Metht/Matrix	BOX #	Sample Size	Unit	FV_ut
1	16JL0910D5_1	Solvent Blank C-12	SB0716	---	---	1.000000	---	1.00
2	16JL0910D5_2	CS-1 09DXN205	ST0716	---	---	1.000000	---	1.00
3	16JL0910D5_3	CS-2 09DXN206	ST0716A	---	---	1.000000	---	1.00
4	16JL0910D5_4	CS-3 09DXN207	ST0716B	---	---	1.000000	---	1.00
5	16JL0910D5_5	CS-4 09DXN208	ST0716C	---	---	1.000000	---	1.00
6	16JL0910D5_6	CS-5 09DXN209	ST0716D	---	---	1.000000	---	1.00
7	16JL0910D5_7	Solvent Blank C-12	SB0716A	---	---	1.000000	---	1.00
8	16JL0910D5_8	2nd Source 09DXN196	ST0716E	1668	---	1.000000	---	1.00
9	16JL0910D5_9	CS-3 09DXN207	ST0716F	---	---	1.000000	---	1.00
10	16JL0910D5_10	Solvent Blank C-12	SB0716B	---	---	1.000000	---	1.00
11	16JL0910D5_11	G9G020271-1MB	LF612-1-AAB	1668/SOLID	89	10.000000	g	20
12	16JL0910D5_12	G9G020271-1LCS	LF612-1-ACC	1668/SOLID	---	10.000000	g	20
13	16JL0910D5_13	G9G020271-1	LF16J-1-AC	1668/SOLID	---	10.030000	g	20
14	16JL0910D5_14	G9G020271-2	LF16K-1-AC	1668/SOLID	---	10.075000	g	20
15	16JL0910D5_15	G9G020271-3	LF16L-1-AC	1668/SOLID	---	10.450000	g	20
16	16JL0910D5_16	G9G020275-1	LF162-1-AC	1668/SOLID	---	10.195000	g	20
17	16JL0910D5_17	G9G020275-2	LF166-1-AC	1668/SOLID	---	10.225000	g	20
18	16JL0910D5_18	G9G020275-3	LF168-1-AC	1668/SOLID	---	10.205000	g	20
19	16JL0910D5_19	G9G020275-4	LF169-1-AC	1668/SOLID	---	10.085000	g	20
20	16JL0910D5_20	G9G020280-1	LF172-1-AC	1668/SOLID	---	10.265000	g	20
21	16JL0910D5_21	G9G020280-2	LF174-1-AC	1668/SOLID	---	10.340000	g	20
22	16JL0910D5_22	G9G020280-3	LF176-1-AC	1668/SOLID	---	10.040000	g	20
23	16JL0910D5_23	Solvent Blank C-12	SB0716C	---	---	1.000000	---	1.00

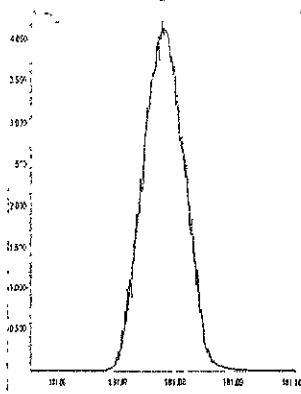
reviewed  
by  
MCS  
7/17/09

Sample List: C:\WassLynx\Default.pro\Sampled\b\16JL0910D5.SPL  
 Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
 Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

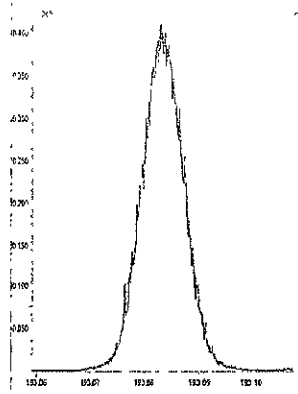
Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:2	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	1	2	100	100
Tray1:3	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	5	10	100	100
Tray1:4	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:5	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	200	400	100	100
Tray1:6	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	500	1000	100	100
Tray1:7	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:10	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:11	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:16	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---

Conc E	Conc F	Conc G	Conc H
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100	---	---	---
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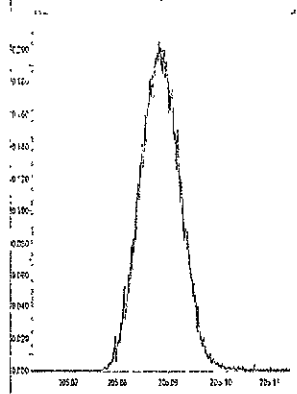
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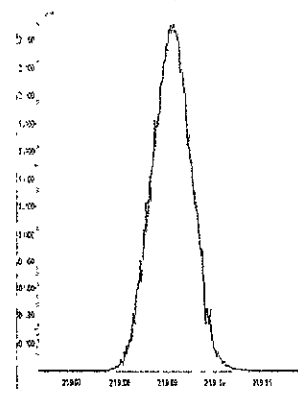
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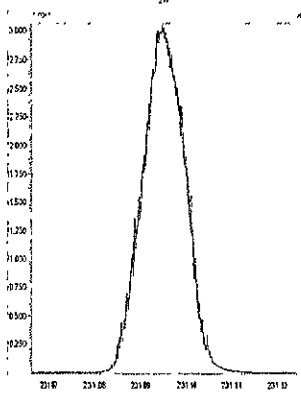
M 204.9888 R 11494



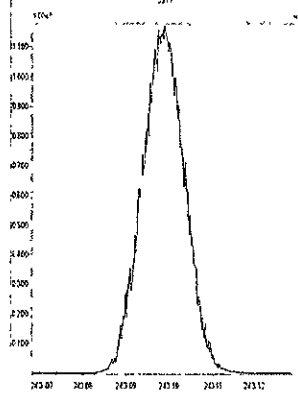
M 218.9856 R 11766



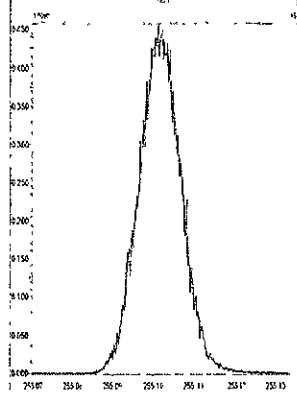
M 230.9856 R 11236



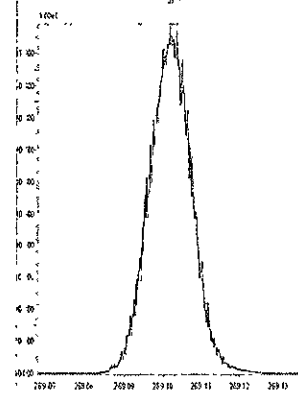
M 242.9856 R 11235



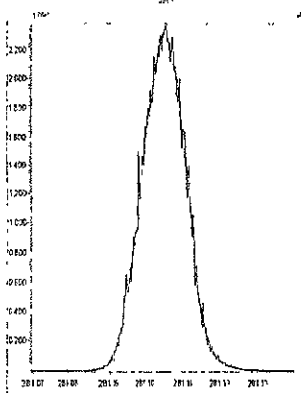
M 254.9856 R 11172



M 268.9824 R 10692



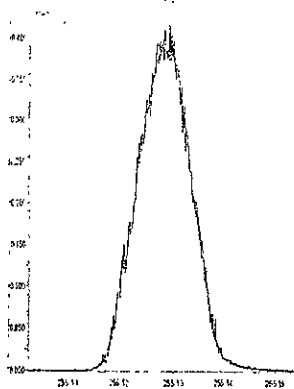
M 280.9824 R 10308



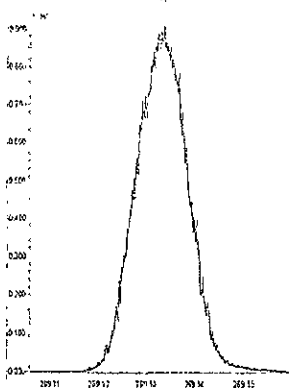
File: Experiment 1658M10D5 exp Reference: pk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, July 16, 2009 11:40:41 Pacific Daylight Time

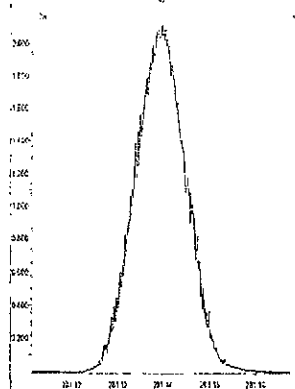
M 254.9856 R 11520



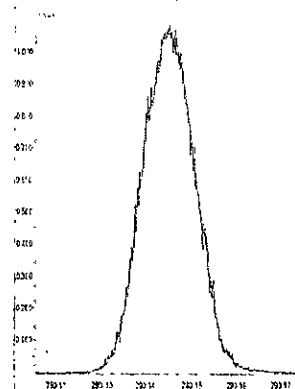
M 268.9824 R 11420



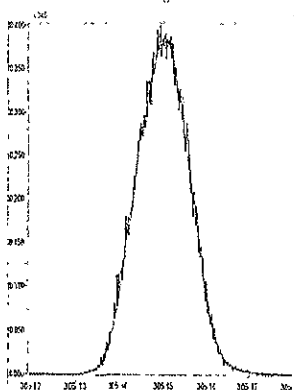
M 280.9824 R 11113



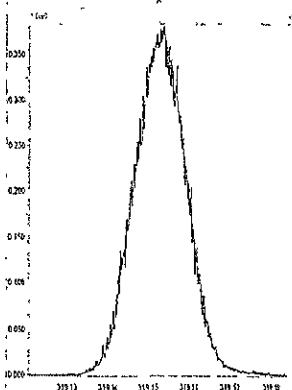
M 292.9824 R 11211



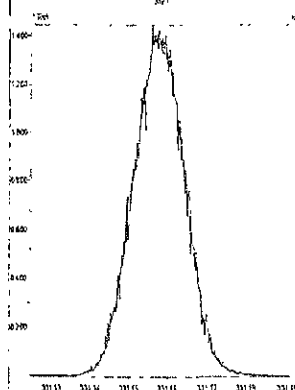
M 304.9824 R 11159



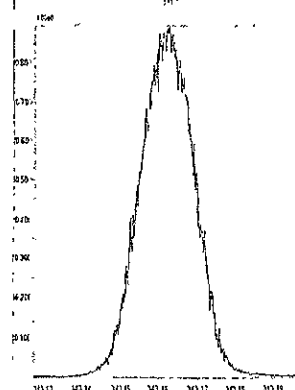
M 318.9792 R 11059



M 330.9792 R 11063



M 342.9792 R 11260

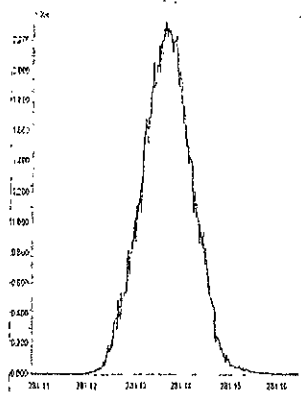




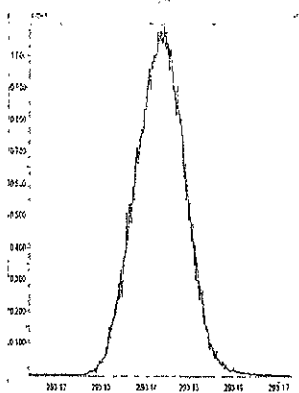
File: Experiment: 1668M10D5.exp Reference: plk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, July 16, 2009 11:41:17 Pacific Daylight Time

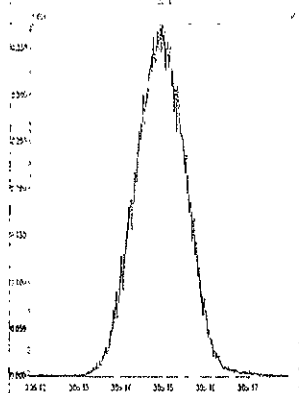
M 280.9824 R 11412



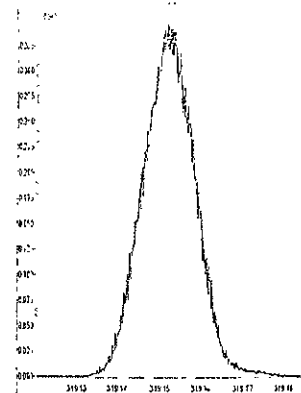
M 292.9824 R 11313



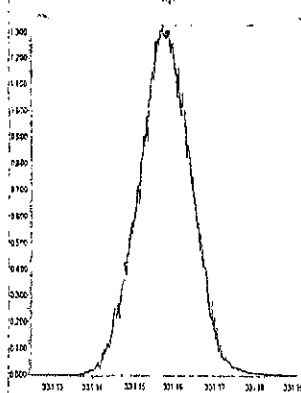
M 304.9824 R 11110



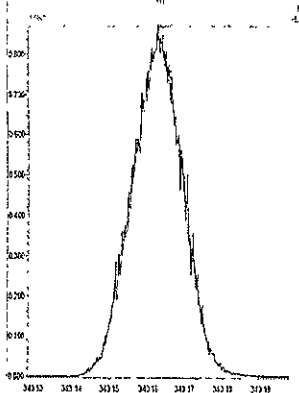
M 318.9792 R 11366



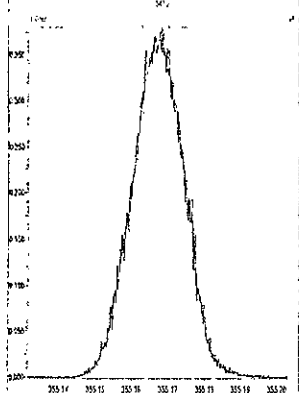
M 330.9792 R 11212



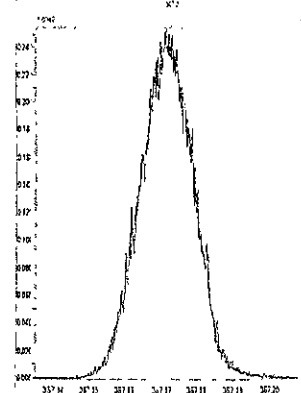
M 342.9792 R 11210



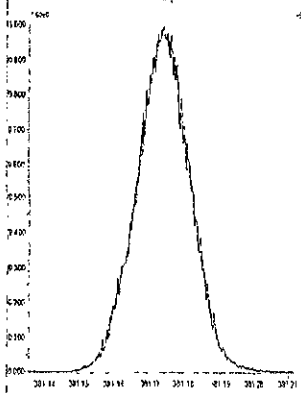
M 354.9792 R 11016



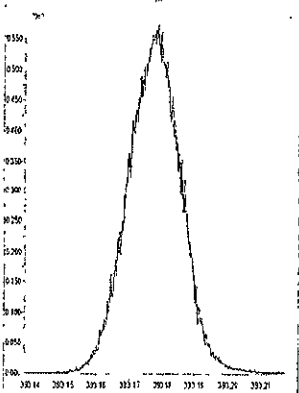
M 366.9792 R 11107



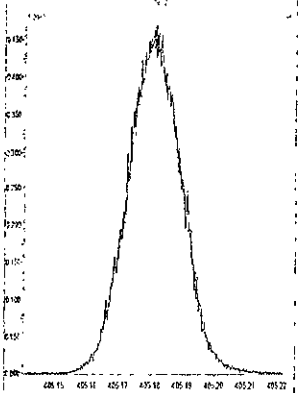
M 380.9760 R 10818



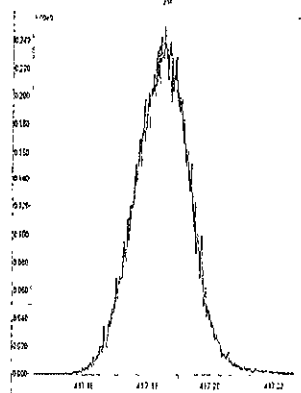
M 392.9760 R 10592



M 404.9760 R 10505



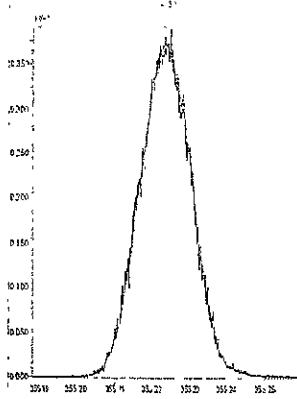
M 416.9760 R 10729



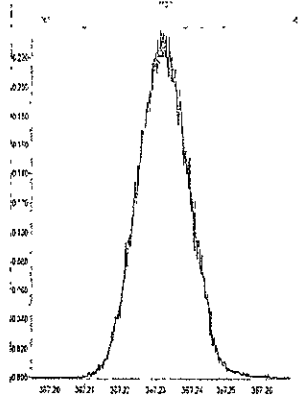
File: Experiment: 1668M10D5 exp Reference pfk ref Function: 4 @ 200 (ppm)

Printed: Thursday, July 16, 2009 11:42:47 Pacific Daylight Time

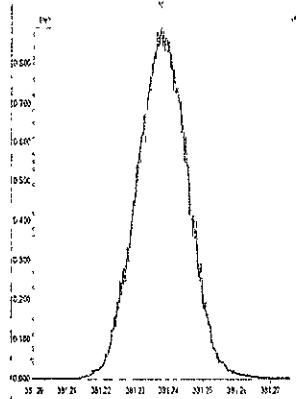
M 354.9792 R 11111



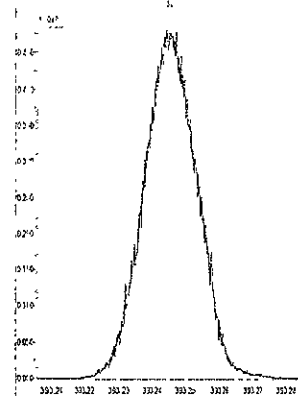
M 366.9792 R 11310



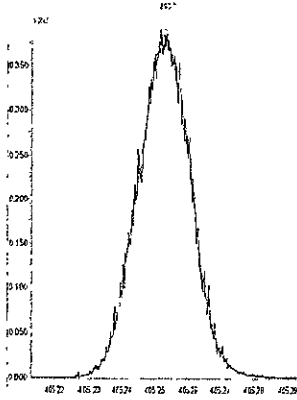
M 380.9760 R 11208



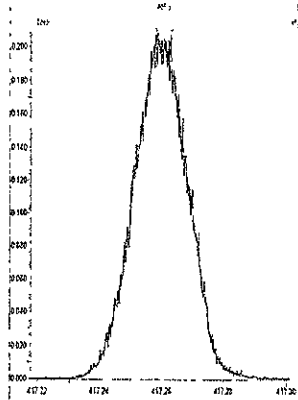
M 392.9760 R 11013



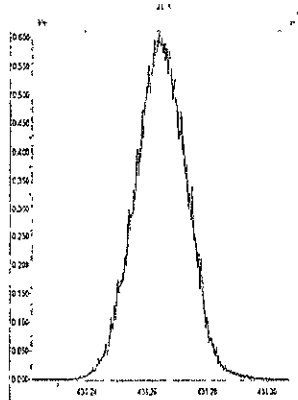
M 404.9760 R 10503



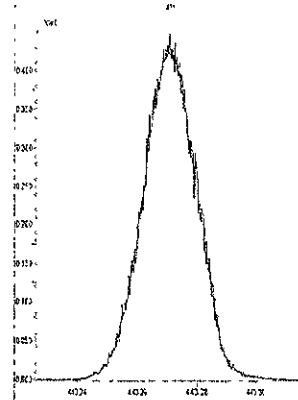
M 416.9760 R 10636



M 430.9728 R 10918



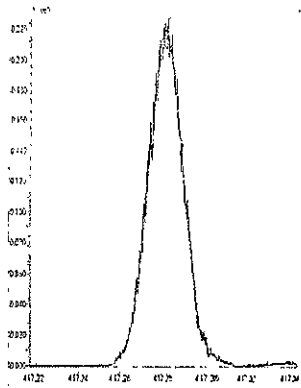
M 442.9728 R 10917



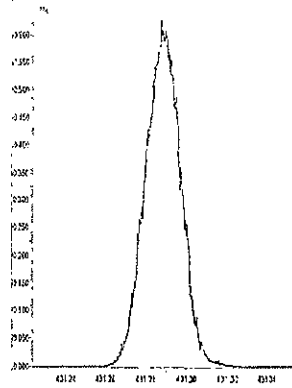
File: Experiment: 1668M10D5 exp Reference: dfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, July 16, 2009 11:43:38 Pacific Daylight Time

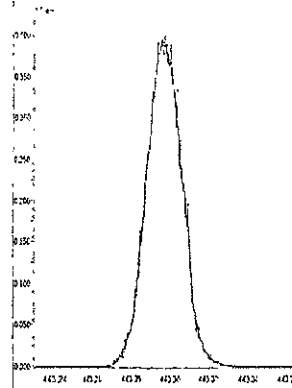
M 416.9760 R 11185



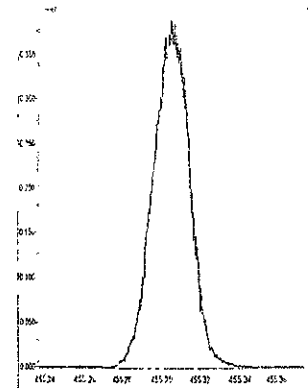
M 430.9723 R 10752



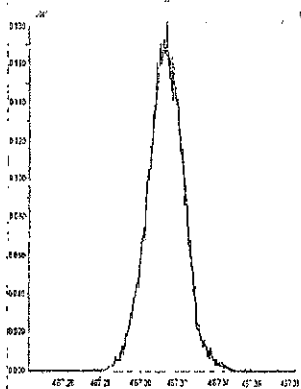
M 442.9728 R 10752



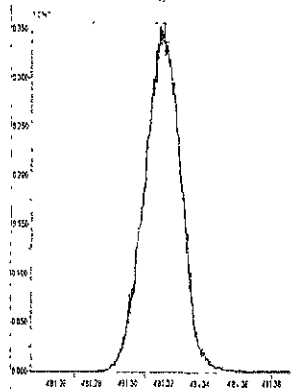
M 454.9728 R 10615



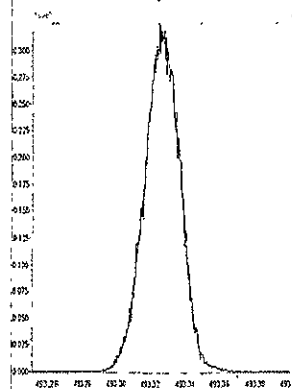
M 466.9728 R 10892



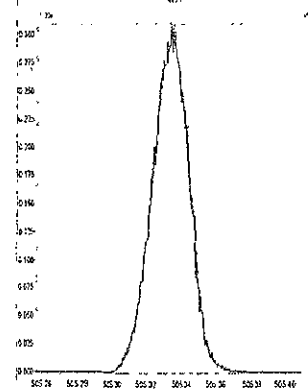
M 480.9696 R 10614



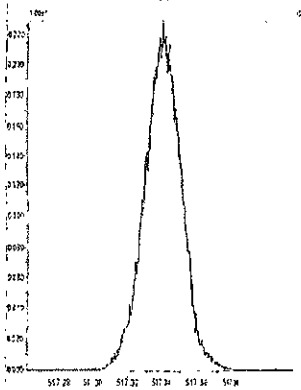
M 492.9696 R 10547



M 504.9696 R 10617



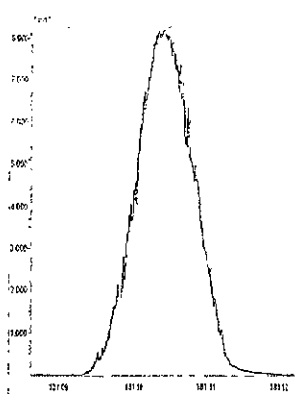
M 516.9697 R 10547



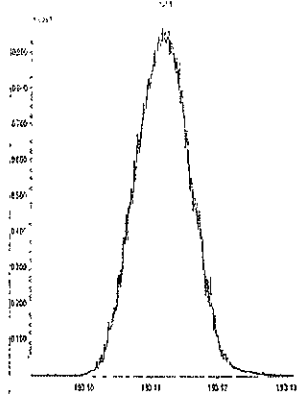
File: Experiment.1668M10D5 exp Reference: pk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, July 16, 2009 20.24.50 Pacific Daylight Time

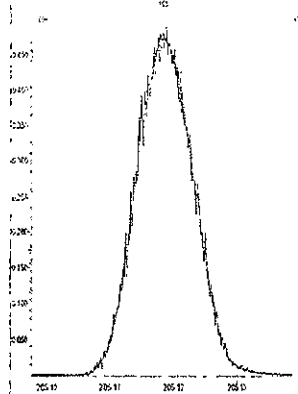
M 180.9888 R 10459



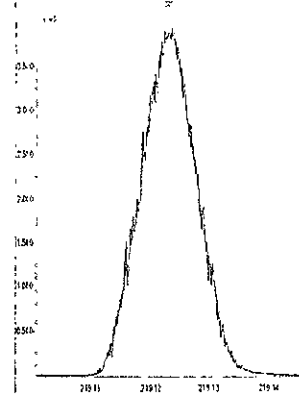
M 192.9888 R 10504



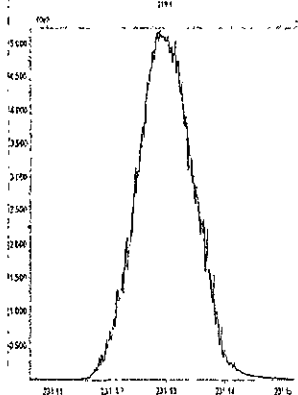
M 204.9888 R 10462



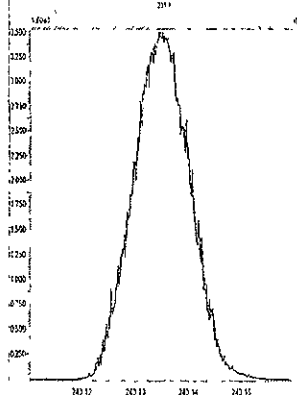
M 218.9856 R 10330



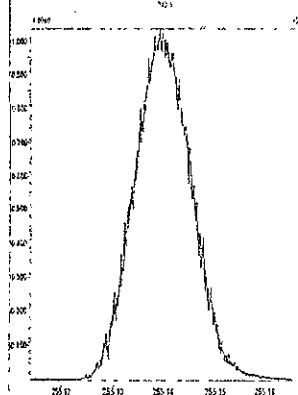
M 230.9856 R 10375



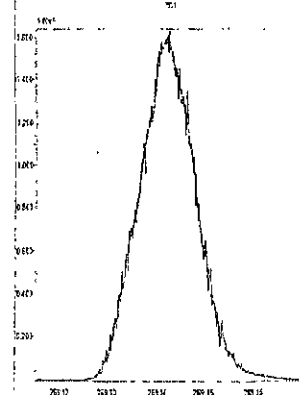
M 242.9856 R 10372



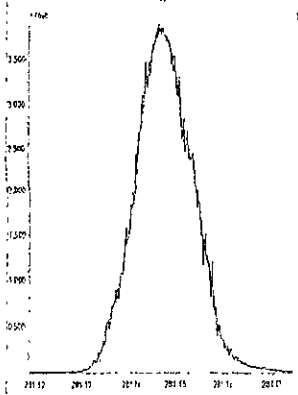
M 254.9856 R 10246



M 268.9824 R 10039



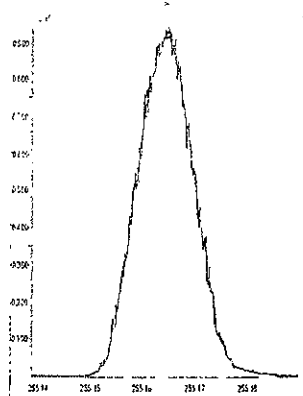
M 280.9824 R 10207



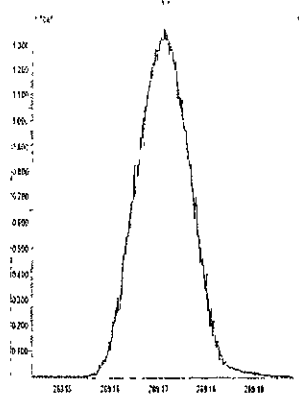
File: Experiment 1668M10D5 exp Reference.pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, July 16, 2009 20:26:23 Pacific Daylight Time

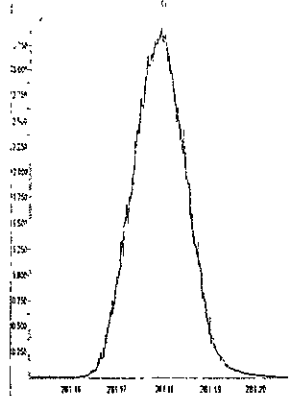
M 254.9824 R 10777



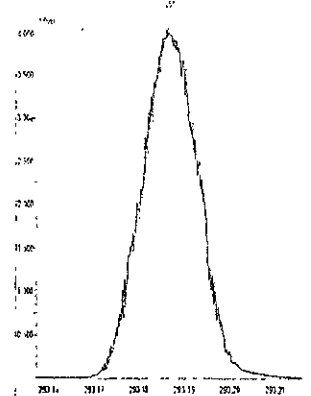
M 268.9824 R 10965



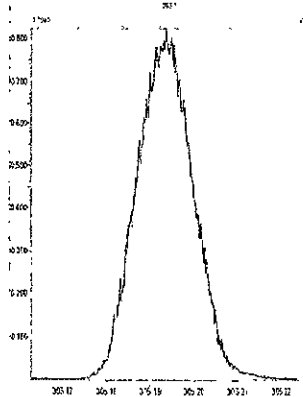
M 280.9824 R 10963



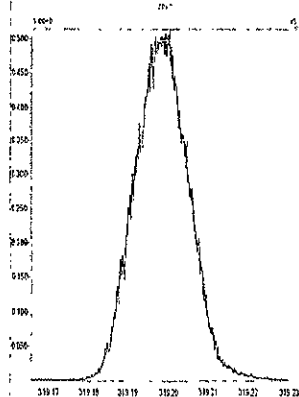
M 292.9824 R 10967



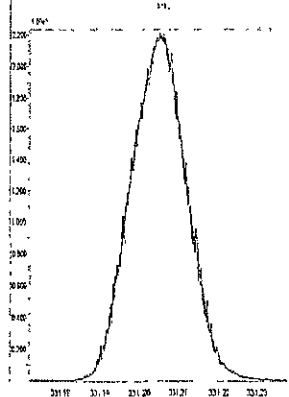
M 304.9824 R 10724



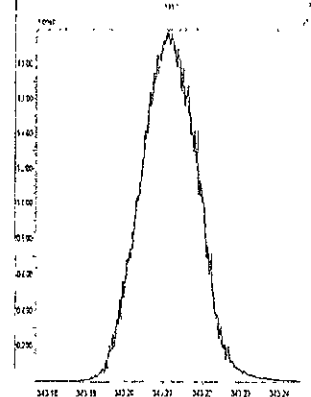
M 318.9792 R 10592



M 330.9792 R 10872



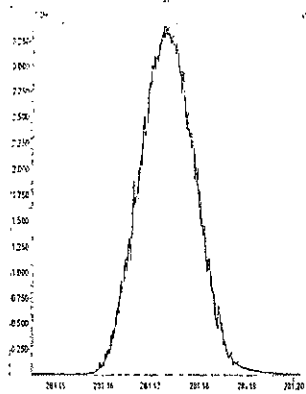
M 342.9792 R 10505



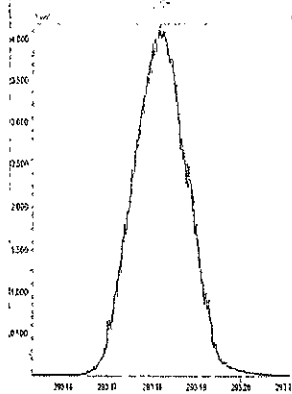
File: Experiment: 1668M10D5 exp Reference: pfk ref Function: 3 @ 230 (ppm)

Printed Thursday, July 16, 2009 20:32 05 Pacific Daylight Time

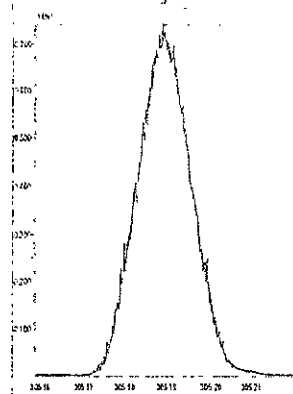
M 280.9824 R 10779



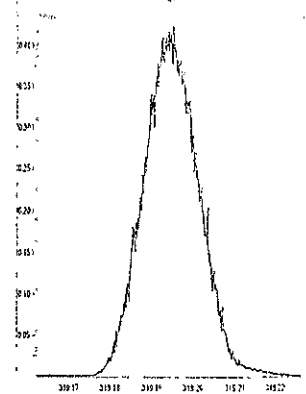
M 292.9824 R 11009



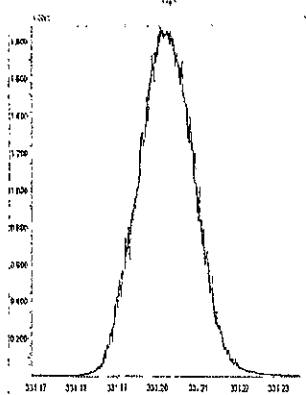
M 304.9824 R 10870



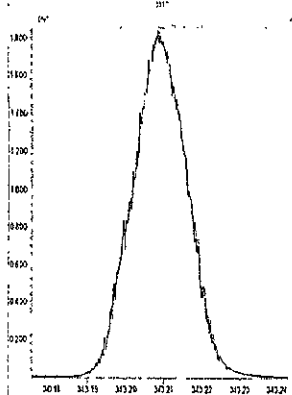
M 318.9792 R 10637



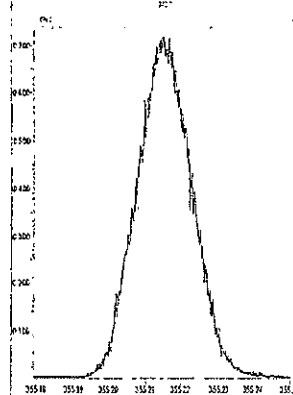
M 330.9792 R 10681



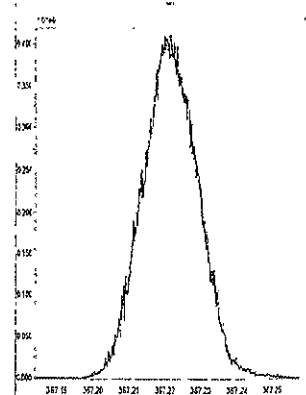
M 342.9792 R 10639



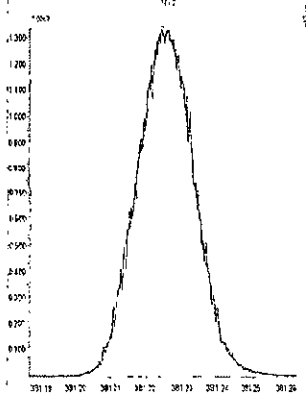
M 354.9792 R 10464



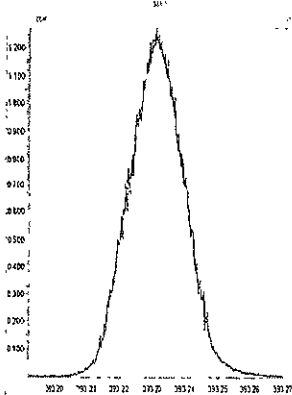
M 366.9792 R 10867



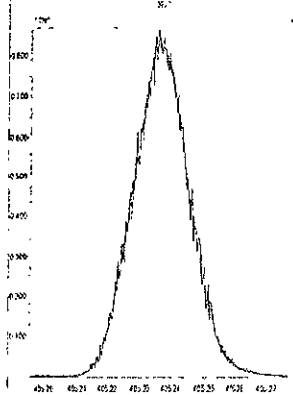
M 380.9760 R 10328



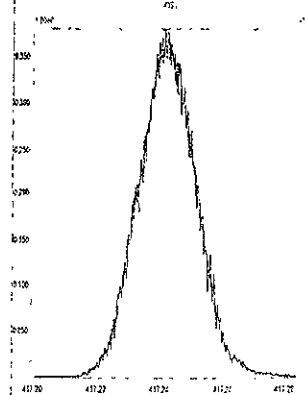
M 392.9760 R 10330



M 404.9760 R 10124



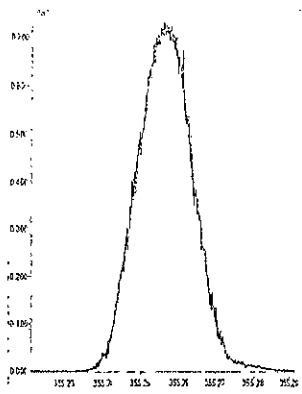
M 416.9760 R 10243



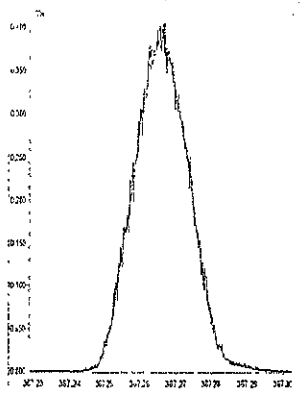
File: Experiment 1668M10D5 exp Reference: pik.ref Function: 4 @ 200 (ppm)

Printed: Thursday, July 16, 2009 20:33:29 Pacific Daylight Time

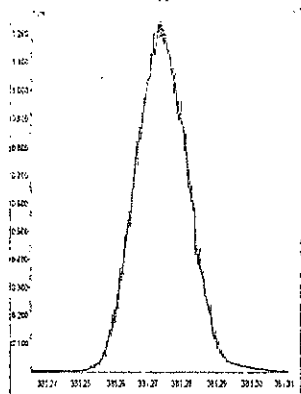
M 354.9792 R 11062



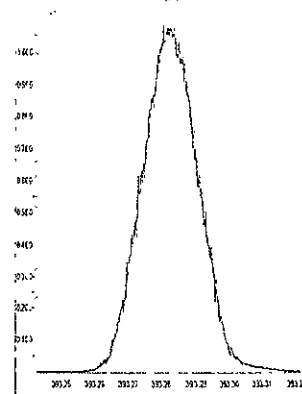
M 366.9792 R 10869



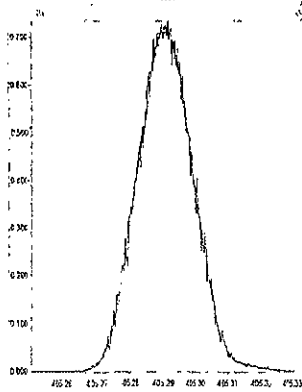
M 380.9760 R 10915



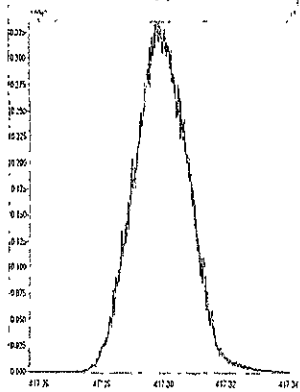
M 392.9760 R 10564



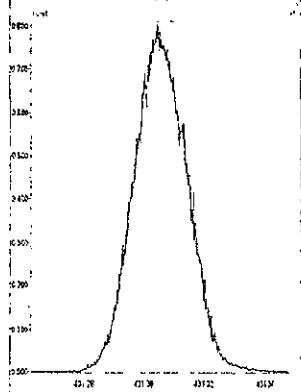
M 404.9760 R 10548



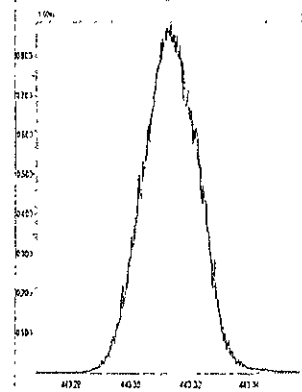
M 416.9760 R 10728



M 430.9728 R 10415



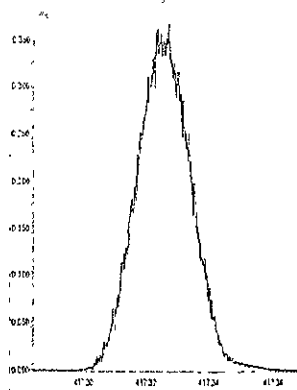
M 442.9728 R 10639



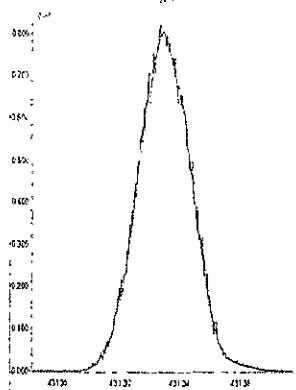
File: Experiment 1668M10D5 exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, July 16, 2009 20:34:38 Pacific Daylight Time

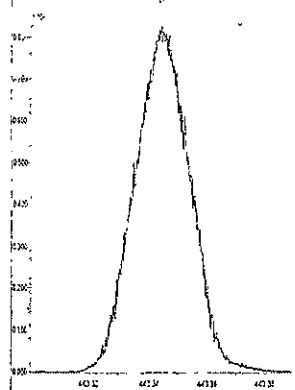
M 416.9760 R 10822



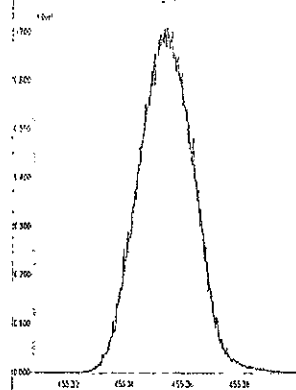
M 430.9728 R 10728



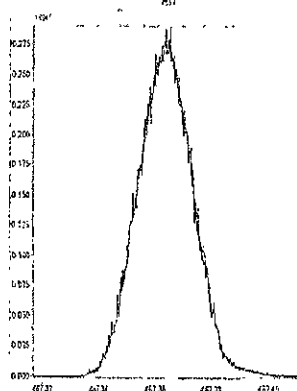
M 442.9728 R 10918



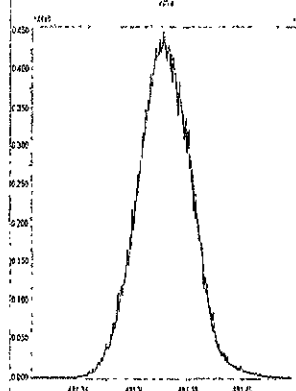
M 454.9728 R 10460



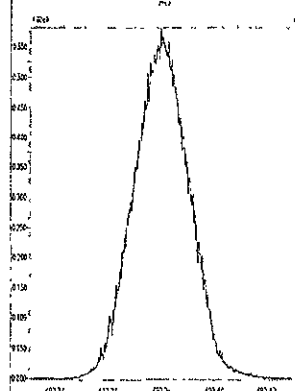
M 466.9728 R 10416



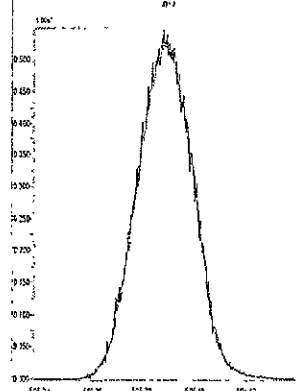
M 480.9696 R 10415



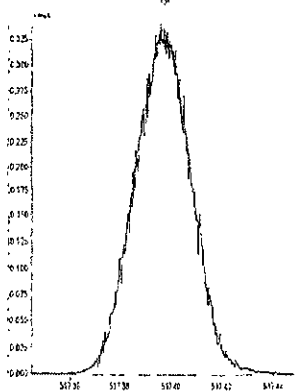
M 492.9696 R 10458



M 504.9696 R 10638



M 516.9697 R 10206





Quantify Sample Report      MassLynx 4.1

Dataset:      C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19  
Calibration: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

Quantify Sample Report MassLynx 4.1

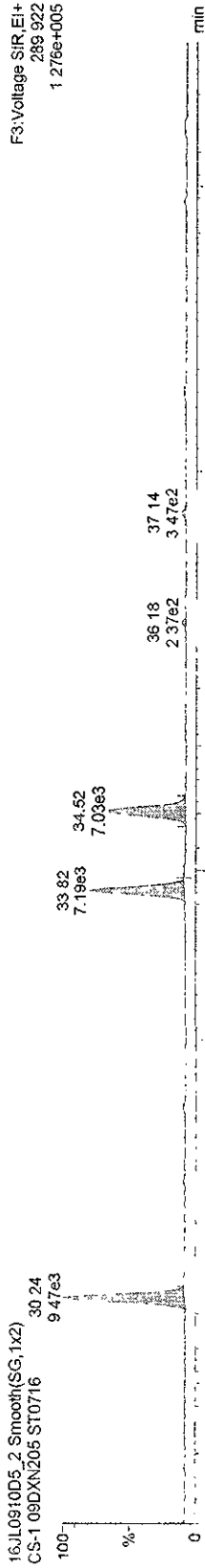
Dataset: C:\MassLynx\Default pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

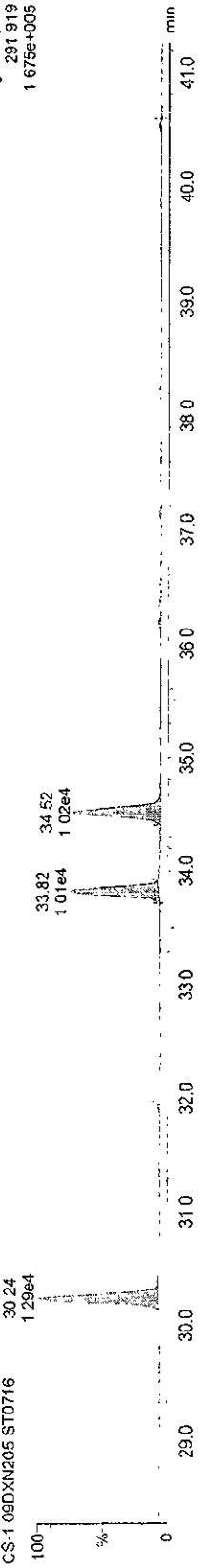
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

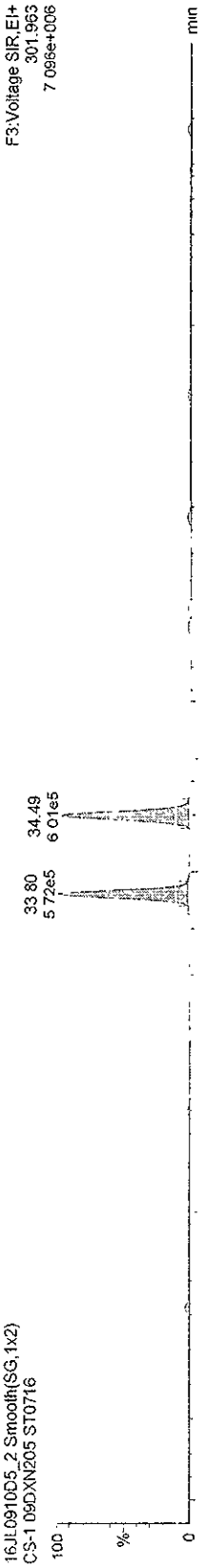
TetraPCBs



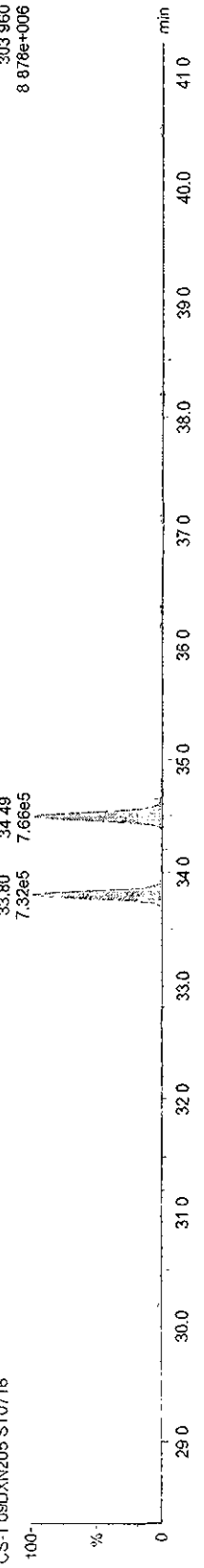
13C-TetrasPCBs



16JL0910D5\_2



16JL0910D5\_2



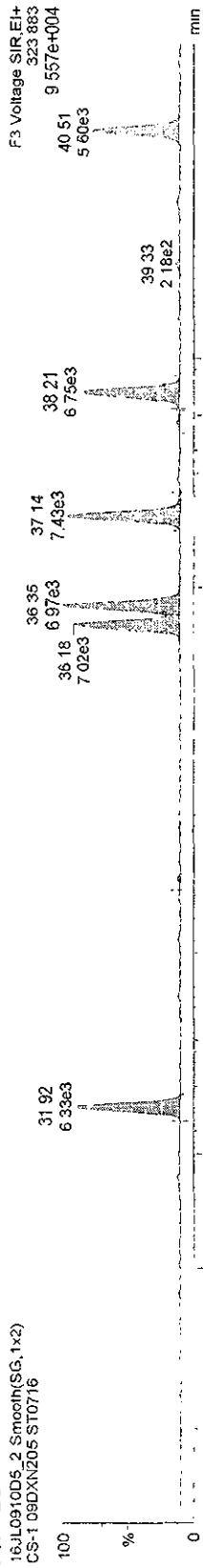
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\IC\A0716200910D51668MSLDEC.qtd

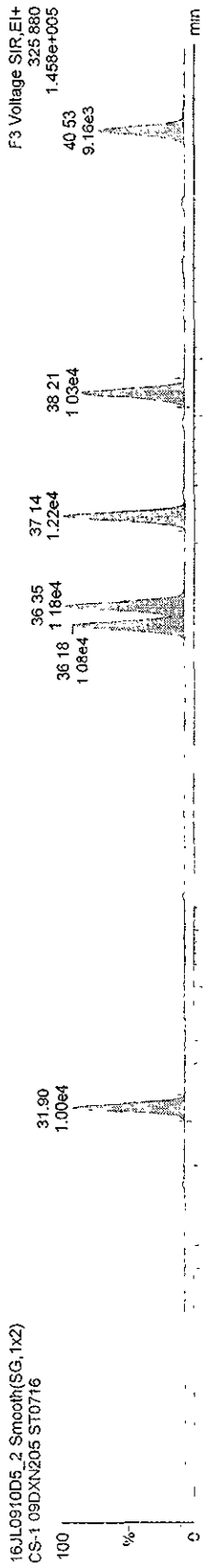
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

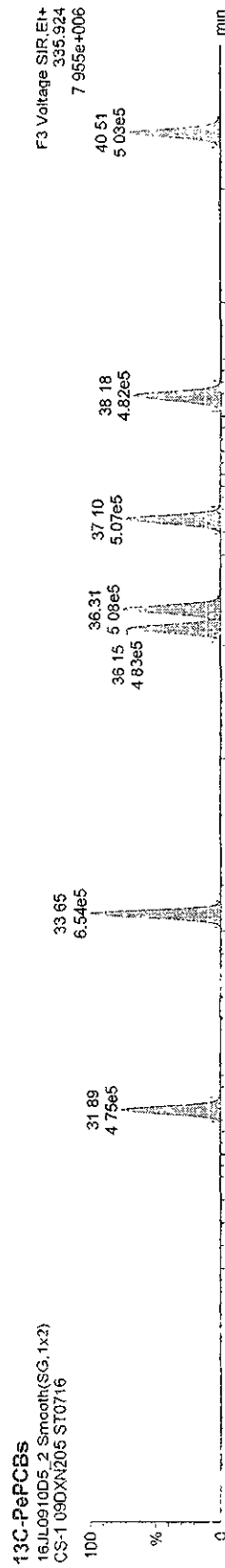
PePCBs



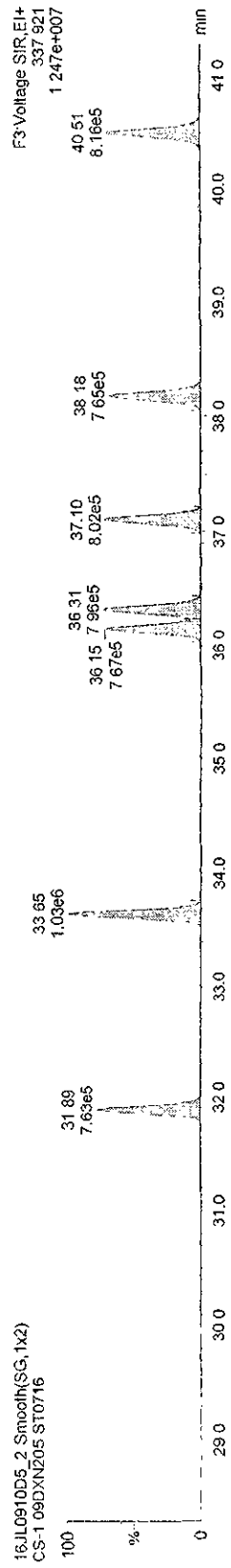
13C-PePCBs



13C-PePCBs



13C-PePCBs



Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default.pro\IC-A0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

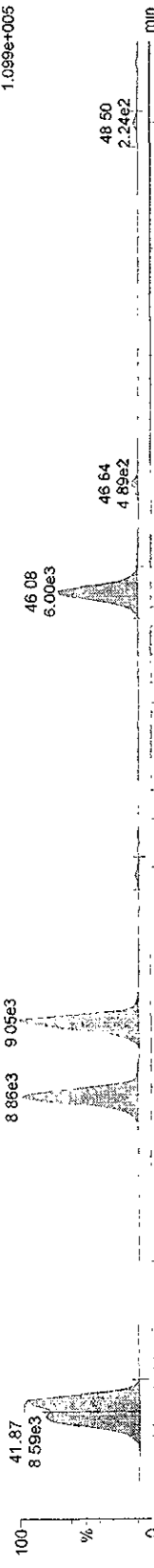
HxCPCBs-

16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



F4 Voltage SIR, EI+  
359 841  
1.420e+005

16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



F4 Voltage SIR, EI+  
361 839  
1.089e+005

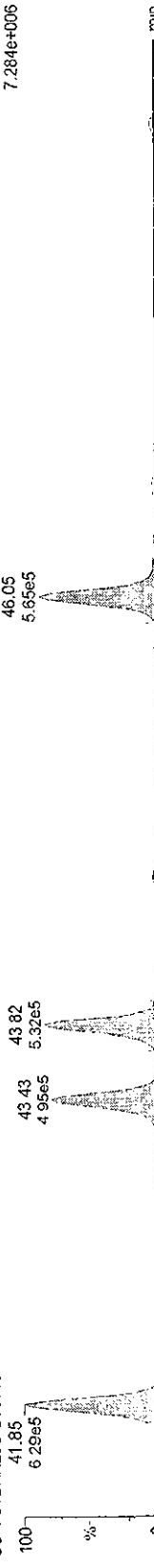
13C-HxCBs

16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



F4 Voltage SIR, EI+  
371 882  
9.263e+006

16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



F4 Voltage SIR, EI+  
373 879  
7.284e+006

Quantify Sample Report MassLynx 4.1

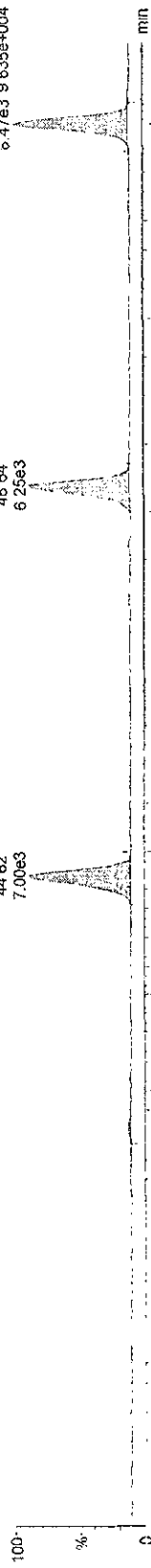
Dataset C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

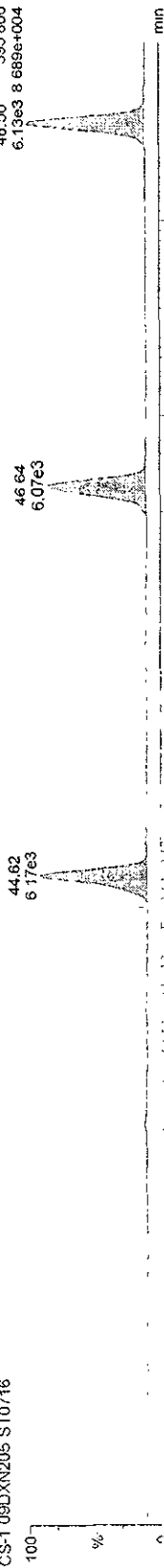
HpPCBs

16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



F4 Voltage SIR, EI+  
48.50 393.803  
6.47e3 9.635e+004

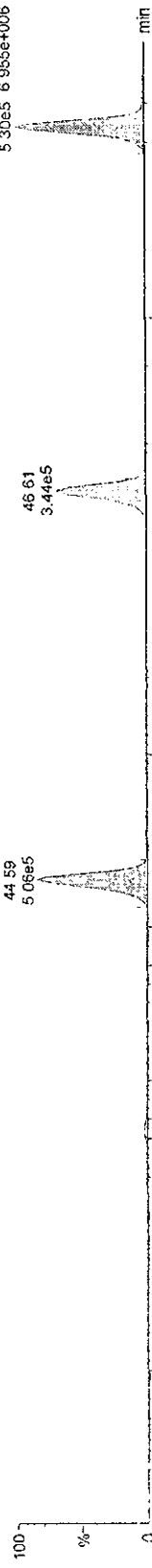
16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



F4 Voltage SIR, EI+  
48.50 395.800  
6.13e3 8.689e+004

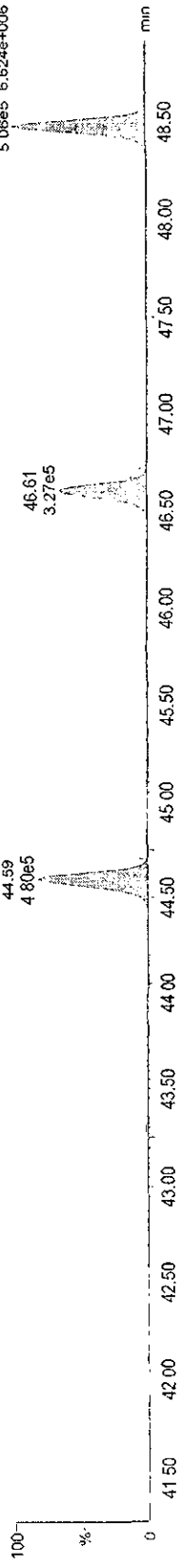
13C-HpPCBs

16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



F4 Voltage SIR, EI+  
48.48 405.843  
5.30e5 6.955e+006

16JL0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



F4 Voltage SIR, EI+  
48.48 407.840  
5.06e5 6.624e+006

Dataset: C:\MassLynx\Default.pro\IC\A0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

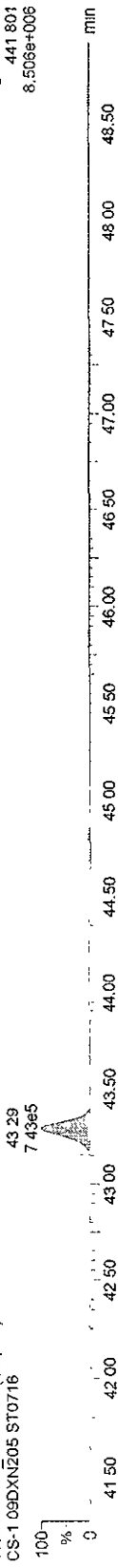
Name: 16.JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

13C-OcCB-202

16.JL0910D5\_2\_Smooth(SG,1x2)  
CS-1 09DXN205 ST0716

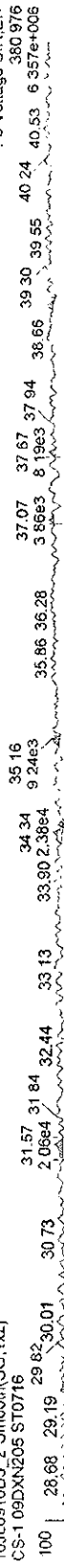


16.JL0910D5\_2\_Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



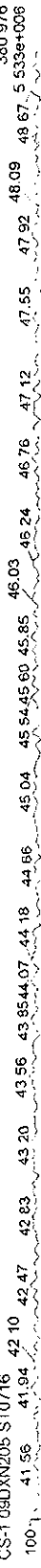
Function 3 PFK

16.JL0910D5\_2\_Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



Function 4 PFK

16.JL0910D5\_2\_Smooth(SG,1x2)  
CS-1 09DXN205 ST0716

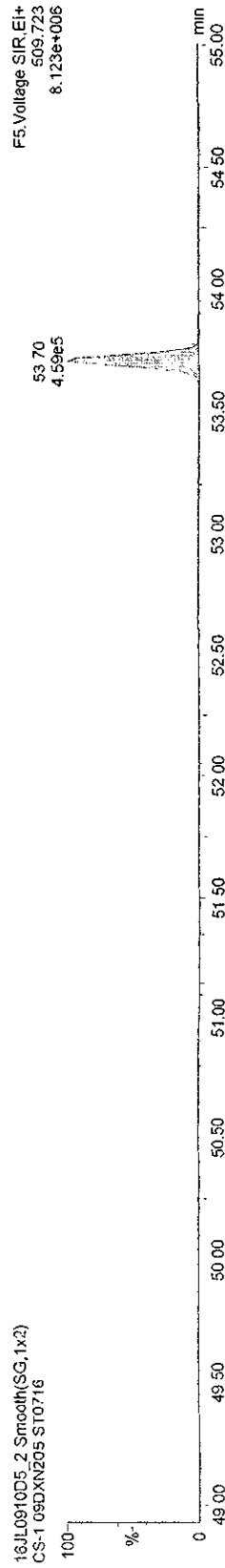
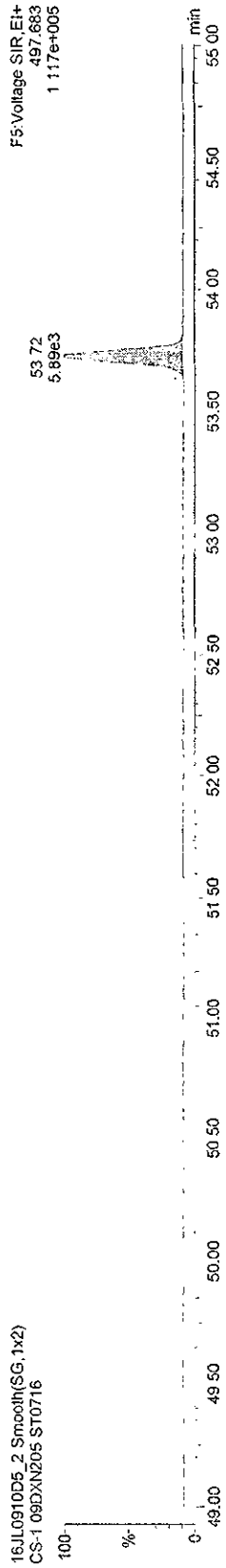
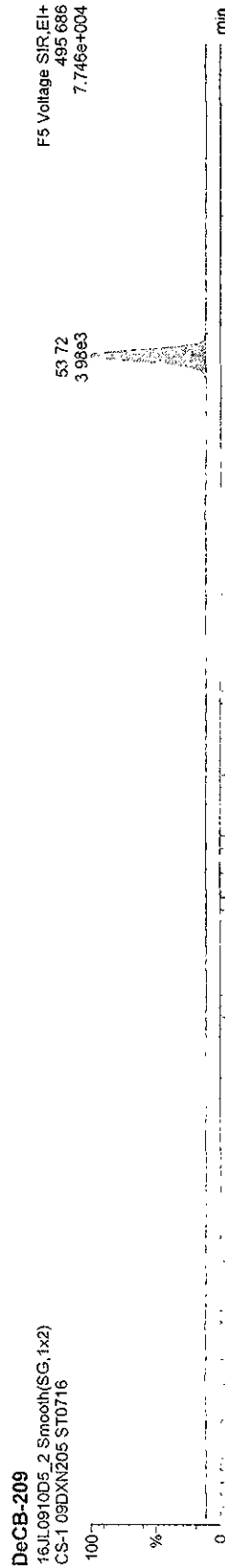


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\IC\A0716200910D51668M\SLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

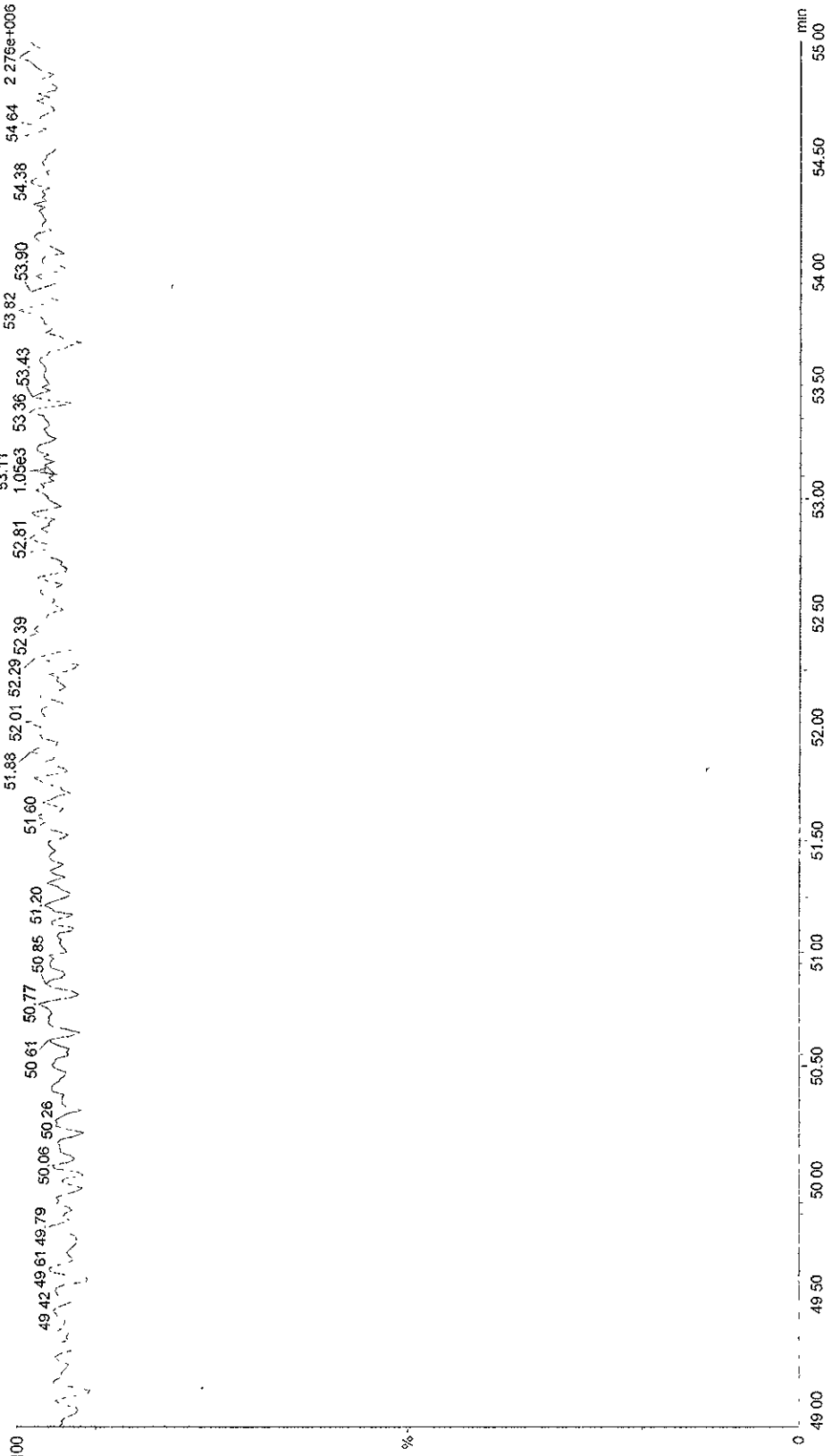
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

Function 5 PFK

16.JL0910D5\_2\_Smooth(SG,1x2)

CS-1 09DXN205 ST0716





Quantify Sample Report      MassLynx 4.1

Dataset:      C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qtd

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

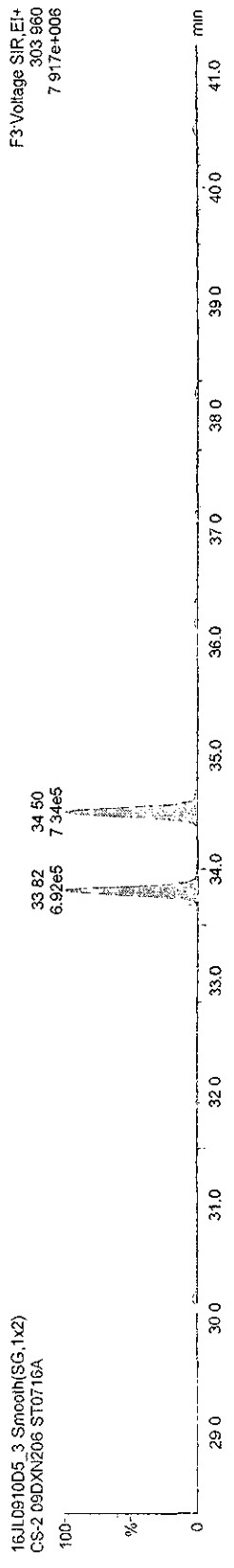
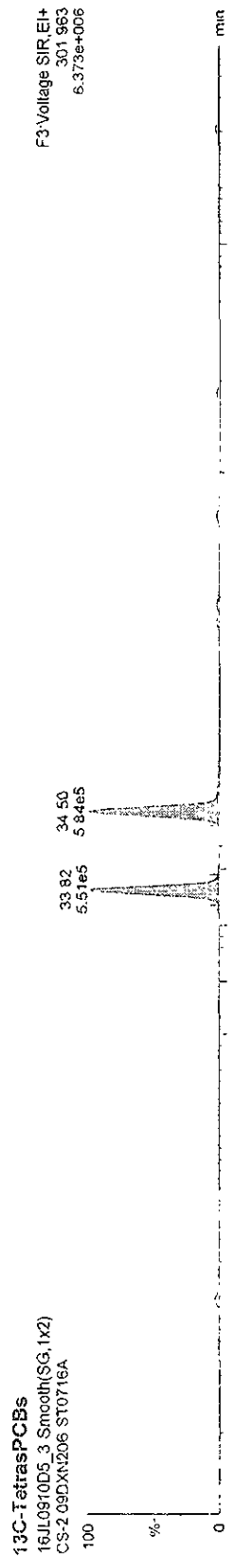
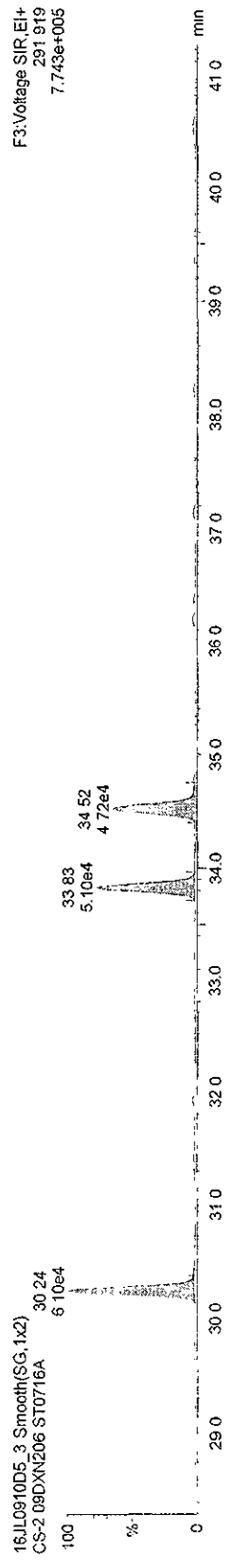
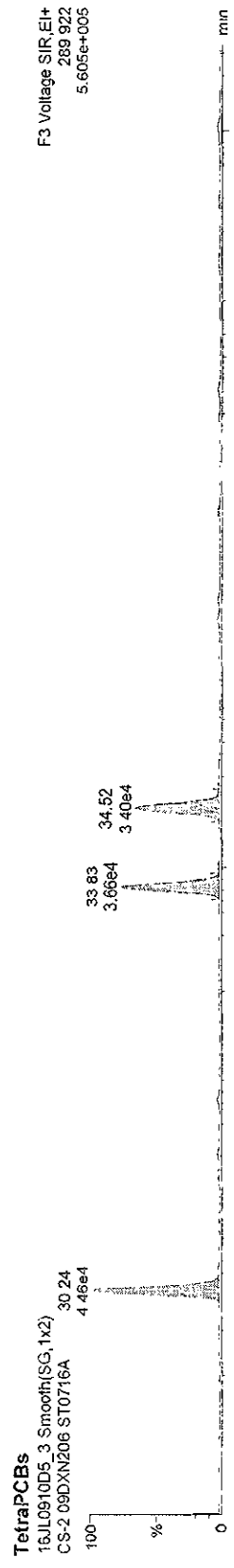
Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2.09DXN206



Quantify Sample Report **MassLynx 4.1**

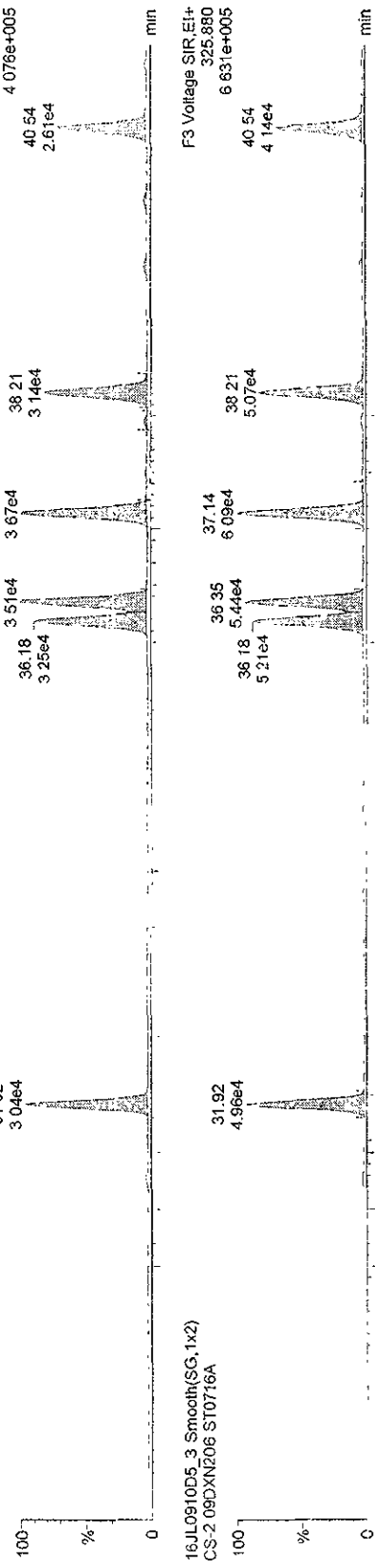
Dataset: C:\MassLynx\Default\prol\CA0716200910D51668M\SLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

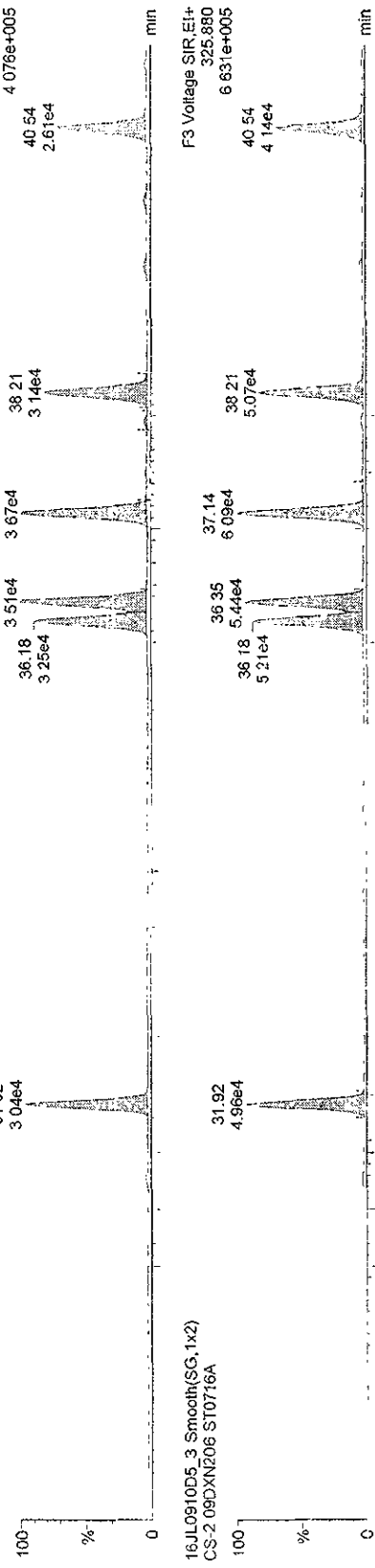
**PePCBs**

16.JL0910D5\_3\_Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A



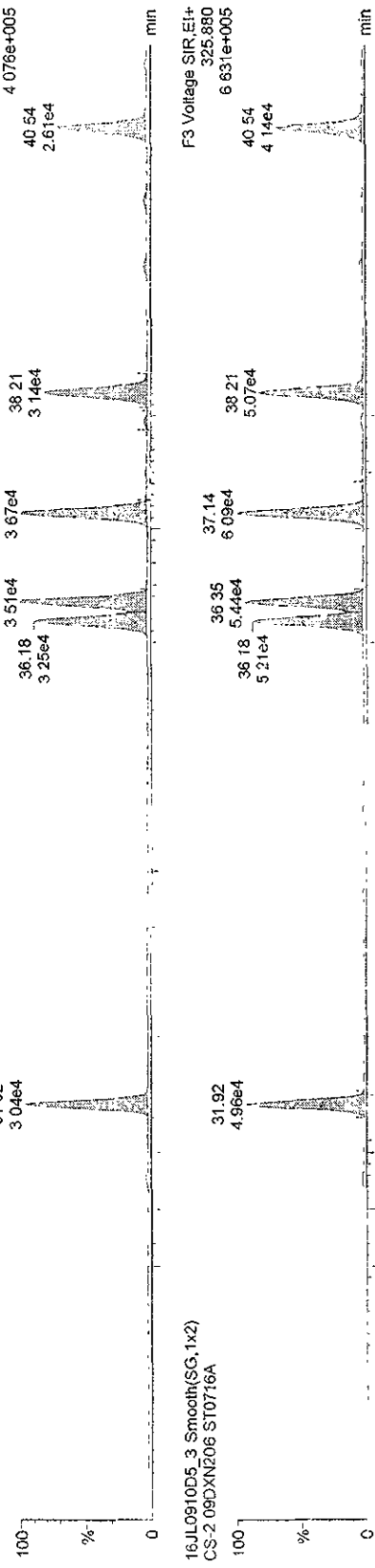
**13C-PePCBs**

16.JL0910D5\_3\_Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A



**13C-PePCBs**

16.JL0910D5\_3\_Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A



Quantify Sample Report

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qid

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

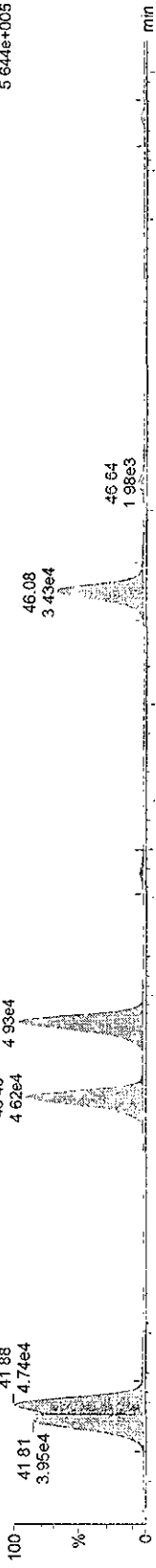
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.LJL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

HxPCBs-

16.LJL0910D5\_3\_Smooth(SG,1x2)

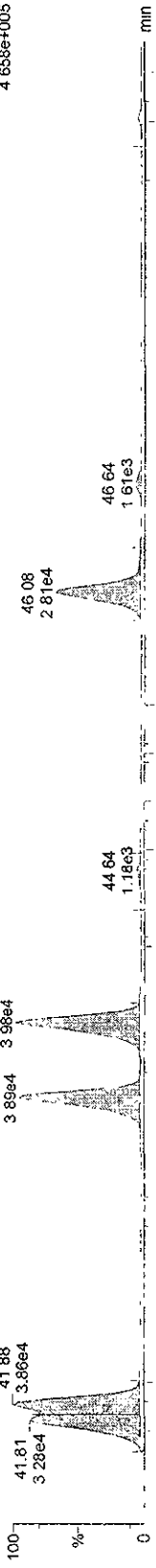
CS-2 09DXN206 ST0716A



F4 Voltage SIR, EI+  
359.841  
5.644e+005

16.LJL0910D5\_3\_Smooth(SG,1x2)

CS-2 09DXN206 ST0716A

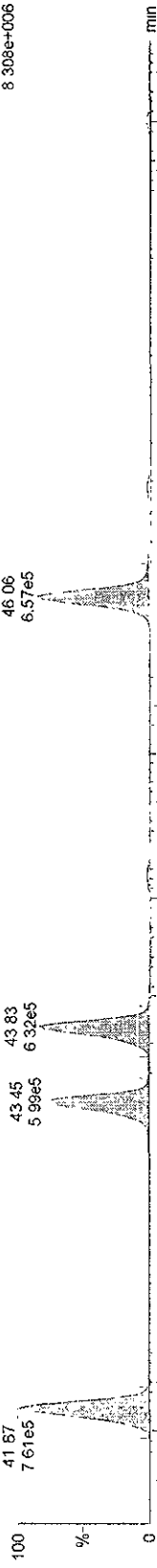


F4 Voltage SIR, EI+  
361.839  
4.668e+005

13C-HxPCBs

16.LJL0910D5\_3\_Smooth(SG,1x2)

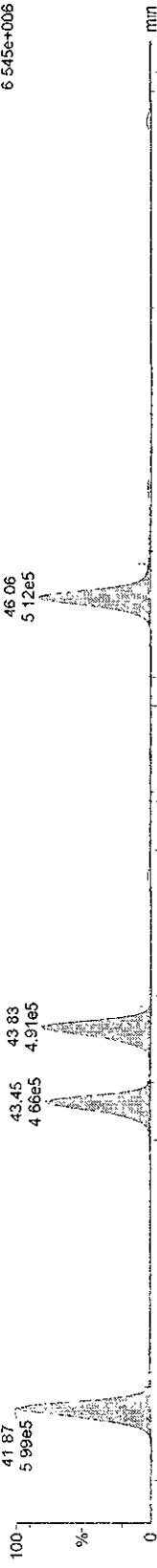
CS-2 09DXN206 ST0716A



F4 Voltage SIR, EI+  
371.882  
8.308e+006

16.LJL0910D5\_3\_Smooth(SG,1x2)

CS-2 09DXN206 ST0716A

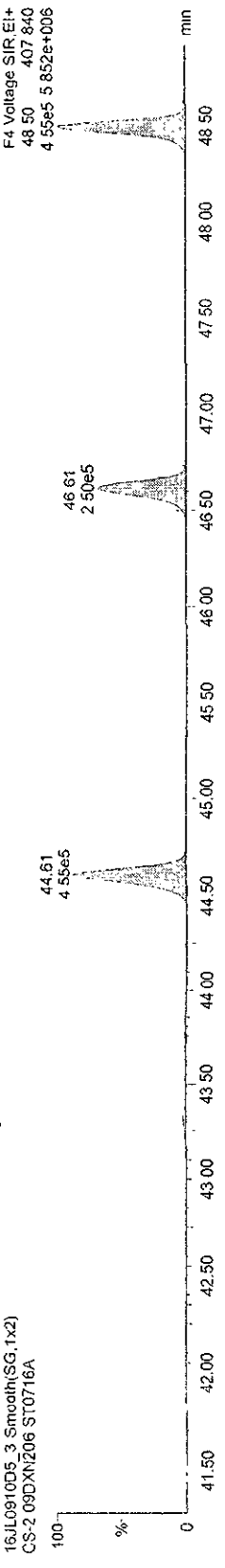
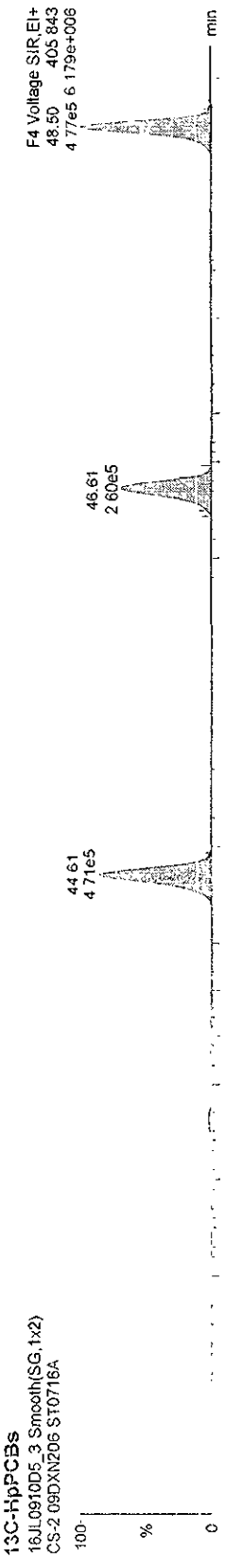
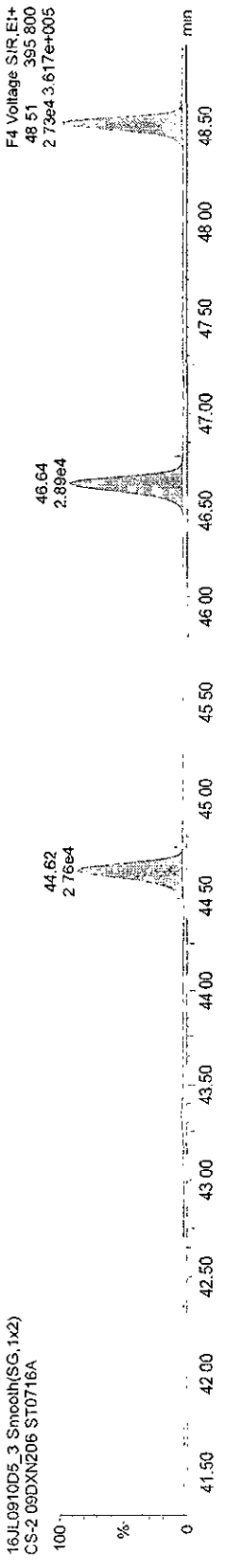
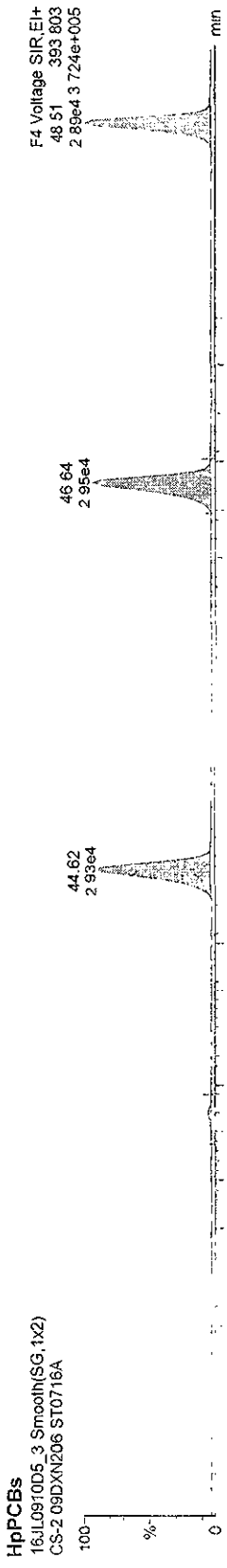


F4 Voltage SIR, EI+  
373.879  
6.545e+006

Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default pro\CA0716200910D51668MSLDEC.qld  
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\CA0716200910D51658MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

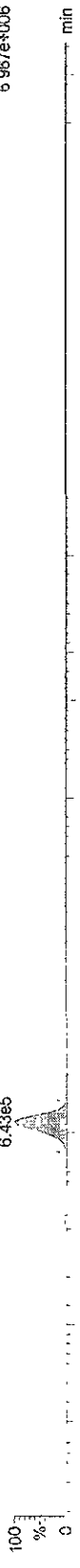
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

13C-OCB-202

16.JL0910D5\_3 Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A

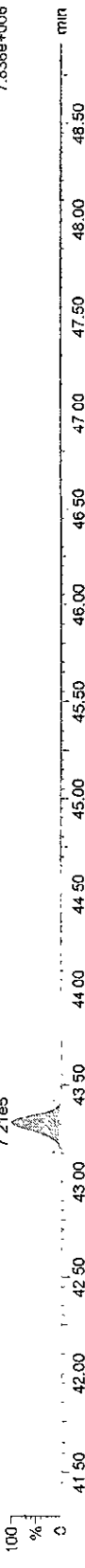
43.31  
6.43e5



F4 Voltage SIR, EI+  
439.804  
6.967e+006

16.JL0910D5\_3 Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A

43.31  
7.21e5



F4 Voltage SIR, EI+  
441.801  
7.836e+006

Function 3 PFK

16.JL0910D5\_3 Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A

100 28.33 29.10 29.62 30.04 30.38 31.08 31.67 32.04 32.73 33.66 34.32 34.79 35.43 36.18 36.60 37.34 38.04 38.33 39.33 8.93e3 39.89 40.64 7.485e+006



F3 Voltage SIR, EI+  
380.976  
40.647.485e+006

Function 4 PFK

16.JL0910D5\_3 Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A

100 41.31 41.88 42.49 43.11 43.46 43.80 44.16 44.33 44.79 45.14 45.38 46.11 46.22 46.47 4.29e3 46.72 47.20 47.54 47.86 48.40 48.62 6.433e+006



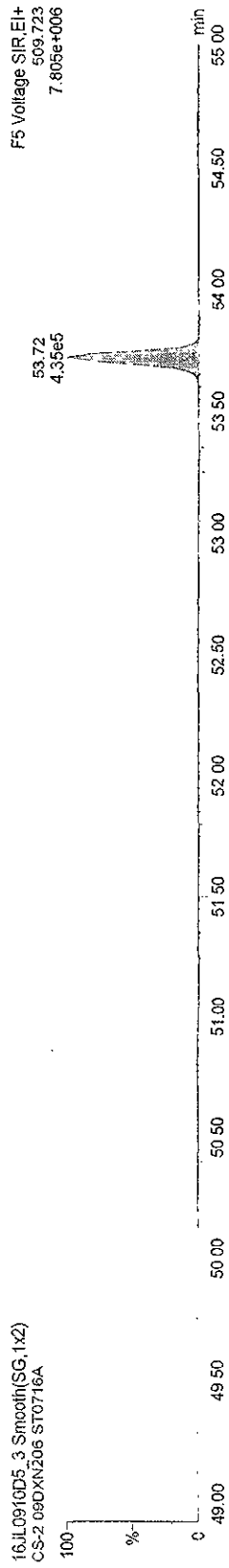
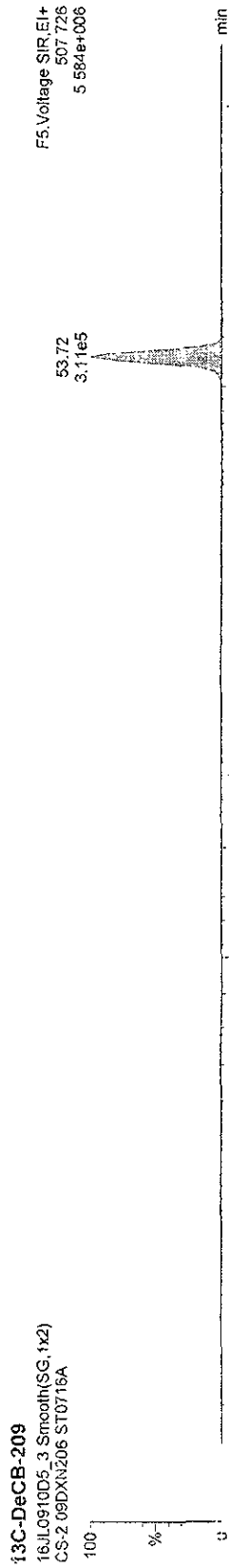
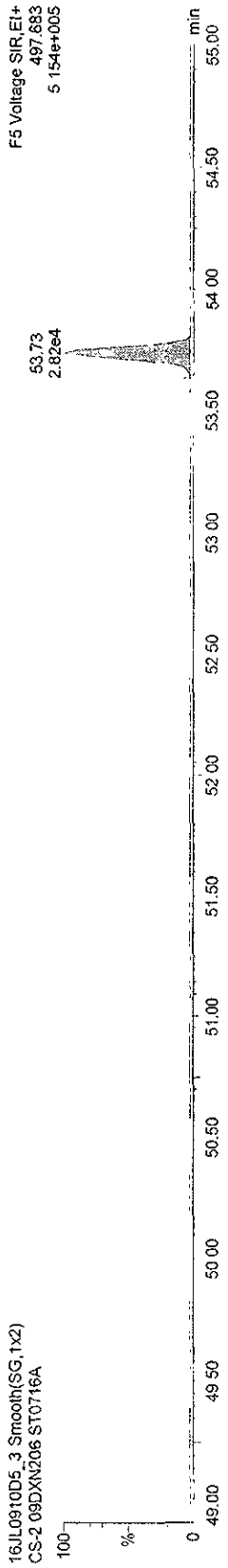
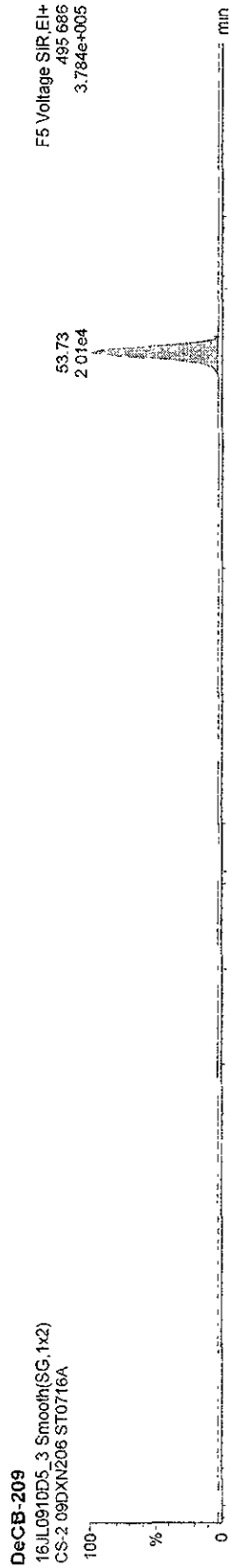
F4 Voltage SIR, EI+  
380.976  
6.433e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\ICA0716200910D51668MSLDEC.qid

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

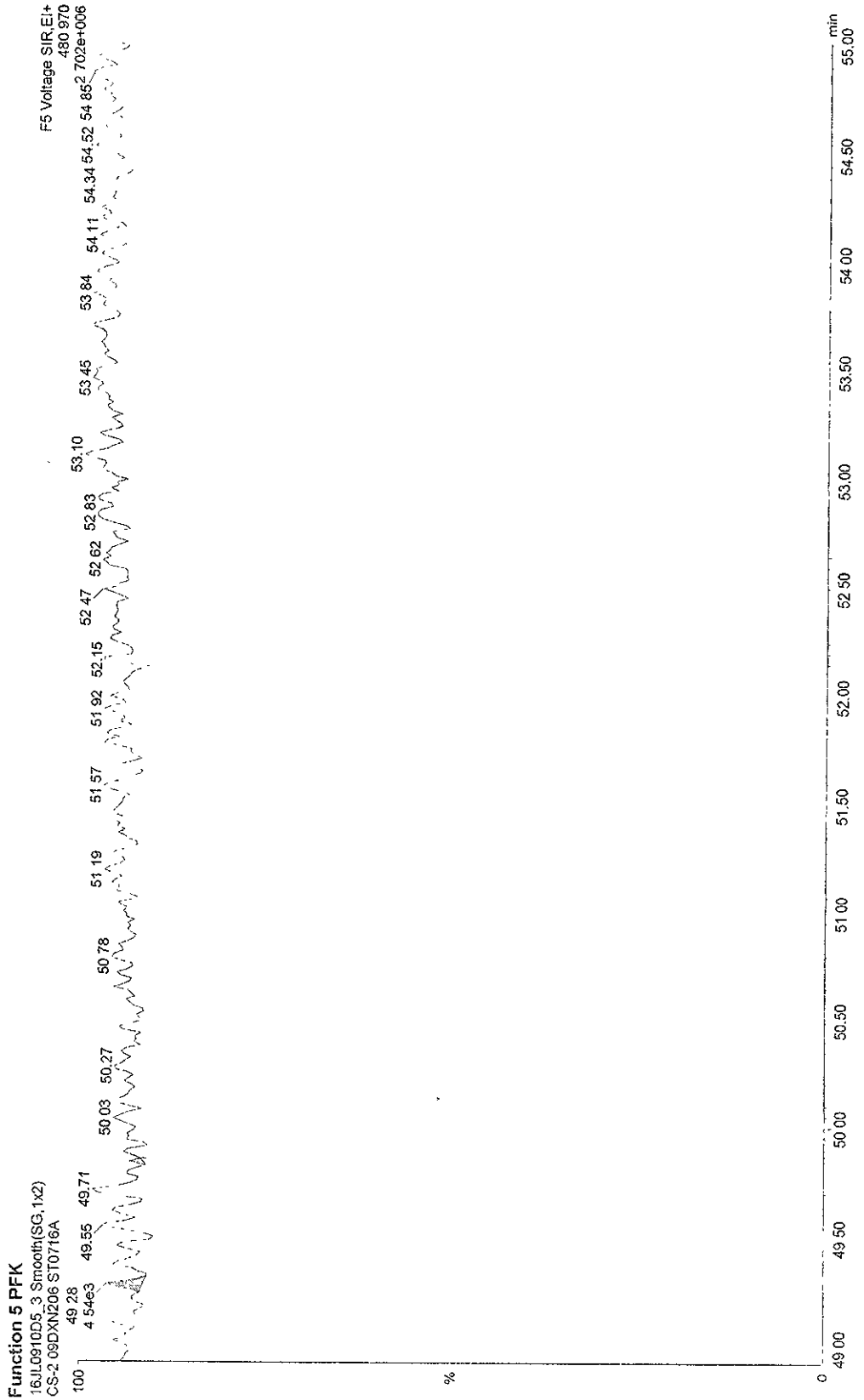


Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206





Quantify Sample Report      MassLynx 4.1

Dataset      C:\MassLynx\Default pro\IC-A0716200910D51668MSLDEC.qld

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

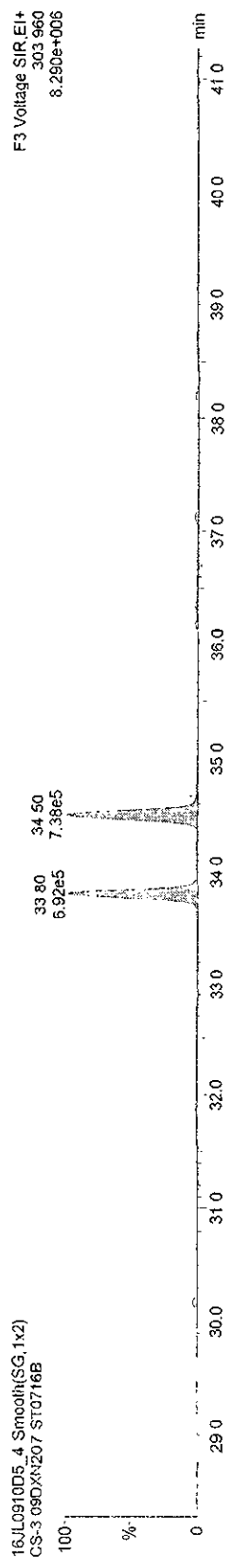
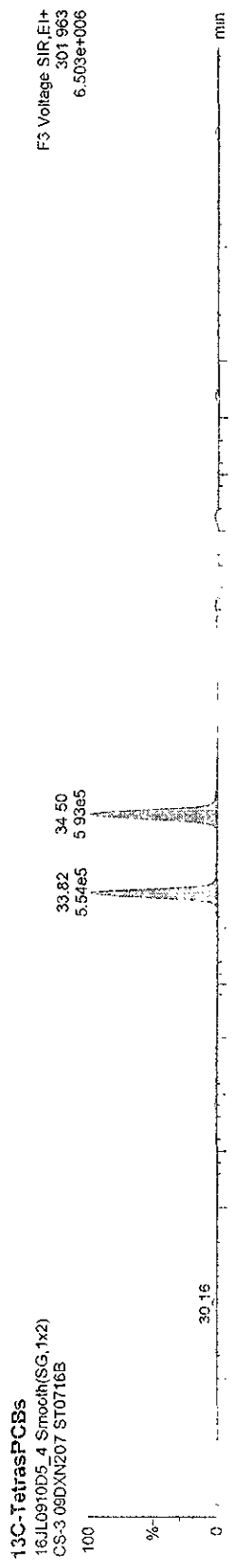
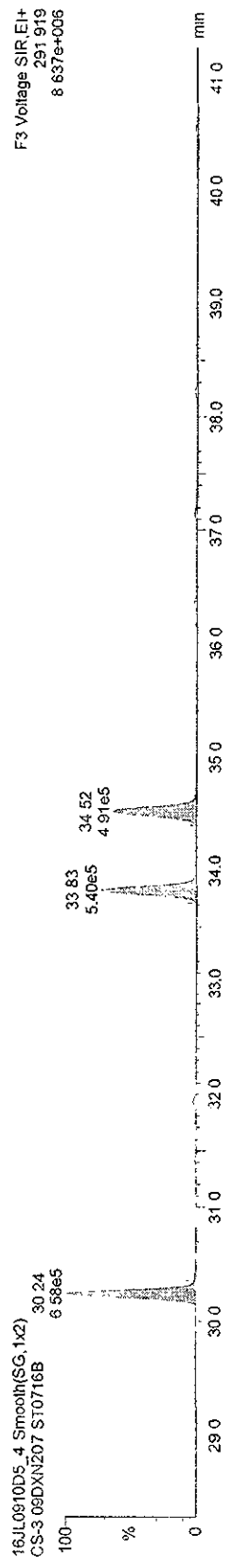
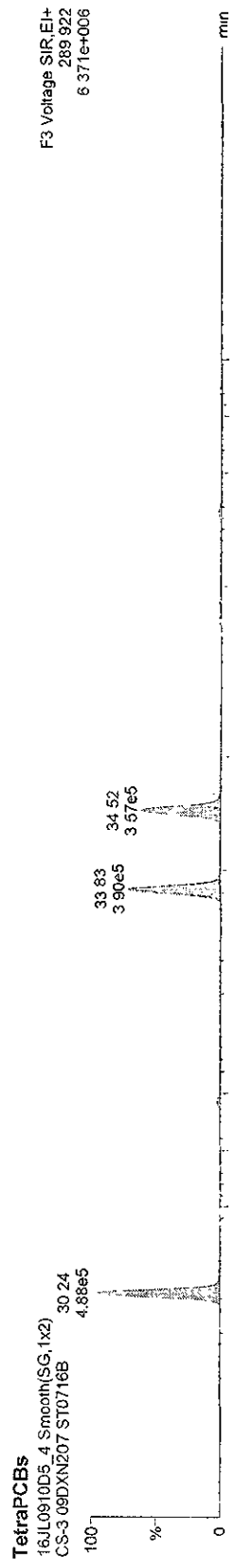
Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207



Quantify Sample Report MassLynx 4.1

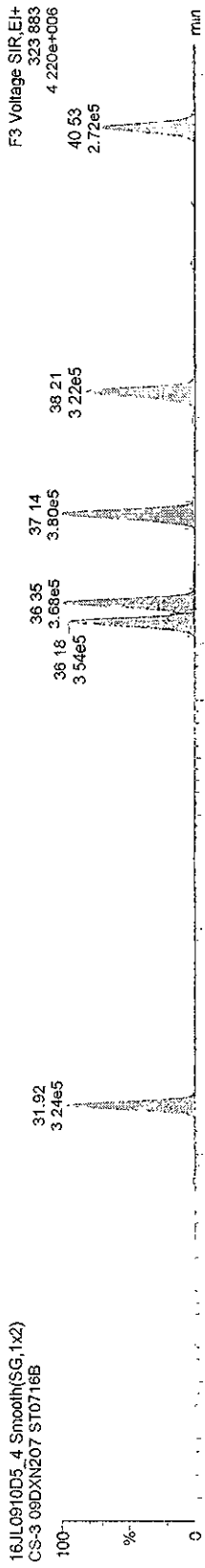
Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

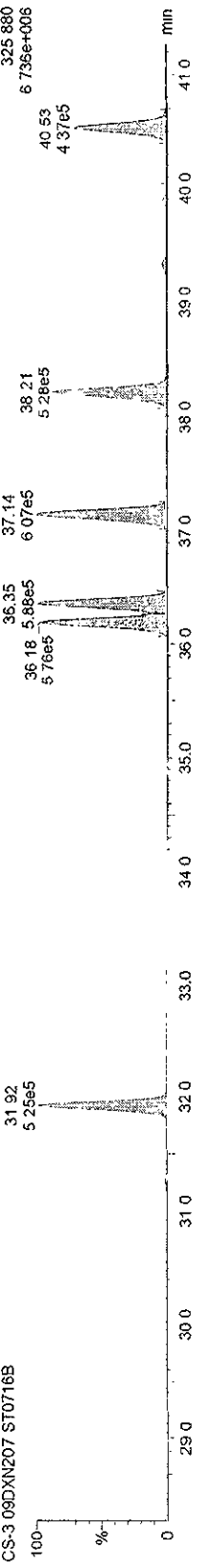
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

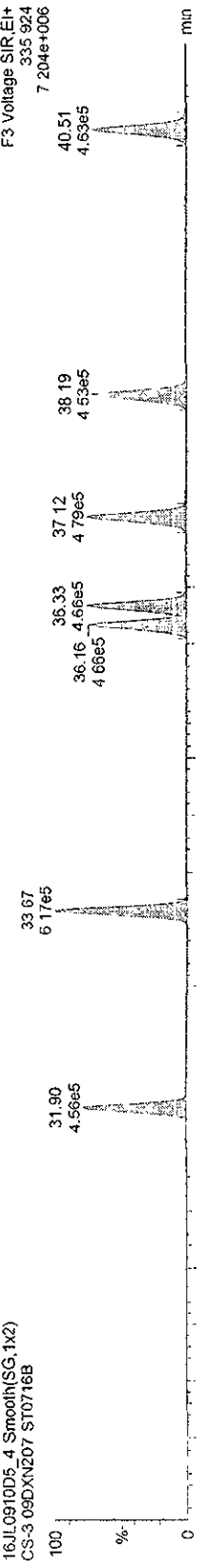
PePCBs



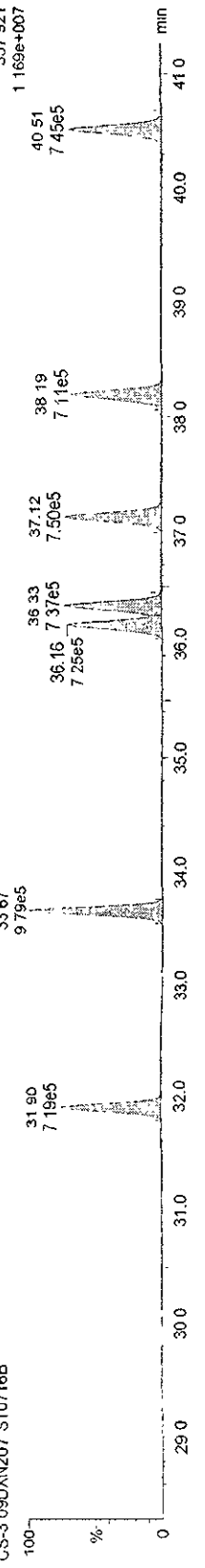
13C-PePCBs



13C-PePCBs



13C-PePCBs

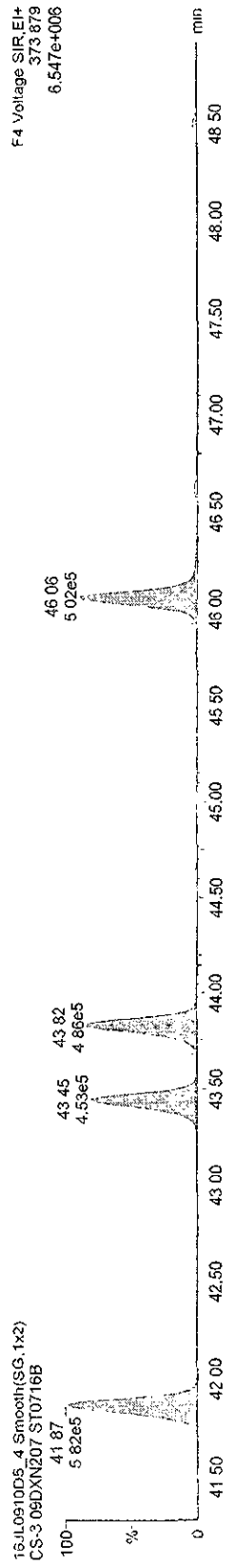
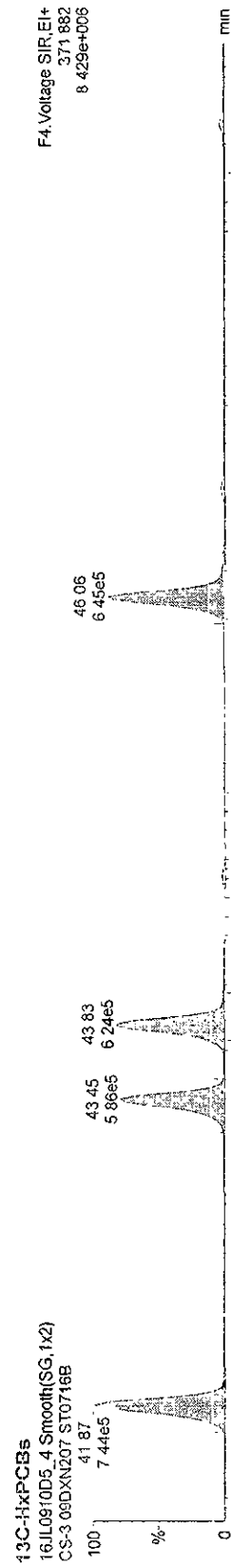
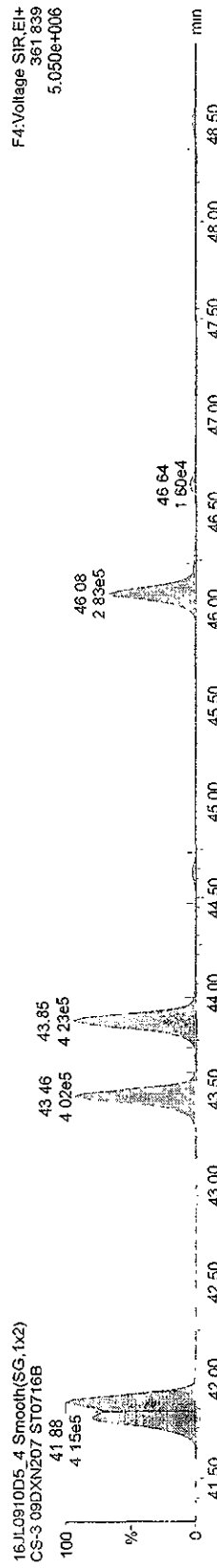


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\CA0716200910D51668MSLDEC.qtd

Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207



Quantify Sample Report iMassLynx 4.1

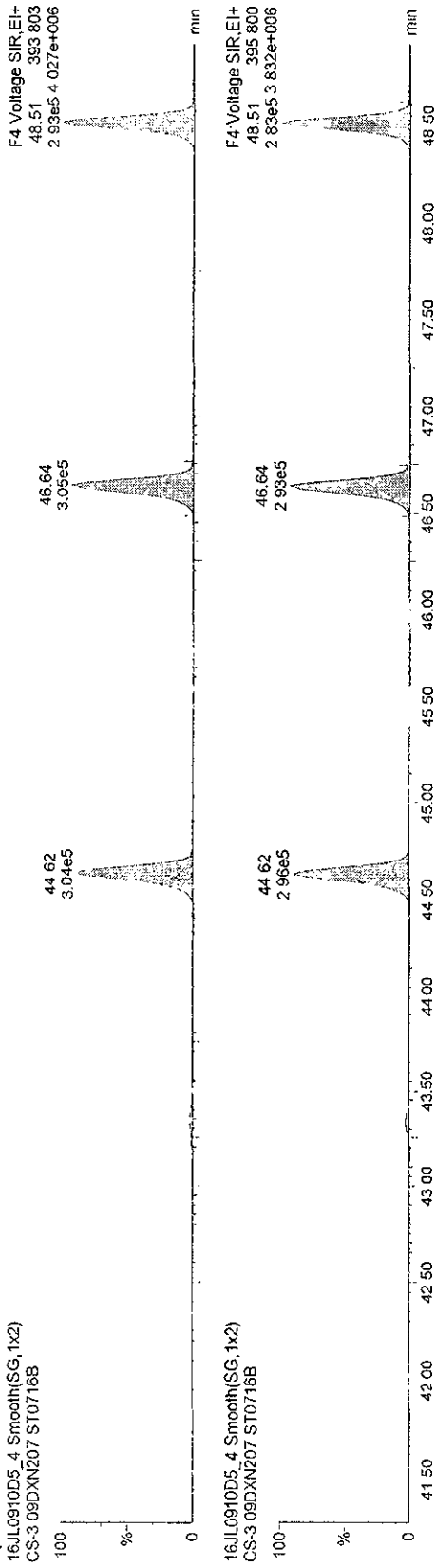
Dataset: C:\MassLynx\Default pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

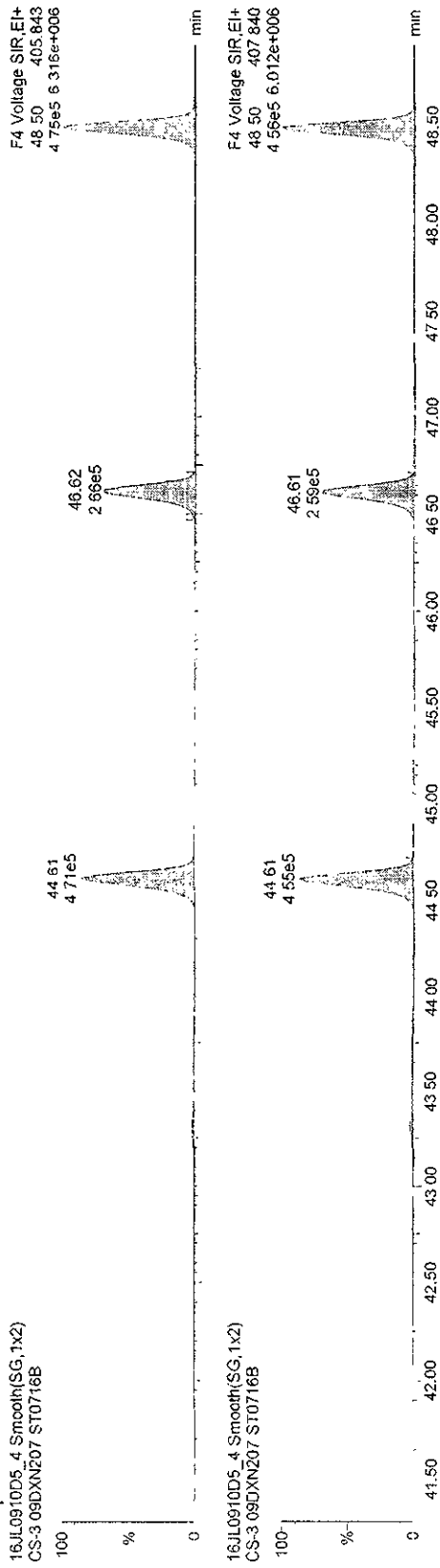
HpPCBs

16JL0910D5\_4 Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B



13C-HpPCBs

16JL0910D5\_4 Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\CA0716200910D51668M\SLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

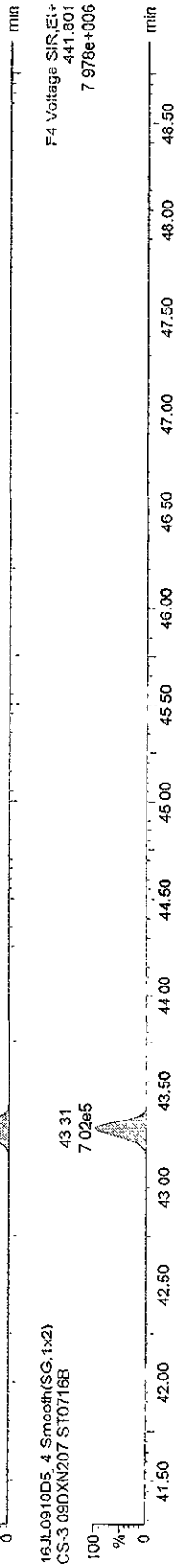
13C-OcCB-202

16JL0910D5\_4 Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B

F4 Voltage SIR EI+  
439.804  
7.173e+006

43.31

6.30e5



16JL0910D5\_4 Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B

F4 Voltage SIR EI+  
441.801  
7.978e+006

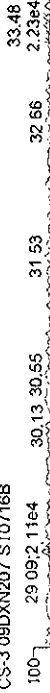
43.31

7.02e5

Function 3 PFK

16JL0910D5\_4 Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B

F3 Voltage SIR EI+  
380.876  
7.931e+006

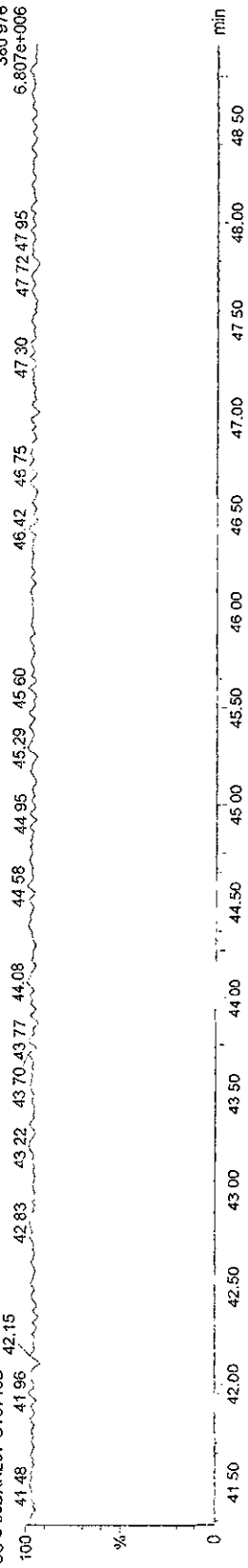


29.09	29.11	30.13	30.55	31.53	32.66	33.48	33.48	34.97	35.96	36.35	37.20	37.74	38.13	38.45	39.17	40.17	40.46
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Function 4 PFK

16JL0910D5\_4 Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B

F4 Voltage SIR EI+  
380.876  
6.807e+006



41.48	41.96	42.15	42.83	43.22	43.70	43.77	44.08	44.58	44.95	45.29	45.60	46.42	46.75	47.30	47.72	47.95	48.50
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Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

DeCB-209

16.JL0910D5\_4.Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B

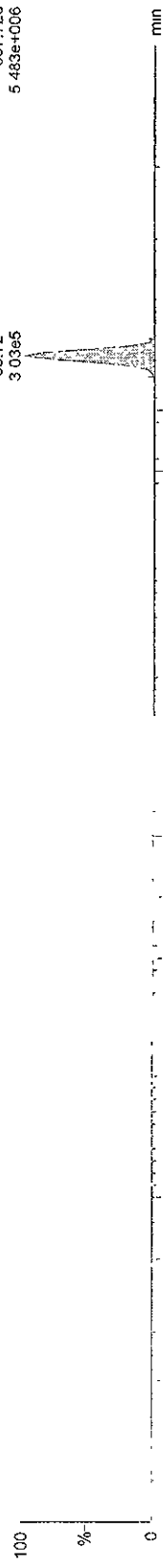


16.JL0910D5\_4.Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B

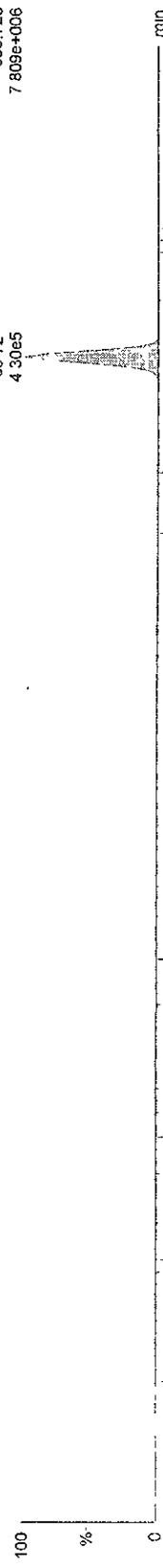


13C-DeCB-209

16.JL0910D5\_4.Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B



16.JL0910D5\_4.Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B



Quantify Sample Report MassLynx 4.1

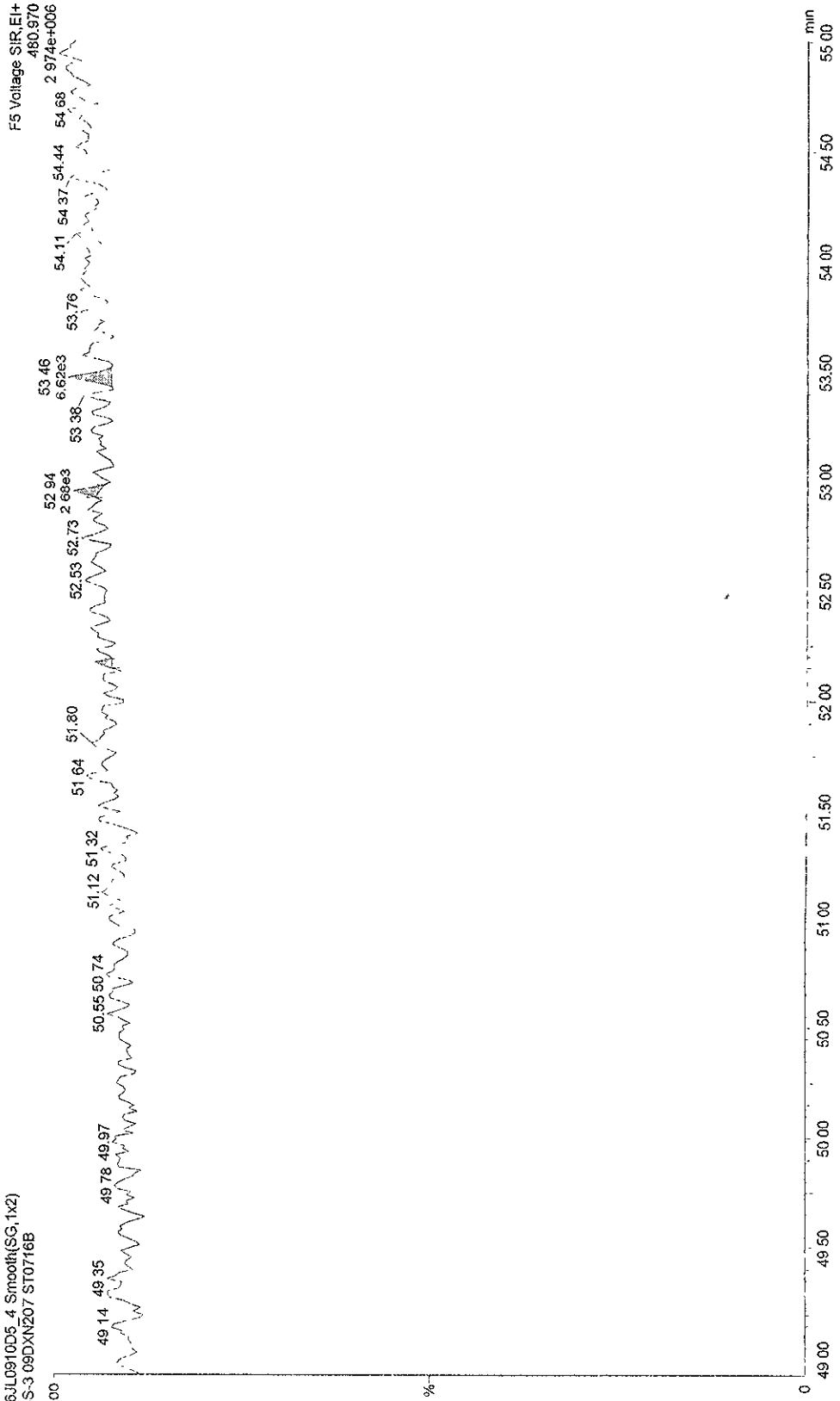
Dataset C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qid

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

Function 5 PFK

16JL0910D5\_4\_Smooth(SG,1x2)  
CS-3 09DXN207 ST0716B





Quantify Sample Report      MassLynx 4.1

Dataset      C:\MassLynx\Default pro\ICA0716200910D51668MSLDEC.qld

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

Quantify Sample Report MassLynx 4.1

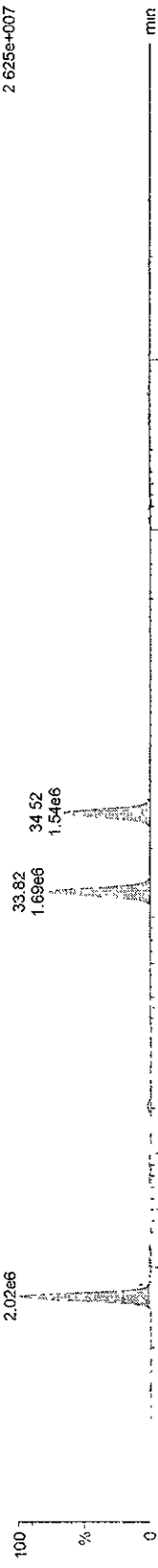
Dataset C:\MassLynx\Default pro\IC-A0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

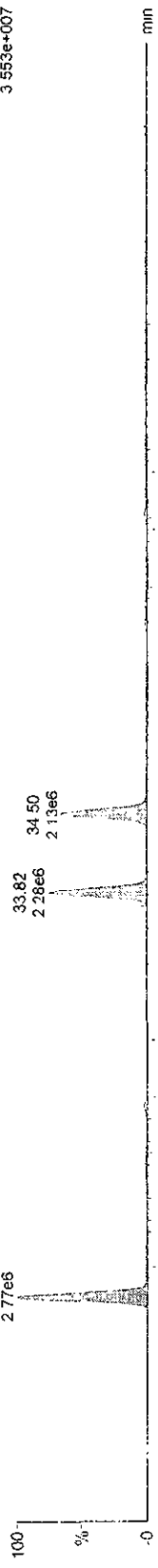
TetraPCBs

16JL0910D5\_5 Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C



F3.Voltage SIR.EI+  
289.922  
2.625e+007

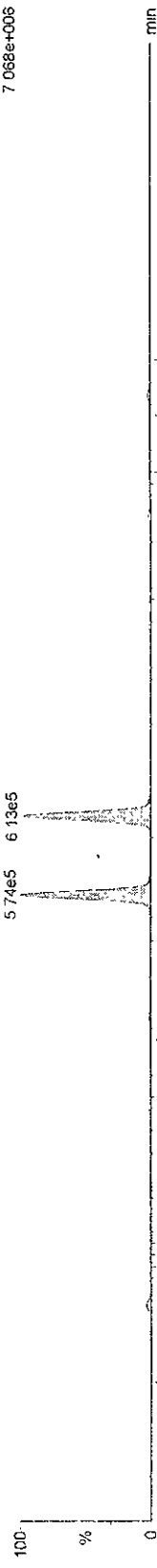
16JL0910D5\_5 Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C



F3.Voltage SIR.EI+  
291.919  
3.553e+007

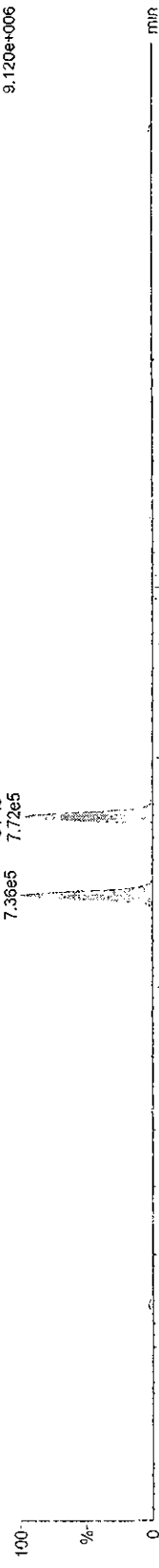
13C-TetraPCBs

16JL0910D5\_5 Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C



F3.Voltage SIR.EI+  
301.963  
7.068e+006

16JL0910D5\_5 Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C



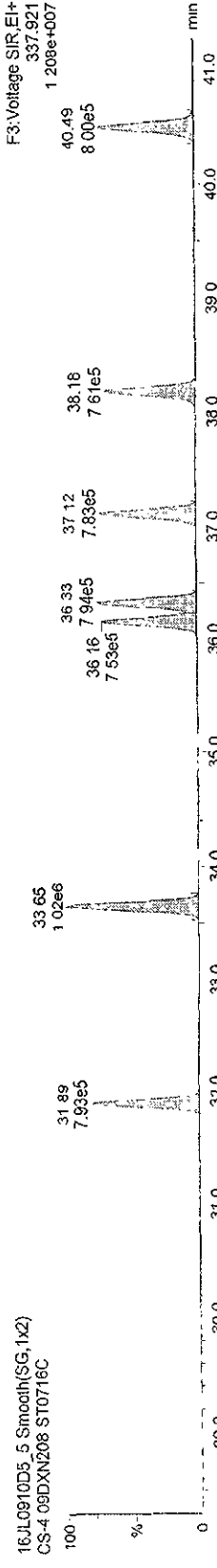
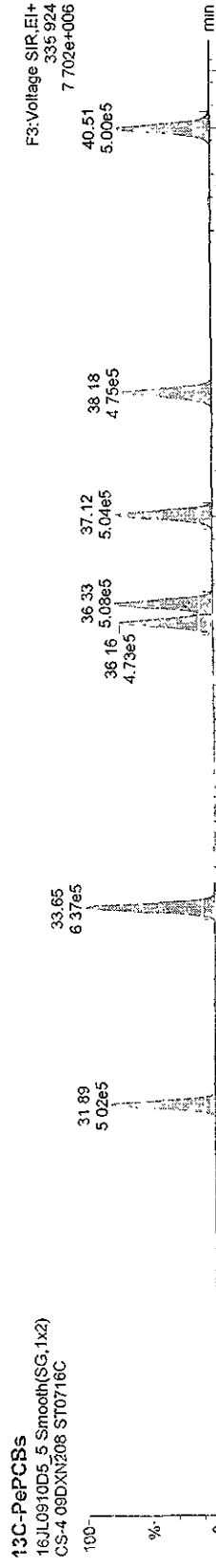
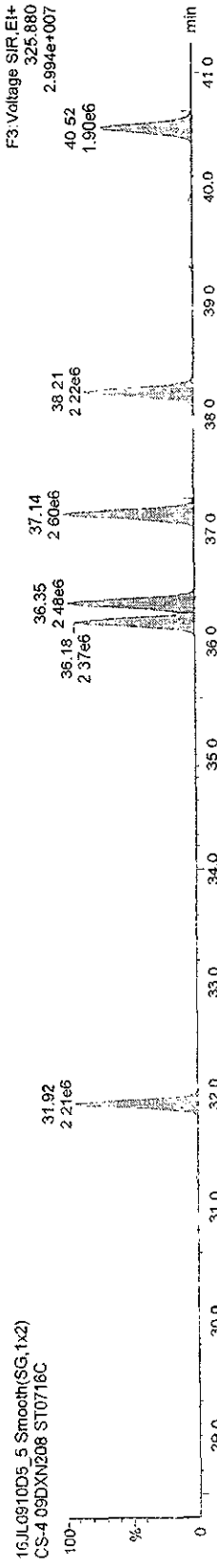
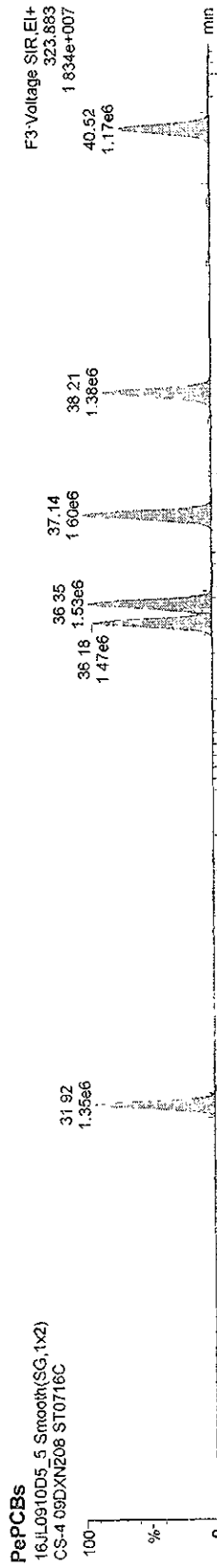
F3.Voltage SIR.EI+  
303.960  
9.120e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

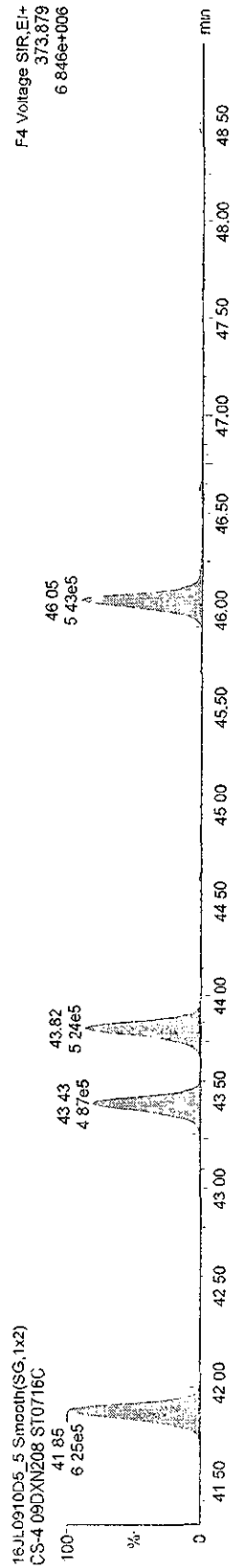
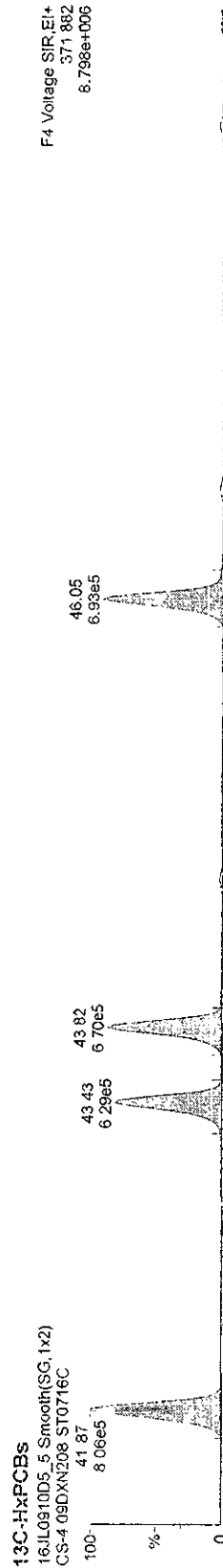
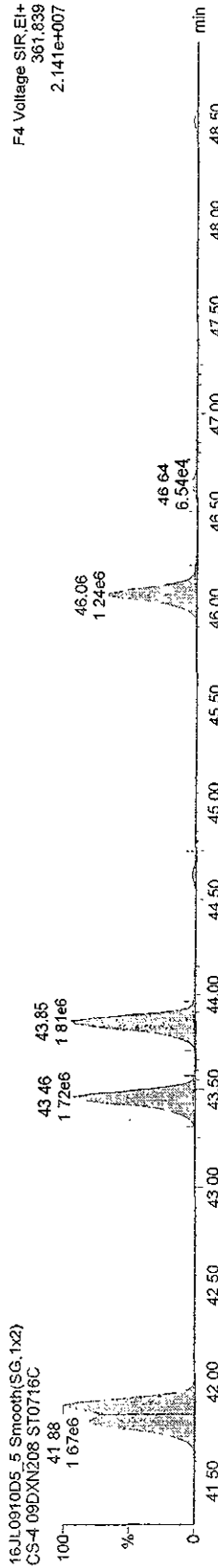
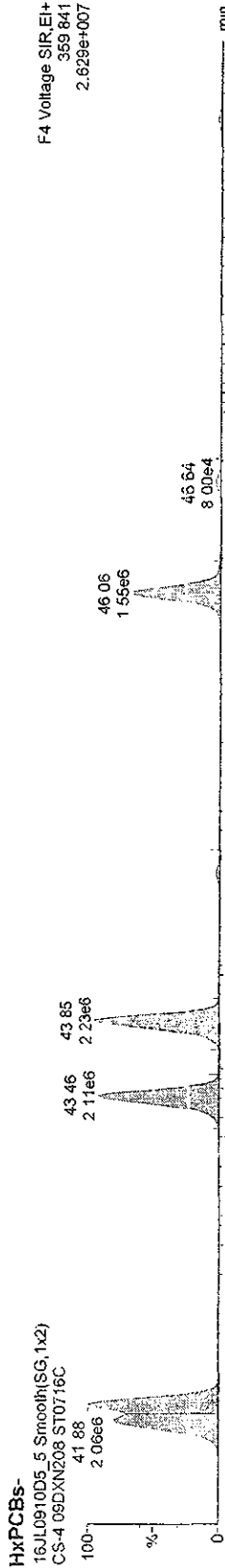


Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default pro\CA07162\0910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

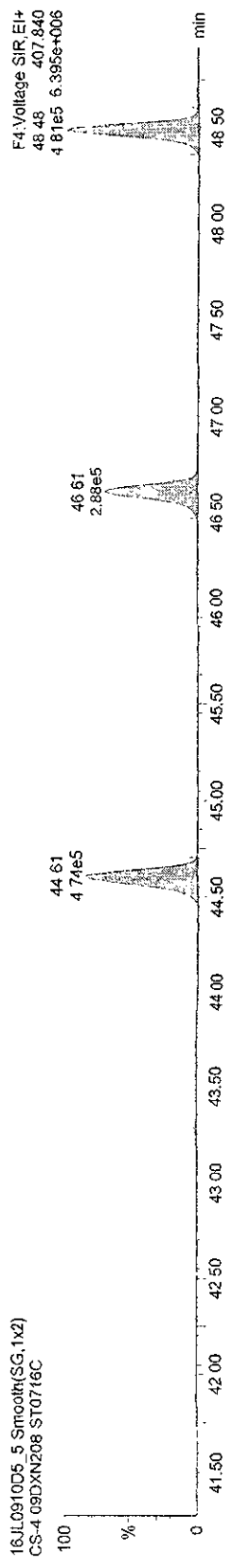
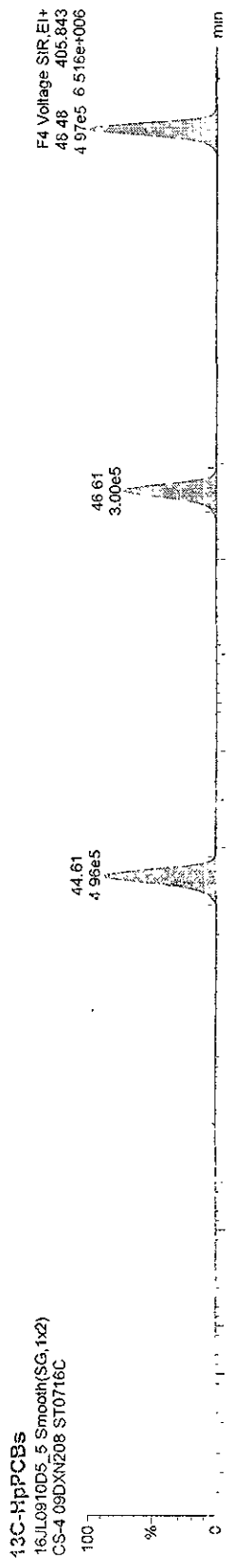
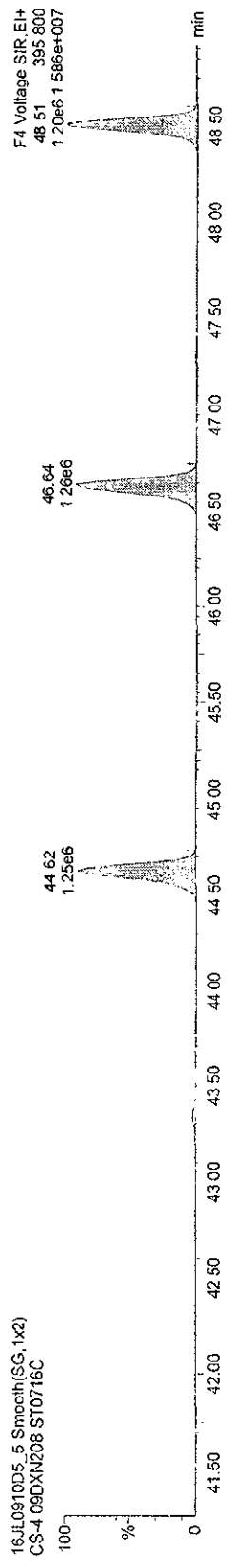
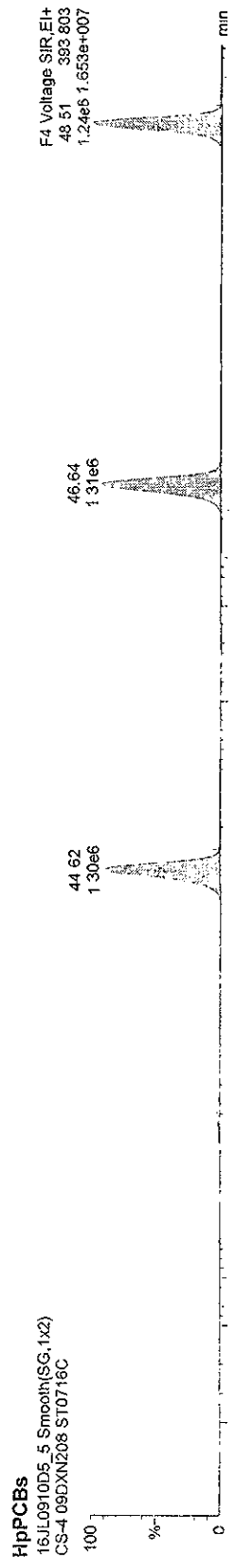


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

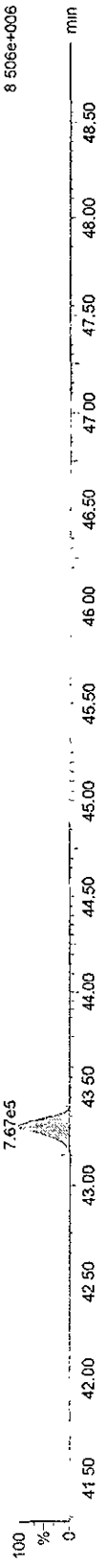
13C-OcCB-202

16.JL0910D5\_5 Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C



F4 Voltage SIR,EI+  
439.804  
7.711e+006

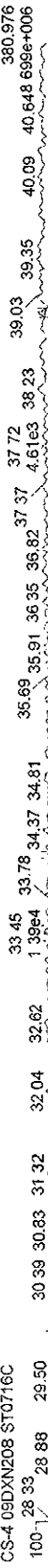
16.JL0910D5\_5 Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C



F4 Voltage SIR,EI+  
441.801  
8.506e+006

Function 3 PFK

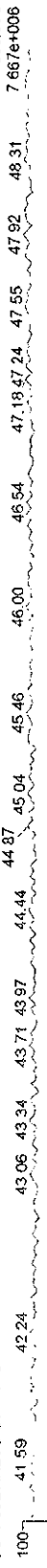
16.JL0910D5\_5 Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C



F3 Voltage SIR,EI+  
380.976  
8.506e+006

Function 4 PFK

16.JL0910D5\_5 Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C



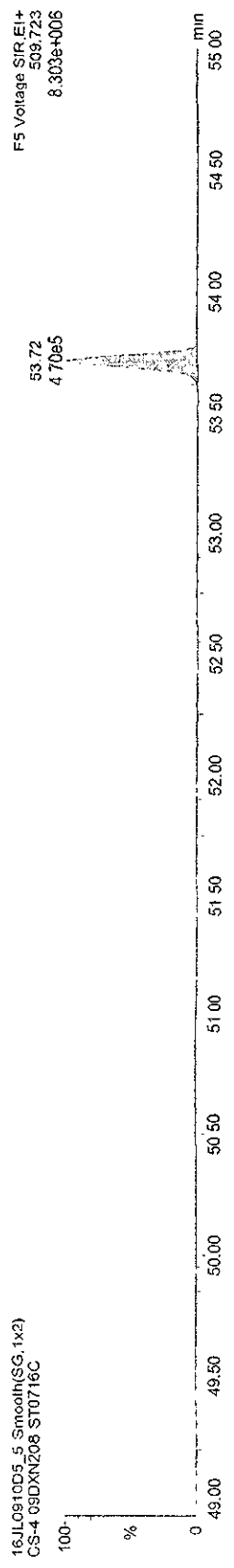
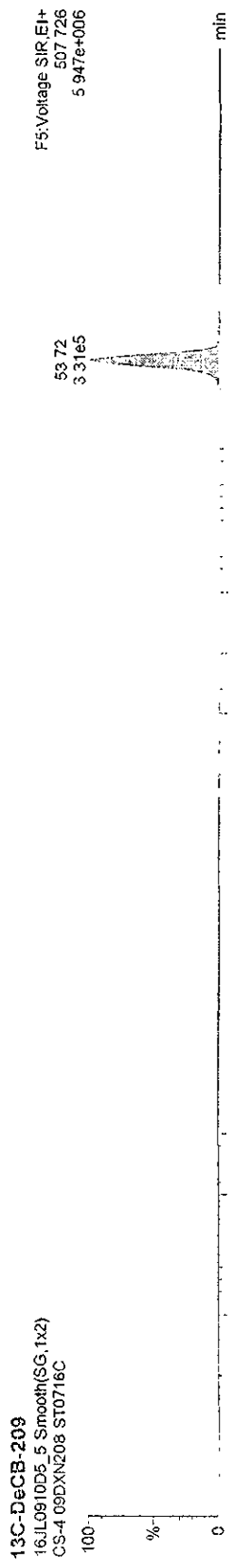
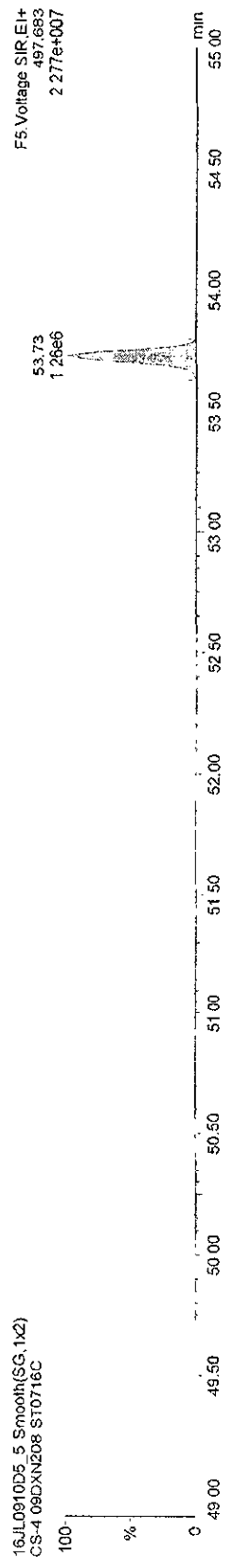
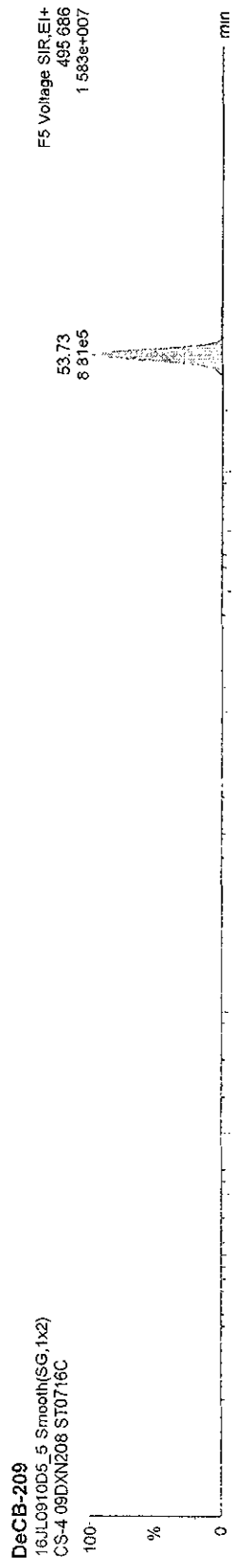
F4 Voltage SIR,EI+  
380.976  
7.667e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\IC\A0716200910D51668M\SLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208



Quantify Sample Report MassLynx 4.1

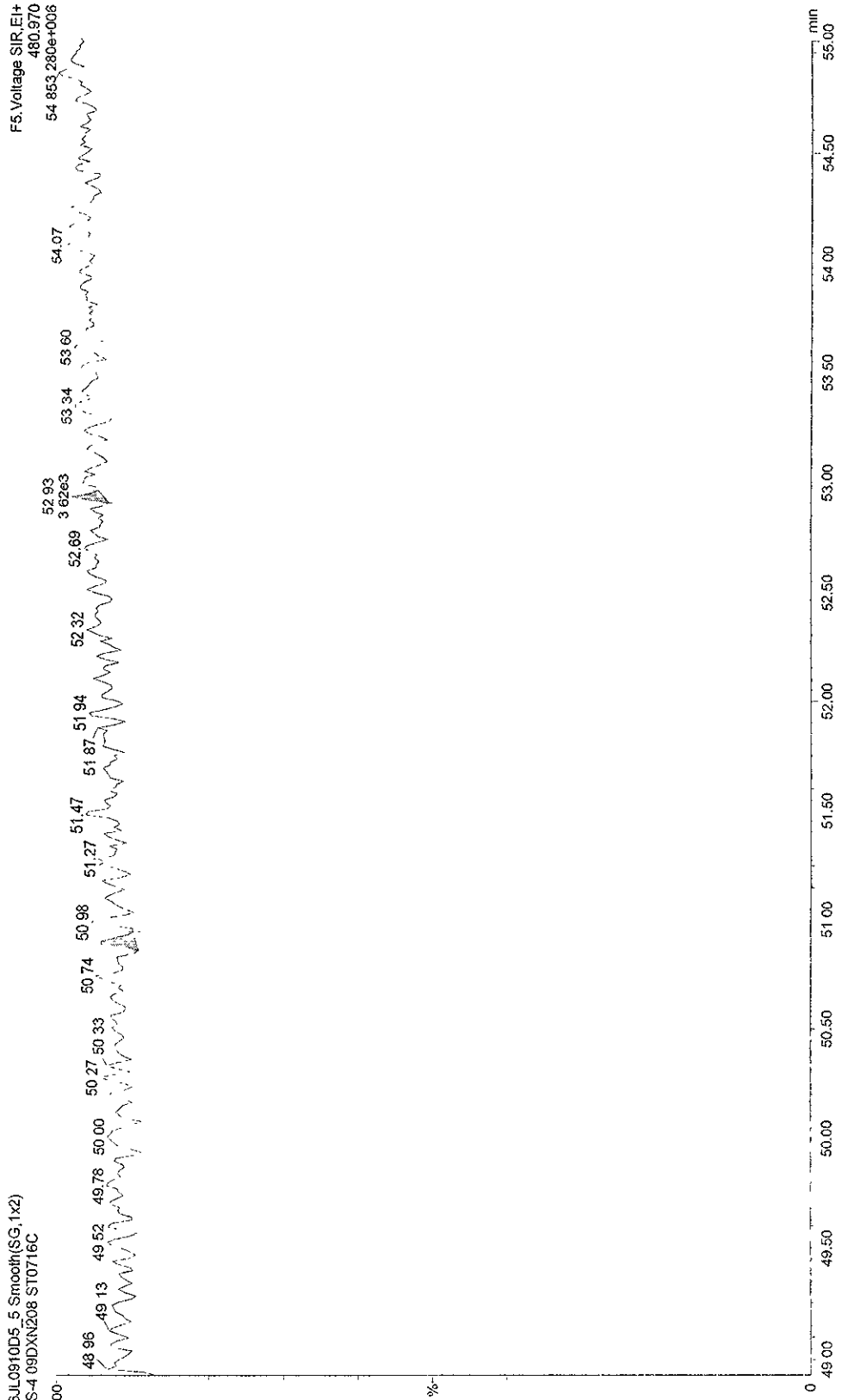
Dataset: C:\MassLynx\Default pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

Function 5 PFK

16JL0910D5\_5\_Smooth(SG,1x2)  
CS-4 09DXN208 ST0716C





Quantify Sample Report      MassLynx 4.1

Dataset:      C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

Quantify Sample Report MassLynx 4.1

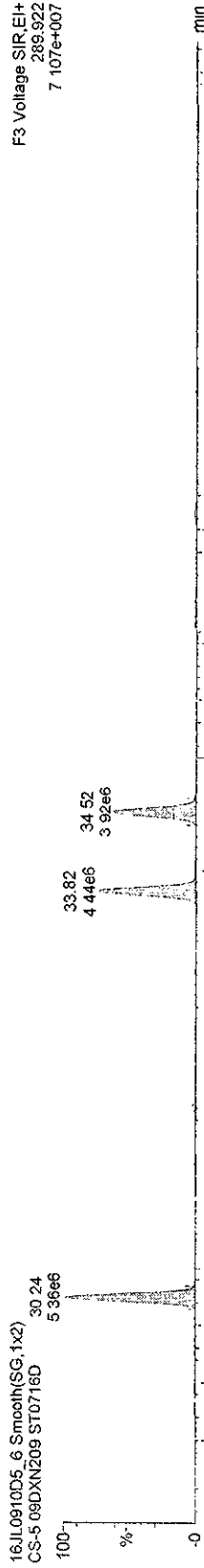
Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

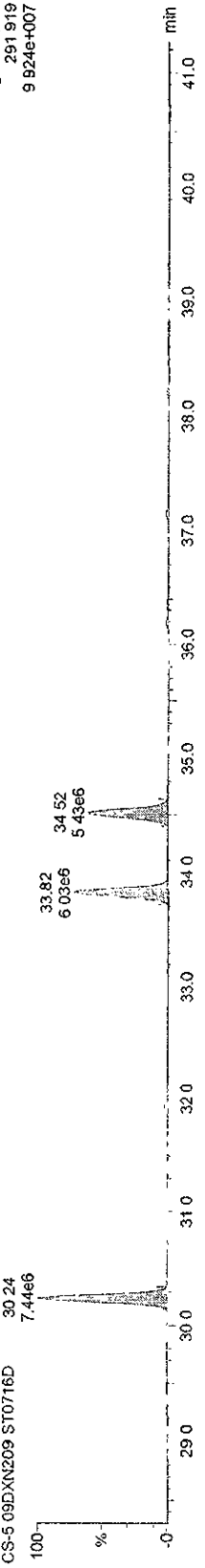
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

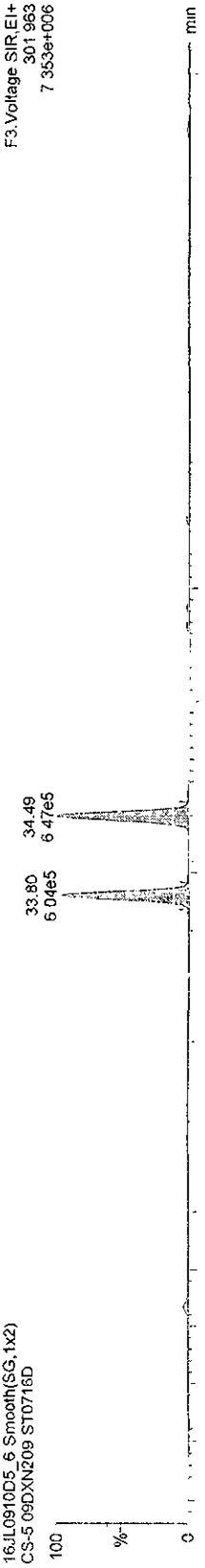
TetraPCBs



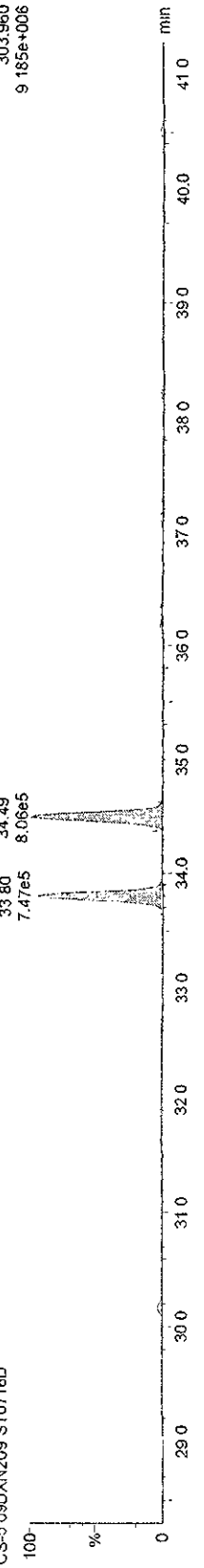
13C-TetrasPCBs



13C-TetrasPCBs



13C-TetrasPCBs



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

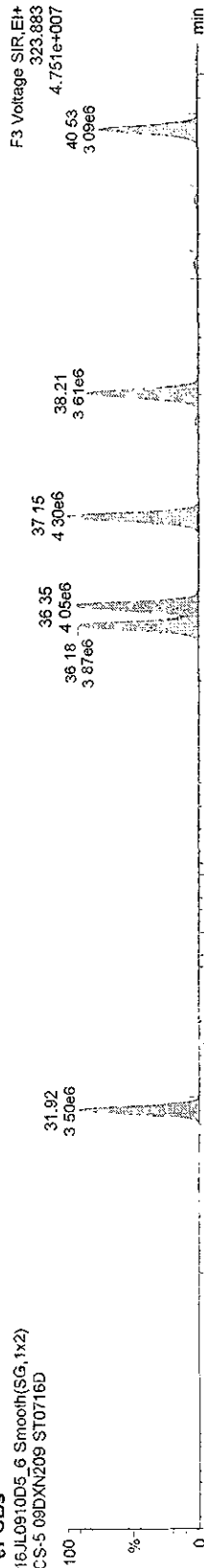
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

PePCBs

16.JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D

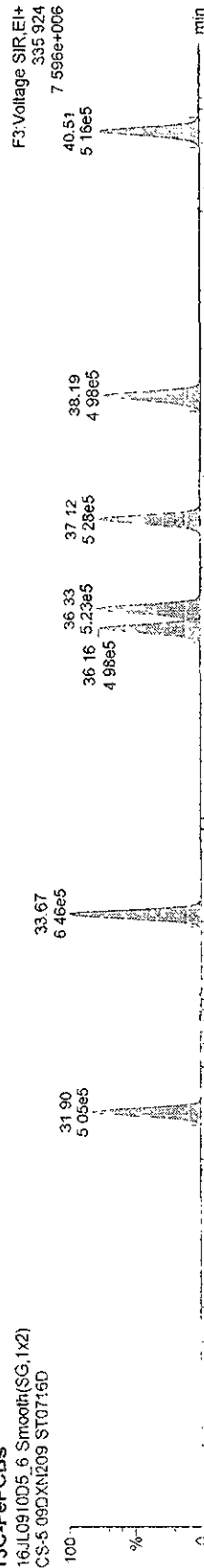


16.JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D

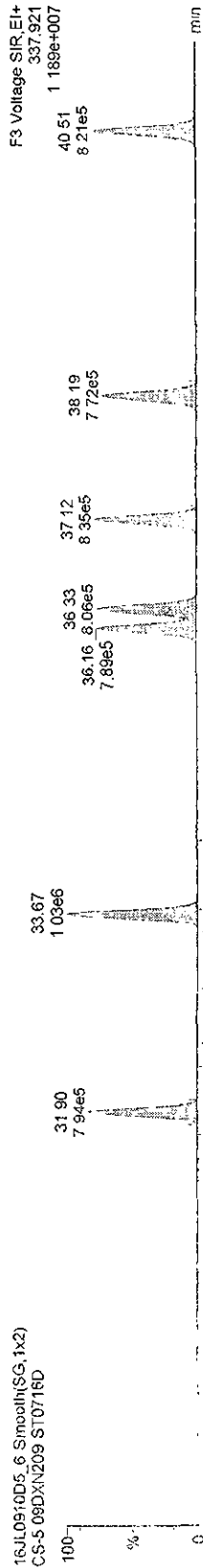


13C-PePCBs

16.JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D



16.JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D

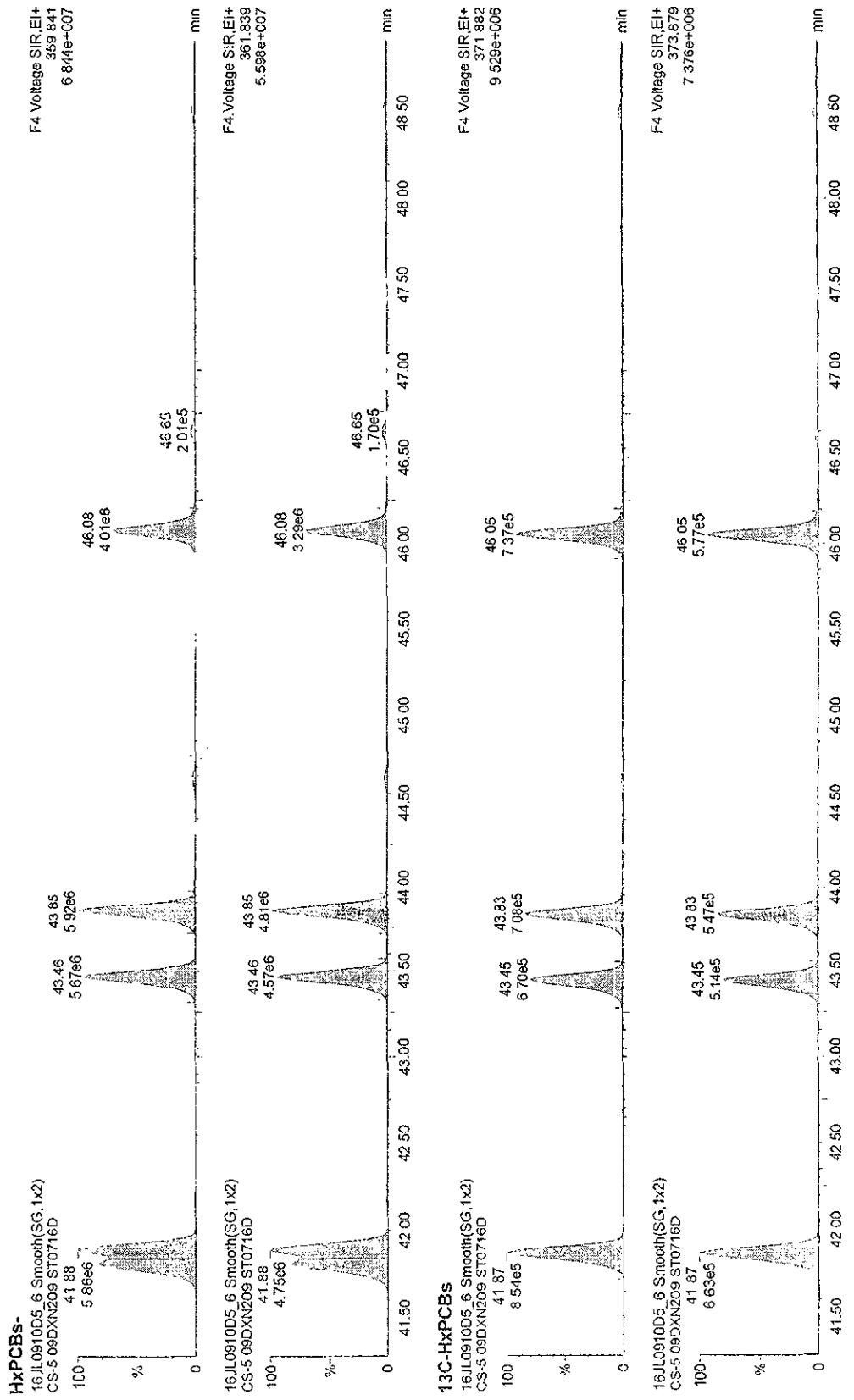


Quantify Sample Report **MassLynx 4.1**

Dataset C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209



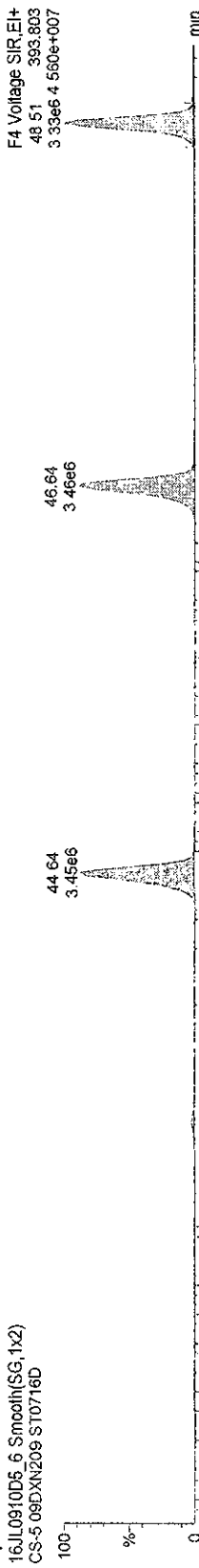
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSLDEC.qld

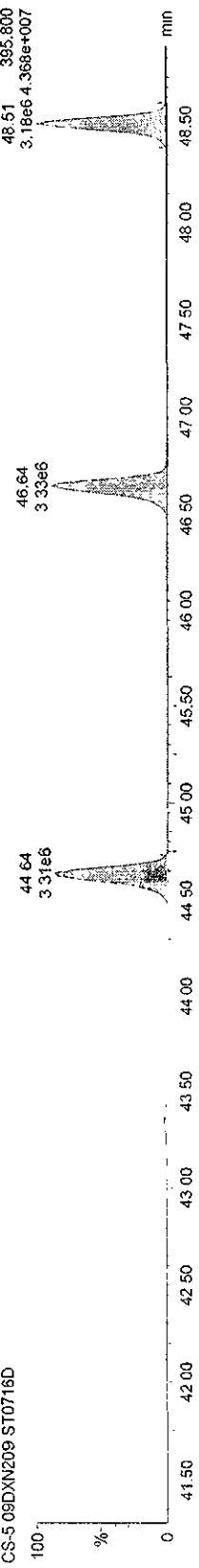
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

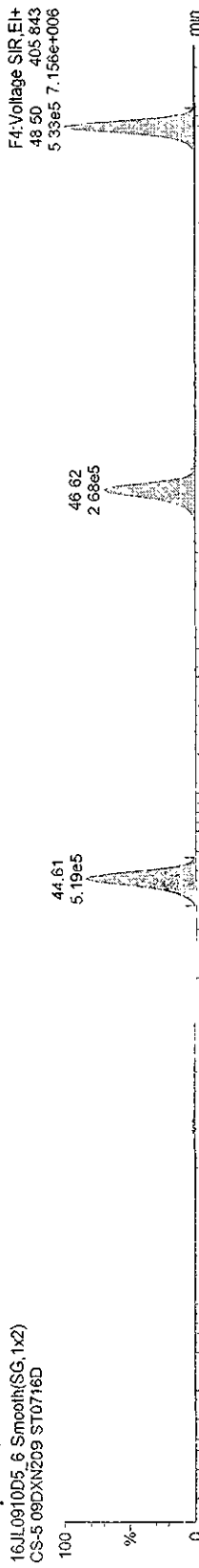
HpPCBs



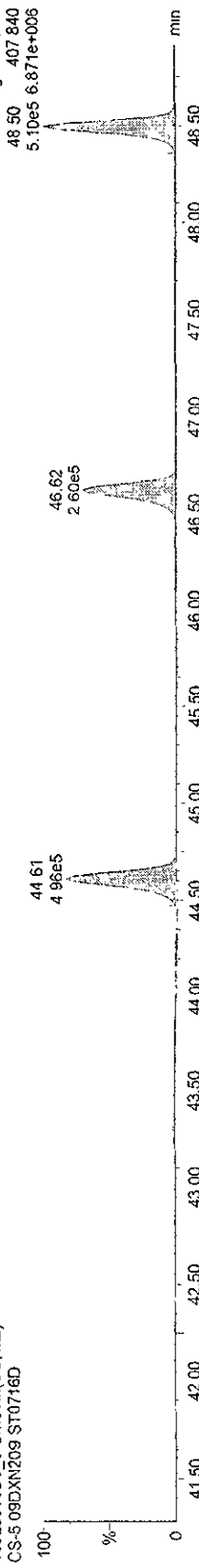
13C-HpPCBs



13C-HpPCBs



13C-HpPCBs



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

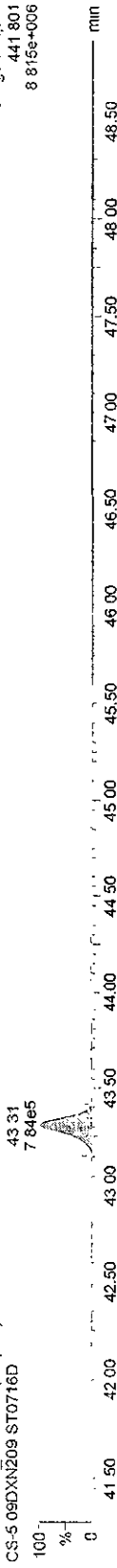
13C-OcCB-202

16JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D



F4 Voltage SIR, EI+  
439.804  
7.921e+006

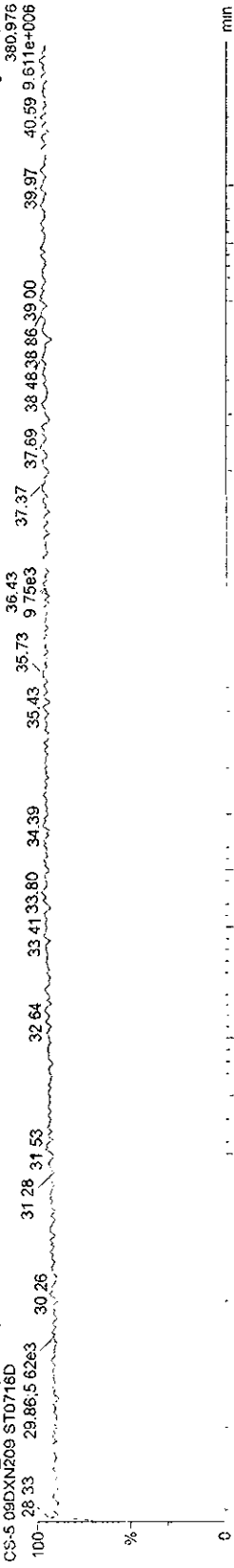
16JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D



F4 Voltage SIR, EI+  
441.801  
8.815e+006

Function 3 PFK

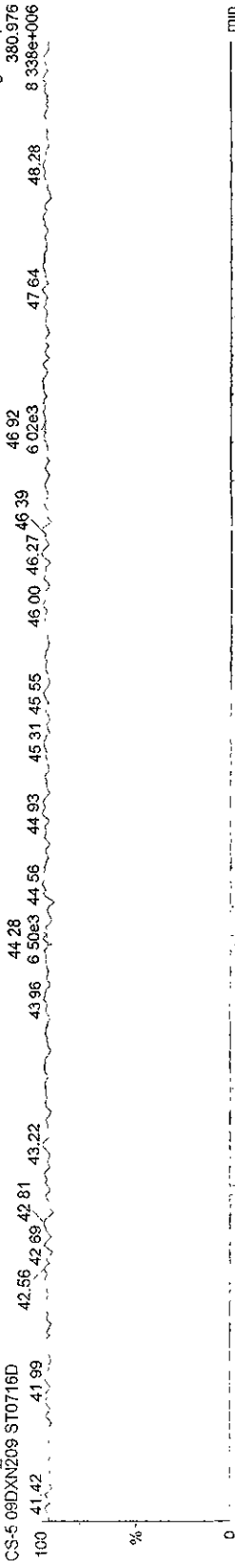
16JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D



F3 Voltage SIR, EI+  
380.976  
380.976

Function 4 PFK

16JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D



F4 Voltage SIR, EI+  
380.976  
8.338e+006

Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

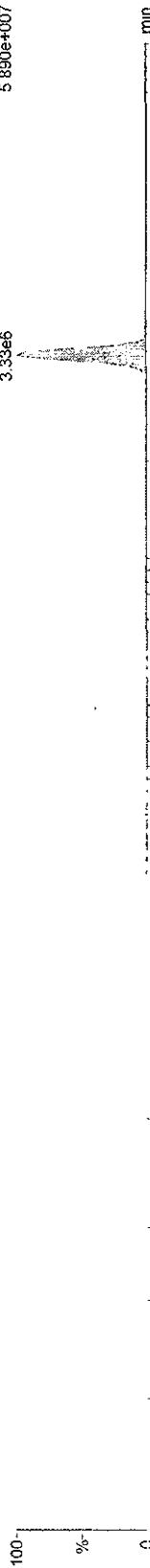
Name: 16.JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

DeCB-209

16.JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D



16.JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D



13C-DeCB-209

16.JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D



16.JL0910D5\_6 Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D



Quantify Sample Report MassLynx 4.1

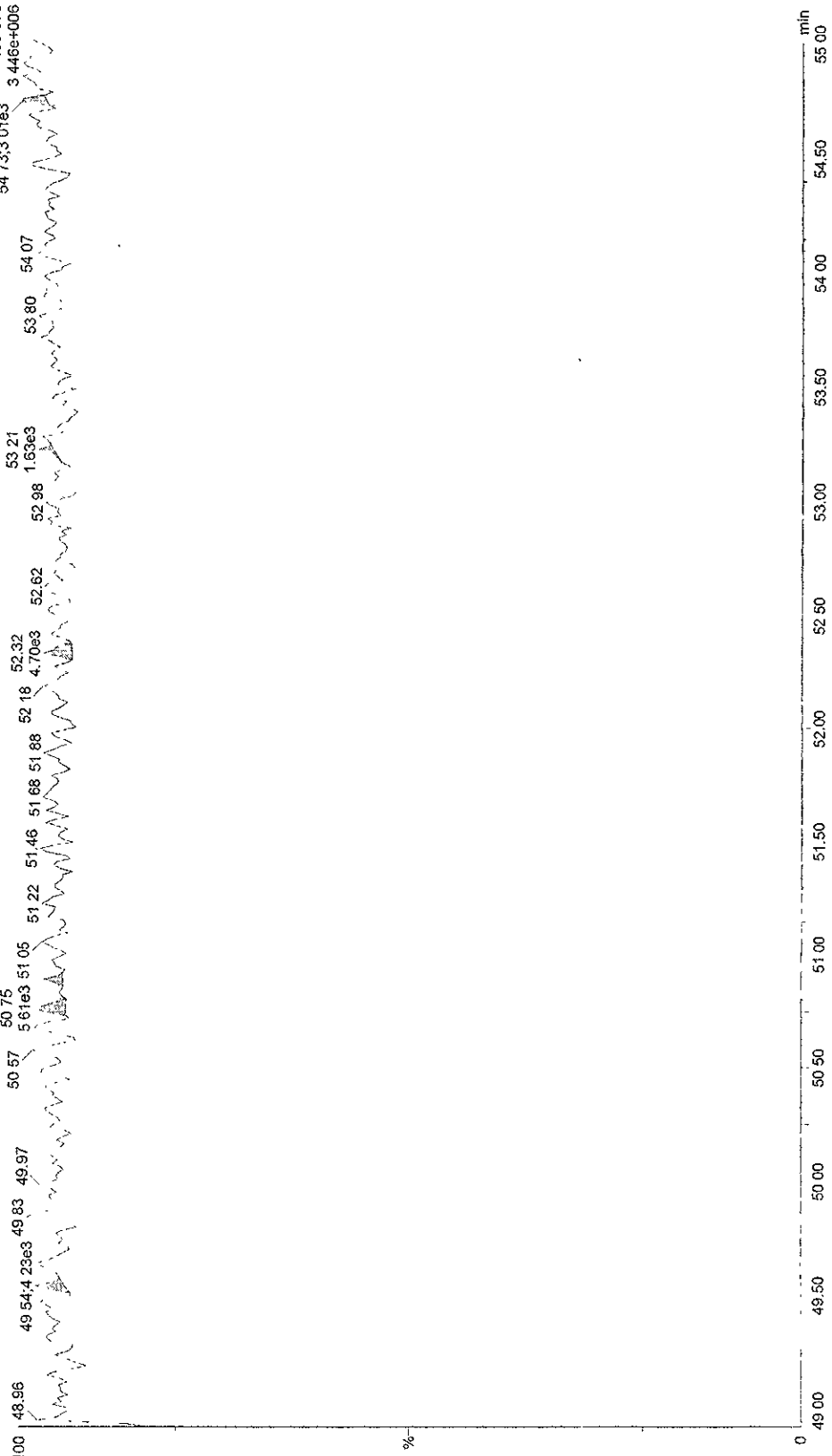
Dataset: C:\MassLynx\Default\pro\ICA0716200910D51668MSLDEC.qid

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

Function 5 PFK

16JL0910D5\_6\_Smooth(SG,1x2)  
CS-5 09DXN209 ST0716D





Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19  
 Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53  
 Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

#	Name	Trace	Sample Size	RT	Ptd.RT	RRF	M	Abs.Resp	pg	EMPC	%Rec.	EDL	Ratio	Fl.	Mod Date
1	13C-PeCB-101	335.924	1.000	31.90	32.13	12419.0		1470466.81	118.4006	118.4006	118.4	0.06393	0.65	NO	
2	13C-TeCB-81	301.963	1.000	33.82	33.85	1.03984		1610148.06	105.3037	105.3037	105.3	0.05886	0.79	NO	
3	TeCB-81	289.922	1.000	33.83	33.83	1.45839		2117289.38	90.1658	90.1658	90.1658	0.04653	0.74	NO	
4	13C-TeCB-77	301.963	1.000	34.50	34.55	1.10430		1683224.19	103.6572	103.6572	103.7	0.05543	0.79	NO	
5	TeCB-77	289.922	1.000	34.52	34.52	1.27458		1973168.13	91.9719	91.9719	91.9719	0.05127	0.76	NO	
6	13C-PeCB-123	335.924	1.000	36.16	36.18	0.99324		1532208.75	104.9083	104.9083	104.9	0.05436	0.63	NO	
7	PeCB-123	323.883	1.000	36.20	36.18	1.50539		1759145.25	76.2668	76.2668	76.2668	0.05843	0.62	NO	
8	13C-PeCB-118	335.924	1.000	36.33	36.35	1.02377		1572983.44	104.4883	104.4883	104.5	0.05274	0.64	NO	
9	PeCB-118/106	323.883	1.000	36.37	36.35	1.52582		3508659.50	146.1885	146.1885	146.1885	0.05700	0.62	NO	
10	13C-PeCB-114	335.924	1.000	37.12	37.14	1.03691		1612395.63	105.7488	105.7488	105.7	0.05207	0.64	NO	
11	PeCB-114	323.883	1.000	37.15	37.14	1.58926		1671774.44	65.2395	65.2395	65.2395	0.05326	0.62	NO	
12	13C-PeCB-105	335.924	1.000	38.19	38.21	0.98151		1520435.63	105.3461	105.3461	105.3	0.05501	0.65	NO	
13	PeCB-105/127	323.883	1.000	38.23	38.21	1.43326		3561897.75	163.4509	163.4509	163.4509	0.06446	0.62	NO	
14	13C-PeCB-126	335.924	1.000	40.51	40.56	1.02999		1545906.50	102.0695	102.0695	102.1	0.05242	0.63	NO	
15	PeCB-126	323.883	1.000	40.54	40.54	1.15582		1658692.44	92.8312	92.8312	92.8312	0.08124	0.62	NO	
16	13C-OcCB-202	439.804	1.000	43.31	43.51	14106.0		1688443.75	119.6951	119.6951	119.7	0.02438	0.90	NO	
17	HxCB-167	371.882	1.000	41.87	41.90	1.00247		1715750.19	101.3672	101.3672	101.4	0.04312	1.27	NO	
18	HxCB-167	359.841	1.000	41.90	41.90	1.34796		1659150.94	71.7388	71.7388	71.7388	0.03818	1.08	NO	
19	13C-HxCB-156	371.882	1.000	43.45	43.48	0.78510		1364232.75	102.9140	102.9140	102.9	0.05505	1.29	NO	
20	HxCB-156	359.841	1.000	43.48	43.48	1.68840		1803329.50	78.2908	78.2908	78.2908	0.03726	1.23	NO	
21	13C-HxCB-157	371.882	1.000	43.83	43.87	0.83526		1446005.38	102.5319	102.5319	102.5	0.05175	1.29	NO	
22	HxCB-157	359.841	1.000	43.87	43.85	1.65965		1723649.81	71.8229	71.8229	71.8229	0.03615	1.22	NO	
23	13C-HxCB-169	371.882	1.000	46.06	46.11	0.87128		1475827.50	100.3211	100.3211	100.3	0.04961	1.26	NO	
24	HxCB-169	359.841	1.000	46.08	46.10	1.09832		1474839.81	90.9875	90.9875	90.9875	0.05244	1.21	NO	
25	13C-HpCB-180	405.843	1.000	44.61	44.47	0.68403		1195299.69	103.4944	103.4944	103.5	0.03057	1.04	NO	
26	HpCB-180	393.803	1.000	44.64	44.61	1.30035		1268602.00	81.6184	81.6184	81.6184	0.05965	1.04	NO	

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

#	Name	Trace	Sample Size	RT	Prd. RT	RRF (M)	Abs/Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
32	13C-HpCB-170	405.843	1.000	46.62	46.64	0.54773	966535.94	104.5113	104.5113	104.5	0.03818	1.06	NO	
33	HpCB-170	393.803	1.000	46.65	46.64	1.61501	1170576.13	74.9906	74.9906		0.05931	1.03	NO	
34	13C-HpCB-189	405.843	1.000	48.50	48.48	0.69767	1207214.94	102.4822	102.4822	102.5	0.02997	1.04	NO	
35	HpCB-189	393.803	1.000	48.51	48.53	1.23073	1325001.06	89.1805	89.1805		0.05490	1.04	NO	
36														
37	13C-DeCB-209	507.726	1.000	53.73	53.63	0.55323	1015487.63	108.7130	108.7130	108.7	0.02293	0.71	NO	
38	DeCB-209	495.686	1.000	53.75	53.76	1.31861	1811907.25	135.3149	135.3149		0.01204	0.70	NO	
39														
40	13C-PeCB-111	335.924	1.000	34.07	33.90	1.30483	1197.90	0.0590		0.1	0.04457	0.66	NO	
41														
42	Function 3 PFK	380.976	1.000			0.00								
43	Function 4 PFK	380.976	1.000			0.00								
44	Function 5 PFK	480.970	1.000			0.00								

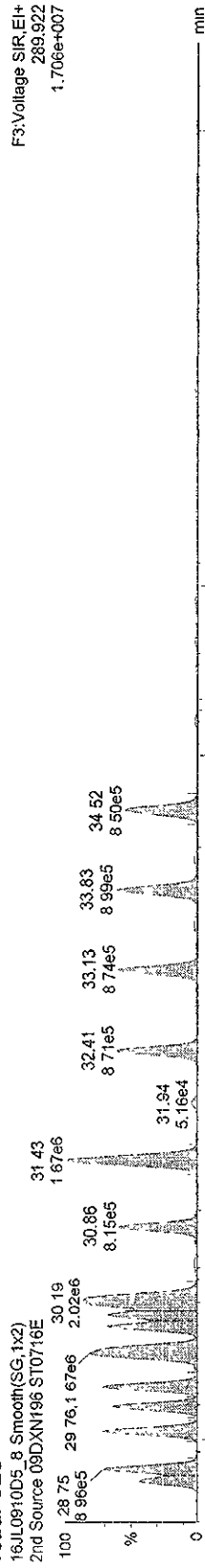
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\Default.pro\ICA0716200910D5\1668MSLDEC2ndSource.qld

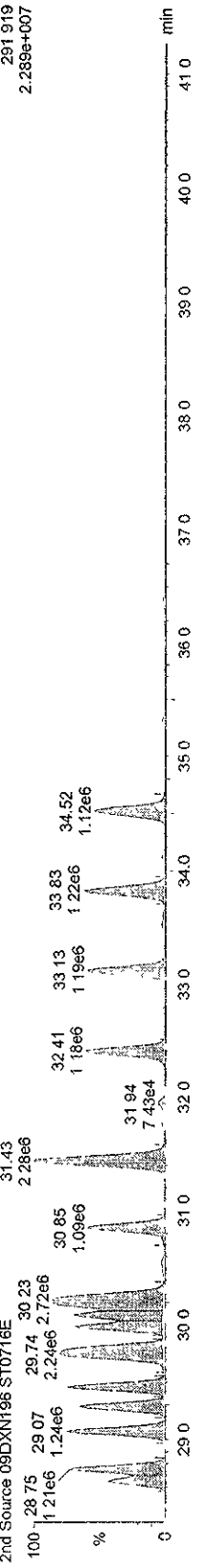
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16.JL.0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

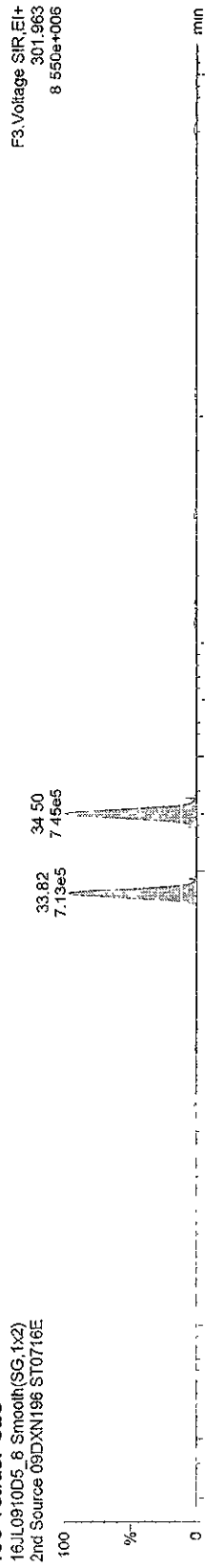
**TetraPCBs**



**13C-TetrakisPCBs**



**13C-TetrakisPCBs**



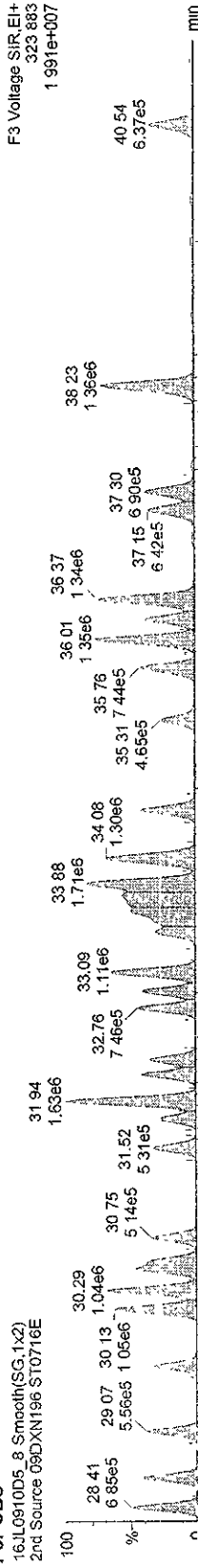
Quantify Sample Report MassLynx 4.1

Dataset: C:\masslynx\Default.pro\ICA0716200910D51668MSLDEC2ndSource.qld

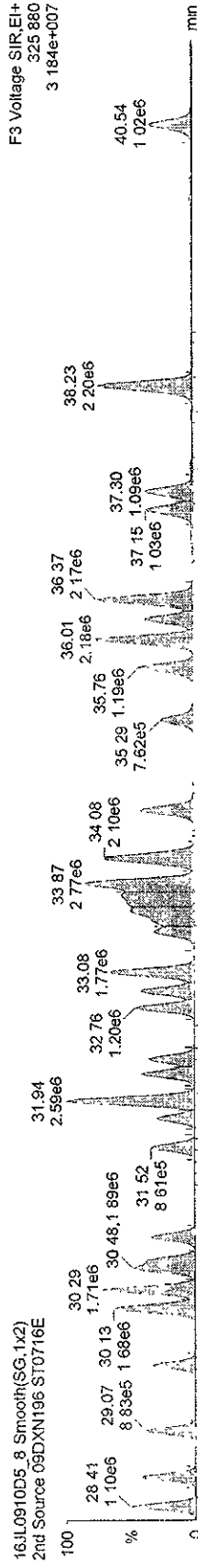
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16.JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

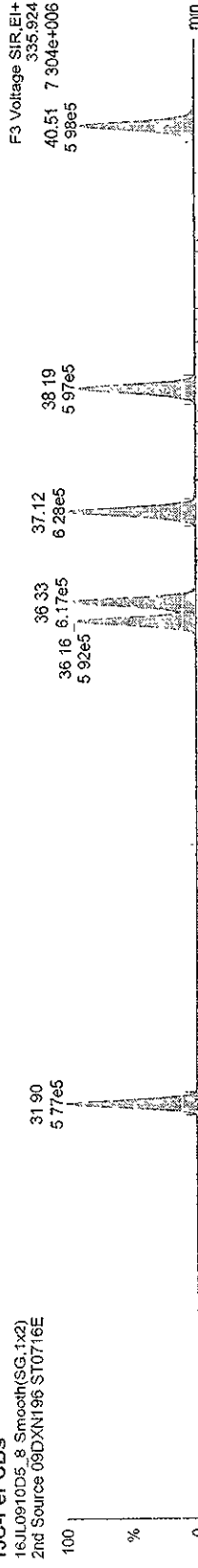
PePCBs



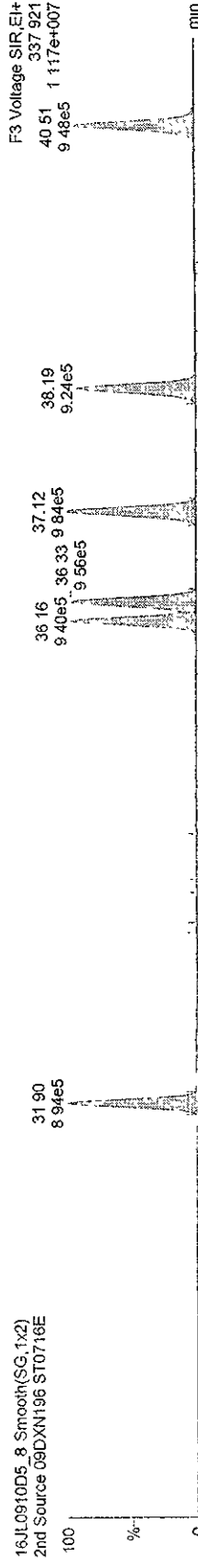
16.JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E



13C-PePCBs



16.JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E



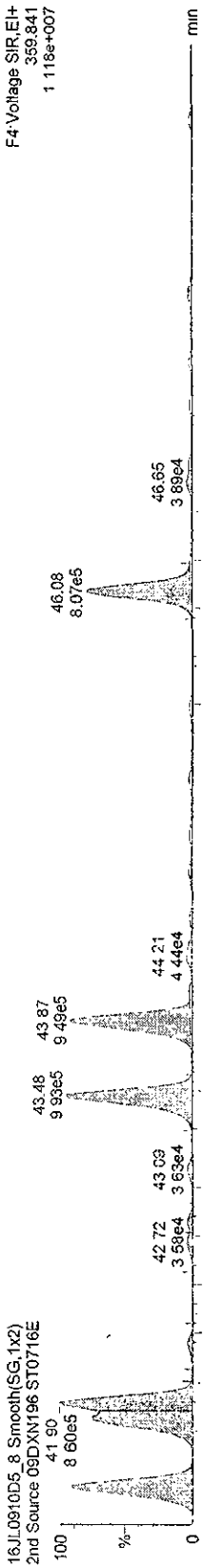
Quantify Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC2ndSource.qld

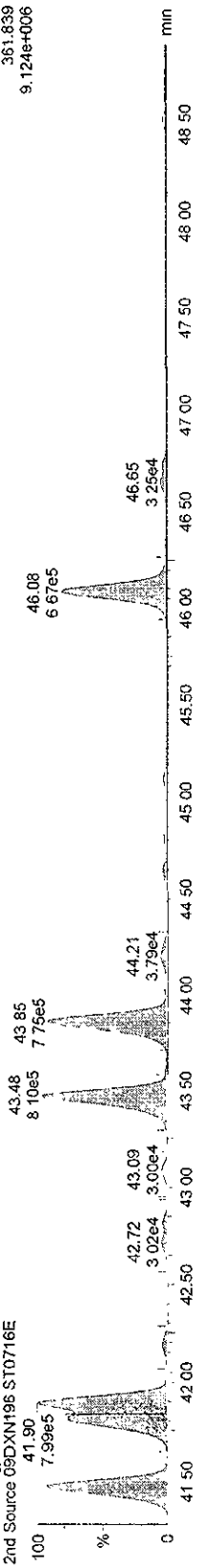
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16.L0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

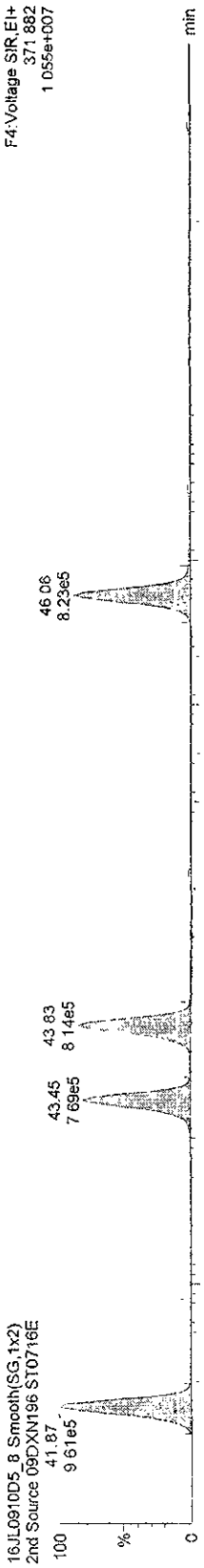
HXPCBs-



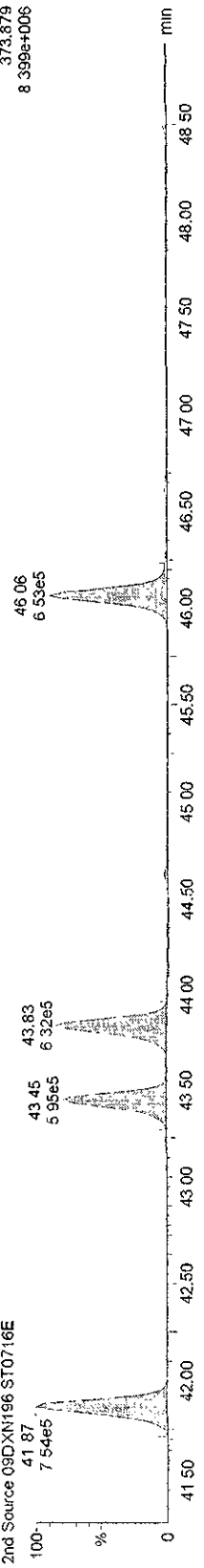
13C-HXPCBs



13C-HXPCBs



13C-HXPCBs

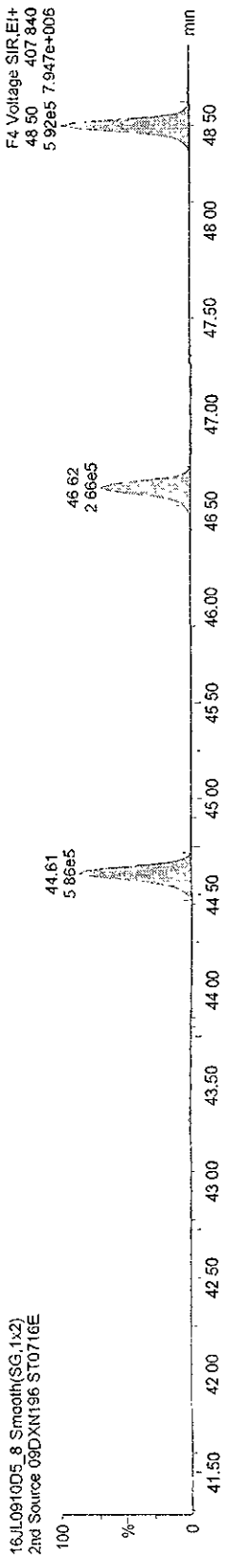
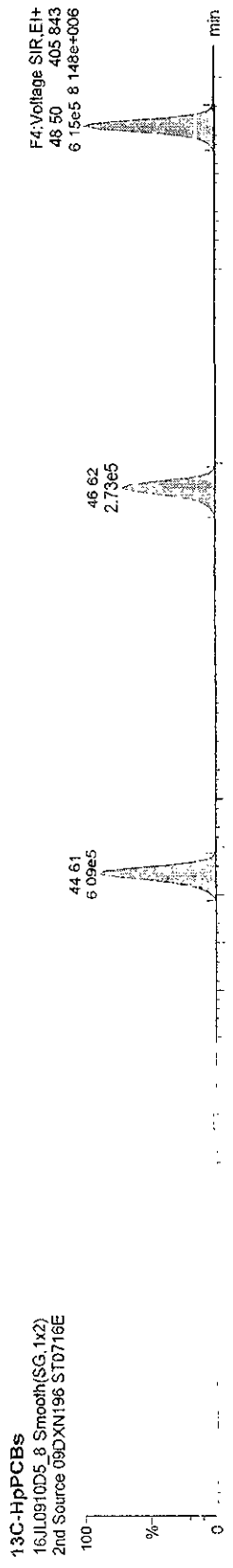
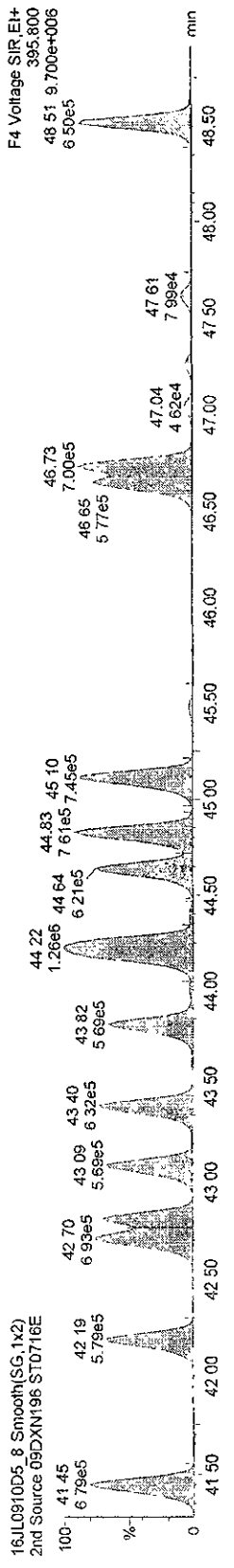
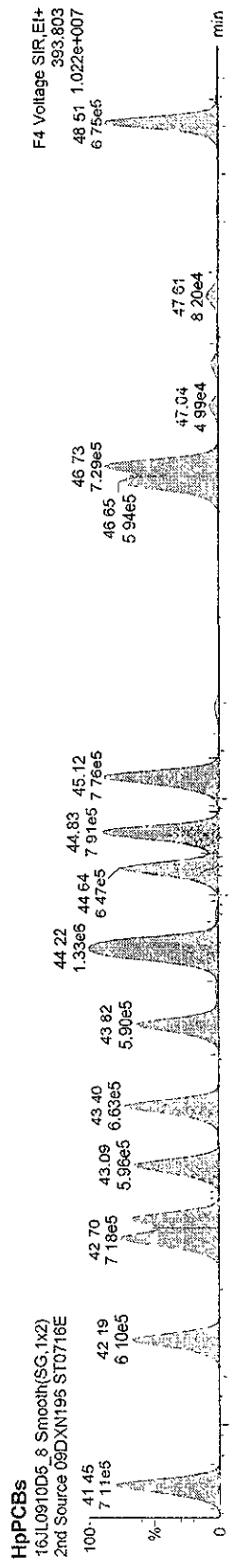


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51688MSLDEC2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196



Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro\CA0716200910D51668M\SLDEC2\ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

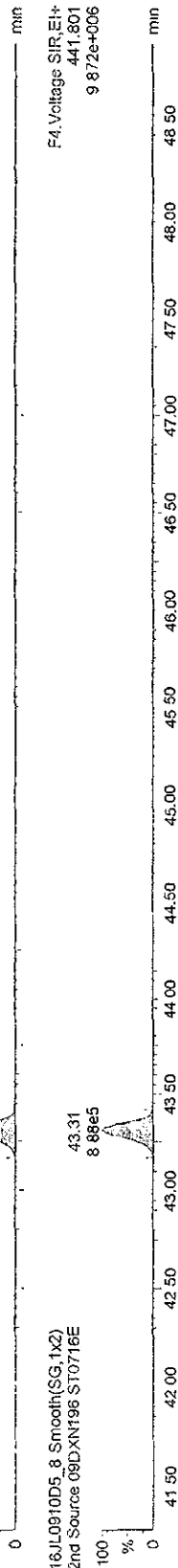
Name: 16.JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

13C-OcCB-202

16.JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E

43.31  
8.01e5

F4 Voltage SIR.EI+  
439.804  
8.944e+006



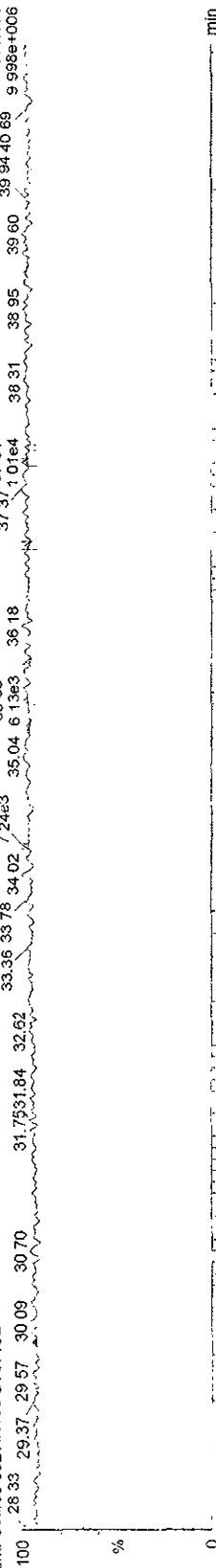
16.JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E

F4 Voltage SIR.EI+  
441.801  
9.872e+006

Function 3 PFK

16.JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E

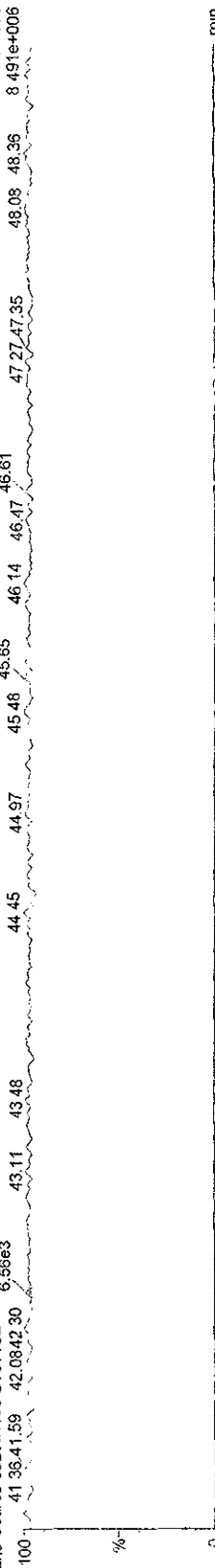
F3 Voltage SIR.EI+  
380.976  
9.998e+006



Function 4 PFK

16.JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E

F4 Voltage SIR.EI+  
380.976  
8.491e+006

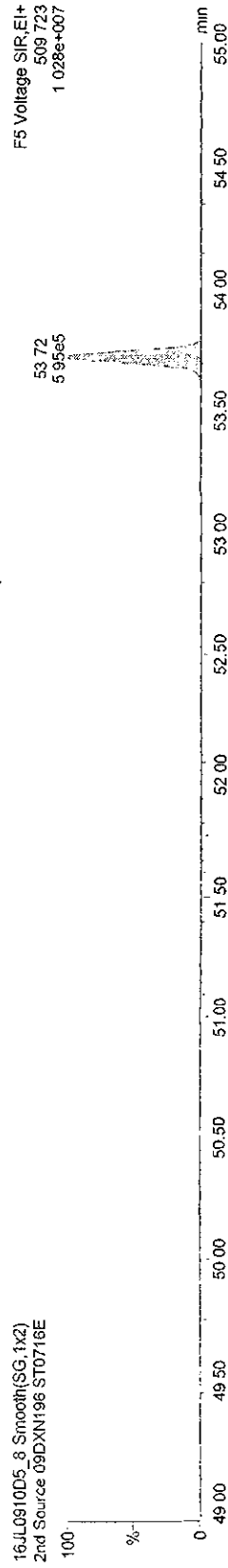
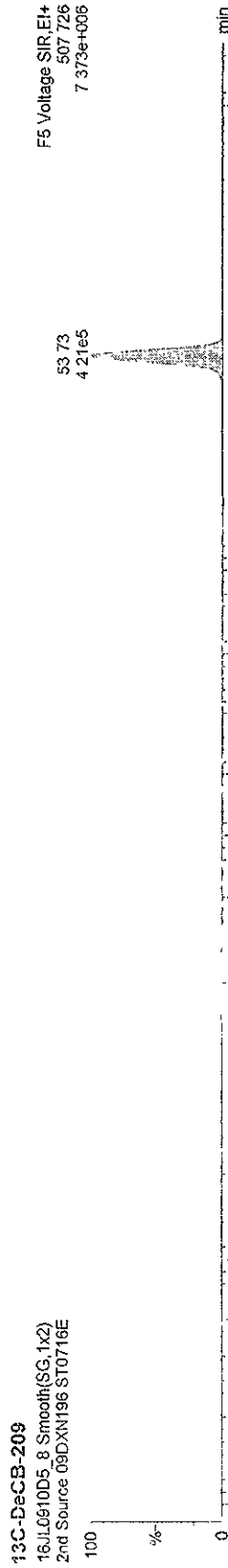
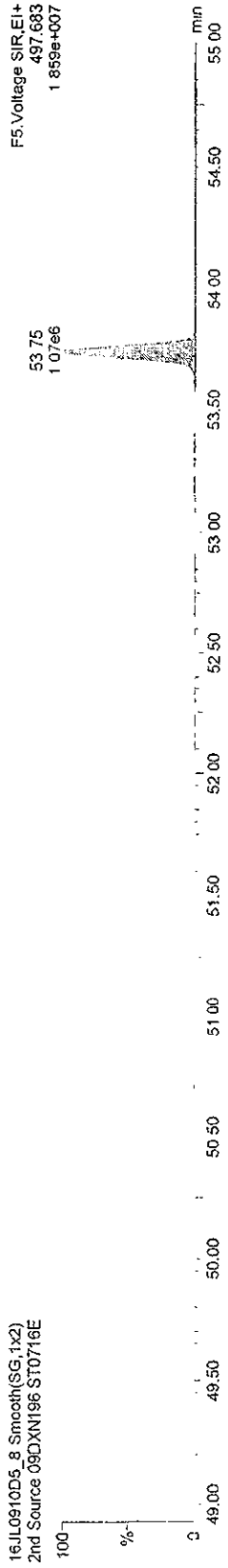
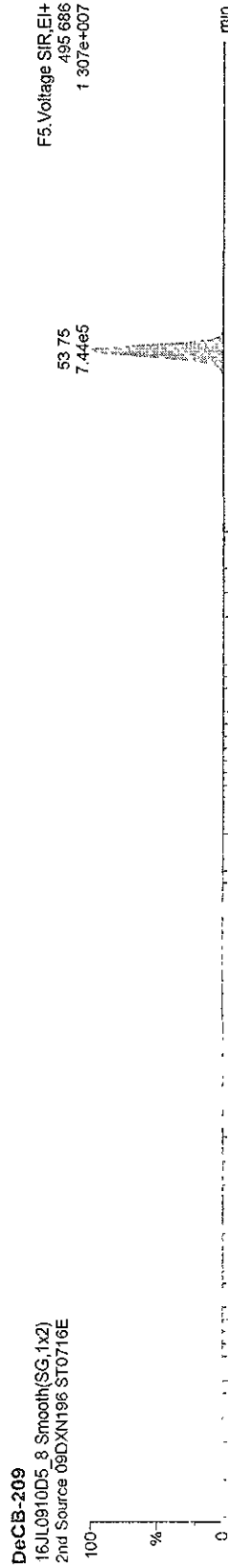


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\ICA0716200910D51668M\SLDEC2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16.JL0910D5\_8\_Date: 16-Jul-2009, Time: 16:30:36, ID: ST0716E, Description: 2nd Source 09DXN196



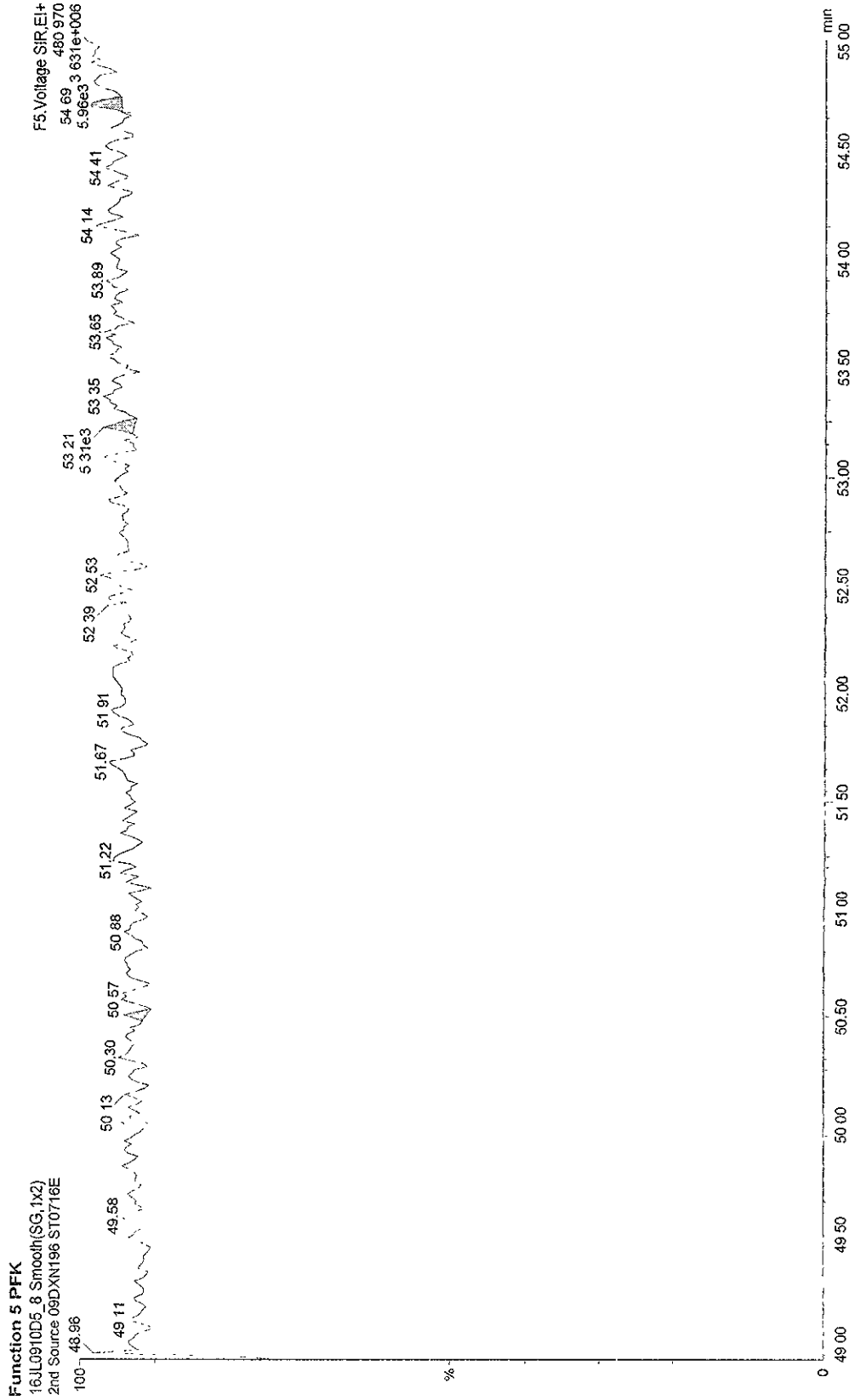


Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default pro\CA0716200910D51668MSLDEC2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

Data Checklist  
HRGCMS/LRGCMS Analyses

THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 9302443 Method ID: 1068

Data Analyst: Sh **DB-5** **DB-225**  
 Date initiated: 11/3/09  
 Reviewer: [Signature]  
 Date reviewed: 11/4/09

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Method Blank present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-LCS/DCS copy present and meets native recovery criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard recoveries within limits?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Ion ratios within + 15% of theoretical values?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Other QC (Dup,MS,SD) within specs?*	<u>NR</u>	<u>NR</u>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All raw data present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Standard target DL's used? If RL's are used specify: <u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-DL's below TDL / LCL (please circle)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-All positives reported at levels greater than method blank DL's?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Correct RRF's used for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Internal standard amounts correct for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Target analytes are not saturated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Dilution/splitting of extract taken into account?	<u>NR</u>	<u>NR</u>	<input type="checkbox"/>	<input type="checkbox"/>
-Have dilution calculations been verified?	<u>NR</u>	<u>NR</u>	<input type="checkbox"/>	<input type="checkbox"/>
-Has a manual calculation for the sequence(s) been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Are retention times (RT) correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-Manual integrations checked?	<u>NR</u>	<u>NR</u>	<input type="checkbox"/>	<input type="checkbox"/>

Comments: (Use other side if necessary) ① 98308

* Recovery limits:	**RPD limits:
NCASI 551	50%
Method 8290:	20%
Method 1613:	50%
Method 23:	50%
PCBs:	50%
Method 8280:	
DFLM01.0:	
Method 1614	

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

Preparation Data Review Checklist

Prep Batch(es) 91302443 Test: WMLB  
 Prep Date: 10.29.09 Holding Times: 9:28.10 to 10:46.15 NCM: Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	/
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	/
5. Spiking volumes are correctly documented	✓	/
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	/
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	/
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	/
2. Balance upload or raw data for weights is included	NA	/
3. Weights and volumes have been transcribed correctly to LIMS.	NA	/
4. Weights are not targeted to meet exact weights.	NA	/
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	/
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	/
2. Are dates and analysts for cleanups recorded?	NA	/
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	/
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMs entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: [Signature] Date: 10/29/09  
 2<sup>nd</sup> Level Reviewer: [Signature] Date: 10/30/09  
 Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

R0C058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 11/11/09  
Time: 9:50:22

LEV	LEV	LEV	LEV
1	2	1	2
Y	Y	Y	Y
Y	Y	Y	Y
-	-	-	-

Blank Check MS/MSD  
Weights/Volumes  
Spike & Surrogate Worksheet  
Vial contains correct volume  
Labels, greenbars, worksheets  
computer batch: correct & all match  
Anomalies to Extraction Method

Expanded Deliverable  
COC Completed  
Bench Sheet Copied  
Package Submitted to Analytical Group  
Bench Sheet Copied per COC

Extractionist: 002084 Ceasar Cortez

Concentrationist: 006625 Elizabeth Nguyen

\*\*\*\*\*  
\* QC BATCH: 9302443 \*  
\* PREP DATE: 10/29/09 19:30 \*  
\* COMP DATE: 10/30/09 11:30 \*  
\*\*\*\*\*

Reviewer/Date: NGUYENE / 10/30/09

PCBS, HRGC/HRMS (1668)  
SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID
9/28/10	10/23/09	G9J290159-006 LLM8X-1-AC	D	4W	Q8 SOLID	5.00g 30.00uL	NA	NA	NA TOL	300.0	.0 100.0UL IS09DXN324
9/28/10	10/23/09	G9J290159-007 LLM81-1-AC	D	4W	Q8 SOLID	10.12g 20.00uL	NA	NA	NA TOL	300.0	.0 100.0UL IS09DXN324
10/26/10	11/25/09	G9J280227-006 LNE02-1-AA	D	4W	Q8 SOLID	5.85g 20.00uL	NA	NA	NA TOL	300.0	.0 100.0UL IS09DXN324
10/26/10	11/25/09	G9J280227-007 LNE1C-1-AC	D	4W	Q8 SOLID	10.57g 20.00uL	NA	NA	NA TOL	300.0	.0 100.0UL IS09DXN324
9/28/10	0/00/00	G9J290000-443 LNHRD-1-AAB		4W	Q8 SOLID	10.00g 20.00uL	NA	NA	NA TOL	300.0	.0 100.0UL IS09DXN324
9/28/10	0/00/00	G9J290000-443 LNHRD-1-ACC		4W	Q8 SOLID	10.00g 20.00uL	NA	NA	NA TOL	300.0	.0 100.0UL NS09DXN303 100.0UL IS09DXN324

R = RUSH  
E = EPA 600  
M = CLIENT REQ MS/MSD

C = CLP  
D = EXP.DEL)

NUMBER OF WORK ORDERS IN BATCH: 6

**TestAmerica West Sacramento  
High Resolution Prep Log  
PCB Solid Analysis**

Box # 5  
 Shared QC Batch: 9302443  
 Shares QC With: NA



Internal COC:	
Delivered to Inst.:	<u>L 10-30-09</u>
Inst Receipt:	

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	<u>H2N100</u>
Hexane	Baker	<u>H28E28</u>
H2SO4	Baker	<u>NA</u>
20% DCM:Hexane	NA	<u>NA</u>
65% DCM:Hexane	NA	<u>NA</u>
Silica Gel	<u>Wako</u>	<u>22-22</u>
Acid Alumina	<u>NA</u>	<u>NA</u>

**Batch: 9302443**  
 MS Run #:  
 Prep Date: 10/29/2009  
 Method: Q8 1668  
 Matrix: A SOLID  
 Extraction: 4W SOXHLET (NOMINAL)  
 QC: 6Q CLIENT: STD BZ  
 SAC: Q8 - A - 4W - 6Q  
 Soxhlet time on: 11:30 Soxhlet time off: 11:40

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 10g nom.	Final Volume		Analysis Hold Time Expires
					20uL	Other	
G9J290159 - 6	*	LLM8X1AC	9/28/2010	<u>5.00</u>			9/28/2010
G9J290159 - 7		LLM811AC	9/28/2010	<u>10.12</u>			9/28/2010
G9J280227 - 6		LNE021AA	10/26/2010	<u>5.05</u>			10/26/2010
G9J280227 - 7		LNE1C1AC	10/26/2010	<u>10.57</u>		<u>10-30-09</u>	10/26/2010
G9J290000 - 443	B	LNHRD1AA	9/28/2010	<u>10.00</u>			9/28/2010
G9J290000 - 443	C	LNHRD1AC	9/28/2010	<u>11.00</u>			9/28/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs: \* sample at 6 would not blow down the 20ul EV - EV ≈ 40-50ul per test vial - data recorded here on 11/11/09. Result measured volume is actually 30ul. 8/11/09

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:	
Internal Standard All Samples	<u>100 P1000X1097A</u>	<u>6-24-10</u>	<u>CC</u>	<u>[Signature]</u>	<u>10-29-09</u>	
Spike Mix LCS/LCSD/MS/MS						
Cleanup Standard All Samples						
Recovery Standard All Samples	<u>00.P2090X1097A</u>	<u>1-28-10</u>	<u>L</u>	<u>[Signature]</u>	<u>10-30-09</u>	
Soxhlet Extraction Analyst/Date	<u>CC/10-29-09</u>					
	Split/Archive Analyst/Date	Option C Analyst/Date	PCB Silica Gel Analyst/Date	PCB Acid Alumina Analyst/Date	Hg Analyst/Date	GPC Analyst/Date
			<u>L 10-30-09</u>			

AIR, 1668,  
WHO PCB congeners

# **Raw Data Package**



## **Run/Batch Data**

*Includes (as applicable):*

*runlogs*

*continuing calibration standards*

*interference/performance check standards*

*continuing calibration blanks*

*method blanks*

*ics*

*ms/sd*

*sample raw data*

*ms tune data*

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethodB11668MSL10DB5.mdb 05 Oct 2009 10:40:41  
 Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

*AK*  
*10/15/09*

Name: 090C0910D5\_42, Date: 11-Oct-2009, Time: 00:47:32, ID: LLV27-1-AA, Description: G91290159-1MB, Task:

# Name	Trace	Sample Size	RT	Prod RT	RRF M.	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
1	13C-PeCB-101	335.924	0.500	31.95	32.31	1.000	898842.72	4000.0000	4000.0000	100.0	2.7870	0.628	0.610	NO
2														
3	13C-TeCB-81	301.963	0.500	33.84	33.86	1.040	653237.34	2795.6328	2795.6328	69.9	3.2380	0.787	0.770	NO
4	TeCB-81	289.922	0.500	33.86	33.84	1.458	159.73	0.6707	0.4706	0.8957	0.439	0.770	YES	
5	13C-TeCB-77	301.963	0.500	34.53	34.55	1.104	692623.50	2791.1703	2791.1703	69.8	3.0490	0.806	0.770	NO
6	TeCB-77	289.922	0.500	34.53	34.53	1.271	451.79	2.0535	2.0535	0.9929	0.829	0.770	NO	
7														
8	13C-PeCB-123	335.924	0.500	36.21	36.21	0.993	597226.45	2675.8543	2675.8543	66.9	2.8060	0.631	0.610	NO
9	PeCB-123	323.883	0.500	36.39	36.21	1.505	3271.86	14.5569	14.5569	0.8841	0.639	0.610	NO	
10	13C-PeCB-118	335.924	0.500	36.38	36.38	1.024	642174.14	2790.6063	2790.6063	69.8	2.7215	0.641	0.610	NO
11	PeCB-118/106	323.883	0.500	36.38	36.38	1.525	622958.20	2673.5875	2673.5875	66.8	2.6878	0.637	0.610	NO
12	13C-PeCB-114	335.924	0.500	37.17	37.15	1.037	622958.20	2673.5875	2673.5875	66.8	2.6878	0.637	0.610	NO
13	PeCB-114	323.883	0.500	37.18	37.17	1.586	163.41	0.6616	0.6616	0.7948	0.648	0.610	NO	
14	13C-PeCB-105	335.924	0.500	38.22	38.22	0.982	623365.70	2826.3441	2826.3441	70.7	2.8395	0.625	0.610	NO
15	PeCB-105/127	323.883	0.500	38.24	38.22	1.433	1019.79	4.5656	4.5656	0.8901	0.675	0.610	NO	
16	13C-PeCB-126	335.924	0.500	40.52	40.52	1.030	726743.94	3139.9714	3139.9714	78.5	2.7059	0.627	0.610	NO
17	PeCB-126	323.883	0.500	40.52	40.52	1.156	622958.20	2673.5875	2673.5875	66.8	2.6878	0.637	0.610	NO
18														
19	13C-OcCB-202	439.804	0.500	43.35	43.73	1.000	939088.09	4000.0000	4000.0000	100.0	1.1471	0.896	0.890	NO
20														
21	13C-HxCB-167	371.882	0.500	41.90	41.54	1.002	719371.63	3056.5898	3056.5898	76.4	3.0535	1.285	1.240	NO
22	HxCB-167	359.841	0.500	41.90	41.90	1.348	717479.16	3892.5630	3892.5630	97.3	3.8988	1.313	1.240	NO
23	13C-HxCB-156	371.882	0.500	43.47	43.12	0.785	717479.16	3892.5630	3892.5630	97.3	3.8988	1.313	1.240	NO
24	HxCB-156	359.841	0.500	43.50	43.47	1.688	242.46	0.8006	0.5907	0.5836	0.690	1.240	YES	
25	13C-HxCB-157	371.882	0.500	43.86	43.86	0.835	707424.44	3607.5264	3607.5264	90.2	3.6647	1.288	1.240	NO
26	HxCB-157	359.841	0.500	43.86	43.86	1.660	735706.88	3596.6806	3596.6806	89.9	3.5132	1.276	1.240	NO
27	13C-HxCB-169	371.882	0.500	46.07	46.09	0.871	735706.88	3596.6806	3596.6806	89.9	3.5132	1.276	1.240	NO
28	HxCB-169	359.841	0.500	46.07	46.07	1.098	735706.88	3596.6806	3596.6806	89.9	3.5132	1.276	1.240	NO
29														
30	13C-HpCB-180	405.843	0.500	44.65	44.63	0.684	548845.78	3417.6731	3417.6731	85.4	1.5197	1.061	1.050	NO
31	HpCB-180	393.803	0.500	44.65	44.65	1.300	603.00	3.3796	2.3929	0.9709	0.569	1.050	YES	

Dataset: C:\MassLynx\Default\pro1090CC0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Name: 090CC0910D5\_42, Date: 11-Oct-2009, Time: 00:47:32, ID: LLV27-1-AA, Description: G91290159-1MB, Task:

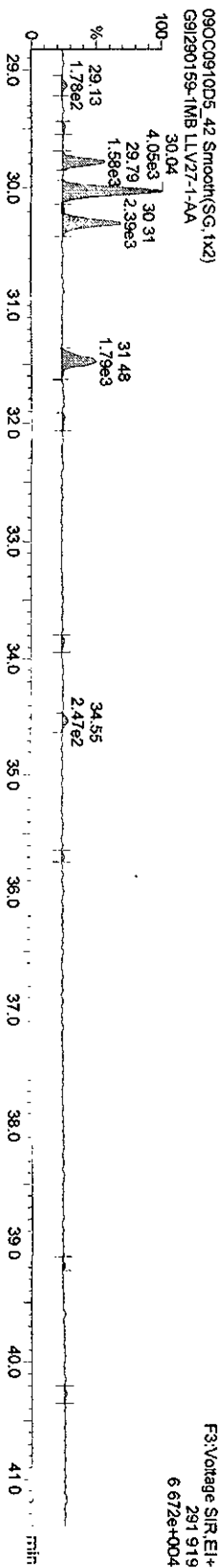
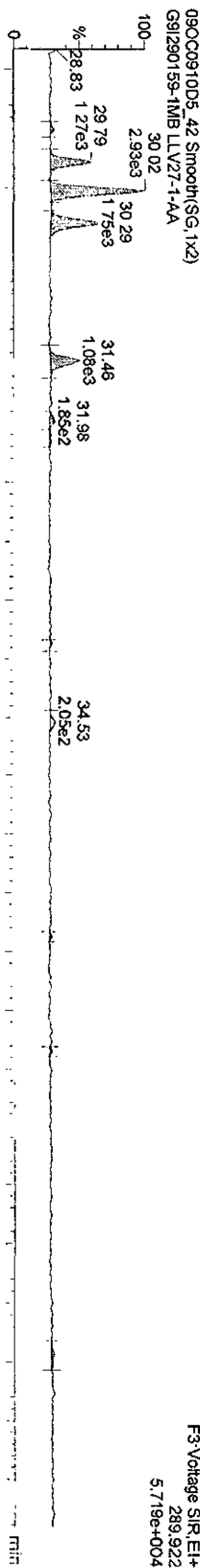
# Name	Trace	Sample Size	RT	Pd:RT	RRF:M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Pd:Ratio	Ratio	Mod Date
32 13C-HpCB-170	405.843	0.500	46.64	46.65	0.548	476926.89	3708.8334	3708.8334	92.7	1.8978	1.060	1.050	NO	
33 HpCB-170	393.803	0.500		46.64	1.615				N/A	0.8646		1.050	NO	
34 13C-HpCB-189	405.843	0.500	48.52	48.47	0.698	643521.56	3928.8646	3928.8646	98.2	1.4900	1.054	1.050	NO	
35 HpCB-189	393.803	0.500		48.52	1.231				LL	0.7957		1.050	NO	
36														
37 13C-PeCB-111	335.924	0.500	33.71	34.06	1.305	655681.47	3128.6510		78.2	3.4185	0.631	0.610	NO	
38														
39 Function 3 PFK	380.976	1.000			0.00									
40 Function 4 PFK	380.976	1.000			0.00									

Dataset: C:\MassLynx\Default\pro\090C0910D51668MSL.qld

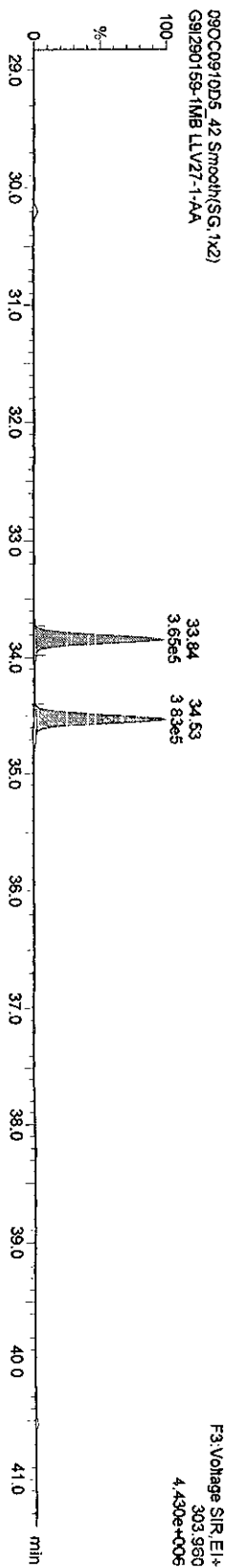
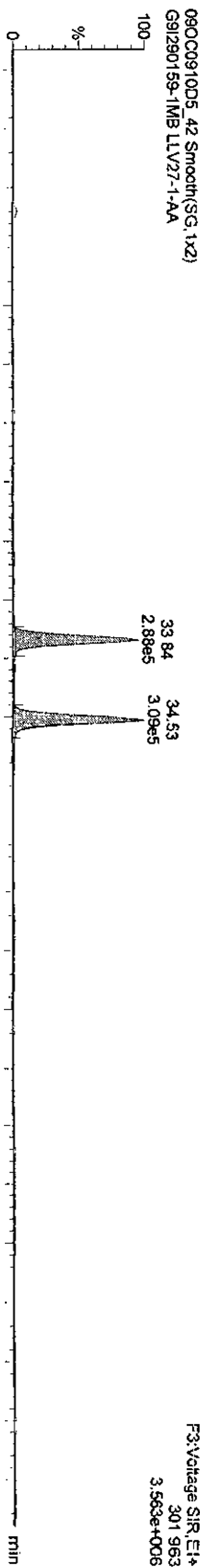
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_42, Date: 11-Oct-2009, Time: 00:47:32, ID: LLVZ7-1-AA, Description: G91290159-1MB

**TetraPCBs**



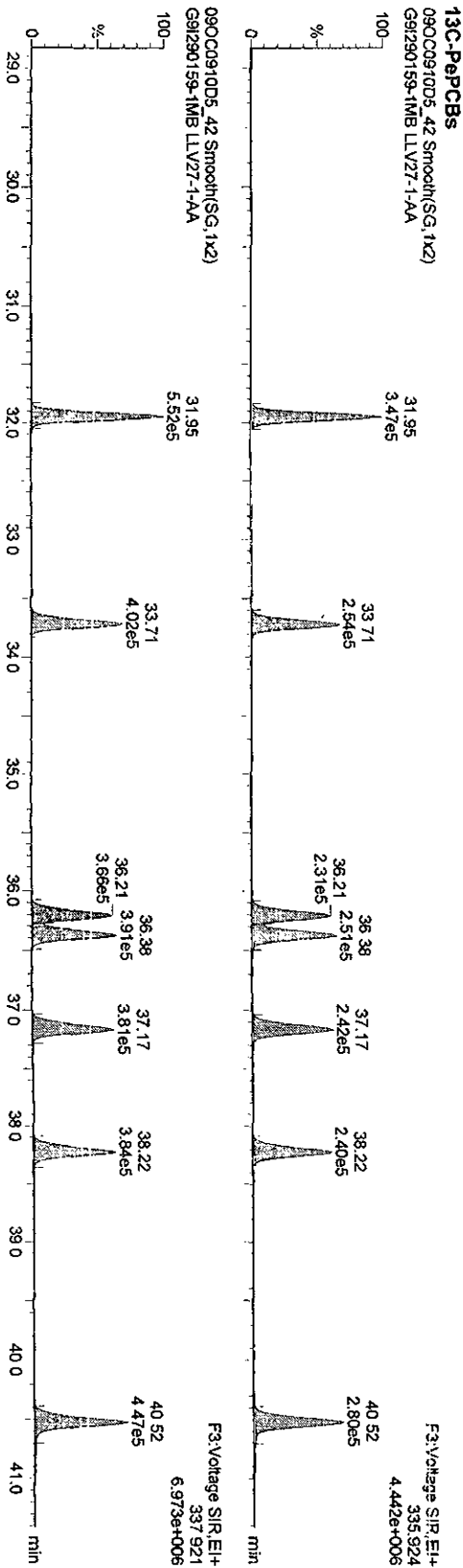
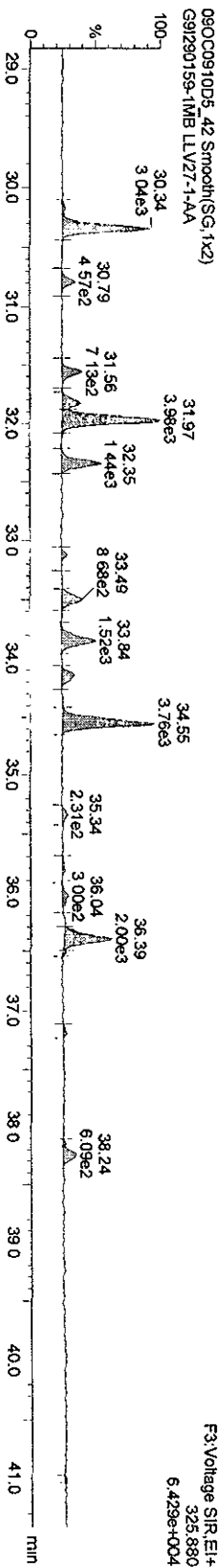
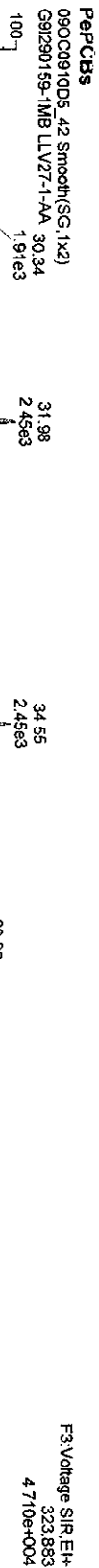
**13C-TetrarPCBs**



Dataset: C:\MassLynx\Default\pro\090C0910D51668MSL.d\id

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

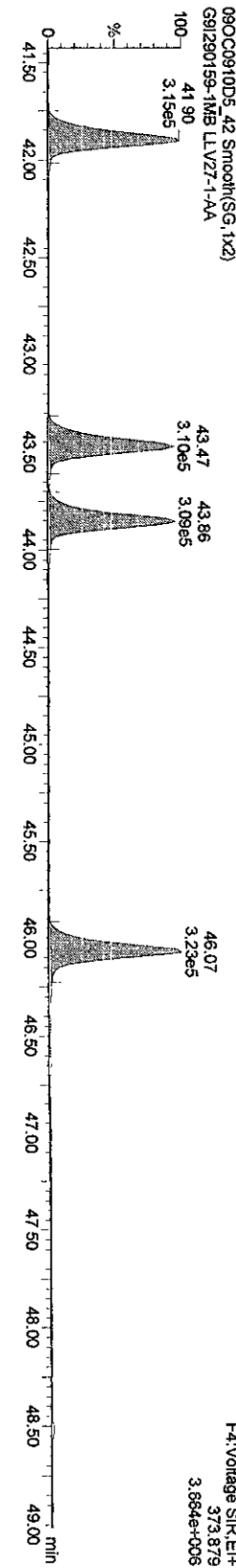
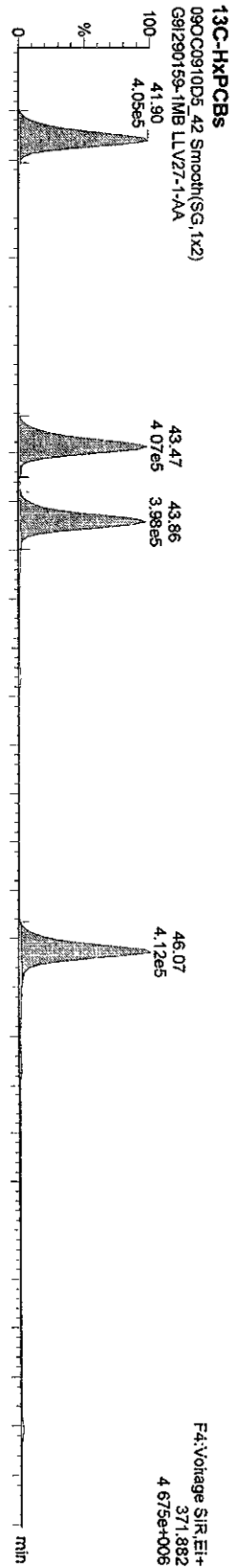
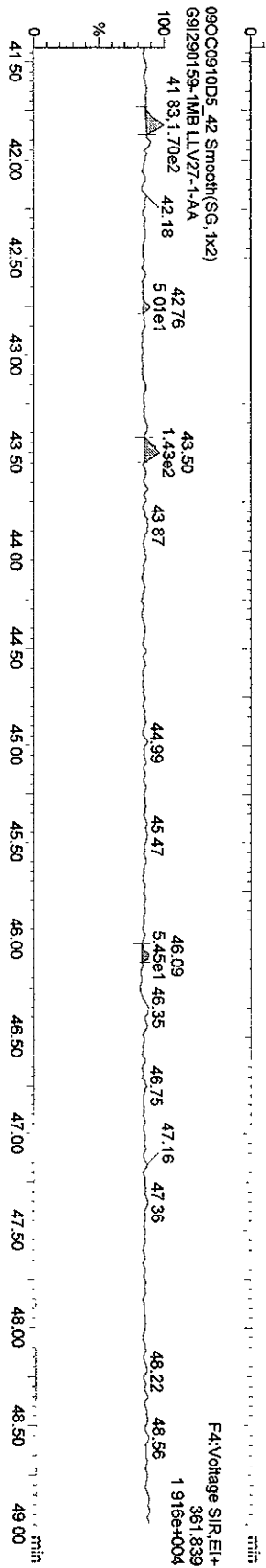
Name: 090C0910D5\_42 Date: 11-Oct-2009, Time: 00:47:32, ID: LLVZ7-1-AA, Description: G91290159-1MB



Dataset: C:\MassLynx\Default\pro\090C0910D5\1668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

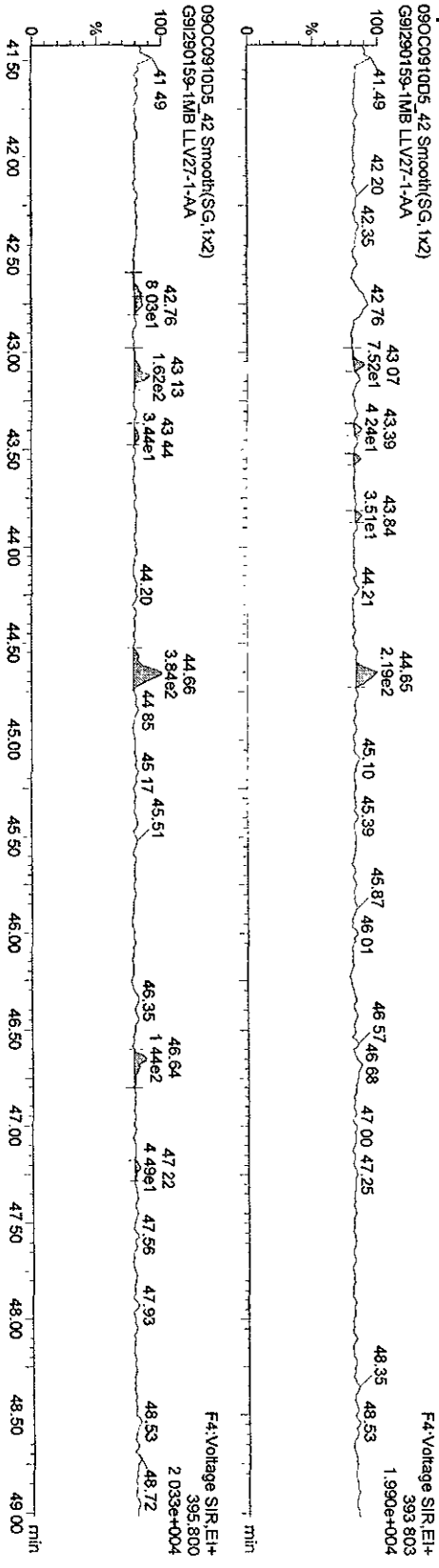
Name: 090C0910D5\_42, Date: 11-Oct-2009, Time: 00:47:32, ID: LLV27-1-AA, Description: G91290159-1MB



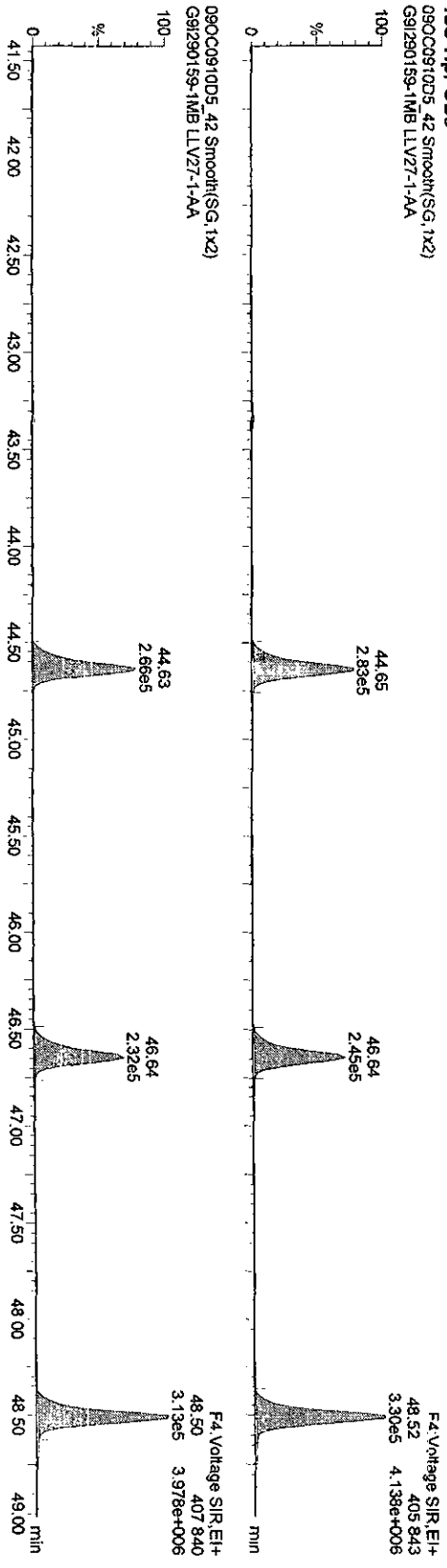
Dataset C:\Masslynx\Default\pro\090C0910D51668MSL.qld  
 Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_42, Date: 11-Oct-2009, Time: 00:47:32, ID: LLV27-1-AA, Description: G91290159-1MB

HPFCBS



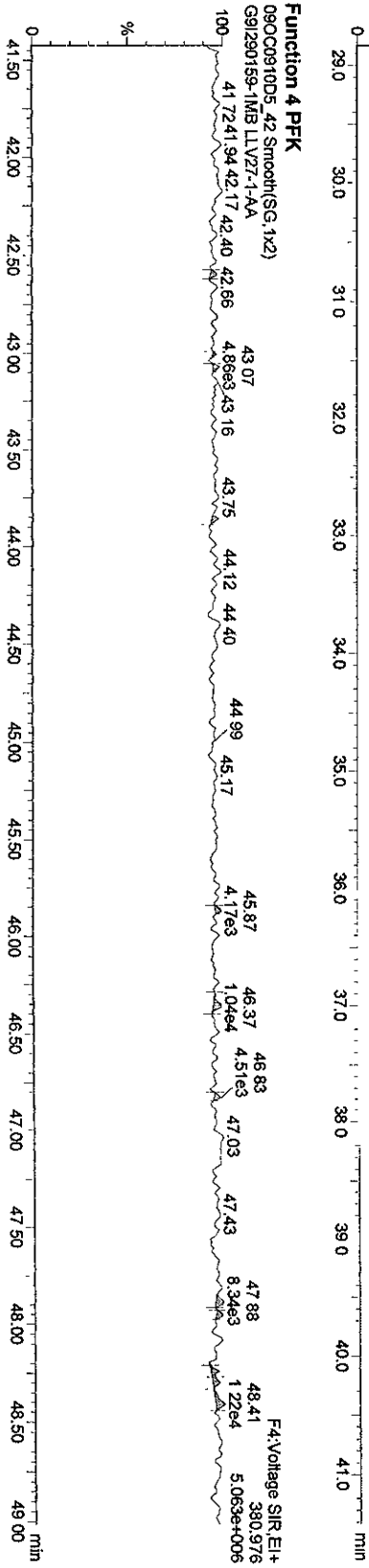
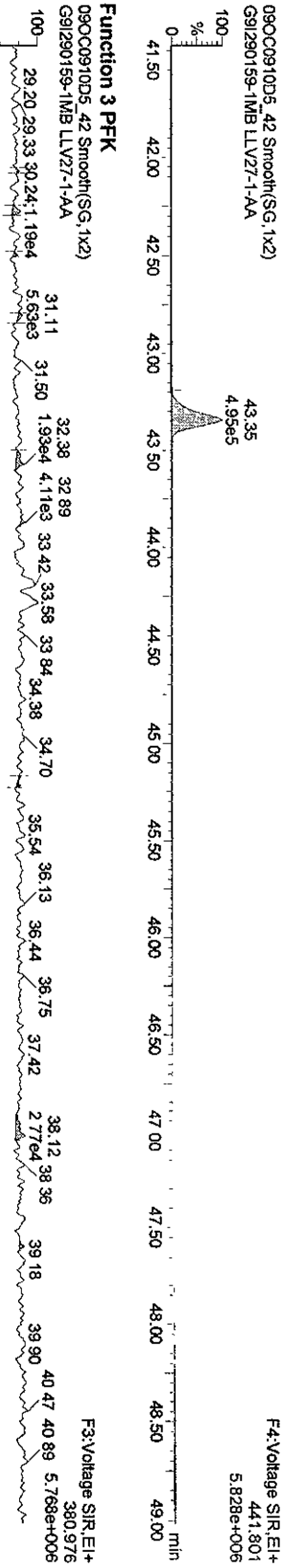
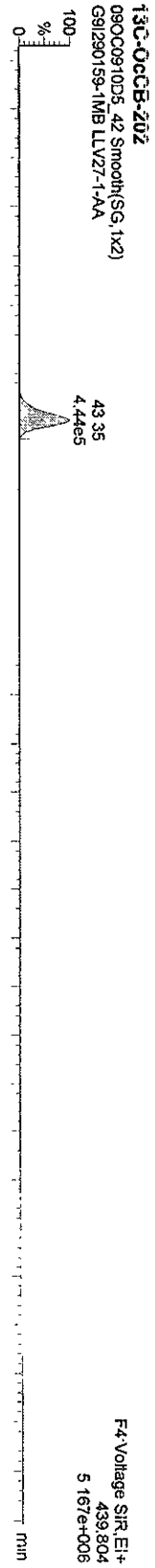
13C-HPFCBS



Dataset: C:\MassLynx\Default\pro\090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_42, Date: 11-Oct-2009, Time: 00:47:32, ID: LLV27-1-AA, Description: G91290159-1MB





Dataset: C:\MassLynx\Default.pro\09OC0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Name: 09OC0910D5\_43, Date: 11-Oct-2009, Time: 01:43:54, ID: LLV27-1-AC, Description: G91290159-LCS, Task:

*AK 10/18/09*

# Name	Trace	Sample Size	RT	Prd RT	RRF M	Abs Resp	Dg	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	0.500	31.95	32.31	1.000	748087.50	4000.0000	4000.0000	100.0	3.0010	0.637	0.610	NO	
2														
3 13C-TeCB-81	301.963	0.500	33.84	33.86	1.040	708665.16	3644.0264	3644.0264	91.1	3.3678	0.803	0.770	NO	
4 TeCB-81	289.922	0.500	33.88	33.84	1.458	1010085.69	3909.3494	3909.3494		2.5741	0.752	0.770	NO	
5 13C-TeCB-77	301.963	0.500	34.53	34.55	1.104	726961.09	3519.9102	3519.9102	88.0	3.1900	0.800	0.770	NO	
6 TeCB-77	289.922	0.500	34.56	34.53	1.271	942169.41	4080.0634	4080.0634		2.9663	0.776	0.770	NO	
7														
8 13C-PeCB-123	335.924	0.500	36.22	36.21	0.993	639148.81	3440.7785	3440.7785	86.0	3.0214	0.615	0.610	NO	
9 PeCB-123	323.883	0.500	36.24	36.22	1.505	972455.47	4042.7759	4042.7759		2.4330	0.624	0.610	NO	
10 13C-PeCB-118	335.924	0.500	36.39	36.38	1.024	673581.03	3516.9558	3516.9558	87.9	2.9304	0.638	0.610	NO	
11 PeCB-118/106	323.883	0.500	36.41	36.39	1.525	974156.69	3792.5159	3792.5159		2.2049	0.627	0.610	NO	
12 13C-PeCB-114	335.924	0.500	37.18	37.15	1.037	659807.69	3402.3906	3402.3906	85.1	2.8942	0.639	0.610	NO	
13 PeCB-114	323.883	0.500	37.20	37.18	1.586	1089490.88	4164.4135	4164.4135		2.2138	0.613	0.610	NO	
14 13C-PeCB-105	335.924	0.500	38.24	38.22	0.982	672025.22	3660.9939	3660.9939	91.5	3.0575	0.635	0.610	NO	
15 PeCB-105/127	323.883	0.500	38.27	38.24	1.433	925885.72	3845.0828	3845.0828		2.4453	0.622	0.610	NO	
16 13C-PeCB-126	335.924	0.500	40.54	40.52	1.030	751048.91	3898.9153	3898.9153	97.5	2.9136	0.625	0.610	NO	
17 PeCB-126	323.883	0.500	40.57	40.54	1.156	861060.53	3967.6820	3967.6820		2.7754	0.622	0.610	NO	
18														
19 13C-OcCB-202	439.804	0.500	43.36	43.73	1.000	850943.16	4000.0000	4000.0000	100.0	1.4402	0.897	0.890	NO	
20														
21 13C-HxCB-167	371.882	0.500	41.92	41.55	1.002	741523.31	3477.0782	3477.0782	86.9	4.1118	1.280	1.240	NO	
22 HxCB-167	359.841	0.500	41.93	41.92	1.348	1097071.16	4390.2827	4390.2827		3.5702	1.261	1.240	NO	
23 13C-HxCB-156	371.882	0.500	43.50	43.13	0.785	732828.63	4387.6762	4387.6762	109.7	5.2502	1.278	1.240	NO	
24 HxCB-156	359.841	0.500	43.51	43.50	1.688	1170073.34	3782.6367	3782.6367		2.9502	1.254	1.240	NO	
25 13C-HxCB-157	371.882	0.500	43.87	43.87	0.835	722027.38	4063.9938	4063.9938	101.6	4.9350	1.278	1.240	NO	
26 HxCB-157	359.841	0.500	43.90	43.87	1.660	1220894.31	4075.3782	4075.3782		2.9960	1.240	1.240	NO	
27 13C-HxCB-169	371.882	0.500	46.09	46.10	0.871	740690.63	3996.1308	3996.1308	99.9	4.7310	1.305	1.240	NO	
28 HxCB-169	359.841	0.500	46.12	46.09	1.098	928719.75	4566.4646	4566.4646		4.4278	1.309	1.240	NO	
29														
30 13C-HpCB-180	405.843	0.500	44.66	44.64	0.684	561129.63	3856.1079	3856.1079	96.4	2.2685	1.047	1.050	NO	
31 HpCB-180	393.803	0.500	44.69	44.66	1.300	724921.75	3973.9938	3973.9938		2.6009	1.039	1.050	NO	
32 13C-HpCB-170	405.843	0.500	46.66	46.66	0.548	497268.39	4267.5848	4267.5848	106.7	2.8330	1.053	1.050	NO	
33 HpCB-170	393.803	0.500	46.69	46.66	1.615	759614.00	3783.4437	3783.4437		2.4712	1.045	1.050	NO	
34 13C-HpCB-189	405.843	0.500	48.53	48.48	0.698	661451.50	4456.6420	4456.6420	111.4	2.2242	1.047	1.050	NO	
35 HpCB-189	393.803	0.500	48.55	48.53	1.231	772885.44	3797.6522	3797.6522		2.0821	1.041	1.050	NO	

Dataset: C:\MassLynx\Default.pro\09OC0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Name: 09OC0910D5\_43, Date: 11-Oct-2009, Time: 01:43:54, ID: LLV27-1-AC, Description: G91290159-LCS, Task:

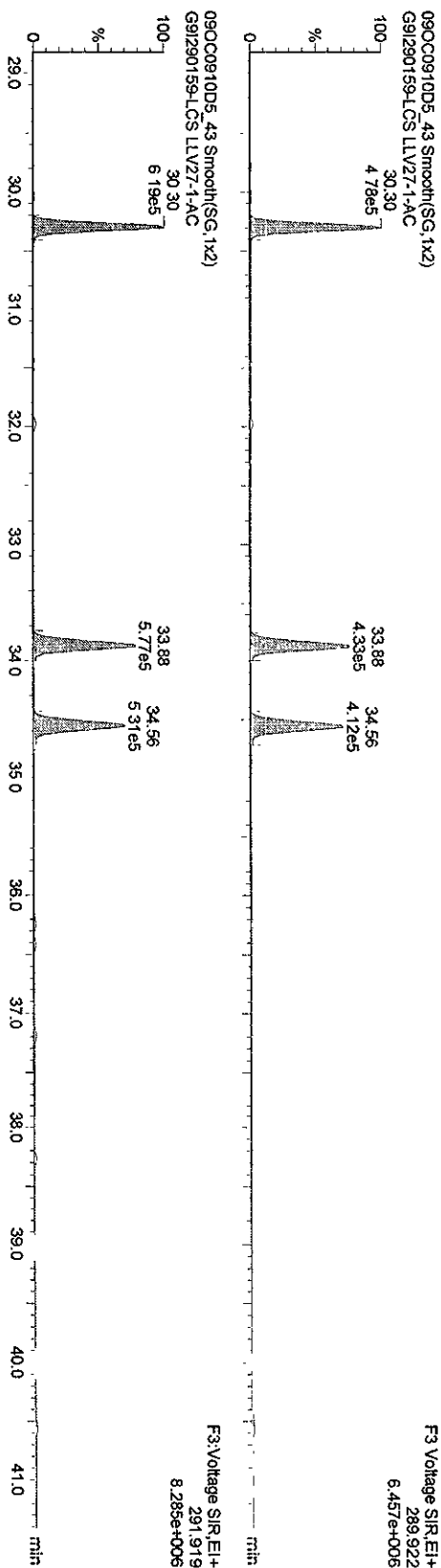
# Name	Trace	Sample Size	RT	Prod RT	RRF M	Abs Resp	pg	EMFC	%Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
36														
37	13C-PecB-111	335.924	0.500	34.06	1.305					3.0018		0.610	NO	
38														
39	Function 3 PFK	380.976	1.000	0.00										
40	Function 4 PFK	380.976	1.000	0.00										

Dataset: C:\MassLynx\Default.pro\09OC0910D51668MSL.qld

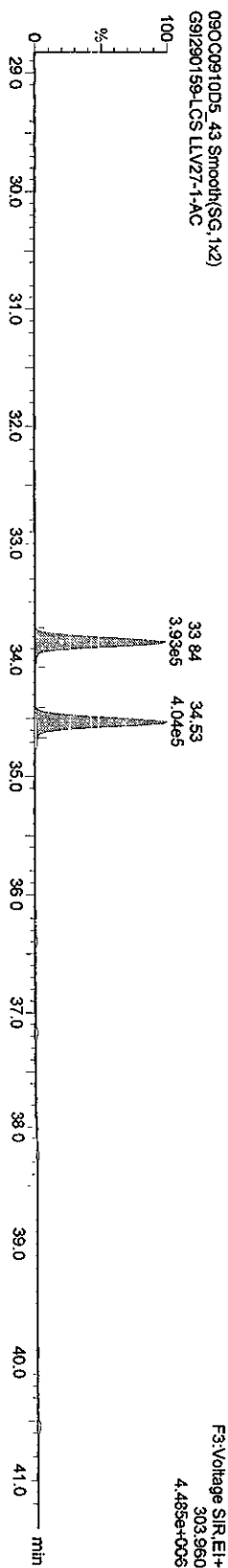
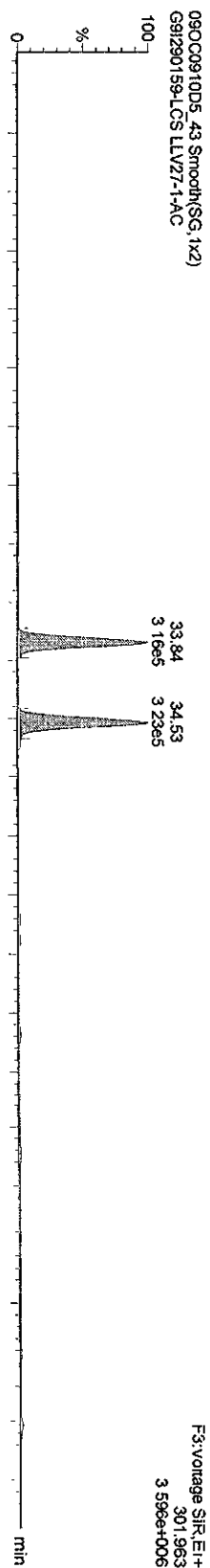
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 09OC0910D5\_43, Date: 11-Oct-2009, Time: 01:43:54, ID: LLVZ7-1-AC, Description: G91290159-LCS

**TetraPCBs**



**13C-TetrPCBs**

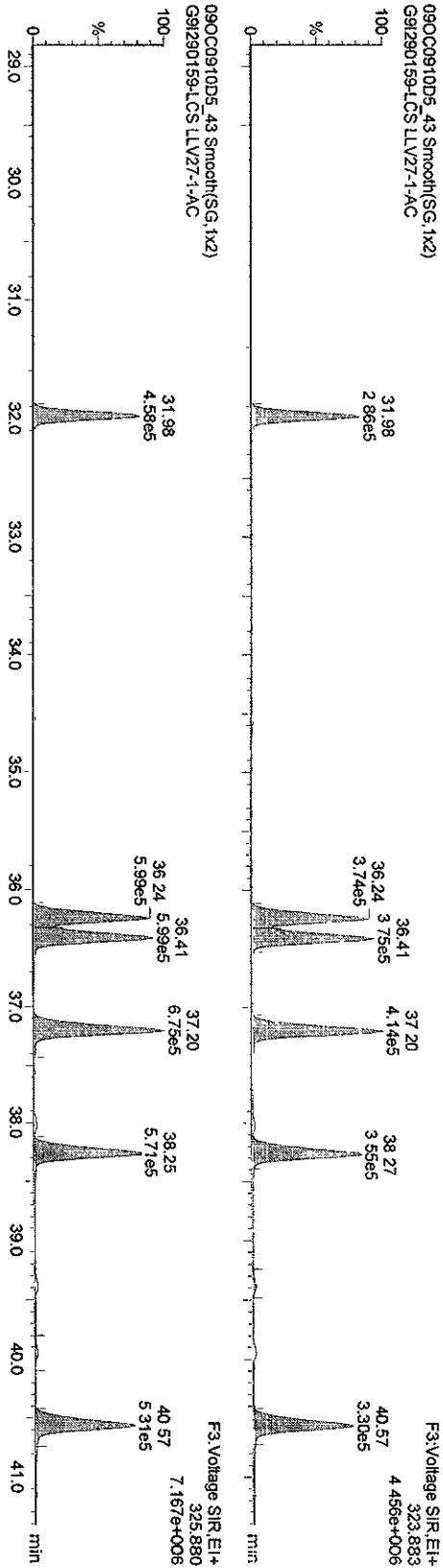


Dataset: C:\MassLynx\Default\pro\09OC0910D51668MSL.qld

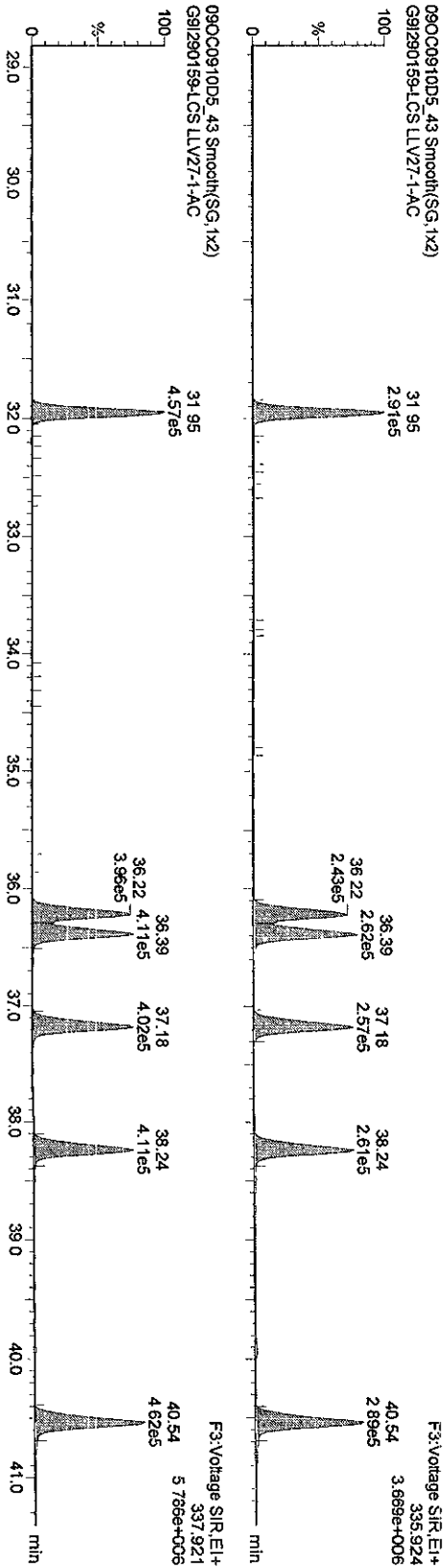
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 09OC0910D5\_43, Date: 11-Oct-2009, Time: 01:43:54, ID: LLVZ7-1-AC, Description: G91290159-LCS

**PaPCBs**



**13C-PEPCBs**

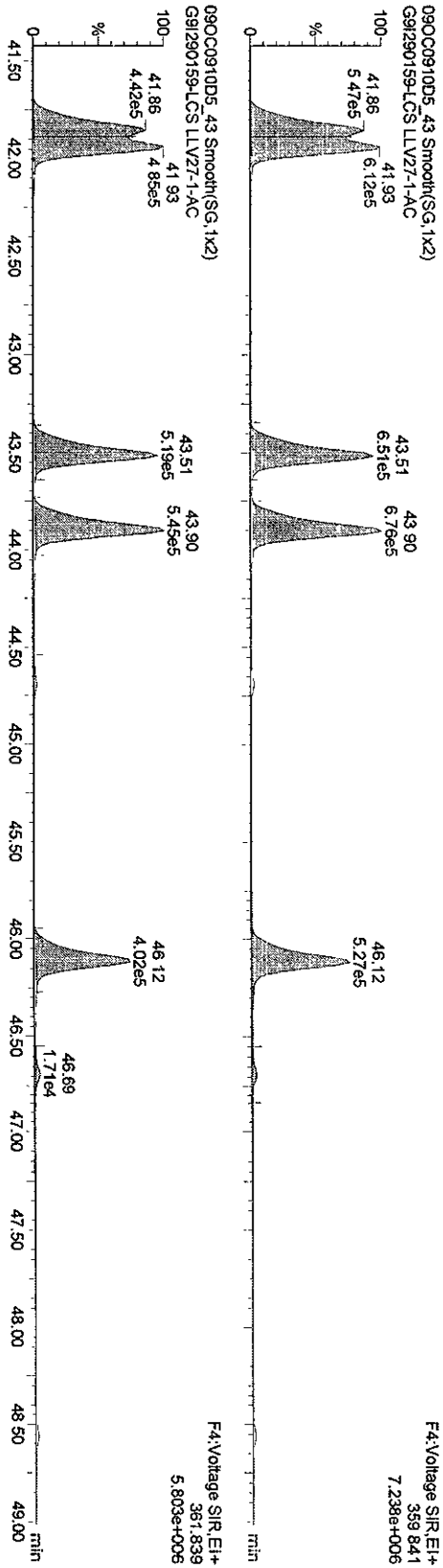


Dataset: C:\MassLynx\Default pro\090C0910D5\1668MSL.qld

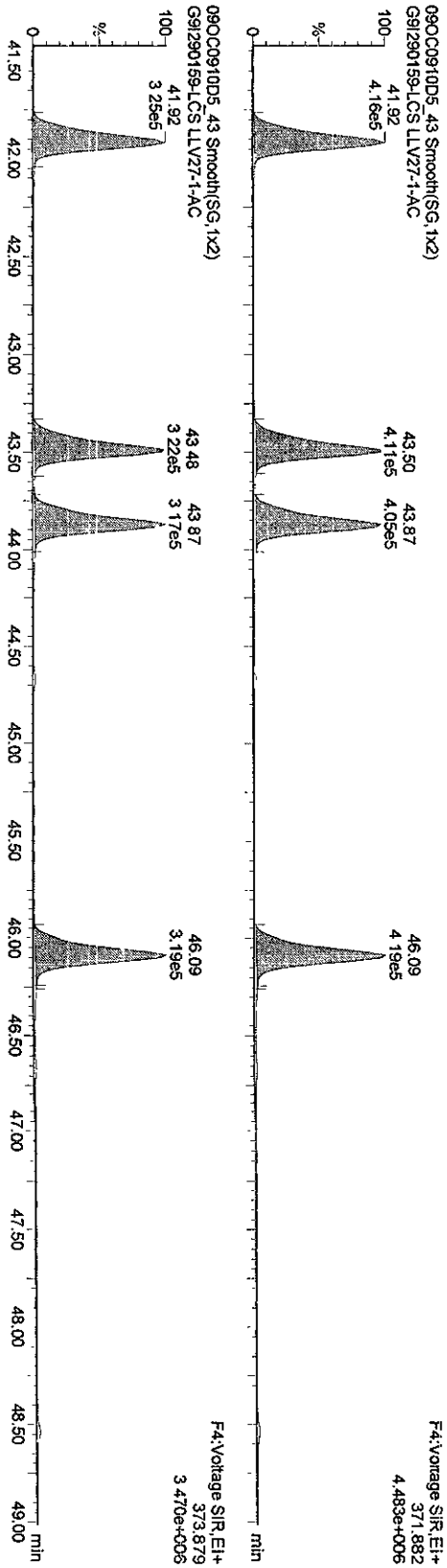
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_43, Date: 11-Oct-2009, Time: 01:43:54, ID: LLVZ7-1-AC, Description: G91290159-LCS

HXPCBs-



13C-HXPCBs

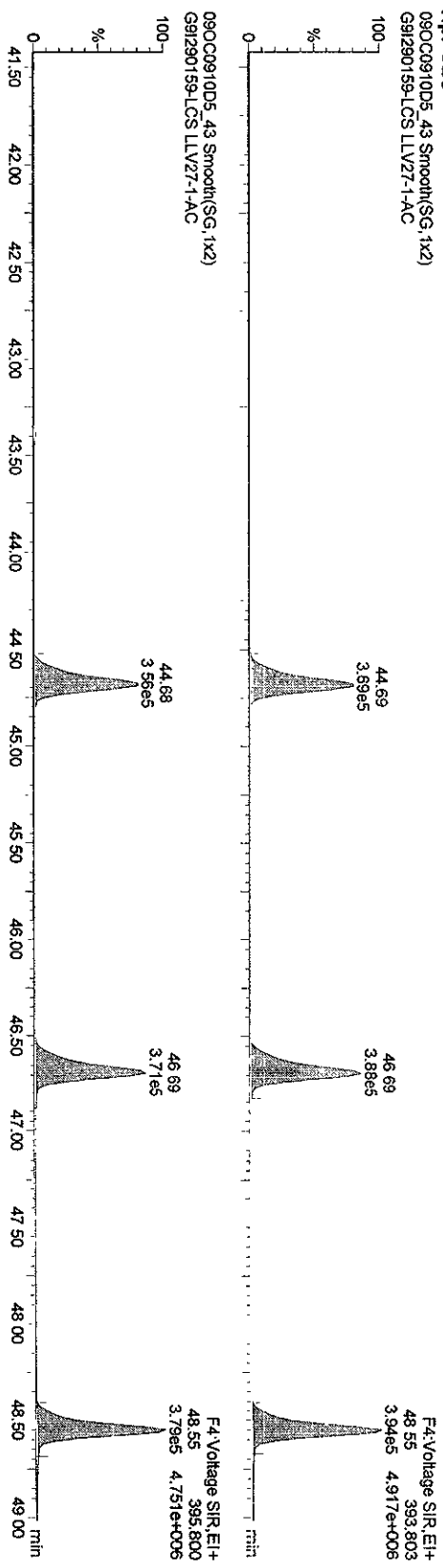


Dataset: C:\MassLynx\Default.pro\090C0910D51668MSL.qld

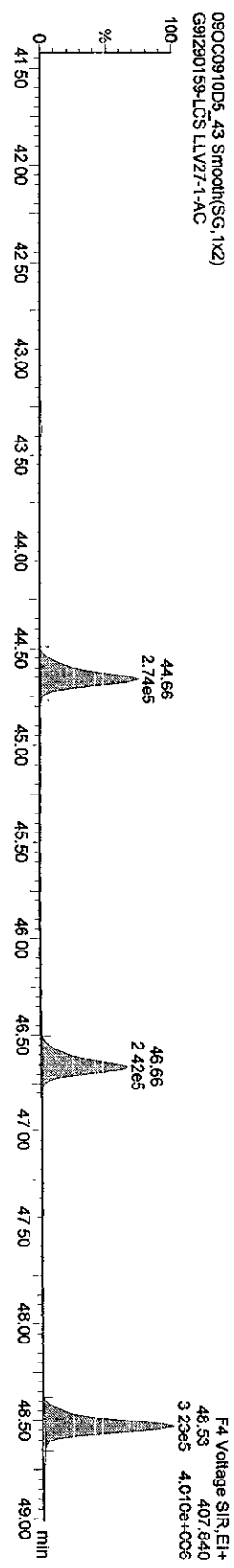
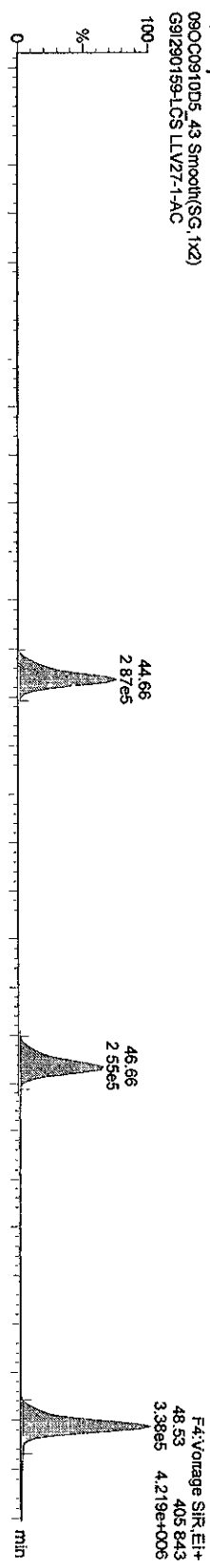
Last Altered: Monday, October 12, 2009 17:26:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_43, Date: 11-Oct-2009, Time: 01:43:54, ID: LLVZ7-1-AC, Description: G91290159-LCS

**HPPCBs**



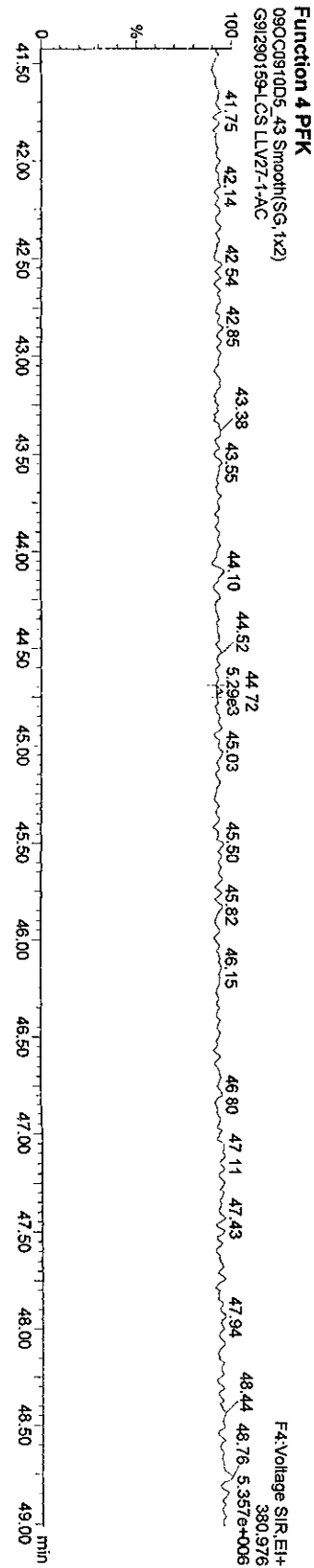
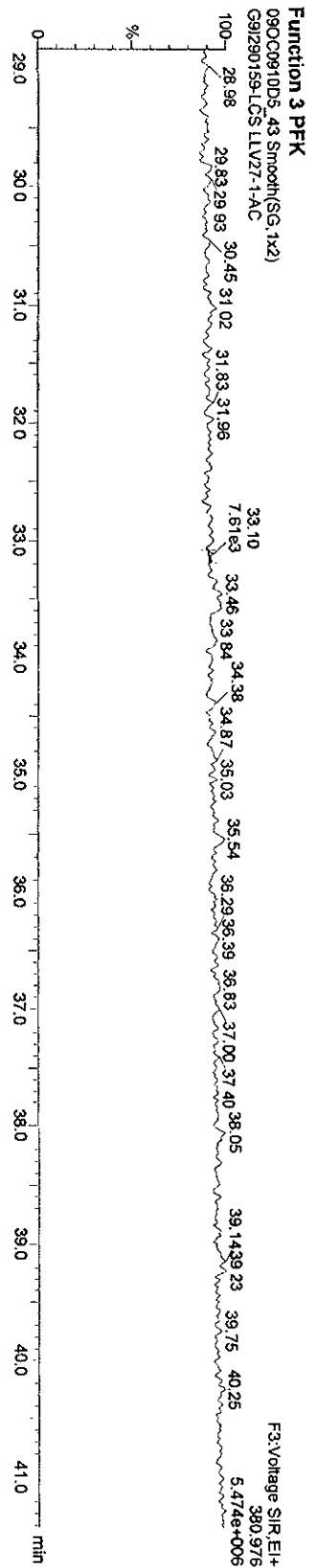
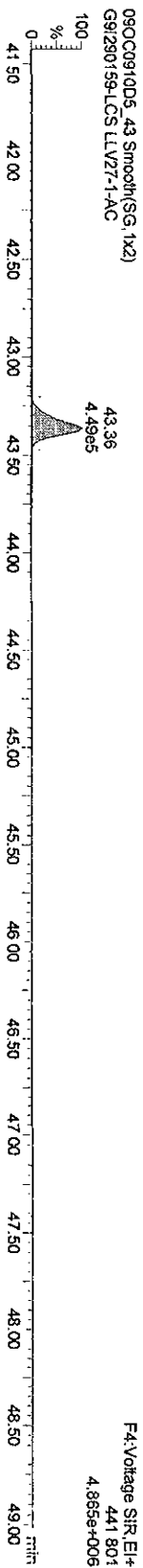
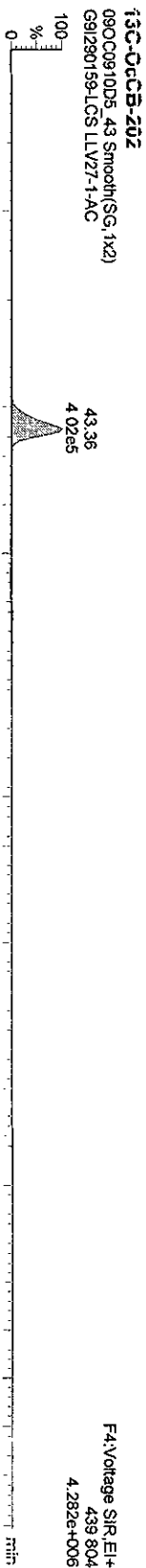
**13C-HPPCBs**



Dataset: C:\MassLynx\Default\pro1090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_43, Date: 11-Oct-2009, Time: 01:43:54, ID: LLV27-1-AC, Description: G91290159-LCS



Quantity Sample Summary Report MassLynx 4.1

Dataset: X:\ATG\10D5\090C0910D5\1668MSLak.qld

Last Altered: Monday, October 19, 2009 08:22:33 Pacific Daylight Time  
 Printed: Monday, October 19, 2009 08:37:36 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\Method\1668MSL10DB5.mdb 05 Oct 2009 10:40:41  
 Calibration: C:\MassLynx\Default.PRO\Curved\B\CA0716200910D5\1668MSL.cdb 21 Jul 2009 13:15:46

*AK 10/19/09*

Name: 090C0910D5\_46, Date: 11-Oct-2009, Time: 04:32:57, ID: LLM8N-1-AA, Description: G91290159-1, Task:

# Name	Trace	Sample Size	RT	Prod.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio Fl...
1 13C-PeCB-101	335.924	0.500	32.17	32.31	1.000	698521.28	4000.0000	4000.0000	100.0	4.7599		0.62	NO
2													
3 13C-TeCB-81	301.963	0.500	34.04	34.08	1.040	831146.50	4577.1039	4577.1040	114.4	6.8471		0.78	NO
4 TeCB-81	289.922	0.500	34.03	34.04	1.458	26320.02	86.8552	86.8550	113.2	3.0106	18-Oct-09	0.68	NO
5 13C-TeCB-77	301.963	0.500	34.72	34.77	1.104	873512.66	4529.6263	4529.6260	113.2	6.4474		0.79	NO
6 TeCB-77	289.922	0.500	34.73	34.72	1.271	111057.60	400.2471	400.2470	119.6	3.2324		0.75	NO
7													
8 13C-PeCB-123	335.924	0.500	36.38	36.43	0.993	818888.56	4721.1989	4721.1990	118.0	4.7923		0.63	NO
9 PeCB-123	323.883	0.500	36.46	36.38	1.505	67411.47	218.7363	218.7380	123.0	2.6348	18-Oct-09	0.63	NO
10 13C-PeCB-118	335.924	0.500	36.54	36.60	1.024	879508.66	4918.0160	4918.0160	128.7	4.6480		0.63	NO
11 PeCB-118/106	323.883	0.500	36.56	36.54	1.525	1170693.13	3490.5301	3490.5300	136.4	2.3754		0.60	NO
12 13C-PeCB-114	335.924	0.500	37.31	37.37	1.037	865979.16	4782.4121	4782.4120	119.6	4.5905		0.63	NO
13 PeCB-114	323.883	0.500	37.33	37.31	1.586	26271.24	76.5105	76.5100	128.7	2.3813	18-Oct-09	0.59	NO
14 13C-PeCB-105	335.924	0.500	38.35	38.44	0.982	882135.59	5146.6133	5146.6130	128.7	4.8496		0.64	NO
15 PeCB-105/127	323.883	0.500	38.37	38.35	1.433	414272.47	1310.6436	1310.6440	136.4	2.4828		0.63	NO
16 13C-PeCB-126	335.924	0.500	40.64	40.74	1.030	981428.78	5456.4117	5456.4120	136.4	4.6213		0.62	NO
17 PeCB-126	323.883	0.500	40.64	40.64	1.156				108.4	2.9273		0.62	NO
18													
19 13C-OcCB-202	439.804	0.500	43.41	43.73	1.000	951847.81	4000.0000	4000.0000	100.0	1.7329		0.89	NO
20													
21 13C-HxCB-167	371.882	0.500	42.00	41.60	1.002	920577.69	3859.0741	3859.0740	96.5	2.8248		1.28	NO
22 HxCB-167	359.841	0.500	42.01	42.00	1.348	33710.69	108.6650	108.6650	121.4	2.4594		1.07	NO
23 13C-HxCB-156	371.882	0.500	43.55	43.18	0.785	907584.38	4857.9405	4857.9400	121.4	3.6068		1.29	NO
24 HxCB-156	359.841	0.500	43.58	43.55	1.688	62759.37	163.8232	163.8230	111.3	2.0603		1.32	NO
25 13C-HxCB-157	371.882	0.500	43.93	43.92	0.835	885059.19	4452.8759	4452.8760	108.4	3.3902		1.27	NO
26 HxCB-157	359.841	0.500	43.96	43.93	1.660	13430.58	36.5734	36.5730	108.4	2.1220		1.24	NO
27 13C-HxCB-169	371.882	0.500	46.13	46.15	0.871	898892.88	4335.5462	4335.5460	108.4	3.2501		1.31	NO
28 HxCB-169	359.841	0.500	46.13	46.13	1.098					3.3105			NO
29													
30 13C-HpCB-180	405.843	0.500	44.71	44.69	0.684	694985.06	4269.6717	4269.6720	106.7	3.1855		1.05	NO
31 HpCB-180	393.803	0.500	44.74	44.71	1.300	657327.31	2909.4136	2909.4140	106.7	2.0528		1.03	NO



Dataset: X:\ATG\10D5\09000910D5\1668MSLak.qld

Last Altered: Monday, October 19, 2009 08:22:33 Pacific Daylight Time  
 Printed: Monday, October 19, 2009 08:37:36 Pacific Daylight Time

Name: 090C0910D5\_46, Date: 11-Oct-2009, Time: 04:32:57, ID: LLM8N-1-AA, Description: G9I290159-1, Task:

#	Name	Trace	Sample Size	RT	Prod RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio Fi...
32	13C-HpCB-170	405.843	0.500	46.71	46.71	0.548		603990.78	4633.9853	4633.9850	115.8	3.9782		1.06	NO
33	HpCB-170	393.803	0.500	46.72	46.71	1.615		88403.85	362.5150	362.5150 NA		1.9493		1.06	NO
34	13C-HpCB-189	405.843	0.500	48.56	48.53	0.698		787403.94	4742.8606	4742.8610	118.6	3.1232		1.05	NO
35	HpCB-189	393.803	0.500	48.58	48.56	1.231		3617.39	14.9313	14.9310 LLDL		1.6894	18-Oct-09	1.08	NO
36															
37	13C-PeCB-111	335.924	0.500	33.93	34.06	1.305		849753.00	2941.6702		73.5	3.1672		0.64	NO
38															
39	Function 3 PFK	380.976	1.000			0.00									
40	Function 4 PFK	380.976	1.000			0.00									

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\090C0910D51668MSL.qld

91335

5

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Name: 090C0910D5\_46, Date: 11-Oct-2009, Time: 04:32:57, ID: LLM8N-1-AA, Description: G91290159-1, Task:

# Name	Trace	Sample Size	RT	Prd RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	0.500	32.17	32.31	1.000		698521.28	4000.0000	4000.0000	100.0	4.7599	0.620	0.610		NO
2															
3 13C-TeCB-81	301.963	0.500	34.04	34.08	1.040		831146.50	4577.1039	4577.1039	114.4	6.8471	0.784	0.770		NO
4 TeCB-81	289.922	0.500	34.04	34.04	1.458						3.0106		0.770		NO
5 13C-TeCB-77	301.963	0.500	34.72	34.77	1.104		873512.66	4529.6263	4529.6263	113.2	6.4474	0.785	0.770		NO
6 TeCB-77	289.922	0.500	34.73	34.72	1.271		111057.60	400.2471	400.2471		3.2324	0.745	0.770		NO
7															
8 13C-PeCB-123	335.924	0.500	36.38	36.43	0.993		818888.56	4721.1989	4721.1989	118.0	4.7923	0.628	0.610		NO
9 PeCB-123	323.883	0.500	36.22	36.38	1.505		82591.52	267.9925	267.9925		2.6348	0.597	0.610		NO
10 13C-PeCB-118	335.924	0.500	36.54	36.60	1.024		879508.66	4918.0160	4918.0160	123.0	4.6480	0.635	0.610		NO
11 PeCB-118/106	323.883	0.500	36.56	36.54	1.525		1170693.13	3490.5301	3490.5301		2.3754	0.596	0.610		NO
12 13C-PeCB-114	335.924	0.500	37.32	37.37	1.037		865979.16	4782.4121	4782.4121	119.6	4.5905	0.634	0.610		NO
13 PeCB-114	323.883	0.500	37.32	37.32	1.586						2.3813		0.610		NO
14 13C-PeCB-105	335.924	0.500	38.36	38.44	0.982		882135.59	5146.6133	5146.6133	128.7	4.8486	0.638	0.610		NO
15 PeCB-105/127	323.883	0.500	38.37	38.36	1.433		414272.47	1310.6436	1310.6436		2.4828	0.629	0.610		NO
16 13C-PeCB-126	335.924	0.500	40.64	40.74	1.030		981428.78	5456.4117	5456.4117	136.4	4.6213	0.620	0.610		NO
17 PeCB-126	323.883	0.500	40.64	40.64	1.156						2.9273		0.610		NO
18															
19 13C-OcCB-202	439.804	0.500	43.41	43.73	1.000		951847.81	4000.0000	4000.0000	100.0	1.7329	0.890	0.890		NO
20															
21 13C-HxCB-167	371.882	0.500	42.00	41.60	1.002		920577.69	3859.0741	3859.0741	96.5	2.8248	1.282	1.240		NO
22 HxCB-167	359.841	0.500	42.01	42.00	1.348		33710.69	108.6650	108.6650		2.4594	1.071	1.240		NO
23 13C-HxCB-156	371.882	0.500	43.55	43.18	0.785		907584.38	4857.9405	4857.9405	121.4	3.6068	1.286	1.240		NO
24 HxCB-156	359.841	0.500	43.58	43.55	1.688		62759.37	163.8232	163.8232		2.0603	1.316	1.240		NO
25 13C-HxCB-157	371.882	0.500	43.93	43.92	0.835		885059.19	4452.8759	4452.8759	111.3	3.3902	1.271	1.240		NO
26 HxCB-157	359.841	0.500	43.96	43.93	1.660		13430.58	36.5734	36.5734		2.1220	1.243	1.240		NO
27 13C-HxCB-169	371.882	0.500	46.13	46.15	0.871		898892.88	4335.5462	4335.5462	108.4	3.2501	1.307	1.240		NO
28 HxCB-169	359.841	0.500	46.13	46.13	1.098						3.3105		1.240		NO
29															
30 13C-HpCB-180	405.843	0.500	44.71	44.69	0.684		694985.06	4269.6717	4269.6717	106.7	3.1855	1.053	1.050		NO
31 HpCB-180	393.803	0.500	44.74	44.71	1.300		657327.31	2909.4136	2909.4136		2.0528	1.035	1.050		NO
32 13C-HpCB-170	405.843	0.500	46.71	46.71	0.548		603990.78	4633.9853	4633.9853	115.8	3.9782	1.059	1.050		NO
33 HpCB-170	393.803	0.500	46.72	46.71	1.615		88403.85	362.5150	362.5150		1.9493	1.058	1.050		NO
34 13C-HpCB-189	405.843	0.500	48.56	48.53	0.698		787403.94	4742.8606	4742.8606	118.6	3.1232	1.054	1.050		NO
35 HpCB-189	393.803	0.500	47.68	48.56	1.231		18728.94	77.3061	77.3061		1.6694	1.027	1.050		NO

Dataset: C:\MassLynx\Default\prot090C0910D51668MSL.qtd

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Name: 090C0910D5\_46, Date: 11-Oct-2009, Time: 04:32:57, ID: LLM8N-1-AA, Description: G9I290159-1, Task:

# Name	Trace	Sample Size	RT	Ptd RT	RRE M.	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ptd Ratio	Ratio	Mod Date
36														
37	13C-PeCB-111	335.924	0.500	33.93	34.06	1.305	849753.00	2941.6702	73.5	3.1672	0.636	0.610	NO	
38														
39	Function 3 PFK	380.976	1.000											
40	Function 4 PFK	380.976	1.000											

Dataset: X:\ATG\10D5\090CC0910D51668MSL.qld

Last Altered: Sunday, October 18, 2009 13:46:32 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 13:47:01 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 05 Oct 2009 10:40:41  
Calibration: C:\MassLynx\Default.PRO\CurveDB\NCA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Sample Name: 090CC0910D5\_46

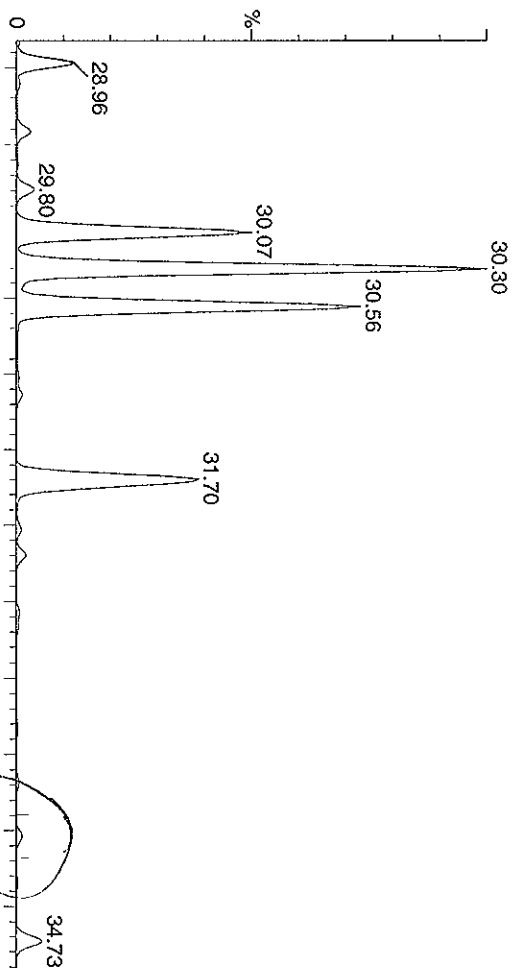
090CC0910D5\_46 Smooth(SG,1x2)

G91290159-1 LLM8N-1-AA

F3:Voltage SIR, EI+

289.922

1.032e+007



Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other \_\_\_\_\_

Analyst AK

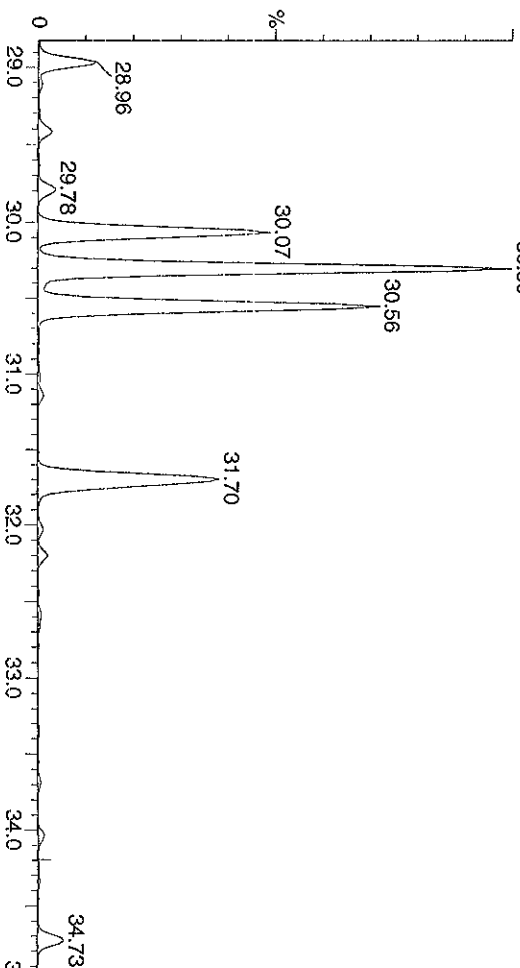
Date 10/18/09

090CC0910D5\_46 Smooth(SG,1x2)  
G91290159-1 LLM8N-1-AA

F3:Voltage SIR, EI+

291.959

1.380e+007



Dataset: X:\ATG\10D5\090CC0910D51668MSL.qld

215 of 383

Last Altered: Sunday, October 18, 2009 13:44:11 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 13:44:32 Pacific Daylight Time

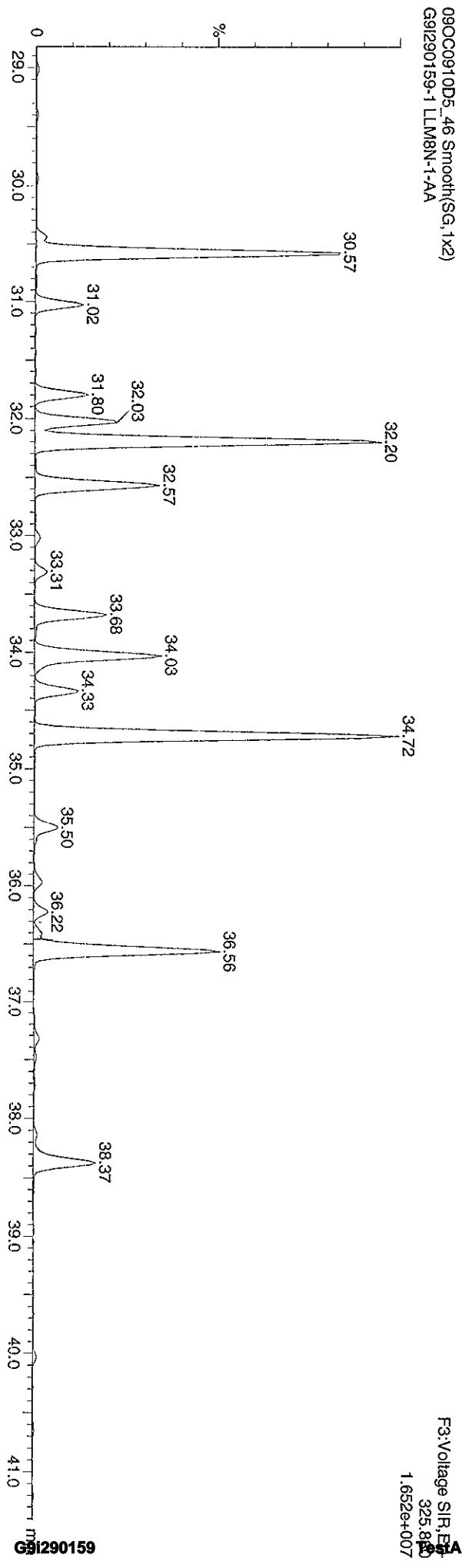
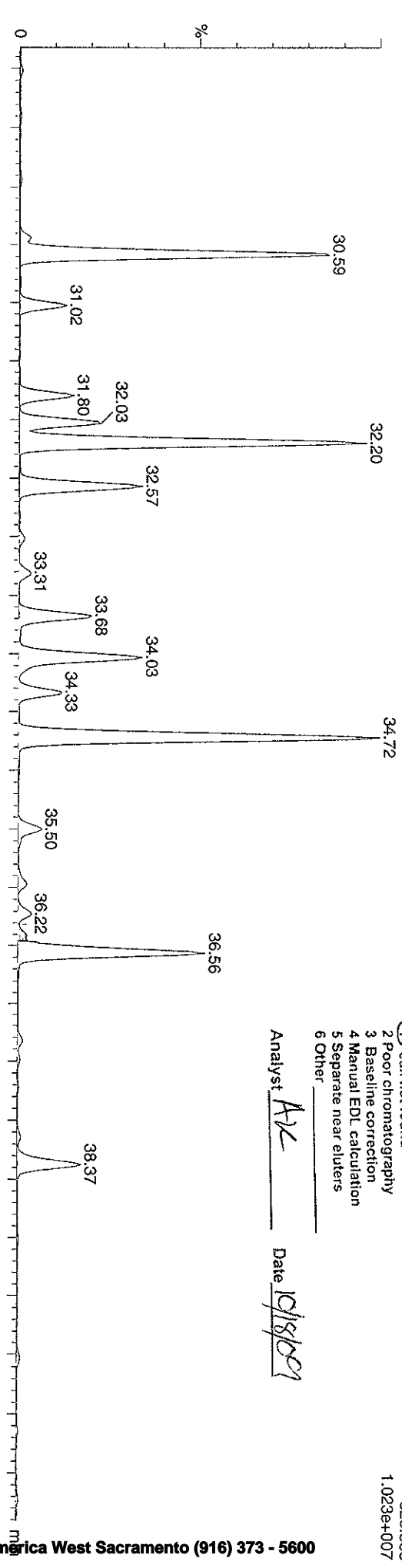
Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 05 Oct 2009 10:40:41  
Calibration: C:\MassLynx\Default.PRO\CurvedB\CA0716200910D51668MSL.cdb 21 Jun 2009 13:15:46

Sample Name: 090CC0910D5\_46

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK Date 10/18/09



Dataset: X:\ATG\10D5\09OC0910D5\1668MSL.qld

Last Altered: Sunday, October 18, 2009 13:44:11 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 13:44:32 Pacific Daylight Time

Sample Name: 09OC0910D5\_46

09OC0910D5\_46 Smooth(SG,1x2)  
G91290159-1 LLM8N-1-AA

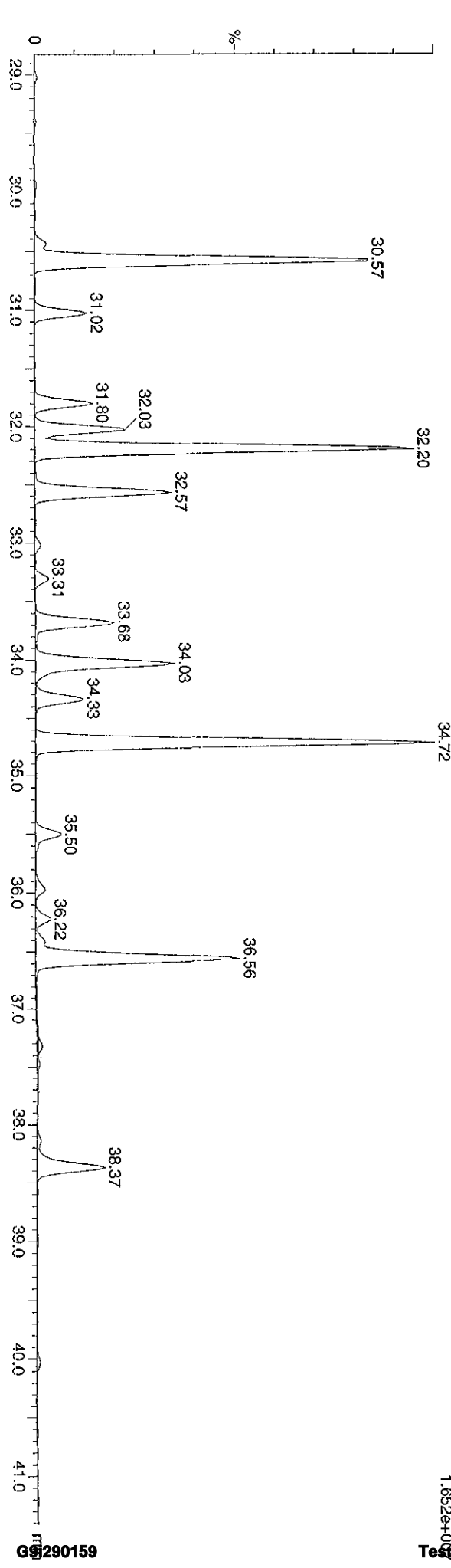
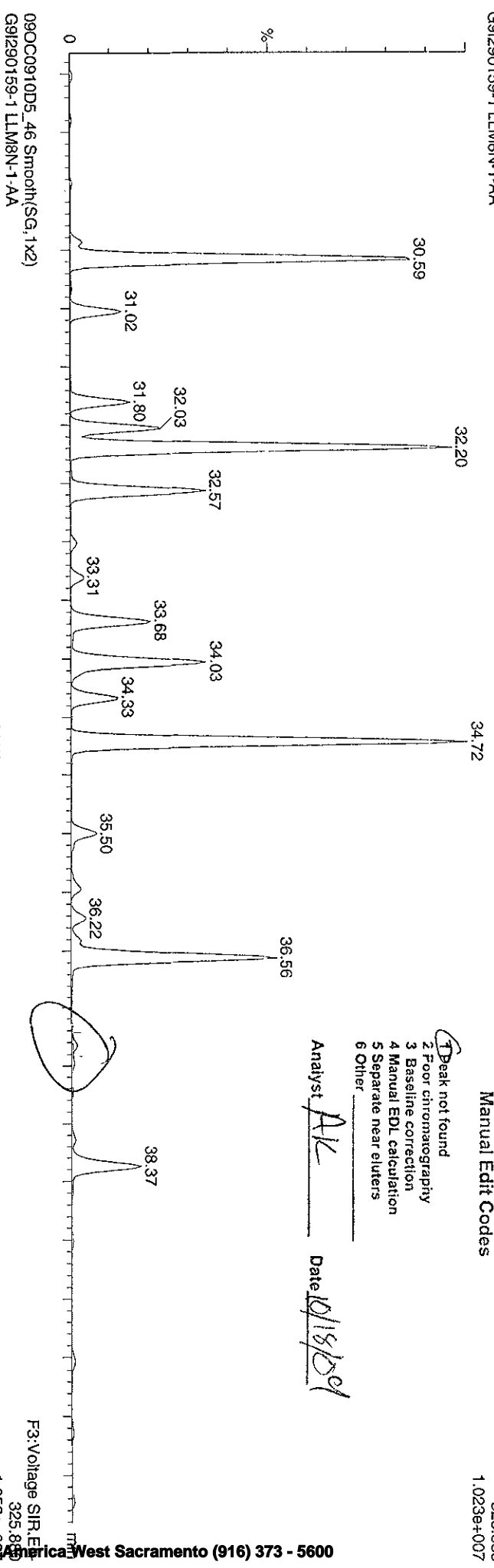
Manual Edit Codes

F3:Voltage SIR, EI+  
323.883  
1.023e+007

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK

Date 10/18/09



Dataset: X:\ATG\10D5\090C0910D51668MSL.qld

Last Altered: Sunday, October 18, 2009 13:44:11 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 13:44:32 Pacific Daylight Time

Sample Name: 090C0910D5\_46

090C0910D5\_46 Smooth(SG,1x2)  
G91290159-1 LLM8N-1-AA

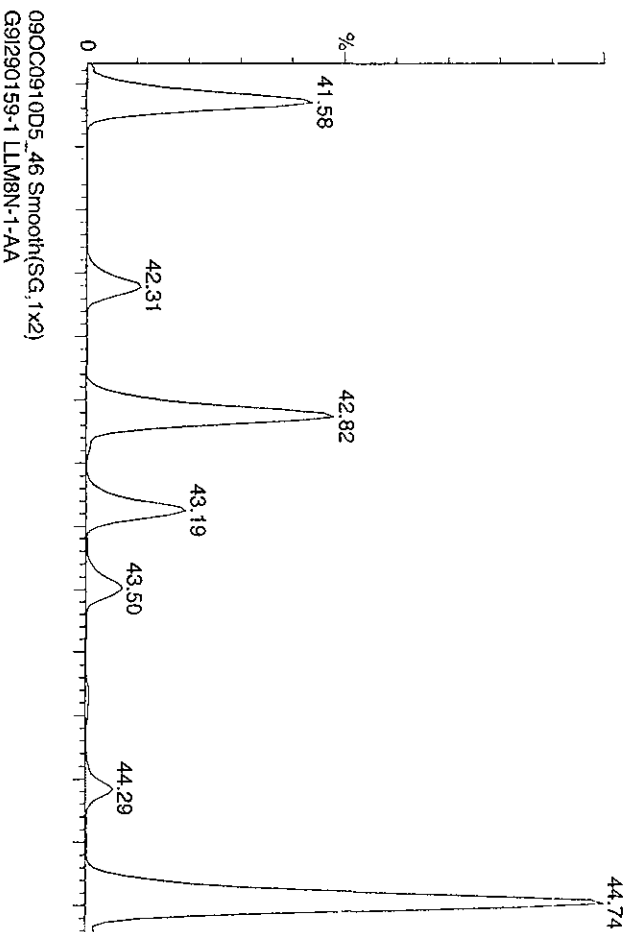
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst ALC

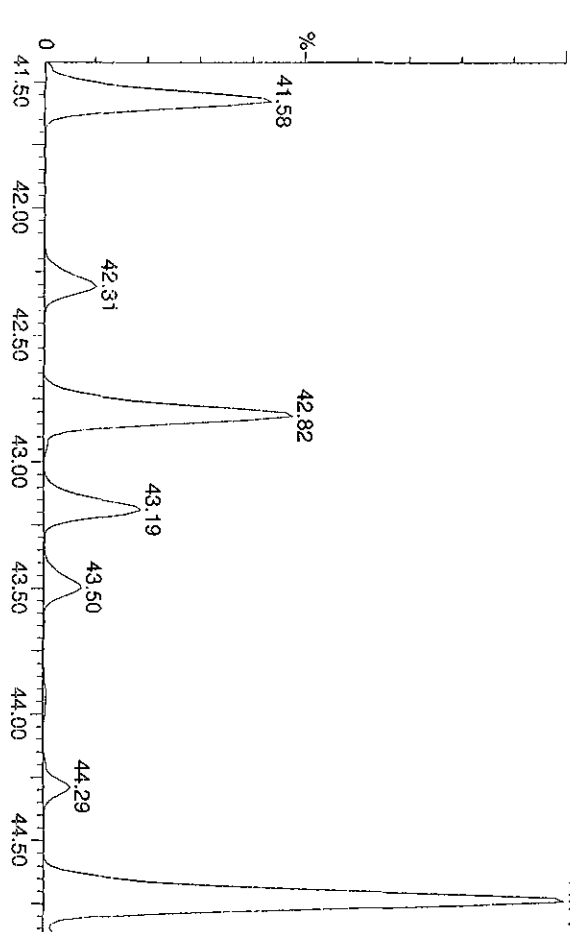
Date 10/18/09

F4: Voltage SIR.EI+  
393.803  
3.754e+006



090C0910D5\_46 Smooth(SG,1x2)  
G91290159-1 LLM8N-1-AA

F4: Voltage SIR.EI+  
395.803  
3.618e+006



090C0910D5\_46 Smooth(SG,1x2)  
G91290159-1 LLM8N-1-AA

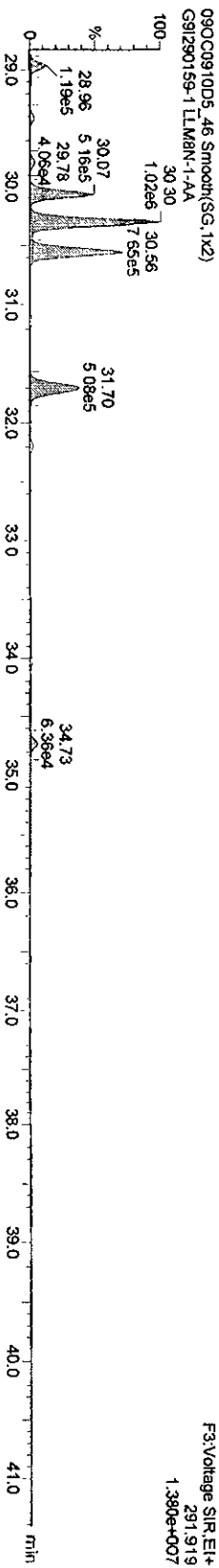
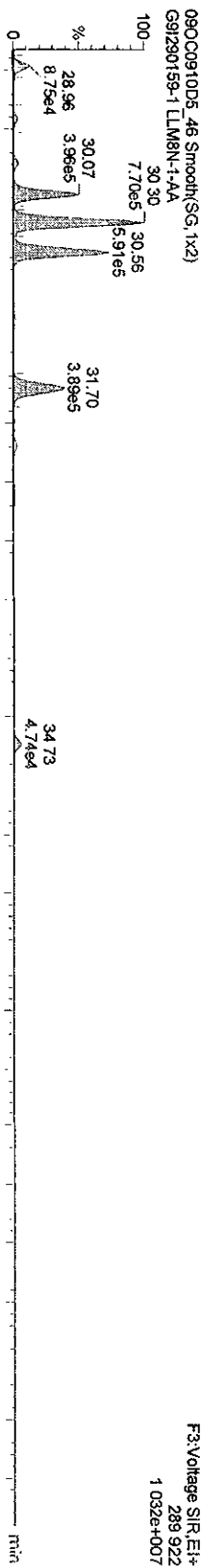
F4: Voltage SIR.EI+  
395.803  
3.618e+006

Dataset: C:\MassLynx\Default.pro\09OC0910D51668MS1.qld

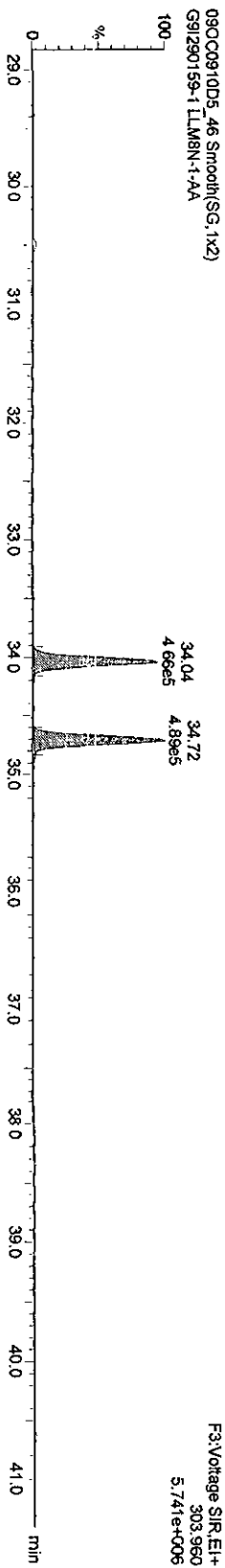
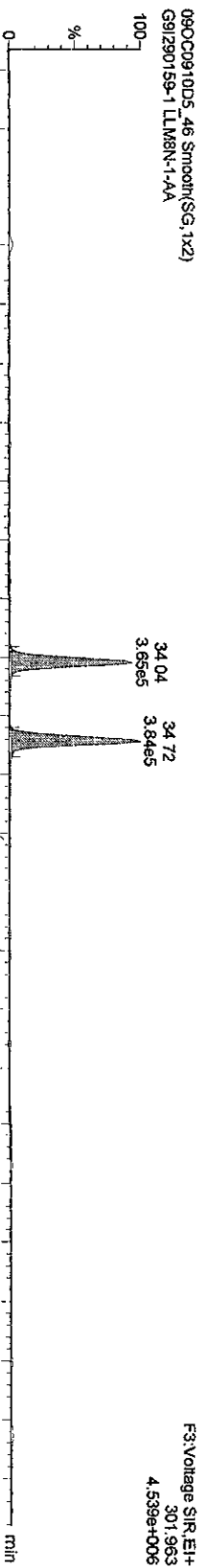
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 09OC0910D5\_46, Date: 11-Oct-2009, Time: 04:32:57, ID: LLM8N-1-AA, Description: G91290159-1

**TetraPCBs**



**13C-TetraPCBs**



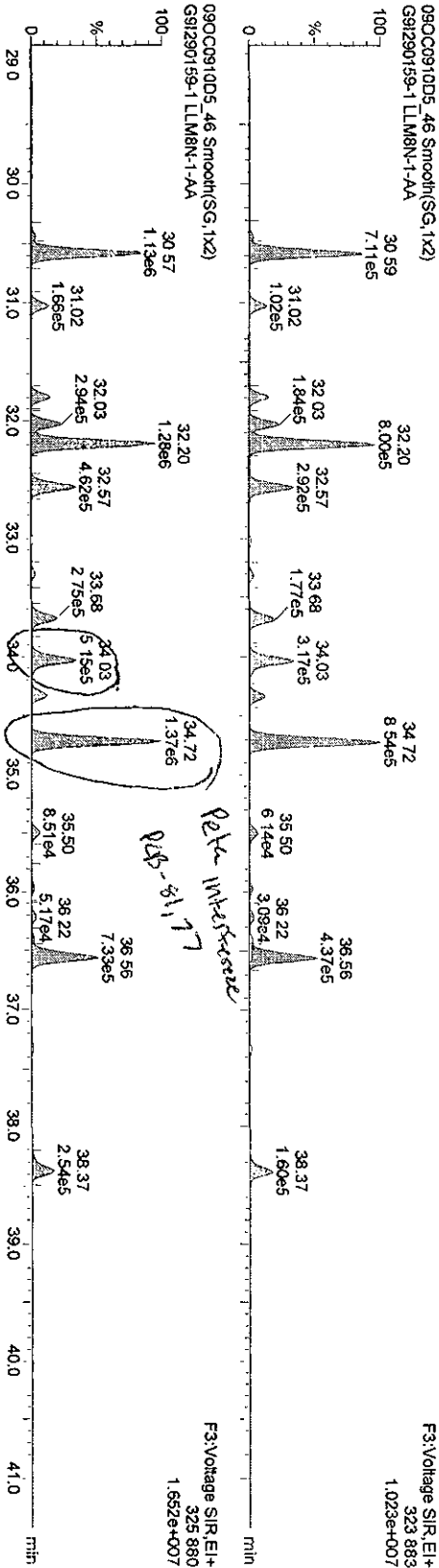


Dataset C:\MassLynx\Default\pro\090C0910D51668MSL.qid

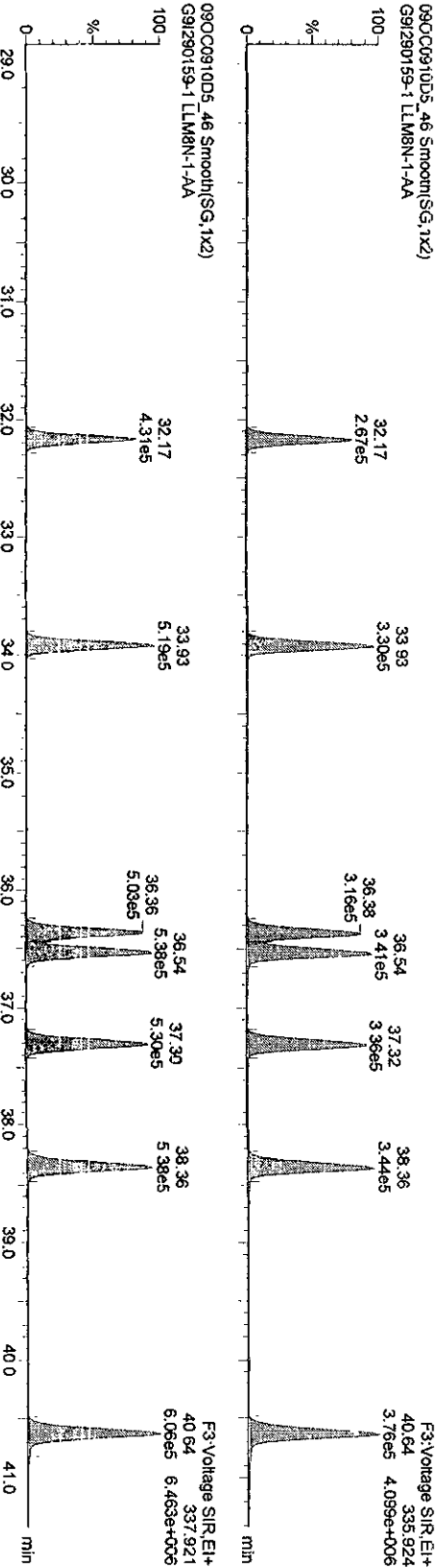
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_46, Date: 11-Oct-2009, Time: 04:32:57, ID: LLM8N-1-AA, Description: G91290159-1

**PeFCBS**



**13C-PePCBS**

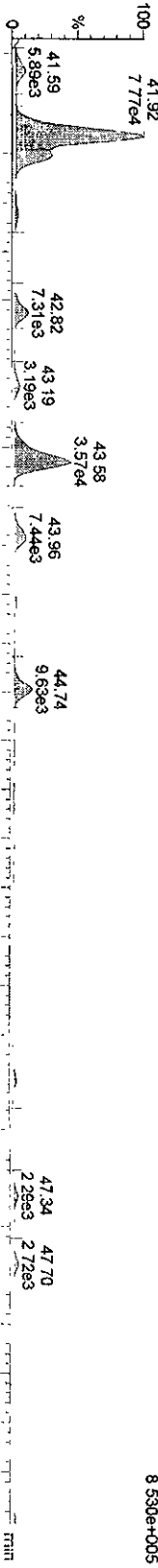


Dataset: C:\MassLynx\Default\pro1090C0910D51668MSL.qtd

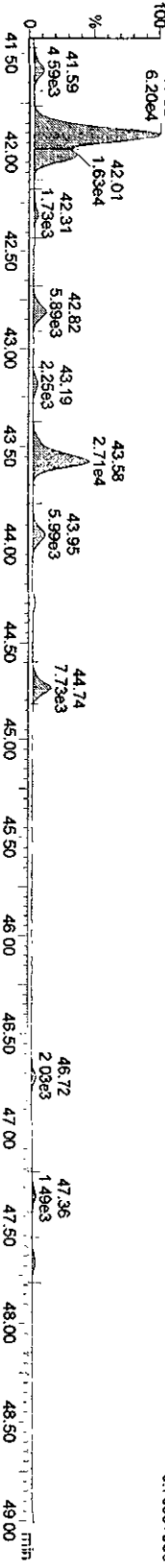
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_46, Date: 11-Oct-2009, Time: 04:32:57, ID: LLM8N-1-AA, Description: G91290159-1

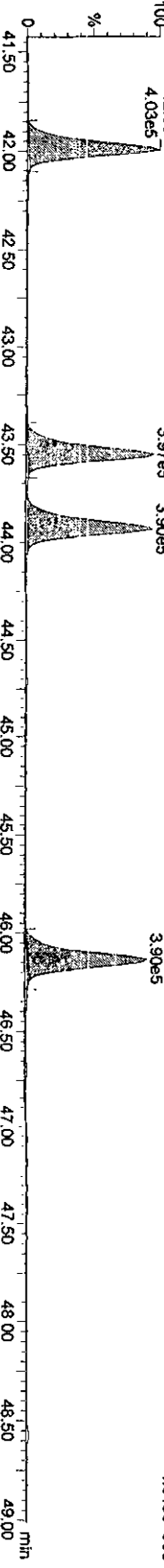
**11PCBS-**  
090C0910D5\_46 Smooth(SG,1x2)  
G91290159-1 LLM8N-1-AA



**13C-HPCBS**  
090C0910D5\_46 Smooth(SG,1x2)  
G91290159-1 LLM8N-1-AA



**13C-HPCBS**  
090C0910D5\_46 Smooth(SG,1x2)  
G91290159-1 LLM8N-1-AA



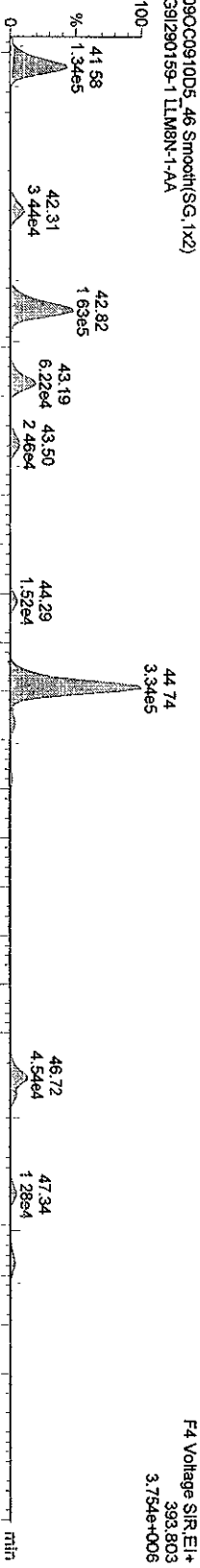
Dataset: C:\MassLynx\Default.pro\090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

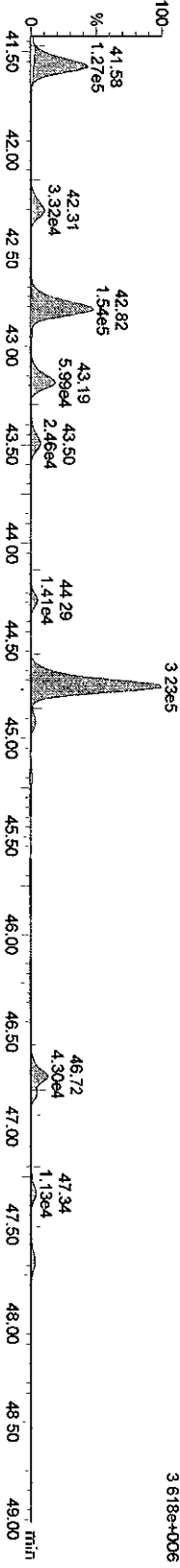
Name: 090C0910D5\_46, Date: 11-Oct-2009, Time: 04:32:57, ID: LLM8N-1-AA, Description: G91290159-1

**HPFCBS**

090C0910D5\_46 Smooth(SG, 1x2)  
G91290159-1 LLM8N-1-AA

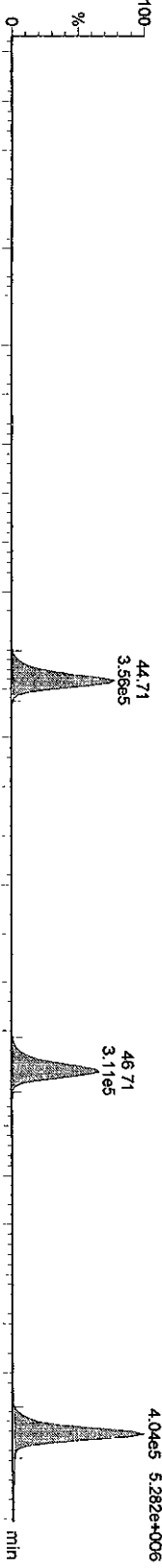


090C0910D5\_46 Smooth(SG, 1x2)  
G91290159-1 LLM8N-1-AA

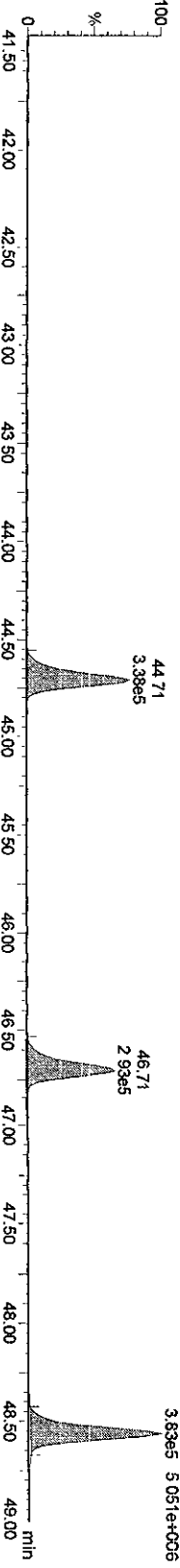


**13C-HPFCBS**

090C0910D5\_46 Smooth(SG, 1x2)  
G91290159-1 LLM8N-1-AA



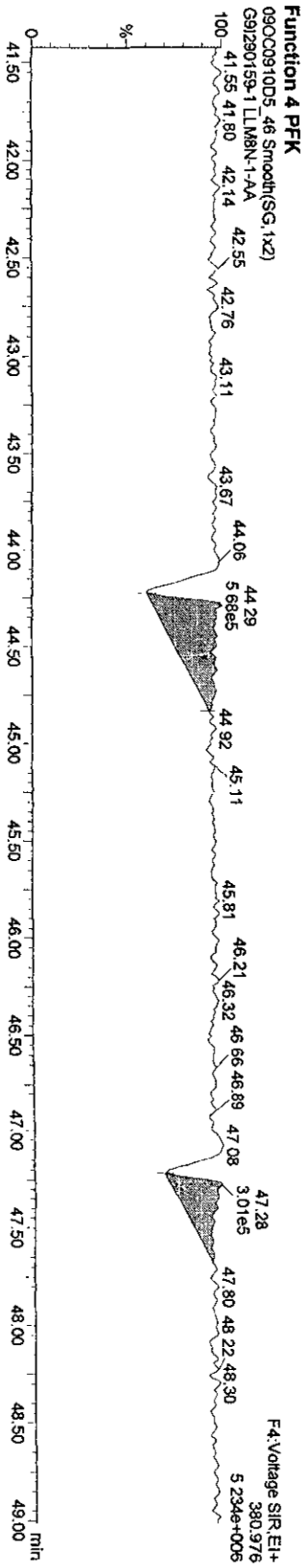
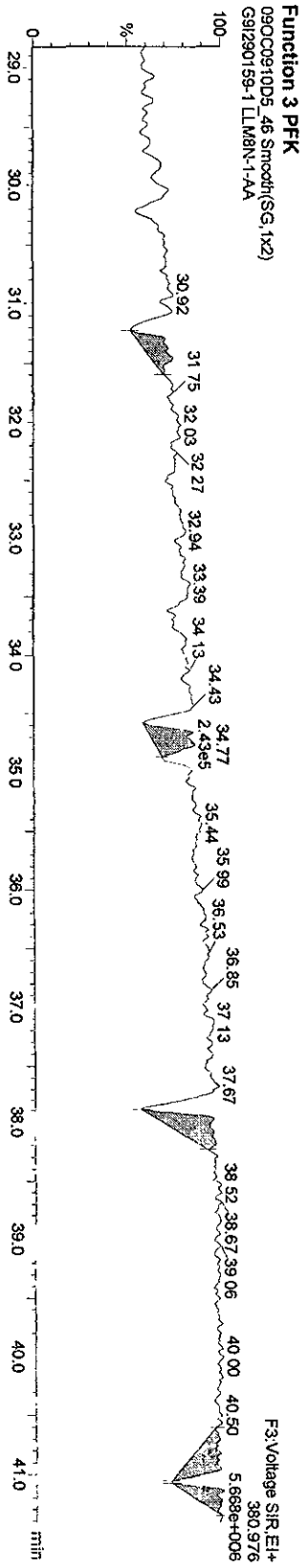
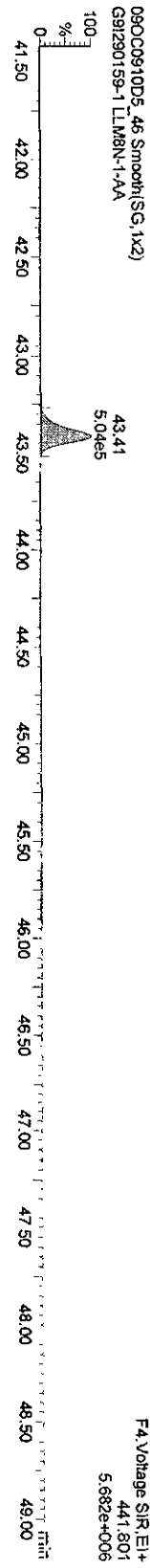
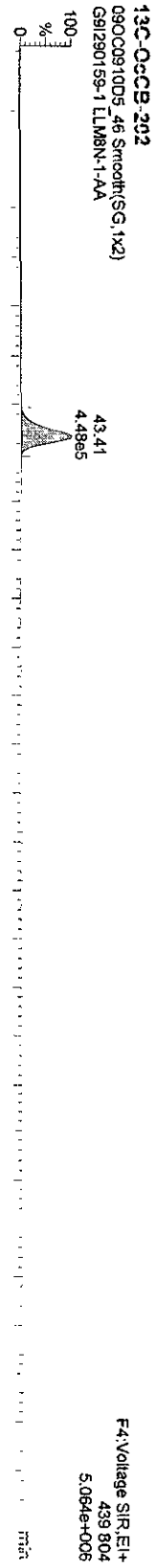
090C0910D5\_46 Smooth(SG, 1x2)  
G91290159-1 LLM8N-1-AA



Dataset: C:\Masslynx\Default\pro\090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_46, Date: 11-Oct-2009, Time: 04:32:57, ID: LLM8N-1-AA, Description: G91290159-1



Dataset: X:\ATG\10D5\09OC0910D5\1668MSLak.qld

Last Altered: Monday, October 19, 2009 08:22:33 Pacific Daylight Time  
 Printed: Monday, October 19, 2009 08:37:36 Pacific Daylight Time

Name: 09OC0910D5\_47, Date: 11-Oct-2009, Time: 05:29:18, ID: LLM8Q-1-AA, Description: G91290159-2, Task:

*AW 10/19/09*

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio Fl...
1 13C-PeCB-101	335.924	0.500	32.25	32.31	1.000	658788.97	4000.0000	4000.0000	100.0	4.4044		0.63	NO
2													
3 13C-TeCB-81	301.963	0.500	34.10	34.16	1.040	783831.34	4576.8759	4576.8760	114.4	5.8484		0.80	NO
4 TeCB-81	289.922	0.500	34.10	34.10	1.458	129049.59	451.5661	451.5660 <i>LL</i>	118.1	3.9070	18-Oct-09	0.75	NO
5 13C-TeCB-77	301.963	0.500	34.75	34.85	1.104	858951.78	4722.7535	4722.7540	118.1	5.5070		0.80	NO
6 TeCB-77	289.922	0.500	34.78	34.75	1.271	772647.03	2831.7926	2831.7930	122.2	4.1013		0.76	NO
7													
8 13C-PeCB-123	335.924	0.500	36.39	36.51	0.993	799311.25	4886.2619	4886.2620	122.2	4.4344	18-Oct-09	0.65	NO
9 PeCB-123	323.883	0.500	36.43	36.39	1.505	215799.62	717.3757	717.3760	124.5	3.2272	18-Oct-09	0.62	NO
10 13C-PeCB-118	335.924	0.500	36.56	36.68	1.024	840000.50	4980.3824	4980.3820	124.5	4.3009		0.63	NO
11 PeCB-118/106	323.883	0.500	36.60	36.56	1.525	4250085.25	13268.0327	13268.0330	120.5	3.0337	18-Oct-09	0.62	NO
12 13C-PeCB-114	335.924	0.500	37.33	37.45	1.037	822840.34	4818.2403	4818.2400	120.5	4.2477		0.65	NO
13 PeCB-114	323.883	0.500	37.35	37.33	1.586	174181.59	533.8685	533.8690 <i>LL</i>	128.8	3.0128	18-Oct-09	0.64	NO
14 13C PeCB-105	335.924	0.500	38.37	38.52	0.982	832971.75	5152.8771	5152.8770	128.8	4.4874		0.63	NO
15 PeCB-105/127	323.883	0.500	38.41	38.37	1.433	1730266.00	5797.1760	5797.1760	137.4	3.4704		0.63	NO
16 13C-PeCB-126	335.924	0.500	40.65	40.82	1.030	932261.53	5495.6546	5495.6550	137.4	4.2762		0.62	NO
17 PeCB-126	323.883	0.500	40.67	40.65	1.156	18375.17	68.2127	68.2130 <i>LL</i>	100.0	3.8978	18-Oct-09	0.69	NO
18													
19 13C-OcCB-202	439.804	0.500	43.44	43.73	1.000	923036.06	4000.0000	4000.0000	100.0	1.8722		0.90	NO
20													
21 13C-HxCB-167	371.882	0.500	42.01	41.63	1.002	870800.19	3764.3504	3764.3500	94.1	2.9082		1.28	NO
22 HxCB-167	359.841	0.500	42.03	42.01	1.348	71107.96	242.3161	242.3160	117.8	2.5526		1.17	NO
23 13C-HxCB-156	371.882	0.500	43.56	43.21	0.785	853358.78	4710.2688	4710.2690	117.8	3.7133		1.30	NO
24 HxCB-156	359.841	0.500	43.59	43.56	1.688	131691.99	365.6046	365.6050	108.0	2.1504		1.29	NO
25 13C-HxCB-157	371.882	0.500	43.95	43.95	0.835	832906.09	4321.2875	4321.2880	104.4	3.4903		1.30	NO
26 HxCB-157	359.841	0.500	43.98	43.95	1.660	27670.04	80.0677	80.0680	104.4	2.2379		1.31	NO
27 13C-HxCB-169	371.882	0.500	46.15	46.18	0.871	839206.06	4174.0086	4174.0090	104.4	3.3460		1.28	NO
28 HxCB-169	359.841	0.500	46.15	46.15	1.098					3.3339			NO
29													
30 13C-HpCB-180	405.843	0.500	44.72	44.72	0.684	653485.44	4140.0327	4140.0330	103.5	2.1223		1.06	NO
31 HpCB-180	393.803	0.500	44.76	44.72	1.300	1069428.91	5034.0237	5034.0240 <i>NA</i>	117.2	3.0196		1.04	NO
32 13C-HpCB-170	405.843	0.500	46.72	46.74	0.548	592355.50	4686.5754	4686.5750	115.3	2.6504		1.07	NO
33 HpCB-170	393.803	0.500	46.74	46.72	1.615	204906.98	856.7606	856.7610 <i>NA</i>	115.3	2.7104		1.10	NO
34 13C-HpCB-189	405.843	0.500	48.58	48.56	0.698	742640.50	4612.8598	4612.8600	115.3	2.0808		1.05	NO
35 HpCB-189	393.803	0.500	48.60	48.58	1.231	7541.53	33.0049	33.0050 <i>LL</i>	2.5232	18-Oct-09	1.01	NO	

Dataset: X:\ATG\10D5\09OC0910D5\1668MSLak.qld

Last Altered: Monday, October 19, 2009 08:22:33 Pacific Daylight Time  
 Printed: Monday, October 19, 2009 08:37:36 Pacific Daylight Time

Name: 09OC0910D5\_47, Date: 11-Oct-2009, Time: 05:29:18, ID: LLM8Q-1-AA, Description: G9I290159-2, Task:

#	Name	Trace	Sample Size	RT	Ptd RT	RRF	M	Abs. Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio Filt
36															
37	13C-PeCB-111		0.500	33.98	34.06	1.305		788628.25	2859.5887		71.5	2.9030		0.64	NO
38	Function 3 PFK		1.000												
39	Function 3 PFK		1.000												
40	Function 4 PFK		1.000												

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\090C0910D51668MSL.qld

4911131735

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Name: 090C0910D5\_47, Date: 11-Oct-2009, Time: 05:29:18, ID: LLM8Q-1-AA, Description: G91290159-2, Task:

# Name	Trace	Sample Size	RT	Pub RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Pub Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	0.500	32.25	32.31	1.000		656788.97	4000.0000	4000.0000	100.0	4.4044	0.635	0.610		NO
2															
3 13C-TeCB-81	301.963	0.500	34.10	34.16	1.040		783831.34	4576.8759	4576.8759	114.4	5.8484	0.800	0.770		NO
4 TeCB-81	289.922	0.500	34.10	34.10	1.458						3.9070		0.770		NO
5 13C-TeCB-77	301.963	0.500	34.75	34.85	1.104		858951.78	4722.7535	4722.7535	118.1	5.5070	0.797	0.770		NO
6 TeCB-77	289.922	0.500	34.78	34.75	1.271		772647.03	2831.7926	2831.7926		4.1013	0.758	0.770		NO
7															
8 13C-PeCB-123	335.924	0.500	36.56	36.51	0.993		840000.50	5134.9989	5134.9989	128.4	4.4344	0.634	0.610		NO
9 PeCB-123	323.883	0.500	36.59	36.56	1.505		4334156.38	13709.9845	13709.9845		3.0739	0.637	0.610		NO
10 13C-PeCB-118	335.924	0.500	36.56	36.68	1.024		840000.50	4980.3824	4980.3824	124.5	4.3009	0.634	0.610		NO
11 PeCB-118/106	323.883	0.500	36.24	36.56	1.525		353717.44	1104.2448	1104.2448		3.0337	0.629	0.610		NO
12 13C-PeCB-114	335.924	0.500	37.33	37.45	1.037		822840.34	4818.2403	4818.2403	120.5	4.2477	0.646	0.610		NO
13 PeCB-114	323.883	0.500	37.33	37.33	1.586						3.0128		0.610		NO
14 13C PeCB-105	335.924	0.500	38.37	38.52	0.982		832971.75	5152.8771	5152.8771	128.8	4.4874	0.632	0.610		NO
15 PeCB-105/127	323.883	0.500	38.41	38.37	1.433		1790266.00	5797.1760	5797.1760		3.4704	0.628	0.610		NO
16 13C-PeCB-126	335.924	0.500	40.65	40.82	1.030		932261.53	5495.6546	5495.6546	137.4	4.2762	0.619	0.610		NO
17 PeCB-126	323.883	0.500	40.65	40.65	1.156						3.8978		0.610		NO
18															
19 13C-OcCB-202	439.804	0.500	43.44	43.73	1.000		923036.06	4000.0000	4000.0000	100.0	1.8722	0.896	0.890		NO
20															
21 13C-HxCB-167	371.882	0.500	42.01	41.63	1.002		870800.19	3764.3504	3764.3504	94.1	2.9082	1.285	1.240		NO
22 HxCB-167	359.841	0.500	42.03	42.01	1.348		71107.96	242.3161	242.3161		2.5526	1.168	1.240		NO
23 13C-HxCB-156	371.882	0.500	43.56	43.21	0.785		853358.78	4710.2688	4710.2688	117.8	3.7133	1.301	1.240		NO
24 HxCB-156	359.841	0.500	43.59	43.56	1.688		131691.99	365.6046	365.6046		2.1504	1.288	1.240		NO
25 13C-HxCB-157	371.882	0.500	43.95	43.95	0.835		832906.09	4321.2875	4321.2875	108.0	3.4903	1.304	1.240		NO
26 HxCB-157	359.841	0.500	43.98	43.95	1.660		27670.04	80.0677	80.0677		2.2379	1.306	1.240		NO
27 13C-HxCB-169	371.882	0.500	46.15	46.18	0.871		839206.06	4174.0086	4174.0086	104.4	3.3460	1.283	1.240		NO
28 HxCB-169	359.841	0.500	46.15	46.15	1.098						3.3339		1.240		NO
29															
30 13C-HpCB-180	405.843	0.500	44.72	44.72	0.684		653485.44	4140.0327	4140.0327	103.5	2.1223	1.059	1.050		NO
31 HpCB-180	393.803	0.500	44.75	44.72	1.300		1069428.91	5034.0237	5034.0237		3.0196	1.045	1.050		NO
32 13C-HpCB-170	405.843	0.500	46.72	46.74	0.548		592355.50	4686.5754	4686.5754	117.2	2.6504	1.070	1.050		NO
33 HpCB-170	393.803	0.500	46.74	46.72	1.615		204906.98	856.7606	856.7606		2.7104	1.099	1.050		NO
34 13C-HpCB-189	405.843	0.500	48.58	48.56	0.698		742640.50	4612.8598	4612.8598	115.3	2.0808	1.052	1.050		NO
35 HpCB-189	393.803	0.500	48.58	48.58	1.231						2.5232		1.050		NO

Dataset: C:\MassLynx\Default.pro\09OCC0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time

Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Name: 09OCC0910D5\_47, Date: 11-Oct-2009, Time: 05:29:18, ID: LLM8Q-1-AA, Description: G9I290159-2, Task:

# Name	Trace	Sample Size	RT	Ptd RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDI	Ratio	Ptd Ratio	Ratio	Mod Date
36															
37	13C-PCCB-111	335.924	0.500	33.98	34.06	1.305	788628.25	2832.3271		70.8	2.8759	0.642	0.610		NO
38															
39	Function 3 PFK	380.976	1.000												
40	Function 4 PFK	380.976	1.000												

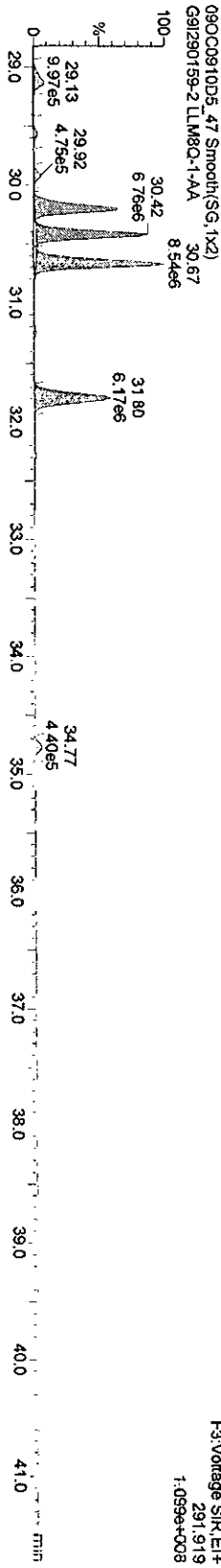
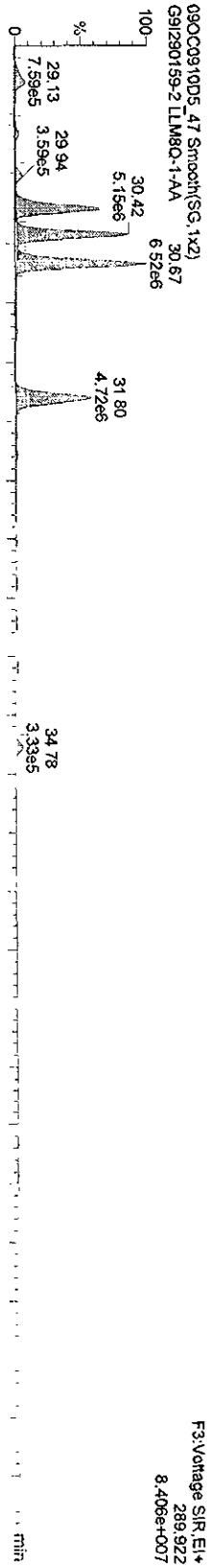


Dataset: C:\MassLynx\Default pro\090C0910D5\668M\SL.qld

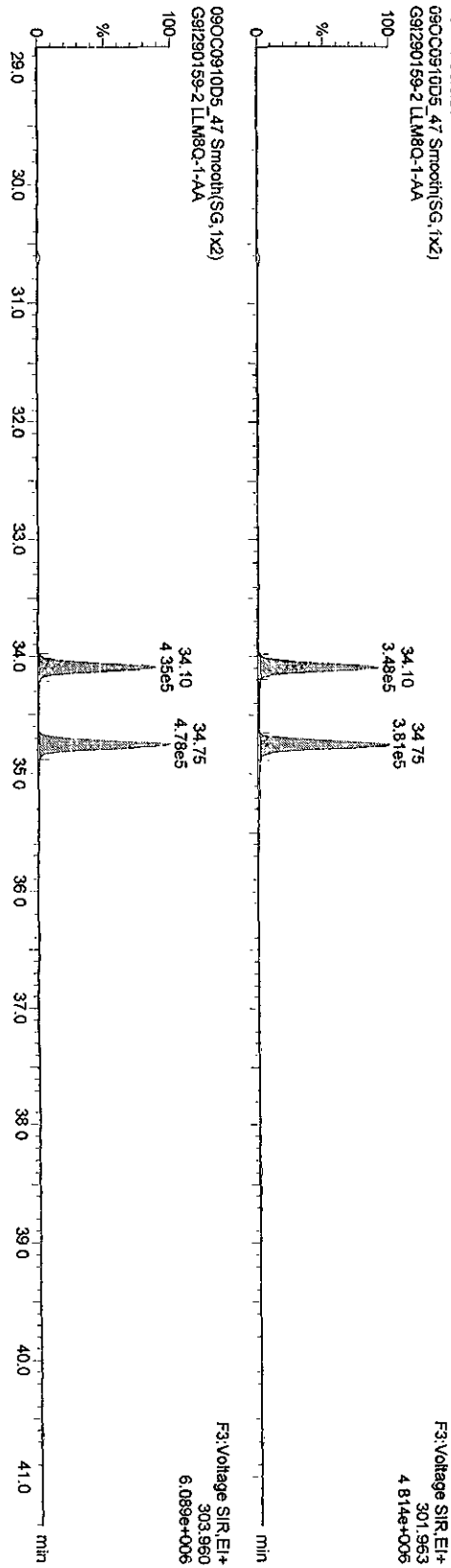
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_47, Date: 11-Oct-2009, Time: 05:29:18, ID: LLM8Q-1-AA, Description: G91290159-2

**TetraPCBs**



**13C-TetrappCBs**



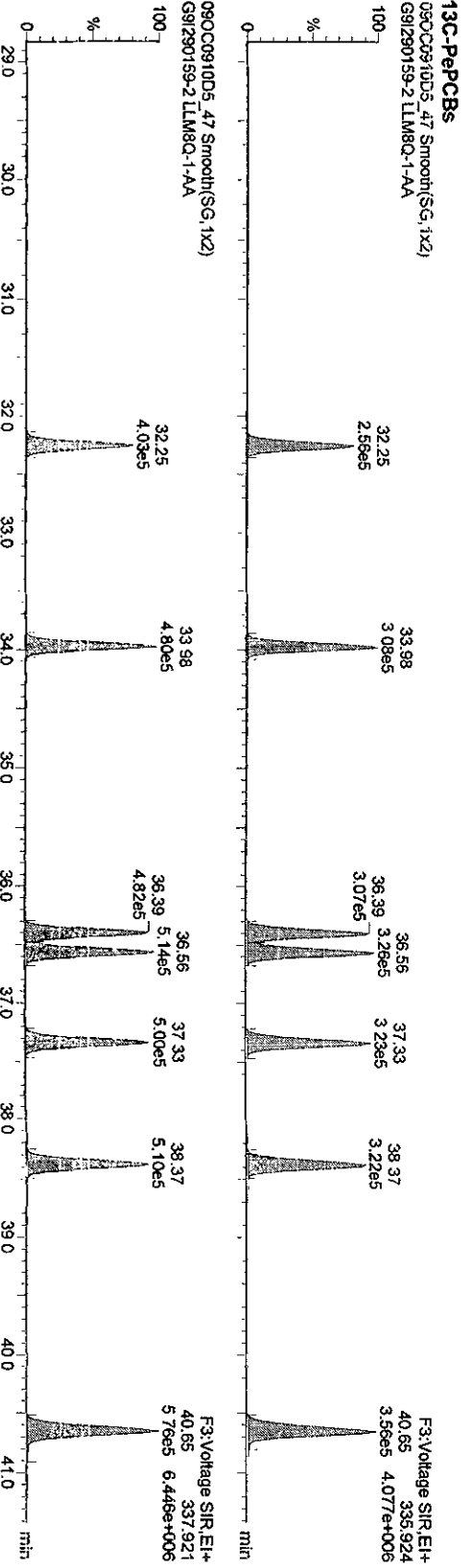
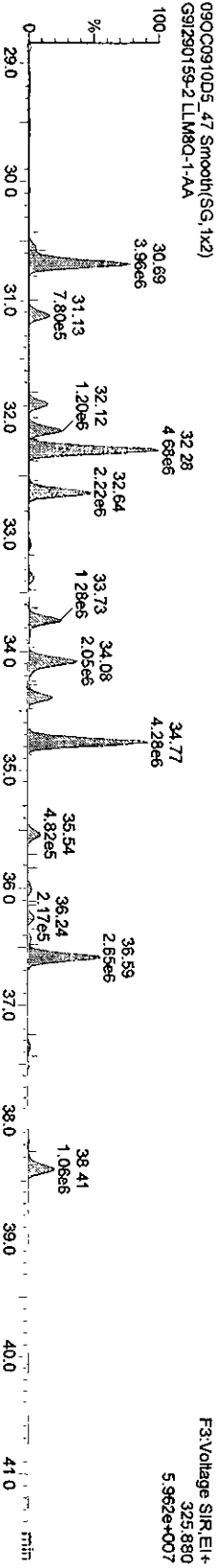
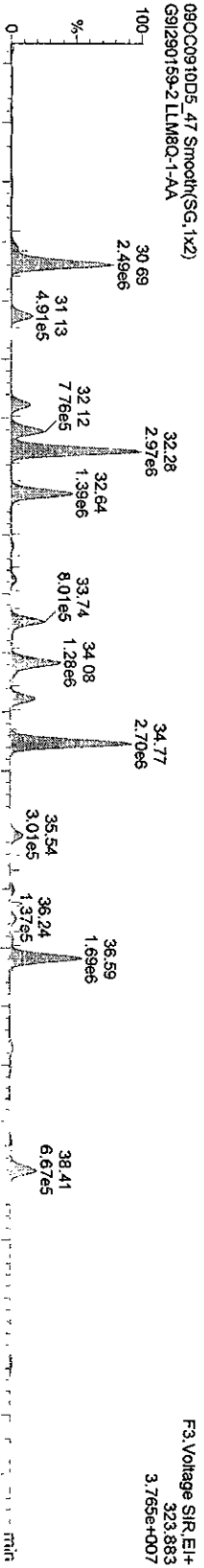
Dataset: C:\MassLynx\Default\proj\090C0910D5\1668\MSL.qid

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time

Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_47, Date: 11-Oct-2009, Time: 05:29:18, ID: LLM8Q-1-AA, Description: G91290159-2

Peaks

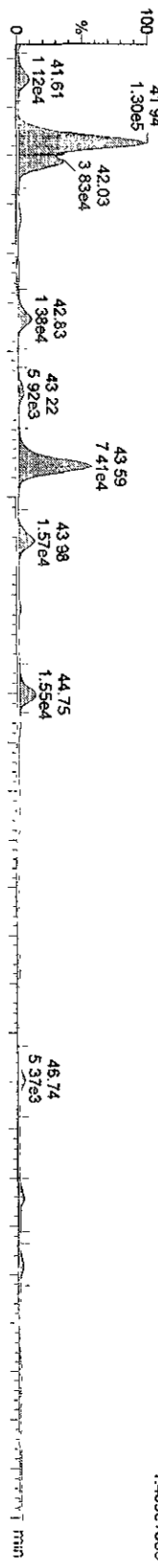


Dataset: C:\MassLynx\Default\pro\090C0910D51668MSL.qid

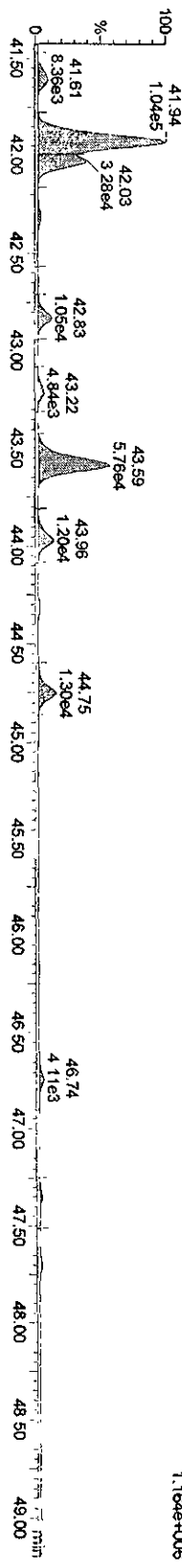
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_47, Date: 11-Oct-2009, Time: 05:29:18, ID: LLM8Q-1-AA, Description: G91290159-2

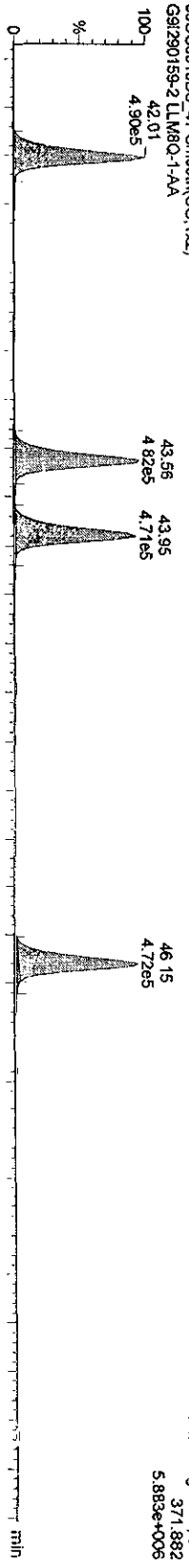
11xPCBs-  
090C0910D5\_47 Smooth(SG:1x2)  
G91290159-2 LLM8Q-1-AA



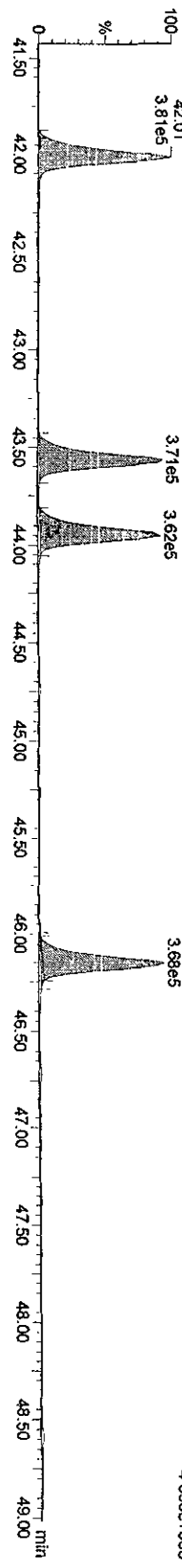
090C0910D5\_47 Smooth(SG:1x2)  
G91290159-2 LLM8Q-1-AA



13C-HxPCBs  
090C0910D5\_47 Smooth(SG:1x2)  
G91290159-2 LLM8Q-1-AA



090C0910D5\_47 Smooth(SG:1x2)  
G91290159-2 LLM8Q-1-AA

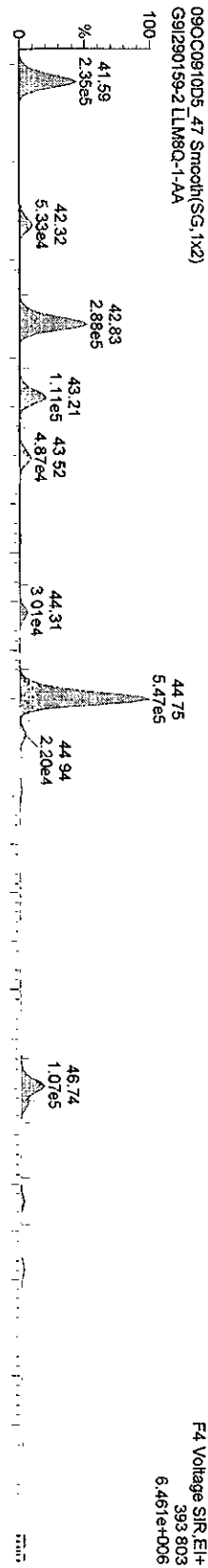


Dataset C:\MassLynx\Default.pro\090C0910D51668MSL.qld

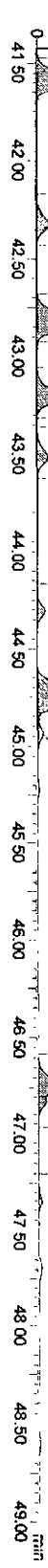
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_47, Date: 11-Oct-2009, Time: 05:29:18, ID: LLM8Q-1-AA, Description: G91290159-2

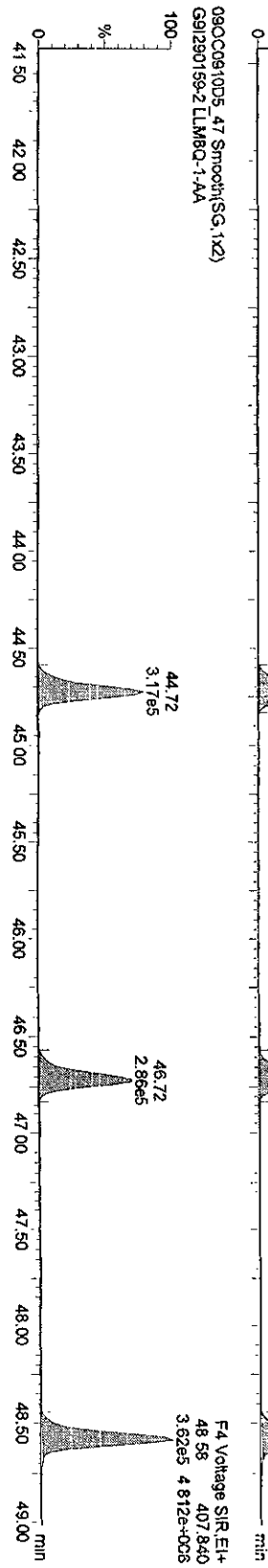
**HPpCBs**



**13C-HPpCBs**



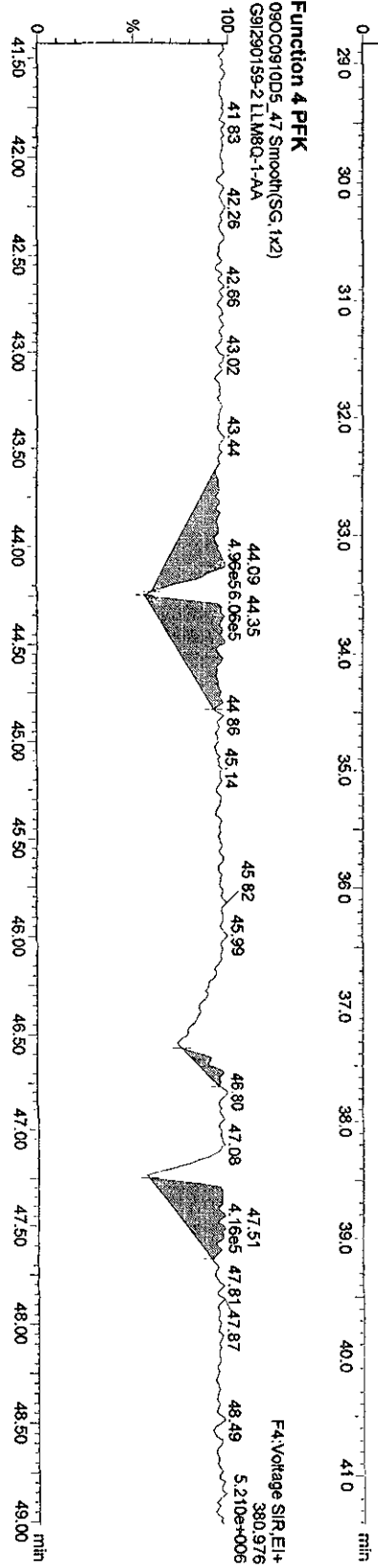
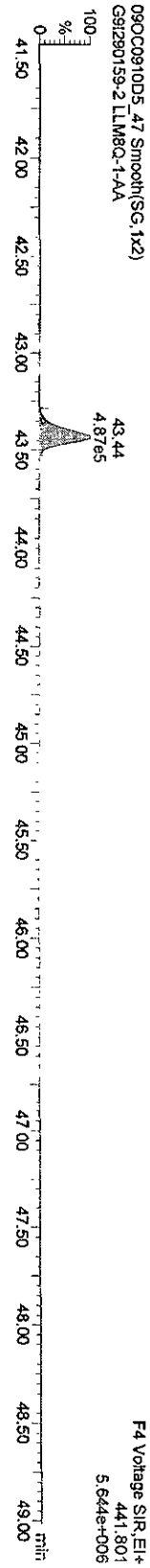
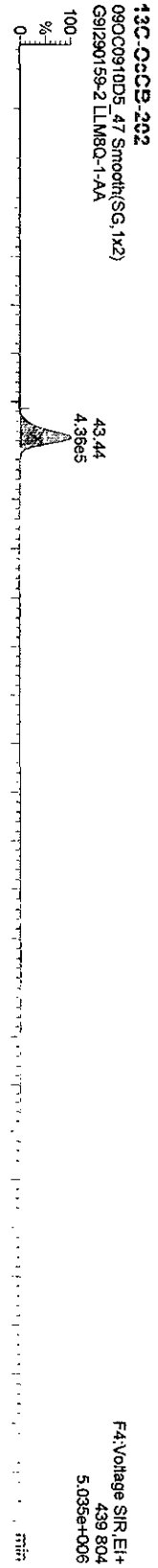
090C0910D5\_47 Smooth(SG, 1x2)  
 G91290159-2 LLM8Q-1-AA



Dataset: C:\MassLynx\Default\proj\090C0910D5\1668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_47, Date: 11-Oct-2009, Time: 05:29:18, ID: LLM8Q-1-AA, Description: G91290159-2



Dataset: X:\ATG\10D5\090C0910D5\1668MSLak.qld

Last Altered: Sunday, October 18, 2009 13:51:53 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 13:52:20 Pacific Daylight Time

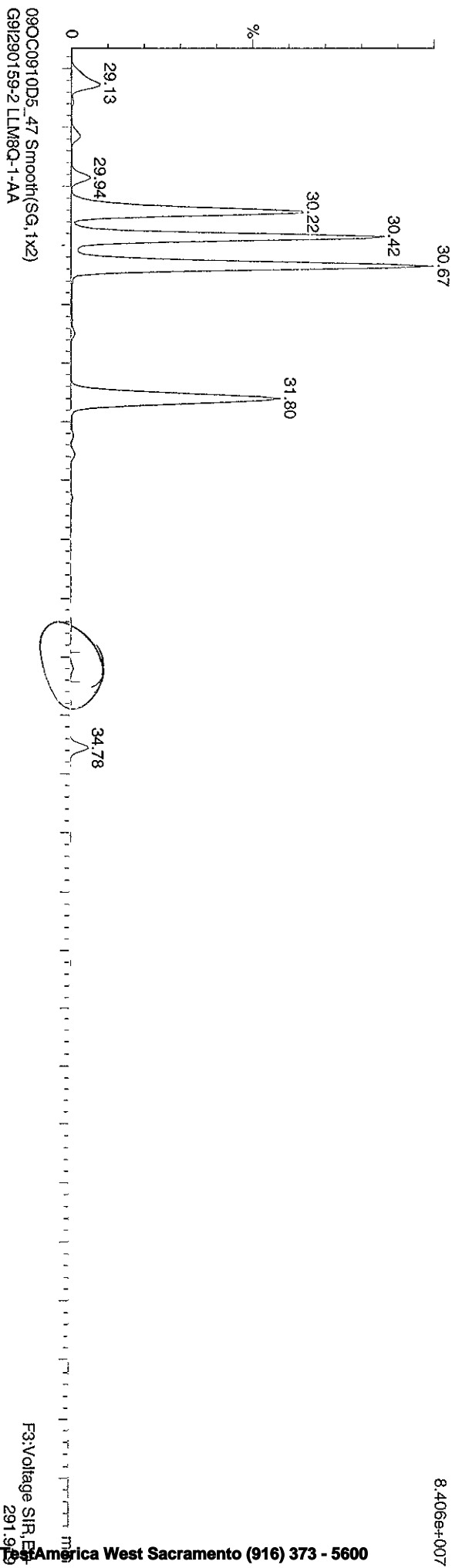
Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 05 Oct 2009 10:40:41  
Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D5\1668MSL.cdb 21 Jul 2009 13:15:46

Sample Name: 090C0910D5\_47

090C0910D5\_47 Smooth(SG,1x2)  
G91290159-2.LLM8Q-1-AA

F3:Voltage SIR, EI+

289.922  
8.40e+007



F3:Voltage SIR, EI+

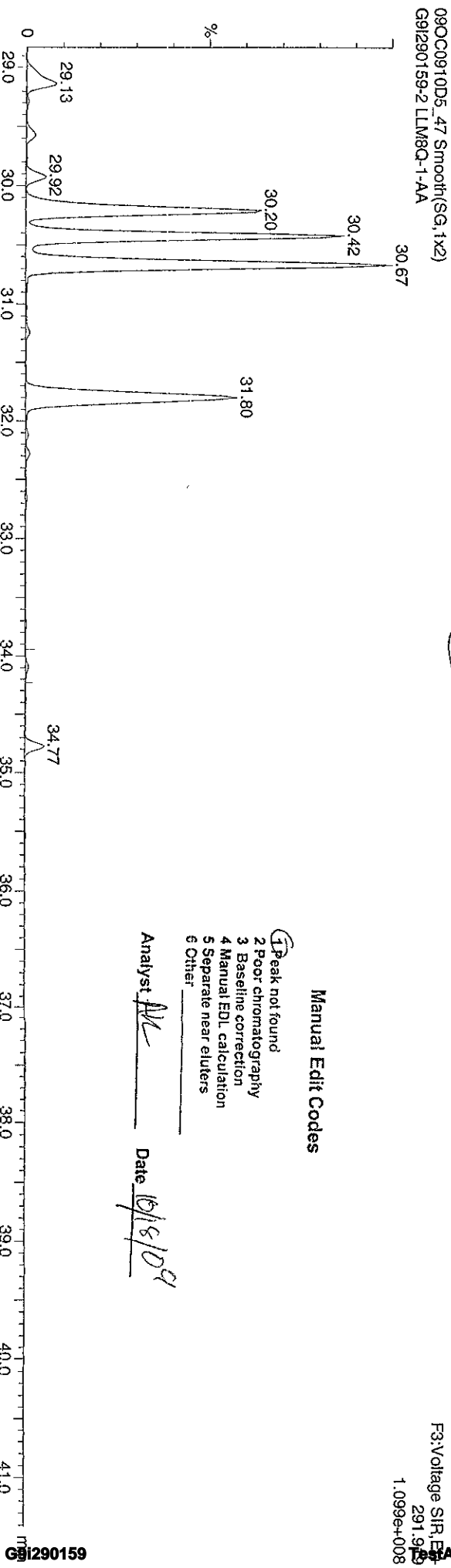
291.979  
1.099e+008

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK

Date 10/18/09



Dataset: X:\ATG\10D5\090CC0910D51668MSLak.qld

Last Altered: Sunday, October 18, 2009 13:59:43 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 14:00:36 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 05 Oct 2009 10:40:41  
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Sample Name: 090CC0910D5\_47

090CC0910D5\_47 Smooth(SG,1x2)  
G91290159-2.LLM8Q-1-AA

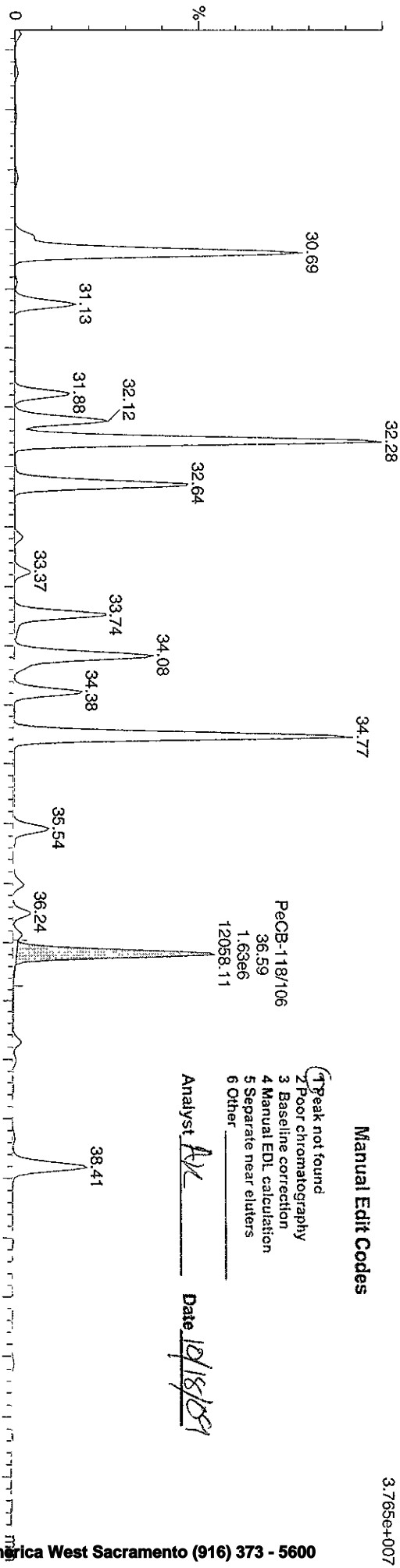
F3: Voltage S1R, EI+  
323.883

3.765e+007

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

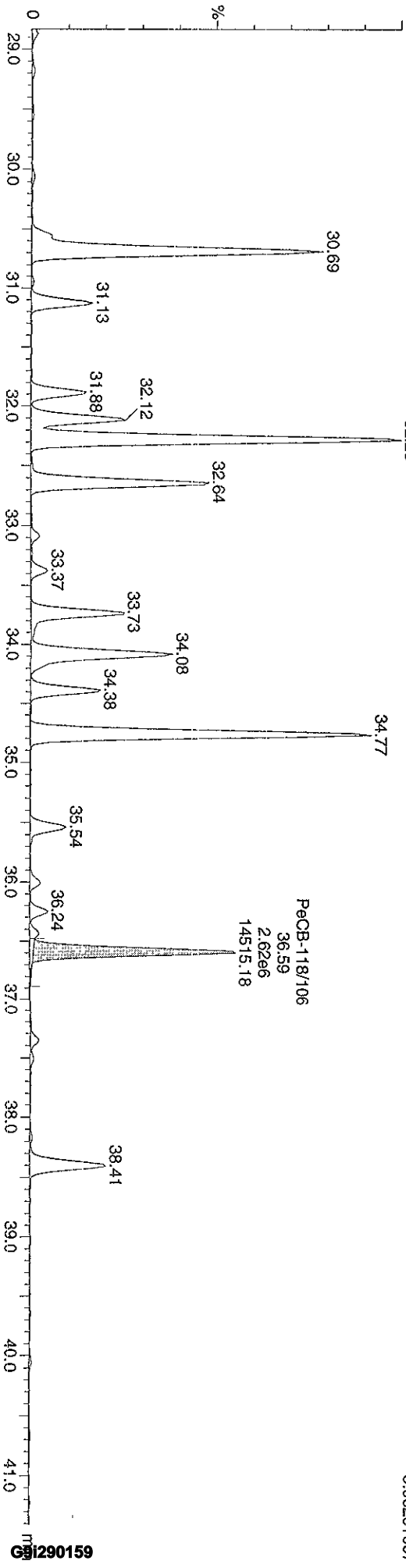
Analyst *AK* Date *10/18/09*



090CC0910D5\_47 Smooth(SG,1x2)  
G91290159-2.LLM8Q-1-AA

F3: Voltage S1R, EI+  
325.890

5.962e+007



Dataset: X:\ATG\10D5\090C0910D5\1668MSLak.qld

Last Altered: Sunday, October 18, 2009 13:51:53 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 13:52:20 Pacific Daylight Time

Sample Name: 090C0910D5\_47

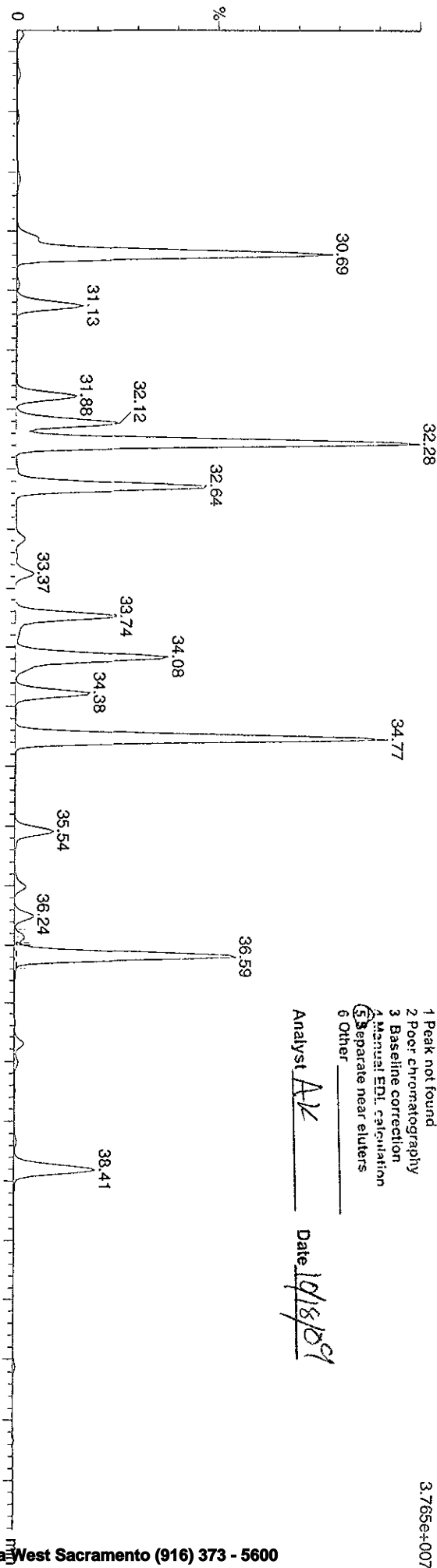
090C0910D5\_47 Smooth(SG,1x2)  
G91290159-2.LLM8Q-1-AA

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AL

Date 10/18/09

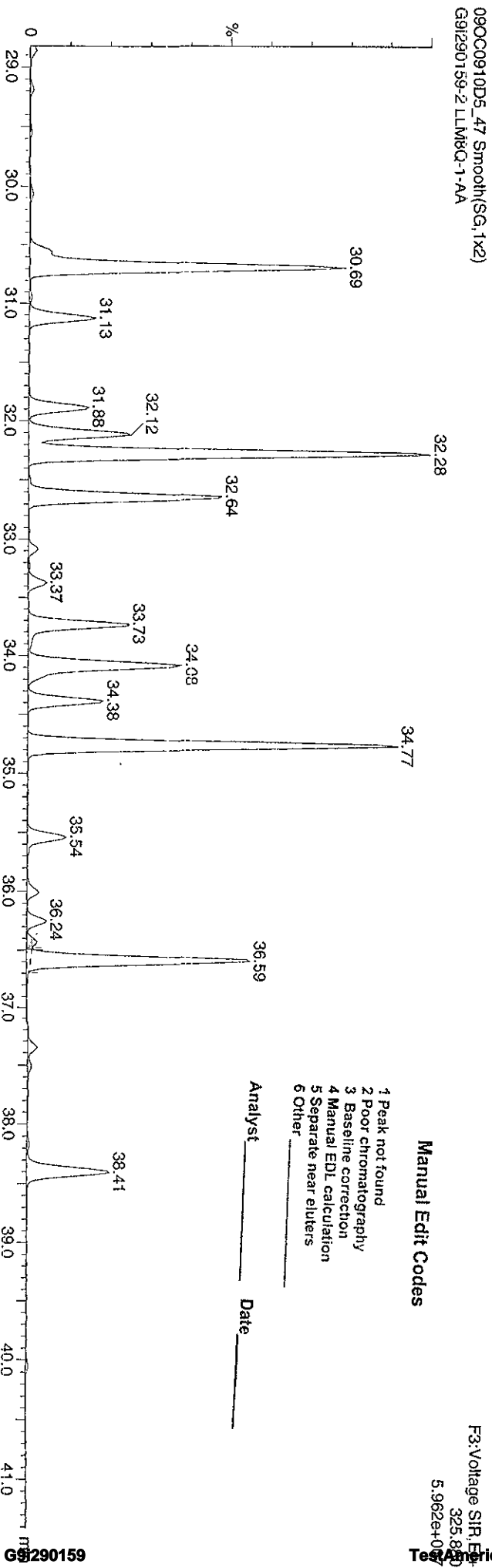


Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst \_\_\_\_\_

Date \_\_\_\_\_





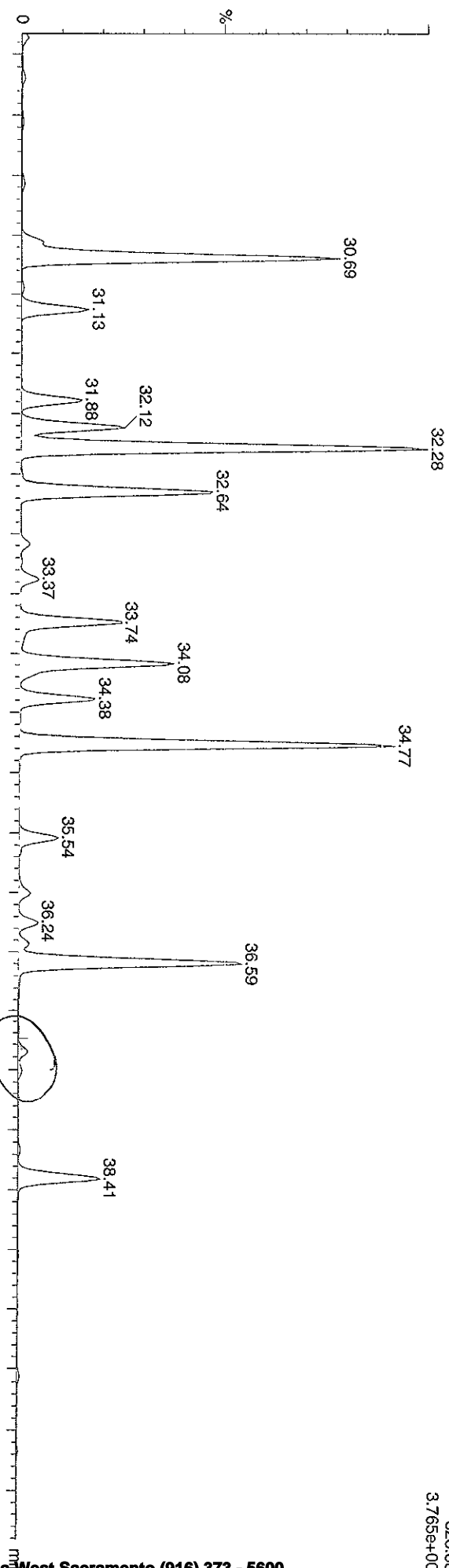
Dataset: X:\ATG\10D5\090C0910D5\1668MSL.ak.qld

Last Altered: Sunday, October 18, 2009 13:51:53 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 13:52:20 Pacific Daylight Time

Sample Name: 090C0910D5\_47

090C0910D5\_47 Smooth(SG,1x2)  
G91290159-2 LLM8Q-1-AA

F3: Voltage SIR, EI+  
323.883  
3.765e+007



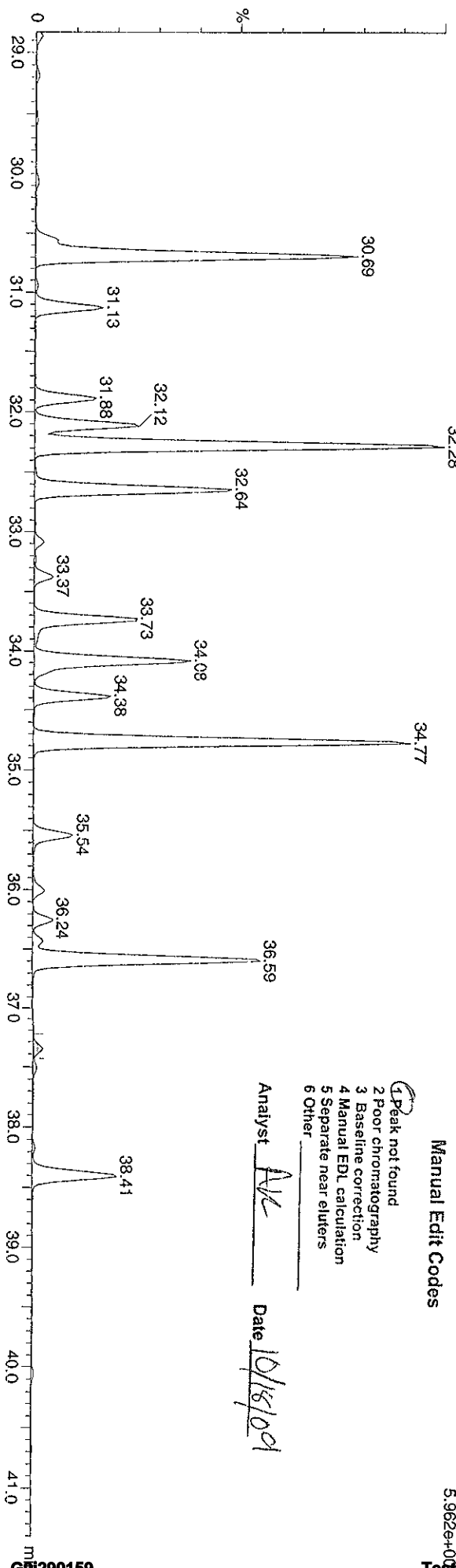
090C0910D5\_47 Smooth(SG,1x2)  
G91290159-2 LLM8Q-1-AA

F3: Voltage SIR, EI+  
325.883  
5.962e+007

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK Date 10/18/09



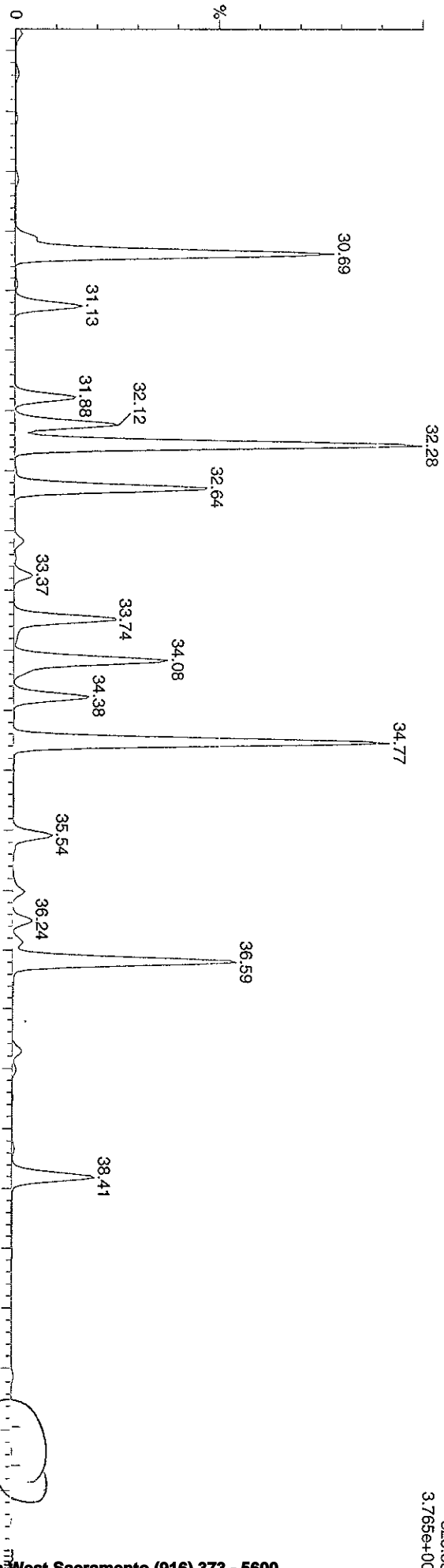
Dataset: X:\ATG\10D5\090C0910D5\1668MSL.ak.qld

Last Altered: Sunday, October 18, 2009 13:51:53 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 13:52:20 Pacific Daylight Time

Sample Name: 090C0910D5\_47

090C0910D5\_47 Smooth(SG,1x2)  
G91290159-2-LLM8Q-1-AA

F3:Voltage SIR, EI+  
323.883  
3.765e+007



090C0910D5\_47 Smooth(SG,1x2)  
G91290159-2-LLM8Q-1-AA

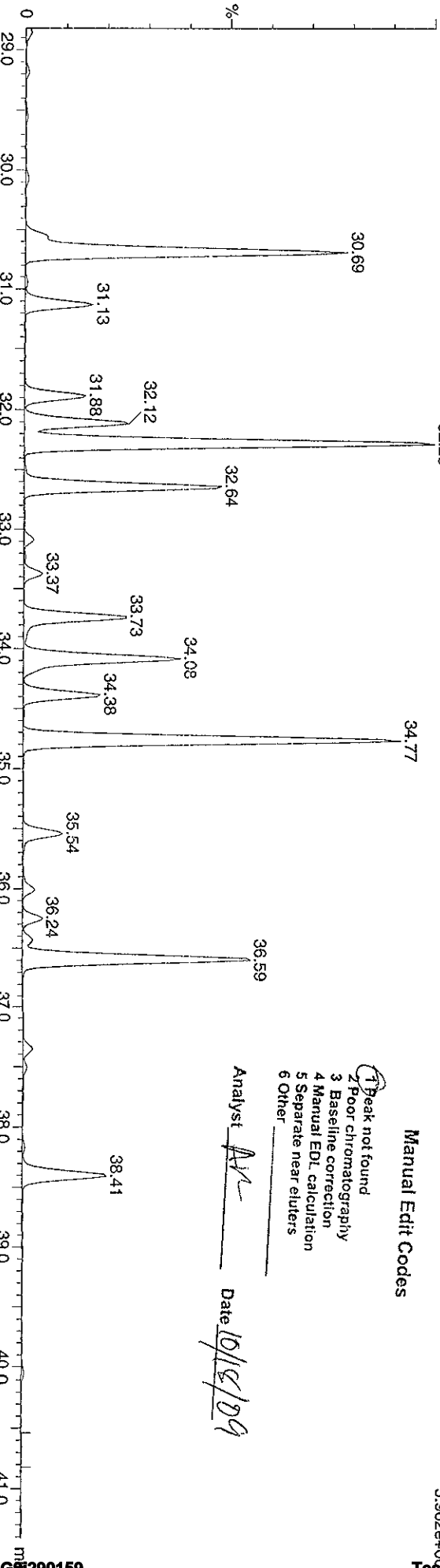
F3:Voltage SIR, EI+  
325.883  
5.962e+007

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst *AV*

Date *10/18/09*



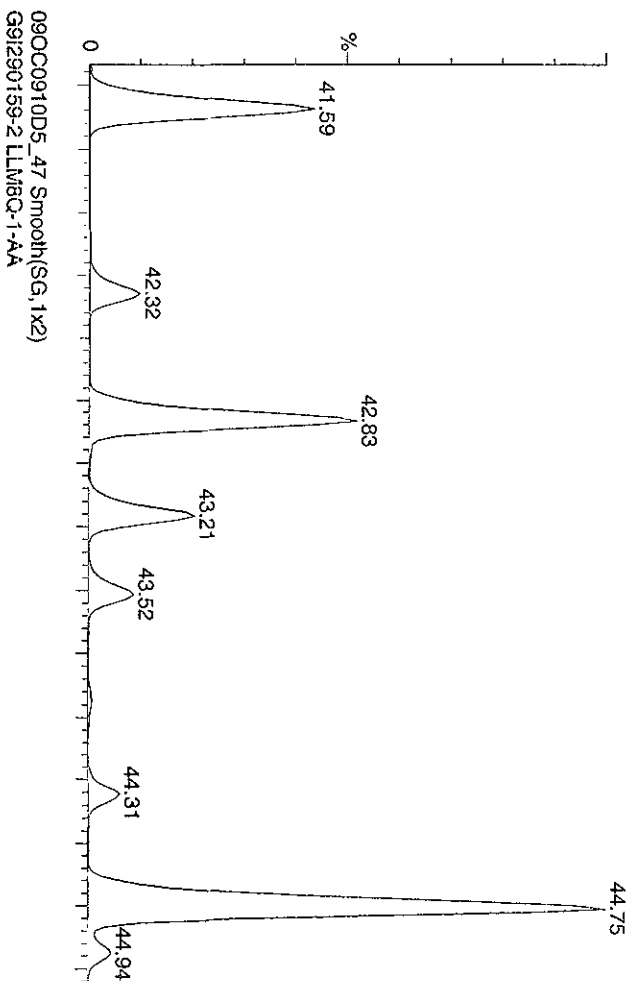
Dataset: X:\ATG\10D5\090C0910D5\668MSI\_lak.qld

Last Altered: Sunday, October 18, 2009 13:51:53 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 13:52:20 Pacific Daylight Time

Sample Name: 090C0910D5\_47

090C0910D5\_47 Smooth(SG,1x2)  
G91290159-2 LLM8Q-1-AA

F4: Voltage SIR, EI+  
393.803  
6.461e+006



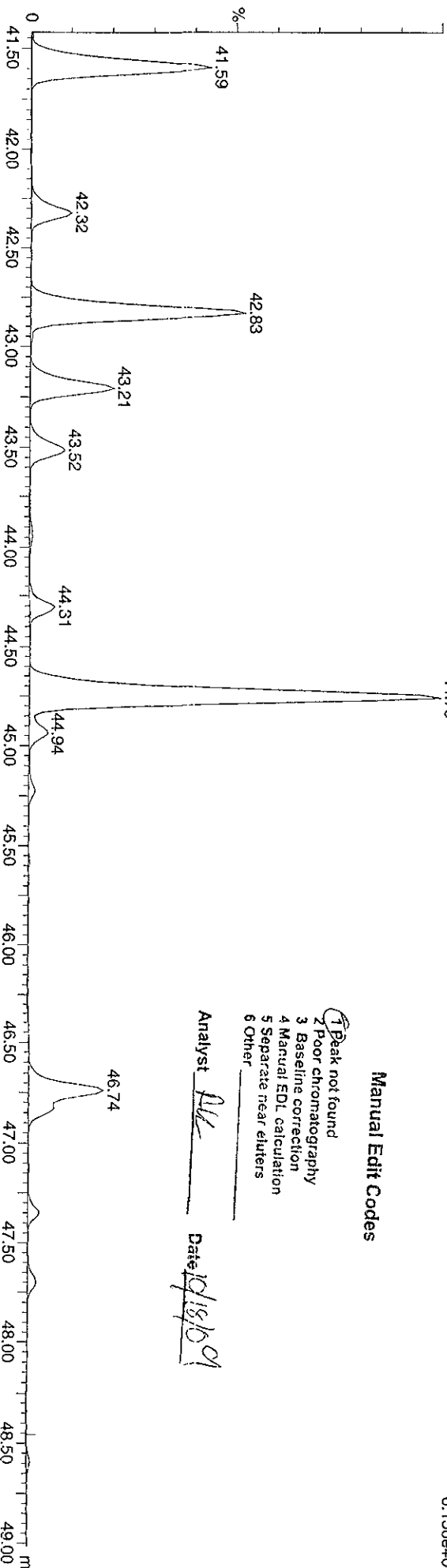
F4: Voltage SIR, EI+  
395.803  
6.156e+006

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK

Date 10/18/09



G91290159

Dataset: X:\ATG\10D5\09OC0910D5\1668MSLak.qld

Last Altered: Monday, October 19, 2009 08:22:33 Pacific Daylight Time  
 Printed: Monday, October 19, 2009 08:37:36 Pacific Daylight Time

Name: 09OC0910D5\_48, Date: 11-Oct-2009, Time: 06:25:39, ID: LLM8R-1-AA, Description: G91290159-3, Task:

*AK 10/18/09*

# Name	Trace	Sample Size	RT	Prd. RT	RRF M...	Abs. Resp	Pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio Fl.
1 13C-PeCB-101	335.924	0.500	32.17	32.31	1.000	785366.19	4000.0000	4000.0000	100.0	3.4311		0.64	NO
2													
3 13C-TeCB-81	301.963	0.500	34.03	34.08	1.040	888822.00	4353.4687	4353.4690	108.8	4.6960		0.80	NO
4 TeCB-81	289.922	0.500	34.03	34.03	1.458	108041.80	333.3991	333.3990 <i>✓</i>	111.0	3.9875	18-Oct-09	0.74	NO
5 13C-TeCB-77	301.963	0.500	34.68	34.77	1.104	962580.50	4439.5369	4439.5370	111.0	4.4219		0.79	NO
6 TeCB-77	289.922	0.500	34.72	34.68	1.271	653300.91	2136.6101	2136.6100 <i>✓</i>	ND <i>6</i>	4.1793		0.77	NO
7													
8 13C-PeCB-123	335.924	0.500	36.34	36.43	0.993	896641.59	4597.8396	4597.8400	114.9	3.4545		0.63	NO
9 PeCB-123	323.883	0.500	36.38	36.34	1.505	130947.24	388.0515	348.6640 <i>✓</i>	116.0	2.5403	18-Oct-09	0.52	YES
10 13C-PeCB-118	335.924	0.500	36.51	36.60	1.024	933069.25	4640.5680	4640.5680	116.0	3.3505		0.64	NO
11 PeCB-118/106	323.883	0.500	36.53	36.51	1.525	3484382.50	9792.6534	9792.6530 <i>✓</i>	113.4	2.3951		0.61	NO
12 13C-PeCB-114	335.924	0.500	37.28	37.37	1.037	923590.06	4536.5558	4536.5560	118.2	3.3090		0.63	NO
13 PeCB-114	323.883	0.500	37.32	37.28	1.586	135650.25	370.4154	370.4150 <i>✓</i>	118.2	2.4194	18-Oct-09	0.61	NO
14 13C-PeCB-105	335.924	0.500	38.34	38.44	0.982	910776.72	4726.1288	4726.1290	126.8	3.4958		0.63	NO
15 PeCB-105/127	323.883	0.500	38.36	38.34	1.433	1484160.75	4547.8162	4547.8160 <i>✓</i>	126.8	2.7616		0.63	NO
16 13C-PeCB-126	335.924	0.500	40.62	40.74	1.030	1025540.31	5071.1741	5071.1740	126.8	3.3313		0.62	NO
17 PeCB-126	323.883	0.500	40.64	40.62	1.156	17161.35	57.9122	57.9120 <i>✓</i>	100.0	3.1909	18-Oct-09	0.67	NO
18													
19 13C-OcCB-202	439.804	0.500	43.41	43.73	1.000	973250.28	4000.0000	4000.0000	100.0	1.5300		0.91	NO
20													
21 13C-HxCB-167	371.882	0.500	41.98	41.60	1.002	948632.59	3889.2306	3889.2310	97.2	3.0438		1.29	NO
22 HxCB-167	359.841	0.500	42.01	41.98	1.348	54057.05	169.0973	169.0970	121.6	2.3885		1.15	NO
23 13C-HxCB-156	371.882	0.500	43.55	43.18	0.785	929273.16	4864.6494	4864.6490	121.6	3.8866		1.29	NO
24 HxCB-156	359.841	0.500	43.56	43.55	1.688	139009.93	354.3940	354.3940	112.0	1.8788		1.24	NO
25 13C-HxCB-157	371.882	0.500	43.92	43.92	0.835	910211.66	4478.7173	4478.7170	108.4	3.6532		1.30	NO
26 HxCB-157	359.841	0.500	43.95	43.92	1.660	27424.78	72.6180	72.6180	108.4	2.0216		1.18	NO
27 13C-HxCB-169	371.882	0.500	46.13	46.15	0.871	919435.00	4337.1046	4337.1050	108.4	3.5022		1.28	NO
28 HxCB-169	359.841	0.500	46.13	46.13	1.098				2.9307				NO
29													
30 13C-HpCB-180	405.843	0.500	44.71	44.69	0.684	715542.66	4299.2977	4299.2980	107.5	3.0114		1.06	NO
31 HpCB-180	393.803	0.500	44.72	44.71	1.300	1150151.31	4944.4581	4944.4580 <i>✓</i>	123.5	2.7965		1.04	NO
32 13C-HpCB-170	405.843	0.500	46.69	46.71	0.548	658208.66	4938.9077	4938.9080	120.7	3.7608		1.05	NO
33 HpCB-170	393.803	0.500	46.72	46.69	1.615	292572.50	1100.9183	994.8840 <i>✓</i>	120.7	2.4667		0.86	YES
34 13C-HpCB-189	405.843	0.500	48.55	48.53	0.698	819629.69	4828.4021	4828.4020	120.7	2.9525		1.05	NO
35 HpCB-189	393.803	0.500	48.58	48.55	1.231	10005.64	39.6758	39.6760 <i>✓</i>	2.2800	18-Oct-09	0.99	NO	

Dataset: X:\ATG\10D5\09OC0910D5\1668MSLak.qld

Last Altered: Monday, October 19, 2009 08:22:33 Pacific Daylight Time

Printed: Monday, October 19, 2009 08:37:36 Pacific Daylight Time

Name: 09OC0910D5\_48, Date: 11-Oct-2009, Time: 06:25:39, ID: LLM8R-1-AA, Description: G9I290159-3, Task:

# Name	Trace	Sample Size	RT	Ptd.RT	RRF	M.	Ads.Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio Fl...
36														
37	13C-PeCB-111	335.924	0.500	33.91	34.06	1.305	955577.41	3123.4279		78.1	2.5657		0.63	NO
38														
39	Function 3 PFK	380.976	1.000											
40	Function 4 PFK	380.976	1.000											

Dataset: C:\MassLynx\Default.pro\09OCC0910D51668MSL.qld

41335

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

17

7

Name: 09OCC0910D5\_48, Date: 11-Oct-2009, Time: 06:25:39, ID: LLM8R-1-AA, Description: G91290159-3, Task:

# Name	Trace	Sample Size	RT	Ptd RT	RRF M.	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ptd Ratio	Fatso	Mod Date
1 13C-PeCB-101	335.924	0.500	32.17	32.31	1.000	785366.19	4000.0000	4000.0000	100.0	3.4311	0.640	0.610	NO	
2														
3 13C-TeCB-81	301.963	0.500	34.03	34.08	1.040	888822.00	4353.4687	4353.4687	108.8	4.6960	0.800	0.770	NO	
4 TeCB-81	289.922	0.500	34.03	34.03	1.458					3.9875		0.770	NO	
5 13C-TeCB-77	301.963	0.500	34.68	34.77	1.104	962580.50	4439.5369	4439.5369	111.0	4.4219	0.794	0.770	NO	
6 TeCB-77	289.922	0.500	34.72	34.68	1.271	653300.91	2136.6101	2136.6101		4.1793	0.773	0.770	NO	
7														
8 13C-PeCB-123	335.924	0.500	36.34	36.43	0.993	896641.59	4597.8396	4597.8396	114.9	3.4545	0.635	0.610	NO	
9 PeCB-123	323.883	0.500	36.19	36.34	1.505	277780.91	823.1812	823.1812		2.5403	0.609	0.610	NO	
10 13C-PeCB-118	335.924	0.500	36.51	36.60	1.024	933069.25	4640.5680	4640.5680	116.0	3.3505	0.642	0.610	NO	
11 PeCB-118/106	323.883	0.500	36.53	36.51	1.525	3484382.50	9792.6534	9792.6534		2.3851	0.606	0.610	NO	
12 13C-PeCB-114	335.924	0.500	37.28	37.37	1.037	923590.06	4536.5558	4536.5558	113.4	3.3090	0.635	0.610	NO	
13 PeCB-114	323.883	0.500	37.28	37.28	1.586					2.4194		0.610	NO	
14 13C-PeCB-105	335.924	0.500	38.34	38.44	0.982	910776.72	4726.1288	4726.1288	118.2	3.4958	0.634	0.610	NO	
15 PeCB-105/127	323.883	0.500	38.36	38.34	1.433	1484160.75	4547.8162	4547.8162		2.7616	0.628	0.610	NO	
16 13C-PeCB-126	335.924	0.500	40.62	40.74	1.030	1025540.31	5071.1741	5071.1741	126.8	3.3313	0.622	0.610	NO	
17 PeCB-126	323.883	0.500	40.62	40.62	1.156					3.1909		0.610	NO	
18														
19 13C-OcCB-202	439.804	0.500	43.41	43.73	1.000	973250.28	4000.0000	4000.0000	100.0	1.5300	0.912	0.890	NO	
20														
21 13C-HXCB-167	371.882	0.500	41.98	41.60	1.002	948632.59	3889.2306	3889.2306	97.2	3.0438	1.289	1.240	NO	
22 HXCB-167	359.841	0.500	42.01	41.98	1.348	54057.05	169.0973	169.0973		2.3885	1.153	1.240	NO	
23 13C-HXCB-156	371.882	0.500	43.55	43.18	0.785	929273.16	4864.6494	4864.6494	121.6	3.8866	1.291	1.240	NO	
24 HXCB-156	359.841	0.500	43.56	43.55	1.688	139009.93	354.3940	354.3940		1.8788	1.239	1.240	NO	
25 13C-HXCB-157	371.882	0.500	43.92	43.92	0.835	910211.66	4478.7173	4478.7173	112.0	3.6532	1.296	1.240	NO	
26 HXCB-157	359.841	0.500	43.95	43.92	1.660	27424.78	72.6180	72.6180		2.0216	1.180	1.240	NO	
27 13C-HXCB-169	371.882	0.500	46.13	46.15	0.871	919435.00	4337.1046	4337.1046	108.4	3.5022	1.284	1.240	NO	
28 HXCB-169	359.841	0.500	46.13	46.13	1.098					2.9307		1.240	NO	
29														
30 13C-HpCB-180	405.843	0.500	44.71	44.69	0.684	715542.66	4299.2977	4299.2977	107.5	3.0114	1.060	1.050	NO	
31 HpCB-180	393.803	0.500	44.72	44.71	1.300	1150151.31	4944.4581	4944.4581		2.7965	1.043	1.050	NO	
32 13C-HpCB-170	405.843	0.500	46.69	46.71	0.548	658208.66	4938.9077	4938.9077	123.5	3.7608	1.047	1.050	NO	
33 HpCB-170	393.803	0.500	46.72	46.69	1.615	292572.50	1100.9183	994.8844		2.4667	0.862	1.050	YES	
34 13C-HpCB-189	405.843	0.500	48.55	48.53	0.698	819629.69	4828.4021	4828.4021	120.7	2.9525	1.049	1.050	NO	
35 HpCB-189	393.803	0.500	48.55	48.55	1.231					2.2800		1.050	NO	

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time

Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Name: 090C0910D5\_48, Date: 11-Oct-2009, Time: 06:25:39, ID: LLM8R-1-AA, Description: G9I290159-3, Task:

#	Name	Trace	Sample Size	RT	Ptd RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDI	Ratio	Ptd Ratio	Ratio	Mod Date
36																
37	13C-PeCB-111		335.924	0.500	33.91	34.06	1.305	955577.41	3123.4279		78.1	2.5657	0.628	0.610		NO
38																
39	Function 3 PFK		380.976	1.000												
40	Function 4 PFK		380.976	1.000												

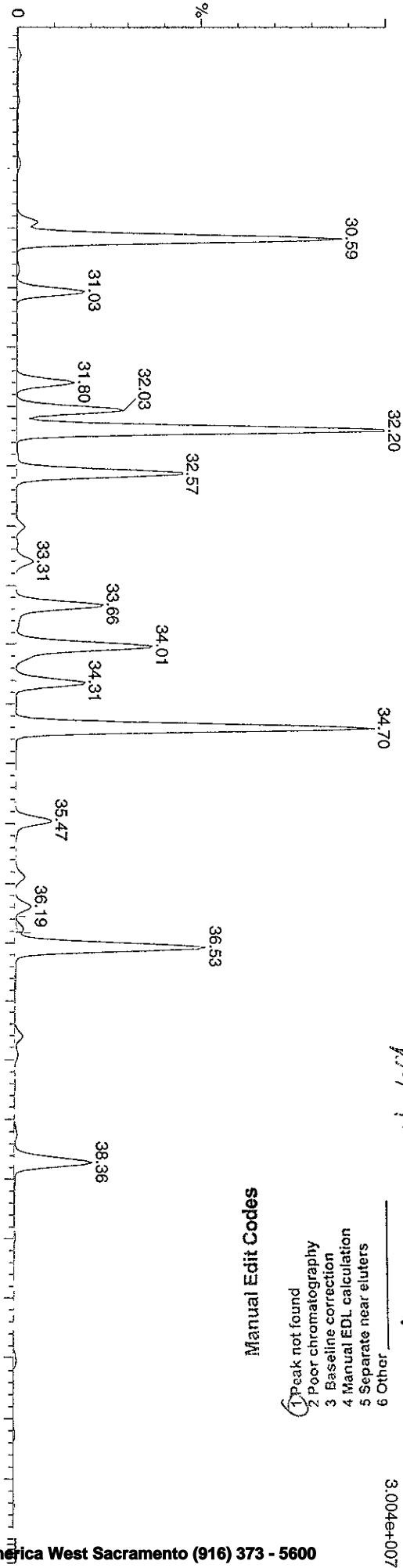
Dataset: X:\ATG\10D5\090C0910D5\1668MSLak.qld

Last Altered: Sunday, October 18, 2009 14:06:10 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 14:08:45 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 05 Oct 2009 10:40:41  
Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D5\1668MSL.cdb 21 Jul 2009 13:15:46

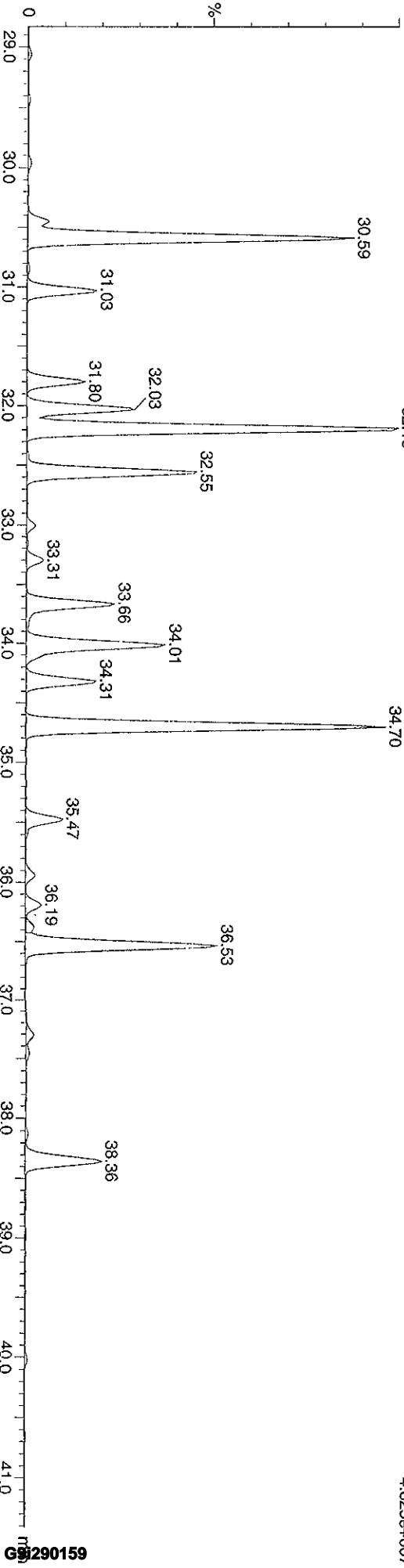
Sample Name: 090C0910D5\_48

090C0910D5\_48 Smooth(SG,1x2)  
G91290159-3 LLM8R-1-AA



090C0910D5\_48 Smooth(SG,1x2)  
G91290159-3 LLM8R-1-AA

F3: Voltage SIR, E1+  
325.883  
4.825e+007



G91290159

America West Sacramento (916) 373 - 5600

Manual Edit Codes

- 1 Peak
- 2 Poor
- 3 Base
- 4 correction
- 5 un
- 6 identification
- 7
- 8
- 9

*Handwritten signature*

*Handwritten initials*

F3: Voltage SIR, E1+  
323.883  
3.004e+007



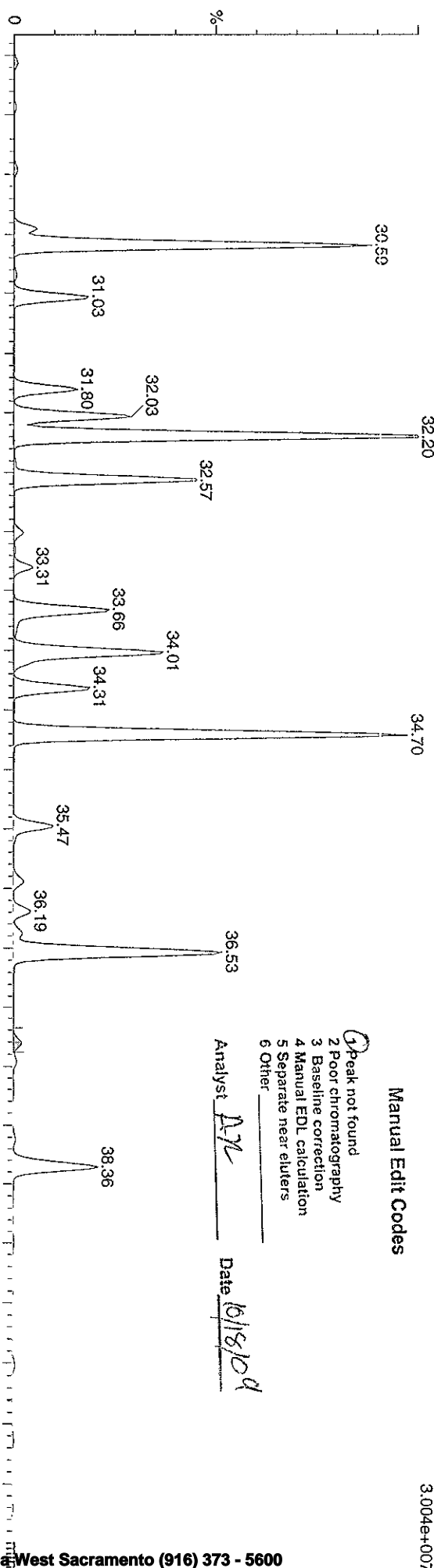
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Last Altered: Sunday, October 18, 2009 14:06:10 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 14:06:54 Pacific Daylight Time

Sample Name: 09OC0910D5\_48

09OC0910D5\_48 Smooth(SG,1x2)  
G91290159-3 LLM8R-1-AA

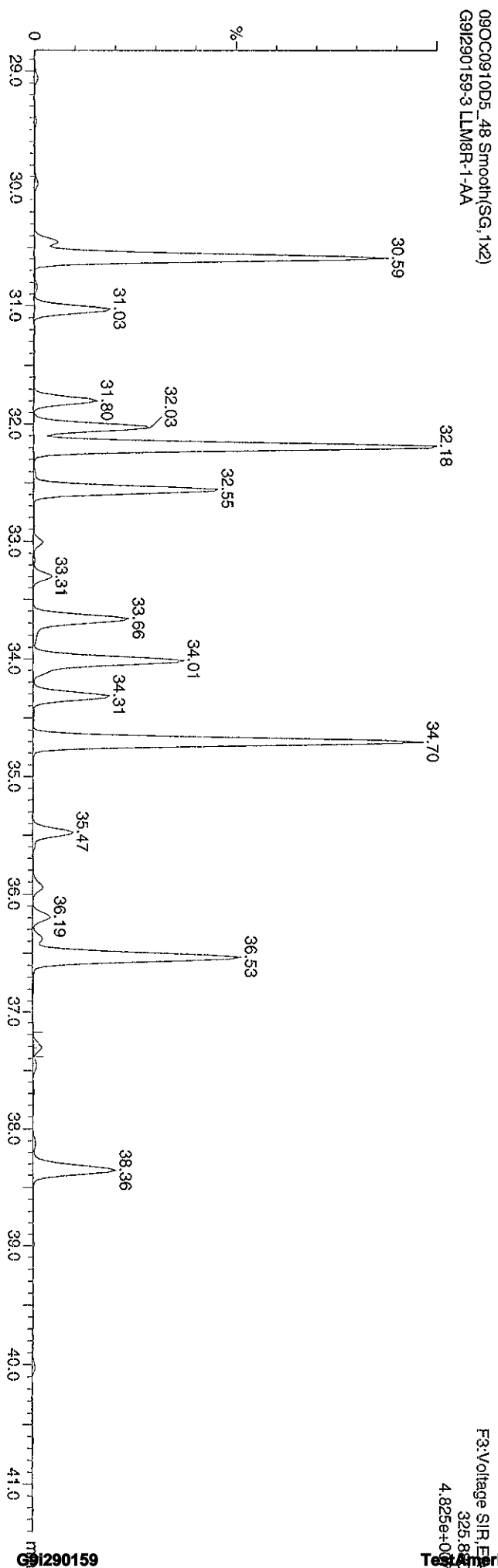
F3:Voltage SIR, EI+  
323.883  
3.004e+007



Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK Date 10/18/09



F3:Voltage SIR, EI+  
325.883  
4.825e+007

Dataset: X:\ATG\10D5\09OC0910D51668MSLak.qld

Last Altered: Sunday, October 18, 2009 14:06:10 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 14:06:54 Pacific Daylight Time

Sample Name: 09OC0910D5\_48

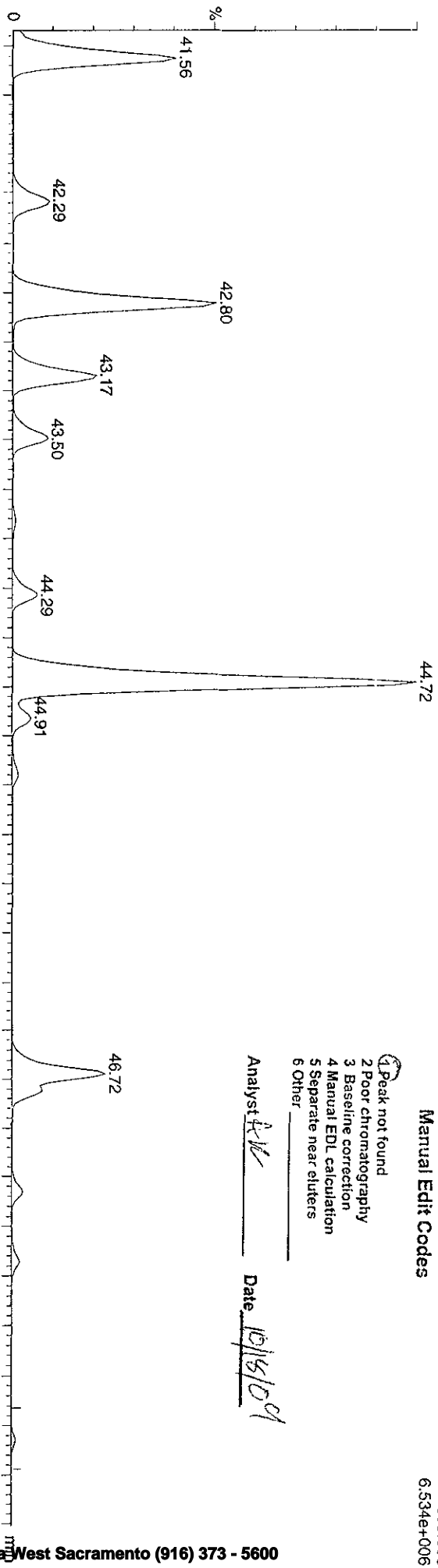
09OC0910D5\_48 Smooth(SG,1x2)  
G91290159-3.LLM8R-1-AA

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

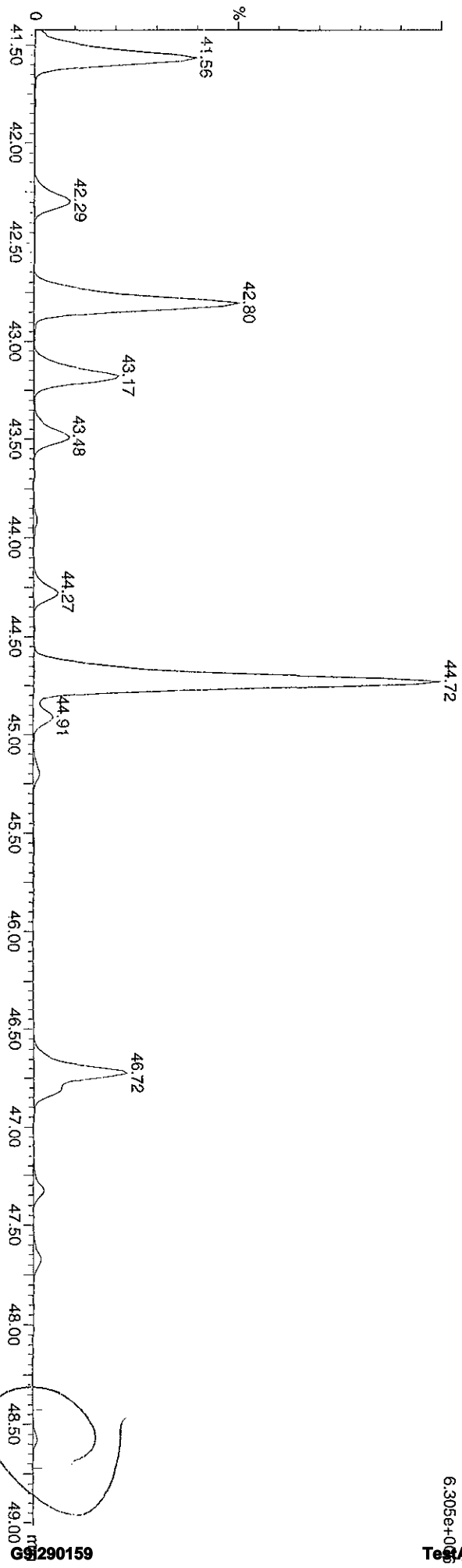
Analyst: FW Date: 10/18/09

F4: Voltage SIR, EI+  
393.803  
6.534e+006



09OC0910D5\_48 Smooth(SG,1x2)  
G91290159-3.LLM8R-1-AA

F4: Voltage SIR, EI+  
395.803  
6.305e+006



Dataset: X:\ATG\10D5\090CC0910D5\1668MSLak.qld

245 of 384

Last Altered: Sunday, October 18, 2009 14:06:10 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 14:06:54 Pacific Daylight Time

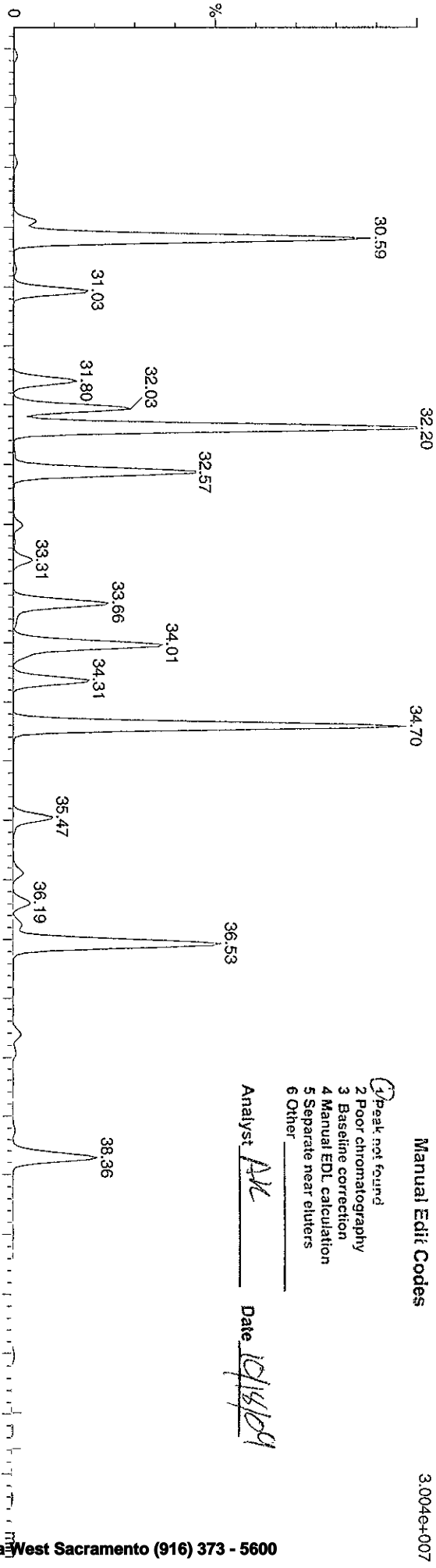
Sample Name: 090CC0910D5\_48

090CC0910D5\_48 Smooth(SG,1x2)  
G91290159-3 LLM8R-1-AA

Manual Edit Codes

- 1/peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

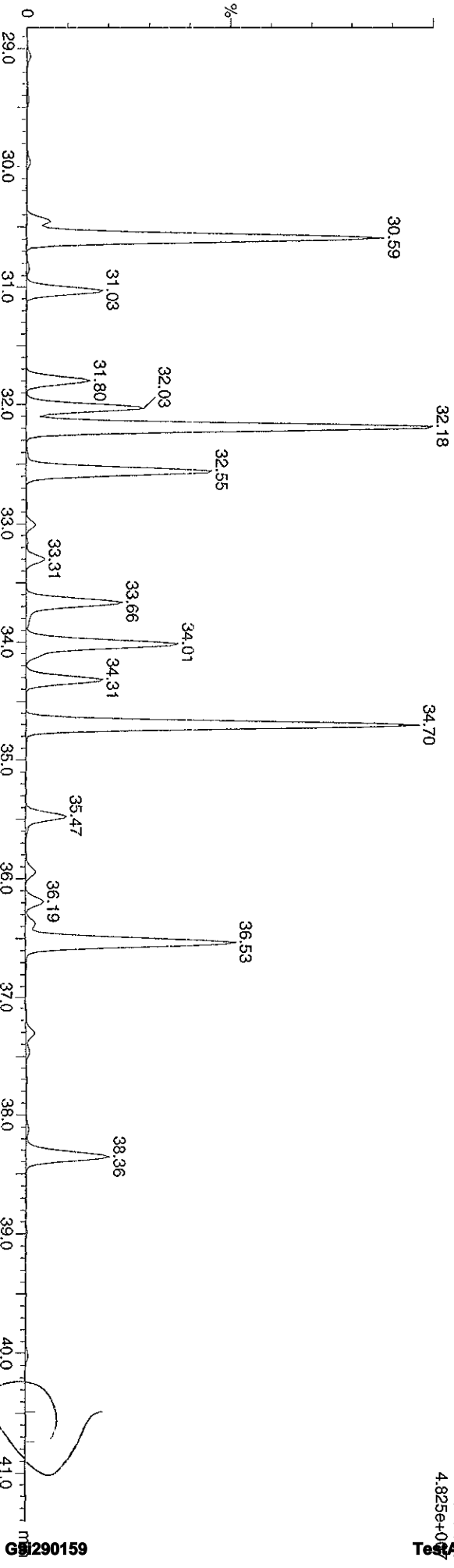
Analyst AK Date 10/18/09



F3: Voltage S1R, EI+  
323.883  
3.004e+007

090CC0910D5\_48 Smooth(SG,1x2)  
G91290159-3 LLM8R-1-AA

F3: Voltage S1R, EI+  
325.883  
4.825e+007



Dataset: X:\ATG\10D5\090CC0910D51668MSLak.qld

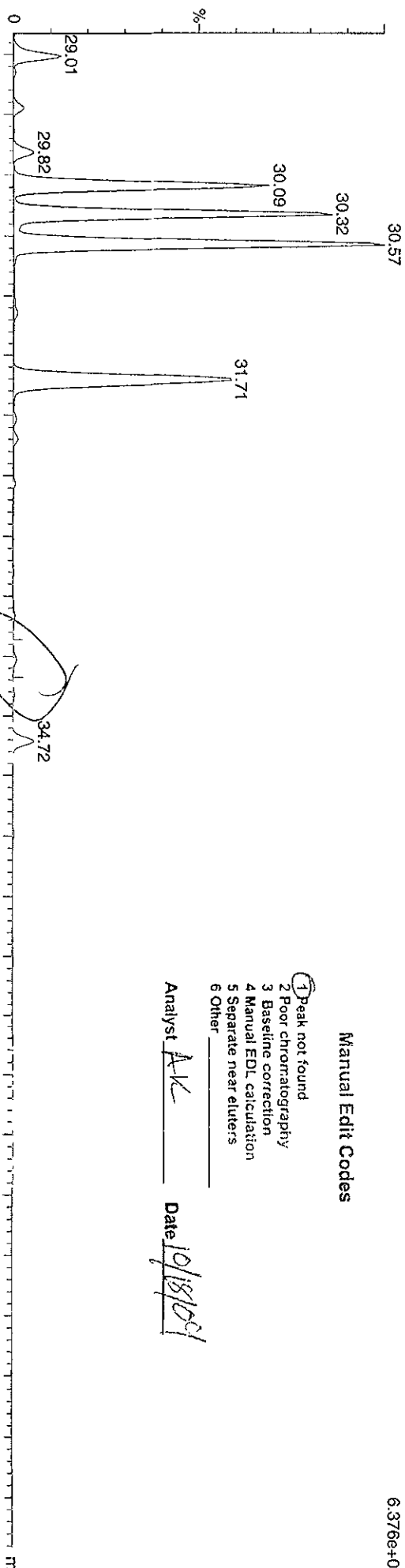
Last Altered: Sunday, October 18, 2009 14:06:10 Pacific Daylight Time  
Printed: Sunday, October 18, 2009 14:06:54 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 05 Oct 2009 10:40:41  
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Sample Name: 090CC0910D5\_48

090CC0910D5\_48 Smooth(SG,1x2)  
G91290159-3.LLM&R-1-AA

F3:Voltage SIR.EI+  
289.922  
6.376e+007



Manual Edit Codes

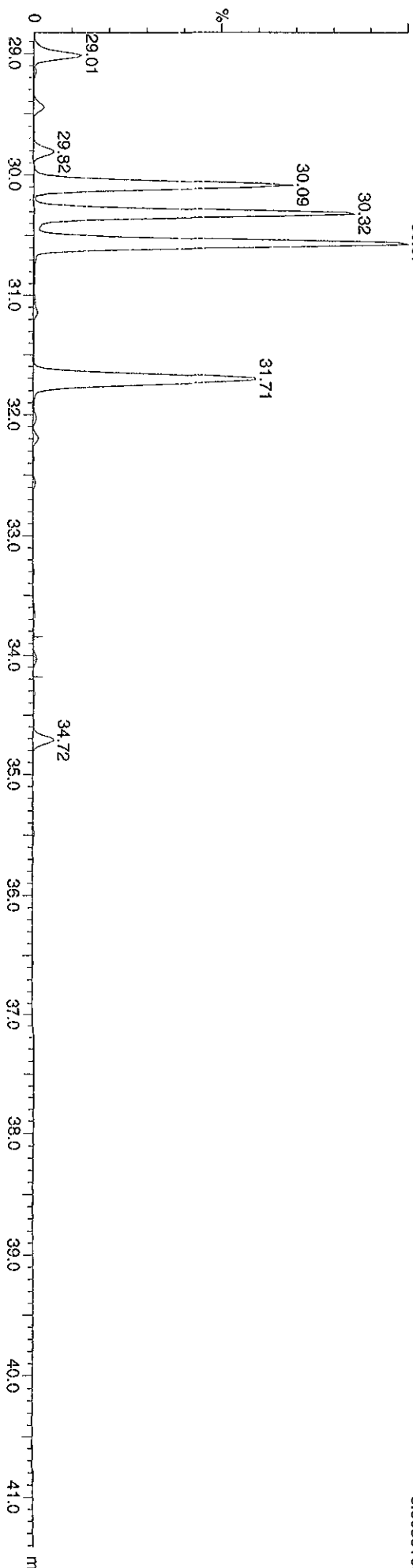
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other \_\_\_\_\_

Analyst AK

Date 10/18/09

090CC0910D5\_48 Smooth(SG,1x2)  
G91290159-3.LLM&R-1-AA

F3:Voltage SIR.EI+  
291.922  
8.303e+007



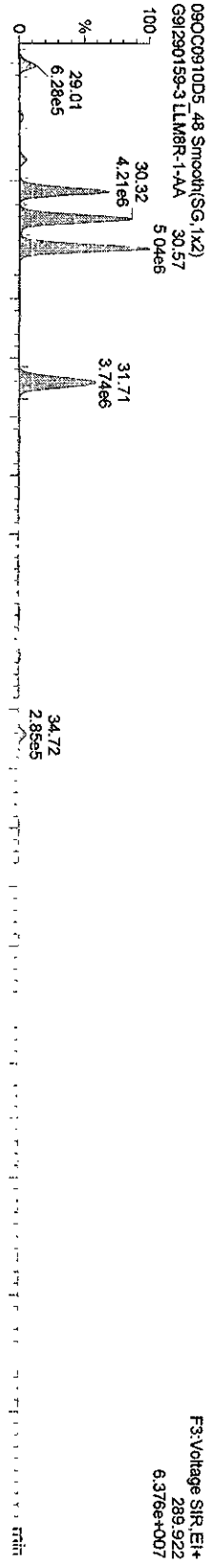
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Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time

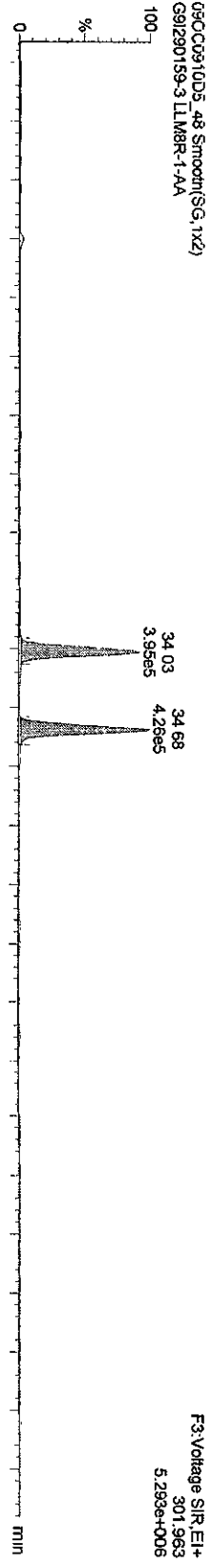
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_48, Date: 11-Oct-2009, Time: 06:25:39, ID: LLM8R-1-AA, Description: G91290159-3

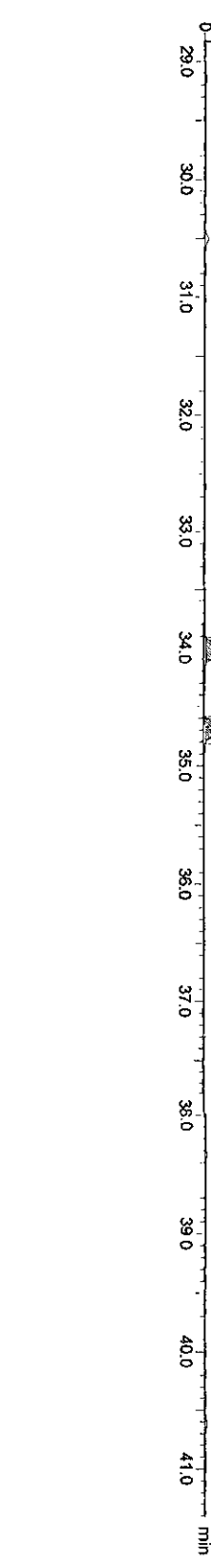
**TetraPCBs**



**13C-TetraPCBs**



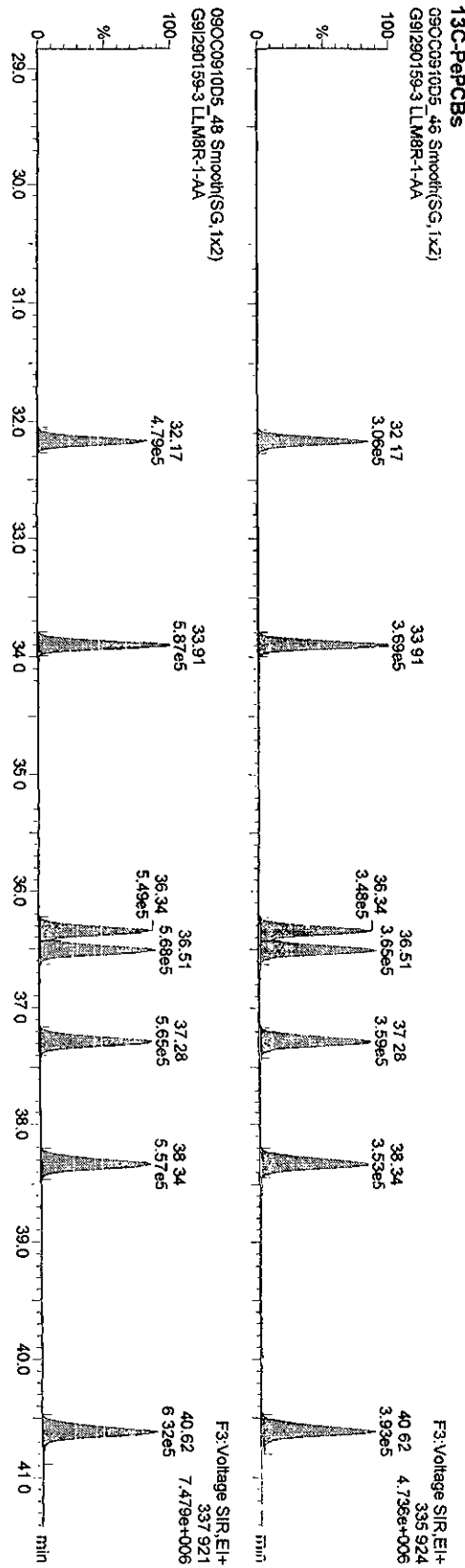
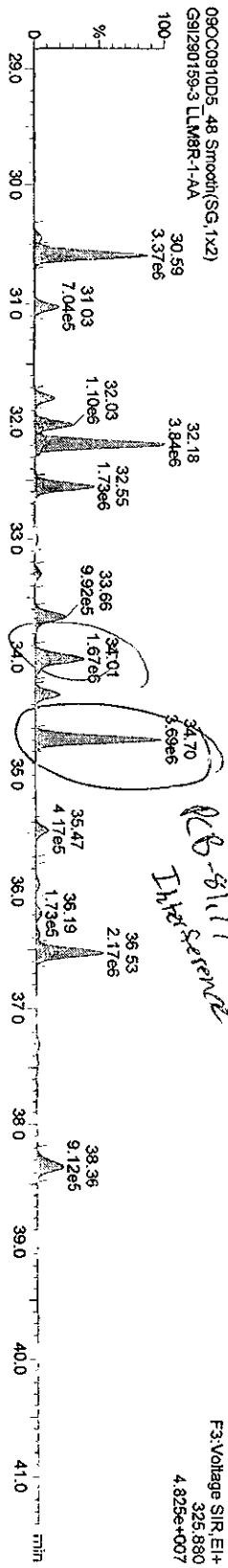
**13C-TetraPCBs**



Dataset C:\MassLynx\Default.pro\090C0910D51668\MSL.qtd

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_48, Date: 11-Oct-2009, Time: 06:25:39, ID: LLM8R-1-AA, Description: G91290159-3

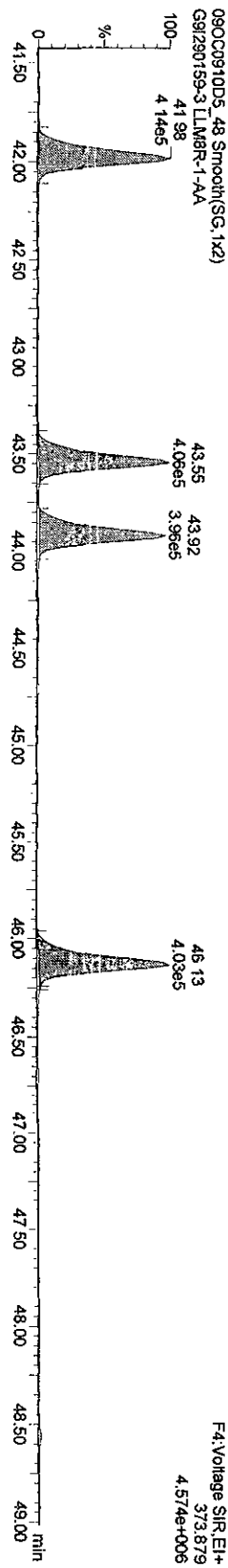
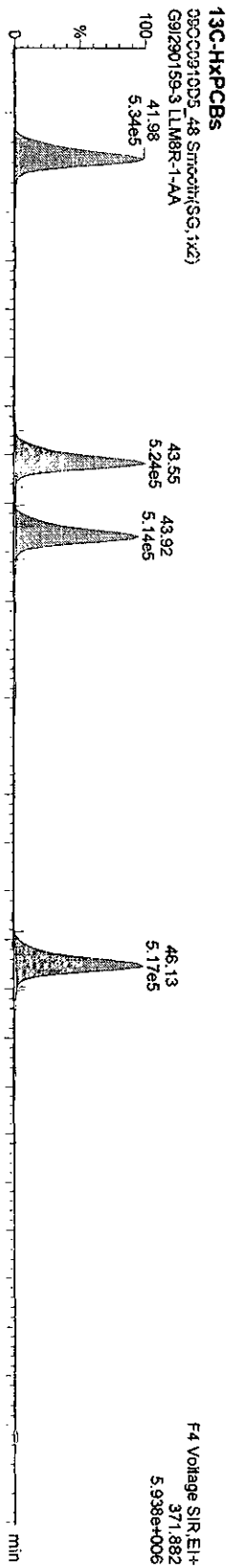
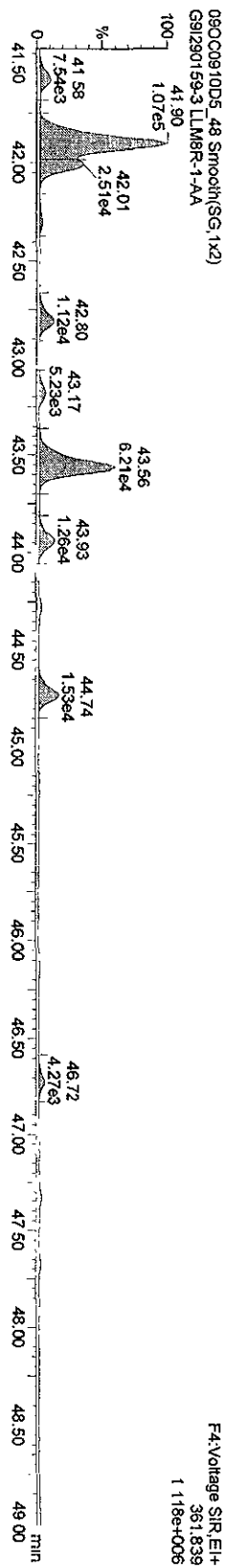
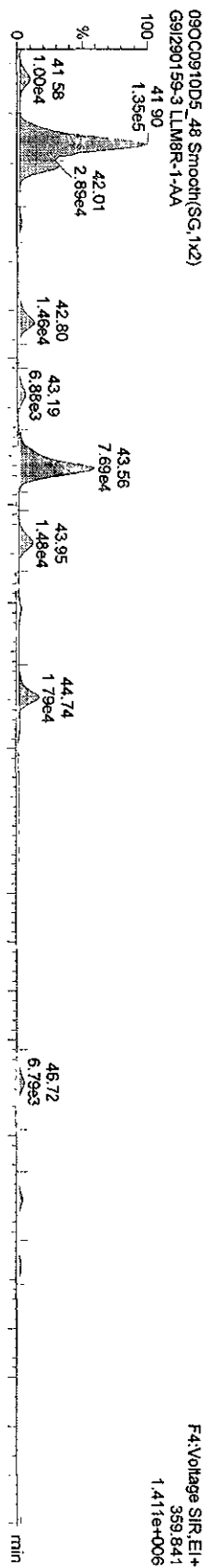


Dataset: C:\MassLynx\Default.pro\090C0910D51688MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_48, Date: 11-Oct-2009, Time: 06:25:39, ID: LLM8R-1-AA, Description: G91290159-3

H<sub>2</sub>PCBs-

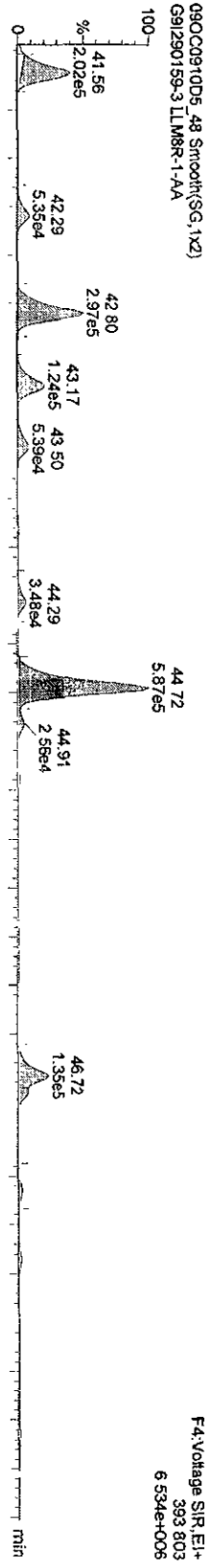


Dataset: C:\MassLynx\Default\pro\090C0910D5\1668MSL.qld

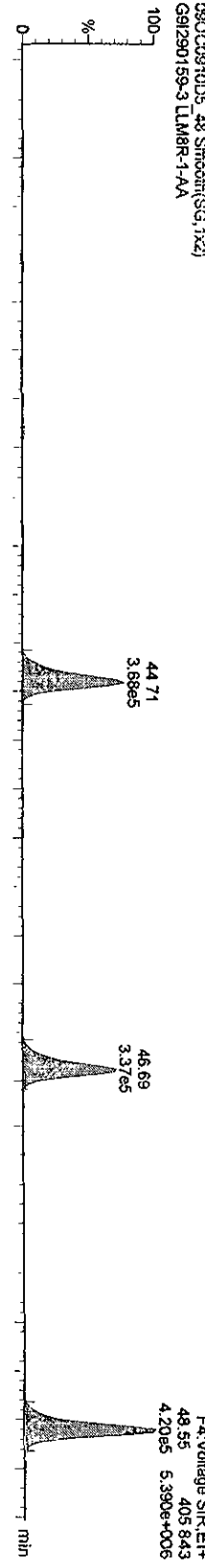
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_48, Date: 11-Oct-2009, Time: 06:25:39, ID: LLM8R-1-AA, Description: G91290159-3

HPCCBs



13C-HPCCBs



HPCCBs



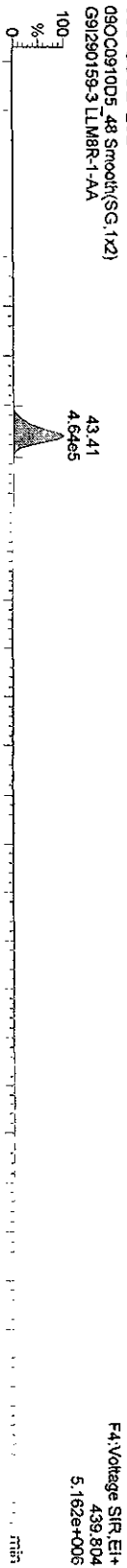


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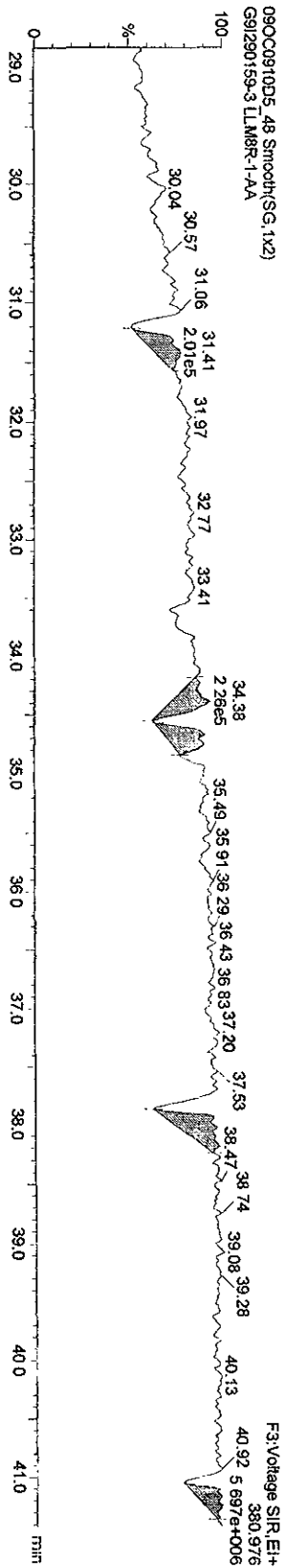
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_48, Date: 11-Oct-2009, Time: 06:25:39, ID: LLM8R-1-AA, Description: G91290159-3

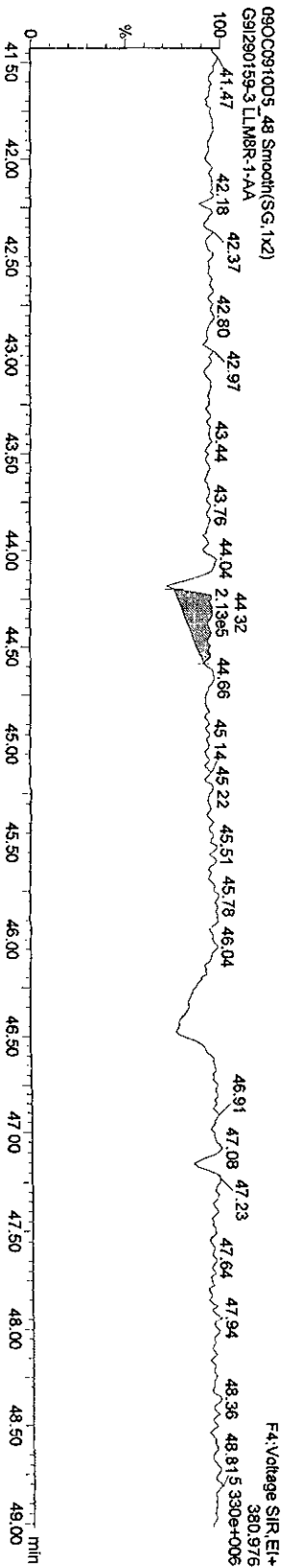
13C-OCCE-202



Function 3 PFK



Function 4 PFK



Dataset: X:\ATG\10D5\09OCC0910D51668MSL.ak.qld

Last Altered: Monday, October 19, 2009 08:22:33 Pacific Daylight Time  
 Printed: Monday, October 19, 2009 08:37:36 Pacific Daylight Time

Name: 09OCC0910D5\_49, Date: 11-Oct-2009, Time: 07:22:01, ID: LLM8T-1-AA, Description: G91290159-4, Task:

*NW 10/19/09*

# Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs. Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio Fl.
1 13C-PeCB-101	335.924	0.500	32.42	32.31	1.000	390275.06	4000.0000	4000.0000	100.0	8.4515		0.64	NO
2													
3 13C-TeCB-81	301.963	0.500	34.26	34.33	1.040	435694.47	4294.4156	4294.4156	107.4	14.9985		0.79	NO
4 TeCB-81	289.922	0.500	34.25	34.26	1.458	25093.76	157.9687	157.9687 <i>NW</i>	103.5	7.5023	19-Oct-09	0.75	NO
5 13C-TeCB-77	301.963	0.500	34.92	35.02	1.104	445967.47	4139.0931	4139.0931	103.5	14.1230		0.80	NO
6 TeCB-77	289.922	0.500	34.93	34.92	1.271	110697.25	781.4168	781.4168	107.0	8.1778		0.78	NO
7													
8 13C-PeCB-123	335.924	0.500	36.56	36.68	0.993	414803.59	4280.3456	4280.3456	107.0	8.5091	19-Oct-09	0.63	NO
9 PeCB-123	323.883	0.500	36.60	36.56	1.505	46243.33	296.2229	263.2111 <i>NW</i>	105.1	4.4507		0.81	YES
10 13C-PeCB-118	335.924	0.500	36.73	36.85	1.024	420014.13	4203.6113	4203.6113	105.1	8.2529		0.66	NO
11 PeCB-118/106	323.883	0.500	36.75	36.73	1.525	1127903.25	7042.0060	7042.0060 <i>NW</i>	103.6	4.2007	19-Oct-09	0.62	NO
12 13C-PeCB-114	335.924	0.500	37.48	37.62	1.037	419369.70	4145.1996	4145.1996 <i>NW</i>	109.4	8.1507		0.65	NO
13 PeCB-114	323.883	0.500	37.52	37.48	1.586	23632.89	142.1240	142.1240 <i>NW</i>	109.4	4.2198	19-Oct-09	0.61	NO
14 13C-PeCB-105	335.924	0.500	38.52	38.69	0.982	419068.80	4376.0306	4376.0306	122.8	8.6108		0.63	NO
15 PeCB-105/127	323.883	0.500	38.54	38.52	1.433	354275.59	2359.3360	2359.3360 <i>NW</i>	100.0	4.4567		0.63	NO
16 13C-PeCB-126	335.924	0.500	40.81	40.99	1.030	493715.73	4912.8573	4912.8573	100.0	8.2055		0.63	NO
17 PeCB-126	323.883	0.500	40.82	40.81	1.156	15902.01	111.4670	111.4670 <i>NW</i>	100.0	5.0529	19-Oct-09	0.61	NO
18													
19 13C-OcCB-202	439.804	0.500	43.53	43.73	1.000	609495.53	4000.0000	4000.0000	86.7	2.4309		0.90	NO
20													
21 13C-HxCB-167	371.882	0.500	42.15	41.72	1.002	530001.78	3469.7405	3469.7405	110.4	4.8963		1.30	NO
22 HxCB-167	359.841	0.500	42.17	42.15	1.348	68361.33	382.7504	382.7504	110.4	5.3476		1.26	NO
23 13C-HxCB-156	371.882	0.500	43.70	43.30	0.785	528162.09	4414.9867	4414.9867	100.3	6.2519		1.29	NO
24 HxCB-156	359.841	0.500	43.72	43.70	1.688	138019.56	619.0951	619.0951	100.3	4.3204		1.28	NO
25 13C-HxCB-157	371.882	0.500	44.07	44.04	0.835	510681.17	4012.5007	4012.5007	81.8	5.8764		1.24	NO
26 HxCB-157	359.841	0.500	44.09	44.07	1.660	22235.81	104.9414	104.9414 <i>NW</i>	100.1	4.6401		1.28	NO
27 13C-HxCB-169	371.882	0.500	46.29	46.27	0.871	434330.73	3271.5490	3271.5490	100.1	5.6335		1.28	NO
28 HxCB-169	359.841	0.500	46.29	46.29	1.098				100.1	8.2156		1.06	NO
29													
30 13C-HpCB-180	405.843	0.500	44.85	44.81	0.684	417145.75	4002.2464	4002.2464	110.1	4.4642		1.05	NO
31 HpCB-180	393.803	0.500	44.88	44.85	1.300	1197824.75	8829.2413	8829.2413 <i>NW</i>	110.1	3.4325		1.06	NO
32 13C-HpCB-170	405.843	0.500	46.83	46.83	0.548	367491.23	4403.1990	4403.1990	110.8	5.5750		1.05	NO
33 HpCB-170	393.803	0.500	46.85	46.83	1.615	361703.48	2437.7596	2437.7596 <i>NW</i>	110.8	3.0544		1.05	NO
34 13C-HpCB-189	405.843	0.500	48.67	48.65	0.698	471044.25	4430.9972	4430.9972	110.8	4.3769		1.05	NO
35 HpCB-189	393.803	0.500	48.70	48.67	1.231	13661.81	94.2637	94.2637 <i>NW</i>	110.8	2.8217	19-Oct-09	1.09	NO

Dataset: X:\ATG\10D5\090C0910D5\1668MSLak.dld

Last Altered: Monday, October 19, 2009 08:22:33 Pacific Daylight Time

Printed: Monday, October 19, 2009 08:37:36 Pacific Daylight Time

Name: 090C0910D5\_49, Date: 11-Oct-2009, Time: 07:22:01, ID: LLM8T-1-AA, Description: G9I290159-4, Task:

# Name	Trace	Sample Size	RT	Prod RT	RRF M...	Abs. Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio F...
36													
37 13C-PeCB-111		335.924	0.500	34.15	34.06	1.305	404939.23	2864.4394	71.6	5.2301		0.64	NO
38													
39 Function 3 PFK		380.976	1.000										
40 Function 4 PFK		380.976	1.000										

Quantity Sample Summary Report Masslynx 4.1

4811131735



Dataset: C:\MassLynx\Default.pro\09OCC0910D51668MSL.qld  
 Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Name: 09OCC0910D5\_49, Date: 11-Oct-2009, Time: 07:22:01, ID: LLM8T-1-AA, Description: G91290159-4, Task:

# Name	Trace	Sample Size	RT	Pub RT	RRF M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	0.500	32.42	32.31	1.000	390275.06	4000.0000	4000.0000	100.0	8.4515	0.639	0.610	NO	
2														
3 13C-TeCB-81	301.963	0.500	34.26	34.33	1.040	435694.47	4294.4156	4294.4156	107.4	14.9985	0.794	0.770	NO	
4 TeCB-81	289.922	0.500	34.26	34.26	1.458					7.5023		0.770	NO	
5 13C-TeCB-77	301.963	0.500	34.92	35.02	1.104	445967.47	4139.0931	4139.0931	103.5	14.1230	0.802	0.770	NO	
6 TeCB-77	289.922	0.500	34.93	34.92	1.271	110697.25	781.4168	781.4168		8.1778	0.779	0.770	NO	
7														
8 13C-PeCB-123	335.924	0.500	36.73	36.68	0.993	420014.13	4334.1129	4334.1129	108.4	8.5091	0.657	0.610	NO	
9 PeCB-123	323.883	0.500	36.75	36.73	1.505	1122786.13	7130.8889	7130.8889		4.2564	0.622	0.610	NO	
10 13C-PeCB-118	335.924	0.500	36.73	36.85	1.024	420014.13	4203.6113	4203.6113	105.1	8.2529	0.657	0.610	NO	
11 PeCB-118/106	323.883	0.500	36.60	36.73	1.525	46243.33	288.7179	256.5425		4.2007	0.812	0.610	YES	
12 13C-PeCB-114	335.924	0.500	37.48	37.62	1.037	419369.70	4145.1996	4145.1996	103.6	8.1507	0.649	0.610	NO	
13 PeCB-114	323.883	0.500	37.48	37.48	1.586					4.2198		0.610	NO	
14 13C PeCB-105	335.924	0.500	38.52	38.69	0.982	419068.80	4376.0306	4376.0306	109.4	8.6108	0.635	0.610	NO	
15 PeCB-105/127	323.883	0.500	38.54	38.52	1.433	354275.59	2359.3360	2359.3360		4.4567	0.628	0.610	NO	
16 13C-PeCB-126	335.924	0.500	40.81	40.99	1.030	493715.73	4912.8573	4912.8573	122.8	8.2055	0.629	0.610	NO	
17 PeCB-126	323.883	0.500	40.81	40.81	1.156					5.0529		0.610	NO	
18														
19 13C-OcCB-202	439.804	0.500	43.53	43.73	1.000	609495.53	4000.0000	4000.0000	100.0	2.4309	0.904	0.890	NO	
20														
21 13C-HxCB-167	371.882	0.500	42.15	41.72	1.002	530001.78	3469.7405	3469.7405	86.7	4.8963	1.299	1.240	NO	
22 HxCB-167	359.841	0.500	42.17	42.15	1.348	68361.33	382.7504	382.7504		5.3476	1.264	1.240	NO	
23 13C-HxCB-156	371.882	0.500	43.70	43.30	0.785	528162.09	4414.9867	4414.9867	110.4	6.2519	1.285	1.240	NO	
24 HxCB-156	359.841	0.500	43.72	43.70	1.688	138019.56	619.0951	619.0951		4.3204	1.286	1.240	NO	
25 13C-HxCB-157	371.882	0.500	44.07	44.04	0.835	510681.17	4012.5007	4012.5007	100.3	5.8764	1.282	1.240	NO	
26 HxCB-157	359.841	0.500	44.09	44.07	1.660	22235.81	104.9414	104.9414		4.6401	1.236	1.240	NO	
27 13C-HxCB-169	371.882	0.500	46.29	46.27	0.871	434330.73	3271.5490	3271.5490	81.8	5.6335	1.284	1.240	NO	
28 HxCB-169	359.841	0.500	46.29	46.29	1.098					8.2156		1.240	NO	
29														
30 13C-HpCB-180	405.843	0.500	44.85	44.81	0.684	417145.75	4002.2464	4002.2464	100.1	4.4642	1.057	1.050	NO	
31 HpCB-180	393.803	0.500	44.88	44.85	1.300	1197324.75	8829.2413	8829.2413		3.4325	1.046	1.050	NO	
32 13C-HpCB-170	405.843	0.500	46.83	46.83	0.548	367491.23	4403.1990	4403.1990	110.1	5.5750	1.064	1.050	NO	
33 HpCB-170	393.803	0.500	46.85	46.83	1.615	361703.48	2437.7596	2437.7596		3.0544	1.047	1.050	NO	
34 13C-HpCB-189	405.843	0.500	48.67	48.65	0.698	471044.25	4430.9972	4430.9972	110.8	4.3769	1.046	1.050	NO	
35 HpCB-189	393.803	0.500	48.67	48.67	1.231					2.8217		1.050	NO	

Dataset: C:\MassLynx\Default\prot090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Name: 090C0910D5\_49, Date: 11-Oct-2009, Time: 07:22:01, ID: LLM8T-1-AA, Description: G9I290159-4, Task:

# Name	Trace	Sample Size	RT	Ptd RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ptd Ratio	Ratio	Mod Date
36															
37	13C-PeCB-111	335.924	0.500	34.15	34.06	1.305	404939.23	2857.5684		71.4	5.1844	0.638	0.610		NO
38															
39	Function 3 PFK	380.976	1.000												
40	Function 4 PFK	380.976	1.000												

Dataset: X:\ATG\10D5\090C0910D51668MSLak.qld

Last Altered: Monday, October 19, 2009 08:09:41 Pacific Daylight Time

Printed: Monday, October 19, 2009 08:10:03 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 05 Oct 2009 10:40:41

Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Sample Name: 090C0910D5\_49

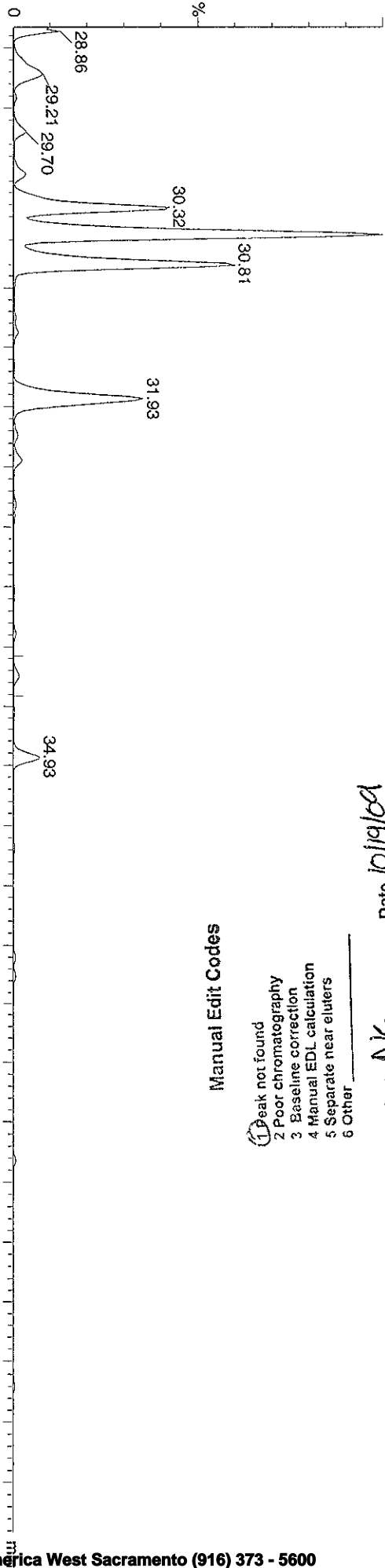
090C0910D5\_49 Smooth(SG, 1x2)

G912S0159-4 LLM8T-1-AA

*Wolfe* Date            Analyst AK

- 9 Other
- 5 Separate near eluters
- 4 Manual integration
- 3 Baseline correction
- 2 Poor chromatography
- 1 Peak not present

Manual Edit Codes

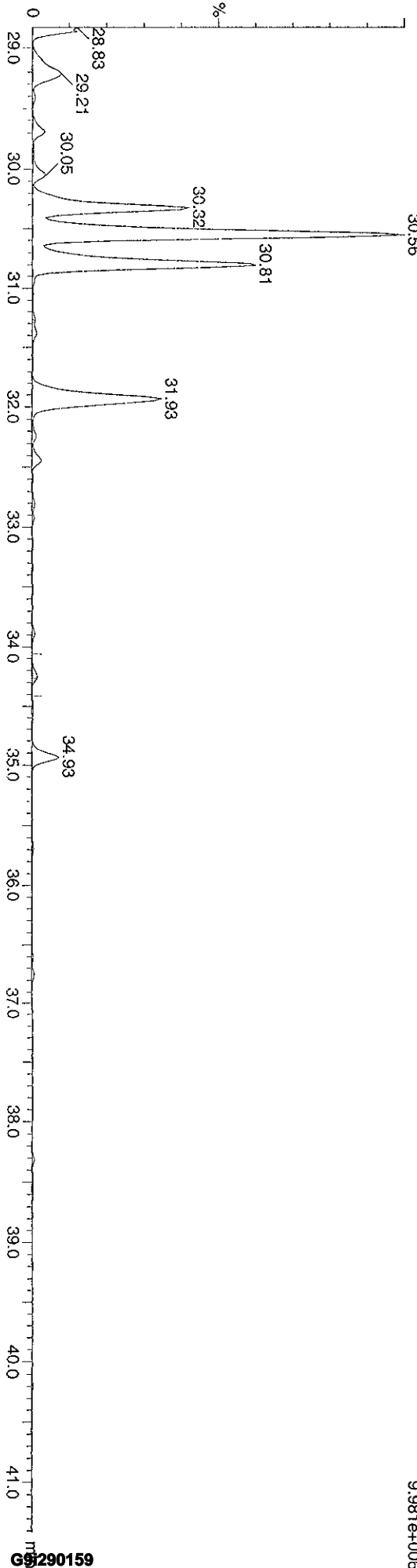


F3: Voltage SIR, EI+  
289.922

7.607e+006

090C0910D5\_49 Smooth(SG, 1x2)

G91290159-4 LLM8T-1-AA



F3: Voltage SIR, EI+  
291.922

9.981e+006

Dataset: X:\ATG\10D5\09OC0910D5\1668MSLak.qld

Last Altered: Monday, October 19, 2009 08:09:41 Pacific Daylight Time  
Printed: Monday, October 19, 2009 08:10:03 Pacific Daylight Time

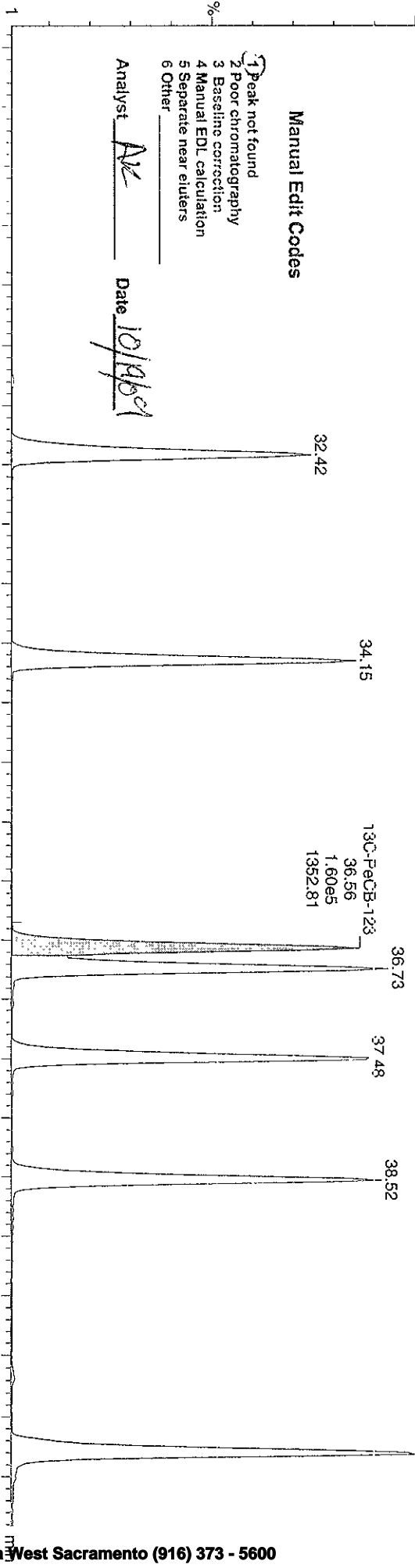
Sample Name: 09OC0910D5\_49

09OC0910D5\_49 Smooth(SG, 1x2)  
G91290159-4 LLM8T-1-AA

Manual Edit Codes

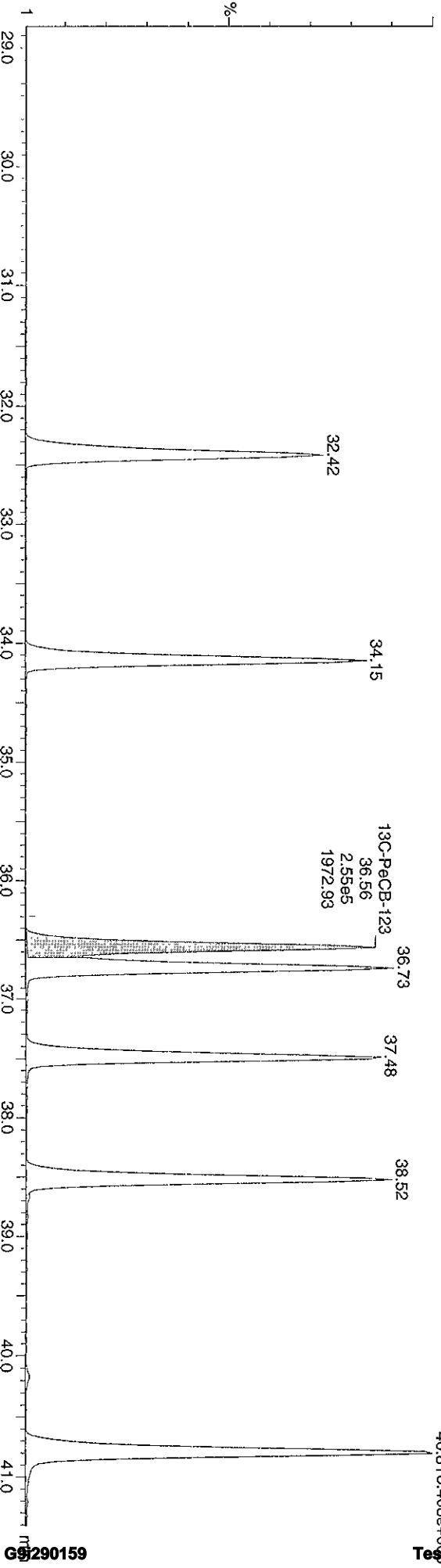
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK Date 10/19/09



F3:Voltage SIR.EI+  
335.924  
40.812.121e+006

09OC0910D5\_49 Smooth(SG, 1x2)  
G91290159-4 LLM8T-1-AA



F3:Voltage SIR.EI+  
337.924  
40.813.408e+006

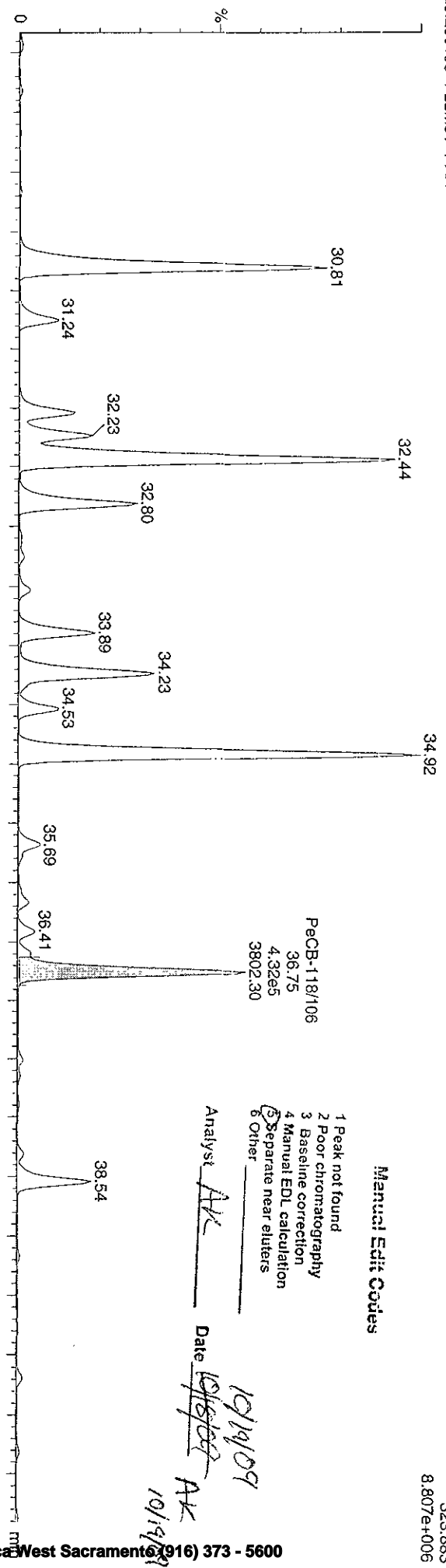
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Last Altered: Monday, October 19, 2009 08:09:41 Pacific Daylight Time  
Printed: Monday, October 19, 2009 08:10:03 Pacific Daylight Time

Sample Name: 090C0910D5\_49

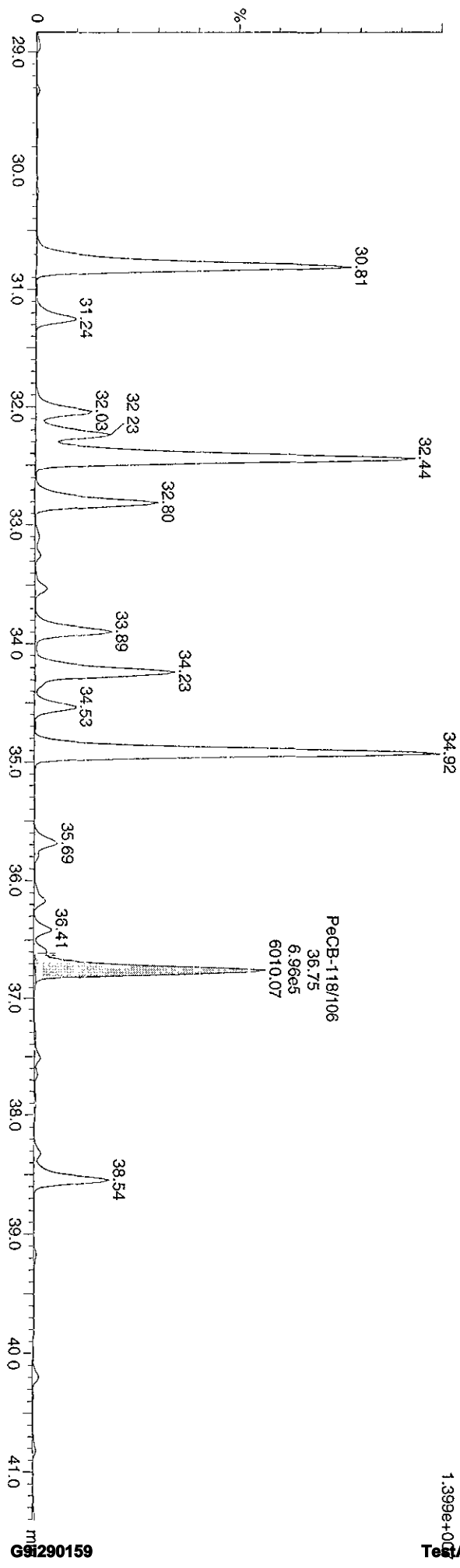
090C0910D5\_49 Smooth(SG,1x2)  
G91290159-4.LLM8T-1-AA

F3:Voltage SIR\_EI+  
323.883  
8.807e+006



090C0910D5\_49 Smooth(SG,1x2)  
G91290159-4.LLM8T-1-AA

F3:Voltage SIR\_EI+  
325.883  
1.399e+006





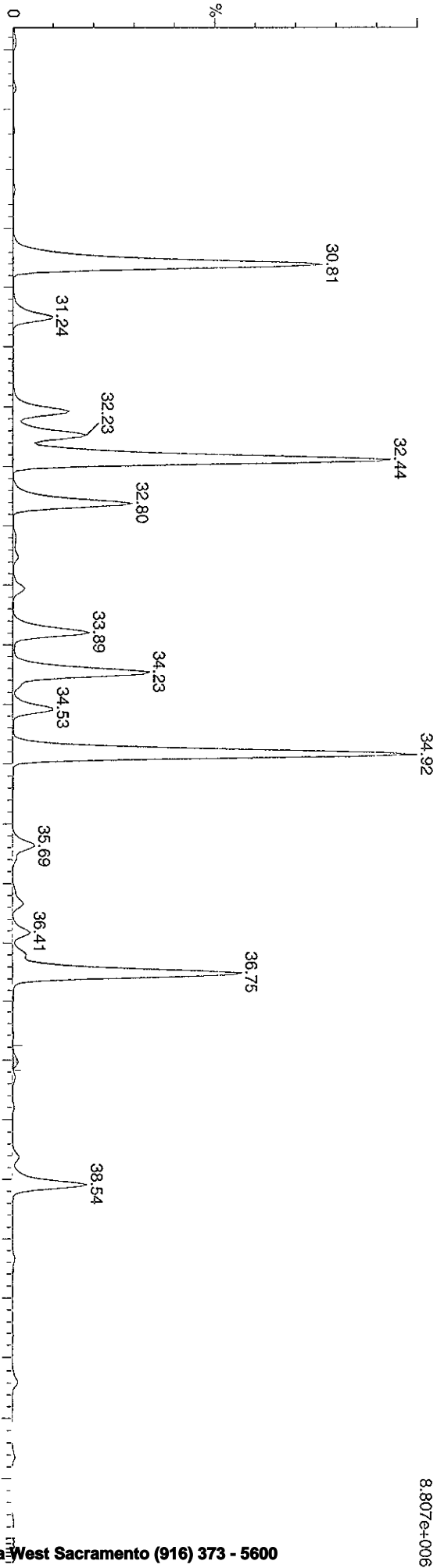
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Last Altered: Monday, October 19, 2009 08:09:41 Pacific Daylight Time  
Printed: Monday, October 19, 2009 08:10:03 Pacific Daylight Time

Sample Name: 090CC0910D5\_49

090CC0910D5\_49 Smooth(SG, 1x2)  
G91290159-4 LLM8T-1-AA

F3: Voltage SIR, EI+  
323.883  
8.807e+006



090CC0910D5\_49 Smooth(SG, 1x2)  
G91290159-4 LLM8T-1-AA

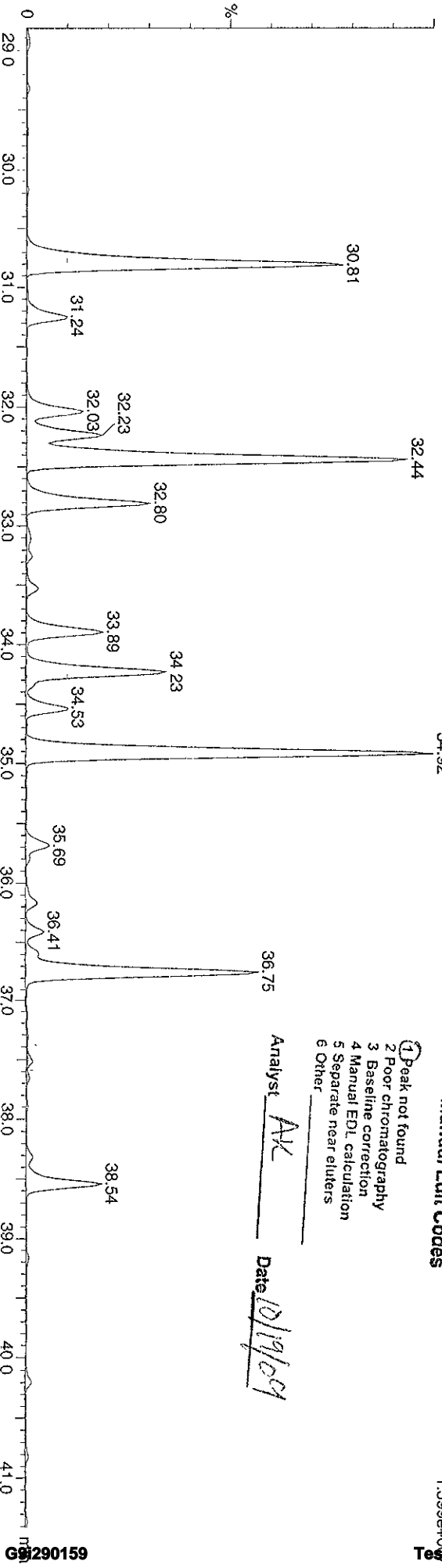
F3: Voltage SIR, EI+  
325.890  
1.399e+007

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst: AK

Date: 10/19/09



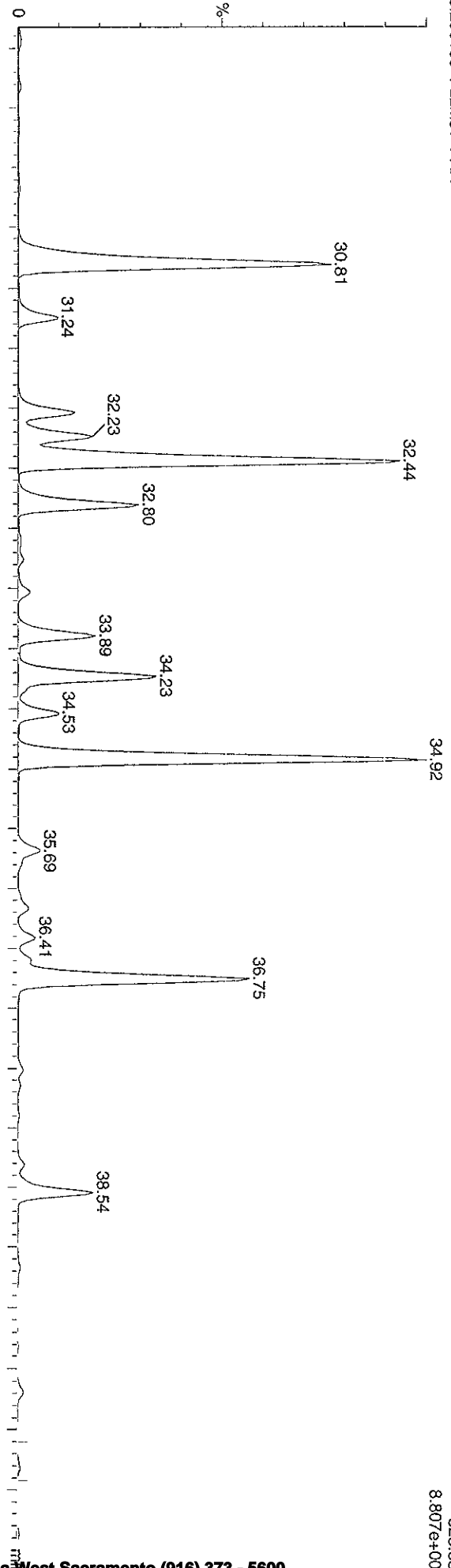
Dataset: X:\ATG\10D5\09OC0910D5\668MSLak.qld

Last Altered: Monday, October 19, 2009 08:09:41 Pacific Daylight Time  
Printed: Monday, October 19, 2009 08:10:03 Pacific Daylight Time

Sample Name: 09OC0910D5\_49

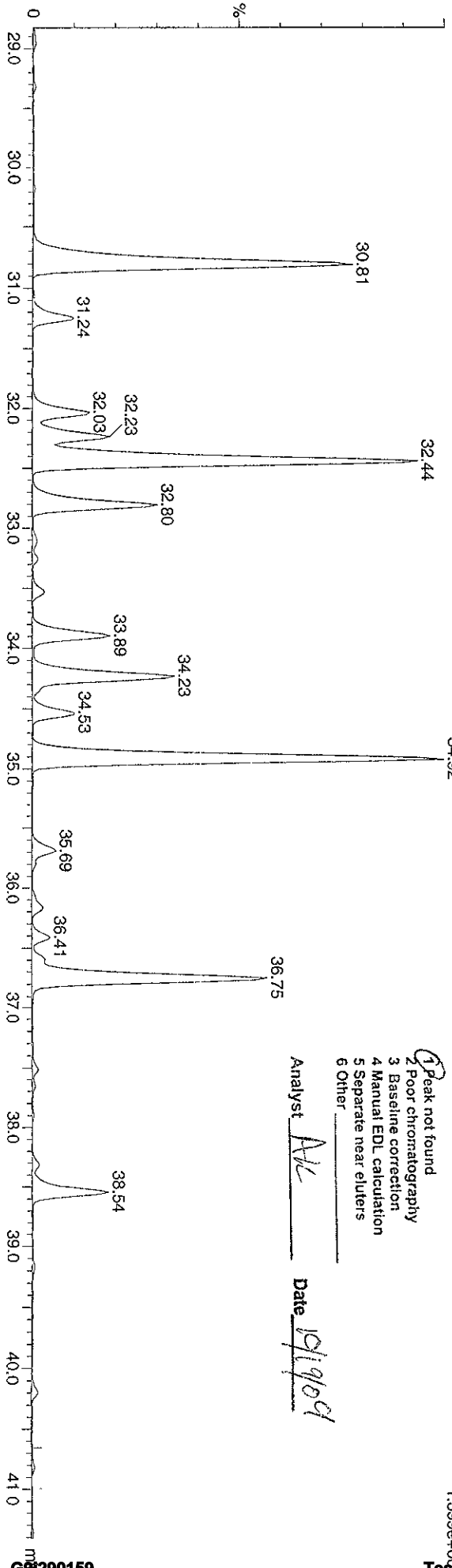
09OC0910D5\_49 Smooth(SG,1x2)  
G91290159-4 LLM8T-1-AA

F3:Voltage SIR, EI+  
323.883  
8.807e+006



09OC0910D5\_49 Smooth(SG,1x2)  
G91290159-4 LLM8T-1-AA

F3:Voltage SIR, EI+  
325.899  
1.399e+006



Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK Date 10/19/09

Dataset: X:\ATG\10D5\090CC0910D51668MSLak.qld

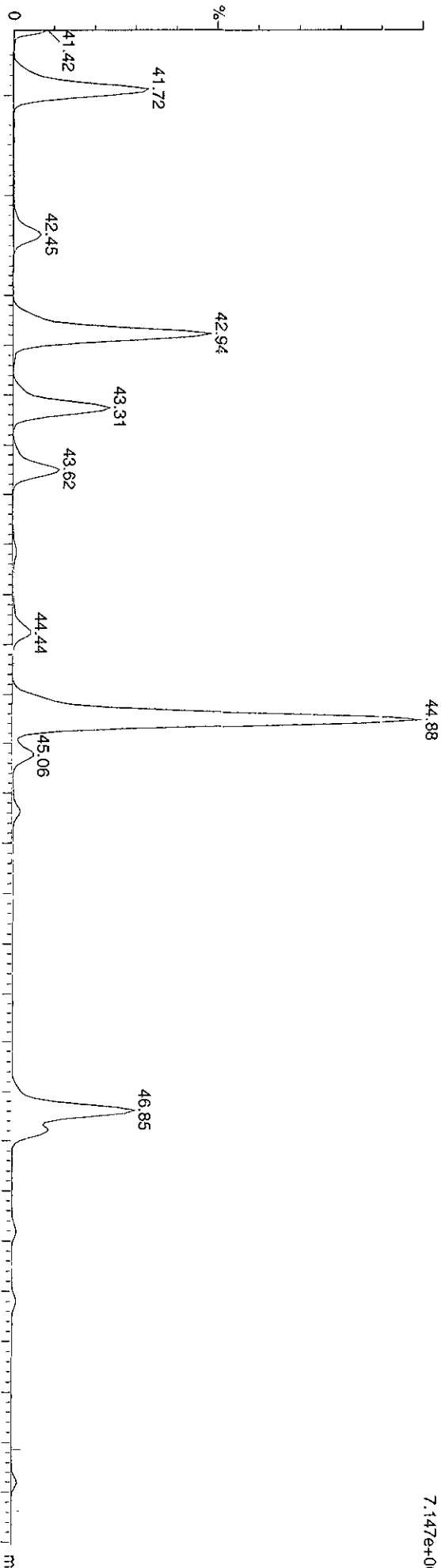
Last Altered: Monday, October 19, 2009 08:09:41 Pacific Daylight Time

Printed: Monday, October 19, 2009 08:10:03 Pacific Daylight Time

Sample Name: 090CC0910D5\_49

090CC0910D5\_49 Smooth(SG,1x2)  
G91290159-4 LLM8T-1-AA

F4:Voltage SIR\_EI+  
393.803  
7.147e+006



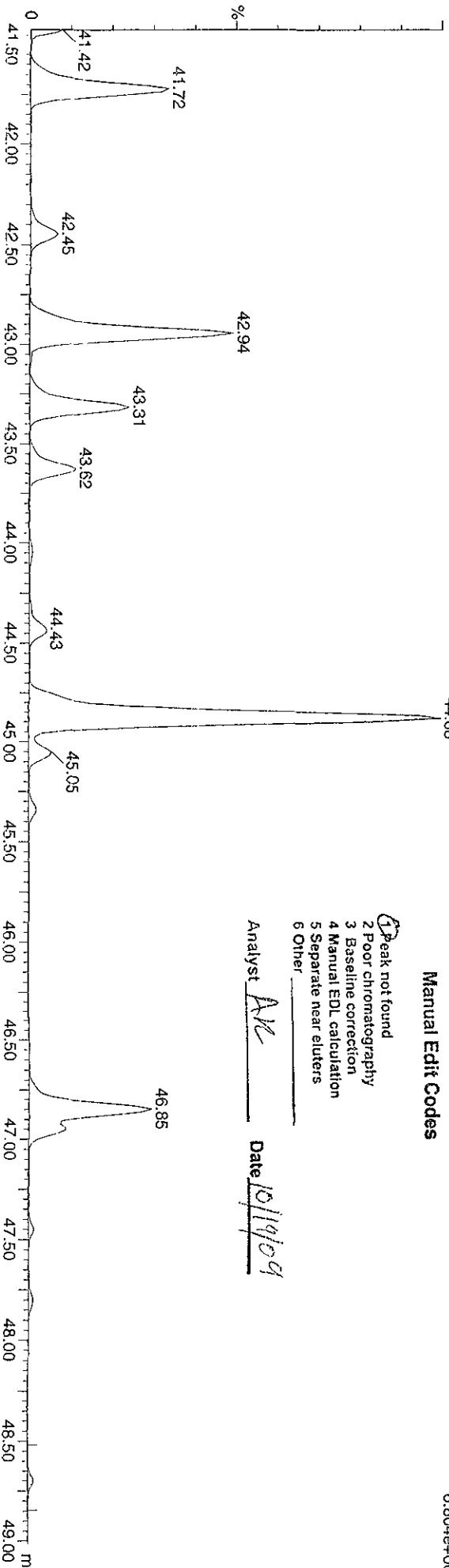
090CC0910D5\_49 Smooth(SG,1x2)  
G91290159-4 LLM8T-1-AA

F4:Voltage SIR\_EI+  
395.803  
6.804e+006

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK Date 10/19/09

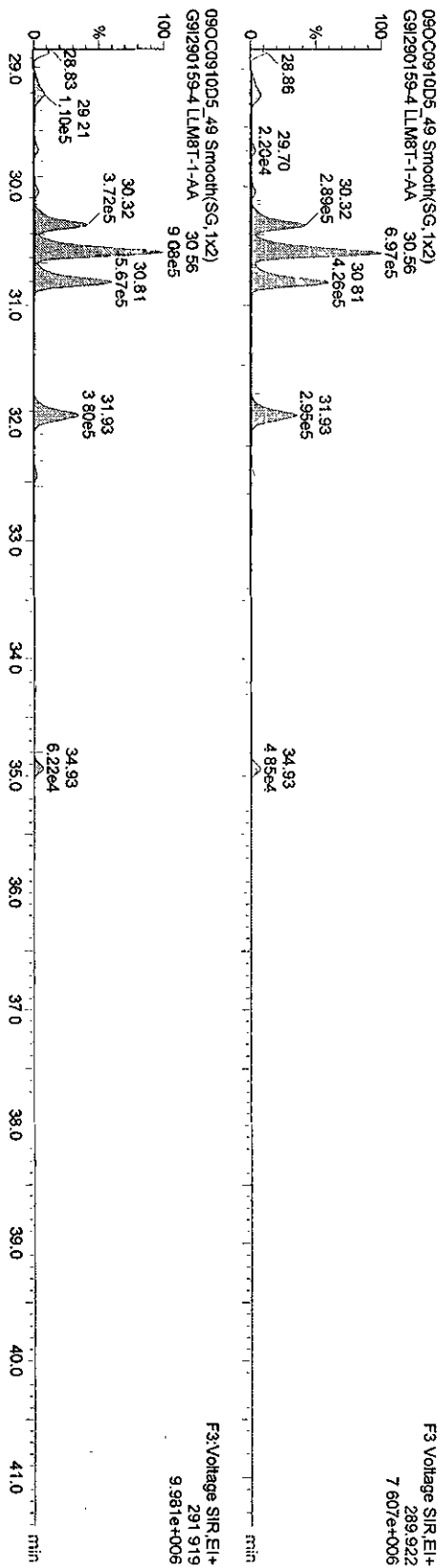


Dataset: C:\Masslynx\Default\proj\09OC0910D51668MSL.qld

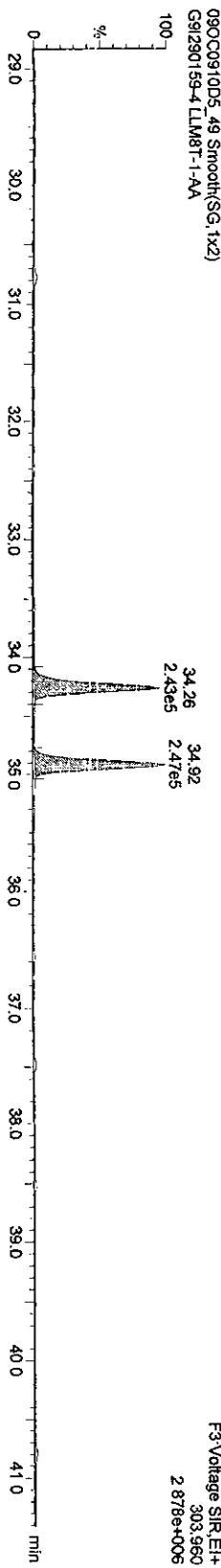
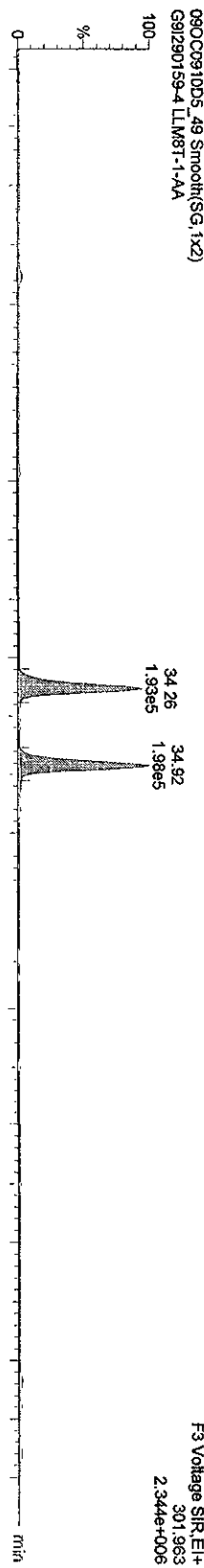
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 09OC0910D5\_49, Date: 11-Oct-2009, Time: 07:22:01, ID: LLM8T-1-AA, Description: G91290159-4

**TetraPCBs**



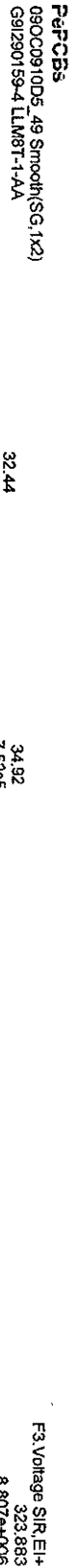
**13C-TetrastPCBs**



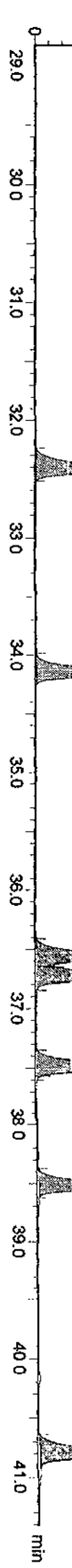
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Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_49, Date: 11-Oct-2009, Time: 07:22:01, ID: LLM8T-1-AA, Description: G91290159-4



*PCBs 177  
interference*

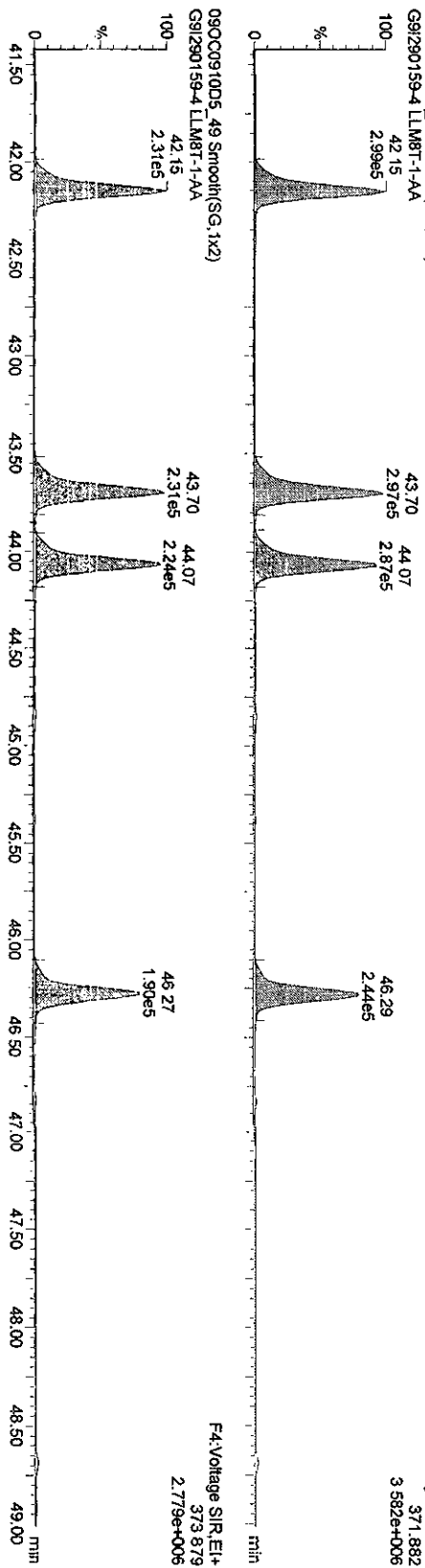
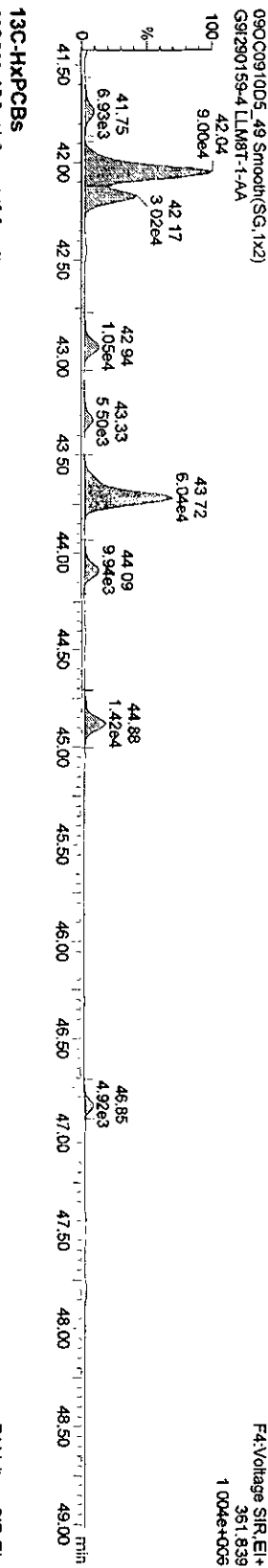
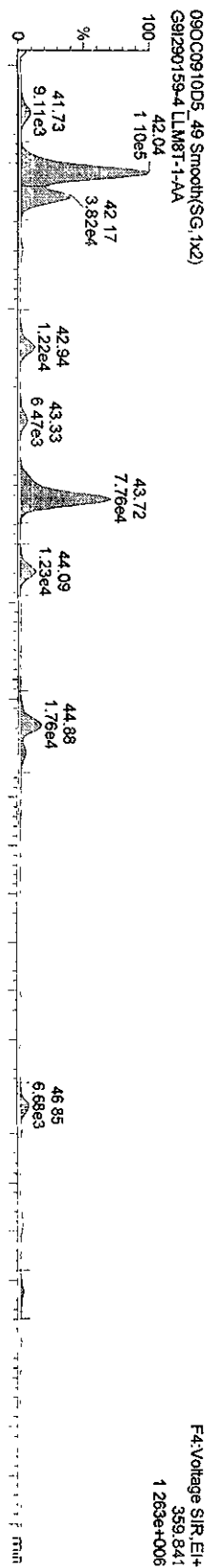


Dataset: C:\MassLynx\Default.pro\090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_49, Date: 11-Oct-2009, Time: 07:22:01, ID: LLM8T-1-AA, Description: G91290159-4

HXPCBS-



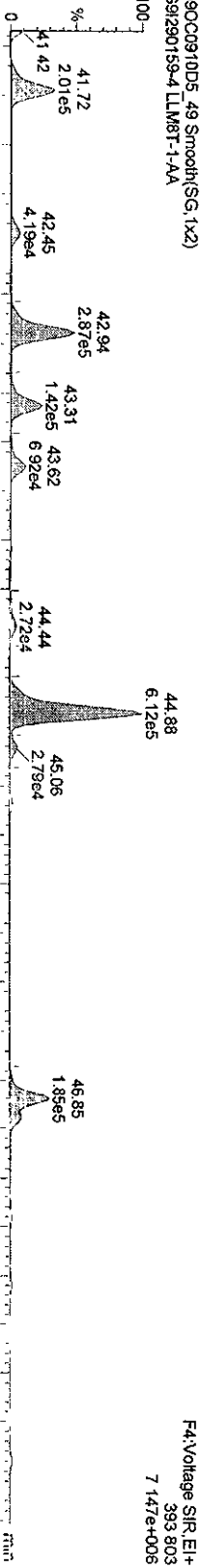
Dataset: C:\MassLynx\Default\pro\090C0910D51668MSL.qid

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

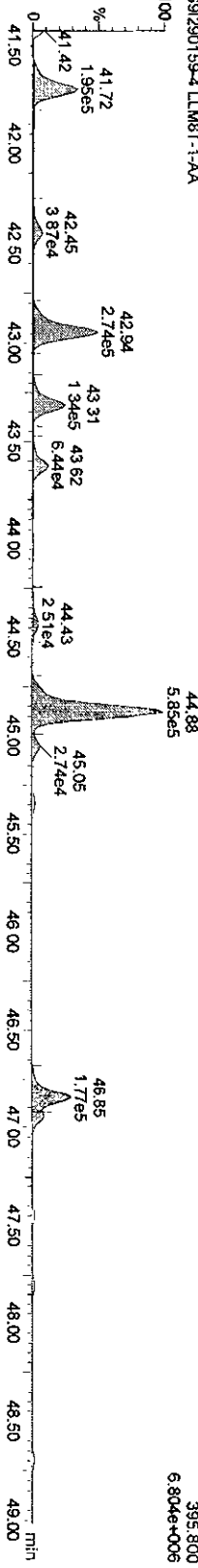
Name: 090C0910D5\_49, Date: 11-Oct-2009, Time: 07:22:01, ID: LLM8T-1-AA, Description: G91290159-4

**HPFCBs**

090C0910D5\_49 Smooth(SG, 1x2)  
G91290159-4 LLM8T-1-AA

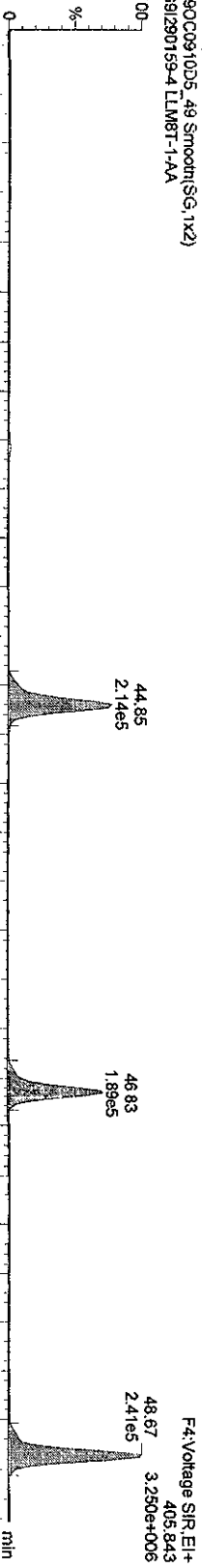


090C0910D5\_49 Smooth(SG, 1x2)  
G91290159-4 LLM8T-1-AA

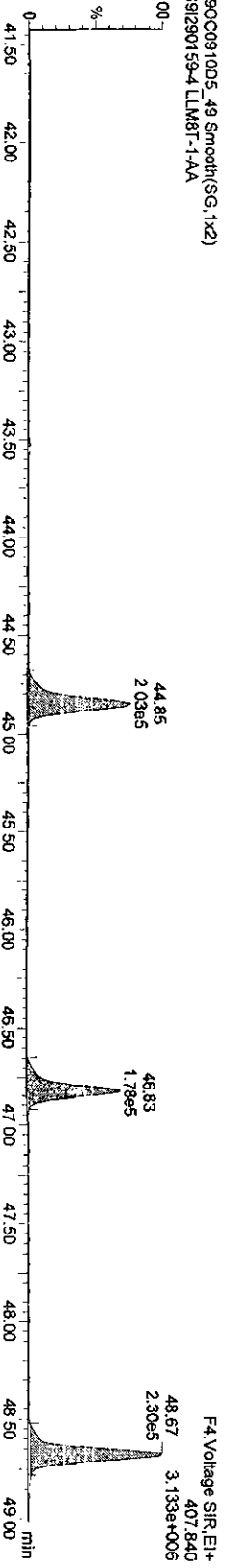


**13C-HPFCBs**

090C0910D5\_49 Smooth(SG, 1x2)  
G91290159-4 LLM8T-1-AA



090C0910D5\_49 Smooth(SG, 1x2)  
G91290159-4 LLM8T-1-AA

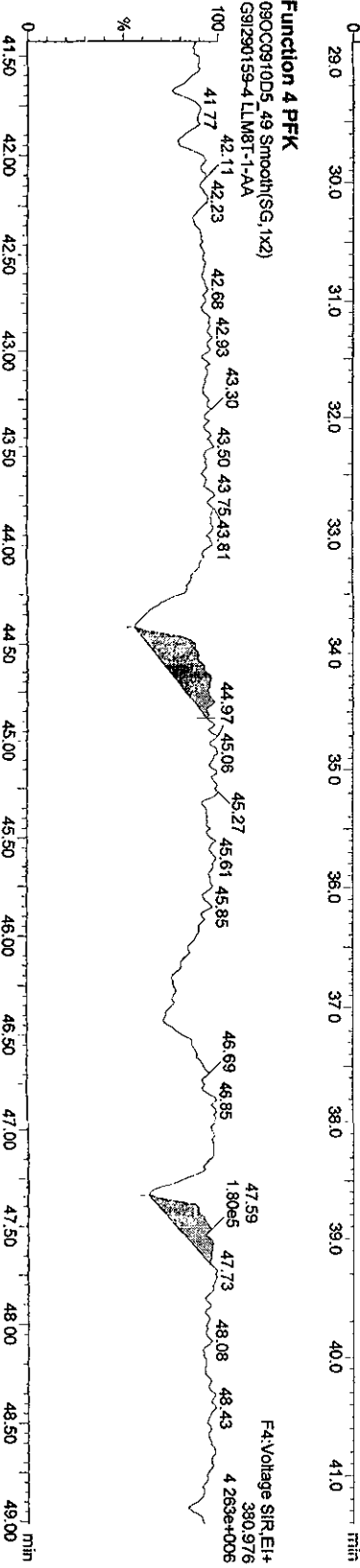
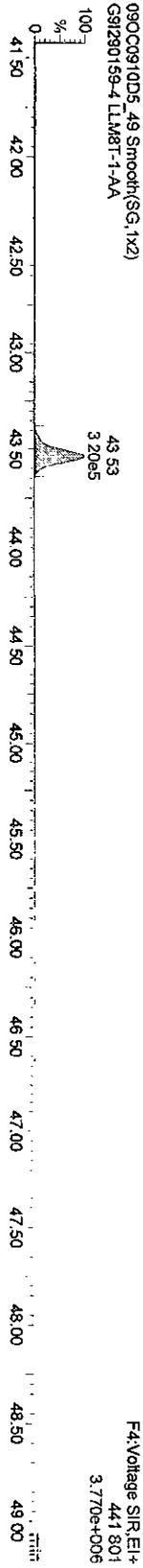
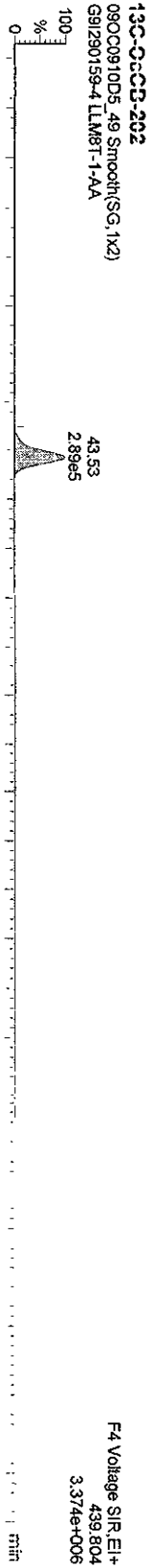


Dataset: C:\MassLynx\Default\pro\090C0910D51668M\SL.qtd

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time

Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_49, Date: 11-Oct-2009, Time: 07:22:01, ID: LLM8T-1-AA, Description: G91290159-4





Dataset: X:\ATG\10D5\09OCC0910D5\1668MSLak.qld

Last Altered: Monday, October 19, 2009 08:22:33 Pacific Daylight Time  
 Printed: Monday, October 19, 2009 08:37:36 Pacific Daylight Time

Name: 09OCC0910D5\_50, Date: 11-Oct-2009, Time: 08:18:22, ID: LLM8V-1-AA, Description: G91290159-5, Task:

*AK 10/19/09*

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio Fl...
1 13C-PeCB-101	335.924	0.500	31.96	32.31	1.000	950714.66	4000.0000	4000.0000	100.0	3.0566		0.64	NO
2													
3 13C-TeCB-81	301.963	0.500	33.86	33.87	1.040	721879.25	2920.8362	2920.8362	73.0	2.9991		0.80	NO
4 TeCB-81	289.922	0.500	33.86	33.86	1.458					1.5883			NO
5 13C-TeCB-77	301.963	0.500	34.55	34.56	1.104	795302.22	3030.0850	3030.0850	75.8	2.8241		0.80	NO
6 TeCB-77	289.922	0.500	34.58	34.55	1.271	795.87	3.1503	2.5455		1.7230		0.54	YES
7													
8 13C-PeCB-123	335.924	0.500	36.22	36.22	0.993	706225.16	2991.5766	2991.5766	74.8	3.0774		0.63	NO
9 PeCB-123	323.883	0.500	36.22	36.22	1.505					1.1852	19-Oct-09	0.00	YES
10 13C-PeCB-118	335.924	0.500	36.39	36.39	1.024	740993.00	3044.3416	3044.3416	76.1	2.9847		0.64	NO
11 PeCB-118/106	323.883	0.500	36.43	36.39	1.525	3535.16	12.5107	12.5107		1.1203	19-Oct-09	0.65	NO
12 13C-PeCB-114	335.924	0.500	37.18	37.16	1.037	729418.94	2959.6888	2959.6888	74.0	2.9478		0.64	NO
13 PeCB-114	323.883	0.500	37.18	37.18	1.586					1.1135			NO
14 13C PeCB-105	335.924	0.500	38.25	38.23	0.982	757223.78	3245.9355	3245.9355	81.1	3.1142		0.63	NO
15 PeCB-105/127	323.883	0.500	38.25	38.25	1.433	1498.47	5.5228	5.5228		1.1767		0.64	NO
16 13C-PeCB-126	335.924	0.500	40.55	40.53	1.030	868421.19	3547.3840	3547.3840	88.7	2.9676		0.63	NO
17 PeCB-126	323.883	0.500	40.55	40.55	1.156					1.2830			NO
18													
19 13C-OcCB-202	439.804	0.500	43.36	43.73	1.000	1081787.63	4000.0000	4000.0000	100.0	1.9022		0.90	NO
20													
21 13C-HxCB-167	371.882	0.500	41.92	41.55	1.002	910166.22	3357.1357	3357.1357	83.9	3.0199		1.29	NO
22 HxCB-167	359.841	0.500	41.86	41.92	1.348	219.85	0.7168	0.4684		1.8050		0.57	YES
23 13C-HxCB-156	371.882	0.500	43.50	43.13	0.785	881199.66	4150.1616	4150.1616	103.8	3.8560		1.30	NO
24 HxCB-156	359.841	0.500	43.51	43.50	1.688	446.24	1.1997	0.9935		1.4301		0.85	YES
25 13C-HxCB-157	371.882	0.500	43.89	43.87	0.835	870056.34	3851.5999	3851.5999	96.3	3.6244		1.29	NO
26 HxCB-157	359.841	0.500	44.26	43.89	1.660	488.43	1.3530	1.3530		1.4913		1.41	NO
27 13C-HxCB-169	371.882	0.500	46.08	46.10	0.871	947491.31	4021.0236	4021.0236	100.5	3.4746		1.30	NO
28 HxCB-169	359.841	0.500	46.08	46.08	1.098					2.0119			NO
29													
30 13C-HpCB-180	405.843	0.500	44.66	44.64	0.684	708849.13	3831.7602	3831.7602	95.8	2.6682		1.06	NO
31 HpCB-180	393.803	0.500	44.69	44.66	1.300	1566.60	6.7983	6.7983		2.4658		1.00	NO
32 13C-HpCB-170	405.843	0.500	46.66	46.66	0.548	521361.41	3519.5628	3519.5628	88.0	3.3321		1.07	NO
33 HpCB-170	393.803	0.500	46.66	46.66	1.615					2.6816			NO
34 13C-HpCB-189	405.843	0.500	48.53	48.48	0.698	859343.38	4554.4403	4554.4403	113.9	2.6160		1.04	NO
35 HpCB-189	393.803	0.500	48.53	48.53	1.231					1.8855			NO

Dataset: X:\ATG\10D5\090C0910D5\1668MSLak.qld

Last Altered: Monday, October 19, 2009 08:22:33 Pacific Daylight Time  
 Printed: Monday, October 19, 2009 08:37:36 Pacific Daylight Time

Name: 090C0910D5\_50, Date: 11-Oct-2009, Time: 08:18:22, ID: LLM8V-1-AA, Description: G91290159-5, Task:

#	Name	Trace	Sample Size	RT	Prd. RT	RRF	M...	Abs. Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio F...
36															
37	13C-PeCB-111		335.924	0.500	33.74	34.06	1.305	739819.56	2978.4968		74.5	3.3598		0.63	NO
38															
39	Function 3 PFK		380.976	1.000											
40	Function 4 PFK		380.976	1.000											

Quantity Sample Summary Report Masslynx 4.1

Dataset: C:\MassLynx\Default\pro109OC0910D51668MSL.qld

11

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

9

Name: 09OC0910D5\_50, Date: 11-Oct-2009, Time: 08:18:22, ID: LLM8V-1-AA, Description: G91290159-5, Task:

# Name	Trace	Sample Size	RT	Ptd RT	RRF	M	Abs Resd	pg	EMPC	%Rec	EDL	Ratio	Ptd Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	0.500	31.96	32.31	1.000		950714.66	4000.0000	4000.0000	100.0	3.0566	0.636	0.610	NO	
2															
3 13C-TeCB-81	301.963	0.500	33.86	33.87	1.040		721879.25	2920.8362	2920.8362	73.0	2.9991	0.796	0.770	NO	
4 TeCB-81	289.922	0.500	33.86	33.86	1.458						1.5883		0.770	NO	
5 13C-TeCB-77	301.963	0.500	34.55	34.56	1.104		795302.22	3030.0850	3030.0850	75.8	2.8241	0.800	0.770	NO	
6 TeCB-77	289.922	0.500	34.58	34.55	1.271		795.87	3.1503	2.5455		1.7230	0.542	0.770	YES	
7															
8 13C-PeCB-123	335.924	0.500	36.22	36.22	0.993		706225.16	2991.5766	2991.5766	74.8	3.0774	0.628	0.610	NO	
9 PeCB-123	323.883	0.500	36.43	36.22	1.505		3573.03	13.4433	13.4433		1.1852	0.667	0.610	NO	
10 13C-PeCB-118	335.924	0.500	36.39	36.39	1.024		740993.00	3044.3416	3044.3416	76.1	2.9847	0.638	0.610	NO	
11 PeCB-118/106	323.883	0.500	36.39	36.39	1.525						1.1203		0.610	NO	
12 13C-PeCB-114	335.924	0.500	37.18	37.16	1.037		729418.94	2959.6888	2959.6888	74.0	2.9478	0.636	0.610	NO	
13 PeCB-114	323.883	0.500	37.18	37.18	1.586						1.1135		0.610	NO	
14 13C-PeCB-105	335.924	0.500	38.25	38.23	0.982		757223.78	3245.9355	3245.9355	81.1	3.1142	0.630	0.610	NO	
15 PeCB-105/127	323.883	0.500	38.25	38.25	1.433		1498.47	5.5228	5.5228		1.1767	0.644	0.610	NO	
16 13C-PeCB-126	335.924	0.500	40.55	40.53	1.030		868421.19	3547.3840	3547.3840	88.7	2.9676	0.630	0.610	NO	
17 PeCB-126	323.883	0.500	40.55	40.55	1.156						1.2830		0.610	NO	
18															
19 13C-OcCB-202	439.804	0.500	43.36	43.73	1.000		1081787.63	4000.0000	4000.0000	100.0	1.9022	0.904	0.890	NO	
20															
21 13C-HxCB-167	371.882	0.500	41.92	41.55	1.002		910166.22	3357.1357	3357.1357	83.9	3.0199	1.293	1.240	NO	
22 HxCB-167	359.841	0.500	41.86	41.92	1.348		219.85	0.7168	0.4684		1.8050	0.567	1.240	YES	
23 13C-HxCB-156	371.882	0.500	43.50	43.13	0.785		881199.66	4150.1616	4150.1616	103.8	3.8560	1.298	1.240	NO	
24 HxCB-156	359.841	0.500	43.51	43.50	1.688		446.24	1.1997	0.9935		1.4301	0.846	1.240	YES	
25 13C-HxCB-157	371.882	0.500	43.89	43.87	0.835		870056.34	3851.5999	3851.5999	96.3	3.6244	1.286	1.240	NO	
26 HxCB-157	359.841	0.500	44.26	43.89	1.660		488.43	1.3530	1.3530		1.4913	1.414	1.240	NO	
27 13C-HxCB-169	371.882	0.500	46.09	46.10	0.871		947491.31	4021.0236	4021.0236	100.5	3.4746	1.296	1.240	NO	
28 HxCB-169	359.841	0.500	46.09	46.09	1.098						2.0119		1.240	NO	
29															
30 13C-HpCB-180	405.843	0.500	44.66	44.64	0.684		708849.13	3831.7602	3831.7602	95.8	2.6682	1.058	1.050	NO	
31 HpCB-180	393.803	0.500	44.69	44.66	1.300		1566.60	6.7983	6.7983		2.4658	1.005	1.050	NO	
32 13C-HpCB-170	405.843	0.500	46.66	46.66	0.548		521361.41	3519.5628	3519.5628	88.0	3.3321	1.066	1.050	NO	
33 HpCB-170	393.803	0.500	46.66	46.66	1.615						2.6816		1.050	NO	
34 13C-HpCB-189	405.843	0.500	48.53	48.48	0.698		859343.38	4554.4403	4554.4403	113.9	2.6160	1.043	1.050	NO	
35 HpCB-189	393.803	0.500	48.53	48.53	1.231						1.8855		1.050	NO	

Dataset: C:\MassLynx\Default.pro\090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time

Printed: Monday, October 12, 2009 17:28:15 Pacific Daylight Time

Name: 090C0910D5\_50, Date: 11-Oct-2009, Time: 08:18:22, ID: LLM8V-1-AA, Description: G9I290159-5, Task:

# Name	Trace	Sample Size	RT	Ptd RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDI	Ratio	Ptd Ratio	Ratio	Mod Date
36															
37	13C-PeCB-111	335.924	0.500	33.74	34.06	1.305	738819.56	2978.4968		74.5	3.3598	0.632	0.610		NO
38															
39	Function 3 PFK	380.976	1.000												
40	Function 4 PFK	380.976	1.000												

Dataset: X:\ATG\10D5\09OCC0910D51668MSLak.qld

Last Altered: Monday, October 19, 2009 08:22:33 Pacific Daylight Time  
Printed: Monday, October 19, 2009 08:23:36 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 05 Oct 2009 10:40:41  
Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Sample Name: 09OCC0910D5\_50

09OCC0910D5\_50 Smooth(SG,1x2)  
G91290159-5.LLM8V-1-AA

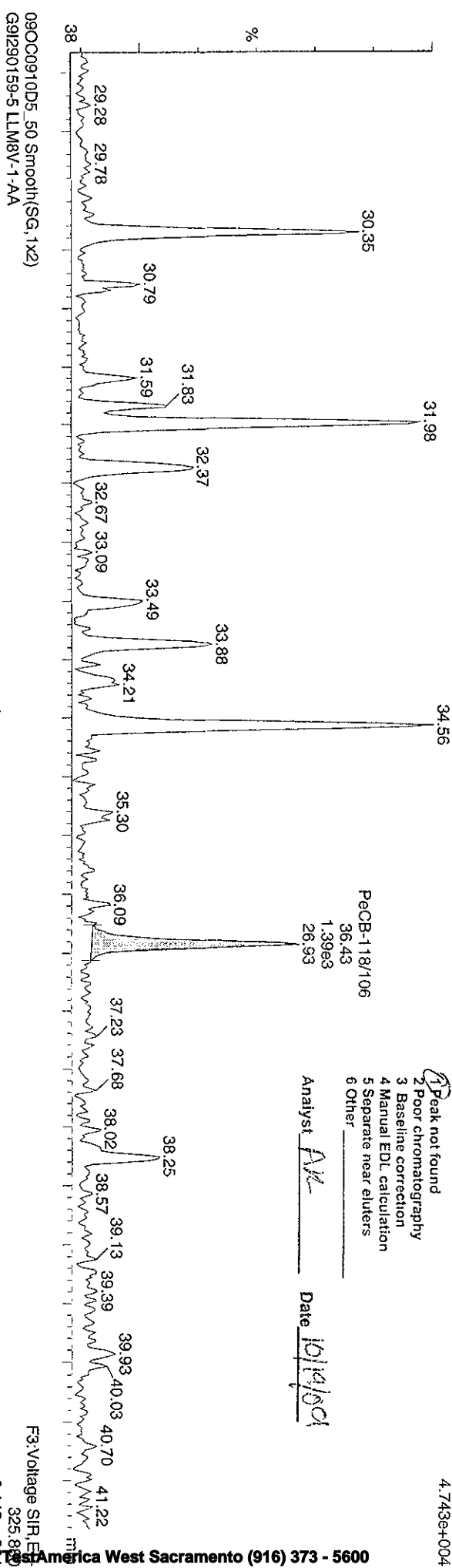
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

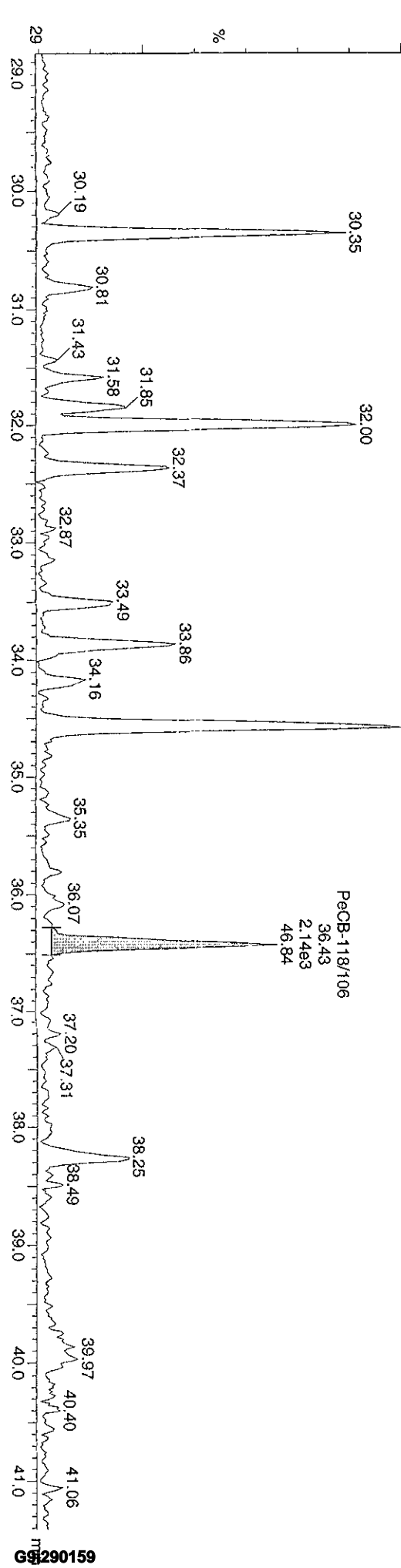
Analyst AW Date 10/19/09

F3:Voltage SIR.EI+  
323.883

4.743e+004



6.142e+004

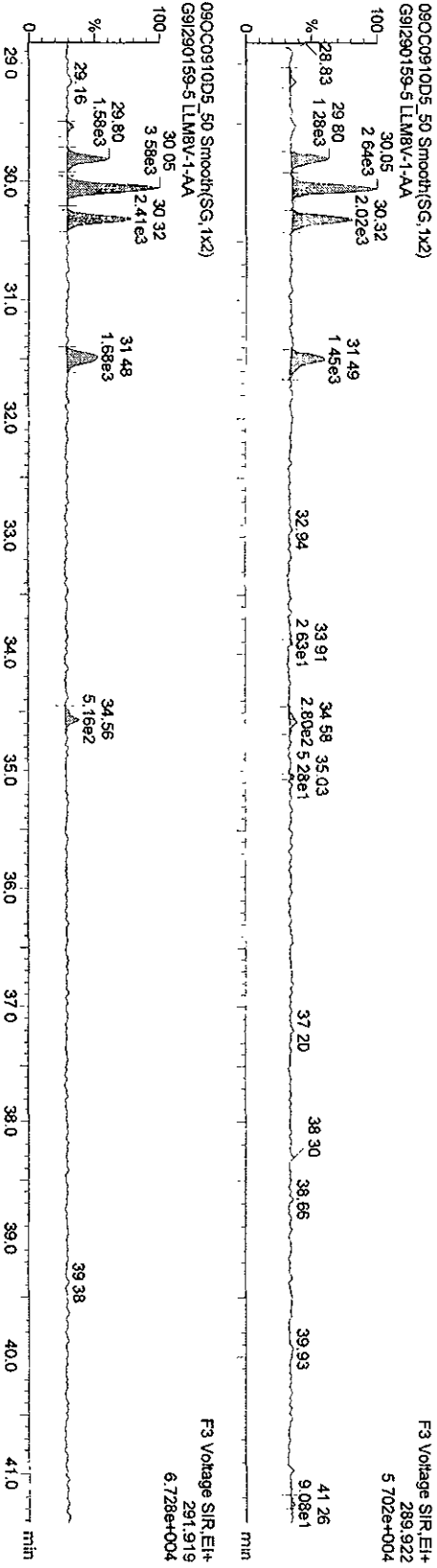


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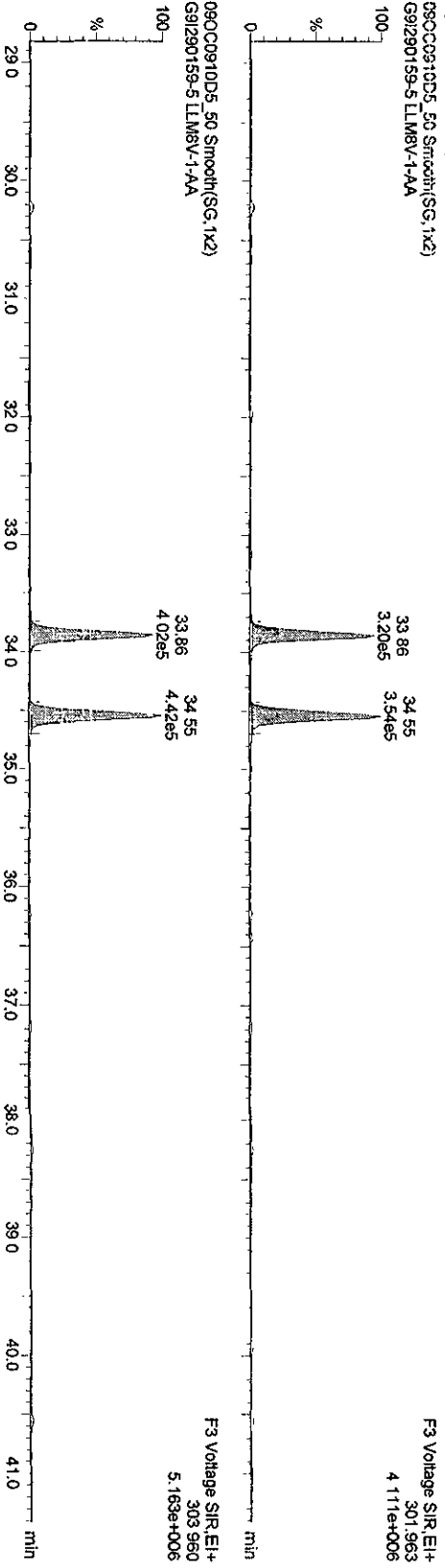
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_50, Date: 11-Oct-2009, Time: 08:18:22, ID: LLM8V-1-AA, Description: G91290159-5

TetraPCBs



13C-TetrasPCBs

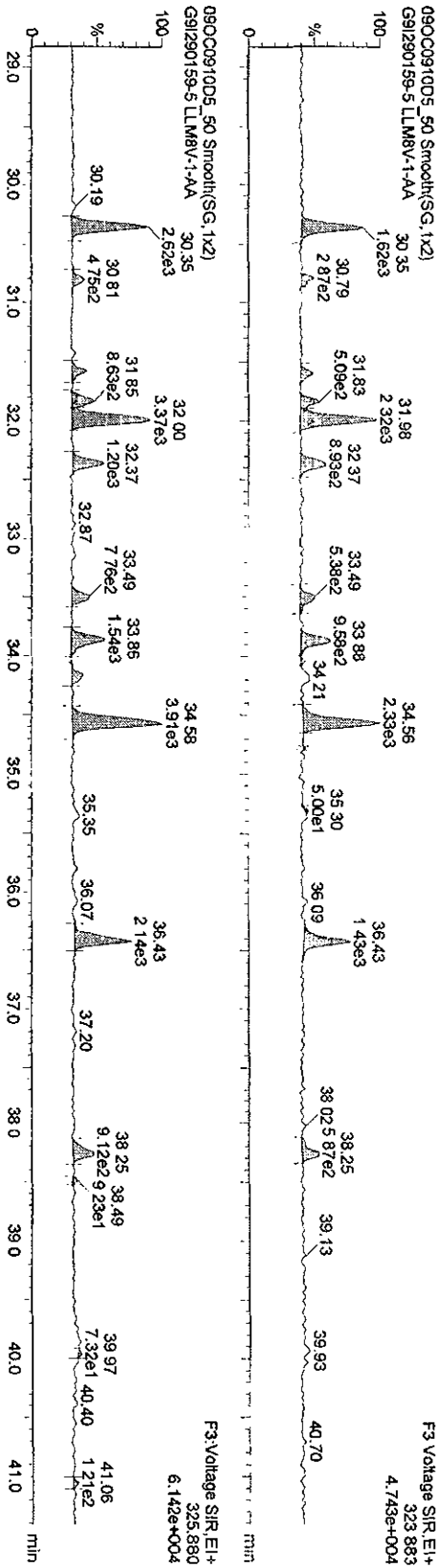


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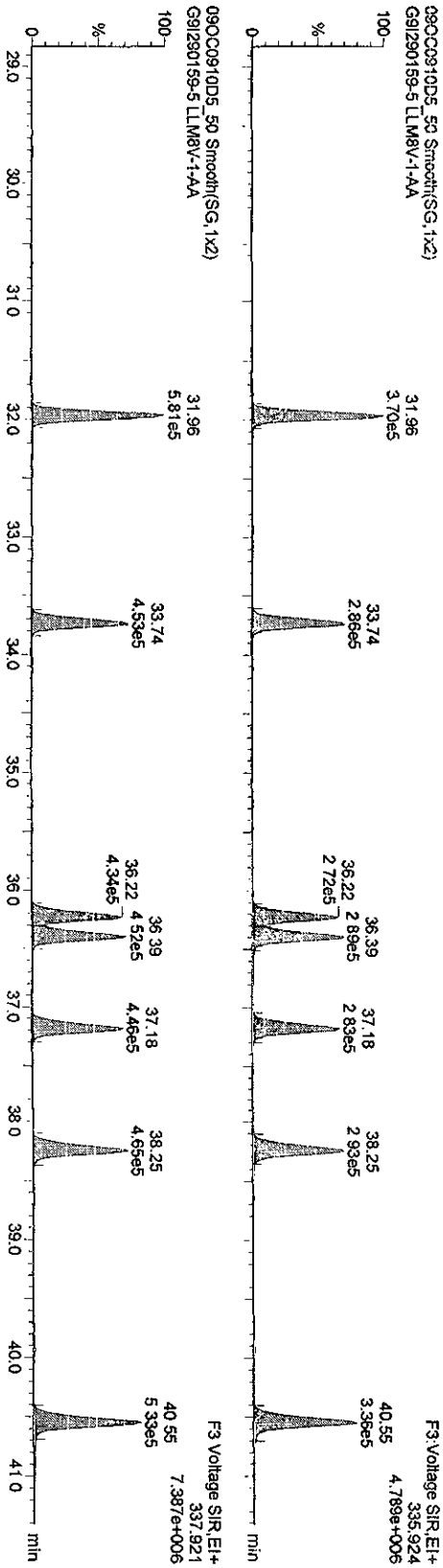
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_50, Date: 11-Oct-2009, Time: 08:18:22, ID: LLM8V-1-AA, Description: G91290159-5

**p,p'-PCBs**



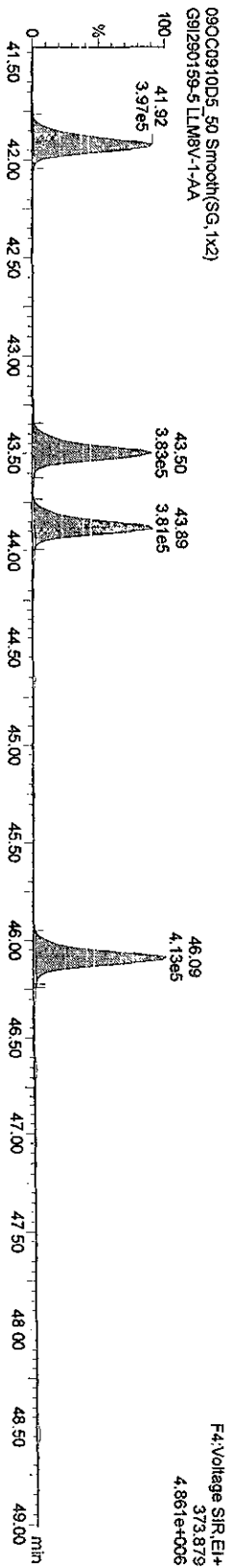
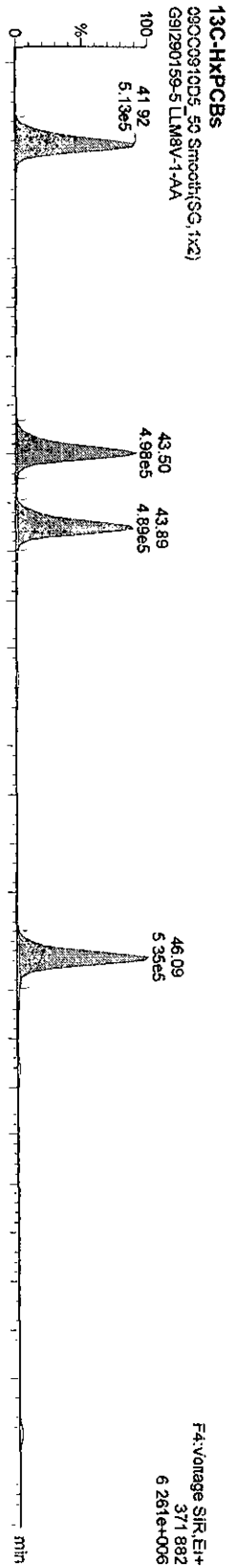
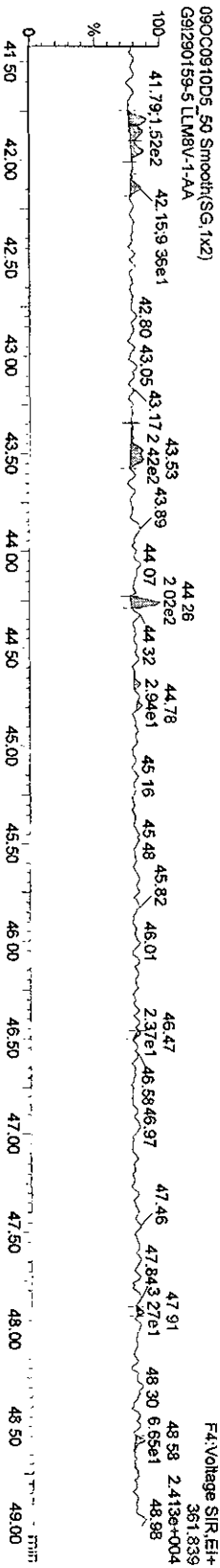
**13C-PCBs**



Dataset: C:\MassLynx\Default\proj\090C0910D51668MSL.qid

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_50, Date: 11-Oct-2009, Time: 08:18:22, ID: LLM8V-1-AA, Description: G91290159-5



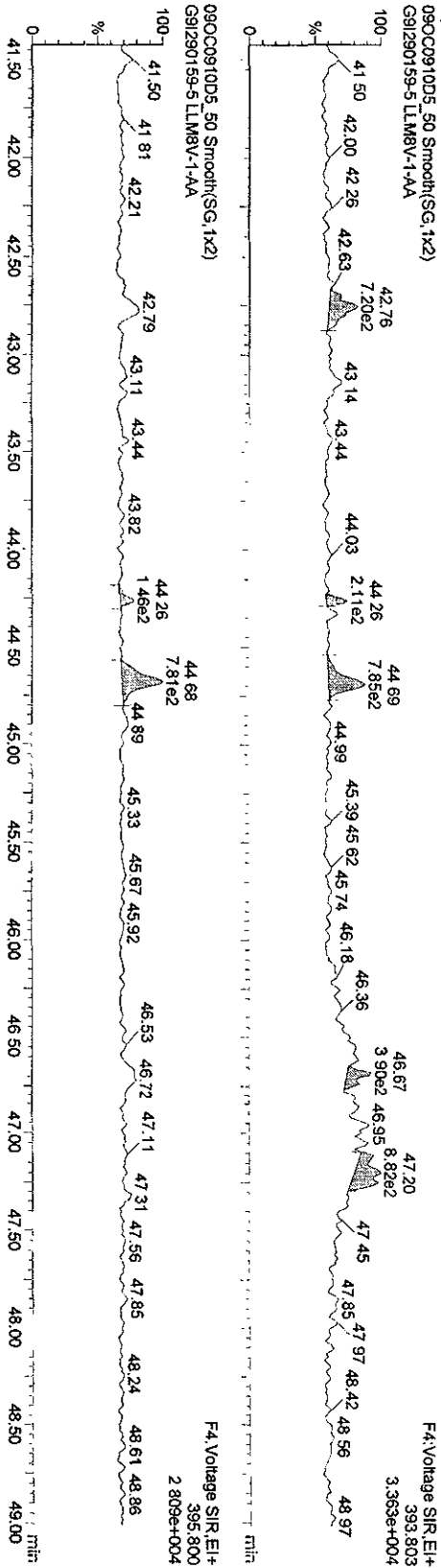


Dataset: C:\MassLynx\Default\pro\090C0910D51668MSL.d

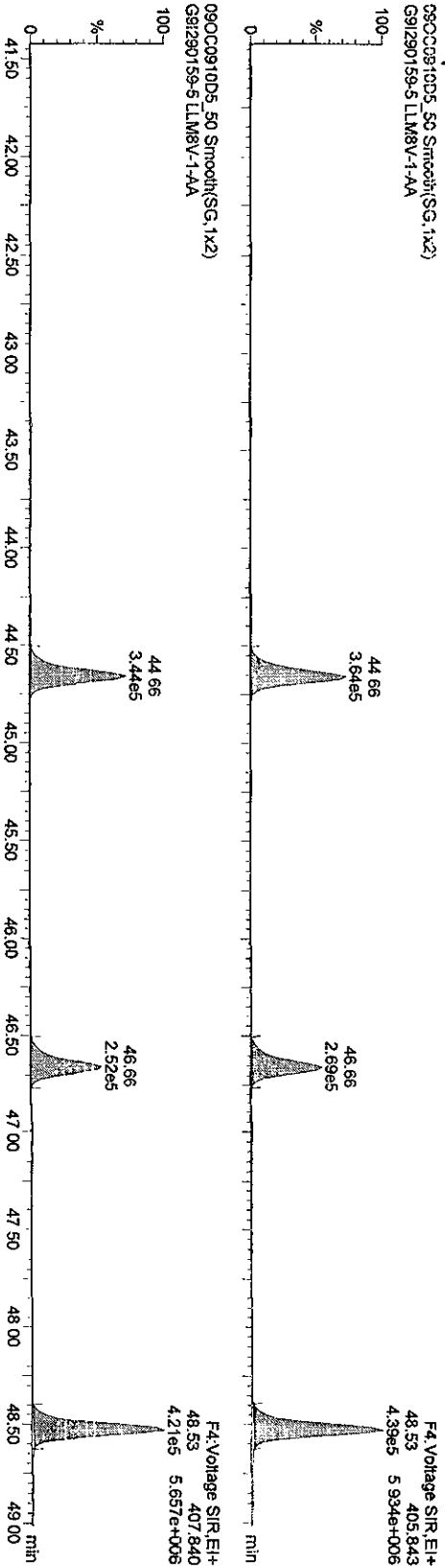
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_50, Date: 11-Oct-2009, Time: 08:18:22, ID: LLM8V-1-AA, Description: G91290159-5

HPCCBs



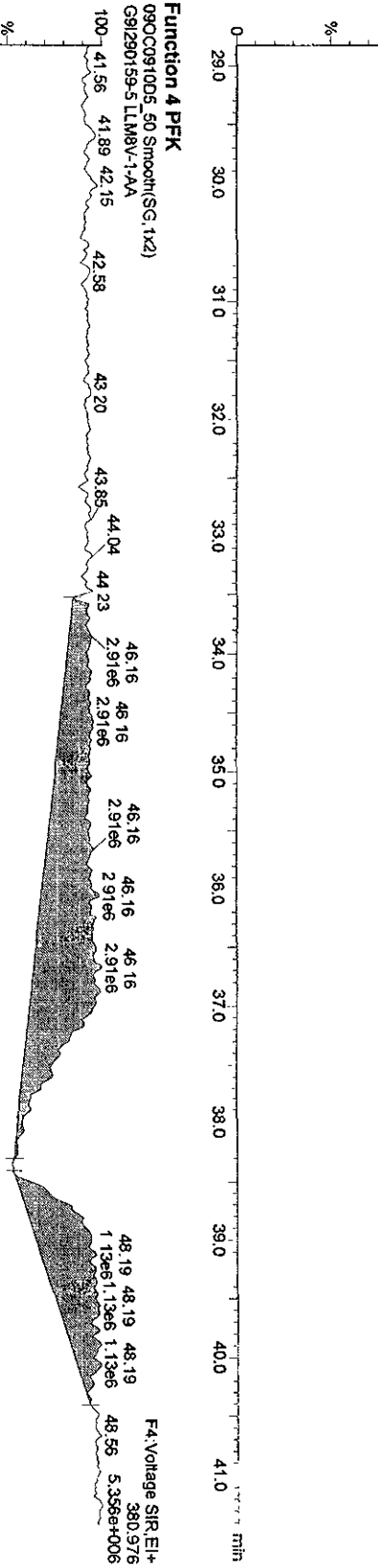
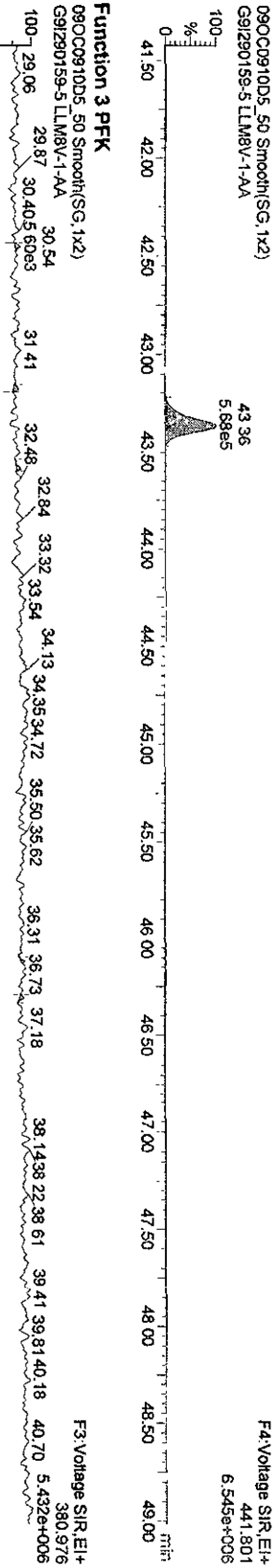
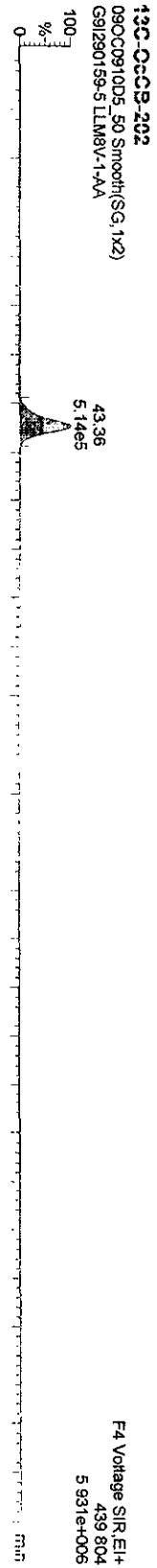
13C-HPCCBs



Dataset: C:\MassLynx\Default\proj\090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_50, Date: 11-Oct-2009, Time: 08:18:22, ID: LLM8V-1-AA, Description: G91290159-5



Daily Calibration Checklist  
 Methods 1668 and 1614

Method ID 1668M  
 Column ID DB-5  
 STD ID ST1009C  
 Analyzed by SMA  
 Std. Pkg. By SMA  
 Std. Pkg. Reviewed By KSS

Associated ICAL ICA0716200910DS1668MSL  
 Instrument ID 10DS  
 STD Solution 09DXN207  
 Date Analyzed 10-09-09 / 10-10-09  
 Date Std. Pkg. Assembled 10-12-09  
 Date Std. Pkg. Reviewed 10/13/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS:

- \* Method 1668A(PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.  
 Method 1614 (DBDs/DBFs): ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).
- \*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
 Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Dataset: C:\MassLynx\Default.pro\09OC0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time

Printed: Monday, October 12, 2009 17:27:25 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 05 Oct 2009 10:40:41

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

Name: 09OC0910D5\_40, Date: 10-Oct-2009, Time: 22:54:51, ID: ST1009C, Description: CS-3 09DXN207

#	Name	Response	RT	RRF M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D
1	13C-PeCB-101	908796	31.93	1.00000	1.00000	100.00	-0.0	100.0	0.636	NO	
2											
3	13C-TeCB-81	1087941	33.83	1.03984	1.19712	115.13	15.1	115.1	0.799	NO	
4	TeCB-81	878080	33.84	1.45839	1.61420	55.34	10.7	110.7	0.778	NO	
5	13C-TeCB-77	1135533	34.51	1.10430	1.24949	113.15	13.1	113.1	0.810	NO	
6	TeCB-77	799023	34.53	1.27061	1.40731	55.38	10.8	110.8	0.785	NO	
7											
8	13C-PeCB-123	926966	36.19	0.99324	1.01999	102.69	2.7	102.7	0.626	NO	
9	PeCB-123	750330	36.21	1.50539	1.61890	53.77	7.5	107.5	0.626	NO	
10	13C-PeCB-118	952809	36.36	1.02407	1.04843	102.38	2.4	102.4	0.629	NO	
11	PeCB-118/106	784705	36.38	1.52536	1.64714	53.99	8.0	108.0	0.624	NO	
12	13C-PeCB-114	984301	37.15	1.03691	1.08308	104.45	4.5	104.5	0.642	NO	
13	PeCB-114	836493	37.17	1.58603	1.69967	53.58	7.2	107.2	0.621	NO	
14	13C-PeCB-105	925550	38.22	0.98151	1.01844	103.76	3.8	103.8	0.629	NO	
15	PeCB-105/127	706849	38.24	1.43326	1.52741	53.28	6.6	106.6	0.620	NO	
16	13C-PeCB-126	993382	40.52	1.02999	1.09308	106.13	6.1	106.1	0.654	NO	
17	PeCB-126	611756	40.54	1.15582	1.23166	53.28	6.6	106.6	0.632	NO	
18											
19	13C-OcCB-202	937702	43.33	1.00000	1.00000	100.00	0.0	100.0	0.897	NO	
20											
21	13C-HxCB-167	1153898	41.89	1.00247	1.23056	122.75	22.8	122.8	1.291	NO	
22	HxCB-167	822280	41.90	1.34796	1.42522	52.87	5.7	105.7	1.255	NO	
23	13C-HxCB-156	935264	43.45	0.78510	0.99740	127.04	27.0	127.0	1.310	NO	
24	HxCB-156	847347	43.48	1.68840	1.81199	53.66	7.3	107.3	1.249	NO	
25	13C-HxCB-157	993959	43.84	0.83526	1.05999	126.91	26.9	126.9	1.280	NO	
26	HxCB-157	867580	43.87	1.65965	1.74571	52.59	5.2	105.2	1.260	NO	
27	13C-HxCB-169	1095488	46.06	0.87128	1.16827	134.09	34.1	134.1	1.301	NO	
28	HxCB-169	631600	46.07	1.09832	1.15309	52.49	5.0	105.0	1.260	NO	
29											
30	13C-HpCB-180	753137	44.63	0.68403	0.80317	117.42	17.4	117.4	1.060	NO	
31	HpCB-180	495273	44.65	1.30035	1.31523	50.57	1.1	101.1	1.021	NO	
32	13C-HpCB-170	626489	46.63	0.54773	0.66811	121.98	22.0	122.0	1.074	NO	
33	HpCB-170	517406	46.66	1.61501	1.65176	51.14	2.3	102.3	1.053	NO	
34	13C-HpCB-189	831514	48.50	0.69767	0.88676	127.10	27.1	127.1	1.051	NO	
35	HpCB-189	519911	48.52	1.23073	1.25052	50.80	1.6	101.6	1.043	NO	
36											
37	13C-PeCB-111	1251492	33.69	1.30475	1.30827	100.27	0.3	100.3	0.628	NO	
38											
39	Function 3 PFK										
40	Function 4 PFK										

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\09OC0910D5.SPL  
 Last Modified: Monday, October 12, 2009 08:26:47 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 08:26:51 Pacific Daylight Time

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1	09OC0910D5_1	CS-3 09DXN207	ST1009	---	1.000000	---	1
2	09OC0910D5_2	Solvent Blank C-12	SB1009	---	1.000000	---	1
3	09OC0910D5_3	G9J070161-2	LL4T7-1-AC	1668/Waste	0.103000	g	20
4	09OC0910D5_4	G9J070161-3	LL4T9-1-AC	1668/Waste	0.100000	g	20
5	09OC0910D5_5	G9J070161-4	LL4VC-1-AC	1668/Waste	0.107000	g	20
6	09OC0910D5_6	G9J070161-5	LL4VD-1-AC	1668/Waste	0.109000	g	20
7	09OC0910D5_7	G9J070161-6	LL4VE-1-AC	1668/Waste	0.101000	g	20
8	09OC0910D5_8	G9J070163-1	LL4V9-1-AC	1668/Waste	0.101000	g	20
9	09OC0910D5_9	G9J070163-2	LL4WC-1-AC	1668/Waste	0.106000	g	20
10	09OC0910D5_10	G9J070163-3	LL4WD-1-AC	1668/Waste	0.103000	g	20
11	09OC0910D5_11	G9J070163-4	LL4WE-1-AC	1668/Waste	0.111000	g	20
12	09OC0910D5_12	G9J070163-5	LL4WH-1-AC	1668/Waste	0.101000	g	20
13	09OC0910D5_13	Solvent Blank C-12	SB1009A	---	1.000000	---	1
14	09OC0910D5_14	CS-3 09DXN207	ST1009A	---	1.000000	---	1
15	09OC0910D5_15	Solvent Blank C-12	SB1009B	---	1.000000	---	1
16	09OC0910D5_16	G9I170346-1MB	LLPCA-1-AA	1668/Wipe	0.500000	Wipe	20
17	09OC0910D5_17	G9I170346-1LCS	LLPCA-1-AC	1668/Wipe	0.500000	Wipe	20
18	09OC0910D5_18	G9I170346-1	LK19W-1-AC	1668/Wipe	0.500000	Wipe	20
19	09OC0910D5_19	G9I170346-2	LK19X-1-AC	1668/Wipe	0.500000	Wipe	20
20	09OC0910D5_20	G9I170346-3	LK190-1-AC	1668/Wipe	0.500000	Wipe	20
21	09OC0910D5_21	G9I170346-4	LK191-1-AC	1668/Wipe	0.500000	Wipe	20
22	09OC0910D5_22	G9I170346-5	LK192-1-AC	1668/Wipe	0.500000	Wipe	20
23	09OC0910D5_23	G9I170346-6	LK193-1-AC	1668/Wipe	0.500000	Wipe	20
24	09OC0910D5_24	G9I170346-7	LK194-1-AC	1668/Wipe	0.500000	Wipe	20
25	09OC0910D5_25	G9I170346-8	LK195-1-AC	1668/Wipe	0.500000	Wipe	20
26	09OC0910D5_26	Solvent Blank C-12	SB1009C	---	1.000000	---	1
27	09OC0910D5_27	CS-3 09DXN207	ST1009B	---	1.000000	---	1
28	09OC0910D5_28	Solvent Blank C-12	SB1009D	---	1.000000	---	1
29	09OC0910D5_29	G9I190189-1	LK53X-1-AC	1668/Wipe	0.500000	Wipe	20
30	09OC0910D5_30	G9I190189-2	LK531-1-AC	1668/Wipe	0.500000	Wipe	20
31	09OC0910D5_31	G9I190189-3	LK532-1-AC	1668/Wipe	0.500000	Wipe	20
32	09OC0910D5_32	G9I190189-4	LK533-1-AC	1668/Wipe	0.500000	Wipe	20
33	09OC0910D5_33	G9I190189-5	LK534-1-AC	1668/Wipe	0.500000	Wipe	20
34	09OC0910D5_34	G9I190189-6	LK535-1-AC	1668/Wipe	0.500000	Wipe	20
35	09OC0910D5_35	G9I190189-7	LK536-1-AC	1668/Wipe	0.500000	Wipe	20
36	09OC0910D5_36	G9I190189-8	LK537-1-AC	1668/Wipe	0.500000	Wipe	20
37	09OC0910D5_37	G9I190189-9	LK538-1-AC	1668/Wipe	0.500000	Wipe	20
38	09OC0910D5_38	G9I190189-10	LK539-1-AC	1668/Wipe	0.500000	Wipe	20
39	09OC0910D5_39	Solvent Blank C-12	SB1009E	---	1.000000	---	1
40	09OC0910D5_40	CS-3 09DXN207	ST1009C	---	1.000000	---	1
41	09OC0910D5_41	Solvent Blank C-12	SB1009F	---	1.000000	---	1
42	09OC0910D5_42	G9I290159-1MB	LLV27-1-AA	1668/Air	0.000000	Sample	20
43	09OC0910D5_43	G9I290159-LCS	LLV27-1-AC	1668/Air	0.000000	Sample	20
44	09OC0910D5_44	G9I190189-11	LK54A-1-AC	1668/Wipe	0.500000	Wipe	20
45	09OC0910D5_45	G9I190189-12	LK54C-1-AC	1668/Wipe	0.500000	Wipe	20
46	09OC0910D5_46	G9I290159-1	LLM8N-1-AA	1668/Air	1.000000	Sample	20
47	09OC0910D5_47	G9I290159-2	LLM8Q-1-AA	1668/Air	1.000000	Sample	20
48	09OC0910D5_48	G9I290159-3	LLM8R-1-AA	1668/Air	1.000000	Sample	20
49	09OC0910D5_49	G9I290159-4	LLM8T-1-AA	1668/Air	1.000000	Sample	20
50	09OC0910D5_50	G9I290159-5	LLM8V-1-AA	1668/Air	1.000000	Sample	20
51	09OC0910D5_51	Solvent Blank C-12	SB1009G	---	1.000000	---	1

*Handwritten notes:*  
 10/12/09  
 2:55

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\09OC0910D5.SPL  
 Last Modified: Monday, October 12, 2009 08:26:47 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 08:26:51 Pacific Daylight Time

Page 2 of 3

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:2	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:3	1.000000	Analyte	SMA, AM 10-08-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:4	1.000000	Analyte	SMA, AM 10-08-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:5	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:6	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:7	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:8	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:10	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:11	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:14	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:15	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:16	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:24	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:25	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:26	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:27	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:28	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:29	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:30	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:31	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:32	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:33	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:34	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:35	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:36	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:37	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:38	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:39	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:40	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:41	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:42	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:43	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:44	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:45	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:46	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:47	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:48	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:49	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:50	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:51	1.000000	Analyte	SMA 10-09-09	1668M10D5	1668M10D5	---	---	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\09OC0910D5.SPL  
Last Modified: Monday, October 12, 2009 08:26:47 Pacific Daylight Time  
Printed: Monday, October 12, 2009 08:26:51 Pacific Daylight Time

Page 3 of 3

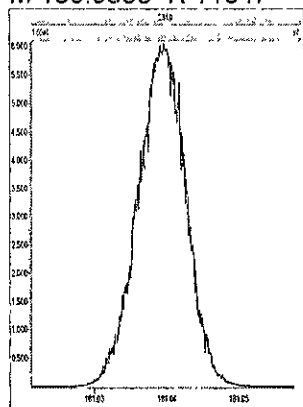
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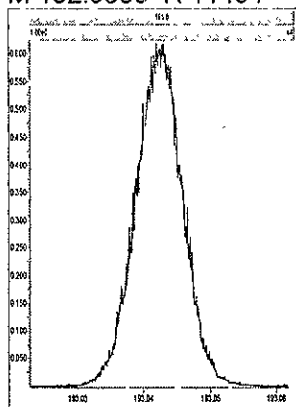
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Printed: Friday, October 09, 2009 10:09:34 Pacific Daylight Time

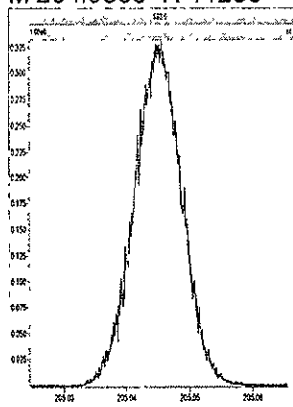
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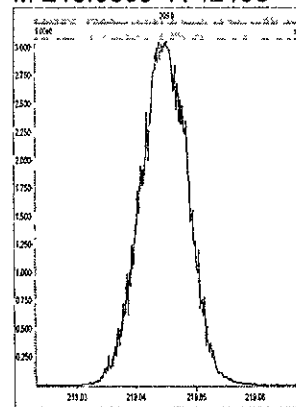
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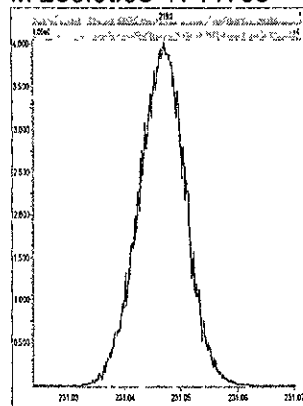
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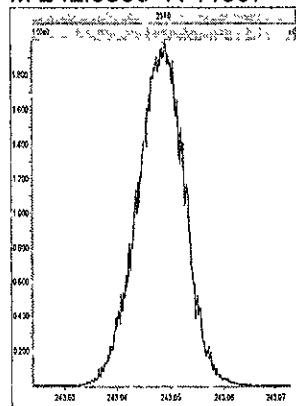
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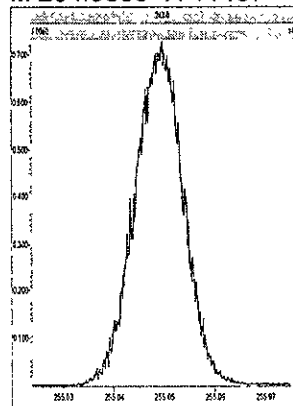
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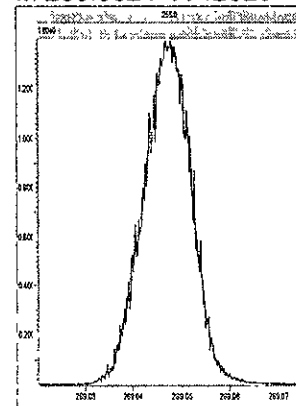
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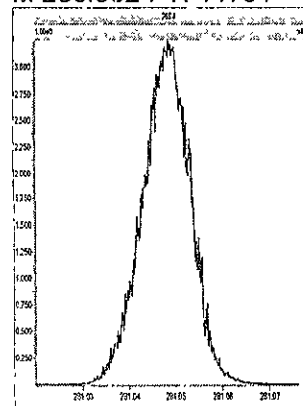
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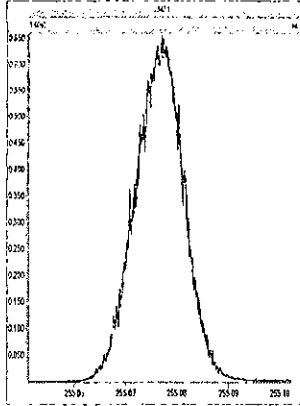




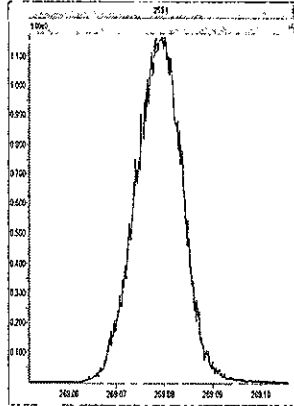
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Printed: Friday, October 09, 2009 10:10:38 Pacific Daylight Time

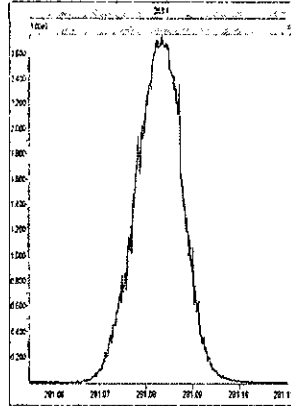
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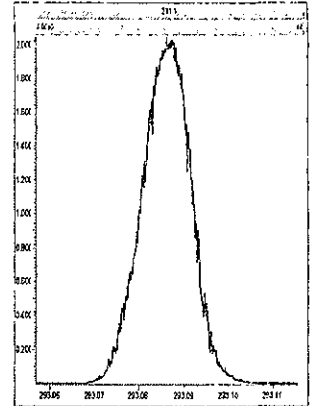
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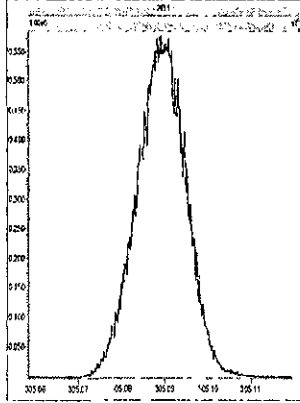
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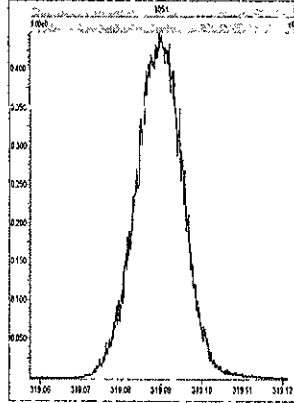
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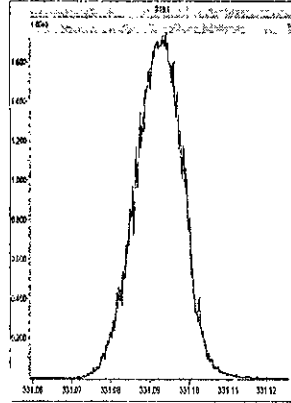
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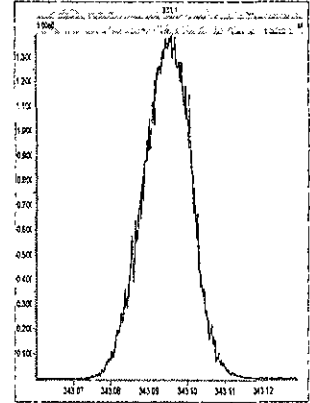
M 318.9792 R 11962



M 330.9792 R 12018



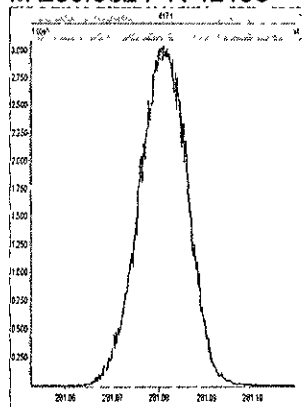
M 342.9792 R 11630



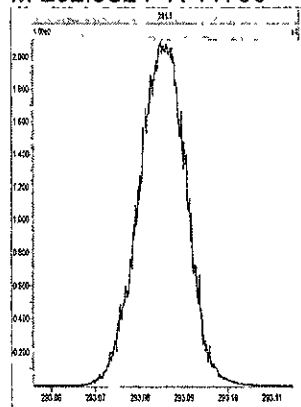
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, October 09, 2009 10:11:37 Pacific Daylight Time

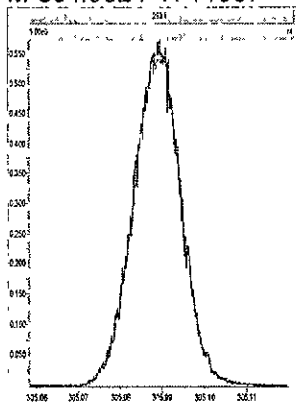
M 280.9824 R 12136



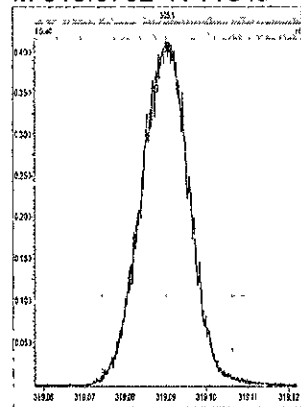
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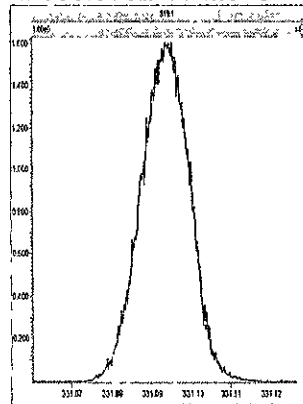
M 304.9824 R 11907



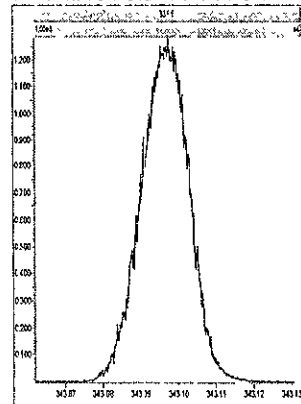
M 318.9792 R 11843



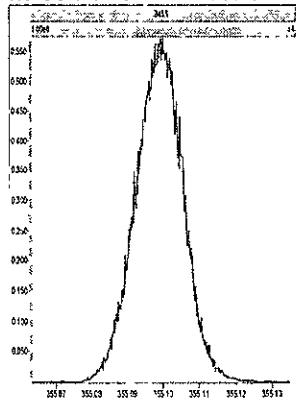
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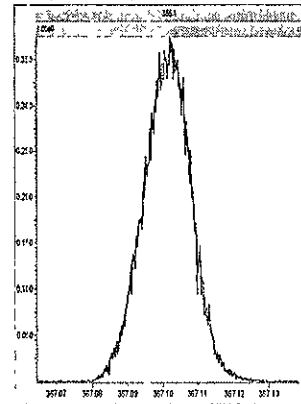
M 342.9792 R 11734



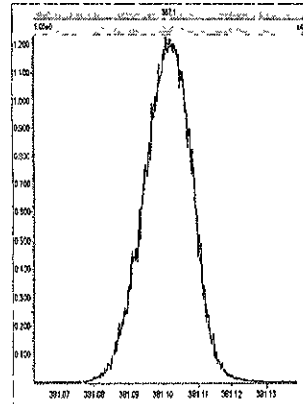
M 354.9792 R 11628



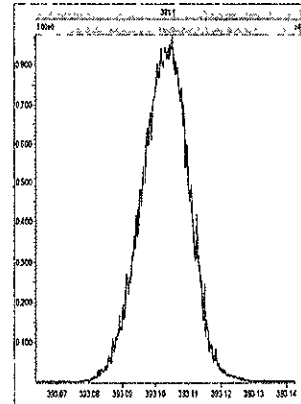
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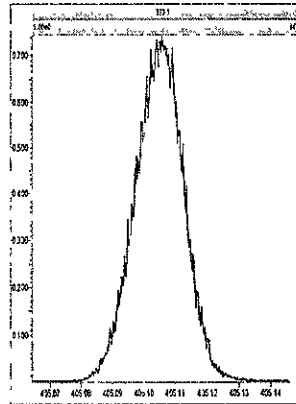
M 380.9760 R 11902



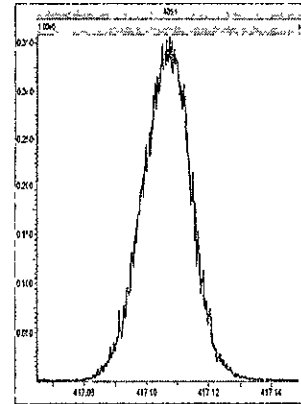
M 392.9760 R 11683



M 404.9760 R 11627



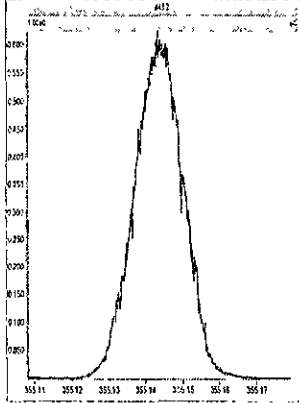
M 416.9760 R 11263



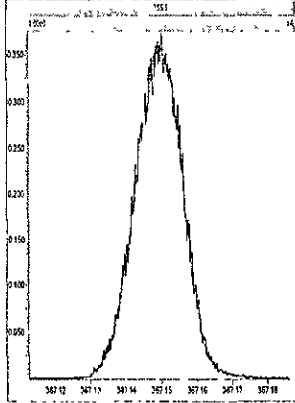
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Printed: Friday, October 09, 2009 10:12:34 Pacific Daylight Time

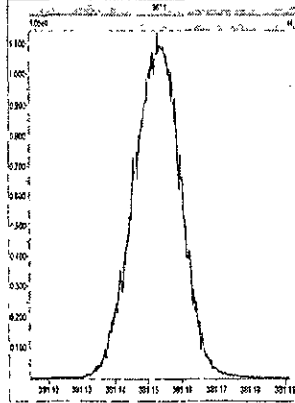
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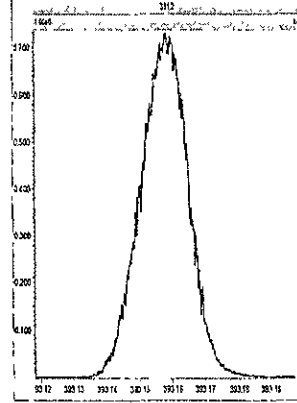
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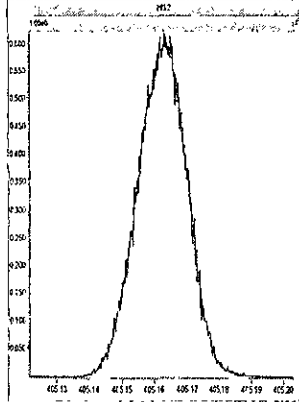
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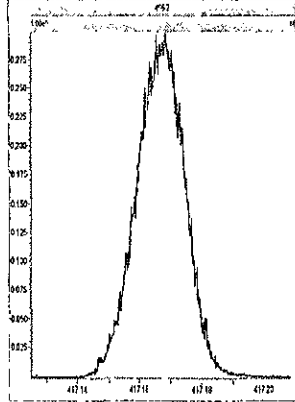
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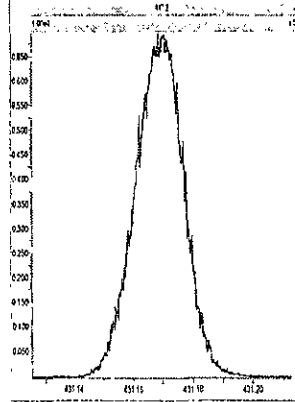
M 404.9760 R 11624



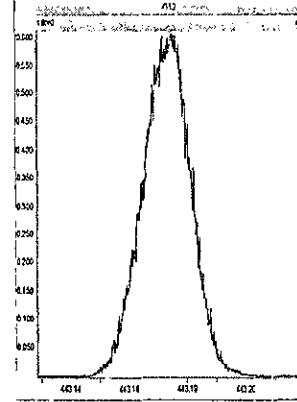
M 416.9760 R 11792



M 430.9728 R 11626



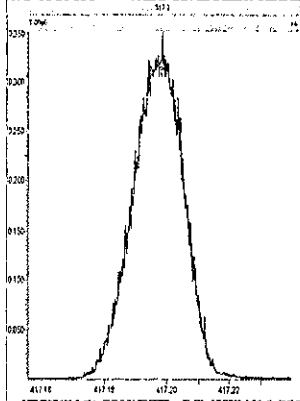
M 442.9728 R 12020



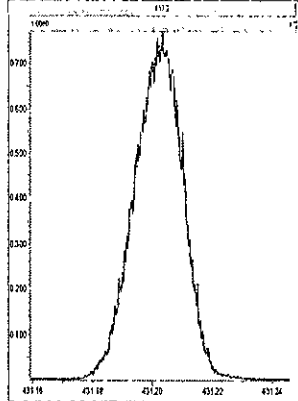
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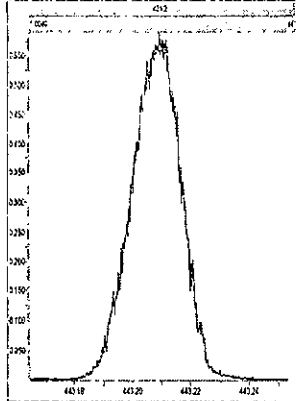
M 416.9760 R 11416



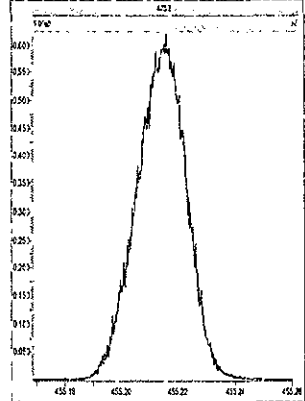
M 430.9728 R 11363



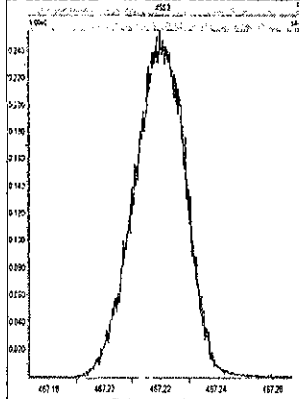
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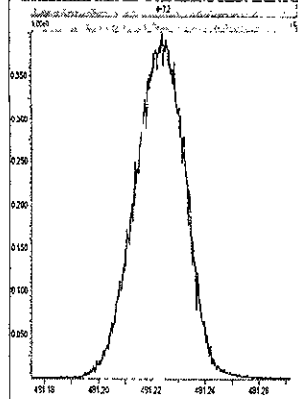
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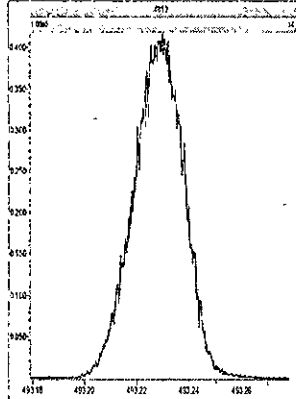
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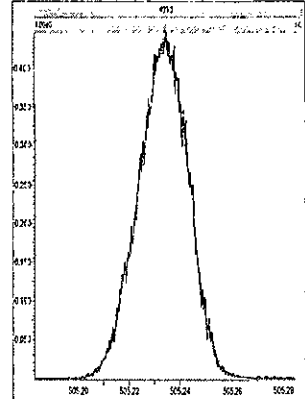
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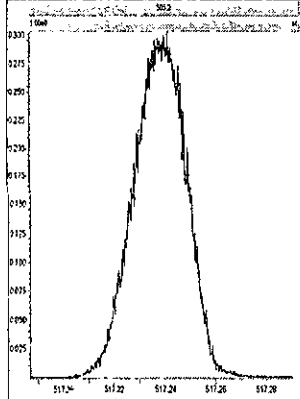
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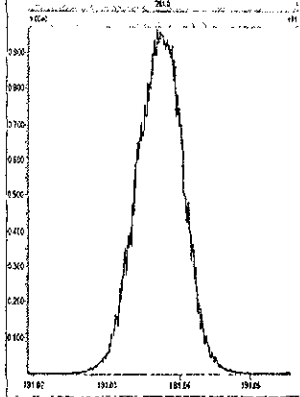
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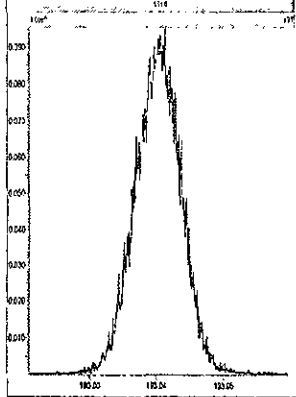
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Printed: Monday, October 12, 2009 07:31:31 Pacific Daylight Time

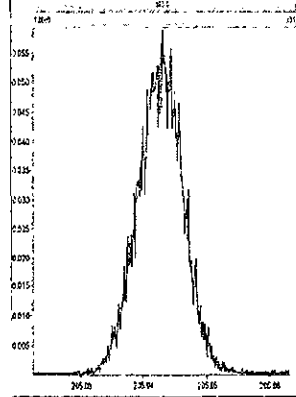
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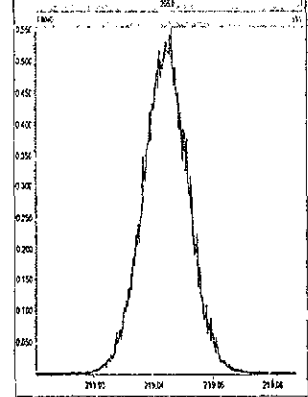
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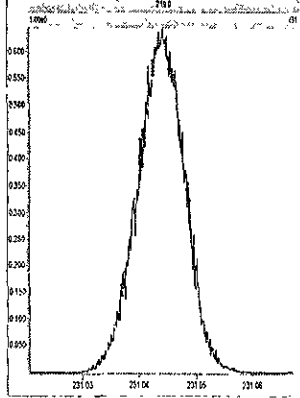
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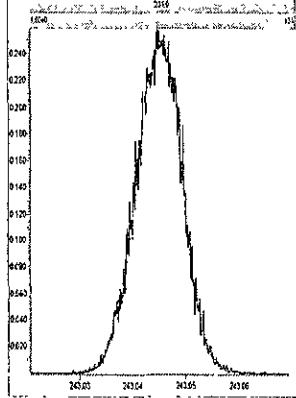
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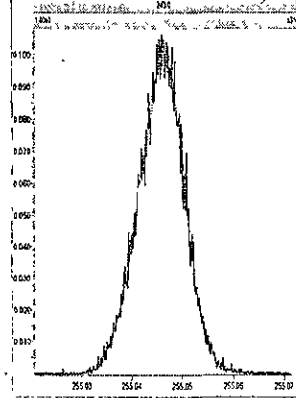
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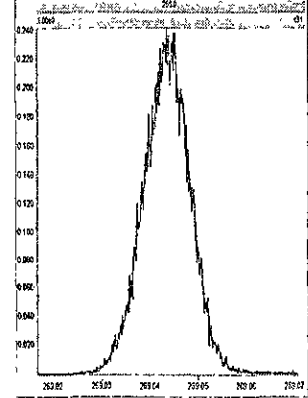
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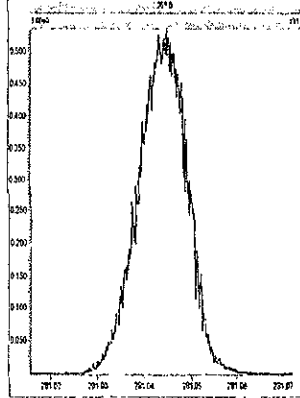
M 254.9856 R 11848



M 268.9824 R 11906



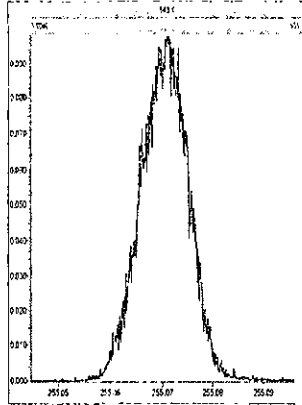
M 280.9824 R 11791



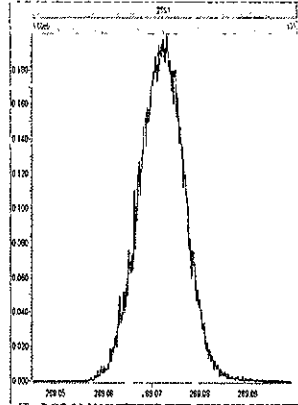
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Printed: Monday, October 12, 2009 07:35:43 Pacific Daylight Time

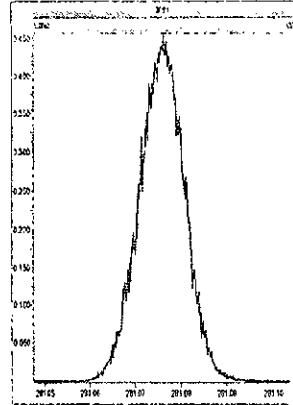
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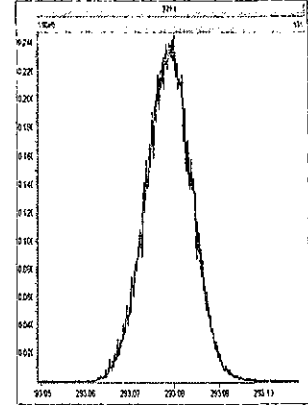
M 268.9824 R 12371



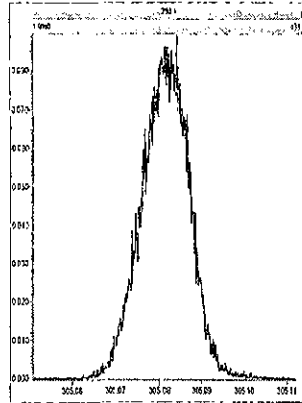
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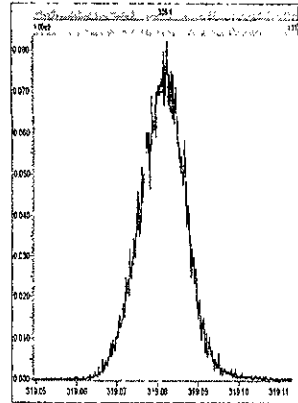
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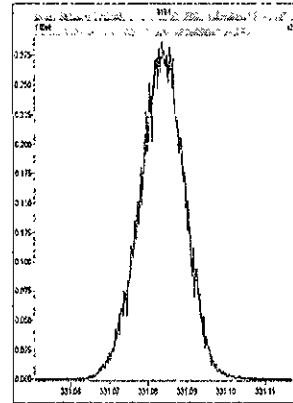
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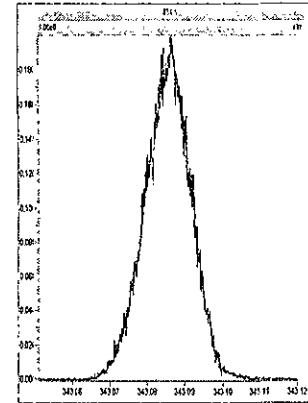
M 318.9792 R 12136



M 330.9792 R 12436



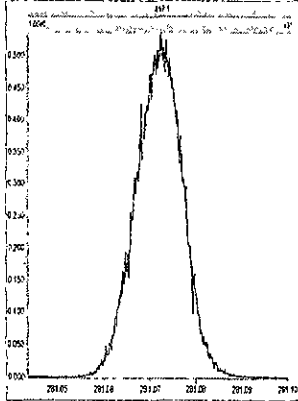
M 342.9792 R 11684



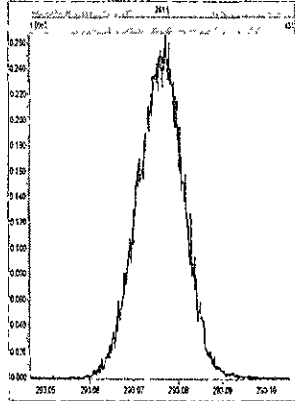
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Printed: Monday, October 12, 2009 07:39:00 Pacific Daylight Time

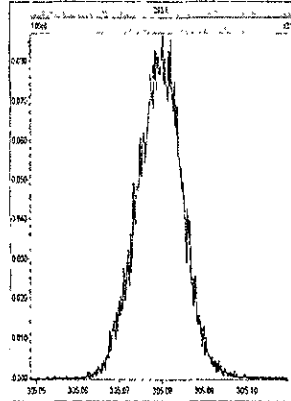
M 280.9824 R 11904



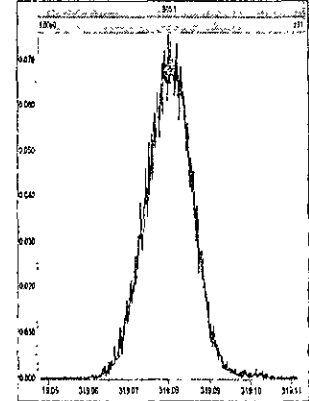
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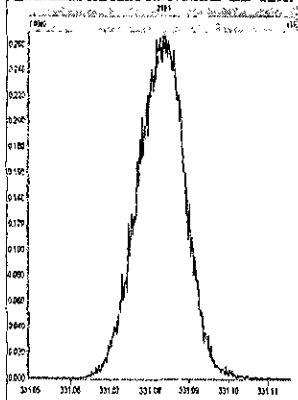
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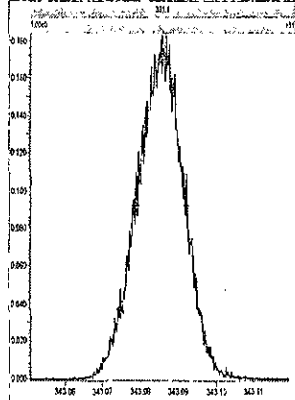
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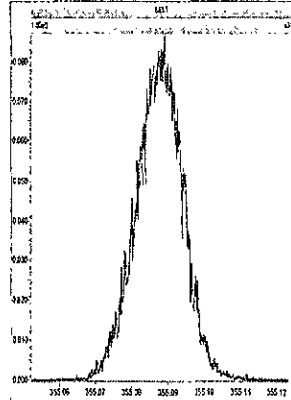
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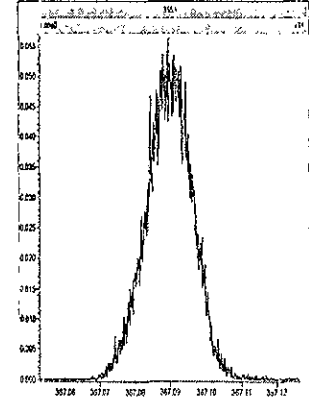
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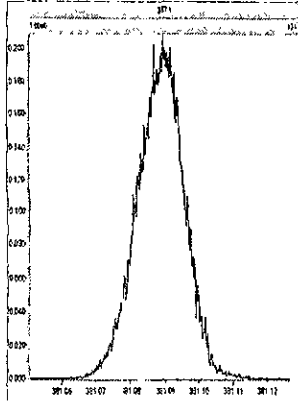
M 354.9792 R 11905



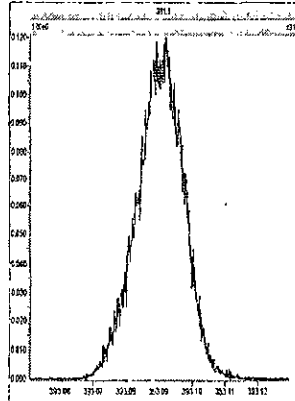
M 366.9792 R 12081



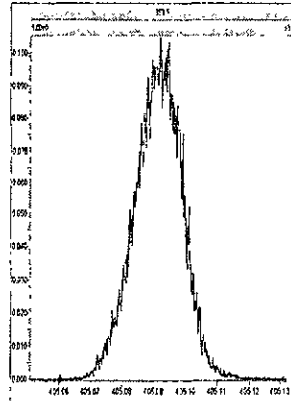
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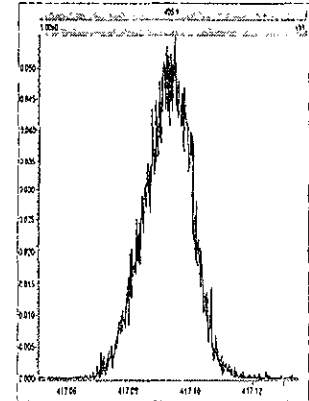
M 392.9760 R 11793



M 404.9760 R 11791



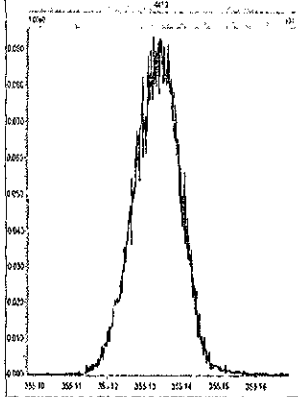
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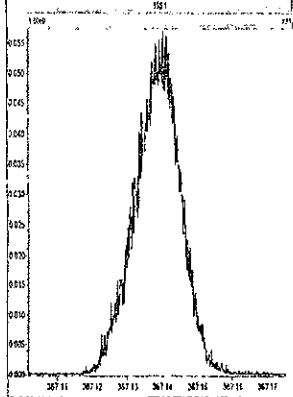
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Printed: Monday, October 12, 2009 07:41:34 Pacific Daylight Time

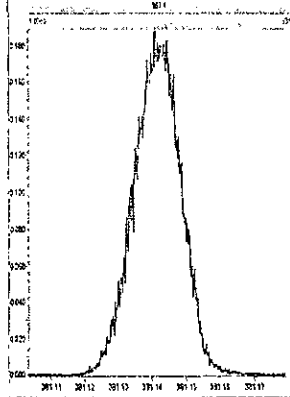
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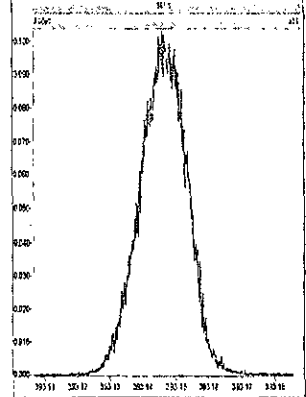
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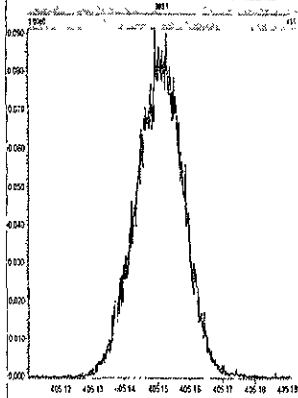
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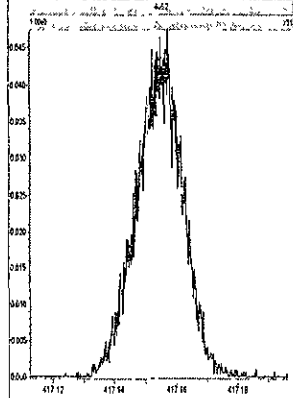
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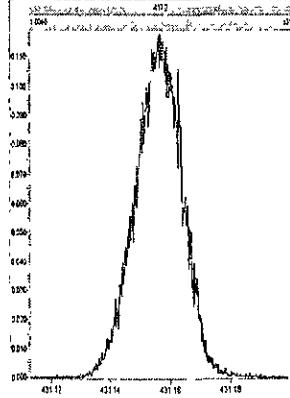
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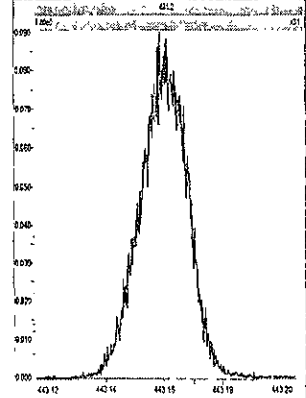
M 416.9760 R 11311



M 430.9728 R 12079



M 442.9728 R 12020

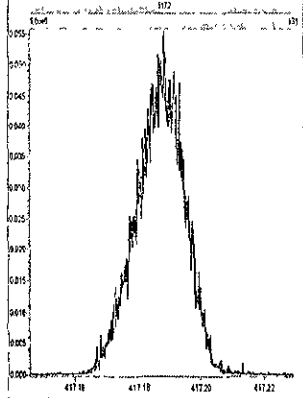




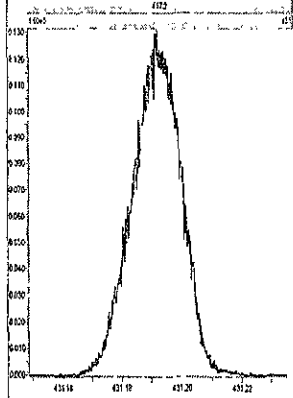
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Printed: Monday, October 12, 2009 07:43:32 Pacific Daylight Time

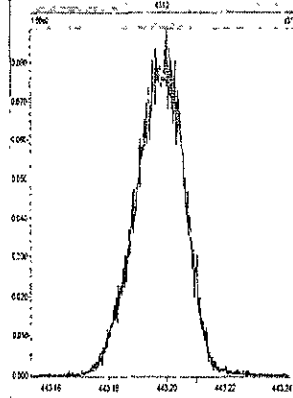
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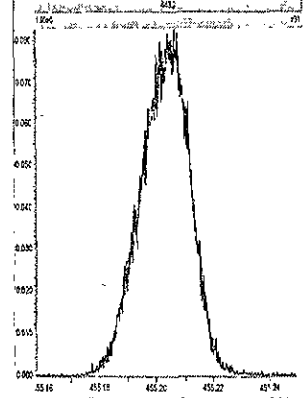
M 430.9728 R 11520



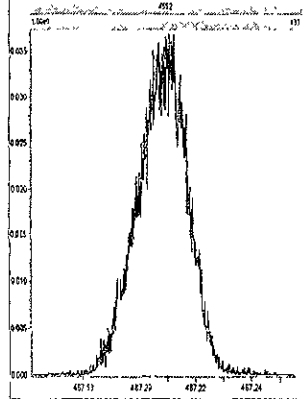
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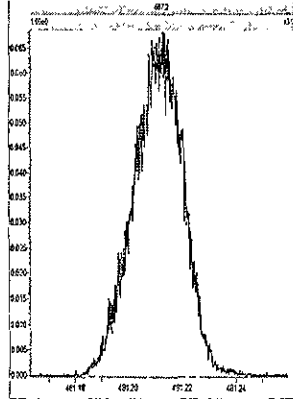
M 454.9728 R 11901



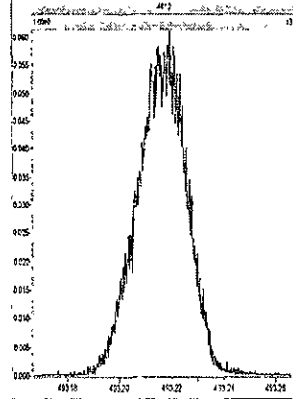
M 466.9728 R 11904



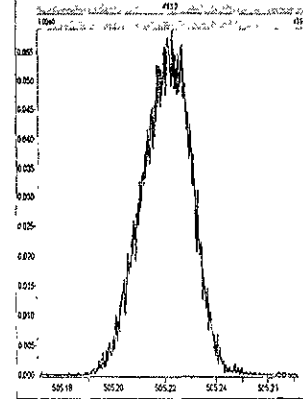
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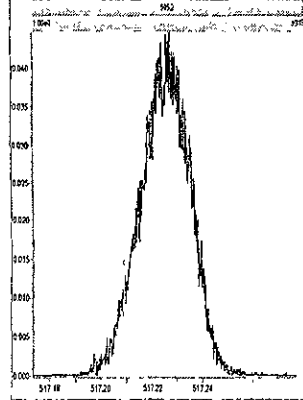
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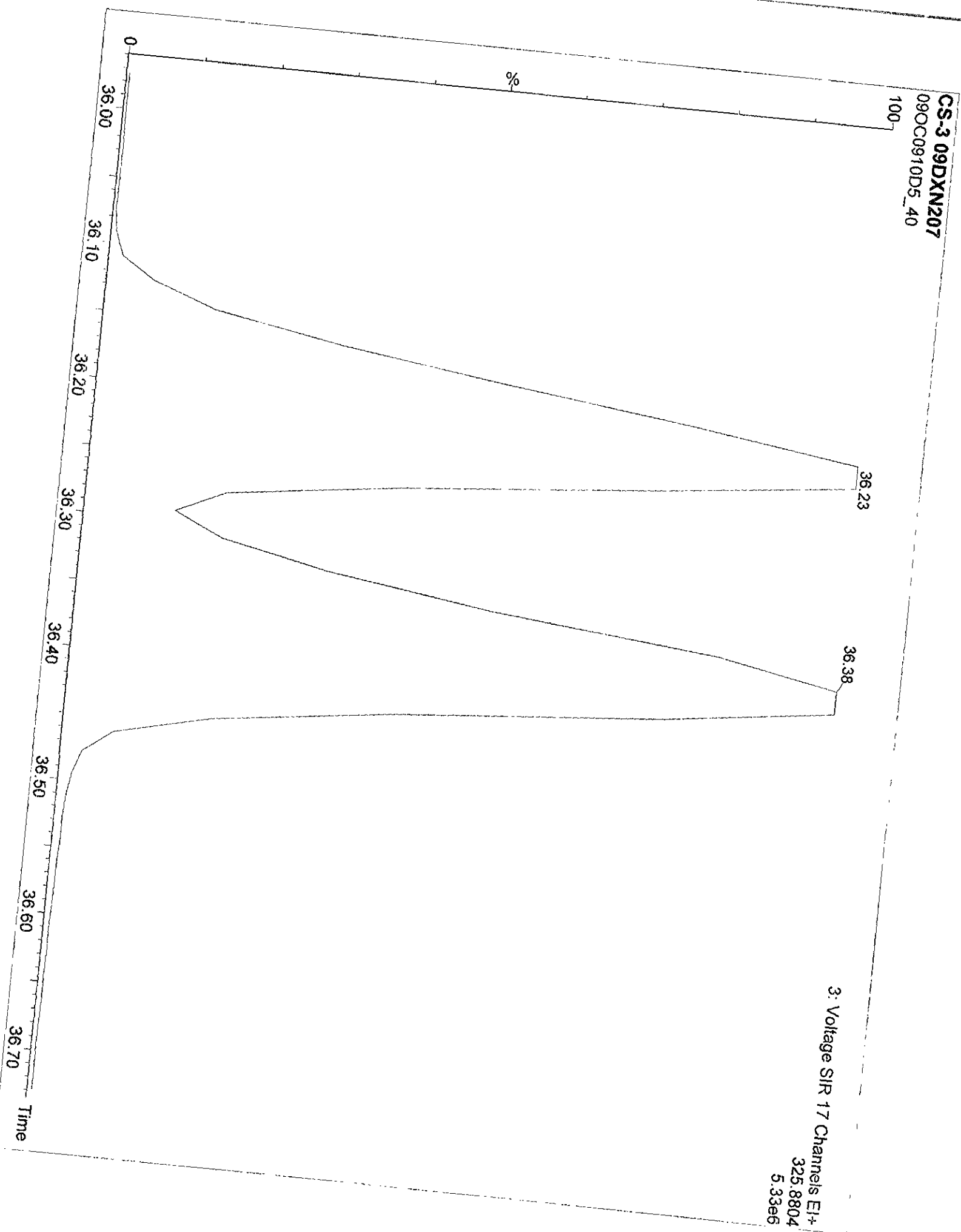
M 504.9696 R 11792



M 516.9697 R 11847



CS-3 09DXN207  
09OC0910D5\_40



3: Voltage SIR 17 Channels EI+  
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5.33e6

Dataset: C:\MassLynx\Default.pro\09OC0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time

Printed: Monday, October 12, 2009 17:27:44 Pacific Daylight Time

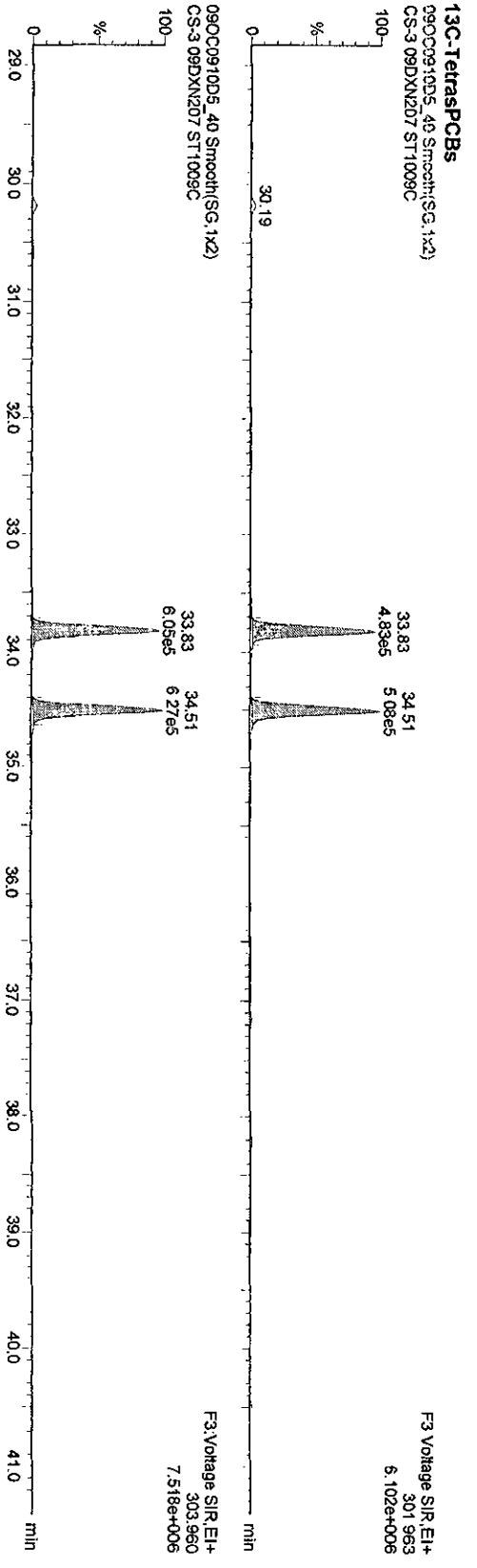
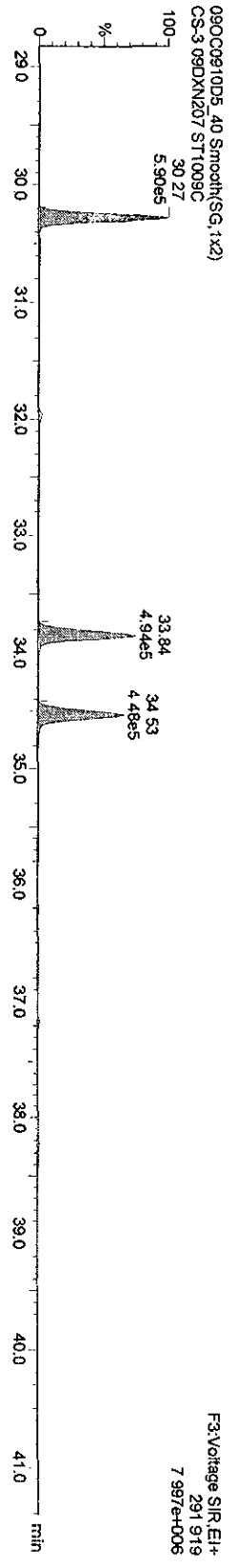
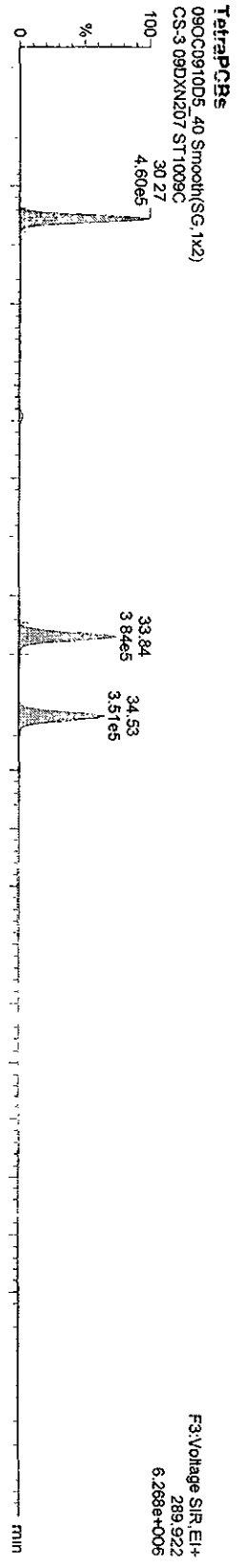
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Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 21 Jul 2009 13:15:46

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2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

Dataset: C:\Masslynx\Default\prot090C0910D51668MSL.qld  
 Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
 Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_40, Date: 10-Oct-2009, Time: 22:54:51, ID: ST1009C, Description: CS-3-09DXN207

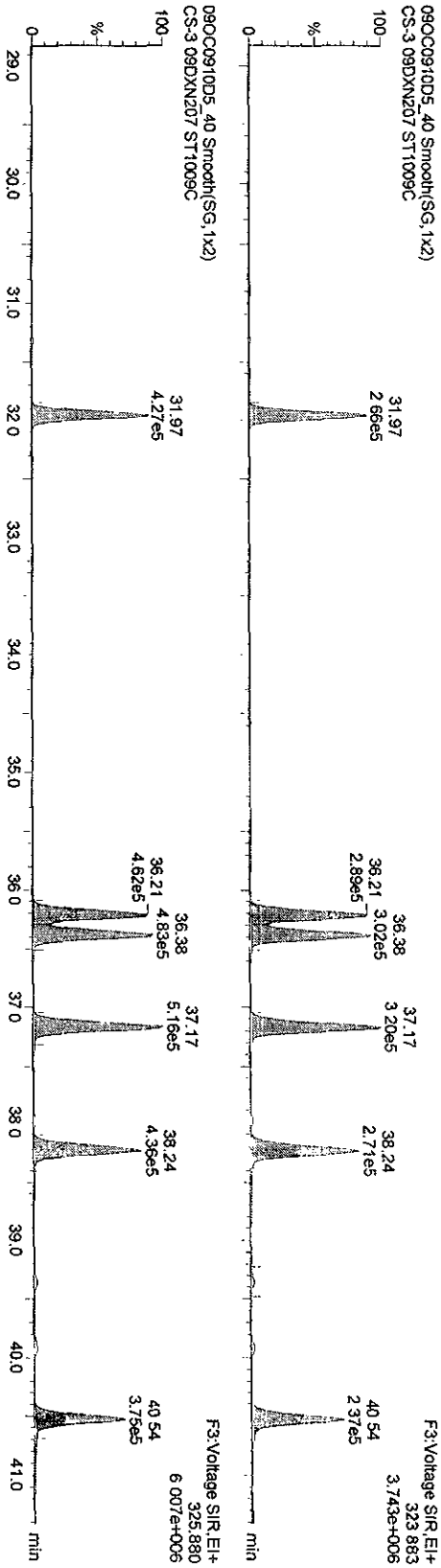


Dataset: C:\Masslynx\Default.pro\090C0910D51668MSL.qtd

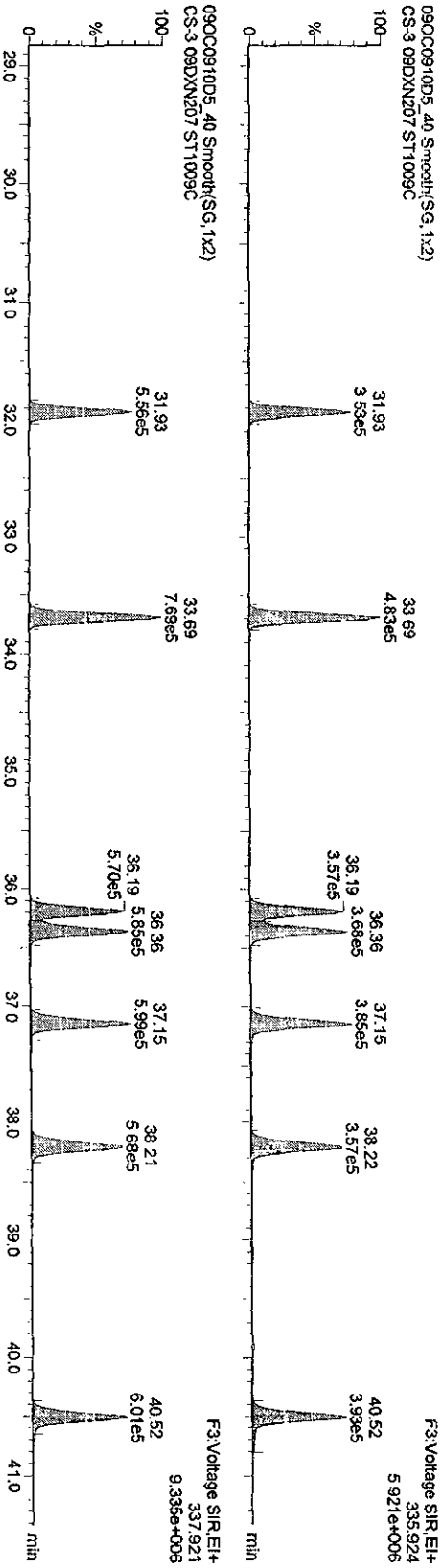
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_40, Date: 10-Oct-2009, Time: 22:54:51, ID: ST1009C, Description: CS-3-09DXN207

**PapCBs**



**13C-PapCBs**

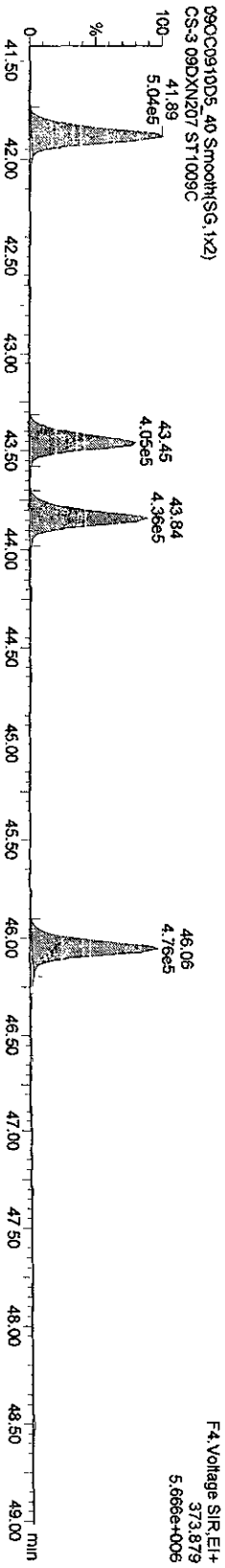
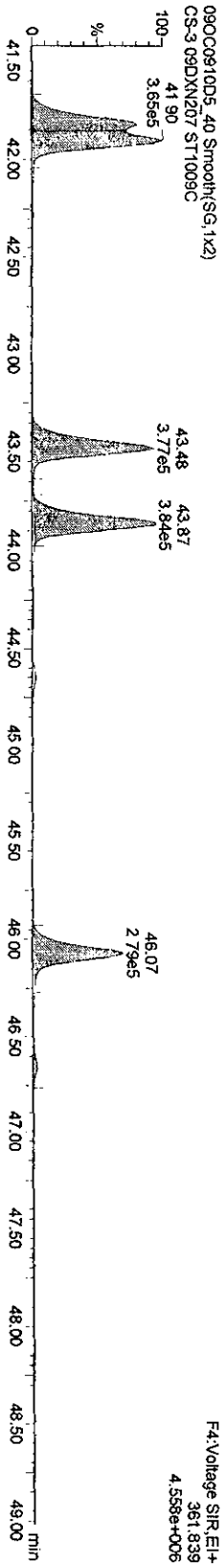
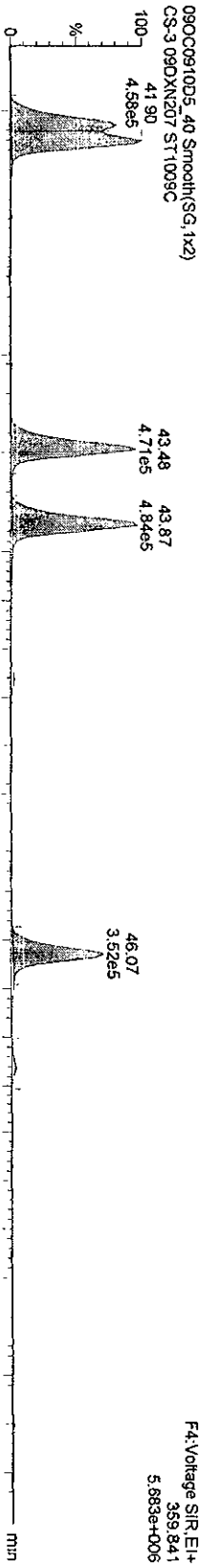


Dataset: C:\MassLynx\Default\proj\090C0910D5\1668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_40, Date: 10-Oct-2009, Time: 22:54:51, ID: ST1009C, Description: CS-3 09DXN207

HxPCBs-

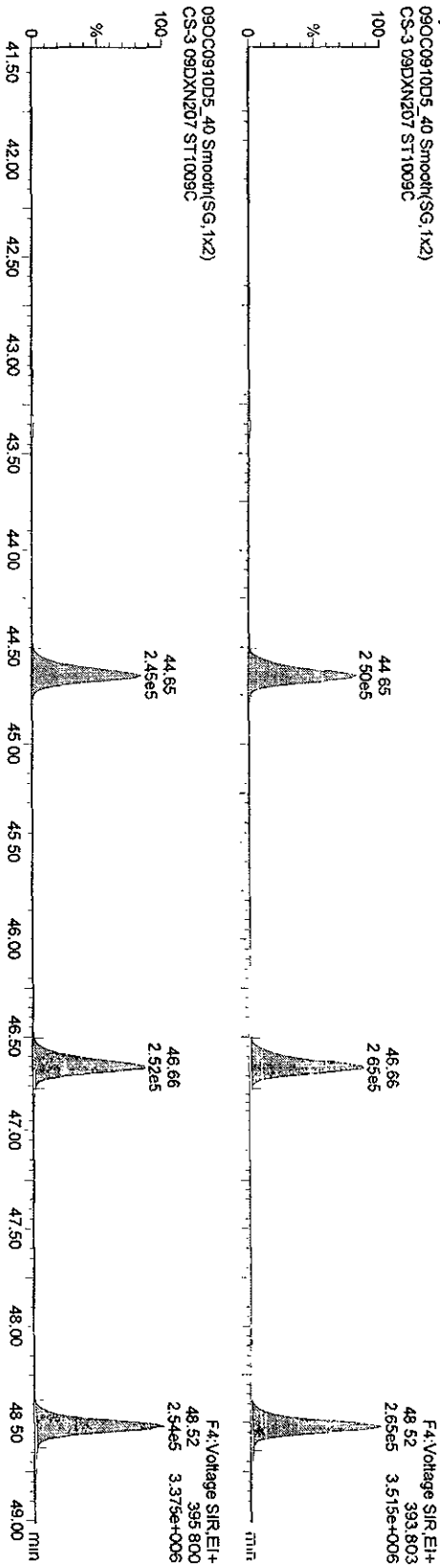


Dataset: C:\MassLynx\Default.pro\090C0910D5\1668MSL.qld

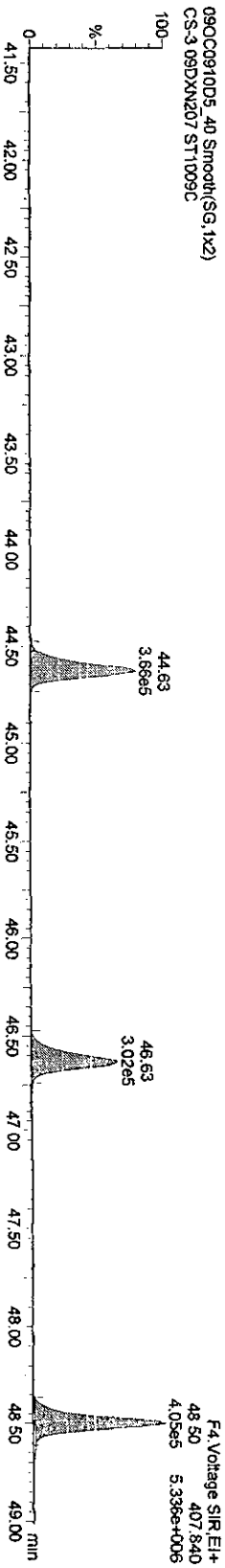
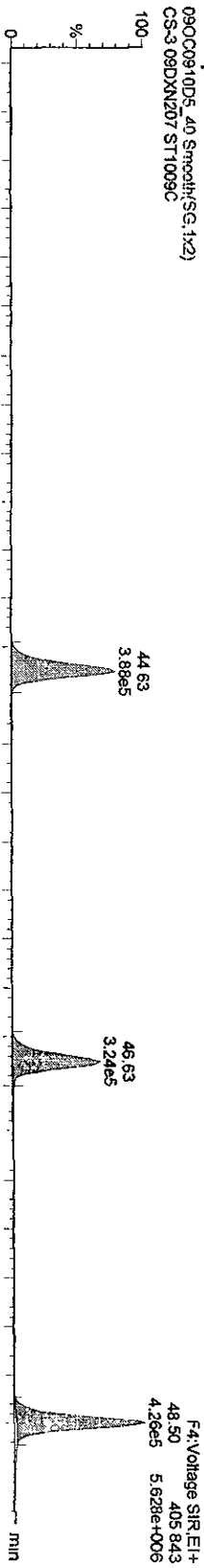
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:25:54 Pacific Daylight Time

Name: 090C0910D5\_40, Date: 10-Oct-2009, Time: 22:54:51, ID: ST1009C, Description: CS-3-09DXN207

HpPCBs



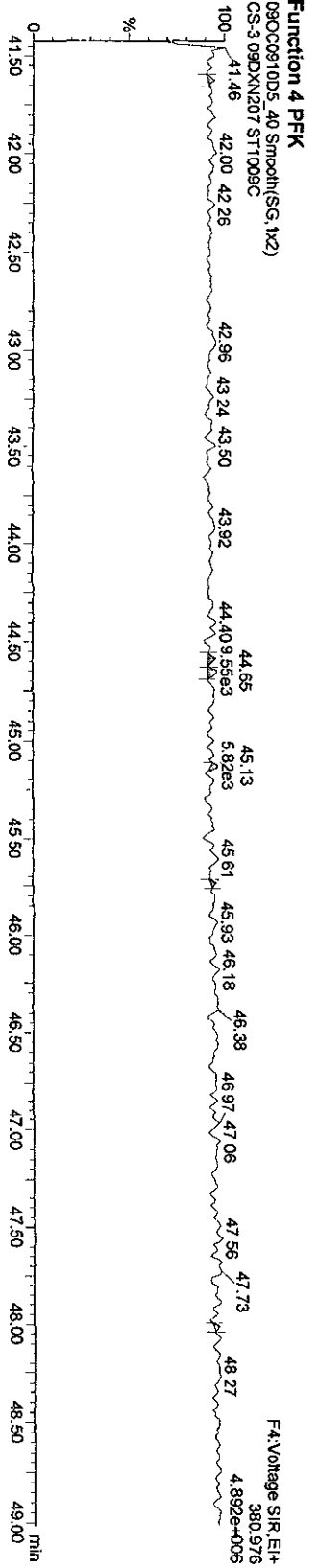
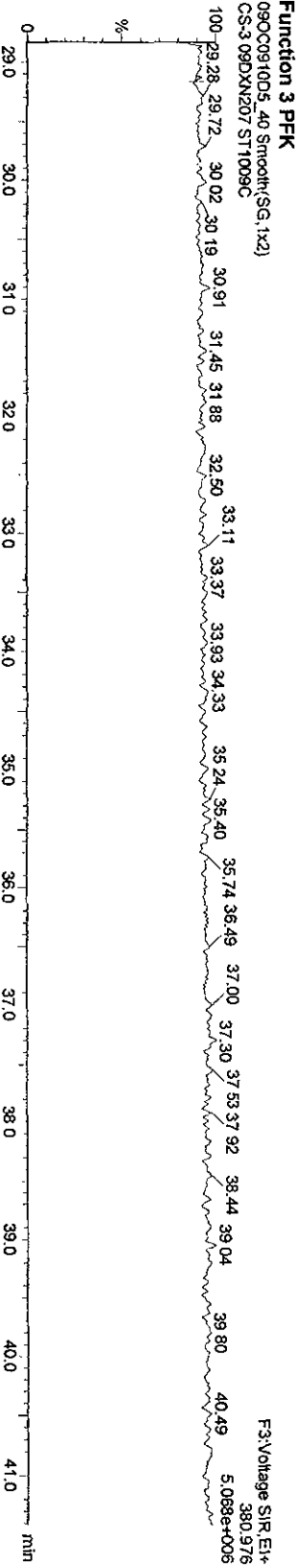
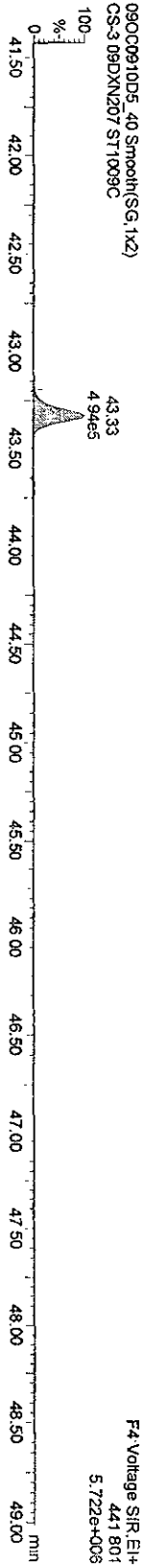
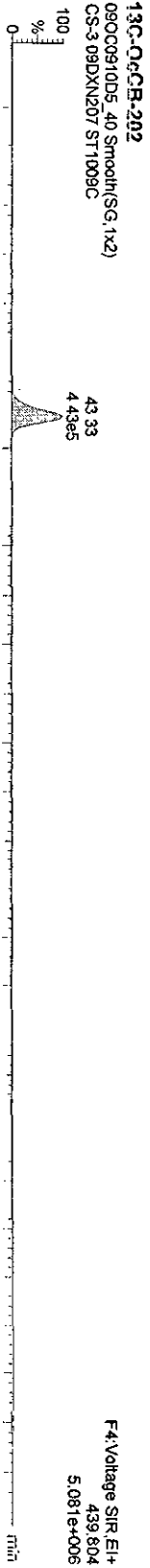
13C-HpPCBs



Dataset: C:\Masslynx\Default\pro\090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_40, Date: 10-Oct-2009, Time: 22:54:51, ID: ST1009C, Description: CS-3 09DXN207



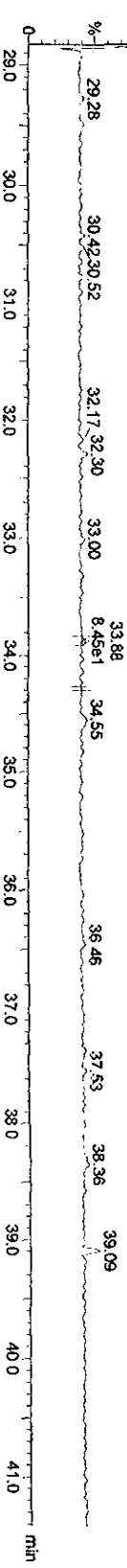
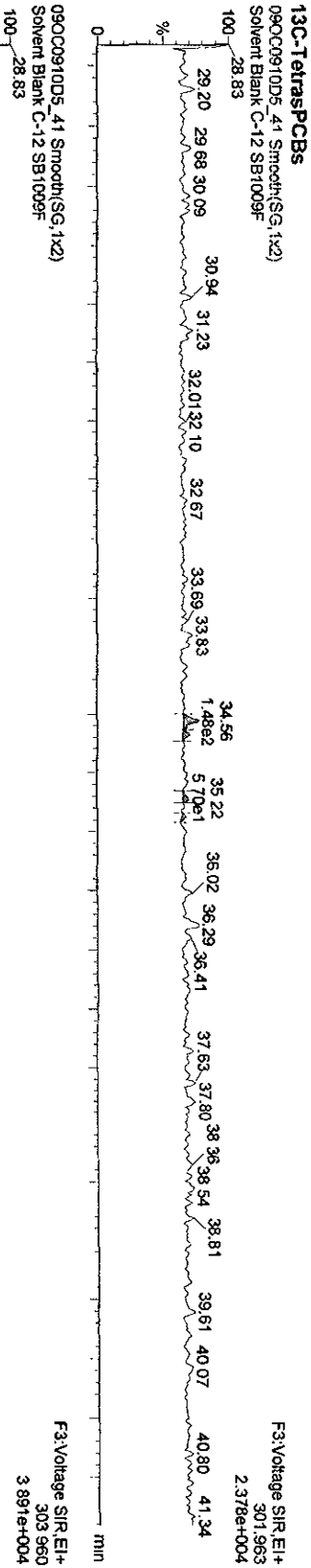
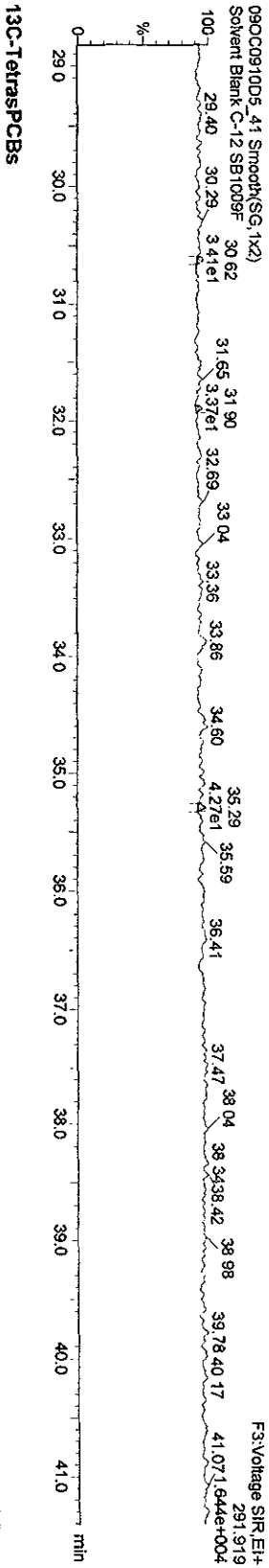
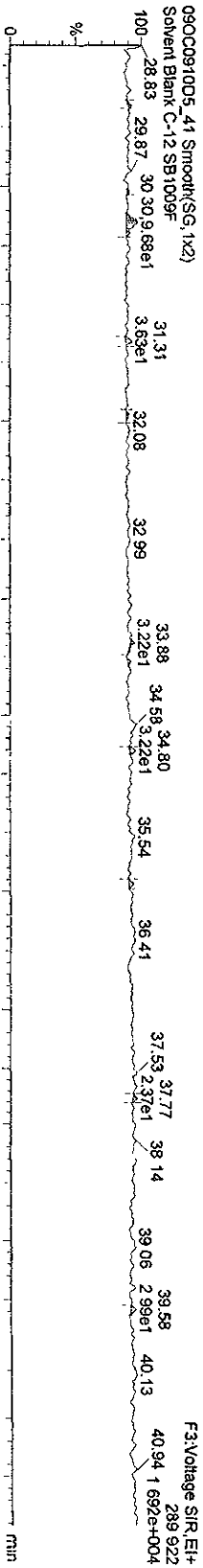


Dataset C:\MassLynx\Default\proj\090C0910D5\1668M\SL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_41, Date: 10-Oct-2009, Time: 23:51:16, ID: SB1009F, Description: Solvent Blank C-12

**TetraPCBs**



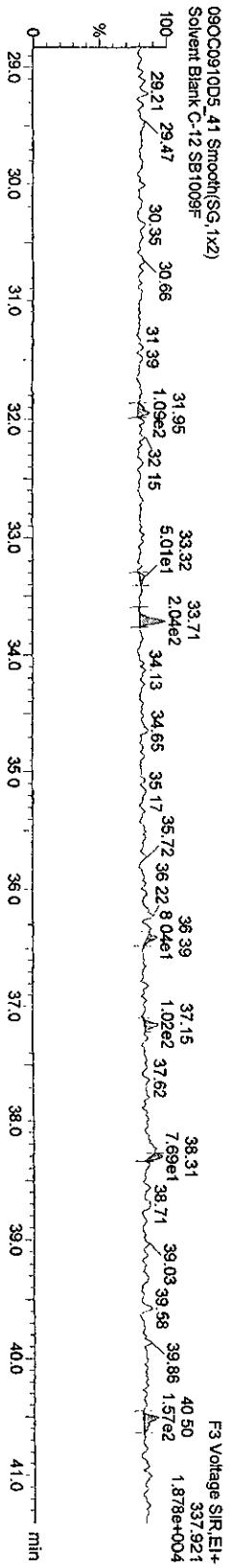
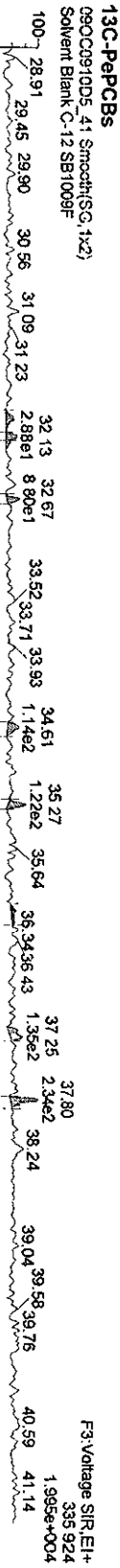
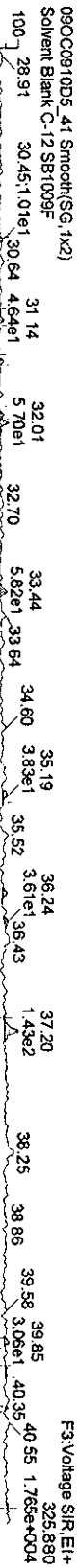
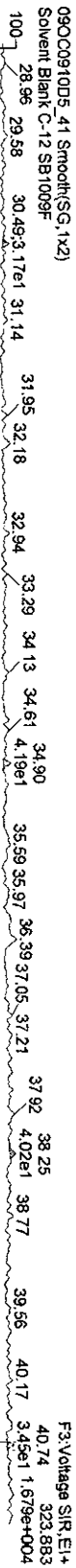
Quantify Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\090C0910D5166BMSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_41, Date: 10-Oct-2009, Time: 23:51:16, ID: SB1009F, Description: Solvent Blank C-12

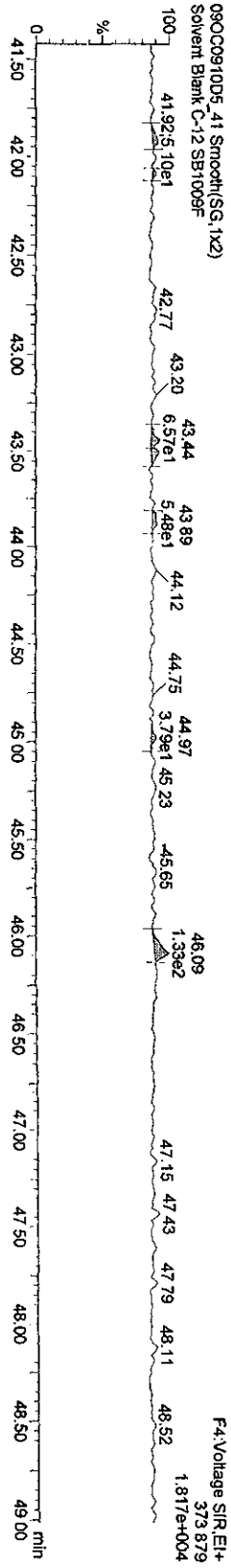
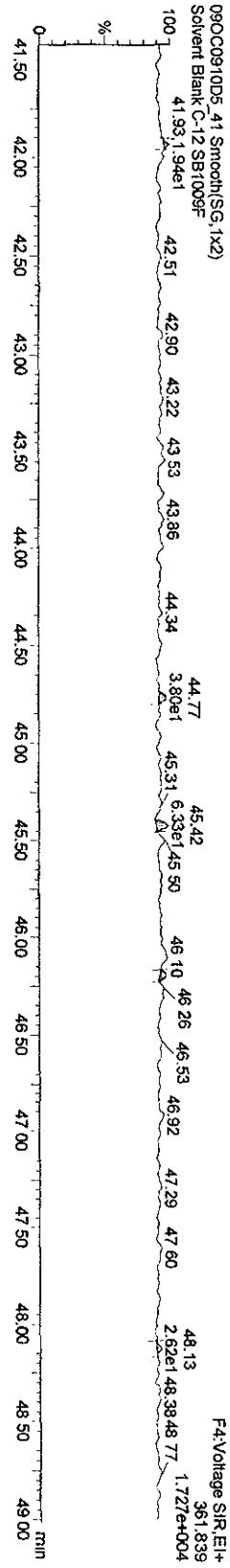
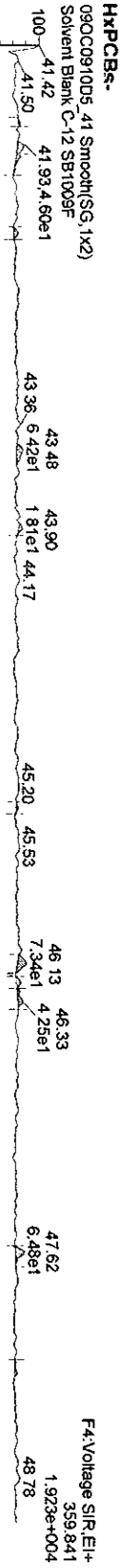
**PAPCE**



Dataset C:\MassLynx\Default\pro\090C0910D51668MSL.qld

Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_41, Date: 10-Oct-2009, Time: 23:51:16, ID: SB1009F, Description: Solvent Blank C-12



Dataset: C:\MassLynx\Default.pro\090C0910D51668MSL.qld

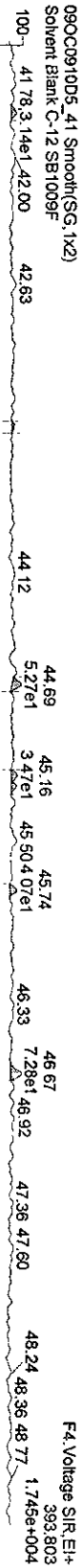
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time

Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

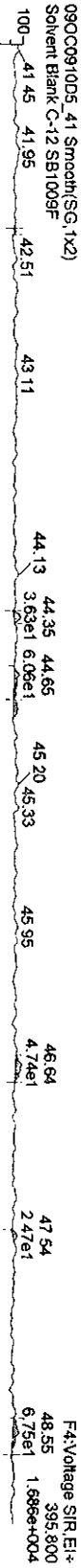
Name: 090C0910D5\_41, Date: 10-Oct-2009, Time: 23:51:16, ID: SB1009F, Description: Solvent Blank C-12

HPLCGRS

090C0910D5\_41 Smooth(SG,1x2)  
Solvent Blank C-12 SB1009F

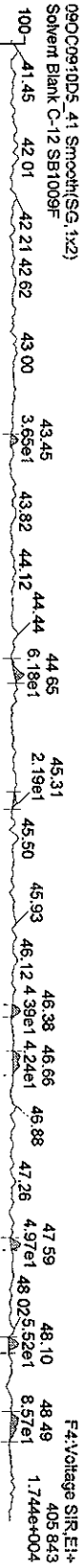


090C0910D5\_41 Smooth(SG,1x2)  
Solvent Blank C-12 SB1009F



13C-HPLCGRS

090C0910D5\_41 Smooth(SG,1x2)  
Solvent Blank C-12 SB1009F



090C0910D5\_41 Smooth(SG,1x2)  
Solvent Blank C-12 SB1009F



Quantity Sample Report

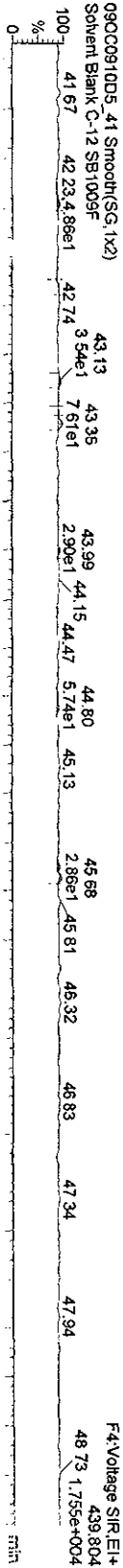
MassLynx 4.1

Dataset: C:\MassLynx\Default\pro090C0910D51668MSL.qld

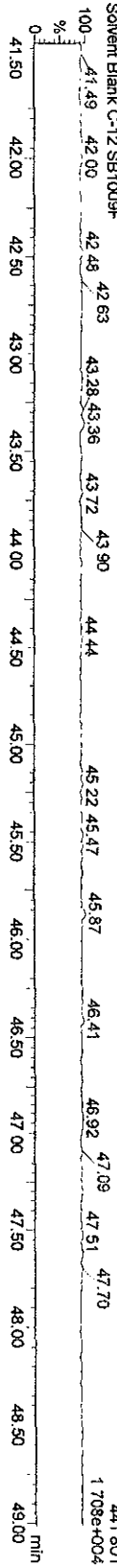
Last Altered: Monday, October 12, 2009 17:25:51 Pacific Daylight Time  
Printed: Monday, October 12, 2009 17:26:54 Pacific Daylight Time

Name: 090C0910D5\_41, Date: 10-Oct-2009, Time: 23:51:16, ID: SB1009F, Description: Solvent Blank C-12

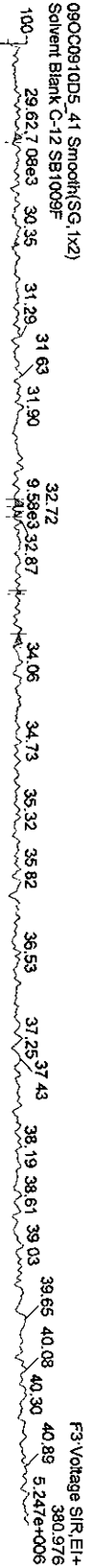
13C-OcCB-202



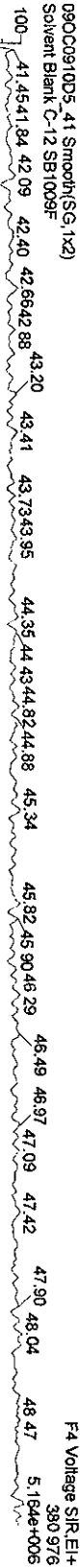
090C0910D5\_41 Smooth(SG, 1X2)



Function 3 PFK



Function 4 PFK



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
 Methods 1668 and 1614

ICAL ID FCA0716200910DS1668MSL, FCA0716200910DS<sup>1668</sup>MSLDEC

Method ID 1668M Date Scanned \_\_\_\_\_

Column ID DB-5 Instrument ID 10DS

STD ID's ST0716, ST0716A, ST0716B STD Solution 09DXN(-205, -206, -207, -208, -209  
ST0716C, ST0716D

GC Program 1668M10DS Multiplier Setting 350

Analyzed By SMA Date Analyzed 7-16-09

Prepared By SMA Date Prepared 7-21-09

Reviewed By AM Date Reviewed 7-21-09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for toxic and/or window defining natives (LOC natives.). All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%; S/N ≥ 2.5

1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 2.5

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:45:37 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	12419.42300	552.43115	4.44812
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27458	0.03295	2.58481
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02377	0.01763	1.72210
11	PeCB-118/106	1.52582	0.06945	4.55167
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58926	0.05740	3.61197
14	13C-PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	14106.20925	642.22167	4.55276
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-DeCB-209	0.55323	0.00785	1.41876
38	DeCB-209	1.31861	0.03844	2.91546
39				
40	13C-PeCB-111	1.30483	0.02157	1.65345
41				
42	Function 3 PFK			
43	Function 4 PFK			
44	Function 5 PFK			



Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod Date
1	13C-PeCB-101	335.924	31.89	100.0	1238504	12385....	0.623	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1303558	1.05253	0.781	NO	
4	TeCB-81	289.922	33.82	1.0	17272	1.32496	0.713	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1366661	1.10348	0.785	NO	
6	TeCB-77	289.922	34.52	1.0	17201	1.25859	0.892	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.15	100.0	1250798	1.00993	0.630	NO	
9	PeCB-123	323.883	36.18	1.0	17822	1.42486	0.649	NO	
10	13C-PeCB-118	335.924	36.31	100.0	1303385	1.05239	0.638	NO	
11	PeCB-118/106	323.883	36.35	1.0	18785	1.44126	0.590	NO	
12	13C-PeCB-114	335.924	37.10	100.0	1308817	1.05677	0.632	NO	
13	PeCB-114	323.883	37.14	1.0	19667	1.50269	0.608	NO	
14	13C PeCB-105	335.924	38.18	100.0	1247364	1.00715	0.630	NO	
15	PeCB-105/127	323.883	38.21	1.0	17028	1.36510	0.657	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1318474	1.06457	0.617	NO	
17	PeCB-126	323.883	40.51	1.0	14763	1.11971	0.612	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.29	100.0	1410958	14109....	0.898	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.85	100.0	1437394	1.01874	1.287	NO	
22	HxCB-167	359.841	41.87	1.0	19668	1.36831	1.291	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1133192	0.80314	1.291	NO	
24	HxCB-156	359.841	43.45	1.0	18969	1.67395	1.142	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1209820	0.85745	1.273	NO	
26	HxCB-157	359.841	43.83	1.0	19507	1.61239	1.155	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1280840	0.90778	1.268	NO	
28	HxCB-169	359.841	46.08	1.0	13786	1.07630	1.297	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.59	100.0	985244	0.69828	1.054	NO	
31	HpCB-180	393.803	44.62	1.0	13178	1.33751	1.134	NO	
32	13C-HpCB-170	405.843	46.61	100.0	795719	0.56396	1.060	NO	
33	HpCB-170	393.803	46.64	1.0	12327	1.54915	1.029	NO	
34	13C-HpCB-189	405.843	48.48	100.0	1036343	0.73450	1.048	NO	
35	HpCB-189	393.803	48.50	1.0	12596	1.21545	1.055	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.70	100.0	781754	0.55406	0.704	NO	
38	DeCB-209	495.686	53.72	1.0	9872	1.26276	0.675	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.65	100.0	1685311	1.31074	0.635	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:33:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 10:48:51 Pacific Daylight Time

Name: 13JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

No.	Name	Trace	RT	Std. Conc.	Response	RRF	Ratio (Act.)	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.90	100.0	1201788	12017	0.630	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1243046	1.03433	0.797	NO	
4	TeCB-81	289.922	33.83	5.0	87542	1.40851	0.717	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1317969	1.09667	0.797	NO	
6	TeCB-77	289.922	34.52	5.0	81251	1.23297	0.721	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1207195	1.00450	0.620	NO	
9	PeCB-123	323.883	36.18	5.0	84618	1.40190	0.624	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1219974	1.01513	0.633	NO	
11	PeCB-118/106	323.883	36.35	5.0	89482	1.46696	0.646	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1249215	1.03946	0.647	NO	
13	PeCB-114	323.883	37.14	5.0	97586	1.56236	0.602	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1174371	0.97719	0.628	NO	
15	PeCB-105/127	323.883	38.21	5.0	82035	1.39708	0.619	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1231019	1.02432	0.623	NO	
17	PeCB-126	323.883	40.54	5.0	67459	1.09599	0.630	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1363855	13638...	0.891	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1360620	0.99763	1.270	NO	
22	HxCB-167	359.841	41.88	5.0	86045	1.26479	1.229	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1065694	0.78138	1.285	NO	
24	HxCB-156	359.841	43.46	5.0	85122	1.59750	1.186	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1123200	0.82355	1.286	NO	
26	HxCB-157	359.841	43.85	5.0	89045	1.58556	1.238	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1168591	0.85683	1.282	NO	
28	HxCB-169	359.841	46.08	5.0	62351	1.06712	1.221	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	925688	0.67873	1.035	NO	
31	HpCB-180	393.803	44.62	5.0	56871	1.22872	1.063	NO	
32	13C-HpCB-170	405.843	46.61	100.0	738016	0.54112	1.062	NO	
33	HpCB-170	393.803	46.64	5.0	58449	1.58394	1.019	NO	
34	13C-HpCB-189	405.843	48.50	100.0	932310	0.68358	1.049	NO	
35	HpCB-189	393.803	48.51	5.0	56109	1.20366	1.059	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	745327	0.54649	0.715	NO	
38	DeCB-209	495.686	53.73	5.0	48235	1.29433	0.711	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.66	100.0	1588090	1.30561	0.634	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 (9DXN207)

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act.)	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.90	100.0	1175057	11750....	0.634	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1246212	1.06055	0.801	NO	
4	TeCB-81	289.922	33.83	50.0	930081	1.49265	0.723	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1331423	1.13307	0.804	NO	
6	TeCB-77	289.922	34.52	50.0	847939	1.27373	0.727	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1191088	1.01364	0.643	NO	
9	PeCB-123	323.883	36.18	50.0	929234	1.56031	0.615	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1202953	1.02374	0.631	NO	
11	PeCB-118/106	323.883	36.35	50.0	956194	1.58974	0.625	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1229304	1.04616	0.638	NO	
13	PeCB-114	323.883	37.14	50.0	987405	1.60845	0.626	NO	
14	13C PeCB-105	335.924	38.19	100.0	1164813	0.99128	0.637	NO	
15	PeCB-105/127	323.883	38.21	50.0	850622	1.46053	0.610	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1208292	1.02828	0.622	NO	
17	PeCB-126	323.883	40.53	50.0	708636	1.17295	0.622	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1332095	13320....	0.897	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1325323	0.99492	1.279	NO	
22	HxCB-167	359.841	41.88	50.0	929401	1.40253	1.238	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1039105	0.78005	1.292	NO	
24	HxCB-156	359.841	43.46	50.0	895990	1.72464	1.227	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1109688	0.83304	1.283	NO	
26	HxCB-157	359.841	43.85	50.0	943304	1.70012	1.230	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1146831	0.86092	1.284	NO	
28	HxCB-169	359.841	46.08	50.0	635680	1.10859	1.243	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	926647	0.69563	1.034	NO	
31	HpCB-180	393.803	44.62	50.0	599373	1.29364	1.027	NO	
32	13C-HpCB-170	405.843	46.62	100.0	725228	0.54443	1.045	NO	
33	HpCB-170	393.803	46.64	50.0	598461	1.65041	1.043	NO	
34	13C-HpCB-189	405.843	48.50	100.0	930603	0.69960	1.043	NO	
35	HpCB-189	393.803	48.51	50.0	575970	1.23784	1.038	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	733459	0.55061	0.704	NO	
38	DeCB-209	495.686	53.73	50.0	494787	1.34919	0.691	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.67	100.0	1595890	1.33070	0.629	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.89	100.0	1295333	12953...	0.633	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1310582	1.01177	0.780	NO	
4	TeCB-81	289.922	33.82	200.0	3974320	1.51624	0.742	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1385538	1.06964	0.794	NO	
6	TeCB-77	289.922	34.52	200.0	3662737	1.32177	0.723	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1226579	0.94692	0.628	NO	
9	PeCB-123	323.883	36.18	200.0	3838855	1.56486	0.620	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1301955	1.00511	0.639	NO	
11	PeCB-118/106	323.883	36.35	200.0	4007006	1.53884	0.615	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1286568	0.99323	0.644	NO	
13	PeCB-114	323.883	37.14	200.0	4203276	1.63352	0.617	NO	
14	13C-PeCB-105	335.924	38.18	100.0	1235972	0.95417	0.624	NO	
15	PeCB-105/127	323.883	38.21	200.0	3603788	1.45788	0.623	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1300506	1.00399	0.625	NO	
17	PeCB-126	323.883	40.52	200.0	3074213	1.18193	0.615	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1460108	14601...	0.903	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1431091	0.98013	1.291	NO	
22	HxCB-167	359.841	41.88	200.0	3738452	1.30615	1.233	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1116476	0.76465	1.290	NO	
24	HxCB-156	359.841	43.46	200.0	3830700	1.71553	1.223	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1194057	0.81779	1.280	NO	
26	HxCB-157	359.841	43.85	200.0	4035042	1.68964	1.232	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1236150	0.84662	1.277	NO	
28	HxCB-169	359.841	46.06	200.0	2788716	1.12798	1.245	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	970265	0.66452	1.045	NO	
31	HpCB-180	393.803	44.62	200.0	2544786	1.31139	1.039	NO	
32	13C-HpCB-170	405.843	46.61	100.0	776807	0.53202	1.059	NO	
33	HpCB-170	393.803	46.64	200.0	2565555	1.65135	1.038	NO	
34	13C-HpCB-189	405.843	48.48	100.0	978294	0.67001	1.033	NO	
35	HpCB-189	393.803	48.51	200.0	2441050	1.24761	1.041	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	801083	0.54865	0.706	NO	
38	DeCB-209	495.686	53.73	200.0	2145217	1.33895	0.696	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.65	100.0	1659357	1.30626	0.623	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1299028	12990....	0.636	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1351021	1.04002	0.809	NO	
4	TeCB-81	289.922	33.82	500.0	10467538	1.54957	0.737	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1453148	1.11864	0.802	NO	
6	TeCB-77	289.922	34.52	500.0	9342494	1.28583	0.722	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1287591	0.99120	0.632	NO	
9	PeCB-123	323.883	36.18	500.0	10139770	1.57500	0.616	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1328216	1.02247	0.649	NO	
11	PeCB-118/106	323.883	36.35	500.0	10574689	1.59231	0.621	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1362567	1.04891	0.632	NO	
13	PeCB-114	323.883	37.15	500.0	11181883	1.64130	0.625	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1270123	0.97775	0.646	NO	
15	PeCB-105/127	323.883	38.21	500.0	9435282	1.48573	0.621	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1336400	1.02877	0.628	NO	
17	PeCB-126	323.883	40.53	500.0	8075162	1.20849	0.619	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1486089	14860....	0.895	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1517183	1.02092	1.289	NO	
22	HxCB-167	359.841	41.88	500.0	10605261	1.39802	1.234	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1183364	0.79629	1.304	NO	
24	HxCB-156	359.841	43.46	500.0	10238996	1.73049	1.242	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1255009	0.84450	1.295	NO	
26	HxCB-157	359.841	43.85	500.0	10733652	1.71053	1.230	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1314059	0.88424	1.276	NO	
28	HxCB-169	359.841	46.08	500.0	7303533	1.11160	1.218	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	1014969	0.68298	1.046	NO	
31	HpCB-180	393.803	44.64	500.0	6752054	1.33049	1.042	NO	
32	13C-HpCB-170	405.843	46.62	100.0	827947	0.55713	1.061	NO	
33	HpCB-170	393.803	46.64	500.0	6789976	1.64019	1.040	NO	
34	13C-HpCB-189	405.843	48.50	100.0	1042716	0.70165	1.045	NO	
35	HpCB-189	393.803	48.51	500.0	6512169	1.24908	1.047	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	841659	0.56636	0.703	NO	
38	DeCB-209	495.686	53.73	500.0	5672044	1.34782	0.701	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.67	100.0	1673672	1.27084	0.628	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Sample List: C:\MassLynx\Default.pro\Sampledb\16JL0910D5.SPL  
Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1	16JL0910D5_1	Solvent Blank C-12	SB0716	---	---	1.000000	---	1.00
2	16JL0910D5_2	CS-1 09DXN205	ST0716	---	---	1.000000	---	1.00
3	16JL0910D5_3	CS-2 09DXN206	ST0716A	---	---	1.000000	---	1.00
4	16JL0910D5_4	CS-3 09DXN207	ST0716B	---	---	1.000000	---	1.00
5	16JL0910D5_5	CS-4 09DXN208	ST0716C	---	---	1.000000	---	1.00
6	16JL0910D5_6	CS-5 09DXN209	ST0716D	---	---	1.000000	---	1.00
7	16JL0910D5_7	Solvent Blank C-12	SB0716A	---	---	1.000000	---	1.00
8	16JL0910D5_8	2nd Source 09DXN196	ST0716E	1668	---	1.000000	---	1.00
9	16JL0910D5_9	CS-3 09DXN207	ST0716F	---	---	1.000000	---	1.00
10	16JL0910D5_10	Solvent Blank C-12	SB0716B	---	---	1.000000	---	1.00
11	16JL0910D5_11	G9G020271-1MB	LF612-1-AAB	1668/SOLID	89	10.000000	g	20
12	16JL0910D5_12	G9G020271-1LCS	LF612-1-ACC	1668/SOLID	---	10.000000	g	20
13	16JL0910D5_13	G9G020271-1	LF16J-1-AC	1668/SOLID	---	10.030000	g	20
14	16JL0910D5_14	G9G020271-2	LF16K-1-AC	1668/SOLID	---	10.075000	g	20
15	16JL0910D5_15	G9G020271-3	LF16L-1-AC	1668/SOLID	---	10.450000	g	20
16	16JL0910D5_16	G9G020275-1	LF162-1-AC	1668/SOLID	---	10.195000	g	20
17	16JL0910D5_17	G9G020275-2	LF166-1-AC	1668/SOLID	---	10.225000	g	20
18	16JL0910D5_18	G9G020275-3	LF168-1-AC	1668/SOLID	---	10.205000	g	20
19	16JL0910D5_19	G9G020275-4	LF169-1-AC	1668/SOLID	---	10.085000	g	20
20	16JL0910D5_20	G9G020280-1	LF172-1-AC	1668/SOLID	---	10.265000	g	20
21	16JL0910D5_21	G9G020280-2	LF174-1-AC	1668/SOLID	---	10.340000	g	20
22	16JL0910D5_22	G9G020280-3	LF176-1-AC	1668/SOLID	---	10.040000	g	20
23	16JL0910D5_23	Solvent Blank C-12	SB0716C	---	---	1.000000	---	1.00

reviewed  
by  
ms  
7/17/09

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\16JL0910D5.SPL  
 Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
 Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page 2 of 3

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:2	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	1	2	100	100
Tray1:3	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	5	10	100	100
Tray1:4	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:5	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	200	400	100	100
Tray1:6	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	500	1000	100	100
Tray1:7	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:10	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:11	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:16	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\16JL0910D5.SPL  
Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page 3 of 3

Page Position (3, 1)

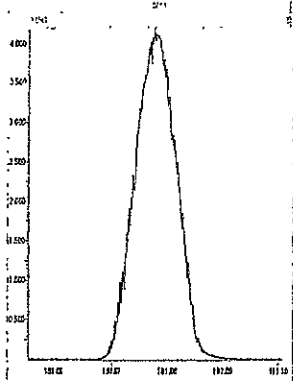
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100	---	---	---
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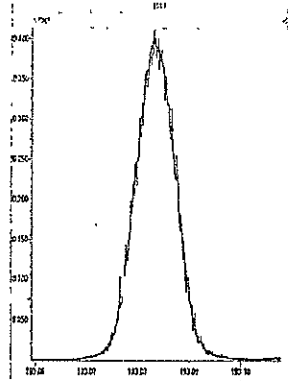
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Printed: Thursday, July 16, 2009 11:39:37 Pacific Daylight Time

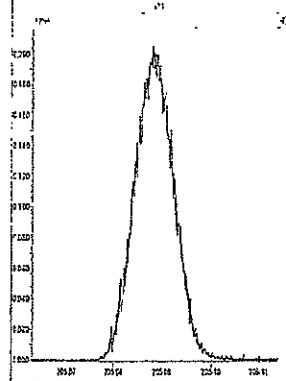
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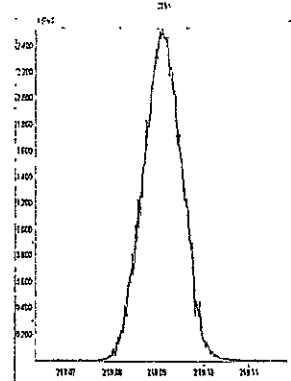
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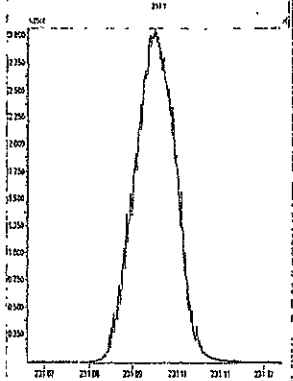
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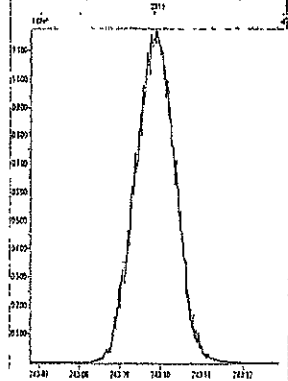
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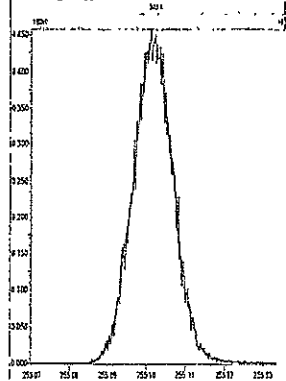
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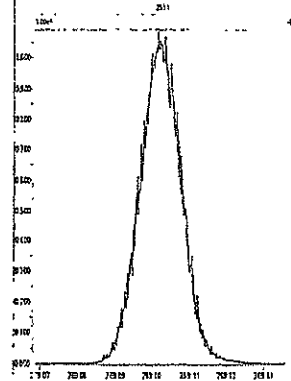
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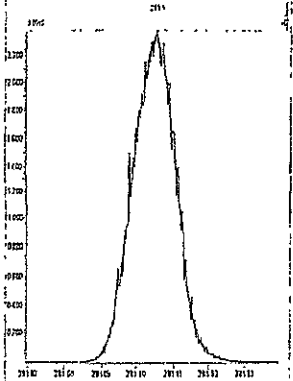
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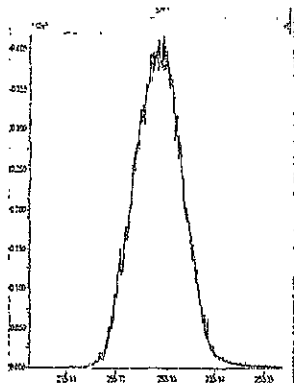
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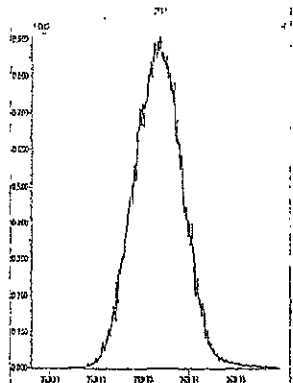
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Printed: Thursday, July 16, 2009 11:40:41 Pacific Daylight Time

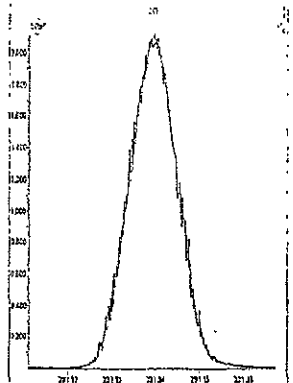
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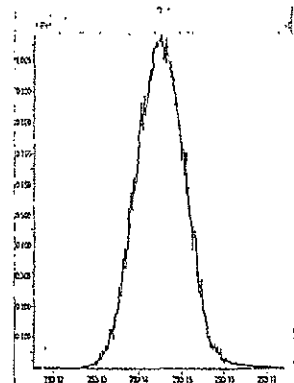
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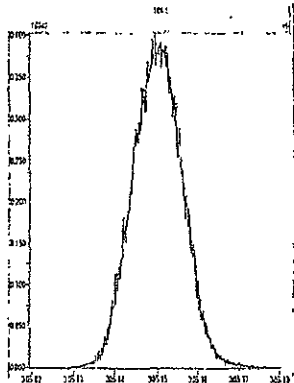
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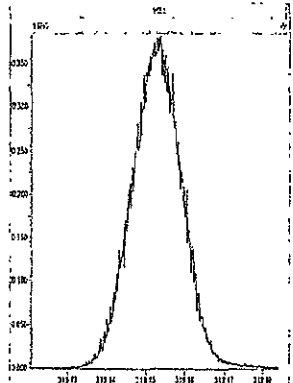
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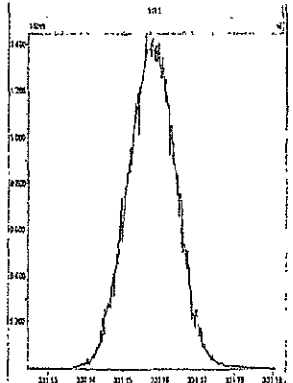
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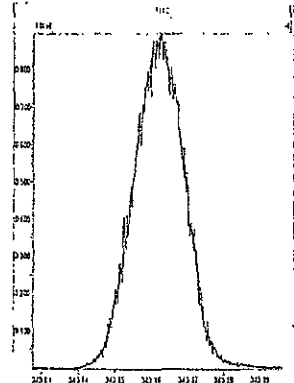
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M 330.9792 R 11063



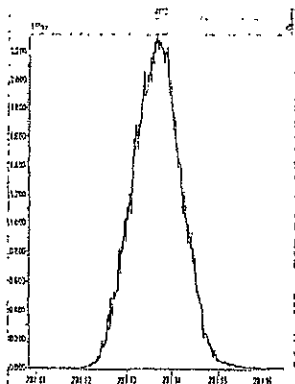
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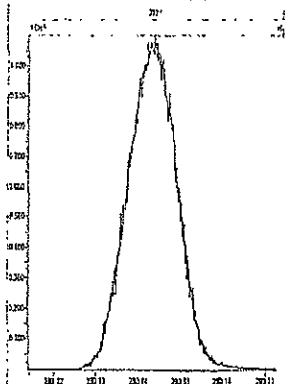
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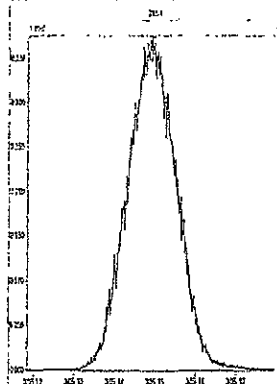
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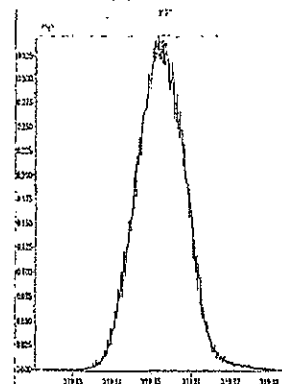
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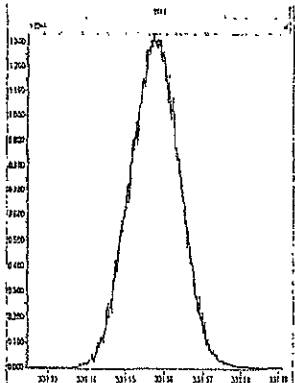
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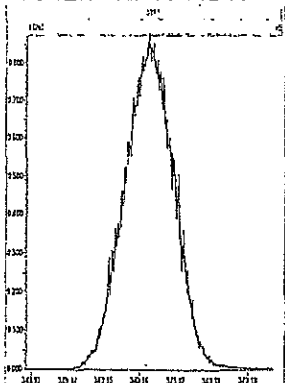
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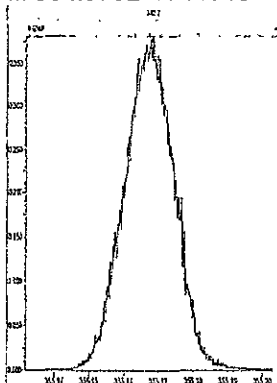
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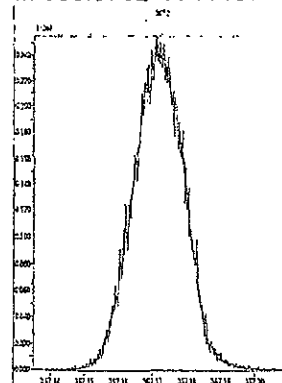
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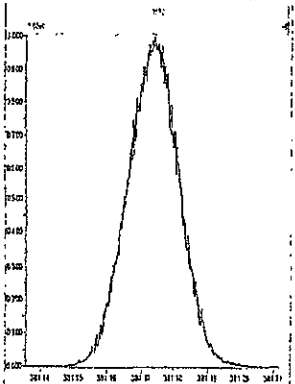
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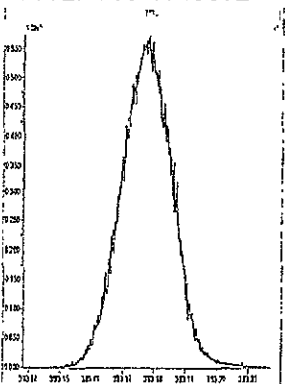
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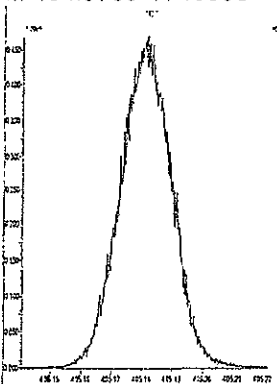
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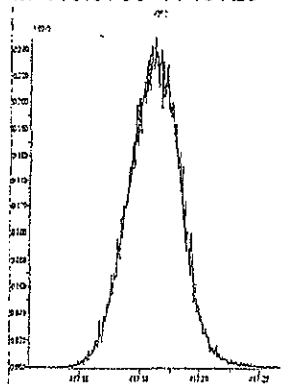
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M 404.9760 R 10505



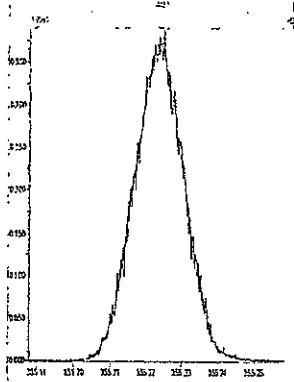
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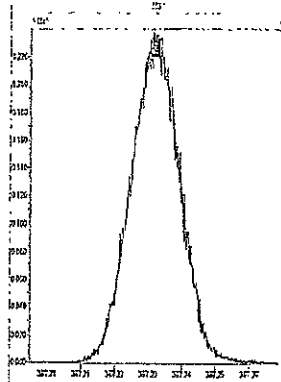
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Printed: Thursday, July 16, 2009 11:42:47 Pacific Daylight Time

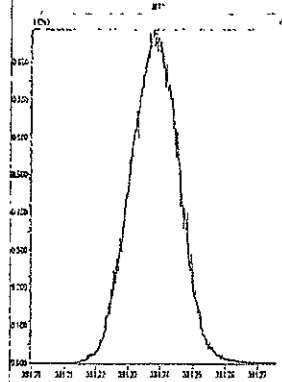
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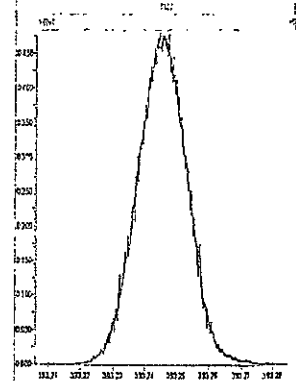
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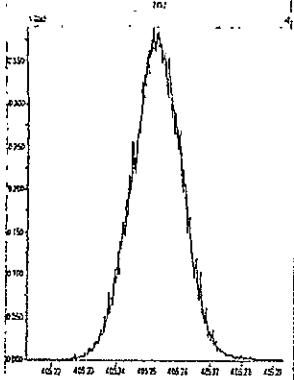
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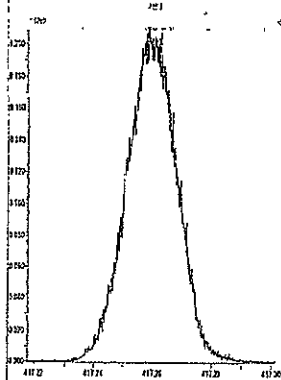
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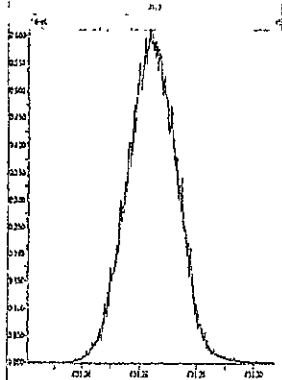
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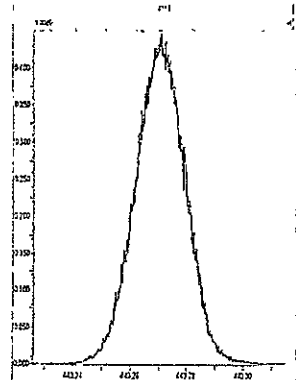
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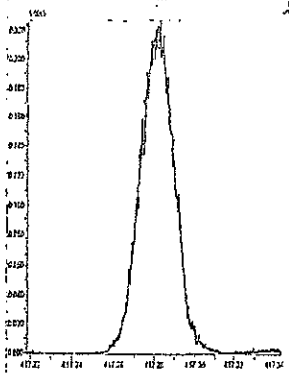
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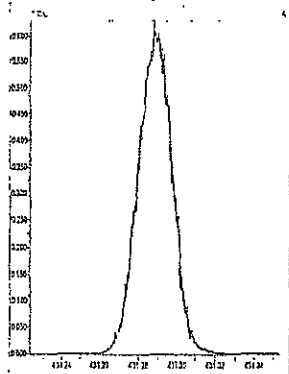
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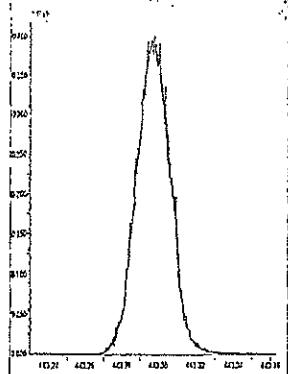
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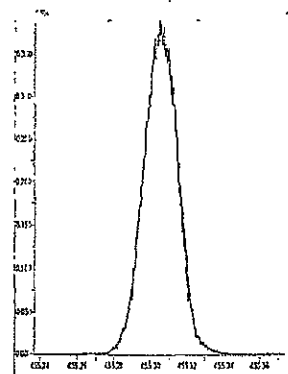
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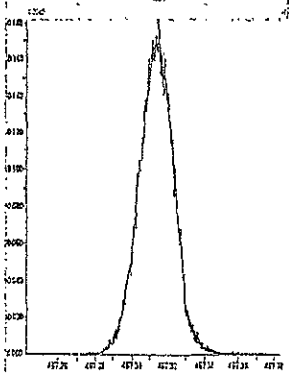
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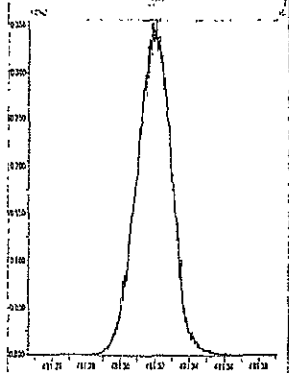
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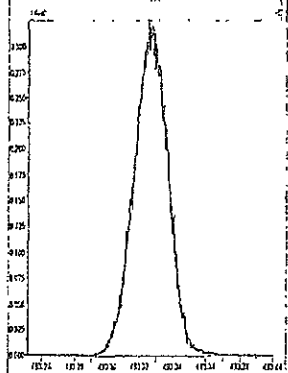
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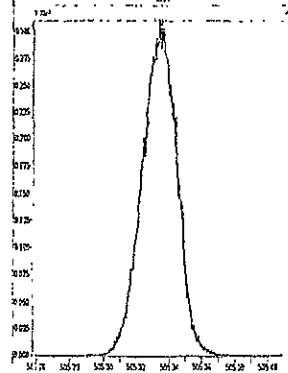
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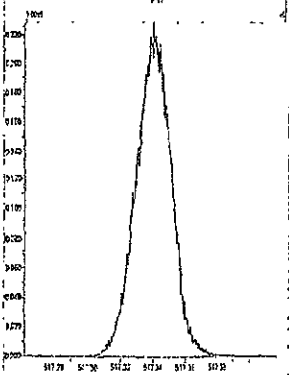
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M 504.9696 R 10617



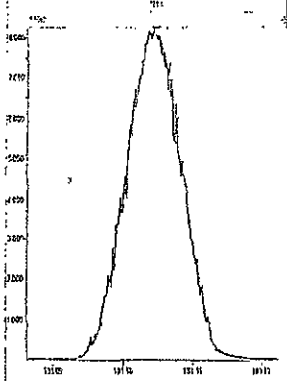
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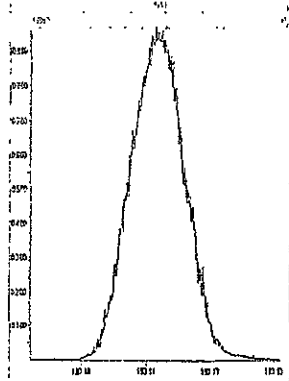
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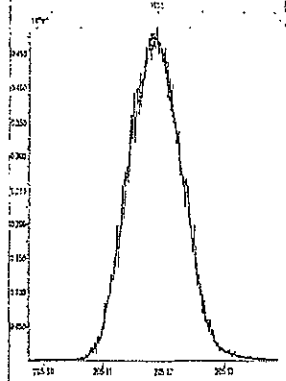
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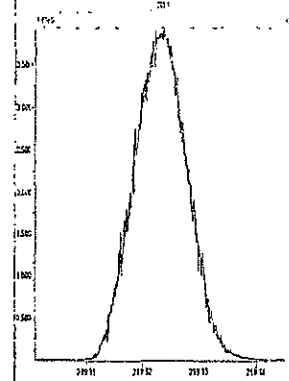
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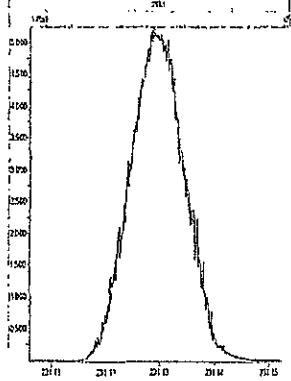
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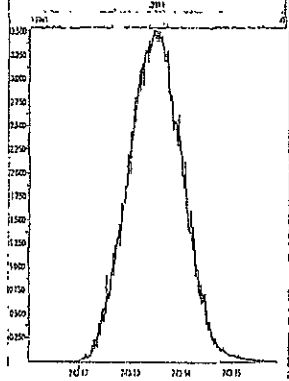
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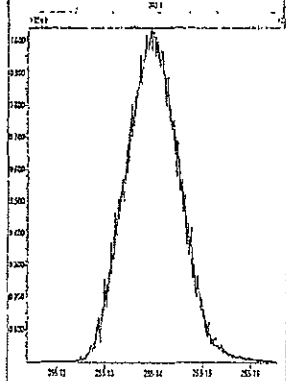
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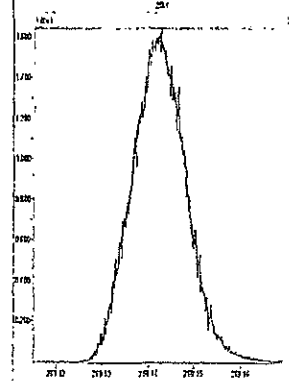
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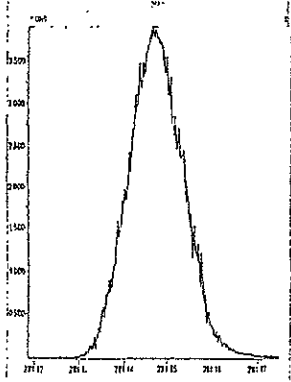
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M 268.9824 R 10039



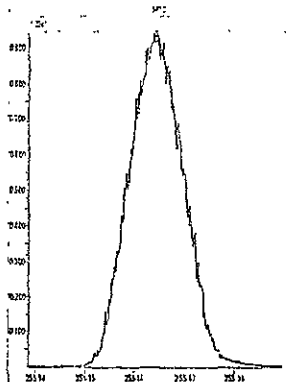
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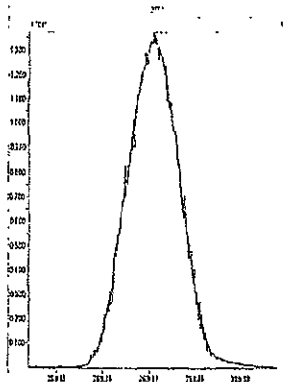
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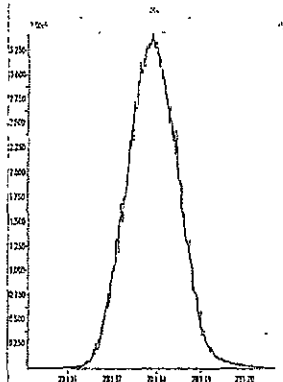
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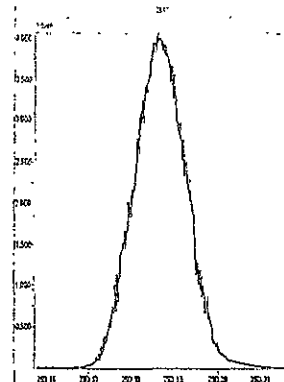
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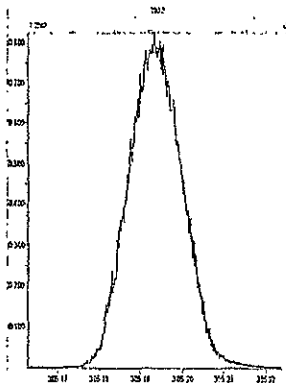
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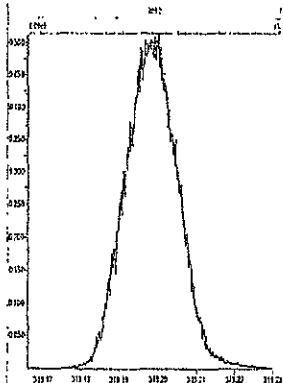
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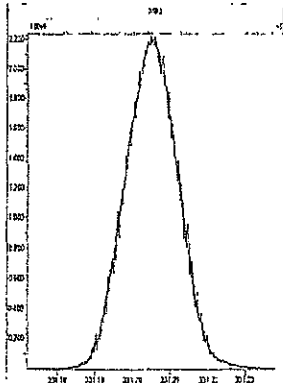
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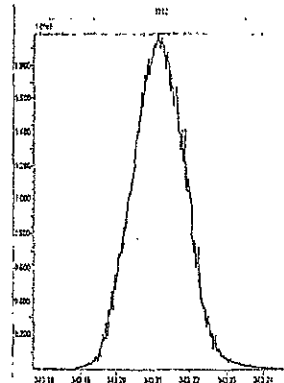
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M 330.9792 R 10872



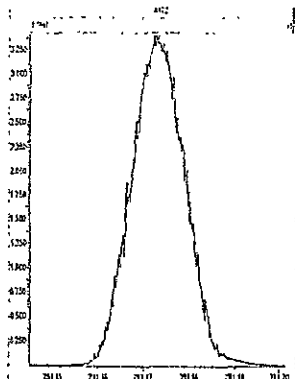
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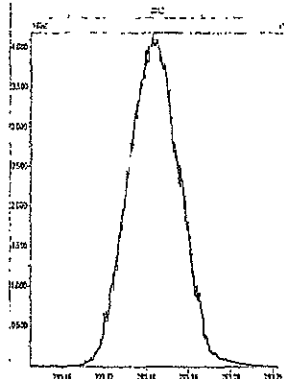
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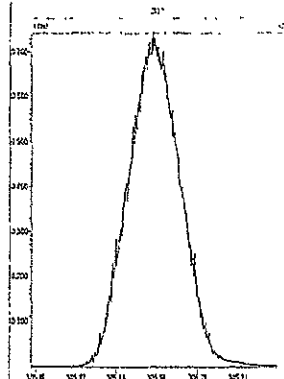
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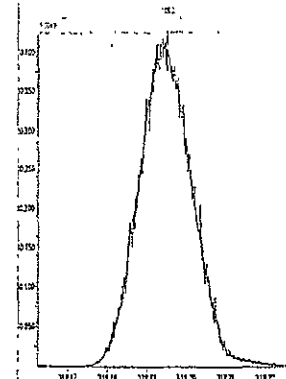
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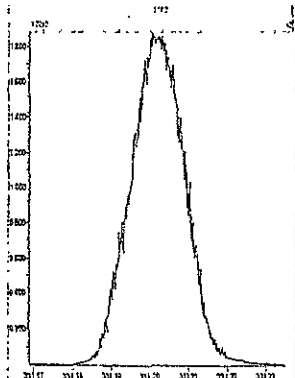
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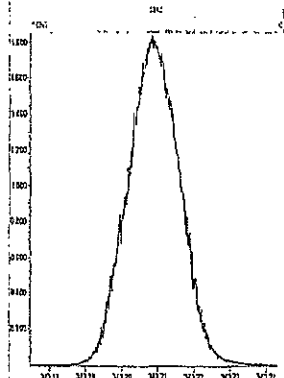
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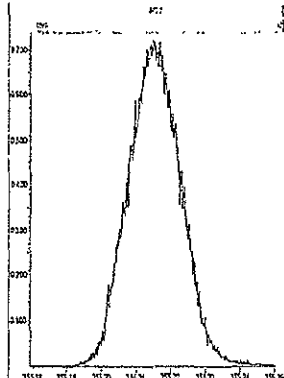
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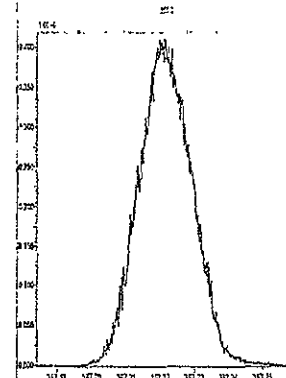
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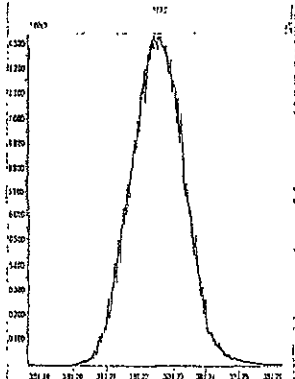
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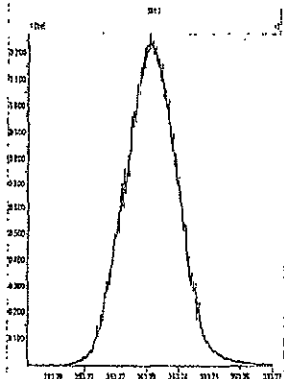
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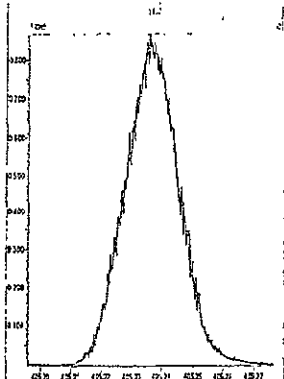
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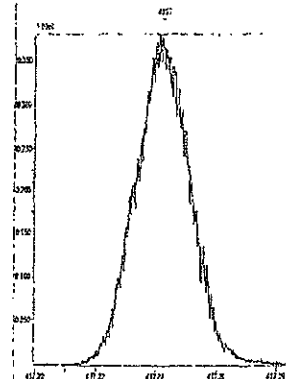
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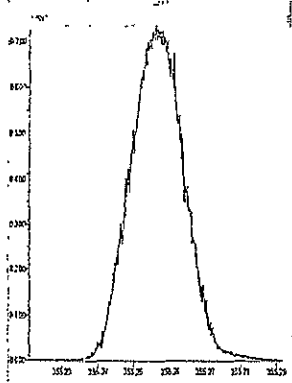




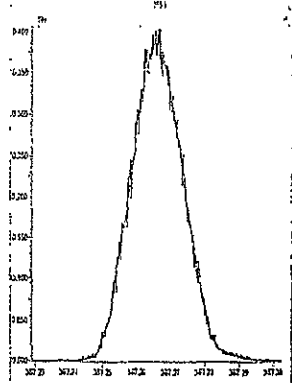
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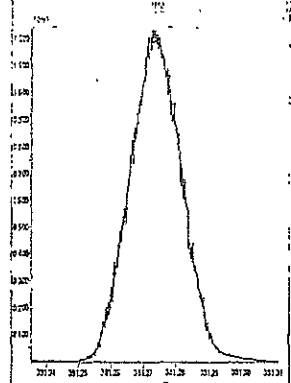
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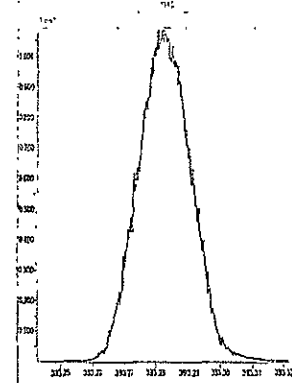
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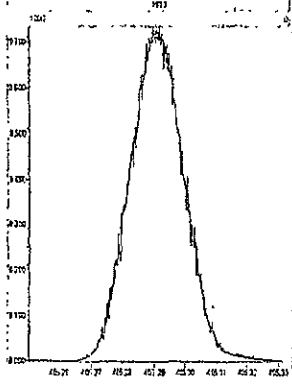
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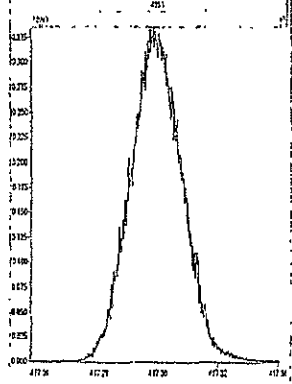
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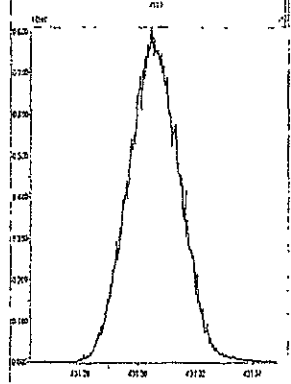
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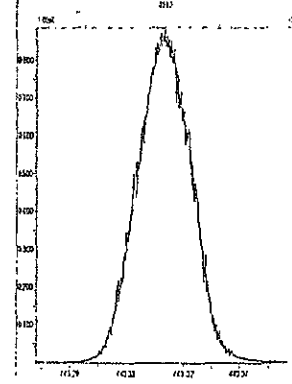
M 416.9760 R 10728



M 430.9728 R 10415



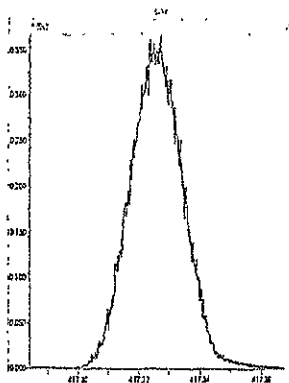
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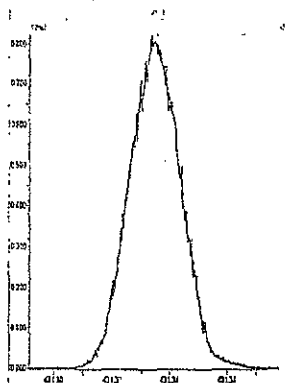
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Printed: Thursday, July 16, 2009 20:34:38 Pacific Daylight Time

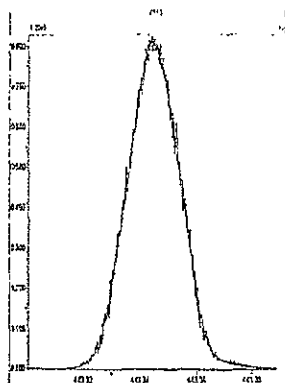
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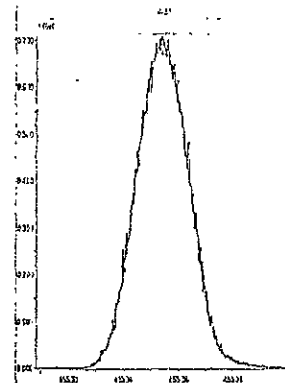
M 430.9728 R 10728



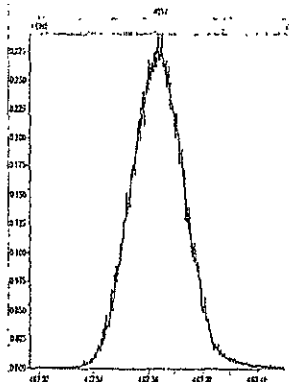
M 442.9728 R 10918



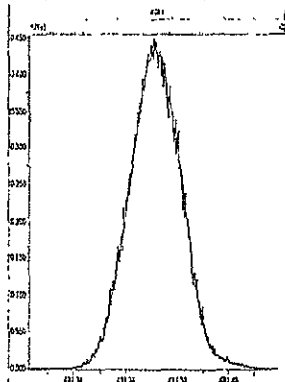
M 454.9728 R 10460



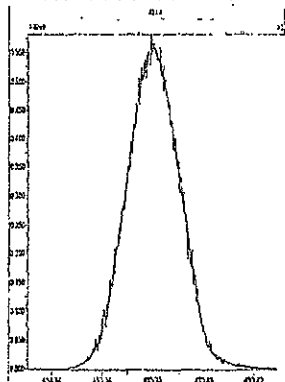
M 466.9728 R 10416



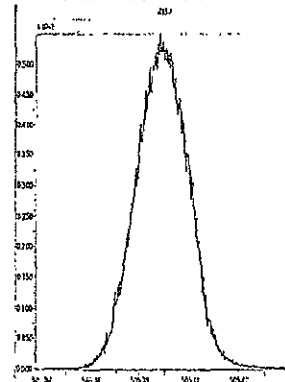
M 480.9696 R 10415



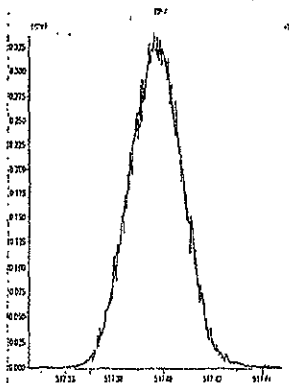
M 492.9696 R 10458



M 504.9696 R 10638



M 516.9697 R 10206



Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Method: C:\MassLynx\Default\prol\Methodb1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19  
Calibration: C:\MassLynx\Default\prol\CurveDb\CA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

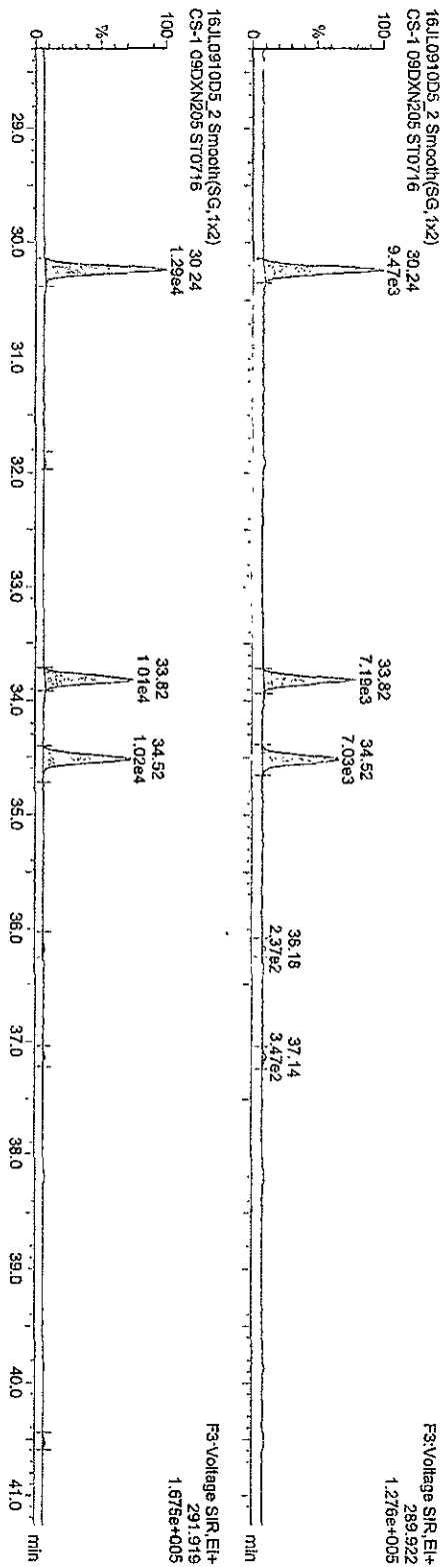
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Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSLDEC.qid

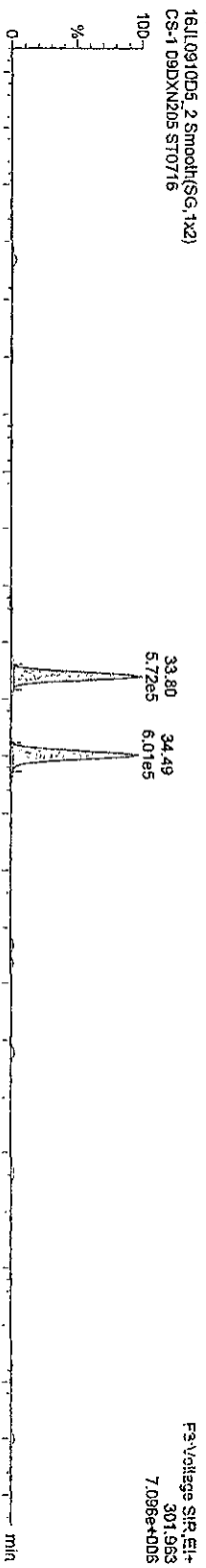
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

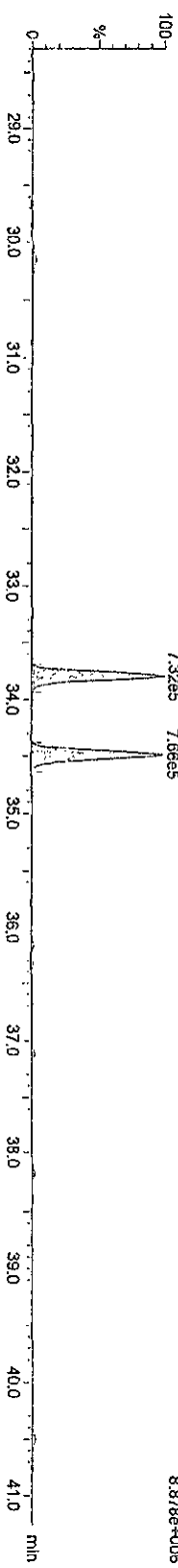
TetraPCBs



13C-14traspCBs



16JUL0910D5\_2 Smooth(SG, 1x2)

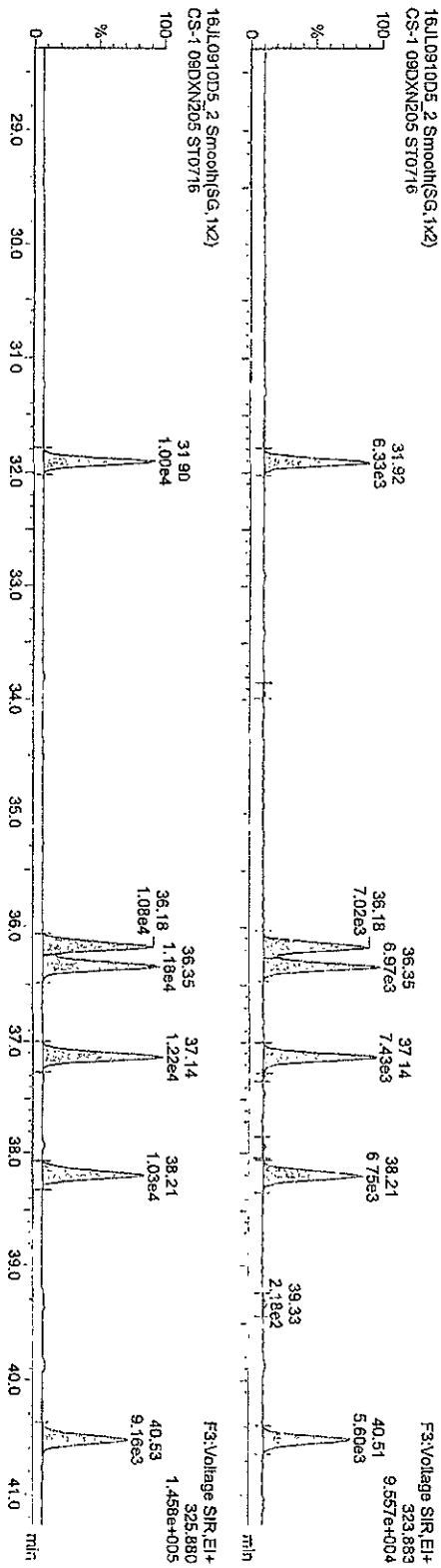


Dataset: C:\Masslynx\Default\prof\CA0716200910D51668MSLDEC.qld

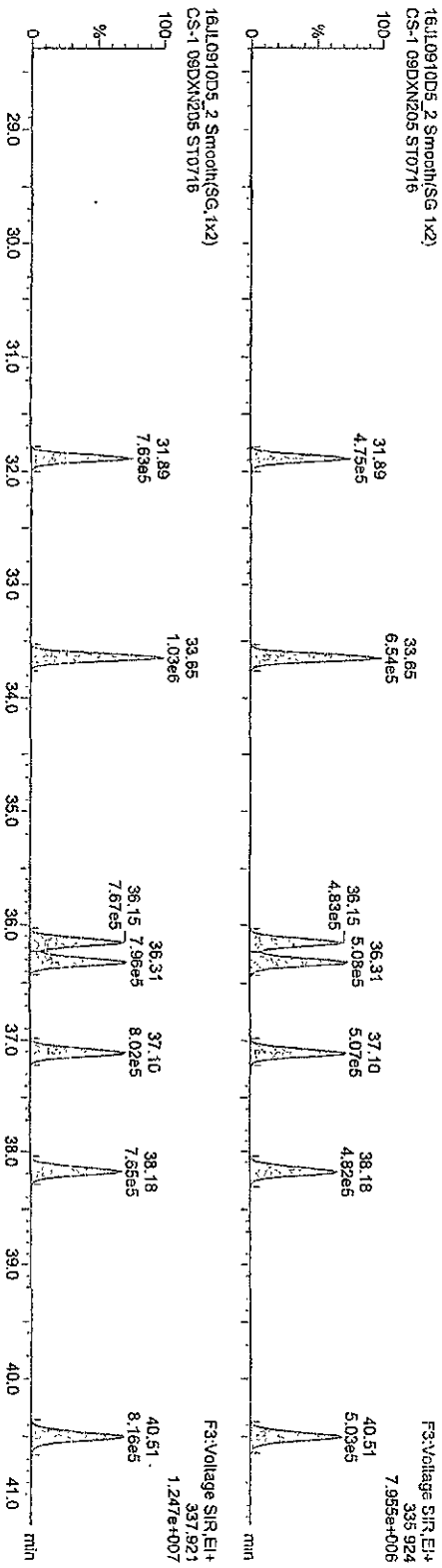
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

PePCBs



13C-PePCBs

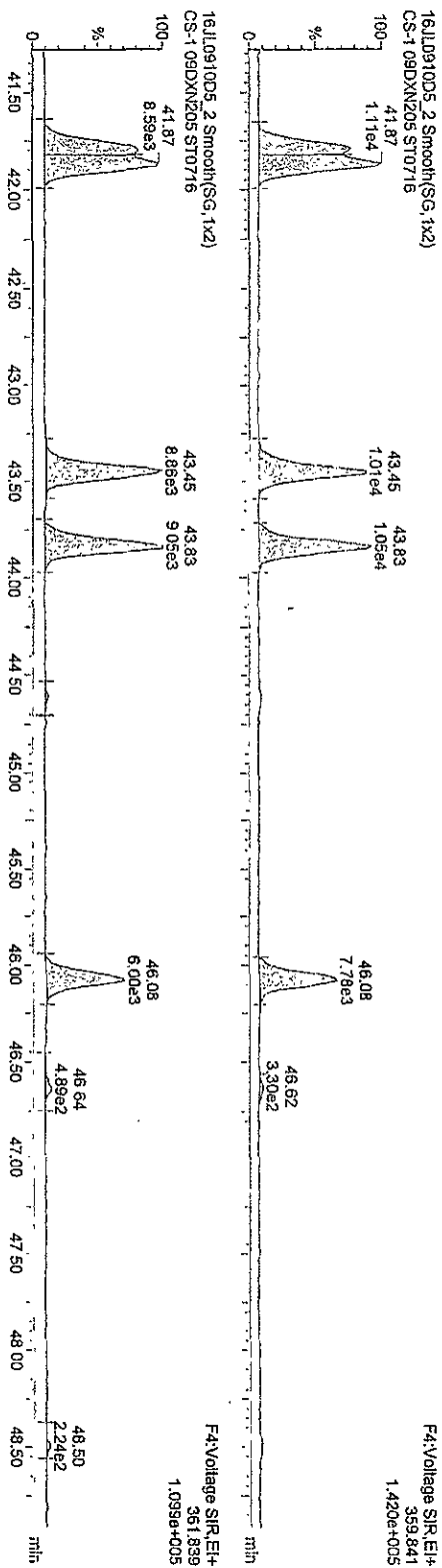


Dataset: C:\Masslynx\Default\pro\CA0716200910D51668MSLDEC.qld

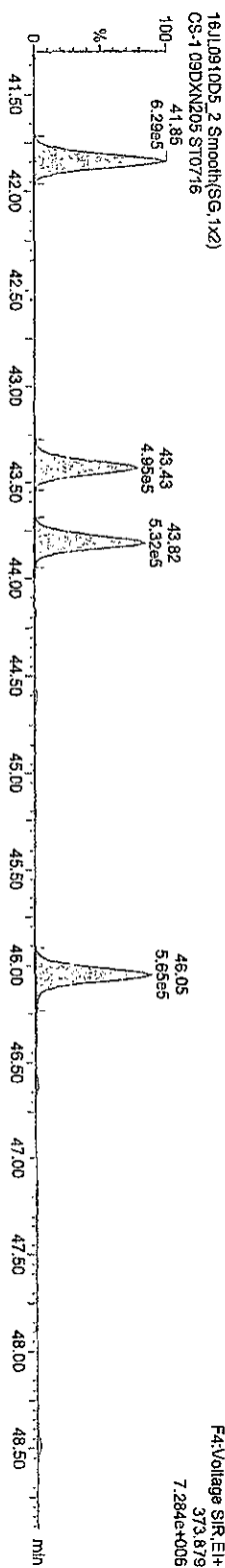
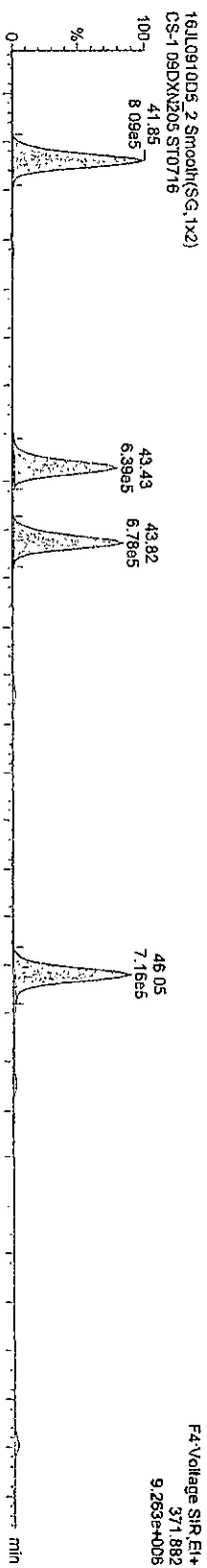
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

HXPCBs-



13C-HXPCBs

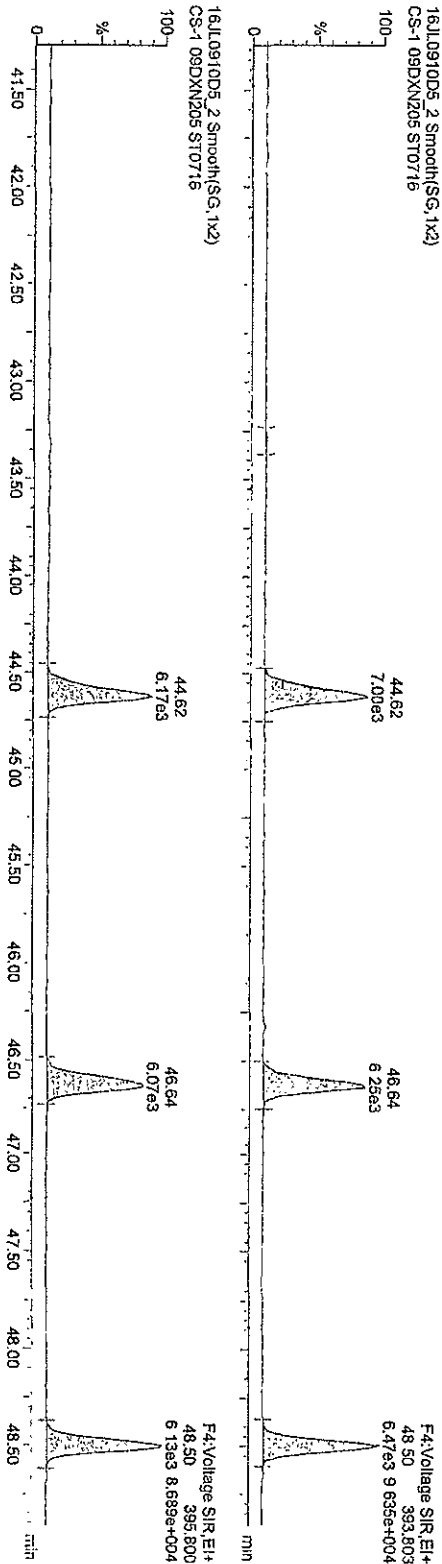


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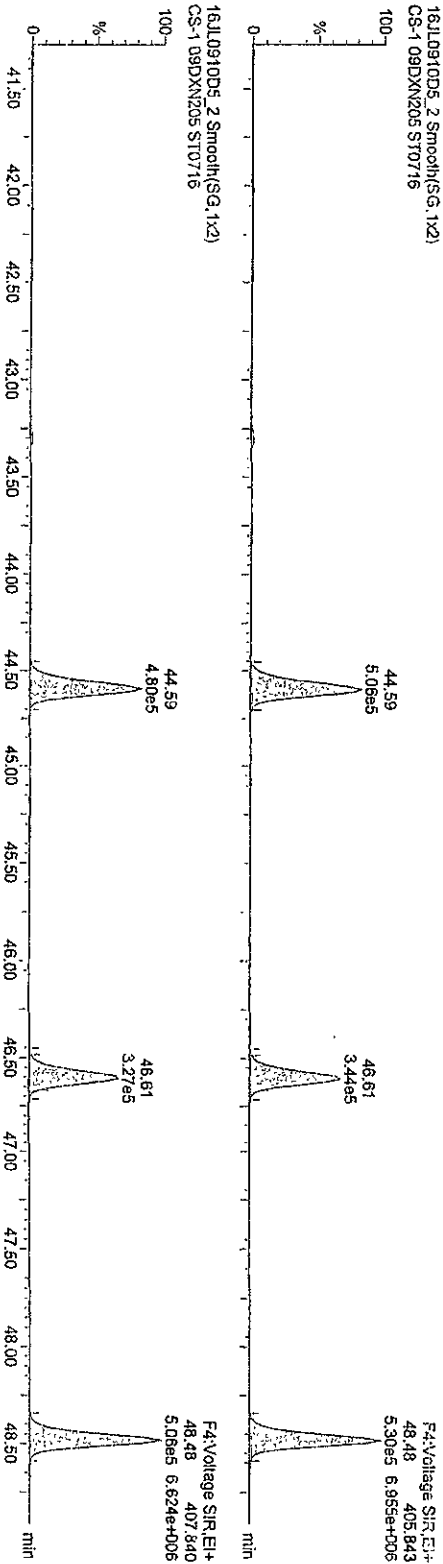
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HPPCBs



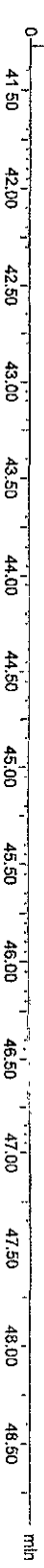
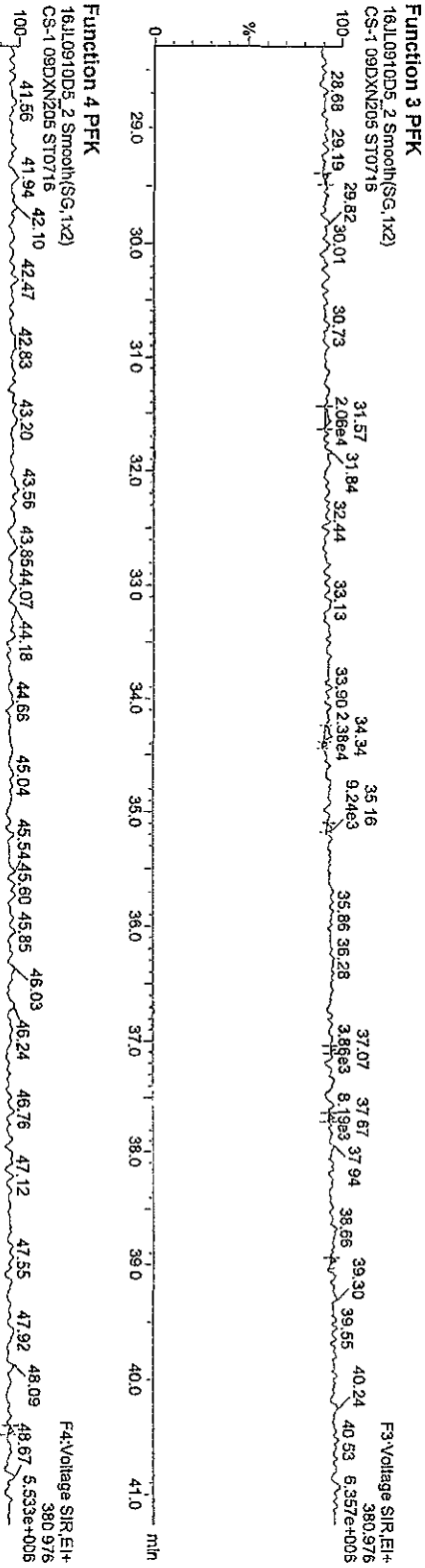
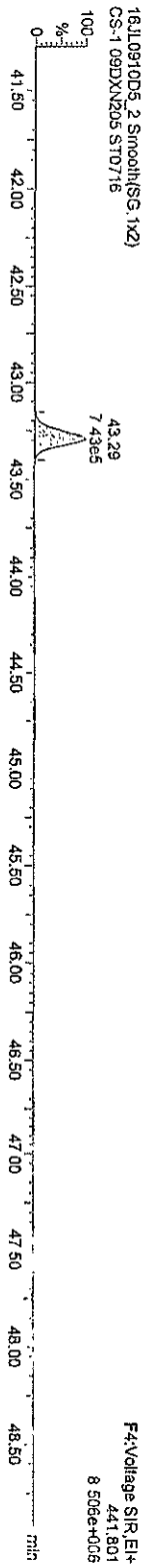
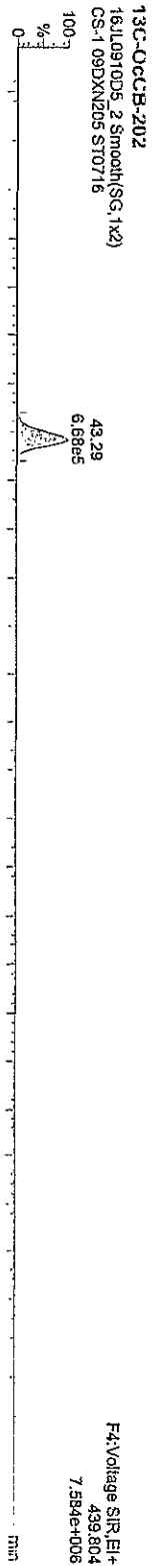
13C-HPPCBs



Dataset C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

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Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205



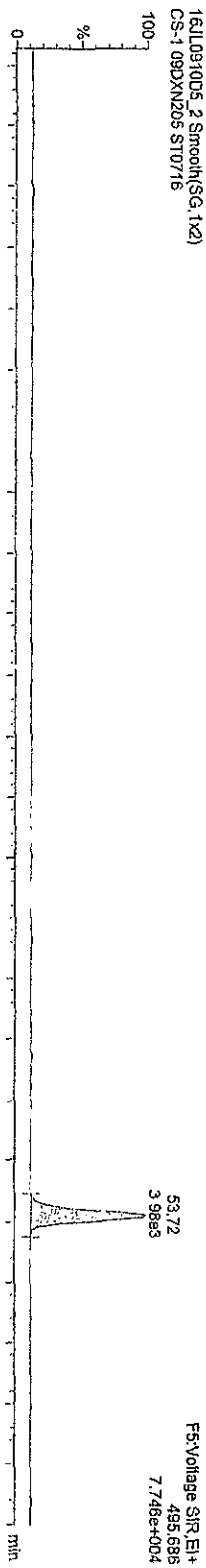


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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

DecB-209  
16JL0910D5\_2.Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716

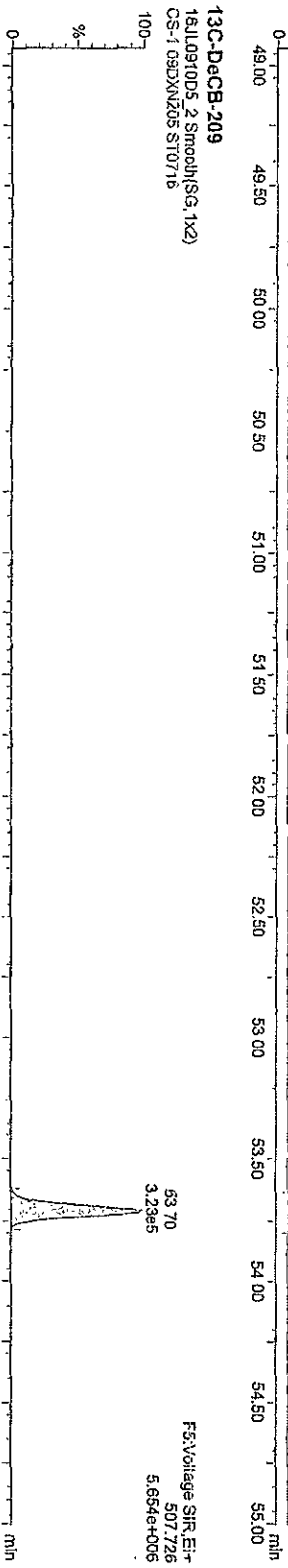


16JL0910D5\_2.Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716

53.72  
3.99e3

FS:Voltage SIR, EI+  
497.883  
1.117e+005

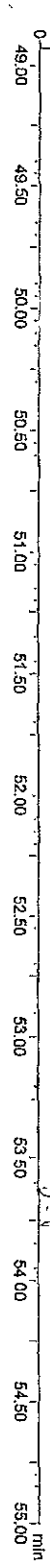
13C-DecB-209  
16JL0910D5\_2.Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



16JL0910D5\_2.Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716

53.70  
3.23e5

FS:Voltage SIR, EI+  
509.723  
8.123e+006



16JL0910D5\_2.Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716

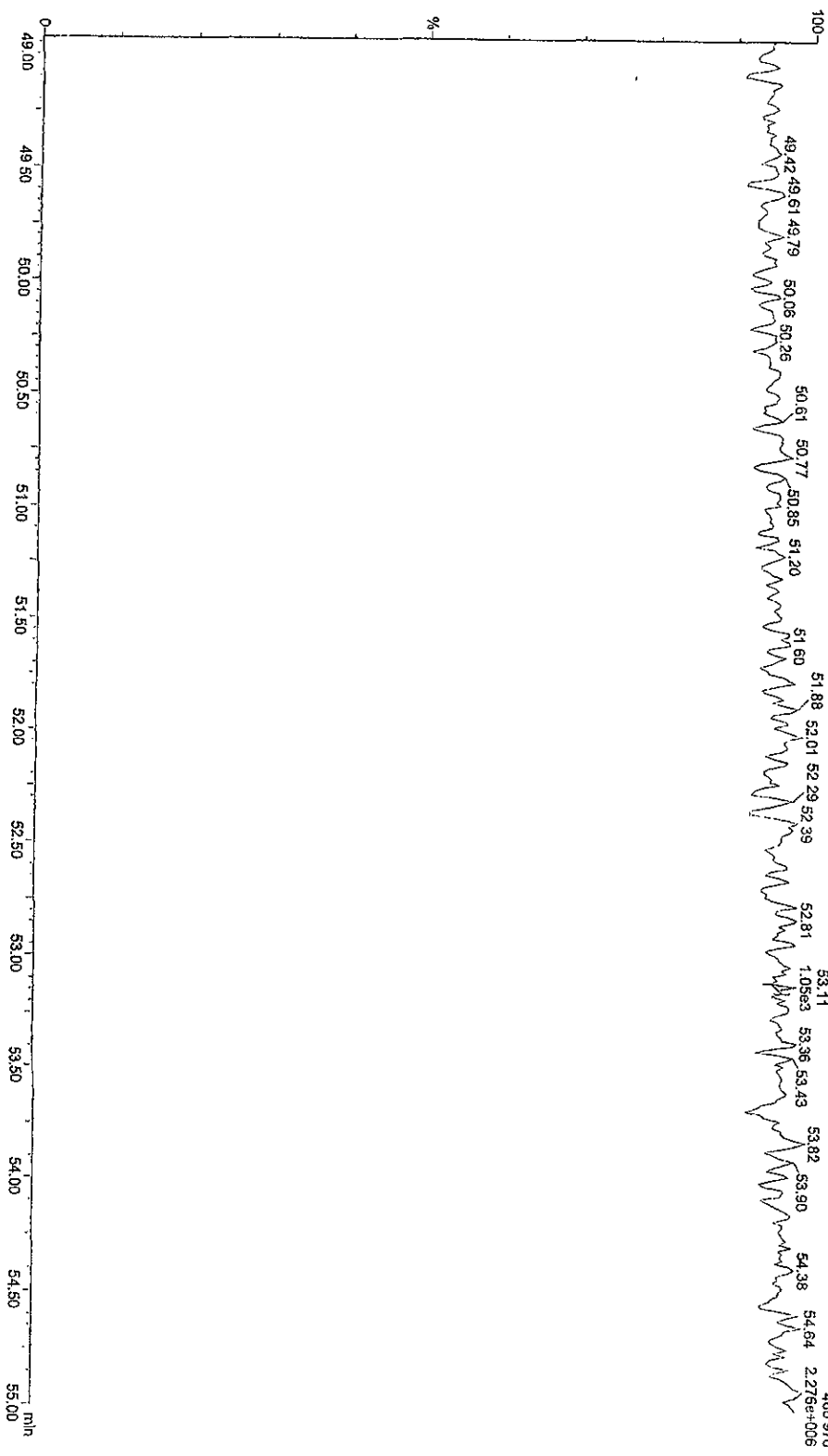
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Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
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Name: 16-Jul-0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

Function 5 PFK  
16-Jul-0910D5\_2 Smooth(SG,1x2)  
CS-1 09DXN205 ST0716



Quantify Sample Report      Masslynx 4.1

Page 9 of 40

Dataset:      C:\Masslynx\Default\prol\CA0716200910D51668MSLDEC.qtd

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Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

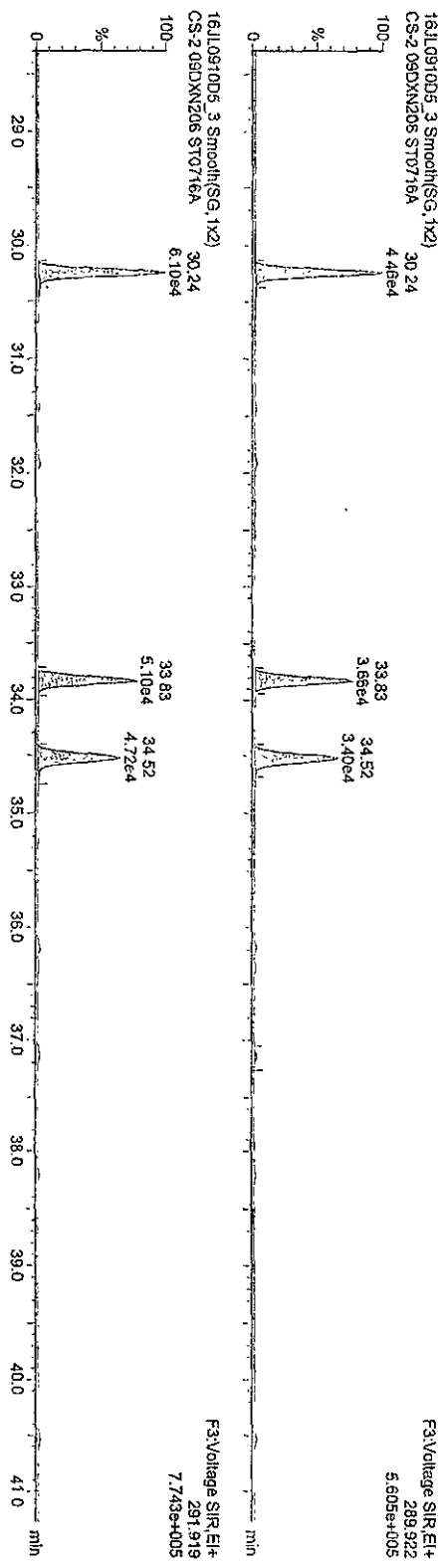
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Dataset: C:\Masslynx\Default\prof\CA0716200910D51668\SLDEC.qld

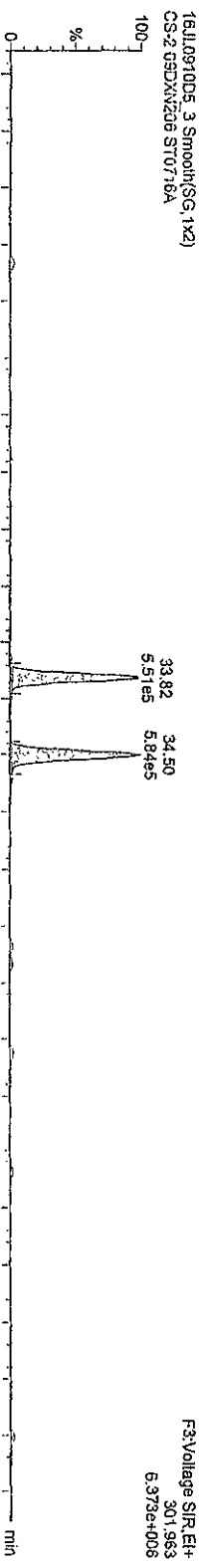
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

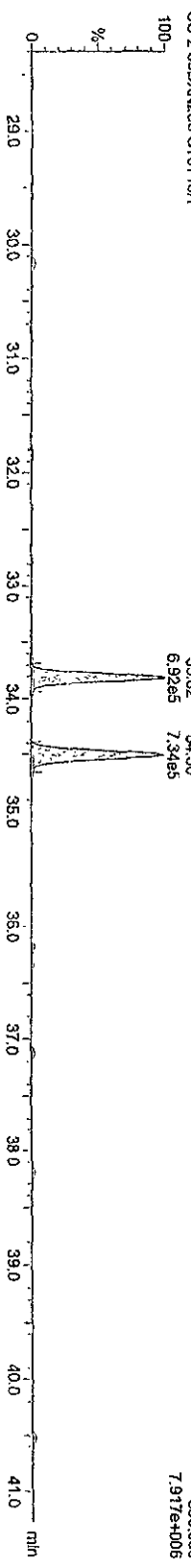
TetraPCBs



13C-TetraPCBs



16JUL0910D5\_3 Smooth(SG, 1x2)

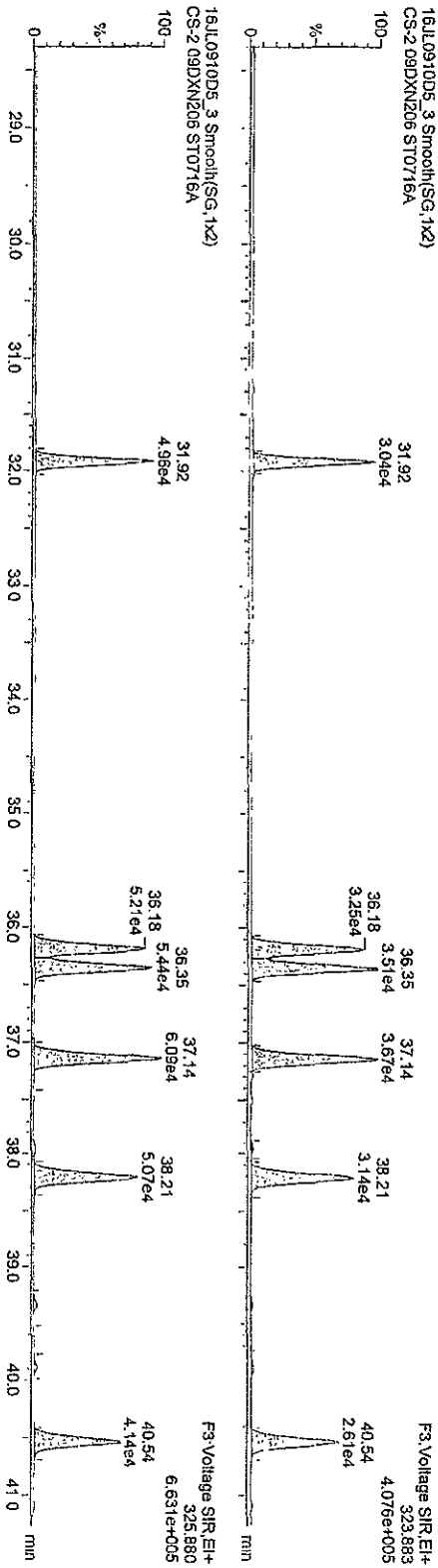


Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

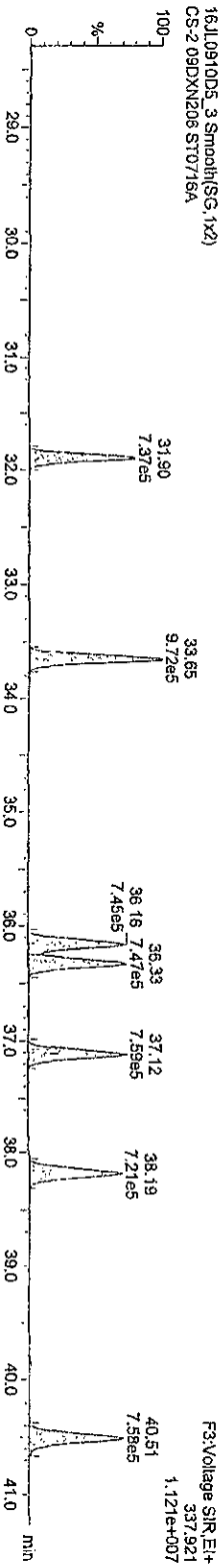
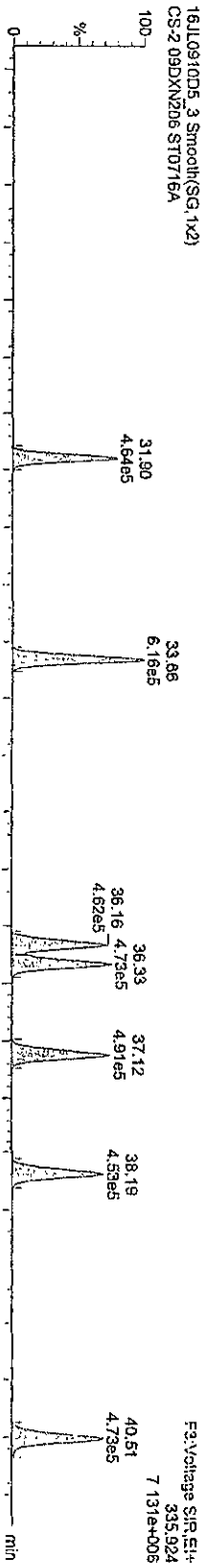
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16Jul0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

PePCBs



13C-PePCBs

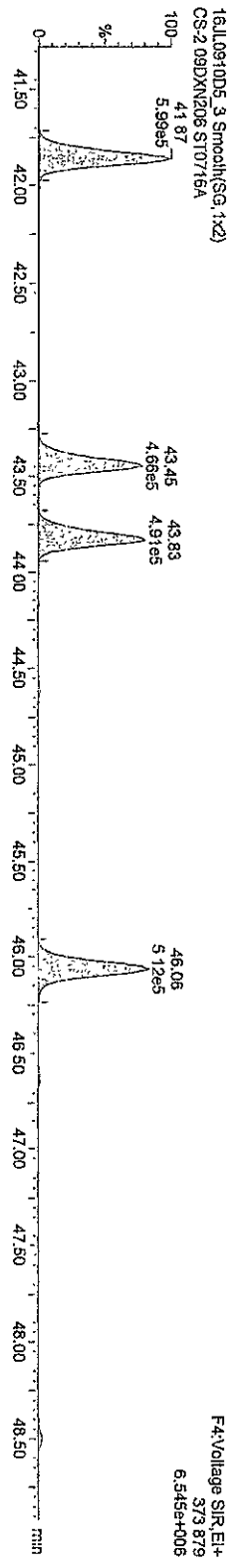
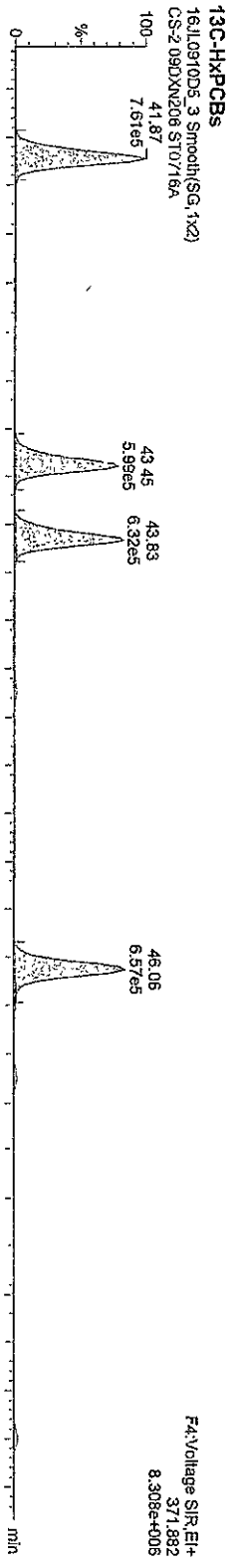
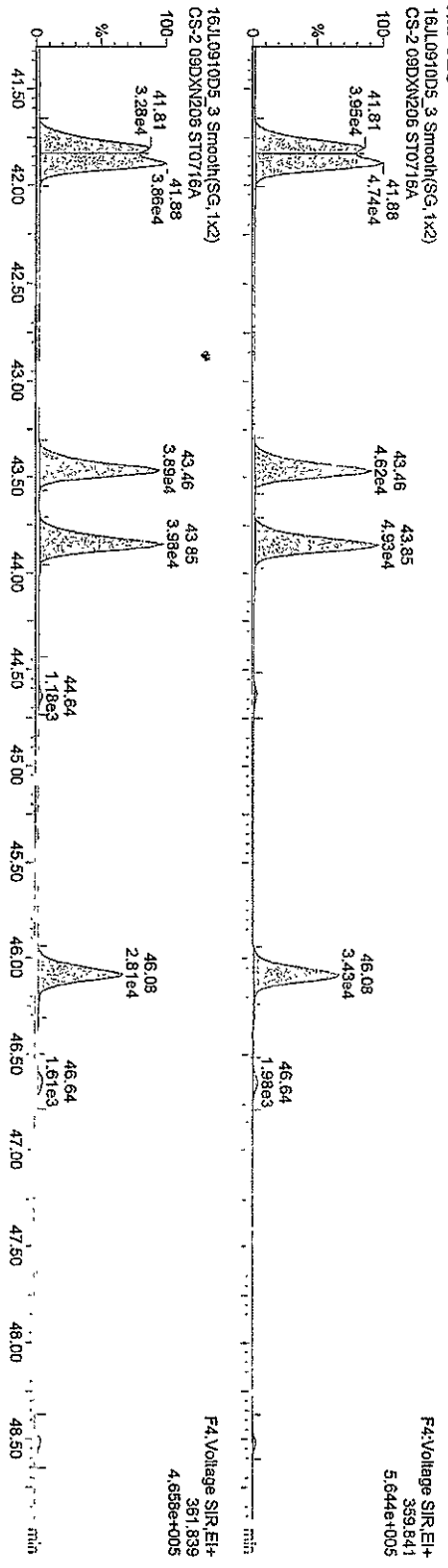


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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

HXP-CBS-



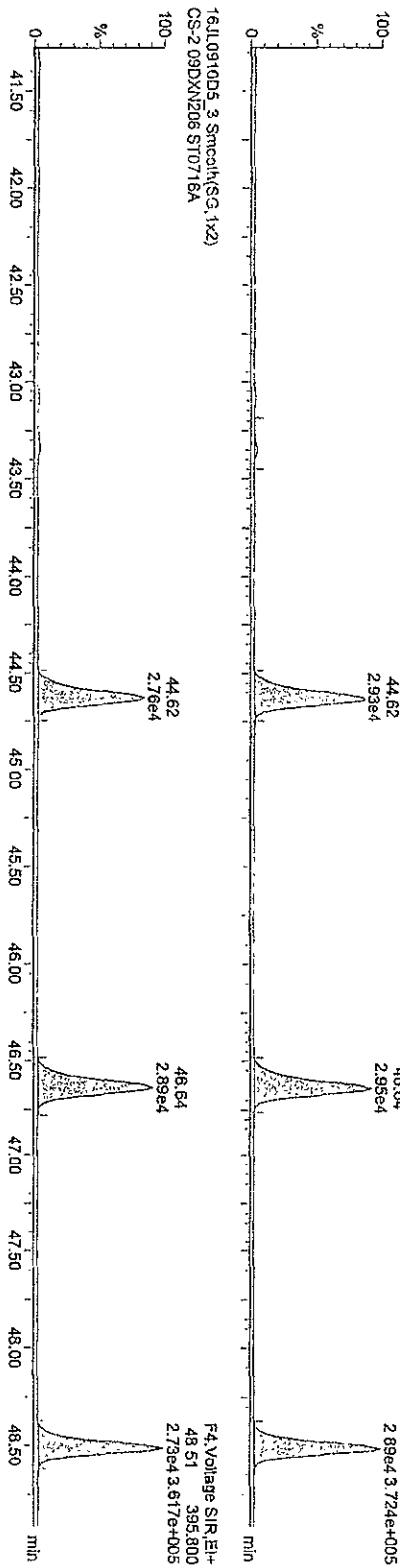
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
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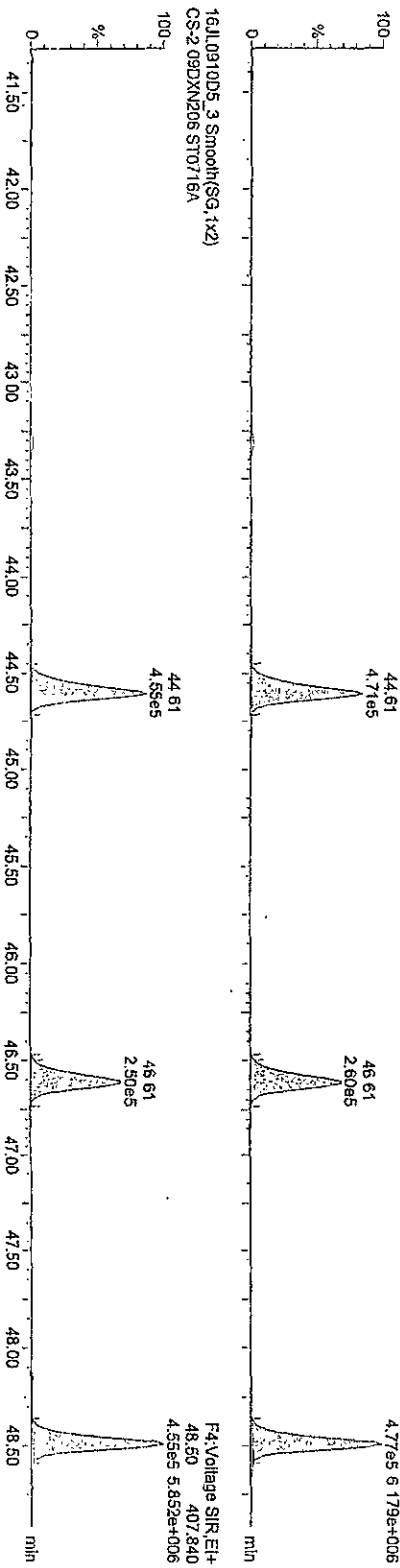
HPPCBs

16JL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXNN206 ST0716A



13C-HPPCBs

16JL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXNN206 ST0716A

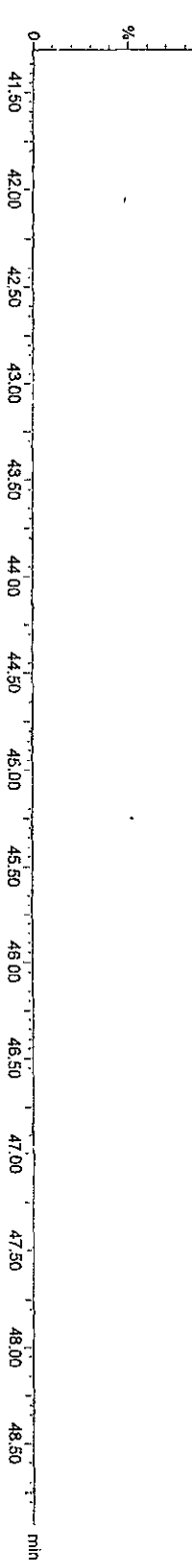
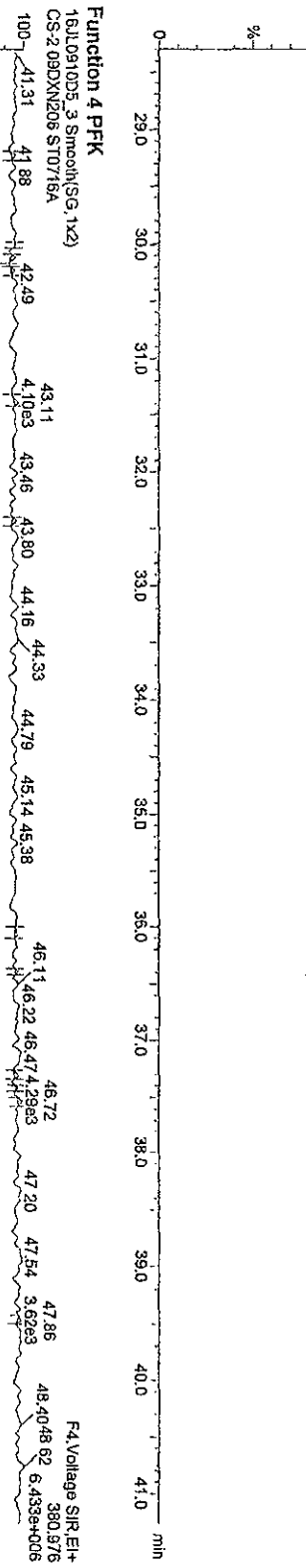
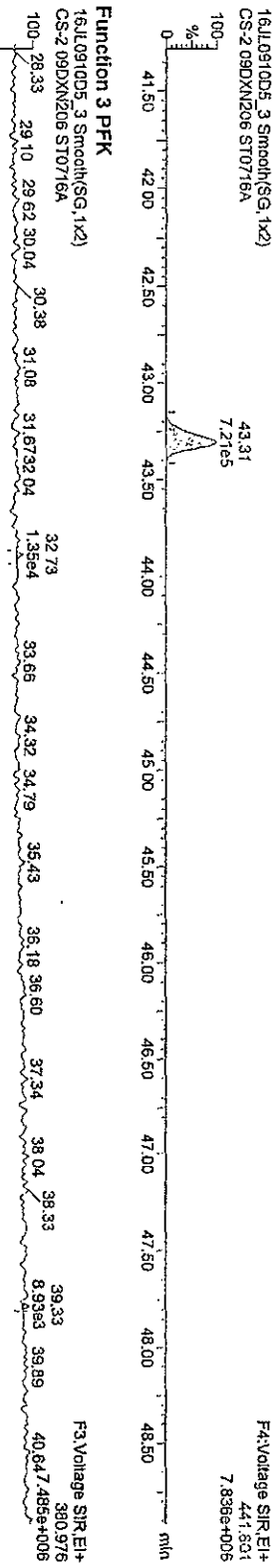
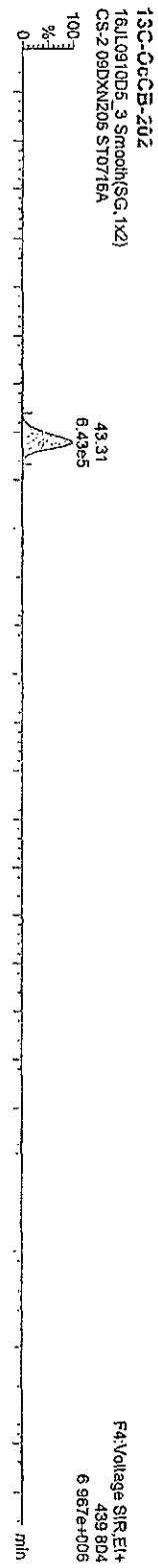


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Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206





Dataset: C:\MassLynx\Default\prof\CA0716200910D51668MSLDEC.qtd

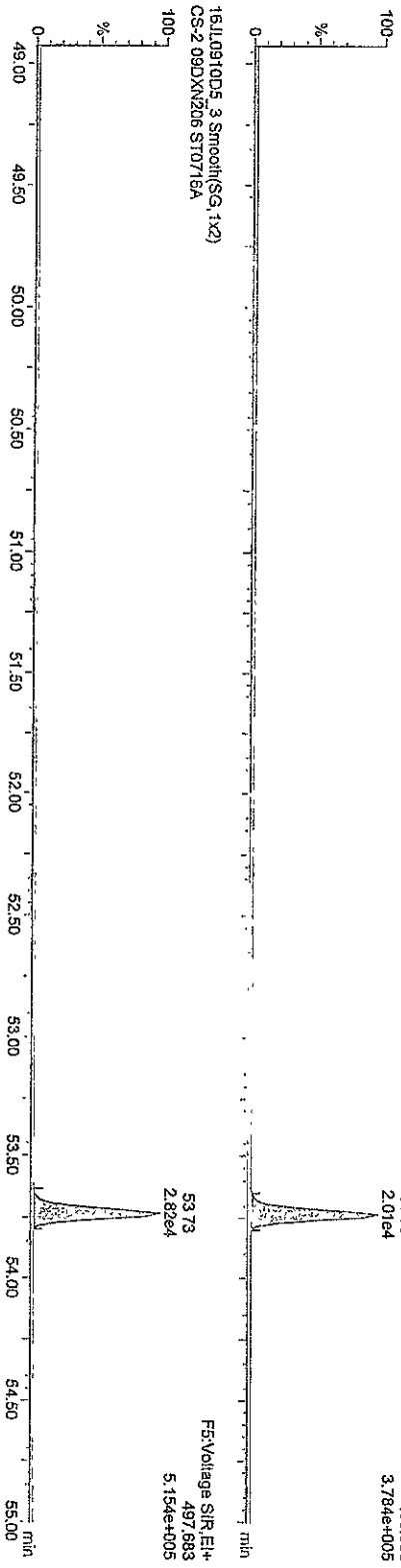
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

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Name: 16Jul0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

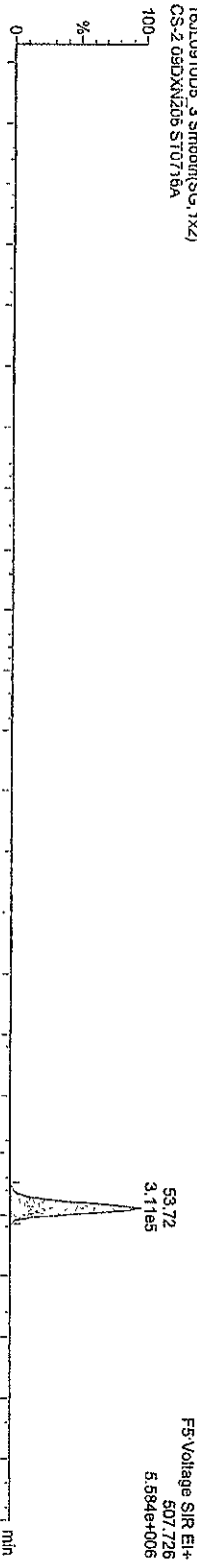
DecB-209

16Jul0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A

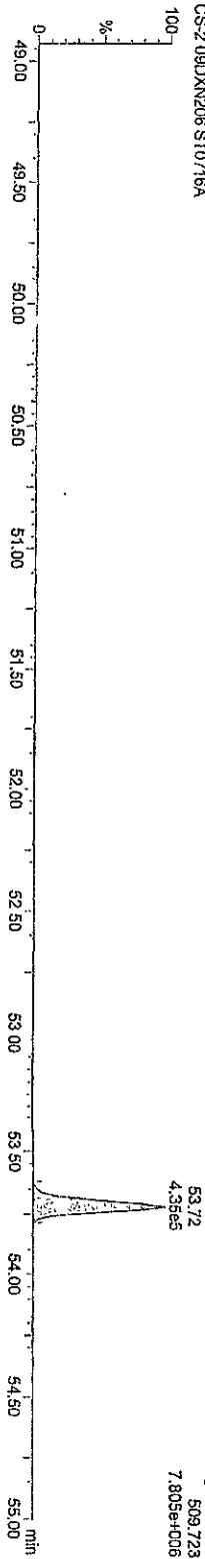


13C-DecB-209

16Jul0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A



16Jul0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A

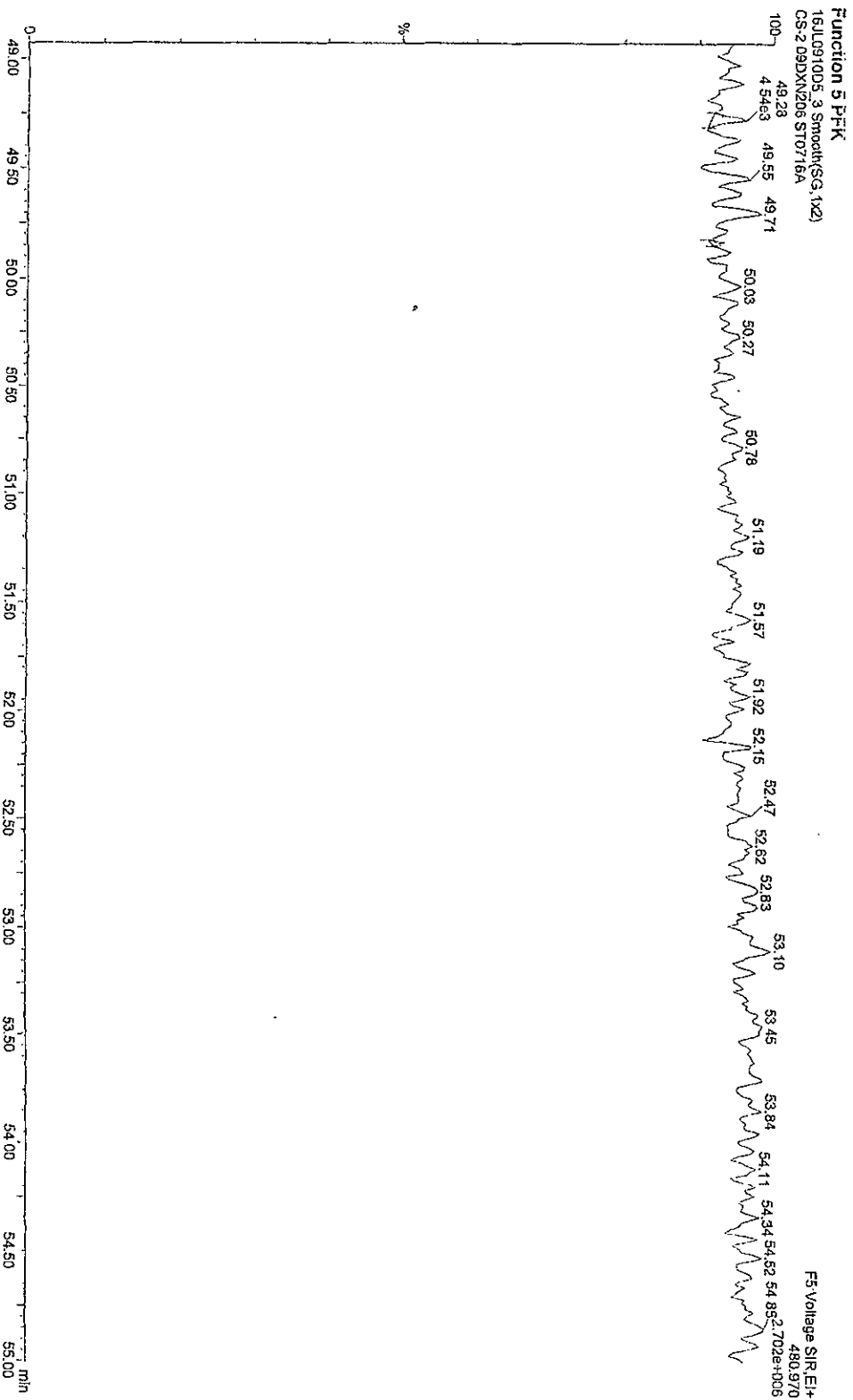


Dataset: C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16Jul0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXNZ06



Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

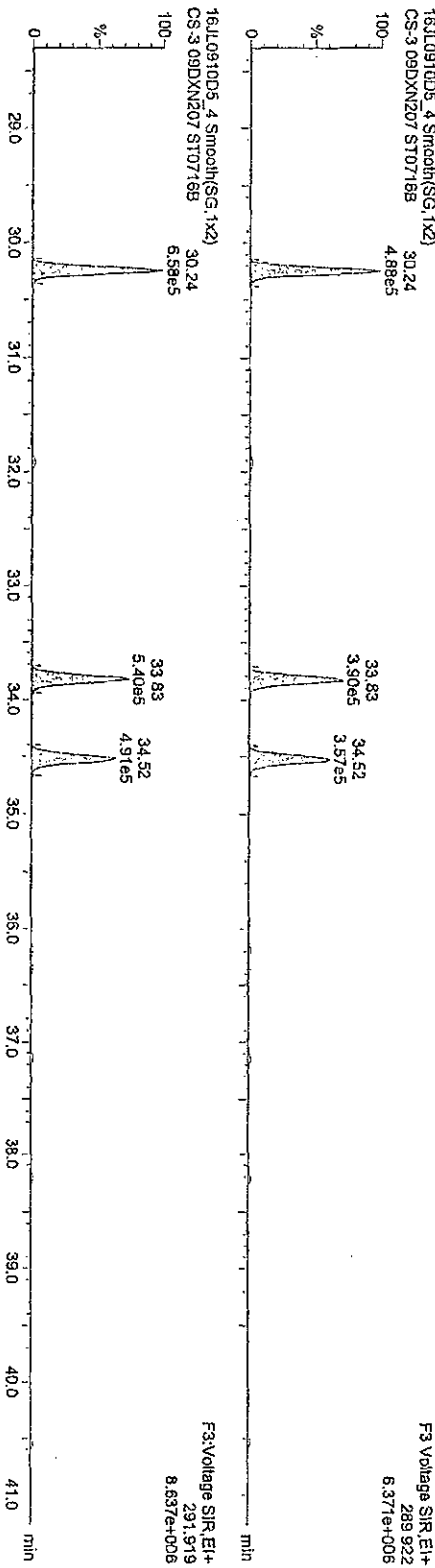
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

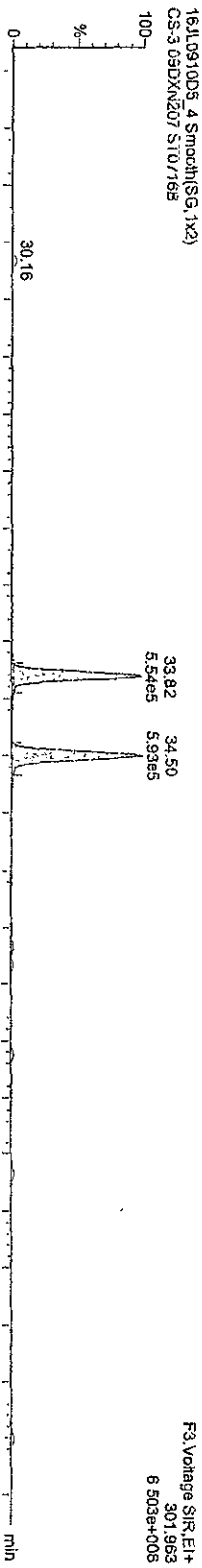
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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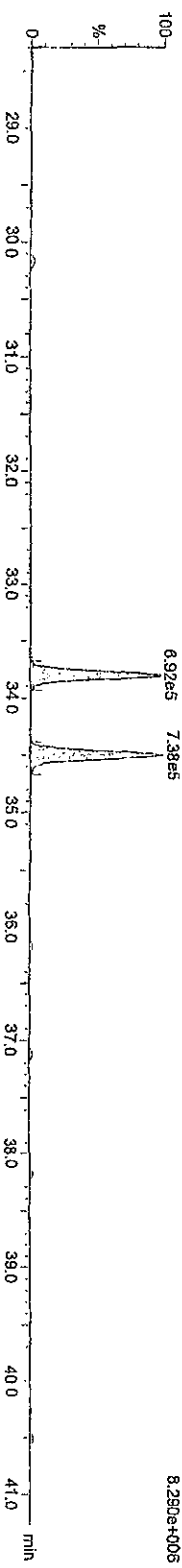
TetraPCBS



13C-TetrasPCBS



16JL0910D5\_4 Smoother(SG, 1x2)

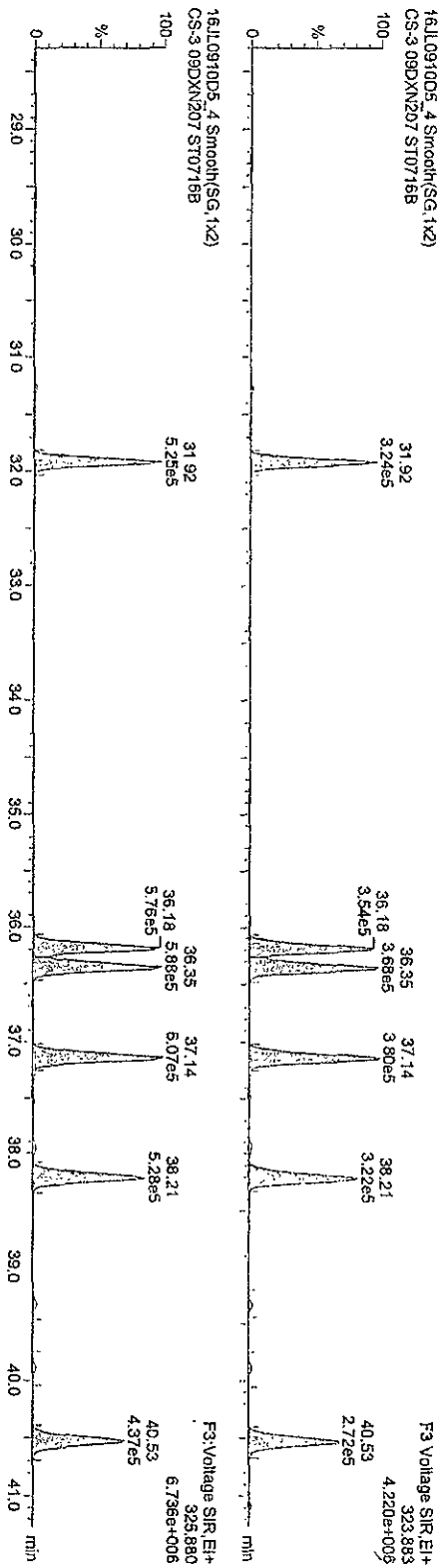


Dataset: C:\Masslynx\Default\prof\CA0716200910D51668MSLDEC.qld

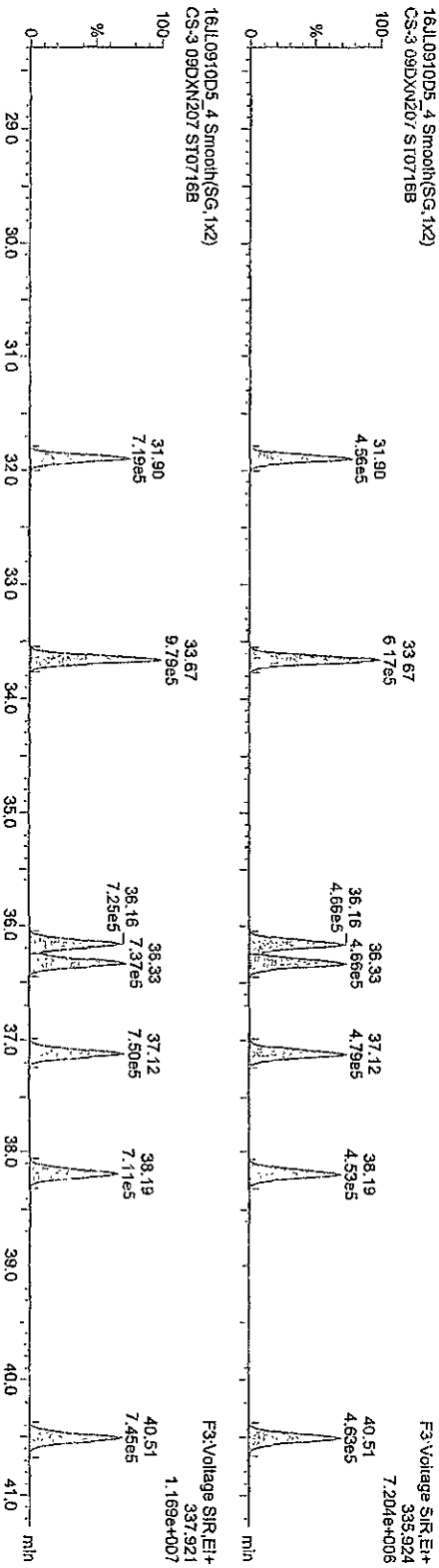
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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PePCBs  
16JL0910D5\_4 Smooth(SG,1x2)  
CS-3-09DXN207 STD716B



13C-PePCBs  
16JL0910D5\_4 Smooth(SG,1x2)  
CS-3-09DXN207 STD716B

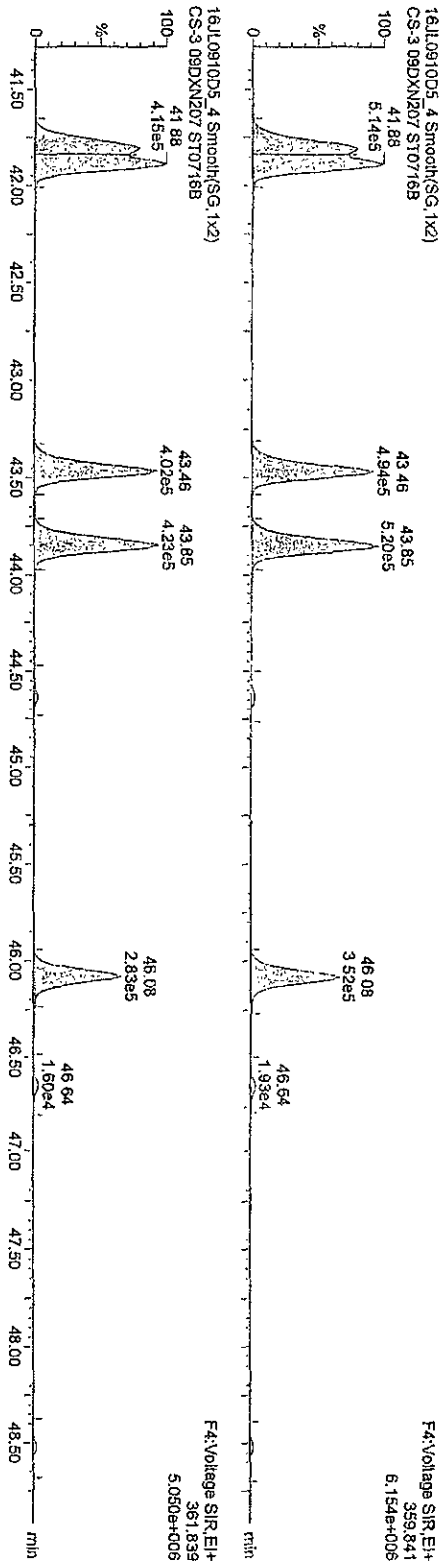


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

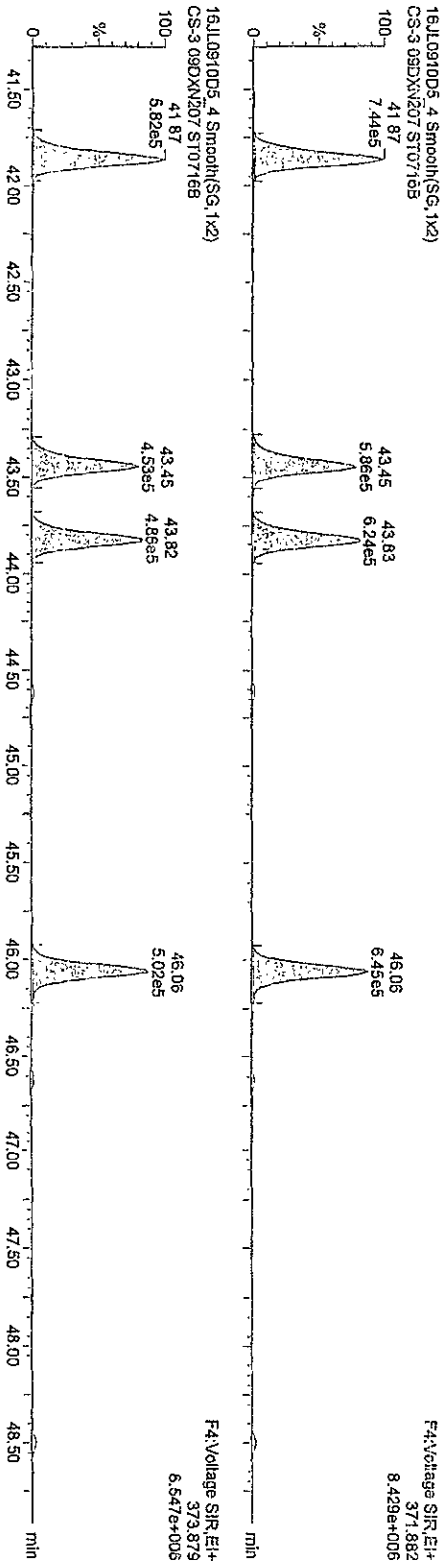
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

H<sup>+</sup>PCBs-



13C-H<sup>+</sup>PCBs



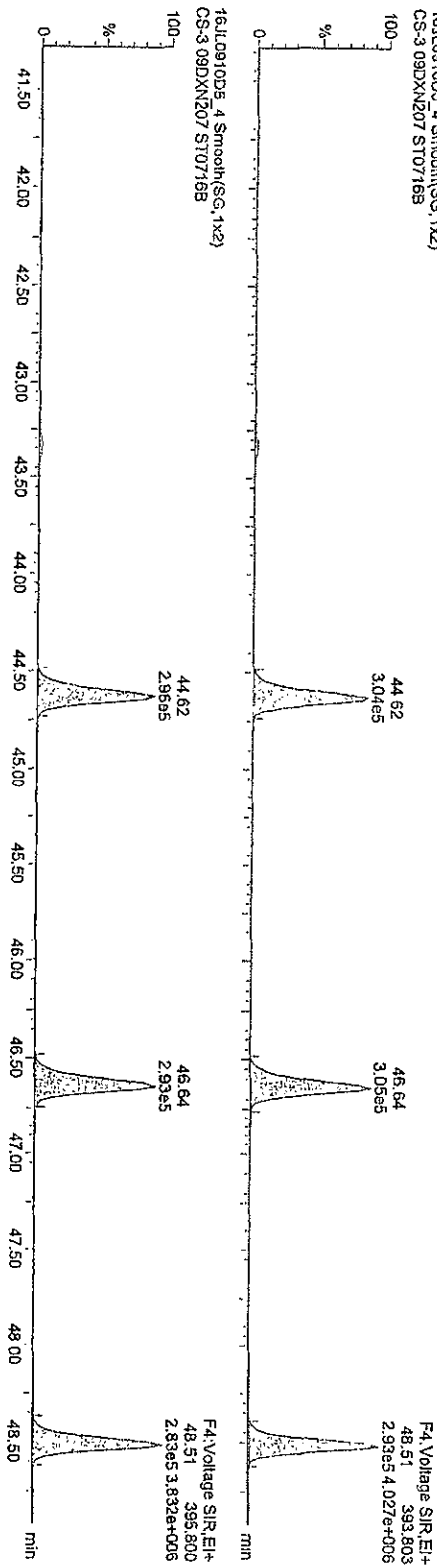
Dataset: C:\MassLynx\Default\prot\CA0716200910D51668M\SLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4; Date: 16-Jul-2009; Time: 14:40:56; ID: ST0716B; Description: CS-3 09DXN207

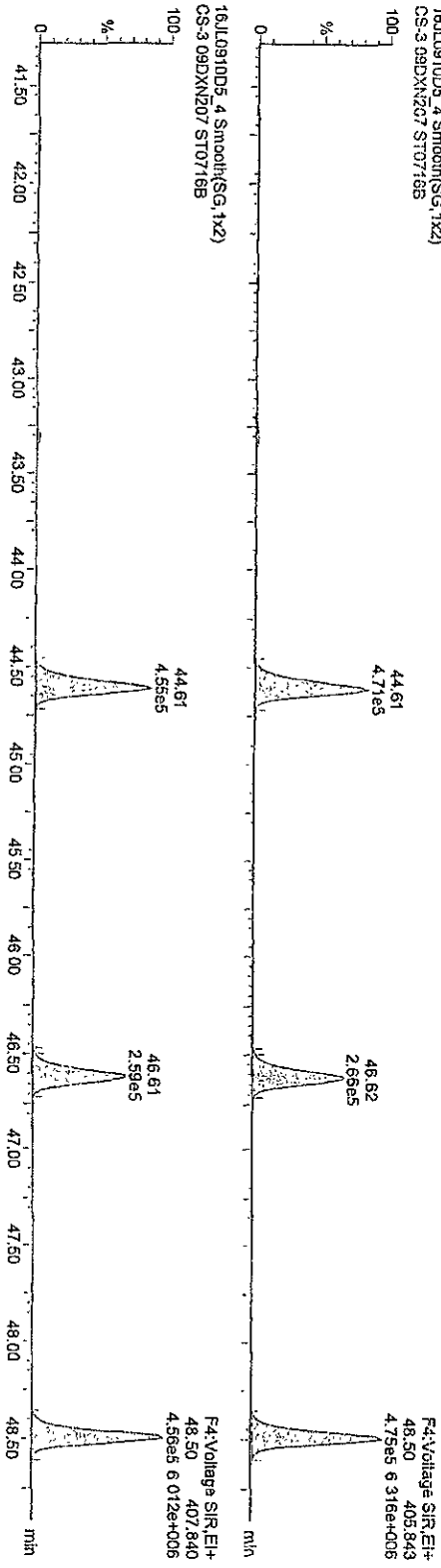
H<sup>13</sup>C-GBs

16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B



H<sup>13</sup>C-HpPCBs

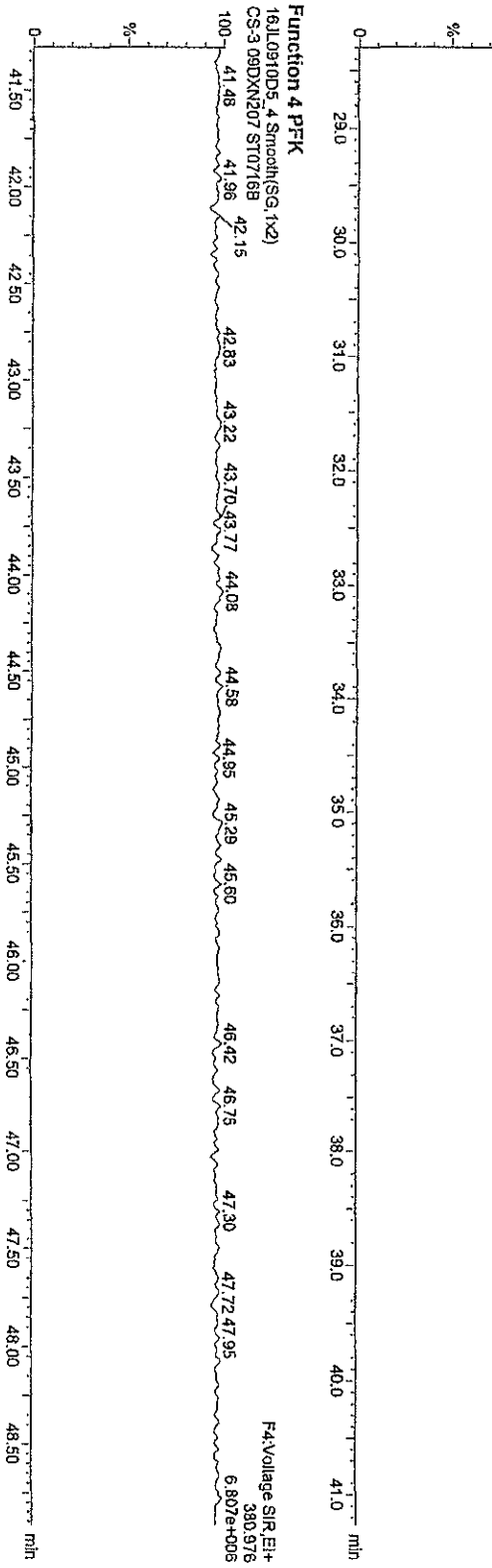
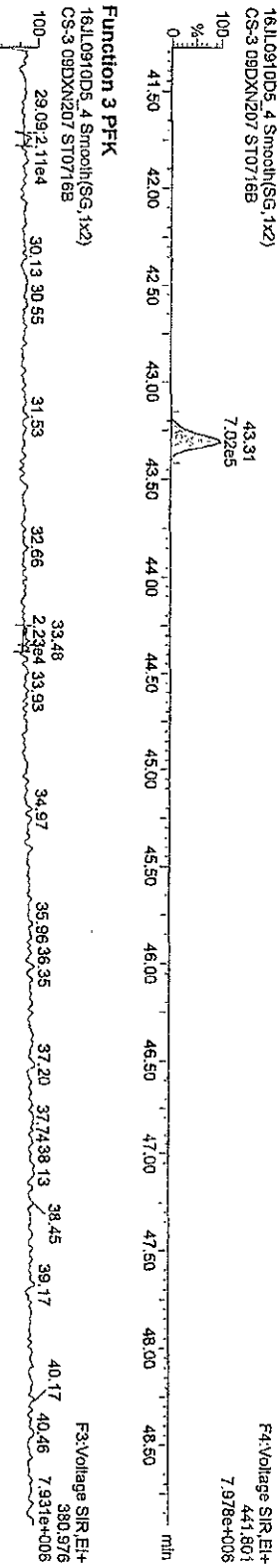
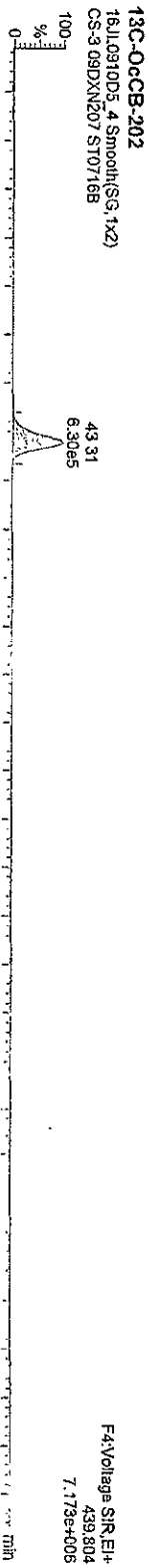
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B



Dataset: C:\Masslynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16Jul0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207



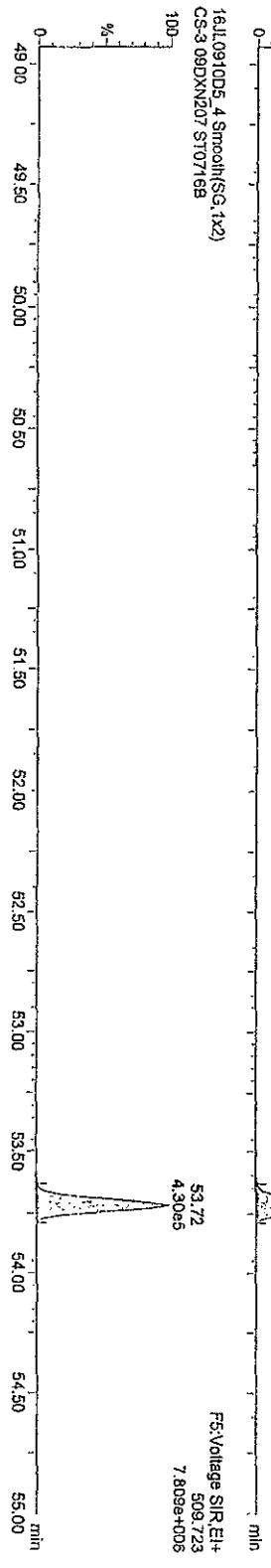
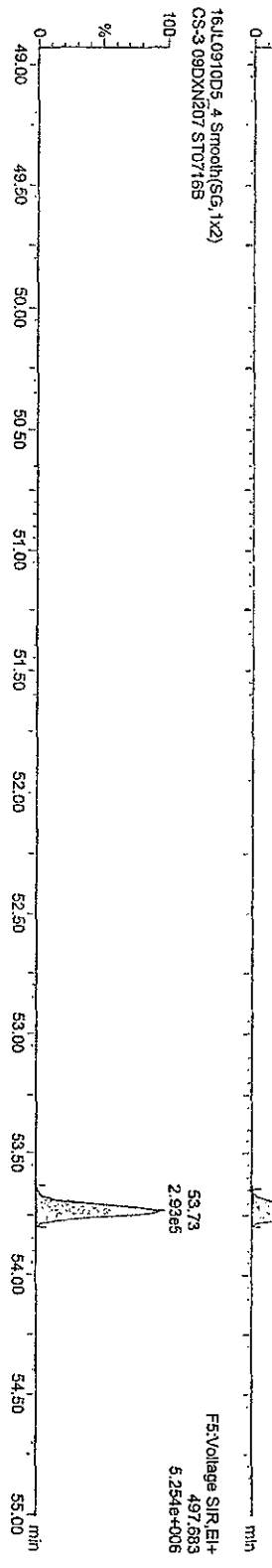


Dataset: C:\Masslynx\Default\pro\1CA0716200910D51668MSLDEC.qid

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

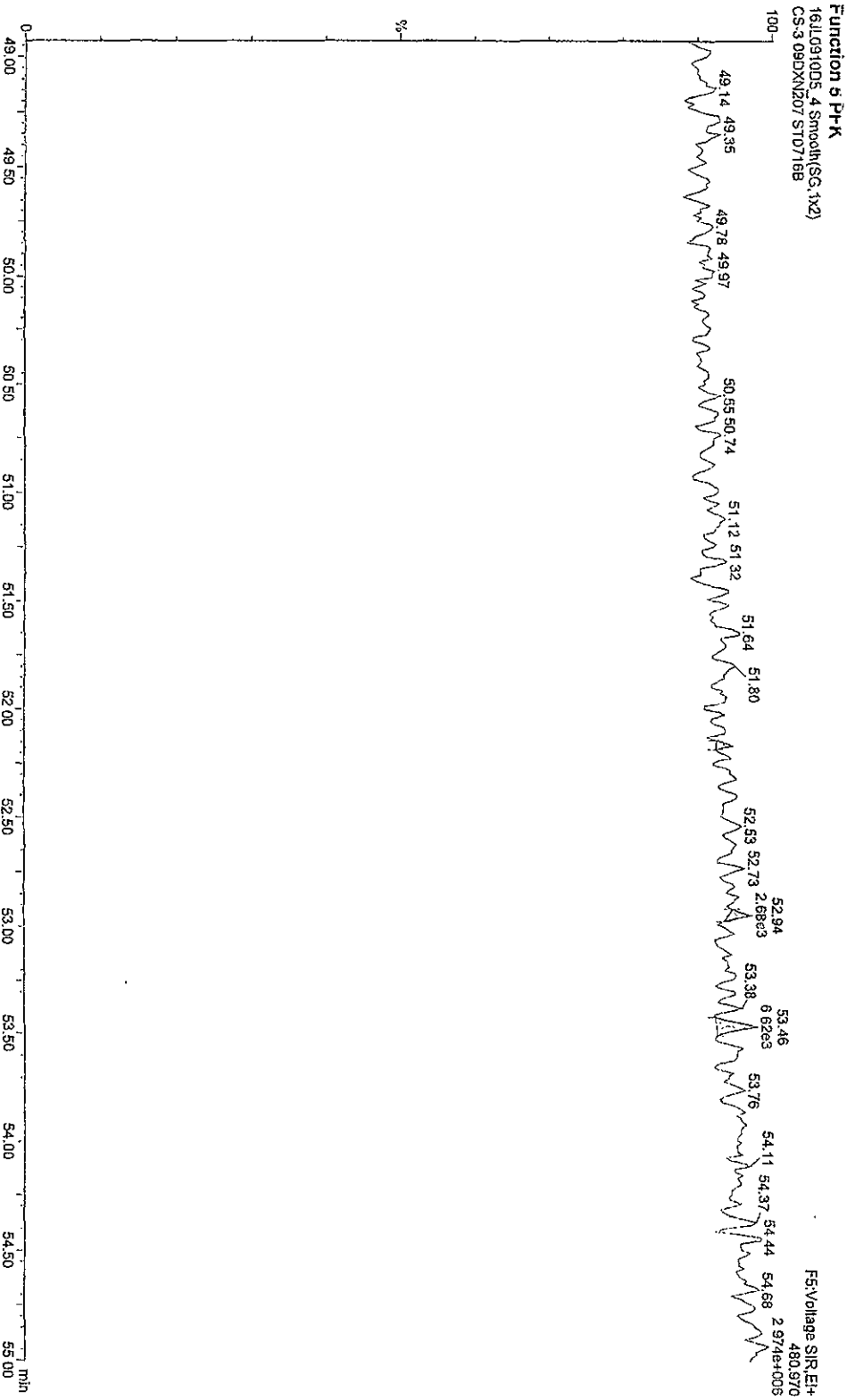


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207



Quantity Sample Report      MassLynx 4.1

Page 25 of 40

Dataset:      C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

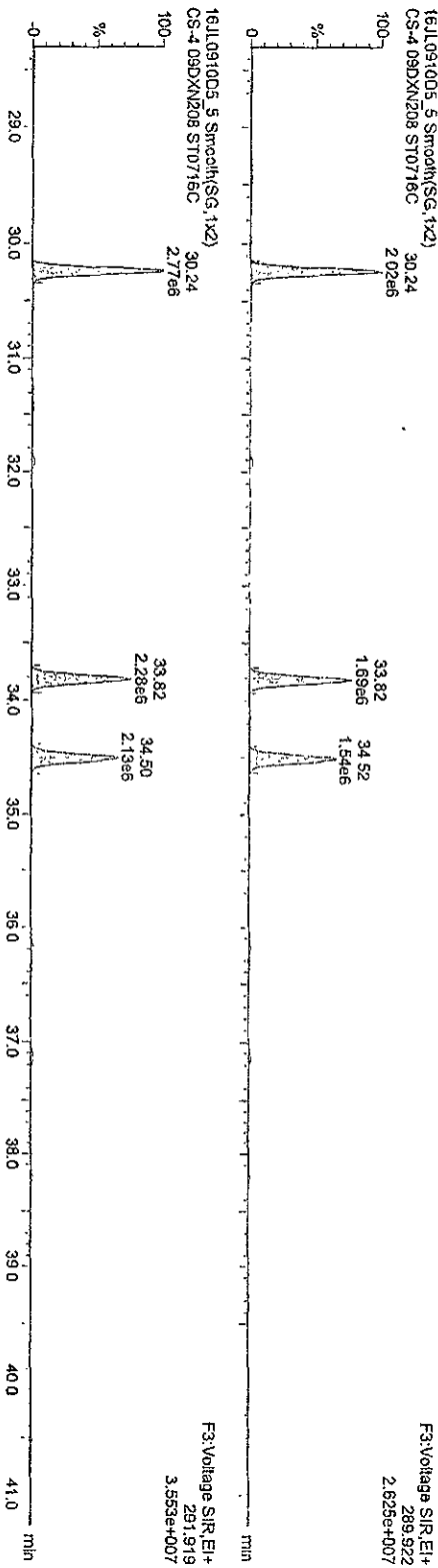
Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

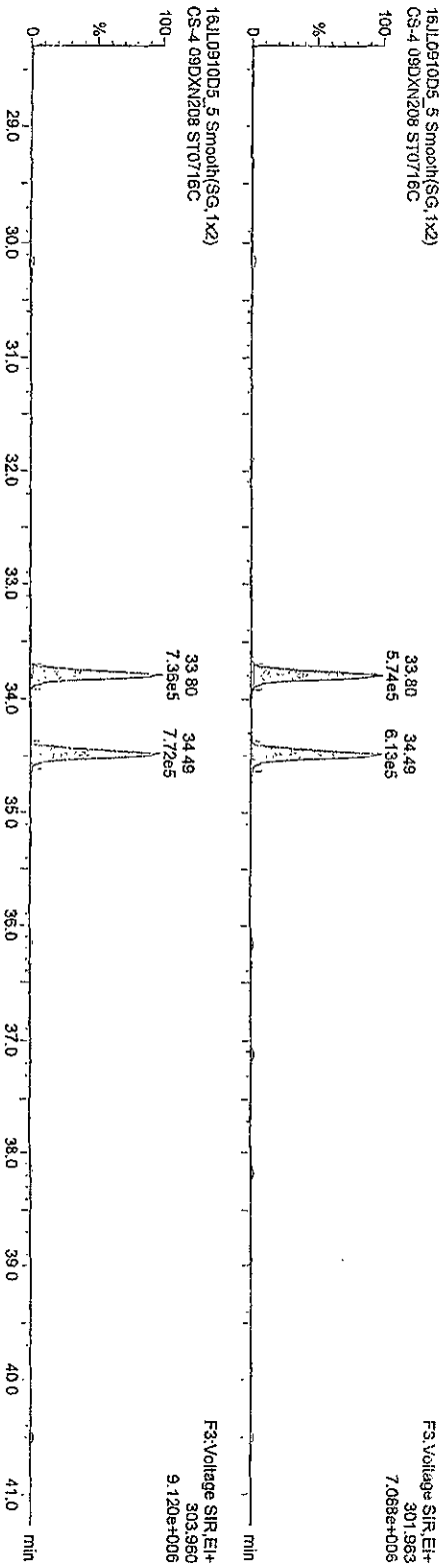
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

TetraCBs



13C-TetrabPCBs



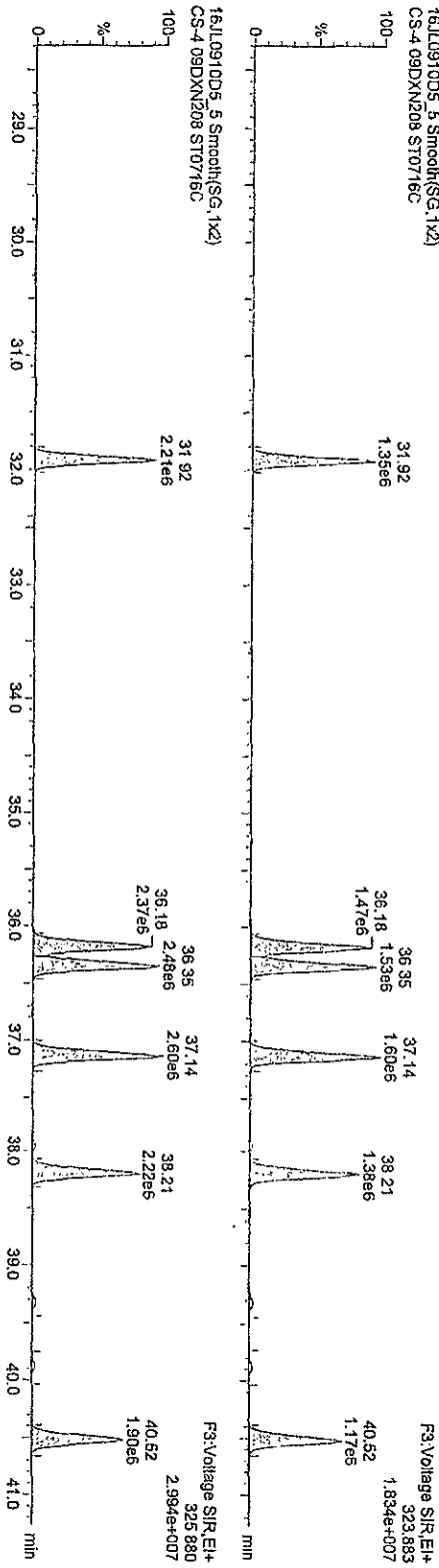
Dataset: C:\Masslynx\Default\pro1\CA0716200910D51668M\SLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

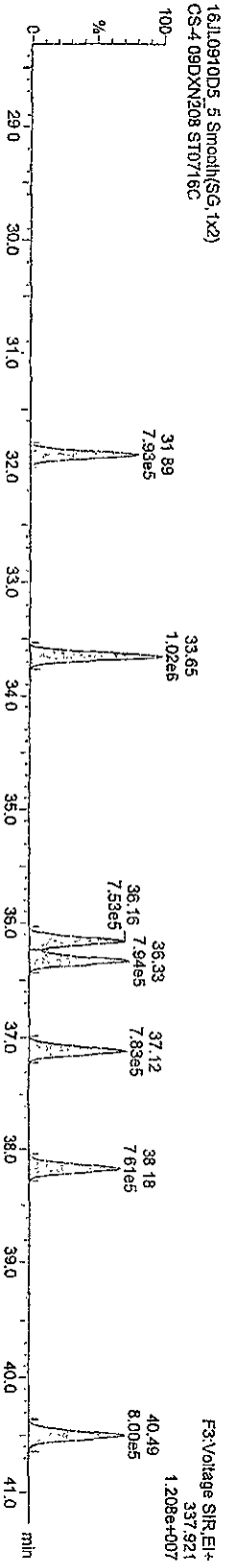
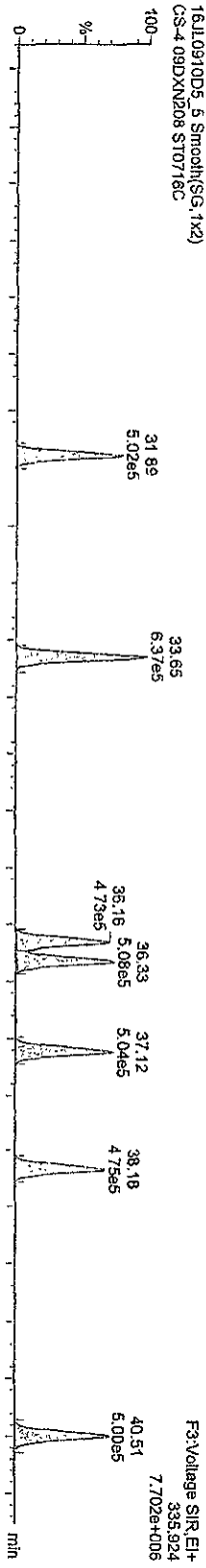
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4-09DXN208

PAPCBs



13C-PaPCBs

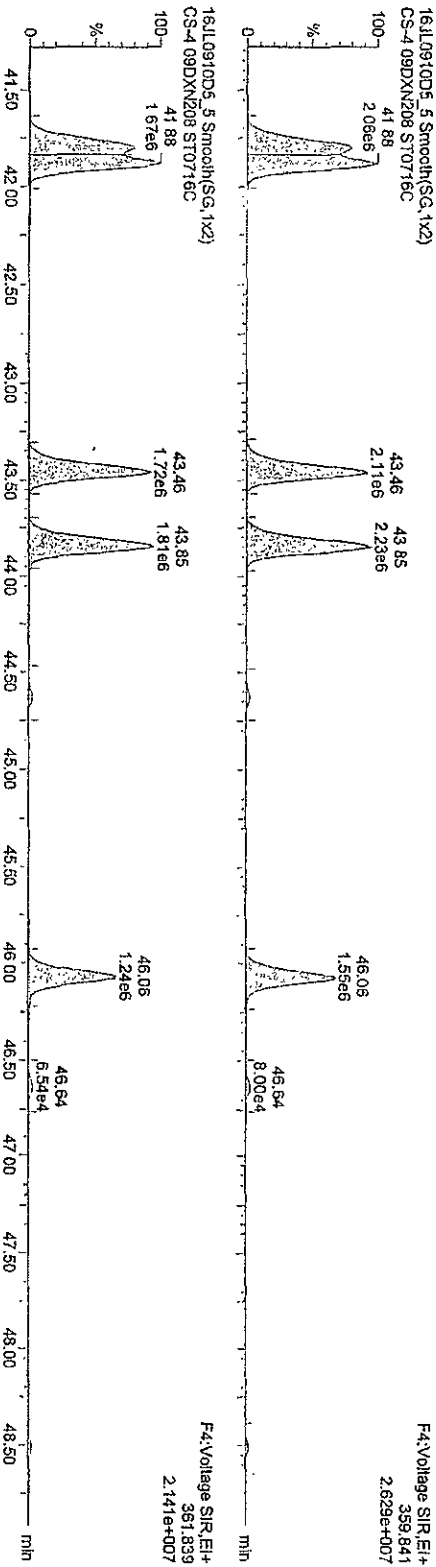


Dataset: C:\Masslynx\Default\prol\CA0716200910D51668MSLDEC.qld

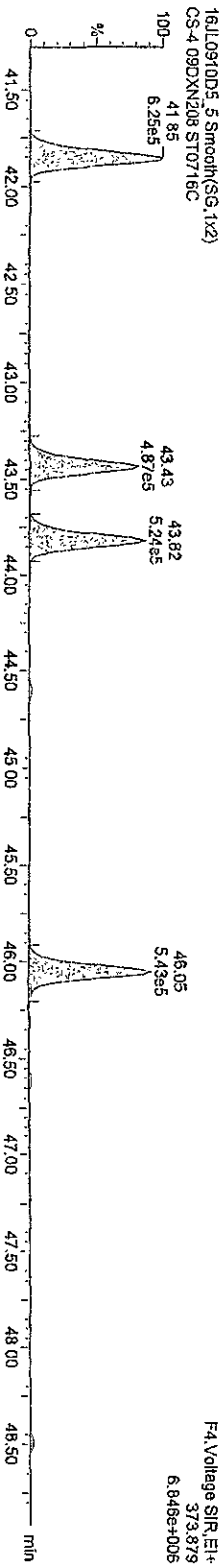
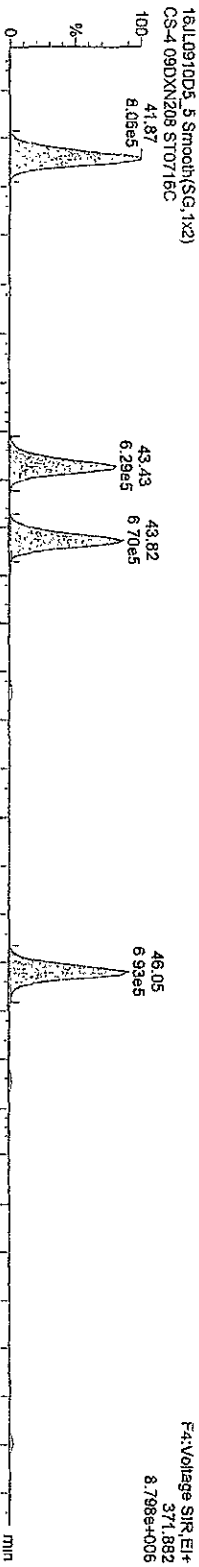
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16Jul0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

HxPCBs-



13C-HxPCBs

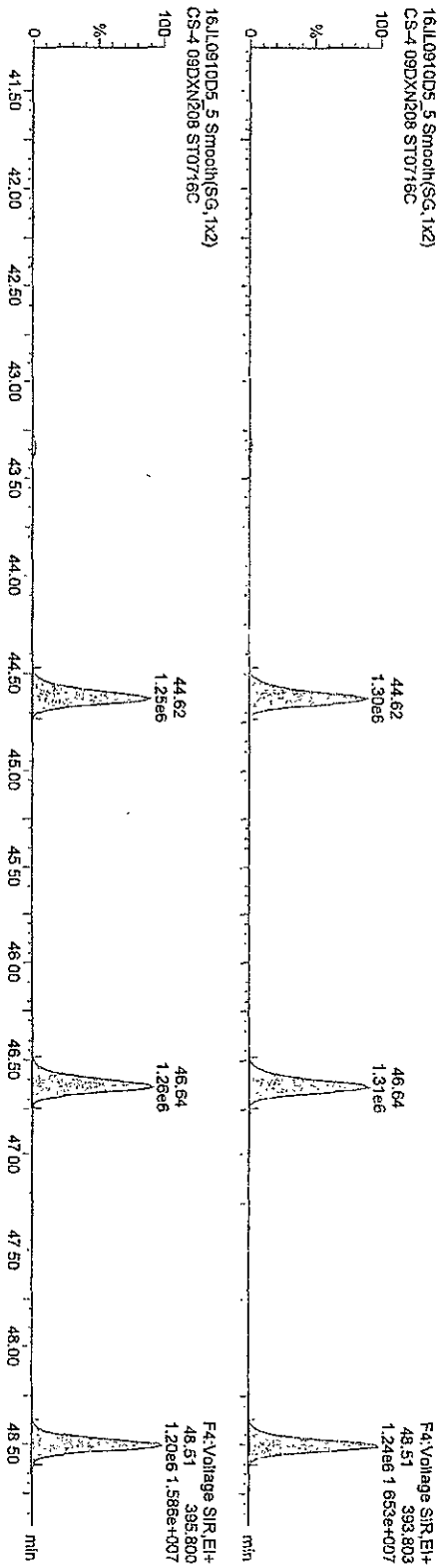


Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSLDEC.qid

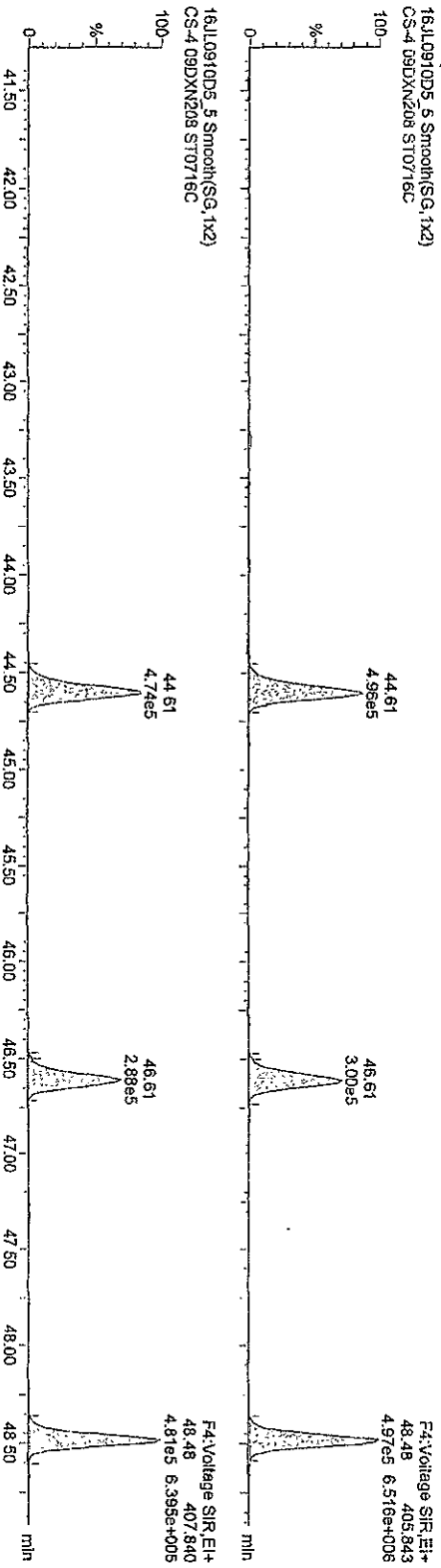
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.LI.0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

HPFCBS



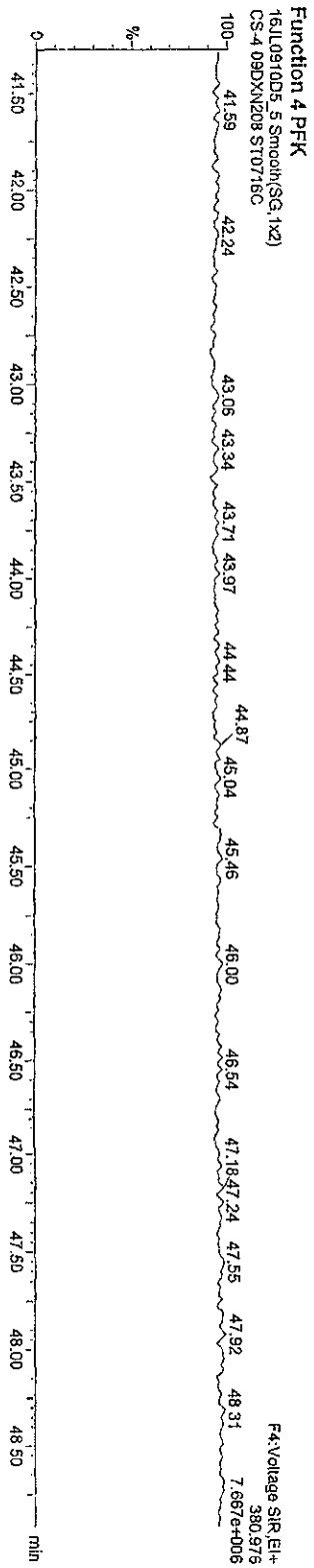
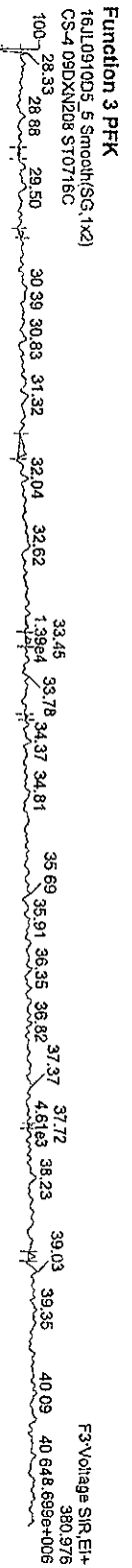
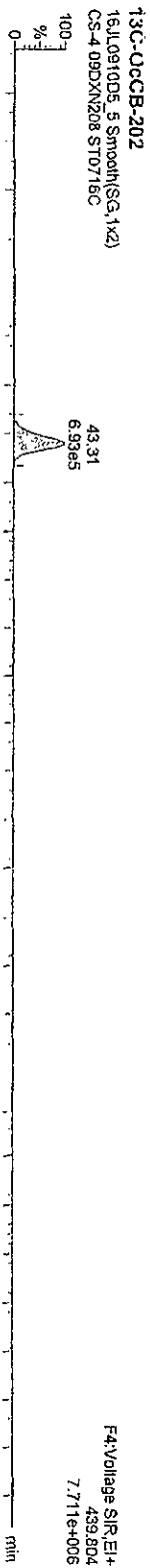
13C-HPFCBS



Dataset: C:\MassLynx\Default.profiles\CA0716200910D51668M\SLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

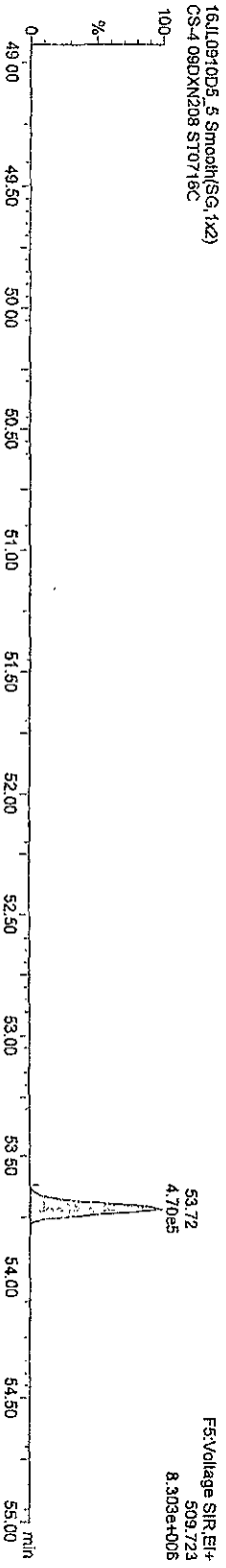
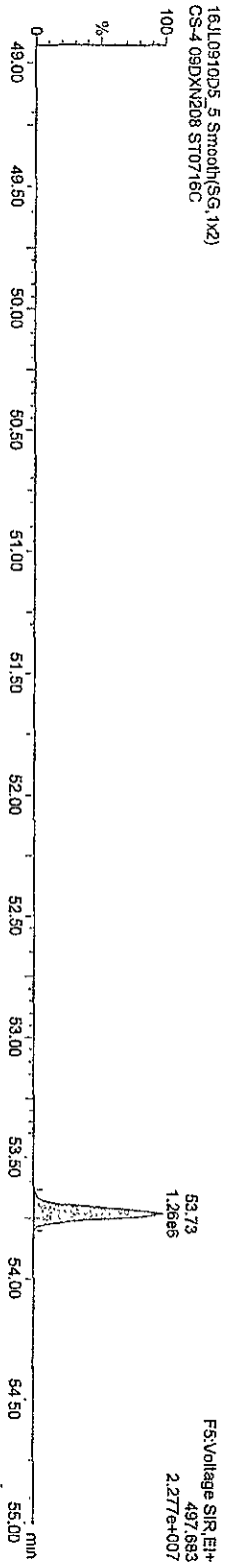




Dataset: C:\MassLynx\Default\proj\CA0716200910D51668M\SLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

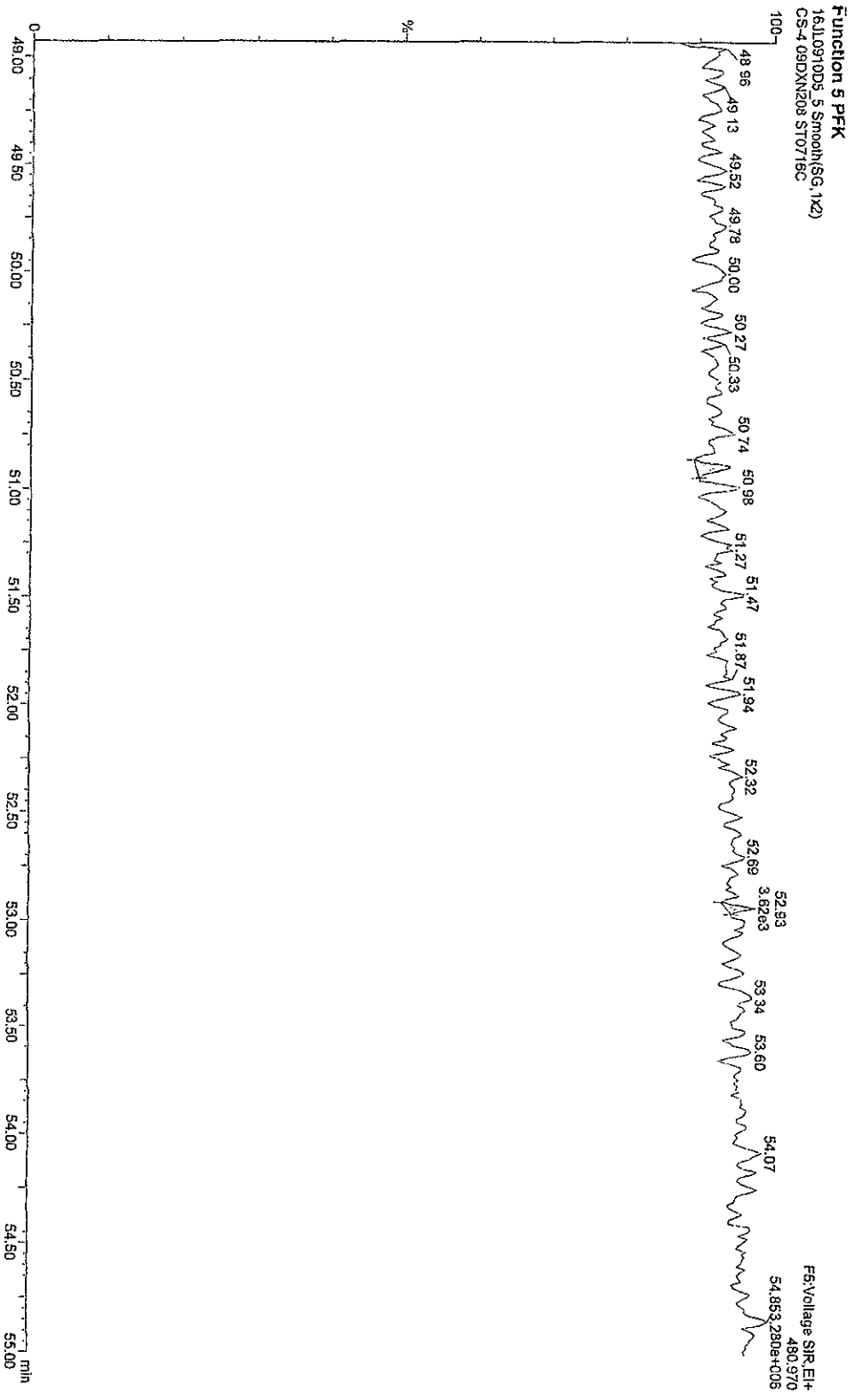


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16Jul0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208



Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.glt

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

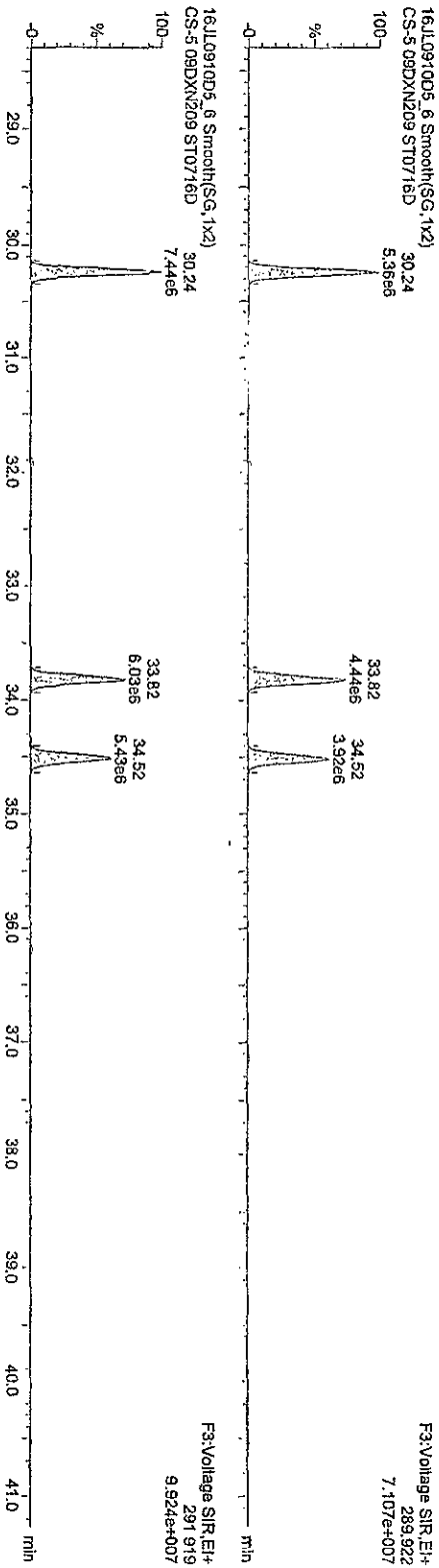
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

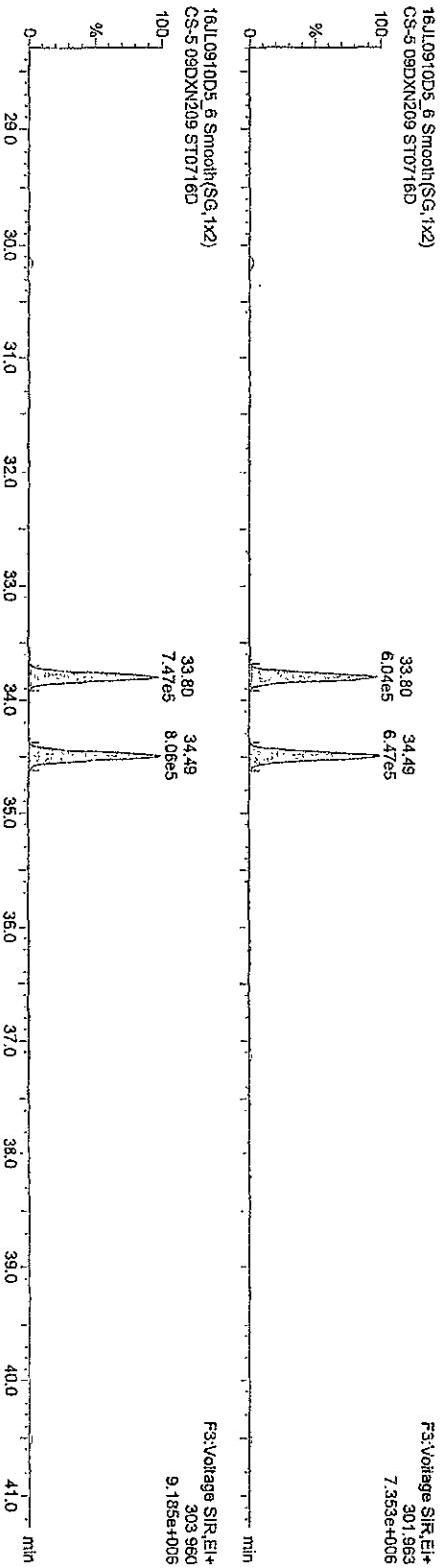
Printed: Thursday, August 27, 2009 16:34:27 Pacific Daylight Time

Name: 16Jul0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

TetraPCBs



13C-TetraPCBs

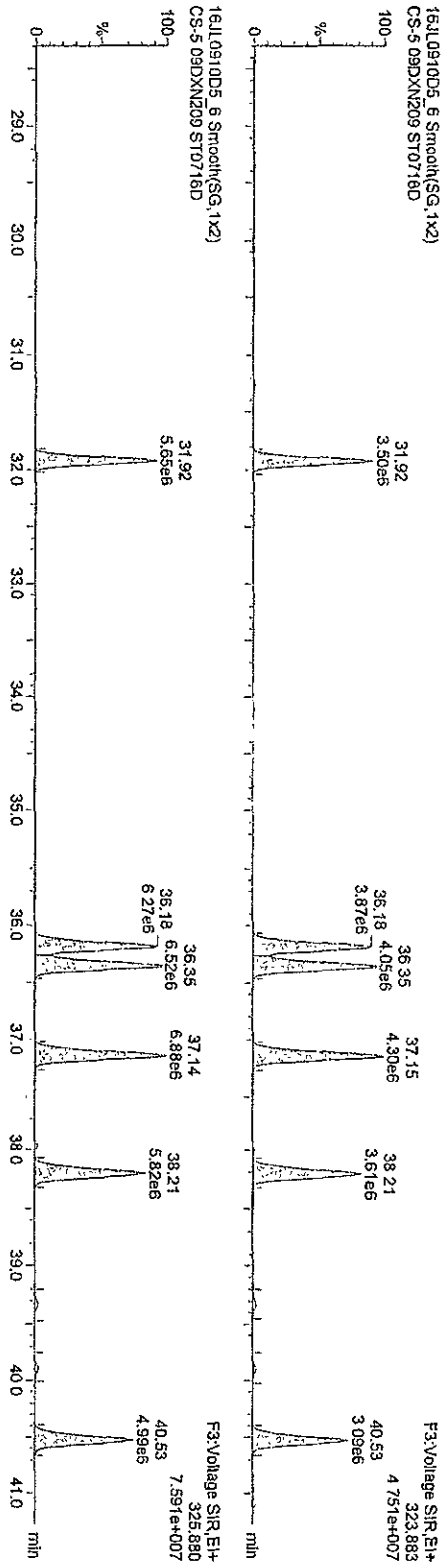


Dataset: C:\MassLynx\Default\proj\CA0716200910D51668M\SLDEC.qld

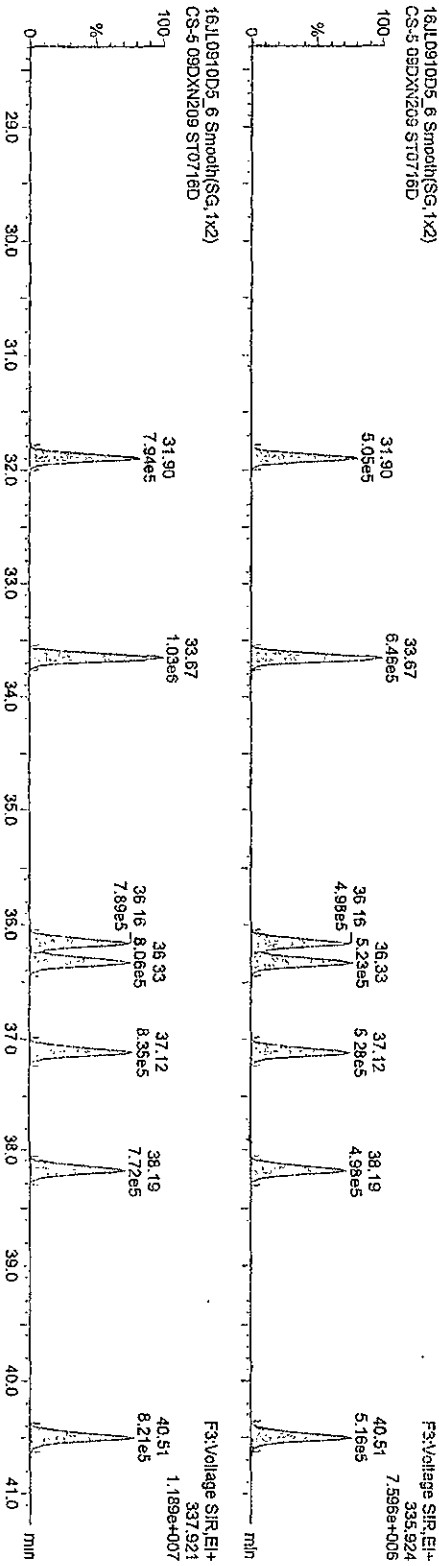
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

**PAPCBs**



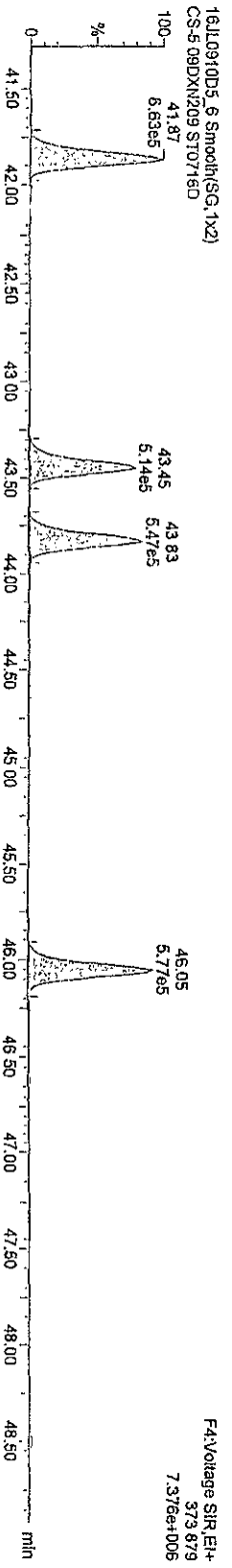
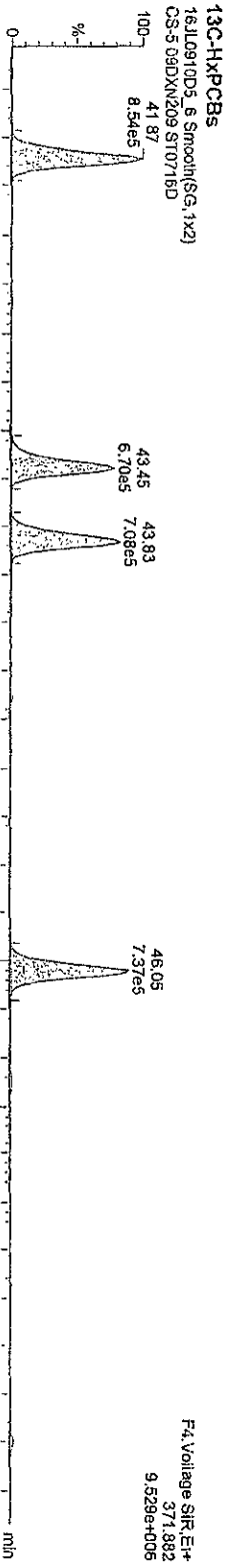
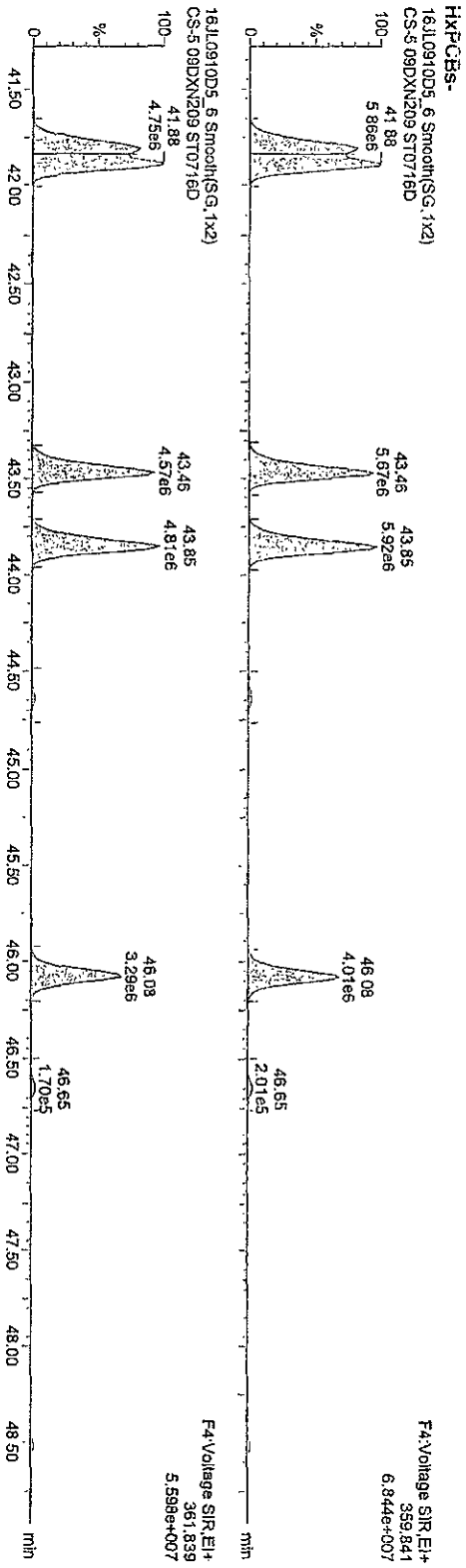
**13C-PePCBs**



Dataset: C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209



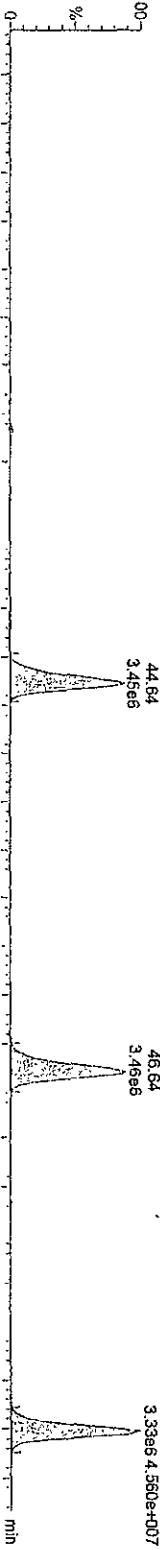
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

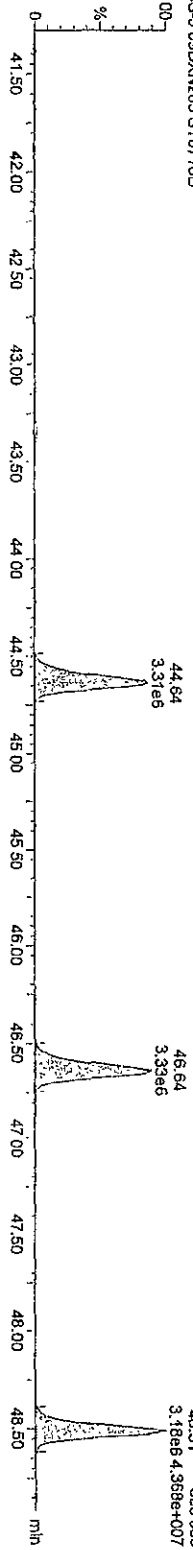
Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

HpPCBs

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D

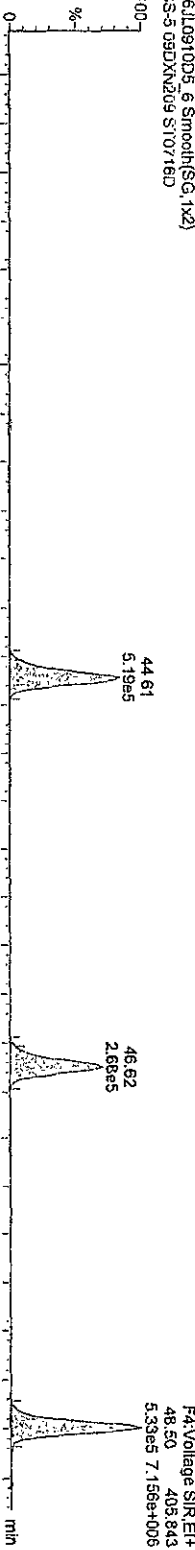


16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D

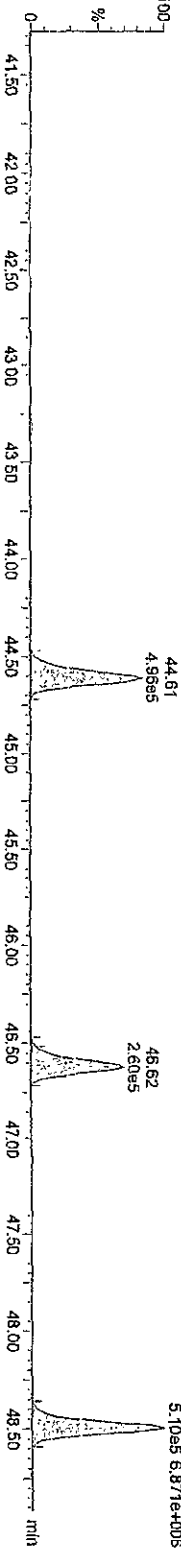


13C-HpPCBs

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



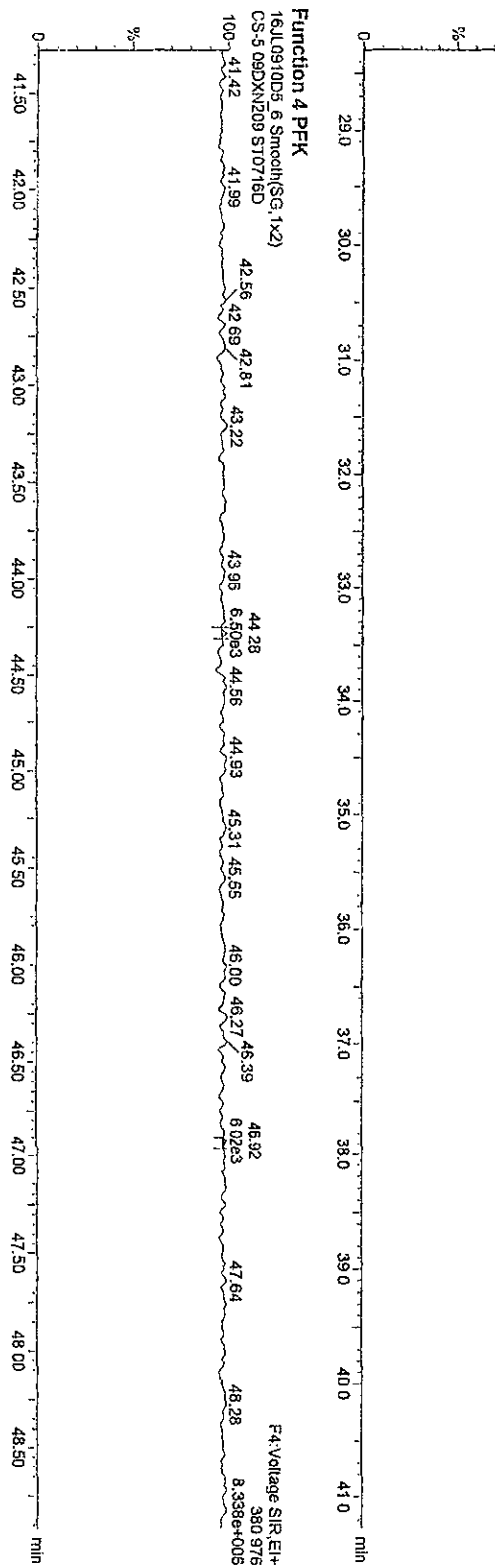
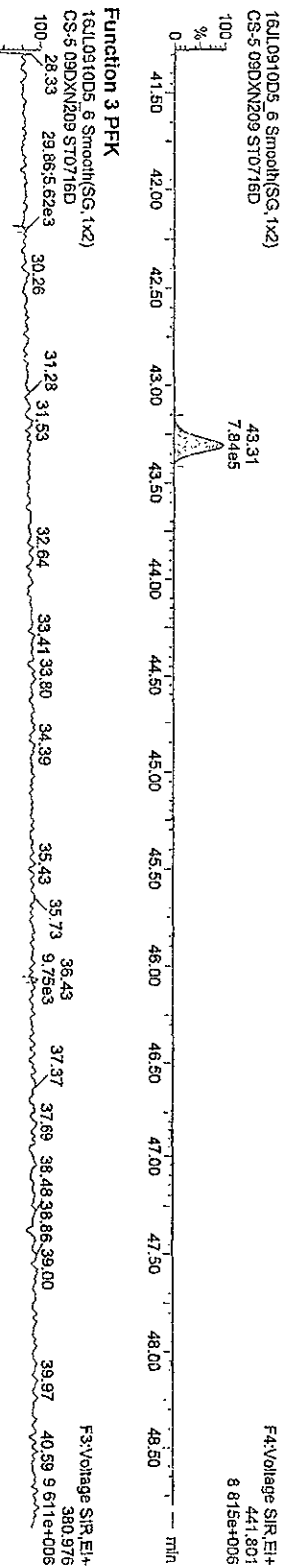
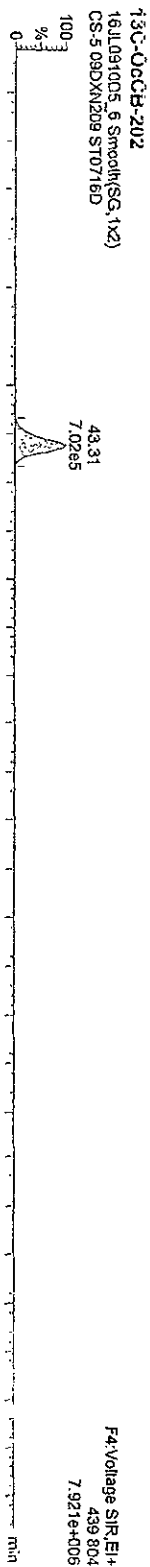
16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



Dataset: C:\MassLynx\Default\prot\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209





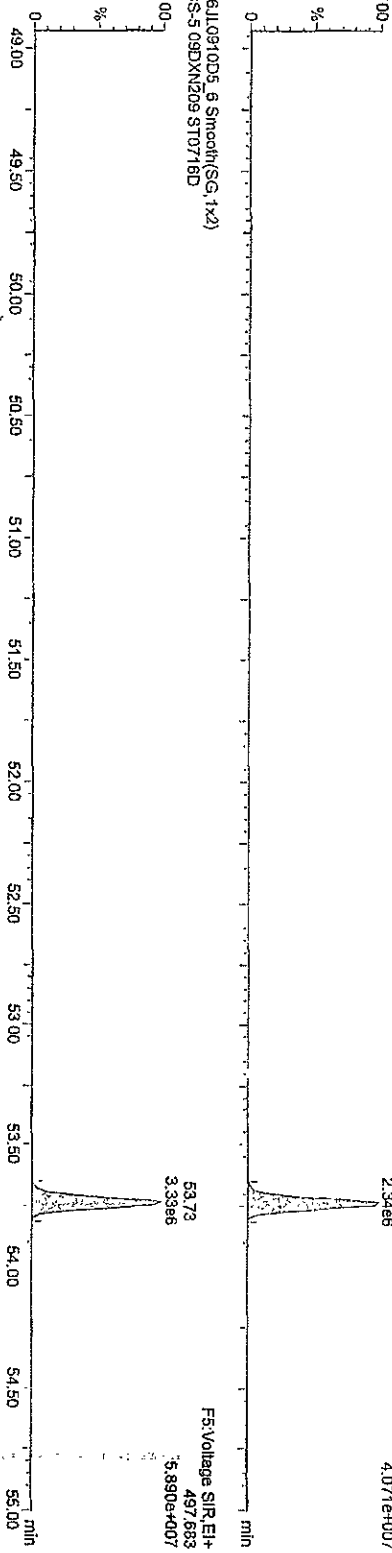
Dataset: C:\MassLynx\Default\prof\CA0716200910D51668M\SLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

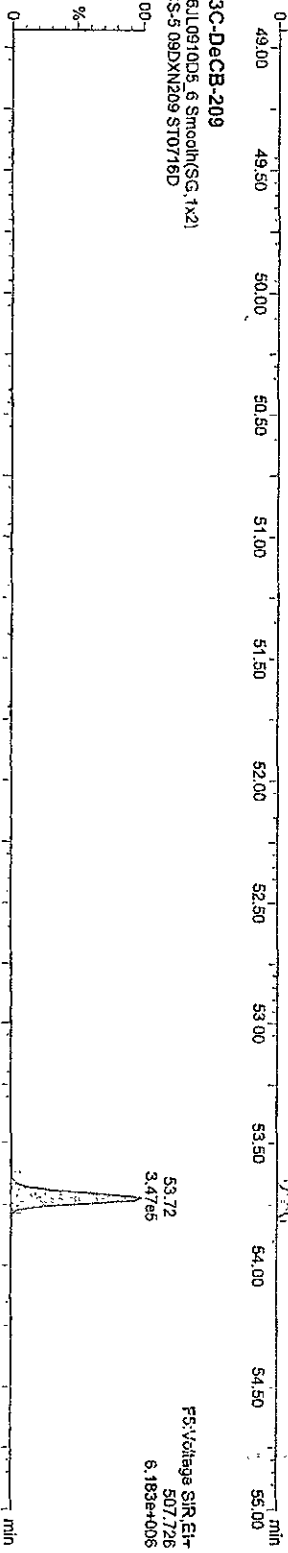
DecB-209

16JL0910D5\_6.Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D

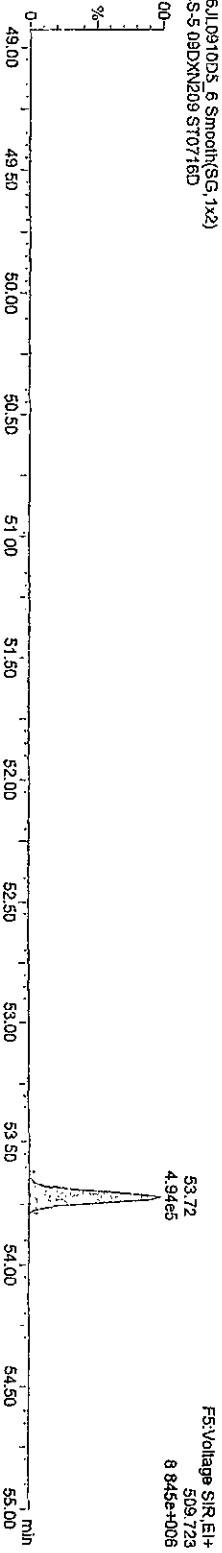


13C-DecB-209

16JL0910D5\_6.Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



16JL0910D5\_6.Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D

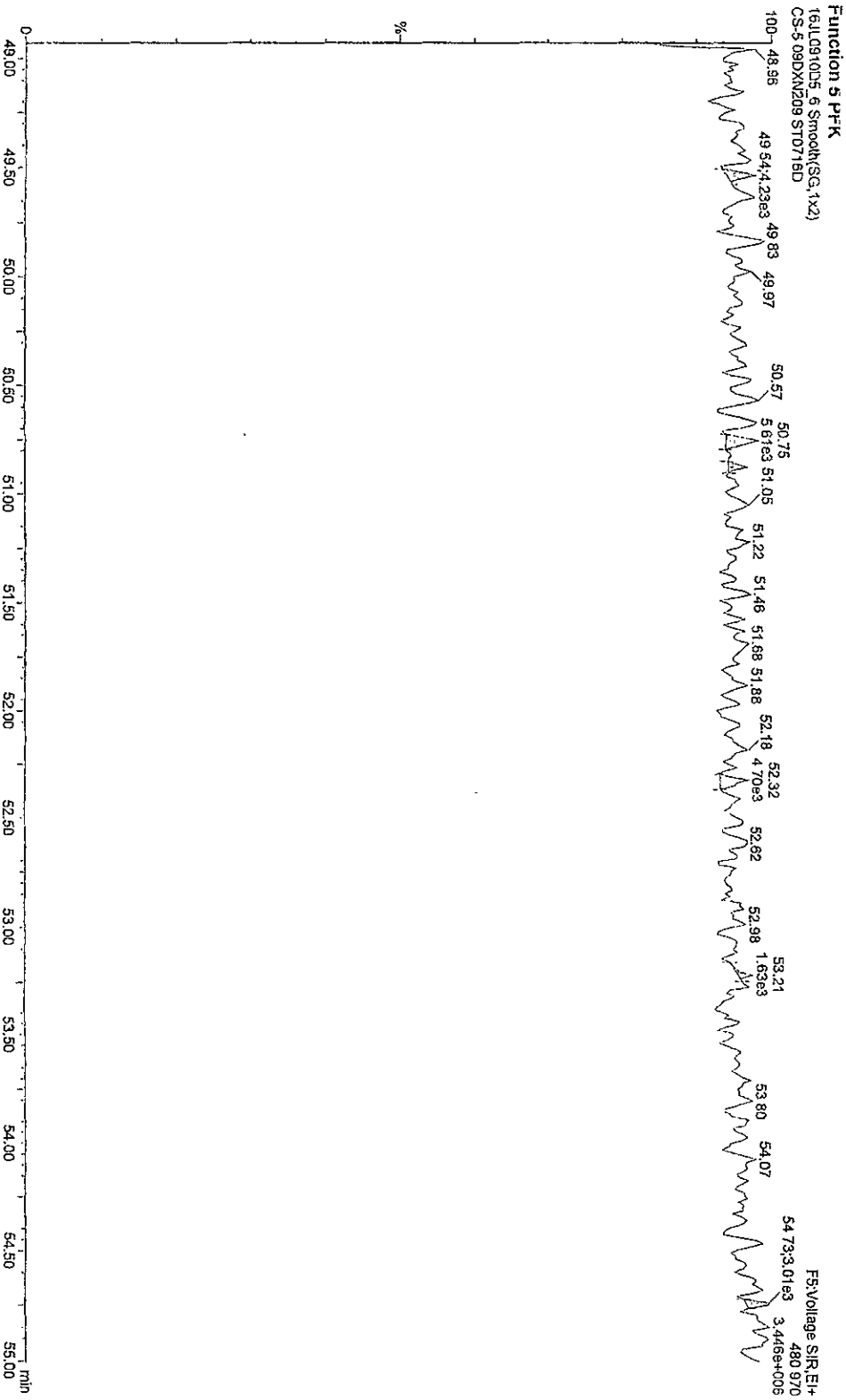


Dataset: C:\MassLynx\Default\prof\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209



Quantity Sample Summary Report MassLynx 4.1

Dataset C:\MassLynx\Default\PROI\CA0716200910D51668MSLDEC2ndSource.qtd  
 Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

Method: C:\MassLynx\Default\PROI\MethDB1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19  
 Calibration: C:\MassLynx\Default\PROI\CurveDB1\CA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53  
 Name: 16Jul0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXM196

#Name	Trace	Sample Size	RT	Ptd.RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
1	13C-PeCB-101	1.000	31.90	32.13	12419	..	1470466.81	118.4006	118.4006	118.4	0.06393	0.65	NO	
2														
3	13C-TeCB-81	1.000	33.82	33.85	103984		1610148.06	105.3037	105.3037	105.3	0.05886	0.79	NO	
4	TeCB-81	1.000	33.83	33.83	145839		2117289.38	90.1658	90.1658	104.5	0.04653	0.74	NO	
5	13C-TeCB-77	1.000	34.50	34.55	110430		1683224.19	103.6572	103.6572	103.7	0.05543	0.79	NO	
6	TeCB-77	1.000	34.52	34.52	127456		1973168.13	91.9719	91.9719	105.7	0.05127	0.76	NO	
7														
8	13C-PeCB-123	1.000	36.16	36.18	0.99324		1532208.75	104.8083	104.9083	104.9	0.05436	0.63	NO	
9	PeCB-123	1.000	36.20	36.18	1.50539		1759145.25	76.2668	76.2668	104.5	0.05843	0.62	NO	
10	13C-PeCB-118	1.000	36.33	36.35	1.02377		1572983.44	104.4883	104.4883	105.3	0.05274	0.64	NO	
11	PeCB-118/106	1.000	36.37	36.35	1.52582		3508659.50	146.1885	146.1885	105.7	0.05700	0.62	NO	
12	13C-PeCB-114	1.000	37.12	37.14	1.03691		1612395.63	105.7488	105.7488	105.3	0.05207	0.64	NO	
13	PeCB-114	1.000	37.15	37.14	1.58926		1671774.44	65.2395	65.2395	102.1	0.05326	0.62	NO	
14	13C-PeCB-105	1.000	38.19	38.21	0.98151		1520435.63	105.3461	105.3461	102.1	0.05501	0.65	NO	
15	PeCB-105/127	1.000	38.23	38.21	1.43326		3561897.75	163.4509	163.4509	102.1	0.06446	0.62	NO	
16	13C-PeCB-126	1.000	40.51	40.56	1.02999		1545906.50	102.0695	102.0695	102.1	0.05242	0.63	NO	
17	PeCB-126	1.000	40.54	40.54	1.15582		1656692.44	92.8312	92.8312	103.5	0.08124	0.62	NO	
18														
19	13C-OcCB-202	1.000	43.31	43.51	14106....		1688443.75	119.6951	119.6951	103.5	0.02438	0.90	NO	
20														
21	13C-HXCB-167	1.000	41.87	41.90	1.00247		1715750.19	101.3672	101.3672	103.5	0.04312	1.27	NO	
22	HXCB-167	1.000	41.90	41.90	1.34796		1659150.94	71.7388	71.7388	103.5	0.03818	1.08	NO	
23	13C-HXCB-156	1.000	43.45	43.48	0.78510		1364232.75	102.9140	102.9140	102.9	0.05505	1.29	NO	
24	HXCB-156	1.000	43.48	43.48	1.68840		1803329.50	78.2908	78.2908	102.5	0.03726	1.23	NO	
25	13C-HXCB-157	1.000	43.83	43.87	0.83526		1446005.38	102.5319	102.5319	100.3	0.06175	1.29	NO	
26	HXCB-157	1.000	43.87	43.85	1.65965		1723649.81	71.8229	71.8229	100.3	0.03615	1.22	NO	
27	13C-HXCB-169	1.000	46.06	46.11	0.87128		1475827.50	100.3211	100.3211	100.3	0.04961	1.26	NO	
28	HXCB-169	1.000	46.08	46.10	1.09832		1474839.81	90.9875	90.9875	103.5	0.05244	1.21	NO	
29														
30	13C-HpCB-180	1.000	44.61	44.47	0.68403		1185239.69	103.4944	103.4944	103.5	0.03057	1.04	NO	
31	HpCB-180	1.000	44.64	44.61	1.30035		1268602.00	81.6184	81.6184	103.5	0.05965	1.04	NO	

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSL\DEC2\ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

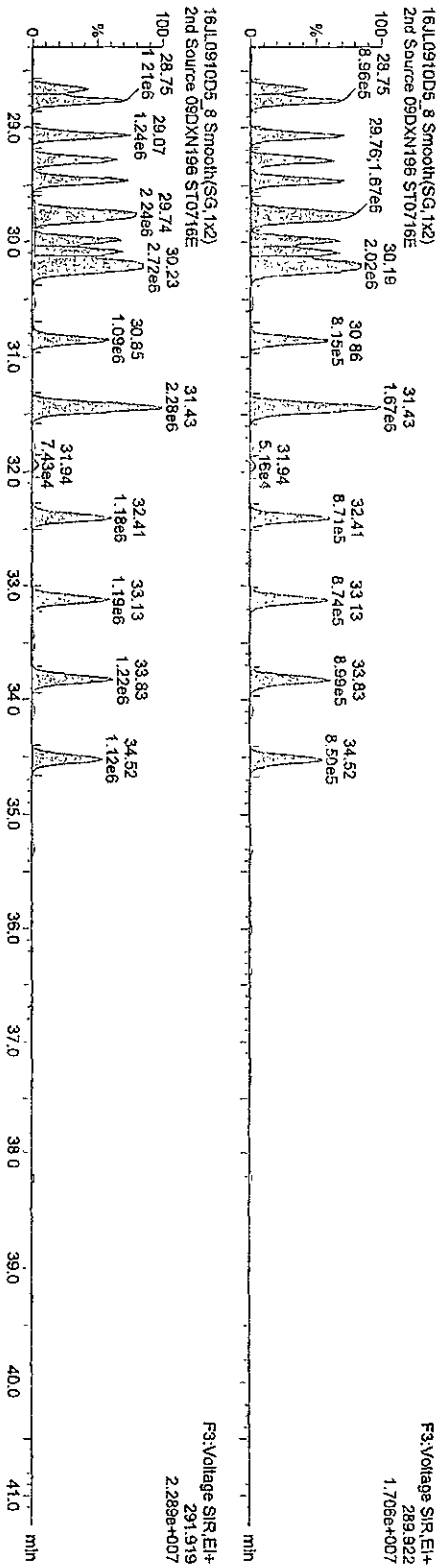
# Name	Trace	Sample Size	RT	Prd RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F	Mod Date
32 13C-HpCB-170	405.843	1.000	46.62	46.64	0.54773		966535.94	104.5113	104.5113	104.5	0.03818	1.06	NO	
33 HpCB-170	383.803	1.000	46.65	46.64	1.81501		1170576.13	74.9906	74.9906		0.05931	1.03	NO	
34 13C-HpCB-189	405.843	1.000	48.50	48.48	0.69767		1207214.94	102.4822	102.4822	102.5	0.02997	1.04	NO	
35 HpCB-189	393.803	1.000	48.51	48.53	1.23073		1325001.06	89.1805	89.1805		0.05490	1.04	NO	
36														
37 13C-DecB-209	507.726	1.000	53.73	53.63	0.55323		1015487.63	108.7130	108.7130	108.7	0.02293	0.71	NO	
38 DecB-209	495.686	1.000	53.75	53.78	1.31861		1811907.25	135.3149	135.3149		0.01204	0.70	NO	
39														
40 13C-PeCB-111	335.924	1.000	34.07	33.90	1.30483		1197.90	0.0590		0.1	0.04457	0.66	NO	
41														
42 Function 3 PFK	380.976	1.000												
43 Function 4 PFK	380.976	1.000												
44 Function 5 PFK	480.970	1.000												

Dataset: C:\Masslynx\Default\pro\CA0716200910D51668MSLDEC2\ndSource.qld

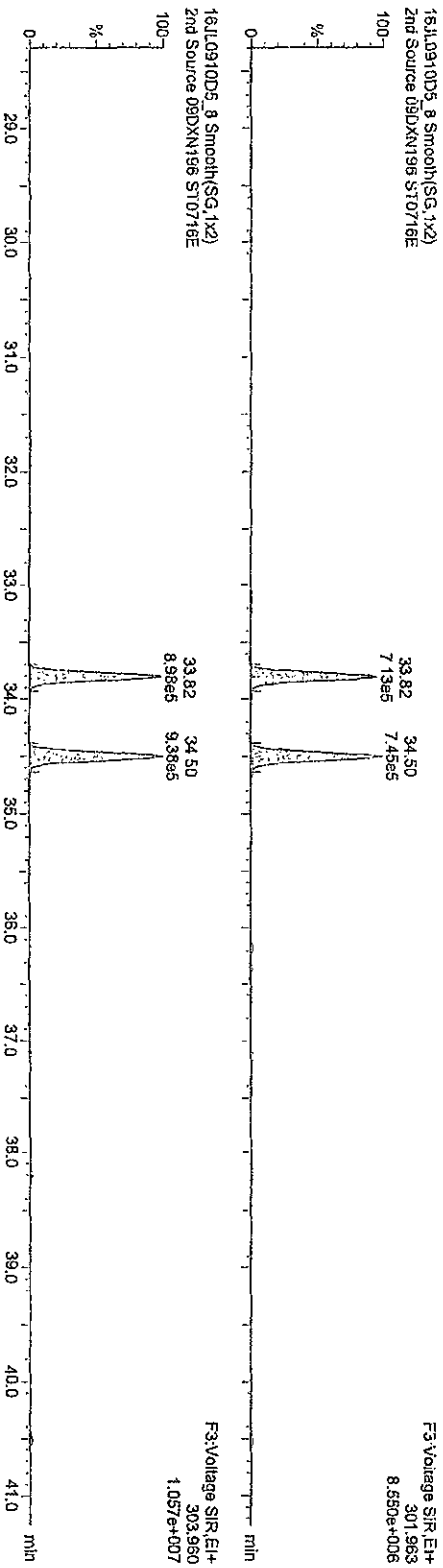
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

TetraPCBs



13C-TetrasPCBs

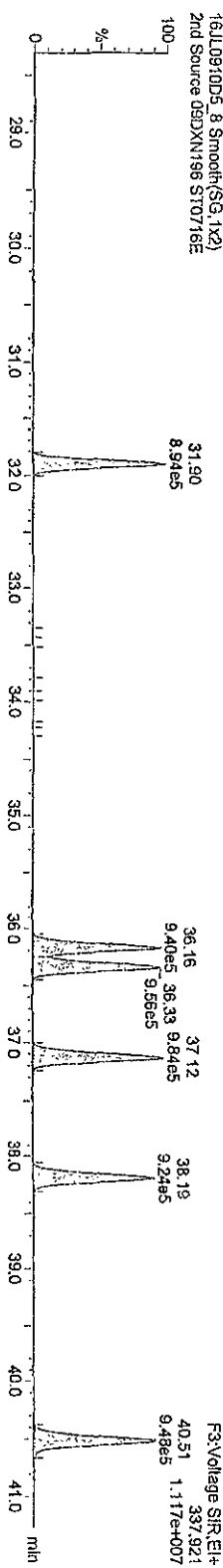
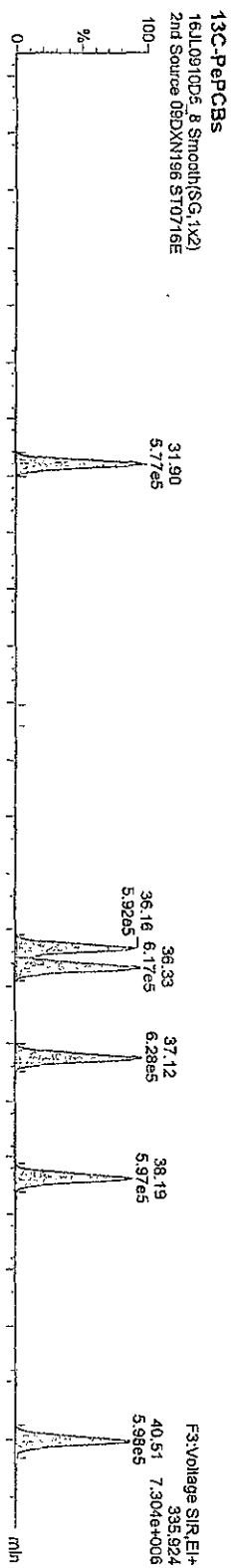
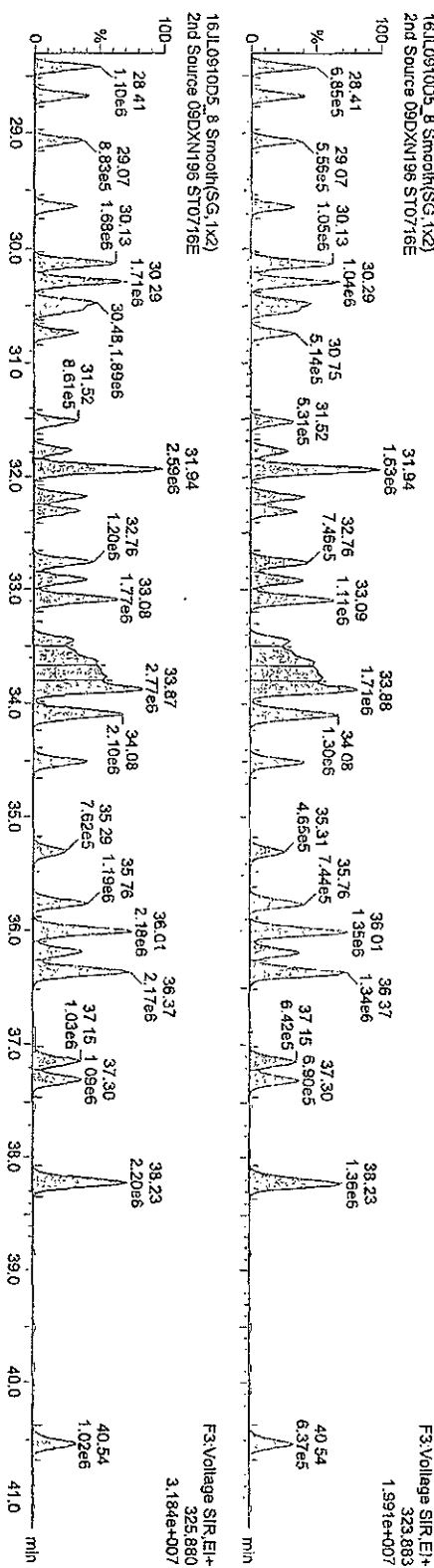


Dataset: C:\Masslynx\Default\proj\CA0716200910D51668\MSLDEC2\2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

PePCBs

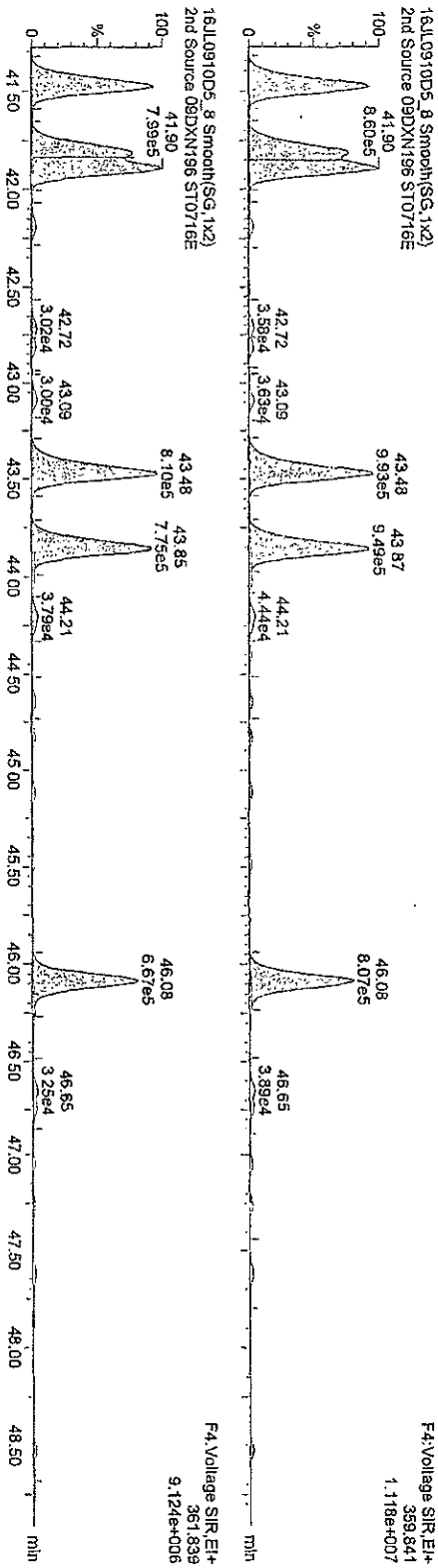


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC2\2ndSource.qld

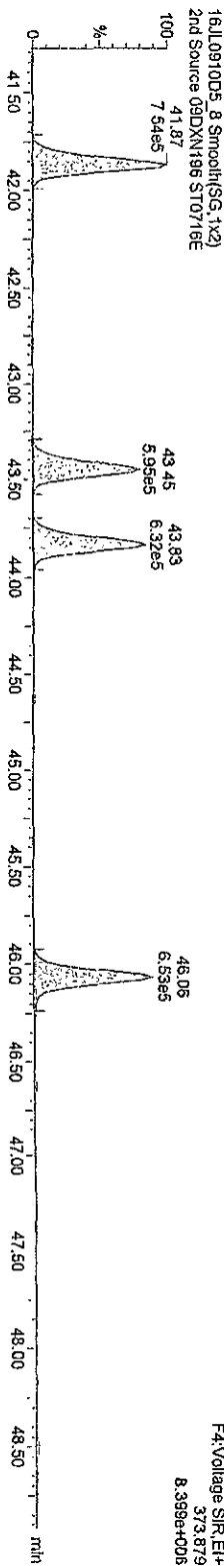
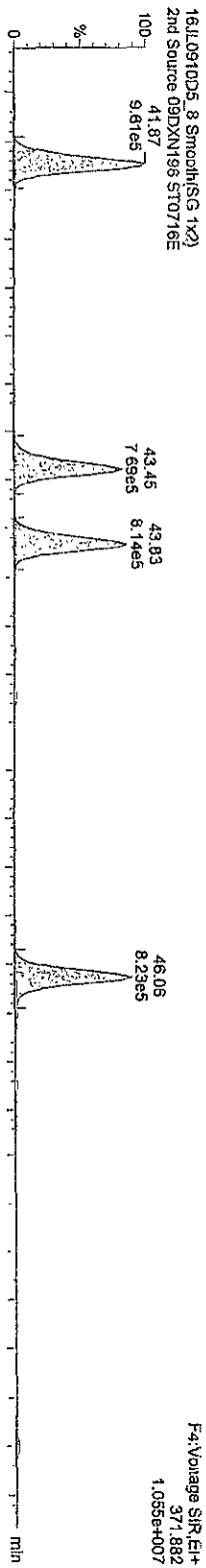
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

HXPCBs-



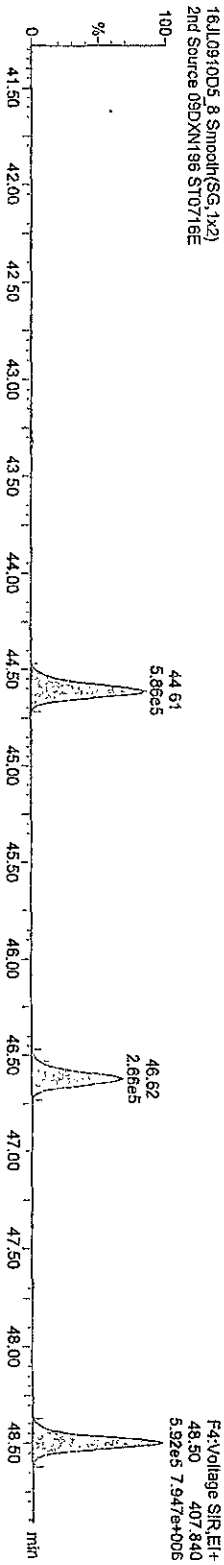
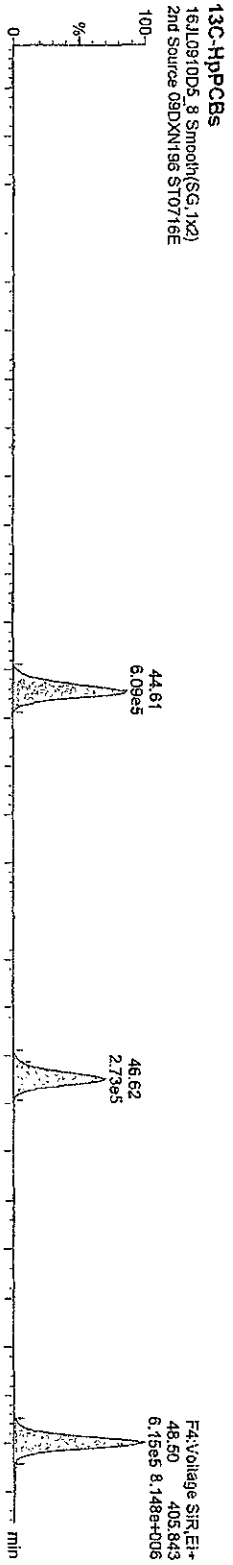
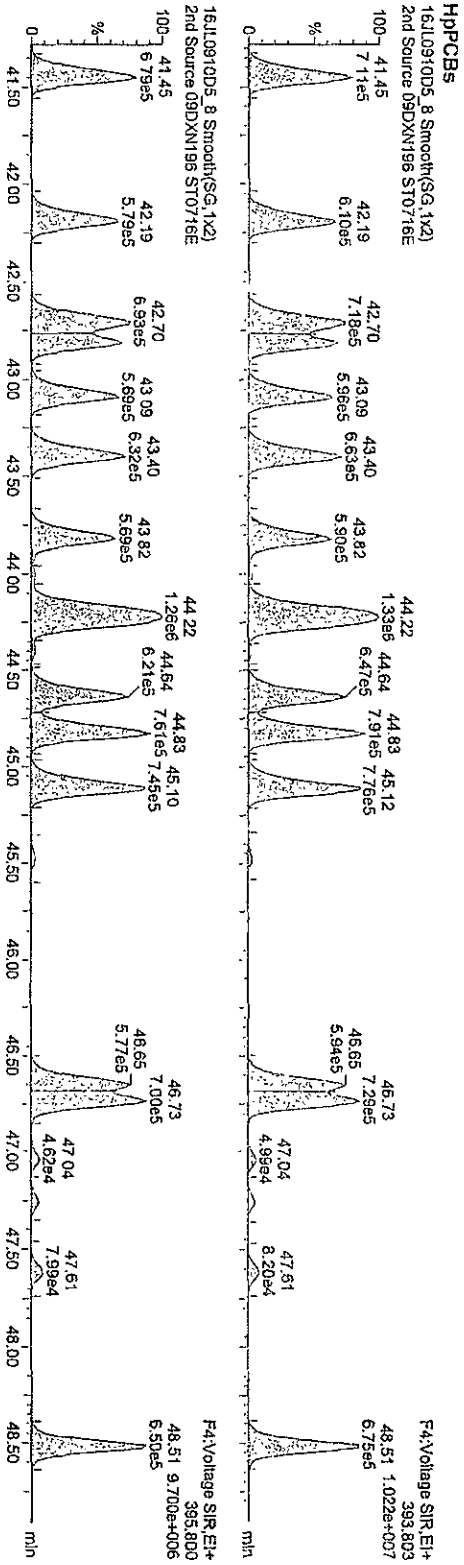
13C-HXPCBs



Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC2\2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

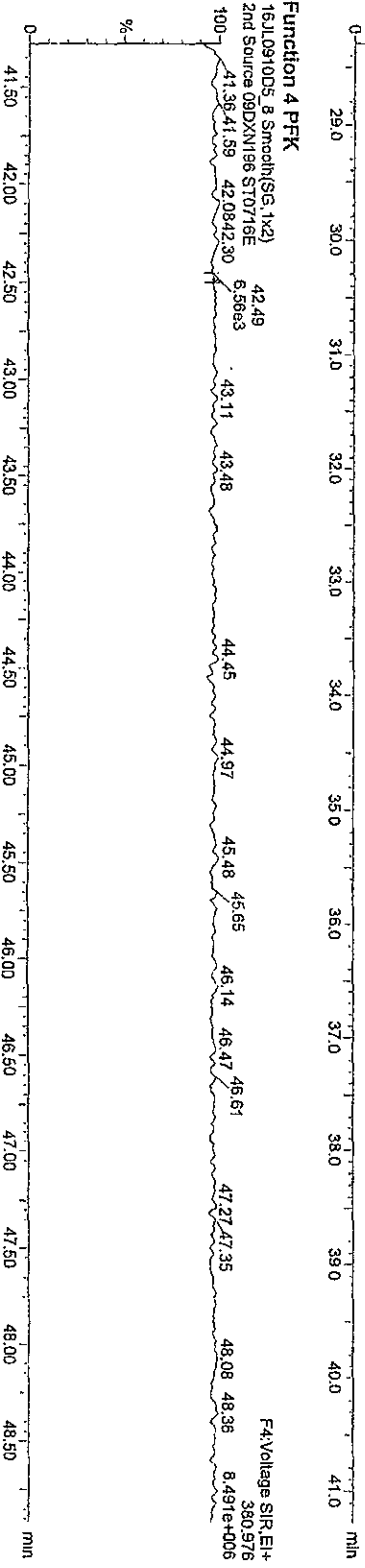
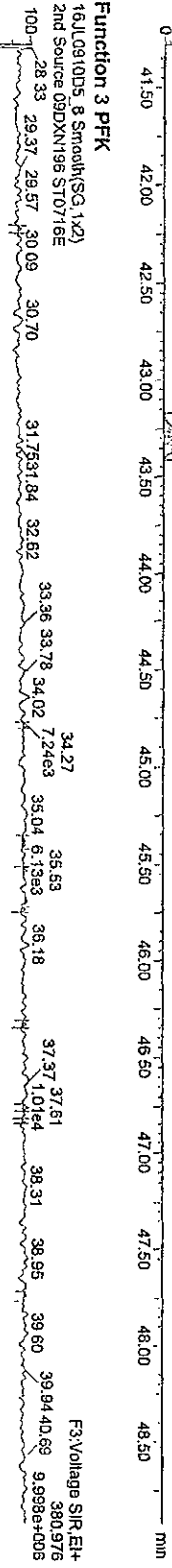
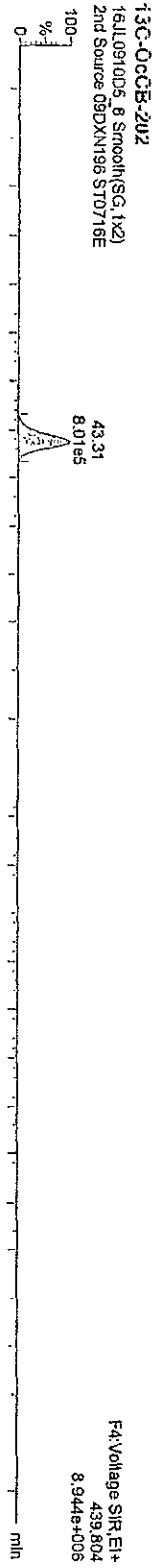




Dataset: C:\Masslynx\Default\proj\CA07162\00910D5\1668MSLDEC2\ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

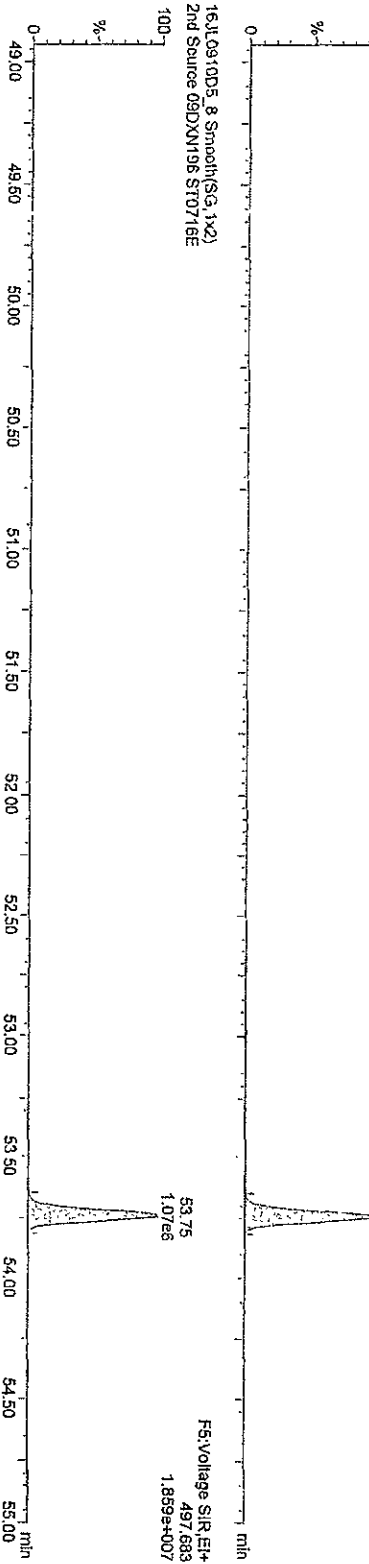


Dataset: C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC2\2ndSource.qid

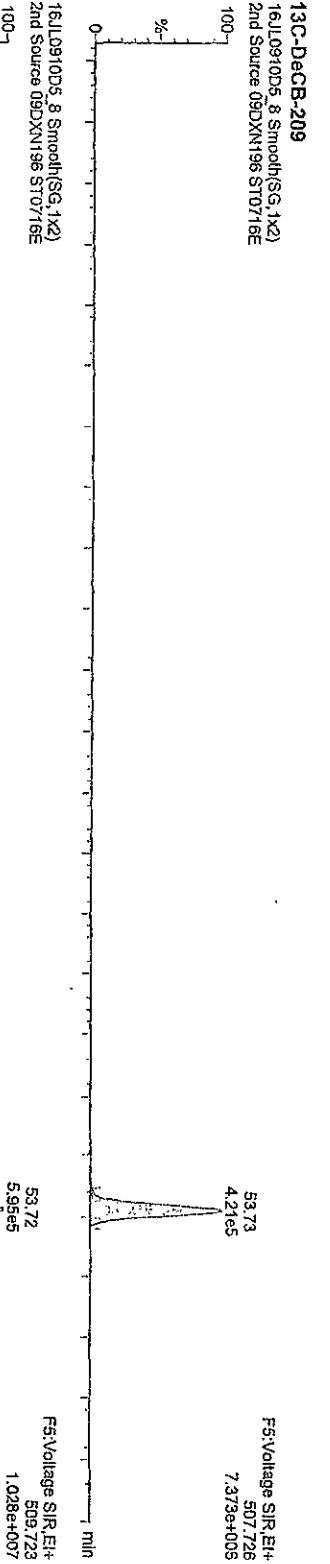
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

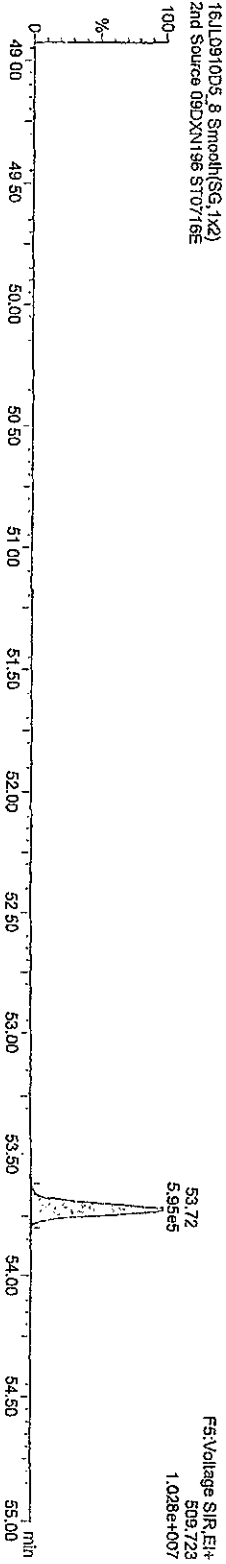
DecB-209  
16JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E



13C-DecB-209  
16JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E



16JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E

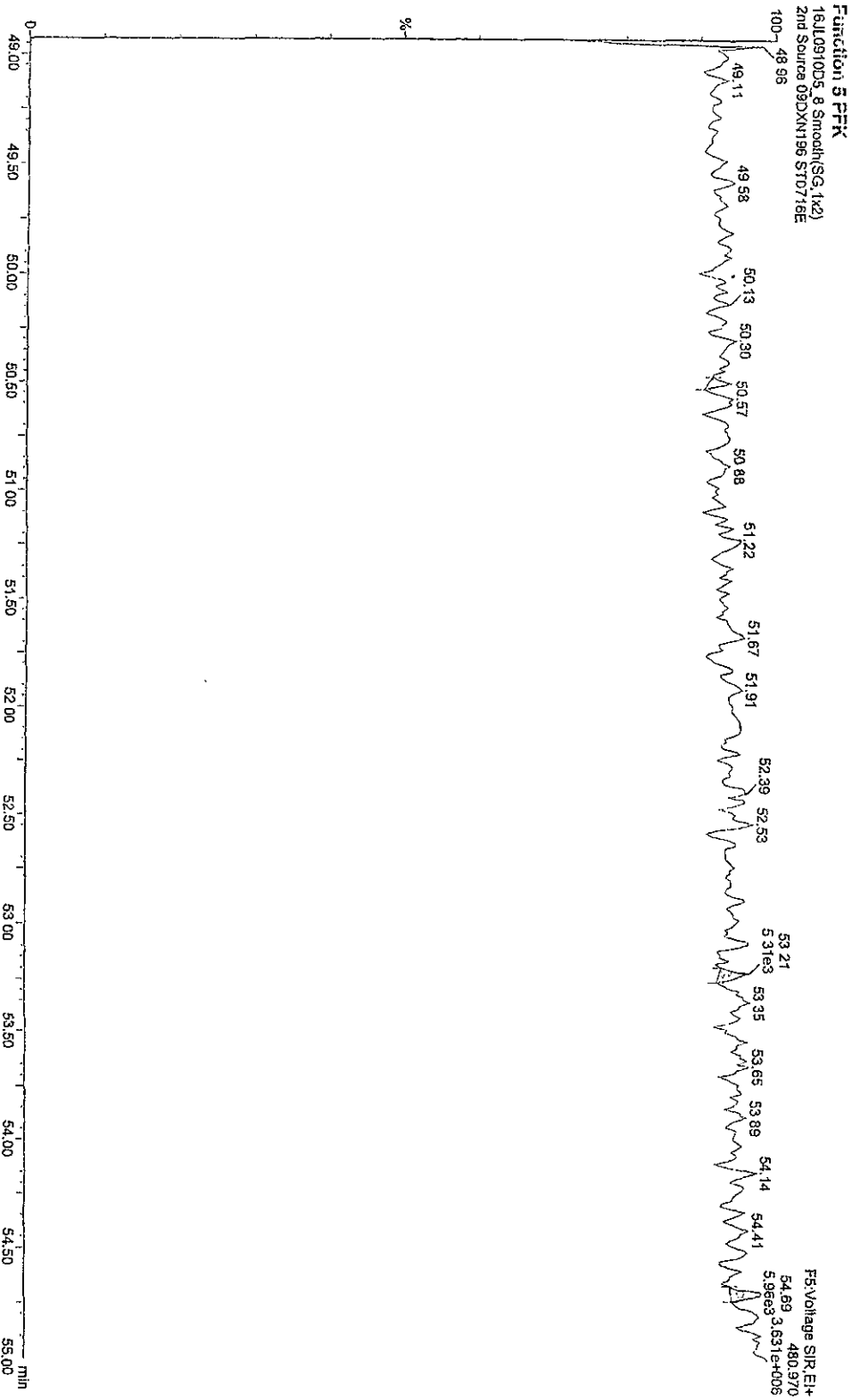


Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSL\DEC2\2ndSource.qid

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time

Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DDXN196



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: Wenck Assoc Lot Number: G91290159 Date: 10/01/09  
 Test: 1668 PCBs Batch Number: 9275225 SOP Reference Number: SAC-ID-0013  
 Extraction: 1 Soxhlet On: 12:00 Off: 6:30 2. Soxhlet On: --- Off: ---

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or $\mu$ L) (circle one)	Final Conc'n
-MB	POF/XAD	10/19/09	10/2/09		20.0	
-LCS					20.0	
G91290159-1					20.0	
-2					20.0	
-3					20.0	
-4					20.0	
-5					20.0	

All Samples/ Internal Standard (IS) addition: Standard Name: PCB Daily IS Exp: 8/24/10  
 Spike ID Number: 09DXN292 Volume: 200  $\mu$ L Conc. 20.0  $\mu$ g/ $\mu$ L  
 Spiked By: [Signature] Witnessed By: [Signature] Date: 10/1/09

LCS/LCSD: Standard Name: PCB Daily NS  
 Spike ID Number: 09DXN186 Volume: 200  $\mu$ L Conc. 200-40.0  $\mu$ g/ $\mu$ L Exp: 5/20/10  
 Spiked By: [Signature] Witnessed By: [Signature] Date: 10/1/09

Pre-spike samples: MB only Standard Name: PCB Daily Sum. Exp: 4/29/10  
 Spike ID Number: 09DXN234 Volume: 40  $\mu$ L Conc. 100  $\mu$ g/ $\mu$ L  
 Spiked By: [Signature] Witnessed By: [Signature] Date: 10/1/09

All Samples /Recovery Standard: Standard Name: Daily RS Exp: 1-28 8-2-2010  
 Spike ID Number: 09DXN1094 Volume: 20.0  $\mu$ L Conc. 100.0  $\mu$ g/ $\mu$ L  
 Spiked By: [Signature] Witnessed By: [Signature] Date: 10/06/09

Spill/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
<u>ML/10/06/09</u>	<u>---</u>	<u>---</u>	<u>T.L/10/06/09</u>	<u>---</u>

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
DCM	JT Baker	<u>NA</u>	20% DCM:Hexane	NA	<u>NA</u>
<u>Toluene</u>	JT Baker	<u>H13 NS1</u>	65% DCM:Hexane	NA	<u>NA</u>
Hexane	JT Baker	<u>H20E18</u>	Silica Gel	<u>Whatman</u>	<u>22-22</u>
H2SO4	JT Baker	<u>NA</u>	Acid Alumina	NA	<u>19</u>

Comments: \_\_\_\_\_

Data Checklist  
HRGCMS/LRGCMS Analyses

Lot ID #: G9I290159 Method ID: 1668  
Sample # \_\_\_\_\_

	<u>DB-5</u>	<u>DB-225</u>
Data Analyst:	<u>AK</u>	_____
Date initiated:	<u>10/19/09</u>	_____
Reviewer:	<u>JW</u>	_____
Date reviewed:	<u>10/22/09</u>	_____

QA/QC verification:	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Daily standard package(s) present?	<u>/</u>	<u>/</u>	_____	_____
-Method Blank present?	<u>/</u>	<u>/</u>	_____	_____
-LCS/DCS copy present and meets native recovery criteria?	<u>/</u>	<u>/</u>	_____	_____
-Internal standard recoveries within limits?*	<u>/</u>	<u>/</u>	_____	_____
-Ion ratios within + 15% of theoretical values?	<u>/</u>	<u>/</u>	_____	_____
-Other QC (Dup,MS,SD) within specs?*	<u>NA</u>	<u>NA</u>	_____	_____

Sample Analysis:	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Correct sample aliquot used?	<u>/</u>	<u>/</u>	_____	_____
-All raw data present?	<u>/</u>	<u>/</u>	_____	_____
-Standard target DL's used? If RL's are used specify: <u>1000</u>	<u>/</u>	<u>/</u>	_____	_____
-DL's below (DL/LCL (please circle)?)	<u>/</u>	<u>/</u>	_____	_____
-All positives reported at levels greater than method blank DL's?	<u>/</u>	<u>/</u>	_____	_____
-Correct RRF's used for method?	<u>/</u>	<u>/</u>	_____	_____
-Internal standard amounts correct for method?	<u>/</u>	<u>/</u>	_____	_____
-Target analytes are not saturated?	<u>/</u>	<u>/</u>	_____	_____
-Dilution/splitting of extract taken into account?	<u>NA</u>	<u>NA</u>	_____	_____
-Have dilution calculations been verified?	<u>NA</u>	<u>NA</u>	_____	_____
-Has a manual calculation for the sequence(s) been verified?	<u>/</u>	<u>/</u>	_____	_____
-Are retention times (RT) correct?	<u>/</u>	<u>/</u>	_____	_____
-Manual integrations checked?	<u>/</u>	<u>/</u>	_____	_____

Comments: (Use other side if necessary)

<b>* Recovery limits:</b>	
NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%*** (C14-C16), 25-130%(C17-B), 70-130%(surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLMD1.D:	25-150%***
Method 1614	25-150%***

<b>**RPD limits:</b>
50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

## Preparation Data Review Checklist

Prep Batch(es)

Test: 1668 PCBs

Prep Date: 10/01/09

Holding Times: 9/5/10 NCM: Y N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMS entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness:  \_\_\_\_\_

Date: 10/1/09

2<sup>nd</sup> Level Reviewer:  \_\_\_\_\_

Date: 10/6/09

Comments:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

R00058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 10/22/09  
Time: 15:40:16

LEV	LEV	LEV	LEV
1	2	1	2
-	Blank	-	Weights/Volumes
-	Check	-	Spike & Surrogate Worksheet
-	MS/MSD	-	Vial contains correct volume
-		-	Labels, greenbars, worksheets
-		-	computer batch: correct & all match
-		-	Anomalies to Extraction Method

\*\*\*\*\*  
 \* QC BATCH: 9275225 \*  
 \* \*\*\*\*\*  
 Expanded Deliverable  
 - COC Completed  
 - Bench Sheet Copied  
 - Package Submitted to AnalyticalGroup  
 - Bench Sheet Copied per COC

Extractionist: \_\_\_\_\_  
 Concentrationist: \_\_\_\_\_  
 Reviewer/Date: \_\_\_\_\_ / 0/00/00  
 PCBS, HRGC/HRMS (1668)  
 SOXHLET (NONE, Na2SO4)

EXTR	EXPR	ANL DUE	LOT# WORK ORDER	MSRNUM# /	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	INIT ADJ1	PH'S ADJ2	EXTRACTION VOL	EXCHANGE VOL	SPIKE STANDARD / SURROGATE ID
9/05/10	10/23/09		G91290159-001	IIM8N-1-AA	D	11	Q8 AIR	1 20.00uL	NA	NA	NA	.0	.0
COMMENTS:													
9/05/10	10/23/09		G91290159-002	IIM8Q-1-AA	D	11	Q8 AIR	1 20.00uL	NA	NA	NA	.0	.0
COMMENTS:													
9/05/10	10/23/09		G91290159-003	IIM8R-1-AA	D	11	Q8 AIR	1 20.00uL	NA	NA	NA	.0	.0
COMMENTS:													
9/05/10	10/23/09		G91290159-004	IIM8T-1-AA	D	11	Q8 AIR	1 20.00uL	NA	NA	NA	.0	.0
COMMENTS:													
9/05/10	10/23/09		G91290159-005	IIM8V-1-AA	D	11	Q8 AIR	1 20.00uL	NA	NA	NA	.0	.0
COMMENTS:													
9/05/10	0/00/00		G9J020000-225	IIMV7-1-AAB		11	Q8 AIR	1 20.00uL	NA	NA	NA	.0	.0
COMMENTS:													
9/05/10	0/00/00		G9J020000-225	IIMV7-1-ACC		11	Q8 AIR	1 20.00uL	NA	NA	NA	.0	.0
COMMENTS:													

R = RUSH C = CLP  
 E = EPA 600 D = EXP. DEL) NUMBER OF WORK ORDERS IN BATCH: 7



M = CLIENT REQ MS/MSD  
↓

# SOLID, D 2216-90, Percent Moisture

# % Moisture/Solid Worksheet

QCBATCH: 9293504

Analyzed by: francisf

Report created: 10/21/09 2:24:43 PM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G9I290159-6	LLM8X1AA	1.32	0.00	0.00	0.00	0.00	0.00	0.1		
G9I290159-7	LLM811AA	1.32	14.13	14.06	0.07	0.55	99.45	0.1		10/21/09 2:23:20 PM
G9J140344-20	LMKQQ1AA	1.31	12.82	12.01	0.81	7.04	92.96	0.1		10/21/09 2:23:30 PM
G9J140344-20	LMKQQ1AU	1.31	15.23	14.35	0.88	6.32	93.68	0.1		10/21/09 2:23:41 PM
G9J140344-21	LMKQT1AA	1.31	10.60	9.69	0.91	9.80	90.20	0.1		10/21/09 2:23:48 PM
G9J140344-22	LMKQX1AA	1.31	15.98	14.84	1.14	7.77	92.23	0.1		10/21/09 2:23:55 PM
G9J140344-23	LMKQ21AA	1.31	11.74	10.72	1.02	9.78	90.22	0.1		10/21/09 2:24:04 PM
G9J140344-24	LMKQ51AA	1.30	13.95	0.00	0.00	0.00	0.00	0.1		

All weights are in grams.

Sample weights (wet & dry) include the weight (tare) of the sample pan.

Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).

% Water = (Wt. Diff. / (sample wet weight - pan tare)) \* 100

% Solid = 100 - percent Water

# % Moisture/Solid Worksheet

QCBATCH: 9293504

Analyzed by: FRANCISF

Report created: 11/3/09 10:30:14 AM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G9I290159-6	LLM8X1AA	1.30	5.08	4.59	0.49	12.96	87.04	0.1		11/3/09 10:30:06 AM
G9I290159-7	LLM811AA	1.32	14.13	14.06	0.07	0.55	99.45	0.1		10/21/09 2:23:20 PM
G9J140344-20	LMKQQ1AA	1.31	12.82	12.01	0.81	7.04	92.96	0.1		10/21/09 2:23:30 PM
G9J140344-20	LMKQQ1AU	1.31	15.23	14.35	0.88	6.32	93.68	0.1		10/21/09 2:23:41 PM
G9J140344-21	LMKQT1AA	1.31	10.60	9.69	0.91	9.80	90.20	0.1		10/21/09 2:23:48 PM
G9J140344-22	LMKQX1AA	1.31	15.98	14.84	1.14	7.77	92.23	0.1		10/21/09 2:23:55 PM
G9J140344-23	LMKQ21AA	1.31	11.74	10.72	1.02	9.78	90.22	0.1		10/21/09 2:24:04 PM
G9J140344-24	LMKQ51AA	1.30	17.01	15.93	1.08	6.87	93.13	0.1		10/22/09 11:28:42 AM

*Sample. G9I290159-6 is on batch*

*# 9307299*

All weights are in grams.  
 Sample weights (wet & dry) include the weight (tare) of the sample pan.  
 Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).  
 $\% \text{ Water} = (\text{Wt. Diff.} / (\text{sample wet weight} - \text{pan tare})) * 100$   
 $\% \text{ Solid} = 100 - \text{percent Water}$

November 27, 2009

TestAmerica Project Number: G9J280227  
PO/Contract: 565

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on October 28, 2009. These samples are associated with your KHF project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

## Table of Contents

### TestAmerica West Sacramento Project Number G9J280227

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4, 5

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

SOLID, 1668, WHO PCB congeners

Samples: 6, 7

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture

Samples: 6, 7

Sample Data Sheets

Laboratory QC Reports

Full Raw Data Package

## Case Narrative

### TestAmerica West Sacramento Project Number G9J280227

#### **AIR, 1668, WHO PCB congeners**

Sample: 1

This sample has a high recovery for the 13C12-PCB 126 internal standard. The quantitation of the target analytes is not adversely impacted by this anomaly as the amount of the target analyte in this sample is well below the detection limit.

Samples: 2, 3

The PCB 77 detection limits have been elevated for these samples due to matrix interferences. The elevated detection limits have been "G" flagged and may be considered maximum possible concentrations.

#### **SOLID, 1668, WHO PCB congeners**

Samples: 6

The PCB 77 detection limit has been elevated for this sample due to matrix interferences. The elevated detection limit has been "G" flagged and may be considered a maximum possible concentration.

Samples: 7

The PCB 77 & PCB 123 detection limits have been elevated for this sample due to matrix interferences. The elevated detection limits have been "G" flagged and may be considered maximum possible concentrations.

Sample: 6

A reduced sample size of approximately 5 grams was extracted for this sample due to its matrix.

There are no other anomalies associated with this project.

**TestAmerica Laboratories West Sacramento Certifications/Accreditations**

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

**QC Parameter Definitions**

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.



## Sample Summary

### TestAmerica West Sacramento Project Number G9J280227

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LNEXF	1	OCT 09-UMSI-T09A	10/3/2009 12:01 AM	10/28/2009 09:05 AM
LNEXT	2	OCT 09-DMSI-T09A	10/3/2009 12:01 AM	10/28/2009 09:05 AM
LNEX9	3	OCT 09-MSP-T09A	10/3/2009 12:01 AM	10/28/2009 09:05 AM
LNE0E	4	OCT 09-COALIN3A-T09A	10/3/2009 12:01 AM	10/28/2009 09:05 AM
LNE0G	5	OCT 09-BLANK-T09A-MSP	10/3/2009 12:01 AM	10/28/2009 09:05 AM
LNE02	6	OCT 09-COALIN3A-VD-1668A	10/26/2009 08:45 AM	10/28/2009 09:05 AM
LNE1C	7	OCT 09-COALIN3A-SOIL-1668A	10/26/2009 08:45 AM	10/28/2009 09:05 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, viscosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Sampler ID \_\_\_\_\_  
 Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

Chain of Custody Record

TAL-4124-280 (0508)

Client: **CHEMICAL WASTE MANAGEMENT, Inc.**  
 Address: **352251 060 SKYLINE ROAD**  
 City: **KETTLEMAN CITY** State: **CA** Zip Code: **93239**

Project Name and Location (State): **KHF**  
 Contract/Purchase Order/Quote No.: **565**

Project Manager: **PAUL TURK** Date: **10/27/09**  
 Telephone Number (Area Code)/Fax Number: **(559) 386-6151** Lab Number: **117470**  
 Site Contact: **STEVEN HOLDBURN** Lab Contact: **KAREN DAHL** Page: **1** of **1**  
 Carrier/Waybill Number: **FRO EX**

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix						Containers & Preservatives											
			Air	Aqueous	Sed.	Soil	V/C	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH						
OCT 09 - UMSI - T09A	10/23/09	0001	X					X												
OCT 09 - UMSI - T09A			X					X												
OCT 09 - MSP - T09A			X					X												
OCT 09 - CALUNGA - T09A			X					X												
OCT 09 - BLANK - T09A - MSP			X					X												
OCT 09 - CALUNGA - VD - 1668A	10/26/09	0845						X												
OCT 09 - CALUNGA - SOIL - 1668A		0845						X												

Special Instructions/Conditions of Receipt

Possible Hazard Identification:  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months longer than 1 month

Turn Around Time Required:  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**

QC Requirements (Specify)

1. Relinquished By: **Steven E Holdburn** Date: **10/27/09** Time: **1700**  
 Received By: **Cheryle** Date: **10/28/09** Time: **1025**

2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments

CLIENT Wendy PM KD LOG # 61580

LOT# (QUANTIMS ID) G9J280227 QUOTE# 81307 LOCATION W140 F-10E

Checked (✓)

DATE RECEIVED 10/28/09 TIME RECEIVED 0905

DELIVERED BY  FEDEX  ON TRAC  CLIENT  
 GOLDENSTATE  UPS  GO-GETTERS  
 TAL COURIER  VALLEY LOGISTICS  OTHER  
 TAL SF

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) 448472

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 4  5  OTHER

COC #(S) 117470

TEMPERATURE BLANK Observed: 3 Corrected: 3

SAMPLE TEMPERATURE

Observed: 3, 2 Average 3 Corrected Average 3

COLLECTOR'S NAME:  Verified from COC  Not on COC Initials W Date 10/28/09

pH MEASURED  YES  ANOMALY  N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW  NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

CLOUSEA  TEMPERATURE EXCEEDED (2 °C - 6 °C)\*1  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

Initials [Signature] Date 2800509

Notes \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Lot ID:                     G9J280227                    

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ							/													
___CGJ						/														
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF	/	/	/	/	/															
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOAs

AIR, 1668,  
WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: OCT 09-UMSI T09A

Trace Level Organic Compounds

Lot-Sample #...: G9J280227-001    Work Order #...: LNEXTFLAA    Matrix.....: AIR  
 Date Sampled...: 10/03/09    Date Received...: 10/28/09  
 Prep Date.....: 10/29/09    Analysis Date...: 11/21/09  
 Prep Batch #...: 9303231  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	N)	1000	pg	EPA-14 1668
PCB 81 (BZ)	N)	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>1100 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	N)	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>2500 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	N)	1000	pg	EPA-14 1668
PCB 126 (BZ)	N)	1000	pg	EPA-14 1668
PCB 156 (BZ)	N)	1000	pg	EPA-14 1668
PCB 157 (BZ)	N)	1000	pg	EPA-14 1668
PCB 167 (BZ)	N)	1000	pg	EPA-14 1668
PCB 169 (BZ)	N)	1000	pg	EPA-14 1668
PCB 189 (BZ)	N)	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	101	(25 - 150)
13C12-PCB 81	100	(25 - 150)
13C12-PCB 118	100	(25 - 150)
13C12-PCB 114	108	(25 - 150)
13C12-PCB 105	100	(25 - 150)
13C12-PCB 126	159 *	(25 - 150)
13C12-PCB 156	104	(25 - 150)
13C12-PCB 157	98	(25 - 150)
13C12-PCB 167	82	(25 - 150)
13C12-PCB 169	94	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	72	(25 - 150)

NOTE(S) :

- C Co-eluting isomer.
- \* Surrogate recovery is outside stated control limits.

Wenck Associates, Inc.

Client Sample ID: OCT 09-DMSI-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9J280227-002    Work Order #...: LNEXT1AA    Matrix.....: AIR  
 Date Sampled...: 10/03/09    Date Received...: 10/28/09  
 Prep Date.....: 10/29/09    Analysis Date...: 11/21/09  
 Prep Batch #...: 9303231  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND G	3100	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	7500 C	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	13000 C	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	102	(25 - 150)
13C12-PCB 81	97	(25 - 150)
13C12-PCB 118	122	(25 - 150)
13C12-PCB 114	120	(25 - 150)
13C12-PCB 105	132	(25 - 150)
13C12-PCB 126	113	(25 - 150)
13C12-PCB 156	97	(25 - 150)
13C12-PCB 157	93	(25 - 150)
13C12-PCB 167	80	(25 - 150)
13C12-PCB 169	57	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	71	(25 - 150)

NOTE(S) :

- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- C Co-eluting isomer

Wenck Associates, Inc.

Client Sample ID: OCT 09-MSP-T09A

Trace Level Organic Compounds

Lot-Sample #....: G9J280227-003    Work Order #....: LNEXT91AA    Matrix.....: AIR  
 Date Sampled....: 10/03/09    Date Received...: 10/28/09  
 Prep Date.....: 10/29/09    Analysis Date...: 11/21/09  
 Prep Batch #....: 9303231  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	1800	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>4.00 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>9.00 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	98	(25 - 150)
13C12-PCB 81	93	(25 - 150)
13C12-PCB 118	119	(25 - 150)
13C12-PCB 114	115	(25 - 150)
13C12-PCB 105	123	(25 - 150)
13C12-PCB 126	134	(25 - 150)
13C12-PCB 156	95	(25 - 150)
13C12-PCB 157	91	(25 - 150)
13C12-PCB 167	78	(25 - 150)
13C12-PCB 169	81	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	76	(25 - 150)

**NOTE(S) :**

- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- C Co-eluting isomer.



Wenck Associates, Inc.

Client Sample ID: OCT 09-COALINGA-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9J280227-004    Work Order #...: LNE0E1AA    Matrix.....: AIR  
 Date Sampled...: 10/03/09    Date Received...: 10/28/09  
 Prep Date.....: 10/29/09    Analysis Date...: 11/21/09  
 Prep Batch #...: 9303231  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>1600 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	104	(25 - 150)
13C12-PCB 81	100	(25 - 150)
13C12-PCB 118	126	(25 - 150)
13C12-PCB 114	122	(25 - 150)
13C12-PCB 105	133	(25 - 150)
13C12-PCB 126	145	(25 - 150)
13C12-PCB 156	98	(25 - 150)
13C12-PCB 157	94	(25 - 150)
13C12-PCB 167	80	(25 - 150)
13C12-PCB 169	78	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	74	(25 - 150)

NOTE(S):

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: OCT 09-BLANK-TO9A-MSP

Trace Level Organic Compounds

Lot-Sample #...: G9J280227-005    Work Order #...: LNE0G1AA    Matrix.....: AIR  
 Date Sampled...: 10/03/09    Date Received...: 10/28/09  
 Prep Date.....: 10/29/09    Analysis Date...: 11/21/09  
 Prep Batch #...: 9303231  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	67	(25 - 150)
13C12-PCB 81	69	(25 - 150)
13C12-PCB 118	85	(25 - 150)
13C12-PCB 114	81	(25 - 150)
13C12-PCB 105	86	(25 - 150)
13C12-PCB 126	91	(25 - 150)
13C12-PCB 156	78	(25 - 150)
13C12-PCB 157	72	(25 - 150)
13C12-PCB 167	62	(25 - 150)
13C12-PCB 169	69	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	79	(25 - 150)

# QC DATA ASSOCIATION SUMMARY

G9J280227

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9303231	
002	AIR	EPA-14 1668		9303231	
003	AIR	EPA-14 1668		9303231	
004	AIR	EPA-14 1668		9303231	
005	AIR	EPA-14 1668		9303231	
006	SOLID	ASTM D 2216-90		9320347	9320174
	SOLID	EPA-14 1668		9302443	
007	SOLID	ASTM D 2216-90		9320347	9320174
	SOLID	EPA-14 1668		9302443	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9J280227      Work Order #...: LNJW31AA      Matrix.....: AIR  
 MB Lot-Sample #: G9J300000-231  
 Prep Date.....: 10/29/09  
 Analysis Date...: 11/21/09      Prep Batch #...: 9303231  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	94	(25 - 150)
13C12-PCB 81	97	(25 - 150)
13C12-PCB 118	99	(25 - 150)
13C12-PCB 114	98	(25 - 150)
13C12-PCB 105	98	(25 - 150)
13C12-PCB 126	97	(25 - 150)
13C12-PCB 156	101	(25 - 150)
13C12-PCB 157	89	(25 - 150)
13C12-PCB 167	56	(25 - 150)
13C12-PCB 169	85	(25 - 150)

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 111	88	(25 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9J280227      Work Order #...: LNJW31AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9J300000-231  
 Prep Date.....: 10/29/09      Analysis Date...: 11/21/09  
 Prep Batch #...: 9303231  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	3970	pg	99	EPA-14 1668
PCB 81 (BZ)	4000	3830	pg	96	EPA-14 1668
PCB 105 (BZ)	4000	4230 C	pg	106	EPA-14 1668
PCB 114 (BZ)	4000	4470	pg	112	EPA-14 1668
PCB 118 (BZ)	4000	4130 C	pg	103	EPA-14 1668
PCB 123 (BZ)	4000	4310	pg	108	EPA-14 1668
PCB 126 (BZ)	4000	4260	pg	107	EPA-14 1668
PCB 156 (BZ)	4000	3800	pg	95	EPA-14 1668
PCB 157 (BZ)	4000	4060	pg	102	EPA-14 1668
PCB 167 (BZ)	4000	4680	pg	117	EPA-14 1668
PCB 169 (BZ)	4000	4550	pg	114	EPA-14 1668
PCB 189 (BZ)	4000	3940	pg	99	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	66	(25 - 150)
13C12-PCB 81	67	(25 - 150)
13C12-PCB 118	80	(25 - 150)
13C12-PCB 114	75	(25 - 150)
13C12-PCB 105	69	(25 - 150)
13C12-PCB 126	84	(25 - 150)
13C12-PCB 156	84	(25 - 150)
13C12-PCB 157	76	(25 - 150)
13C12-PCB 167	57	(25 - 150)
13C12-PCB 169	75	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

C: Co-eluting isomer.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9J280227      Work Order #...: LNJV31AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9J300000-231  
 Prep Date.....: 10/29/09      Analysis Date...: 11/21/09  
 Prep Batch #...: 9303231  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	99	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	96	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	106 C	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	112	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	103 C	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	108	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	107	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	95	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	102	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	117	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	114	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	99	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	66	(25 - 150)
13C12-PCB 81	67	(25 - 150)
13C12-PCB 118	80	(25 - 150)
13C12-PCB 114	75	(25 - 150)
13C12-PCB 105	69	(25 - 150)
13C12-PCB 126	84	(25 - 150)
13C12-PCB 156	84	(25 - 150)
13C12-PCB 157	76	(25 - 150)
13C12-PCB 167	57	(25 - 150)
13C12-PCB 169	75	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

C Co-eluting isomer

SOLID, 1668,  
WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: OCT 09-COALINGA-VD-1668A

Trace Level Organic Compounds

Lot-Sample #....: G9J280227-006    Work Order #....: LNE021AA    Matrix.....: SOLID  
 Date Sampled...: 10/26/09    Date Received...: 10/28/09  
 Prep Date.....: 10/29/09    Analysis Date...: 11/02/09  
 Prep Batch #....: 9302443  
 Dilution Factor: 1.7  
 % Moisture.....: 8.8

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	3.9	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	3.7	pg/g	EPA-14 1668
PCB 105 (BZ)	9.9 C	3.7	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	3.7	pg/g	EPA-14 1668
PCB 118 (BZ)	20 C	3.7	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	3.7	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	3.7	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	3.7	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	3.7	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	3.7	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	3.7	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	3.7	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	85	(25 - 150)
13C12-PCB 81	100	(25 - 150)
13C12-PCB 118	102	(25 - 150)
13C12-PCB 114	96	(25 - 150)
13C12-PCB 105	102	(25 - 150)
13C12-PCB 126	102	(25 - 150)
13C12-PCB 156	112	(25 - 150)
13C12-PCB 157	104	(25 - 150)
13C12-PCB 167	90	(25 - 150)
13C12-PCB 169	80	(25 - 150)
13C12-PCB 189	30	(25 - 150)

**NOTE (S) :**

- Results and reporting limits have been adjusted for dry weight.  
 G Elevated reporting limit. The reporting limit is elevated due to matrix interference  
 C Co-eluting isomer.



Wenck Associates, Inc.

Client Sample ID: OCT 09-COALINGA-SOIL-1668A

Trace Level Organic Compounds

Lot-Sample #...: G9J280227-007    Work Order #...: LNE1C1AC    Matrix.....: SOLID  
 Date Sampled...: 10/26/09    Date Received...: 10/28/09  
 Prep Date.....: 10/29/09    Analysis Date...: 11/02/09  
 Prep Batch #...: 9302443  
 Dilution Factor: 0.94  
 % Moisture.....: 1.4

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	3.7	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	1.9	pg/g	EPA-14 1668
PCB 105 (BZ)	3.9 C	1.9	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	1.9	pg/g	EPA-14 1668
PCB 118 (BZ)	7.3 C	1.9	pg/g	EPA-14 1668
PCB 123 (BZ)	ND G	2.1	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	1.9	pg/g	EPA-14 1668
PCB 156 (BZ)	1.5	1.9	pg/g	EPA-14 1668
PCB 157 (BZ)	4.2	1.9	pg/g	EPA-14 1668
PCB 167 (BZ)	7.4	1.9	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	1.9	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	1.9	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	7%	(25 - 150)
13C12-PCB 81	8%	(25 - 150)
13C12-PCB 118	7%	(25 - 150)
13C12-PCB 114	6%	(25 - 150)
13C12-PCB 105	6%	(25 - 150)
13C12-PCB 126	8%	(25 - 150)
13C12-PCB 156	9%	(25 - 150)
13C12-PCB 157	9%	(25 - 150)
13C12-PCB 167	7%	(25 - 150)
13C12-PCB 169	7%	(25 - 150)
13C12-PCB 189	8%	(25 - 150)

**NOTE(S) :**

- Results and reporting limits have been adjusted for dry weight
- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- C Co-eluting isomer.

# QC DATA ASSOCIATION SUMMARY

G9J280227

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9303231	
002	AIR	EPA-14 1668		9303231	
003	AIR	EPA-14 1668		9303231	
004	AIR	EPA-14 1668		9303231	
005	AIR	EPA-14 1668		9303231	
006	SOLID	ASTM D 2216-90		9320347	9320174
	SOLID	EPA-14 1668		9302443	
007	SOLID	ASTM D 2216-90		9320347	9320174
	SOLID	EPA-14 1668		9302443	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9J280227      Work Order #...: LNHRD1AA      Matrix.....: SOLID  
 MB Lot-Sample #: G9J290000-443  
 Prep Date.....: 10/29/09  
 Analysis Date...: 11/02/09      Prep Batch #...: 9302443  
 Dilution Factor: 1

PARAMETER	RES. JLT	DETECTION		
		LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 81 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 105 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 114 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 118 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 123 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 126 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 156 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 157 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 167 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 169 (BZ)	ND	2.0	pg/g	EPA-14 1668
PCB 189 (BZ)	ND	2.0	pg/g	EPA-14 1668

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C12-PCB 77	72	(25 - 150)
13C12-PCB 81	71	(25 - 150)
13C12-PCB 118	85	(25 - 150)
13C12-PCB 114	81	(25 - 150)
13C12-PCB 105	87	(25 - 150)
13C12-PCB 126	93	(25 - 150)
13C12-PCB 156	86	(25 - 150)
13C12-PCB 157	79	(25 - 150)
13C12-PCB 167	68	(25 - 150)
13C12-PCB 169	78	(25 - 150)
13C12-PCB 189	108	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G9J280227      Work Order #...: LNHRD1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9J290000-443  
 Prep Date.....: 10/29/09      Analysis Date...: 11/02/09  
 Prep Batch #...: 9302443  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	200	161	pg/g	80	EPA-14 1668
PCB 81 (BZ)	200	164	pg/g	82	EPA-14 1668
PCB 105 (BZ)	200	172	pg/g	86	EPA-14 1668
PCB 114 (BZ)	200	183	pg/g	91	EPA-14 1668
PCB 118 (BZ)	200	172	pg/g	86	EPA-14 1668
PCB 123 (BZ)	200	171	pg/g	86	EPA-14 1668
PCB 126 (BZ)	200	171	pg/g	86	EPA-14 1668
PCB 156 (BZ)	200	156	pg/g	78	EPA-14 1668
PCB 157 (BZ)	200	167	pg/g	84	EPA-14 1668
PCB 167 (BZ)	200	187	pg/g	94	EPA-14 1668
PCB 169 (BZ)	200	184	pg/g	92	EPA-14 1668
PCB 189 (BZ)	200	162	pg/g	81	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	80	(25 - 150)
13C12-PCB 81	81	(25 - 150)
13C12-PCB 118	95	(25 - 150)
13C12-PCB 114	89	(25 - 150)
13C12-PCB 105	96	(25 - 150)
13C12-PCB 126	102	(25 - 150)
13C12-PCB 156	93	(25 - 150)
13C12-PCB 157	85	(25 - 150)
13C12-PCB 167	73	(25 - 150)
13C12-PCB 169	84	(25 - 150)
13C12-PCB 189	115	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off error in calculated results  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G9J280227      Work Order #...: LNHRD1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G9J290000-443  
 Prep Date.....: 10/29/09      Analysis Date...: 11/02/09  
 Prep Batch #...: 9302443  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	80	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	82	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	86	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	91	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	86	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	86	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	86	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	78	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	84	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	94	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	92	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	81	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	80	(25 - 150)
13C12-PCB 81	81	(25 - 150)
13C12-PCB 118	95	(25 - 150)
13C12-PCB 114	89	(25 - 150)
13C12-PCB 105	96	(25 - 150)
13C12-PCB 126	102	(25 - 150)
13C12-PCB 156	93	(25 - 150)
13C12-PCB 157	85	(25 - 150)
13C12-PCB 167	73	(25 - 150)
13C12-PCB 169	84	(25 - 150)
13C12-PCB 189	115	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off error in calculated results.

Bold print denotes control parameters

# SOLID, D 2216-90, Percent Moisture

Wanck Associates, Inc.

Client Sample ID: OCT 09--COALINGA--VD-1668A

General Chemistry

Lot-Sample #...: G9J280227-006    Work Order #...: LNE02    Matrix.....: SOLID  
Date Sampled...: 10/26/09    Date Received...: 10/28/09  
% Moisture.....: 8.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Moisture	8.8	0.0	%	ASTM D 2216-90	11/16-11/17/09	9320347

Dilution Factor: 1

Wenck Associates, Inc.

Client Sample ID: OCT 09-COALINGA-SOIL-1668A

General Chemistry

Lot-Sample #...: G9J280227-007    Work Order #...: LNE1C    Matrix.....: SOLID  
Date Sampled...: 10/26/09    Date Received...: 10/28/09  
% Moisture.....: 1.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	1.4	0.00	%	ASTM D 2216-90	11/16-11/17/09	9320347

Dilution Factor: 1



# QC DATA ASSOCIATION SUMMARY

G9J280227

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-16 1668		9303231	
002	AIR	EPA-16 1668		9303231	
003	AIR	EPA-16 1668		9303231	
004	AIR	EPA-16 1668		9303231	
005	AIR	EPA-16 1668		9303231	
006	SOLID	ASTM D 2216-90		9320347	9320174
	SOLID	EPA-16 1668		9302443	
007	SOLID	ASTM D 2216-90		9320347	9320174
	SOLID	EPA-16 1668		9302443	

**SAMPLE DUPLICATE EVALUATION REPORT**

General Chemistry

Client Lot #...: G9J280227

Work Order #...: LNE02-SMP  
LNE02-DUP

Matrix.....: SOLID

Date Sampled...: 10/26/09

Date Received...: 10/28/09

% Moisture.....: 8.8

<u>PARAM RESULT</u>	<u>DUPLICATE RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD LIMIT</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.8	%	7.6	15	(0-20) ASTM D 2216-90	SD Lot-Sample #: G9J280227-006 11/16-11/17/09	9320347

Dilution Factor: 1

AIR, 1668,  
WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

Quantity Sample Summary Report MassLynx 4.1

Dataset: R:\20NOV09\10D51668MSL\Ask.qld

Last Altered: Tuesday, November 24, 2009 11:36:40 Pacific Standard Time  
 Printed: Tuesday, November 24, 2009 11:38:23 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
 Calibration: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 20NOV0910D5\_17, Date: 21-Nov-2009, Time: 05:35:56, ID: LNUW3-1-AA, Description: G9J280227-1MR, Task:

*20-1000*

*Shu/12/09*

#	Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-PeCB-101	335.924	0.500	31.81	31.75	1.00000		1278703.25	4000.0000	4000.0000	100.0	3.60918	0.6401	NO	
2															
3	13C-TeCB-81	301.963	0.500	33.72	33.70	1.03984		1263969.56	3862.5827	3862.5827	96.6	3.58109	0.7814	NO	
4	TeCB-81	289.922	0.500		33.72	1.45839						1.06435		NO	
5	13C-TeCB-77	301.963	0.500	34.41	34.39	1.10430		1324240.88	3751.1984	3751.1984	93.8	3.37206	0.7960	NO	
6	TeCB-77	289.922	0.500		34.41	1.27061						1.22462		NO	
7															
8	13C-PeCB-123	335.924	0.500	36.09	36.07	0.99324		1328257.88	4183.3072	4183.3072	104.6	3.63376	0.6313	NO	
9	PeCB-123	323.883	0.500		36.09	1.50539						0.91982		NO	
10	13C-PeCB-118	335.924	0.500	36.26	36.24	1.02407		1298596.47	3966.7416	3966.7416	99.2	3.52434	0.6274	NO	
11	PeCB-118/106	323.883	0.500	36.29	36.26	1.52536		5387.93	10.8802	10.8802	0.90965	0.5446	NO		
12	13C-PeCB-114	335.924	0.500	37.05	37.02	1.03691		1299388.16	3920.0205	3920.0205	98.0	3.48071	0.6312	NO	
13	PeCB-114	323.883	0.500		37.05	1.58603						0.87630		NO	
14	13C-PeCB-105	335.924	0.500	38.12	38.10	0.98151		1231304.81	3924.2949	3924.2949	98.1	3.67718	0.6251	NO	
15	PeCB-105/112/	323.883	0.500	38.12	38.12	1.43326		2043.22	4.6311	4.6311	1.02000	0.5781	NO		
16	13C-PeCB-126	335.924	0.500	40.45	40.40	1.02999		1279695.59	3886.5557	3886.5557	97.2	3.50410	0.6231	NO	
17	PeCB-126	323.883	0.500		40.45	1.15582						1.31659		NO	
18															
19	13C-OoCB-202	439.804	0.500	43.28	43.16	1.00000		1163376.63	4000.0000	4000.0000	100.0	1.02325	0.8893	NO	
20															
21	13C-HxCB-167	371.882	0.500	41.87	41.82	1.00247		66579.91	2251.9433	2251.9433	56.3	3.57638	1.2705	NO	24-Nov-09
22	HxCB-167	359.841	0.500		41.87	1.34796						4.61328		NO	
23	13C-HxCB-156	371.882	0.500	43.43	43.40	0.78510		921923.66	4037.4515	4037.4515	100.9	4.56653	1.2792	NO	
24	HxCB-156	359.841	0.500		43.43	1.68840						1.72679		NO	
25	13C-HxCB-157	371.882	0.500	43.82	43.79	0.83526		863019.06	3552.5144	3552.5144	88.8	4.29229	1.2674	NO	24-Nov-09
26	HxCB-157	359.841	0.500		43.82	1.65965						1.59271		NO	
27	13C-HxCB-169	371.882	0.500	46.02	46.01	0.87128		865592.28	3415.8315	3415.8315	85.4	4.11488	1.2723	NO	
28	HxCB-169	359.841	0.500		46.02	1.09832						2.64575		NO	
29															
30	13C-HpCB-180	405.843	0.500	44.58	44.58	0.68403		866281.41	4354.3686	4354.3686	108.9	1.90459	1.0553	NO	
31	HpCB-180	393.803	0.500	44.61	44.58	1.30035		921.18	3.2710	3.2710	1.82441	1.0869	NO		

Quantity Sample Summary Report MassLynx 4.1

Dataset: R:\20NO0910D51668MSLAsk.qld

Last Altered: Tuesday, November 24, 2009 11:36:40 Pacific Standard Time  
 Printed: Tuesday, November 24, 2009 11:38:23 Pacific Standard Time

Name: 20NO0910D5\_17, Date: 21-Nov-2009, Time: 05:35:56, ID: LNUW3-1-AA, Description: G9J280227-1MB, Task:

# Name	Trace	Sample Size	RT	Ptd RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
32 13C-HpCB-170	405.843	0.500	46.58	46.58	0.54773		736759.28	4624.8445	1.2270	115.6	2.37852	1.0461	NO	
33 HpCB-170	393.803	0.500	46.59	46.58	1.61501		717.68	2.4126	1.2270		1.75499	0.3522	YES	
34 13C-HpCB-189	405.843	0.500	48.47	48.47	0.69767		885508.94	4363.9816	4.3639816	109.1	1.86735	1.0579	NO	
35 HpCB-189	393.803	0.500			1.23073						1.66839		NO	
36														
37 13C-PeCB-111	335.924	0.500	33.59	33.51	1.30475		1474366.94	3510.8216		87.8	2.97819	0.6258	NO	
38														
39 Function 3 PFK	380.976	1.000			0.00									
40 Function 4 PFK	380.976	1.000			0.00									

Dataset: C:\MassLynx\Default\pro\20NOC0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20NOC0910D5\_17, Date: 21-Nov-2009, Time: 05:35:56, ID: LNUJW3-1-AA, Description: G9J280227-1MB, Task:

*Handwritten initials/signature*

# Name	Trace	Sample Size	RT	Pd/RT	RRE/M	Abs Resp	pg	EMPG	%Rec	FDI	Ratio	Pd Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	0.500	31.81	31.75	1.000	1278703.25	4000.0000	4000.0000	100.0	3.6092	0.640	0.610	NO	
2														
3 13C-TeCB-81	301.963	0.500	33.73	33.70	1.040	1283969.56	3862.5827	3862.5827	96.6	3.5811	0.781	0.770	NO	
4 TeCB-81	289.922	0.500			1.458					1.0644		0.770	NO	
5 13C-TeCB-77	301.963	0.500	34.41	34.39	1.104	1324240.88	3751.1984	3751.1984	93.8	3.3721	0.796	0.770	NO	
6 TeCB-77	289.922	0.500			1.271					1.2246		0.770	NO	
7														
8 13C-PeCB-123	335.924	0.500	36.09	36.07	0.993	1328257.88	4183.3072	4183.3072	104.6	3.6338	0.631	0.610	NO	
9 PeCB-123	323.883	0.500			1.505					0.9198		0.610	NO	
10 13C-PeCB-118	335.924	0.500	36.26	36.24	1.024	1298596.47	3966.7416	3966.7416	99.2	3.5243	0.627	0.610	NO	
11 PeCB-118/106	323.883	0.500	36.29	36.26	1.525	5387.93	10.8802	10.8802	0.9097	0.545	0.545	0.610	NO	
12 13C-PeCB-114	335.924	0.500	37.05	37.02	1.037	1299388.16	3920.0205	3920.0205	98.0	3.4807	0.631	0.610	NO	
13 PeCB-114	323.883	0.500			1.586					0.8763		0.610	NO	
14 13C PeCB-105	335.924	0.500	38.12	38.10	0.982	1231304.81	3924.2949	3924.2949	98.1	3.6772	0.625	0.610	NO	
15 PeCB-105/127	323.883	0.500	38.12	38.12	1.433	2043.22	4.6311	4.6311	1.0200	1.0200	0.578	0.610	NO	
16 13C-PeCB-126	335.924	0.500	40.45	40.40	1.030	1279695.59	3886.5557	3886.5557	97.2	3.5041	0.623	0.610	NO	
17 PeCB-126	323.883	0.500			1.156					1.3166		0.610	NO	
18														
19 13C-OcCB-202	439.804	0.500	43.28	43.16	1.000	1163376.63	4000.0000	4000.0000	100.0	1.0233	0.889	0.890	NO	
20														
21 13C-HXCB-167	371.882	0.500	41.87	41.82	1.002	590633.58	2025.7600	2025.7600	50.6	3.5784	1.269	1.240	NO	
22 HXCB-167	359.841	0.500			1.348					4.6136		1.240	NO	
23 13C-HXCB-156	371.882	0.500	43.43	43.40	0.785	921923.66	4037.4515	4037.4515	100.9	4.5665	1.279	1.240	NO	
24 HXCB-156	359.841	0.500			1.688					1.7268		1.240	NO	
25 13C-HXCB-157	371.882	0.500	43.82	43.79	0.835	816776.69	3362.1632	3362.1632	84.1	4.2923	1.275	1.240	NO	
26 HXCB-157	359.841	0.500			1.660					1.5939		1.240	NO	
27 13C-HXCB-169	371.882	0.500	46.02	46.01	0.871	865592.28	3415.8315	3415.8315	85.4	4.1149	1.272	1.240	NO	
28 HXCB-169	359.841	0.500			1.098					2.6458		1.240	NO	
29														
30 13C-HpCB-180	405.843	0.500	44.58	44.58	0.684	866281.41	4354.3686	4354.3686	108.9	1.9046	1.055	1.050	NO	
31 HpCB-180	393.803	0.500	44.61	44.58	1.300	683.43	2.4268	1.4825	1.8244	2.356	1.050	1.050	YES-	
32 13C-HpCB-170	405.843	0.500	46.58	46.58	0.548	736759.28	4624.8445	4624.8445	115.6	2.3785	1.046	1.050	NO	
33 HpCB-170	393.803	0.500	46.59	46.58	1.615	717.68	2.4126	1.2270	1.7550	0.352	1.050	1.050	YES-	
34 13C-HpCB-189	405.843	0.500	48.47	48.47	0.698	885508.94	4363.9816	4363.9816	109.1	1.8673	1.058	1.050	NO	
35 HpCB-189	393.803	0.500			1.231					1.6684		1.050	NO	



Dataset: C:\MassLynx\Default.pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time

Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20NO0910D5\_17, Date: 21-Nov-2009, Time: 05:35:56, ID: LNJV3-1-AA, Description: G9J280227-1MB, Task:

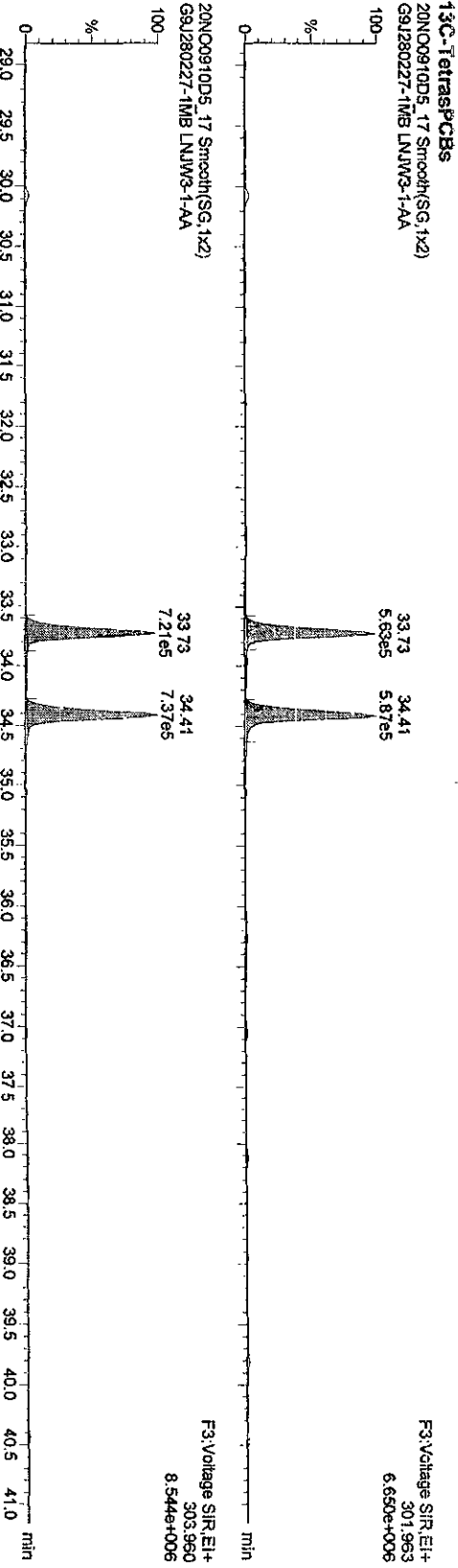
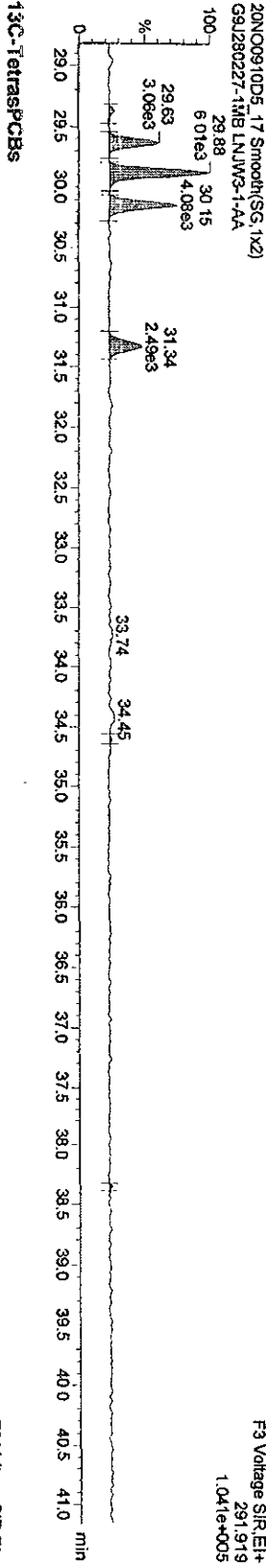
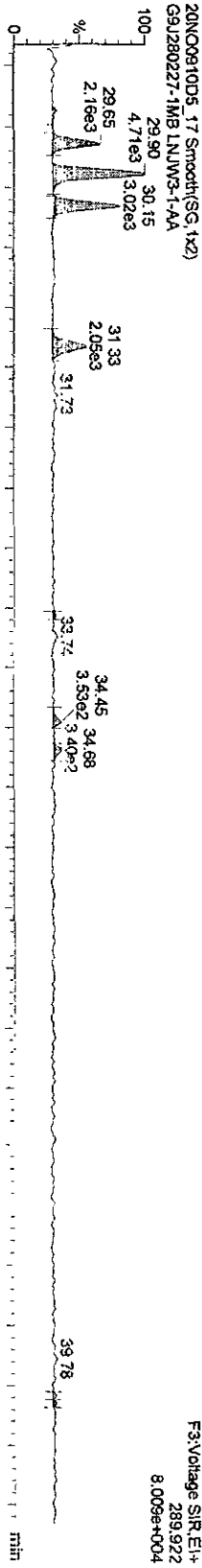
#	Name	Trace	Sample Size	RT	Prod RT	RR	M	Abs Resp	pg	EMPC	% Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
36	37 13C-PeCB-111		0.500	33.59	33.51	1.305		1474366.94	3510.8216		87.8	2.9782	0.626	0.610		NO
38	39 Function 3 PFK		1.000													
40	40 Function 4 PFK		1.000													

Dataset: C:\MassLynx\Default\pro\20NO0910D5\1668MSLA.qid

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NO0910D5\_17, Date: 21-Nov-2009, Time: 05:35:56, ID: LNJW3-1-AA, Description: G9J280227-1MB

TetraPCBs

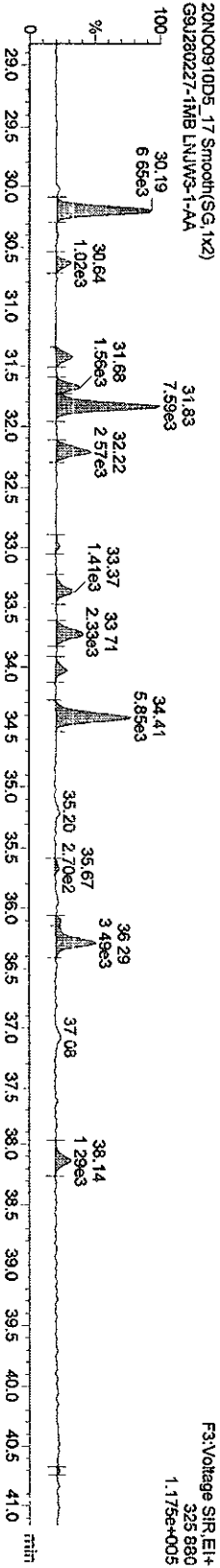
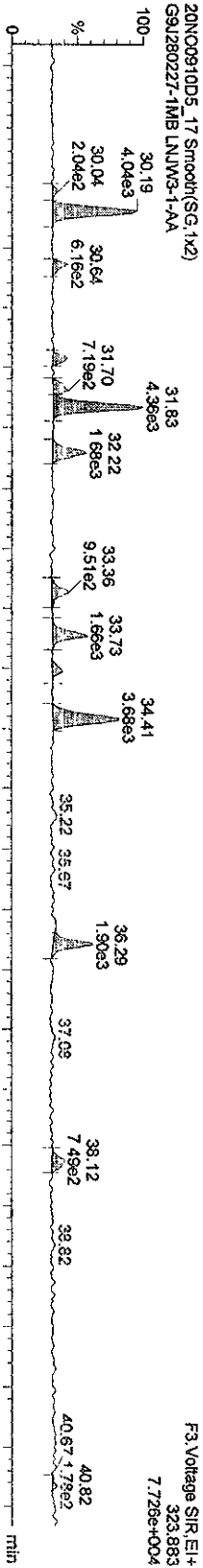


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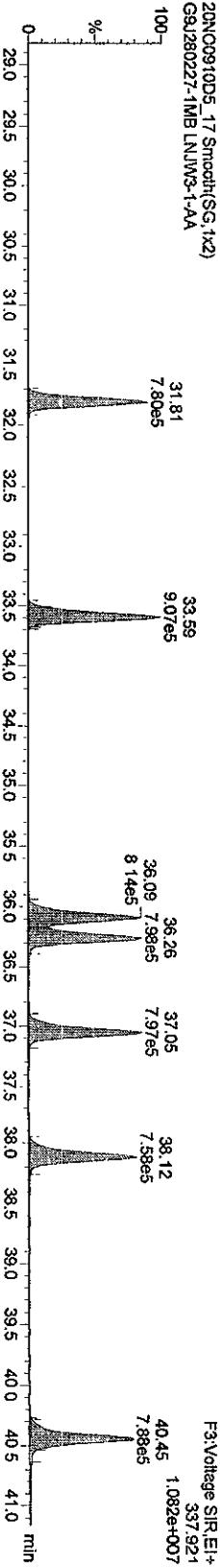
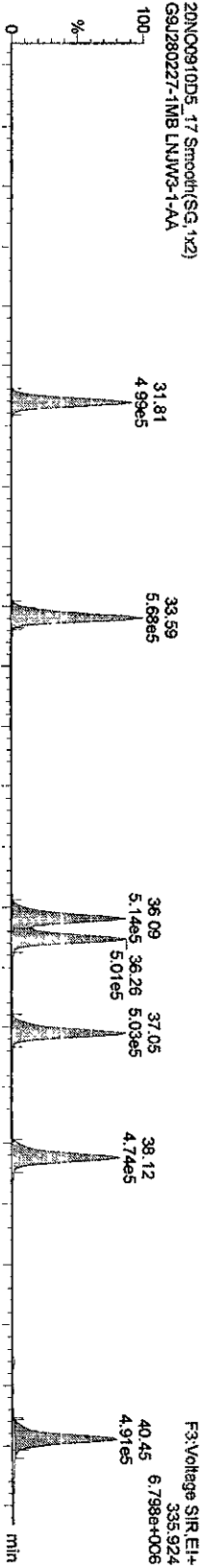
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NOC0910D5\_17, Date: 21-Nov-2009, Time: 05:35:56, ID: LNUW3-1-AA, Description: G9J280227-1MB

PAPCBs



13C-PaPCBs

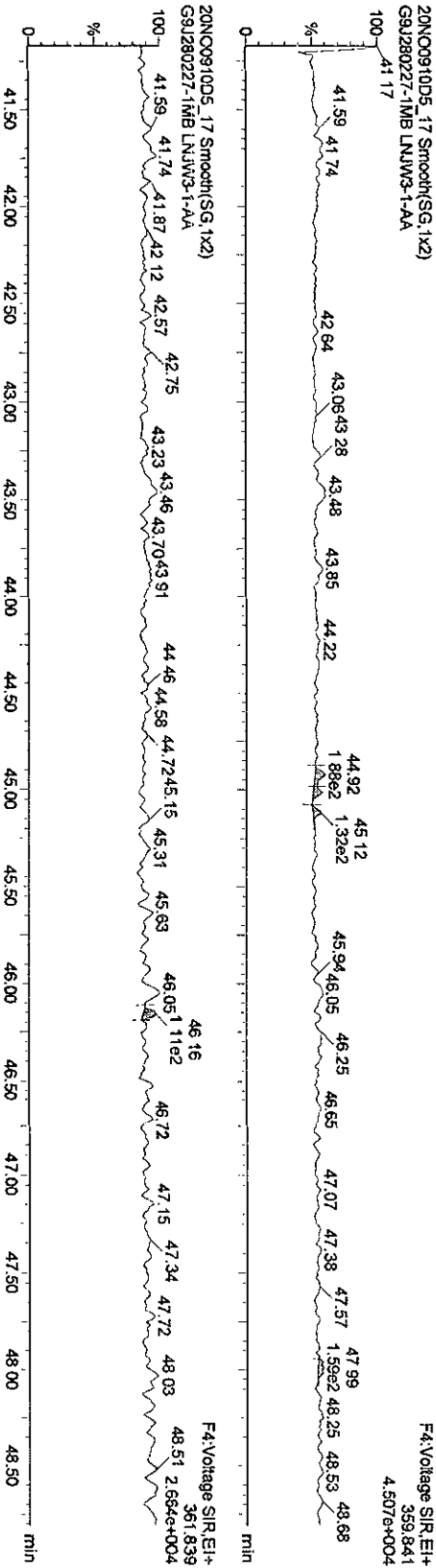


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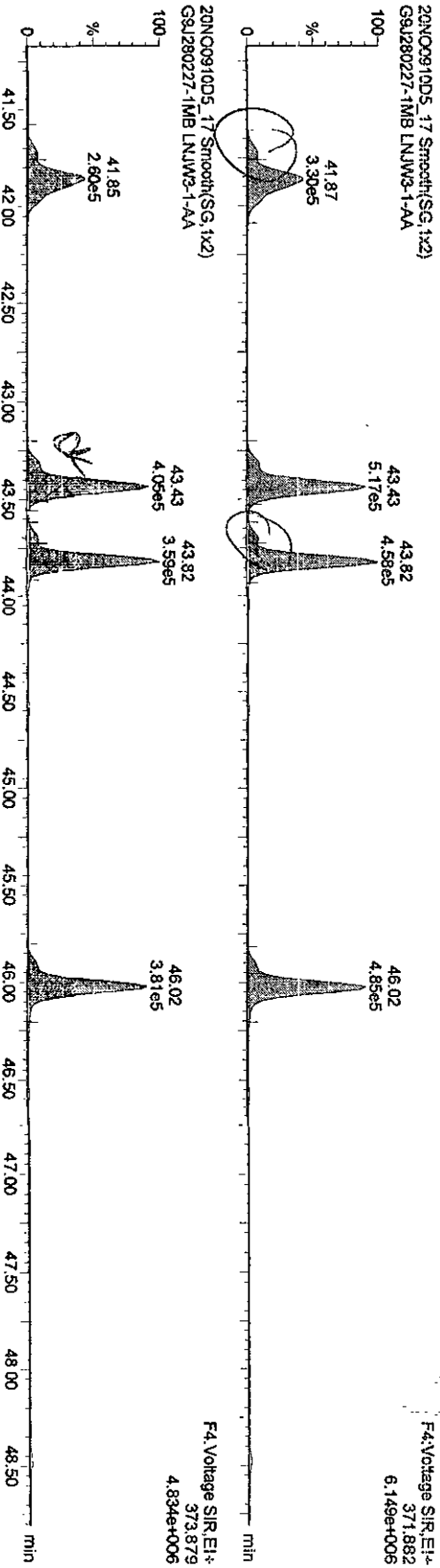
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NOC0910D5\_17, Date: 21-Nov-2009, Time: 05:35:56, ID: LNJV3-1-AA, Description: G9J280227-1MB

HxPCBS-



13C-HxPCBS



Dataset: R:\20NO0910D51668MSLask.qld

Last Altered: Tuesday, November 24, 2009 11:36:40 Pacific Standard Time  
Printed: Tuesday, November 24, 2009 11:37:38 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

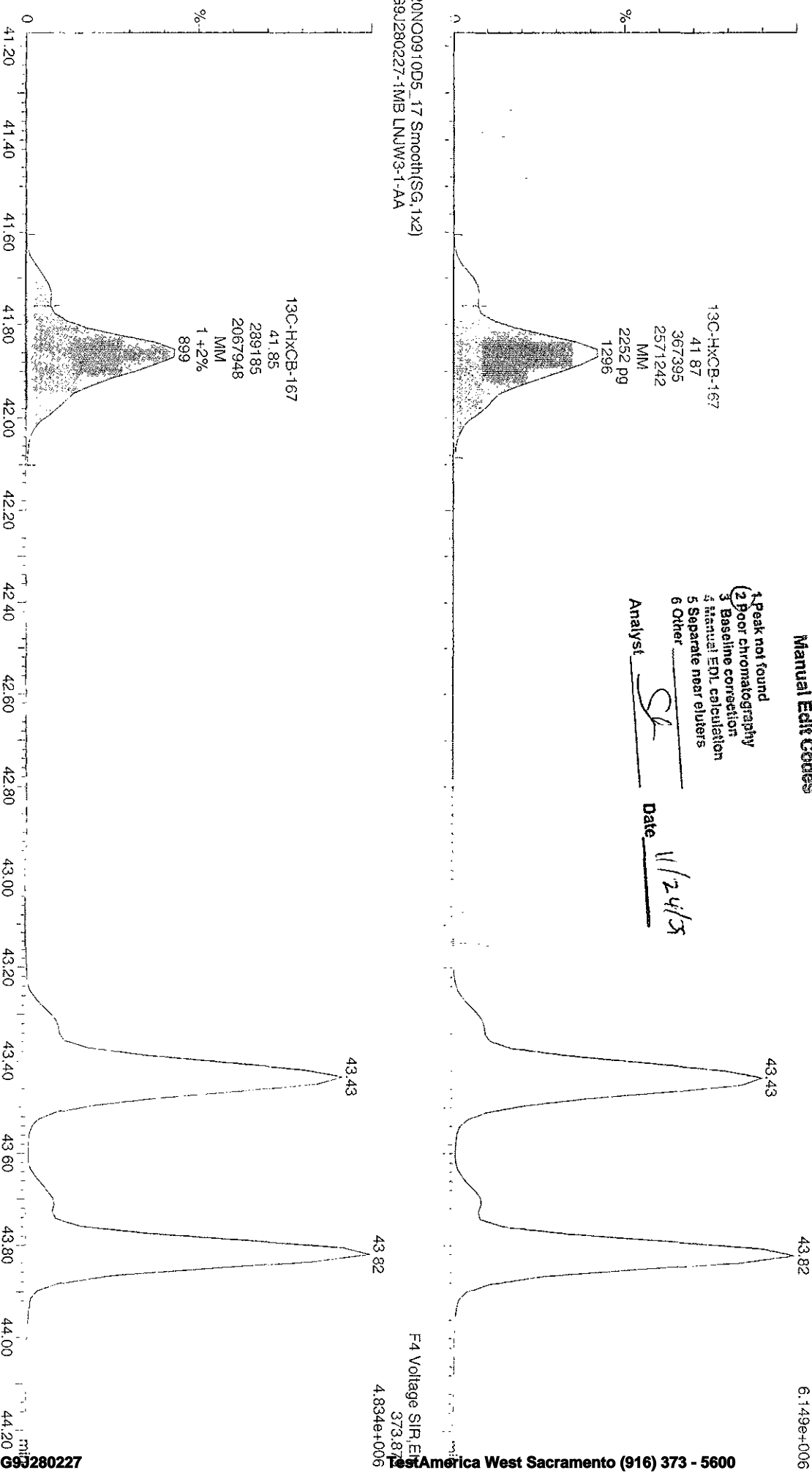
Sample Name: 20NO0910D5\_17

20NO0910D5\_17 Smooth(SG,1x2)  
G9J280227-1MB LNJW3-1-AA

Manual Edit Codes

- 1 Peak not found
  - 2 Poor chromatography
  - 3 Baseline correction
  - 4 Manual EPL calculation
  - 5 Separate near eluters
  - 6 Other
- Analyst SL Date 11/24/09

20NO0910D5\_17 Smooth(SG,1x2)  
G9J280227-1MB LNJW3-1-AA



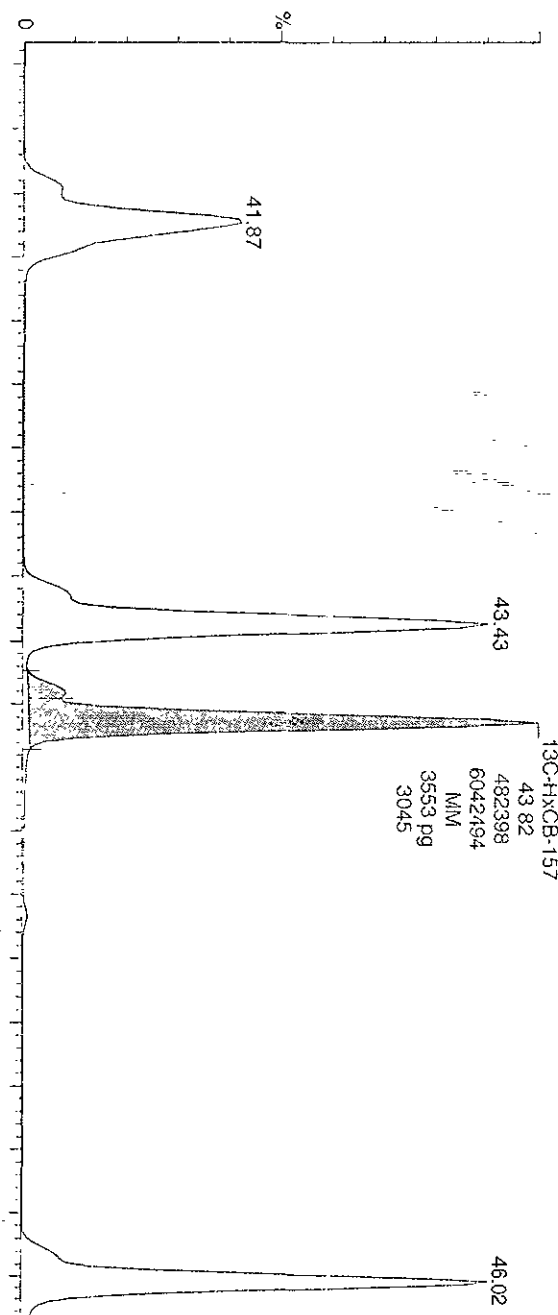
Dataset: R:\20NO0910D51668MSLASK.qld

Last Altered: Tuesday, November 24, 2009 11:36:40 Pacific Standard Time  
Printed: Tuesday, November 24, 2009 11:37:38 Pacific Standard Time

Sample Name: 20NO0910D5\_17

20NO0910D5\_17 Smooth(SG, 1x2)  
G9J280227-1MB LNJW3-1-AA

F4:Voltage SIR\_EI+  
371.882  
6.149e+006



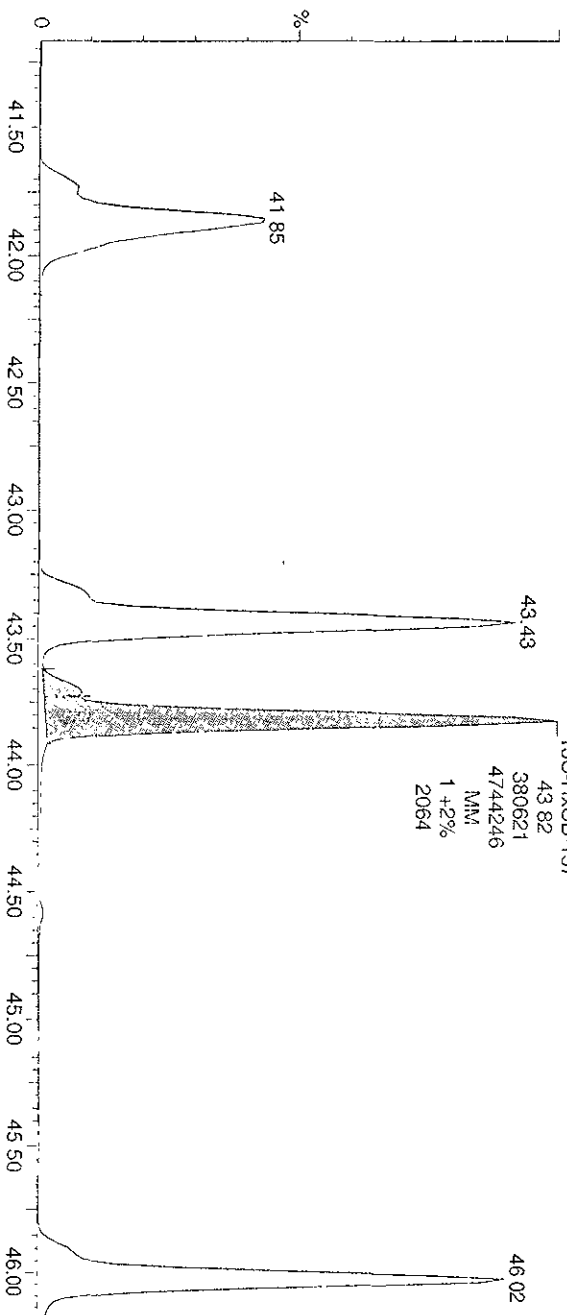
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst SK Date 11/24/09

20NO0910D5\_17 Smooth(SG, 1x2)  
G9J280227-1MB LNJW3-1-AA

F4:Voltage SIR\_EI+  
373.877  
4.834e+006

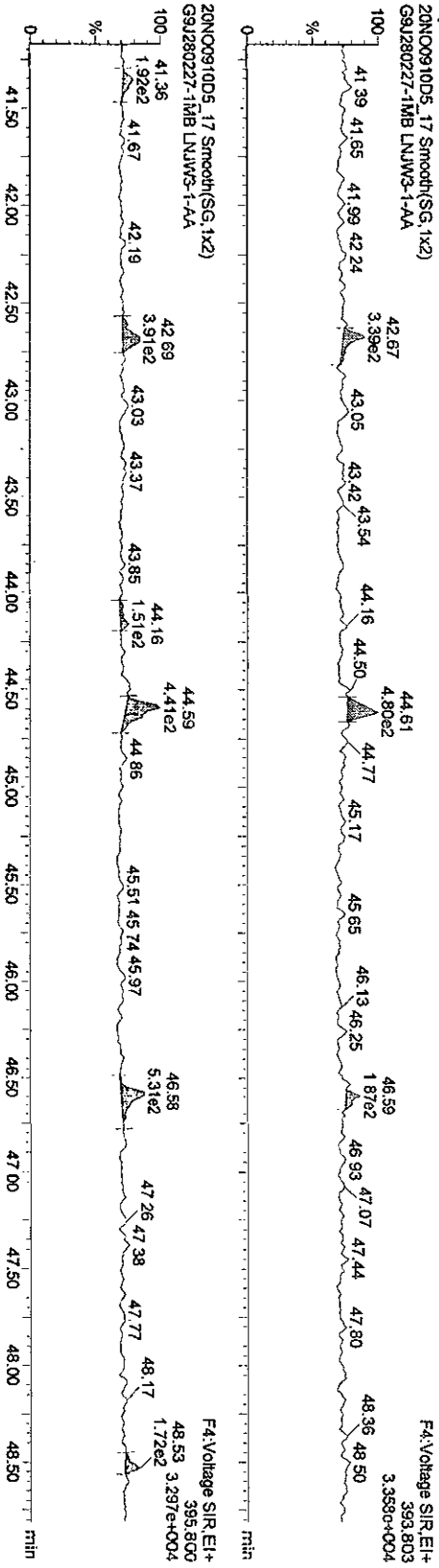


Dataset: C:\Masslynx\Default\pro\20NOO910D51668MSLA.qid

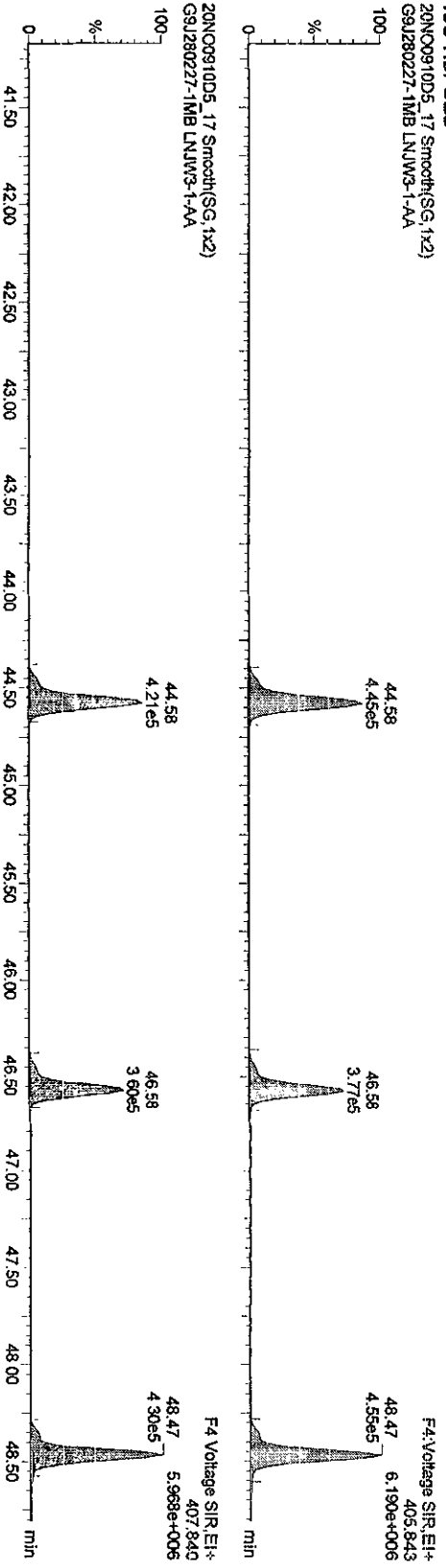
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NOO910D5\_17, Date: 21-Nov-2009, Time: 05:35:56, ID: LNJV3-1-AA, Description: G9J280227-1MB

**HP PCBs**



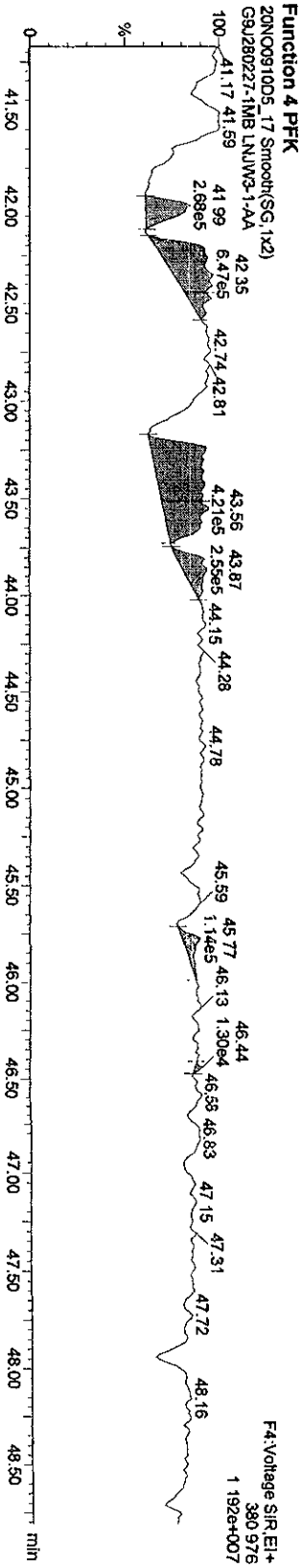
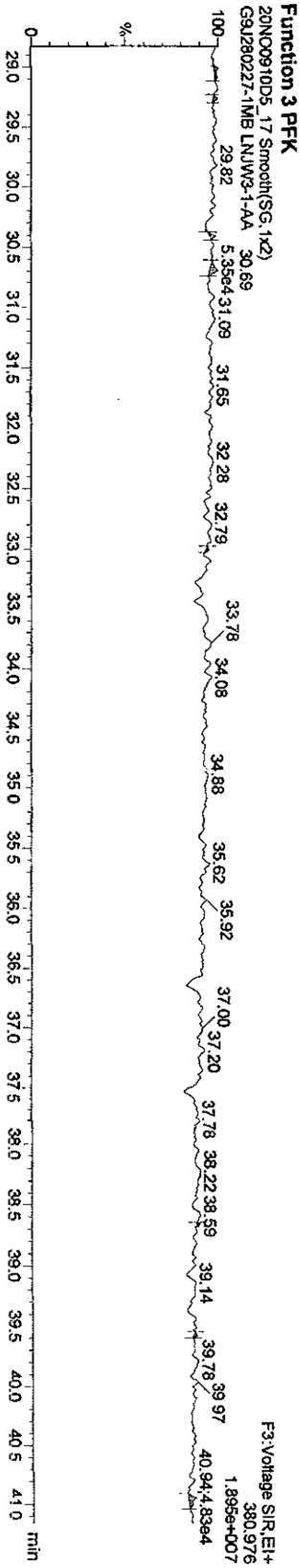
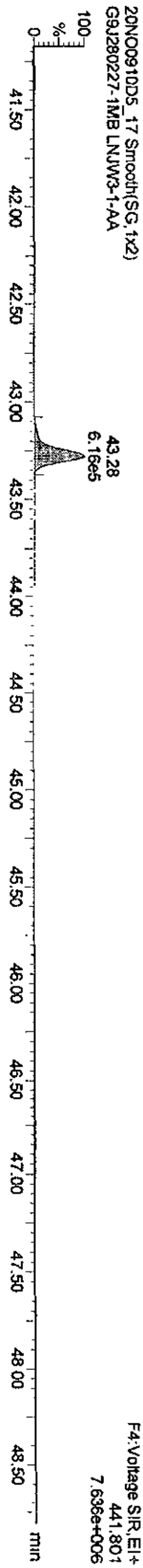
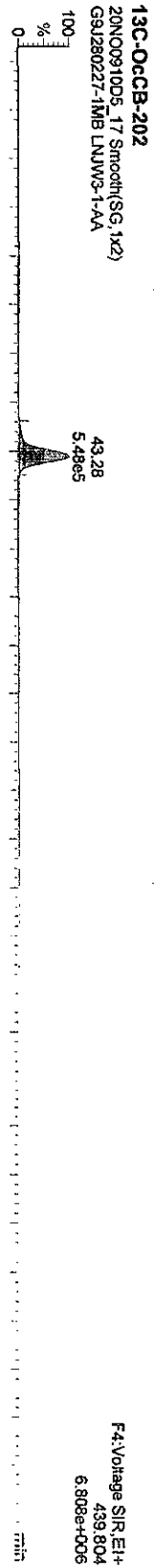
**13C-HP PCBs**



Dataset C:\MassLynx\Default\proj\20NO0910D5\1668MS\LA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NO0910D5\_17, Date: 21-Nov-2009, Time: 05:35:56, ID: LNUW3-1-AA, Description: G9J280227-1MB





Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20NO0910D5\_18, Date: 21-Nov-2009, Time: 06:32:45, ID: LNJW3-1-AC, Description: G9J280227-1LCS, Task:

*Shu 11/24/09*

#	Name	Trace	Sample Size	RT	Pub RT	RR	M	Abn. Resd	NO	EMPC	%Rec	EDI	Ratio	Pro Ratio	Ratio	Mod Date
1	13C-PeCB-101	335.924	0.500	31.78	31.75	1.000		1486563.00	4000.0000	4000.0000	100.0	2.9677	0.626	0.610	NO	
2																
3	13C-TeCB-81	301.963	0.500	33.68	33.67	1.040		1043183.66	2699.4189	2699.4189	67.5	2.7308	0.773	0.770	NO	
4	TeCB-81	289.922	0.500	33.69	33.68	1.458		1456696.06	3829.9714	3829.9714		2.0463	0.742	0.770	NO	
5	13C-TeCB-77	301.963	0.500	34.36	34.36	1.104		1079165.41	2629.5262	2629.5262	65.7	2.5714	0.798	0.770	NO	
6	TeCB-77	289.922	0.500	34.40	34.36	1.271		1361821.94	3972.6600	3972.6600		2.4042	0.761	0.770	NO	
7																
8	13C-PeCB-123	335.924	0.500	36.04	36.04	0.993		1132772.28	3068.7847	3068.7847	76.7	2.9879	0.627	0.610	NO	
9	PeCB-123	323.883	0.500	36.06	36.04	1.505		1839274.88	4314.3558	4314.3558		1.7345	0.622	0.610	NO	
10	13C-PeCB-118	335.924	0.500	36.21	36.21	1.024		1213310.00	3187.9971	3187.9971	79.7	2.8980	0.626	0.610	NO	
11	PeCB-118/106	323.883	0.500	36.23	36.21	1.525		1908863.00	4125.8570	4125.8570		1.6294	0.619	0.610	NO	
12	13C-PeCB-114	335.924	0.500	36.98	36.99	1.037		1153392.50	2993.0433	2993.0433	74.8	2.8621	0.630	0.610	NO	
13	PeCB-114	323.883	0.500	37.01	36.98	1.586		2043339.88	4468.4162	4468.4162		1.6475	0.608	0.610	NO	
14	13C-PeCB-105	335.924	0.500	38.05	38.07	0.982		1008210.78	2763.9733	2763.9733	69.1	3.0236	0.635	0.610	NO	
15	PeCB-105/127	323.883	0.500	38.07	38.05	1.433		1528367.56	4230.6818	4230.6818		2.0925	0.618	0.610	NO	
16	13C-PeCB-126	335.924	0.500	40.37	40.37	1.030		1288714.88	3366.6774	3366.6774	84.2	2.8813	0.629	0.610	NO	
17	PeCB-126	323.883	0.500	40.39	40.37	1.156		1587767.19	4263.8446	4263.8446		2.1256	0.512	0.610	NO	
18																
19	13C-OcCB-202	439.804	0.500	43.17	43.16	1.000		1687329.31	4000.0000	4000.0000	100.0	2.0289	0.893	0.890	NO	
20																
21	13C-HxCB-167	371.882	0.500	41.75	41.71	1.002		960688.75	2271.8154	2271.8154	56.8	2.2422	1.273	1.240	NO	
22	HxCB-167	359.841	0.500	41.76	41.75	1.348		1515699.69	4661.8010	4661.8010		4.5484	1.129	1.240	NO	
23	13C-HxCB-156	371.882	0.500	43.33	43.29	0.785		1116222.59	3370.4171	3370.4171	84.3	2.8629	1.273	1.240	NO	
24	HxCB-156	359.841	0.500	43.34	43.33	1.688		1788131.13	3795.1813	3795.1813		2.8660	1.209	1.240	NO	
25	13C-HxCB-157	371.882	0.500	43.70	43.68	0.835		1075650.25	3053.4286	3053.4286	76.3	2.6910	1.264	1.240	NO	
26	HxCB-157	359.841	0.500	43.73	43.70	1.660		1814221.25	4064.2642	4064.2642		2.9114	1.218	1.240	NO	
27	13C-HxCB-169	371.882	0.500	45.90	45.90	0.871		1106784.25	3011.3866	3011.3866	75.3	2.5798	1.265	1.240	NO	
28	HxCB-169	359.841	0.500	45.93	45.90	1.098		1382752.06	4550.0231	4550.0231		4.4982	1.173	1.240	NO	
29																
30	13C-HpCB-180	405.843	0.500	44.47	44.47	0.664		1004988.69	3482.9549	3482.9549	87.1	2.1725	1.050	1.050	NO	
31	HpCB-180	393.803	0.500	44.49	44.47	1.300		1356449.13	4151.8494	4151.8494		2.6153	1.026	1.050	NO	
32	13C-HpCB-170	405.843	0.500	46.47	46.47	0.548		9039316.06	3912.1915	3912.1915	97.8	2.7132	1.049	1.050	NO	
33	HpCB-170	393.803	0.500	46.49	46.47	1.615		1448351.88	3968.5436	3968.5436		2.3518	1.028	1.050	NO	
34	13C-HpCB-189	405.843	0.500	48.36	48.36	0.668		1172123.81	3982.7581	3982.7581	99.6	2.1301	1.045	1.050	NO	
35	HpCB-189	393.803	0.500	48.38	48.36	1.231		1422001.63	3942.9809	3942.9809		2.1840	1.032	1.050	NO	

Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\20NOO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20NOO0910D5\_18, Date: 21-Nov-2009, Time: 06:32:45, ID: LNJW3-1-AC, Description: G9J280227-1LCS, Task:

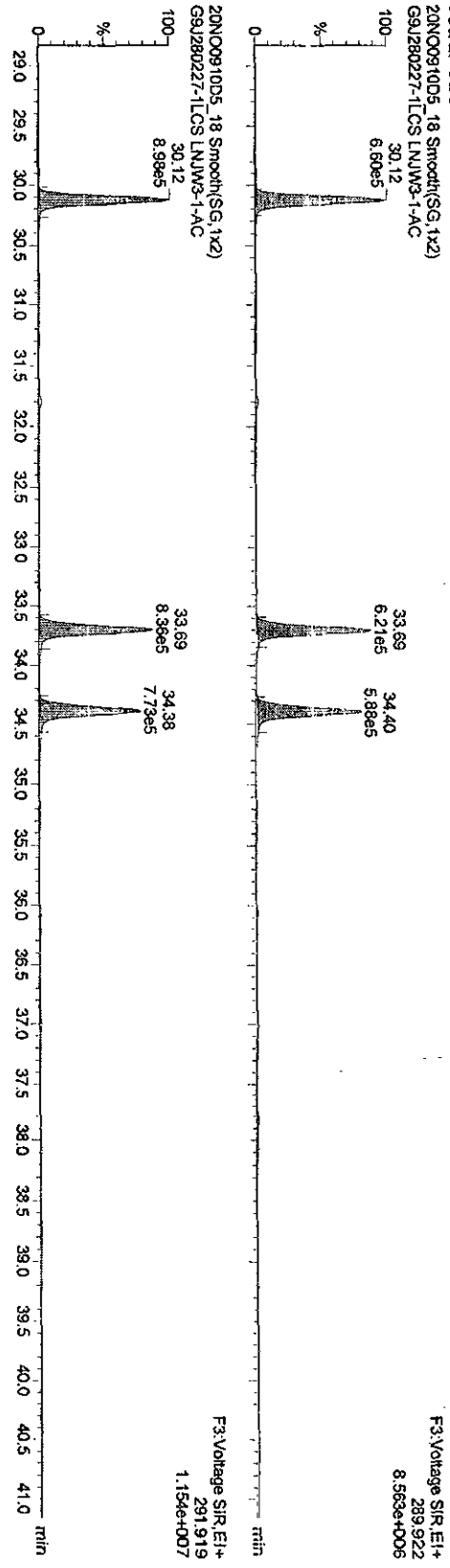
# Name	Trace	Sample Size	RT	Prod RT	RRF.M	Abs Resp	EDL	Ratio	Prod Ratio	Ratio	Mod Date
36											
37	13C-PECB-111	335.924	0.500		33.51	1.305					
38							3.2018		0.610	NO	
39	Function 3 PFK	380.976	1.000		0.00						
40	Function 4 PFK	380.976	1.000		0.00						

Dataset: C:\MassLynx\Default.pro\20N00910D51668MSLA.qld

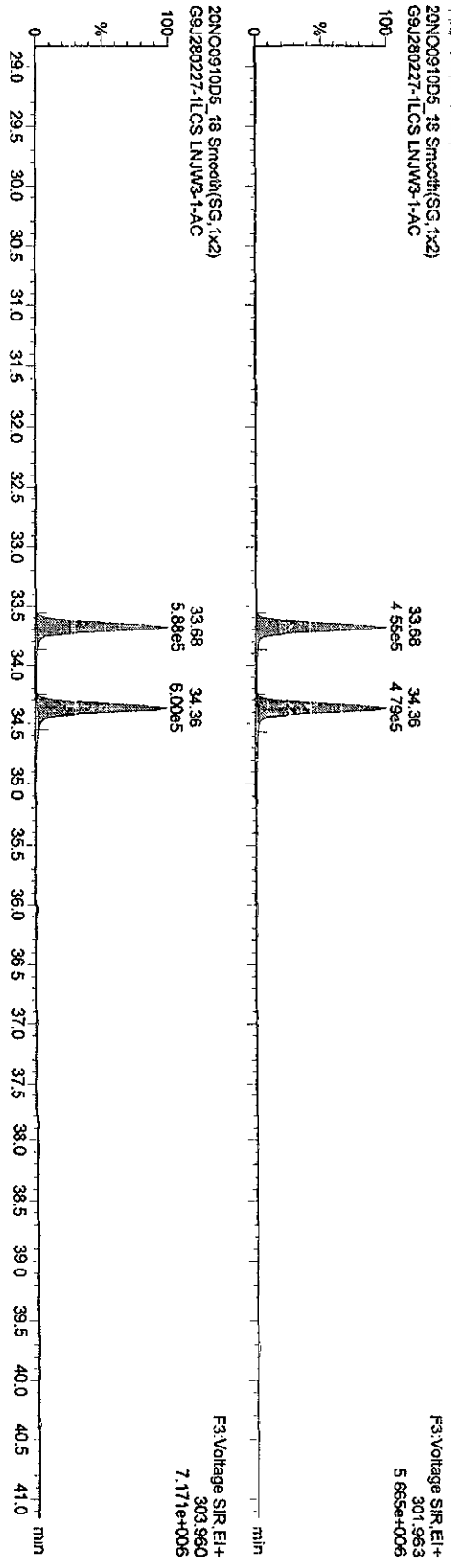
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_18, Date: 21-Nov-2009, Time: 06:32:45, ID: LNJW3-1-AC, Description: G9J280227-1LCS

**TetraPCBs**



**13C-TetraPCBs**

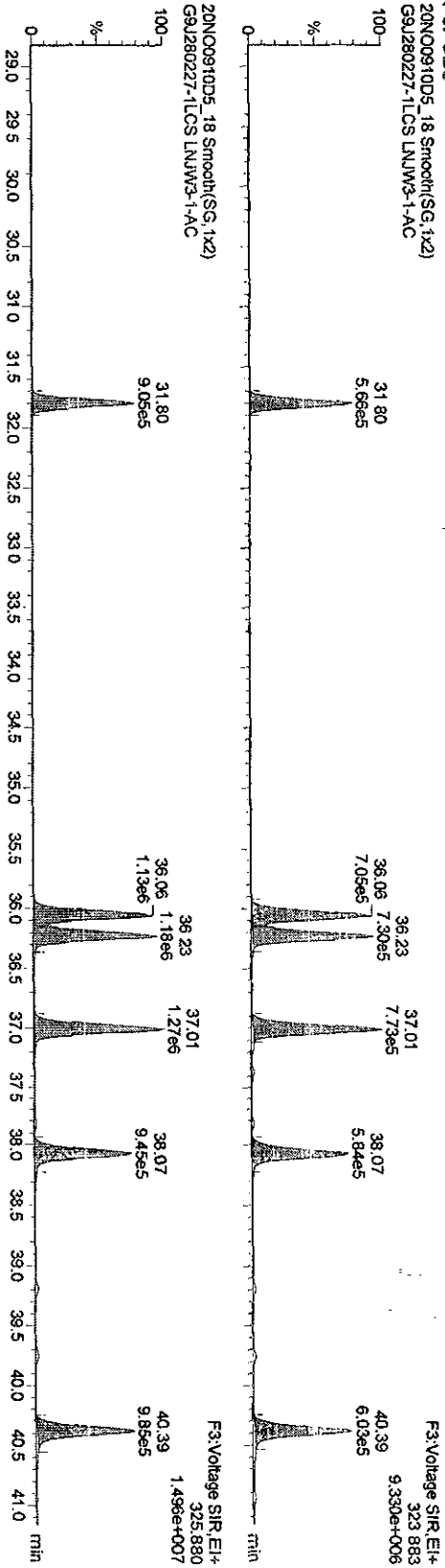


Dataset: C:\Masslynx\Default\pro\20N00910D51668MSLA.qld

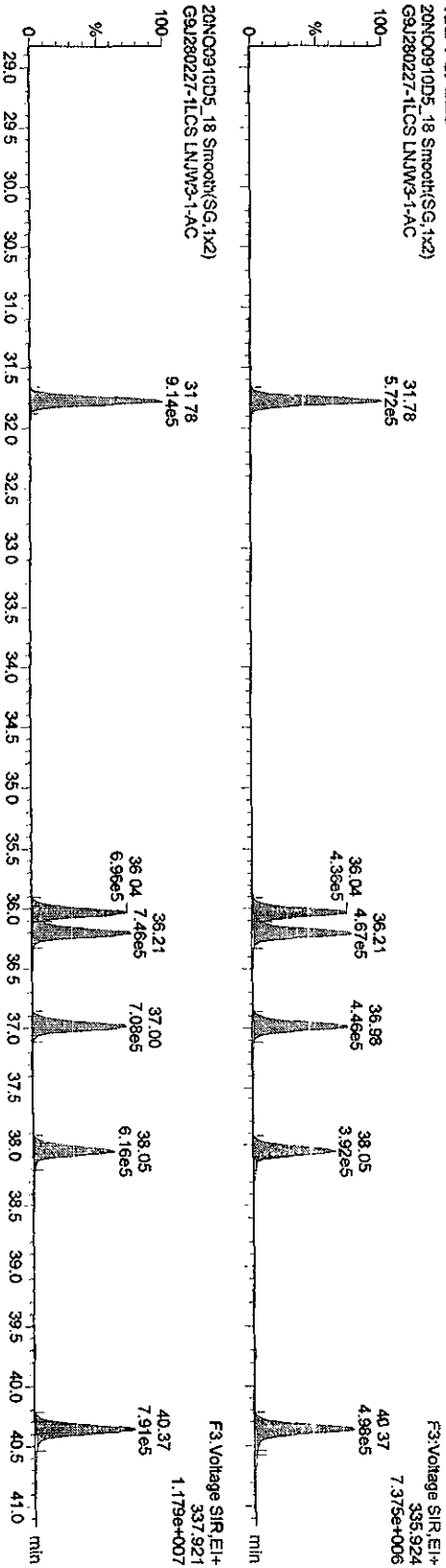
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_18, Date: 21-Nov-2009, Time: 06:32:45, ID: LNUW3-1-AC, Description: G9J280227-1LCS

**PaPCBs**



**13C-PePCBs**

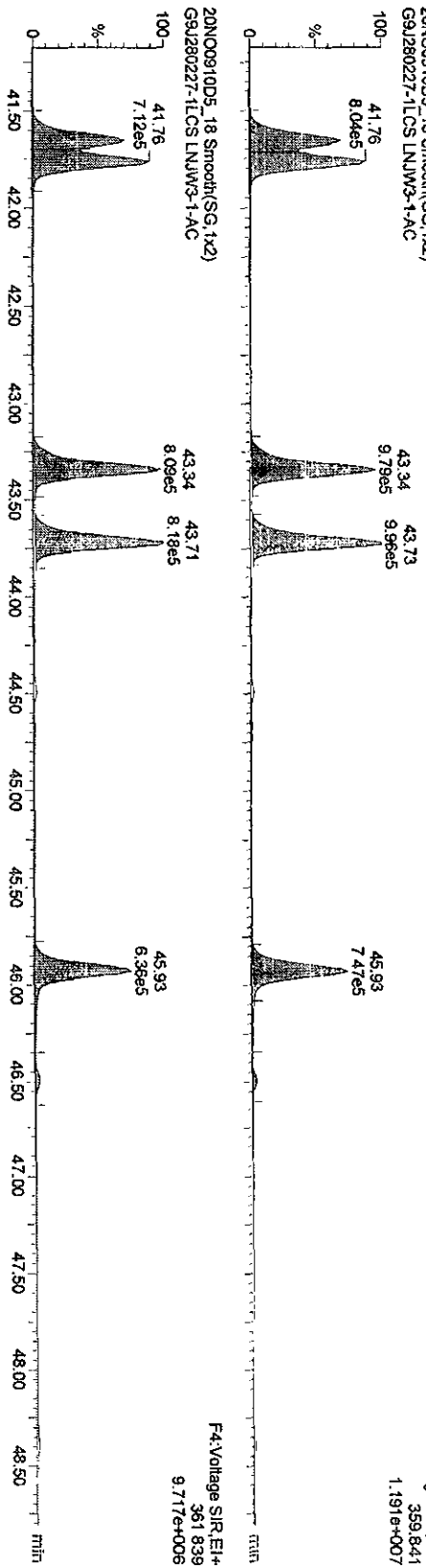


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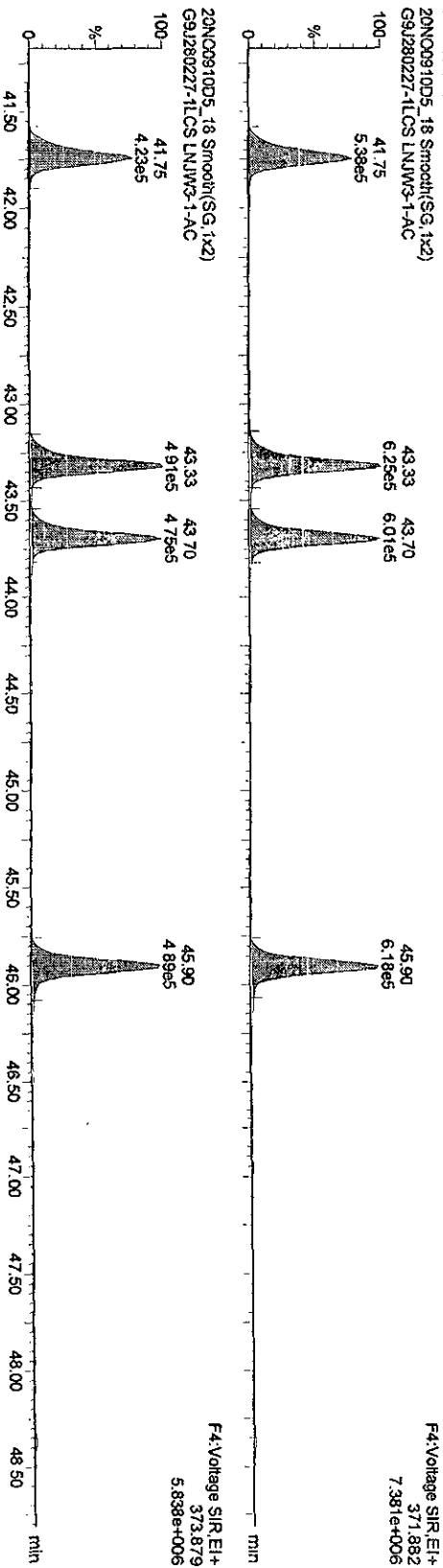
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Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_18, Date: 21-Nov-2009, Time: 06:32:45, ID: LNUW3-1-AC, Description: G9J280227-1LCS

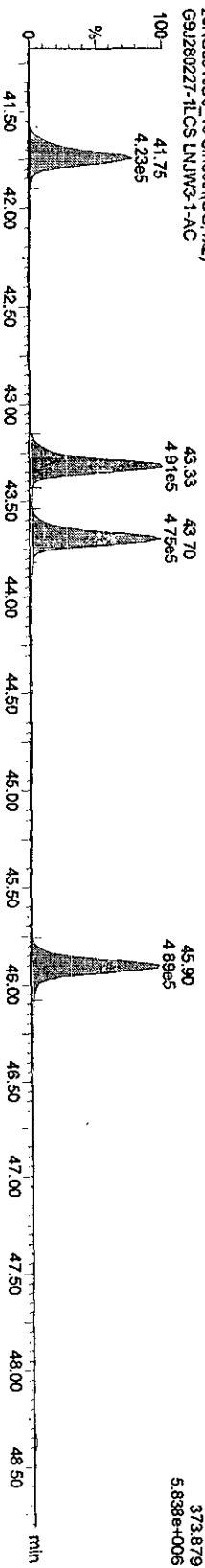
HxPCBs-  
20N00910D5\_18 Smooth(SG,1x2)  
G9J280227-1LCS LNUW3-1-AC



13C-HxPCBs  
20N00910D5\_18 Smooth(SG,1x2)  
G9J280227-1LCS LNUW3-1-AC



20N00910D5\_18 Smooth(SG,1x2)  
G9J280227-1LCS LNUW3-1-AC

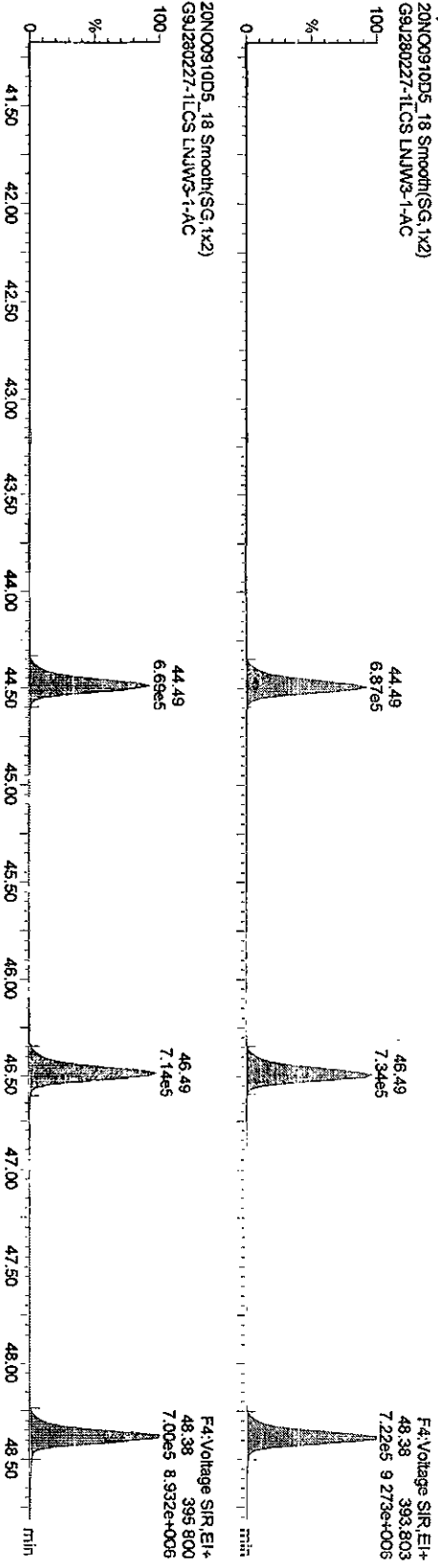


Dataset C:\Masslynx\Default.pro\20N00910D51668MSLA.qld

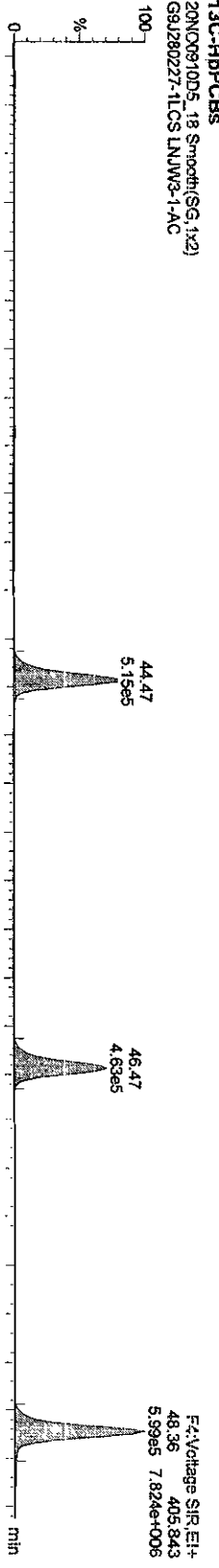
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_18, Date: 21-Nov-2009, Time: 06:32:45, ID: LNUW3-1-AC, Description: G9J280227-1LCS

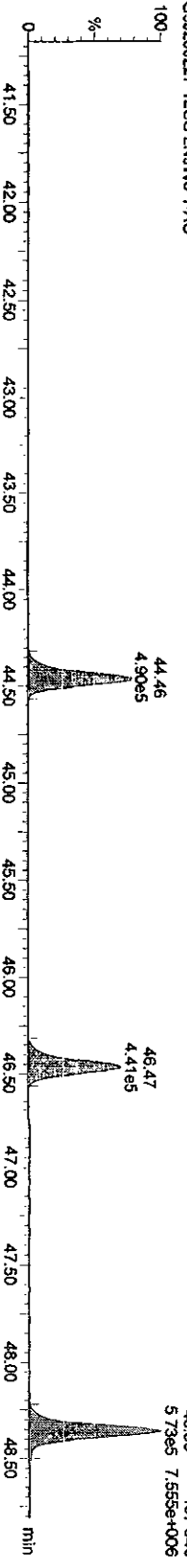
HPCCBS



13C-HPCCBS



20N00910D5\_18 Smooth(SG, 1x2)

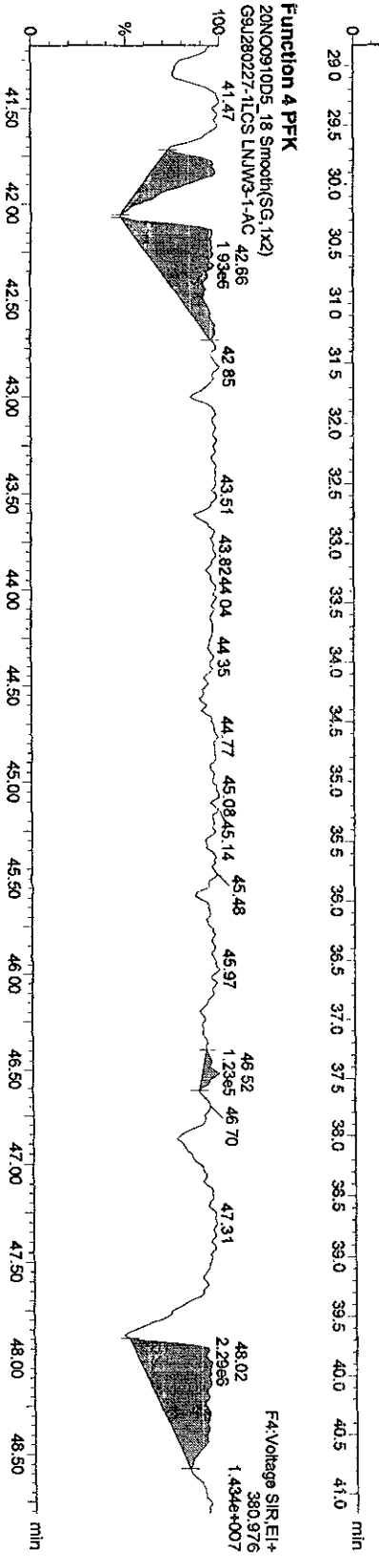
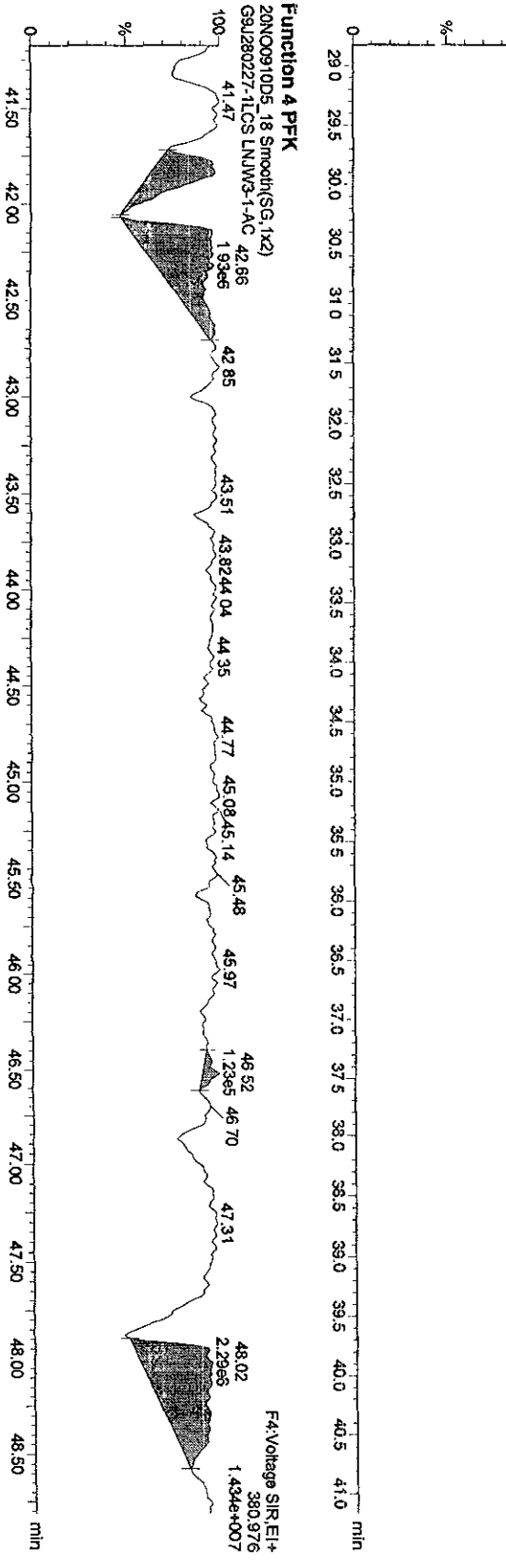
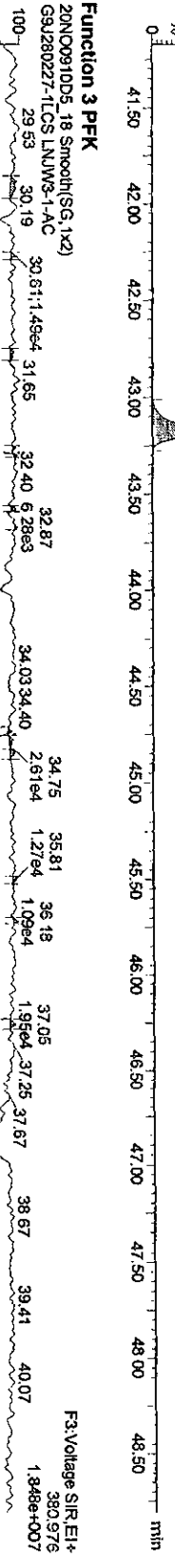
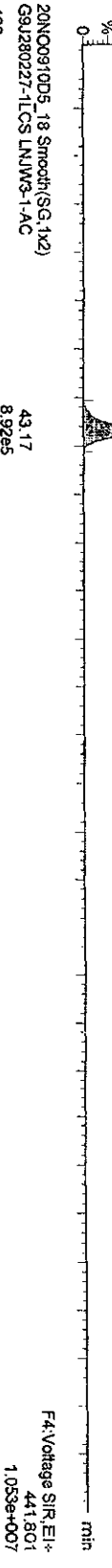


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Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NO0910D5\_18, Date: 21-Nov-2009, Time: 06:32:45, ID: LNJW3-1-AC, Description: G9J280227-1LCS



Dataset: C:\MassLynx\Default.pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 2:33:11 PM Pacific Standard Time

Printed: Monday, November 23, 2009 2:33:33 PM Pacific Standard Time

Method: C:\MassLynx\Default.pro\Method\1668MSL100DB5.mdb 05 Nov 2009 11:40:42  
 Calibration: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 20NO0910D5\_19, Date: 21-Nov-2009, Time: 07:29:35, ID: LNEXF-1-AA, Description: G9J280227-1, Task:

*Signature*

# Name	Trace	Sample Size	RT	Prd RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	0.500	31.95	31.75	1.000		797310.69	4000.0000	4000.0000	100.0	4.6039	0.622	0.610	NO	
2															
3 13C-TeCB-81	301.963	0.500	33.83	33.84	1.040		832680.84	4017.3884	4017.3884	100.4	4.9592	0.773	0.770	NO	
4 TeCB-81	289.922	0.500		33.83	1.458						3.4020		0.770	NO	
5 13C-TeCB-77	301.963	0.500	34.50	34.53	1.104		893847.09	4060.7706	4060.7706	101.5	4.6697	0.775	0.770	NO	
6 TeCB-77	289.922	0.500	34.51	34.50	1.271		100283.82	353.1968	353.1968		3.5569	0.744	0.770	NO	
7															
8 13C-PeCB-123	335.924	0.500	36.16	36.21	0.993		1017003.16	5136.9087	5136.9087	128.4	4.6353	0.628	0.610	NO	
9 PeCB-123	323.883	0.500	<u>36.01</u>	36.16	1.505		80090.90	209.2535	209.2535		2.6868	0.608	0.610	NO	
10 13C-PeCB-118	335.924	0.500	36.33	36.38	1.024		10663381.56	5209.4395	5209.4395	130.2	4.4957	0.633	0.610	NO	
11 PeCB-118/106	323.883	0.500	36.34	36.33	1.525		1049508.34	2588.1248	2588.1248		2.5461	0.619	0.610	NO	
12 13C-PeCB-114	335.924	0.500	37.10	37.16	1.037		1061191.38	5134.3483	5134.3483	128.4	4.4400	0.622	0.610	NO	
13 PeCB-114	323.883	0.500		37.10	1.586						2.4155		0.610	NO	
14 13C-PeCB-105	323.883	0.500	38.17	38.14	1.433		427849.59	1087.9799	1087.9799		2.5589	0.595	0.610	NO	
15 PeCB-105/127	335.924	0.500	40.44	40.54	1.030		1301402.78	6338.8742	6338.8742	158.5	4.4699	0.624	0.610	NO	
16 13C-PeCB-126	323.883	0.500	40.45	40.44	1.156		8414.36	22.3759	22.3759		2.8181	0.684	0.610	NO	23-Nov-09
17 PeCB-126															
18															
19 13C-OcCB-202	439.804	0.500	43.20	43.16	1.000		1487660.38	4000.0000	4000.0000	100.0	1.2955	0.892	0.890	NO	
20															
21 13C-HxCB-167	371.882	0.500	41.78	41.74	1.002		1217359.25	3265.1652	3265.1652	81.6	2.5533	1.281	1.240	NO	
22 HxCB-167	359.841	0.500	41.81	41.78	1.348		36117.42	88.0401	88.0401		1.7800	0.705	1.240	YES	
23 13C-HxCB-156	371.882	0.500	43.34	43.32	0.785		1220563.50	4180.1251	4180.1251	104.5	3.2601	1.278	1.240	NO	
24 HxCB-156	359.841	0.500	43.36	43.34	1.688		55943.26	108.5854	108.5854		1.4456	1.293	1.240	NO	
25 13C-HxCB-157	371.882	0.500	43.71	43.71	0.835		1213155.25	3905.2459	3905.2459	97.6	3.0644	1.288	1.240	NO	
26 HxCB-157	359.841	0.500	43.74	43.71	1.660		14044.36	27.9016	27.9016		1.5102	1.314	1.240	NO	
27 13C-HxCB-169	371.882	0.500	45.94	45.93	0.871		1221188.94	3768.6210	3768.6210	94.2	2.9377	1.269	1.240	NO	
28 HxCB-169	359.841	0.500		45.94	1.098						2.2965		1.240	NO	
29															
30 13C-HpCB-180	405.843	0.500	44.50	44.50	0.684		1116539.88	4388.9130	4388.9130	109.7	1.8741	1.047	1.050	NO	
31 HpCB-180	393.803	0.500	44.52	44.50	1.300		497218.27	1369.8471	1369.8471		1.7463	1.046	1.050	NO	



Dataset: C:\MassLynx\Default.pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 2:33:11 PM Pacific Standard Time

Printed: Monday, November 23, 2009 2:33:33 PM Pacific Standard Time

Name: 20NO0910D5\_19, Date: 21-Nov-2009, Time: 07:29:35, ID: LNEXF-1-AA, Description: G9J280227-1, Task:

#	Name	Trace	Sample Size	RT	Ptd RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ptd Ratio	Ratio	Mod Date
32	13C-HPCB-170	405.843	0.500	46.49	46.50	0.548		1006938.63	4943.0051	4943.0051	123.6	2.3405	1.047	1.050		NO
33	HPCB-170	393.803	0.500	46.51	46.49	1.615		102845.55	252.9692	252.9692		1.5672	1.052	1.050		NO
34	13C-HPCB-189	405.843	0.500	48.37	48.39	0.698		1334788.13	5144.2117	5144.2117	128.6	1.8375	1.045	1.050		NO
35	HPCB-189	393.803	0.500			1.231						1.4279		1.050		NO
36																
37	13C-PeCB-111	335.924	0.500	33.69	33.51	1.305		1035109.75	2863.7971		71.6	2.8569	0.624	0.610		NO
38																
39	Function 3 PFK	380.976	1.000			0.00										
40	Function 4 PFK	380.976	1.000			0.00										

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\proj\20N00910D5\1668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20N00910D5\_19, Date: 21-Nov-2009, Time: 07:29:35, ID: LNXE-1-AA, Description: G9J280227-1, Task:

#	Name	Trace	Sample Size	RT	PI RT	RR	RR	M	Abs Resp	Std	EMPC	Var	SN	Ratio	PI Ratio	Ratio	Mod Desc	
1	13C-PeCB-101	335.924	0.500	31.95	31.75	1.000			797310.69	4000.0000	4000.0000	100.0	4.6039	0.622	0.610		NO	
2																		
3	13C-TeCB-81	301.963	0.500	33.83	33.84	1.040			832680.84	4017.3884	4017.3884	100.4	4.9592	0.773	0.770		NO	
4	TeCB-81	289.922	0.500	33.83	33.83	1.458							3.4020		0.770		NO	
5	13C-TeCB-77	301.963	0.500	34.50	34.53	1.104			893847.09	4060.7706	4060.7706	101.5	4.6697	0.775	0.770		NO	
6	TeCB-77	289.922	0.500	34.51	34.50	1.271			100283.82	353.1968	353.1968		3.5569	0.744	0.770		NO	
7																		
8	13C-PeCB-123	335.924	0.500	36.16	36.21	0.993			1017003.16	5136.9087	5136.9087	128.4	4.6353	0.628	0.610		NO	
9	PeCB-123	323.883	0.500	36.01	36.16	1.505			80090.90	209.2535	209.2535		2.6868	0.608	0.610		NO	
10	13C-PeCB-118	335.924	0.500	36.33	36.38	1.024			1063361.56	5209.4395	5209.4395	130.2	4.4957	0.633	0.610		NO	
11	PeCB-118/106	323.883	0.500	36.34	36.33	1.525			1049508.34	2588.1248	2588.1248		2.5461	0.619	0.610		NO	
12	13C-PeCB-114	335.924	0.500	37.10	37.16	1.037			1061191.38	5134.3483	5134.3483	128.4	4.4400	0.622	0.610		NO	
13	PeCB-114	323.883	0.500	37.10	37.10	1.586							2.4155		0.610		NO	
14	13C-PeCB-105	335.924	0.500	38.14	38.24	0.982			1097499.03	5609.7356	5609.7356	140.2	4.6907	0.633	0.610		NO	
15	PeCB-105/127	323.883	0.500	38.17	38.14	1.433			427849.59	1087.9799	1087.9799		2.5589	0.595	0.610		NO	
16	13C-PeCB-126	335.924	0.500	40.44	40.54	1.030			1301402.78	6338.8742	6338.8742	158.5	4.4699	0.624	0.610		NO	
17	PeCB-126	323.883	0.500	40.44	40.44	1.155							2.8161		0.610		NO	
19	13C-OcCB-202	439.804	0.500	43.20	43.16	1.000			1487660.38	4000.0000	4000.0000	100.0	1.2955	0.892	0.890		NO	
20																		
21	13C-HxCB-167	371.882	0.500	41.78	41.74	1.002			1217359.25	3265.1652	3265.1652	81.6	2.5533	1.261	1.240		NO	
22	HxCB-167	359.841	0.500	41.81	41.75	1.346			36717.42	86.0401	86.7685		1.7806	0.705	1.240		YES	
23	13C-HxCB-156	371.882	0.500	43.34	43.32	0.785			1220563.50	4180.1251	4180.1251	104.5	3.2601	1.278	1.240		NO	
24	HxCB-156	359.841	0.500	43.36	43.34	1.688			55943.26	108.5854	108.5854		1.4456	1.293	1.240		NO	
25	13C-HxCB-157	371.882	0.500	43.71	43.71	0.835			1213155.25	3905.2459	3905.2459	97.6	3.0644	1.288	1.240		NO	
26	HxCB-157	359.841	0.500	43.74	43.71	1.660			14044.36	27.9016	27.9016		1.5102	1.314	1.240		NO	
27	13C-HxCB-169	371.882	0.500	45.94	45.93	0.871			1221188.94	3768.6210	3768.6210	94.2	2.9377	1.269	1.240		NO	
28	HxCB-169	359.841	0.500	45.94	45.94	1.098							2.2965		1.240		NO	
29																		
30	13C-HpCB-180	405.843	0.500	44.50	44.50	0.684			1116539.88	4388.9130	4388.9130	109.7	1.8741	1.047	1.050		NO	
31	HpCB-180	393.803	0.500	44.52	44.50	1.300			497218.27	1369.8471	1369.8471		1.7463	1.046	1.050		NO	
32	13C-HpCB-170	405.843	0.500	46.48	46.50	0.546			1006938.63	4943.0051	4943.0051	123.6	2.3405	1.047	1.050		NO	
33	HpCB-170	393.803	0.500	46.52	46.48	1.615			102845.55	252.9692	252.9692		1.5872	1.052	1.050		NO	
34	13C-HpCB-189	405.843	0.500	48.37	48.39	0.696			1334788.13	5144.2117	5144.2117	128.6	1.8375	1.045	1.050		NO	
35	HpCB-189	393.803	0.500	48.37	48.37	1.231							1.4279		1.050		NO	

Dataset: C:\MassLynx\Default\proj\20NOC0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20NOC0910D5\_19, Date: 21-Nov-2009, Time: 07:29:35, ID: LNEXT-1-AA, Description: G9J280227-1, Task:

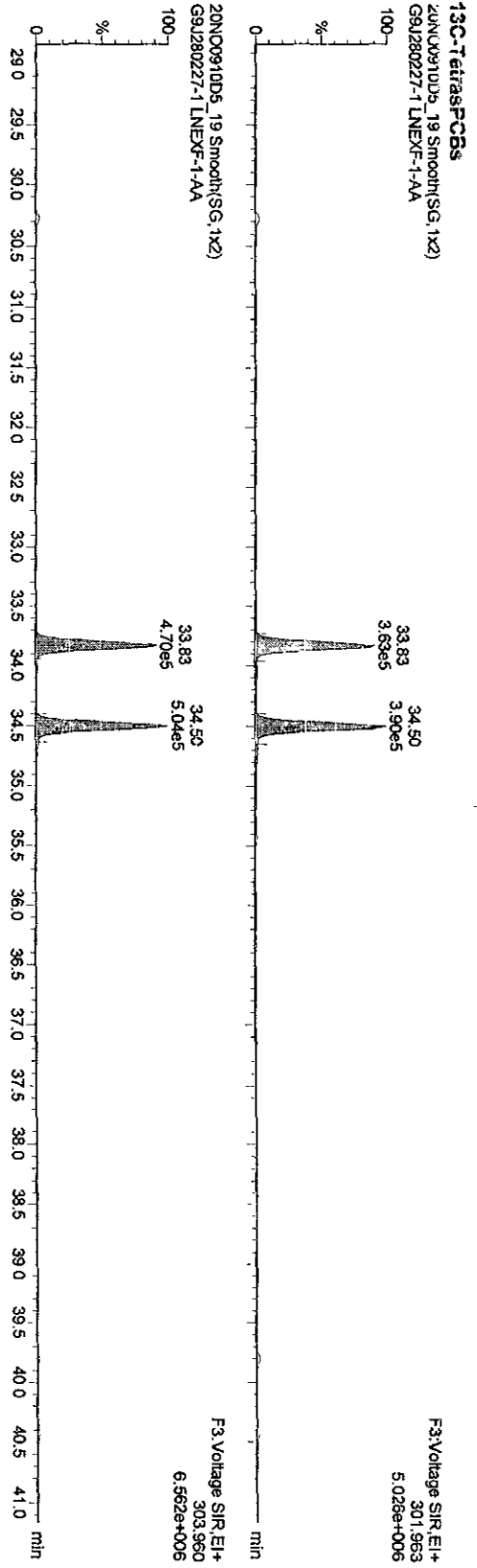
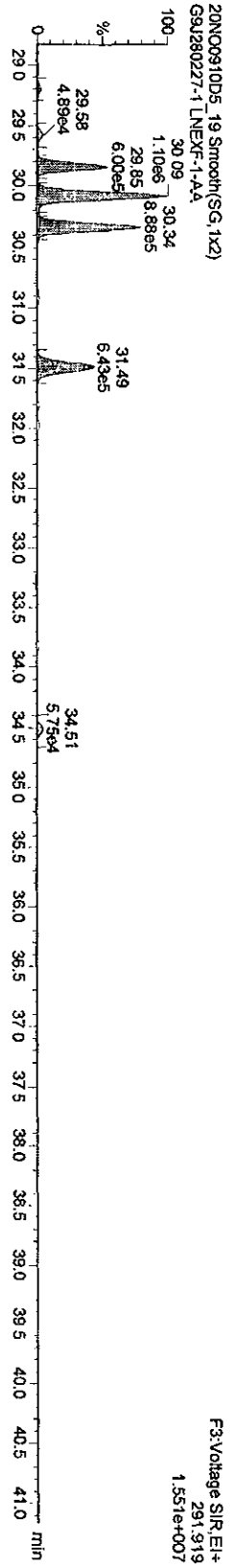
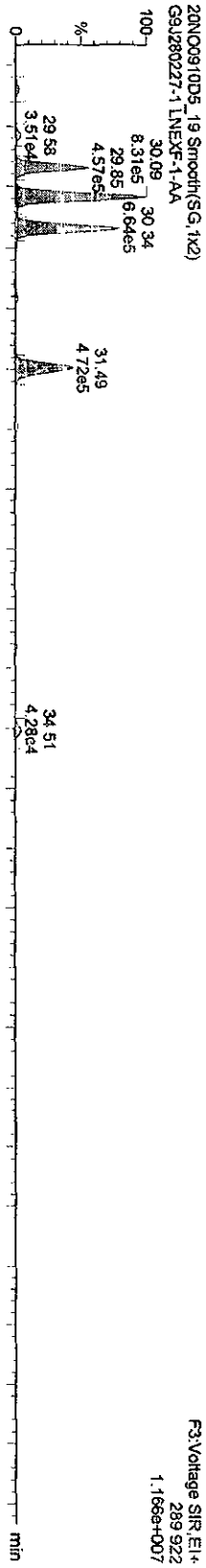
#	Name	Trace	Sample Size	RT	Prod RT	RR	M	Abs Resp	pp	EMBO	%Rec	F	Ratio	Prod Ratio	Ratio	NO
36																
37	13C-PeCB-111		335.924	0.500	33.69	33.51	1.305	1035109.75	2863.7971		71.6	2.8569	0.624	0.610		NO
38																
39	Function 3 PFK		380.976	1.000												
40	Function 4 PFK		380.976	1.000												

Dataset: C:\MassLynxDefault\proj20N0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N0910D5\_19, Date: 21-Nov-2009, Time: 07:29:35, ID: LNEXF-1-AA, Description: G9J280227-1

**TetraPCBs**

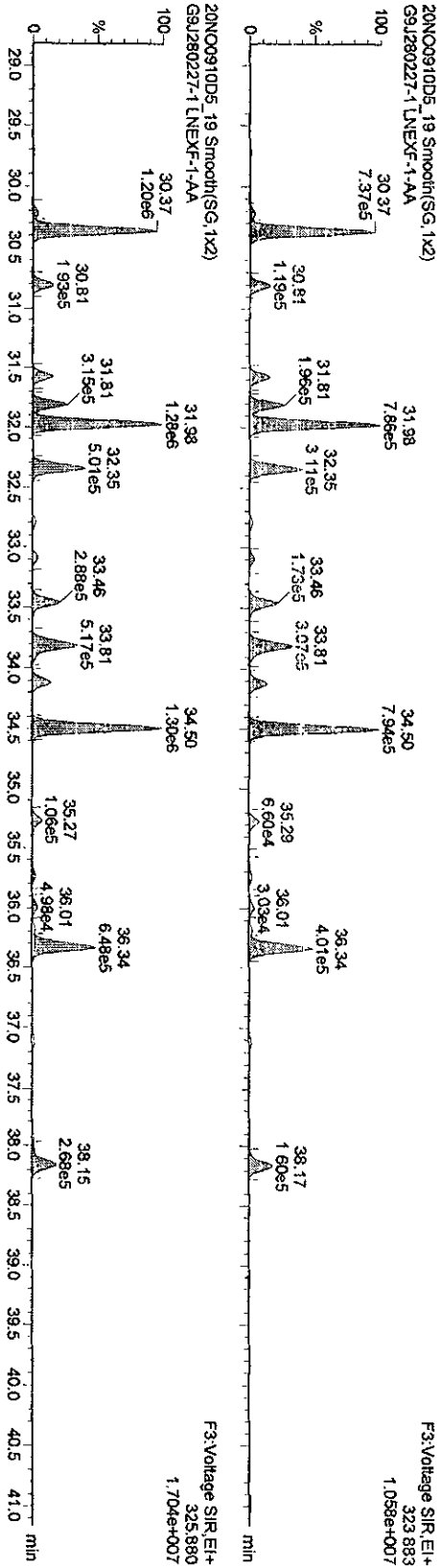


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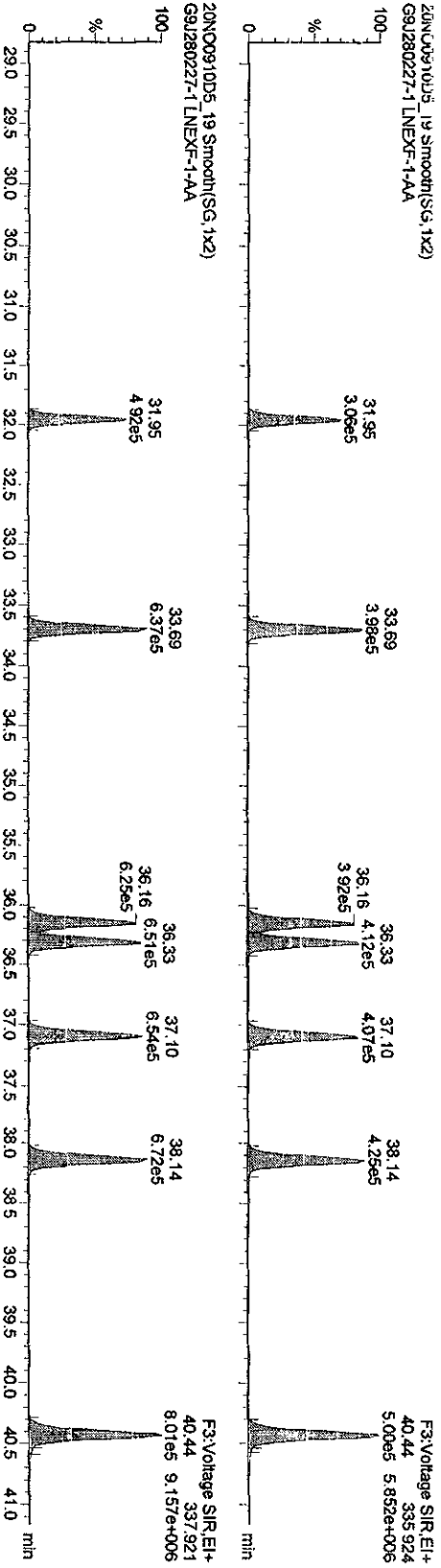
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_19, Date: 21-Nov-2009, Time: 07:29:35, ID: LNEXF-1-AA, Description: G9J280227-1

**PePCBs**



**13C-PerCBs**

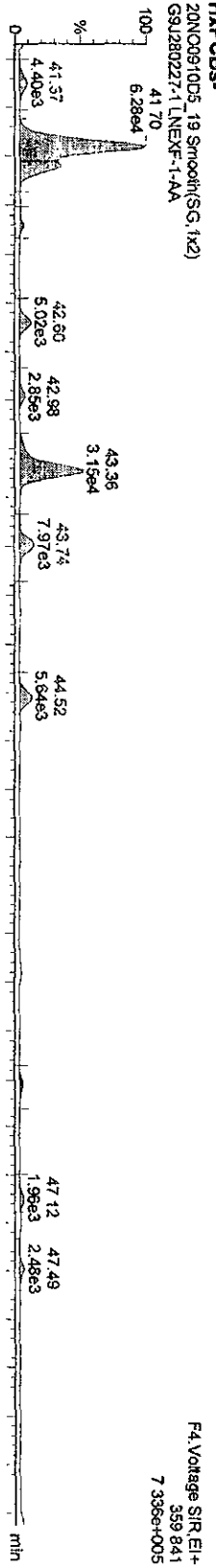


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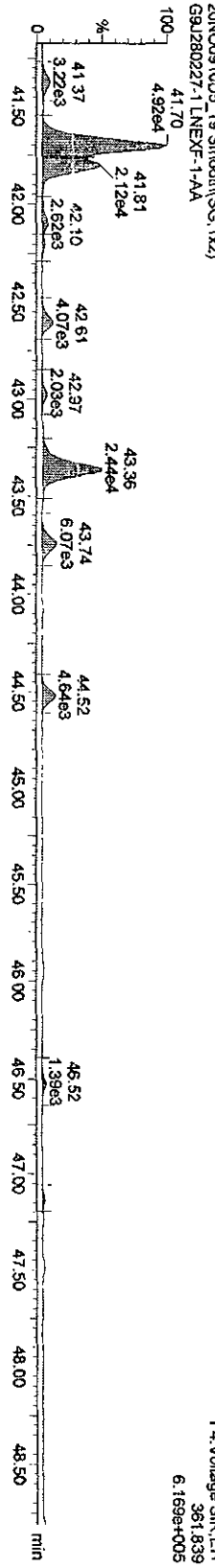
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Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_19, Date: 21-Nov-2009, Time: 07:29:35, ID: LNEXF-1-AA, Description: G9J280227-1

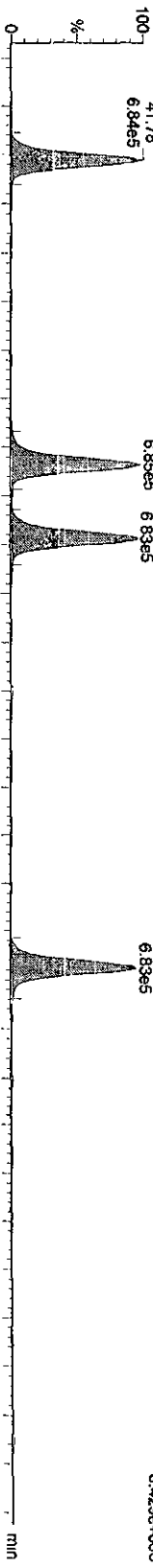
**HxPCBs-**  
20N00910D5\_19 Smooth(SG,1x2)  
G9J280227-1 LNEXF-1-AA



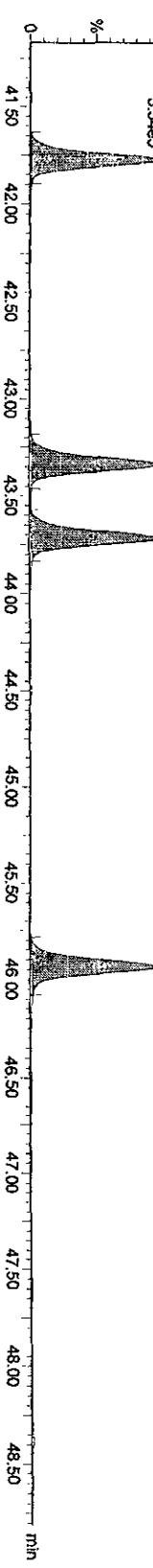
**13C-HxPCBs**  
20N00910D5\_19 Smooth(SG,1x2)  
G9J280227-1 LNEXF-1-AA



**20N00910D5\_19**  
20N00910D5\_19 Smooth(SG,1x2)  
G9J280227-1 LNEXF-1-AA



**20N00910D5\_19**  
20N00910D5\_19 Smooth(SG,1x2)  
G9J280227-1 LNEXF-1-AA



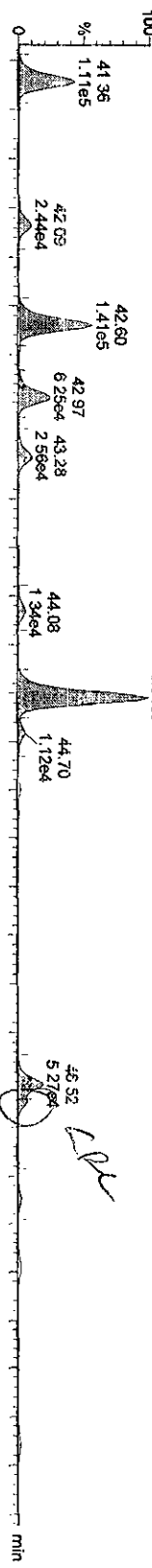
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Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

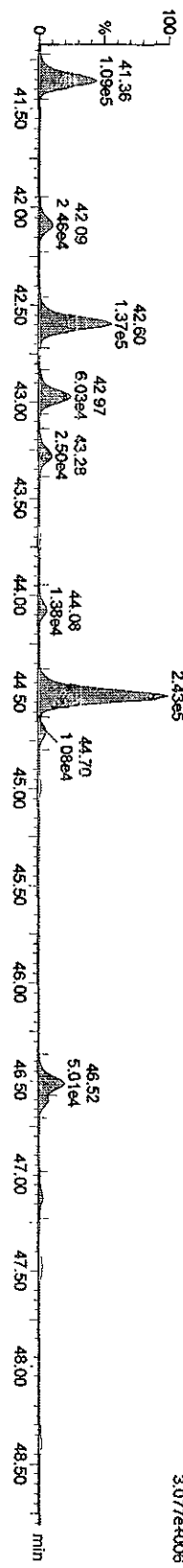
Name: 20N00910D5\_19, Date: 21-Nov-2009, Time: 07:29:35, ID: LNEXF-1-AA, Description: G9J280227-1

**HpPCBs**

20N00910D5\_19 Smooth(SG, 1x2)  
G9J280227-1 LNEXF-1-AA

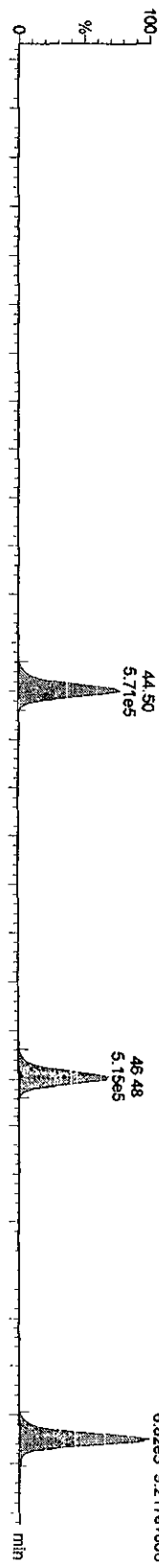


20N00910D5\_19 Smooth(SG, 1x2)  
G9J280227-1 LNEXF-1-AA

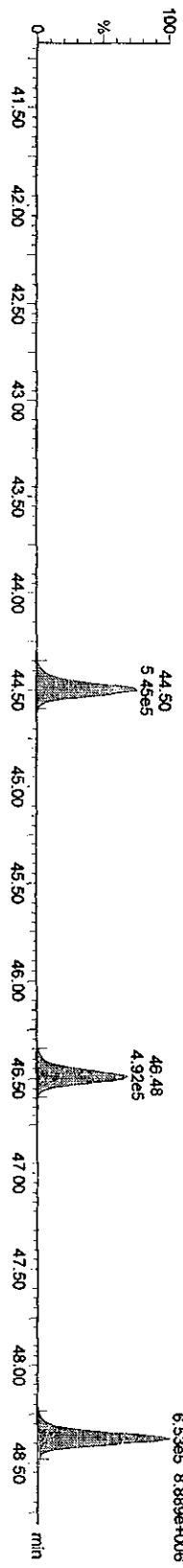


**13C-HpPCBs**

20N00910D5\_19 Smooth(SG, 1x2)  
G9J280227-1 LNEXF-1-AA



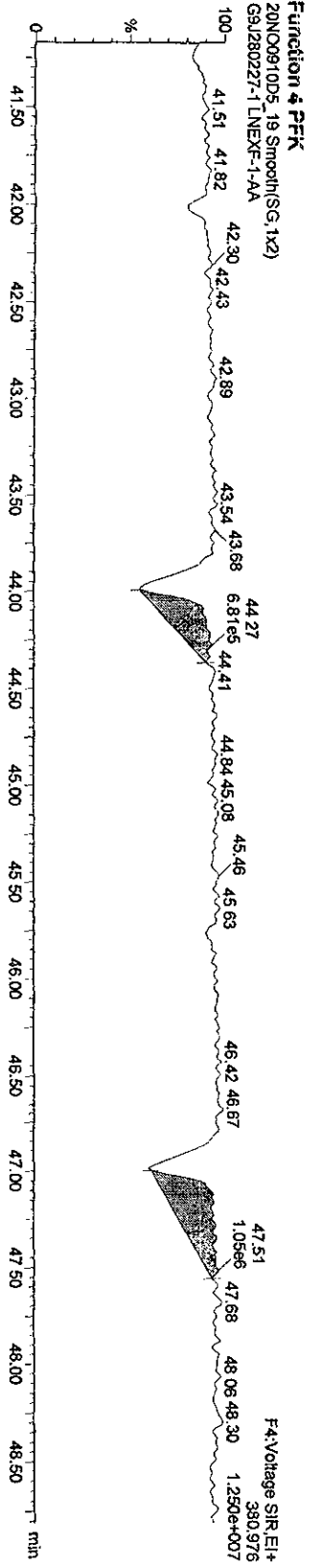
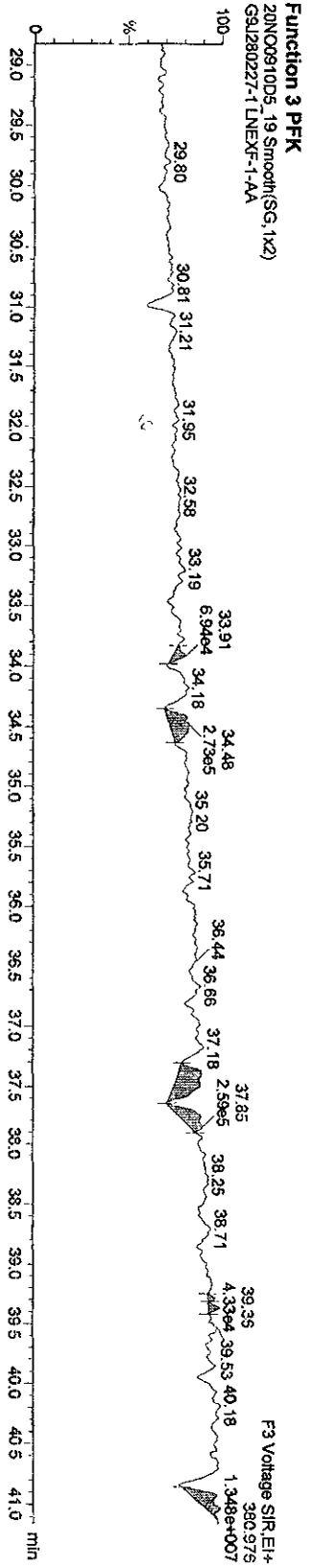
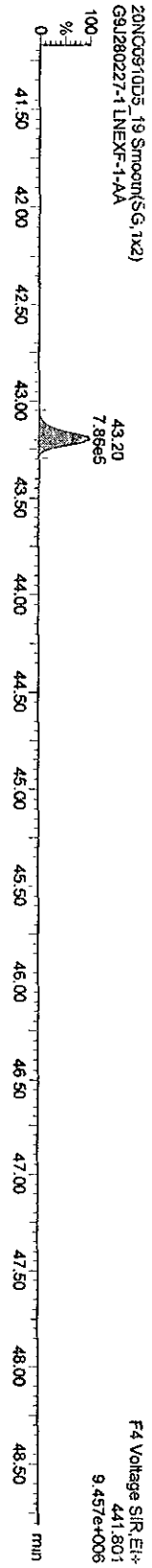
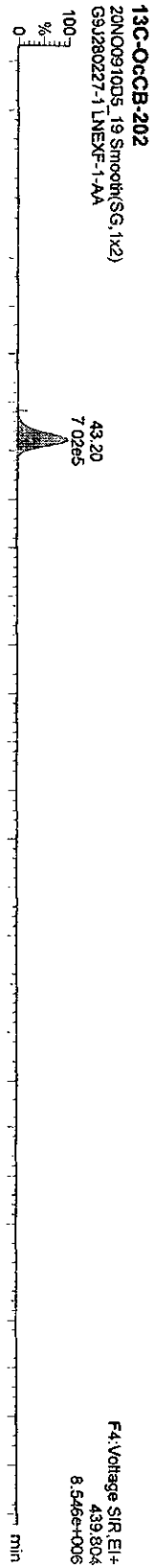
20N00910D5\_19 Smooth(SG, 1x2)  
G9J280227-1 LNEXF-1-AA



Dataset: C:\Masslynx\Default\pro\20NO0910D5\1668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NO0910D5\_19, Date: 21-Nov-2009, Time: 07:29:35, ID: LNEXF-1-AA, Description: G9J280227-1





Quantity Sample Summary Report MassLynx 4.1

Dataset: R:\20NOV09\10D51668MSL\ask.qld

Last Altered: Tuesday, November 24, 2009 12:33:15 Pacific Standard Time  
 Printed: Tuesday, November 24, 2009 12:33:37 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Method\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
 Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 20NOV0910D5\_20, Date: 21-Nov-2009, Time: 08:26:24, ID: LNEXT-1-AA, Description: G9J280227-2, Task:

*Handwritten notes:*  
 100%  
 SL 11/24/09

#	Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
1	13C-PeCB-101	335.924	0.500	31.93	31.75	1.00000	857750.72	4000.0000	4000.0000	100.0	4.58146	0.6273	NO	
2														
3	13C-1eCB-81	301.963	0.500	33.79	33.82	1.03984	868971.06	3897.0597	3897.0597	97.4	4.36542	0.7782	NO	
4	TeCB-81	289.922	0.500	33.79	33.79	1.45839	187020.88	590.2991	590.2991	101.6	6.49257	0.7241	NO	24-Nov-09
5	13C-TeCB-77	301.963	0.500	34.46	34.51	1.10430	962352.16	4063.9256	4063.9256	101.6	4.11061	0.7722	NO	
6	TeCB-77	289.922	0.500	34.48	34.46	1.27061	957814.41	3133.2599	3133.2599	101.6	6.64331	0.7426	NO	
7														
8	13C-PeCB-123	335.924	0.500	36.12	36.19	0.99324	1037657.94	4871.9212	4871.9212	121.8	4.61266	0.6147	NO	
9	PeCB-123	323.883	0.500	36.16	36.12	1.50539	3092998.44	792.0187	792.0187	122.3	3.53603	0.6113	NO	24-Nov-09
10	13C-PeCB-118	335.924	0.500	36.29	36.36	1.02407	1074455.38	4892.7920	4892.7920	122.3	4.47377	0.6512	NO	
11	PeCB-118/106	323.883	0.500	36.31	36.29	1.52536	7395784.25	18050.2943	18050.2943	120.3	3.43950	0.6197	NO	
12	13C-PeCB-114	335.924	0.500	37.08	37.14	1.03691	1069956.41	4811.8943	4811.8943	120.3	4.41838	0.6368	NO	
13	PeCB-114	323.883	0.500	37.10	37.08	1.58603	288319.88	679.6170	679.6170	130.8	3.40880	0.6019	NO	24-Nov-09
14	13C-PeCB-105	335.924	0.500	38.12	38.22	0.98151	1101272.88	5232.3849	5232.3849	130.8	4.66777	0.6235	NO	
15	PeCB-105/127	323.883	0.500	38.15	38.12	1.43326	2956107.38	7496.9363	7496.9363	142.8	3.49769	0.6174	NO	
16	13C-PeCB-126	335.924	0.500	40.42	40.52	1.02999	1261793.50	5712.8810	5712.8810	142.8	4.44807	0.6169	NO	
17	PeCB-126	323.883	0.500	40.42	40.42	1.15582					3.93677		NO	
18														
19	13C-OcCB-202	439.804	0.500	43.19	43.16	1.00000	1434133.06	4000.0000	4000.0000	100.0	1.15801	0.9015	NO	
20														
21	13C-HxCB-167	371.882	0.500	41.78	41.73	1.00247	1148225.66	3194.6846	3194.6846	79.9	2.42406	1.2667	NO	
22	HxCB-167	359.841	0.500	41.79	41.78	1.34796	113083.11	292.2490	292.2490	97.4	2.60196	1.1593	NO	
23	13C-HxCB-156	371.882	0.500	43.34	43.31	0.78510	1096874.50	3896.7289	3896.7289	97.4	3.09519	1.2738	NO	
24	HxCB-156	359.841	0.500	43.36	43.34	1.68840	210190.49	453.9835	453.9835	92.9	2.27384	1.2585	NO	
25	13C-HxCB-157	371.882	0.500	43.71	43.69	0.83526	1112532.63	3715.0024	3715.0024	92.9	2.90931	1.2727	NO	
26	HxCB-157	359.841	0.500	43.74	43.71	1.65965	41284.76	89.4377	89.4377	57.1	2.18103	1.2393	NO	
27	13C-HxCB-169	371.882	0.500	45.93	45.92	0.87128	713848.34	2285.1773	2285.1773	57.1	2.78906	1.2577	NO	
28	HxCB-169	359.841	0.500	45.93	45.93	1.09832					5.53269		NO	
29														
30	13C-HpCB-180	405.843	0.500	44.49	44.49	0.68403	1031878.72	4207.5156	4207.5156	105.2	2.00438	1.0528	NO	
31	HpCB-180	393.803	0.500	44.52	44.49	1.30035	1685267.63	5023.8825	5023.8825	105.2	2.63306	1.0399	NO	

Quantity Sample Summary Report MassLynx 4.1

Dataset R:\20N00910D51668M\SLASK.qld

Last Altered: Tuesday, November 24, 2009 12:33:15 Pacific Standard Time  
 Printed: Tuesday, November 24, 2009 12:33:37 Pacific Standard Time

Name: 20N00910D5\_20, Date: 21-Nov-2009, Time: 08:26:24, ID: LNEXT-1-AA, Description: G9J280227-2, Task:

#	Name	Trace	Sample Size	RT	Ptd. RT	RRF M...	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
32	13C-HpCB-170	405.843	0.500	46.48	46.49	0.54773	855837.97	4358.0675	4358.0675	109.0	2.50314	1.0378	NO	
33	HpCB-170	393.803	0.500	46.51	46.48	1.61501	458346.94	1326.4411	1326.4411		2.48523	1.0518	NO	24-Nov-09
34	13C-HpCB-189	405.843	0.500	48.37	48.38	0.69767	1184787.88	4736.5426	4736.5426	118.4	1.96518	1.0354	NO	
35	HpCB-189	393.803	0.500	48.39	48.37	1.23073	14230.97	39.0384	39.0384		2.12018	1.0461	NO	24-Nov-09
36														
37	13C-PeCB-111	335.924	0.500	33.67	33.51	1.39475	1071377.25	2961.6577	4358.0675	74.0	3.11051	0.6281	NO	
38														
39	Function 3 PEK	380.976	1.000											
40	Function 4 PEK	380.976	1.000											

Quantity Sample Summary Report Masslynx 4.1

Dataset: C:\Masslynx\Default\pro\20N00910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20N00910D5\_20, Date: 21-Nov-2009, Time: 08:26:24, ID: LNEXT-1-AA, Description: G9J280227-2, Task:

#	Name	Trace	Sample Size	RT	Std. RT	RRF	M	Abs. Resp.	PJ	EMPC	% Rec	EDL	Ratio	Ptd Ratio	Ratio	Mod Date
1	13C-PeCB-101	335.924	0.500	31.93	31.75	1.000		857750.72	4000.0000	4000.0000	100.0	4.5815	0.627	0.610		NO
2	3 13C-TeCB-81	301.963	0.500	33.79	33.82	1.040		868971.06	3897.0597	3897.0597	97.4	4.3654	0.778	0.770		NO
	4 TeCB-81	289.922	0.500	33.79	33.79	1.458						6.4926		0.770		NO
5	13C-TeCB-77	301.963	0.500	34.46	34.51	1.104		962352.16	4063.9256	4063.9256	101.6	4.1106	0.772	0.770		NO
6	TeCB-77	289.922	0.500	34.48	34.46	1.271		957814.41	3133.2599	3133.2599		6.6433	0.743	0.770		NO
7	8 13C-PeCB-123	335.924	0.500	36.12	36.19	0.993		1037657.94	4871.9212	4871.9212	121.8	4.6127	0.615	0.610		NO
	9 PeCB-123	323.883	0.500	35.97	36.12	1.505		588356.55	1506.6012	1506.6012		3.5360	0.623	0.610		NO
10	13C-PeCB-118	335.924	0.500	36.29	36.36	1.024		1074455.38	4892.7920	4892.7920	122.3	4.4738	0.651	0.610		NO
11	PeCB-118/106	323.883	0.500	36.31	36.29	1.525		7395784.25	18050.2943	18050.2943		3.4395	0.620	0.610		NO
12	13C-PeCB-114	335.924	0.500	37.08	37.14	1.037		1069936.41	4811.8943	4811.8943	120.3	4.4184	0.637	0.610		NO
	13 PeCB-114	323.883	0.500	37.08	37.08	1.586						3.4088		0.610		NO
14	13C-PeCB-105	335.924	0.500	38.12	38.22	0.982		1101272.88	5232.3849	5232.3849	130.8	4.6678	0.623	0.610		NO
15	PeCB-105/127	323.883	0.500	38.15	38.12	1.433		2959107.38	7498.9363	7498.9363		3.4977	0.617	0.610		NO
16	13C-PeCB-126	335.924	0.500	40.42	40.52	1.030		1261793.50	5712.8810	5712.8810	142.8	4.4481	0.617	0.610		NO
17	PeCB-126	323.883	0.500	40.42	40.42	1.156						3.9366		0.610		NO
18	19 13C-OcCB-202	439.804	0.500	43.19	43.16	1.000		1434133.06	4000.0000	4000.0000	100.0	1.1580	0.901	0.890		NO
20	21 13C-HxCB-167	371.882	0.500	41.78	41.73	1.002		1148225.66	3194.6846	3194.6846	79.9	2.4241	1.267	1.240		NO
	22 HxCB-167	359.944	0.500	41.79	41.78	1.346		113063.11	292.2490	292.2490		2.6020	1.159	1.240		NO
23	13C-HxCB-156	371.882	0.500	43.34	43.31	0.785		1096874.50	3896.7289	3896.7289	97.4	3.0952	1.274	1.240		NO
24	HxCB-156	359.841	0.500	43.36	43.34	1.688		210190.49	453.9835	453.9835		2.2738	1.258	1.240		NO
25	13C-HxCB-157	371.882	0.500	43.71	43.70	0.835		1112532.63	3715.0024	3715.0024	92.9	2.9093	1.273	1.240		NO
26	HxCB-157	359.841	0.500	43.74	43.71	1.660		41284.76	89.4377	89.4377		2.1810	1.239	1.240		NO
27	13C-HxCB-169	371.882	0.500	45.93	45.92	0.871		713848.34	2285.1773	2285.1773	57.1	2.7891	1.258	1.240		NO
28	HxCB-169	359.841	0.500	45.93	45.93	1.098						5.5327		1.240		NO
29	30 13C-HpCB-180	405.843	0.500	44.49	44.49	0.684		1031878.72	4207.5156	4207.5156	105.2	2.0044	1.053	1.050		NO
	31 HpCB-180	393.803	0.500	44.52	44.49	1.300		1685267.63	5023.8825	5023.8825		2.6331	1.040	1.050		NO
32	13C-HpCB-170	405.843	0.500	46.48	46.49	0.548		855837.97	4358.0675	4358.0675	109.0	2.5031	1.038	1.050		NO
	33 HpCB-170	393.803	0.500	46.52	46.48	1.615		417826.13	1209.1751	1084.9034		2.4852	1.285	1.050		YES
34	13C-HpCB-189	405.843	0.500	48.37	48.38	0.698		1184787.88	4736.5426	4736.5426	118.4	1.9652	1.035	1.050		NO
	35 HpCB-189	393.803	0.500	48.37	48.37	1.231						2.1202		1.050		NO

Dataset: C:\MassLynx\Default.pro\20NNO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20NNO0910D5\_20, Date: 21-Nov-2009, Time: 08:26:24, ID: LNEXT-1-AA, Description: G9J280227-2, Task:

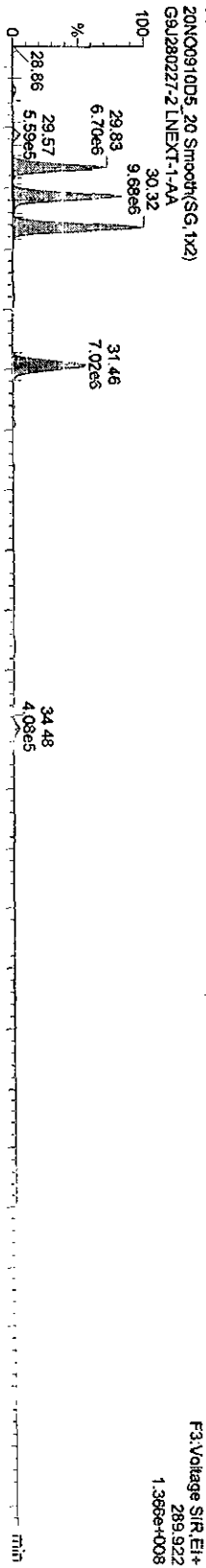
#	Name	Trace	Sample Size	RT	Prd RT	RR	M	Abs Resp	pg	EMPC	%Rec	EDI	Ratio	Prd Ratio	Ratio	Mod Date
36																
37	13C-PeCB-111		0.500	33.68	33.51	1.305		1071377.25	2961.6577		74.0	3.1105	0.628	0.610		NO
38																
39	Function 3 PFK		1.000													
40	Function 4 PFK		1.000													

Dataset: C:\MassLynx\Default.pro\20NO0910D5\1668MSLA.qtd

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

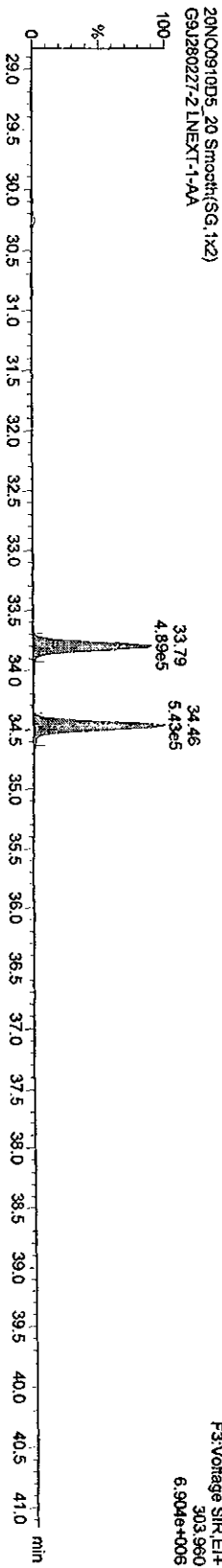
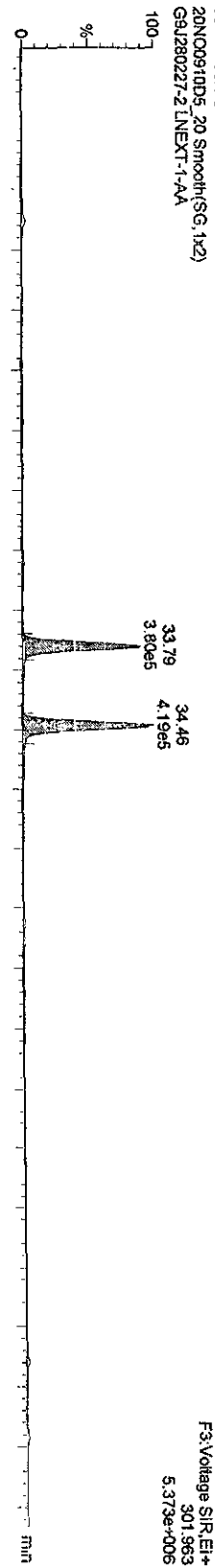
Name: 20NO0910D5\_20, Date: 21-Nov-2009, Time: 08:26:24, ID: LNEXT-1-AA, Description: G9J280227-2

**TetraPCBs**



**MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCB**

**13C-TetrasPCBs**



Dataset: R:\20NO0910D5\1668MSLAsk.qld

Last Altered: Tuesday, November 24, 2009 12:33:15 Pacific Standard Time  
Printed: Tuesday, November 24, 2009 12:34:17 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methodb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
Calibration: C:\MassLynx\Default.pro\Curvedb\NCA0716200910D5\1668MSL.cdb 21 Jul 2009 12:15:46

Sample Name: 20NO0910D5\_20

20NO0910D5\_20 Smooth(SG,1x2)  
G9J280227-2 LNEXT-1-AA

Manual Edit Codes

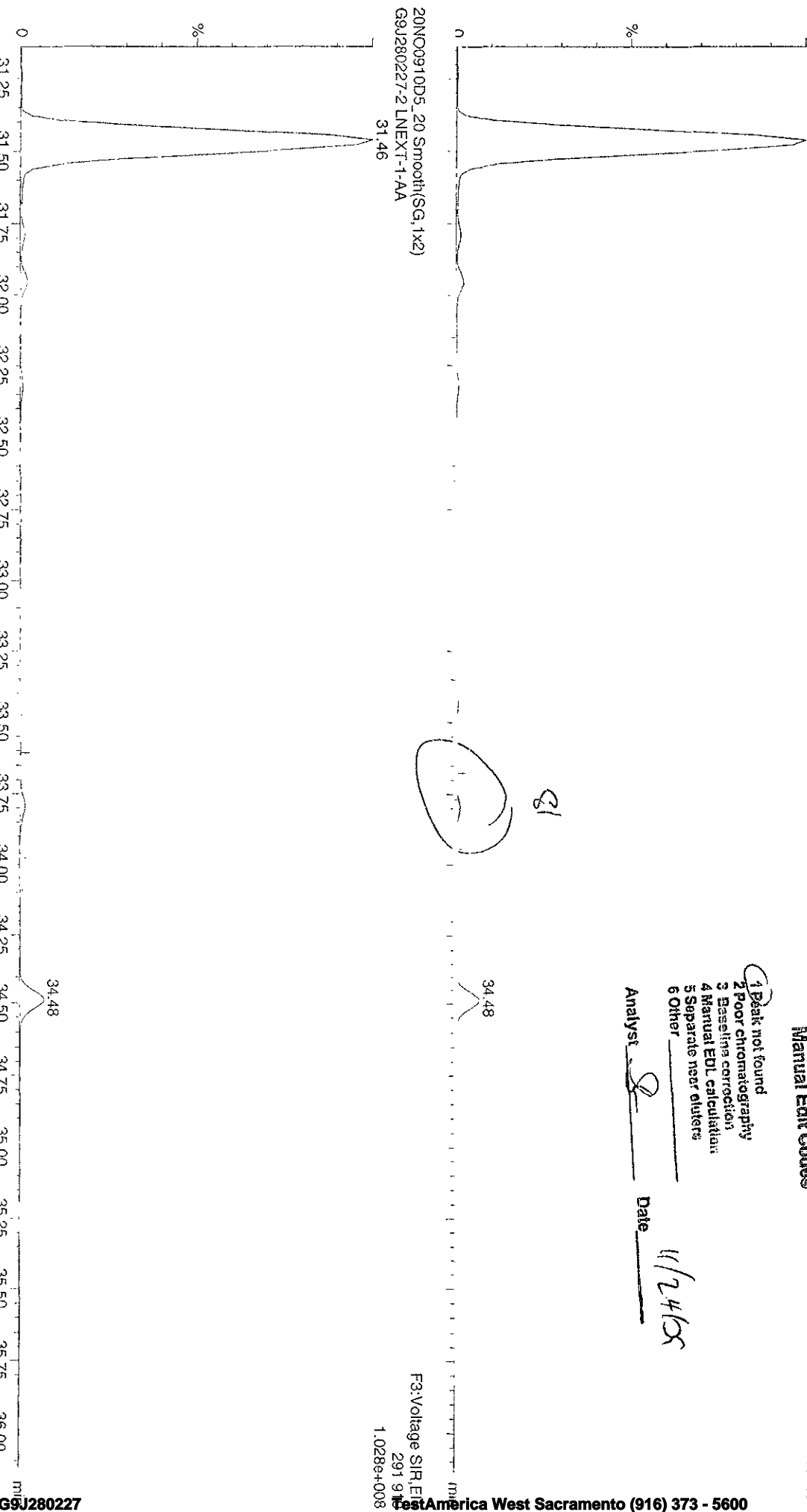
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EOL calculation
- 5 Separate near eluters
- 6 Other

Analyst [Signature] Date 11/24/09

F3:Voltage SIR.EI+  
289.922  
7.618e+007

20NO0910D5\_20 Smooth(SG,1x2)  
G9J280227-2 LNEXT-1-AA

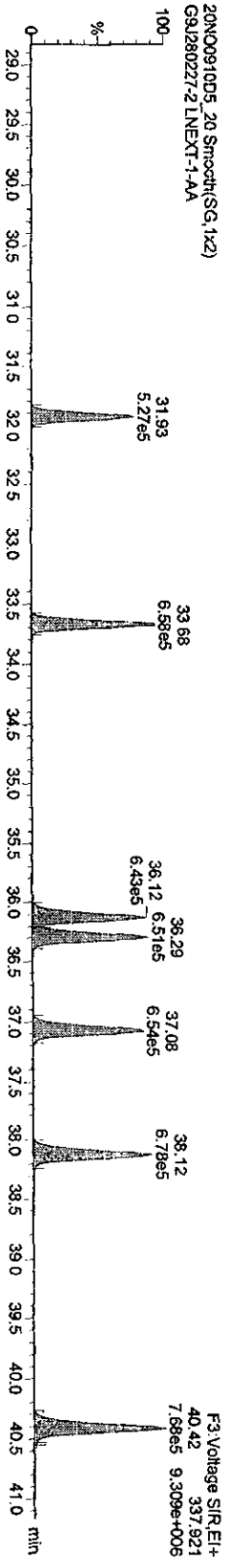
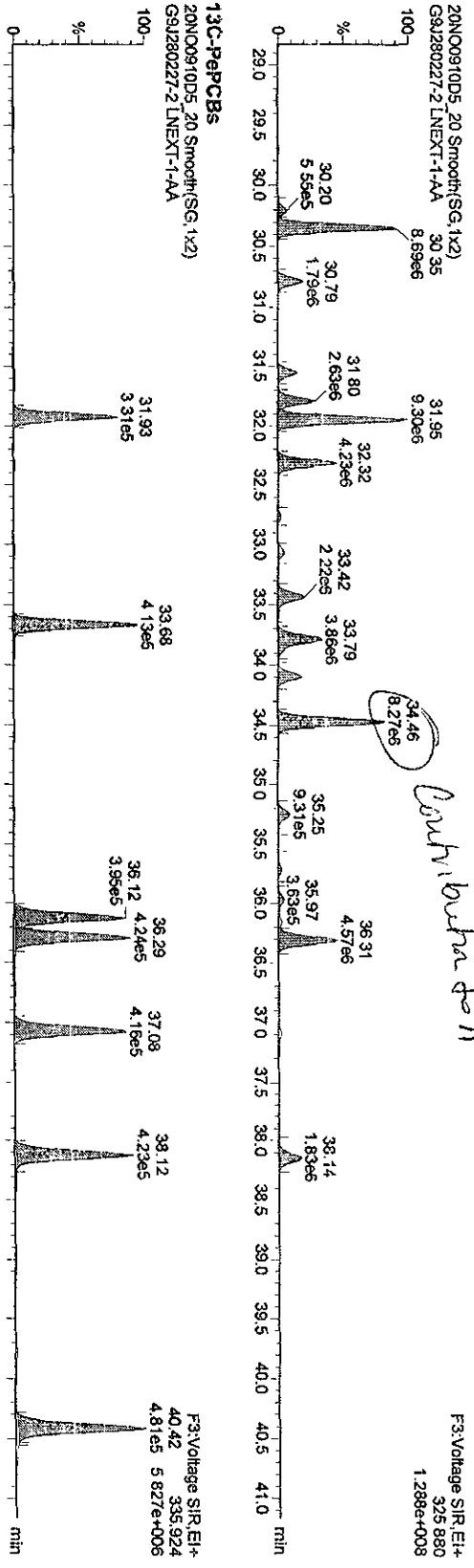
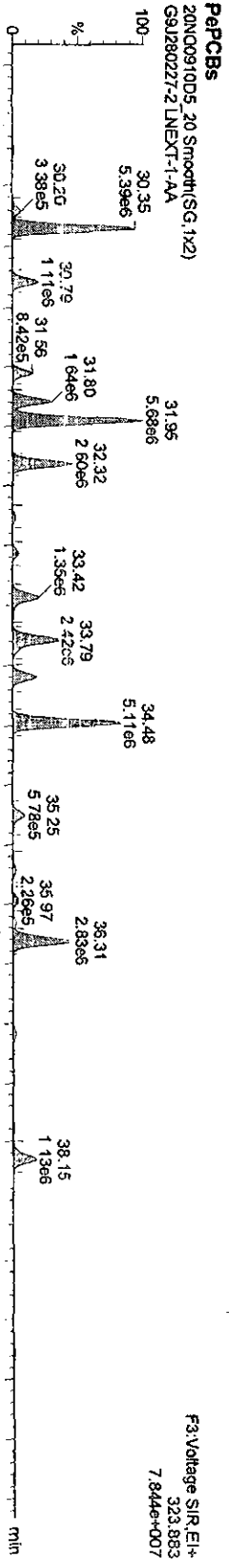
F3:Voltage SIR.EI+  
291.919  
1.028e+008



Dataset: C:\MassLynx\Default\proj\20N00910D51688MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_20, Date: 21-Nov-2009, Time: 08:26:24, ID: LNEXT-1-AA, Description: G9J280227-2



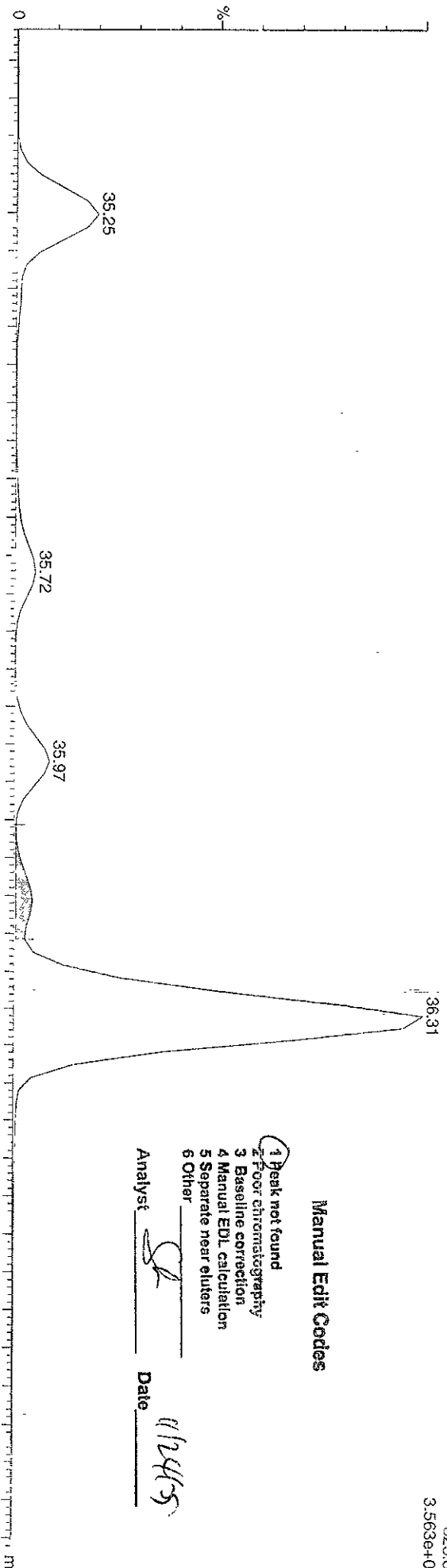
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Last Altered: Tuesday, November 24, 2009 12:33:15 Pacific Standard Time  
Printed: Tuesday, November 24, 2009 12:34:17 Pacific Standard Time

Sample Name: 20NO0910D5\_20

20NO0910D5\_20 Smooth(SG,1x2)  
G9J280227-2 LNEXT-1-AA

F3: Voltage S1R, E1+  
323,883  
3.563e+007



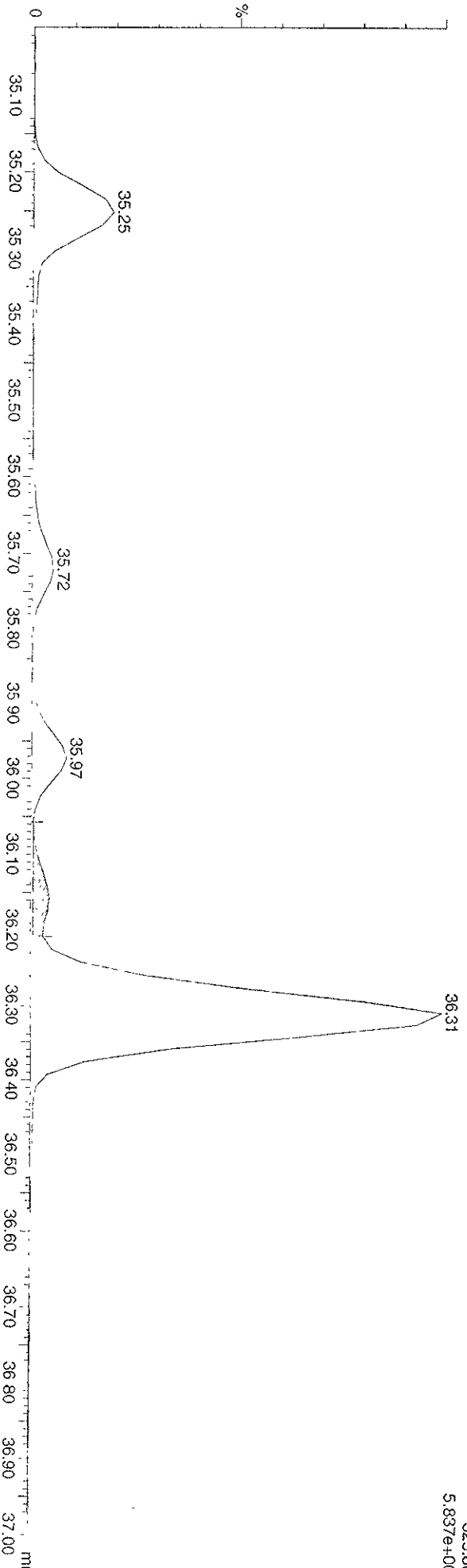
20NO0910D5\_20 Smooth(SG,1x2)  
G9J280227-2 LNEXT-1-AA

F3: Voltage S1R, E  
325,883  
5.837e+007

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst [Signature] Date 11/24/09





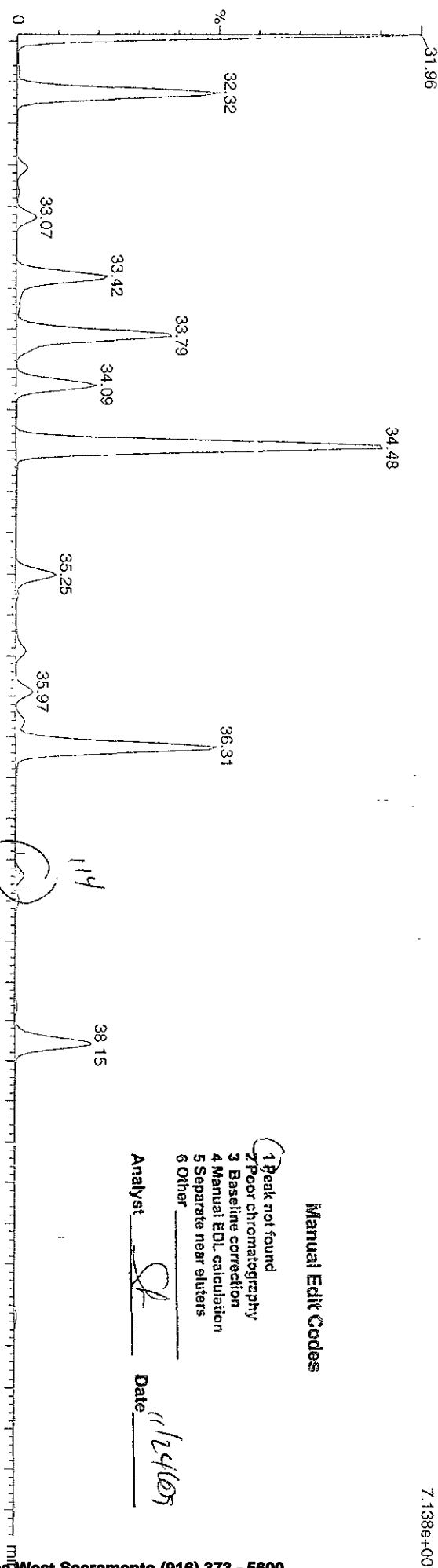
Dataset: F:\20NO0910D51668M\SLask.qld

Last Altered: Tuesday, November 24, 2009 12:33:15 Pacific Standard Time  
Printed: Tuesday, November 24, 2009 12:34:17 Pacific Standard Time

Sample Name: 20NO0910D5\_20

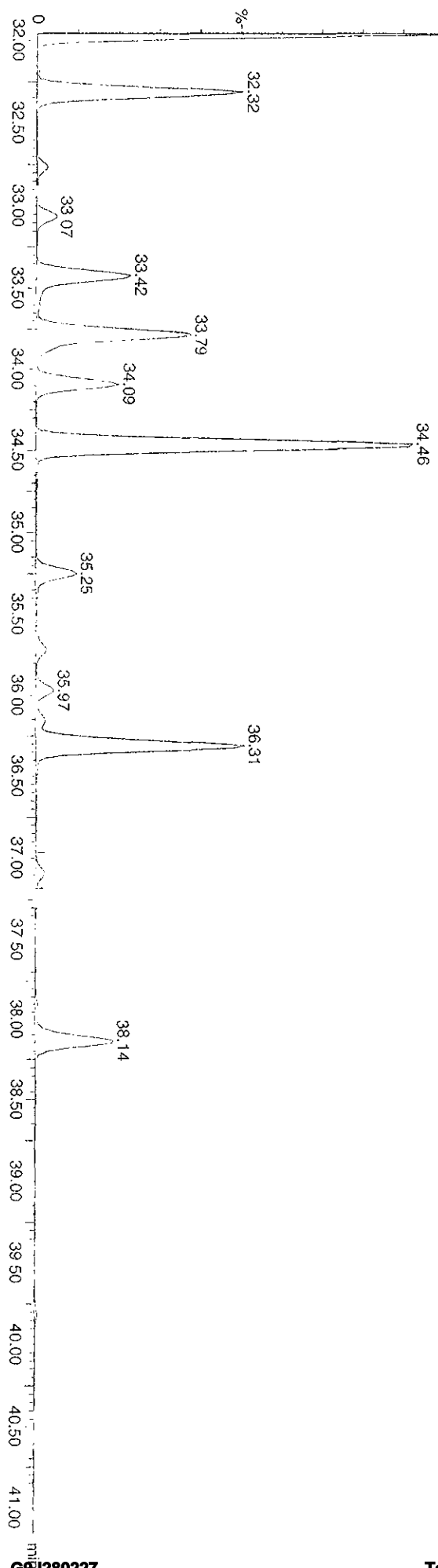
20NO0910D5\_20 Smooth(SG,1x2)  
G9J280227-2 LNEXT-1-AA

F3 Voltage SIP, EI+  
323.883  
7.138e+007



20NO0910D5\_20 Smooth(SG,1x2)  
G9J280227-2 LNEXT-1-AA

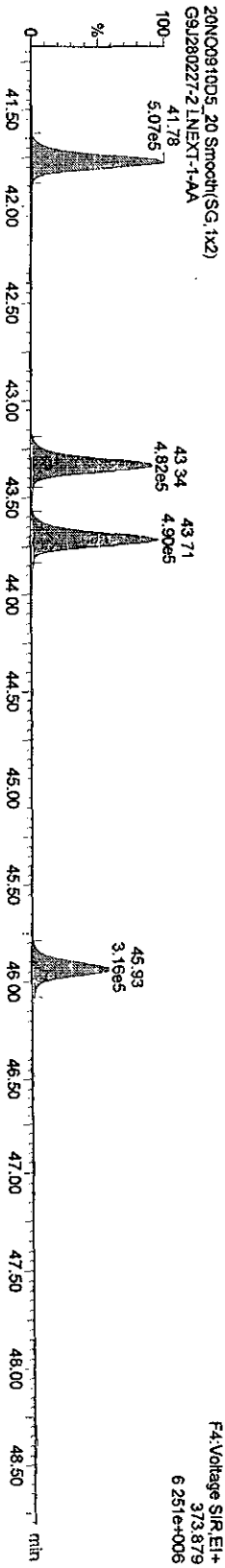
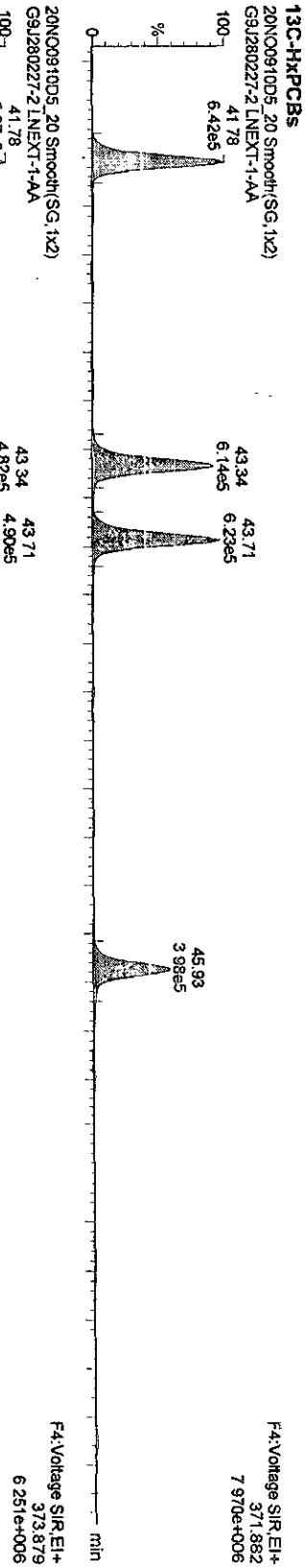
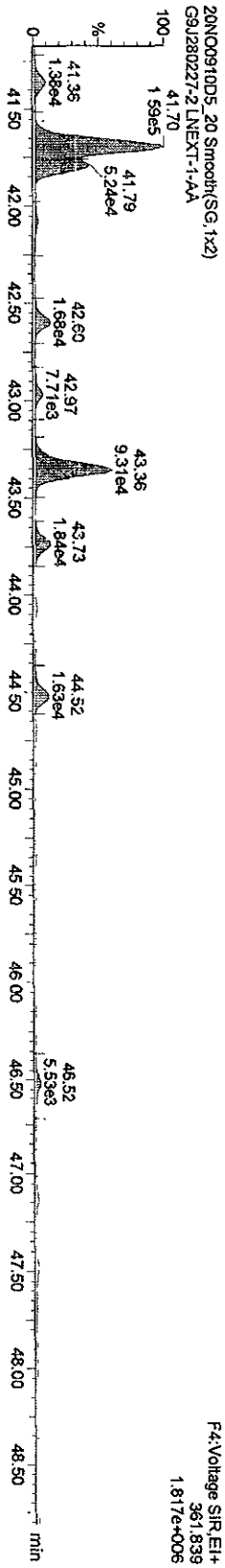
F3 Voltage SIP, EI+  
325.883  
1.139e+007



Dataset: C:\MassLynx\Default\proj\20N00910D5\_1668MSLA.qtd

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_20, Date: 21-Nov-2009, Time: 08:26:24, ID: LNEXT-1-AA, Description: G9J280227-2

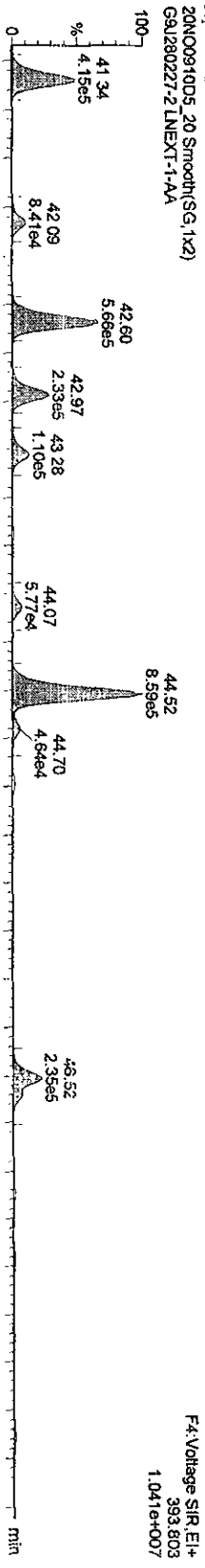


Dataset: C:\MassLynx\Default.pro\20N0910D51668MSLA.qld

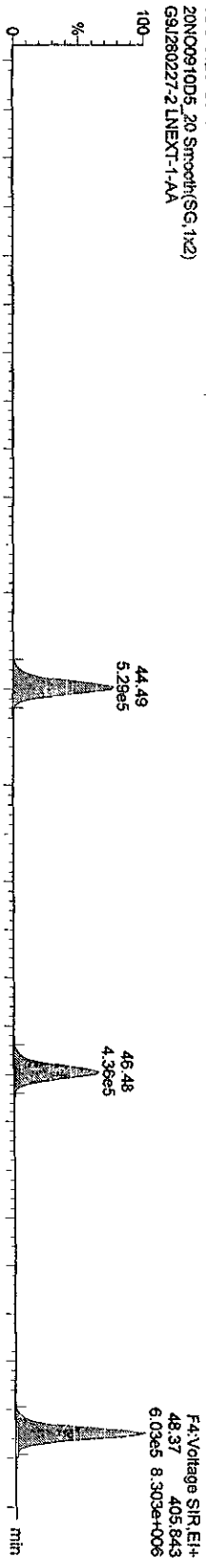
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N0910D5\_20, Date: 21-Nov-2009, Time: 08:26:24, ID: LNEXT-1-AA, Description: G9J280227-2

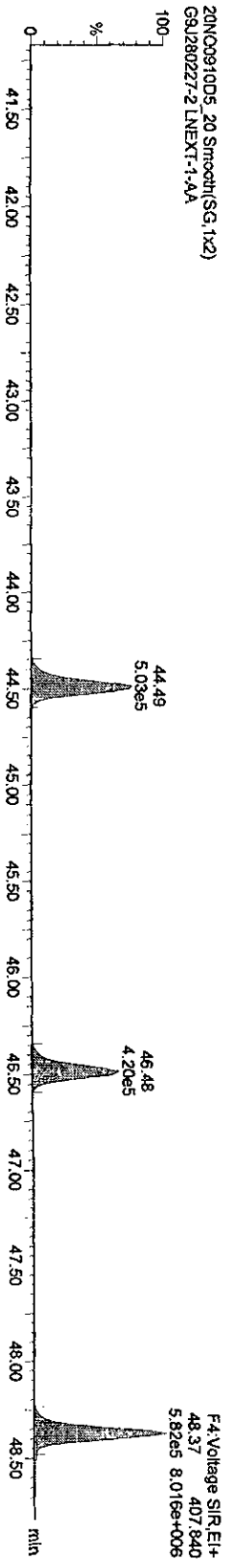
HPPCBs



13C-HPPCBs



20N0910D5\_20



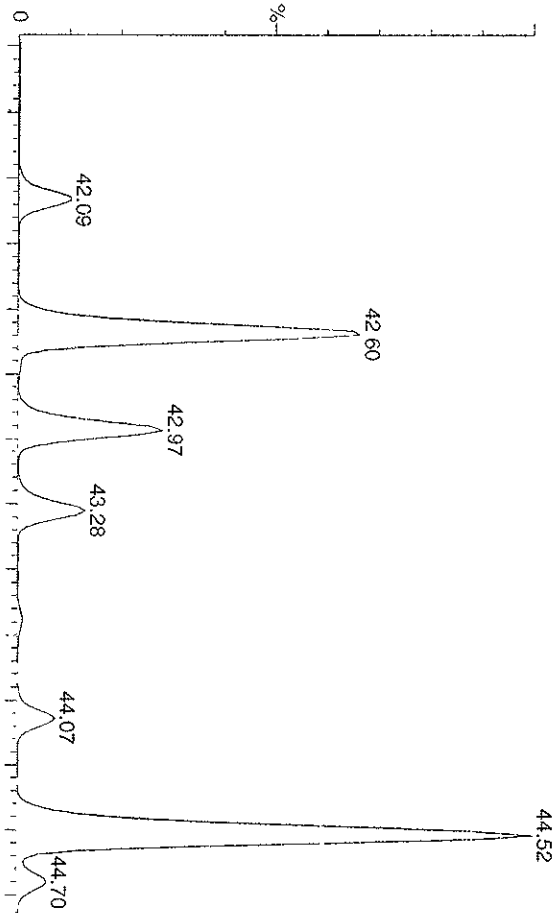
Dataset: F:\20NO0910D51668MSLask.qld

Last Altered: Tuesday, November 24, 2009 12:33:15 Pacific Standard Time  
Printed: Tuesday, November 24, 2009 12:34:17 Pacific Standard Time

Sample Name: 20NO0910D5\_20

20NO0910D5\_20 Smooth(SG:1x2)  
G9J280227-2 LNEXT-1-AA

F4: Voltage SIR.EI+  
393.803  
1.041e+007



HPCB-170  
46.51  
234956  
2257342  
bb  
1326 pg  
1194

Manual Edit Codes

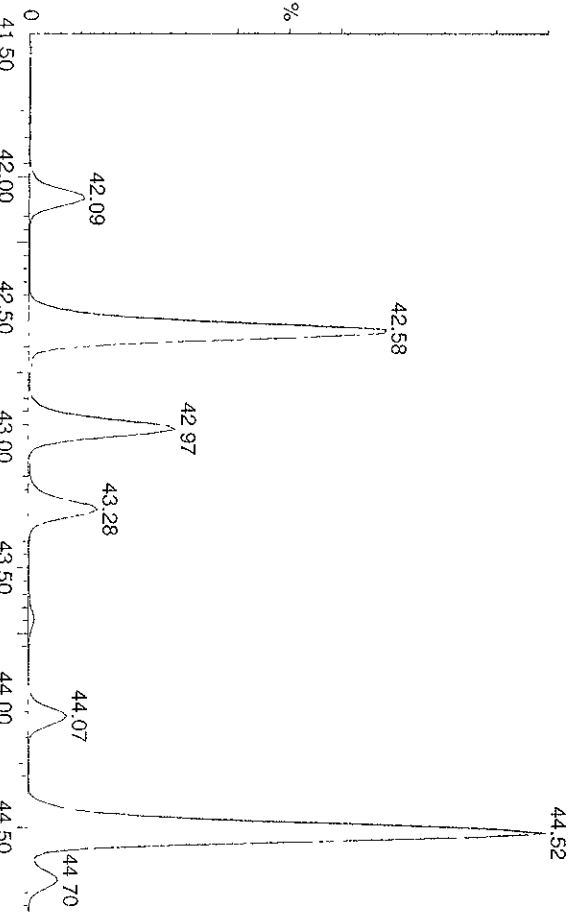
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate report entries
- 6 Other

Analyst SR

Date 11/24/09

20NO0910D5\_20 Smooth(SG:1x2)  
G9J280227-2 LNEXT-1-AA

F4: Voltage SIR.EI+  
395.803  
9.950e+007



HPCB-170  
46.52  
223391  
2129626  
MM  
1 +0%  
1312

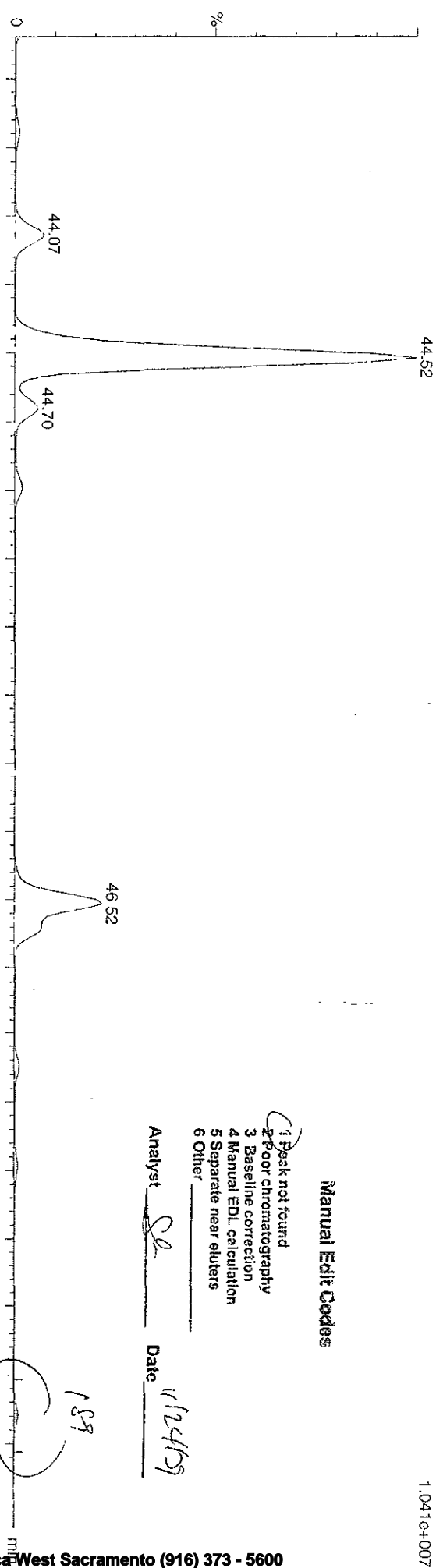
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Last Altered: Tuesday, November 24, 2009 12:33:15 Pacific Standard Time  
Printed: Tuesday, November 24, 2009 12:34:17 Pacific Standard Time

Sample Name: 20NO0910D5\_20

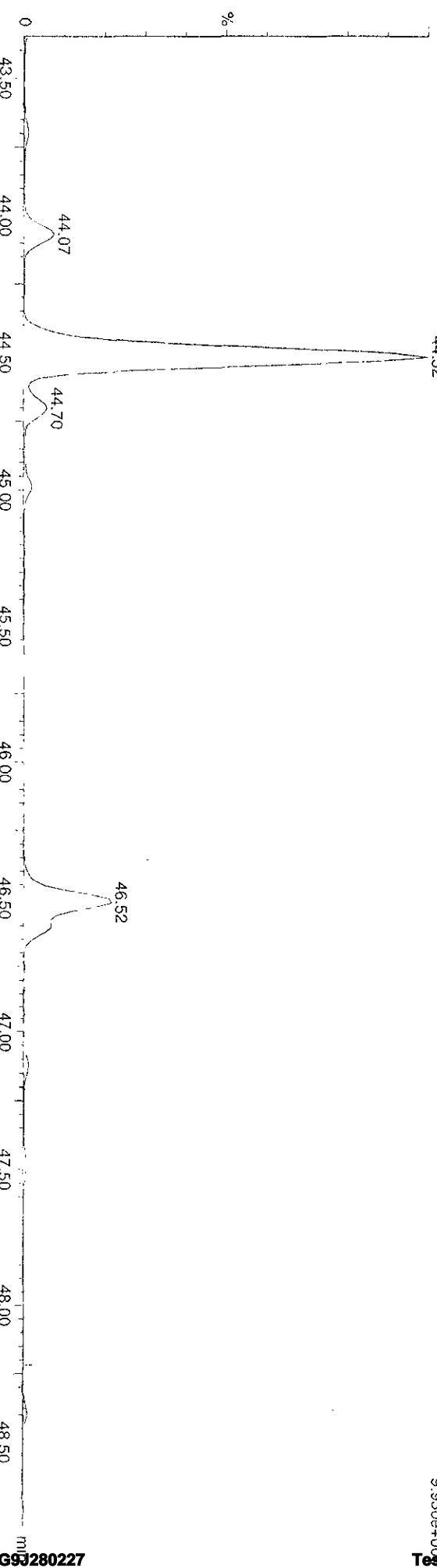
20NO0910D5\_20 Smooth(SG, 1x2)  
G9J280227-2 LNEXT-1-AA

F4: Voltage SIR, EI+  
393.803  
1.041e+007



20NO0910D5\_20 Smooth(SG, 1x2)  
G9J280227-2 LNEXT-1-AA

F4: Voltage SIR, EI+  
395.800  
9.950e+000



Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

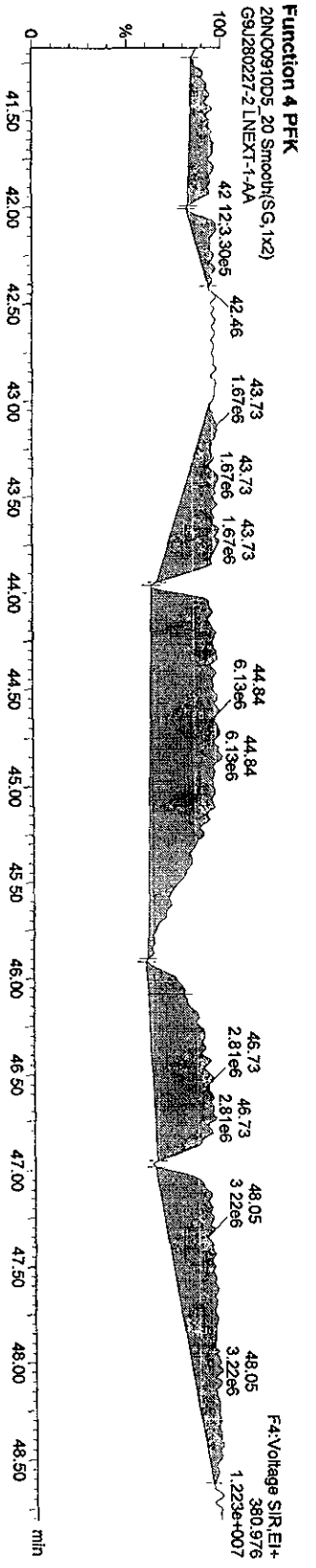
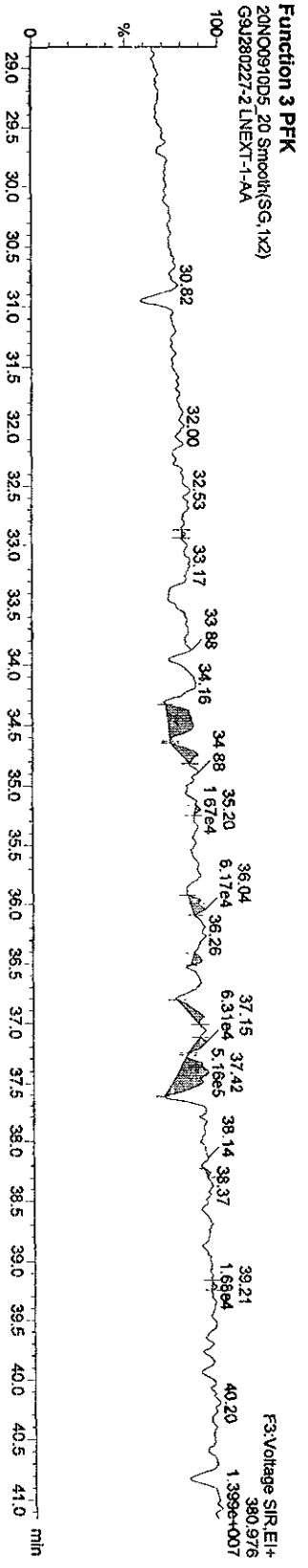
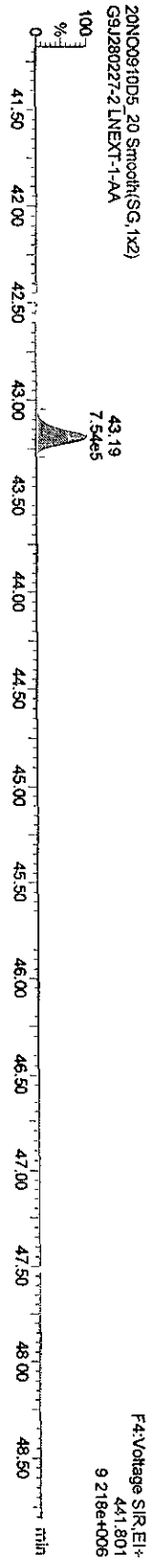
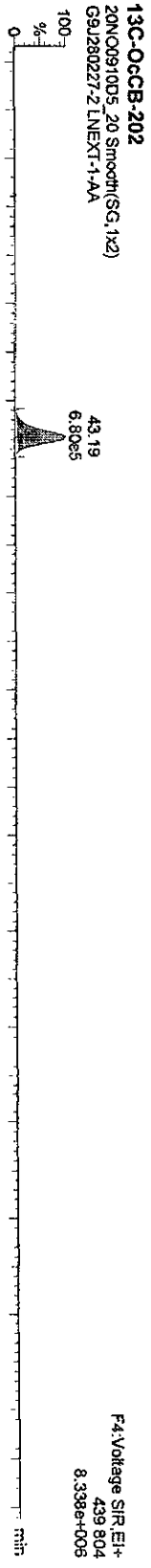
Analyst SL

Date 11/24/09

Dataset: C:\MassLynx\Default\pro\20NOC0910D51668MSLA.qid

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NOC0910D5\_20, Date: 21-Nov-2009, Time: 08:26:24, ID: LNEXT-1-AA, Description: G9J280227-2



Quantity Sample Summary Report MassLynx 4.1

Dataset: R:\20NO0910D51668MSL\Ask.qld

Last Altered: Tuesday, November 24, 2009 12:41:51 Pacific Standard Time  
 Printed: Tuesday, November 24, 2009 12:43:01 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Method\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
 Calibration: C:\MassLynx\Default.pro\Curved\1CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 20NO0910D5\_21, Date: 21-Nov-2009, Time: 09:23:15, ID: LNEXT9-1-AA, Description: G9J280227-3, Task:

*Handwritten signature/initials*

# Name	Trace	Sample Size	RT	Prd RT	RRF M.	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1 13C-PeCB-101	335.924	0.500	31.88	31.75	1.00000	878790.25	4000.0000	4000.0000	100.0	3.80071	0.6316	NO	
2													
3 13C-TeCB-81	501.963	0.500	33.76	33.77	1.03984	848819.00	3715.5464	3715.5464	92.9	4.16727	0.7824	NO	
4 TeCB-81	289.922	0.500	33.76	33.76	1.45839	98946.83	319.7232	319.7232	97.7	4.90185	0.7471	NO	24-Nov-09
5 13C-TeCB-77	301.963	0.500	34.43	34.46	1.10430	947863.19	3906.9085	3906.9085	97.7	3.92403	0.7884	NO	
6 TeCB-77	289.922	0.500	34.45	34.43	1.27061	534898.14	1776.5381	1776.5381	101.4	5.22399	0.7578	NO	
7													
8 13C-PeCB-123	335.924	0.500	36.09	36.14	0.99324	1020638.97	4677.2873	4677.2873	116.9	3.82659	0.6278	NO	
9 PeCB-123	323.883	0.500	36.14	36.09	1.50539	197465.45	514.0802	514.0802	119.2	3.22064	0.6323	NO	24-Nov-09
10 13C-PeCB-118	335.924	0.500	36.26	36.31	1.02407	1072823.78	4768.3994	4768.3994	119.2	3.71137	0.6274	NO	
11 PeCB-118/106	323.883	0.500	36.29	36.26	1.52536	4063331.50	9932.1278	9932.1278	114.6	3.04087	0.5989	NO	
12 13C-PeCB-114	335.924	0.500	37.05	37.09	1.03691	1044114.31	4583.3394	4583.3394	114.6	3.66542	0.6270	NO	
13 PeCB-114	323.883	0.500	37.06	37.05	1.58603	147984.75	357.4510	357.4510	122.6	2.95711	0.5925	NO	24-Nov-09
14 13C-PeCB-105	335.924	0.500	38.10	38.17	0.96151	1057386.59	4903.5928	4903.5928	133.9	3.87232	0.6377	NO	
15 PeCB-105/127	323.883	0.500	38.12	38.10	1.43326	1651639.38	4352.2617	4352.2617	133.9	3.34194	0.6314	NO	
16 13C-PeCB-126	335.924	0.500	40.40	40.47	1.02999	1211994.16	5356.0335	5356.0335	100.0	3.69006	0.6247	NO	
17 PeCB-126	323.883	0.500	40.40	40.40	1.15582					3.81651		NO	
18													
19 13C-OcCB-202	439.804	0.500	43.17	43.16	1.00000	1390006.81	4000.0000	4000.0000	100.0	1.35287	0.9007	NO	
20													
21 13C-HxCB-167	371.882	0.500	41.75	41.71	1.00247	1084865.78	3114.2773	3114.2773	77.9	2.50612	1.2734	NO	
22 HxCB-167	359.841	0.500	41.78	41.75	1.34796	76186.51	208.3898	208.3898	94.6	2.69907	1.0684	NO	
23 13C-HxCB-156	371.882	0.500	43.33	43.29	0.79510	1032869.97	3785.8327	3785.8327	94.6	3.19996	1.3006	NO	
24 HxCB-156	359.841	0.500	43.34	43.33	1.68840	137286.54	314.8954	314.8954	90.5	2.27160	1.2439	NO	
25 13C-HxCB-157	371.882	0.500	43.70	43.68	0.83526	1050319.59	3618.5980	3618.5980	90.5	3.00779	1.2643	NO	
26 HxCB-157	359.841	0.500	43.73	43.70	1.65965	26552.57	60.9296	60.9296	80.7	2.21533	1.1643	NO	
27 13C-HxCB-169	371.882	0.500	45.93	45.90	0.87128	977746.66	3229.3328	3229.3328	100.1	2.88347	1.2738	NO	
28 HxCB-169	359.841	0.500	45.93	45.93	1.09832					3.71198		NO	
29													
30 13C-HpCB-180	405.843	0.500	44.47	44.47	0.68403	951620.69	4003.4414	4003.4414	100.1	1.98123	1.0542	NO	
31 HpCB-180	393.803	0.500	44.50	44.47	1.30035	1428332.56	4617.0515	4617.0515	100.1	2.26175	1.0327	NO	

Quantity Sample Summary Report MassLynx 4.1

Dataset: R:\20NO0910D51668MSLAsk.qld

Last Altered: Tuesday, November 24, 2009 12:41:51 Pacific Standard Time  
 Printed: Tuesday, November 24, 2009 12:43:01 Pacific Standard Time

Name: 20NO0910D5\_21, Date: 21-Nov-2009, Time: 09:23:15, ID: LNEXT9-1-AA, Description: G9J280227-3, Task:

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32 13C-HpCB-170	405.843	0.500	46.47	46.47	0.54773	832828.88	4375.5303	4375.5303	109.4	2.47422	1.0498	NO	24-Nov-09
33 HpCB-170	393.803	0.500	46.50	46.47	1.61501	403224.55	1199.1579	1199.1579	114.4	2.04226	1.0485	NO	
34 13C-HpCB-189	405.843	0.500	48.36	48.36	0.69767	1109296.88	4575.5273	4575.5273	114.4	1.94248	1.0422	NO	
35 HpCB-189	393.803	0.500	48.36	48.36	1.23073					1.81366		NO	
36													
37 13C-PeCB-111	335.924	0.500	33.63	33.51	1.30475	1066582.94	3023.7420		75.6	2.72892	0.6289	NO	
38													
39 Function 3 PFK	380.976	1.000			0.00								
40 Function 4 PFK	380.976	1.000			0.00								



Dataset: C:\MassLynx\Default.pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20NO0910D5\_21, Date: 21-Nov-2009, Time: 09:23:15, ID: LNE9-1-AA, Description: G9J280227-3, Task:

#	Name	Trace	Sample Size	RT	Pid	RT	RRF	M	Abs Resp	RR	EMPC	%Rec	EDI	Ratio	Pid Ratio	Ratio	Mod Date
1	13C-PeCB-101	335.924	0.500	31.88	31.75	1.000			878790.25	4000.0000	4000.0000	100.0	3.8007	0.632	0.610		NO
2	3 13C-TeCB-81	301.963	0.500	33.76	33.77	1.040			848819.00	3715.5464	3715.5464	92.9	4.1673	0.782	0.770		NO
	4 TeCB-81	289.922	0.500	33.76	33.76	1.458							4.9018		0.770		NO
5	13C-TeCB-77	301.963	0.500	34.43	34.46	1.104			947863.19	3906.9085	3906.9085	97.7	3.9240	0.788	0.770		NO
6	TeCB-77	289.922	0.500	34.45	34.43	1.271			534898.14	1776.5381	1776.5381		5.2240	0.758	0.770		NO
7	8 13C-PeCB-123	335.924	0.500	36.09	36.14	0.993			1020638.97	4677.2873	4677.2873	116.9	3.8266	0.628	0.610		NO
	9 PeCB-123	323.883	0.500	35.94	36.09	1.505			335701.73	873.9637	873.9637		3.2206	0.619	0.610		NO
10	13C-PeCB-118	335.924	0.500	36.26	36.31	1.024			1072823.78	4768.3994	4768.3994	119.2	3.7114	0.627	0.610		NO
11	PeCB-118/106	323.883	0.500	36.29	36.26	1.525			4063331.50	9932.1278	9932.1278		3.0409	0.599	0.610		NO
12	13C-PeCB-114	335.924	0.500	37.05	37.09	1.037			1044114.31	4583.3394	4583.3394	114.6	3.6654	0.627	0.610		NO
	13 PeCB-114	323.883	0.500	37.05	37.05	1.586							2.9571		0.610		NO
14	13C PeCB-105	335.924	0.500	38.10	38.17	0.982			1057386.59	4903.5928	4903.5928	122.6	3.8722	0.638	0.610		NO
15	PeCB-105/127	323.883	0.500	38.12	38.10	1.433			1651630.38	4359.2617	4359.2617		3.3419	0.631	0.610		NO
16	13C-PeCB-126	335.924	0.500	40.40	40.47	1.030			1211994.16	5356.0335	5356.0335	133.9	3.6901	0.625	0.610		NO
17	PeCB-126	323.883	0.500	40.40	40.40	1.156							3.8165		0.610		NO
18	19 13C-OcCB-202	439.804	0.500	43.17	43.16	1.000			1390006.81	4000.0000	4000.0000	100.0	1.3529	0.901	0.890		NO
20	21 13C-HXCB-167	371.882	0.500	41.75	41.71	1.002			1084885.78	3114.2773	3114.2773	77.9	2.5061	1.273	1.240		NO
	22 HXCB-167	359.841	0.500	41.78	41.75	1.348			76186.51	208.3898	208.3898		2.6991	1.068	1.240		NO
23	13C-HXCB-156	371.882	0.500	43.33	43.29	0.785			1032869.97	3785.8327	3785.8327	94.6	3.2000	1.301	1.240		NO
24	HXCB-156	359.841	0.500	43.34	43.33	1.688			137286.54	314.8954	314.8954		2.2716	1.244	1.240		NO
25	13C-HXCB-157	371.882	0.500	43.70	43.68	0.835			1050319.59	3618.5980	3618.5980	90.5	3.0078	1.264	1.240		NO
26	HXCB-157	359.841	0.500	43.73	43.70	1.660			26552.57	60.9296	60.9296		2.2153	1.164	1.240		NO
27	13C-HXCB-169	371.882	0.500	45.93	45.90	0.871			977746.66	3229.3328	3229.3328	80.7	2.8835	1.274	1.240		NO
28	HXCB-169	359.841	0.500	45.93	45.93	1.098							3.7120		1.240		NO
29	30 13C-HpCB-180	405.843	0.500	44.47	44.47	0.684			951620.69	4003.4414	4003.4414	100.1	1.9812	1.054	1.050		NO
	31 HpCB-180	393.803	0.500	44.50	44.47	1.300			1428332.56	4617.0515	4617.0515		2.2618	1.033	1.050		NO
32	13C-HpCB-170	405.843	0.500	46.47	46.47	0.548			832828.88	4375.5303	4375.5303	109.4	2.4742	1.050	1.050		NO
	33 HpCB-170	393.803	0.500	46.50	46.47	1.615			324456.64	964.9083	964.9083		2.0423	1.049	1.050		NO
34	13C-HpCB-189	405.843	0.500	48.36	48.36	0.698			1109296.88	4575.5273	4575.5273	114.4	1.9425	1.042	1.050		NO
35	HpCB-189	393.803	0.500	48.36	48.36	1.231							1.8137		1.050		NO

Dataset: C:\MassLynx\Default\pro\20NOC0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20NOC0910D5\_21, Date: 21-Nov-2009, Time: 09:23:15, ID: LNEXT-1-AA, Description: G9J280227-3, Task:

#	Name	Trace	Sample Size	RT	Ptd RT	RRF	M	Abs Resp	Area	EMPG	Area Ratio	EMPG Ratio	Peak	Ident	Date
36															
37	13C-PeCB-111		0.500	33.63	33.51	1.305		1066582.94	3023.7420		75.6	2.7289	0.629	0.610	NO
38															
39	Function 3 PFK		1.000												
40	Function 4 PFK		1.000												

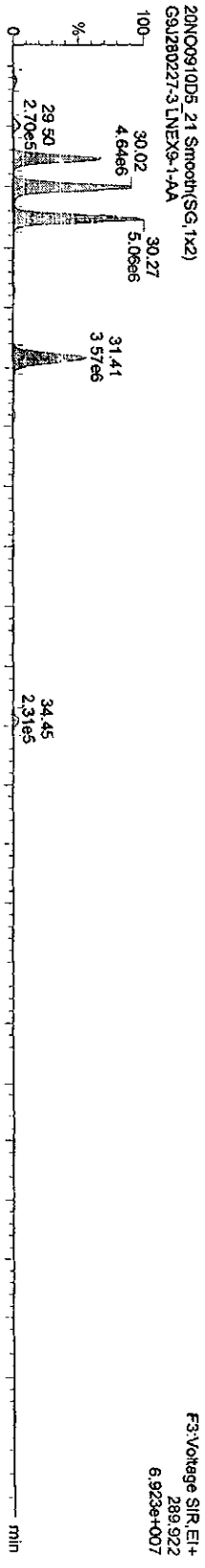
Dataset: C:\MassLynx\Default.pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time

Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

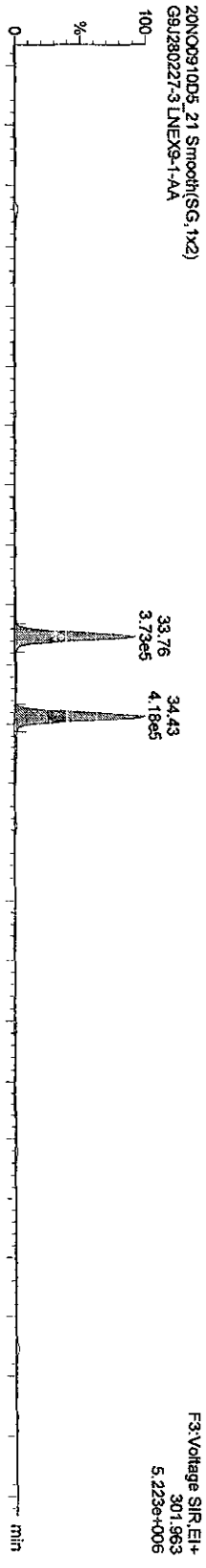
Name: 20NO0910D5\_21, Date: 21-Nov-2009, Time: 09:23:15, ID: LNEX9-1-AA, Description: G9J280227-3

TetraPCBs



MORE THAN 50% CONTRIBUTION FROM A HIGHER CHLORINATION PCB

13C-TetraPCBs



20NO0910D5\_21 Smooth(SG, 1x2)



Dataset: R:\20NO0910D51668MSLask.qld

Last Altered: Tuesday, November 24, 2009 12:41:51 Pacific Standard Time

Printed: Tuesday, November 24, 2009 12:42:27 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methodb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42

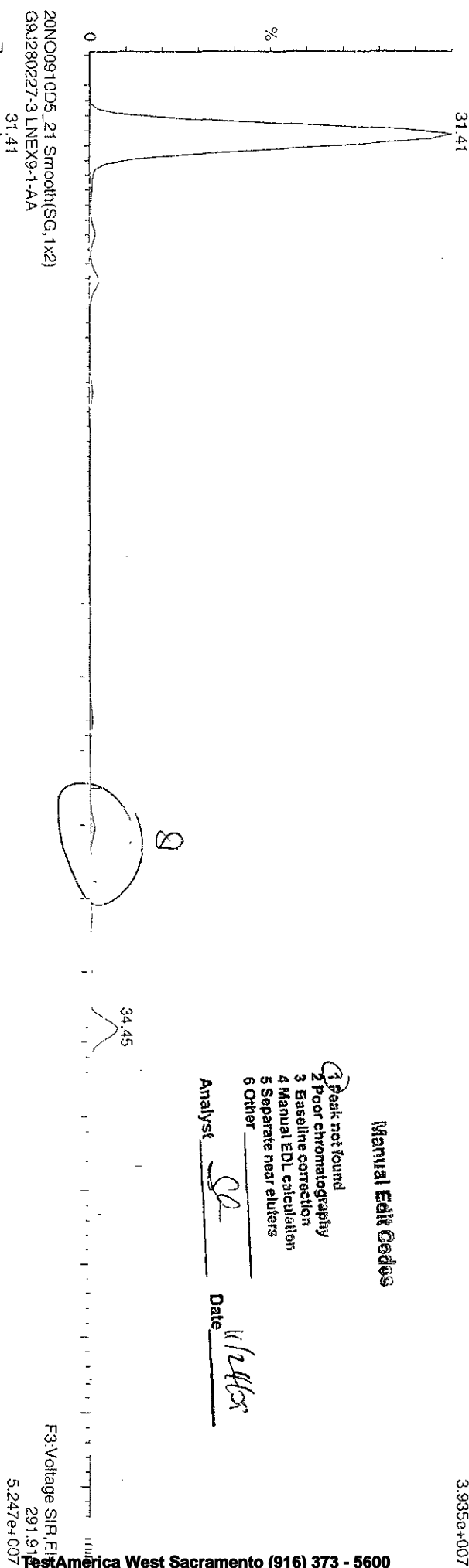
Calibration: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Sample Name: 20NO0910D5\_21

20NO0910D5\_21 Smooth(SG, 1x2)

G9J280227-3.LNEX9-1-AA

F3: Voltage SIR.EI+  
289.922  
3.935e+007



Manual Edit Codes

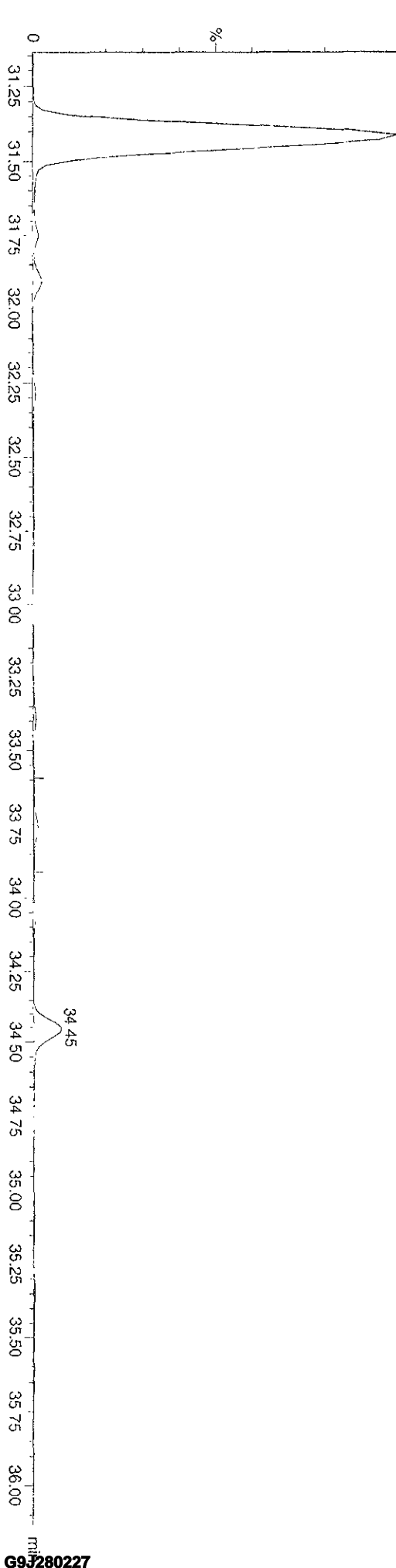
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst

SC

Date

11/24/09

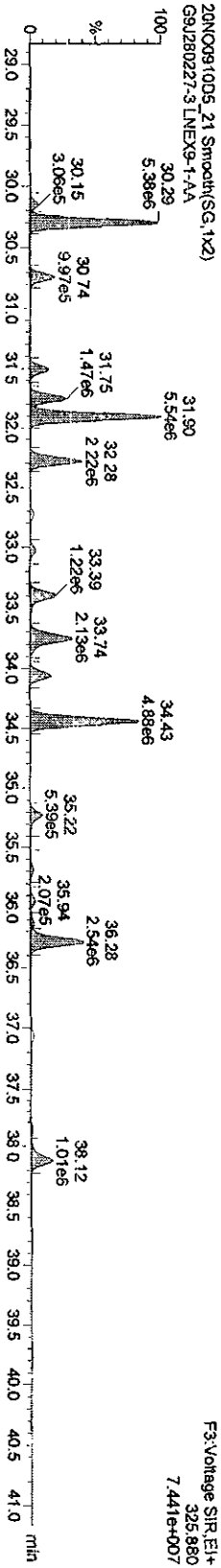
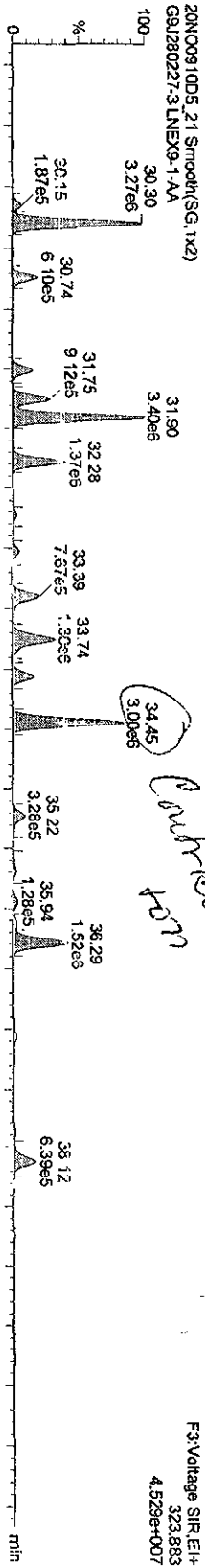


Dataset: C:\MassLynx\Default\20N00910D51668MSLA.qld

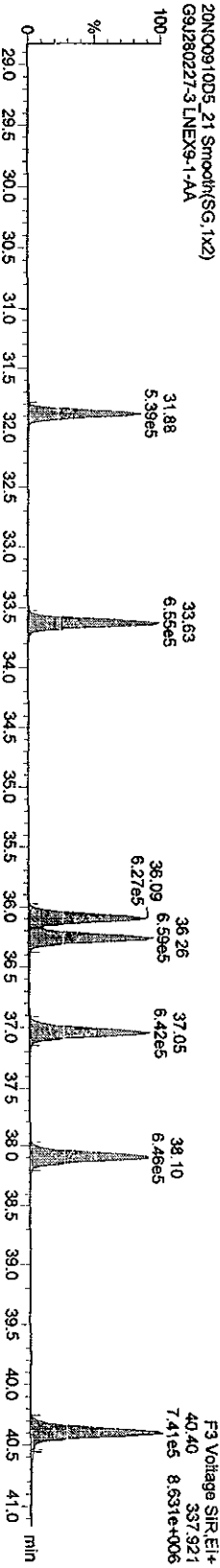
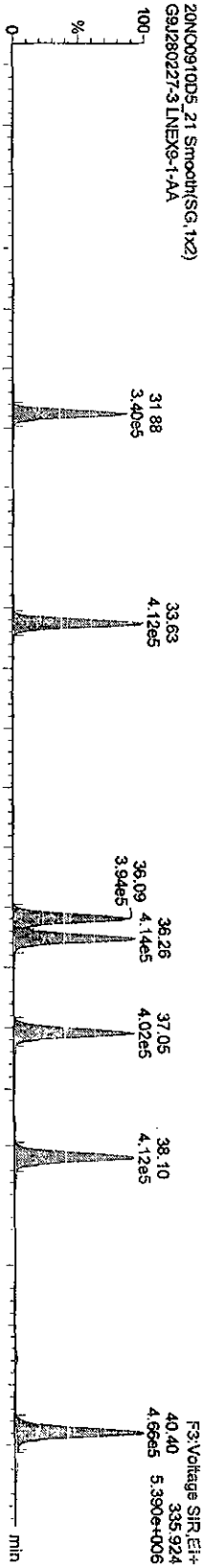
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_21, Date: 21-Nov-2009, Time: 09:23:15, ID: LNEIX9-1-AA, Description: G9J280227-3

**PePCBs**



**1,3-C-PePCBs**



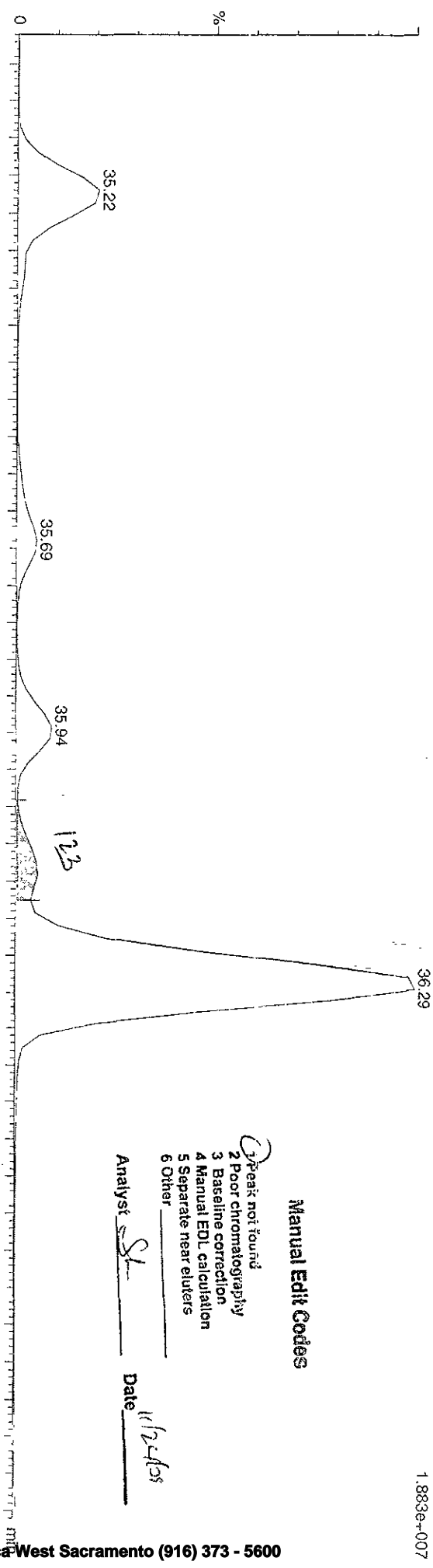
Dataset: F:\20NO0910D51668M\SLASK.qld

Last Altered: Tuesday, November 24, 2009 12:41:51 Pacific Standard Time  
Printed: Tuesday, November 24, 2009 12:42:27 Pacific Standard Time

Sample Name: 20NO0910D5\_21

20NO0910D5\_21 Smooth(SG,1x2)  
G9J280227-3.LNEX9-1-AA

F3:Voltage SIR, EI+  
323.883  
1.883e+007



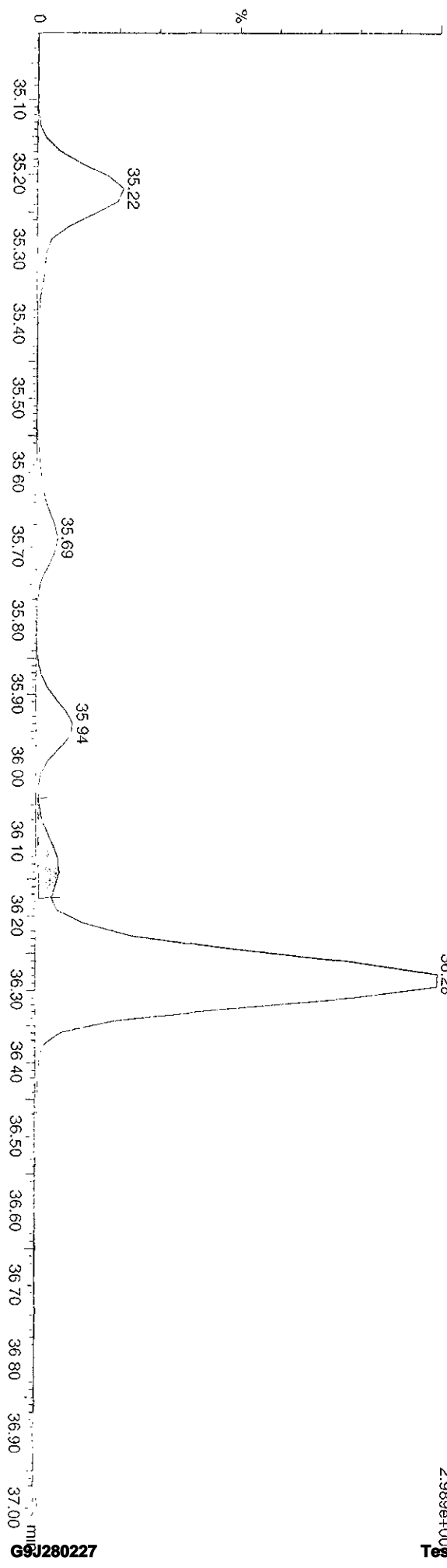
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst: SL Date: 11/24/09

20NO0910D5\_21 Smooth(SG,1x2)  
G9J280227-3.LNEX9-1-AA

F3:Voltage SIR, EI+  
325.883  
2.989e+007



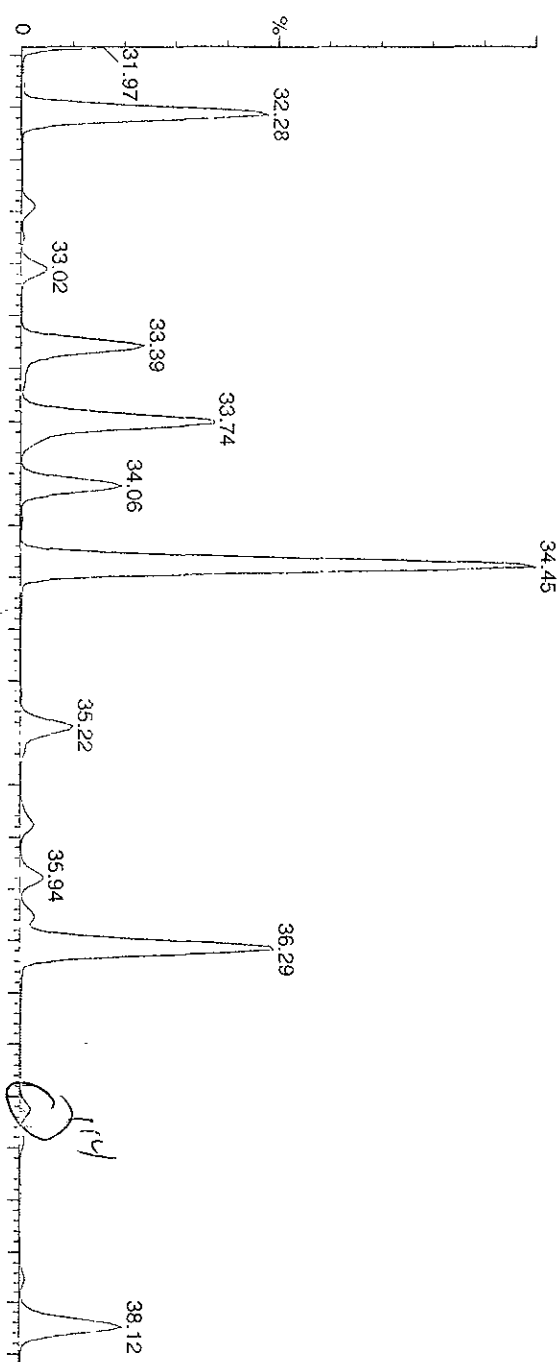
Dataset: R:\20NO0910D51668MSLASK.dld

Last Altered: Tuesday, November 24, 2009 12:41:51 Pacific Standard Time  
Printed: Tuesday, November 24, 2009 12:42:27 Pacific Standard Time

Sample Name: 20NO0910D5\_21

20NO0910D5\_21 Smooth(SG:1x2)  
G9J280227-3 LINDEX-1-AA

F3:Voltage SIR\_EI+  
323.883  
3.817e+007



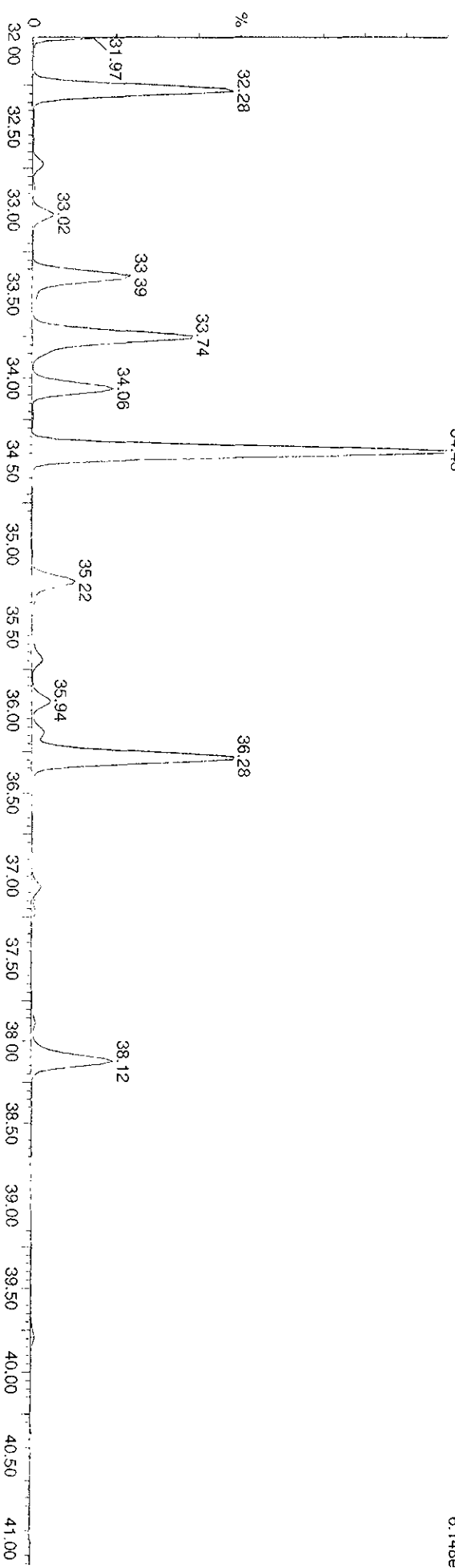
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst SK Date 11/24/09

20NO0910D5\_21 Smooth(SG:1x2)  
G9J280227-3 LINDEX-1-AA

F3:Voltage SIR\_EI+  
325.889  
6.148e+000

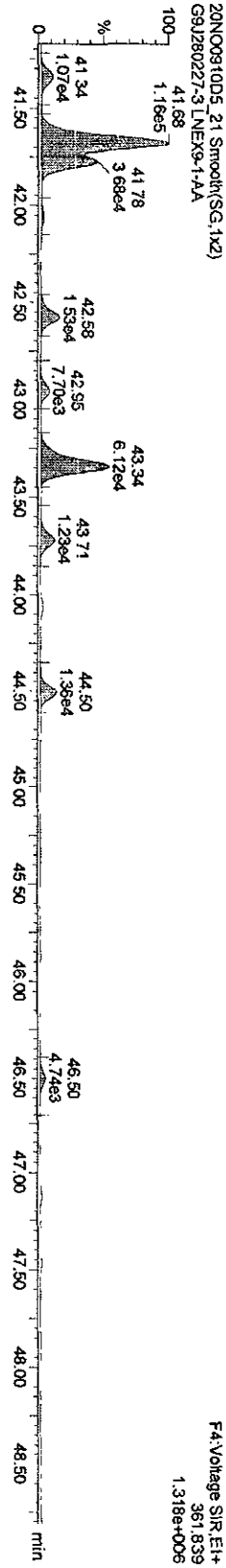
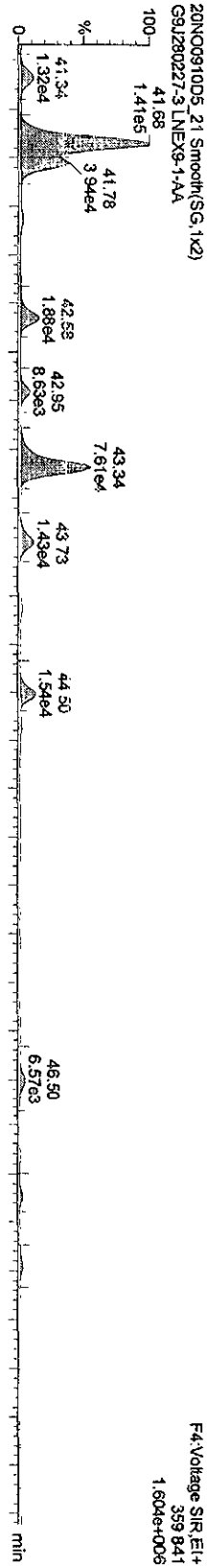


Dataset: C:\MassLynx\Default\pro120NO0910D51668MSLA.qid

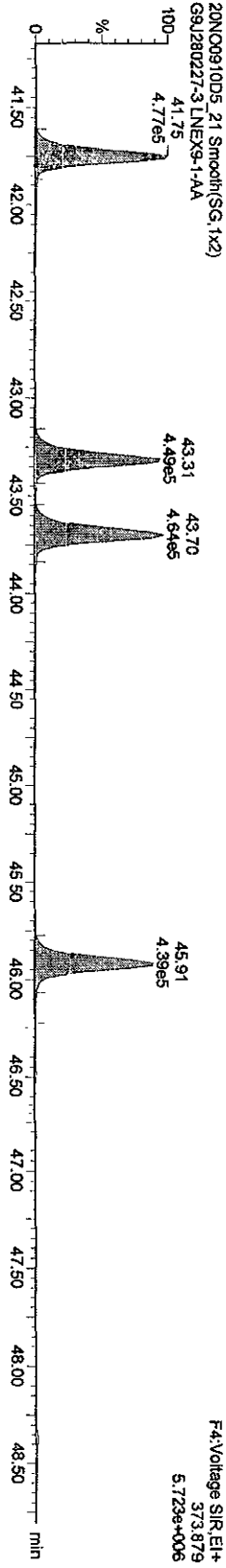
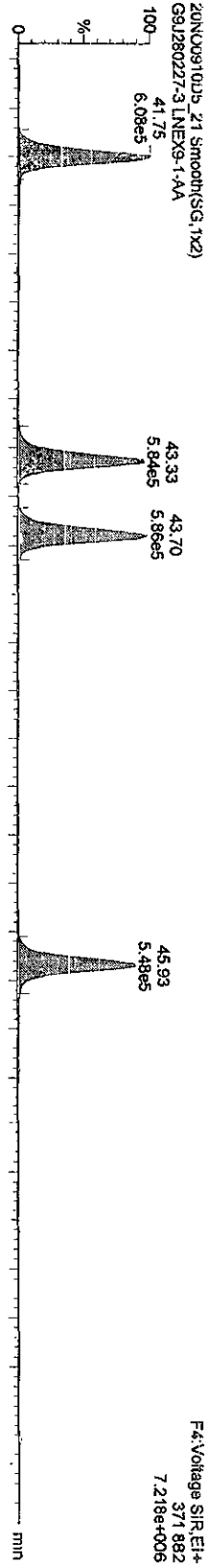
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NO0910D5\_21, Date: 21-Nov-2009, Time: 09:23:15, ID: LNE9-1-AA, Description: G9J280227-3

HxPCBs-



13C-HxPCBs



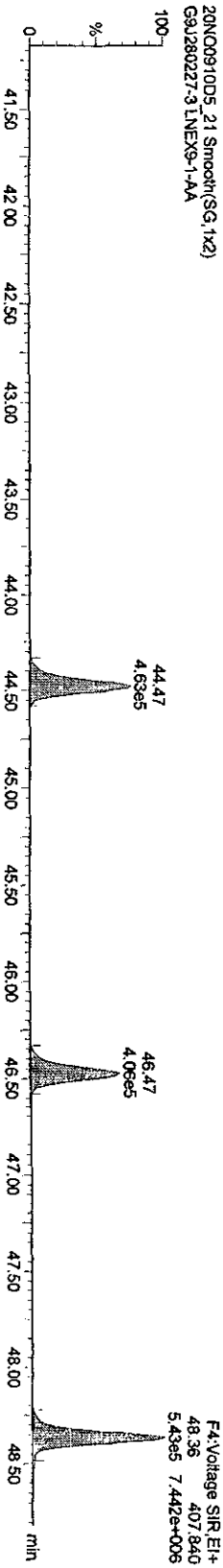
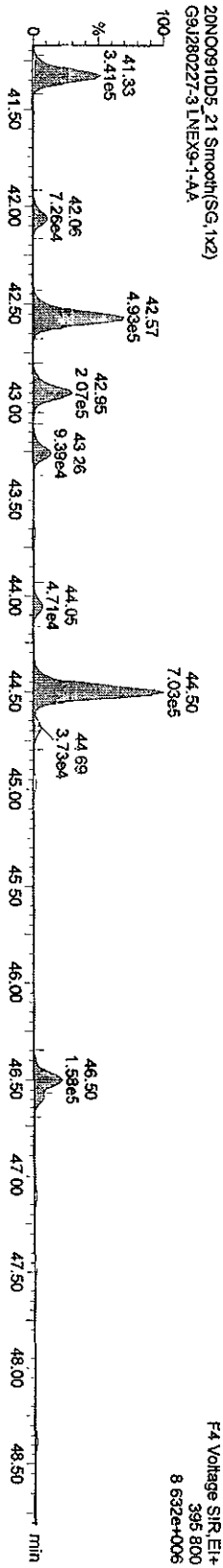
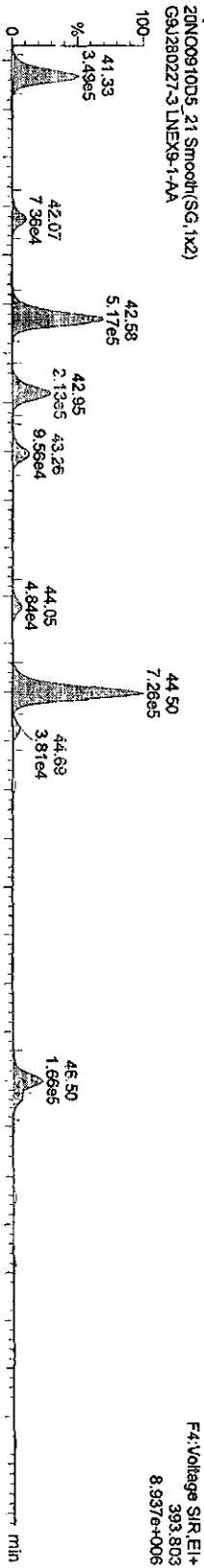


Dataset: C:\MassLynx\Default.pro\20N00910D51668MSLA.qtd

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_21, Date: 21-Nov-2009, Time: 09:23:15, ID: LNEIX9-1-AA, Description: G9J280227-3

HP PCBs



Dataset: F:\20N00910D51668MSLAsk.qld

Last Altered: Tuesday, November 24, 2009 12:41:51 Pacific Standard Time  
Printed: Tuesday, November 24, 2009 12:42:27 Pacific Standard Time

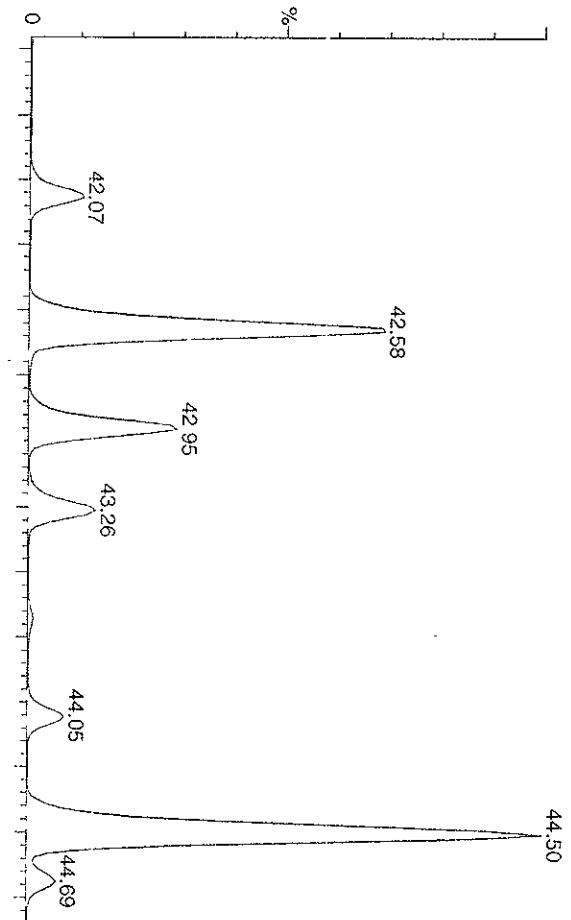
Sample Name: 20N00910D5\_21

20N00910D5\_21 Smooth(SG,1x2)  
G9J280227-3.LNEX9-1-AA

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

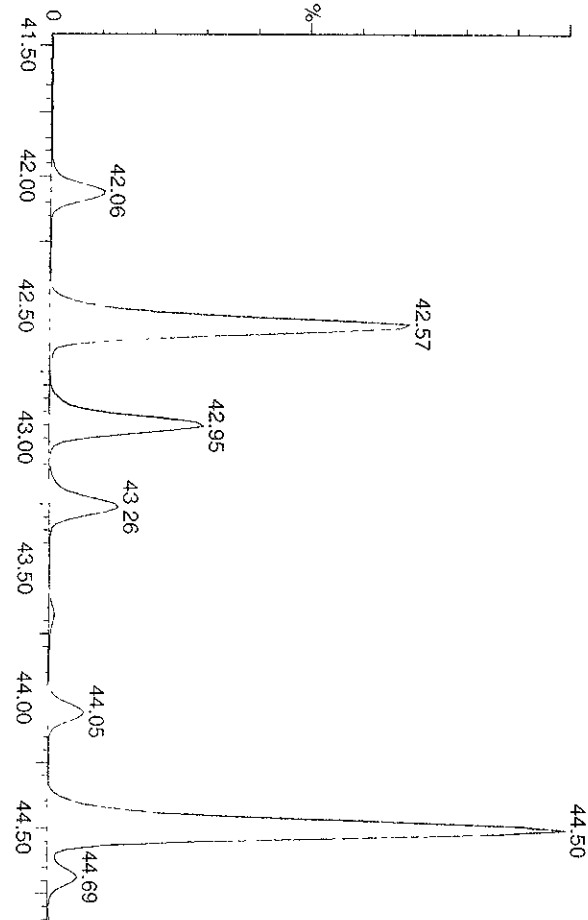
Analyst SK Date 11/24/09



HpCB-170  
46.50  
206387  
1989683  
MM  
1199 pg  
1287

F4 Voltage 319.1E+  
393.803  
8.937e+006

20N00910D5\_21 Smooth(SG,1x2)  
G9J280227-3.LNEX9-1-AA



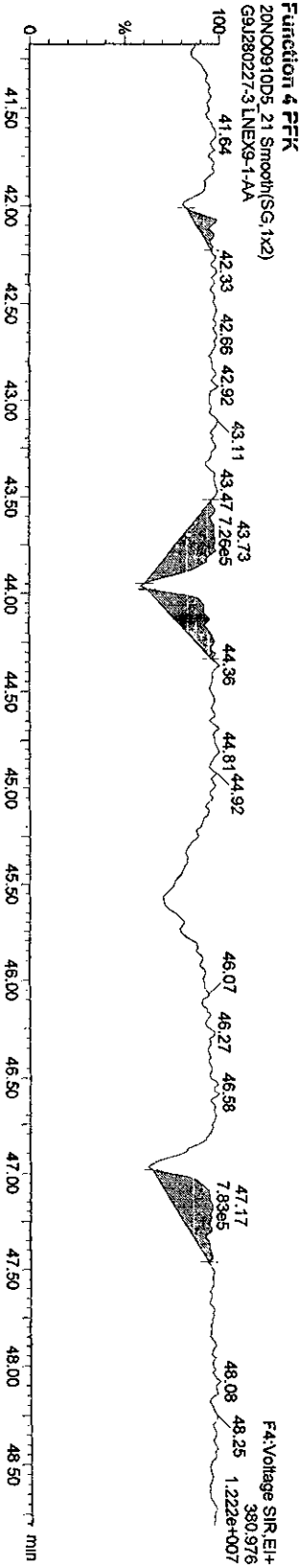
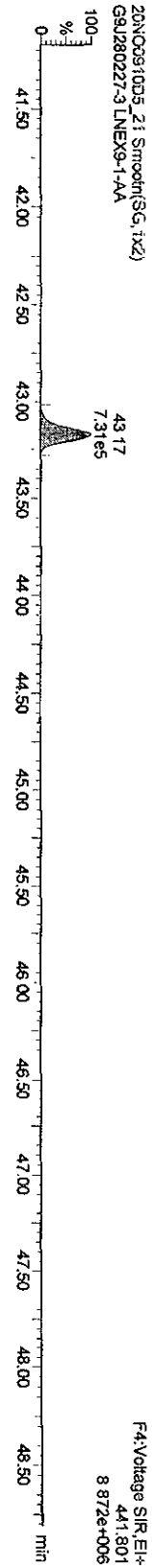
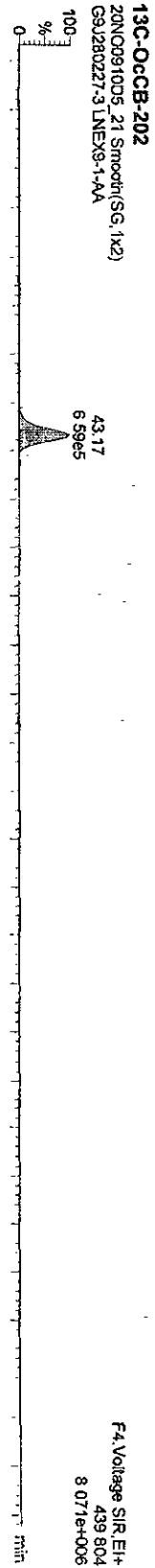
HpCB-170  
46.50  
196837  
1833965  
MM  
1.0%  
1486

F4 Voltage 319.1E+  
395.803  
8.632e+006

Dataset: C:\MassLynx\Default.pro\20N00910D5\_1668MSLA.qtd

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_21, Date: 21-Nov-2009, Time: 09:23:15, ID: LNEX9-1-AA, Description: G9J280227-3



Quantity Sample Summary Report MassLynx 4.1

Dataset: R:\20NOV0910D51668MSLAsk.qld

Last Altered: Tuesday, November 24, 2009 12:46:15 Pacific Standard Time  
 Printed: Tuesday, November 24, 2009 12:47:33 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
 Calibration: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 20NOV0910D5\_22, Date: 21-Nov-2009, Time: 10:20:04, ID: LNEOE-1-AA, Description: G9J280227-4, Task:

*Sample 4195*

# Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
1 13C-PeCB-101	335.924	0.500	31.92	31.75	1.00000	847737.97	4000.0000	4000.0000	100.0	5.40194	0.6309	NO	
2													
3 13C-TeCB-81	301.963	0.500	33.79	33.61	1.03964	830126.44	3993.7076	3993.7076	99.8	4.06281	0.8045	NO	
4 TeCB-81	289.922	0.500	33.79	33.79	1.45839					3.07430		NO	
5 13C-TeCB-77	301.963	0.500	34.46	34.50	1.10430	971683.69	4151.7968	4151.7968	103.8	3.82566	0.7877	NO	
6 TeCB-77	289.922	0.500	34.48	34.46	1.27061	48429.21	156.9031	156.9031		3.29155	0.7395	NO	
7													
8 13C-PeCB-123	335.924	0.500	36.13	36.17	0.99324	1045862.84	4968.4421	4968.4421	124.2	5.43872	0.6376	NO	
9 PeCB-123	323.883	0.500	36.16	36.13	1.50539	29282.68	74.3449	74.3449		2.84451	0.6871	NO	24-Nov-09
10 13C-PeCB-118	335.924	0.500	36.29	36.35	1.02407	1095952.53	5049.6302	5049.6302	126.2	5.27496	0.6341	NO	
11 PeCB-118/106	323.883	0.500	36.31	36.29	1.52536	668820.34	1643.3870	1643.3870		2.63973	0.6207	NO	
12 13C-PeCB-114	335.924	0.500	37.06	37.13	1.03691	1072909.66	4882.2579	4882.2579	122.1	5.20965	0.6267	NO	
13 PeCB-114	323.883	0.500	37.06	37.06	1.58603					2.58809		NO	
14 13C-PeCB-105	335.924	0.500	38.12	38.21	0.98151	1107184.75	5322.5095	5322.5095	133.1	5.50371	0.6336	NO	
15 PeCB-105/127	323.883	0.500	38.14	38.12	1.43226	226988.74	572.1207	572.1207		2.73823	0.6132	NO	
16 13C-PeCB-126	335.924	0.500	40.42	40.51	1.02999	1267639.25	5807.1364	5807.1364	145.2	5.24466	0.6285	NO	
17 PeCB-126	323.883	0.500	40.42	40.42	1.15582					3.06359		NO	
18													
19 13C-OcCB-202	439.804	0.500	43.20	43.16	1.00000	1406643.56	4000.0000	4000.0000	100.0	1.21324	0.8799	NO	
20													
21 13C-HxCB-167	371.882	0.500	41.78	41.74	1.00247	1120548.50	3178.6067	3178.6067	79.5	2.29731	1.2708	NO	
22 HxCB-167	359.841	0.500	41.79	41.78	1.34796	24808.85	65.6990	58.8160		1.57912	0.9825	YES	
23 13C-HxCB-156	371.882	0.500	43.34	43.32	0.78510	1087222.25	3937.9207	3937.9207	98.4	2.93334	1.2614	NO	
24 HxCB-156	359.841	0.500	43.36	43.34	1.68840	34722.83	75.6625	75.6625		1.34053	1.2766	NO	
25 13C-HxCB-157	371.882	0.500	43.71	43.71	0.83526	1107291.50	3769.7600	3769.7600	94.2	2.75718	1.2439	NO	
26 HxCB-157	359.841	0.500	43.74	43.71	1.65965	8291.31	18.0470	18.0470		1.34813	1.2025	NO	
27 13C-HxCB-169	371.882	0.500	45.94	45.93	0.87128	954545.41	3115.4151	3115.4151	77.9	2.64321	1.2751	NO	
28 HxCB-169	359.841	0.500	45.94	45.94	1.09832					2.36446		NO	
29													
30 13C-HpCB-180	405.843	0.500	44.50	44.50	0.88403	1014600.47	4217.9121	4217.9121	105.4	1.85557	1.0606	NO	
31 HpCB-180	393.803	0.500	44.52	44.50	1.30035	286221.64	867.7741	867.7741		1.84407	1.0273	NO	

Quantity Sample Summary Report      MassLynx 4.1

Dataset:      R:\20NOV0910D51668MSLAsk.qld

Last Altered:      Tuesday, November 24, 2009 12:46:15 Pacific Standard Time  
 Printed:      Tuesday, November 24, 2009 12:47:33 Pacific Standard Time

Name: 20NOV0910D5\_22, Date: 21-Nov-2009, Time: 10:20:04, ID: LNE0E-1-AA, Description: G9J280227-4, Task:

# Name	Trace	Sample Size	RT	Prd.RT	HRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio F...	Mod Date
32 13C-HpCB-170	405.843	0.500	46.49	46.50	0.54773	880104.09	4569.2175	4569.2175	114.2	2.31730	1.0411	NO	
33 HpCB-170	393.803	0.500	46.52	46.49	1.61501	55434.15	156.0014	156.0014		1.70948	1.0667	NO	
34 13C-HpCB-189	405.843	0.500	48.39	48.39	0.69767	1190946.88	4854.2106	4854.2106	121.4	1.81929	1.0400	NO	
35 HpCB-189	393.803	0.500			1.23073					1.52956		NO	
36													
37 13C-PeCB-111	335.924	0.500	33.66	33.51	1.30475	1076290.03	2951.5978		73.8	3.58507	0.6403	NO	
38													
39 Function 3 PFK	380.976	1.000			0.00								
40 Function 4 PFK	380.976	1.000			0.00								

Quantity Sample Summary Report Maslynx 4.1

Dataset: C:\Masslynx\Default.pro\20NOC0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20NOC0910D5\_22, Date: 21-Nov-2009, Time: 10:20:04, ID: LNE0E-1-AA, Description: G9J280227-4, Task:

#	Name	Trace	Sample Size	RT	Pid	RT	RRF	M	Abt	Resp	pg	EMPC	%Rec	FIN	Ratio	Dist	Ratio	Ref	Mod	Date
1	13C-PeCB-101	335.924	0.500	31.91	31.75	1.000			847737.97	4000.0000	4000.0000	4000.0000	100.0	5.4019	0.631	0.610		NO		
2	13C-TeCB-81	301.963	0.500	33.79	33.80	1.040			880126.44	3993.7076	3993.7076	3993.7076	99.8	4.0628	0.804	0.770		NO		
4	TeCB-81	289.922	0.500		33.79	1.458								3.0743		0.770		NO		
5	13C-TeCB-77	301.963	0.500	34.46	34.49	1.104			971683.69	4151.7968	4151.7968	4151.7968	103.8	3.8257	0.788	0.770		NO		
6	TeCB-77	289.922	0.500	34.48	34.46	1.271			48429.21	156.9031	156.9031	156.9031		3.2916	0.739	0.770		NO		
7	13C-PeCB-123	335.924	0.500	36.13	36.17	0.993			1045862.84	4968.4421	4968.4421	4968.4421	124.2	5.4387	0.638	0.610		NO		
9	PeCB-123	323.883	0.500	35.97	36.13	1.505			51078.79	129.7710	129.7710	129.7710		2.8445	0.627	0.610		NO		
10	13C-PeCB-118	335.924	0.500	36.29	36.34	1.024			1095952.53	5049.6302	5049.6302	5049.6302	126.2	5.2750	0.634	0.610		NO		
11	PeCB-118/106	323.883	0.500	36.31	36.29	1.525			686820.34	1643.3870	1643.3870	1643.3870		2.6397	0.621	0.610		NO		
12	13C-PeCB-114	335.924	0.500	37.06	37.12	1.037			1072909.66	4882.2579	4882.2579	4882.2579	122.1	5.2097	0.627	0.610		NO		
13	PeCB-114	323.883	0.500		37.06	1.586								2.5881		0.610		NO		
14	13C-PeCB-105	335.924	0.500	38.12	38.20	0.982			1107164.75	5322.5095	5322.5095	5322.5095	133.1	5.5037	0.634	0.610		NO		
15	PeCB-105/127	323.883	0.500	38.14	38.12	1.433			226968.74	572.1207	572.1207	572.1207		2.7382	0.613	0.610		NO		
16	13C-PeCB-126	335.924	0.500	40.42	40.50	1.030			1267639.25	5807.1364	5807.1364	5807.1364	145.2	5.2447	0.628	0.610		NO		
17	PeCB-126	323.883	0.500		40.42	1.156								3.0636		0.610		NO		
19	13C-OcCB-202	439.804	0.500	43.20	43.16	1.000			1406643.56	4000.0000	4000.0000	4000.0000	100.0	1.2132	0.880	0.890		NO		
20	13C-HxCB-167	371.882	0.500	41.78	41.74	1.002			1120548.50	3178.6067	3178.6067	3178.6067	79.5	2.2973	1.271	1.240		NO		
22	HxCB-167	359.841	0.500	41.79	41.78	1.348			24608.85	65.6980	65.6980	65.6980		1.5791	0.982	1.240		YES		
23	13C-HxCB-156	371.882	0.500	43.34	43.32	0.785			1087222.25	3937.9207	3937.9207	3937.9207	98.4	2.9333	1.261	1.240		NO		
24	HxCB-156	359.841	0.500	43.36	43.34	1.688			34722.83	75.6625	75.6625	75.6625		1.3405	1.277	1.240		NO		
25	13C-HxCB-157	371.882	0.500	43.71	43.71	0.835			1107291.50	3769.7600	3769.7600	3769.7600	94.2	2.7572	1.244	1.240		NO		
26	HxCB-157	359.841	0.500	43.74	43.71	1.660			8291.31	18.0470	18.0470	18.0470		1.3481	1.202	1.240		NO		
27	13C-HxCB-169	371.882	0.500	45.94	45.93	0.871			954545.41	3115.4151	3115.4151	3115.4151	77.9	2.6432	1.275	1.240		NO		
28	HxCB-169	359.841	0.500		45.94	1.098								2.3645		1.240		NO		
29	13C-HpCB-180	405.843	0.500	44.50	44.50	0.684			1014600.47	4217.9121	4217.9121	4217.9121	105.4	1.8556	1.061	1.050		NO		
31	HpCB-180	393.803	0.500	44.52	44.50	1.300			286221.64	867.7741	867.7741	867.7741		1.8441	1.027	1.050		NO		
32	13C-HpCB-170	405.843	0.500	46.49	46.50	0.548			880104.09	4569.2175	4569.2175	4569.2175	114.2	2.3173	1.041	1.050		NO		
33	HpCB-170	393.803	0.500	46.52	46.49	1.615			55434.15	156.0014	156.0014	156.0014		1.7095	1.067	1.050		NO		
34	13C-HpCB-189	405.843	0.500	48.39	48.39	0.698			1190946.88	4854.2106	4854.2106	4854.2106	121.4	1.8193	1.040	1.050		NO		
35	HpCB-189	393.803	0.500		48.39	1.231								1.5296		1.050		NO		

Dataset: C:\MassLynx\Default\proj\20NO0910D51668MSLA.qtd

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time

Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20NO0910D5\_22, Date: 21-Nov-2009, Time: 10:20:04, ID: LNE0E-1-AA, Description: G9J280227-4, Task:

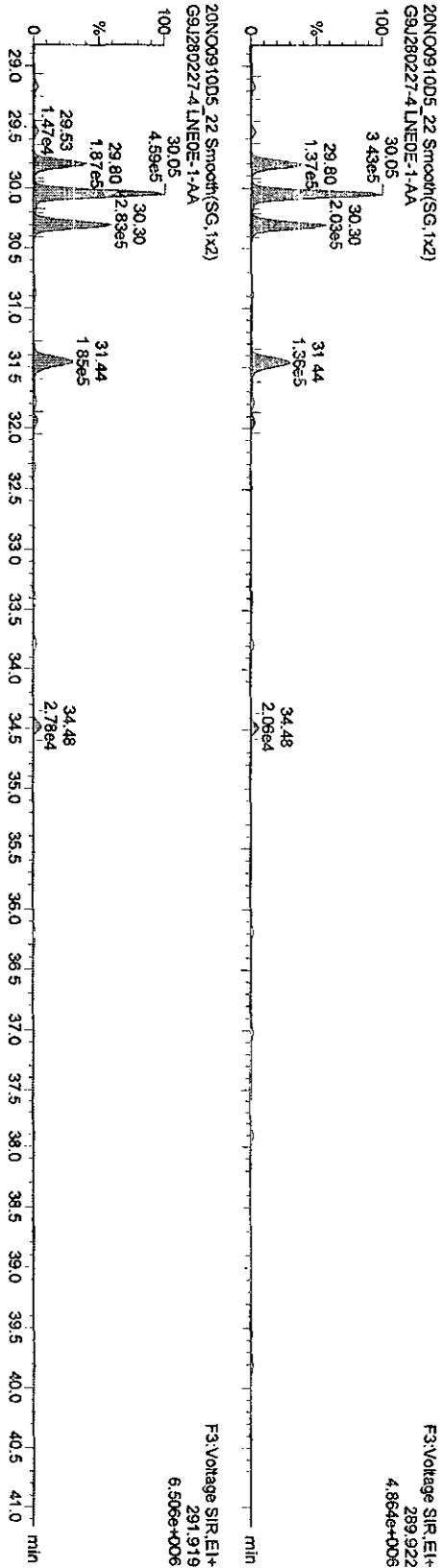
# Name	Trace	Sample Size	RT	Ptd RT	RF	M	Abs Resp	Int	EMPG	%Ref	ED	Ratio	Ptd Ratio	Ratio	Int	ED
36																
37	13C-PeCB-111	335.924	0.500	33.66	33.51	1.305	1076290.03	2951.5978		73.8	3.5851	0.640	0.610		NO	
38																
39	Function 3 PFK	380.976	1.000													
40	Function 4 PFK	380.976	1.000													

Dataset: C:\MassLynx\Default\pro\20NO0910D51668MSLA.qld

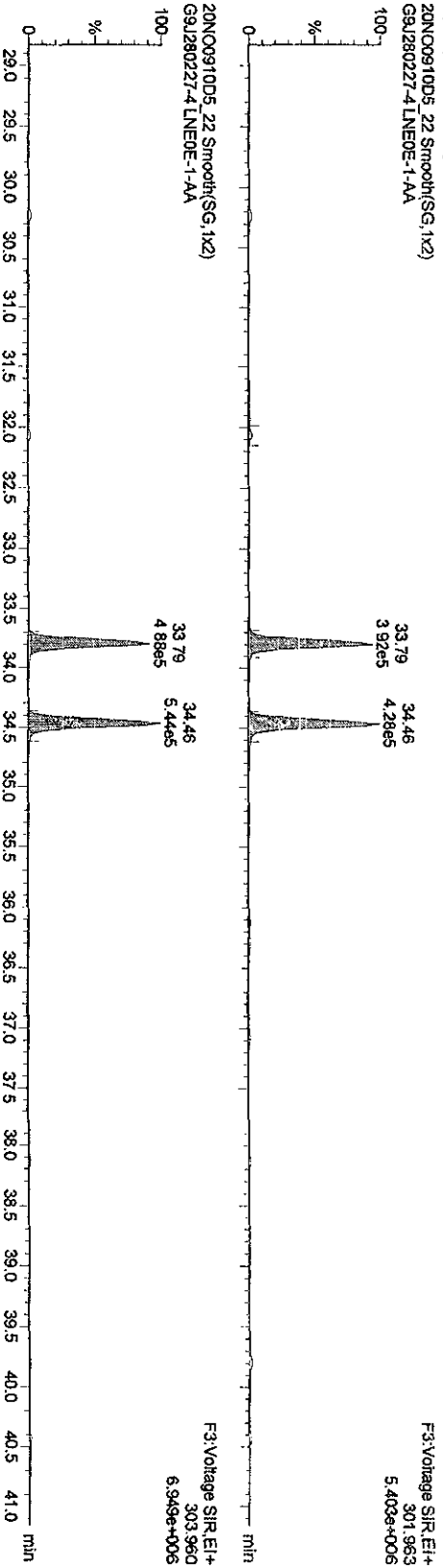
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NO0910D5\_22, Date: 21-Nov-2009, Time: 10:20:04, ID: LNEDE-1-AA, Description: G9J280227-4

**TetraPCBs**



**13C-TetrasPCBs**



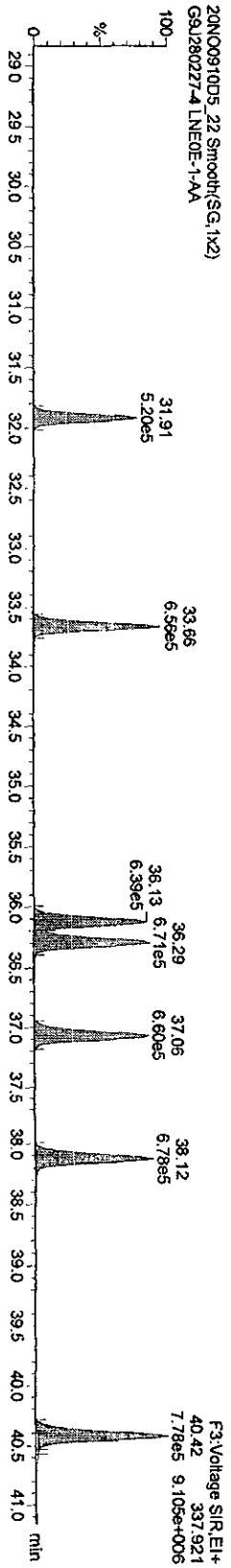
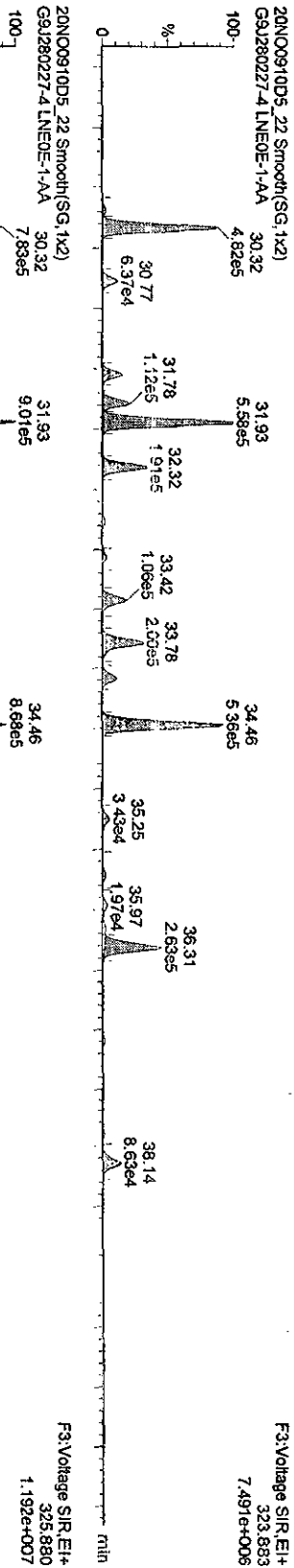


Dataset: C:\Masslynx\Default\pro\20N00910D5\1668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_22, Date: 21-Nov-2009, Time: 10:20:04, ID: LNEDE-1-AA, Description: G9J280227-4

PePCBs



Dataset: F:\20NO0910D51668MSLAsk.qld

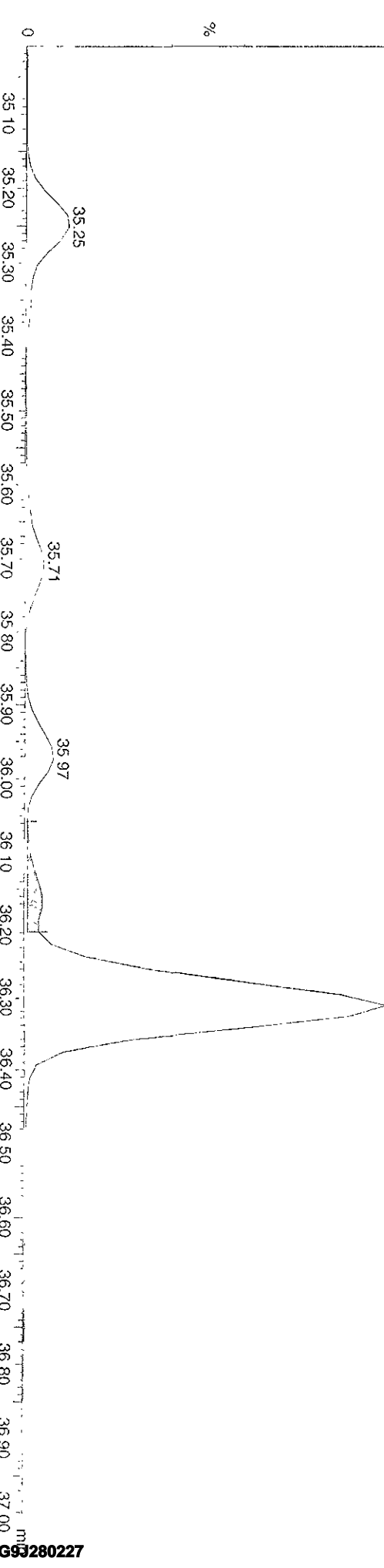
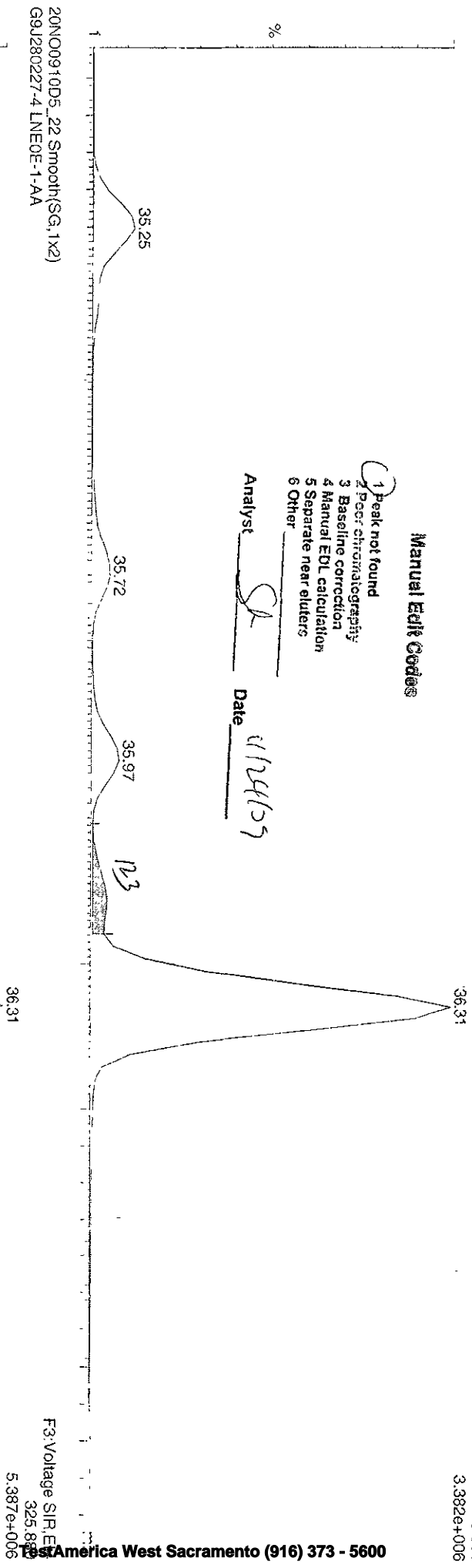
Last Altered: Tuesday, November 24, 2009 12:46:15 Pacific Standard Time  
Printed: Tuesday, November 24, 2009 12:48:05 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Method\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
Calibration: C:\MassLynx\Default.pro\Curved\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Sample Name: 20NO0910D5\_22

20NO0910D5\_22 Smooth(SG,1x2)  
G9J280227-4 LNEOE-1-AA

F3:Voltage SIR.EI+  
323.883  
3.382e+006

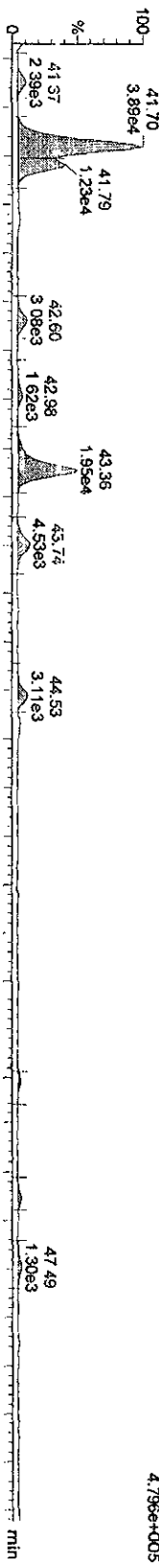


Dataset: C:\Masslynx\Default\pro\20N00910D5\1668MISLA.qtd

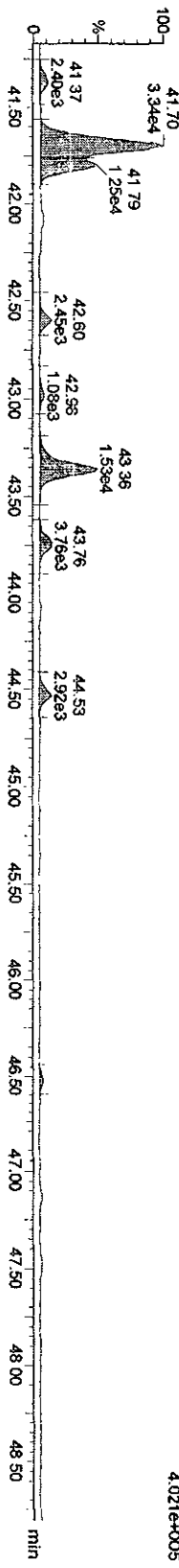
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_22, Date: 21-Nov-2009, Time: 10:20:04, ID: LNEDE-1-AA, Description: G9J280227-4

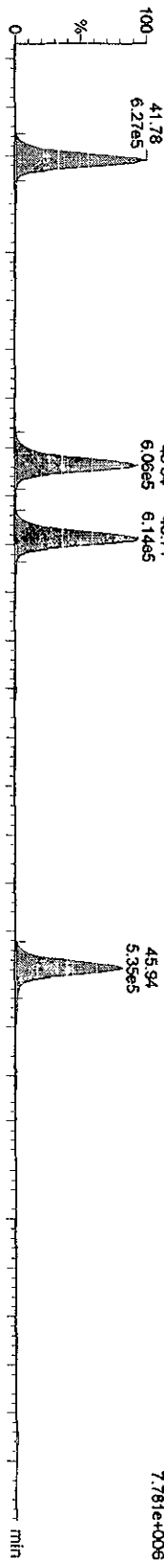
**HPCBs-**  
20N00910D5\_22 Smooth(SG,1x2)  
G9J280227-4 LNEDE-1-AA



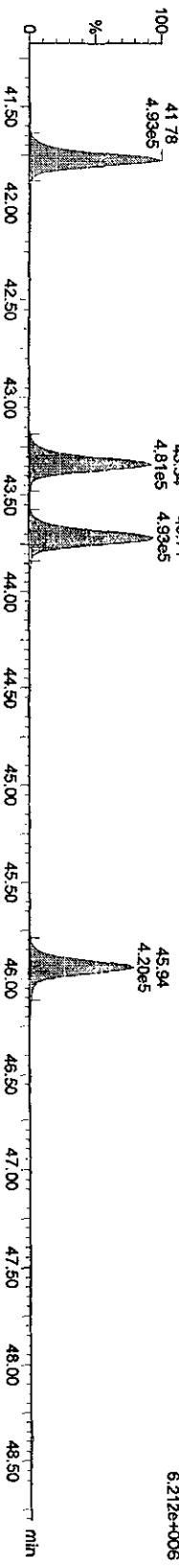
**13C-HPCBs**  
20N00910D5\_22 Smooth(SG,1x2)  
G9J280227-4 LNEDE-1-AA



**13C-HPCBs**  
20N00910D5\_22 Smooth(SG,1x2)  
G9J280227-4 LNEDE-1-AA



**13C-HPCBs**  
20N00910D5\_22 Smooth(SG,1x2)  
G9J280227-4 LNEDE-1-AA



Dataset: C:\MassLynx\Default\proj\20NO0910D51668MSLA.qld

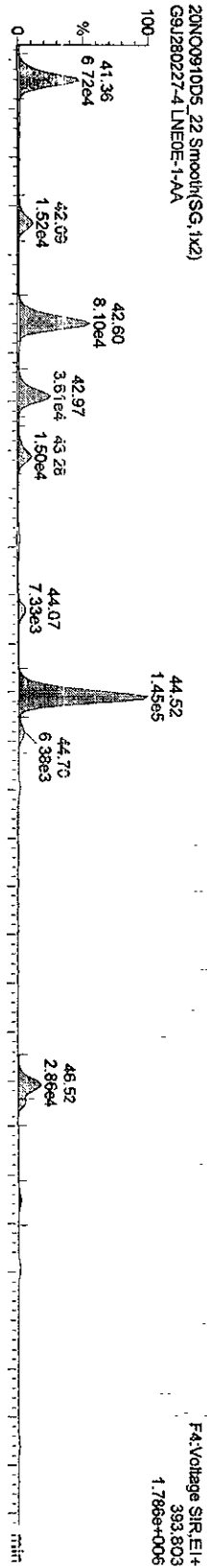
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time

Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

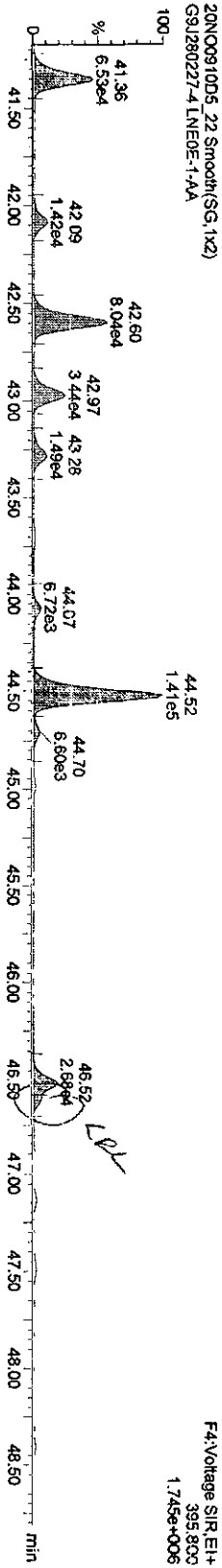
Name: 20NO0910D5\_22, Date: 21-Nov-2009, Time: 10:20:04, ID: LNE0E-1-AA, Description: G9J280227-4

HP PCBs

20NO0910D5\_22 Smooth(SG, 1x2)  
G9J280227-4 LNE0E-1-AA

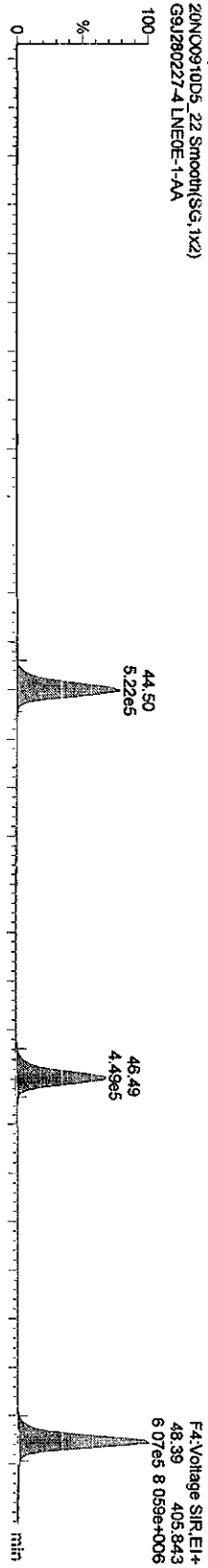


20NO0910D5\_22 Smooth(SG, 1x2)  
G9J280227-4 LNE0E-1-AA

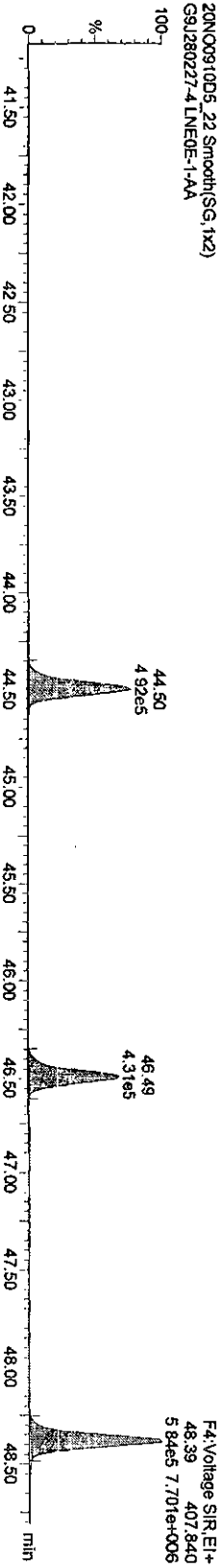


13C-HP PCBs

20NO0910D5\_22 Smooth(SG, 1x2)  
G9J280227-4 LNE0E-1-AA



20NO0910D5\_22 Smooth(SG, 1x2)  
G9J280227-4 LNE0E-1-AA



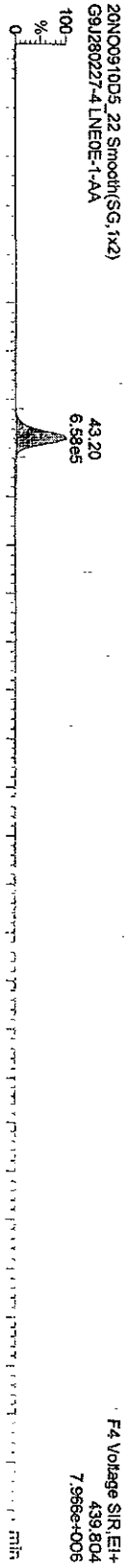
Dataset: C:\Masslynx\Default.pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time

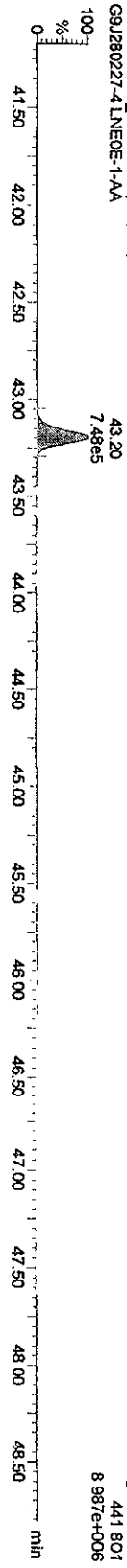
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NO0910D5\_22, Date: 21-Nov-2009, Time: 10:20:04, ID: LINE0E-1-AA, Description: G9J280227-4

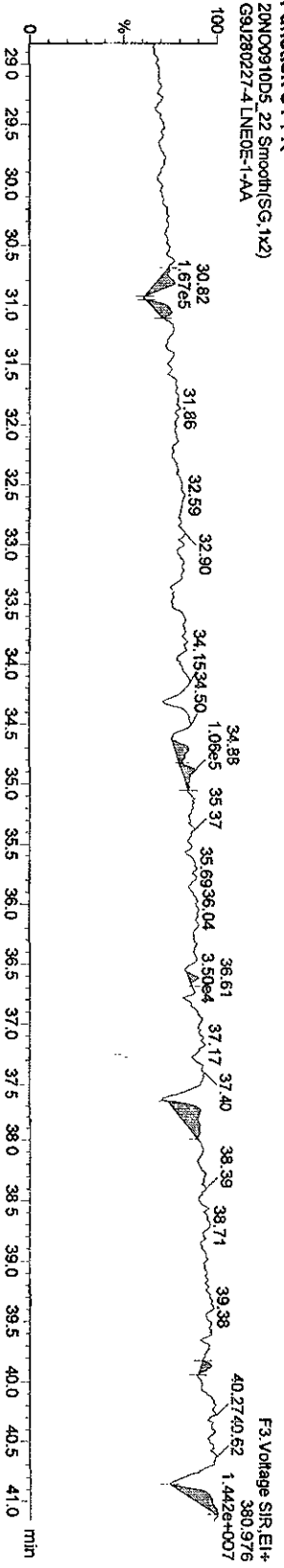
13C-OCcB-202



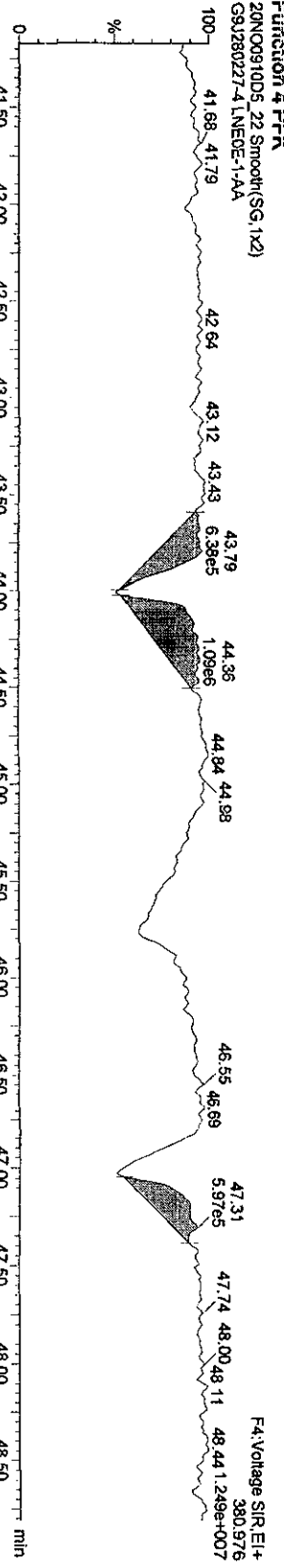
Function 3 PFK



Function 4 PFK



Function 4 PFK



Dataset: C:\MassLynx\Default.pro\20NOO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20NOO0910D5\_23, Date: 21-Nov-2009, Time: 11:16:53, ID: LNE0G-1-AA, Description: G9J280227-5, Task:

*Shu/24/05*

#	Name	Trace	Sample Size	RT	Pid	RT	RRF	M	Abs. Resp	pg	EMPG	%Rec	EDL	Ratio	Prg Ratio	Ratio	Mod Date
1	13C-PeCB-101	335.924	0.500	31.76	31.75	1.000			1657799.81	4000.0000	4000.0000	100.0	2.6101	0.640	0.610		NO
2	13C-TeCB-81	301.963	0.500	33.66	33.65	1.040			1188127.69	2756.9181	2756.9181	68.9	2.6602	0.797	0.770		NO
3	TeCB-81	289.922	0.500	33.66	33.66	1.458							1.2582	0.781	0.770		NO
4	13C-TeCB-77	301.963	0.500	34.35	34.34	1.104			1232402.44	2692.7329	2692.7329	67.3	2.5049	0.781	0.770		NO
5	TeCB-77	289.922	0.500	34.35	34.35	1.271							1.4313	0.770	0.770		NO
6	13C-PeCB-123	335.924	0.500	36.02	36.02	0.993			1377627.88	3346.6244	3346.6244	83.7	2.6279	0.624	0.610		NO
7	PeCB-123	323.883	0.500	35.86	36.02	1.505			617.18	1.1904	0.9418		0.9405	1.035	0.610		YES
8	13C-PeCB-118	335.924	0.500	36.19	36.19	1.024			1449026.50	3414.0801	3414.0801	85.4	2.5488	0.634	0.610		NO
9	PeCB-118	323.883	0.500	36.21	36.19	1.525			9801.96	17.7388	17.7388		0.8948	0.640	0.610		NO
10	13C-PeCB-114	335.924	0.500	36.98	36.97	1.037			1399850.81	3257.3833	3257.3833	81.4	2.5172	0.634	0.610		NO
11	PeCB-114	323.883	0.500	36.98	36.98	1.586							0.9191	0.610	0.610		NO
12	13C-PeCB-105	335.924	0.500	38.04	38.05	0.982			1395958.94	3431.6769	3431.6769	85.8	2.6593	0.633	0.610		NO
13	PeCB-105/127	323.883	0.500	38.05	38.04	1.433			3197.06	6.3916	6.3916		0.9930	0.646	0.610		NO
14	13C-PeCB-126	335.924	0.500	40.35	40.35	1.030			1552090.69	3635.9089	3635.9089	90.9	2.5341	0.633	0.610		NO
15	PeCB-126	323.883	0.500	40.35	40.35	1.156							1.1451	0.610	0.610		NO
16	13C-OcCB-202	439.804	0.500	43.14	43.16	1.000			1992269.88	4000.0000	4000.0000	100.0	0.8644	0.903	0.890		NO
17	13C-HxCB-167	371.882	0.500	41.71	41.68	1.002			1238131.50	2479.7551	2479.7551	62.0	2.0208	1.262	1.240		NO
18	HxCB-167	359.841	0.500	41.62	41.71	1.348			998.70	2.3936	1.8441		1.0059	1.907	1.240		YES
19	13C-HxCB-156	371.882	0.500	43.28	43.26	0.785			1224536.06	3131.5266	3131.5266	78.3	2.5803	1.272	1.240		NO
20	HxCB-156	359.841	0.500	43.28	43.28	1.688							0.8328	1.240	1.240		NO
21	13C-HxCB-157	371.882	0.500	43.67	43.65	0.835			1196744.63	2876.6638	2876.6638	71.9	2.4253	1.274	1.240		NO
22	HxCB-157	359.841	0.500	43.67	43.67	1.660							0.8795	1.240	1.240		NO
23	13C-HxCB-169	371.882	0.500	45.90	45.87	0.871			1202454.44	2770.9192	2770.9192	69.3	2.3251	1.267	1.240		NO
24	HxCB-169	359.841	0.500	45.90	45.90	1.098							1.3308	1.240	1.240		NO
25	13C-HpCB-180	405.843	0.500	44.46	44.44	0.684			1187197.56	3484.6676	3484.6676	87.1	1.4165	1.042	1.050		NO
26	HpCB-180	393.803	0.500	44.47	44.46	1.300			3549.45	9.1968	8.1330		1.3670	1.318	1.050		YES
27	13C-HpCB-170	405.843	0.500	46.45	46.44	0.548			1043457.06	3824.8840	3824.8840	95.6	1.7690	1.056	1.050		NO
28	HpCB-170	393.803	0.500	46.47	46.45	1.615			932.16	2.2126	2.2126		1.2829	0.907	1.050		NO
29	13C-HpCB-189	405.843	0.500	48.34	48.33	0.698			1371627.19	3947.2825	3947.2825	98.7	1.3888	1.026	1.050		NO
30	HpCB-189	393.803	0.500	48.34	48.34	1.231							1.1903	1.050	1.050		NO

*LPL*

Dataset: C:\MassLynx\Default1\prot\20N00910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:30:30 PM Pacific Standard Time

Name: 20N00910D5\_23, Date: 21-Nov-2009, Time: 11:16:53, ID: LNE0G-1-AA, Description: G9J280227-5, Task:

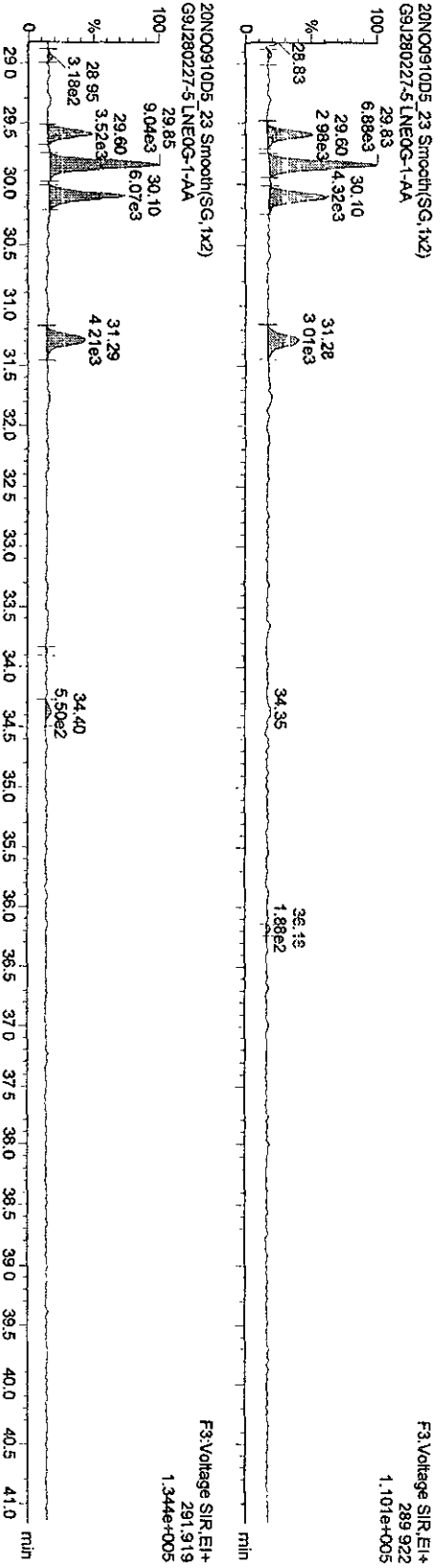
# Name	Trace	Sample Size	RT	Prod RT	RRF	M	Abs Resp.	pg	EMPO	%Rec	EDI	Ratio	Prod Ratio	Ratio	Mod Date
36															
37	13C-PeCB-111	335.924	0.500	33.53	33.51	1.305	1483576.00	3169.6982		79.2	2.4695	0.632	0.610		NO
38															
39	Function 3 PFK	380.976	1.000												
40	Function 4 PFK	380.976	1.000												

Dataset: C:\Masslynx\Default\proj\20N00910D51668MSLA.qld

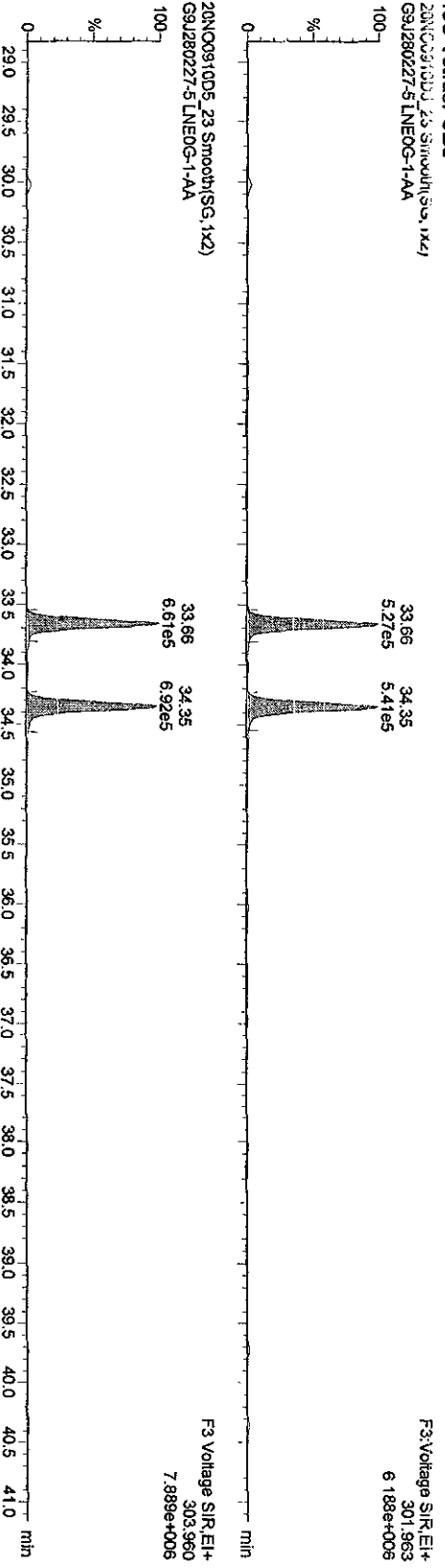
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_23, Date: 21-Nov-2009, Time: 11:16:53, ID: LNEOG-1-AA, Description: G9J280227-5

**TetraPCBs**



**13C-TetrasPCBs**



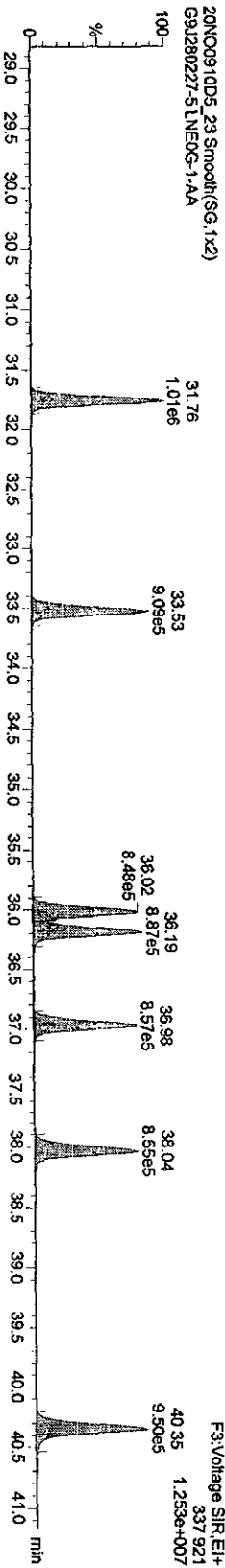
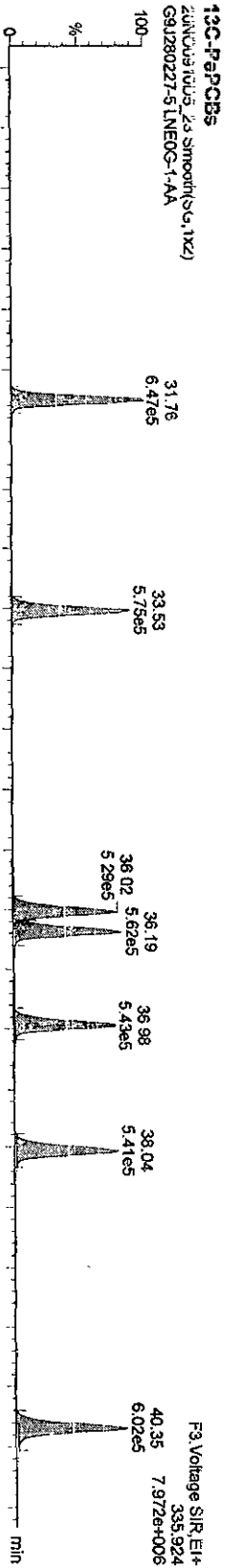
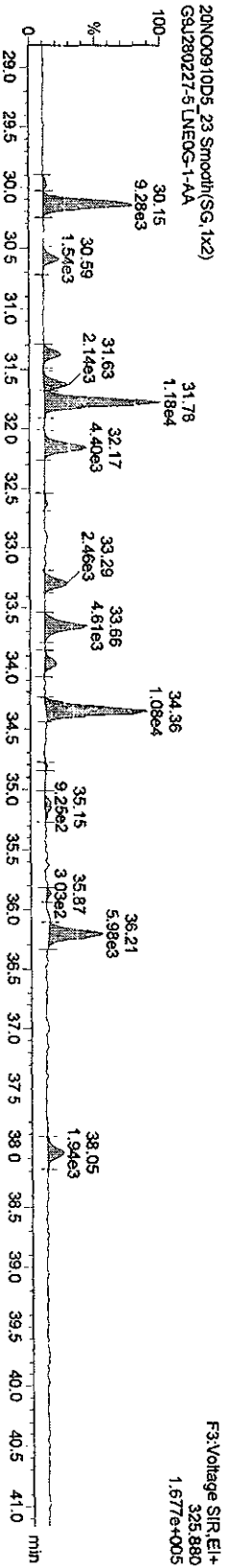
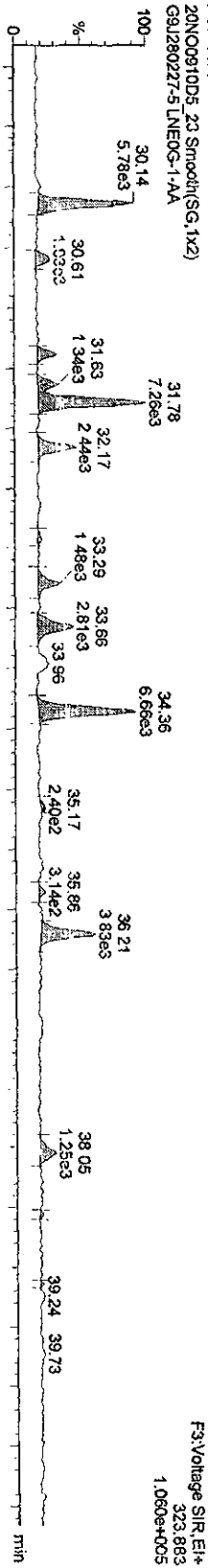


Dataset: C:\Masslynx\Default\pro\20N00910D5\1668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_23, Date: 21-Nov-2009, Time: 11:16:53, ID: LNE0G-1-AA, Description: G9J280227-5

**PaPCBs**

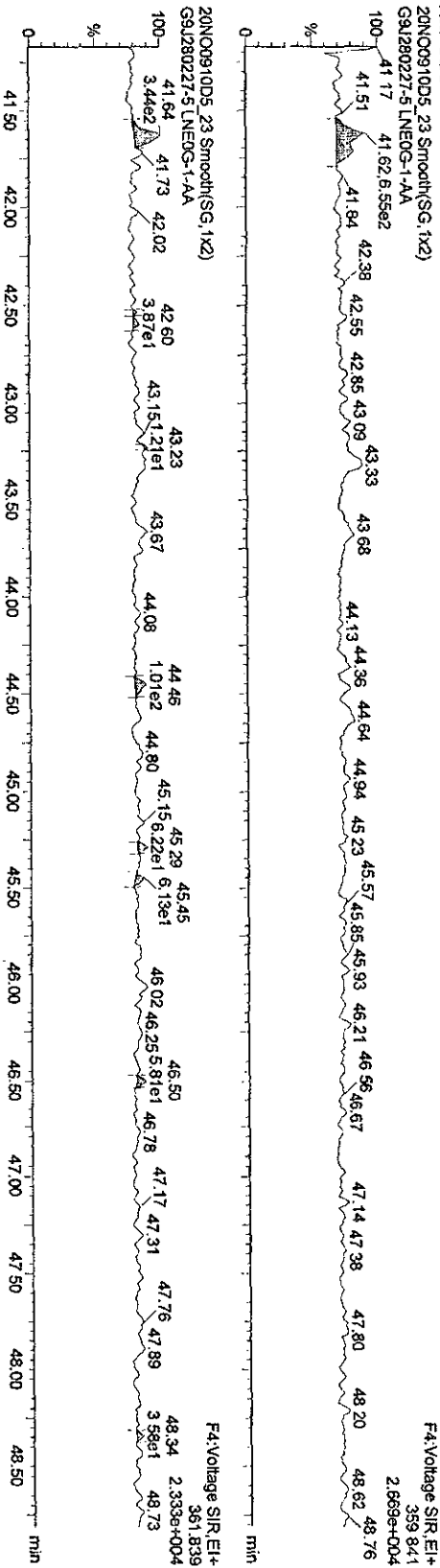


Dataset: C:\Masslynx\Default\proj\20N00910D51668MSLA.qld

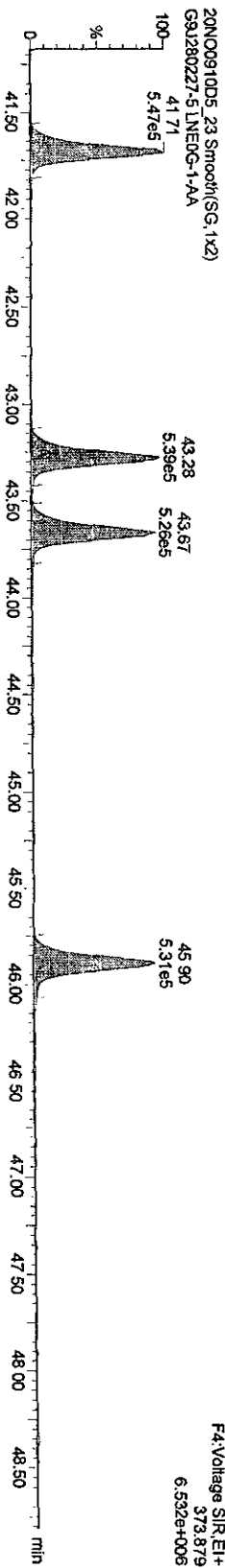
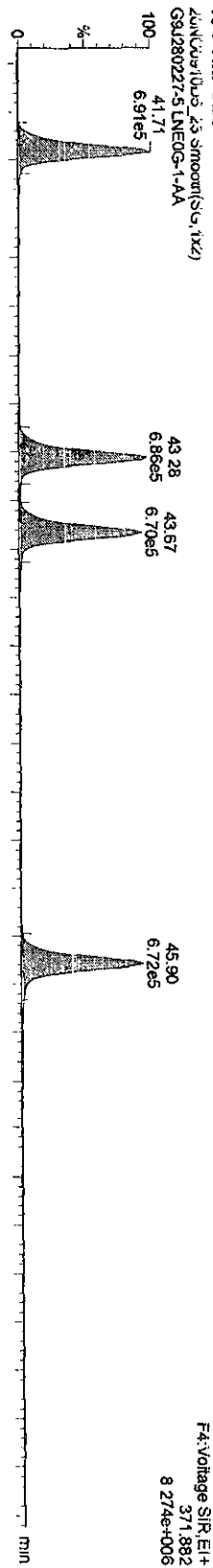
Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_23, Date: 21-Nov-2009, Time: 11:16:53, ID: LNEG-1-AA, Description: G9J280227-5

HxPCBs-



13C-HxPCBs

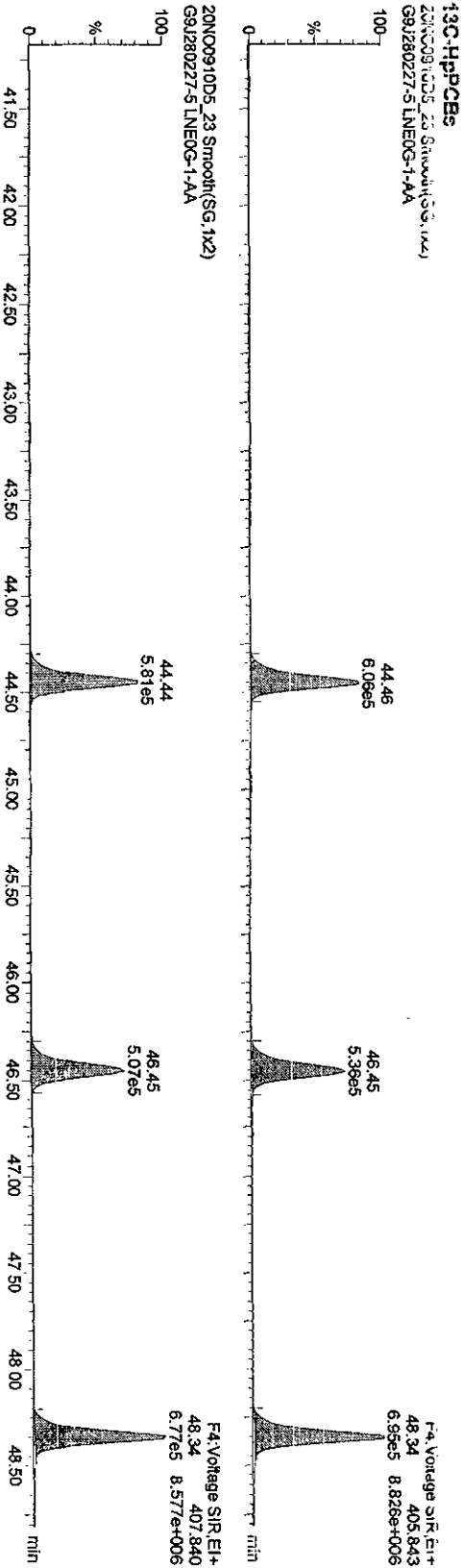
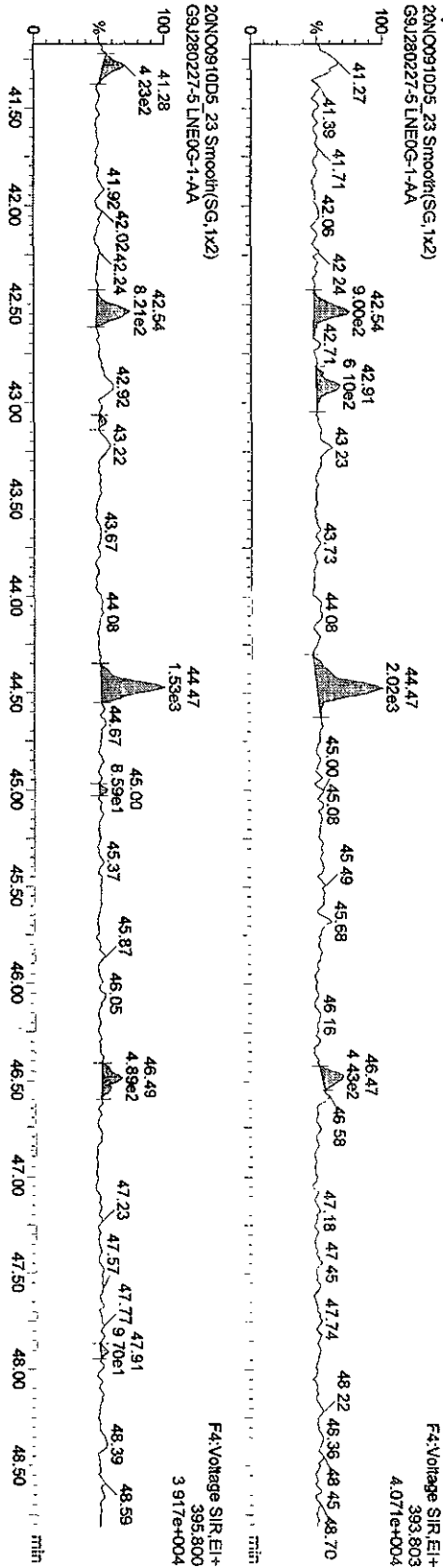


Dataset: C:\MassLynx\Default.pro\20NOC0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
 Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NOC0910D5\_23, Date: 21-Nov-2009, Time: 11:16:53, ID: LNE0G-1-AA, Description: G9J280227-5

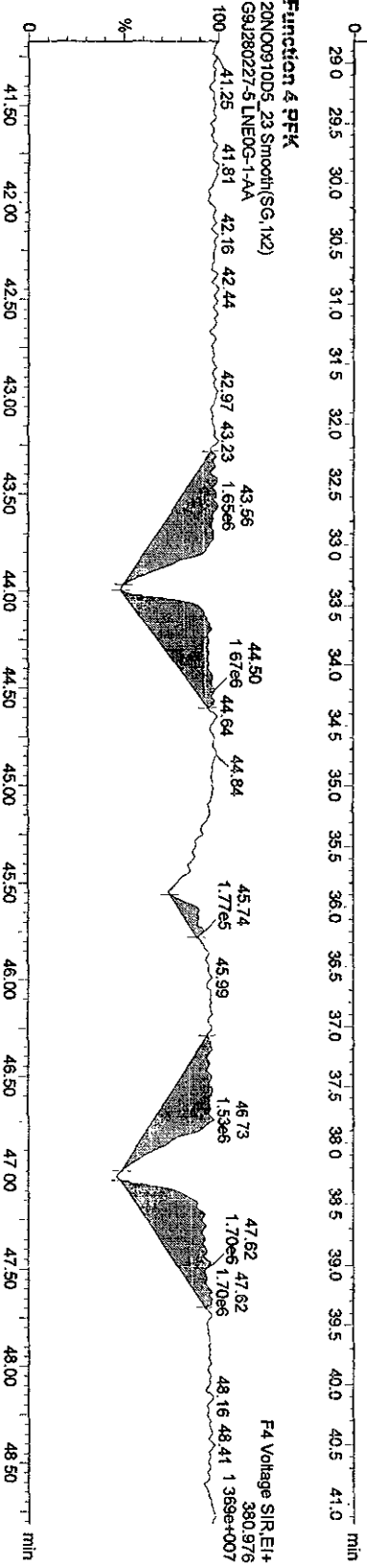
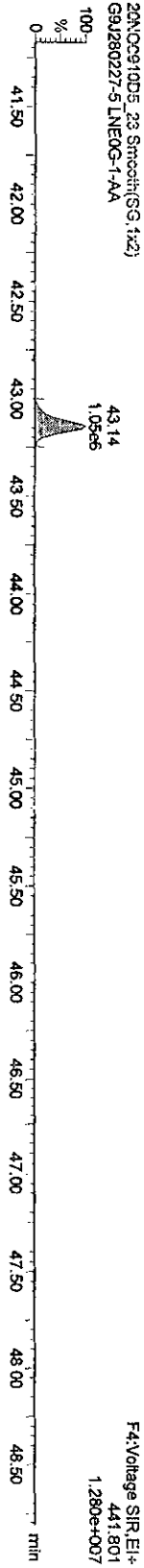
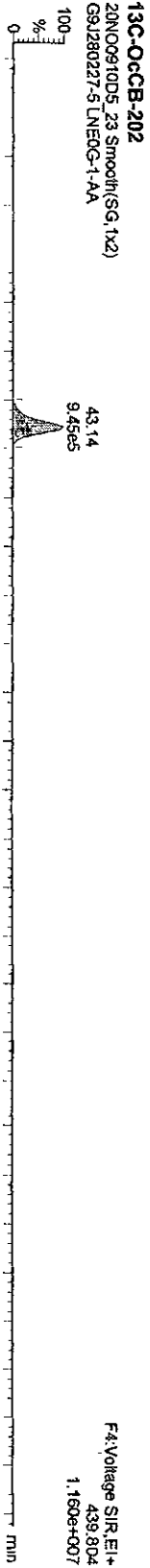
HPPCBs



Dataset: C:\MassLynx\Default\pro\20NO0910D5\1668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NO0910D5\_23, Date: 21-Nov-2009, Time: 11:16:53, ID: LNE0G-1-AA, Description: G9J280227-5



Method ID 1668M

Associated ICAL JCA071620291668MSL

Column ID DB-5

Instrument ID 10.D5

STD ID ST1120A

STD Solution 09DXN207

Analyzed by S.M.A

Date Analyzed 11-20-09

Std. Pkg. By S.M.A

Date Std. Pkg. Assembled 11-23-09

Std. Pkg. Reviewed By M.G.

Date Std. Pkg. Reviewed 11/23/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley $\leq$ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Method 1668A (PCBs):  $\pm 30\%$  from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and  $\pm 50\%$  for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the  $\pm 30\%$  limit; this may require review for impact on data, but may not necessitate re-calibration) Natives in different functions from their IS have  $\pm 40\%$  limit.  
 Method 1614 (DBDs/DBFs):  $\pm 30\%$  from curve RRFs for native analytes and  $\pm 50\%$  from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is  $\pm 30\%$ ).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
 Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71)

Dataset: C:\MassLynx\Default.pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time

Printed: Monday, November 23, 2009 12:30:03 PM Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42

Calibration: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 20NO0910D5\_15, Date: 21-Nov-2009, Time: 03:42:10, ID: ST1120A, Description: CS-3 09DXN207

#	Name	Response	RT	Pred.R	RRF.M	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D
1	13C-PeCB-101	2717776	31.76	31.75	1.00000	1.00000	100.00	0.0	100.0	0.621	NO	
2												
3	13C-TeCB-81	2634731	33.66	33.65	1.03984	0.96944	93.23	-6.8	93.2	0.759	NO	
4	TeCB-81	1823078	33.68	33.63	1.45839	1.38388	47.45	-5.1	94.9	0.729	NO	
5	13C-TeCB-77	2777546	34.35	34.34	1.10430	1.02199	92.55	-7.5	92.5	0.785	NO	
6	TeCB-77	1642354	34.38	34.35	1.27061	1.18259	46.54	-6.9	93.1	0.744	NO	
7												
8	13C-PeCB-123	2812606	36.02	36.02	0.99324	1.03489	104.19	4.2	104.2	0.630	NO	
9	PeCB-123	2289236	36.04	36.02	1.50539	1.62784	54.07	8.1	108.1	0.619	NO	
10	13C-PeCB-118	2929725	36.19	36.19	1.02407	1.07799	105.26	5.3	105.3	0.632	NO	
11	PeCB-118/106	2363433	36.21	36.19	1.52536	1.61342	52.89	5.8	105.8	0.611	NO	
12	13C-PeCB-114	3082273	36.98	36.97	1.03691	1.13412	109.37	9.4	109.4	0.628	NO	
13	PeCB-114	2570409	37.00	36.93	1.58603	1.66787	52.58	5.2	105.2	0.604	NO	
14	13C PeCB-105	2870712	38.04	38.05	0.98151	1.05627	107.62	7.6	107.6	0.630	NO	
15	PeCB-105/127	2109394	38.07	38.04	1.43326	1.46960	51.27	2.5	102.5	0.607	NO	
16	13C-PeCB-126	3034758	40.35	40.35	1.02999	1.11663	108.41	8.4	108.4	0.621	NO	
17	PeCB-126	1794399	40.37	40.35	1.15582	1.18256	51.16	2.3	102.3	0.619	NO	
18												
19	13C-OcCB-202	3338839	43.14	43.13	1.00000	1.00000	100.00	0.0	100.0	0.893	NO	
20												
21	13C-HxCB-167	2911013	41.71	41.63	1.00247	0.87186	86.97	-13.0	87.0	1.258	NO	
22	HxCB-167	1848962	41.73	41.71	1.34796	1.27032	47.12	-5.8	94.2	1.204	NO	
23	13C-HxCB-156	2300708	43.28	43.23	0.78510	0.68907	87.77	-12.2	87.8	1.278	NO	
24	HxCB-156	1788132	43.31	43.23	1.68840	1.55442	46.03	-7.9	92.1	1.210	NO	
25	13C-HxCB-157	2474402	43.67	43.65	0.83526	0.74110	88.73	-11.3	88.7	1.254	NO	
26	HxCB-157	1875296	43.68	43.67	1.65965	1.51576	45.66	-8.7	91.3	1.197	NO	
27	13C-HxCB-169	2612320	45.88	45.87	0.87128	0.78240	89.80	-10.2	89.8	1.270	NO	
28	HxCB-169	1308540	45.91	45.83	1.09832	1.00182	45.61	-8.8	91.2	1.212	NO	
29												
30	13C-HpCB-180	2424527	44.44	44.44	0.68403	0.72616	106.16	6.2	106.2	1.049	NO	
31	HpCB-180	1526788	44.47	44.44	1.30035	1.25945	48.43	-3.1	96.9	1.016	NO	
32	13C-HpCB-170	1957267	46.45	46.44	0.54773	0.58621	107.03	7.0	107.0	1.040	NO	
33	HpCB-170	1563042	46.47	46.45	1.61501	1.59717	49.45	-1.1	98.9	1.040	NO	
34	13C-HpCB-189	2555577	48.34	48.33	0.69767	0.76541	109.71	9.7	109.7	1.038	NO	
35	HpCB-189	1524099	48.36	48.34	1.23073	1.19276	48.46	-3.1	96.9	1.046	NO	
36												
37	13C-PeCB-111	3819501	33.52	33.51	1.30475	1.29650	99.37	-0.6	99.4	0.627	NO	
38												
39	Function 3 PFK			0.0)								
40	Function 4 PFK			0.0)								

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sample.db\20NO0910D5.SPL  
 Last Modified: Friday, November 20, 2009 18:23:06 Pacific Standard Time  
 Printed: Friday, November 20, 2009 18:29:29 Pacific Standard Time

Page 1 of 6

Page Position (1, 1)

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1	20NO0910D5_1	CS-3 09DXN207	ST1120	---	0.000000	---	---
2	20NO0910D5_2	Solvent Blank C-12	S31120	---	0.000000	---	---
3	20NO0910D5_3	G9K180457-1MB	LPRAG-1-AA	1668/Waste	34	0.100000	g 20
4	20NO0910D5_4	F9J150254-2MB RI	LNJ19-1-AA	1668/Solid	17	10.000000	g 20
5	20NO0910D5_5	G9K180457-1LCS	LPRAG-1-AC	1668/Waste	34	0.100000	g 20
6	20NO0910D5_6	G9K180457-1	LNJ8-1-AC	1668/Waste	---	0.103000	g 20
7	20NO0910D5_7	G9K170516-1 3X	LNJ9-1-AC	1668/Waste	---	0.103000	g 20
8	20NO0910D5_8	F9J220222-10S	LM35W-1-AH	1668/Solid	123	10.300000	g 20
9	20NO0910D5_9	F9J220222-10D	LM35W-1-AJ	1668/Solid	---	10.400000	g 20
10	20NO0910D5_10	F9J300127-1	LNJPD-1-AC	1668/Solid	17	10.490000	g 20
11	20NO0910D5_11	F9J300127-2	LNJPG-1-AC	1668/Solid	---	10.130000	g 20
12	20NO0910D5_12	F9J220191-1 10x	LM3QE-1-AC	1668/Water	10	1.038900	L 10
13	20NO0910D5_13	F9J300125-1 (10x)	LNJNR-1-AC	1668/Water	19	1.037800	L 10
14	20NO0910D5_14	Solvent Blank C-12	SB1120A	---	1.000000	---	---
15	20NO0910D5_15	CS-3 09DXN207	ST1120A	---	0.000000	---	---
16	20NO0910D5_16	Solvent Blank C-12	SB1120B	---	1.000000	---	---
17	20NO0910D5_17	G9J280227-1MB	LNJW3-1-AA	1668/Air	11	0.500000	Sample 20
18	20NO0910D5_18	G9J280227-1LCS	LNJW3-1-AC	1668/Air	---	0.500000	Sample 20
19	20NO0910D5_19	G9J280227-1	LNEXF-1-AA	1668/Air	---	0.500000	Sample 20
20	20NO0910D5_20	G9J280227-2	LNEX1-1-AA	1668/Air	---	0.500000	Sample 20
21	20NO0910D5_21	G9J280227-3	LNEX9-1-AA	1668/Air	---	0.500000	Sample 20
22	20NO0910D5_22	G9J280227-4	LINE0E-1-AA	1668/Air	---	0.500000	Sample 20
23	20NO0910D5_23	G9J280227-5	LINE0G-1-AA	1668/Air	---	0.500000	Sample 20
24	20NO0910D5_24	F9J300127-3	LNJPJ-1-AC	1668/Solid	17	10.425000	g 20
25	20NO0910D5_25	F9J300127-4	LNJPL-1-AC	1668/Solid	---	10.275000	g 20
26	20NO0910D5_26	F9J300127-5	LNJPM-1-AC	1668/Solid	---	10.245000	g 20
27	20NO0910D5_27	F9J300127-5MS	LNJPM-1-AG	1668/Solid	---	10.355000	g 20
28	20NO0910D5_28	Solvent Blank C-12	SB1120C	---	1.000000	---	---
29	20NO0910D5_29	CS-3 09DXN207	ST11120B	---	1.000000	---	---
30	20NO0910D5_30	Solvent Blank C-12	SB11120D	---	1.000000	---	---
31	20NO0910D5_31	F9J300127-5SD	LNJPM-1-AH	1668/Solid	17	10.095000	g 20
32	20NO0910D5_32	F9J290189-1	LNJX6-1-AA	1668/Solid	17	10.345000	g 20
33	20NO0910D5_33	F9J290189-2	LNJG0J-1-AA	1668/Solid	---	10.000000	g 20
34	20NO0910D5_34	F9J290189-3	LNJG0K-1-AA	1668/Solid	---	10.030000	g 20
35	20NO0910D5_35	F9J290189-4	LNJG0N-1-AA	1668/Solid	---	10.320000	g 20
36	20NO0910D5_36	F9J290189-5	LNJG0R-1-AA	1668/Solid	---	10.135000	g 20
37	20NO0910D5_37	F9J290189-6	LNJG0V-1-AA	1668/Solid	---	10.045000	g 20
38	20NO0910D5_38	F9J290189-7	LNJG00-1-AA	1668/Solid	---	10.115000	g 20
39	20NO0910D5_39	F9J240134-1	LNJ8VR-1-AC	1668/Solid	14	10.150000	g 20
40	20NO0910D5_40	F9J240134-2	LNJ8VV-1-AC	1668/Solid	---	10.065000	g 20
41	20NO0910D5_41	F9J240134-3	LNJ8VW-1-AC	1668/Solid	---	10.065000	g 20
42	20NO0910D5_42	Solvent Blank C-12	SB1120E	---	1.000000	---	---
43	20NO0910D5_43	CS-3 09DXN207	ST1120C	---	0.000000	---	---
44	20NO0910D5_44	Solvent Blank C-12	SB1120F	---	1.000000	---	---
45	20NO0910D5_45	F9J240134-1MB	LNJR76-1-AA	1668/Solid	14	10.000000	g 20
46	20NO0910D5_46	F9J240134-1LCS	LNJR76-1-AC	1668/Solid	---	10.000000	g 20
47	20NO0910D5_47	F9J240134-4	LNJ8VX-1-AC	1668/Solid	---	10.040000	g 20
48	20NO0910D5_48	F9J240134-5	LNJ8V0-1-AC	1668/Solid	---	10.060000	g 20
49	20NO0910D5_49	F9J240134-6	LNJ8V1-1-AC	1668/Solid	---	10.045000	g 20
50	20NO0910D5_50	F9J270130-1	LNCA6-1-AC	1668/Solid	14	10.110000	g 20
51	20NO0910D5_51	F9J270130-2	LNCCCH-1-AC	1668/Solid	---	10.100000	g 20
52	20NO0910D5_52	F9J270130-3	LNCCJ-1-AC	1668/Solid	---	10.115000	g 20
53	20NO0910D5_53	F9J270130-4	LNCCN-1-AC	1668/Solid	---	10.130000	g 20
54	20NO0910D5_54	F9J270130-5	LNCCQ-1-AC	1668/Solid	---	10.040000	g 20
55	20NO0910D5_55	Solvent Blank C-12	SB1120G	---	1.000000	---	---
56	20NO0910D5_56	CS-3 09DXN207	ST1120D	---	0.000000	---	---
57	20NO0910D5_57	Solvent Blank C-12	SB1120H	---	1.000000	---	---
58	20NO0910D5_58	F9J270130-5S	LNCCQ-1-AG	1668/Solid	---	10.070000	g 20

*Log file vid  
11-22-09  
125*

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sample.db\20NO0910D5.SPL  
 Last Modified: Friday, November 20, 2009 18:21:06 Pacific Standard Time  
 Printed: Friday, November 20, 2009 18:21:29 Pacific Standard Time

Page 2 of 6

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:2	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:3	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:4	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:5	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:6	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:7	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:8	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:10	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:11	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:16	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:24	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:25	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:26	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:27	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:28	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:29	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:30	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:31	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:32	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:33	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:34	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:35	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:36	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:37	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:38	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:39	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:40	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:41	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:42	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:43	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:44	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:45	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:46	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:47	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:48	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:49	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:50	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:51	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:52	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:53	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:54	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:55	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:56	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:57	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:58	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000



Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pr\Sample.d\20NO0910D5.SPL  
Last Modified: Friday, November 20, 2009 18:28:06 Pacific Standard Time  
Printed: Friday, November 20, 2009 18:29:29 Pacific Standard Time

Page 3 of 6

Page Position (3, 1)

Conc E Conc F Conc G Conc H

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Sample List: C:\MassLynx\Default.pro\SampleJb\20NO0910D5.SPL  
Last Modified: Friday, November 20, 2009 18:20:06 Pacific Standard Time  
Printed: Friday, November 20, 2009 18:20:29 Pacific Standard Time

	File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
59	20NO0910D5_59	F9J270130-5D	LNCCQ-1-AH	1668/Solid	---	10.090000	g	20
60	20NO0910D5_60	F9J270130-6	LNCCR-1-AC	1668/Solid	---	10.040000	g	20
61	20NO0910D5_61	F9J270130-7	LNCCV-1-AC	1668/Solid	---	10.085000	g	20
62	20NO0910D5_62	F9J280195-1	LNEH1-1-AC	1668/Solid	---	10.085000	g	20
63	20NO0910D5_63	F9J280195-2	LNEH7-1-AC	1668/Solid	---	10.110000	g	20
64	20NO0910D5_64	F9J280195-3	LNEH8-1-AC	1668/Solid	---	10.040000	g	20
65	20NO0910D5_65	F9J280195-4	LNEJA-1-AC	1668/Solid	---	10.045000	g	20
66	20NO0910D5_66	F9J280195-5	LNEJE-1-AC	1668/Solid	---	10.015000	g	20
67	20NO0910D5_67	F9J280195-6	LNEJG-1-AC	1668/Solid	---	10.030000	g	20
68	20NO0910D5_68	Solvent Blank C-12	S'31120f	---	---	1.000000	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sample Db\20NO0910D5.SPL  
Last Modified: Friday, November 20, 2009 18:28:05 Pacific Standard Time  
Printed: Friday, November 20, 2009 18:29:29 Pacific Standard Time

Page 5 of 6

Page Position (2, 2)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:59	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:60	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:61	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:62	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:63	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:64	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:65	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:66	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:67	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:68	1.000000	Analyte	SMA 11-20-09	1668M10D5	1668M10D5	---	---	2000	2000

Sample List Report

MassLynx 4.1

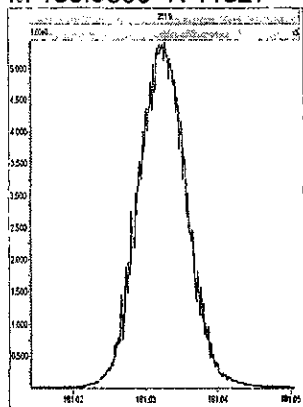
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Last Modified: Friday, November 20, 2009 18:24:06 Pacific Standard Time  
Printed: Friday, November 20, 2009 18:24:29 Pacific Standard Time

Conc E	Conc F	Conc G	Conc H
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2000	---	---	---
2000	---	---	---
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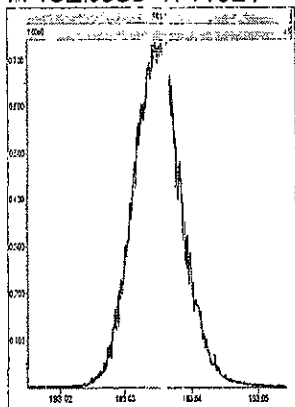
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Printed: Friday, November 20, 2009 14:19:53 Pacific Standard Time

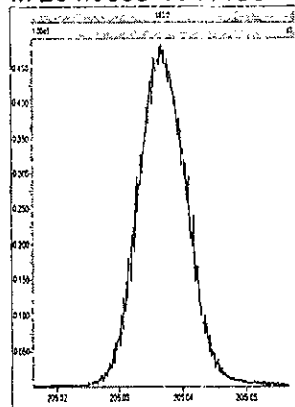
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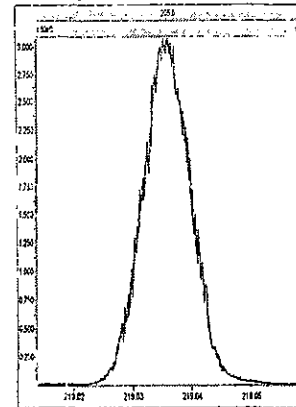
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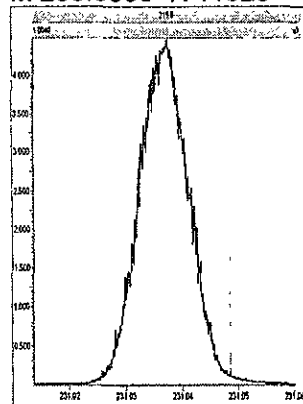
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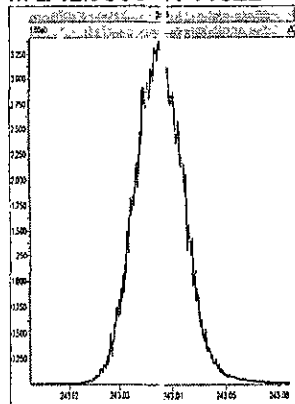
M 218.9856 R 11848



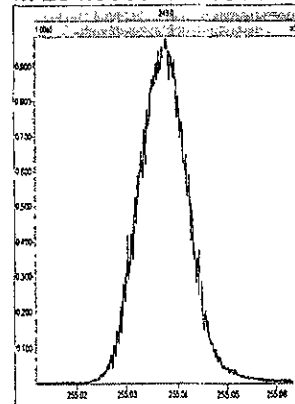
M 230.9856 R 11628



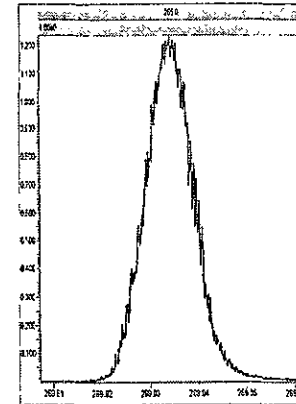
M 242.9856 R 11522



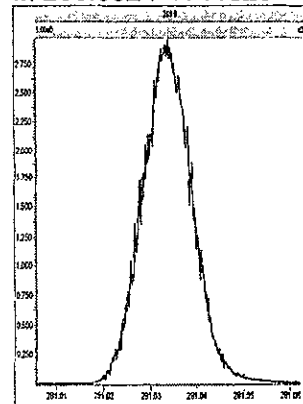
M 254.9856 R 11573



M 268.9824 R 11468



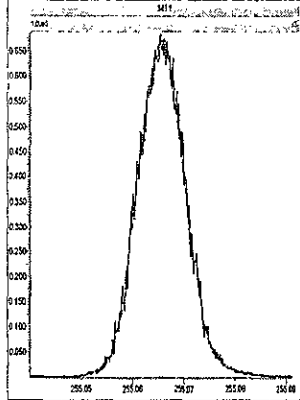
M 280.9824 R 11525



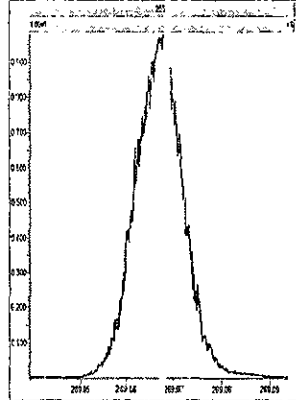
File: Experiment: 1668M10Df.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, November 20, 2009 14:21:02 Pacific Standard Time

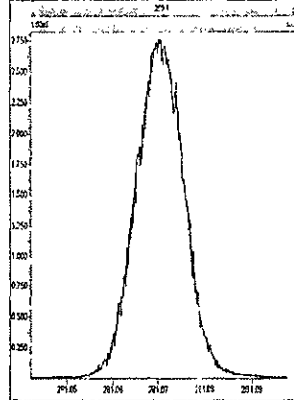
M 254.9856 R 11682



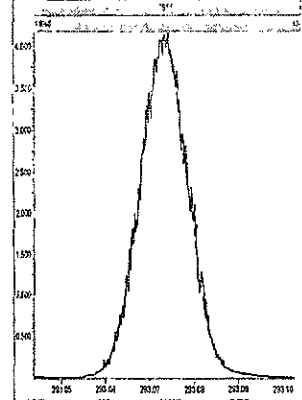
M 268.9824 R 11794



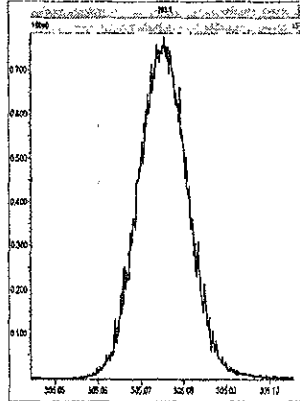
M 280.9824 R 12019



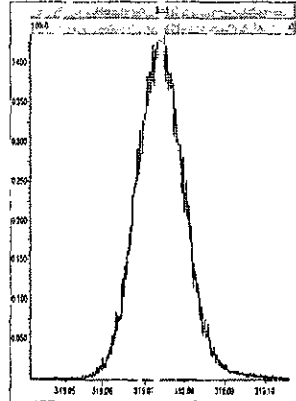
M 292.9824 R 11518



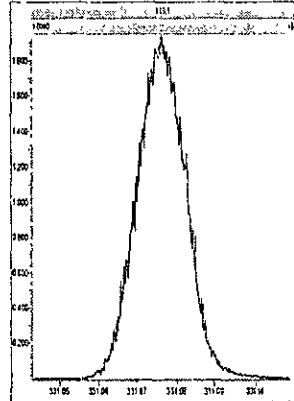
M 304.9824 R 11257



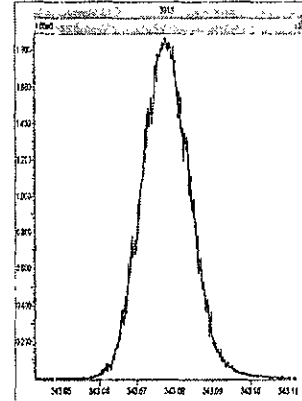
M 318.9792 R 11737



M 330.9792 R 11259



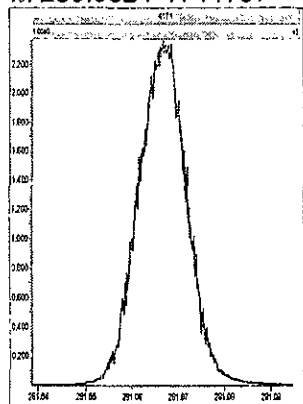
M 342.9792 R 11733



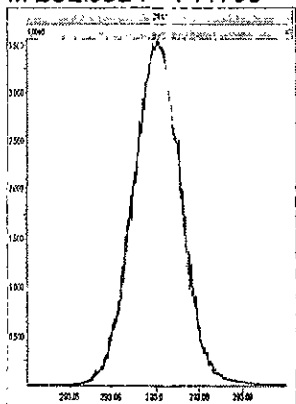
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, November 20, 2009 14:22:22 Pacific Standard Time

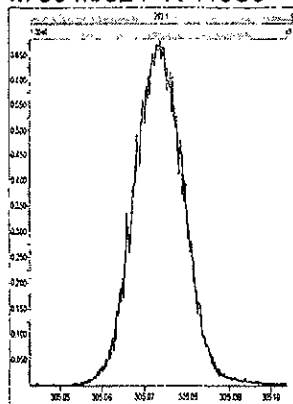
M 280.9824 R 11737



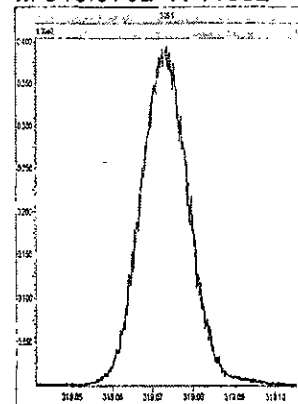
M 292.9824 R 11790



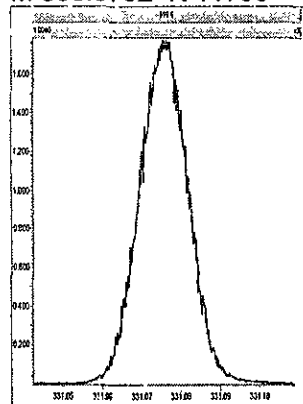
M 304.9824 R 11365



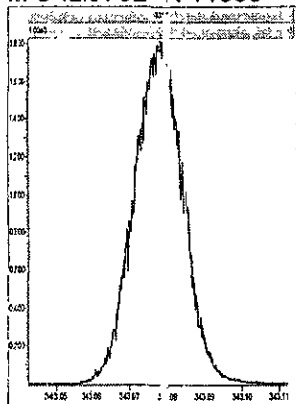
M 318.9792 R 11682



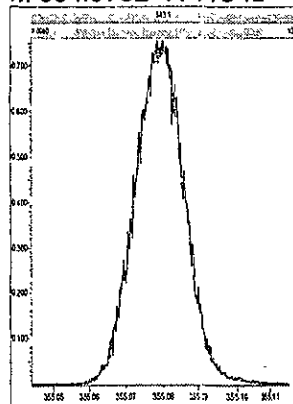
M 330.9792 R 11796



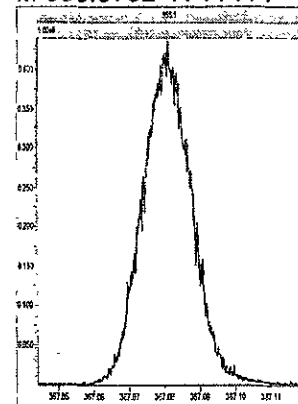
M 342.9792 R 11365



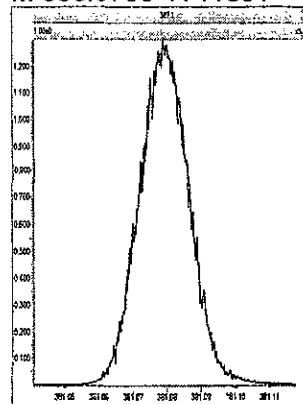
M 354.9792 R 11312



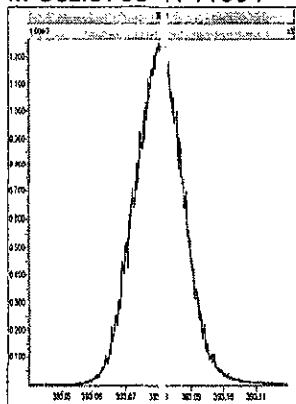
M 366.9792 R 11414



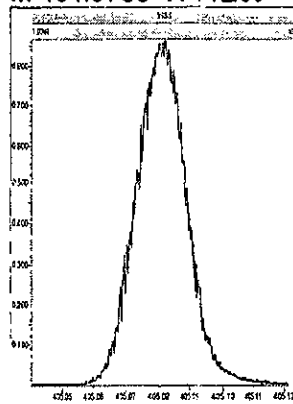
M 380.9760 R 11361



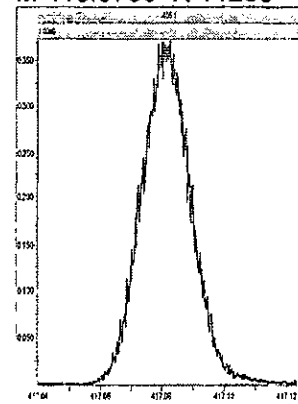
M 392.9760 R 11364



M 404.9760 R 11209



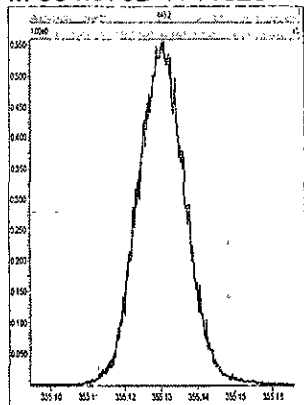
M 416.9760 R 11258



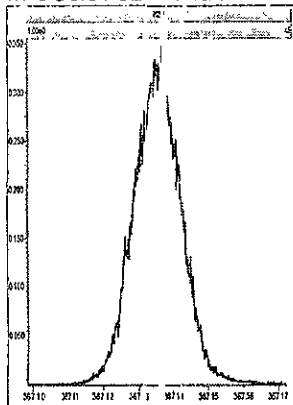
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Printed: Friday, November 20, 2009 14:23:19 Pacific Standard Time

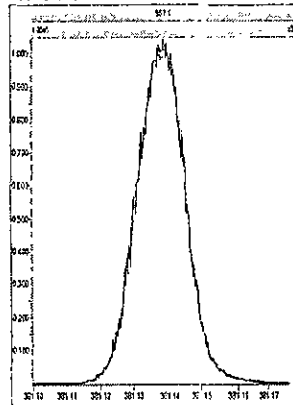
M 354.9792 R 11629



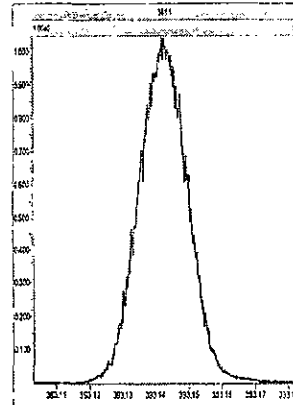
M 366.9792 R 12077



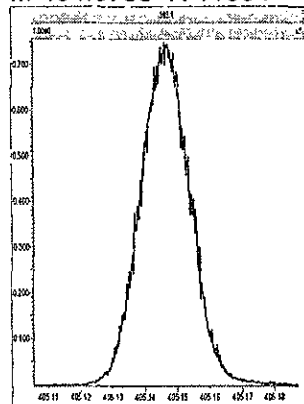
M 380.9760 R 11627



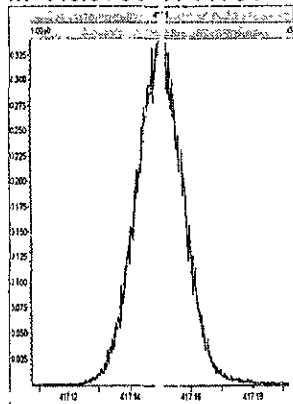
M 392.9760 R 11576



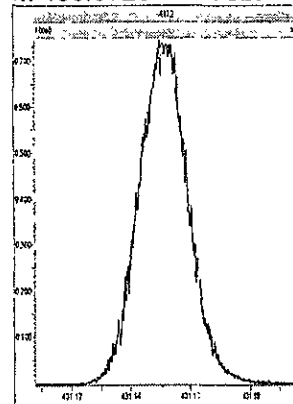
M 404.9760 R 11364



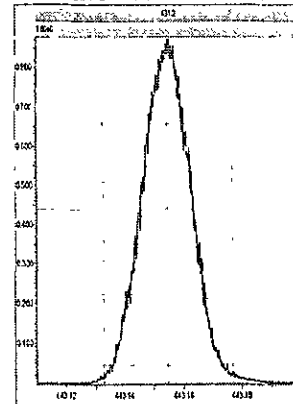
M 416.9760 R 11791



M 430.9728 R 11523



M 442.9728 R 11679

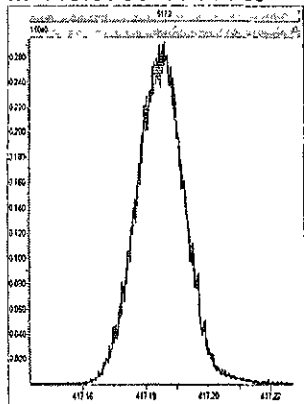




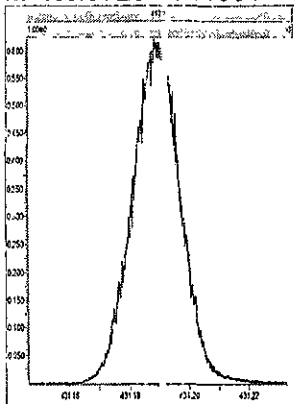
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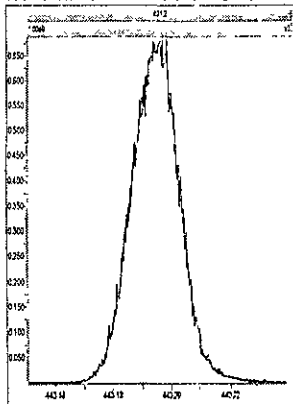
M 416.9760 R 11520



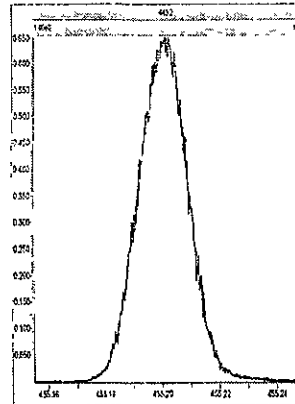
M 430.9728 R 11681



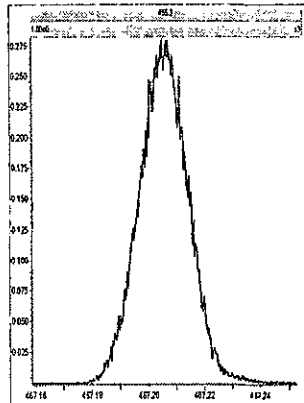
M 442.9728 R 11310



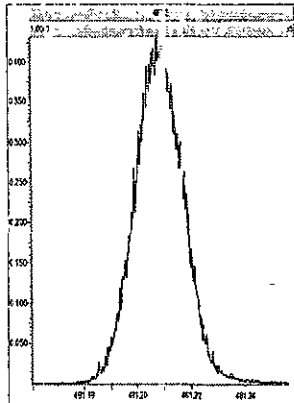
M 454.9728 R 11517



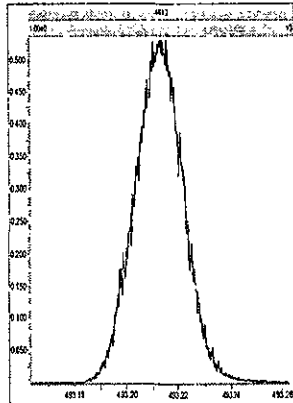
M 466.9728 R 11520



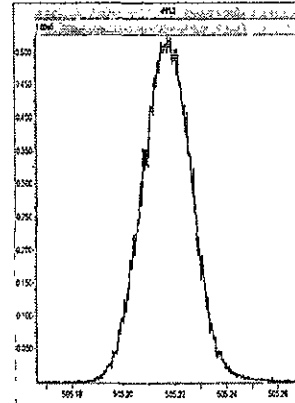
M 480.9696 R 11523



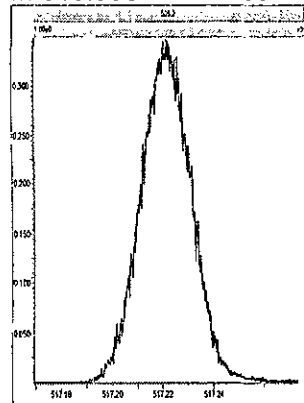
M 492.9696 R 11849



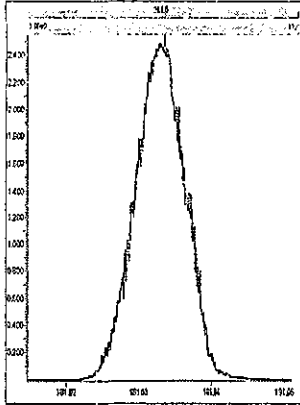
M 504.9696 R 11467



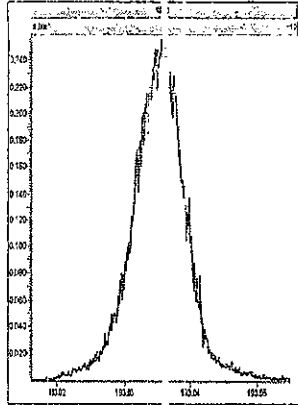
M 516.9697 R 11109



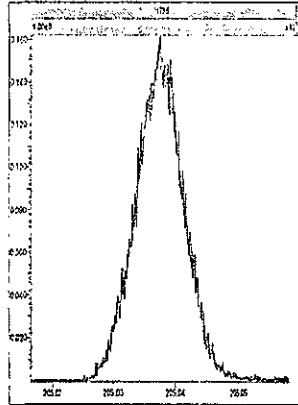
M 180.9888 R 11627



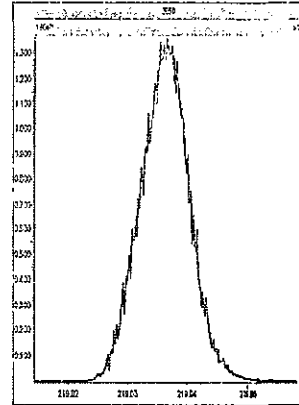
M 192.9888 R 9881



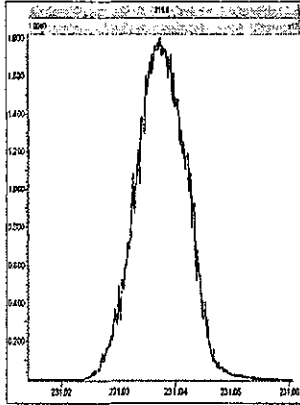
M 204.9888 R 11629



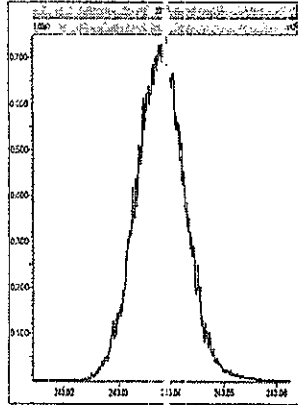
M 218.9856 R 11520



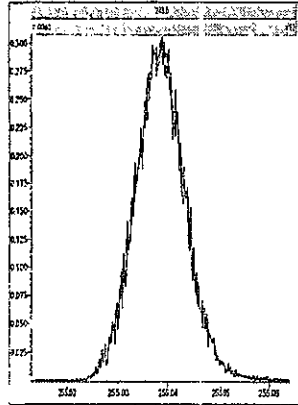
M 230.9856 R 11157



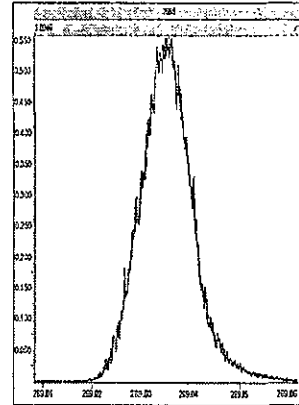
M 242.9856 R 11109



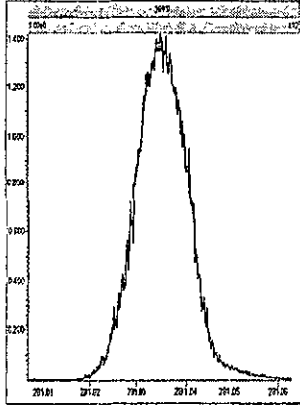
M 254.9856 R 10548



M 268.9824 R 10823



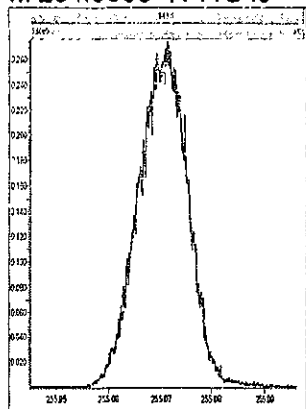
M 280.9824 R 10963



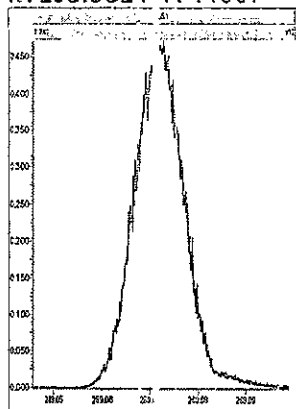
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Printed: Sunday, November 22, 2009 13:41:48 Pacific Standard Time

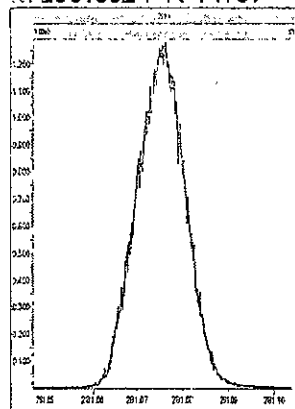
M 254.9856 R 11845



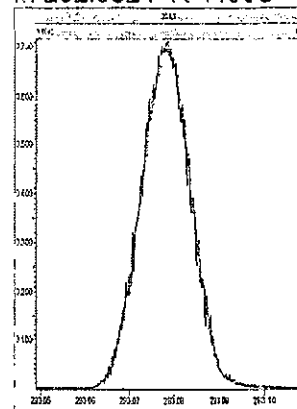
M 268.9824 R 11907



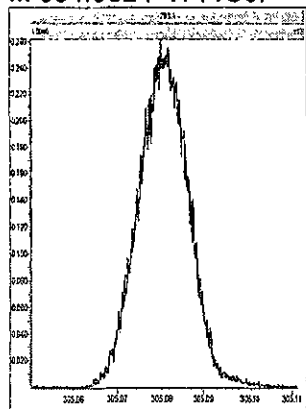
M 280.9824 R 11737



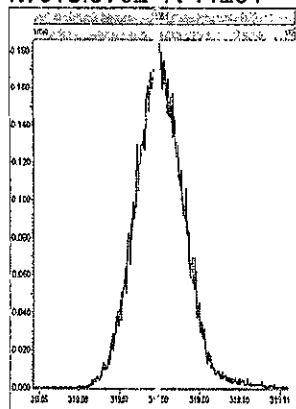
M 292.9824 R 11903



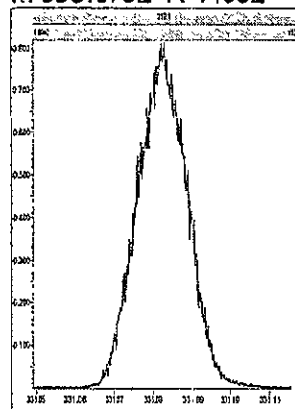
M 304.9824 R 11907



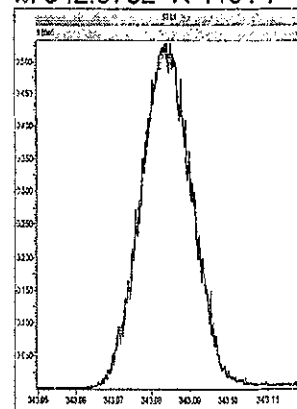
M 318.9792 R 11261



M 330.9792 R 11362



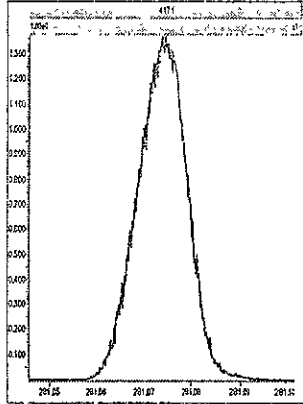
M 342.9792 R 11314



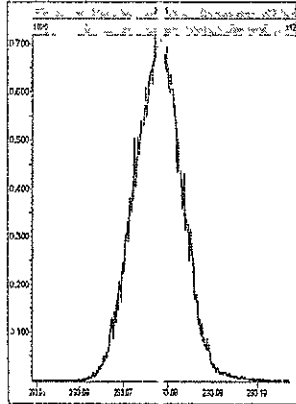
File: Experiment: 1668M10D3.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Sunday, November 22, 2009 13:43:10 Pacific Standard Time

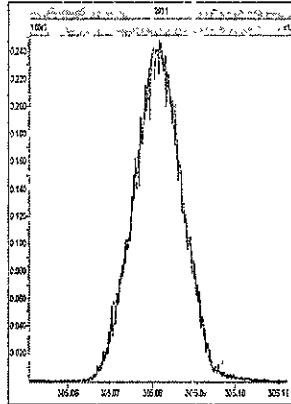
M 280.9824 R 12019



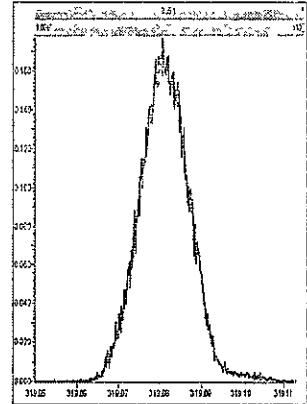
M 292.9824 R 11680



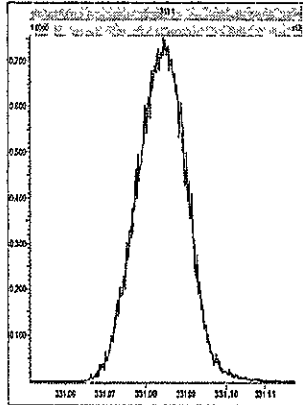
M 304.9824 R 11630



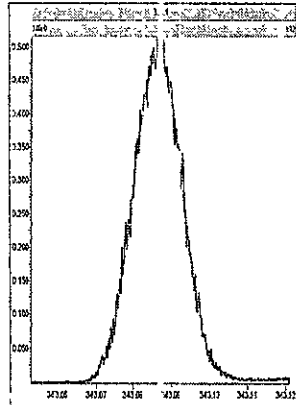
M 318.9792 R 11628



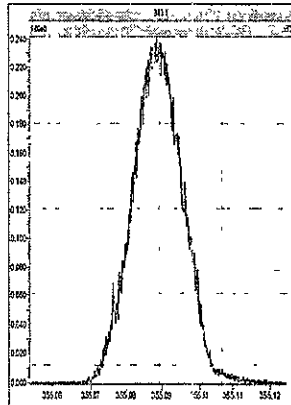
M 330.9792 R 12076



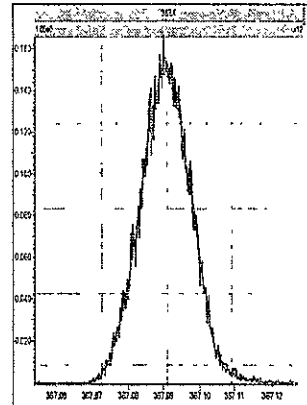
M 342.9792 R 11360



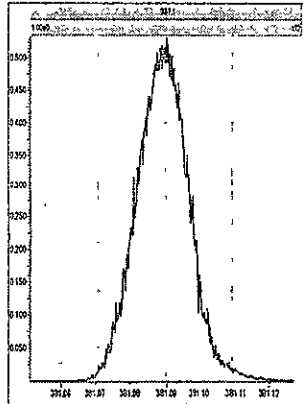
M 354.9792 R 11848



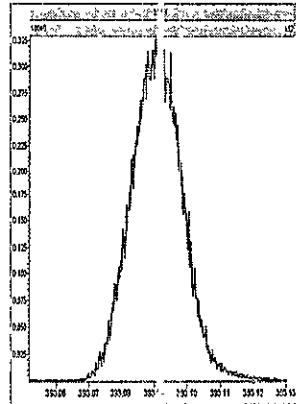
M 366.9792 R 11114



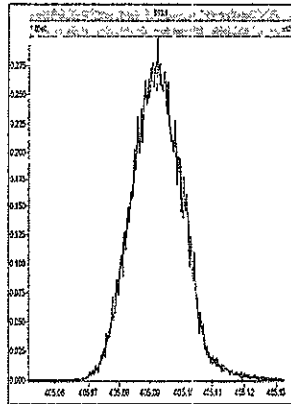
M 380.9760 R 11208



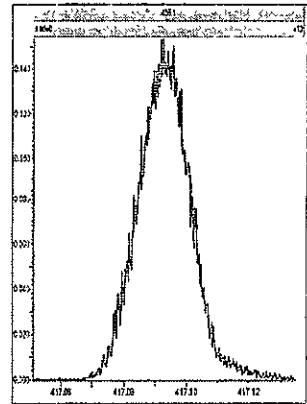
M 392.9760 R 11161



M 404.9760 R 10728



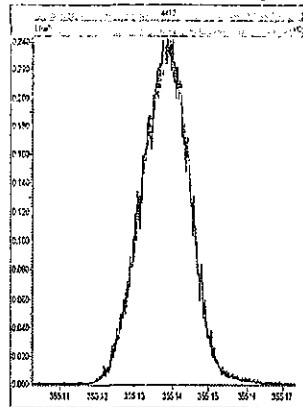
M 416.9760 R 11059



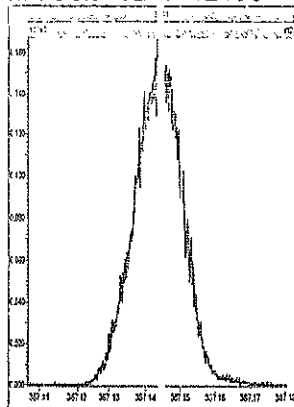
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Printed: Sunday, November 22, 2009 13:45:10 Pacific Standard Time

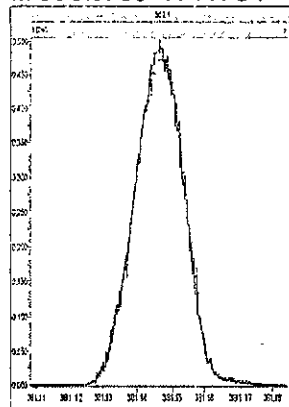
M 354.9792 R 11845



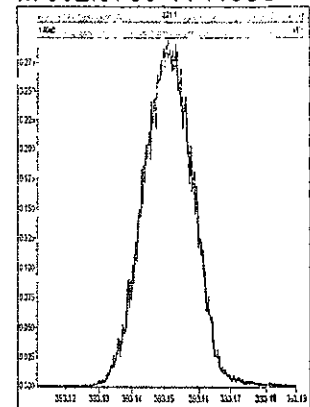
M 366.9792 R 12195



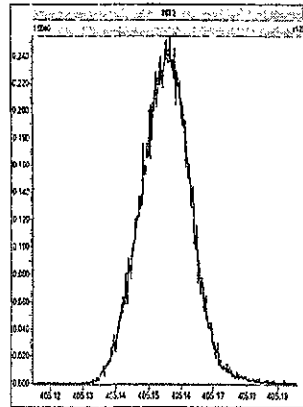
M 380.9760 R 11791



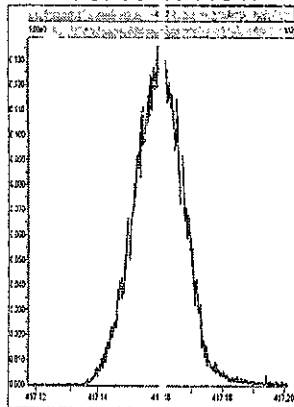
M 392.9760 R 11630



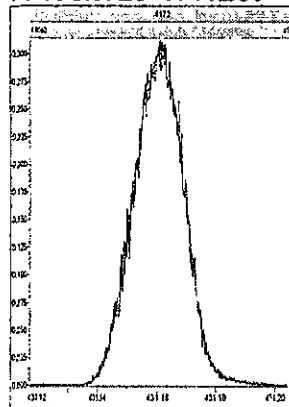
M 404.9760 R 11416



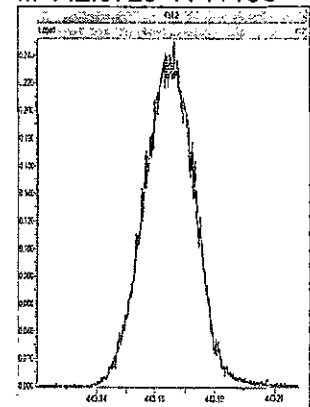
M 416.9760 R 11847



M 430.9728 R 11209



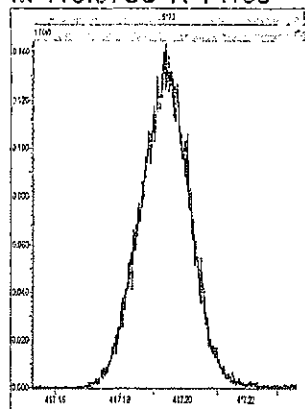
M 442.9728 R 11158



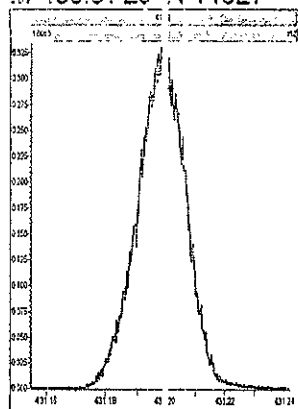
File: Experiment: 1668M10D.i.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Sunday, November 22, 2009 13:45:47 Pacific Standard Time

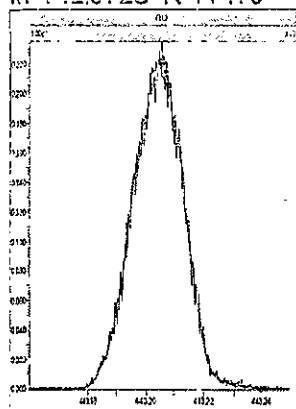
M 416.9760 R 11733



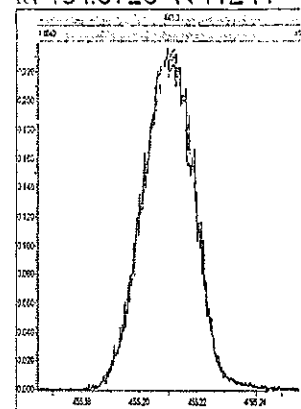
M 430.9728 R 11627



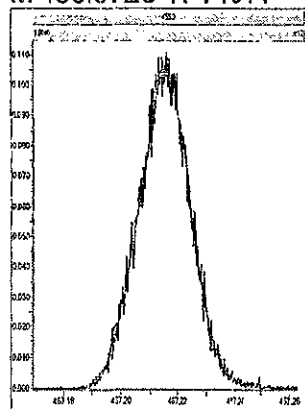
M 442.9728 R 11470



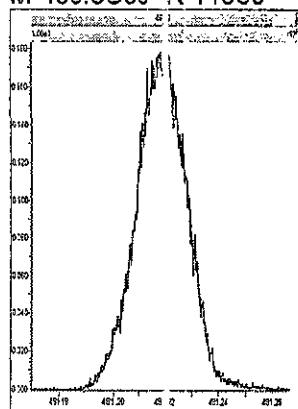
M 454.9728 R 11211



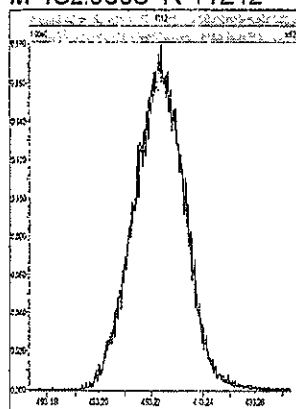
M 466.9728 R 11311



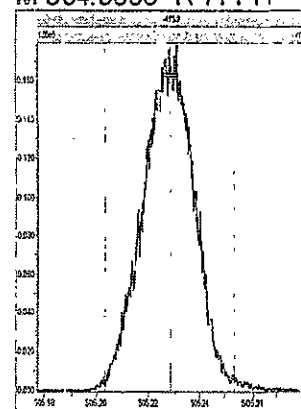
M 480.9696 R 11060



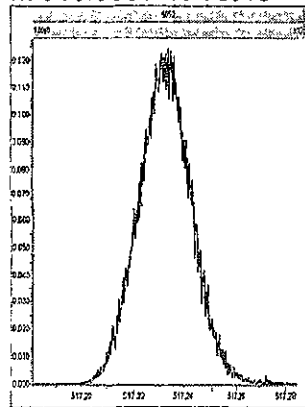
M 492.9696 R 11212



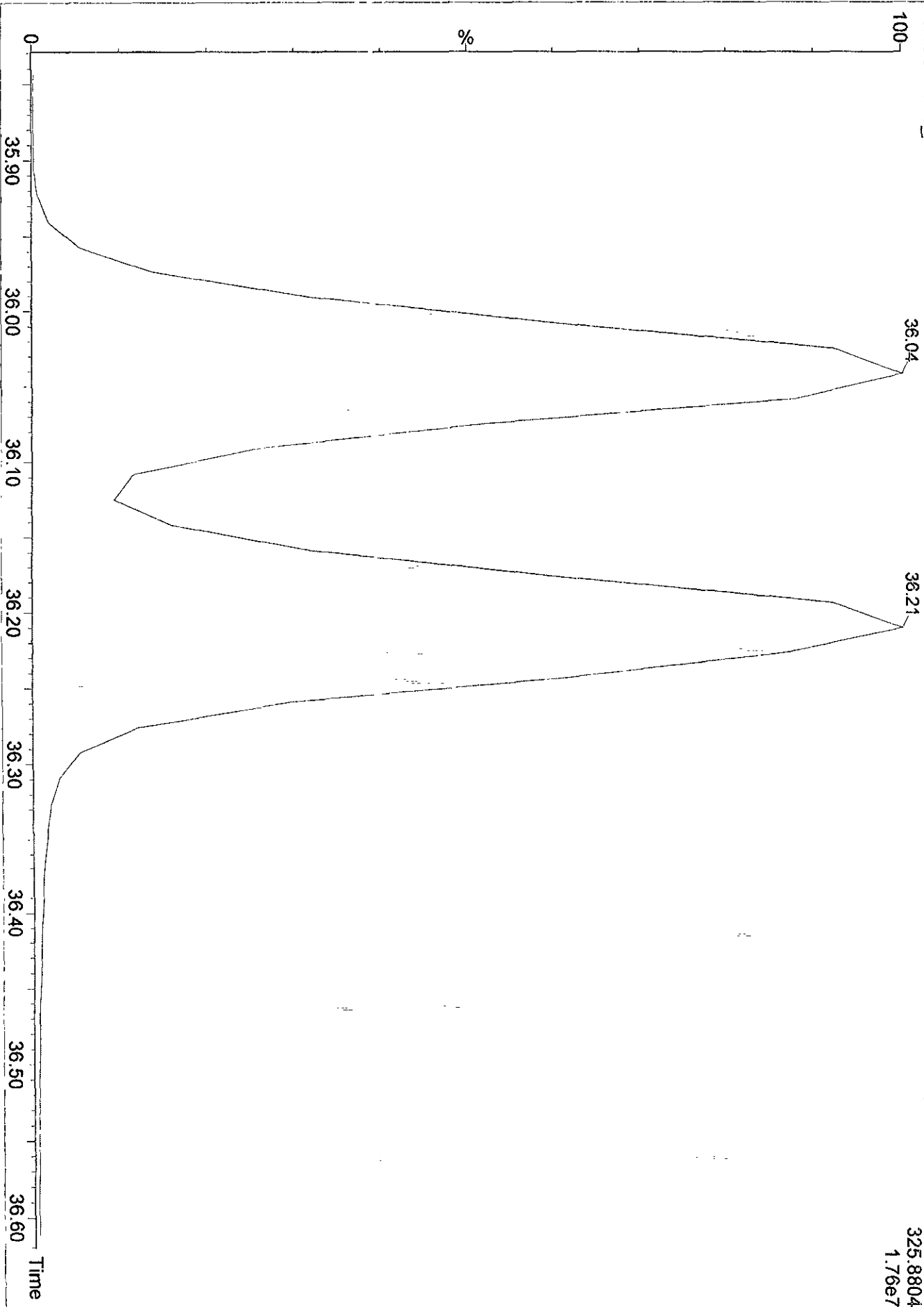
M 504.9696 R 11111



M 516.9697 R 10916



CS-3 09DXN207  
20NO0910DS\_15



3: Voltage SIR 17 Channels EI+  
325.8804  
1.76e7

Dataset: C:\MassLynx\Default.pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time

Printed: Monday, November 23, 2009 12:30:18 PM Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42

Calibration: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			



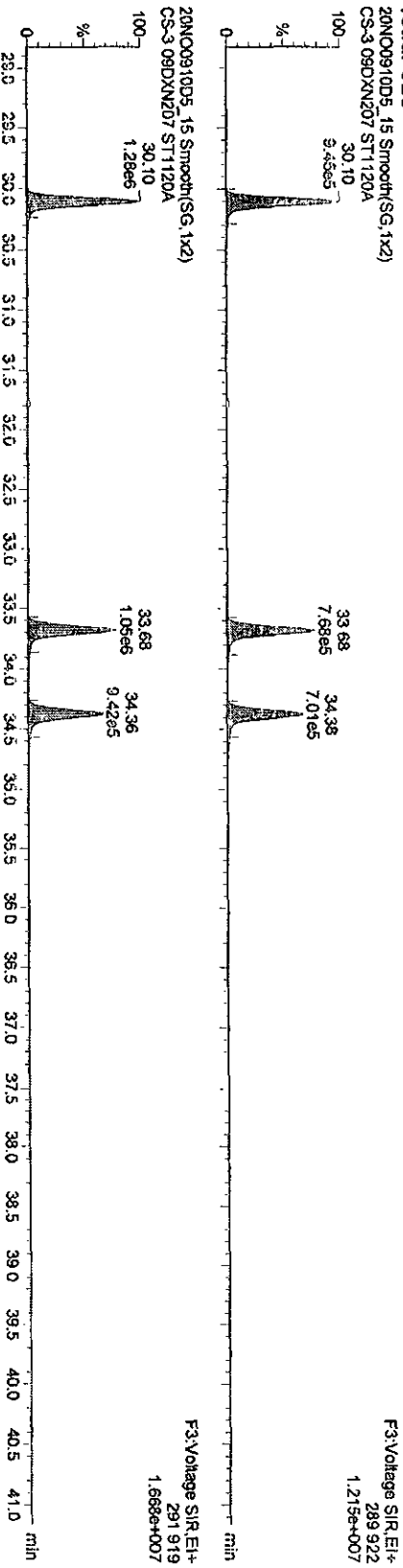
Dataset: C:\MassLynx\Default.pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28 16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

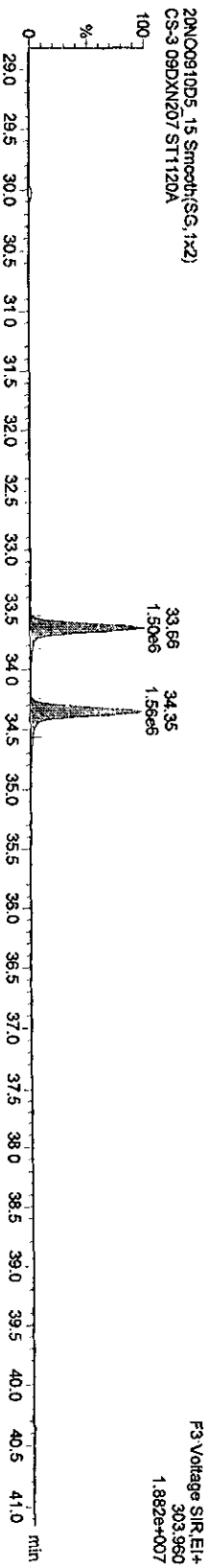
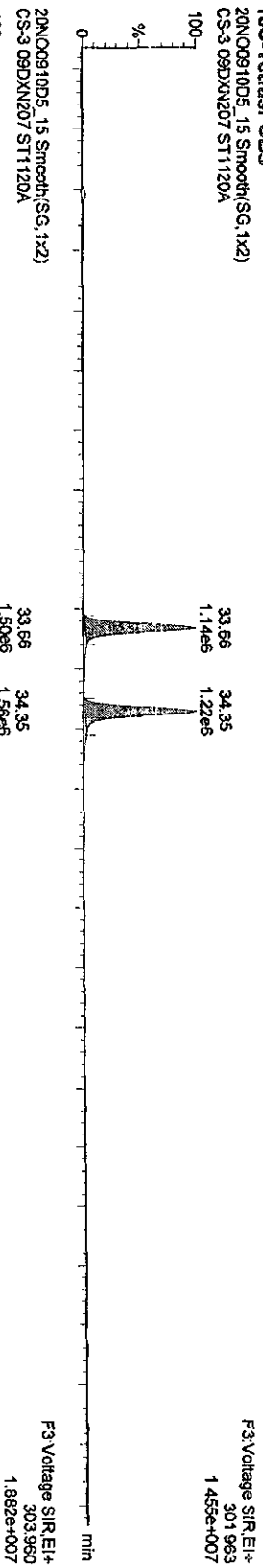
Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
Calibrator: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSL.cdb 21 Jun 2009 12:15:46

Name: 20NO0910D5\_15, Date: 21-Nov-2009, Time: 03:42:10, ID: ST1120A, Description: CS-3 09DXN207

**TetraPCBs**



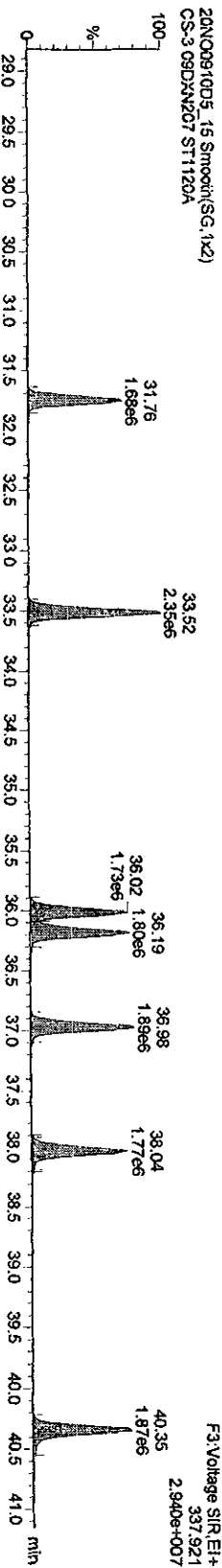
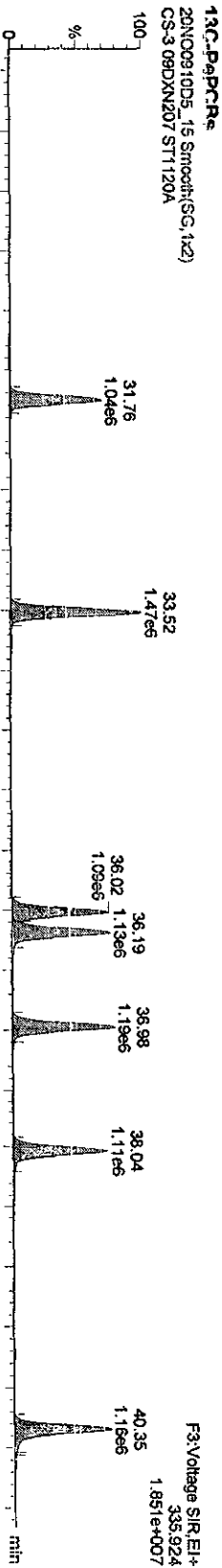
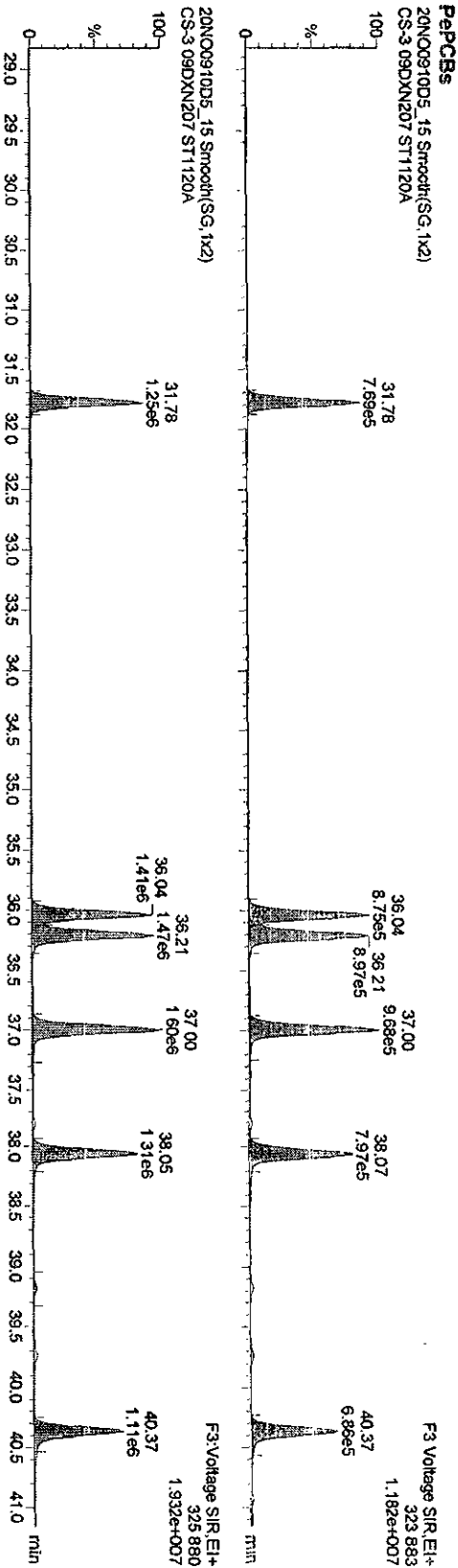
**13C-TetraPCBs**



Dataset: C:\MassLynx\Default.pro\20N00910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

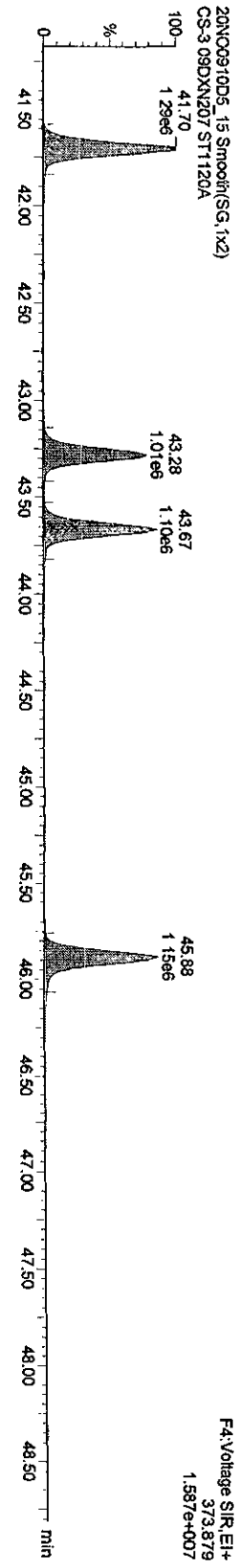
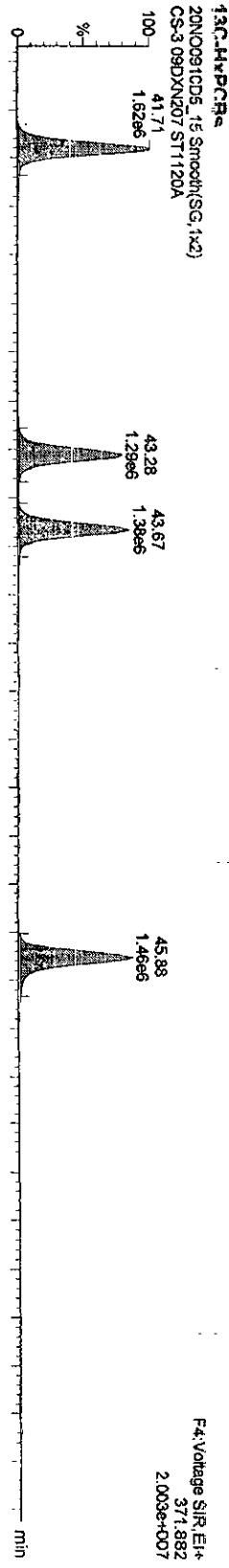
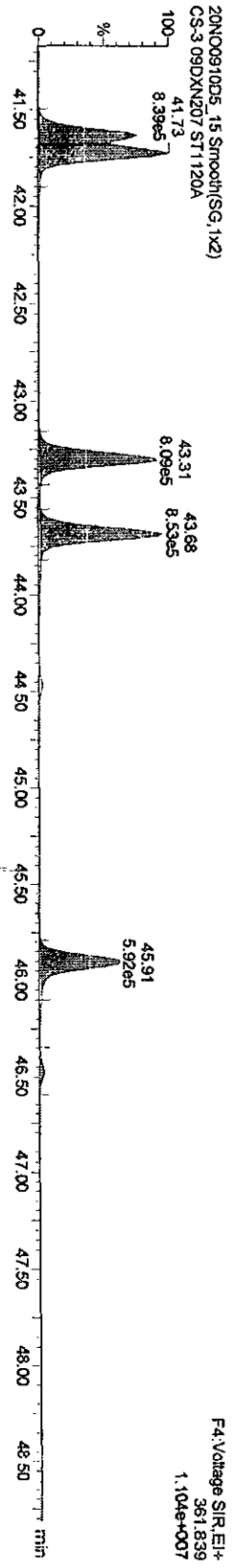
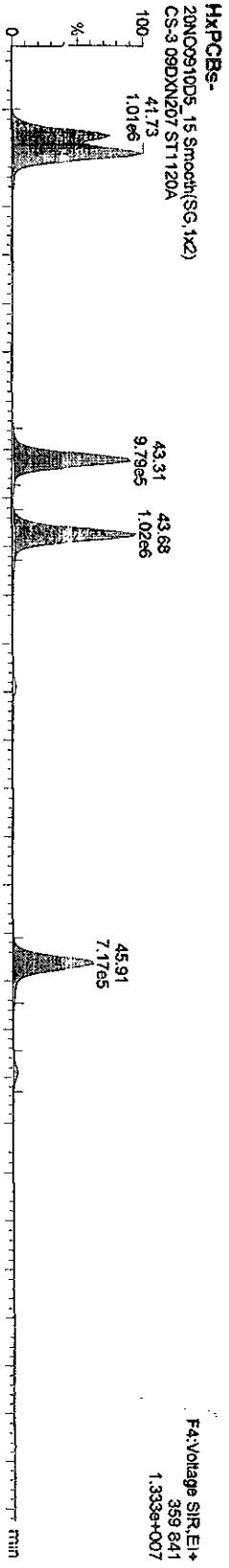
Name: 20N00910D5\_15, Date: 21-Nov-2009, Time: 03:42:10, ID: ST1120A, Description: CS-3-09DXN207



Dataset: C:\MassLynx\Default\proj\20N00910D5\1668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

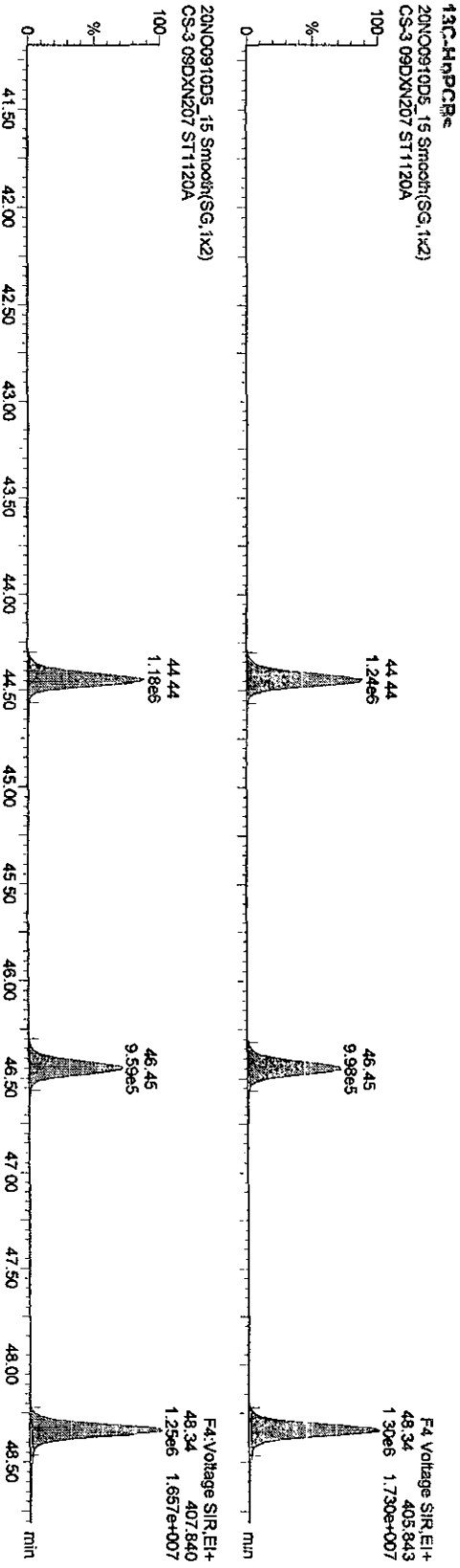
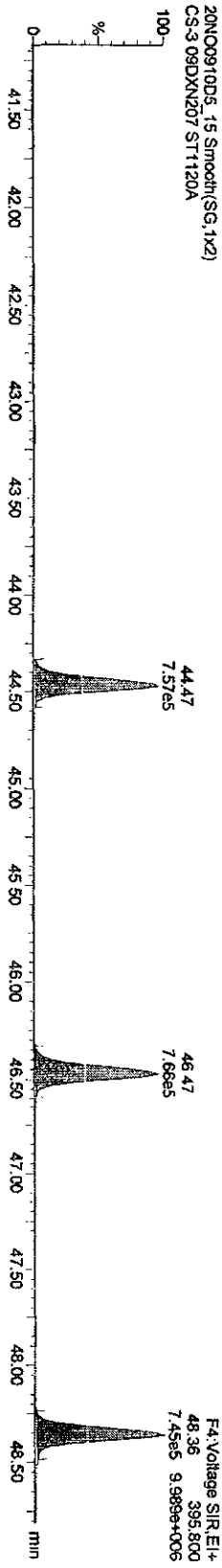
Name: 20N00910D5\_15, Date: 21-Nov-2009, Time: 03:42:10, ID: ST1120A, Description: CS-3-09DXN207



Dataset: C:\MassLynx\Default\pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

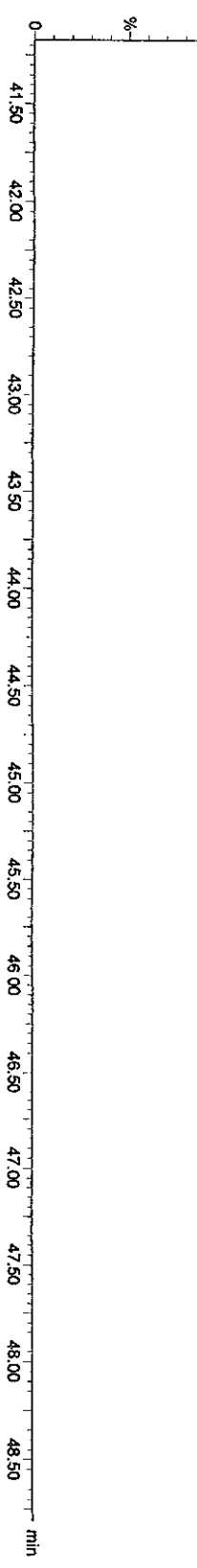
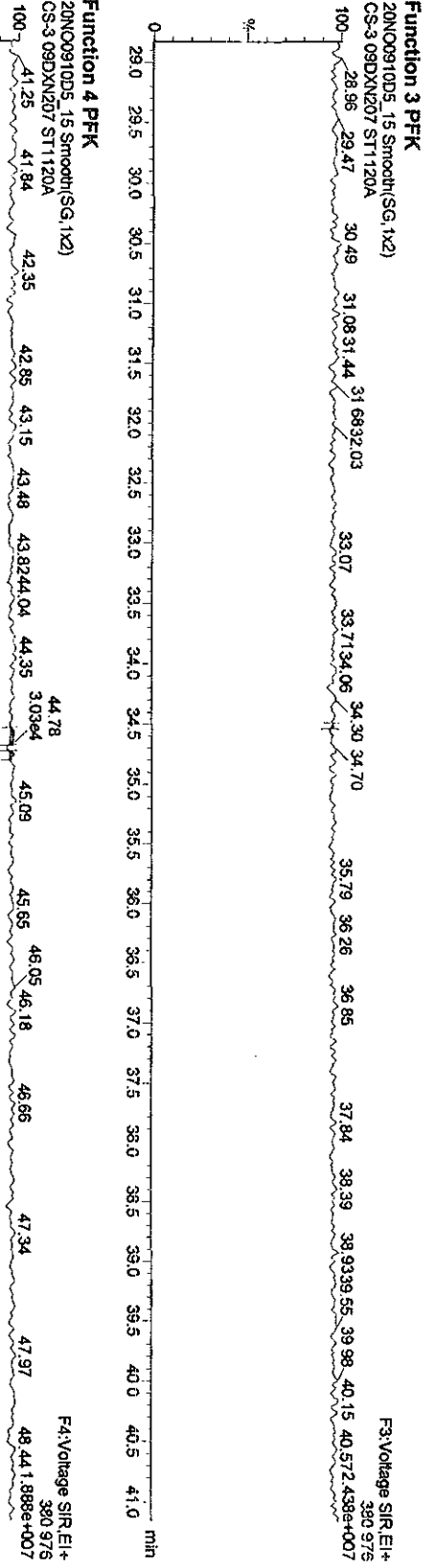
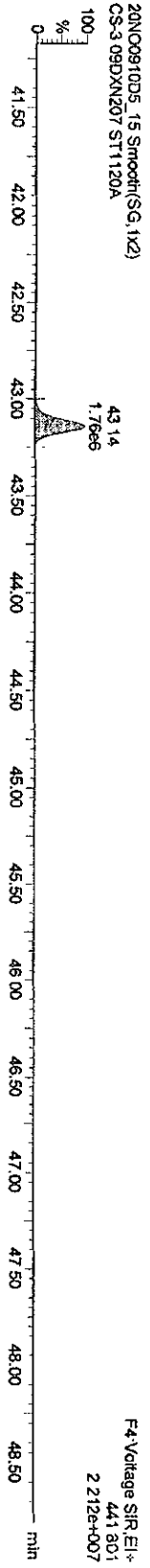
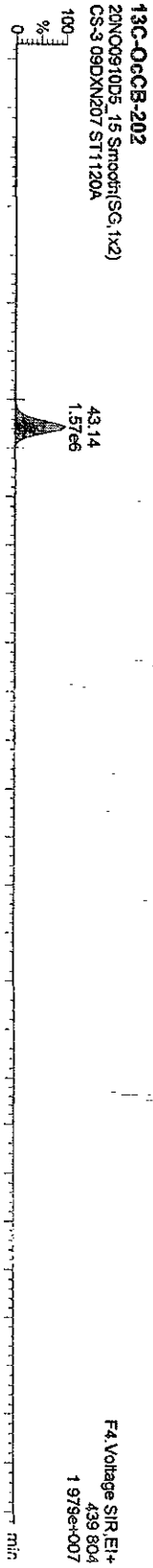
Name: 20NO0910D5\_15, Date: 21-Nov-2009, Time: 03:42:10, ID: ST1120A, Description: CS-3-09DXN207



Dataset: C:\Masslynx\Default\proj\20N00910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_15, Date: 21-Nov-2009, Time: 03:42:10, ID: ST1120A, Description: CS-3 09DXN207

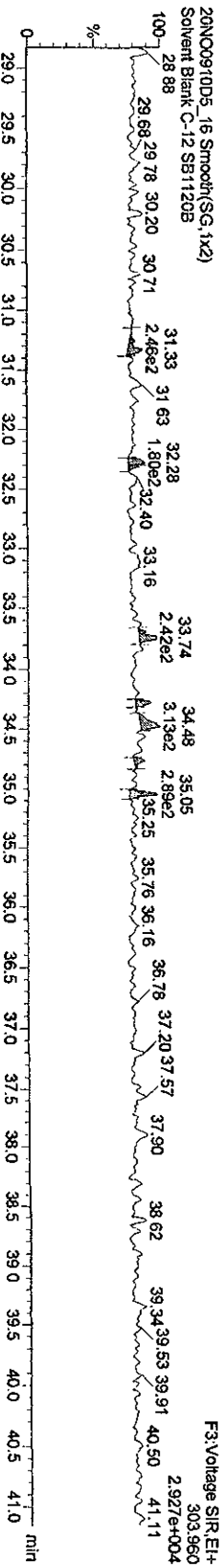
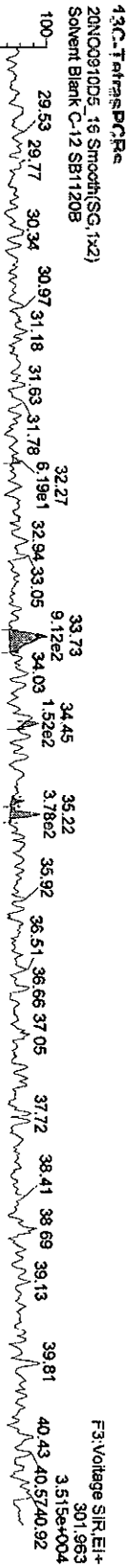
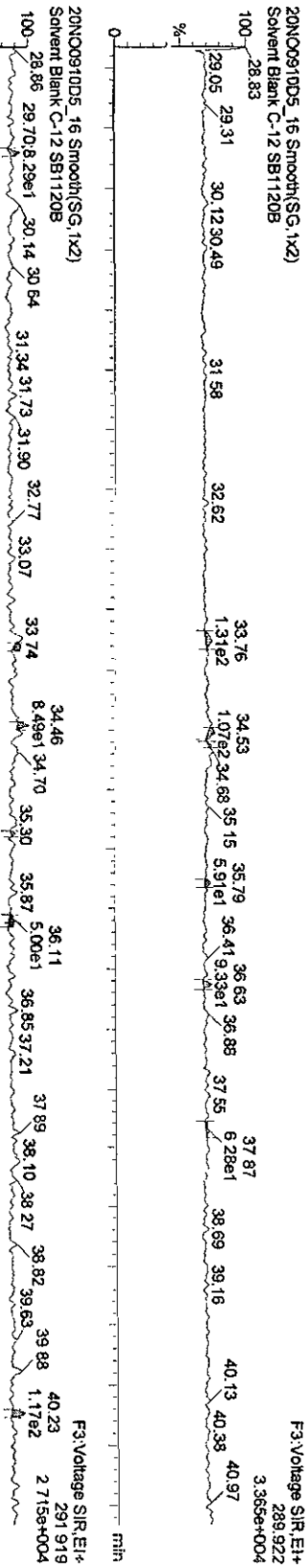


Dataset: C:\MassLynx\Default.pro\20N00910D5\_1668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_16, Date: 21-Nov-2009, Time: 04:38:59, ID: SB1120B, Description: Solvent Blank C-12

TetraPCBS



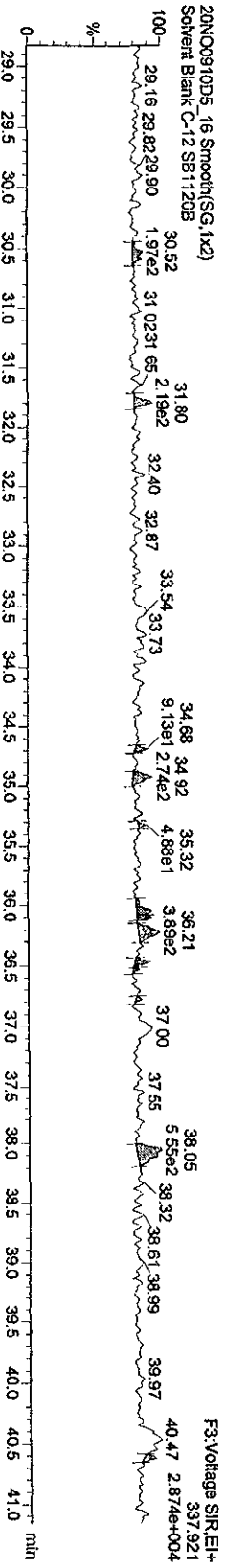
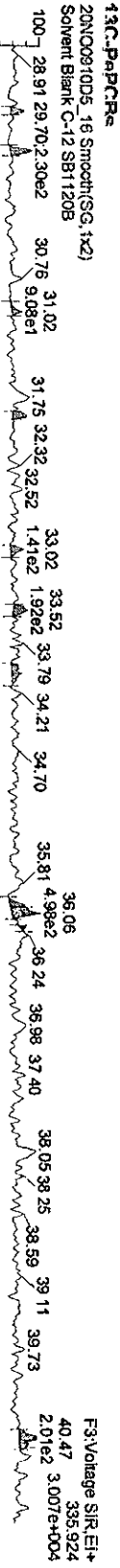
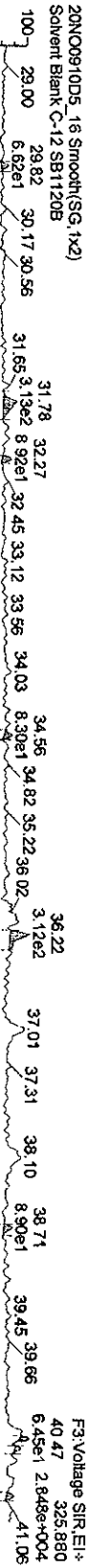
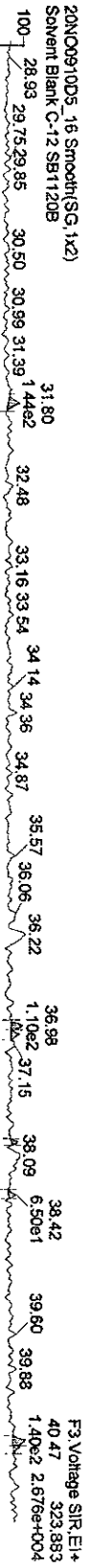
Dataset: C:\MassLynx\Default\proj\20N00910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time

Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20N00910D5\_16, Date: 21-Nov-2009, Time: 04:38:59, ID: SB1120B, Description: Solvent Blank C-12

PePCBs



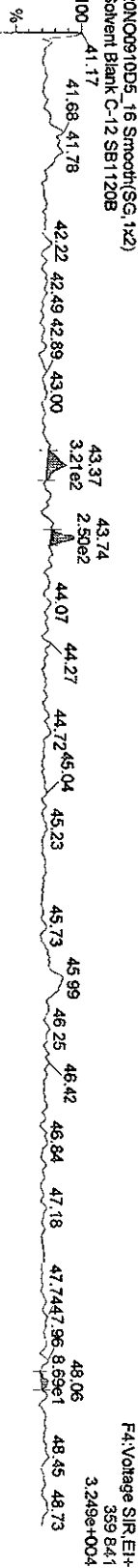
Dataset: C:\MassLynx\Default.pro\20N00910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

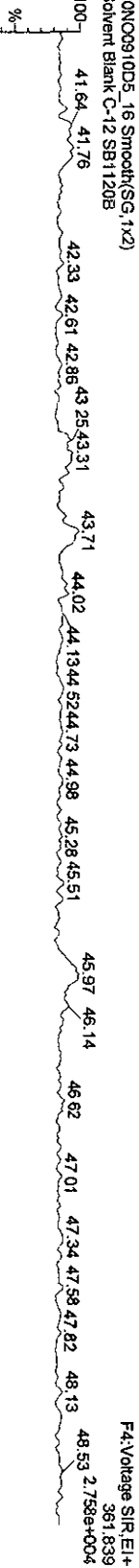
Name: 20N00910D5\_16, Date: 21-Nov-2009, Time: 04:38:59, ID: SB1120B, Description: Solvent Blank C-12

HxPCBS-

20N00910D5\_16 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1120B

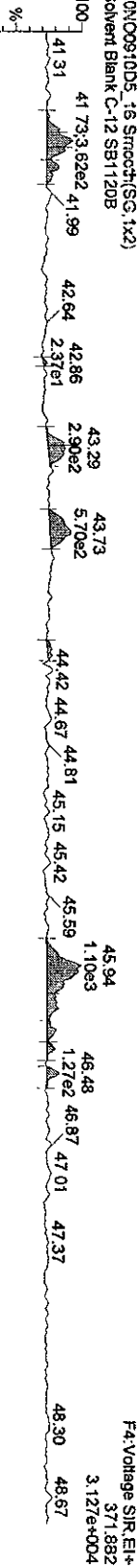


20N00910D5\_16 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1120B

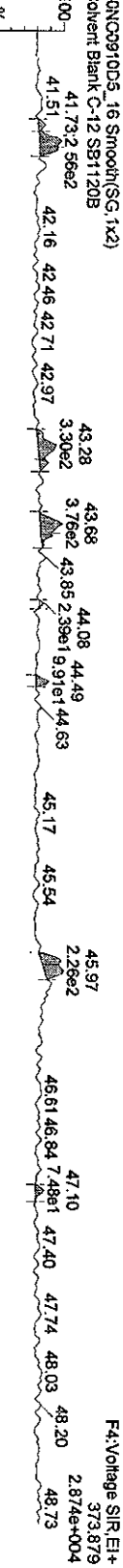


13C-HxPCBS

20N00910D5\_16 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1120B



20N00910D5\_16 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1120B





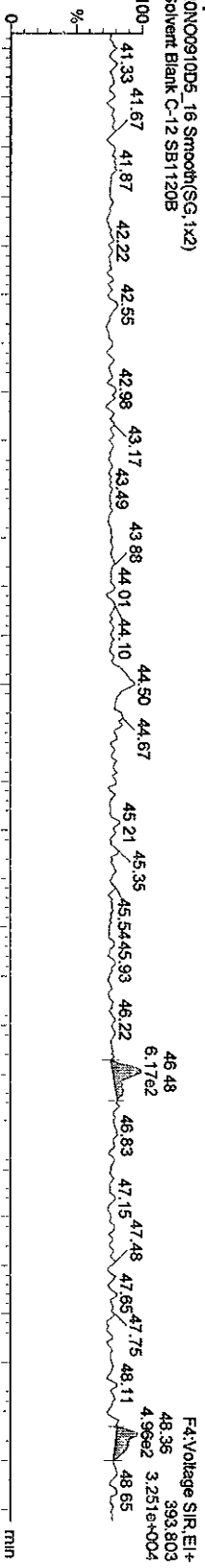
Dataset: C:\MassLynx\Default pro\20NOC0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

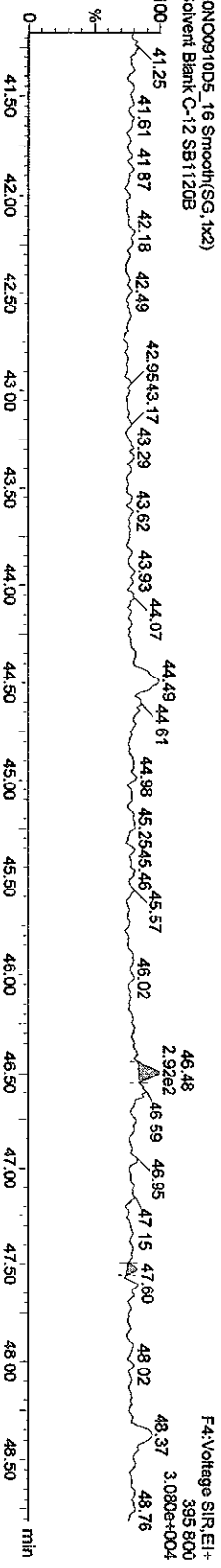
Name: 20NOC0910D5\_16, Date: 21-Nov-2009, Time: 04:38:59, ID: SB1120B, Description: Solvent Blank C-12

HPPCBs

20NOC0910D5\_16 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1120B

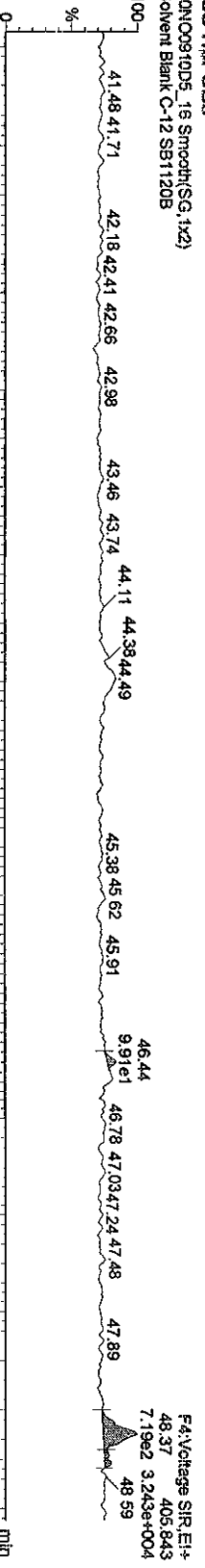


20NOC0910D5\_16 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1120B

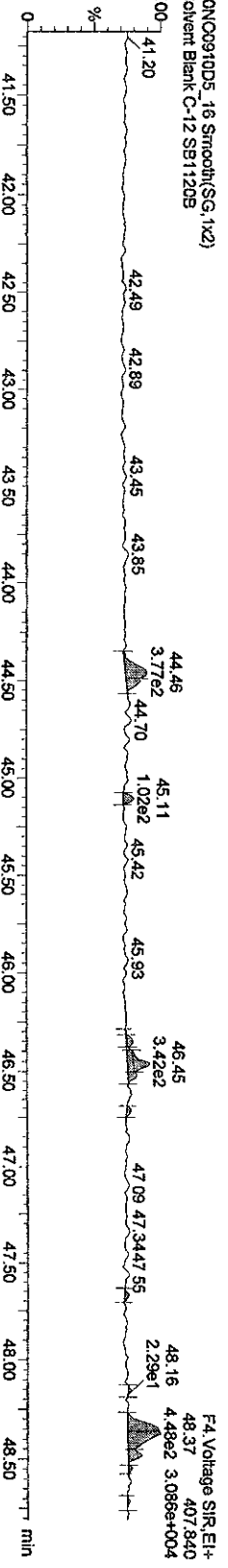


13C-HPPCBs

20NOC0910D5\_16 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1120B



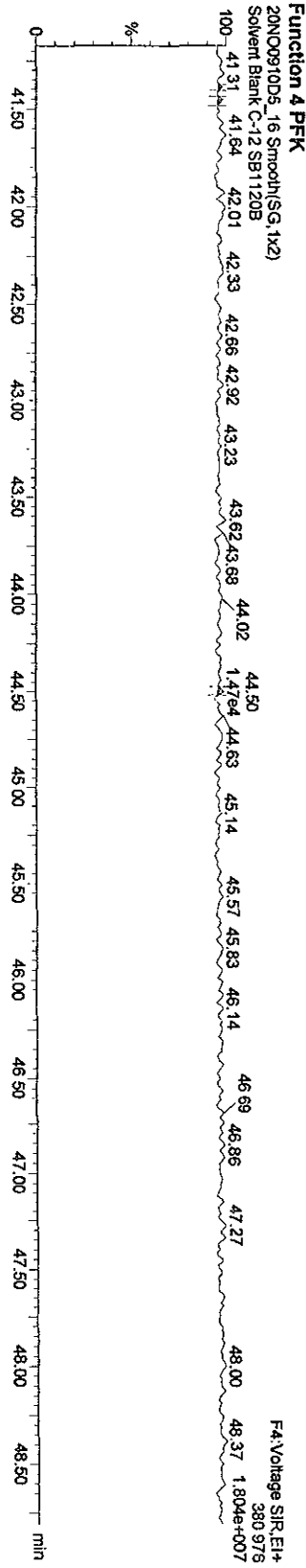
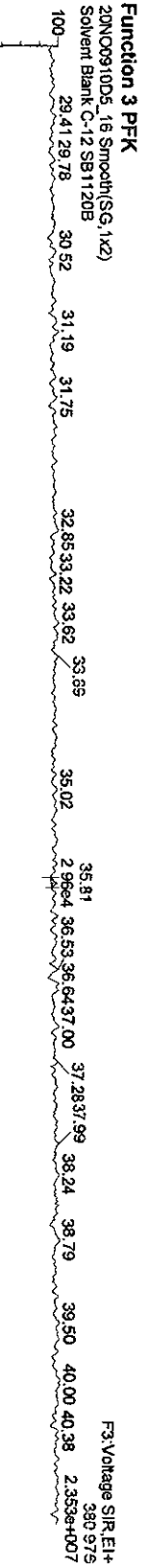
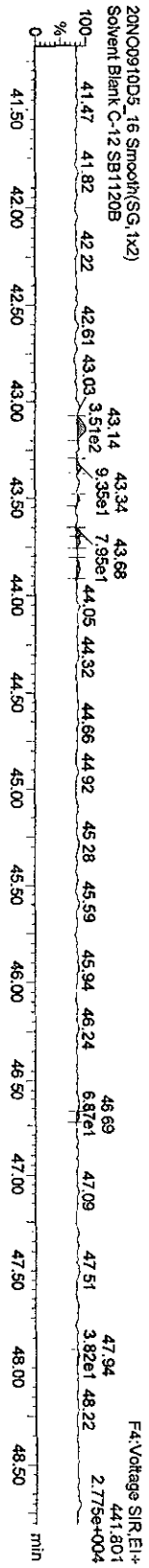
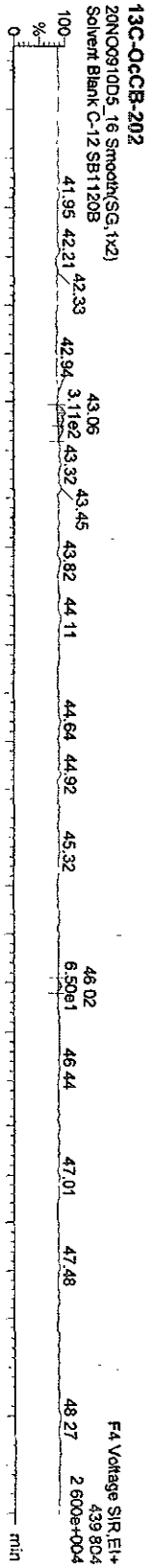
20NOC0910D5\_16 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1120B



Dataset: C:\Masslynx\Default\pro\20NO0910D51668MSLA.qld

Last Altered: Monday, November 23, 2009 12:28:16 PM Pacific Standard Time  
Printed: Monday, November 23, 2009 12:29:30 PM Pacific Standard Time

Name: 20NO0910D5\_16, Date: 21-Nov-2009, Time: 04:38:59, ID: SB1120B, Description: Solvent Blank C-12



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
 Methods 1668 and 1614

1668

ICAL ID ICA07162m910DS1668MSL, ICA07162m910DS<sup>1668</sup>MSLDEC

Method ID 1668m Date Scanned \_\_\_\_\_

Column ID DB-5 Instrument ID 10DS

STD ID's ST0716, ST0716A, ST0716B, ST0716C, ST0716D STD Solution 09DXN(-205, -206, -207, -208, -209)

GC Program 1668m10115 Multiplier Setting 350

Analyzed By SMA Date Analyzed 7-16-09

Prepared By SMA Date Prepared 7-21-09

Reviewed By AM Date Reviewed 7-21-09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for toxic and/or window defining natives (LOC natives.). All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%; S/N ≥ 2.5

1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥2.5

Dataset: C:\MassLynx\Default.pro\ICA07162\0910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:45:37 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	12419.42300	552.43115	4.44812
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27458	0.03295	2.58481
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02377	0.01763	1.72210
11	PeCB-118/106	1.52582	0.06945	4.55167
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58926	0.05740	3.61197
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	14106.20925	642.22167	4.55276
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85808
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-DeCB-209	0.55323	0.00785	1.41676
38	DeCB-209	1.31861	0.03844	2.91546
39				
40	13C-PeCB-111	1.30483	0.02157	1.65345
41				
42	Function 3 PFK			
43	Function 4 PFK			
44	Function 5 PFK			

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod Date
1	13C-PeCB-101	335.924	31.89	100.0	1238504	12385....	0.623	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1303558	1.05253	0.781	NO	
4	TeCB-81	289.922	33.82	1.0	17272	1.32496	0.713	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1366661	1.10348	0.785	NO	
6	TeCB-77	289.922	34.52	1.0	17201	1.25859	0.692	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.15	100.0	1250798	1.00993	0.630	NO	
9	PeCB-123	323.883	36.18	1.0	17822	1.42486	0.649	NO	
10	13C-PeCB-118	335.924	36.31	100.0	1303385	1.05239	0.638	NO	
11	PeCB-118/106	323.883	36.35	1.0	18785	1.44126	0.590	NO	
12	13C-PeCB-114	335.924	37.10	100.0	1308817	1.05677	0.632	NO	
13	PeCB-114	323.883	37.14	1.0	19667	1.50269	0.608	NO	
14	13C-PeCB-105	335.924	38.18	100.0	1247364	1.00715	0.630	NO	
15	PeCB-105/127	323.883	38.21	1.0	17028	1.36510	0.657	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1318474	1.06457	0.617	NO	
17	PeCB-126	323.883	40.51	1.0	14763	1.11971	0.612	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.29	100.0	1410958	14109....	0.898	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.85	100.0	1437394	1.01874	1.287	NO	
22	HxCB-167	359.841	41.87	1.0	19668	1.36831	1.291	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1133192	0.80314	1.291	NO	
24	HxCB-156	359.841	43.45	1.0	18969	1.67395	1.142	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1209820	0.85745	1.273	NO	
26	HxCB-157	359.841	43.83	1.0	19507	1.61239	1.155	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1280840	0.90778	1.268	NO	
28	HxCB-169	359.841	46.08	1.0	13786	1.07630	1.297	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.59	100.0	985244	0.69828	1.054	NO	
31	HpCB-180	393.803	44.62	1.0	13178	1.33751	1.134	NO	
32	13C-HpCB-170	405.843	46.61	100.0	795719	0.56396	1.030	NO	
33	HpCB-170	393.803	46.64	1.0	12327	1.54915	1.029	NO	
34	13C-HpCB-189	405.843	48.48	100.0	1036343	0.73450	1.048	NO	
35	HpCB-189	393.803	48.50	1.0	12596	1.21545	1.055	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.70	100.0	781754	0.55406	0.704	NO	
38	DeCB-209	495.686	53.72	1.0	9872	1.26276	0.675	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.65	100.0	1685311	1.31074	0.635	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA07162\0910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:51 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1201788	12017 ...	0.630	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1243046	1.03433	0.797	NO	
4	TeCB-81	289.922	33.83	5.0	87542	1.40851	0.717	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1317969	1.09867	0.797	NO	
6	TeCB-77	289.922	34.52	5.0	81251	1.23297	0.721	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1207195	1.00450	0.620	NO	
9	PeCB-123	323.883	36.18	5.0	84618	1.40190	0.624	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1219974	1.01513	0.633	NO	
11	PeCB-118/106	323.883	36.35	5.0	89482	1.46696	0.646	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1249215	1.03946	0.647	NO	
13	PeCB-114	323.883	37.14	5.0	97586	1.56236	0.602	NO	
14	13C PeCB-105	335.924	38.19	100.0	1174371	0.97719	0.628	NO	
15	PeCB-105/127	323.883	38.21	5.0	82035	1.39708	0.619	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1231019	1.02432	0.623	NO	
17	PeCB-126	323.883	40.54	5.0	67459	1.09599	0.630	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1363855	13638....	0.891	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1360620	0.99763	1.270	NO	
22	HxCB-167	359.841	41.88	5.0	86045	1.26479	1.229	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1065694	0.78138	1.286	NO	
24	HxCB-156	359.841	43.46	5.0	85122	1.59750	1.186	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1123200	0.82355	1.286	NO	
26	HxCB-157	359.841	43.85	5.0	89045	1.58556	1.238	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1168591	0.85683	1.232	NO	
28	HxCB-169	359.841	46.08	5.0	62351	1.06712	1.221	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	925688	0.67873	1.036	NO	
31	HpCB-180	393.803	44.62	5.0	56871	1.22872	1.063	NO	
32	13C-HpCB-170	405.843	46.61	100.0	738016	0.54112	1.062	NO	
33	HpCB-170	393.803	46.64	5.0	58449	1.58394	1.019	NO	
34	13C-HpCB-189	405.843	48.50	100.0	932310	0.68358	1.049	NO	
35	HpCB-189	393.803	48.51	5.0	56109	1.20366	1.059	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	745327	0.54649	0.715	NO	
38	DeCB-209	495.686	53.73	5.0	48235	1.29433	0.711	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.66	100.0	1588090	1.30561	0.634	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA07162\0910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.90	100.0	1175057	11750....	0.634	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1246212	1.06055	0.801	NO	
4	TeCB-81	289.922	33.83	100.0	930081	1.49265	0.723	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1331423	1.13307	0.804	NO	
6	TeCB-77	289.922	34.52	100.0	847939	1.27373	0.727	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1191088	1.01364	0.643	NO	
9	PeCB-123	323.883	36.18	100.0	929234	1.56031	0.615	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1202953	1.02374	0.631	NO	
11	PeCB-118/106	323.883	36.35	100.0	956194	1.58974	0.625	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1229304	1.04616	0.638	NO	
13	PeCB-114	323.883	37.14	100.0	987405	1.60645	0.626	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1164813	0.99128	0.637	NO	
15	PeCB-105/127	323.883	38.21	100.0	850622	1.46053	0.610	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1208292	1.02828	0.622	NO	
17	PeCB-126	323.883	40.53	100.0	708636	1.17295	0.622	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1332095	13320....	0.897	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1325323	0.99492	1.279	NO	
22	HxCB-167	359.841	41.88	100.0	929401	1.40253	1.238	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1039105	0.78005	1.292	NO	
24	HxCB-156	359.841	43.46	100.0	895990	1.72454	1.227	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1109688	0.83304	1.283	NO	
26	HxCB-157	359.841	43.85	100.0	943304	1.70012	1.230	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1146831	0.86092	1.284	NO	
28	HxCB-169	359.841	46.08	100.0	635680	1.10859	1.243	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	926647	0.69563	1.034	NO	
31	HpCB-180	393.803	44.62	100.0	599373	1.29364	1.027	NO	
32	13C-HpCB-170	405.843	46.62	100.0	725228	0.54443	1.045	NO	
33	HpCB-170	393.803	46.64	100.0	598461	1.65041	1.043	NO	
34	13C-HpCB-189	405.843	48.50	100.0	930603	0.69860	1.043	NO	
35	HpCB-189	393.803	48.51	100.0	575970	1.23784	1.038	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	733459	0.55061	0.704	NO	
38	DeCB-209	495.686	53.73	100.0	494787	1.34919	0.691	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.67	100.0	1595890	1.33070	0.629	NO	
41				0.0					
42	Function 3 PFK	380.976		0.0					
43	Function 4 PFK	380.976		0.0					
44	Function 5 PFK	480.970		0.0					



Dataset: C:\MassLynx\Default.pro\CA07162\0910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

#	Name	Trace	RT	Std. Conc.	Response	RRF	Ratio (Ac...)	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.89	100.0	1295333	12953....	0.633	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1310582	1.01177	0.780	NO	
4	TeCB-81	289.922	33.82	200.0	3974320	1.51624	0.742	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1385538	1.06964	0.794	NO	
6	TeCB-77	289.922	34.52	200.0	3662737	1.32177	0.723	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1226579	0.94692	0.628	NO	
9	PeCB-123	323.883	36.18	200.0	3838855	1.56486	0.620	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1301955	1.00511	0.639	NO	
11	PeCB-118/106	323.883	36.35	200.0	4007006	1.53884	0.615	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1286568	0.99323	0.644	NO	
13	PeCB-114	323.883	37.14	200.0	4203276	1.63352	0.617	NO	
14	13C PeCB-105	335.924	38.18	100.0	1235972	0.95417	0.624	NO	
15	PeCB-105/127	323.883	38.21	200.0	3603788	1.45788	0.623	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1300506	1.00399	0.625	NO	
17	PeCB-126	323.883	40.52	200.0	3074213	1.18193	0.615	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1460108	14601....	0.903	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1431091	0.98013	1.291	NO	
22	HxCB-167	359.841	41.88	200.0	3738452	1.30615	1.233	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1116476	0.76465	1.290	NO	
24	HxCB-156	359.841	43.46	200.0	3830700	1.71553	1.223	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1194057	0.81779	1.280	NO	
26	HxCB-157	359.841	43.85	200.0	4035042	1.68964	1.232	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1236150	0.84662	1.277	NO	
28	HxCB-169	359.841	46.06	200.0	2788716	1.12798	1.245	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	970265	0.66452	1.045	NO	
31	HpCB-180	393.803	44.62	200.0	2544786	1.31139	1.039	NO	
32	13C-HpCB-170	405.843	46.61	100.0	776807	0.53202	1.059	NO	
33	HpCB-170	393.803	46.64	200.0	2565555	1.65135	1.038	NO	
34	13C-HpCB-189	405.843	48.48	100.0	978294	0.67001	1.033	NO	
35	HpCB-189	393.803	48.51	200.0	2441050	1.24761	1.041	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	801083	0.54865	0.706	NO	
38	DeCB-209	495.686	53.73	200.0	2145217	1.33895	0.696	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.65	100.0	1659357	1.30826	0.623	NO	
41				0.0					
42	Function 3 PFK	380.976		0.0					
43	Function 4 PFK	380.976		0.0					
44	Function 5 PFK	480.970		0.0					

Dataset: C:\MassLynx\Default.pro\CA07162\0910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:51 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 6:34:50, ID: ST0716D, Description: CS-5 09DXN209

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.90	100.0	1299028	12990....	0.636	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1351021	1.04002	0.809	NO	
4	TeCB-81	289.922	33.82	500.0	10467538	1.54957	0.737	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1453148	1.11864	0.802	NO	
6	TeCB-77	289.922	34.52	500.0	9342494	1.28583	0.722	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1287591	0.99120	0.632	NO	
9	PeCB-123	323.883	36.18	500.0	10139770	1.57500	0.616	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1328216	1.02247	0.649	NO	
11	PeCB-118/106	323.883	36.35	500.0	10574689	1.59231	0.621	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1362567	1.04891	0.632	NO	
13	PeCB-114	323.883	37.15	500.0	11181883	1.64130	0.625	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1270123	0.97775	0.646	NO	
15	PeCB-105/127	323.883	38.21	500.0	9435282	1.48573	0.621	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1336400	1.02877	0.628	NO	
17	PeCB-126	323.883	40.53	500.0	8075162	1.20849	0.619	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1486089	14860....	0.895	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1517183	1.02092	1.289	NO	
22	HxCB-167	359.841	41.88	500.0	10605261	1.39802	1.234	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1183364	0.79629	1.304	NO	
24	HxCB-156	359.841	43.46	500.0	10238996	1.73049	1.242	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1255009	0.84450	1.295	NO	
26	HxCB-157	359.841	43.85	500.0	10733652	1.71053	1.230	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1314059	0.88424	1.276	NO	
28	HxCB-169	359.841	46.08	500.0	7303533	1.11160	1.218	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	1014969	0.68298	1.046	NO	
31	HpCB-180	393.803	44.64	500.0	6752054	1.33049	1.042	NO	
32	13C-HpCB-170	405.843	46.62	100.0	827947	0.55713	1.061	NO	
33	HpCB-170	393.803	46.64	500.0	6789976	1.64019	1.040	NO	
34	13C-HpCB-189	405.843	48.50	100.0	1042716	0.70165	1.045	NO	
35	HpCB-189	393.803	48.51	500.0	6512169	1.24908	1.047	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	841659	0.56636	0.703	NO	
38	DeCB-209	495.686	53.73	500.0	5672044	1.34782	0.701	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.67	100.0	1673672	1.27084	0.628	NO	
41				0.0					
42	Function 3 PFK	380.976		0.0					
43	Function 4 PFK	380.976		0.0					
44	Function 5 PFK	480.970		0.0					

Sample List: C:\MassLynx\Default.pro\Samp\edb\16JL0910D5.SPL  
Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Unit	FV_ul
1 16JL0910D5_1	Solvent Blank C-12	SB0716	---	---	1.000000	---	1.00
2 16JL0910D5_2	CS-1 09DXN205	ST0716	---	---	1.000000	---	1.00
3 16JL0910D5_3	CS-2 09DXN206	ST0716A	---	---	1.000000	---	1.00
4 16JL0910D5_4	CS-3 09DXN207	ST0716B	---	---	1.000000	---	1.00
5 16JL0910D5_5	CS-4 09DXN208	ST0716C	---	---	1.000000	---	1.00
6 16JL0910D5_6	CS-5 09DXN209	ST0716D	---	---	1.000000	---	1.00
7 16JL0910D5_7	Solvent Blank C-12	SB0716A	---	---	1.000000	---	1.00
8 16JL0910D5_8	2nd Source 09DXN196	ST0716E	1668	---	1.000000	---	1.00
9 16JL0910D5_9	CS-3 09DXN207	ST0716F	---	---	1.000000	---	1.00
10 16JL0910D5_10	Solvent Blank C-12	SB0716B	---	---	1.000000	---	1.00
11 16JL0910D5_11	G9G020271-1MB	LF612-1-AAB	1668/SOLID	89	10.000000	g	20
12 16JL0910D5_12	G9G020271-1LCS	LF612-1-ACC	1668/SOLID	---	10.000000	g	20
13 16JL0910D5_13	G9G020271-1	LF16J-1-AC	1668/SOLID	---	10.030000	g	20
14 16JL0910D5_14	G9G020271-2	LF16K-1-AC	1668/SOLID	---	10.075000	g	20
15 16JL0910D5_15	G9G020271-3	LF16L-1-AC	1668/SOLID	---	10.450000	g	20
16 16JL0910D5_16	G9G020275-1	LF162-1-AC	1668/SOLID	---	10.195000	g	20
17 16JL0910D5_17	G9G020275-2	LF166-1-AC	1668/SOLID	---	10.225000	g	20
18 16JL0910D5_18	G9G020275-3	LF168-1-AC	1668/SOLID	---	10.205000	g	20
19 16JL0910D5_19	G9G020275-4	LF169-1-AC	1668/SOLID	---	10.085000	g	20
20 16JL0910D5_20	G9G020280-1	LF172-1-AC	1668/SOLID	---	10.265000	g	20
21 16JL0910D5_21	G9G020280-2	LF174-1-AC	1668/SOLID	---	10.340000	g	20
22 16JL0910D5_22	G9G020280-3	LF176-1-AC	1668/SOLID	---	10.040000	g	20
23 16JL0910D5_23	Solvent Blank C-12	SB0716C	---	---	1.000000	---	1.00

*reviewed  
by  
ms  
7/17/09*

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Samplesdb\16JL0910D5.SPL  
 Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
 Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page 2 of 3

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:2	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	1	2	100	100
Tray1:3	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	5	10	100	100
Tray1:4	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:5	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	200	400	100	100
Tray1:6	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	500	1000	100	100
Tray1:7	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:10	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:11	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:16	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA, A11 07-16-09	1668M10D5	1668M10D5	---	---	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampled\16JL0910D5.SPL  
Last Modified: Thursday, July 16, 2009 21:10 20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 21:10 32 Pacific Daylight Time

Page 3 of 3

Page Position (3, 1)

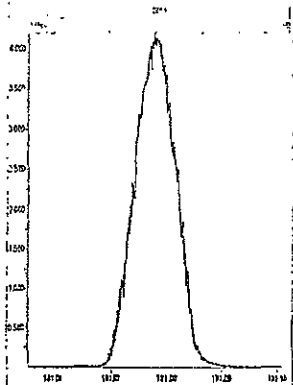
Conc E	Conc F	Conc G	Conc H
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100	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
---	---	---	---
2000	---	---	---
100	---	---	---
---	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
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2000	---	---	---
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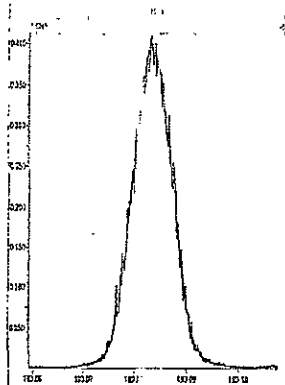
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, July 16, 2009 11:39:37 Pacific Daylight Time

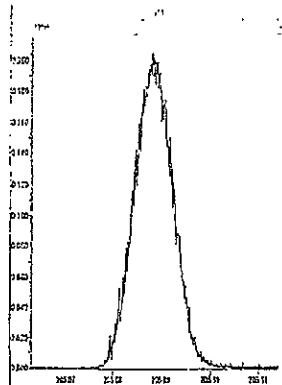
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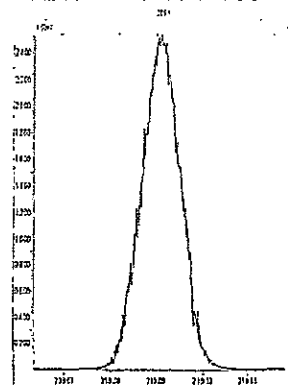
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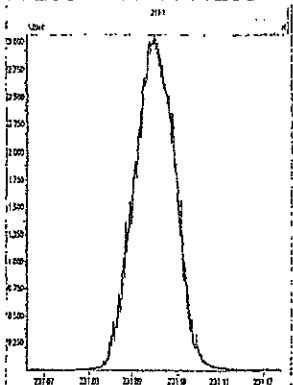
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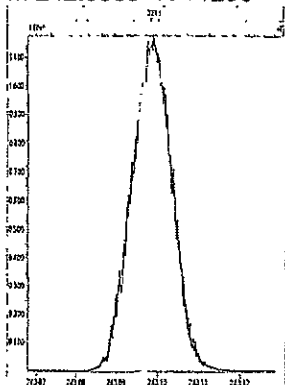
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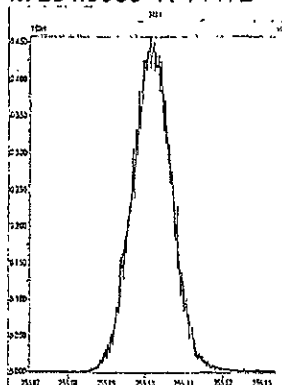
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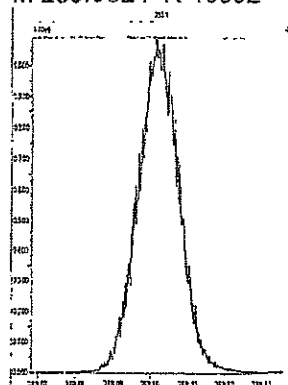
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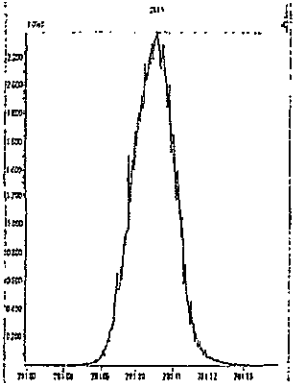
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M 268.9824 R 10692



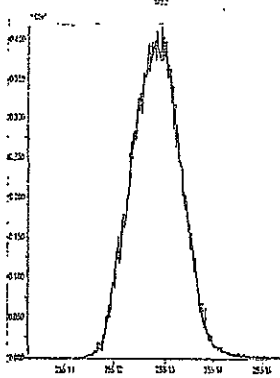
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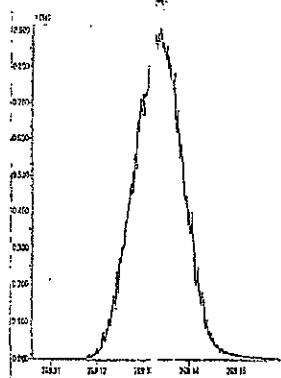
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Printed: Thursday, July 16, 2003 11:40:41 Pacific Daylight Time

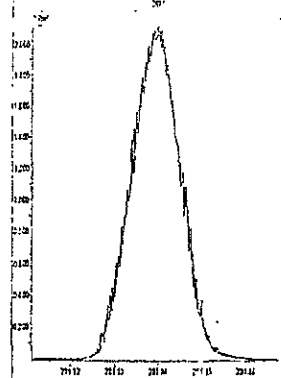
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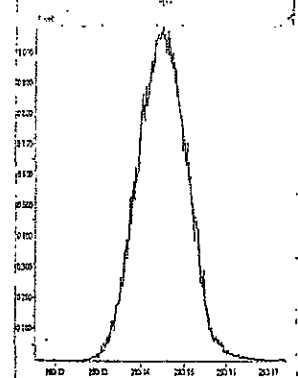
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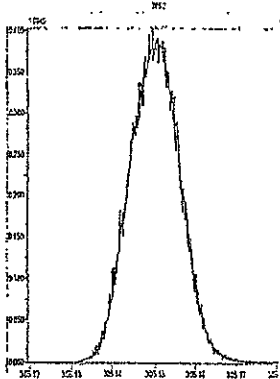
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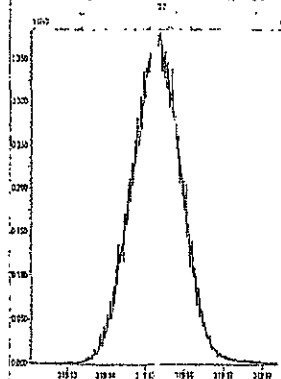
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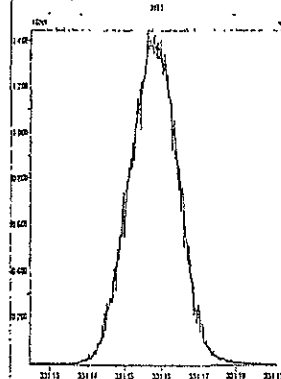
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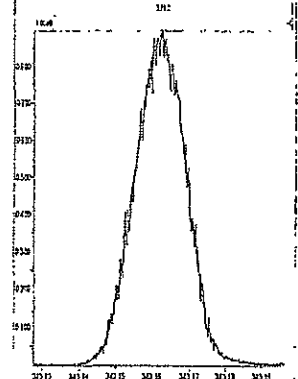
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M 330.9792 R 11063



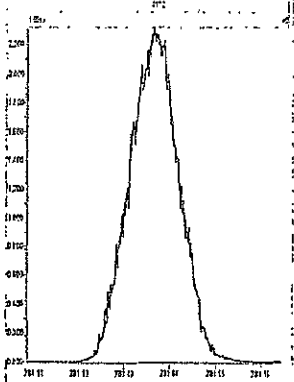
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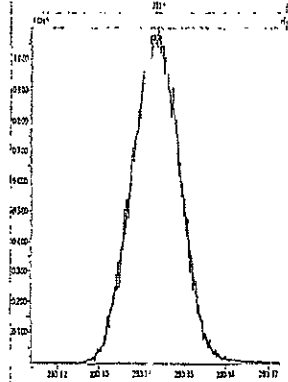
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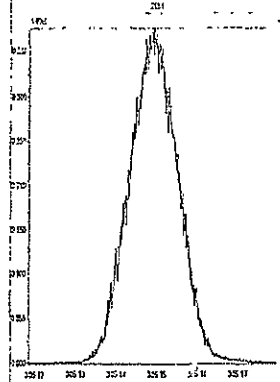
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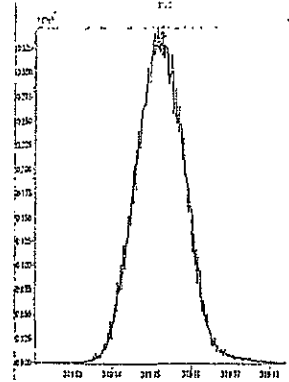
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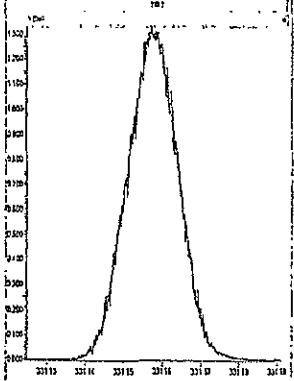
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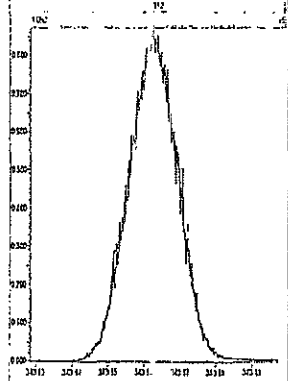
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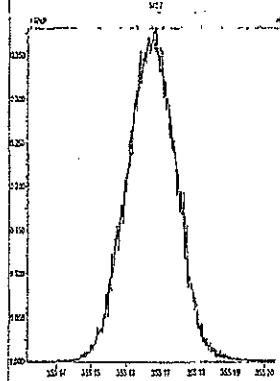
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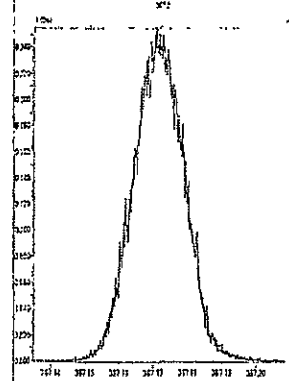
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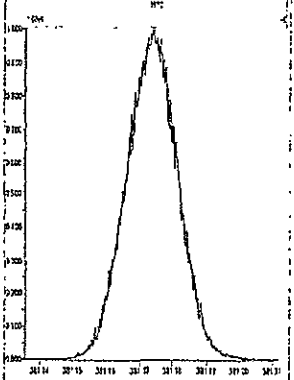
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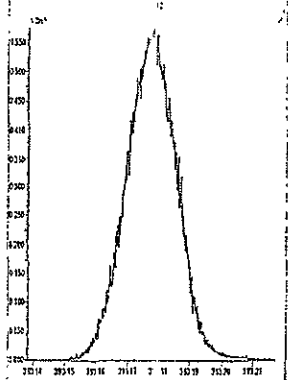
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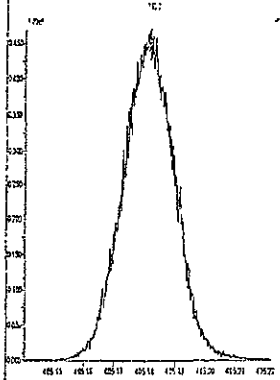
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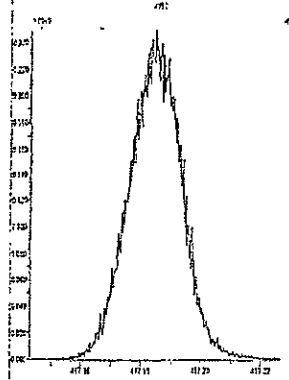
M 392.9760 R 10592



M 404.9760 R 10505



M 416.9760 R 10729

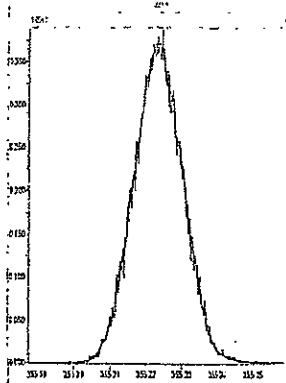




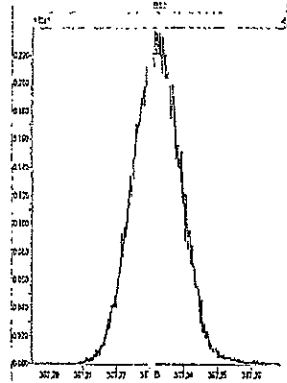
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Printed: Thursday, July 16, 2009 11:42:47 Pacific Daylight Time

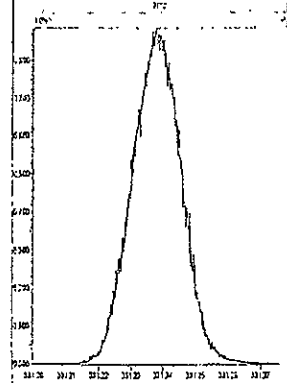
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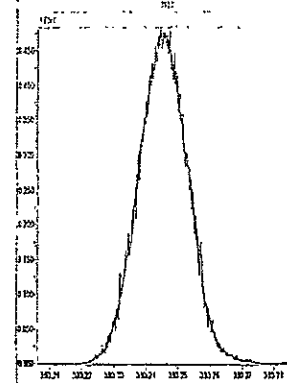
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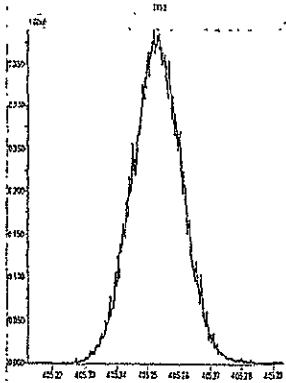
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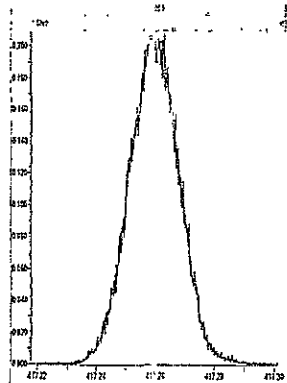
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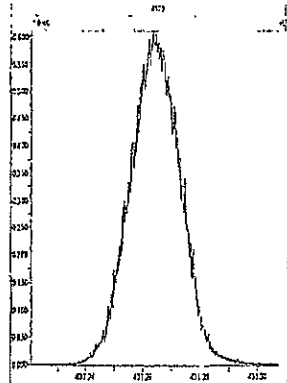
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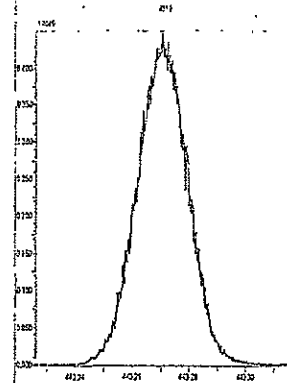
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M 430.9728 R 10918



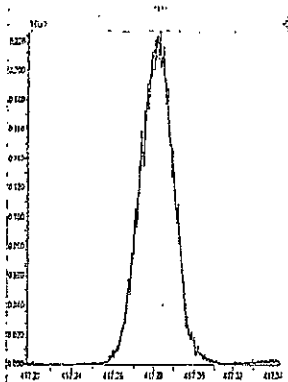
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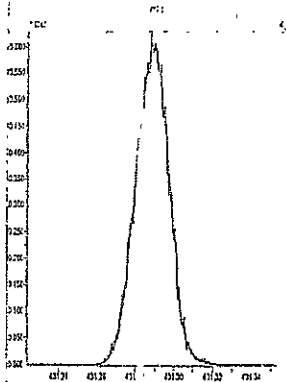
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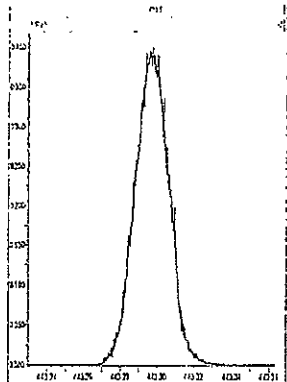
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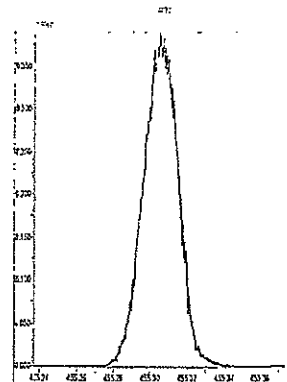
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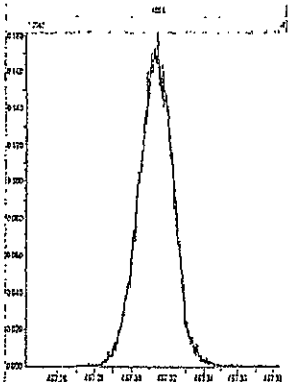
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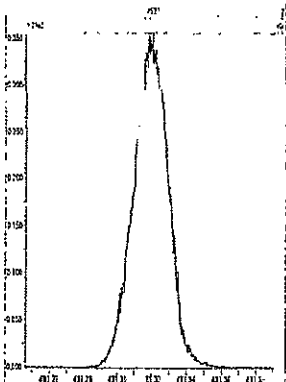
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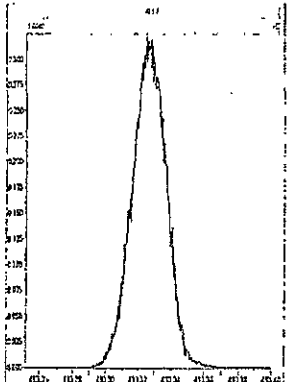
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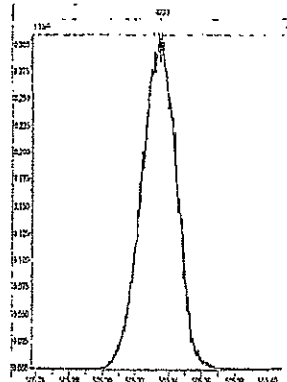
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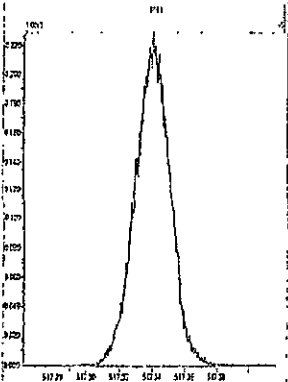
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M 504.9696 R 10617



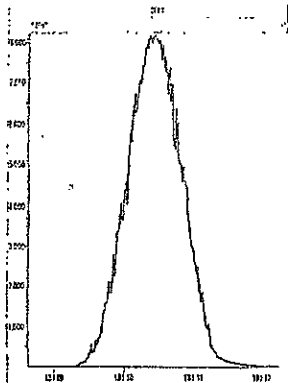
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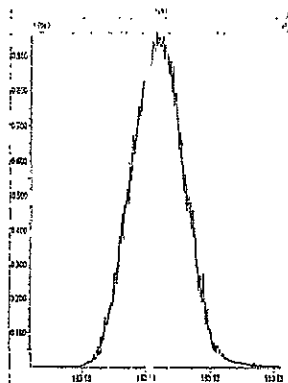
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Printed: Thursday, July 16, 2009 20:24:50 Pacific Daylight Time

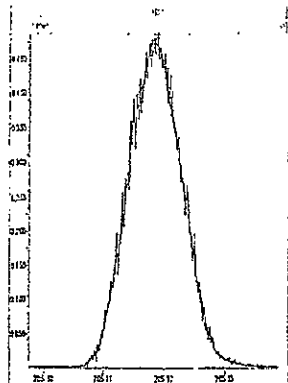
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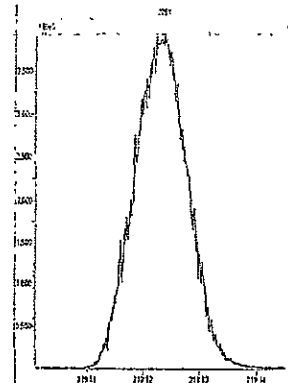
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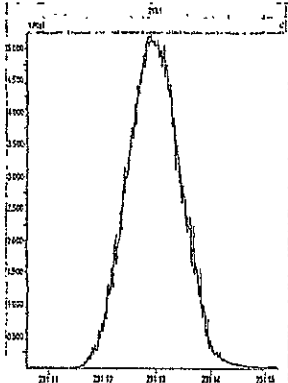
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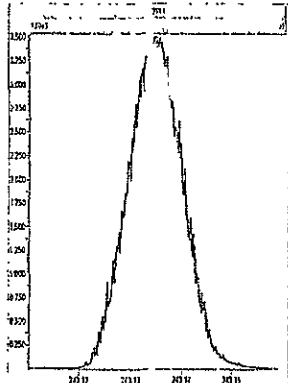
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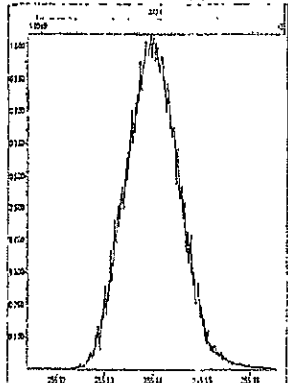
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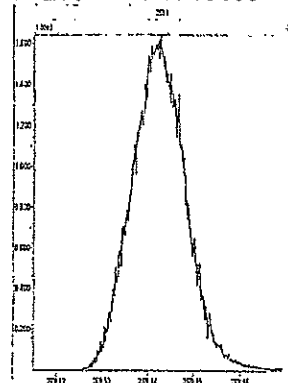
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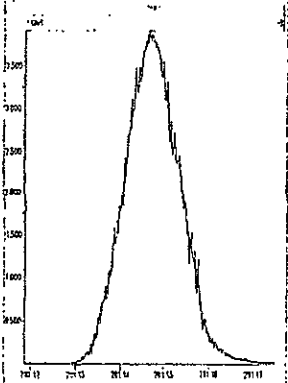
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M 268.9824 R 10039



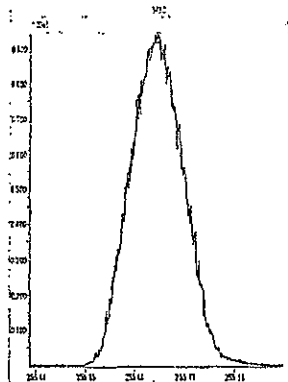
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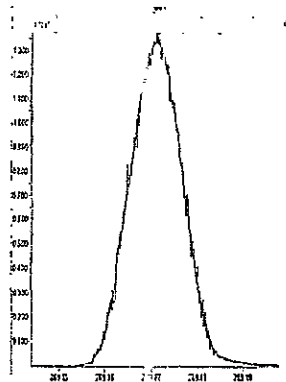
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Printed: Thursday, July 16, 2009 20:26:23 Pacific Daylight Time

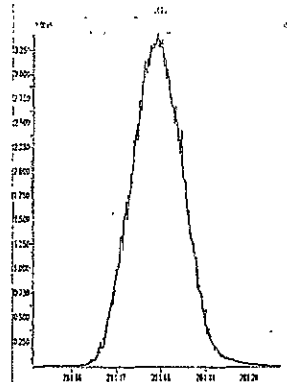
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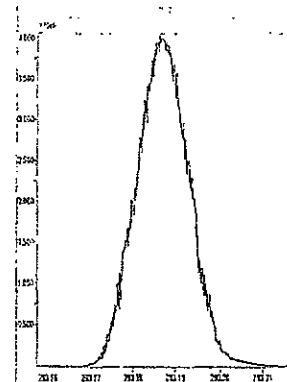
M 268.9824 R 10965



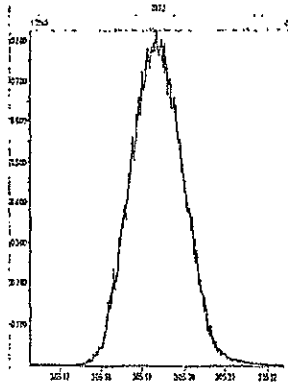
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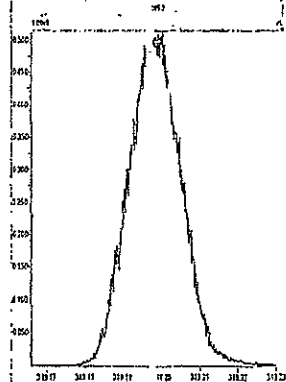
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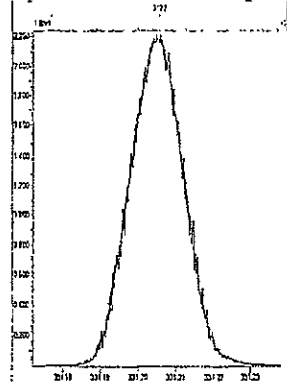
M 304.9824 R 10724



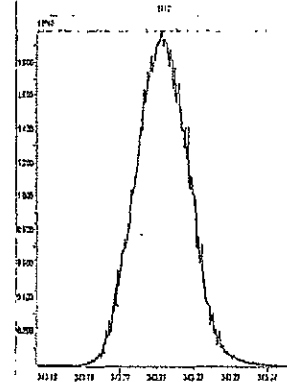
M 318.9792 R 10592



M 330.9792 R 10872



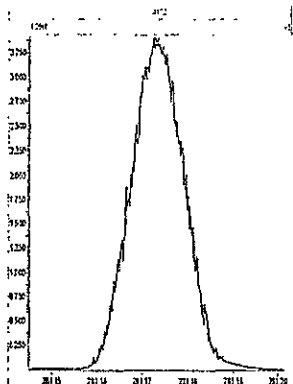
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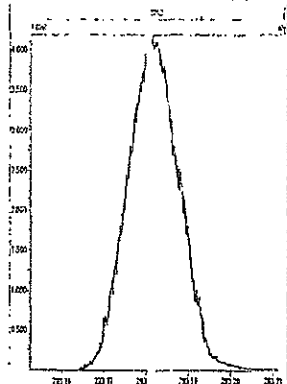
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Printed: Thursday, July 16, 2009 20:32:05 Pacific Daylight Time

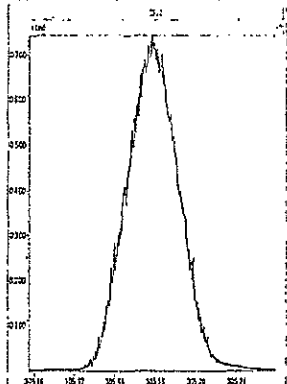
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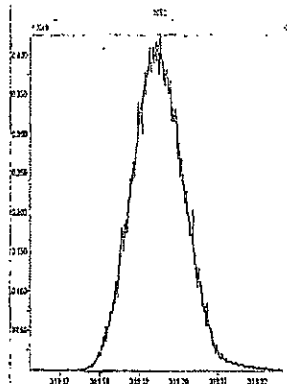
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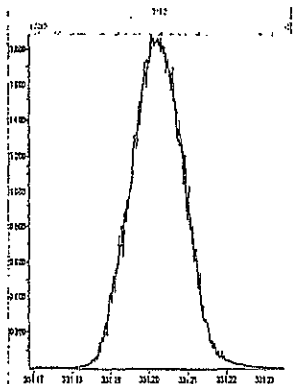
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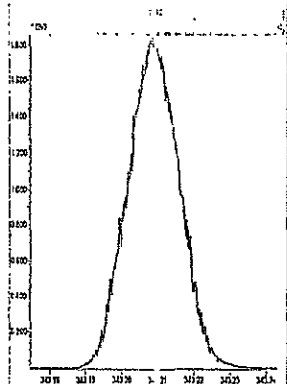
M 318.9792 R 10637



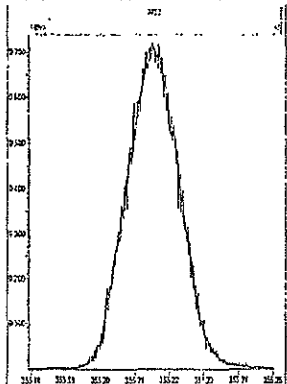
M 330.9792 R 10681



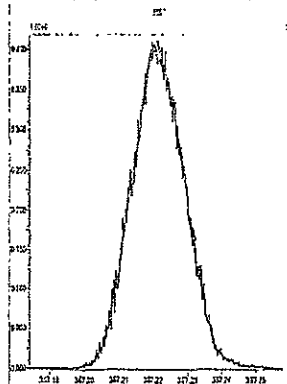
M 342.9792 R 10639



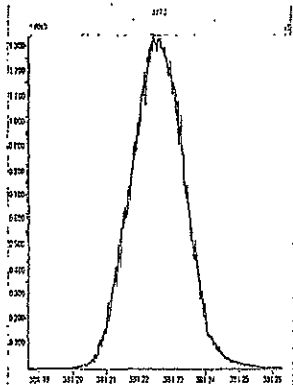
M 354.9792 R 10464



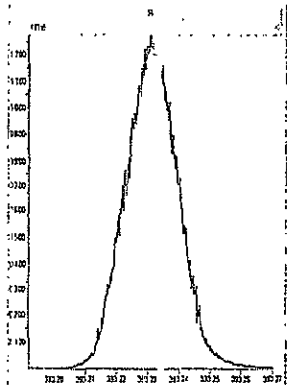
M 366.9792 R 10867



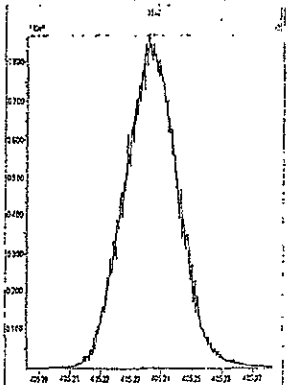
M 380.9760 R 10328



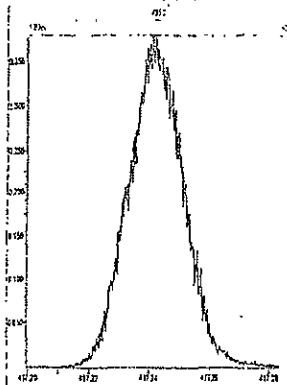
M 392.9760 R 10330



M 404.9760 R 10124



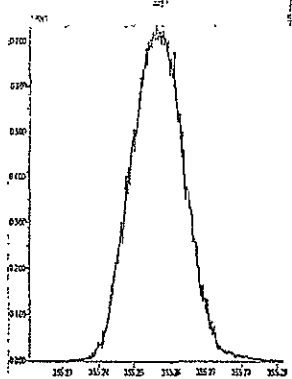
M 416.9760 R 10243



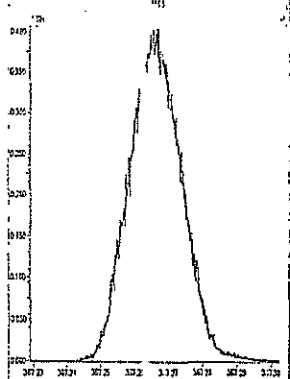
File: Experiment: 1668M10105.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, July 16, 2009 20:33:29 Pacific Daylight Time

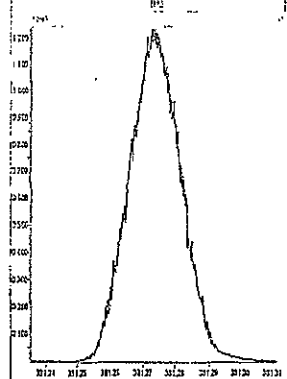
M 354.9792 R 11062



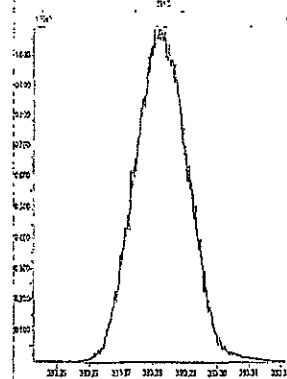
M 366.9792 R 10869



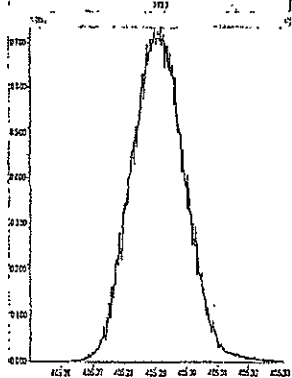
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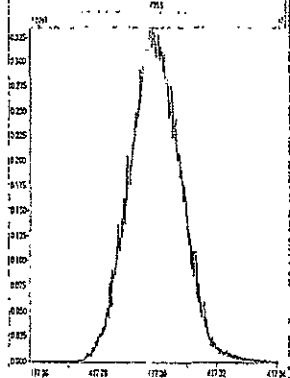
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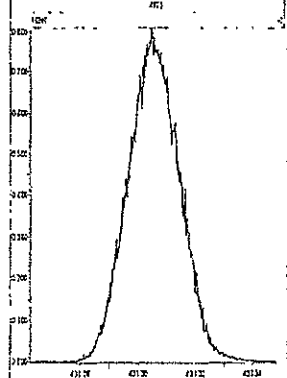
M 404.9760 R 10548



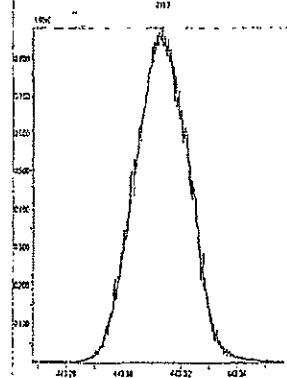
M 416.9760 R 10728



M 430.9728 R 10415



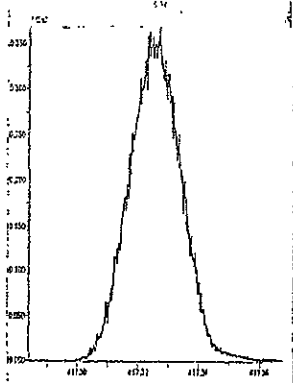
M 442.9728 R 10639



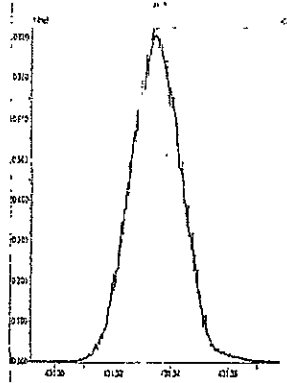
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, July 16, 2009 20:34:38 Pacific Daylight Time

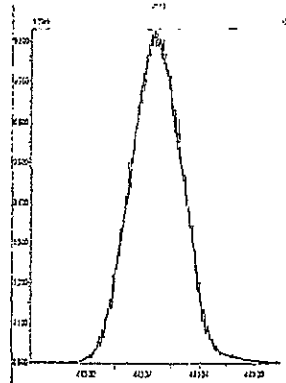
M 416.9760 R 10822



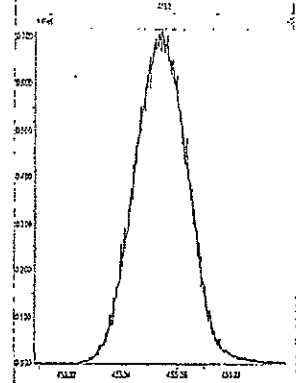
M 430.9720 R 10728



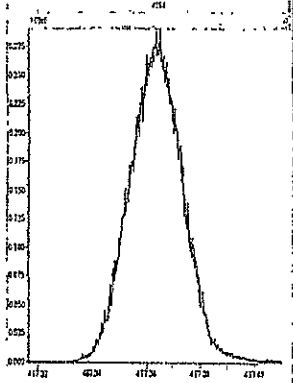
M 442.9728 R 10918



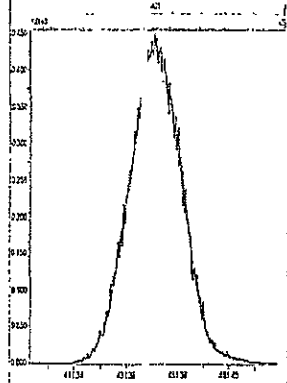
M 454.9728 R 10460



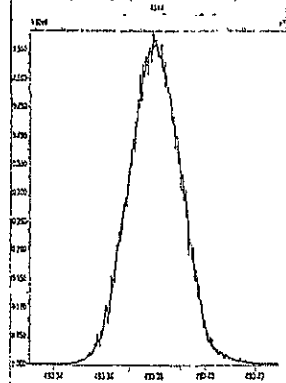
M 466.9728 R 10416



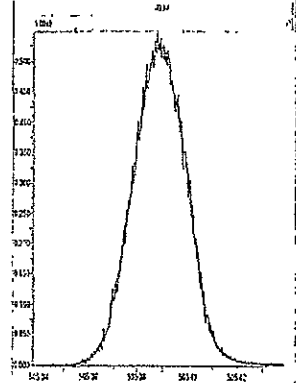
M 480.9696 R 10415



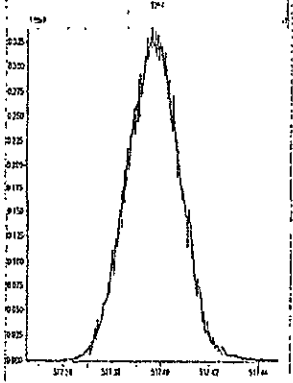
M 492.9696 R 10458



M 504.9696 R 10638



M 516.9697 R 10206



Quantity Sample Report      MassLynx 4.1

Dataset:      C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qid

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Method: C:\MassLynx\Default\prol\Methodb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19  
Calibration: C:\MassLynx\Default\prol\Curve\CA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

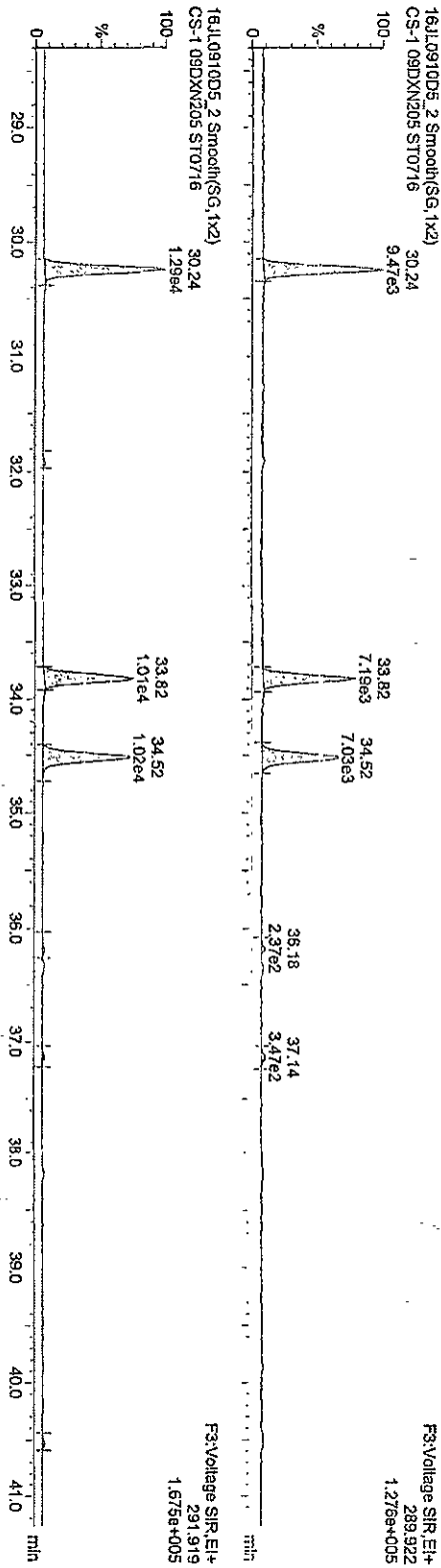


Dataset: C:\MassLynx\Default\prof\CA0716200910D51668MS\SLDEC.qld

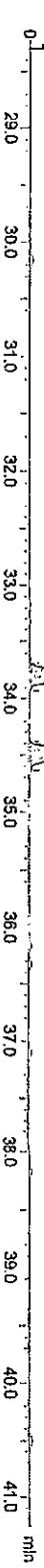
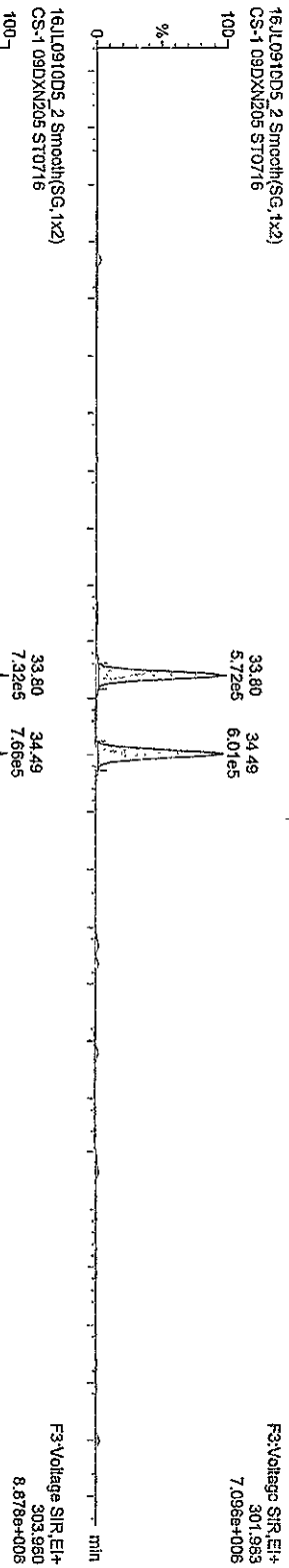
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16-Jul-0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1-09DXN205

TetraPCBs



13C-TetraPCBs

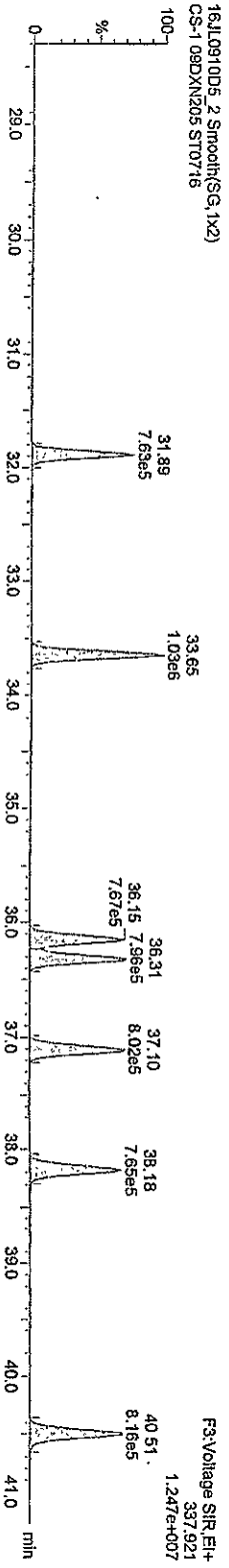
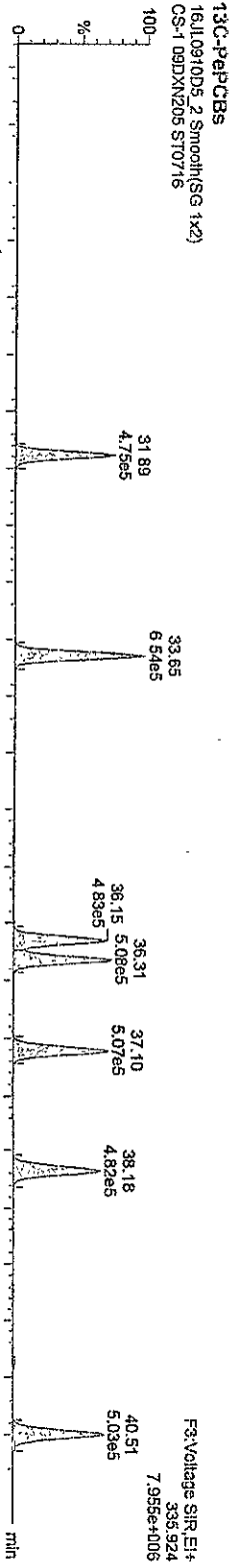
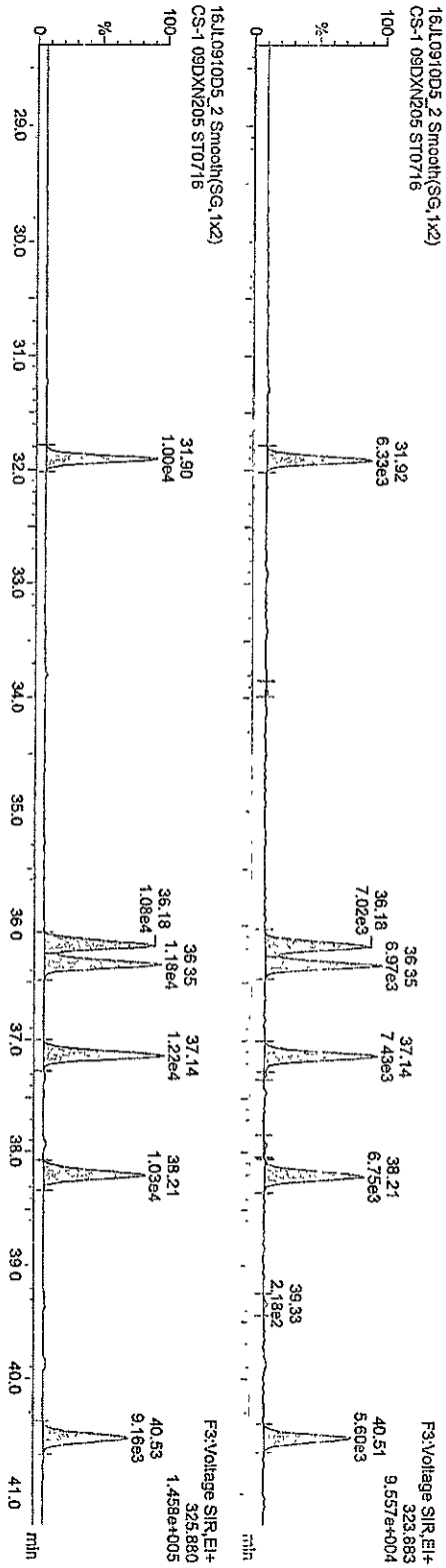


Dataset: C:\MassLynx\Default\pro\CA0716200910D51668H\SLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

PePCBS

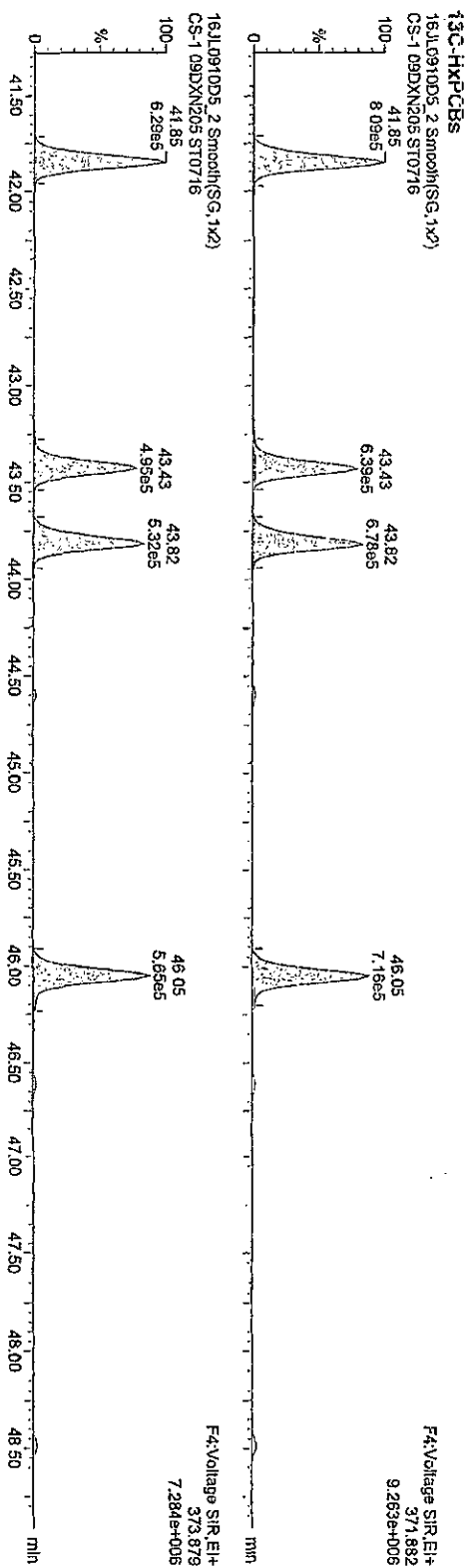
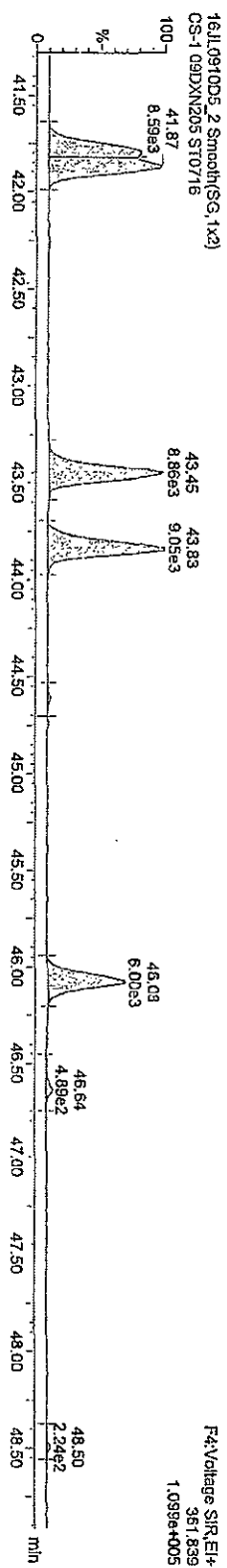
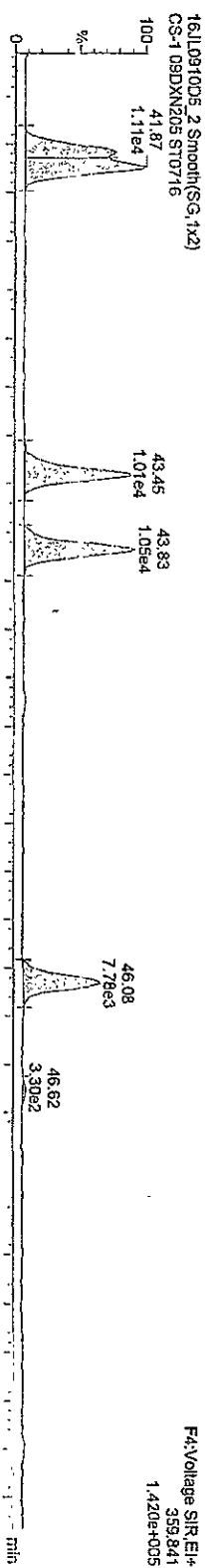


Dataset: C:\Masslynx\Default\prol\CA0716200910D51668M\SLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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HPCBs-



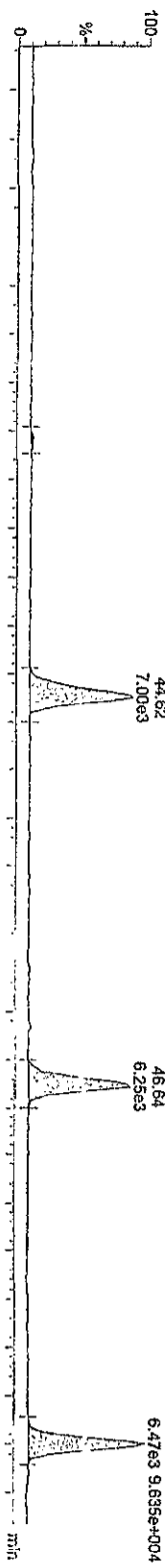
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

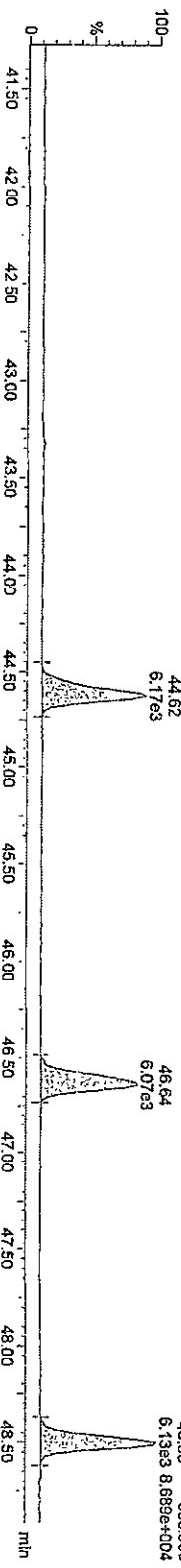
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HPPCBs

16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1-09DXN205 ST0716

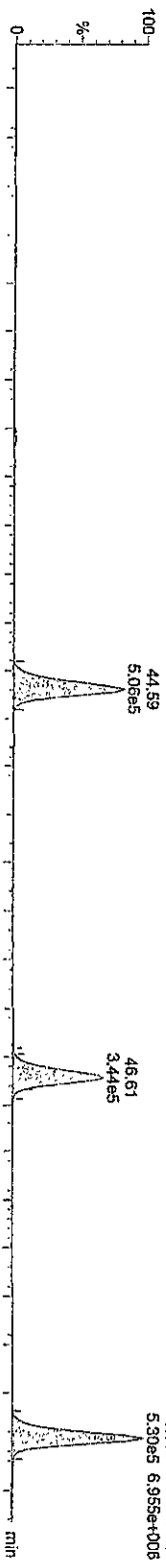


16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1-09DXN205 ST0716

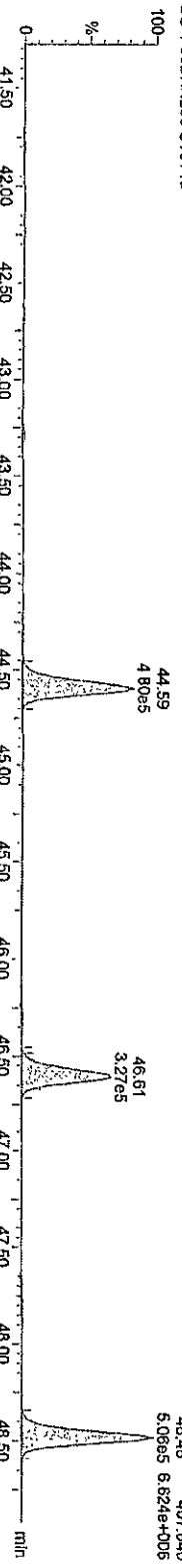


13C-HPPCBs

16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1-09DXN205 ST0716



16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1-09DXN205 ST0716

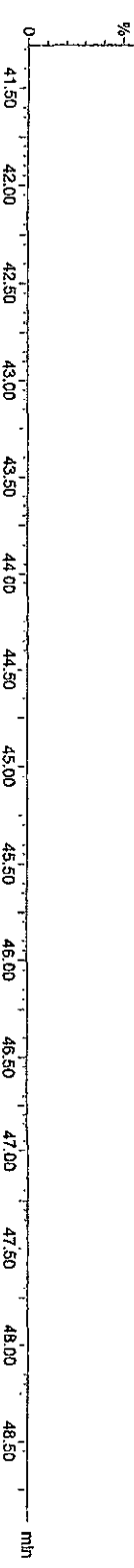
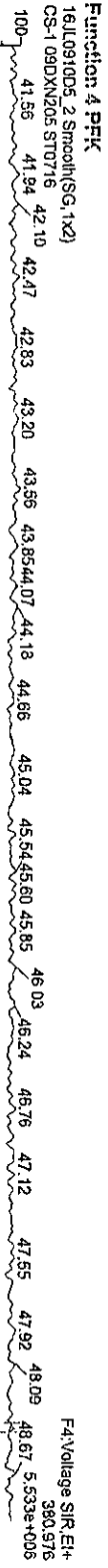
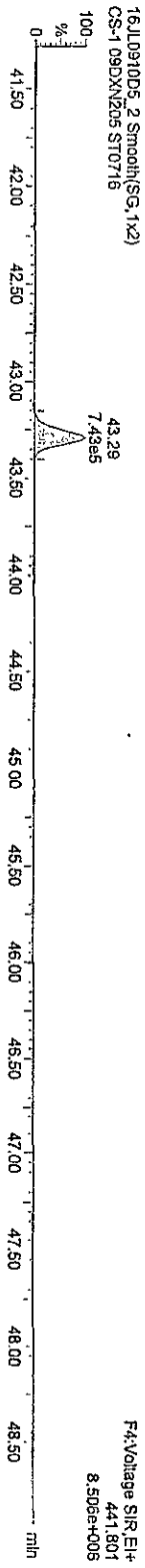
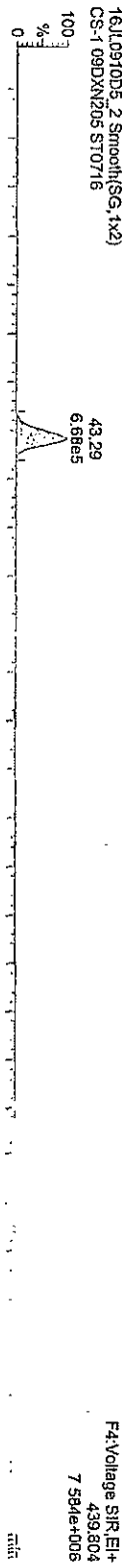


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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

13C-OcCB-202  
16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



Dataset: C:\Masslynx\Default\prof\CA0716200910D51668MSLDEC.qld

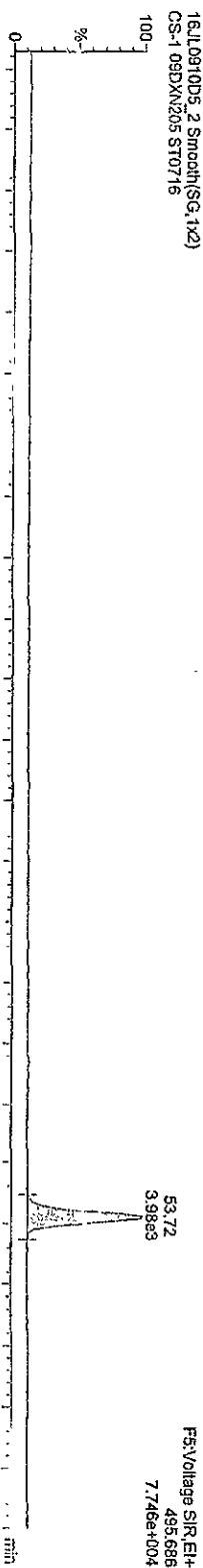
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

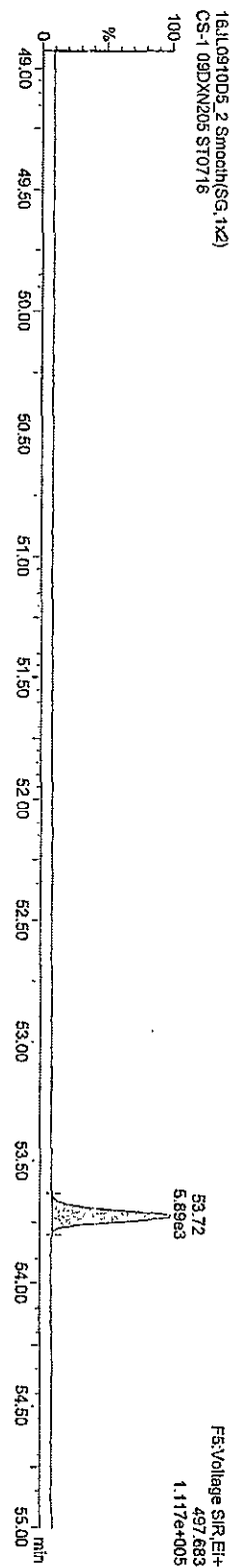
DecB-209

16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



F5:Voltage SIR\_EI+  
485.686  
7.746e+004

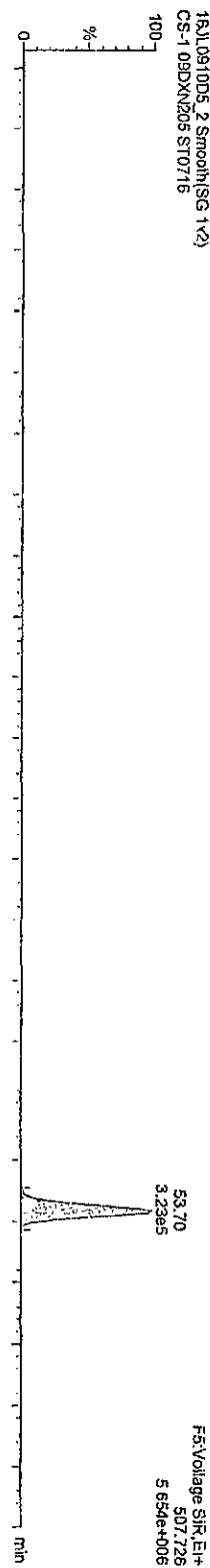
16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



F5:Voltage SIR\_EI+  
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1.117e+005

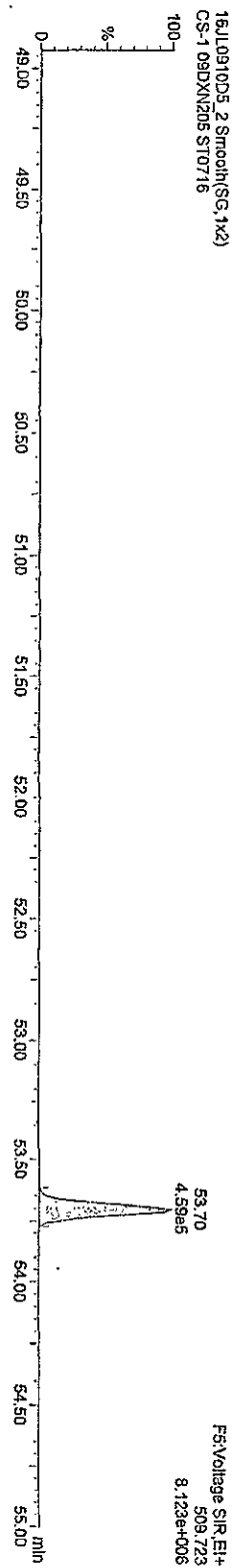
13C-DecB-209

16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



F5:Voltage SIR\_EI+  
507.726  
5.654e+006

16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



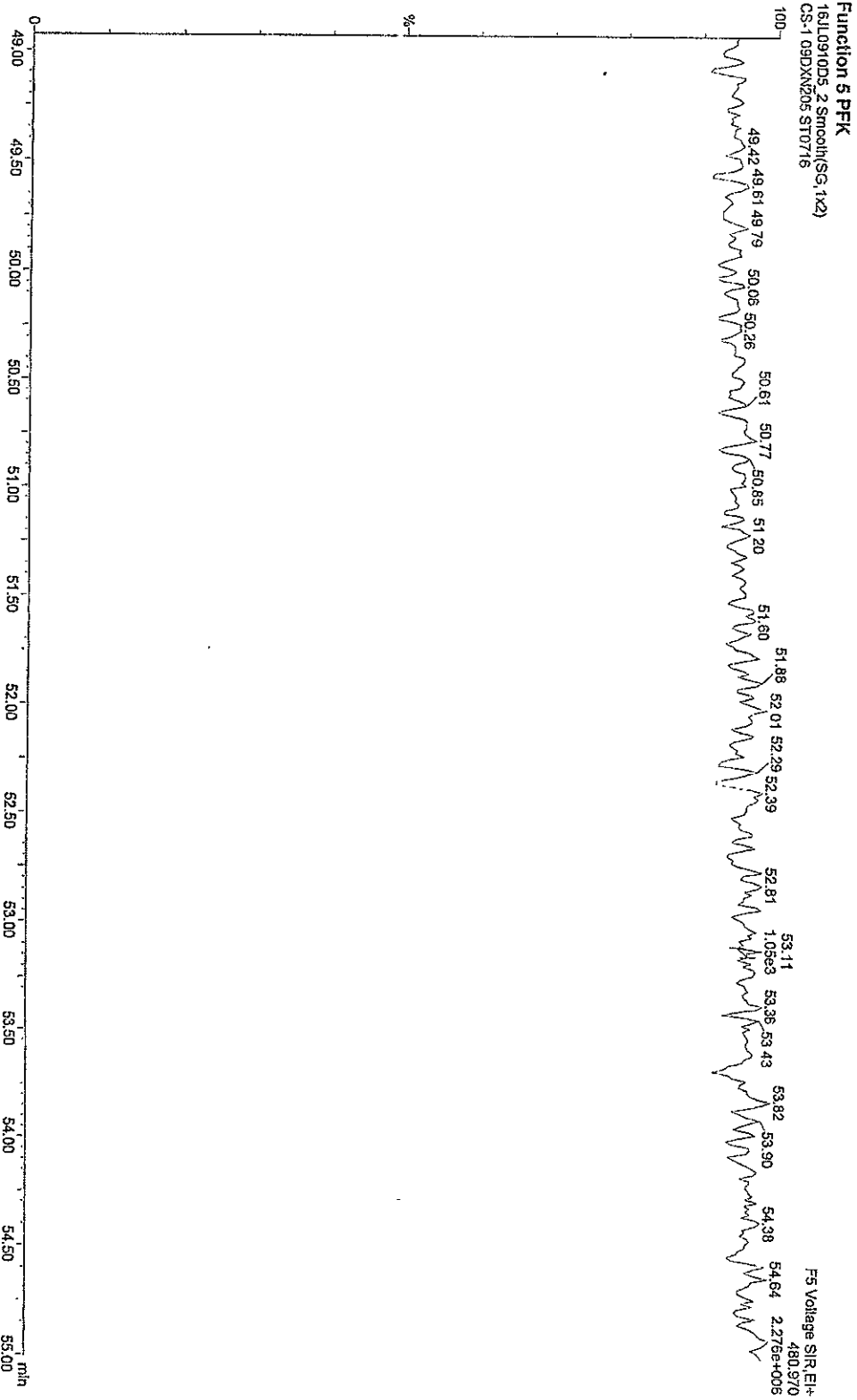
F5:Voltage SIR\_EI+  
509.723  
8.123e+006

Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-JUL-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205



Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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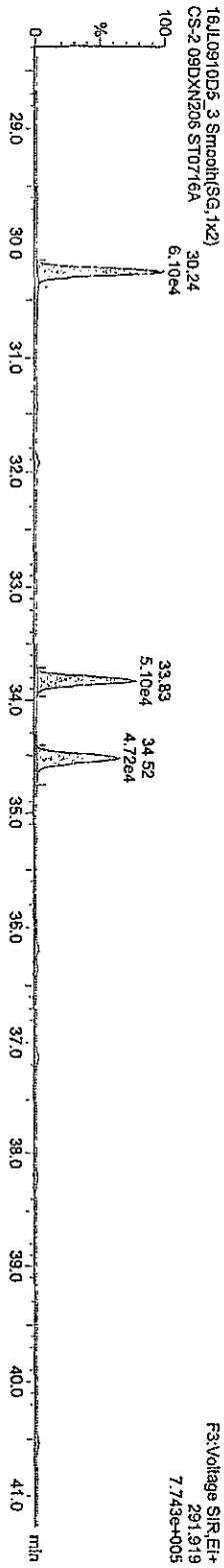
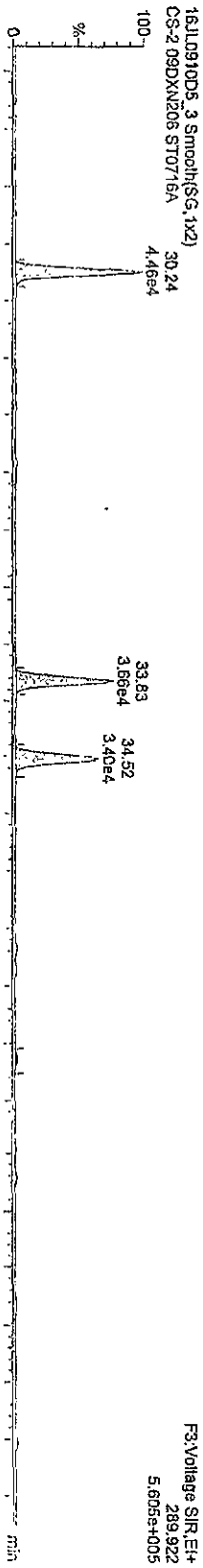


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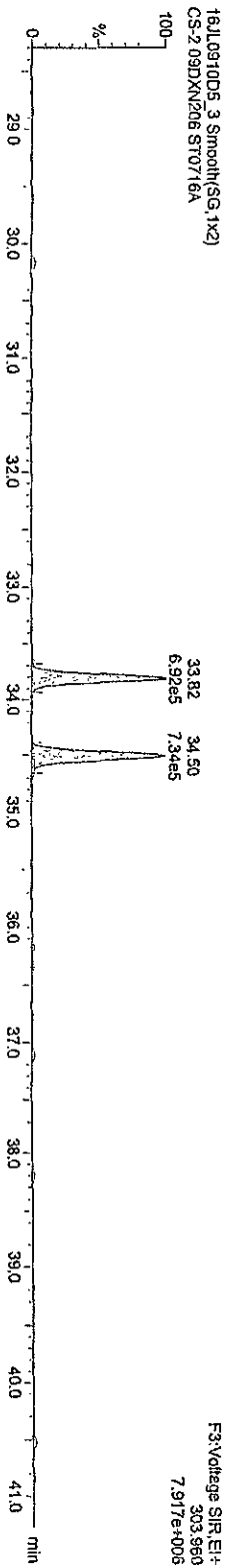
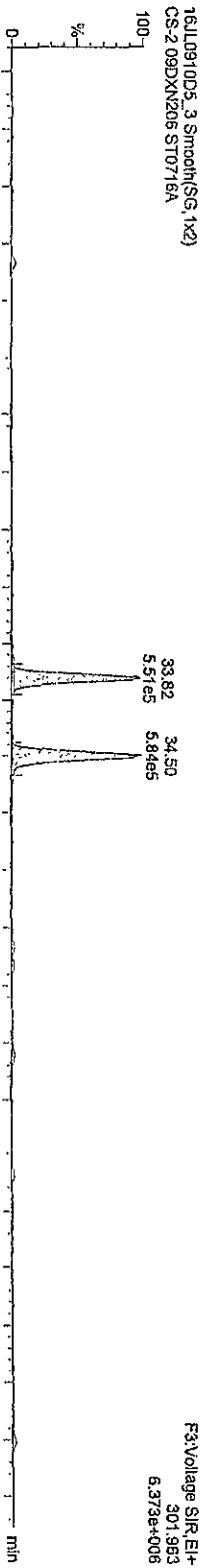
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3; Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

TetraPCBs



1,3-C-TetraPCBs



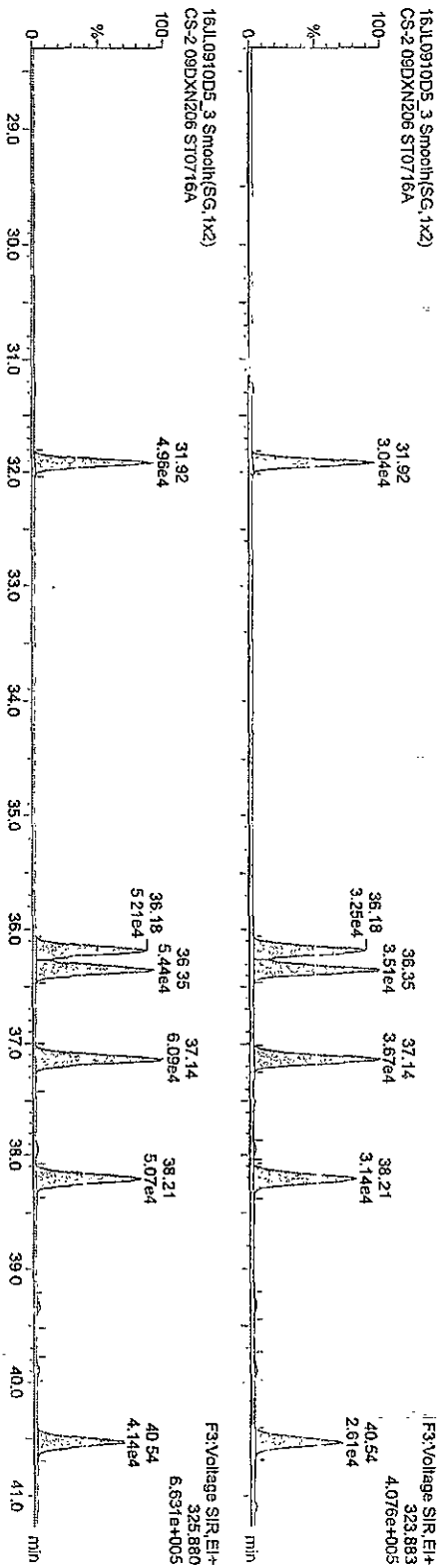
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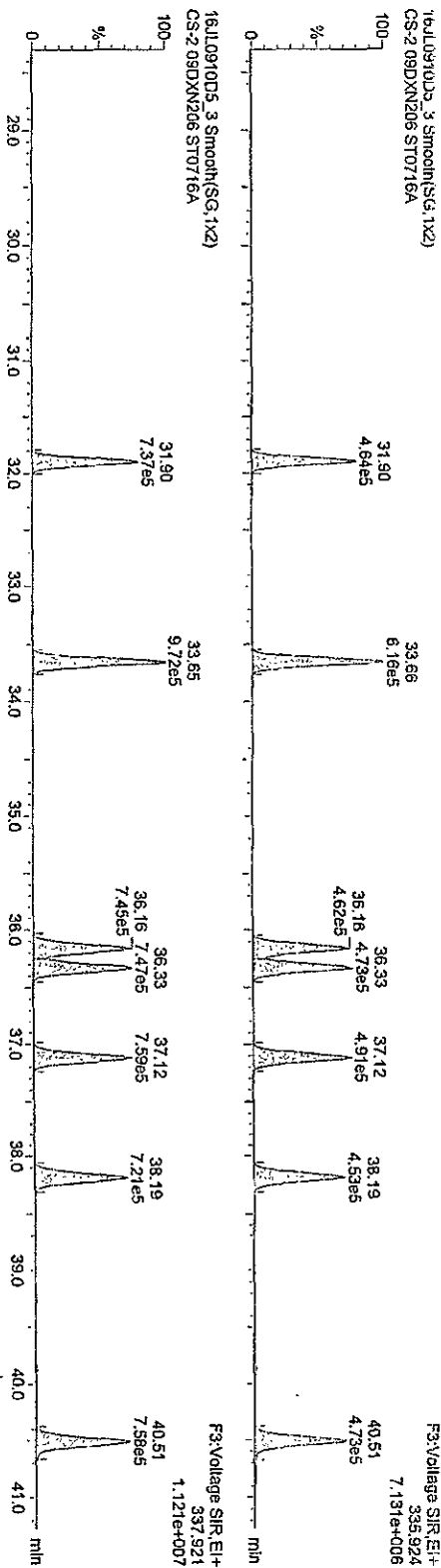
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

PePCBs



13C-PCBs

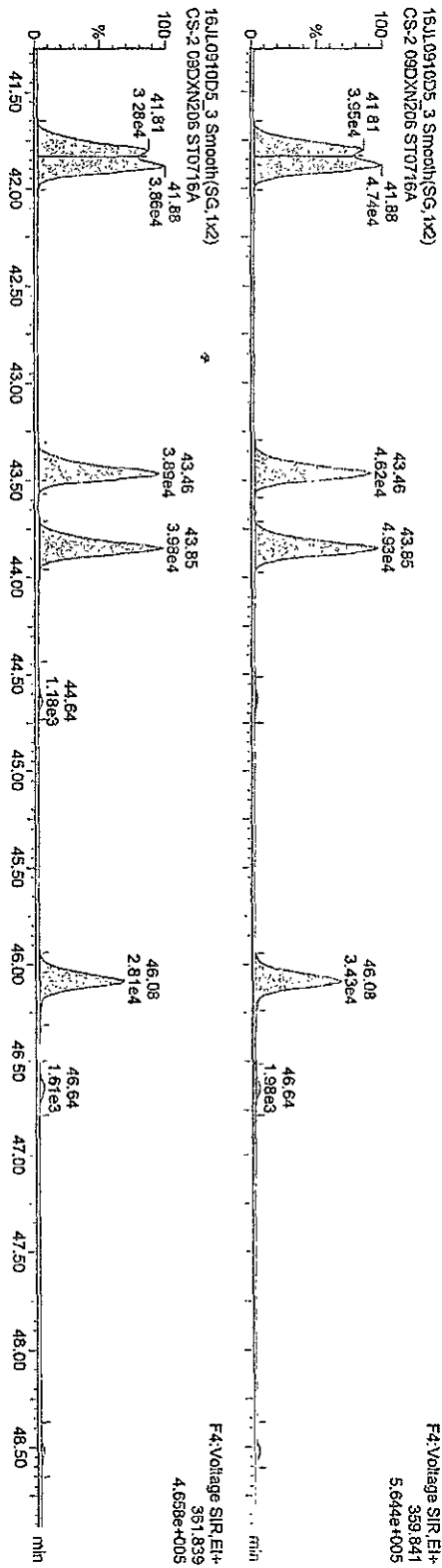


Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qtd

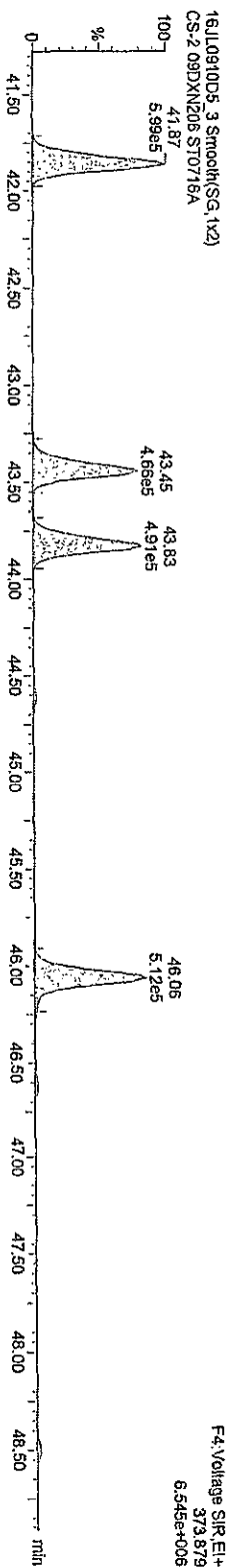
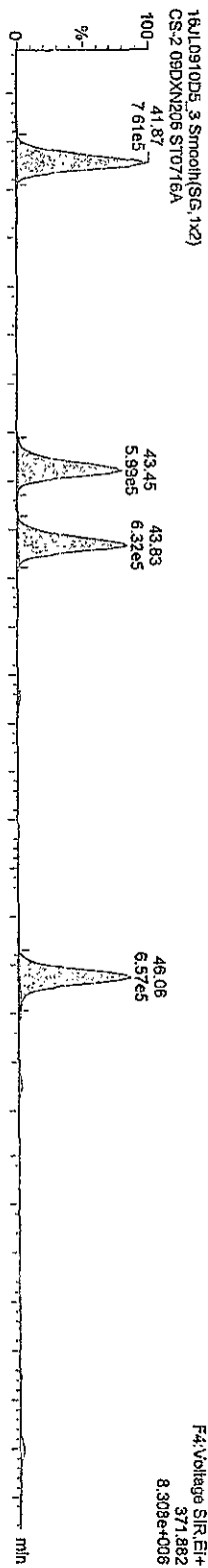
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

HxPCBs-



13C-HxPCBs



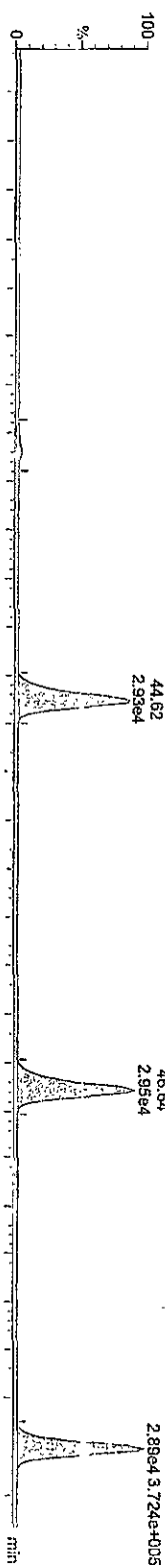
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

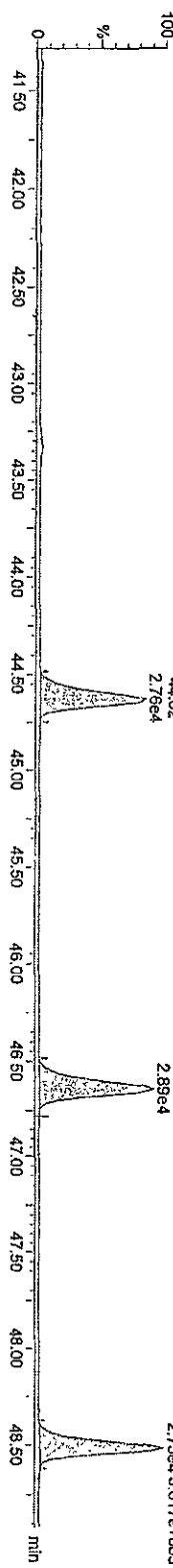
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HPPCBs

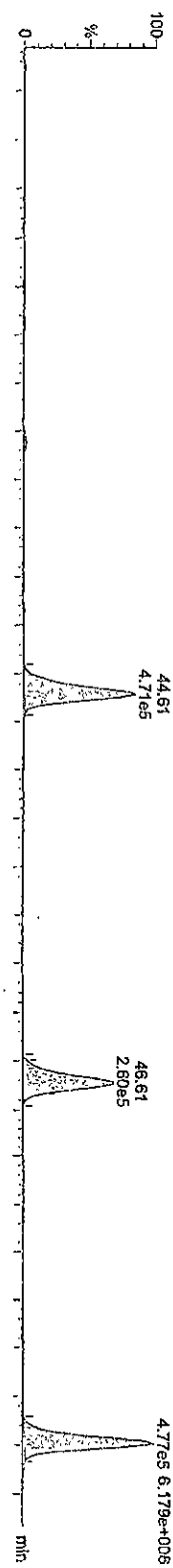
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CS-2-09DXN206 ST0716A



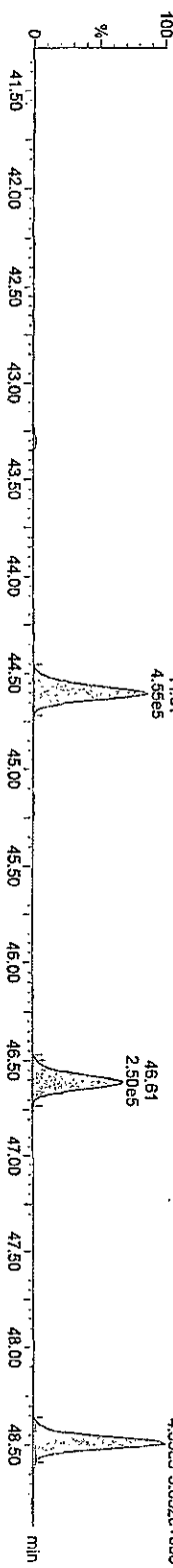
16-Jul-0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A



16-Jul-0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A



16-Jul-0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A

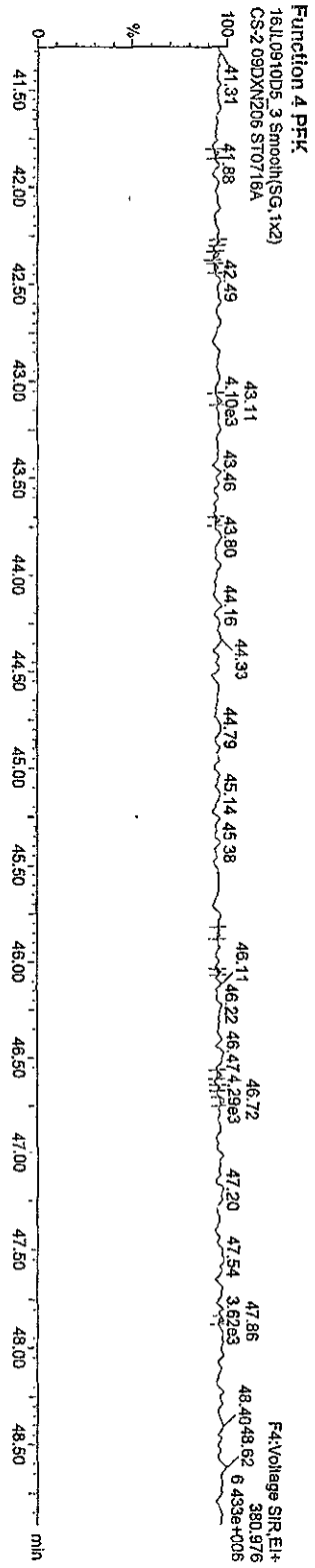
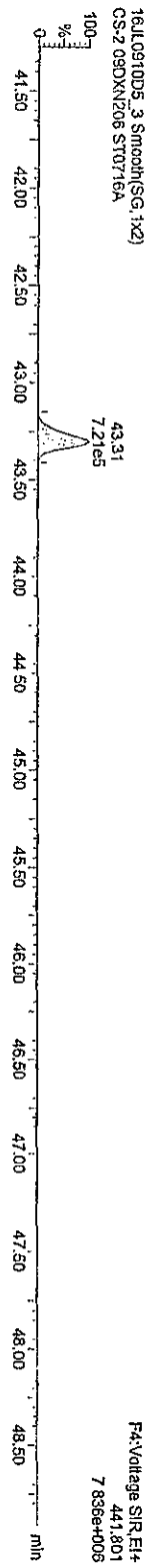
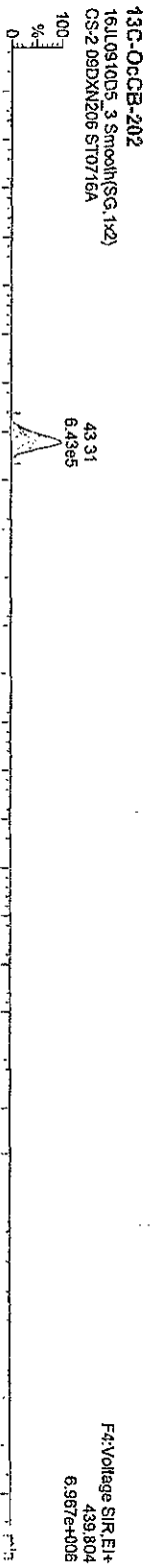


16-Jul-0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A

Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206



Dataset: C:\Masslynx\Default\proh\CA0716200910D51668MSLDEC.qld

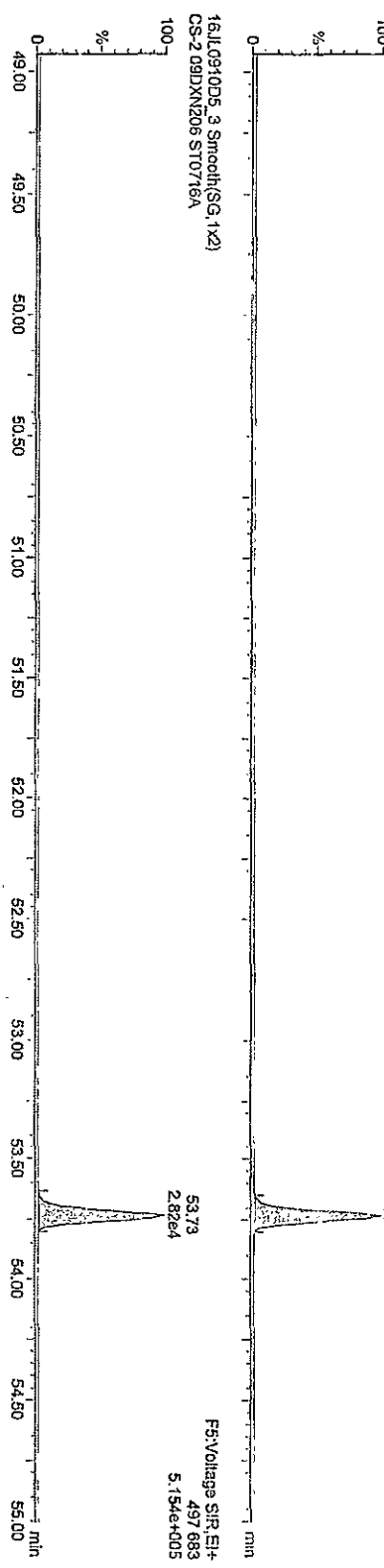
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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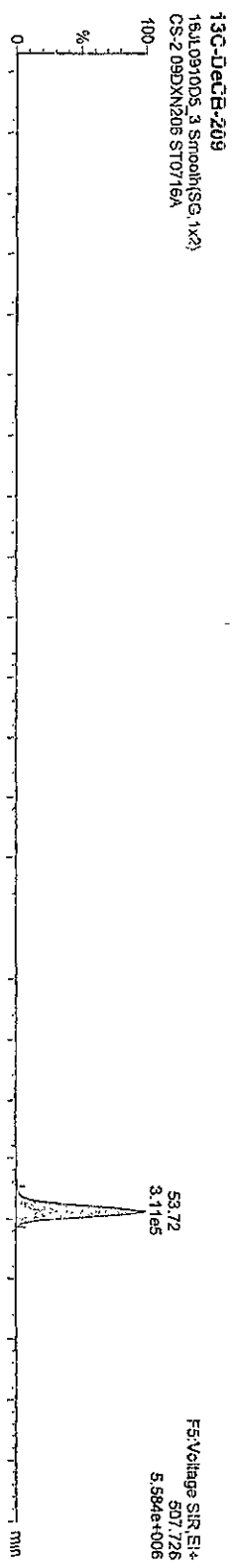
DecB-209

16JL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A

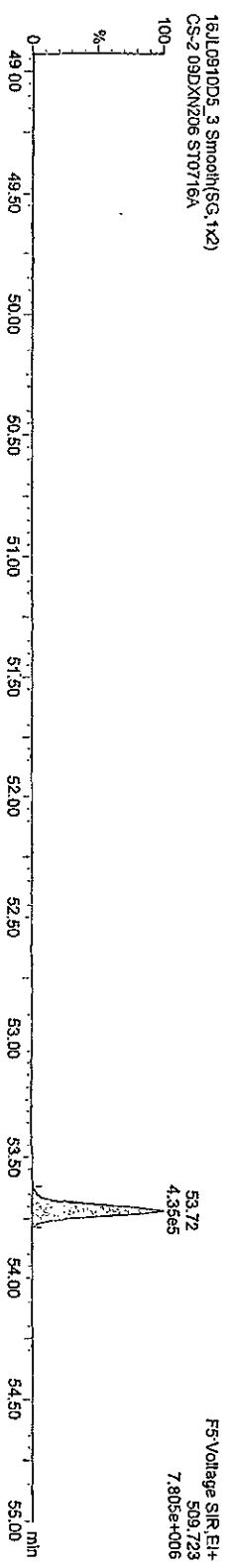


13C-DecB-209

16JL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A



16JL0910D5\_3 Smooth(SG, 1x2)  
CS-2 09DXN206 ST0716A

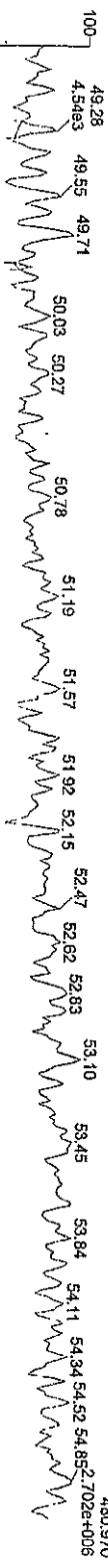


Dataset: C:\Masslynx\Default\proj\GA0716200910D51668MSLDEC.qld

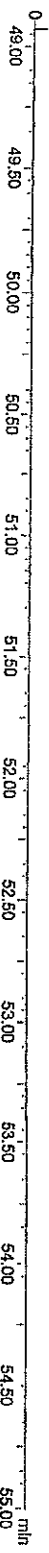
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16-Jul-0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

Function 5 PFK  
16-Jul-0910D5\_3 Smooth(SG,1x2)  
CS-2 09DXN206 ST0716A



F5:Voltage SIR.EI+  
480.970



Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

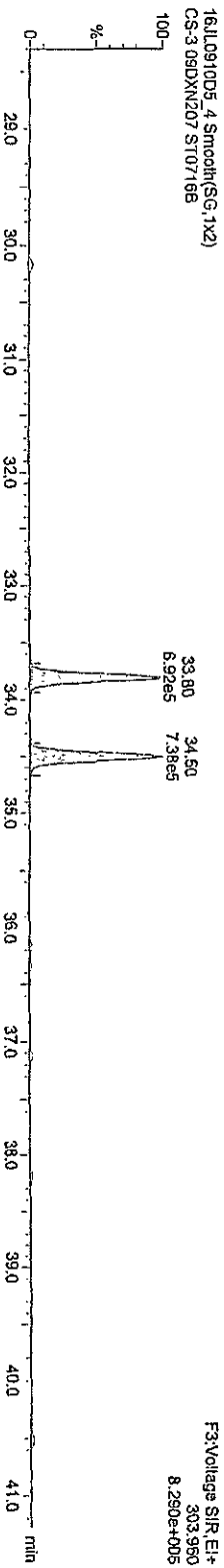
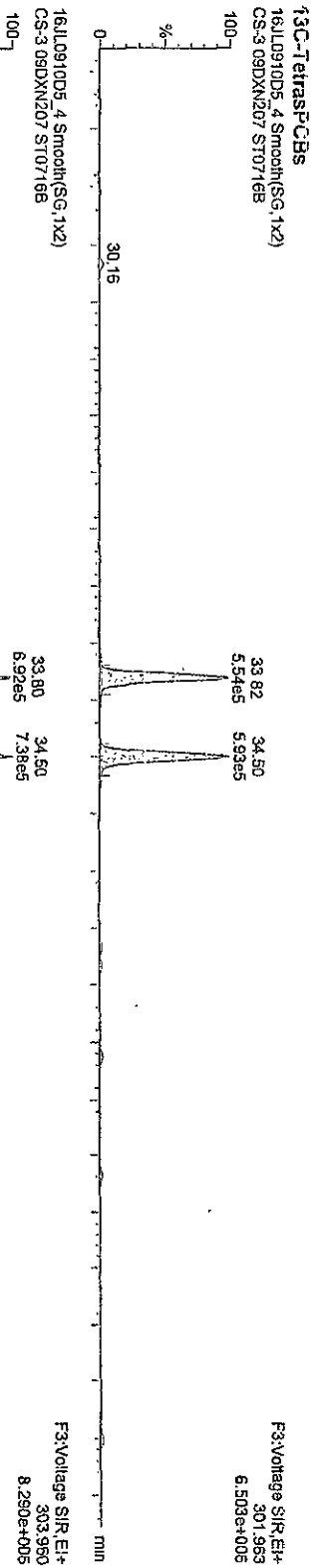
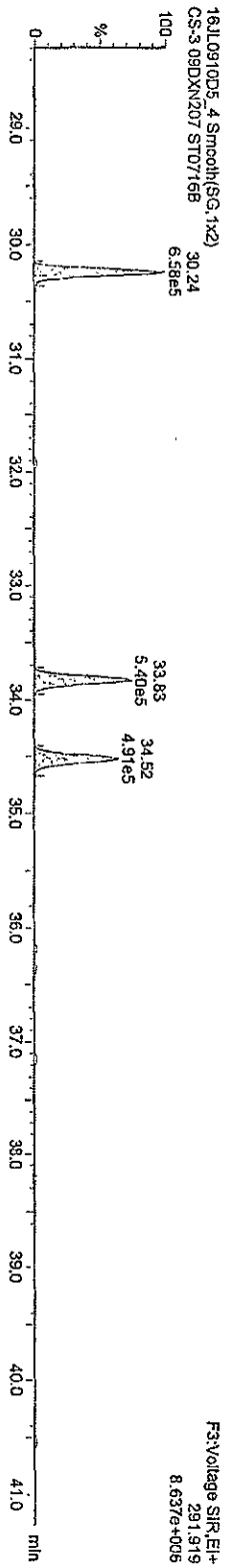
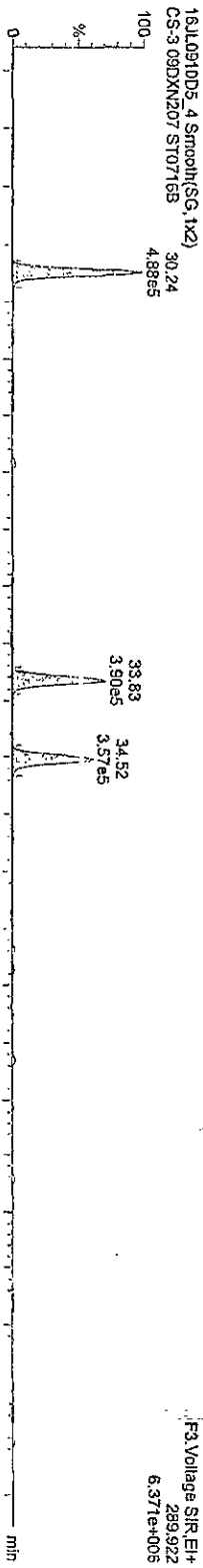


Dataset: C:\MassLynx\Default\prof\CA0716200910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

TetraPCBs

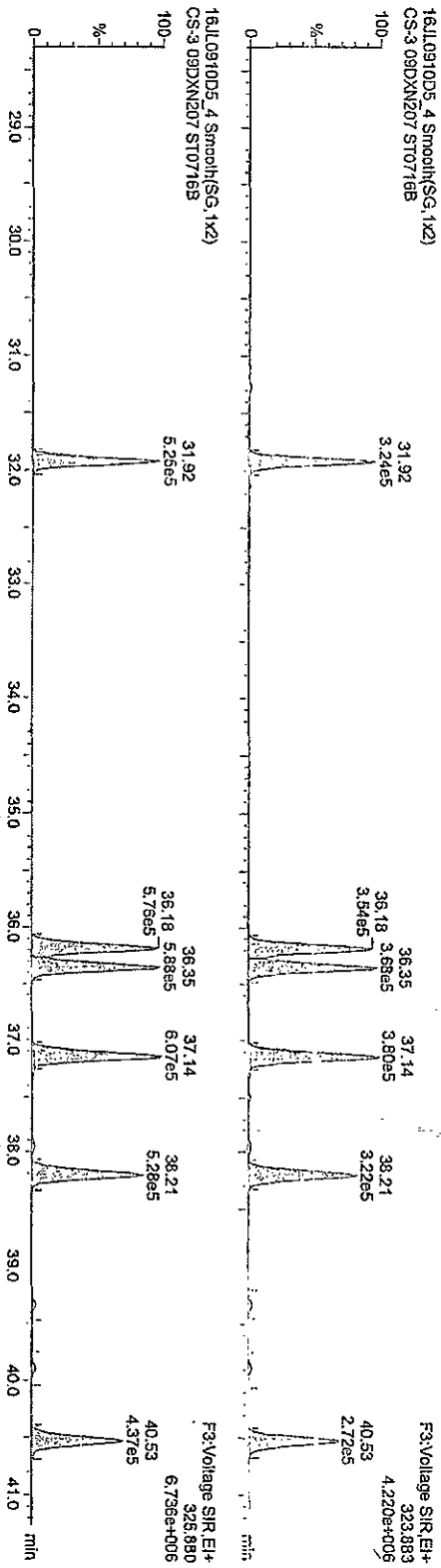


Dataset: C:\MassLynx\Default\roll\CA0716200910D51668MSLDEC.qld

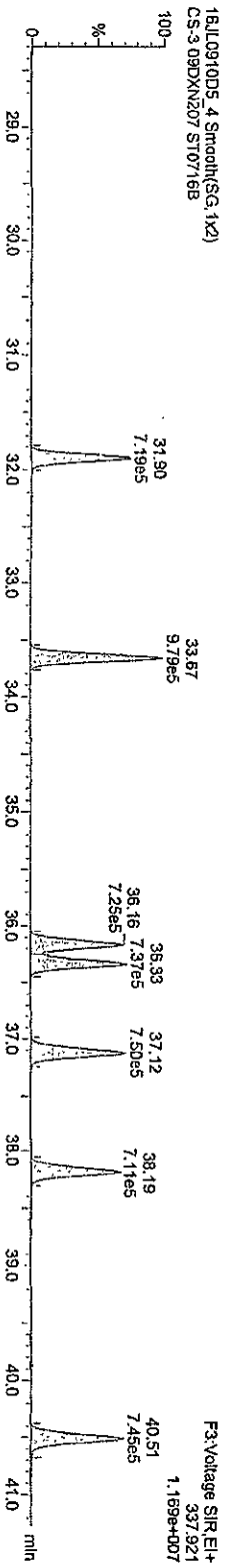
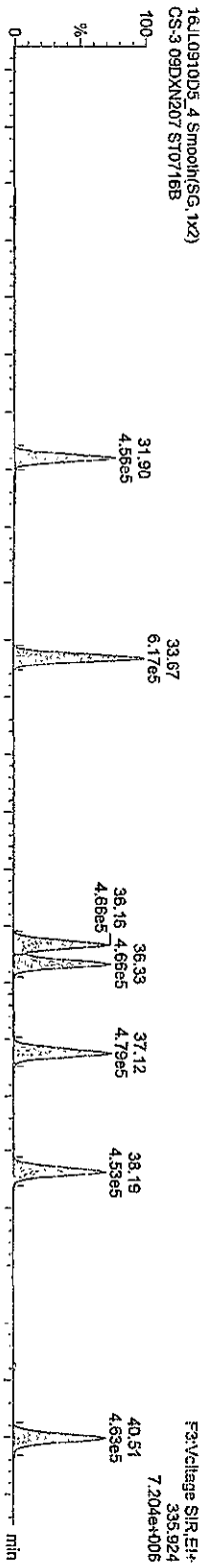
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

**PePCBs**



**13C-PePCBs**

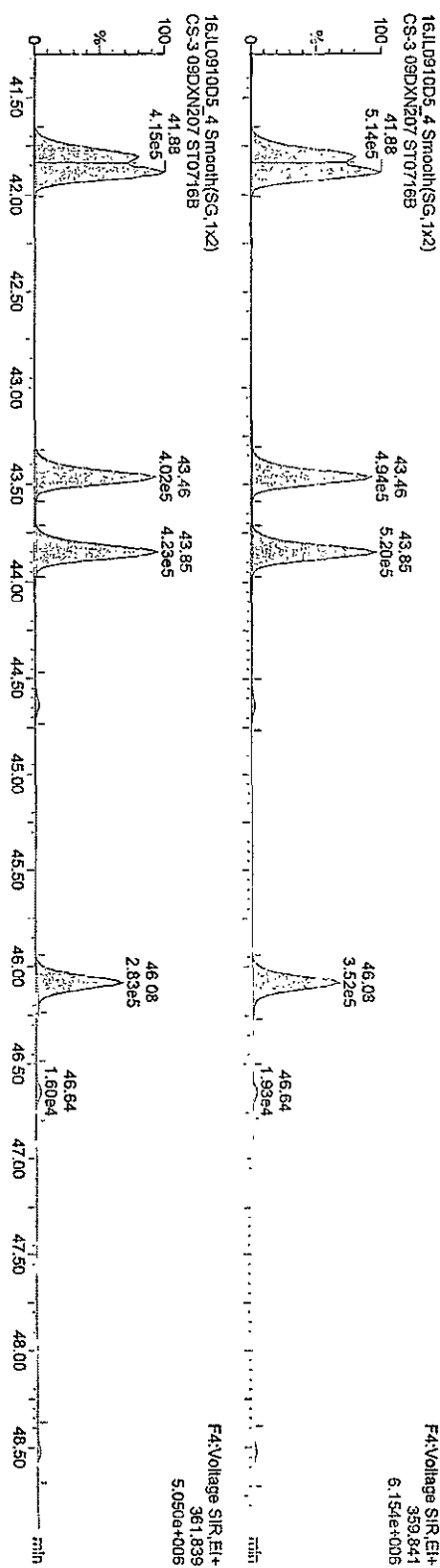


Dataset: C:\Masslynx\Default\prol\CA07162\0910D51668MSLDEC.qld

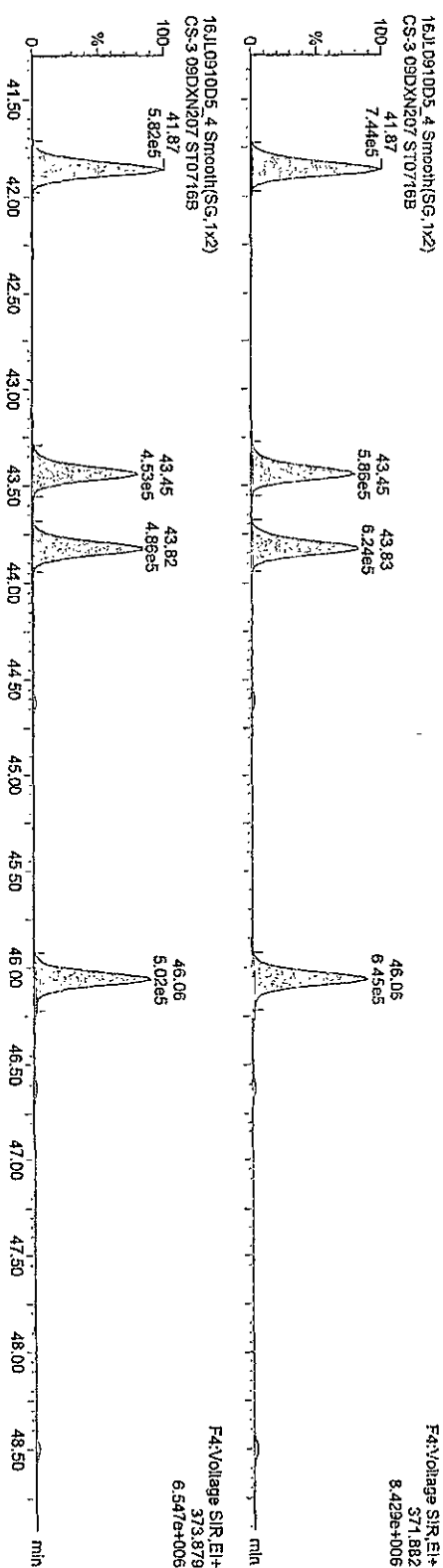
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: STD716B, Description: CS-3 09DXN207

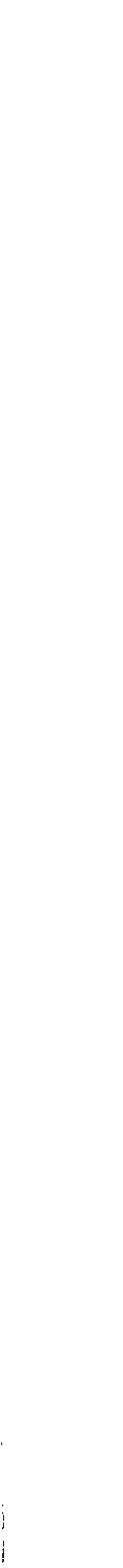
HXPCBs-



13C-HXPCBs



13C-HXPCBs



Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSLDEC.qld

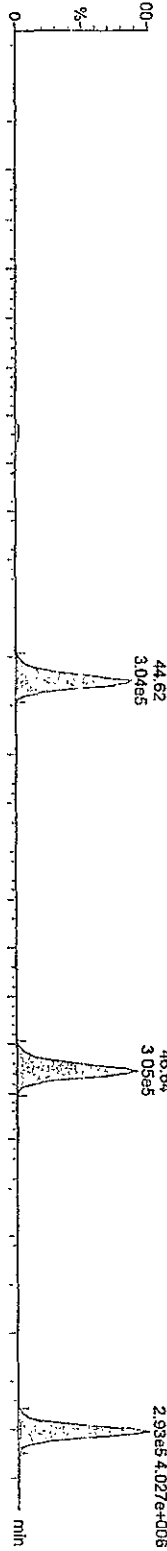
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

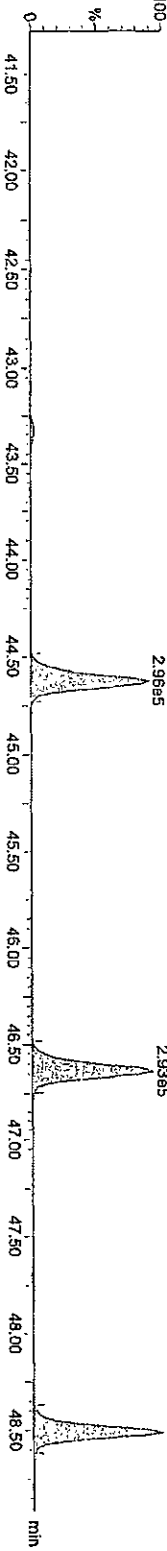
Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

HhPCBs

16JUL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B

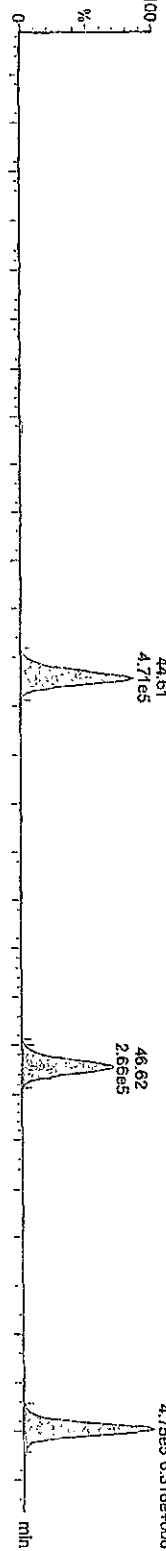


16JUL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B

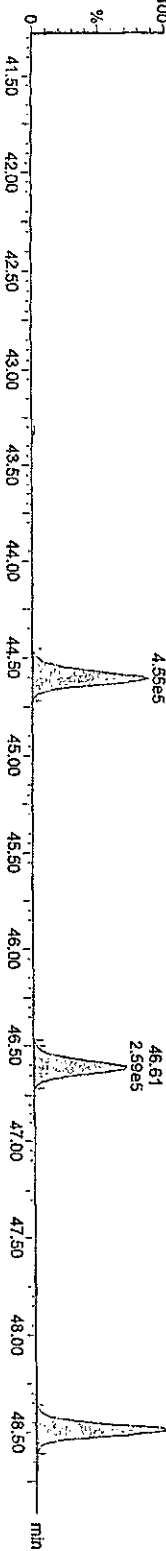


13C-HhPCBs

16JUL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B



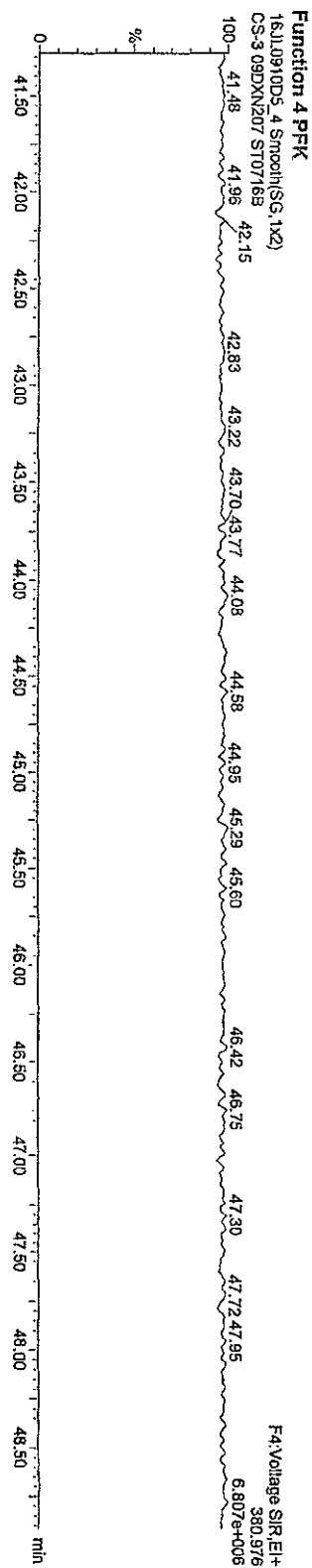
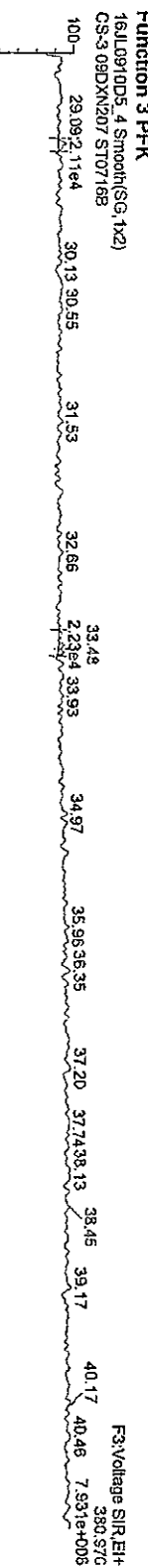
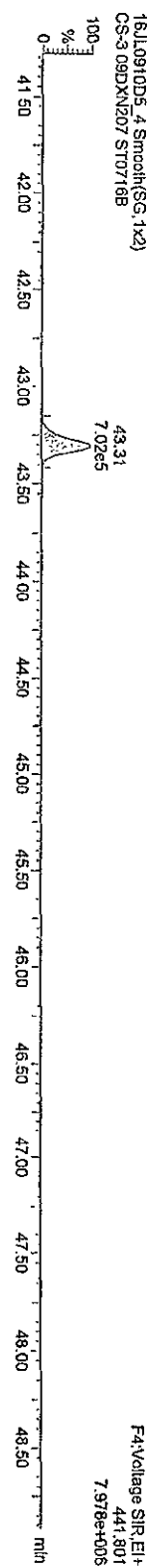
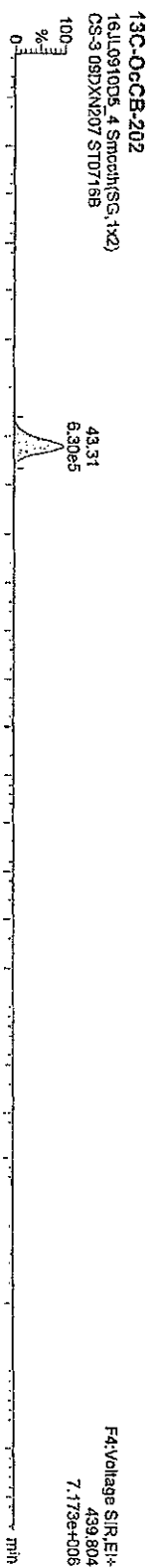
16JUL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B



Dataset: C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207



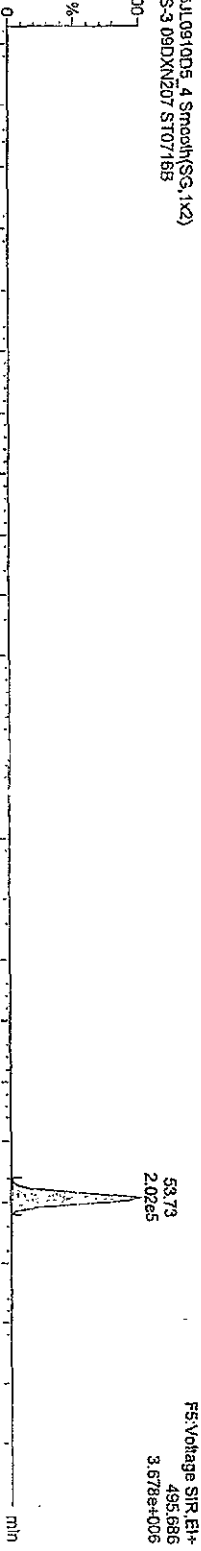
Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

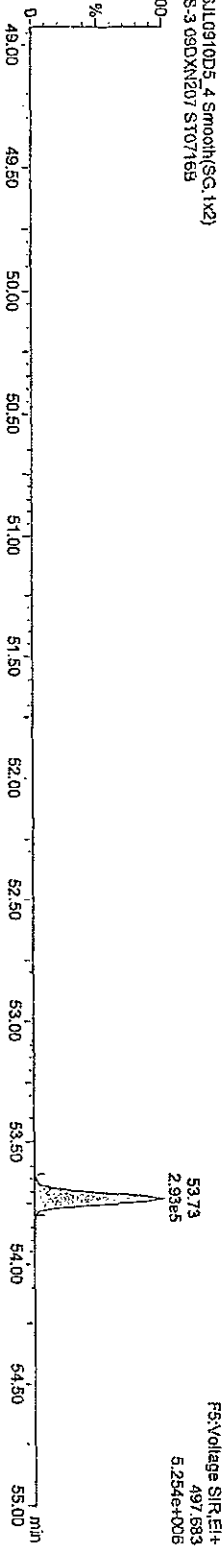
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DecB-209

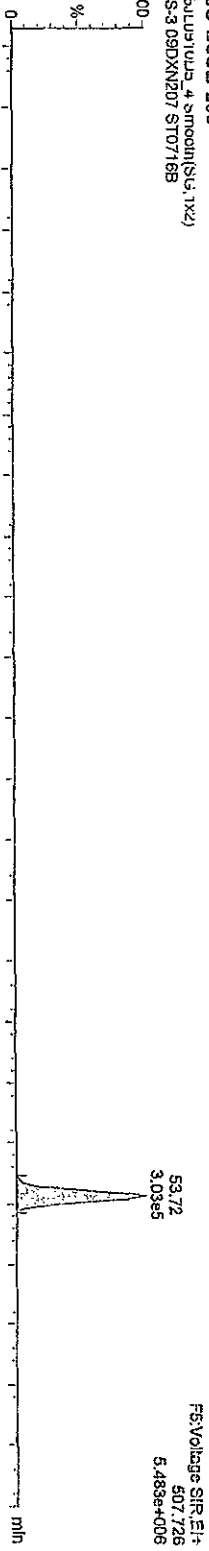
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



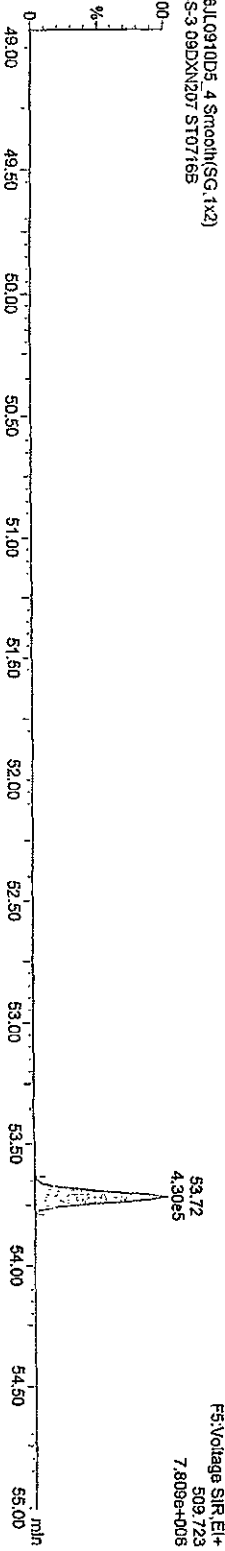
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



13C-DecB-209  
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B



16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3-09DXN207 ST0716B

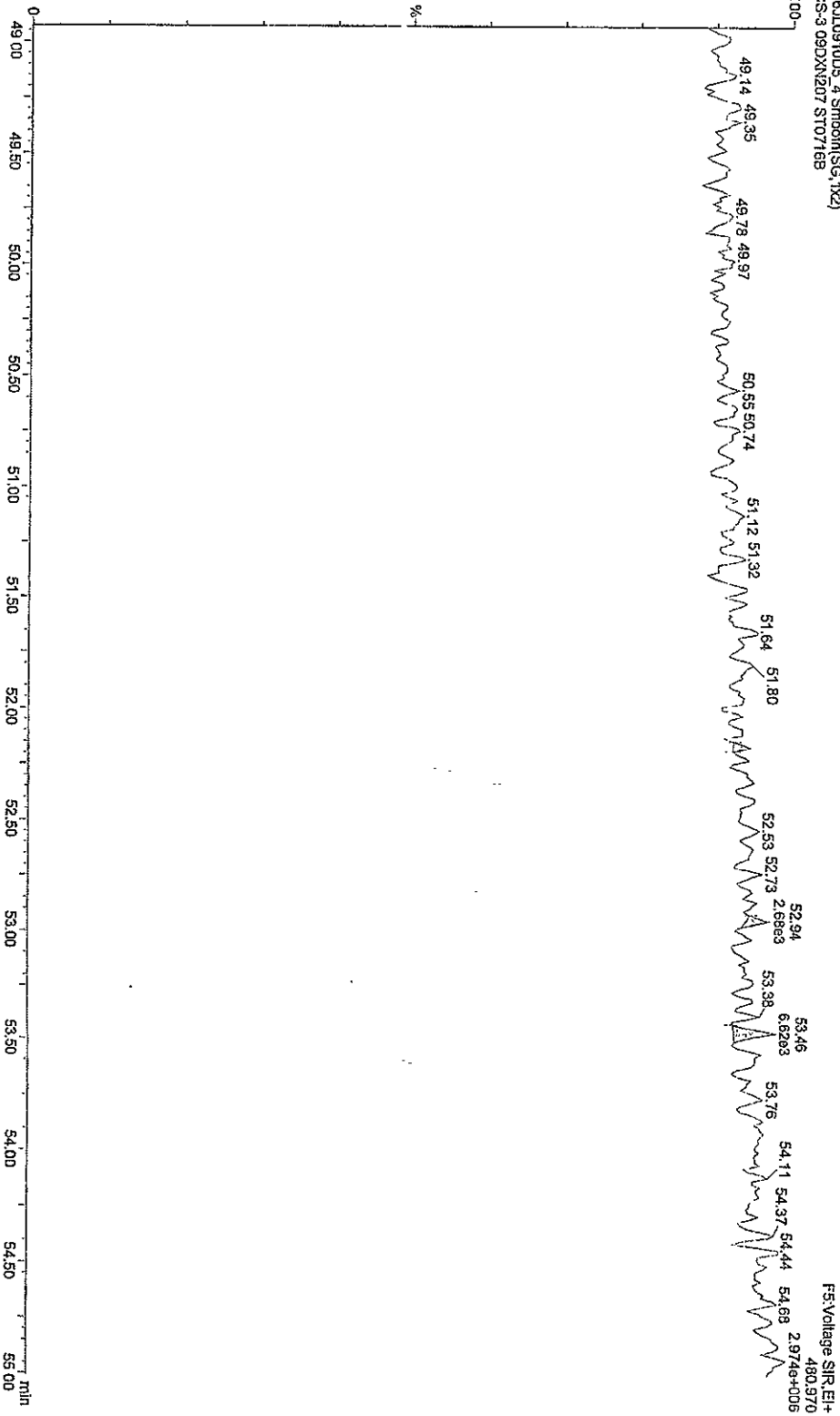


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST07168, Description: CS-3 09DXN207

Function 5 PFK  
16JUL0910D5\_4.SmpIn(SG, 1x2)  
CS-3 09DXN207 ST07168



Dataset:      C:\Masslynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

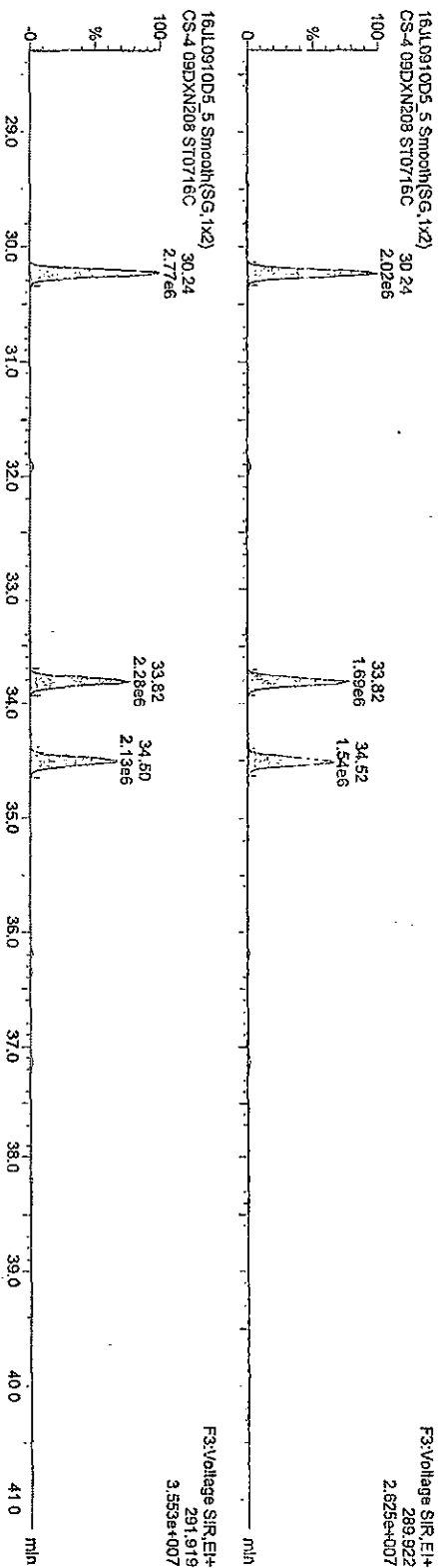


Dataset: C:\Masslynx\Default\prof\CA0716200910D51668M\SLDEC.qld

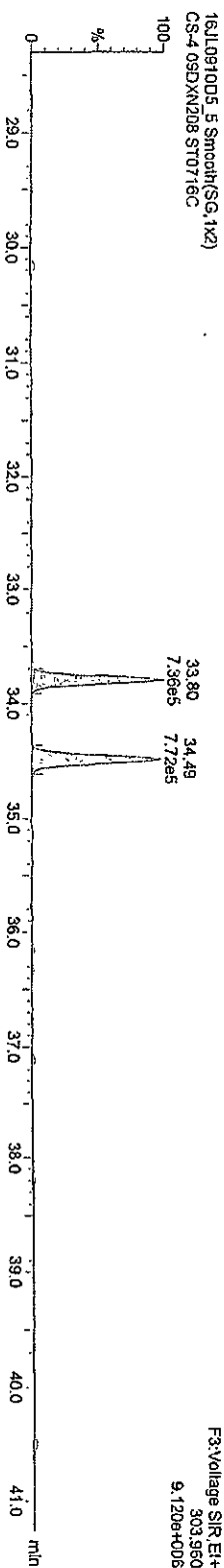
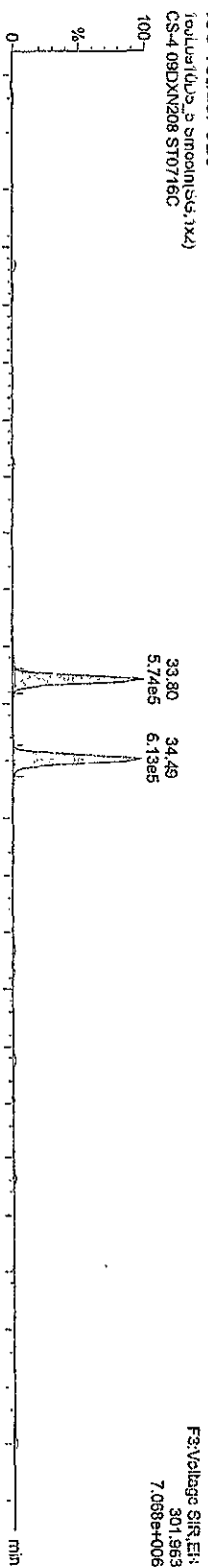
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

TetraPCBs



13C-TetraPCBs

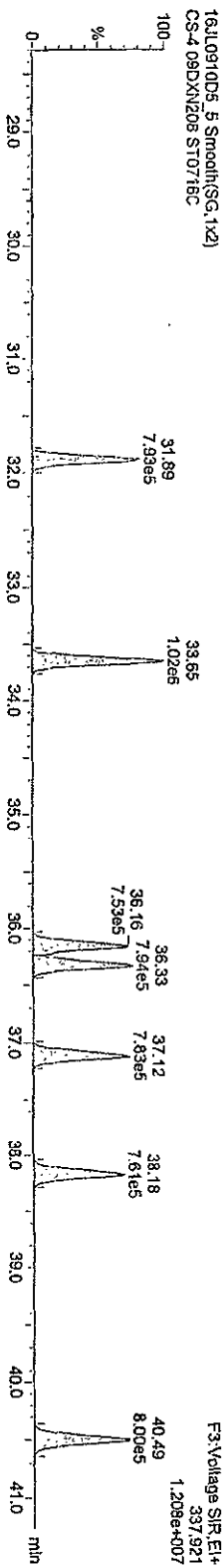
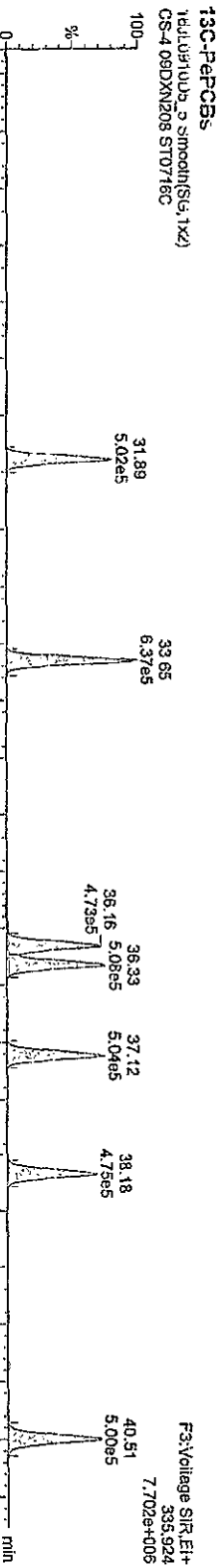
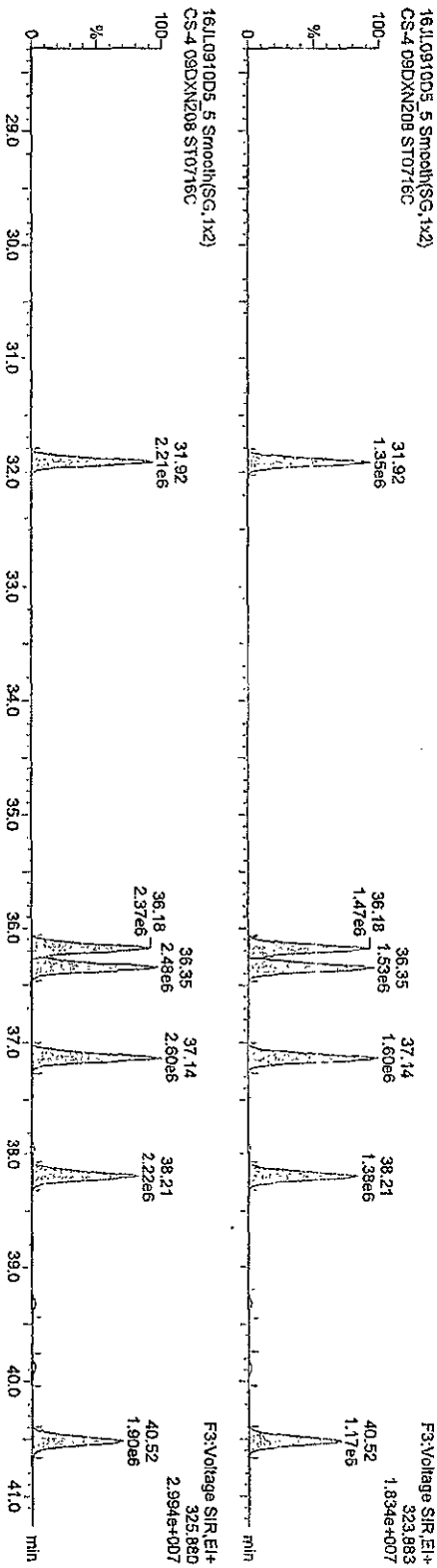


Dataset: C:\MassLynx\Default\pro\16JUL0910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4-09DXN208

PePCBs

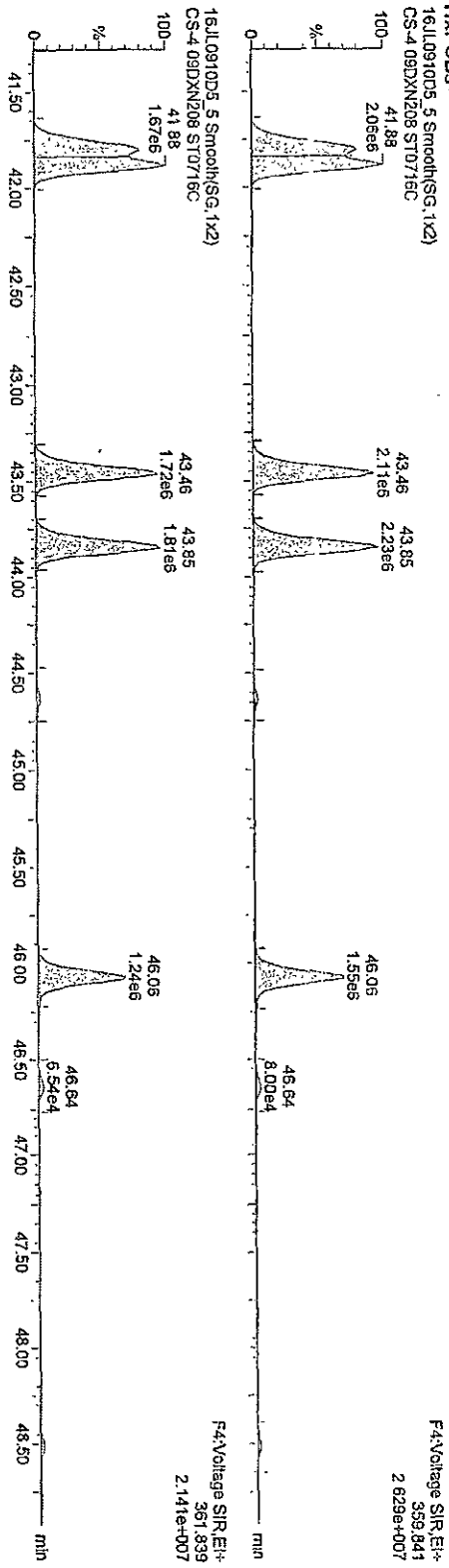


Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

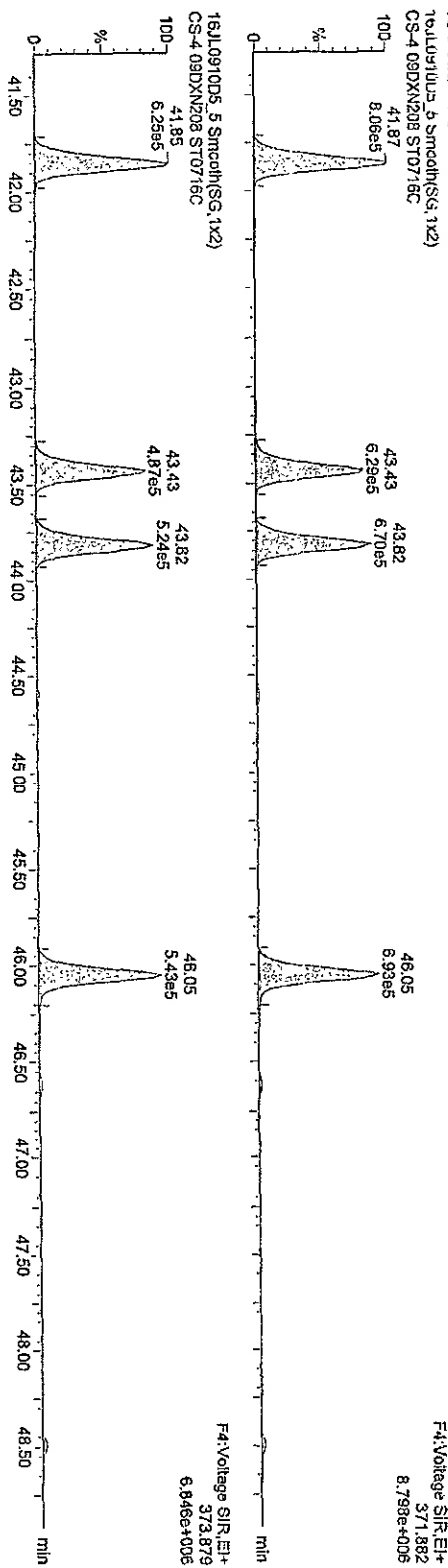
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

HXPCBs-



13C-HXPCBs



Dataset: C:\Masslynx\Default\proj\CA0716200910D61668MSLDEC.qld

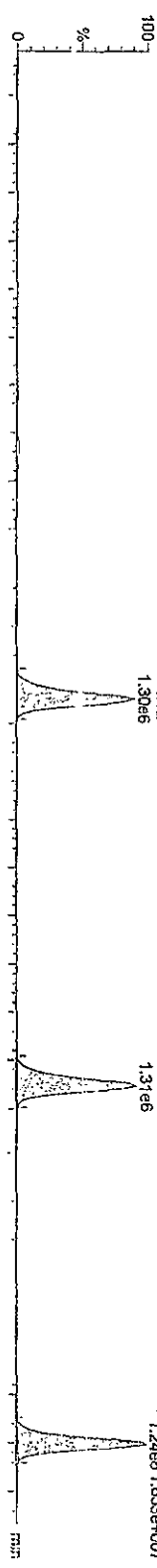
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

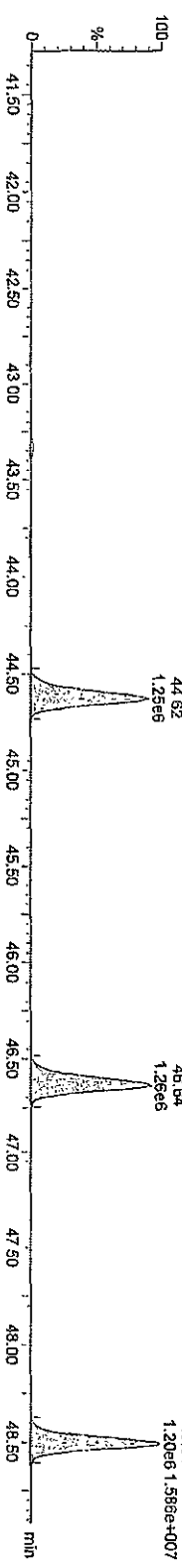
Name: 16JUL0910D6\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

HpPCBs

16JUL0910D6\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C

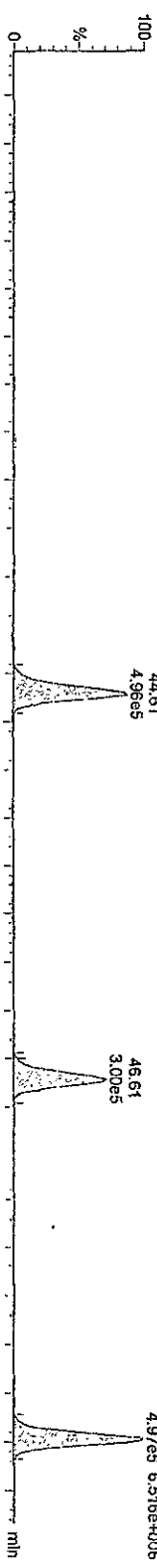


16JUL0910D6\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C

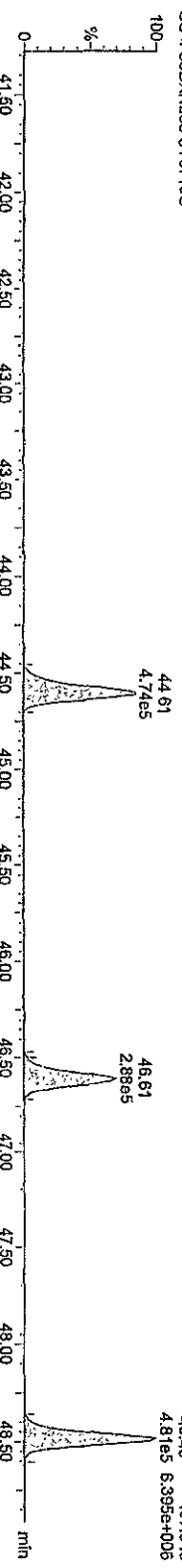


13C-HpPCBs

16JUL0910D6\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



16JUL0910D6\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C

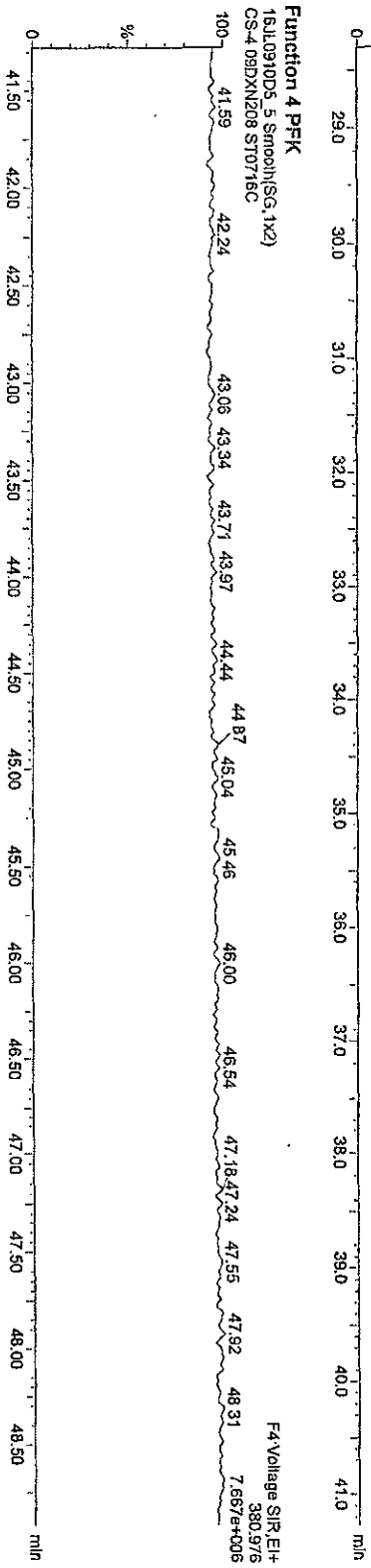
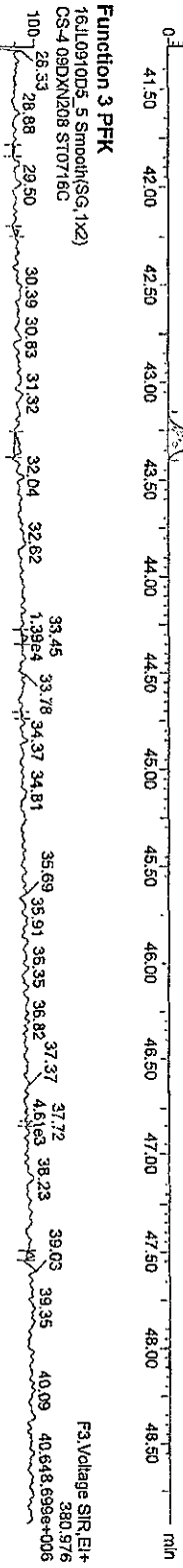
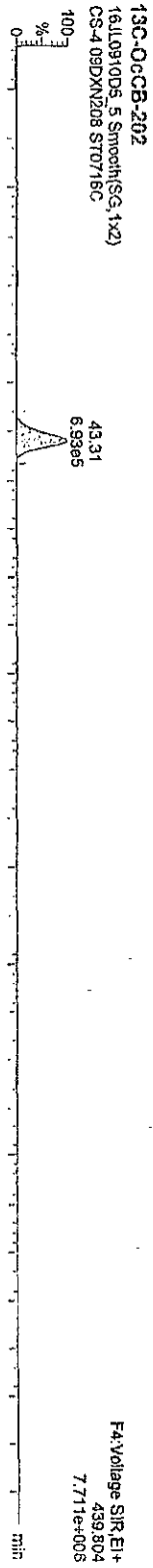


Dataset: C:\Masslynx\Default\prof\CA0716200910D5168MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208



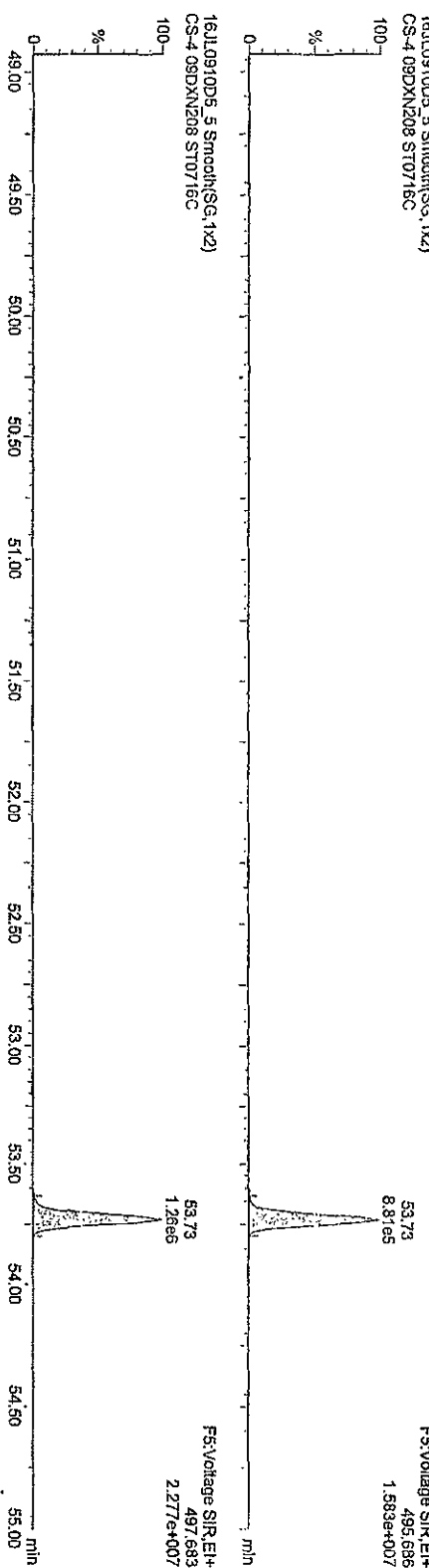
Dataset: C:\MassLynx\Default\prof\CA0716200910D51668M\SLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

DecS-209  
16JUL0910D5\_5 Smoother(SG, 1x2)

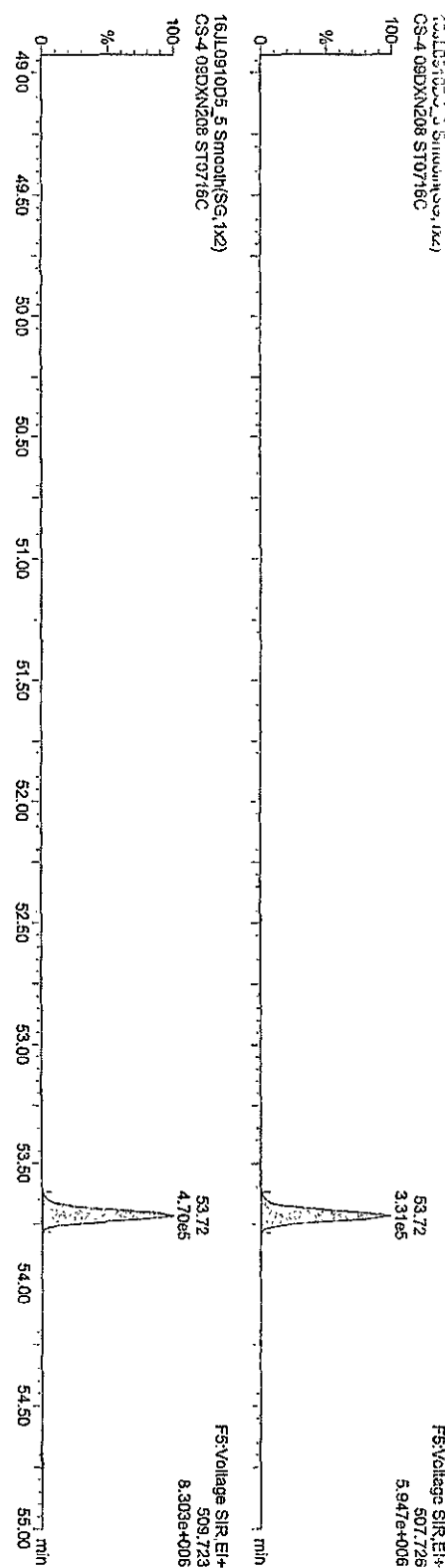
CS-4 09DXN208 ST0716C



13C-DecS-209

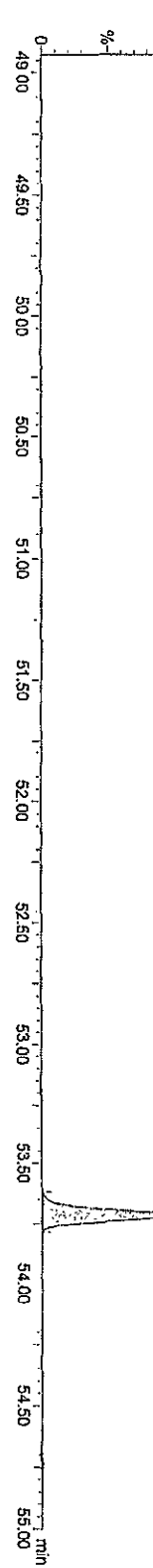
16JUL0910D5\_5 Smoother(SG, 1x2)

CS-4 09DXN208 ST0716C



16JUL0910D5\_5 Smoother(SG, 1x2)

CS-4 09DXN208 ST0716C

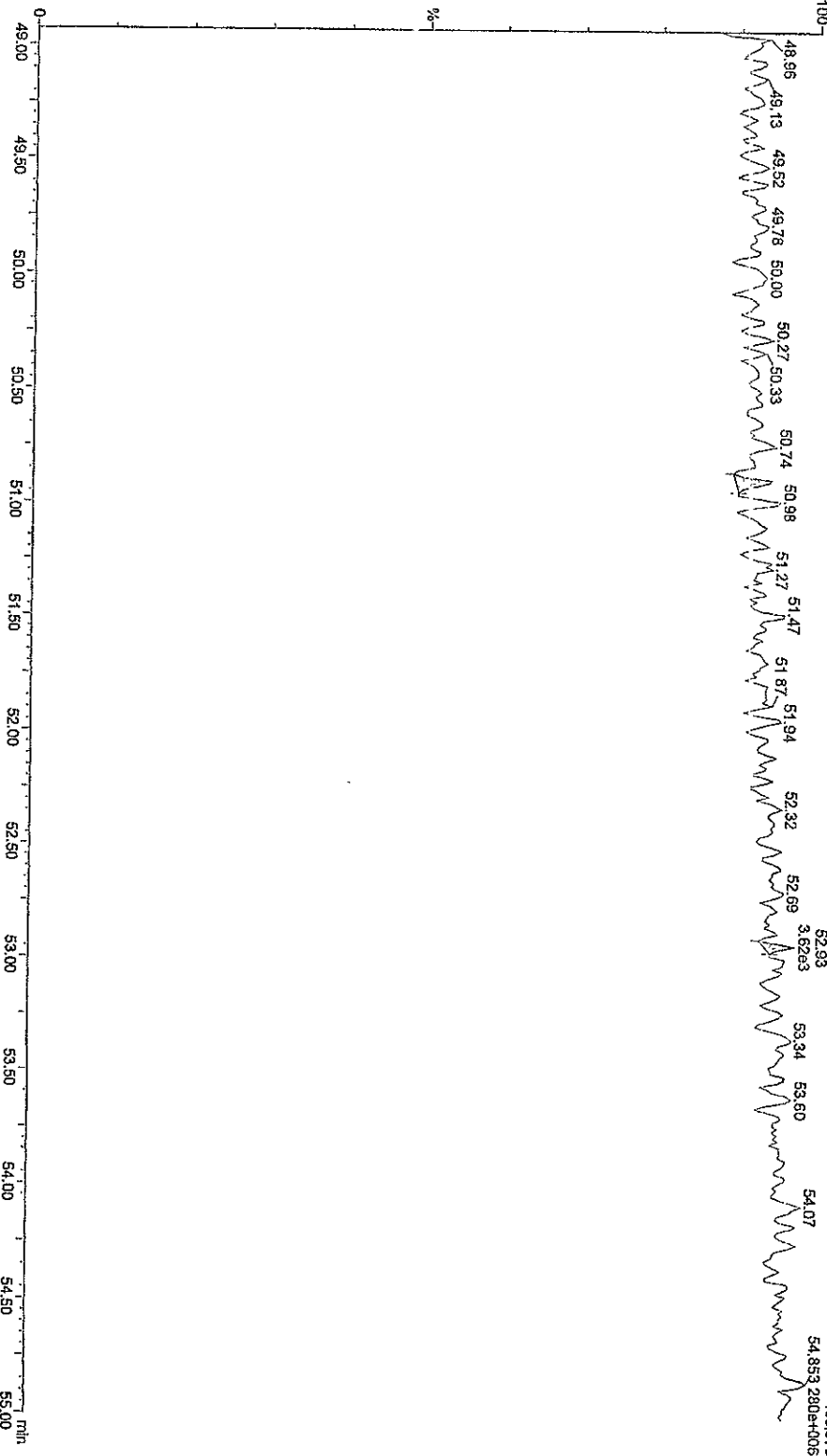


Dataset: C:\Masslynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

Function 5 PPK  
16JUL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



Dataset:      C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209



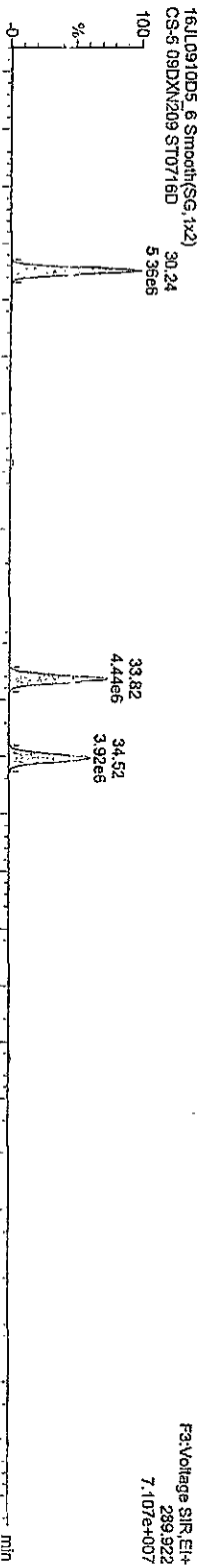
Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

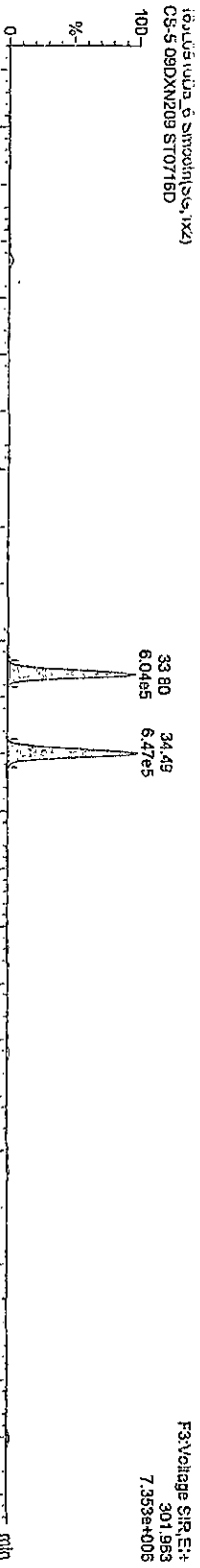
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

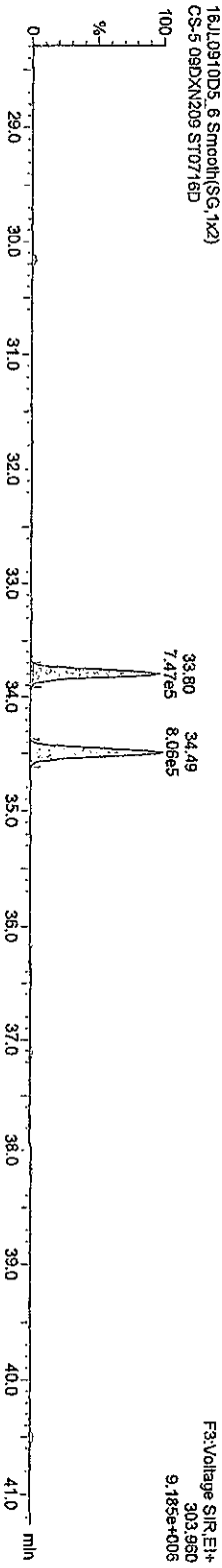
TetraPCBs



13C-TetraPCBs



16JUL0910D5\_6 Smooth(SG, 1x2)

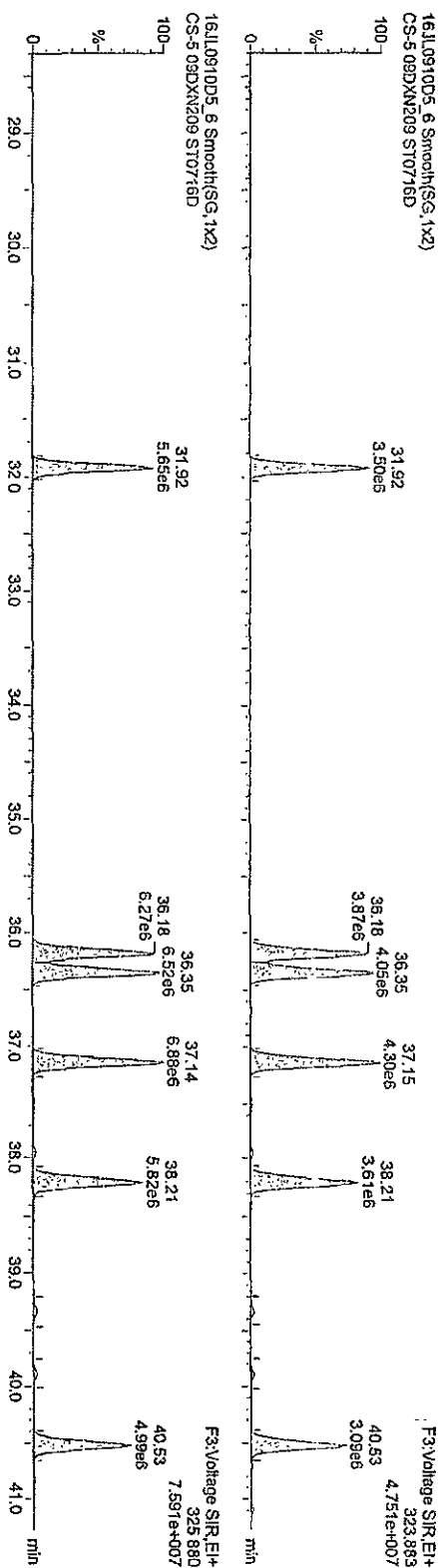


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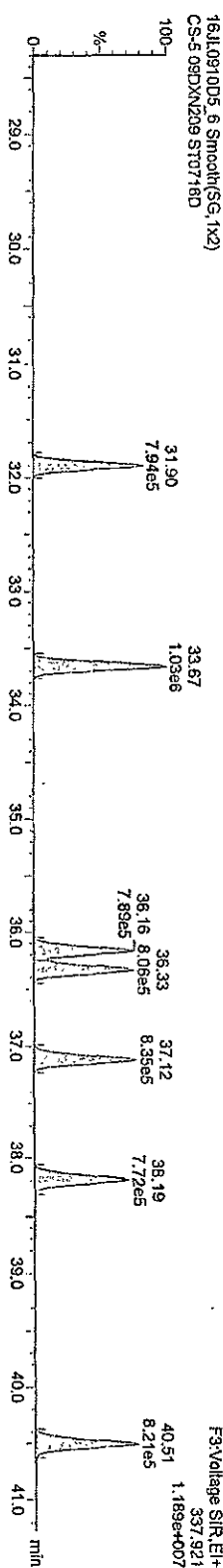
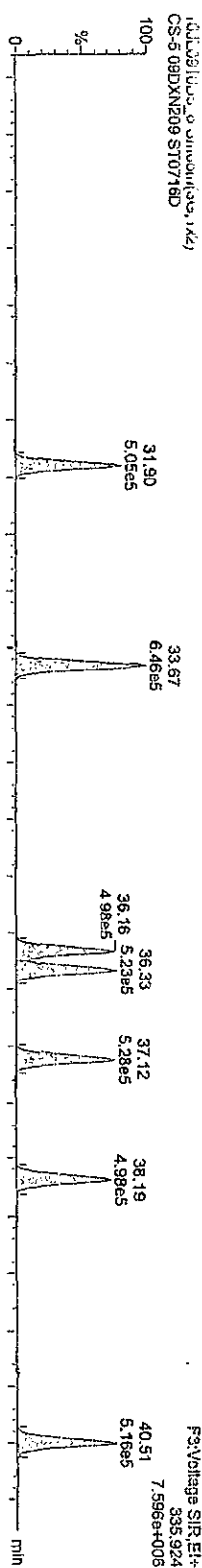
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

PePCBs



13C-PePCBs



Dataset: C:\Masslynx\Default\prol\CA0716200910D51668MSLDEC.qld

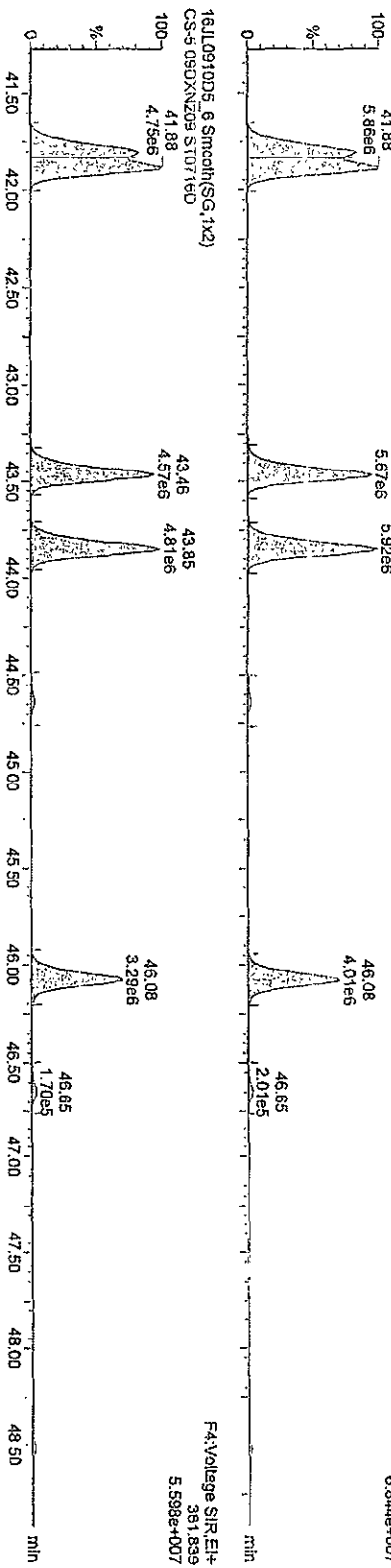
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

HPCBs-

16JL0910D5\_6 Smooth(SG, 1x2)

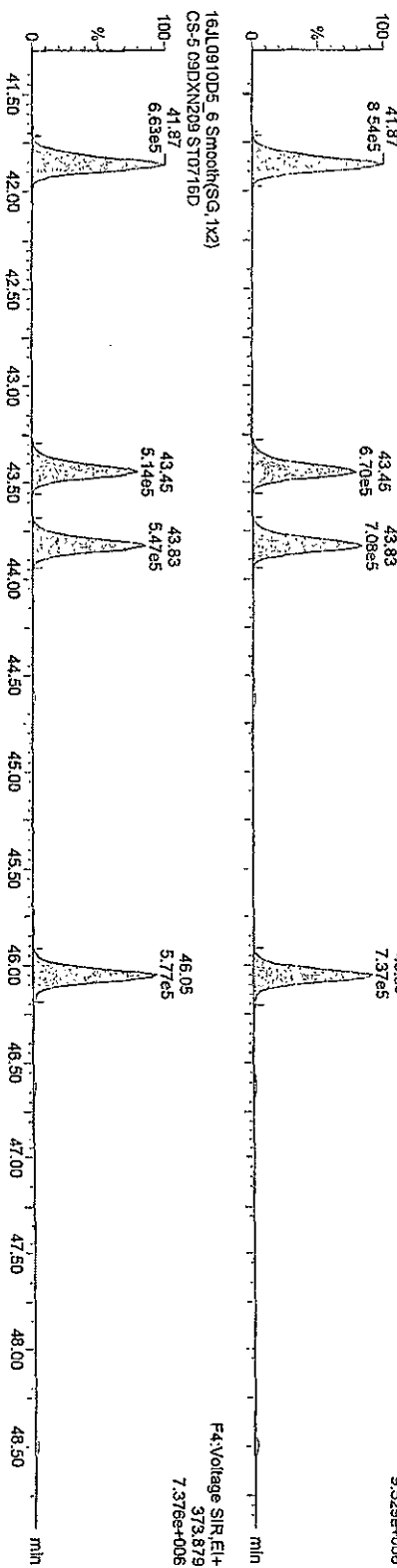
CS-5 09DXN209 ST0716D



13C-HPCBs

16JL0910D5\_6 Smooth(SG, 1x2)

CS-5 09DXN209 ST0716D



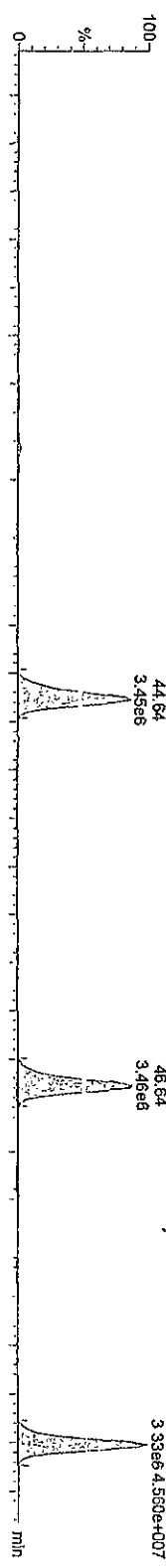
Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:34:27 Pacific Daylight Time

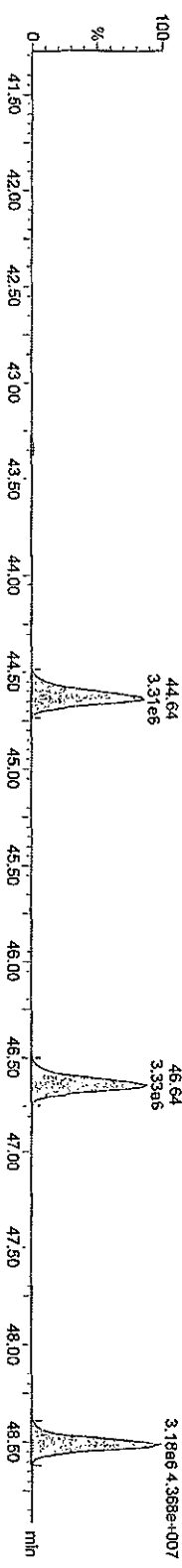
Name: 16-Jul-0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

HPLC

16Jul0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D

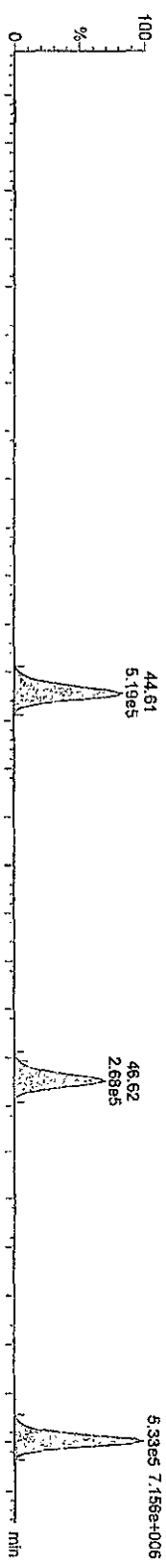


16Jul0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D

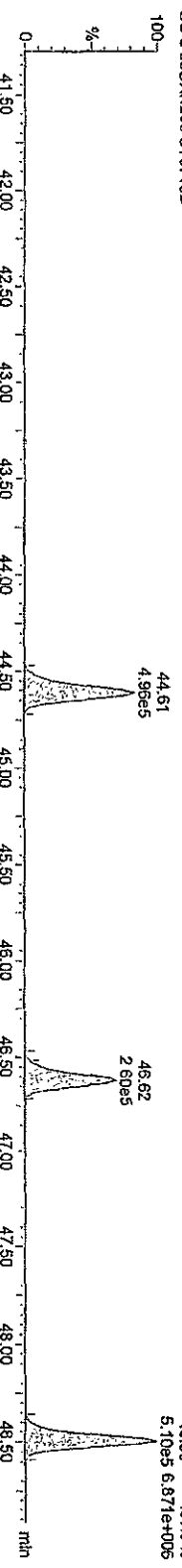


HPLC

16Jul0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



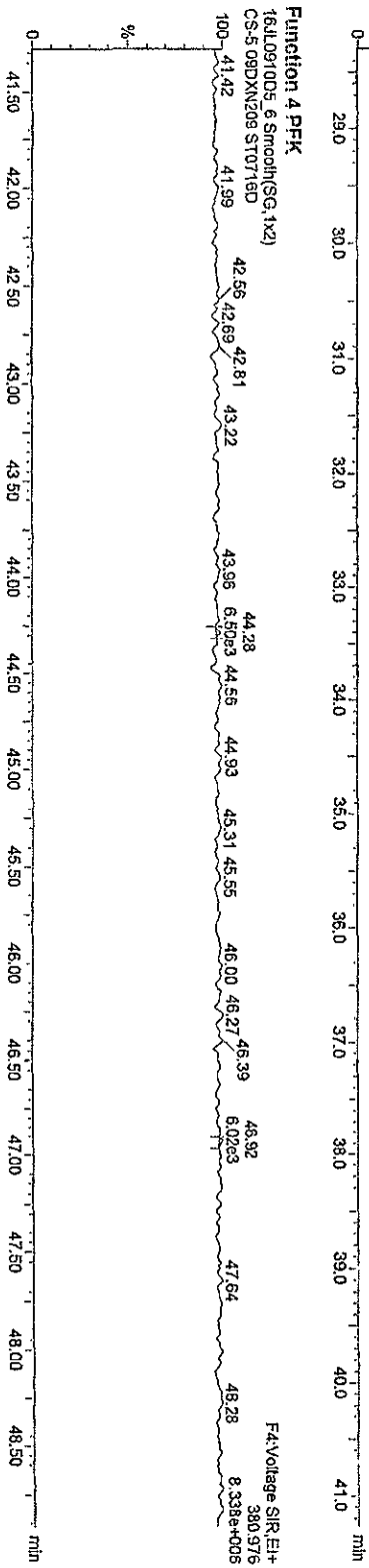
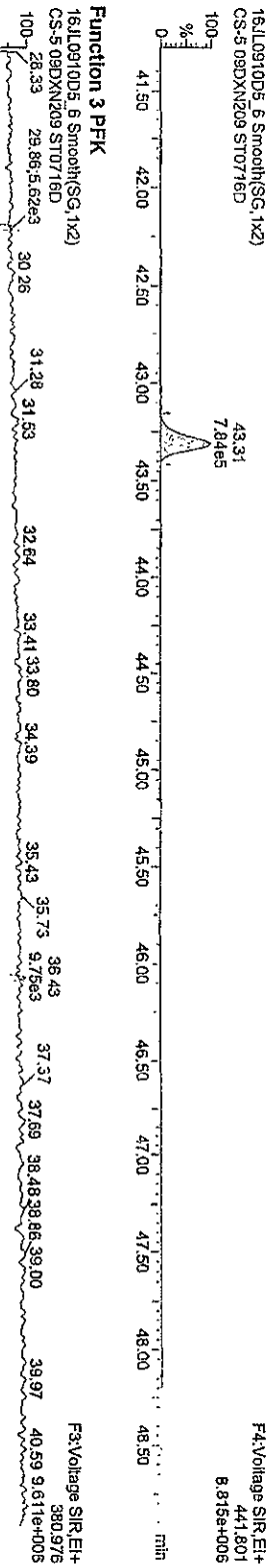
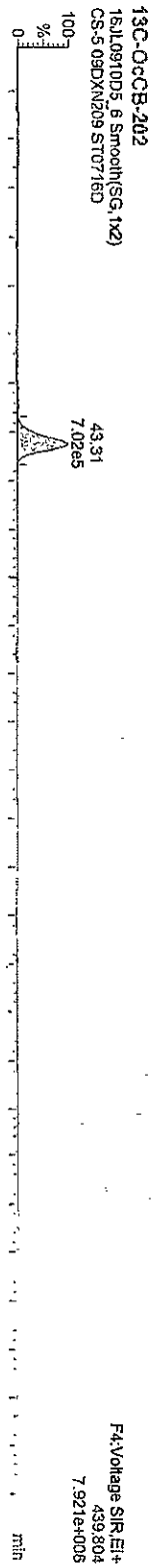
16Jul0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



Dataset: C:\Masslynx\Default\proj\CA0716200910D51668M\SLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209



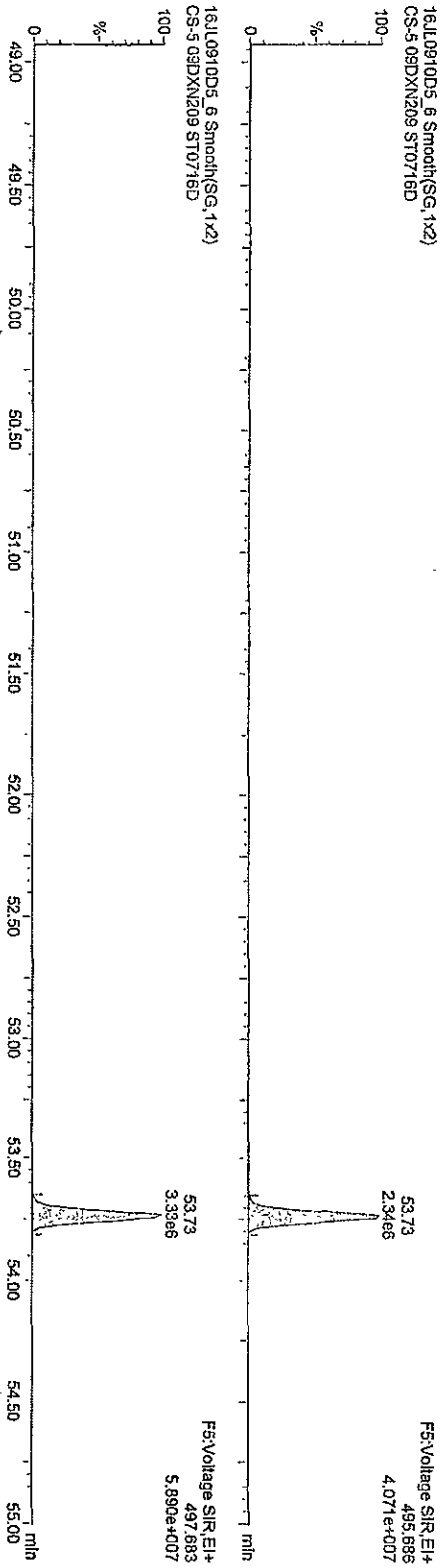
Dataset: C:\MassLynx\Default\prot\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

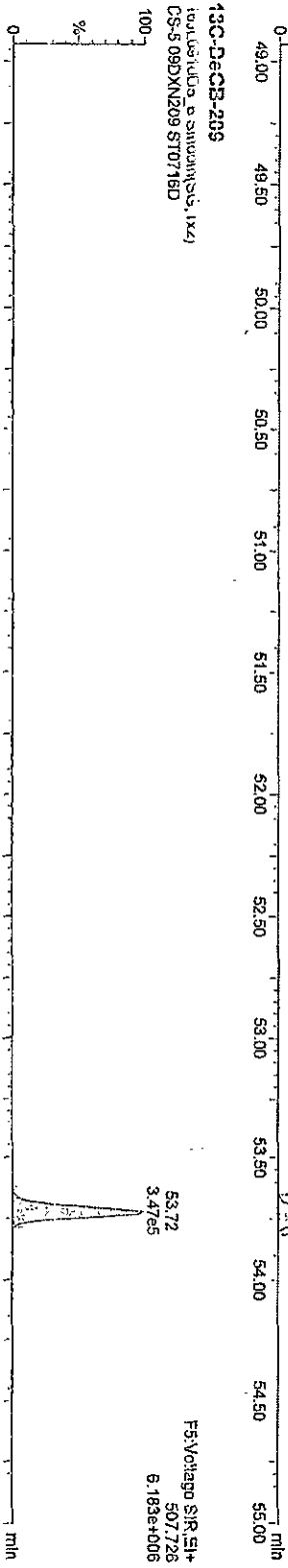
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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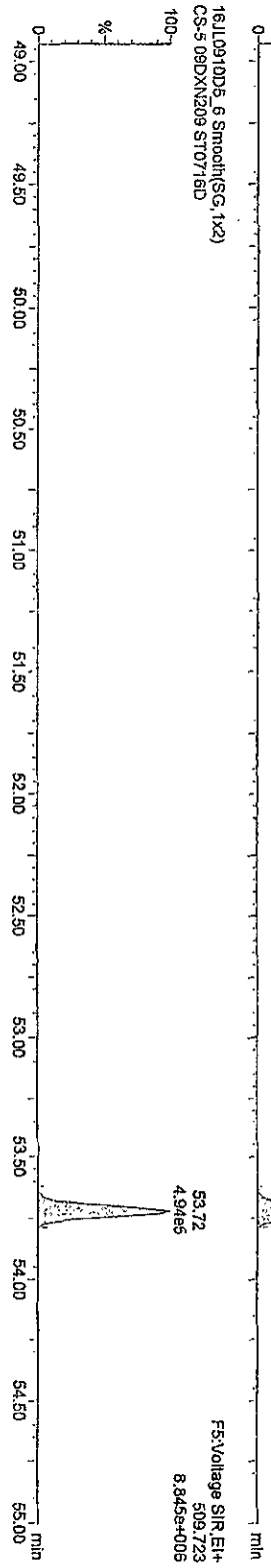
DecB-209  
16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



13C-DecB-209  
16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D



16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5-09DXN209 ST0716D

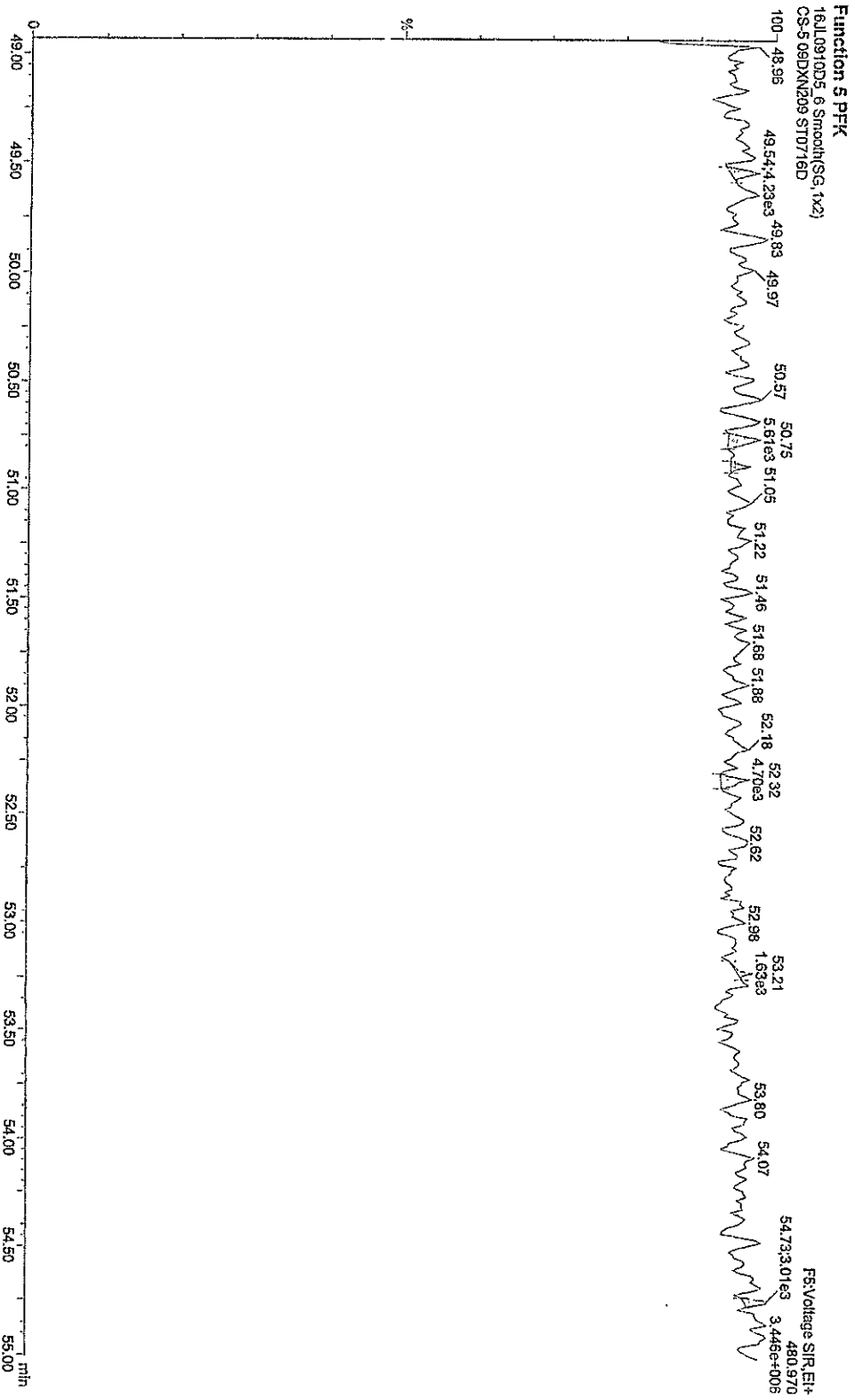


Quantity Sample Report MassLynx 4.1

Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MS1\DEC.qld

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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16LJ0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209



Quantify Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC2ndSource.qld  
 Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19  
 Calibration: C:\MassLynx\Default.PRO\CurveDB\CA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53  
 Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

#	Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs.Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1	13C-PeCB-101	335.924	1.000	31.90	32.13	12419...		1470466.81	118.4006	118.4006	118.4	0.06393	0.66	NO	
2															
3	13C-TeCB-81	301.963	1.000	33.82	33.85	1.03984		1610148.06	105.3037	105.3037	105.3	0.05886	0.79	NO	
4	TeCB-81	289.922	1.000	33.83	33.83	1.45839		2117289.38	90.1658	90.1658	104.5	0.04653	0.74	NO	
5	13C-TeCB-77	301.963	1.000	34.50	34.55	1.10430		1683224.19	103.6572	103.6572	103.7	0.05543	0.79	NO	
6	TeCB-77	289.922	1.000	34.52	34.52	1.27458		1973168.13	91.9719	91.9719	105.7	0.05127	0.76	NO	
7															
8	13C-PeCB-123	335.924	1.000	36.16	36.18	0.99324		1532208.75	104.9083	104.9083	104.9	0.05436	0.63	NO	
9	PeCB-123	323.883	1.000	36.20	36.18	1.50539		1759145.25	76.2668	76.2668	104.5	0.05274	0.64	NO	
10	13C-PeCB-118	335.924	1.000	36.33	36.35	1.02377		1572983.44	104.4883	104.4883	104.5	0.05700	0.62	NO	
11	PeCB-118/106	323.883	1.000	36.37	36.35	1.52552		3508659.50	146.1885	146.1885	105.7	0.05207	0.64	NO	
12	13C-PeCB-114	335.924	1.000	37.12	37.14	1.03691		1612395.63	105.7488	105.7488	105.7	0.05326	0.62	NO	
13	PeCB-114	323.883	1.000	37.15	37.14	1.58926		1671774.44	65.2395	65.2395	102.1	0.05242	0.63	NO	
14	13C-PeCB-105	335.924	1.000	38.19	38.21	0.98151		1490435.62	163.4509	163.4509	102.1	0.05242	0.63	NO	
15	PeCB-105/127	323.883	1.000	38.23	38.21	1.43326		3561897.75	102.0695	102.0695	102.1	0.05242	0.63	NO	
16	13C-PeCB-126	335.924	1.000	40.51	40.56	1.02999		1545906.50	92.8312	92.8312	119.7	0.02438	0.90	NO	
17	PeCB-126	323.883	1.000	40.54	40.54	1.15582		1668692.44	119.6951	119.6951	101.4	0.04312	1.27	NO	
18															
19	13C-CocCB-202	439.804	1.000	43.31	43.51	14106....		1688443.75	101.3672	101.3672	101.4	0.03818	1.08	NO	
20															
21	13C-HXCB-167	371.882	1.000	41.87	41.90	1.00247		1715750.19	71.7388	71.7388	102.9	0.05505	1.29	NO	
22	HXCB-167	359.841	1.000	41.90	41.90	1.34796		1659150.94	102.9140	102.9140	102.5	0.05175	1.29	NO	
23	13C-HXCB-156	371.882	1.000	43.45	43.48	0.78510		1364232.75	78.2908	78.2908	102.5	0.03726	1.23	NO	
24	HXCB-156	359.841	1.000	43.48	43.48	1.68840		1803329.50	102.5319	102.5319	100.3	0.04961	1.26	NO	
25	13C-HXCB-157	371.882	1.000	43.83	43.87	0.83526		1446005.38	71.8229	71.8229	103.5	0.03057	1.04	NO	
26	HXCB-157	359.841	1.000	43.87	43.85	1.65965		1723649.81	100.3211	100.3211	103.5	0.05965	1.04	NO	
27	13C-HXCB-169	371.882	1.000	46.06	46.11	0.87128		1475827.50	90.9875	90.9875	103.5	0.03057	1.04	NO	
28	HXCB-169	359.841	1.000	46.08	46.10	1.09832		1474839.81	81.6184	81.6184	103.5	0.03057	1.04	NO	
29															
30	13C-HpCB-180	405.843	1.000	44.61	44.47	0.68403		1195299.69	103.4944	103.4944	103.5	0.03057	1.04	NO	
31	HpCB-180	393.803	1.000	44.64	44.61	1.30035		1268602.00	81.6184	81.6184	103.5	0.03057	1.04	NO	



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

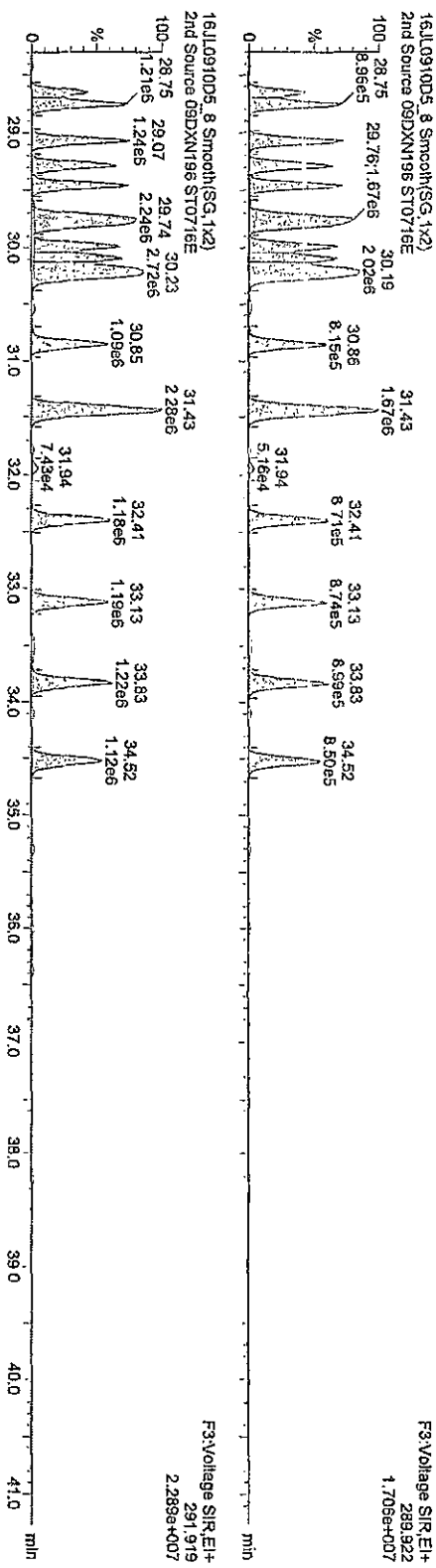
# Name	Trace	Sample Size	RT	Pub RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDI	Ratio	Ratio Fl	Mod Date
32 13C-HpCB-170	405.843	1.000	46.62	46.64	0.54773		966535.94	104.5113	104.5113	104.5	0.03818	1.06	NO	
33 HpCB-170	393.803	1.000	46.65	46.64	1.61501		1170576.13	74.9906	74.9906		0.05931	1.03	NO	
34 13C-HpCB-189	405.843	1.000	48.50	48.48	0.69767		1207214.94	102.4822	102.4822	102.5	0.02997	1.04	NO	
35 HpCB-189	393.803	1.000	48.51	48.53	1.23073		1325001.06	89.1805	89.1805		0.05490	1.04	NO	
36														
37 13C-DecB-209	507.726	1.000	53.73	53.63	0.56323		1015487.63	108.7130	108.7130	108.7	0.02283	0.71	NO	
38 DecB-209	495.686	1.000	53.75	53.76	1.31661		1811907.25	135.3149	135.3149		0.01204	0.70	NO	
39														
40 13C-PeCB-111	335.924	1.000	34.07	33.90	1.30483		1197.90	0.0590		0.1	0.04457	0.66	NO	
41														
42 Function 3 PFK	380.976	1.000												
43 Function 4 PFK	380.976	1.000												
44 Function 5 PFK	480.970	1.000												

Dataset: C:\Masslynx\Default\proj\CA0716200910D51668MSL\DEC2\ndSource.qld

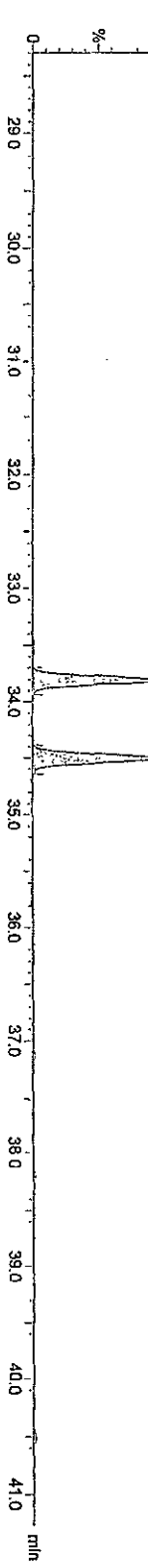
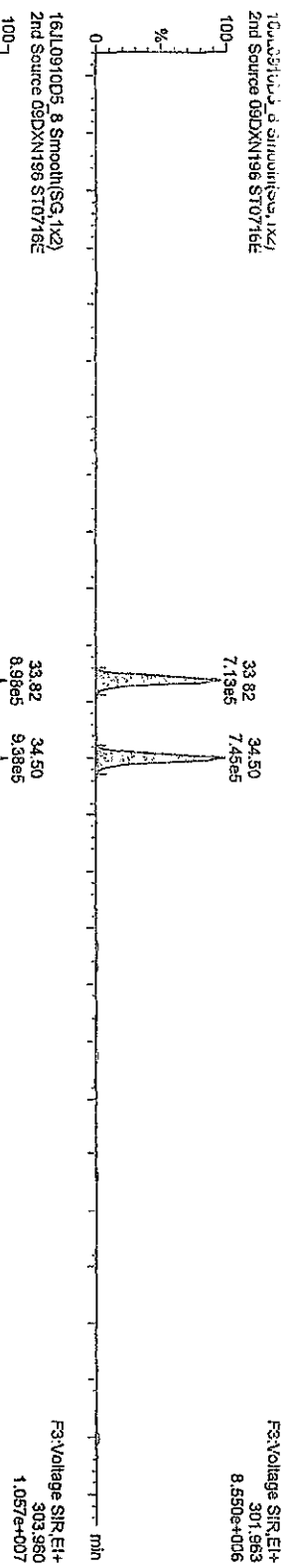
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16LJL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

TetraPCBs



13C-TetraPCBs

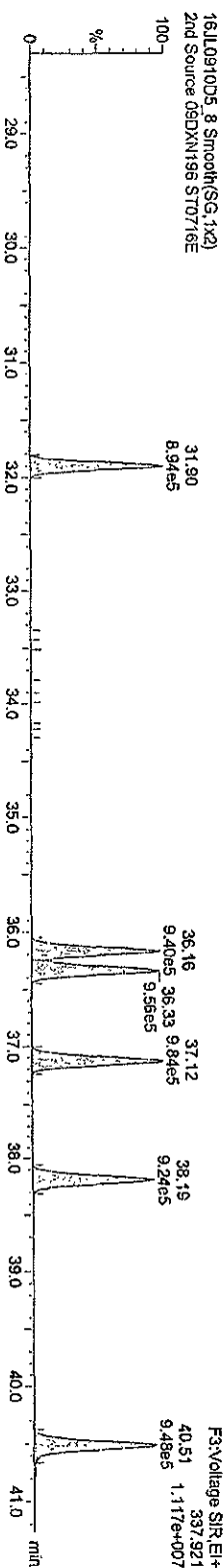
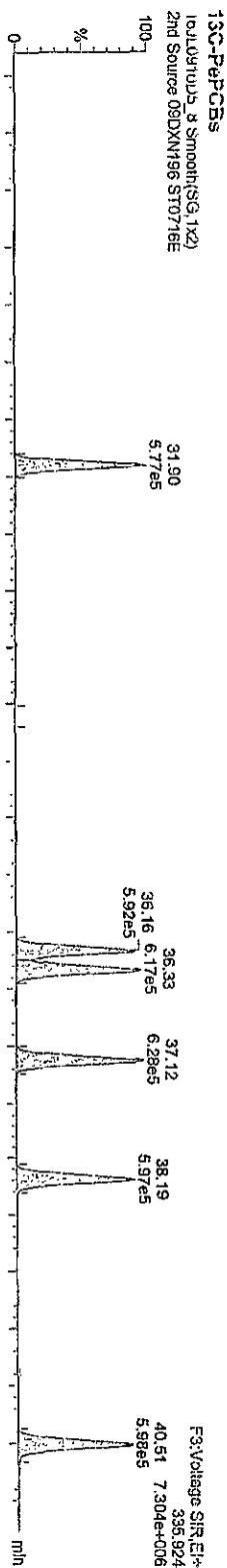
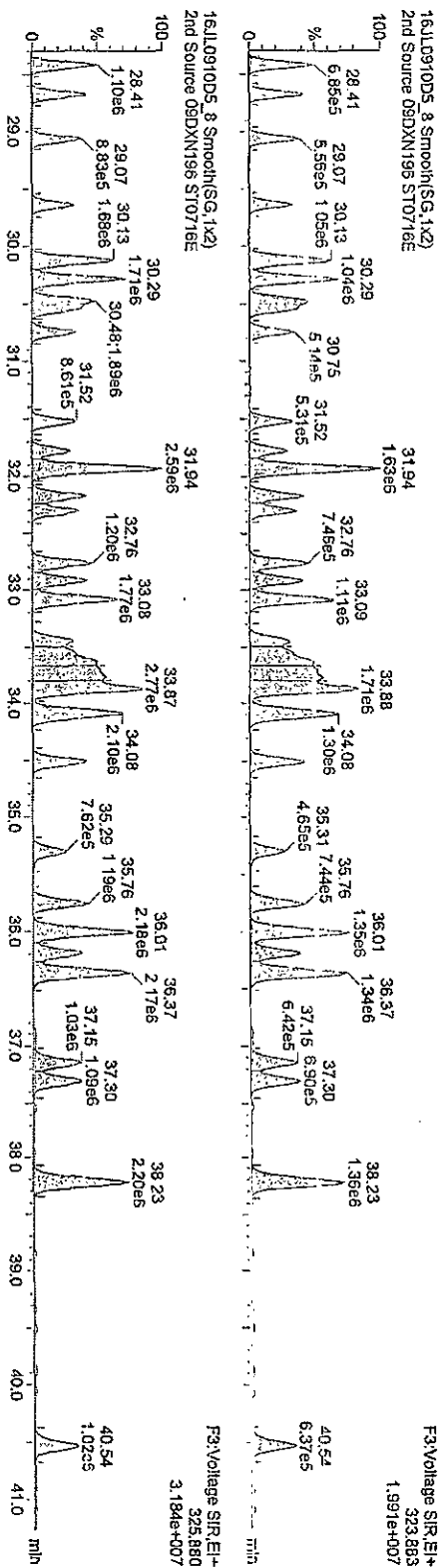


Dataset: C:\Masslynx\Default\proj\CA0716200910D51668MS\SLDEC2\ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN195

PePCBs



Dataset: C:\MassLynx\Default\prol\CA0716200910D51668\MSLDEC2\ndSource.qtd

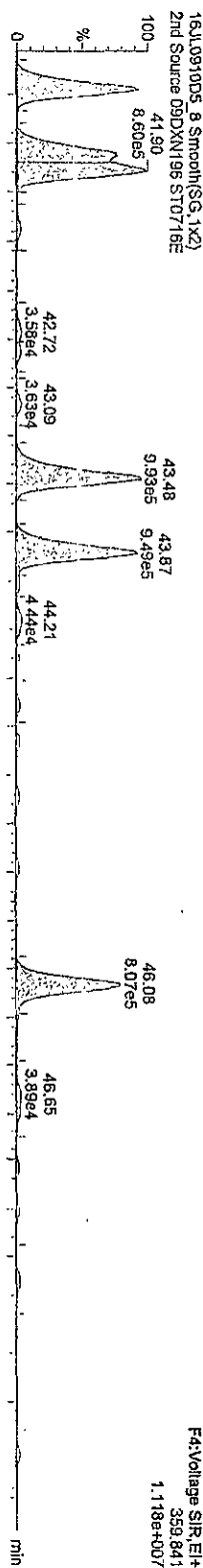
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time

Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

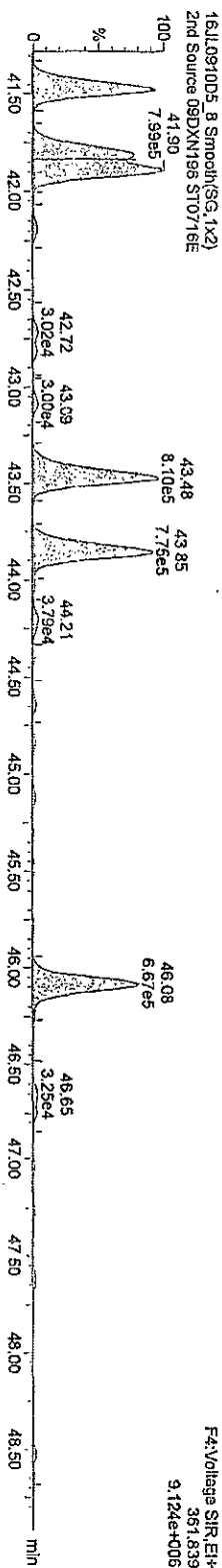
HXPCBs-

16JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E



F4:Voltage SIR\_EI+  
359.841  
1.118e+007

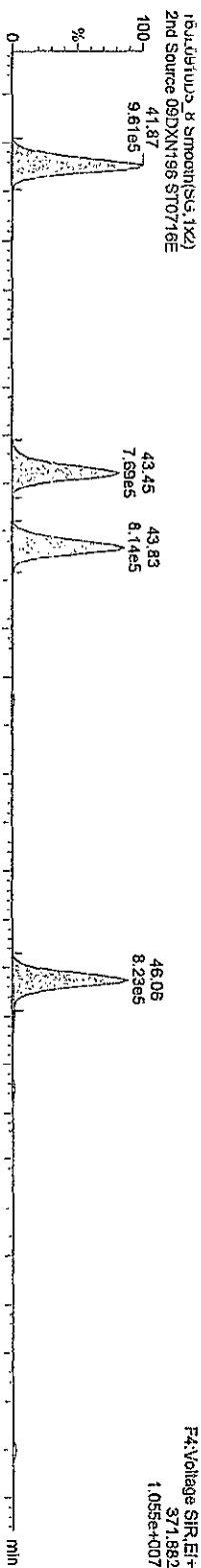
16JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E



F4:Voltage SIR\_EI+  
361.839  
9.124e+006

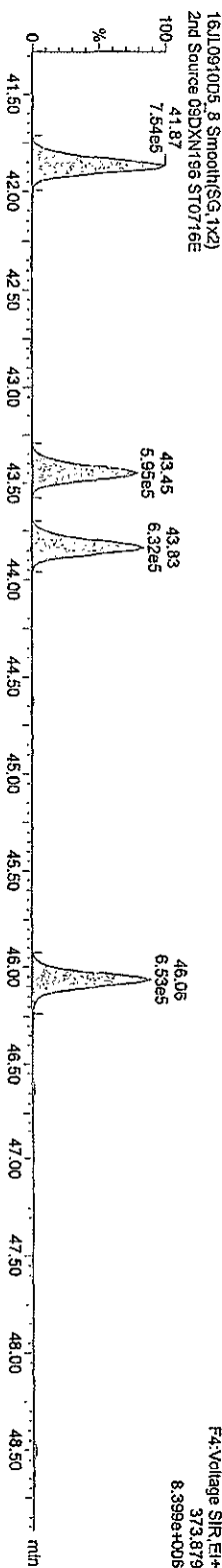
13C-HXPCBs

16JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E



F4:Voltage SIR\_EI+  
371.882  
1.055e+007

16JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E



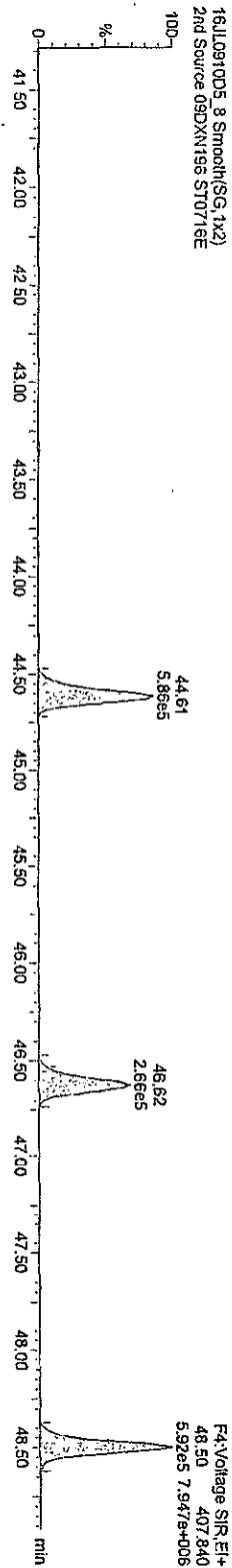
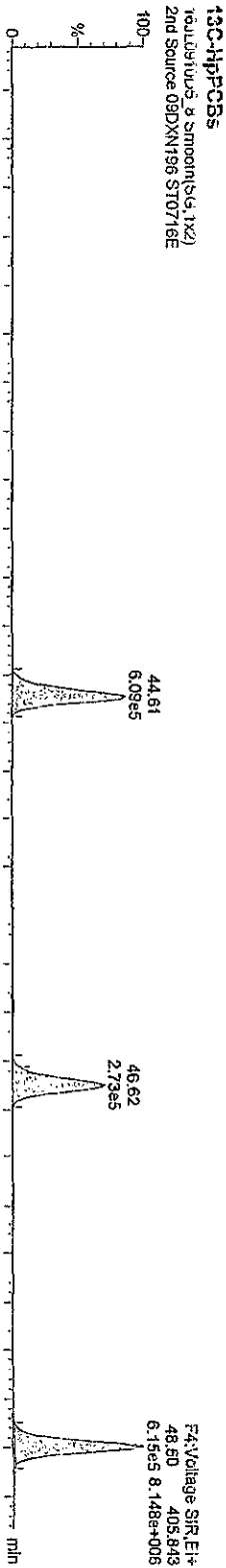
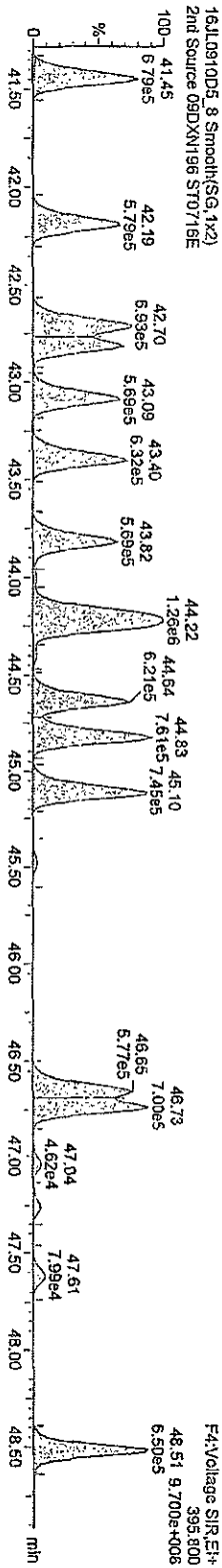
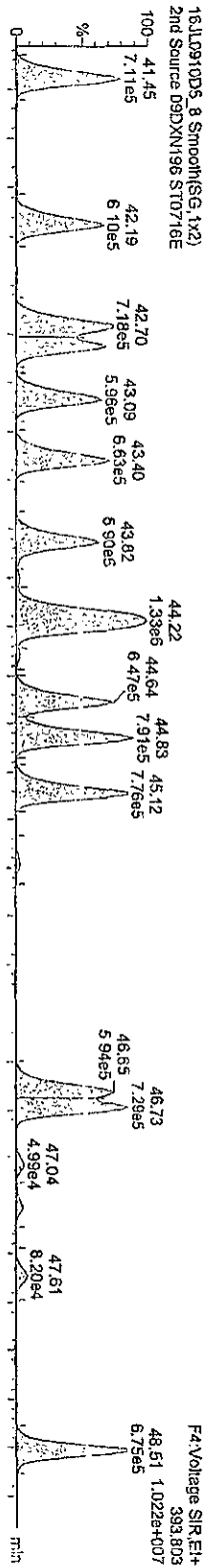
F4:Voltage SIR\_EI+  
373.879  
8.399e+005

Dataset: C:\MassLynx\Default\prof\CA0716200910D51668MSLDEC2\2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

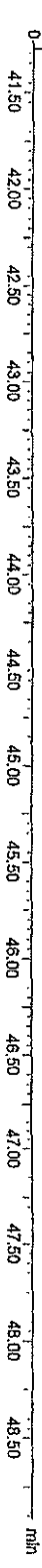
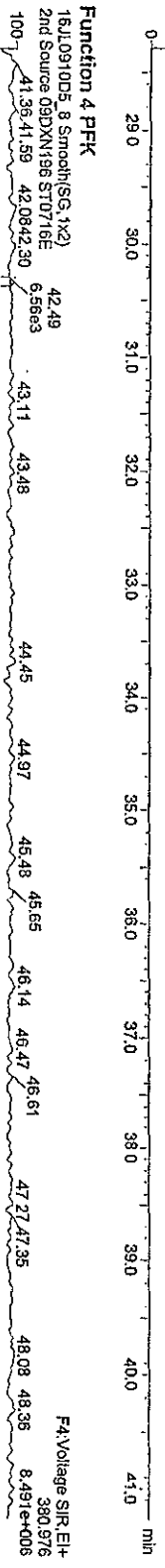
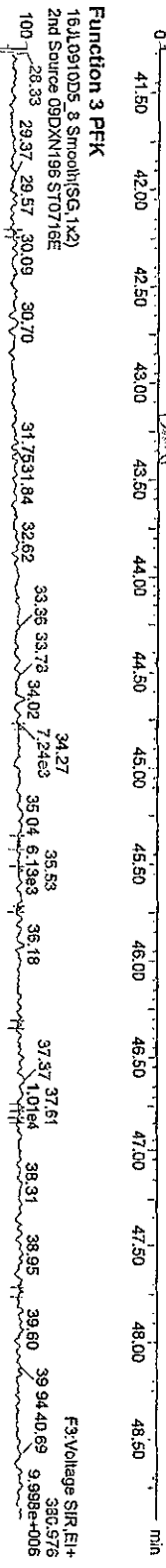
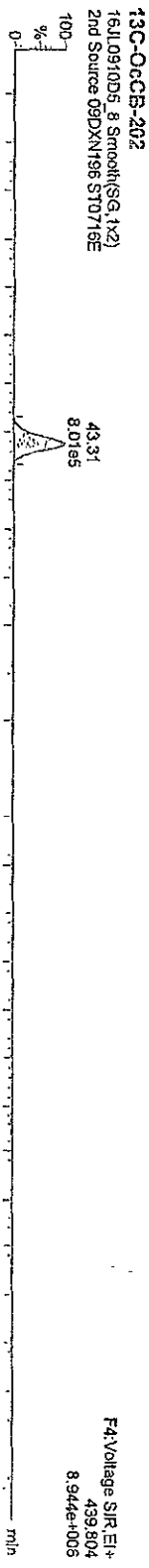
HPICBS



Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC2\ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196



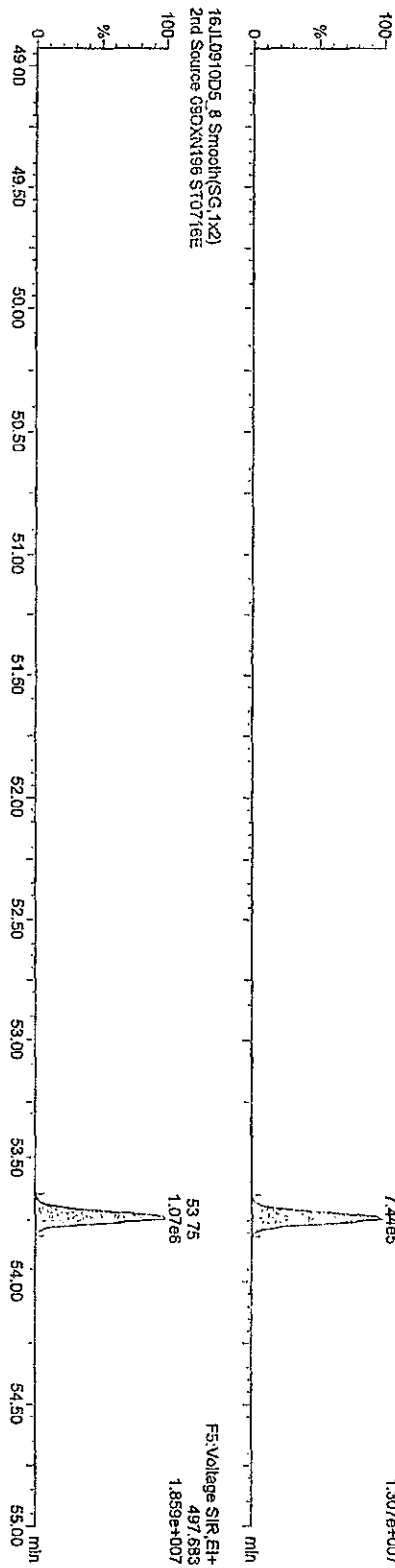
Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC2ndSource.qtd

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

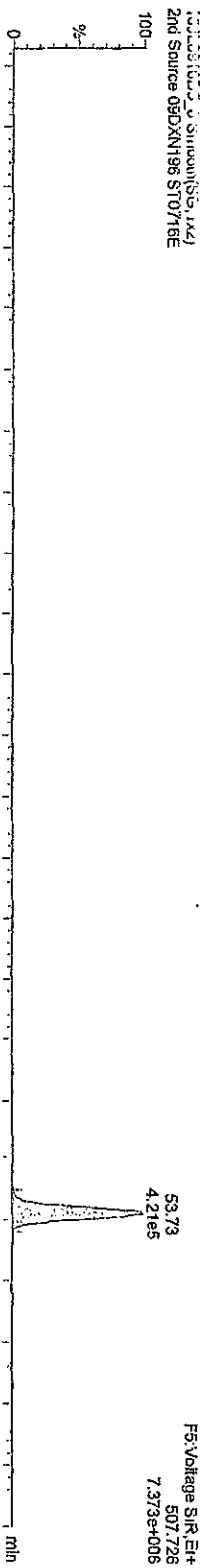
DaCB-209

16JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E

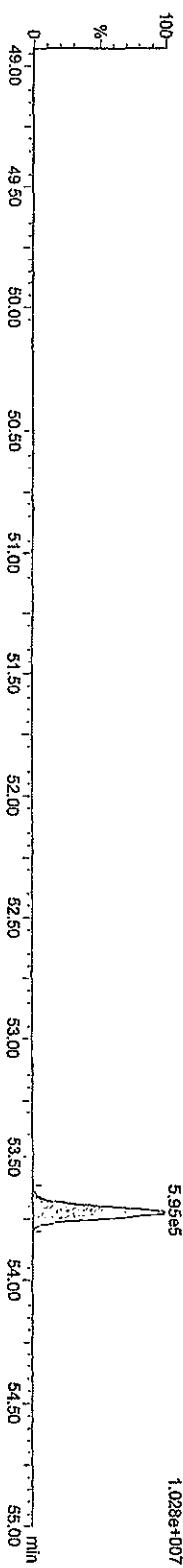


13C-DaCB-209

16JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E



16JL0910D5\_8 Smooth(SG,1x2)  
2nd Source 09DXN196 ST0716E

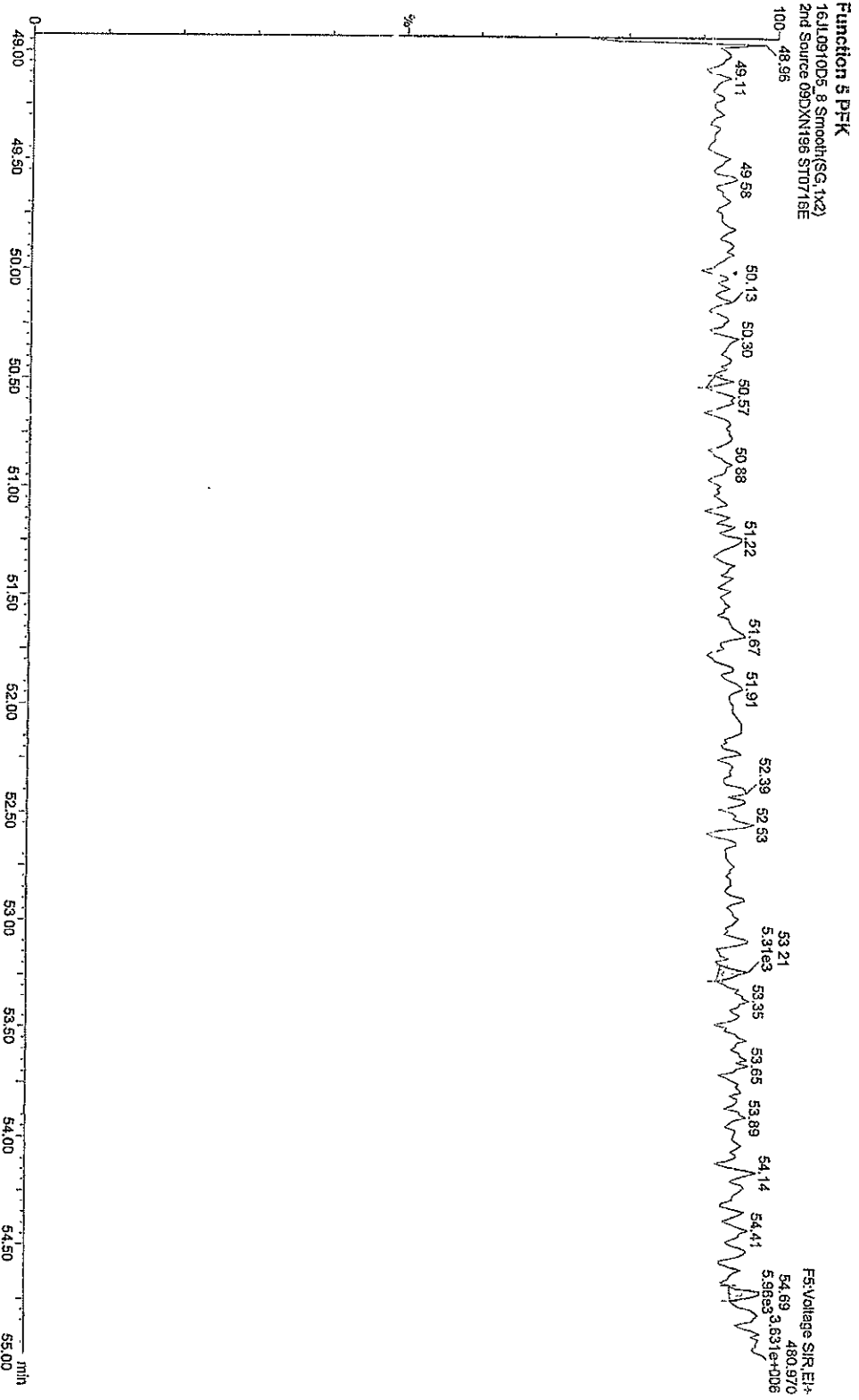


Quantity Sample Report Masslynx 4.1

Dataset: C:\Masslynx\Default\prol\CA0716200910D51668M\SLDEC2\ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16-Jul-09\10D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196





**Sample Extraction/Preparation Log**  
**Copies and Checklists**

TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: Gen et Lot Number: GAJ 280227 Date: 10/29/09  
 Test: 1668 PCB Batch Number: 9302231 <sup>or 10/29/09</sup> SOF Reference Number: WS-IDP-0005  
 Extraction: 1. Soxhlet On: 11:30 Off: 8:30 2. Soxhlet On: NA Off: NA

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or $\mu$ L) (circle one)	Final Conc'n
GAJ 280 227 - MB	Ref/Var	10/29/09	EL		20.0	
- LCS					20.0	
-1					20.0	
-2					20.0	
-3				11-04-09	20.0	11-04-09
-4					20.0	
-5					20.0	

All Samples/ Internal Standard (IS) addition: Standard Name: 1668 PCB daily IS Exp:  
 Spike ID Number: 09DAN31 Volume: 200  $\mu$ L Conc. 20  $\mu$ g/L 8/24/10  
 Spiked By: EC Witnessed By: EC Date: 10/29/09

LCS/LCSD: Standard Name: 1668 PCB daily native  
 Spike ID Number: 09DAN186 Volume: 200  $\mu$ L Conc. 20.40  $\mu$ g/L 5/20/10  
 Spiked By: EC Witnessed By: EC Date: 10/29/09

Pre-spike samples: MB only Standard Name: PCB daily surr  
 Spike ID Number: 09DAN281 Volume: 40  $\mu$ L Conc. 100  $\mu$ g/L 4/26/10  
 Spiked By: EC Witnessed By: EC Date: 10/29/09

All Samples /Recovery Standard: Standard Name: Daily RS  
 Spike ID Number: 09DAN094 Volume: 20  $\mu$ L Conc. 100  $\mu$ g/L  
 Spiked By: EC Witnessed By: EC Date: 11/04/09

Split/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
<u>ML 11/03/09</u>	<u>—</u>	<u>—</u>	<u>T.L 11/04/09</u>	<u>—</u>

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
DCM	JT Baker	<u>NA</u>	20% DCM:Hexane	NA	<u>NA</u>
Toluene	JT Baker	<u>H13NS1</u>	65% DCM:Hexane	NA	<u>NA</u>
Hexane	JT Baker	<u>H29E25</u>	Silica Gel	<u>Whatman</u>	<u>2-2-22</u>
H2SO4	JT Baker	<u>NA</u>	Acid Alumina	<u>NA</u>	<u>NA</u>

Comments: \_\_\_\_\_

## Preparation Data Review Checklist

Prep Batch(es) 9303:231 Test: 1668 PCB  
 Prep Date: 10/29/09 Holding Times: 11/2/16 NCM: Y N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	/
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	/
5. Spiking volumes are correctly documented	✓	/
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	/
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	/
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	/
2. Balance upload or raw data for weights is included	NA	/
3. Weights and volumes have been transcribed correctly to LIMS.	NA	/
4. Weights are not targeted to meet exact weights.	NA	/
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	/
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	/
2. Are dates and analysts for cleanups recorded?	NA	/
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	/
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMs entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: ECJ

Date: 10/29/09

2<sup>nd</sup> Level Reviewer: [Signature]

Date: 11/4/09

Comments:

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Data Checklist

HRGCMS/LRGCMS Analyses:

Lot ID #: G9J280227 Method ID: 1U6P  
 Sample # 1-5

Data Analyst:	<u>SP</u> <u>DB-5</u>	<u>DB-225</u>
Date initiated:	<u>11/24/09</u>	
Reviewer:	<u>JPC</u>	
Date reviewed:	<u>11/24/09</u>	

QA/QC verification:	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Daily standard package(s) present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Method Blank present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-LCS/DCS copy present and meets native recovery criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Internal standard recoveries within limits?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Ion ratios within + 15% of theoretical values?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Other QC (Dup,MS,SD) within specs?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Sample Analysis:	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Correct sample aliquot used?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-All raw data present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Standard target DL's used? If RL's are used specify: <u>1000</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-DL's below TDL / LCL (please circle)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-All positives reported at levels greater than method blank DL's?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Correct RRF's used for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Internal standard amounts correct for method?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Target analytes are not saturated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Dilution/splitting of extract taken into account?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Have dilution calculations been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Has a manual calculation for the sequence(s) been verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Are retention times (RT) correct?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-Manual integrations checked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Comments: (Use other side if necessary)

① 99526      ② 99528

\* Recovery limits:

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%*** (C14-C16), 25-130% (C17-8), 70-130% (surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLMD1.0:	25-150%***
Method 1614:	25-150%***

\*\*RPD limits:

50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

**SOLID, 1668,  
WHO PCB congeners**

# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

Quantity Sample Summary Report Masslynx 4.1

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 07:10:38 Pacific Standard Time

Printed: Tuesday, November 03, 2009 07:11:13 Pacific Standard Time

SMA 11-03-09

Name: 02NO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G91290159-6MB RI, Task:

#	Name	Trace	Sample Size	RT	Prod RT	RBF	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
1	13C-PeCB-101	335.924	10,000	31.76	31.75	1.000		856615.22	200.0000	200.0000	100.0	0.2305	0.617	0.610		NO
2																
3	13C-TeCB-81	301.963	10,000	33.67	33.65	1.040		629418.63	141.3242	141.3242	70.7	0.2343	0.774	0.770		NO
4	TeCB-81	289.922	10,000	33.69	33.67	1.458		634.04	0.1381	0.1232	<RL	0.0883	0.985	0.770		YES
5	13C-TeCB-77	301.963	10,000	34.36	34.34	1.104		680304.06	143.8335	143.8335	71.9	0.2206	0.824	0.770		NO
6	TeCB-77	289.922	10,000	34.38	34.36	1.271		1767.39	0.4089	0.3479	<RL	0.0984	0.588	0.770		YES
7																
8	13C-PeCB-123	335.924	10,000	36.04	36.02	0.993		701547.72	164.9106	164.9106	82.5	0.2321	0.635	0.610		NO
9	PeCB-123	323.883	10,000	36.04	36.04	1.505		464.05	0.0879	0.0679	<RL	0.1397	1.083	0.610		YES
10	13C-PeCB-118	335.924	10,000	36.21	36.19	1.024		745513.22	169.9687	169.9687	85.0	0.2251	0.631	0.610		NO
11	PeCB-118/106	323.883	10,000	36.24	36.21	1.525		8334.68	1.4659	1.4659	<RL	0.1332	0.616	0.610		NO
12	13C-PeCB-114	335.924	10,000	36.98	36.97	1.037		719661.28	162.0435	162.0435	81.0	0.2223	0.633	0.610		NO
13	PeCB-114	323.883	10,000	36.98	36.98	1.586		733656.72	174.5189	174.5189	87.3	0.2348	0.626	0.610		NO
14	13C-PeCB-105	335.924	10,000	38.05	38.05	0.982		4159.65	0.7912	0.7912	<RL	0.1424	0.689	0.610		NO
15	PeCB-105/127	323.883	10,000	38.05	38.05	1.433		817304.94	185.2663	185.2663	92.6	0.2238	0.626	0.610		NO
16	13C-PeCB-126	335.924	10,000	40.35	40.35	1.030		323.883	10,000	40.35	1.156					NO
17	PeCB-126	323.883	10,000	40.35	40.35	1.156		997276.81	200.0000	200.0000	100.0	0.0750	0.898	0.890		NO
18	13C-OcCB-202	439.804	10,000	43.17	43.16	1.000		680330.94	136.1021	136.1021	68.1	0.1535	1.272	1.240		NO
19	13C-HxCB-167	371.882	10,000	41.72	41.71	1.002		672440.72	171.7675	171.7675	85.9	0.1960	1.280	1.240		NO
20	HxCB-167	359.841	10,000	41.72	41.72	1.348		359.841	10,000	43.31	0.785					NO
21	13C-HxCB-156	371.882	10,000	43.31	43.29	0.785		359.841	10,000	43.31	1.688					NO
22	HxCB-156	359.841	10,000	43.31	43.31	1.688		371.882	10,000	43.69	0.835					NO
23	13C-HxCB-157	371.882	10,000	43.69	43.68	0.835		359.841	10,000	43.69	1.660					NO
24	HxCB-157	359.841	10,000	43.69	43.69	1.660		371.882	10,000	45.91	0.871					NO
25	13C-HxCB-169	371.882	10,000	45.91	45.90	0.871		359.841	10,000	45.91	1.098					NO
26	HxCB-169	359.841	10,000	45.91	45.91	1.098		405.843	10,000	44.47	0.684					NO
27	13C-HpCB-180	405.843	10,000	44.47	44.47	0.684		393.803	10,000	44.48	1.300					NO
28	HpCB-180	393.803	10,000	44.48	44.47	1.300		405.843	10,000	46.47	0.548					NO
29	13C-HpCB-170	405.843	10,000	46.47	46.47	0.548		393.803	10,000	46.50	1.615					YES
30	HpCB-170	393.803	10,000	46.50	46.47	1.615		405.843	10,000	48.35	0.698					NO
31	13C-HpCB-189	405.843	10,000	48.35	48.36	0.698		393.803	10,000	48.35	1.231					NO
32	HpCB-189	393.803	10,000	48.35	48.35	1.231										



Dataset: C:\MassLynx\Default\pro\02NNO0910D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 07:10:38 Pacific Standard Time  
 Printed: Tuesday, November 03, 2009 07:11:13 Pacific Standard Time

Name: 02NNO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G9J290159-GMB RI, Task:

#	Name	Trace	Sample Size	RT	Prod RT	RRF M	MS Resp	EDL	Ratio	Prod Ratio	Ratio	Mod Date
36												
37	13C-PeCB-111		335.924	10.000		33.51		1.305				
38									0.2213	0.610	NO	
39	Function 3 PFK		380.976	1.000		0.00						
40	Function 4 PFK		380.976	1.000		0.00						

Quantity Sample Summary Report Masslynx 4.1

Dataset: C:\Masslynx\Default\pro\02NOC0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:39:45 PM Pacific Standard Time

Name: 02NOC0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G91290159-6MB RI, Task:

# Name	Trace	Sample Size	RT	PI/RT	RRE	M	Abt Resp	pg	EMPG	%Rec	EDL	Ratio	Pr. Ratio	Ratio	Mod Data
1 13C-PeCB-101	335.924	10,000	31.76	31.75	1.000		856615.22	200,0000	200,0000	100.0	0.2305	0.617	0.610		NO
2															
3 13C-TeCB-81	301.963	10,000	33.68	33.65	1.040		629418.63	141.3242	141.3242	70.7	0.2343	0.774	0.770		NO
4 TeCB-81	289.922	10,000	33.69	33.68	1.458		634.04	0.1381	0.1232		0.0883	0.985	0.770		YES
5 13C-TeCB-77	301.963	10,000	34.36	34.34	1.104		680304.06	143.8335	143.8335	71.9	0.2206	0.824	0.770		NO
6 TeCB-77	289.922	10,000	34.38	34.36	1.271		1767.39	0.4089	0.3479		0.0984	0.588	0.770		YES
7															
8 13C-PeCB-123	335.924	10,000	36.04	36.02	0.993		701547.72	164.9106	164.9106	82.5	0.2321	0.635	0.610		NO
9 PeCB-123	323.883	10,000	36.24	36.04	1.505		8334.68	1.5784	1.5784		0.1397	0.616	0.610		NO
10 13C-PeCB-118	335.924	10,000	36.21	36.19	1.024		745513.22	169.9687	169.9687	85.0	0.2251	0.631	0.610		NO
11 PeCB-118/106	323.883	10,000		36.21	1.525						0.1332		0.610		NO
12 13C-PeCB-114	335.924	10,000	36.98	36.97	1.037		719661.28	162.0435	162.0435	81.0	0.2223	0.633	0.610		NO
13 PeCB-114	323.883	10,000		36.98	1.586						0.1337		0.610		NO
14 13C PeCB-105	335.924	10,000	38.05	38.05	0.982		733655.72	174.5189	174.5189	87.3	0.2348	0.626	0.610		NO
15 PeCB-105/127	323.883	10,000	38.05	38.05	1.433		4159.65	0.7912	0.7912		0.1424	0.689	0.610		NO
16 13C-PeCB-126	335.924	10,000	40.35	40.35	1.030		817304.94	185.2663	185.2663	92.6	0.2238	0.626	0.610		NO
17 PeCB-126	323.883	10,000		40.35	1.156						0.1621		0.610		NO
18															
19 13C-OcCB-202	439.804	10,000	43.17	43.16	1.000		997276.81	200.0000	200.0000	100.0	0.0750	0.898	0.890		NO
20															
21 13C-HxCB-167	371.882	10,000	41.73	41.71	1.002		680330.94	136.1021	136.1021	68.1	0.1535	1.272	1.240		NO
22 HxCB-167	359.841	10,000		41.73	1.348						0.3449		1.240		NO
23 13C-HxCB-156	371.882	10,000	43.31	43.29	0.785		672440.72	171.7675	171.7675	85.9	0.1960	1.280	1.240		NO
24 HxCB-156	359.841	10,000		43.31	1.688						0.2793		1.240		NO
25 13C-HxCB-157	371.882	10,000	43.69	43.68	0.835		655327.91	157.3435	157.3435	78.7	0.1842	1.284	1.240		NO
26 HxCB-157	359.841	10,000		43.69	1.660						0.2930		1.240		NO
27 13C-HxCB-169	371.882	10,000	45.91	45.90	0.871		680328.13	156.5944	156.5944	78.3	0.1766	1.346	1.240		NO
28 HxCB-169	359.841	10,000		45.91	1.098						0.4363		1.240		NO
29															
30 13C-HpCB-180	405.843	10,000	44.47	44.47	0.684		644591.38	188.9841	188.9841	94.5	0.1159	1.051	1.050		NO
31 HpCB-180	393.803	10,000	44.48	44.47	1.300		7895.74	1.8840	1.8840		0.3168	0.948	1.050		NO
32 13C-HpCB-170	405.843	10,000	46.46	46.47	0.548		553474.44	202.6486	202.6486	101.3	0.1448	1.042	1.050		NO
33 HpCB-170	393.803	10,000	46.50	46.46	1.615		3711.32	0.8304	0.4946		0.3080	2.513	1.050		YES
34 13C-HpCB-189	405.843	10,000	48.35	48.36	0.698		749157.13	215.3463	215.3463	107.7	0.1137	1.065	1.050		NO
35 HpCB-189	393.803	10,000		48.35	1.231						0.2681		1.050		NO

Dataset: C:\MassLynx\Default\proj\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:39:45 PM Pacific Standard Time

Name: 02NO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G9J290159-6MB RI, Task:

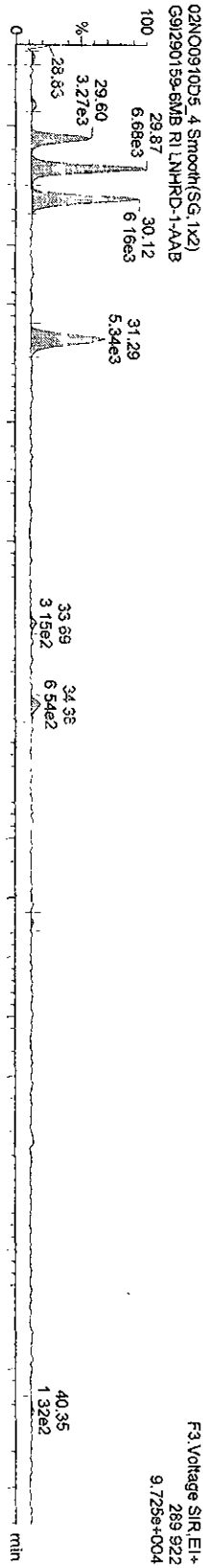
#	Name	Trace	Sample Size	RT	Prod RT	RF	RF	Abs. Resp	pg	EMPC	%Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
36																
37	13C-PeCB-111		335.924	10.000		33.51	1.305					0.2213		0.610		NO
38																
39	Function 3 PFK		380.976	1.000		0.00										
40	Function 4 PFK		380.976	1.000		0.00										

Dataset: C:\MassLynx\Default.pro\02N00910D5\1668MSL.qld

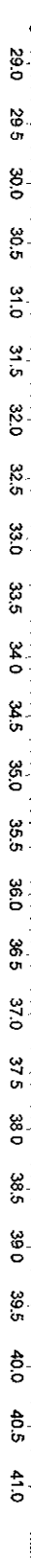
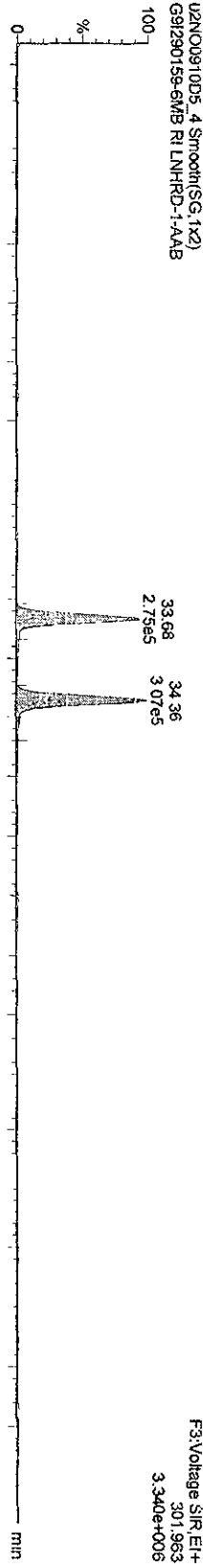
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02N00910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G91290159-6MB RI

**TetraPCBs**



**1,3,5-Trifluorobenzene**

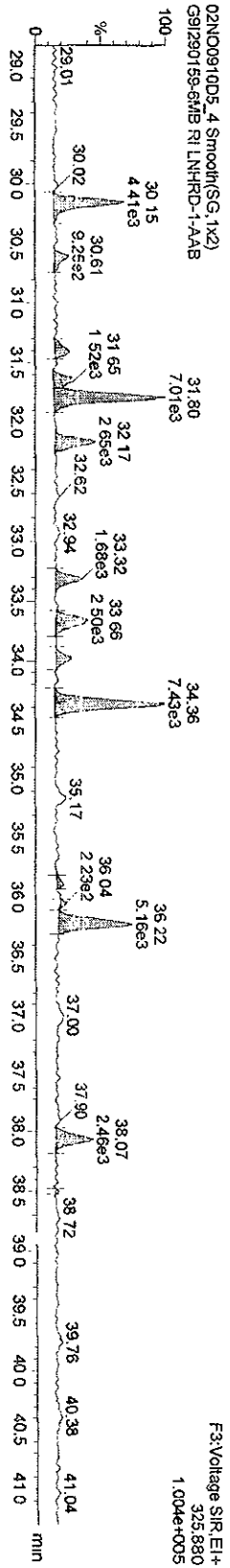
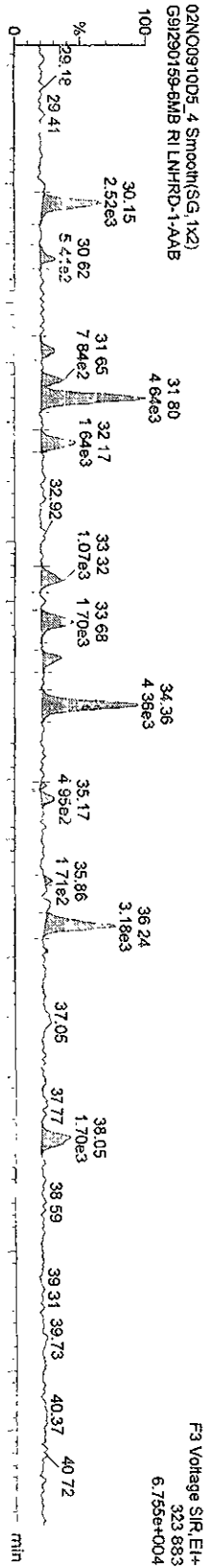


Dataset C:\Masslynx\Default\pro\02N00910D5\1668MSL.qld

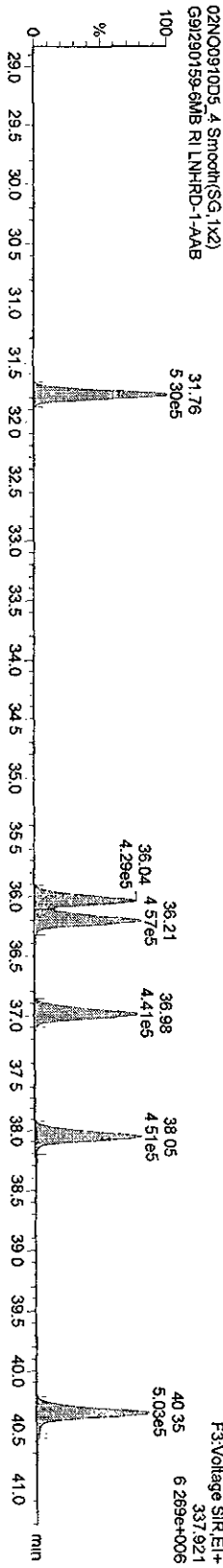
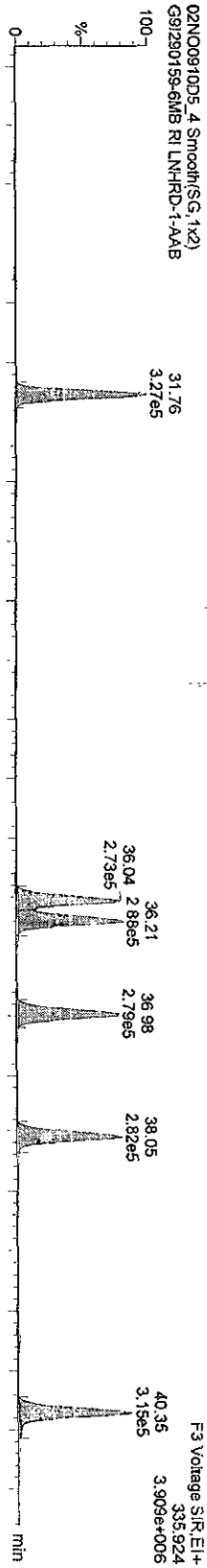
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02N00910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHHRD-1-AAB, Description: G91290159-6MB RI

PePCBs



13C-PCBs

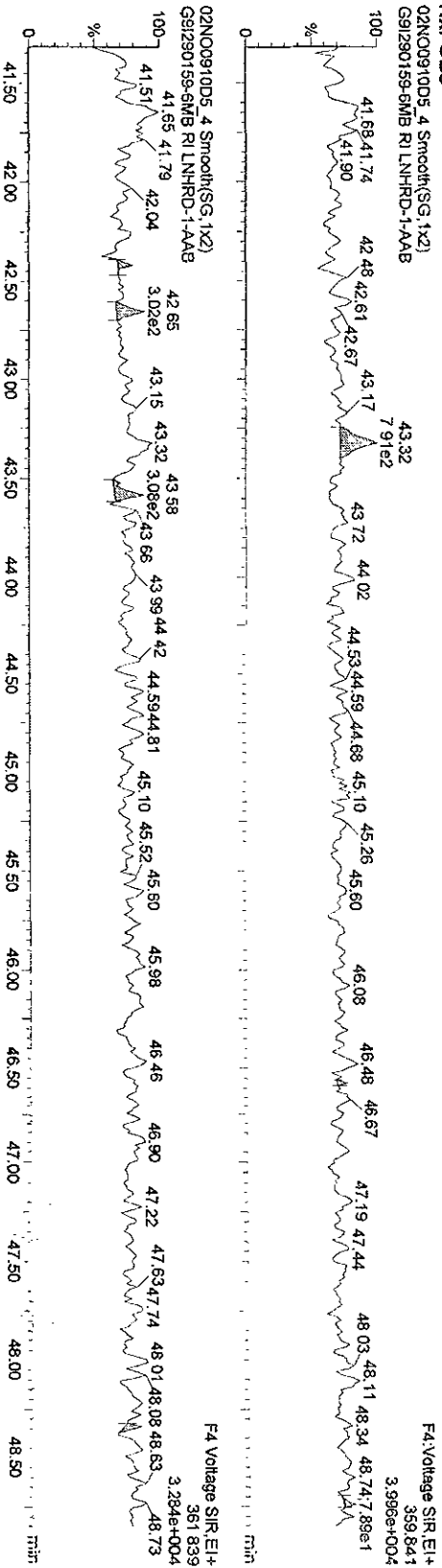


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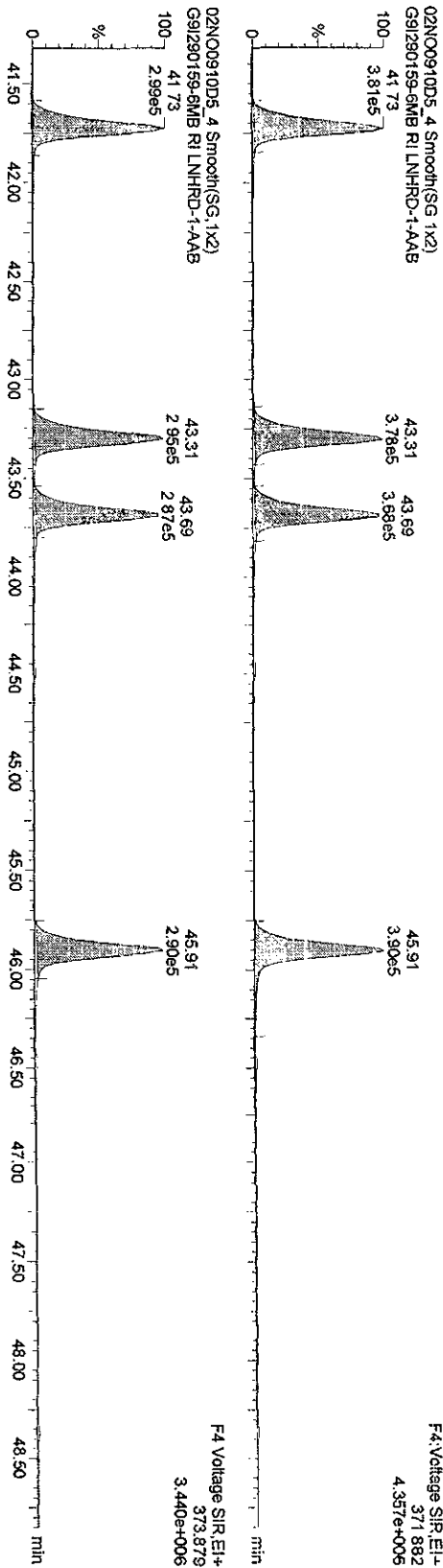
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Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02N00910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G91290159-6MIB RI

HXPCBS-



<sup>13</sup>C-HXPCBS



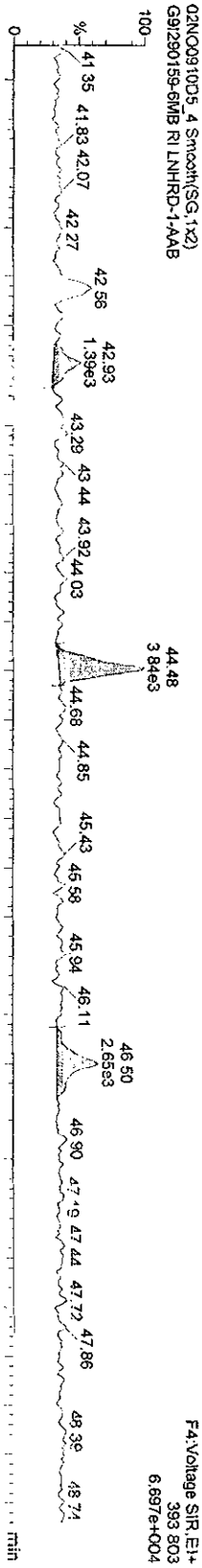
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Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

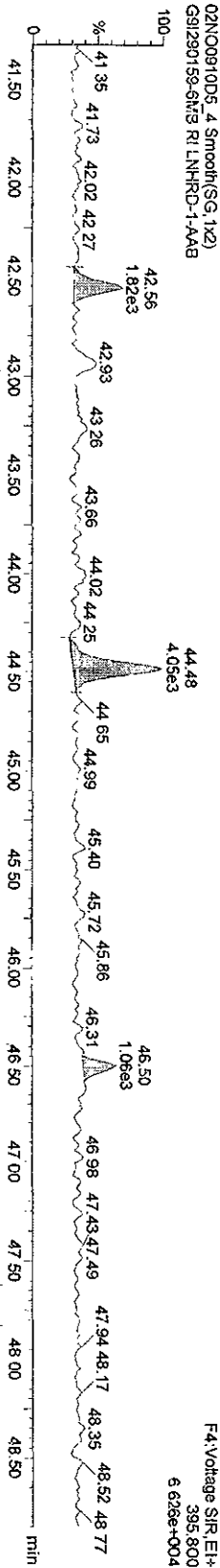
Name: 02NO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G91290159-6MB RI

**HPPCBs**

02NO0910D5\_4 Smooth(SG, 1x2)  
G91290159-6MB RI LNHRD-1-AAB

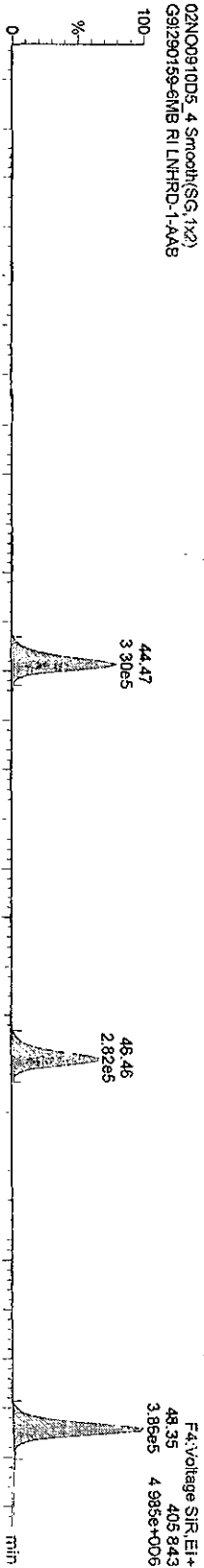


02NO0910D5\_4 Smooth(SG, 1x2)  
G91290159-6MB RI LNHRD-1-AAB

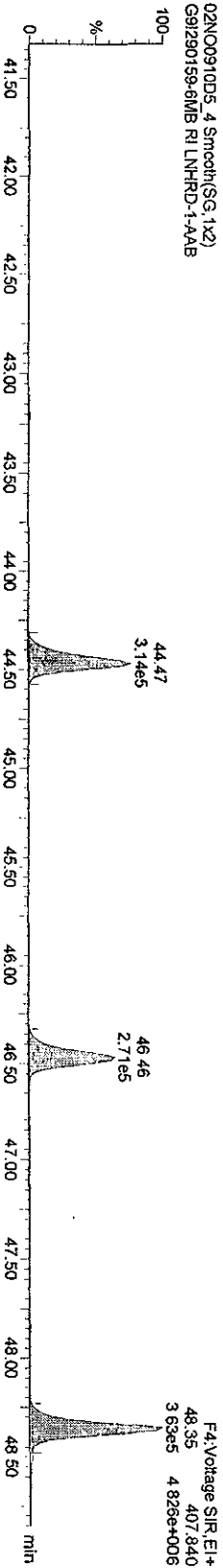


**13C-HPPCBs**

02NO0910D5\_4 Smooth(SG, 1x2)  
G91290159-6MB RI LNHRD-1-AAB



02NO0910D5\_4 Smooth(SG, 1x2)  
G91290159-6MB RI LNHRD-1-AAB



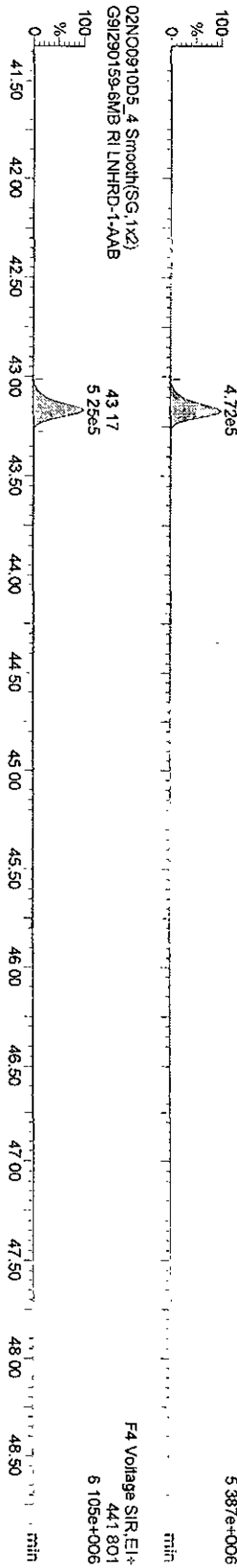
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Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_4, Date: 02-Nov-2009, Time: 11:03:47, ID: LNHRD-1-AAB, Description: G91290159-6MB RI

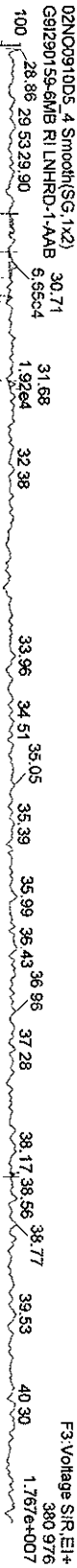
13C-OCCB-202

02NO0910D5\_4 Smooth(SG,1x2)  
G91290159-6MB RI LNHRD-1-AAB



F4 Voltage SIR.EI+  
439.804  
5.387e+006

Function 3 PFK

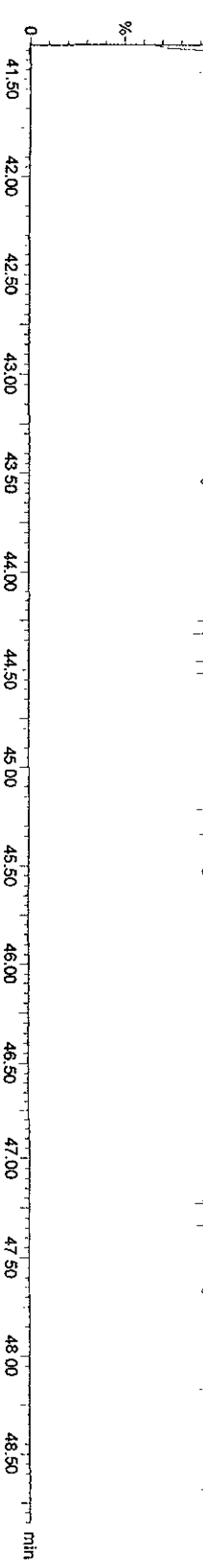


F3 Voltage SIR.EI+  
380.976  
1.767e+007

Function 4 PFK



F4 Voltage SIR.EI+  
380.976  
1.558e+007





Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro12\NO0910D51668\MSL.qld

SMA 11-03-09

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:39:45 PM Pacific Standard Time

Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G91290159-6LCS RI, Task:

#	Name	Trace	Sample Size	RT	Prct RT	RR	M	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Pct Ratio	Ratio	Mod Date
1	13C-PeCB-101	335.924	10.000	31.76	31.75	1.000		928442.56	200.0000	200.0000	100.0	0.1991	0.619	0.610	NO	
2																
3	13C-TeCB-81	301.963	10.000	33.68	33.65	1.040		777381.69	161.0431	161.0431	80.5	0.2055	0.780	0.770	NO	
4	TeCB-81	289.922	10.000	33.69	33.68	1.458		927318.28	163.5882	163.5882	79.8	0.1935	0.776	0.770	NO	
5	13C-TeCB-77	301.963	10.000	34.35	34.34	1.104		818589.84	159.6813	159.6813	79.8	0.1935	0.776	0.770	NO	
6	TeCB-77	289.922	10.000	34.38	34.35	1.271		837276.06	160.9983	160.9983	79.8	0.1935	0.776	0.770	NO	
7																
8	13C-PeCB-123	335.924	10.000	36.02	36.02	0.993		862540.50	187.0689	187.0689	93.5	0.2005	0.618	0.610	NO	
9	PeCB-123	323.883	10.000	36.06	36.02	1.505		1110974.88	171.1223	171.1223	94.8	0.1944	0.624	0.610	NO	
10	13C-PeCB-118	335.924	10.000	36.19	36.19	1.024		900988.84	189.5259	189.5259	94.8	0.1944	0.624	0.610	NO	
11	PeCB-118/106	323.883	10.000	36.23	36.19	1.525		1183585.75	172.2400	172.2400	88.6	0.1920	0.632	0.610	NO	
12	13C-PeCB-114	335.924	10.000	36.98	36.97	1.037		853313.19	177.2730	177.2730	88.6	0.1920	0.632	0.610	NO	
13	PeCB-114	323.883	10.000	37.01	36.98	1.586		1238070.97	182.9594	182.9594	95.9	0.2026	0.623	0.610	NO	
14	13C PeCB-105	335.924	10.000	38.05	38.05	0.982		874295.63	191.8841	191.8841	95.9	0.2026	0.623	0.610	NO	
15	PeCB-105/127	323.883	10.000	38.07	38.05	1.433		1080689.75	172.4831	172.4831	102.1	0.1933	0.626	0.610	NO	
16	13C-PeCB-126	335.924	10.000	40.35	40.35	1.030		976438.97	204.2152	204.2152	102.1	0.1933	0.626	0.610	NO	
17	PeCB-126	323.883	10.000	40.37	40.35	1.156		967670.39	171.4841	171.4841	102.1	0.1933	0.626	0.610	NO	
18																
19	13C-OcCB-202	439.804	10.000	43.17	43.16	1.000		1084843.16	200.0000	200.0000	100.0	0.0707	0.883	0.890	NO	
20																
21	13C-HxCB-167	371.882	10.000	41.73	41.71	1.002		797103.72	146.5913	146.5913	73.3	0.1723	1.270	1.240	NO	
22	HxCB-167	359.841	10.000	41.74	41.73	1.348		1005885.13	187.2346	187.2346	73.3	0.1723	1.270	1.240	NO	
23	13C-HxCB-156	371.882	10.000	43.31	43.29	0.785		793412.66	186.3094	186.3094	93.2	0.2200	1.275	1.240	NO	
24	HxCB-156	359.841	10.000	43.32	43.31	1.688		1041712.19	155.5259	155.5259	93.2	0.2200	1.275	1.240	NO	
25	13C-HxCB-157	371.882	10.000	43.68	43.68	0.835		772391.00	170.4810	170.4810	85.2	0.2068	1.264	1.240	NO	
26	HxCB-157	359.841	10.000	43.71	43.68	1.660		1073359.81	167.4641	167.4641	85.2	0.2068	1.264	1.240	NO	
27	13C-HxCB-169	371.882	10.000	45.91	45.90	0.871		792841.69	167.7617	167.7617	83.9	0.1982	1.273	1.240	NO	
28	HxCB-169	359.841	10.000	45.92	45.91	1.098		798956.03	183.5011	183.5011	83.9	0.1982	1.273	1.240	NO	
29																
30	13C-HpCB-180	405.843	10.000	44.47	44.47	0.684		745791.09	201.0050	201.0050	100.5	0.1443	1.063	1.050	NO	
31	HpCB-180	393.803	10.000	44.48	44.47	1.300		838299.00	172.8825	172.8825	109.1	0.1802	1.077	1.050	NO	
32	13C-HpCB-170	405.843	10.000	46.47	46.47	0.548		648427.25	218.2510	218.2510	109.1	0.1802	1.077	1.050	NO	
33	HpCB-170	393.803	10.000	46.50	46.47	1.615		856719.81	163.6186	163.6186	109.1	0.1802	1.077	1.050	NO	
34	13C-HpCB-189	405.843	10.000	48.36	48.36	0.696		868881.34	229.6010	229.6010	114.8	0.1415	1.046	1.050	NO	
35	HpCB-189	393.803	10.000	48.37	48.36	1.231		867200.59	162.1912	162.1912	114.8	0.1415	1.046	1.050	NO	

Dataset: C:\MassLynx\Default\pro\02NNO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:39:45 PM Pacific Standard Time

Name: 02NNO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G9J290159-6LCS RI, Task:

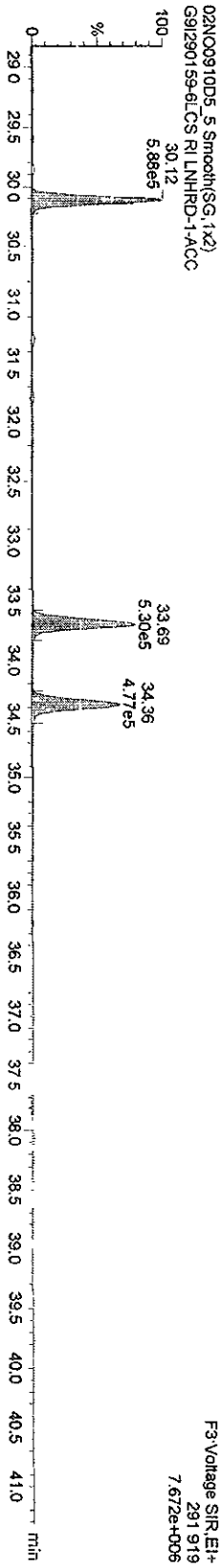
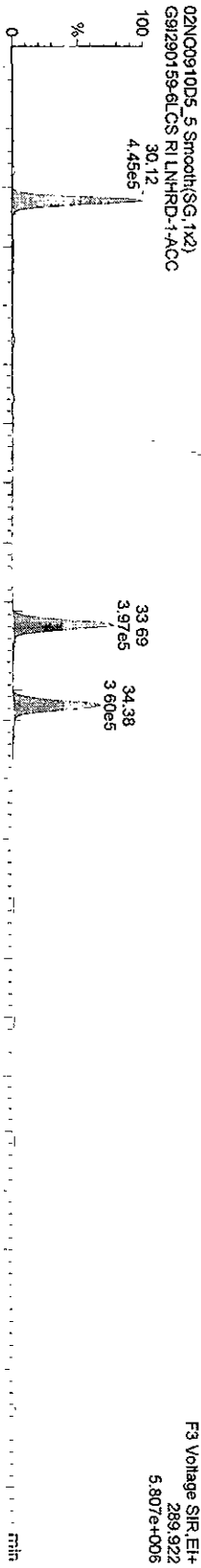
Name	Trace	Sample Size	RT	Prod RT	PFK M	Area Resp	pg	EMPC	%Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
36														
37	13C-PeCB-111	335.924	10.000	33.51	1.305					0.1775		0.610		NO
38														
39	Function 3 PFK	380.976	1.000											
40	Function 4 PFK	380.976	1.000											

Dataset: C:\MassLynx\Default\proj\02NO0910D5\1668MSL.qld

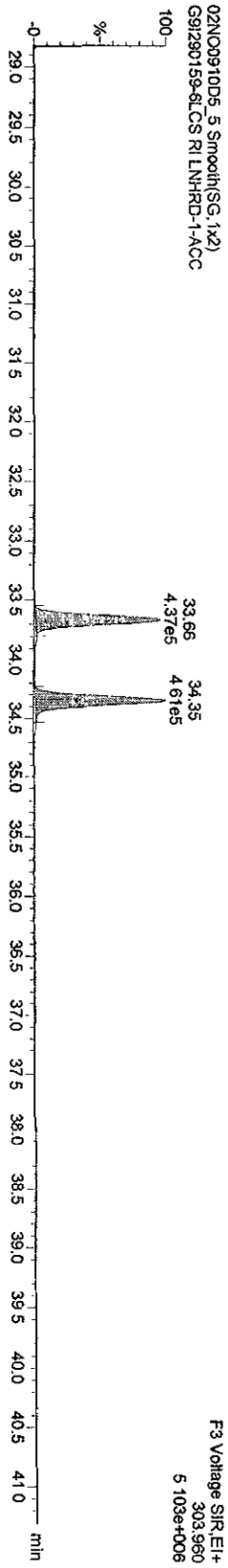
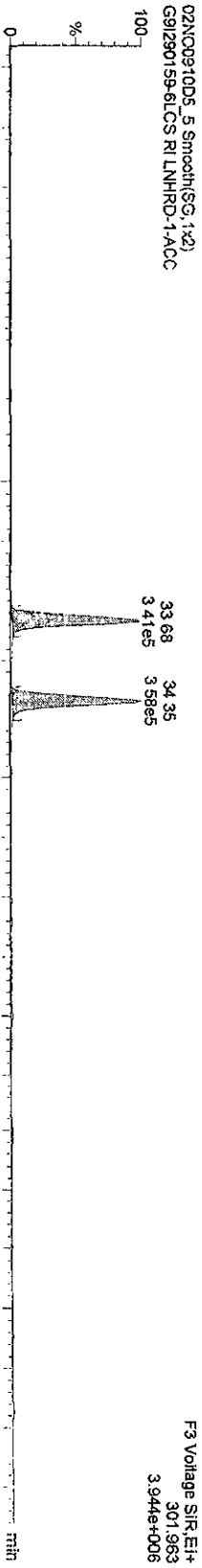
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G91290159-6LCS RI

TetraPCBs



13C-TetraPCBs

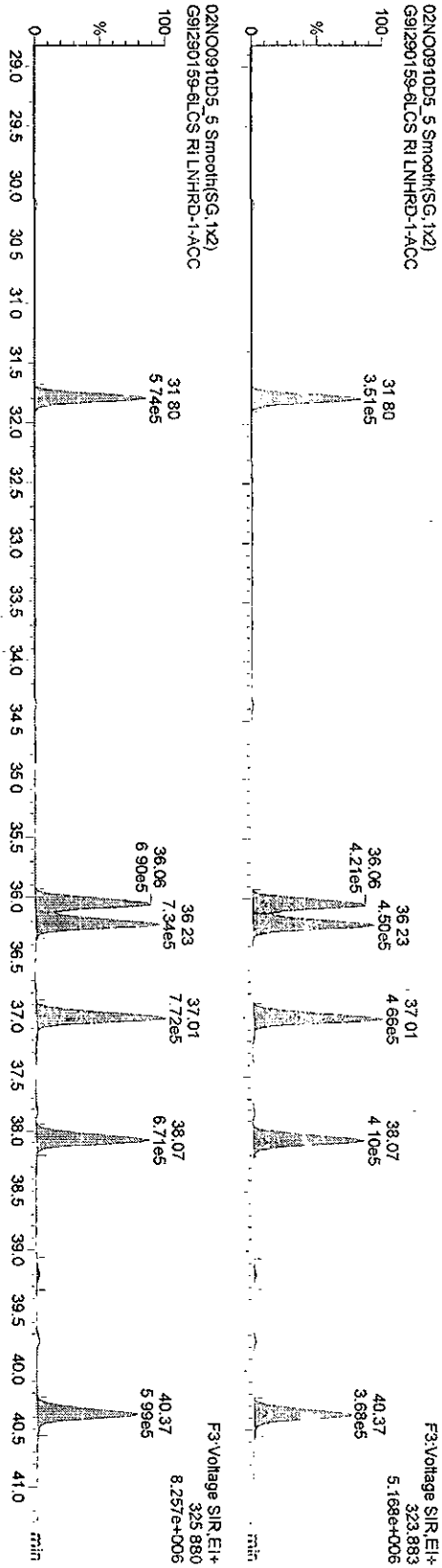


Dataset: C:\Masslynx\Default\pro\02NO0910D51668MSL.qld

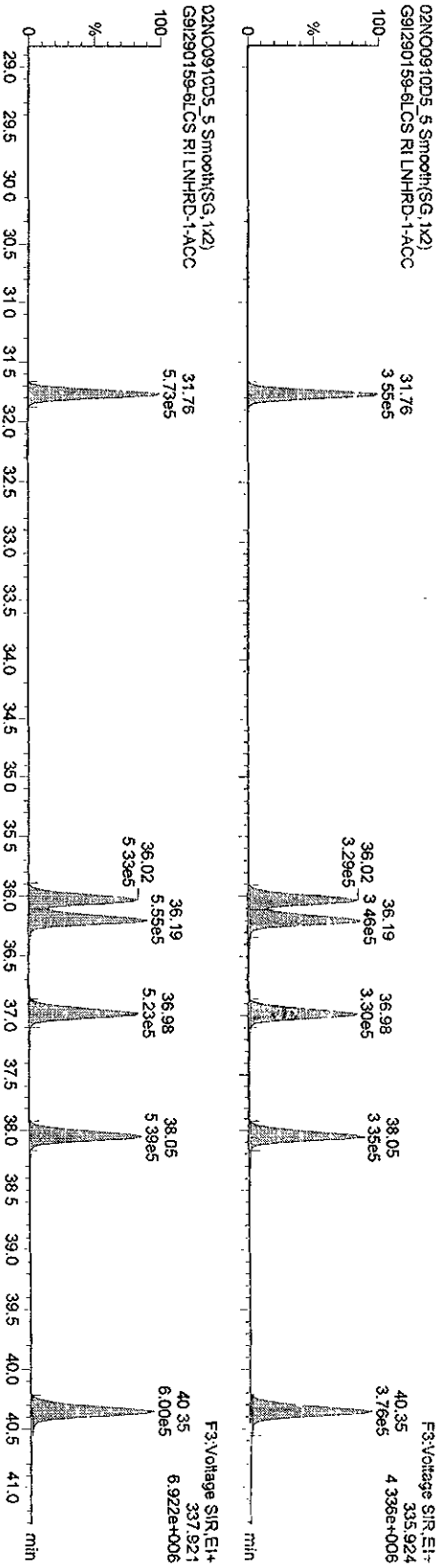
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G91290159-6LCS RI

PePCBs



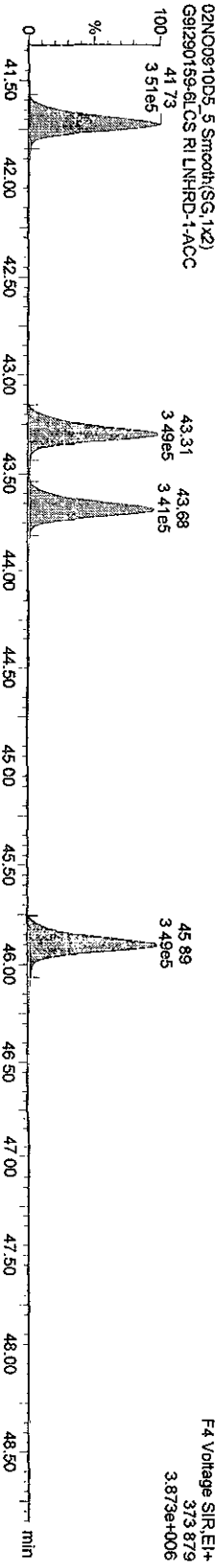
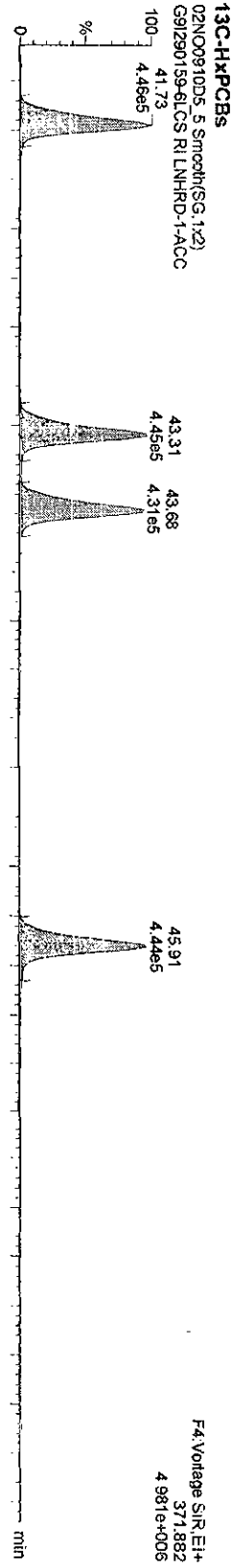
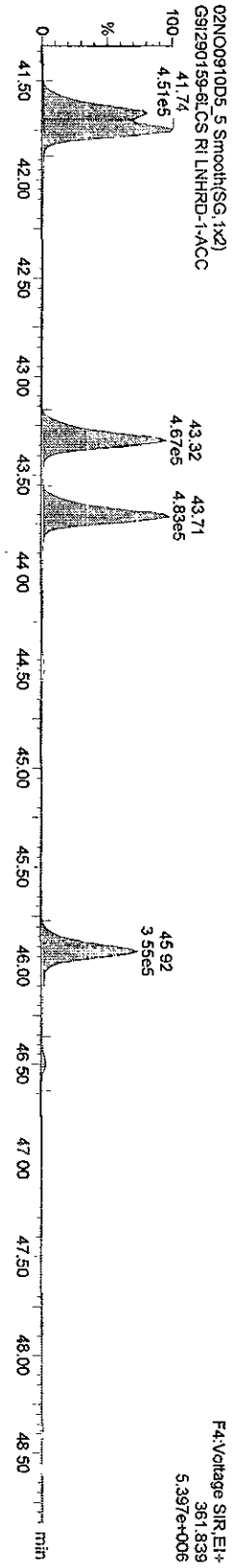
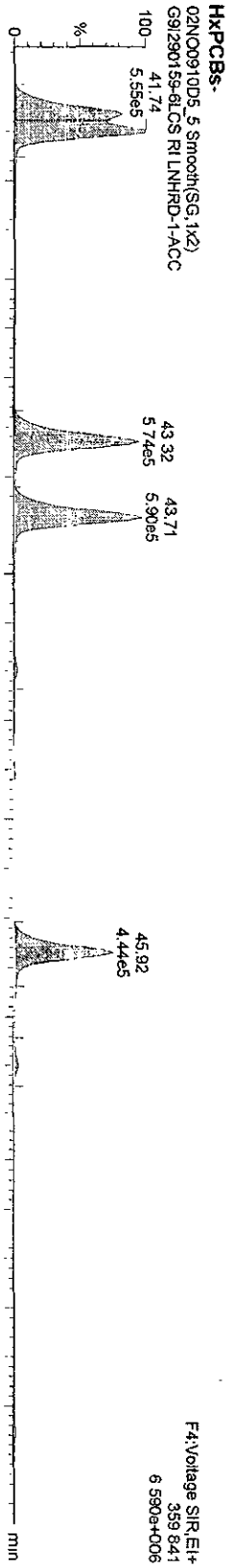
13C-PCBs



Dataset: C:\MassLynx\Default\pro\02N00910D5\1668M\SL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02N00910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G91290159-8LCS RI



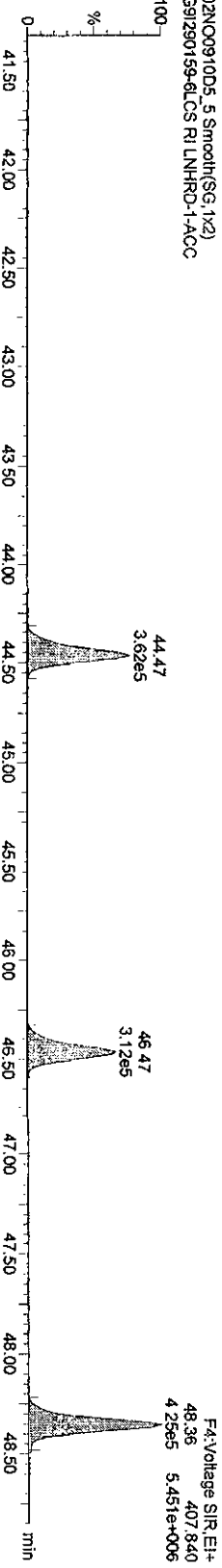
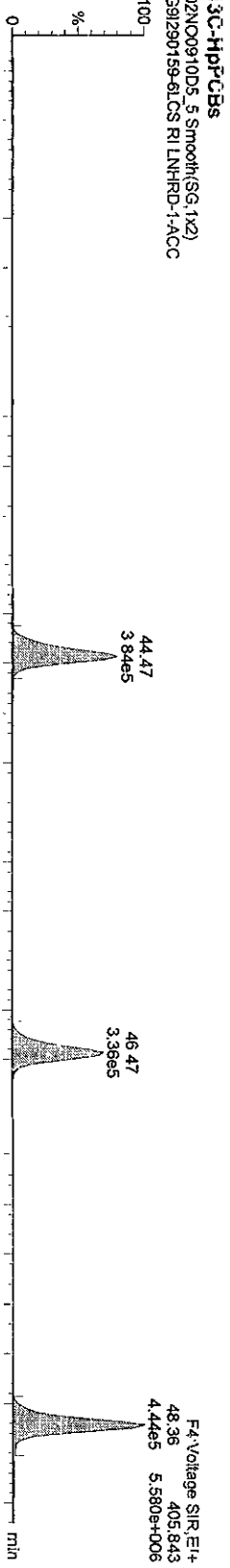
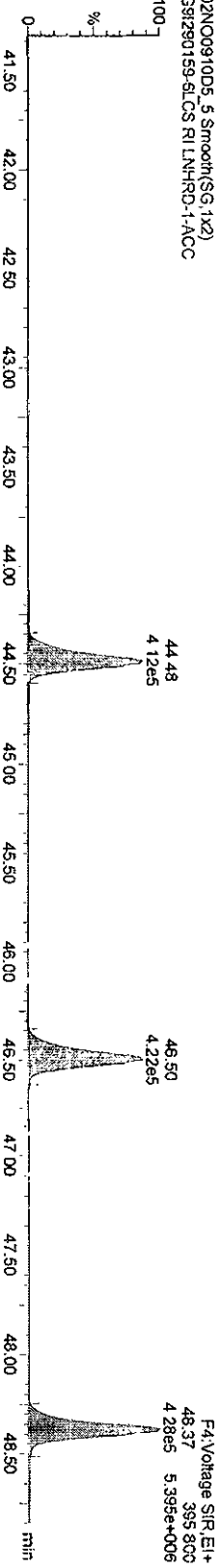
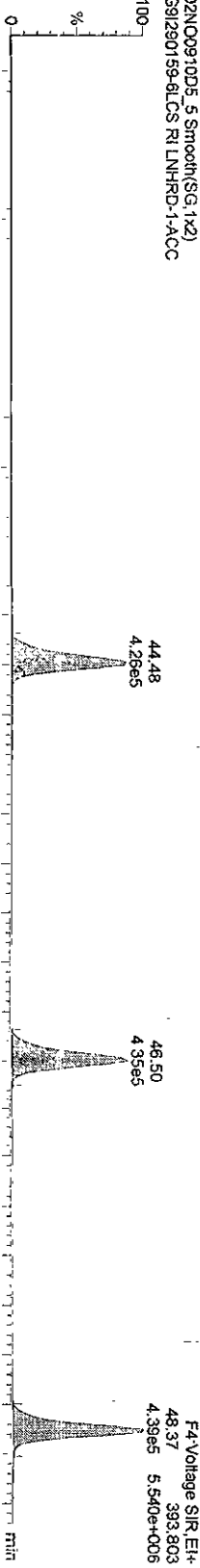
Dataset: C:\MassLynx\Default\pro\02NO0910D5\1668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time

Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:36, ID: LNHRD-1-ACC, Description: G91290159-6LCS RI

HPCCBs

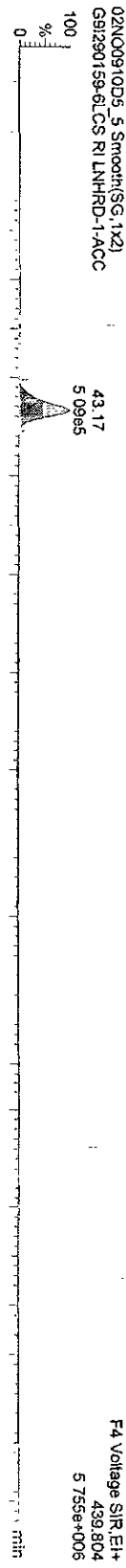


Dataset C:\MassLynx\Default\pro\02NO0910D5\1668MSL.qld

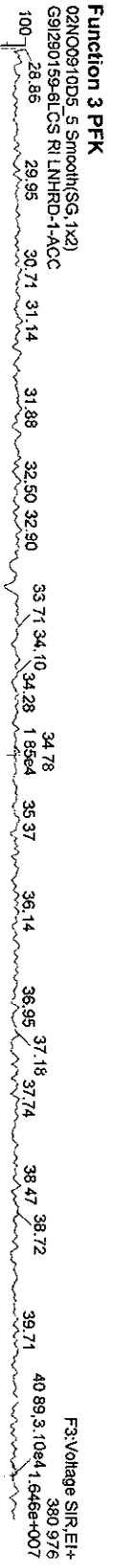
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_5, Date: 02-Nov-2009, Time: 12:00:38, ID: LNHRD-1-ACC, Description: G91290159-6LCS RI

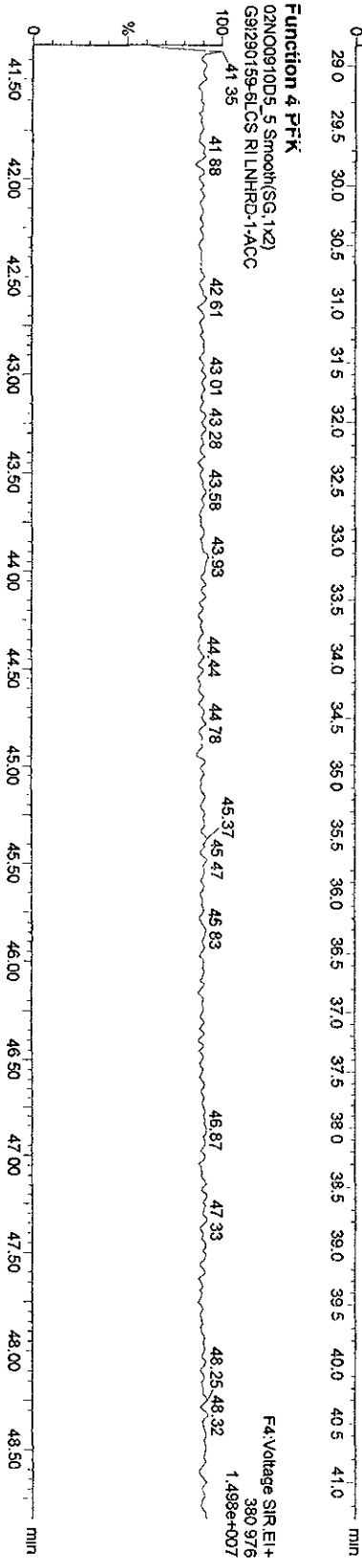
13C-OCCB-202



Function 3 PFK



Function 4 PFK



Dataset: C:\MassLynx\Default\pro102NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
 Printed: Tuesday, November 03, 2009 06:56:44 Pacific Standard Time

Name: 02NO09A10D5\_5, Date: 02-Nov-2009, Time: 19:57:24, ID: LNE02-1-AA, Description: G9J280227-6-RI, Task:

*RL 3.4 18/g*  
*mg 11/04/09*  
*(4)*

# Name	Trace	Sample Size	RT	Prd RT	RFM	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	5.850	31.88	31.75	1.000	541770.80	341.8803	341.8803	100.0	0.4525	0.631	0.610	NO	
2														
3 13C-TeCB-81	301.963	5.850	33.76	33.77	1.040	561555.83	340.7880	340.7880	99.7	0.4580	0.793	0.770	NO	
4 TeCB-81	289.922	5.850	33.76	33.76	1.458	1689.53	0.7053	0.7053		0.1391	0.715	0.770	NO	
5 13C-TeCB-77	301.963	5.850	34.45	34.46	1.104	507636.14	290.0841	290.0841	84.8	0.4313	0.787	0.770	NO	
6 TeCB-77	289.922	5.850	34.46	34.45	1.271	6660.91	3.5306	3.5306	NO.9	0.1708	0.722	0.770	NO	
7														
8 13C-PeCB-123	335.924	5.850	36.13	36.14	0.993	538680.47	342.2448	342.2448	100.1	0.4556	0.620	0.610	NO	
9 PeCB-123	323.883	5.850	36.16	36.13	1.505	2578.14	1.0869	4.0869		0.2291	0.568	0.610	NO	
10 13C-PeCB-118	335.924	5.850	36.29	36.31	1.024	567068.00	349.4324	349.4324	102.2	0.4419	0.625	0.610	NO	
11 PeCB-118/106	323.883	5.850	36.31	36.29	1.525	46638.51	18.4337	18.4337	/	0.2119	0.600	0.610	NO	
12 13C-PeCB-114	335.924	5.850	37.08	37.09	1.037	542279.19	330.0203	330.0203	96.5	0.4364	0.623	0.610	NO	
13 PeCB-114	323.883	5.850	37.10	37.08	1.586	1315.01	0.5227	0.4819		0.2146	0.736	0.610	YES	
14 13C-PeCB-105	335.924	5.850	38.14	38.17	0.982	541419.83	348.0956	348.0956	101.8	0.4610	0.631	0.610	NO	
15 PeCB-105/127	323.883	5.850	38.15	38.14	1.433	20576.78	9.0655	9.0655	/	0.2332	0.645	0.610	NO	
16 13C-PeCB-126	335.924	5.850	40.45	40.47	1.030	569014.84	348.6183	348.6183	102.0	0.4393	0.611	0.610	NO	
17 PeCB-126	323.883	5.850	40.45	40.45	1.156					0.2358		0.610	NO	
18														
19 13C-OcCB-202	439.804	5.850	43.24	43.16	1.000	609399.91	341.8803	341.8803	100.0	0.1432	0.873	0.890	NO	
20														
21 13C-HxCB-167	371.882	5.850	41.82	41.78	1.002	547056.97	306.1502	306.1502	89.5	0.2448	1.269	1.240	NO	
22 HxCB-167	359.841	5.850	41.85	41.82	1.348	4205.18	1.9496	1.9496		0.4126	1.353	1.240	NO	
23 13C-HxCB-156	371.882	5.850	43.38	43.36	0.785	534506.80	381.9422	381.9422	111.7	0.3126	1.283	1.240	NO	
24 HxCB-156	359.841	5.850	43.41	43.38	1.688	6571.82	2.4896	2.4896		0.3492	1.293	1.240	NO	
25 13C-HxCB-157	371.882	5.850	43.77	43.75	0.835	529330.81	355.5288	355.5288	104.0	0.2938	1.269	1.240	NO	
26 HxCB-157	359.841	5.850	43.80	43.77	1.660	1717.25	0.6683	0.5702		0.3494	0.895	1.240	YES	
27 13C-HxCB-169	371.882	5.850	46.00	45.97	0.871	440795.61	283.8262	283.8262	83.0	0.2817	1.284	1.240	NO	
28 HxCB-169	359.841	5.850	46.00	46.00	1.098					0.6547		1.240	NO	
29														
30 13C-HpCB-180	405.843	5.850	44.56	44.54	0.684	440798.36	361.5249	361.5249	105.7	0.3008	1.072	1.050	NO	
31 HpCB-180	393.803	5.850	44.59	44.56	1.300	16885.24	10.0712	10.0712	NA	0.5569	1.079	1.050	NO	
32 13C-HpCB-170	405.843	5.850	46.56	46.54	0.548	263036.98	269.4142	269.4142	78.8	0.3756	1.073	1.050	NO	
33 HpCB-170	393.803	5.850	46.57	46.56	1.615	5010.95	4.0328	3.0043	NA	0.7561	0.617	1.050	YES	
34 13C-HpCB-189	405.843	5.850	48.43	48.43	0.698	141003.73	113.3842	113.3842	33.2	0.2949	1.053	1.050	NO	
35 HpCB-189	393.803	5.850	48.43	48.43	1.231					1.6381		1.050	NO	



Dataset: C:\Masslynx\Default.pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
 Printed: Tuesday, November 03, 2009 06:56:44 Pacific Standard Time

Name: 02NO09A10D5\_5, Date: 02-Nov-2009, Time: 19:57:24, ID: LNE02-1-AA, Description: G9J280227-6 RI, Task:

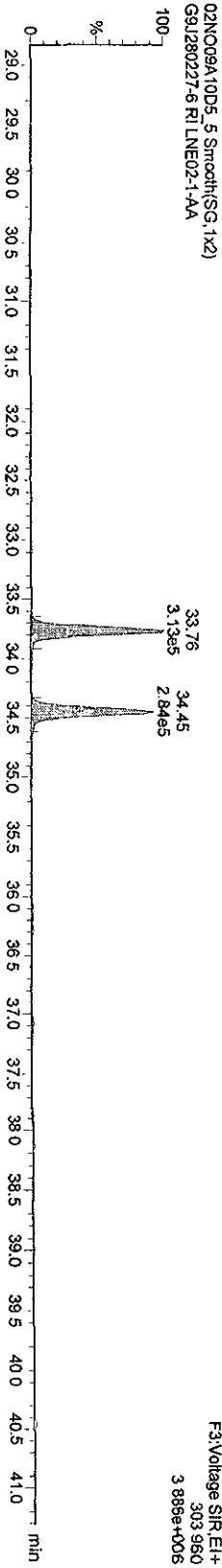
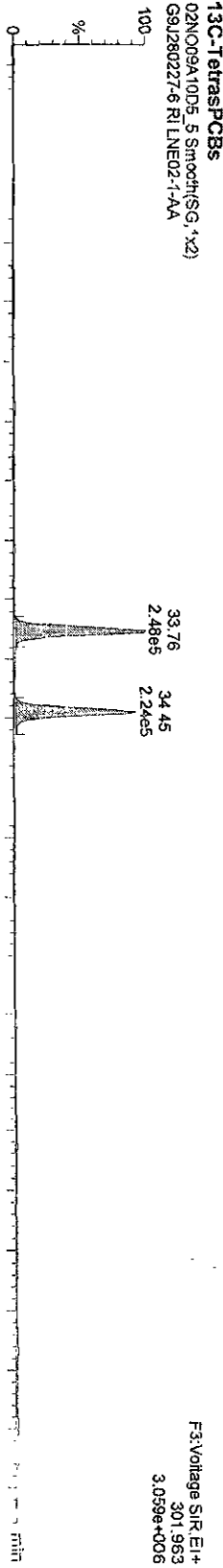
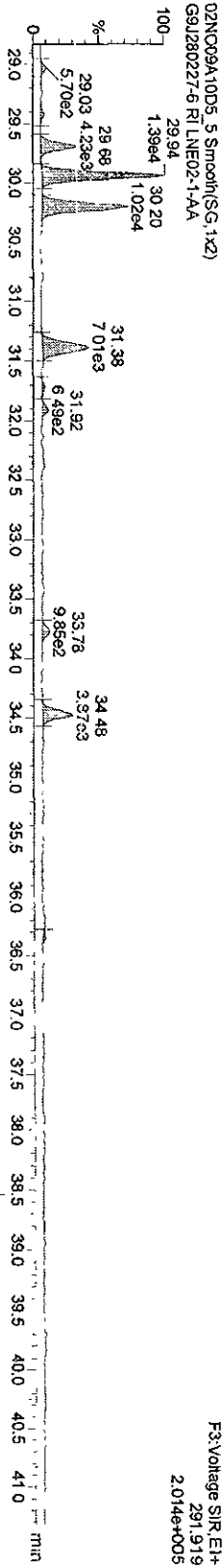
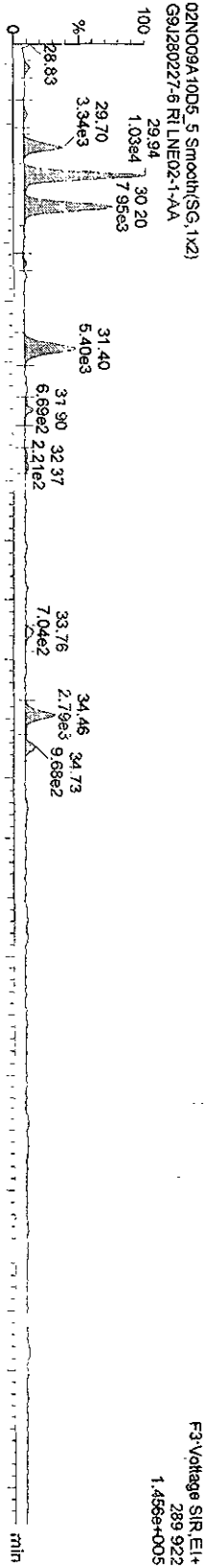
#	Name	Trace	Sample Size	RI	Pd RI	RRF	M	Abs Resp	pg	EMPC	%Rec	FDL	Ratio	Pd Ratio	Ratio	Mod Date
36																
37	13C-PecB-111		335.924		33.51		1.305									
38													0.3332		0.610	NO
39	Function 3 PFK		380.976					1.000								
40	Function 4 PFK		380.976					1.000								

Dataset: C:\Masslynx\Default\pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_5, Date: 02-Nov-2009, Time: 19:57:24, ID: LNE02-1-AA, Description: G9J280227-6 RI

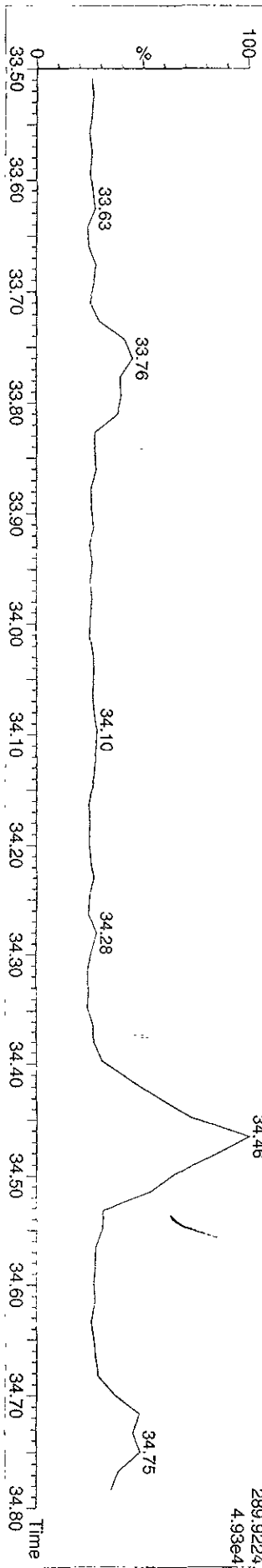
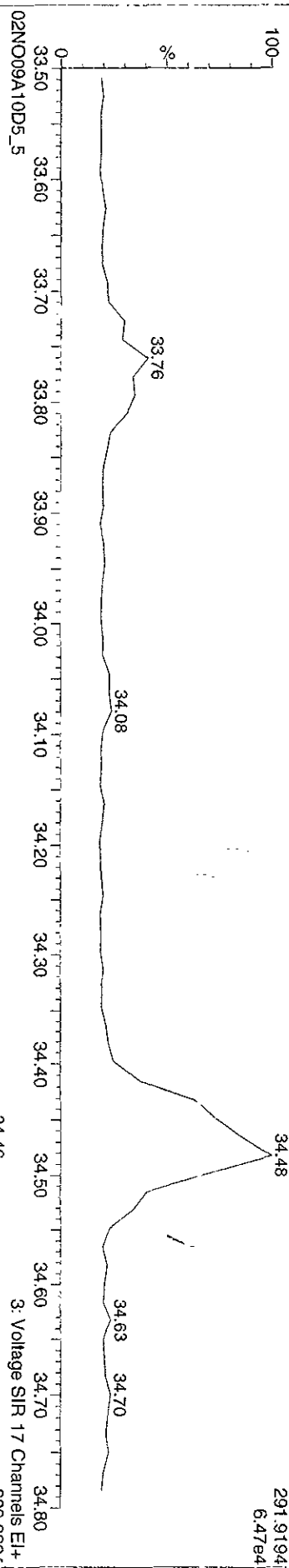
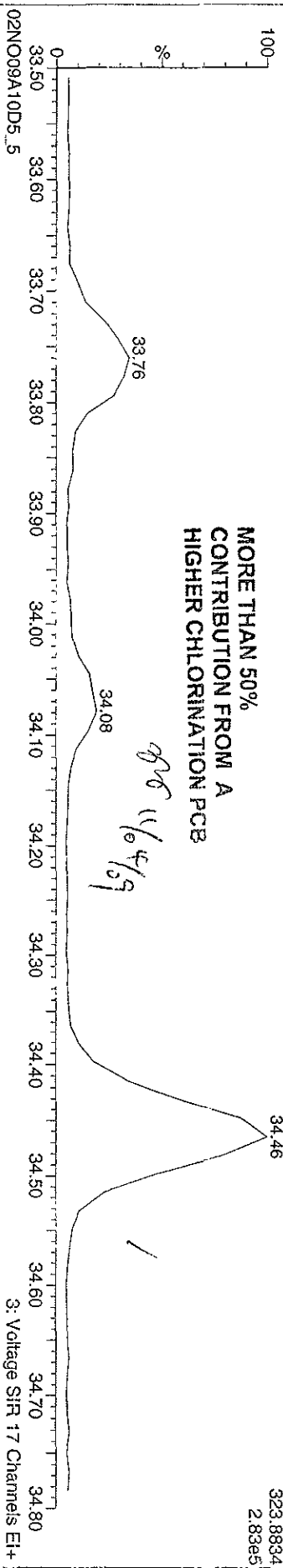
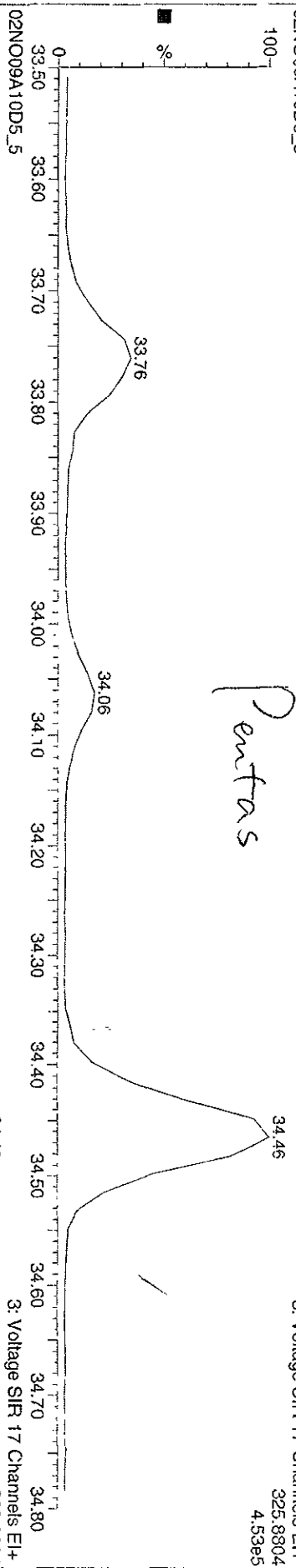
**TetraPCBs**



Pentars

3: Voltage SIF 17 Channels EI+

325.8904  
4.53e5

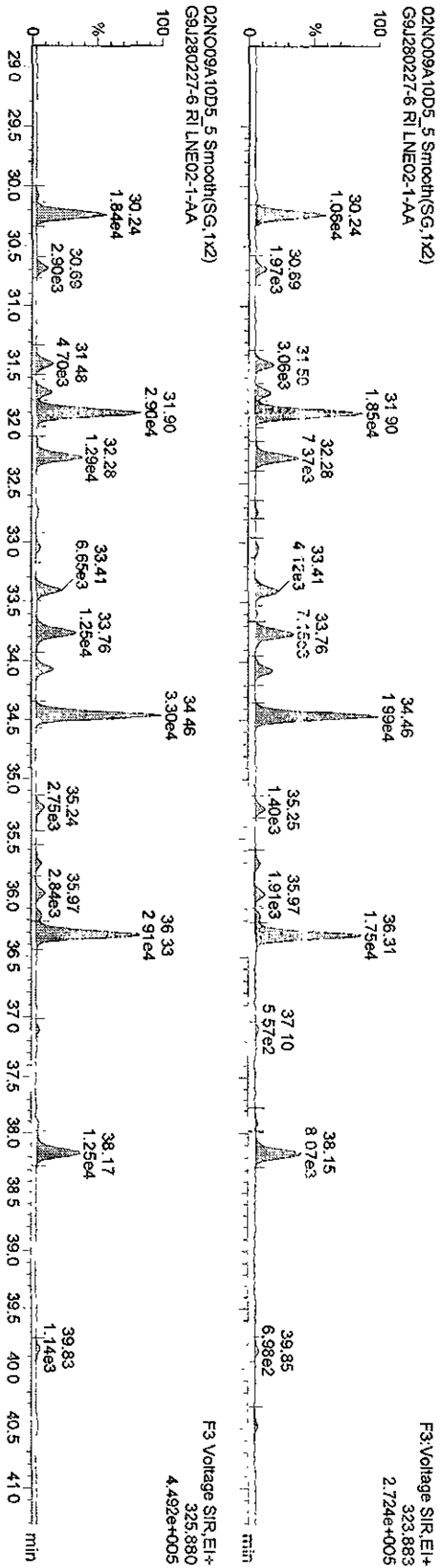


Dataset: C:\Masslynx\Default\proj\02N009A10D5\1668M\SL.gld

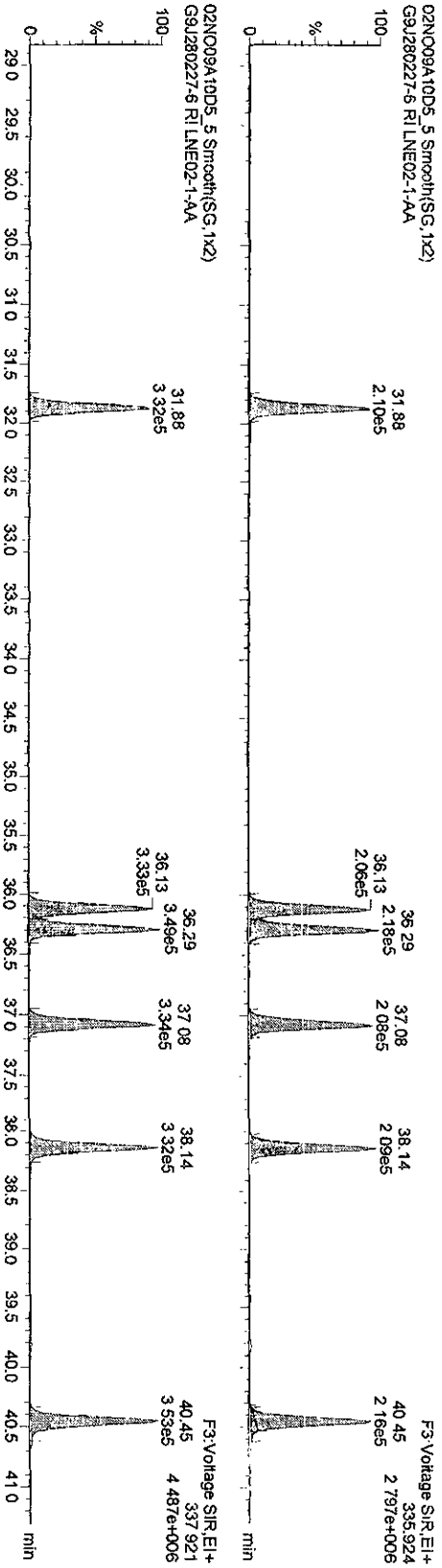
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02N009A10D5\_5, Date: 02-Nov-2009, Time: 19:57:24, ID: LNE02-1-AA, Description: G9J280227-6-RI

**PePCBs**



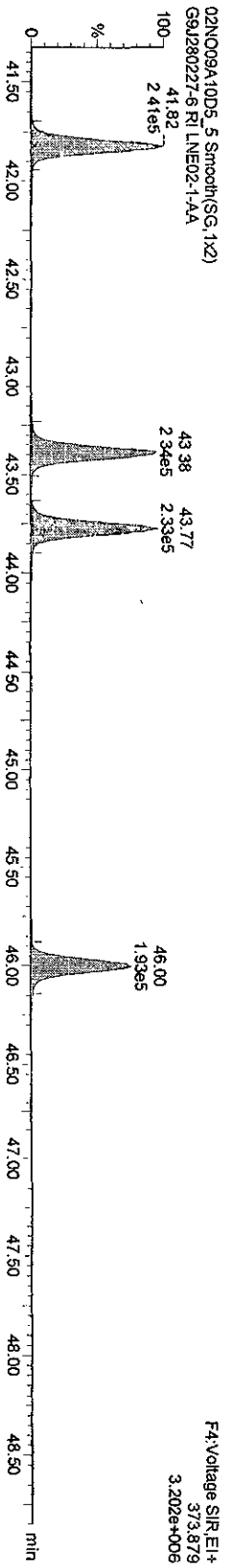
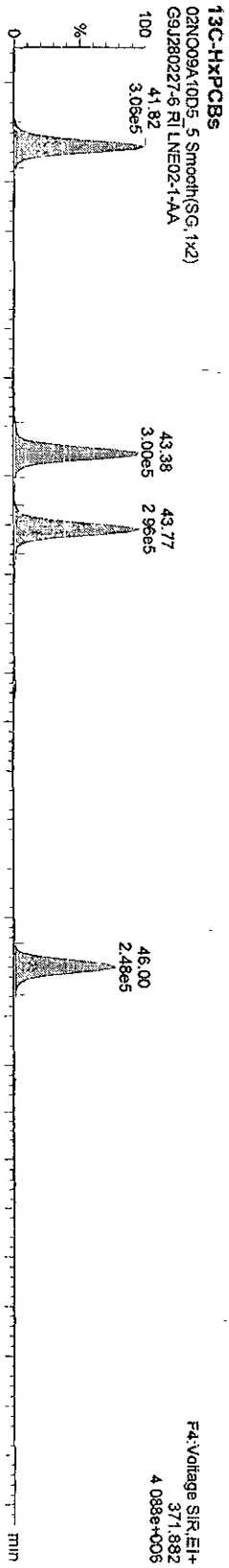
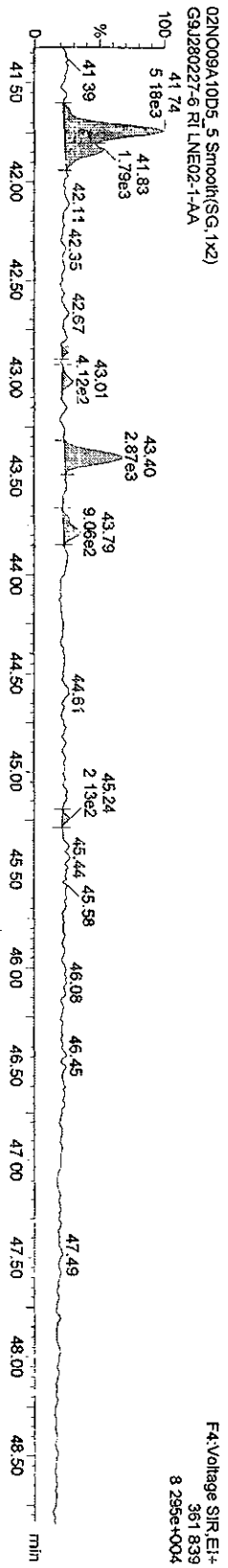
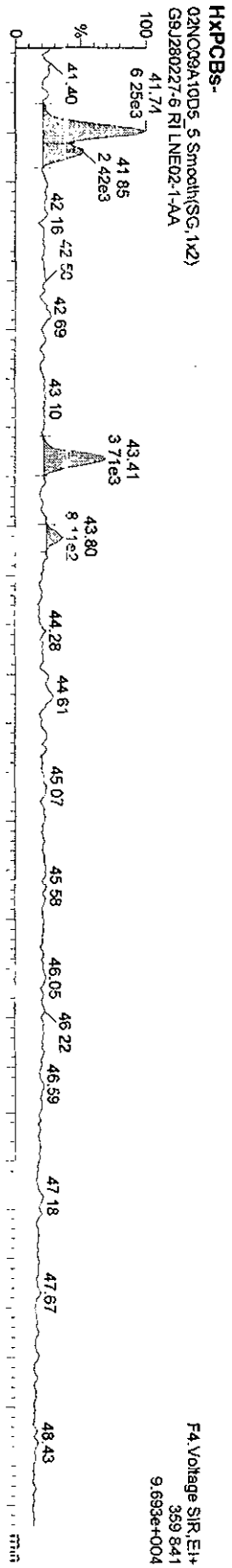
**13C-PCBs**



Dataset: C:\Masslynx\Default\pro\02N009A10D5\1668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02N009A10D5\_5, Date: 02-Nov-2009, Time: 19:57:24, ID: LNE02-1-AA, Description: G9J280227-6-RI

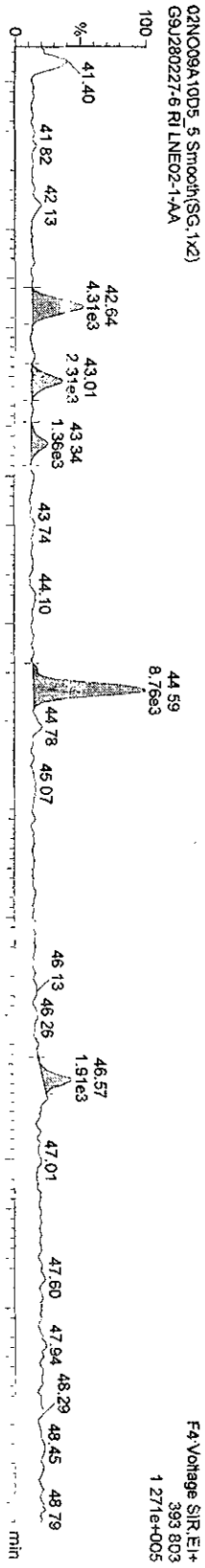


Dataset: C:\MassLynx\Default\pro\02NO09A10D5\1668MSL.qtd

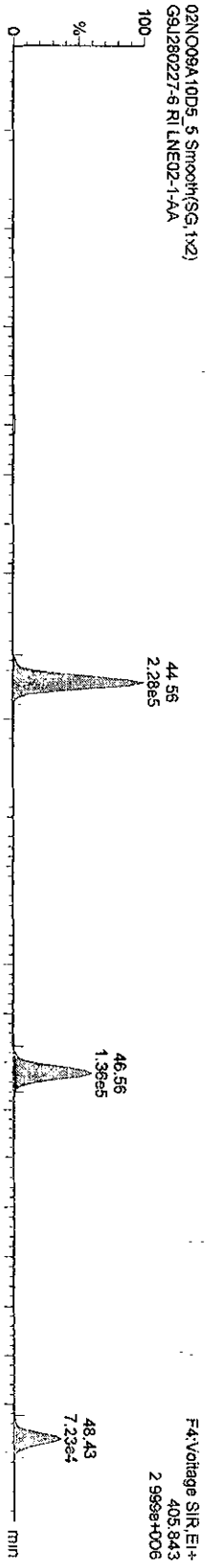
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_5, Date: 02-Nov-2009, Time: 19:57:24, ID: LNE02-1-AA, Description: G9J280227-6 RI

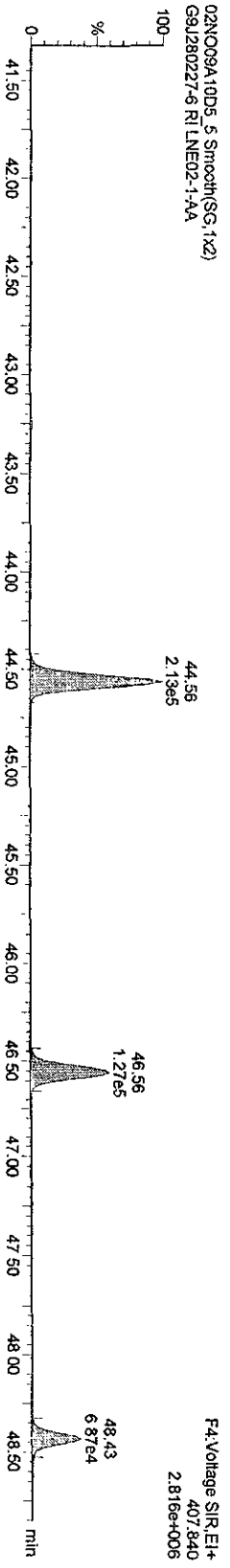
**HPPCBs**



**13C-HPPCBs**



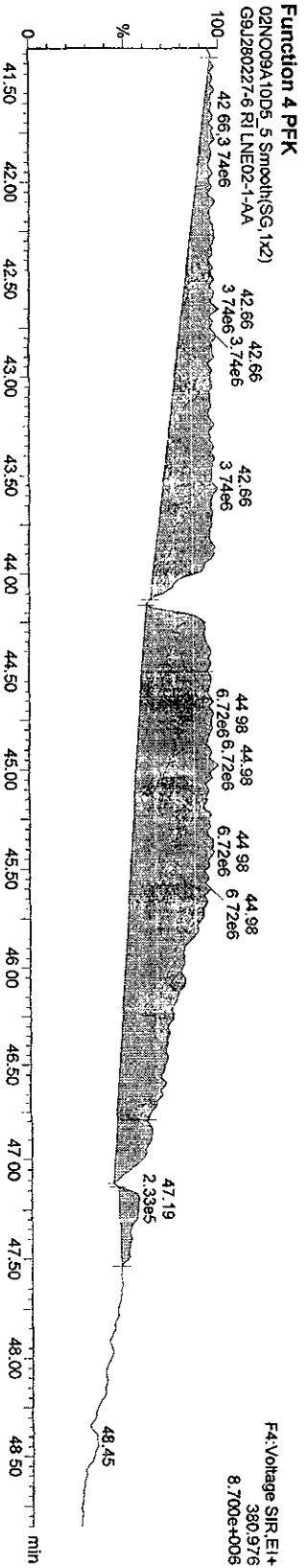
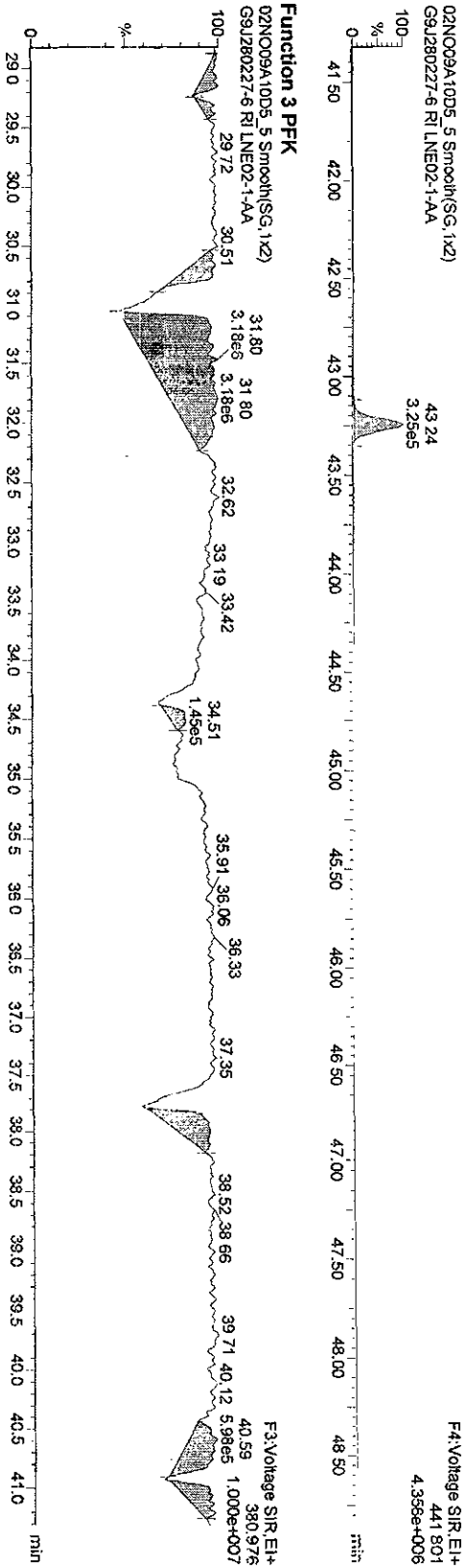
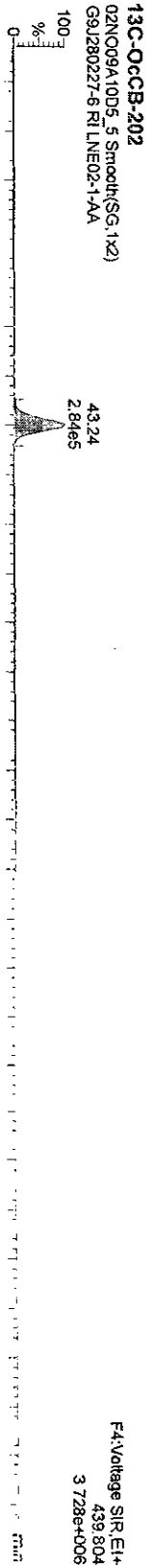
**13C-HPPCBs**



Dataset: C:\MassLynx\Default\pro\02NO09A10D51668M\SL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
 Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_5, Date: 02-Nov-2009, Time: 19:57:24, ID: LNE02-1-AA, Description: G9J280227-6 RI



Quantity Sample Summary Report MassLynx 4.1

Dataset: T:\ATG110D5\02NO09A10D51668MSLsy.qld

Last Altered: Wednesday, November 04, 2009 11:17:08 Pacific Standard Time  
 Printed: Wednesday, November 04, 2009 11:19:34 Pacific Standard Time

*R/L 1.89*

Method: C:\MassLynx\Default\PROWmeth\BVI668MSL10DB5.mdb 02 Nov 2009 06:49:13  
 Calibration: C:\MassLynx\Default\PROCurved\BVCAD716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 02NO09A10D5\_6, Date: 02-Nov-2009, Time: 20:54:11, ID: LNE1C-1-AC, Description: G9J280227-7 RI, Task:

*998  
 11/04/09*

# Name	Trace	Sample Size	RT	Pd/RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDI	Mod Date	Ratio	Ratio Fl
1 13C-PeCB-101	335.924	10.570	31.81	31.75	1.000	727143.34	189.2148	189.2148	100.0	0.2071			0.637	NO
2														
3 13C-TeCB-81	301.963	10.570	33.71	33.70	1.040	621021.84	155.4085	155.4085	82.1	0.2196			0.788	NO
4 TeCB-81	289.922	10.570	33.71	33.71	1.458	4861.89	1.0157	<del>69480</del>		0.0905			0.896	YES
5 13C-TeCB-77	301.963	10.570	34.40	34.39	1.104	578814.06	136.3914	136.3914	72.1	0.2068			0.782	NO
6 TeCB-77	289.922	10.570	34.41	34.40	1.271	14220.38	3.6586	<i>ND. G</i>		0.1156			0.777	NO
7														
8 13C-PeCB-123	335.924	10.570	36.07	36.07	0.993	535740.03	140.3577	140.3577	74.2	0.2085			0.623	NO
9 PeCB-123	323.883	10.570	36.11	36.07	1.505	10518.31	2.4677	2.0251	<i>ND. G</i>	0.2071		04-Nov-09	0.962	YES
10 13C-PeCB-118	335.924	10.570	36.24	36.24	1.024	553427.27	140.6258	140.6258	74.3	0.2023			0.623	NO
11 PeCB-118/106	323.883	10.570	36.26	36.24	1.525	323249.04	72.4536	72.4536		0.1919		04-Nov-09	0.624	NO
12 13C-PeCB-114	335.924	10.570	37.03	37.02	1.037	510824.86	128.1936	128.1936	67.8	0.1998			0.641	NO
13 PeCB-114	323.883	10.570	37.05	37.03	1.586	4860.64	1.1352	<del>44332</del>		0.2018		04-Nov-09	0.641	NO
14 13C-PeCB-102	335.924	10.570	38.09	38.10	0.502	47518.35	127.0402	127.0402	67.1	0.2110			0.645	NO
15 PeCB-105/127	323.883	10.570	38.12	38.09	1.433	138115.95	38.0515	38.0515		0.2400			0.620	NO
16 13C-PeCB-126	335.924	10.570	40.40	40.40	1.030	656122.98	165.7632	165.7632	87.6	0.2011			0.633	NO
17 PeCB-126	323.883	10.570	40.44	40.40	1.156	5024.43	1.2536	<del>42595</del>		0.2153		04-Nov-09	0.629	NO
18														
19 13C-OcCB-202	439.804	10.570	43.20	43.16	1.000	839966.34	189.2148	189.2148	100.0	0.0782			0.889	NO
20														
21 13C-HxCB-167	371.882	10.570	41.77	41.74	1.002	651844.06	146.4762	146.4762	77.4	0.1352			1.273	NO
22 HxCB-167	359.841	10.570	41.79	41.77	1.348	33814.90	7.2819	7.2819		0.2486			1.210	NO
23 13C-HxCB-156	371.882	10.570	43.34	43.32	0.785	653076.66	187.3829	187.3829	99.0	0.1726			1.300	NO
24 HxCB-156	359.841	10.570	43.37	43.34	1.688	87987.89	15.0986	15.0986		0.2045			1.271	NO
25 13C-HxCB-157	371.882	10.570	43.72	43.71	0.835	645773.25	174.1616	174.1616	92.0	0.1623			1.273	NO
26 HxCB-157	359.841	10.570	43.74	43.72	1.660	23493.73	4.1477	4.1477		0.2028			1.164	NO
27 13C-HxCB-169	371.882	10.570	45.95	45.93	0.871	554782.61	143.4364	143.4364	75.8	0.1556			1.288	NO
28 HxCB-169	359.841	10.570		45.95	1.098					0.3573				NO
29														
30 13C-HpCB-180	405.843	10.570	44.51	44.50	0.684	527522.38	173.7243	173.7243	91.8	0.1446			1.080	NO
31 HpCB-180	393.803	10.570	44.53	44.51	1.300	108619.97	29.9615	29.9615	<i>NA</i>	0.2281			1.061	NO



Dataset: T:\ATG\10D5\02NO09A10D51668M\SLsy.qld

Last Altered: Wednesday, November 04, 2009 11:17:08 Pacific Standard Time  
 Printed: Wednesday, November 04, 2009 11:19:34 Pacific Standard Time

Name: 02NO09A10D5\_6, Date: 02-Nov-2009, Time: 20:54:11, ID: LNE1C-1-AC, Description: G9J280227-7 RI, Task:

# Name	Trace	Sample Size	RT	Ptd.RT	RRF M...	Abs Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio Fl...
32 13C-HpCB-170	405.843	10.570	46.51	46.50	0.548	327891.89	134.8515	134.8515	71.3	0.1806		1.062	NO
33 HpCB-170	393.803	10.570	46.54	46.51	1.615	52640.41	18.8091	17.2448	N/A	0.2971		0.885	YES
34 13C-HpCB-189	405.843	10.570	48.39	48.39	0.698	522971.95	168.8581	168.8581	89.2	0.1418		1.051	NO
35 HpCB-189	393.803	10.570	48.42	48.39	1.231	3925.91	1.1541	1.1541		0.2244		1.071	NO
36													
37 13C-PeCB-111	335.924	10.570		33.51	1.305					0.2250			NO
38													
39 Function 3 PFK	380.976	1.000		0.00									
40 Function 4 PFK	380.976	1.000		0.00									

PL 1.89

Dataset: C:\MassLynx\Default\pro\02NO09A10D51668MSL.qid  
 Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
 Printed: Tuesday, November 03, 2009 06:56:44 Pacific Standard Time

Name: 02NO09A10D5\_6, Date: 02-Nov-2009, Time: 20:54:11, ID: LNE1C-1-AG, Description: G9J280227-7 RI, Task:

# Name	Trace	Sample Size	RT	Pd RT	RRF M	Ads Resp	pg	EMPC	%Rec	EDI	Ratio	Pd Ratio	Ratio	Mod Date
1 13C-PeCB-101	335.924	10.570	31.81	31.75	1.000	727143.34	189.2148	189.2148	100.0	0.2071	0.637	0.610	NO	
2														
3 13C-TeCB-81	301.963	10.570	33.71	33.70	1.040	621021.84	155.4085	155.4085	82.1	0.2196	0.788	0.770	NO	
4 TeCB-81	289.922	10.570	33.71	33.71	1.458	4861.89	1.0157	0.9280	0.0905	0.896	0.770	YES		
5 13C-TeCB-77	301.963	10.570	34.40	34.39	1.104	578814.06	136.3914	136.3914	72.1	0.2068	0.782	0.770	NO	
6 TeCB-77	289.922	10.570	34.41	34.40	1.271	14220.38	3.6586	3.6586	NDG	0.1156	0.777	0.770	NO	
7														
8 13C-PeCB-123	335.924	10.570	36.07	36.07	0.993	535740.03	140.3577	140.3577	74.2	0.2085	0.623	0.610	NO	
9 PeCB-123	323.883	10.570	36.07	36.07	1.505	23968.50	5.6233	5.6233	MI	0.2071	0.587	0.610	NO	
10 13C-PeCB-118	335.924	10.570	36.24	36.24	1.024	55427.27	140.6258	140.6258	74.3	0.2023	0.623	0.610	NO	
11 PeCB-118/106	323.883	10.570	36.26	36.24	1.525	327914.49	73.4994	73.4994		0.1919	0.610	0.610	NO	
12 13C-PeCB-114	335.924	10.570	37.03	37.02	1.037	510824.86	128.1936	128.1936	67.8	0.1998	0.641	0.610	NO	
13 PeCB-114	323.883	10.570	37.03	37.03	1.586					0.2018	0.610	0.610	NO	
14 13C PeCB-105	335.924	10.570	38.09	38.10	0.982	479181.89	127.0402	127.0402	67.1	0.2110	0.645	0.610	NO	
15 PeCB-105/127	323.883	10.570	38.12	38.09	1.433	138115.95	38.0515	38.0515		0.2400	0.620	0.610	NO	
16 13C-PeCB-126	335.924	10.570	40.40	40.40	1.030	656122.98	165.7632	165.7632	87.6	0.2011	0.633	0.610	NO	
17 PeCB-126	323.883	10.570	40.40	40.40	1.156					0.2153	0.610	0.610	NO	
18														
19 13C-OcCB-202	439.804	10.570	43.20	43.16	1.000	839966.34	189.2148	189.2148	100.0	0.0782	0.889	0.890	NO	
20														
21 13C-HXCB-167	371.882	10.570	41.77	41.74	1.002	651844.06	146.4762	146.4762	77.4	0.1352	1.273	1.240	NO	
22 HXCB-167	359.841	10.570	41.79	41.77	1.348	33814.90	7.2819	7.2819		0.2486	1.210	1.240	NO	
23 13C-HXCB-156	371.882	10.570	43.34	43.32	0.785	663076.66	187.3829	187.3829	99.0	0.1726	1.300	1.240	NO	
24 HXCB-156	359.841	10.570	43.37	43.34	1.688	87987.89	15.0986	15.0986		0.2045	1.271	1.240	NO	
25 13C-HXCB-157	371.882	10.570	43.72	43.71	0.835	645778.25	174.1616	174.1616	92.0	0.1623	1.273	1.240	NO	
26 HXCB-157	359.841	10.570	43.74	43.72	1.660	23493.73	4.1477	4.1477		0.2028	1.164	1.240	NO	
27 13C-HXCB-169	371.882	10.570	45.95	45.93	0.871	554782.61	143.4364	143.4364	75.8	0.1556	1.288	1.240	NO	
28 HXCB-169	359.841	10.570	45.95	45.95	1.098					0.3573	1.240	1.240	NO	
29														
30 13C-HpCB-180	405.843	10.570	44.51	44.50	0.684	527522.38	173.7243	173.7243	91.8	0.1446	1.080	1.050	NO	
31 HpCB-180	393.803	10.570	44.53	44.51	1.300	108619.97	29.9615	29.9615		0.2281	1.061	1.050	NO	
32 13C-HpCB-170	405.843	10.570	46.51	46.50	0.548	327891.89	134.8515	134.8515	71.3	0.1806	1.062	1.050	NO	
33 HpCB-170	393.803	10.570	46.54	46.51	1.615	52640.41	18.8091	17.2448		0.2971	0.885	1.050	YES	
34 13C-HpCB-189	405.843	10.570	48.39	48.39	0.698	522971.95	168.8581	168.8581	89.2	0.1418	1.051	1.050	NO	
35 HpCB-189	393.803	10.570	48.42	48.39	1.231	3925.91	1.1541	1.1541		0.2244	1.071	1.050	NO	

Dataset: C:\MassLynx\Default\prot\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

Printed: Tuesday, November 03, 2009 06:56:44 Pacific Standard Time

Name: 02NO09A10D5\_6, Date: 02-Nov-2009, Time: 20:54:11, ID: LNE1C-1-AC, Description: G9J280227-7 RI, Task:

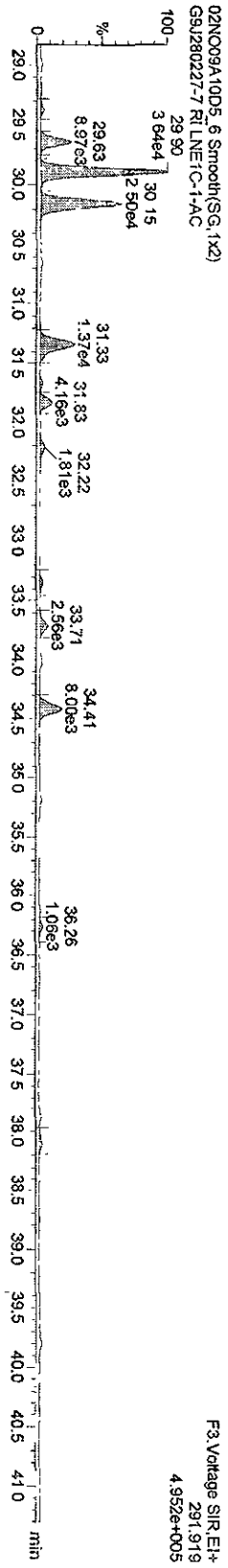
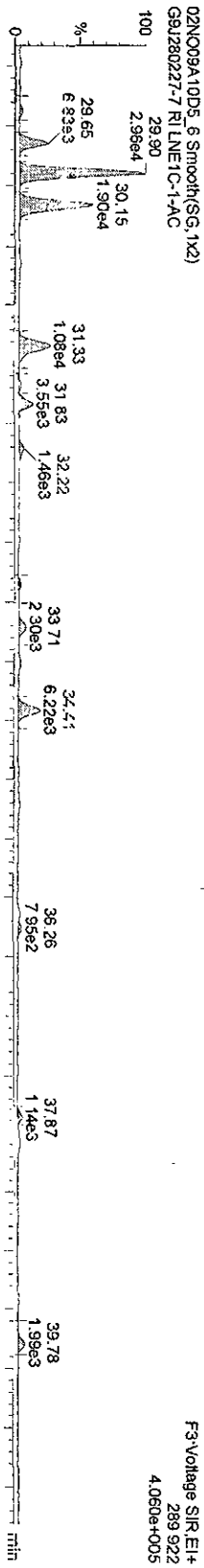
Name	Trace	Sample Size	RT	Prod RT	RRF	M	Ads Resp	pg	EMPC	%Rec	EDL	Ratio	Prod Ratio	Ratio	Mod Date
36															
37	13C-PeCB-111	335.924	10.570		33.51						0.2250		0.610		NO
38															
39	Function 3 PFK	380.976	1.000		0.00										
40	Function 4 PFK	380.976	1.000		0.00										

Dataset: C:\Masslynx\Default\proj\02N009A10D5\1668MSL.qld

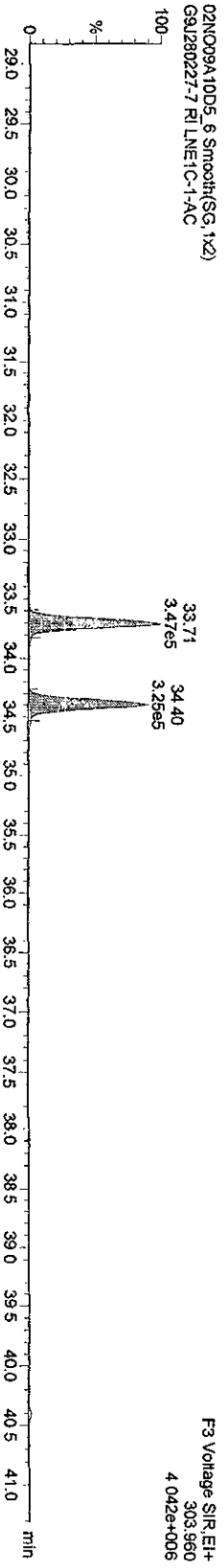
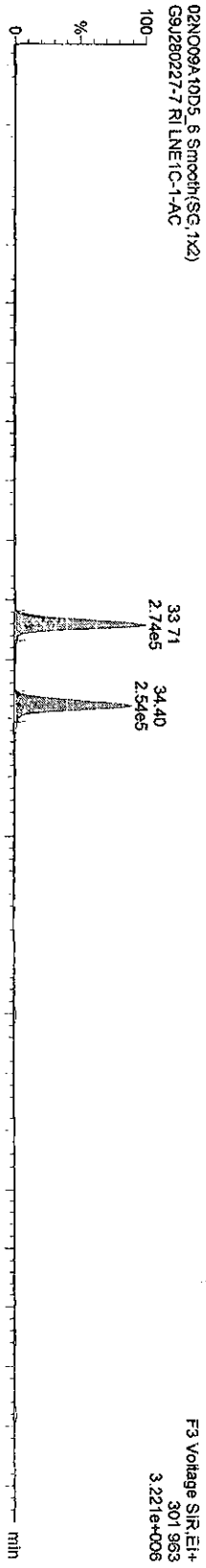
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02N009A10D5\_6, Date: 02-Nov-2009, Time: 20:54:11, ID: LNE1C-1-AC, Description: G9J280227-7 RI

TetrPCBs

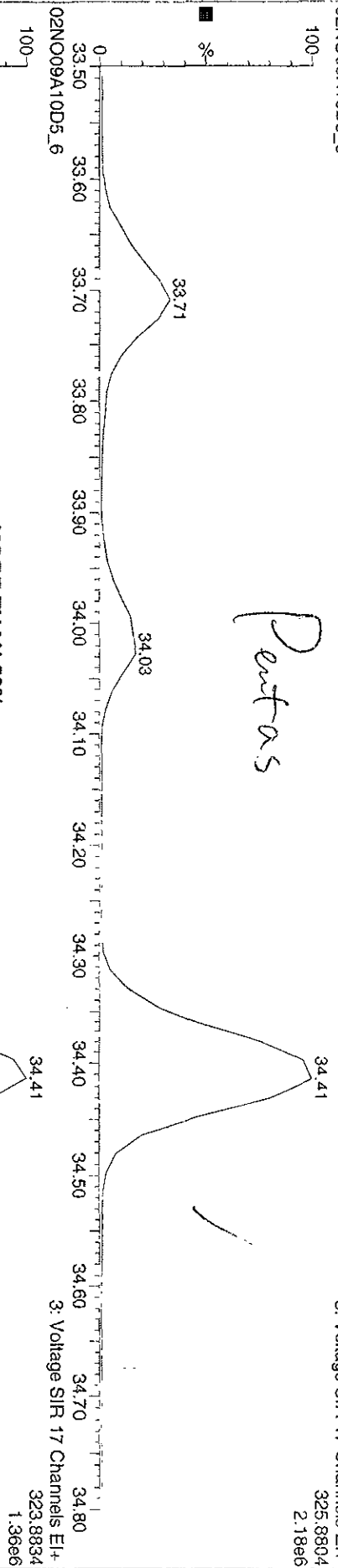


13C-TetrPCBs



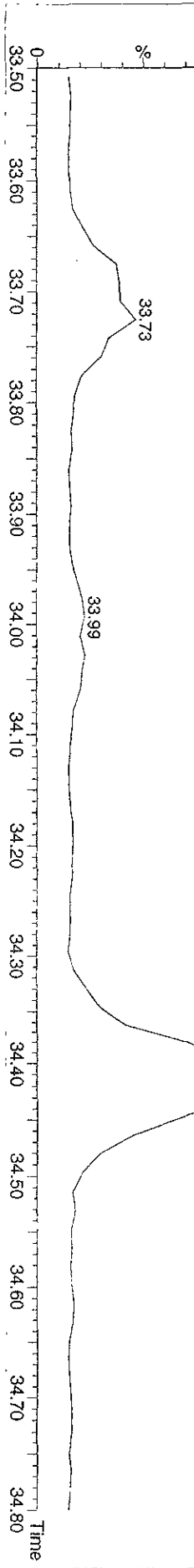
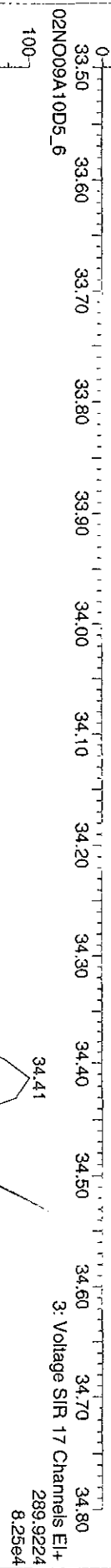
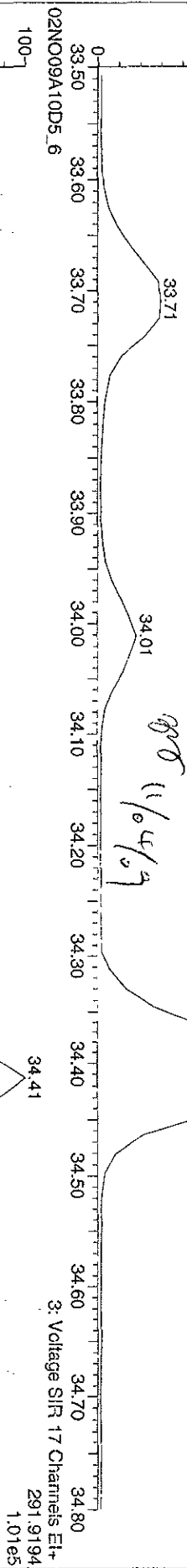
*Pentacis*

3: Voltage SIR 17 Channels EI+  
325.8804  
2.18e6



MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCE

*11/04/09*

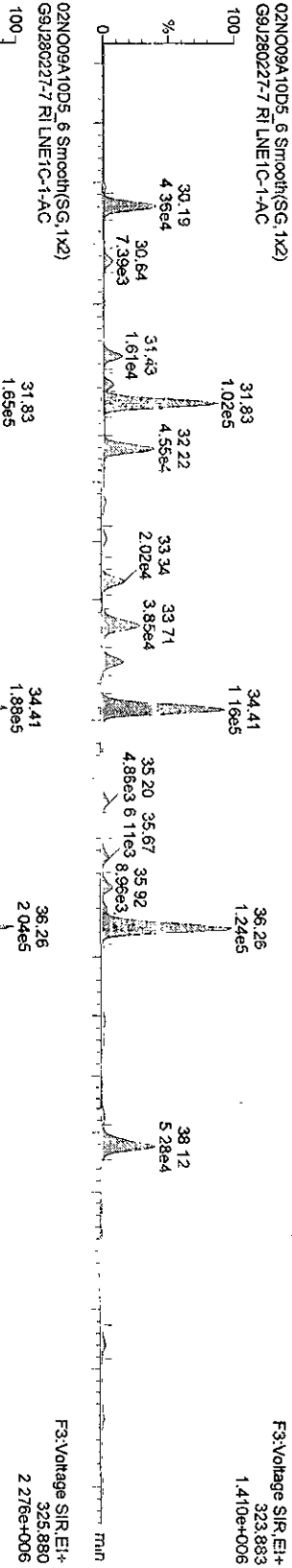


Dataset: C:\Masslynx\Default\proj\02NO09A10D5\1668\MSL.qld

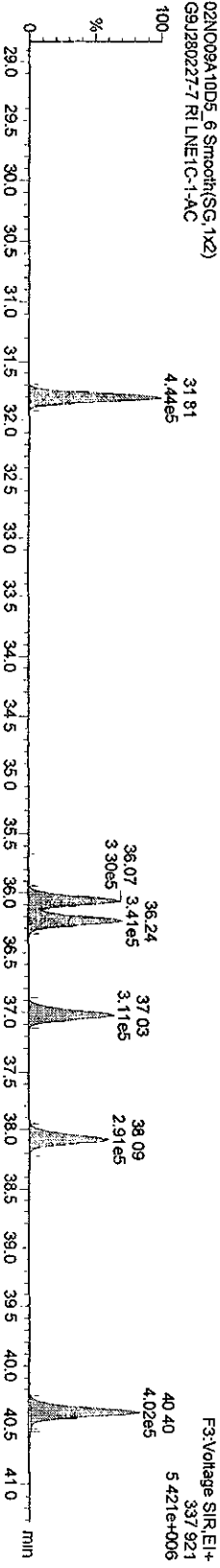
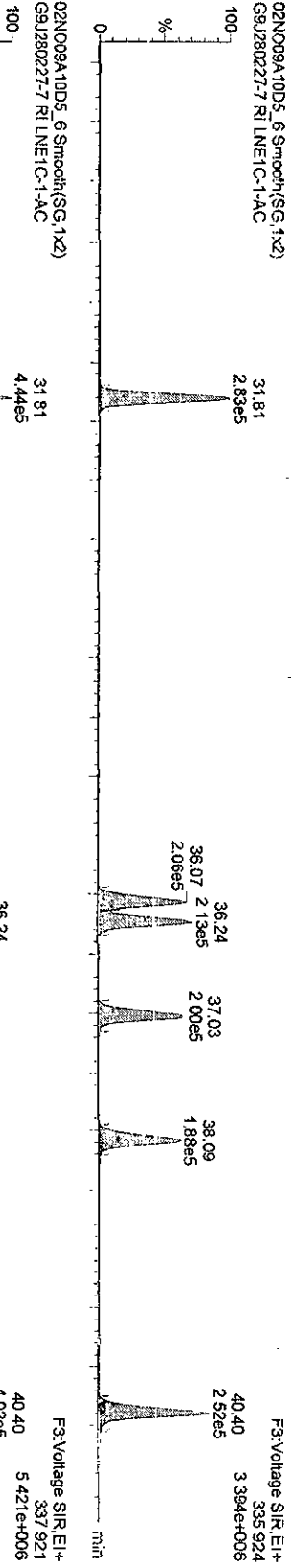
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_6, Date: 02-Nov-2009, Time: 20:54:11, ID: LNET1C-1-AC, Description: G9J280227-7 RI

PePCBs



13C-PerPCBs



Dataset: T:\ATG\10D5\02NO09A10D51668MSLsy.qld

Last Altered: Wednesday, November 04, 2009 10:35:05 Pacific Standard Time  
Printed: Wednesday, November 04, 2009 10:36:04 Pacific Standard Time

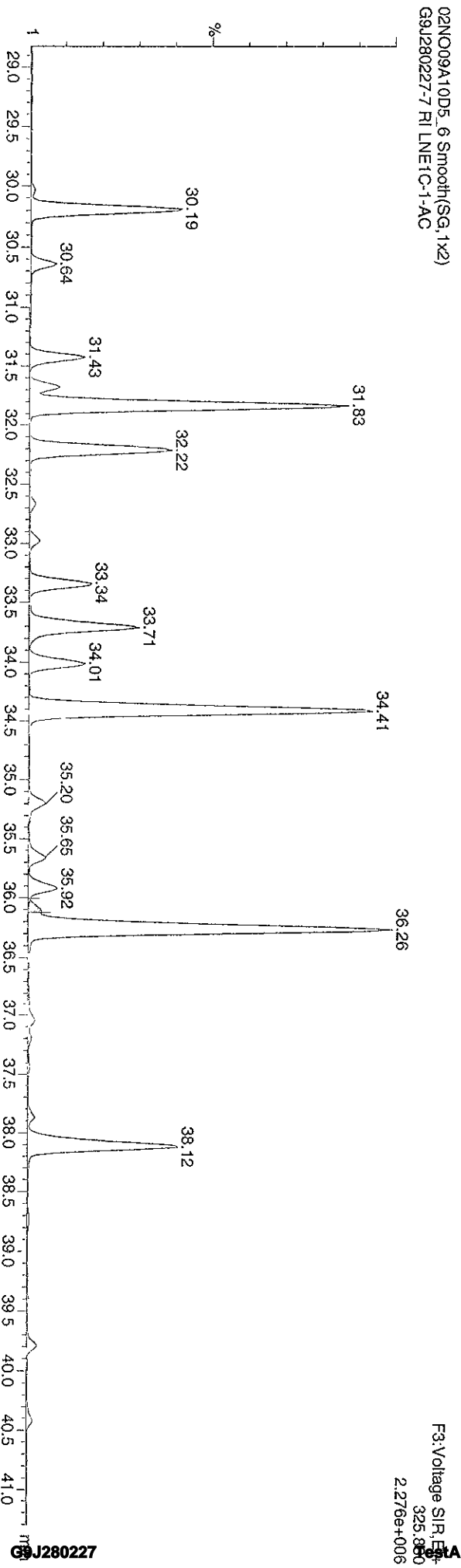
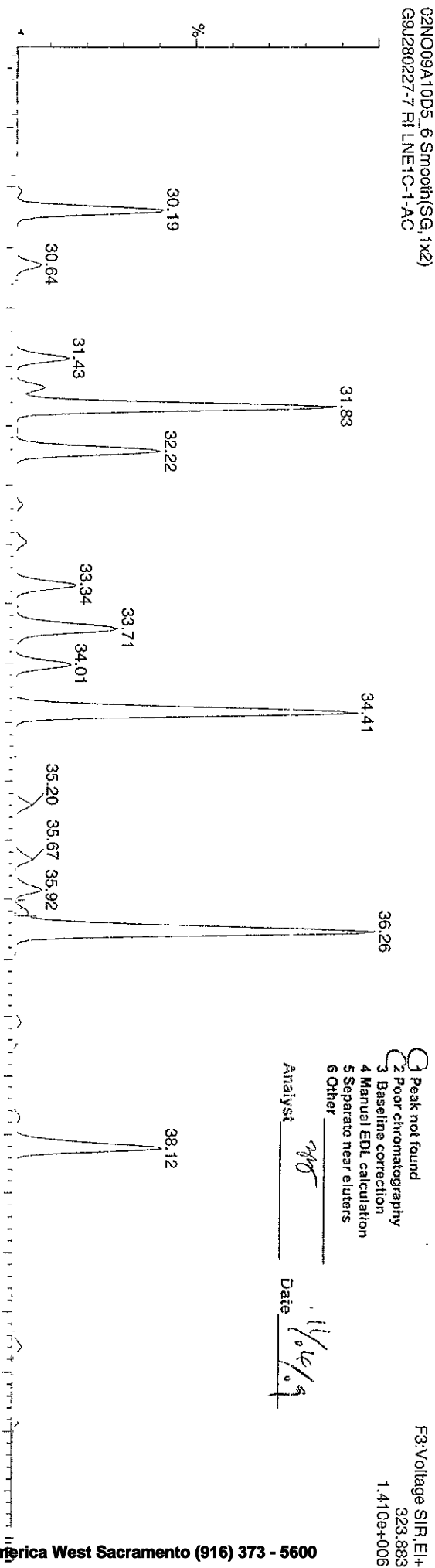
Method: C:\MassLynx\Default.PROMethDB\1668MSL\_10DB5.mdb 02 Nov 2009 06:49:13  
Calibration: C:\MassLynx\Default.PROMethDB\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Sample Name: 02NO09A10D5\_6

Manual Edit Codes

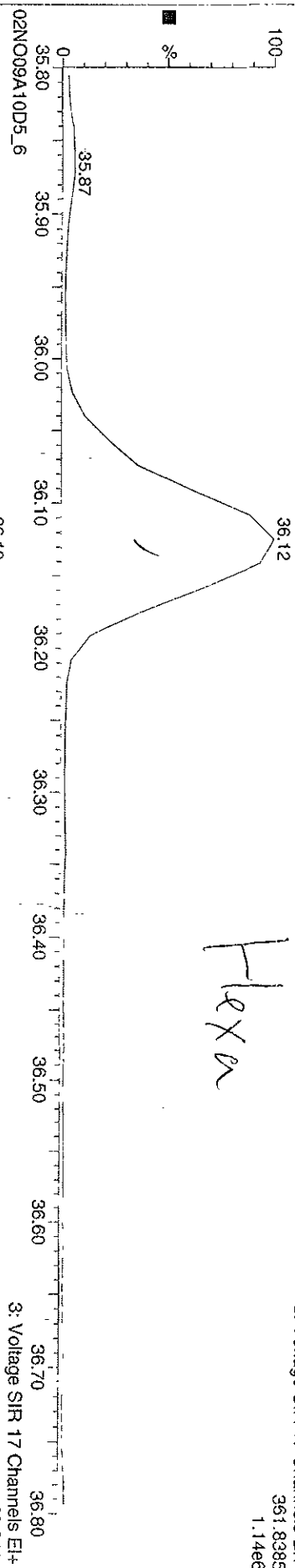
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst: *mg* Date: *11/04/09*



*Hexa*

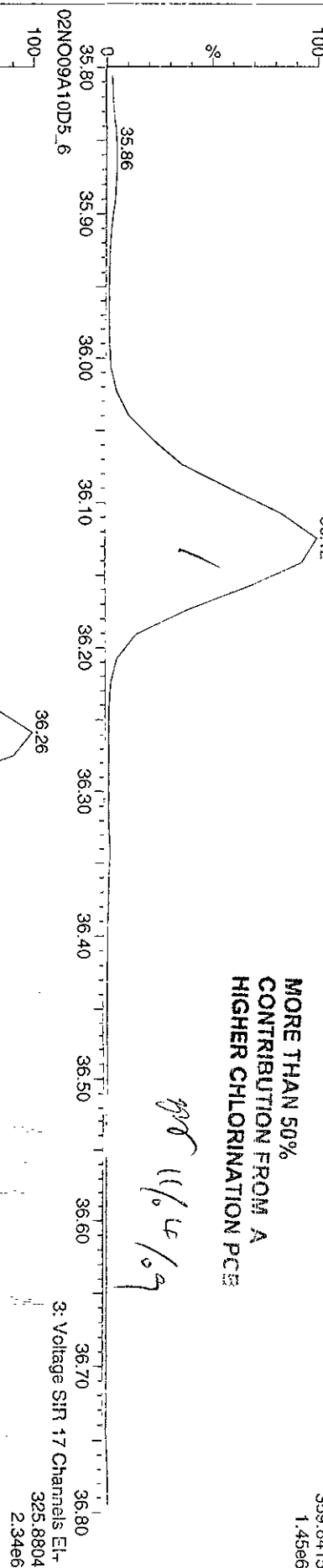
3: Voltage SIR 17 Channels El+  
351.8385  
1.14e6



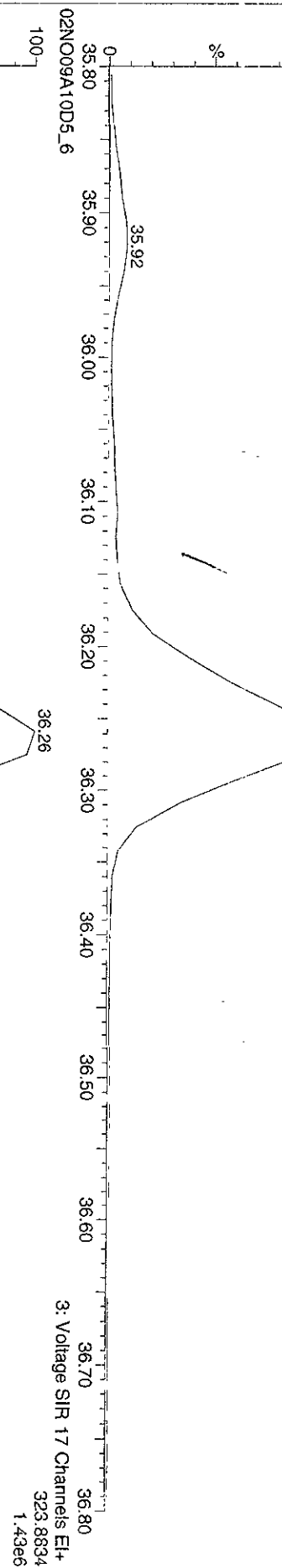
**MORE THAN 50% CONTRIBUTION FROM A HIGHER CHLORINATION PCE**

*see 11/4/09*

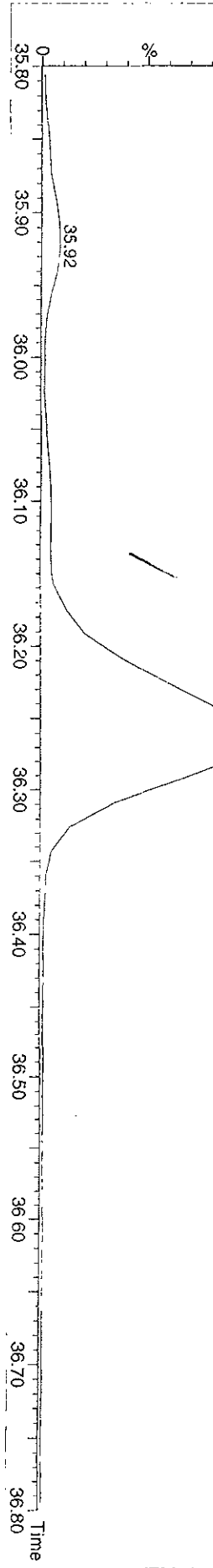
3: Voltage SIR 17 Channels El+  
359.8415  
1.45e6



3: Voltage SIR 17 Channels El+  
325.8804  
2.34e6



3: Voltage SIR 17 Channels El+  
323.8834  
1.43e6





Dataset: T:\ATG\10D5\02NO09A10D51668MSLsy.qld

Last Altered: Wednesday, November 04, 2009 10:35:05 Pacific Standard Time  
Printed: Wednesday, November 04, 2009 10:36:04 Pacific Standard Time

Sample Name: 02NO09A10D5\_6

02NO09A10D5\_6 Smooth(SG, 1x2)  
G9J280227-7 RI LNETC-1-AC

F3: Voltage SIR, E1+

323.883  
1.410e+006

Manual Edit Codes

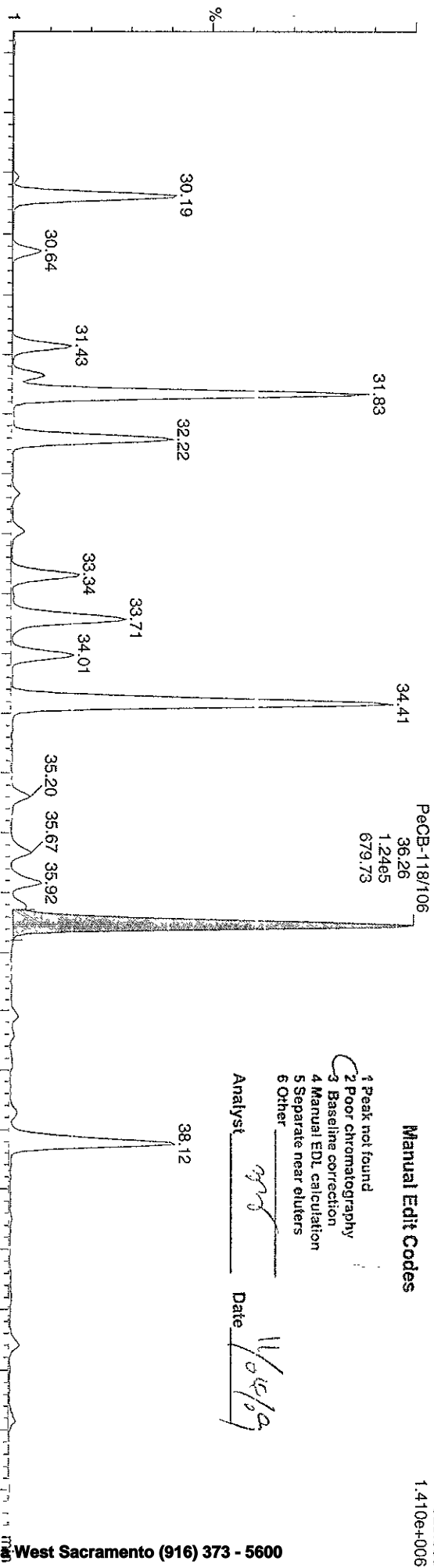
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst

*ms*

Date

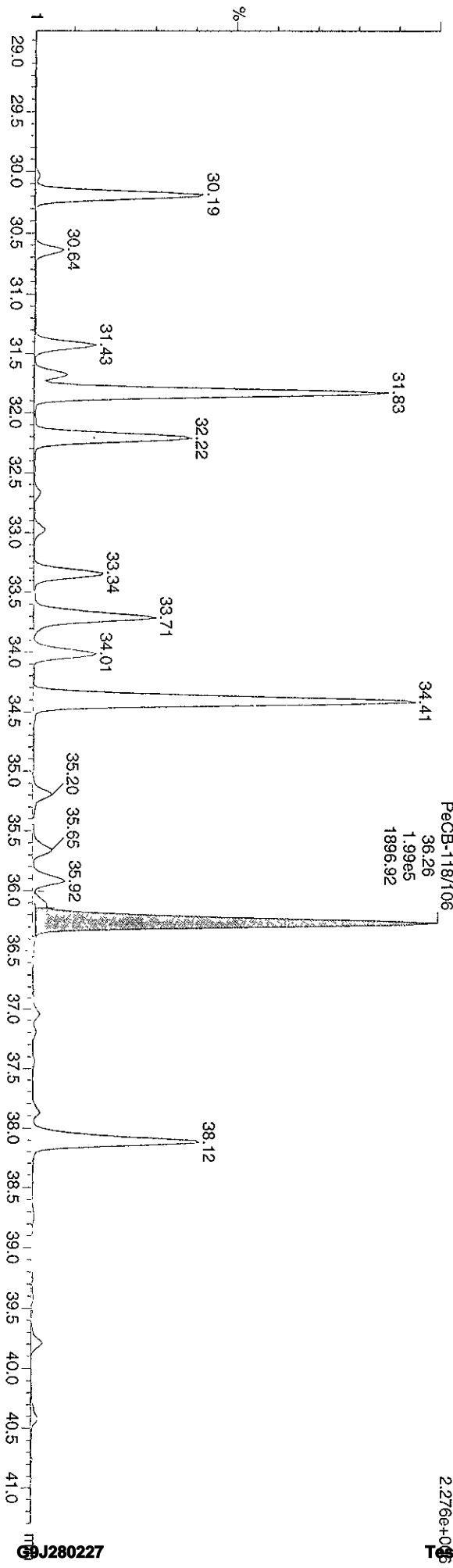
11/04/09



02NO09A10D5\_6 Smooth(SG, 1x2)  
G9J280227-7 RI LNETC-1-AC

F3: Voltage SIR, E1+

325.883  
2.276e+006



Dataset: T:\ATG\10D5\02NO09A10D51668MSLsy.qld

Last Altered: Wednesday, November 04, 2009 11:17:08 Pacific Standard Time  
Printed: Wednesday, November 04, 2009 11:18:45 Pacific Standard Time

Method: C:\MassLynx\Default.PROMeth.DBI\1668MSL10DB5.mdb 02 Nov 2009 06:49:13  
Calibration: C:\MassLynx\Default.PROMeth.DBI\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

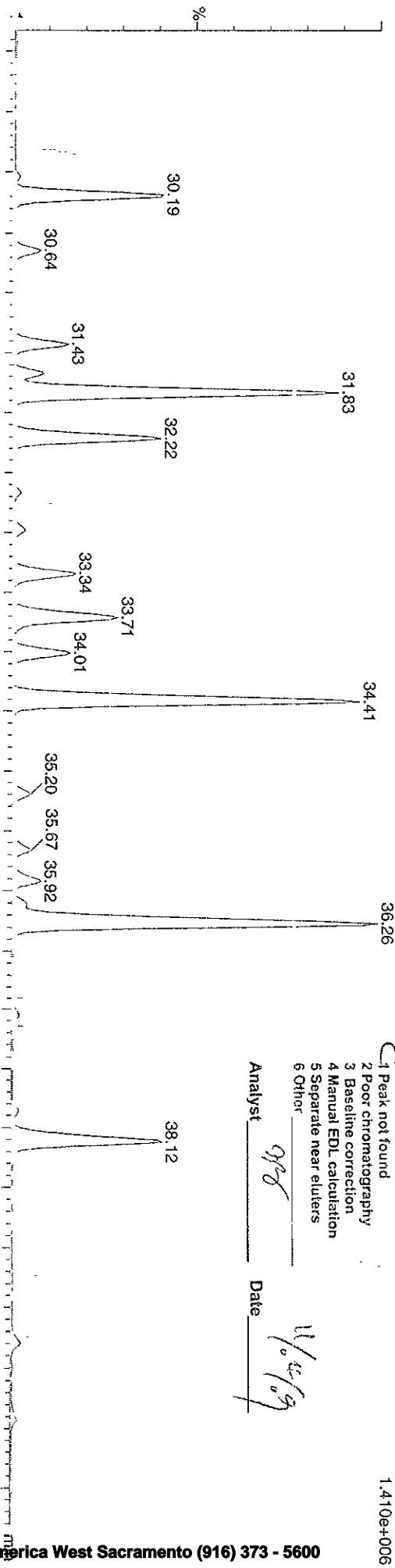
Sample Name: 02NO09A10D5\_6

02NO09A10D5\_6 Smooth(SG, 1x2)  
G9J280227-7 RI LNE1C-1-AC

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

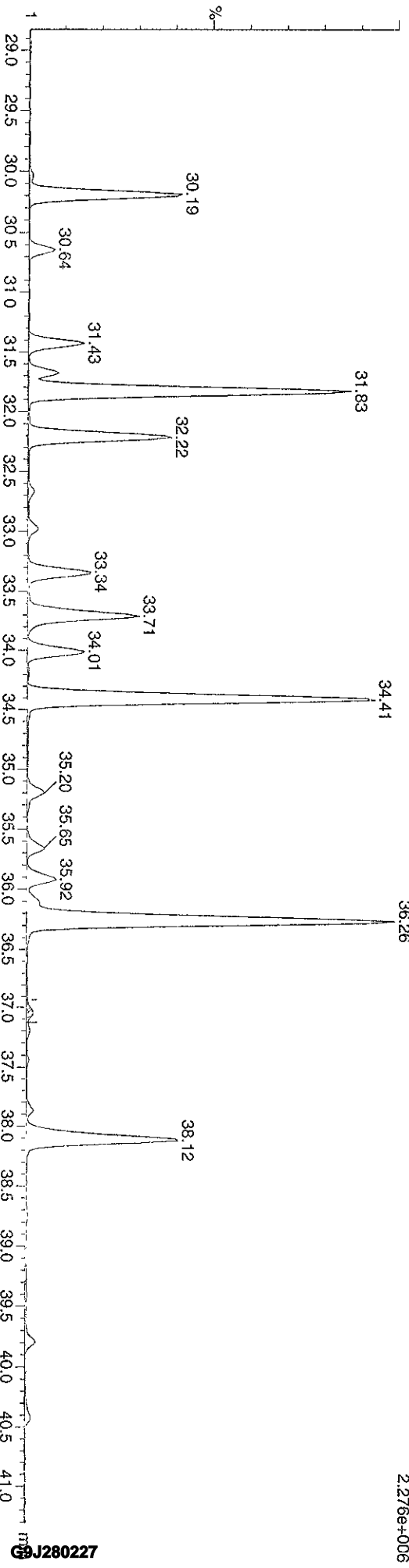
Analyst gpc Date 11/04/09



F3: Voltage SIR, EI+  
323,883  
1.410e+006

02NO09A10D5\_6 Smooth(SG, 1x2)  
G9J280227-7 RI LNE1C-1-AC

F3: Voltage SIR, EI+  
325,850  
2.276e+006



Dataset: T:\ATG\10D5\02NO09A10D51668MSLsy.qld

Last Altered: Wednesday, November 04, 2009 11:17:08 Pacific Standard Time  
Printed: Wednesday, November 04, 2009 11:18:45 Pacific Standard Time

Sample Name: 02NO09A10D5\_6

02NO09A10D5\_6 Smooth(SG, 1x2)  
G9J280227-7 RI LNE1C-1-AC

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDI calculation
- 5 Separate near eluters
- 6 Other

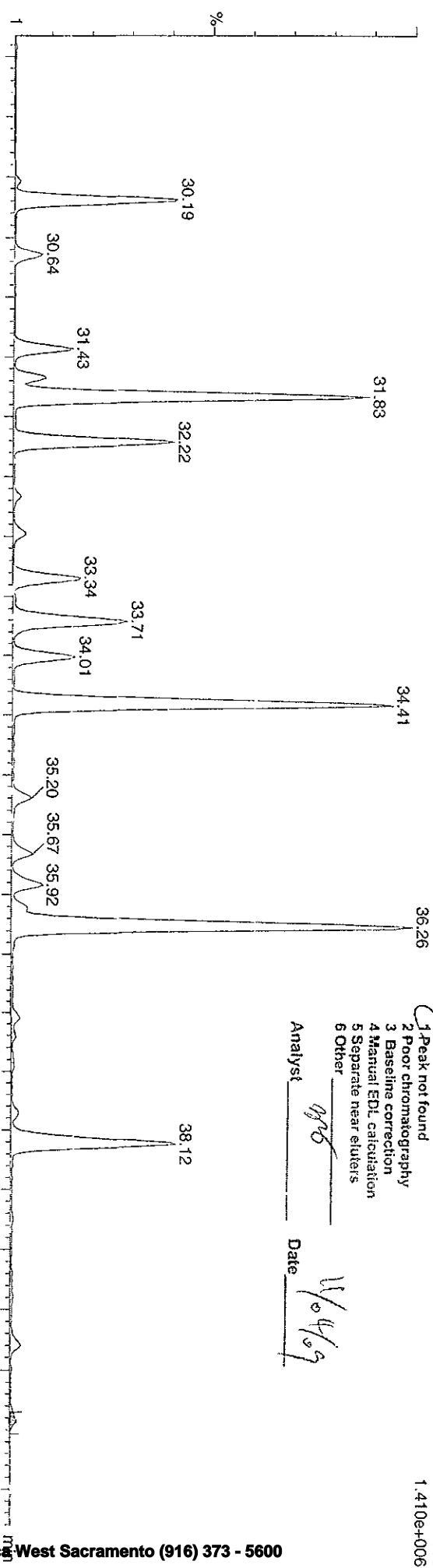
Analyst

*MS*

Date

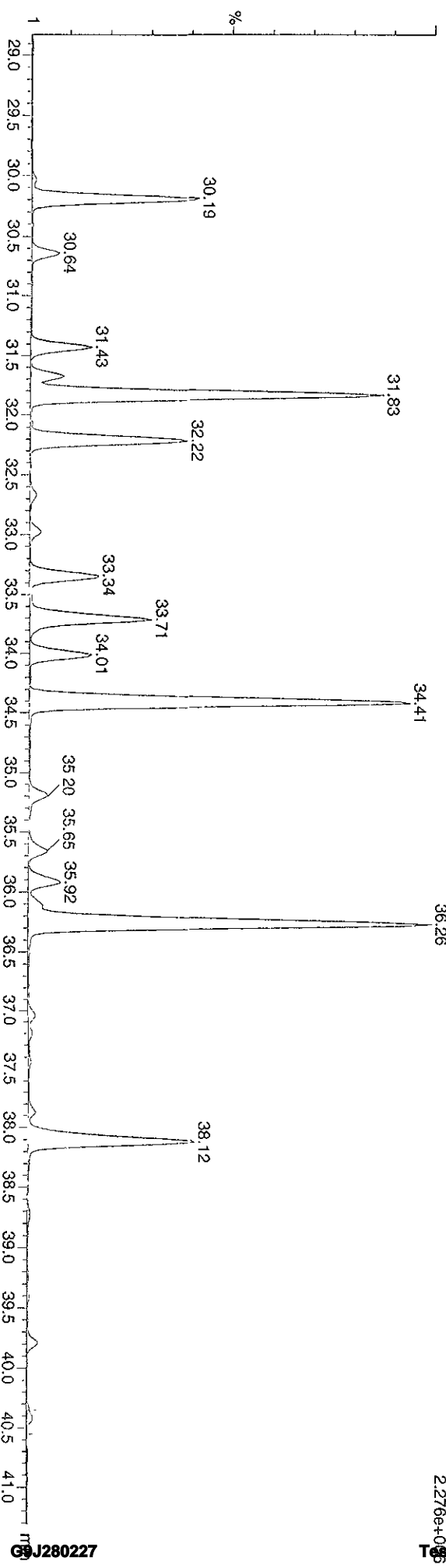
*11/04/09*

F3: Voltage S1R, E1+  
323.883  
1.410e+006



02NO09A10D5\_6 Chromatogram (Acq)  
G9J280227-7 RI LNE1C-1-AC

F3: Voltage S1R, E1+  
325.810  
2.276e+006

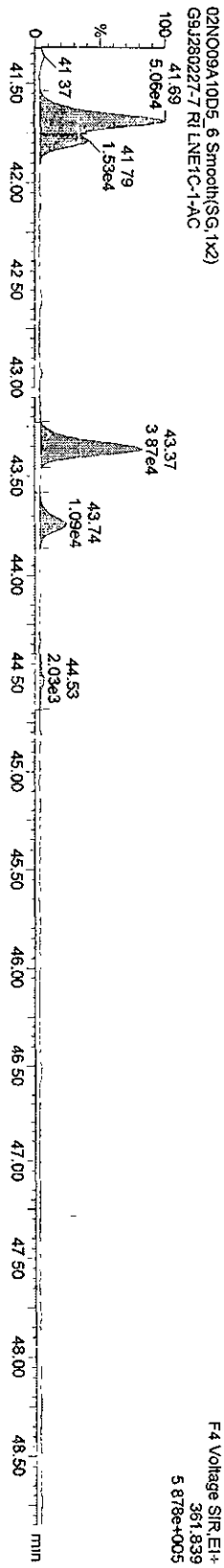
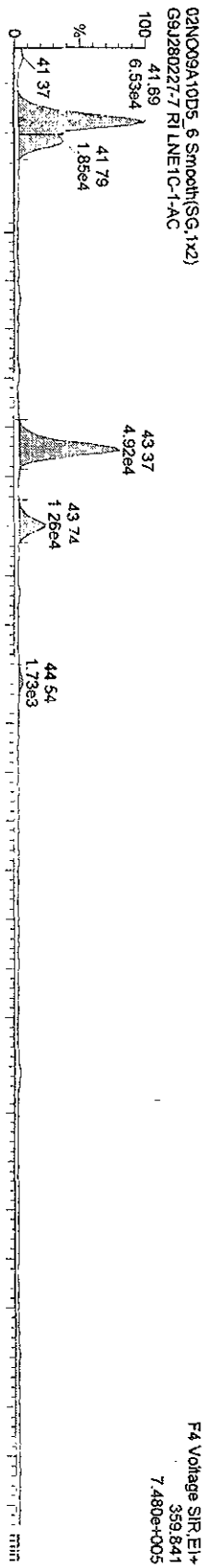


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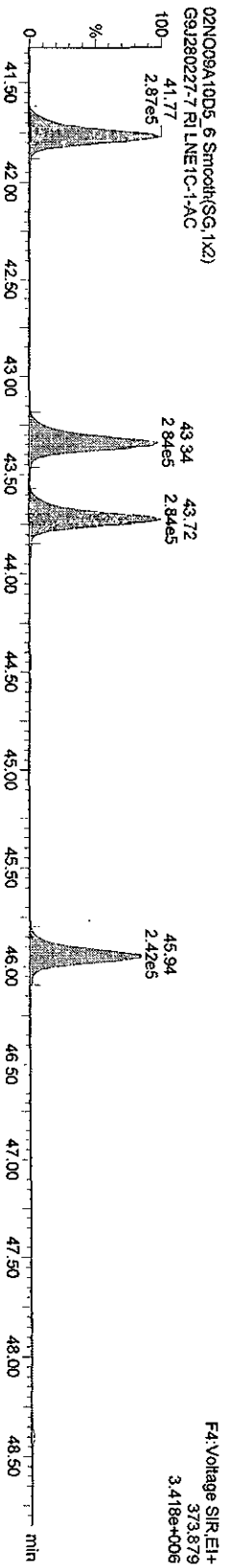
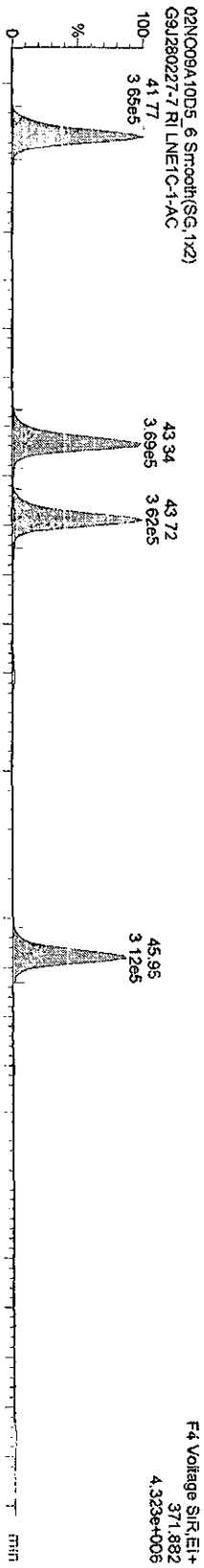
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02N009A10D5\_6, Date: 02-Nov-2009, Time: 20:54:11, ID: LNE1C-1-AC, Description: G9J280227-7 RI

HxPCBs-



13C-HxPCBs

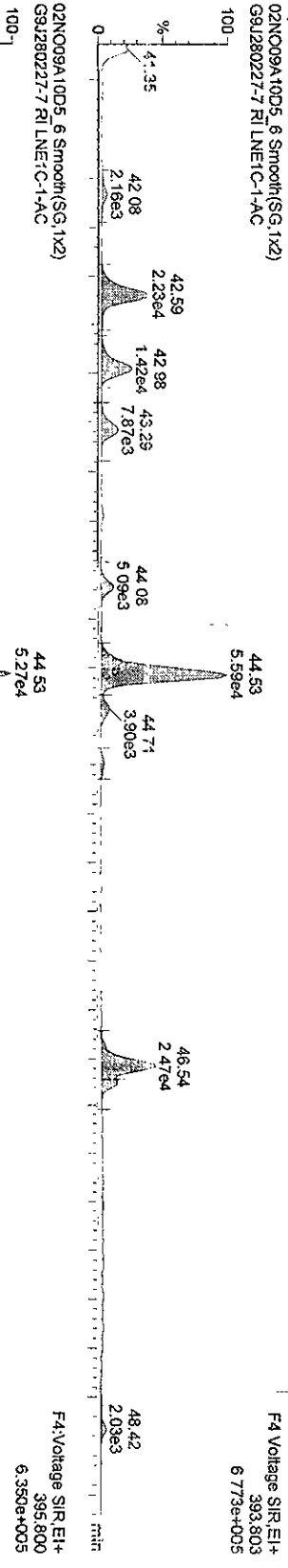


Dataset: C:\MassLynx\Default\pro\02NO09A10D51668MSL.qld

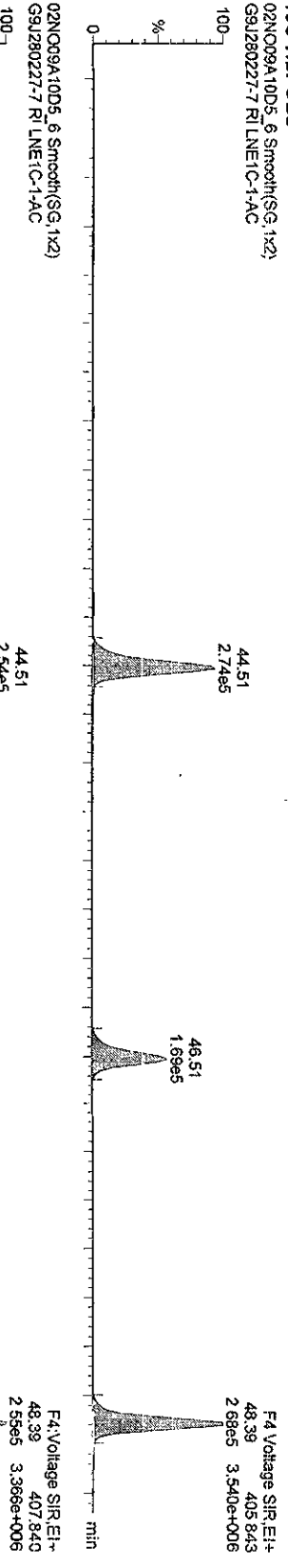
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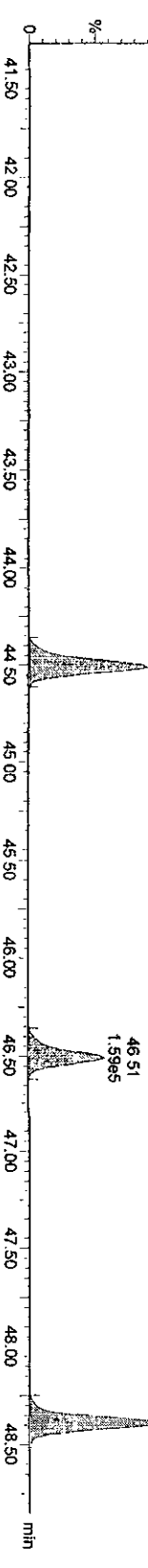
HP PCBs



13C-HP PCBs



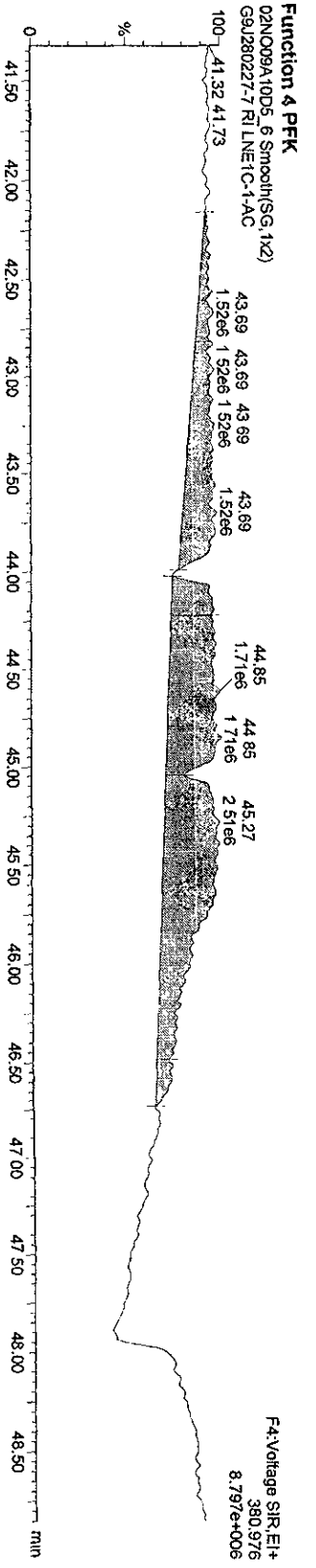
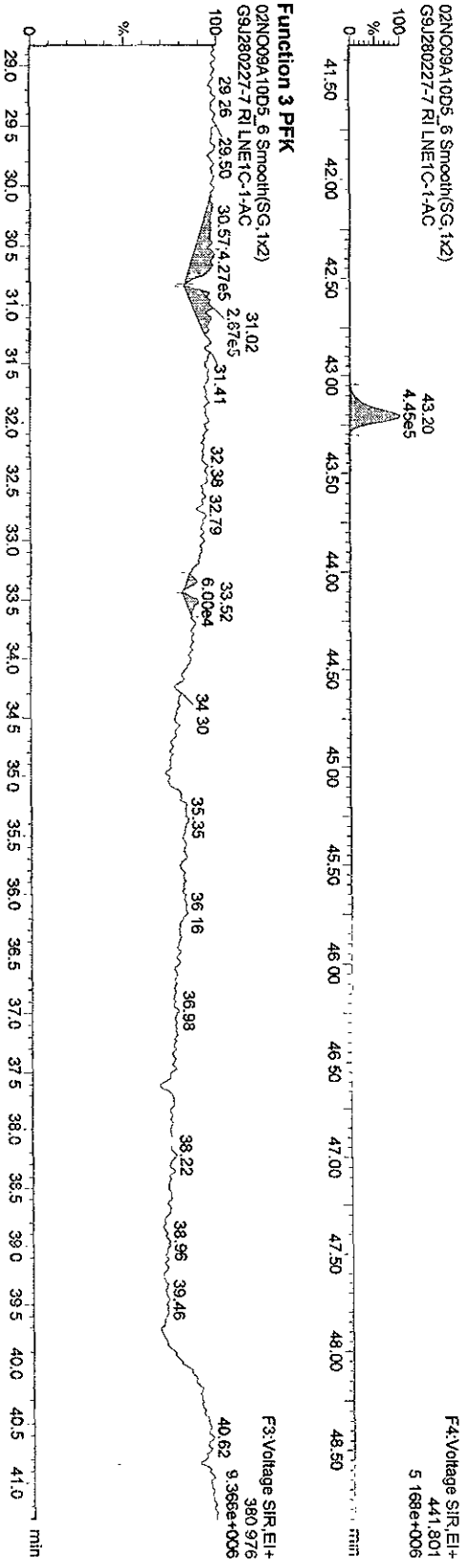
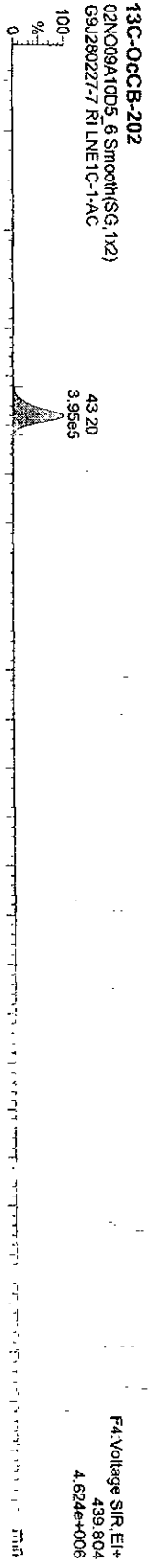
13C-HP PCBs



Dataset: C:\MassLynx\Default\pro\02NO09A10D51668MSL.qid

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
 Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_6, Date: 02-Nov-2009, Time: 20:54:11, ID: LNE1C-1-AC, Description: G9J280227-7 RI



Method ID 1668M

Associated ICAE ICAE716202910DS1668M50

Column ID DB-5

Instrument ID 10DS

STD ID ST1102

STD Solution 09DXN207

Analyzed by SMA

Date Analyzed 11-02-09

Std. Pkg. By SMA

Date Std. Pkg. Assembled 11-03-09

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 11/3/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits? <sup>**</sup>	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Method 1668A (PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ± 50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

Method 1614 (DBDs/DBFs): ± 30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ± 30%)

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

Method 1614 (DBDs/DBFs): a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71)

Dataset: C:\MassLynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time

Printed: Monday, November 02, 2009 2:49:02 PM Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 02 Nov 2009 06:49:13

Calibration: C:\MassLynx\Default.PRO\CurveDB\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 02NO0910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST1102, Description: CS-3 09DXN207

#	Name	Response	RT	RRF1	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D
1	13C-PeCB-101	1463436	31.76	1.0000	1.00000	100.00	0.0	100.0	0.632	NO	
2											
3	13C-TeCB-81	1436889	33.66	1.0394	0.98186	94.42	-5.6	94.4	0.782	NO	
4	TeCB-81	1034762	33.68	1.4583	1.44028	49.38	-1.2	98.8	0.760	NO	
5	13C-TeCB-77	1511132	34.35	1.1043	1.03259	93.51	-6.5	93.5	0.773	NO	
6	TeCB-77	931895	34.36	1.2706	1.23337	48.53	-2.9	97.1	0.757	NO	
7											
8	13C-PeCB-123	1480738	36.02	0.9932	1.01182	101.87	1.9	101.9	0.614	NO	
9	PeCB-123	1213606	36.04	1.5053	1.63919	54.44	8.9	108.9	0.613	NO	
10	13C-PeCB-118	1558853	36.19	1.0240	1.06520	104.02	4.0	104.0	0.634	NO	
11	PeCB-118/106	1219949	36.21	1.5253	1.56519	51.31	2.6	102.6	0.617	NO	
12	13C-PeCB-114	1591420	36.98	1.0369	1.08745	104.87	4.9	104.9	0.633	NO	
13	PeCB-114	1331143	37.00	1.5860	1.67290	52.74	5.5	105.5	0.611	NO	
14	13C-PeCB-105	1517522	38.04	0.9815	1.03696	105.65	5.6	105.6	0.631	NO	
15	PeCB-105/127	1114828	38.07	1.4332	1.46927	51.26	2.5	102.5	0.610	NO	
16	13C-PeCB-126	1605323	40.35	1.0299	1.09695	106.50	6.5	106.5	0.623	NO	
17	PeCB-126	981757	40.37	1.1558	1.22313	52.91	5.8	105.8	0.641	NO	
18											
19	13C-OcCB-202	1669059	43.15	1.0000	1.00000	100.00	0.0	100.0	0.886	NO	
20											
21	13C-HxCB-167	1550301	41.71	1.0024	0.92885	92.66	-7.3	92.7	1.281	NO	
22	HxCB-167	890717	41.74	1.3479	1.14909	42.62	-14.8	85.2	1.229	NO	
23	13C-HxCB-156	1256307	43.29	0.7851	0.75270	95.87	-4.1	95.9	1.274	NO	
24	HxCB-156	994378	43.31	1.6884	1.58302	46.88	-6.2	93.8	1.239	NO	
25	13C-HxCB-157	1351572	43.68	0.8352	0.80978	96.95	-3.1	96.9	1.278	NO	
26	HxCB-157	1037289	43.69	1.6596	1.53494	46.24	-7.5	92.5	1.217	NO	
27	13C-HxCB-169	1483096	45.89	0.8712	0.88858	101.99	2.0	102.0	1.263	NO	
28	HxCB-169	758093	45.91	1.0983	1.02231	46.54	-6.9	93.1	1.238	NO	
29											
30	13C-HpCB-180	1282614	44.45	0.6840	0.76847	112.34	12.3	112.3	1.056	NO	
31	HpCB-180	812359	44.48	1.3003	1.26672	48.71	-2.6	97.4	1.023	NO	
32	13C-HpCB-170	1052405	46.47	0.5477	0.63054	115.12	15.1	115.1	1.054	NO	
33	HpCB-170	842440	46.48	1.6150	1.60098	49.57	-0.9	99.1	1.018	NO	
34	13C-HpCB-189	1422872	48.36	0.6976	0.85250	122.19	22.2	122.2	1.058	NO	
35	HpCB-189	844120	48.37	1.2307	1.18650	48.20	-3.8	96.4	1.031	NO	
36											
37	13C-PeCB-111	1976838	33.53	1.3047	1.27474	97.70	-2.3	97.7	0.628	NO	
38											
39	Function 3 PFK										
40	Function 4 PFK										



File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ut
1 02NO0910D5_1	CS-3 09DXN207	ST1102	---		1.000000	---	---
2 02NO0910D5_2	Solvent Blank C-12	SB1102	---		1.000000	---	---
3 02NO0910D5_3	G9J290203-1MB RI	LN9P-1-AA	1668/Waste	3	0.100000	g	20
4 02NO0910D5_4	G9I290159-6MB RI	LNHRD-1-AAB	1668/Solid	5	10.000000	g	20
5 02NO0910D5_5	G9I290159-6LCS RI	LNHRD-1-ACC	1668/Solid	---	10.000000	g	20
6 02NO0910D5_6	G9I290159-7 RI	LLM81-1-AC	1668/Solid	---	10.120000	g	20
7 02NO0910D5_7	G9I290159-6 RI	LLM8X-1-AC	1668/Solid	---	5.000000	g	50
8 02NO0910D5_8	G9J280227-6 RI	LINE02-1-AA	1668/Solid	---	5.850000	g	20
9 02NO0910D5_9	G9J280227-7 RI	LINE1C-1-AC	1668/Solid	---	10.570000	g	20
10 02NO0910D5_10	F9I250217-7	LLHGM-1-CC	1668/Solid	---	10.200000	g	20
11 02NO0910D5_11	F9I250217-7MS	LLHGM-1-FDS	1668/Solid	---	10.075000	g	20
12 02NO0910D5_12	F9I250217-7SD	LLHGM-1-FED	1668/Solid	---	10.130000	g	20
13 02NO0910D5_13	F9I250217-9	LLHGX-1-CC	1668/Solid	---	10.070000	g	20

Filament  
burned out

Logfile checked  
 11-02-09  
 SMA

Sample List: C:\MassLynx\Default.pro\Samp\edb\02NO0910D5.SPL

Page 2 of 3

Last Modified: Monday, November 02, 2009 16:03:03 Pacific Standard Time

Printed: Monday, November 02, 2009 16:03:06 Pacific Standard Time

Page Position (2, 1)

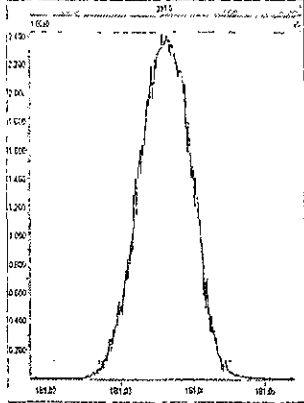
Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
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Tray1:2	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:3	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:4	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:5	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:6	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:7	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:8	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:10	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:11	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000

Conc E	Conc F	Conc G	Conc H	Task
100	---	---	---	---
---	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
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2000	---	---	---	---

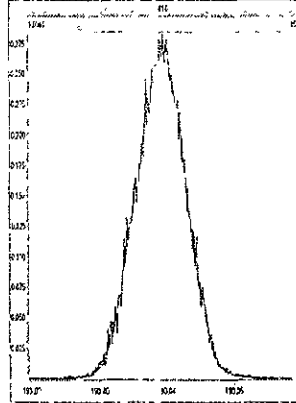
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Printed: Monday, November 02, 2009 08:05:48 Pacific Standard Time

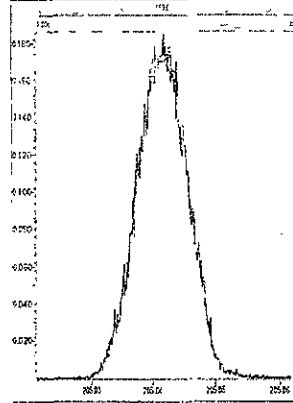
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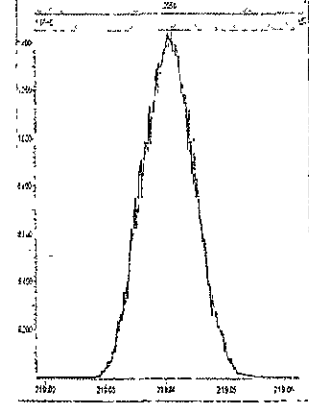
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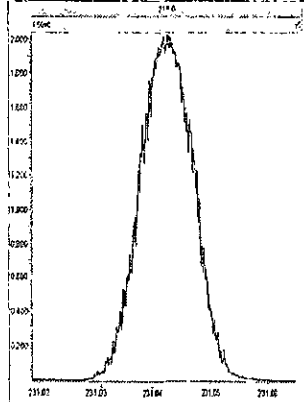
M 204.9888 R 11208



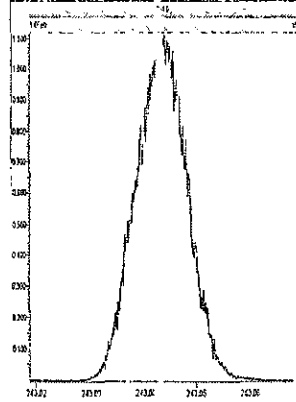
M 218.9856 R 11210



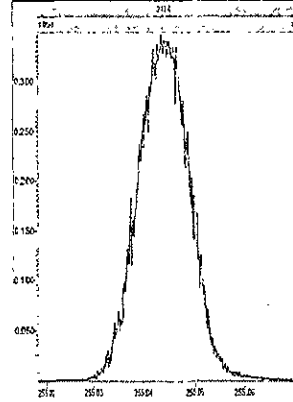
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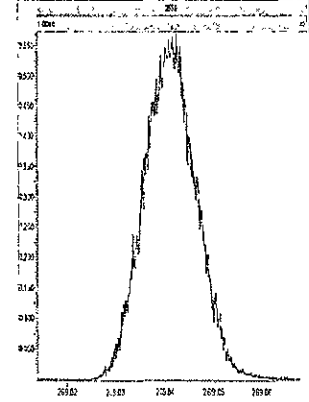
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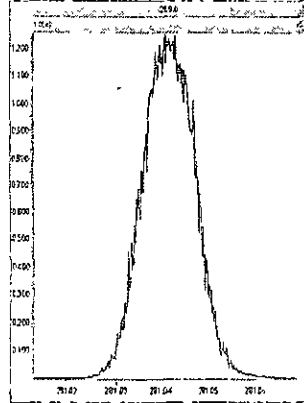
M 254.9856 R 11160



M 268.9824 R 11063



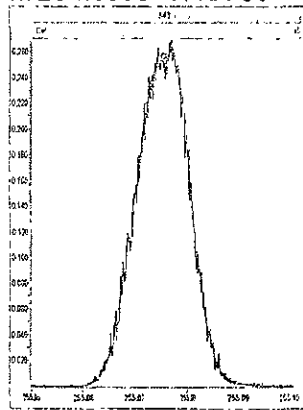
M 280.9824 R 11060



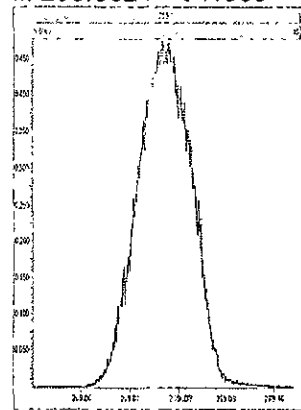
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Printed: Monday, November 02, 2009 08:06:31 Pacific Standard Time

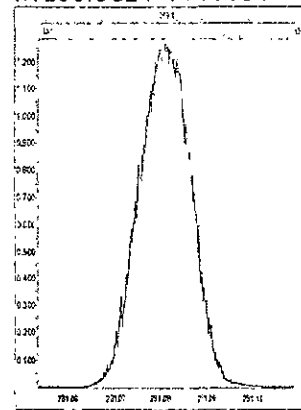
M 254.9856 R 10730



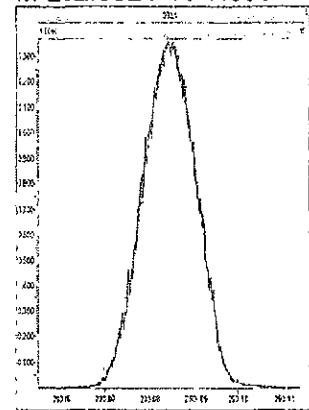
M 268.9824 R 11009



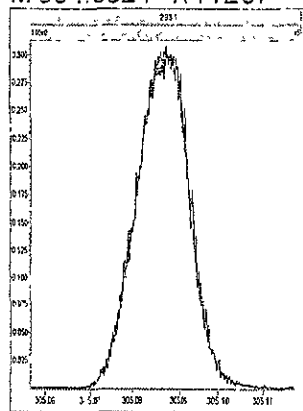
M 280.9824 R 11161



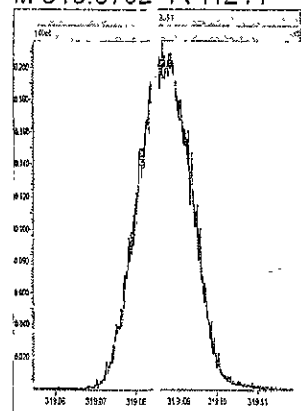
M 292.9824 R 11060



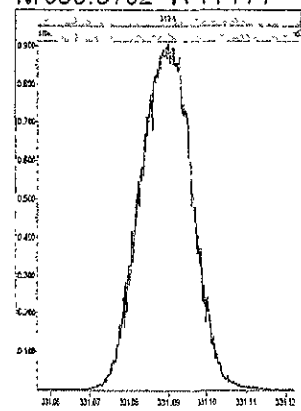
M 304.9824 R 11207



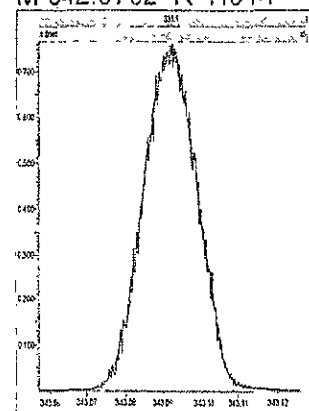
M 318.9792 R 11211



M 330.9792 R 11414



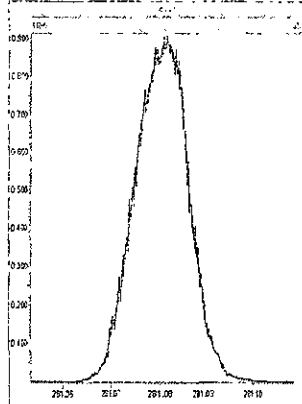
M 342.9792 R 11314



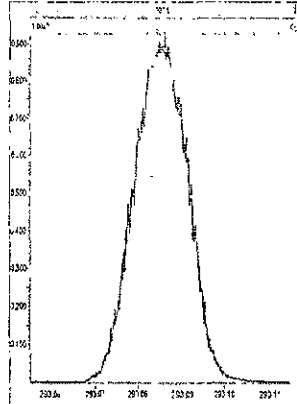
File: Experiment 1668M10D5.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, November 02 2009 08:07:32 Pacific Standard Time

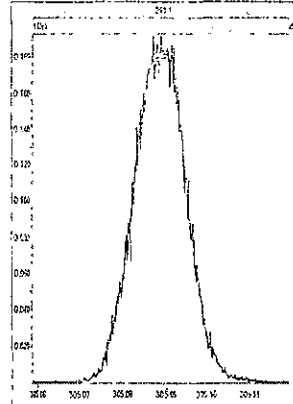
M 280.9824 R 11013



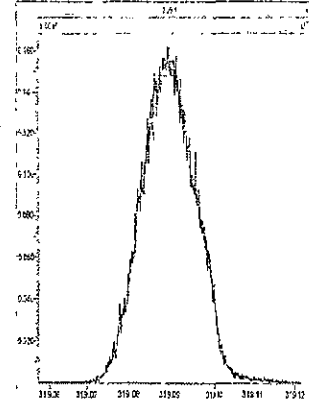
M 292.9824 R 10868



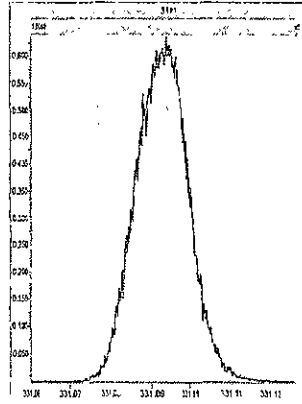
M 304.9824 R 11314



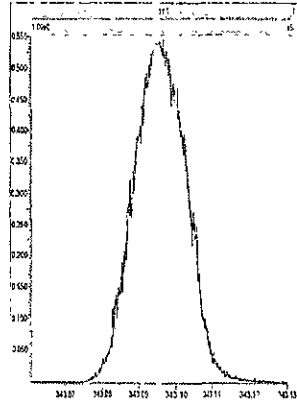
M 318.9792 R 11014



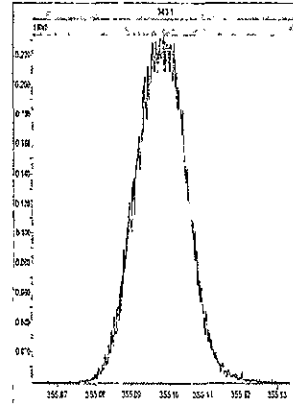
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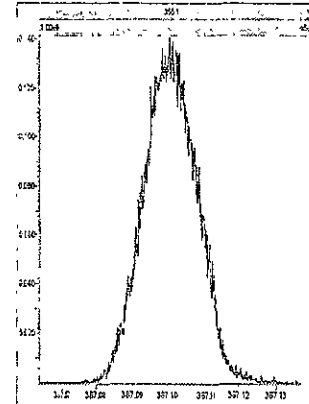
M 342.9792 R 10820



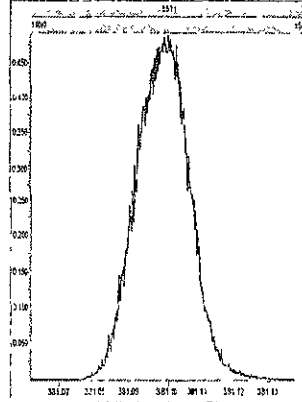
M 354.9792 R 11161



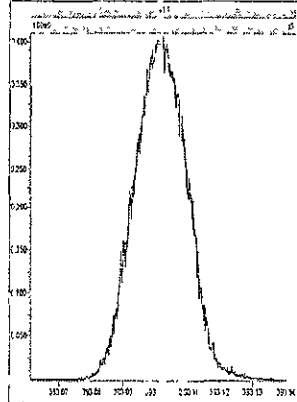
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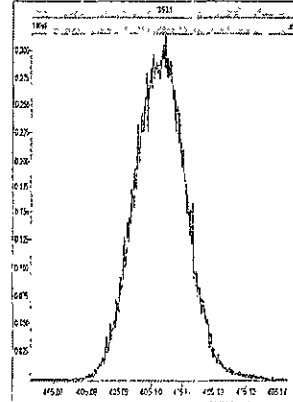
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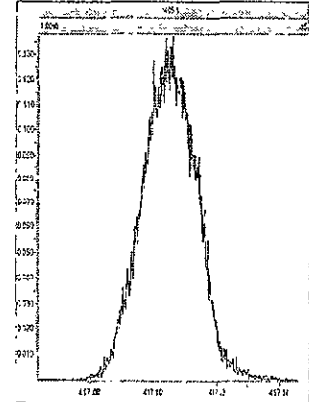
M 392.9760 R 11058



M 404.9760 R 11061



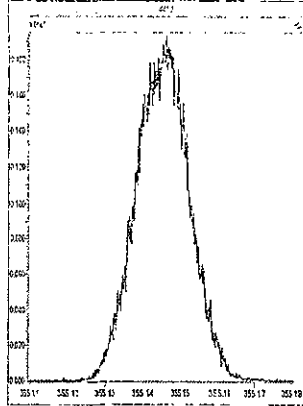
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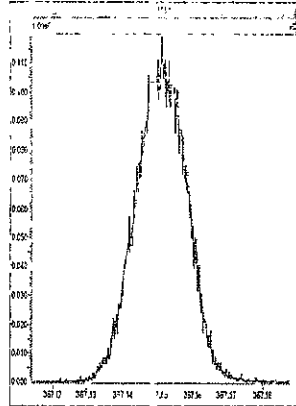
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Printed: Monday, November 02 2009 08:08:08 Pacific Standard Time

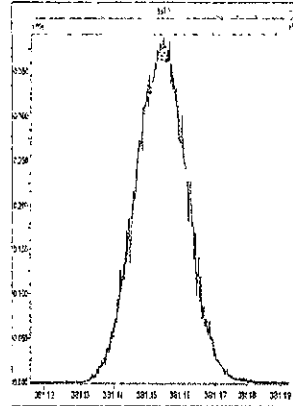
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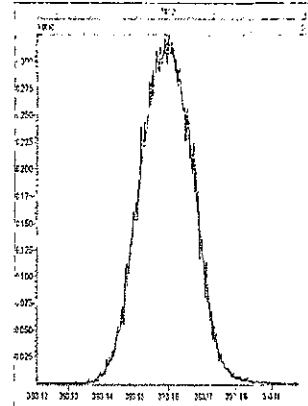
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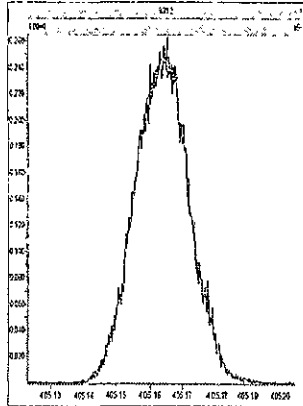
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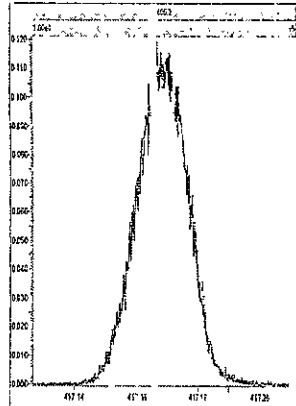
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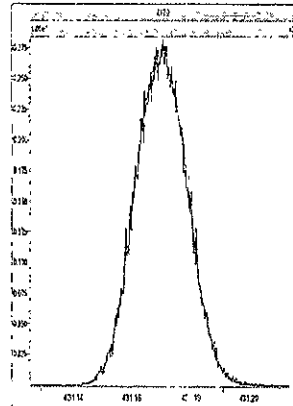
M 404.9760 R 11063



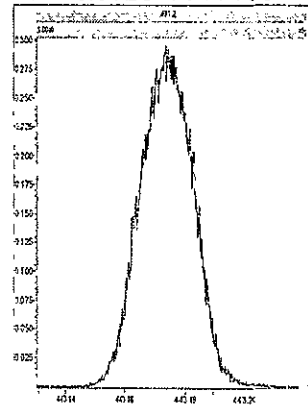
M 416.9760 R 10920



M 430.9728 R 11016



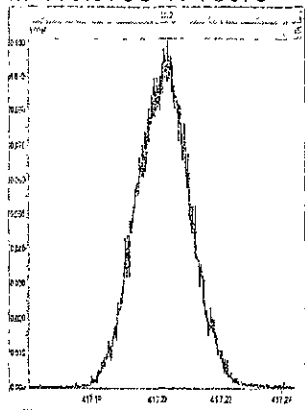
M 442.9728 R 11465



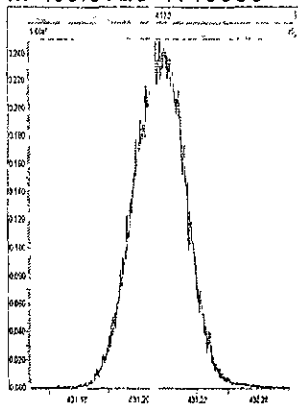
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Printed: Monday, November 02 2009 08:09:03 Pacific Standard Time

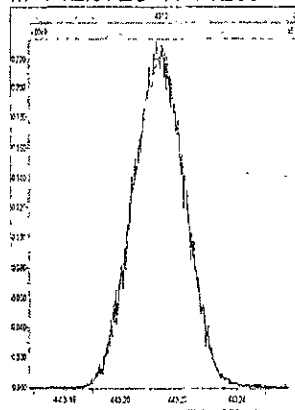
M 416.9760 R 10870



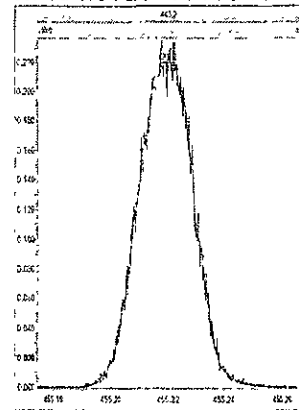
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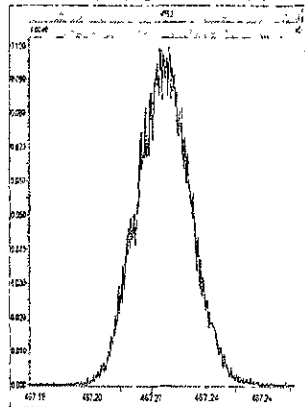
M 442.9728 R 11209



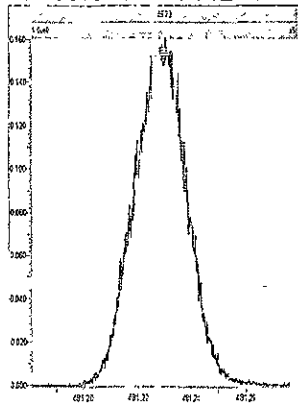
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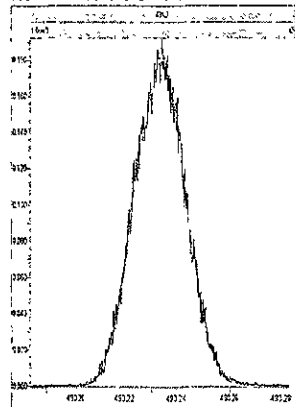
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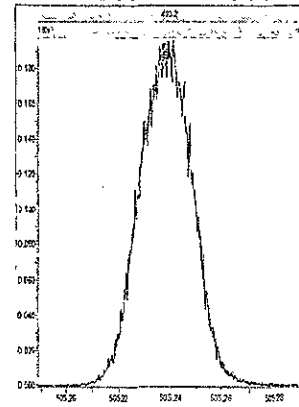
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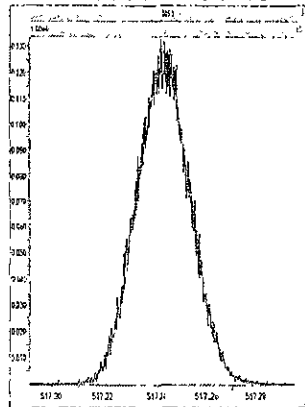
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M 504.9696 R 10965



M 516.9697 R 11110

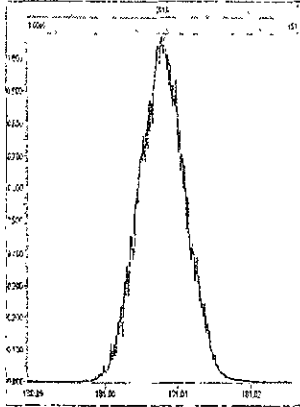




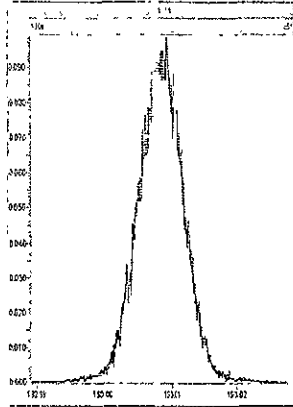
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Printed: Monday, November 02, 2009 15:41.46 Pacific Standard Time

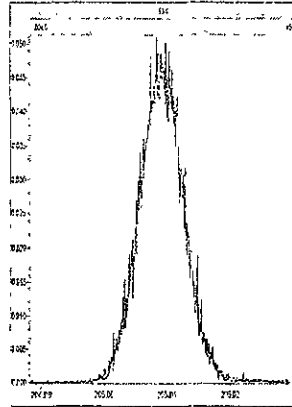
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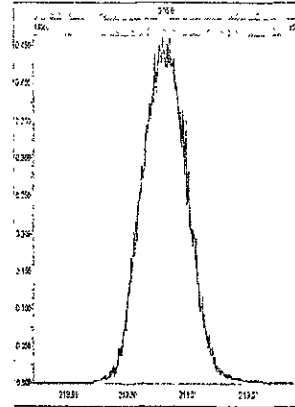
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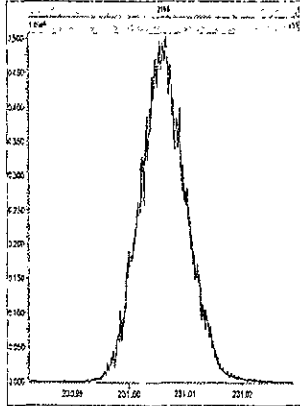
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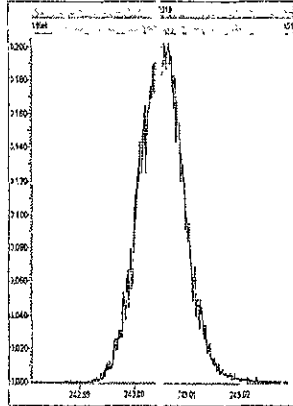
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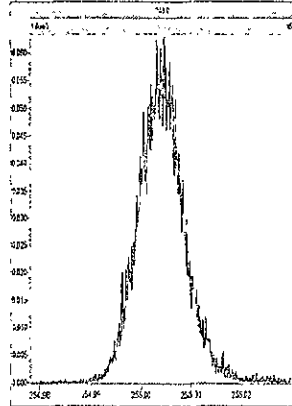
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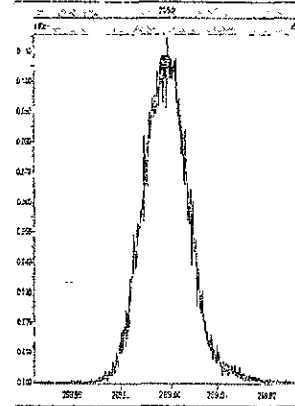
M 242.9856 R 12438



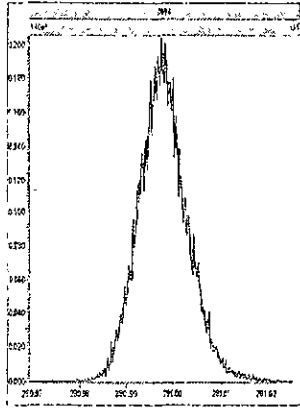
M 254.9856 R 12256



M 268.9824 R 12625



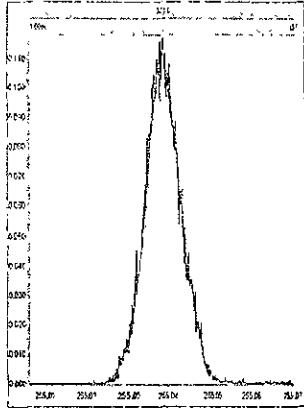
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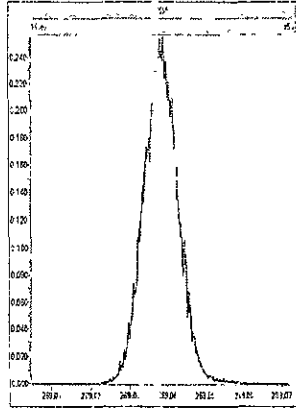
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Printed: Monday, November 02 2009 15:42:37 Pacific Standard Time

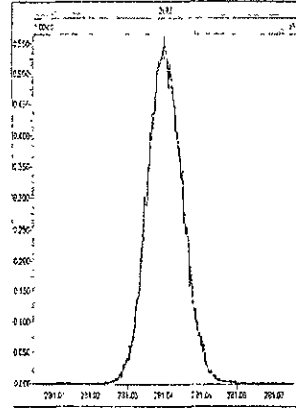
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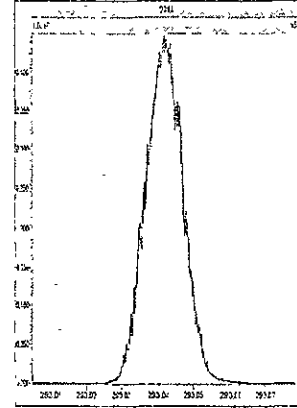
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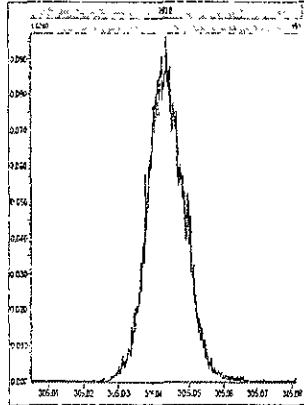
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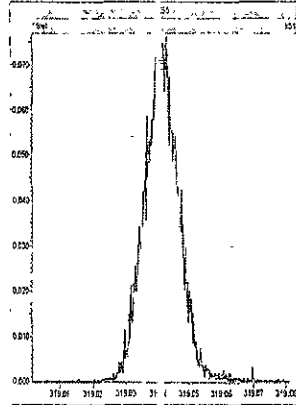
M 292.9824 R 12420



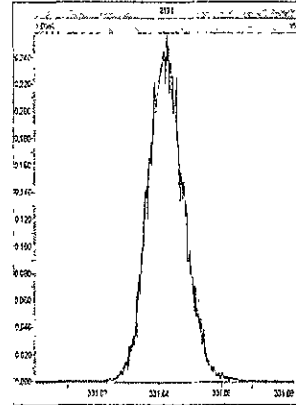
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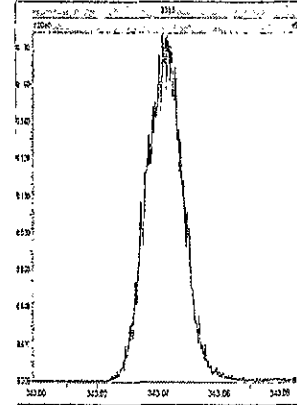
M 318.9792 R 12576



M 330.9792 R 12578



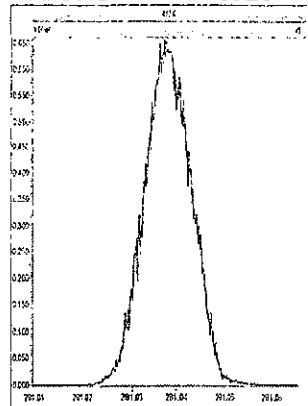
M 342.9792 R 12500



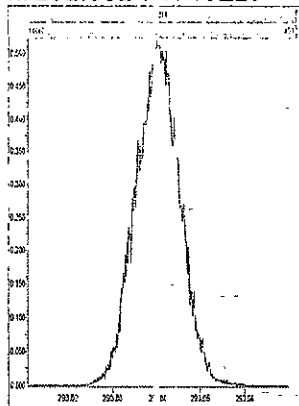
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Printed: Monday, November 02, 2009 15:44:45 Pacific Standard Time

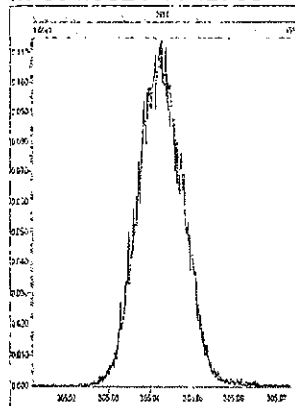
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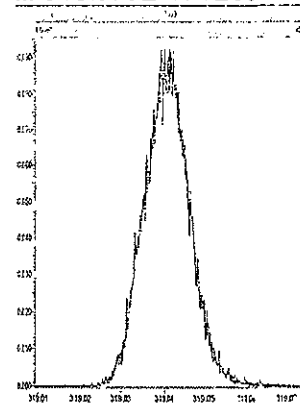
M 292.9824 R 13223



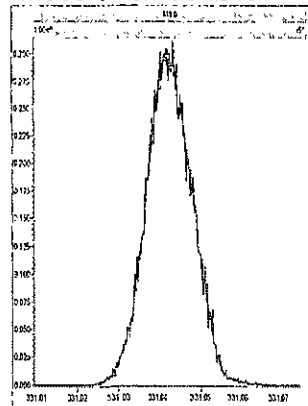
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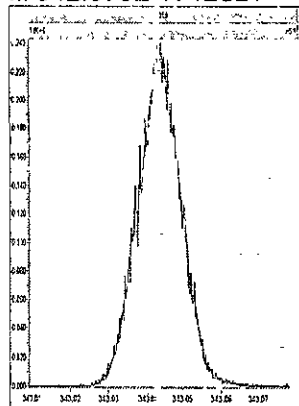
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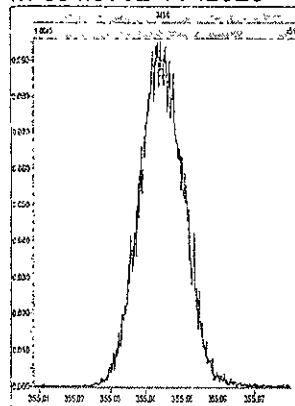
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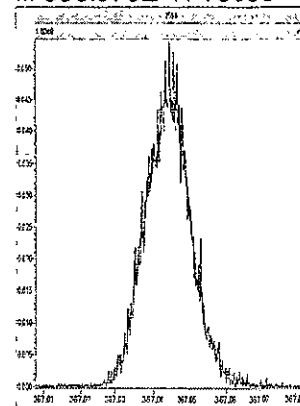
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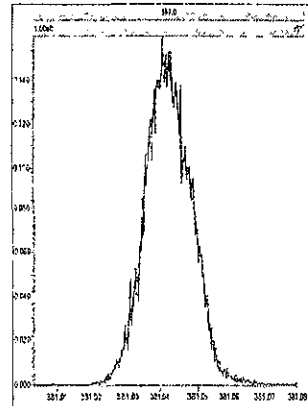
M 354.9792 R 12625



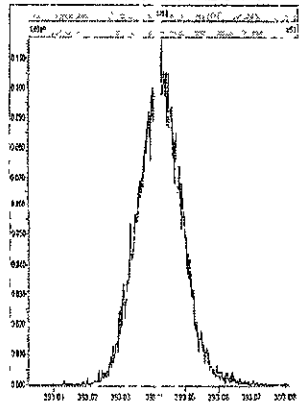
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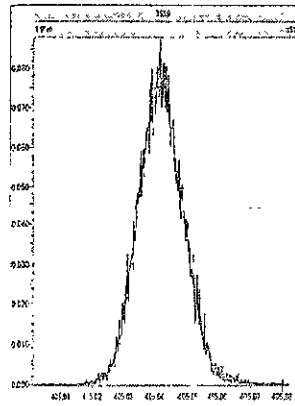
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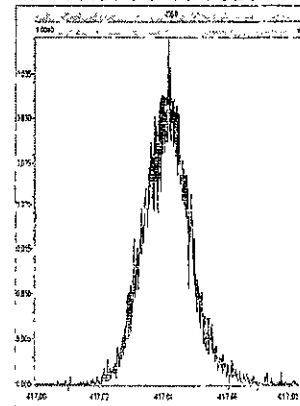
M 392.9760 R 12314



M 404.9760 R 12440



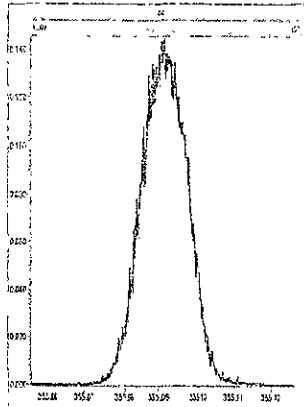
M 416.9760 R 13298



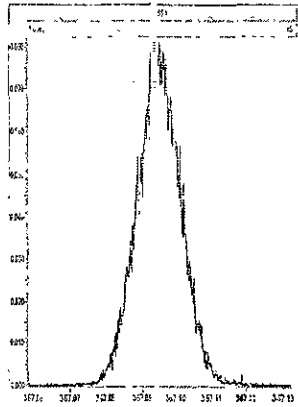
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Printed: Monday, November 02 2009 15:46:11 Pacific Standard Time

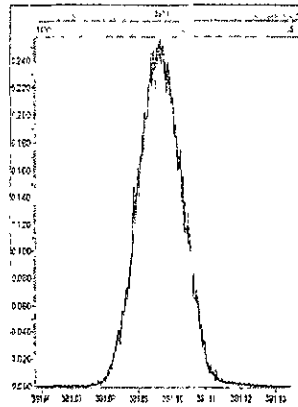
M 354.9792 R 12563



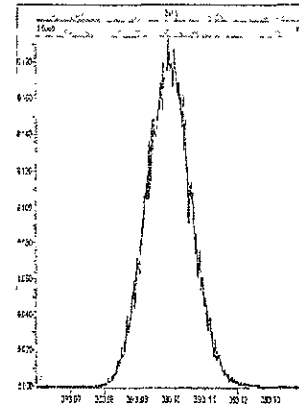
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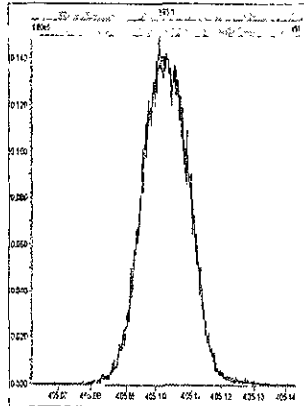
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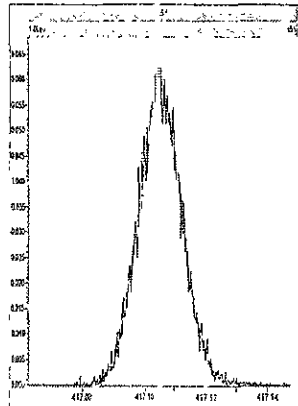
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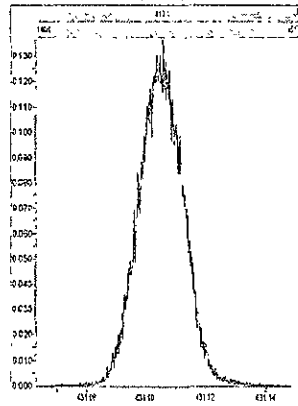
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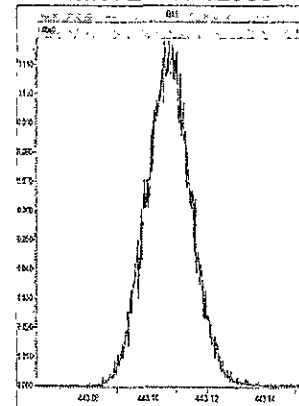
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M 430.9728 R 12559



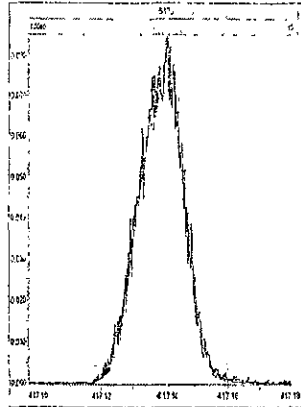
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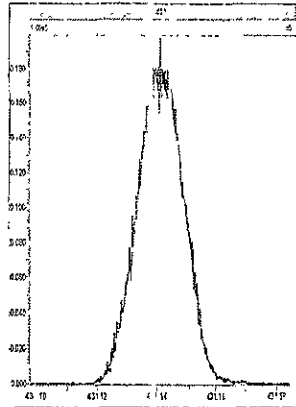
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Printed: Monday, November 02 2009 15:47:07 Pacific Standard Time

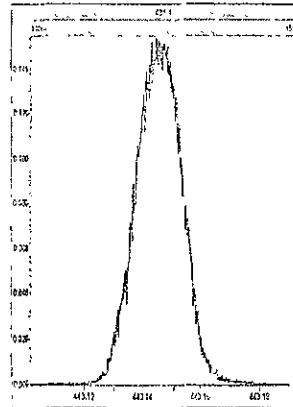
M 416.9760 R 12819



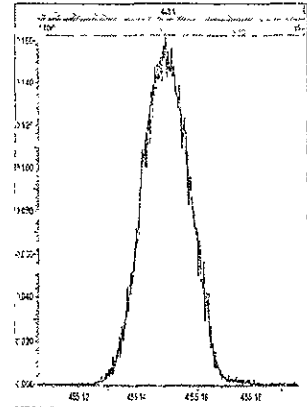
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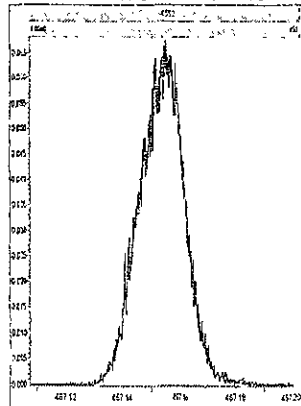
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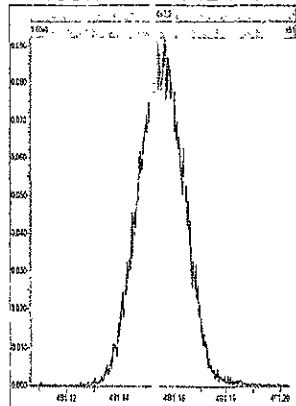
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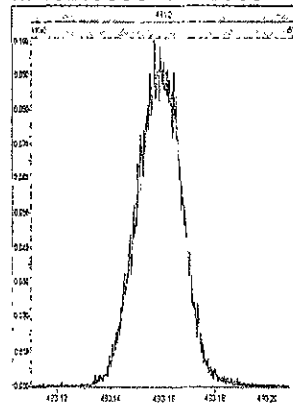
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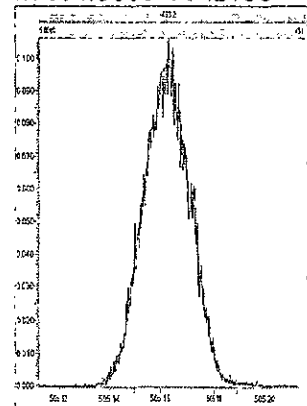
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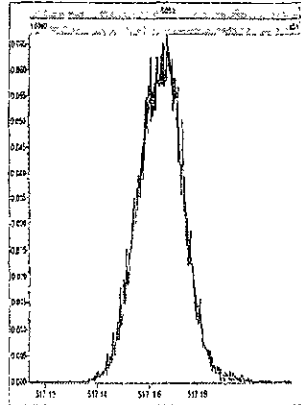
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M 504.9696 R 12193



M 516.9697 R 12623



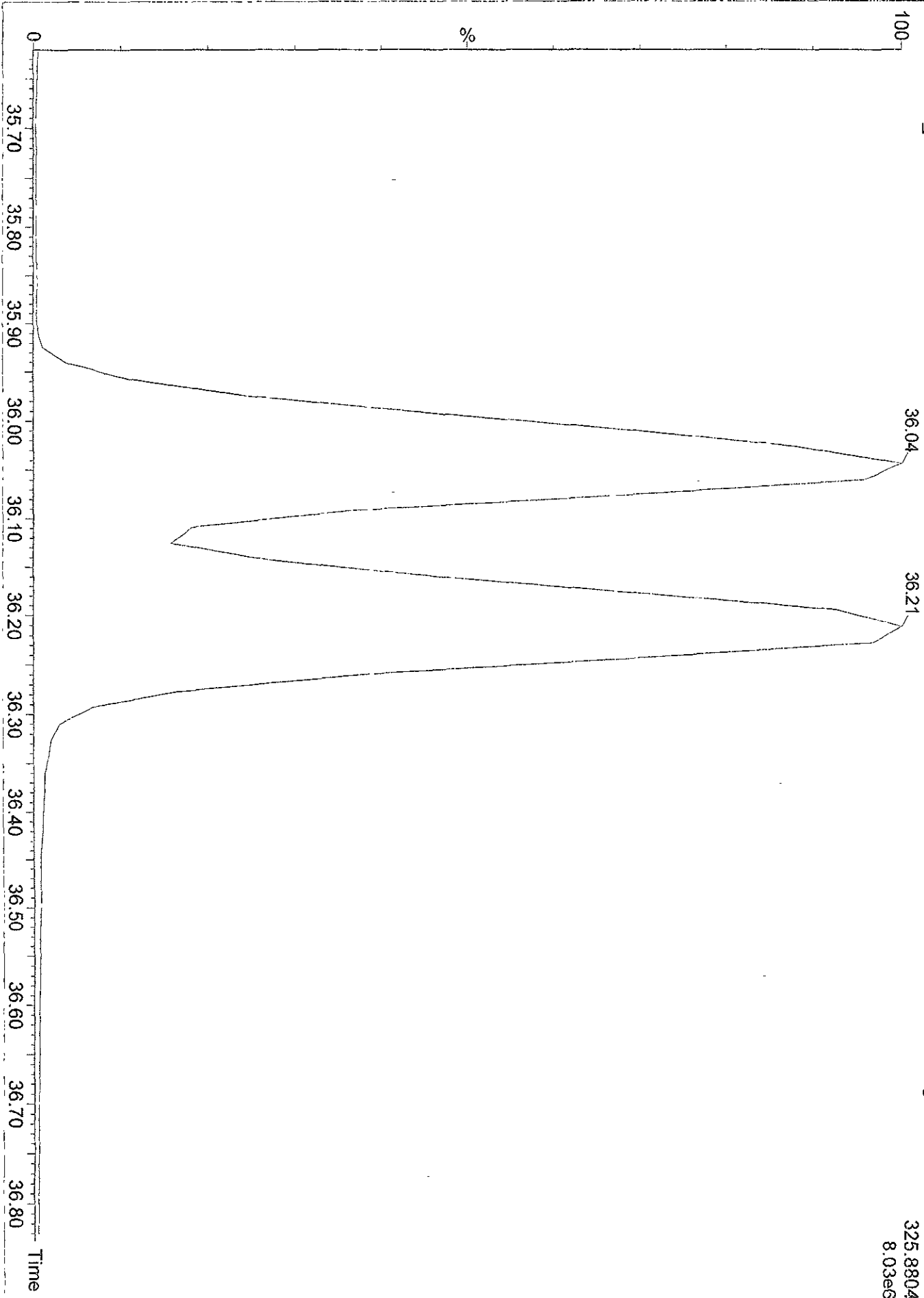
CS-3 09DXN207

02NO0910D5\_1

3: Voltage SIR 17 Channels EI+

325.8804

8.03e6



Dataset: C:\MassLynx\Default.pro\02NO091\0D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 07:10:38 Pacific Standard Time

Printed: Tuesday, November 03, 2009 07:13:57 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1663\SL10DB5.mdb 02 Nov 2009 06:49:13

Calibration: C:\MassLynx\Default.PRO\CurveDE\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

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1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C-PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

Dataset C:\MassLynx\Default pro\02N00910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time

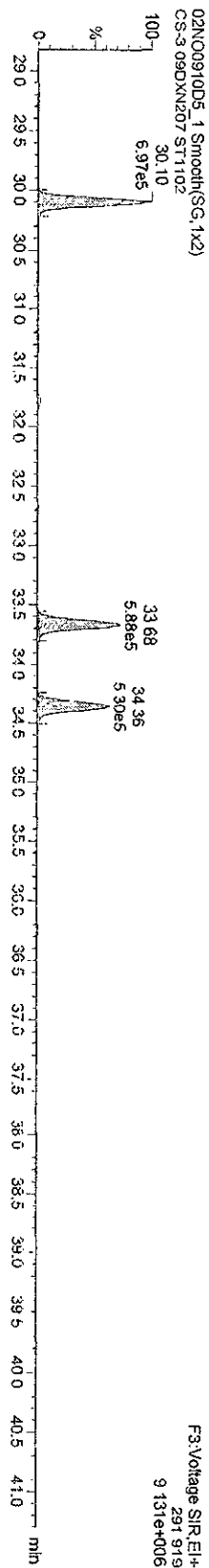
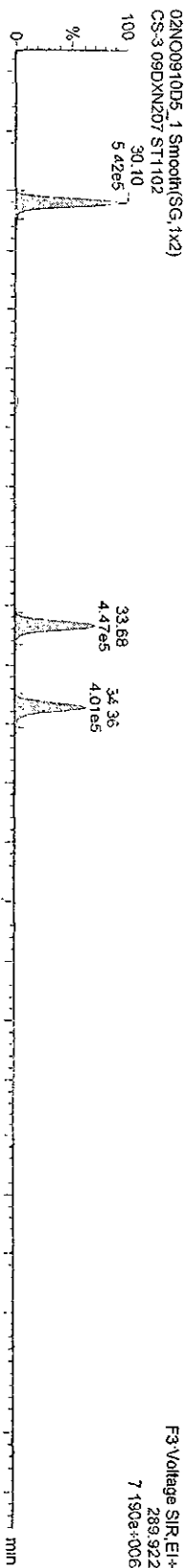
Printed: Monday, November 02, 2009 2:48:45 PM Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethodB1668MSL10DB5.mdb 02 Nov 2009 06:49:13

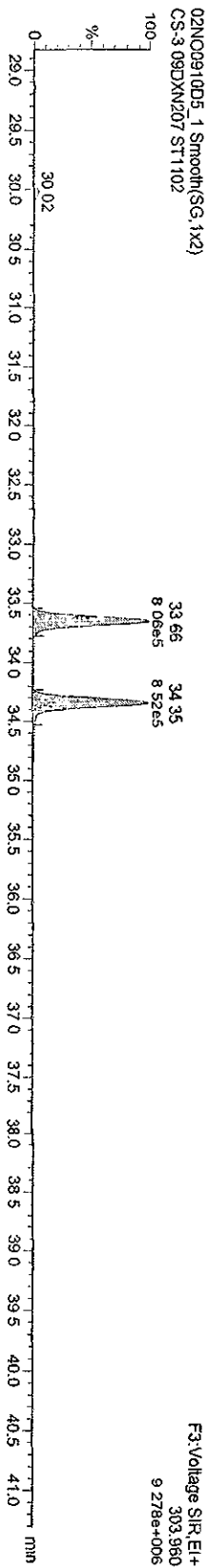
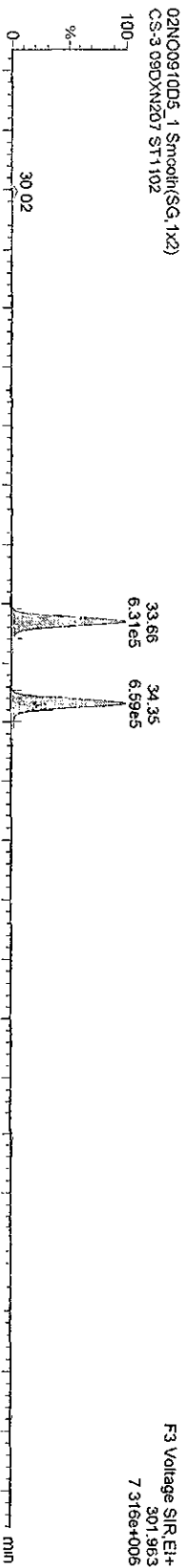
Calibration: C:\MassLynx\Default.PRO\CurveDB1CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 02N00910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST1102, Description: CS-3 09DXN207

TetraPCBs



13C-TetraPCBs



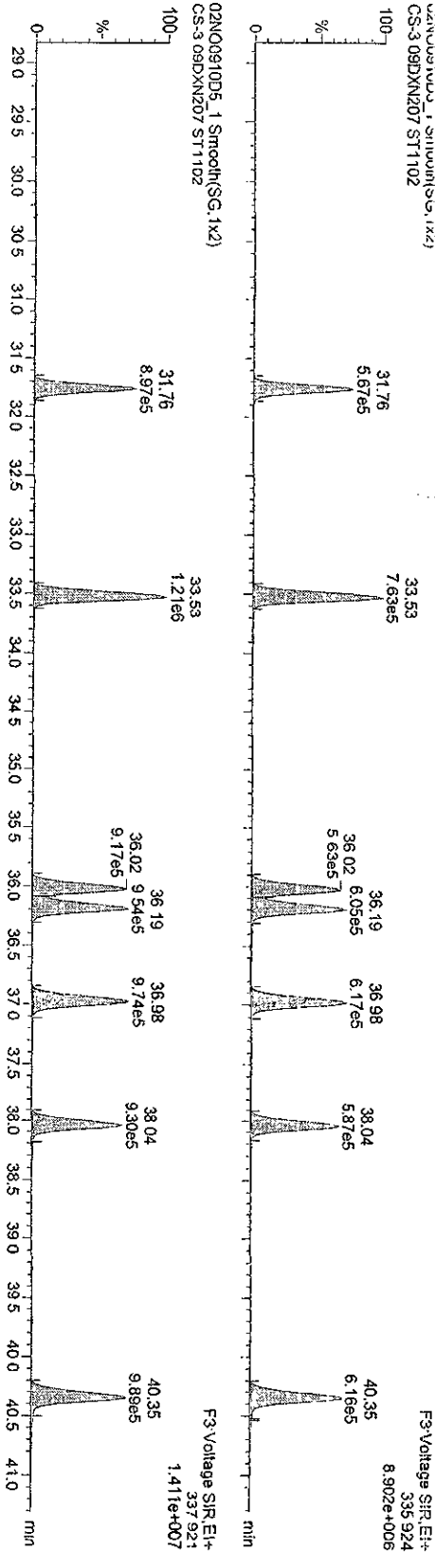
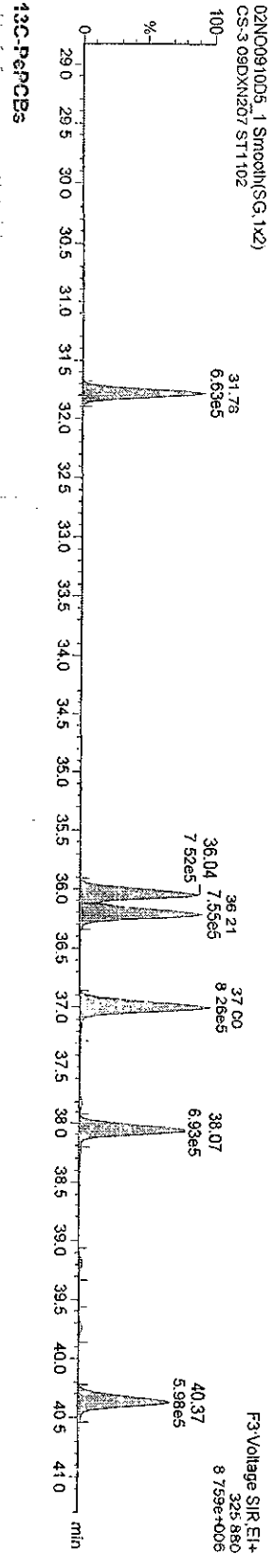
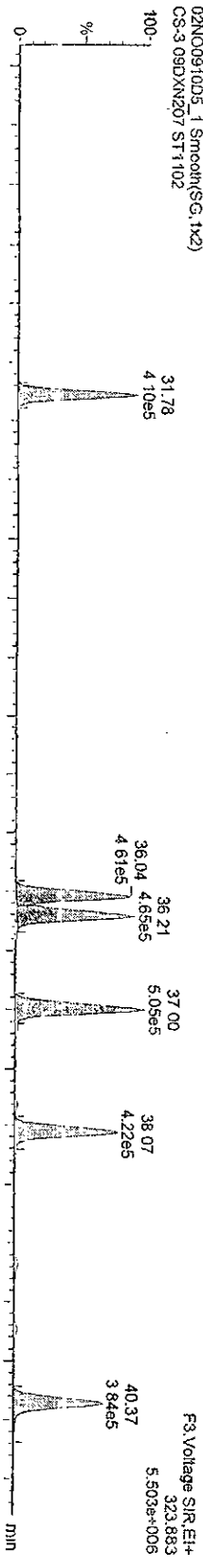


Dataset C:\Masslynx\Default\proj\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:48:45 PM Pacific Standard Time

Name: 02NO0910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST1102, Description: CS-3 09DXN207

PePCBs

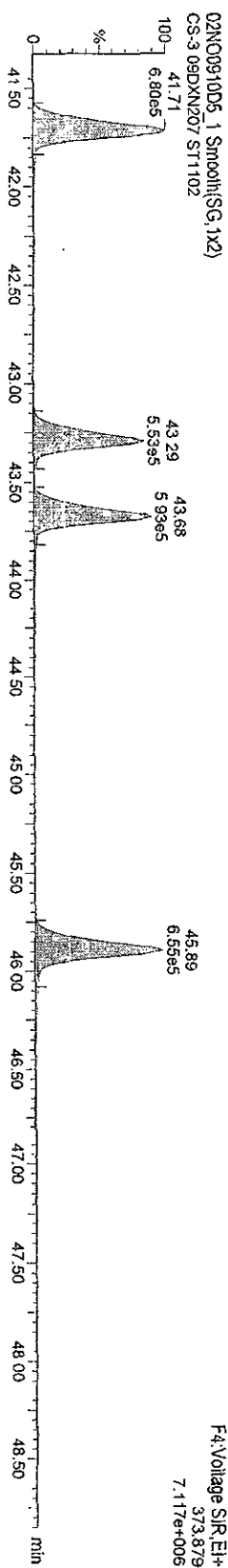
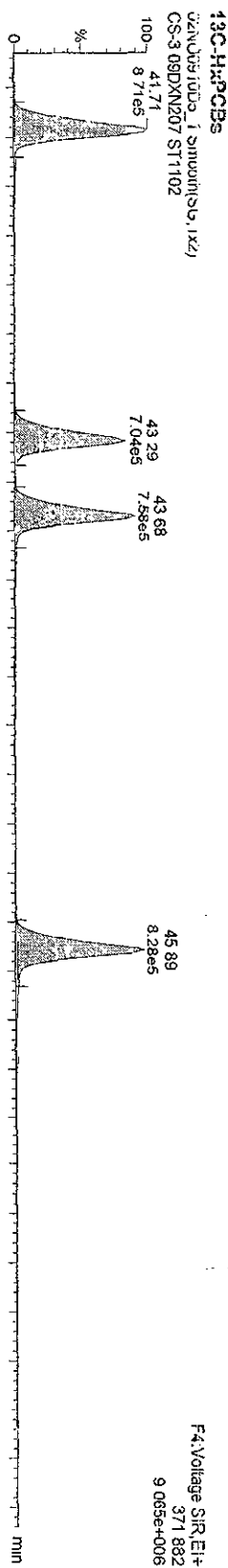
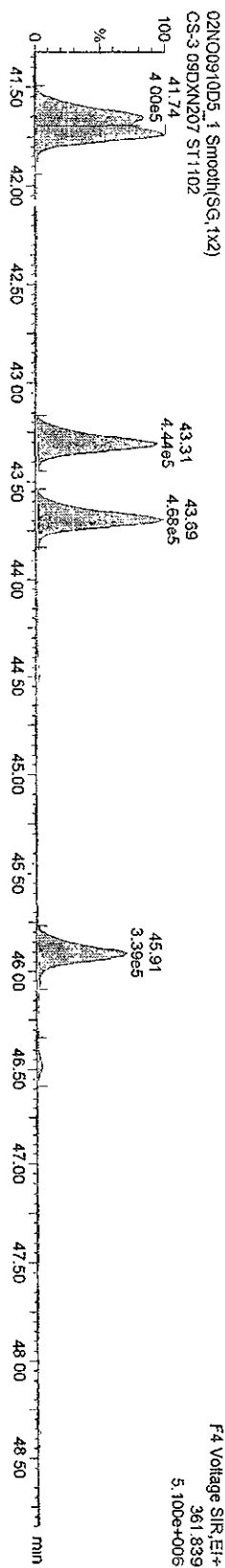
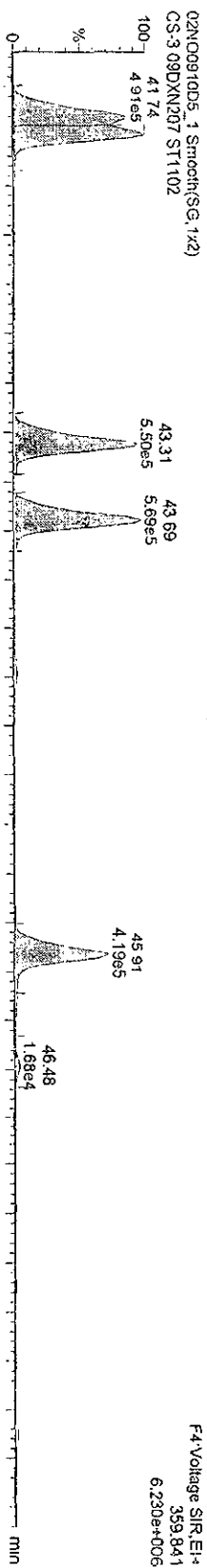


Dataset: C:\Masslynx\Default\pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:48:45 PM Pacific Standard Time

Name: 02NO0910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST1102, Description: CS-3 09DXN207

HxPCBs-



Dataset C:\MassLynx\Default\pro\02N00910D51668MSL.qld

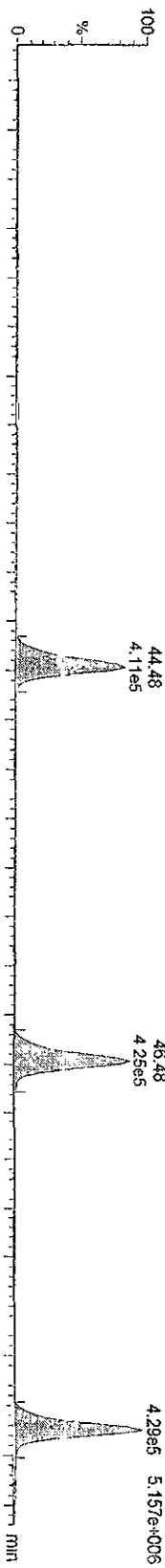
Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time

Printed: Monday, November 02, 2009 2:48:45 PM Pacific Standard Time

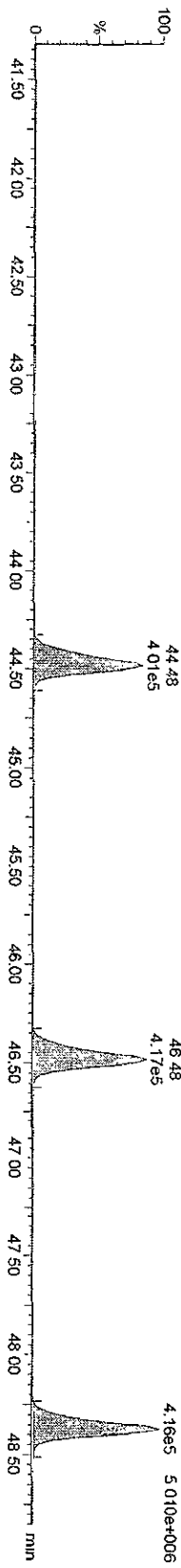
Name: 02N00910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST11102, Description: CS-3-09DXN207

**HpPCBs**

02N00910D5\_1 Smooth(SG, 1x2)  
CS-3-09DXN207 ST11102

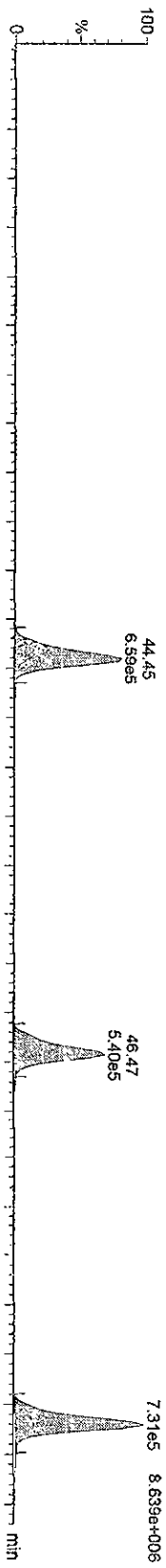


02N00910D5\_1 Smooth(SG, 1x2)  
CS-3-09DXN207 ST11102

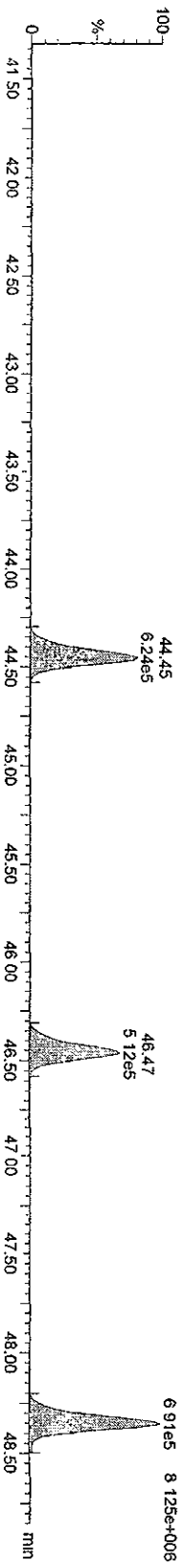


**13C-HpPCBs**

02N00910D5\_1 Smooth(SG, 1x2)  
CS-3-09DXN207 ST11102



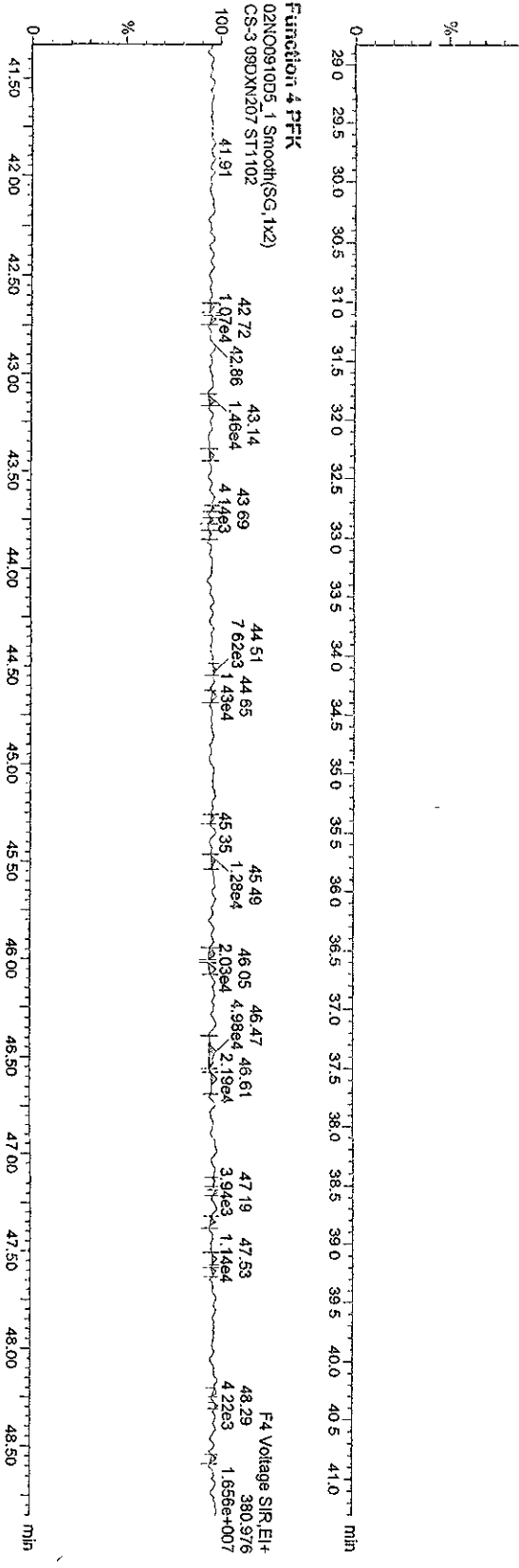
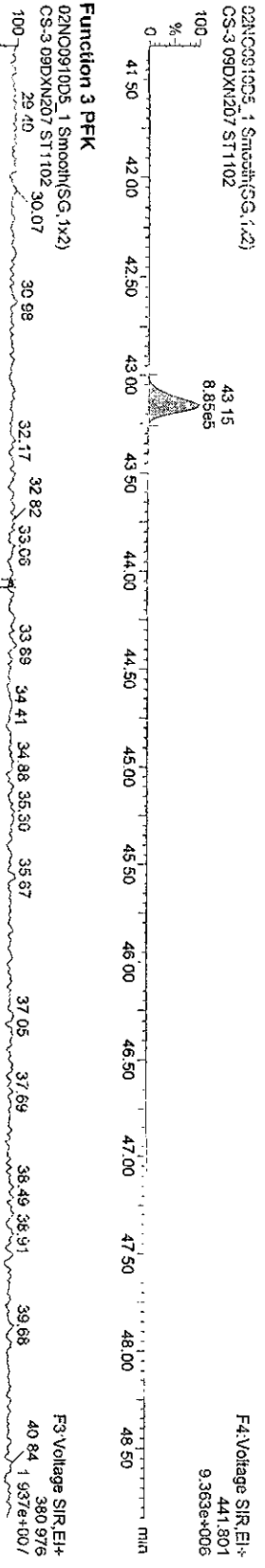
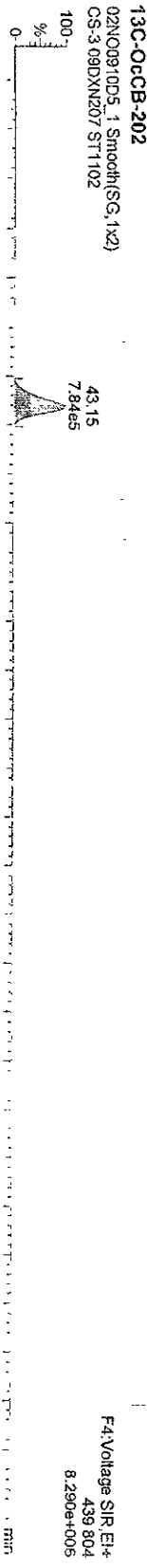
02N00910D5\_1 Smooth(SG, 1x2)  
CS-3-09DXN207 ST11102



Dataset: C:\Masslynx\Default.pro\02NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:48:01 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:48:45 PM Pacific Standard Time

Name: 02NO0910D5\_1, Date: 02-Nov-2009, Time: 08:12:18, ID: ST1102, Description: CS-3 09DXN207



Dataset: C:\Masslynx\Default\prod\02NOV09\10D51668M\SL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time

Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

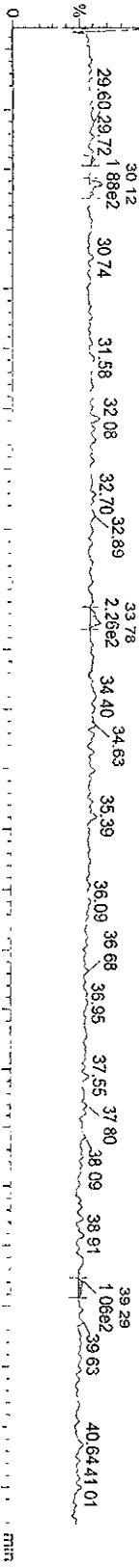
Name: 02NOV0910D5\_2, Date: 02-Nov-2009, Time: 09:10:28, ID: SB1102, Description: Solvent Blank C-12

TetraPCBs

02NOV0910D5\_2.Smooth(SG,1x2)

Solvent Blank C-12 SB1102

100



F3:Voltage SIR.EI+

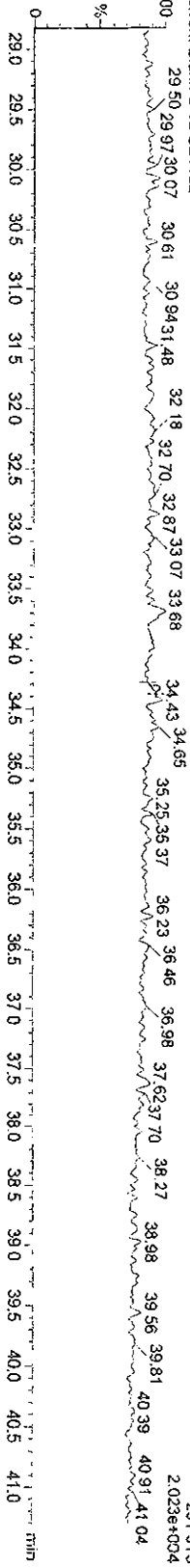
289.922

2.944e+004

02NOV0910D5\_2.Smooth(SG,1x2)

Solvent Blank C-12 SB1102

100



F3:Voltage SIR.EI+

291.919

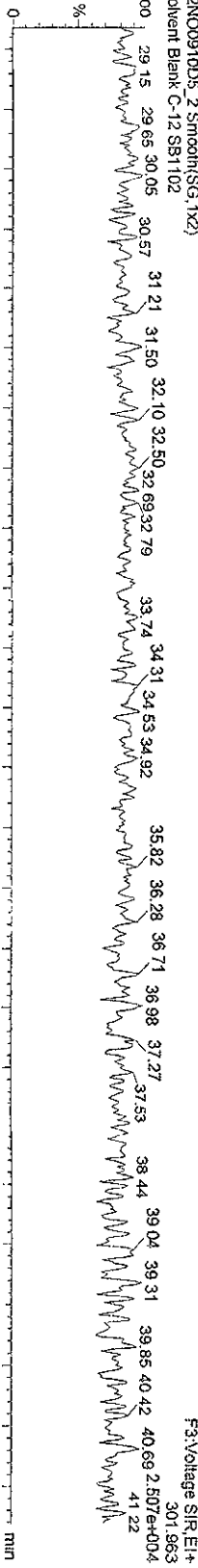
2.023e+004

13C-TetraPCBs

02NOV0910D5\_2.Smooth(SG,1x2)

Solvent Blank C-12 SB1102

100



F3:Voltage SIR.EI+

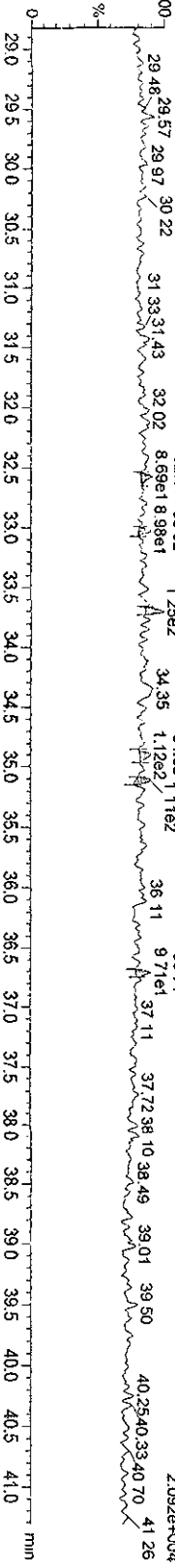
301.963

2.507e+004

02NOV0910D5\_2.Smooth(SG,1x2)

Solvent Blank C-12 SB1102

100



F3:Voltage SIR.EI+

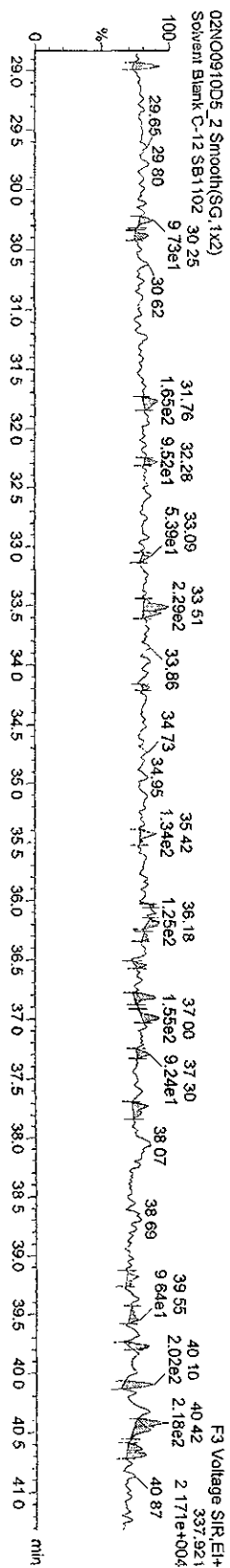
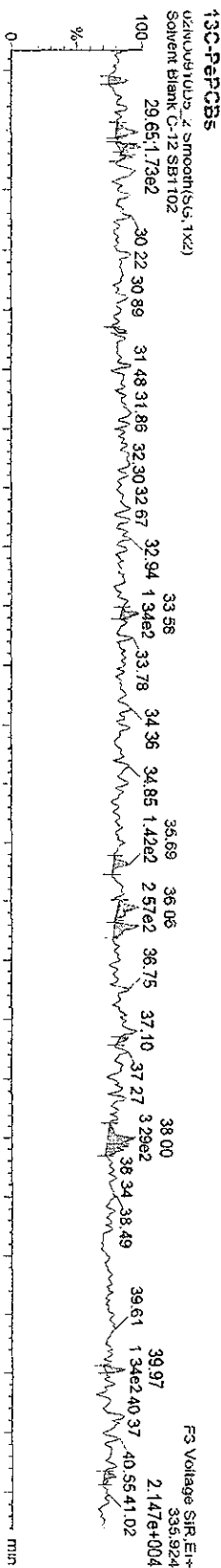
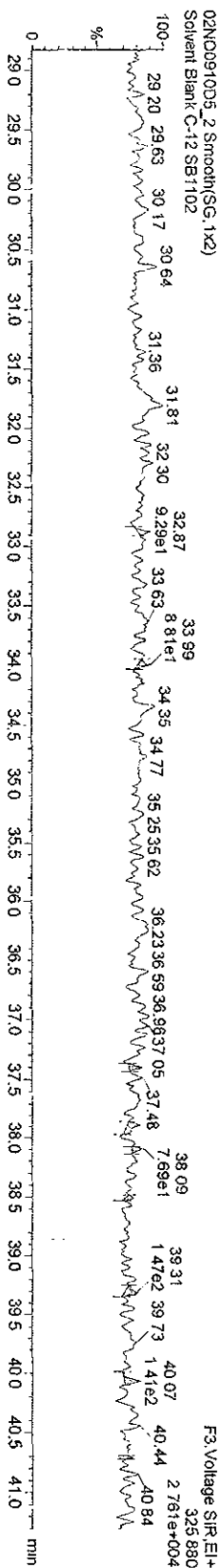
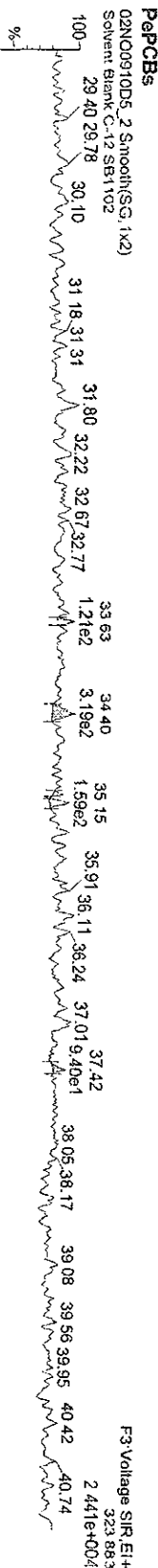
303.960

2.092e+004

Dataset C:\MassLynx\Default\pro02\NO0910D51668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_2, Date: 02-Nov-2009, Time: 09:10:28, ID: SB1102, Description: Solvent Blank C-12

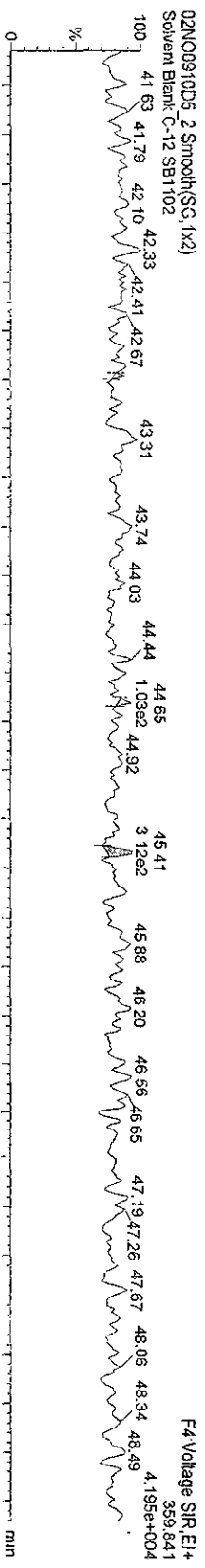


Dataset: C:\Masslynx\Default\proj\02NO0910D51668MSL.qld

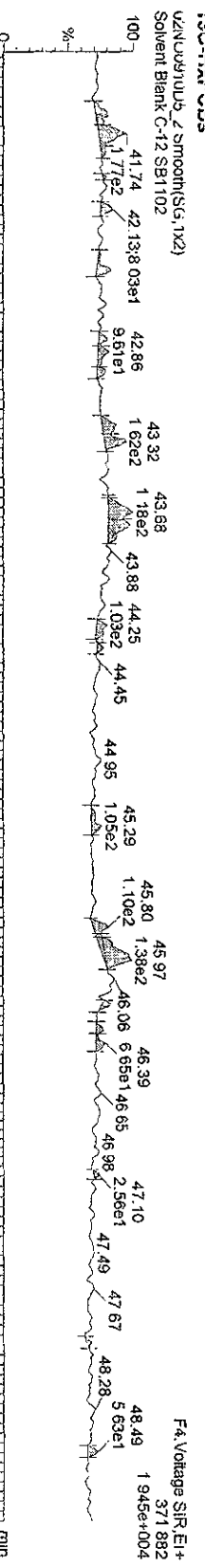
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_2, Date: 02-Nov-2009, Time: 09:10:28, ID: SB1102, Description: Solvent Blank C-12

HxPCBs-



13C-HxPCBs



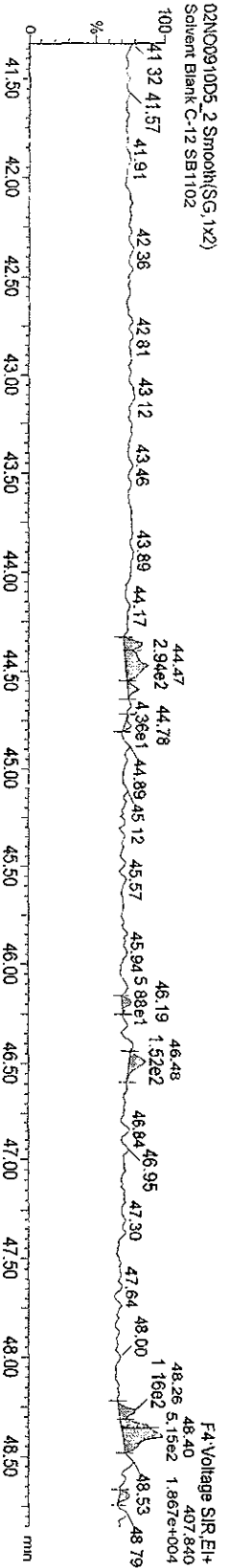
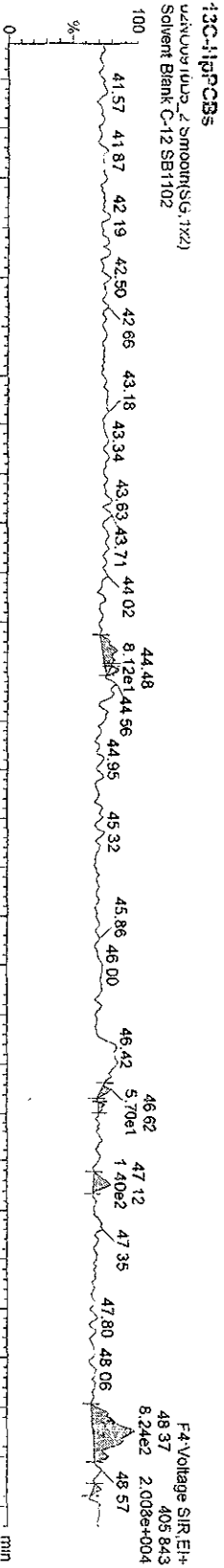
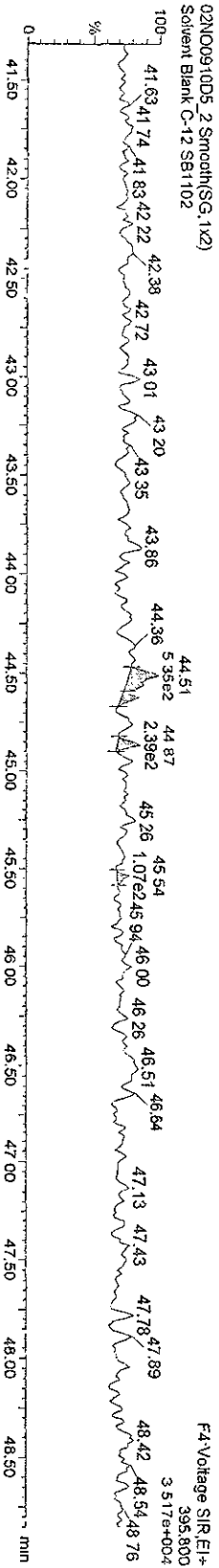
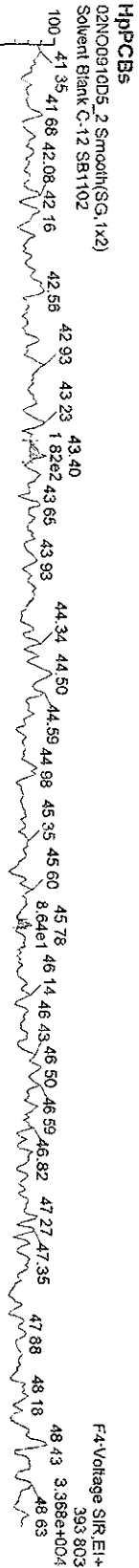
02NO0910D5\_2 Smooth(SG, 1x2)



Dataset C:\Masslynx\Default pro\02NO0910D5\1668MSL.qld

Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02NO0910D5\_2, Date: 02-Nov-2009, Time: 09:10:28, ID: SB1102, Description: Solvent Blank C-12





Dataset: C:\Masslynx\Default\pro02\NO0910D51668\SL.qtd

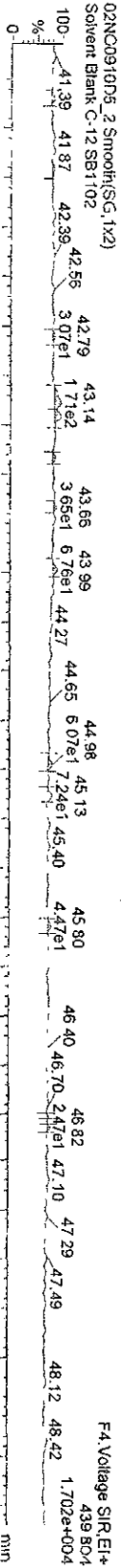
Last Altered: Monday, November 02, 2009 2:31:32 PM Pacific Standard Time  
 Printed: Monday, November 02, 2009 2:34:52 PM Pacific Standard Time

Name: 02N00910D5\_2, Date: 02-Nov-2009, Time: 09:10:28, ID: SB1102, Description: Solvent Blank C-12

13C-OCGB-202

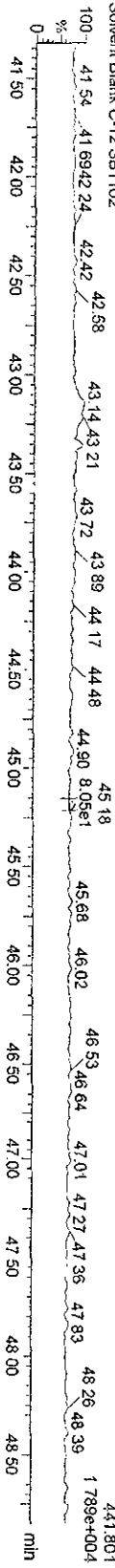
02N00910D5\_2 Smooth(SG, 1x2)

Solvent Blank C-12 SB1102



02N00910D5\_2 Smooth(SG, 1x2)

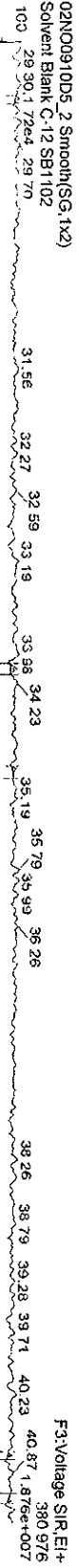
Solvent Blank C-12 SB1102



Function 3 PFK

02N00910D5\_2 Smooth(SG, 1x2)

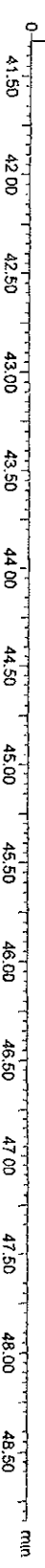
Solvent Blank C-12 SB1102



Function 4 PFK

02N00910D5\_2 Smooth(SG, 1x2)

Solvent Blank C-12 SB1102



Method ID 1668M

Associated ICA# ICA071620091668MSL

Column ID DB-5

Instrument ID 16DS

STD ID ST1102B

STD Solution 09DXN207

Analyzed by SMA

Date Analyzed 11-02-09

Std. Pkg. By SMA

Date Std. Pkg. Assembled 11-03-09

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 11/3/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limit?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits? **	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_

\* Method 1668A (PCBs): ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ± 50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit, this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit

Method 1614 (DBDs/DBFs): ± 30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ± 30%).

\*\* Method 1668A (PCBs): resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution)

Method 1614 (DBDs/DBFs): a valley less than 4% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Dataset: C:\MassLynx\Default.pro\02NO09A\_10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

Printed: Tuesday, November 03, 2009 06:53:30 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1668MSL10DB5.mdb 02 Nov 2009 06:49:13

Calibration: C:\MassLynx\Default.PRO\CurveDE\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 02NO09A10D5\_2, Date: 02-Nov-2009, Time: 17:02:23, ID: ST1102B, Description: CS-3 09DXN207

#	Name	Response	RT	RRF	RRF	pg	%Dev	%Rec	Ratio	Ratio Flag	Mod.D.
1	13C-PeCB-101	906891	31.80	1.00000	1.00000	100.00	0.0	100.0	0.636	NO	
2											
3	13C-TeCB-81	1029175	33.69	1.03934	1.13484	109.14	9.1	109.1	0.796	NO	
4	TeCB-81	823049	33.71	1.45839	1.59943	54.84	9.7	109.7	0.775	NO	
5	13C-TeCB-77	1062043	34.38	1.10430	1.17108	106.05	6.0	106.0	0.798	NO	
6	TeCB-77	734327	34.40	1.27031	1.38286	54.42	8.8	108.8	0.771	NO	
7											
8	13C-PeCB-123	860669	36.06	0.99324	0.94903	95.55	-4.5	95.5	0.623	NO	
9	PeCB-123	704098	36.08	1.50539	1.63616	54.34	8.7	108.7	0.613	NO	
10	13C-PeCB-118	873409	36.23	1.02407	0.96308	94.04	-6.0	94.0	0.629	NO	
11	PeCB-118/106	704268	36.24	1.52536	1.61269	52.86	5.7	105.7	0.612	NO	
12	13C-PeCB-114	875906	37.01	1.03601	0.96583	93.15	-6.9	93.1	0.625	NO	
13	PeCB-114	737231	37.03	1.58603	1.68336	53.07	6.1	106.1	0.619	NO	
14	13C-PeCB-105	758060	38.07	0.98111	0.83589	85.16	-14.8	85.2	0.641	NO	
15	PeCB-105/127	579474	38.09	1.43326	1.52883	53.33	6.7	106.7	0.610	NO	
16	13C-PeCB-126	1079662	40.37	1.02909	1.19051	115.58	15.6	115.6	0.628	NO	
17	PeCB-126	662292	40.40	1.15502	1.22685	53.07	6.1	106.1	0.615	NO	
18											
19	13C-OcCB-202	1107166	43.18	1.00000	1.00000	100.00	0.0	100.0	0.899	NO	
20											
21	13C-HxCB-167	1231976	41.74	1.00247	1.11273	111.00	11.0	111.0	1.291	NO	
22	HxCB-167	905030	41.77	1.34716	1.46923	54.50	9.0	109.0	1.263	NO	
23	13C-HxCB-156	1010201	43.32	0.78510	0.91242	116.22	16.2	116.2	1.297	NO	
24	HxCB-156	877542	43.34	1.68910	1.73736	51.45	2.9	102.9	1.253	NO	
25	13C-HxCB-157	1081671	43.71	0.83526	0.97697	116.97	17.0	117.0	1.275	NO	
26	HxCB-157	907452	43.72	1.65905	1.67787	50.55	1.1	101.1	1.260	NO	
27	13C-HxCB-169	1223146	45.92	0.87128	1.10475	126.80	26.8	126.8	1.262	NO	
28	HxCB-169	677922	45.94	1.09852	1.10849	50.46	0.9	100.9	1.252	NO	
29											
30	13C-HpCB-180	880820	44.48	0.68403	0.79556	116.31	16.3	116.3	1.053	NO	
31	HpCB-180	571913	44.51	1.30035	1.29859	49.93	-0.1	99.9	1.018	NO	
32	13C-HpCB-170	724229	46.50	0.54773	0.65413	119.42	19.4	119.4	1.052	NO	
33	HpCB-170	603582	46.51	1.61501	1.66683	51.60	3.2	103.2	1.033	NO	
34	13C-HpCB-189	998302	48.37	0.69767	0.90167	129.24	29.2	129.2	1.045	NO	
35	HpCB-189	615761	48.40	1.23073	1.23362	50.12	0.2	100.2	1.033	NO	
36											
37	13C-PeCB-111	1251374	33.56	1.30475	1.40676	107.82	7.8	107.8	0.622	NO	
38											
39	Function 3 PFK										
40	Function 4 PFK										

File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size	Unit	FV_ut
1 O2NO09A10D5_1	CS-3 09DXN207	ST1102A	1668/Waste	5	1.000000	---	---
2 O2NO09A10D5_2	CS-3 09DXN207	ST1102B	---	---	1.000000	---	---
3 O2NO09A10D5_3	Solvent Blank C-12	SB1102A	---	---	1.000000	---	---
4 O2NO09A10D5_4	G9I290159-6 RI	LLM8X-1-AC	1668/Solid	5	5.000000	g	50
5 O2NO09A10D5_5	G9J280227-6 RI	LINE02-1-AA	1668/Solid	5	5.850000	g	20
6 O2NO09A10D5_6	G9J280227-7 RI	LINE1C-1-AC	1668/Solid	---	10.570000	g	20
7 O2NO09A10D5_7	F9I250217-7	LLHGM-1-CC	1668/Solid	---	10.200000	g	20
8 O2NO09A10D5_8	F9I250217-7MS	LLHGM-1-FDS	1668/Solid	---	10.075000	g	20
9 O2NO09A10D5_9	F9I250217-7SD	LLHGM-1-FED	1668/Solid	---	10.130000	g	20
10 O2NO09A10D5_10	F9I250217-9	LLHGX-1-CC	1668/Solid	---	10.070000	g	20
11 O2NO09A10D5_11	G9I280142-1LCS	LML04-1-AC	1668/AIR	89	0.333300	Sample	10
12 O2NO09A10D5_12	G9I280142-1MB	LML04-1-AA	1668/AIR	---	0.333300	Sample	10
13 O2NO09A10D5_13	G9I280142-1	LLLXF-1-AD	1668/AIR	---	0.333300	Sample	10
14 O2NO09A10D5_14	G9J050195-1	LL15Q-1-AD	1668/AIR	89	0.333300	Sample	10
15 O2NO09A10D5_15	Solvent Blank C-12	SB1102B	---	---	1.000000	---	---
16 O2NO09A10D5_16	CS-3 09DXN207	ST1102C	---	---	1.000000	---	---
17 O2NO09A10D5_17	Solvent Blank C-12	SB1102C	---	---	1.000000	---	---
18 O2NO09A10D5_18	G9J300165-1MB	LNJ01-1-AA	1668/Waste	5	0.100000	g	20
19 O2NO09A10D5_19	G9J300165-1LCS	LNJ01-1-AC	1668/Waste	---	0.100000	g	20
20 O2NO09A10D5_20	G9J300165-1	LNJX5-1-AC	1668/Waste	---	0.101000	g	20
21 O2NO09A10D5_21	G9J300167-1	LNG0F-1-AC	1668/Waste	5	0.106000	g	20
22 O2NO09A10D5_22	G9J300167-2	LNG0H-1-AC	1668/Waste	---	0.104000	g	20
23 O2NO09A10D5_23	Solvent Blank C-12	SB1102D	---	---	1.000000	---	---

*log file vtd  
 1-20 OK  
 11/2/09 vds*

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Samples\02NO09A10D5.SPL  
Last Modified: Monday, November 02, 2009 6:57:18 Pacific Standard Time  
Printed: Monday, November 02, 2009 7:03:35 Pacific Standard Time

Page 2 of 3

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:2	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:3	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:4	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:5	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:6	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:7	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:8	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:10	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:11	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:12	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:13	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:14	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:16	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:17	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:18	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA 11-02-09	1668M10D5	1668M10D5	---	---	---	---

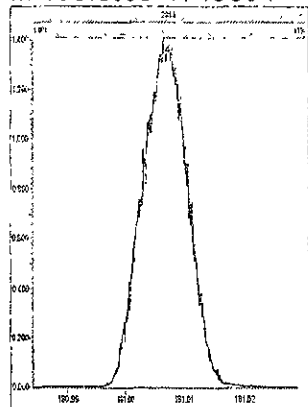
Sample List: C:\MassLynx\Default pro\Samp ledb\02NO09A10D5 SPL  
Last Modified: Monday, November 02, 2009 13:57:18 Pacific Standard Time  
Printed: Monday, November 02, 2009 17:03:35 Pacific Standard Time

Conc E	Conc F	Conc G	Conc H	Task
100	---	---	---	---
100	---	---	---	---
---	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
2000	---	---	---	---
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100	---	---	---	---
---	---	---	---	---
2000	---	---	---	---
---	---	---	---	---
100	---	---	---	---
---	---	---	---	---
2000	---	---	---	---
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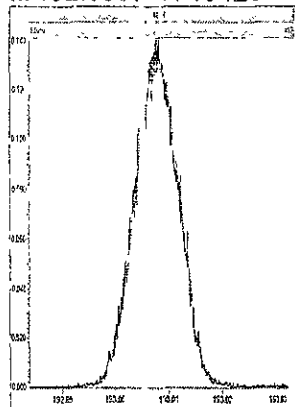
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Printed: Monday, November 02, 2009 15:54:20 Pacific Standard Time

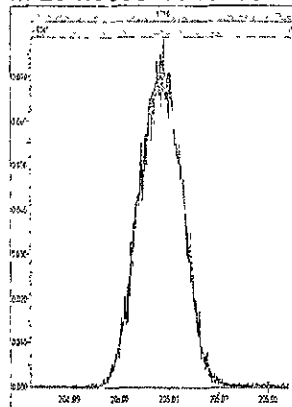
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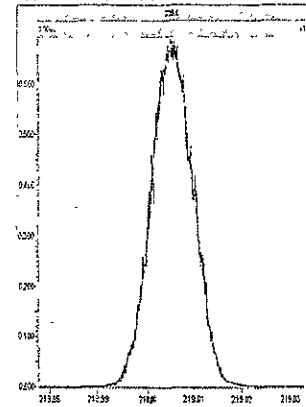
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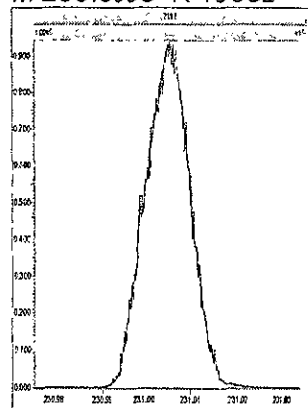
M 204.9888 R 10485



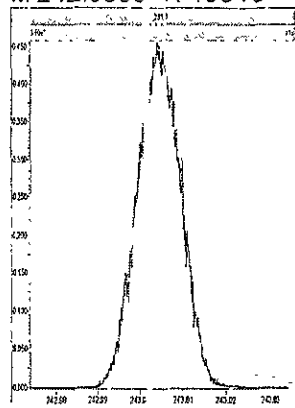
M 218.9856 R 10824



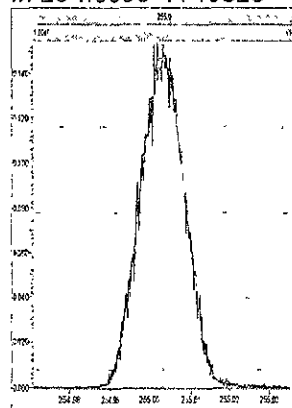
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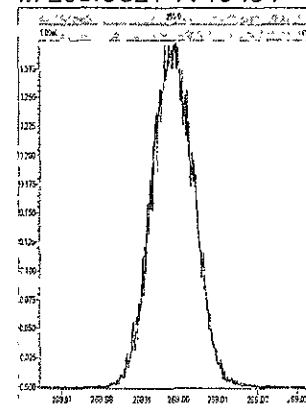
M 242.9856 R 10319



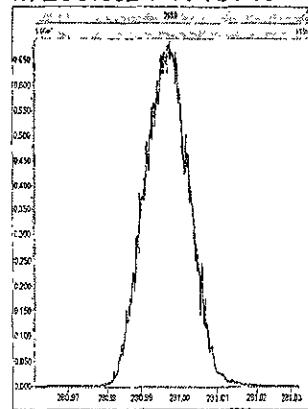
M 254.9856 R 10828



M 268.9824 R 10481



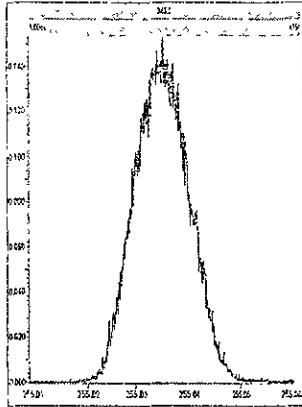
M 280.9824 R 10710



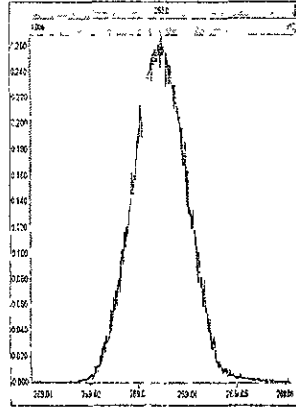
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Printed: Monday, November 02, 2009 15:55:20 Pacific Standard Time

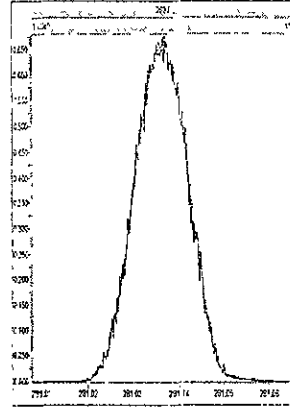
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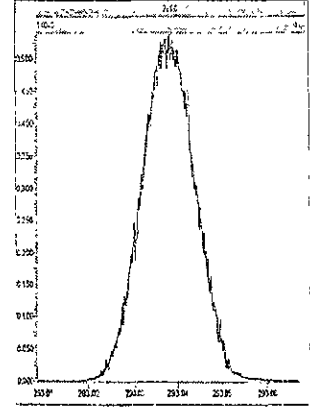
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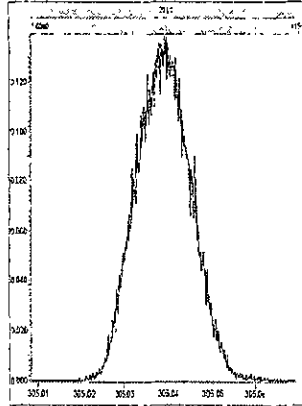
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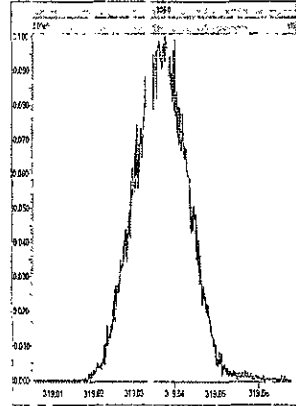
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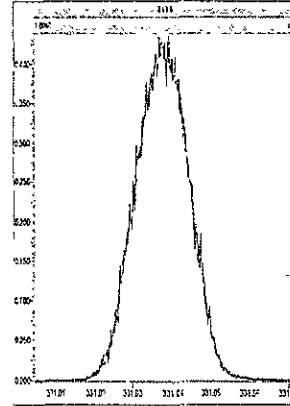
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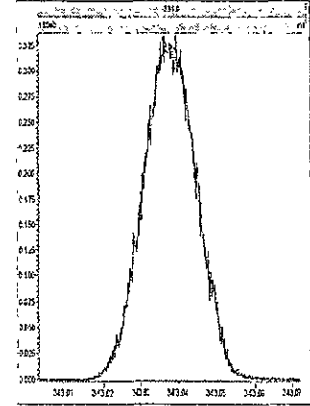
M 318.9792 R 11472



M 330.9792 R 10819



M 342.9792 R 10638

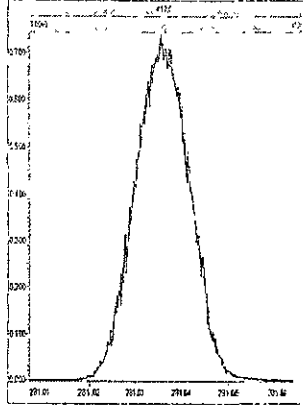




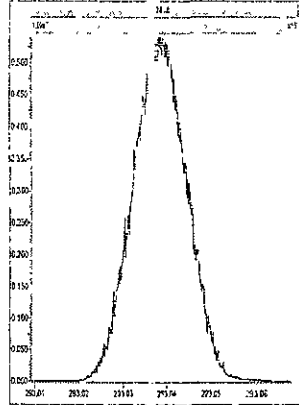
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Printed: Monday, November 02 2009 15:56:28 Pacific Standard Time

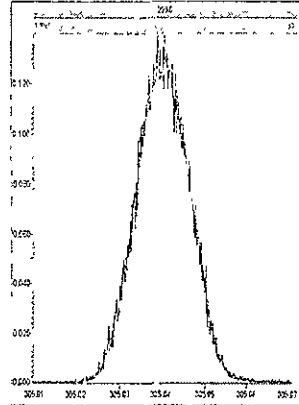
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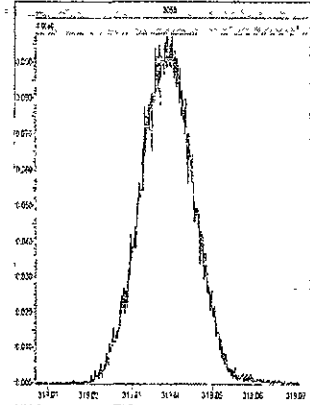
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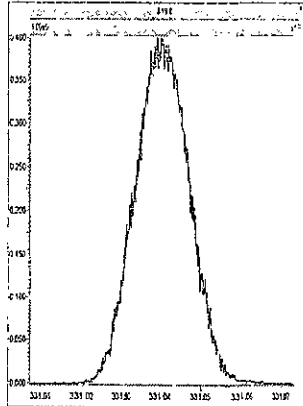
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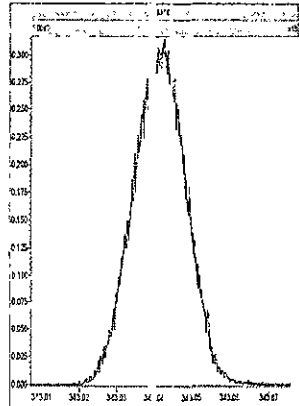
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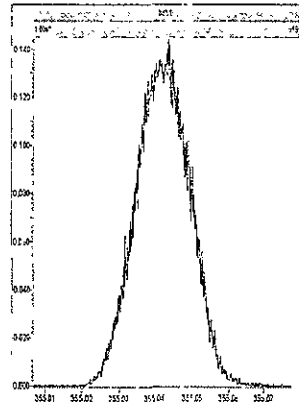
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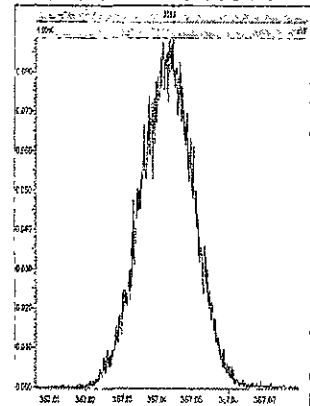
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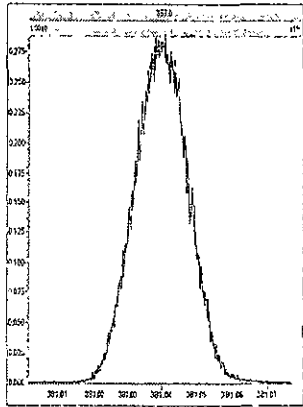
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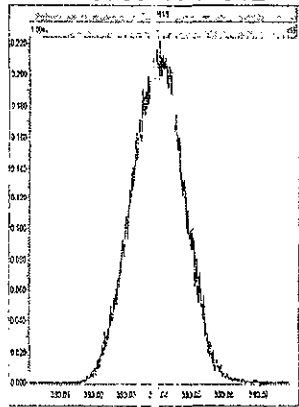
M 366.9792 R 10914



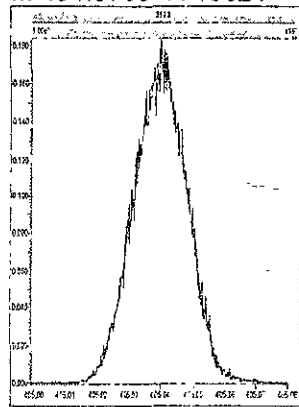
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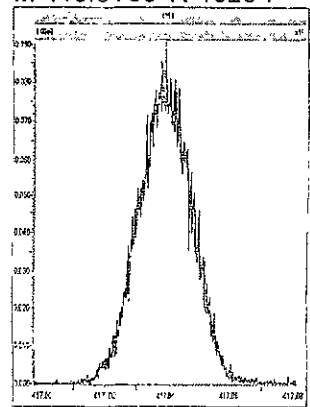
M 392.9760 R 11012



M 404.9760 R 10824



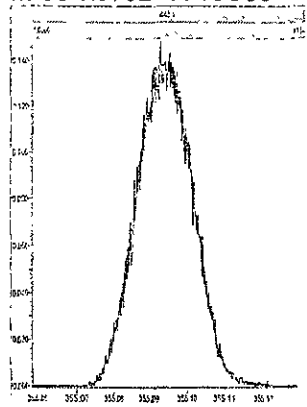
M 416.9760 R 10204



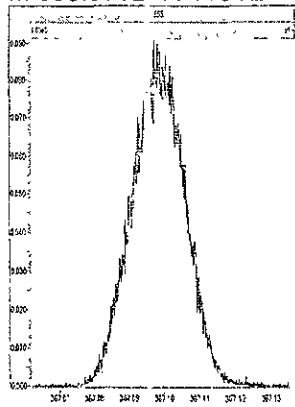
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Printed: Monday, November 02 2009 15:57:24 Pacific Standard Time

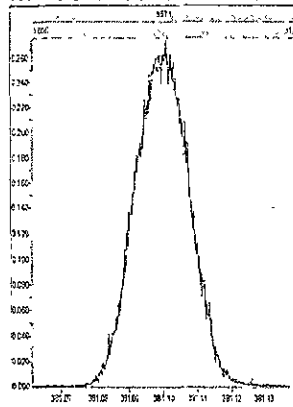
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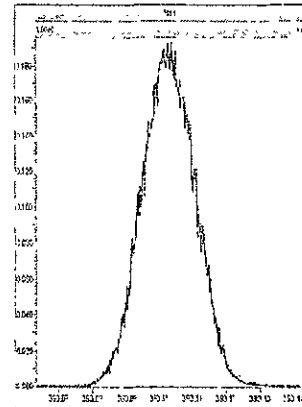
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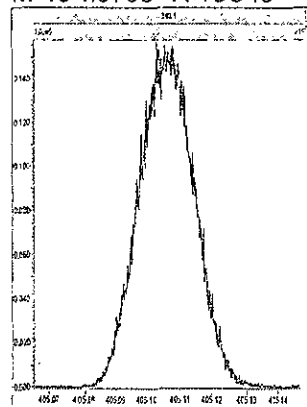
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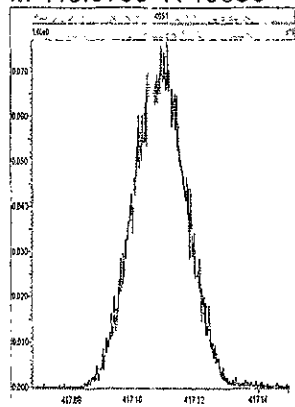
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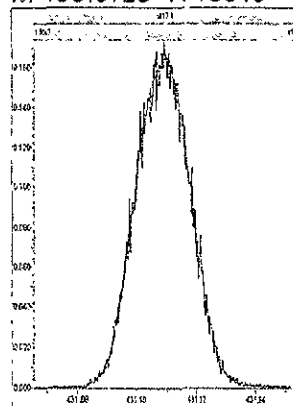
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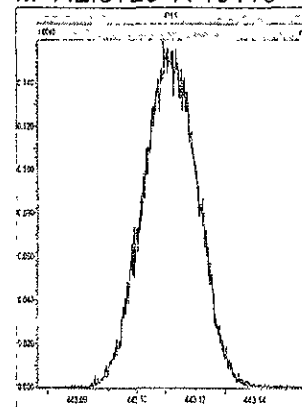
M 416.9760 R 10595



M 430.9728 R 10918



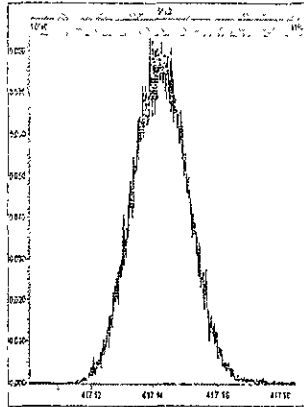
M 442.9728 R 10416



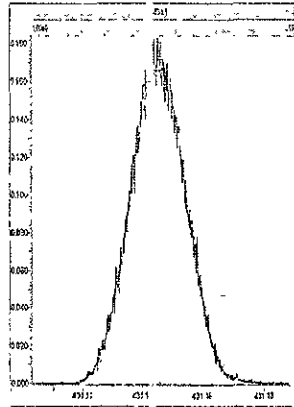
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Printed: Monday, November 02, 2009 15:58:11 Pacific Standard Time

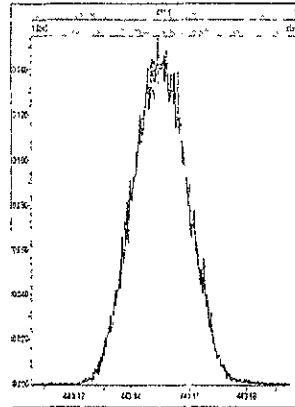
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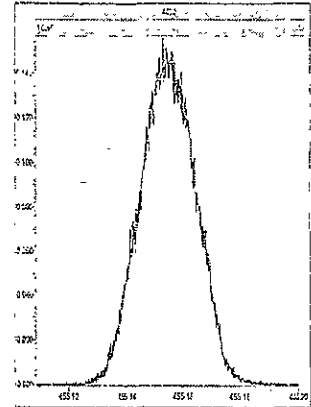
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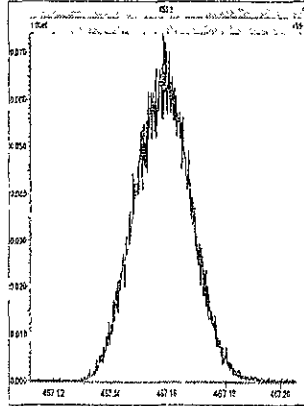
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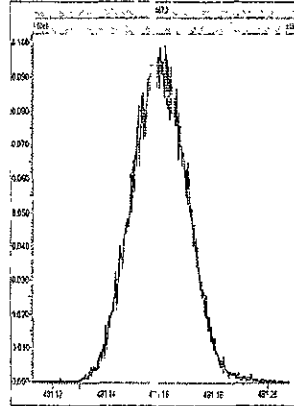
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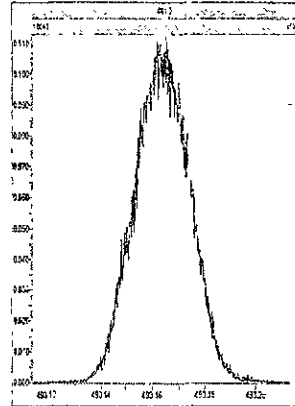
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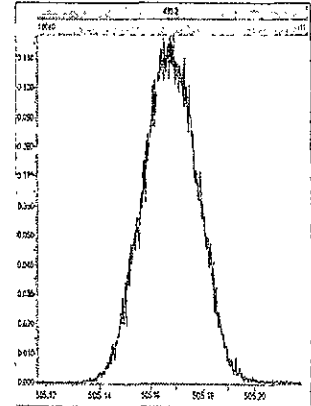
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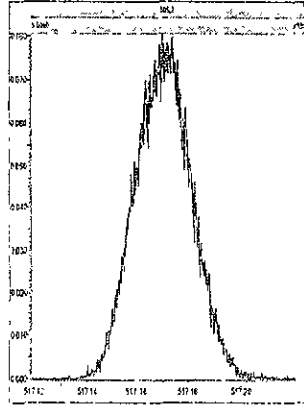
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M 504.9696 R 10079



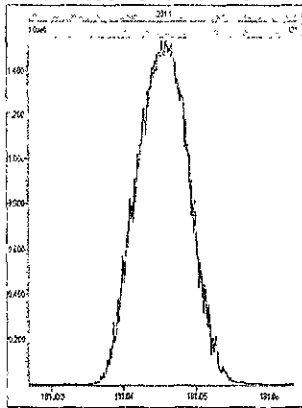
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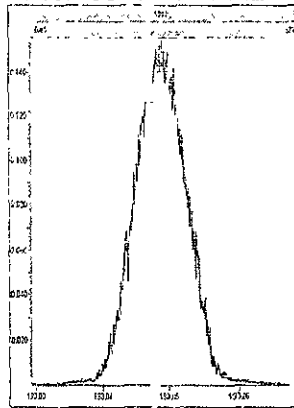
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Printed: Tuesday, November 03, 2009 07:27:05 Pacific Standard Time

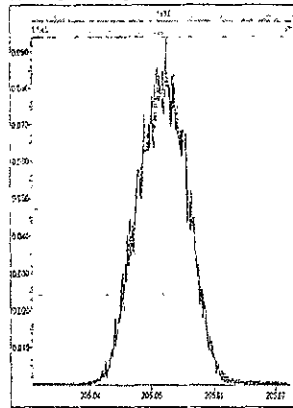
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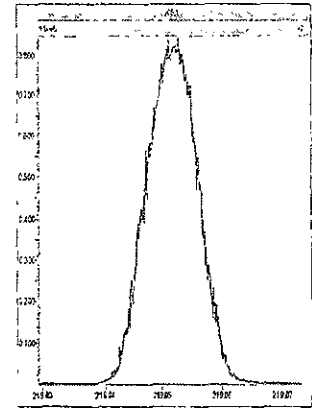
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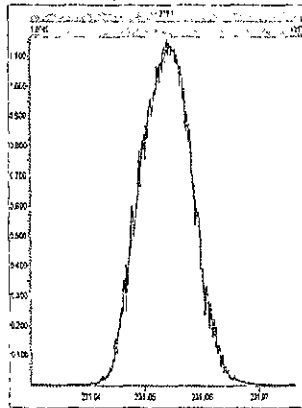
M 204.9888 R 11846



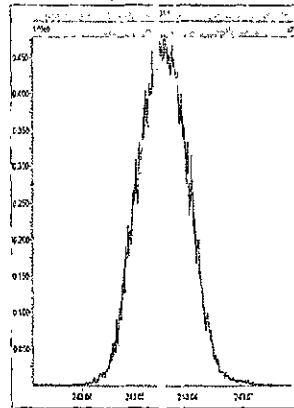
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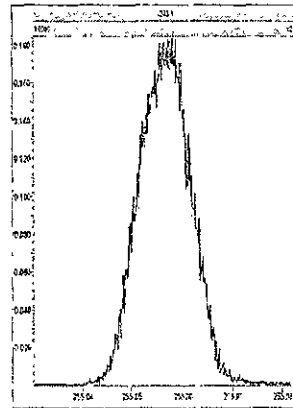
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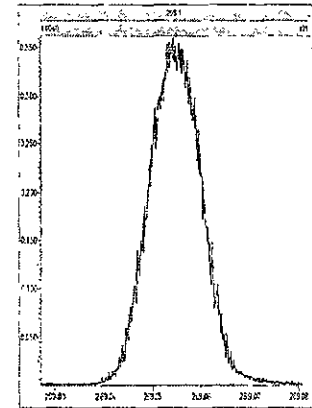
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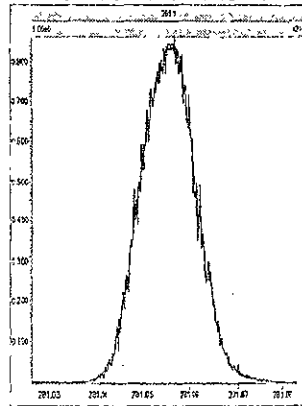
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M 268.9824 R 11212



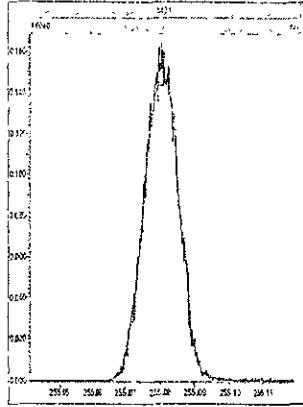
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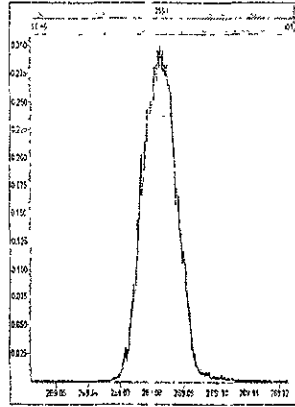
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Printed: Tuesday, November 03, 2009 07:28:04 Pacific Standard Time

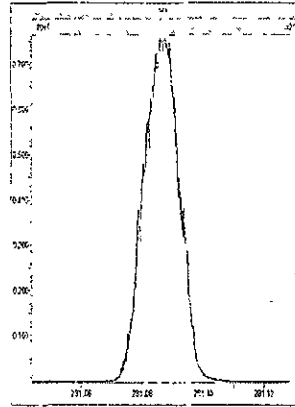
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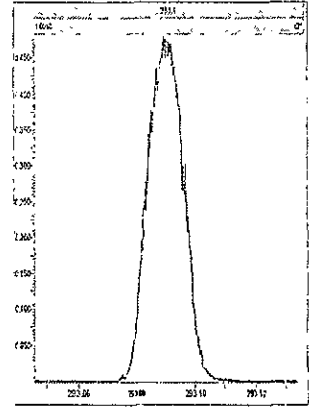
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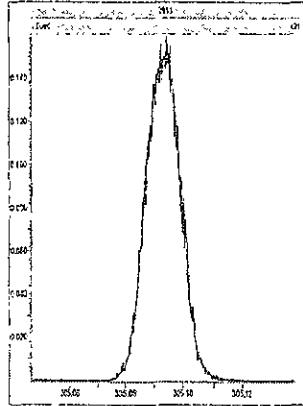
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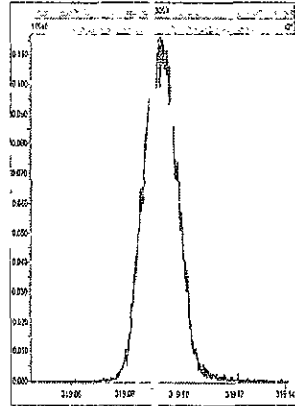
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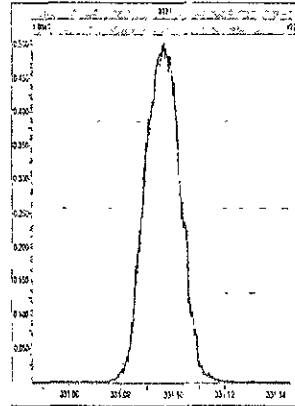
M 304.9824 R 11574



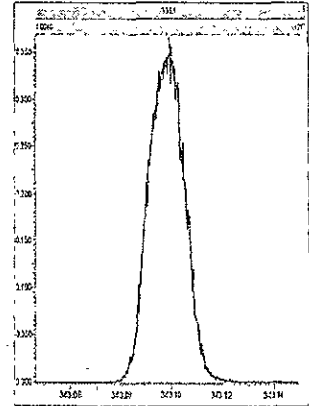
M 318.9792 R 11493



M 330.9792 R 11657



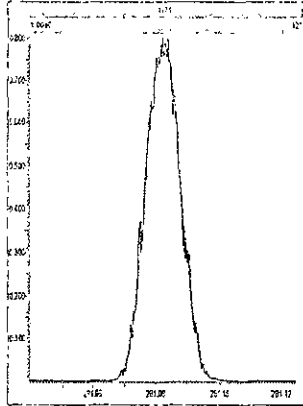
M 342.9792 R 11188



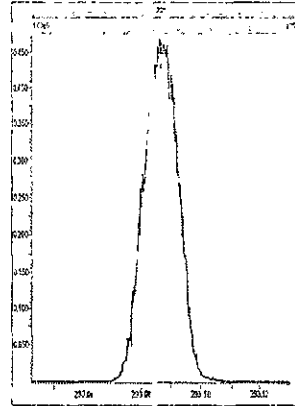
File: Experiment: 1668M10105 exp Reference: pkf ref Function: 3 @ 200 (ppm)

Printed: Tuesday, November 03, 2009 07:28:59 Pacific Standard Time

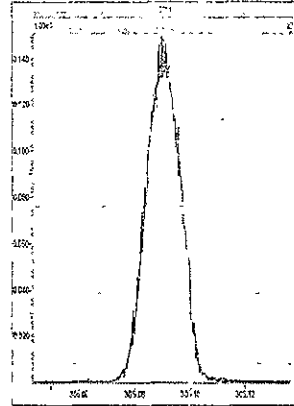
M 280.9824 R 11986



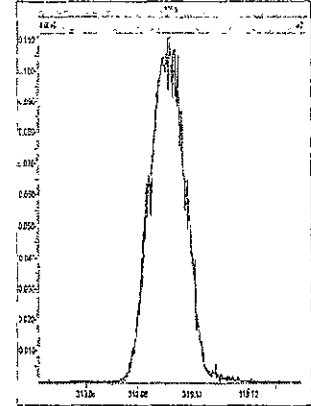
M 292.9824 R 11416



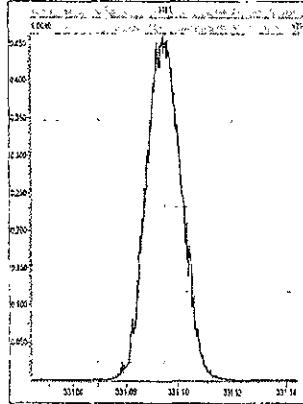
M 304.9824 R 11820



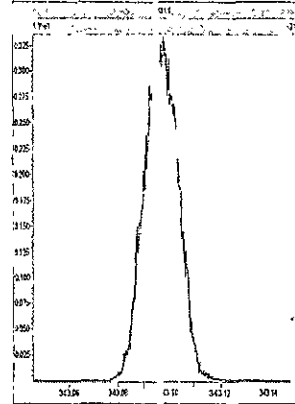
M 318.9792 R 11573



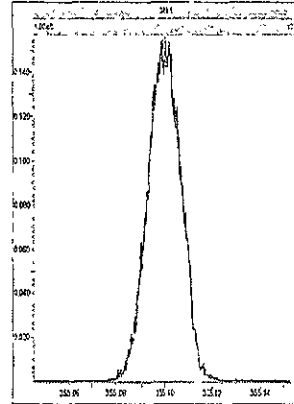
M 330.9792 R 11989



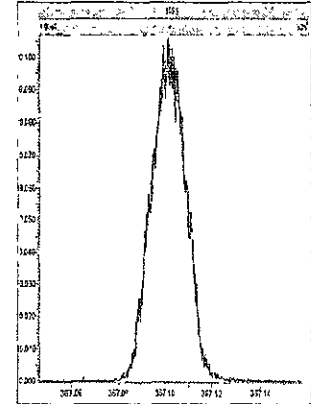
M 342.9792 R 11337



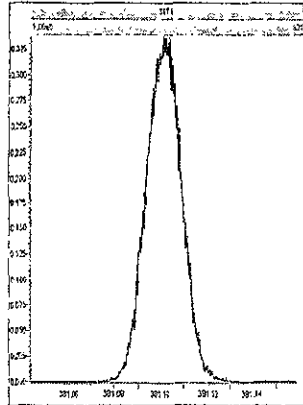
M 354.9792 R 11654



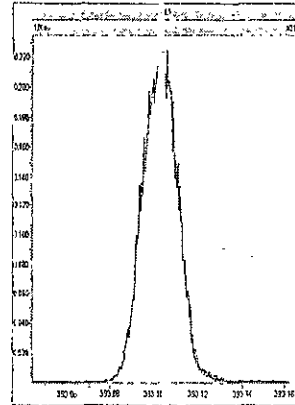
M 366.9792 R 11907



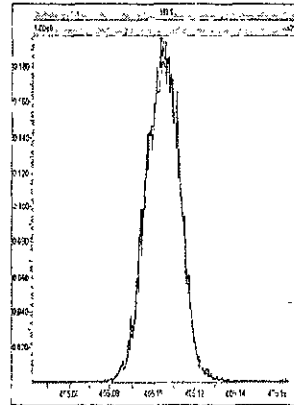
M 380.9760 R 11572



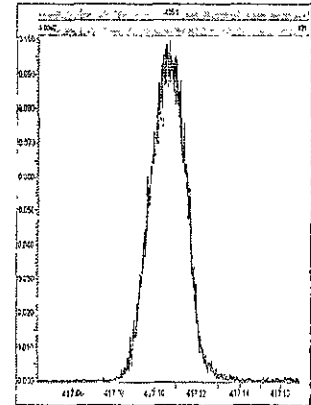
M 392.9760 R 11262



M 404.9760 R 11575



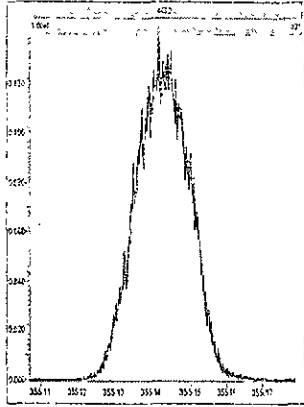
M 416.9760 R 11572



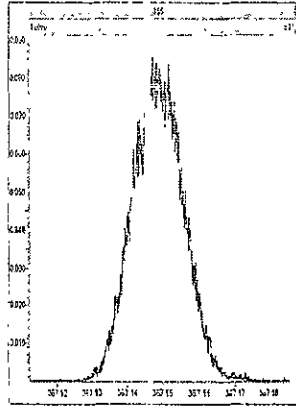
File: Experiment: 1668M10D5 exp Reference: pK.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, November 03, 2009 07:30:08 Pacific Standard Time

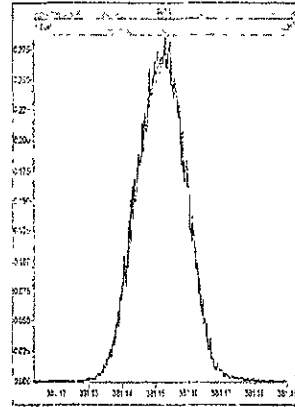
M 354.9792 R 11523



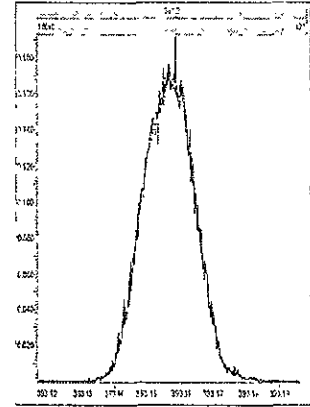
M 366.9792 R 11521



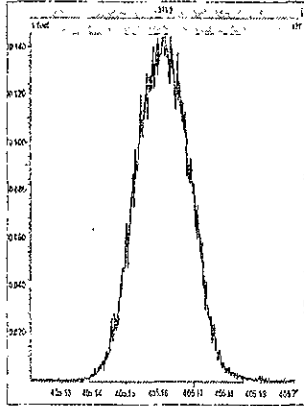
M 380.9760 R 11573



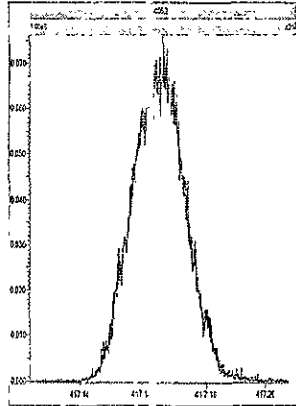
M 392.9760 R 11790



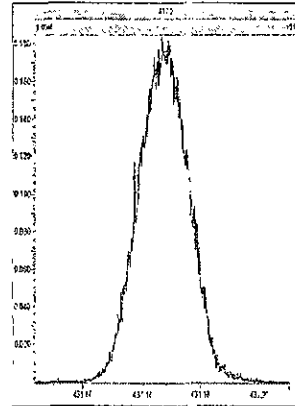
M 404.9760 R 11364



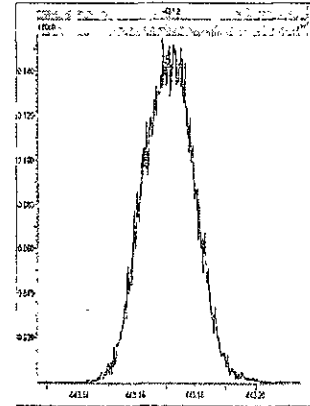
M 416.9760 R 11160



M 430.9728 R 11519



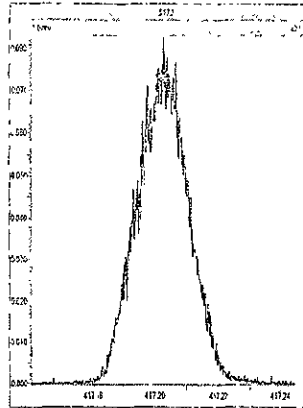
M 442.9728 R 11108



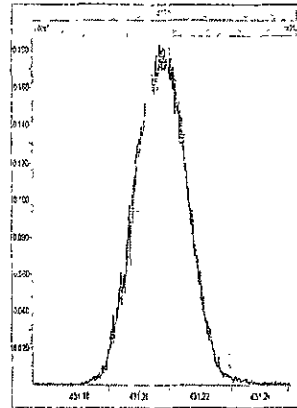
File: Experiment: 1668M10'05.exp Reference: pk ref Function: 5 @ 200 (ppm)

Printed: Tuesday, November 03, 2009 07:31:09 Pacific Standard Time

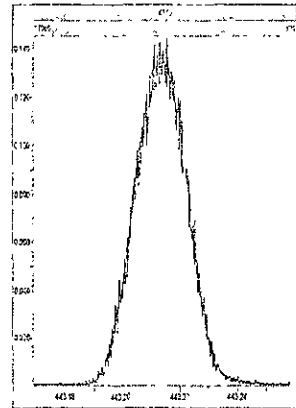
M 416.9760 R 11574



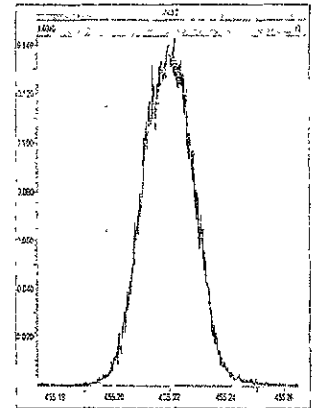
M 430.9728 R 11415



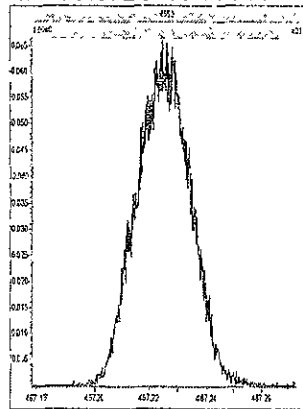
M 442.9728 R 11470



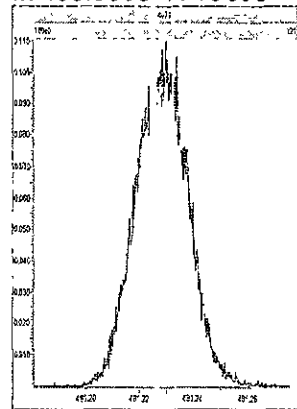
M 454.9728 R 11211



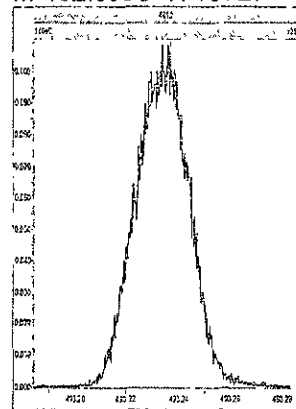
M 466.9728 R 11111



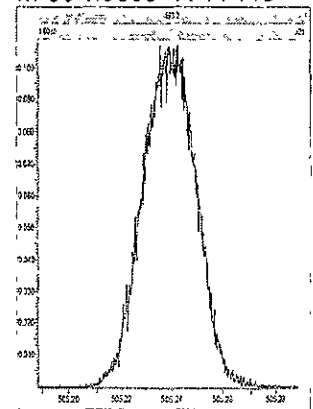
M 480.9696 R 10868



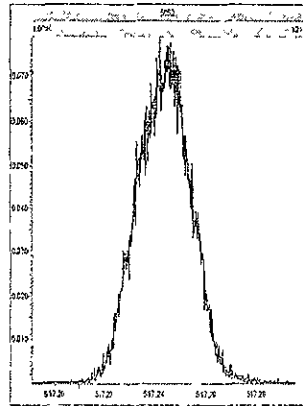
M 492.9696 R 10727



M 504.9696 R 11415



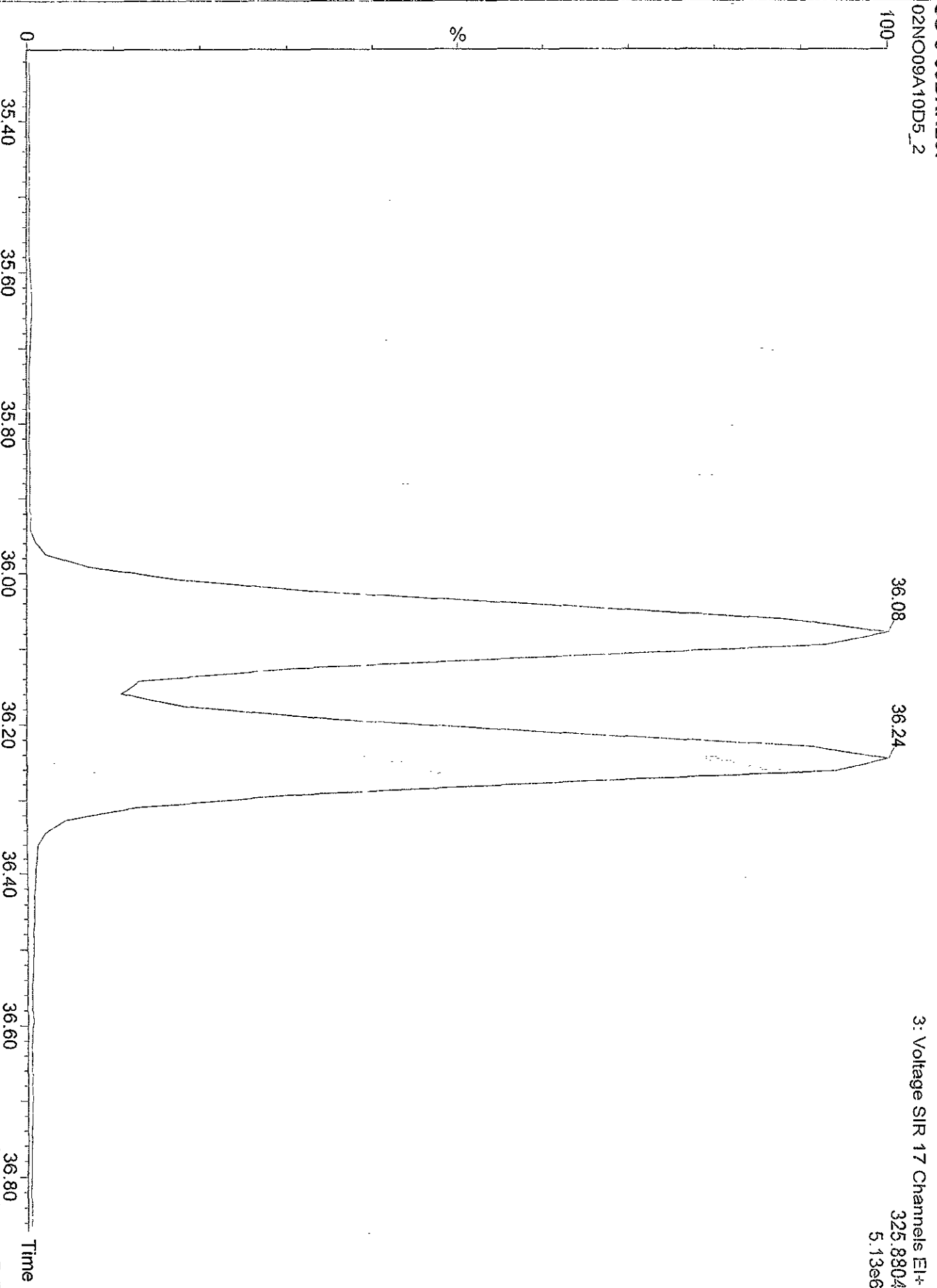
M 516.9697 R 10964





CS-3 09DXN207

02NO09A10D5\_2



36.08

36.24

3: Voltage SIR 17 Channels EI+  
325.8904  
5.13e6

Dataset: C:\MassLynx\Default.pro\02NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

Printed: Tuesday, November 03, 2009 06:57:11 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB1663MSL10DB5.mdb 02 Nov 2009 06:49:13

Calibration: C:\MassLynx\Default.PRO\CurveDE\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C-PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.35608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.34439
36				
37	13C-PeCB-111	1.30475	0.02157	1.55310
38				
39	Function 3 PFK			
40	Function 4 PFK			

Dataset: C:\MassLynx\Default\pro102NO09A10D51668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

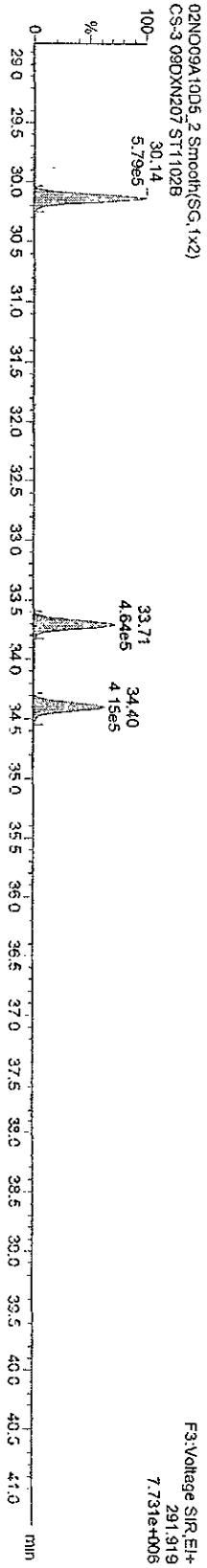
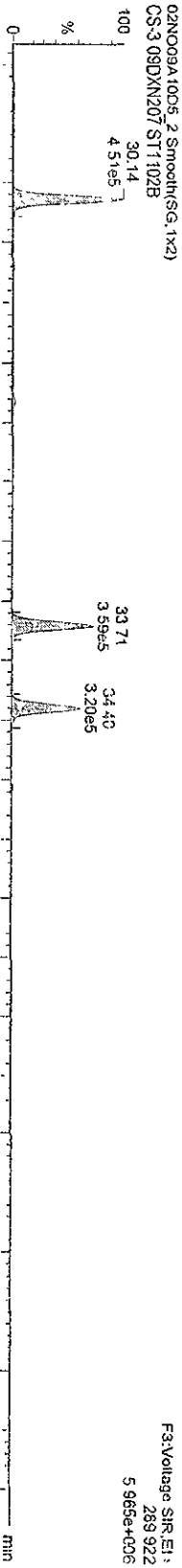
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Method: C:\MassLynx\Default\PROV\Method\B1668MSL10DB5.mdb 02 Nov 2009 06:49:13

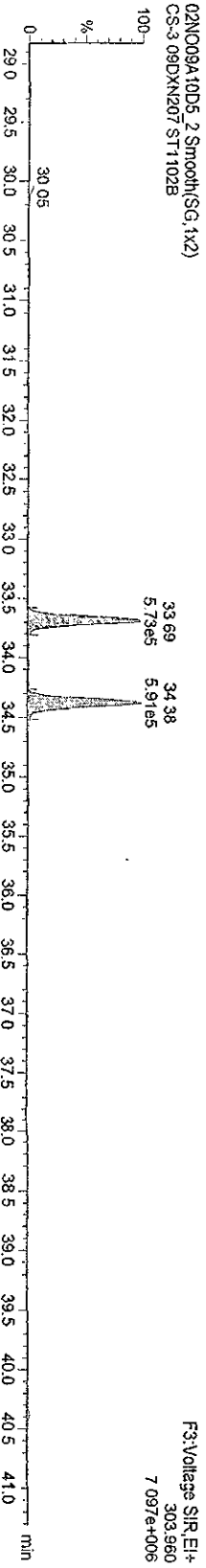
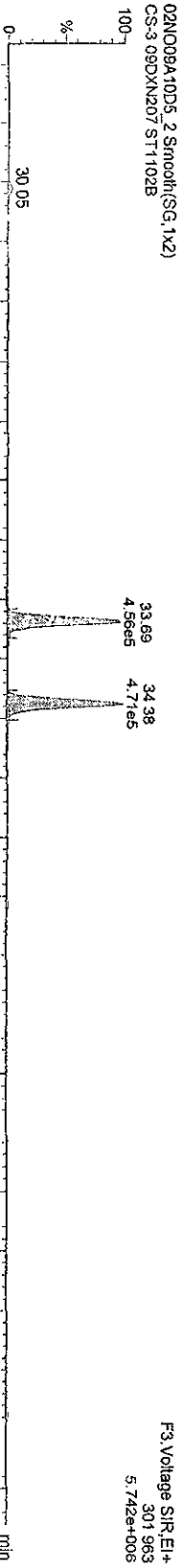
Calibration: C:\MassLynx\Default\PROV\Curve\B1CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 02NO09A10D5\_2, Date: 02-Nov-2009, Time: 17:02:23, ID: ST1102B, Description: CS-3 09DXN207

TetraPCBs



13C-TetrasPCBs

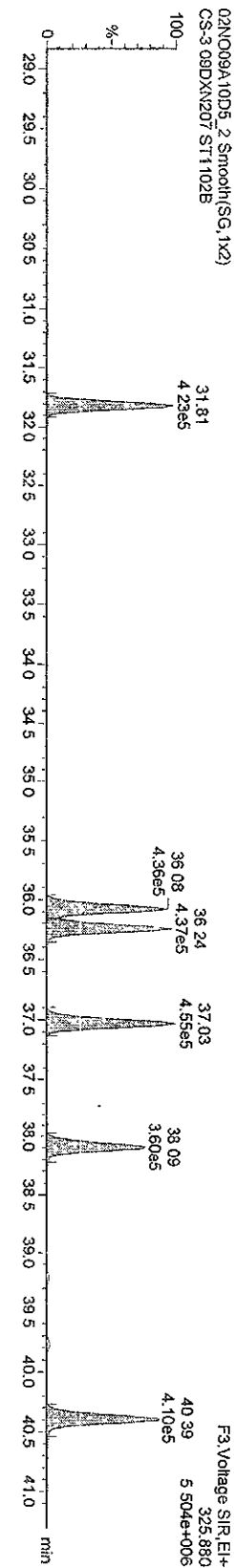
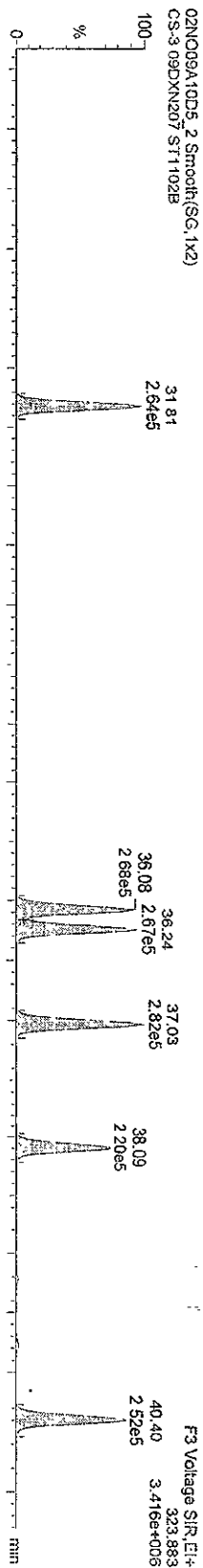


Dataset: C:\MassLynx\Default pro\02NO09A10D51668MSL.qtd

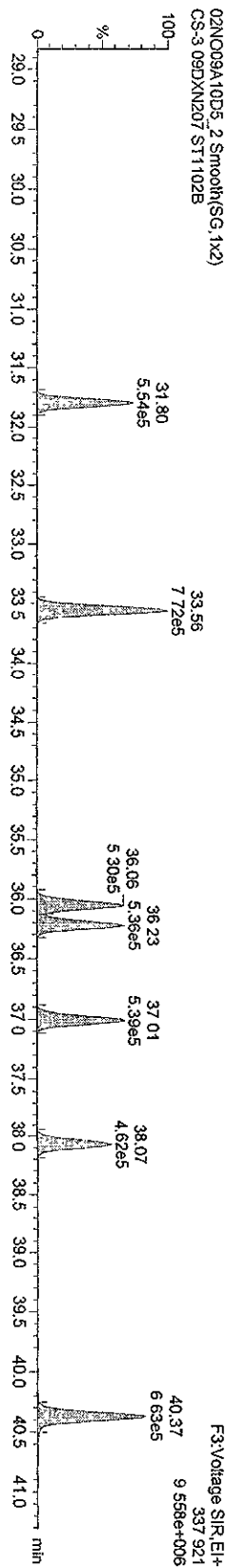
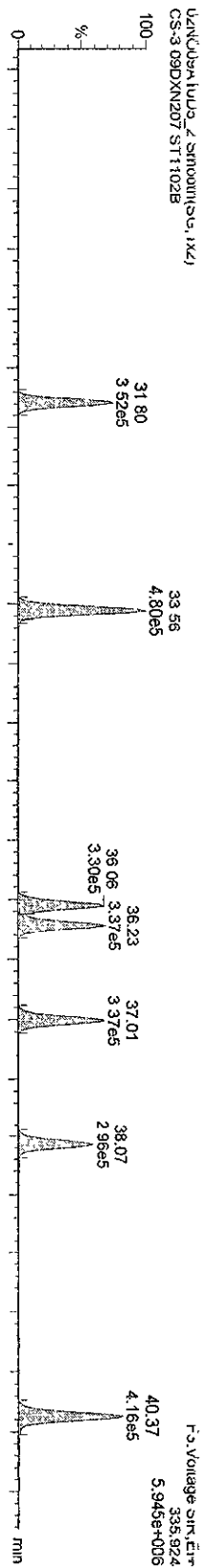
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
 Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_2, Date: 02-Nov-2009, Time: 17:02:23, ID: ST1102B, Description: CS-3 09DXN207

**PePCBs**



**13C-PCBs**



Dataset: C:\MassLynx\Default.pro\02NO09A10D5\1668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

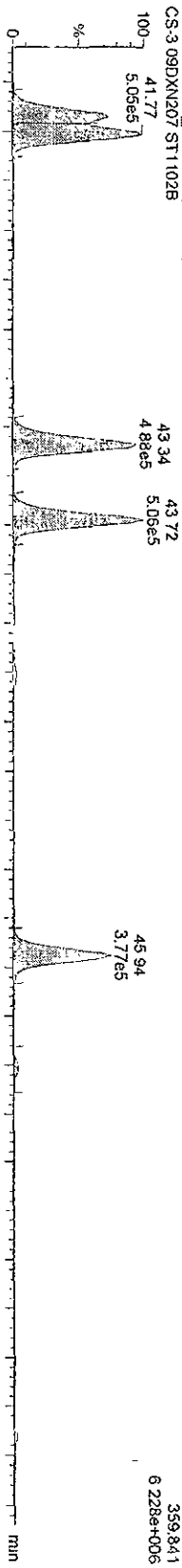
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_2, Date: 02-Nov-2009, Time: 17:02:23, ID: ST1102B, Description: CS-3 09DXN207

HxPCBs-

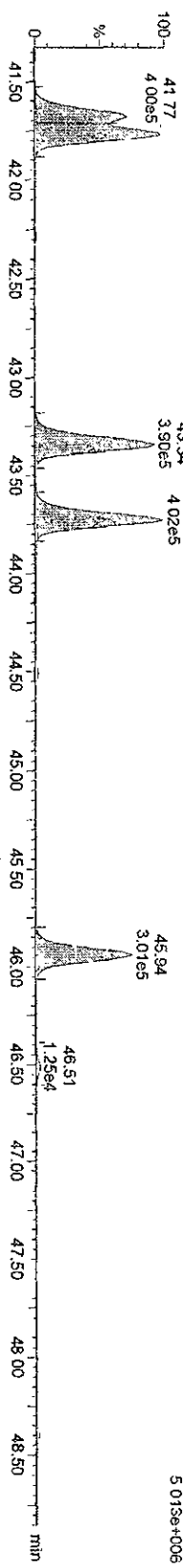
02NO09A10D5\_2.Smooth(SG,1x2)

CS-3 09DXN207 ST1102B



02NO09A10D5\_2.Smooth(SG,1x2)

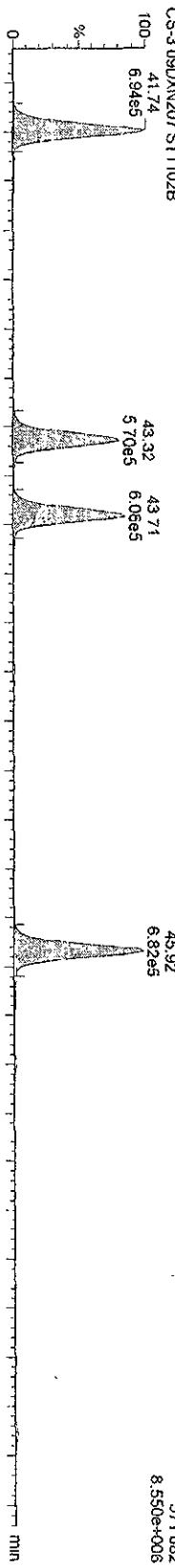
CS-3 09DXN207 ST1102B



13C-HxPCBs

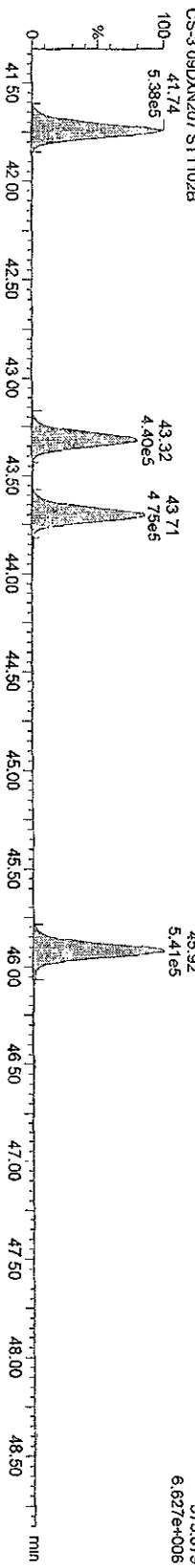
02NO09A10D5\_2.Smooth(SG,1x2)

CS-3 09DXN207 ST1102B



02NO09A10D5\_2.Smooth(SG,1x2)

CS-3 09DXN207 ST1102B



Dataset C:\Masslynx\Default\pro\02NO09A10D51668MSL.qld

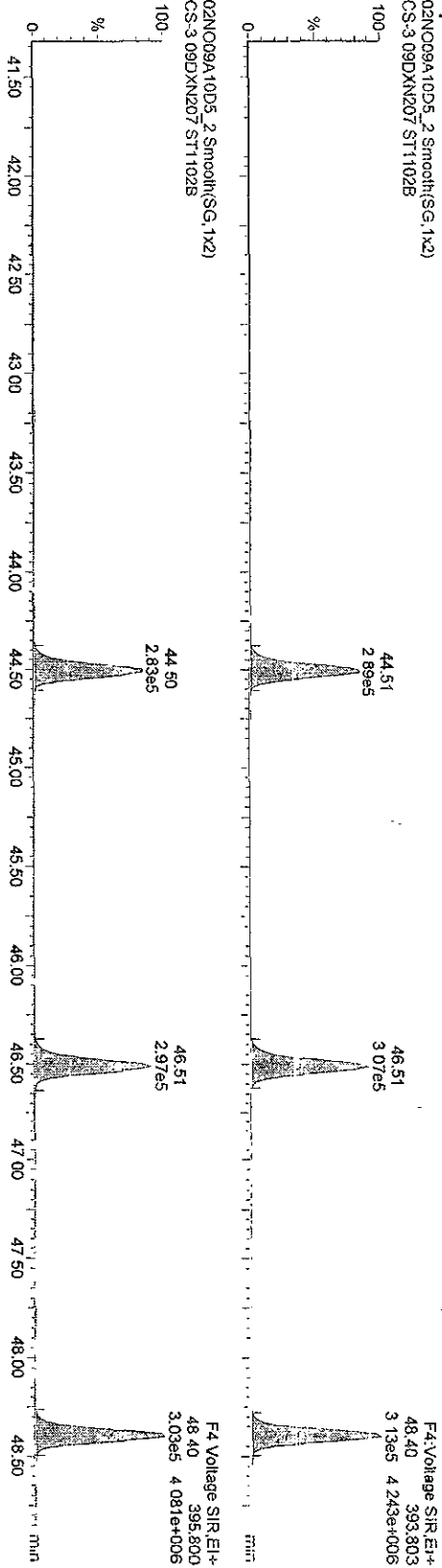
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

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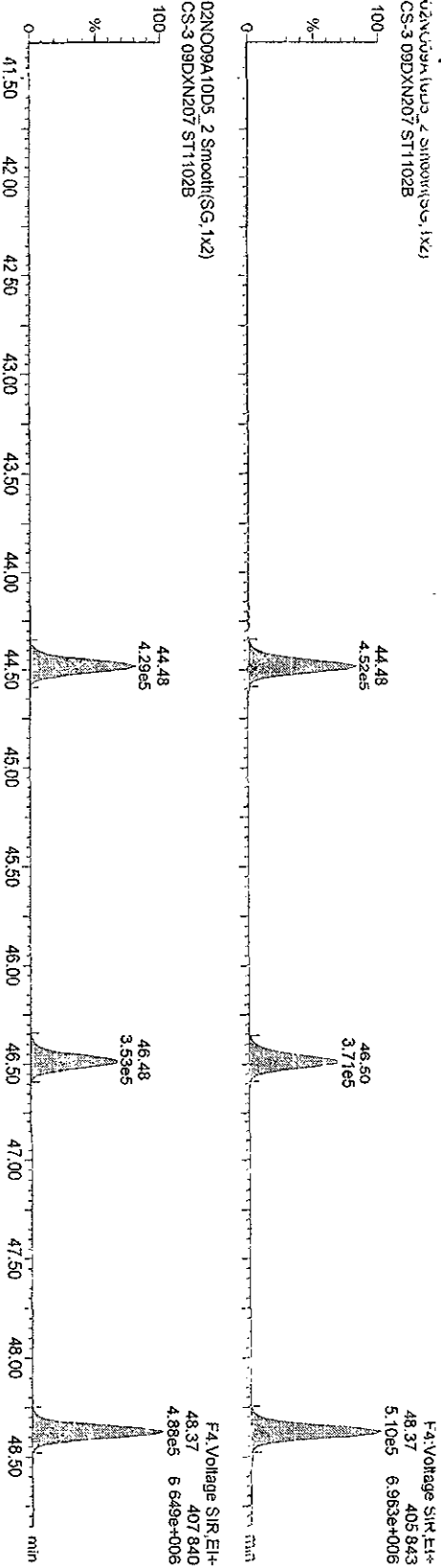
HPPCBs

02NO09A10D5\_2.Smooth(SG,1x2)  
CS-3 09DXN207 ST1102B



13C-HPPCBs

02NO09A10D5\_2.Smooth(SG,1x2)  
CS-3 09DXN207 ST1102B



02NO09A10D5\_2.Smooth(SG,1x2)  
CS-3 09DXN207 ST1102B

F4:Voltage SIR\_EI+  
48.37 407.840  
4.88e5 6.649e+006

F4:Voltage SIR\_EI+  
48.37 405.943  
5.10e5 6.936e+006

F4:Voltage SIR\_EI+  
48.40 395.800  
3.03e5 4.081e+006

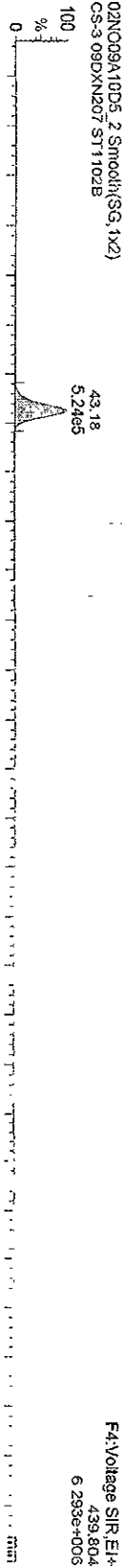
F4:Voltage SIR\_EI+  
48.40 393.803  
3.13e5 4.243e+006

Dataset: C:\Masslynx\Default\proj\02NO09A10D51668MSL.qld

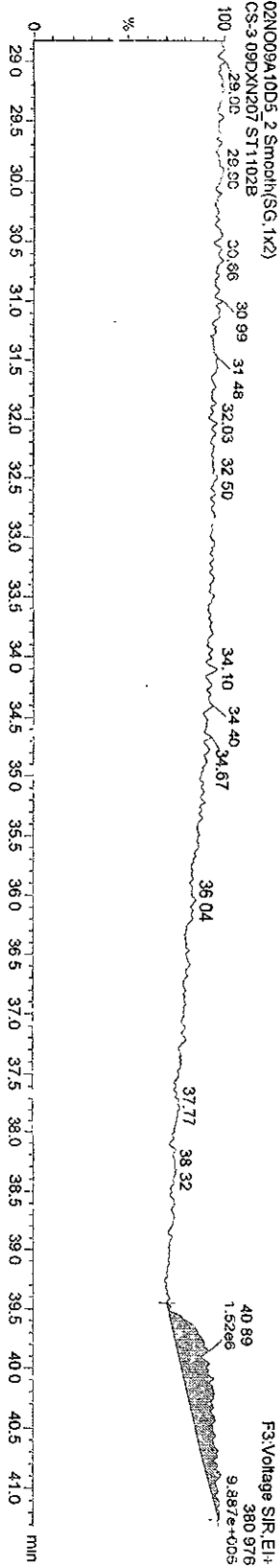
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_2, Date: 02-Nov-2009, Time: 17:02:23, ID: ST1102B, Description: CS-3 09DXN207

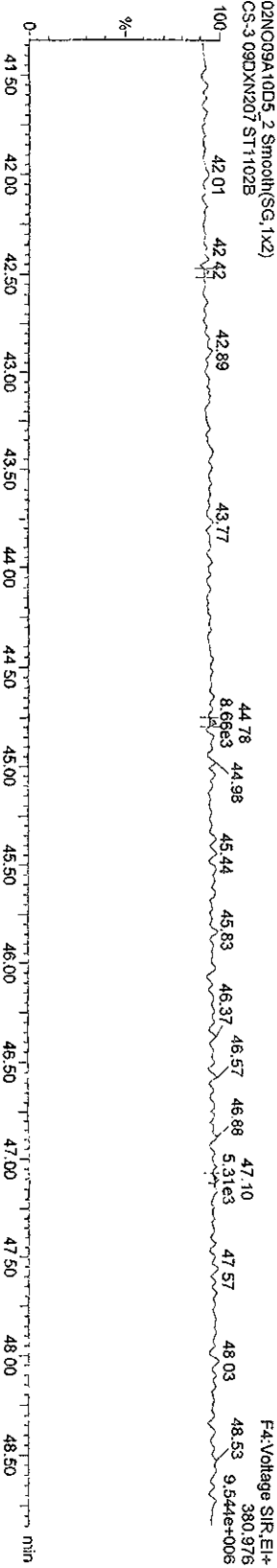
13C-OCcB-202



Function 3 PFK



Function 4 PFK



Dataset: C:\MassLynx\Default\prot02N009A10D51668MSL.qld

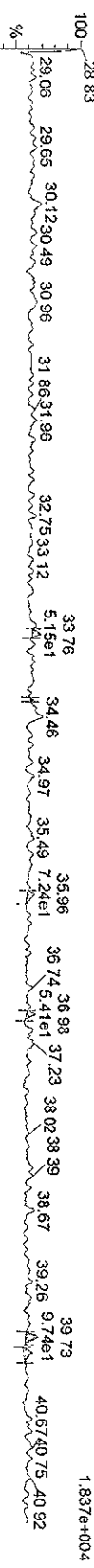
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Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

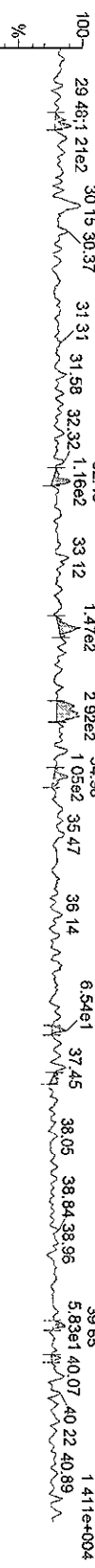
Name: 02N009A10D5\_3, Date: 02-Nov-2009, Time: 18:04:08, ID: SB1102A, Description: Solvent Blank C-12

TetraPCBs

02N009A10D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1102A

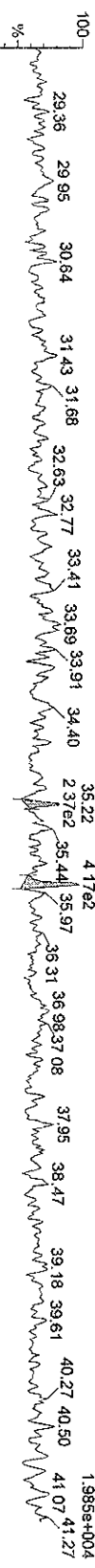


02N009A10D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1102A

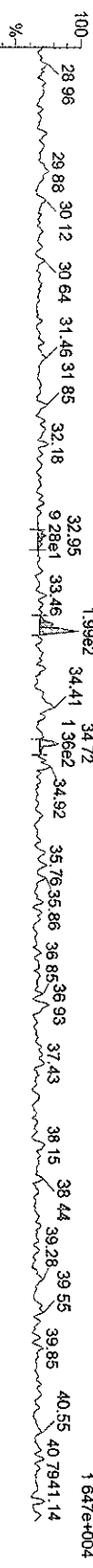


13C-TetraPCBs

02N009A10D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1102A



02N009A10D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1102A





Dataset: C:\MassLynx\Default\pro\02NO09A10D51668MSL.qld

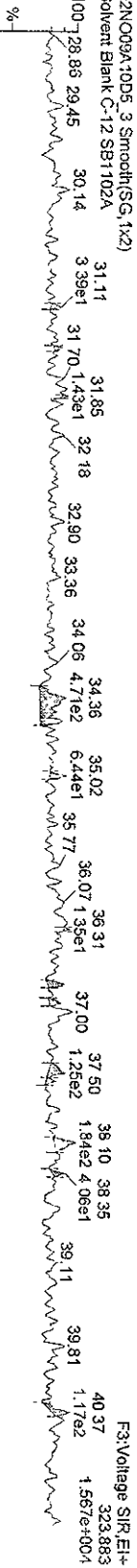
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

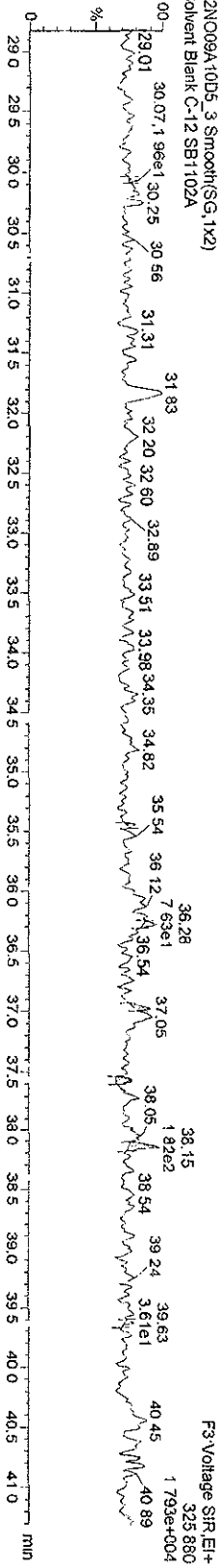
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PeFCBs

02NO09A10D5\_3 Smooth(SG,1x2)  
Solvent Blank C-12 SB1102A

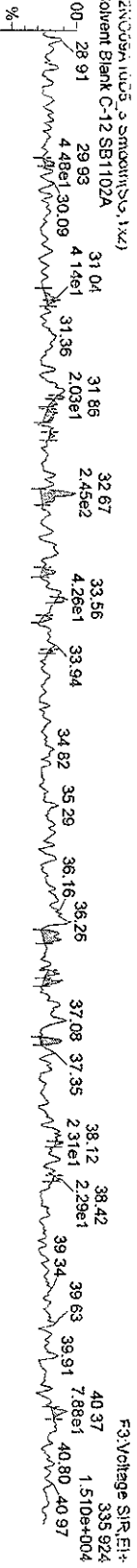


02NO09A10D5\_3 Smooth(SG,1x2)  
Solvent Blank C-12 SB1102A

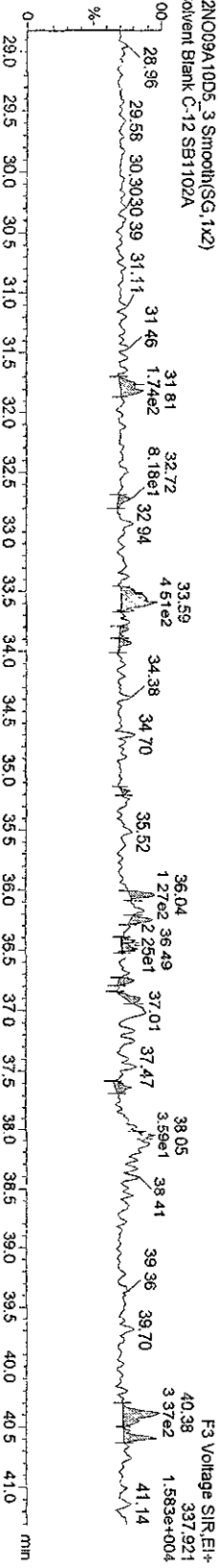


13C-1eFCBs

02NO09A10D5\_3 Smooth(SG,1x2)  
Solvent Blank C-12 SB1102A



02NO09A10D5\_3 Smooth(SG,1x2)  
Solvent Blank C-12 SB1102A

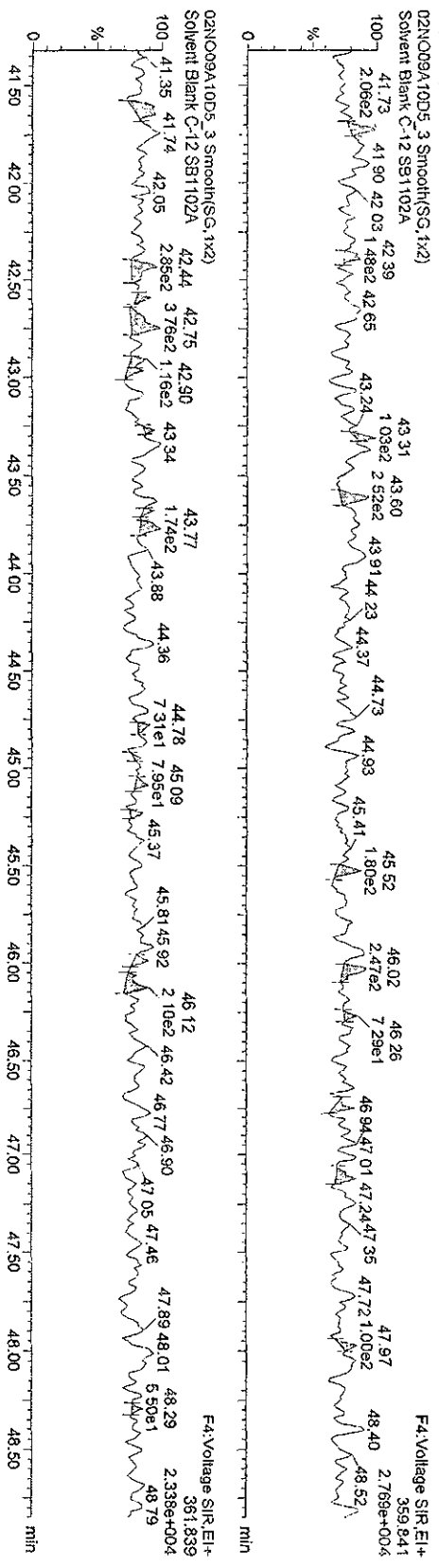


Dataset C:\MassLynx\Default\proj\02NO09A10D51668MSL.qld

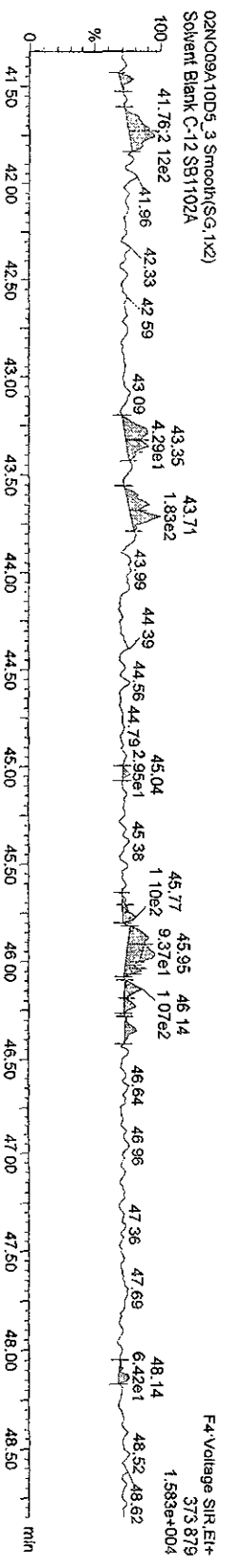
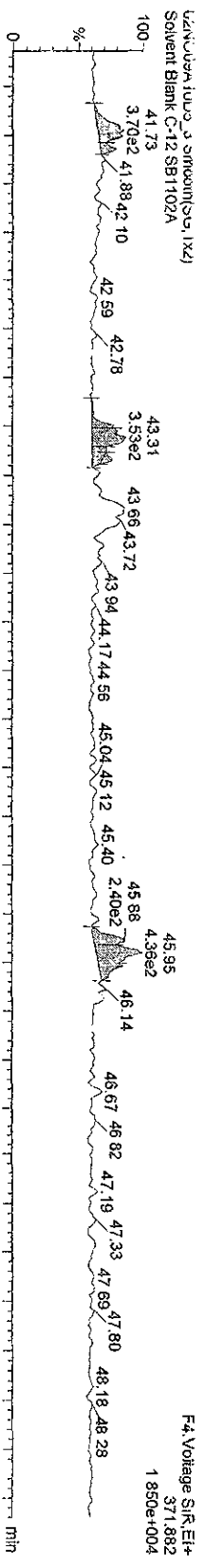
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_3, Date: 02-Nov-2009, Time: 18:04:08, ID: SB1102A, Description: Solvent Blank C-12

HxPCBs-



13C-HxPCBs



Dataset: C:\MassLynx\Default\pro\02N009A10D51668MSL.qld

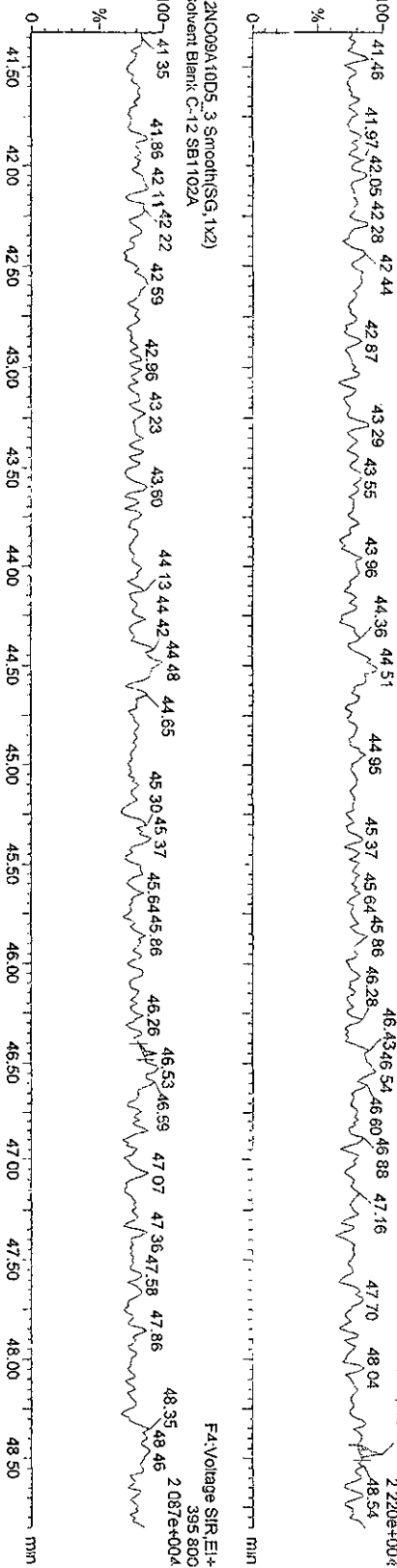
Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time

Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02N009A10D5\_3, Date: 02-Nov-2009, Time: 18:04:08, ID: SB1102A, Description: Solvent Blank C-12

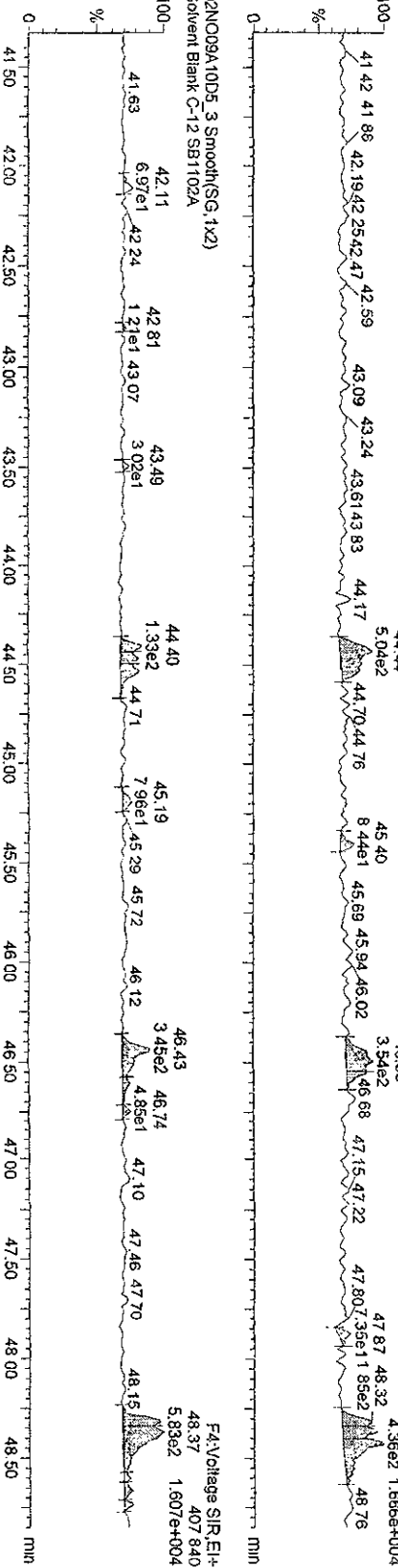
HPPCBS

02N009A10D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1102A



13C-HPPCBS

02N009A10D5\_3 Smooth(SG, 1x2)  
Solvent Blank C-12 SB1102A



Quantity Sample Report

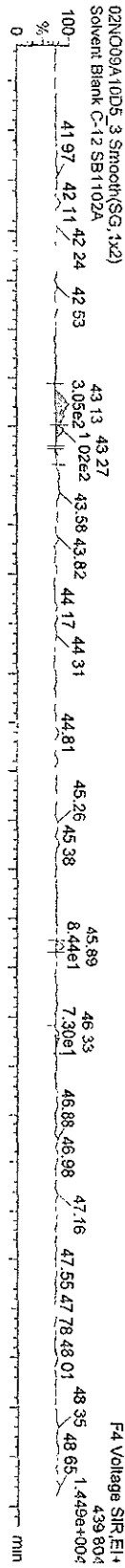
Masslynx 4.1

Dataset C:\Masslynx\Default\pro102NO09A10D5\1668MSL.qld

Last Altered: Tuesday, November 03, 2009 06:54:11 Pacific Standard Time  
Printed: Tuesday, November 03, 2009 06:54:42 Pacific Standard Time

Name: 02NO09A10D5\_3, Date: 02-Nov-2009, Time: 18:04:08, ID: SB1102A, Description: Solvent Blank C-12

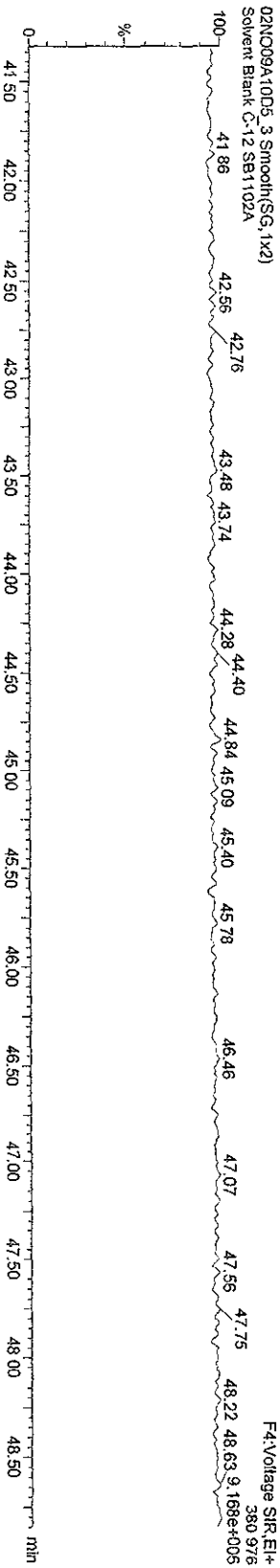
13C-OccB-202



Function 3 PFK



Function 4 PFK



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID TCA0716200910DS16KMSL, TCA0716200910DS16SLDEC <sup>1668</sup>

Method ID 1668.M Date Scanned \_\_\_\_\_

Column ID DB-5 Instrument ID 10DS

STD ID's ST0716, ST0716A, ST0716B, ST0716C, ST0716D STD Solution 09DXN(-205, -206, -207, -208, -209)

GC Program 1668.M.05 Multiplier Setting 350

Analyzed By SMA Date Analyzed 7-16-09

Prepared By SMA Date Prepared 7-21-09

Reviewed By AM Date Reviewed 7-21-09

ANALYSIS OFFICIAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for toxic and/or win low defining natives (LOC natives). All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%, S/N ≥ 2.5

1614: %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD, S/N ≥ 2.5

Dataset: C:\MassLynx\Default.pro\CA0713200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:45:37 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curved\CA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	12419.42300	552.43115	4.44812
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27458	0.03295	2.58481
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02377	0.01763	1.72210
11	PeCB-118/106	1.52582	0.06945	4.55167
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58926	0.05740	3.61197
14	13C-PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	14106.20925	642.22167	4.55276
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-DeCB-209	0.55323	0.00785	1.41876
38	DeCB-209	1.31861	0.03844	2.91546
39				
40	13C-PeCB-111	1.30483	0.02157	1.65345
41				
42	Function 3 PFK			
43	Function 4 PFK			
44	Function 5 PFK			

Dataset: C:\MassLynx\Default.pro\CA0716\200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1663MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curved\CA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.89	100.0	1238504	12385....	0.623	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1303558	1.05253	0.781	NO	
4	TeCB-81	289.922	33.82	1.0	17272	1.32496	0.713	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1366661	1.10348	0.785	NO	
6	TeCB-77	289.922	34.52	1.0	17201	1.25859	0.692	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.15	100.0	1250798	1.00993	0.630	NO	
9	PeCB-123	323.883	36.18	1.0	17822	1.42486	0.649	NO	
10	13C-PeCB-118	335.924	36.31	100.0	1303385	1.05239	0.638	NO	
11	PeCB-118/106	323.883	36.35	1.0	18785	1.44126	0.590	NO	
12	13C-PeCB-114	335.924	37.10	100.0	1308817	1.05677	0.632	NO	
13	PeCB-114	323.883	37.14	1.0	19667	1.50269	0.608	NO	
14	13C PeCB-105	335.924	38.18	100.0	1247364	1.00715	0.630	NO	
15	PeCB-105/127	323.883	38.21	1.0	17028	1.36510	0.657	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1318474	1.06457	0.617	NO	
17	PeCB-126	323.883	40.51	1.0	14763	1.11971	0.612	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.29	100.0	1410958	14109....	0.898	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.85	100.0	1437394	1.01874	1.287	NO	
22	HxCB-167	359.841	41.87	1.0	19668	1.36831	1.291	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1133192	0.80314	1.291	NO	
24	HxCB-156	359.841	43.45	1.0	18969	1.67395	1.142	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1209820	0.85745	1.273	NO	
26	HxCB-157	359.841	43.83	1.0	19507	1.61239	1.155	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1280840	0.90778	1.268	NO	
28	HxCB-169	359.841	46.08	1.0	13786	1.07630	1.297	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.59	100.0	985244	0.69828	1.054	NO	
31	HpCB-180	393.803	44.62	1.0	13178	1.33751	1.134	NO	
32	13C-HpCB-170	405.843	46.61	100.0	795719	0.56396	1.080	NO	
33	HpCB-170	393.803	46.64	1.0	12327	1.54915	1.029	NO	
34	13C-HpCB-189	405.843	48.48	100.0	1036343	0.73450	1.048	NO	
35	HpCB-189	393.803	48.50	1.0	12596	1.21545	1.055	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.70	100.0	781754	0.55406	0.704	NO	
38	DeCB-209	495.686	53.72	1.0	9872	1.26276	0.675	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.65	100.0	1685311	1.31074	0.635	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					



Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

#	Name	Trace	RT	Std. Conc.	Response	RRF	Ratio (Act.)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1201788	12017....	0.630	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1243046	1.03433	0.797	NO	
4	TeCB-81	289.922	33.83	5.0	87542	1.40851	0.717	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1317969	1.09667	0.797	NO	
6	TeCB-77	289.922	34.52	5.0	81251	1.23297	0.721	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1207195	1.00450	0.620	NO	
9	PeCB-123	323.883	36.18	5.0	84618	1.40190	0.624	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1219974	1.01513	0.633	NO	
11	PeCB-118/106	323.883	36.35	5.0	89482	1.46696	0.646	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1249215	1.03946	0.647	NO	
13	PeCB-114	323.883	37.14	5.0	97586	1.56236	0.602	NO	
14	13C-PeCB-105	335.924	38.19	100.0	1174371	0.97719	0.628	NO	
15	PeCB-105/127	323.883	38.21	5.0	82035	1.39708	0.619	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1231019	1.02432	0.623	NO	
17	PeCB-126	323.883	40.54	5.0	67459	1.09599	0.630	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1363855	13638....	0.891	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1360620	0.99763	1.270	NO	
22	HxCB-167	359.841	41.88	5.0	86045	1.26479	1.229	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1065694	0.78138	1.285	NO	
24	HxCB-156	359.841	43.46	5.0	85122	1.59750	1.186	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1123200	0.82355	1.286	NO	
26	HxCB-157	359.841	43.85	5.0	89045	1.58556	1.238	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1168591	0.85683	1.282	NO	
28	HxCB-169	359.841	46.08	5.0	62351	1.06712	1.221	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	925688	0.67873	1.035	NO	
31	HpCB-180	393.803	44.62	5.0	56871	1.22872	1.063	NO	
32	13C-HpCB-170	405.843	46.61	100.0	738016	0.54112	1.062	NO	
33	HpCB-170	393.803	46.64	5.0	58449	1.58394	1.019	NO	
34	13C-HpCB-189	405.843	48.50	100.0	932310	0.68358	1.049	NO	
35	HpCB-189	393.803	48.51	5.0	56109	1.20366	1.059	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	745327	0.54649	0.715	NO	
38	DeCB-209	495.686	53.73	5.0	48235	1.29433	0.711	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.66	100.0	1588090	1.30561	0.634	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716\200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1175057	11750....	0.634	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1246212	1.06055	0.801	NO	
4	TeCB-81	289.922	33.83	50.0	930081	1.49265	0.723	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1331423	1.13307	0.804	NO	
6	TeCB-77	289.922	34.52	50.0	847939	1.27373	0.727	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1191088	1.01364	0.643	NO	
9	PeCB-123	323.883	36.18	50.0	929234	1.56031	0.615	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1202953	1.02374	0.631	NO	
11	PeCB-118/106	323.883	36.35	50.0	956194	1.58974	0.625	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1229304	1.04616	0.638	NO	
13	PeCB-114	323.883	37.14	50.0	987405	1.60645	0.626	NO	
14	13C PeCB-105	335.924	38.19	100.0	1164813	0.99128	0.637	NO	
15	PeCB-105/127	323.883	38.21	50.0	850622	1.46053	0.610	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1208292	1.02828	0.622	NO	
17	PeCB-126	323.883	40.53	50.0	708636	1.17295	0.622	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1332095	13320....	0.897	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1325323	0.99492	1.279	NO	
22	HxCB-167	359.841	41.88	50.0	929401	1.40253	1.238	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1039105	0.78005	1.292	NO	
24	HxCB-156	359.841	43.46	50.0	895990	1.72454	1.227	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1109688	0.83304	1.283	NO	
26	HxCB-157	359.841	43.85	50.0	943304	1.70012	1.230	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1146831	0.86092	1.284	NO	
28	HxCB-169	359.841	46.08	50.0	635680	1.10859	1.243	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	926647	0.69563	1.034	NO	
31	HpCB-180	393.803	44.62	50.0	599373	1.29364	1.027	NO	
32	13C-HpCB-170	405.843	46.62	100.0	725228	0.54443	1.045	NO	
33	HpCB-170	393.803	46.64	50.0	598461	1.65041	1.043	NO	
34	13C-HpCB-189	405.843	48.50	100.0	930603	0.69880	1.043	NO	
35	HpCB-189	393.803	48.51	50.0	575970	1.23784	1.038	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	733459	0.55061	0.704	NO	
38	DeCB-209	495.686	53.73	50.0	494787	1.34919	0.691	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.67	100.0	1595890	1.33070	0.629	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716\200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

#	Name	Trace	RT	Std. Conc.	Response	RRF	Ratio (Act.)	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.89	100.0	1295333	12953....	0.633	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1310582	1.01177	0.780	NO	
4	TeCB-81	289.922	33.82	200.0	3974320	1.51624	0.742	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1385538	1.06964	0.794	NO	
6	TeCB-77	289.922	34.52	200.0	3662737	1.32177	0.723	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1226579	0.94692	0.628	NO	
9	PeCB-123	323.883	36.18	200.0	3838855	1.56486	0.620	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1301955	1.00511	0.639	NO	
11	PeCB-118/106	323.883	36.35	200.0	4007006	1.53884	0.615	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1286568	0.99323	0.644	NO	
13	PeCB-114	323.883	37.14	200.0	4203276	1.63352	0.617	NO	
14	13C PeCB-105	335.924	38.18	100.0	1235972	0.95417	0.624	NO	
15	PeCB-105/127	323.883	38.21	200.0	3603788	1.45788	0.623	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1300508	1.00399	0.625	NO	
17	PeCB-126	323.883	40.52	200.0	3074213	1.18193	0.615	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1460108	14601....	0.903	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1431091	0.98013	1.291	NO	
22	HxCB-167	359.841	41.88	200.0	3738452	1.30615	1.233	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1116476	0.76465	1.290	NO	
24	HxCB-156	359.841	43.46	200.0	3830700	1.71553	1.223	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1194057	0.81779	1.280	NO	
26	HxCB-157	359.841	43.85	200.0	4035042	1.68964	1.232	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1236150	0.84662	1.277	NO	
28	HxCB-169	359.841	46.06	200.0	2788716	1.12798	1.245	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	970265	0.66452	1.045	NO	
31	HpCB-180	393.803	44.62	200.0	2544786	1.31139	1.039	NO	
32	13C-HpCB-170	405.843	46.61	100.0	776807	0.53202	1.059	NO	
33	HpCB-170	393.803	46.64	200.0	2565555	1.65135	1.038	NO	
34	13C-HpCB-189	405.843	48.48	100.0	978294	0.67001	1.033	NO	
35	HpCB-189	393.803	48.51	200.0	2441050	1.24761	1.041	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	801083	0.54865	0.706	NO	
38	DeCB-209	495.686	53.73	200.0	2145217	1.33895	0.696	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.65	100.0	1659357	1.30626	0.623	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\CA0716\200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1299028	12990...	0.636	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1351021	1.04002	0.809	NO	
4	TeCB-81	289.922	33.82	500.0	10467538	1.54957	0.737	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1453148	1.11864	0.802	NO	
6	TeCB-77	289.922	34.52	500.0	9342494	1.28583	0.722	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1287591	0.99120	0.632	NO	
9	PeCB-123	323.883	36.18	500.0	10139770	1.57500	0.616	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1328216	1.02247	0.649	NO	
11	PeCB-118/106	323.883	36.35	500.0	10574689	1.59231	0.621	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1382567	1.04891	0.632	NO	
13	PeCB-114	323.883	37.15	500.0	11181883	1.64130	0.625	NO	
14	13C PeCB-105	335.924	38.19	100.0	1270123	0.97775	0.646	NO	
15	PeCB-105/127	323.883	38.21	500.0	9435282	1.48573	0.621	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1336400	1.02877	0.628	NO	
17	PeCB-126	323.883	40.53	500.0	8075162	1.20849	0.619	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1486089	14860....	0.895	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1517183	1.02092	1.289	NO	
22	HxCB-167	359.841	41.88	500.0	10605261	1.39802	1.234	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1183364	0.79629	1.304	NO	
24	HxCB-156	359.841	43.46	500.0	10238996	1.73049	1.242	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1255009	0.84450	1.295	NO	
26	HxCB-157	359.841	43.85	500.0	10733652	1.71053	1.230	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1314059	0.88424	1.276	NO	
28	HxCB-169	359.841	46.08	500.0	7303533	1.11160	1.218	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	1014969	0.68298	1.046	NO	
31	HpCB-180	393.803	44.64	500.0	6752054	1.33049	1.042	NO	
32	13C-HpCB-170	405.843	46.62	100.0	827947	0.55713	1.061	NO	
33	HpCB-170	393.803	46.64	500.0	6789976	1.64019	1.040	NO	
34	13C-HpCB-189	405.843	48.50	100.0	1042716	0.70165	1.045	NO	
35	HpCB-189	393.803	48.51	500.0	6512169	1.24908	1.047	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	841659	0.58636	0.703	NO	
38	DeCB-209	495.686	53.73	500.0	5672044	1.34782	0.701	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.67	100.0	1673672	1.27084	0.628	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Sample List: C:\MassLynx\Default\pro\Samp edb\16JL0910D5 SPL  
Last Modified: Thursday, July 16, 2009 2:10:20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 2:10:32 Pacific Daylight Time

	File Name	File Text	Sample ID	Metri/Matrix	BOX #	Sample Size	Unit	FV_ul
1	16JL0910D5_1	Solvent Blank C-12	SB0716	---	---	1.000000	---	1.00
2	16JL0910D5_2	CS-1 09DXN205	ST0716	---	---	1.000000	---	1.00
3	16JL0910D5_3	CS-2 09DXN206	ST0716A	---	---	1.000000	---	1.00
4	16JL0910D5_4	CS-3 09DXN207	ST0716B	---	---	1.000000	---	1.00
5	16JL0910D5_5	CS-4 09DXN208	ST0716C	---	---	1.000000	---	1.00
6	16JL0910D5_6	CS-5 09DXN209	ST0716D	---	---	1.000000	---	1.00
7	16JL0910D5_7	Solvent Blank C-12	SB0716A	---	---	1.000000	---	1.00
8	16JL0910D5_8	2nd Source 09DXN196	ST0716E	1668	---	1.000000	---	1.00
9	16JL0910D5_9	CS-3 09DXN207	ST0716F	---	---	1.000000	---	1.00
10	16JL0910D5_10	Solvent Blank C-12	SB0716B	---	---	1.000000	---	1.00
11	16JL0910D5_11	G9G020271-1MB	LF612-1-AAB	1668/SOLID	89	10.000000	g	20
12	16JL0910D5_12	G9G020271-1LCS	LF612-1-ACC	1668/SOLID	---	10.000000	g	20
13	16JL0910D5_13	G9G020271-1	LF16J-1-AC	1668/SOLID	---	10.030000	g	20
14	16JL0910D5_14	G9G020271-2	LF16K-1-AC	1668/SOLID	---	10.075000	g	20
15	16JL0910D5_15	G9G020271-3	LF16L-1-AC	1668/SOLID	---	10.450000	g	20
16	16JL0910D5_16	G9G020275-1	LF162-1-AC	1668/SOLID	---	10.195000	g	20
17	16JL0910D5_17	G9G020275-2	LF166-1-AC	1668/SOLID	---	10.225000	g	20
18	16JL0910D5_18	G9G020275-3	LF168-1-AC	1668/SOLID	---	10.205000	g	20
19	16JL0910D5_19	G9G020275-4	LF169-1-AC	1668/SOLID	---	10.085000	g	20
20	16JL0910D5_20	G9G020280-1	LF172-1-AC	1668/SOLID	---	10.265000	g	20
21	16JL0910D5_21	G9G020280-2	LF174-1-AC	1668/SOLID	---	10.340000	g	20
22	16JL0910D5_22	G9G020280-3	LF176-1-AC	1668/SOLID	---	10.040000	g	20
23	16JL0910D5_23	Solvent Blank C-12	SB0716C	---	---	1.000000	---	1.00

reviewed  
by  
ms  
7/17/09

Sample List: C:\MassLynx\Default\proj\Samp\bledb\16JLD910D5 SPL  
 Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
 Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:2	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	1	2	100	100
Tray1:3	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	5	10	100	100
Tray1:4	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:5	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	200	400	100	100
Tray1:6	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	500	1000	100	100
Tray1:7	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:10	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:11	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:16	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA, A M 07-16-09	1668M10D5	1668M10D5	---	---	---	---

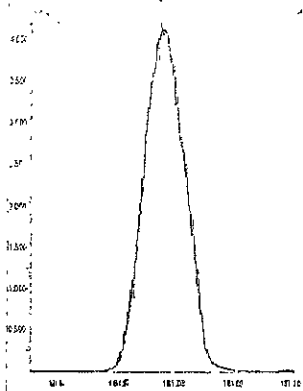
Sample List C:\MassLynx\Default pro\Sampledb\16\LO910D5.SPL  
Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
Printed Thursday, July 16, 2009 21:11:32 Pacific Daylight Time

Conc E	Conc F	Conc G	Conc H
---	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
100	---	---	---
---	---	---	---
2000	---	---	---
100	---	---	---
---	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
2000	---	---	---
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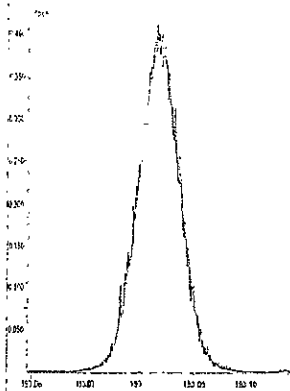
File Experiment 1668M1005.exp Reference: pkf.ref Function: 1 @ 200 (ppm)

Printed: Thursday, July 16, 2009 11:39:37 Pacific Daylight Time

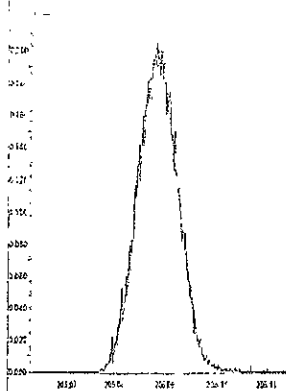
M 180.9888 R 11493



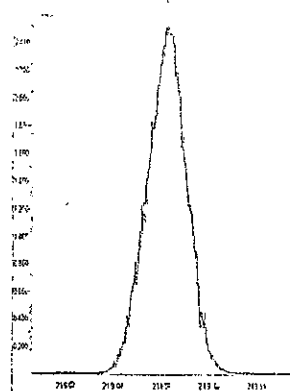
M 192.9888 R 10930



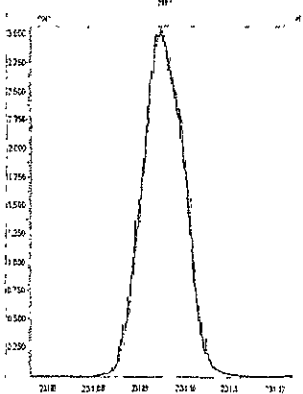
M 204.9888 R 11494



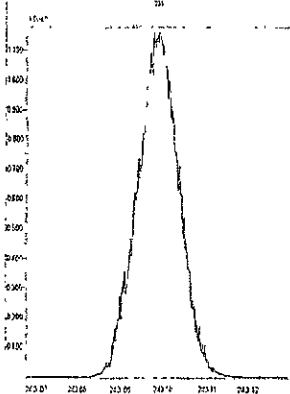
M 218.9856 R 11766



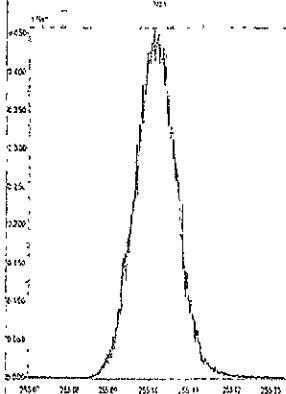
M 230.9856 R 11236



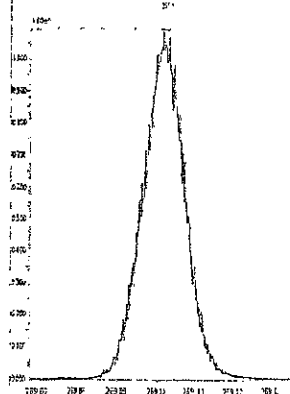
M 242.9856 R 11235



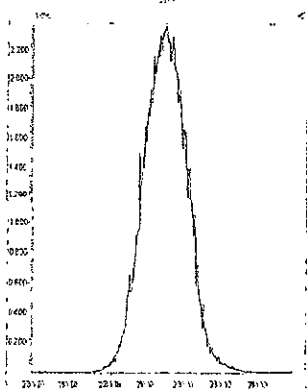
M 254.9856 R 11172



M 268.9824 R 10692



M 280.9824 R 10308

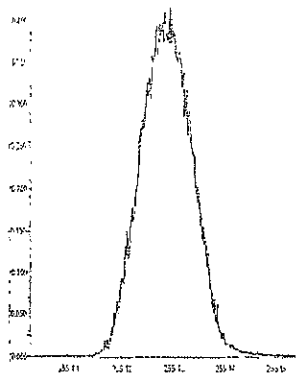




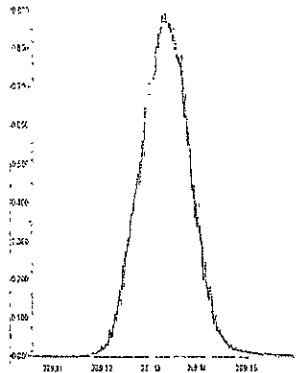
File Expenent. 1668M10D5 exp Reference: ofk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, July 16, 2009 11:40:41 Pacific Daylight Time

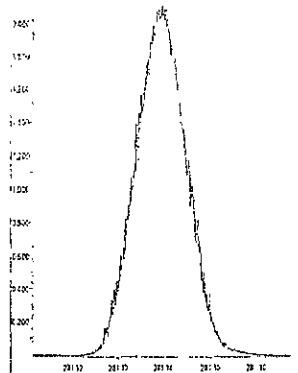
M 254.9856 R 11520



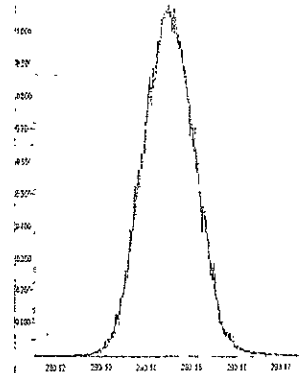
M 268.9824 R 11420



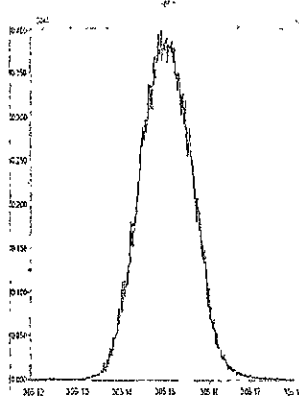
M 280.9824 R 11113



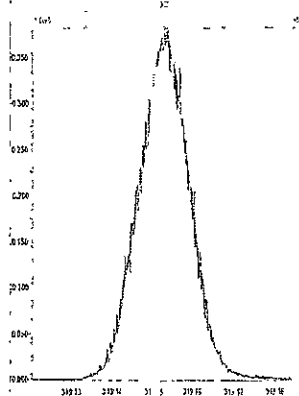
M 292.9824 R 11211



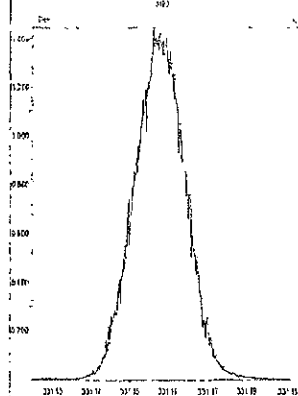
M 304.9824 R 11159



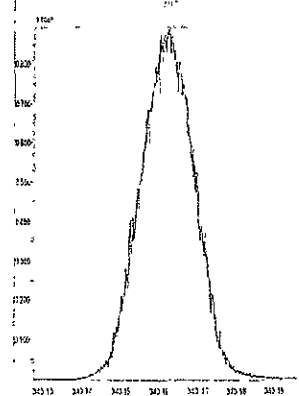
M 318.9792 R 11059



M 330.9792 R 11063



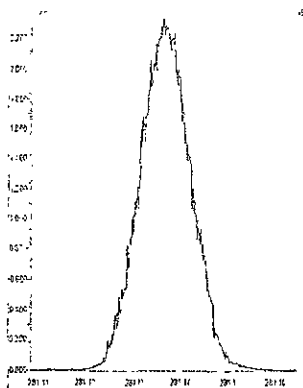
M 342.9792 R 11260



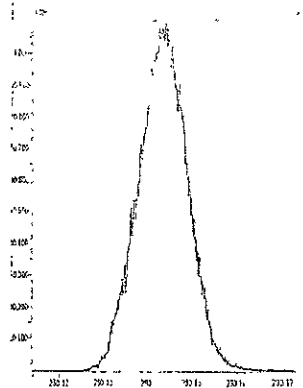
File: Experiment: 1668M1005 exp Reference: pk ref Function: 3 @ 200 (ppm)

Printed: Thursday, July 16, 2009 11:41:17 Pacific Daylight Time

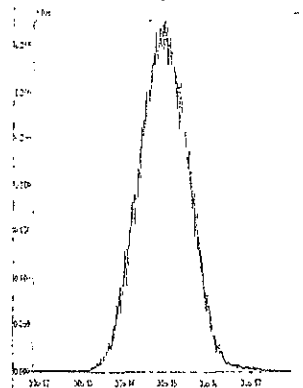
M 280.9824 R 11412



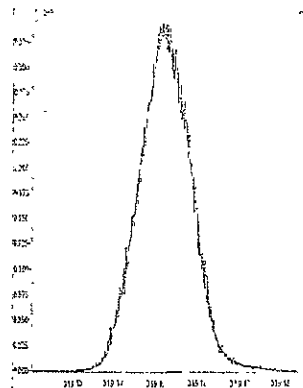
M 292.9824 R 11313



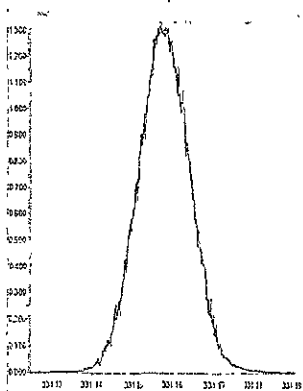
M 304.9824 R 11110



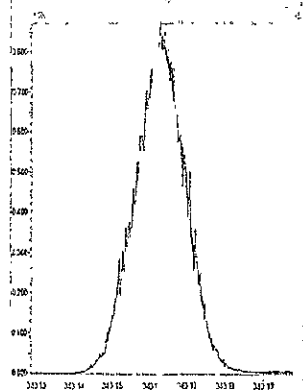
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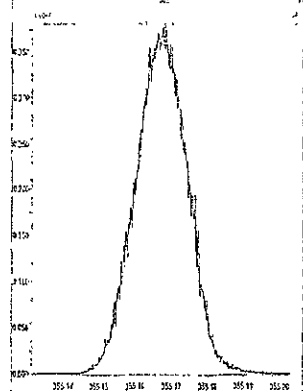
M 330.9792 R 11212



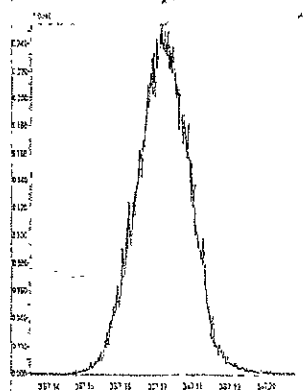
M 342.9792 R 11210



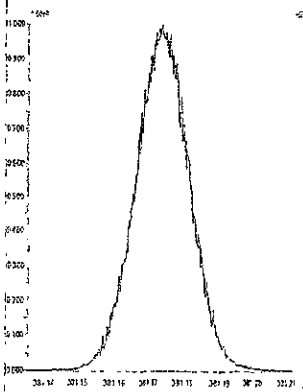
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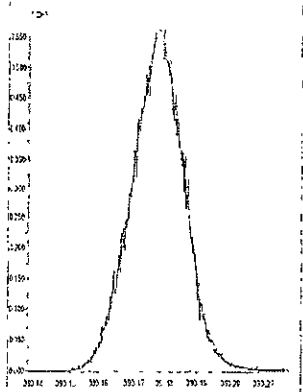
M 366.9792 R 11107



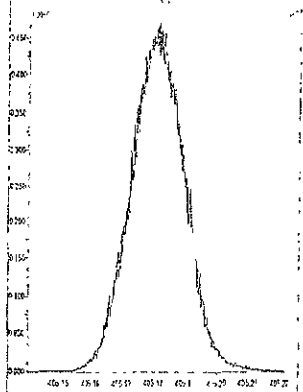
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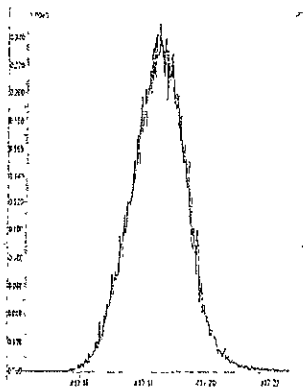
M 392.9760 R 10592



M 404.9760 R 10505



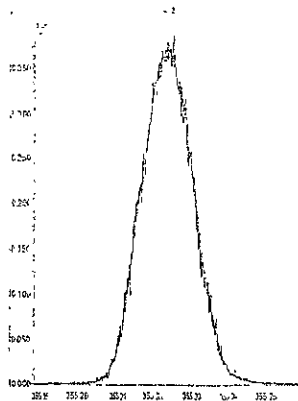
M 416.9760 R 10729



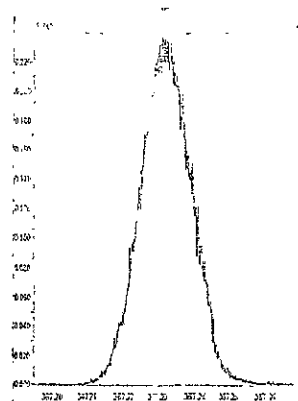
File Experiment: 1658M1005 exp Reference: pfk ref Function: 4 @ 200 (ppm)

Printed: Thursday, July 16, 2009 11:42:47 Pacific Daylight Time

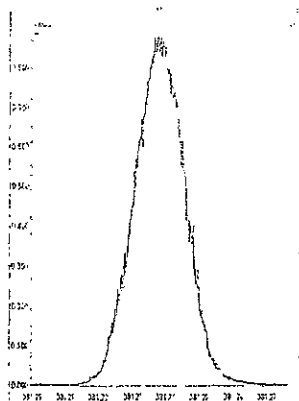
M 354.9792 R 11111



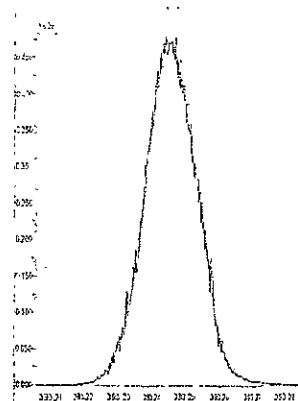
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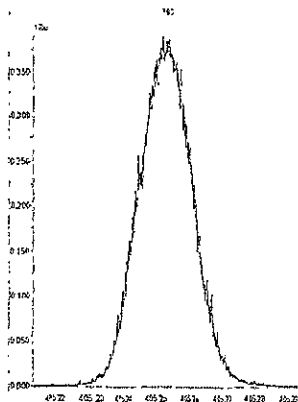
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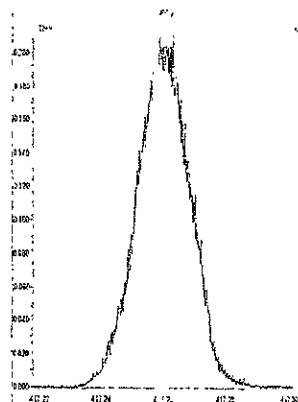
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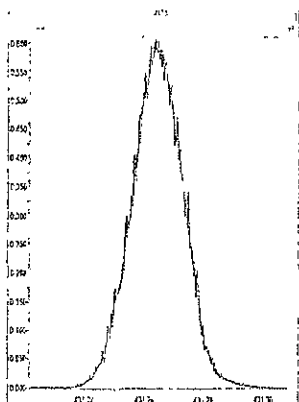
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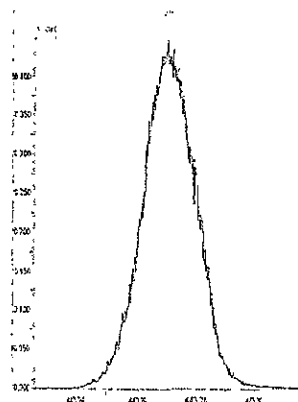
M 416.9760 R 10636



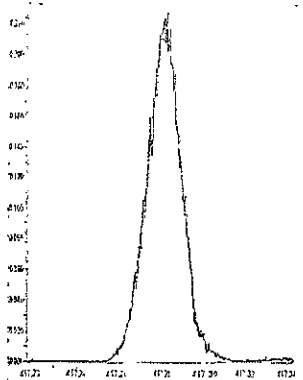
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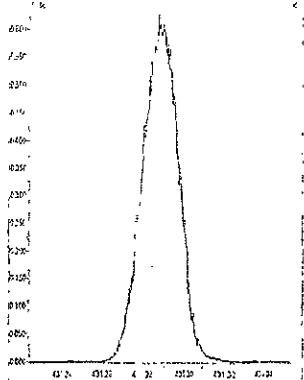
M 442.9728 R 10917



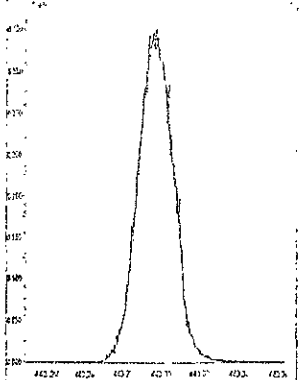
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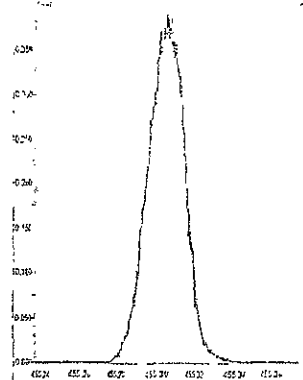
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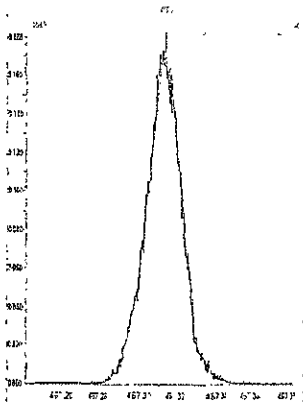
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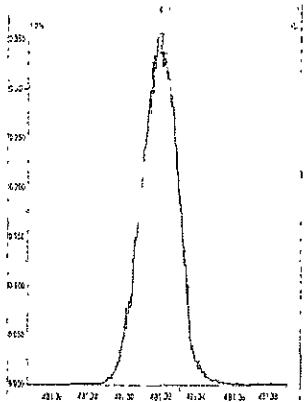
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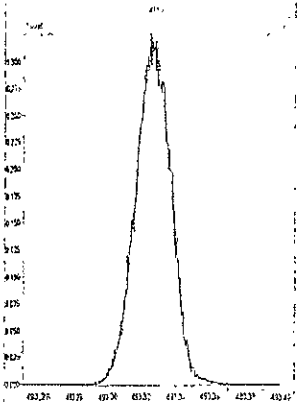
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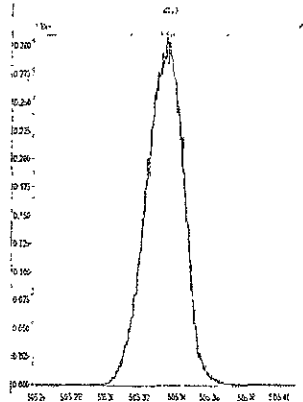
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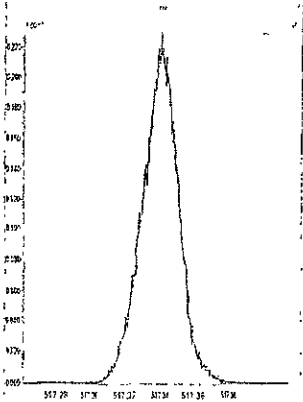
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M 504.9696 R 10617



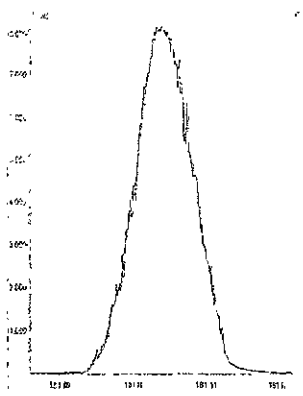
M 516.9697 R 10547



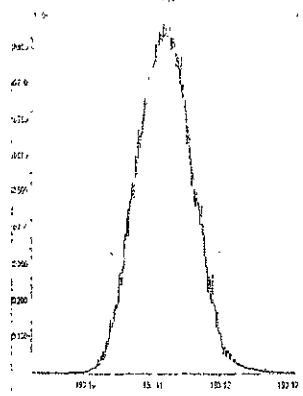
File: Experiment 1668M10D5 exp Reference: pfk ref Function: 1 @ 200 (ppm)

Printed: Thursday, July 16 2009 20:24:50 Pacific Daylight Time

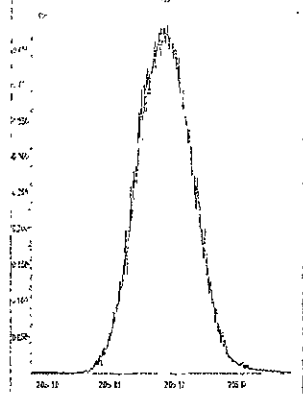
M 180.9888 R 10459



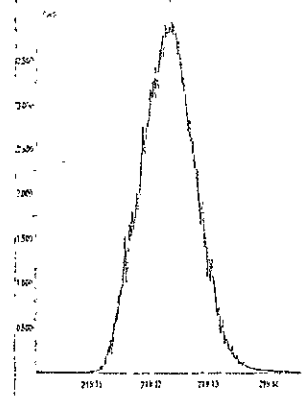
M 192.9836 R 10504



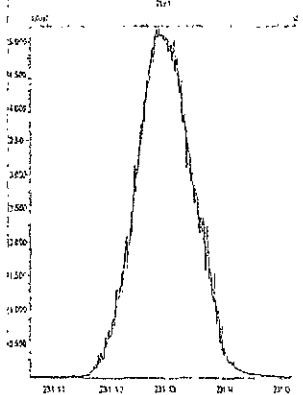
M 204.9888 R 10462



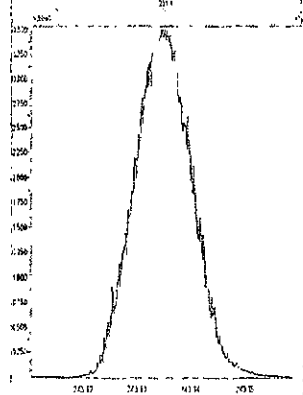
M 219.9856 R 10330



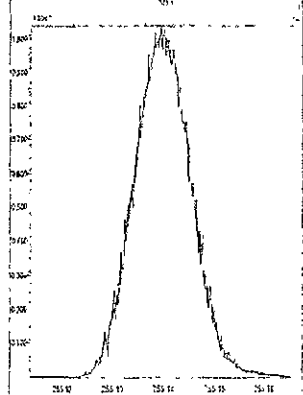
M 230.9856 R 10375



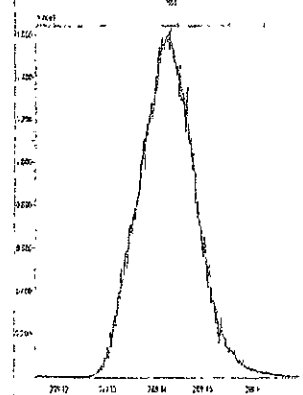
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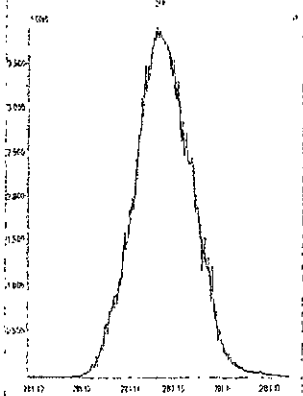
M 254.9856 R 10246



M 268.9824 R 10039



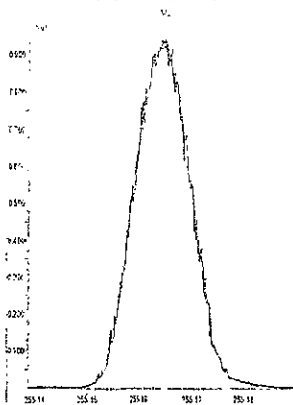
M 280.9824 R 10207



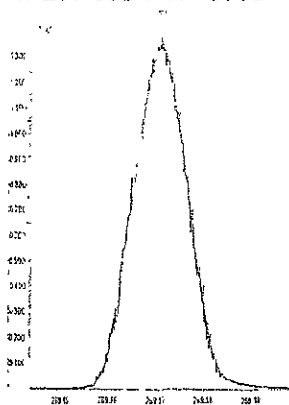
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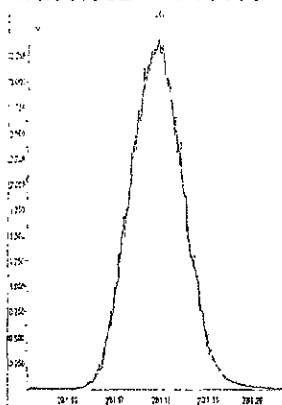
M 254.9856 R 10777



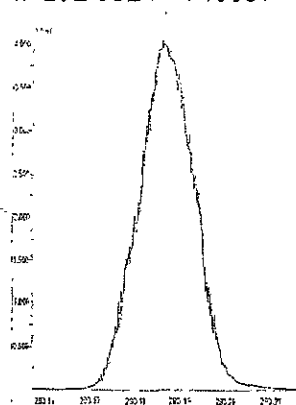
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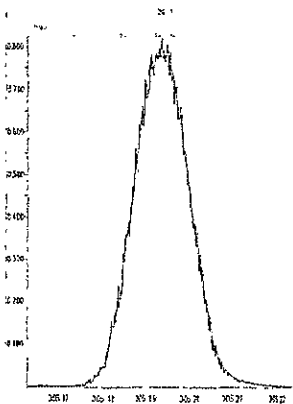
M 280.9824 R 10963



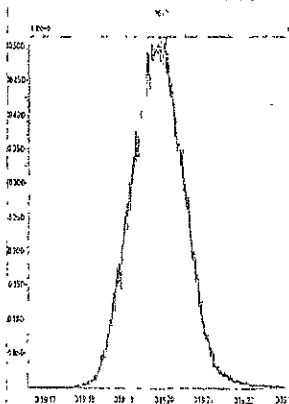
M 292.9824 R 10967



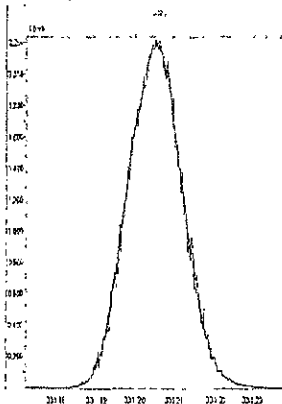
M 304.9824 R 10724



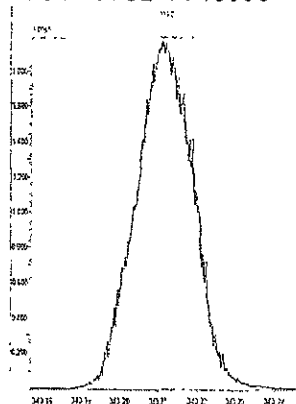
M 318.9792 R 10592



M 330.9792 R 10872



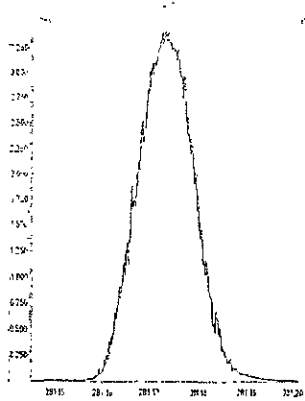
M 342.9792 R 10505



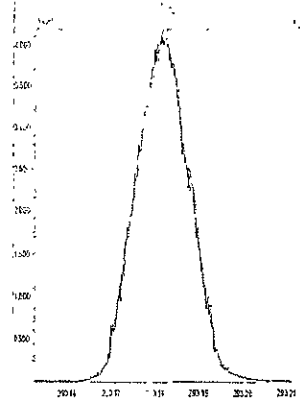
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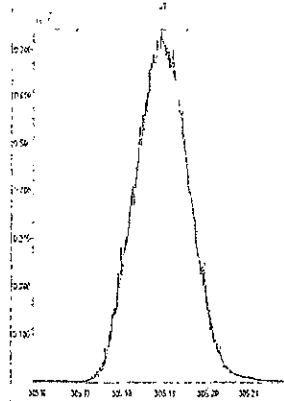
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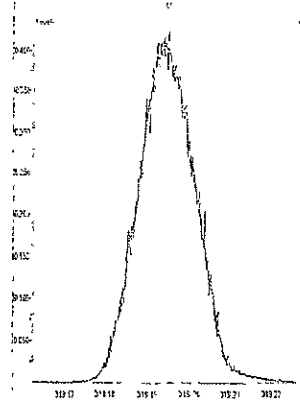
M 292.9824 R 11009



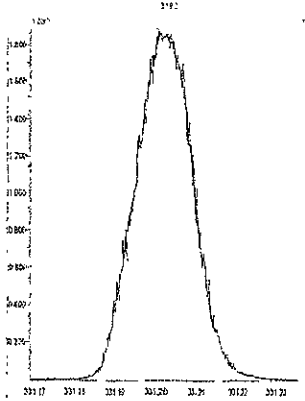
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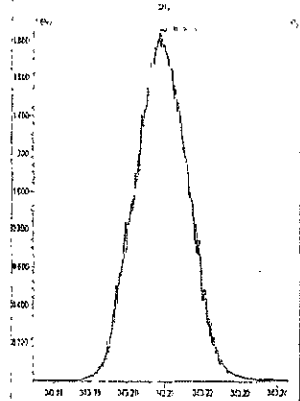
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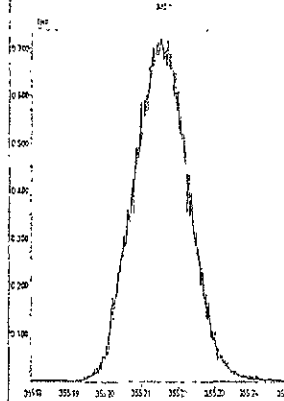
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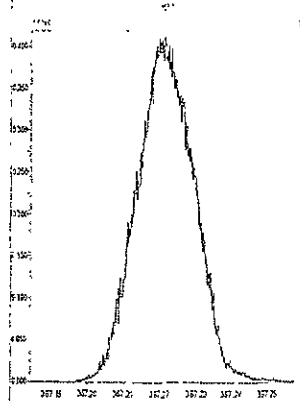
M 342.9792 R 10639



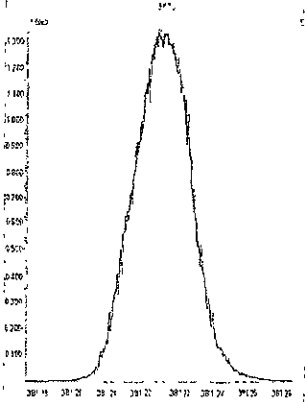
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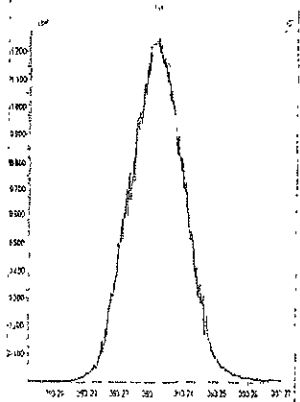
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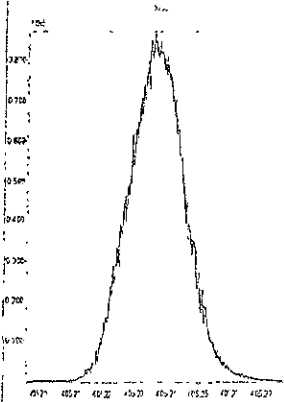
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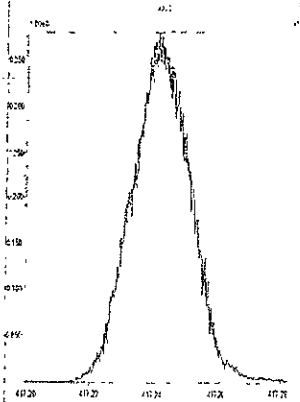
M 392.9760 R 10330



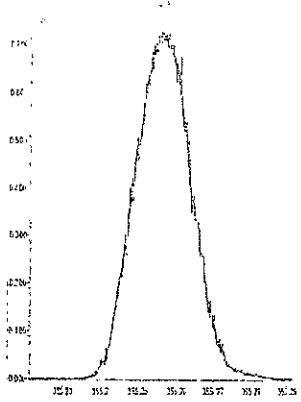
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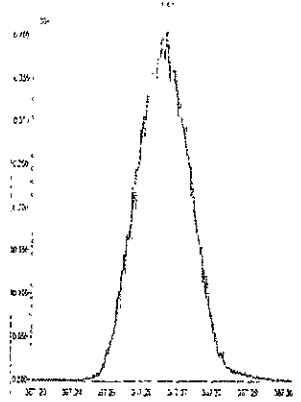
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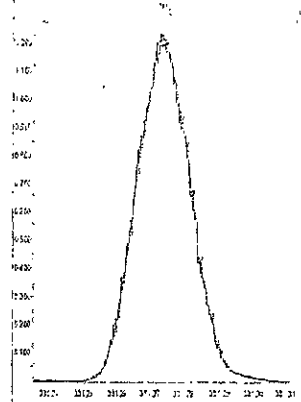
M 354.9782 R 11052



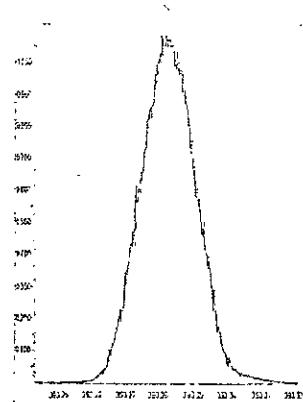
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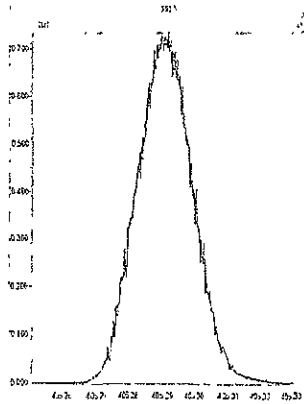
M 380.9760 R 10915



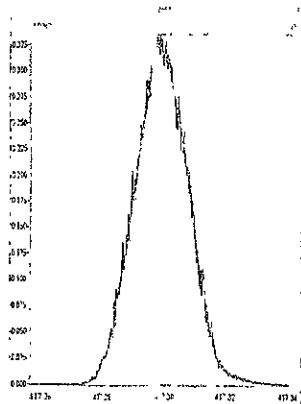
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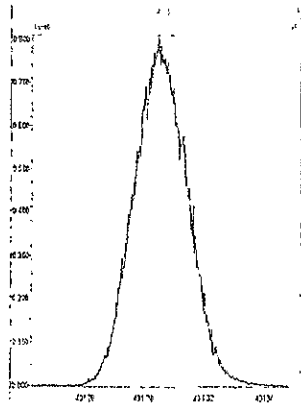
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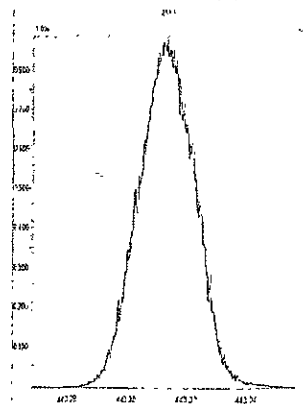
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M 430.9728 R 10415



M 442.9728 R 10639

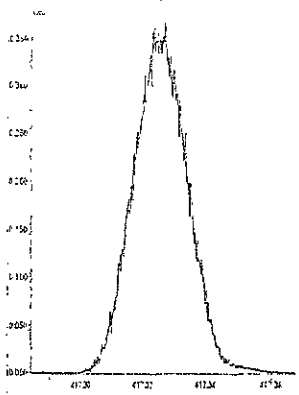




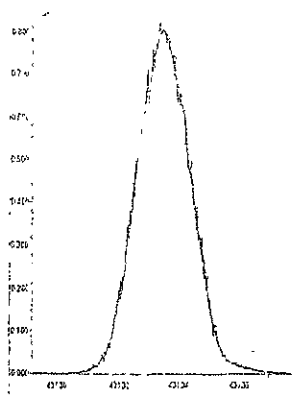
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Printed: Thursday, July 16, 2009 20:34:38 Pacific Daylight Time

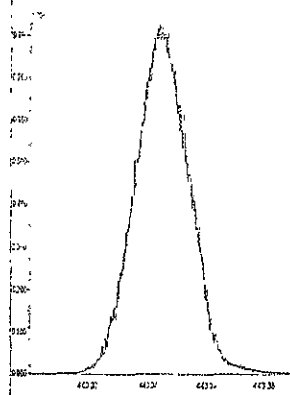
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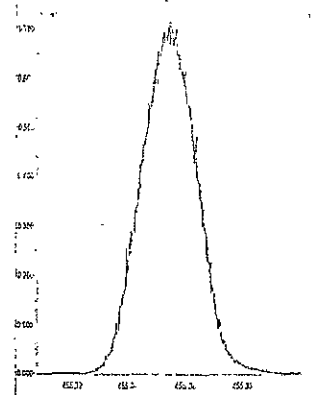
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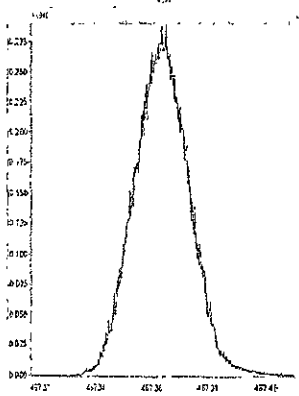
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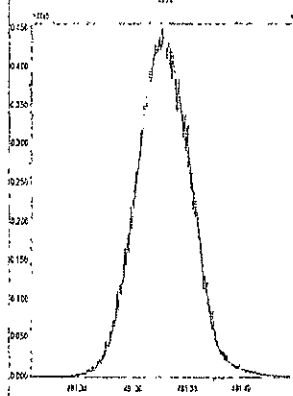
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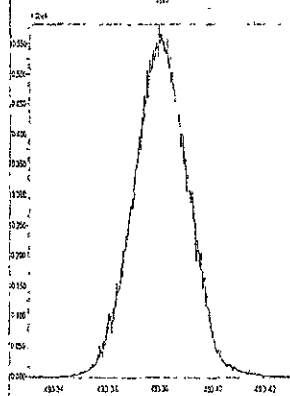
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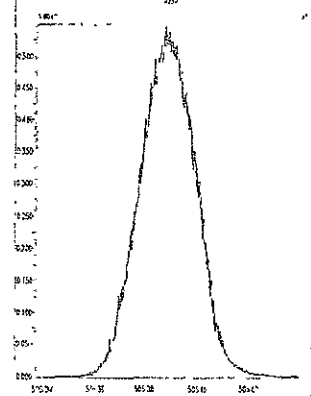
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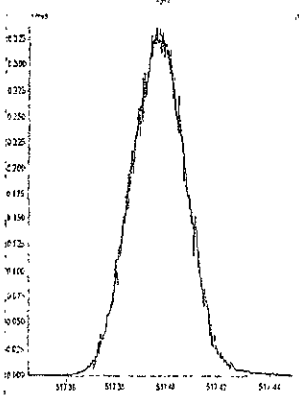
M 492.9696 R 10458



M 504.9696 R 10638



M 516.9697 R 10206



Quantify Sample Report      MassLynx 4.1

Dataset      C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Method: C:\MassLynx\Default\prol\Method\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default\prol\Curve\db\CA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16JL0910D5\_2; Date: 16-Jul-2009; Time: 12:44:58; ID: ST0716; Description: CS-1 09DXN205

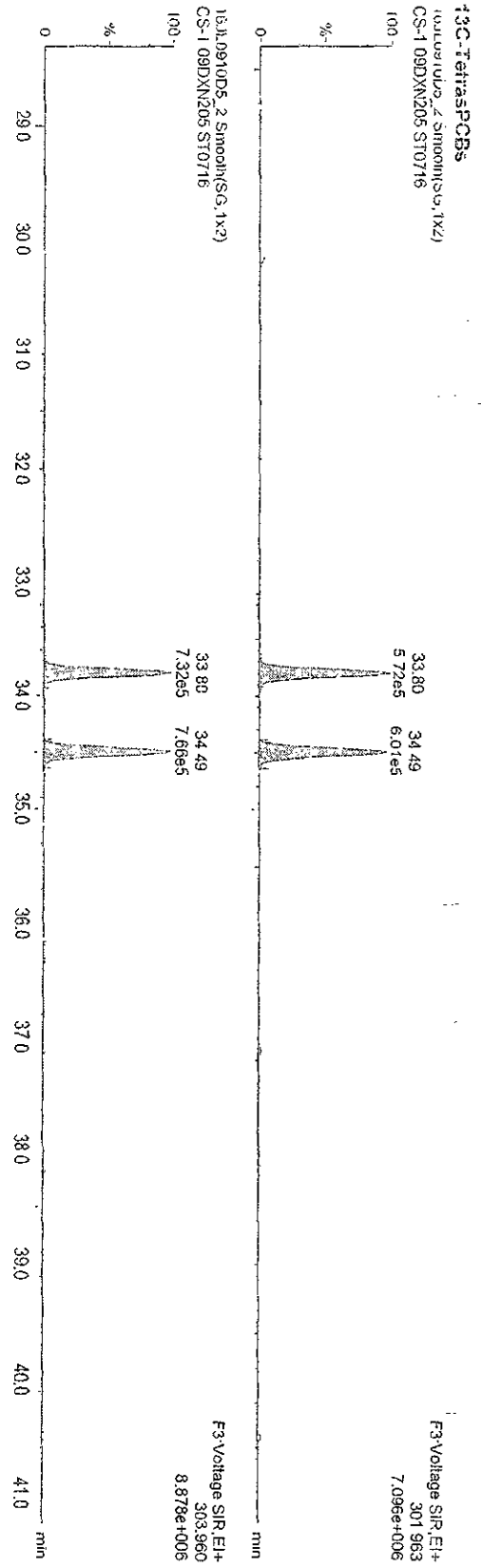
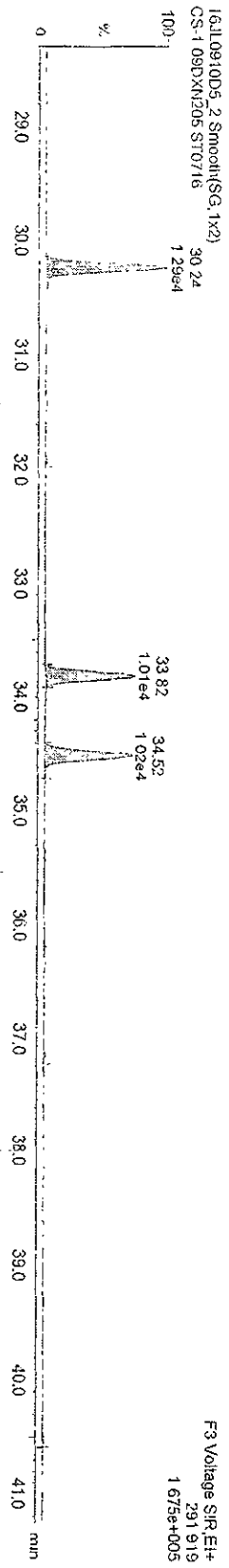
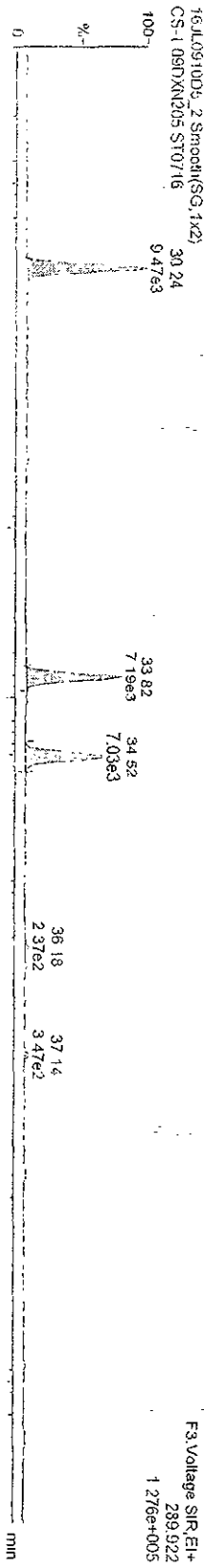
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Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

TetraPCBs

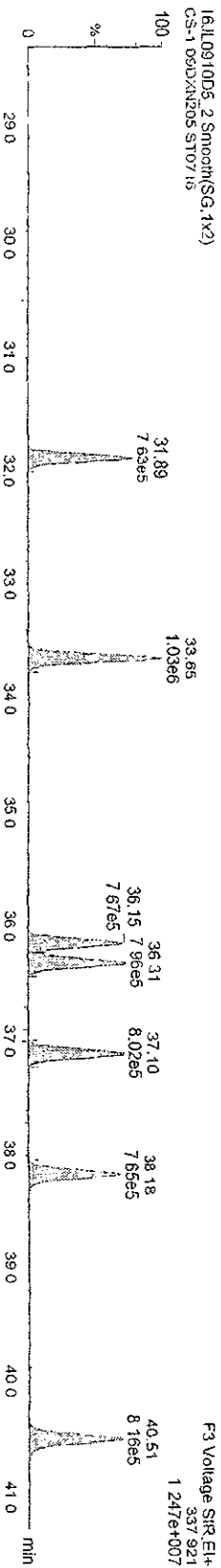
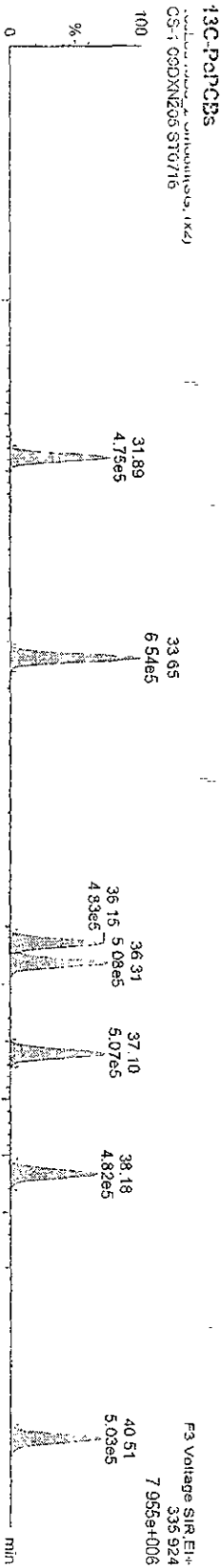
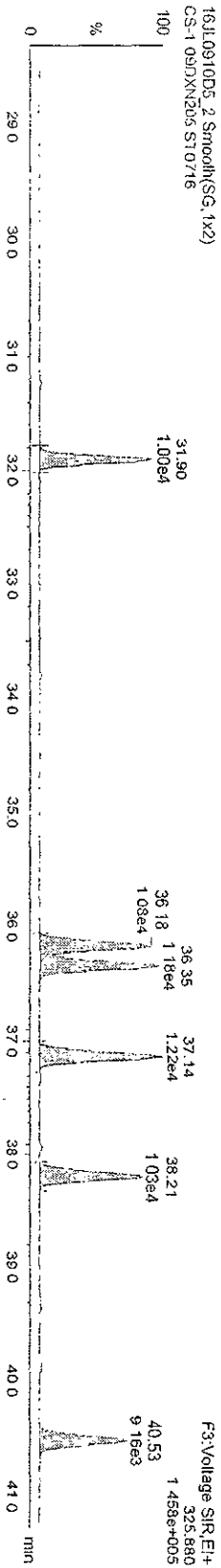


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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
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Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

PePCBs



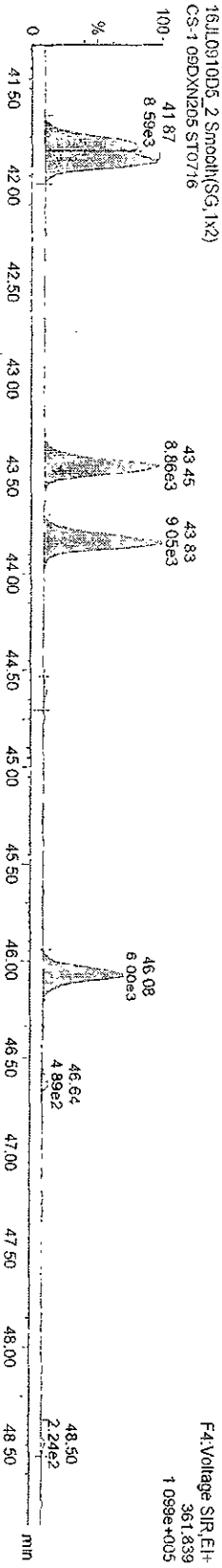
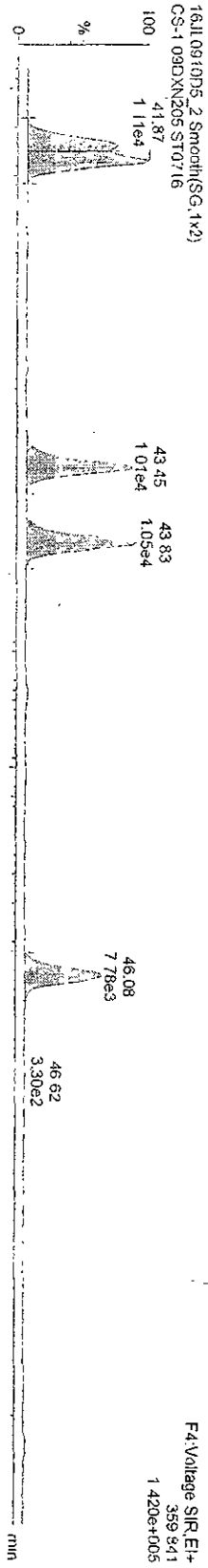
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

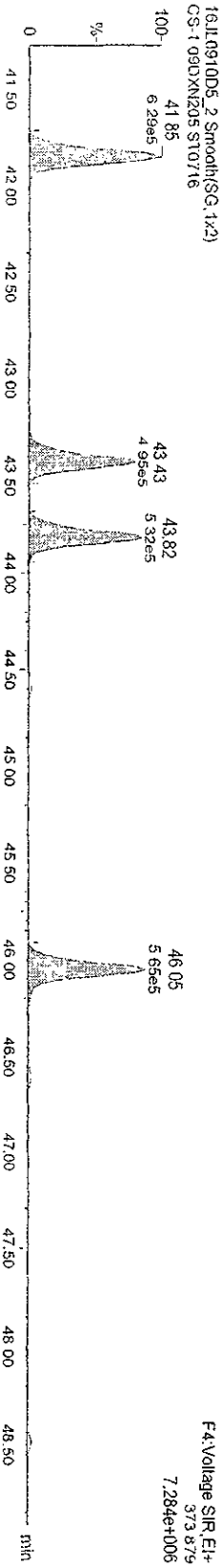
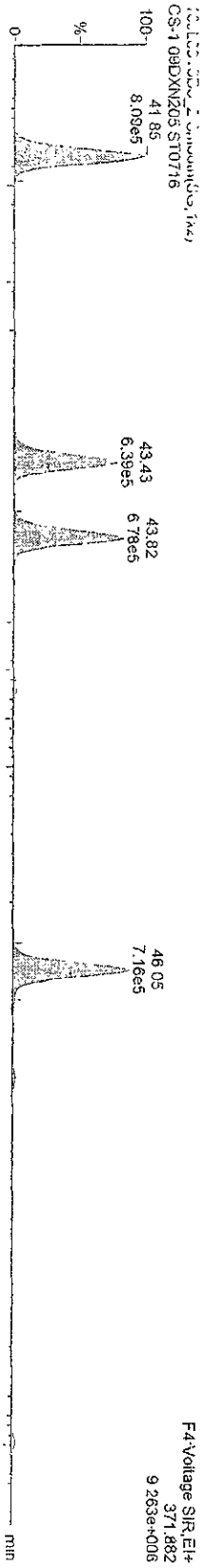
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HXPCBs-



13C-HXPCBs

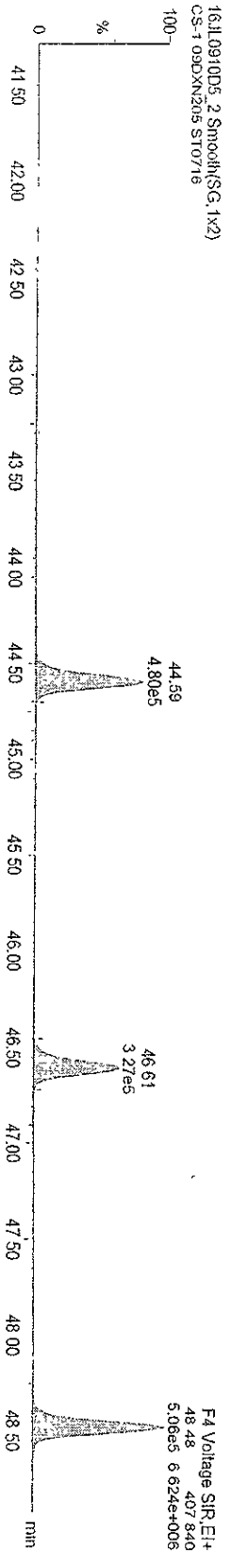
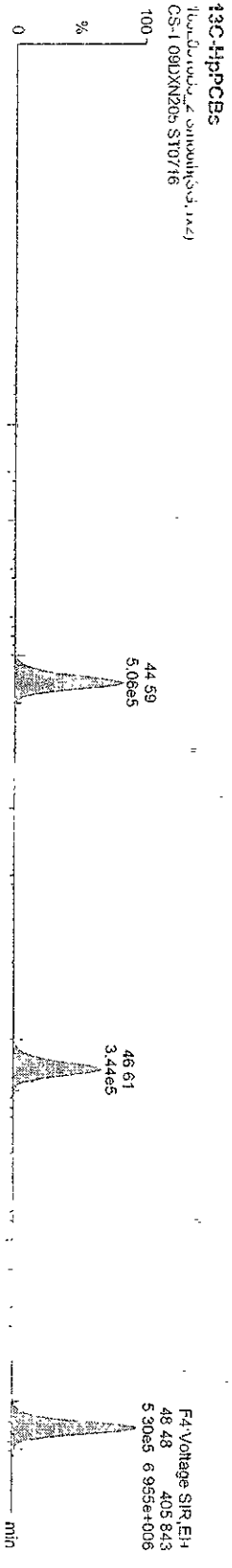
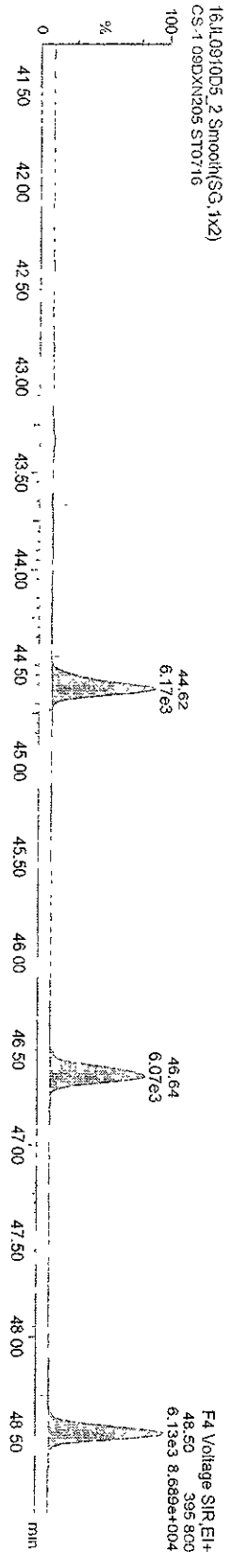
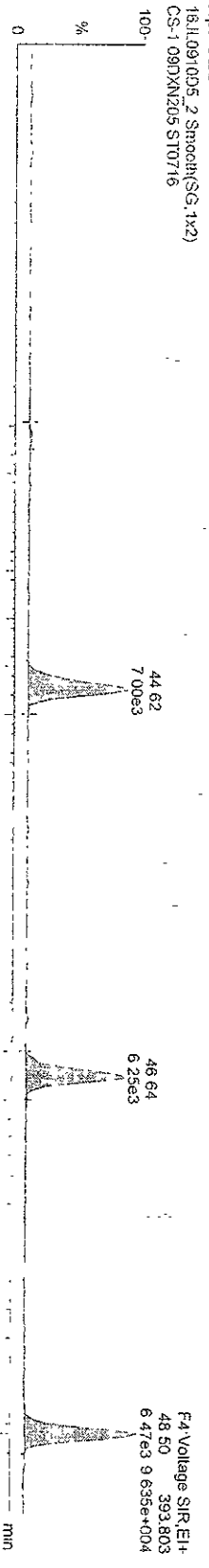


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HPPCBs



Dataset C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

13C-OCCB-202

16JUL0910D5\_2 Smooth(SG,1x2)

CS-1 09DXN205 S10716



F4 Voltage SIR\_EI+  
439.804  
7.584e+006

16JUL0910D5\_2 Smooth(SG,1x2)

CS-1 09DXN205 S10716

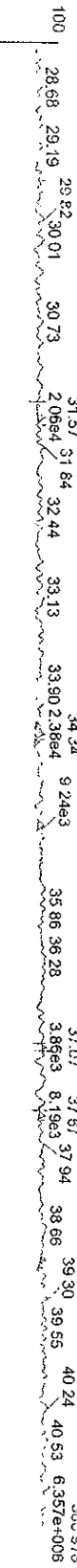


F4 Voltage SIR\_EI+  
441.801  
8.506e+006

Function 3 PFK

16JUL0910D5\_2 Smooth(SG,1x2)

CS-1 09DXN205 S10716

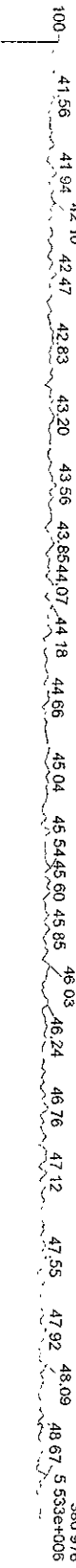


F3 Voltage SIR\_EI+  
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6.357e+006

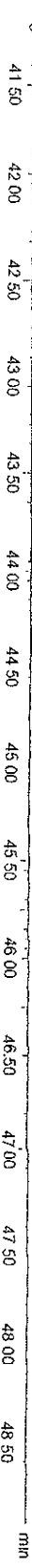
Function 4 PFK

16JUL0910D5\_2 Smooth(SG,1x2)

CS-1 09DXN205 S10716



F4 Voltage SIR\_EI+  
380.976  
5.533e+006



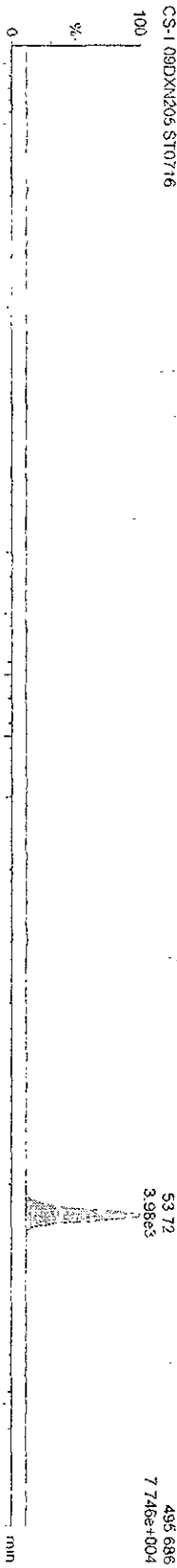
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
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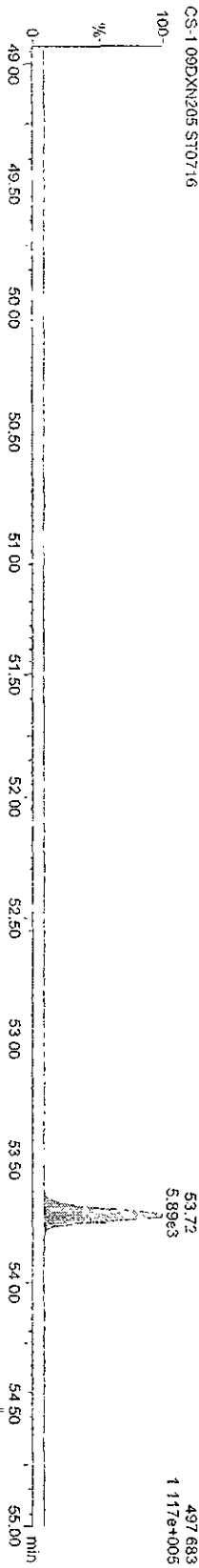
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DaCB-209

16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1-09DXN205 ST0716

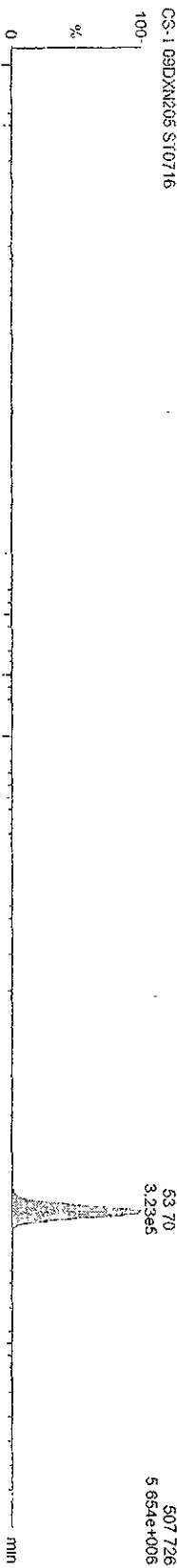


16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1-09DXN205 ST0716

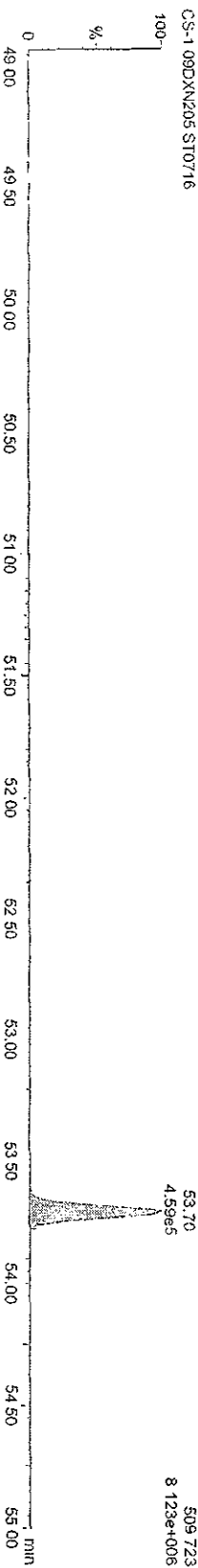


13C-DaCB-209

16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1-09DXN205 ST0716



16JL0910D5\_2 Smooth(SG, 1x2)  
CS-1-09DXN205 ST0716





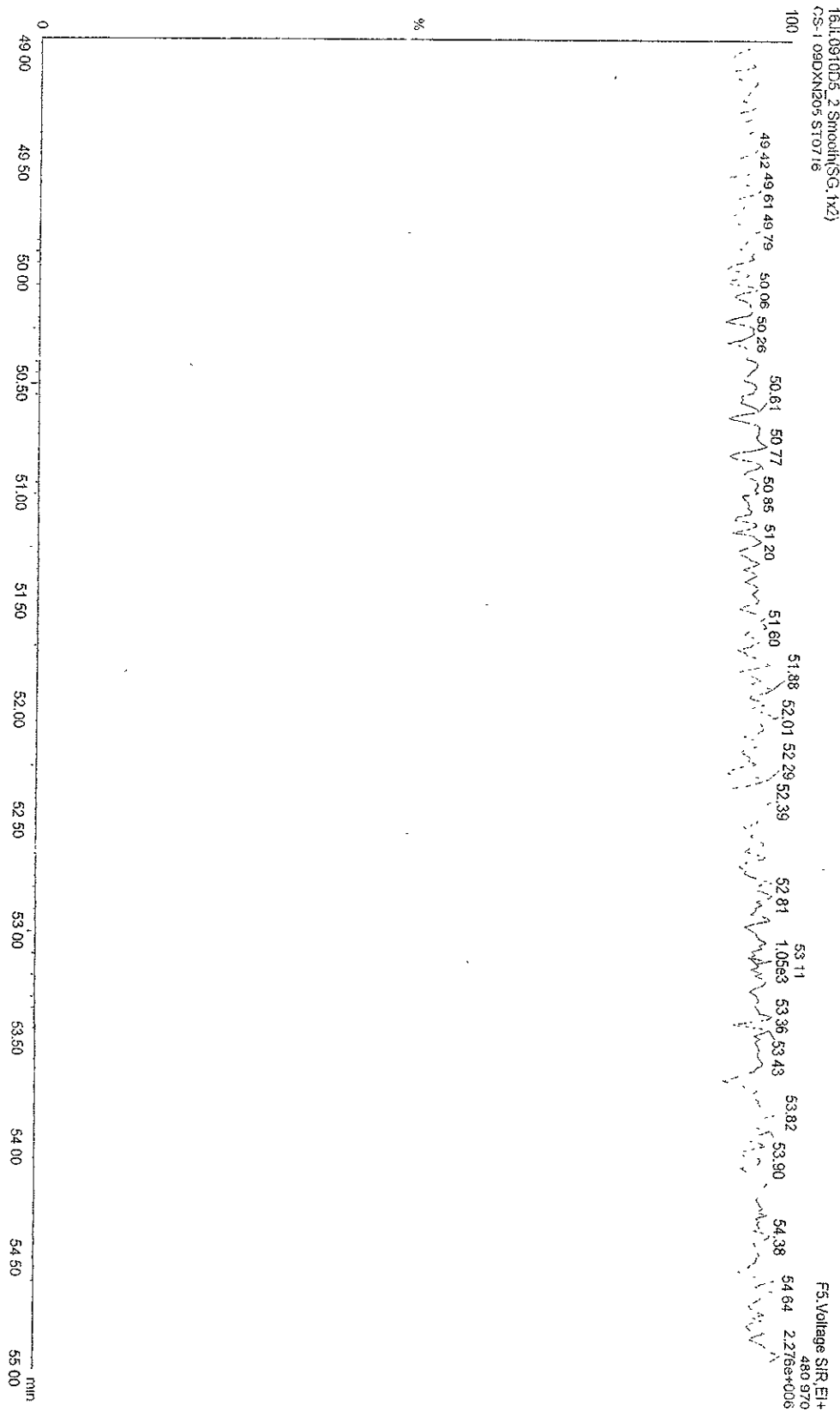
Dataset:      C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:56, ID: ST0716, Description: CS-1 09DXN205

Function 5 PPK  
 16JL0910D5\_2 Smooh\SG\_1(x2)  
 CS-1 09DXN205 ST0716



Quantity Sample Report

iMassLynx 4.1

Page 9 of 40

Dataset: C:\MassLynx\Default\proj\CA0716200910D51668M\SLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

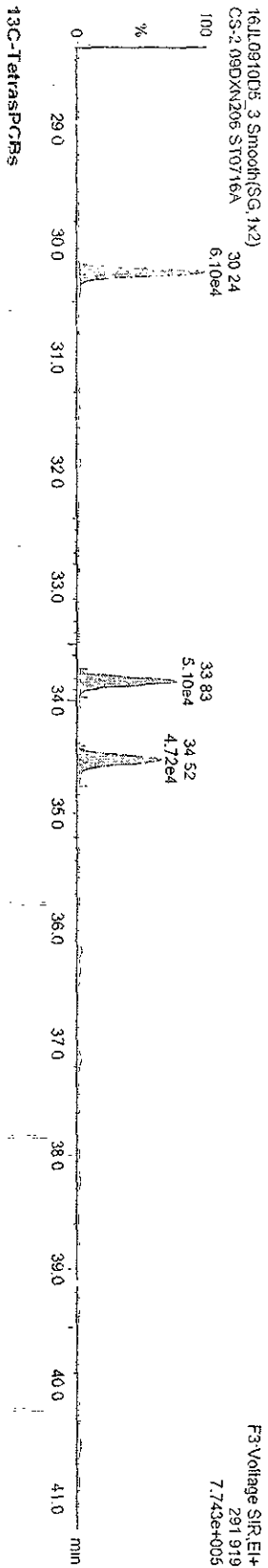
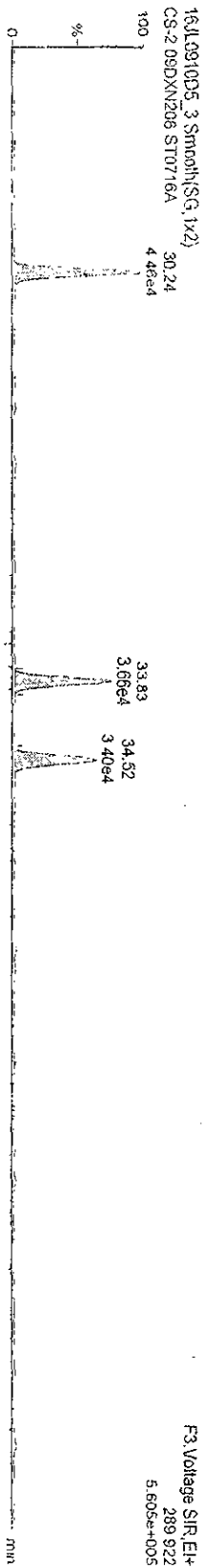
Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

Dataset C:\Masslynx\Default\prol\CA0716200910D51668MSLDEC.qld

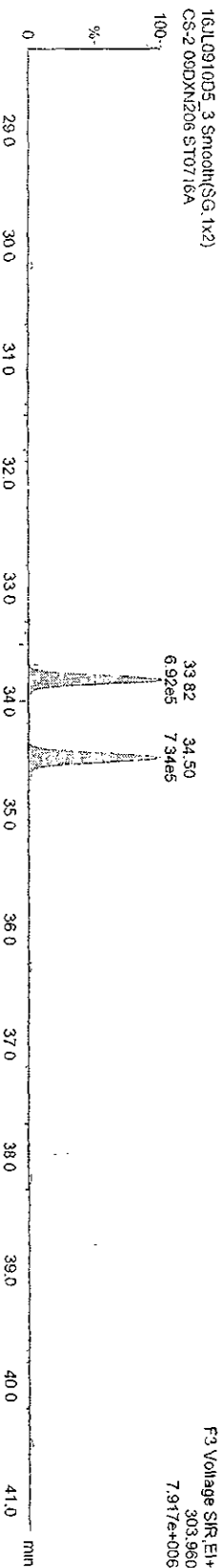
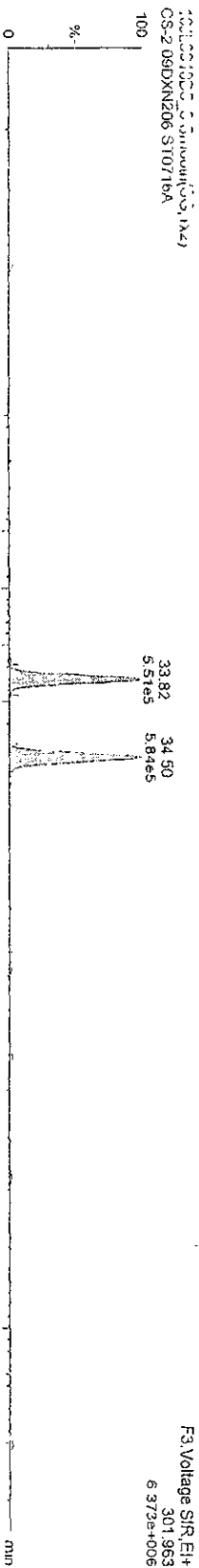
Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

TetraPCBs



13C-TetrakisPCBs

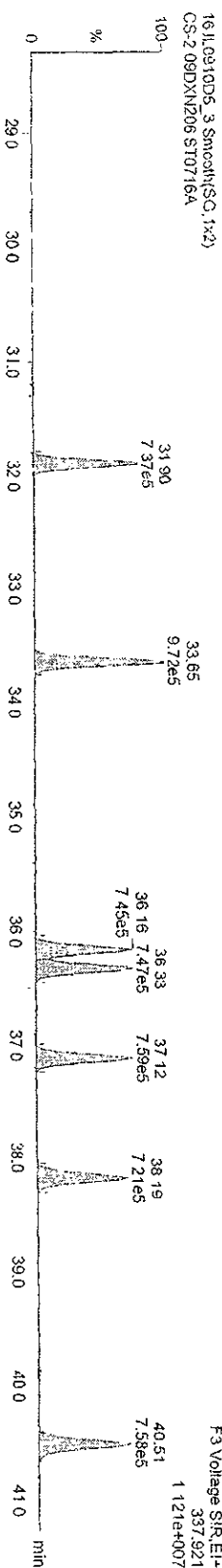
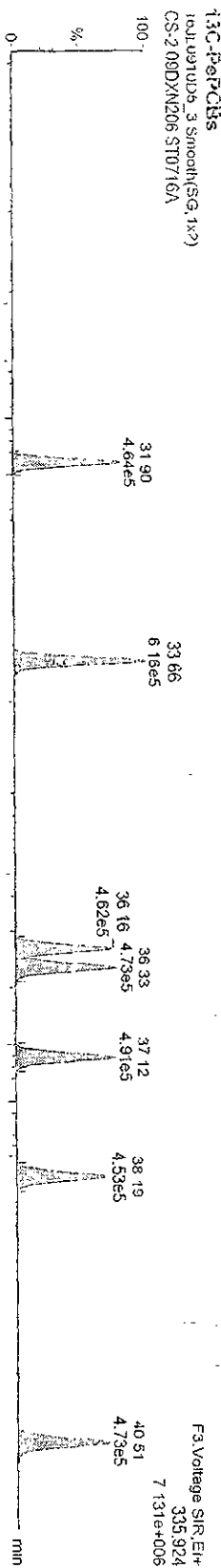
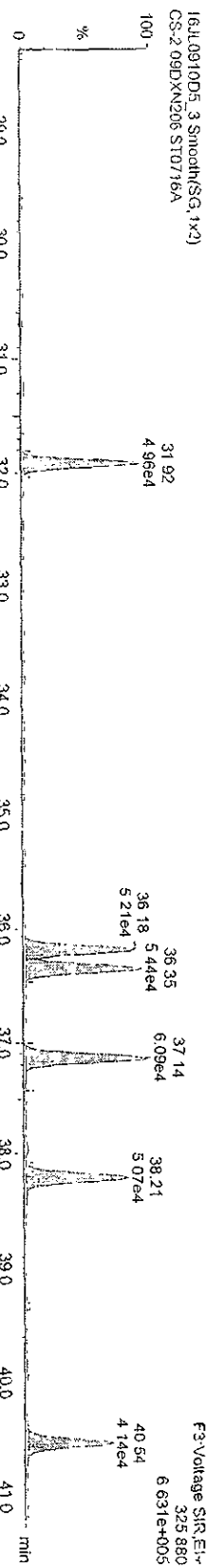
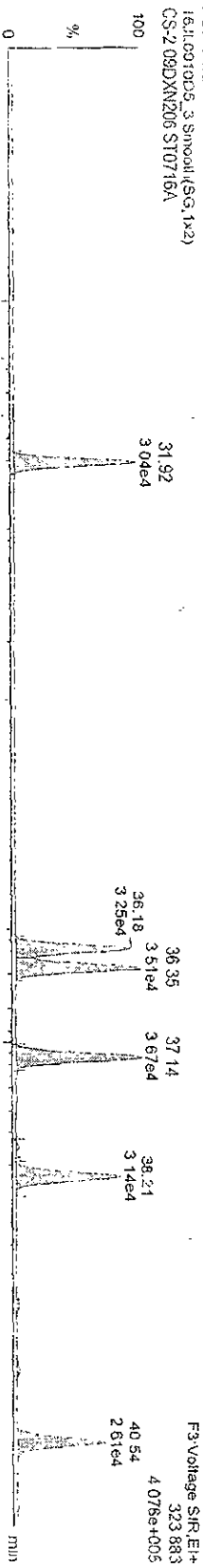


Dataset C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

PePCRs



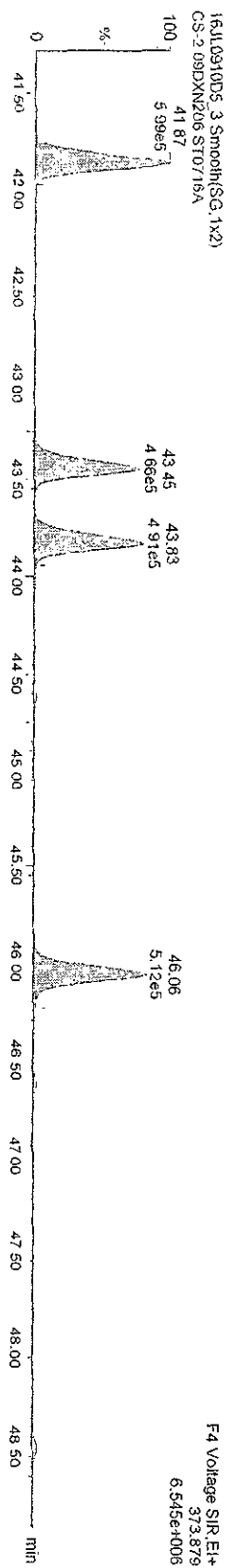
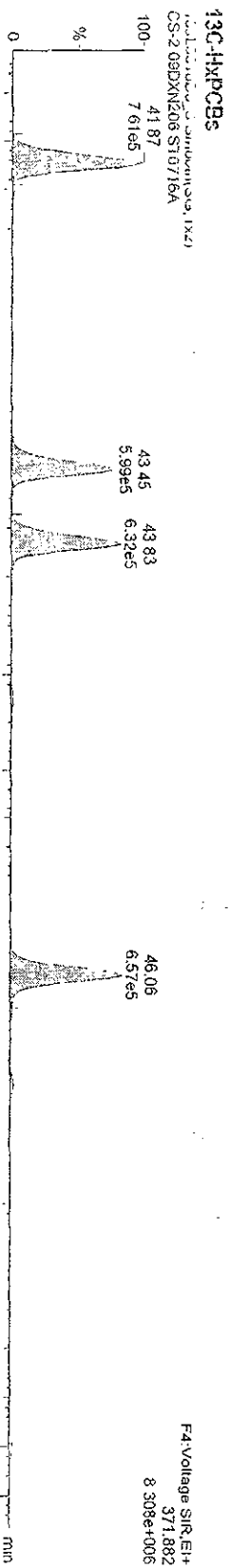
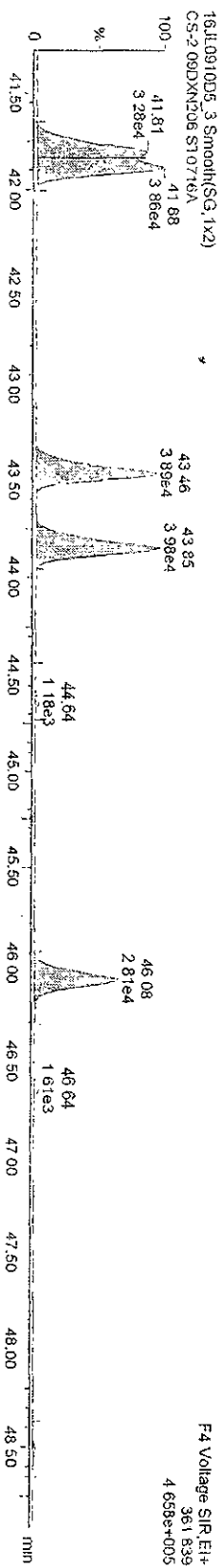
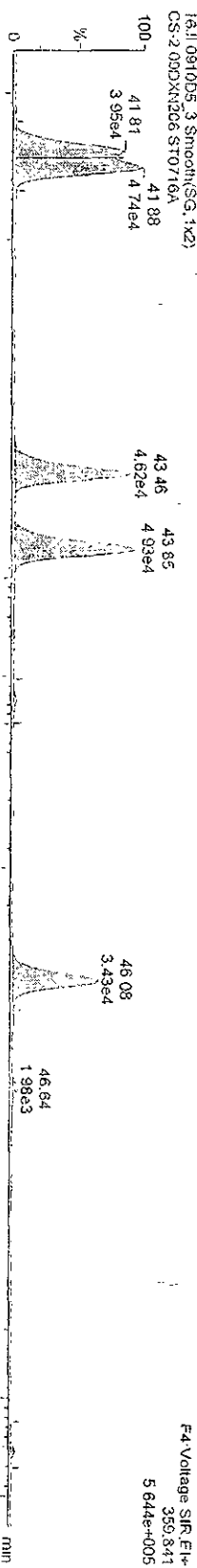
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Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

HYPCBS-



Dataset C:\MassLynx\Default\proj\CA0716200910D51668M\SLDEC.qid

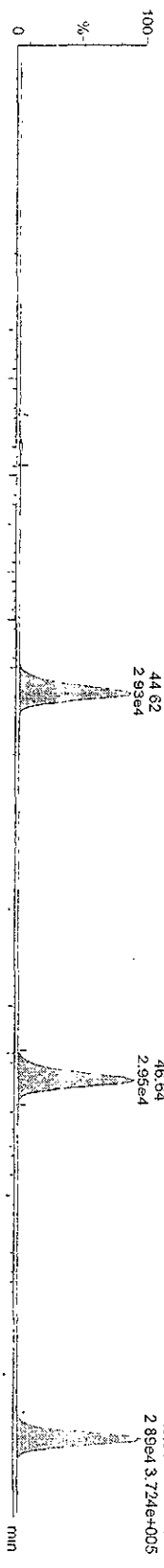
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

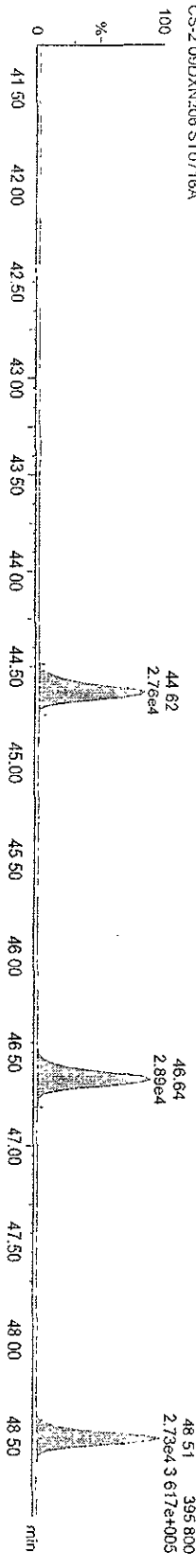
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HPLC

16JL0910D5\_3.SMOOTH(SG, 1x2)  
CS-2 09DXN206 ST0716A

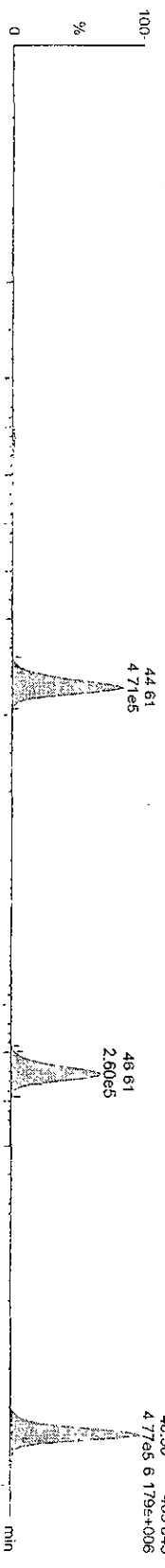


16JL0910D5\_3.SMOOTH(SG, 1x2)  
CS-2 09DXN206 ST0716A

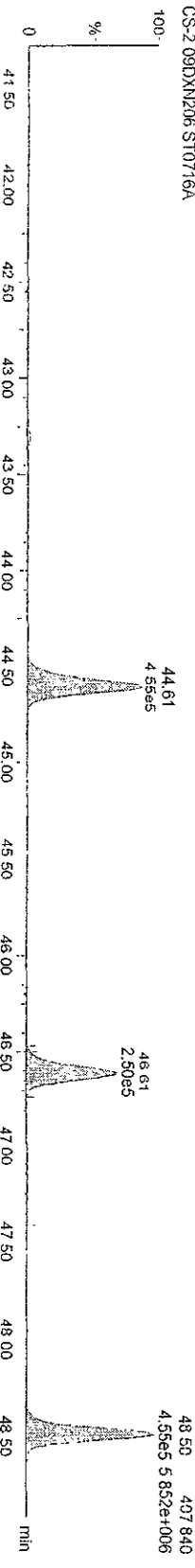


13C-HPLC

16JL0910D5\_3.SMOOTH(SG, 1x2)  
CS-2 09DXN206 ST0716A



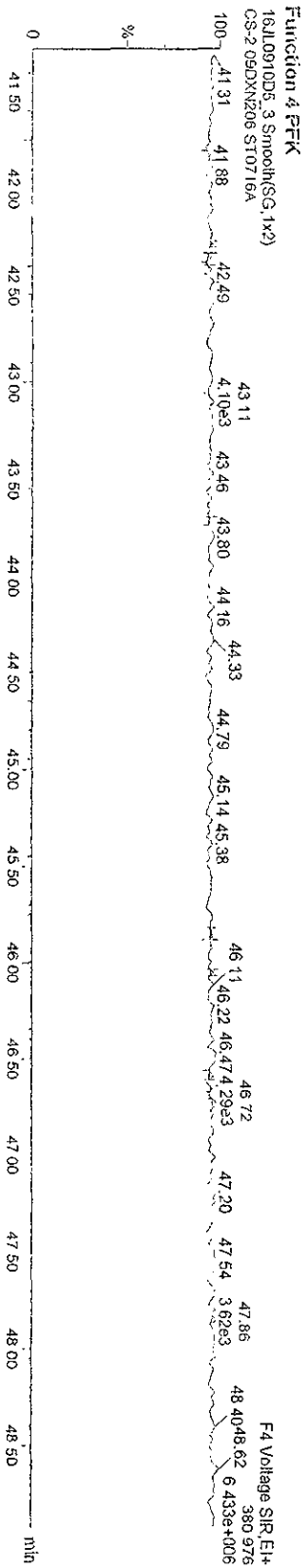
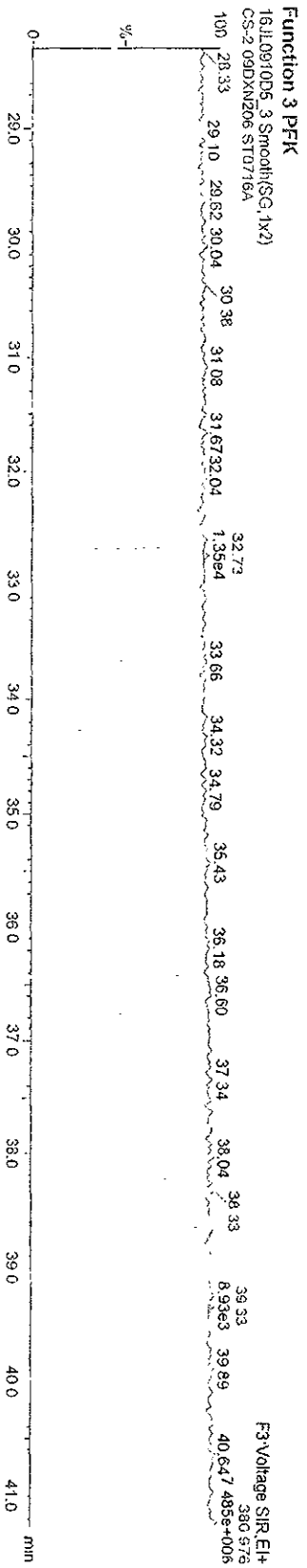
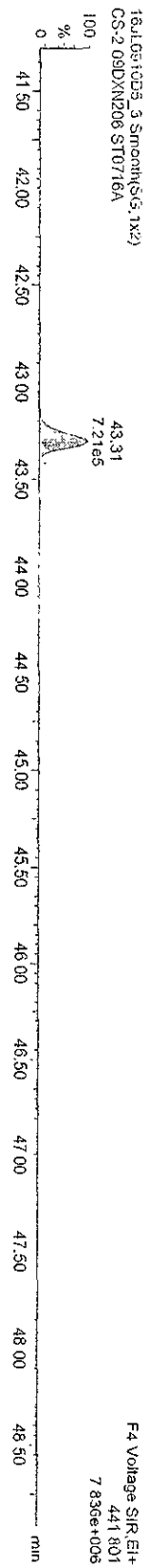
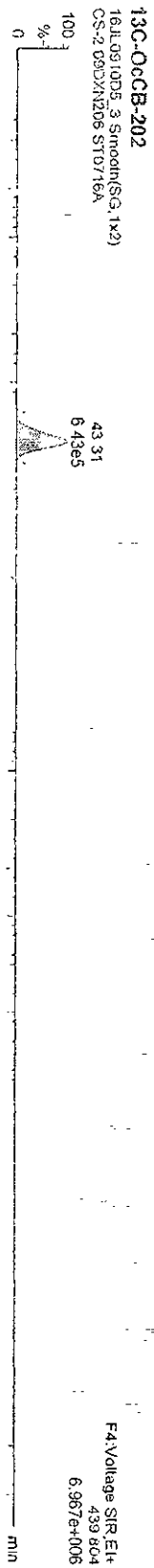
16JL0910D5\_3.SMOOTH(SG, 1x2)  
CS-2 09DXN206 ST0716A



Dataset: C:\Masslynx\Default\prof\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206



Quantity Sample Report

MassLynx 4.1

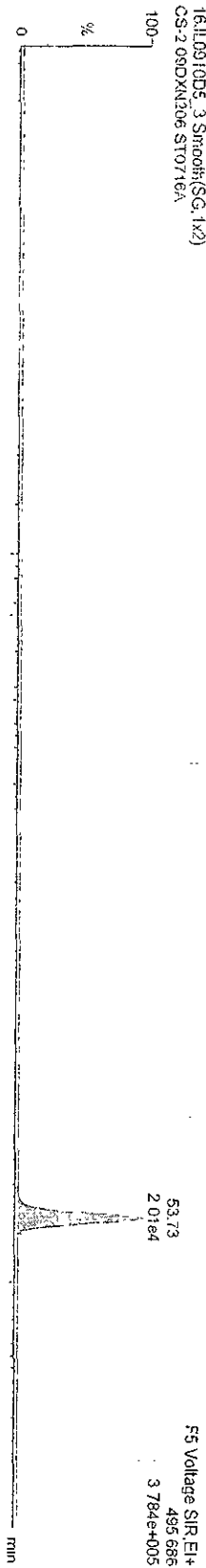
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Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

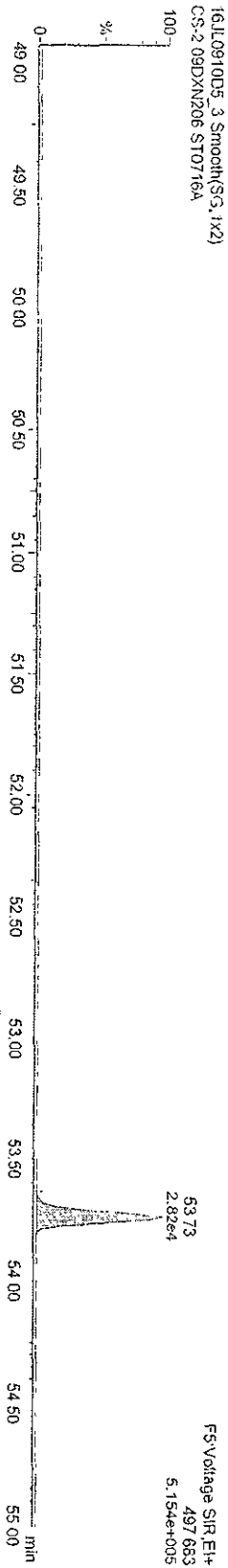
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DecB-209

16Jul0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A

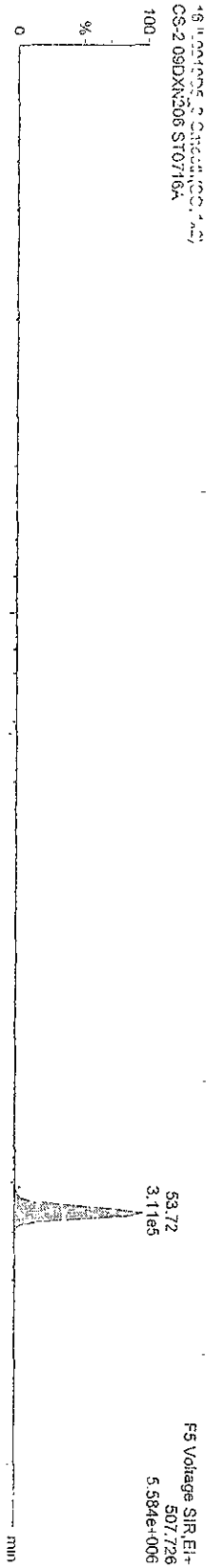


16Jul0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A

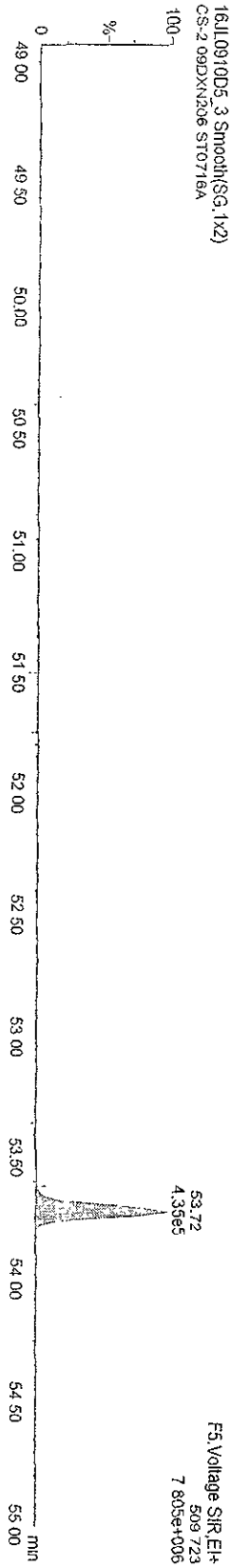


13C-DecB-209

16Jul0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A



16Jul0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A





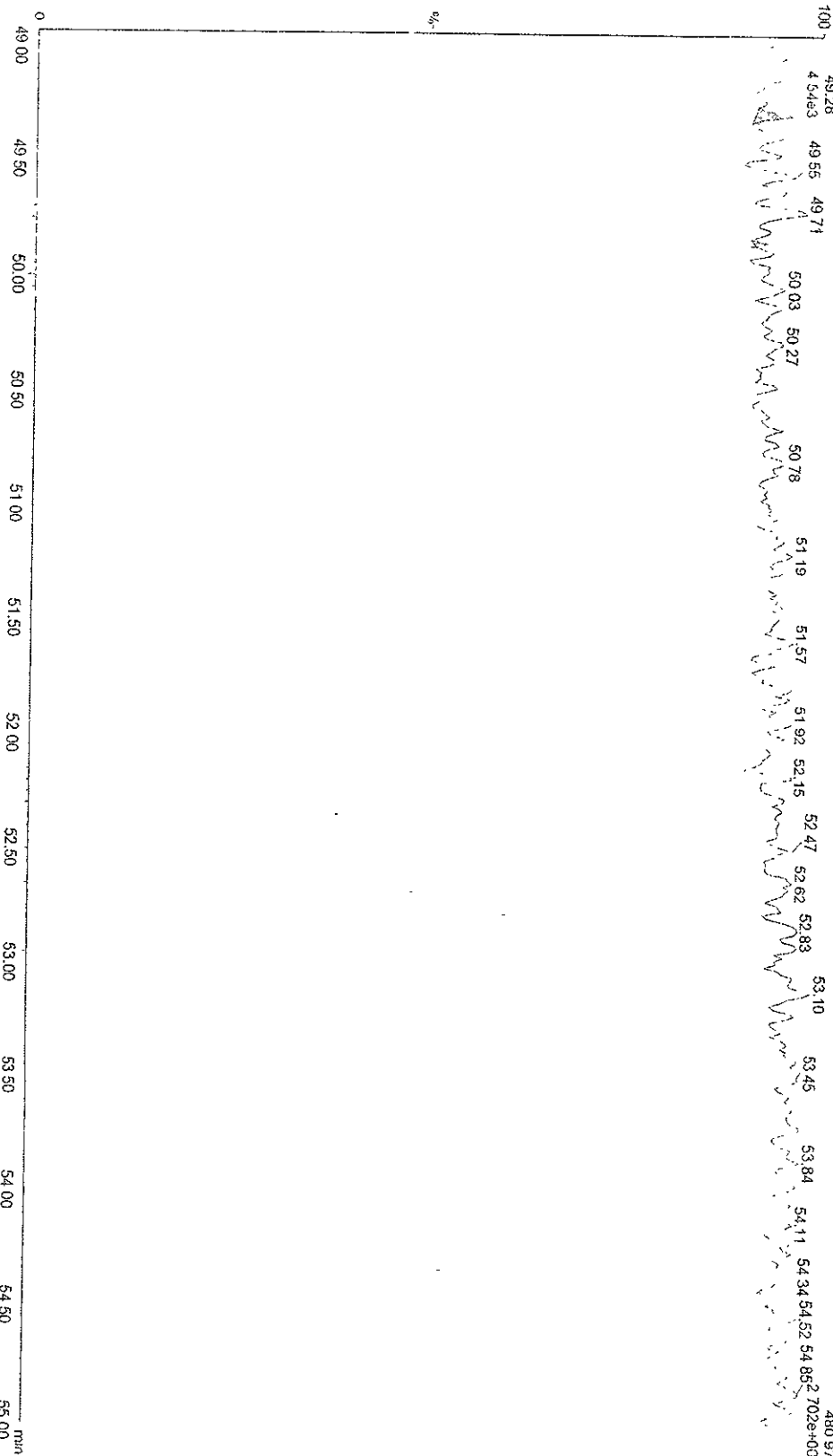
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16-LJL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

Function 5 PFK

16-LJL0910D5\_3 Smcath(SG,1x2)  
CS-2 09DXN206 ST0716A



Quantity Sample Report      MasSLynx 4.1

Page 17 of 40

Dataset      C:\MasSLynx\Default\proj\CA0716200910D51668MSLDEC.qld

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Printed          Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

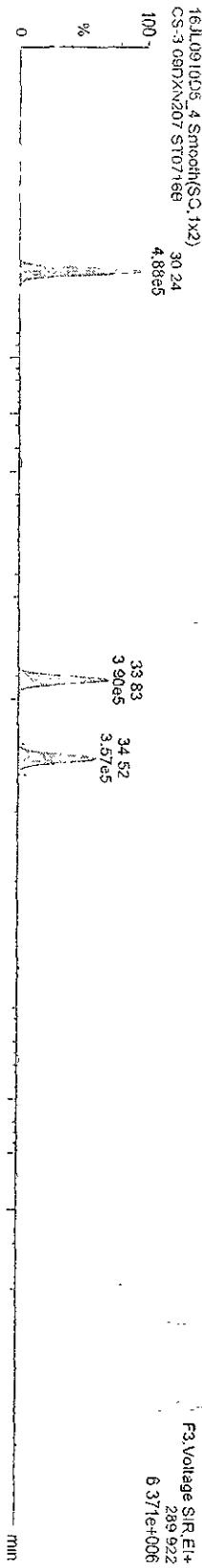
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Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qid

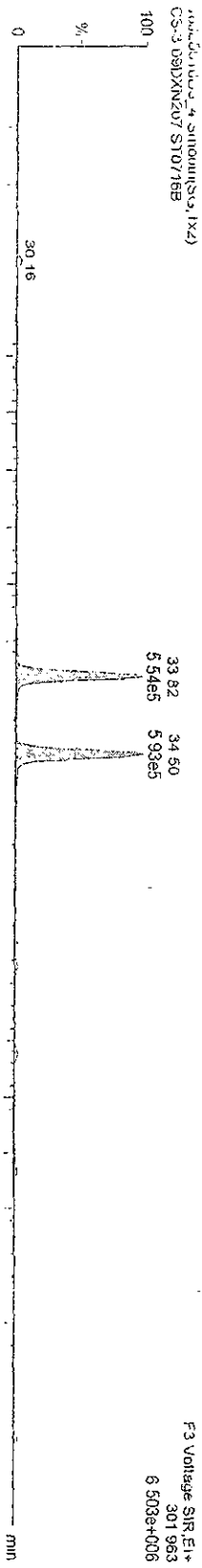
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

TetraPCBs



13C-TetraPCBs



16JL0910D5\_4 Smooth(SG, 1x2)

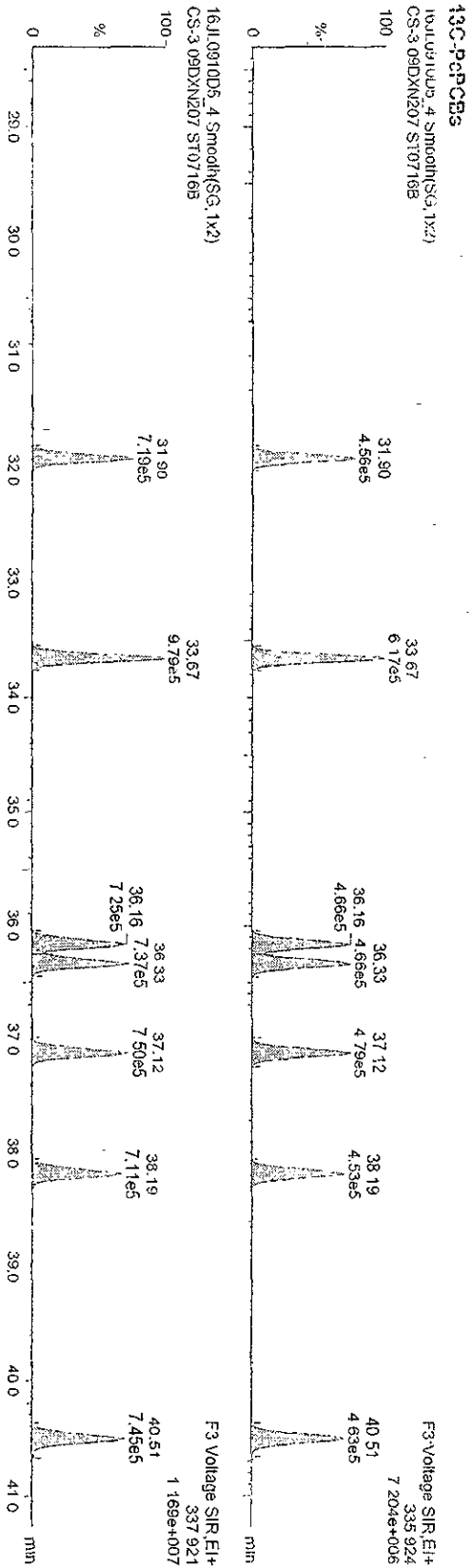
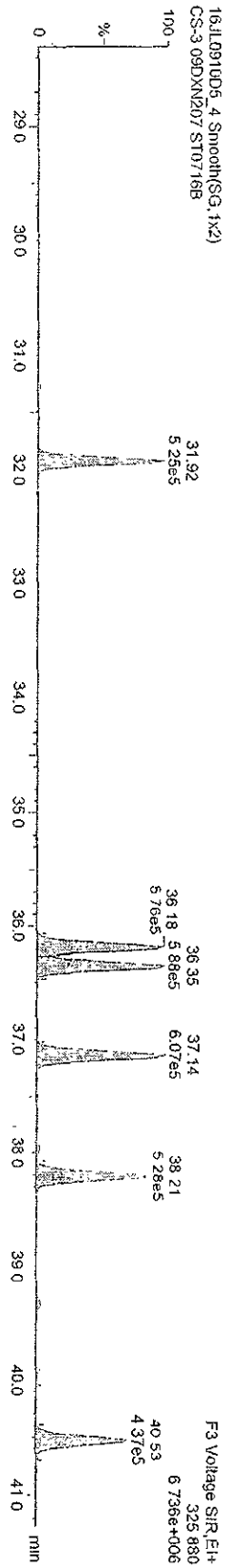
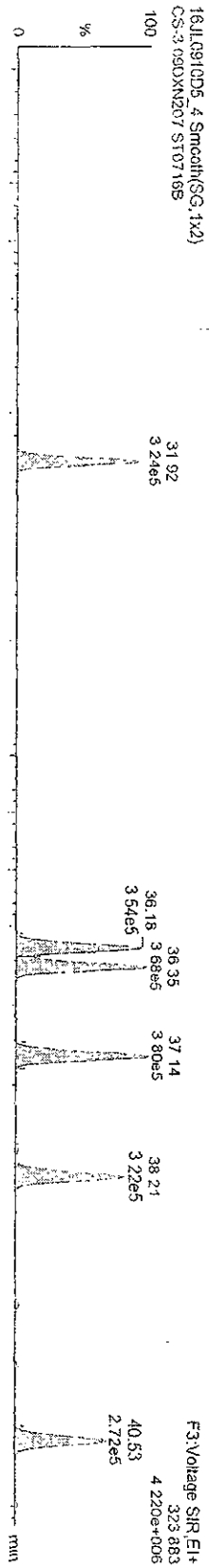


Dataset C:\MassLynx\Default\proj\CA0716200910D61668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

**PePCBs**

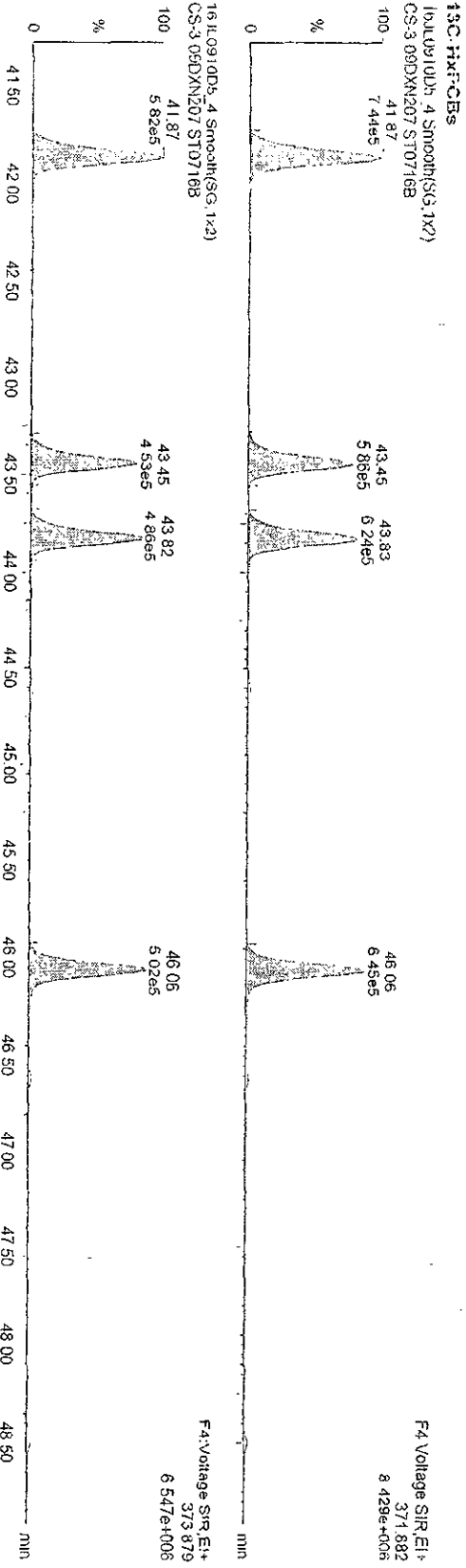
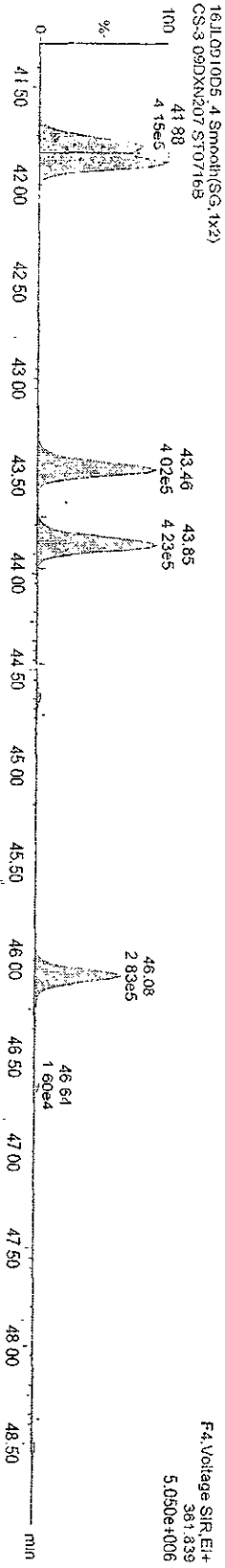
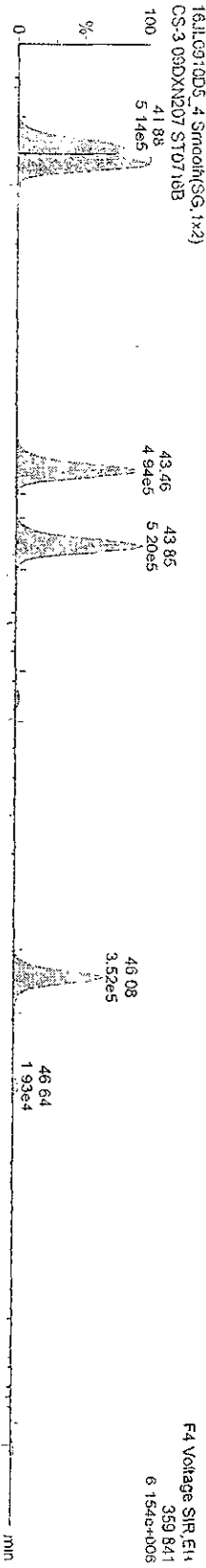


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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

HXPCES-



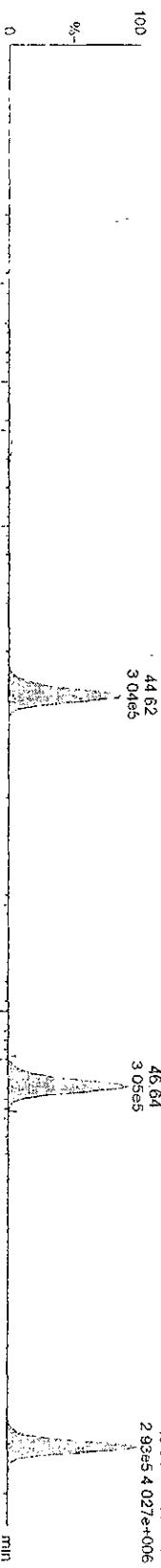
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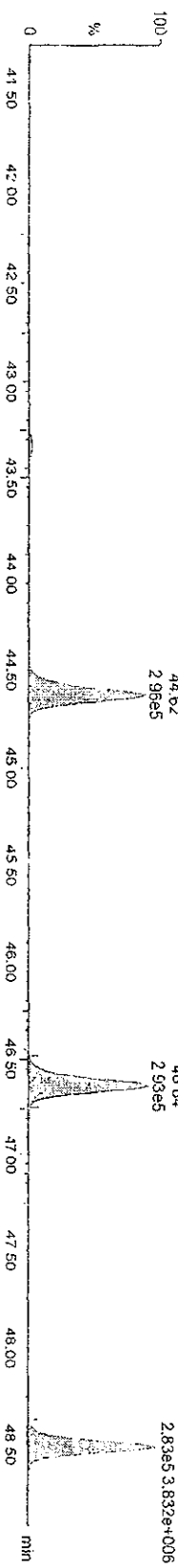
Name: 16.LJ0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3-09DXN207

HPPCBs

16.LJ0910D5\_4 Smoothing(SG, 1x2)  
CS-3-09DXN207 ST0716B

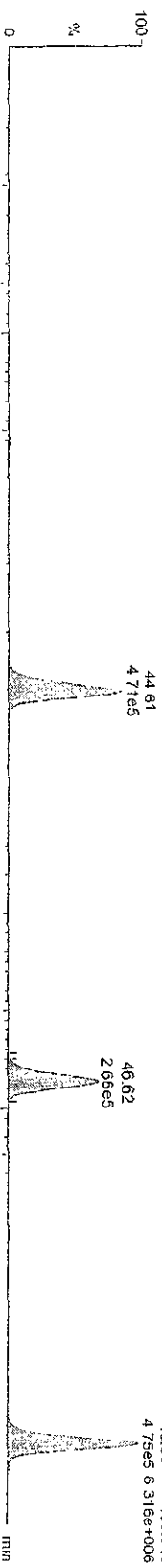


16.LJ0910D5\_4 Smoothing(SG, 1x2)  
CS-3-09DXN207 ST0716B

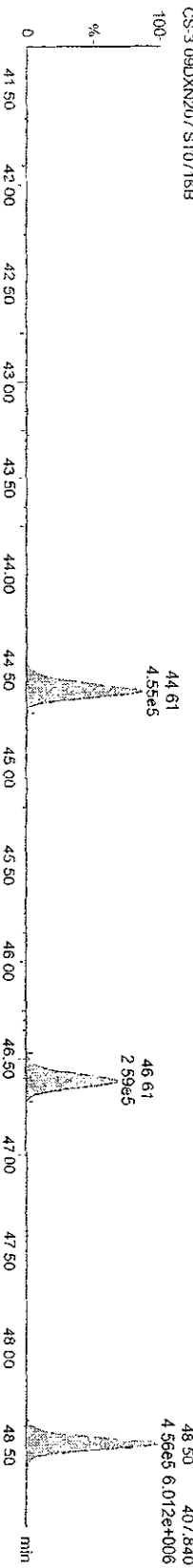


13C-HPPCBs

16.LJ0910D5\_4 Smoothing(SG, 1x2)  
CS-3-09DXN207 ST0716B



16.LJ0910D5\_4 Smoothing(SG, 1x2)  
CS-3-09DXN207 ST0716B



Dataset C:\MassLynx\Default\prof\CA0716200910D51668MSLDEC.qld

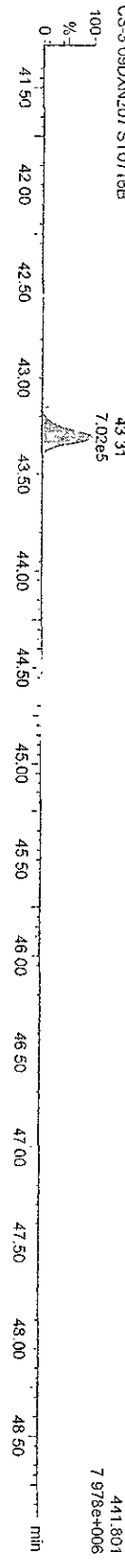
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Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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13C-OcCB-202



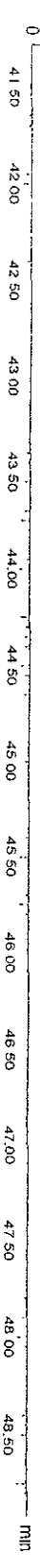
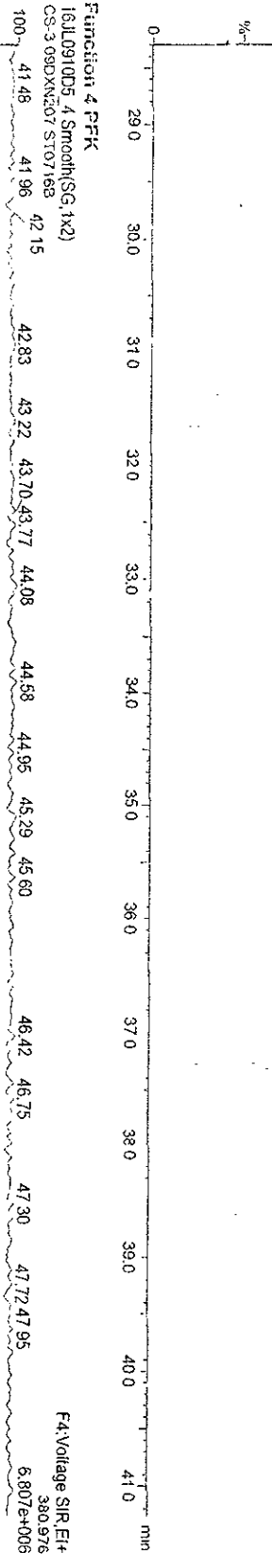
16.LL0910D5\_4 Smooth(SG, 1x4)  
CS-3 09DXN207 ST0716B



Function 3 PFK



Function 4 PFK



Dataset: C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC.qld

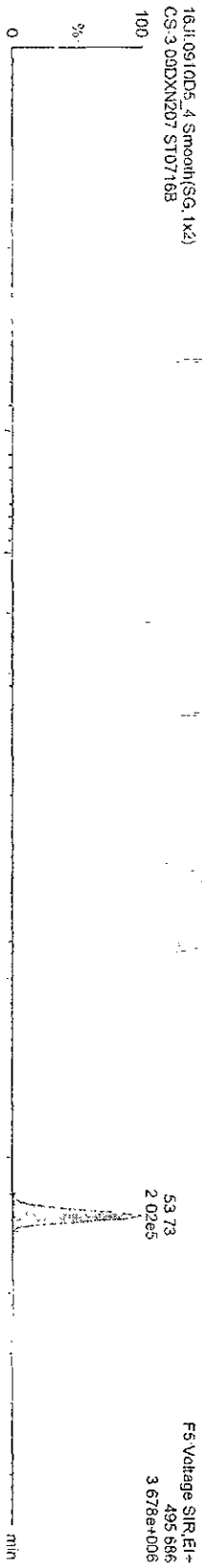
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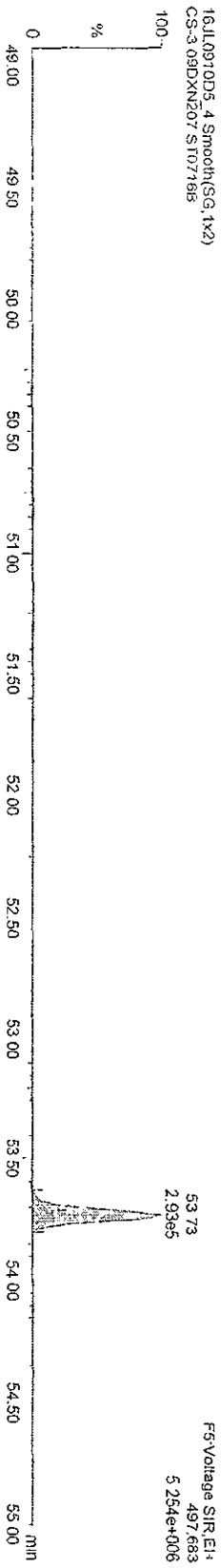
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DecB-209

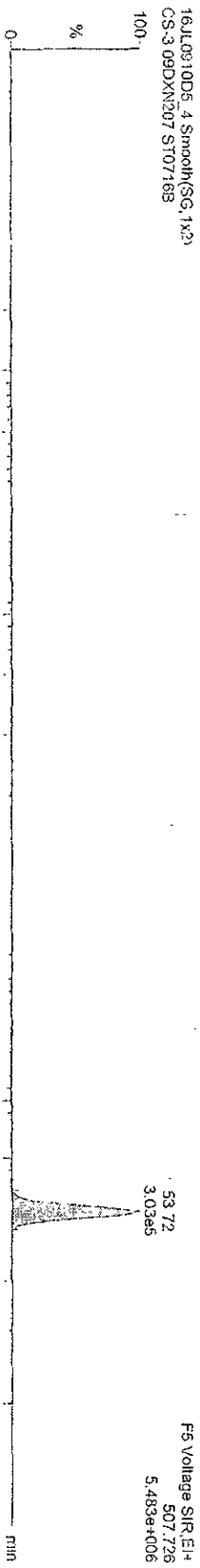
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B



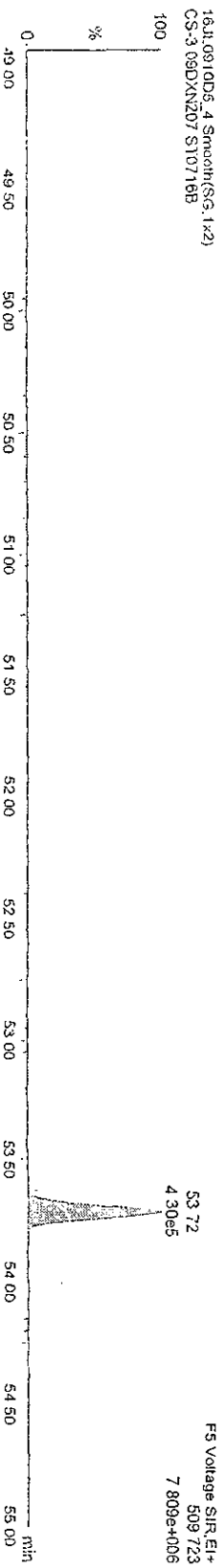
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B



13C-DecB-209  
16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B



16JL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B





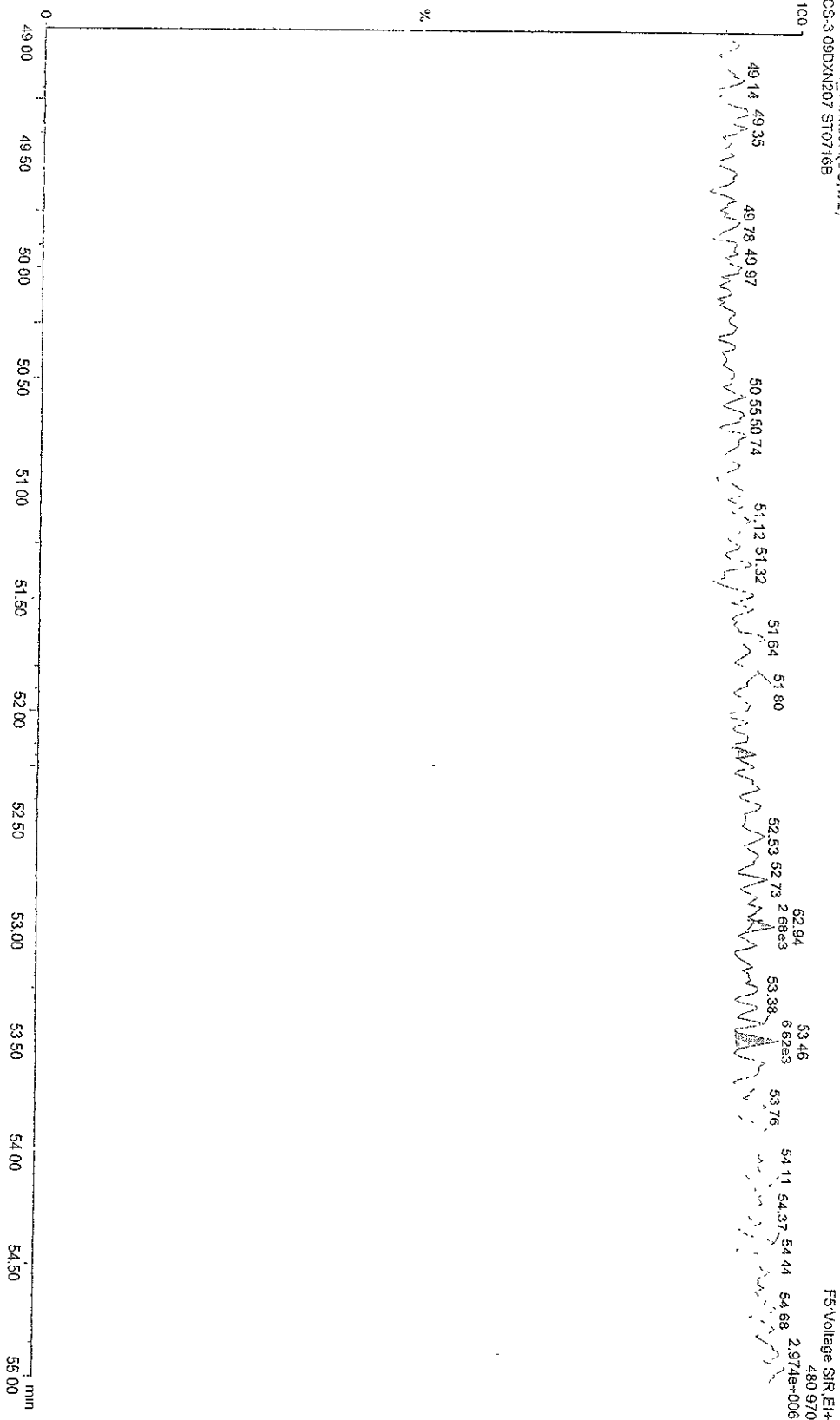
Quantity Sample Report MassLynx 4.1

Dataset C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC.qld

Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

Function 5 PFK  
16JL0910D5\_4.Smooth(SG, 1x2)  
CS-3 09DXN207 ST0716B



Quantity Sample Report

MassLynx 4.1

Dataset C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

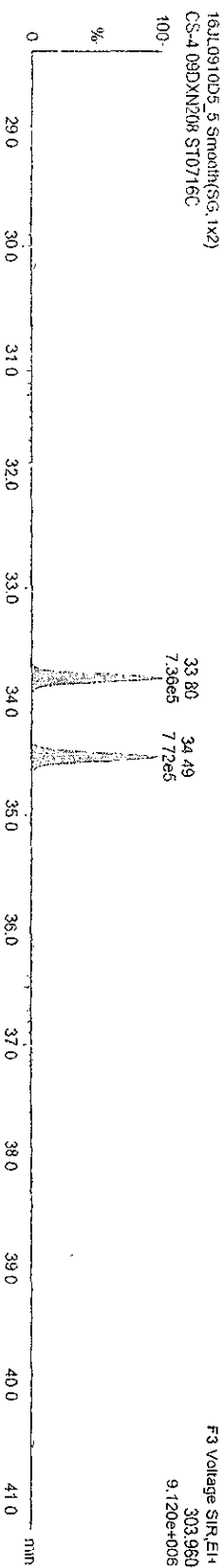
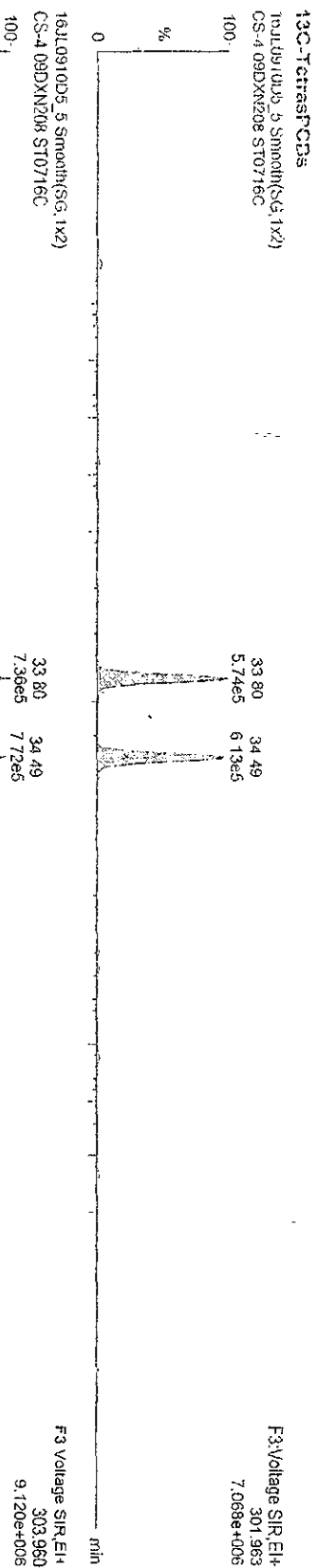
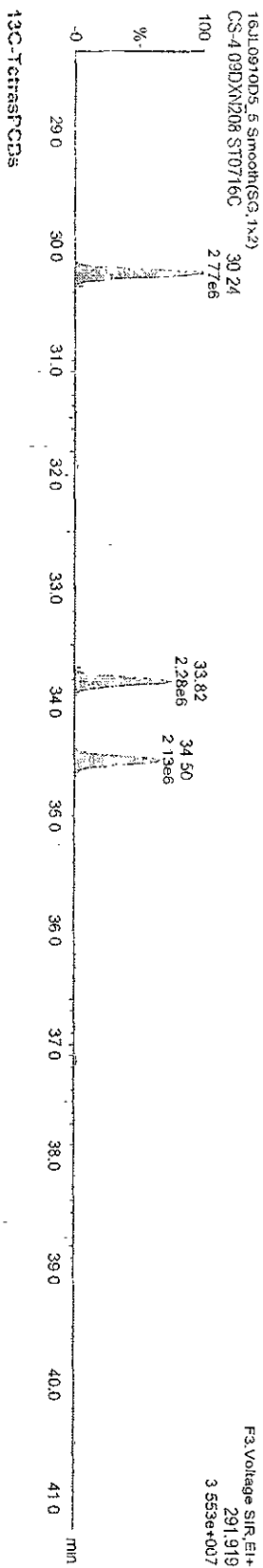
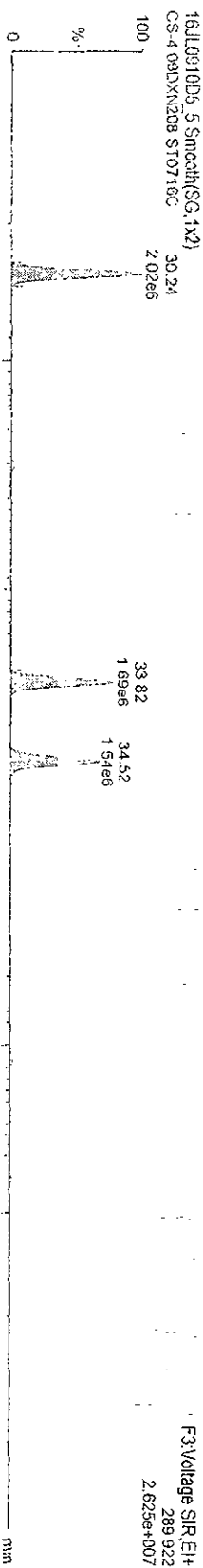
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Dataset C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

TetraPCBs

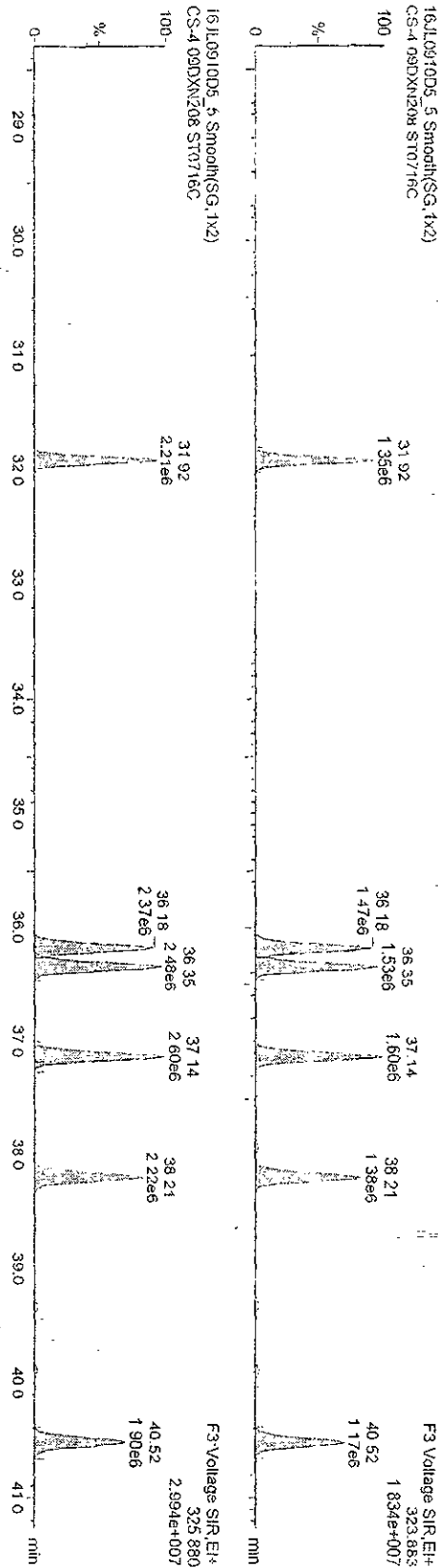


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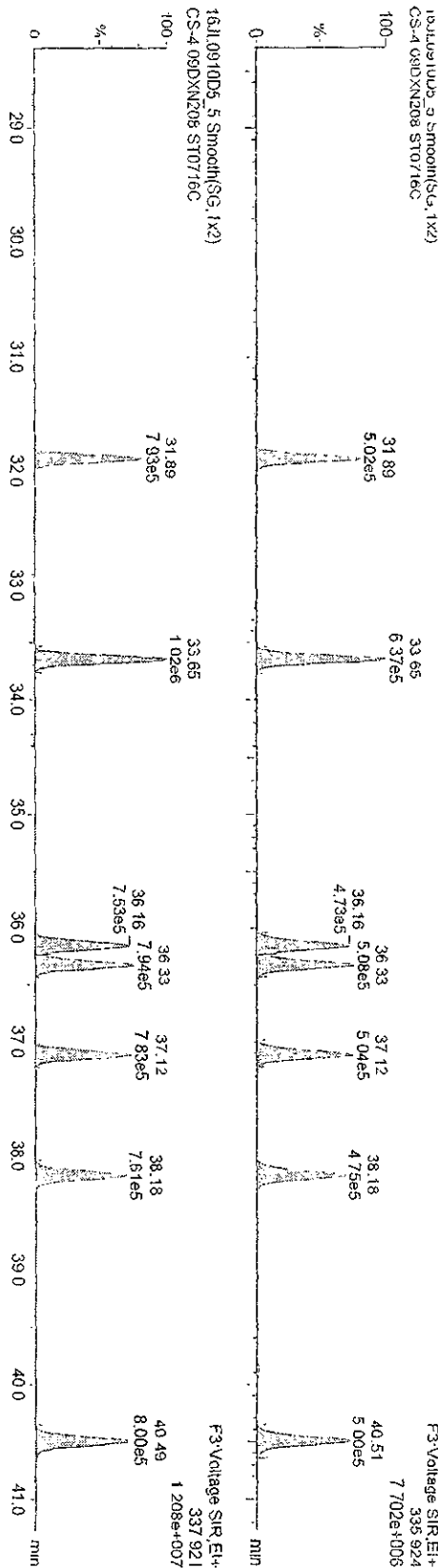
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

PePCBs



13C-PePCBs



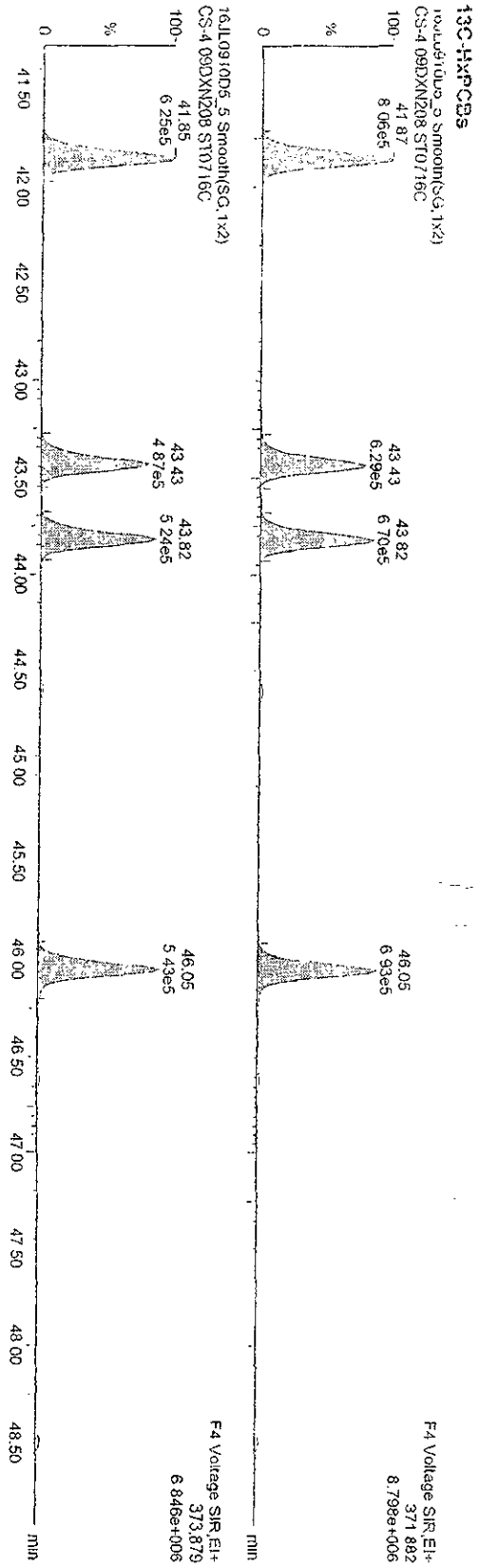
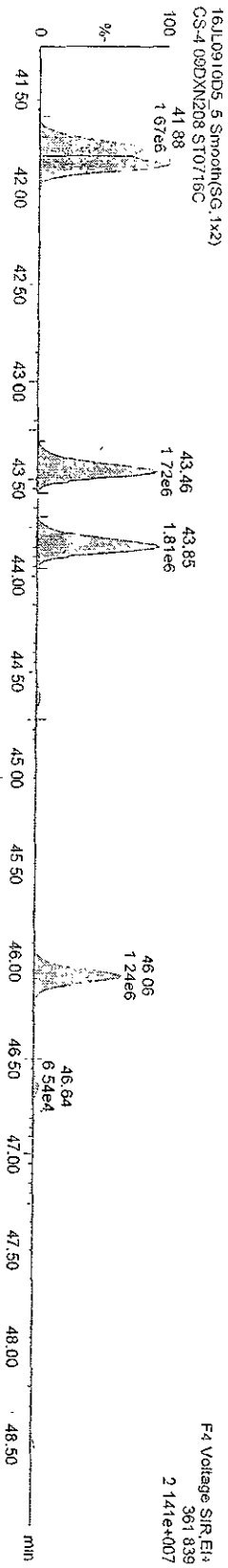
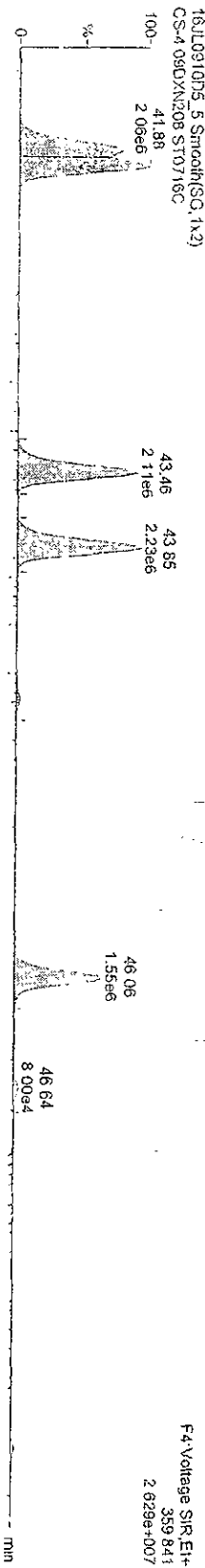
Dataset: C:\Masslynx\Default\proj\CA0716200910D51666\MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

HPCBs-



Dataset: C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

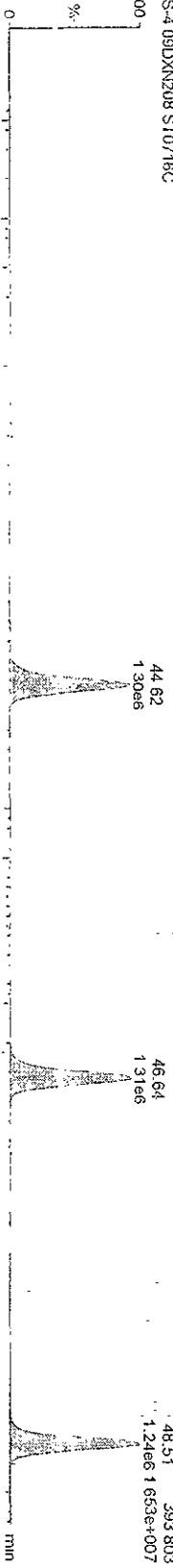
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4-09DXN208

H<sub>13</sub>C-HPICBs

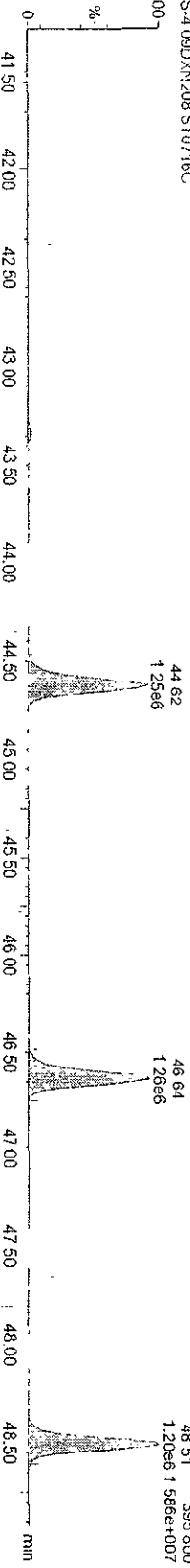
16JL0910D5\_5.Smooth(SG,1x2)

CS-4-09DXN208 ST0716C



16JL0910D5\_5.Smooth(SG,1x2)

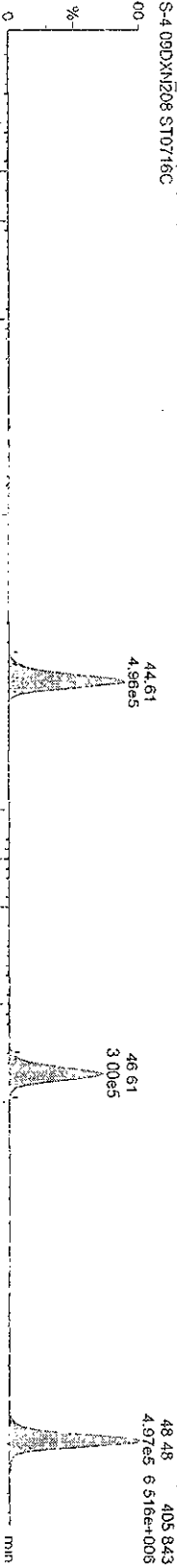
CS-4-09DXN208 ST0716C



<sup>13</sup>C-HPICBs

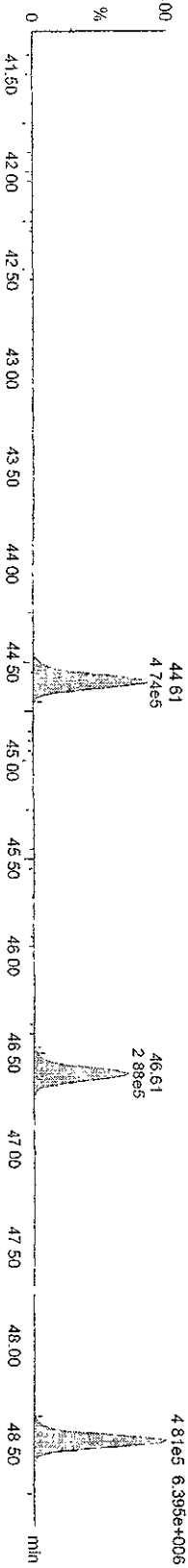
16JL0910D5\_5.Smooth(SG,1x2)

CS-4-09DXN208 ST0716C



16JL0910D5\_5.Smooth(SG,1x2)

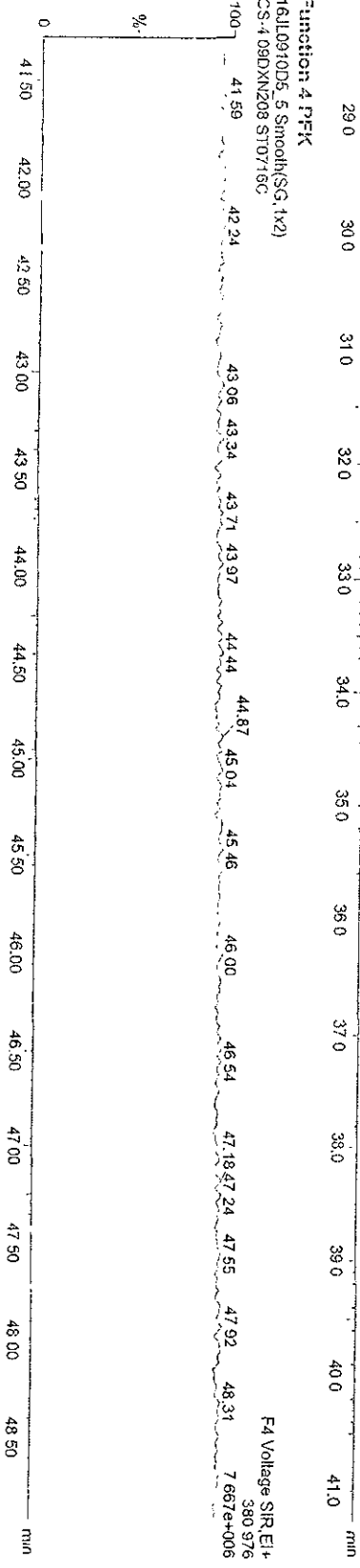
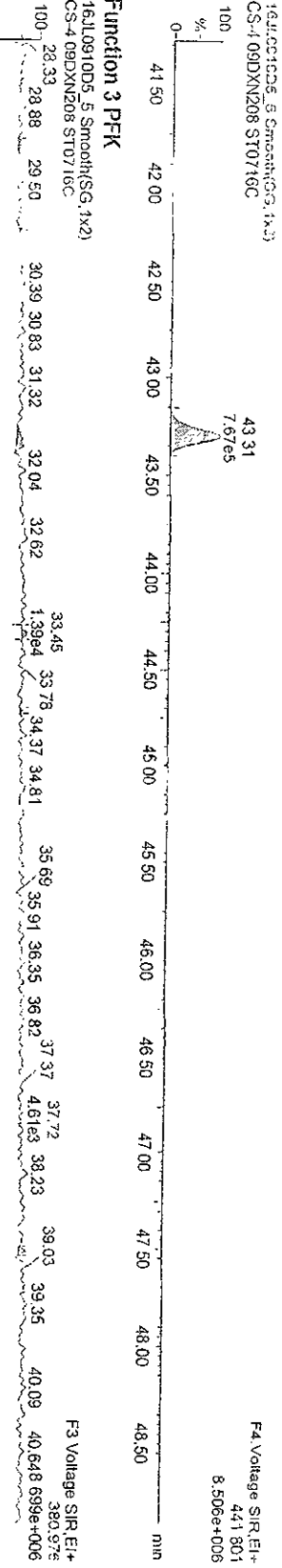
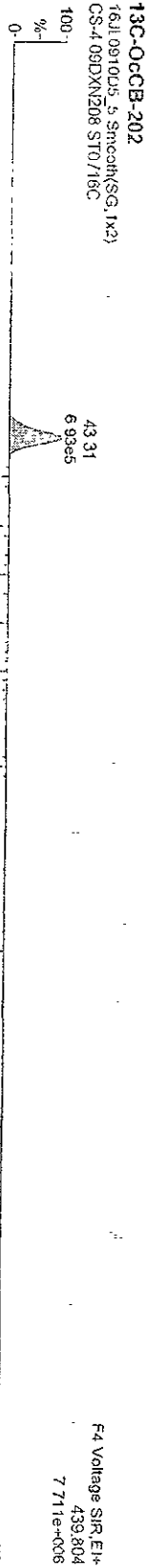
CS-4-09DXN208 ST0716C



Dataset C:MassLynxDefault\proj\CA0716200910D51668MSLDEC.qld

Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
 Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208



Dataset C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

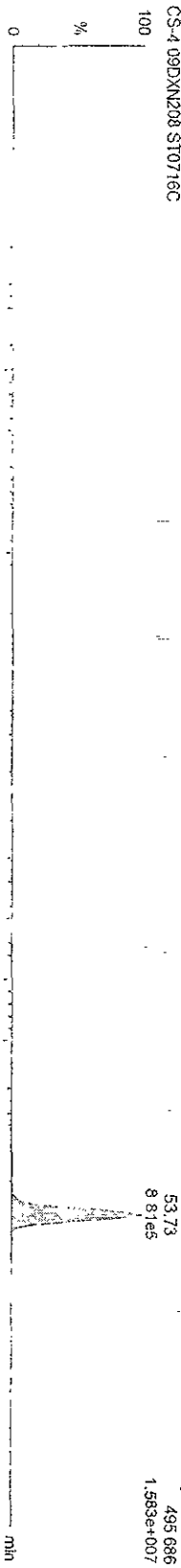
Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

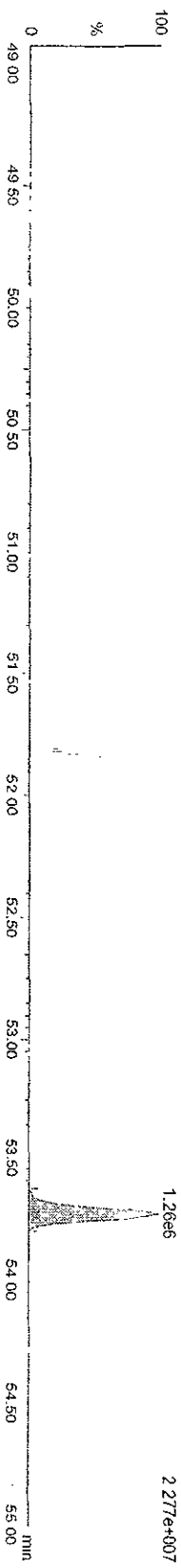
Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

DecB-209

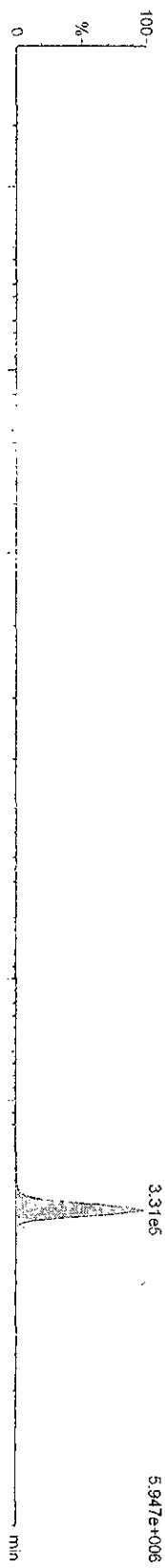
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



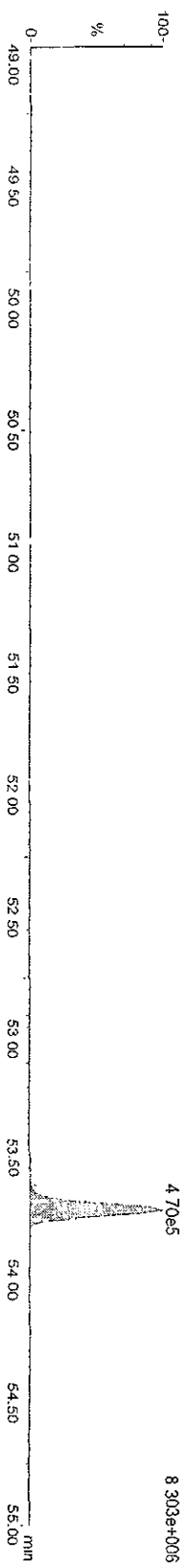
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



13C-DecB-209  
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C





Dataset C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

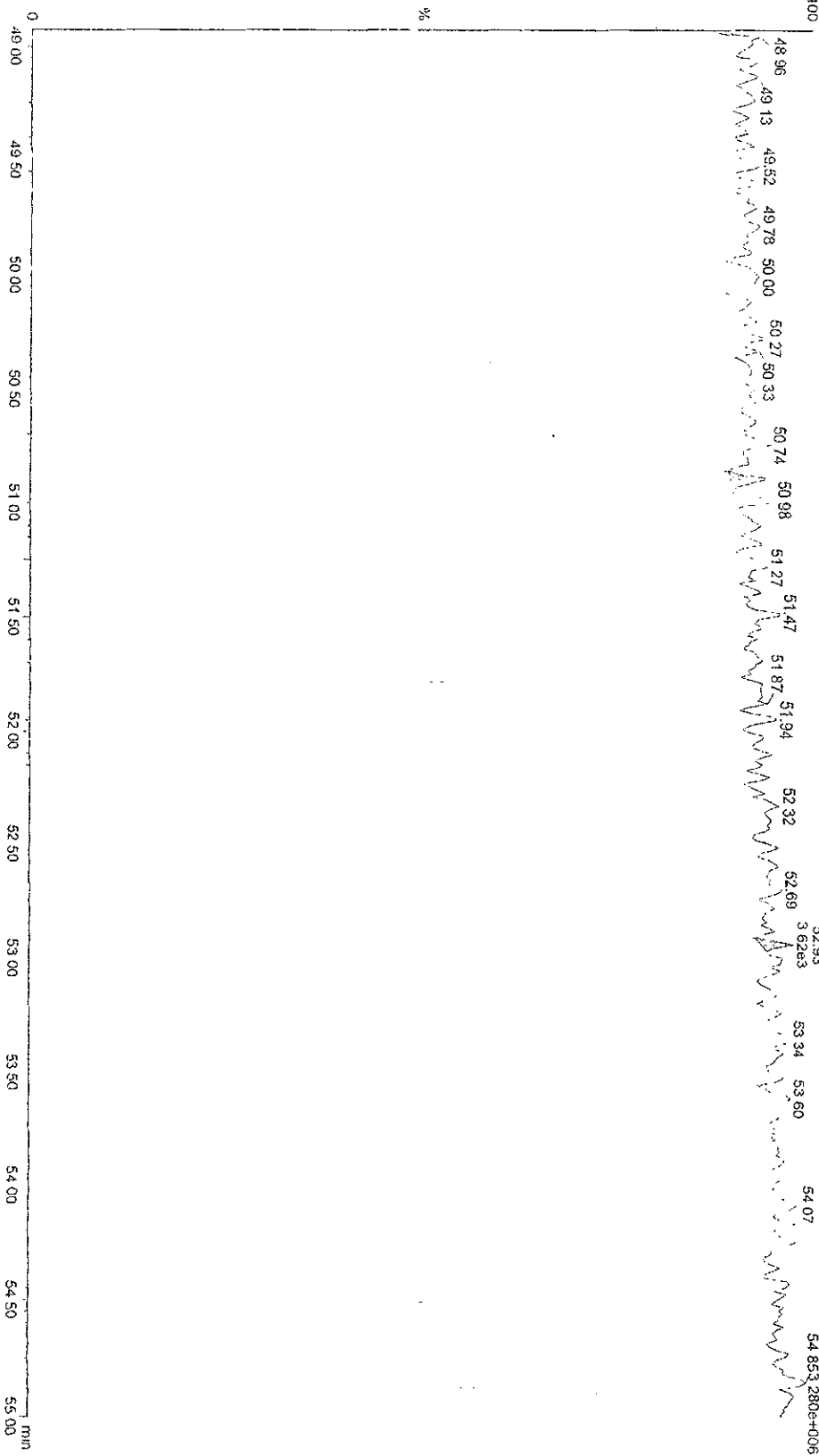
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.LJ0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

Function 5 PFK

16.LJ0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



Dataset:            C:\Masslynx\Default\proj\CA0716200910D51668\MSLDEC.qtd

Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed:            Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

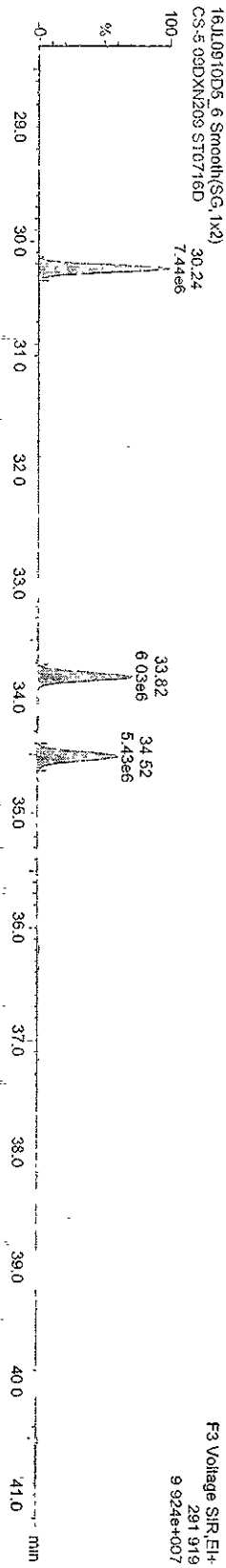
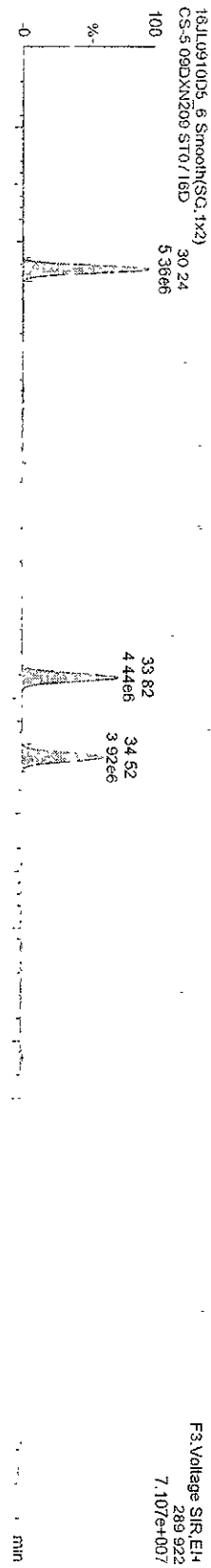
Name: 16-Jul-0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

Dataset: C:\MassLynx\Default\prof\CA0716200910D516S8MSLDEC.qld

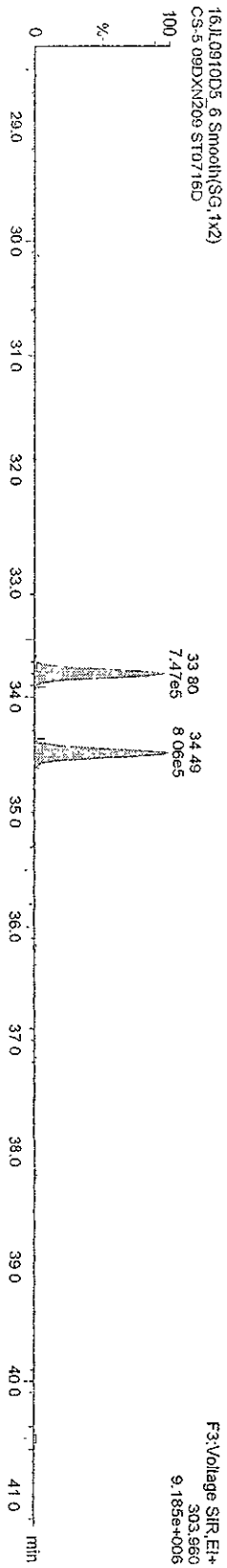
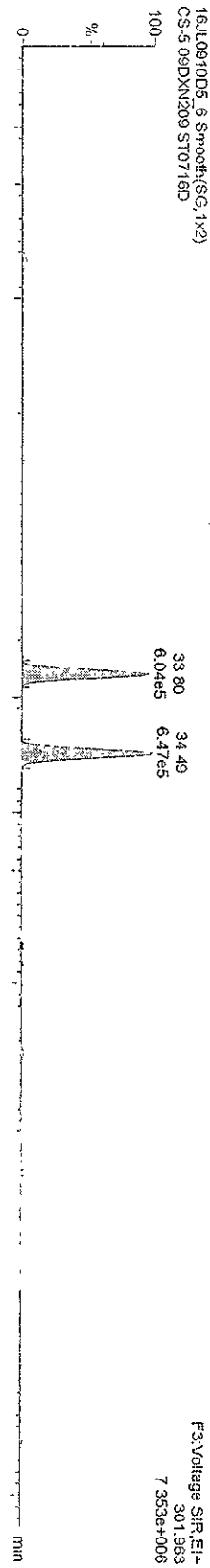
Last Altered Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

TetraPCBs



13C-TetraPCBs



Dataset C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC.qtd

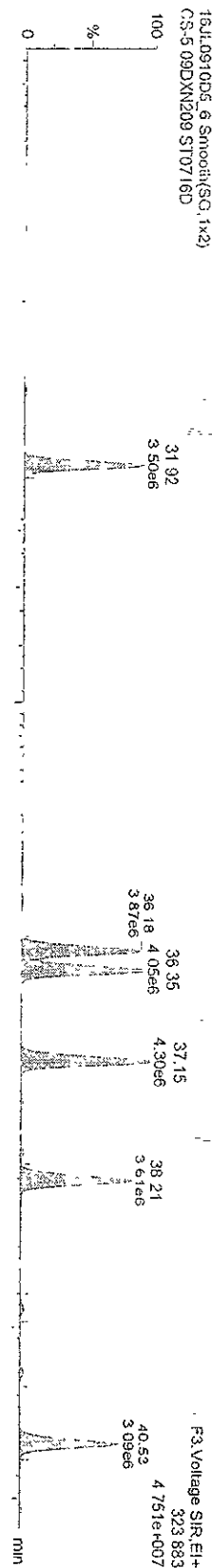
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

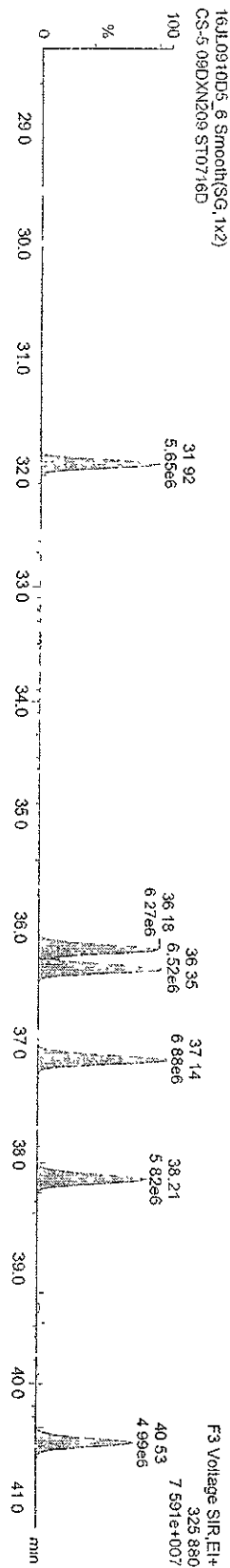
Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

PePCBs

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D

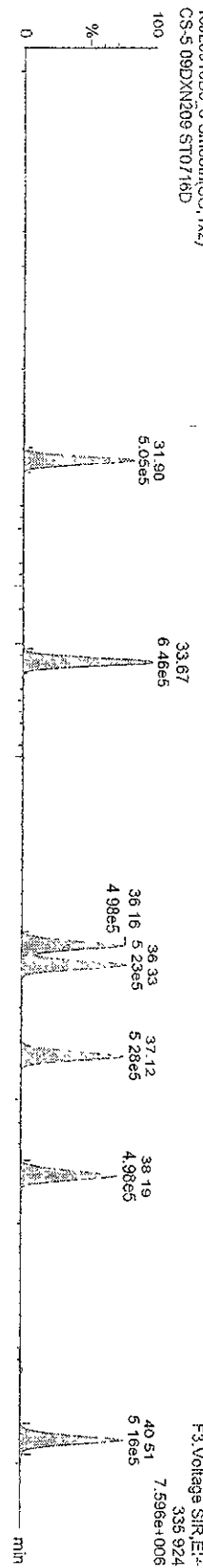


16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D

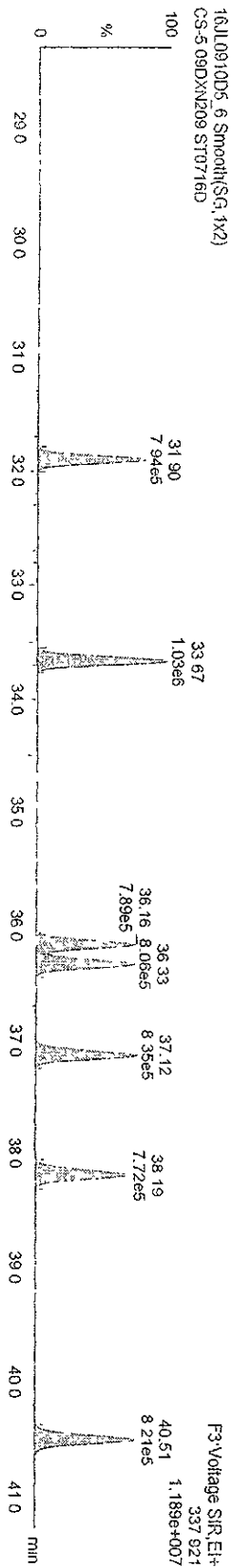


13C-PCBs

16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



16JL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



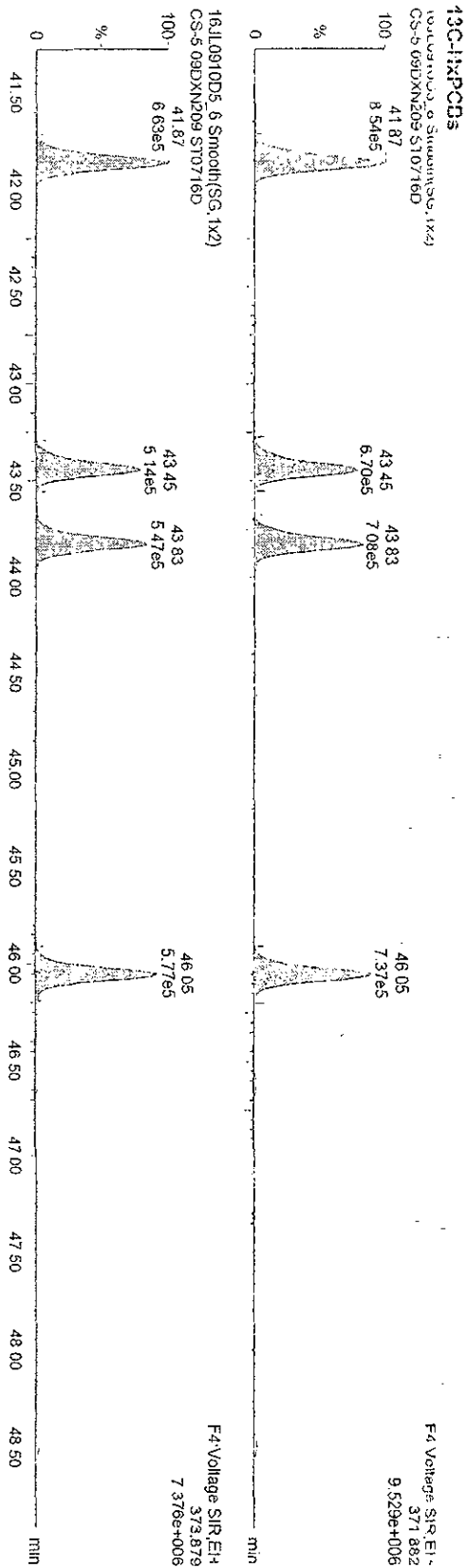
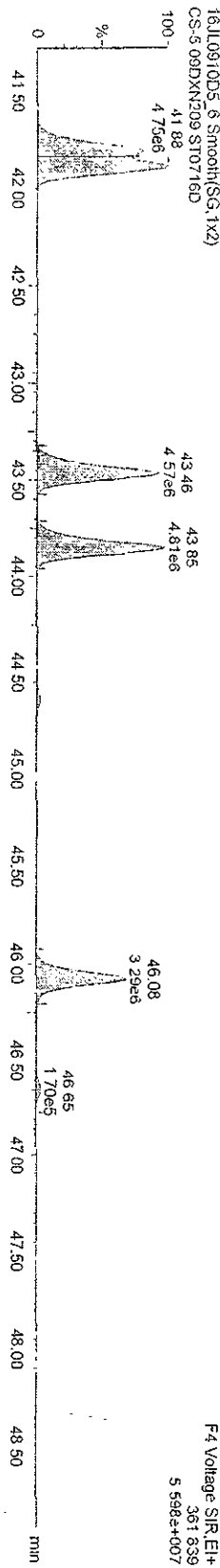
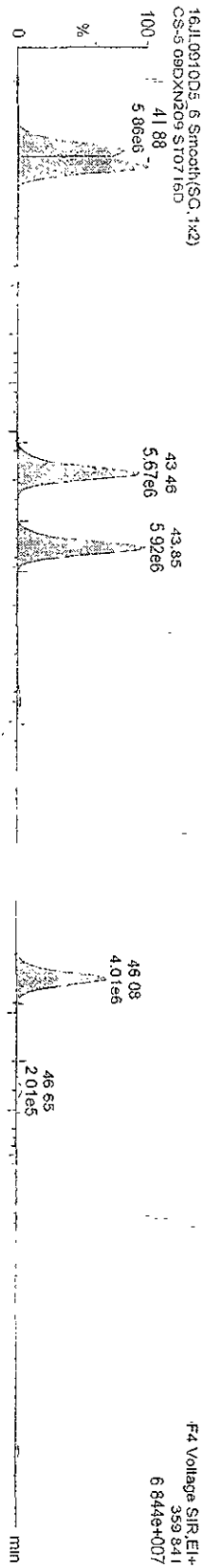
Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

HPCBs-

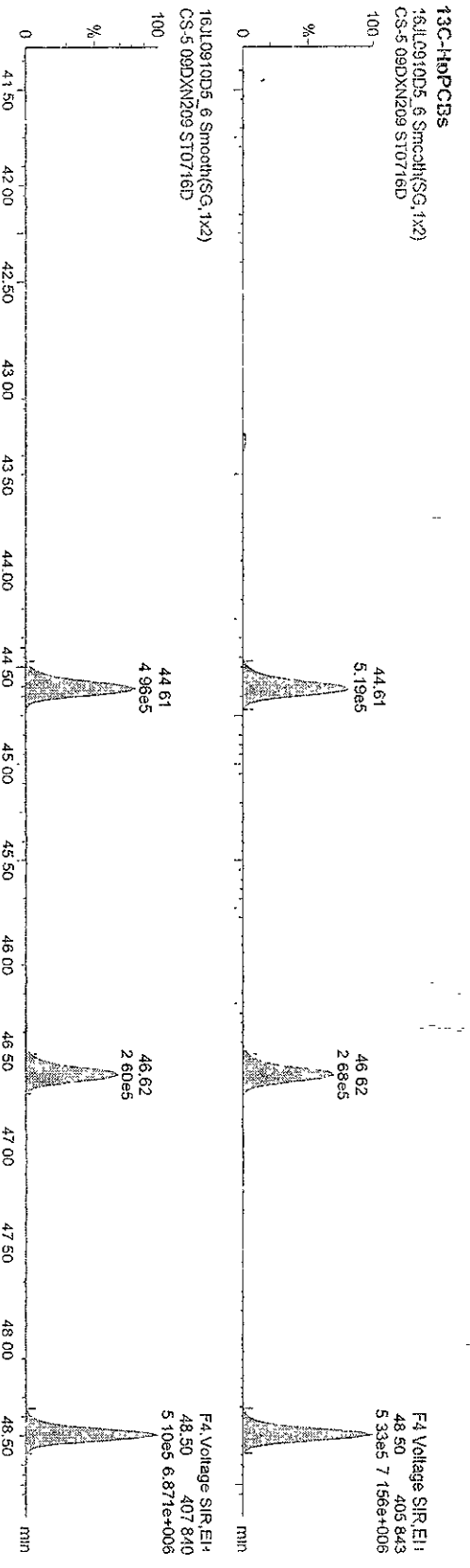
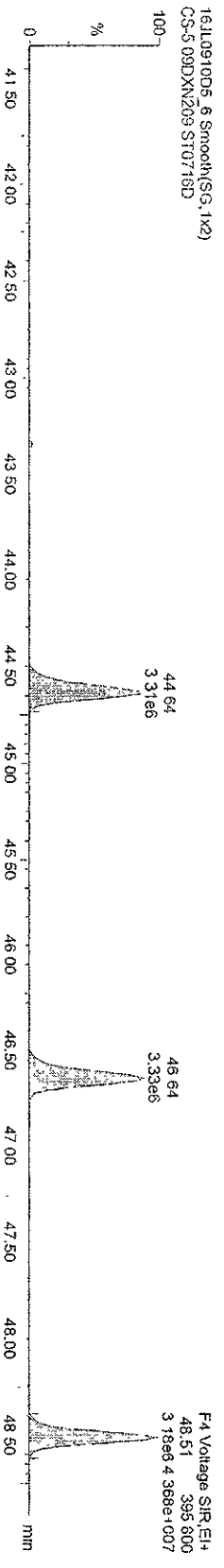
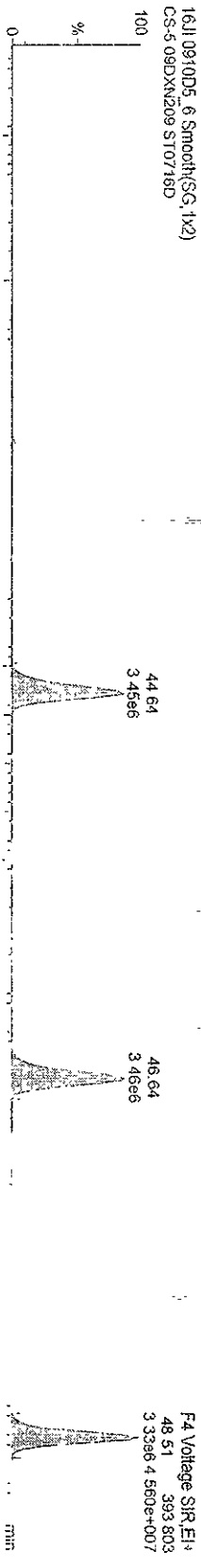


Dataset C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

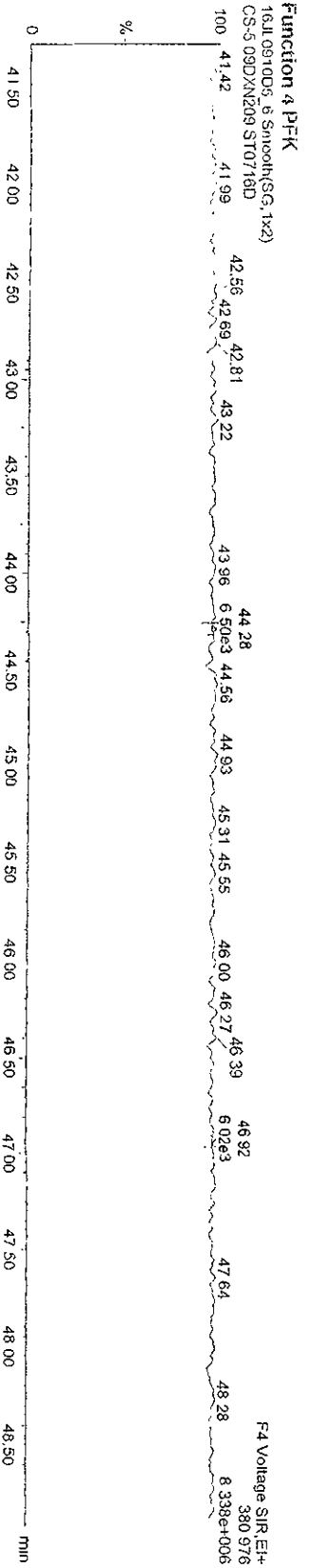
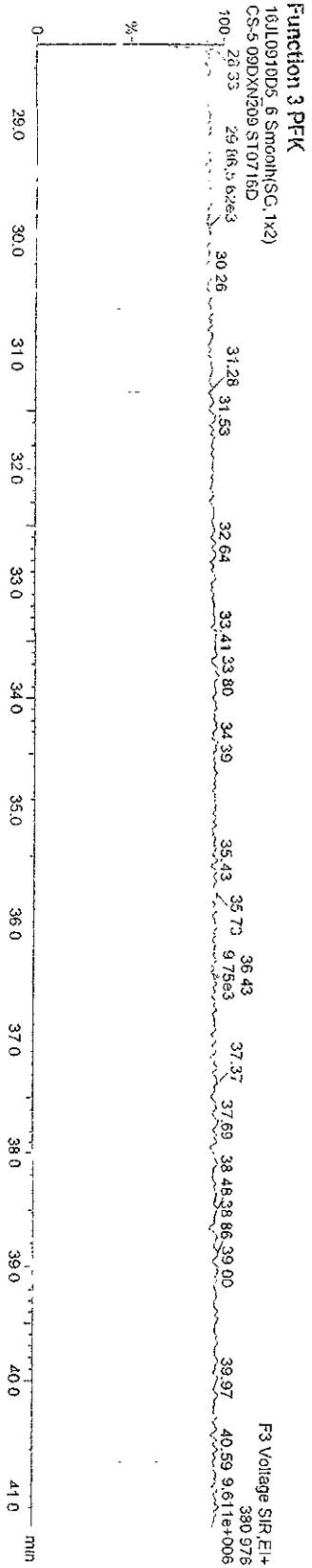
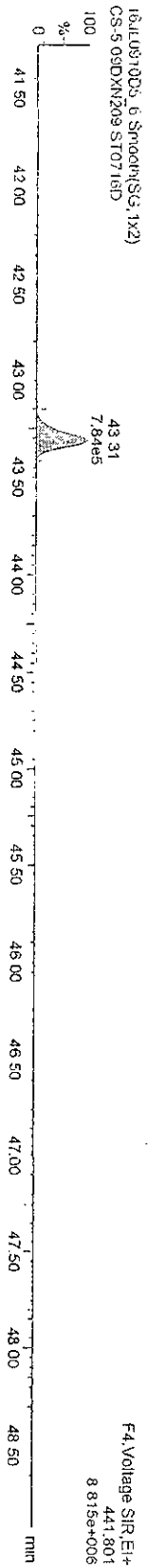
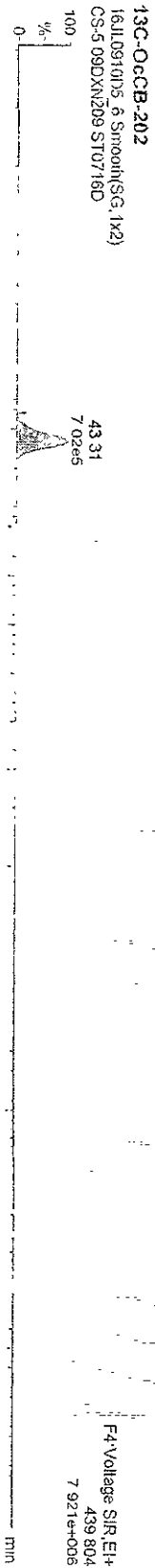
**HPPCBs**



Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

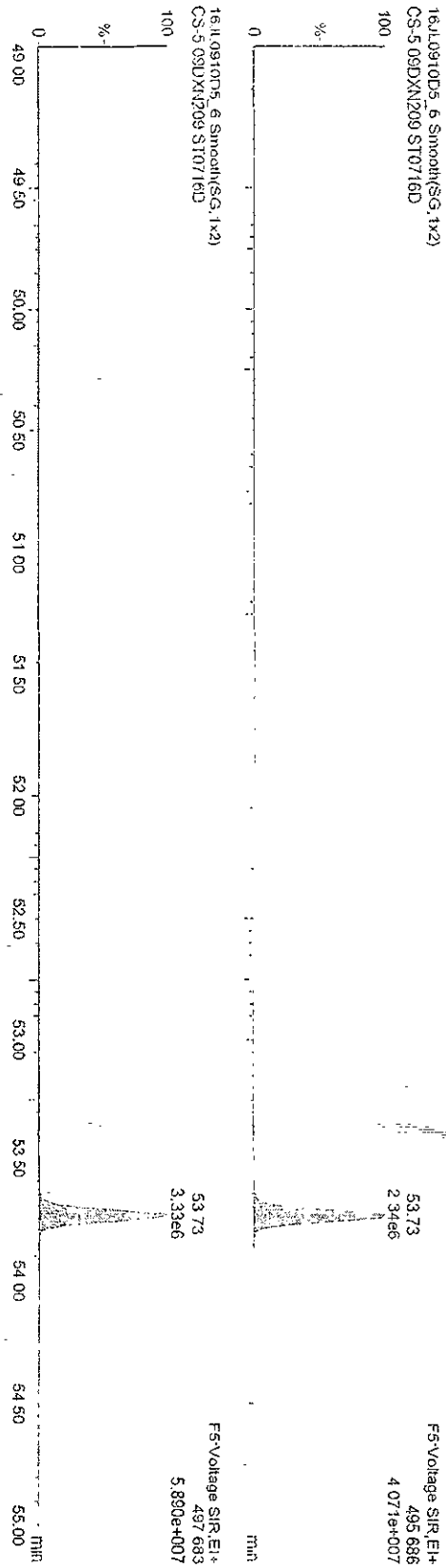


Dataset: C:\Masslynx\Default\proj\CA0716200910D51668W\SLDEC.qtd

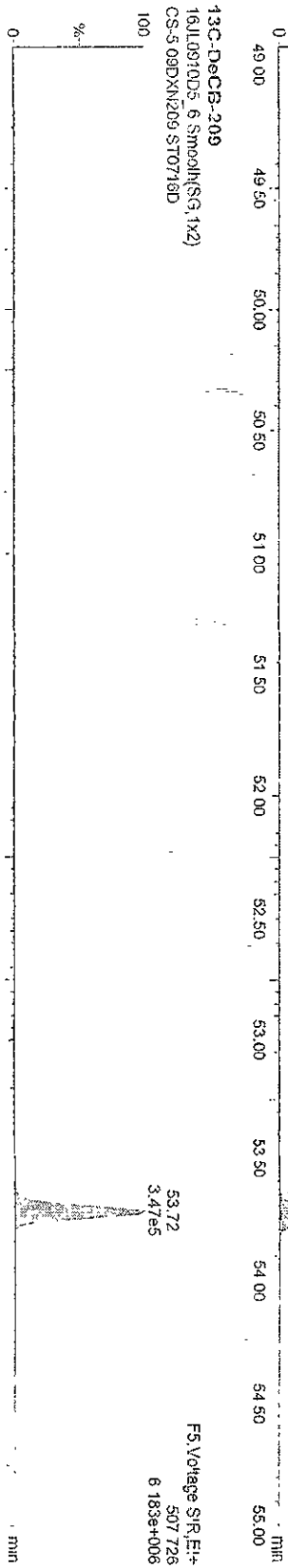
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

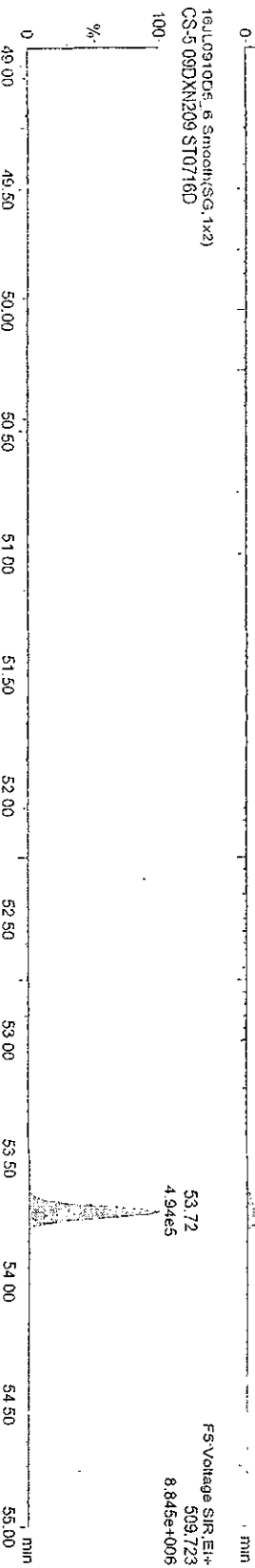
Dec3-209  
16JUL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



13C-Dec3-209  
16JUL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D



16JUL0910D5\_6 Smooth(SG, 1x2)  
CS-5 09DXN209 ST0716D





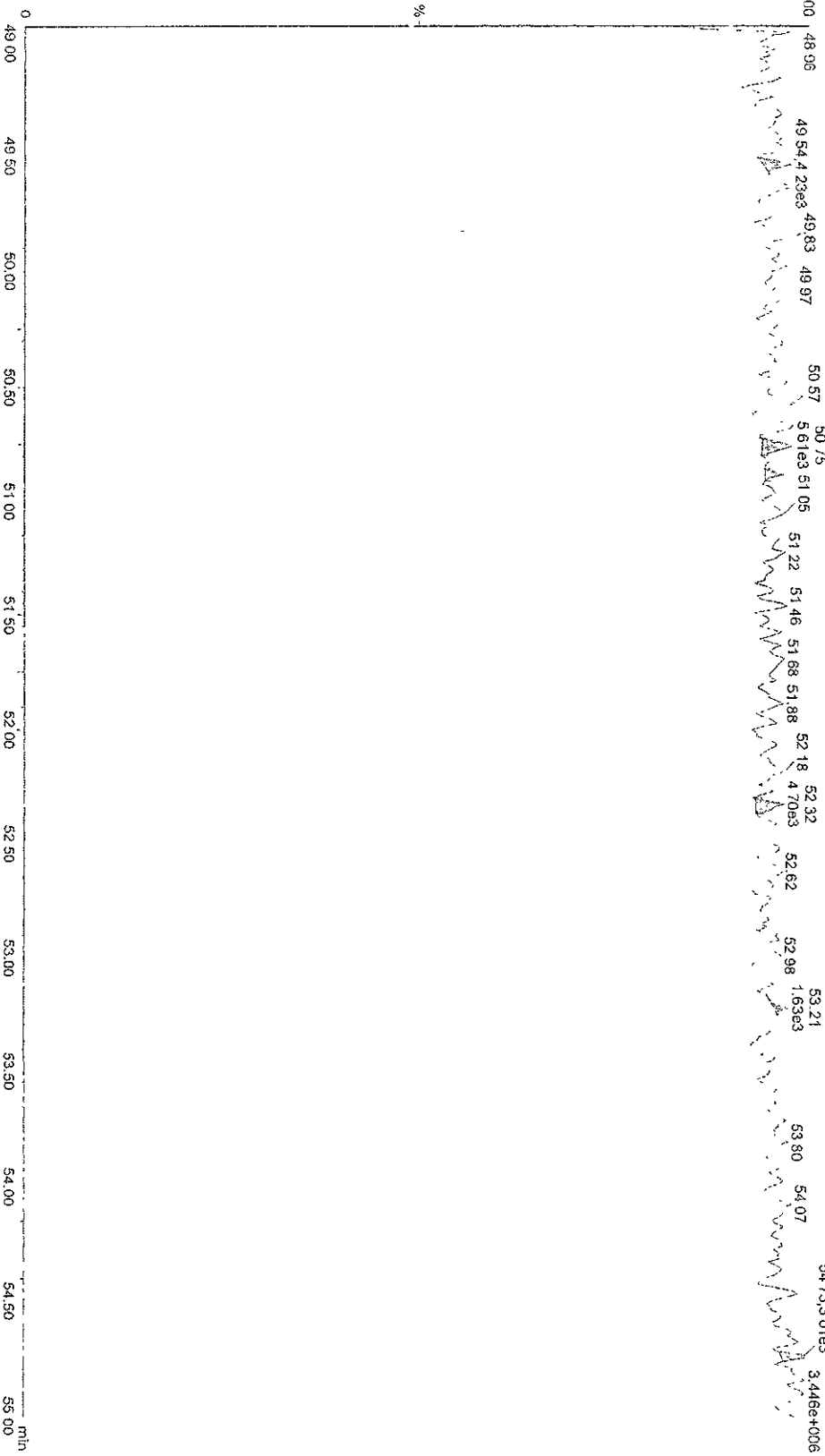
Dataset C:\Masslynx\Default\prof\CA0716200910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

Function 5 PFK

16JL0910D5\_6.Sneak(SG, 1x2)  
CS-5-09DXN209 ST0716D



Quantity Sample Summary Report MassLynx 4.1

Dataset C:\MassLynx\Default.pro\16200910D51668MSLDEC2ndSource.qld

Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\Method\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19  
 Path: C:\MassLynx\Default.PRO\Curved\16200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16JUL0910D5\_0, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

# Name	Trace	Sample Size	RT	Ptd RT	RRF	Abs Resp	pg	EMPC	%Rec	EDL	Ratio	Ratio	Fl	Mod	Date
1 13C-PeCB-101	335.924	1.000	31.90	32.13	12419	1470466.81	118.4006	118.4006	118.4	0.06393	0.65		NO		
2															
3 13C-TeCB-81	301.963	1.000	33.82	33.85	1.03984	1610148.06	105.3037	105.3037	105.3	0.05886	0.79		NO		
4 TeCB-81	289.922	1.000	33.83	33.83	1.45839	2117289.38	90.1658	90.1658		0.04653	0.74		NO		
5 13C-TeCB-77	301.963	1.000	34.50	34.55	1.10430	1683224.19	103.6572	103.6572	103.7	0.05543	0.79		NO		
6 TeCB-77	289.922	1.000	34.52	34.52	1.27458	1973168.13	91.9719	91.9719		0.05127	0.76		NO		
7															
8 13C-PeCB-123	335.924	1.000	36.16	36.18	0.99324	1532208.75	104.9083	104.9083	104.9	0.05436	0.63		NO		
9 PeCB-123	323.883	1.000	36.20	36.18	1.50539	1759145.25	76.2668	76.2668		0.05843	0.62		NO		
10 13C-PeCB-116	335.924	1.000	36.33	36.35	1.02377	15722983.44	104.4883	104.4883	104.5	0.05274	0.64		NO		
11 PeCB-116/106	323.883	1.000	36.37	36.35	1.52582	3508659.50	146.1885	146.1885		0.05700	0.62		NO		
12 13C-PeCB-114	335.924	1.000	37.12	37.14	1.03891	1612395.63	105.7488	105.7488	105.7	0.05207	0.64		NO		
13 PeCB-114	323.883	1.000	37.15	37.14	1.58926	1671774.44	65.2395	65.2395		0.05326	0.62		NO		
14 13C-PeCB-106	335.924	1.000	38.19	38.21	0.99154	1550133.33	100.3404	100.3404	100.3	0.05501	0.65		NO		
15 PeCB-105/127	323.883	1.000	38.23	38.21	1.43326	3561897.75	163.4509	163.4509		0.06446	0.62		NO		
16 13C-PeCB-126	335.924	1.000	40.51	40.56	1.02999	1545906.50	102.0695	102.0695	102.1	0.05242	0.63		NO		
17 PeCB-126	323.883	1.000	40.54	40.54	1.15582	1658692.44	92.8312	92.8312		0.08124	0.62		NO		
18															
19 13C-OcCB-202	439.804	1.000	43.31	43.51	14106	1688443.75	119.6951	119.6951	119.7	0.02438	0.90		NO		
20															
21 13C-HxCB-167	371.882	1.000	41.87	41.90	1.00247	1747570.19	101.3672	101.3672	101.4	0.04312	1.27		NO		
22 HxCB-167	359.841	1.000	41.90	41.90	1.34796	1659150.94	71.7388	71.7388		0.03818	1.08		NO		
23 13C-HxCB-156	371.882	1.000	43.45	43.48	0.78510	1364232.75	102.9140	102.9140	102.9	0.05505	1.29		NO		
24 HxCB-156	359.841	1.000	43.48	43.48	1.68840	1803329.50	78.2908	78.2908		0.03726	1.23		NO		
25 13C-HxCB-157	371.882	1.000	43.83	43.87	0.83526	1446005.38	102.5319	102.5319	102.5	0.05175	1.29		NO		
26 HxCB-157	359.841	1.000	43.87	43.85	1.65965	1723649.81	71.8229	71.8229		0.03615	1.22		NO		
27 13C-HxCB-169	371.882	1.000	46.06	46.11	0.87128	1475827.50	100.3211	100.3211	100.3	0.04961	1.26		NO		
28 HxCB-169	359.841	1.000	46.08	46.10	1.09832	1474839.81	90.9875	90.9875		0.05244	1.21		NO		
29															
30 13C-HxCB-180	405.843	1.000	44.61	44.47	0.68403	1195299.69	103.4944	103.4944	103.5	0.03057	1.04		NO		
31 HxCB-180	393.803	1.000	44.64	44.61	1.30035	1268602.00	81.6184	81.6184		0.05965	1.04		NO		

Dataset: C:\MassLynx\Default\pro\ICA0716200910D51668MSLDEC2\2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

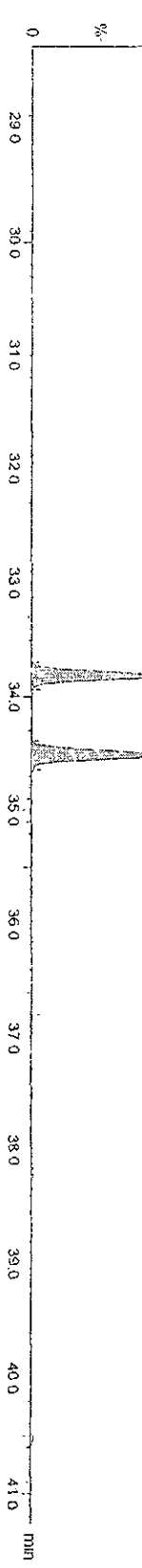
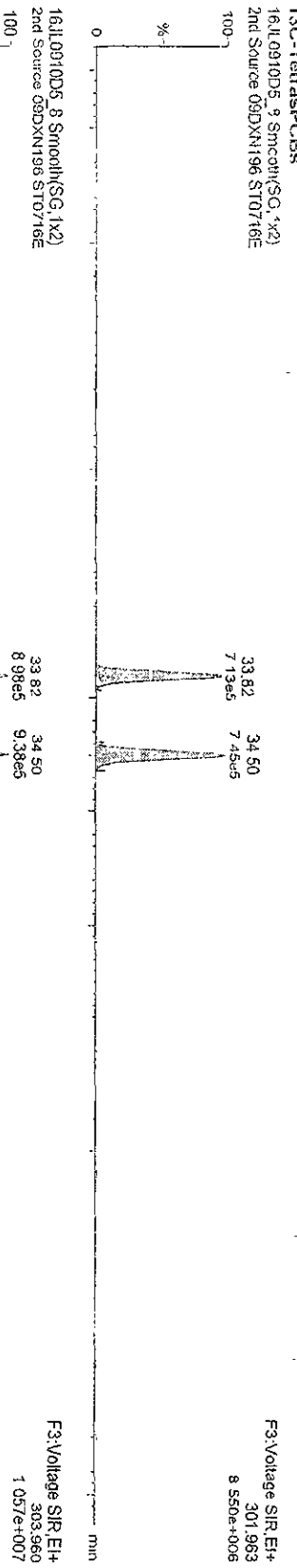
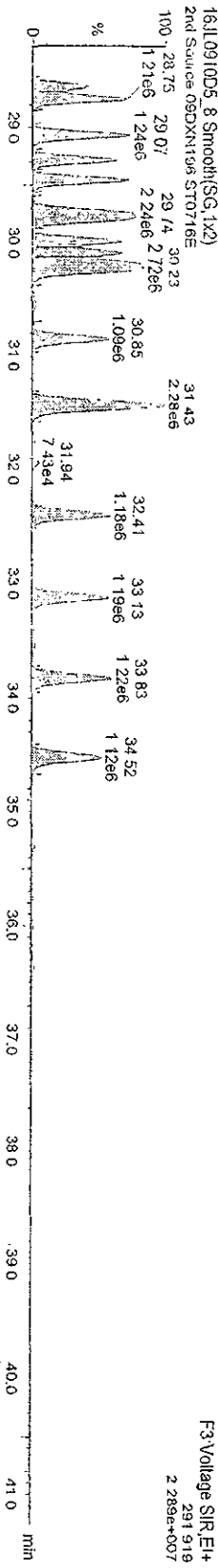
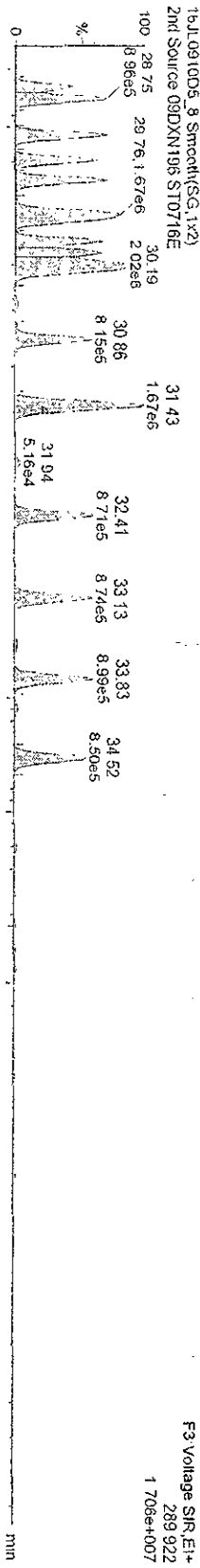
# Name	Trace	Sample Size	RT	Prod RT	RRF	M	Abs Resp	pg	EMPC	%Rec	EDI	Ratio	Ratio F	Mod Date
32 13C-HpCB-170	405.843	1.000	46.62	46.64	0.54773		966535.94	104.5113	104.5113	104.5	0.03818	1.06	NO	
33 HpCB-170	393.803	1.000	46.65	46.64	1.61501		1170576.13	74.9906	74.9906	102.5	0.05931	1.03	NO	
34 13C-HpCB-189	405.843	1.000	48.50	48.48	0.66767		1207214.94	102.4822	102.4822	102.5	0.02997	1.04	NO	
35 HpCB-189	393.803	1.000	48.51	48.53	1.23073		1325001.06	89.1805	89.1805	108.7	0.05490	1.04	NO	
36														
37 13C-DeCB-209	607.726	1.000	53.73	53.63	0.55323		1015487.63	108.7130	108.7130	108.7	0.02293	0.71	NO	
38 DeCB-209	405.686	1.000	53.75	53.76	4.31861		1811907.25	135.3149	135.3149	108.7	0.01204	0.70	NO	
39														
40 13C-PeCB-111	335.924	1.000	34.07	33.90	1.30483		1197.90	0.0590		0.1	0.04457	0.66	NO	
41														
42 Function 3 PFK	380.976	1.000												
43 Function 4 PFK	380.976	1.000												
44 Function 5 PFK	480.970	1.000												

Dataset C:\MassLynx\Default\prot\CA0716200910D51666MSLDEC2\ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

TetraPCBs

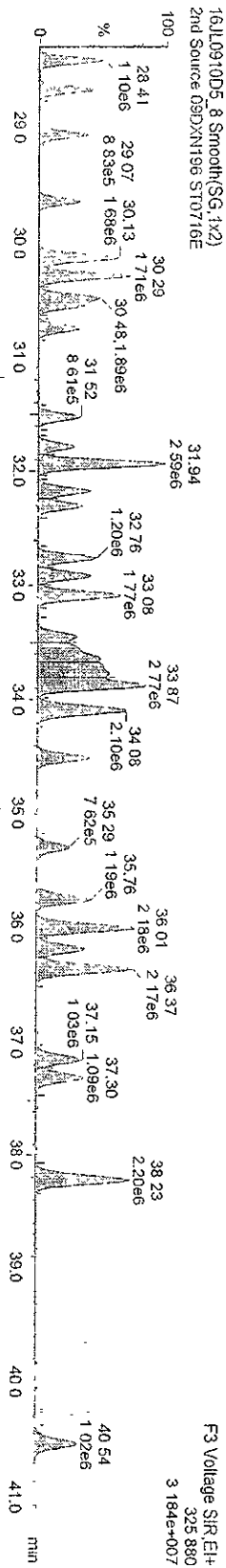
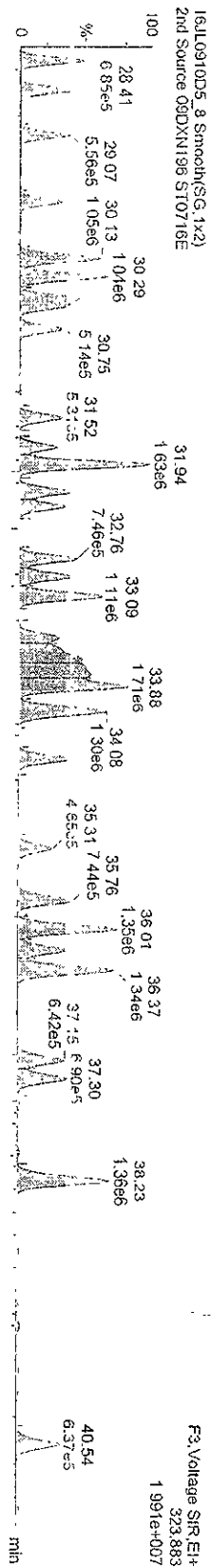


Dataset C:\Masslynx\Default\prol\CA0716200910D51668MSLDEC2\2ndSource.qld

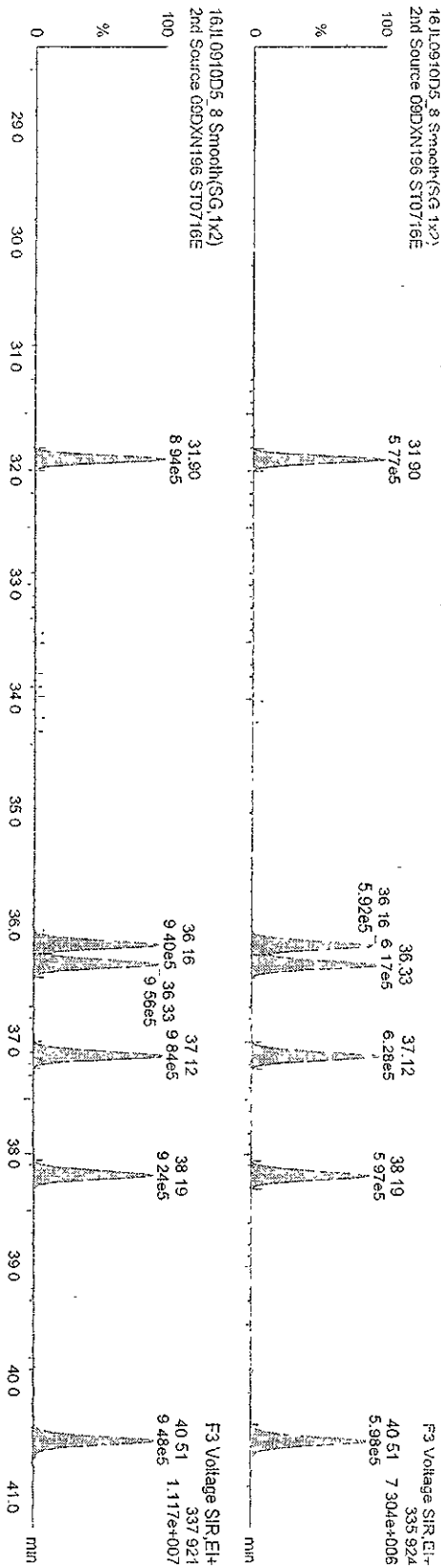
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

PePCBs



13C-PePCBs

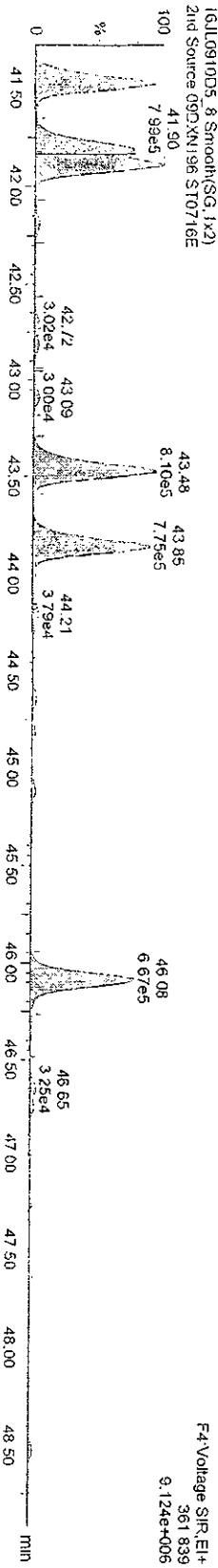
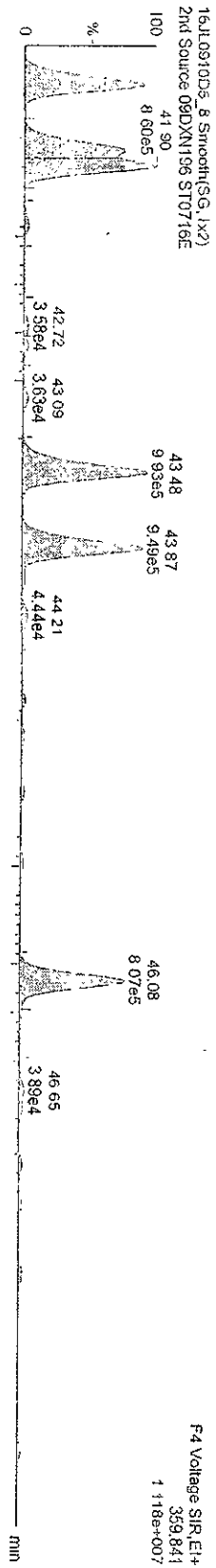


Dataset C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC2\2ndSource.qid

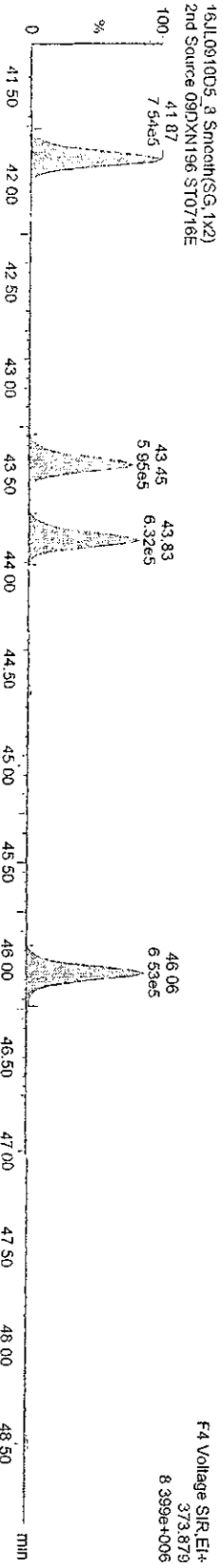
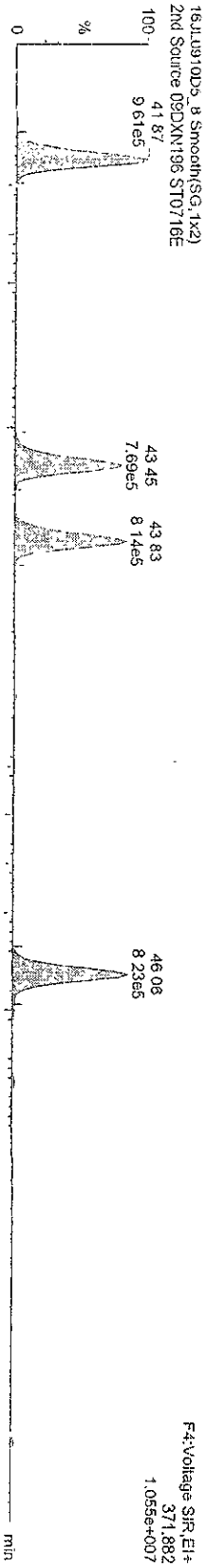
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

HXPCBs-



13C-HXPCBs



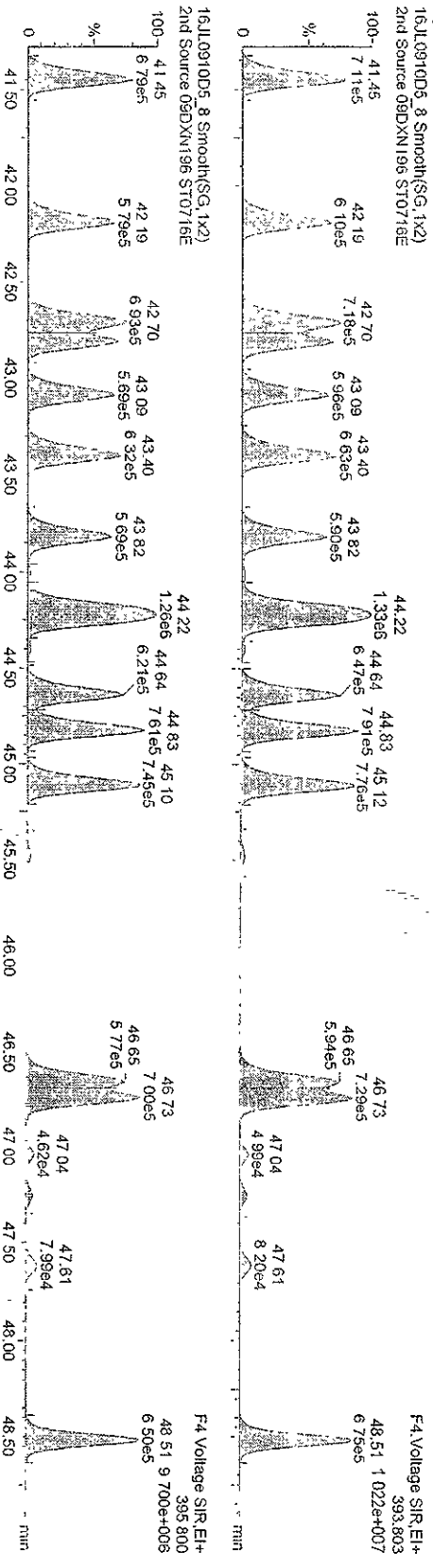
Dataset C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC2\2ndSource.qtd

Last Altered Thursday, August 27, 2009 17:27:32 Pacific Daylight Time

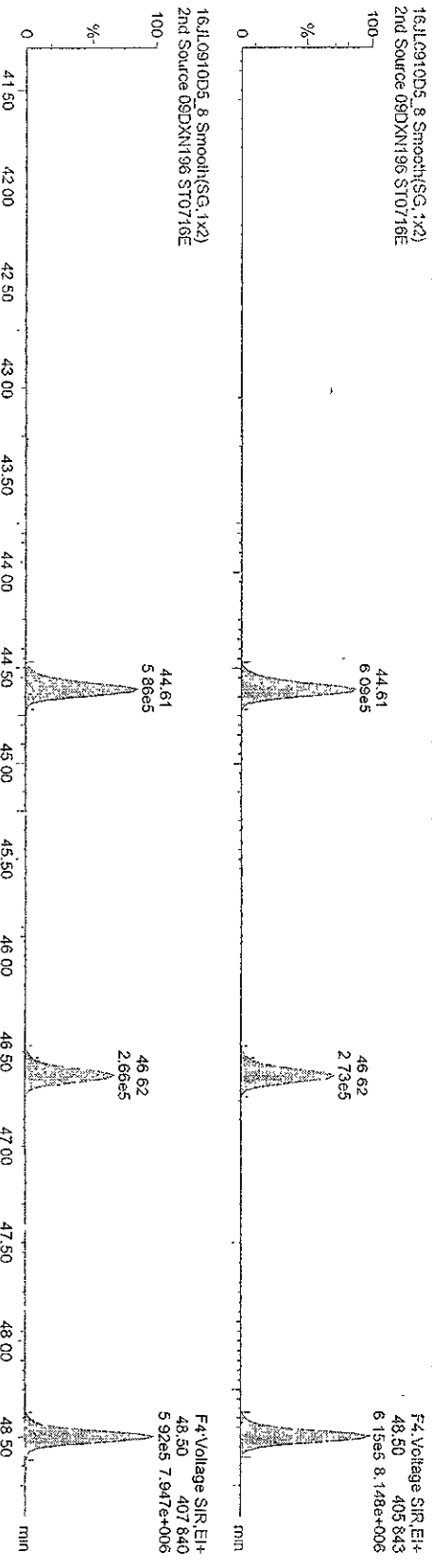
Printed Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

HPPCBs



13C-HP PCBs



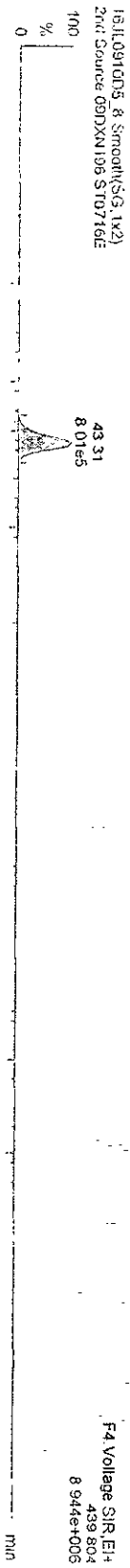
Dataset C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC2\2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time

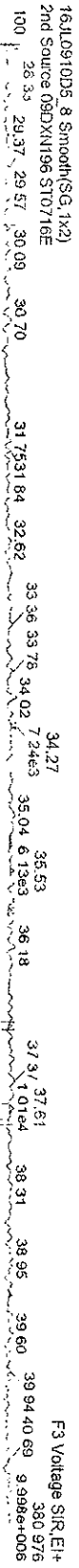
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16.L10910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

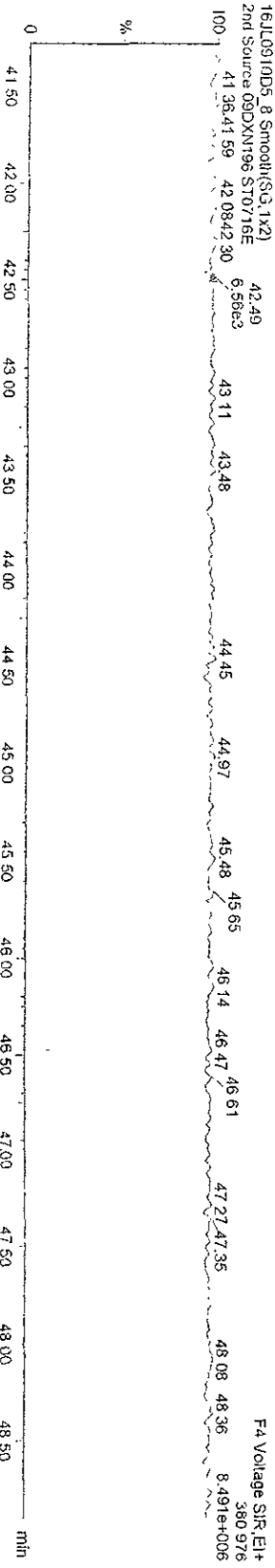
13C-OCCB-202



Function 3 PPK



Function 4 PPK



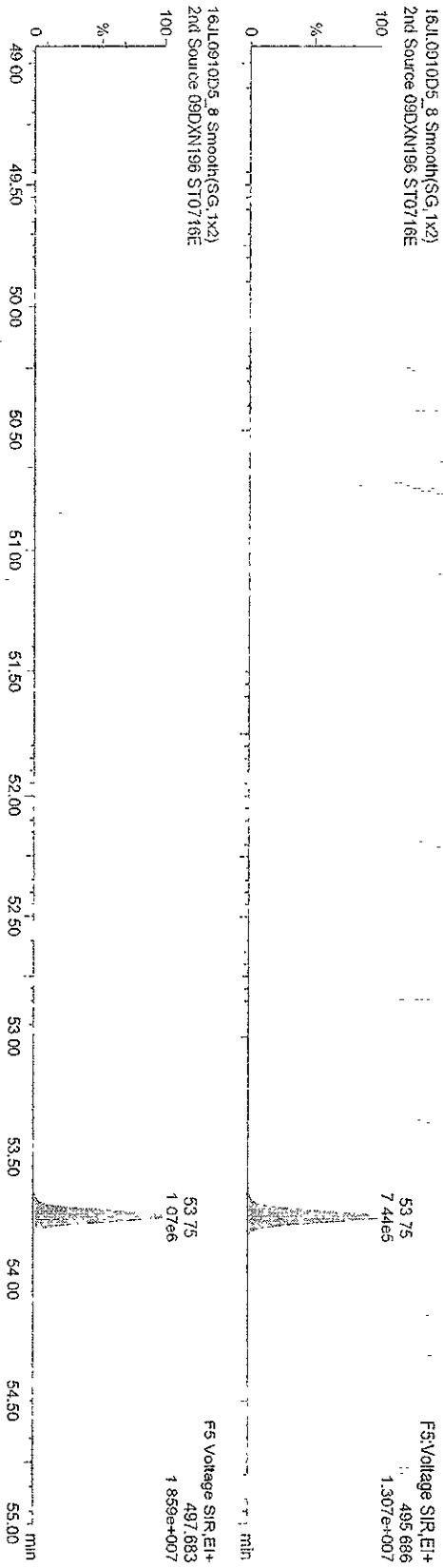


Dataset C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC2ndSource.qtd

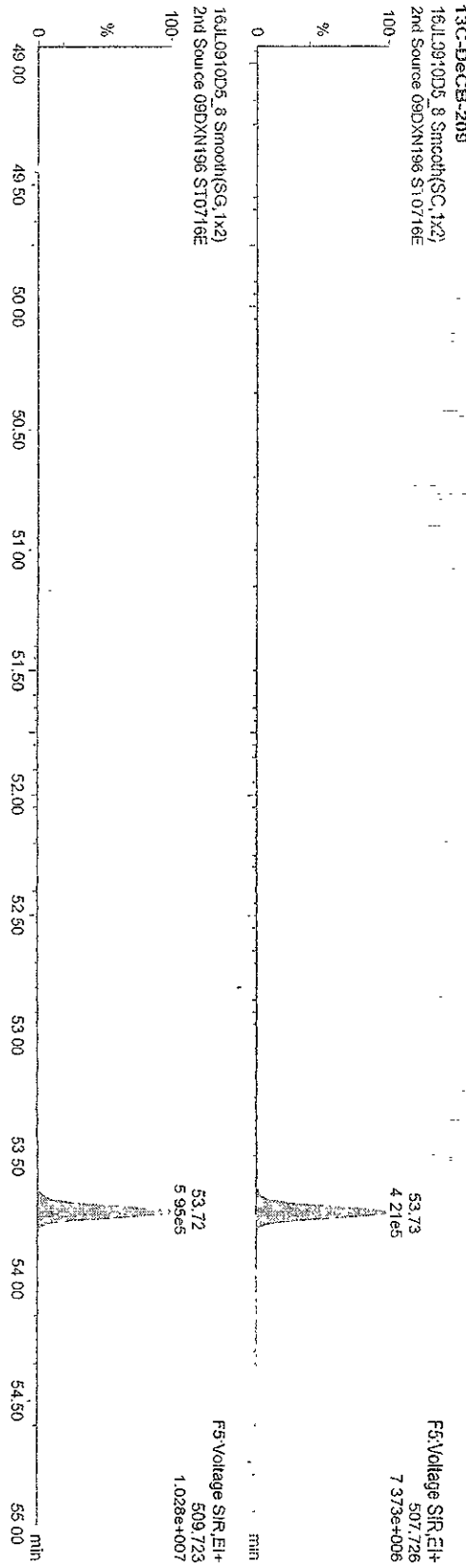
Last Altered Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

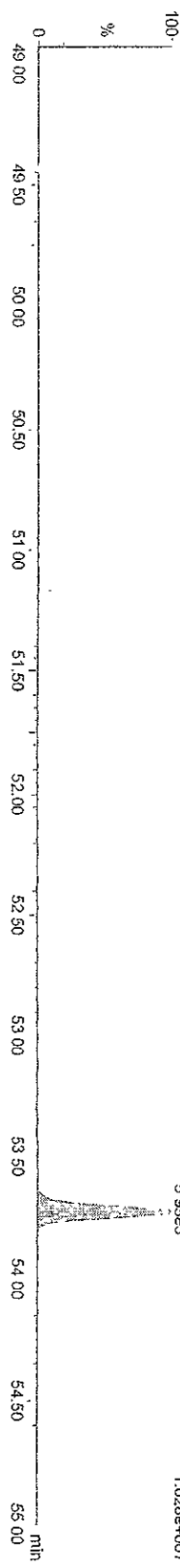
DecB-209  
16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E



13C-DecB-209  
16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E



16JL0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E



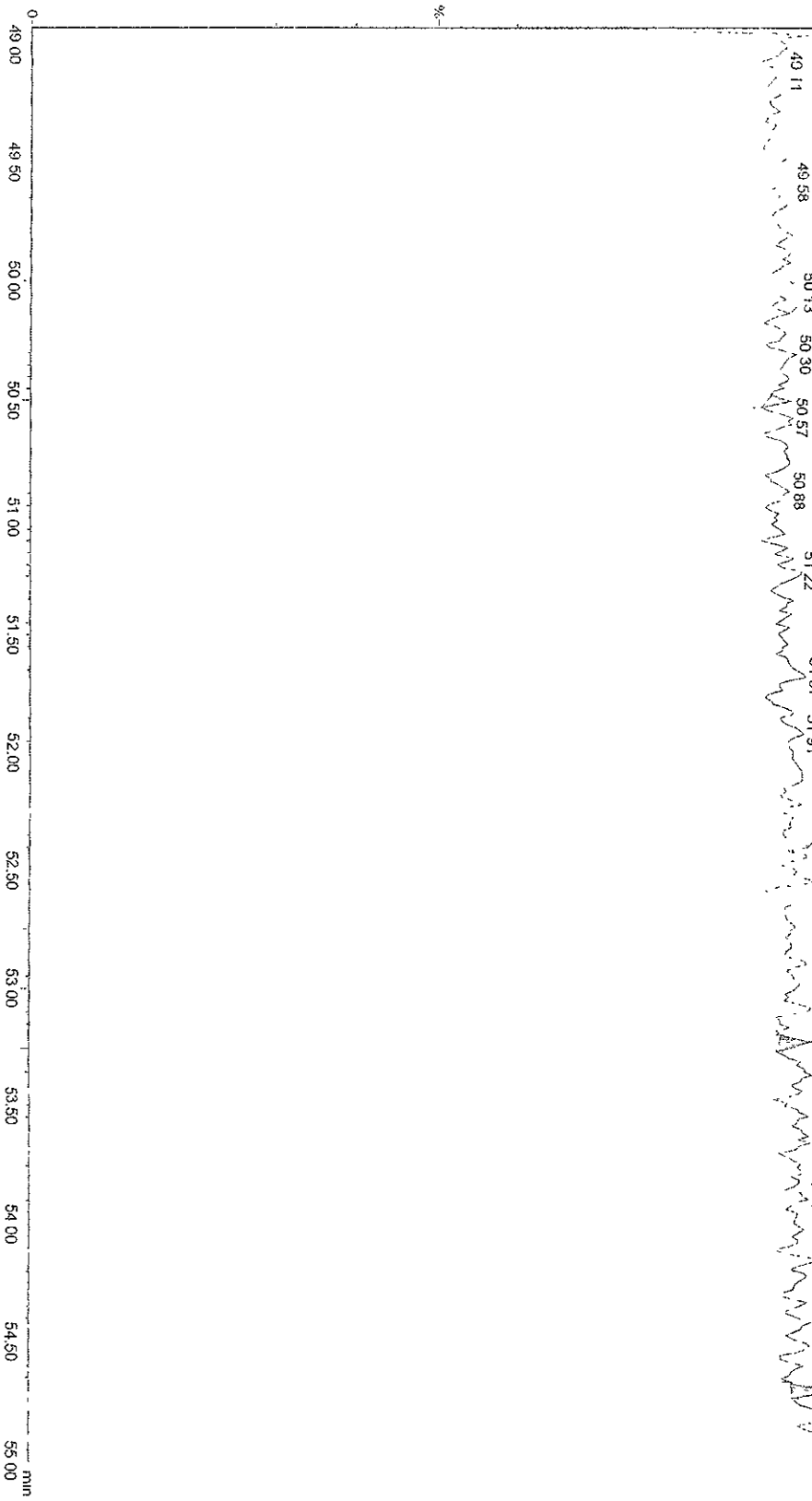
Dataset C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC2ndSource.qtd

Last Altered Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JUL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXM196

Function 5 PFK  
16JUL0910D5\_8.SMOOTH(SG,1X2)  
2nd Source 09DXM196 ST0716E  
100 48.96

F5.Voltage SIR\_EL1  
54.69 480.970  
5.98e3 631e1006



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

TestAmerica West Sacramento  
High Resolution Prep Log  
PCB Solid Analysis

Box # 5  
Shared QC Batch: 9/28/10  
Shares QC With: NA



**Internal COC:**  
Delivered to Inst.: 10-30-09  
Inst Receipt:

Batch: 9302443  
MS Run #:  
Prep Date: 10/29/2009  
Method: Q8 1668  
Matrix: A SOLID  
Extraction: 4W SOXHLET (NOMINAL)  
QC: 6Q CLIENT: STD BZ  
SAC: Q8 - A - 4W - 6Q

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	H28111
Hexane	Baker	H28128
H2SO4	Baker	NA
20% DCM:Hexane	NA	NA
65% DCM:Hexane	NA	NA
Silica Gel	Wako	22-22
Acid Alumina	NA	NA

Soxhlet time on: 1:30 Soxhlet time off: 1:4

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 10g nom.	Final Volume		Analysis Hold Time Expires
					20uL	Other	
G9J290159 - 6		LLM8X1AC	9/28/2010	5.00			9/28/2010
G9J290159 - 7		LLM811AC	9/28/2010	10.12			9/28/2010
G9J280227 - 6		LNE021AA	10/26/2010	5.65			10/26/2010
G9J280227 - 7		LNE1C1AC	10/26/2010	10.58			10/26/2010
G9J290000 - 443	B	LNHRD1AA	9/28/2010	10.00			9/28/2010
G9J290000 - 443	C	LNHRD1AC	9/28/2010	10.00			9/28/2010

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs: \_\_\_\_\_

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:	
Internal Standard All Samples	<u>10-29-09</u>	<u>6-29-10</u>	<u>LC</u>	<u>[Signature]</u>	<u>10-29-09</u>	
Spike Mix LCS/LCSD/MS/MS						
Cleanup Standard All Samples						
Recovery Standard All Samples	<u>00-PR-09DXN074</u>	<u>1-28-10</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>10-30-09</u>	
Soxhlet Extraction Analyst/Date	<u>LC/10-29-09</u>					
	Split/Archive Analyst/Date	Option C Analyst/Date	PCB Silica Gel Analyst/Date	PCB Acid Alumina Analyst/Date	Hg Analyst/Date	GPC Analyst/Date
			<u>10-30-09</u>			

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 10/30/09  
Time: 16:53:31

LEV 1	Blank	LEV 1	Weights/Volumes
Y	Check	Y	Spike & Surrogate Worksheet
Y	MS/MSD	Y	Vial contains correct volume
Y		Y	Labels, greenbars, worksheets
Y		Y	computer batch: correct & all match
Y		Y	Anomalies to Extraction Method

Expanded Deliverable  
COC Completed  
Bench Sheet Copied  
Package Submitted to Analytical Group  
Bench Sheet Copied per COC

\*\*\*\*\*  
\* QC BATCH: 9302443 \*  
\* PREP DATE: 10/29/09 19:30 \*  
\* COMP DATE: 10/30/09 11:30 \*  
\*\*\*\*\*

Extractionist: 002084 Ceasar Cortez  
Concentrationist: 006625 Elizabeth Nguyen

Reviewer/Date: NGUYENE / 10/30/09  
PCBS, HRGC/HRMS (1658)  
SOXHLET (NOMINAL)

EXTR EXPR	AML DUE	LOT# WORK ORDER	MSRUN# TEST PLGS	EXT MTH	MATRIX	INIT WT/VOL	PH'S ADUI	SOXHELET ADJ2	EXTRACTION VOL	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
9/28/10	10/23/09	LNHRD-1-AC	D	4W	Q8 SOLID	5.00g 20.00uL	NA	NA	NA	300.0	100.0UL IS09DXN324
9/28/10	10/23/09	LNHRD-1-AC	D	4W	Q8 SOLID	10.12g 20.00uL	NA	NA	NA	300.0	100.0UL IS09DXN324
10/26/10	11/25/09	LNHRD-1-AA	D	4W	Q8 SOLID	5.85g 20.00uL	NA	NA	NA	300.0	100.0UL IS09DXN324
10/26/10	11/25/09	LNHRD-1-AC	D	4W	Q8 SOLID	10.57g 20.00uL	NA	NA	NA	300.0	100.0UL IS09DXN324
9/28/10	0/00/00	LNHRD-1-AAE	D	4W	Q8 SOLID	10.00g 20.00uL	NA	NA	NA	300.0	100.0UL IS09DXN324
9/28/10	0/00/00	LNHRD-1-ACC	D	4W	Q8 SOLID	10.00g 20.00uL	NA	NA	NA	300.0	100.0UL NS09DXN303 100.0UL IS09DXN324

R = RUSH  
E = EPA 600  
M = CLIENT REQ MS/MSD

C = CLP  
D = EXP.DEL)

NUMBER OF WORK ORDERS IN BATCH: 6

## Preparation Data Review Checklist

Prep Batch(es) 7001443 Test: WVCS  
 Prep Date: 10.29.09 Holding Times: 9:25.10 NCM: Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	/
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	/
5. Spiking volumes are correctly documented	✓	/
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	/
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	/
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	/
2. Balance upload or raw data for weights is included	NA	/
3. Weights and volumes have been transcribed correctly to LIMS.	NA	/
4. Weights are not targeted to meet exact weights.	NA	/
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	/
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	/
2. Are dates and analysts for cleanups recorded?	NA	/
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	/
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMs entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: [Signature]  
 2<sup>nd</sup> Level Reviewer: [Signature]

Date: 10/29/09  
 Date: 10/30/09

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Data Checklist  
HRGCMS/LRGCMS Analyses

THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 9302443 Method ID: 1068

Data Analyst: zmt DB-5 DB-225  
 Date initiated: 11/04/09  
 Reviewer: SL  
 Date reviewed: 11/24/09

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	/	/	/	/
-Method Blank present?	/	/	/	/
-LCS/DCS copy present and meets native recovery criteria?	/	/	/	/
-Internal standard recoveries within limits?*	/	/	/	/
-Ion ratios within + 15% of theoretical values?	/	/	/	/
-Other QC (Dup,MS,SD) within specs?*	NA	NA	/	/

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	/	/	/	/
-All raw data present?	/	/	/	/
-Standard target DL's used? If RL's are used specify: <u>9</u>	/	/	/	/
-DL's below TD / LCL (please circle)?	/	/	/	/
-All positives reported at levels greater than method blank DL's?	/	/	/	/
-Correct RRF's used for method?	/	/	/	/
-Internal standard amounts correct for method?	/	/	/	/
-Target analytes are not saturated?	/	/	/	/
-Dilution/splitting of extract taken into account?	NA	NA	/	/
-Have dilution calculations been verified?	NA	NA	/	/
-Has a manual calculation for the sequence(ε) been verified?	/	/	/	/
-Are retention times (RT) correct?	/	/	/	/
-Manual integrations checked?	/	/	/	/

Comments: (Use other side if necessary)

* Recovery limits:	**RPD limits:
NCASI 551: 40-120%***	50%
Method 8290: 40-135%***	20%
Method 1613: 25-150%***	50%
Method 23: 40-130%*** (C14-C16), 25-30% (C17-8), 70-130% (surr.)	50%
PCBs: 25-150%***	50%
Method 8280: 40-120%***	
DFLM01.0: 25-150%***	
Method 1614: 25-150%***	

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

# SOLID, D 2216-90, Percent Moisture



# % Moisture/Solid Worksheet

QCBATCH: 9320347

Analyzed by: palmoren

Report created: 11/17/09 10:42:44 AM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G9J280227-6	LNE021AC	1.34	2.36	2.27	0.09	8.82	91.18	0.1		11/17/09 10:39:39 AM
G9J280227-6	LNE021AD	1.31	2.10	2.04	0.06	7.59	92.41	0.1		11/17/09 10:39:53 AM
G9J280227-7	LNE1C1AA	1.32	6.92	6.84	0.08	1.43	98.57	0.1		11/17/09 10:40:02 AM
G9K050419-7	LNWJ11AA	1.31	8.02	6.34	1.68	25.04	74.96	0.1		11/17/09 10:40:10 AM
G9K050588-1	LNQVQ1AA	1.31	8.01	6.17	1.84	27.46	72.54	0.1		11/17/09 10:40:20 AM
G9K050594-1	LNQWP1AA	1.33	5.64	2.58	3.06	71.00	29.00			11/17/09 10:40:28 AM
G9K060419-21	LN02E1AA	1.33	7.55	7.33	0.22	3.54	96.46	0.1		11/17/09 10:40:38 AM
G9K060419-22	LN02F1AA	1.33	12.00	11.36	0.64	6.00	94.00	0.1		11/17/09 10:40:49 AM
G9K060607-1	LN2P01AA	1.31	5.60	2.18	3.42	79.72	20.28			11/17/09 10:40:57 AM
G9K060617-1	LN2RH1AA	1.32	5.23	2.47	2.76	70.59	29.41	0.1		11/17/09 10:41:07 AM
G9K060667-1	LN2811AC	1.32	6.18	2.64	3.54	72.84	27.16	0.1		11/17/09 10:41:16 AM
G9K090478-1	LN5MN1AA	1.33	9.81	8.99	0.82	9.67	90.33	0.1		11/17/09 10:41:26 AM
G9K110664-2	LPAFM1AQ	1.33	6.19	2.19	4.00	82.30	17.70	0.1		11/17/09 10:41:36 AM
G9K110664-3	LPAFN1AQ	1.31	9.03	4.16	4.87	63.08	36.92	0.1		11/17/09 10:41:46 AM
G9K110664-4	LPAFQ1AQ	1.33	8.13	3.54	4.59	67.50	32.50	0.1		11/17/09 10:41:55 AM
G9K110664-5	LPAFR1AQ	1.33	8.17	4.34	3.83	55.99	44.01	0.1		11/17/09 10:42:03 AM
G9K110664-6	LPAFW1AQ	1.33	8.39	3.22	5.17	73.23	26.77	0.1		11/17/09 10:42:11 AM
G9K110664-7	LPAF01AQ	1.33	7.84	2.99	4.85	74.50	25.50	0.1		11/17/09 10:42:19 AM
G9K130438-1	LPEPD1AC	1.31	8.67	7.11	1.56	21.20	78.80	0.1		11/17/09 10:42:28 AM
G9K130440-1	LPEPK1AC	1.34	9.77	8.83	0.94	11.15	88.85	0.1		11/17/09 10:42:37 AM

All weights are in grams.

Sample weights (wet & dry) include the weight (tare) of the sample pan.

Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).

% Water = (Wt. Diff./sample wet weight - pan tare)\*100

% Solid = 100 - percent Water

December 30, 2009

**TestAmerica Project Number: G9L010507**

PO/Contract: 565

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on December 1, 2009. These samples are associated with your KHF project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

CC: Huntington

## Table of Contents

### TestAmerica West Sacramento Project Number G9L010507

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4

    Sample Data Sheets

    Method Blank Reports

    Laboratory QC Reports

Full Raw Data Package

## Case Narrative

### TestAmerica West Sacramento Project Number G9L010507

#### AIR, 1668, WHO PCB congeners

Sample(s): 2

The PCB 77 detection limit has been elevated for this sample due to matrix interferences. This elevated detection limit has been flagged with a "G" qualifier and may be considered a maximum possible concentration.

There were no other anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G9L010507

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LQALL	1	NOV09-UMSI-T09A	11/7/2009 12:01 AM	12/1/2009 09:10 AM
LQALR	2	NOV09-DMSI-T09A	11/7/2009 12:01 AM	12/1/2009 09:10 AM
LQALV	3	NOV09-MSP-T09A	11/7/2009 12:01 AM	12/1/2009 09:10 AM
LQALO	4	NOV09-BLANK-T09A-UMSI	11/6/2009 09:40 AM	12/1/2009 09:10 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Sampler ID \_\_\_\_\_  
 Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

TAL-4124-280 (0508)

Client <b>CHEMICAL WASTE MANAGEMENT, Inc</b>		Project Manager <b>PAUL TORAK</b>		Date <b>11/30/09</b>		Chain of Custody Number <b>115850</b>																		
Address <b>35251 OLD SKYLINE ROAD</b>		Telephone Number (Area Code)/Fax Number <b>(559) 386-6151</b>		Lab Number		Page <b>1</b> of <b>1</b>																		
City <b>YUBA CITY</b>		Site Contact <b>STEVEN HORTON</b>		Analysis (Attach list if more space is needed)		Special Instructions/ Conditions of Receipt																		
State <b>CA</b>		Carrier/Waybill Number <b>FEO EX</b>		<table border="1"> <tr> <th colspan="2">Matrix</th> <th colspan="5">Containers &amp; Preservatives</th> </tr> <tr> <th>Air</th> <th>Aqueous</th> <th>Sed</th> <th>Soil</th> <th>Unpres.</th> <th>H2SO4</th> <th>HNO3</th> <th>HCl</th> <th>NaOH</th> <th>ZnAc/NaOH</th> </tr> </table>		Matrix		Containers & Preservatives					Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	(A fee may be assessed if samples are retained longer than 1 month) Disposal By Lab <input type="checkbox"/> Archive For _____ Months QC Requirements (Specify)	
Matrix		Containers & Preservatives																						
Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH															
Zip Code <b>93239</b>		Lab Contact <b>KAREN DAHL</b>																						
Project Name and Location (State) <b>KAF</b>		Date		Time		Date		Time																
Contract/Purchase Order/Quote No. <b>565</b>		Date		Time		Date		Time																
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date		Time		Date		Time																
<b>NDV09-UNSI - T09A</b>		<b>11/07/09</b>		<b>001</b>		<b>X</b>		<b>X</b>																
<b>NDV09-UNSI - T09A</b>		<b>↓</b>		<b>↓</b>		<b>X</b>		<b>X</b>																
<b>NDV09-MSA - T09A</b>		<b>↓</b>		<b>↓</b>		<b>X</b>		<b>X</b>																
<b>NDV09-BLANK-T09A-UNSI</b>		<b>11/06/09</b>		<b>0940</b>		<b>X</b>		<b>X</b>																
<b>2 CARTRIDGES</b>								<b>DO NOT ANALYZE</b>																

1. Relinquished By **STEVEN HORTON** Date **11/30/09** Time **1700**  
 2. Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
 3. Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

CLIENT Wenck PM RD LOG # 62197

LOT# (QUANTIMS ID) 99L010507 QUOTE# 51307 LOCATION W140

DATE RECEIVED 12/1/09 TIME RECEIVED 0910 Checked (✓)

DELIVERED BY  FEDEX  ON TRAC  CLIENT

GOLDENSTATE  UPS  GO-GETTERS  OTHER

TAL COURIER  TAL SF  VALLEY LOGISTICS

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) 27731

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

COC #(S) 115850

TEMPERATURE BLANK Observed: 3 Corrected: 3

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: AA Average \_\_\_\_\_ Corrected Average \_\_\_\_\_

**LABORATORY THERMOMETER ID:**

IR UNIT: #4  #5   OTHER \_\_\_\_\_

U 12/1/09  
Initials Date

pH MEASURED  YES  ANOMALY  N/A

LABELLED BY.....

LABELS CHECKED BY.....

PEER REVIEW \_\_\_\_\_  NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH  N/A  
APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)<sup>\*1</sup>  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

U 1 DEC 09  
Initials Date

Notes \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.



Lot

ID:

G9L010507

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOA <sup>h</sup> *	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___CT																				
Encore																				
Folder/filter																				
PUF	/	/	/	/																
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

# AIR, 1668, WHO PCB congeners

Wenck Associates, Inc.

Client Sample ID: NOV09-UMSI-T09A

Trace Level Organic Compounds

Lot-Sample #....: G9L010507-001    Work Order #....: LQALL1AA    Matrix.....: AIR  
 Date Sampled...: 11/07/09    Date Received...: 12/01/09  
 Prep Date.....: 12/02/09    Analysis Date...: 12/22/09  
 Prep Batch #....: 9337330  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	116	(25 - 150)
13C12-PCB 81	111	(25 - 150)
13C12-PCB 118	103	(25 - 150)
13C12-PCB 114	103	(25 - 150)
13C12-PCB 105	108	(25 - 150)
13C12-PCB 126	117	(25 - 150)
13C12-PCB 156	145	(25 - 150)
13C12-PCB 157	132	(25 - 150)
13C12-PCB 167	115	(25 - 150)
13C12-PCB 169	123	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	74	(25 - 150)

Wenck Associates, Inc.

Client Sample ID: NOV09-DMSI-T09A

Trace Level Organic Compounds

Lot-Sample #....: G9L010507-002    Work Order #....: LQALR1AA    Matrix.....: AIR  
 Date Sampled....: 11/07/09    Date Received...: 12/01/09  
 Prep Date.....: 12/02/09    Analysis Date...: 12/24/09  
 Prep Batch #....: 9337330  
 Dilution Factor: 5

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND G	1300	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>3300 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>8000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	92	(25 - 150)
13C12-PCB 81	88	(25 - 150)
13C12-PCB 118	107	(25 - 150)
13C12-PCB 114	97	(25 - 150)
13C12-PCB 105	99	(25 - 150)
13C12-PCB 126	95	(25 - 150)
13C12-PCB 156	100	(25 - 150)
13C12-PCB 157	88	(25 - 150)
13C12-PCB 167	80	(25 - 150)
13C12-PCB 169	79	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	83	(25 - 150)

NOTE(S):

- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: NOV09-MSP-T09A

Trace Level Organic Compounds

Lot-Sample #...: G9L010507-003    Work Order #...: LQALV1AA    Matrix.....: AIR  
 Date Sampled...: 11/07/09    Date Received...: 12/01/09  
 Prep Date.....: 12/02/09    Analysis Date...: 12/22/09  
 Prep Batch #...: 9337330  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>1600 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	104	(25 - 150)
13C12-PCB 81	102	(25 - 150)
13C12-PCB 118	93	(25 - 150)
13C12-PCB 114	88	(25 - 150)
13C12-PCB 105	92	(25 - 150)
13C12-PCB 126	79	(25 - 150)
13C12-PCB 156	141	(25 - 150)
13C12-PCB 157	124	(25 - 150)
13C12-PCB 167	106	(25 - 150)
13C12-PCB 169	117	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	77	(25 - 150)

**NOTE(S):**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: NOV09-BLANK-T09A-UMSI

Trace Level Organic Compounds

Lot-Sample #...: G9L010507-004    Work Order #...: LQAL01AA    Matrix.....: AIR  
 Date Sampled...: 11/06/09    Date Received...: 12/01/09  
 Prep Date.....: 12/02/09    Analysis Date...: 12/22/09  
 Prep Batch #...: 9337330  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	67	(25 - 150)
13C12-PCB 81	68	(25 - 150)
13C12-PCB 118	83	(25 - 150)
13C12-PCB 114	77	(25 - 150)
13C12-PCB 105	84	(25 - 150)
13C12-PCB 126	83	(25 - 150)
13C12-PCB 156	117	(25 - 150)
13C12-PCB 157	104	(25 - 150)
13C12-PCB 167	89	(25 - 150)
13C12-PCB 169	96	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	78	(25 - 150)

# QC DATA ASSOCIATION SUMMARY

G9L010507

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9337330	
002	AIR	EPA-14 1668		9337330	
003	AIR	EPA-14 1668		9337330	
004	AIR	EPA-14 1668		9337330	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9L010507      Work Order #...: LQFNE1AA      Matrix.....: AIR  
 MB Lot-Sample #: G9L030000-330  
 Prep Date.....: 12/02/09  
 Analysis Date...: 12/23/09      Prep Batch #...: 9337330  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	65	(25 - 150)
13C12-PCB 81	64	(25 - 150)
13C12-PCB 118	76	(25 - 150)
13C12-PCB 114	71	(25 - 150)
13C12-PCB 105	75	(25 - 150)
13C12-PCB 126	78	(25 - 150)
13C12-PCB 156	82	(25 - 150)
13C12-PCB 157	72	(25 - 150)
13C12-PCB 167	62	(25 - 150)
13C12-PCB 169	66	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	79	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.



**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #....: G9L010507      Work Order #....: LQFNE1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9L030000-330  
 Prep Date.....: 12/02/09      Analysis Date...: 12/23/09  
 Prep Batch #....: 9337330  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	87	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	92	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	78 C	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	83	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	76 C	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	79	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	77	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	87	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	93	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	112	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	101	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	86	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	80	(25 - 150)
13C12-PCB 81	77	(25 - 150)
13C12-PCB 118	90	(25 - 150)
13C12-PCB 114	81	(25 - 150)
13C12-PCB 105	86	(25 - 150)
13C12-PCB 126	87	(25 - 150)
13C12-PCB 156	103	(25 - 150)
13C12-PCB 157	91	(25 - 150)
13C12-PCB 167	80	(25 - 150)
13C12-PCB 169	82	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

C Co-eluting isomer.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot #....: G9L010507      Work Order #....: LQFNE1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9L030000-330  
 Prep Date.....: 12/02/09      Analysis Date...: 12/23/09  
 Prep Batch #....: 9337330  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	3490	pg	87	EPA-14 1668
PCB 81 (BZ)	4000	3660	pg	92	EPA-14 1668
PCB 105 (BZ)	4000	3130 C	pg	78	EPA-14 1668
PCB 114 (BZ)	4000	3310	pg	83	EPA-14 1668
PCB 118 (BZ)	4000	3020 C	pg	76	EPA-14 1668
PCB 123 (BZ)	4000	3170	pg	79	EPA-14 1668
PCB 126 (BZ)	4000	3070	pg	77	EPA-14 1668
PCB 156 (BZ)	4000	3470	pg	87	EPA-14 1668
PCB 157 (BZ)	4000	3700	pg	93	EPA-14 1668
PCB 167 (BZ)	4000	4470	pg	112	EPA-14 1668
PCB 169 (BZ)	4000	4060	pg	101	EPA-14 1668
PCB 189 (BZ)	4000	3440	pg	86	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
13C12-PCB 77	80	(25 - 150)
13C12-PCB 81	77	(25 - 150)
13C12-PCB 118	90	(25 - 150)
13C12-PCB 114	81	(25 - 150)
13C12-PCB 105	86	(25 - 150)
13C12-PCB 126	87	(25 - 150)
13C12-PCB 156	103	(25 - 150)
13C12-PCB 157	91	(25 - 150)
13C12-PCB 167	80	(25 - 150)
13C12-PCB 169	82	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

C Co-eluting isomer.

# AIR, 1668, WHO PCB congeners

# **Raw Data Package**

## **Run/Batch Data**

***Includes (as applicable):***

***runlogs***

***continuing calibration standards***

***interference/performance check standards***

***continuing calibration blanks***

***method blanks***

***lcs***

***ms/sd***

***sample raw data***

***ms tune data***

Run text: LQFNE-1-AA      Sample text: LQFNE-1-AA :G9L030000-330B  
 Run #7    Filename: 23DE099D5    S: 4    I: 1    Results: 23DE099D51668MSLDEC  
 Acquired: 23-DEC-09    08:34:59      Processed: 23-DEC-09    20:05:55  
 Run: 23DE099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC1216099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000Sample

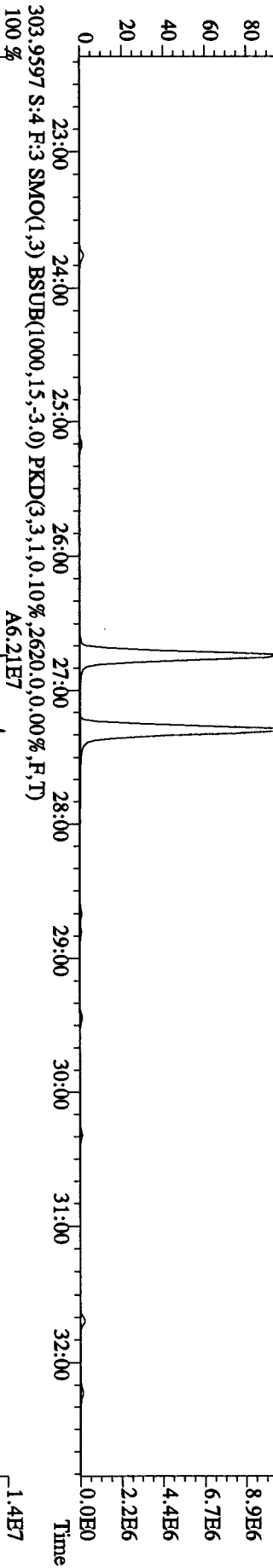
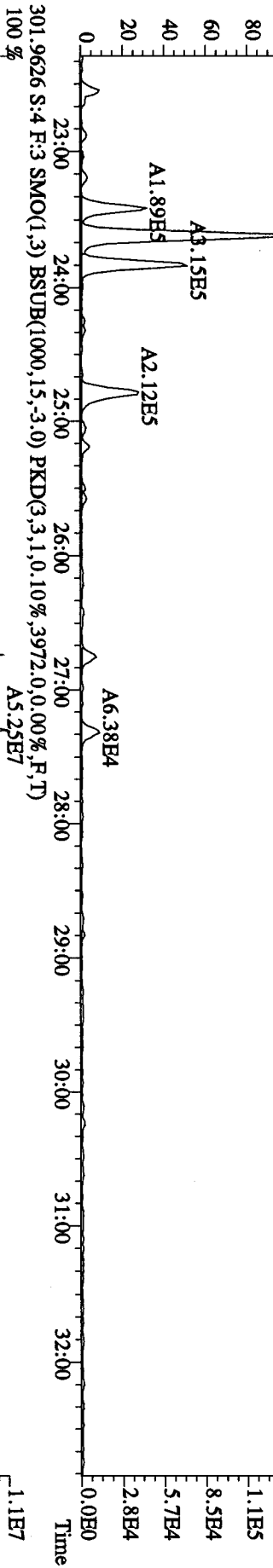
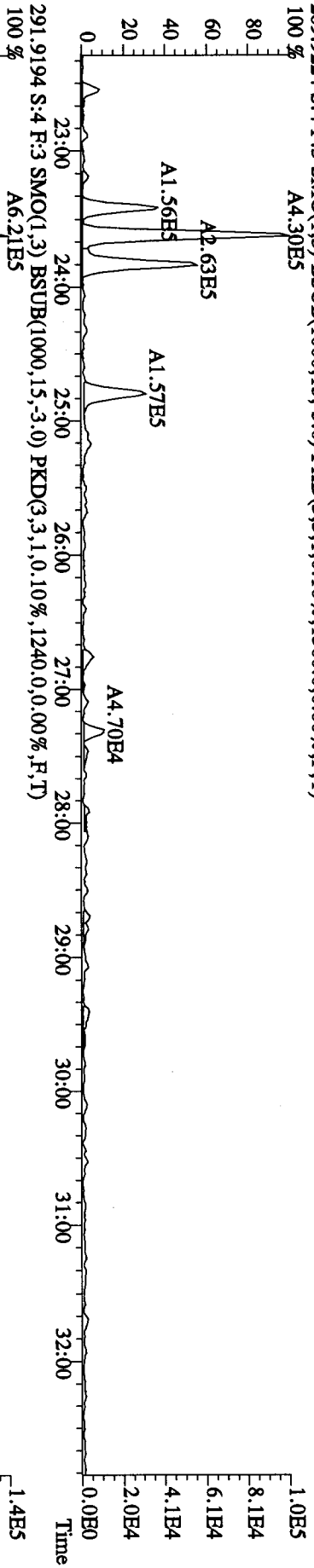
*11-1000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	131045100	0.66 y	25:10	-	359.83	-	-	n
13C-TCB-81	111212900	0.79 y	26:44	1.33	2556.73	1.68	63.9	n
TCB-81	69349	0.63 n	26:45	1.31	1.91	0.87	-	n
13C-TCB-77	117791600	0.80 y	27:18	1.38	2609.60	1.62	65.2	n
TCB-77	110782	0.74 y	27:18	1.15	3.26	0.98	-	n
13C-PeCB-123	99521900	0.64 y	28:39	1.07	2825.86	1.37	70.6	n
PeCB-123	53601	0.41 n	28:41	1.71	1.26	0.98	-	n
13C-PeCB-118	110214100	0.66 y	28:48	1.10	3046.55	1.33	76.2	n
PeCB-118/106	874261	0.54 y	28:49	1.78	17.86	0.88	-	n
13C-PeCB-114	107641100	0.66 y	29:26	1.15	2856.58	1.28	71.4	n
PeCB-114	48068	0.42 n	29:27	1.80	0.99	0.90	-	n
13C-PeCB-105	108764700	0.65 y	30:19	1.10	3009.67	1.33	75.2	n
PeCB-105/127	328802	0.57 y	30:21	1.62	7.47	1.02	-	n
13C-PeCB-126	123275700	0.66 y	32:13	1.21	3118.74	1.22	78.0	n
PeCB-126	49105	0.72 n	32:13	1.33	1.20	1.10	-	n
13C-OcCB-202	133475900	0.92 y	34:30	-	307.00	-	-	n
13C-HxCB-167	102413000	1.26 y	33:20	1.23	2498.37	2.08	62.5	n
HxCB-167	50992	1.21 y	33:21	1.21	1.65	1.01	-	n
13C-HxCB-156	106785800	1.30 y	34:38	0.97	3289.20	2.63	82.2	n
HxCB-156	105027	1.36 y	34:39	1.47	2.68	0.83	-	n
13C-HxCB-157	99769000	1.25 y	34:57	1.04	2873.58	2.46	71.8	n
HxCB-157	47547	1.40 y	34:59	1.48	1.29	0.85	-	n
13C-HxCB-169	102130900	1.26 y	36:47	1.16	2643.29	2.21	66.1	n
HxCB-169	*	* n	NotFnd	0.98	*	1.29	-	n
13C-HpCB-180	81581500	1.01 y	35:35	0.81	3015.83	0.56	75.4	n
HpCB-180	429477	1.06 y	35:36	1.34	15.75	0.57	-	n
13C-HpCB-170	70608900	1.01 y	37:13	0.66	3215.02	0.69	80.4	n
HpCB-170/190	212857	1.06 y	37:15	1.62	7.46	0.57	-	n
13C-HpCB-189	94932100	1.01 y	38:52	0.91	3128.28	0.50	78.2	n
HpCB-189	51402	1.05 y	38:53	1.23	1.76	0.56	-	n
13C-DeCB-209	65190900	0.72 y	43:56	0.69	2821.44	0.00	70.5	n
DECB-209	146281	0.62 y	43:57	1.53	5.86	0.12	-	n
13C-PeCB-111	107249200	0.65 y	26:37	1.28	3151.91	1.49	78.8	n

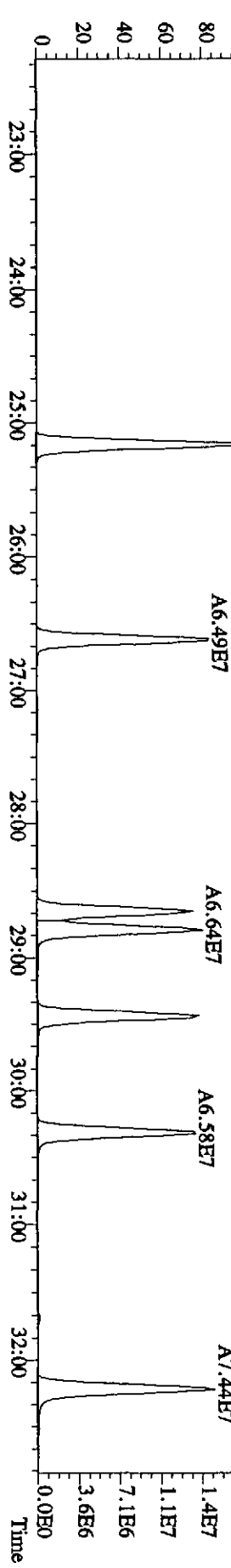
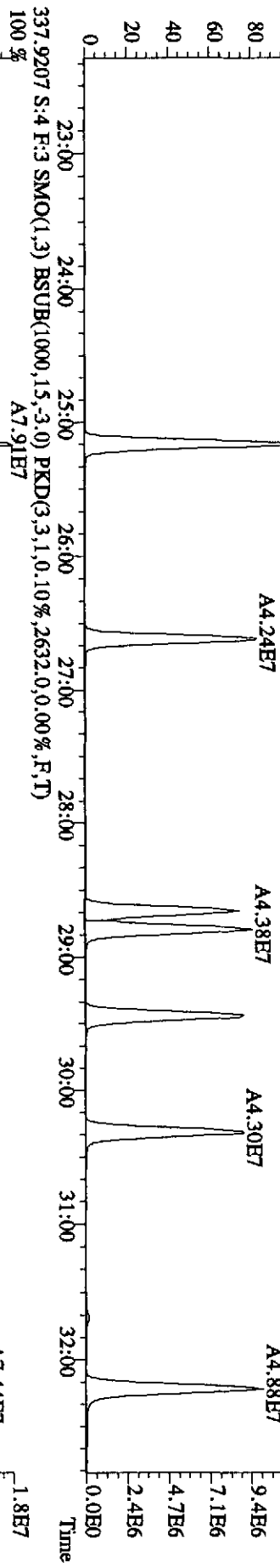
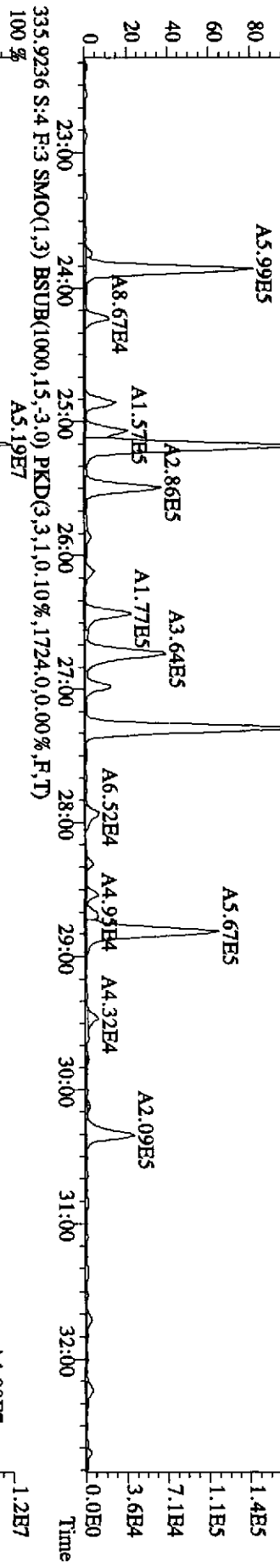
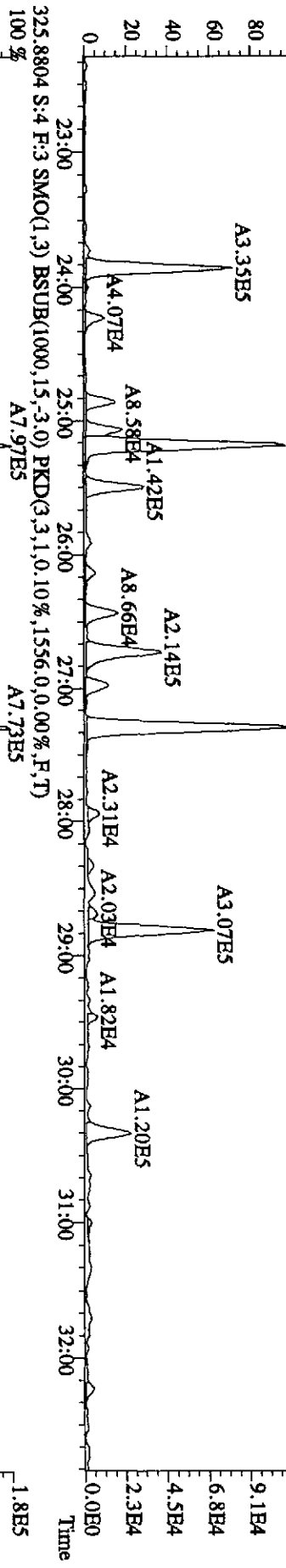
*LRL*

*Sh 12/19/15*

File: 23DE099D5 #1-595 Acq: 23-DEC-2009 08:34:59 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: LQFNBE-1-AA :G9L030000-330B Exp: 209DB5  
 289.9224 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1560,0,0,00%,F,T)  
 100%

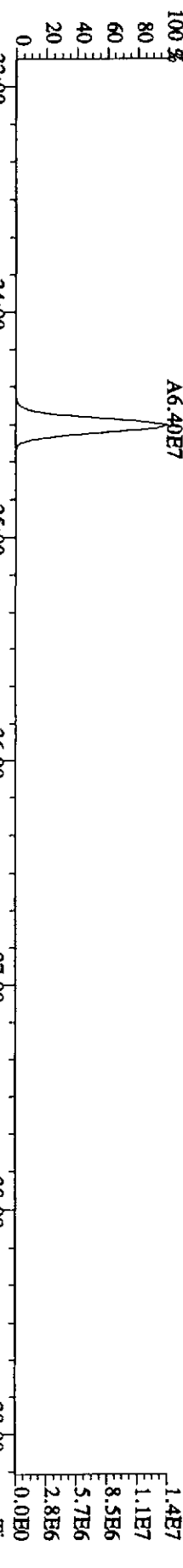


File:23DDE099D5 #1-595 Acq:23-DEC-2009 08:34:59 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#4 Text:LQFNE-1-AA :G9L030000-330B Exp:209DB5  
 323.8834 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,2152,0.0,0.00%,F,T)  
 100%

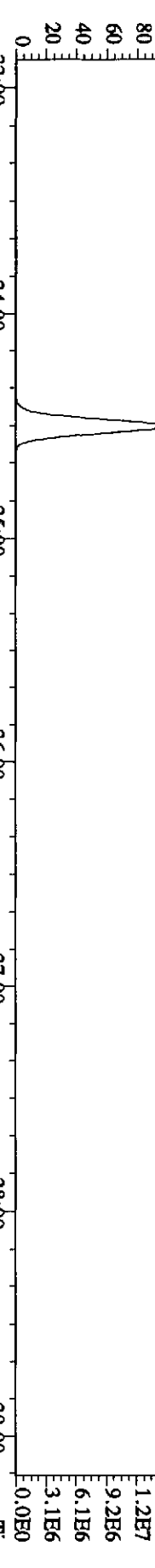




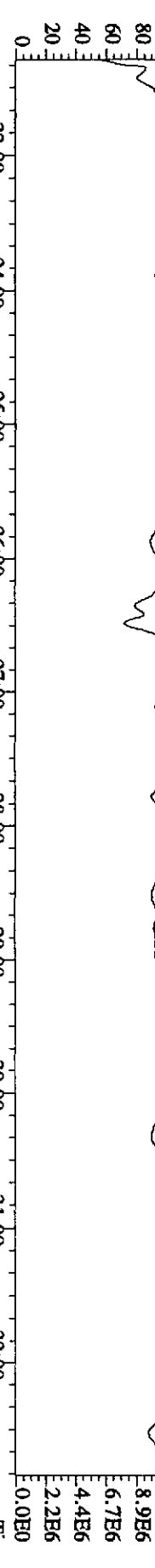
File: 23DE099D5 #1-385 Acq: 23-DEC-2009 08:34:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text: LQFNH-1-AA : G9L030000-330B Exp: 209DB5  
 439.8038 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,0.0,0.00%,F,T)  
 46.40E7



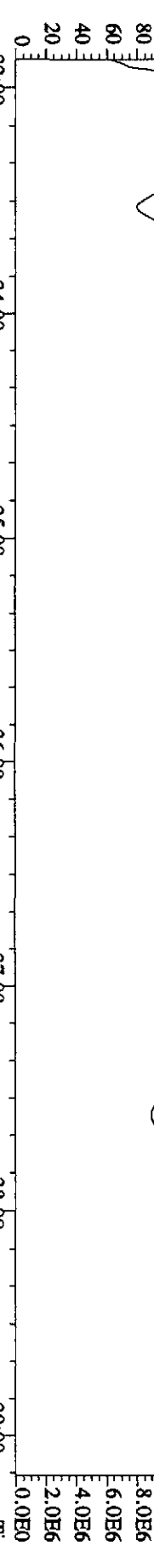
441.8008 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,0.0,0.00%,F,T)  
 A6.94E7



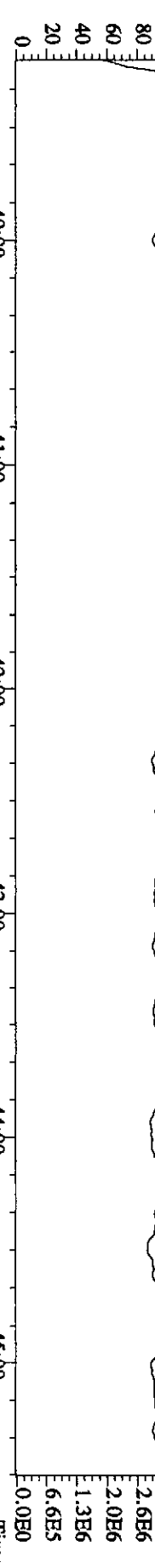
380.9760 S:4 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 1.1E7



380.9760 S:4 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 1.0E7



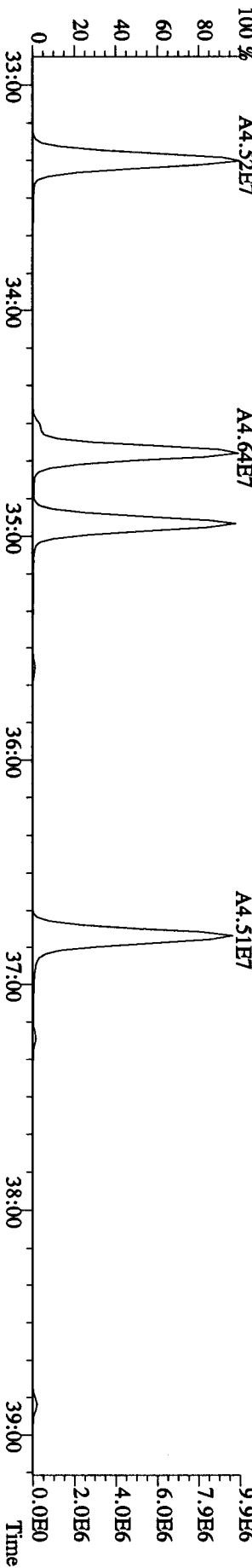
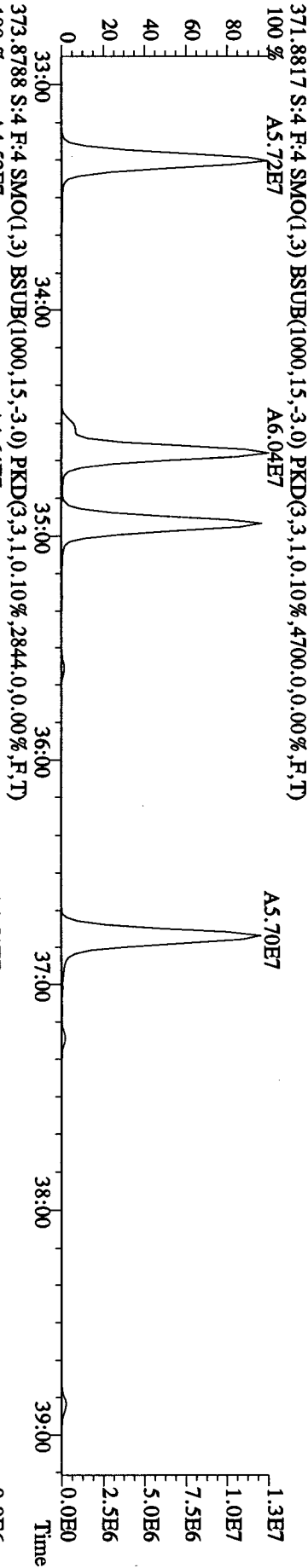
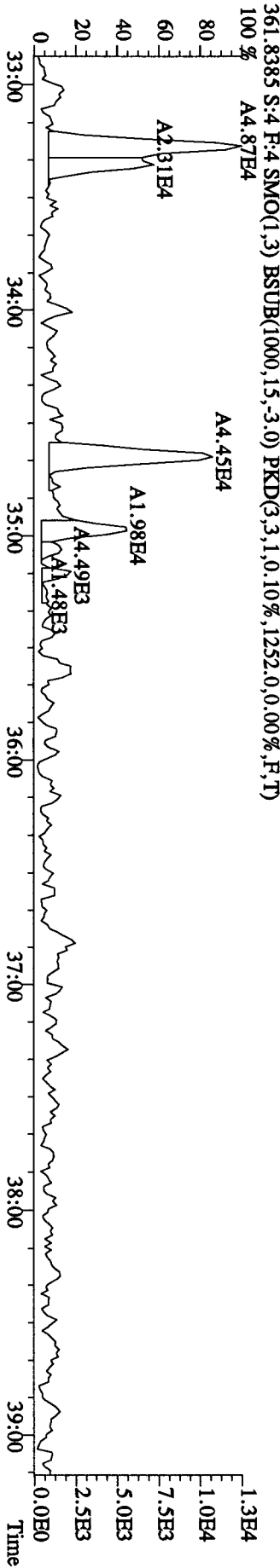
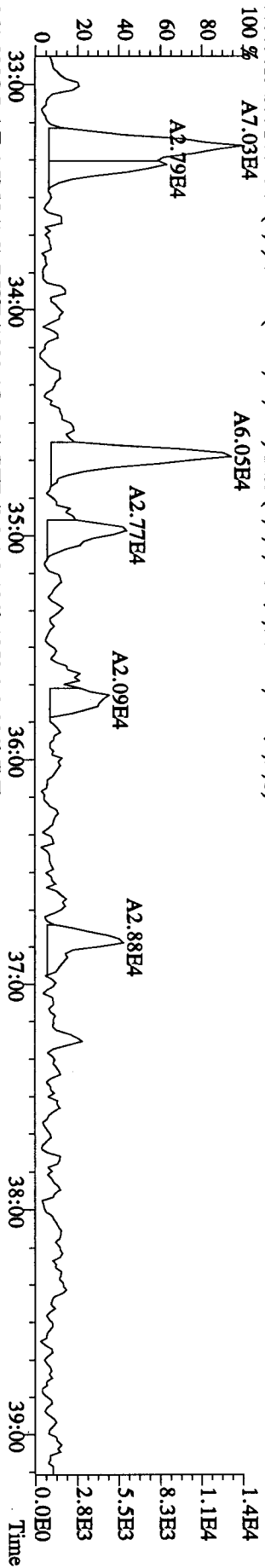
480.9696 S:4 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)  
 3.3E6



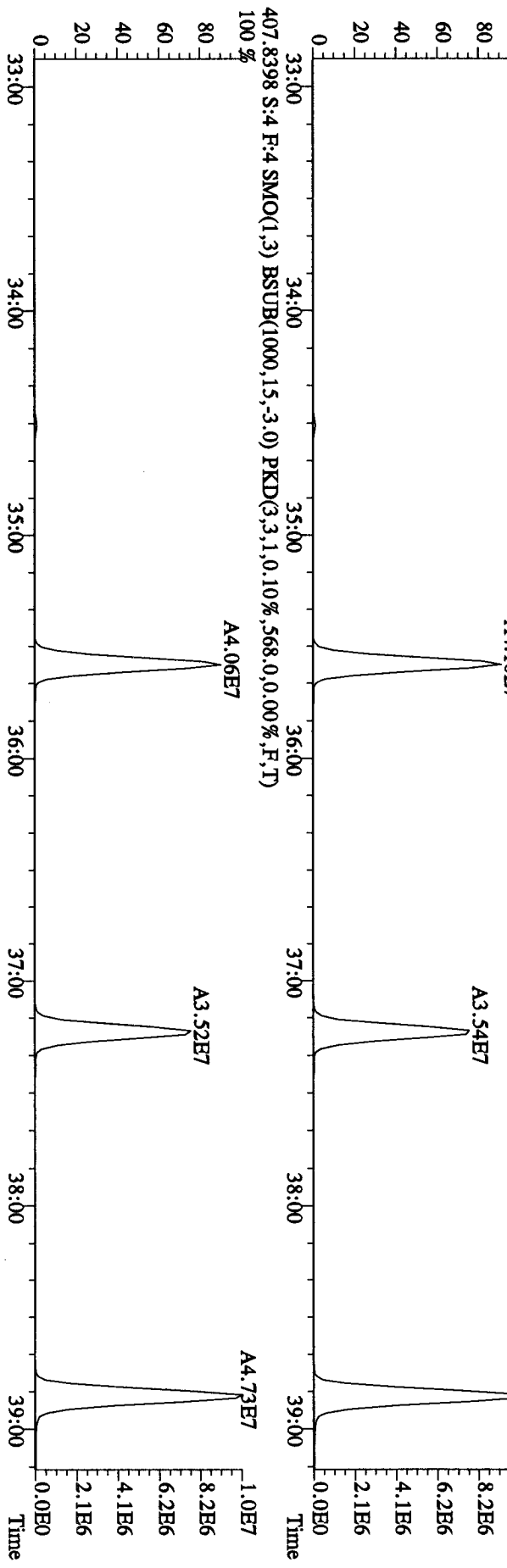
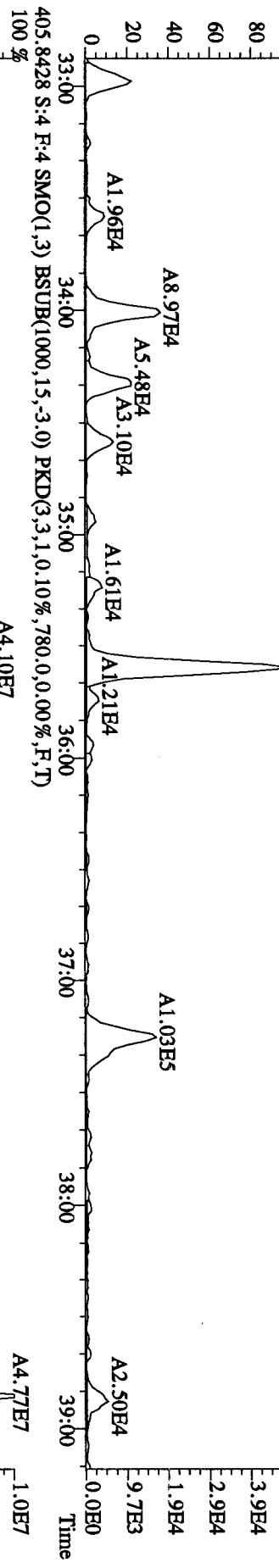
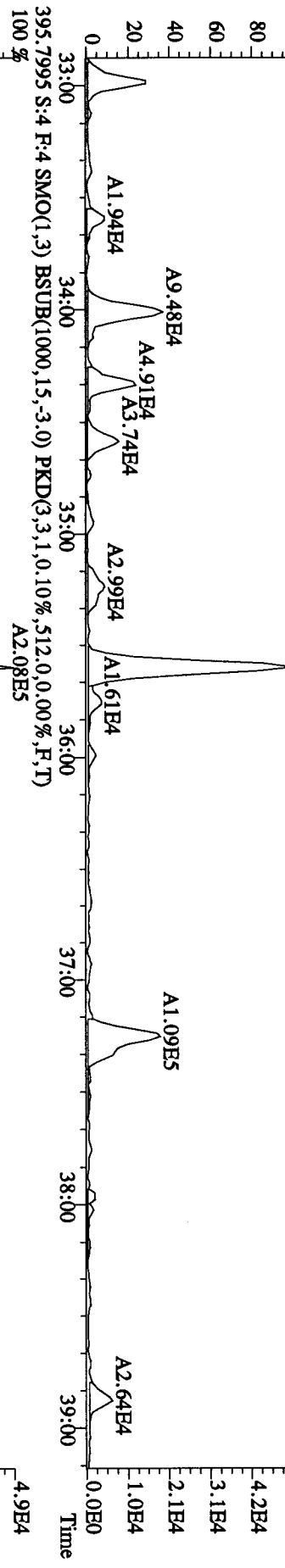
1.4E7  
 1.1E7  
 8.5E6  
 5.7E6  
 2.8E6  
 1.5E7  
 1.2E7  
 9.2E6  
 6.1E6  
 3.1E6  
 2.6E6  
 2.0E6  
 1.3E6  
 6.6E5  
 0.0E0

Sample#4 Text:LQFNE-1-AA :G9L030000-330B Exp:209DB5

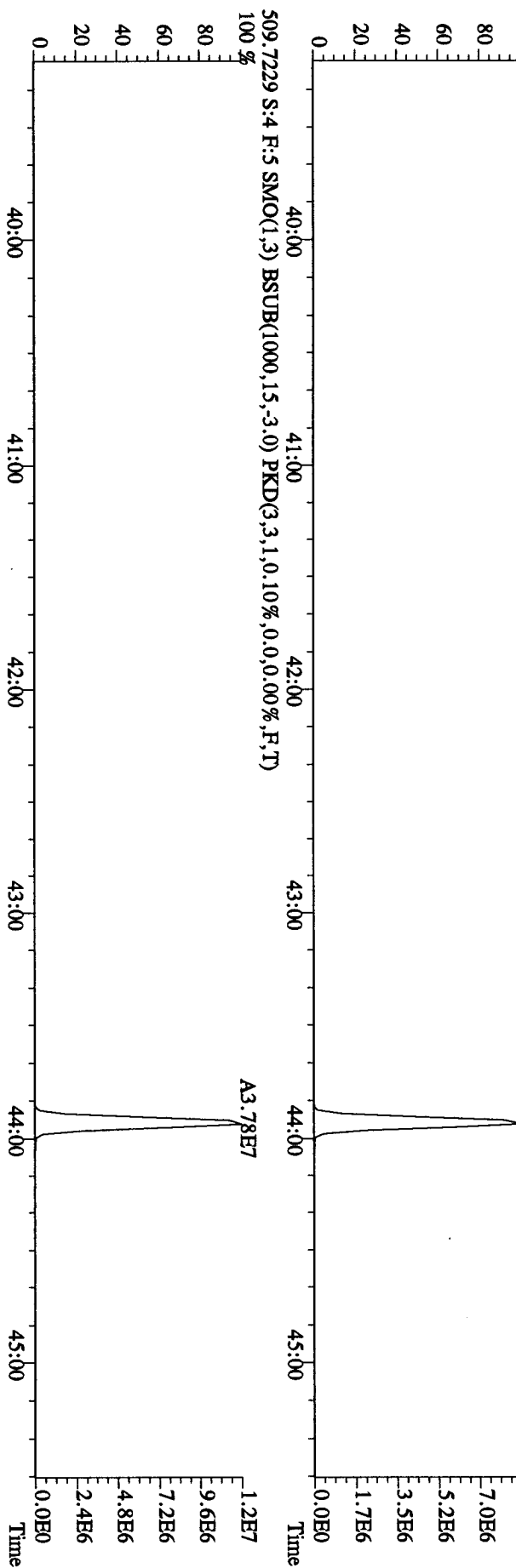
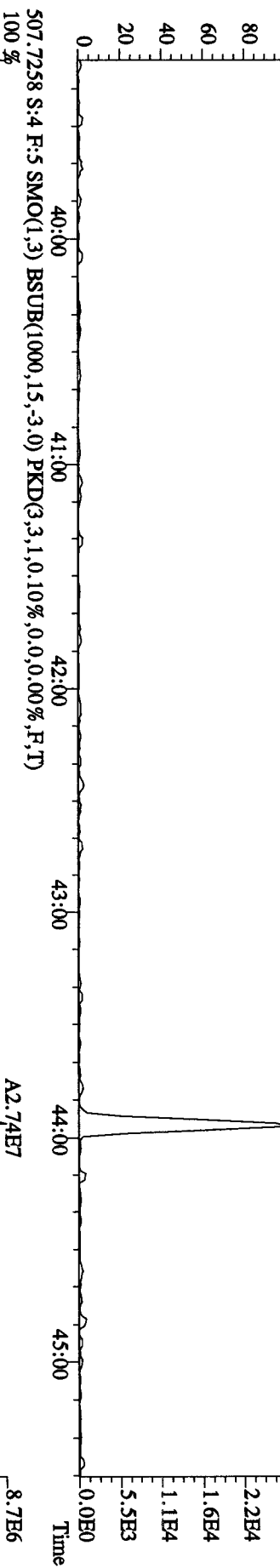
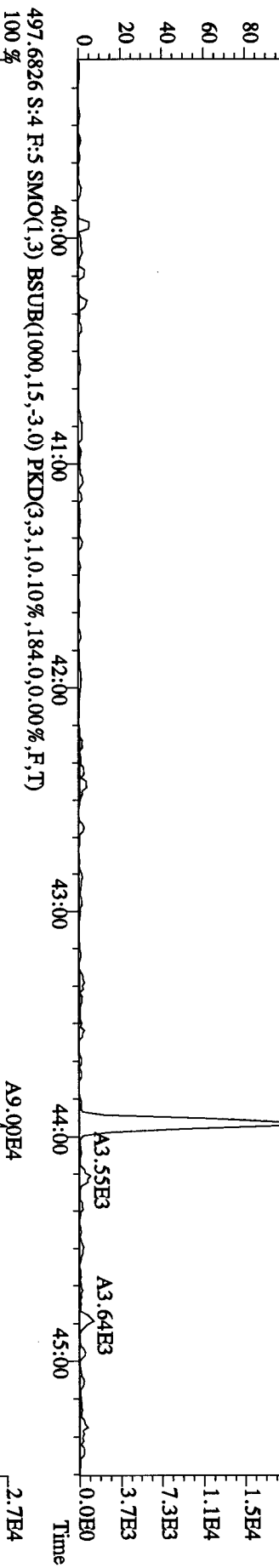
359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1480.0,0.00%,F,T) 100%



File: 23DBE099D5 #1.385 Acq: 23-DEC-2009 08:34:59 GC EI + Voltage SIR Autospec-UltimaB  
 Sample#4 Text: LQFNE-1-AA : G9L030000-330B Exp: 209DB5  
 393.8025 S: 4 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,904.0,0.00%,F,T) A2.21E5



File:23DBE099D5 #1-419 Acq:23-DEC-2009 08:34:59 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text:LOFNE-1-AA :G9L030000-330B Exp:209DB5  
 495.6856 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,184.0,0.00%,F,T)  
 100 %

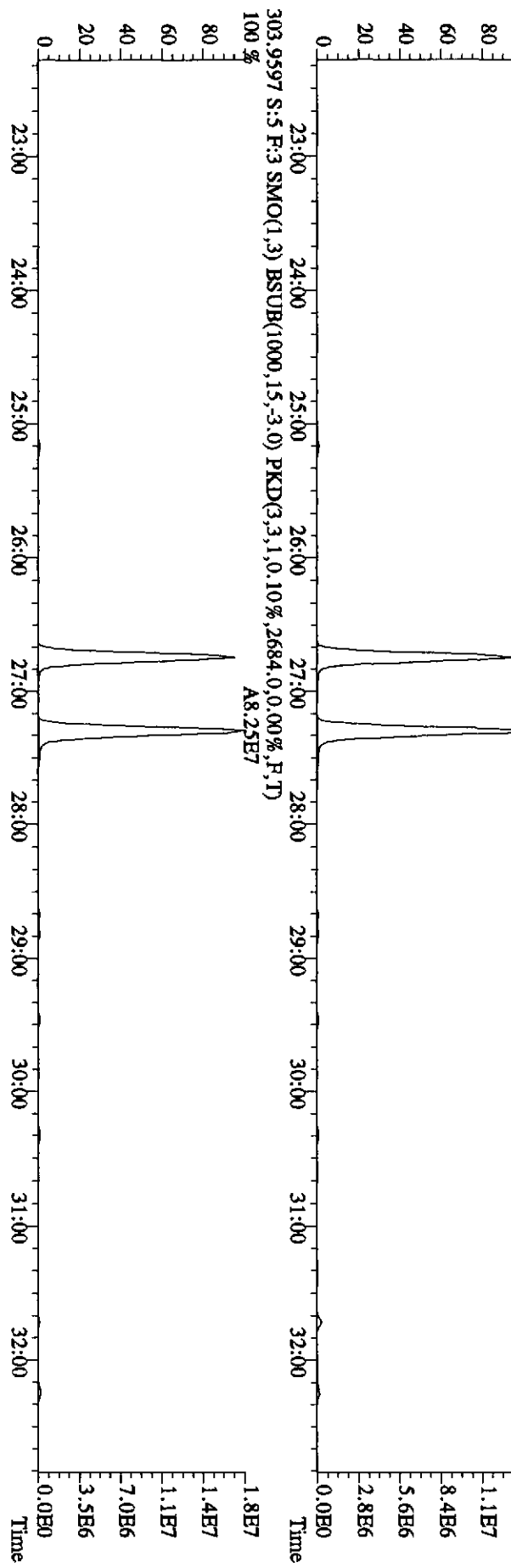
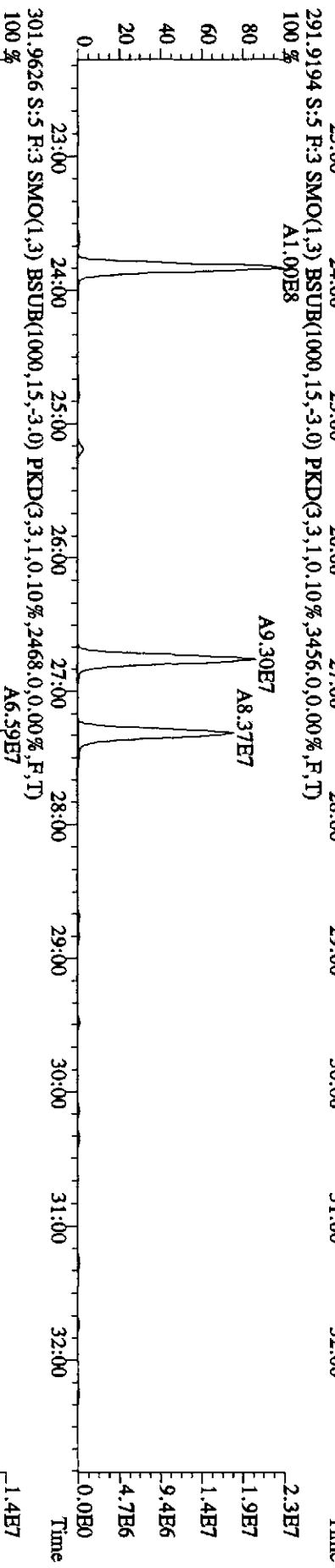
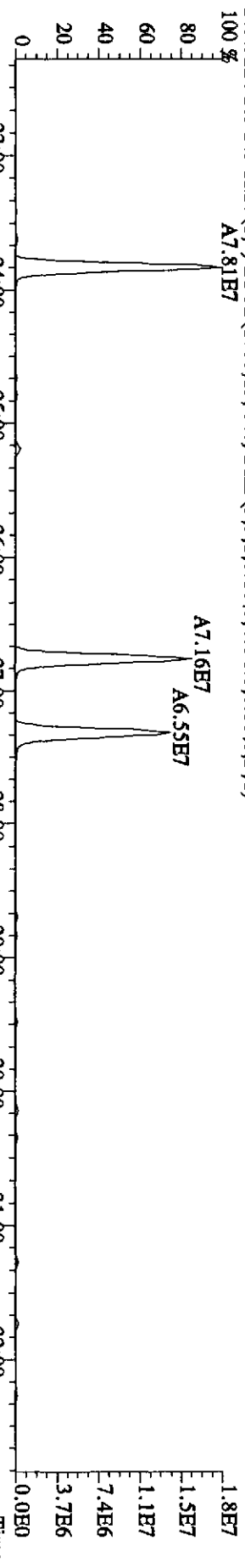


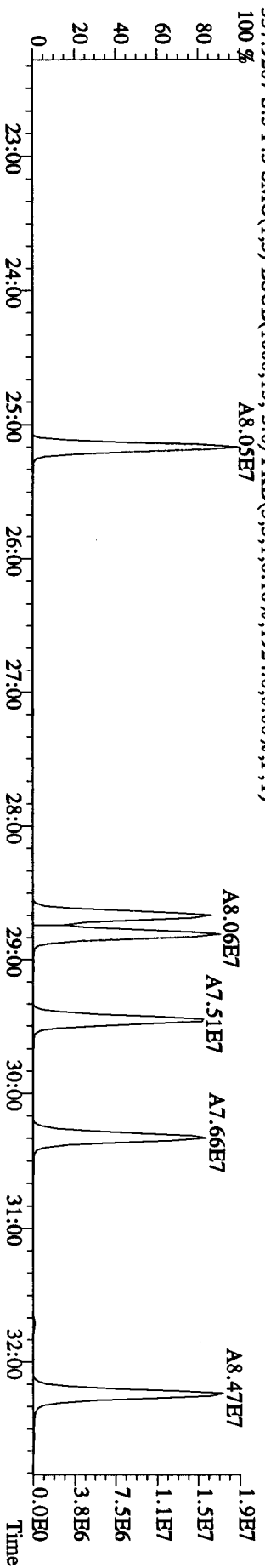
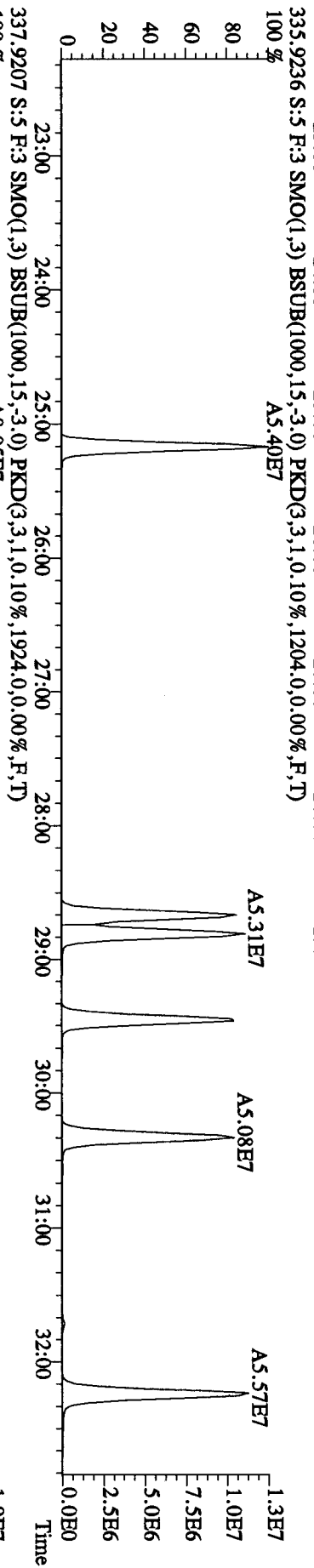
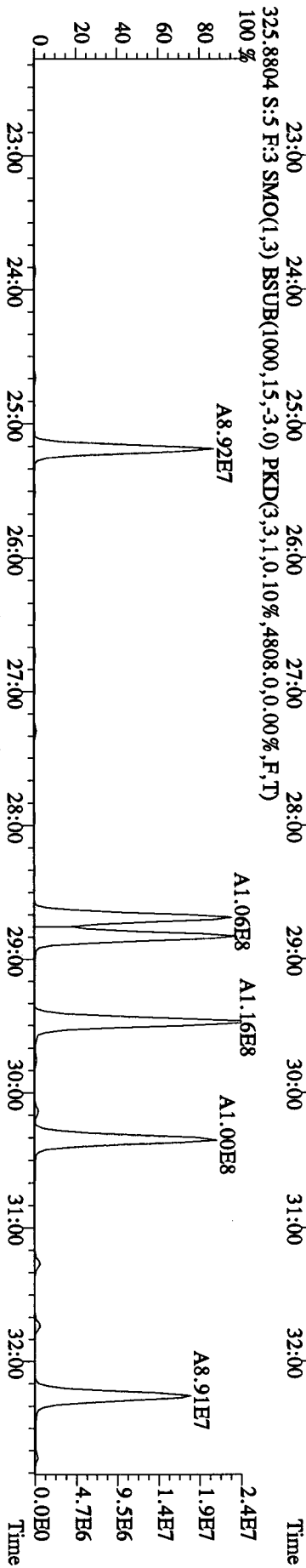
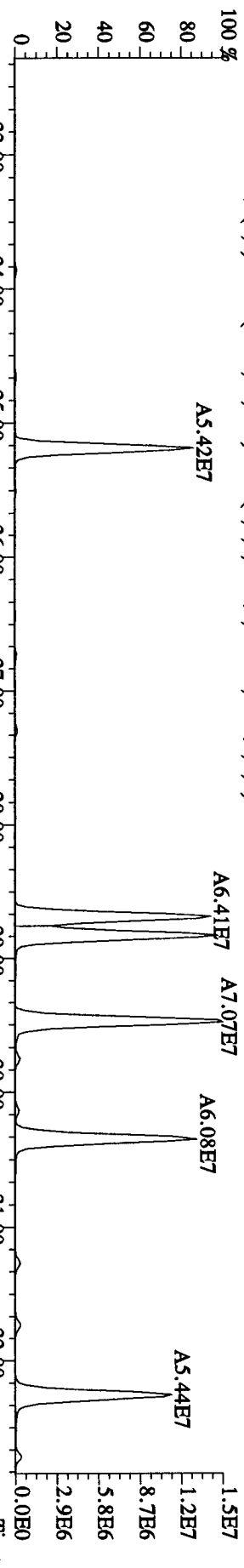
Run text: LQFNE-1-AC      Sample text: LQFNE-1-AC :G9L030000-330C  
 Run #8    Filename: 23DE099D5    S: 5    I: 1      Results: 23DE099D51668MSLDEC  
 Acquired: 23-DEC-09    09:26:16      Processed: 23-DEC-09    20:05:55  
 Run: 23DE099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC1216099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000Sample

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	134503300	0.67 y	25:10	-	369.33	-	-	n
13C-TCB-81	137513700	0.79 y	26:45	1.33	3080.10	1.24	77.0	n
TCB-81	164618700	0.77 y	26:46	1.31	3660.47	2.10	-	n
13C-TCB-77	148442000	0.80 y	27:18	1.38	3204.08	1.19	80.1	n
TCB-77	149120000	0.78 y	27:19	1.15	3485.55	2.27	-	n
13C-PeCB-123	125677300	0.66 y	28:40	1.07	3476.77	0.93	86.9	n
PeCB-123	169981000	0.61 y	28:41	1.71	3172.54	1.48	-	n
13C-PeCB-118	133733500	0.66 y	28:49	1.10	3601.63	0.90	90.0	n
PeCB-118/106	179369500	0.61 y	28:50	1.78	3020.23	1.36	-	n
13C-PeCB-114	125746400	0.67 y	29:28	1.15	3251.26	0.87	81.3	n
PeCB-114	187140200	0.61 y	29:29	1.80	3309.51	1.45	-	n
13C-PeCB-105	127353100	0.66 y	30:20	1.10	3433.44	0.91	85.8	n
PeCB-105/127	161153500	0.61 y	30:21	1.62	3128.92	1.60	-	n
13C-PeCB-126	140461700	0.66 y	32:14	1.21	3462.16	0.83	86.6	n
PeCB-126	143555700	0.61 y	32:15	1.33	3073.49	1.78	-	n
13C-OcCB-202	119475700	0.91 y	34:32	-	274.80	-	-	n
13C-HxCB-167	117052800	1.26 y	33:22	1.23	3190.12	2.12	79.8	n
HxCB-167	158033600	1.25 y	33:23	1.21	4474.42	3.90	-	n
13C-HxCB-156	119719800	1.29 y	34:40	0.97	4119.71	2.67	103.0	n
HxCB-156	152246600	1.27 y	34:41	1.47	3465.13	3.17	-	n
13C-HxCB-157	112808500	1.25 y	34:58	1.04	3629.88	2.50	90.7	n
HxCB-157	154392800	1.24 y	35:00	1.48	3701.53	3.29	-	n
13C-HxCB-169	113410700	1.25 y	36:49	1.16	3279.18	2.24	82.0	n
HxCB-169	112577000	1.25 y	36:50	0.98	4059.75	4.93	-	n
13C-HpCB-180	89857100	1.04 y	35:37	0.81	3711.00	0.86	92.8	n
HpCB-180	106250400	1.06 y	35:39	1.34	3537.06	1.42	-	n
13C-HpCB-170	76361400	1.02 y	37:16	0.66	3884.38	1.06	97.1	n
HpCB-170/190	105282200	1.04 y	37:17	1.62	3410.29	1.36	-	n
13C-HpCB-189	100242300	1.02 y	38:54	0.91	3690.34	0.76	92.3	n
HpCB-189	105844200	1.06 y	38:55	1.23	3441.48	1.40	-	n
13C-DeCB-209	46909400	0.73 y	43:57	0.69	2268.12	0.13	56.7	n
DECB-209	64310500	0.72 y	43:58	1.53	3577.71	0.22	-	n
13C-PeCB-111	*	* n	NotFnd	1.28	*	0.92	*	n

*Se 2/29/09*

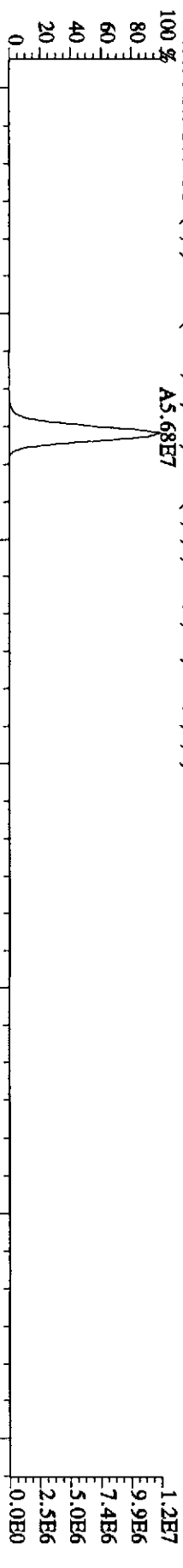
File:23DDE099D5 #1-595 Acq:23-DEC-2009 09:26:16 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:LOHNE-1-AC :G9L030000-330C Exp:209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4796,0,0,00%,F,T)  
 100%



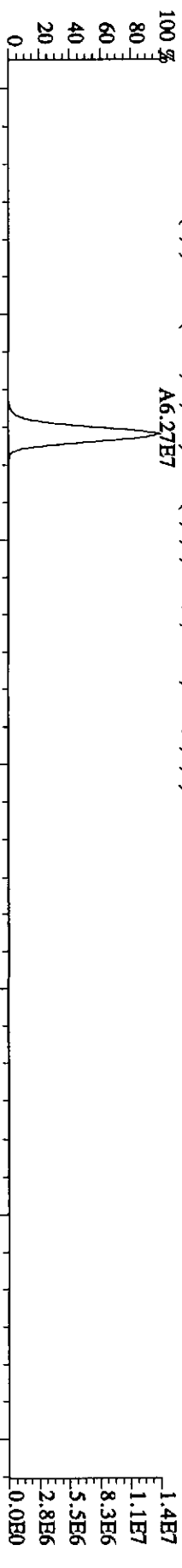


Sample# 5 Text: LQFNE-1-AC : G9L030000-330C Exp: 209DB5

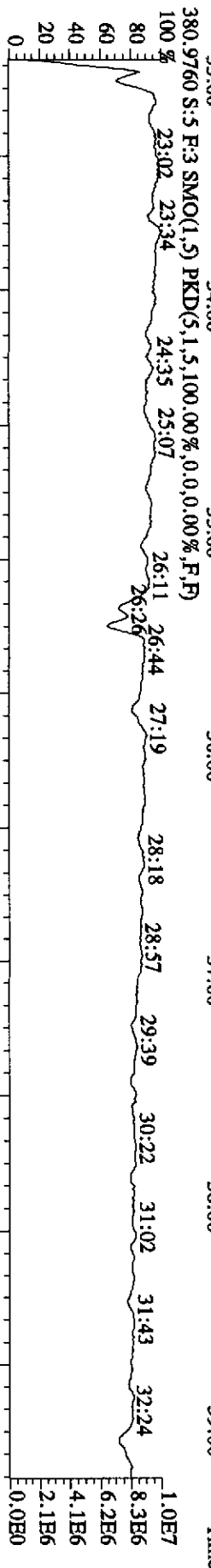
439.8038 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4,0,0,00%,F,T)



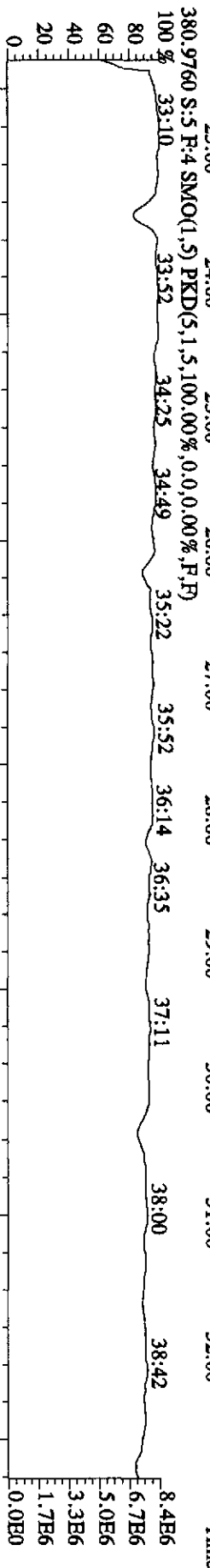
441.8008 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,256,0,0,00%,F,T)



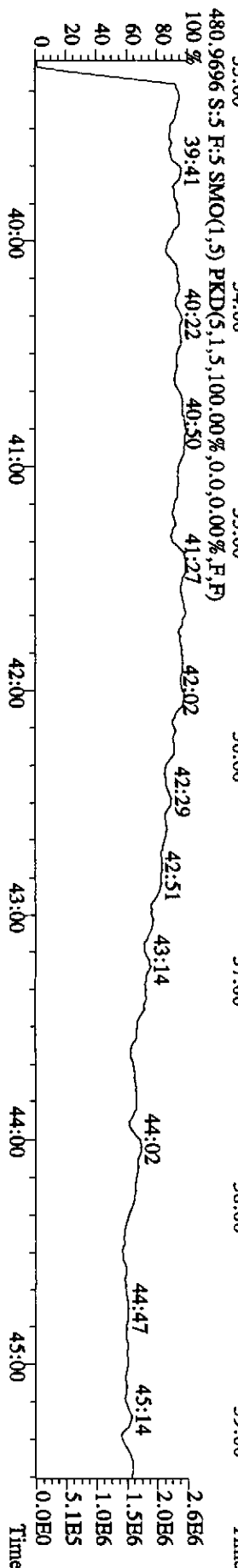
380.9760 S:5 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



380.9760 S:5 F:4 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)



480.9696 S:5 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)





Sample#5 Text:1:QFNB-1-AC :G9L030000-330C

Exp:209DB5

359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4680,0,0,00%,F,T)

100%

1.9E7

A5.87E7

A6.26E7

1.5E7

1.1E7

3.8E6

361.8385 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4680,0,0,00%,F,T)

100%

1.5E7

A7.01E7

A6.88E7

A5.00E7

1.2E7

9.1E6

6.1E6

3.0E6

371.8817 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3748,0,0,00%,F,T)

100%

1.4E7

A6.53E7

A6.74E7

A6.31E7

1.1E7

8.5E6

5.7E6

2.8E6

373.8788 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3052,0,0,00%,F,T)

100%

1.1E7

A5.18E7

A5.23E7

A5.03E7

9.0E6

6.8E6

4.5E6

2.3E6

33:00

34:00

35:00

36:00

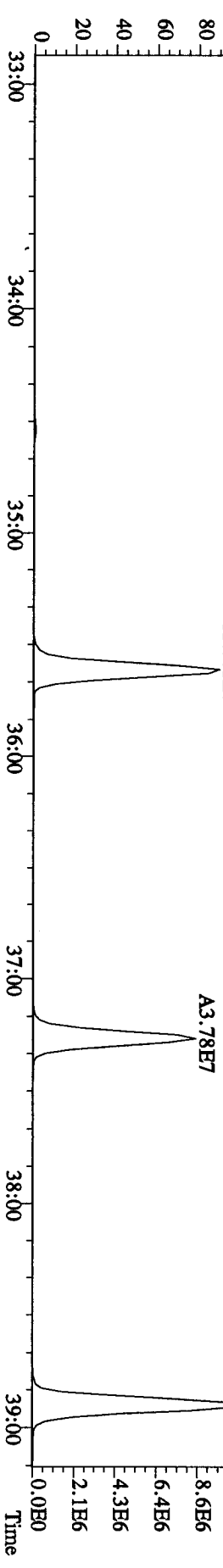
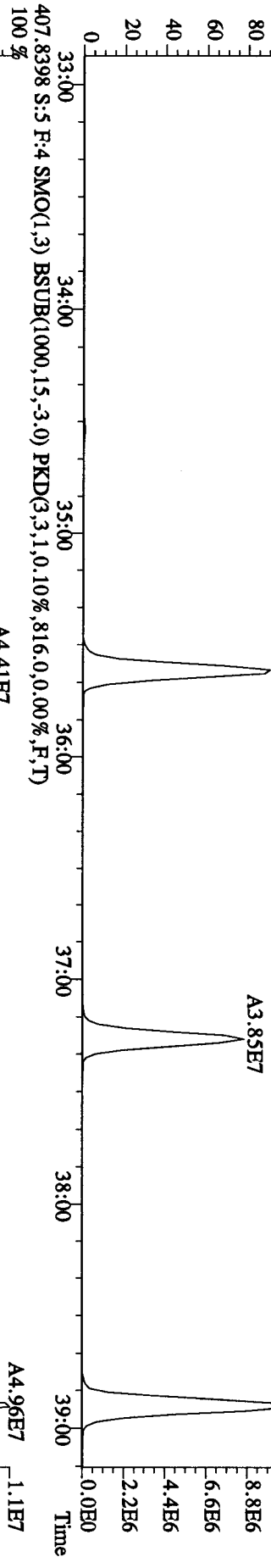
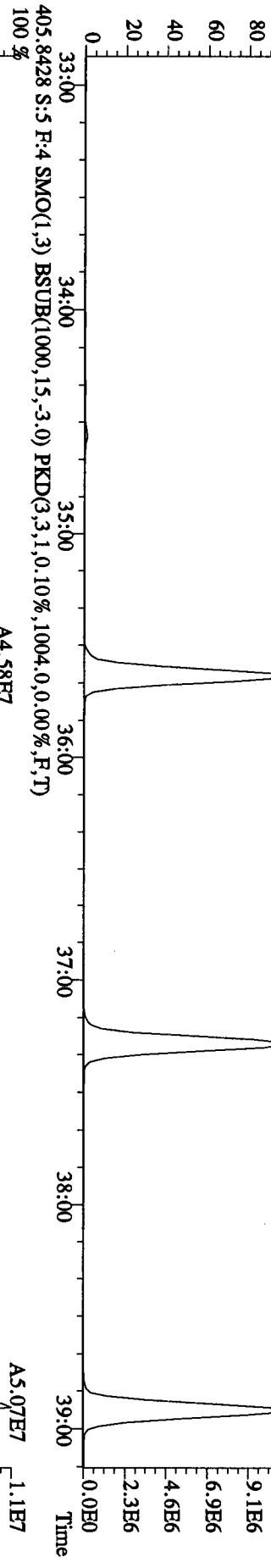
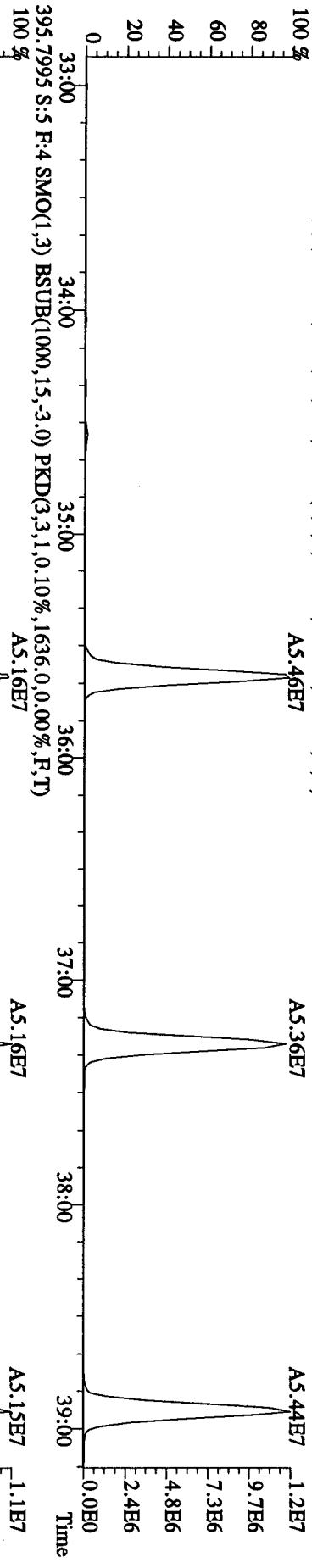
37:00

38:00

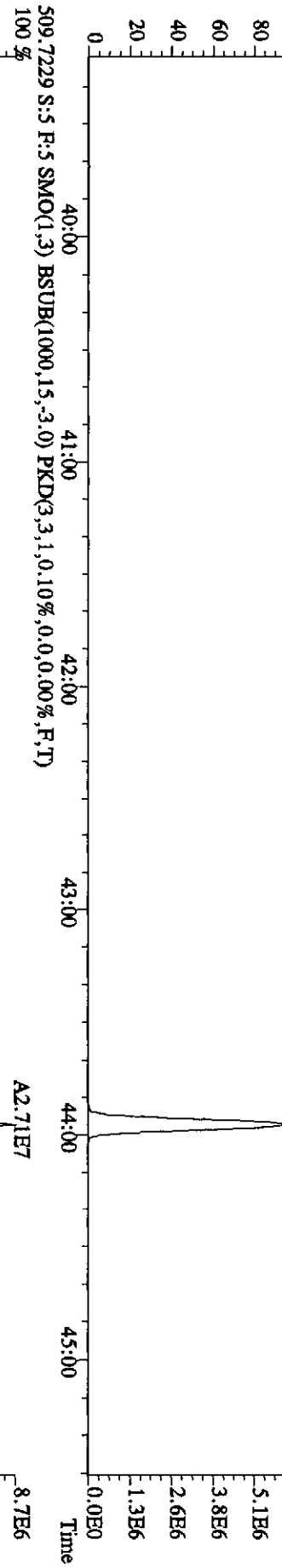
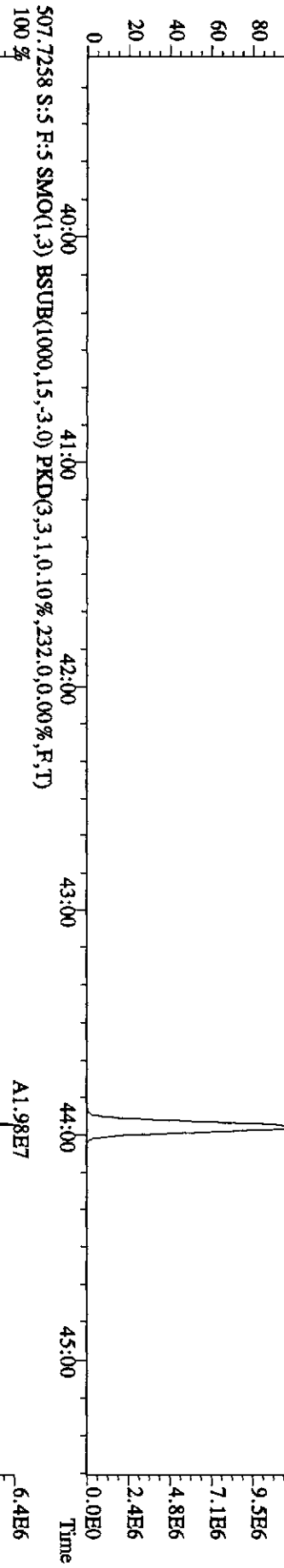
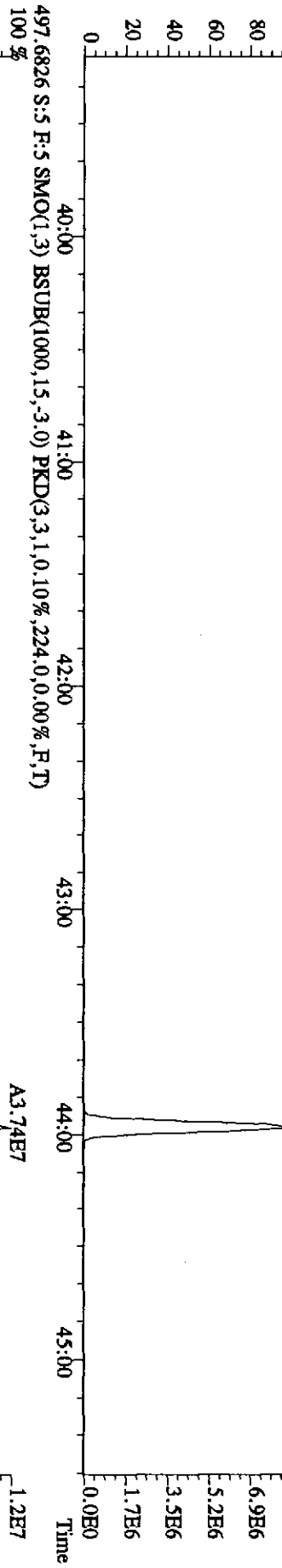
39:00

Time

File:23DB099D5 #1-385 Acq:23-DEC-2009 09:26:16 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#5 Text:LOFNE-1-AC :G9L030000-330C Exp:209DB5  
 393.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,2116,0.0,0.00%,F,T) 100 %



File: 23DEC099D5 #1-420 Acq: 23-DEC-2009 09:26:16 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text: LQFNE-1-AC :G9L030000-330C Exp: 209DB5  
 497.6826 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,224,0,0.00%,F,T)  
 100 %



Run text: LQALL-1-AA      Sample text: LQALL-1-AA :G9L010507-1  
 Run #12 Filename: 22DE099D5    S: 12    I: 1      Results: 22DE099D51668MSLDEC  
 Acquired: 22-DEC-09    21:14:34      Processed: 23-DEC-09    11:29:18  
 Run: 22DE099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC1216099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000Sample

*RL-1000*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	36216300	0.66 y	25:22	-	99.45	-	-	n
13C-TCB-81	53414500	0.78 y	26:55	1.33	4443.31	5.75	111.1	n
TCB-81	463324	0.50 n	26:54	1.31	26.52	6.47	-	n
13C-TCB-77	57832800	0.80 y	27:28	1.38	4636.07	5.55	115.9	n
TCB-77	1475474	0.81 y	27:29	1.15	88.52	6.89	-	n
13C-PeCB-123	41214600	0.64 y	28:48	1.07	4234.47	2.85	105.9	n
PeCB-123	521619	0.48 n	28:50	1.71	29.69	4.35	-	n
13C-PeCB-118	41273100	0.64 y	28:56	1.10	4128.14	2.78	103.2	n
PeCB-118/106	14196210	0.59 y	28:57	1.78	774.53	4.23	-	n
13C-PeCB-114	42848200	0.64 y	29:33	1.15	4114.51	2.67	102.9	n
PeCB-114	357687	0.47 n	29:34	1.80	18.56	4.10	-	n
13C-PeCB-105	43234900	0.66 y	30:25	1.10	4328.95	2.78	108.2	n
PeCB-105/127	4904840	0.53 y	30:27	1.62	280.51	4.57	-	n
13C-PeCB-126	51232300	0.64 y	32:18	1.21	4689.89	2.54	117.2	n
PeCB-126	122058	0.63 y	32:18	1.33	7.16	4.93	-	n
13C-OcCB-202	40991500	0.97 y	34:33	-	94.28	-	-	n
13C-HxCB-167	58024500	1.26 y	33:25	1.23	4609.17	4.17	115.2	n
HxCB-167	*	* n	NotFnd	1.21	*	3.11	-	n
13C-HxCB-156	57677600	1.27 y	34:41	0.97	5784.86	5.26	144.6	n
HxCB-156	879927	1.20 y	34:42	1.47	41.57	2.64	-	n
13C-HxCB-157	56411400	1.25 y	35:00	1.04	5290.58	4.92	132.3	n
HxCB-157	206888	1.25 y	35:01	1.48	9.92	2.59	-	n
13C-HxCB-169	58390300	1.26 y	36:50	1.16	4920.82	4.42	123.0	n
HxCB-169	*	* n	NotFnd	0.98	*	3.86	-	n
13C-HpCB-180	40195700	0.99 y	35:37	0.81	4838.43	3.35	121.0	n
HpCB-180	6263970	1.00 y	35:39	1.34	466.16	2.84	-	n
13C-HpCB-170	34456400	1.00 y	37:17	0.66	5108.62	4.13	127.7	n
HpCB-170/190	1526809	1.01 y	37:18	1.62	109.60	2.72	-	n
13C-HpCB-189	48539800	1.00 y	38:53	0.91	5208.34	2.99	130.2	n
HpCB-189	62349	1.52 n	38:55	1.23	4.19	2.46	-	n
13C-DeCB-209	13290250	0.78 y	43:56	0.69	1872.95	1.48	46.8	n
DECB-209	180485	0.73 y	43:57	1.53	35.44	3.10	-	n
13C-PeCB-111	39735600	0.64 y	26:48	1.28	2952.11	2.23	73.8	n

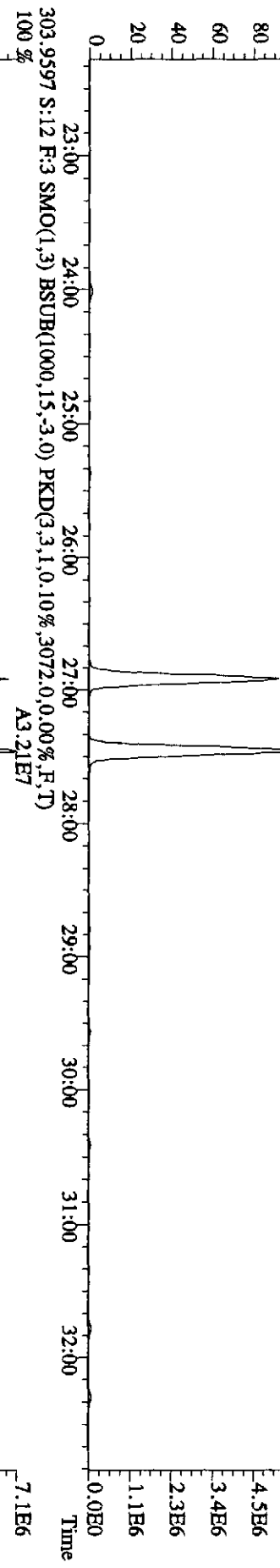
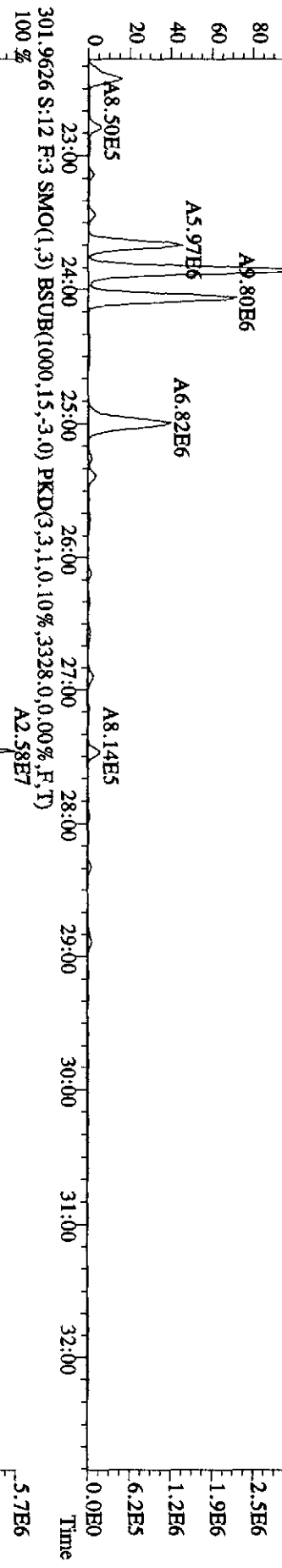
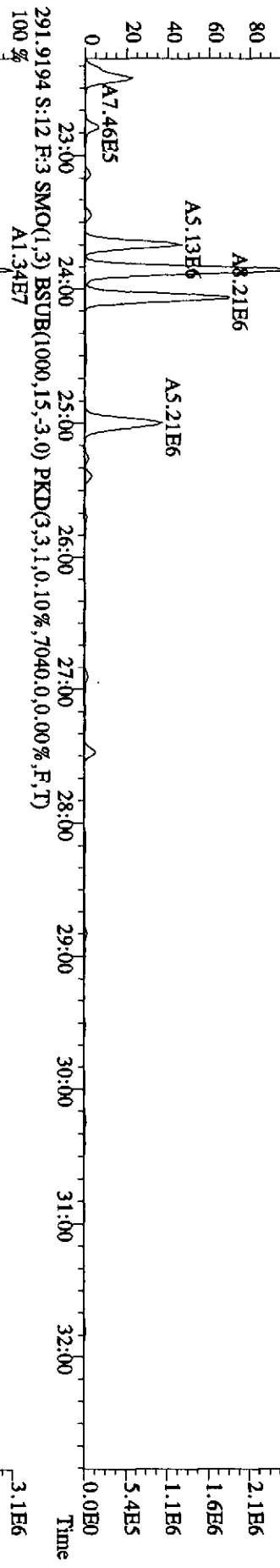
*CR*

*Sh 12/19/09*

File:22DB099D5 #1-596 Acq:22-DEC-2009 21:14:34 GC EI+ Voltage SIR Autospec-UltimaB

Sample#12 Text:QALL-1-AA :G9L010507-1 Exp:209DB5

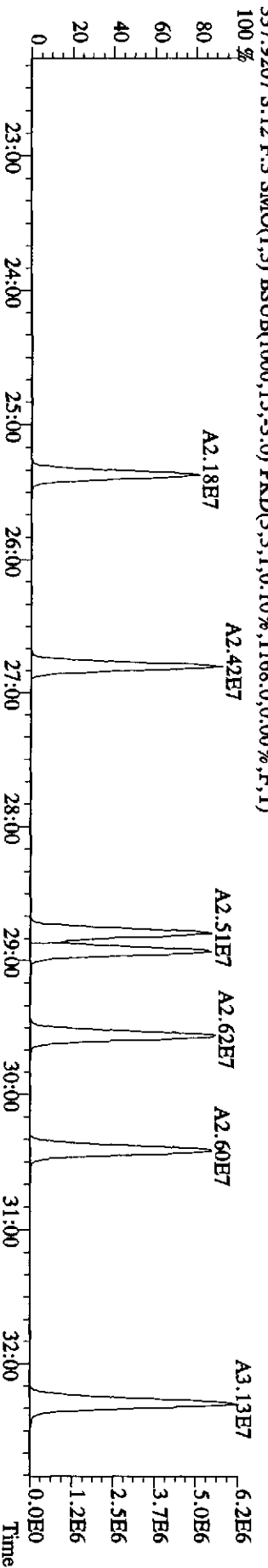
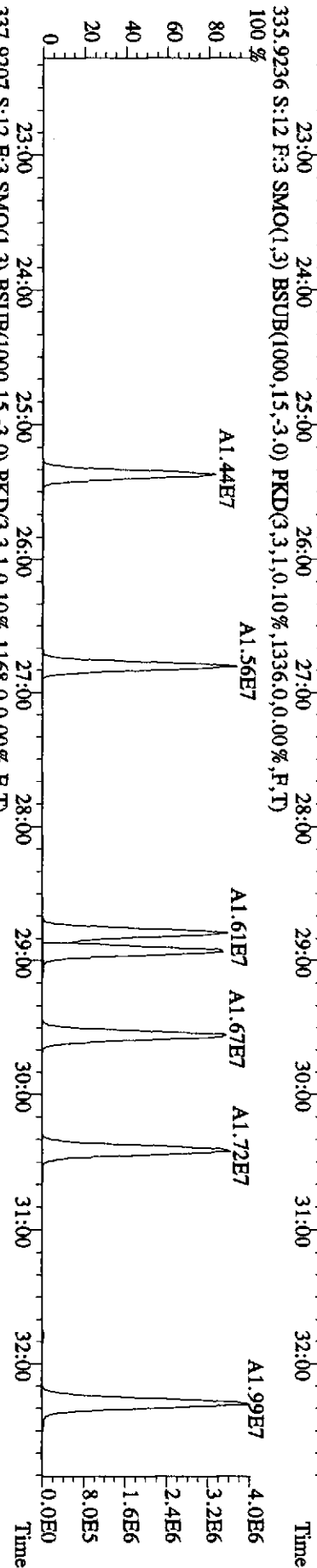
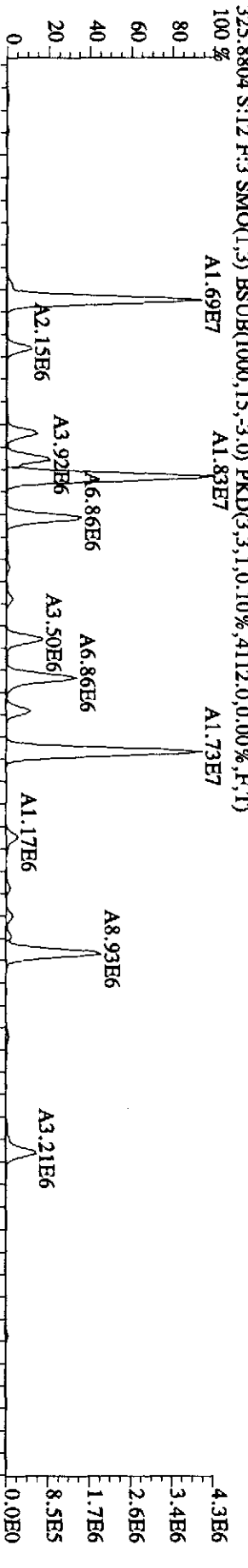
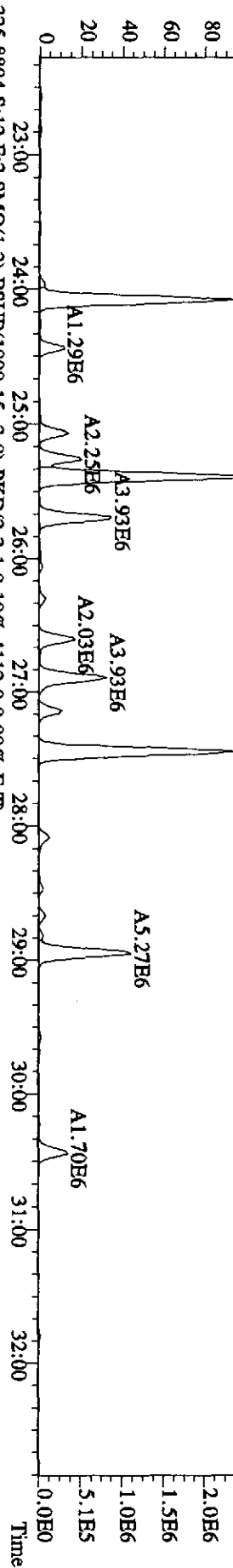
289.9224 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3076,0,0,00%,F,T) 100%



File:22IDB099D5 #1-596 Acq:22-DEC-2009 21:14:34 GC FI + Voltage SIR Autospec-UltimaB

Sample#12 Text:LOALL-1-AA :G9L010507-1 Exp:209DB5

325.8834 S:12 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2576,0,0,00%,F,T)

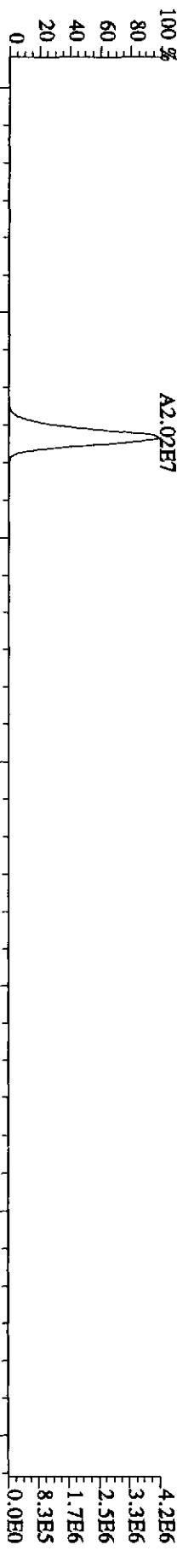


File:22DB099D5 #1-386 Acq:22-DEC-2009 21:14:34 GC FI+ Voltage SIR Autospec-Ultimate

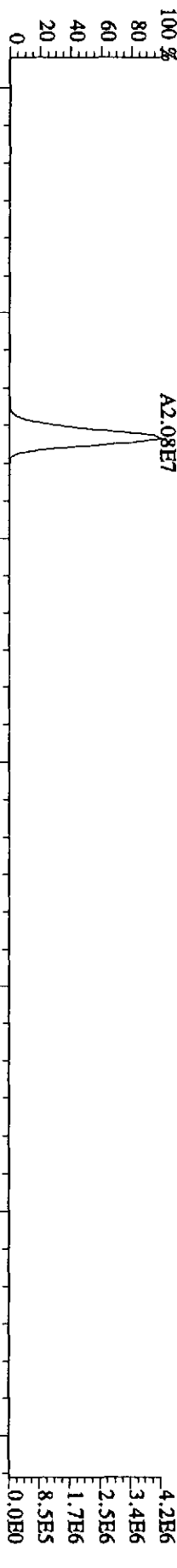
Exp:209DB5

Sample#12 Text:LOALL-1-AA :G9L010507-1

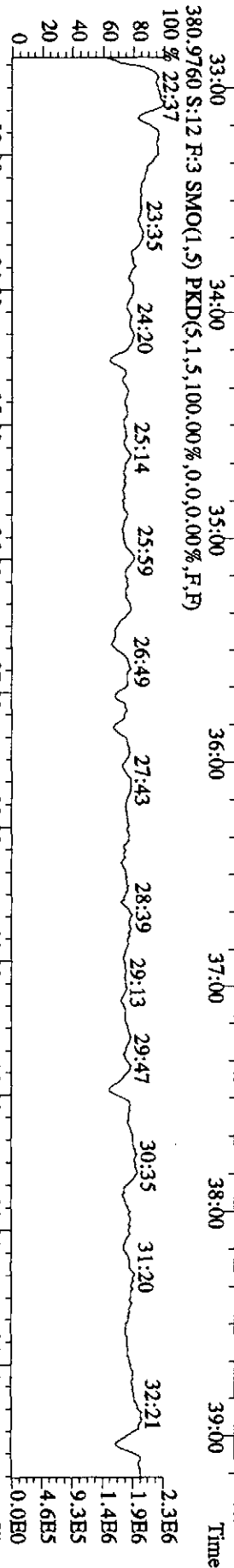
439.8038 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,960,0.0,0.00%,F,T)



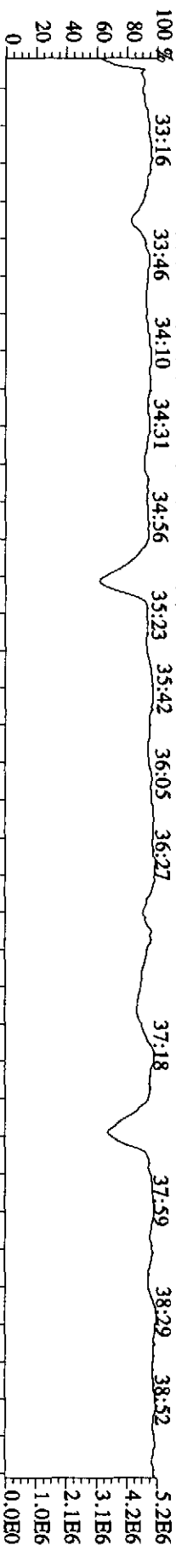
441.8008 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1388,0.0,0.00%,F,T)



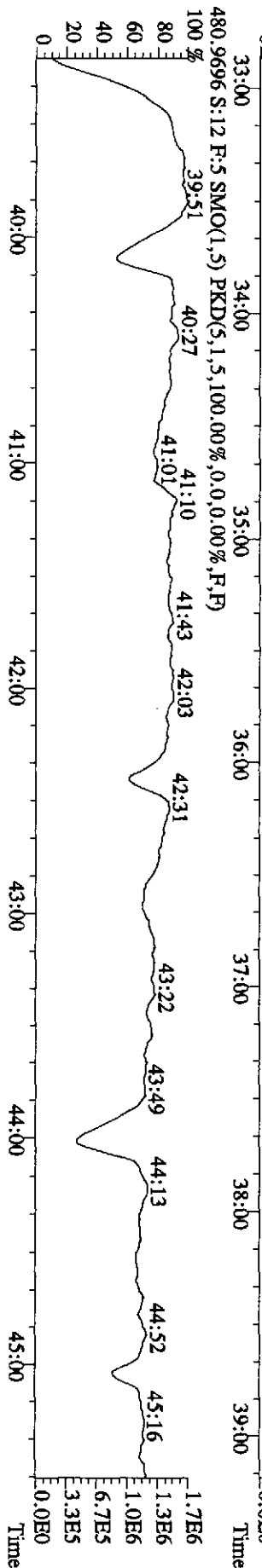
380.9760 S:12 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



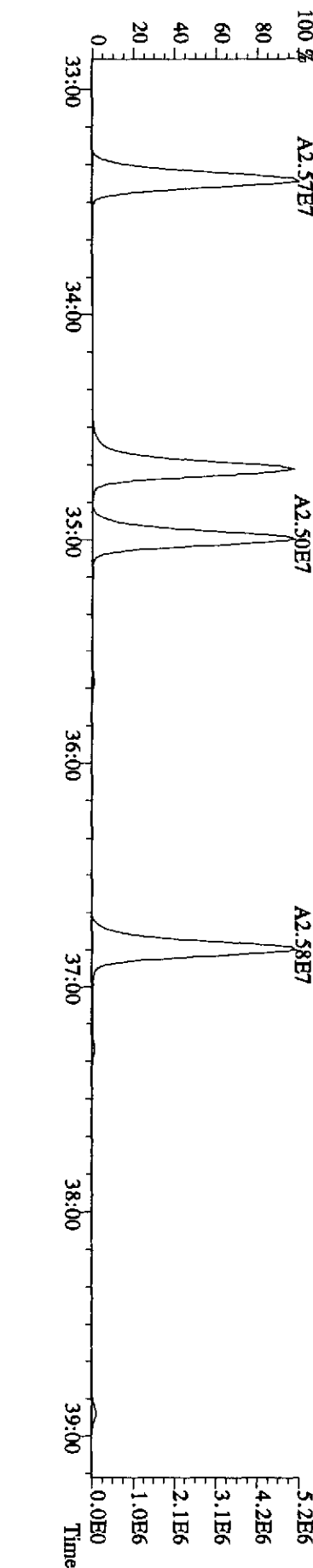
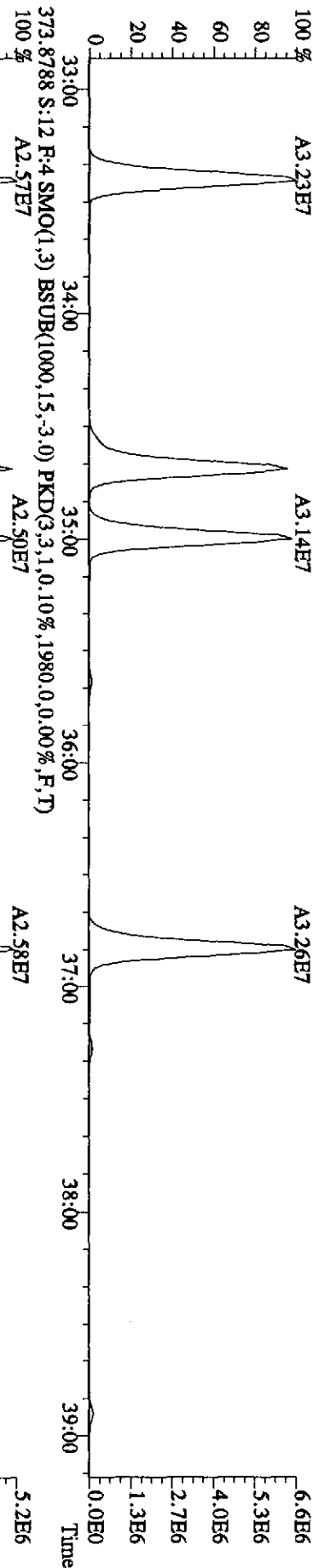
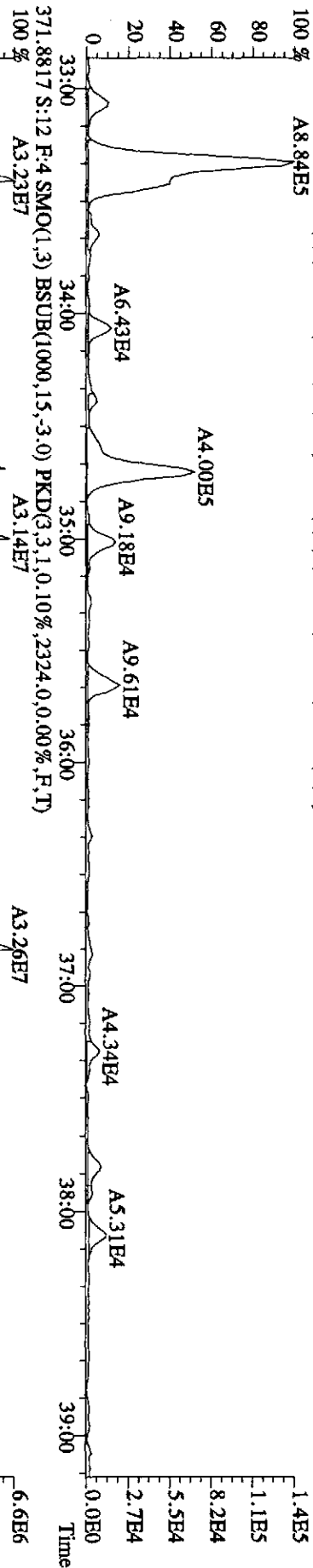
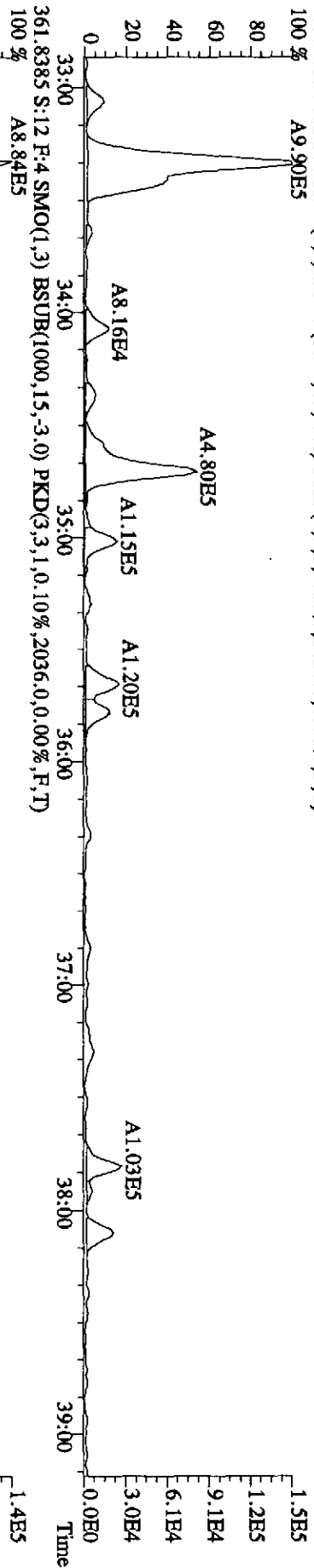
380.9760 S:12 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



480.9696 S:12 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

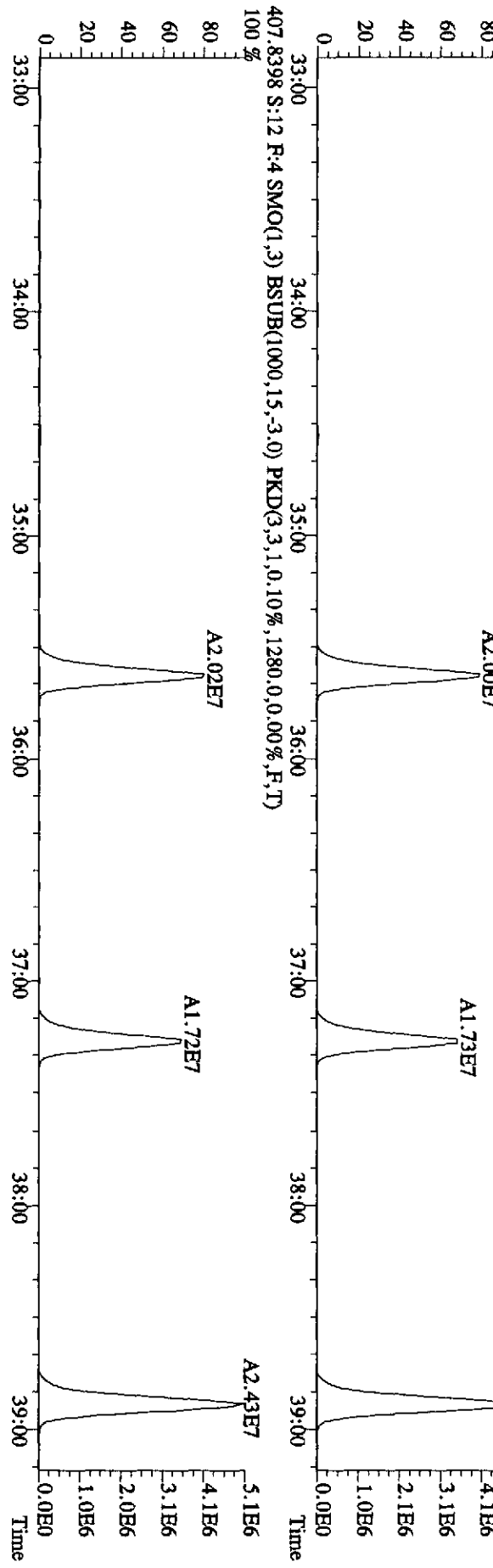
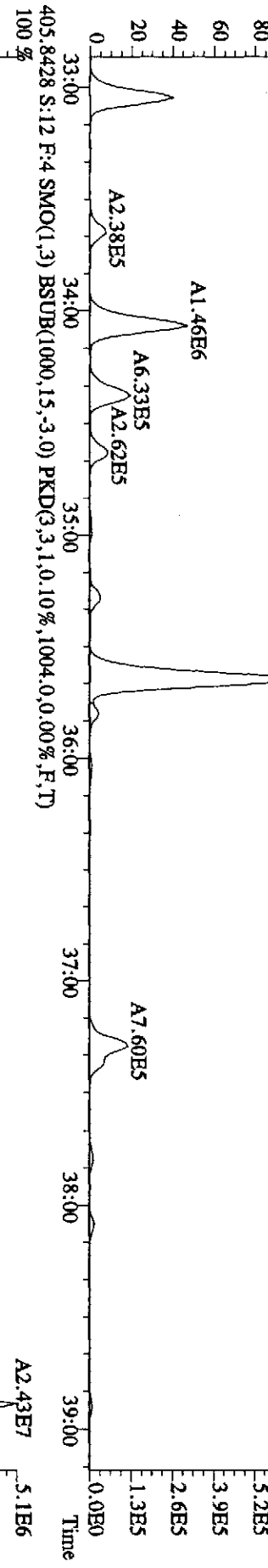
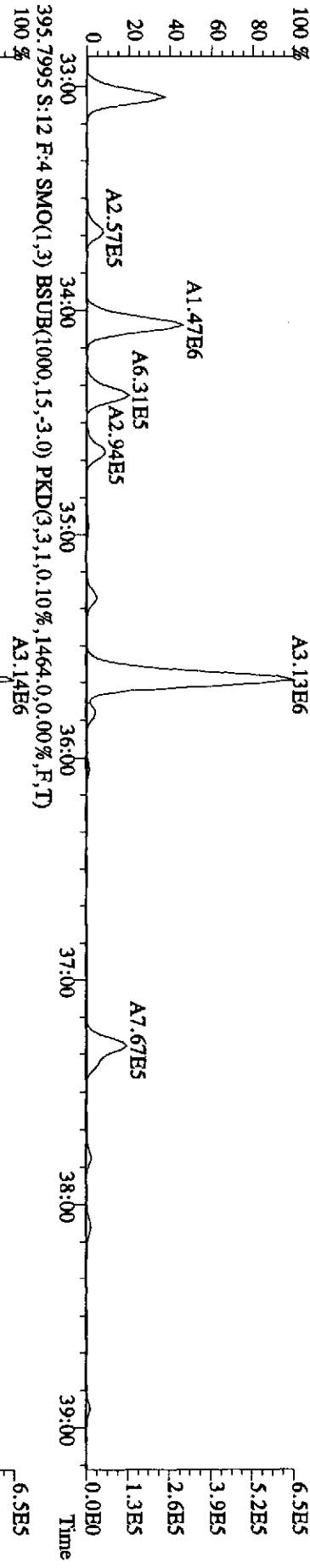


File:22DB099D5 #1-386 Acq:22-DEC-2009 21:14:34 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#12 Text:QALL-1-AA :G9L010507-1 Exp:209DB5  
 359.8415 S:12 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2420,0,0.00%,F,T)  
 100% A9.90E5





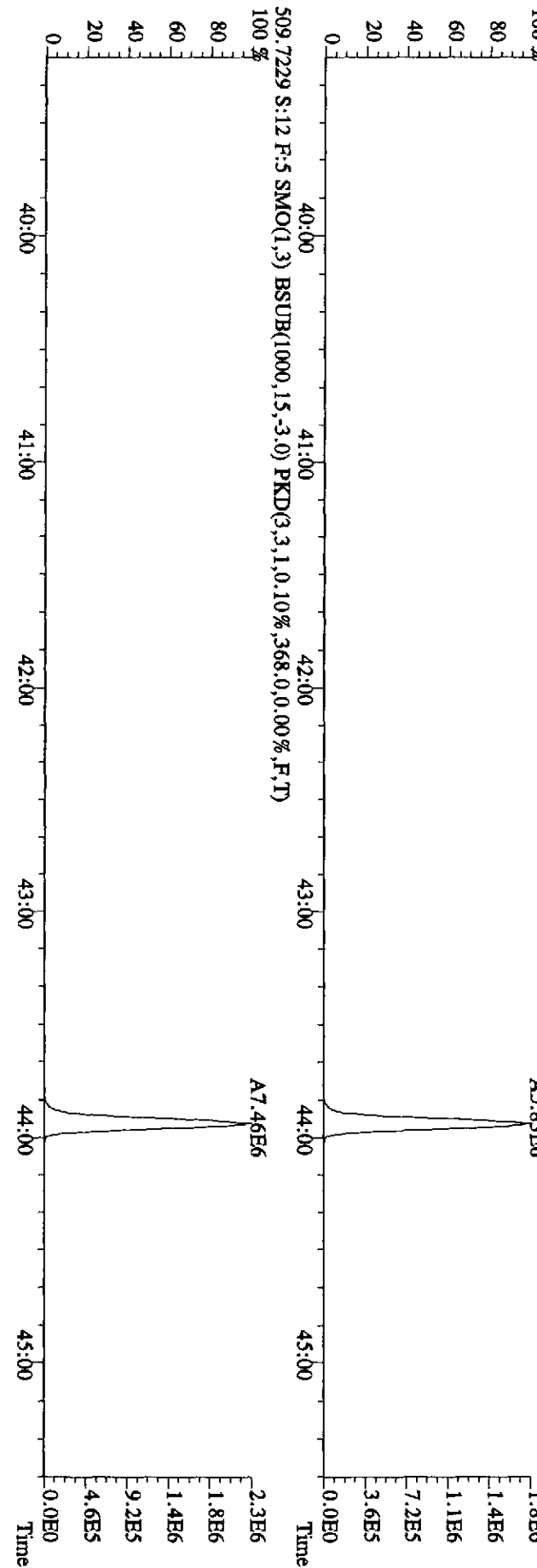
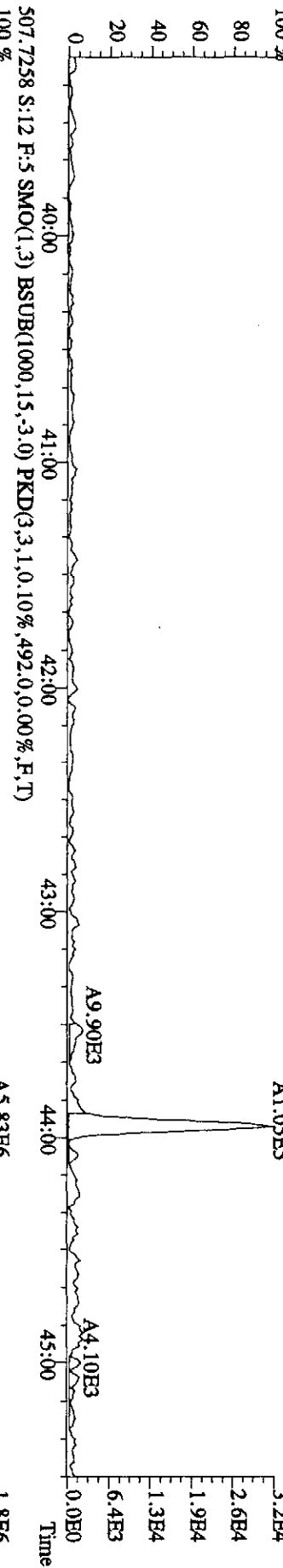
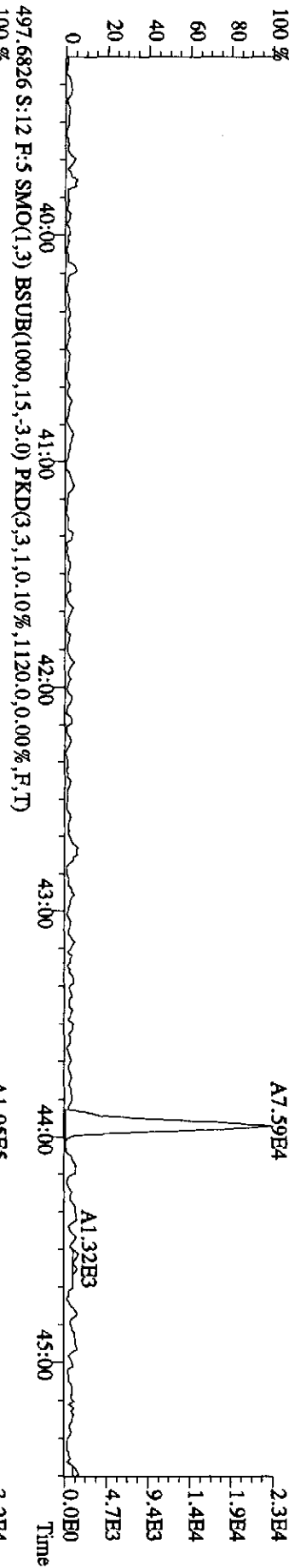
File:22DE099D5 #1-386 Acq:22-DEC-2009 21:14:34 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#12 Text:LQALL-1-AA :G9L010507-1 Exp:209DB5  
 393.8025 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1624,0,0.00%,F,T)  
 100 %



File:22DB099D5 #1-419 Acq:22-DEC-2009 21:14:34 GC EI+ Voltage SIR Autospec-UltimaB

Sample#12 Text:QALL-1-AA :G9L010507-1 Exp:209DB5

495.6856 S:12 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,828,0,0,00%,F,T)



Run text: LQALR-1-AA Sample text: LQALR-1-AA :G9L010507-2 (5X)  
 Run #34 Filename: 23DE099D5 S: 37 I: 1 Results: 23DE099D51668MSLDEC  
 Acquired: 24-DEC-09 12:50:05 Processed: 28-DEC-09 09:03:23  
 Run: 23DE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC1216099D5  
 Factor 1:1.000 Factor 2:20.000 Sample size: 0.50 Sample

*mu-100*

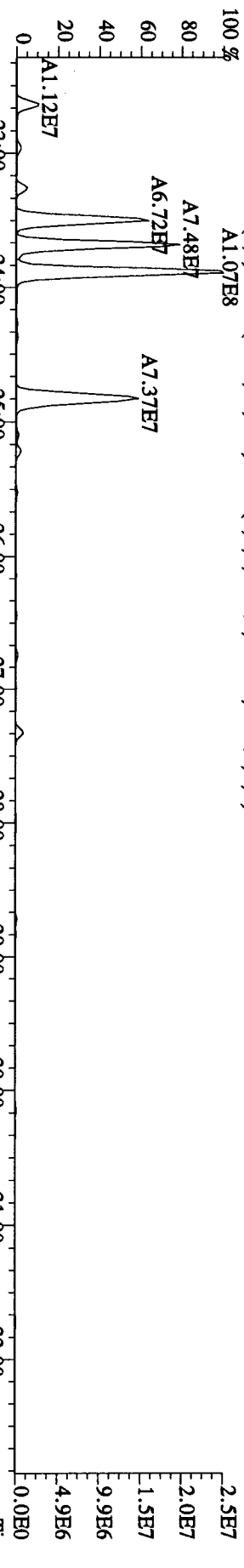
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	18899730	0.67 y	25:12	-	51.896	-	-	n
13C-TCB-81	22093290	0.79 y	26:45	1.33	3521.731	18.015	88.0	n
TCB-81	2825320	0.67 y	26:45	1.31	391.031 <i>low</i>	24.449	-	n
13C-TCB-77	23827700	0.80 y	27:19	1.38	3660.213	17.361	91.5	n
TCB-77	9234240	0.76 y	27:20	1.15	1344.656 <i>10/9</i>	26.363	-	n
13C-PeCB-123	20134020	0.66 y	28:40	1.07	3963.940	19.361	99.1	n
PeCB-123	4605350	0.54 y	28:43	1.71	536.532 <i>low</i>	19.899	-	n
13C-PeCB-118	22416210	0.67 y	28:48	1.10	4296.336	18.848	107.4	n
PeCB-118/106	79486200	0.59 y	28:49	1.78	7984.735 ✓	17.056	-	n
13C-PeCB-114	21076900	0.67 y	29:28	1.15	3878.294	18.095	97.0	n
PeCB-114	2563919	0.56 y	29:29	1.80	270.514	18.290	-	n
13C-PeCB-105	20633840	0.66 y	30:20	1.10	3958.921	18.868	99.0	n
PeCB-105/127	27560200	0.59 y	30:21	1.62	3302.683 ✓	20.679	-	n
13C-PeCB-126	21620520	0.66 y	32:14	1.21	3792.566	17.250	94.8	n
PeCB-126	*	* n	NotFnd	1.33	*	24.957	-	n
13C-OcCB-202	18590670	0.91 y	34:30	-	42.759	-	-	n
13C-HxCB-167	18188220	1.30 y	33:20	1.23	3185.663	79.763	79.6	n
HxCB-167	5046800	1.22 y	33:17	1.21	919.591	12.435	-	n
13C-HxCB-156	18083580	1.20 y	34:38	0.97	3999.164	100.711	100.0	n
HxCB-156	2800830	1.33 y	34:39	1.47	422.027	10.535	-	n
13C-HxCB-157	17044380	1.27 y	34:57	1.04	3524.652	94.173	88.1	n
HxCB-157	476397	1.29 y	34:59	1.48	75.593	10.903	-	n
13C-HxCB-169	17099040	1.29 y	36:48	1.16	3177.364	84.623	79.4	n
HxCB-169	*	* n	NotFnd	0.98	*	16.713	-	n
13C-HpCB-180	13635780	1.02 y	35:35	0.81	3619.125	23.214	90.5	n
HpCB-180	22091600	1.05 y	35:36	1.34	4846.309 ✓	11.730	-	n
13C-HpCB-170	12010810	1.04 y	37:15	0.66	3926.493	28.593	98.2	n
HpCB-170/190	7432460	1.11 y	37:16	1.62	1530.629 ✓	11.270	-	n
13C-HpCB-189	15846230	1.00 y	38:52	0.91	3749.091	20.693	93.7	n
HpCB-189	221487	0.89 y	38:53	1.23	45.557	11.000	-	n
13C-DeCB-209	5485970	0.74 y	43:55	0.69	1704.688	10.905	42.6	n
DECB-209	220032	0.77 y	43:56	1.53	104.668	9.856	-	n
13C-PeCB-111	22353150	0.63 y	26:37	1.28	3322.360	15.657	83.1	n

*Sh 12/29/09*

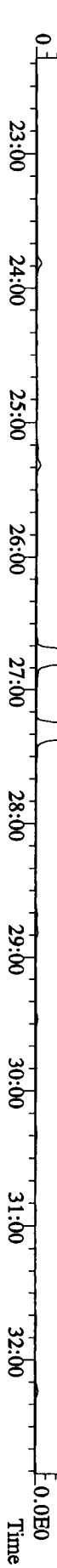
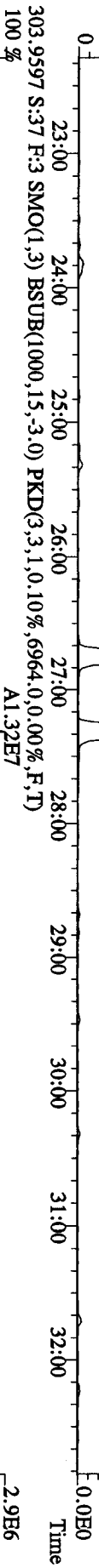
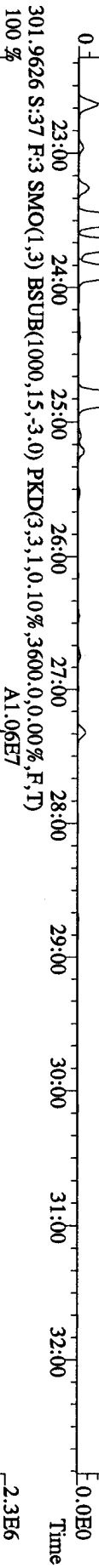
File: 23DDE099D5 #1-596 Acq: 24-DEC-2009 12:50:05 GC EI + Voltage SIR Autospec-Ultimate

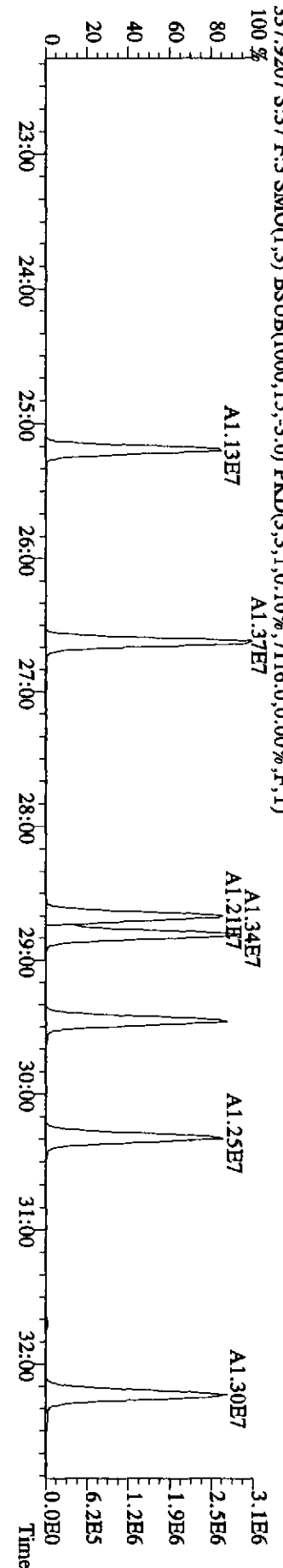
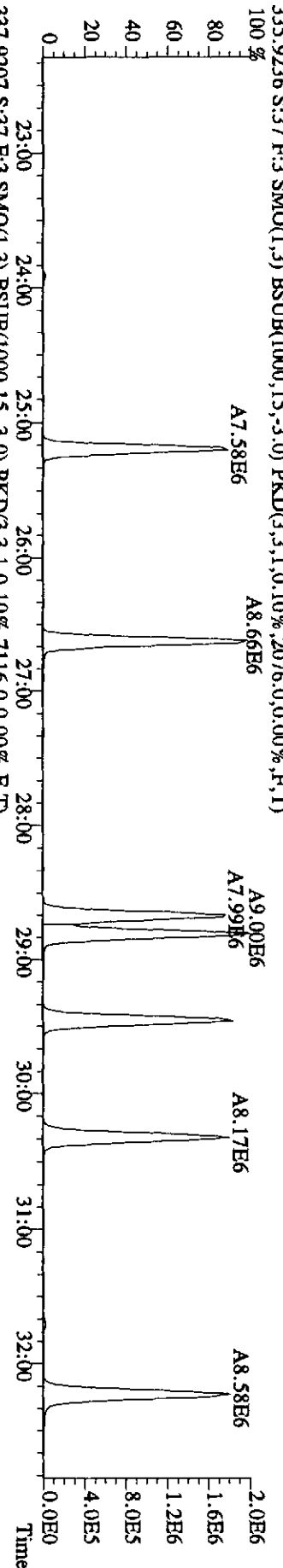
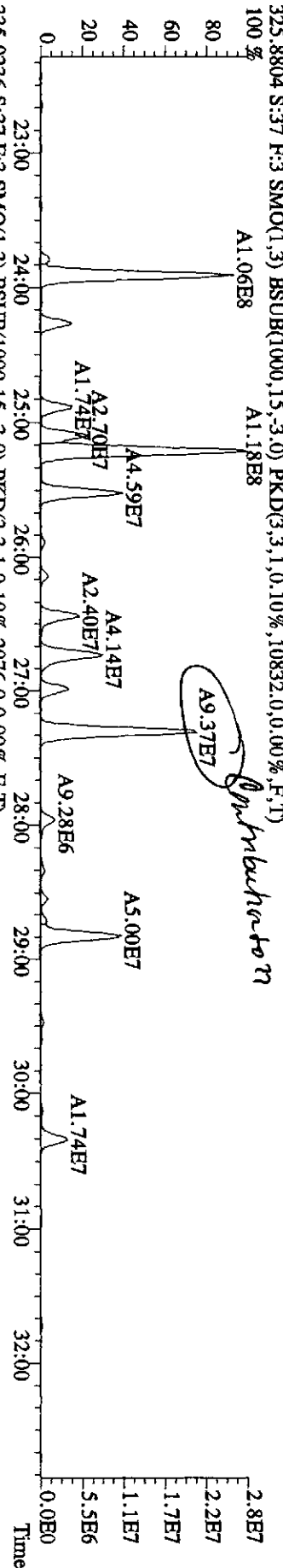
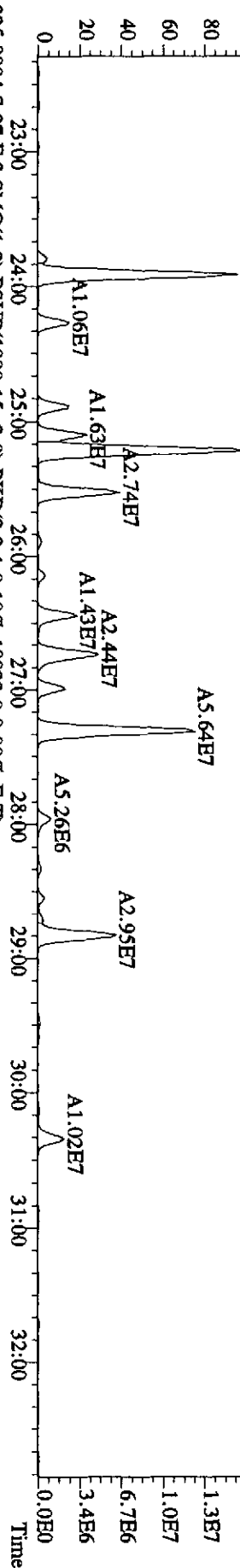
Sample#37 Text: LQALR-1-AA :G9L010507-2 (5X) Exp: 209DB5

289.9224 S:37 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,6556,0,0.00%,F,T)



**MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCB**



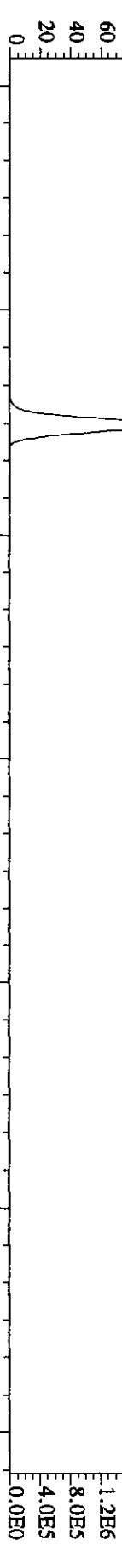


File:23DDE099D5 #1-385 Acq:24-DEC-2009 12:50:05 GC EI+ Voltage SIR Autospec-UltimaE

Sample#37 Text:LOALR-1-AA :G9L010507-2 (5X) Exp:209DB5

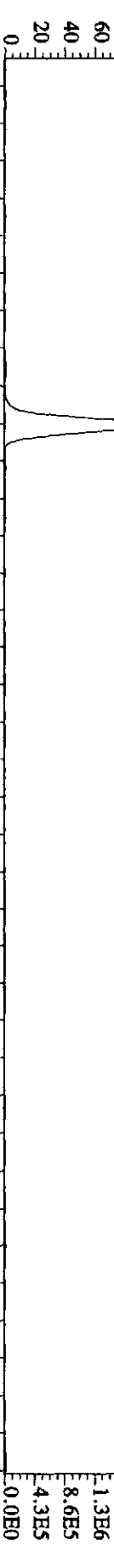
439.8038 S:37 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,3064,0.0,0.00%,F,T)

100% A8.88E6



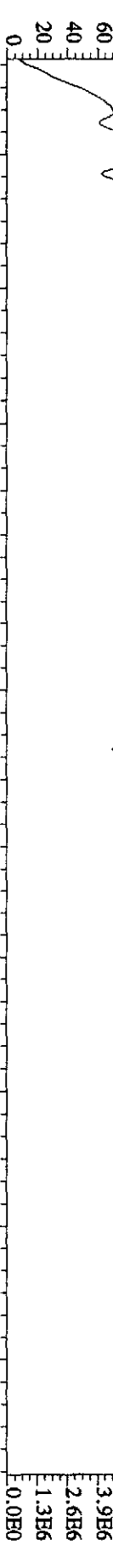
441.8008 S:37 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,5104,0.0,0.00%,F,T)

100% A9.71E6



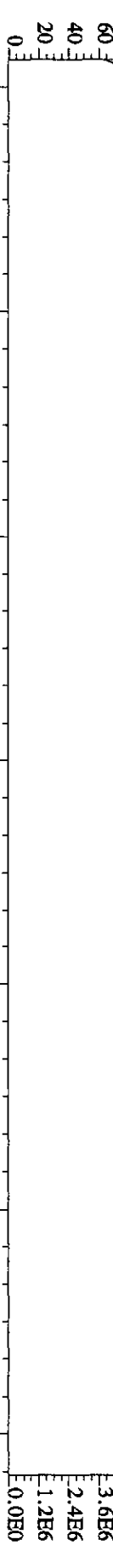
380.9760 S:37 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

100% 22:41 23:29 24:07 25:07 25:41 27:01 27:38 28:37 29:19 30:10 30:43 31:19 31:56



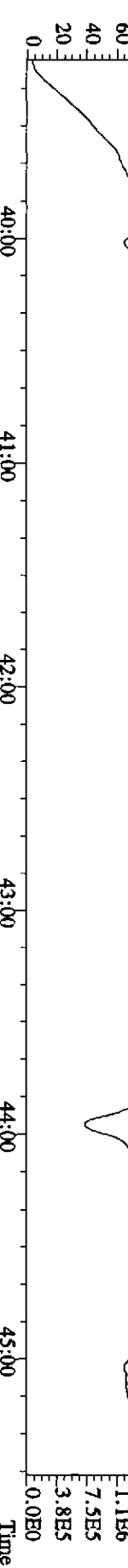
380.9760 S:37 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

100% 33:38 33:59 34:19 34:43 35:33 36:10 36:45 37:22 37:57 38:19 38:45



480.9696 S:37 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)

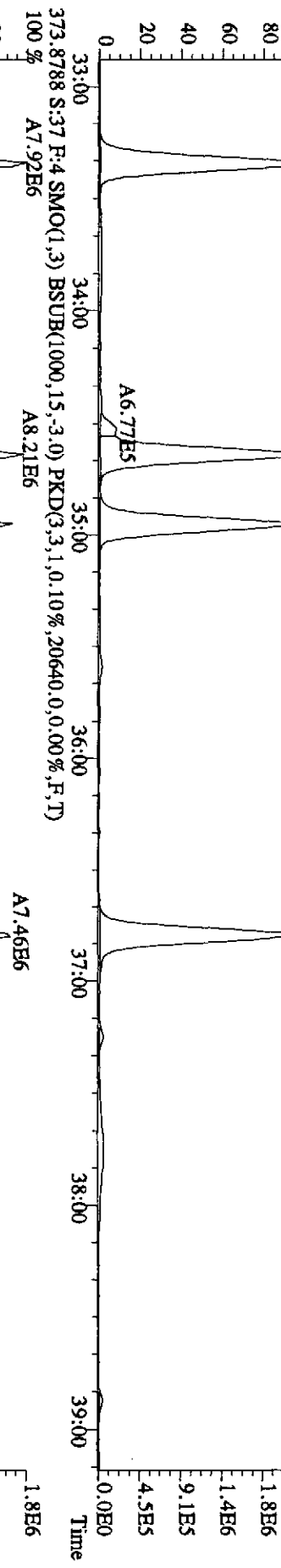
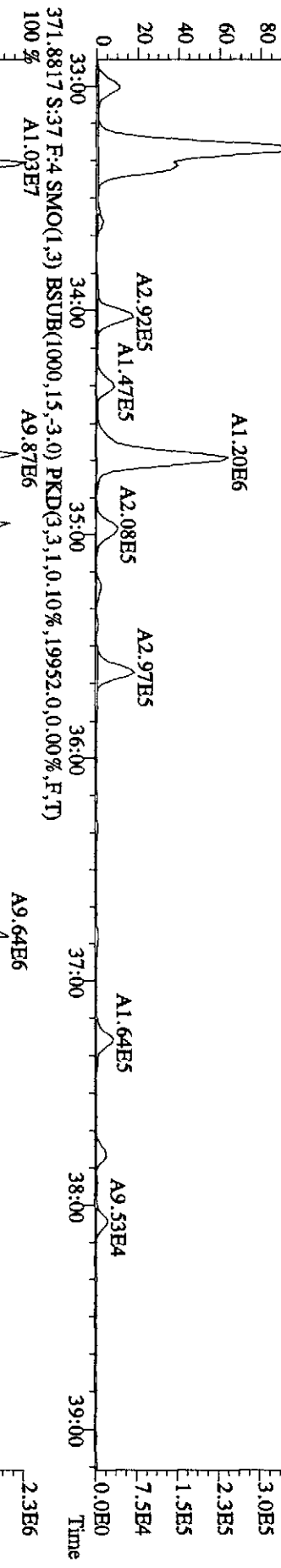
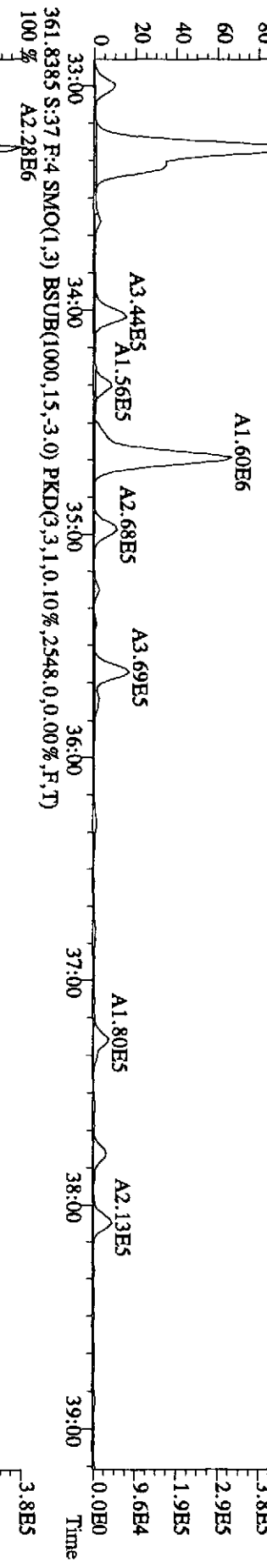
100% 39:53 40:14 40:34 40:59 41:44 42:15 43:17 43:47 44:10 44:57 45:22



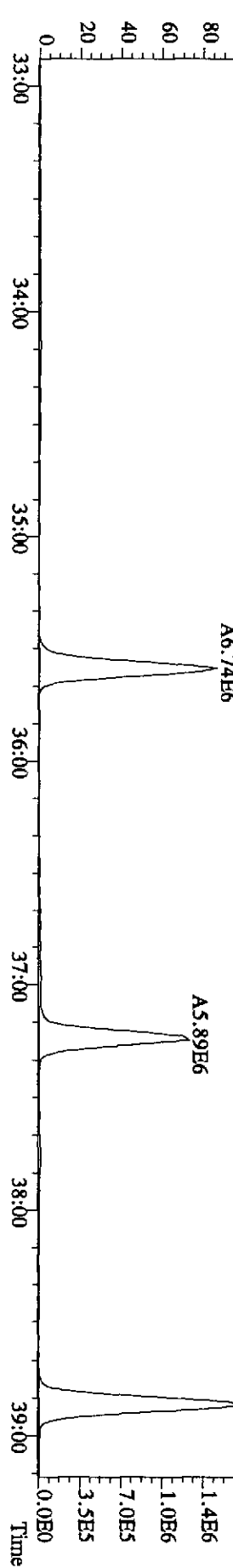
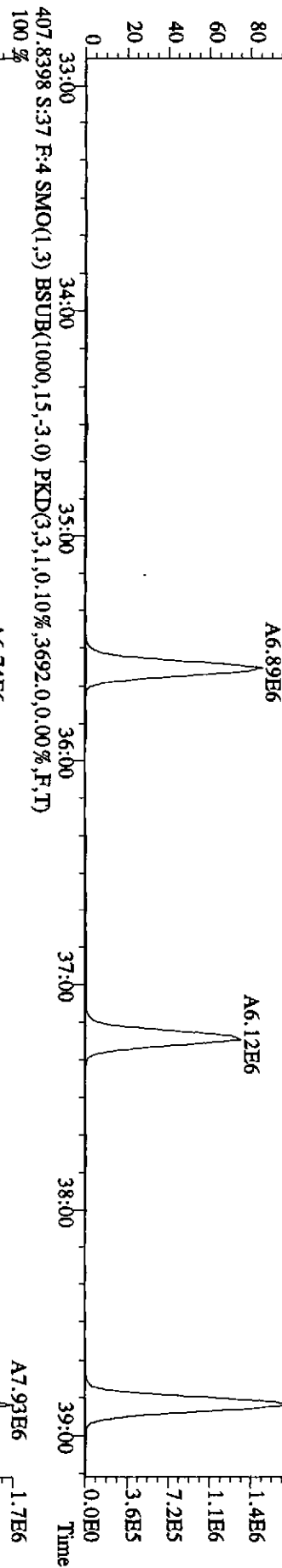
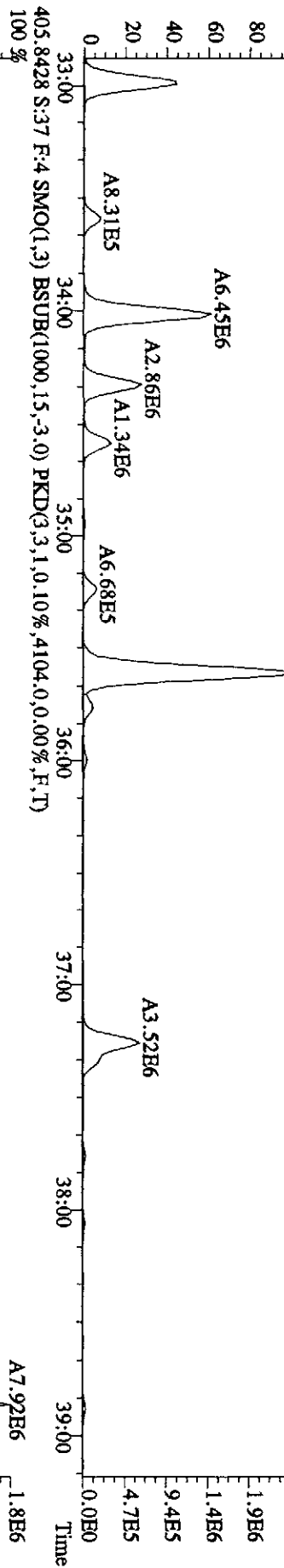
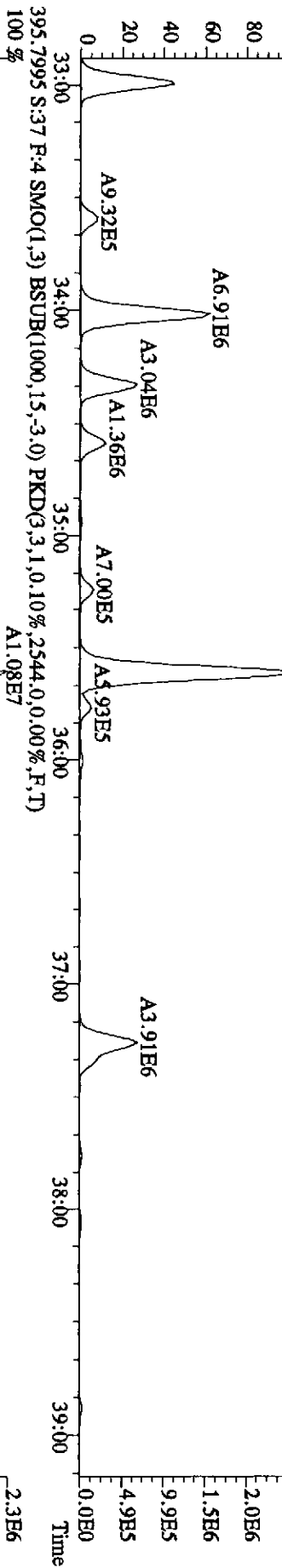
File:23DB099D5 #1-385 Acq:24-DEC-2009 12:50:05 GC HI + Voltage SIR Autospec-UltimaB

Sample#37 Text:1:QALR-1-AA :G9L010507-2 (5X) Exp:209DB5

359.8415 S:37 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3504,0,0.00%,F,T)

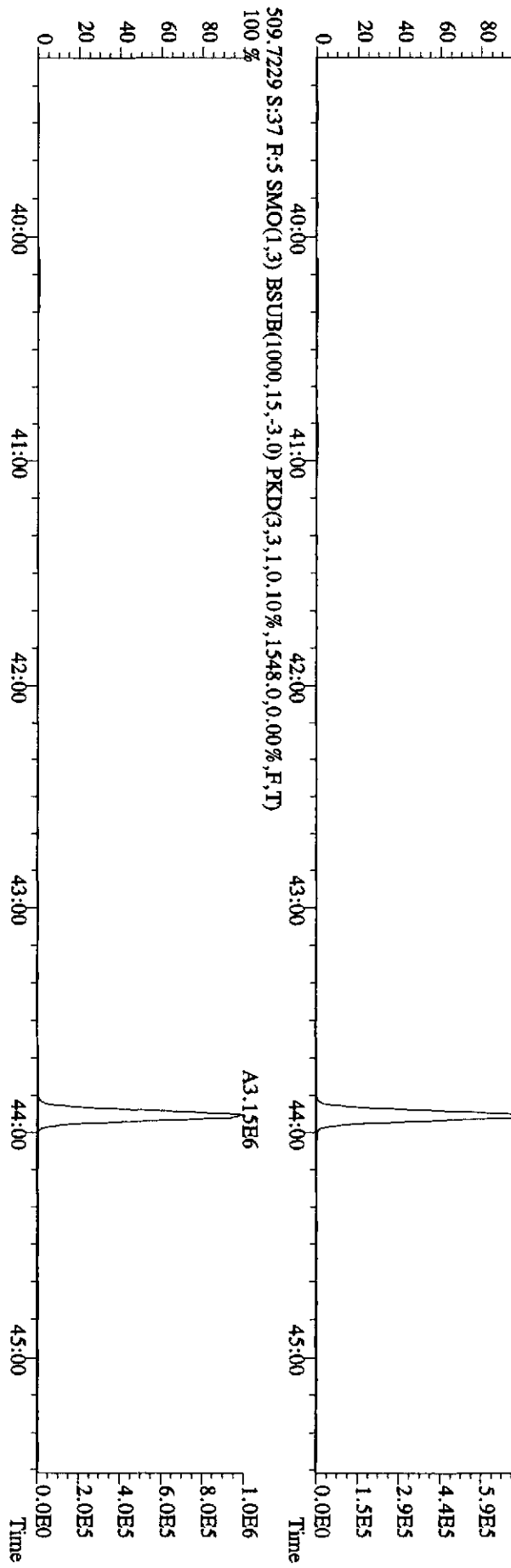
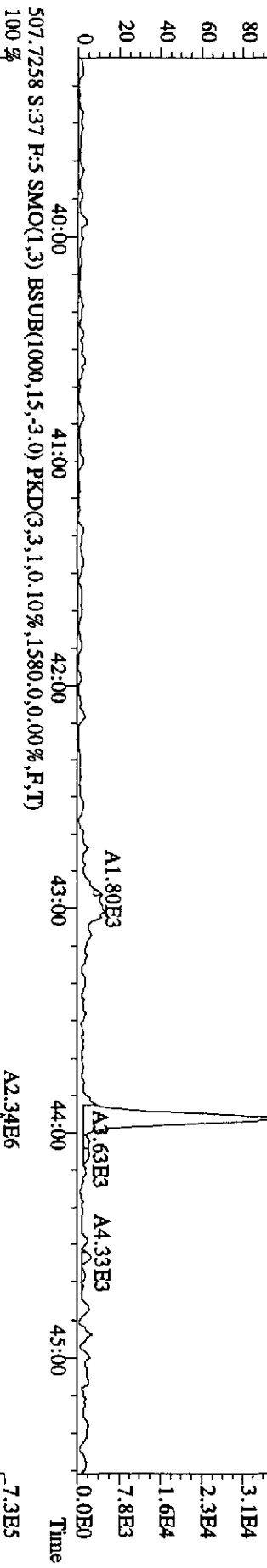
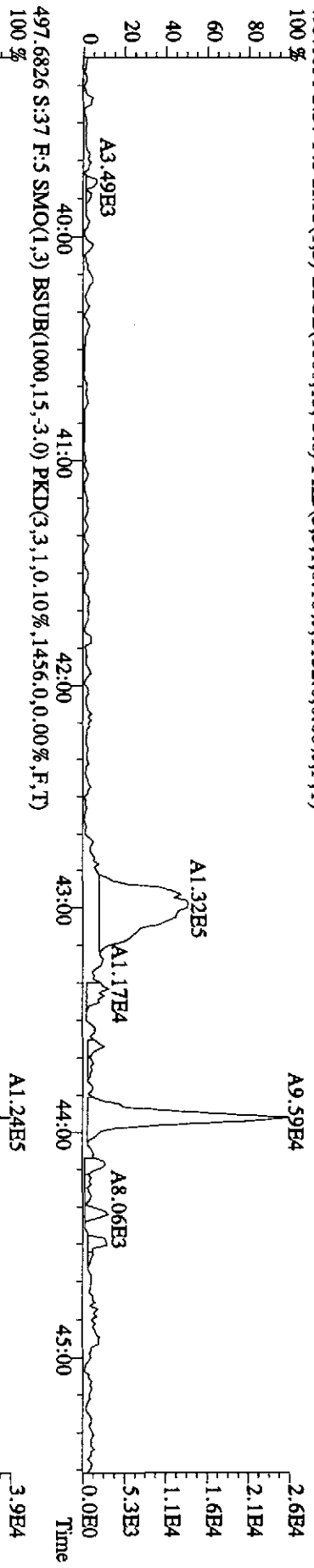


File:23DBE099D5 #1-385 Acq:24-DEC-2009 12:50:05 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#37 Text:LOALR-1-AA :G9L010507-2 (5X) Exp:209DB5  
 393.8025 S:37 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2208,0,0,00%,F,T)  
 100%





File:23DE099D5 #1-420 Acq:24-DEC-2009 12:50:05 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#37 Text:LOAIR-1-AA :G9L010507-2 (5X) Exp:209DB5  
 495.6856 S:37 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1152,0,0,00%,F,T) 100 %



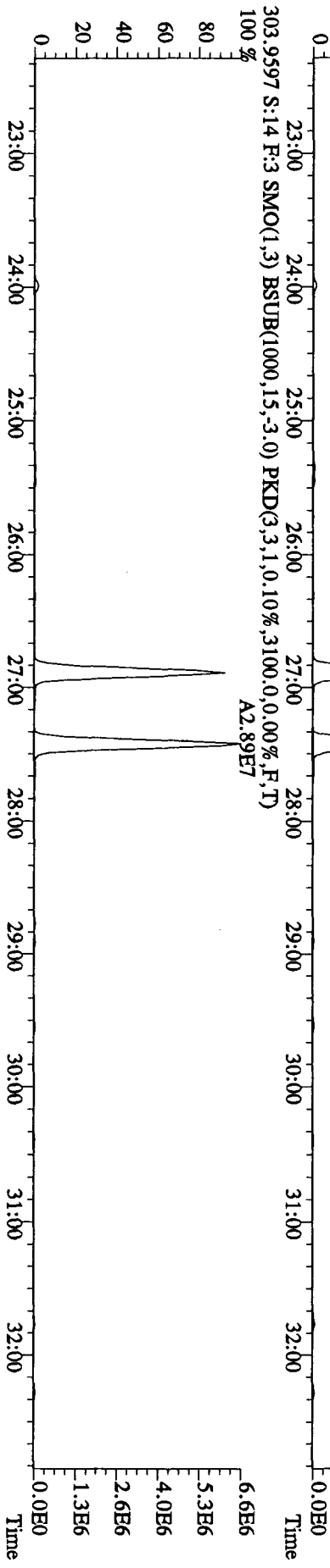
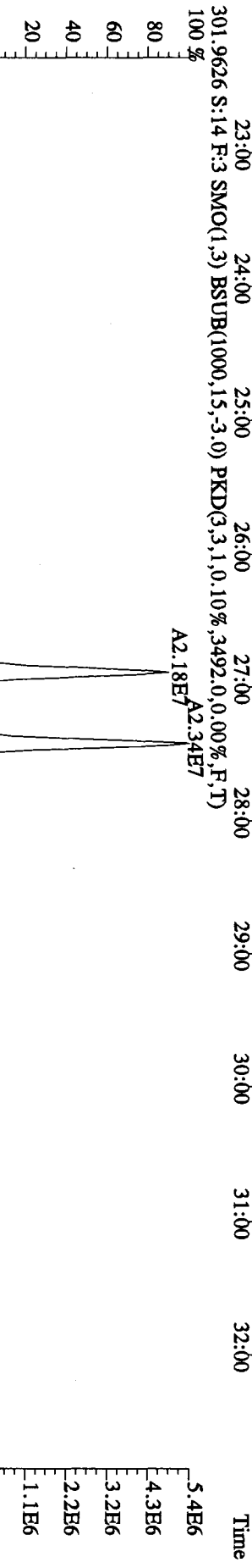
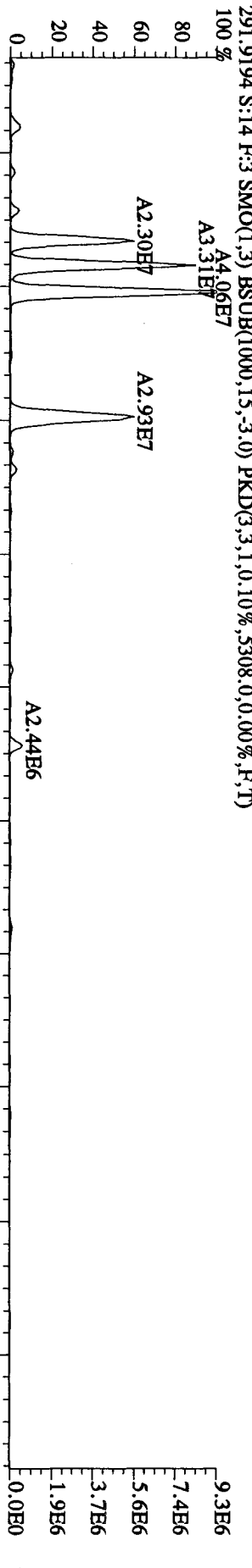
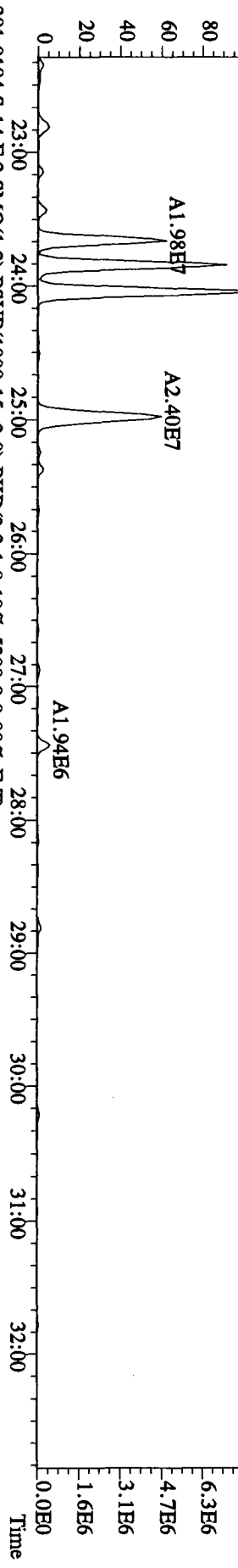
Run text: LQALV-1-AA      Sample text: LQALV-1-AA :G9L010507-3  
 Run #14 Filename: 22DE099D5    S: 14    I: 1      Results: 22DE099D51668MSLDEC  
 Acquired: 22-DEC-09    22:57:15      Processed: 23-DEC-09    11:29:20  
 Run: 22DE099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC1216099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000Sample

*mu=100*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	36309800	0.66 y	25:21	-	99.70	-	-	n
13C-TCB-81	49203700	0.79 y	26:53	1.33	4082.49	5.81	102.1	n
TCB-81	972574	0.60 n	26:52	1.31	60.44	6.34	-	n
13C-TCB-77	52281200	0.81 y	27:25	1.38	4180.24	5.60	104.5	n
TCB-77	4382940	0.80 y	27:26	1.15	290.88	6.57	-	n
13C-PeCB-123	34593000	0.64 y	28:46	1.07	3545.00	2.33	88.6	n
PeCB-123	1414152	0.55 y	28:47	1.71	95.89	3.60	-	n
13C-PeCB-118	37286800	0.66 y	28:54	1.10	3719.83	2.27	93.0	n
PeCB-118/106	26330860	0.59 y	28:55	1.78	1590.16 ✓	3.40	-	n
13C-PeCB-114	36729600	0.66 y	29:32	1.15	3517.89	2.18	87.9	n
PeCB-114	807100	0.59 y	29:33	1.80	48.87	3.33	-	n
13C-PeCB-105	36658200	0.66 y	30:24	1.10	3661.00	2.27	91.5	n
PeCB-105/127	10772210	0.57 y	30:25	1.62	726.60	3.81	-	n
13C-PeCB-126	34634500	0.64 y	32:17	1.21	3162.33	2.08	79.1	n
PeCB-126	*	* n	Not Fnd	1.33	*	5.11	-	n
13C-OcCB-202	37210600	0.96 y	34:32	-	85.58	-	-	n
13C-HxCB-167	48700100	1.27 y	33:23	1.23	4261.55	4.77	106.5	n
HxCB-167	2125072	1.65 n	33:20	1.21	144.61	4.02	-	n
13C-HxCB-156	51078900	1.29 y	34:40	0.97	5643.58	6.02	141.1	n
HxCB-156	1684432	1.31 y	34:41	1.47	89.86	3.25	-	n
13C-HxCB-157	47887500	1.24 y	34:59	1.04	4947.50	5.63	123.7	n
HxCB-157	233787	1.50 n	35:01	1.48	13.20	3.36	-	n
13C-HxCB-169	50217500	1.24 y	36:49	1.16	4662.07	5.06	116.6	n
HxCB-169	*	* n	Not Fnd	0.98	*	4.89	-	n
13C-HpCB-180	34226300	1.02 y	35:37	0.81	4538.50	2.88	113.5	n
HpCB-180	14540130	1.01 y	35:38	1.34	1270.79 ✓	2.38	-	n
13C-HpCB-170	28847400	1.01 y	37:16	0.66	4711.59	3.54	117.8	n
HpCB-170/190	4933810	1.05 y	37:17	1.62	423.04	2.36	-	n
13C-HpCB-189	40399300	1.00 y	38:53	0.91	4775.32	2.57	119.4	n
HpCB-189	119026	0.73 n	38:54	1.23	9.60	2.16	-	n
13C-DeCB-209	11413790	0.77 y	43:56	0.69	1771.94	2.21	44.3	n
DECB-209	314087	0.70 y	43:57	1.53	71.81	4.70	-	n
13C-PeCB-111	35834700	0.65 y	26:46	1.28	3089.37	2.20	77.2	n

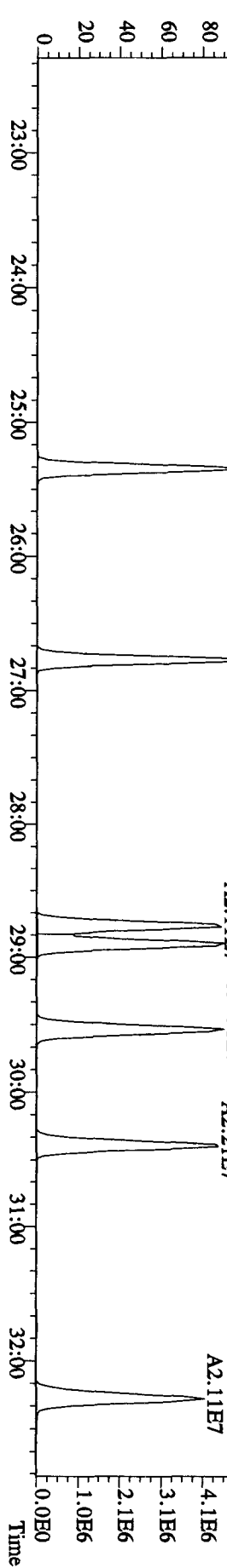
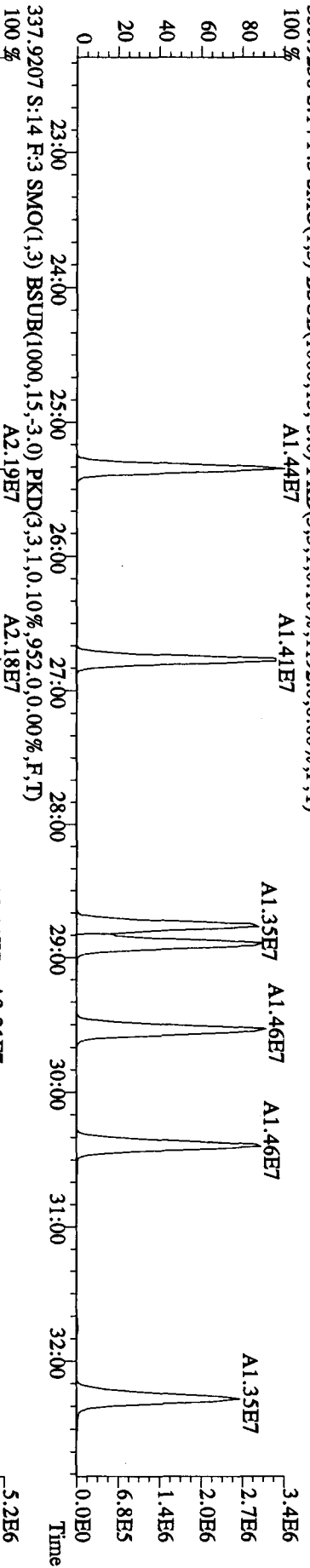
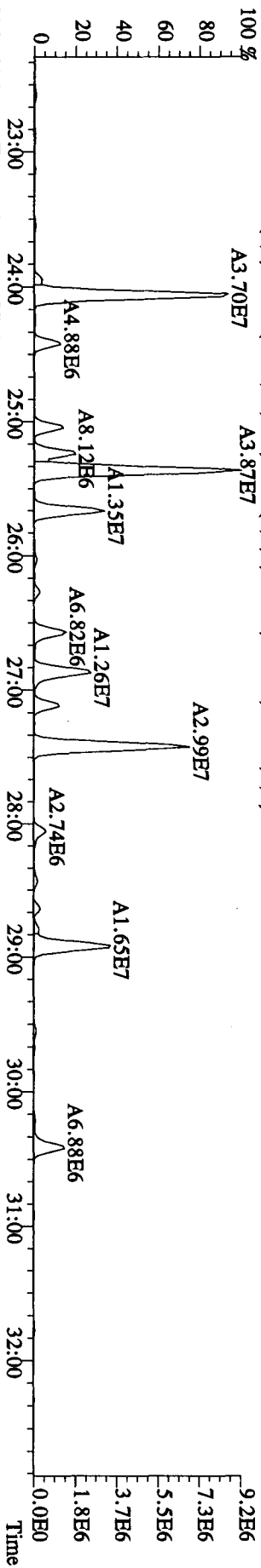
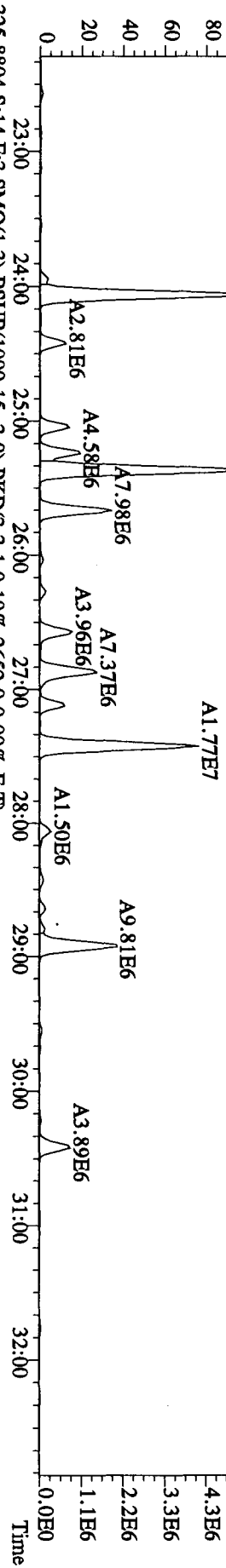
*Shanitor*

File:22DDE099D5 #1-596 Acq:22-DEC-2009 22:57:15 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#14 Text:LOALV-1-AA :G9L010507-3 Exp:209DB5  
 289.9224 S:14 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,3788,0,0,00%,F,T)  
 100%



Sample#14 Text:LOALY-1-AA :G9L010507-3

323.8834 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1984.0,0.00%,F,T)

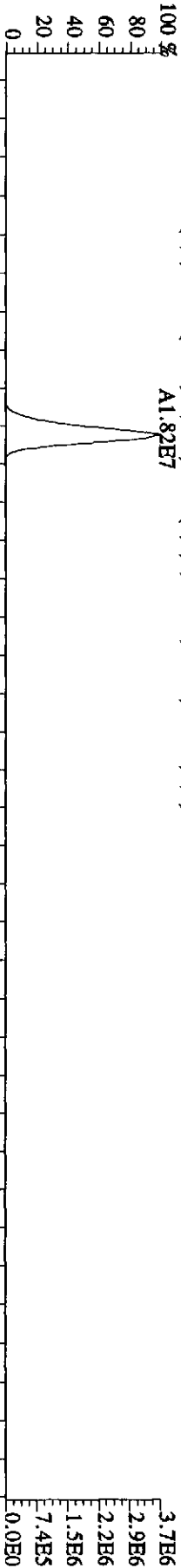


File:22DE099D5 #1-385 Acq:22-DEC-2009 22:57:15 GC EI+ Voltage SIR Autospec-UltimaE

Sample#14 Text:LOALV-1-AA :G9L010507-3 Exp:209DB5

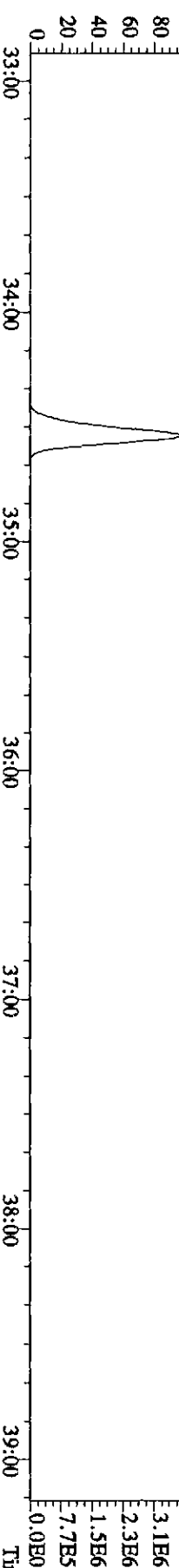
439.8038 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,880,0,0.00%,F,T)

100 % 41.82E7

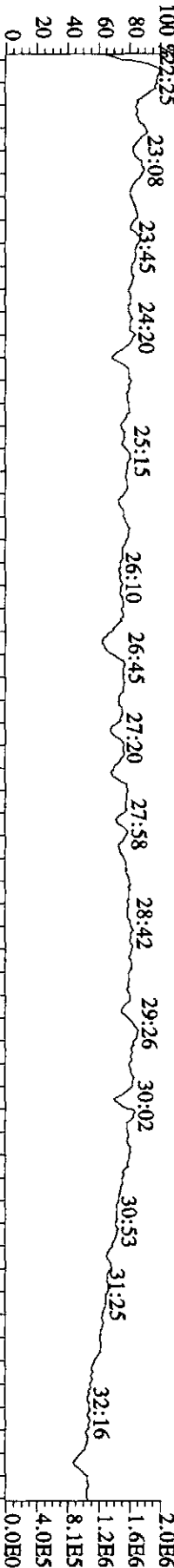


441.8008 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,888,0,0.00%,F,T)

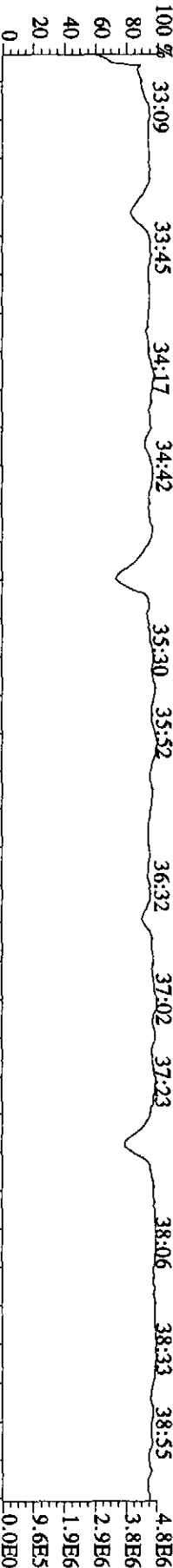
A1.90E7



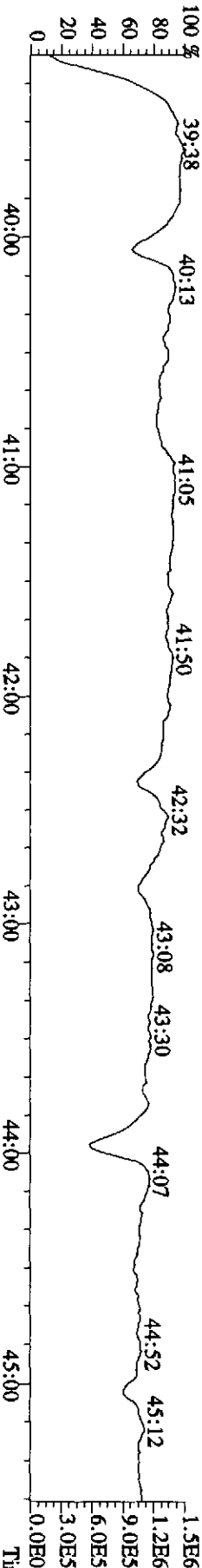
380.9760 S:14 F:3 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)



380.9760 S:14 F:4 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)



480.9696 S:14 F:5 SMO(1,5) PKD(5,1,5,100.00%,0,0,0.00%,F,F)



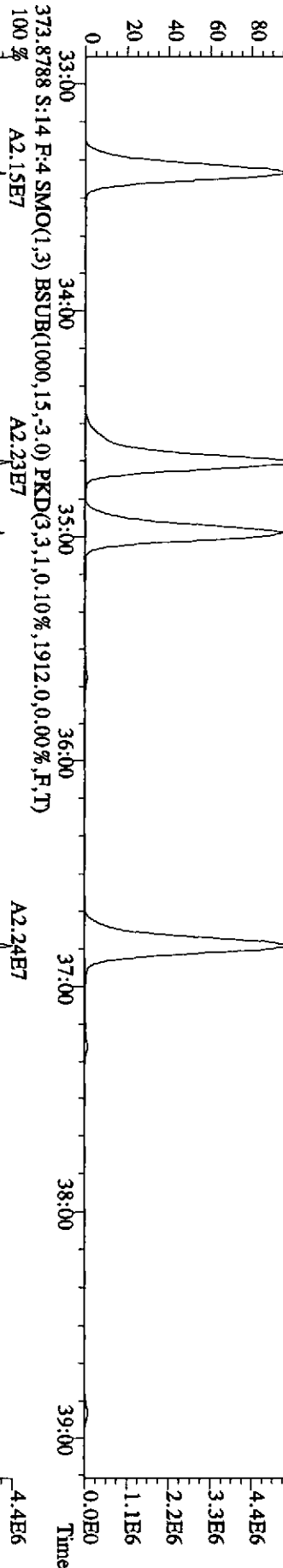
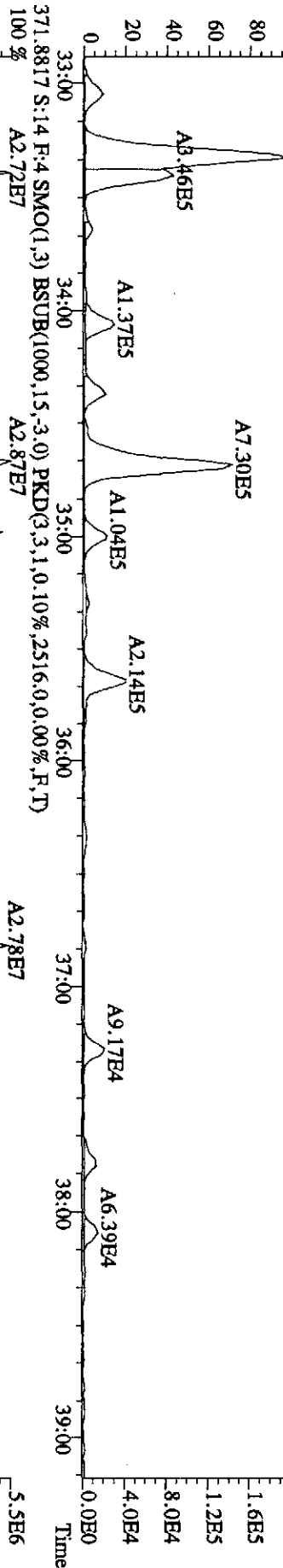
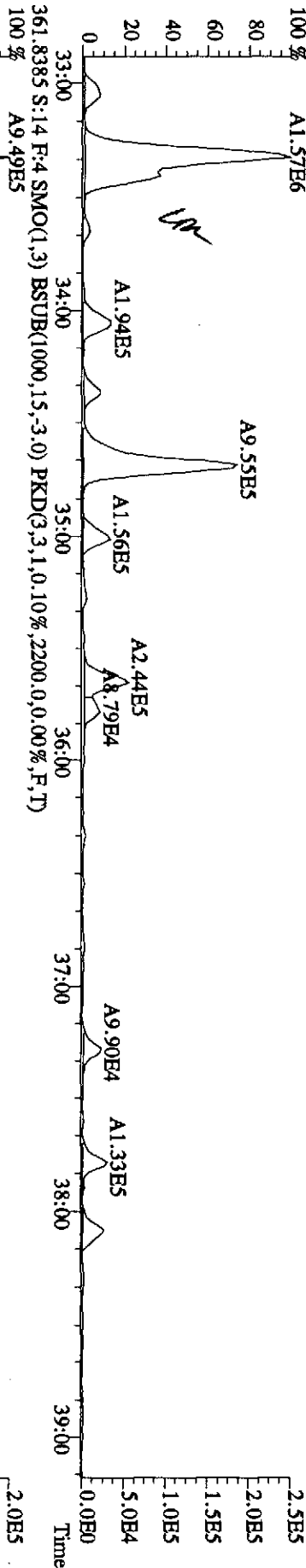
File:22DE099D5 #1-385 Acq:22-DEC-2009 22:57:15 GC EI+ Voltage SIR Autospec-Ultimate

Exp:209DB5

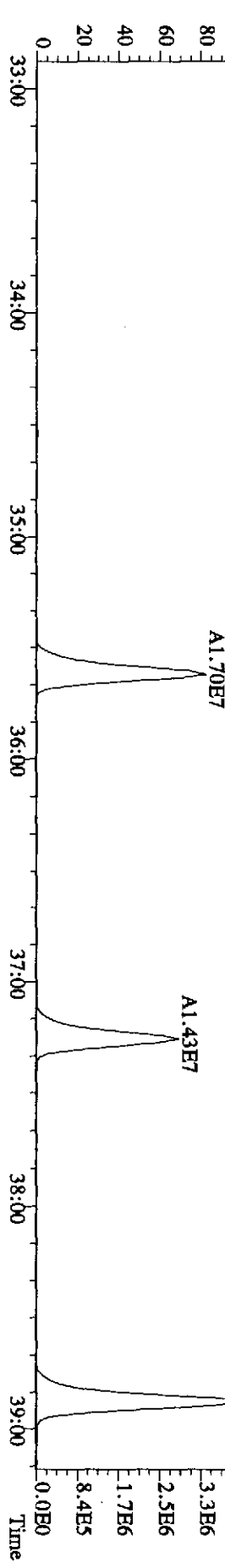
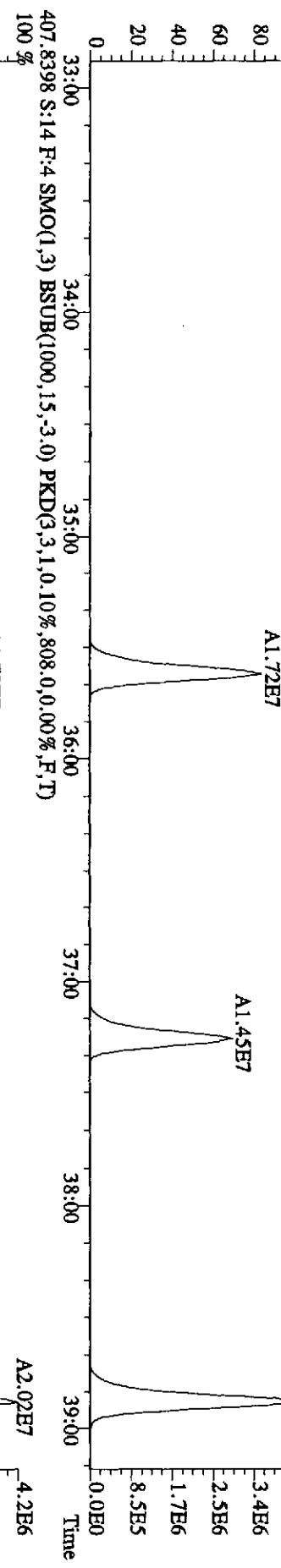
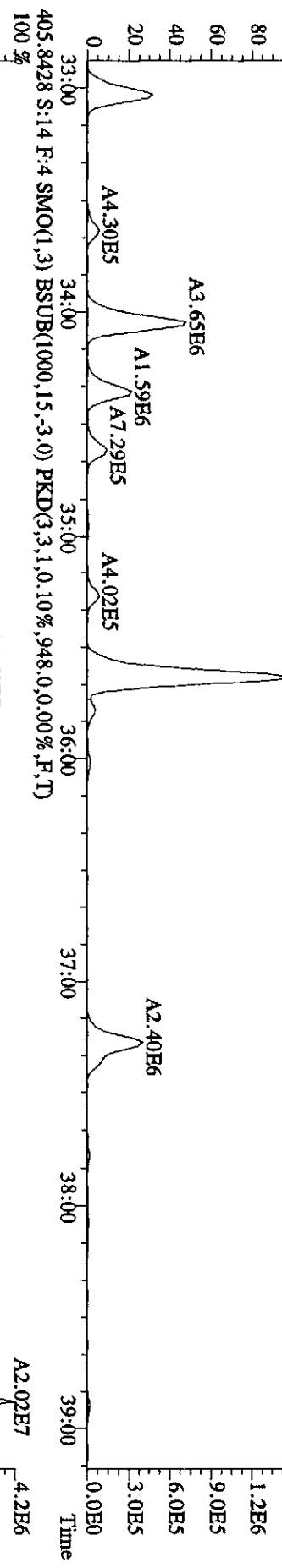
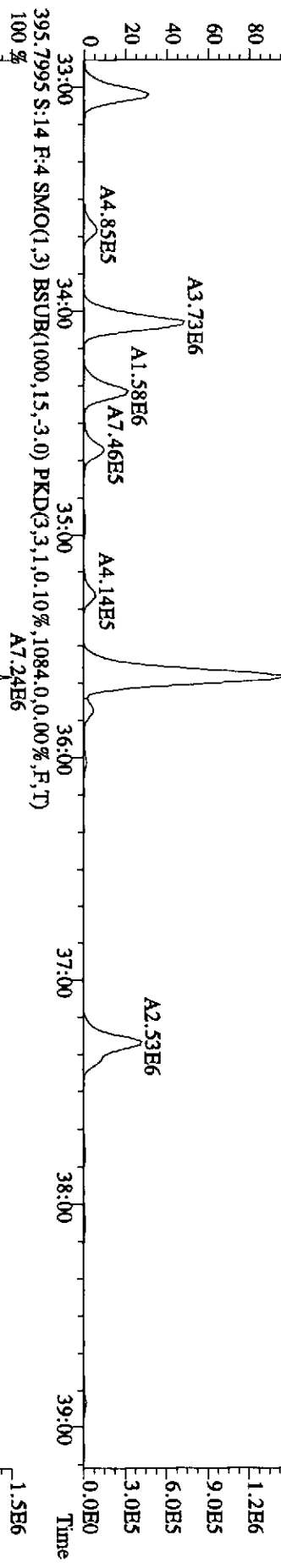
Sample#14 Text:QALV-1-AA :G9L010507-3

359.8415 S:14 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2540,0,0,00%,F,T)

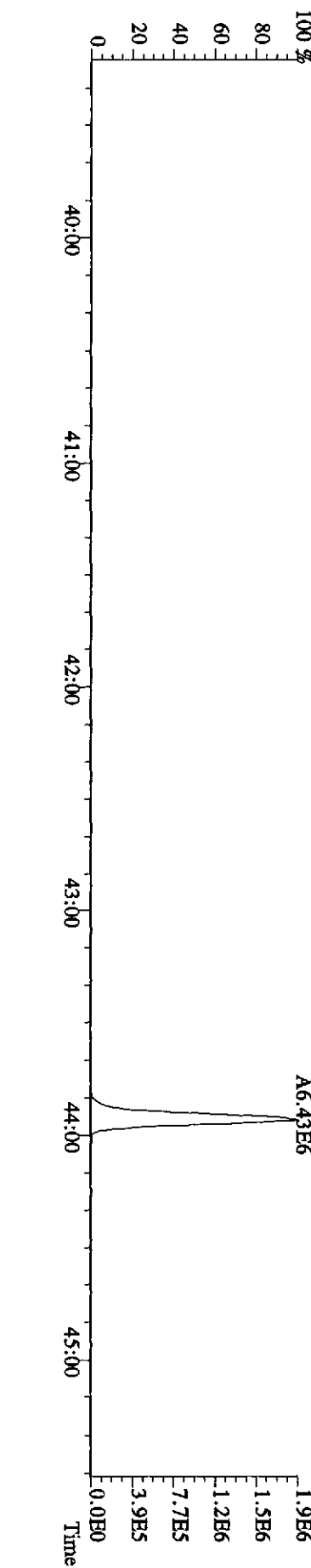
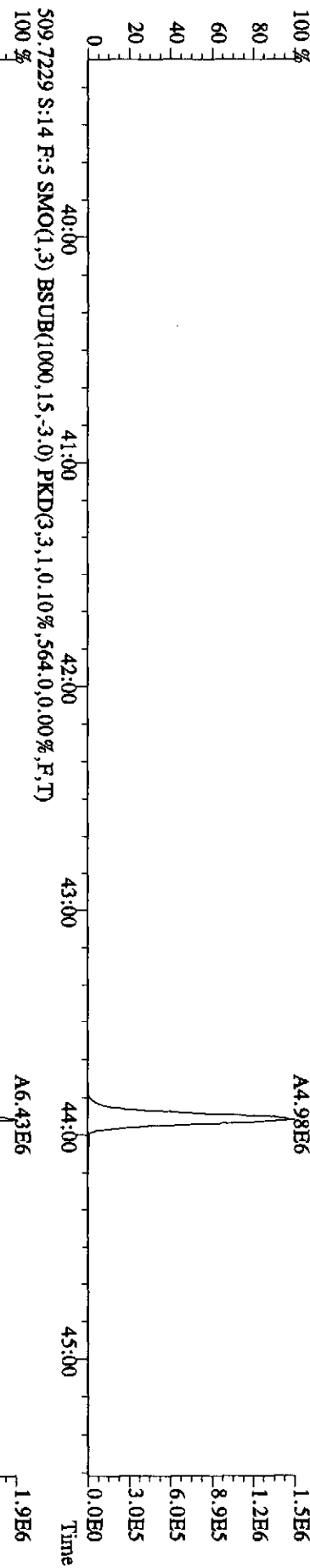
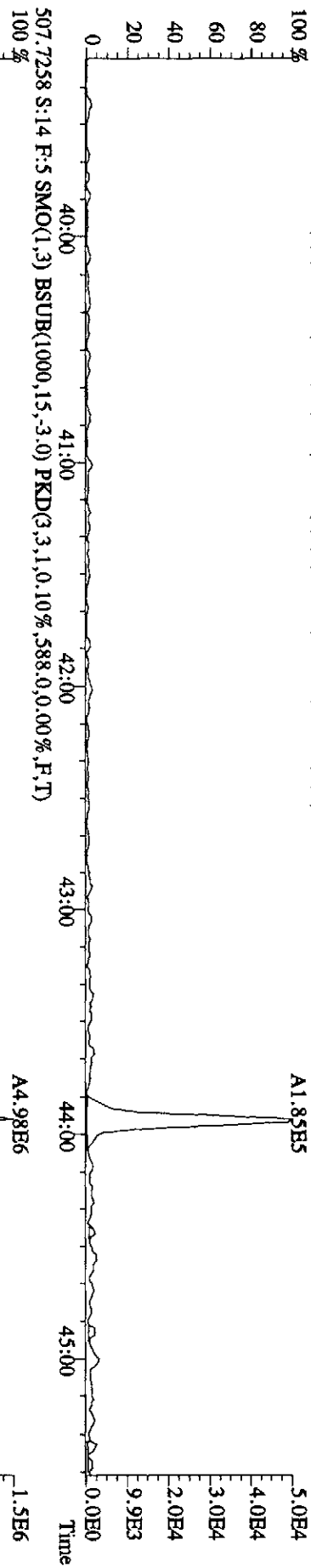
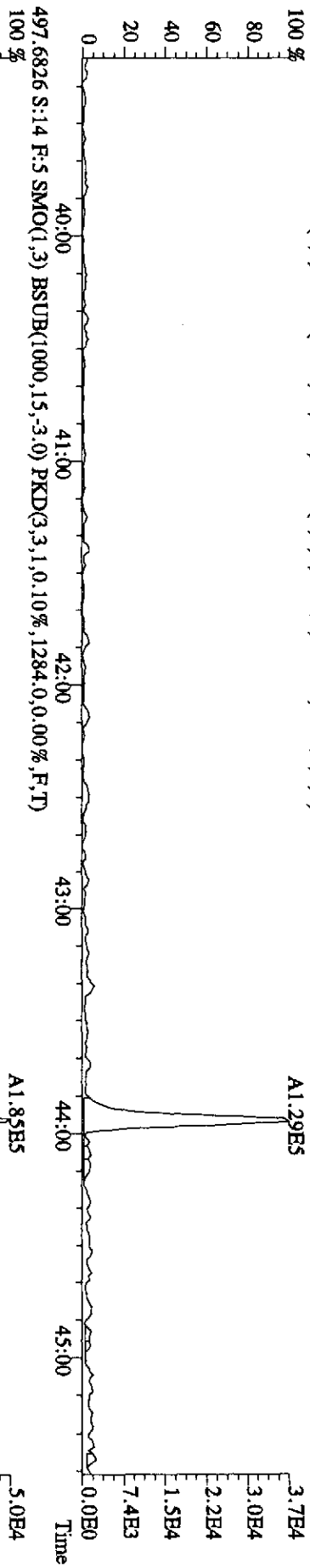
100% A1.57E6



File:22DE099D5 #1-385 Acq:22-DEC-2009 22:57:15 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#14 Text:LOALV-1-AA :G9L010507-3 Exp:209DB5  
 393.8025 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1140,0,0,00%,F,T) 100%  
 A7.30E6



File:22DE099D5 #1-420 Acq:22-DEC-2009 22:57:15 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#14 Text:LQALV-1-AA :G9L010507-3 Exp:209DB5  
 495.6856 S:14 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1176.0,0.00%,F,T)  
 100 %





Run text: LQAL0-1-AA      Sample text: LQAL0-1-AA :G9L010507-4  
 Run #15 Filename: 22DE099D5    S: 15    I: 1      Results: 22DE099D51668MSLDEC  
 Acquired: 22-DEC-09    23:48:37      Processed: 23-DEC-09    11:29:21  
 Run: 22DE099D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC1216099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 0.500000Sample

*M = low*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	82788900	0.68 y	25:10	-	227.33	-	-	n
13C-TCB-81	74520900	0.81 y	26:45	1.33	2711.80	2.24	67.8	n
TCB-81	21697	0.46 n	26:45	1.31	0.89	1.31	-	n
13C-TCB-77	76828900	0.81 y	27:18	1.38	2694.22	2.16	67.4	n
TCB-77	56440	1.17 n	27:19	1.15	2.55	1.54	-	n
13C-PeCB-123	70844100	0.66 y	28:40	1.07	3184.08	1.66	79.6	n
PeCB-123	*	* n	NotFnd	1.71	*	1.24	-	n
13C-PeCB-118	75980000	0.67 y	28:48	1.10	3324.44	1.62	83.1	n
PeCB-118/106	679127	0.52 n	28:49	1.78	20.13	1.12	-	n
13C-PeCB-114	73414900	0.66 y	29:28	1.15	3083.91	1.55	77.1	n
PeCB-114	*	* n	NotFnd	1.80	*	1.17	-	n
13C-PeCB-105	76329700	0.66 y	30:20	1.10	3343.29	1.62	83.6	n
PeCB-105/127	286369	0.54 y	30:21	1.62	9.28	1.23	-	n
13C-PeCB-126	82594600	0.65 y	32:14	1.21	3307.52	1.48	82.7	n
PeCB-126	*	* n	NotFnd	1.33	*	1.42	-	n
13C-OcCB-202	72600100	0.95 y	34:31	-	166.98	-	-	n
13C-HxCB-167	79502400	1.24 y	33:21	1.23	3565.72	2.63	89.1	n
HxCB-167	107936	1.52 n	33:18	1.21	4.50	1.50	-	n
13C-HxCB-156	82578400	1.28 y	34:38	0.97	4676.37	3.32	116.9	n
HxCB-156	126079	1.25 y	34:39	1.47	4.16	1.22	-	n
13C-HxCB-157	78776200	1.24 y	34:57	1.04	4171.46	3.11	104.3	n
HxCB-157	*	* n	NotFnd	1.48	*	1.23	-	n
13C-HxCB-169	80537500	1.24 y	36:48	1.16	3832.23	2.79	95.8	n
HxCB-169	*	* n	NotFnd	0.98	*	1.85	-	n
13C-HpCB-180	58190200	1.01 y	35:35	0.81	3954.86	1.25	98.9	n
HpCB-180	625245	0.97 y	35:37	1.34	32.14	0.93	-	n
13C-HpCB-170	50098200	0.99 y	37:15	0.66	4193.85	1.54	104.8	n
HpCB-170/190	306583	1.00 y	37:16	1.62	15.14	0.88	-	n
13C-HpCB-189	67448700	1.01 y	38:52	0.91	4086.31	1.11	102.2	n
HpCB-189	11449	2.39 n	38:54	1.23	0.55	0.86	-	n
13C-DeCB-209	35956700	0.76 y	43:56	0.69	2861.07	1.13	71.5	n
DECB-209	122447	0.77 y	43:57	1.53	8.89	1.33	-	n
13C-PeCB-111	73752600	0.66 y	26:37	1.28	3114.49	1.74	77.9	n

*CP*

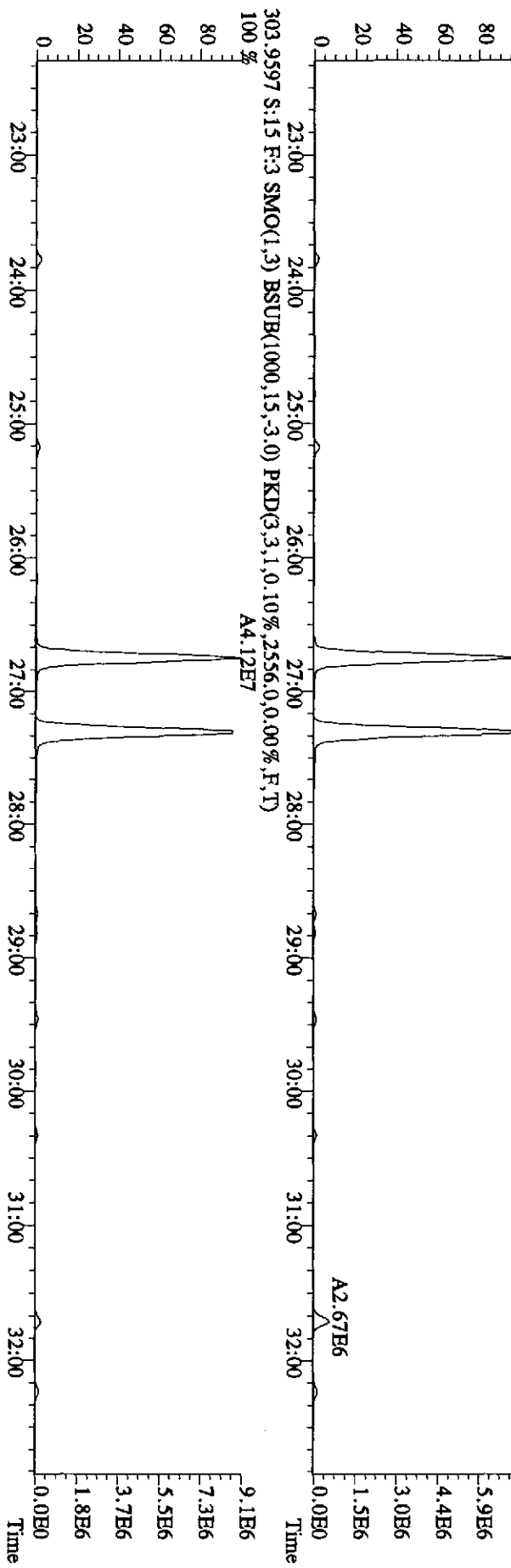
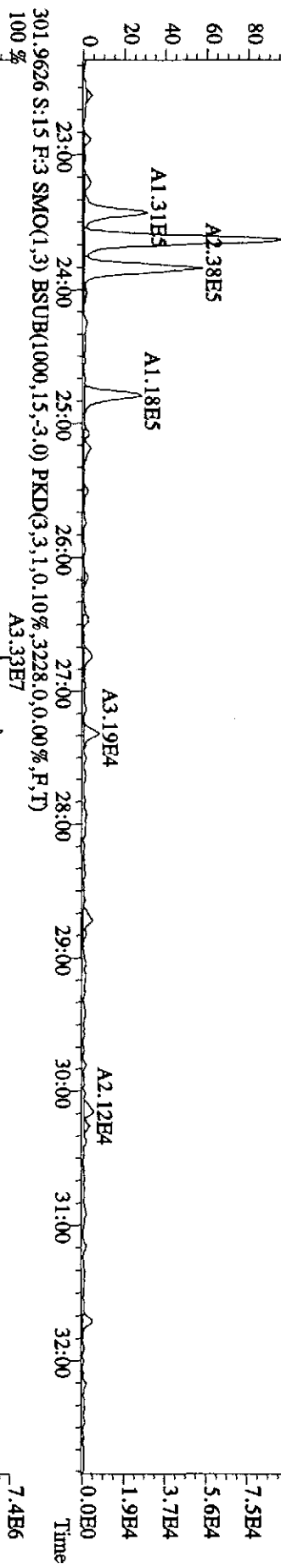
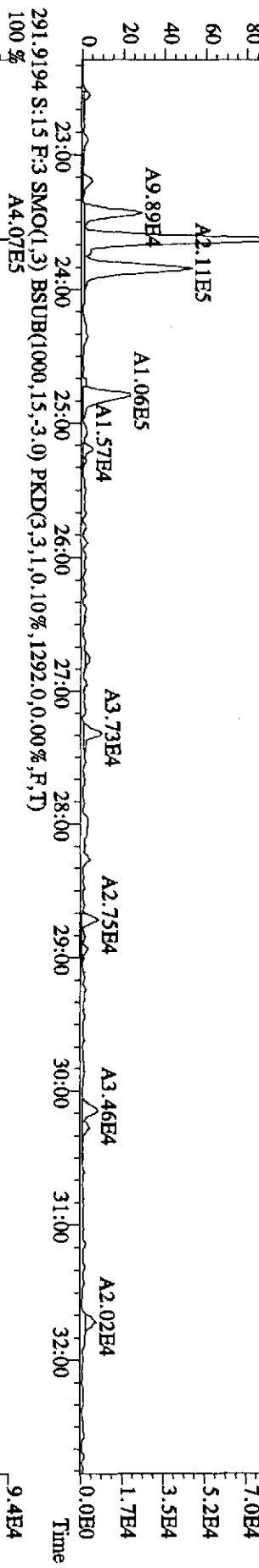


*Sh 2/19/09*

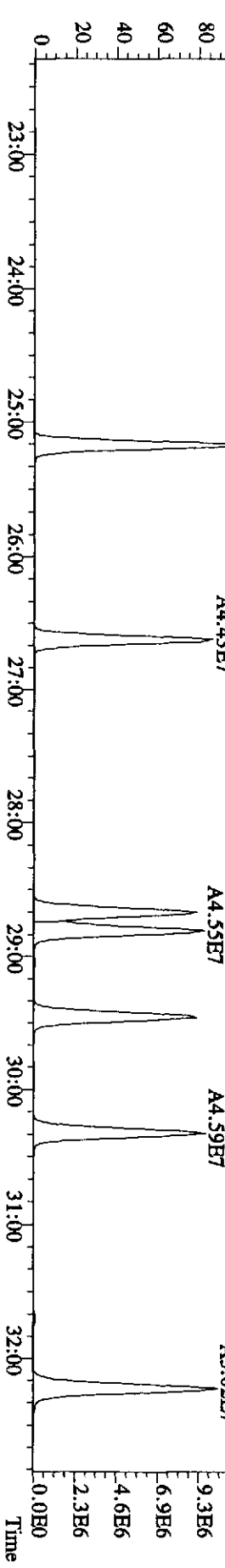
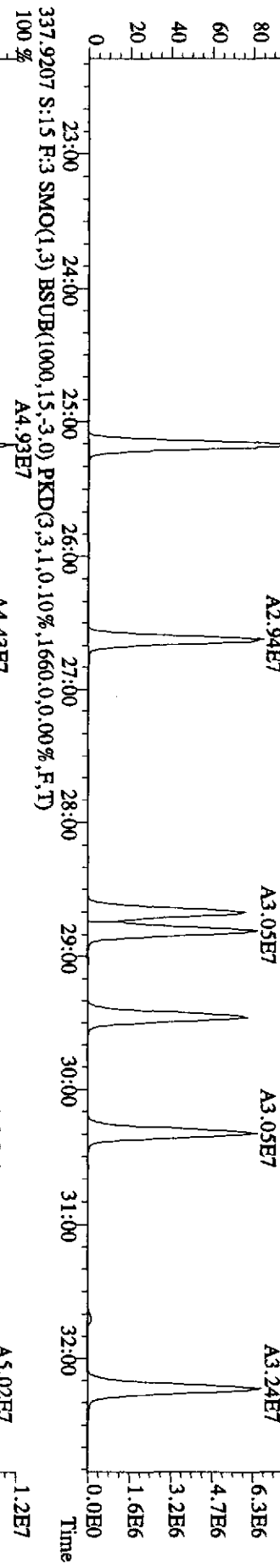
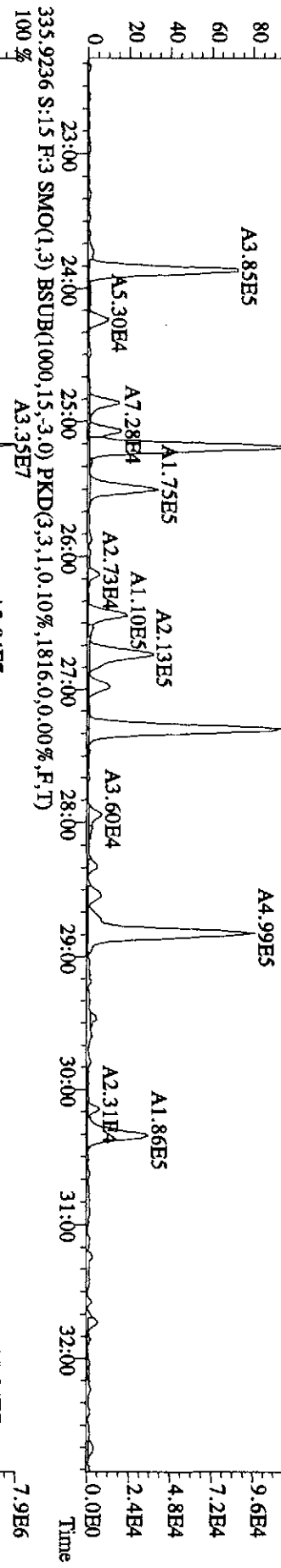
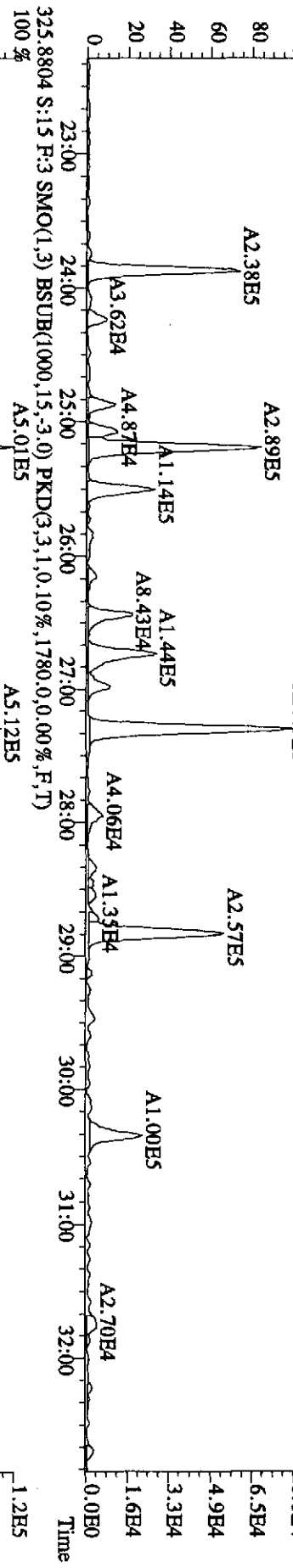
File:22DE099D5 #1-596 Acq:22-DEC-2009 23:48:37 GC EI+ Voltage SIR Autospec-Ultimate

Sample#15 Text:LQAL0-1-AA :G9L010507-4 Exp:209DB5

289.9224 S:15 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1532,0,0,00%,F,T)



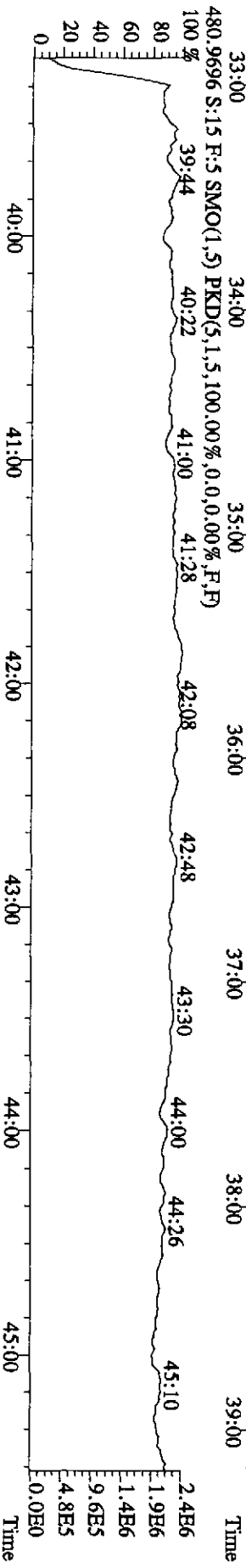
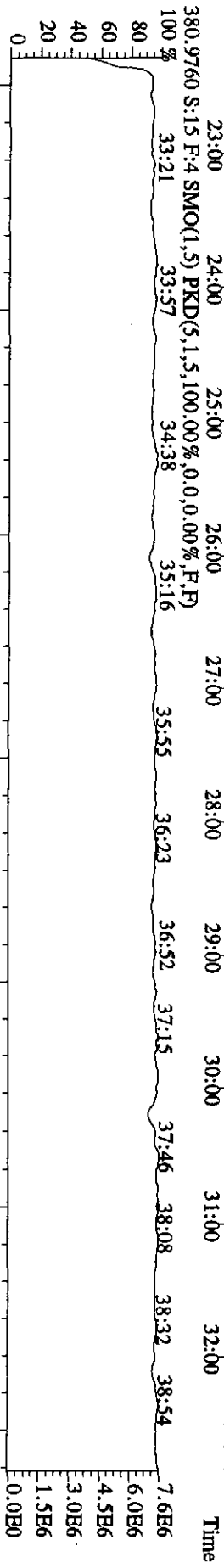
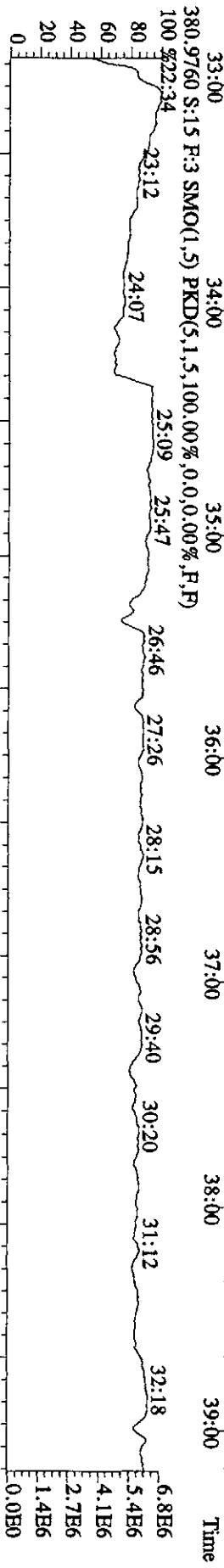
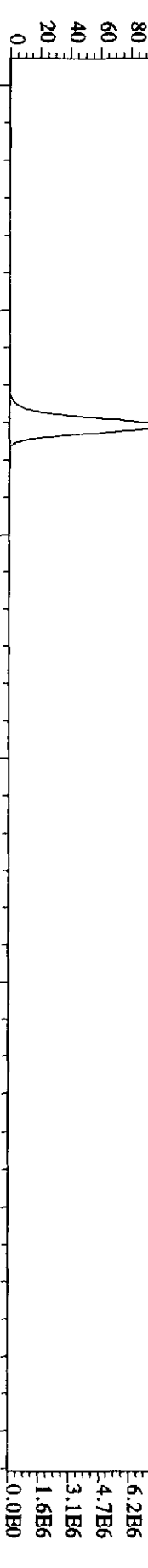
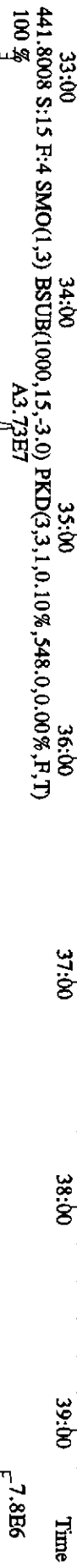
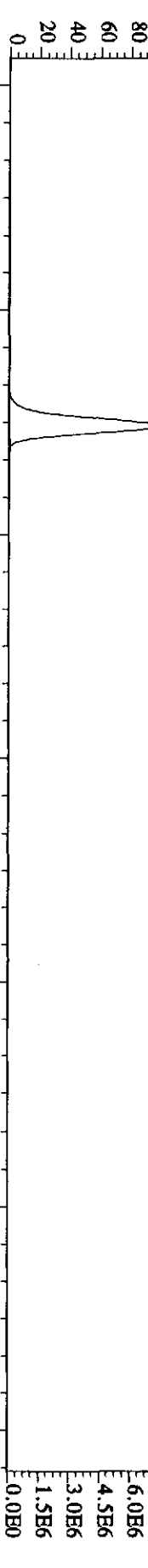
File: 22DB099D5 #1-596 Acq: 22-DEC-2009 23:48:37 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#15 Text: LQAL0-1-AA :G9L010507-4 Exp: 209DB5  
 323.8834 S:1.5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1420,0,0,00%,F,T)  
 A3.49E5



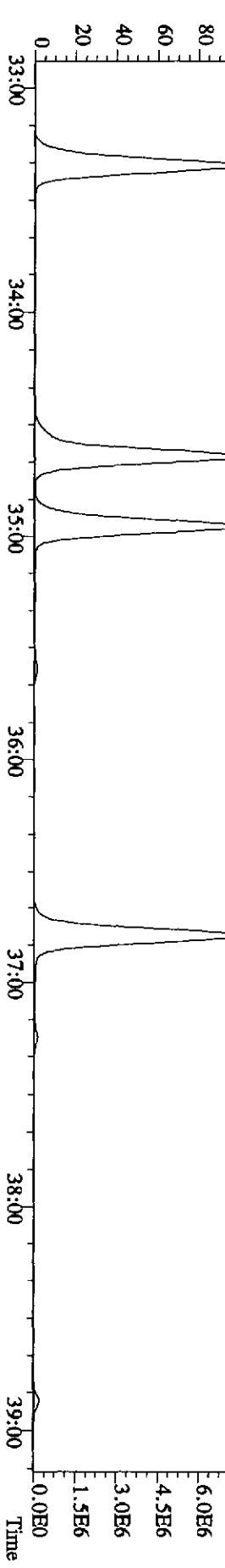
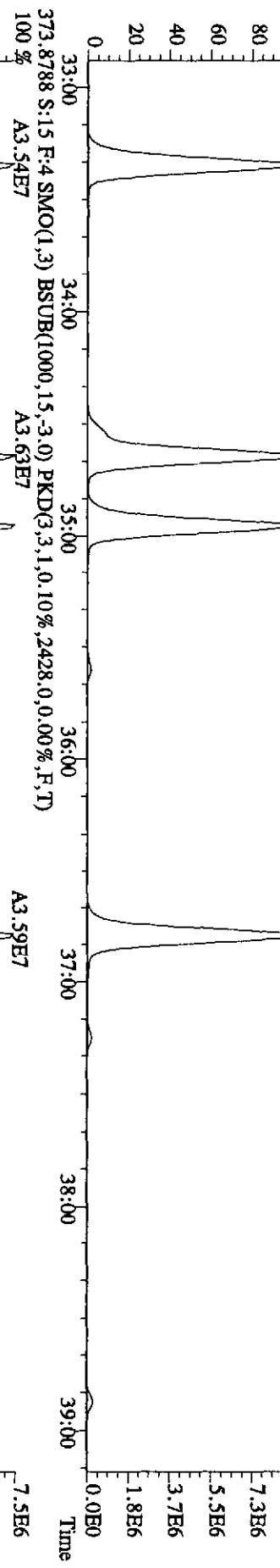
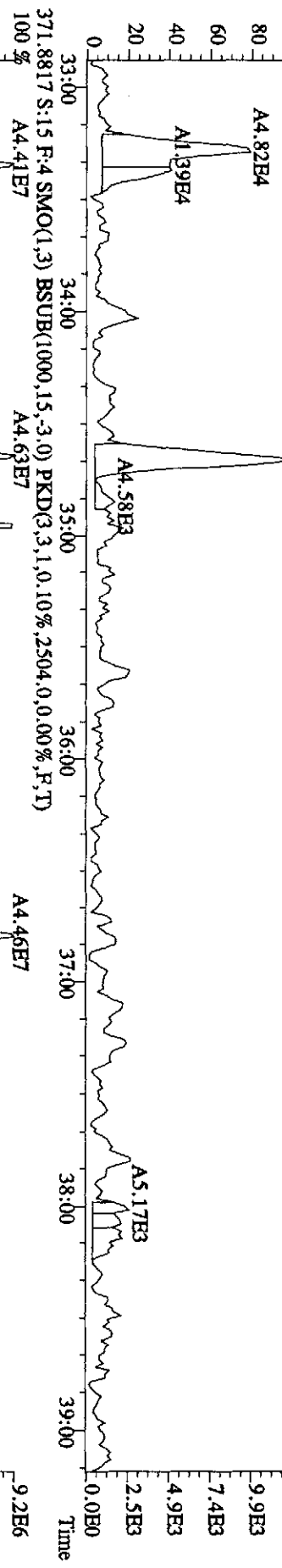
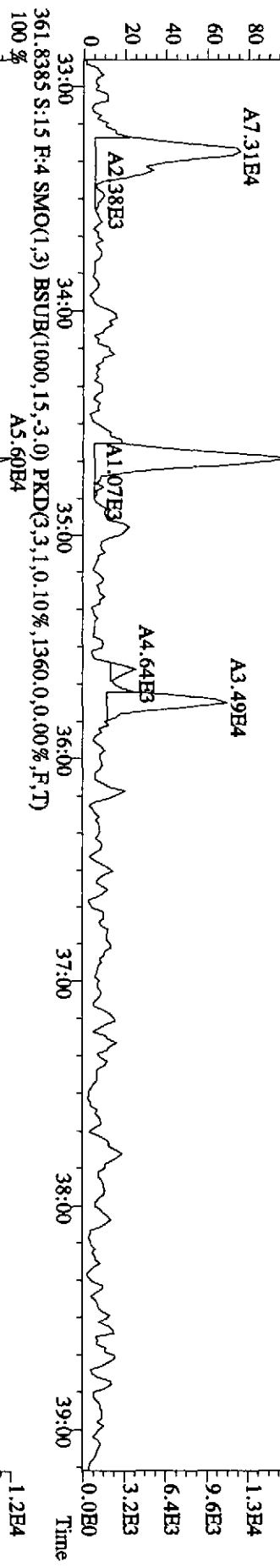
File:22DE099D5 #1-385 Acq:22-DEC-2009 23:48:37 GC EI + Voltage SIR Autospec-UltimaE

Sample#15 Text:LOALU-1-AA :G9L010507-4 Exp:209DB5

439.8038 S:1.5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,376.0,0.00%,F,T)



File:22DE099D5 #1-385 Acq:22-DEC-2009 23:48:37 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#15 Text:QAL0-1-AA :G9L010507-4 Exp:209DB5  
 359.8415 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1632,0,0,00%,F,T)  
 100%



File:22DBE099D5 #1-385 Acq:22-DEC-2009 23:48:37 GC EI+ Voltage SIR Autospec-Ultimate

Sample#15 Text:LOALU-1-AA :G9L010507-4

Exp:209DB5

393.8025 S:15 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,908,0,0,00%,F,T)

100 %

6.7E4

5.4E4

4.0E4

2.7E4

1.3E4

0.0E0

Time

395.7995 S:15 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,660,0,0,00%,F,T)

100 %

6.5E4

5.2E4

3.9E4

2.6E4

1.3E4

0.0E0

Time

405.8428 S:15 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,860,0,0,00%,F,T)

100 %

7.5E6

6.0E6

4.5E6

3.0E6

1.5E6

0.0E0

Time

407.8398 S:15 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,684,0,0,00%,F,T)

100 %

7.4E6

5.9E6

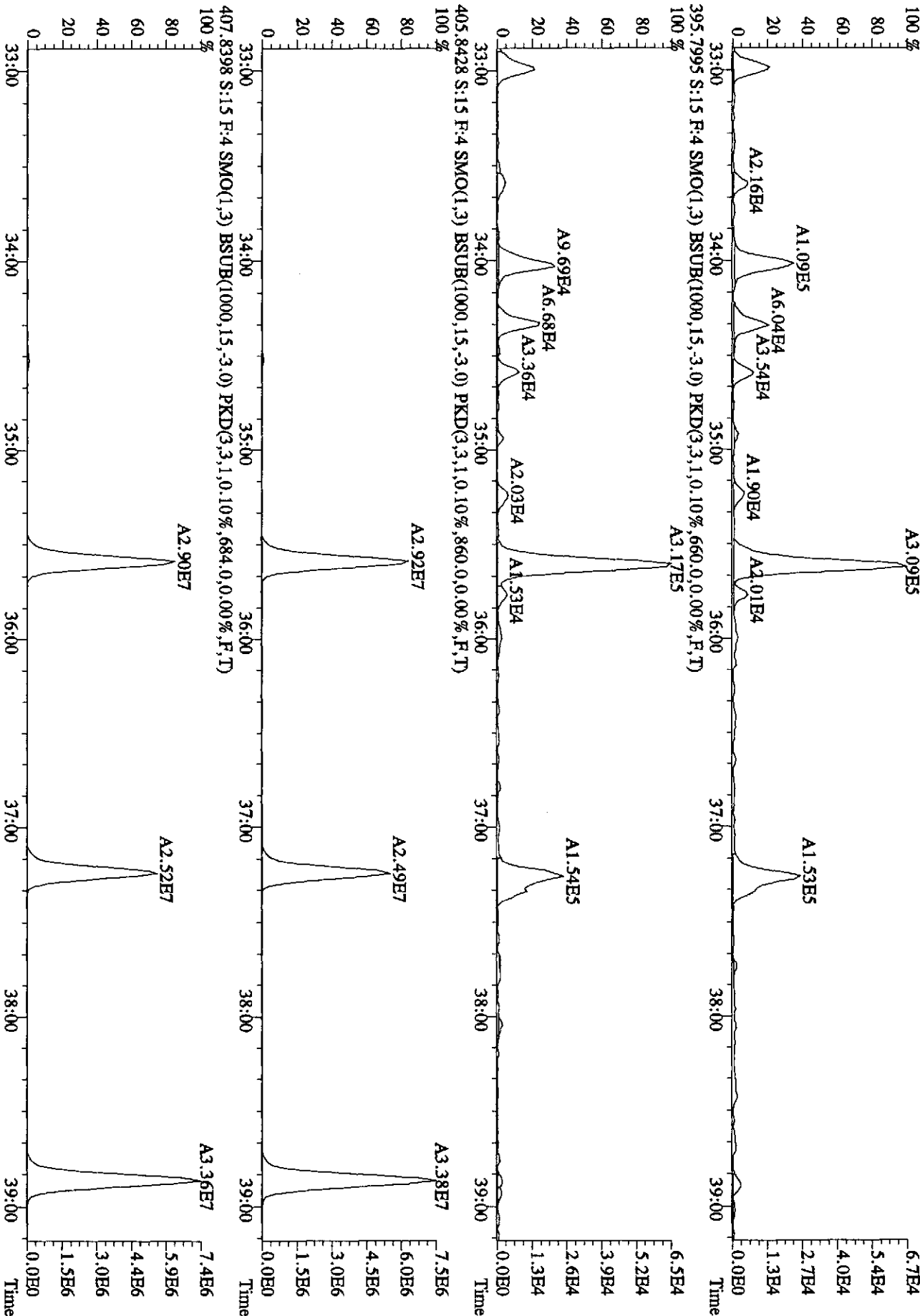
4.4E6

3.0E6

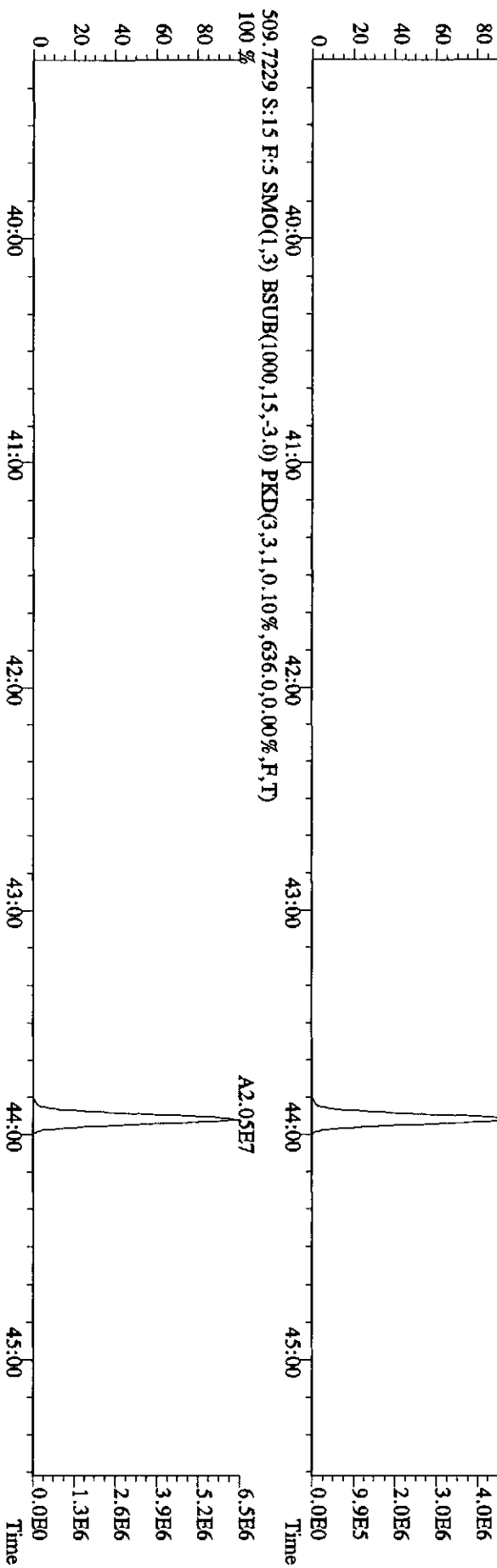
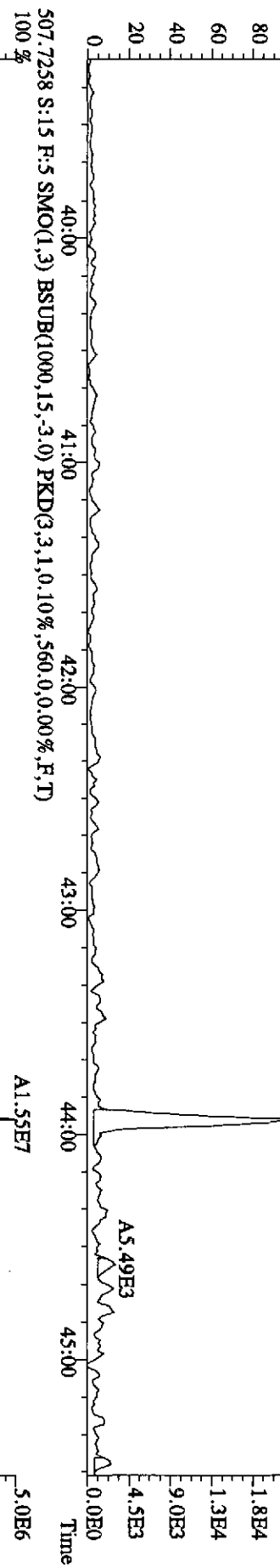
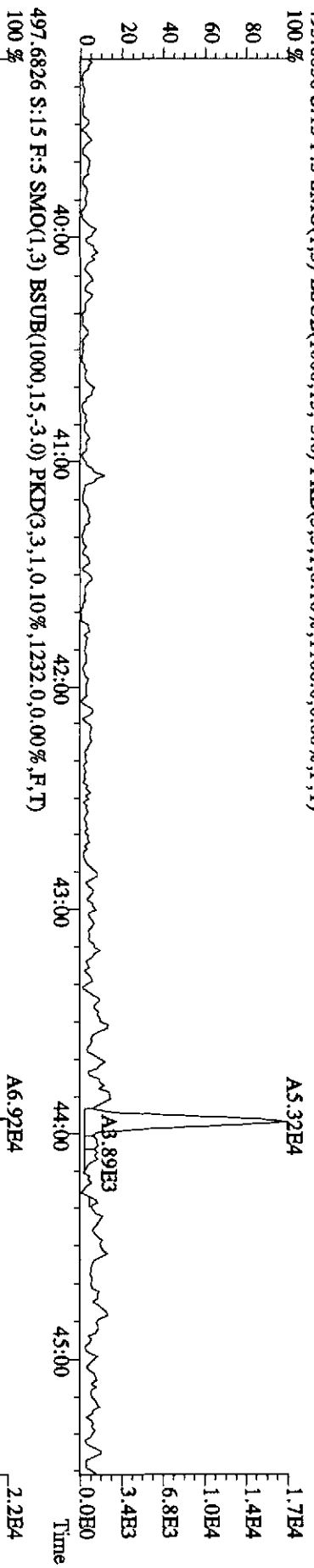
1.5E6

0.0E0

Time



File: 22DE099D5 #1-420 Acq: 22-DEC-2009 23:48:37 GC EI + Voltage SIR Autospec-UltimaE  
 Sample#15 Text: LQAL0-1-AA : G9L010507-4 Exp: 209DB5  
 495.6856 S:1.5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1108,0,0,00%,F,T)



Method ID 1668M (Short List + Decca)

Associated ICAL 1668M<sup>SL</sup>DEC121609905

Column ID DB5

Instrument ID 9D5

STD ID ST1222

STD Solution 09DXN208

Analyzed by K.A.S., A.M.

Date Analyzed 12/22/09

Std. Pkg. By M.G.

Date Std. Pkg. Assembled 12/23/09

Std. Pkg. Reviewed By JRB

Date Std. Pkg. Reviewed 12/23/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits? **	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* **Method 1668A (PCBs):** ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

**Method 1614 (DBDs/DBFs):** ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* **Method 1668A (PCBs):** resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

**Method 1614 (DBDs/DBFs):** a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).



Run text: ST1222 File text: ST1222 :CS4 09DXN208  
 Run #6 Filename 22DE099D5 S: 1 I: 1  
 Acquired: 22-DEC-09 11:15:25 Processed: 23-DEC-09 11:28:42  
 Run: 22DE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC1216099D5 Results: 22DE099D51668MSLDEC

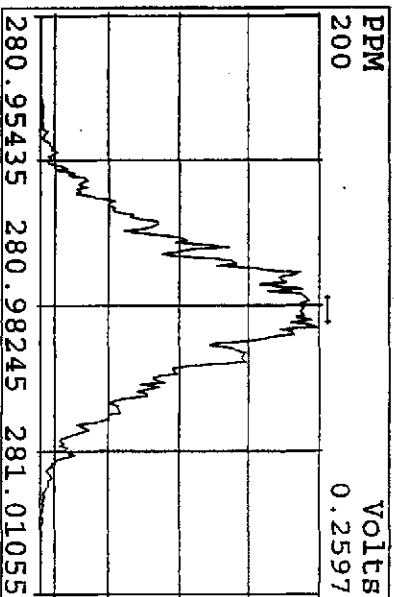
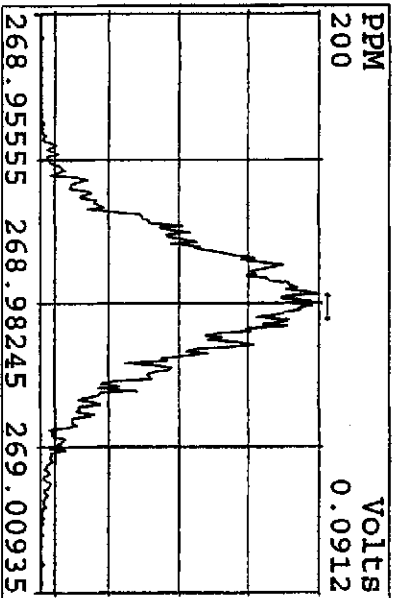
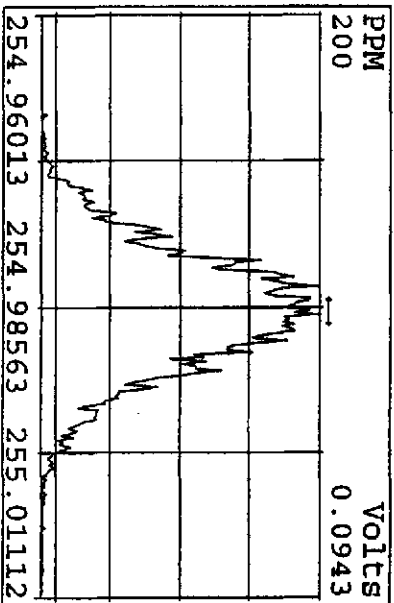
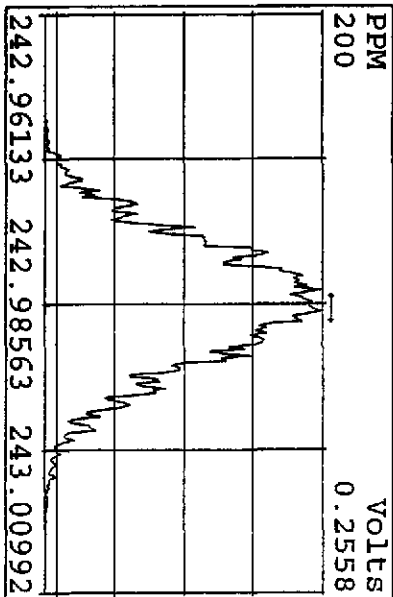
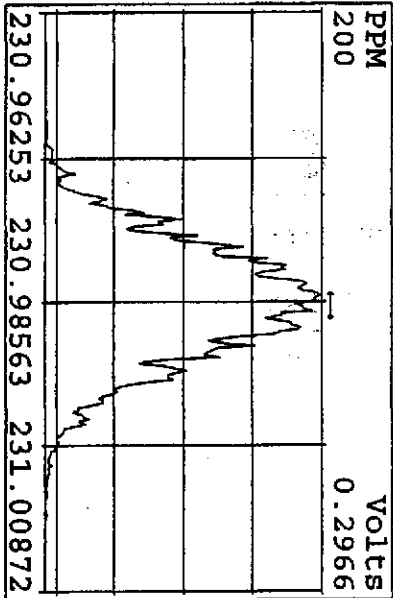
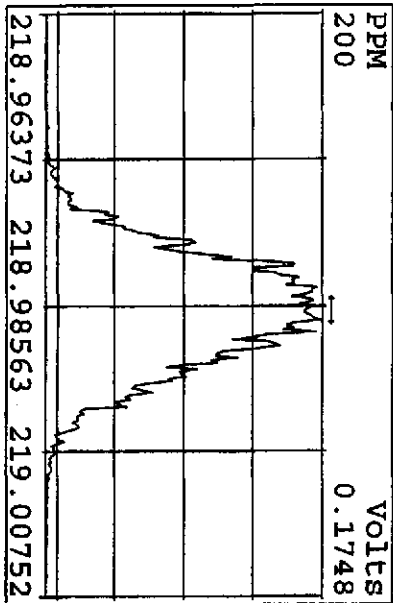
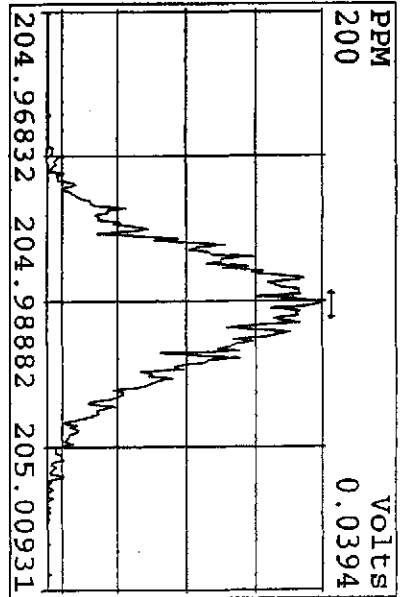
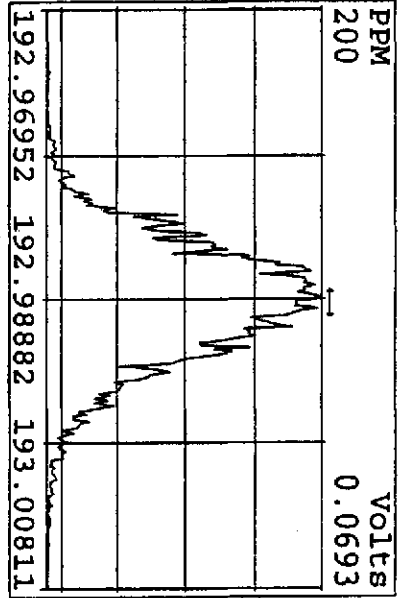
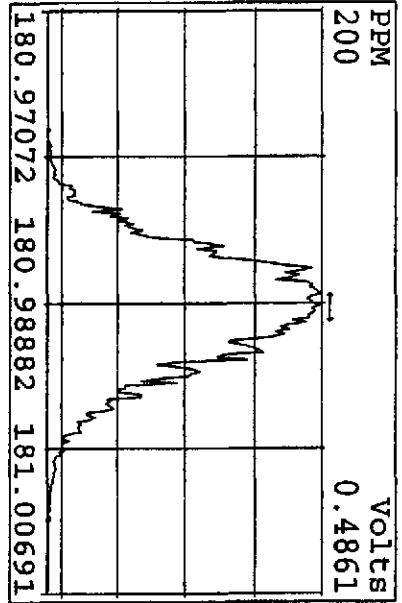
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	100260900	0.66 y	25:08	-	100.00	-	n
13C-TCB-81	126105800	0.80 y	26:42	1.26	100.00	-5.3	n
TCB-81	357084000	0.77 y	26:43	1.42	200.00	8.2	n
13C-TCB-77	131445400	0.81 y	27:16	1.31	100.00	-4.8	n
TCB-77	329811000	0.78 y	27:17	1.25	200.00	8.8	n
13C-PeCB-123	103832200	0.67 y	28:38	1.04	100.00	-3.7	n
PeCB-123	347045000	0.60 y	28:39	1.67	200.00	-2.0	n
13C-PeCB-118	110352100	0.66 y	28:47	1.10	100.00	-0.3	n
PeCB-118/106	373430000	0.60 y	28:48	1.69	200.00	-4.7	n
13C-PeCB-114	110809800	0.67 y	29:25	1.11	100.00	-3.9	n
PeCB-114	395888000	0.60 y	29:26	1.79	200.00	-0.7	n
13C-PeCB-105	106225500	0.67 y	30:18	1.06	100.00	-4.0	n
PeCB-105/127	331104000	0.60 y	30:19	1.56	200.00	-3.7	n
13C-PeCB-126	114321700	0.68 y	32:12	1.14	100.00	-5.5	n
PeCB-126	300805000	0.61 y	32:12	1.32	200.00	-1.1	n
13C-OcCB-202	110272600	0.91 y	34:29	-	100.00	-	n
13C-HxCB-167	129785800	1.24 y	33:19	1.18	100.00	-4.2	n
HxCB-167	359043000	1.21 y	33:20	1.38	200.00	14.6	n
13C-HxCB-156	105914800	1.26 y	34:37	0.96	100.00	-1.3	n
HxCB-156	336494000	1.22 y	34:38	1.59	200.00	8.2	n
13C-HxCB-157	113119700	1.25 y	34:55	1.03	100.00	-1.4	n
HxCB-157	350570000	1.20 y	34:56	1.55	200.00	4.8	n
13C-HxCB-169	123046400	1.26 y	36:45	1.12	100.00	-3.6	n
HxCB-169	257283000	1.24 y	36:46	1.05	200.00	6.9	n
13C-HpCB-180	86483900	1.02 y	35:34	0.78	100.00	-3.3	n
HpCB-180	224033000	1.01 y	35:35	1.30	200.00	-3.1	n
13C-HpCB-170	71014800	1.04 y	37:12	0.64	100.00	-2.2	n
HpCB-170/190	233015000	1.03 y	37:14	1.64	200.00	1.5	n
13C-HpCB-189	94256900	1.02 y	38:49	0.85	100.00	-6.0	n
HpCB-189	238478000	1.04 y	38:51	1.27	200.00	3.1	n
13C-DeCB-209	67505700	0.75 y	43:55	0.61	100.00	-11.6	n
DECB-209	214905000	0.71 y	43:56	1.59	200.00	3.8	n
13C-PeCB-111	136890000	0.65 y	26:36	1.27	100.00	-0.6	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
22DE099D5	1	ST1222	CS4 09DXN208				1.00000	
22DE099D5	2	ST1222A	209PCB 09DXN413				1.00000	
22DE099D5	3	SB1222	Solvent Blank C-12				1.00000	
22DE099D5	4	LM2QN-1-AC	G9J210373-12	20	1668/WATER	23	1.01250	L
22DE099D5	5	LPVMH-1-AA	G9K200000-339B	20	1668/WATER	37	1.00000	L
22DE099D5	6	LNQ70-1-AA	G9K030574-2	20	1668/WATER		0.24160	L
22DE099D5	7	LQJCC-1-AC	G9L040000-303C	20	1668/WATER	53	1.00000	L
22DE099D5	8	LQCNX-1-AA	G9L020000-212B	20	1668/AIR	48	0.33333	Sam
22DE099D5	9	LQCNX-1-AC	G9L020000-212C	20	1668/AIR		0.33333	Sam
22DE099D5	10	LP81D-1-AD	G9K300420-1	20	1668/AIR		0.33333	Sam
22DE099D5	11	LQKH5-1-AD	G9L040643-1	20	1668/SOLID	58	10.59000	g
22DE099D5	12	LQALL-1-AA	G9L010507-1	20	1668/AIR	51	0.50000	Sam
22DE099D5	13	LQALR-1-AA	G9L010507-2	20	1668/AIR		0.50000	Sam
22DE099D5	14	LQALV-1-AA	G9L010507-3	20	1668/AIR		0.50000	Sam
22DE099D5	15	LQALO-1-AA	G9L010507-4	20	1668/AIR		0.50000	Sam
22DE099D5	16	SB1222A	Solvent Blank C-12				1.00000	
22DE099D5	17	ST1222B	CS4 09DXN208				1.00000	
22DE099D5	18	SB1222B	Solvent Blank C-12				1.00000	
22DE099D5	19	LQFNE-1-AA	G9L030000-330B	20	1668/AIR	51	0.50000	Sam
22DE099D5	20	LQFNE-1-AC	G9L030000-330C	20	1668/AIR		0.50000	Sam
22DE099D5	21	LQADT-1-AD	F9L010476-5 RI	20	1668/SOLID	53	20.51000	g
22DE099D5	22	LQADV-1-AD	F9L010476-6 RI	20	1668/SOLID		20.47000	g
22DE099D5	23	LQAD8-1-AC	F9L010476-11 RI	20	1668/SOLID		20.50000	g
22DE099D5	24	LQADX-1-AD	F9L010476-7 (3X)	20	1668/SOLID		20.16000	g
22DE099D5	25	LQAD0-1-AD	F9L010476-8 (3X)	20	1668/SOLID		20.05000	g
22DE099D5	26	LQAD1-1-AD	F9L010476-9 (3X)	20	1668/SOLID		20.20000	g
22DE099D5	27	LQAD2-1-AD	F9L010476-10 (3X)	20	1668/SOLID		20.00000	g
22DE099D5	28	LQFW7-1-AE	F9L030474-4 (3X)	20	1668/SOLID	56	20.18000	g
22DE099D5	29	LQFW8-1-AE	F9L030474-5 (3X)	20	1668/SOLID		20.60000	g
22DE099D5	30	LQFW8-1-AL	F9L030474-5S (3X)	20	1668/SOLID		20.70000	g
22DE099D5	31	LQFW8-1-AM	F9L030474-5D (3X)	20	1668/SOLID		20.36000	g
22DE099D5	32	SB1222C	Solvent Blank C-12				1.00000	
22DE099D5	33	ST1222C	CS4 09DXN208				1.00000	
22DE099D5	34	SB1222D	Solvent Blank C-12				1.00000	
22DE099D5	35	LQFXJ-1-AE	F9L030474-6 (3X)	20	1668/SOLID	56	20.56000	g
22DE099D5	36	LQFXR-1-AE	F9L030474-7 (3X)	20	1668/SOLID		20.00000	g
22DE099D5	37	LQFX3-1-AE	F9L030474-10 (3X)	20	1668/SOLID		20.01000	g
22DE099D5	38	LQFX6-1-AE	F9L030474-11 (3X)	20	1668/SOLID		20.74000	g
22DE099D5	39	LQFOC-1-AE	F9L030474-12 (3X)	20	1668/SOLID		20.38000	g
22DE099D5	40	LQFOG-1-AE	F9L030474-13 (3X)	20	1668/SOLID		20.87000	g
22DE099D5	41	LQFOK-1-AE	F9L030474-14 (3X)	20	1668/SOLID		20.30000	g
22DE099D5	42	LQFW3-1-AE	F9L030474-2 (5X)	20	1668/SOLID		20.40000	g
22DE099D5	43	LQFW4-1-AE	F9L030474-3 (5X)	20	1668/SOLID		20.00000	g
22DE099D5	44	LQFX1-1-AE	F9L030474-8 (10X)	20	1668/SOLID		20.47000	g
22DE099D5	45	LQFX2-1-AE	F9L030474-9 (10X)	20	1668/SOLID		20.27000	g
22DE099D5	46	SB1222E	Solvent Blank C-12				1.00000	
22DE099D5	47						1.00000	
22DE099D5	48						1.00000	
22DE099D5	49						1.00000	
22DE099D5	50						1.00000	
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22DE099D5	52		KAS, AM 12-22-09				1.00000	
22DE099D5	53						1.00000	

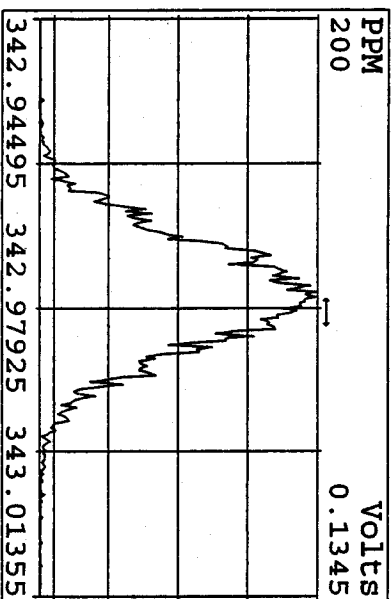
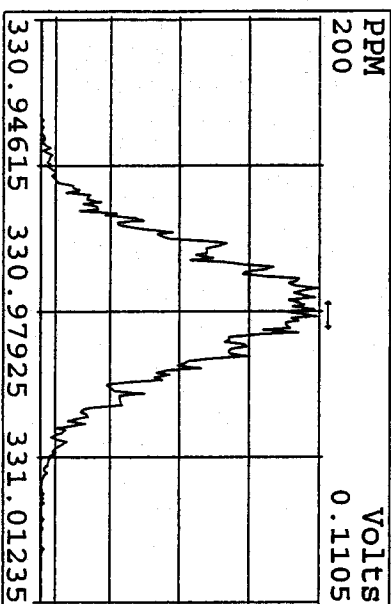
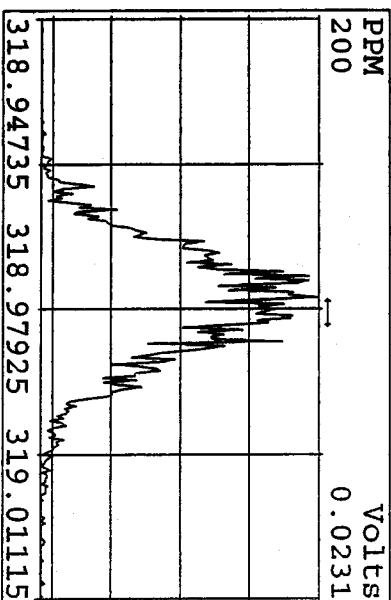
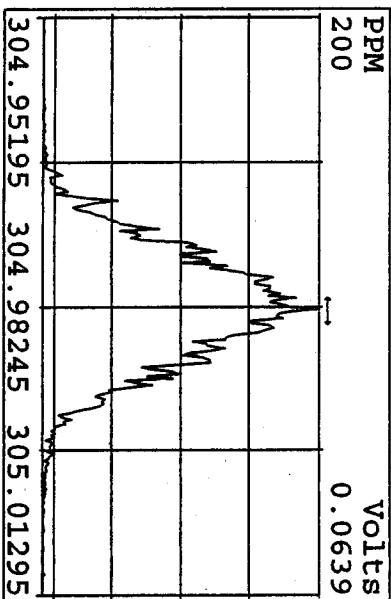
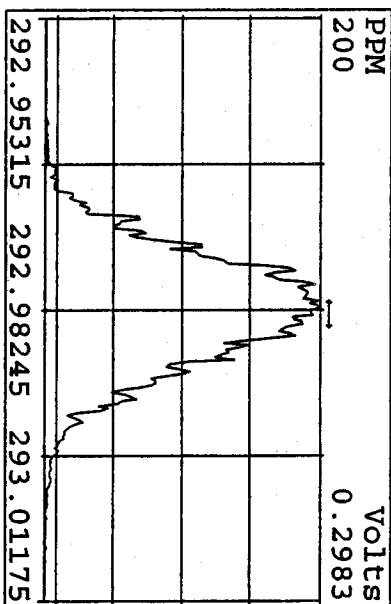
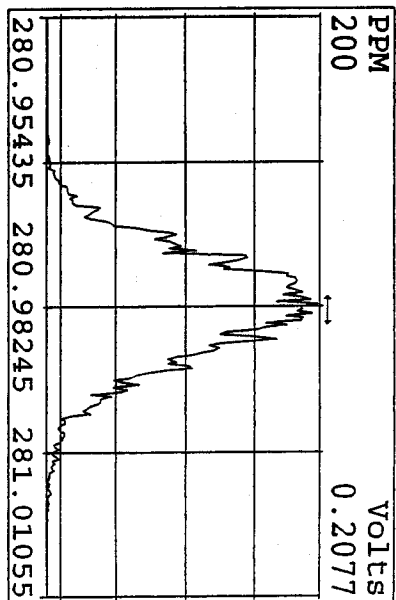
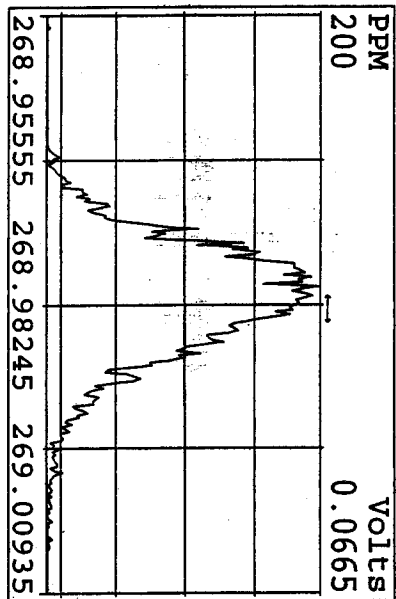
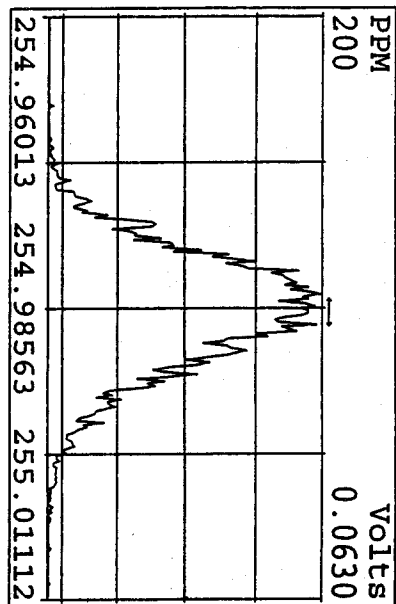
for TCR81 + TCR77 failed reviewed to #15 by JMS 12/22/09

halted

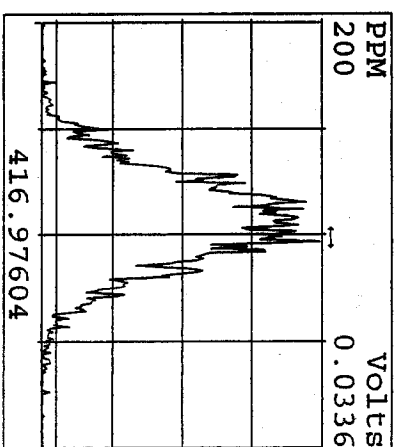
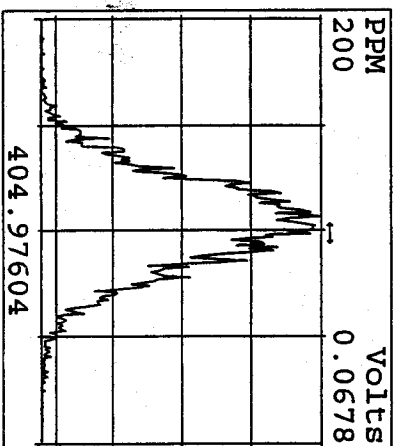
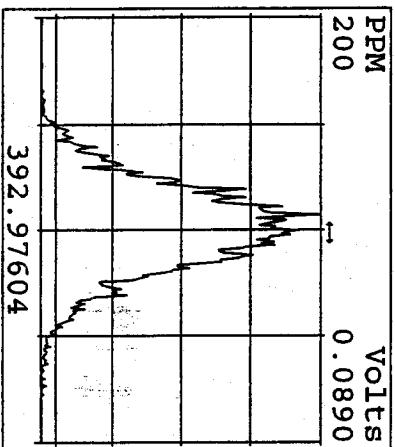
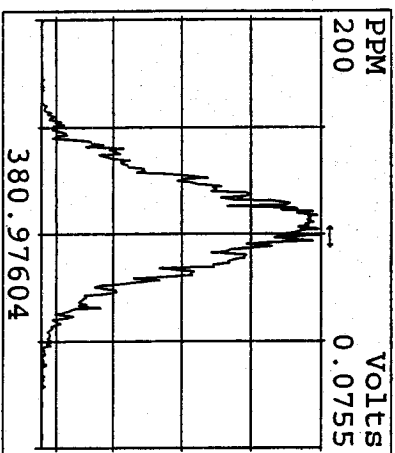
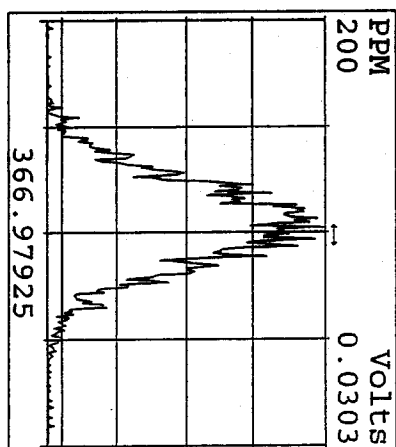
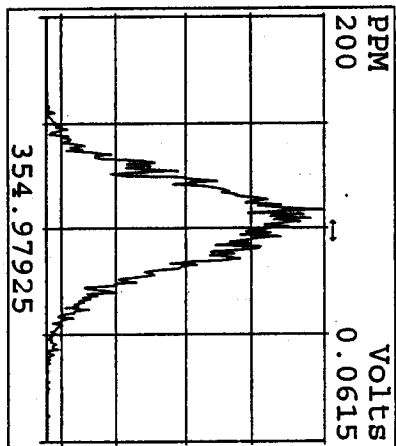
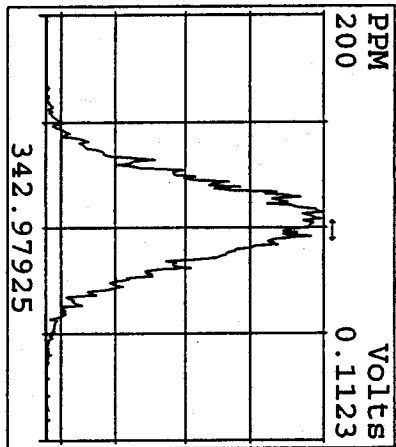
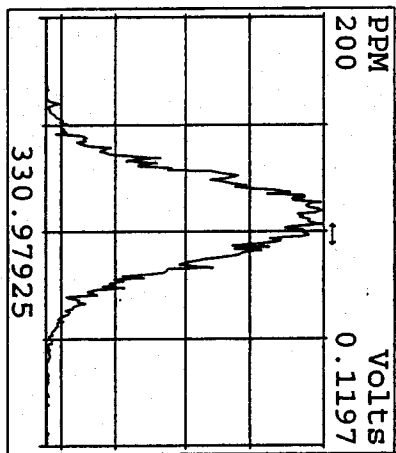
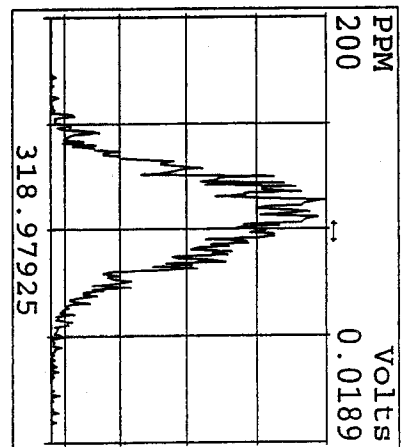
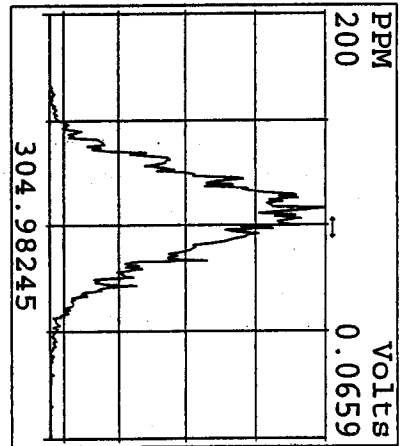
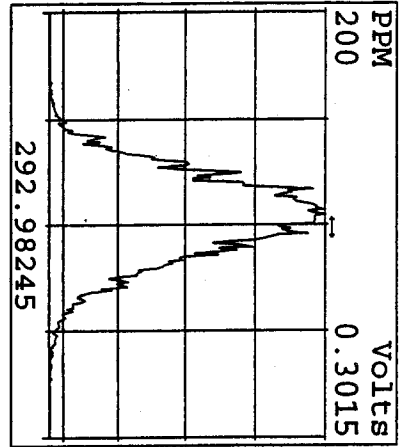
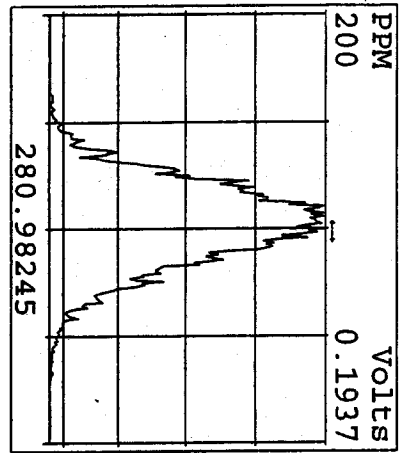
Peak Locate Examination: 22-DEC-2009:11:11 File: 22DE099D5  
 Experiment: 209DB5 Function: 1 Reference: PRK



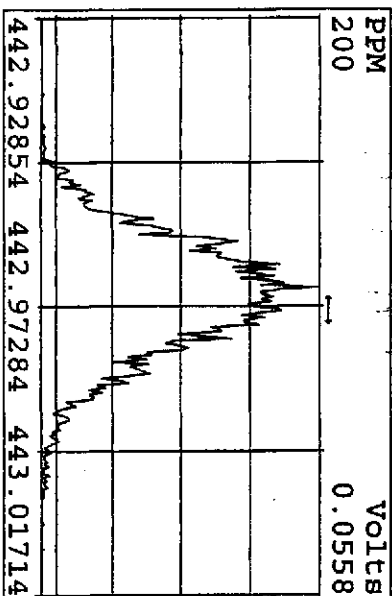
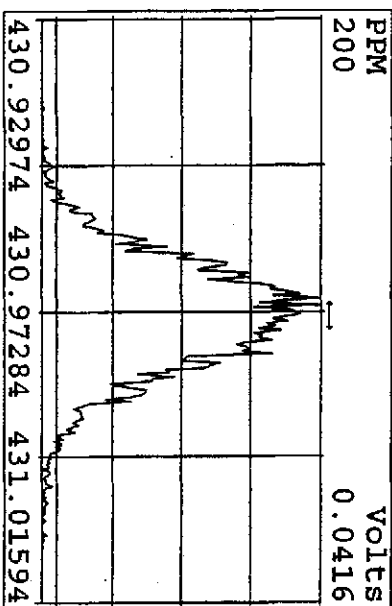
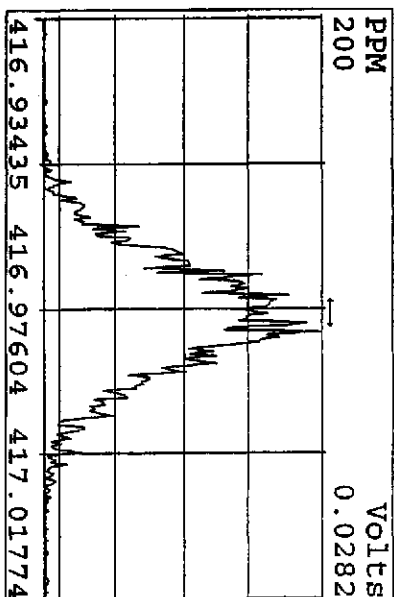
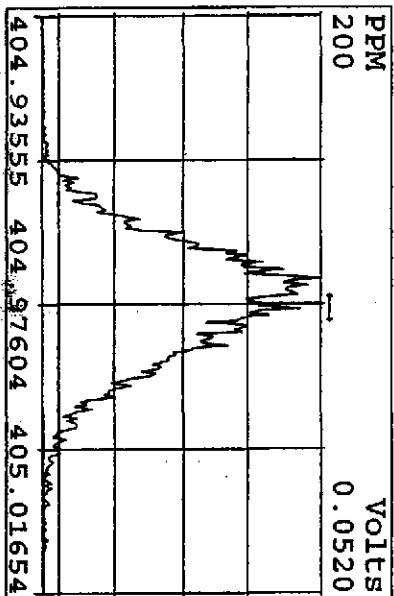
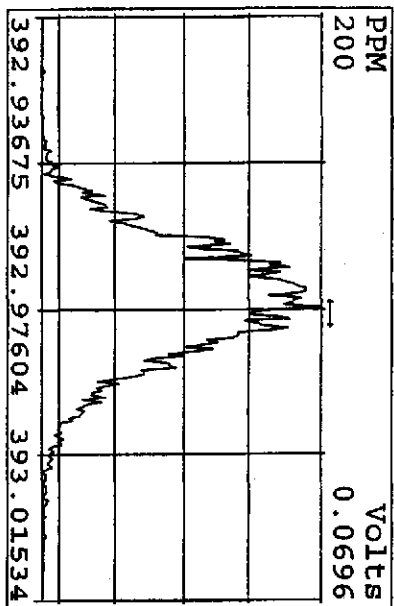
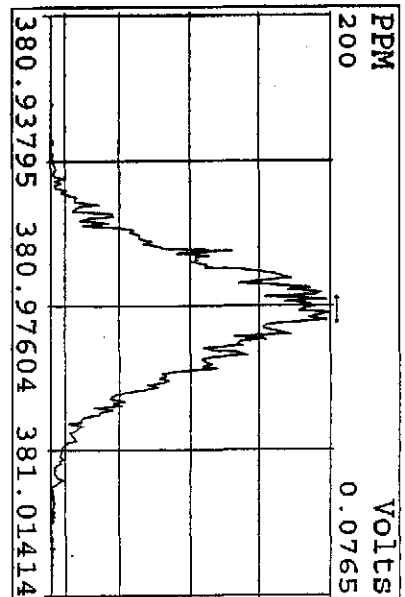
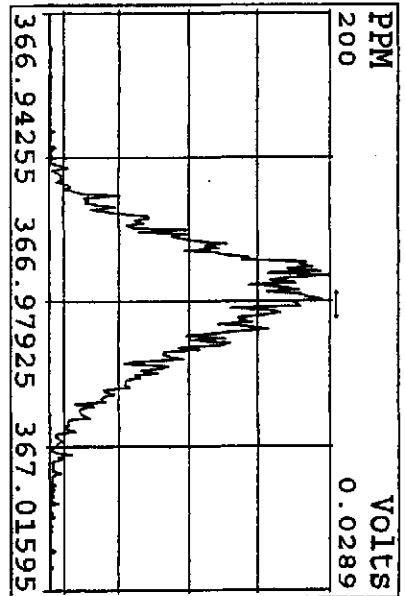
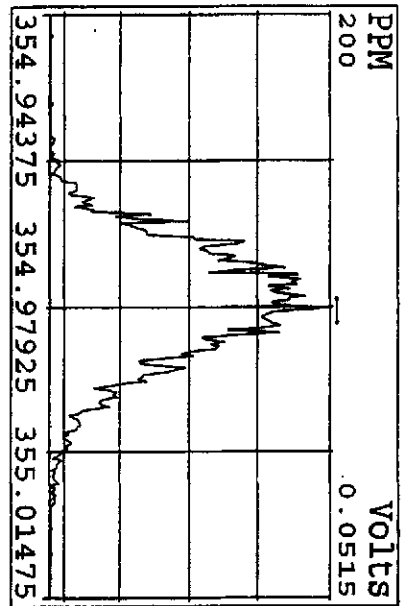
Peak Locate Examination: 22-DEC-2009:11:12 File: 22DE099D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



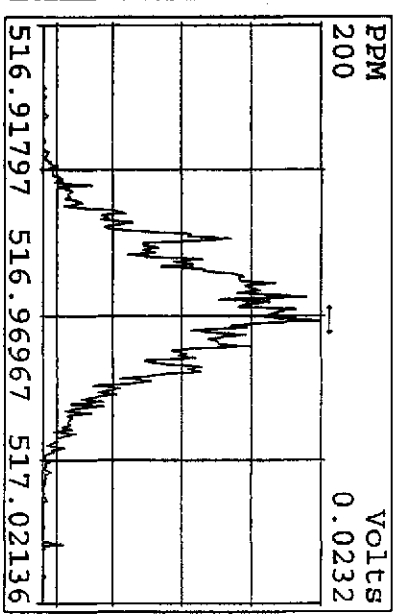
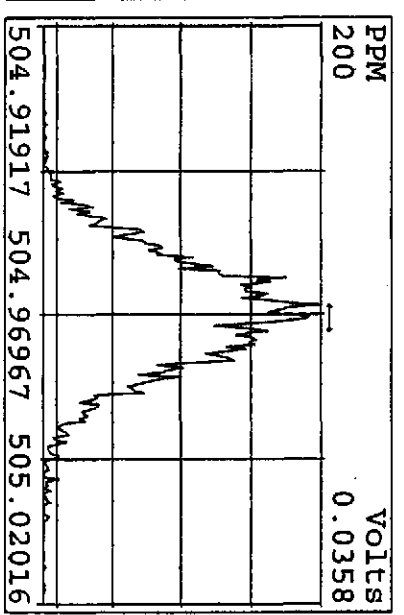
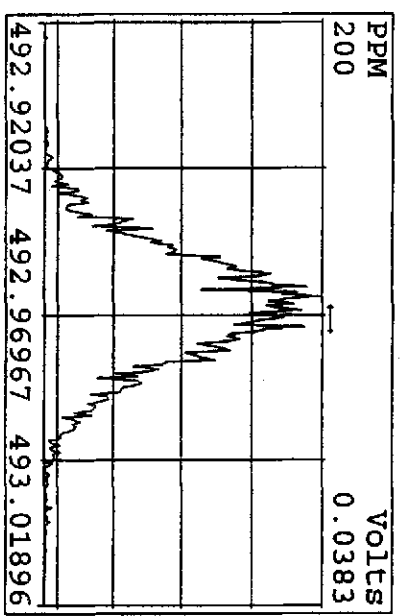
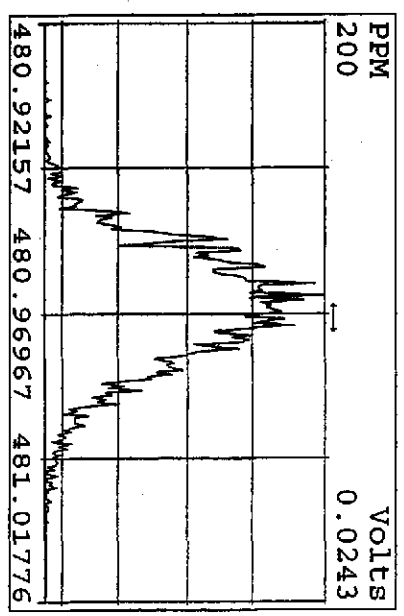
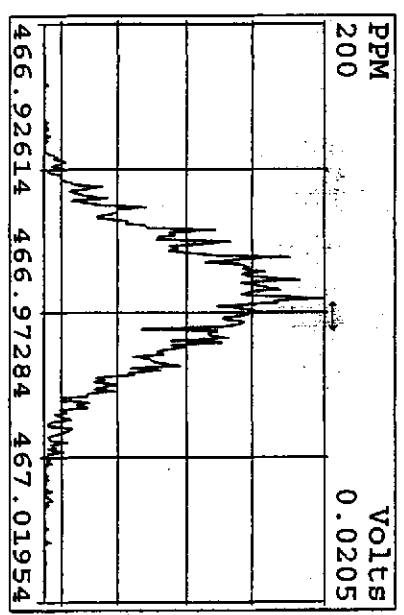
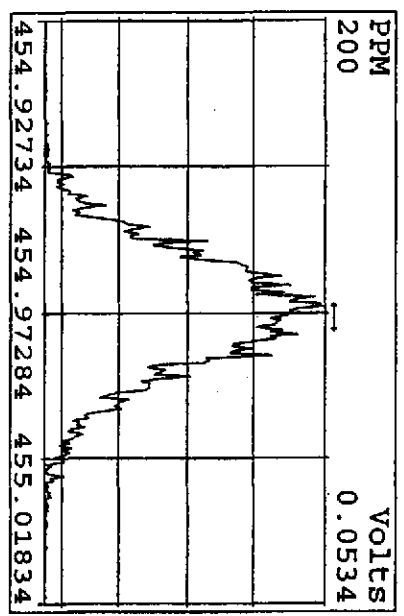
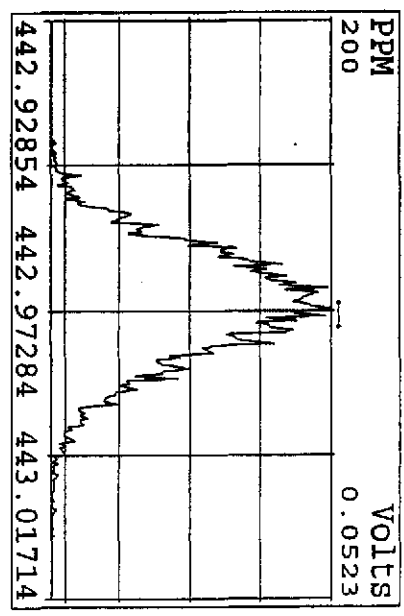
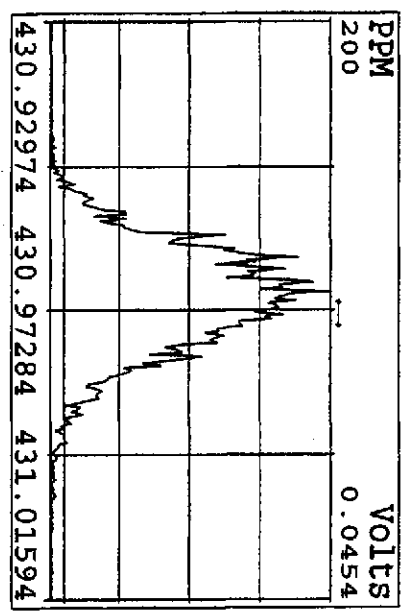
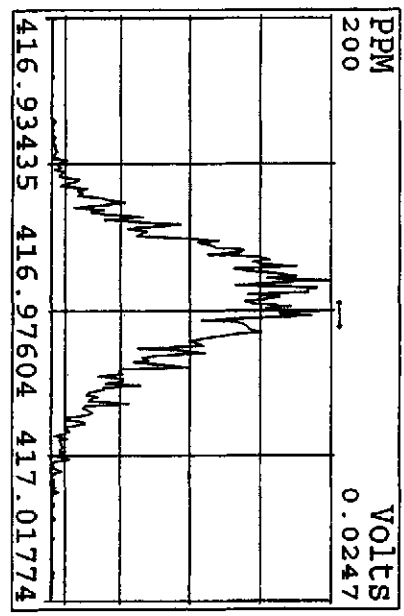
Peak Locate Examination: 22-DEC-2009: 11:13 File: 22DE099D5  
Experiment: 209DB5 Function: 3 Reference: PFK



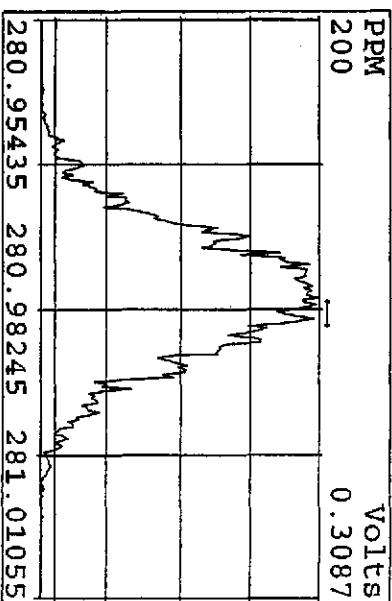
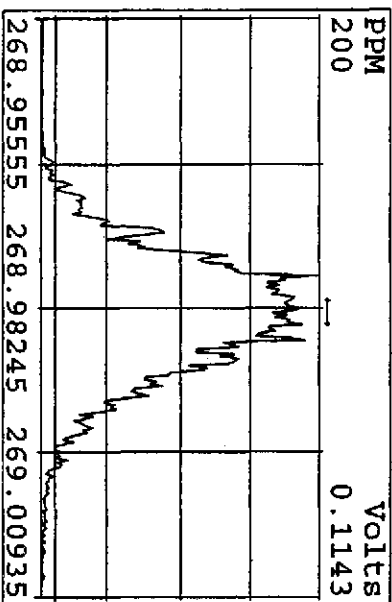
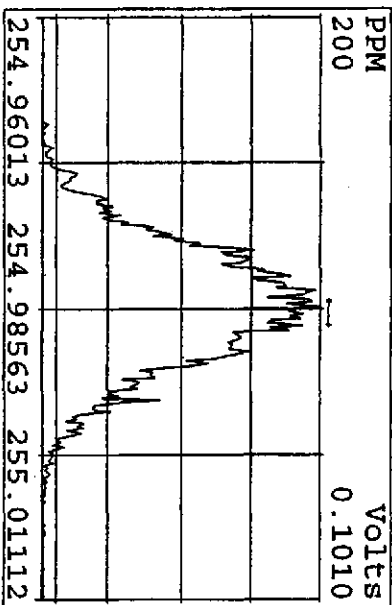
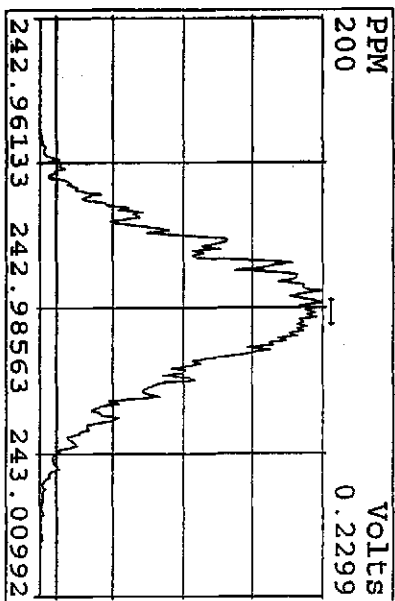
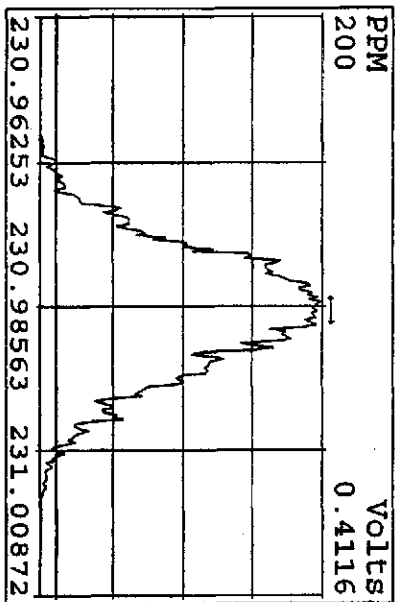
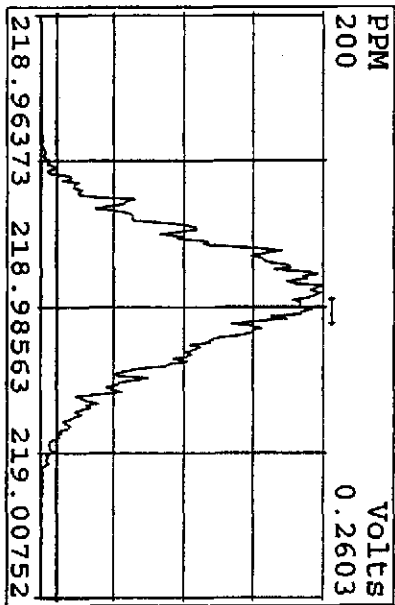
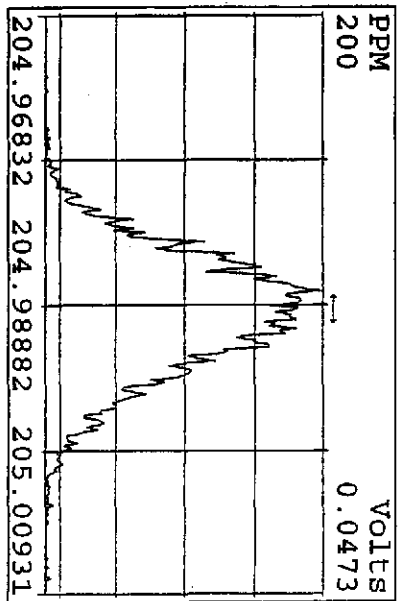
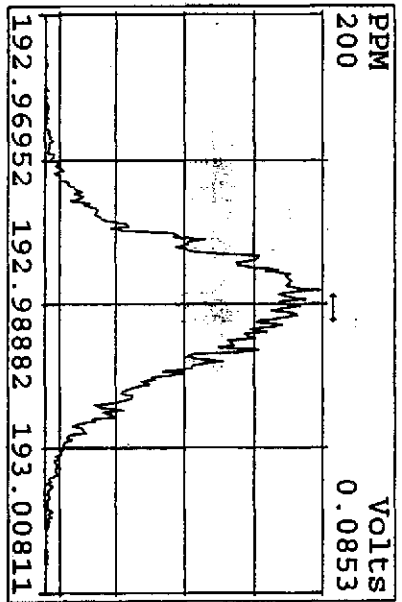
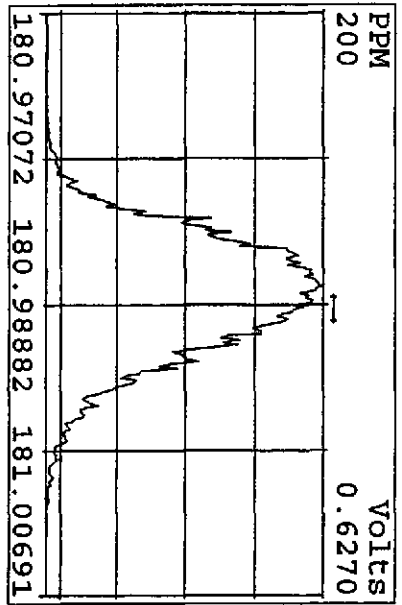
Peak Locate Examination: 22-DEC-2009:11:14 File: 22DE099D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



Peak Locate Examination: 22-DEC-2009:11:14 File: 22DE099DS  
 Experiment: 209DB5 Function: 5 Reference: PFK

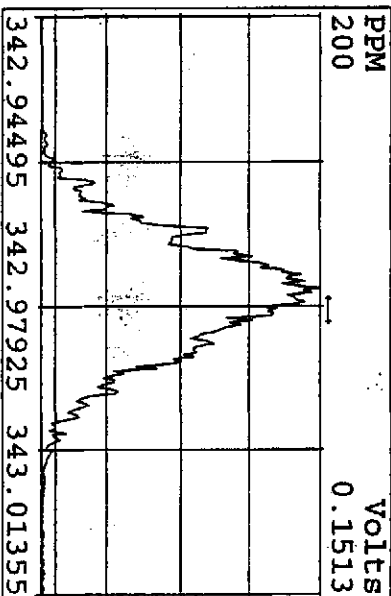
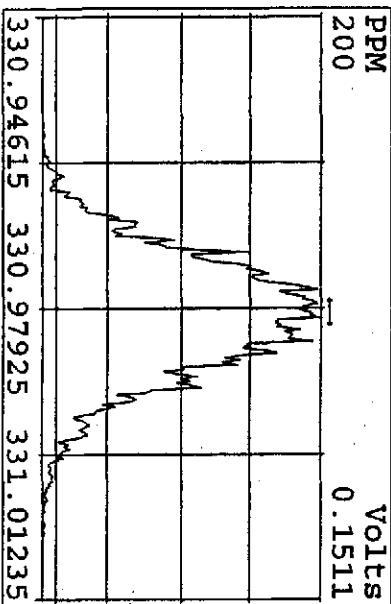
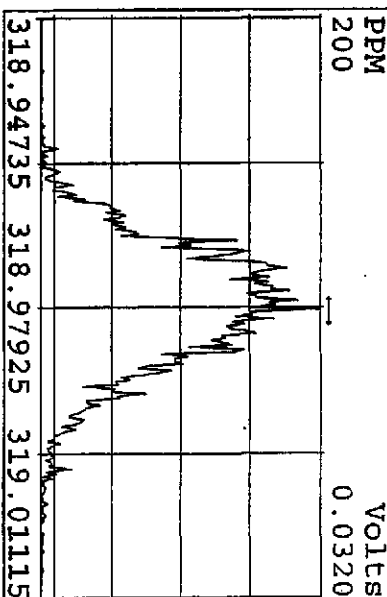
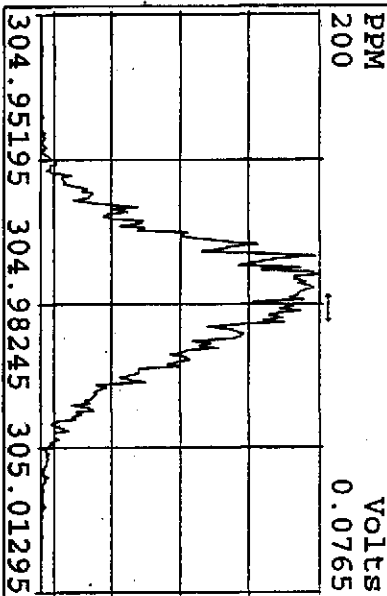
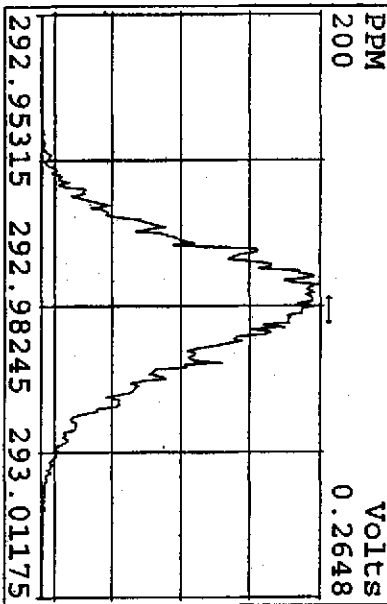
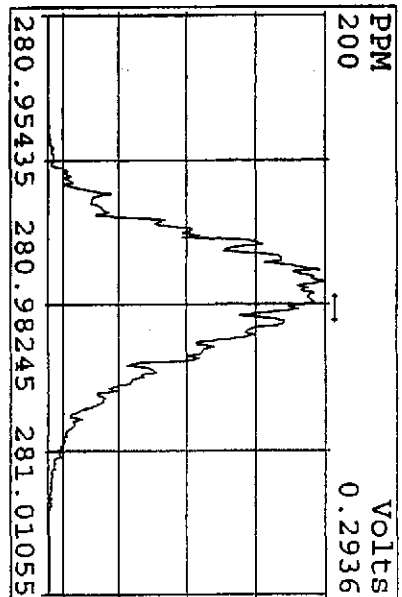
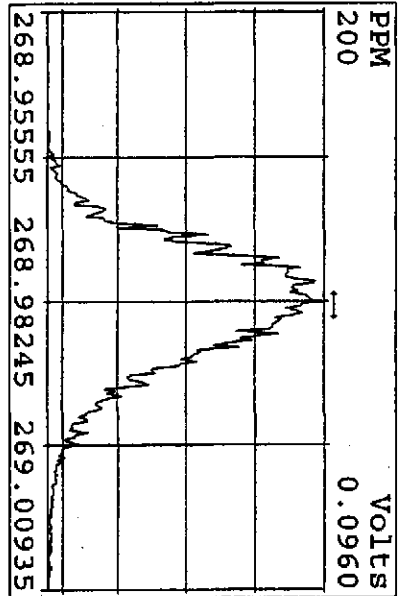
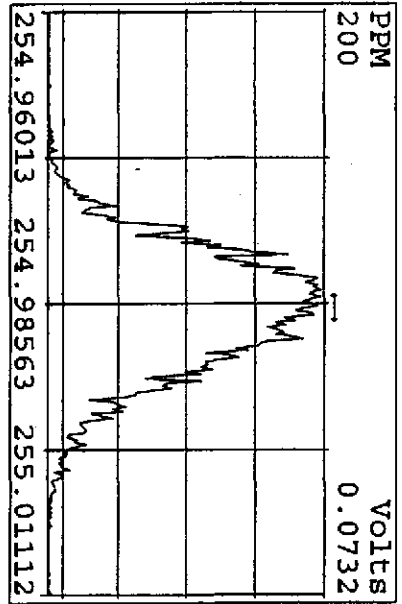


Peak Locate Examination: 23-DEC-2009:05:13 File: ENDRRES22DE099D5  
 Experiment: 209DB5 Function: 1 Reference: PK

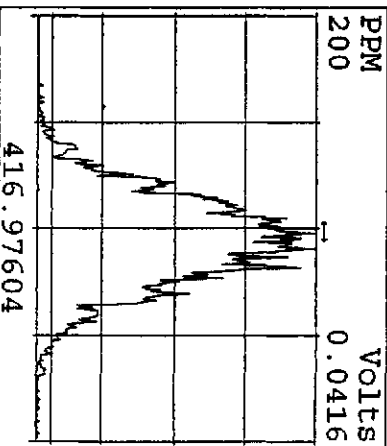
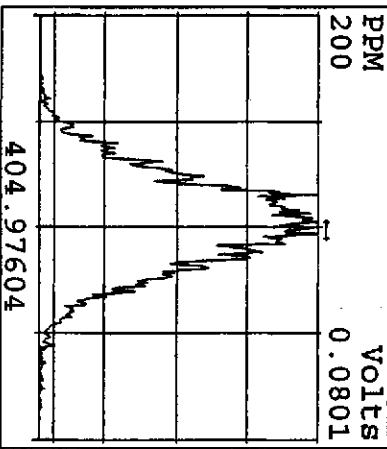
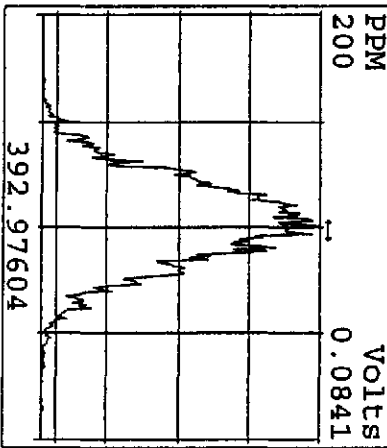
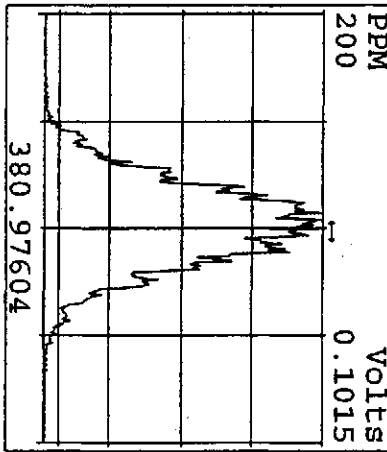
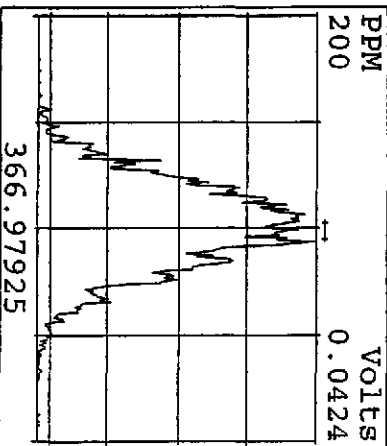
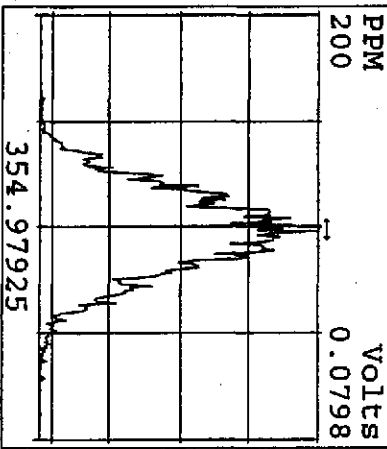
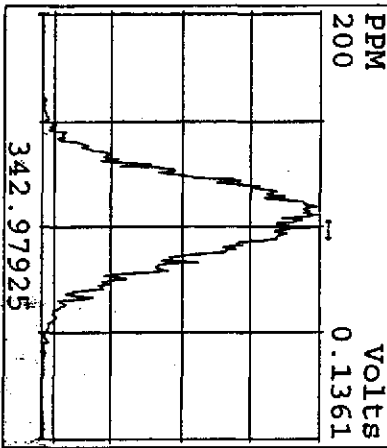
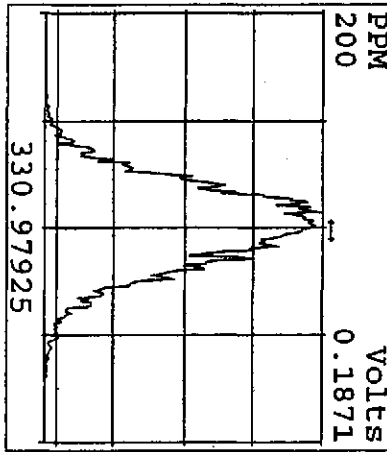
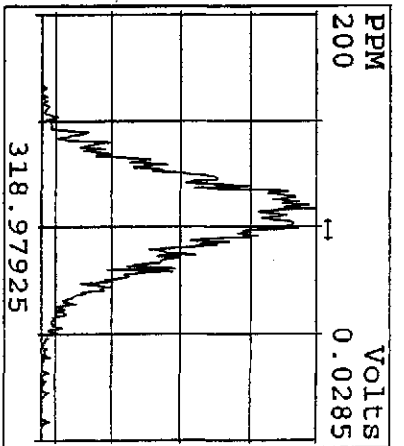
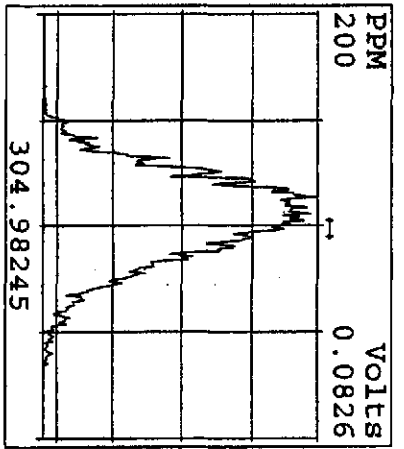
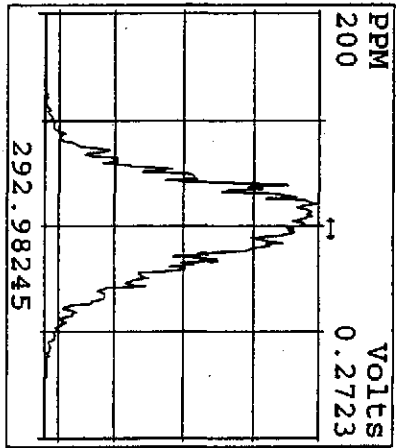
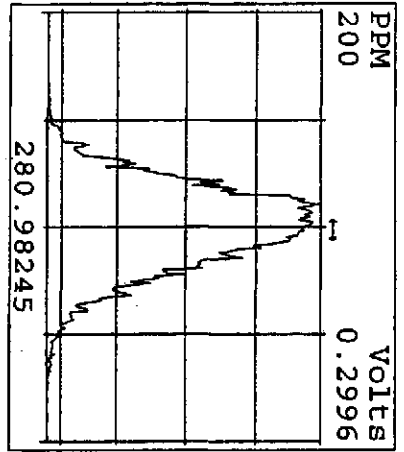




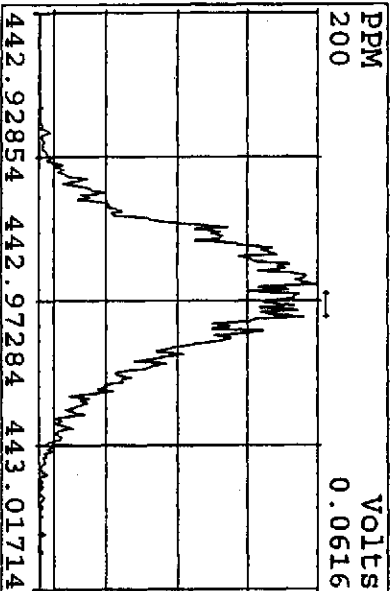
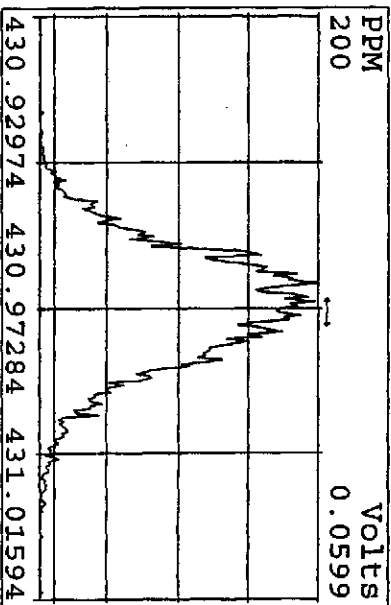
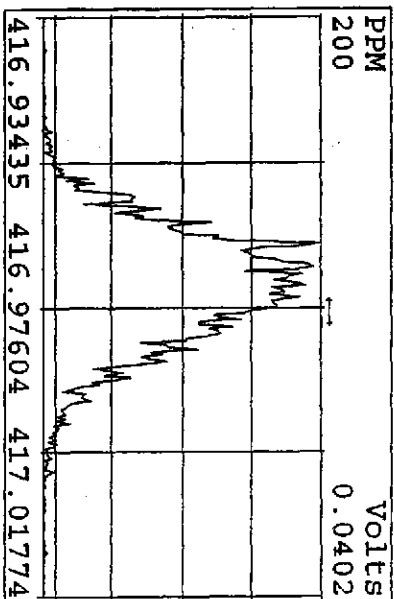
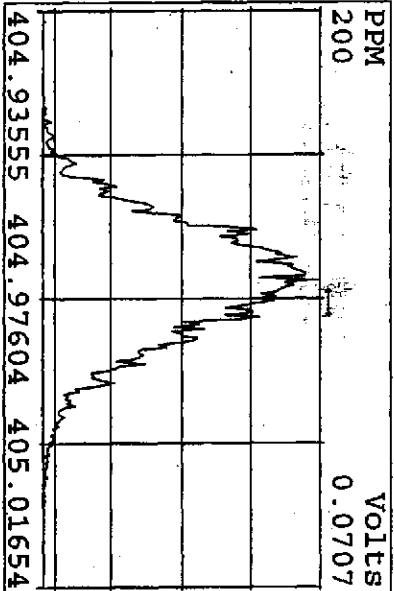
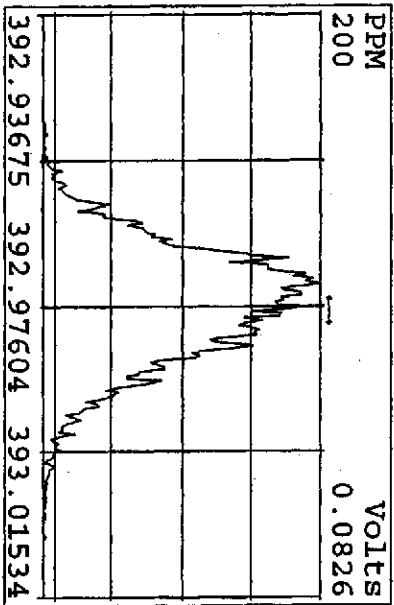
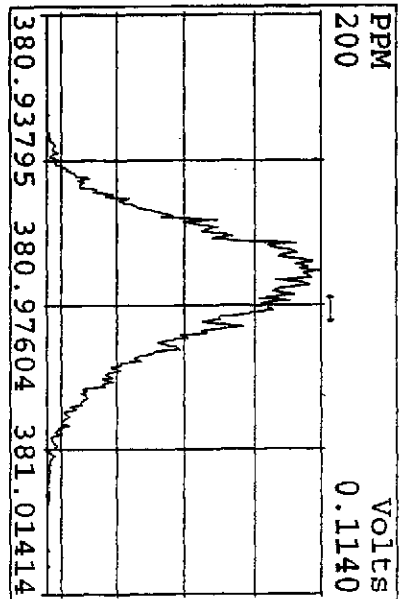
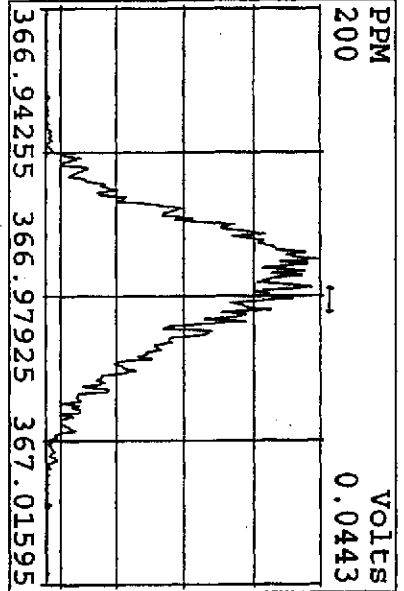
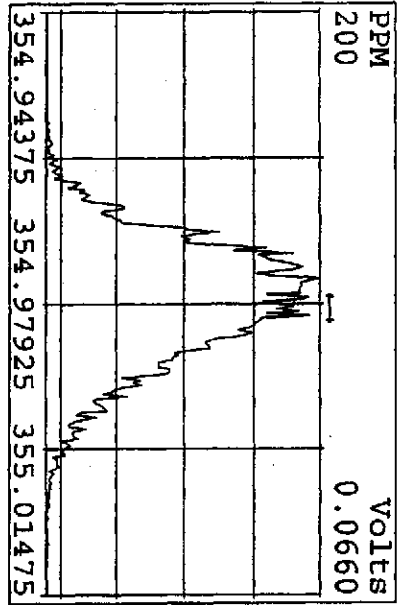
Peak Locate Examination: 23-DEC-2009: 05:15 File: ENDRESS22DE099D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



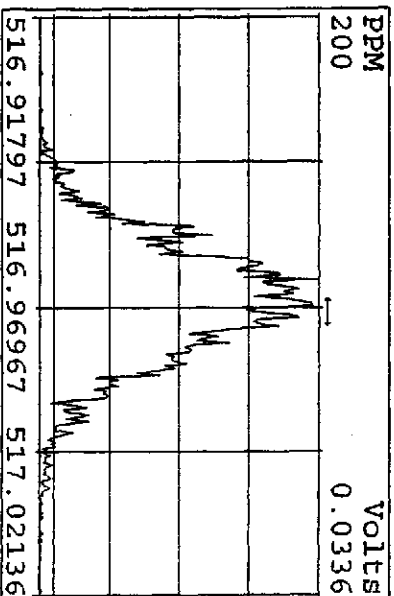
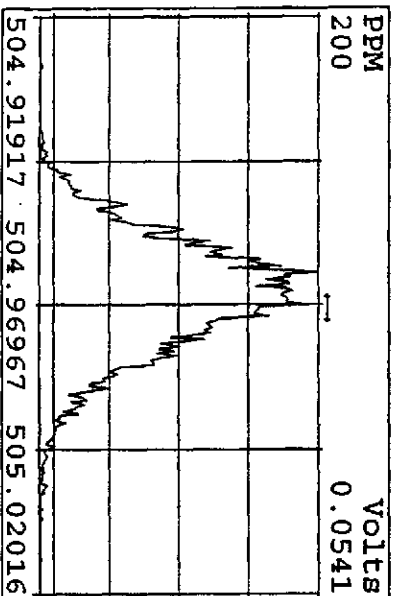
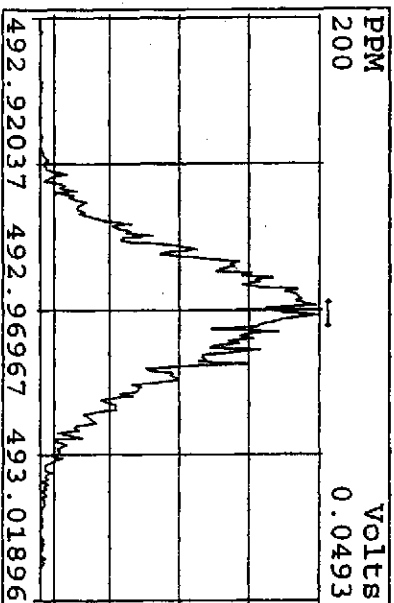
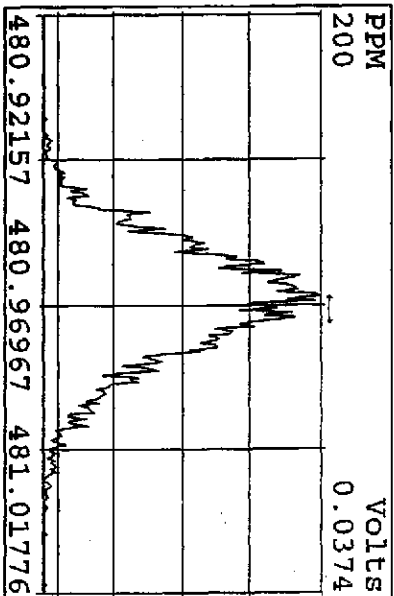
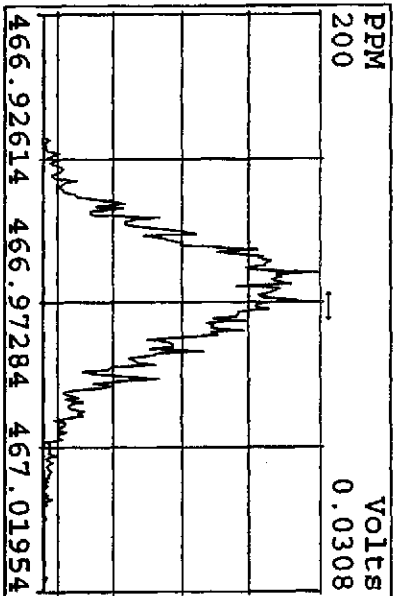
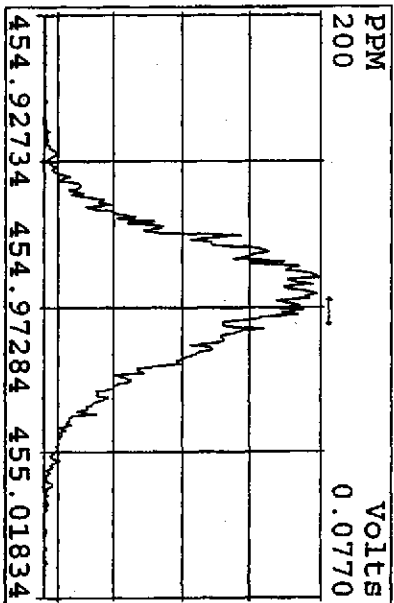
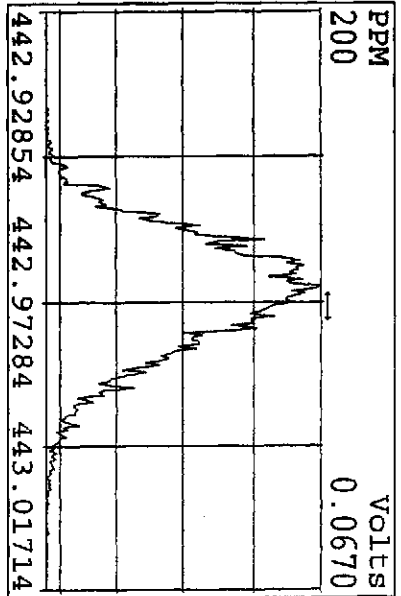
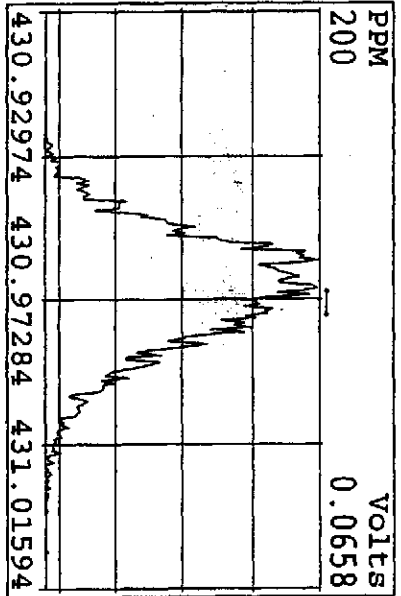
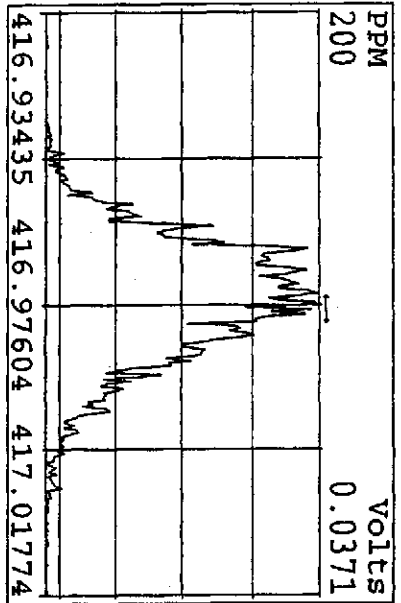
Peak Locate Examination: 23-DEC-2009: 05:17 File: ENDRRES22DE099D5  
 Experiment: 209DB5 Function: 3 Reference: PFK



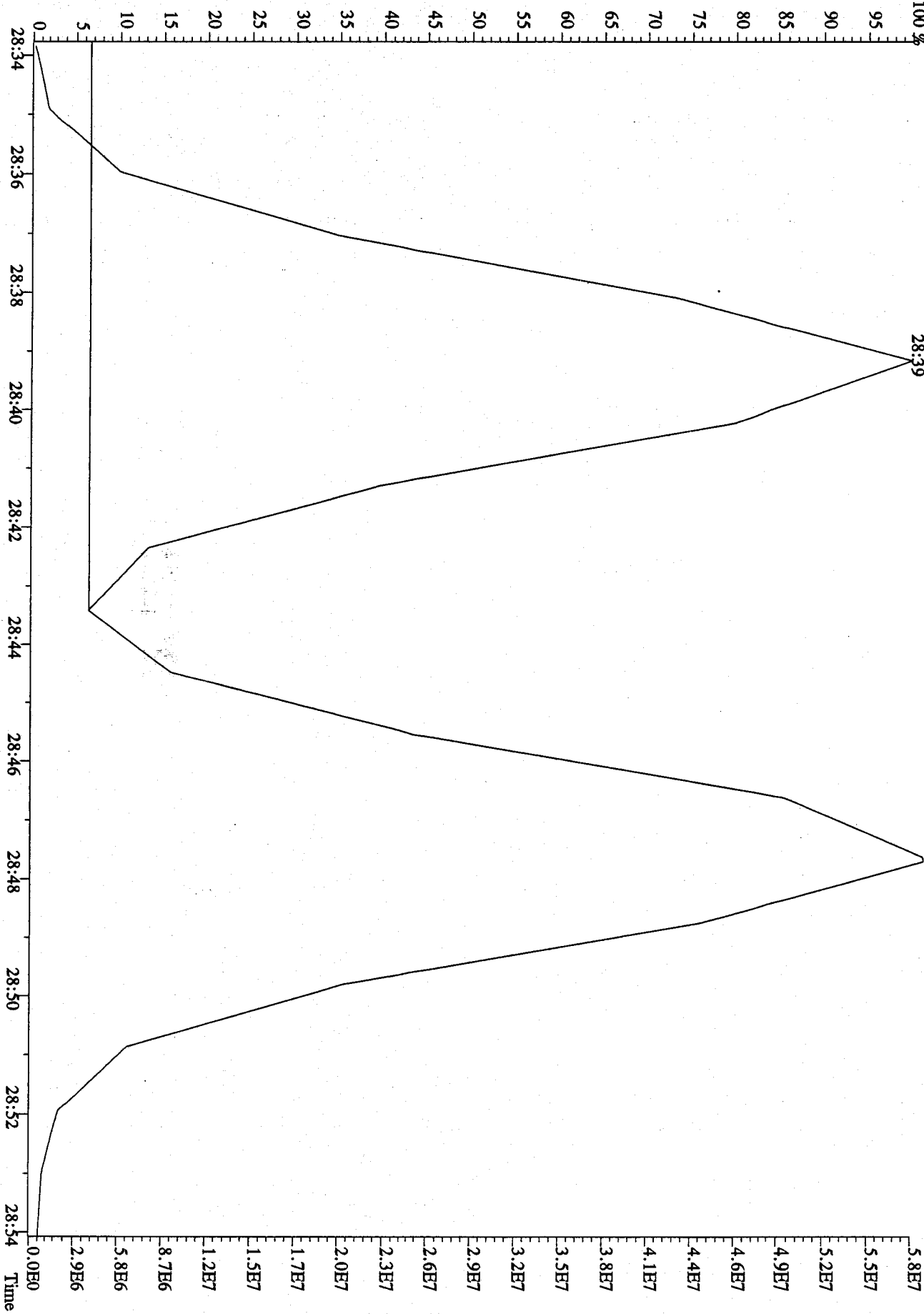
Peak Locate Examination: 23-DEC-2009: 05:17 File: ENDRES22DEF099D5  
 Experiment: 209DB5 Function: 4 Reference: PRK



Peak Locate Examination: 23-DEC-2009: 05:18 File: ENDRSS22DE099D5  
 Experiment: 209DB5 Function: 5 Reference: PRK



File:22DE099D5 #1-596 Acq:22-DEC-2009 11:15:25 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST1222 :CS4 09DXN208 Exp:209DB5  
 325.8804 F:3



ST1216 :CS3 09DXN207 ST1216A :CS2 09DXN206 ST1216B :CS1 09DXN205  
 ST1216C :CS5 09DXN209 ST1216D :CS4 09DXN208

16DE09E9D516DE09E9D516DE09E9D516DE09E9D516DE09E9D516DE09E9D5

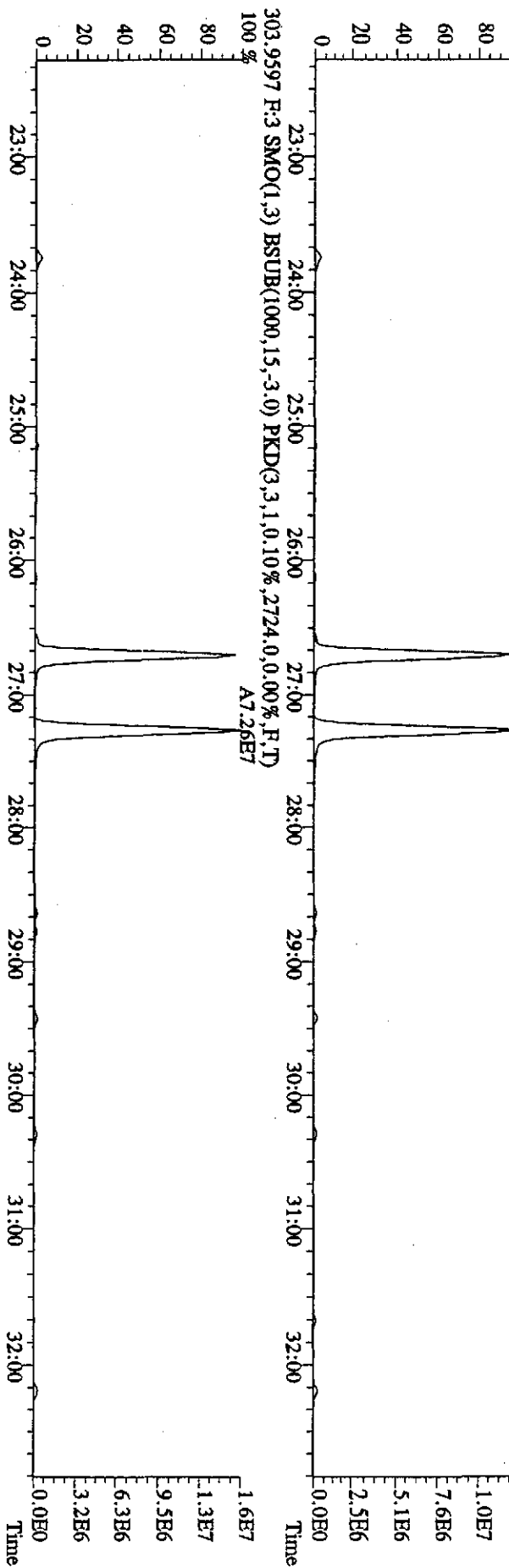
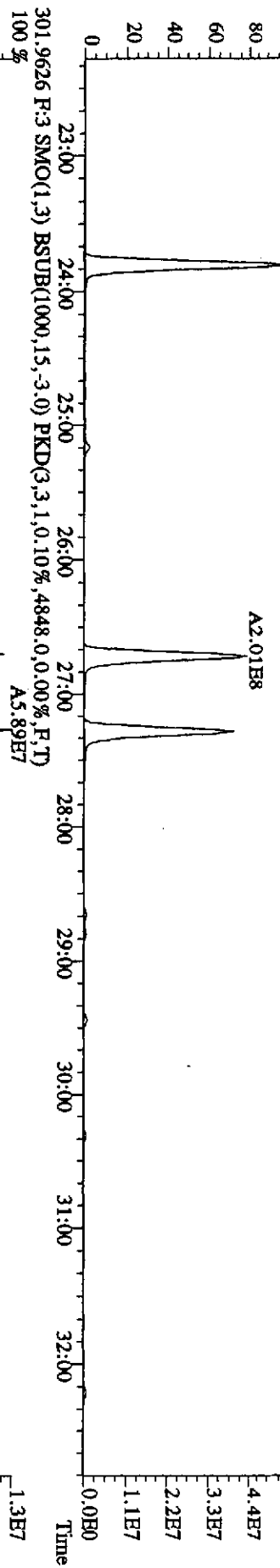
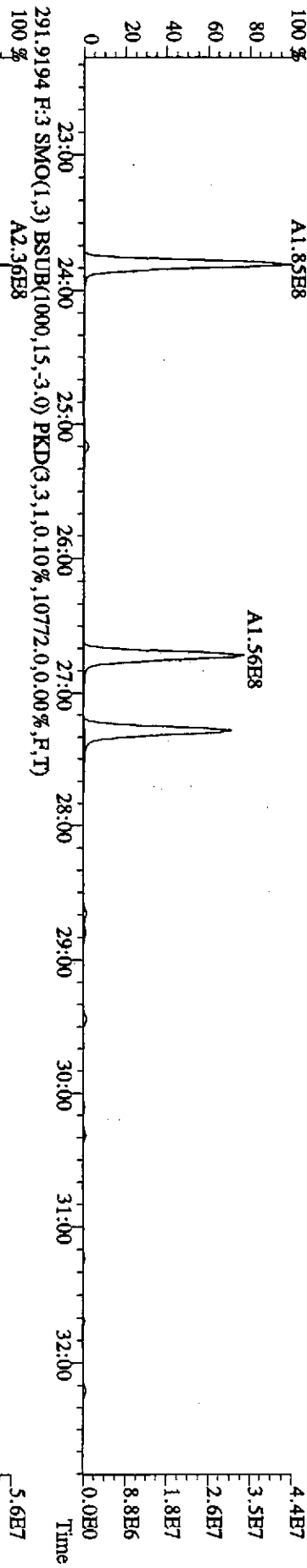
Name Mean S. D. %RSD

S1 RRF1 RRF2 RRF3 RRF4 RRF5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-PecB-101	-	-	- %	-	-	-	-	-
13C-TCB-81	1.328	0.019	1.43 %	1.30	1.32	1.33	1.35	1.34
TCB-81	1.308	0.092	7.05 %	1.33	1.25	1.18	1.38	1.40
13C-TCB-77	1.378	0.043	3.14 %	1.33	1.33	1.41	1.40	1.42
TCB-77	1.153	0.069	5.96 %	1.15	1.09	1.08	1.21	1.23
13C-PecB-123	1.075	0.046	4.31 %	1.14	1.02	1.08	1.09	1.04
PecB-123	1.705	0.107	6.25 %	1.75	1.64	1.55	1.78	1.81
13C-PecB-118	1.104	0.051	4.59 %	1.13	1.05	1.16	1.13	1.05
PecB-118/106	1.776	0.071	3.99 %	1.80	1.66	1.77	1.80	1.85
13C-PecB-114	1.150	0.055	4.77 %	1.23	1.08	1.16	1.16	1.13
PecB-114	1.799	0.098	5.46 %	1.80	1.76	1.65	1.89	1.89
13C-PecB-105	1.103	0.069	6.25 %	1.19	1.02	1.13	1.12	1.06
PecB-105/127	1.618	0.082	5.06 %	1.64	1.56	1.51	1.67	1.71
13C-PecB-126	1.207	0.048	3.98 %	1.25	1.19	1.25	1.21	1.13
PecB-126	1.330	0.061	4.55 %	1.35	1.27	1.27	1.37	1.40
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HXCB-167	1.228	0.072	5.84 %	1.11	1.22	1.24	1.27	1.30
HXCB-167	1.207	0.095	7.86 %	1.27	1.21	1.05	1.23	1.28
13C-HXCB-156	0.973	0.040	4.11 %	0.94	0.94	0.96	0.99	1.04
HXCB-156	1.468	0.117	7.97 %	1.52	1.39	1.30	1.55	1.58
13C-HXCB-157	1.040	0.030	2.84 %	1.02	1.02	1.03	1.05	1.09
HXCB-157	1.479	0.098	6.63 %	1.50	1.42	1.34	1.57	1.57
13C-HXCB-169	1.158	0.038	3.29 %	1.15	1.13	1.13	1.15	1.22
HXCB-169	0.978	0.066	6.75 %	0.99	0.94	0.89	1.03	1.05
13C-HpCB-180	0.811	0.030	3.74 %	0.86	0.81	0.79	0.80	0.79
HpCB-180	1.337	0.060	4.49 %	1.30	1.28	1.43	1.32	1.35
13C-HpCB-170	0.658	0.022	3.33 %	0.69	0.66	0.63	0.66	0.65
HpCB-170/190	1.617	0.055	3.41 %	1.61	1.55	1.59	1.67	1.68

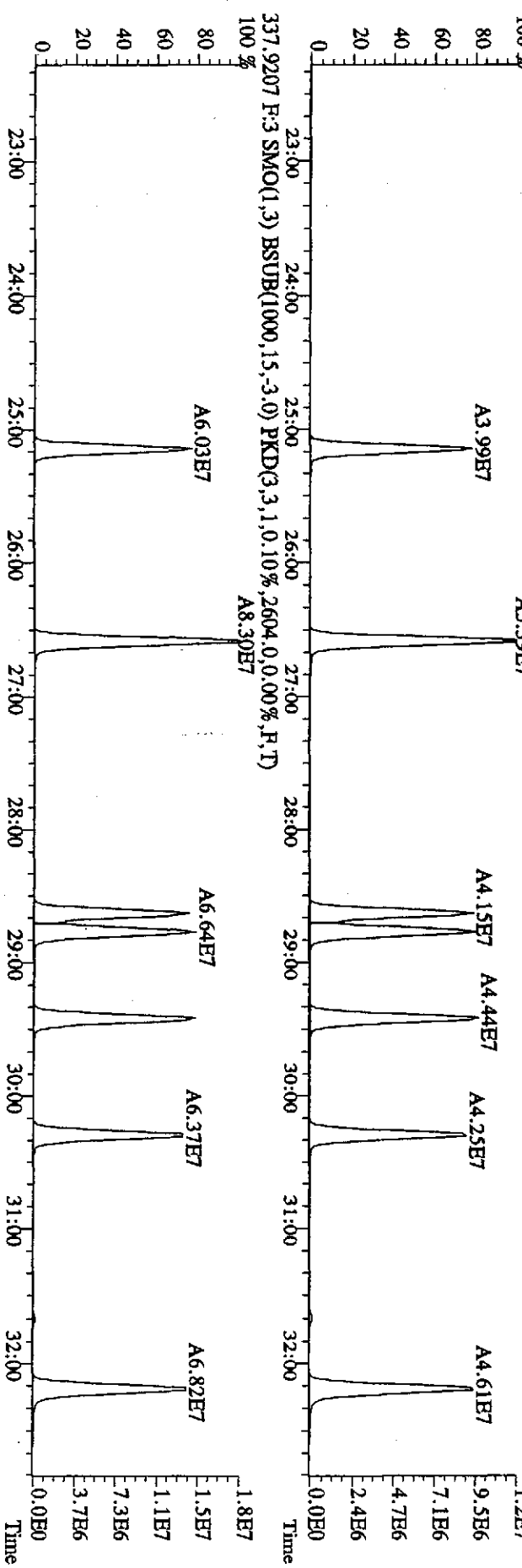
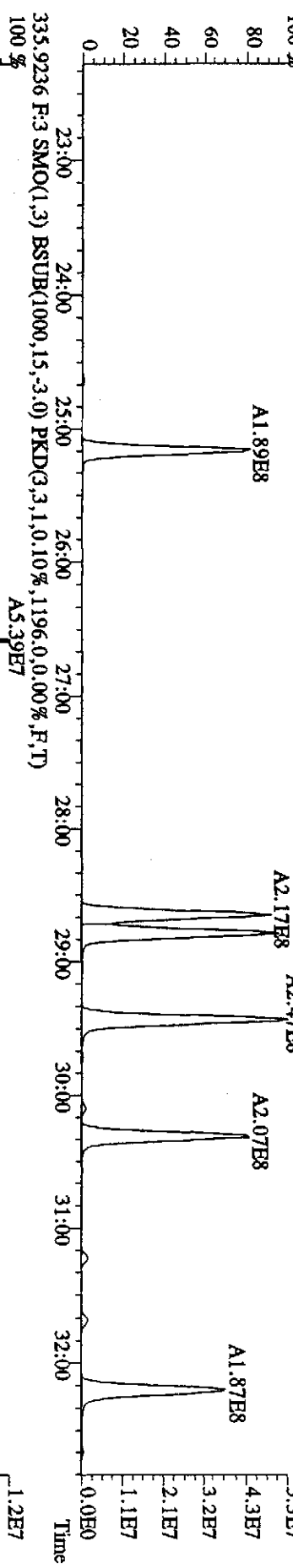
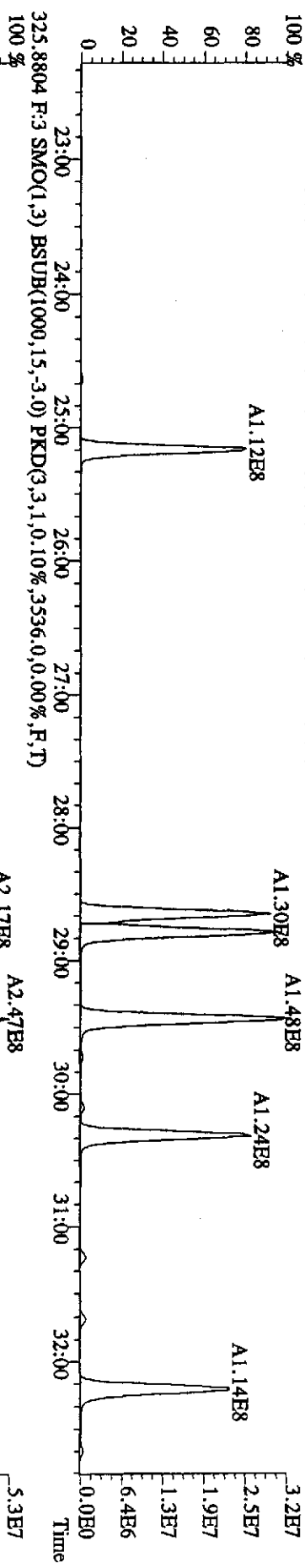
13C-HpCB-189	0.909	0.043	4.74 *	0.98	0.92	0.89	0.89	0.86
HpCB-189	1.227	0.049	3.96 *	1.21	1.20	1.17	1.27	1.29
13C-DeCB-209	0.692	0.029	4.12 *	0.72	0.72	0.68	0.69	0.66
DeCB-209	1.533	0.077	4.99 *	1.56	1.52	1.41	1.59	1.59
13C-PeCB-111	1.278	0.054	4.26 *	1.25	1.36	1.30	1.21	1.28

File: 22DB099D5 #1-596 Acq: 22-DEC-2009 11:15:25 GC HI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text: ST1222 :CS4 09DXN208 Exp: 209DB5  
 289.9724 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,9444,0,0,00%,F,T)  
 100% A1.85E8





File:22DB099D5 #1-596 Acq:22-DEC-2009 11:15:25 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST1222 :CS4 09DXN208 Exp:209DB5  
 323.8834 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3076,0,0,00%,F,T)

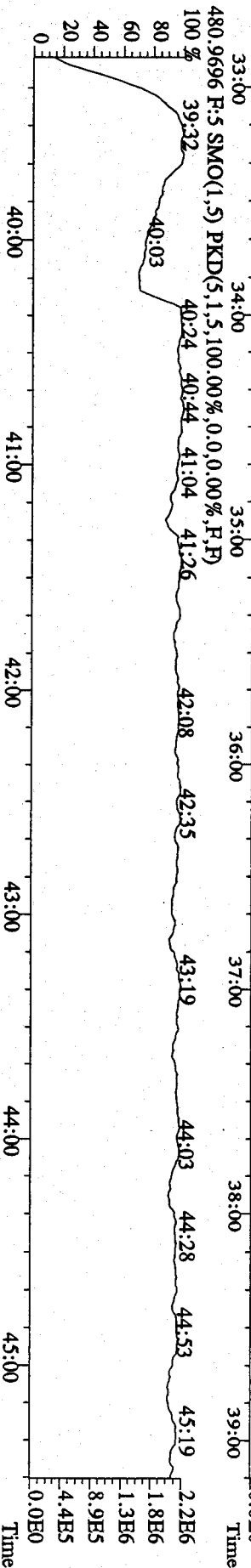
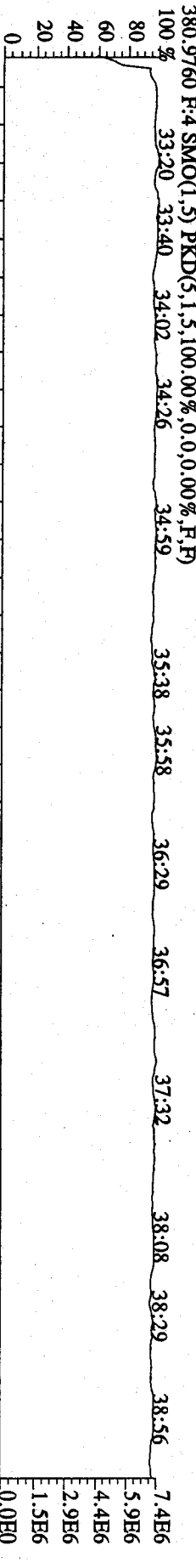
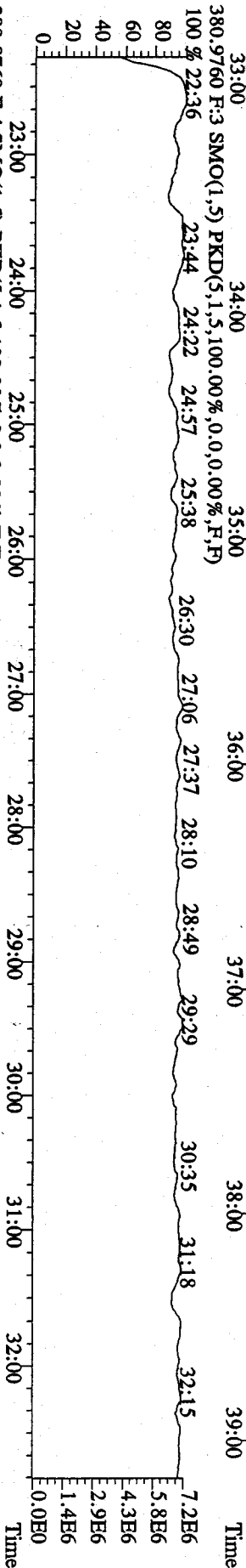
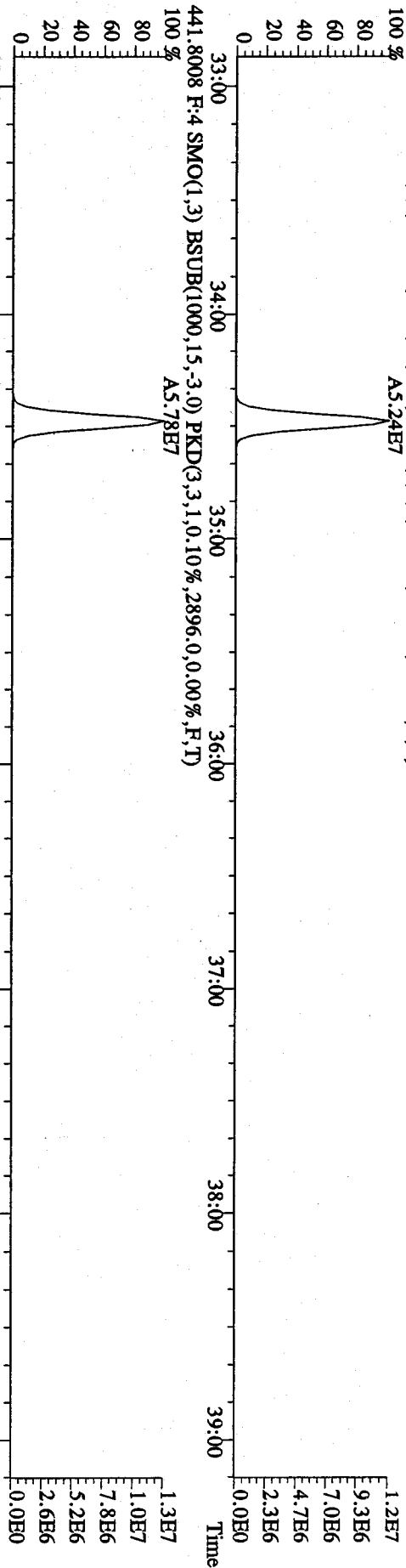


File: 22DDE099D5 #1-385 Acq: 22-DEC-2009 11:15:25 GC EI + Voltage SIR Autospec-UltimaB

Sample#1 Text: ST1222 :CS4 09DXN208 Exp: 209DB5

439.8038 F: 4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,2096,0.0,0.00%,F,T)

100% A5.24E7

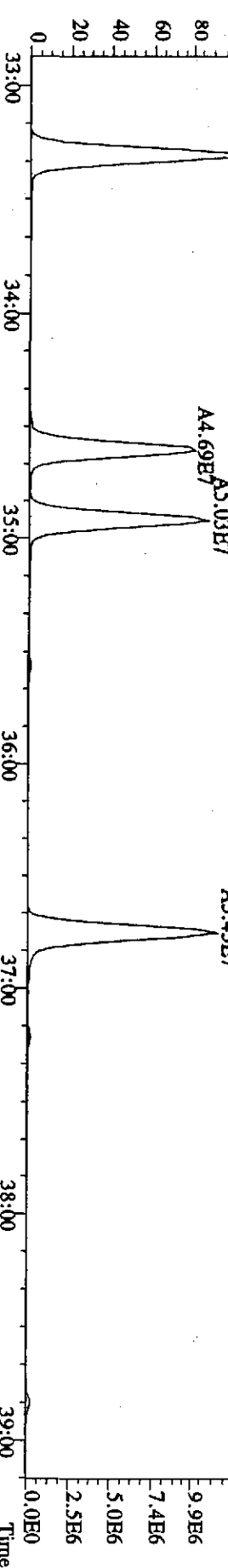
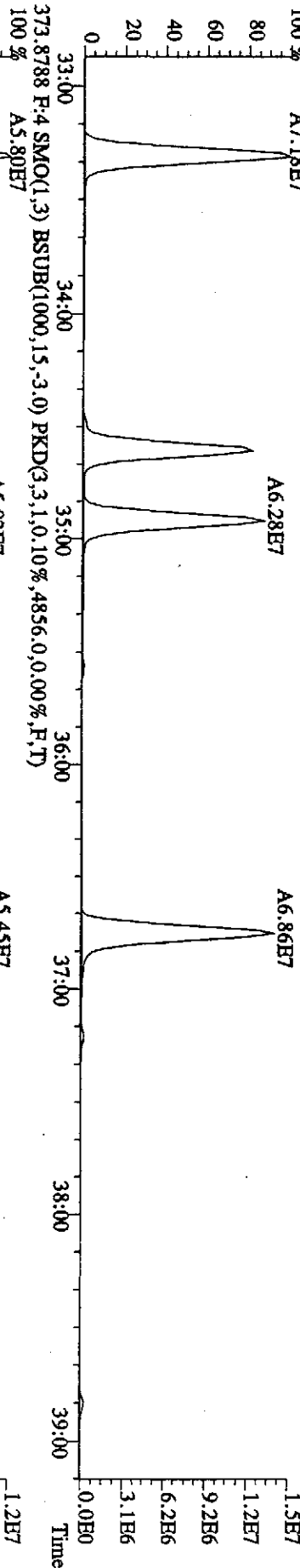
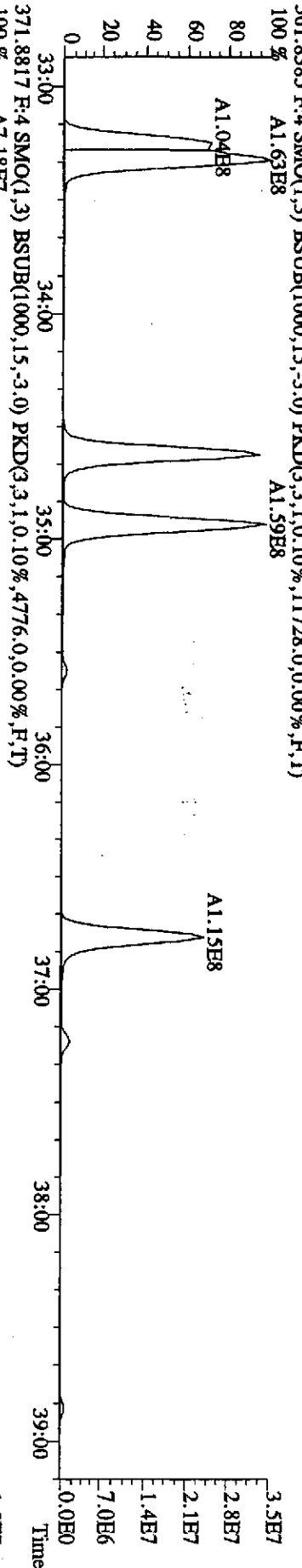
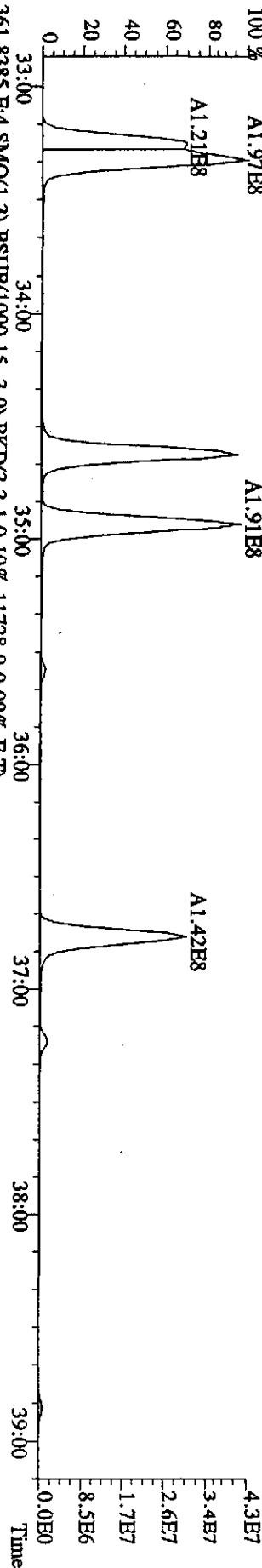


File:22DB099D5 #1-385 Acq:22-DEC-2009 11:15:25 GC EI + Voltage SIR Autospec-UltimaE

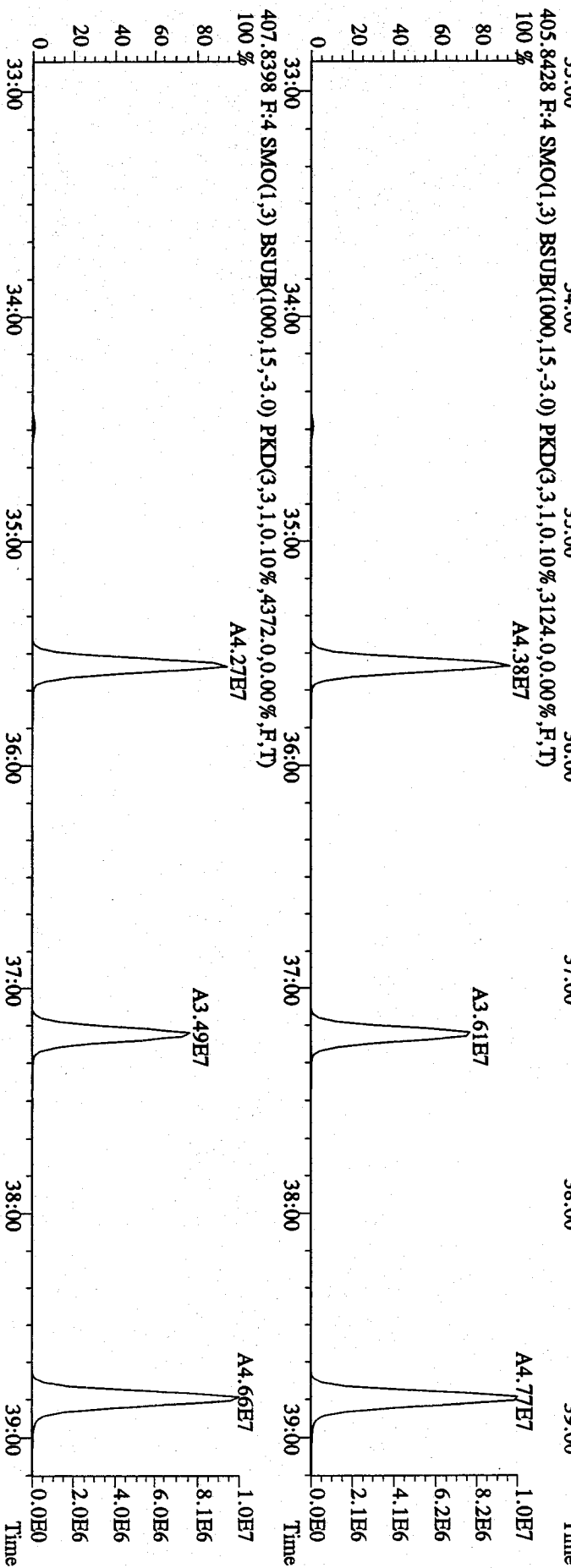
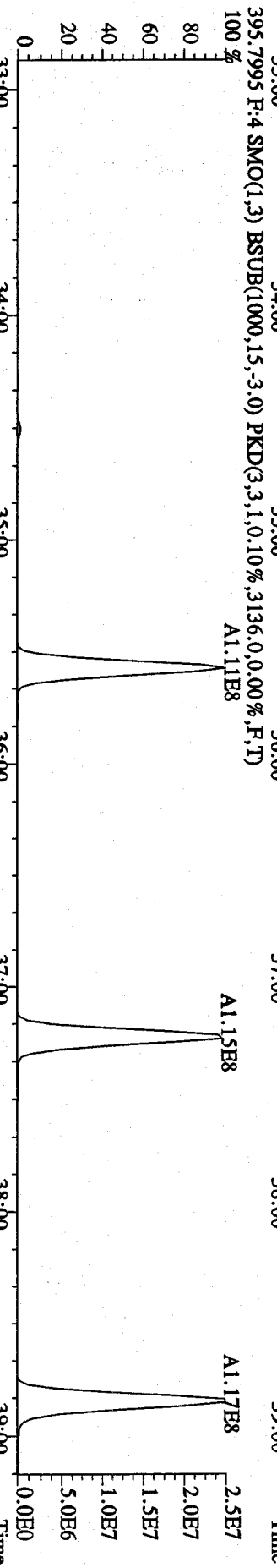
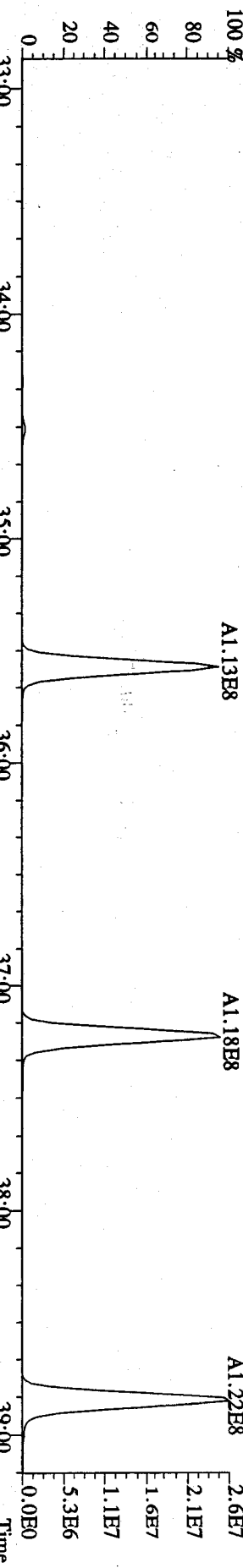
Sample#1 Text:ST1222 :CS4 09DXN208

Exp:209DB5

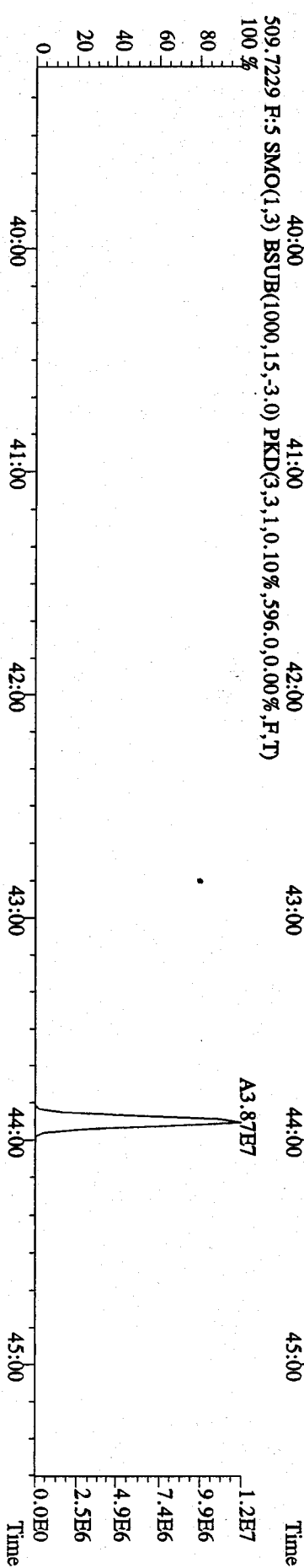
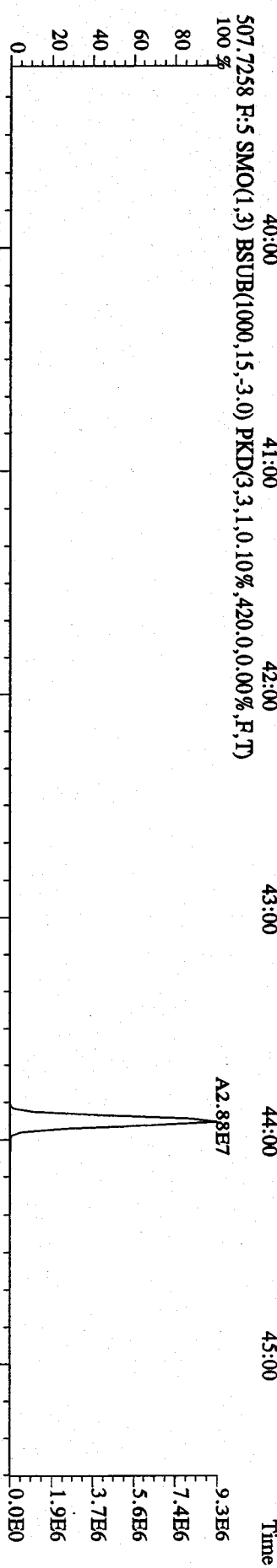
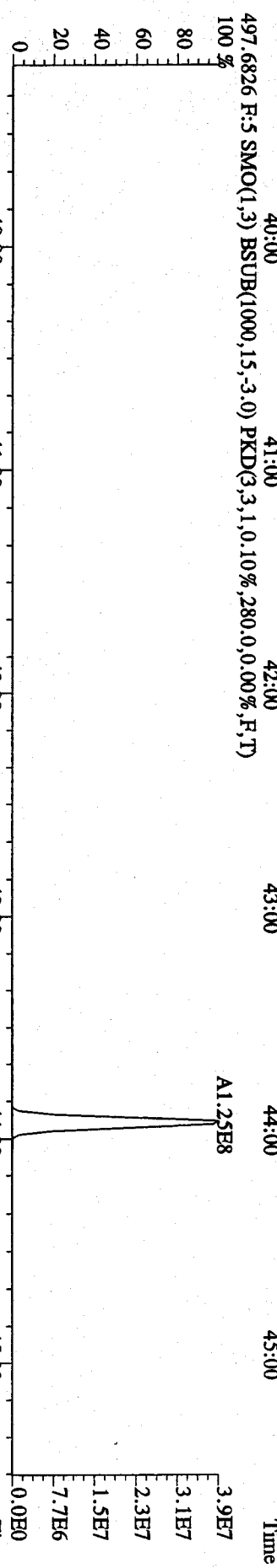
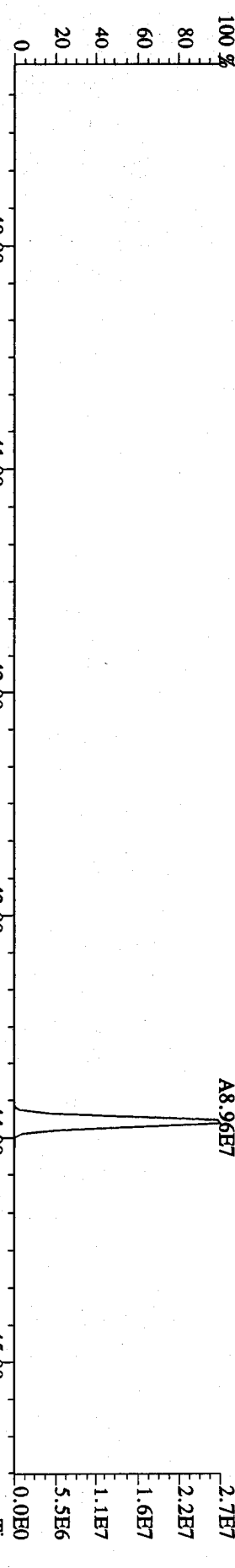
359.8415 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,16648,0,0,00%,F,T)



Sample#1 Text:ST1222 :CS4 09DXN208 Exp:209DB5



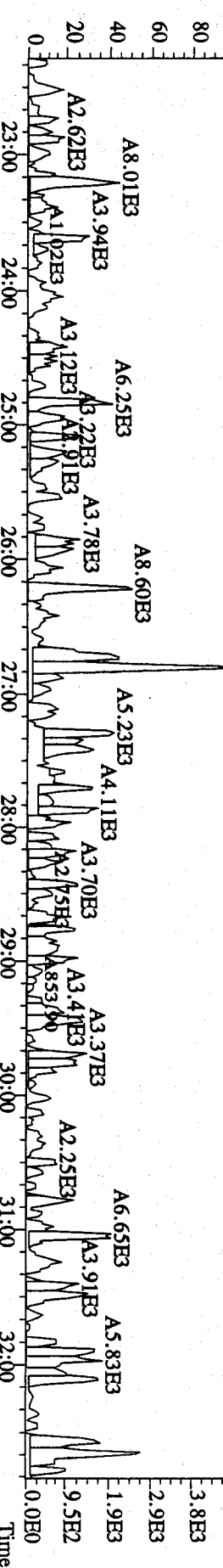
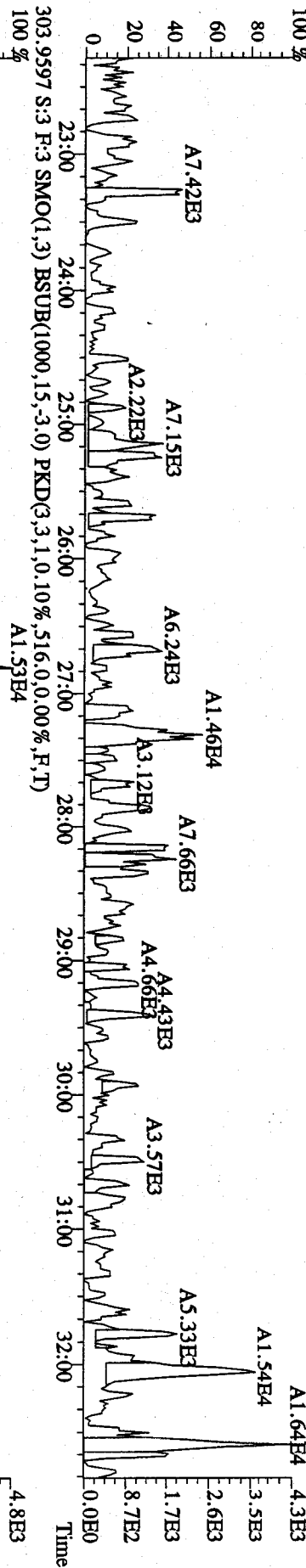
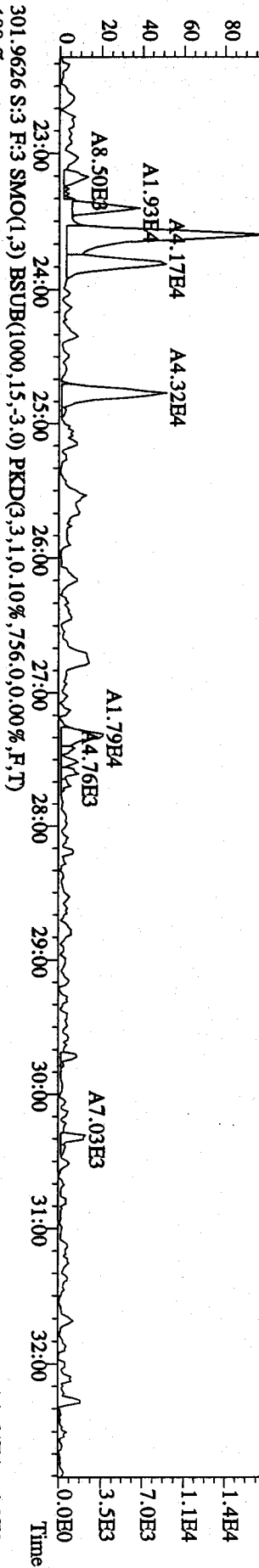
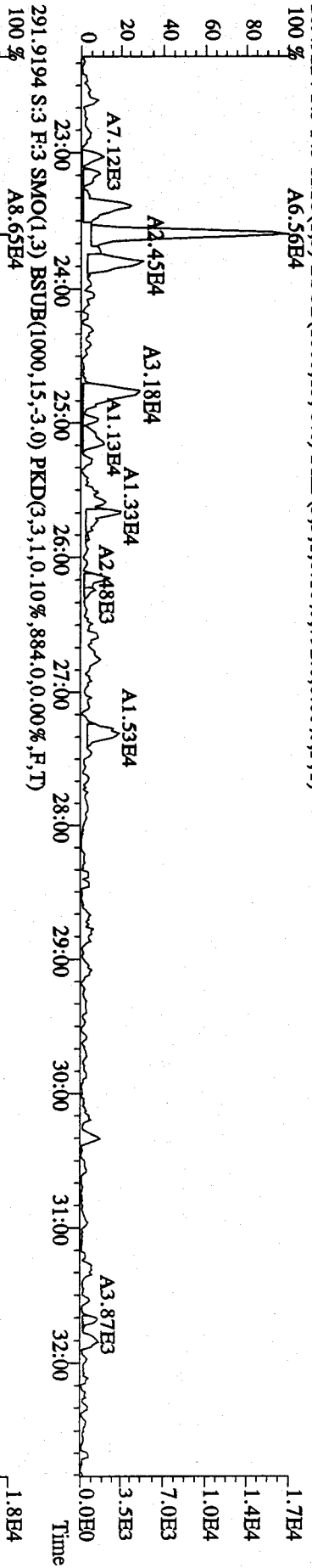
File:22DE099D5 #1-420 Acq:22-DEC-2009 11:15:25 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#1 Text:ST1222 :CS4 09DXN208 Exp:209DB5  
495.6856 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,240.0,0,0,00%,F,T)



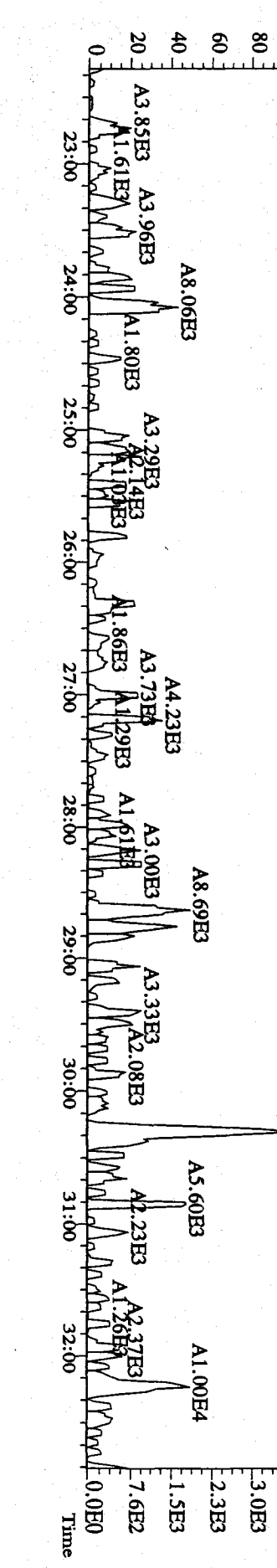
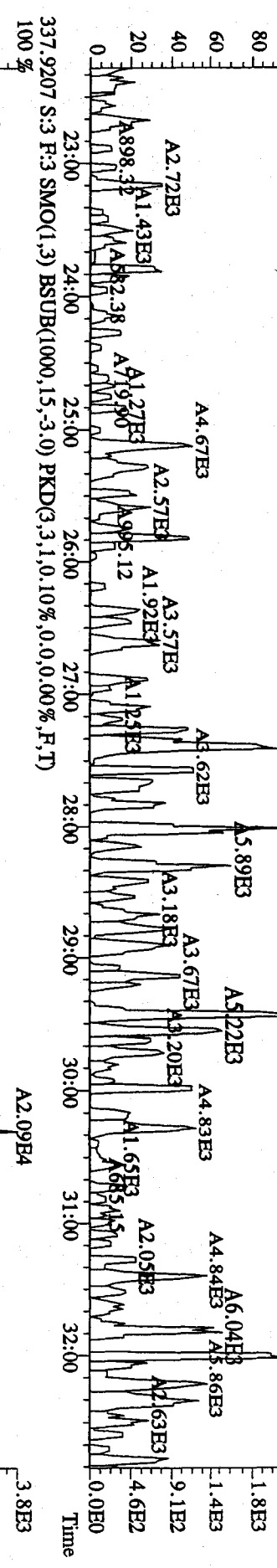
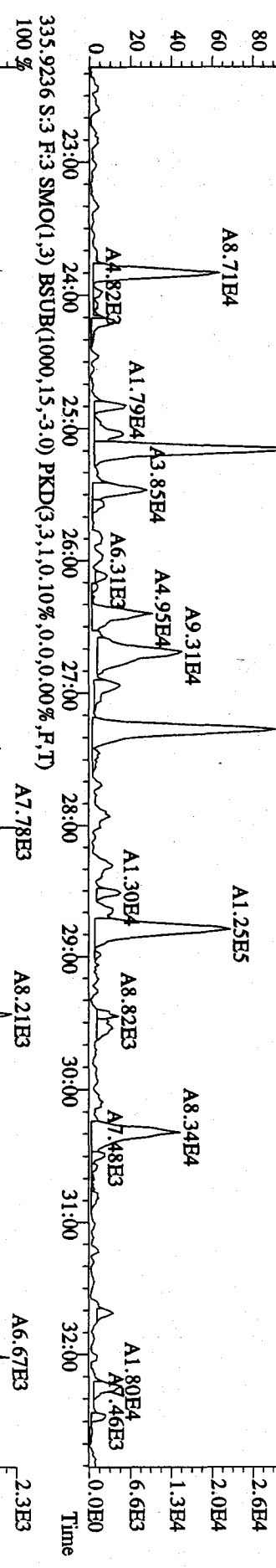
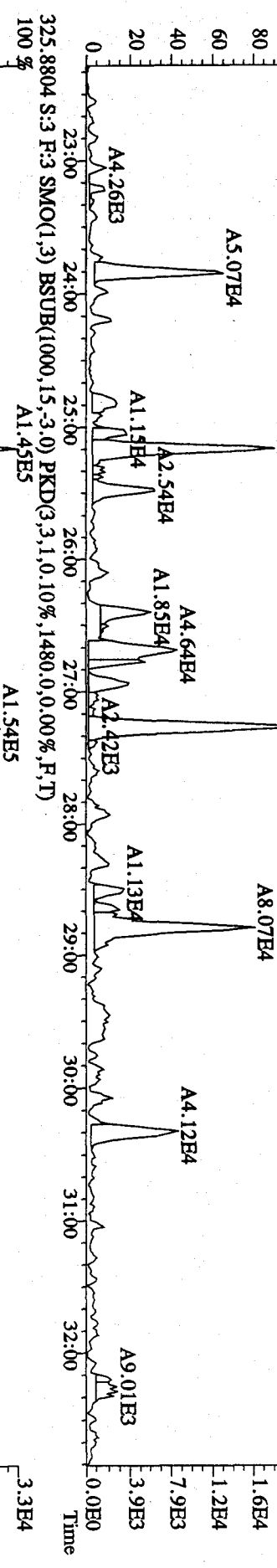
File:22DE099D5 #1-596 Acq:22-DEC-2009 13:08:47 GC EI+ Voltage SIR Autospec-UltimaB

Sample#3 Text:SB1222 Solvent Blank C-12 Exp:209DB5

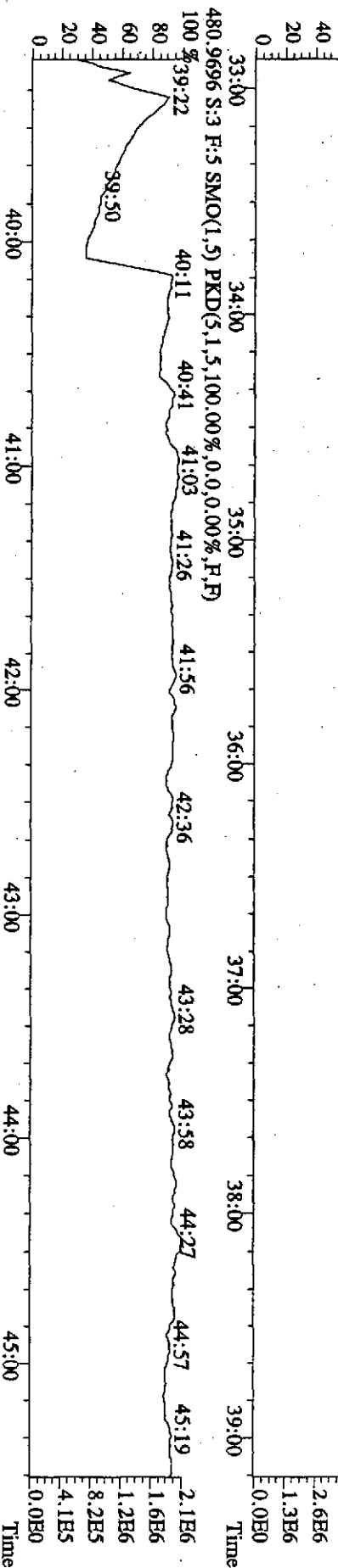
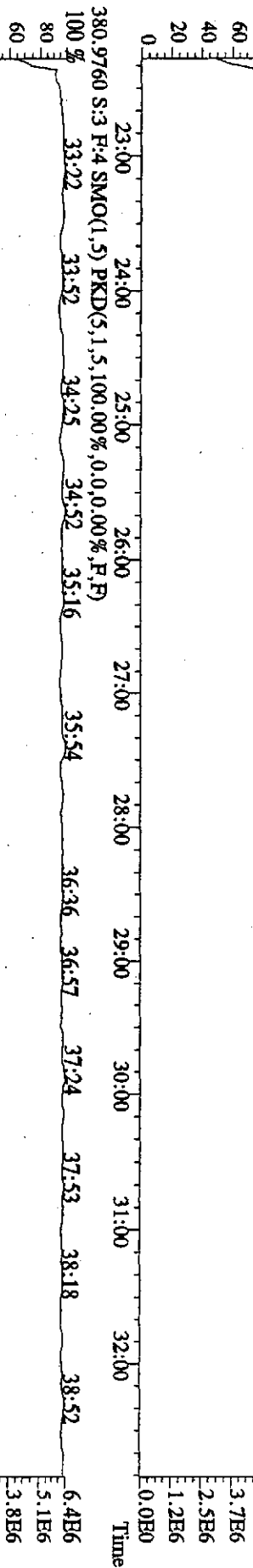
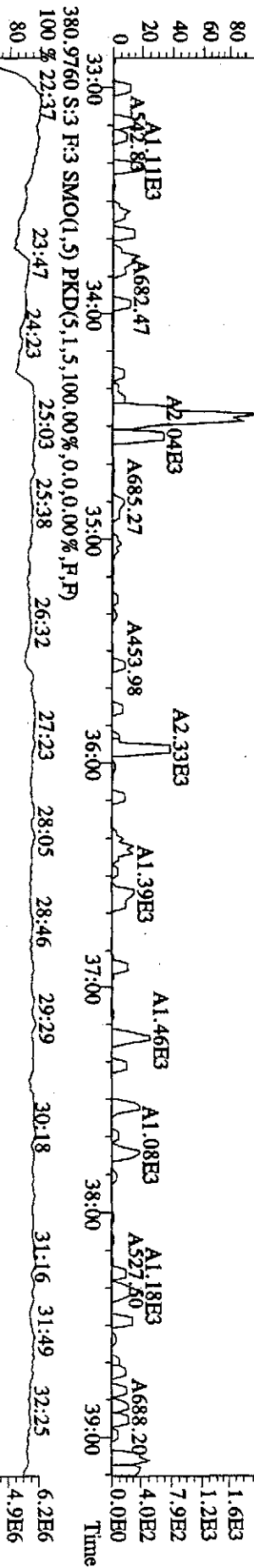
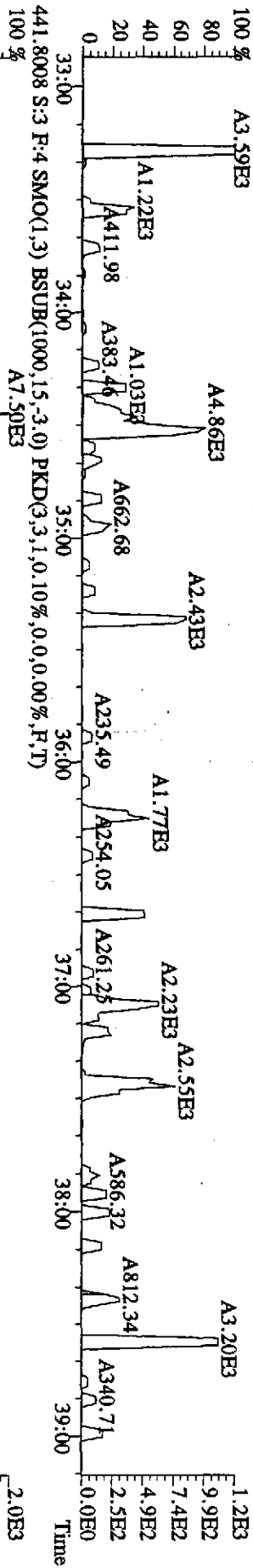
289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,792.0,0.00%,F,T)



File: 22DDE099D5 #1-596 Acq: 22-DEC-2009 13:08:47 GC HI + Voltage SIR Autospec-UltimaB  
 Sample#3 Text: SB1222 : Solvent Blank C-12 Exp: 209DB5  
 323.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1084,0,0,00%,F,T)



Sample#3 Text:SB1222 :Solvent Blank C-12 Exp:209DB5  
 439.8038 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,0.0,0.00%,F,T)

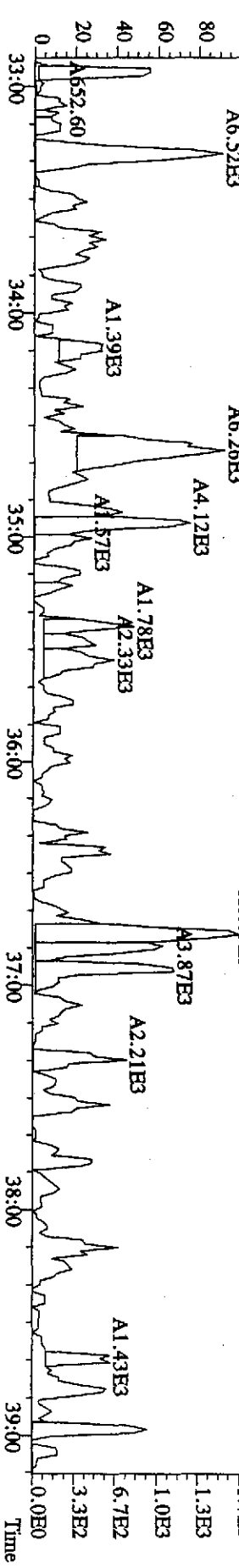
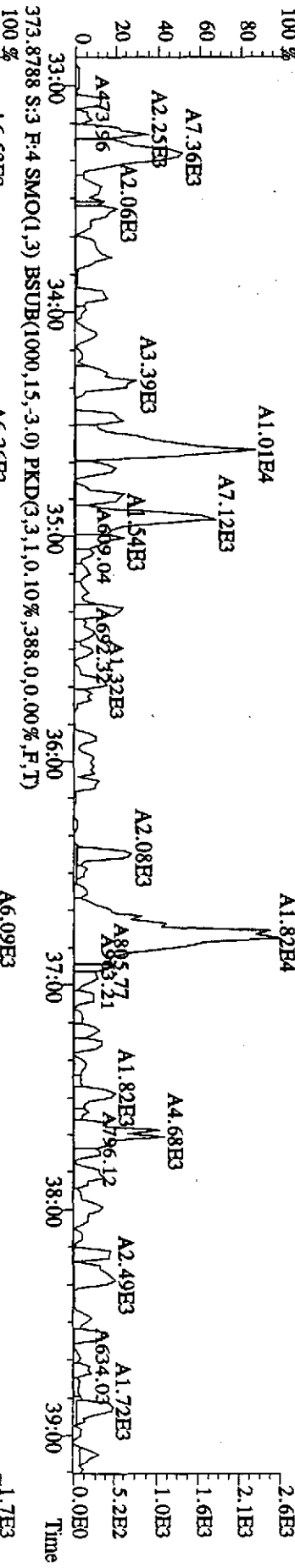
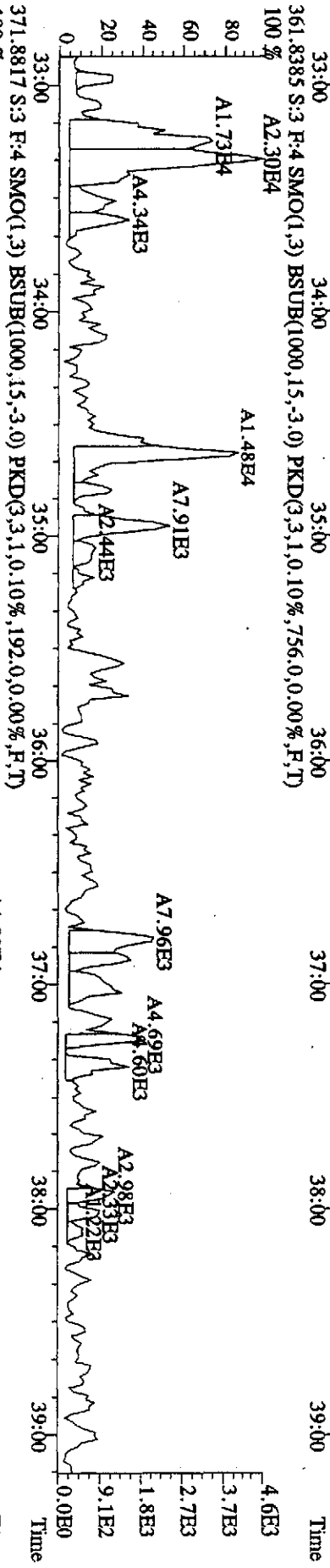
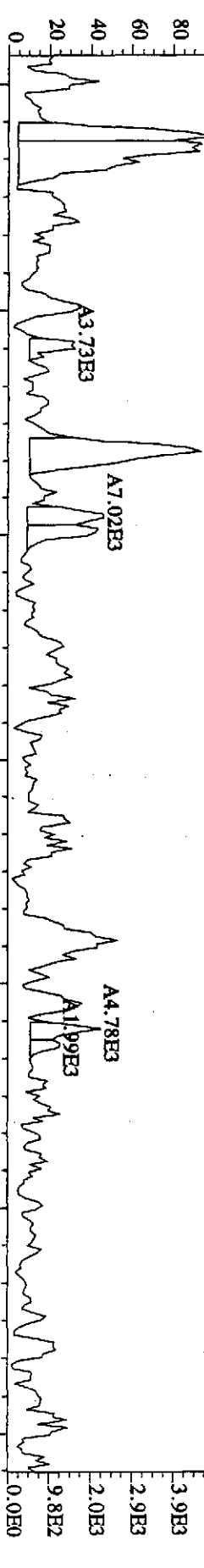




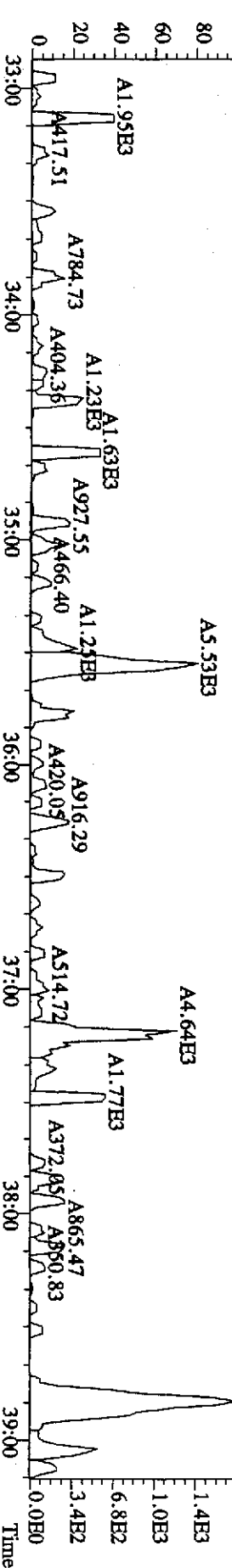
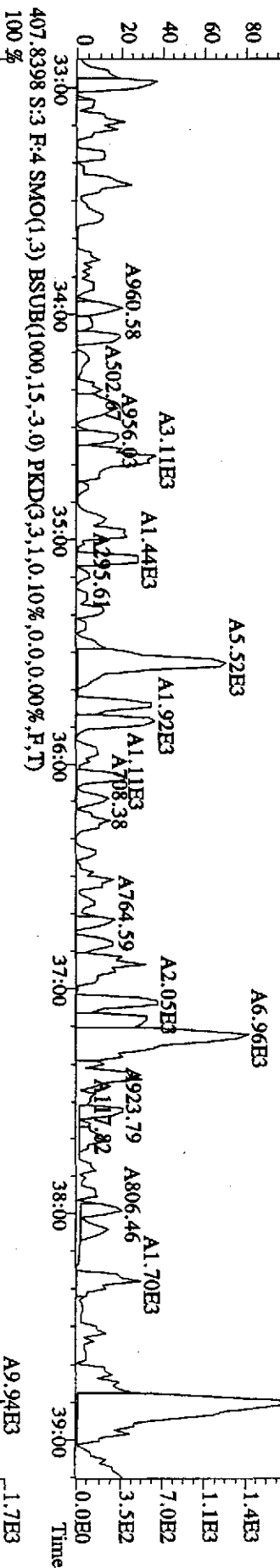
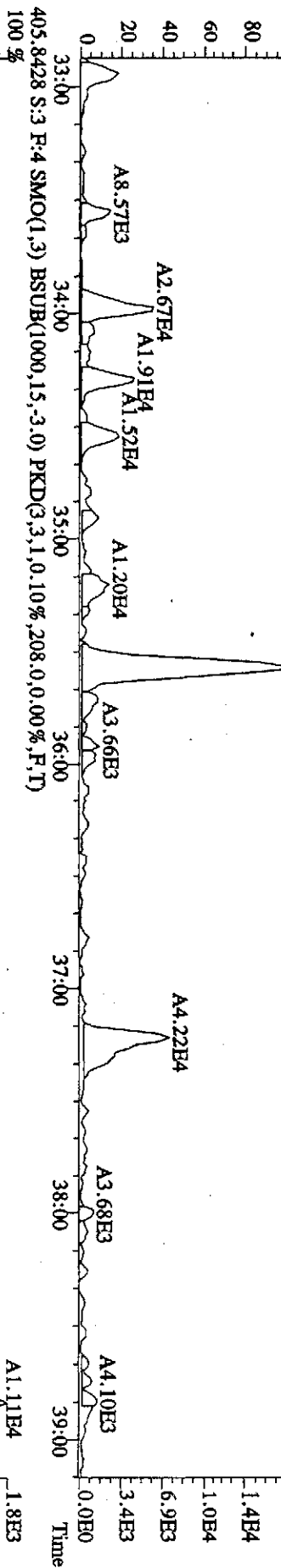
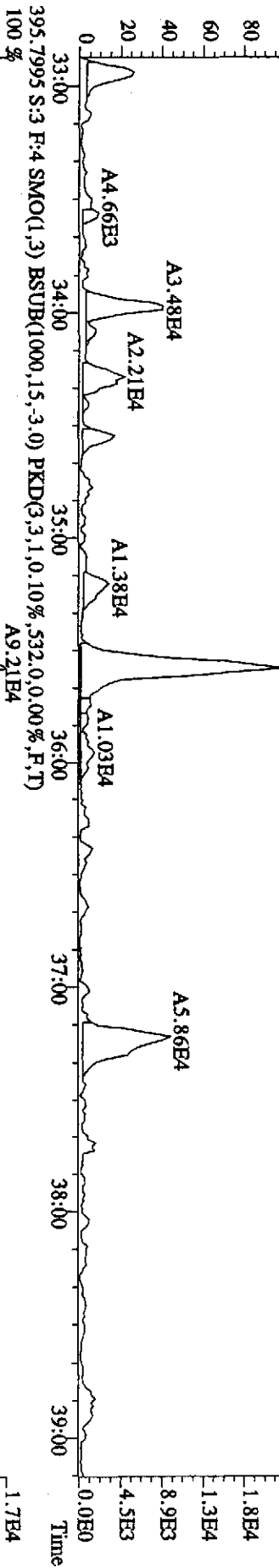
File: 22DDE099D5 #1-385 Acq: 22-DHC-2009 13:08:47 GC HI + Voltage SIR Autospec-UltimaB

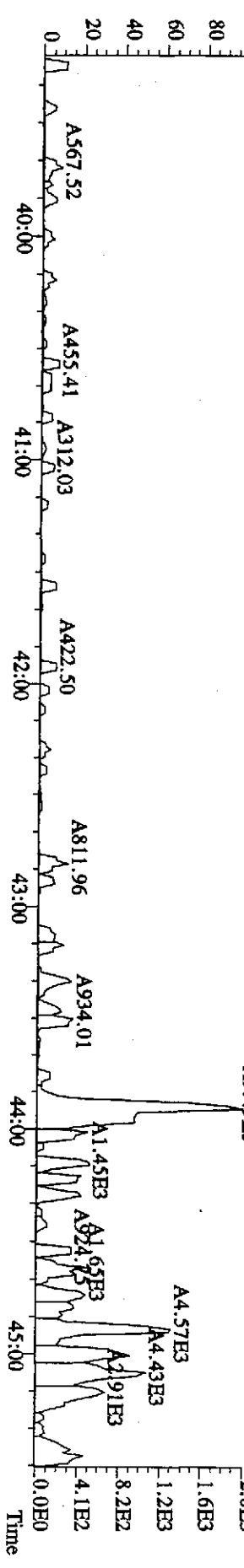
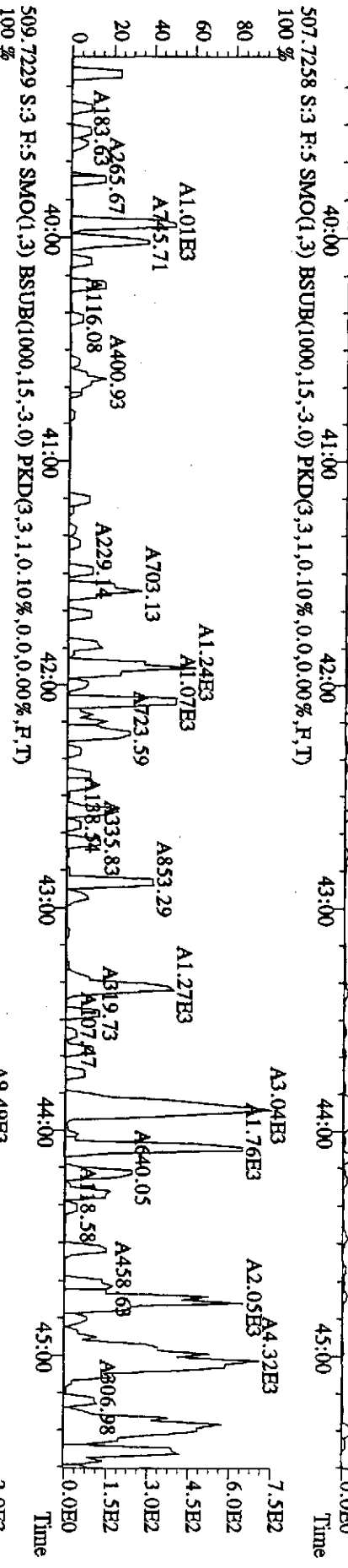
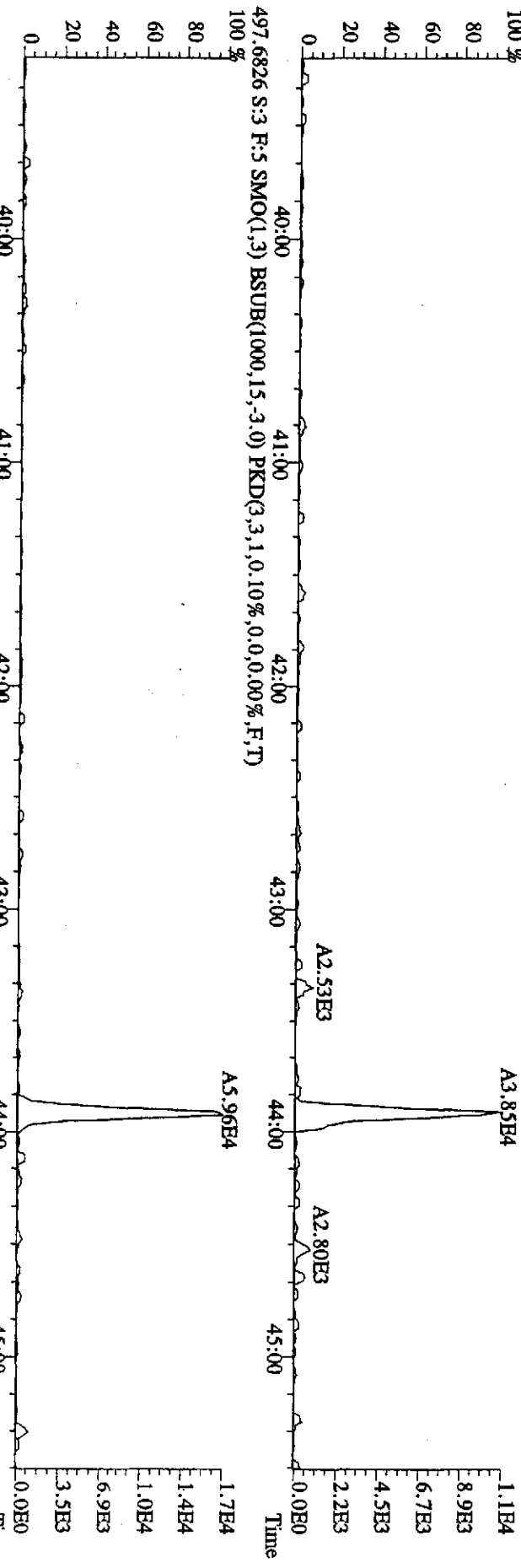
Sample#3 Text: SB1222 ; Solvent Blank C-12 Exp: 209DB5

359.8415 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,1,0,10%,928,0,0,00%,F,T)



File:22DB099D5 #1-385 Acq:22-DEC-2009 13:08:47 GC HI + Voltage SIR Autospec-UltimaE  
 Sample#3 Text:SB1222 :Solvent Blank C-12 Exp:209DB5  
 393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,836.0,0.00%,F,T)  
 A1.13E5





Method ID 1668M (Short List + Deca)

Associated ICAL 1668MSLDEC121609905

Column ID DB5

Instrument ID 905

STD ID ST1223

STD Solution 09DXN208

Analyzed by M.G., S.M.A.

Date Analyzed 12/23/09

Std. Pkg. By M.G.

Date Std. Pkg. Assembled 12/28/09

Std. Pkg. Reviewed By MAW

Date Std. Pkg. Reviewed 12/29/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley $\leq$ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* **Method 1668A (PCBs):**  $\pm 30\%$  from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and  $\pm 50\%$  for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the  $\pm 30\%$  limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have  $\pm 40\%$  limit.

**Method 1614 (DBDs/DBFs):**  $\pm 30\%$  from curve RRFs for native analytes and  $\pm 50\%$  from curve RRFs for labeled compounds (Note: BDE-209 is  $+200\%$  to  $-50\%$ , 13C-BDE-209 is  $+200\%$  to  $-75\%$  and 13C-BDE-139 is  $\pm 30\%$ ).

\*\* **Method 1668A (PCBs):** resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

**Method 1614 (DBDs/DBFs):** a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST1223 File text: ST1223 :CS4 09DXN208  
 Run #6 Filename 23DE099D5 S: 1 I: 1  
 Acquired: 23-DEC-09 05:56:26 Processed: 23-DEC-09 20:03:39  
 Run: 23DE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC1216099D5 Results: 23DE099D51668MSLDEC

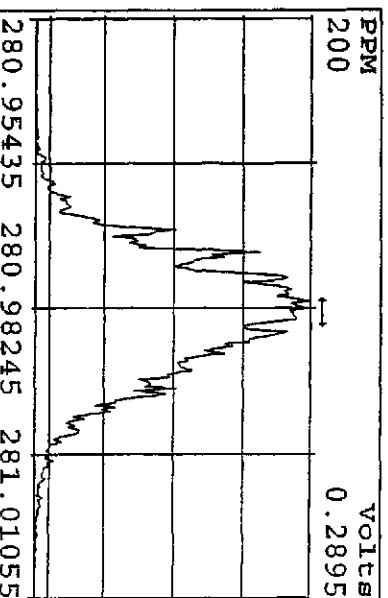
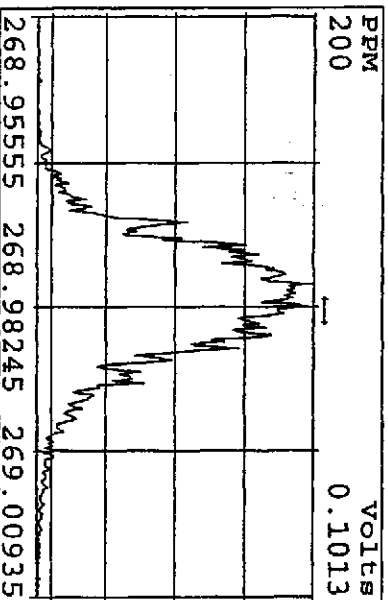
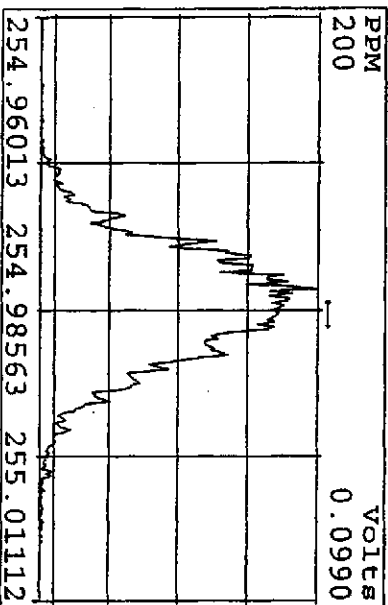
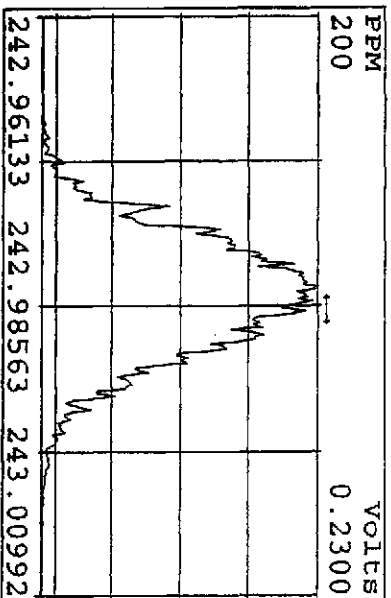
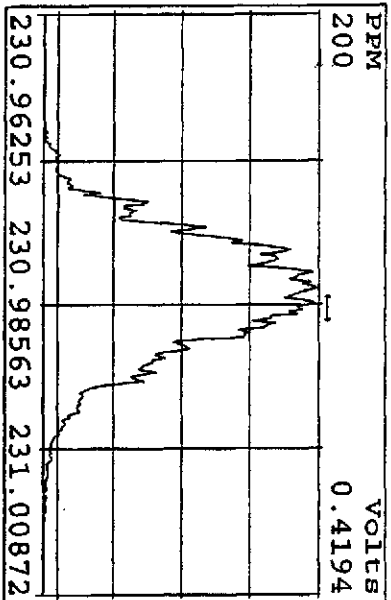
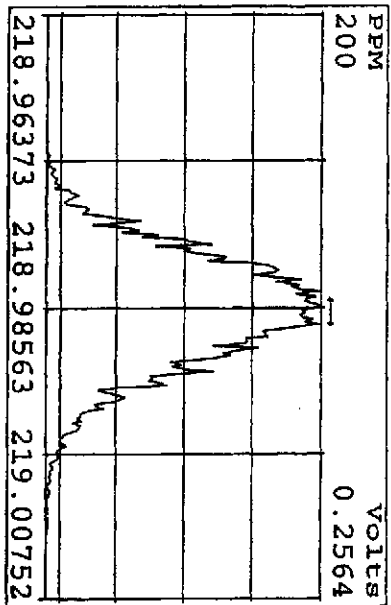
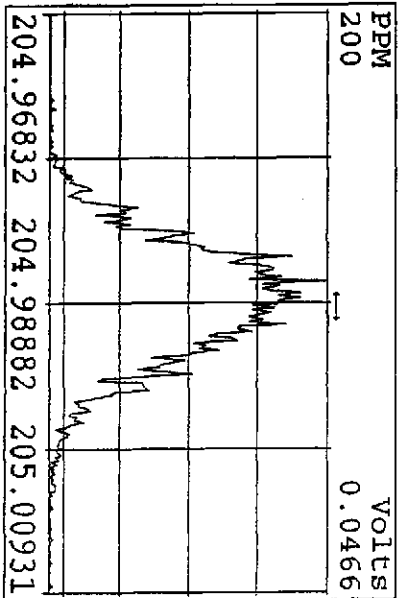
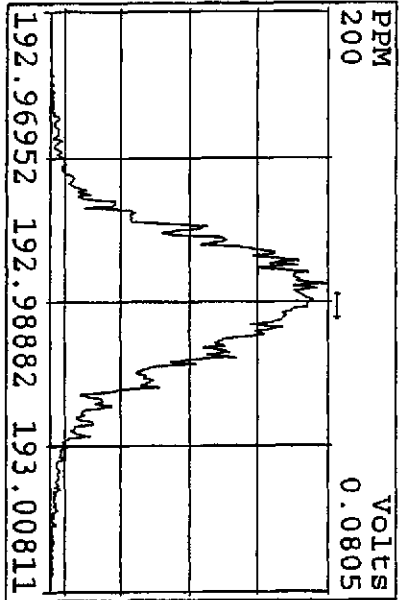
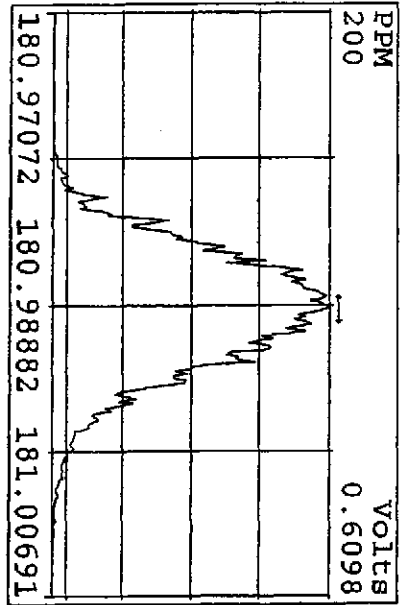
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	179703200	0.66 y	25:09	-	100.00	-	n
13C-TCB-81	215489900	0.79 y	26:43	1.20	100.00	-9.7	n
TCB-81	598460000	0.76 y	26:44	1.39	200.00	6.2	n
13C-TCB-77	219700700	0.80 y	27:17	1.22	100.00	-11.3	n
TCB-77	543529000	0.77 y	27:18	1.24	200.00	7.3	n
13C-PeCB-123	185638000	0.66 y	28:39	1.03	100.00	-3.9	n
PeCB-123	606842000	0.60 y	28:40	1.63	200.00	-4.2	n
13C-PeCB-118	194150200	0.67 y	28:48	1.08	100.00	-2.2	n
PeCB-118/106	646944000	0.60 y	28:49	1.67	200.00	-6.2	n
13C-PeCB-114	195494500	0.67 y	29:26	1.09	100.00	-5.4	n
PeCB-114	676327000	0.60 y	29:27	1.73	200.00	-3.8	n
13C-PeCB-105	189107200	0.66 y	30:18	1.05	100.00	-4.6	n
PeCB-105/127	579228000	0.60 y	30:19	1.53	200.00	-5.3	n
13C-PeCB-126	198755800	0.66 y	32:12	1.11	100.00	-8.3	n
PeCB-126	513529000	0.59 y	32:13	1.29	200.00	-2.9	n
13C-OcCB-202	185601800	0.89 y	34:30	-	100.00	-	n
13C-HxCB-167	206826700	1.25 y	33:19	1.11	100.00	-9.3	n
HxCB-167	601735000	1.26 y	33:20	1.45	200.00	20.5	n
13C-HxCB-156	167864400	1.22 y	34:37	0.90	100.00	-7.0	n
HxCB-156	530994000	1.27 y	34:38	1.58	200.00	7.7	n
13C-HxCB-157	176648700	1.25 y	34:56	0.95	100.00	-8.5	n
HxCB-157	542834000	1.26 y	34:58	1.54	200.00	3.9	n
13C-HxCB-169	190140700	1.26 y	36:46	1.02	100.00	-11.5	n
HxCB-169	390669000	1.27 y	36:47	1.03	200.00	5.0	n
13C-HpCB-180	138508500	1.00 y	35:34	0.75	100.00	-7.9	n
HpCB-180	364117000	1.04 y	35:35	1.31	200.00	-1.7	n
13C-HpCB-170	111273300	1.04 y	37:13	0.60	100.00	-8.9	n
HpCB-170/190	370547000	1.06 y	37:14	1.67	200.00	3.0	n
13C-HpCB-189	147286100	1.01 y	38:51	0.79	100.00	-12.7	n
HpCB-189	372404000	1.04 y	38:52	1.26	200.00	3.0	n
13C-DeCB-209	97699000	0.74 y	43:55	0.53	100.00	-24.0	n
DECB-209	311158000	0.72 y	43:56	1.59	200.00	3.9	n
13C-PeCB-111	257046000	0.65 y	26:36	1.35	100.00	5.3	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
23DE099D5	1	ST1223	CS4 09DXN208				1.00000	
23DE099D5	2	ST1223A	209PCB 09DXN413				1.00000	
23DE099D5	3	SB1223	Solvent Blank C-12				1.00000	
23DE099D5	4	LQFNE-1-AA	G9L030000-330B	20	1668/AIR	51	0.50000	Sam
23DE099D5	5	LQFNE-1-AC	G9L030000-330C	20	1668/AIR		0.50000	Sam
23DE099D5	6	LQADT-1-AD	F9L010476-5 RI	20	1668/SOLID	53	10.25500	g
23DE099D5	7	ST1223B	CS3- 09DXN343				1.00000	
23DE099D5	8	SB1223A	Solvent Blank C-12				1.00000	
23DE099D5	9	LPVPX-1-ACC	F9K110437-8LCS RI	20	1668/WATER	37	1.00000	L
23DE099D5	10	LQADV-1-AD	F9L010476-6 RI	20	1668/SOLID	53	10.23500	g
23DE099D5	11	LQAD8-1-AC	F9L010476-11 RI	20	1668/SOLID		10.25000	g
23DE099D5	12	LQADX-1-AD	F9L010476-7 (3X)	20	1668/SOLID		10.08000	g
23DE099D5	13	LQAD0-1-AD	F9L010476-8 (3X)	20	1668/SOLID		10.02500	g
23DE099D5	14	LQAD1-1-AD	F9L010476-9 (3X)	20	1668/SOLID		10.10000	g
23DE099D5	15	LQAD2-1-AD	F9L010476-10 (3X)	20	1668/SOLID		10.00000	g
23DE099D5	16	SB1223B	Solvent Blank C-12				1.00000	
23DE099D5	17	ST1223C	CS4 09DXN208				1.00000	
23DE099D5	18	SB1223C	Solvent Blank C-12				1.00000	
23DE099D5	19	LQFW7-1-AE	F9L030474-4 (3X)	20	1668/SOLID	56	10.09000	g
23DE099D5	20	LQFW8-1-AE	F9L030474-5 (3X)	20	1668/SOLID		10.30000	g
23DE099D5	21	LQFW8-1-AL	F9L030474-5S (3X)	20	1668/SOLID		10.35000	g
23DE099D5	22	LQFW8-1-AM	F9L030474-5D (3X)	20	1668/SOLID		10.18000	g
23DE099D5	23	LQFXJ-1-AE	F9L030474-6 (3X)	20	1668/SOLID	56	10.28000	g
23DE099D5	24	LQFXR-1-AE	F9L030474-7 (3X)	20	1668/SOLID		10.00000	g
23DE099D5	25	LQFX3-1-AE	F9L030474-10 (3X)	20	1668/SOLID		10.00500	g
23DE099D5	26	LQFX6-1-AE	F9L030474-11 (3X)	20	1668/SOLID		10.37000	g
23DE099D5	27	LQF0C-1-AE	F9L030474-12 (3X)	20	1668/SOLID		10.19000	g
23DE099D5	28	LQF0G-1-AE	F9L030474-13 (3X)	20	1668/SOLID		10.43500	g
23DE099D5	29	LQF0K-1-AE	F9L030474-14 (3X)	20	1668/SOLID		10.15000	g
23DE099D5	30	LQFW3-1-AE	F9L030474-2 (5X)	20	1668/SOLID		10.20000	g
23DE099D5	31	SB1223D	Solvent Blank C-12				1.00000	
23DE099D5	32	ST1223D	CS4 09DXN208				1.00000	
23DE099D5	33	SB1222E	Solvent Blank C-12				1.00000	
23DE099D5	34	LQFW4-1-AE	F9L030474-3 (5X)	20	1668/SOLID	56	10.00000	g
23DE099D5	35	LQFX1-1-AE	F9L030474-8 (10X)	20	1668/SOLID		10.23500	g
23DE099D5	36	LQFX2-1-AE	F9L030474-9 (10X)	20	1668/SOLID		10.13500	g
23DE099D5	37	LQALR-1-AA	G9L010507-2 (5X)	20	1668/AIR	51	0.50000	Sam
23DE099D5	38	LQKH5-1-AD	G9L040643-1 (10X)	20	1668/SOLID	58	10.59000	g
23DE099D5	39	LQWWD-1-AC	G9L080461-1LCS	20	1668/SOLID	62	10.00000	g
23DE099D5	40	LQWWD-1-AA	G9L080461-1MB	20	1668/SOLID		10.00000	g
23DE099D5	41	LQPM6-1-AD	G9L080555-1	20	1668/SOLID		10.01000	g
23DE099D5	42	LQK4V-1-AE	F9L050438-1	20	1668/SOLID	57	10.48000	g
23DE099D5	43	LQK50-1-AE	F9L050438-2	20	1668/SOLID		10.06000	g
23DE099D5	44	LQK54-1-AE	F9L050438-3	20	1668/SOLID		10.14500	g
23DE099D5	45	LQK57-1-AE	F9L050438-4	20	1668/SOLID		10.46000	g
23DE099D5	46	SB1223F	Solvent Blank C-12				1.00000	
23DE099D5	47	ST1223E	CS4 09DXN208				1.00000	
23DE099D5	48	SB1222G	Solvent Blank C-12				1.00000	
23DE099D5	49	LQDD-1-AA	F9L050438-1MB	20	1668/SOLID	57	10.00000	g
23DE099D5	50	LQDD-1-AC	F9L050438-1LCS	20	1668/SOLID		10.00000	g
23DE099D5	51	LQK6C-1-AE	F9L050438-5	20	1668/SOLID		10.20500	g
23DE099D5	52	LQK6E-1-AE	F9L050438-6	20	1668/SOLID		10.26500	g
23DE099D5	53	LQK6G-1-AE	F9L050438-7	20	1668/SOLID		10.41000	g

reviewed to #45  
by MS 12/28/09

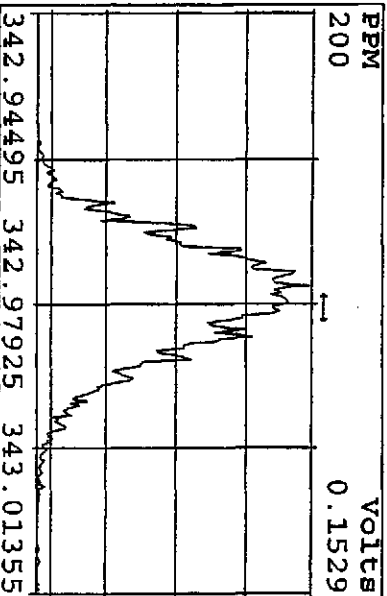
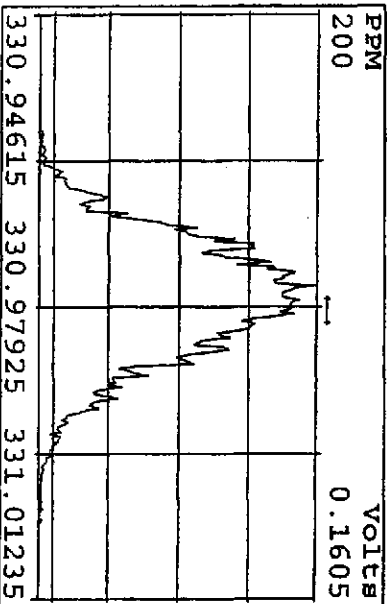
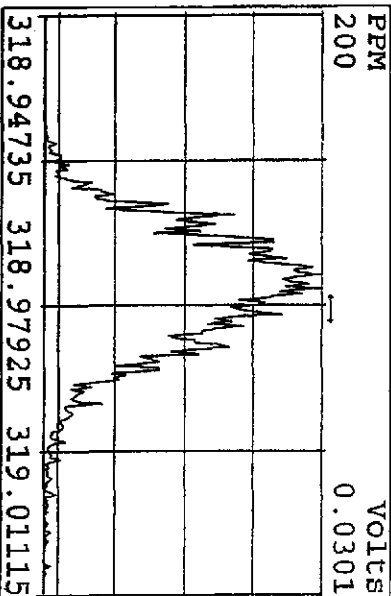
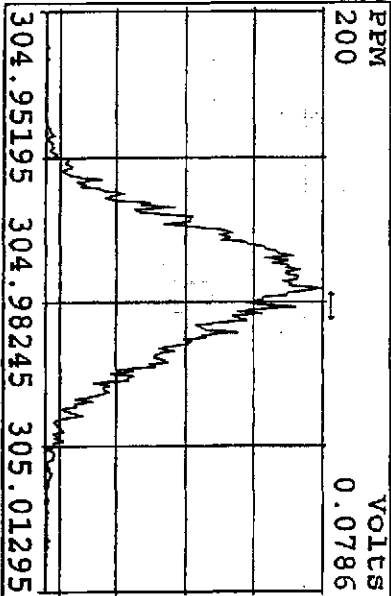
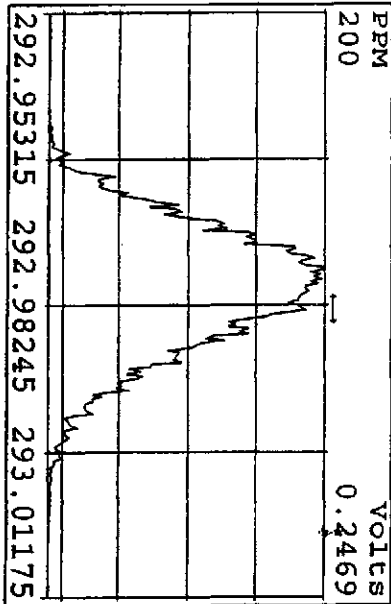
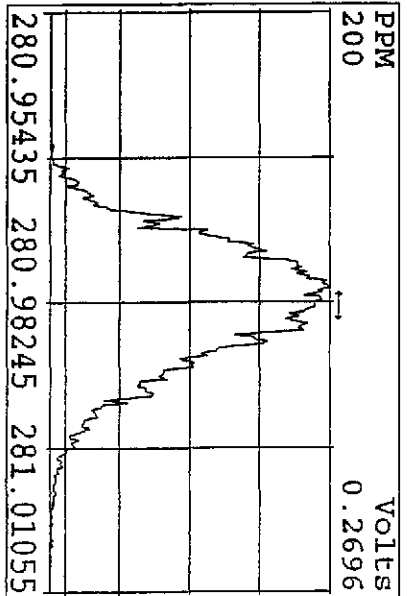
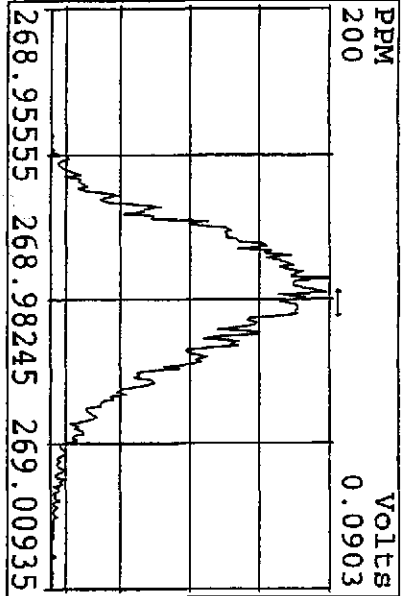
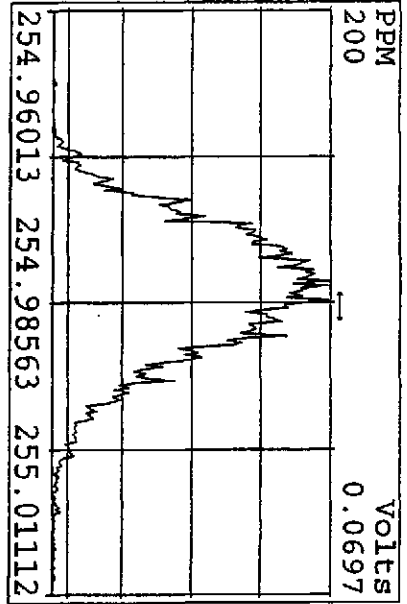
23DE099D5	54	LQK6T-1-AE	F9L050438-8	20	1668/SOLID		10.15500 g
23DE099D5	55	LQK6W-1-AE	F9L050438-9	20	1668/SOLID		10.44500 g
23DE099D5	56	LQK6X-1-AE	F9L050438-10	20	1668/SOLID		10.09500 g
23DE099D5	57	LQK61-1-AE	F9L050438-11	20	1668/SOLID		10.24000 g
23DE099D5	58	LQK63-1-AE	F9L050438-13	20	1668/SOLID		10.13000 g
23DE099D5	59	LQK63-1-AL	F9L050438-13S	20	1668/SOLID		10.15500 g
23DE099D5	60	LQK63-1-AM	F9L050438-13D	20	1668/SOLID		10.48500 g
23DE099D5	61	SB1223H	Solvent Blank C-12				1.00000
23DE099D5	62	ST1223F	CS4 09DXN208				1.00000
23DE099D5	63	SB1222I	Solvent Blank C-12				1.00000
23DE099D5	64	LQK62-1-AE	F9L050438-12	20	1668/SOLID	57	10.29000 g
23DE099D5	65	LQK67-1-AE	F9L050438-14	20	1668/SOLID		10.21500 g
23DE099D5	66	LQNWH-1-AC	F9L080461-1	20	1668/SOLID	62	10.10000 g
23DE099D5	67	LQNWQ-1-AC	F9L080461-2	20	1668/SOLID		10.07000 g
23DE099D5	68	LQNWT-1-AC	F9L080461-3	20	1668/SOLID		10.09500 g
23DE099D5	69	LQNWV-1-AC	F9L080461-4	20	1668/SOLID		10.35000 g
23DE099D5	70	LQNWW-1-AC	F9L080461-5	20	1668/SOLID		10.13000 g
23DE099D5	71	LQNW0-1-AC	F9L080461-6	20	1668/SOLID		10.25000 g
23DE099D5	72	LQNW2-1-AC	F9L080461-7	20	1668/SOLID		10.09500 g
23DE099D5	73	LQNW5-1-AC	F9L080461-8	20	1668/SOLID		10.12500 g
23DE099D5	74	LQNXC-1-AC	F9L080461-9	20	1668/SOLID		10.02000 g
23DE099D5	75	LQNXE-1-AC	F9L080461-10	20	1668/SOLID		10.15000 g
23DE099D5	76	LQNXG-1-AC	F9L080461-11	20	1668/SOLID		10.33500 g
23DE099D5	77	SB1222J	Solvent Blank C-12				1.00000
23DE099D5	78						1.00000
23DE099D5	79						1.00000
23DE099D5	80						1.00000
23DE099D5	81		MG, SMA 12/23/09				1.00000

Peak Locate Examination: 23-DEC-2009:05:52 File: 23DE099D5  
 Experiment: 209DB5 Function: 1 Reference: PFK

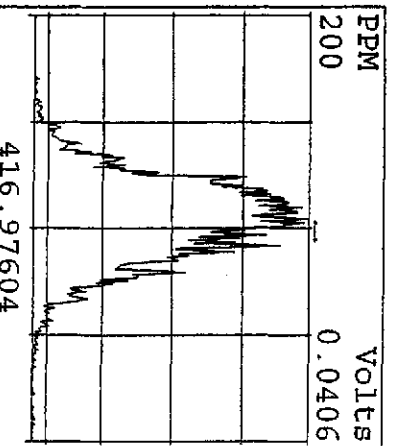
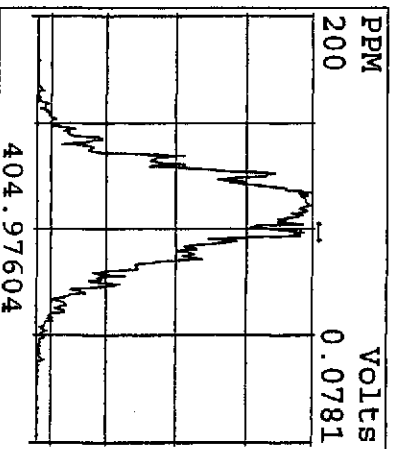
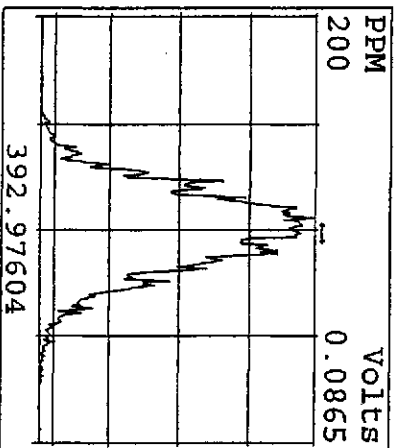
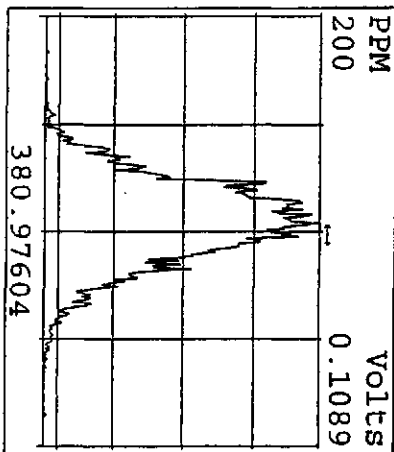
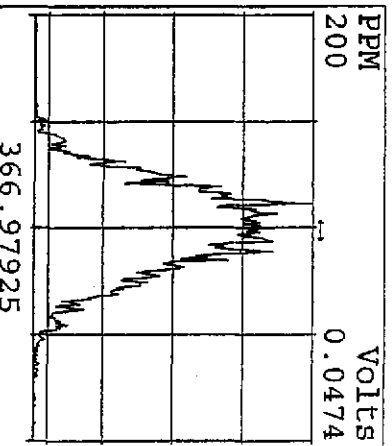
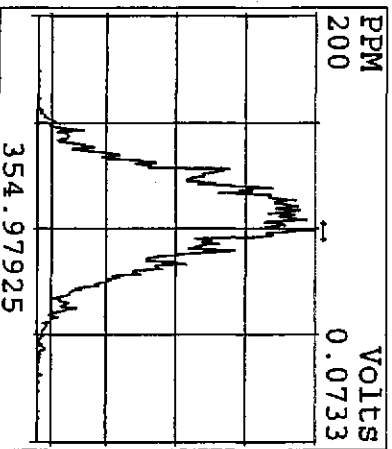
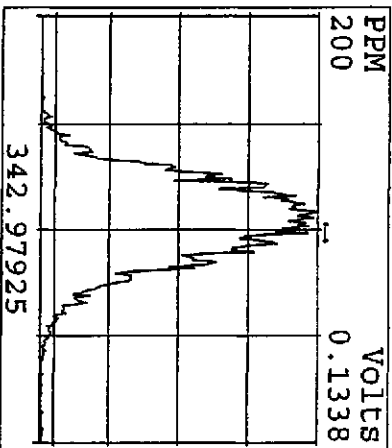
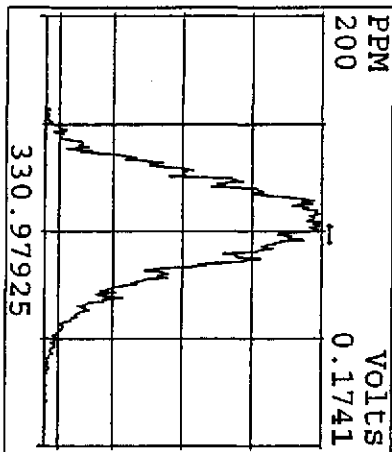
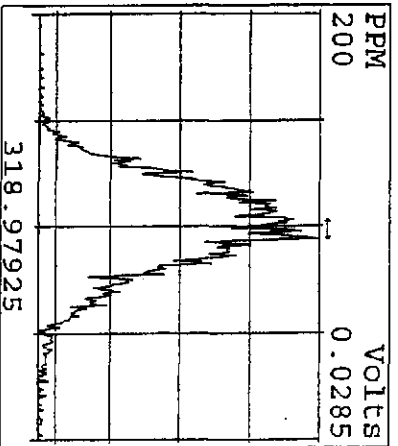
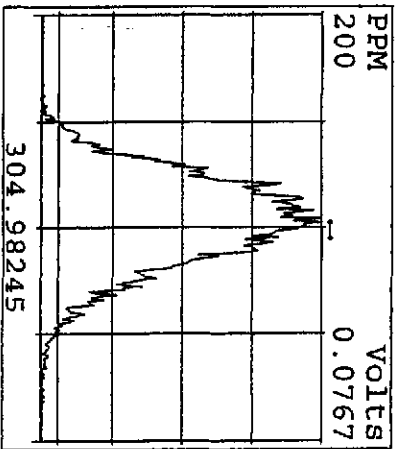
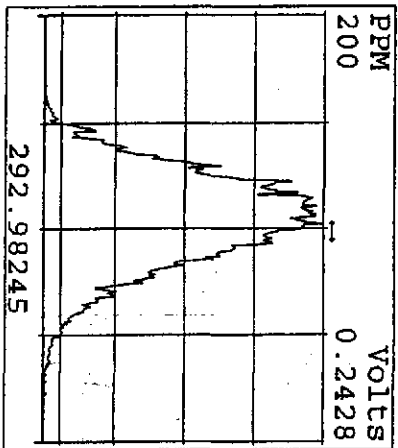
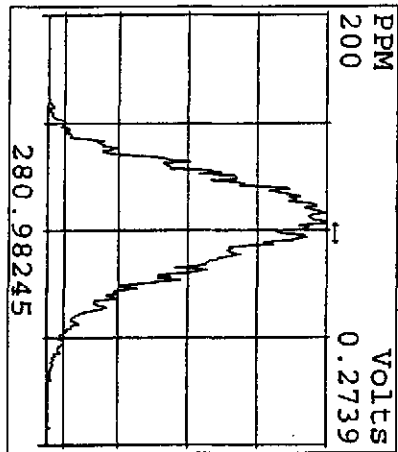




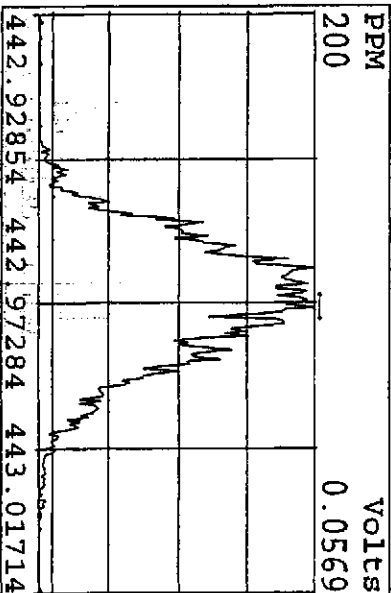
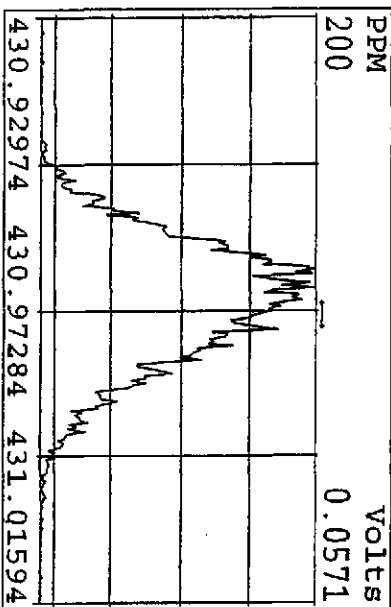
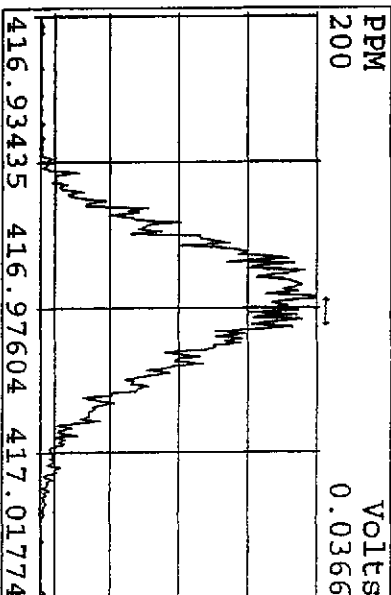
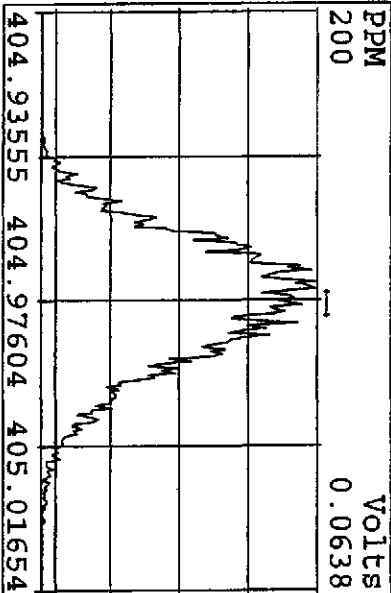
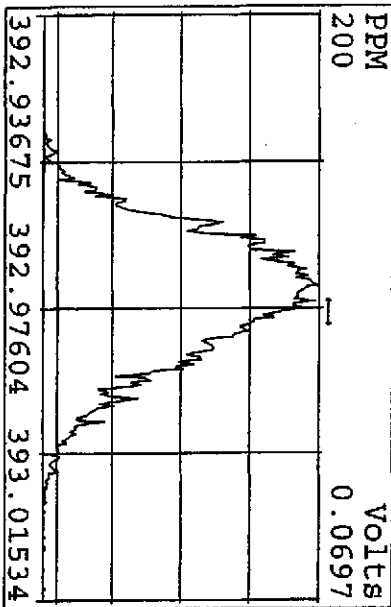
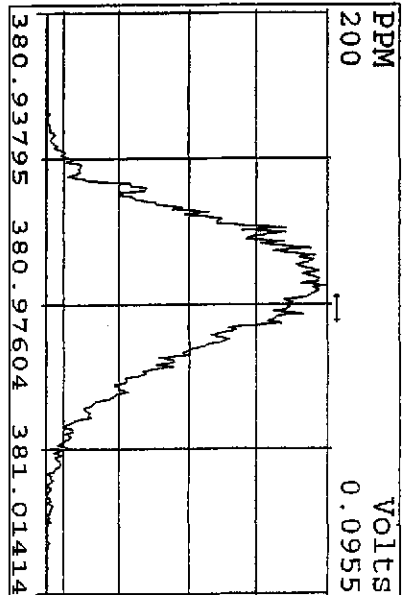
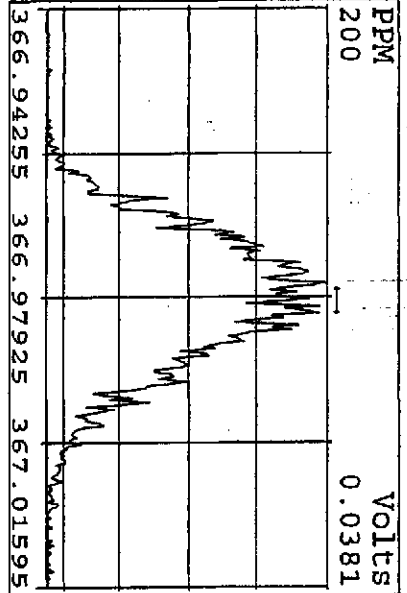
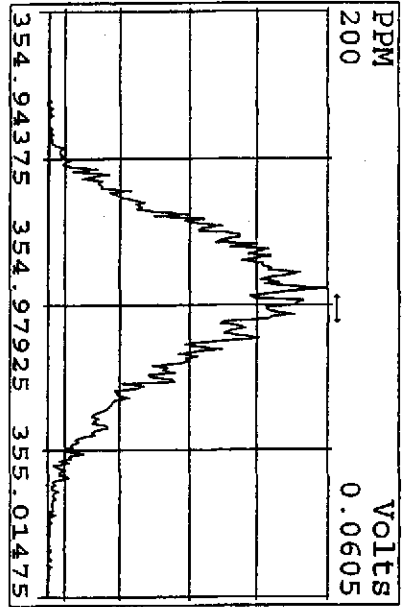
Peak Locate Examination: 23-DEC-2009:05:53 File: 23DDE099D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



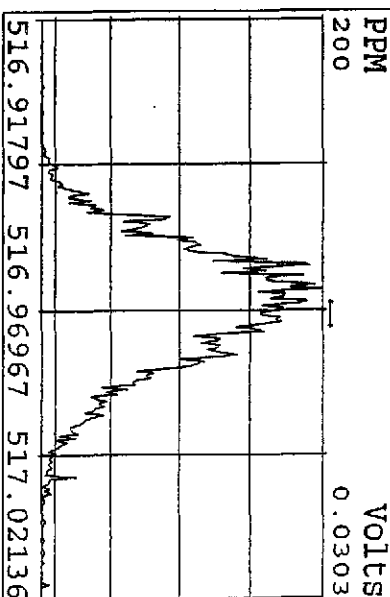
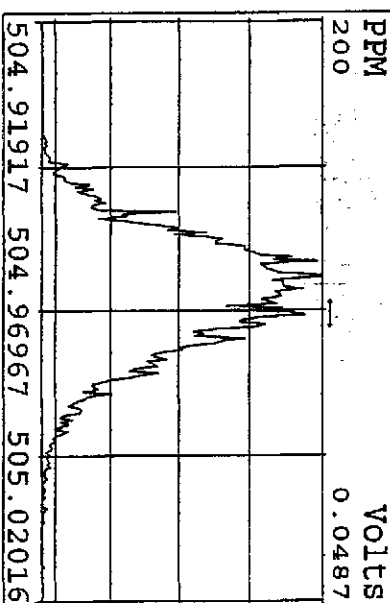
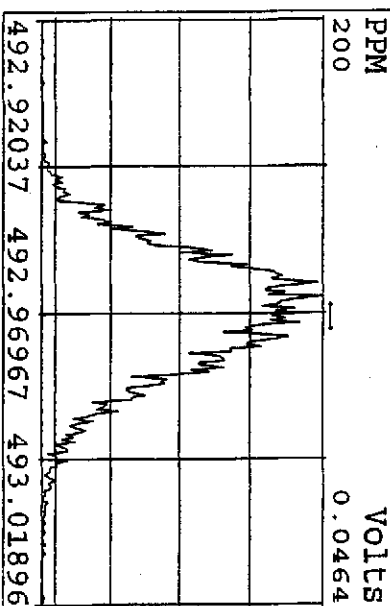
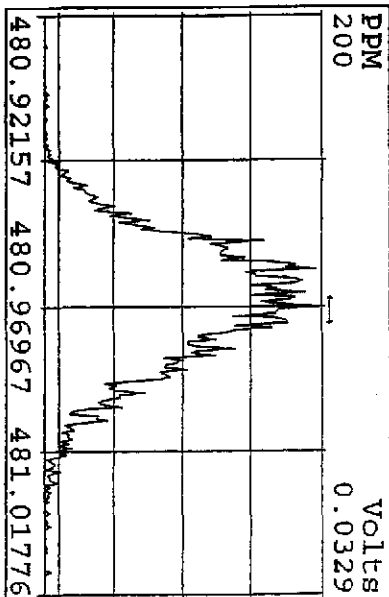
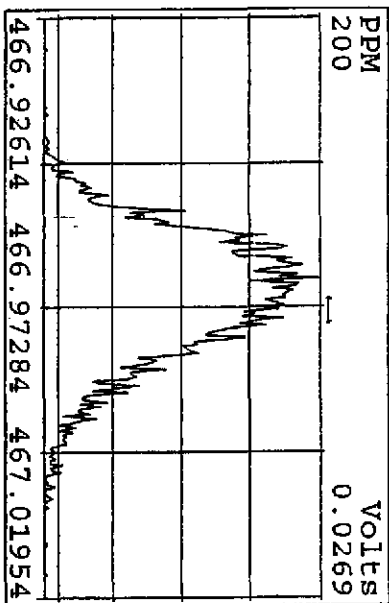
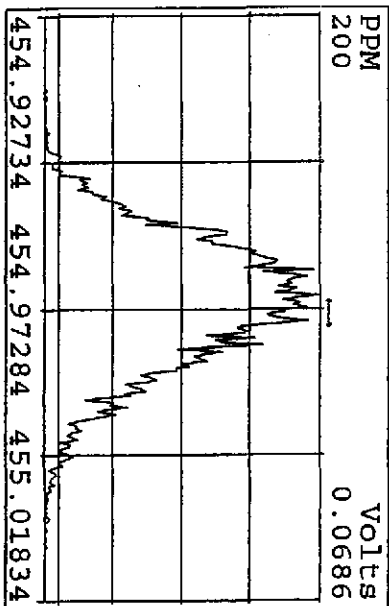
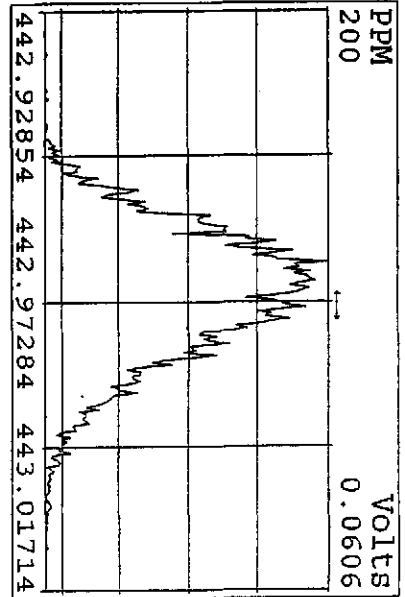
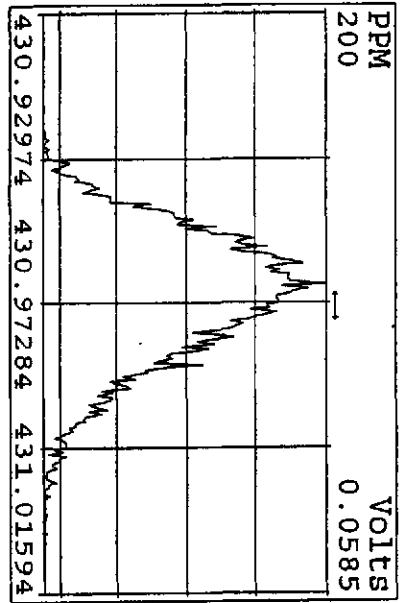
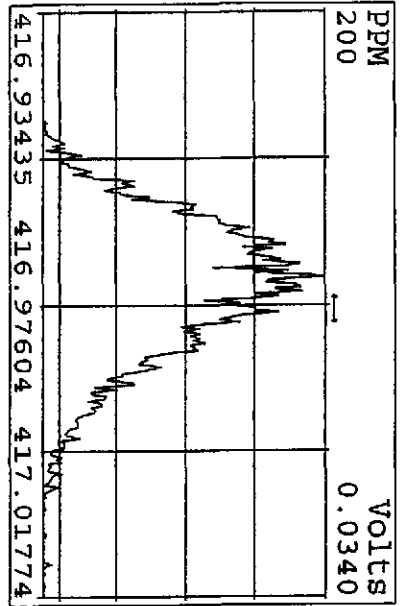
Peak Locate Examination: 23-DEC-2009:05:54 File: 23DE099D5  
 Experiment: 209DB5 Function: 3 Reference: PFK



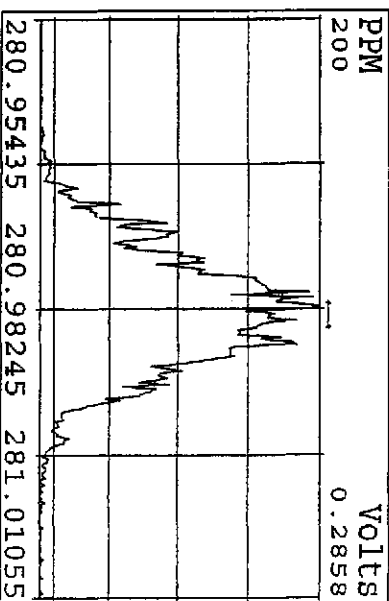
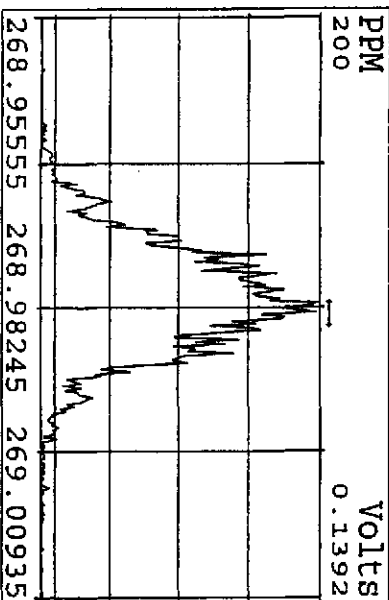
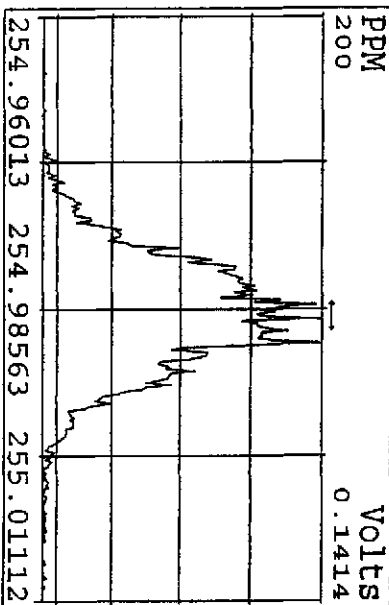
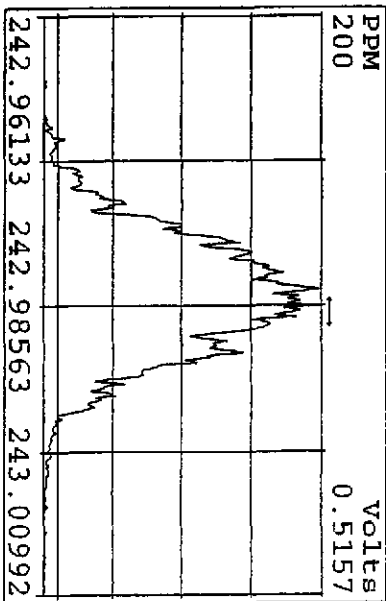
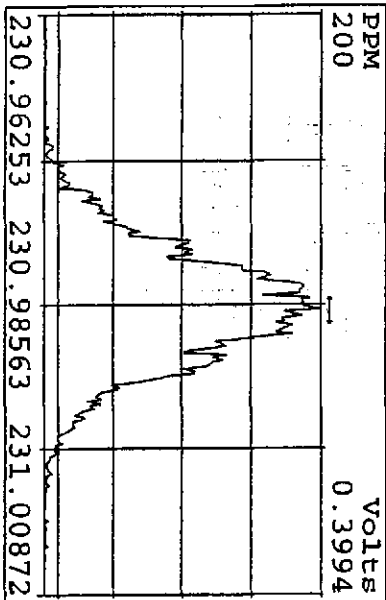
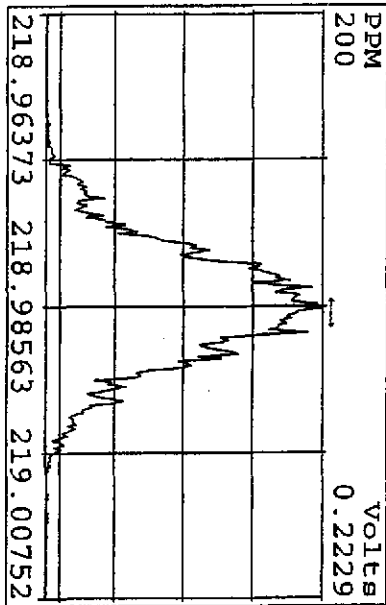
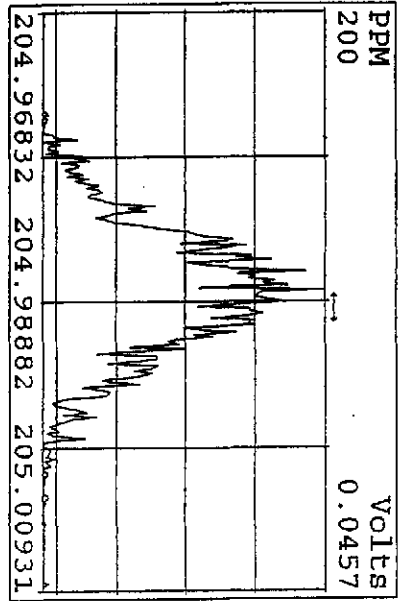
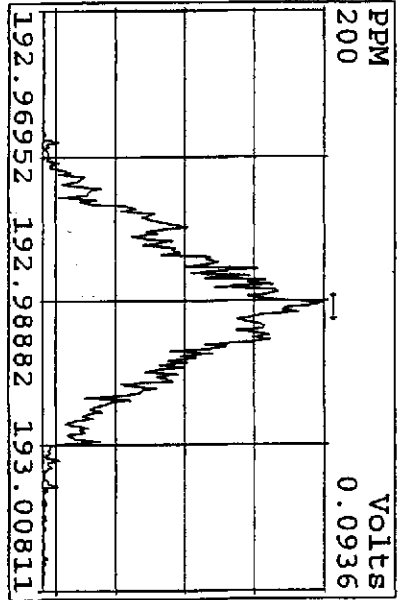
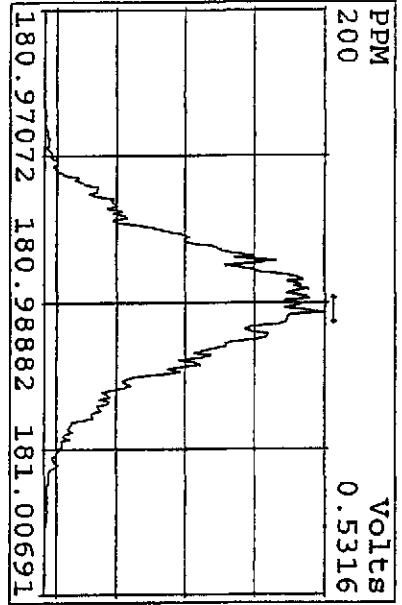
Peak Locate Examination: 23-DEC-2009:05:55 File: 23DDE099D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



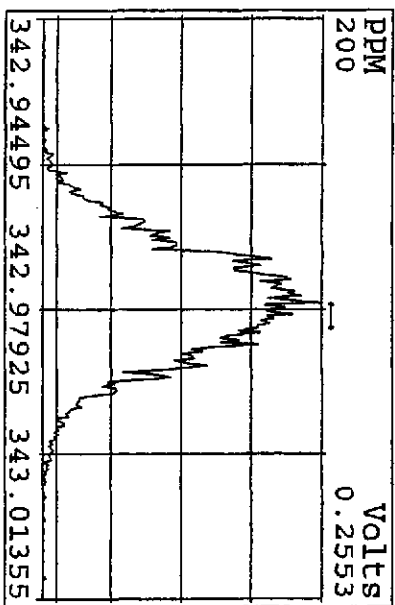
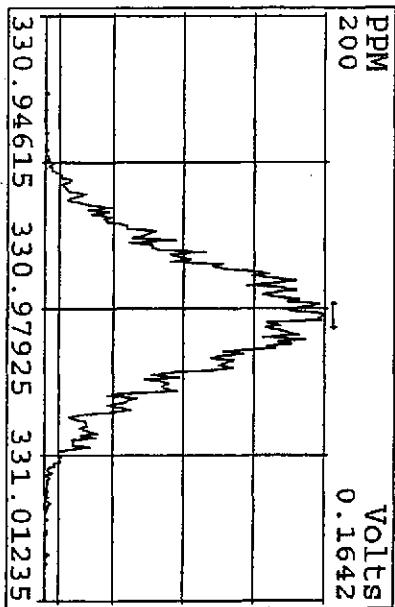
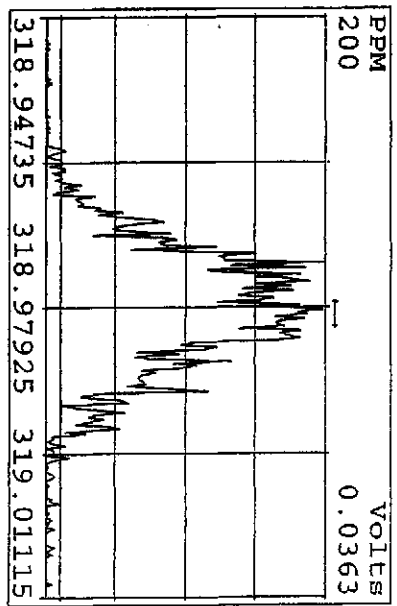
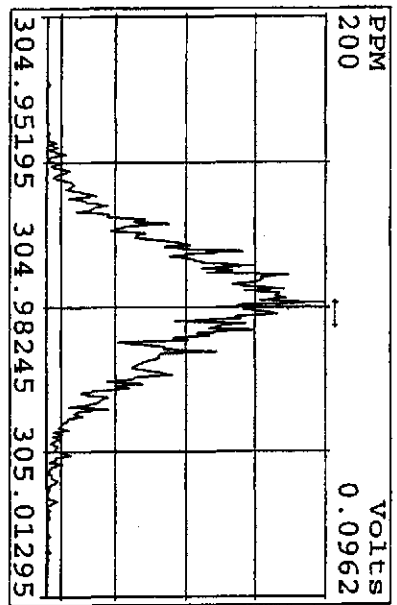
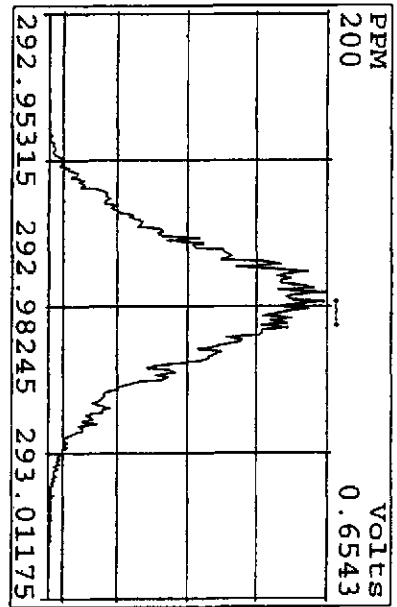
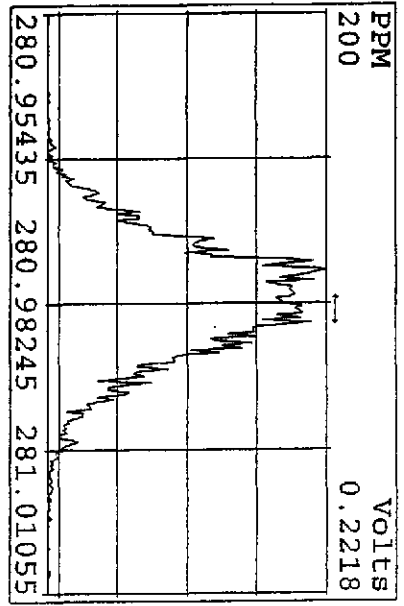
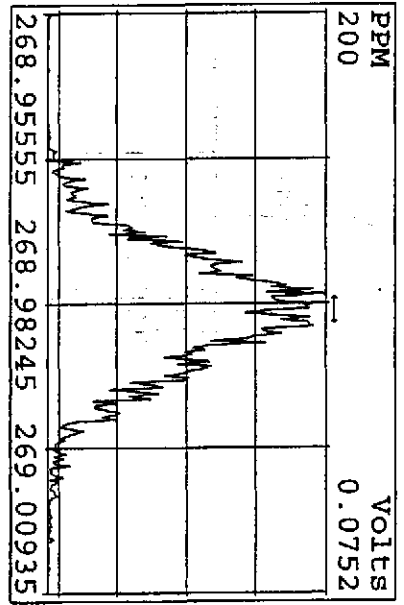
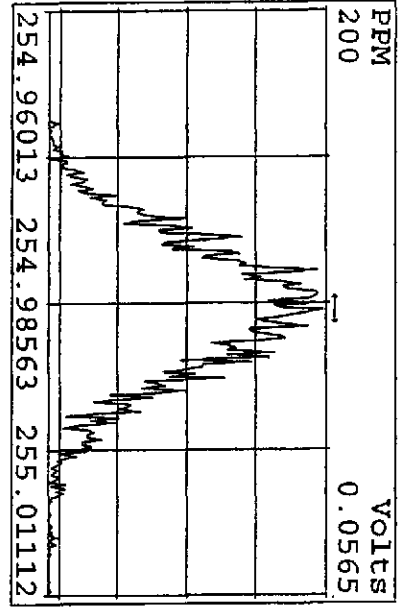
Peak Locate Examination: 23-DEC-2009:05:55 File: 23DE099D5  
 Experiment: 209DB5 Function: 5 Reference: PRK



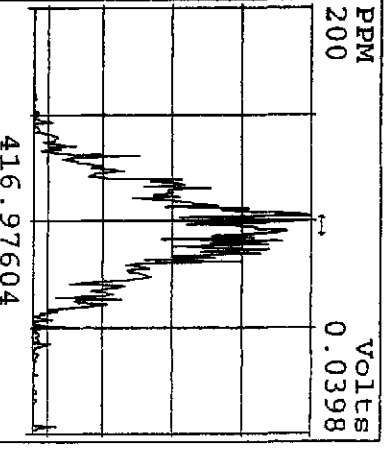
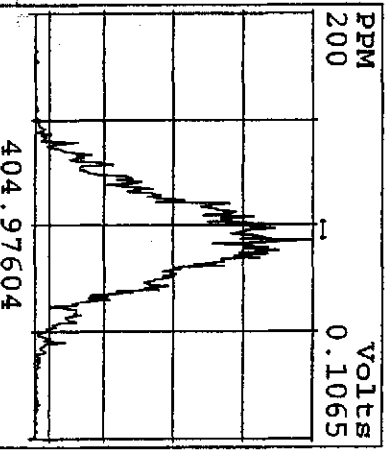
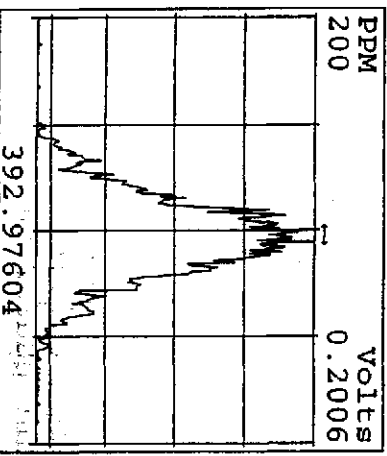
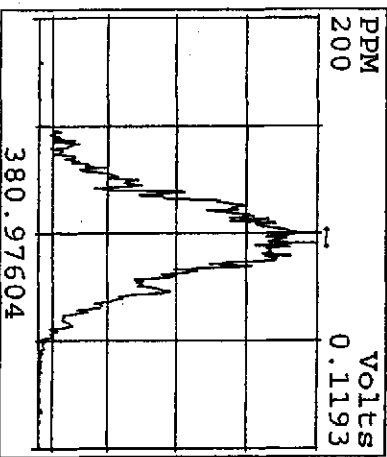
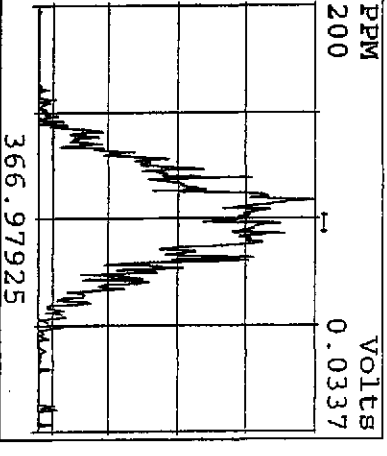
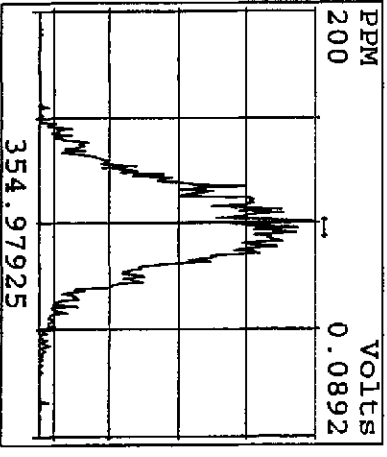
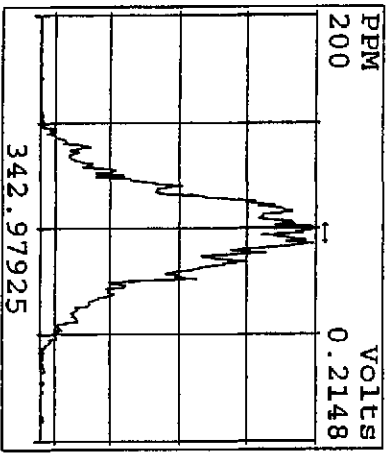
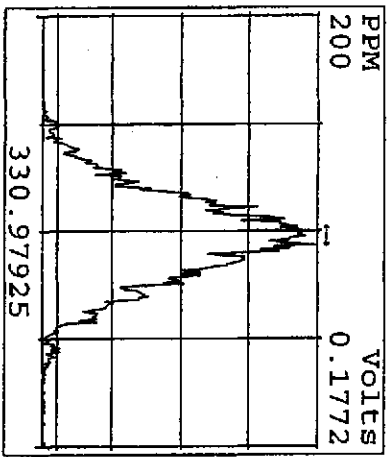
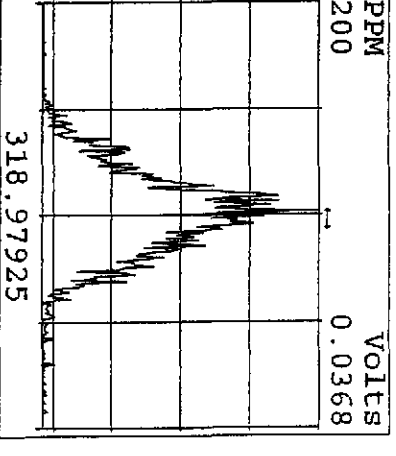
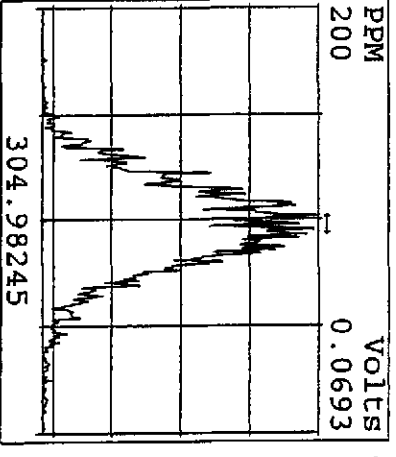
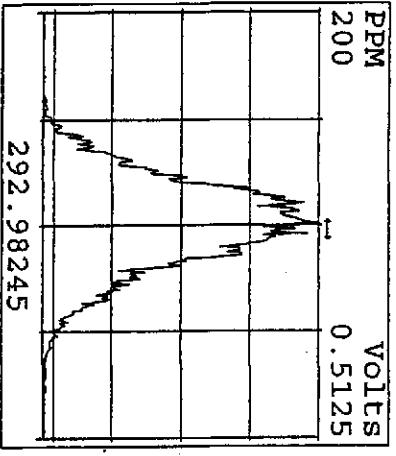
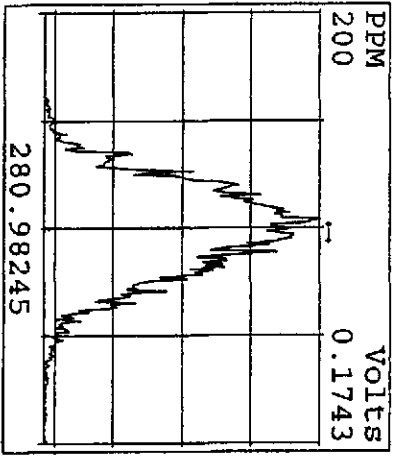
Peak Locate Examination: 25-DEC-2009: 00:32 File: RESCHK23DE099D5  
 Experiment: 209DB5 Function: 1 Reference: PFK



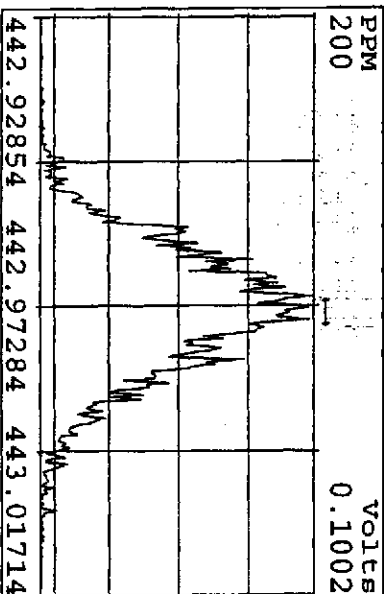
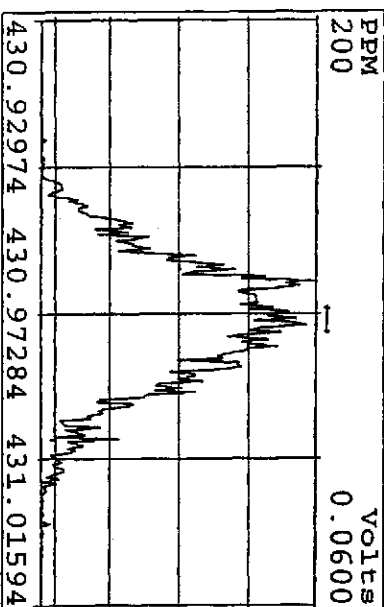
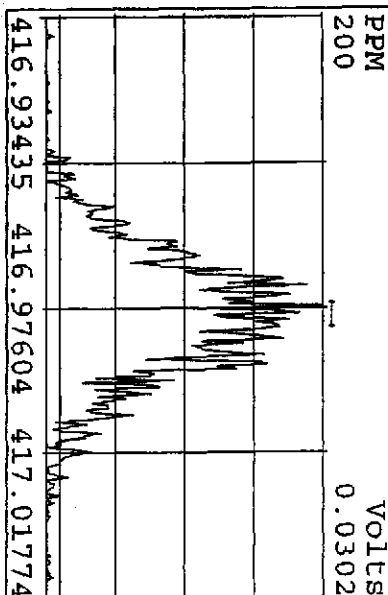
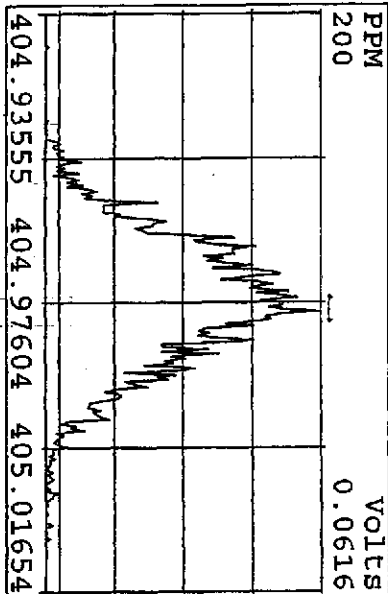
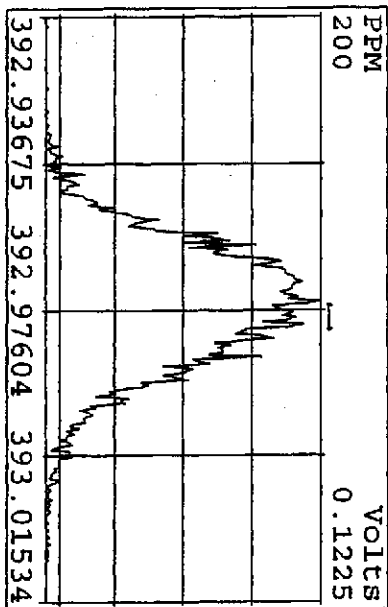
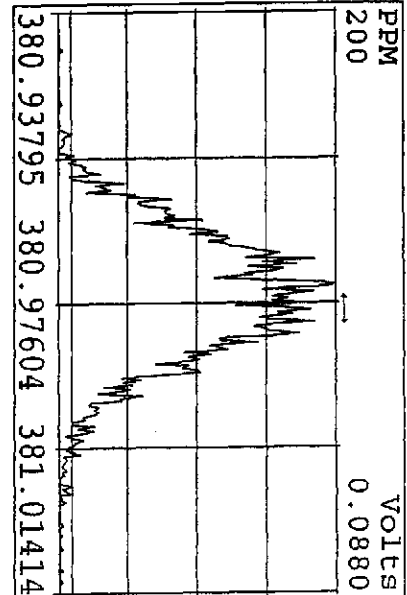
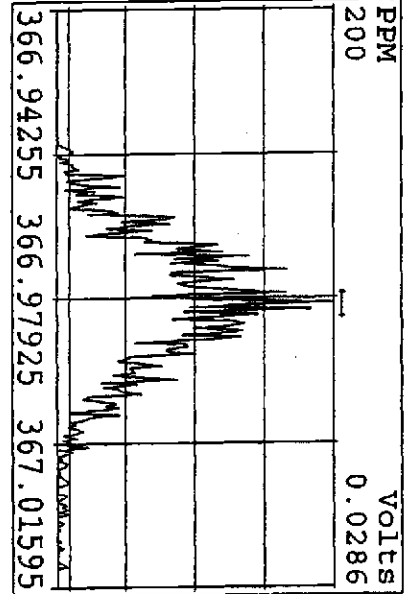
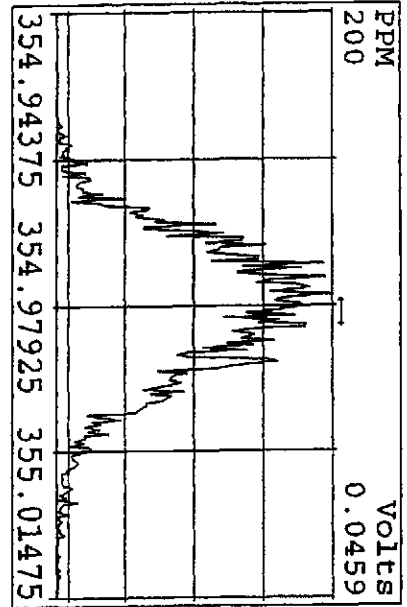
Peak Locate Examination: 25-DEC-2009:00:33 File: RESCHK23DE099D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



Peak Locate Examination: 25-DEC-2009:00:36 File: RESCHK23DE099D5  
Experiment: 209DB51 Function: 3 Reference: PFK

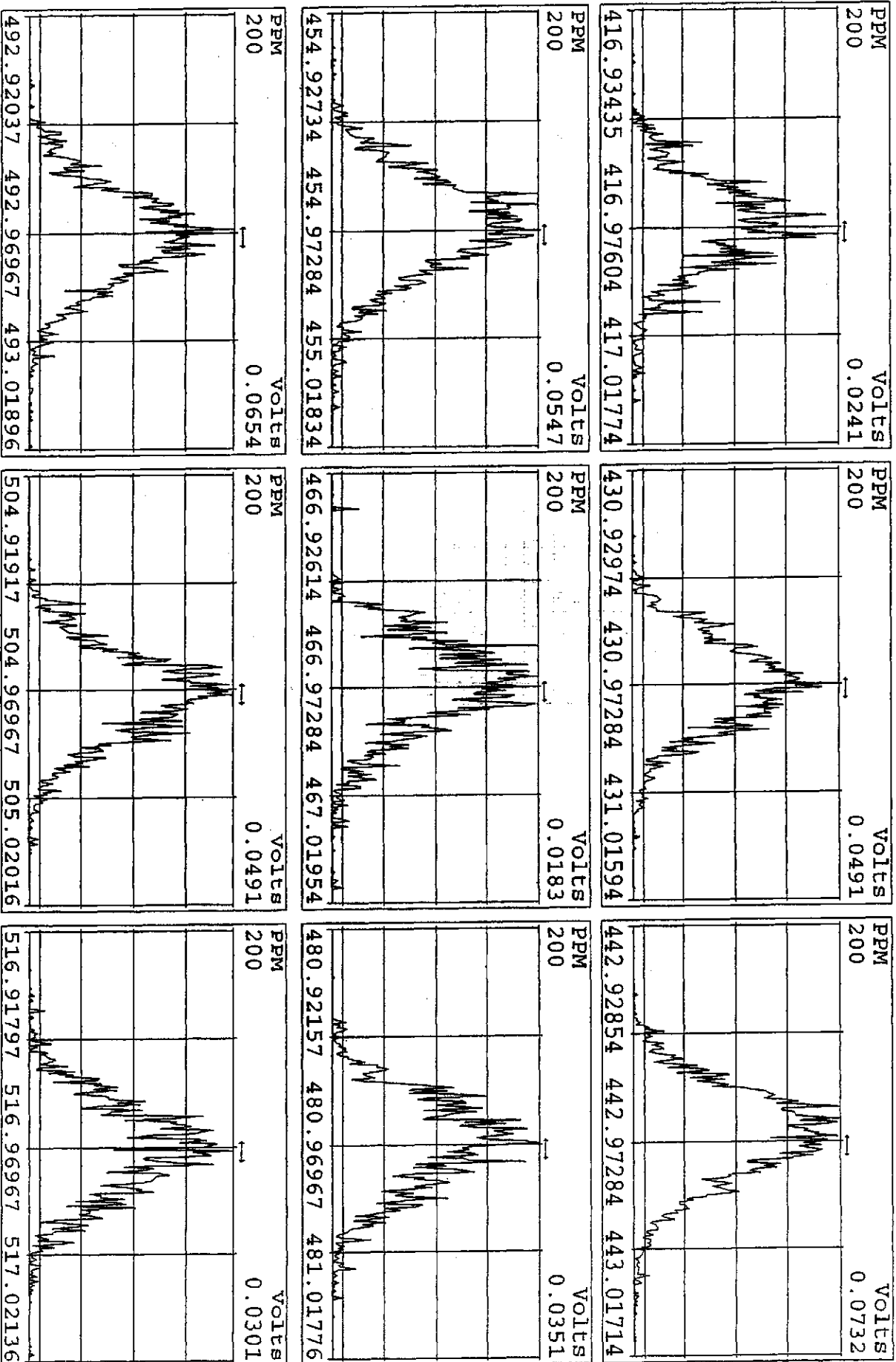


Peak Locate Examination:25-DEC-2009:00:39 File:RESCHK23DE099D5  
Experiment:209DB5 Function:4 Reference:PFK

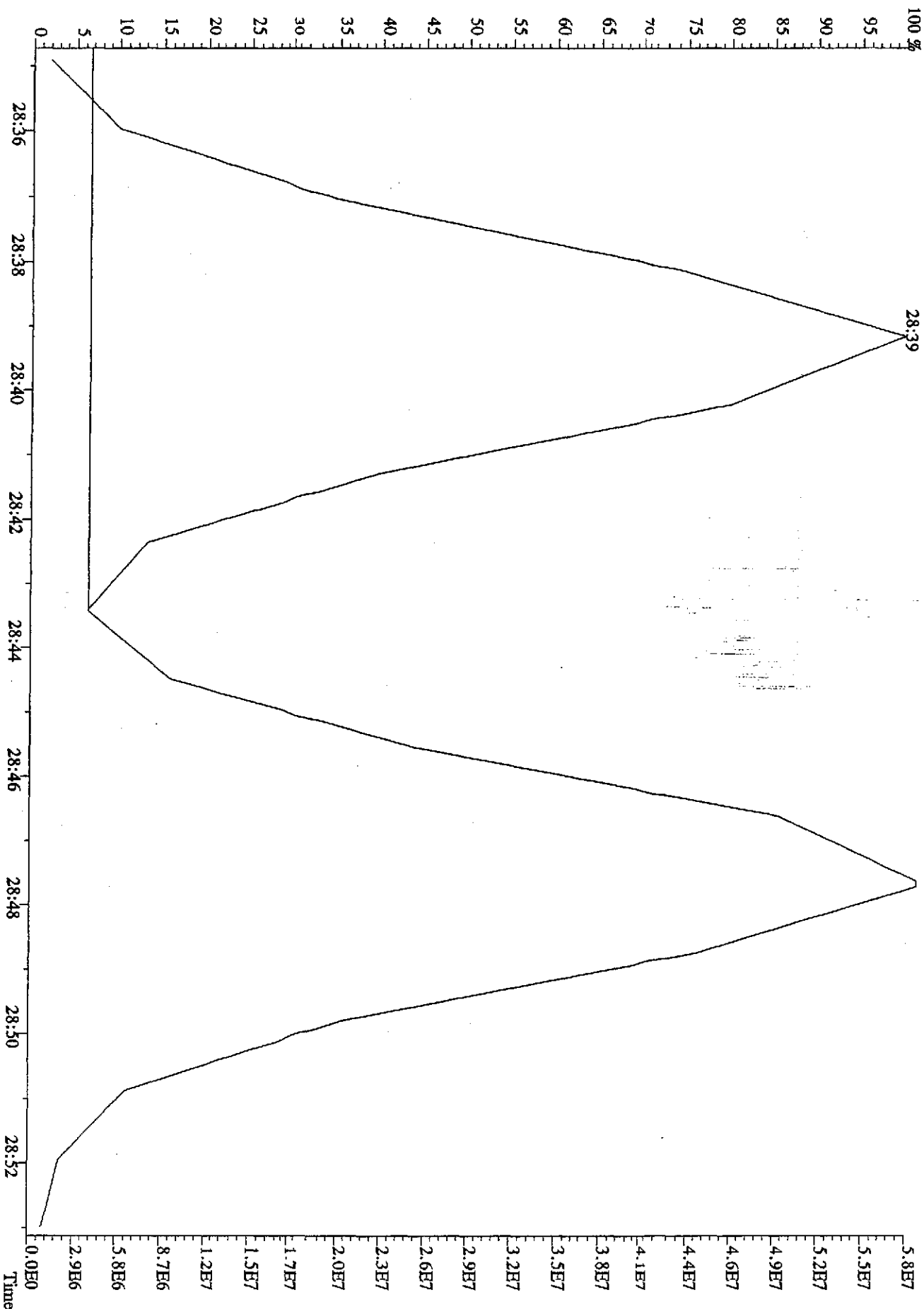




Peak Locate Examination: 25-DEC-2009: 00:40 File: RESCHK23DE099D5  
 Experiment: 209DB5 Function: 5 Reference: PFK



File: 22DB099D5 #1-596 Acq: 22-DEC-2009 11:15:25 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text: ST1222 :CS4 09DXN208 Exp: 209DB5  
 325.8804 F:3



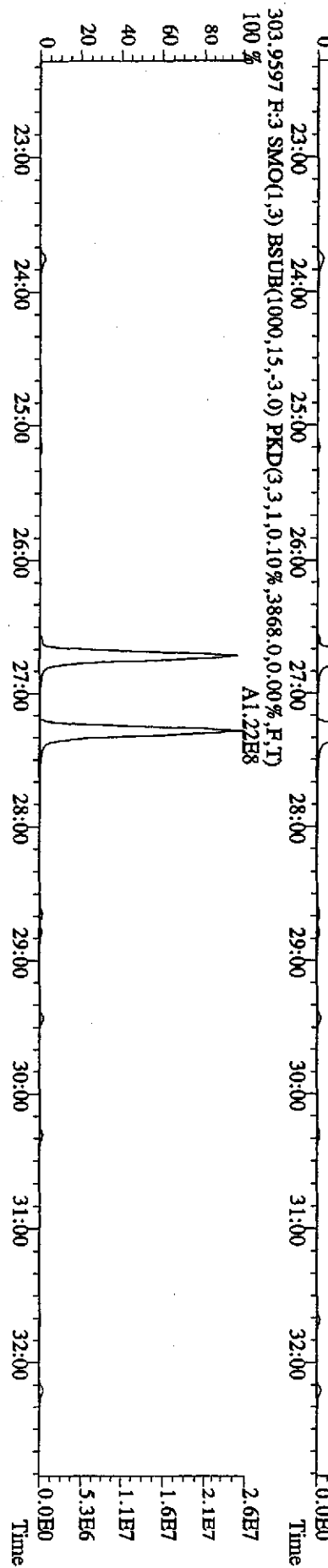
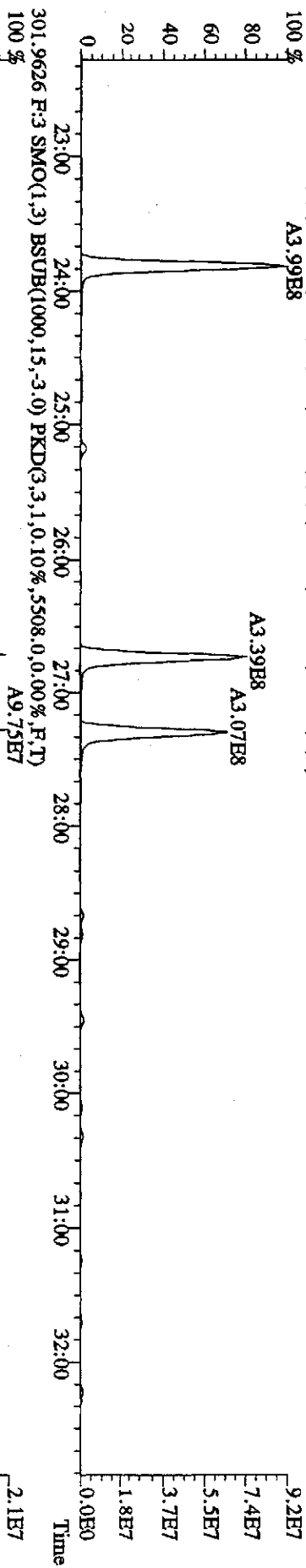
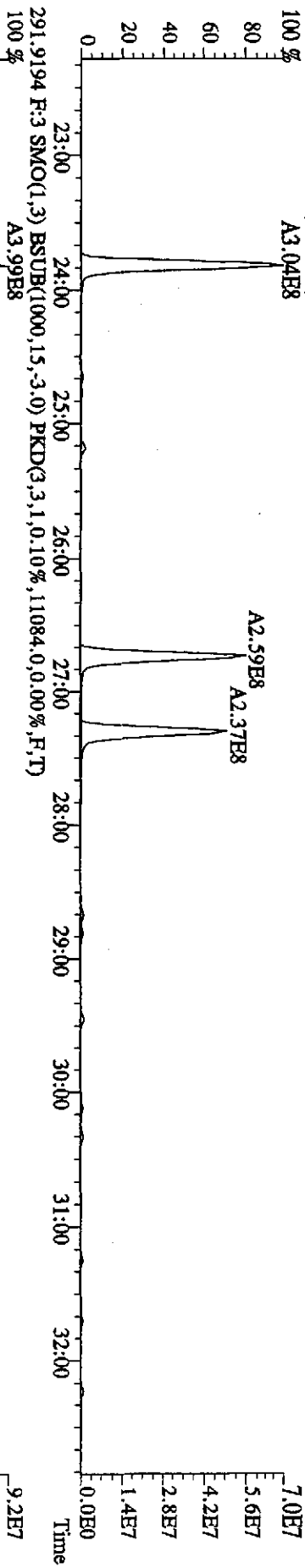
Run: 23DE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC1216099D5

ST1216 : CS3 09DXN207 ST1216A : CS2 09DXN206 ST1216B : CS1 09DXN205  
 ST1216C : CS5 09DXN209 ST1216D : CS4 09DXN208

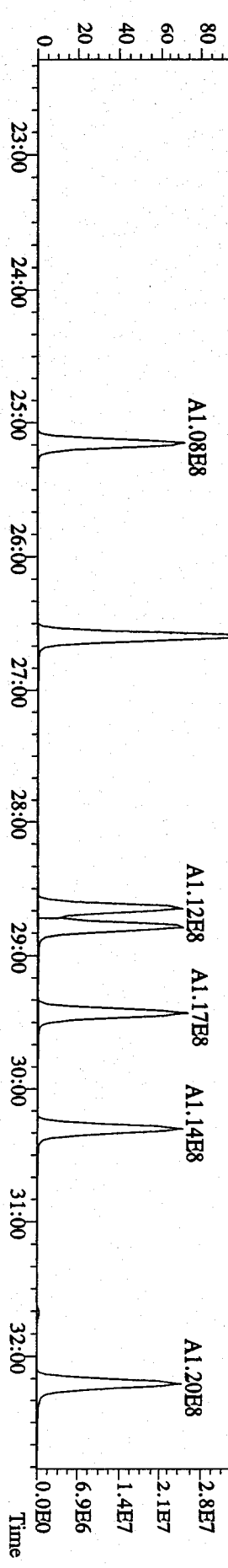
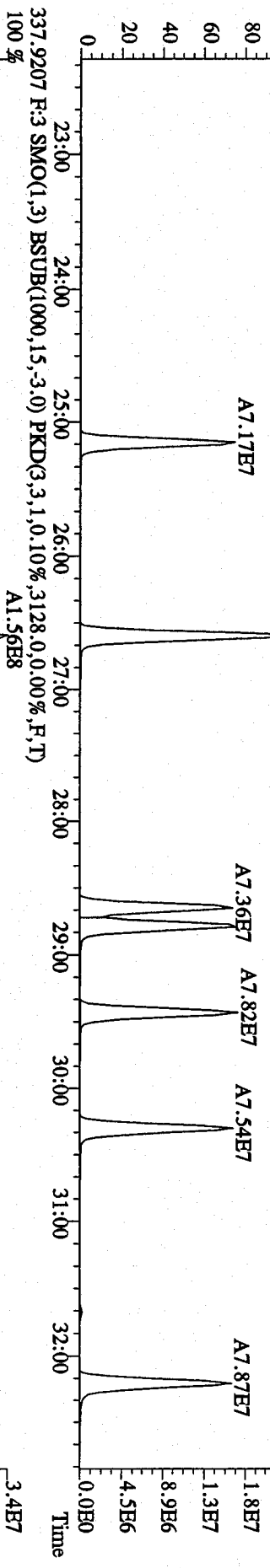
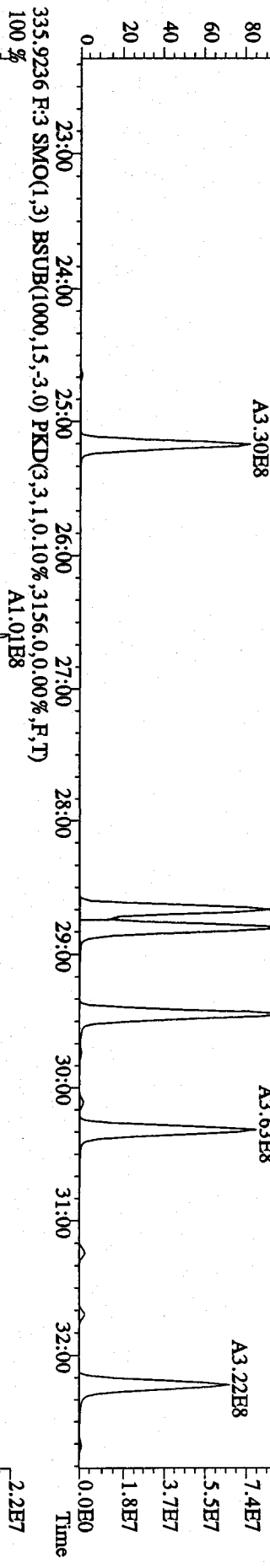
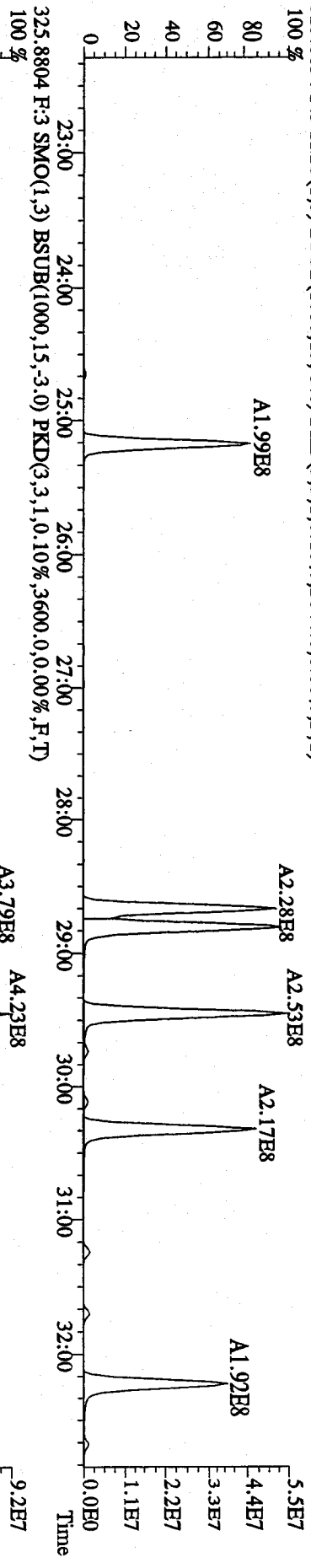
Name	Mean	S. D.	%RSD	16DE09E9D516DE09E9D516DE09E9D516DE09E9D516DE09E9D5				
				S1	S2	S3	S4	S5
				RRF1	RRF2	RRF3	RRF4	RRF5
13C-PecB-101	-	-	- %	-	-	-	-	-
13C-TCB-81	1.328	0.019	1.43 %	1.30	1.32	1.33	1.35	1.34
TCB-81	1.308	0.092	7.05 %	1.33	1.25	1.18	1.38	1.40
13C-TCB-77	1.378	0.043	3.14 %	1.33	1.33	1.41	1.40	1.42
TCB-77	1.153	0.069	5.96 %	1.15	1.09	1.08	1.21	1.23
13C-PecB-123	1.075	0.046	4.31 %	1.14	1.02	1.08	1.09	1.04
PecB-123	1.705	0.107	6.25 %	1.75	1.64	1.55	1.78	1.81
13C-PecB-118	1.104	0.051	4.59 %	1.13	1.05	1.16	1.13	1.05
PecB-118/106	1.776	0.071	3.99 %	1.80	1.66	1.77	1.80	1.85
13C-PecB-114	1.150	0.055	4.77 %	1.23	1.08	1.16	1.16	1.13
PecB-114	1.799	0.098	5.46 %	1.80	1.76	1.65	1.89	1.89
13C-PecB-105	1.103	0.069	6.25 %	1.19	1.02	1.13	1.12	1.06
PecB-105/127	1.618	0.082	5.06 %	1.64	1.56	1.51	1.67	1.71
13C-PecB-126	1.207	0.048	3.98 %	1.25	1.19	1.25	1.21	1.13
PecB-126	1.330	0.061	4.55 %	1.35	1.27	1.27	1.37	1.40
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	1.228	0.072	5.84 %	1.11	1.22	1.24	1.27	1.30
HxCB-167	1.207	0.095	7.86 %	1.27	1.21	1.05	1.23	1.28
13C-HxCB-156	0.973	0.040	4.11 %	0.94	0.94	0.96	0.99	1.04
HxCB-156	1.468	0.117	7.97 %	1.52	1.39	1.30	1.55	1.58
13C-HxCB-157	1.040	0.030	2.84 %	1.02	1.02	1.03	1.05	1.09
HxCB-157	1.479	0.098	6.63 %	1.50	1.42	1.34	1.57	1.57
13C-HxCB-169	1.158	0.038	3.29 %	1.15	1.13	1.13	1.15	1.22
HxCB-169	0.978	0.066	6.75 %	0.99	0.94	0.89	1.03	1.05
13C-HpCB-180	0.811	0.030	3.74 %	0.86	0.81	0.79	0.80	0.79
HpCB-180	1.337	0.060	4.49 %	1.30	1.28	1.43	1.32	1.35
13C-HpCB-170	0.658	0.022	3.33 %	0.69	0.66	0.63	0.66	0.65
HpCB-170/190	1.617	0.055	3.41 %	1.61	1.55	1.59	1.67	1.68

13C-HpCB-189	0.909	0.043	4.74 %	0.98	0.92	0.89	0.89	0.86
HpCB-189	1.227	0.049	3.96 %	1.21	1.20	1.17	1.27	1.29
13C-DeCB-209	0.692	0.029	4.12 %	0.72	0.72	0.68	0.69	0.66
DeCB-209	1.533	0.077	4.99 %	1.56	1.52	1.41	1.59	1.59
13C-PeCB-111	1.278	0.054	4.26 %	1.25	1.36	1.30	1.21	1.28

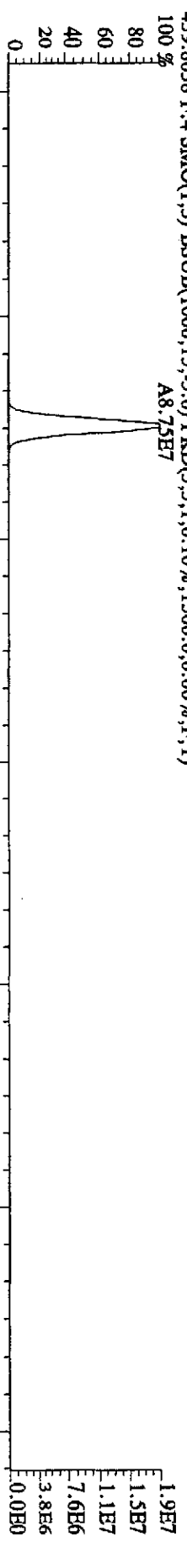
File: 23DB099D5 #1-595 Acq: 23-DEC-2009 05:56:26 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text: ST1223 :CS4 09DXN208 Exp: 209DB5  
 289.9224 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,7308,0,0,00%,F,T)  
 100%



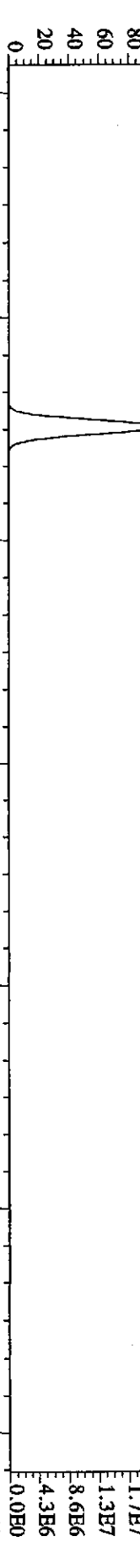
File: 23DDE099D5 #1-595 Acq: 23-DEC-2009 05:56:26 GC EI + Voltage SIR Autospec-UltimaB  
 Sample#1 Text: ST1223 :CS4 09DXN208 Exp: 209DB5  
 323.8834 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2844,0,0,00%,F,T)



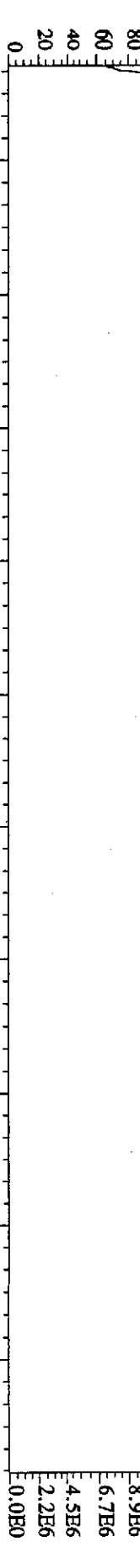
File:23DE099D5 #1-385 Acq:23-DEC-2009 05:56:26 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST1223 :CS4 09DXN208 Exp:209DB5  
 439.8038 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1500,0,0,00%,F,T)  
 100% A8.75E7



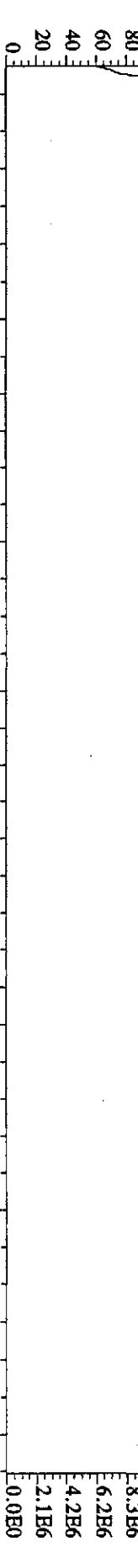
441.8008 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1048,0,0,00%,F,T)  
 100% A9.81E7



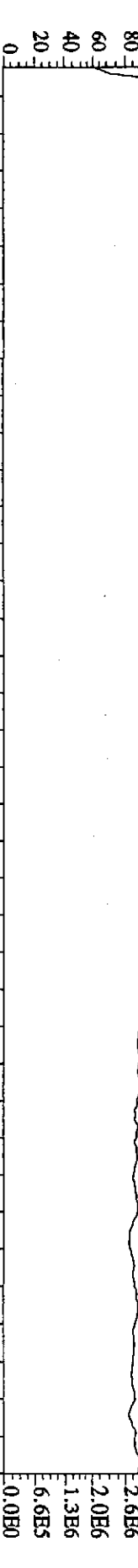
380.9760 F:3 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 22:39 23:19 23:19 24:12 25:01 25:52 26:31 27:36 28:31 29:49 30:35 31:35 32:22



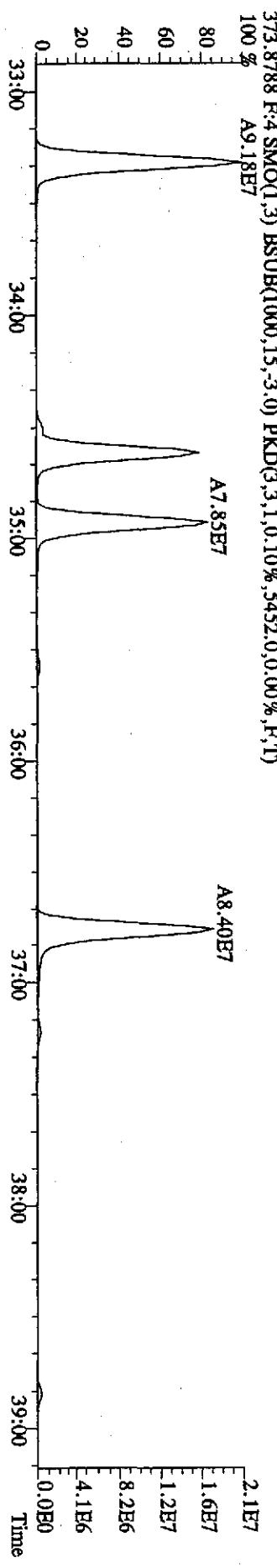
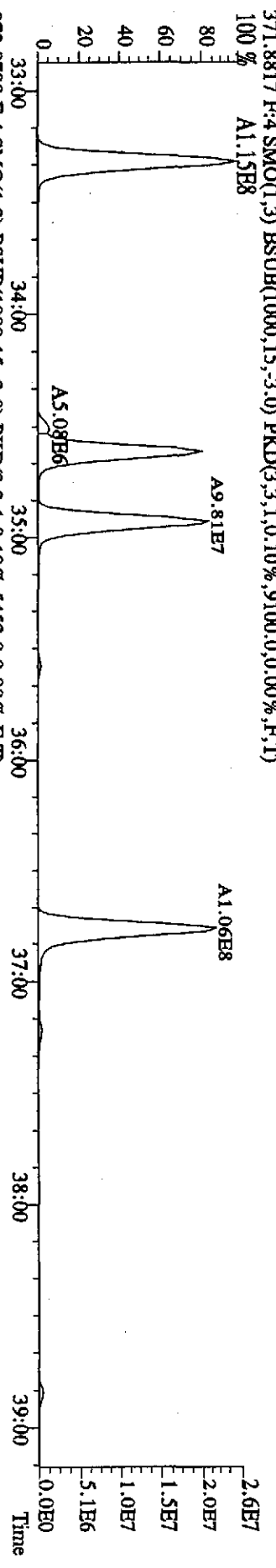
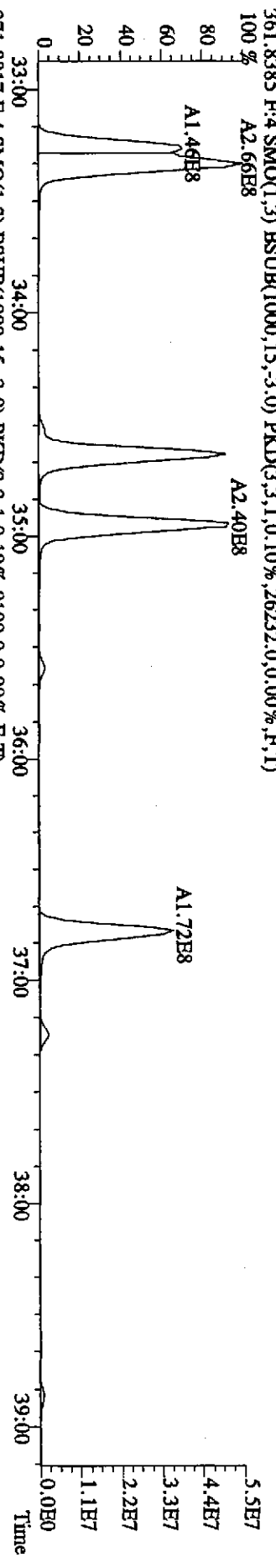
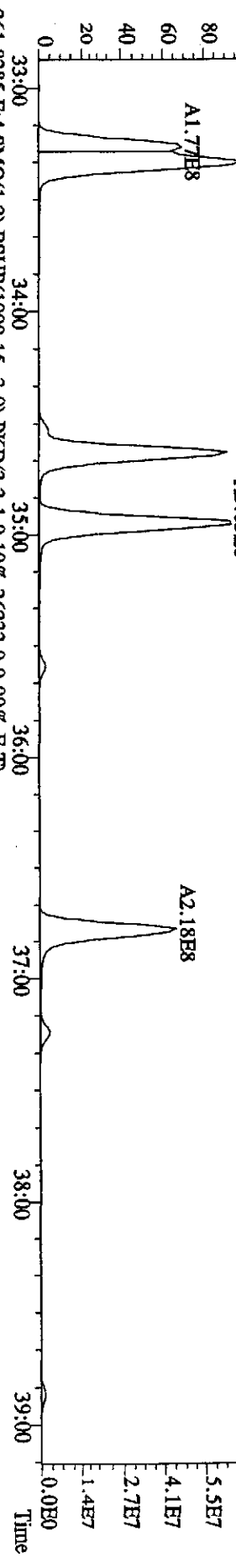
380.9760 F:4 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 33:06 33:28 33:56 34:28 34:50 35:25 35:46 36:23 37:02 37:22 37:48 38:29 38:54



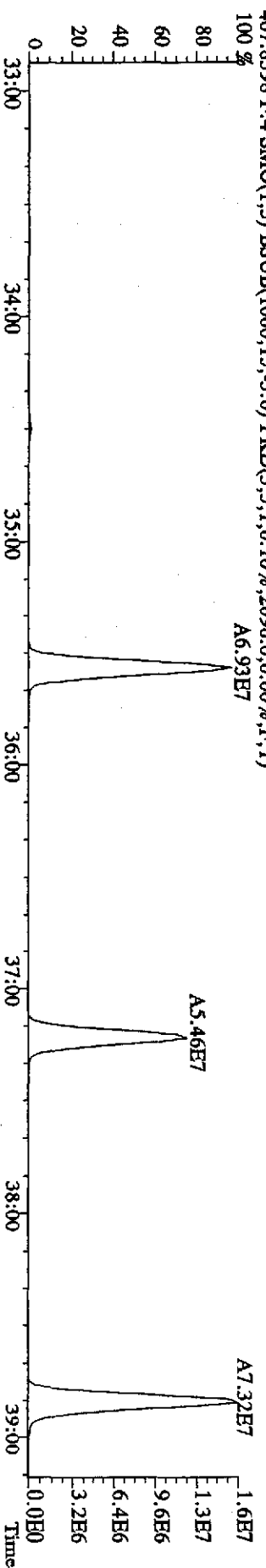
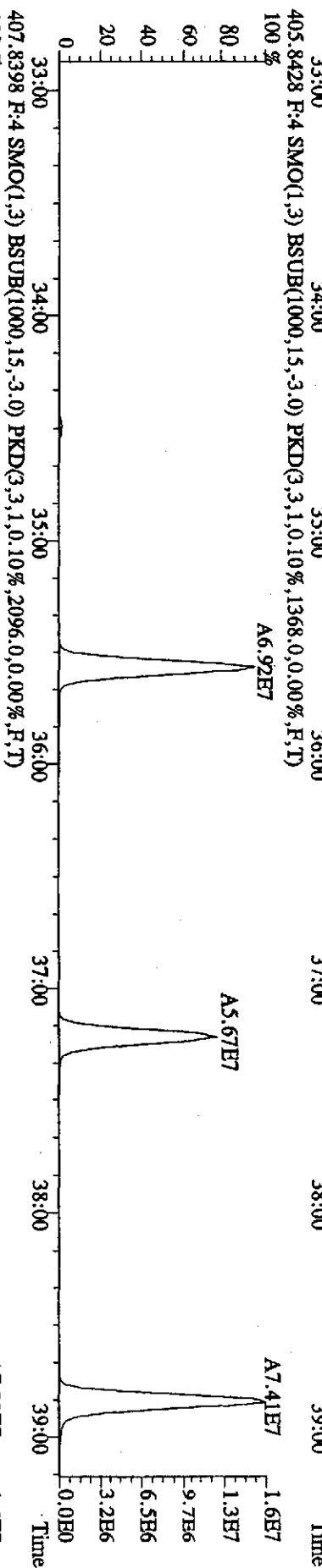
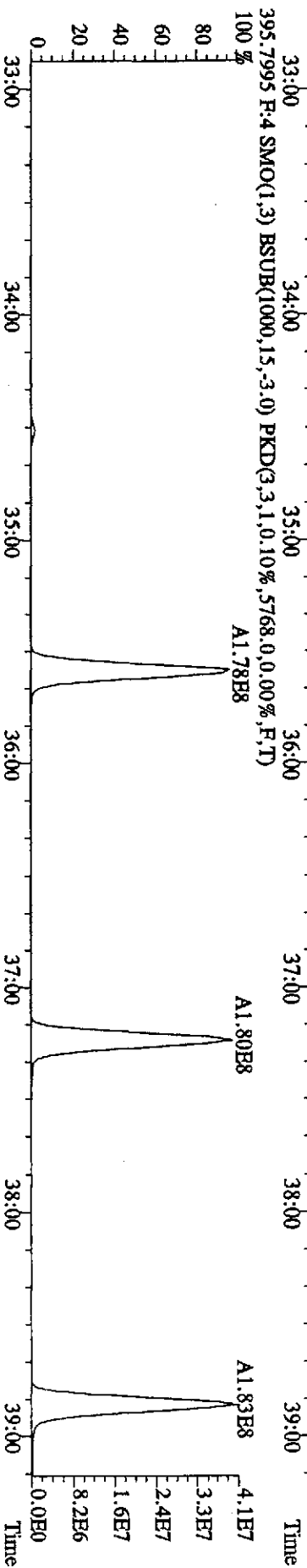
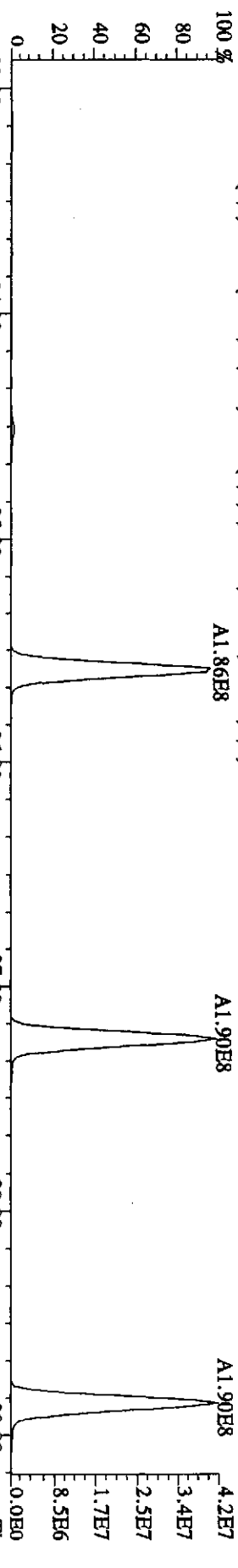
480.9696 F:5 SMO(1,5) PKD(5,1,5,100,00%,0,0,0,00%,F,F)  
 100% 39:33 40:07 40:31 41:03 41:26 41:52 42:22 42:54 43:27 43:57 44:18 44:45 45:19



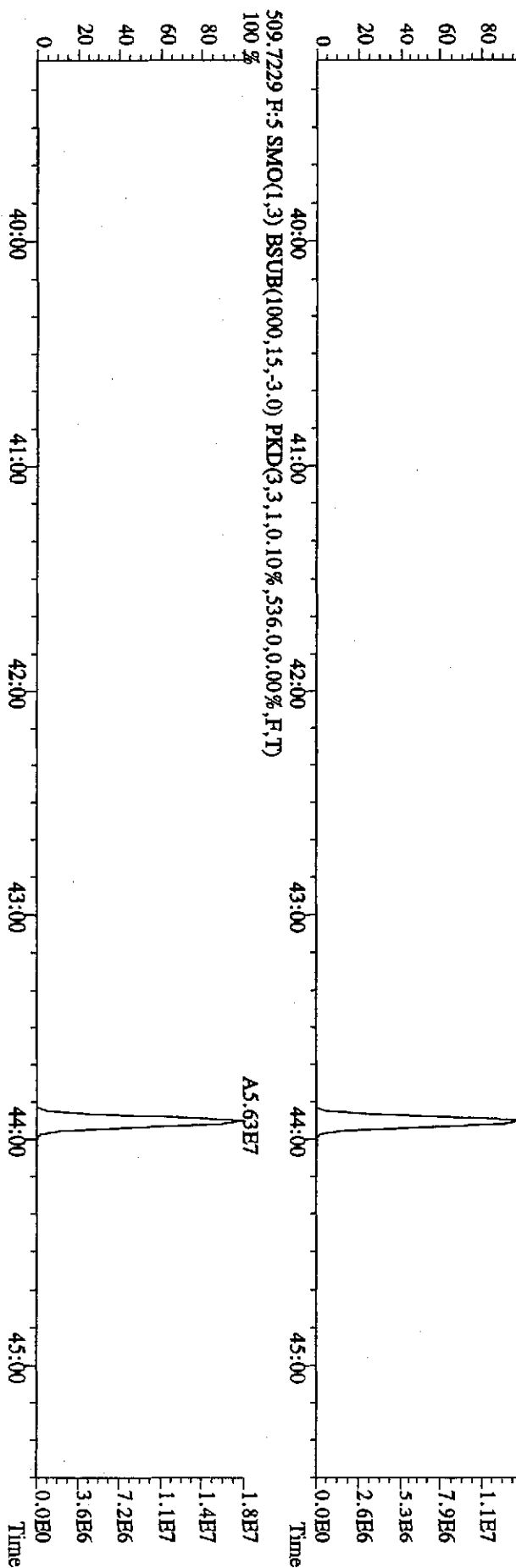
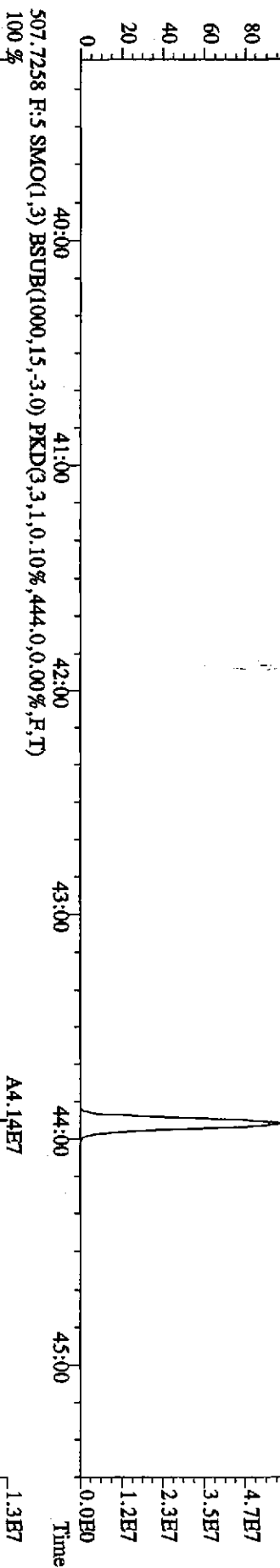
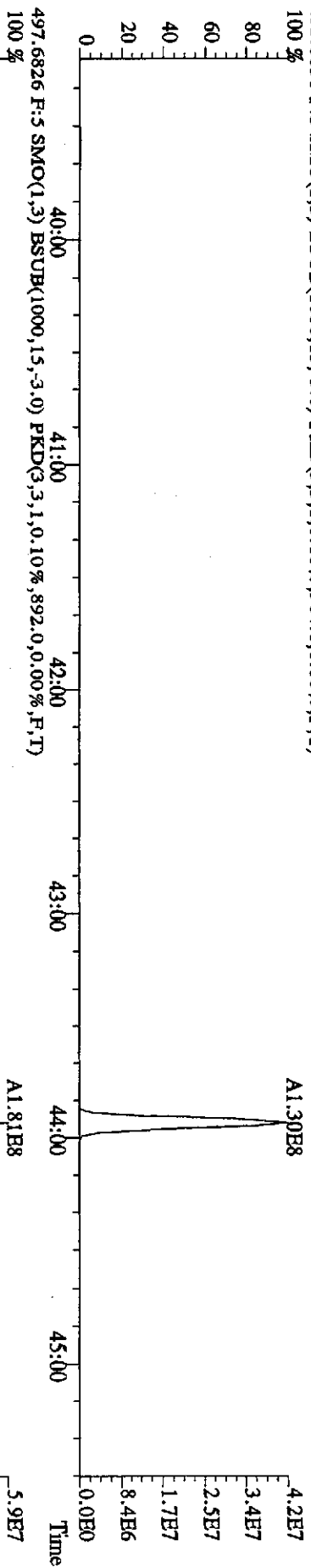
File: 23DBE09D5 #1-385 Acq: 23-DEC-2009 05:56:26 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text: ST1223 :CS4 09DXN208 Exp: 209DB5  
 359.8415 F:4.SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,30212,0,0,00%,F,T)  
 100% A3.36E8







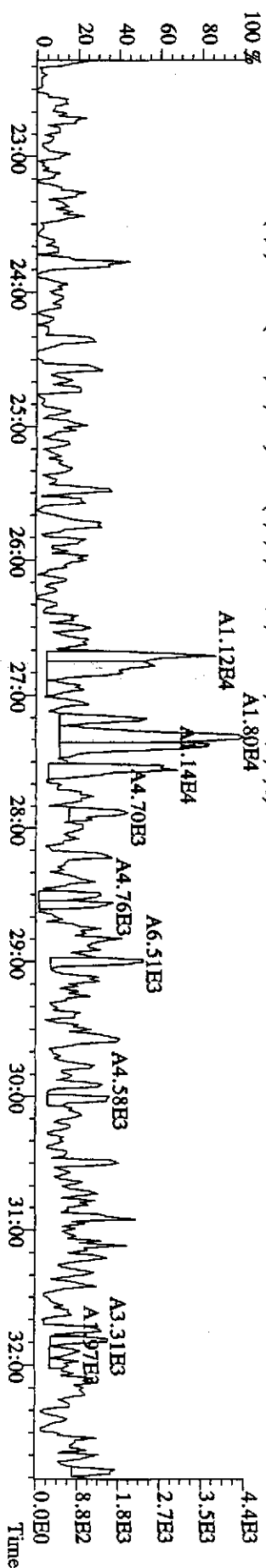
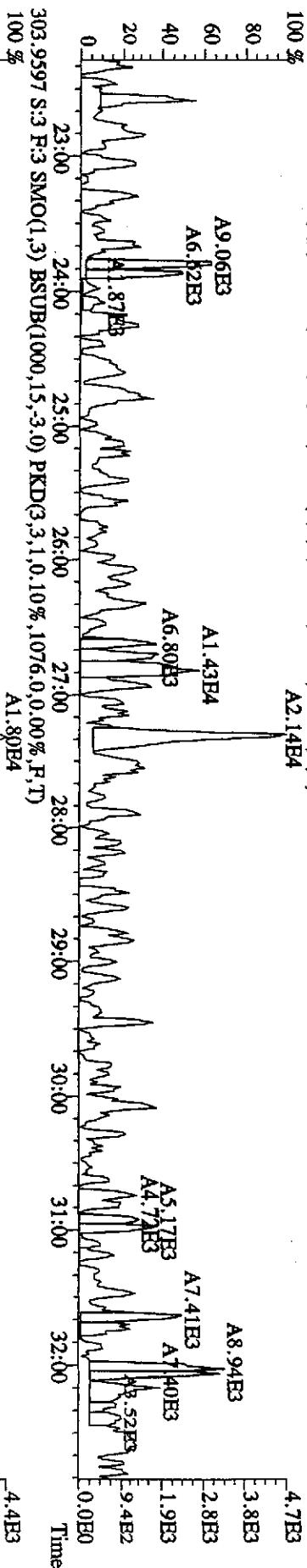
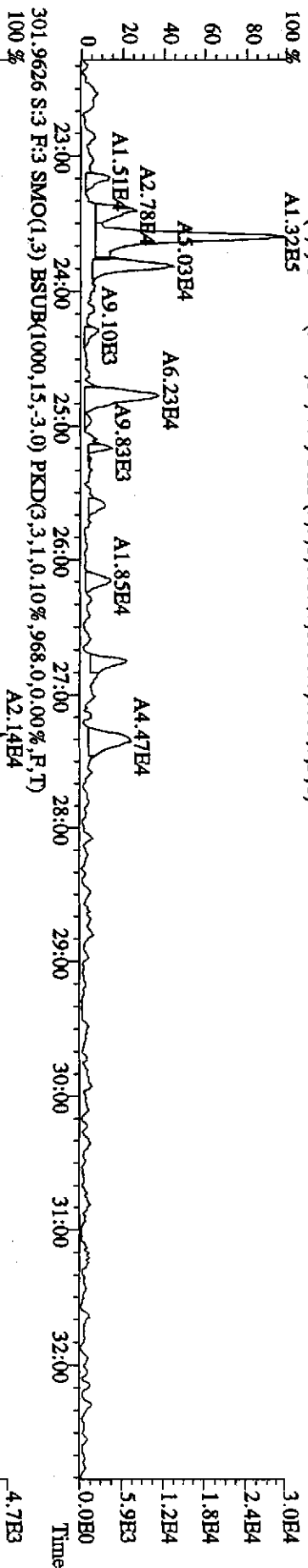
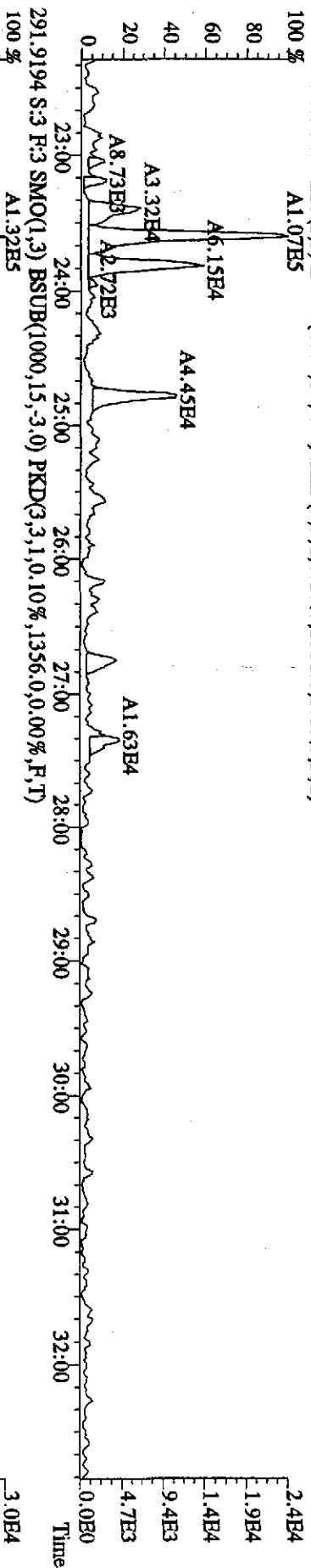
File:23DE099D5 #1-419 Acq:23-DEC-2009 05:56:26 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST1223 :CS4 09DXN208 Exp:209DB5  
 495.6856 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,964.0,0.00%,F,T) 100 %



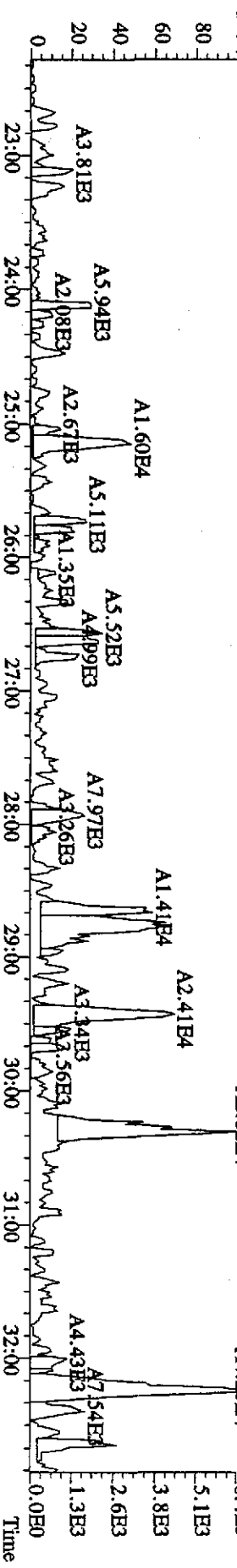
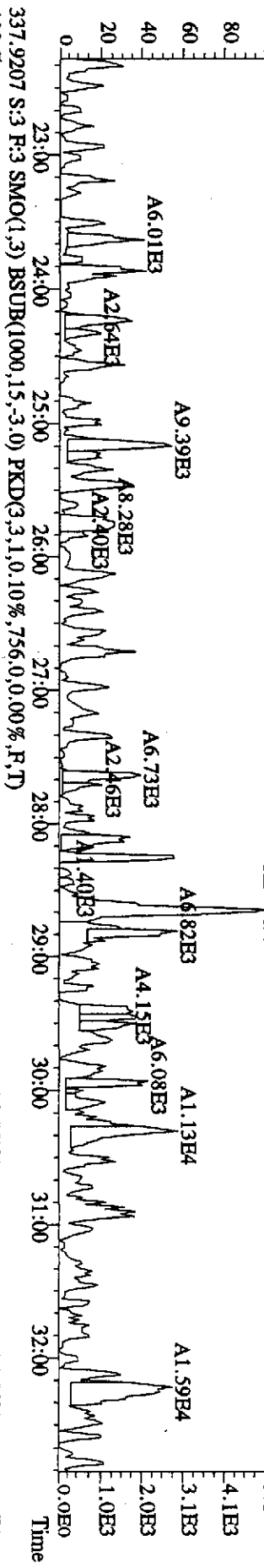
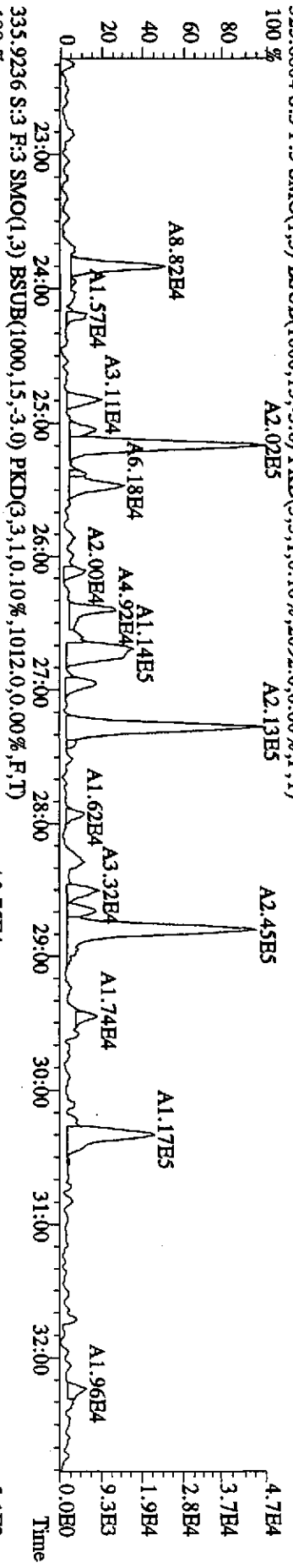
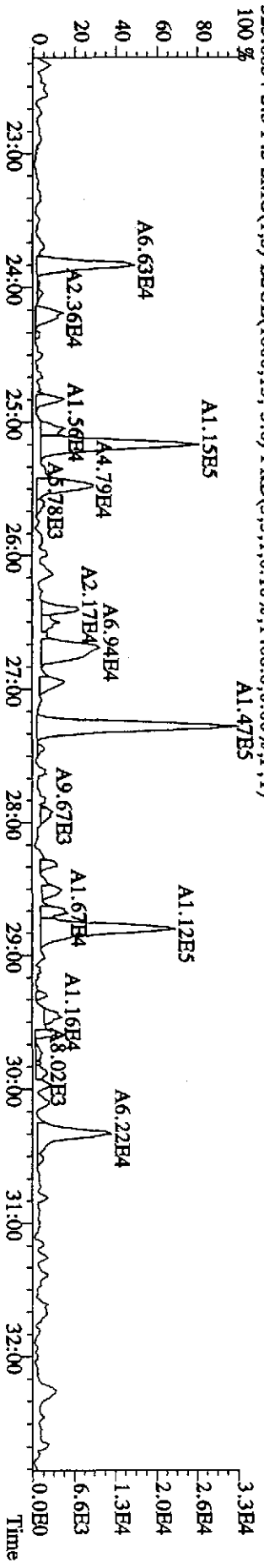
File:23DDE099D5 #1-595 Acq:23-DEC-2009 07:41:48 GC EI+ Voltage SIR Autospec-UltimaB

Sample#3 Text:SB1223 :Solvent Blank C-12 Exp:209DB5

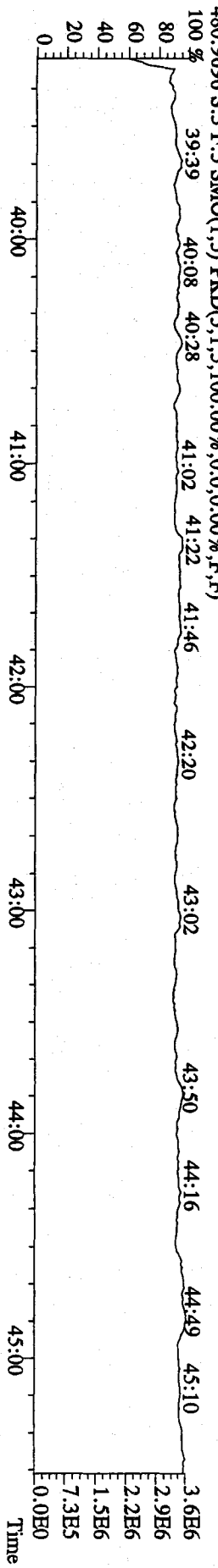
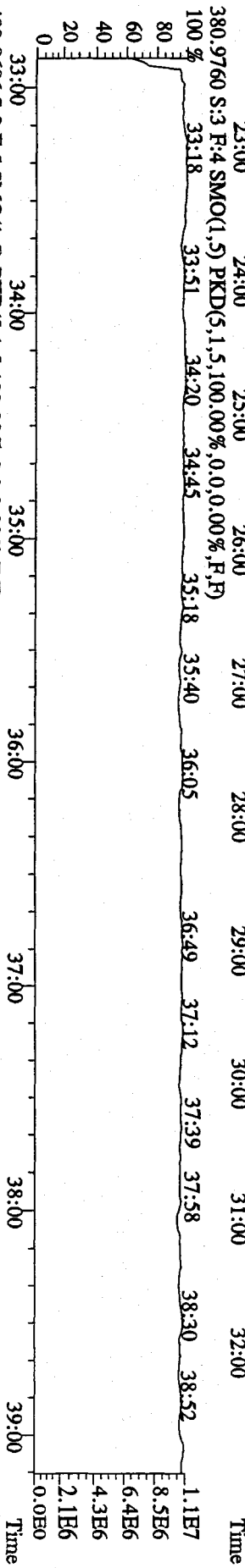
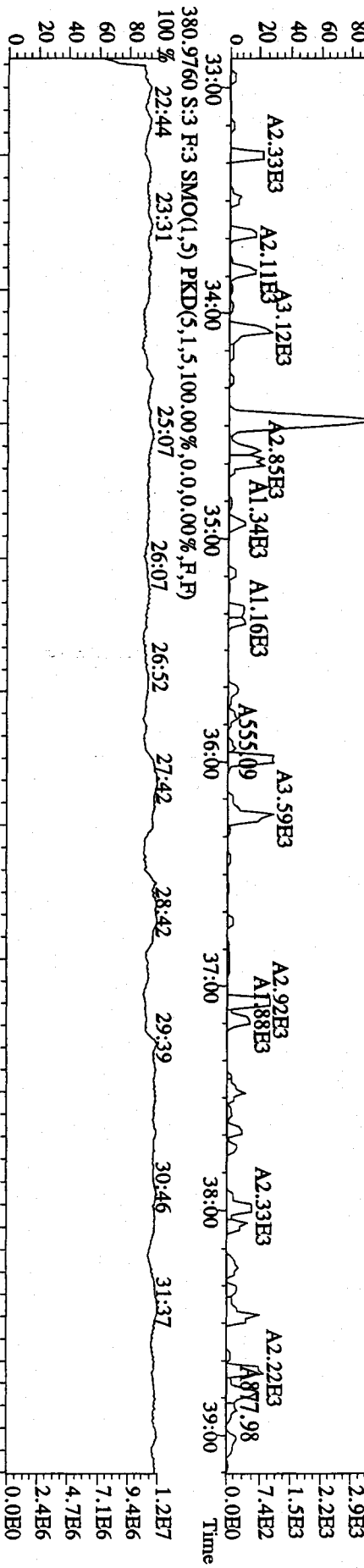
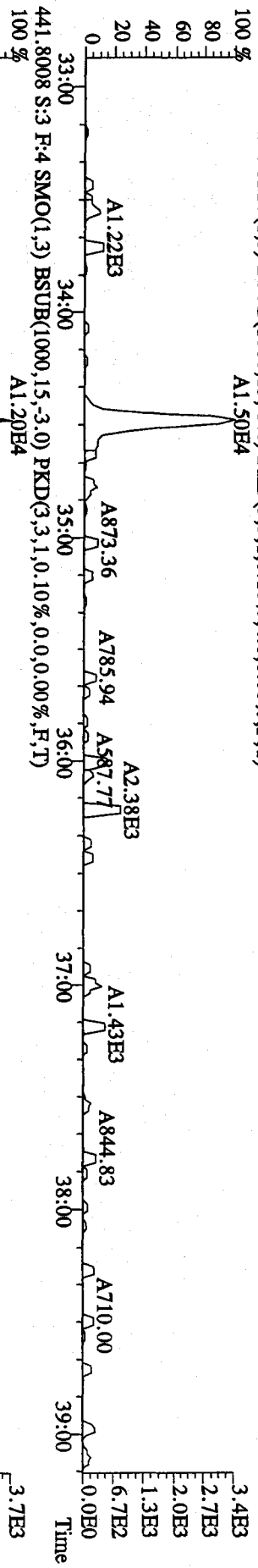
289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1300,0,0.00%,F,T)  
100% A1.07E5



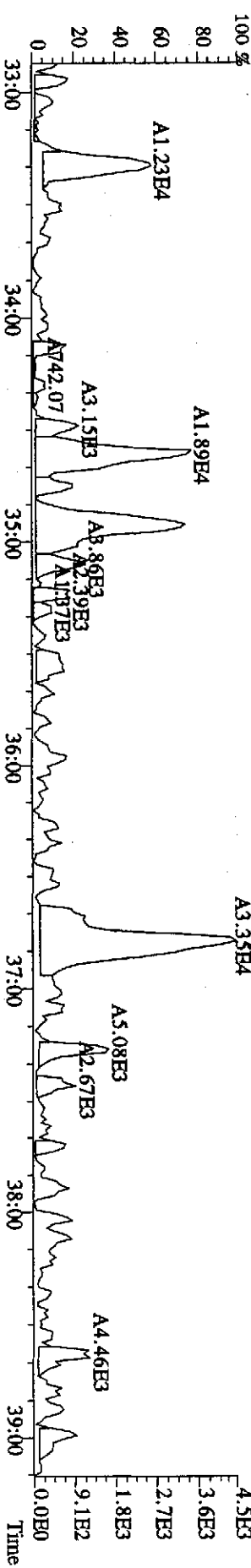
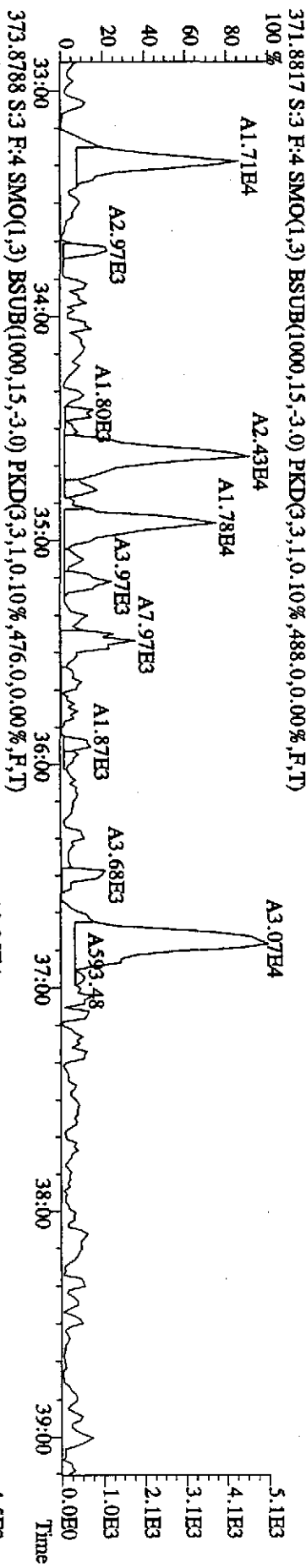
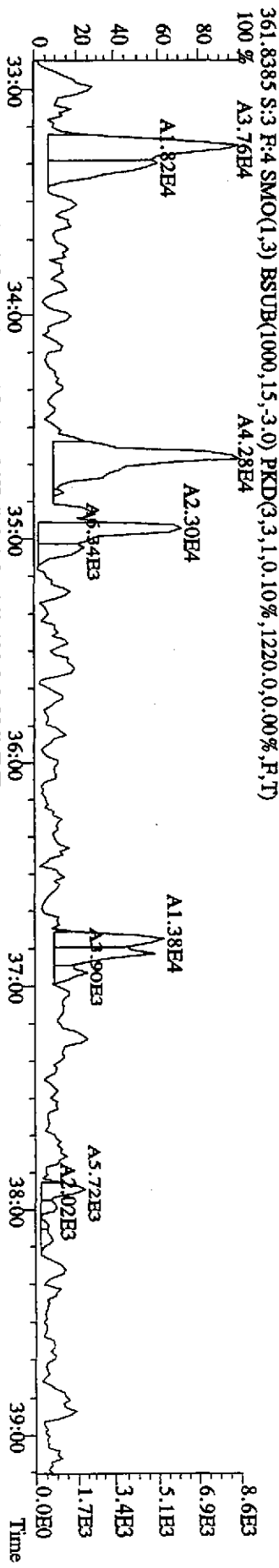
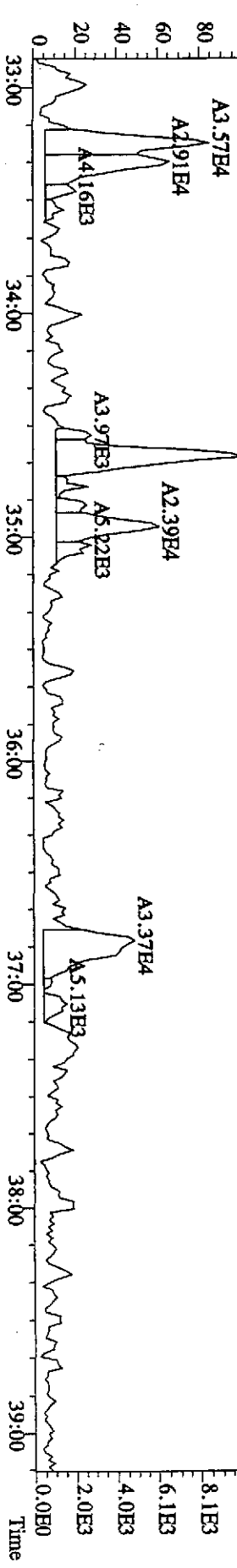
File:23DE099D5 #1-595 Acq:23-DEC-2009 07:41:48 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:SB1223 .Solvent Blank C-12 Exp:209DB5  
 325.8834 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1408,0.00%,F,T) A1.47B5



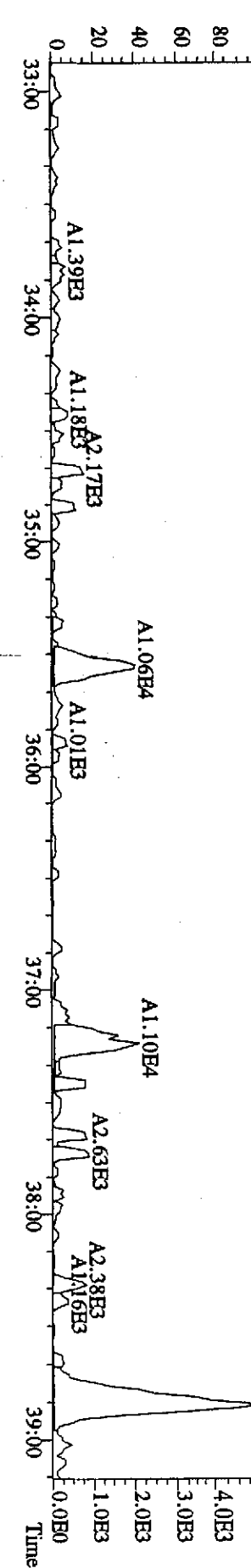
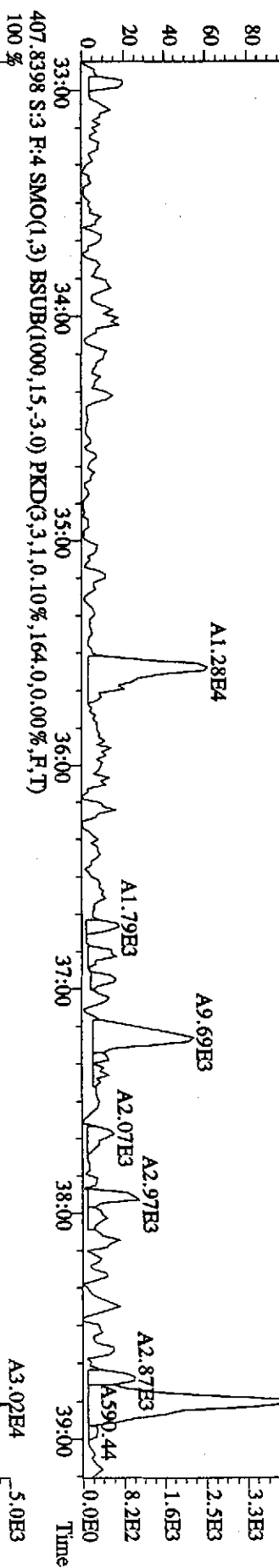
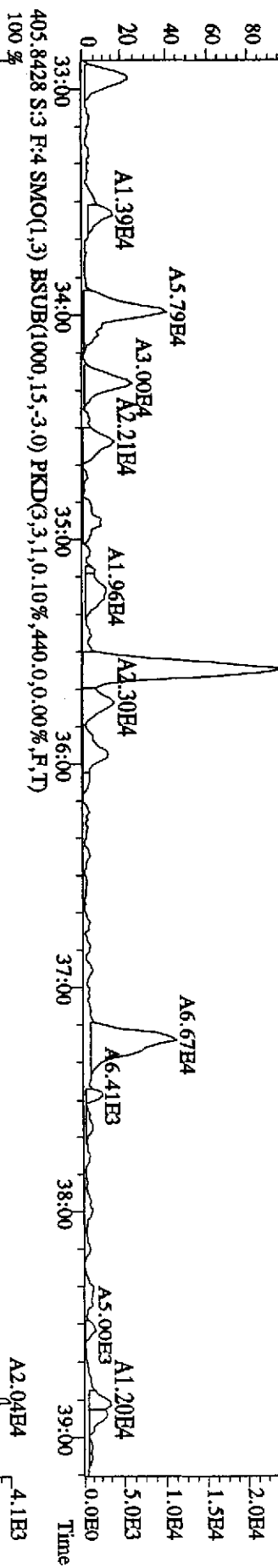
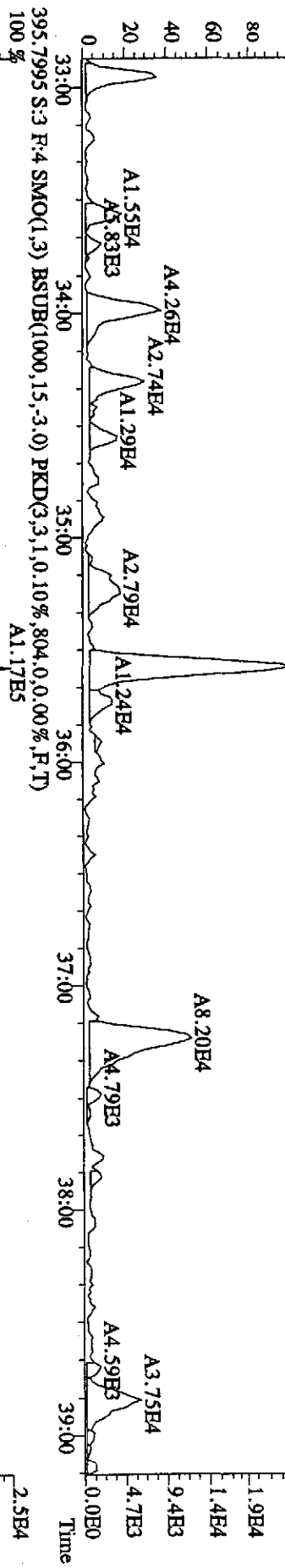
Sample#3 Text: SB1223 : Solvent Blank C-12 Exp: 209DB5  
 439.8038 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4,0,0.00%,F,T)  
 A1.50E4



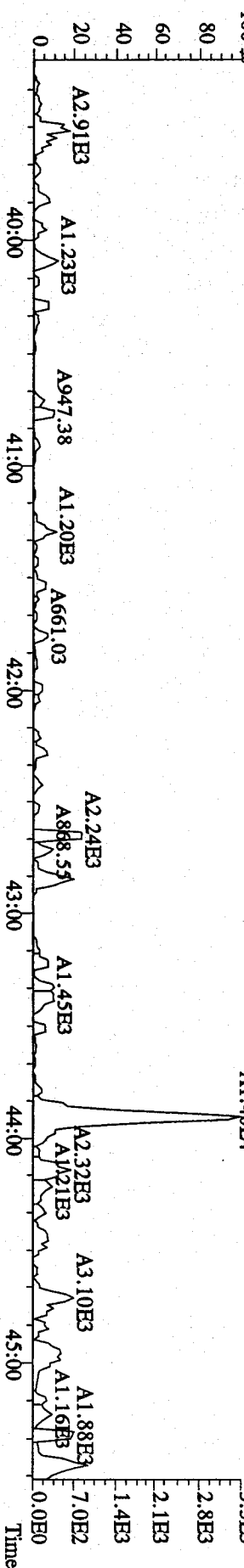
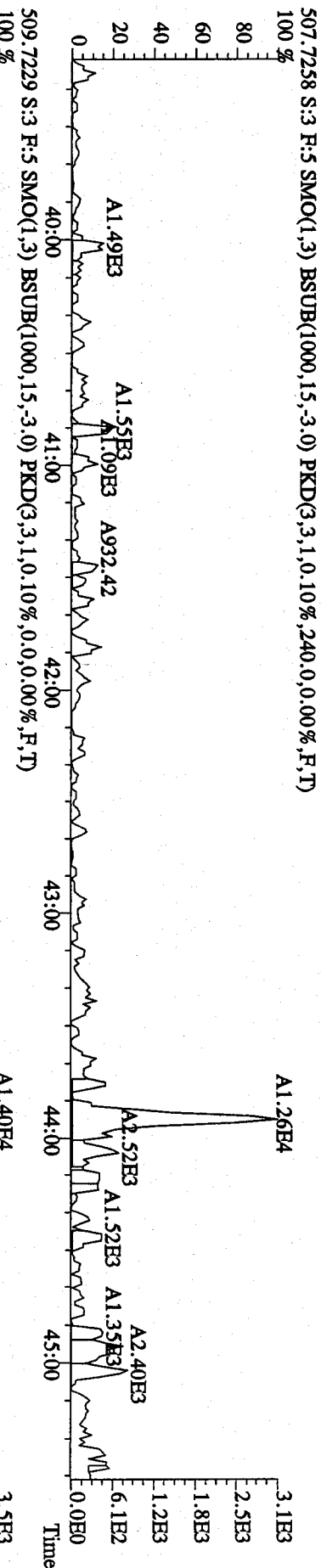
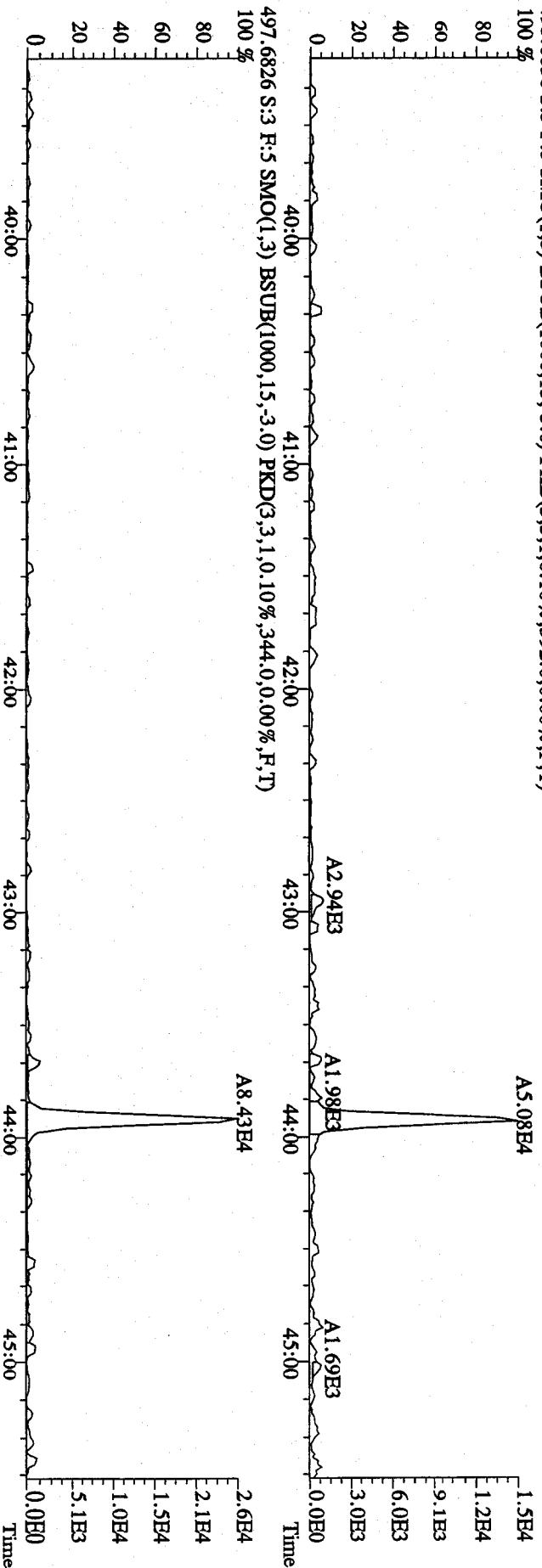
File: 23DBE099D5 #1-385 Acq: 23-DEC-2009 07:41:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text: SB1223 : Solvent Blank C-12 Exp: 209DB5  
 359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1172,0,0,00%,F,T)



File:23DE099D5 #1-385 Acq:23-DEC-2009 07:41:48 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:SB1223 Solvent Blank C-12 Exp:209DB5  
 393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,792.0,0.00%,F,T) A1.13E5



File: 23DE099D5 #1-420 Acq: 23-DEC-2009 07:41:48 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text: SB1223 : Solvent Blank C-12 Exp: 209DB5  
 495.6856 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,392.0,0.00%,F,T)  
 100 %





Method ID 1668M (Short List + Deca)

Column ID DB5

STD ID ST1222D

Analyzed by M.G., S.M.A.

Std. Pkg. By M.G.

Std. Pkg. Reviewed By M.G.

Associated ICAL 1668M SLDEC121609905

Instrument ID 905

STD Solution 090XN208

Date Analyzed 12/24/09

Date Std. Pkg. Assembled 12/28/09

Date Std. Pkg. Reviewed 12/28/09

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- \* **Method 1668A (PCBs):** ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.
- Method 1614 (DBDs/DBFs):** ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).
- \*\* **Method 1668A (PCBs):** resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).
- Method 1614 (DBDs/DBFs):** a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Run text: ST1223D File text: ST1223D :CS4 09DXN208  
 Run #30 Filename 23DE099D5 S: 32 I: 1  
 Acquired: 24-DEC-09 08:32:33 Processed: 24-DEC-09 09:50:18  
 Run: 23DE099D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC1216099D5 Results: 23DE099D51668MSLDEC

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-PeCB-101	124560300	0.65 y	25:08	-	100.00	-	n
13C-TCB-81	141828900	0.80 y	26:42	1.14	100.00	-14.2	n
TCB-81	400080000	0.76 y	26:43	1.41	200.00	7.8	n
13C-TCB-77	144007200	0.80 y	27:15	1.16	100.00	-16.1	n
TCB-77	364993000	0.74 y	27:16	1.27	200.00	9.9	n
13C-PeCB-123	133308100	0.65 y	28:37	1.07	100.00	-0.4	n
PeCB-123	421371000	0.59 y	28:38	1.58	200.00	-7.3	n
13C-PeCB-118	143192600	0.66 y	28:46	1.15	100.00	4.1	n
PeCB-118/106	462568000	0.60 y	28:47	1.62	200.00	-9.1	n
13C-PeCB-114	139909800	0.65 y	29:24	1.12	100.00	-2.3	n
PeCB-114	475658000	0.59 y	29:26	1.70	200.00	-5.5	n
13C-PeCB-105	136553400	0.66 y	30:17	1.10	100.00	-0.6	n
PeCB-105/127	409692000	0.60 y	30:18	1.50	200.00	-7.3	n
13C-PeCB-126	147902300	0.64 y	32:11	1.19	100.00	-1.6	n
PeCB-126	364153000	0.60 y	32:12	1.23	200.00	-7.4	n
13C-OcCB-202	131121600	0.91 y	34:28	-	100.00	-	n
13C-HxCB-167	137625900	1.25 y	33:18	1.05	100.00	-14.6	n
HxCB-167	371527000	1.24 y	33:19	1.35	200.00	11.8	n
13C-HxCB-156	112412100	1.28 y	34:36	0.86	100.00	-11.9	n
HxCB-156	347545000	1.25 y	34:37	1.55	200.00	5.3	n
13C-HxCB-157	116042400	1.26 y	34:54	0.88	100.00	-14.9	n
HxCB-157	358209000	1.25 y	34:55	1.54	200.00	4.4	n
13C-HxCB-169	124705600	1.25 y	36:45	0.95	100.00	-17.9	n
HxCB-169	257333000	1.25 y	36:46	1.03	200.00	5.5	n
13C-HpCB-180	95714200	1.02 y	35:33	0.73	100.00	-10.0	n
HpCB-180	249718000	1.04 y	35:34	1.30	200.00	-2.4	n
13C-HpCB-170	77009900	1.03 y	37:11	0.59	100.00	-10.8	n
HpCB-170/190	248006000	1.03 y	37:12	1.61	200.00	-0.4	n
13C-HpCB-189	101906100	1.00 y	38:49	0.78	100.00	-14.5	n
HpCB-189	252350000	1.03 y	38:50	1.24	200.00	0.9	n
13C-DeCB-209	81280500	0.75 y	43:54	0.62	100.00	-10.5	n
DECB-209	252350000	0.72 y	43:55	1.55	200.00	1.3	n
13C-PeCB-111	176038200	0.64 y	26:35	1.27	100.00	-0.3	n

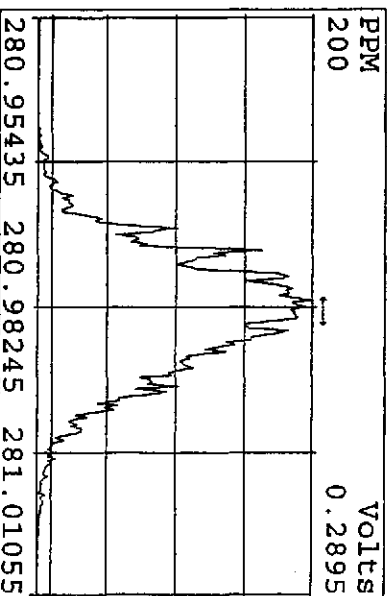
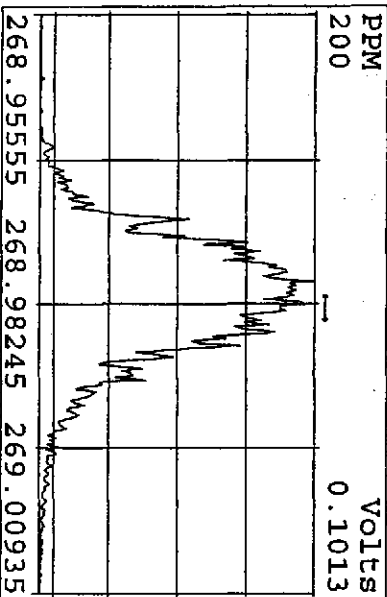
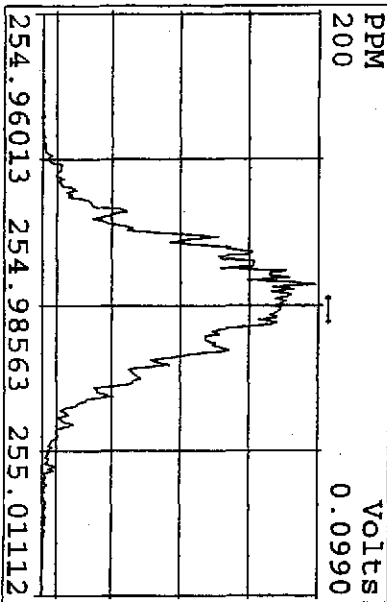
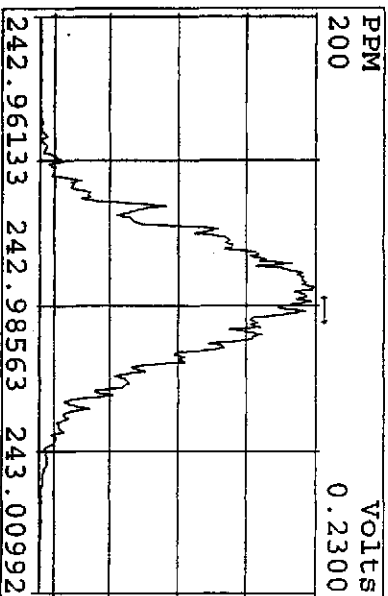
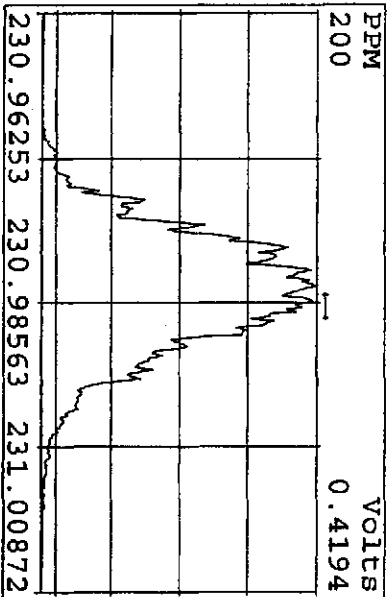
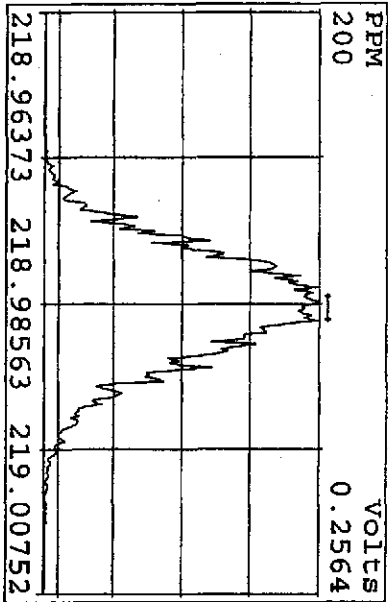
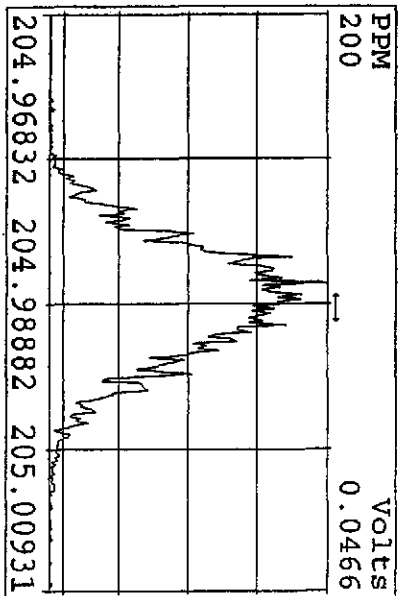
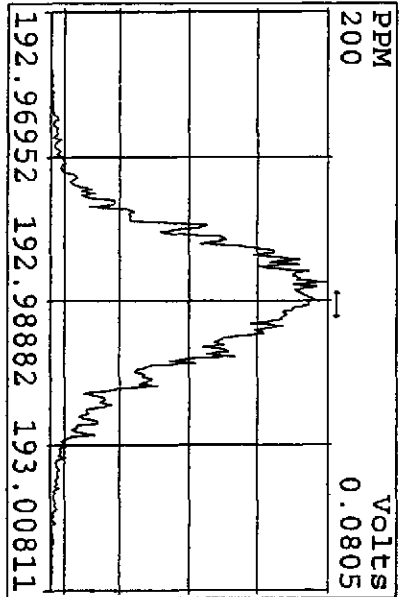
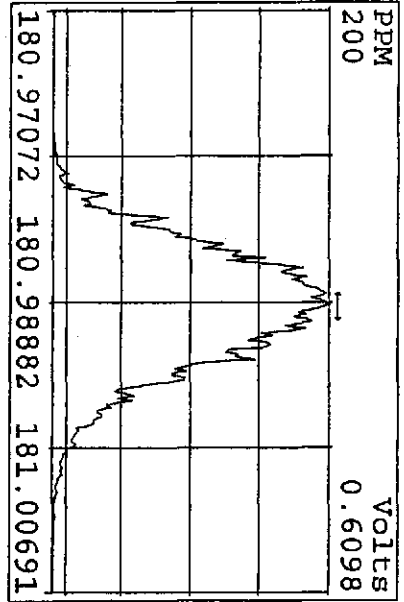
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23DE099D5	3	SB1223	Solvent Blank C-12				1.00000	
23DE099D5	4	LQFNE-1-AA	G9L030000-330B	20	1668/AIR	51	0.50000	Sam
23DE099D5	5	LQFNE-1-AC	G9L030000-330C	20	1668/AIR		0.50000	Sam
23DE099D5	6	LQADT-1-AD	F9L010476-5 RI	20	1668/SOLID	53	10.25500	g
23DE099D5	7	ST1223B	CS3- 09DXN343				1.00000	
23DE099D5	8	SB1223A	Solvent Blank C-12				1.00000	
23DE099D5	9	LPVPX-1-ACC	F9K110437-8LCS RI	20	1668/WATER	37	1.00000	L
23DE099D5	10	LQADV-1-AD	F9L010476-6 RI	20	1668/SOLID	53	10.23500	g
23DE099D5	11	LQAD8-1-AC	F9L010476-11 RI	20	1668/SOLID		10.25000	g
23DE099D5	12	LQADX-1-AD	F9L010476-7 (3X)	20	1668/SOLID		10.08000	g
23DE099D5	13	LQAD0-1-AD	F9L010476-8 (3X)	20	1668/SOLID		10.02500	g
23DE099D5	14	LQAD1-1-AD	F9L010476-9 (3X)	20	1668/SOLID		10.10000	g
23DE099D5	15	LQAD2-1-AD	F9L010476-10 (3X)	20	1668/SOLID		10.00000	g
23DE099D5	16	SB1223B	Solvent Blank C-12				1.00000	
23DE099D5	17	ST1223C	CS4 09DXN208				1.00000	
23DE099D5	18	SB1223C	Solvent Blank C-12				1.00000	
23DE099D5	19	LQFW7-1-AE	F9L030474-4 (3X)	20	1668/SOLID	56	10.09000	g
23DE099D5	20	LQFW8-1-AE	F9L030474-5 (3X)	20	1668/SOLID		10.30000	g
23DE099D5	21	LQFW8-1-AL	F9L030474-5S (3X)	20	1668/SOLID		10.35000	g
23DE099D5	22	LQFW8-1-AM	F9L030474-5D (3X)	20	1668/SOLID		10.18000	g
23DE099D5	23	LQFXJ-1-AE	F9L030474-6 (3X)	20	1668/SOLID	56	10.28000	g
23DE099D5	24	LQFXR-1-AE	F9L030474-7 (3X)	20	1668/SOLID		10.00000	g
23DE099D5	25	LQFX3-1-AE	F9L030474-10 (3X)	20	1668/SOLID		10.00500	g
23DE099D5	26	LQFX6-1-AE	F9L030474-11 (3X)	20	1668/SOLID		10.37000	g
23DE099D5	27	LQF0C-1-AE	F9L030474-12 (3X)	20	1668/SOLID		10.19000	g
23DE099D5	28	LQF0G-1-AE	F9L030474-13 (3X)	20	1668/SOLID		10.43500	g
23DE099D5	29	LQF0K-1-AE	F9L030474-14 (3X)	20	1668/SOLID		10.15000	g
23DE099D5	30	LQFW3-1-AE	F9L030474-2 (5X)	20	1668/SOLID		10.20000	g
23DE099D5	31	SB1223D	Solvent Blank C-12				1.00000	
23DE099D5	32	ST1223D	CS4 09DXN208				1.00000	
23DE099D5	33	SB1222E	Solvent Blank C-12				1.00000	
23DE099D5	34	LQFW4-1-AE	F9L030474-3 (5X)	20	1668/SOLID	56	10.00000	g
23DE099D5	35	LQFX1-1-AE	F9L030474-8 (10X)	20	1668/SOLID		10.23500	g
23DE099D5	36	LQFX2-1-AE	F9L030474-9 (10X)	20	1668/SOLID		10.13500	g
23DE099D5	37	LQALR-1-AA	G9L010507-2 (5X)	20	1668/AIR	51	0.50000	Sam
23DE099D5	38	LQKH5-1-AD	G9L040643-1 (10X)	20	1668/SOLID	58	10.59000	g
23DE099D5	39	LQWWD-1-AC	G9L080461-1LCS	20	1668/SOLID	62	10.00000	g
23DE099D5	40	LQWWD-1-AA	G9L080461-1MB	20	1668/SOLID		10.00000	g
23DE099D5	41	LQPM6-1-AD	G9L080555-1	20	1668/SOLID		10.01000	g
23DE099D5	42	LQK4V-1-AE	F9L050438-1	20	1668/SOLID	57	10.48000	g
23DE099D5	43	LQK50-1-AE	F9L050438-2	20	1668/SOLID		10.06000	g
23DE099D5	44	LQK54-1-AE	F9L050438-3	20	1668/SOLID		10.14500	g
23DE099D5	45	LQK57-1-AE	F9L050438-4	20	1668/SOLID		10.46000	g
23DE099D5	46	SB1223F	Solvent Blank C-12				1.00000	
23DE099D5	47	ST1223E	CS4 09DXN208				1.00000	
23DE099D5	48	SB1222G	Solvent Blank C-12				1.00000	
23DE099D5	49	LQDD-1-AA	F9L050438-1MB	20	1668/SOLID	57	10.00000	g
23DE099D5	50	LQDD-1-AC	F9L050438-1LCS	20	1668/SOLID		10.00000	g
23DE099D5	51	LQK6C-1-AE	F9L050438-5	20	1668/SOLID		10.20500	g
23DE099D5	52	LQK6E-1-AE	F9L050438-6	20	1668/SOLID		10.26500	g
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reviewed to #45  
by MS 12/28/09

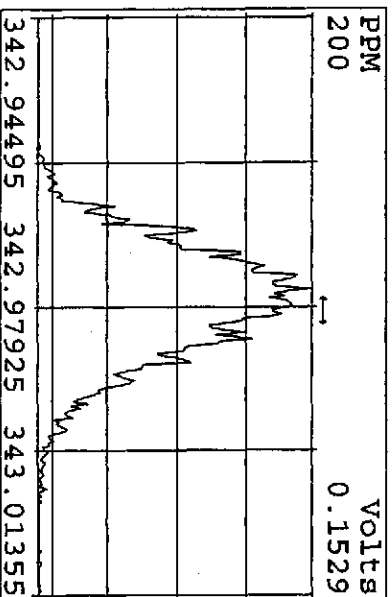
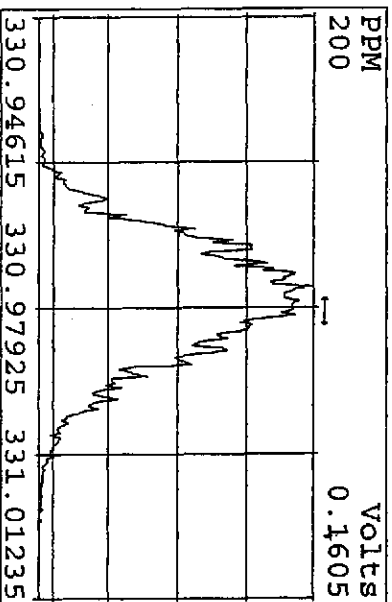
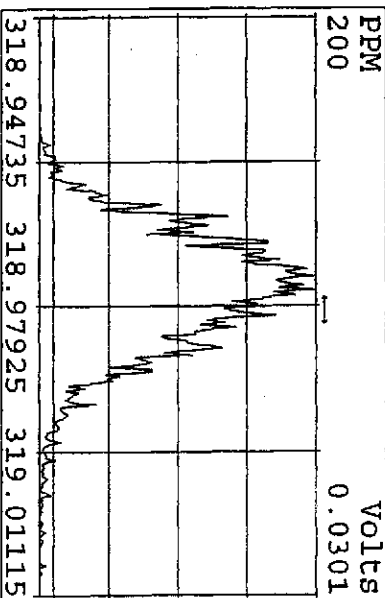
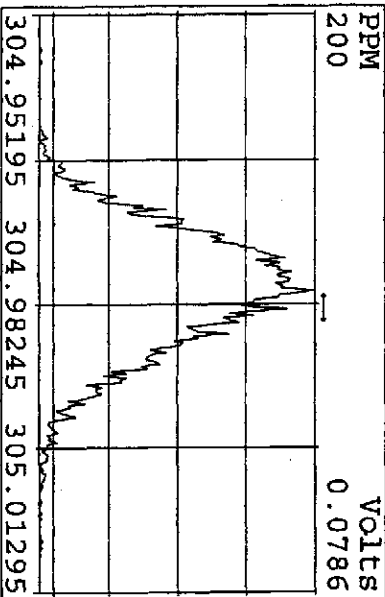
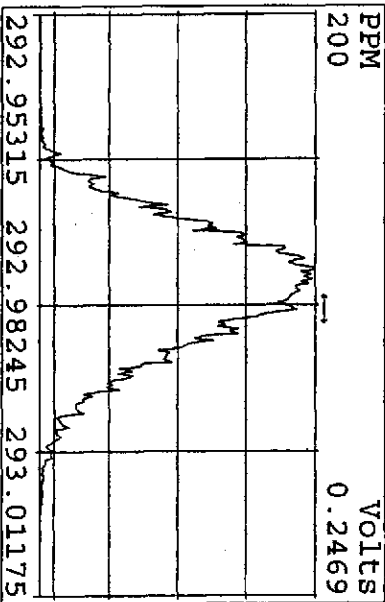
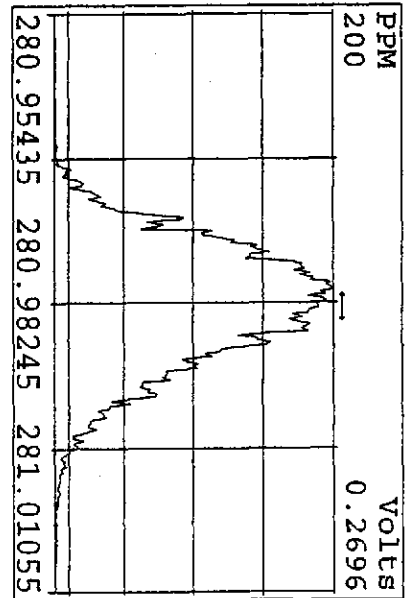
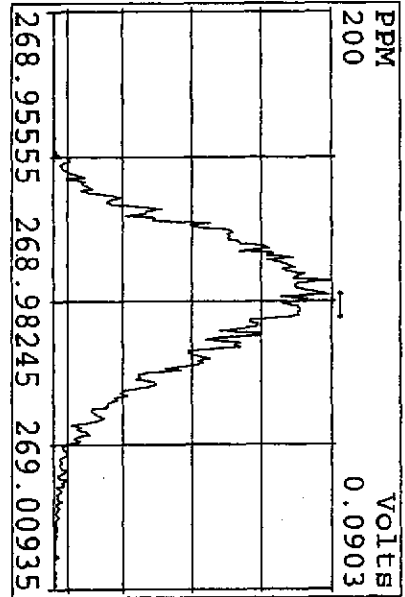
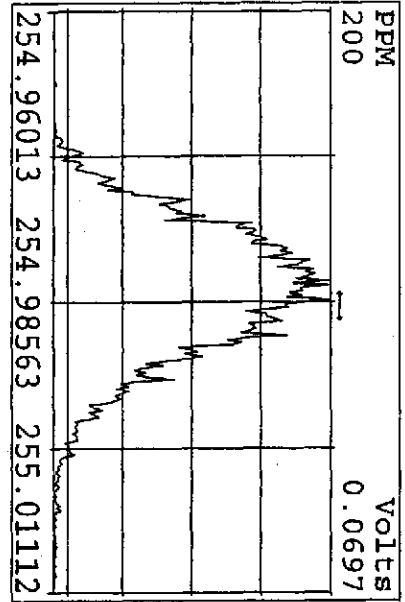
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23DE099D5	56	LQK6X-1-AE	F9L050438-10	20	1668/SOLID		10.09500 g
23DE099D5	57	LQK61-1-AE	F9L050438-11	20	1668/SOLID		10.24000 g
23DE099D5	58	LQK63-1-AE	F9L050438-13	20	1668/SOLID		10.13000 g
23DE099D5	59	LQK63-1-AL	F9L050438-13S	20	1668/SOLID		10.15500 g
23DE099D5	60	LQK63-1-AM	F9L050438-13D	20	1668/SOLID		10.48500 g
23DE099D5	61	SB1223H	Solvent Blank C-12				1.00000
23DE099D5	62	ST1223F	CS4 09DXN208				1.00000
23DE099D5	63	SB1222I	Solvent Blank C-12				1.00000
23DE099D5	64	LQK62-1-AE	F9L050438-12	20	1668/SOLID	57	10.29000 g
23DE099D5	65	LQK67-1-AE	F9L050438-14	20	1668/SOLID		10.21500 g
23DE099D5	66	LQNWH-1-AC	F9L080461-1	20	1668/SOLID	62	10.10000 g
23DE099D5	67	LQNWQ-1-AC	F9L080461-2	20	1668/SOLID		10.07000 g
23DE099D5	68	LQNWT-1-AC	F9L080461-3	20	1668/SOLID		10.09500 g
23DE099D5	69	LQNWV-1-AC	F9L080461-4	20	1668/SOLID		10.35000 g
23DE099D5	70	LQNWW-1-AC	F9L080461-5	20	1668/SOLID		10.13000 g
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23DE099D5	72	LQNW2-1-AC	F9L080461-7	20	1668/SOLID		10.09500 g
23DE099D5	73	LQNW5-1-AC	F9L080461-8	20	1668/SOLID		10.12500 g
23DE099D5	74	LQNXC-1-AC	F9L080461-9	20	1668/SOLID		10.02000 g
23DE099D5	75	LQNXE-1-AC	F9L080461-10	20	1668/SOLID		10.15000 g
23DE099D5	76	LQNXG-1-AC	F9L080461-11	20	1668/SOLID		10.33500 g
23DE099D5	77	SB1222J	Solvent Blank C-12				1.00000
23DE099D5	78						1.00000
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23DE099D5	81						1.00000

MG, SMA 12/23/09

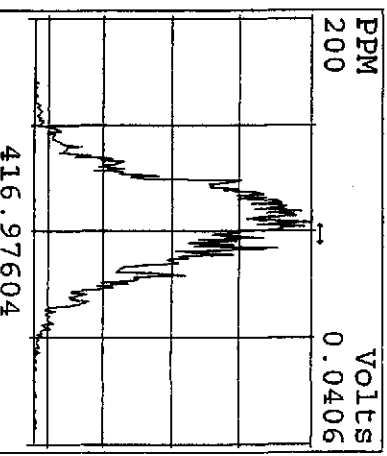
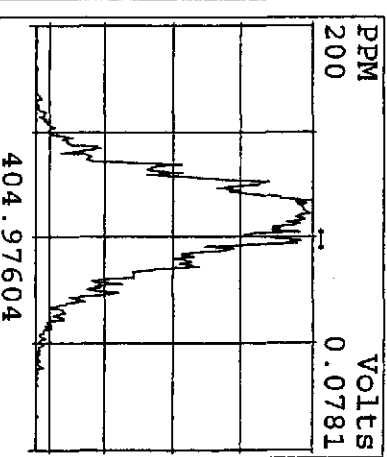
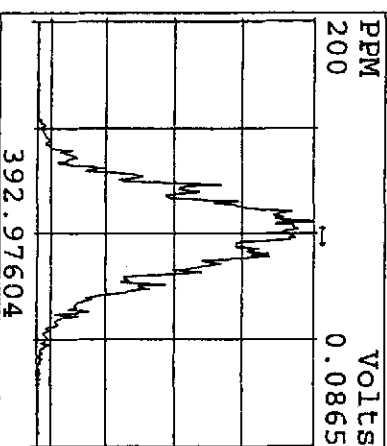
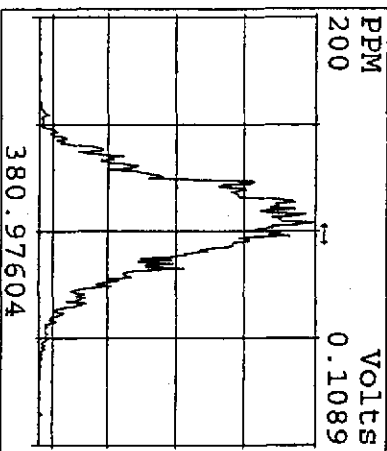
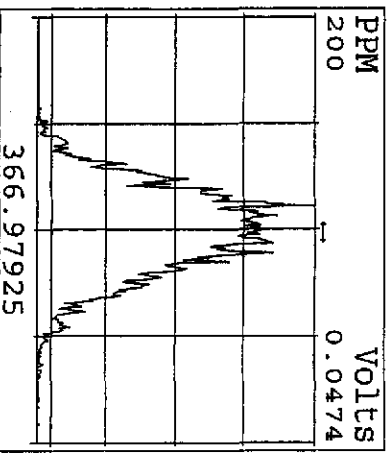
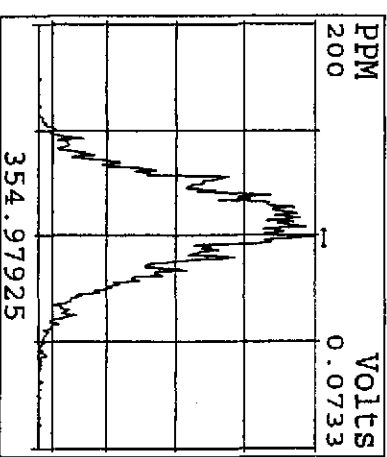
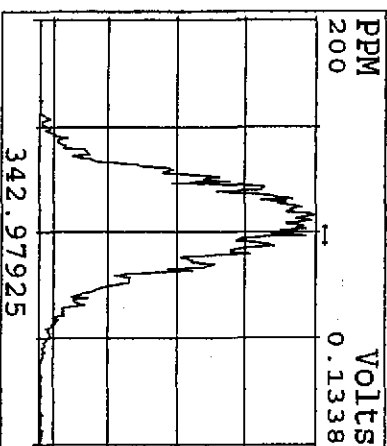
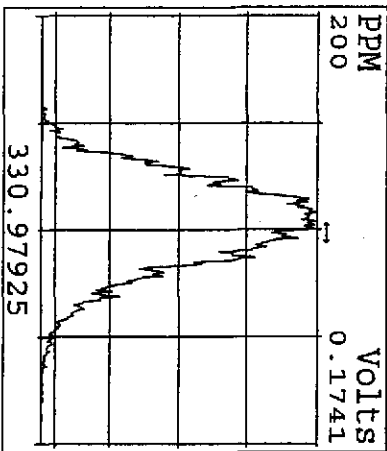
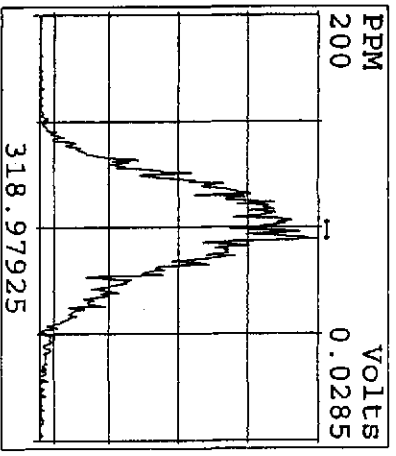
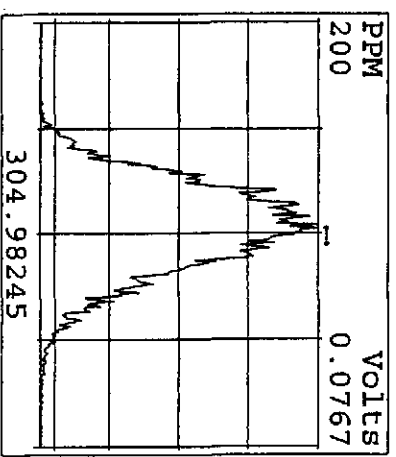
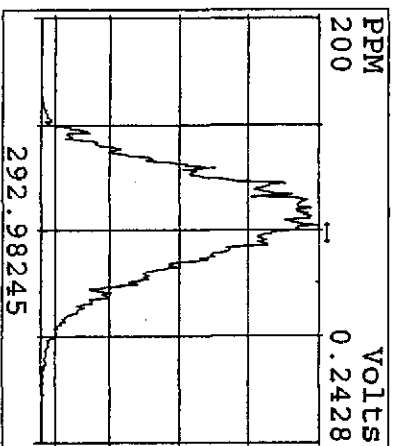
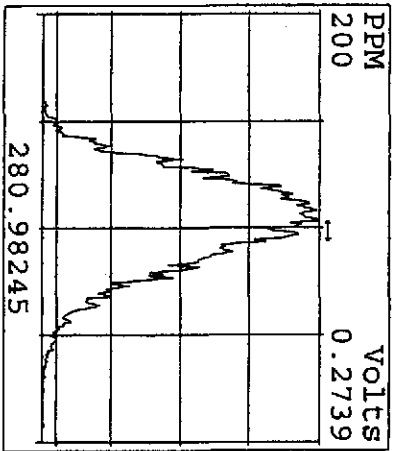
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 Experiment: 209DB5 Function: 1 Reference: PRK



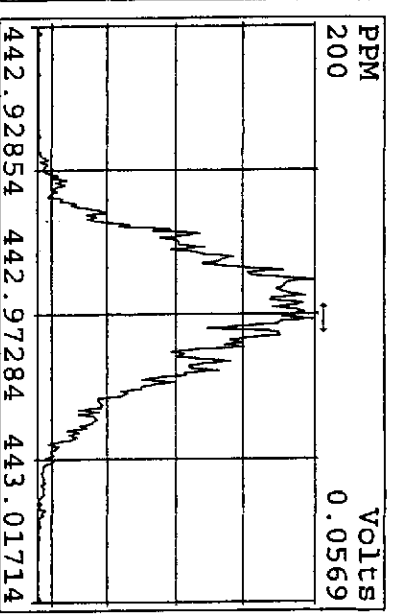
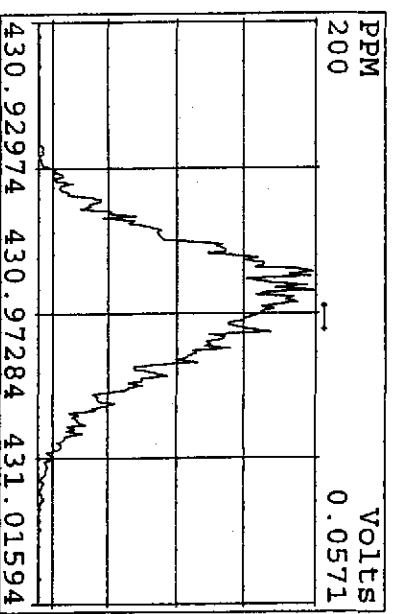
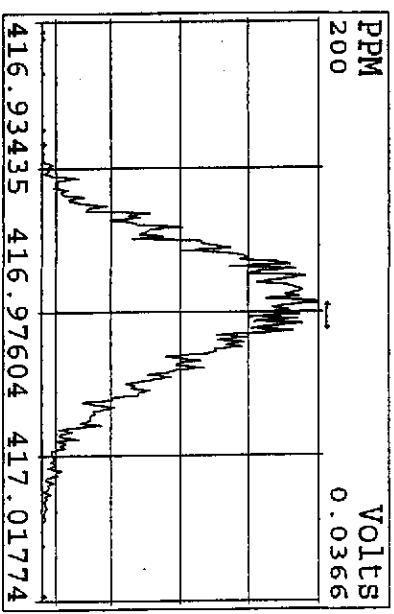
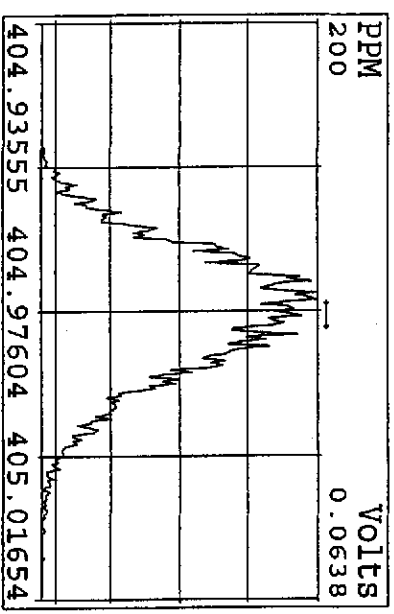
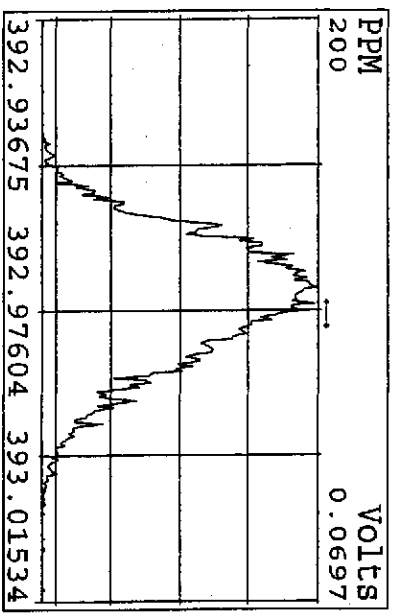
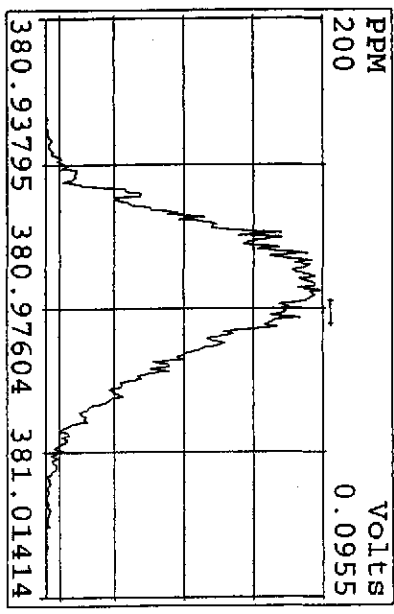
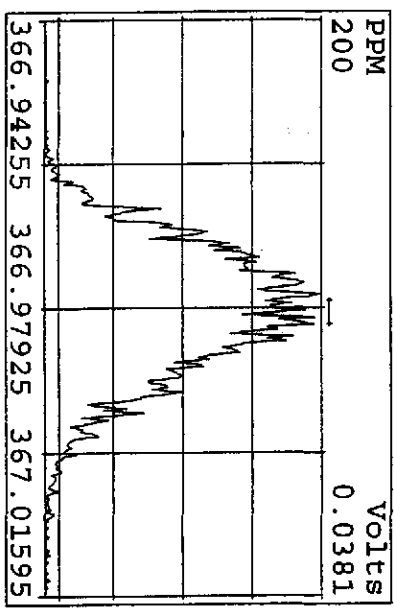
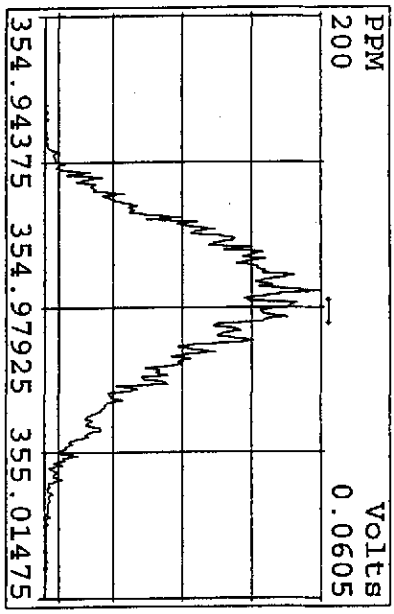
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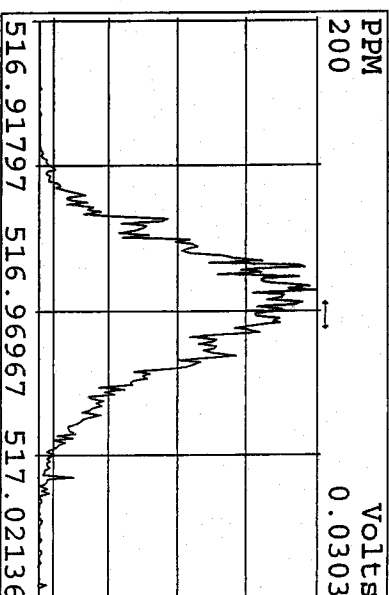
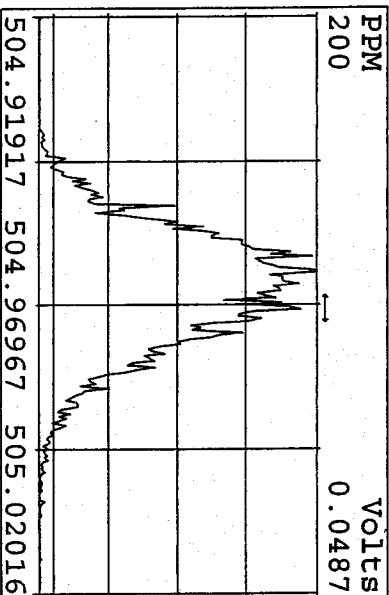
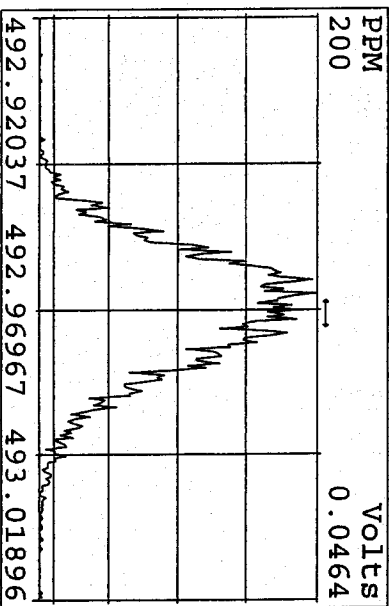
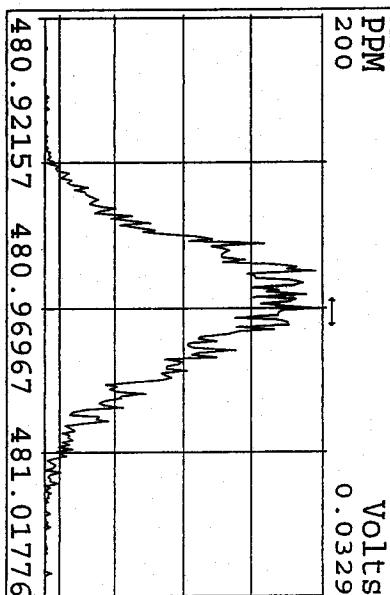
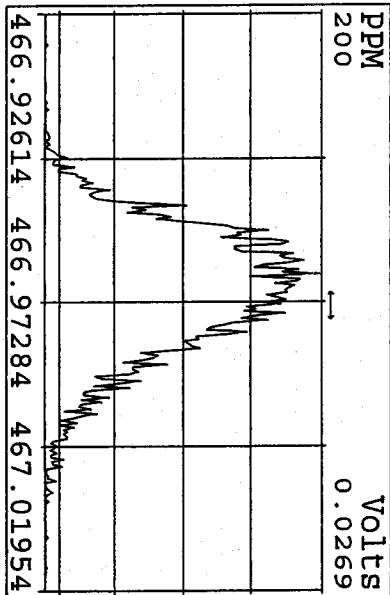
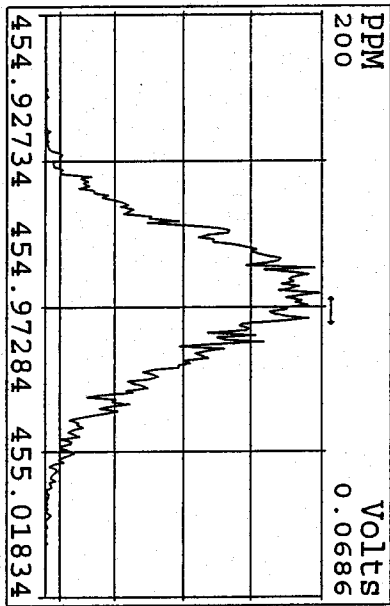
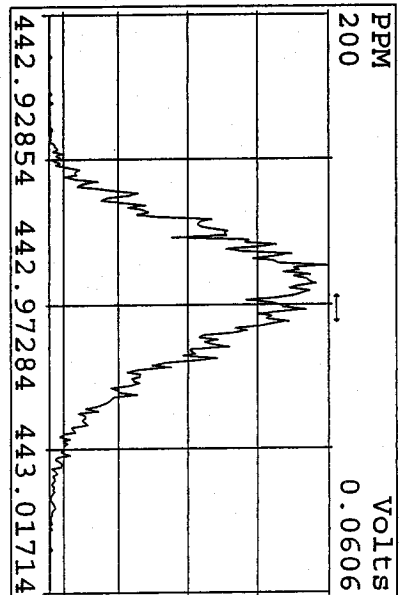
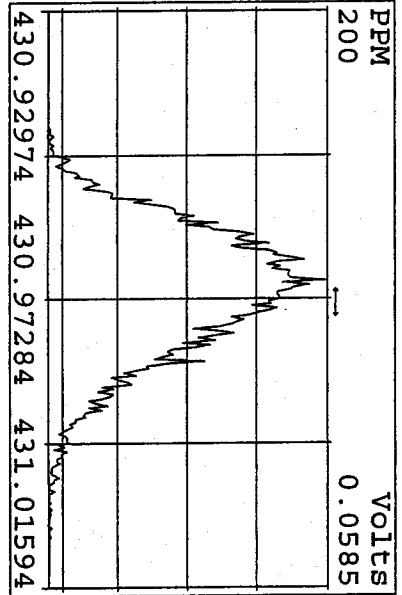
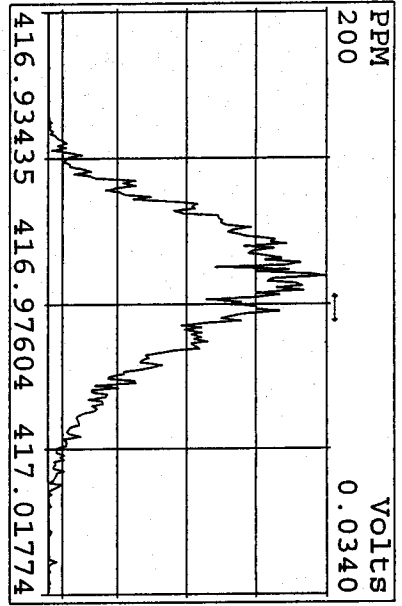


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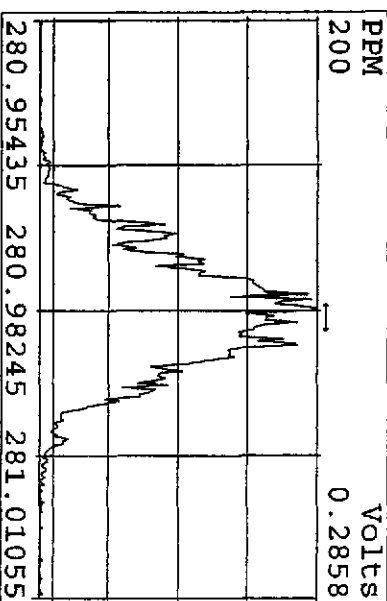
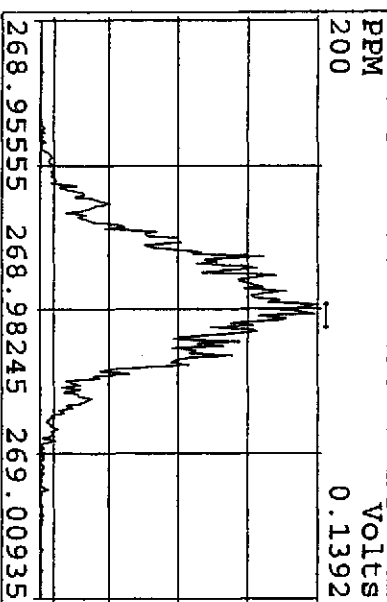
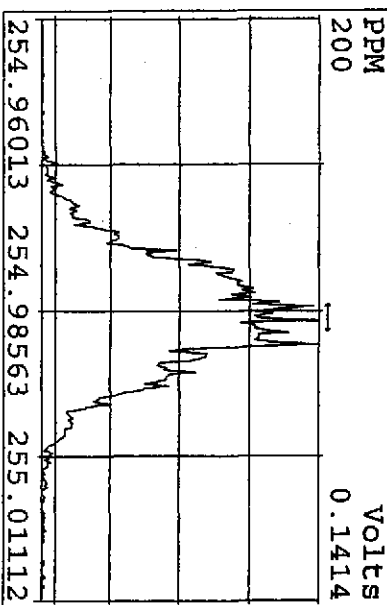
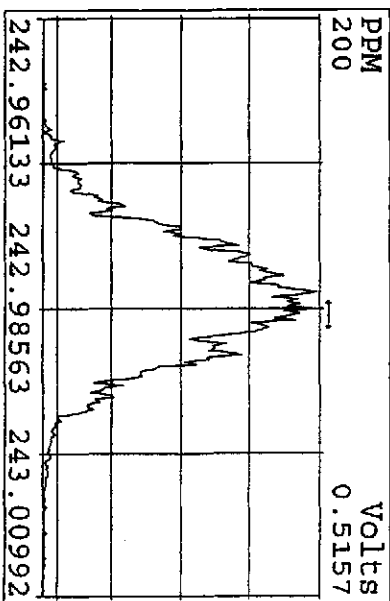
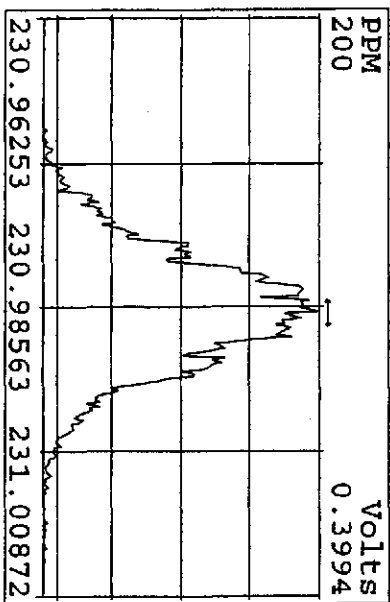
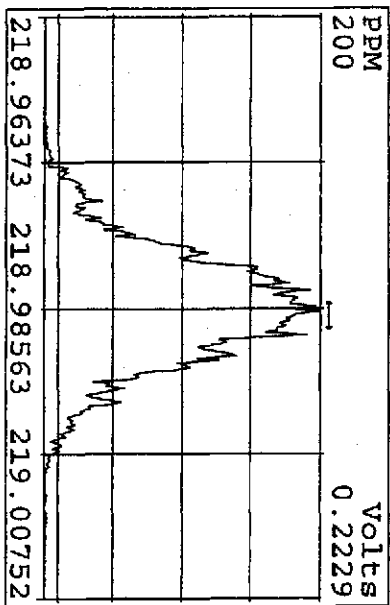
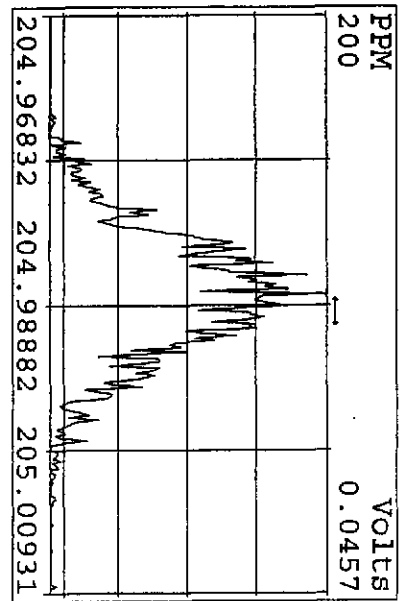
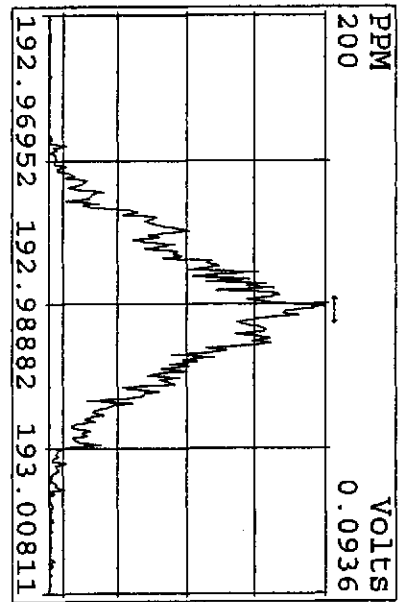
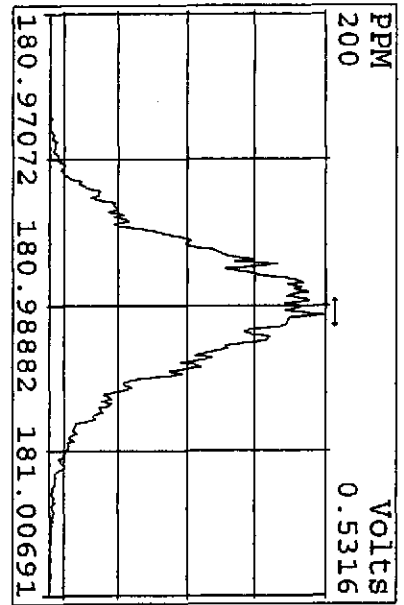




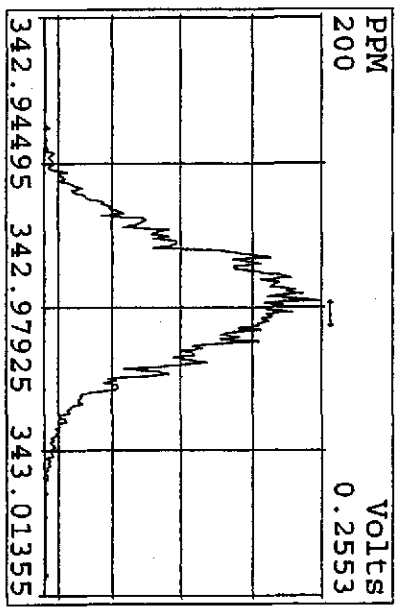
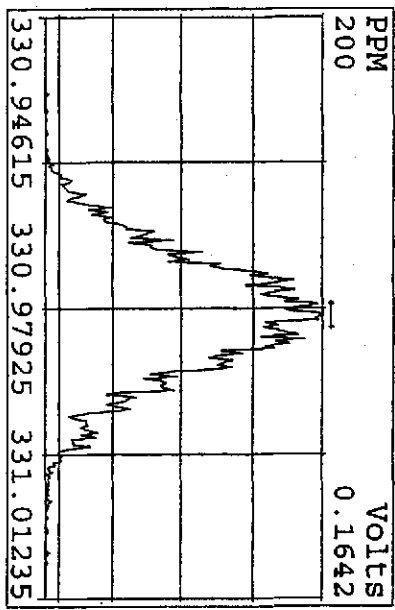
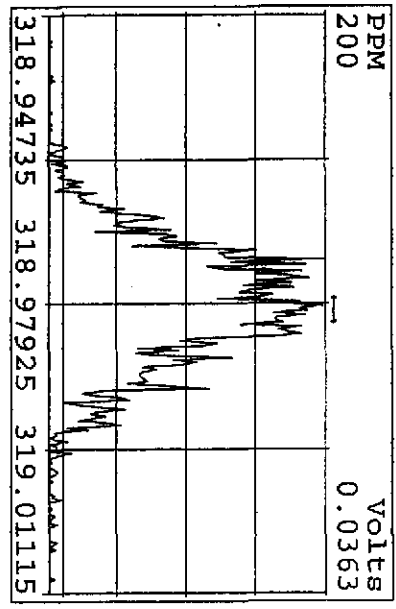
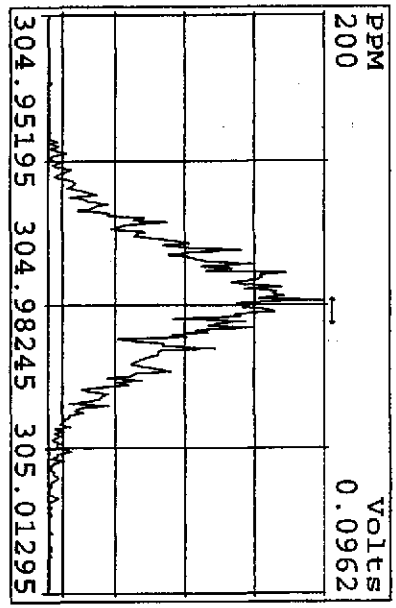
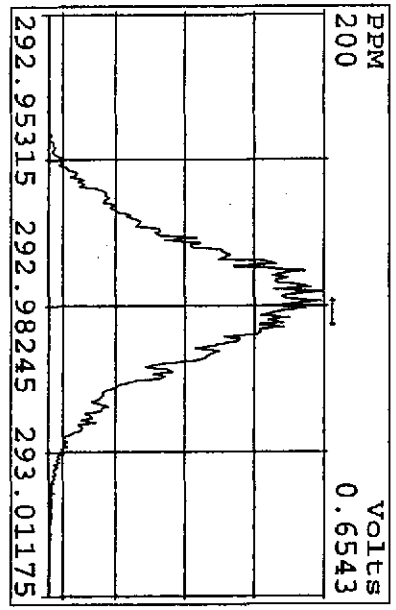
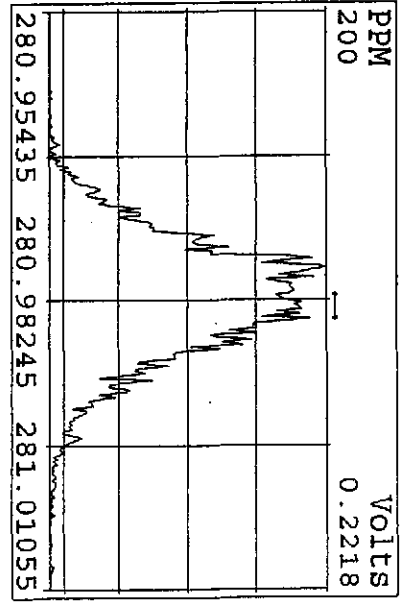
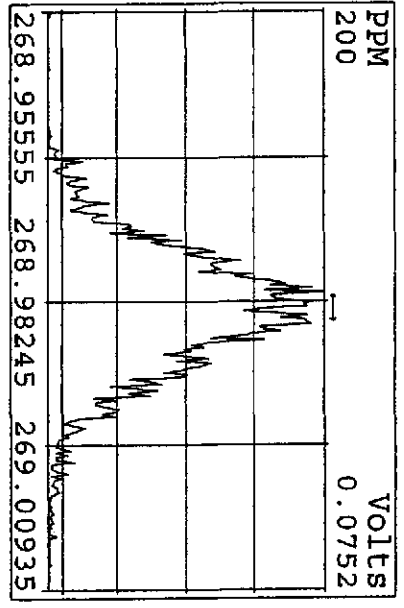
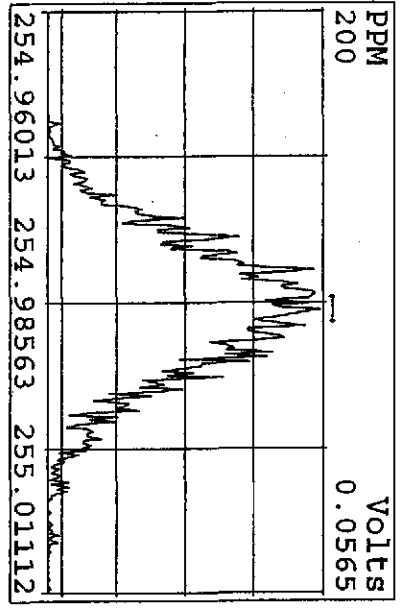
Peak Locate Examination: 23-DEC-2009: 05:55 File: 23DFE0999DS  
 Experiment: 209DB5 Function: 5 Reference: PFK



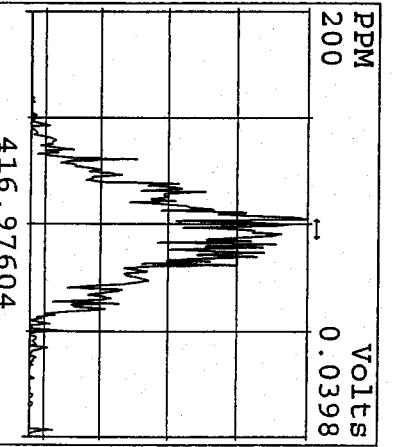
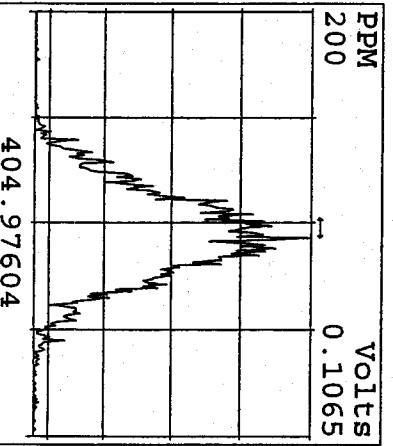
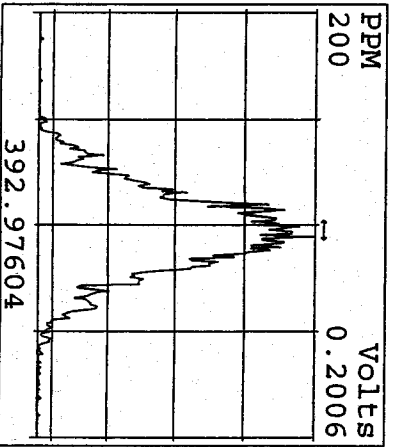
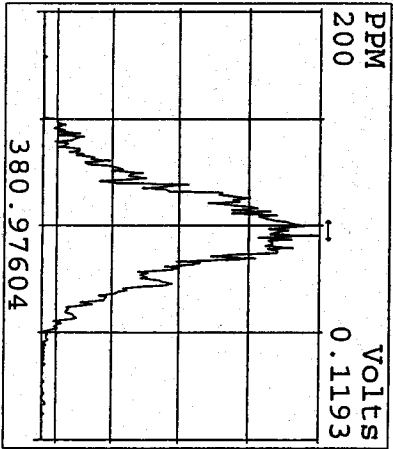
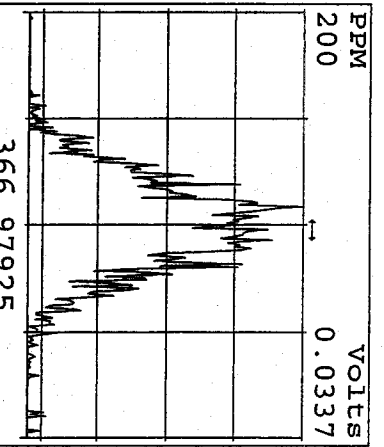
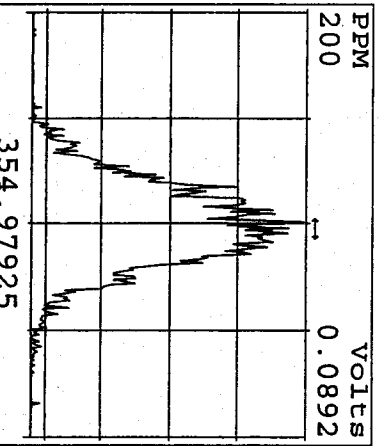
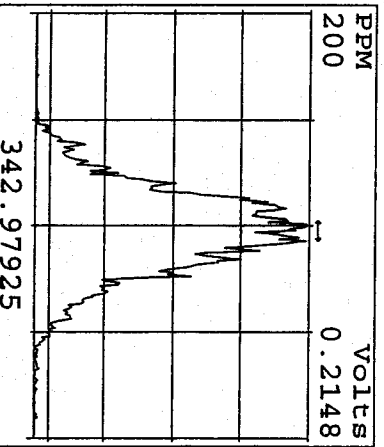
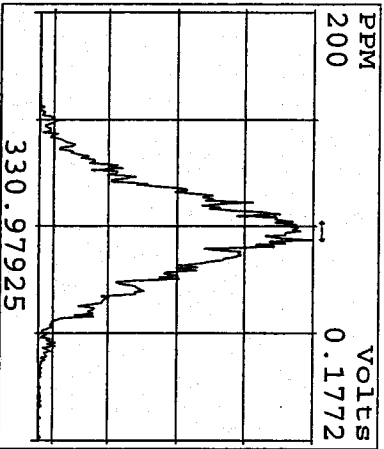
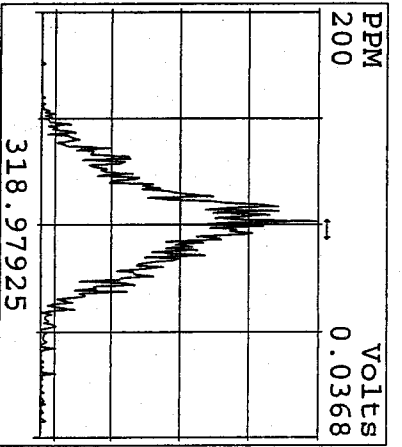
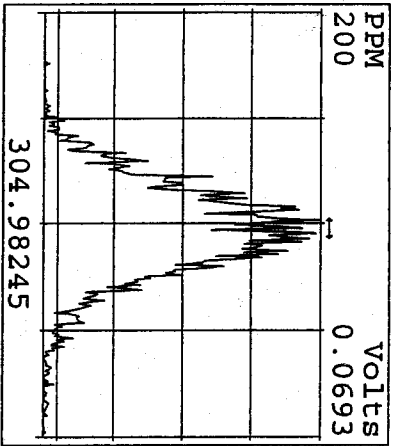
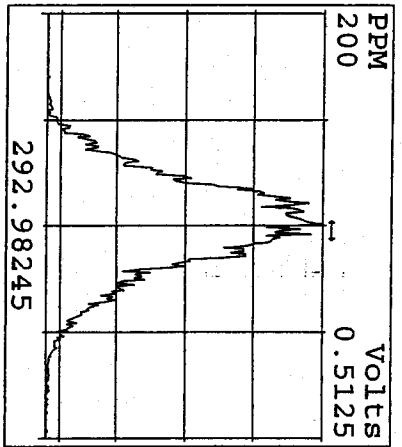
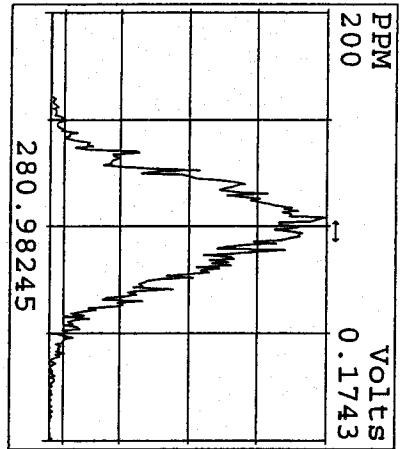
Peak Locate Examination: 25-DEC-2009:00:32 File: RESCHK23DFE099D5  
 Experiment: 209DB5 Function: 1 Reference: PFK



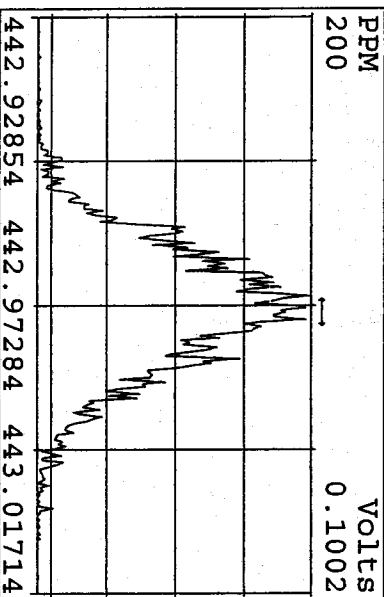
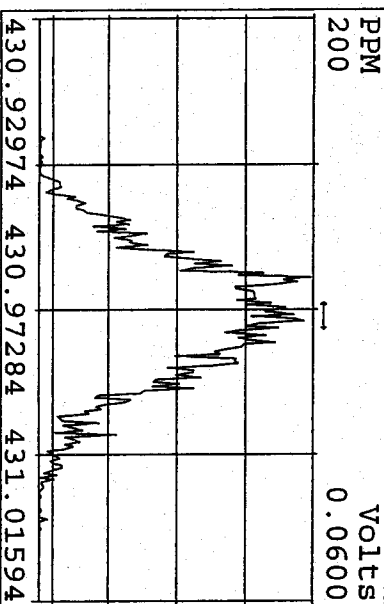
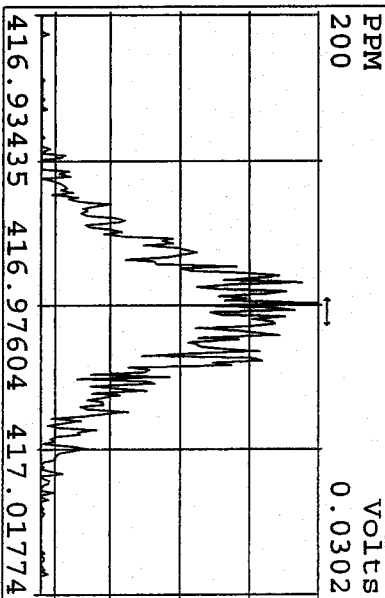
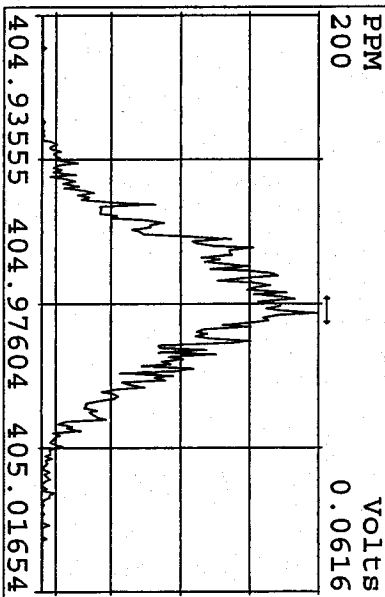
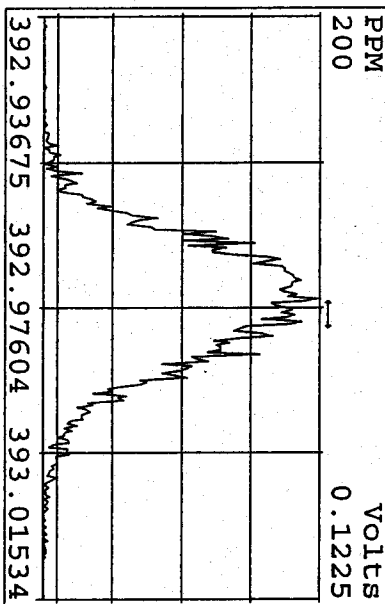
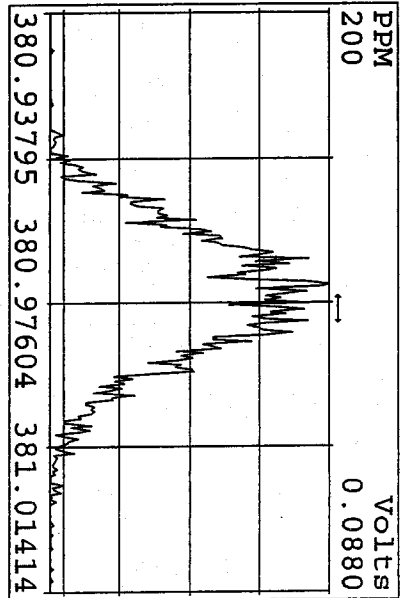
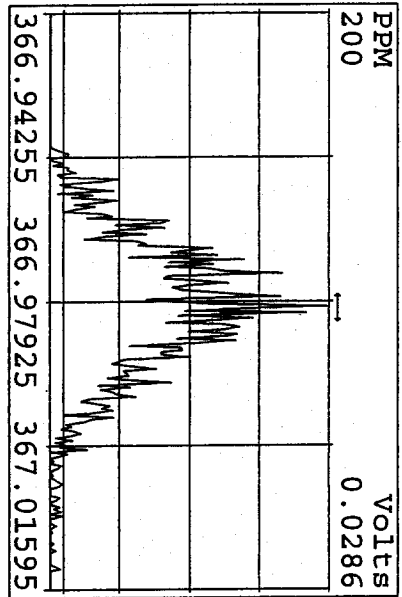
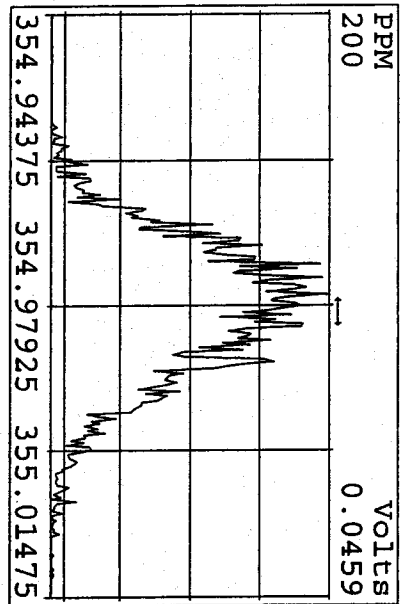
Peak Locate Examination: 25-DEC-2009:00:33 File: RESCHK23DE099D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



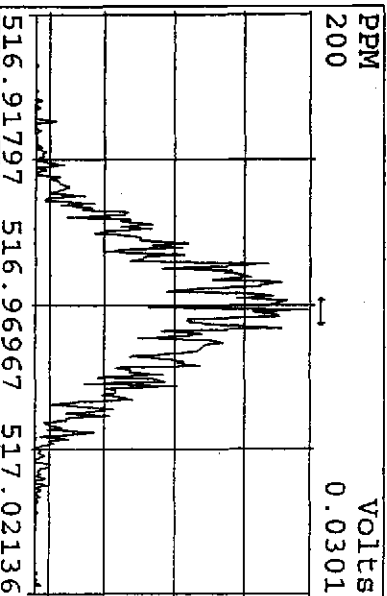
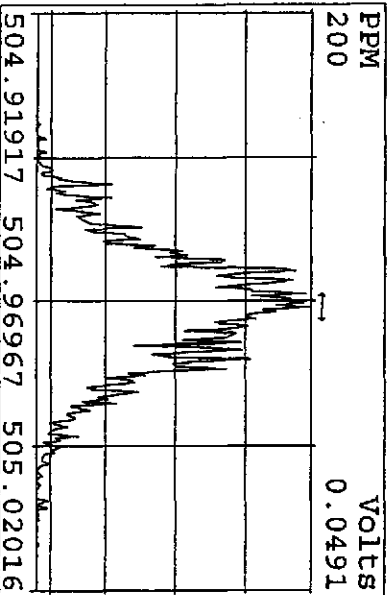
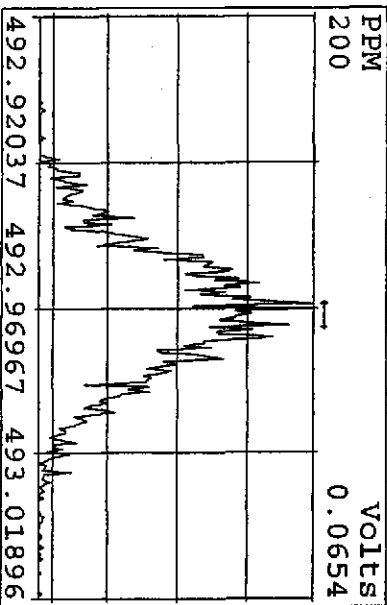
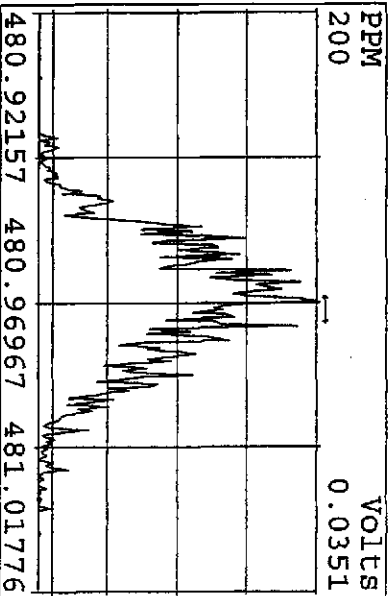
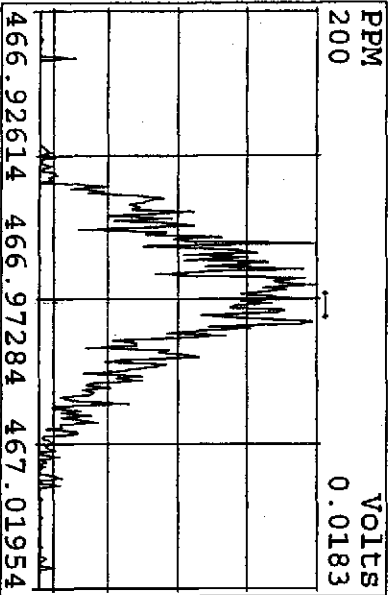
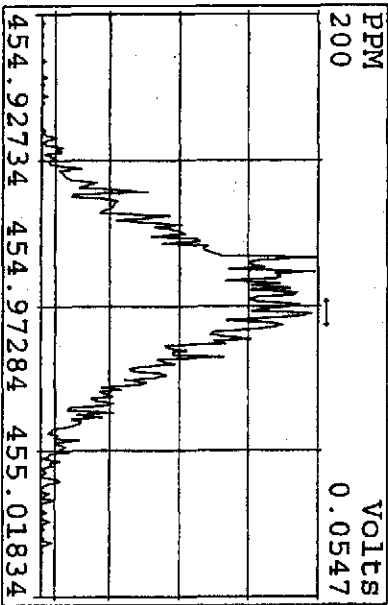
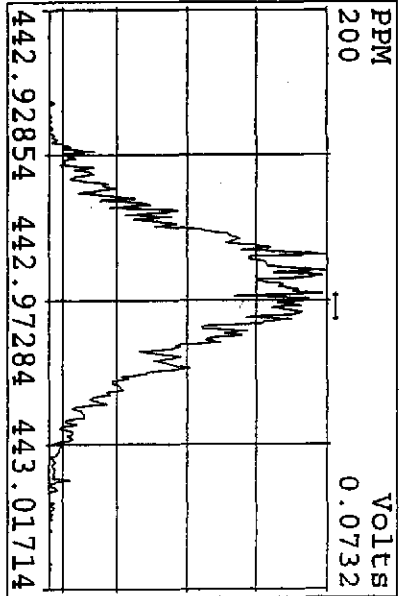
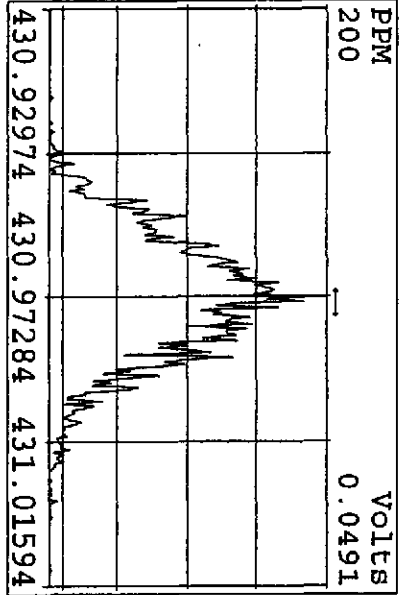
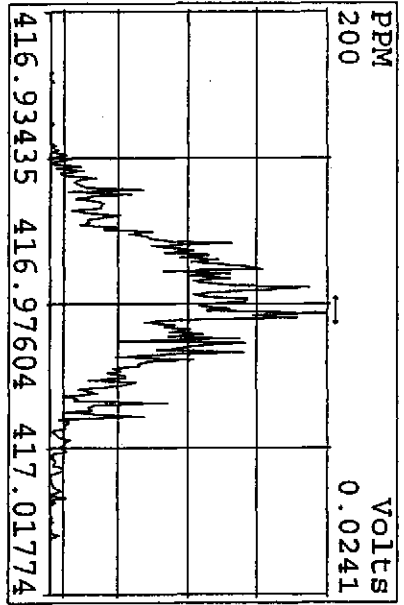
Peak Locate Examination: 25-DEC-2009:00:36 File: RESCHK23DE099D5  
Experiment: 209DB5 Function: 3 Reference: PK



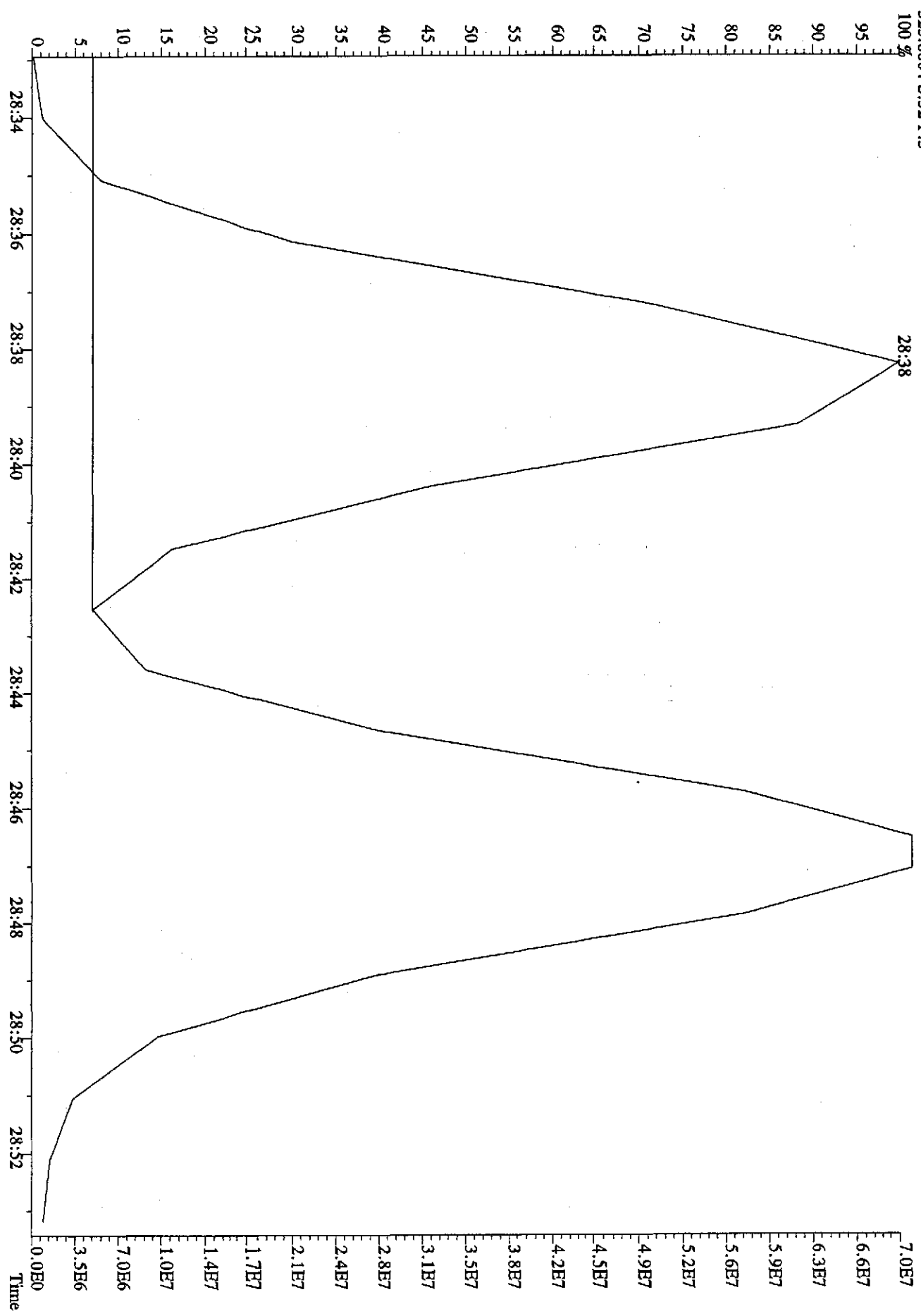
Peak Locate Examination: 25-DEC-2009:00:39 File: RESCHK23DE099D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



Peak Locate Examination: 25-DEC-2009: 00:40 File: RESCHK23DE099D5  
 Experiment: 209DB5 Function: 5 Reference: PFK



File:22DE099D5 #1-596 Acq:24-DEC-2009 08:32:33 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#32 Text:ST1223D :CS4 09DXNZ08 Exp:209DB5  
 325.8804 S:32 F:3



ST1216 : CS3 09DXN207 ST1216A : CS2 09DXN206 ST1216B : CS1 09DXN205  
 ST1216C : CS5 09DXN209 ST1216D : CS4 09DXN208

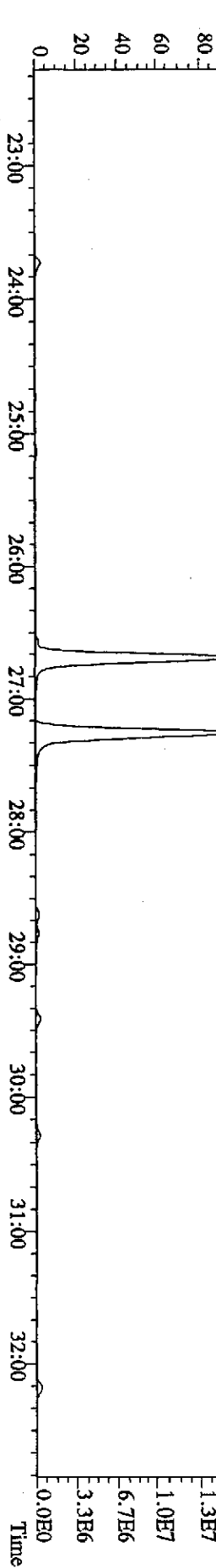
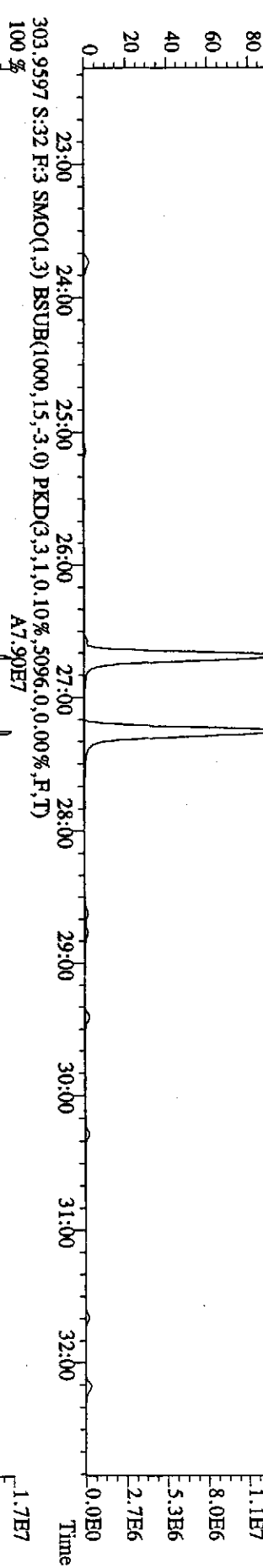
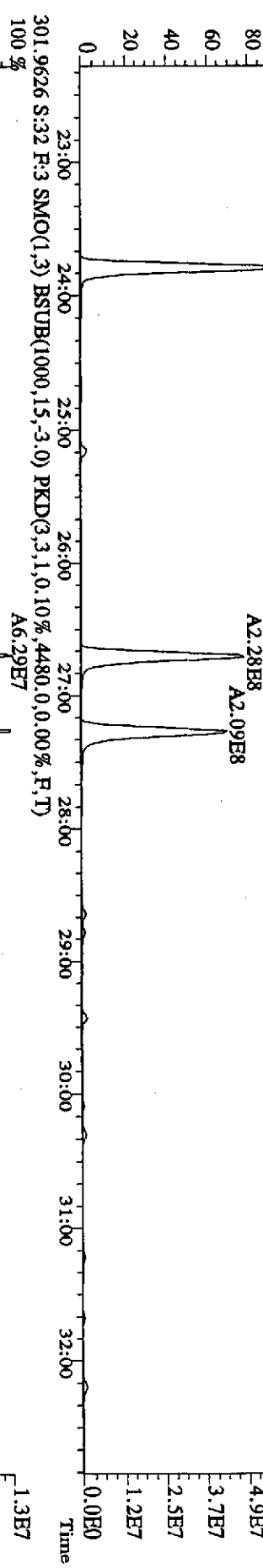
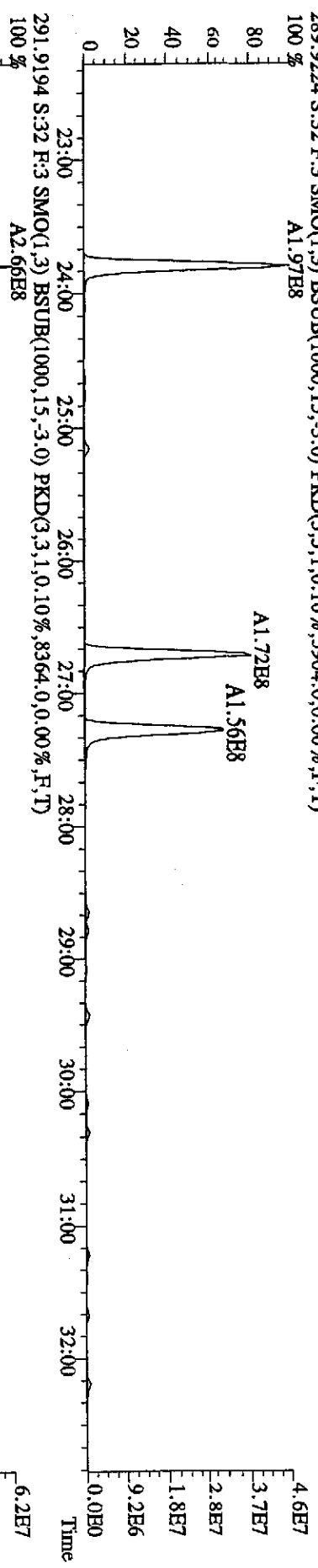
16DE09E9D516DE09E9D516DE09E9D516DE09E9D516DE09E9D516DE09E9D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-PecB-101	-	-	- %	-	-	-	-	-
13C-TCB-81	1.328	0.019	1.43 %	1.30	1.32	1.33	1.35	1.34
TCB-81	1.308	0.092	7.05 %	1.33	1.25	1.18	1.38	1.40
13C-TCB-77	1.378	0.043	3.14 %	1.33	1.33	1.41	1.40	1.42
TCB-77	1.153	0.069	5.96 %	1.15	1.09	1.08	1.21	1.23
13C-PecB-123	1.075	0.046	4.31 %	1.14	1.02	1.08	1.09	1.04
PecB-123	1.705	0.107	6.25 %	1.75	1.64	1.55	1.78	1.81
13C-PecB-118	1.104	0.051	4.59 %	1.13	1.05	1.16	1.13	1.05
PecB-118/106	1.776	0.071	3.99 %	1.80	1.66	1.77	1.80	1.85
13C-PecB-114	1.150	0.055	4.77 %	1.23	1.08	1.16	1.16	1.13
PecB-114	1.799	0.098	5.46 %	1.80	1.76	1.65	1.89	1.89
13C-PecB-105	1.103	0.069	6.25 %	1.19	1.02	1.13	1.12	1.06
PecB-105/127	1.618	0.082	5.06 %	1.64	1.56	1.51	1.67	1.71
13C-PecB-126	1.207	0.048	3.98 %	1.25	1.19	1.25	1.21	1.13
PecB-126	1.330	0.061	4.55 %	1.35	1.27	1.27	1.37	1.40
13C-OCCB-202	-	-	- %	-	-	-	-	-
13C-HXCB-167	1.228	0.072	5.84 %	1.11	1.22	1.24	1.27	1.30
HXCB-167	1.207	0.095	7.86 %	1.27	1.21	1.05	1.23	1.28
13C-HXCB-156	0.973	0.040	4.11 %	0.94	0.94	0.96	0.99	1.04
HXCB-156	1.468	0.117	7.97 %	1.52	1.39	1.30	1.55	1.58
13C-HXCB-157	1.040	0.030	2.84 %	1.02	1.02	1.03	1.05	1.09
HXCB-157	1.479	0.098	6.63 %	1.50	1.42	1.34	1.57	1.57
13C-HXCB-169	1.158	0.038	3.29 %	1.15	1.13	1.13	1.15	1.22
HXCB-169	0.978	0.066	6.75 %	0.99	0.94	0.89	1.03	1.05
13C-HPCB-180	0.811	0.030	3.74 %	0.86	0.81	0.79	0.80	0.79
HPCB-180	1.337	0.060	4.49 %	1.30	1.28	1.43	1.32	1.35
13C-HPCB-170	0.658	0.022	3.33 %	0.69	0.66	0.63	0.66	0.65
HPCB-170/190	1.617	0.055	3.41 %	1.61	1.55	1.59	1.67	1.68

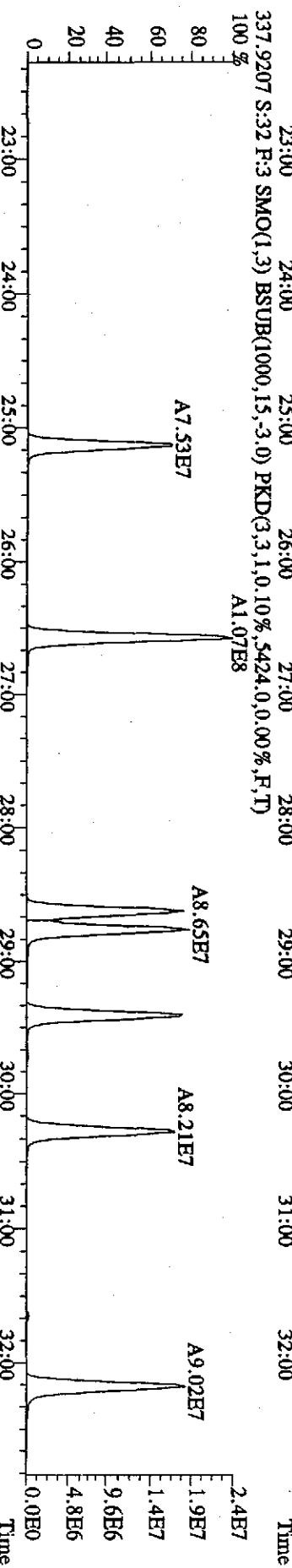
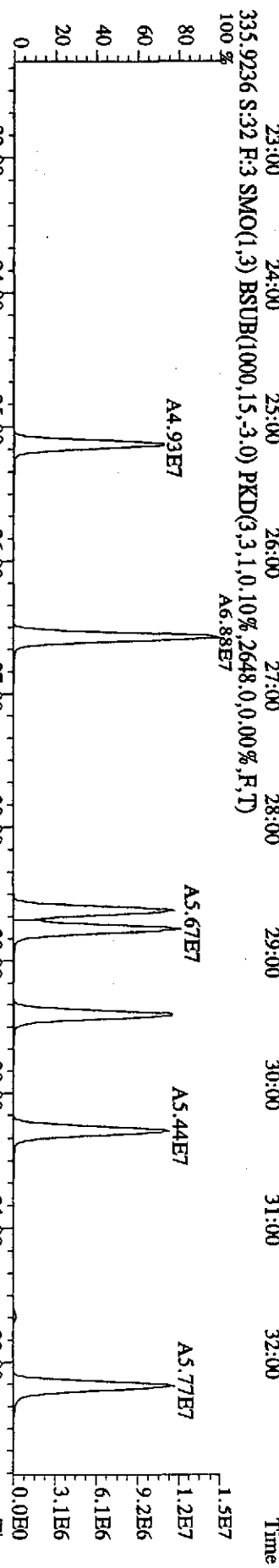
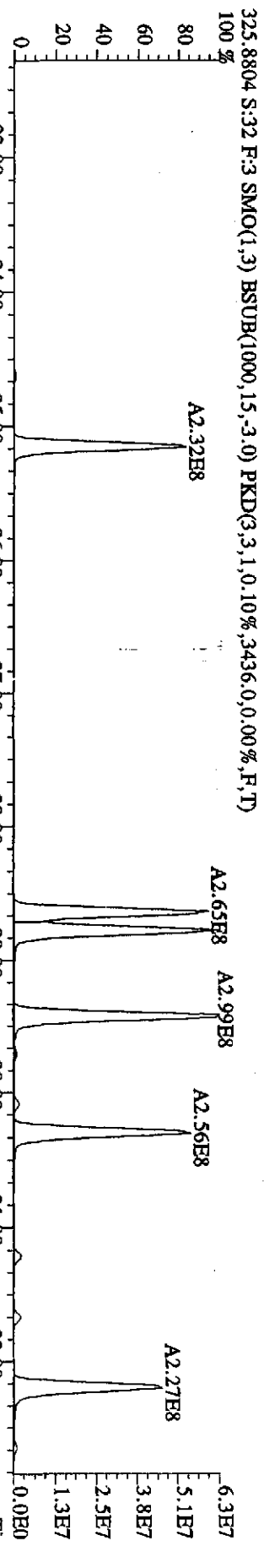
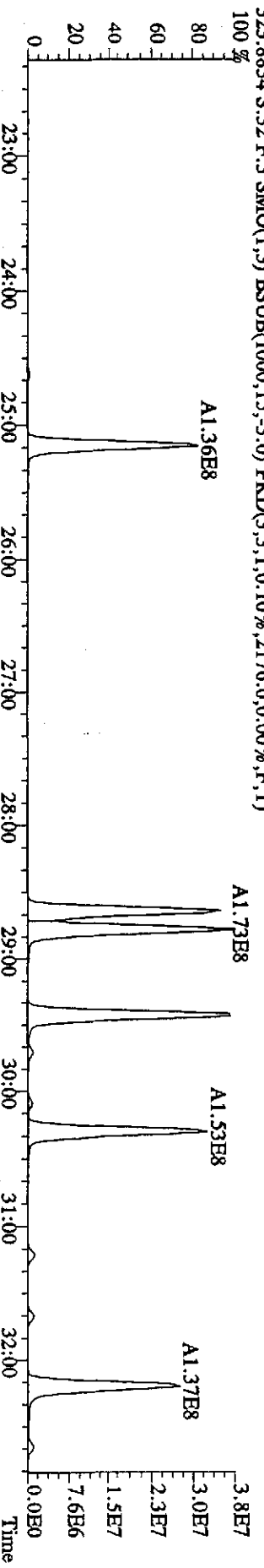


13C-HpCB-189	0.909	0.043	4.74 %	0.98	0.92	0.89	0.89	0.86
HpCB-189	1.227	0.049	3.96 %	1.21	1.20	1.17	1.27	1.29
13C-DecB-209	0.692	0.029	4.12 %	0.72	0.72	0.68	0.69	0.66
DECB-209	1.533	0.077	4.99 %	1.56	1.52	1.41	1.59	1.59
13C-PeCB-111	1.278	0.054	4.26 %	1.25	1.36	1.30	1.21	1.28

File:23DDE099D5 #1-596 Acq:24-DEC-2009 08:32:33 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#32 Text:ST1223D :CS4 09DXN208 Exp:209DB5  
 289.9224 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,5904,0.0,0.00%,F,T)  
 100% A1.97E8

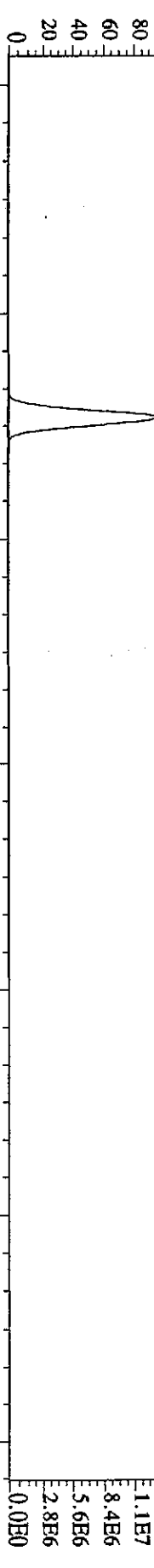


File:23DB099D5 #1-596 Acq:24-DEC-2009 08:32:33 GC EI+ Voltage SIR Autospec-UltimaB  
Sample#32 Text:ST1223D :CS4 09DXN208 Exp:209DB5  
323.8834 S:32 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2176,0,0,00%,F,T)  
100 %

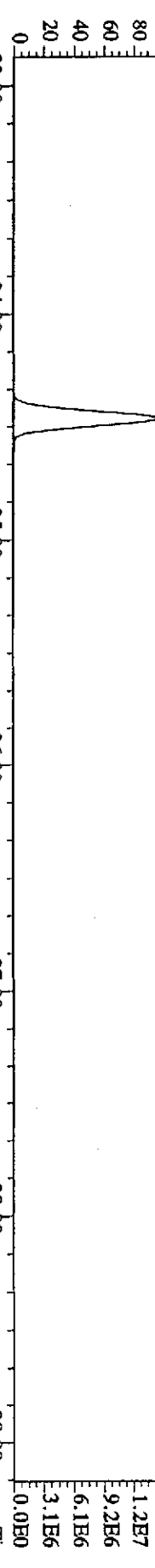


Sample#32 Text: ST1223D :CS4 09DXNZ08 Exp: 209DB5

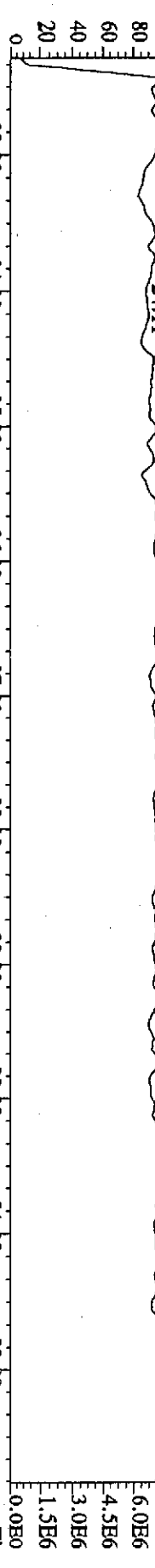
439.8038 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2084,0.0,0.00%,F,T)



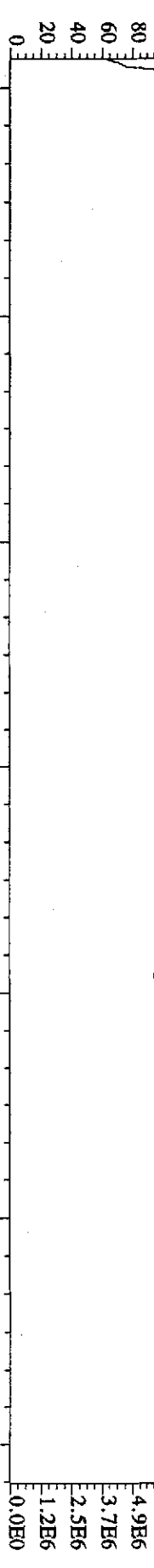
441.8008 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,3404,0.0,0.00%,F,T)



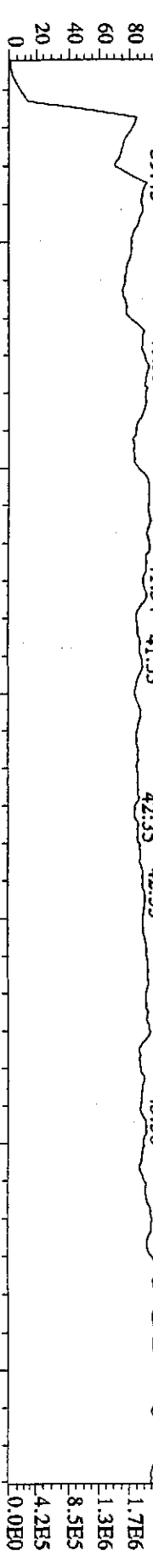
380.9760 S:32 F:3 SMO(1,5) PKD(5,1,5,100,0.0,0.0,0.00%,F,F)



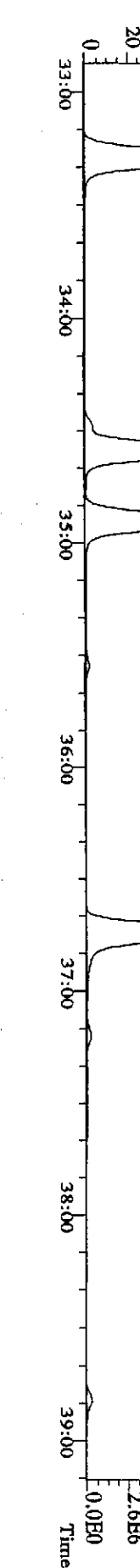
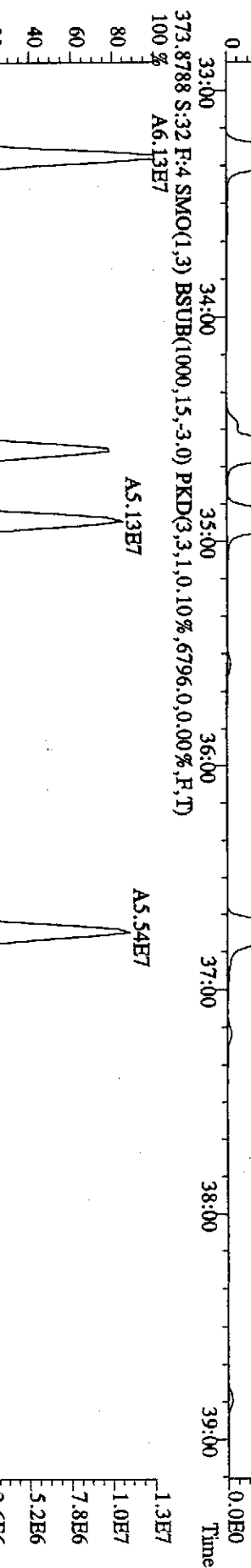
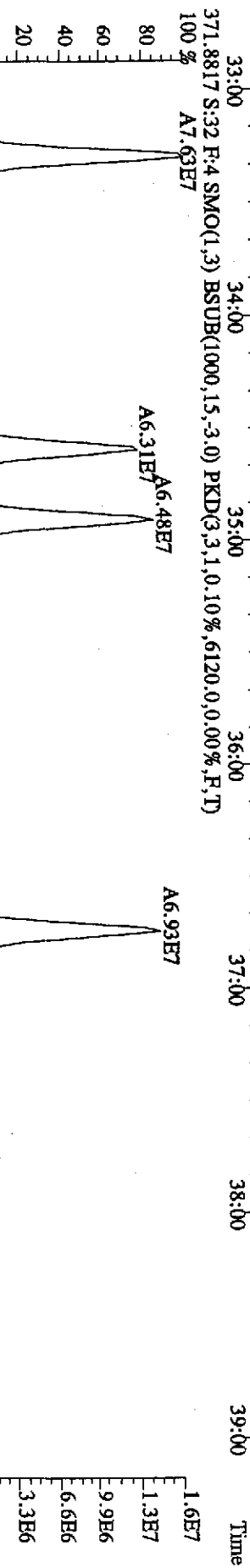
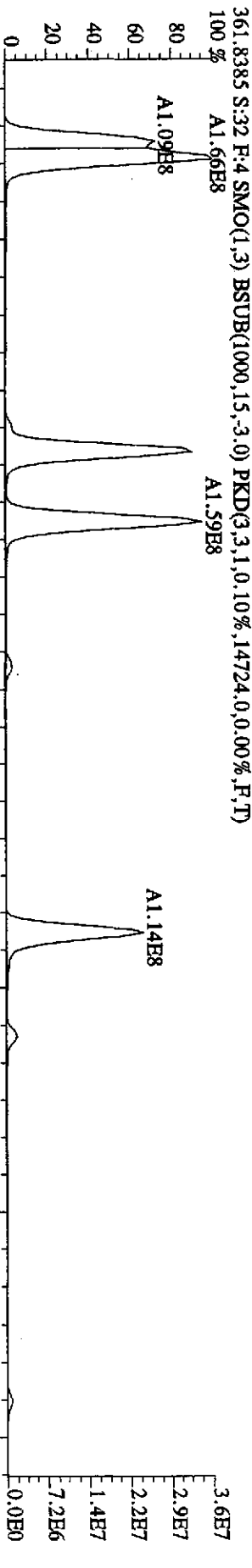
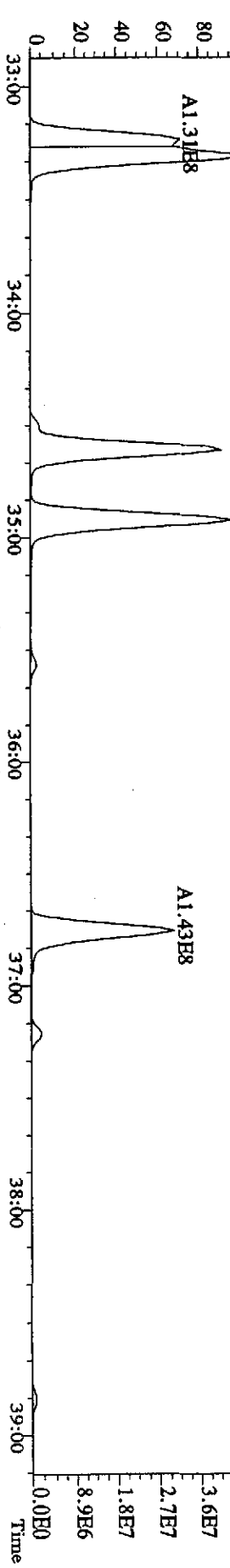
380.9760 S:32 F:4 SMO(1,5) PKD(5,1,5,100,0.0,0.0,0.00%,F,F)



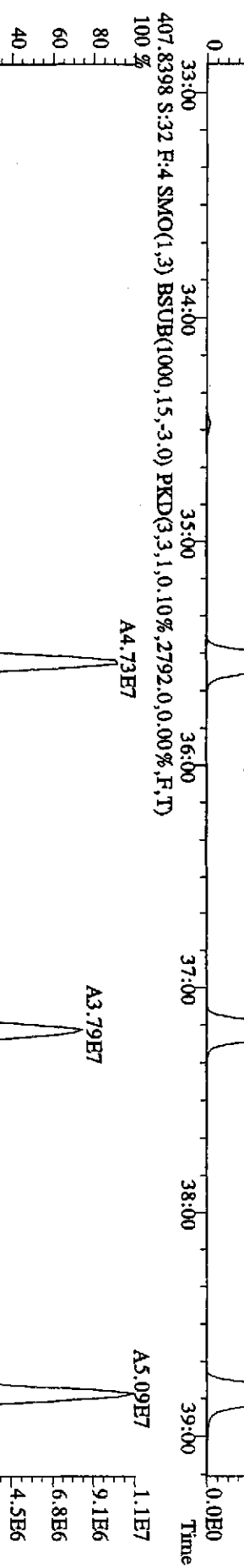
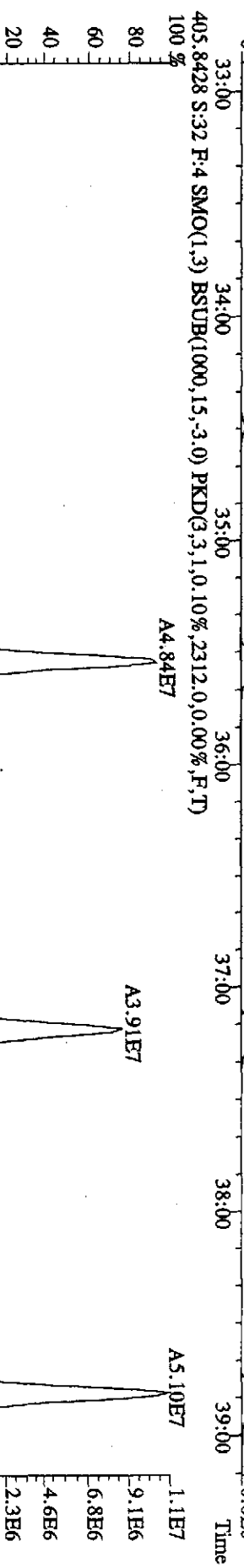
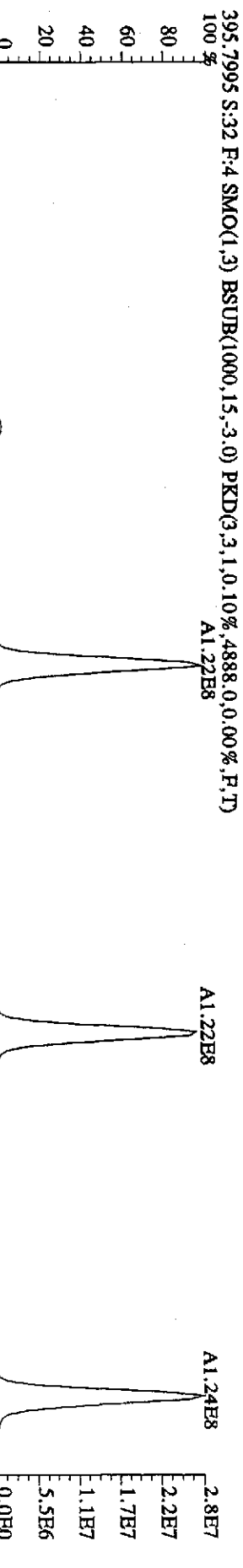
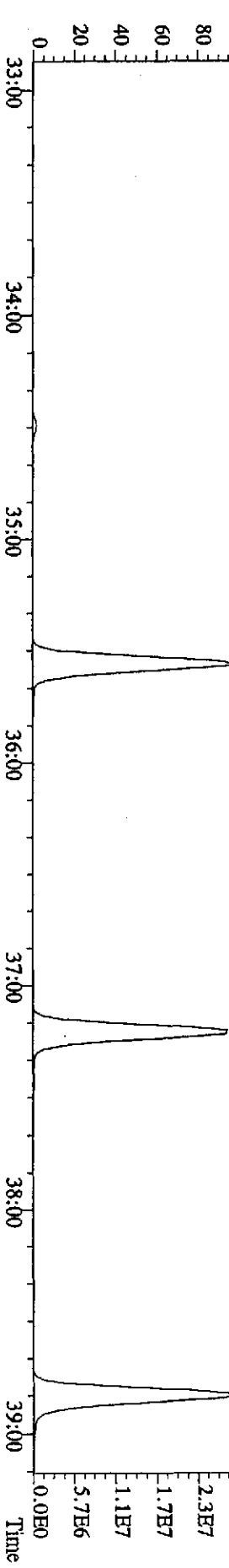
480.9696 S:32 F:5 SMO(1,5) PKD(5,1,5,100,0.0,0.0,0.00%,F,F)



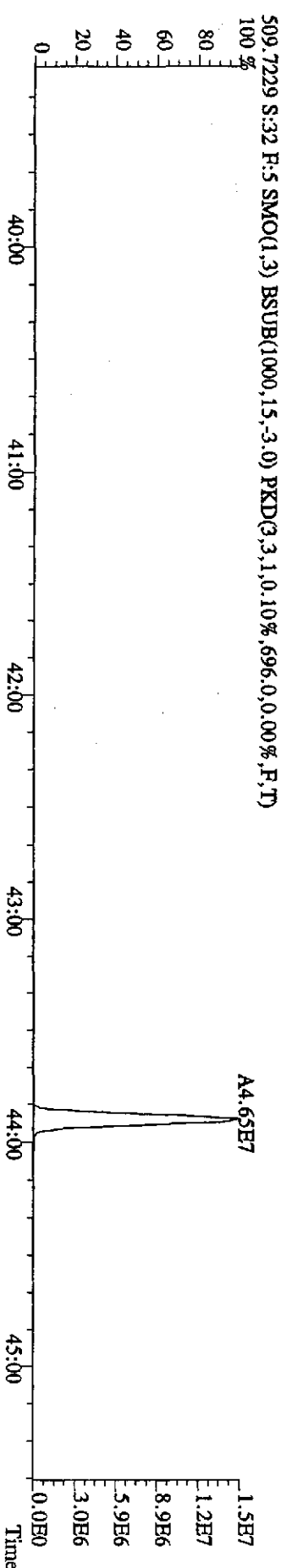
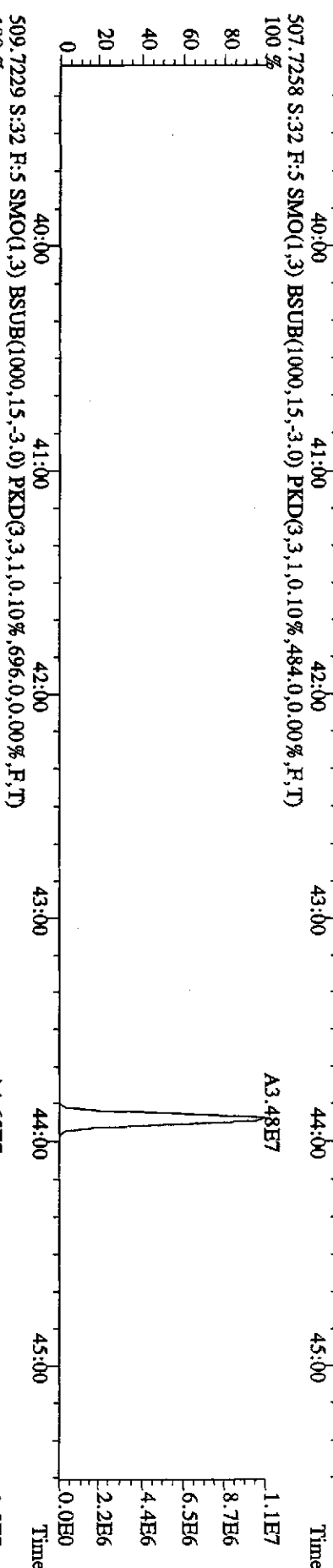
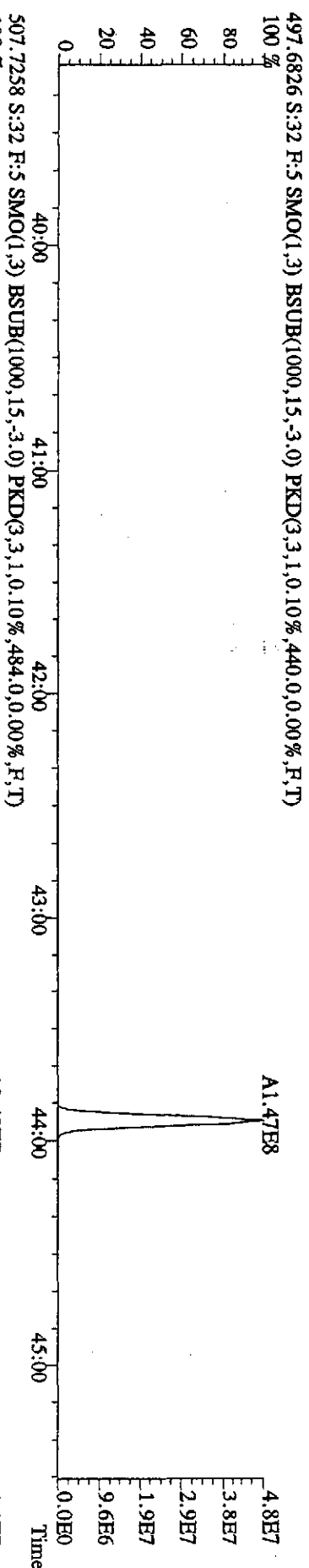
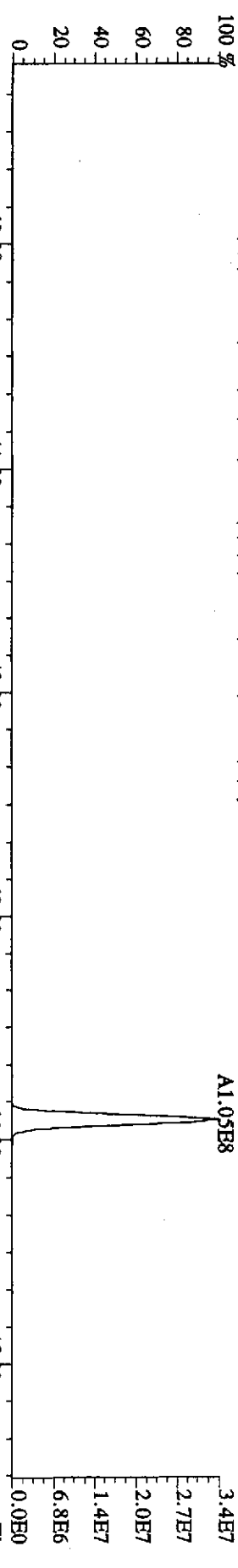
File: 231DE099D5 #1-385 Acq: 24-DEC-2009 08:32:33 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#32 Text: ST1223D :CS4 09DXN208 Exp: 209DB5  
 359.8415 S:32 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,19808,0,0,00%,F,T)  
 100% A2.06E8 A1.99E8



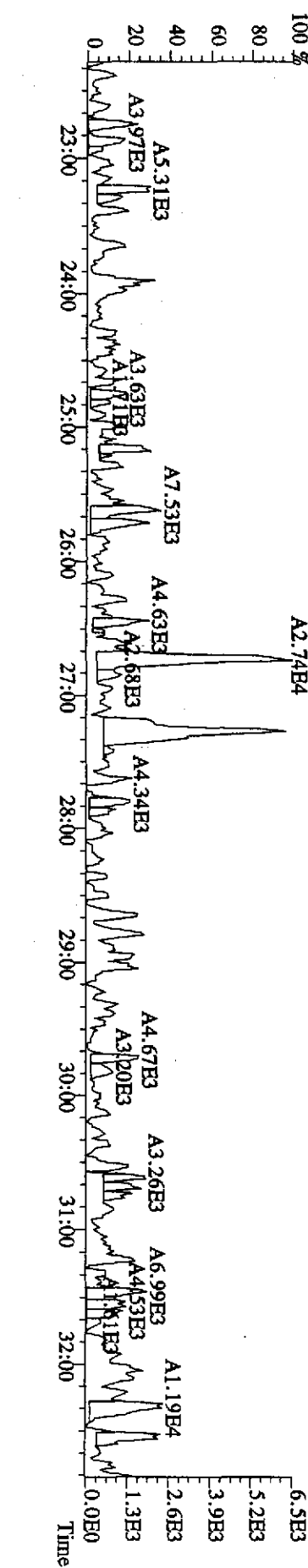
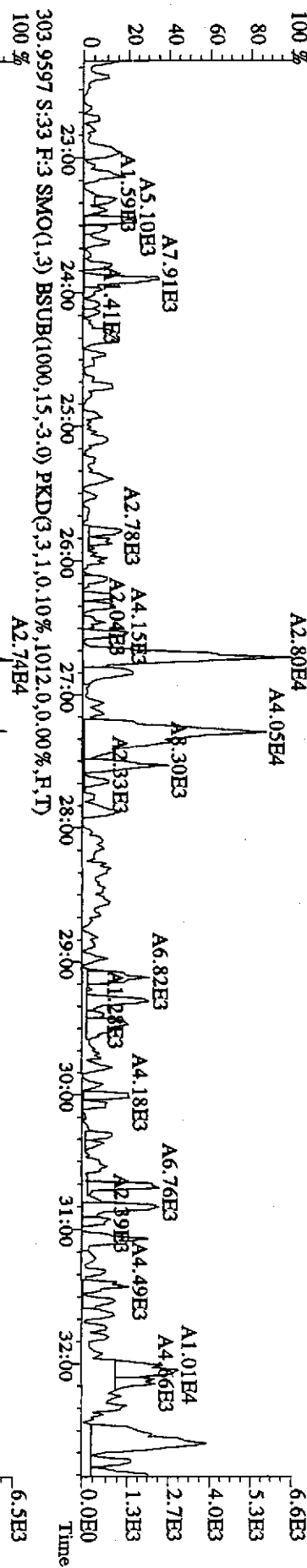
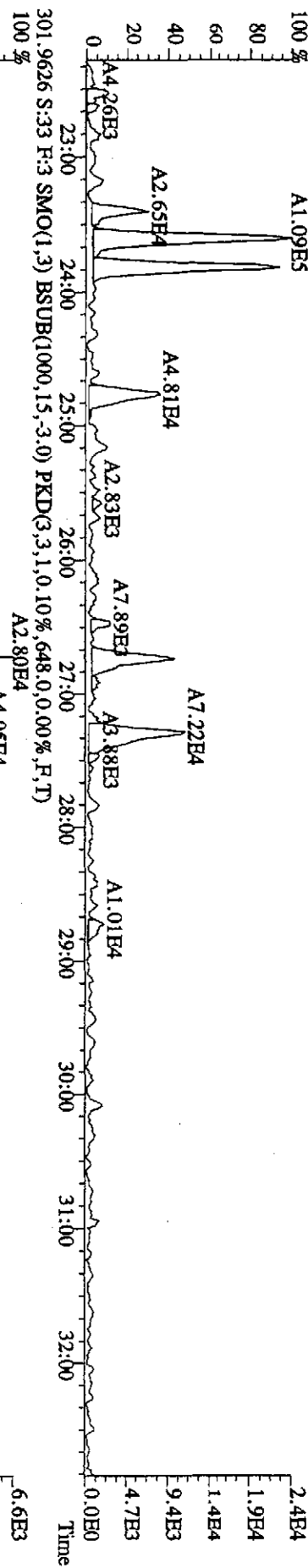
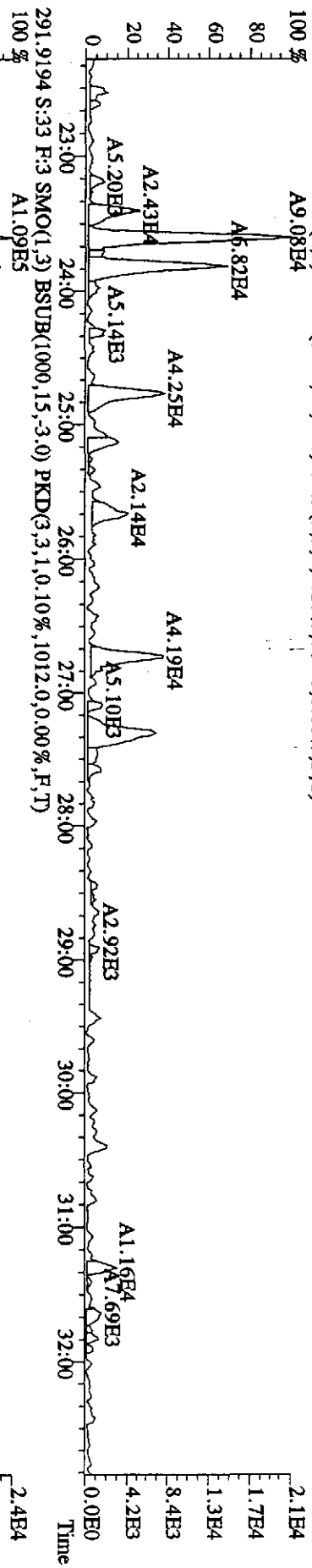
File: 23DBE099D5 #1-385 Acq: 24-DEC-2009 08:32:33 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#32 Text: ST1223D :CS4 09DXN208 Exp: 209DB5  
 393.8025 S:32 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,5096,0,0,00%,F,T)  
 100% A1.27E8



File:23DHE099D5 #1-420 Acq:24-DEC-2009 08:32:33 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#32 Text:ST1223D :CS4 09DXN208 Exp:209DB5  
 495.6856 S:32 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,472.0,0.00%,F,T)

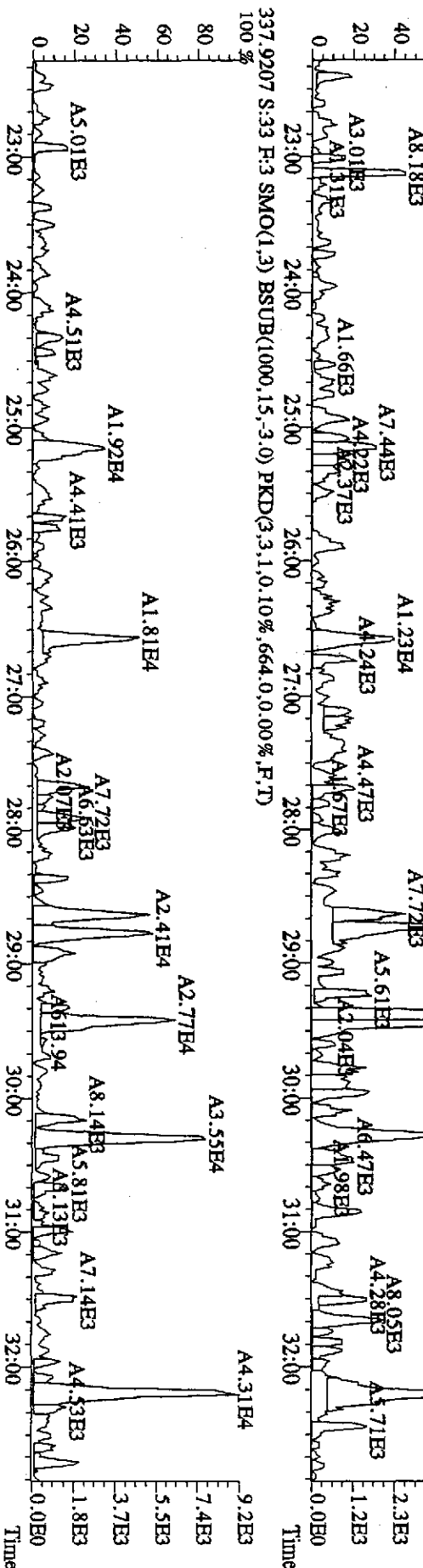
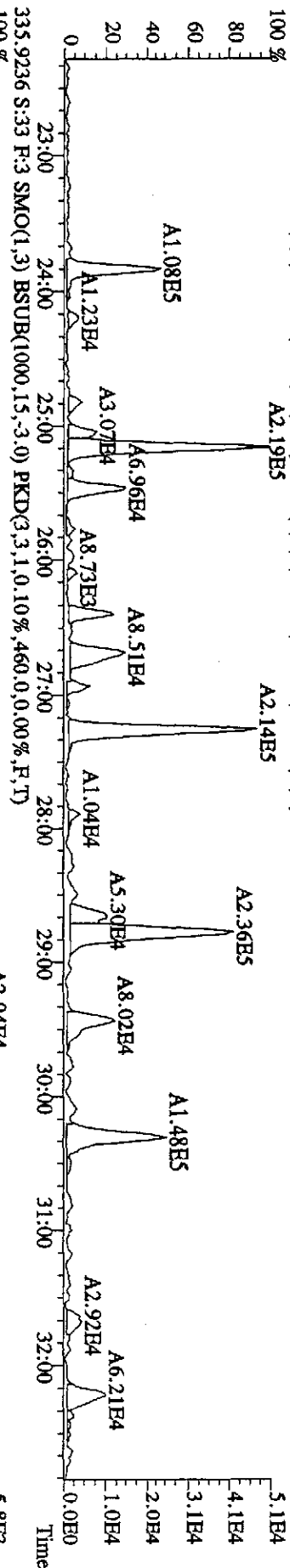
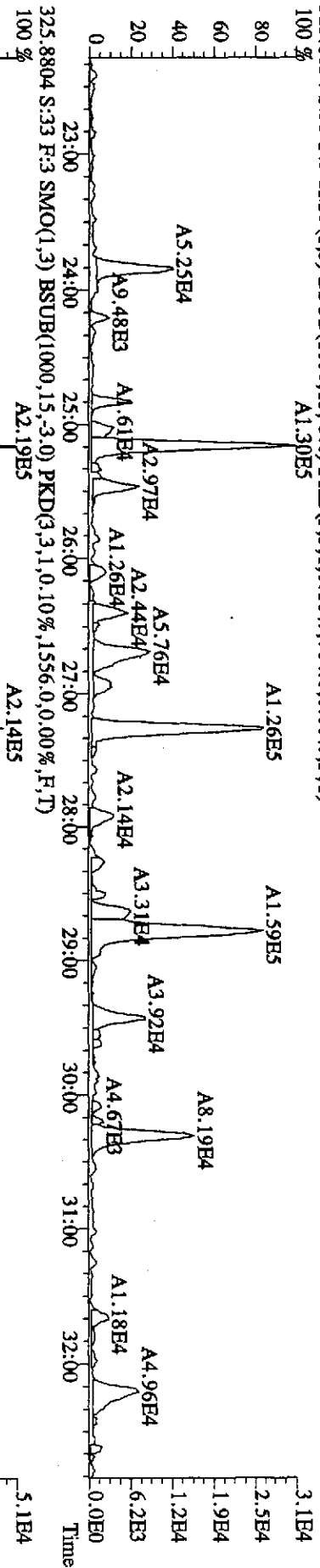


File: 231DB099D5 #1-596 Acq: 24-DEC-2009 09:23:53 GC HI+ Voltage SIR Autospec-Ultimate  
 Sample#33 Text: SB1222E :Solvent Blank C-12 Exp: 209DB5  
 289.9224 S:33 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,780,0,0,00%,F,T)  
 100% A9.08E4

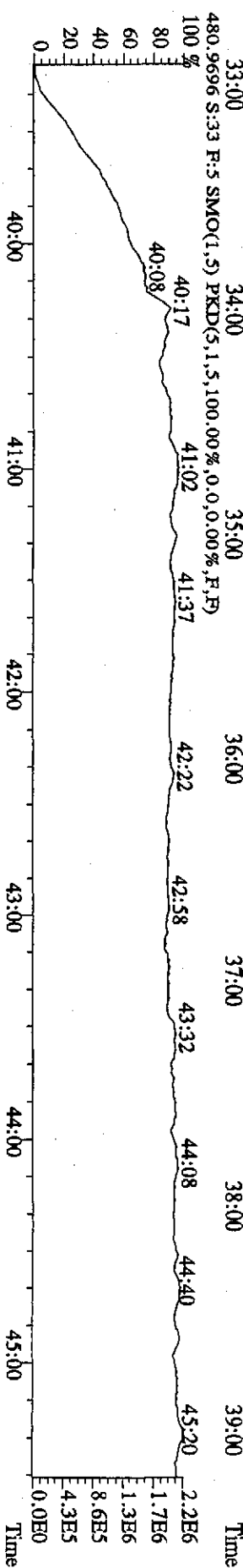
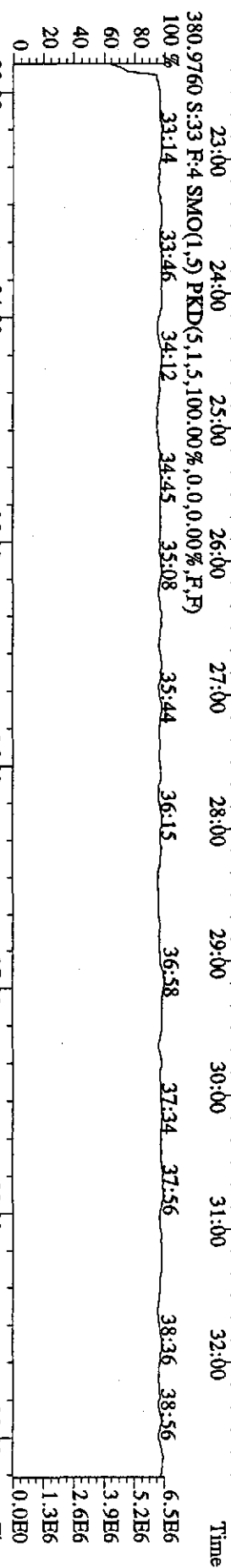
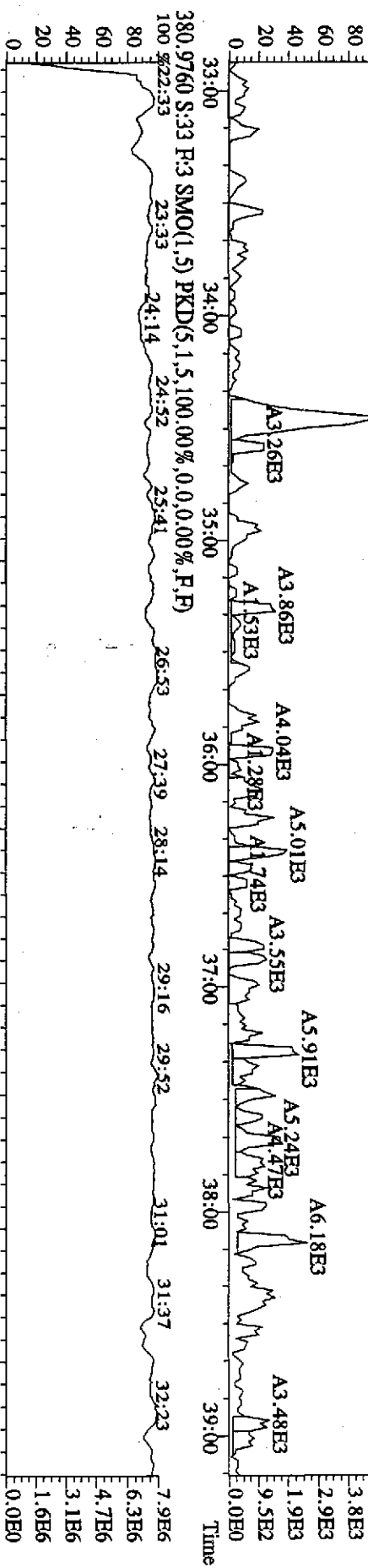
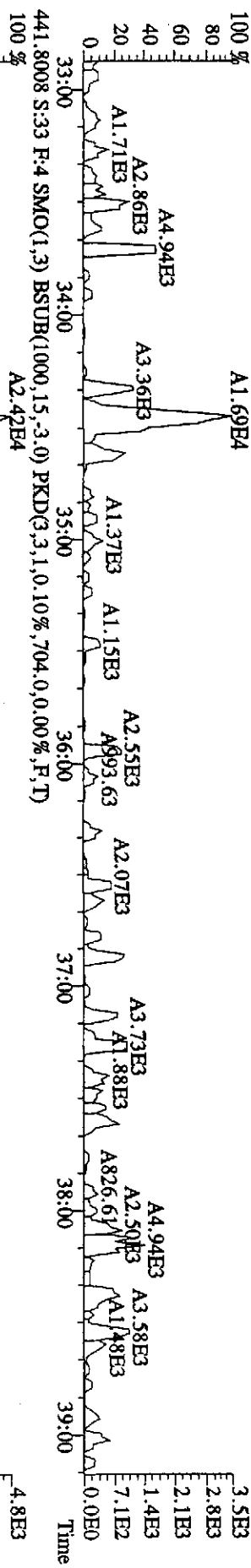




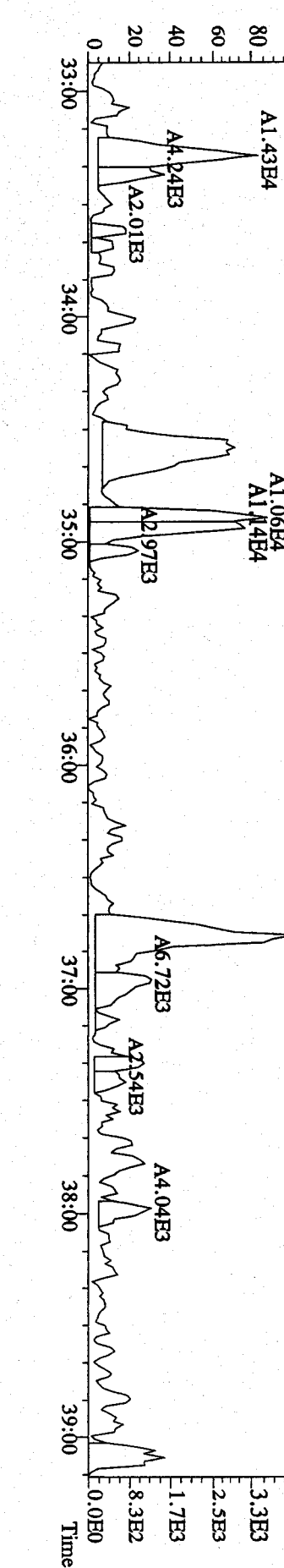
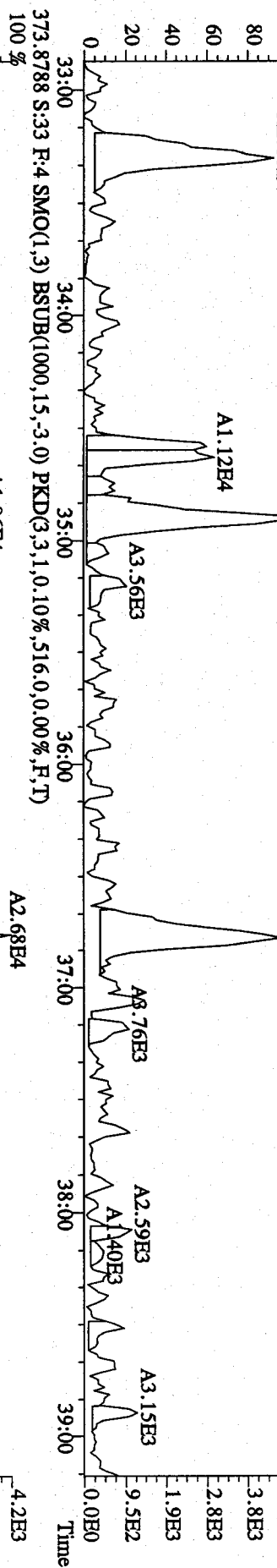
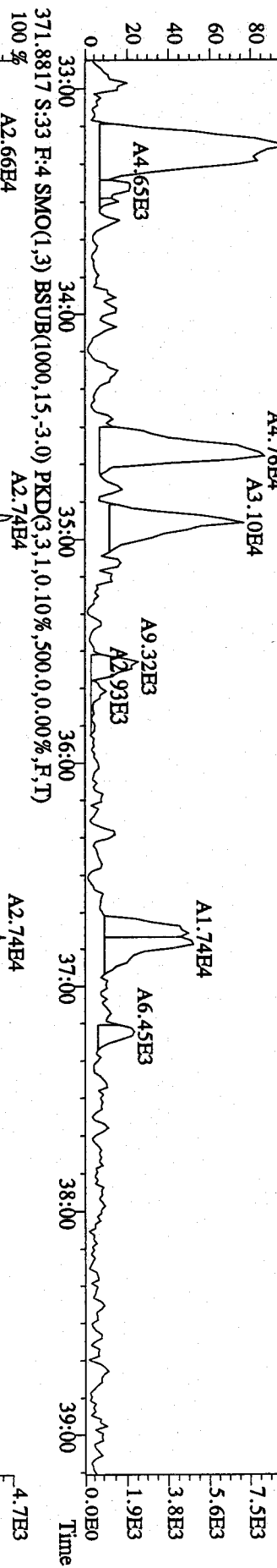
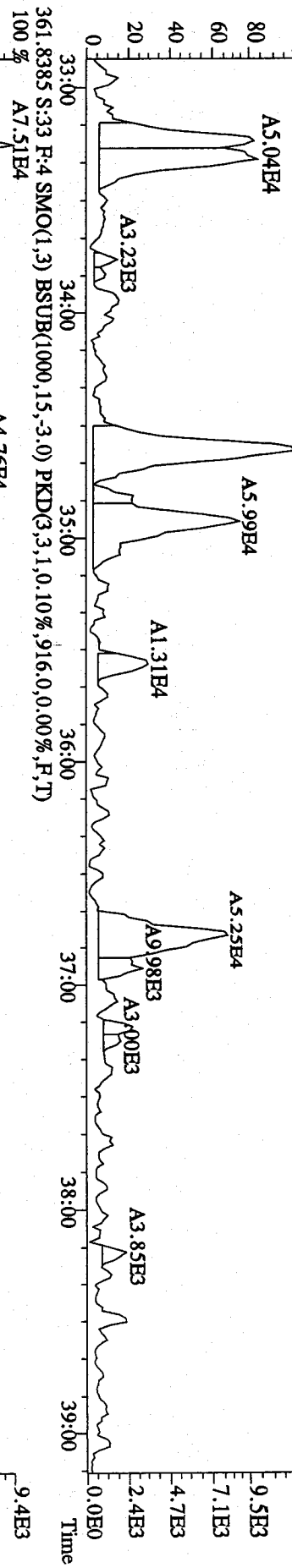
File:23DEB099D5 #1-596 Acq:24-DEC-2009 09:23:53 GC EI+ Voltage SIR Autospec-Ulimate  
Sample#33 Text:SB1222E :Solvent Blank C-12 Exp:209DB5  
323.8834 S:33 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,784,0,0,0,00%,F,T)  
A1.30E5



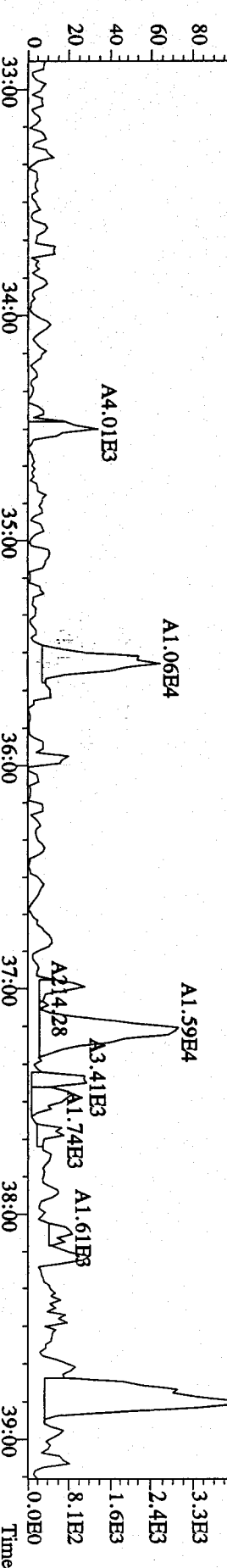
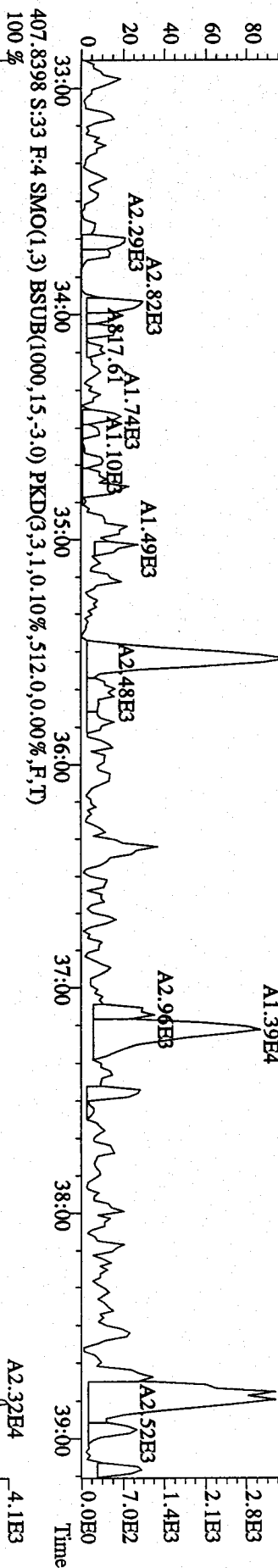
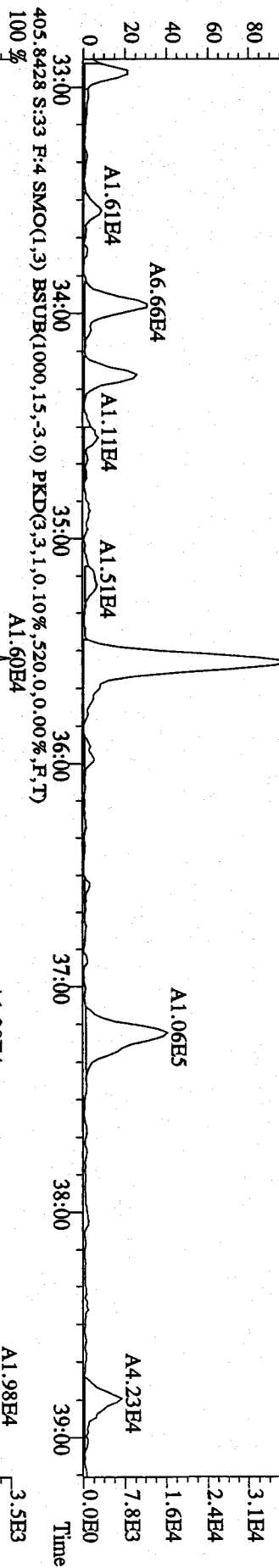
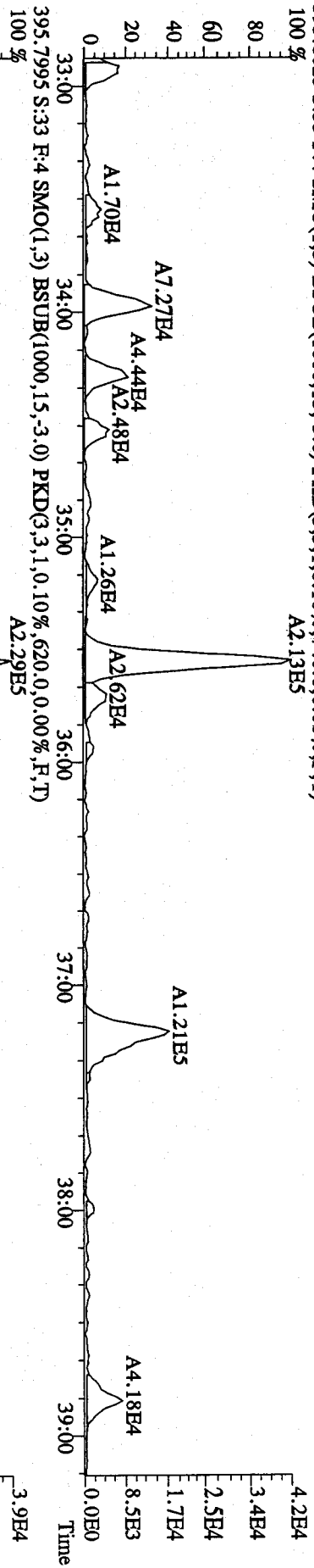
File: 23DHE099D5 #1-385 Acq: 24-DEC-2009 09:23:53 GC HI + Voltage SIR Autospec-Ultimate  
 Sample#33 Text: SB122E :Solvent Blank C-12 Exp: 209DB5  
 439.8038 S:33 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,0.0,0.00%,F,T)  
 441.8008 S:33 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,704,0,0.00%,F,T)



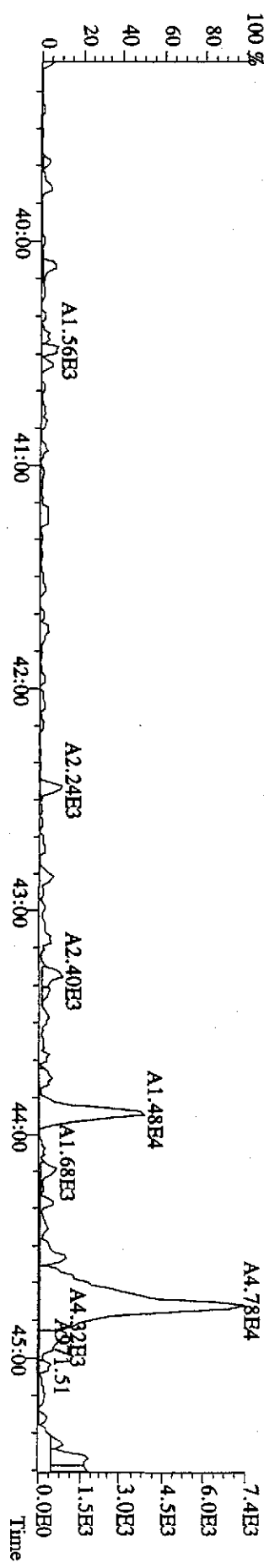
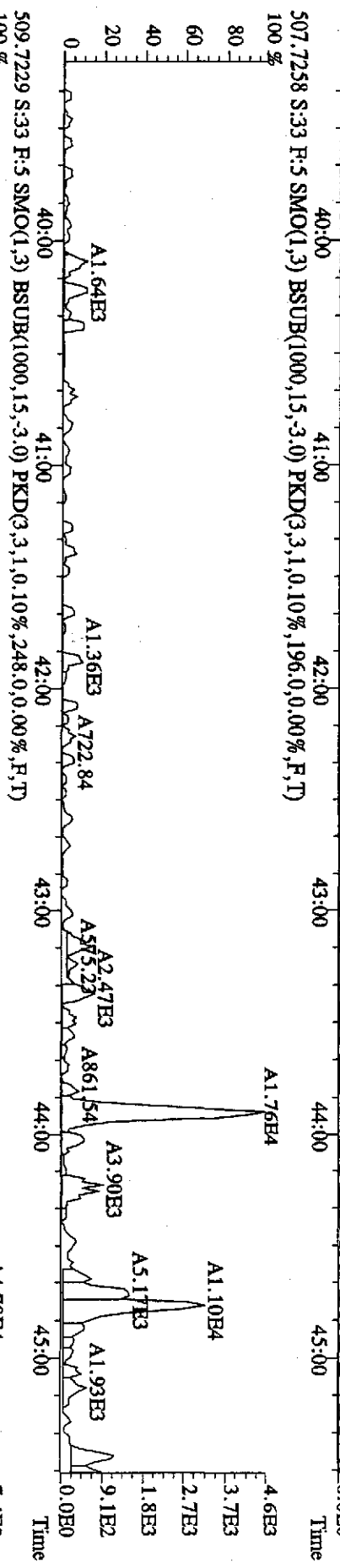
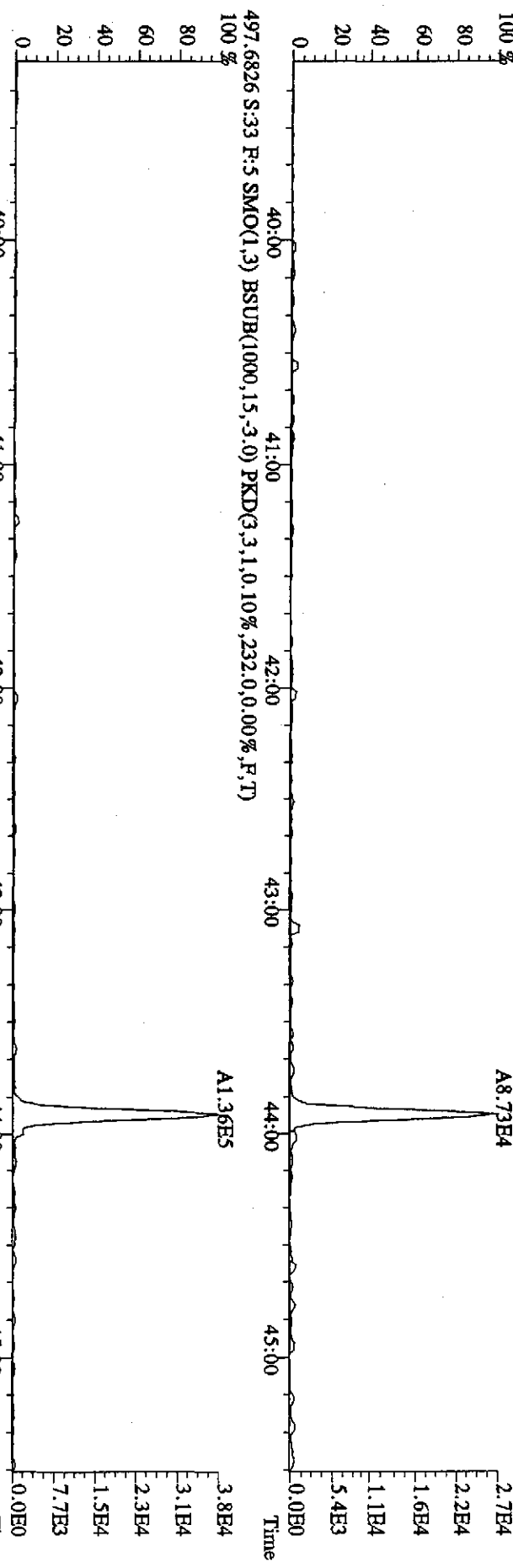
File:23DDE099D5 #1-385 Acq:24-DEC-2009 09:23:53 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#33 Text:SB1222B :Solvent Blank C-12 Exp:209DB5  
 359.8415 S:33 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1040,0,0,00%,F,T)  
 100 %



File: 23DBE099D5 #1-385 Acq: 24-DEC-2009 09:23:53 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#33 Text: SB1222E :Solvent Blank C-12 Exp: 209DB5  
 393.8025 S:33 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,740,0,0,00%,F,T)  
 100%



File:23DE099D5 #1-420 Acq:24-DEC-2009 09:23:53 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#33 Text:SB1222E :Solvent Blank C-12 Exp:209DB5  
 495.6856 S:33 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,144.0,0.00%,F,T)



## **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID (1668M)+(1668MSLDEC) 121609905

Method ID 1668M Date Scanned \_\_\_\_\_

Column ID DB-5 Instrument ID 905

STD ID's ST1216, ST1216(A-D) STD Solution 09DXM (205-209)

GC Program 209 DB5 Multiplier Setting 370 mV

Analyzed By KSS, AM Date Analyzed 12/16/09

Prepared By KSS Date Prepared 12/18/09

Reviewed By [Signature] Date Reviewed 12/18/09

Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓ ①	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

*no/no*  
2<sup>nd</sup> source has PCBs-118/106 C - 31% D, HoCP, C - 33% D. Needs to be reanalyzed.

① Te CB-44 out of ratio in CS1  
Hx CB-137

\*PCB: %RSD not to exceed ±20% for toxic and/or window defining natives (LOC natives.). All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%; S/N ≥ 2.5

1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 2.5

ST1216 : CS3 09DXN207 ST1216A : CS2 09DXN206 ST1216B : CS1 09DXN205  
 ST1216C : CS5 09DXN209 ST1216D : CS4 09DXN208

16DE09E9D516DE09E9D516DE09E9D516DE09E9D516DE09E9D516DE09E9D5

Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
				RRF1	RRF2	RRF3	RRF4	RRF5
13C-PecB-101	-	-	- %	-	-	-	-	-
13C-TCB-81	1.328	0.019	1.43 %	1.30	1.32	1.33	1.35	1.34
TCB-81	1.308	0.092	7.05 %	1.33	1.25	1.18	1.38	1.40
13C-TCB-77	1.378	0.043	3.14 %	1.33	1.33	1.41	1.40	1.42
TCB-77	1.153	0.069	5.96 %	1.15	1.09	1.08	1.21	1.23
13C-PecB-123	1.075	0.046	4.31 %	1.14	1.02	1.08	1.09	1.04
PecB-123	1.705	0.107	6.25 %	1.75	1.64	1.55	1.78	1.81
13C-PecB-118	1.104	0.051	4.59 %	1.13	1.05	1.16	1.13	1.05
PecB-118/106	1.776	0.071	3.99 %	1.80	1.66	1.77	1.80	1.85
13C-PecB-114	1.150	0.055	4.77 %	1.23	1.08	1.16	1.16	1.13
PecB-114	1.799	0.098	5.46 %	1.80	1.76	1.65	1.89	1.89
13C-PecB-105	1.103	0.069	6.25 %	1.19	1.02	1.13	1.12	1.06
PecB-105/127	1.618	0.082	5.06 %	1.64	1.56	1.51	1.67	1.71
13C-PecB-126	1.207	0.048	3.98 %	1.25	1.19	1.25	1.21	1.13
PecB-126	1.330	0.061	4.55 %	1.35	1.27	1.27	1.37	1.40
13C-OcCB-202	-	-	- %	-	-	-	-	-
13C-HxCB-167	1.228	0.072	5.84 %	1.11	1.22	1.24	1.27	1.30
HxCB-167	1.207	0.095	7.86 %	1.27	1.21	1.05	1.23	1.28
13C-HxCB-156	0.973	0.040	4.11 %	0.94	0.94	0.96	0.99	1.04
HxCB-156	1.468	0.117	7.97 %	1.52	1.39	1.30	1.55	1.58
13C-HxCB-157	1.040	0.030	2.84 %	1.02	1.02	1.03	1.05	1.09
HxCB-157	1.479	0.098	6.63 %	1.50	1.42	1.34	1.57	1.57
13C-HxCB-169	1.158	0.038	3.29 %	1.15	1.13	1.13	1.15	1.22
HxCB-169	0.978	0.066	6.75 %	0.99	0.94	0.89	1.03	1.05
13C-HpCB-180	0.811	0.030	3.74 %	0.86	0.81	0.79	0.80	0.79
HpCB-180	1.337	0.060	4.49 %	1.30	1.28	1.43	1.32	1.35
13C-HpCB-170	0.658	0.022	3.33 %	0.69	0.66	0.63	0.66	0.65
HpCB-170/190	1.617	0.055	3.41 %	1.61	1.55	1.59	1.67	1.68



13C-HpCB-189	0.909	0.043	4.74 %	0.98	0.92	0.89	0.89	0.86
HpCB-189	1.227	0.049	3.96 %	1.21	1.20	1.17	1.27	1.29
13C-DeCB-209	0.692	0.029	4.12 %	0.72	0.72	0.68	0.69	0.66
DeCB-209	1.533	0.077	4.99 %	1.56	1.52	1.41	1.59	1.59
13C-PeCB-111	1.278	0.054	4.26 %	1.25	1.36	1.30	1.21	1.28

Run #1    Filename 16DE09E9D5    S: 1    I: 1  
 Acquired: 16-DEC-09    13:59:53    Processed: 16-DEC-09    15:46:40  
 Run: 16DE09E9D5    Analyte: 1668MSLDEC    Cal: 1668MSLDEC1216099D5

## Comments:

Sample text: ST1216 :CS3 09DXN207

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	78567400	0.66 y	25:27	-	100.00	n
13C-TCB-81	102362900	0.80 y	27:00	1.3029	100.00	n
TCB-81	68227400	0.82 y	27:01	1.3330	50.00	n
13C-TCB-77	104416100	0.78 y	27:33	1.3290	100.00	n
TCB-77	59970000	0.82 y	27:34	1.1487	50.00	n
13C-PeCB-123	89836500	0.66 y	28:55	1.1434	100.00	n
PeCB-123	78387600	0.59 y	28:57	1.7451	50.00	n
13C-PeCB-118	89168200	0.65 y	29:04	1.1349	100.00	n
PeCB-118/106	80060200	0.62 y	29:05	1.7957	50.00	n
13C-PeCB-114	96465300	0.67 y	29:43	1.2278	100.00	n
PeCB-114	87037400	0.61 y	29:45	1.8045	50.00	n
13C-PeCB-105	93685100	0.67 y	30:36	1.1924	100.00	n
PeCB-105/127	76830600	0.61 y	30:37	1.6402	50.00	n
13C-PeCB-126	98076000	0.66 y	32:29	1.2483	100.00	n
PeCB-126	66091400	0.62 y	32:30	1.3478	50.00	n
13C-OcCB-202	99129400	0.90 y	34:47	-	100.00	n
13C-HxCB-167	110317200	1.25 y	33:36	1.1129	100.00	n
HxCB-167	70269200	1.26 y	33:37	1.2739	50.00	y
13C-HxCB-156	92945400	1.27 y	34:54	0.9376	100.00	n
HxCB-156	70540700	1.24 y	34:55	1.5179	50.00	n
13C-HxCB-157	101335700	1.28 y	35:13	1.0223	100.00	n
HxCB-157	75806400	1.21 y	35:15	1.4961	50.00	n
13C-HxCB-169	114357900	1.24 y	37:02	1.1536	100.00	n
HxCB-169	56406400	1.25 y	37:04	0.9865	50.00	n
13C-HpCB-180	85553600	1.01 y	35:51	0.8630	100.00	n
HpCB-180	55642200	1.06 y	35:52	1.3008	50.00	n
13C-HpCB-170	68562200	1.04 y	37:30	0.6916	100.00	n
HpCB-170/190	55251600	1.06 y	37:31	1.6117	50.00	n
13C-HpCB-189	96999400	1.02 y	39:07	0.9785	100.00	n
HpCB-189	58600800	1.09 y	39:08	1.2083	50.00	n
13C-DeCB-209	71244800	0.70 y	44:04	0.7187	100.00	n
DECB-209	55597200	0.71 y	44:05	1.5607	50.00	n
13C-PeCB-111	115190600	0.66 y	26:53	1.2482	100.00	n

Run #1 Filename 16DE09E9D5 S: 1 I: 1  
 Acquired: 16-DEC-09 13:59:53 Processed: 16-DEC-09 15:46:40  
 Run: 16DE09E9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC1216099D5

Comments:

Sample text: ST1216 :CS3 09DXN207

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	78567400	0.66 y	25:27	-	100.00 n
13C-TCB-81	102362900	0.80 y	27:00	1.3029	100.00 n
TCB-81	68227400	0.82 y	27:01	1.3330	50.00 n
13C-TCB-77	104416100	0.78 y	27:33	1.3290	100.00 n
TCB-77	59970000	0.82 y	27:34	1.1487	50.00 n
13C-PeCB-123	89836500	0.66 y	28:55	1.1434	100.00 n
PeCB-123	78387600	0.59 y	28:57	1.7451	50.00 n
13C-PeCB-118	89168200	0.65 y	29:04	1.1349	100.00 n
PeCB-118/106	80060200	0.62 y	29:05	1.7957	50.00 n
13C-PeCB-114	96465300	0.67 y	29:43	1.2278	100.00 n
PeCB-114	87037400	0.61 y	29:45	1.8045	50.00 n
13C-PeCB-105	93685100	0.67 y	30:36	1.1924	100.00 n
PeCB-105/127	76830600	0.61 y	30:37	1.6402	50.00 n
13C-PeCB-126	98076000	0.66 y	32:29	1.2483	100.00 n
PeCB-126	66091400	0.62 y	32:30	1.3478	50.00 n
13C-OcCB-202	99129400	0.90 y	34:47	-	100.00 n
13C-HxCB-167	110317200	1.25 y	33:36	1.1129	100.00 n
HxCB-167	121911700	1.23 y	33:37	2.2102	50.00 n
13C-HxCB-156	92945400	1.27 y	34:54	0.9376	100.00 n
HxCB-156	70540700	1.24 y	34:55	1.5179	50.00 n
13C-HxCB-157	101335700	1.28 y	35:13	1.0223	100.00 n
HxCB-157	75806400	1.21 y	35:15	1.4961	50.00 n
13C-HxCB-169	114357900	1.24 y	37:02	1.1536	100.00 n
HxCB-169	56406400	1.25 y	37:04	0.9865	50.00 n
13C-HpCB-180	85553600	1.01 y	35:51	0.8630	100.00 n
HpCB-180	55642200	1.06 y	35:52	1.3008	50.00 n
13C-HpCB-170	68562200	1.04 y	37:30	0.6916	100.00 n
HpCB-170/190	55251600	1.06 y	37:31	1.6117	50.00 n
13C-HpCB-189	96999400	1.02 y	39:07	0.9785	100.00 n
HpCB-189	58600800	1.09 y	39:08	1.2083	50.00 n
13C-DeCB-209	71244800	0.70 y	44:04	0.7187	100.00 n
DeCB-209	55597200	0.71 y	44:05	1.5607	50.00 n
13C-PeCB-111	115190600	0.66 y	26:53	1.2482	100.00 n

Run #2    Filename 16DE09E9D5    S: 2    I: 1  
 Acquired: 16-DEC-09    14:52:40    Processed: 16-DEC-09    15:46:42  
 Run: 16DE09E9D5    Analyte: 1668MSLDEC    Cal: 1668MSLDEC1216099D5

Comments:

Sample text: ST1216A :CS2 09DXN206

Name	Resp	RA	RT	RRF	Mod?
13C-PeCB-101	62142700	0.66 y	25:27	-	100.00 n
13C-TCB-81	81757300	0.81 y	27:00	1.3156	100.00 n
TCB-81	5091480	0.78 y	27:02	1.2455	5.00 n
13C-TCB-77	82888300	0.79 y	27:34	1.3338	100.00 n
TCB-77	4501940	0.80 y	27:35	1.0863	5.00 n
13C-PeCB-123	63600900	0.66 y	28:56	1.0235	100.00 n
PeCB-123	5224490	0.59 y	28:57	1.6429	5.00 n
13C-PeCB-118	65263000	0.66 y	29:04	1.0502	100.00 n
PeCB-118/106	5416630	0.61 y	29:05	1.6599	5.00 n
13C-PeCB-114	66898200	0.68 y	29:44	1.0765	100.00 n
PeCB-114	5887940	0.58 y	29:45	1.7603	5.00 n
13C-PeCB-105	63098900	0.66 y	30:36	1.0154	100.00 n
PeCB-105/127	4916470	0.62 y	30:37	1.5583	5.00 n
13C-PeCB-126	73911300	0.65 y	32:29	1.1894	100.00 n
PeCB-126	4684320	0.62 y	32:30	1.2676	5.00 n
13C-OcCB-202	70655300	0.91 y	34:47	-	100.00 n
13C-HxCB-167	86228300	1.21 y	33:36	1.2204	100.00 n
HxCB-167	5211550	1.18 y	33:37	1.2088	5.00 y
13C-HxCB-156	66721900	1.27 y	34:54	0.9443	100.00 n
HxCB-156	4653210	1.28 y	34:55	1.3948	5.00 n
13C-HxCB-157	71748600	1.26 y	35:13	1.0155	100.00 n
HxCB-157	5092610	1.25 y	35:14	1.4196	5.00 n
13C-HxCB-169	79703200	1.26 y	37:02	1.1281	100.00 n
HxCB-169	3743800	1.25 y	37:03	0.9394	5.00 n
13C-HpCB-180	57199500	1.04 y	35:51	0.8096	100.00 n
HpCB-180	3657660	1.14 y	35:52	1.2789	5.00 n
13C-HpCB-170	46517200	1.04 y	37:31	0.6584	100.00 n
HpCB-170/190	3594260	1.11 y	37:32	1.5453	5.00 n
13C-HpCB-189	64905100	1.02 y	39:07	0.9186	100.00 n
HpCB-189	3904770	1.16 y	39:08	1.2032	5.00 n
13C-DeCB-209	51178100	0.70 y	44:05	0.7243	100.00 n
DECB-209	3880350	0.72 y	44:06	1.5164	5.00 n
13C-PeCB-111	87797200	0.67 y	26:53	1.3567	100.00 n

Run #2    Filename 16DE09E9D5    S: 2    I: 1  
 Acquired: 16-DEC-09    14:52:40    Processed: 16-DEC-09    15:46:42  
 Run: 16DE09E9D5    Analyte: 1668MSLDEC    Cal: 1668MSLDEC1216099D5

Comments:

Sample text: ST1216A :CS2 09DXN206

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	62142700	0.66 y	25:27	-	100.00	n
13C-TCB-81	81757300	0.81 y	27:00	1.3156	100.00	n
TCB-81	5091480	0.78 y	27:02	1.2455	5.00	n
13C-TCB-77	82888300	0.79 y	27:34	1.3338	100.00	n
TCB-77	4501940	0.80 y	27:35	1.0863	5.00	n
13C-PeCB-123	63600900	0.66 y	28:56	1.0235	100.00	n
PeCB-123	5224490	0.59 y	28:57	1.6429	5.00	n
13C-PeCB-118	65263000	0.66 y	29:04	1.0502	100.00	n
PeCB-118/106	5416630	0.61 y	29:05	1.6599	5.00	n
13C-PeCB-114	66898200	0.68 y	29:44	1.0765	100.00	n
PeCB-114	5887940	0.58 y	29:45	1.7603	5.00	n
13C-PeCB-105	63098900	0.66 y	30:36	1.0154	100.00	n
PeCB-105/127	4916470	0.62 y	30:37	1.5583	5.00	n
13C-PeCB-126	73911300	0.65 y	32:29	1.1894	100.00	n
PeCB-126	4684320	0.62 y	32:30	1.2676	5.00	n
13C-OcCB-202	70655300	0.91 y	34:47	-	100.00	n
13C-HxCB-167	86228300	1.21 y	33:36	1.2204	100.00	n
HxCB-167	8748730	1.20 y	33:37	2.0292	5.00	n
13C-HxCB-156	66721900	1.27 y	34:54	0.9443	100.00	n
HxCB-156	4653210	1.28 y	34:55	1.3948	5.00	n
13C-HxCB-157	71748600	1.26 y	35:13	1.0155	100.00	n
HxCB-157	5092610	1.25 y	35:14	1.4196	5.00	n
13C-HxCB-169	79703200	1.26 y	37:02	1.1281	100.00	n
HxCB-169	3743800	1.25 y	37:03	0.9394	5.00	n
13C-HpCB-180	57199500	1.04 y	35:51	0.8096	100.00	n
HpCB-180	3657660	1.14 y	35:52	1.2789	5.00	n
13C-HpCB-170	46517200	1.04 y	37:31	0.6584	100.00	n
HpCB-170/190	3594260	1.11 y	37:32	1.5453	5.00	n
13C-HpCB-189	64905100	1.02 y	39:07	0.9186	100.00	n
HpCB-189	3904770	1.16 y	39:08	1.2032	5.00	n
13C-DeCB-209	51178100	0.70 y	44:05	0.7243	100.00	n
DECB-209	3880350	0.72 y	44:06	1.5164	5.00	n
13C-PeCB-111	87797200	0.67 y	26:53	1.3567	100.00	n

Run #3    Filename 16DE09E9D5    S: 3    I: 1  
 Acquired: 16-DEC-09    15:44:01    Processed: 16-DEC-09    16:32:05  
 Run: 16DE09E9D5    Analyte: 1668MSLDEC    Cal: 1668MSLDEC1216099D5

Comments:

Sample text: ST1216B :CS1 09DXN205

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	61769900	0.66 y	25:26	-	100.00	n
13C-TCB-81	82163000	0.79 y	27:00	1.3301	100.00	n
TCB-81	971025	0.74 y	27:01	1.1818	1.00	n
13C-TCB-77	87031900	0.80 y	27:34	1.4090	100.00	n
TCB-77	944121	0.79 y	27:35	1.0848	1.00	n
13C-PeCB-123	66517400	0.66 y	28:55	1.0769	100.00	n
PeCB-123	1031939	0.58 y	28:56	1.5514	1.00	n
13C-PeCB-118	71588700	0.66 y	29:03	1.1590	100.00	n
PeCB-118/106	1268448	0.56 y	29:04	1.7719	1.00	n
13C-PeCB-114	71707800	0.66 y	29:43	1.1609	100.00	n
PeCB-114	1185543	0.60 y	29:44	1.6533	1.00	n
13C-PeCB-105	69960000	0.67 y	30:35	1.1326	100.00	n
PeCB-105/127	1056220	0.59 y	30:36	1.5097	1.00	n
13C-PeCB-126	77056800	0.65 y	32:28	1.2475	100.00	n
PeCB-126	976537	0.55 y	32:29	1.2673	1.00	n
13C-OcCB-202	72502700	0.86 y	34:46	-	100.00	n
13C-HxCB-167	89660400	1.26 y	33:36	1.2366	100.00	n
HxCB-167	937413	1.30 y	33:37	1.0455	1.00	y
13C-HxCB-156	69488800	1.26 y	34:53	0.9584	100.00	n
HxCB-156	903713	1.31 y	34:54	1.3005	1.00	n
13C-HxCB-157	74437800	1.26 y	35:12	1.0267	100.00	n
HxCB-157	999231	1.30 y	35:13	1.3424	1.00	n
13C-HxCB-169	82106900	1.26 y	37:01	1.1325	100.00	n
HxCB-169	728231	1.20 y	37:02	0.8869	1.00	n
13C-HpCB-180	57148500	1.06 y	35:50	0.7882	100.00	n
HpCB-180	819466	1.15 y	35:51	1.4339	1.00	n
13C-HpCB-170	45762000	1.04 y	37:30	0.6312	100.00	n
HpCB-170/190	725527	1.13 y	37:31	1.5854	1.00	n
13C-HpCB-189	64821400	1.03 y	39:06	0.8941	100.00	n
HpCB-189	758292	1.14 y	39:07	1.1698	1.00	n
13C-DeCB-209	48980000	0.71 y	44:04	0.6756	100.00	n
DECB-209	689117	0.78 y	44:05	1.4069	1.00	n
13C-PeCB-111	90577700	0.66 y	26:52	1.2950	100.00	n

Run #3 Filename 16DE09E9D5 S: 3 I: 1  
 Acquired: 16-DEC-09 15:44:01 Processed: 16-DEC-09 16:32:05  
 Run: 16DE09E9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC1216099D5  
 Comments:

Sample text: ST1216B :CS1 09DXN205

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	61769900	0.66 y	25:26	-	100.00	n
13C-TCB-81	82163000	0.79 y	27:00	1.3301	100.00	n
TCB-81	971025	0.74 y	27:01	1.1818	1.00	n
13C-TCB-77	87031900	0.80 y	27:34	1.4090	100.00	n
TCB-77	944121	0.79 y	27:35	1.0848	1.00	n
13C-PeCB-123	66517400	0.66 y	28:55	1.0769	100.00	n
PeCB-123	1031939	0.58 y	28:56	1.5514	1.00	n
13C-PeCB-118	71588700	0.66 y	29:03	1.1590	100.00	n
PeCB-118/106	1268448	0.56 y	29:04	1.7719	1.00	n
13C-PeCB-114	71707800	0.66 y	29:43	1.1609	100.00	n
PeCB-114	1185543	0.60 y	29:44	1.6533	1.00	n
13C-PeCB-105	69960000	0.67 y	30:35	1.1326	100.00	n
PeCB-105/127	1056220	0.59 y	30:36	1.5097	1.00	n
13C-PeCB-126	77056800	0.65 y	32:28	1.2475	100.00	n
PeCB-126	976537	0.55 y	32:29	1.2673	1.00	n
13C-OcCB-202	72502700	0.86 y	34:46	-	100.00	n
13C-HxCB-167	89660400	1.26 y	33:36	1.2366	100.00	n
HxCB-167	912919	2.38 n	33:37	1.0182	1.00	n
13C-HxCB-156	69488800	1.26 y	34:53	0.9584	100.00	n
HxCB-156	903713	1.31 y	34:54	1.3005	1.00	n
13C-HxCB-157	74437800	1.26 y	35:12	1.0267	100.00	n
HxCB-157	999231	1.30 y	35:13	1.3424	1.00	n
13C-HxCB-169	82106900	1.26 y	37:01	1.1325	100.00	n
HxCB-169	728231	1.20 y	37:02	0.8869	1.00	n
13C-HpCB-180	57148500	1.06 y	35:50	0.7882	100.00	n
HpCB-180	819466	1.15 y	35:51	1.4339	1.00	n
13C-HpCB-170	45762000	1.04 y	37:30	0.6312	100.00	n
HpCB-170/190	725527	1.13 y	37:31	1.5854	1.00	n
13C-HpCB-189	64821400	1.03 y	39:06	0.8941	100.00	n
HpCB-189	758292	1.14 y	39:07	1.1698	1.00	n
13C-DeCB-209	48980000	0.71 y	44:04	0.6756	100.00	n
DECB-209	689117	0.78 y	44:05	1.4069	1.00	n
13C-PeCB-111	90577700	0.66 y	26:52	1.2950	100.00	n

Run #4    Filename 16DE09E9D5    S: 4    I: 1  
 Acquired: 16-DEC-09    16:35:23    Processed: 16-DEC-09    17:24:42  
 Run: 16DE09E9D5    Analyte: 1668MSLDEC    Cal: 1668MSLDEC1216099D5  
 Comments:

Sample text: ST1216C :CS5 09DXN209

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	69374200	0.67 y	25:26	-	100.00	n
13C-TCB-81	93723000	0.77 y	26:59	1.3510	100.00	n
TCB-81	648567000	0.75 y	27:00	1.3840	500.00	n
13C-TCB-77	96843700	0.79 y	27:33	1.3960	100.00	n
TCB-77	587271000	0.74 y	27:34	1.2128	500.00	n
13C-PeCB-123	75520000	0.67 y	28:55	1.0886	100.00	n
PeCB-123	670344000	0.61 y	28:56	1.7753	500.00	n
13C-PeCB-118	78167000	0.68 y	29:04	1.1267	100.00	n
PeCB-118/106	705366000	0.61 y	29:05	1.8048	500.00	n
13C-PeCB-114	80231200	0.68 y	29:43	1.1565	100.00	n
PeCB-114	756406000	0.61 y	29:44	1.8856	500.00	n
13C-PeCB-105	77636400	0.68 y	30:35	1.1191	100.00	n
PeCB-105/127	649314000	0.59 y	30:36	1.6727	500.00	n
13C-PeCB-126	84272500	0.66 y	32:28	1.2148	100.00	n
PeCB-126	575457000	0.61 y	32:29	1.3657	500.00	n
13C-OcCB-202	83979600	0.88 y	34:47	-	100.00	n
13C-HxCB-167	106724300	1.25 y	33:36	1.2708	100.00	n
HxCB-167	655829000	1.22 y	33:37	1.2290	500.00	y
13C-HxCB-156	83065500	1.27 y	34:53	0.9891	100.00	n
HxCB-156	641899000	1.21 y	34:54	1.5455	500.00	n
13C-HxCB-157	88175900	1.28 y	35:12	1.0500	100.00	n
HxCB-157	692386000	1.24 y	35:13	1.5705	500.00	n
13C-HxCB-169	96788300	1.28 y	37:01	1.1525	100.00	n
HxCB-169	497825000	1.24 y	37:02	1.0287	500.00	n
13C-HpCB-180	67089300	1.04 y	35:51	0.7989	100.00	n
HpCB-180	443933000	1.10 y	35:52	1.3234	500.00	n
13C-HpCB-170	55392300	1.04 y	37:30	0.6596	100.00	n
HpCB-170/190	461925000	1.09 y	37:31	1.6678	500.00	n
13C-HpCB-189	74836900	1.04 y	39:06	0.8911	100.00	n
HpCB-189	474442000	1.09 y	39:07	1.2679	500.00	n
13C-DeCB-209	57623300	0.73 y	44:04	0.6862	100.00	n
DECB-209	457775000	0.71 y	44:04	1.5889	500.00	n
13C-PeCB-111	94331300	0.65 y	26:53	1.2111	100.00	n



Run #4 Filename 16DE09E9D5 S: 4 I: 1  
 Acquired: 16-DEC-09 16:35:23 Processed: 16-DEC-09 17:24:42  
 Run: 16DE09E9D5 Analyte: 1668MSLDEC Cal: 1668MSLDEC1216099D5

Comments:

Sample text: ST1216C :CS5 09DXN209

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	69374200	0.67 y	25:26	-	100.00	n
13C-TCB-81	93723000	0.77 y	26:59	1.3510	100.00	n
TCB-81	648567000	0.75 y	27:00	1.3840	500.00	n
13C-TCB-77	96843700	0.79 y	27:33	1.3960	100.00	n
TCB-77	587271000	0.74 y	27:34	1.2128	500.00	n
13C-PeCB-123	75520000	0.67 y	28:55	1.0886	100.00	n
PeCB-123	670344000	0.61 y	28:56	1.7753	500.00	n
13C-PeCB-118	78167000	0.68 y	29:04	1.1267	100.00	n
PeCB-118/106	705366000	0.61 y	29:05	1.8048	500.00	n
13C-PeCB-114	80231200	0.68 y	29:43	1.1565	100.00	n
PeCB-114	756406000	0.61 y	29:44	1.8856	500.00	n
13C-PeCB-105	77636400	0.68 y	30:35	1.1191	100.00	n
PeCB-105/127	649314000	0.59 y	30:36	1.6727	500.00	n
13C-PeCB-126	84272500	0.66 y	32:28	1.2148	100.00	n
PeCB-126	575457000	0.61 y	32:29	1.3657	500.00	n
13C-OcCB-202	83979600	0.88 y	34:47	-	100.00	n
13C-HxCB-167	106724300	1.25 y	33:36	1.2708	100.00	n
HxCB-167	1161419000	1.20 y	33:37	2.1765	500.00	n
13C-HxCB-156	83065500	1.27 y	34:53	0.9891	100.00	n
HxCB-156	641899000	1.21 y	34:54	1.5455	500.00	n
13C-HxCB-157	88175900	1.28 y	35:12	1.0500	100.00	n
HxCB-157	692386000	1.24 y	35:13	1.5705	500.00	n
13C-HxCB-169	96788300	1.28 y	37:01	1.1525	100.00	n
HxCB-169	497825000	1.24 y	37:02	1.0287	500.00	n
13C-HpCB-180	67089300	1.04 y	35:51	0.7989	100.00	n
HpCB-180	443933000	1.10 y	35:52	1.3234	500.00	n
13C-HpCB-170	55392300	1.04 y	37:30	0.6596	100.00	n
HpCB-170/190	461925000	1.09 y	37:31	1.6678	500.00	n
13C-HpCB-189	74836900	1.04 y	39:06	0.8911	100.00	n
HpCB-189	474442000	1.09 y	39:07	1.2679	500.00	n
13C-DeCB-209	57623300	0.73 y	44:04	0.6862	100.00	n
DECB-209	457775000	0.71 y	44:04	1.5889	500.00	n
13C-PeCB-111	94331300	0.65 y	26:53	1.2111	100.00	n

Run #5    Filename 16DE09E9D5    S: 5    I: 1  
 Acquired: 16-DEC-09 17:26:45    Processed: 16-DEC-09 18:15:30  
 Run: 16DE09E9D5    Analyte: 1668MSLDEC    Cal: 1668MSLDEC1216099D5

Comments:

Sample text: ST1216D :CS4 09DXN208

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	92328800	0.67 y	25:26	-	100.00	n
13C-TCB-81	123628600	0.78 y	26:59	1.3390	100.00	n
TCB-81	345255000	0.76 y	27:00	1.3963	200.00	n
13C-TCB-77	131211700	0.79 y	27:33	1.4211	100.00	n
TCB-77	323207000	0.76 y	27:34	1.2316	200.00	n
13C-PeCB-123	96266400	0.66 y	28:55	1.0426	100.00	n
PeCB-123	348820000	0.59 y	28:56	1.8117	200.00	n
13C-PeCB-118	96984200	0.68 y	29:03	1.0504	100.00	n
PeCB-118/106	358742000	0.56 y	29:04	1.8495	200.00	n
13C-PeCB-114	104262000	0.66 y	29:42	1.1292	100.00	n
PeCB-114	394114000	0.59 y	29:44	1.8900	200.00	n
13C-PeCB-105	97491500	0.67 y	30:35	1.0559	100.00	n
PeCB-105/127	332928000	0.60 y	30:36	1.7075	200.00	n
13C-PeCB-126	104582800	0.65 y	32:28	1.1327	100.00	n
PeCB-126	293308000	0.58 y	32:29	1.4023	200.00	n
13C-OcCB-202	108513900	0.86 y	34:46	-	100.00	n
13C-HxCB-167	141227100	1.28 y	33:36	1.3015	100.00	n
HxCB-167	360840000	1.25 y	33:37	1.2775	200.00	y
13C-HxCB-156	112327300	1.28 y	34:53	1.0351	100.00	n
HxCB-156	355222000	1.24 y	34:54	1.5812	200.00	n
13C-HxCB-157	118059400	1.29 y	35:12	1.0880	100.00	n
HxCB-157	369850000	1.24 y	35:13	1.5664	200.00	n
13C-HxCB-169	132692400	1.29 y	37:01	1.2228	100.00	n
HxCB-169	278297000	1.25 y	37:02	1.0487	200.00	n
13C-HpCB-180	86118300	1.05 y	35:50	0.7936	100.00	n
HpCB-180	232346000	1.08 y	35:51	1.3490	200.00	n
13C-HpCB-170	70536900	1.05 y	37:29	0.6500	100.00	n
HpCB-170/190	236357000	1.08 y	37:31	1.6754	200.00	n
13C-HpCB-189	93841600	1.04 y	39:06	0.8648	100.00	n
HpCB-189	241541000	1.13 y	39:07	1.2870	200.00	n
13C-DeCB-209	71333900	0.71 y	44:04	0.6574	100.00	n
DECB-209	226971700	0.72 y	44:04	1.5909	200.00	n
13C-PeCB-111	126097300	0.66 y	26:52	1.2769	100.00	n

Run #5    Filename 16DE09E9D5    S: 5    I: 1  
 Acquired: 16-DEC-09    17:26:45    Processed: 16-DEC-09    18:15:30  
 Run: 16DE09E9D5    Analyte: 1668MSLDEC    Cal: 1668MSLDEC1216099D5

## Comments:

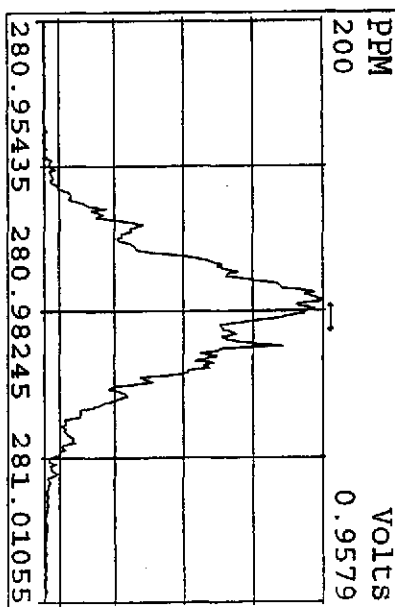
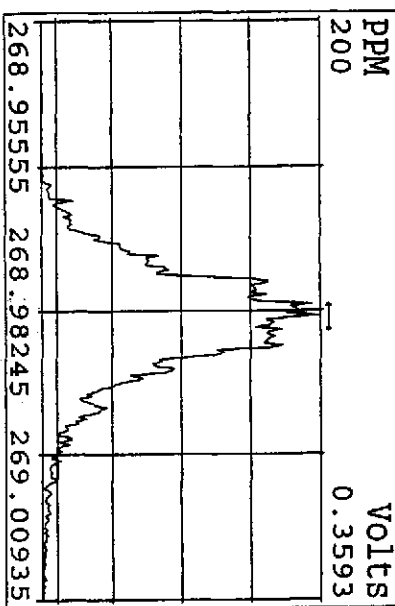
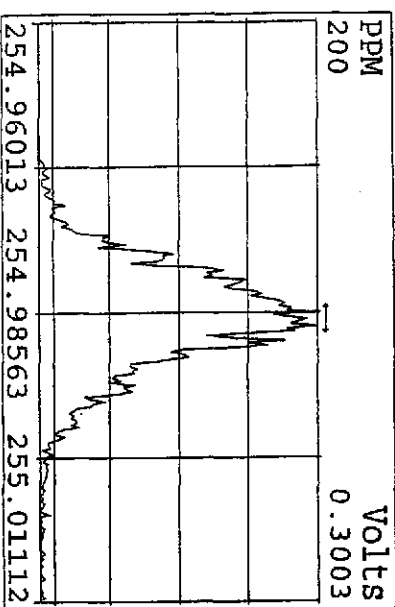
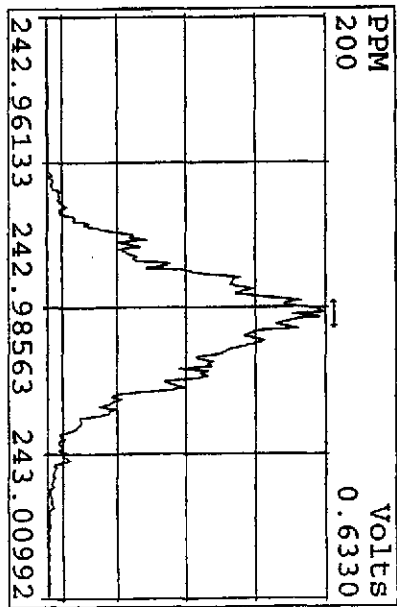
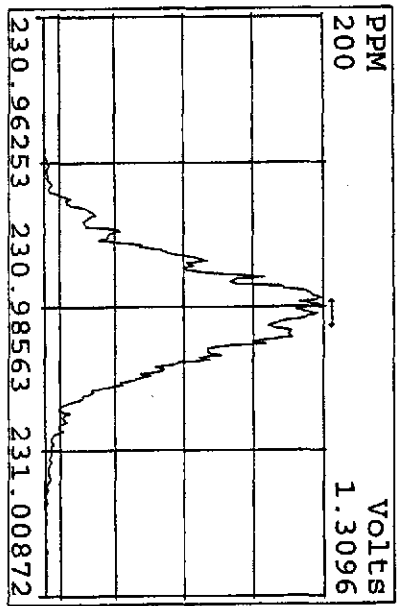
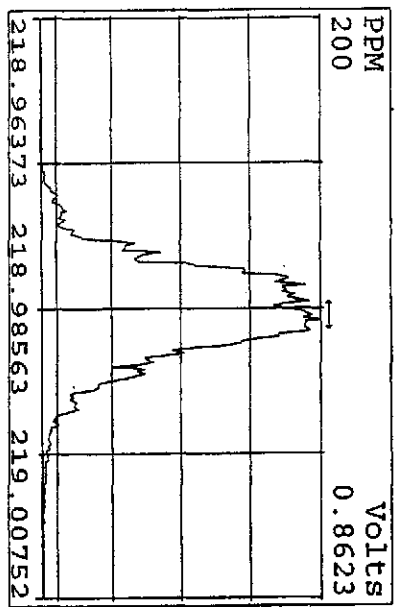
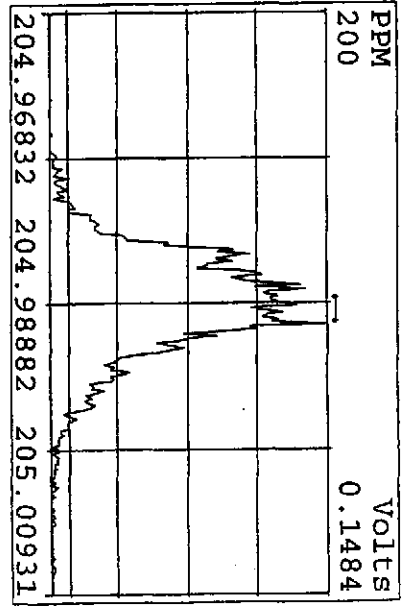
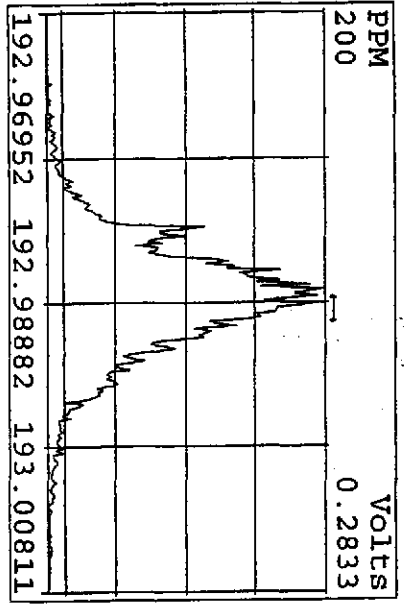
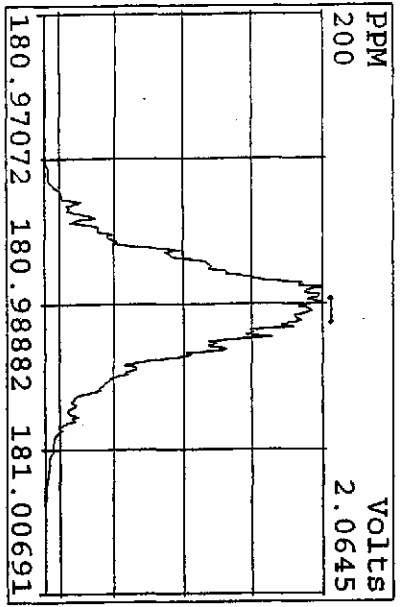
Sample text: ST1216D :CS4 09DXN208

Name	Resp	RA	RT	RRF		Mod?
13C-PeCB-101	92328800	0.67 y	25:26	-	100.00	n
13C-TCB-81	123628600	0.78 y	26:59	1.3390	100.00	n
TCB-81	345255000	0.76 y	27:00	1.3963	200.00	n
13C-TCB-77	131211700	0.79 y	27:33	1.4211	100.00	n
TCB-77	323207000	0.76 y	27:34	1.2316	200.00	n
13C-PeCB-123	96266400	0.66 y	28:55	1.0426	100.00	n
PeCB-123	348820000	0.59 y	28:56	1.8117	200.00	n
13C-PeCB-118	96984200	0.68 y	29:03	1.0504	100.00	n
PeCB-118/106	358742000	0.56 y	29:04	1.8495	200.00	n
13C-PeCB-114	104262000	0.66 y	29:42	1.1292	100.00	n
PeCB-114	394114000	0.59 y	29:44	1.8900	200.00	n
13C-PeCB-105	97491500	0.67 y	30:35	1.0559	100.00	n
PeCB-105/127	332928000	0.60 y	30:36	1.7075	200.00	n
13C-PeCB-126	104582800	0.65 y	32:28	1.1327	100.00	n
PeCB-126	293308000	0.58 y	32:29	1.4023	200.00	n
13C-OcCB-202	108513900	0.86 y	34:46	-	100.00	n
13C-HxCB-167	141227100	1.28 y	33:36	1.3015	100.00	n
HxCB-167	628684000	1.23 y	33:37	2.2258	200.00	n
13C-HxCB-156	112327300	1.28 y	34:53	1.0351	100.00	n
HxCB-156	355222000	1.24 y	34:54	1.5812	200.00	n
13C-HxCB-157	118059400	1.29 y	35:12	1.0880	100.00	n
HxCB-157	369850000	1.24 y	35:13	1.5664	200.00	n
13C-HxCB-169	132692400	1.29 y	37:01	1.2228	100.00	n
HxCB-169	278297000	1.25 y	37:02	1.0487	200.00	n
13C-HpCB-180	86118300	1.05 y	35:50	0.7936	100.00	n
HpCB-180	232346000	1.08 y	35:51	1.3490	200.00	n
13C-HpCB-170	70536900	1.05 y	37:29	0.6500	100.00	n
HpCB-170/190	236357000	1.08 y	37:31	1.6754	200.00	n
13C-HpCB-189	93841600	1.04 y	39:06	0.8648	100.00	n
HpCB-189	241541000	1.13 y	39:07	1.2870	200.00	n
13C-DeCB-209	71333900	0.71 y	44:04	0.6574	100.00	n
DECB-209	226971700	0.72 y	44:04	1.5909	200.00	n
13C-PeCB-111	126097300	0.66 y	26:52	1.2769	100.00	n

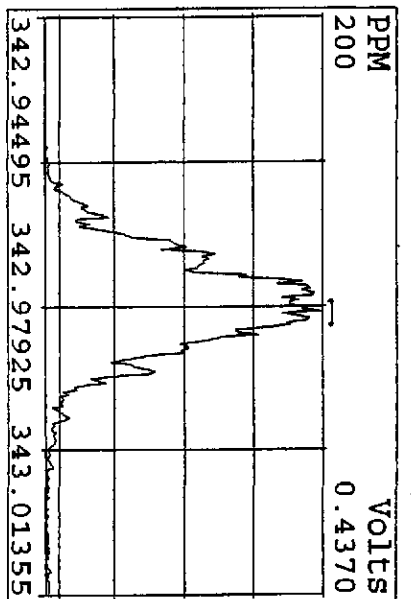
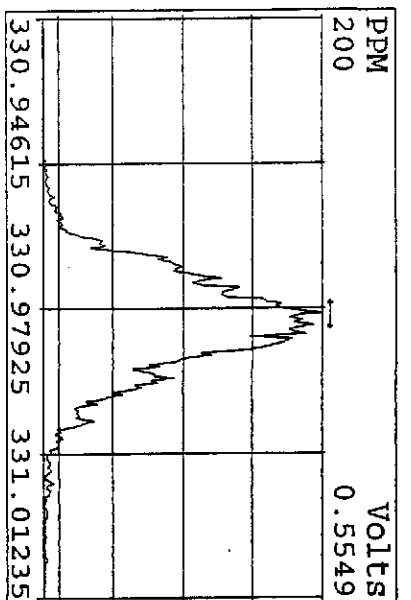
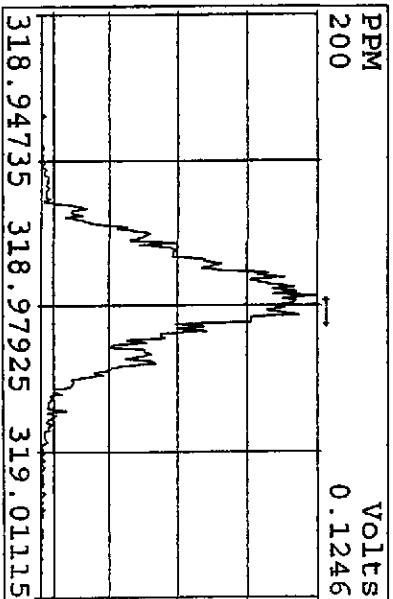
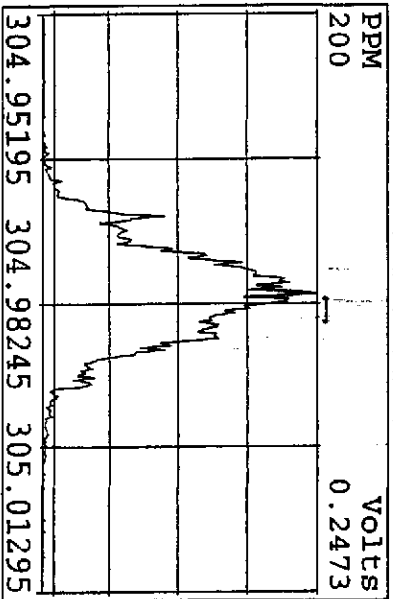
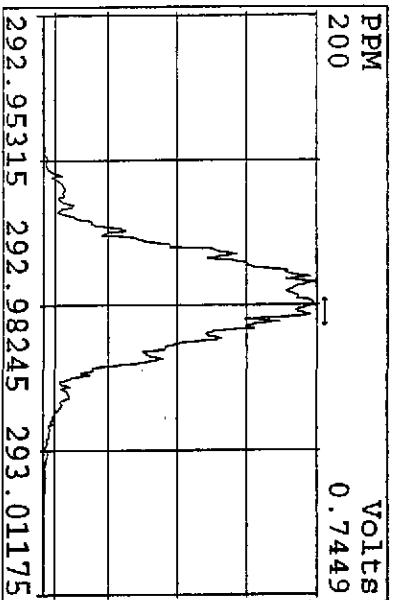
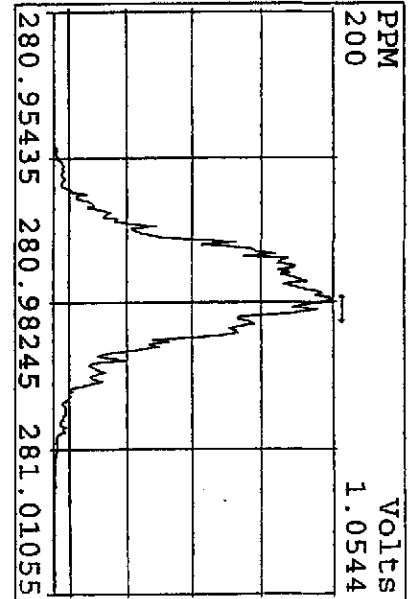
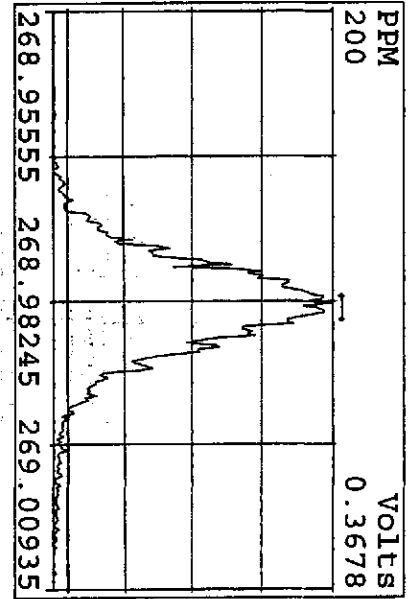
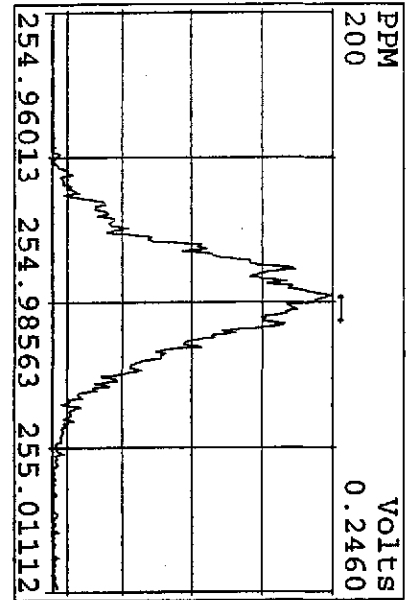
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16DE09E9D5	2	ST1216A	CS2 09DXN206			1.00000	
16DE09E9D5	3	ST1216B	CS1 09DXN205			1.00000	
16DE09E9D5	4	ST1216C	CS5 09DXN209			1.00000	
16DE09E9D5	5	ST1216D	CS4 09DXN208			1.00000	
16DE09E9D5	6	ST1216E	2nd Source 09DXN413	1668		1.00000	
16DE09E9D5	7					1.00000	
16DE09E9D5	8					1.00000	
16DE09E9D5	9					1.00000	
16DE09E9D5	10		KSS, AM 12-16-09			1.00000	

16DE09E9D5 1 ST1216 CS3 09DXN207 1.00000  
 16DE09E9D5 2 ST1216A CS2 09DXN206 1.00000  
 16DE09E9D5 3 ST1216B CS1 09DXN205 1.00000  
 16DE09E9D5 4 ST1216C CS5 09DXN209 1.00000  
 16DE09E9D5 5 ST1216D CS4 09DXN208 1.00000  
 16DE09E9D5 6 ST1216E 2nd Source 09DXN413 1668 1.00000  
 16DE09E9D5 7 1.00000  
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 16DE09E9D5 10 KSS, AM 12-16-09 1.00000

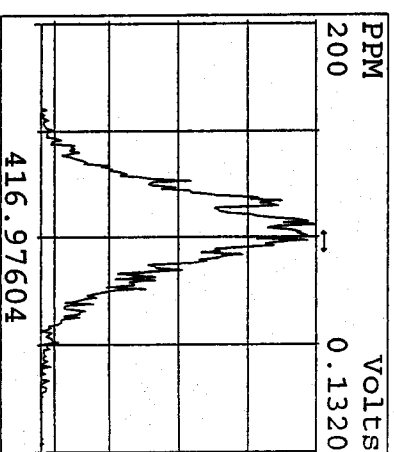
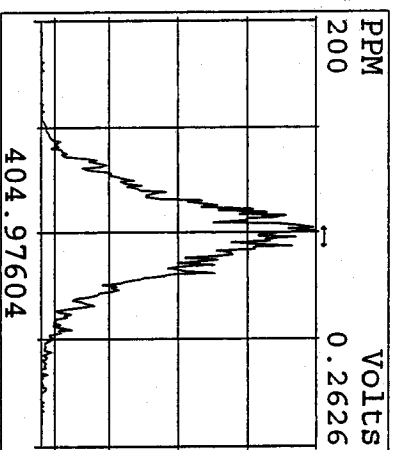
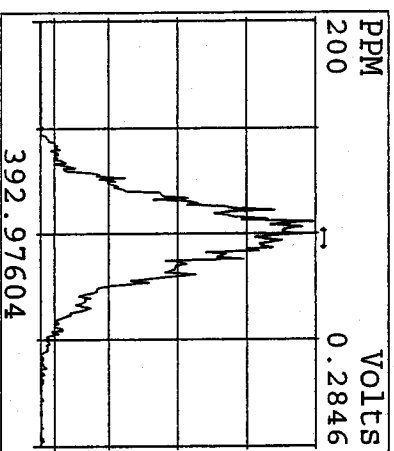
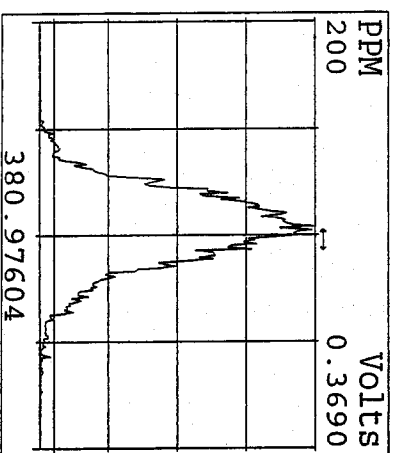
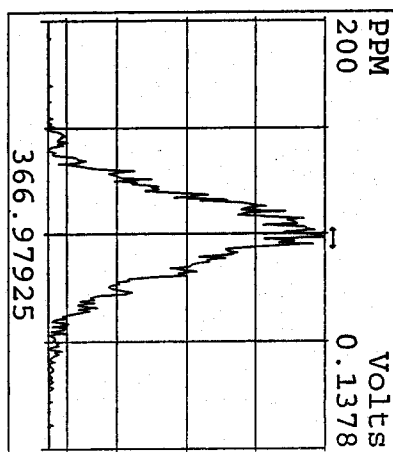
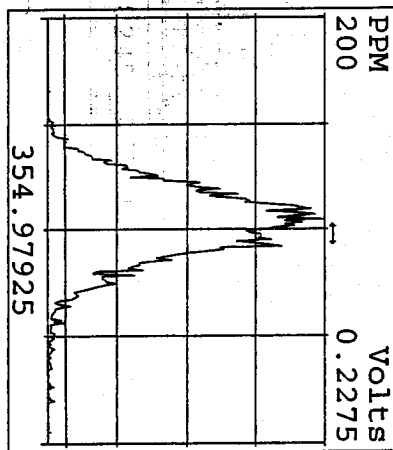
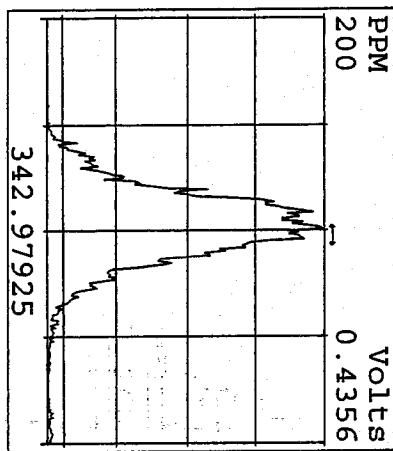
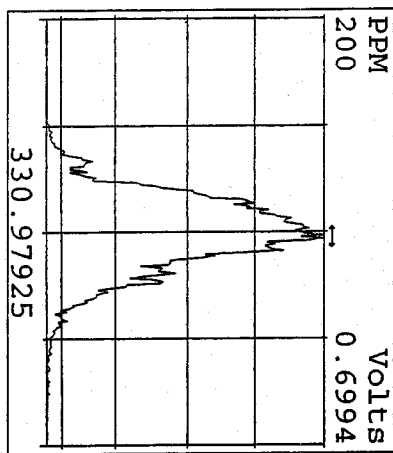
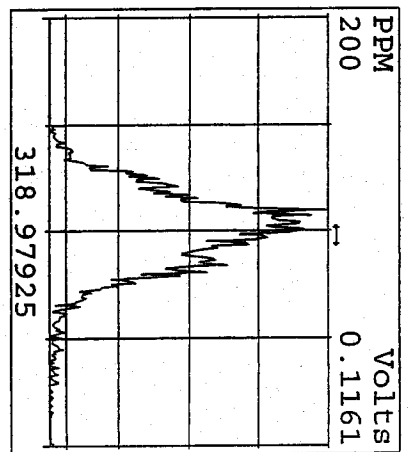
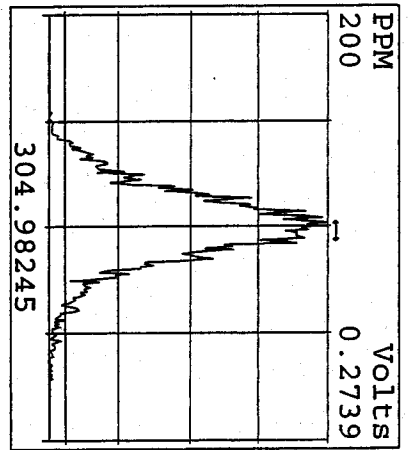
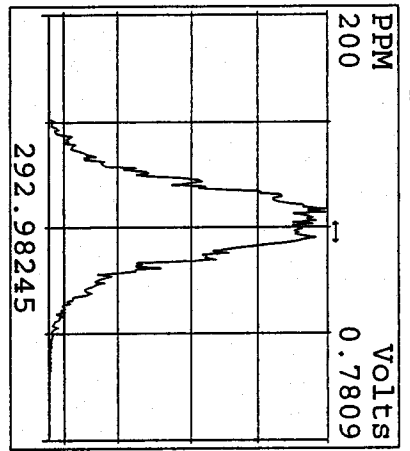
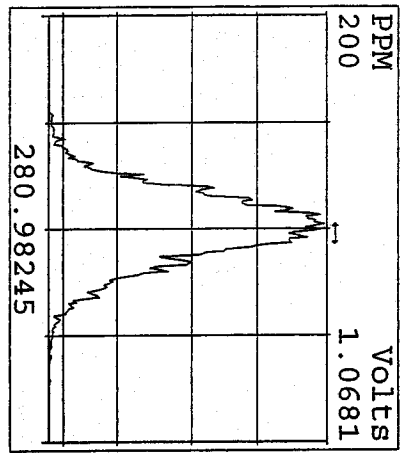
Peak Locate Examination: 16-DEC-2009: 13:57 File: 16DF09E9D5  
 Experiment: 209DB5 Function: 1 Reference: PFK



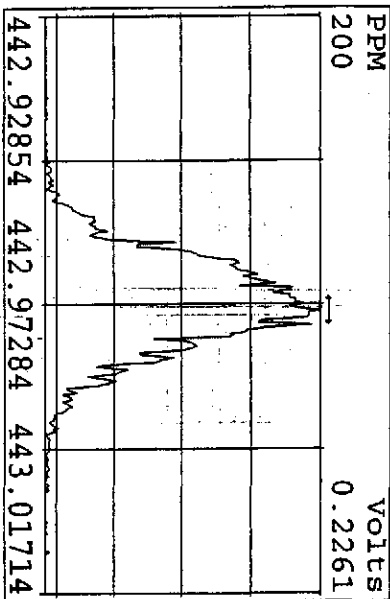
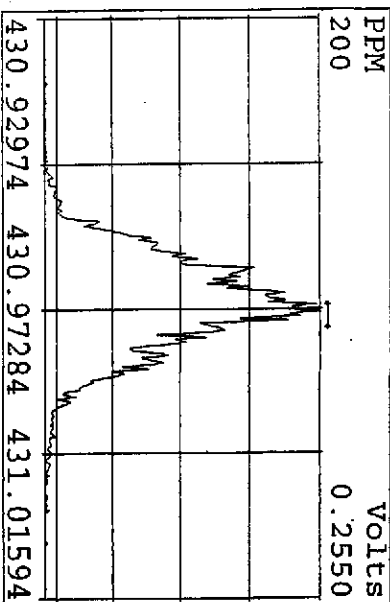
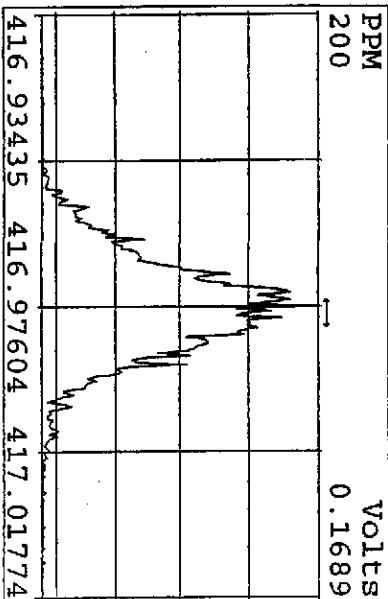
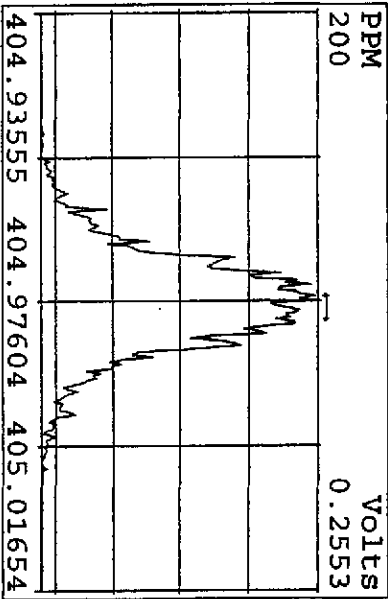
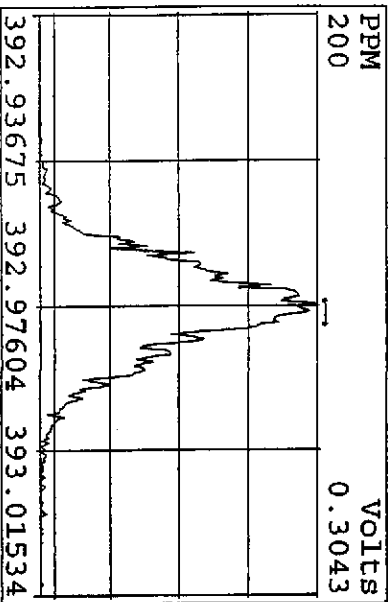
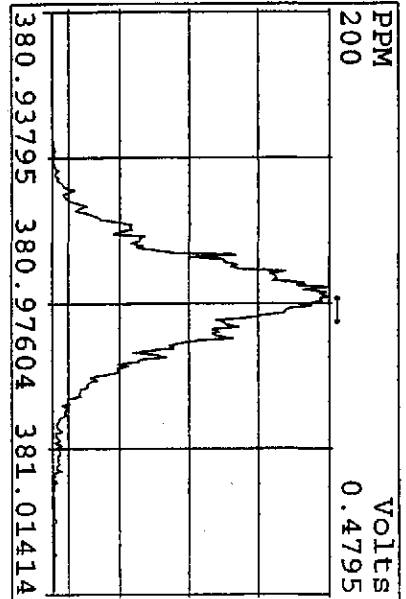
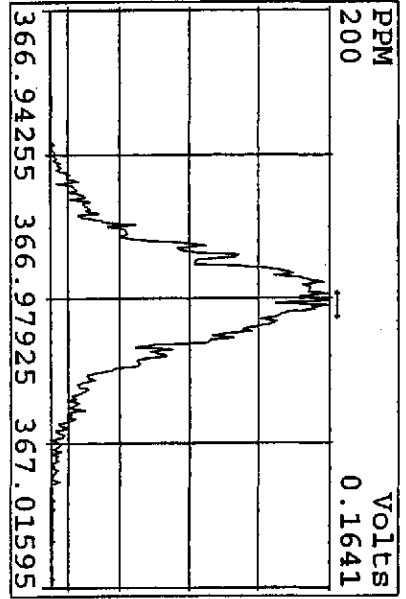
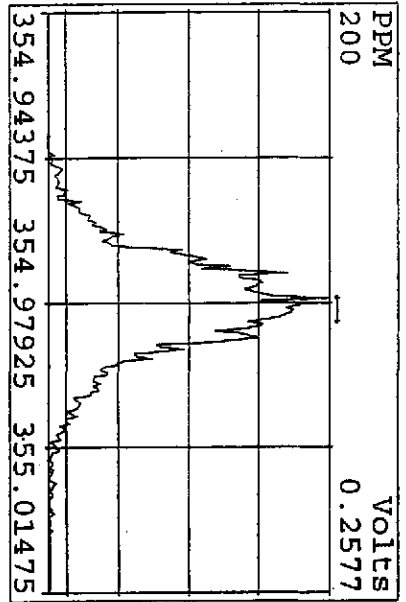
Peak Locate Examination: 16-DEC-2009: 13:58 File: 16DE09E9D5  
 Experiment: 209DB5 Function: 2 Reference: PFK



Peak Locate Examination: 16-DEC-2009:13:58 File: 16DE09E9D5  
Experiment: 209DB5 Function: 3 Reference: PFK

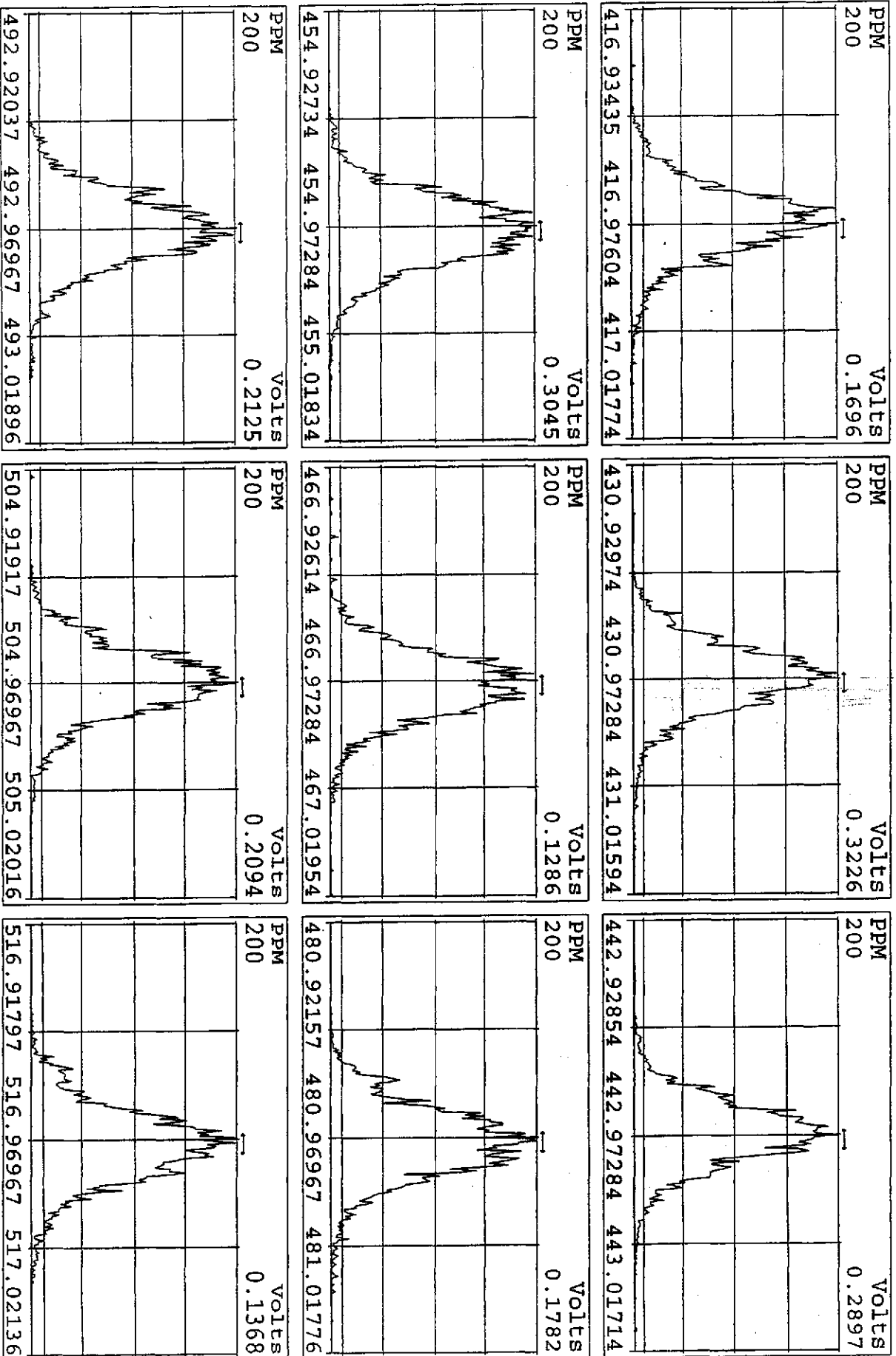


Peak Locate Examination: 16-DEG-2009: 13:59 File: 16DE09E9D5  
 Experiment: 209DB5 Function: 4 Reference: PRK

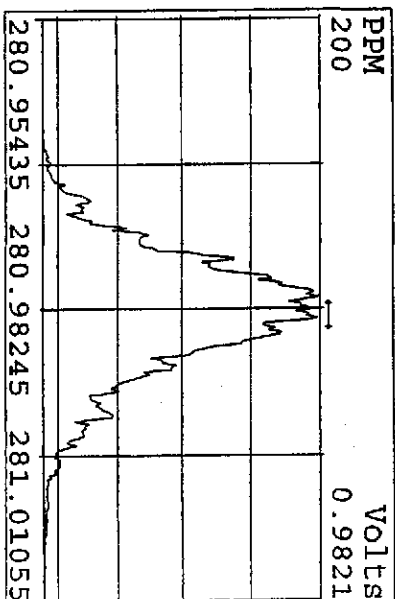
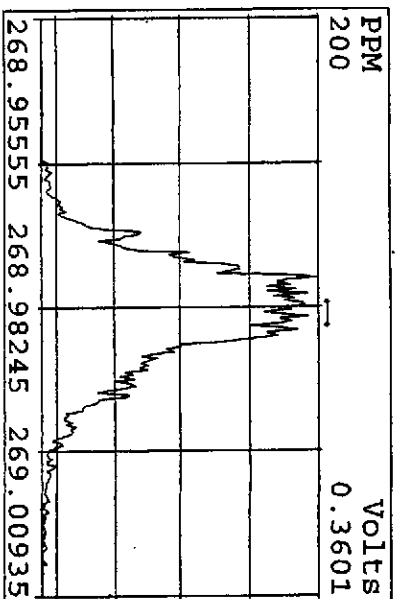
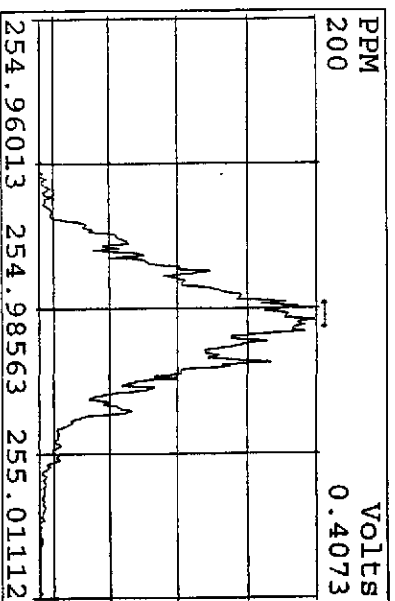
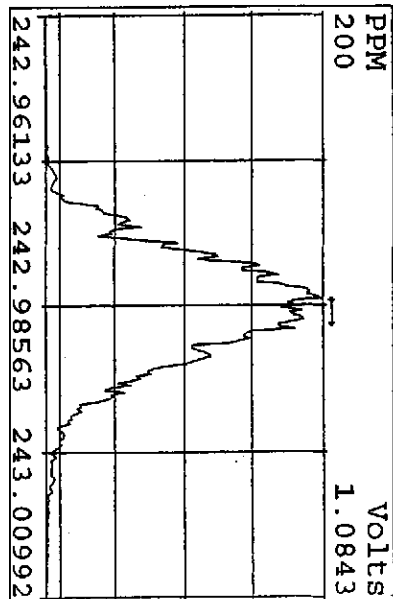
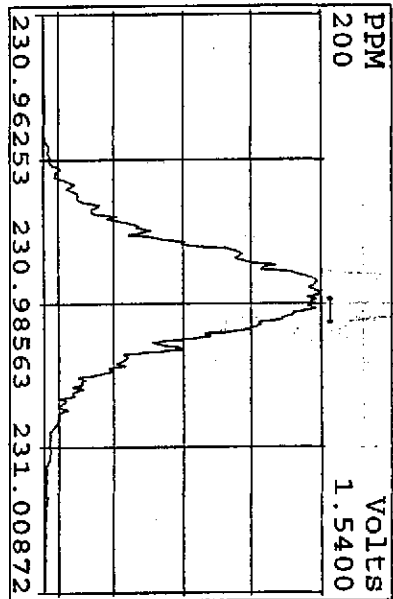
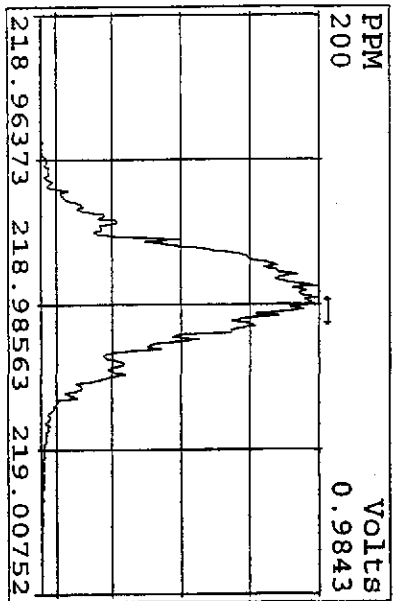
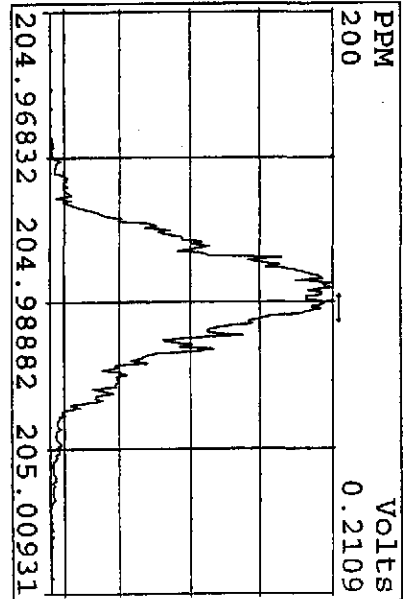
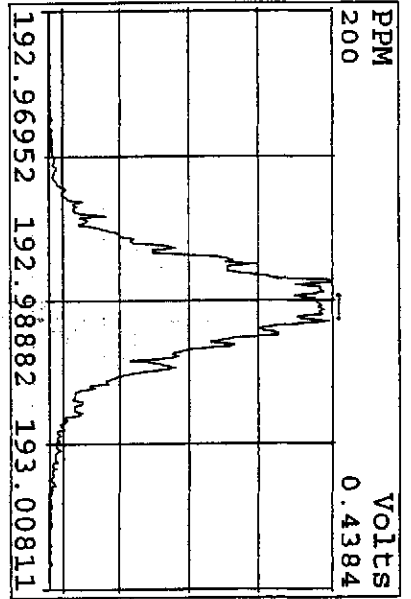
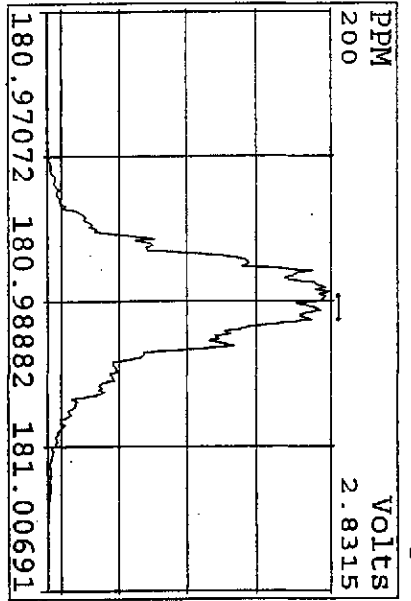




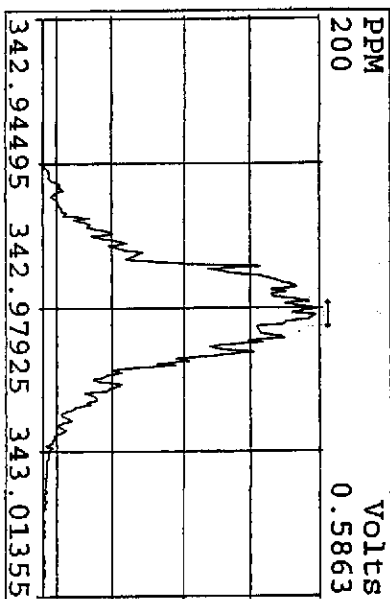
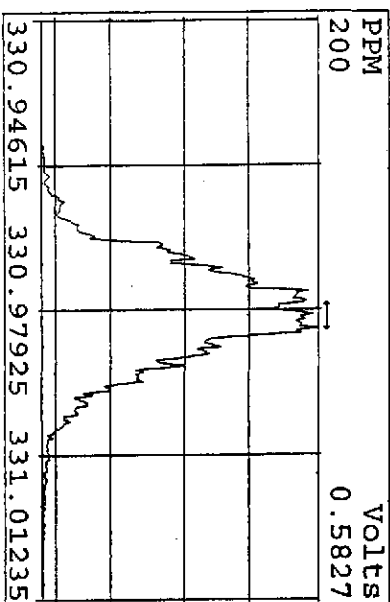
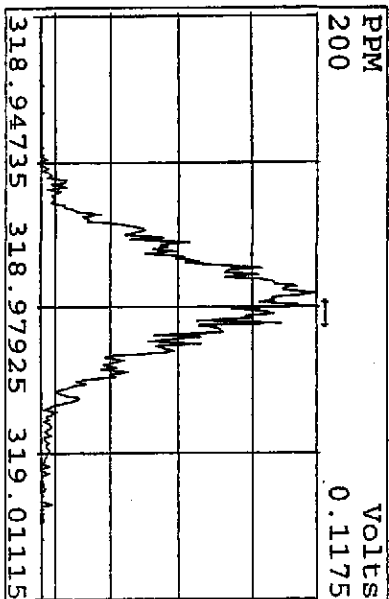
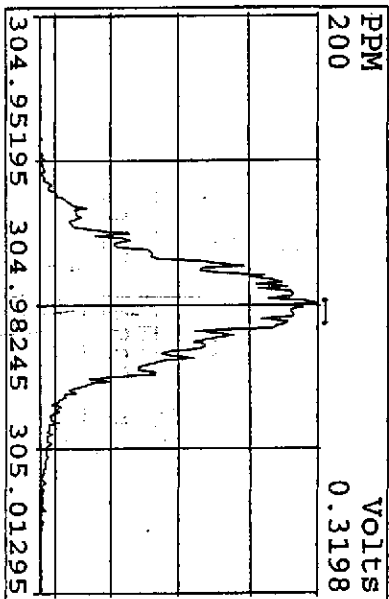
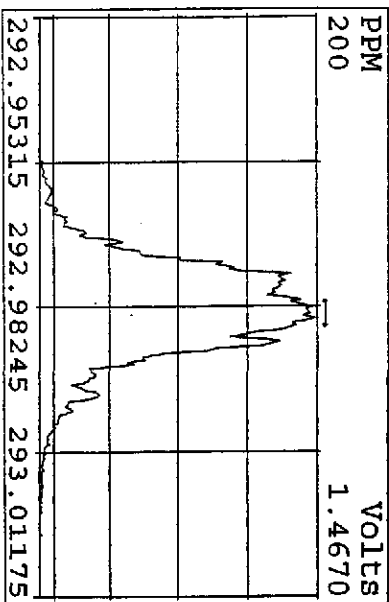
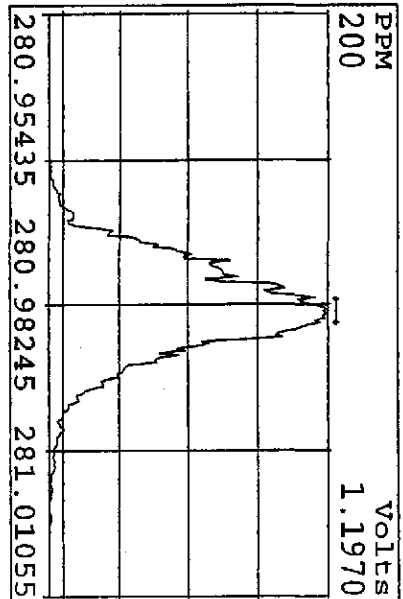
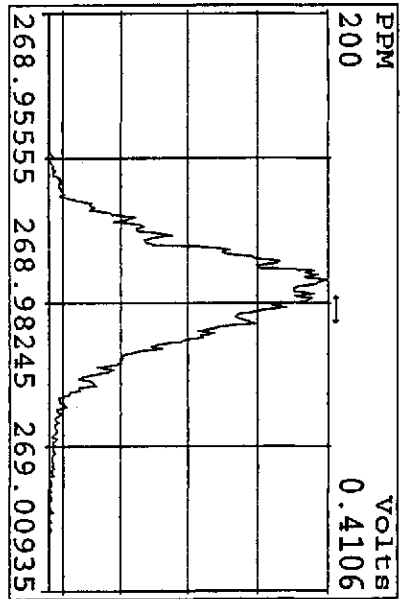
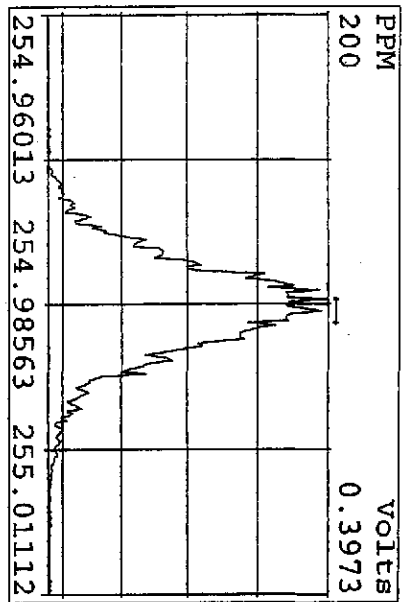
Peak Locate Examination: 16-DEC-2009: 13:59 File: 16DE09E9D5  
 Experiment: 209DB5 Function: 5 Reference: PRK



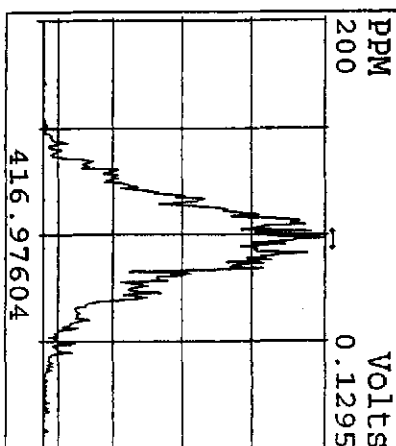
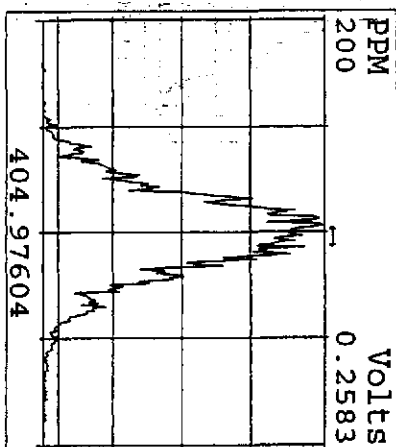
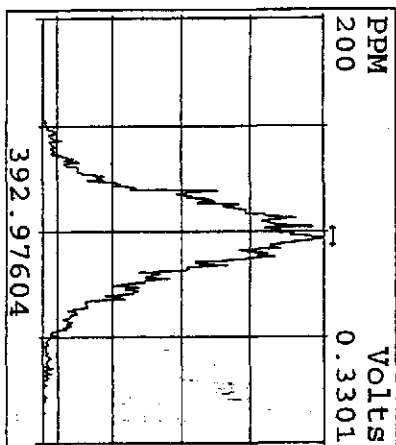
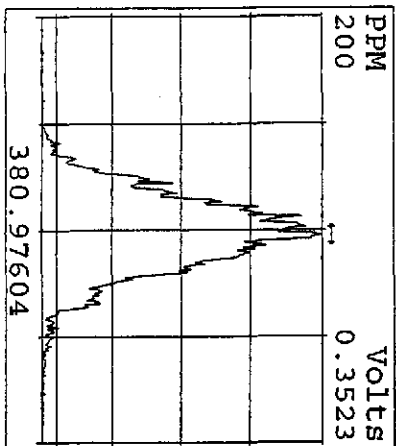
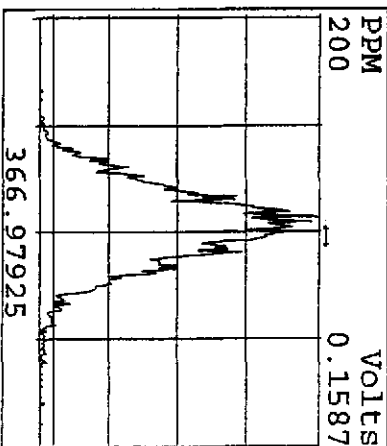
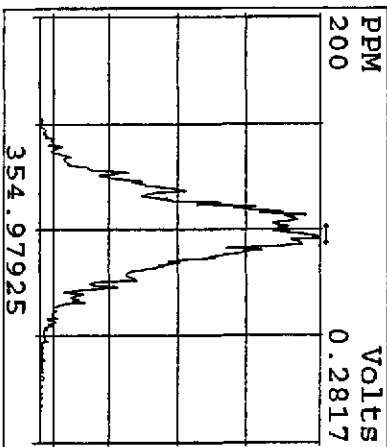
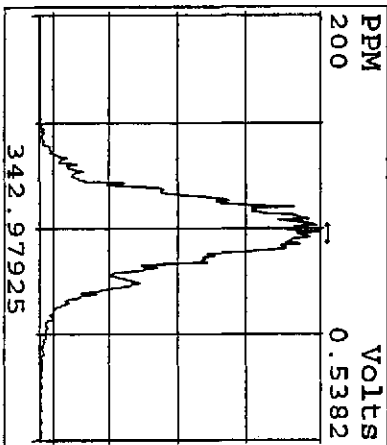
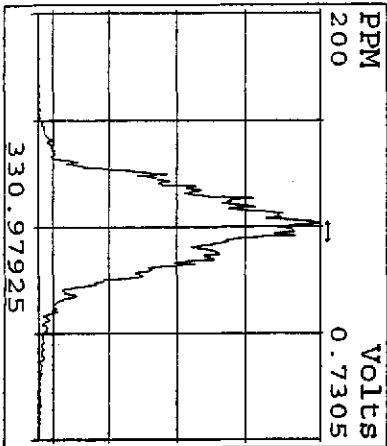
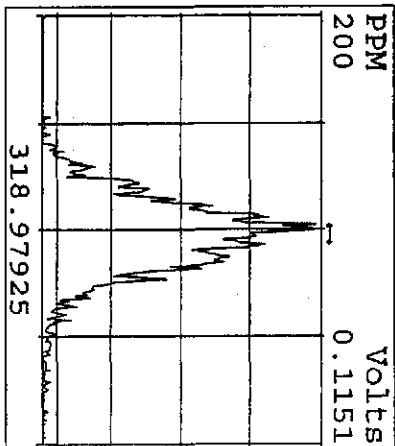
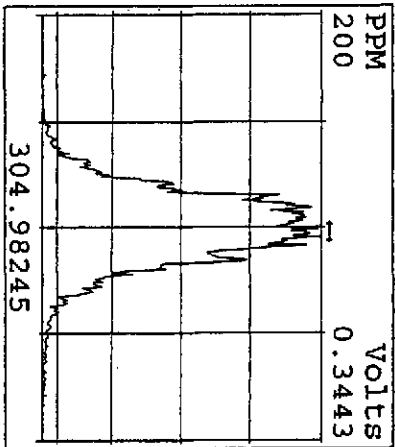
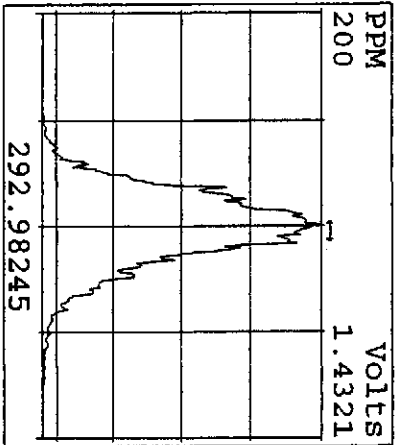
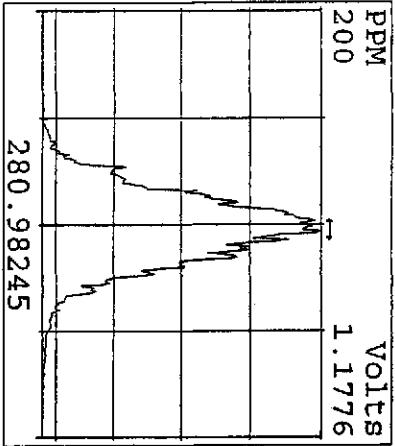
Peak Locate Examination: 16-DEC-2009: 19:27 File: RESCHK16DE09E9D5  
 Experiment: 209DB5 Function: 1 Reference: PFK



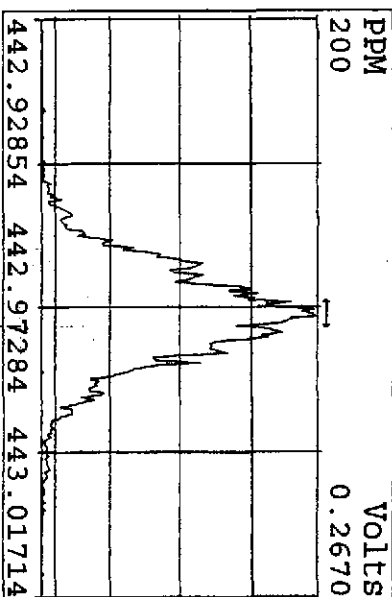
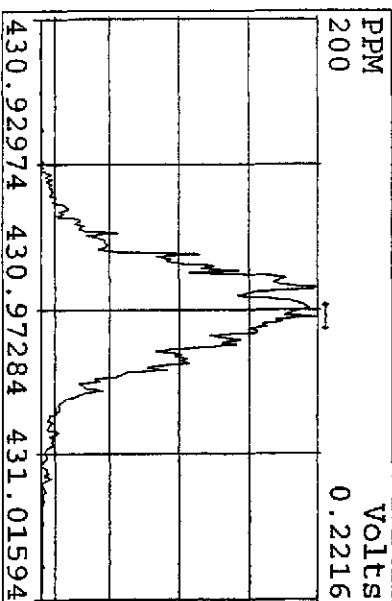
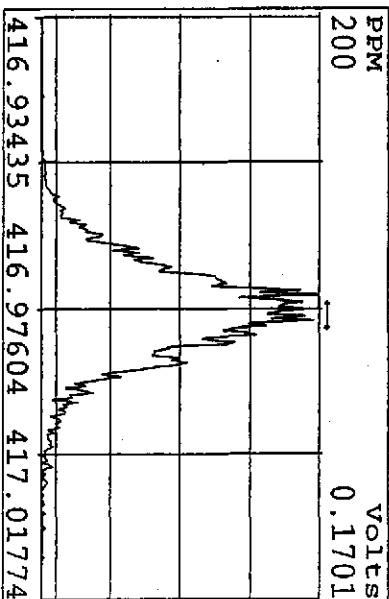
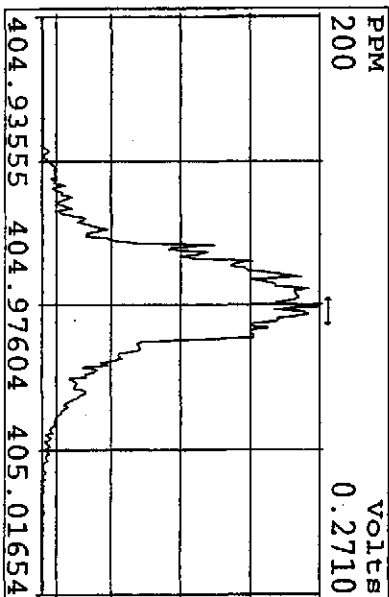
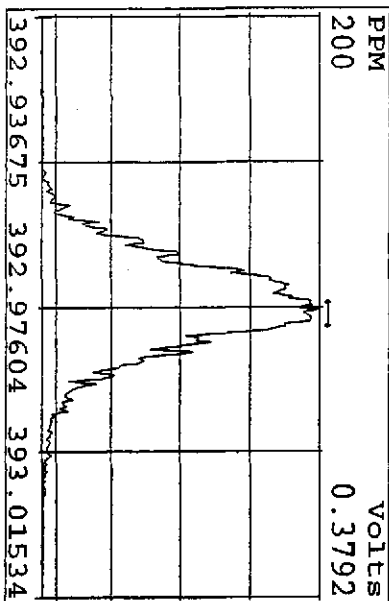
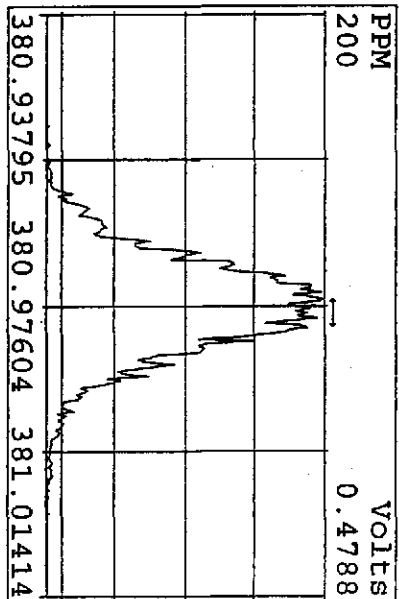
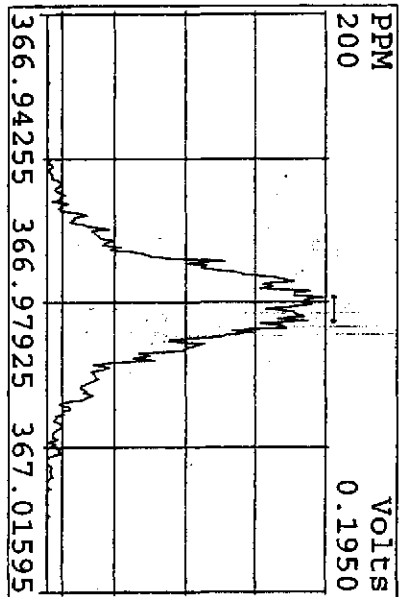
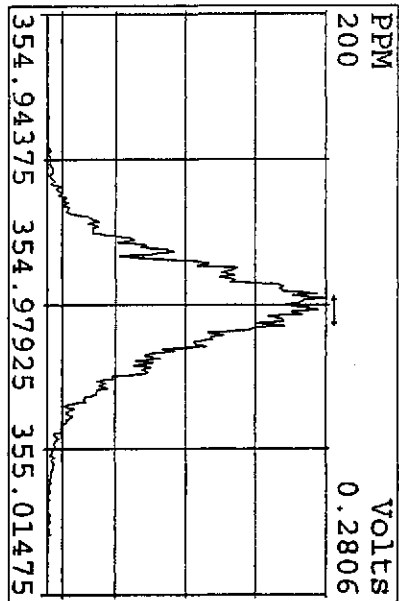
Peak Locate Examination:16-DEC-2009:19:29 File:RESCHK16DE09E9D5  
 Experiment:209DB5 Function:2 Reference:PK



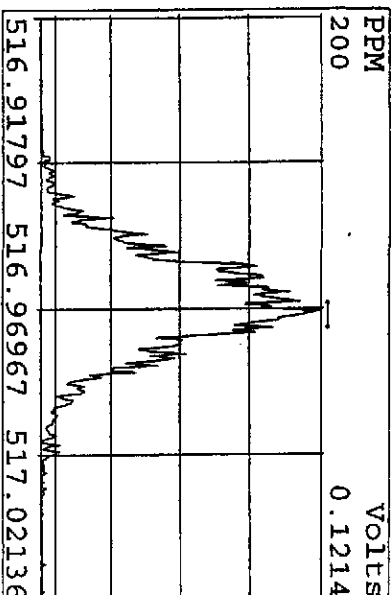
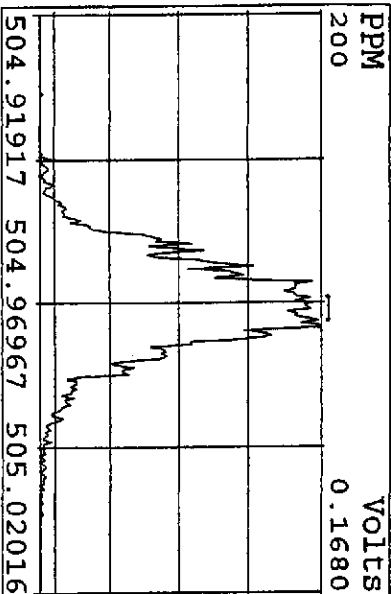
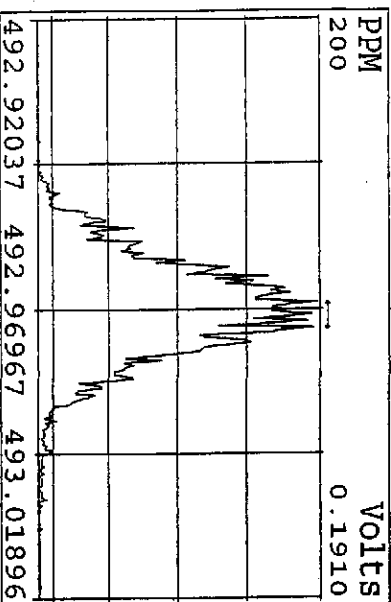
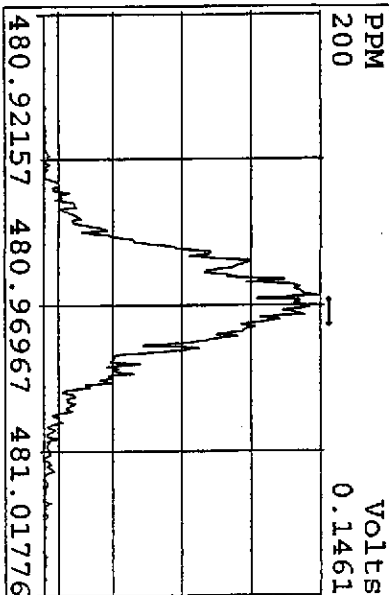
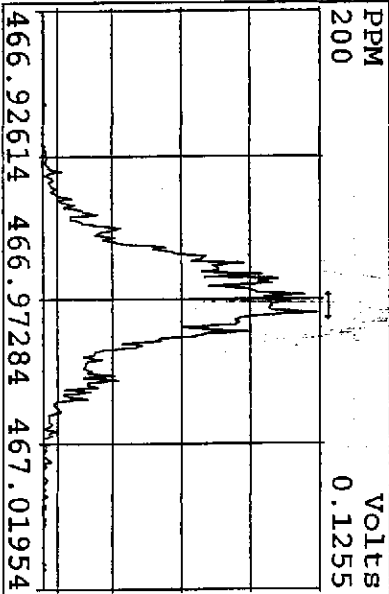
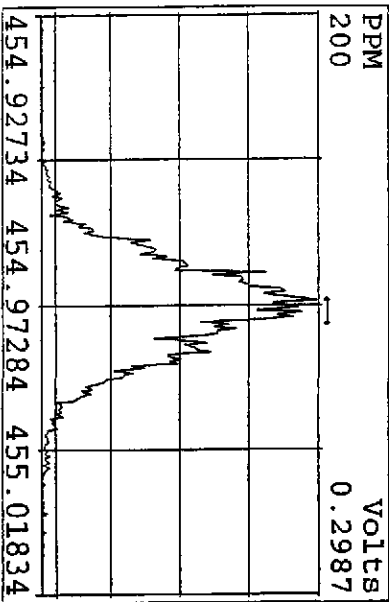
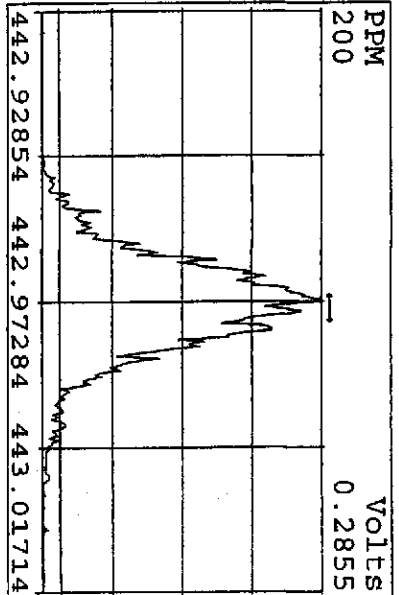
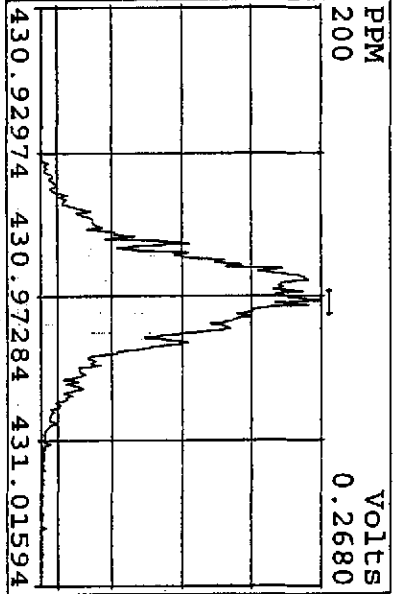
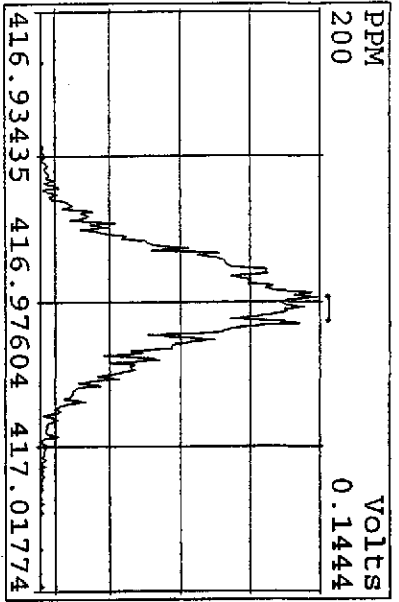
Peak Locate Examination:16-DEC-2009:19:31 File:RSCCHK16DE09E9D5  
 Experiment:209DB5 Function:3 Reference:PRK



Peak Locate Examination: 16-DEC-2009:19:32 File: RESCHK16DFE09E9D5  
 Experiment: 209DB5 Function: 4 Reference: PFK



Peak Locate Examination: 16-DEC-2009: 19:34 File: RESCHK16DE09E9D5  
 Experiment: 209DB5 Function: 5 Reference: PK



Run text: ST1216E                      Sample text: ST1216E :2nd Source 09DXN413  
 Run #7    Filename: 16DE09E9D5    S: 6    I: 1                      Results: 16DE09E9D51668MSLDE7  
 Acquired: 16-DEC-09    18:18:07                      Processed: 18-DEC-09    11:32:25  
 Run: 16DE09E9D5                      Analyte: 1668MSLDEC                      Cal: 1668MSLDEC1216099D5  
 Factor 1: 1.000                      Factor 2: 1.000                      Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	38266776	0.66 y	25:26	-	52.54	-	-	n
13C-TCB-81	58887264	0.78 y	26:60	1.33	115.90	0.09	115.9	n
TCB-81	70565080	0.73 y	27:01	1.31	91.60 ✓	0.85	-	n
13C-TCB-77	60921858	0.77 y	27:34	1.38	115.55	0.09	115.6	n
TCB-77	64236334	0.73 y	27:35	1.15	91.46 ✓	0.97	-	n
13C-PeCB-123	46091464	0.66 y	28:56	1.07	112.04	0.10	112.0	n
PeCB-123	60165860	0.59 y	28:57	1.71	76.55 ✓	0.36	-	n
13C-PeCB-118	48216806	0.68 y	29:03	1.10	114.11	0.09	114.1	n
PeCB-118/106	117448812	0.59 y	29:05	1.78	137.13 (64%)	0.33	-	n
13C-PeCB-114	46253956	0.68 y	29:43	1.15	105.09	0.09	105.1	n
PeCB-114	60096008	0.58 y	29:44	1.80	72.23 ✓	0.33	-	n
13C-PeCB-105	47074114	0.67 y	30:35	1.10	111.52	0.09	111.5	n
PeCB-105/127	123187152	0.60 y	30:36	1.62	161.77 ✓	0.37	-	n
13C-PeCB-126	47470534	0.68 y	32:28	1.21	102.82	0.09	102.8	n
PeCB-126	56766524	0.60 y	32:29	1.33	89.90 ✓	0.47	-	n
13C-OcCB-202	40352682	0.88 y	34:46	-	46.41	-	-	n
13C-HxCB-167	52368272	1.25 y	33:35	1.23	105.64	0.08	105.6	n
HxCB-167	55788500	1.20 y	33:36	1.21	88.26 ✓	0.14	-	y
13C-HxCB-156	48287436	1.27 y	34:53	0.97	122.99	0.11	123.0	n
HxCB-156	54691500	1.23 y	34:54	1.47	77.15 ✓	0.13	-	n
13C-HxCB-157	47182226	1.26 y	35:12	1.04	112.38	0.10	112.4	n
HxCB-157	52395900	1.26 y	35:14	1.48	75.09 ✓	0.13	-	n
13C-HxCB-169	45034798	1.28 y	37:02	1.16	96.38	0.09	96.4	n
HxCB-169	45681500	1.24 y	37:03	0.98	103.71 ✓	0.21	-	n
13C-HpCB-180	33669354	1.06 y	35:50	0.81	102.93	0.05	102.9	n
HpCB-180	36273996	1.13 y	35:51	1.34	80.57 ✓	0.18	-	n
13C-HpCB-170	27869883	1.04 y	37:30	0.66	104.94	0.06	104.9	n
HpCB-170/190	30129124	1.11 y	37:32	1.62	66.85	0.18	-	n
13C-HpCB-189	37292714	1.05 y	39:06	0.91	101.62	0.05	101.6	n
HpCB-189	39795778	1.14 y	39:07	1.23	86.95 ✓	0.18	-	n
13C-DeCB-209	33771572	0.72 y	44:04	0.69	120.87	0.01	120.9	n
DECB-209	68787268	0.73 y	44:05	1.53	132.89 ✓	0.00	-	n
13C-PeCB-111	*	* n	NotFnd	1.28	*	0.07	*	n

Run text: ST1216E                      Sample text: ST1216E :2nd Source 09DXN413  
 Run #6    Filename: 16DE09E9D5    S: 6    I: 1    Results: 16DE09E9D51668MSLDEC  
 Acquired: 16-DEC-09    18:18:07                      Processed: 18-DEC-09    11:21:28  
 Run: 16DE09E9D5                      Analyte: 1668MSLDEC                      Cal: 1668MSLDEC1216099D5  
 Factor 1: 1.000                      Factor 2: 20.000                      Sample size: 1.000000

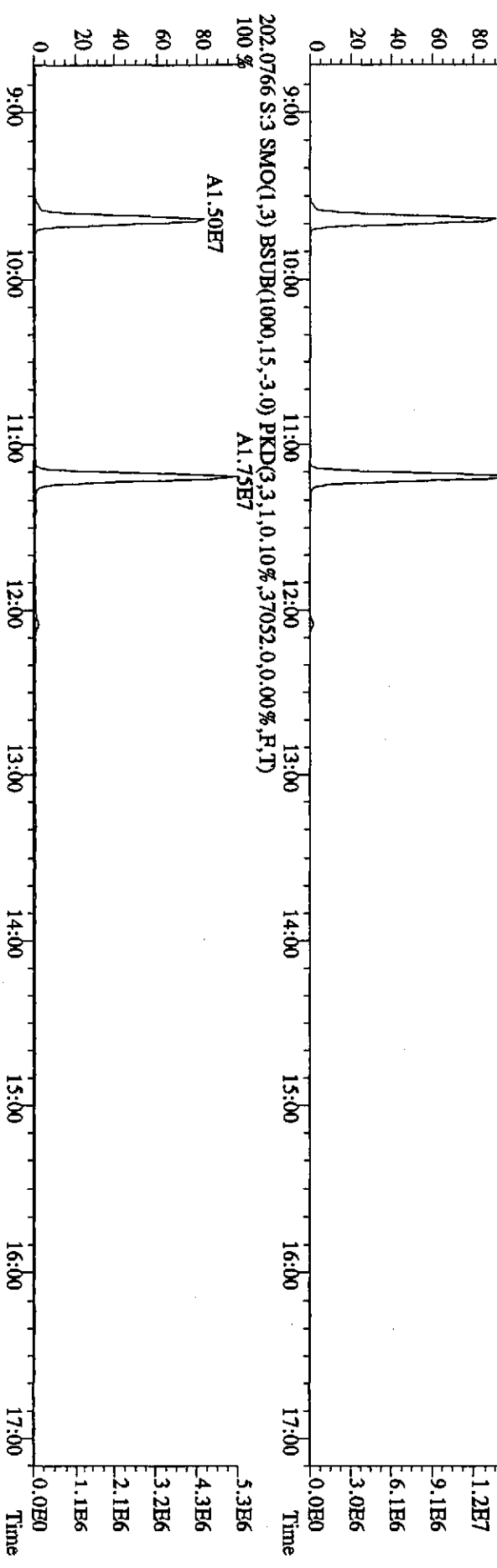
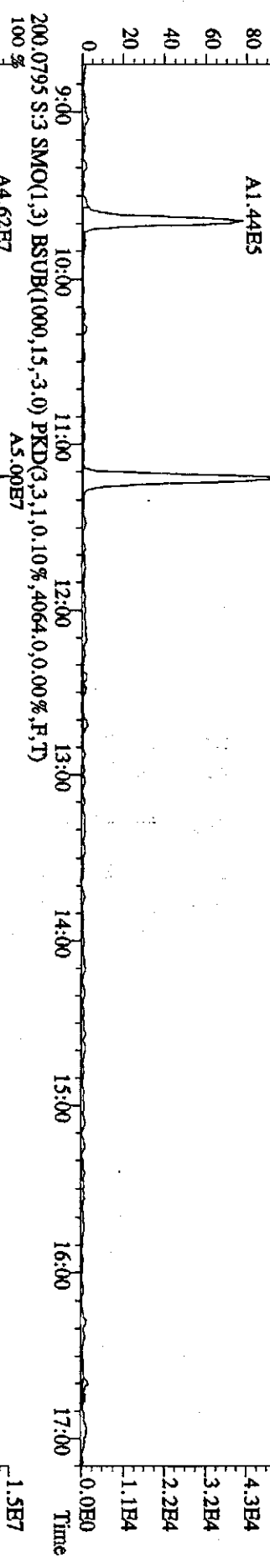
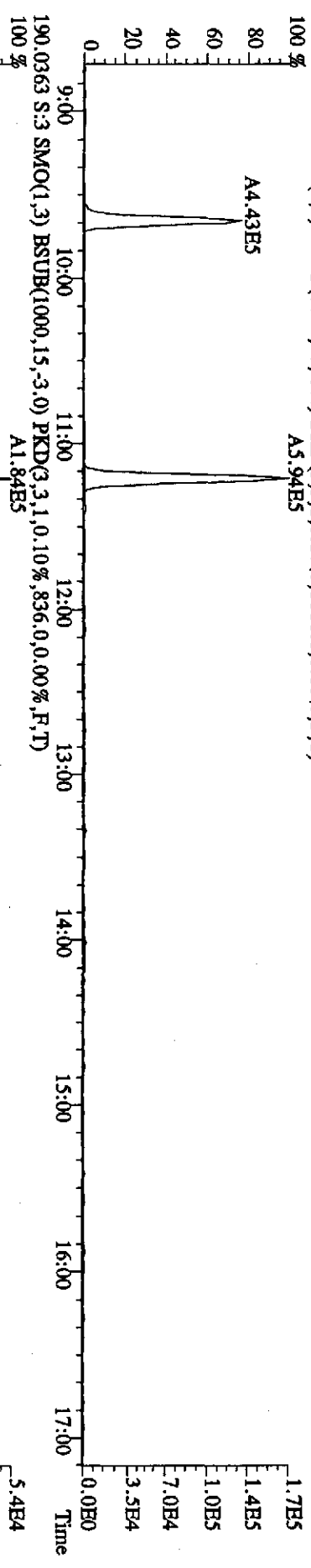
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	38266800	0.66 y	25:26	-	52.54	-	-	n
13C-TCB-81	58887300	0.78 y	27:00	1.33	2318.04	1.82	115.9	n
TCB-81	70565100	0.73 y	27:01	1.31	1832.07	17.10	-	n
13C-TCB-77	60921900	0.77 y	27:34	1.38	2311.01	1.76	115.6	n
TCB-77	64236300	0.73 y	27:35	1.15	1829.23	19.31	-	n
13C-PeCB-123	46091500	0.66 y	28:56	1.07	2240.89	1.92	112.0	n
PeCB-123	60165900	0.59 y	28:57	1.71	1530.96	7.18	-	n
13C-PeCB-118	48216800	0.68 y	29:03	1.10	2282.12	1.87	114.1	n
PeCB-118/106	117448800	0.59 y	29:05	1.78	2742.53	6.66	-	n
13C-PeCB-114	46253900	0.68 y	29:43	1.15	2101.77	1.80	105.1	n
PeCB-114	60096000	0.58 y	29:44	1.80	1444.64	6.65	-	n
13C-PeCB-105	47074200	0.67 y	30:35	1.10	2230.40	1.88	111.5	n
PeCB-105/127	123187200	0.60 y	30:36	1.62	3235.32	7.34	-	n
13C-PeCB-126	47470500	0.68 y	32:28	1.21	2056.34	1.71	102.8	n
PeCB-126	56766600	0.60 y	32:29	1.33	1798.08	9.47	-	n
13C-OcCB-202	40352700	0.88 y	34:46	-	46.41	-	-	n
13C-HxCB-167	52368300	1.25 y	33:35	1.23	2112.86	1.70	105.6	n
HxCB-167	55782800	1.20 y	33:36	1.21	1765.11	2.88	-	n
13C-HxCB-156	48287400	1.27 y	34:53	0.97	2459.86	2.14	123.0	n
HxCB-156	54691500	1.23 y	34:54	1.47	1543.10	2.56	-	n
13C-HxCB-157	47182200	1.26 y	35:12	1.04	2247.53	2.00	112.4	n
HxCB-157	52395900	1.26 y	35:14	1.48	1501.71	2.69	-	n
13C-HxCB-169	45034800	1.28 y	37:02	1.16	1927.68	1.80	96.4	n
HxCB-169	45681500	1.24 y	37:03	0.98	2074.27	4.24	-	n
13C-HpCB-180	33669300	1.06 y	35:50	0.81	2058.50	1.03	102.9	n
HpCB-180	36274000	1.13 y	35:51	1.34	1611.37	3.66	-	n
13C-HpCB-170	27869900	1.04 y	37:30	0.66	2098.75	1.26	104.9	n
HpCB-170/190	30129100	1.11 y	37:32	1.62	1337.00	3.63	-	n
13C-HpCB-189	37292700	1.05 y	39:06	0.91	2032.43	0.92	101.6	n
HpCB-189	39795800	1.14 y	39:07	1.23	1739.05	3.63	-	n
13C-DeCB-209	33771500	0.72 y	44:04	0.69	2417.32	0.13	120.9	n
DeCB-209	68787300	0.73 y	44:05	1.53	2657.73	0.07	-	n
13C-PeCB-111	*	* n	Not Fnd	1.28	*	1.40	*	n



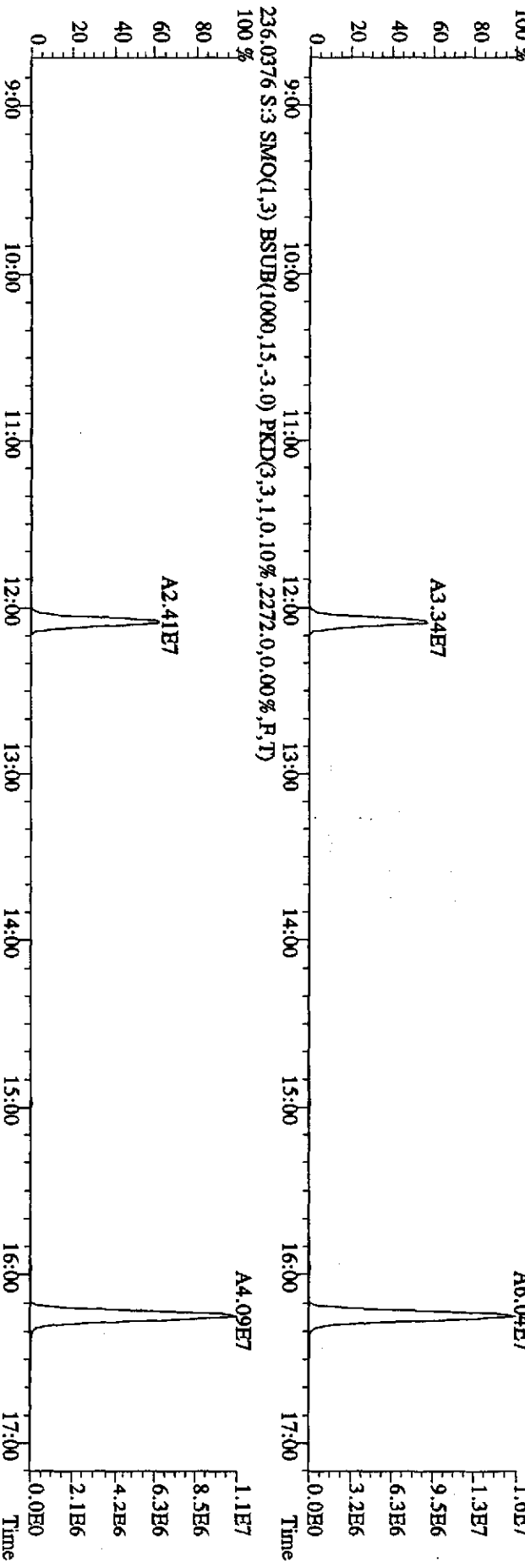
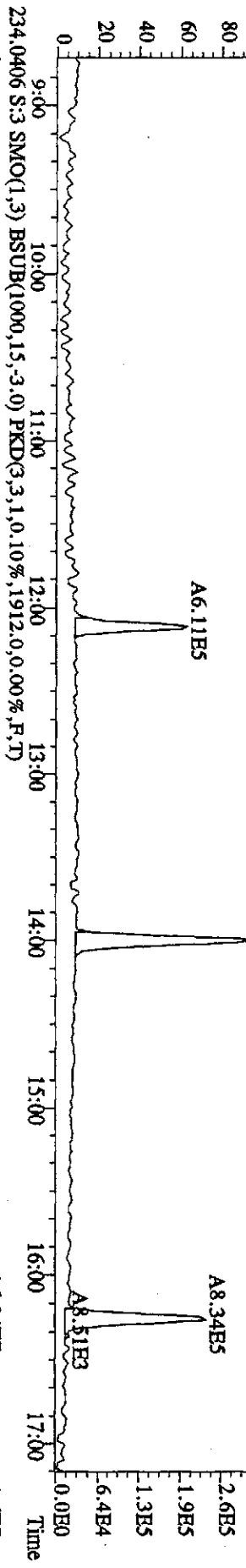
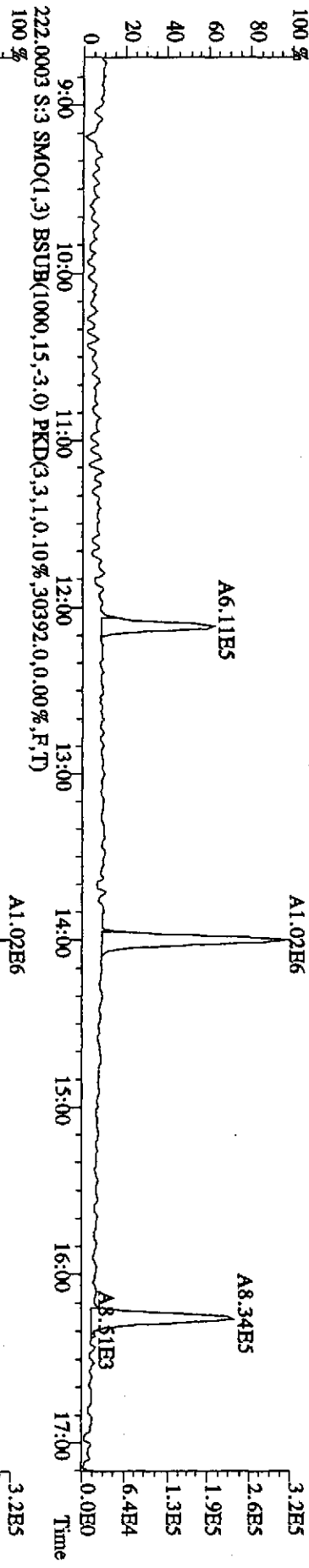
Run text: ST1216E      Sample text: ST1216E :2nd Source 09DXN413  
 Run #6    Filename: 16DE09E9D5    S: 6    I: 1    Results: 16DE09E9D51668MSLDE7  
 Acquired: 16-DEC-09    18:18:07      Processed: 18-DEC-09    11:21:28  
 Run: 16DE09E9D5      Analyte: 1668MSLDEC      Cal: 1668MSLDEC1216099D5  
 Factor 1: 1.000      Factor 2: 20.000      Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-PeCB-101	38266800	0.66 y	25:26	-	52.54	-	-	n
13C-TCB-81	58887300	0.78 y	27:00	1.33	2318.04	1.82	115.9	n
TCB-81	70565100	0.73 y	27:01	1.31	1832.07	17.10	-	n
13C-TCB-77	60921900	0.77 y	27:34	1.38	2311.01	1.76	115.6	n
TCB-77	64236300	0.73 y	27:35	1.15	1829.23	19.31	-	n
13C-PeCB-123	46091500	0.66 y	28:56	1.07	2240.89	1.92	112.0	n
PeCB-123	60165900	0.59 y	28:57	1.71	1530.96	7.18	-	n
13C-PeCB-118	48216800	0.68 y	29:03	1.10	2282.12	1.87	114.1	n
PeCB-118/106	117448800	0.59 y	29:05	1.78	2742.53	6.66	-	n
13C-PeCB-114	46253900	0.68 y	29:43	1.15	2101.77	1.80	105.1	n
PeCB-114	60096000	0.58 y	29:44	1.80	1444.64	6.65	-	n
13C-PeCB-105	47074200	0.67 y	30:35	1.10	2230.40	1.88	111.5	n
PeCB-105/127	123187200	0.60 y	30:36	1.62	3235.32	7.34	-	n
13C-PeCB-126	47470500	0.68 y	32:28	1.21	2056.34	1.71	102.8	n
PeCB-126	56766600	0.60 y	32:29	1.33	1798.08	9.47	-	n
13C-OcCB-202	40352700	0.88 y	34:46	-	46.41	-	-	n
13C-HxCB-167	52368300	1.25 y	33:35	1.23	2112.86	1.70	105.6	n
HxCB-167	92108800	1.20 y	33:36	1.21	2914.55	2.88	-	n
13C-HxCB-156	48287400	1.27 y	34:53	0.97	2459.86	2.14	123.0	n
HxCB-156	54691500	1.23 y	34:54	1.47	1543.10	2.56	-	n
13C-HxCB-157	47182200	1.26 y	35:12	1.04	2247.53	2.00	112.4	n
HxCB-157	52395900	1.26 y	35:14	1.48	1501.71	2.69	-	n
13C-HxCB-169	45034800	1.28 y	37:02	1.16	1927.68	1.80	96.4	n
HxCB-169	45681500	1.24 y	37:03	0.98	2074.27	4.24	-	n
13C-HpCB-180	33669300	1.06 y	35:50	0.81	2058.50	1.03	102.9	n
HpCB-180	36274000	1.13 y	35:51	1.34	1611.37	3.66	-	n
13C-HpCB-170	27869900	1.04 y	37:30	0.66	2098.75	1.26	104.9	n
HpCB-170/190	30129100	1.11 y	37:32	1.62	1337.00	3.63	-	n
13C-HpCB-189	37292700	1.05 y	39:06	0.91	2032.43	0.92	101.6	n
HpCB-189	39795800	1.14 y	39:07	1.23	1739.05	3.63	-	n
13C-DeCB-209	33771500	0.72 y	44:04	0.69	2417.32	0.13	120.9	n
DeCB-209	68787300	0.73 y	44:05	1.53	2657.73	0.07	-	n
13C-PeCB-111	*	* n Not Fnd	1.28	*	1.40	*	*	n

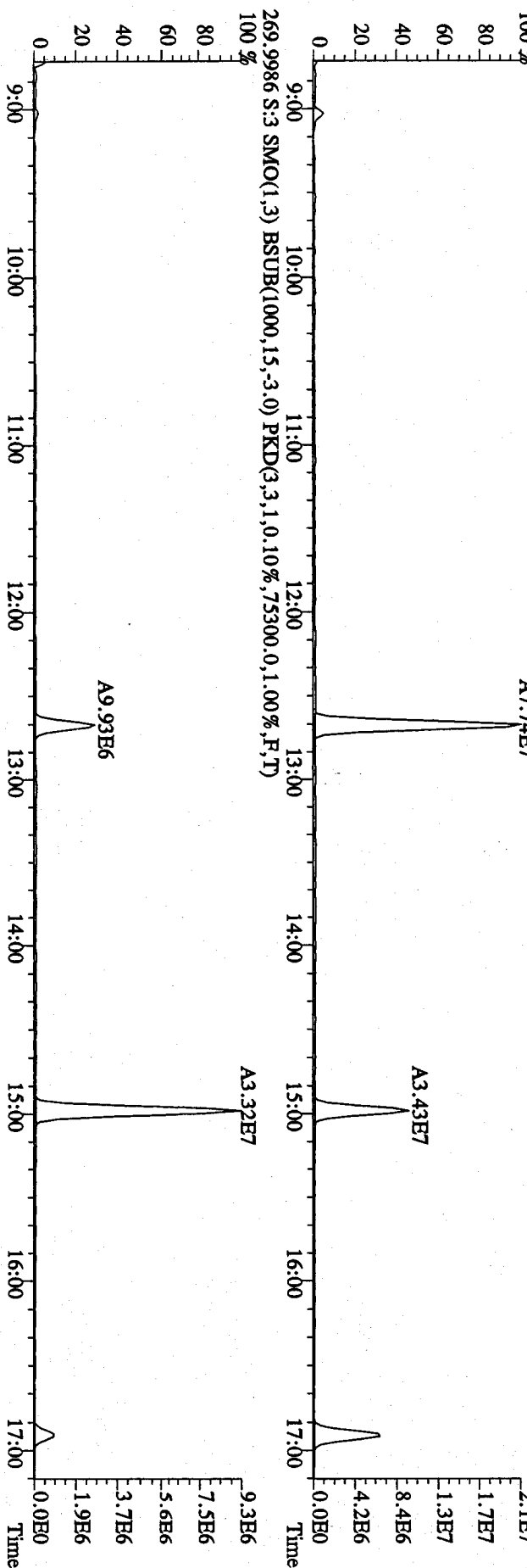
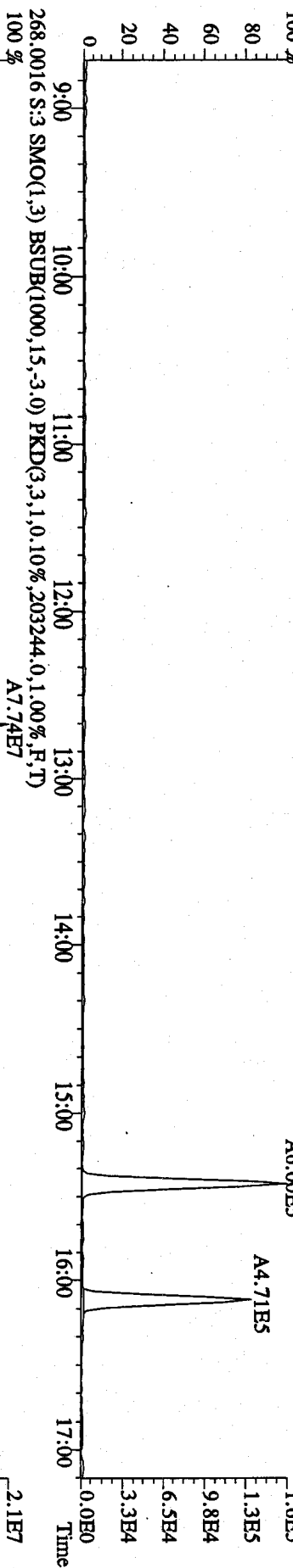
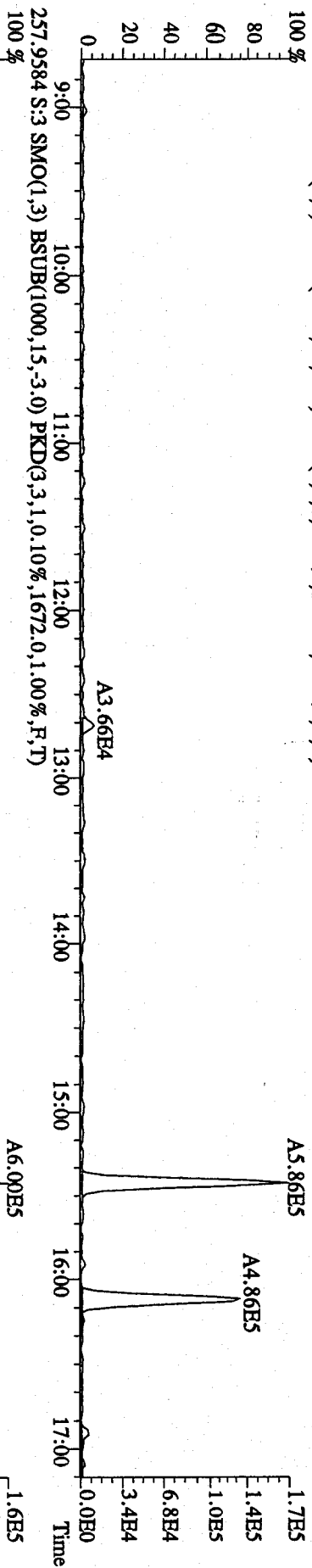
File:16D09E9D5 #1-516 Acq:16-DEC-2009 15:44:01 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST1216B :CSI 09DXN205 Exp:209DB5  
 188.0393 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1080,0,0,00%,F,T)  
 100% A5.94E5



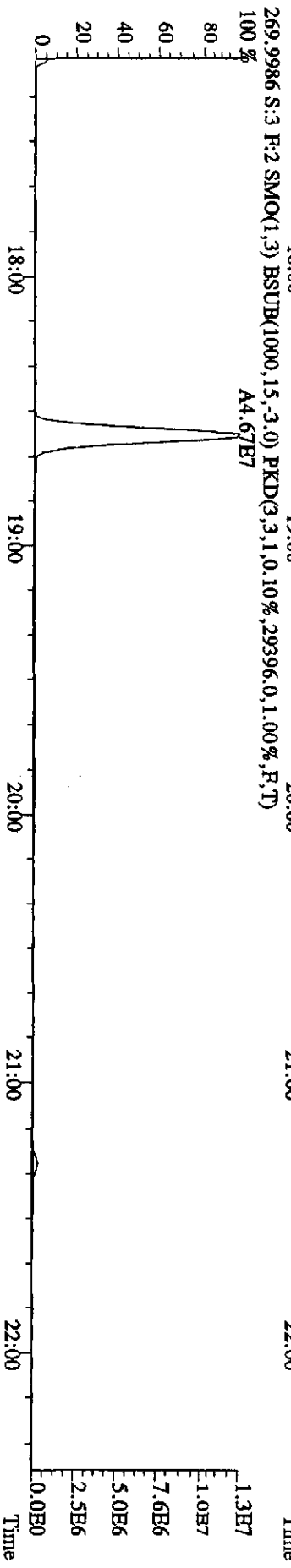
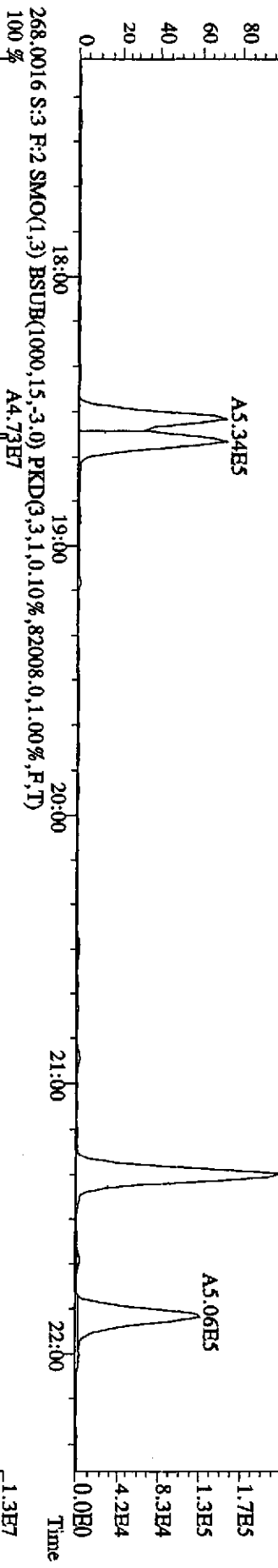
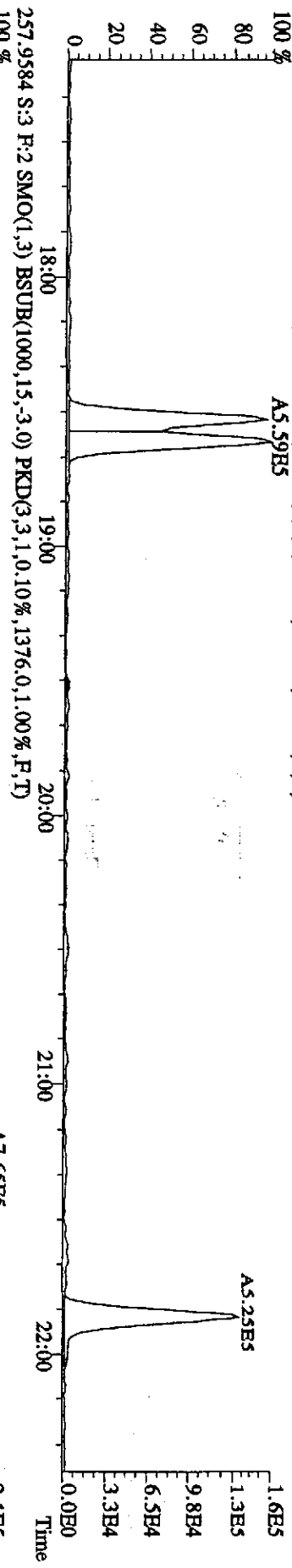
File:16DE09E9D5 #1-516 Acq:16-DEC-2009 15:44:01 GC EI+ Voltage SIR Autospec-UtimaB  
 Sample#3 Text:ST1216B :CSI 09DXN205 Exp:209DB5  
 222.0003 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,30392,0,0,00%,F,T)  
 100%

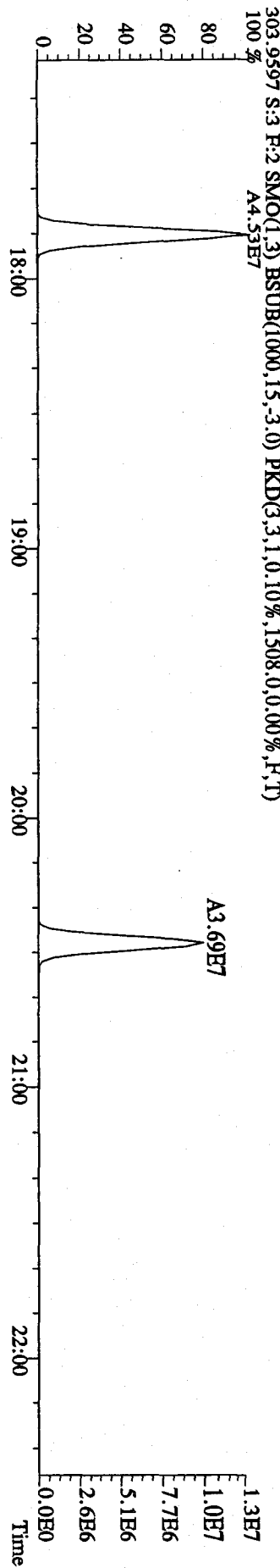
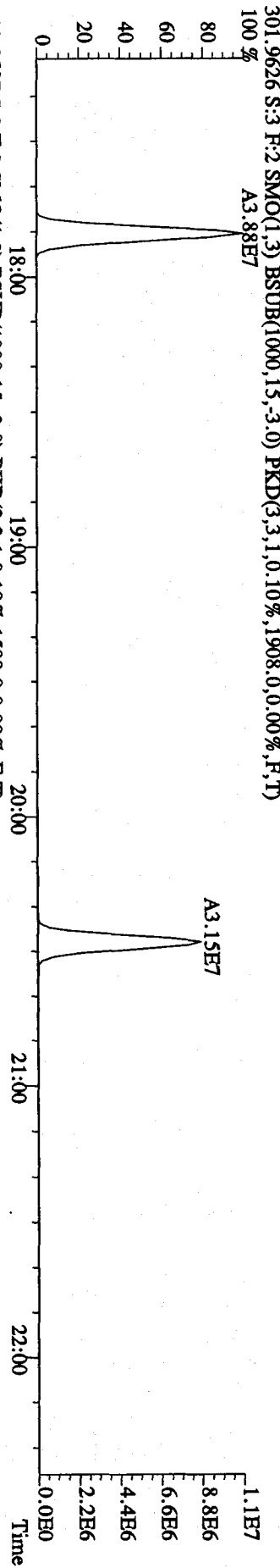
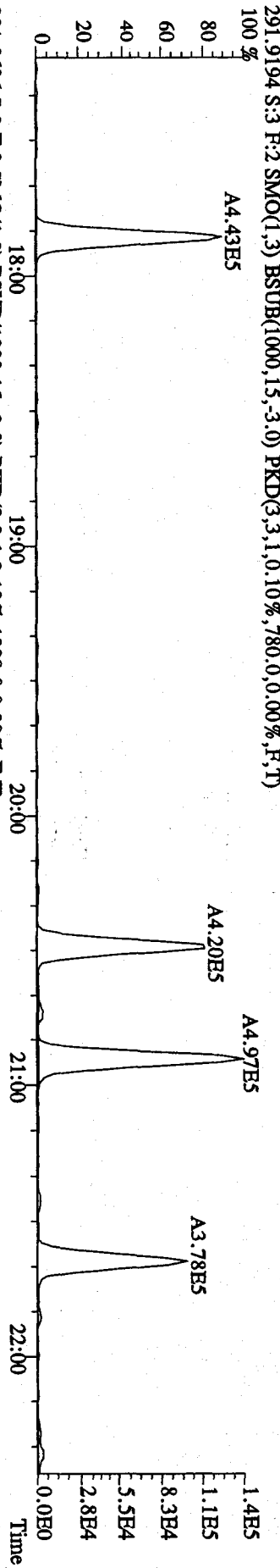
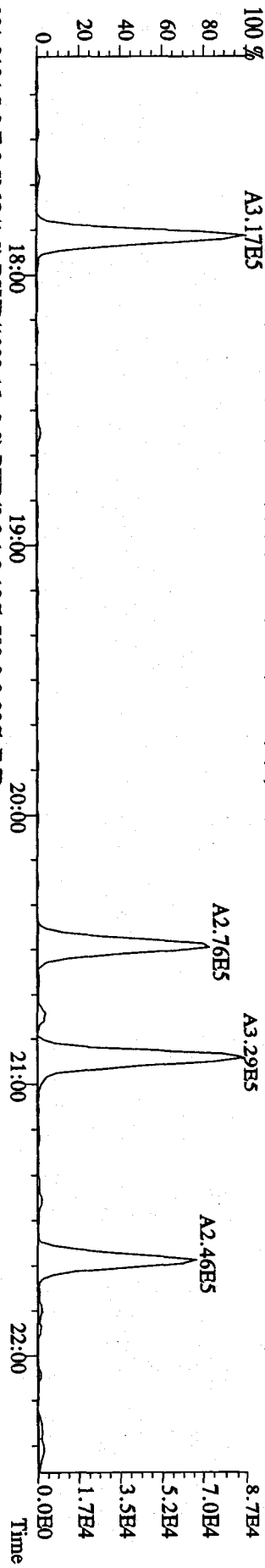


File:16DE09E9D5 #1-516 Acq:16-DEC-2009 15:44:01 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST1216B :CSI 09DXN205 Exp:209DB5  
 255.9613 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2064.0,1.00%,F,T)

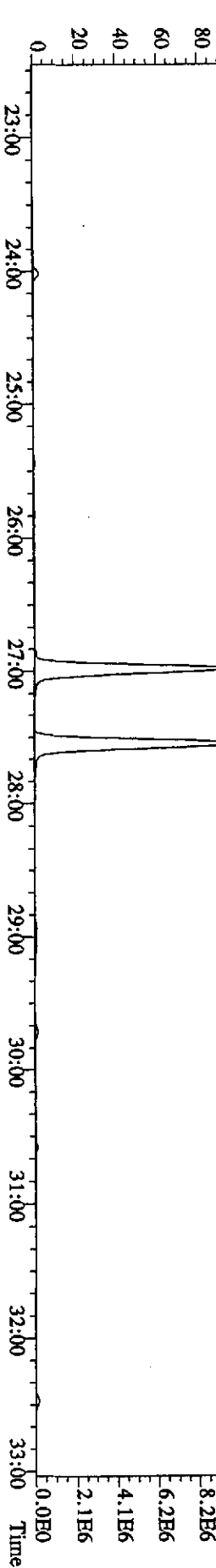
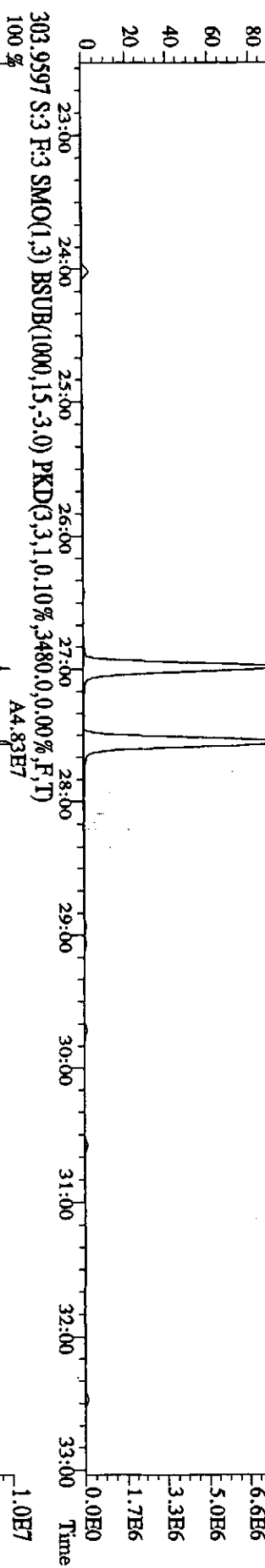
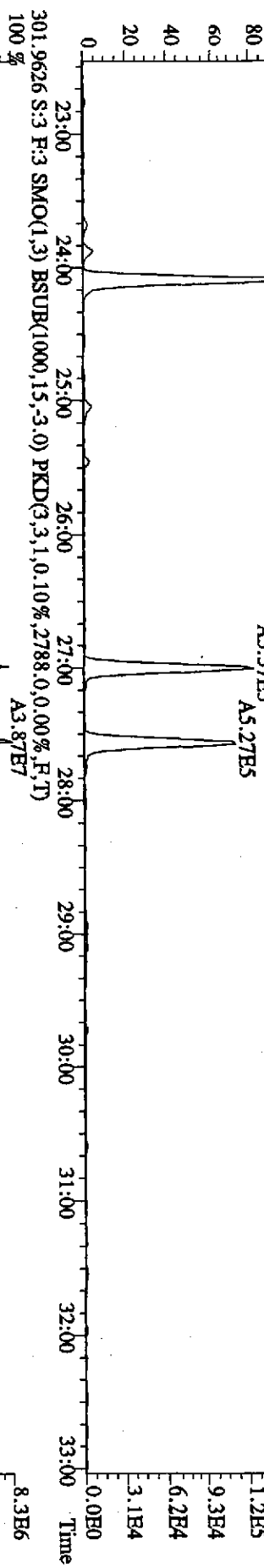
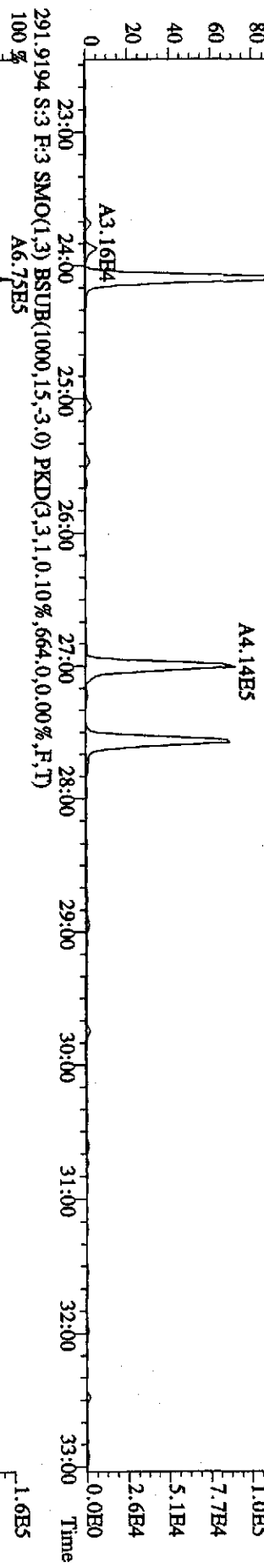


File: 16DE09E9D5 #1-382 Acq: 16-DEC-2009 15:44:01 GC HI + Voltage SIR Autospec-Ultimat  
 Sample#3 Text: ST1216B :CSI 09DXN205 Exp: 209DB5  
 255.9613 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2060,0,1,00%,F,T)

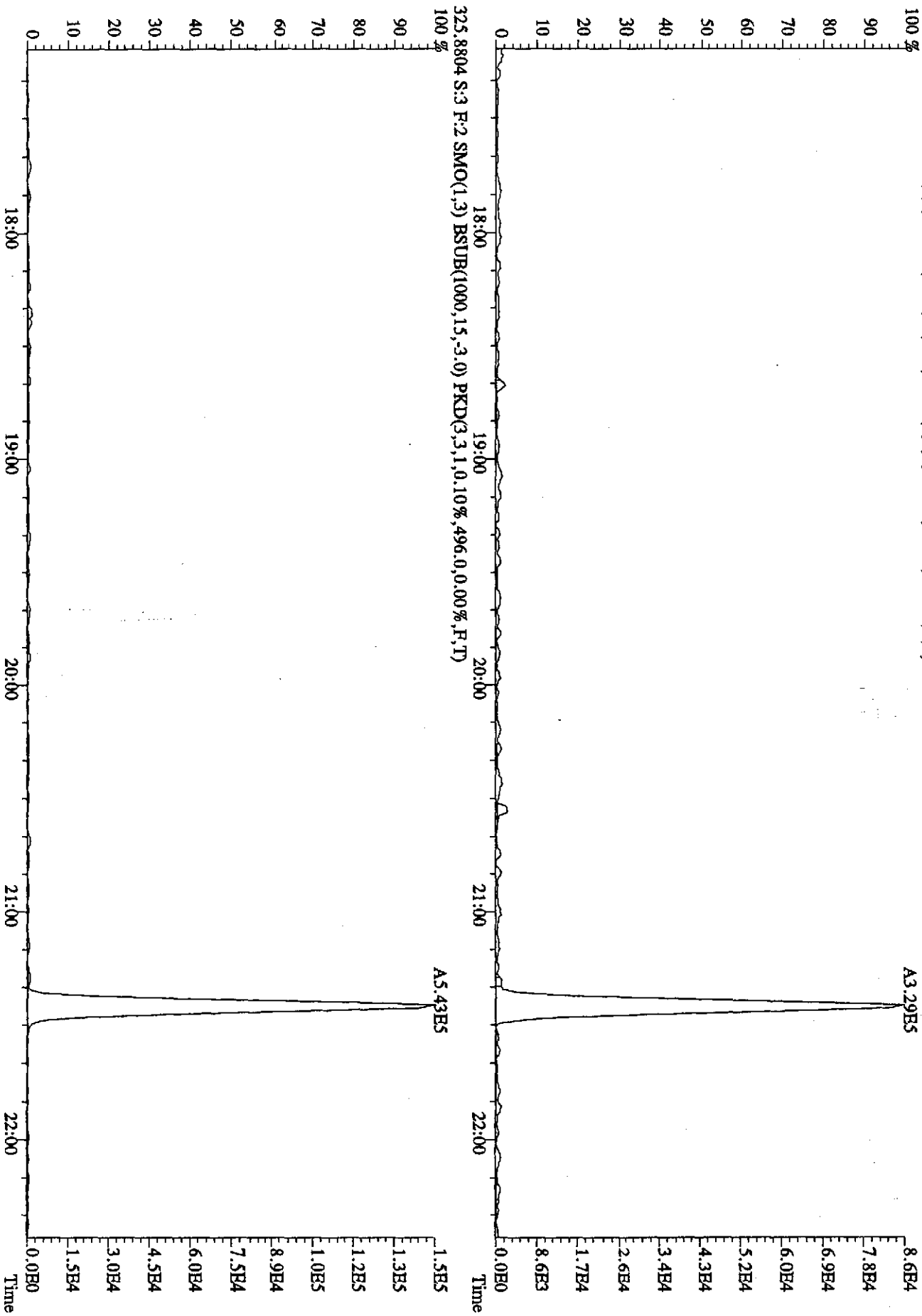




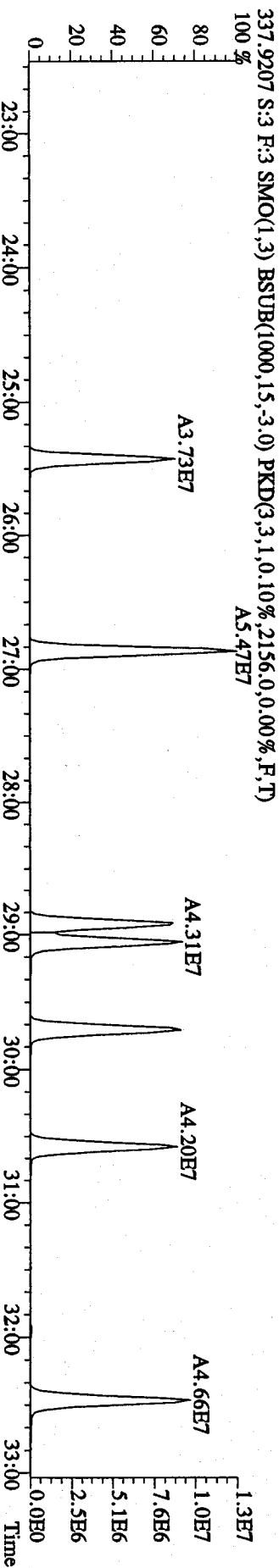
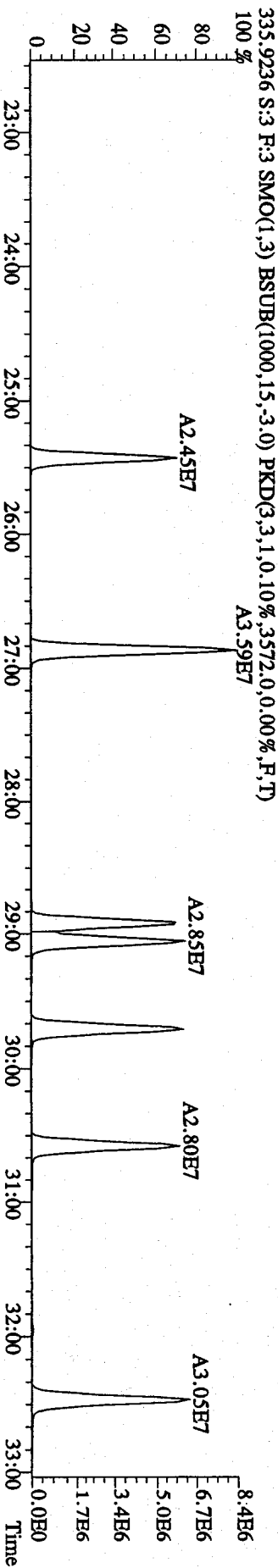
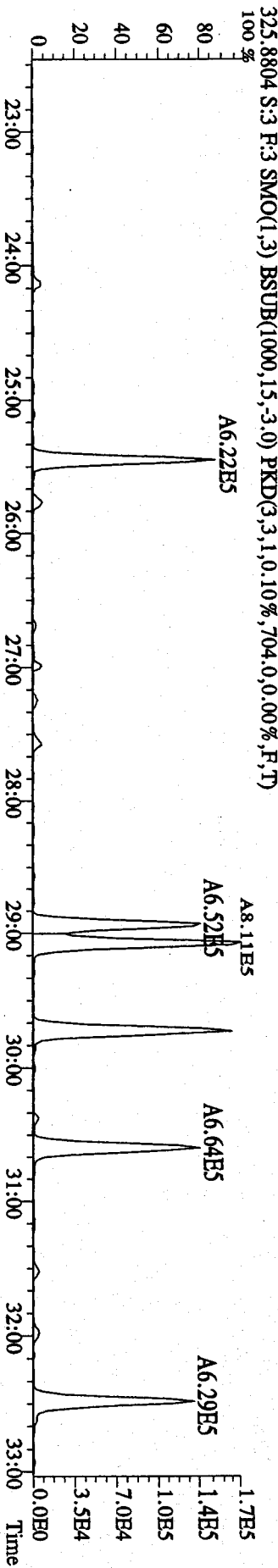
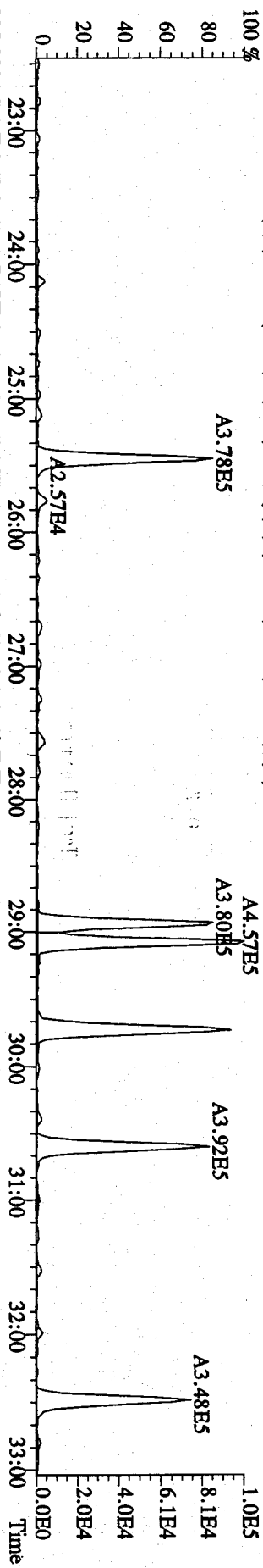
File:16DE09E9D5 #1-596 Acq:16-DEC-2009 15:44:01 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#3 Text:ST1216B :CSI 09DXN205 Exp:209DB5  
 289.9224 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,332,0,0,00%,F,T)  
 100% A5.43E5



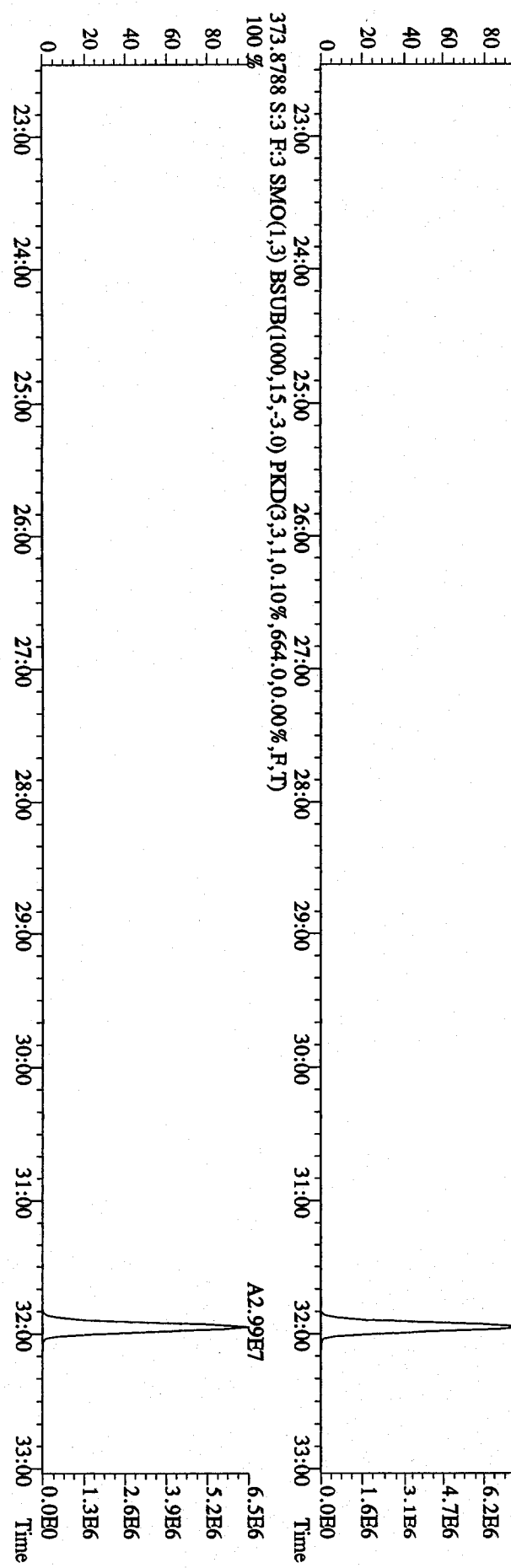
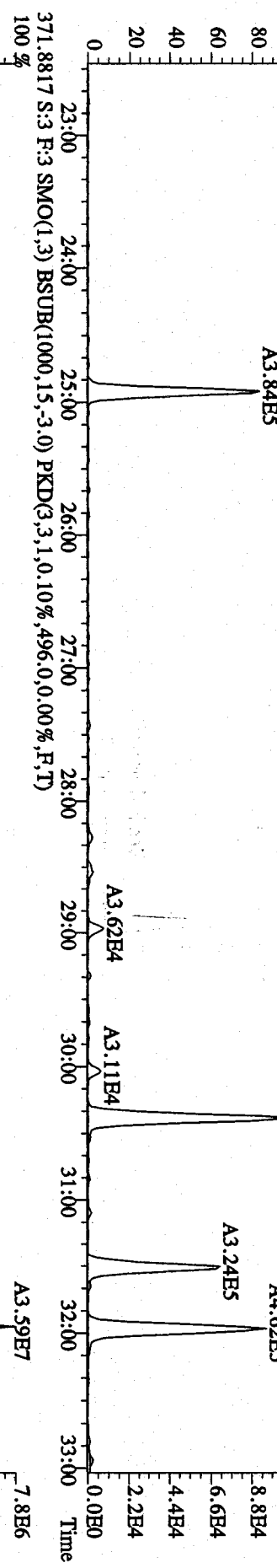
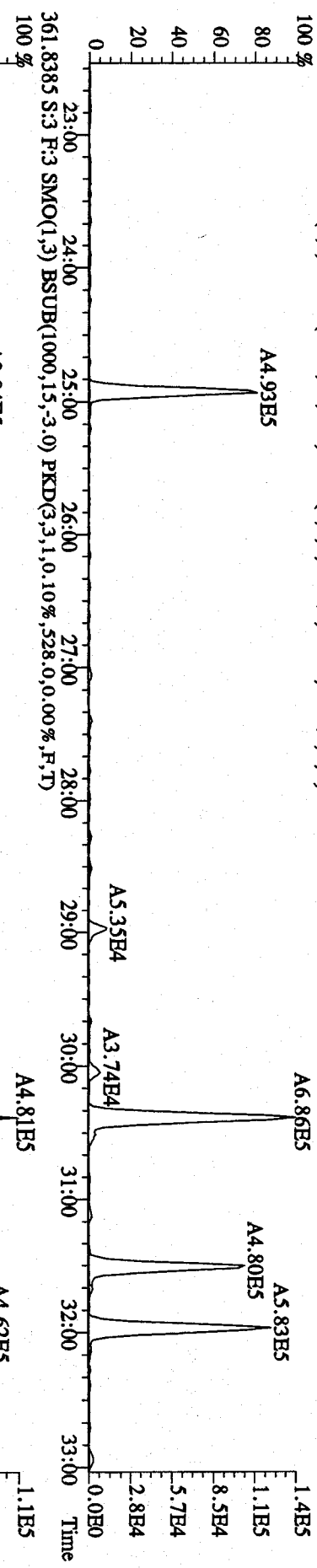
File: 16DE09E9D5 #1-382 Acq: 16-DEC-2009 15:44:01 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text: ST1216B :CSI\_09DXN205 Exp: 209DB5  
 323.8834 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,496,0,0,00%,F,T)  
 100%



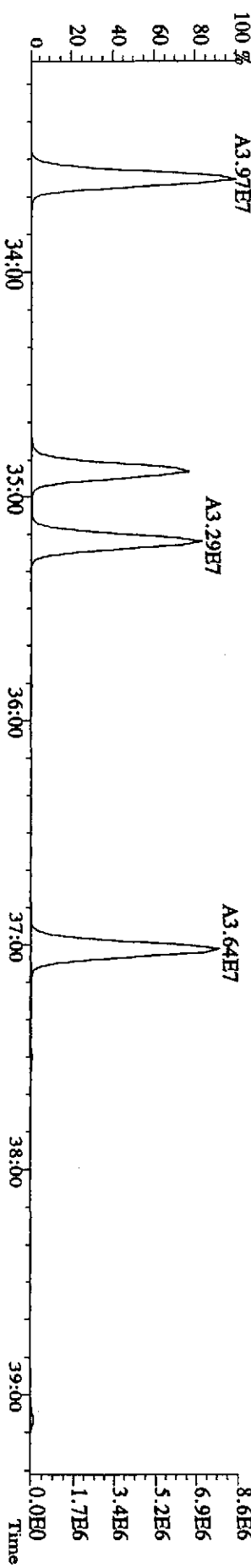
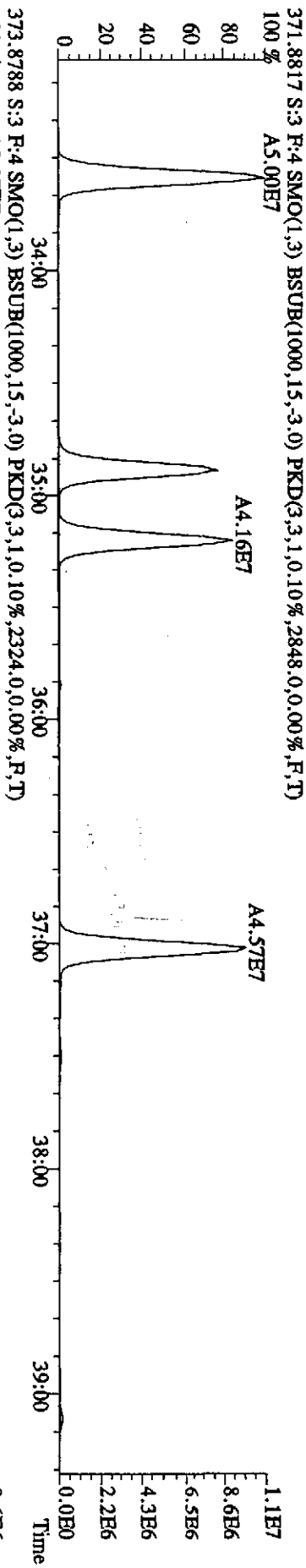
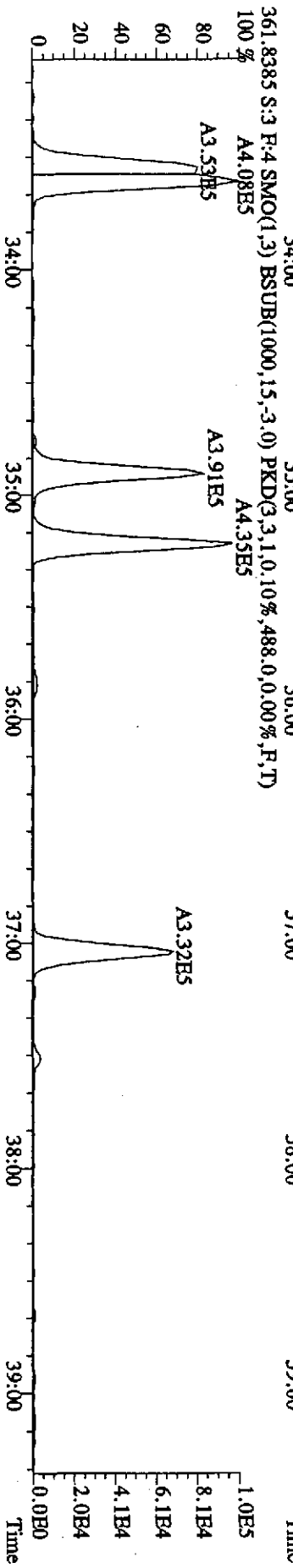
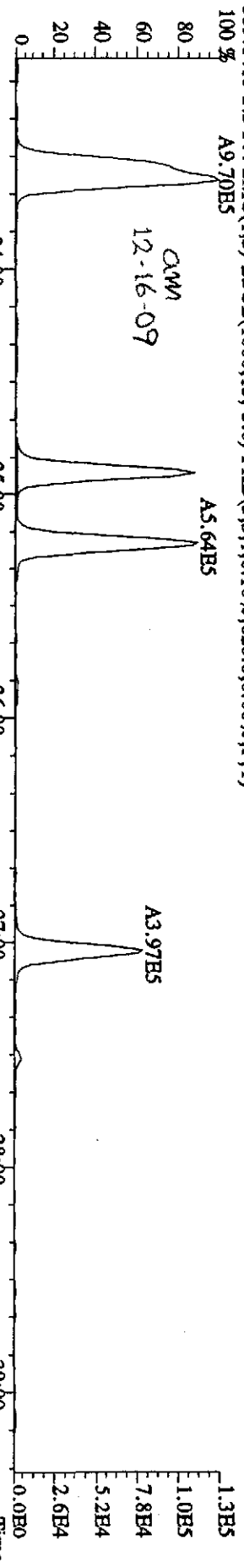




File:16DBE09E9D5 #1-596 Acq:16-DEC-2009 15:44:01 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST1216B :CSI 09DXN205 Exp:209DB5  
 359.8415 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,860.0,0.00%,F,T)



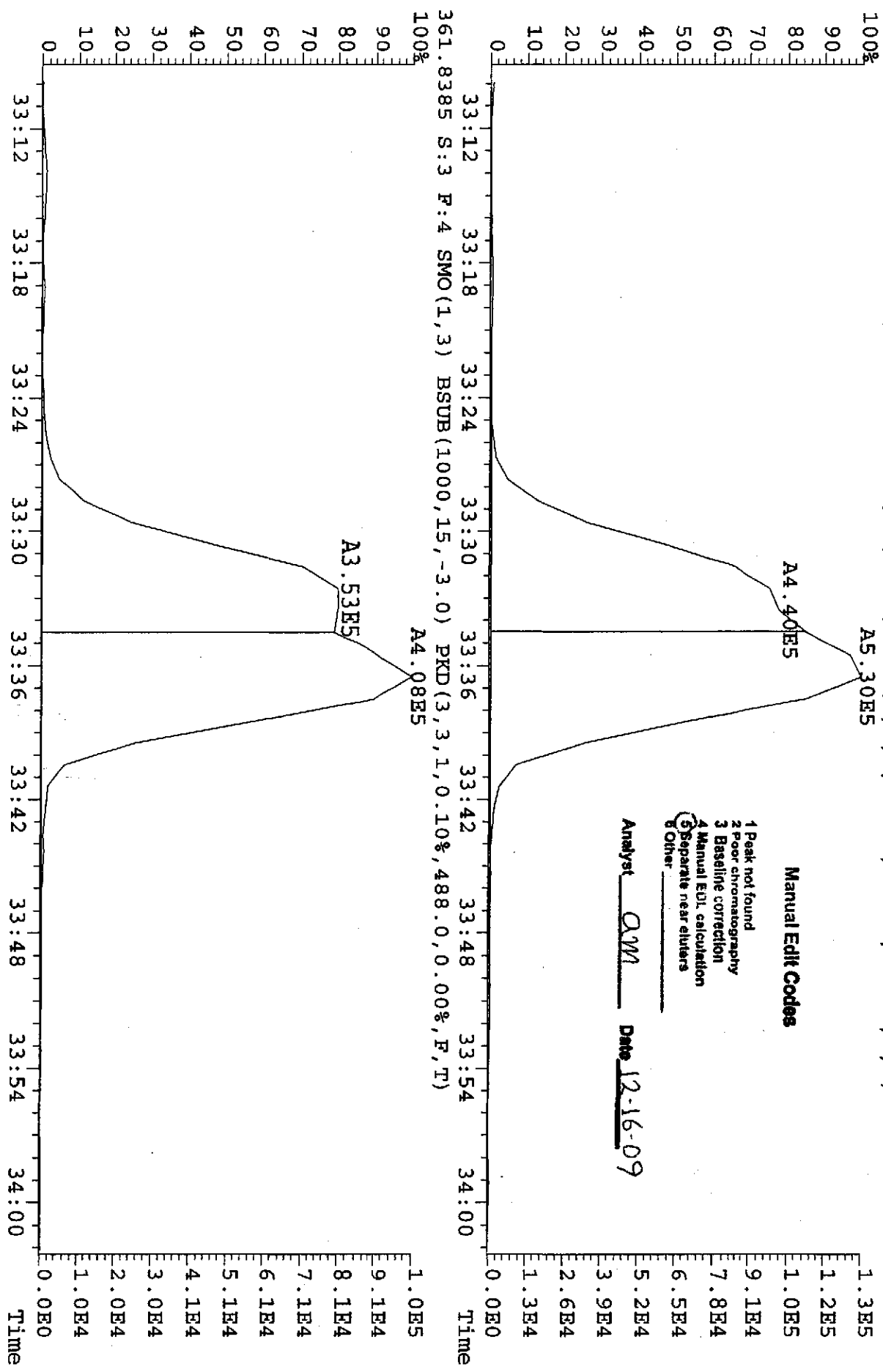
File:16DE09E9D5 #1-384 Acq:16-DEC-2009 15:44:01 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text:ST1216B :CSI 09DXN205 Exp:209DB5  
 359.8415 S:3 F:4 SMO(1,3) BSUBR(1000,15,-3.0) PKD(3,3,1,0.10%,620.0,0.00%,F,T)  
 100% A9.70E5



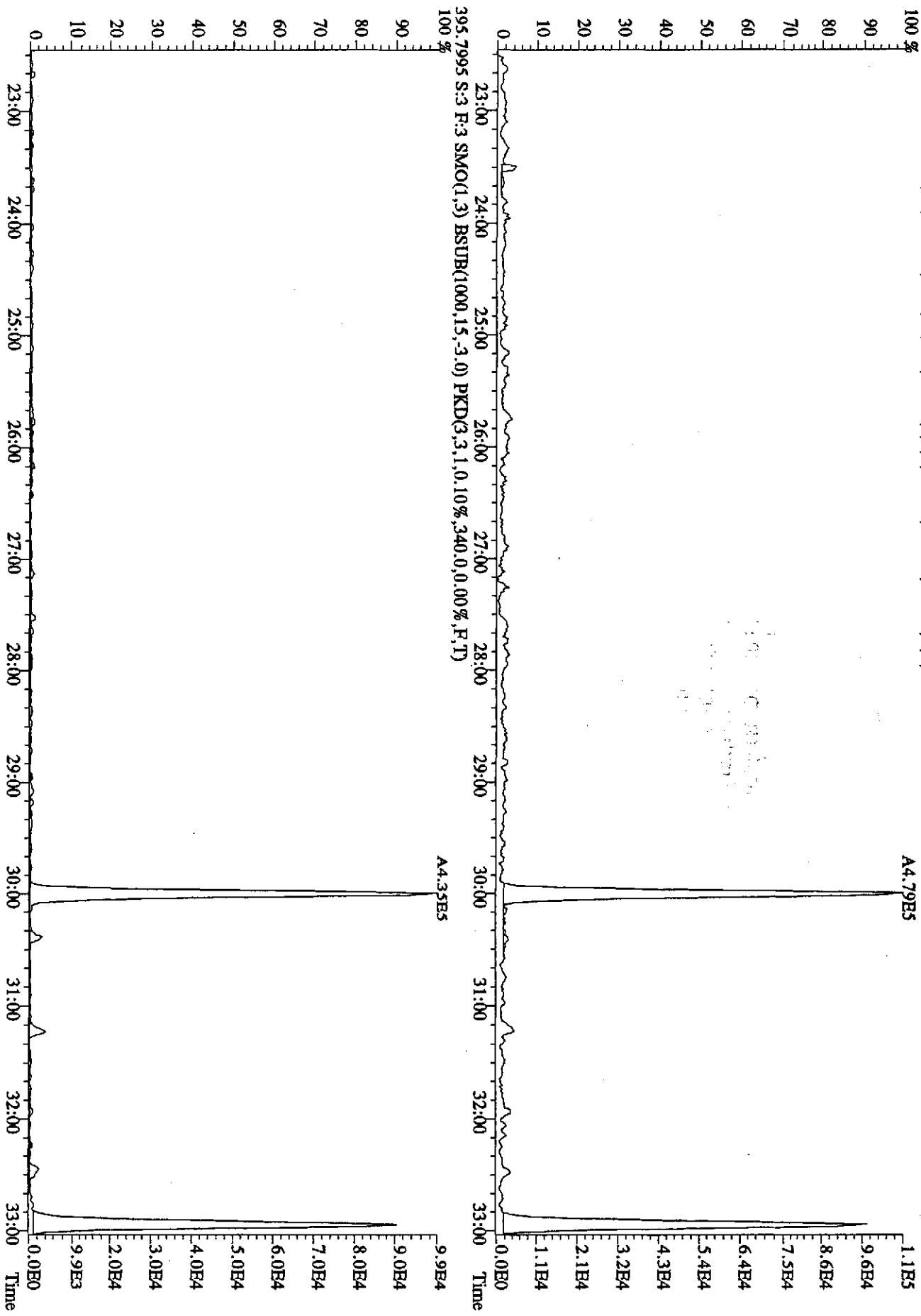
File: 16DE09E9D5 #1-384 Acq: 16-DEC-2009 15:44:01 GC FI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text: ST1216B : CSI 09DXN205 Exp: 209DB5  
 359.8415 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,620.0,0.00%,F,T)  
 100%

- Manual Edit Codes**
- 1 Peak not found
  - 2 Poor chromatography
  - 3 Baseline correction
  - 4 Manual EUL calculation
  - 5 Separate near eluters
  - 8 Other

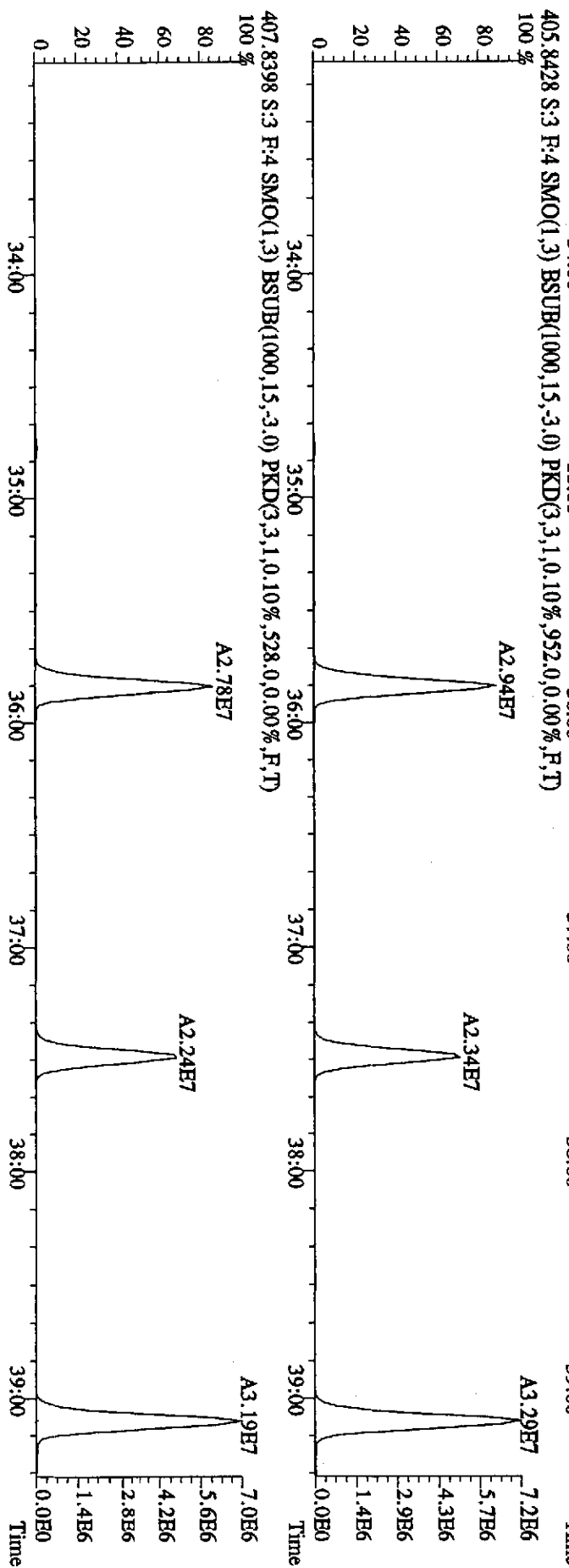
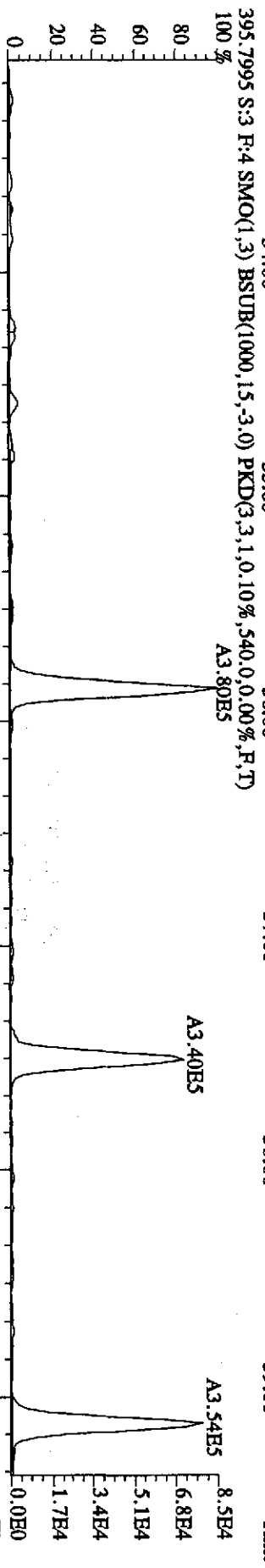
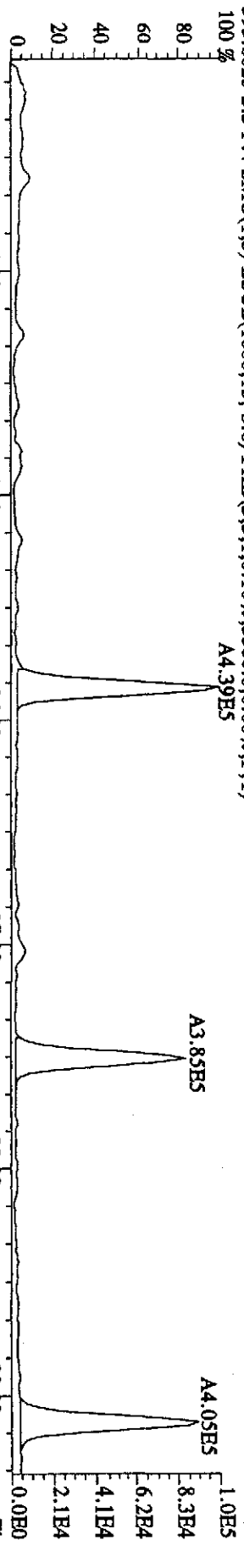
Analyst QMM Date 12-16-09

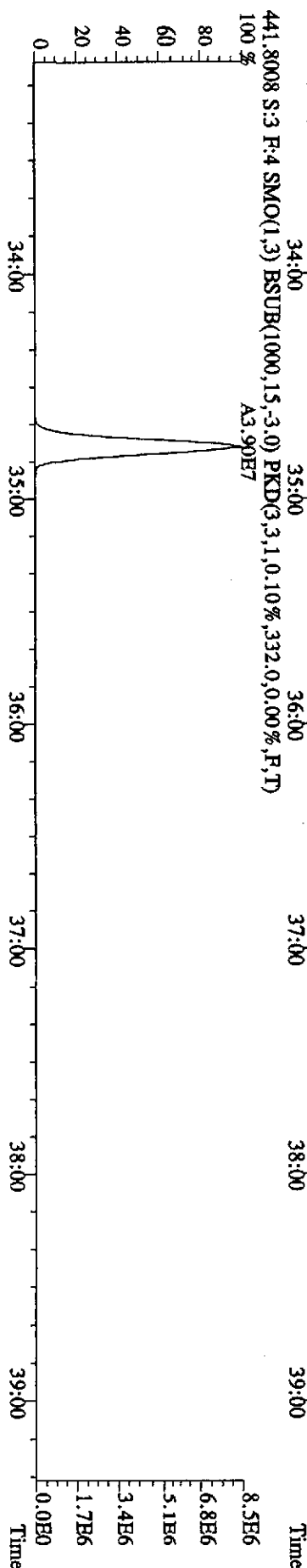
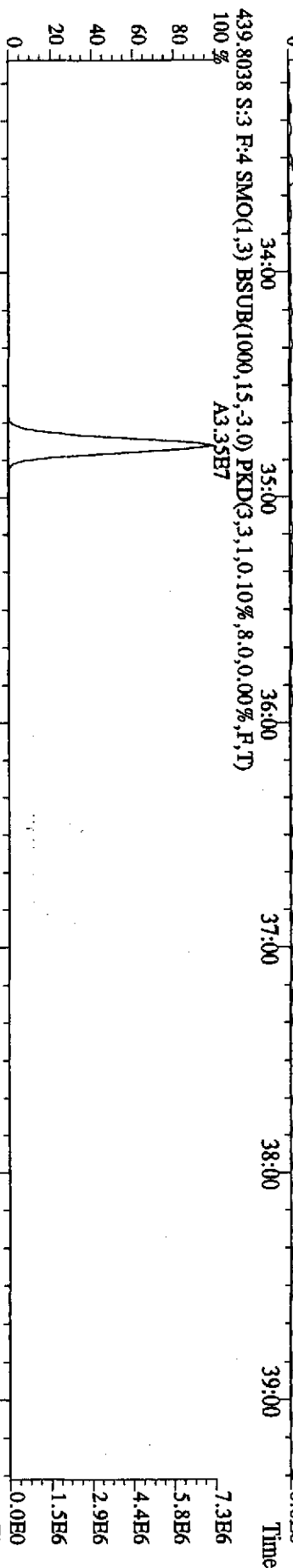
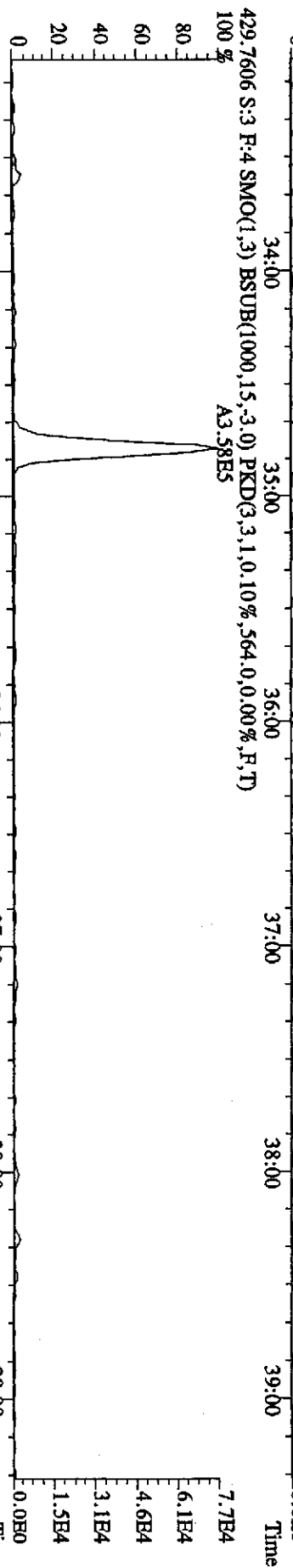
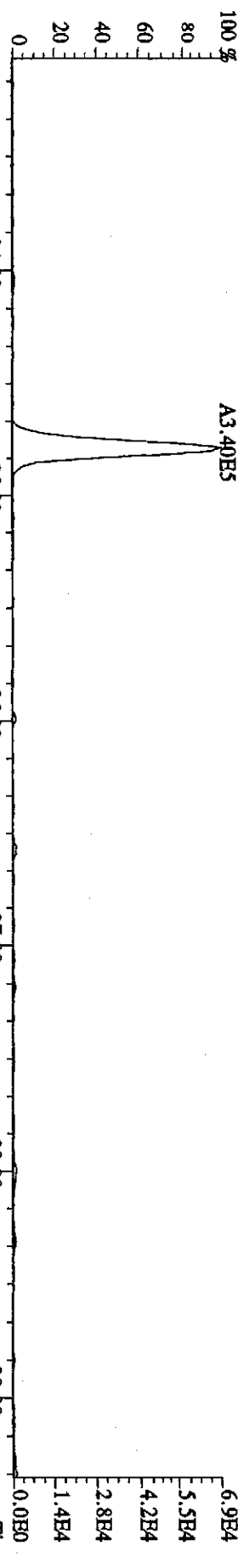


File: 16DB09B9D5 #1-596 Acq: 16-DEC-2009 15:44:01 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#3 Text: ST1216B :CSI 09DXN205 Exp: 209DB5  
 393.8025 S:3 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2232,0,0,00%,F,T)  
 100%

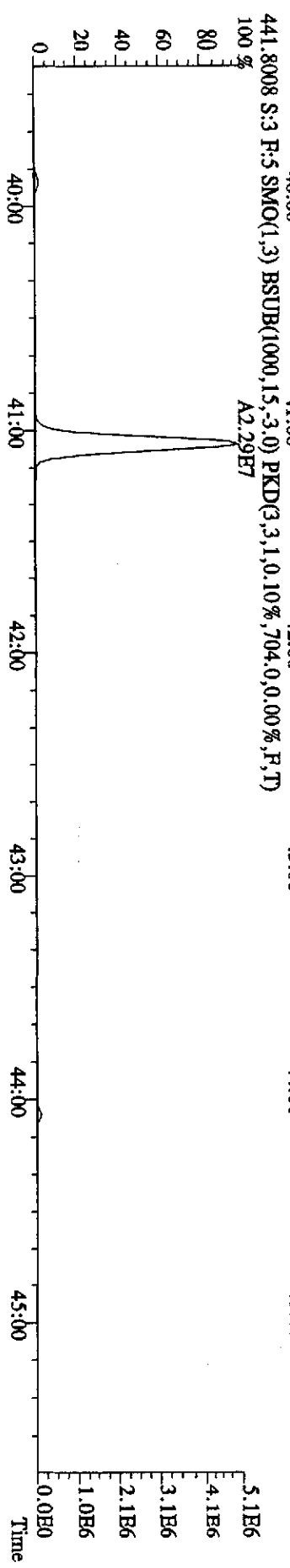
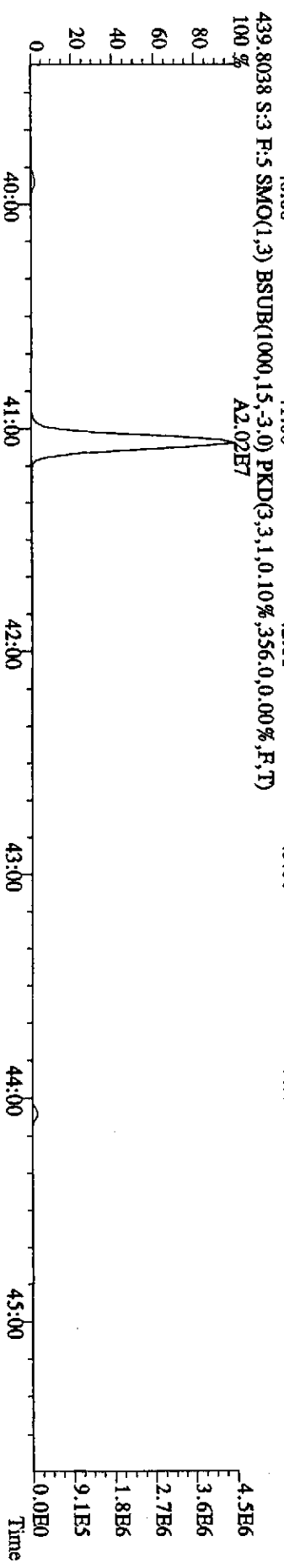
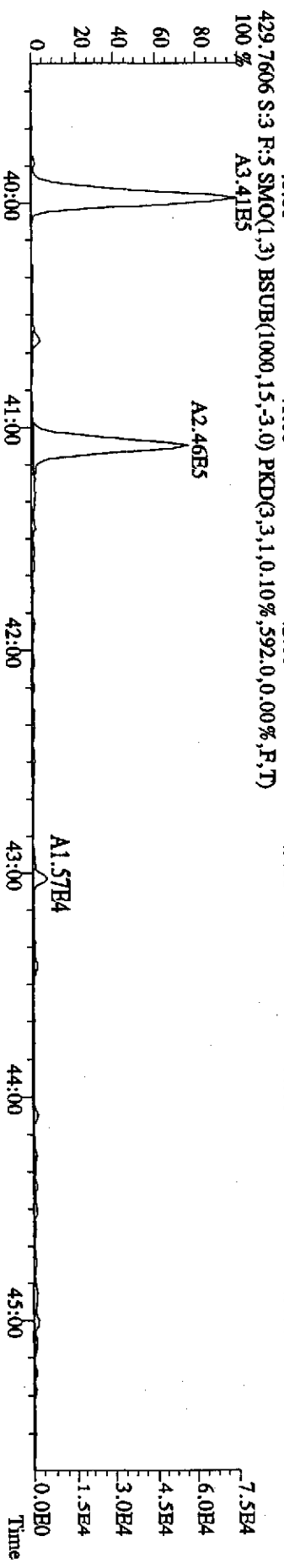
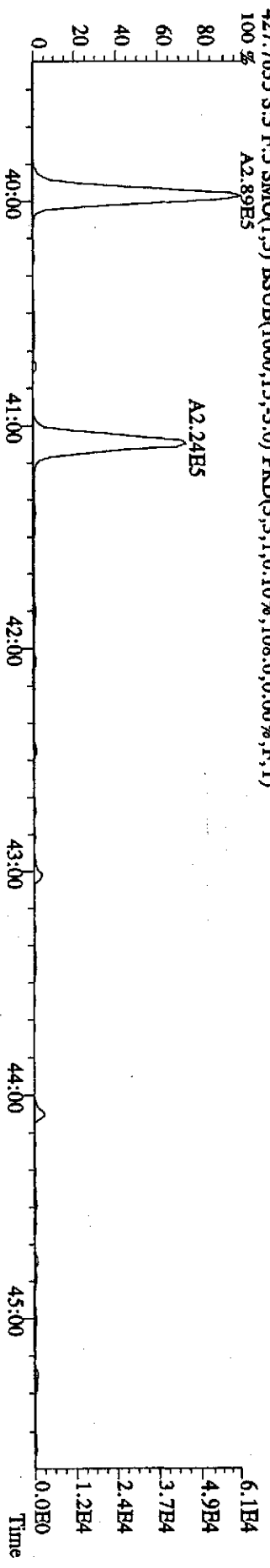


File:16DE09E9D5 #1-384 Acq:16-DEC-2009 15:44:01 GC HI+ Voltage SIR Autospec-UltimaE  
 Sample#3 Text:ST1216B :CSI 09DXN205 Exp:209DB5  
 393.8025 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3380,0,0,00%,F,T)  
 405.8428 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,952,0,0,00%,F,T)  
 407.8398 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,528,0,0,00%,F,T)





File:16DE09E9D5 #1-418 Acq:16-DEC-2009 15:44:01 GC HI+ Voltage SIR Autospec-UltimaB  
 Sample#3 Text:ST1216B :CS1 09DXN205 Exp:209DB5  
 427.7635 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,108,0,0,00%,F,T)  
 100% A2.89E5



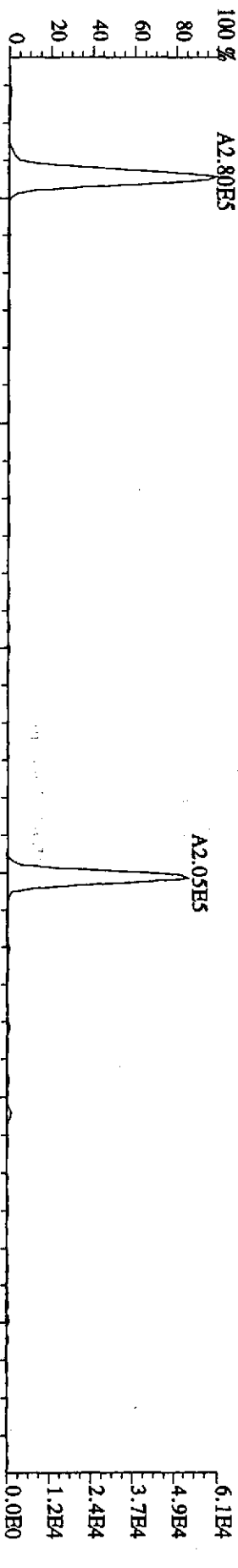


File:16DBE09E9D5 #1-418 Acq:16-DEC-2009 15:44:01 GC HI + Voltage SIR Autospec-UtimaH

Sample#3 Text:ST1216B :CS1 09DXNZ05 Exp:209DB5

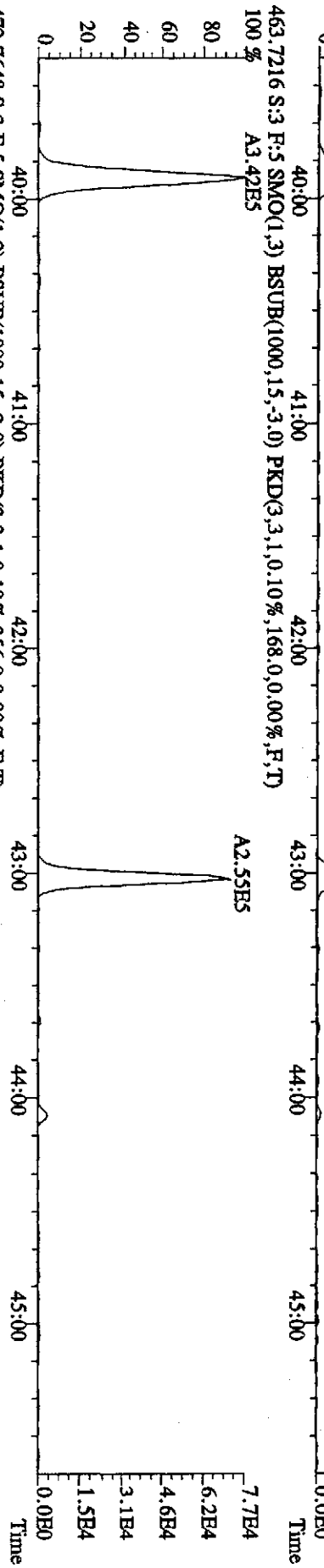
461.7245 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,92.0,0.00%,F,T)

100% A2.80E5



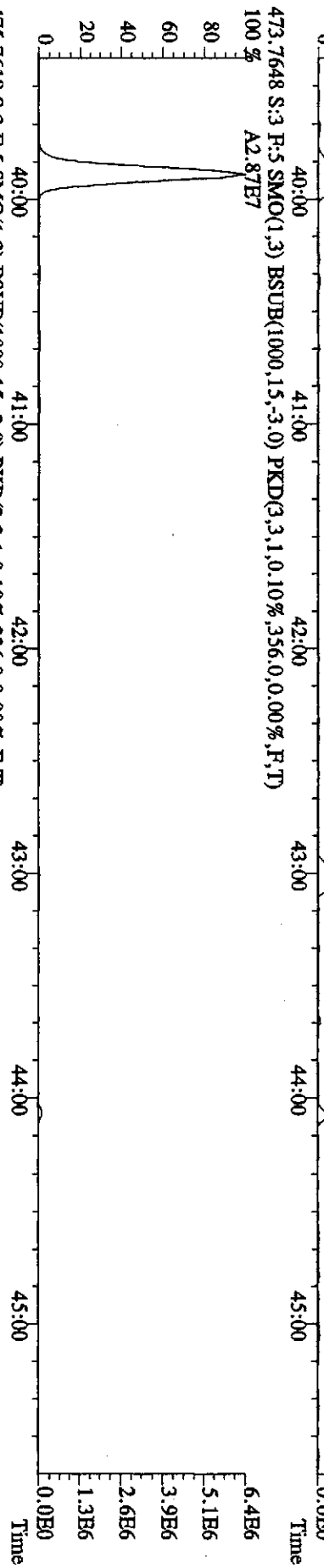
463.7216 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,168.0,0.00%,F,T)

100% A3.42E5



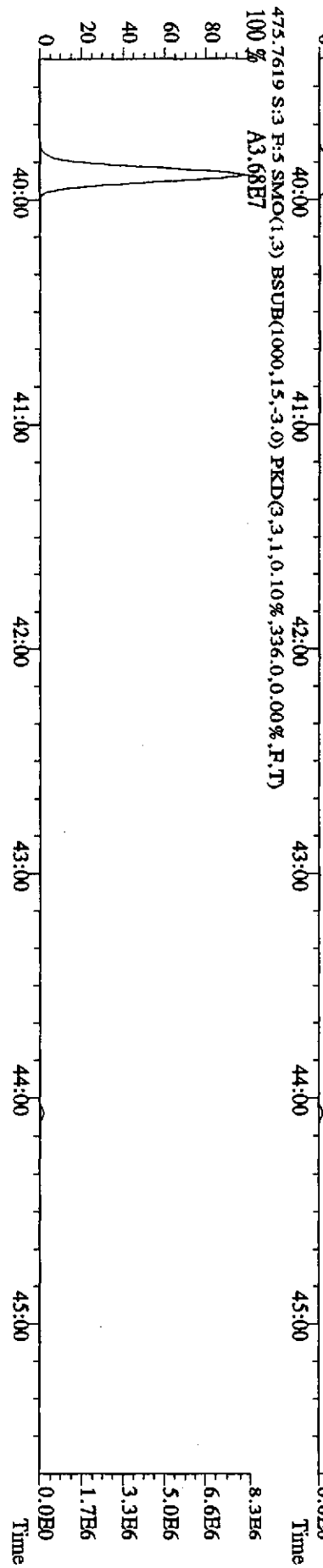
473.7648 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,356.0,0.00%,F,T)

100% A2.87E7



475.7619 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,336.0,0.00%,F,T)

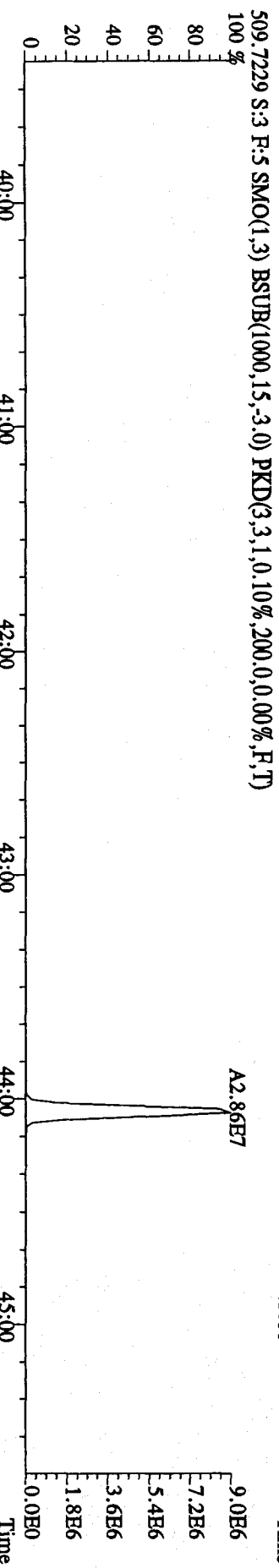
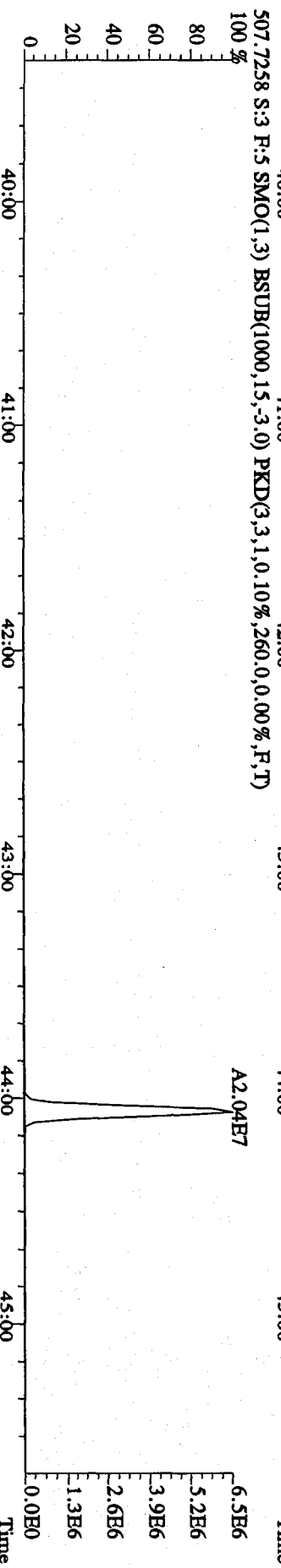
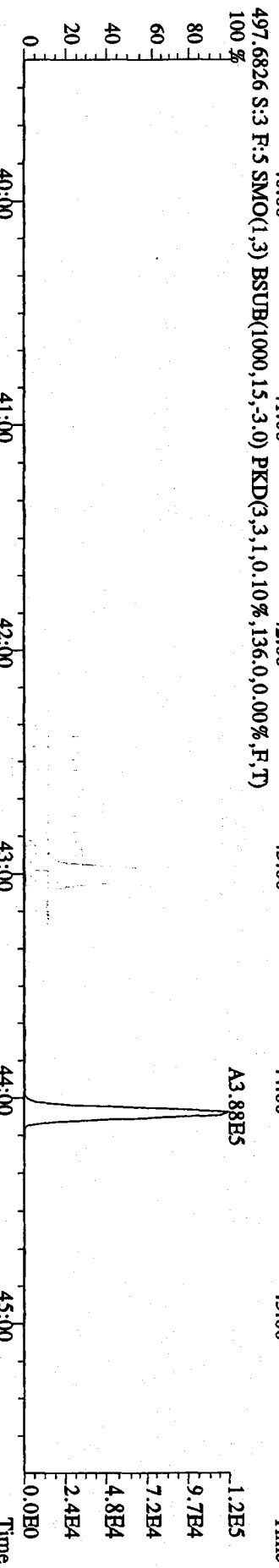
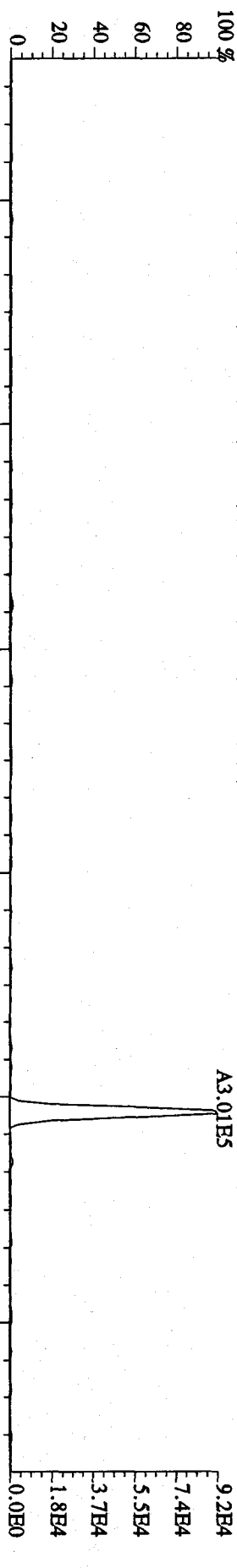
100% A3.68E7



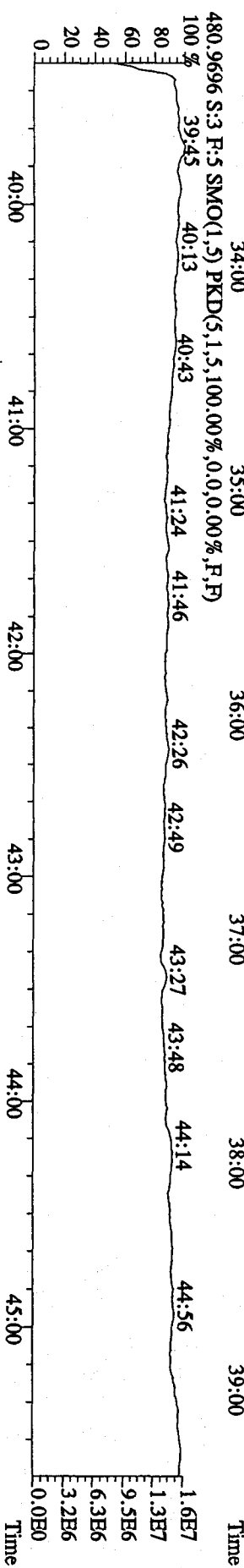
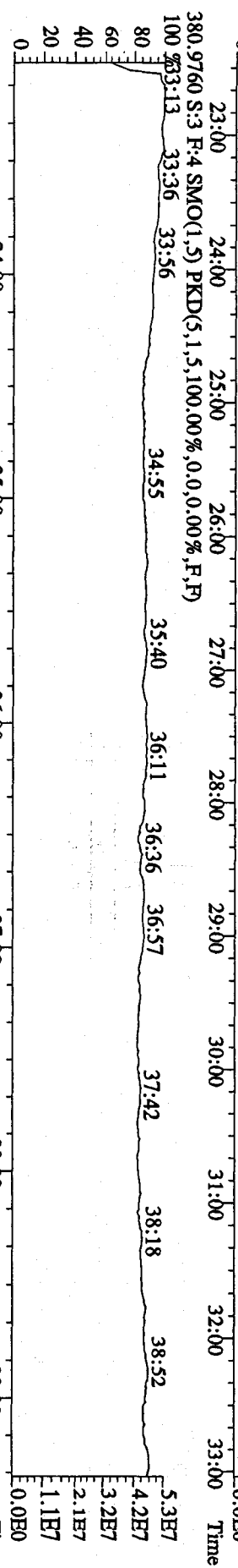
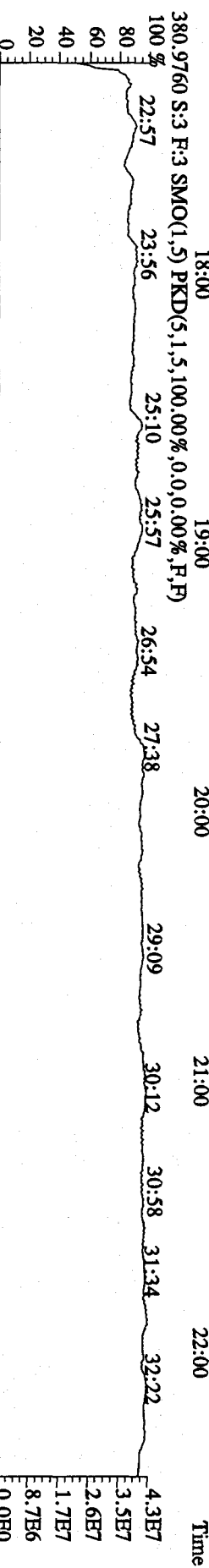
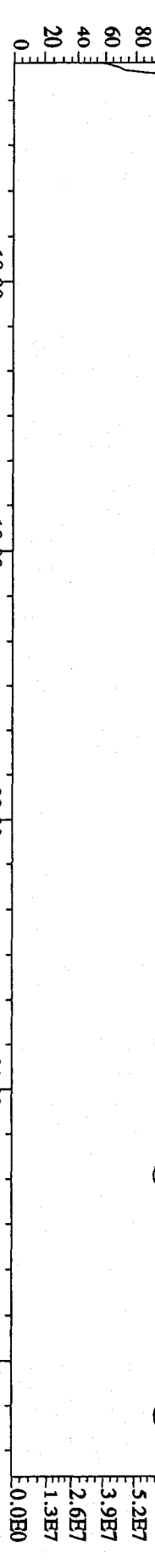
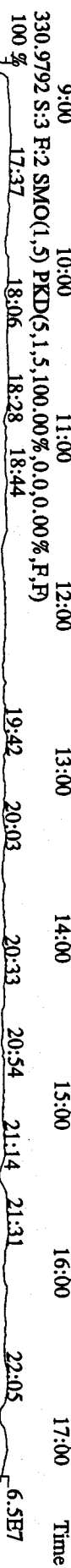
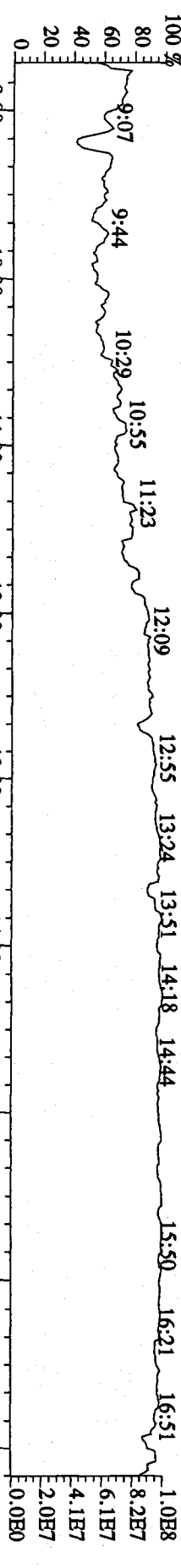
Sample#3 Text:ST1216B :CSI 09DXN205

Exp:209DB5

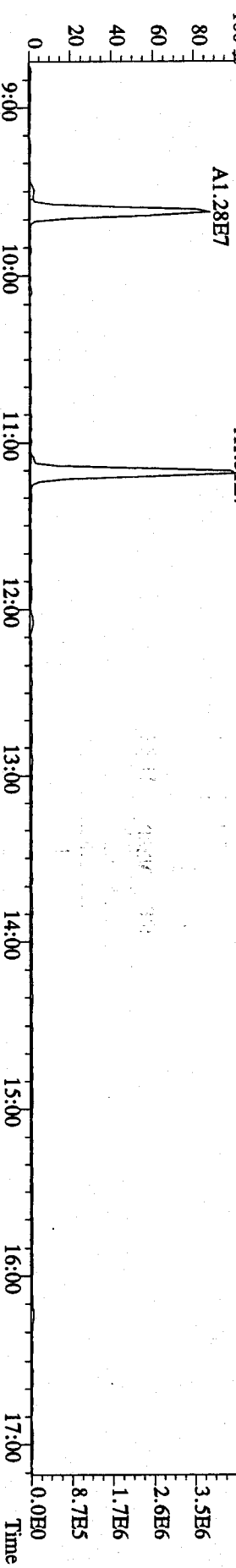
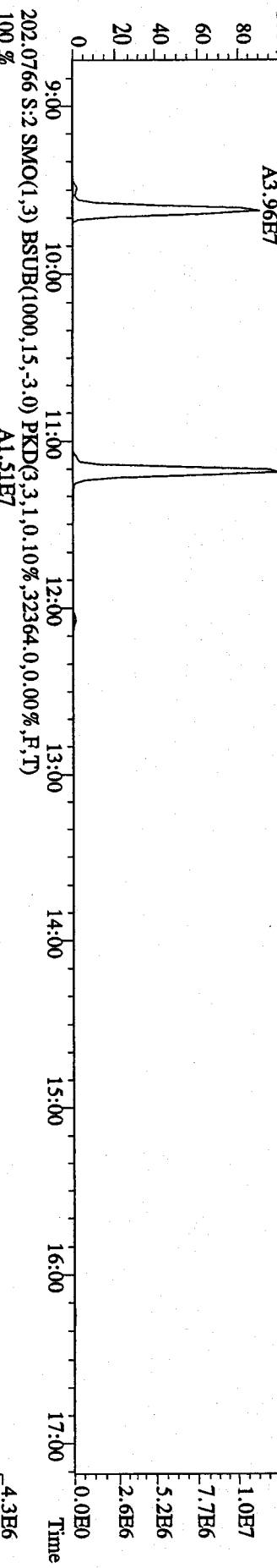
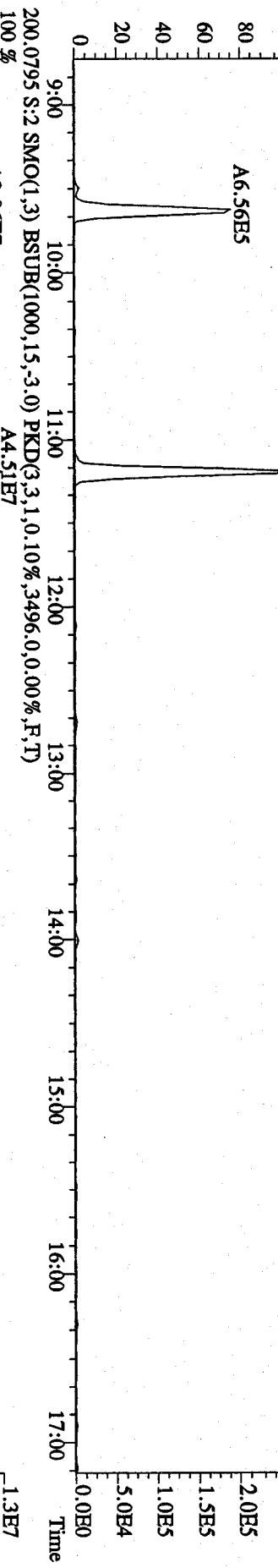
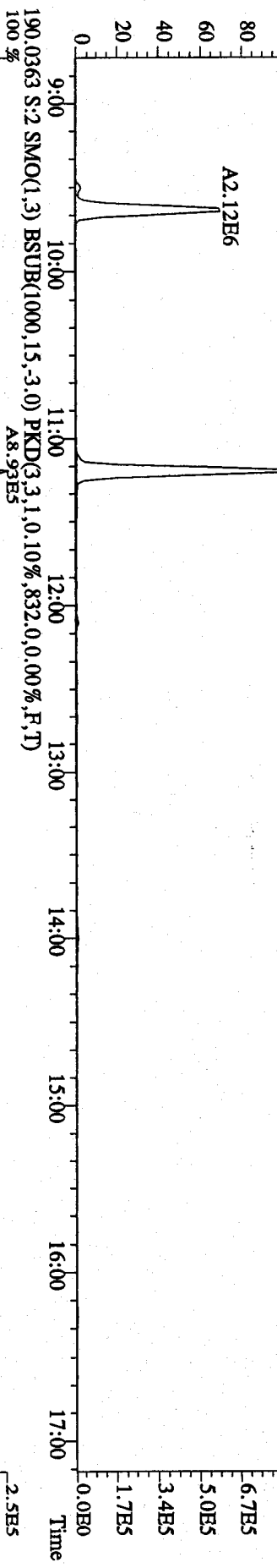
495.6856 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,244.0,0.00%,F,T)

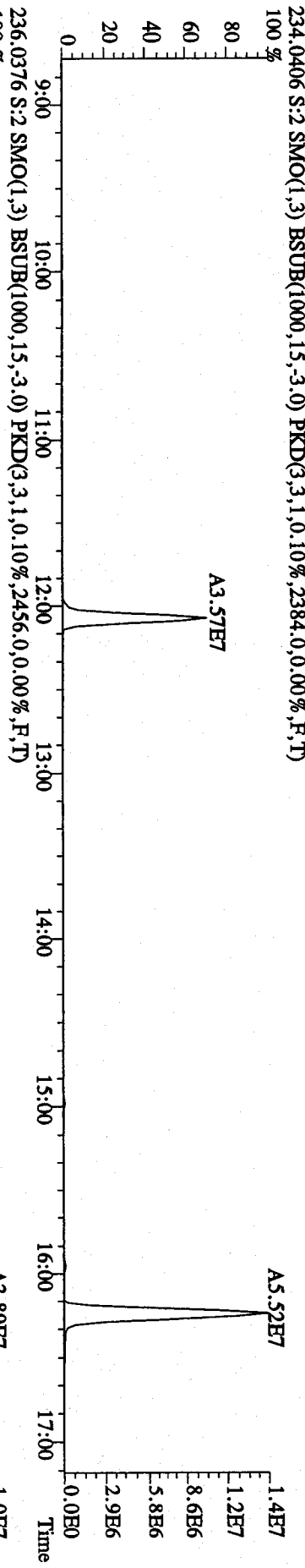
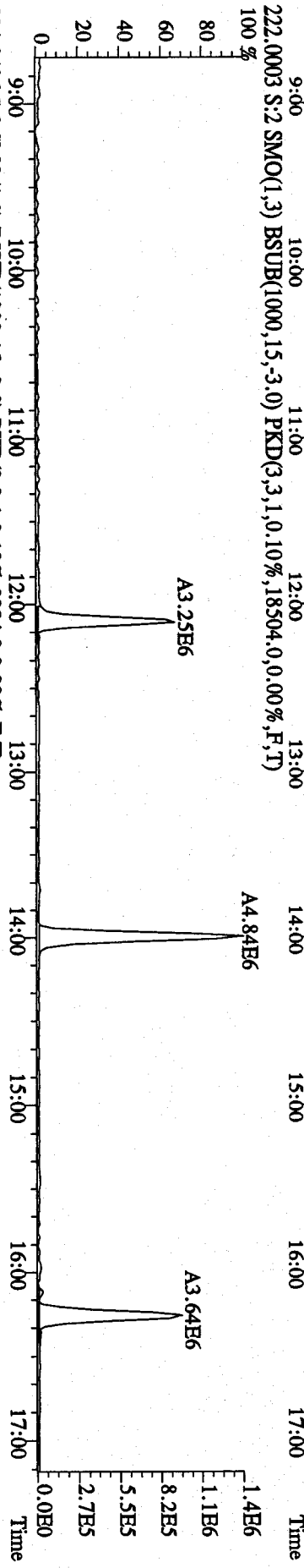
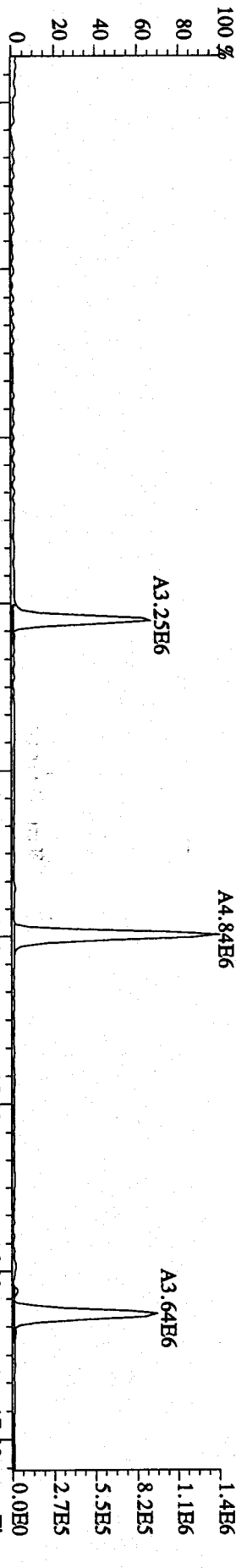


File:16DE09E9D5 #1-516 Acq:16-DEC-2009 15:44:01 GC EI + Voltage SIR Autospec-UltimaF  
 Sample#3 Text:ST1216B :CSI 09DXN205 Exp:209DB5  
 218.9856 S:3 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)

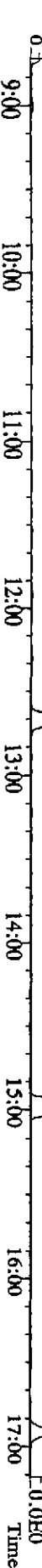
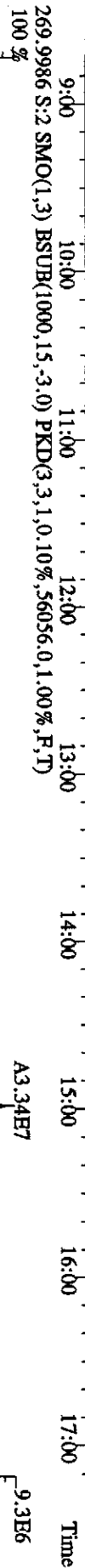
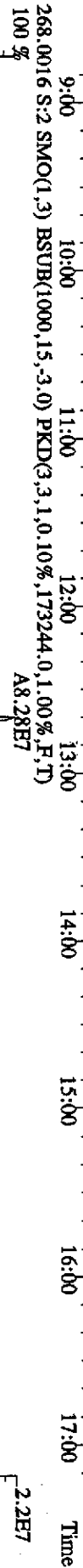
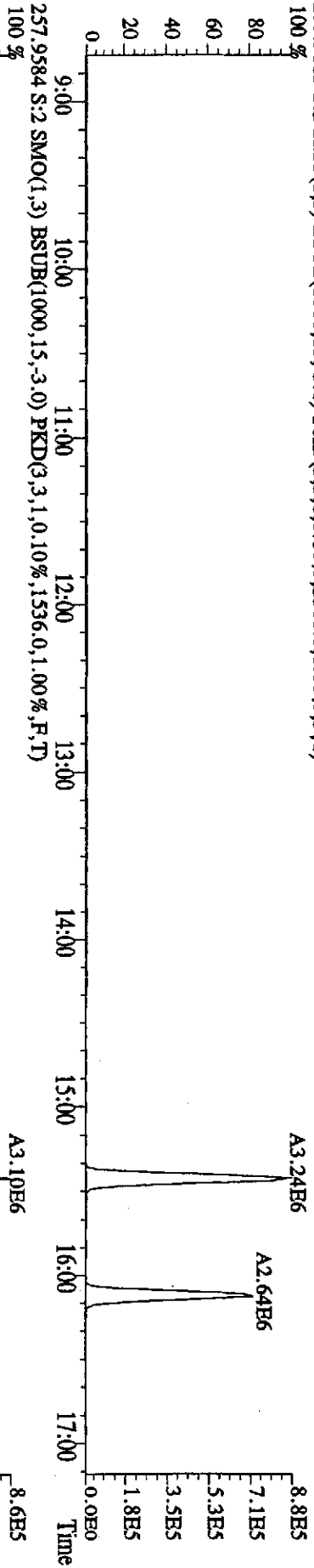


File:16DE09E9D5 #1-516 Acq:16-DEC-2009 14:52:40 GC FI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST1216A :CS2 09DXN206 Exp:209DB5  
 188.0393 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1108,0,0,00%,F,T)  
 100%





File: 16DE09E9D5 #1-516 Acq:16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST1216A :CS2 09DXN206 Exp:209DB5  
 257.9584 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1536,0,1,00%,F,T) 100%

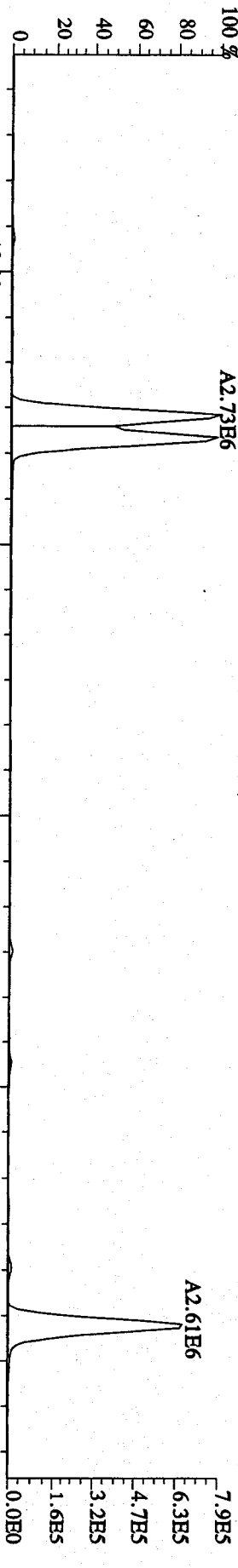


File:16DDE09E9D5 #1-381 Acq:16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-UltimaE

Sample#2 Text:ST1216A :CS2 09DXN206 Exp:209DB5

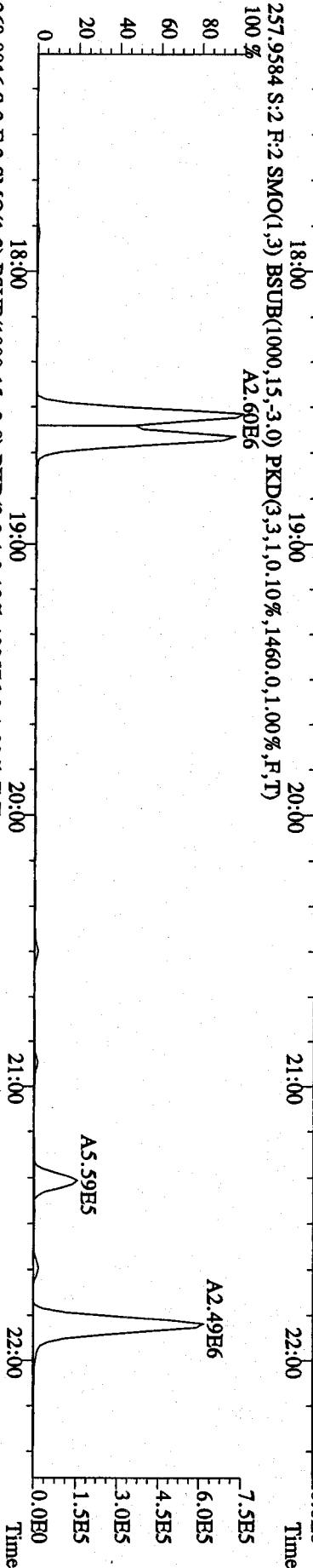
255.9613 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,2084.0,1.00%,F,T)

100% A2.73E6



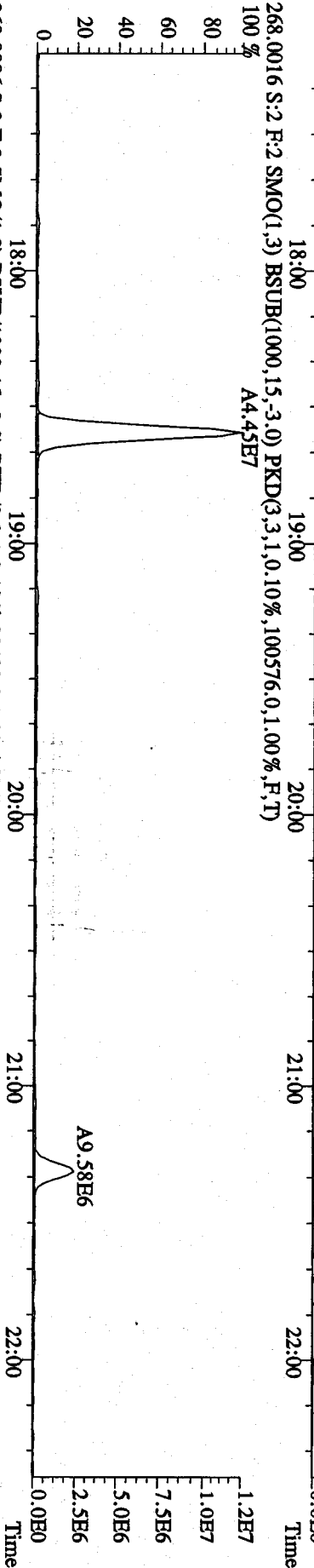
257.9584 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1460.0,1.00%,F,T)

A2.60E6



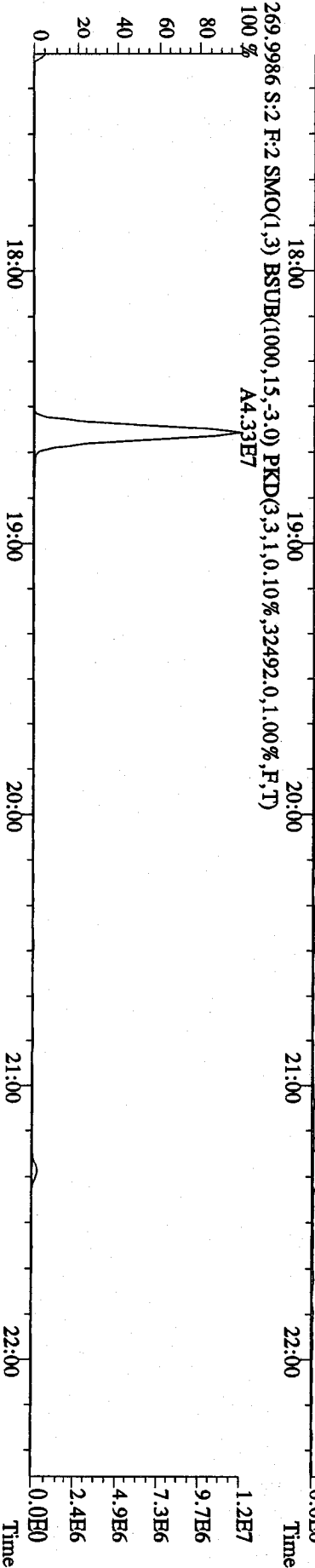
268.0016 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,100576.0,1.00%,F,T)

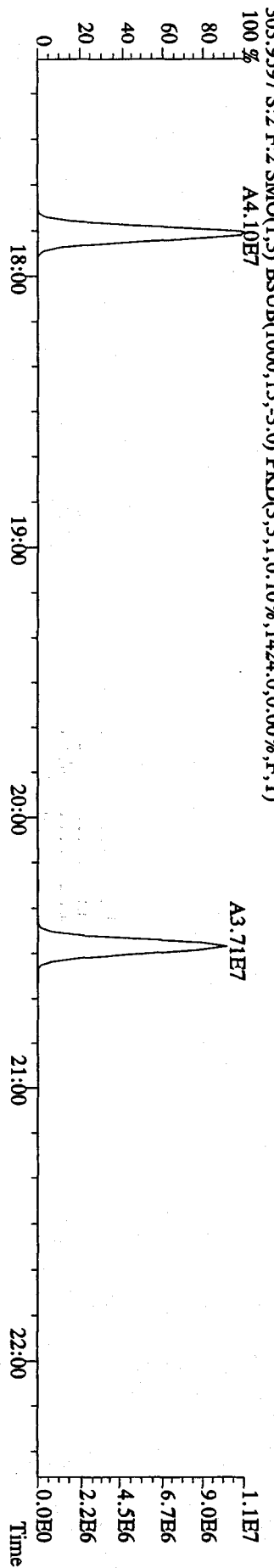
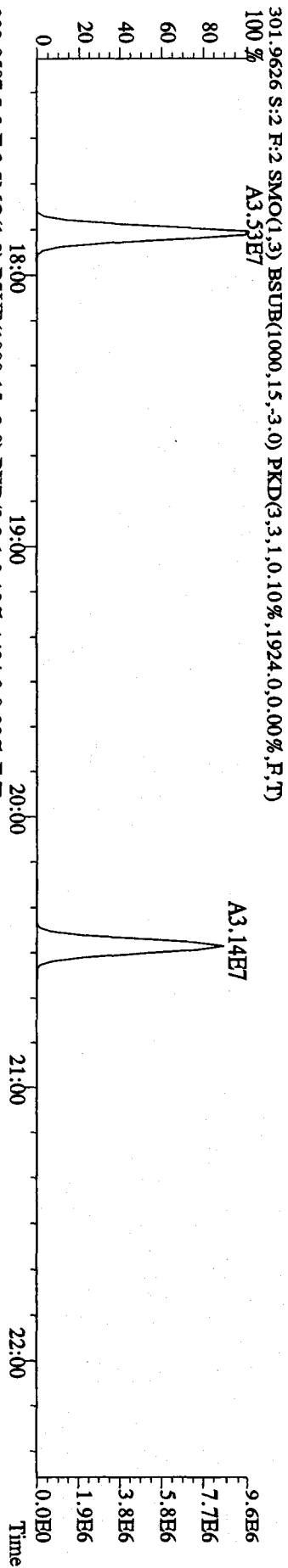
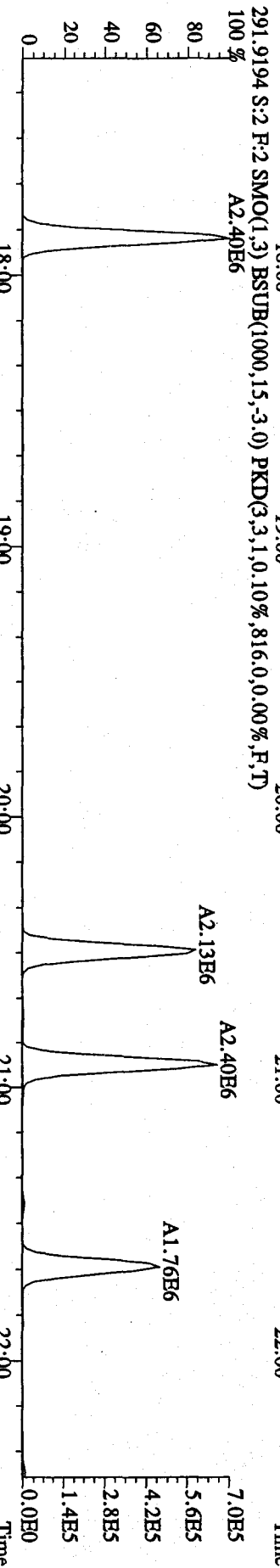
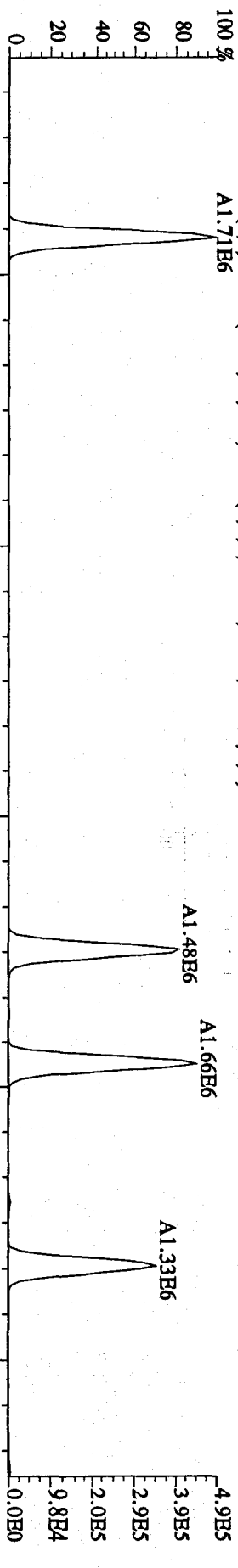
A4.45E7



269.9986 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,32492.0,1.00%,F,T)

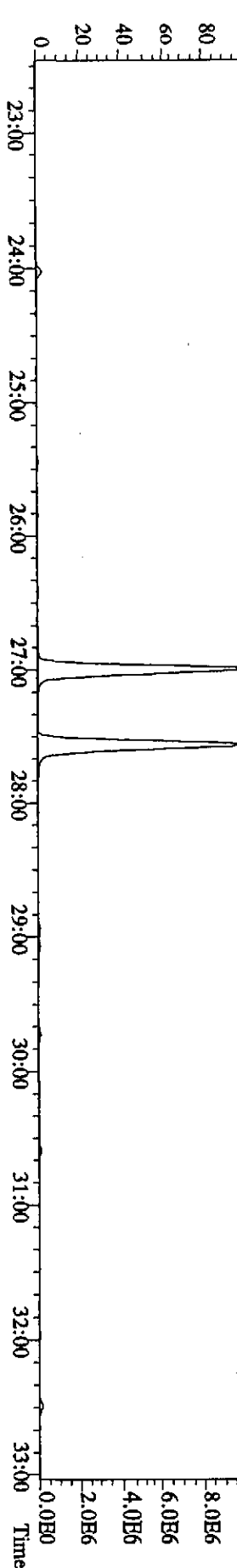
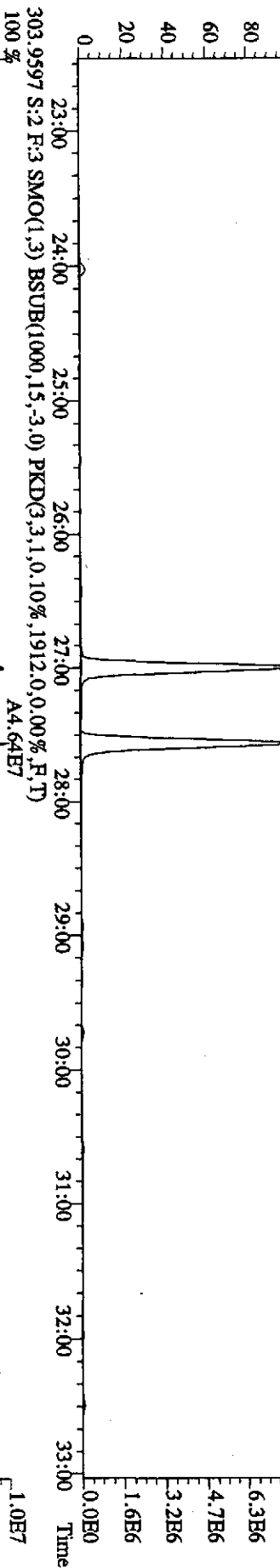
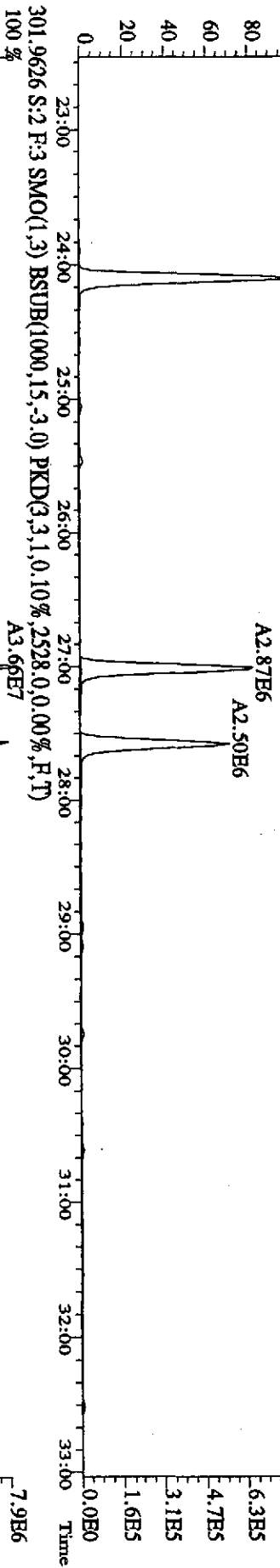
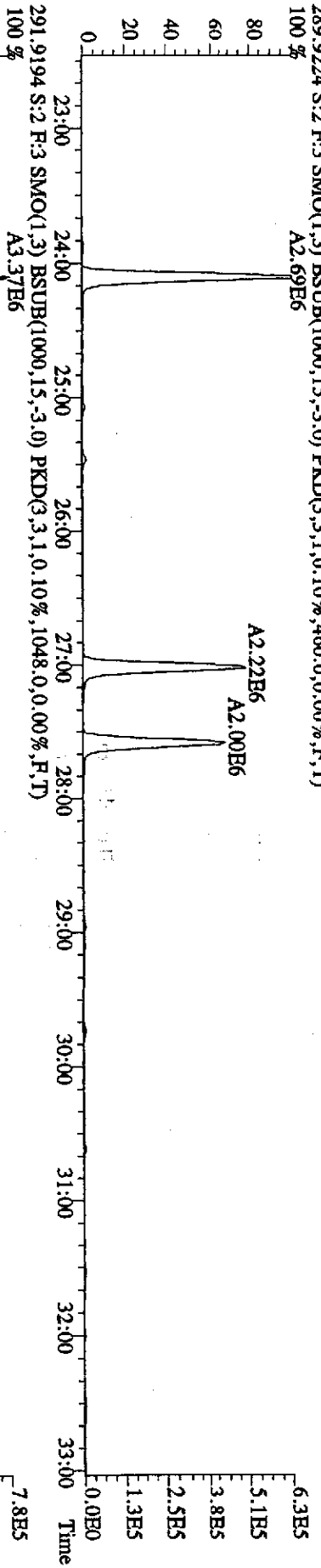
A4.33E7



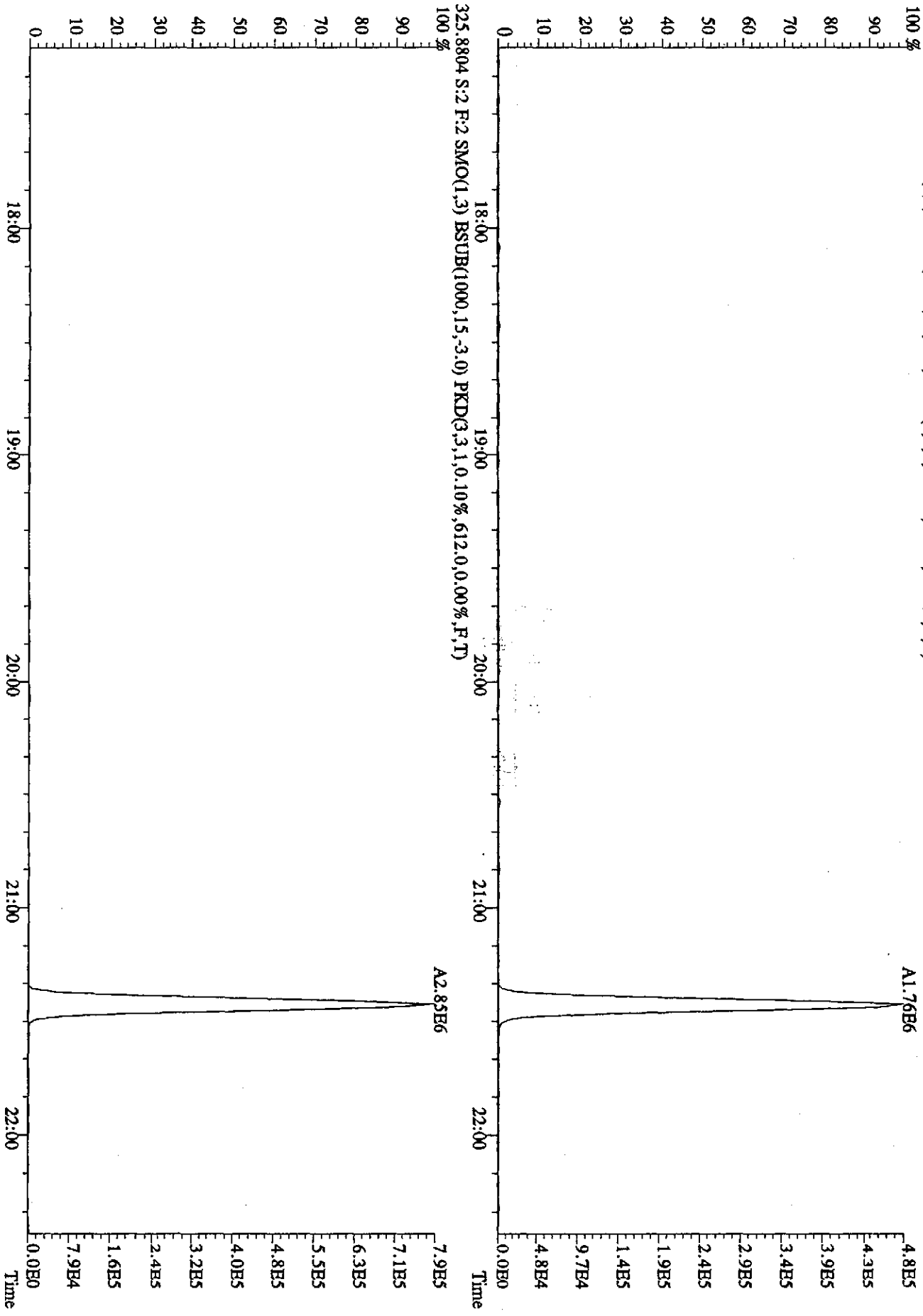




File:16DE09E9D5 #1-596 Acq:16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text:ST1216A :CS2 09DXN206 Exp:209DB5  
 289.9224 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,460,0,0,00%,F,T)  
 100% A2.69E6

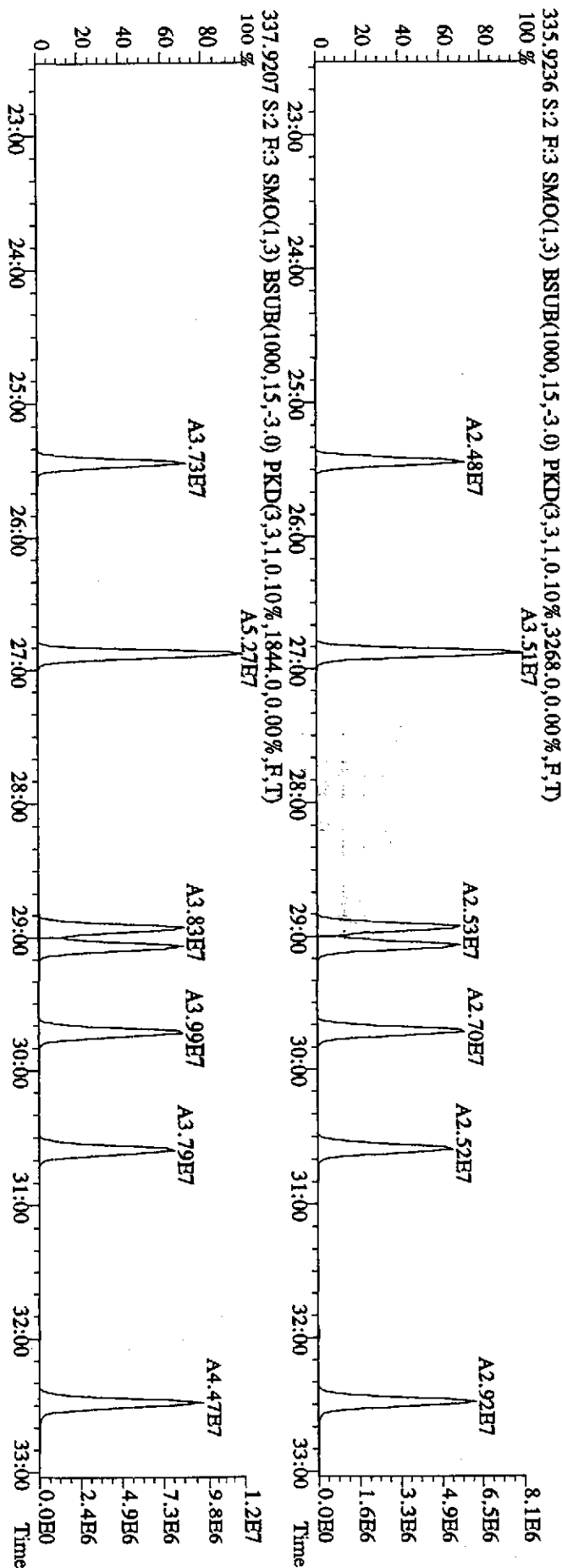
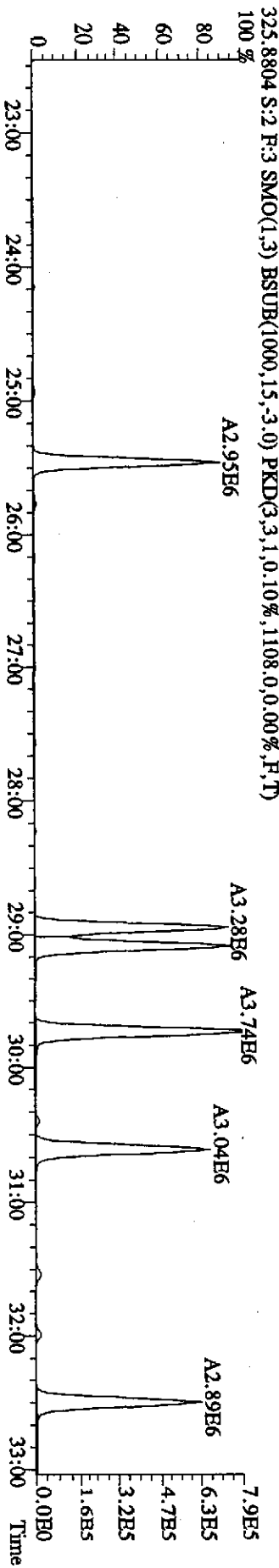
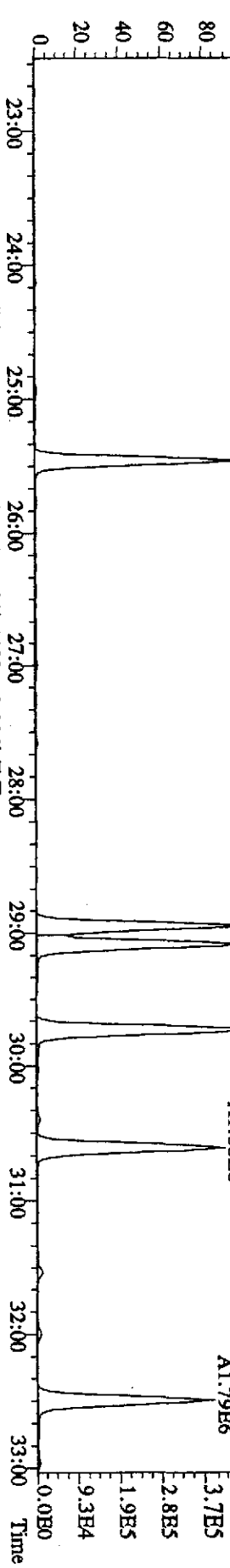


File: 16DE09E9D5 #1-381 Acq: 16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text: ST1216A :CS2 09DDXNZ06 Exp: 209DB5  
 325.8804 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,612,0,0.00%,F,T)  
 100%



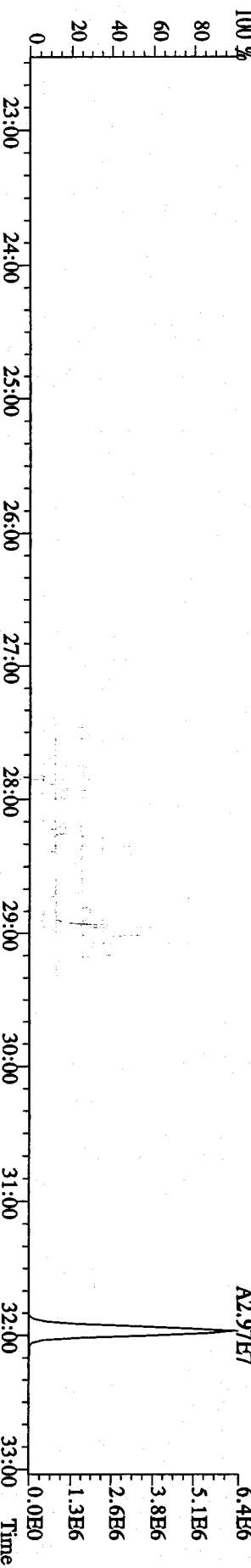
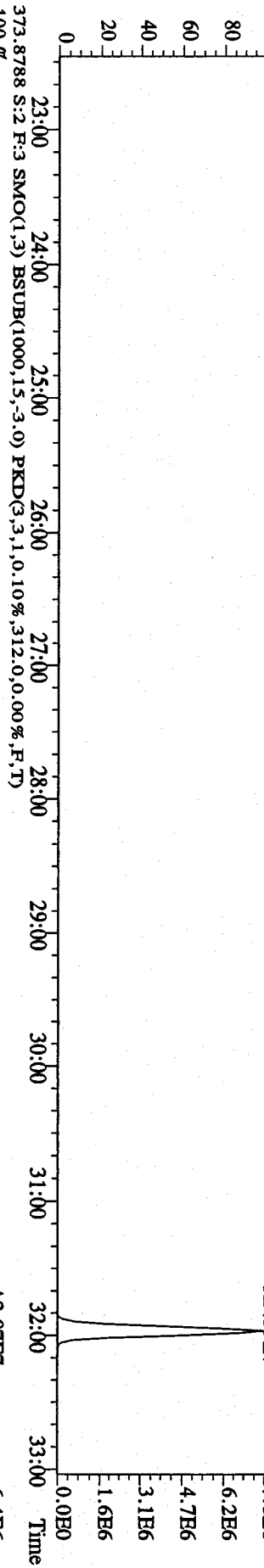
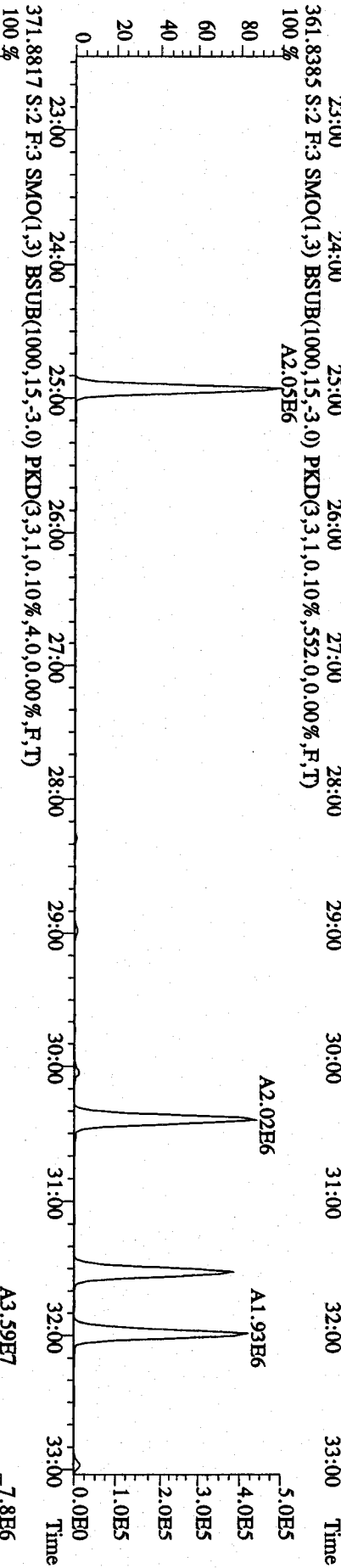
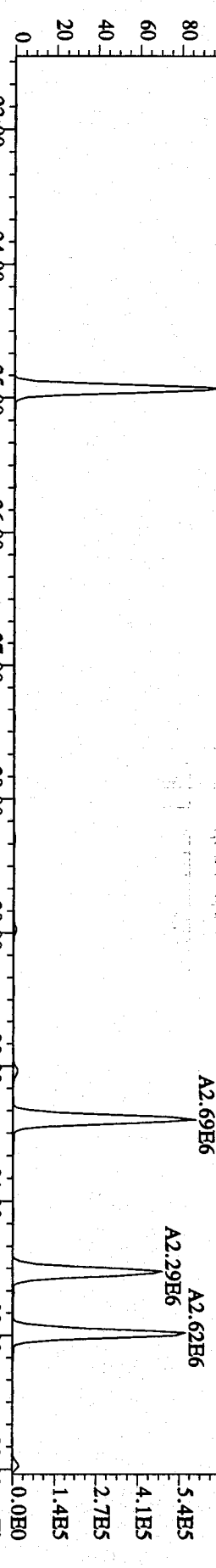
Sample#2 Text:ST1216A :CS2 09DXN206 Exp:209DB5

323.8834 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1028,0,0,00%,F,T)



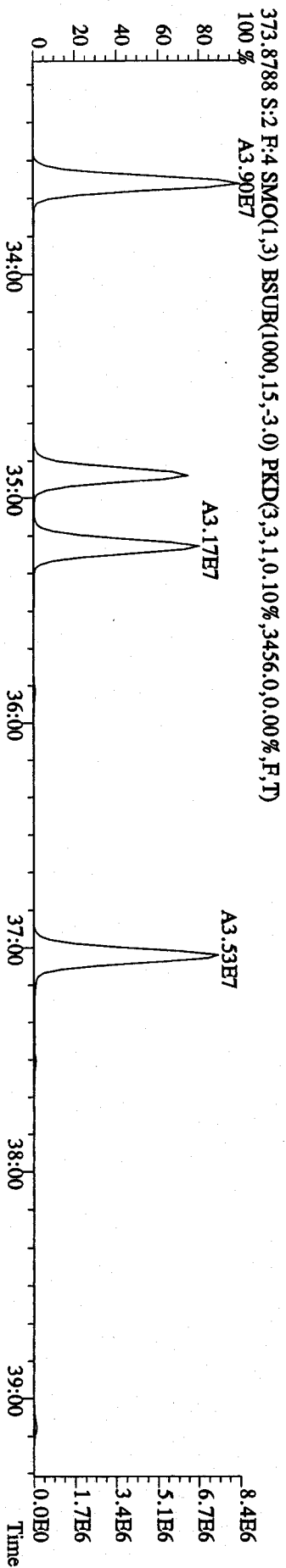
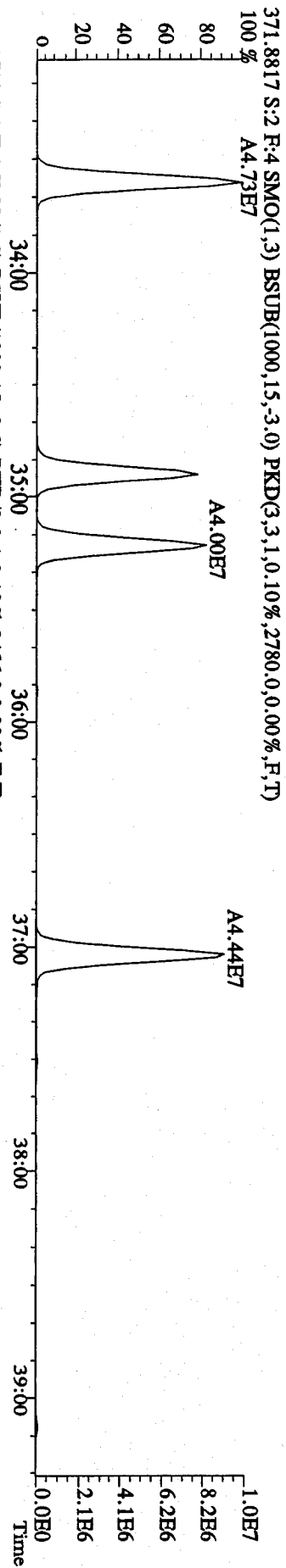
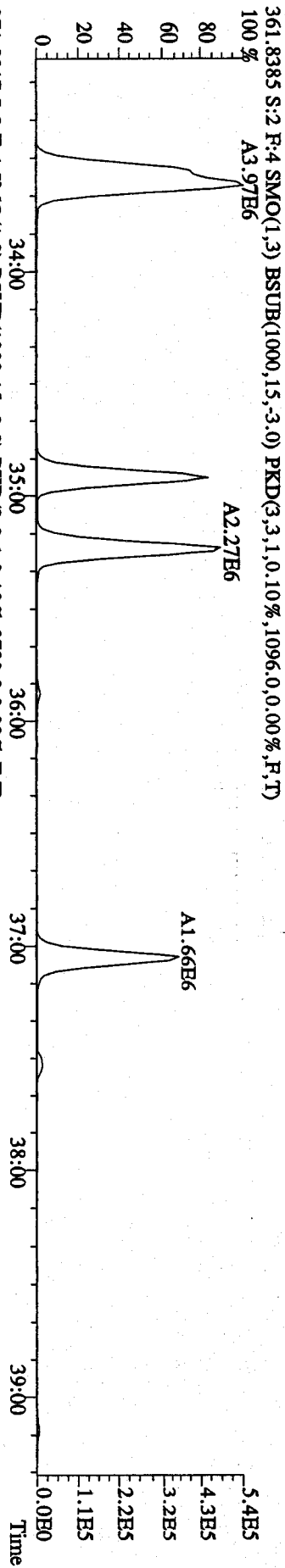
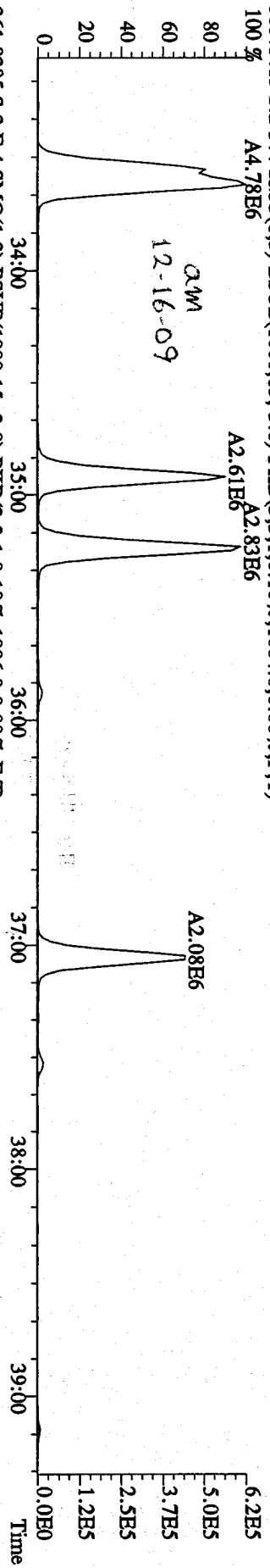
File: 16DE09E9D5 #1-596 Acq:16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-UltimaB

Sample#2 Text:ST1216A :CS2 09DDXN206 Exp:209DB5  
359.8415 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,776.0,0.00%,F,T)

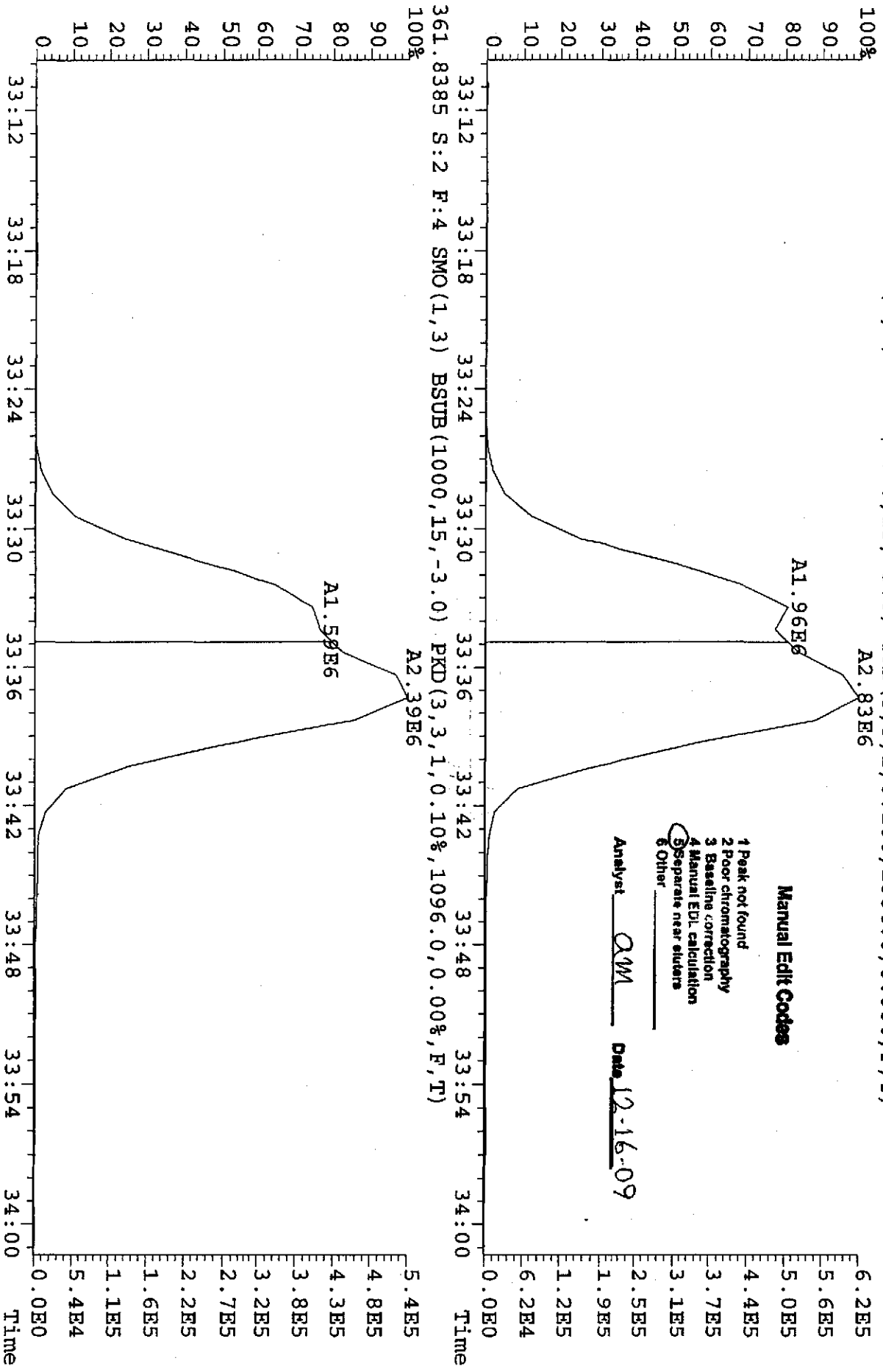


Sample#2 Text:ST1216A :CS2 09DXN206 Exp:209DB5

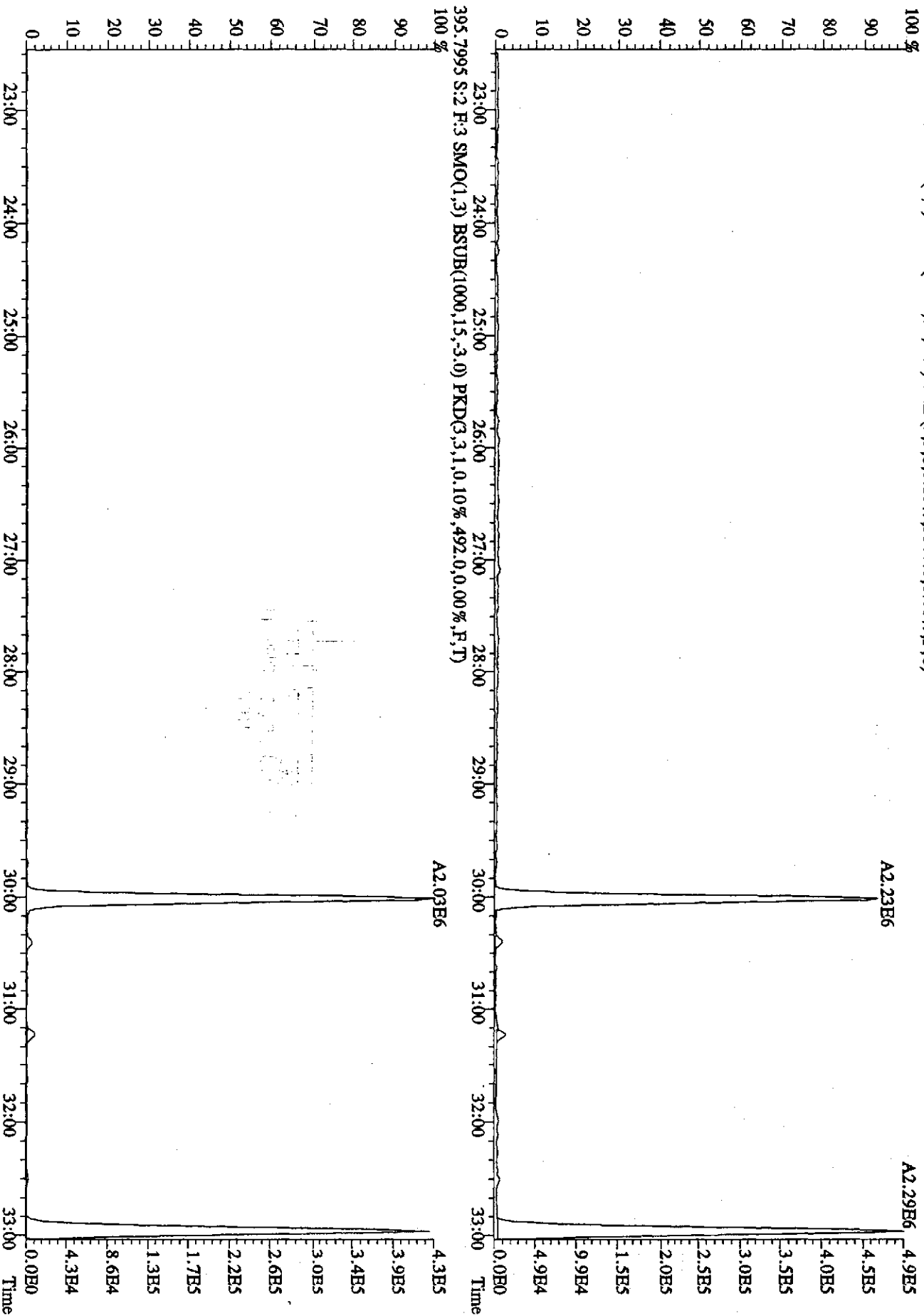
359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1.0,10%,1004.0,0.00%,F,T)



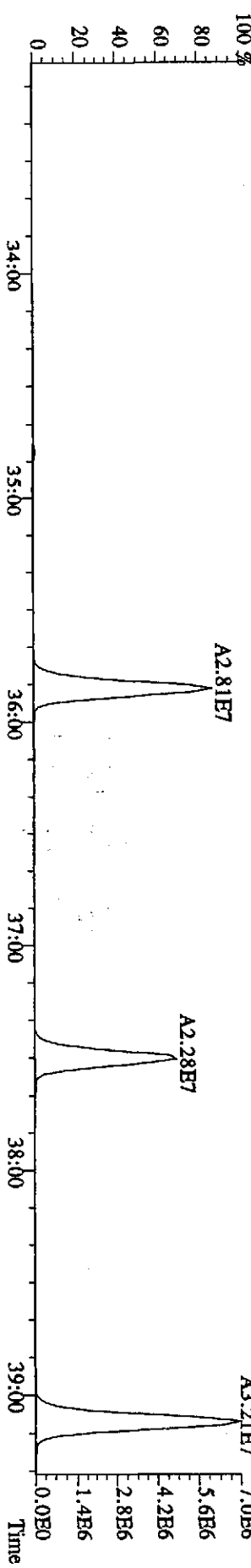
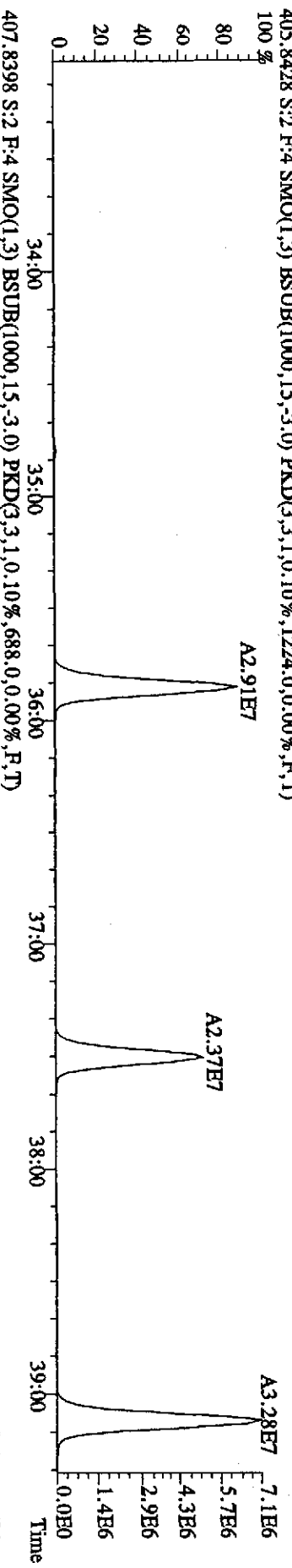
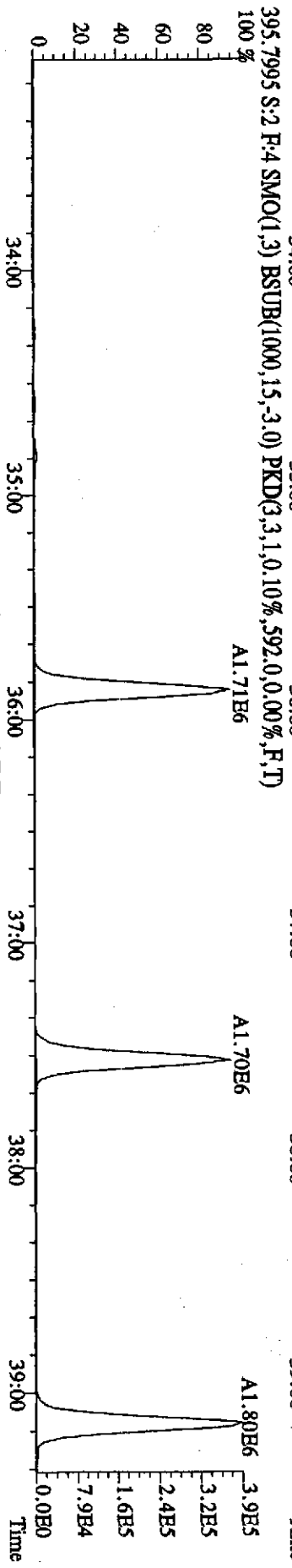
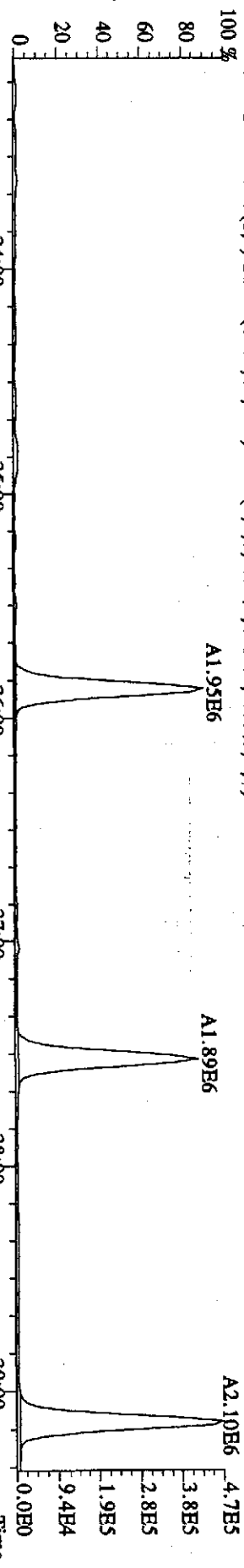
File: 16DE09E9D5 #1-384 Acq: 16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST1216A : CS2 09DXN206 Exp: 209DB5  
 359.8415 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1004.0,0.00%,F,T)



File: 16DE09B9D5 #1-596 Acq: 16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text: ST1216A :CS2 09DXN206 Exp: 209DB5  
 393.8025 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3560,0,0,00%,F,T)

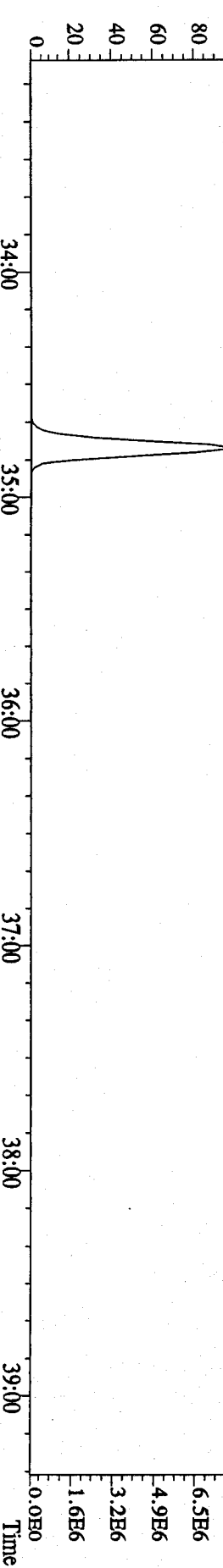
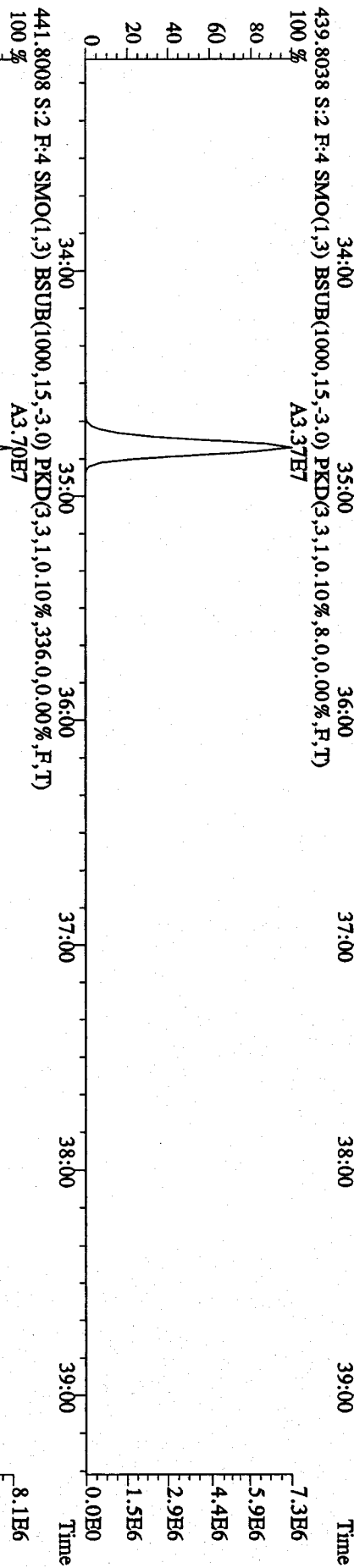
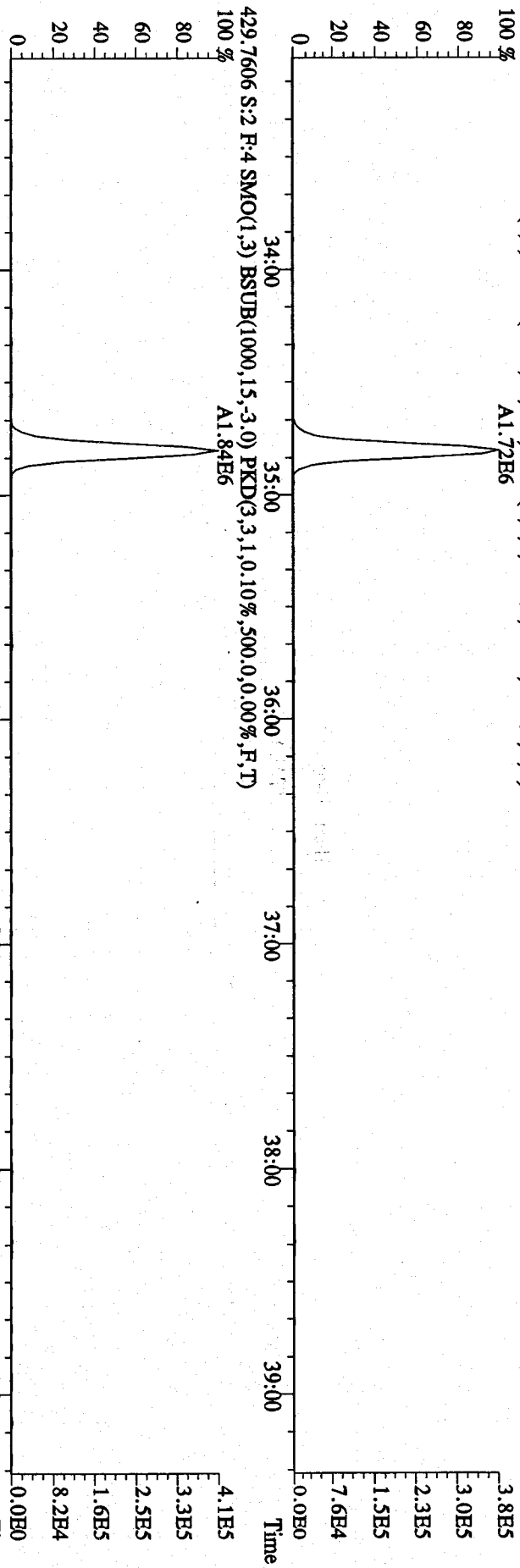


File: 16DBE09E9D5 #1-384 Acq: 16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#2 Text: ST1216A :CS2 09DXN206 Exp: 209DB5  
 393.8025 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4620,0,0,00%,F,T)

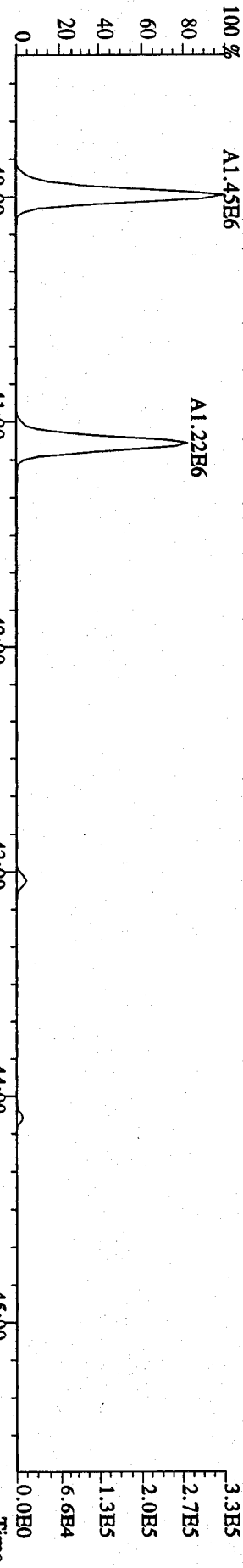




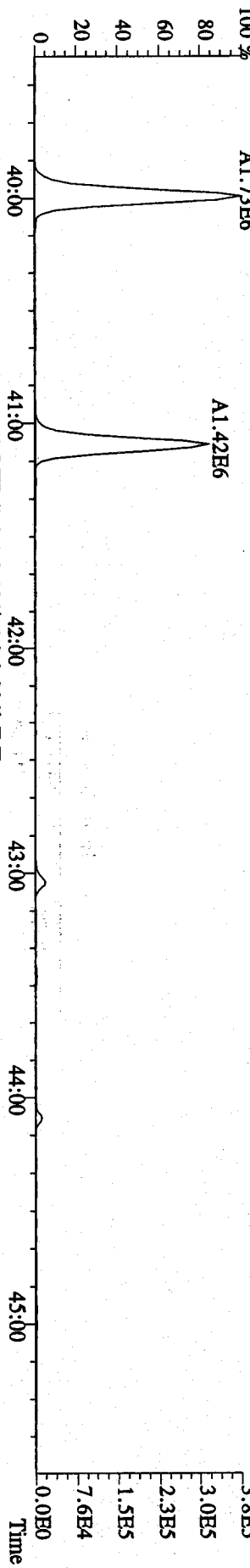
File: 16DBE09E9D5 #1-384 Acq:16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text:ST1216A :CS2 09DXN206 Exp:209DB5  
 427.7635 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,192.0,0.00%,F,T)  
 100 % A1.72E6



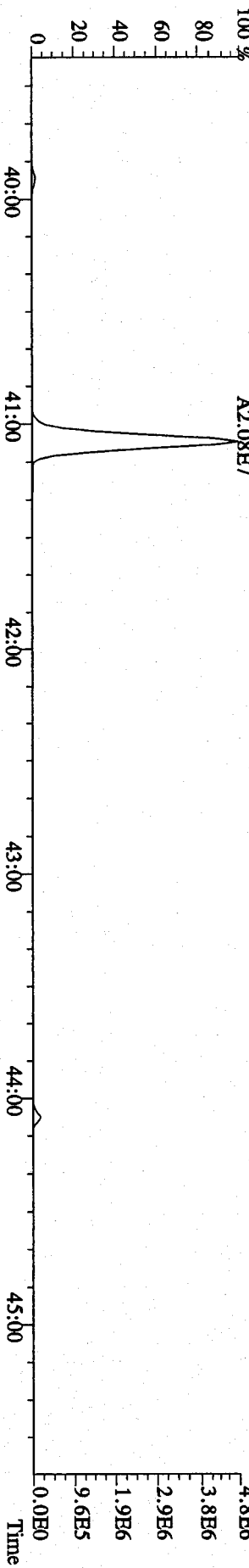
File: 16DE09E9D5 #1-418 Acq: 16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#2 Text: ST1216A :CS2 09DXN206 Exp: 209DB5  
 427.7635 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,372.0,0.00%,F,T)  
 100% A1.45E6



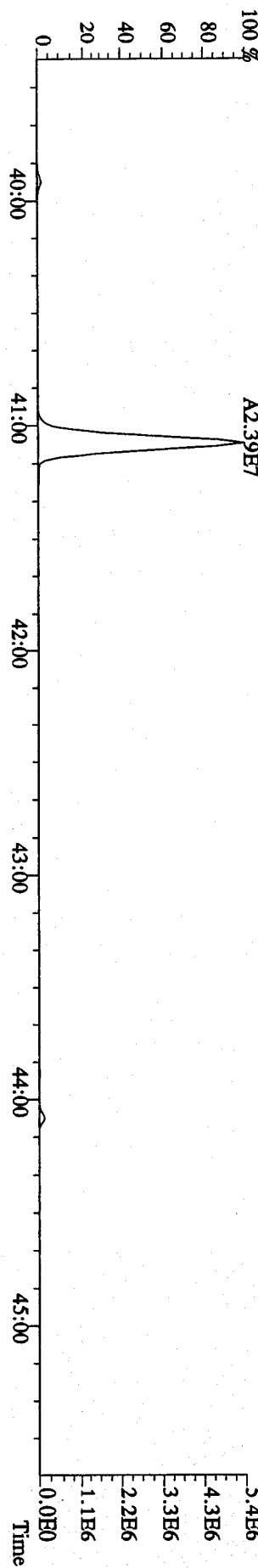
429.7606 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,916.0,0.00%,F,T)  
 100% A1.73E6



439.8038 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4.0,0.00%,F,T)  
 100% A2.08E7

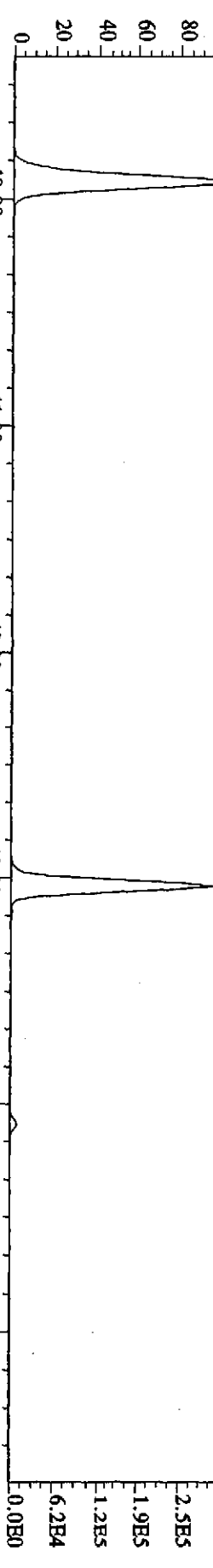


441.8008 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,572.0,0.00%,F,T)  
 100% A2.39E7

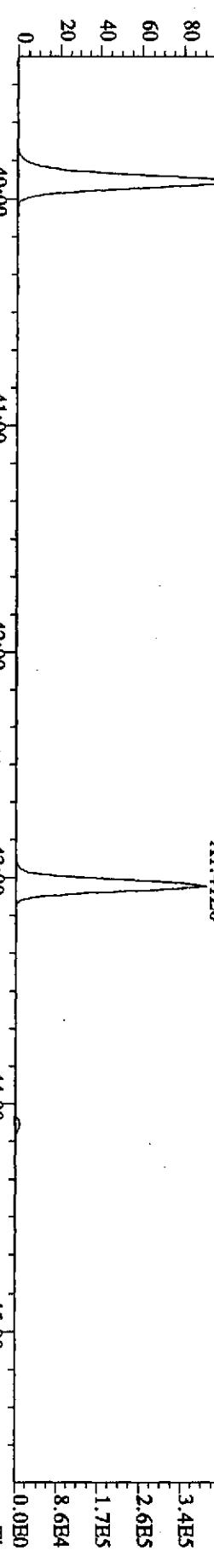


File: 16DB09E9D5 #1-418 Acq:16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-Ultimate

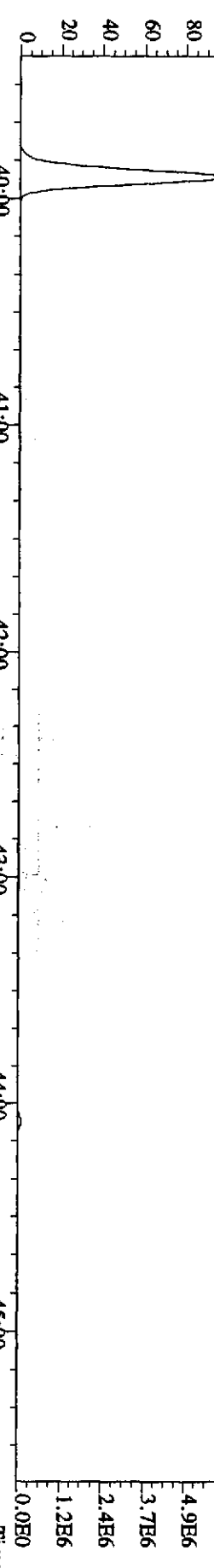
Sample#2 Text:ST1216A :CS2 09DXN206 Exp:209DB5  
461.7245 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,404,0,0,00%,F,T)  
100% A1.42E6



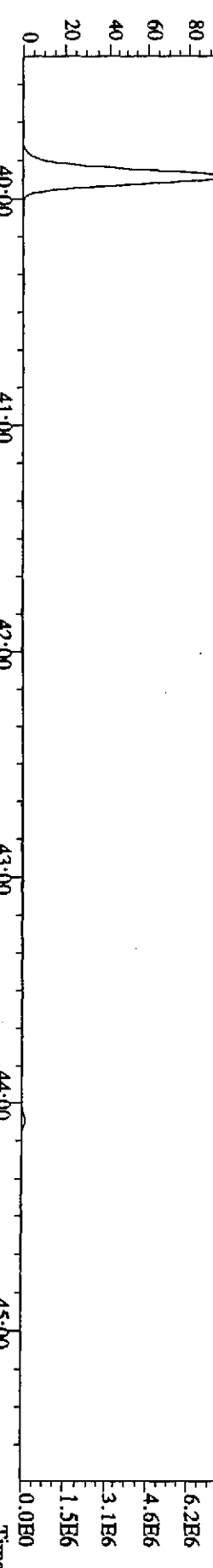
463.7216 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,164,0,0,00%,F,T)  
100% A1.88E6



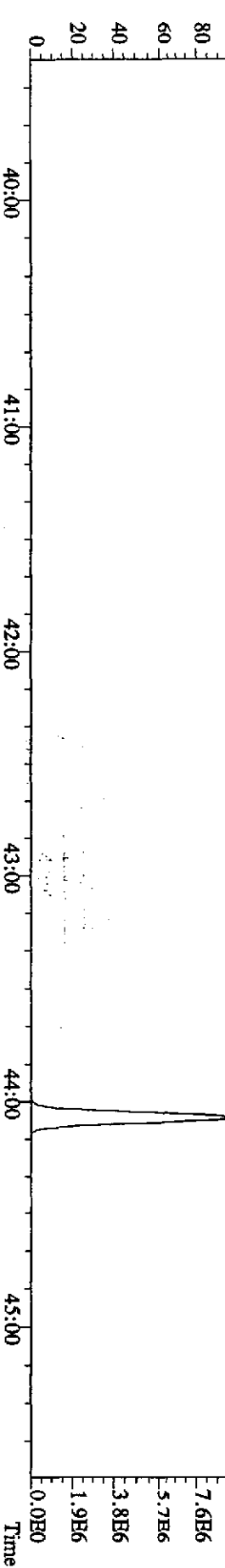
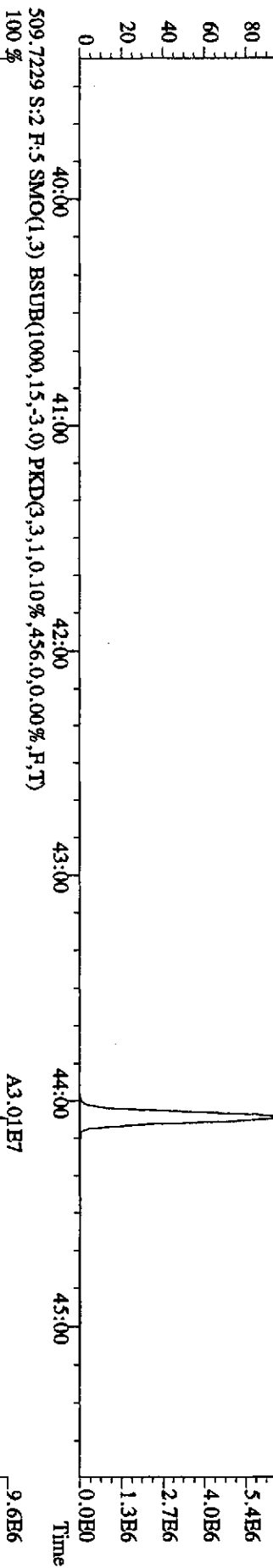
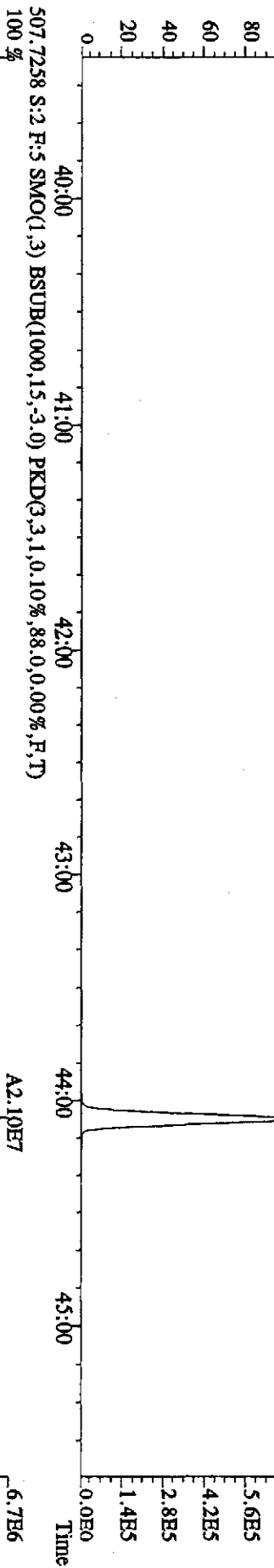
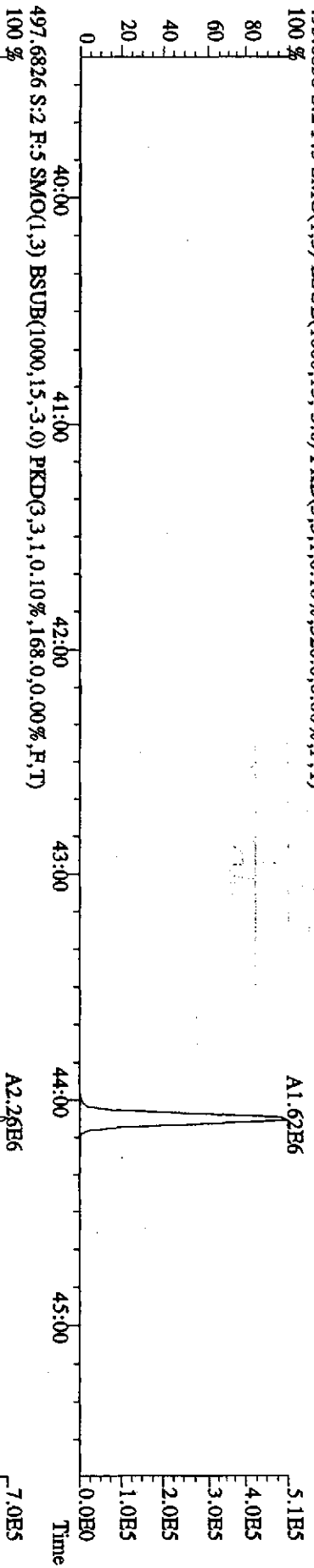
473.7648 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,356,0,0,00%,F,T)  
100% A2.75E7



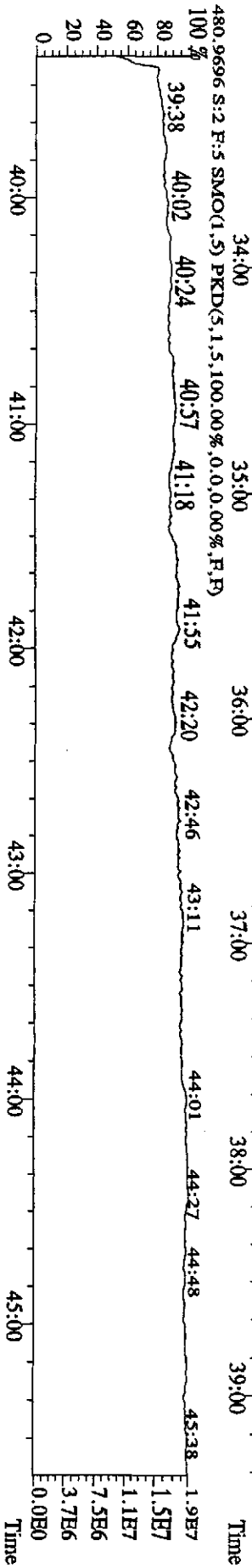
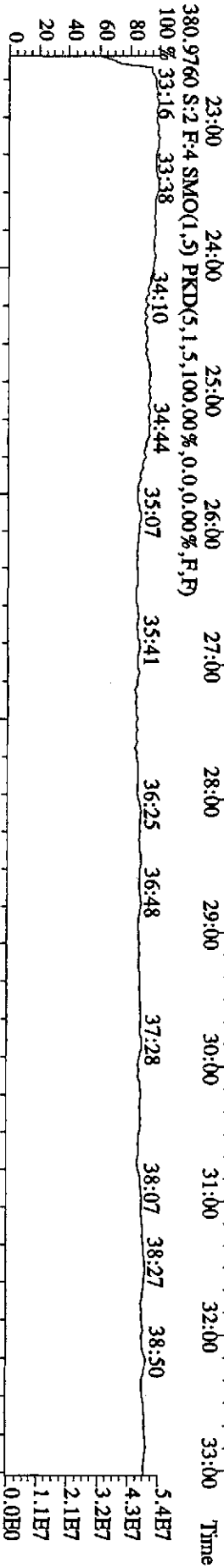
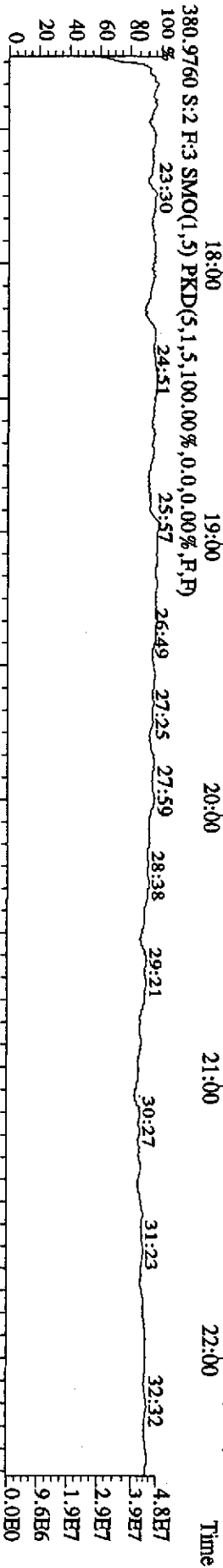
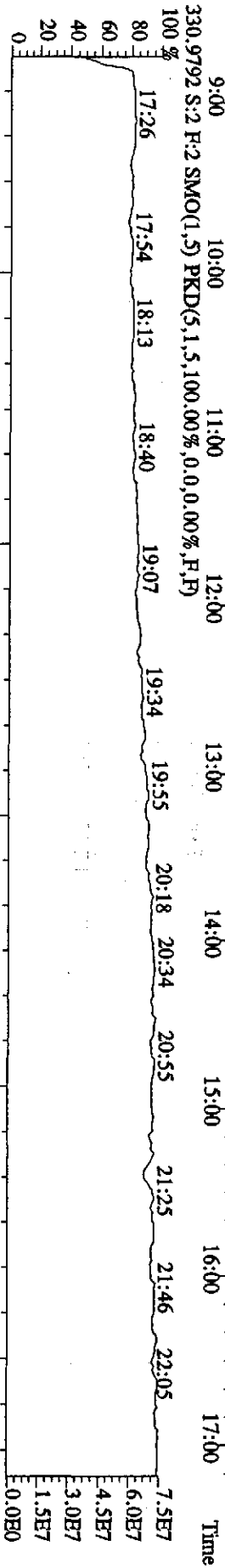
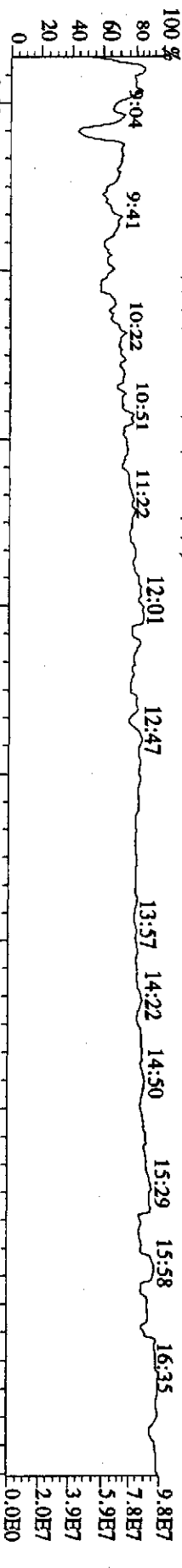
475.7619 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,456,0,0,00%,F,T)  
100% A3.45E7



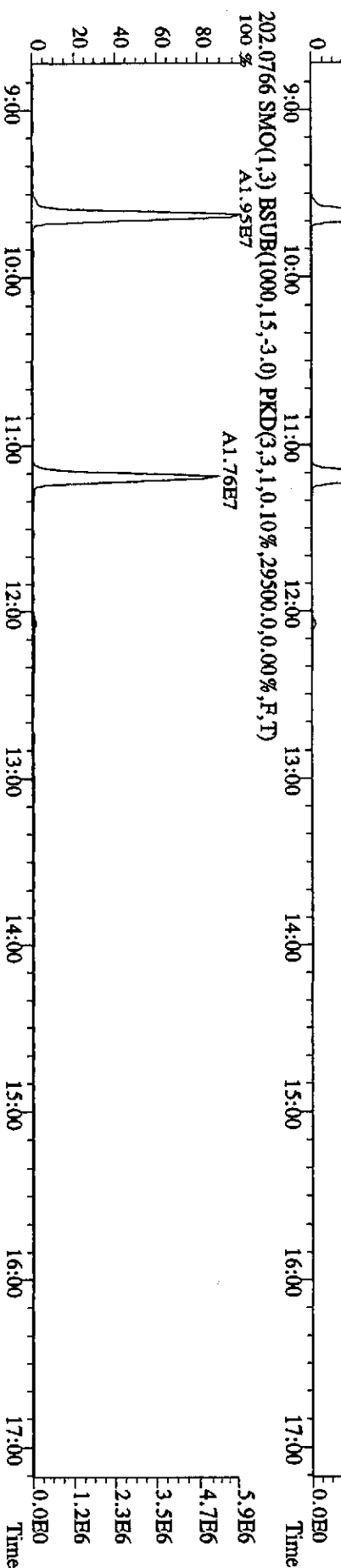
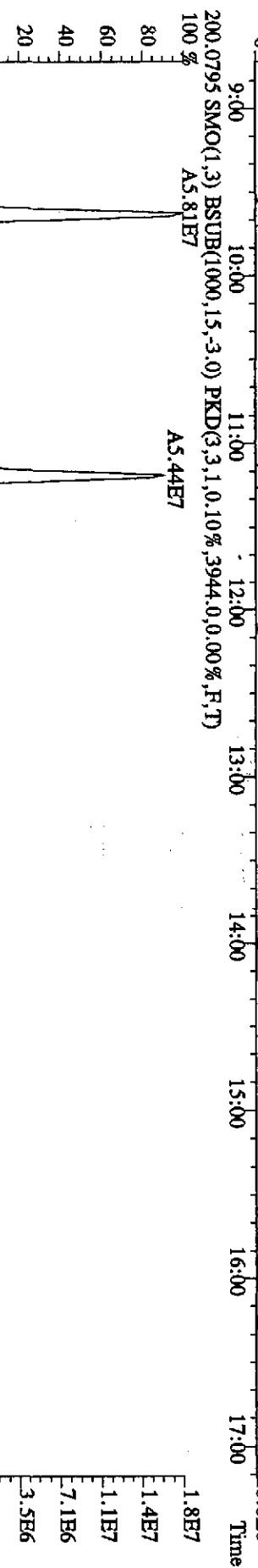
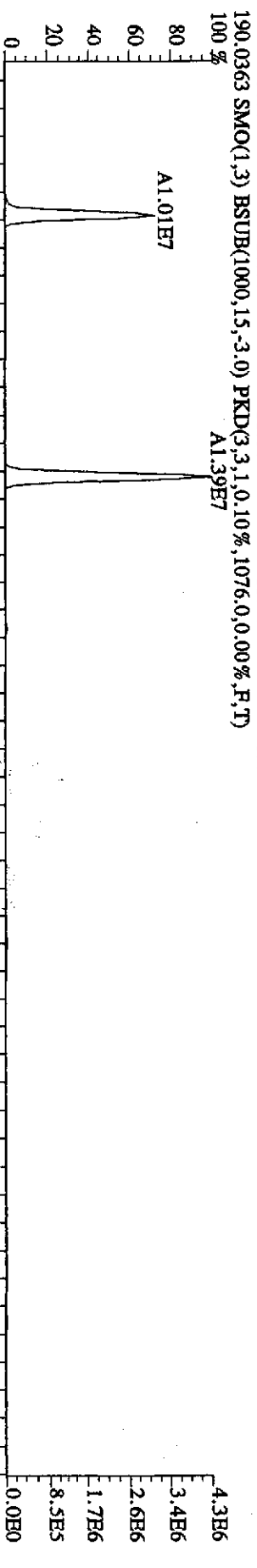
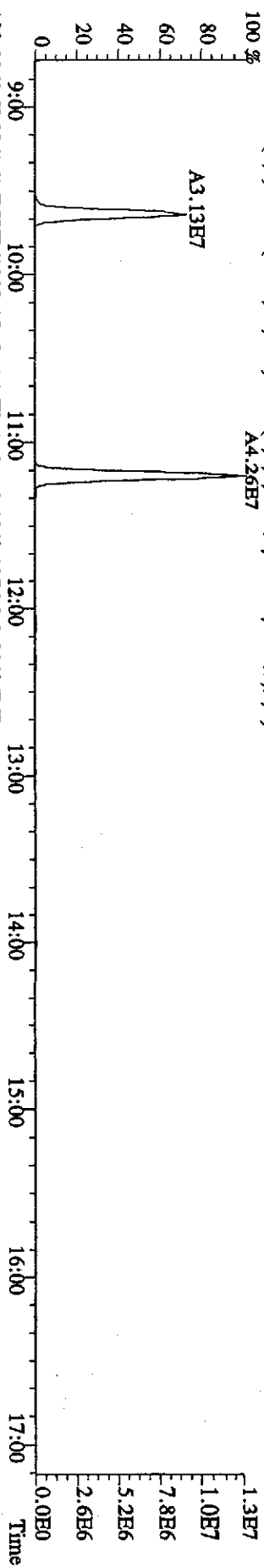
File: 16DE09E9D5 #1-418 Acq: 16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text: ST1216A :CS2 09DXN206 Exp: 209DB5  
 495.6856 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0.10%,320,0,0.00%,F,T)



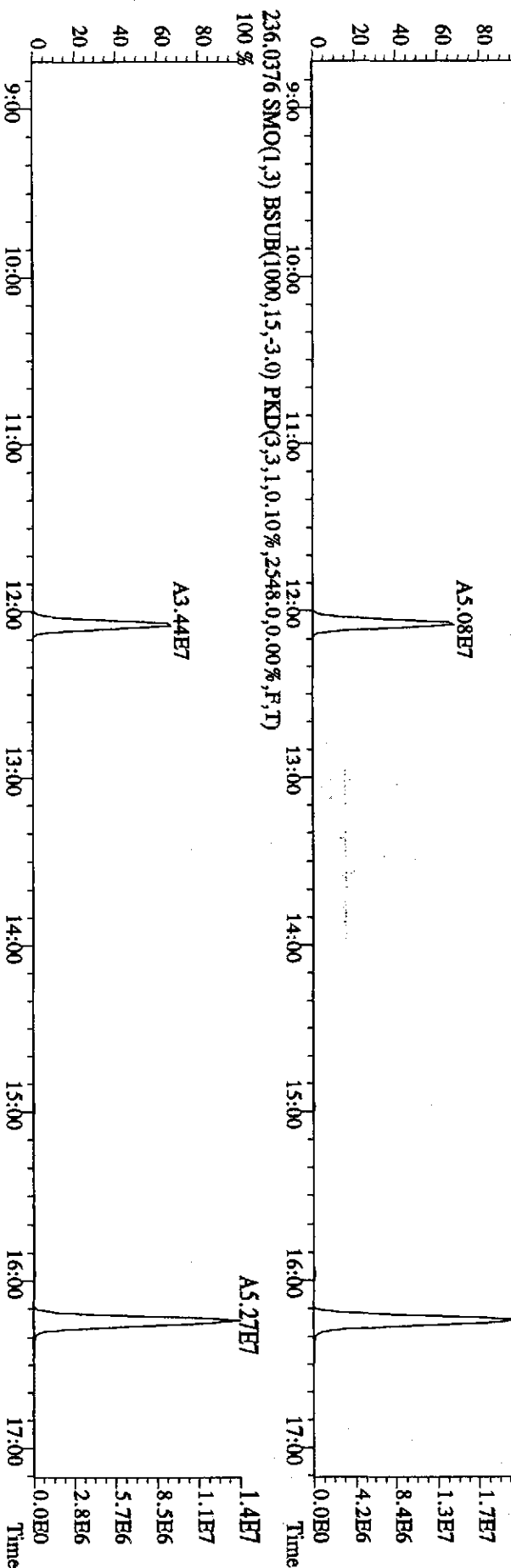
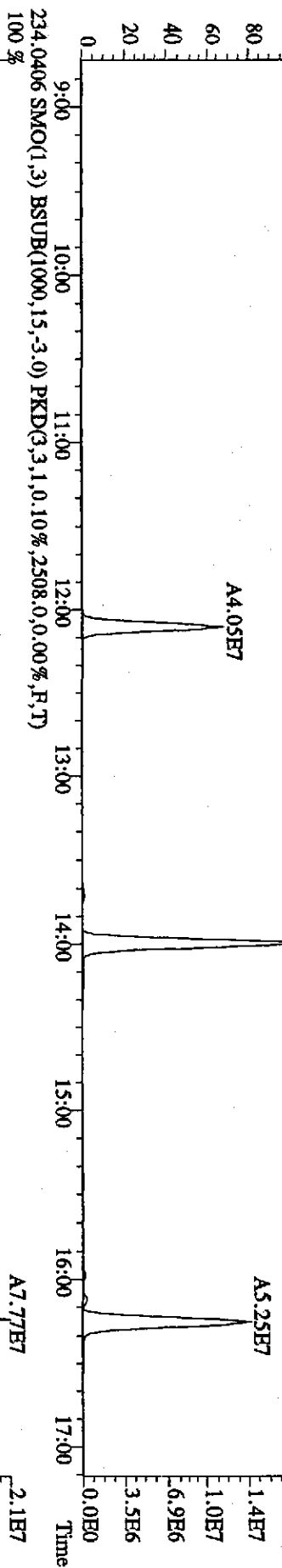
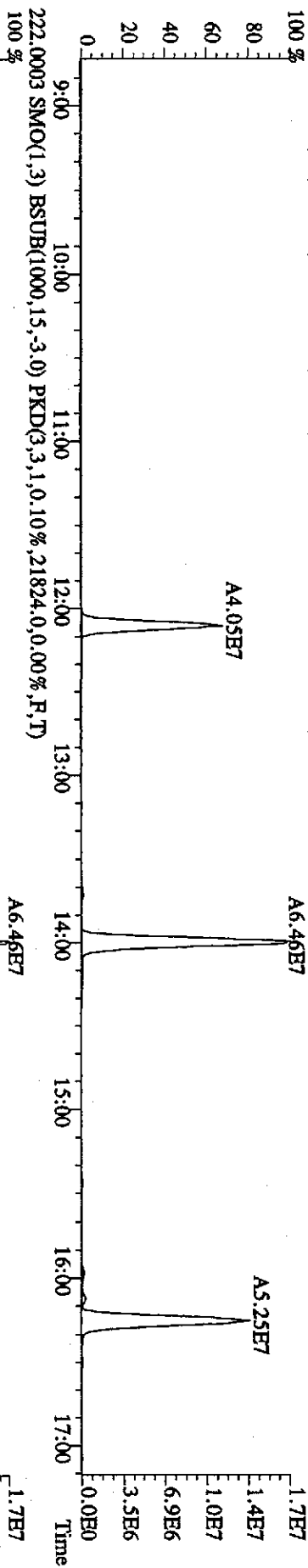
File: 16DB09B9D5 #1-516 Acq:16-DEC-2009 14:52:40 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#2 Text:ST1216A :CS2 09DXN206 Exp:209DB5  
 218.9856 S:2 SMO(1.5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



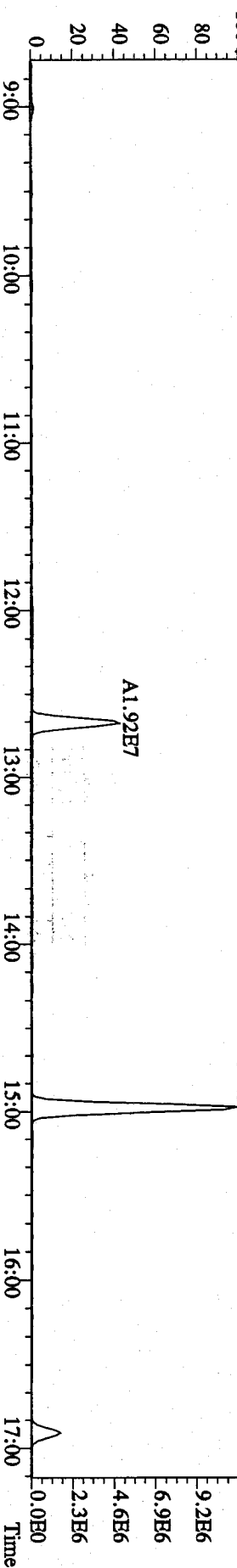
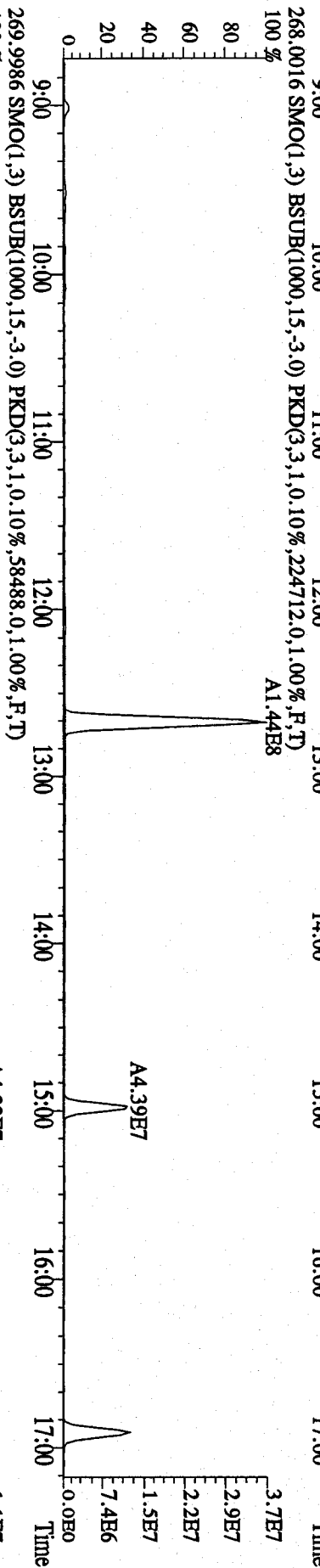
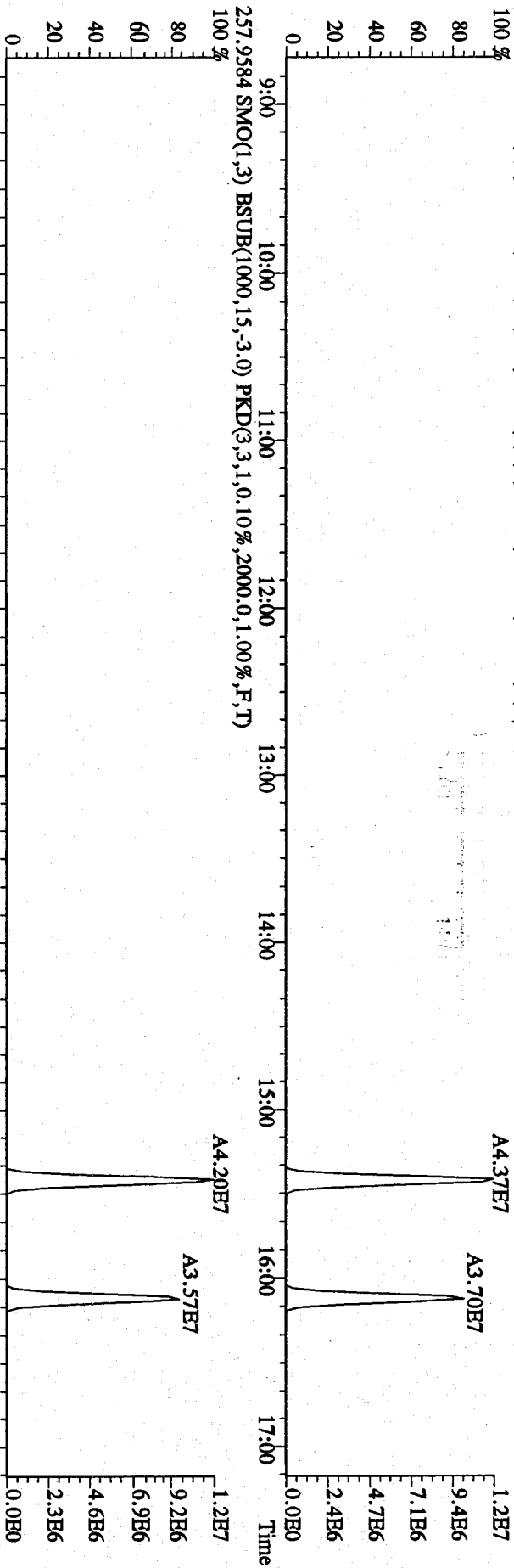
File:16DE09E9D5 #1-516 Acq:16-DEC-2009 13:59:53 GC HI + Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST1216 :CS3 09DXN207 Exp:209DB5  
 188.0393 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1828,0,0,00%,F,T)  
 100%



File: 16DE09E9D5 #1-516 Acq: 16-DEC-2009 13:59:53 GC EI + Voltage SIR Autospec-Ultimate  
 Sample#1 Text: ST1216 :CS3 09DXN207 Exp: 209DB5  
 222.0003 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,21824,0,0,00%,F,T)



Sample#1 Text: ST1216 : CS3 09DXN207 Exp: 209DB5  
255.9613 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2508.0,1.00%,F,T)





File:16DBE09E9D5 #1-381 Acq:16-DEC-2009 13:59:53 GC HI+ Voltage SIR Autospec-UtimaE

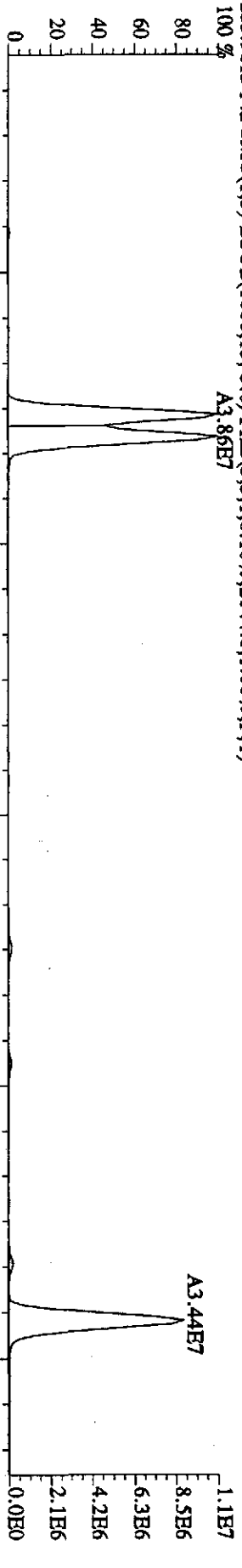
Sample#1 Text:ST1216 :CS3 09DXN207

Exp:209DB5

257.9613 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2144.0,1.00%,F,T)

A3.86E7

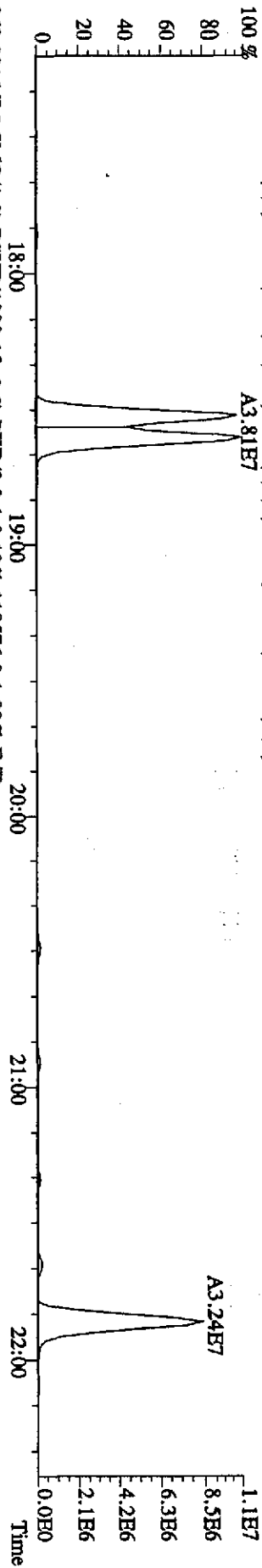
A3.44E7



257.9584 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,2172.0,1.00%,F,T)

A3.81E7

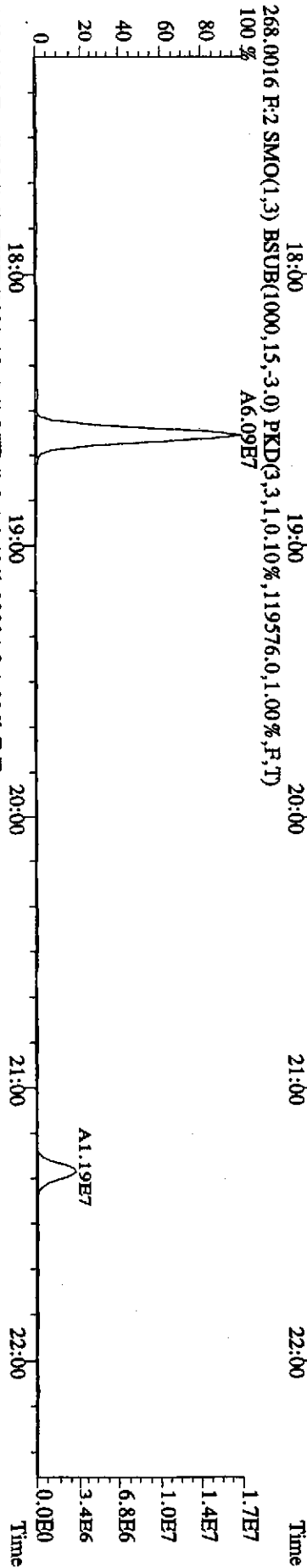
A3.24E7



268.0016 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,119576.0,1.00%,F,T)

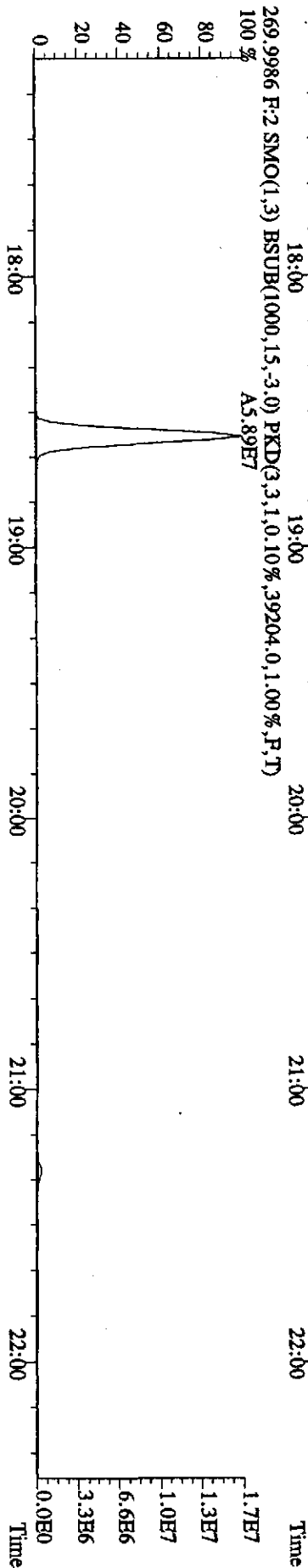
A6.09E7

A1.19E7

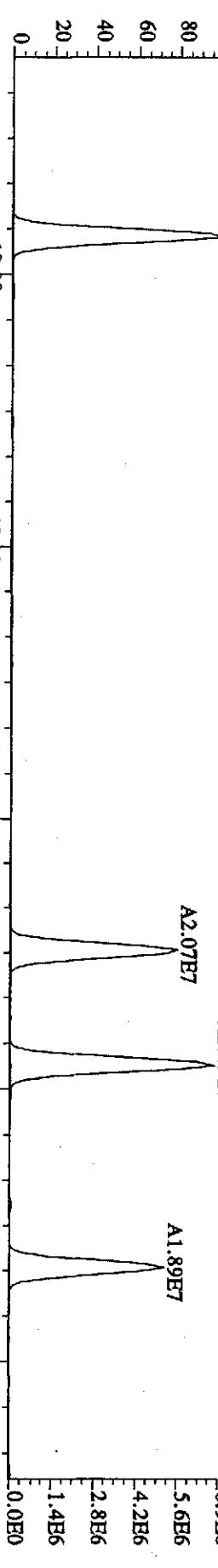


269.9986 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,39204.0,1.00%,F,T)

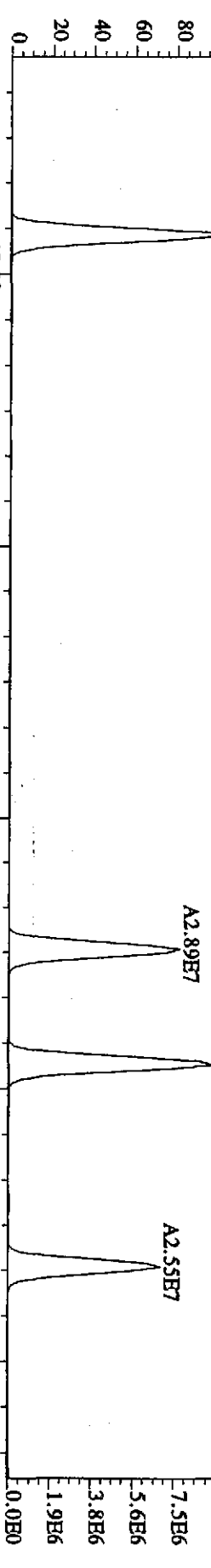
A5.89E7



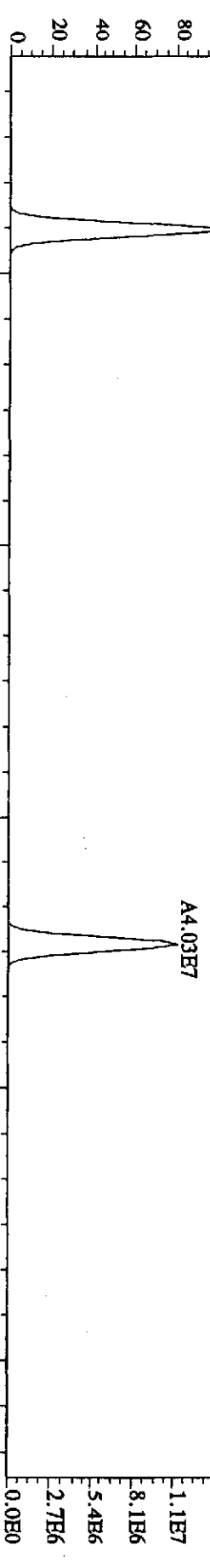
File:16DB09E9D5 #1-381 Acq:16-DEC-2009 13:59:53 GC HI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST1216 :CS3 09DXN207 Exp:209DB5  
 289.9224 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,644.0,0.00%,F,T)  
 100 % A2.48E7



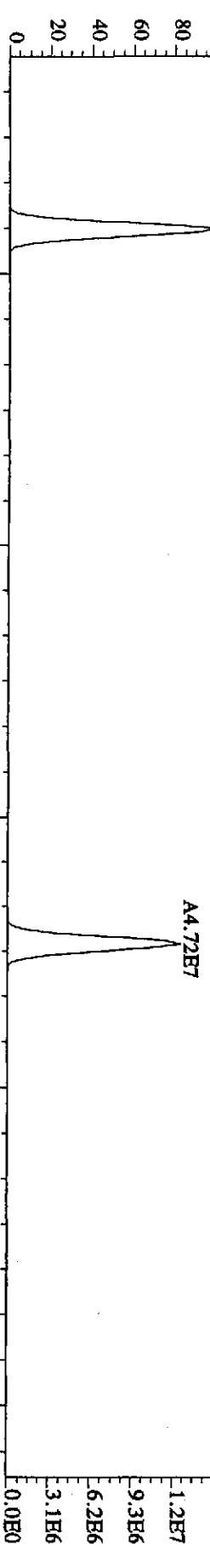
291.9194 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1644.0,0.00%,F,T)  
 100 % A3.37E7



301.9626 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1636.0,0.00%,F,T)  
 100 % A4.88E7



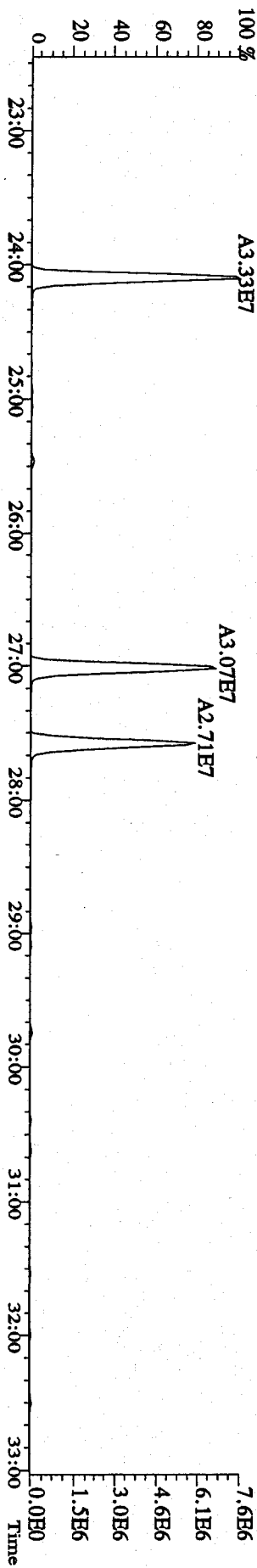
303.9597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1384.0,0.00%,F,T)  
 100 % A5.53E7



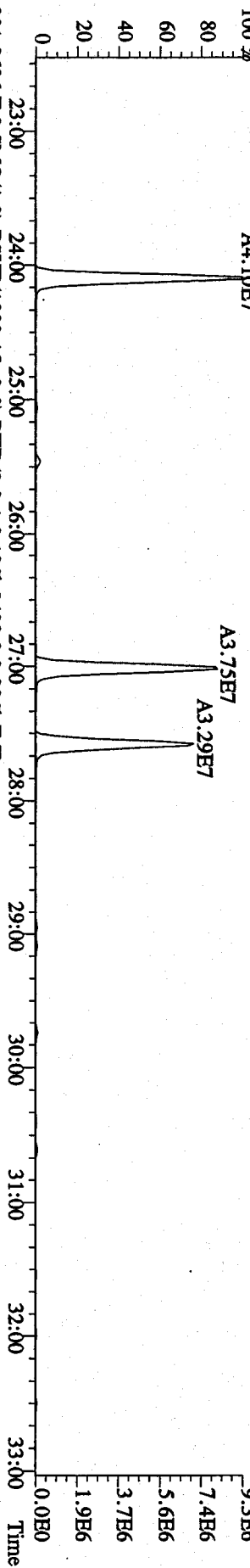
File:16DE09E9D5 #1-596 Acq:16-DEC-2009 13:59:53 GC EI+ Voltage SIR Autospec-UltimaE

Sample#1 Text:ST1216 :CS3 09DXN207 Exp:209DB5

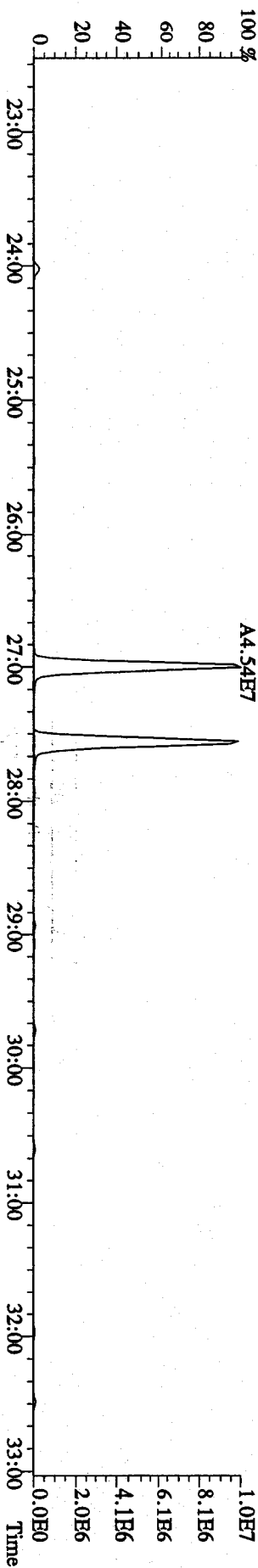
289.9224 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1548.0,0.00%,F,T)  
100% A3.33E7



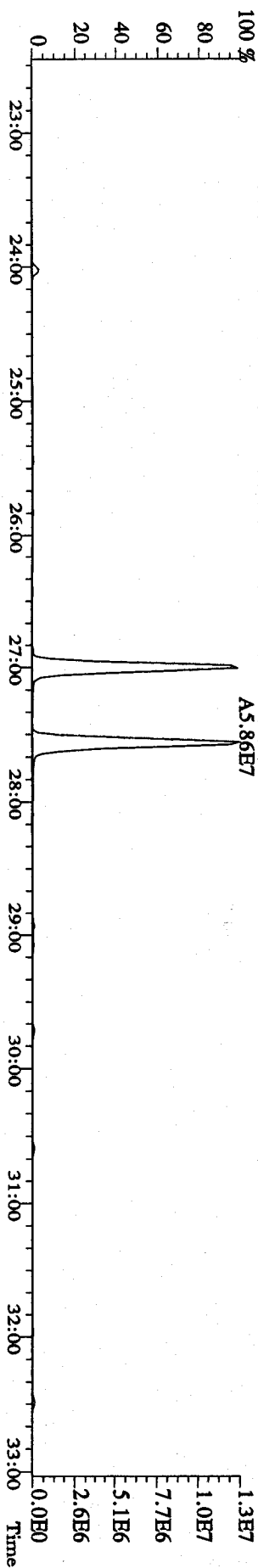
291.9194 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1392.0,0.00%,F,T)  
100% A4.10E7



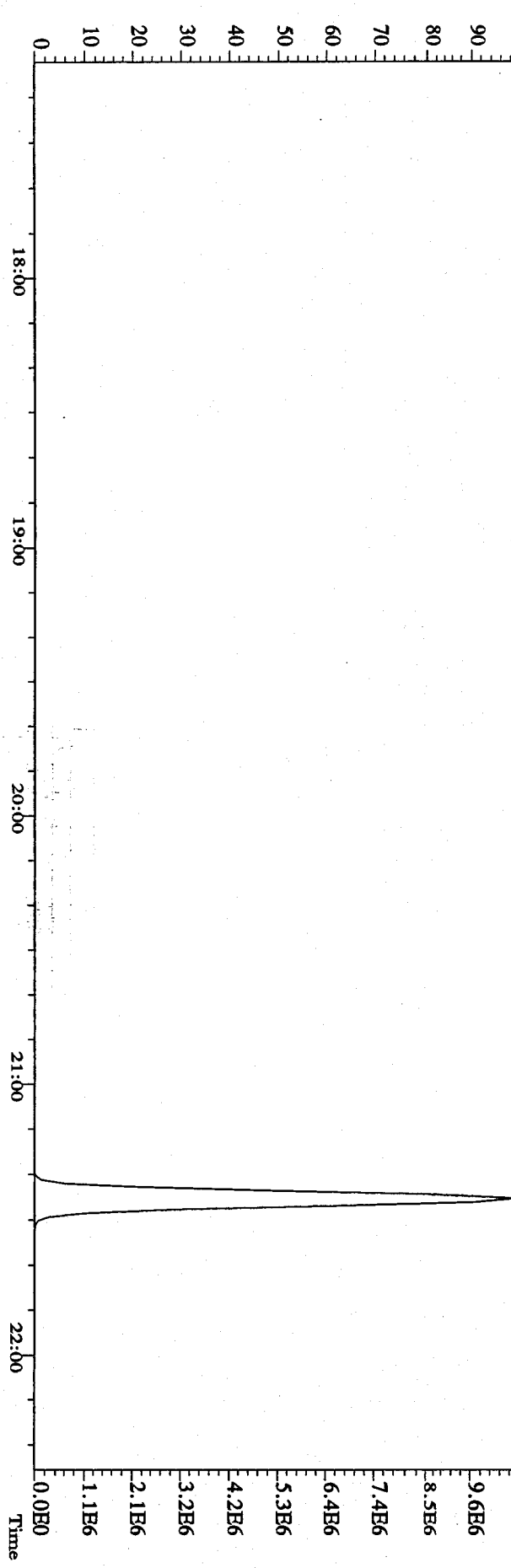
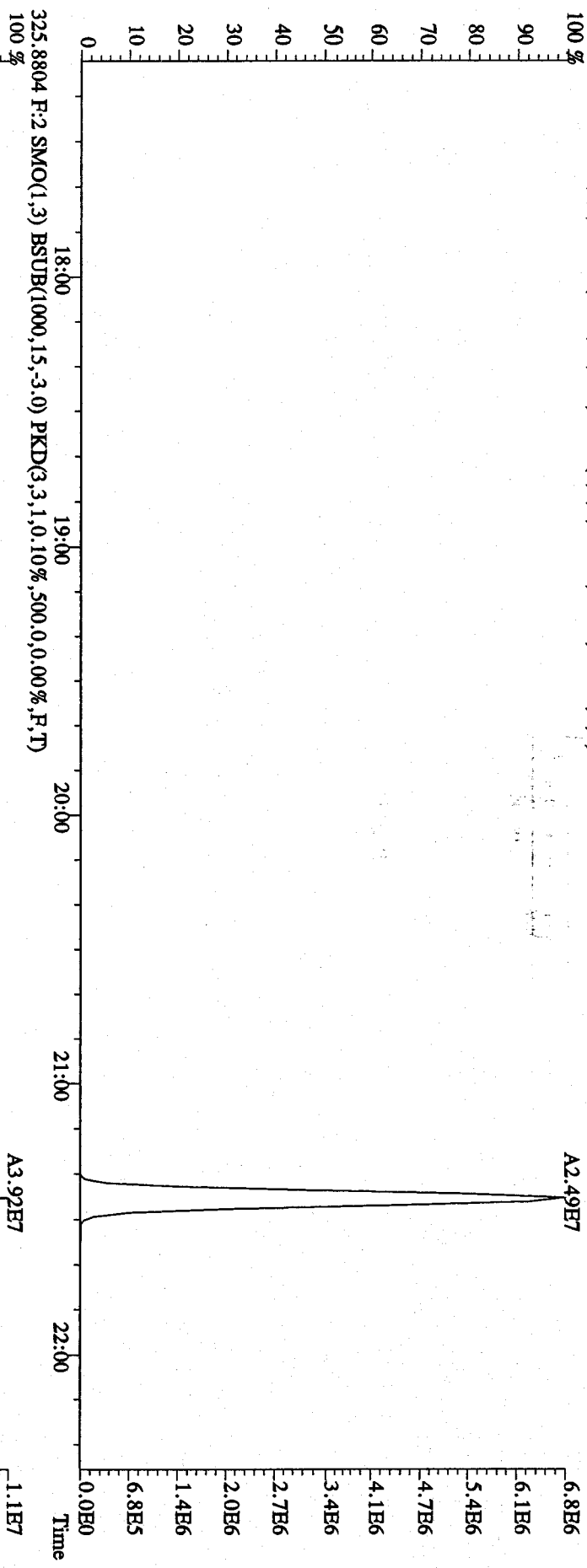
301.9626 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3408.0,0.00%,F,T)  
100% A4.54E7



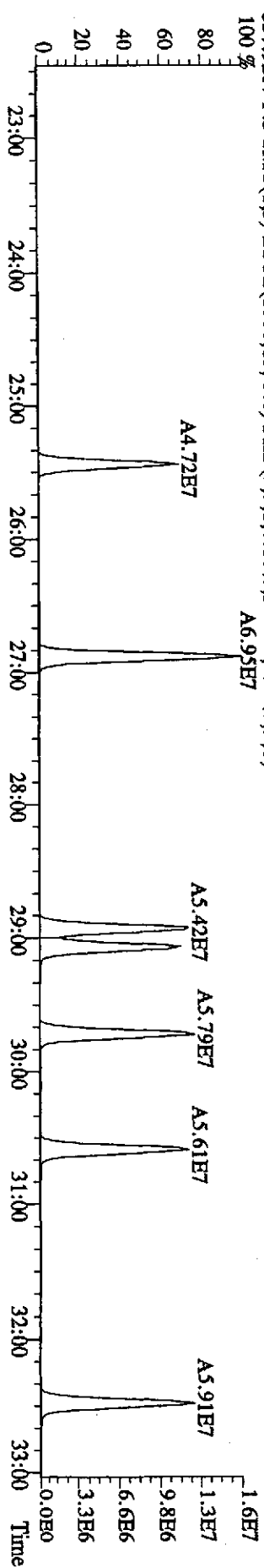
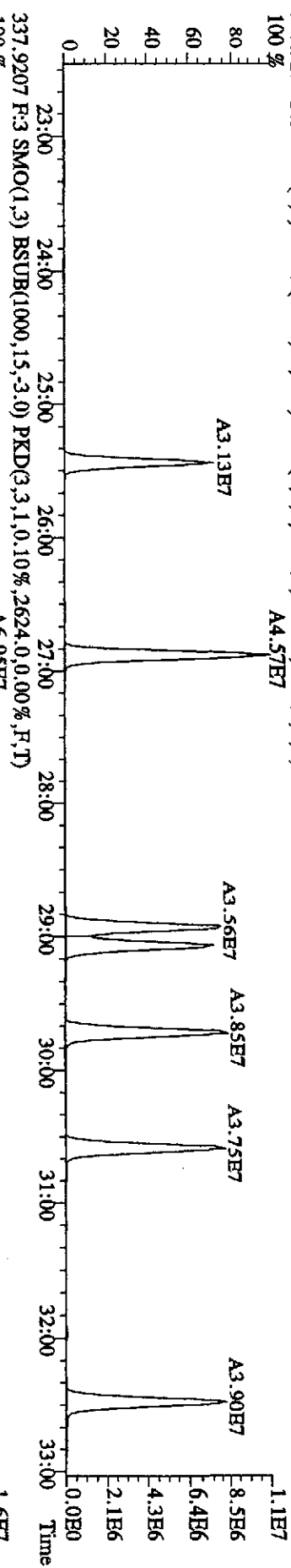
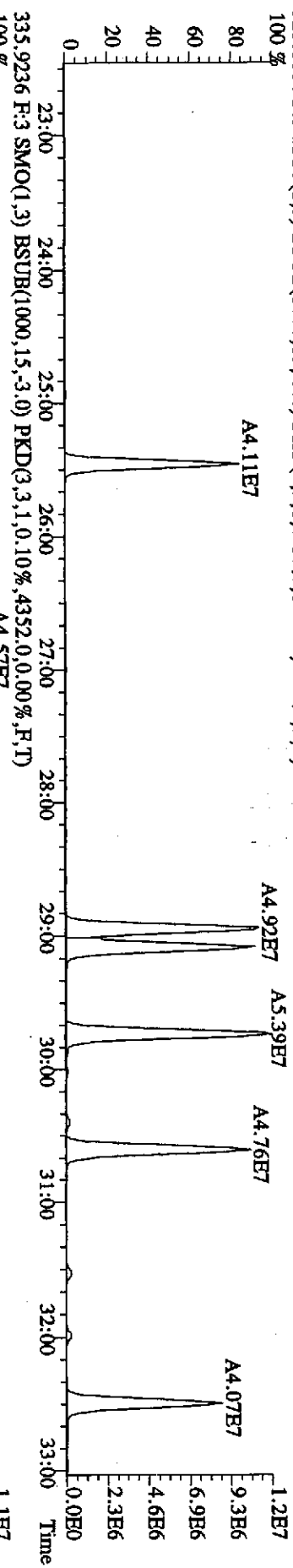
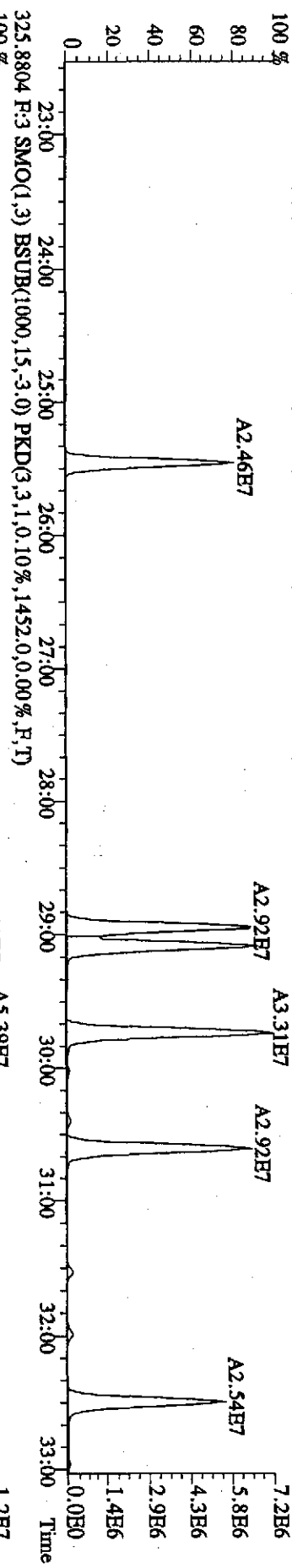
303.9597 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2628.0,0.00%,F,T)  
100% A5.86E7



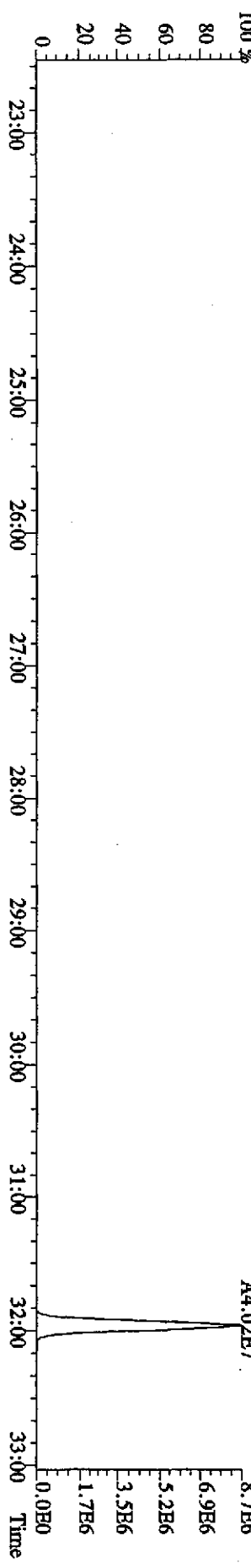
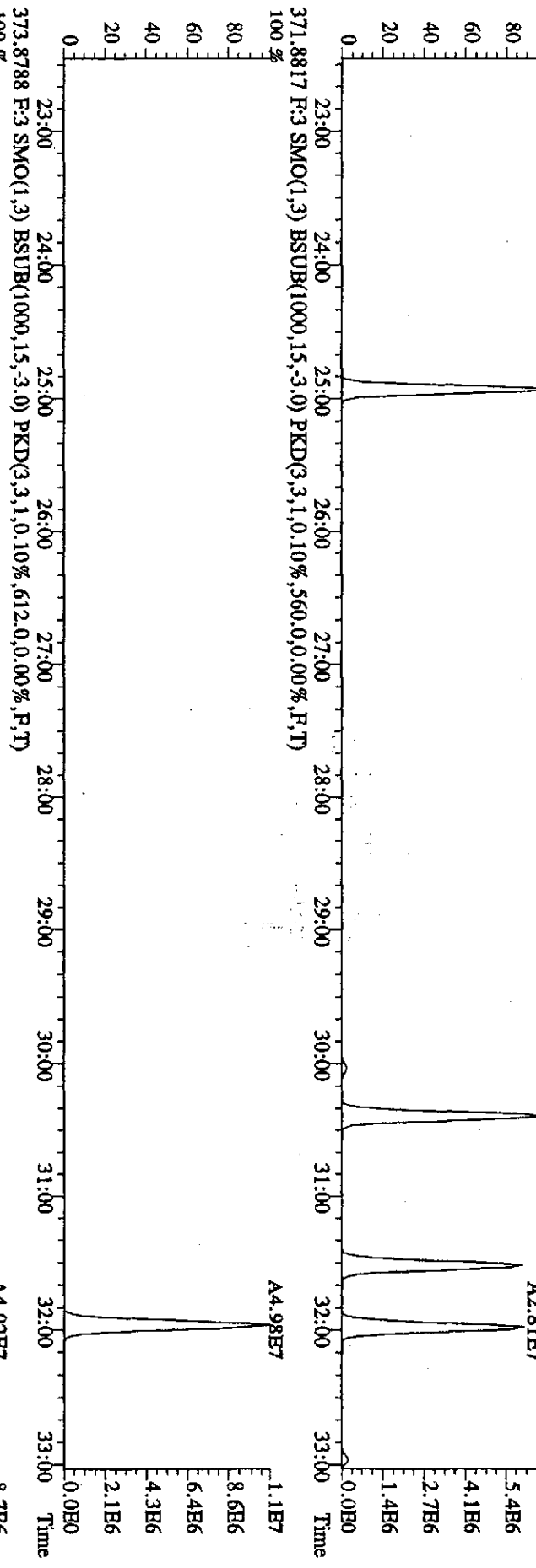
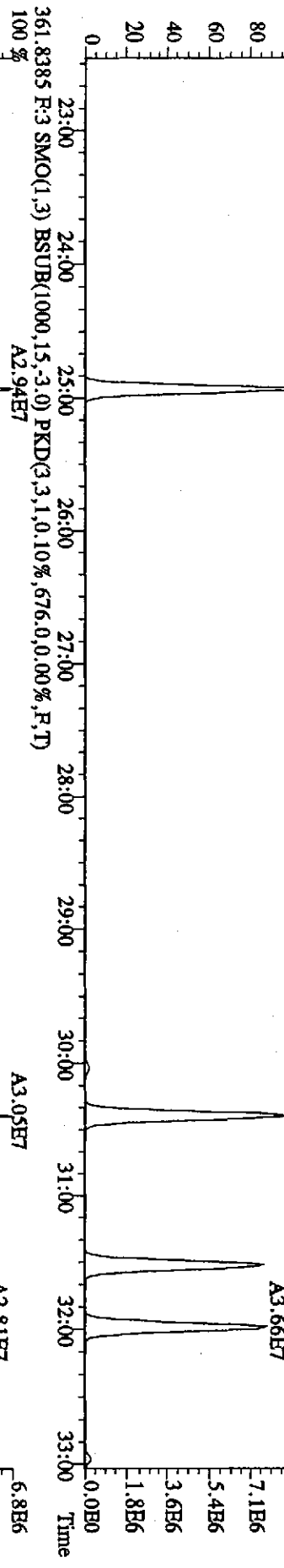
File:16DBE9E9D5 #1-381 Acq:16-DEC-2009 13:59:53 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#1 Text:ST1216 :CS3 09DXN207 Exp:209DB5  
323.8834 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,500,0,0,00%,F,T)  
100%



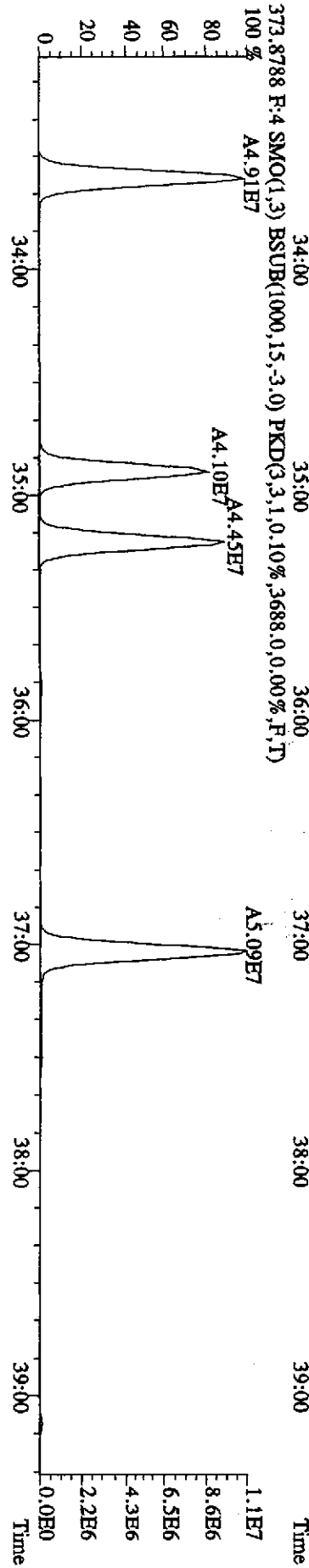
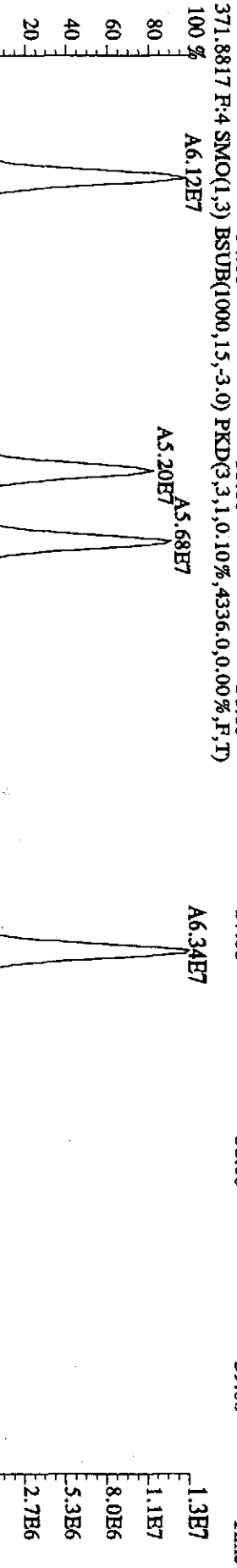
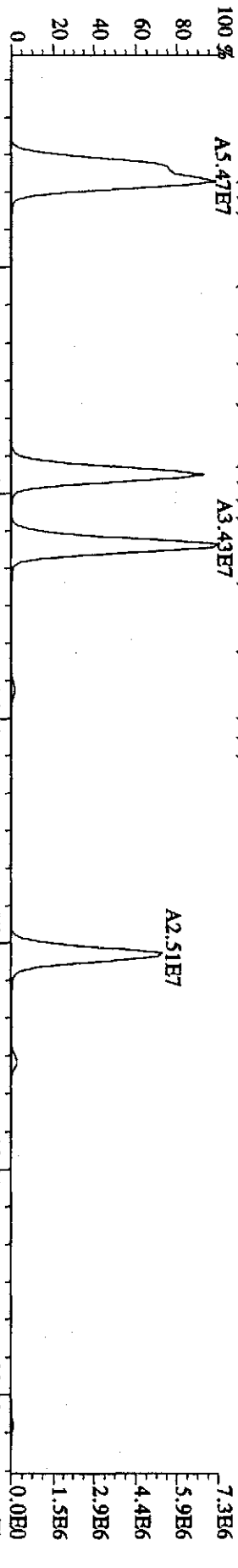
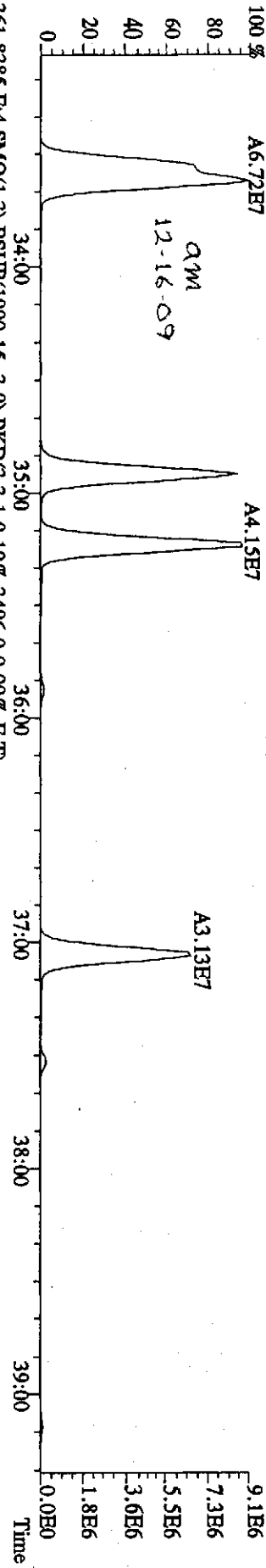
File:16DE09E9D5 #1-596 Acq:16-DEC-2009 13:59:53 GC FI + Voltage SIR Autospec-UtimaE  
 Sample#1 Text:ST1216 :CS3 09DXN207 Exp:209DB5  
 323.8834 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1780,0,0,00%,F,T)



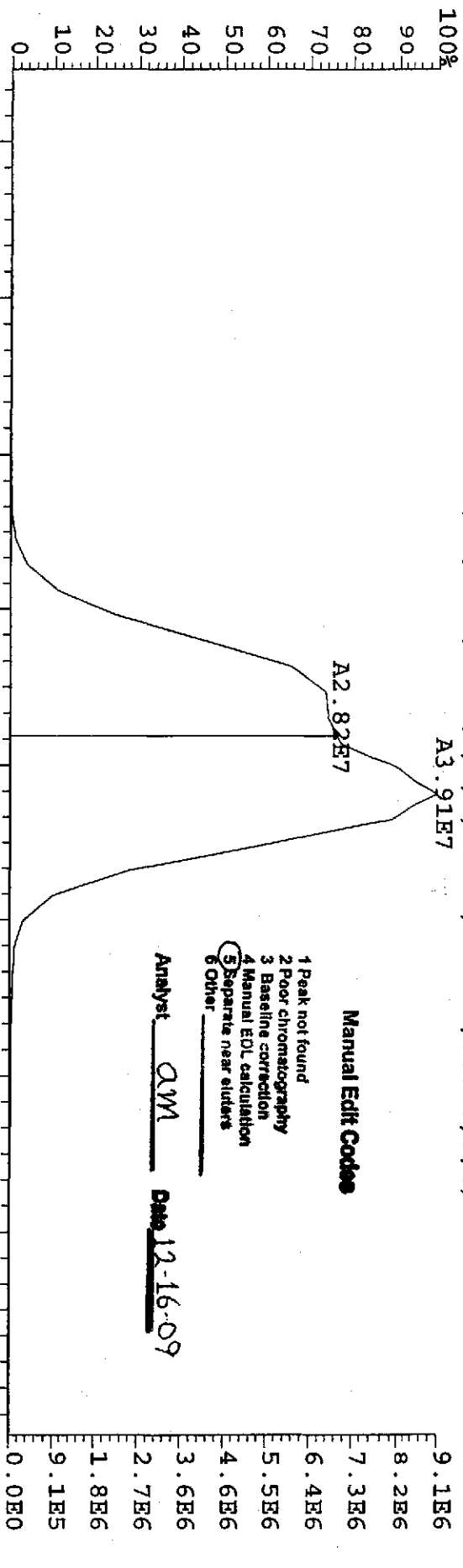
File:16DE09E9D5 #1-596 Acq:16-DEC-2009 13:59:53 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#1 Text:ST1216 :CS3 09DXN207 Exp:209DB5  
 359.8415 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1384,0,0,00%,F,T)  
 A3.80E7



File:16DB09E9D5 #1-384 Acq:16-DEC-2009 13:59:53 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text:ST1216 :CS3 09DXN207 Exp:209DB5  
 359.8415 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,3604,0,0,00%,F,T)  
 100% A6.72E7 A4.15E7

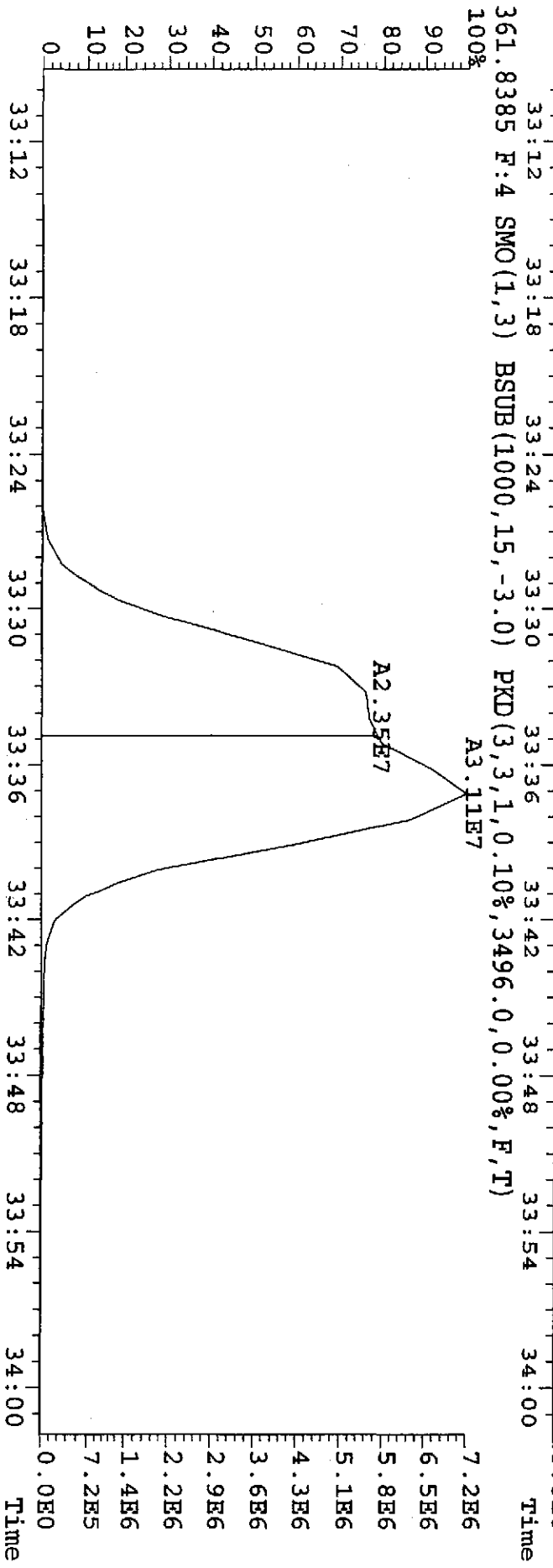


File: 16DE09E9D5 #1-384 Acq: 16-DEC-2009 13:59:53 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#1 Text: ST1216 : CS3 09DXN207 Exp: 209DE5  
 359.8415 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,3604.0,0.00%,F,T)



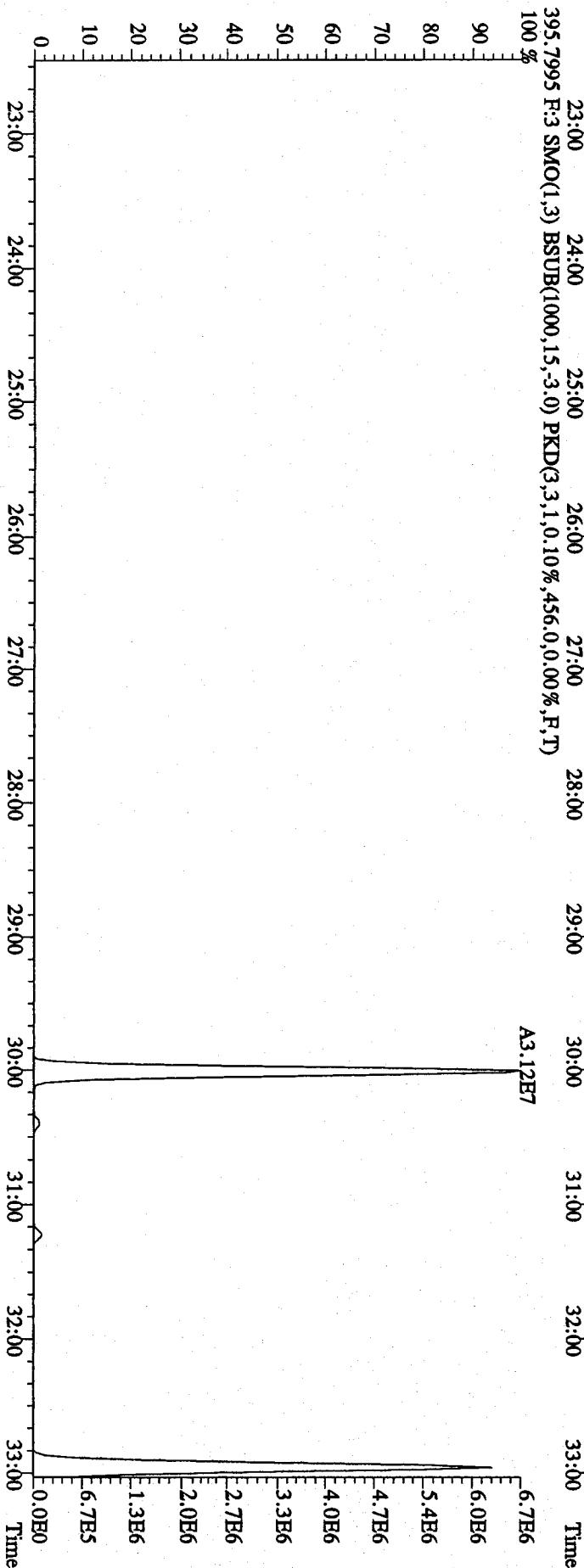
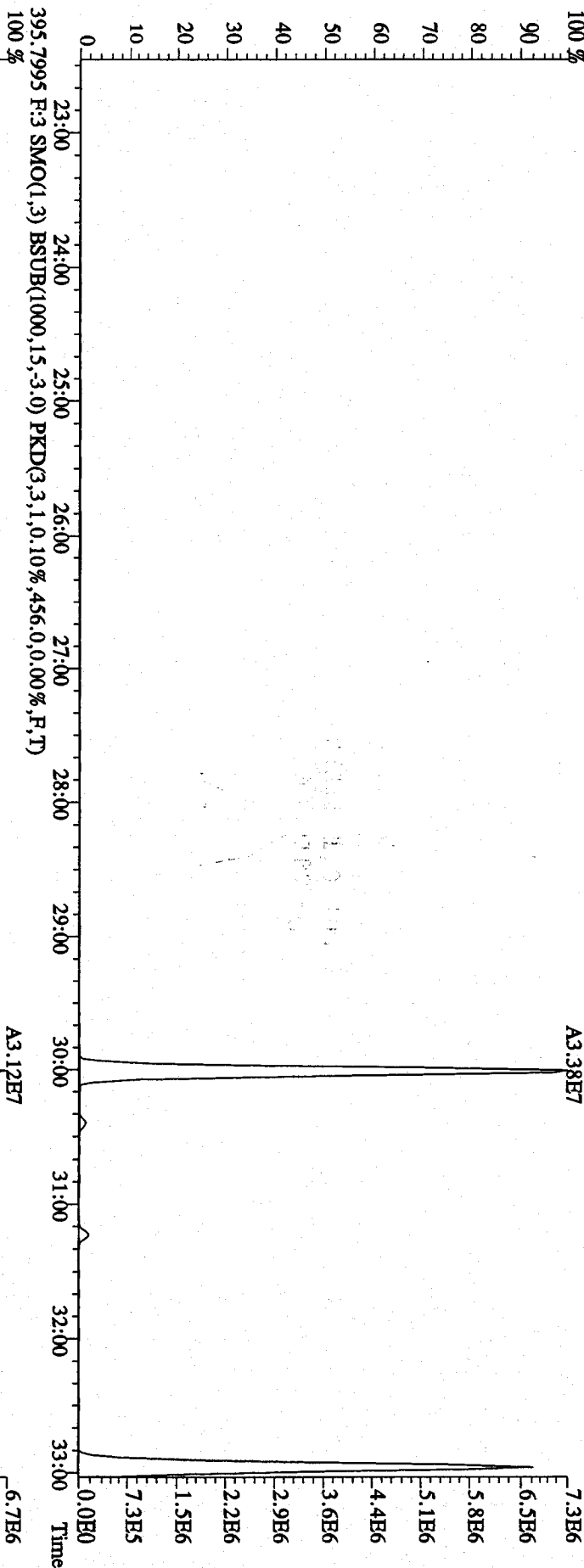
- Manual Edit Codes**
- 1 Peak not found
  - 2 Poor chromatography
  - 3 Baseline correction
  - 4 Manual EDL calculation
  - 5 Separate near eluters
  - 6 Other

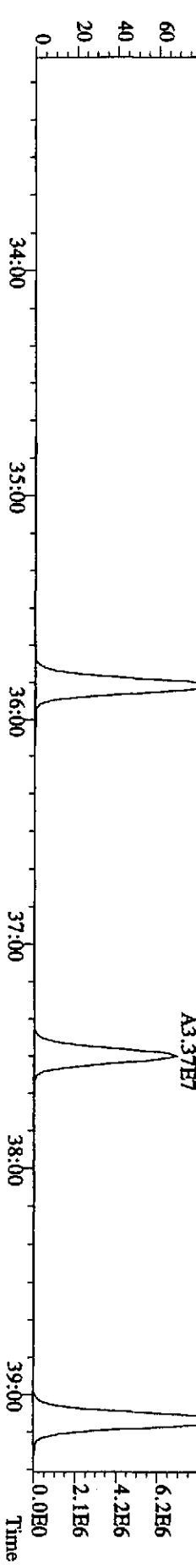
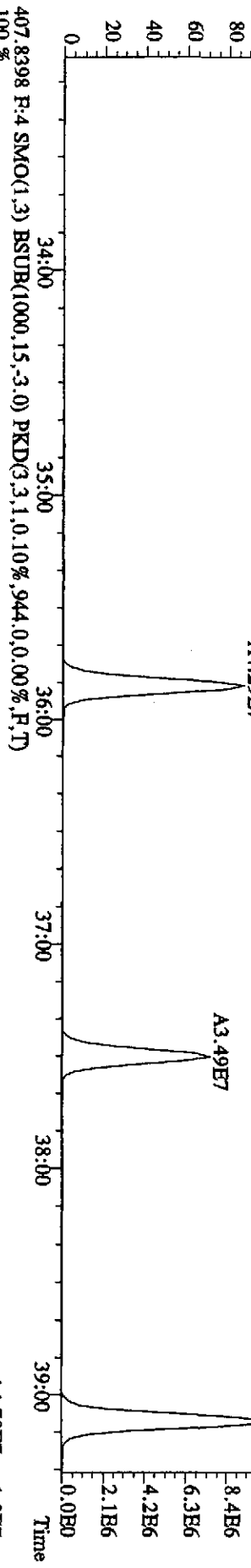
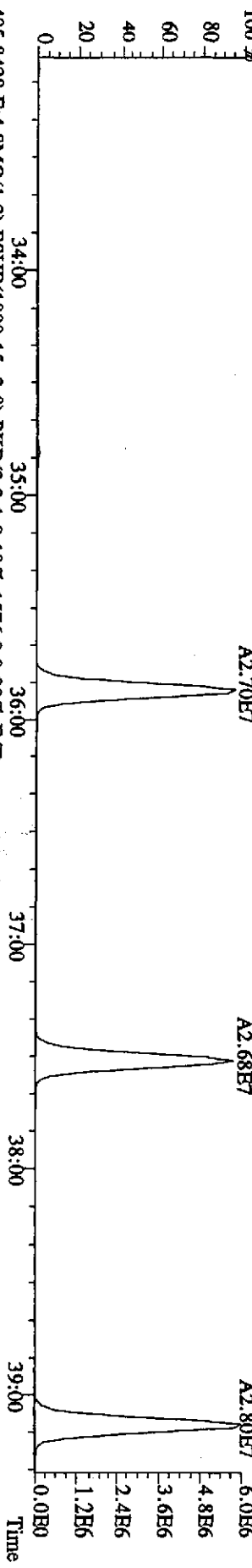
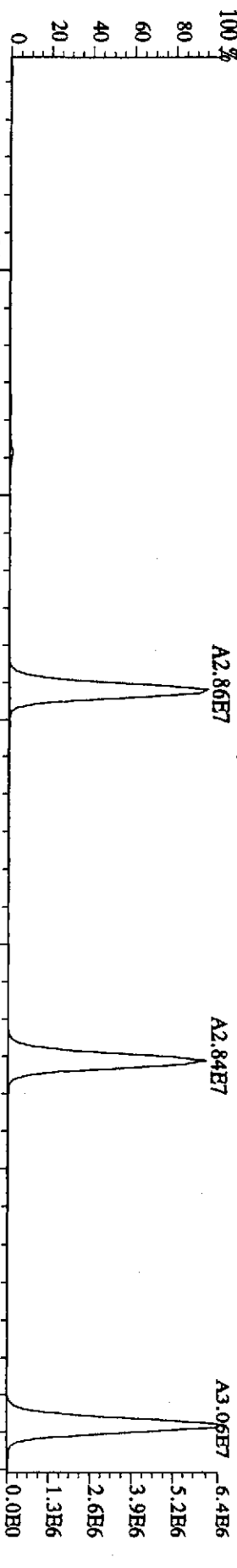
Analyst QW Date 12-16-09





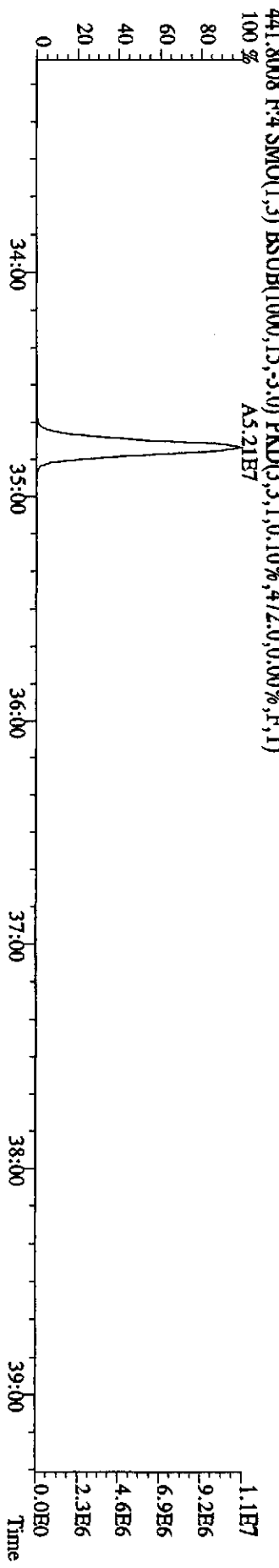
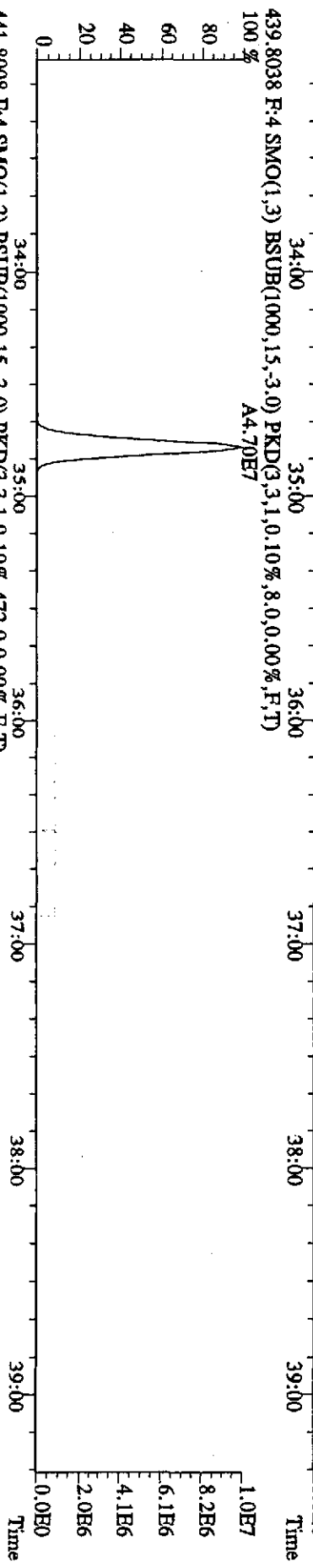
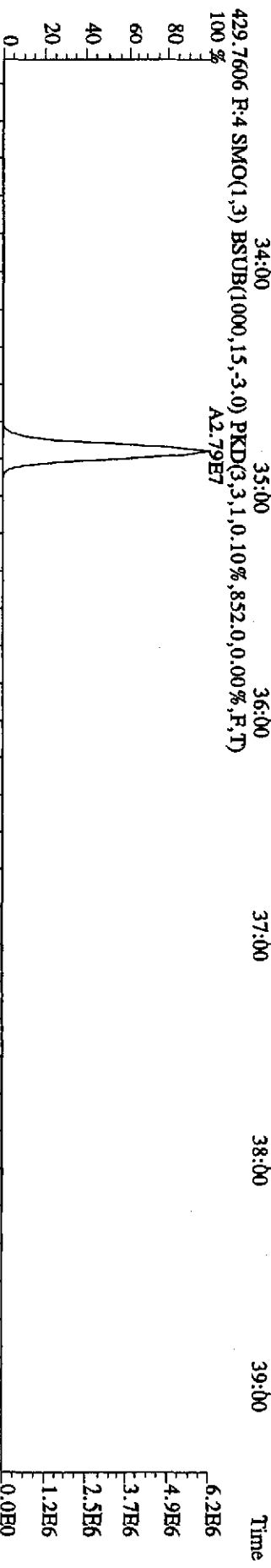
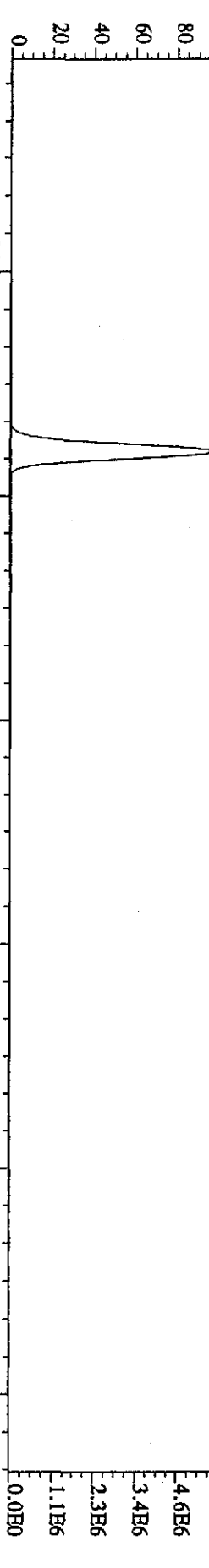
File: 16DBE9E9D5 #1-596 Acq: 16-DEC-2009 13:59:53 GC EI+ Voltage SIR Autospec-UltimaB  
Sample#1 Text: ST1216 :CS3 09DXN207 Exp: 209DB5  
393.8025 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4708,0,0,00%,F,T)





File:16DB09B9D5 #1-384 Acq:16-DEC-2009 13:59:53 GC EI+ Voltage SIR Autospec-Ultimate

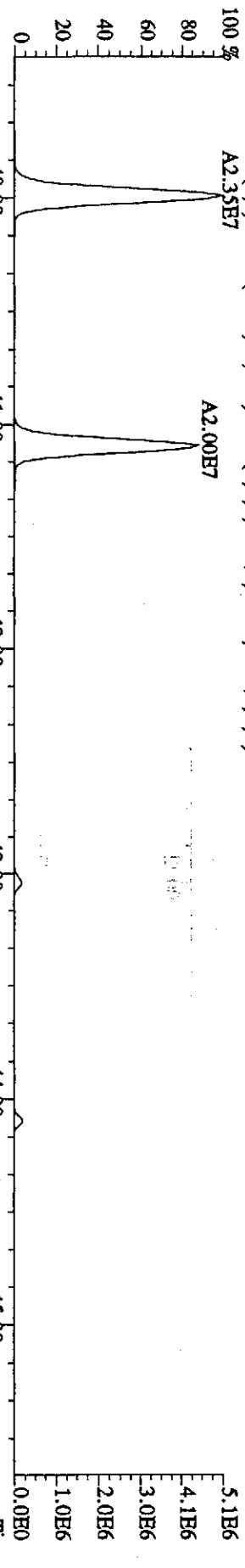
Sample#1 Text:ST1216 :CS3 09DXNZ07 Exp:209DB5



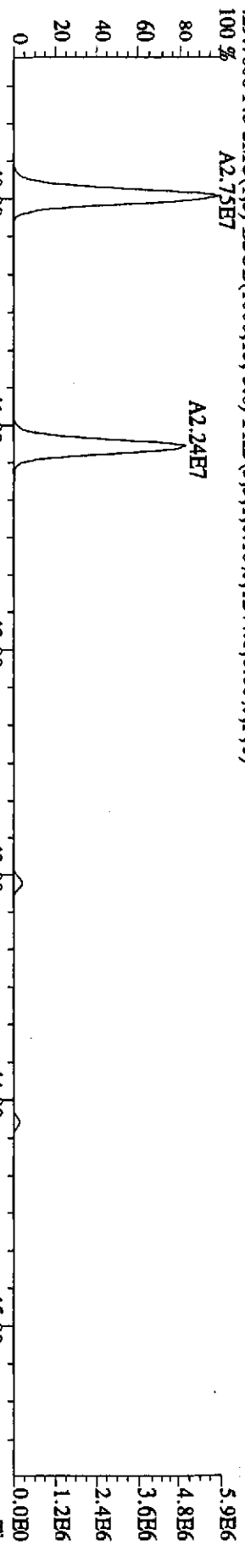
File: 16DBE09E9D5 #1-418 Acq: 16-DEC-2009 13:59:53 GC EI+ Voltage SIR Autospec-UltimaB

Sample#1 Text: ST1216 :CS3 09DXN207 Exp: 209DB5

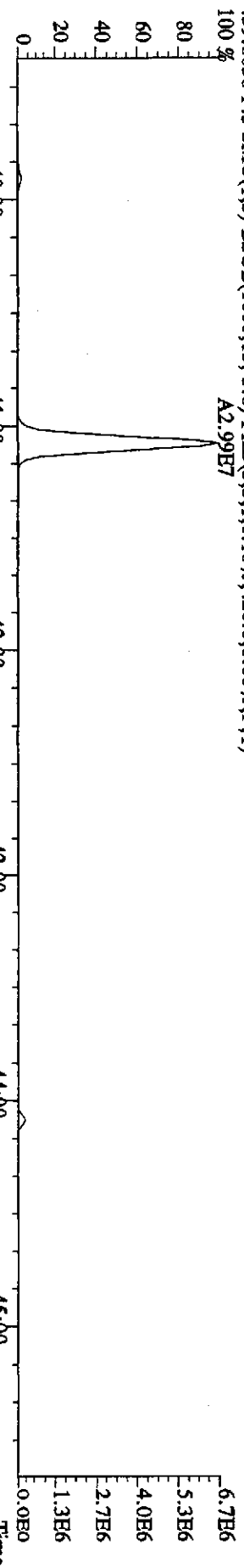
427.7635 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,504,0,0,00%,F,T)



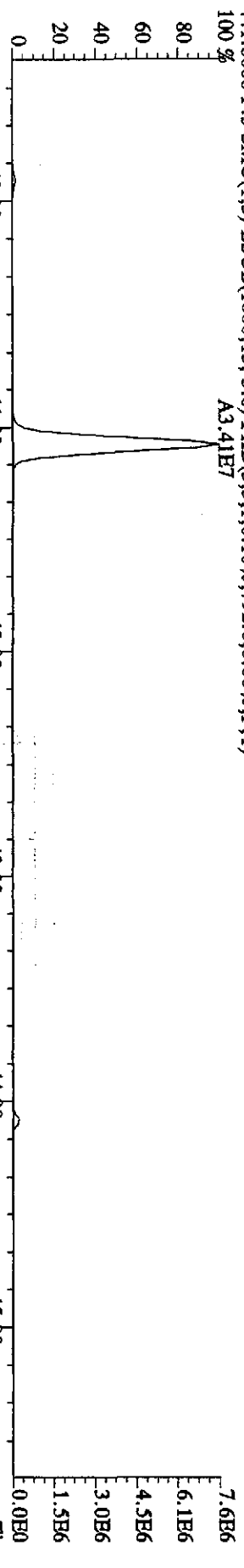
429.7606 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1244,0,0,00%,F,T)



439.8038 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,420,0,0,00%,F,T)



441.8008 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,792,0,0,00%,F,T)



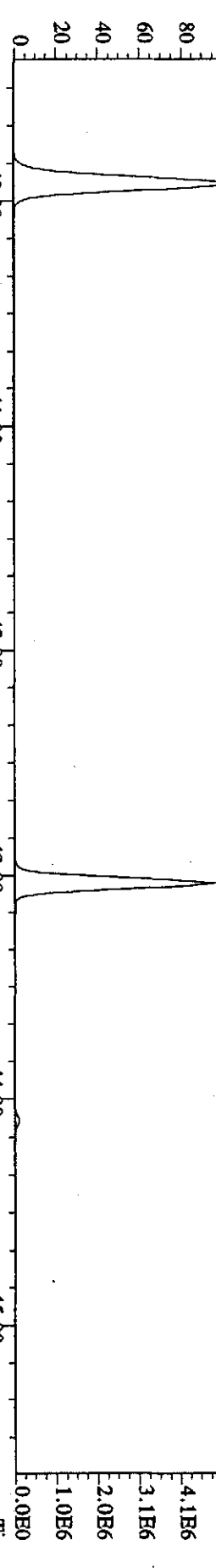
Sample#1 Text:ST1216 :CS3 09DXN207

Exp:209DB5

461.7245 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,616.0,0.00%,F,T)

A1.72E7

5.1E6

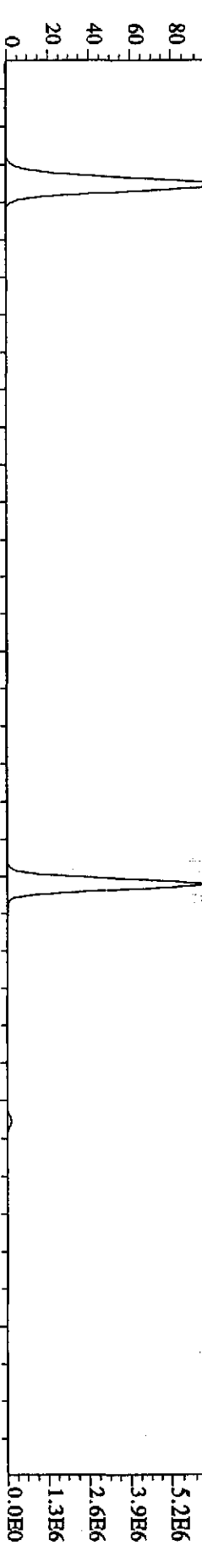


463.7216 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,816.0,0.00%,F,T)

A2.95E7

A2.21E7

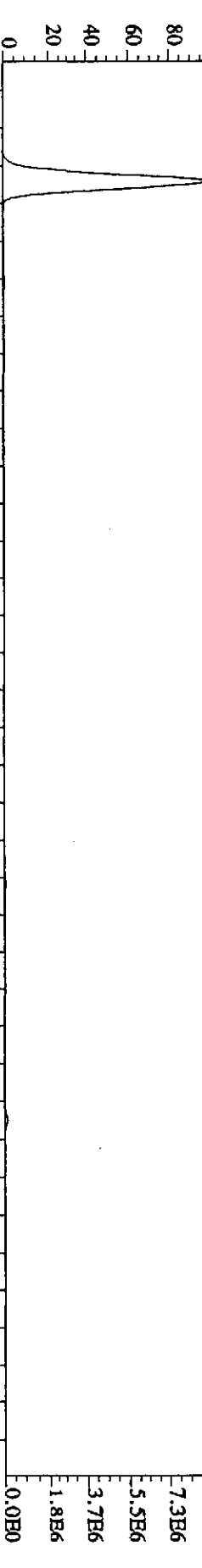
6.5E6



473.7648 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,352.0,0.00%,F,T)

A4.11E7

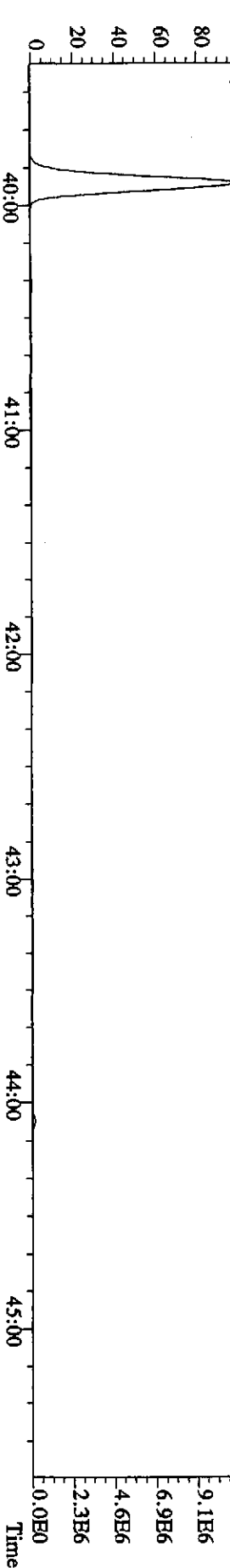
9.2E6



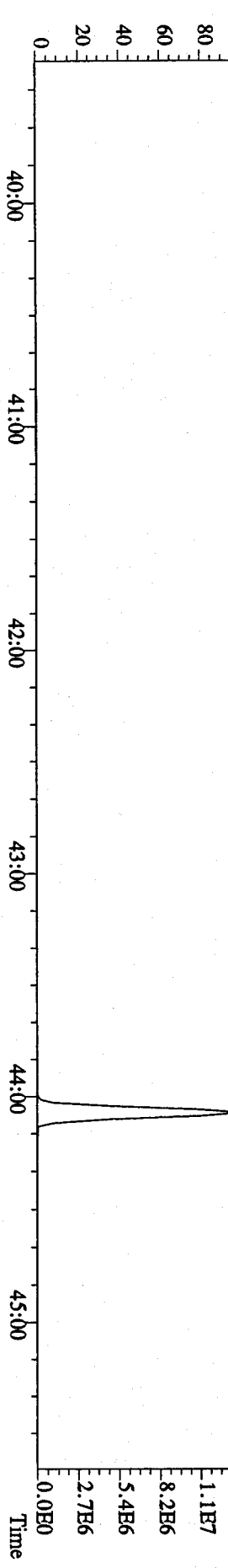
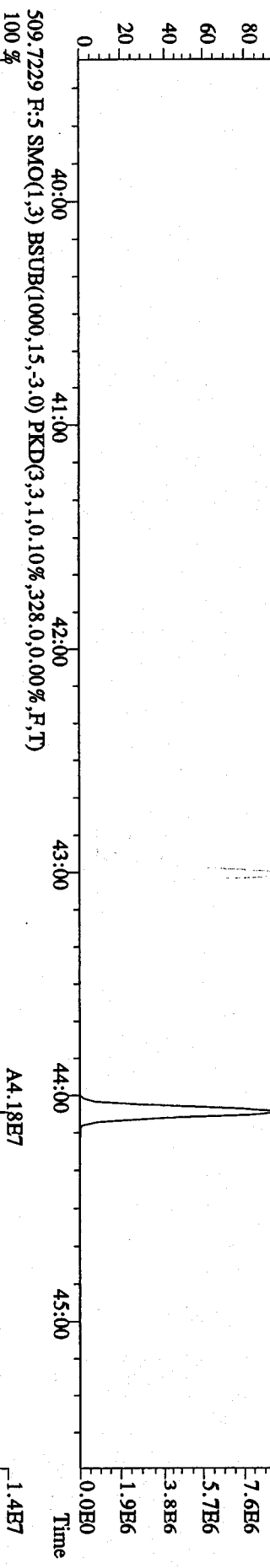
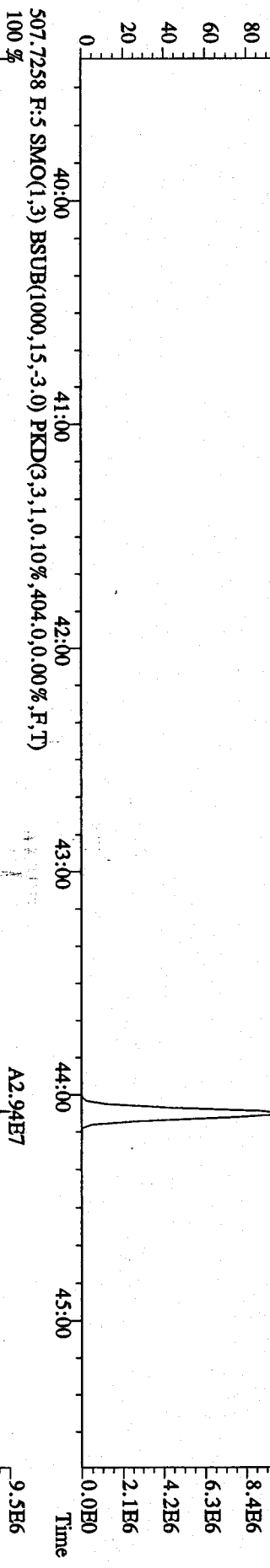
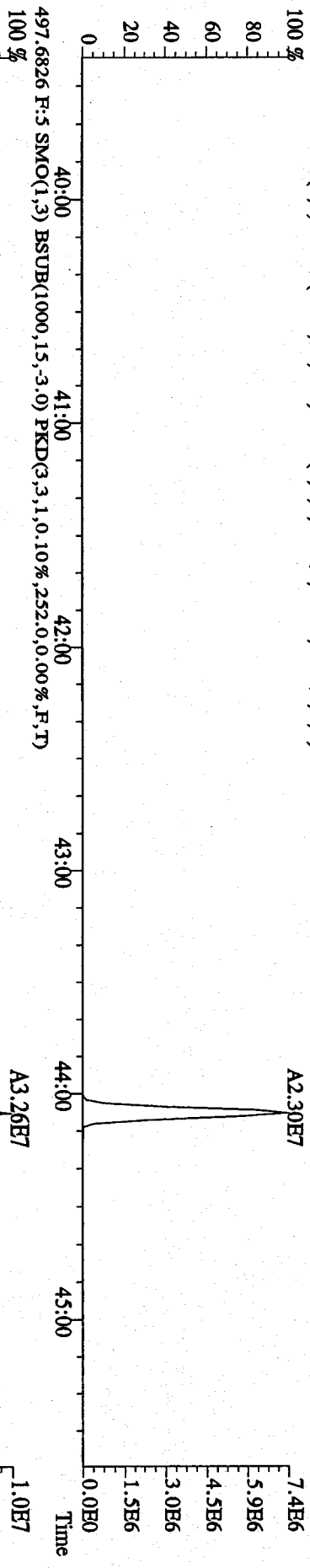
475.7619 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,728.0,0.00%,F,T)

A5.17E7

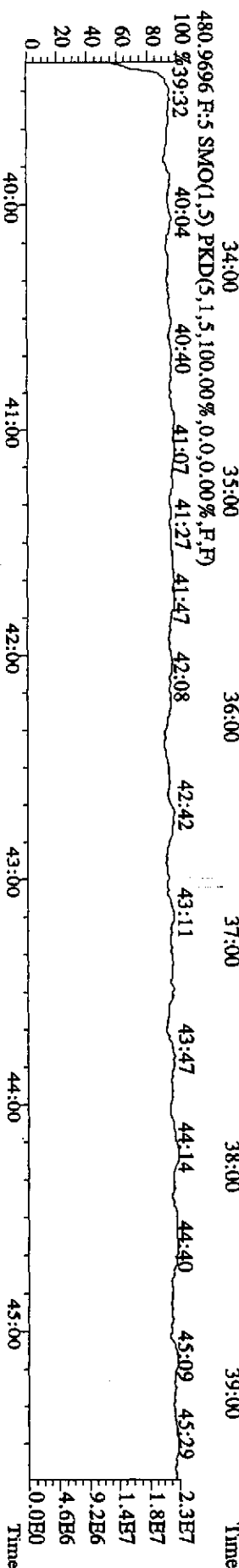
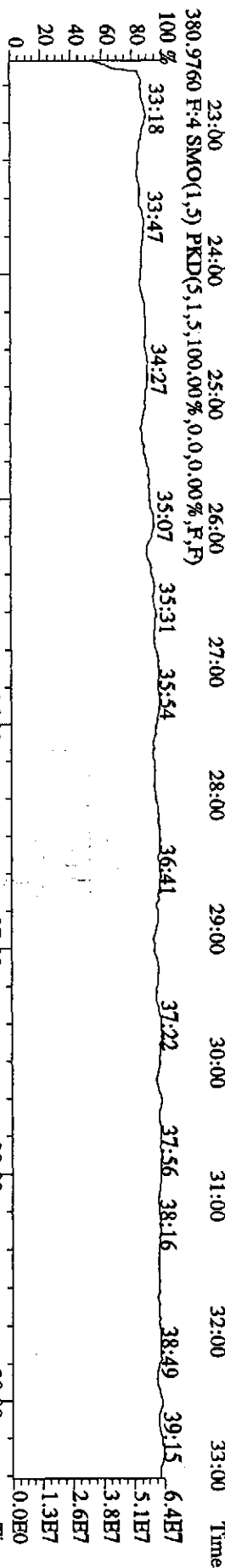
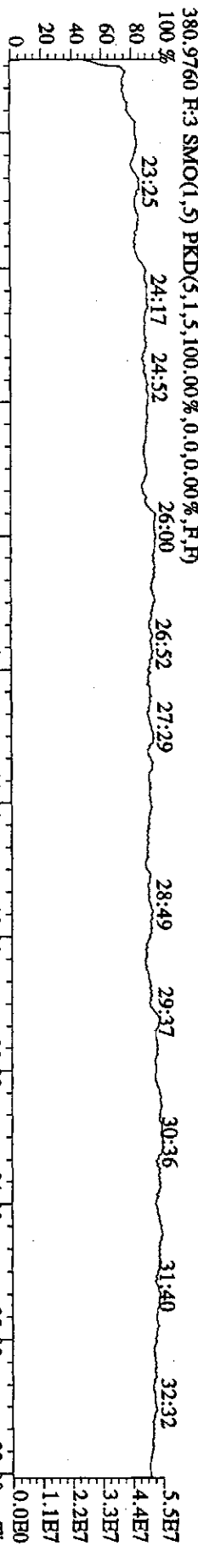
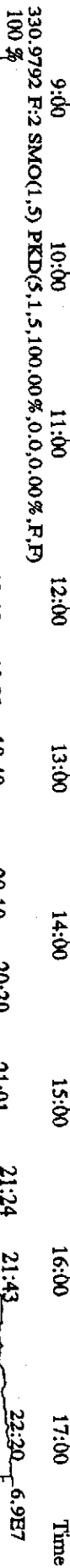
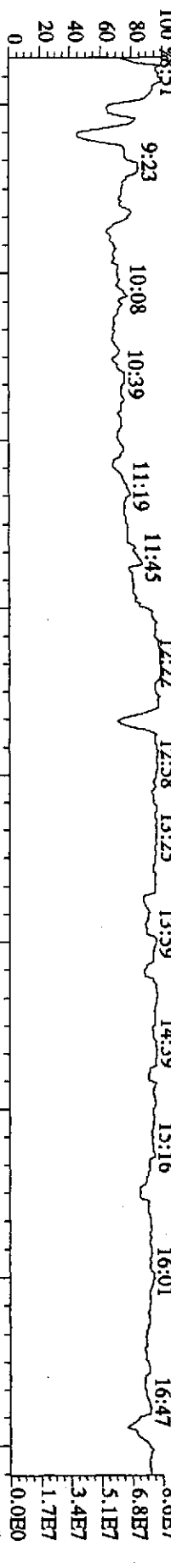
1.1E7



File:16DDE09E9D5 #1-418 Acq:16-DEC-2009 13:59:53 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#1 Text:ST1216 :CS3 09DXN207 Exp:209DB5  
 495.6856 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,640,0,0,00%,F,T) 100 %



File:16DB09E9D5 #1-516 Acq:16-DBC-2009 13:59:53 GC EI+ Voltage SIR Autospec-UltimaF  
 Sample#1 Text:ST1216 :CS3 09DXN207 Exp:209DB5  
 218.9656 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



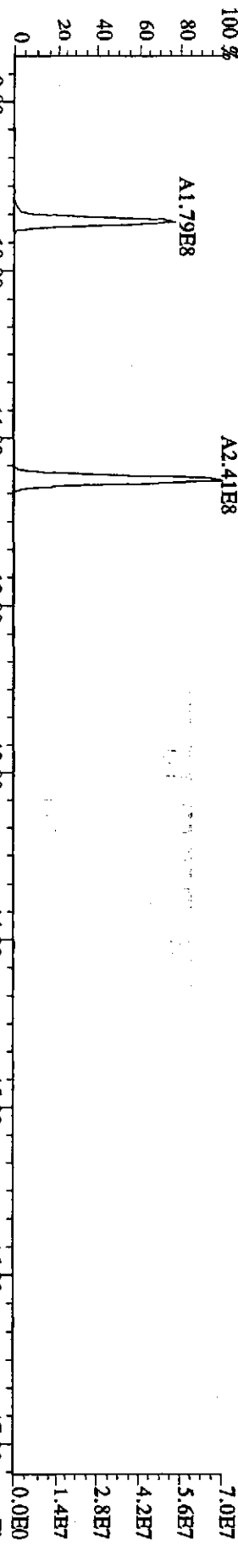
File:16DE09E9D5 #1-516 Acq:16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-UltimaB

Sample#5 Text:ST1216D :CS4 09DXN208

Exp:209DB5

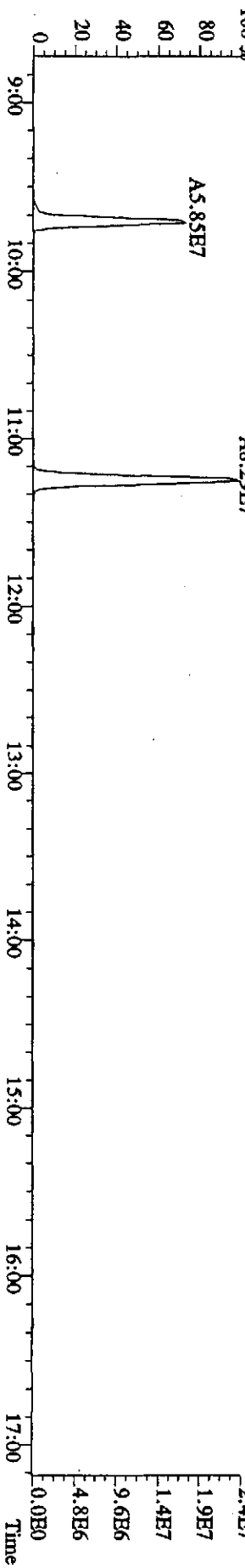
188.0393 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2492.0,0.00%,F,T)

100% A2.41E8



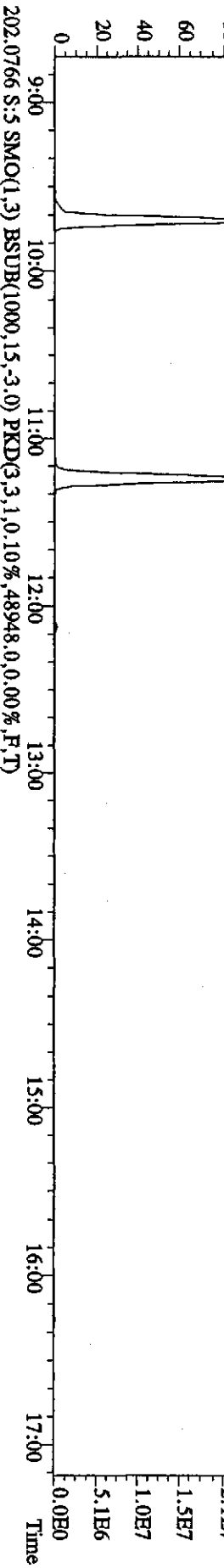
190.0363 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1756.0,0.00%,F,T)

100% A8.29E7



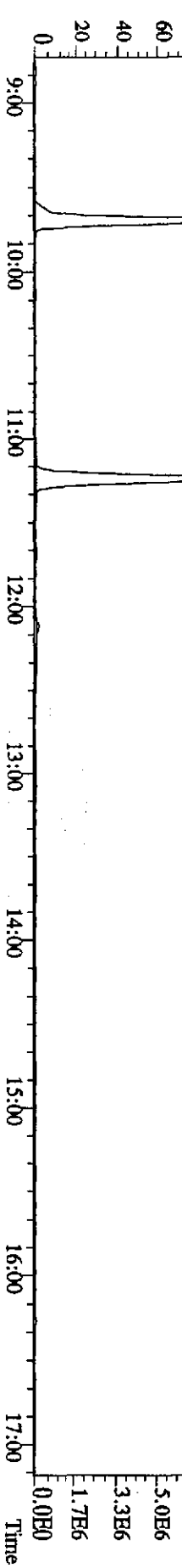
200.0795 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4400.0,0.00%,F,T)

100% A7.68E7



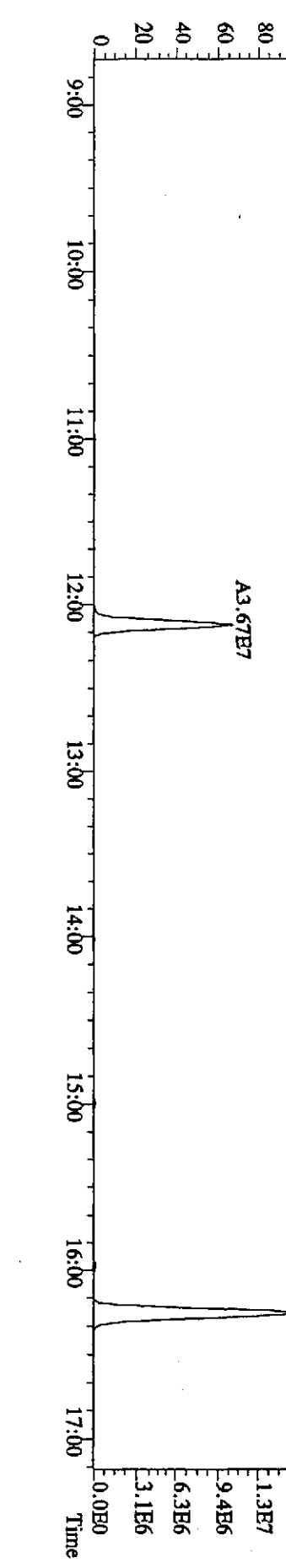
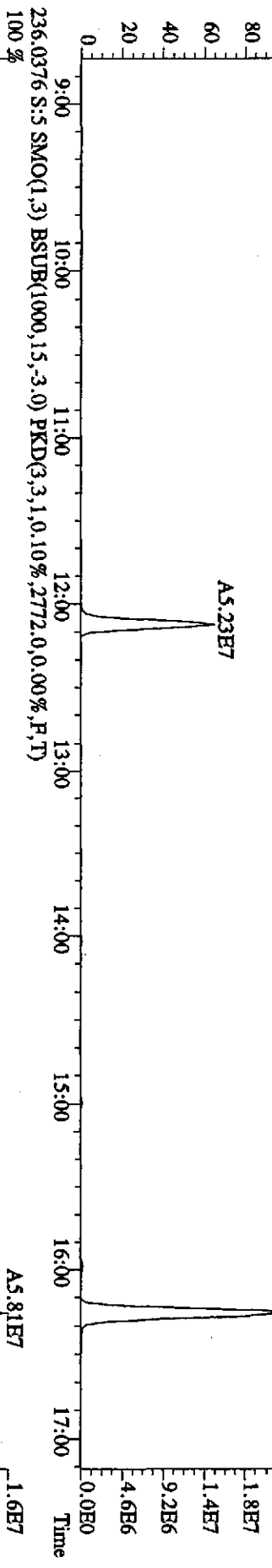
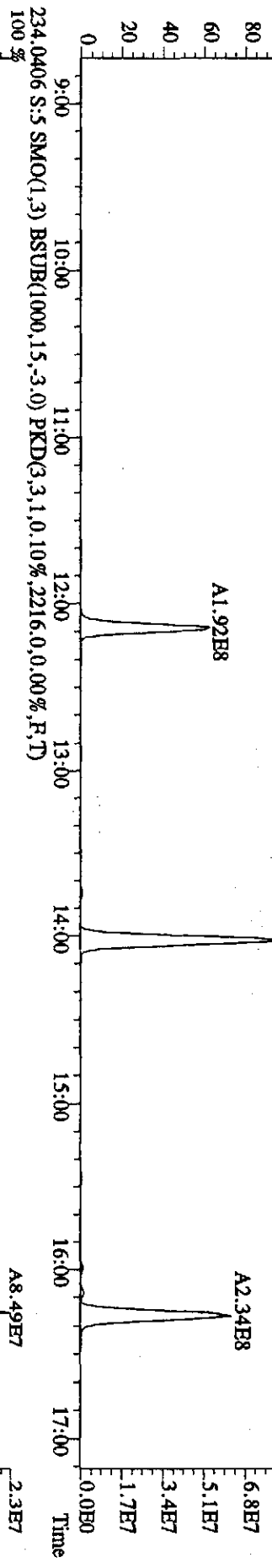
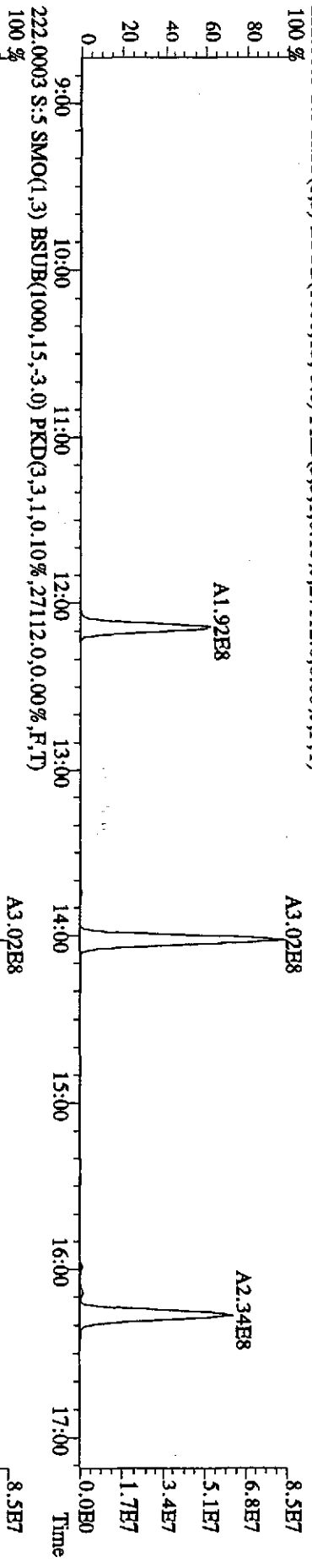
202.0766 S:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,48948.0,0.00%,F,T)

100% A2.56E7

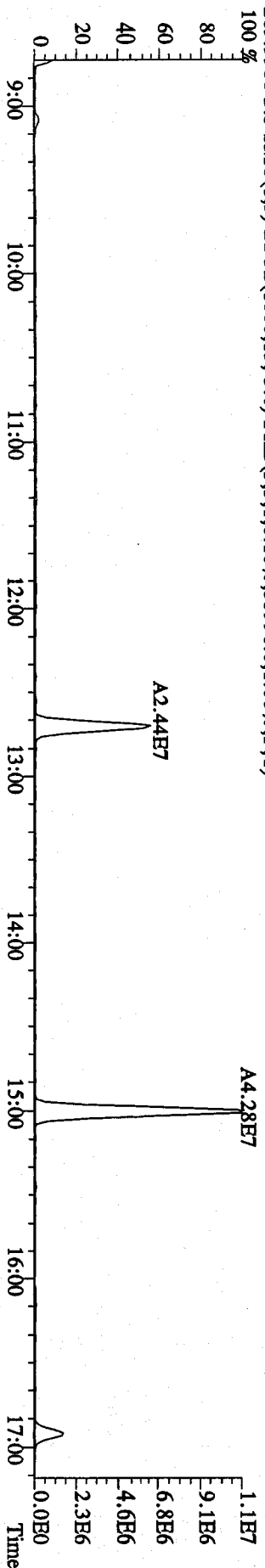
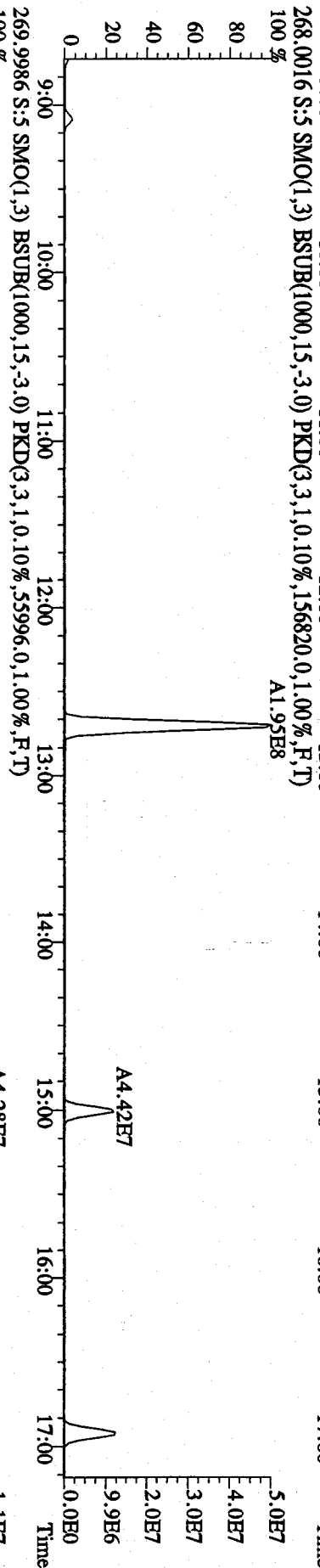
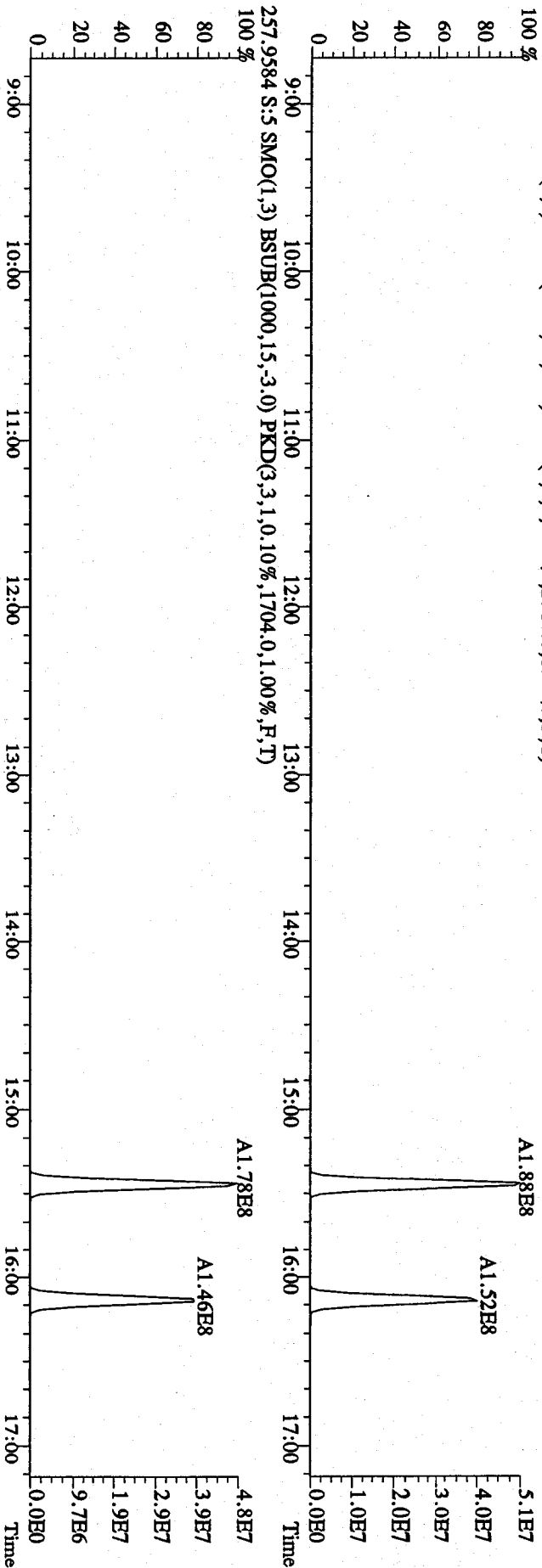


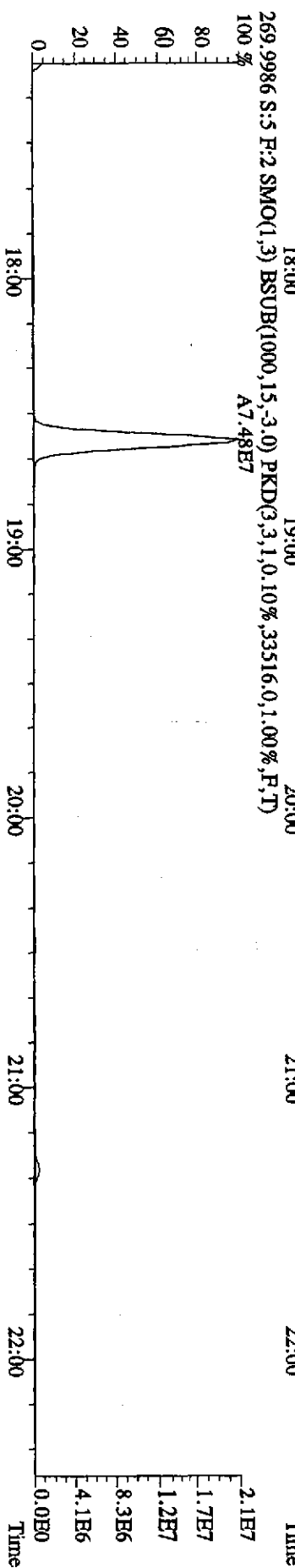
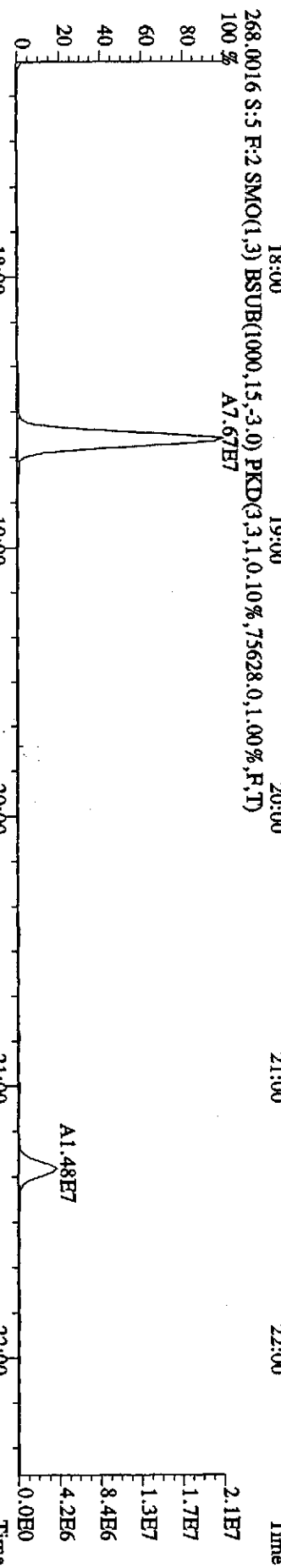
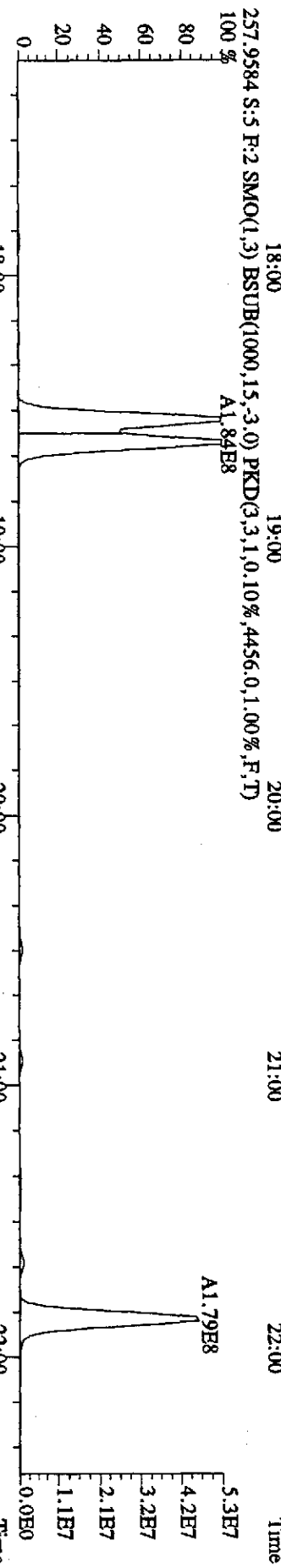
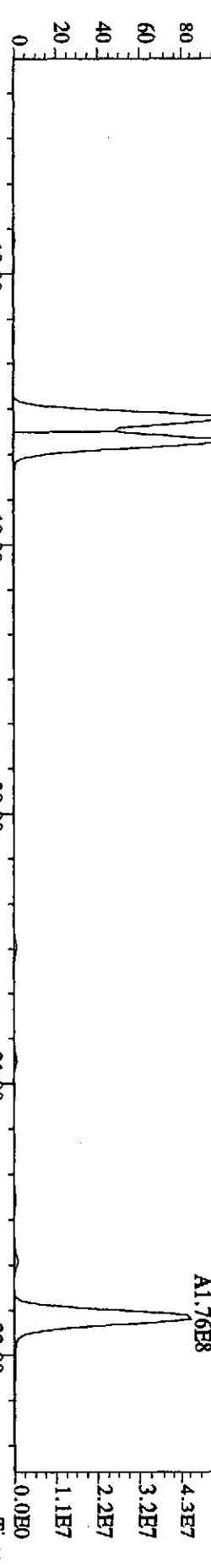


File: 16DE09E9D5 #1-516 Acq: 16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#5 Text: ST1216D :CS4 09DXN208 Exp: 209DB5  
 222.0003 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,27112,0,0,00%,F,T)

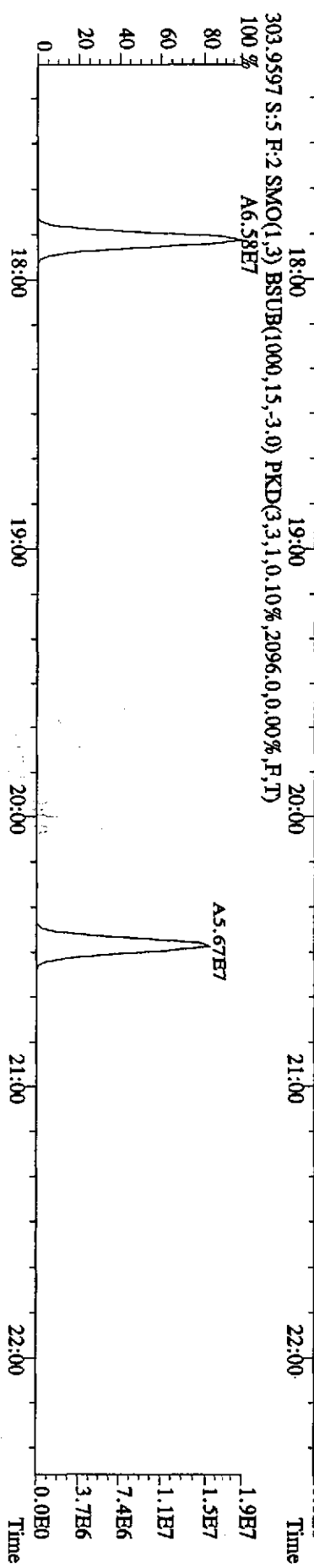
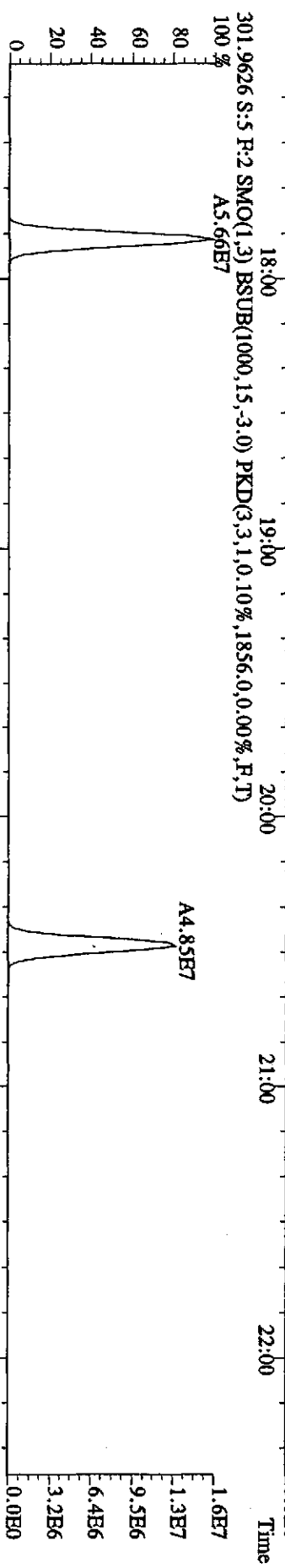
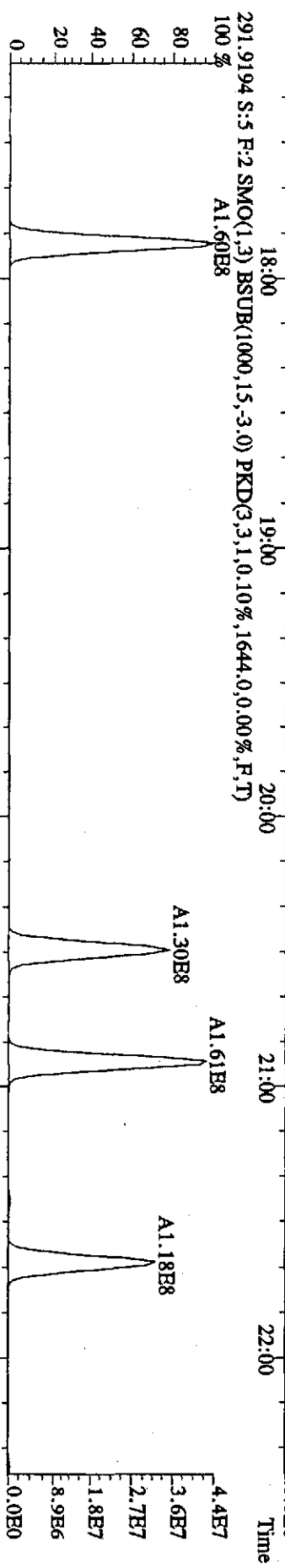
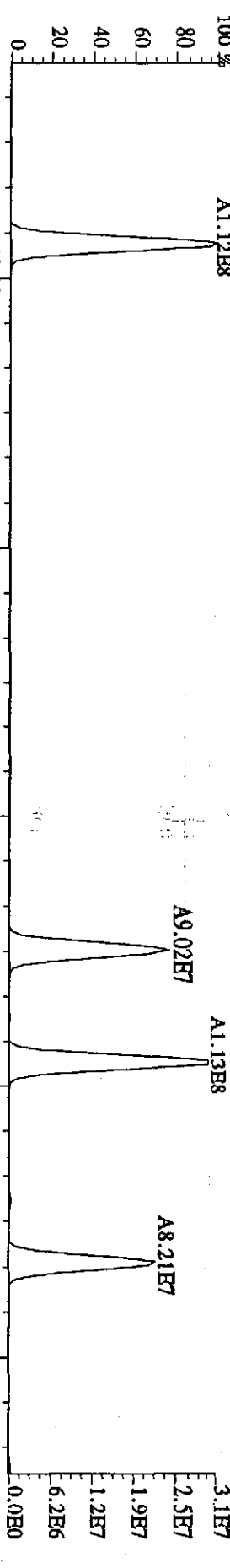


File:16DDE09E9D5 #1-516 Acq:16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-UltimaB  
Sample#5 Text:ST1216D :CS4 09DXN208 Exp:209DB5  
255.9613 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1704.0,1.00%,F,T)  
100 %

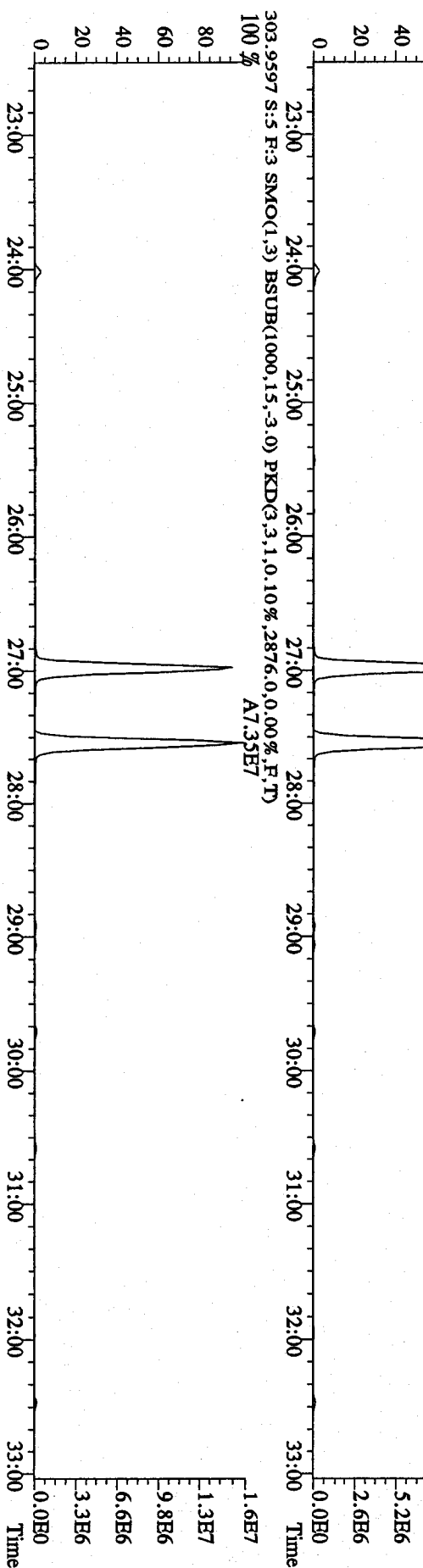
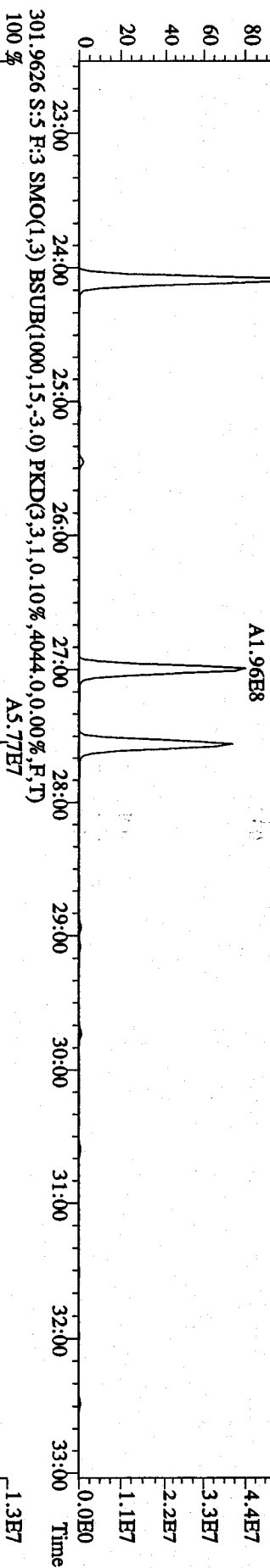
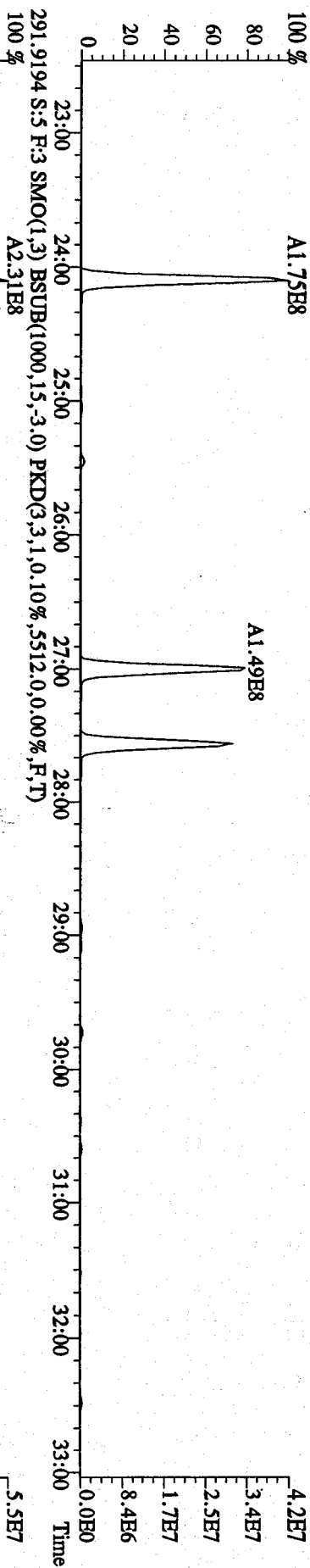




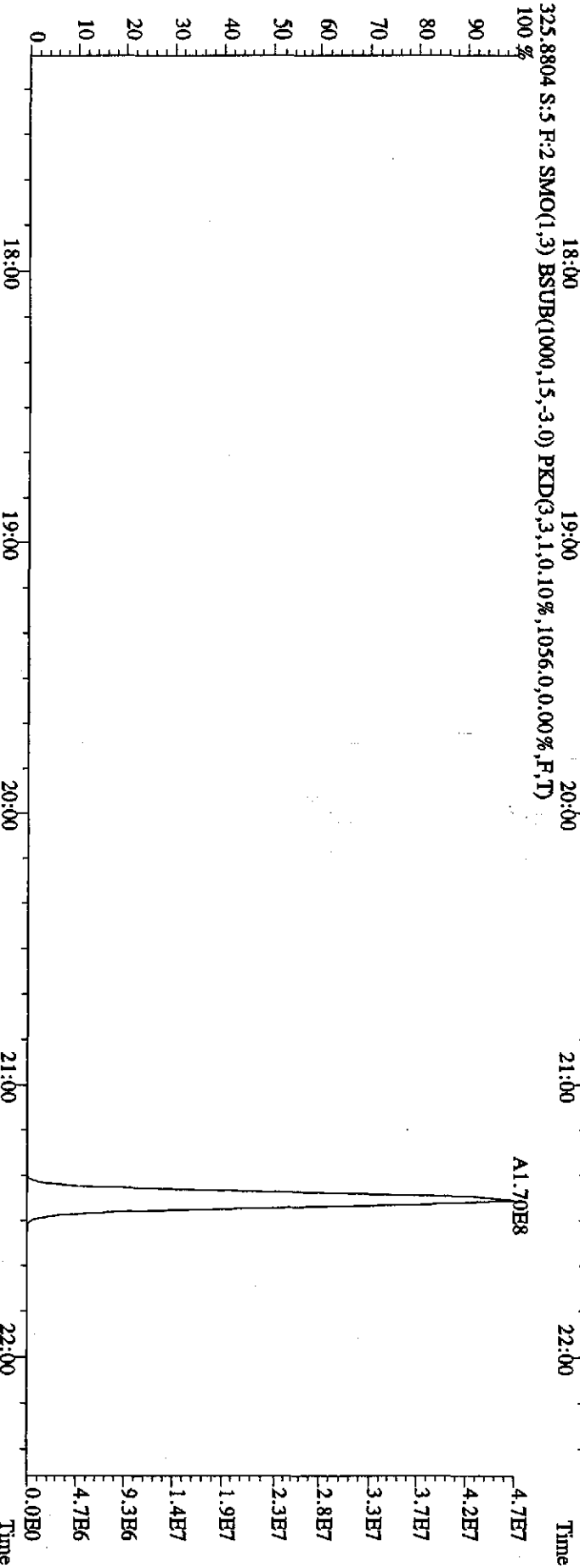
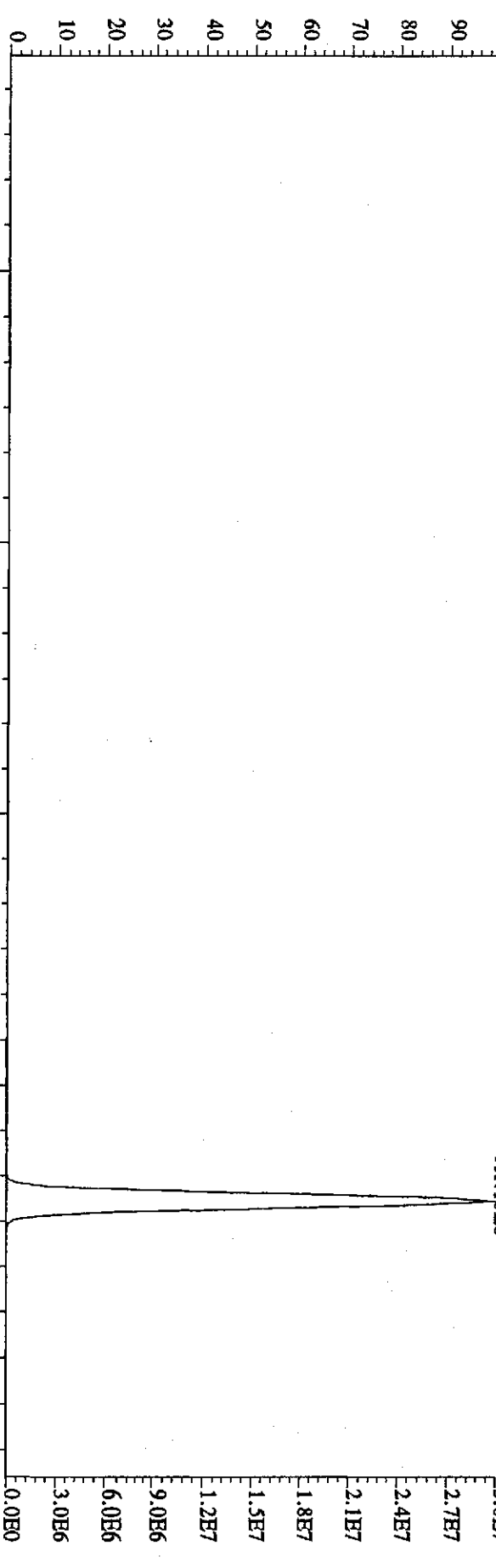
File:16DDE09E9D5 #1-381 Acq:16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-UtimaE  
 Sample#5 Text:ST1216D :CS4 09DXN208 Exp:209DB5  
 289.9224 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,872,0,0,00%,F,T)

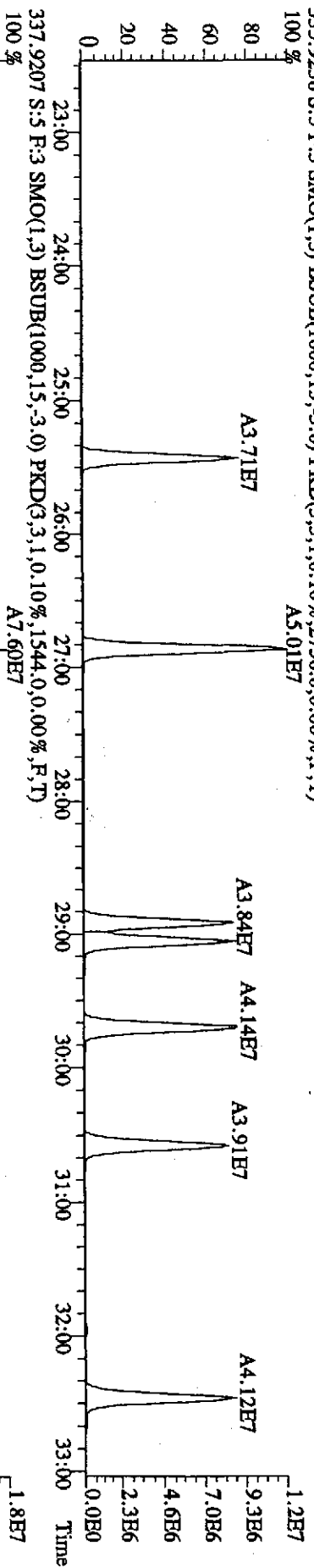
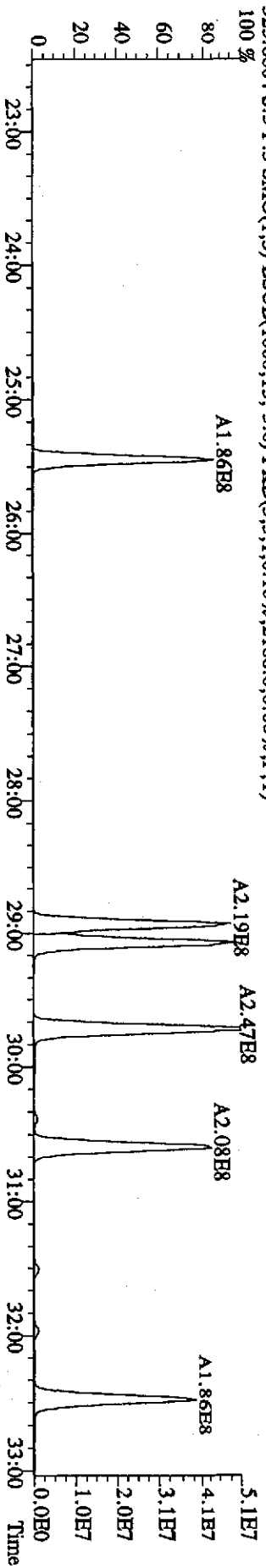
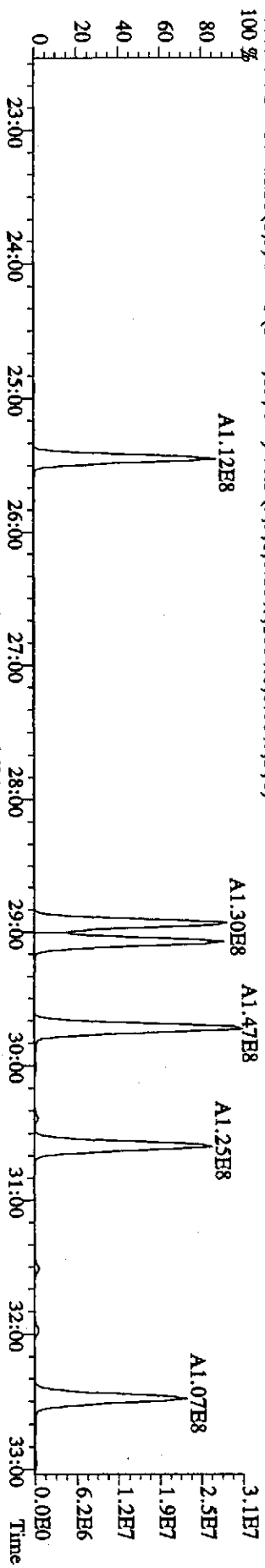


File:16DEB09E9D5 #1-596 Acq:16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST1216D :CS4 09DXN208 Exp:209DB5  
 289.9224 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1784.0,0.00%,F,T)  
 100% A1.75E8



File: 16DB09E9D5 #1-381 Acq: 16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#5 Text: ST1216D :CS4 09DXN208 Exp: 209DB5  
323.8834 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1056,0,0,00%,F,T)

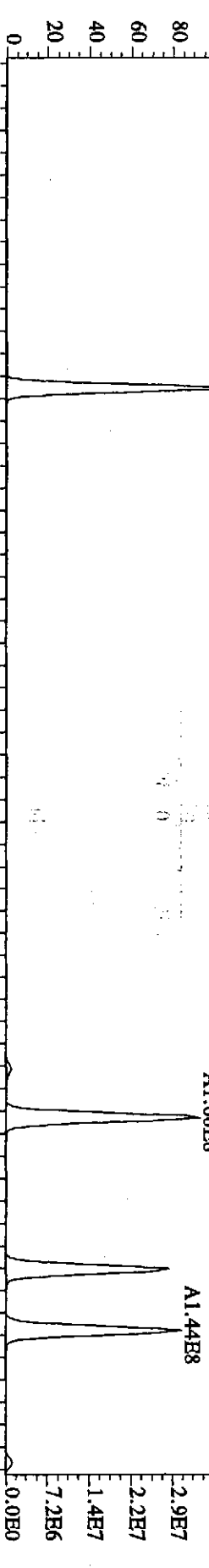




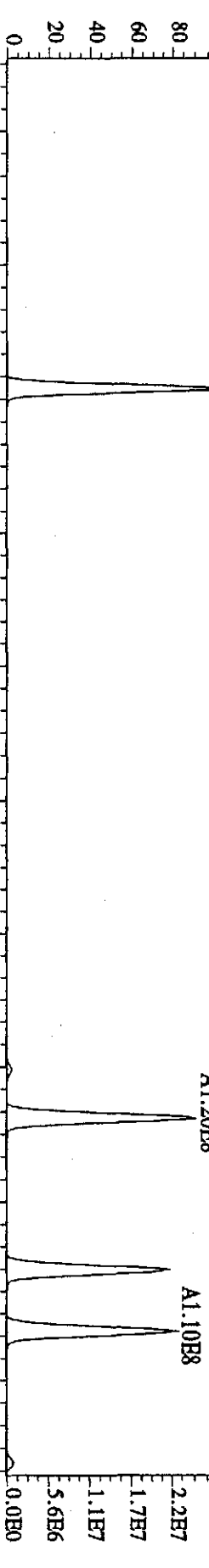
File:16DHO9E9D5 #1-596 Acq:16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-Ultimate

Sample#5 Text:ST1216D :CS4 09DXNZ08 Exp:209DB5

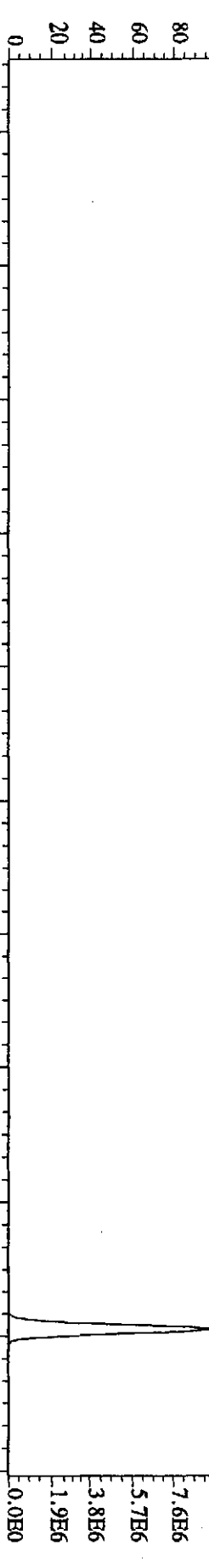
359.8415 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1220,0,0.00%,F,T)



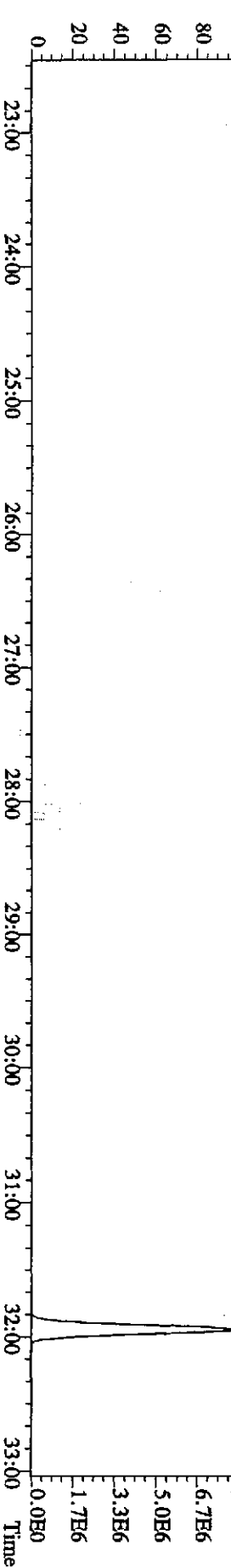
361.8385 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1128,0,0.00%,F,T)



371.8817 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,360,0,0.00%,F,T)



373.8788 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4,0,0.00%,F,T)

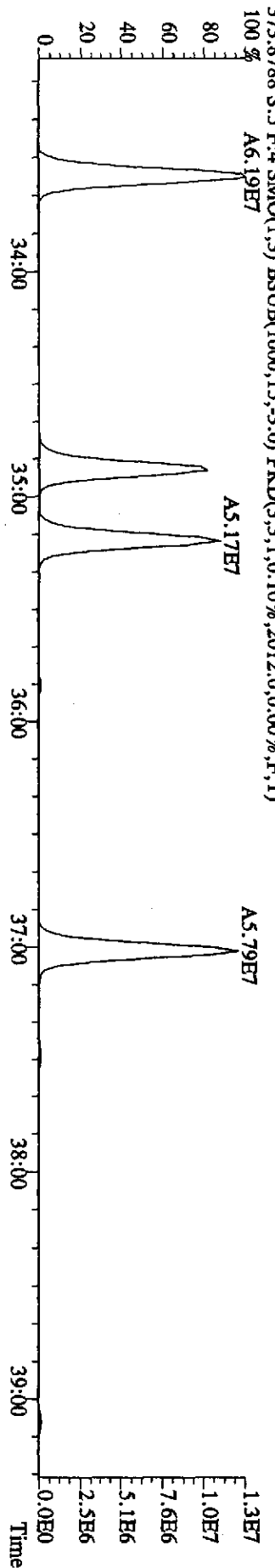
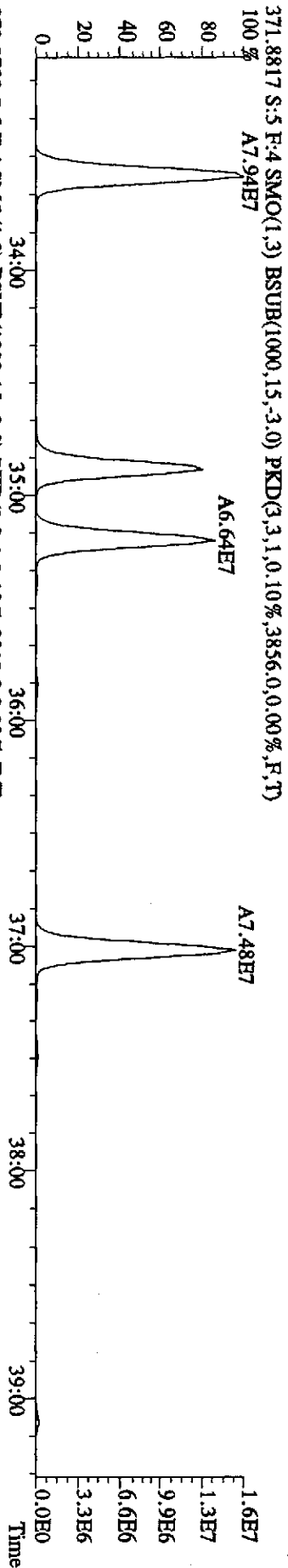
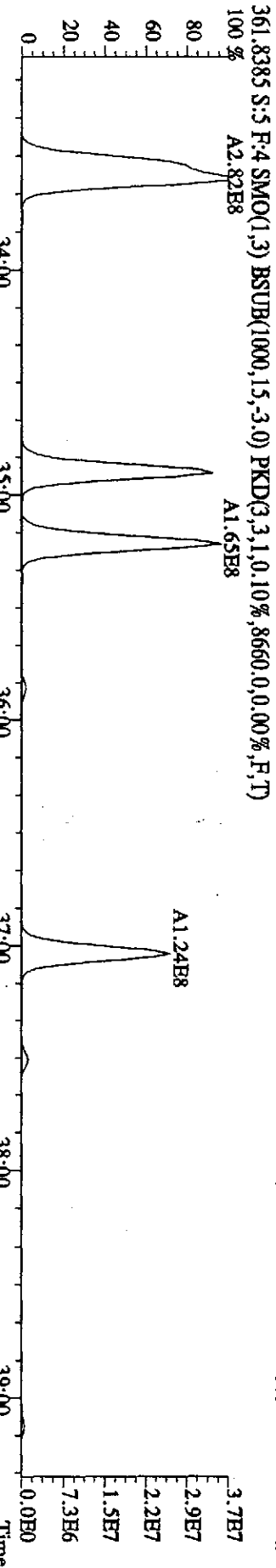
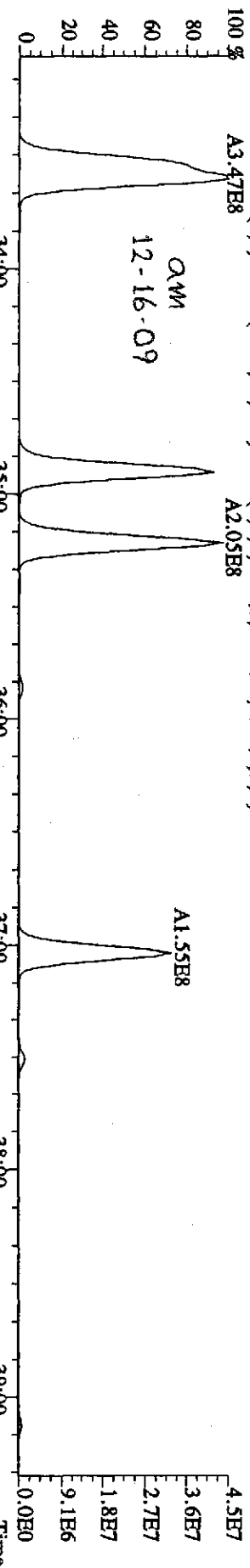




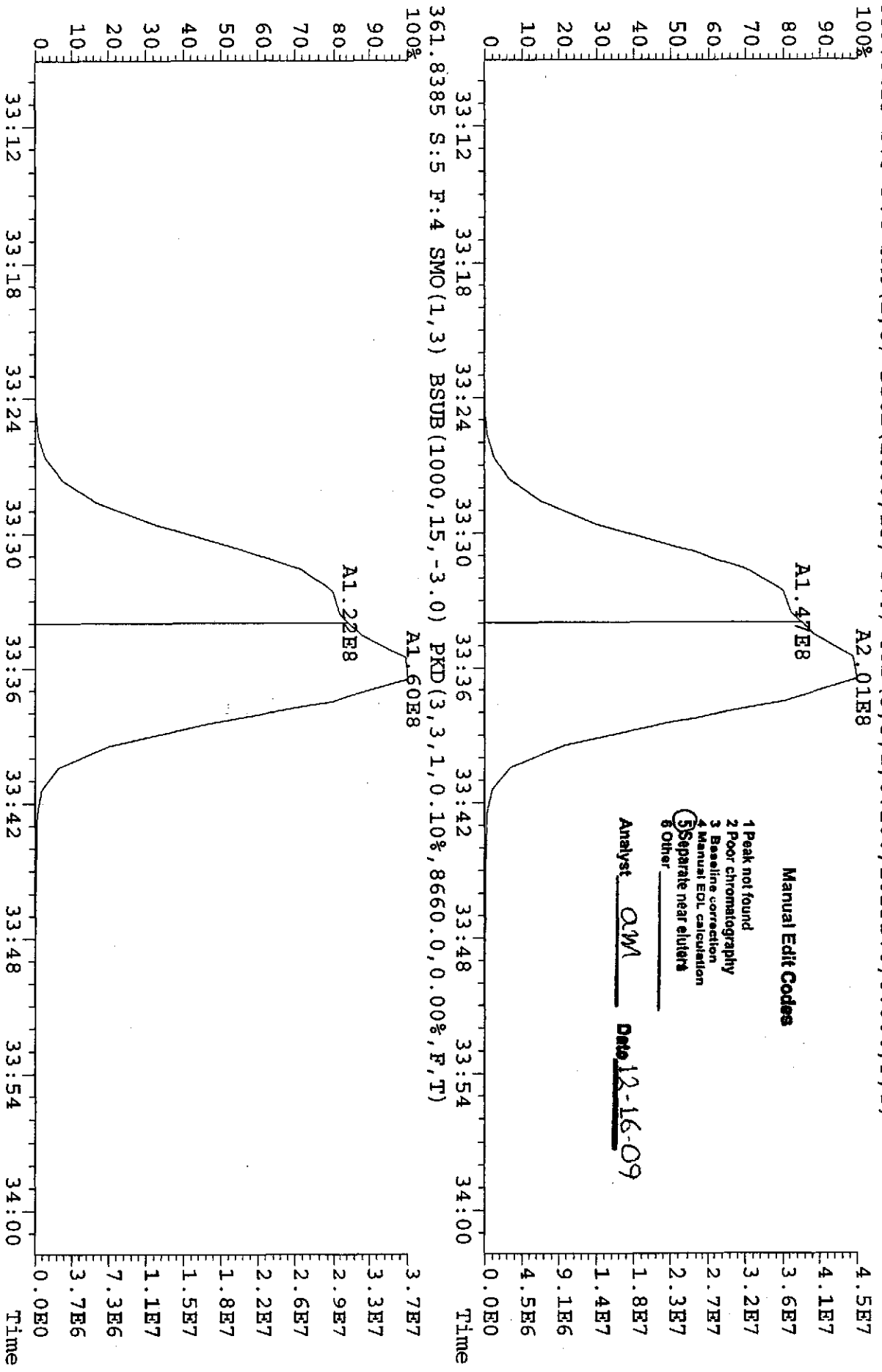
File: 16DBE09E9D5 #1-384 Acq:16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-Ultimate

Sample#5 Text:ST1216D :CS4 09DXN208 Exp:209DB5

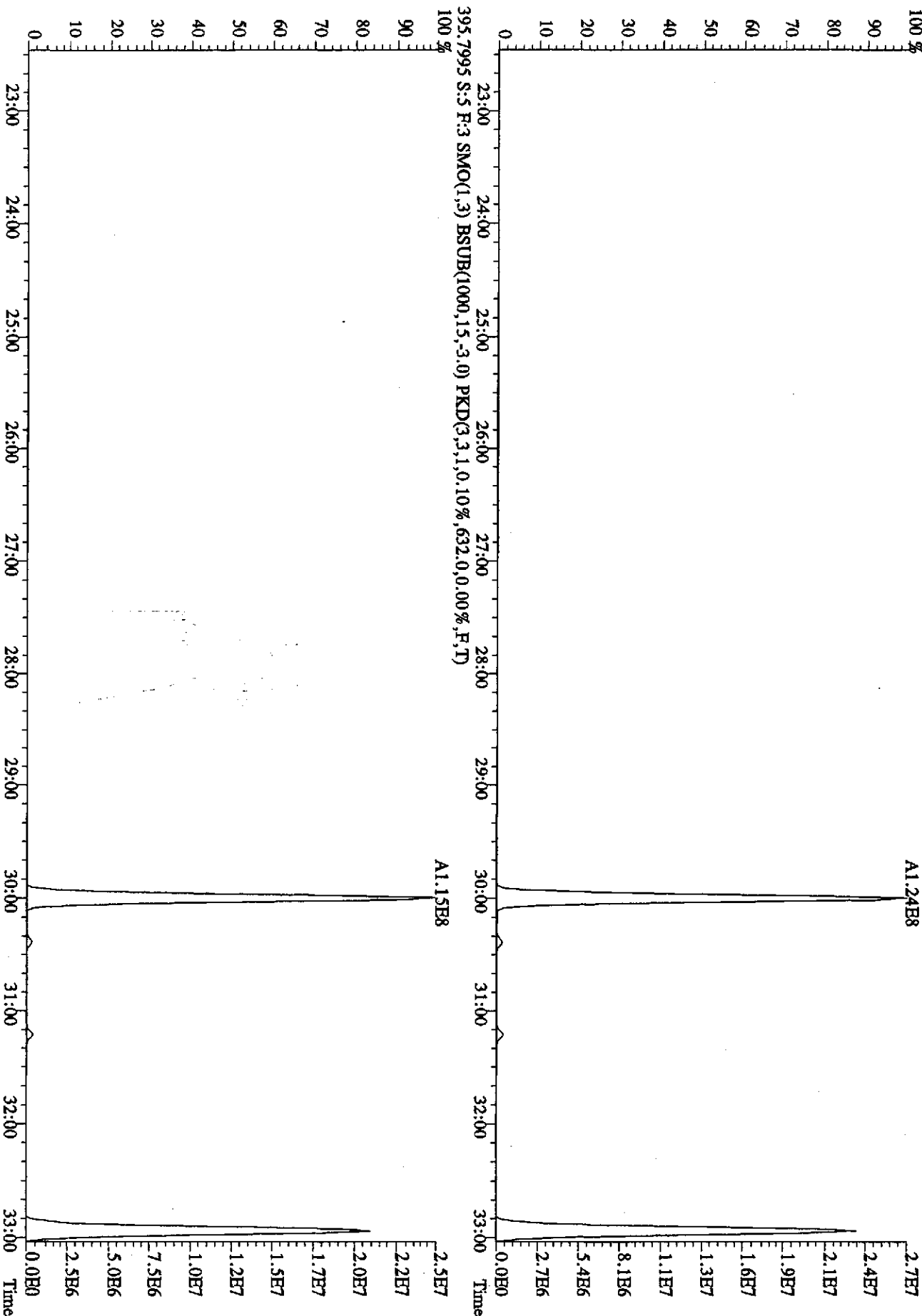
359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,10252,0,0,00%,F,T)



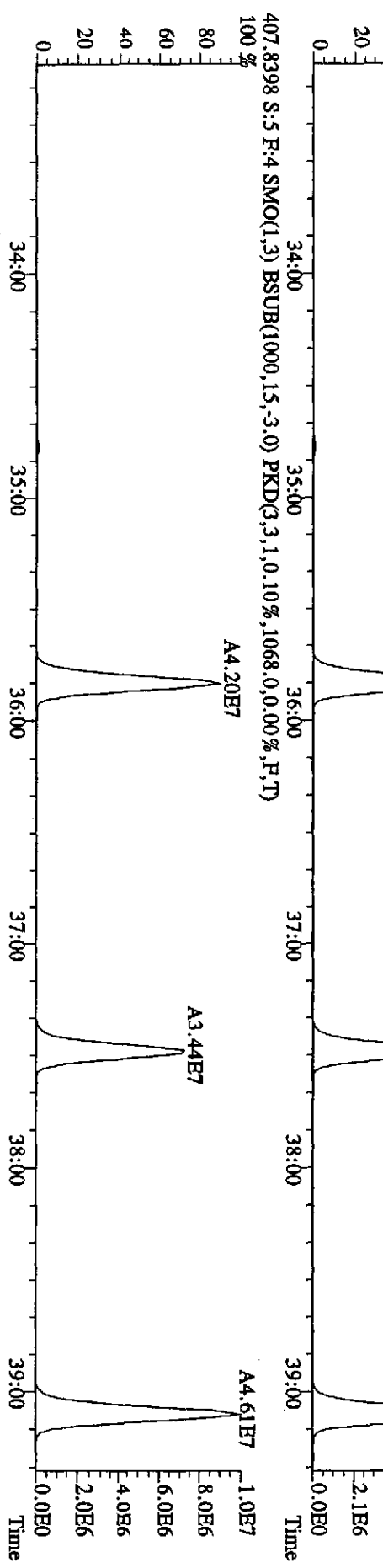
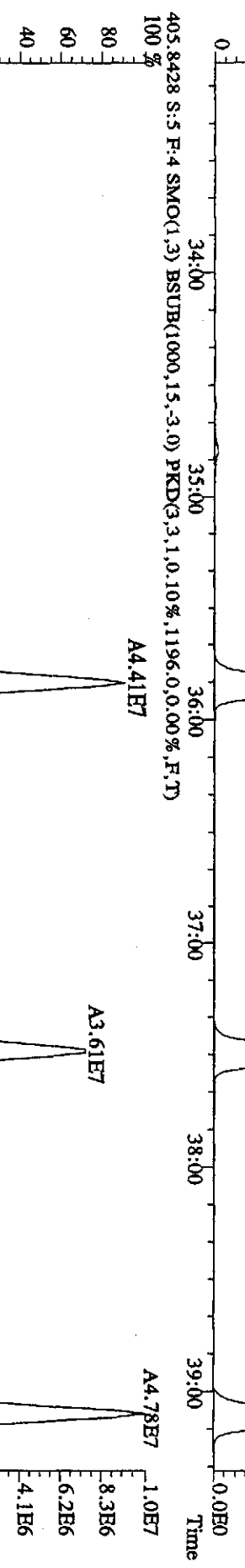
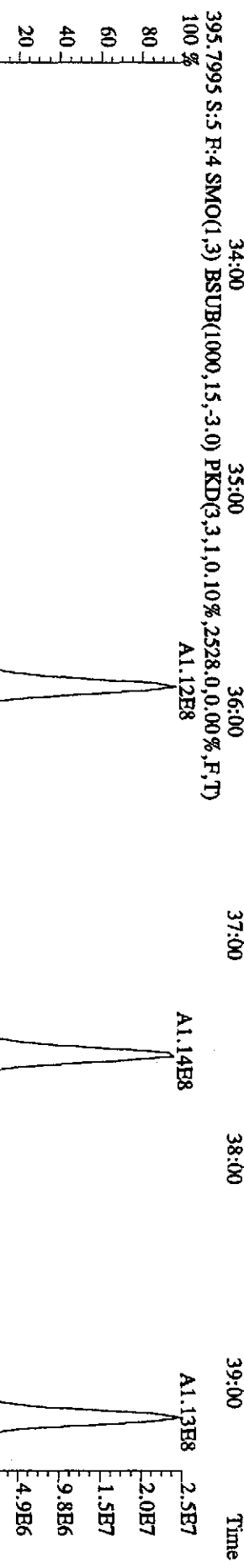
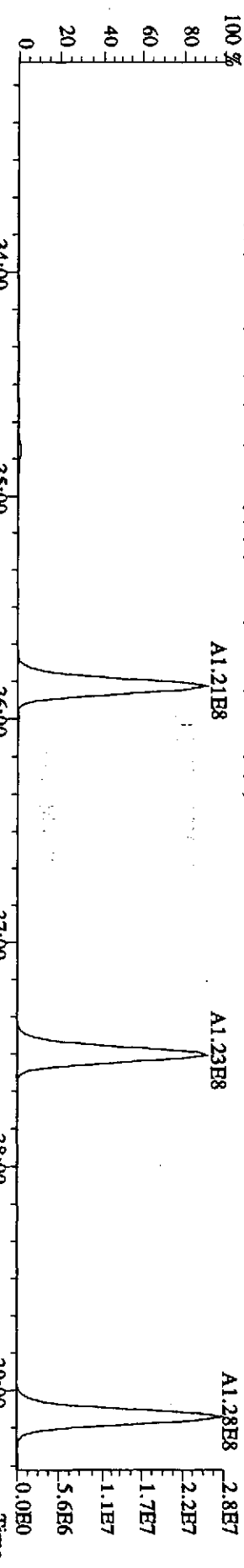
File: 16DE09E9D5 #1-384 Acq: 16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#5 Text: ST1216D : CS4 09DXN208 Exp: 209DB5  
 359.8415 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,10252.0,0.00%,F,T)



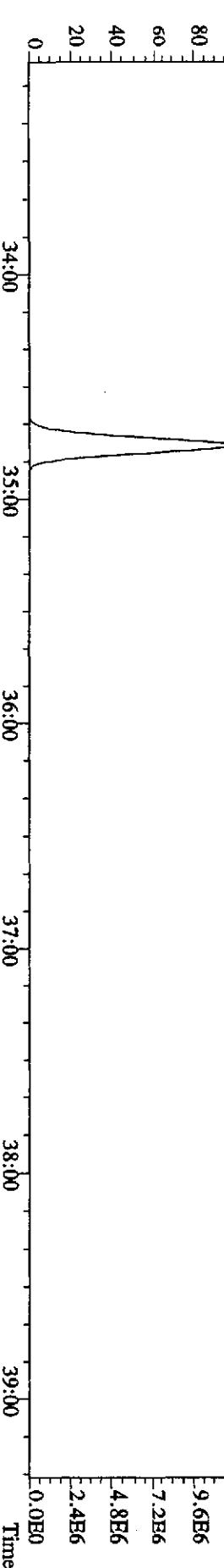
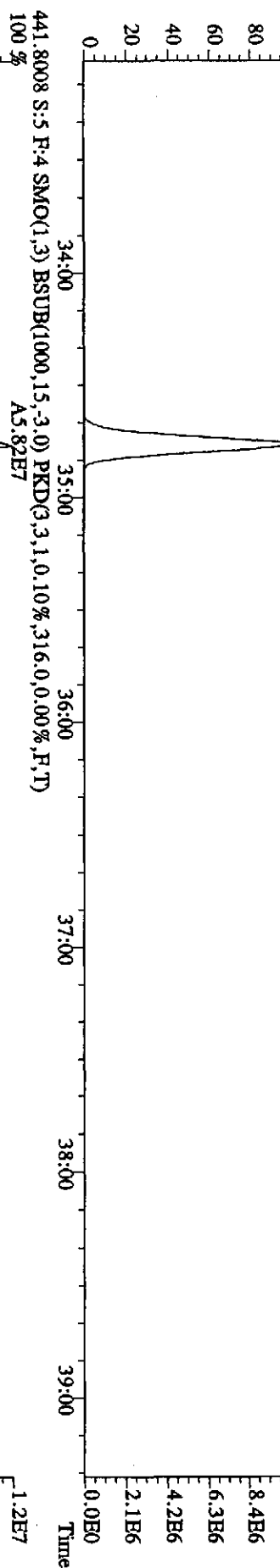
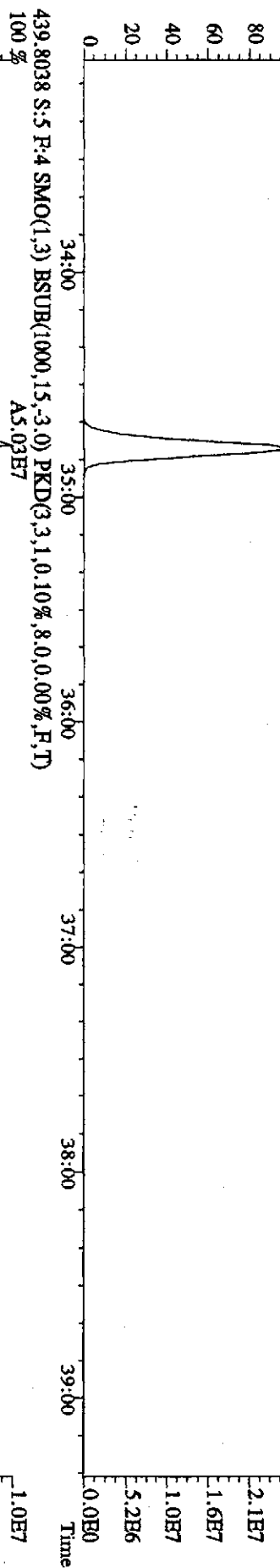
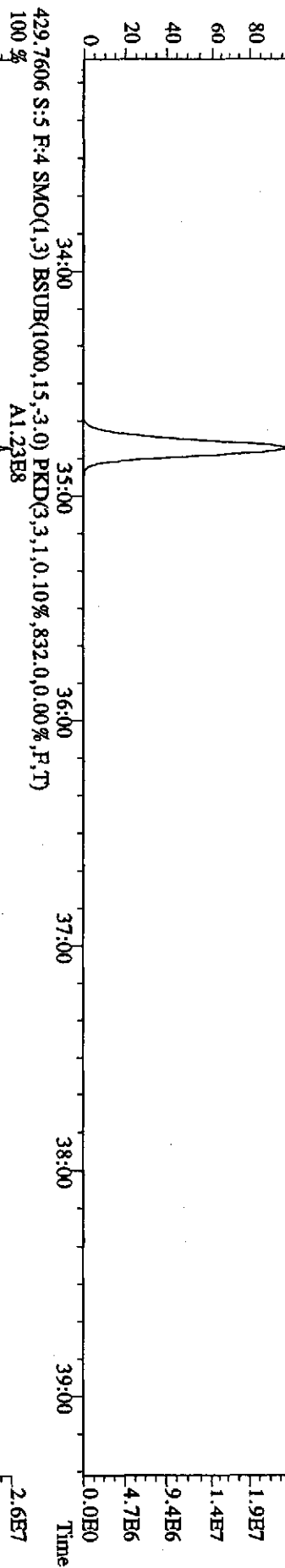
File: 16DE09B9D5 #1-596 Acq: 16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text: ST1216D :CS4 09DXN208 Exp: 209DB5  
 393.8025 S.S F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2064,0,0,00%,F,T)



File:16DB09E9D5 #1-384 Acq:16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#5 Text:ST1216D :CS4 09DXNZ08 Exp:209DB5  
 399.8025 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,4672,0,0,00%,F,T)



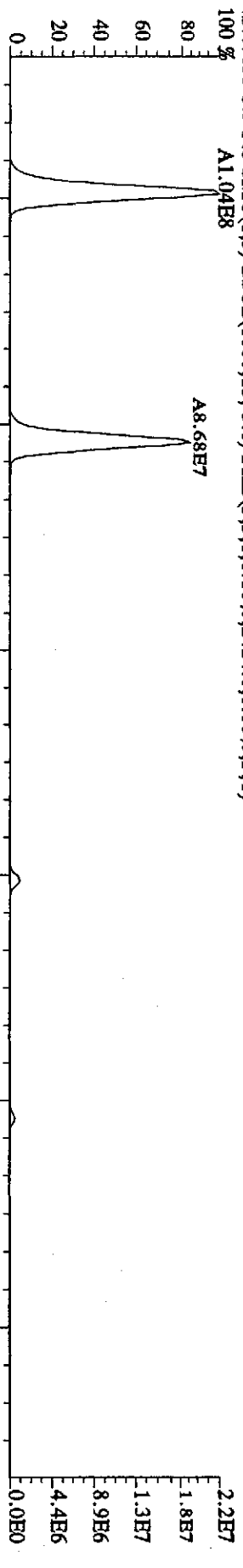
File:16DE09E9D5 #1-384 Acq:16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#5 Text:ST1216D :CS4 09DXN208 Exp:209DB5  
 427.7635 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,428,0,0,00%,F,T)  
 100% A1.11E8



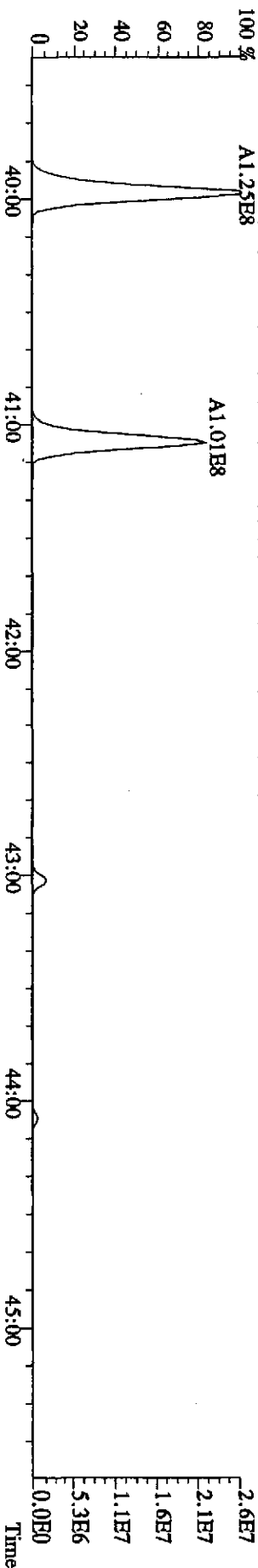
File:16DIB09E9D5 #1-418 Acq:16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-UltimaB

Sample#5 Text:ST1216D :CS4 09DXNZ08 Exp:209DB5

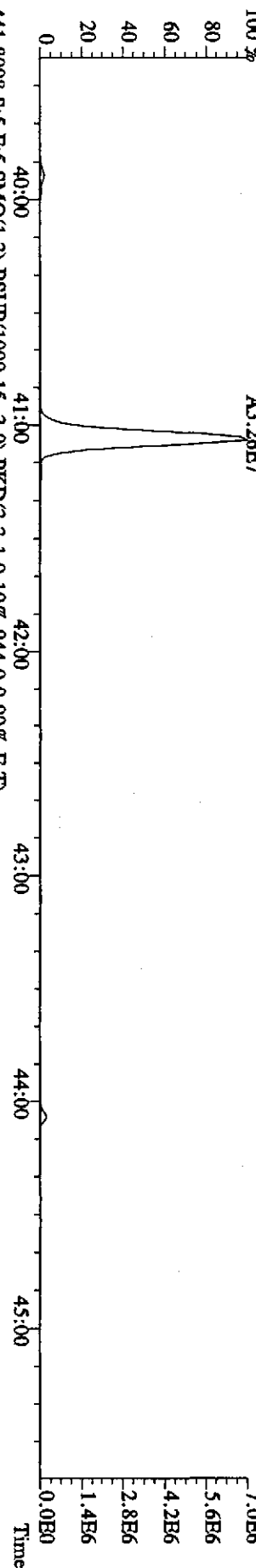
427.7635 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2424,0,0,00%,F,T)



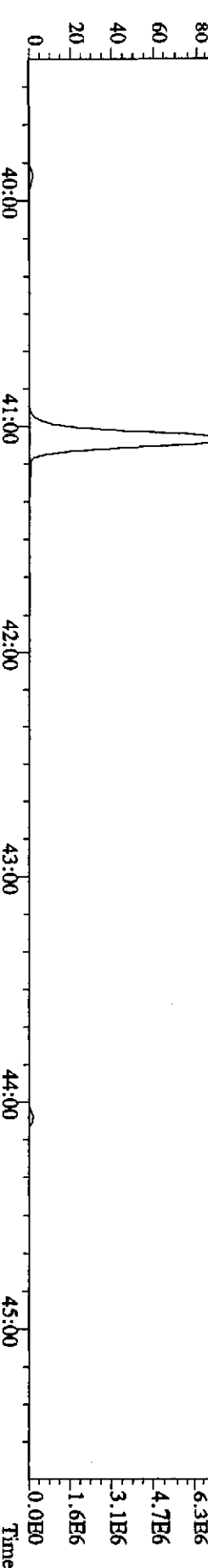
429.7606 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,3428,0,0,00%,F,T)



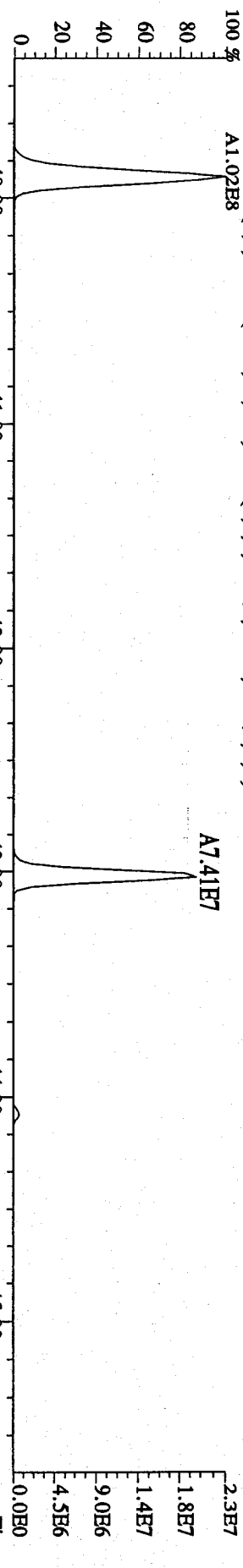
439.8038 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,320,0,0,00%,F,T)



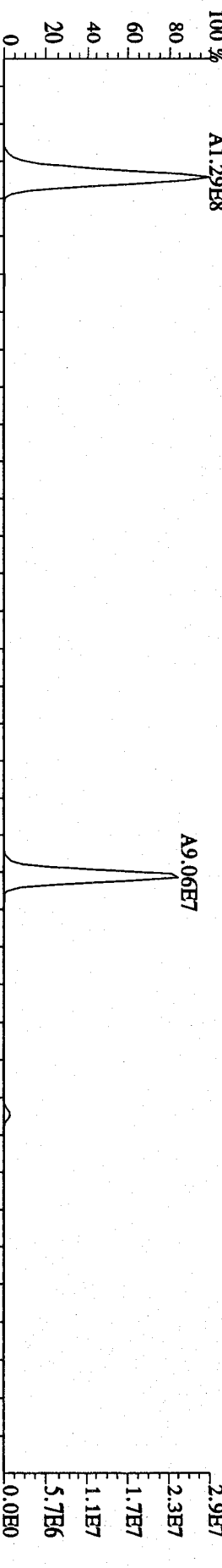
441.8008 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,944,0,0,00%,F,T)



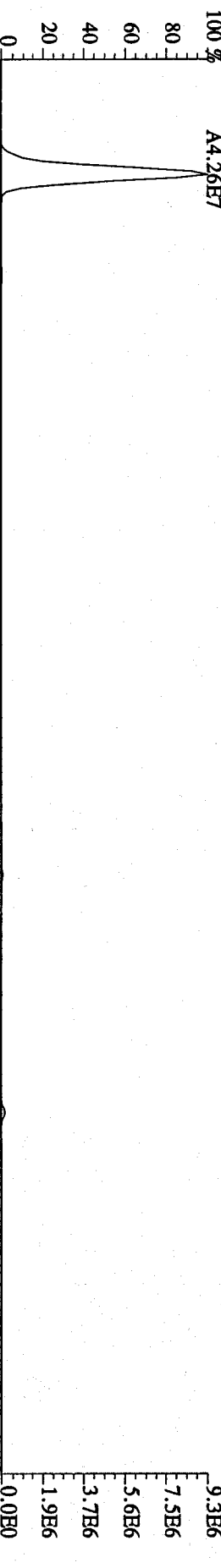
461.7245 S:5 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3.3,1.0,10%,788.0,0.00%,F,T)



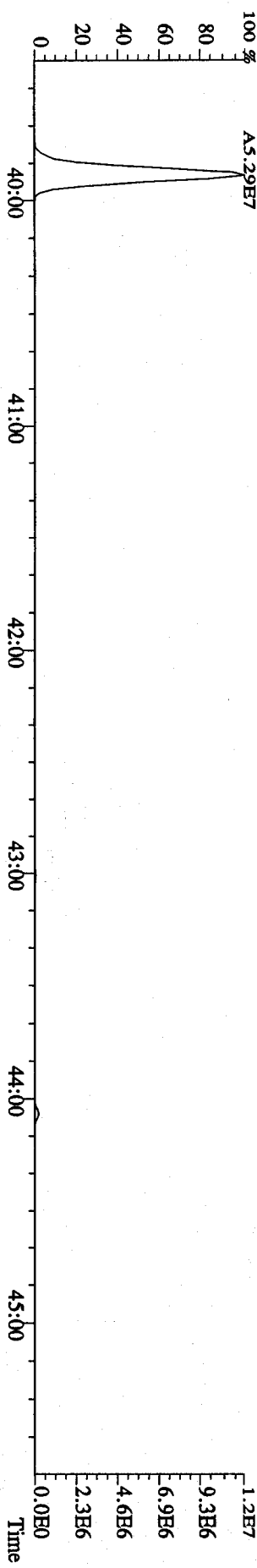
463.7216 S:5 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3.3,1.0,10%,908.0,0.00%,F,T)



473.7648 S:5 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3.3,1.0,10%,392.0,0.00%,F,T)

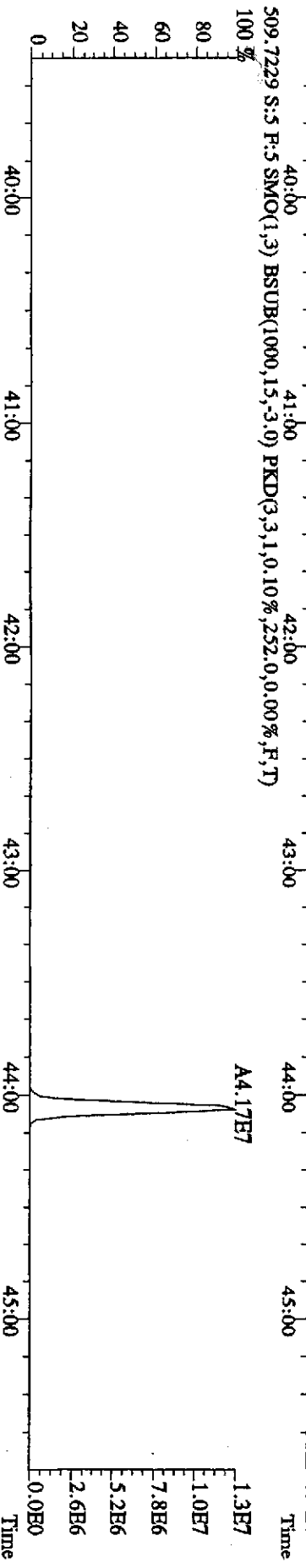
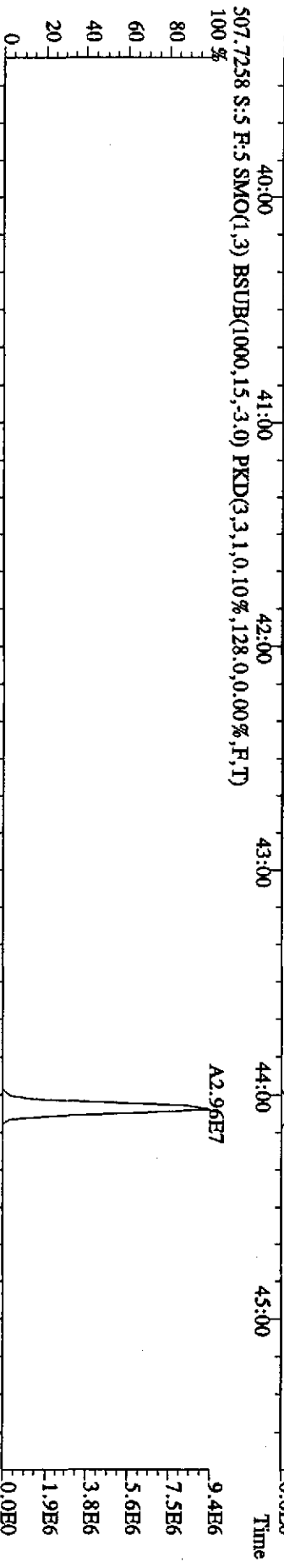
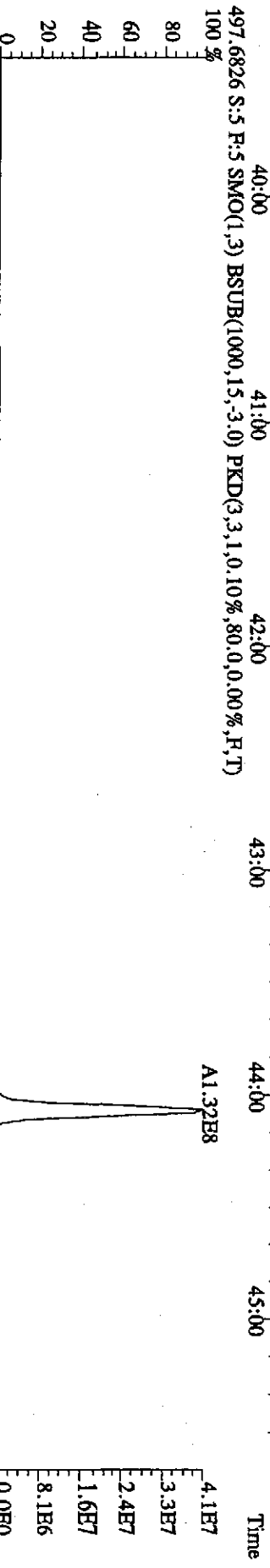
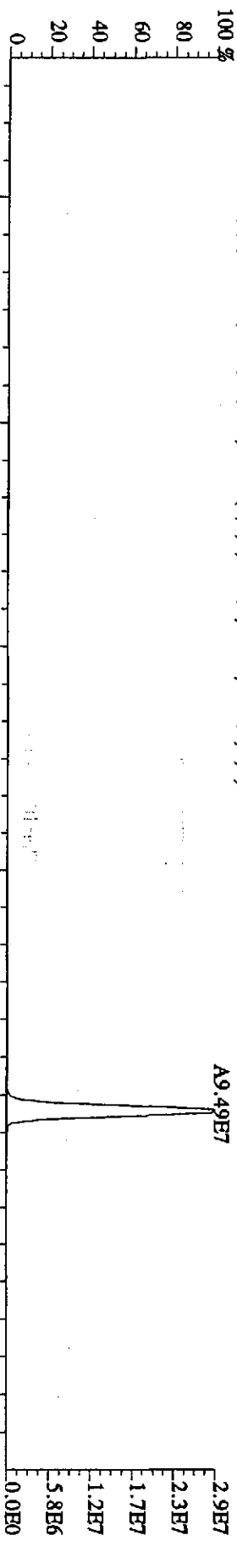


475.7619 S:5 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(3.3,1.0,10%,688.0,0.00%,F,T)



File: 16DE09EB9D5 #1-418 Acq: 16-DEC-2009 17:26:45 GC-EL+ Voltage SIR Autospec-Ultimat

Sample# 5 Text: ST1216D :CS4 09DXN208 Exp: 209DB5

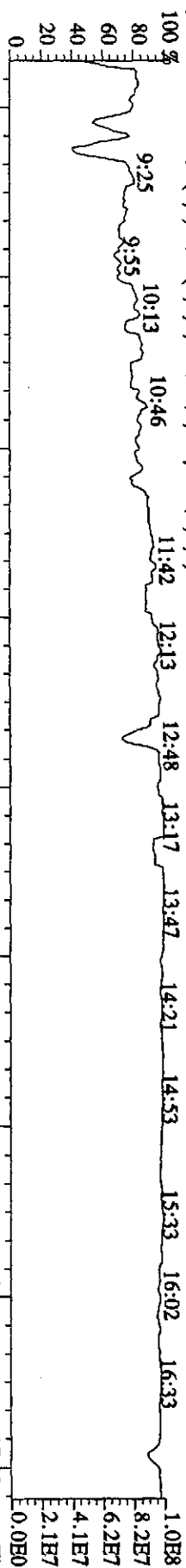




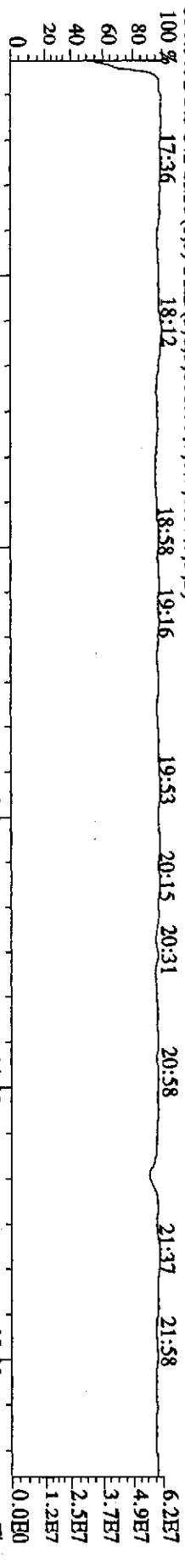
File:16DE09E9D5 #1-516 Acq:16-DEC-2009 17:26:45 GC EI+ Voltage SIR Autospec-UltimaE

Sample#5 Text:ST1216D :CS4 09DXN208 Exp:209DB5

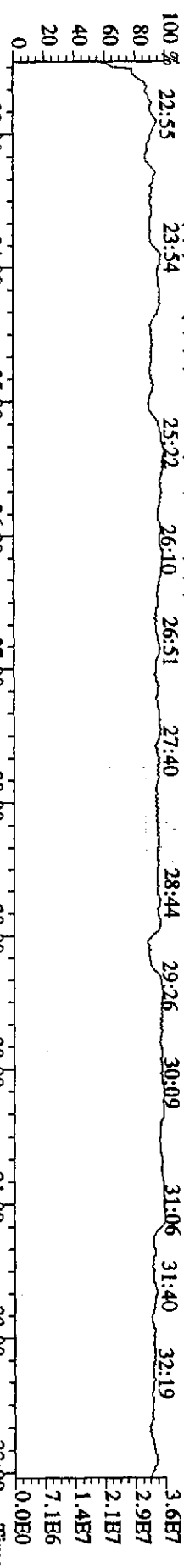
218.9856 S:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



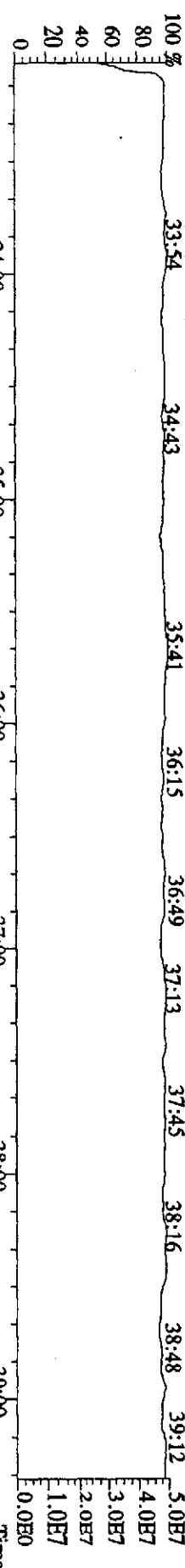
330.9792 S:5 F:2 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



380.9760 S:5 F:3 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



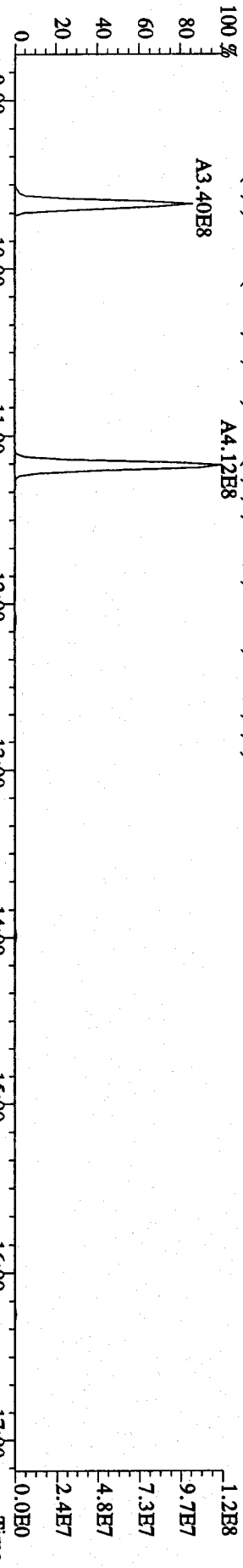
380.9760 S:5 F:4 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



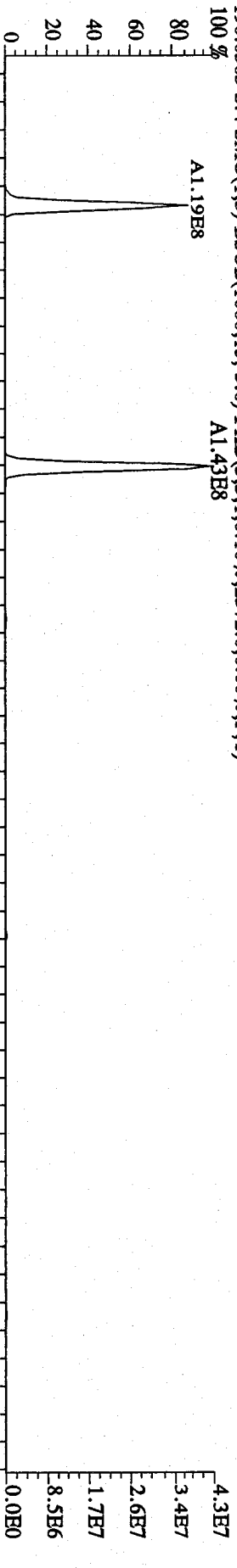
480.9696 S:5 F:5 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,F)



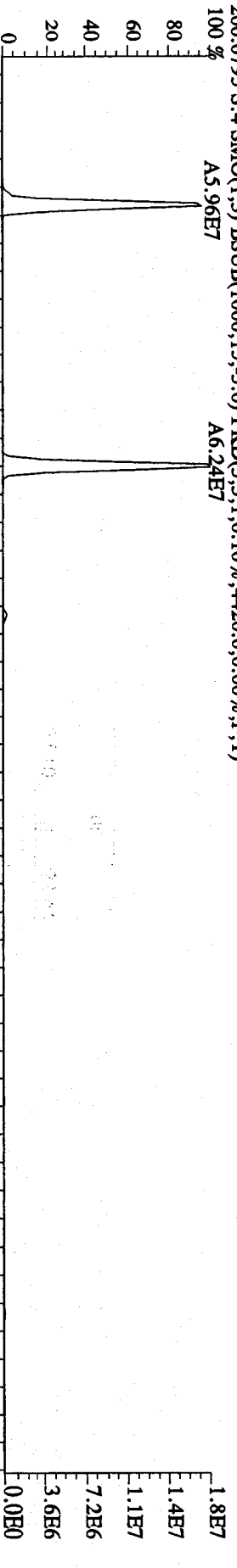
File: 16DB09E9D5 #1-516 Acq: 16-DEC-2009 16:35:23 GC FI + Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST1216C :CS5 09DXN209 Exp: 209DB5  
 188:0393 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4312.0,0.00%,F,T)  
 100%



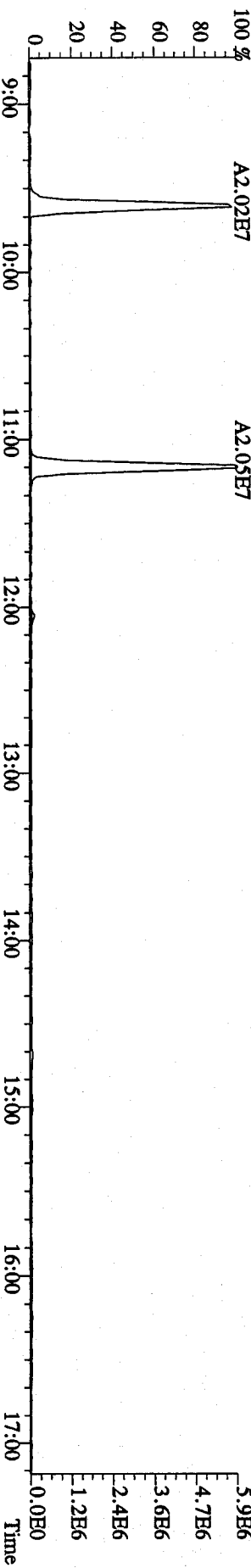
190.0363 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2372.0,0.00%,F,T)  
 100%



200.0795 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4420.0,0.00%,F,T)  
 100%

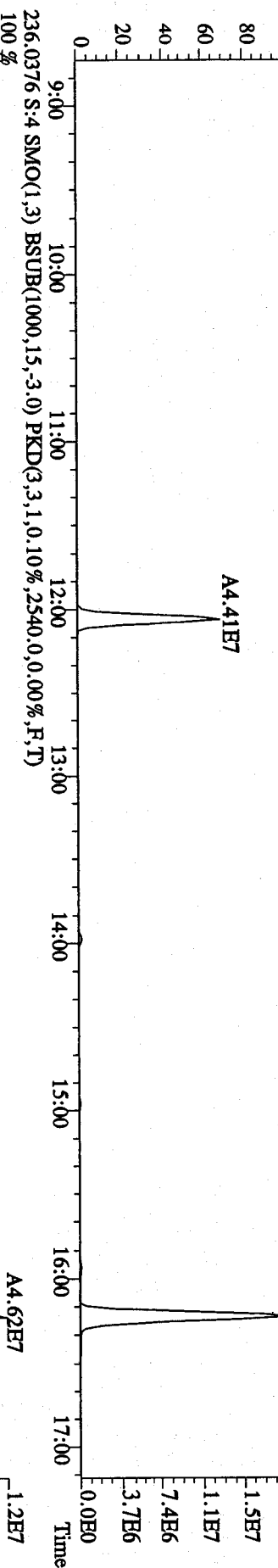
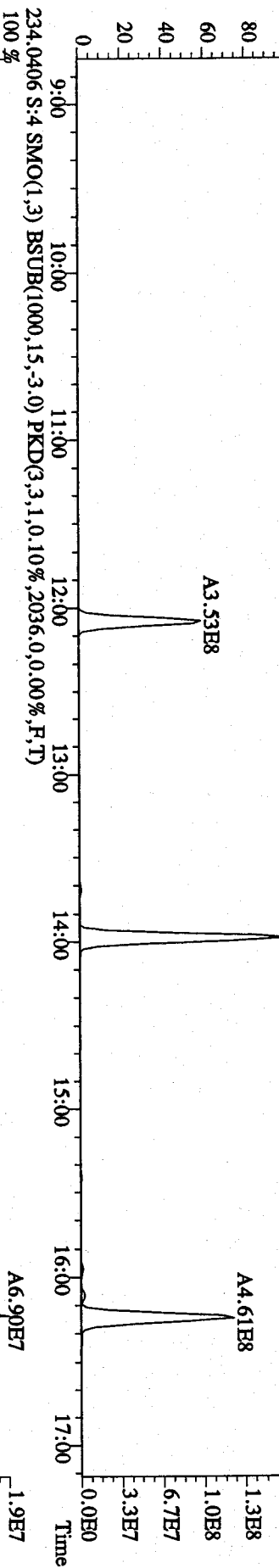
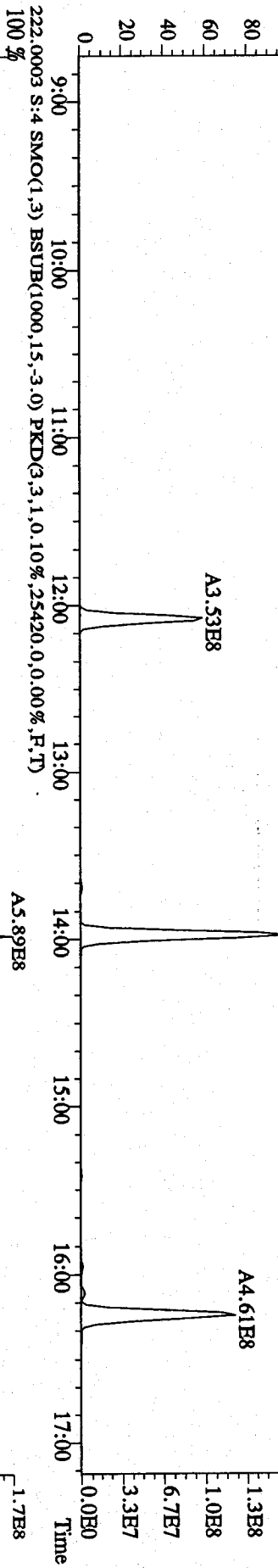


202.0766 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,45340.0,0.00%,F,T)  
 100%

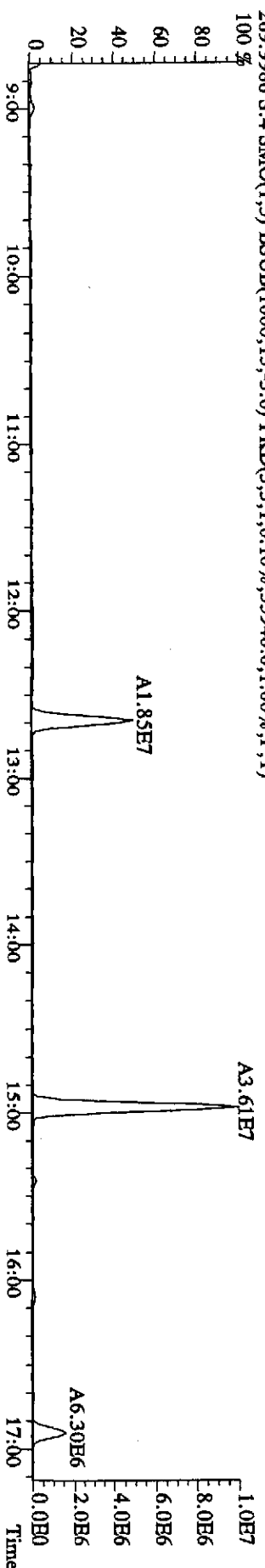
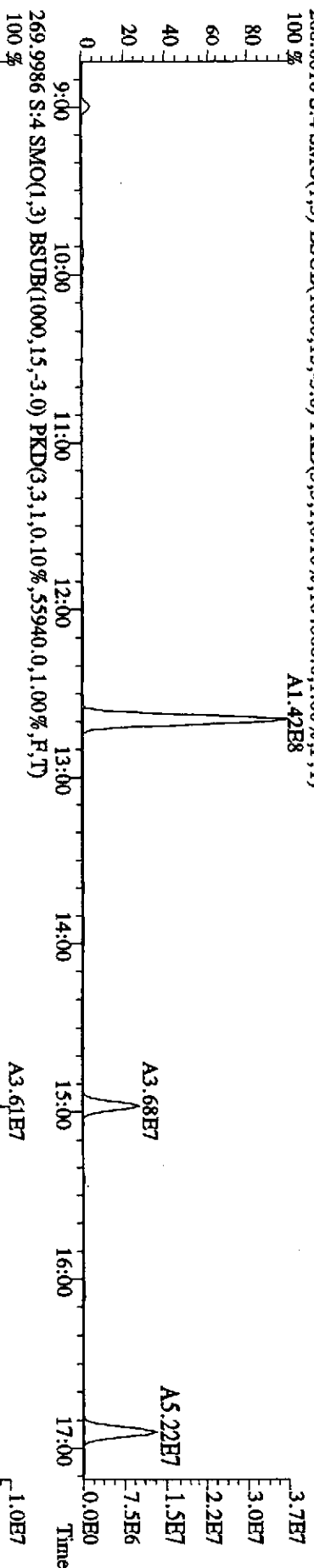
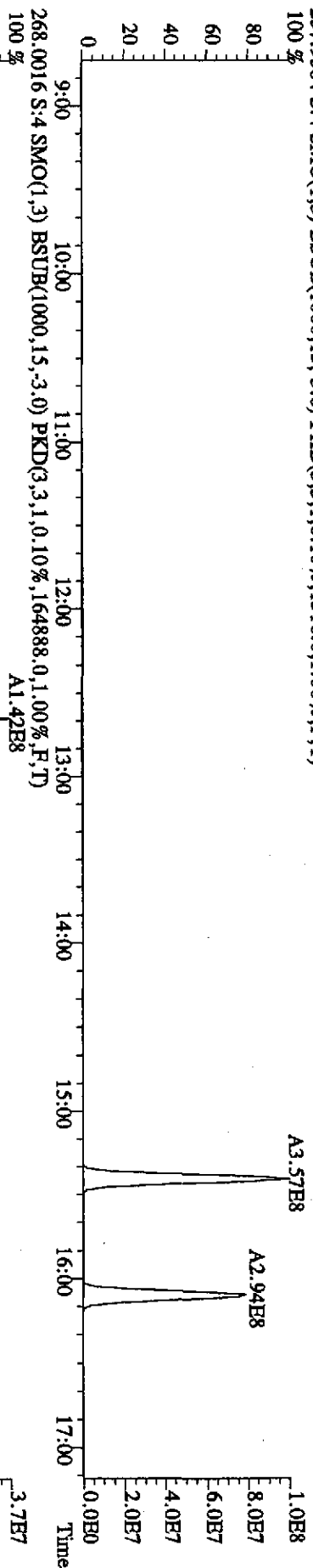
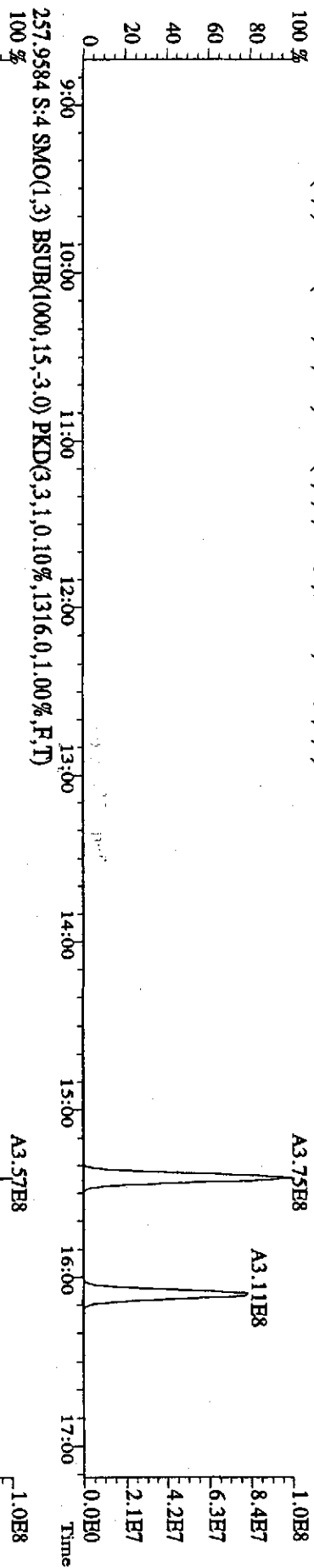


Sample#4 Text: ST1216C :CSS 09DXN209 Exp: 209DB5

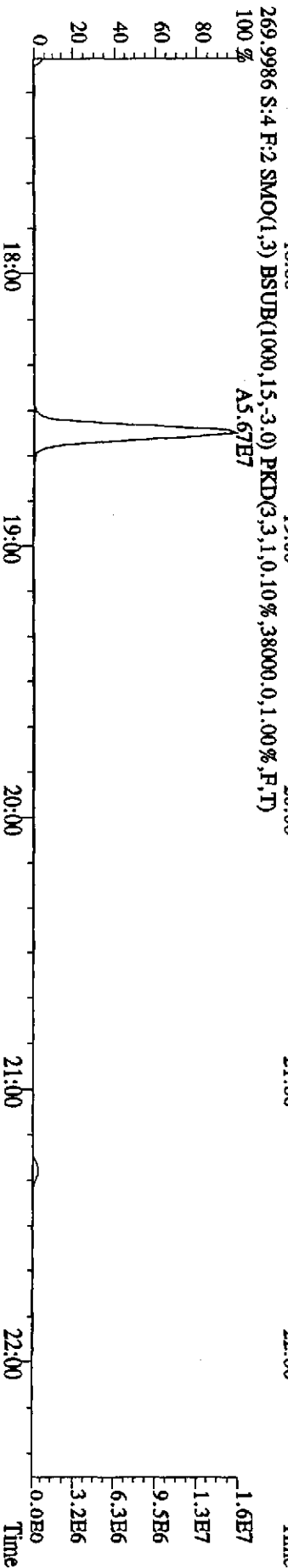
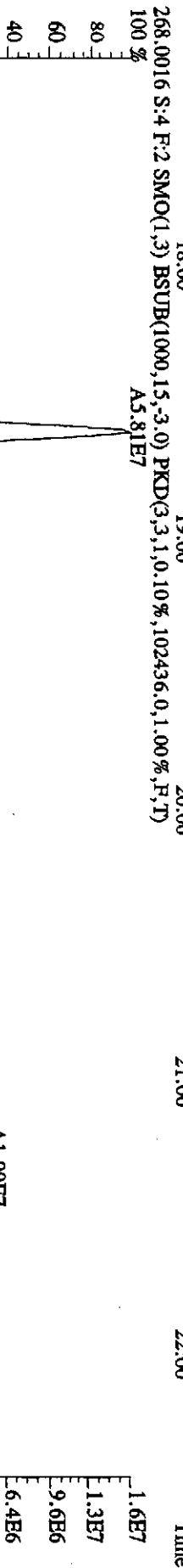
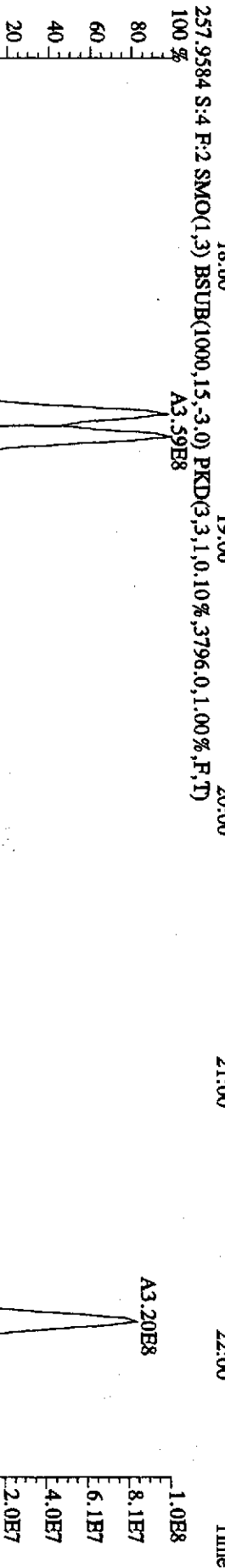
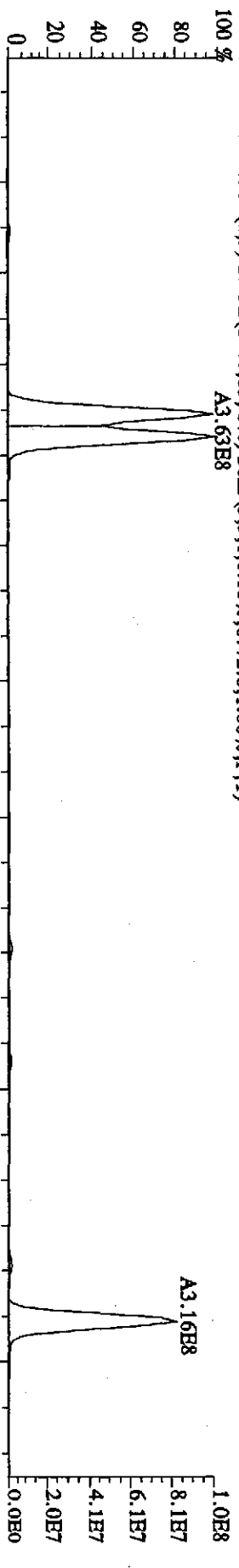
222.0003 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,25420,0,0,00%,F,T)



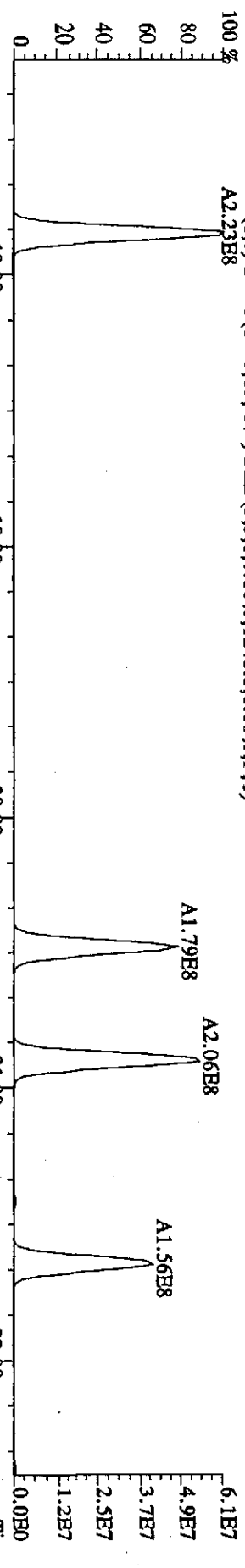
File:16DDE09E9D5 #1-516 Acq:16-DEC-2009 16:35:23 GC HI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text:ST1216C :CS5 09DDXN209 Exp:209DB5  
 255.9613 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1928.0,1.00%,F,T)



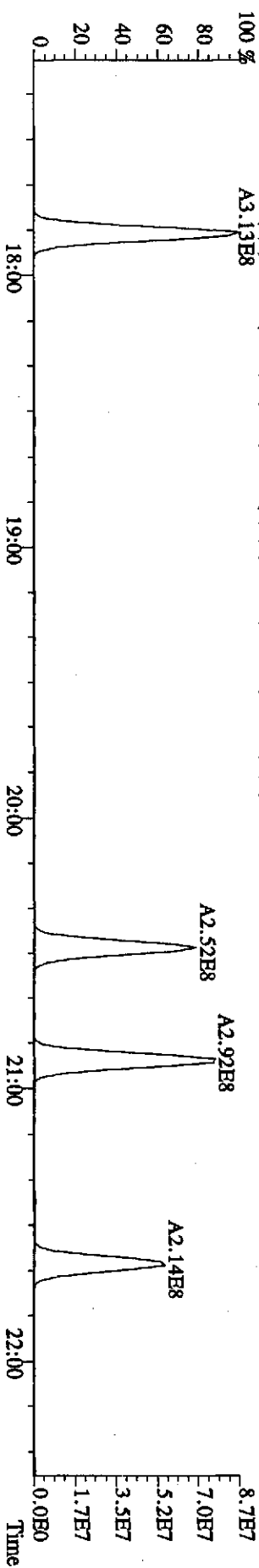
File:16DE09E9D5 #1-380 Acq:16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST1216C :CSS 09DXN209 Exp:209DB5  
 255.9613 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,6772.0,1.00%,F,T) 100%



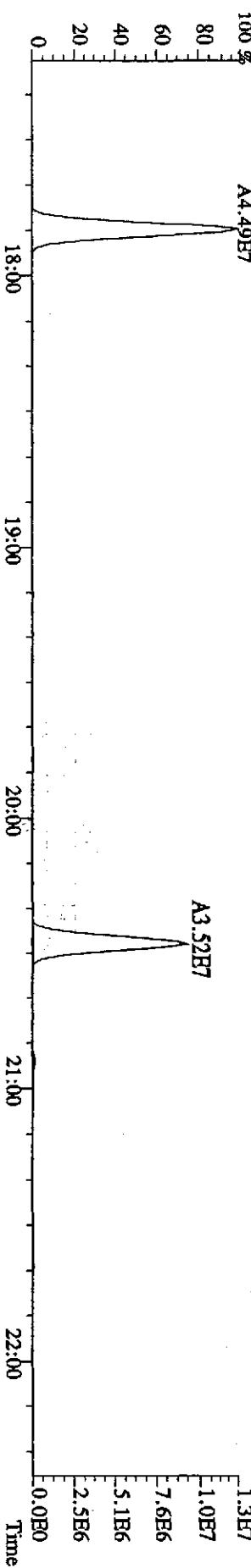
File: 16DE09E9D5 #1-380 Acq: 16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST1216C :CSS 09DXN209 Exp: 209DB5  
 289.9224 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1248,0,0,00%,F,T)  
 100 % A2.23E8



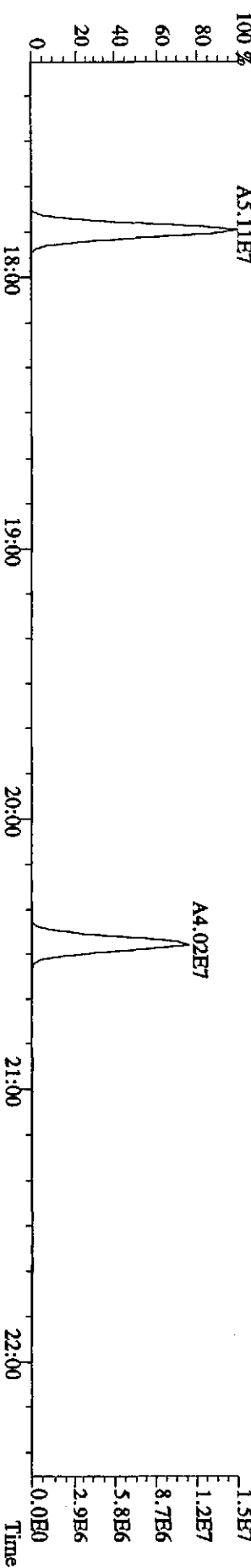
291.9194 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1600,0,0,00%,F,T)  
 100 % A3.13E8



301.9626 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1780,0,0,00%,F,T)  
 100 % A4.49E7

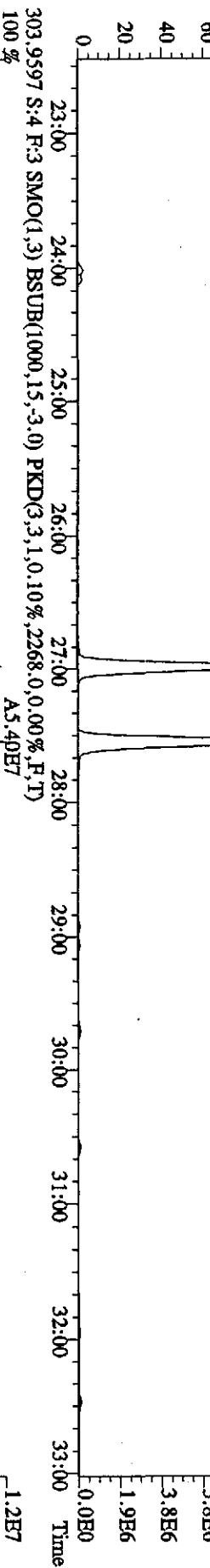
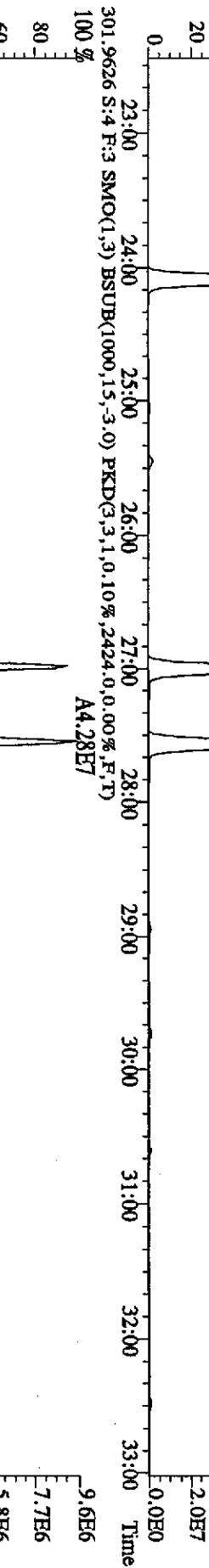
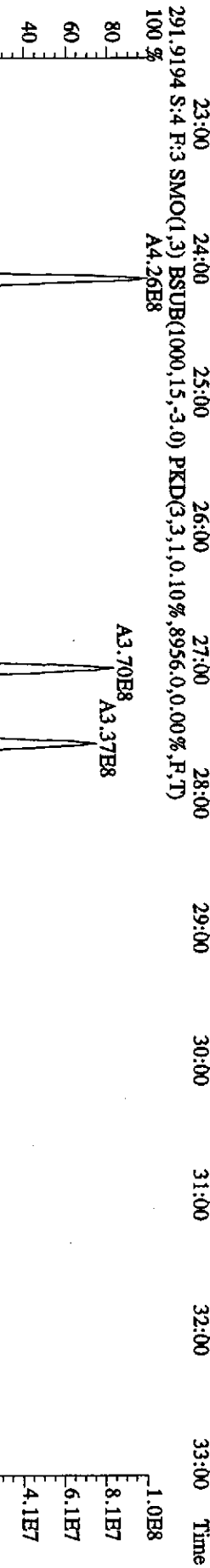
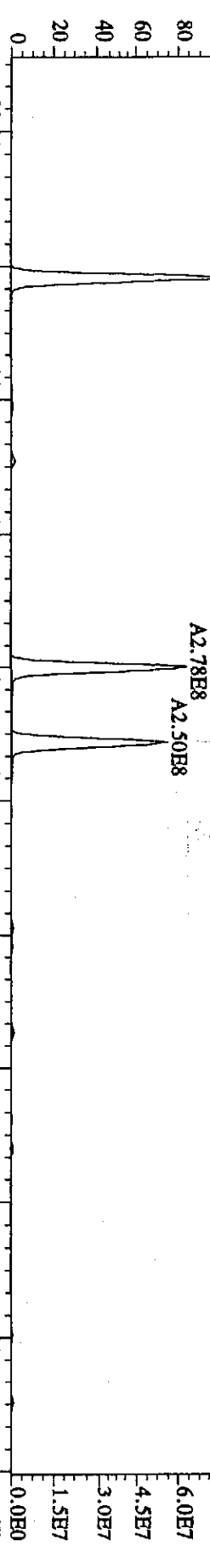


303.9597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1340,0,0,00%,F,T)  
 100 % A5.11E7

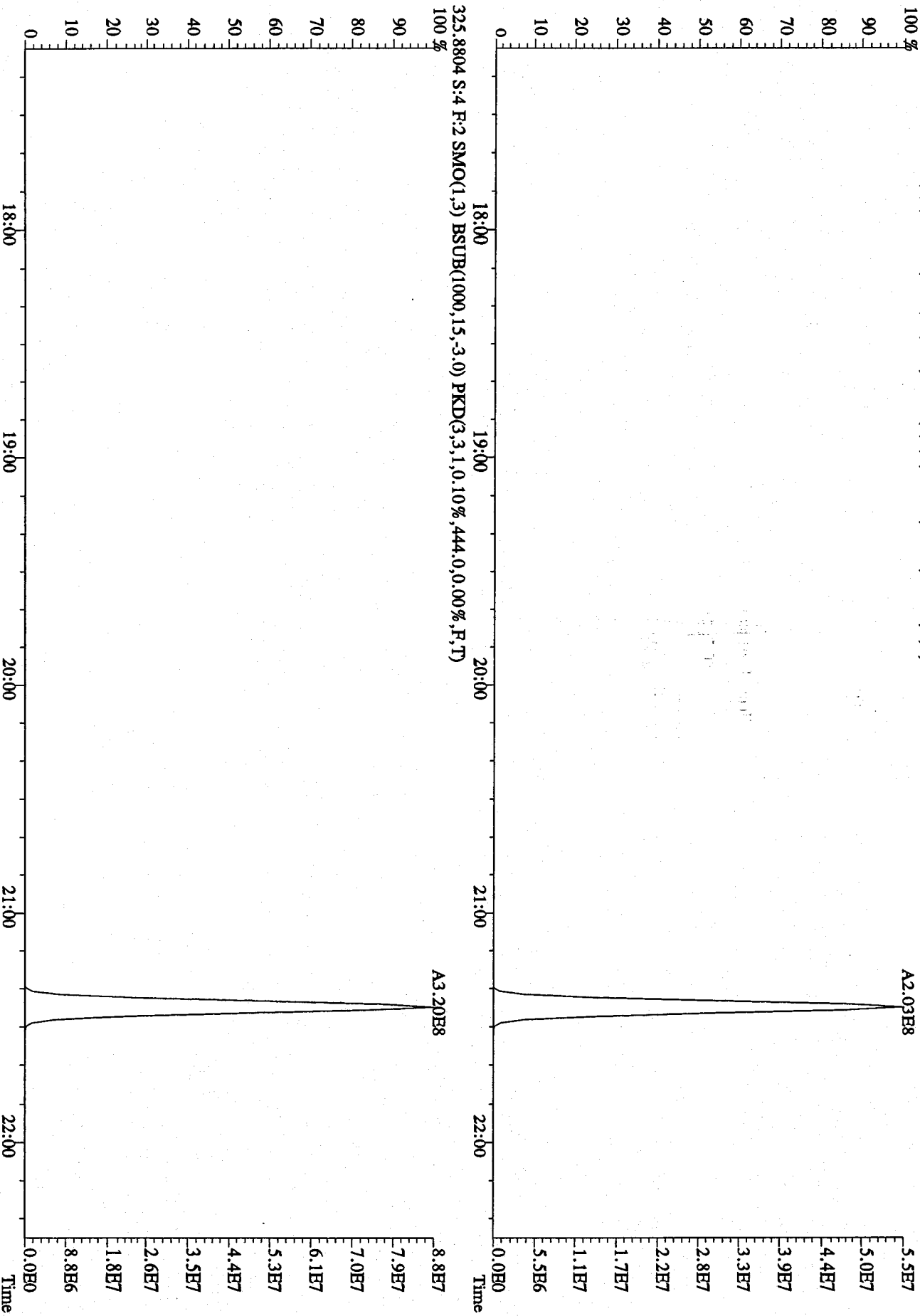


File:16DE09E9D5 #1-596 Acq:16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-Ultimate

Sample#4 Text:ST1216C :CSS 09DXN209 Exp:209DB5

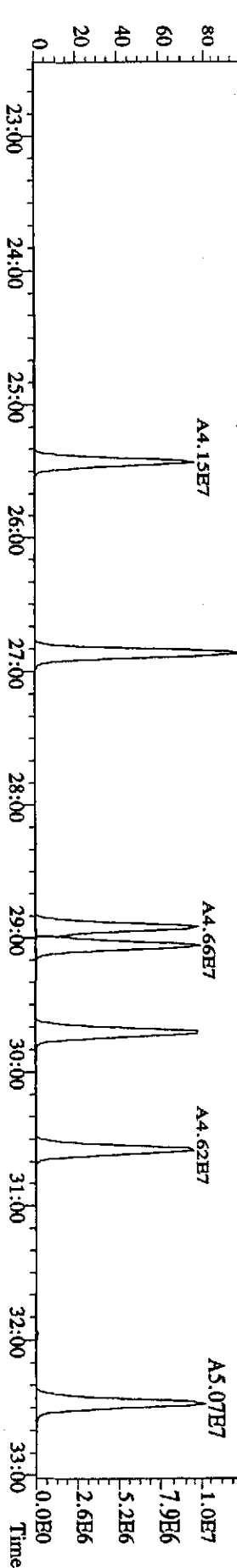
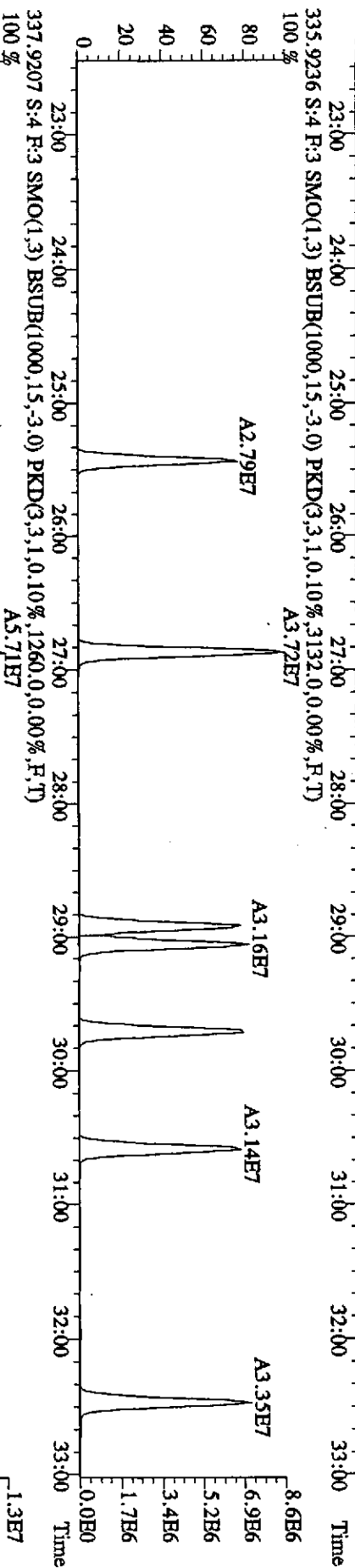
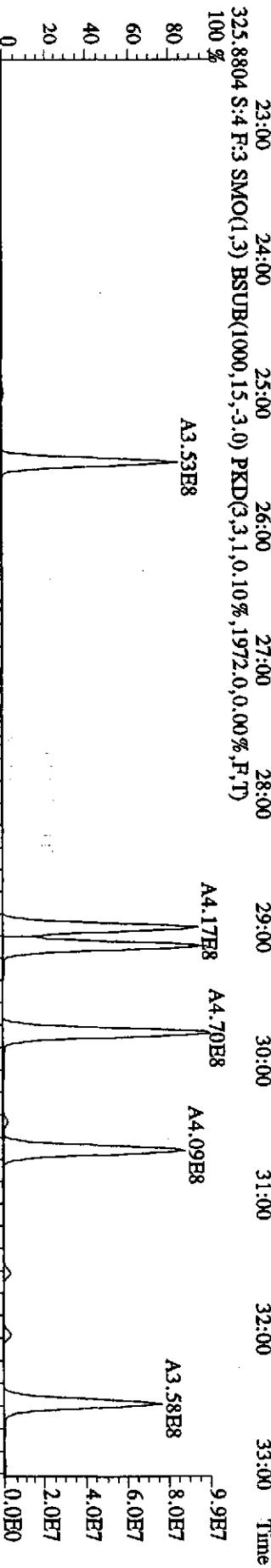
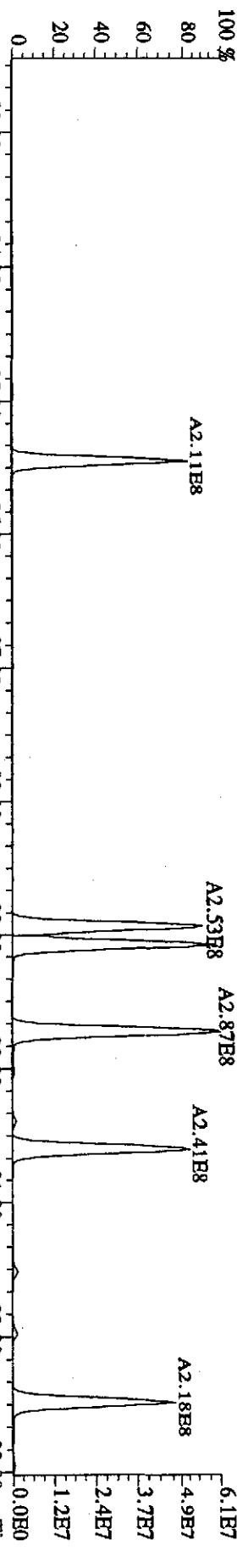


File: 16DB09E9D5 #1-380 Acq: 16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-UltimaE  
Sample#4 Text: ST1216C :CSS 09DXN209 Exp: 209DB5  
323.8834 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,444,0,0,00%,F,T)  
100%

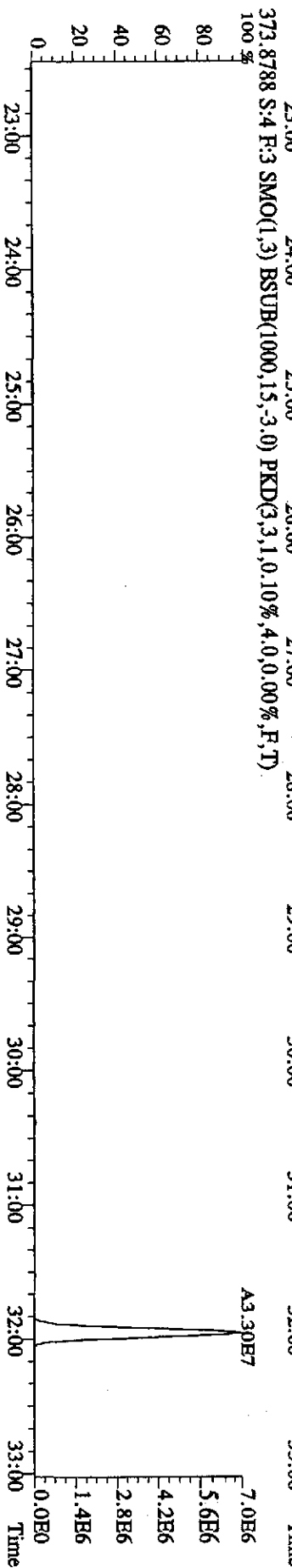
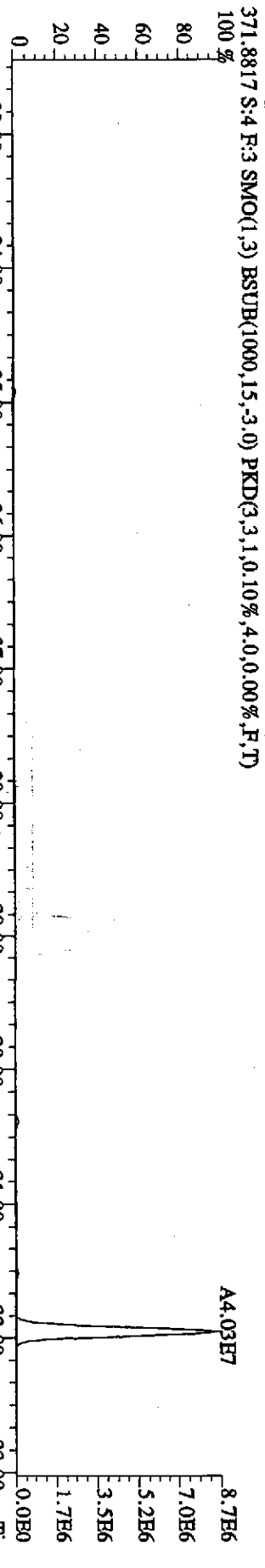
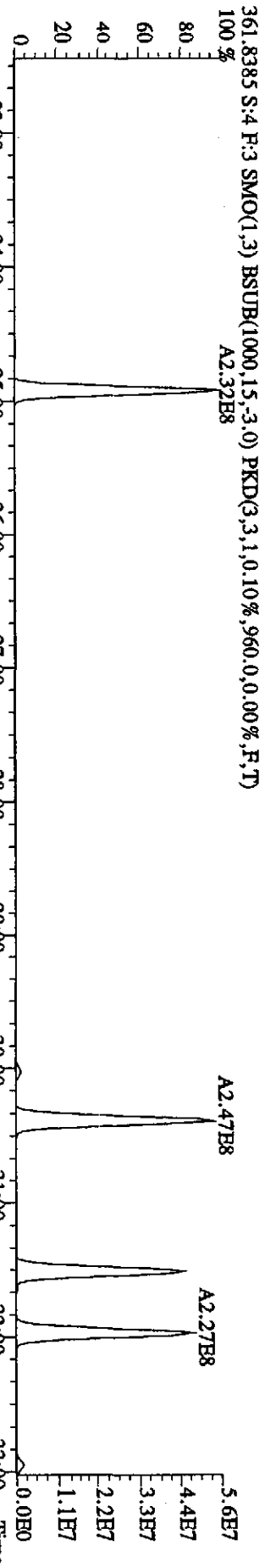
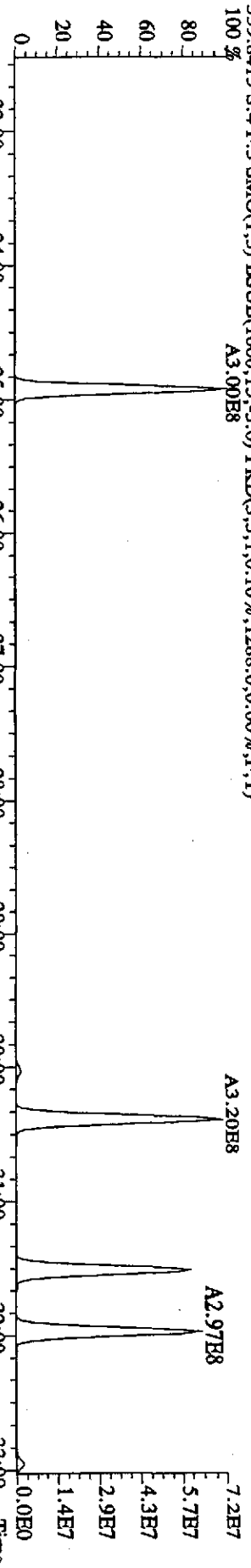




File: 16DE09E9D5 #1-596 Acq: 16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text: ST1216C : CSS 09DXN209 Exp: 209DB5  
 323.8834 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2140,0,0,00%,F,T)



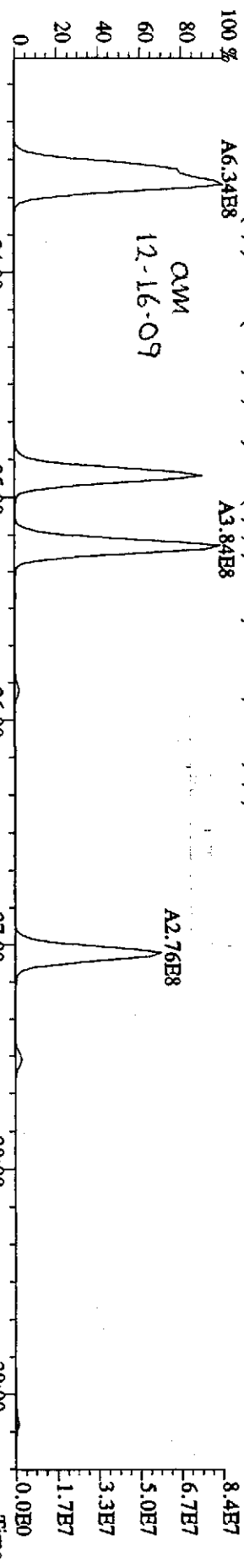
Sample#4 Text: ST1216C : CSS 09DXN209 Exp: 209DB5  
359.8415 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1288,0,0,00%,F,T)  
100% A3.90E8



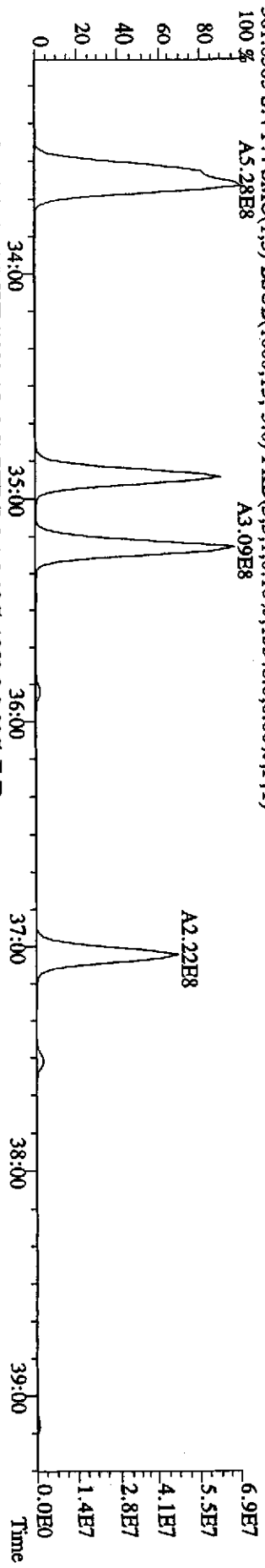
File: 16DBE09E9D5 #1-384 Acq: 16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-Ultimate

Sample#4 Text: ST1216C :CS5 09DXN209 Exp: 209DB5

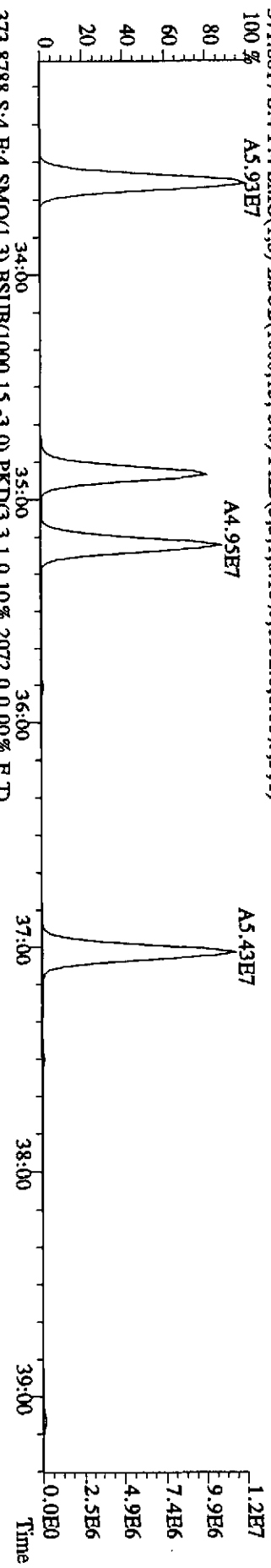
12-16-09



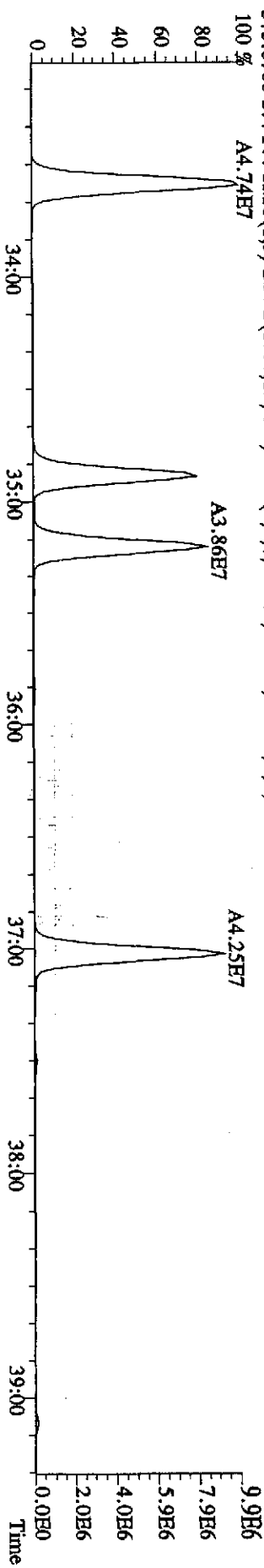
361.8385 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,15548,0,0,00%,F,T)



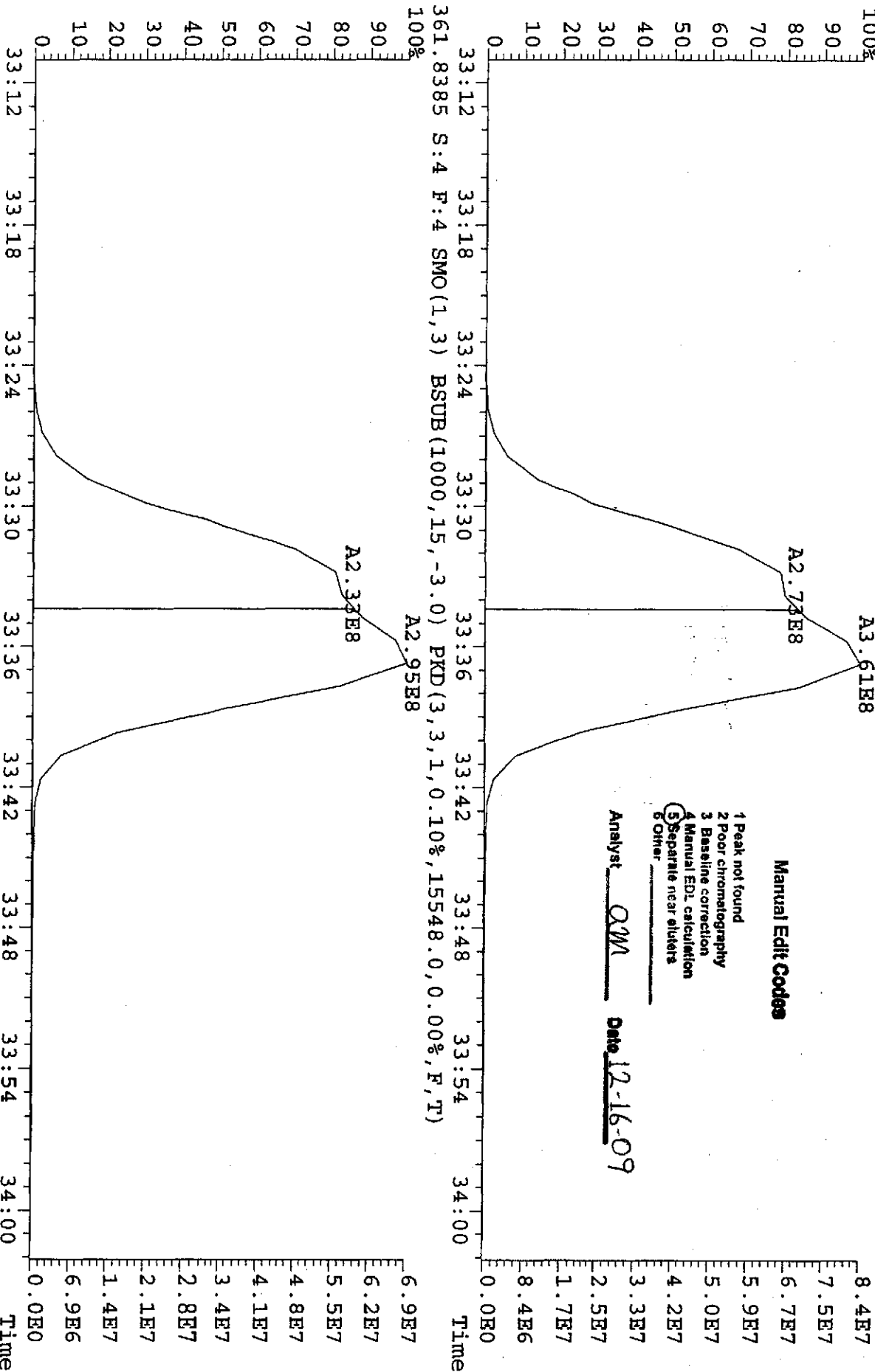
371.8817 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,1952,0,0,00%,F,T)



373.8788 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,2072,0,0,00%,F,T)



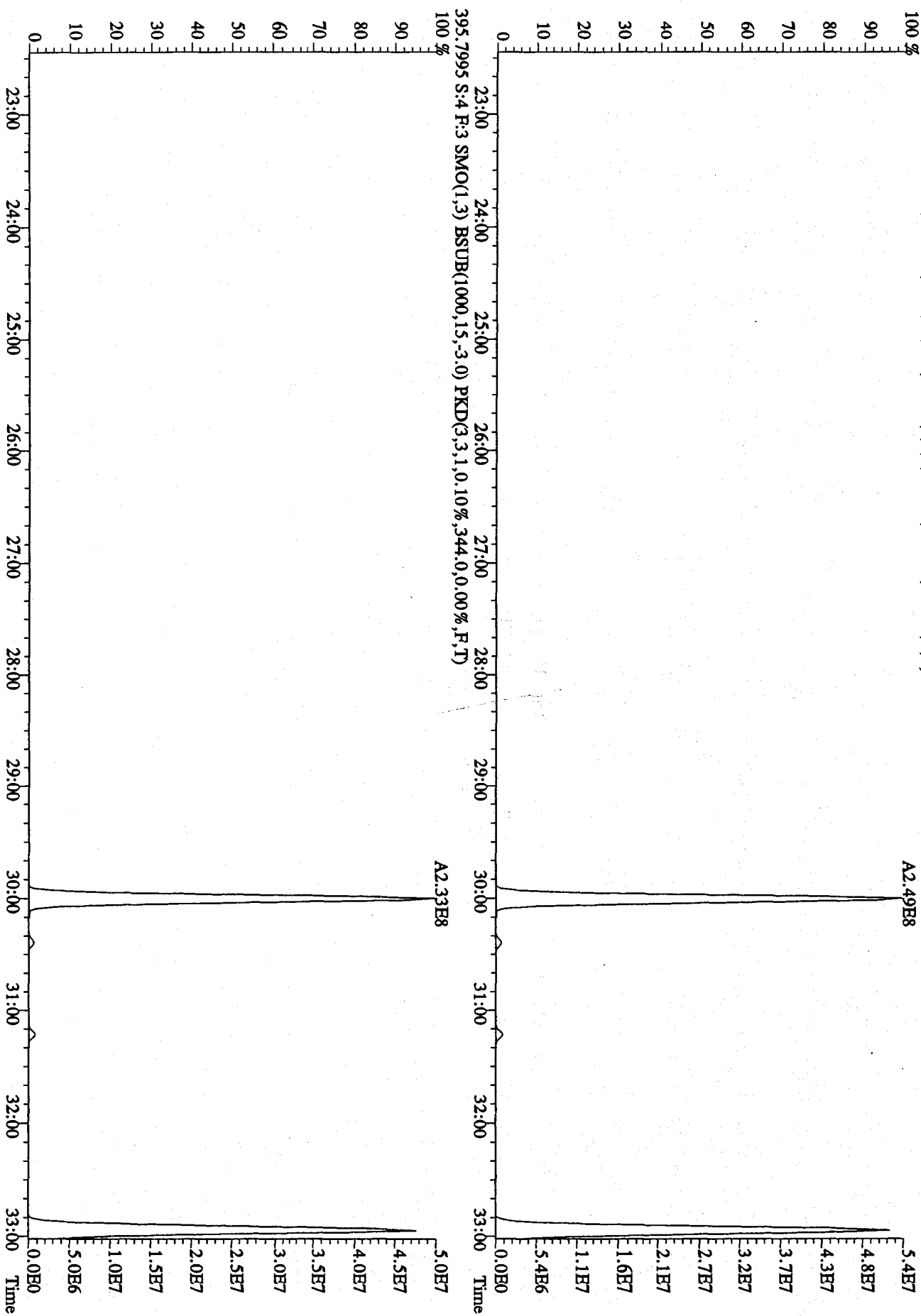
File: 16DE09E9D5 #1-384 Acq: 16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST1216C :CS5 09DXN209 Exp: 209DB5  
 359.8415 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,12576.0,0.00%,F,T)



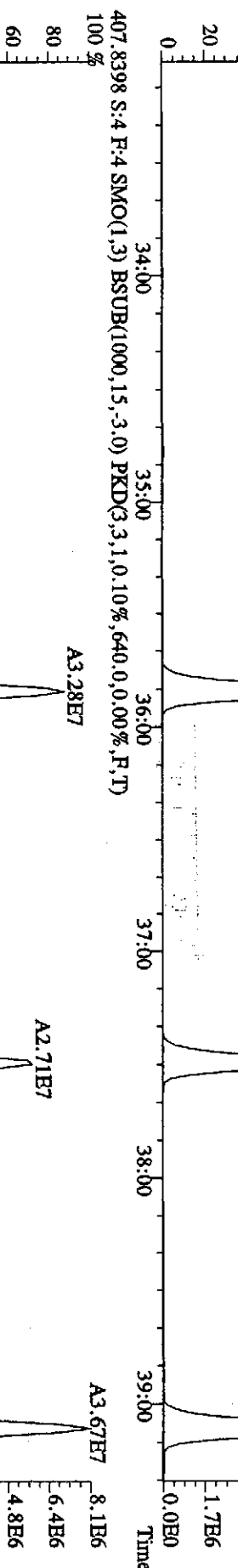
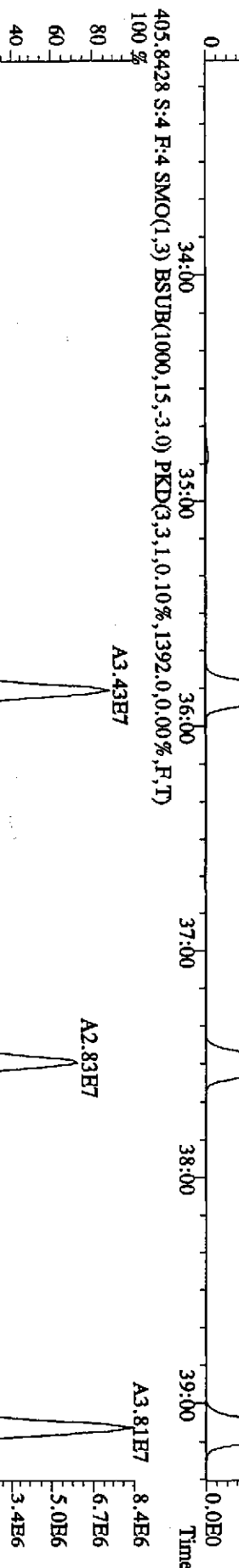
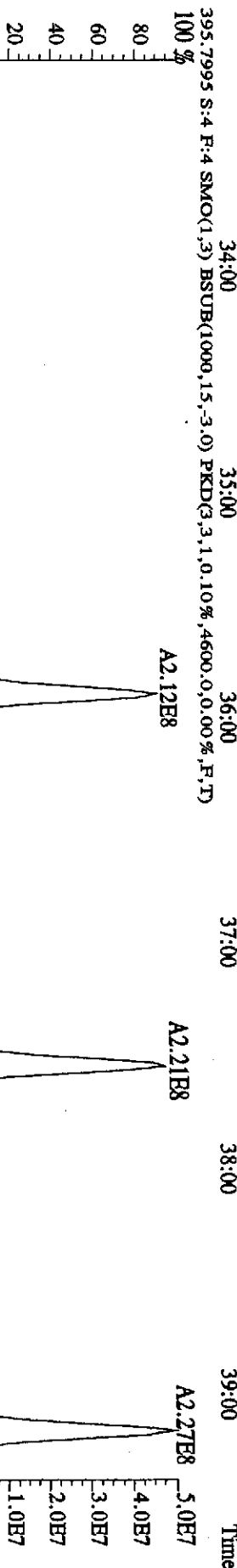
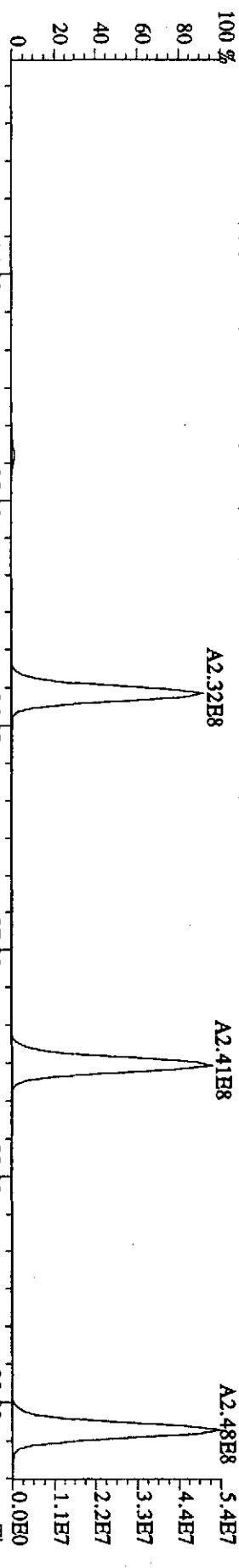
- Manual Edit Codes**
- 1 Peak not found
  - 2 Poor chromatography
  - 3 Baseline correction
  - 4 Manual EDL calculation
  - 5 Separate near eluters
  - 6 Other

Analyst QWM Date 12-16-09

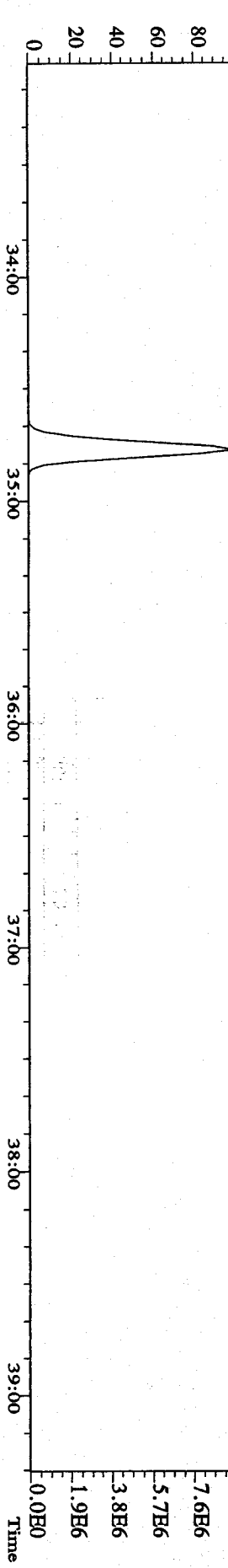
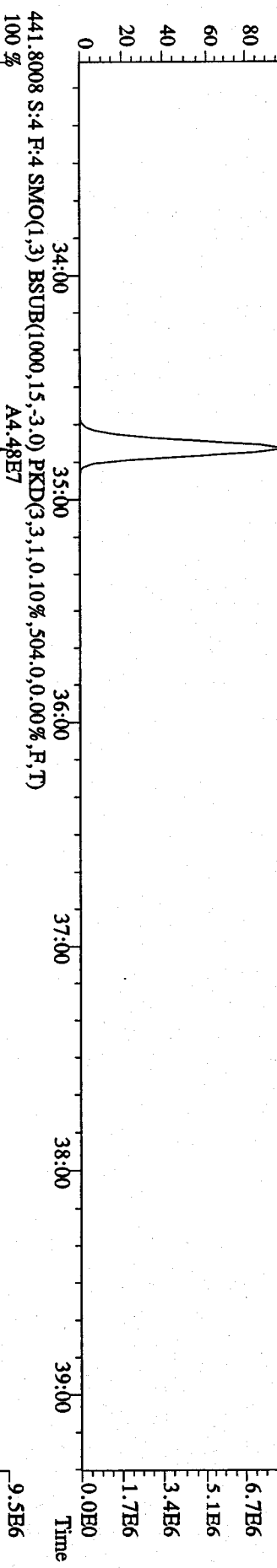
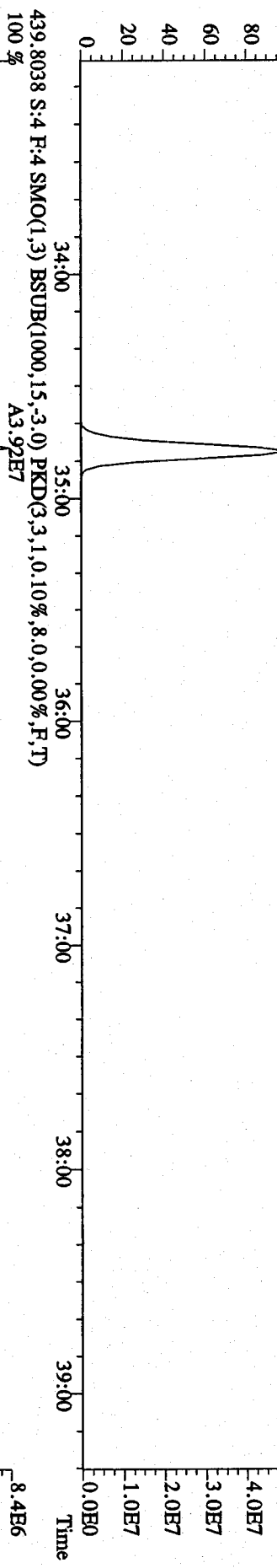
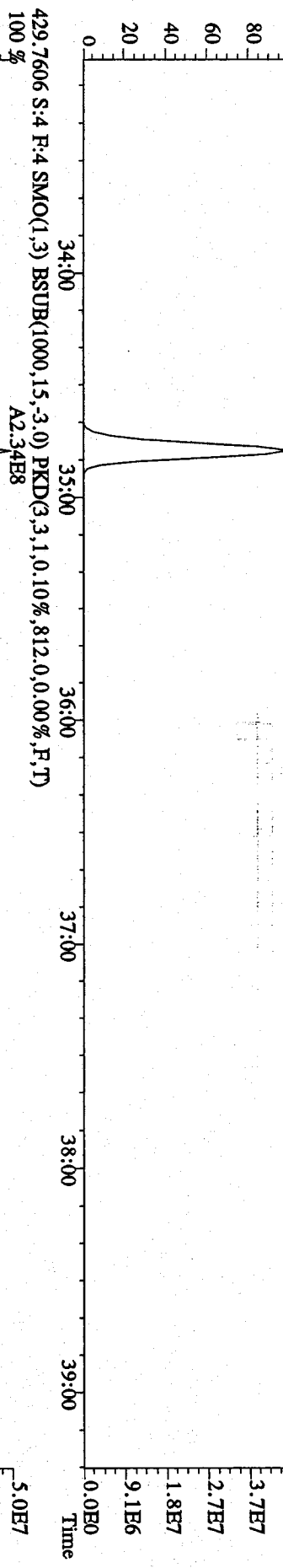
File: 16DE09E9D5 #1-596 Acq: 16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#4 Text: ST1216C : CSS 09DXN209 Exp: 209DB5  
393.8025 S: 4 F: 3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1500.0,0.00%,F,T)  
100%



File:16DE09B9D5 #1-384 Acq:16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text:ST1216C :CSS 09DXN209 Exp:209DB5  
 393.8025 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0.10%,5340.0,0.00%,F,T)



File: 16DBE09E9D5 #1-384 Acq: 16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST1216C : CSS 09DDXN209 Exp: 209DB5  
 427.7635 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,744,0,0,00%,F,T)  
 100% A2.11E8

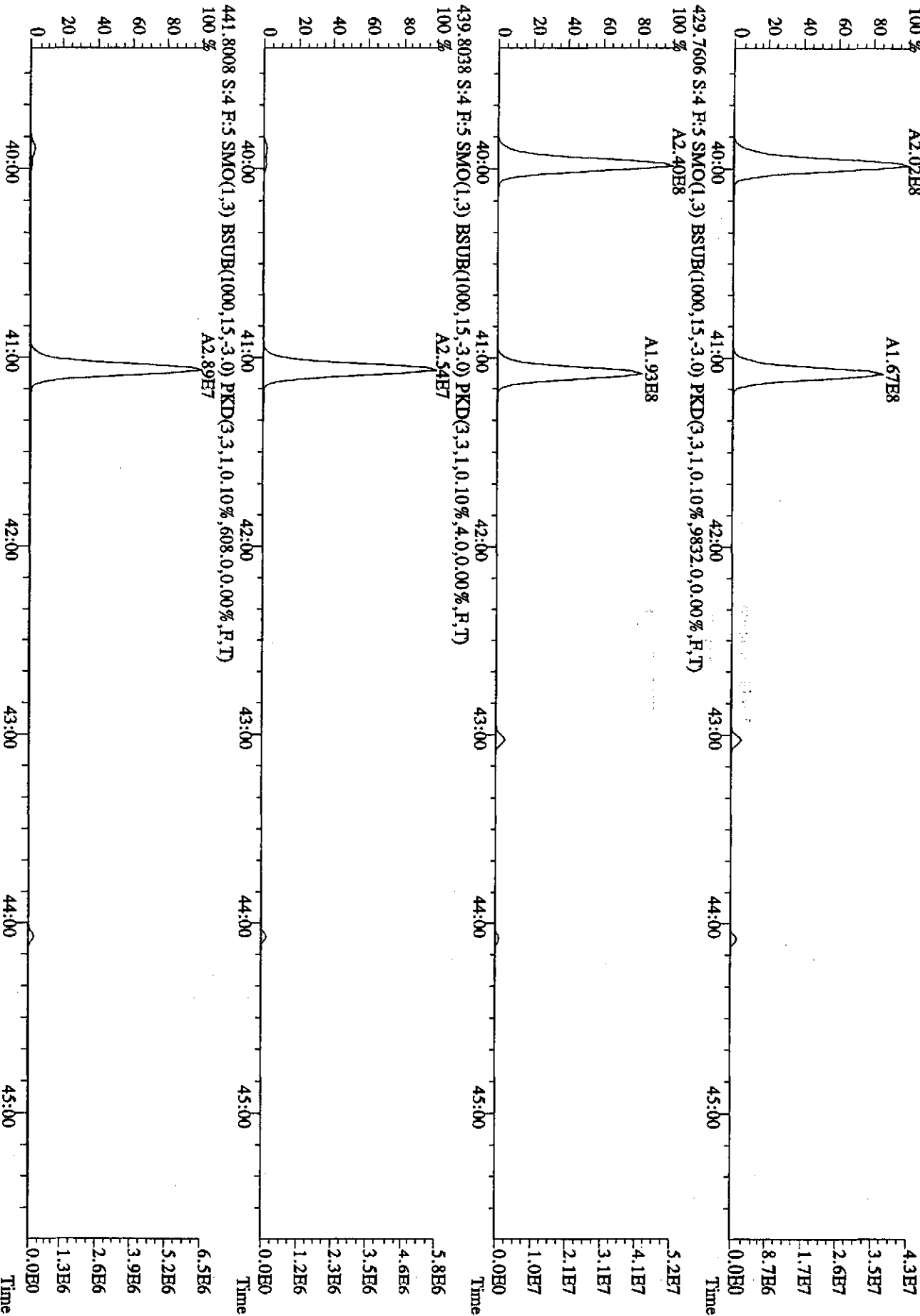


File:16DE09E9D5 #1-419 Acq:16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-Ultimate

Sample#4 Text:ST1216C :CSS 09DXN209

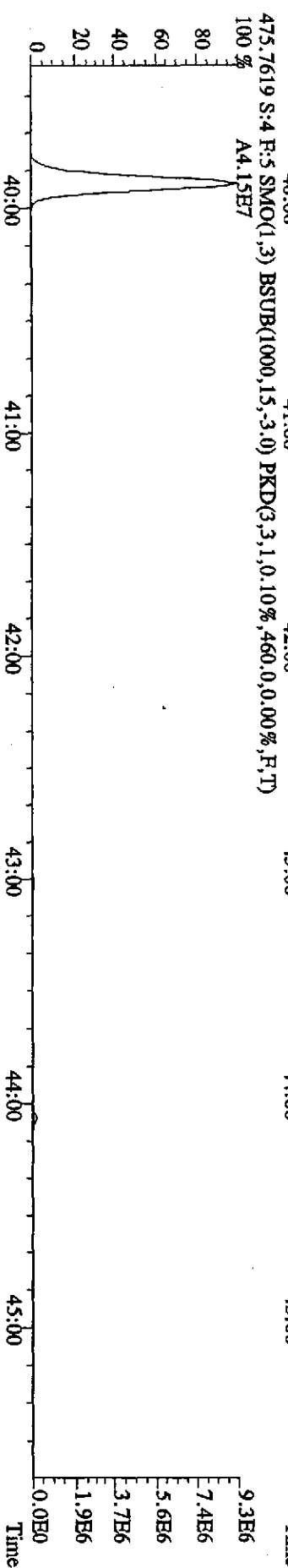
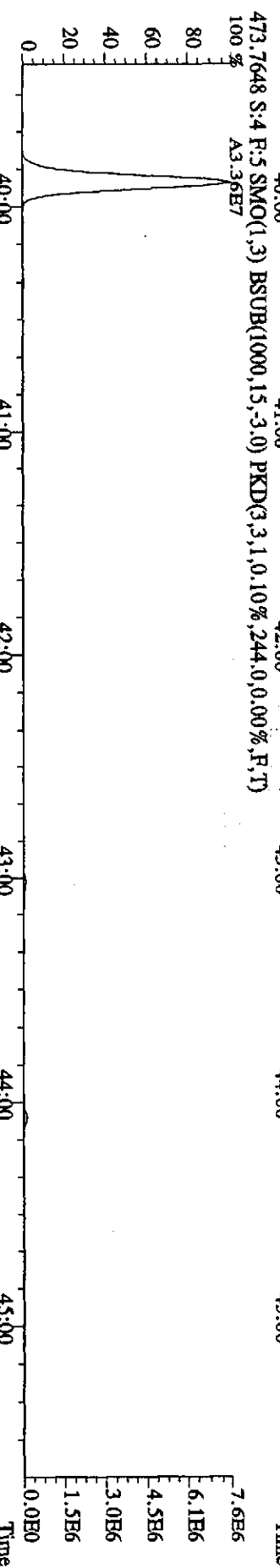
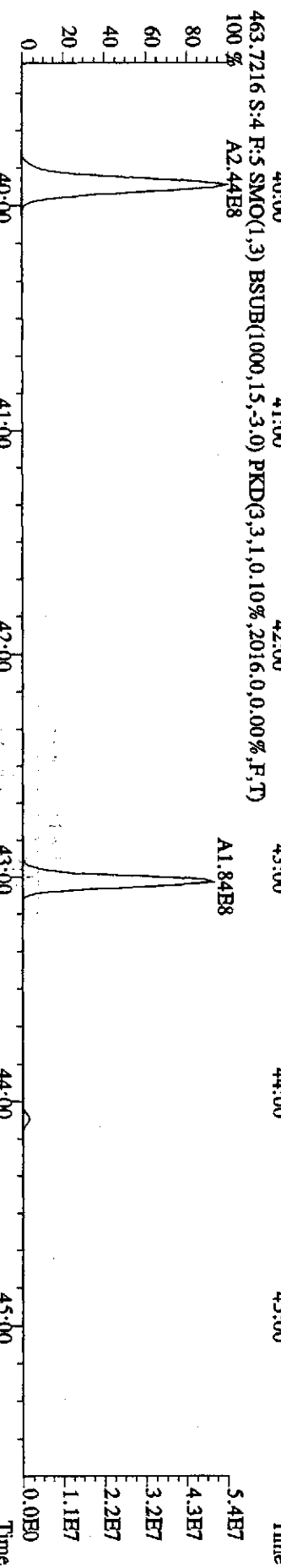
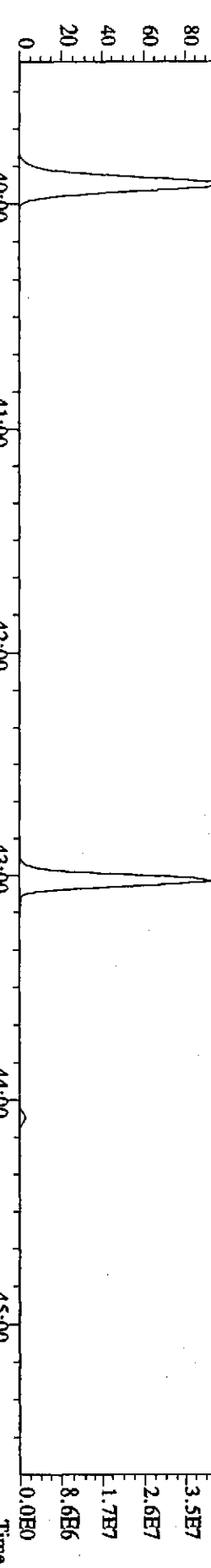
Exp:209DB5

427.7635 S:4 F:5 SMO(1,3) BSUB(1000,15,3.0) PKD(3,3,1,0.10%,4936,0,0.00%,F,T)

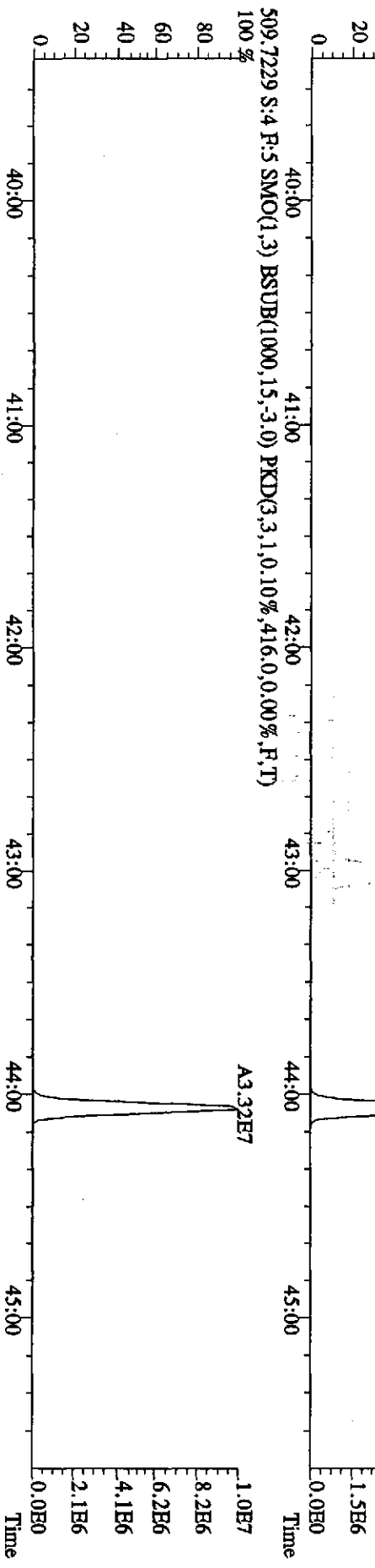
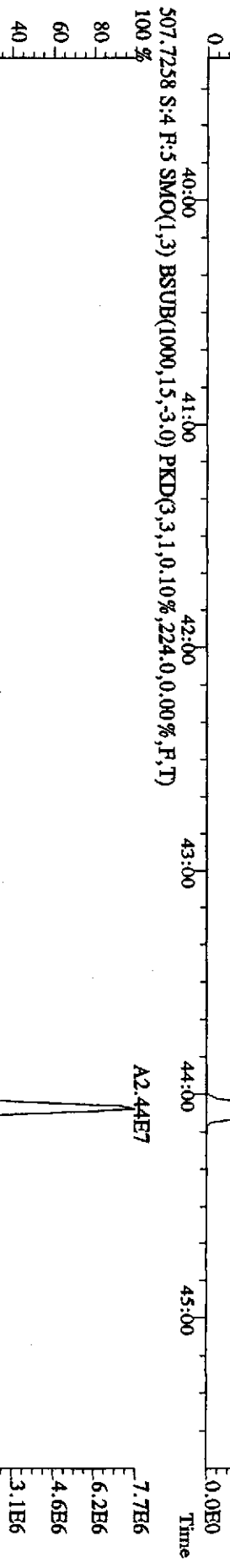
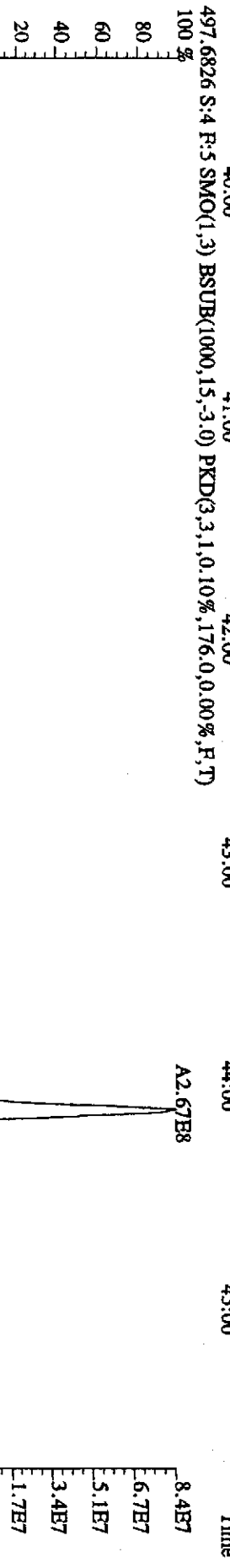
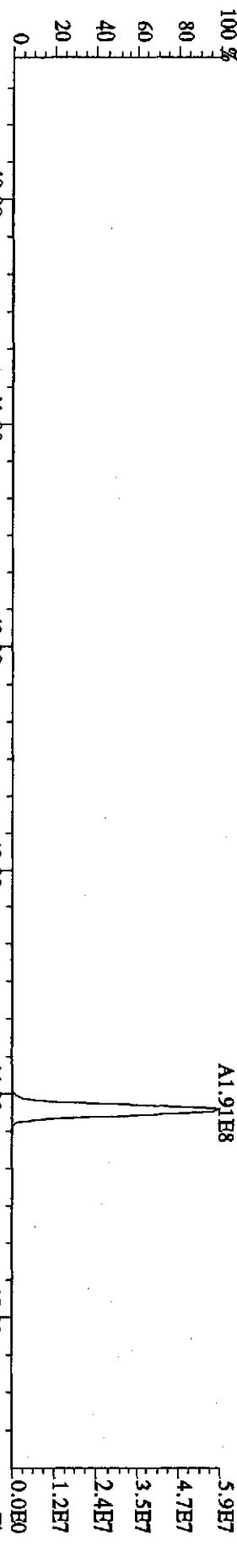




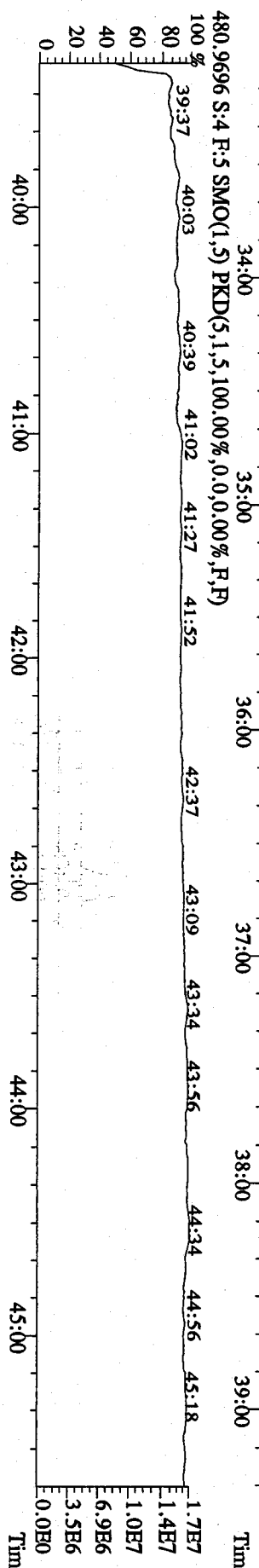
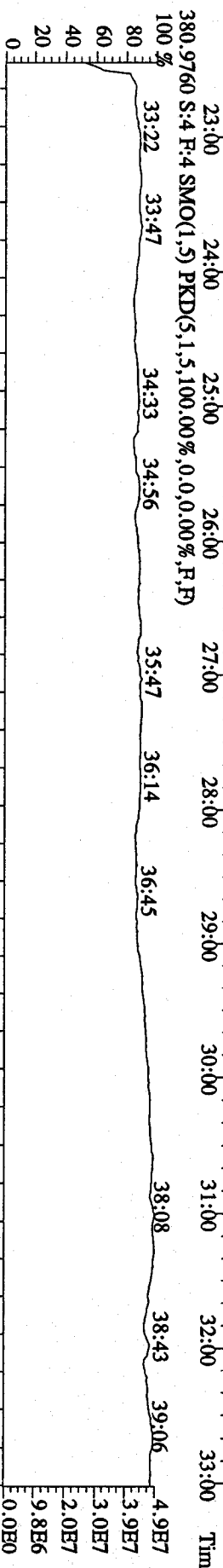
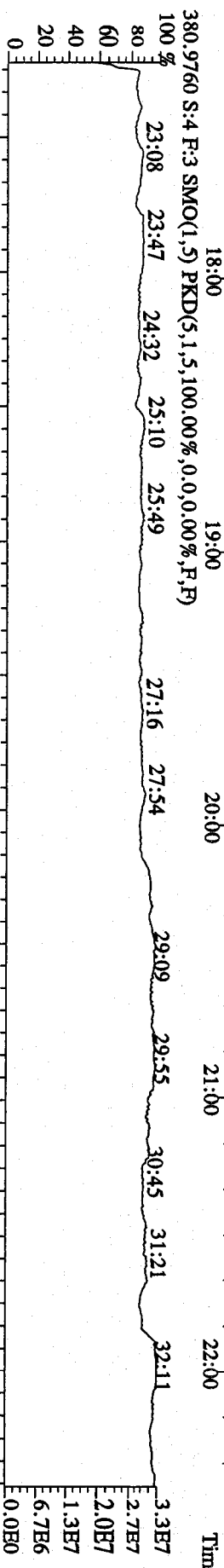
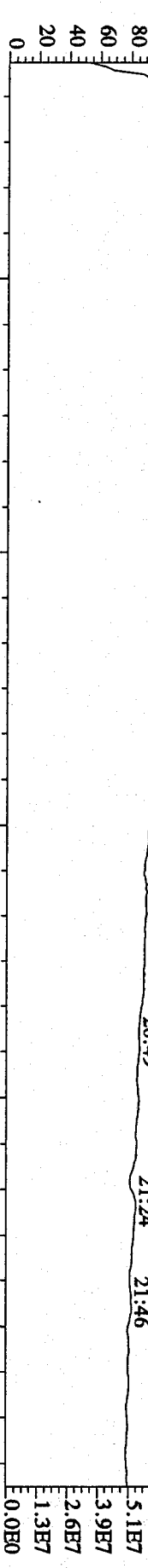
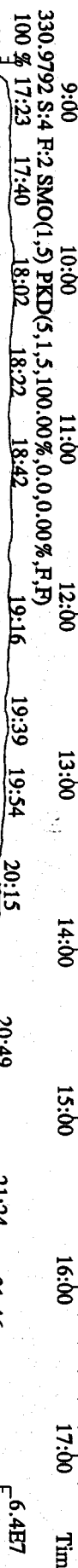
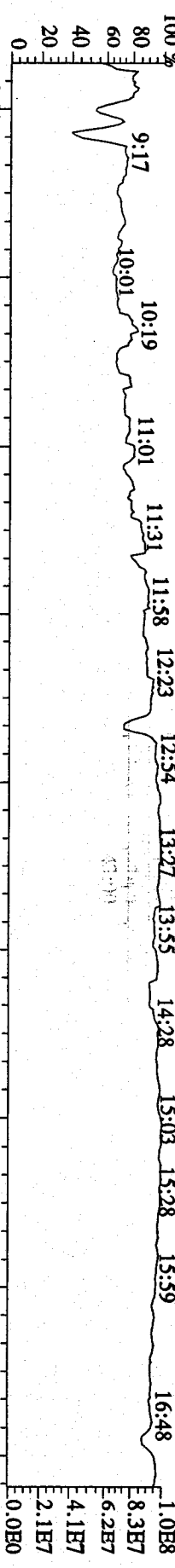
File: 16DE09E9D5 #1-419 Acq: 16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#4 Text: ST1216C :CSS 09DXN209 Exp: 209DB5  
 461.7245 S:4 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1144,0,0,00%,F,T)  
 100% A1.96E8



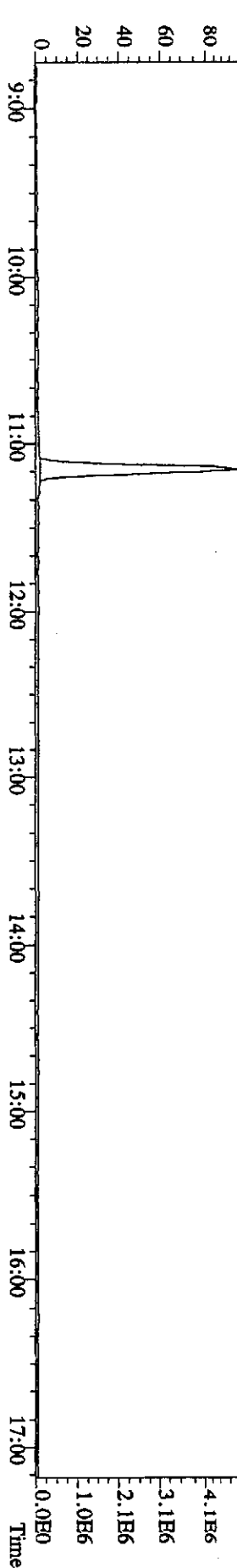
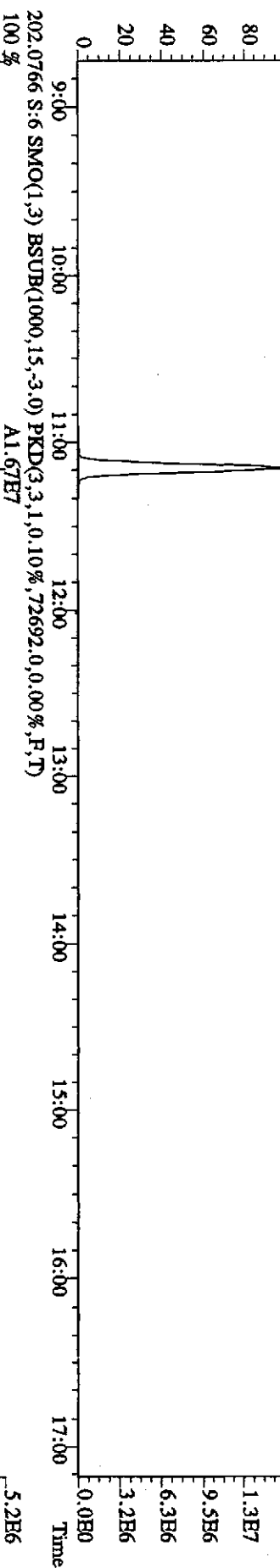
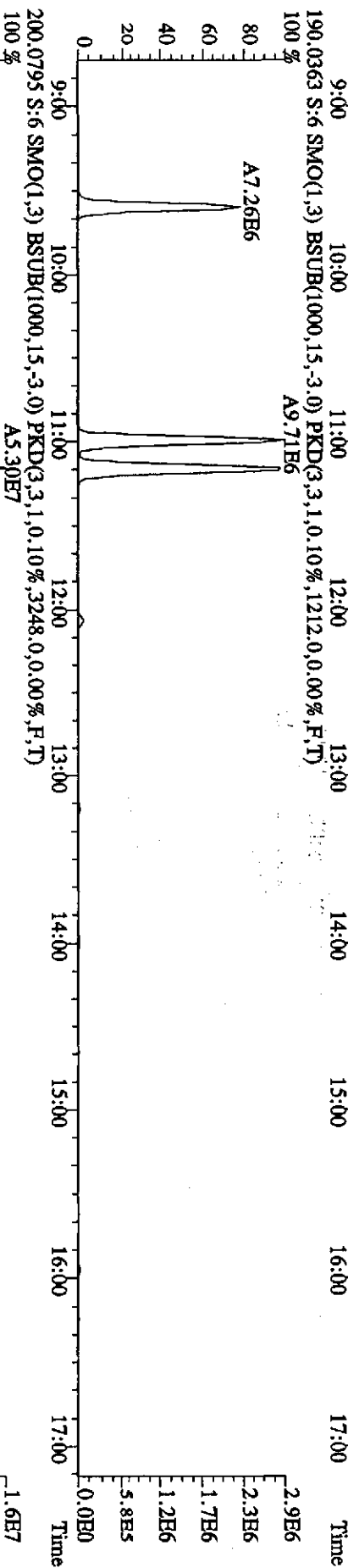
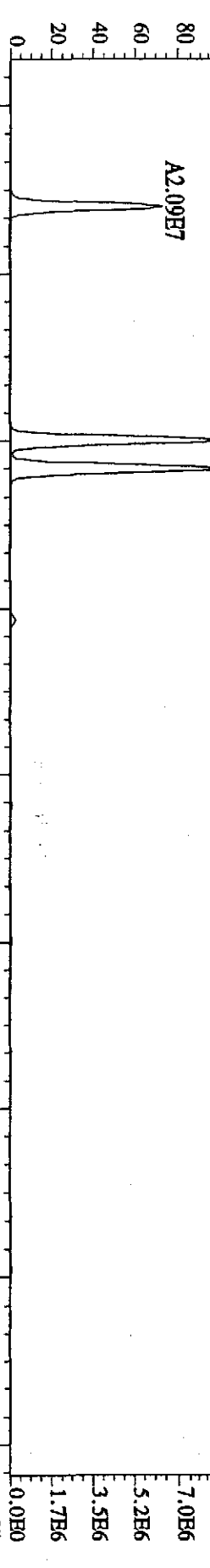
File:16DE09E9D5 #1-419 Acq:16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#4 Text:ST1216C :CSS 09DXN209 Exp:209DB5  
 495.6856 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,236,0,0.00%,F,T)  
 100 %



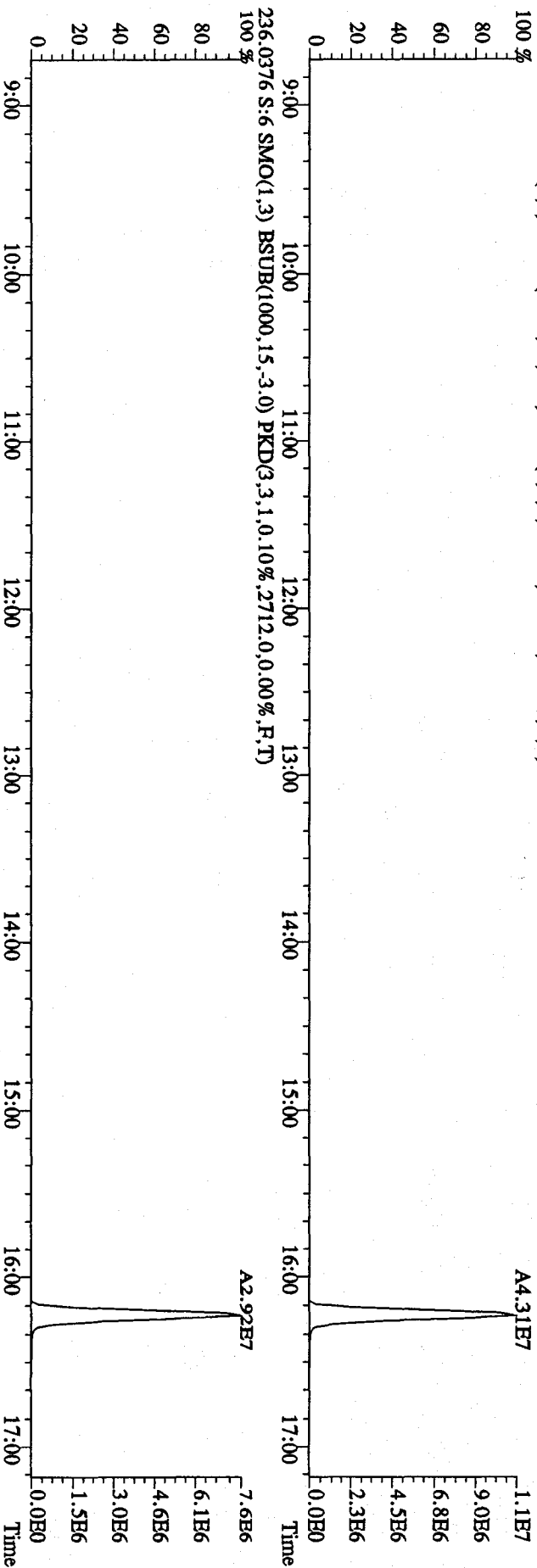
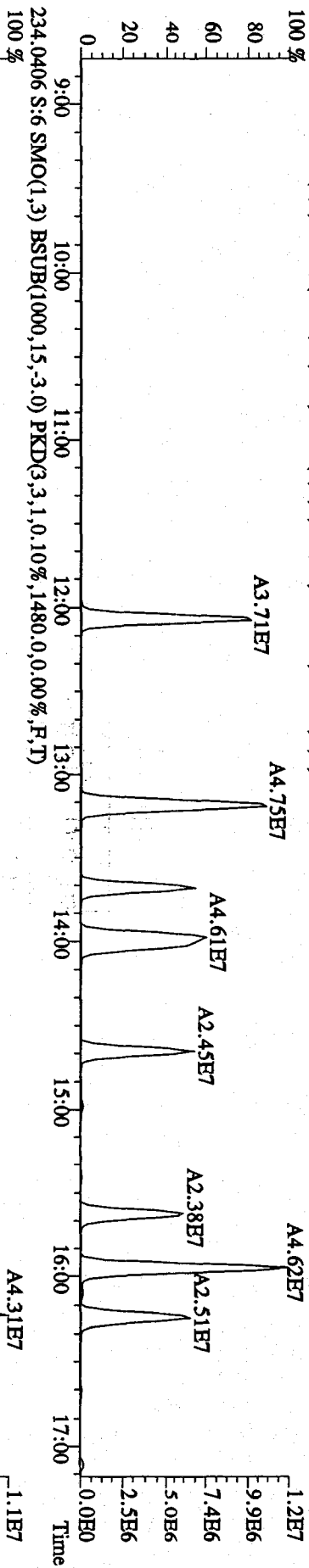
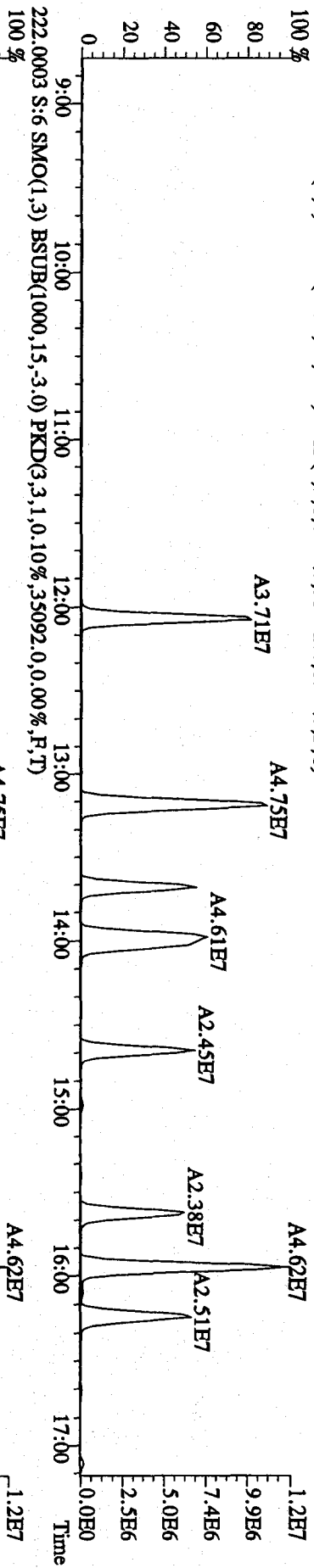
File:16DBE09E9D5 #1-516 Acq:16-DEC-2009 16:35:23 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#4 Text:ST1216C :CSS 09DXN209 Exp:209DB5  
 218.9856 S:4 SMO(1.5) PKD(5,1.5,100.00%,0.0,0.00%,F,F)



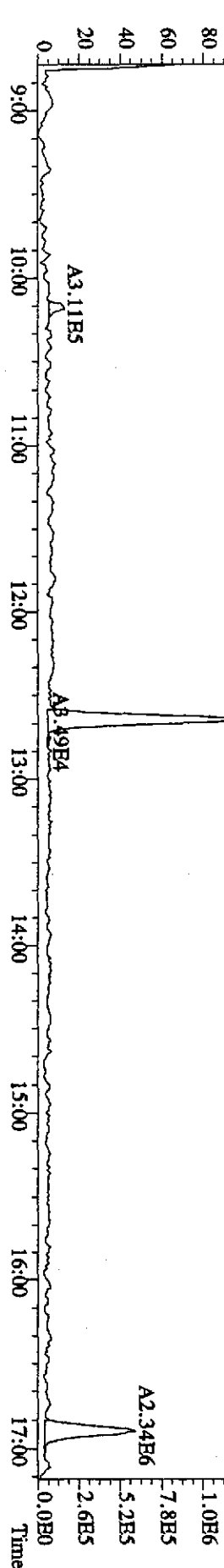
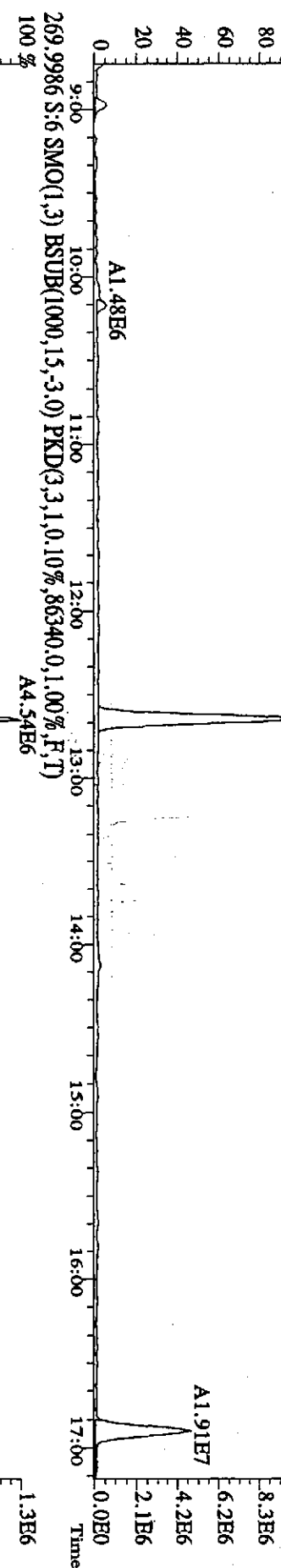
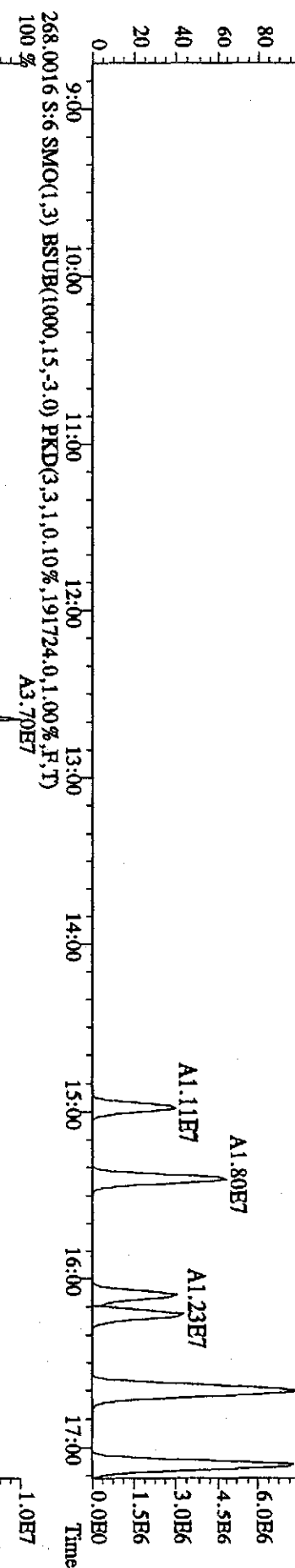
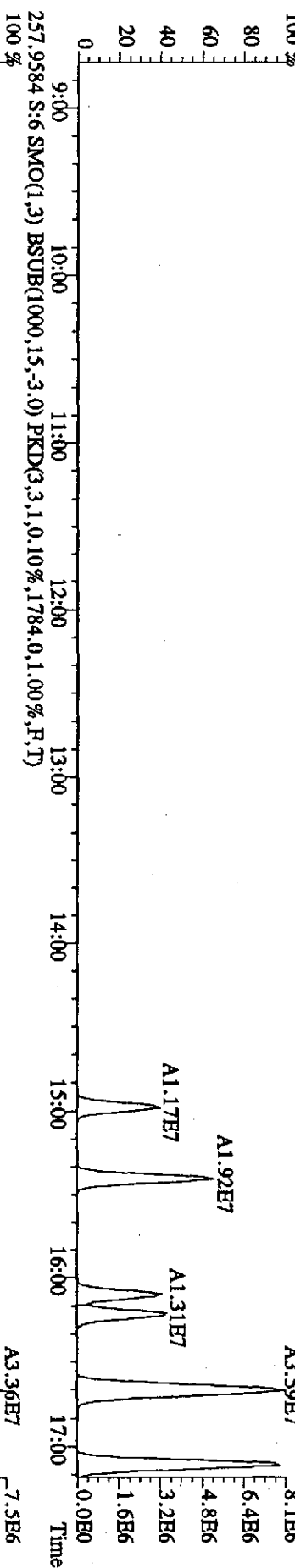
File:16DE09E9D5 #1-516 Acq:16-DEC-2009 18:18:07 GC-EL+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST1216E :2nd Source 09DXN413 Exp:209DB5  
 188.0393 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,2408,0,0,00%,F,T)  
 100%



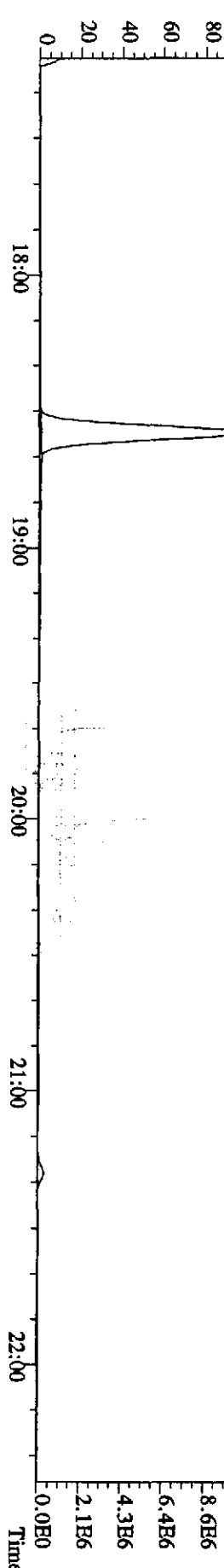
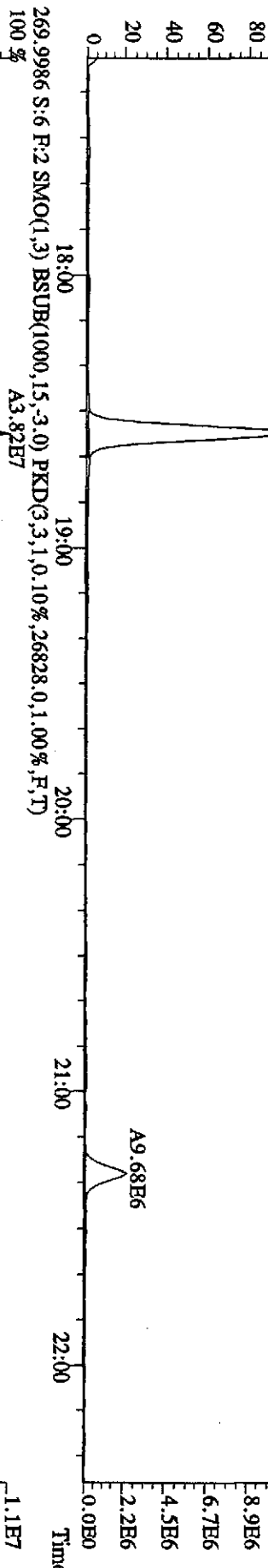
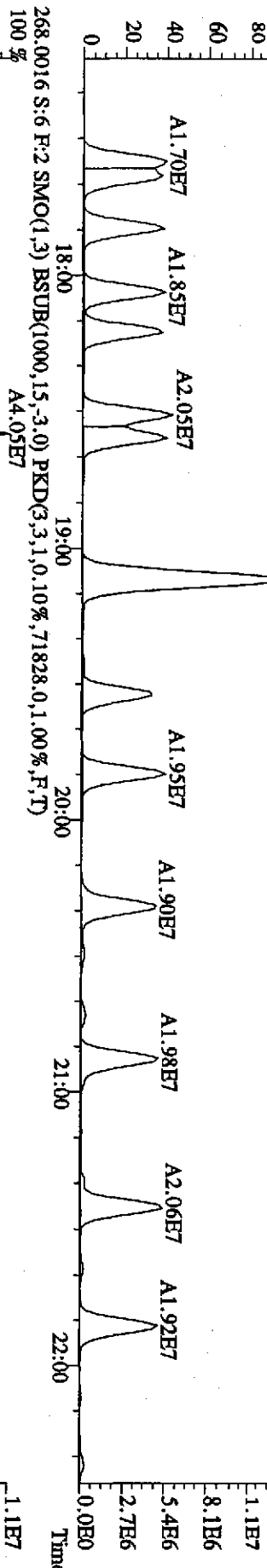
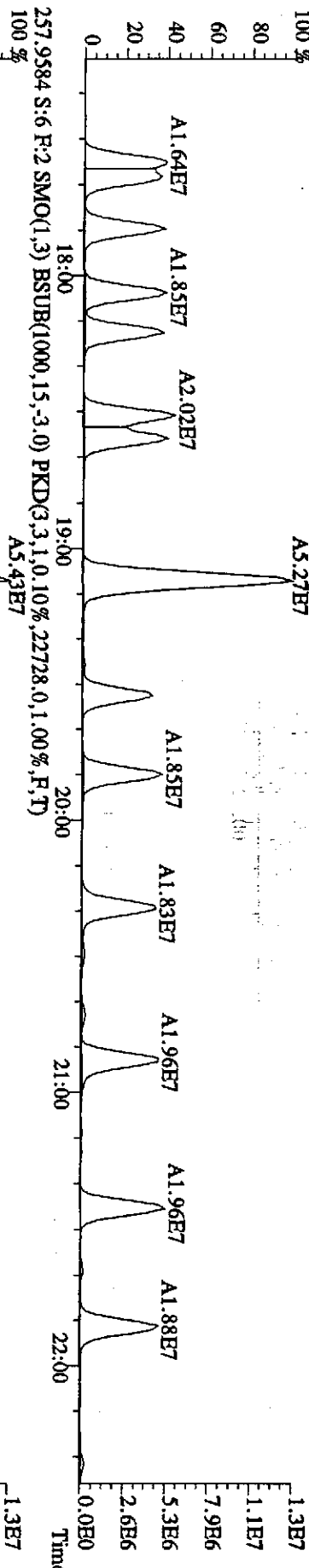
File: 16DB09E9D5 #1-516 Acq:16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#6 Text:ST1216E :2nd Source 09DXN413 Exp:209DB5  
 222.0003 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,.35092,0,0,0.00%,F,T)



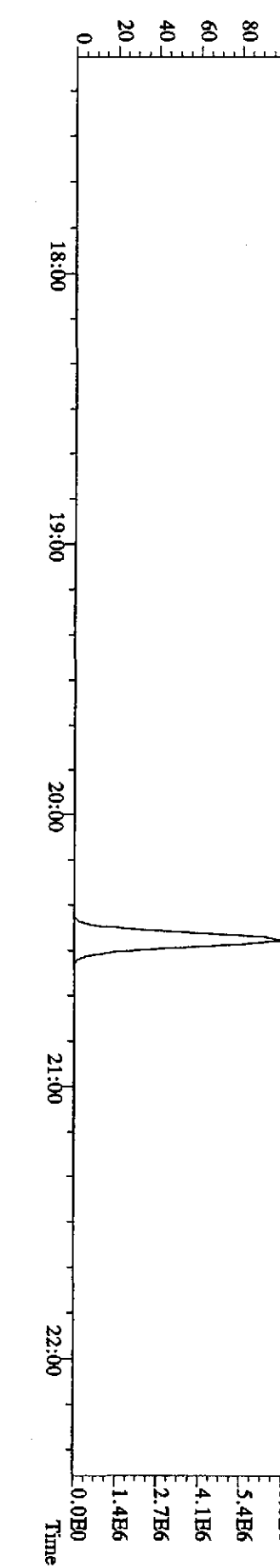
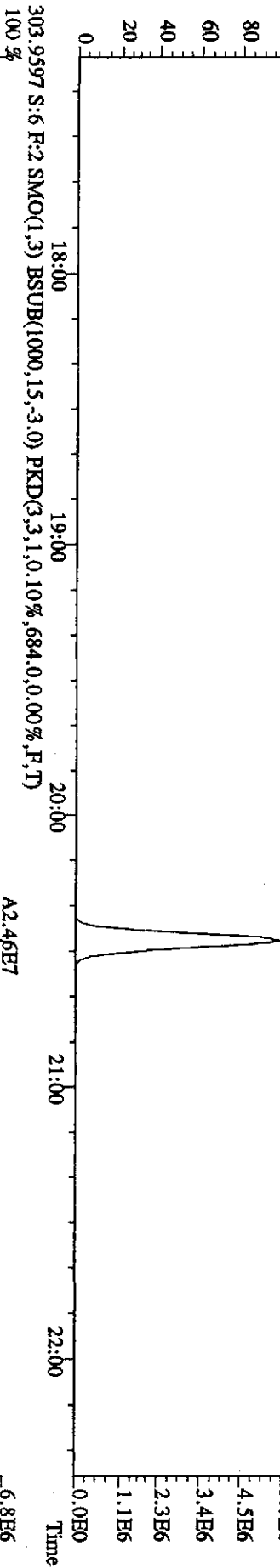
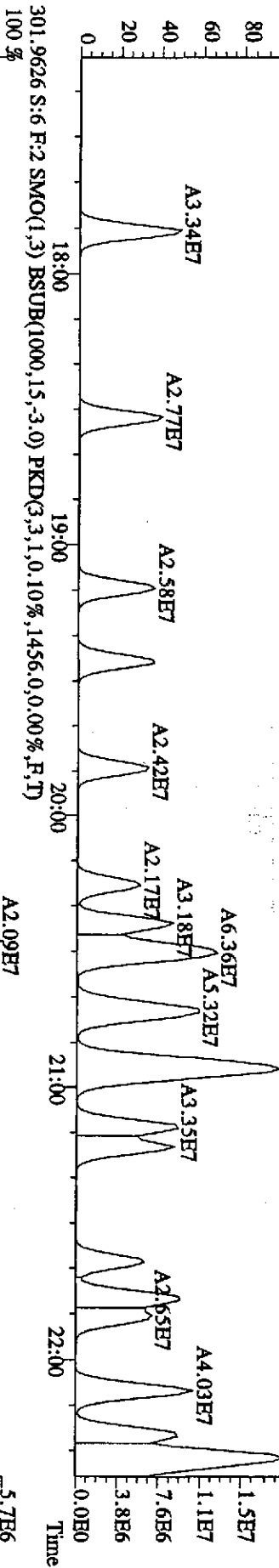
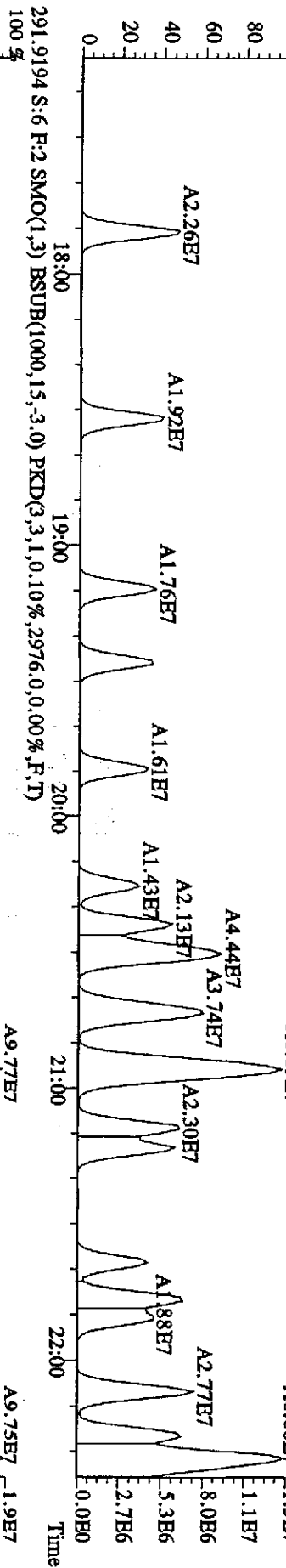
File:16DE09E9D5 #1-516 Acq:16-DEC-2009 18:18:07 GC HI + Voltage SIR Autospec-UltimaB  
 Sample#6 Text:ST1216E :2nd Source 09DXN413 Exp:209DB5  
 257.9584 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,1784,0,1,00%,F,T)



File:16DE09E9D5 #1-381 Acq:16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST1216E :2nd Source 09DXN413 Exp:209DB5  
 255.9613 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,23172.0,1.00%,F,T) A5.27E7

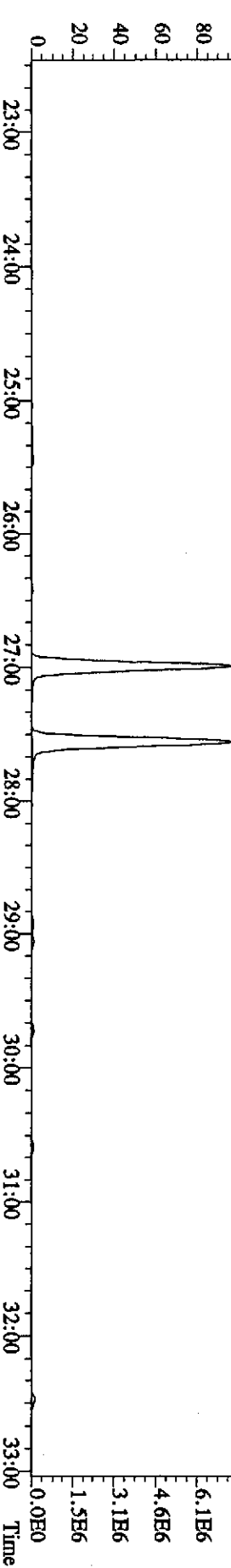
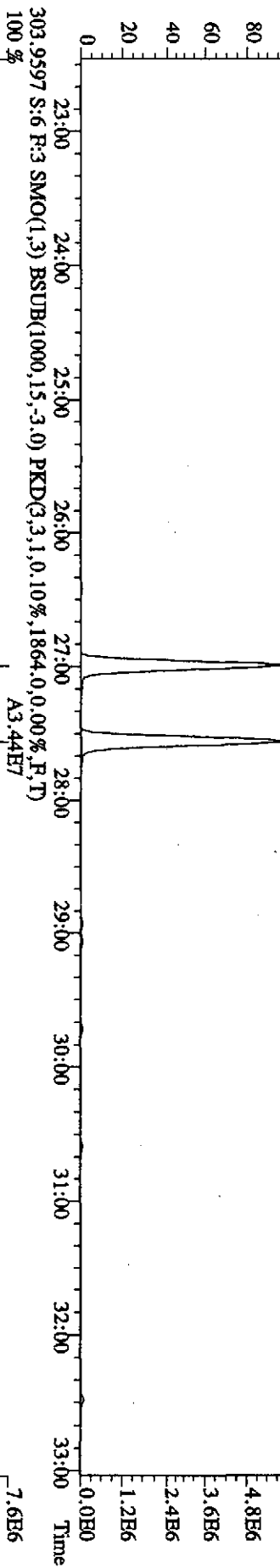
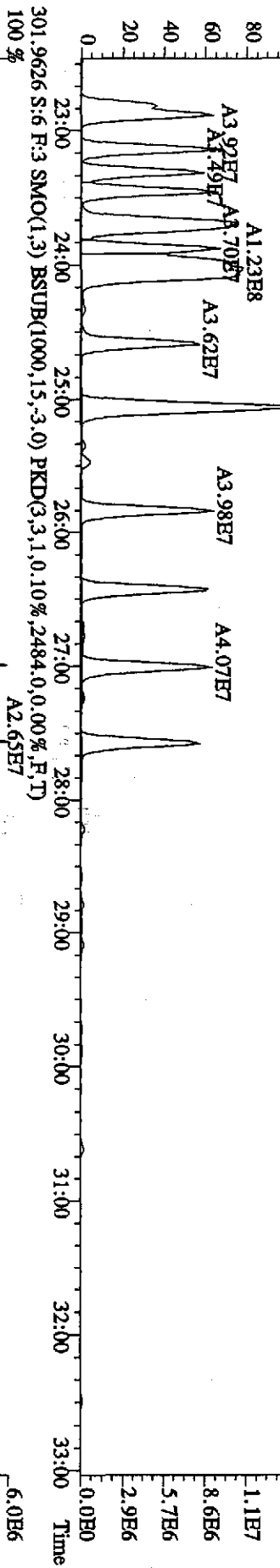
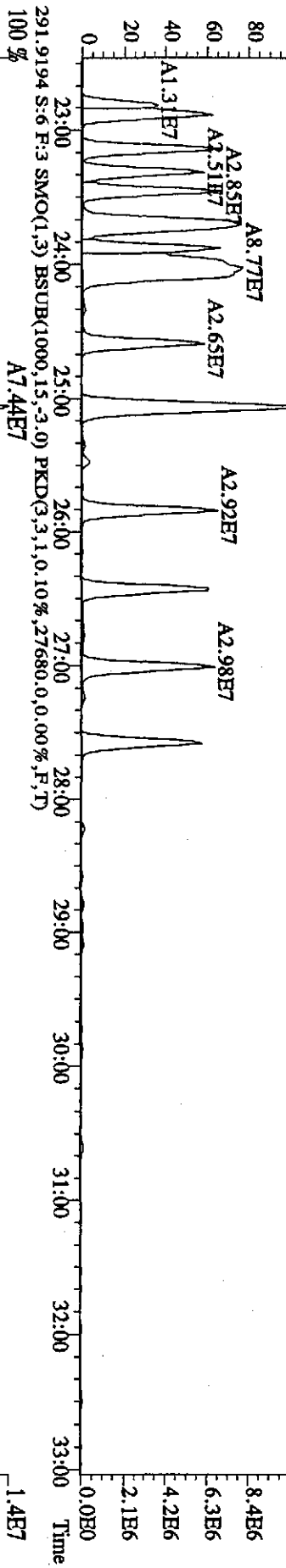


File:16DE09E9D5 #1-381 Acq:16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text:ST1216E :2nd Source 09DXN413 Exp:209DB5  
 289.9224 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,1,0,10%,1732,0,0,00%,F,T)  
 100 %

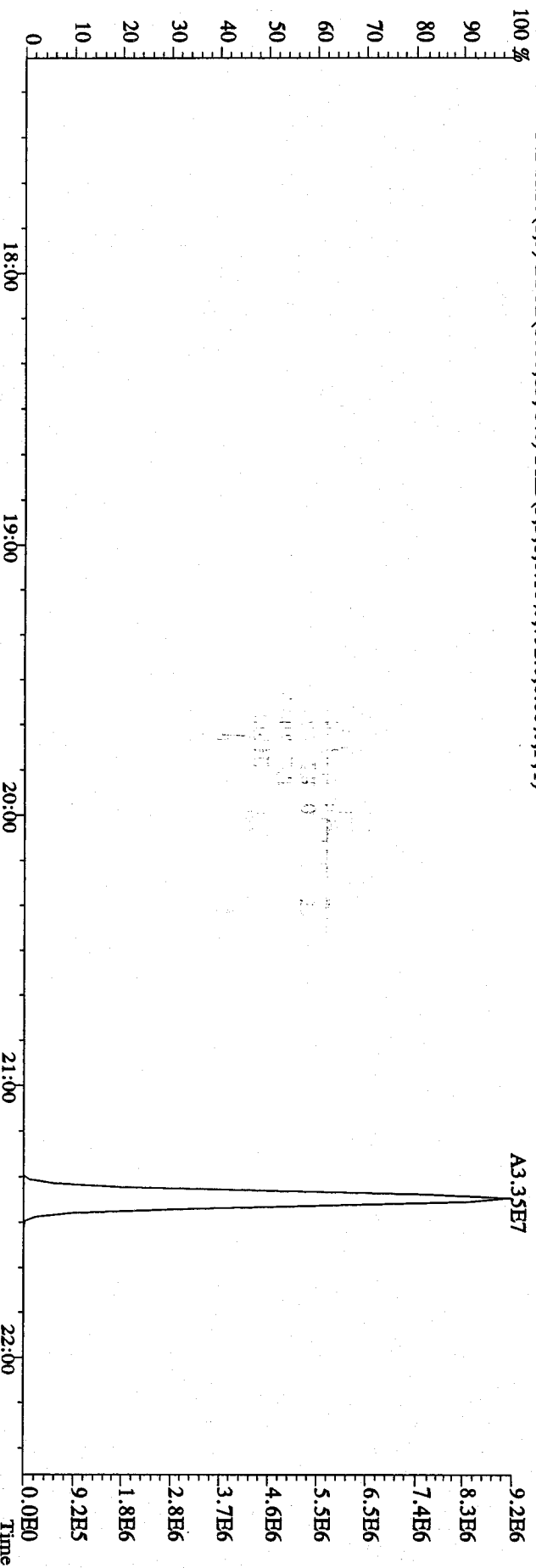
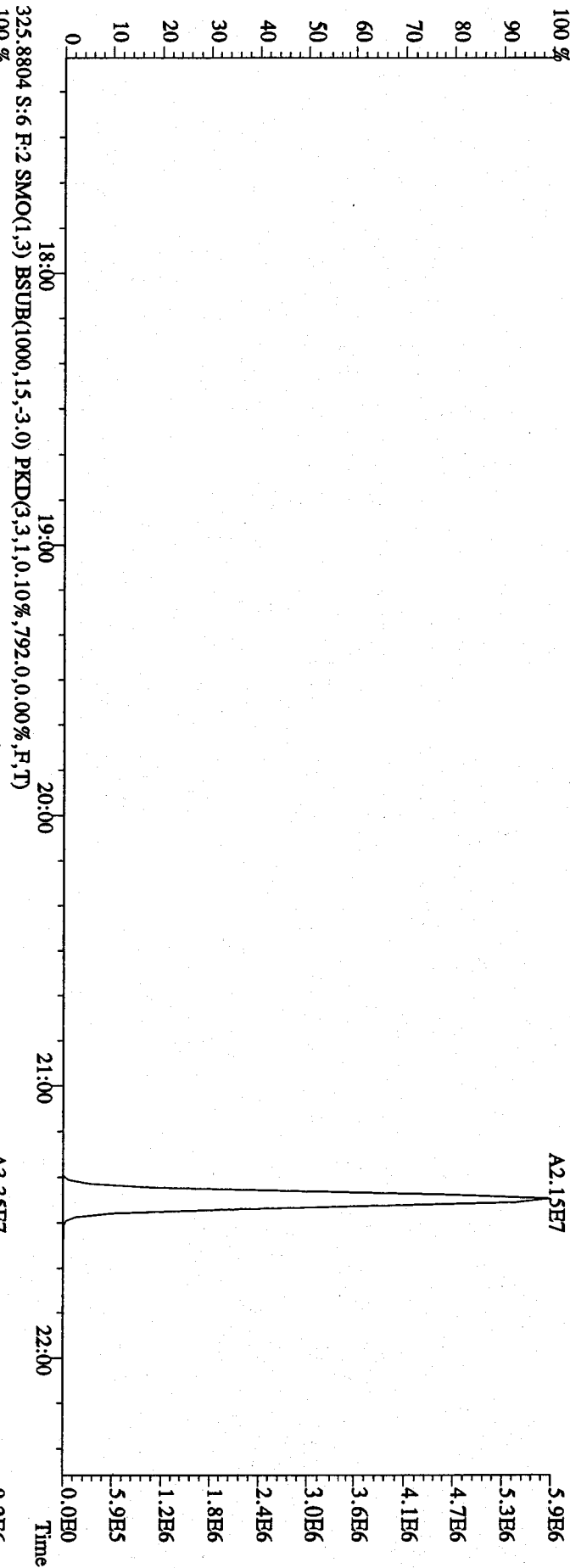


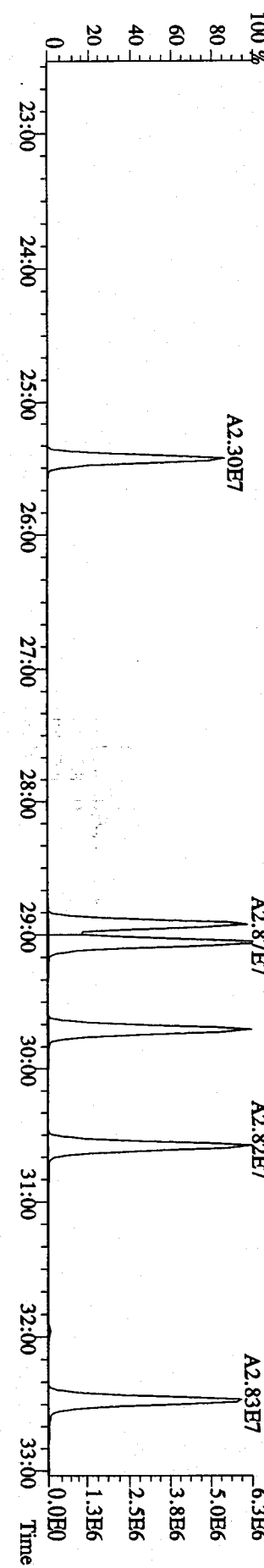
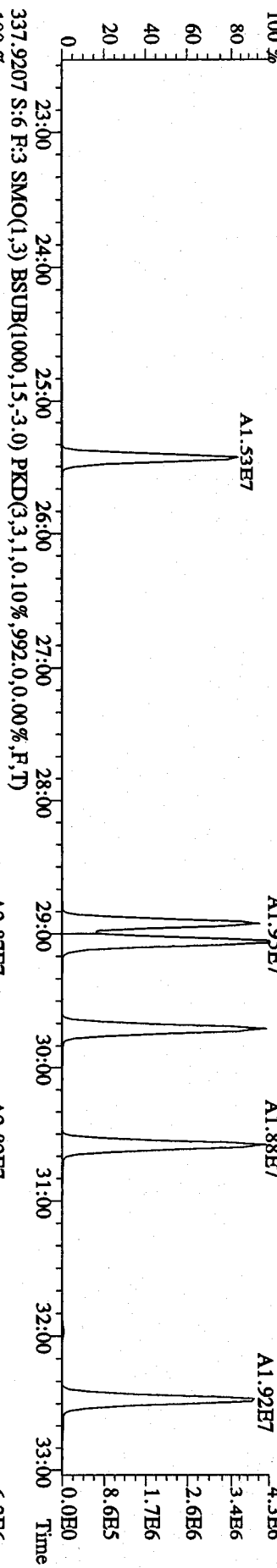
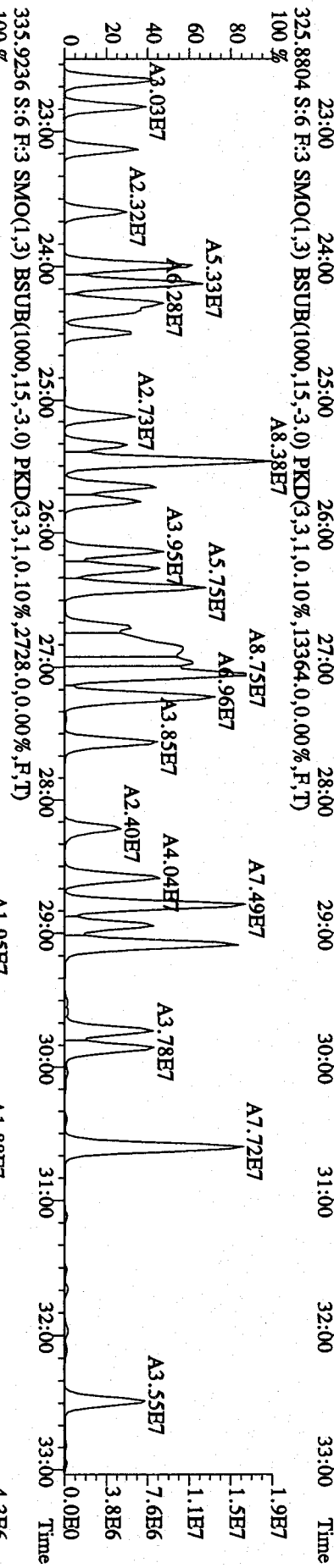
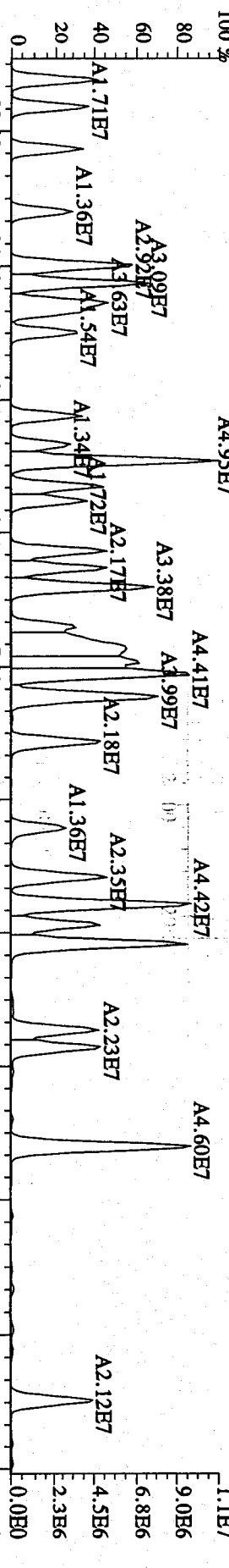


File: 16DB09E9D5 #1-596 Acq: 16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Text: ST1216B :2nd Source 09DXNA13 Exp: 209DB5  
 289.9224 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,27680,0,0,00%,F,T)  
 100%

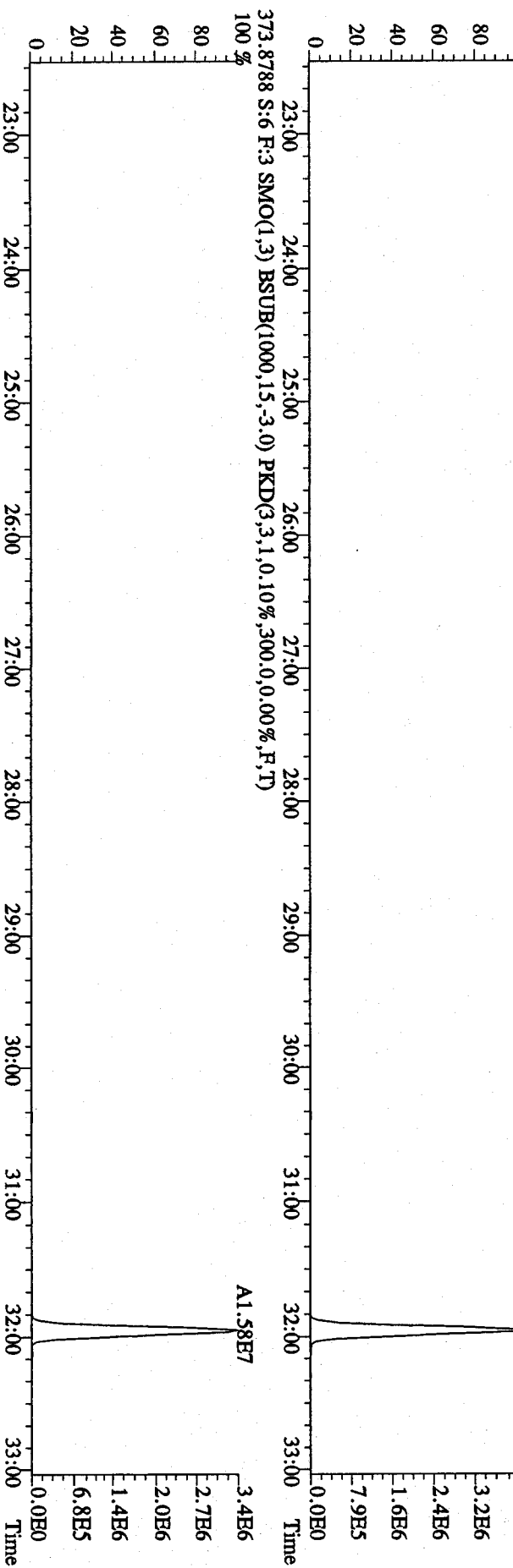
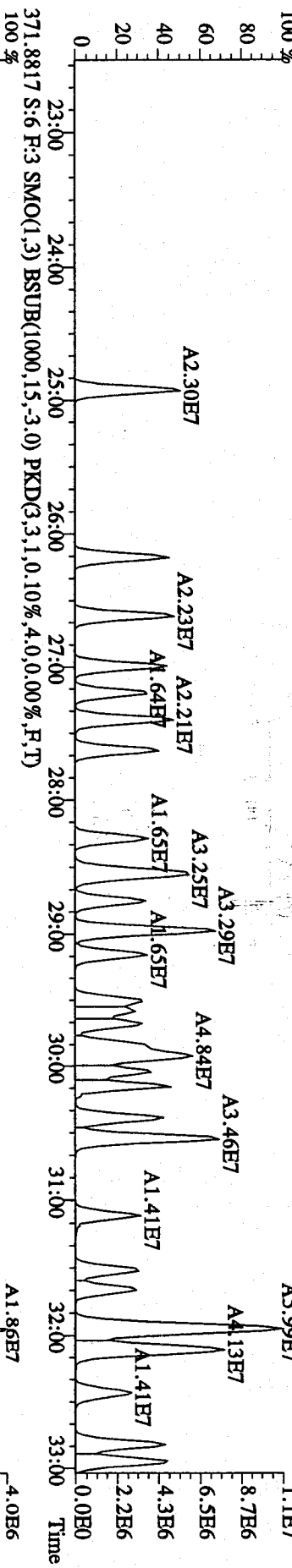
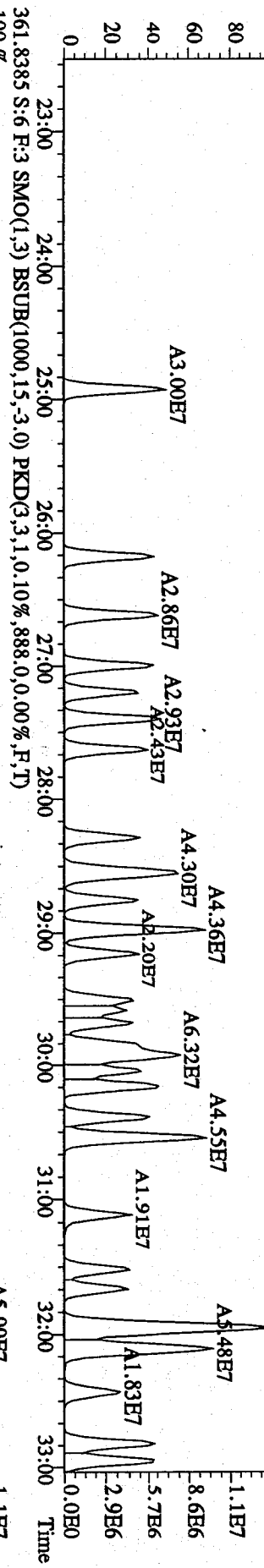


File:16DB09E9D5 #1-381 Acq:16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-Ultimate  
Sample#6 Text:ST1216E 2nd Source 09DXN413 Exp:209DB5  
323.8834 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,956,0,0,00%,F,T)  
100 %

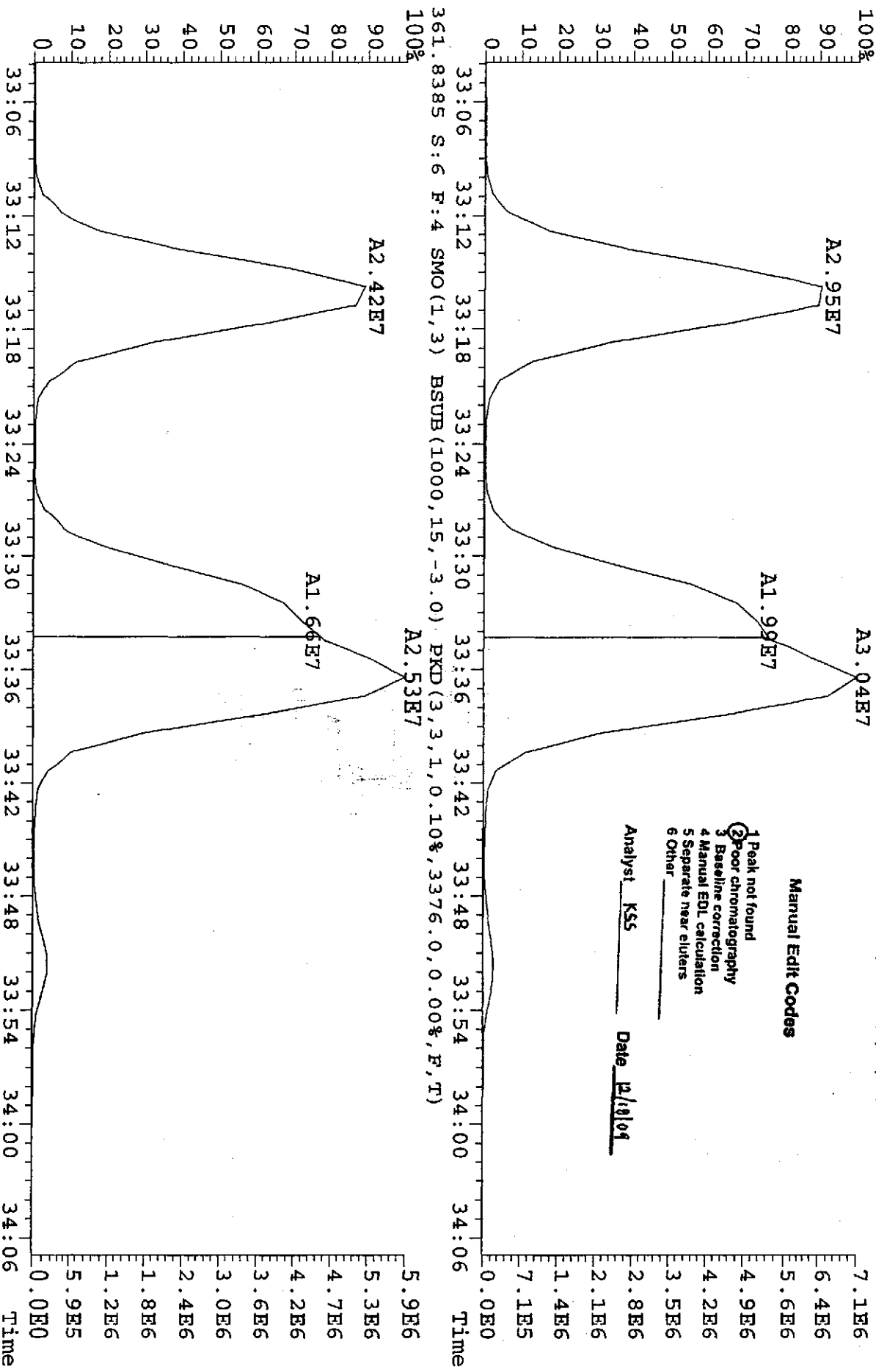




File: 16DE09E9D5 #1-596 Acq: 16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample# 6 Text: ST1216E :2nd Source 09DXN413 Exp: 209DB5  
 359.8415 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,1,0.10%,1396,0,0.00%,F,T)



File: 16DE09E9D5 #1-384 Acq: 16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-Ultimar  
 Sample#6 Text: ST1216E : 2nd Source 09DXN413 Exp: 209DB5  
 359.8415 S: 6 F: 4 SMO(1, 3) BSM(1000, 15, -3.0) PKD(3, 3, 1, 0.10%, 4688.0, 0.00%, F, T)



Manual Edit Codes

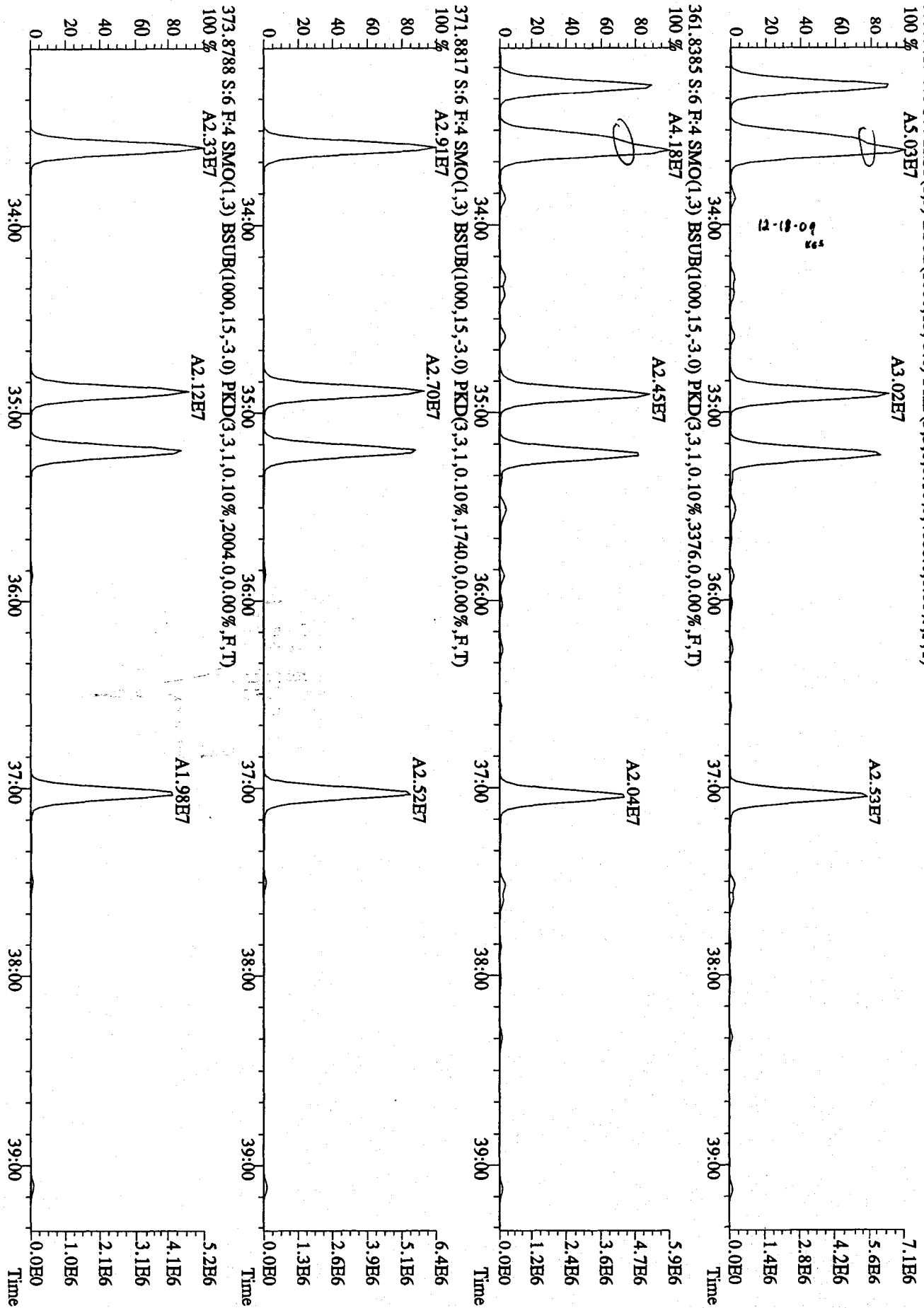
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst KSS Date 12/18/09

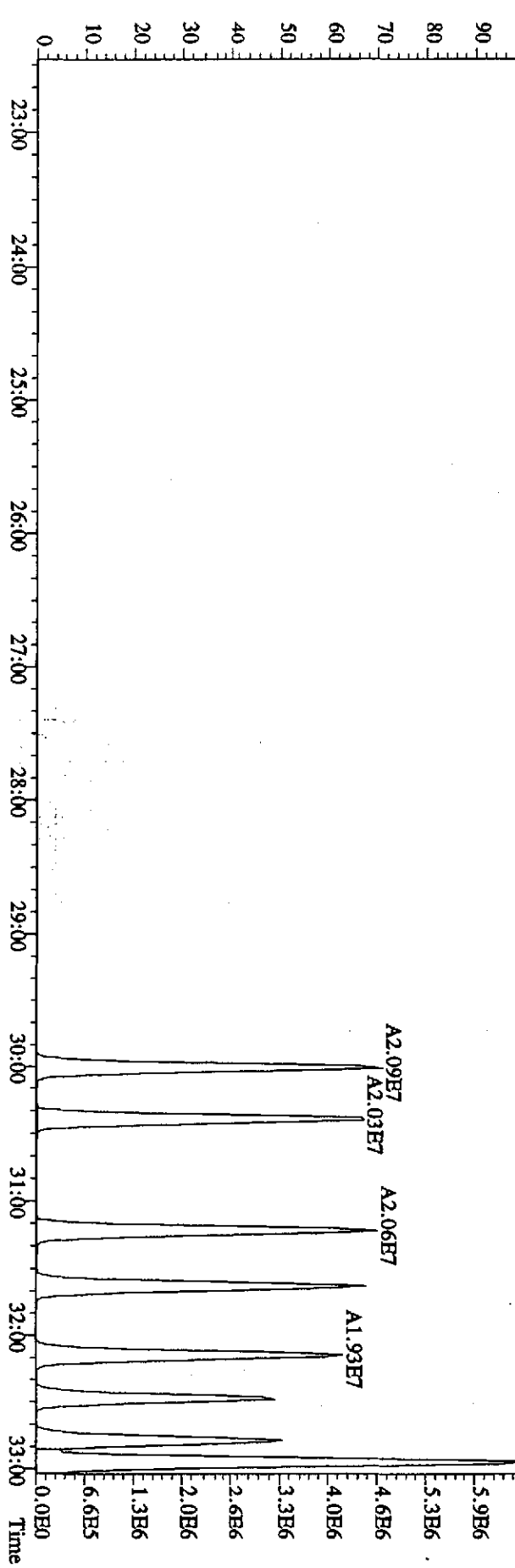
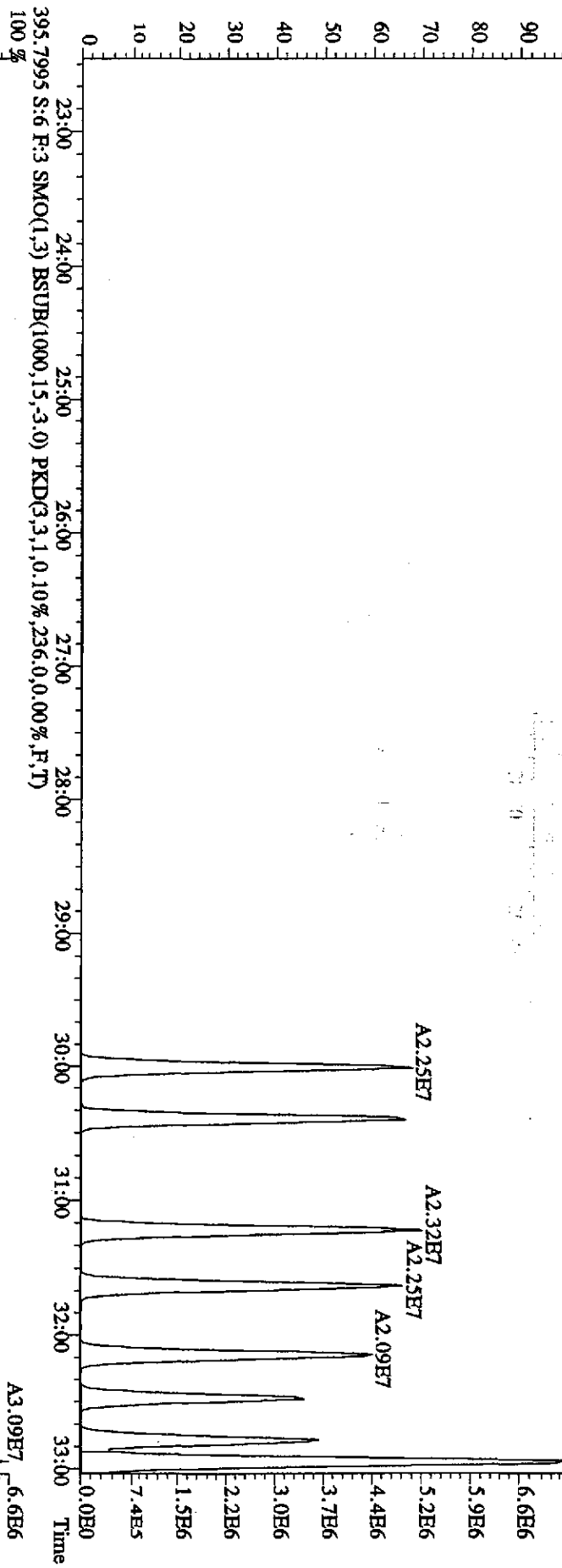
File:16DB09E9D5 #1-384 Acq:16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-UtimaE

Sample#6 Text:ST1216E :2nd Source 09DXN413 Exp:209DB5

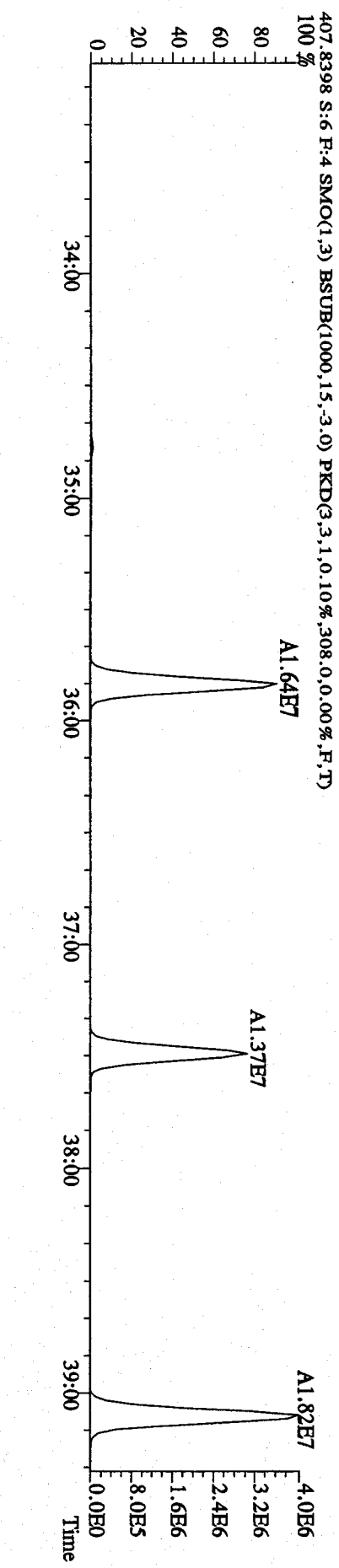
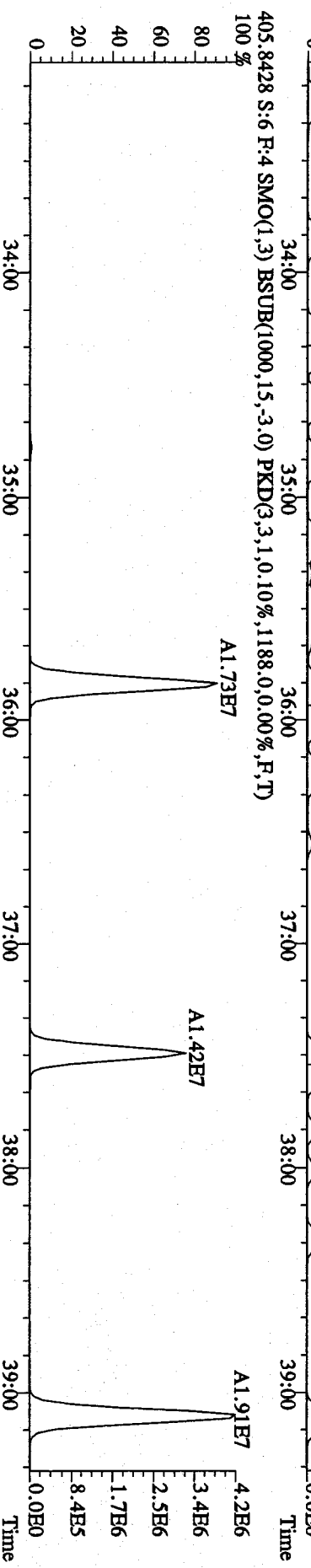
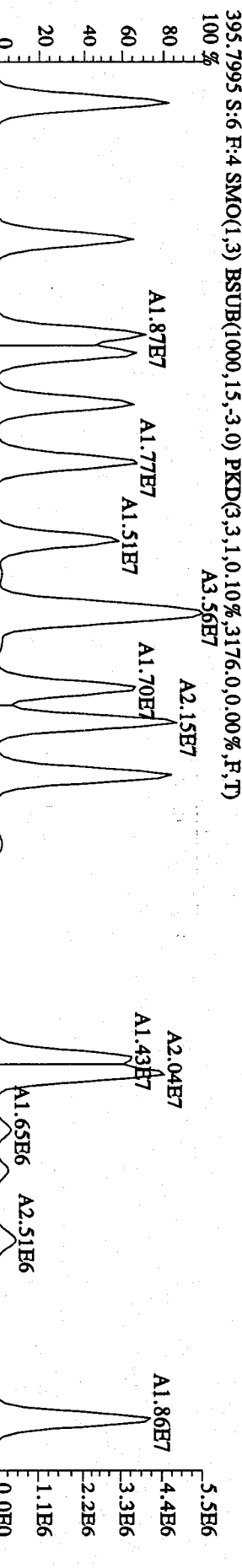
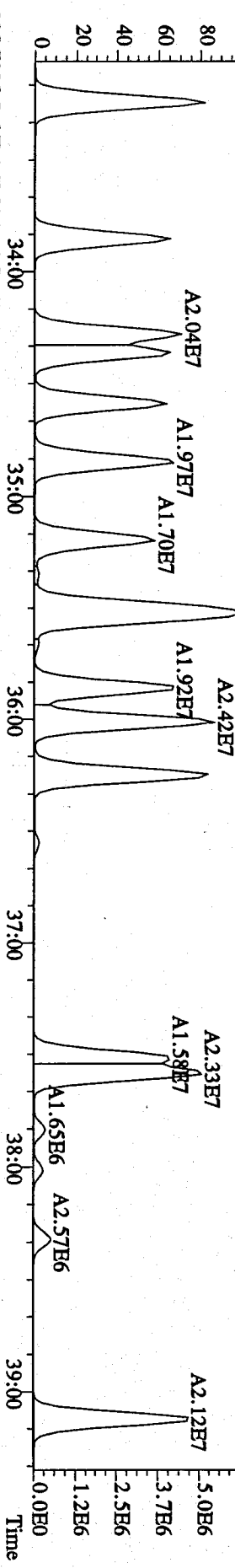
359.8415 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4688,0,0,00%,F,T)



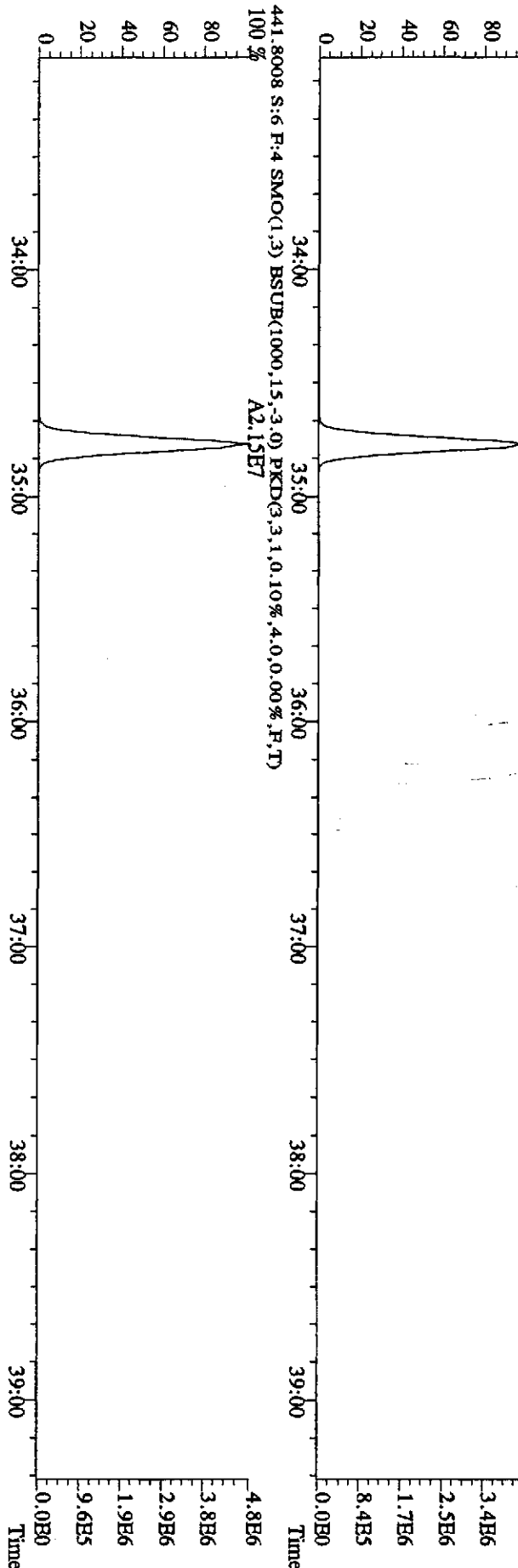
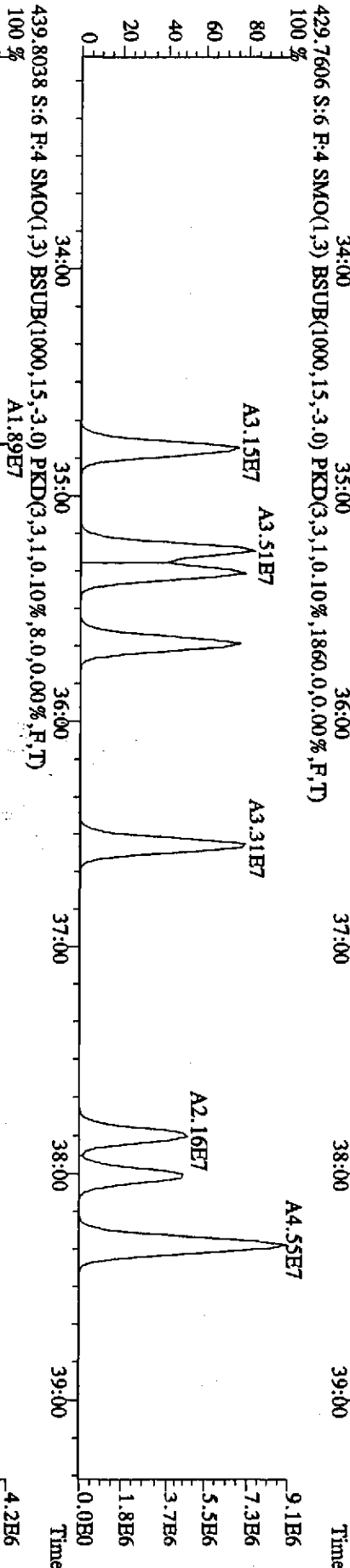
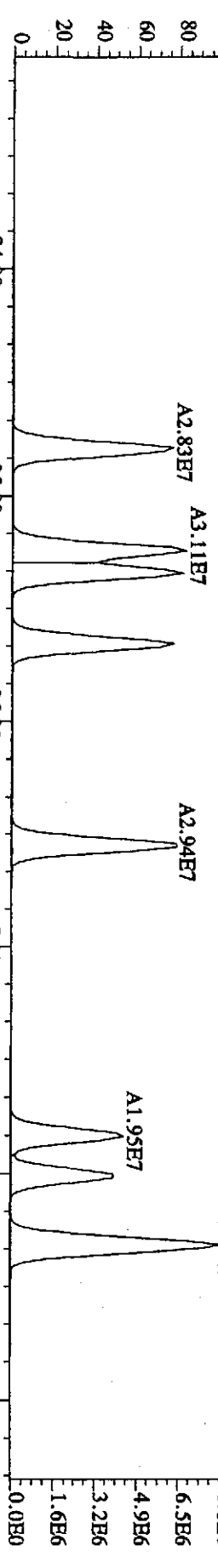
File:16DDE09B9D5 #1-596 Acq:16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-UltimaB  
 Sample#6 Text:ST1216E :2nd Source 09DXN413 Exp:209DB5  
 393.8025 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,1652.0,0.00%,F,T)  
 100 %



File:16DE09E9D5 #1-384 Acq:16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-UltimaE  
 Sample#6 Text:ST1216E 2nd Source 09DXN413 Exp:209DB5  
 393.8025 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0,10%,4144,0,0,00%,F,T)  
 A3.92E7

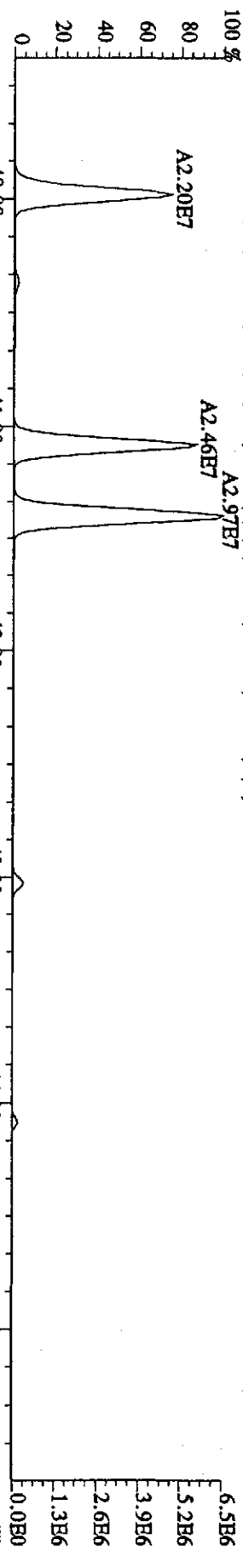




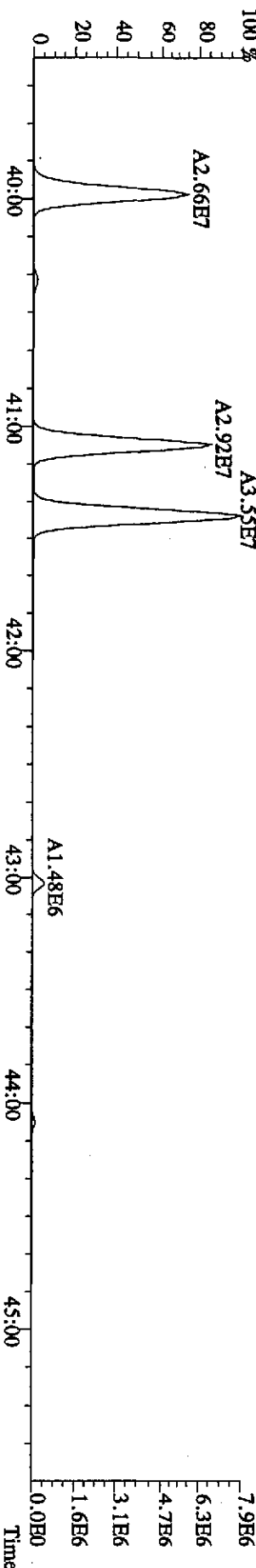


Sample#6 Text:ST1216E :2nd Source 09DXN413 Exp:209DB5

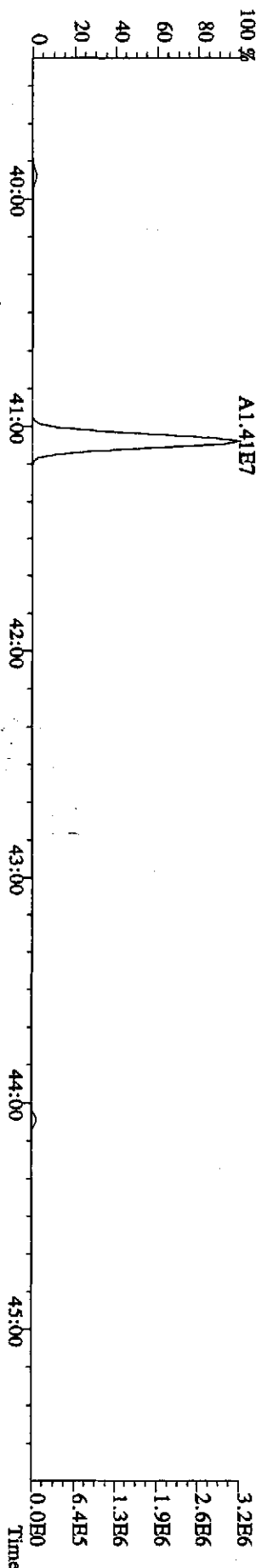
427.7635 S:6 F:5 SMO(1,3) BSUB(1000,15,3,0) PKD(3,1,0,10%,1240,0,0,00%,F,T)



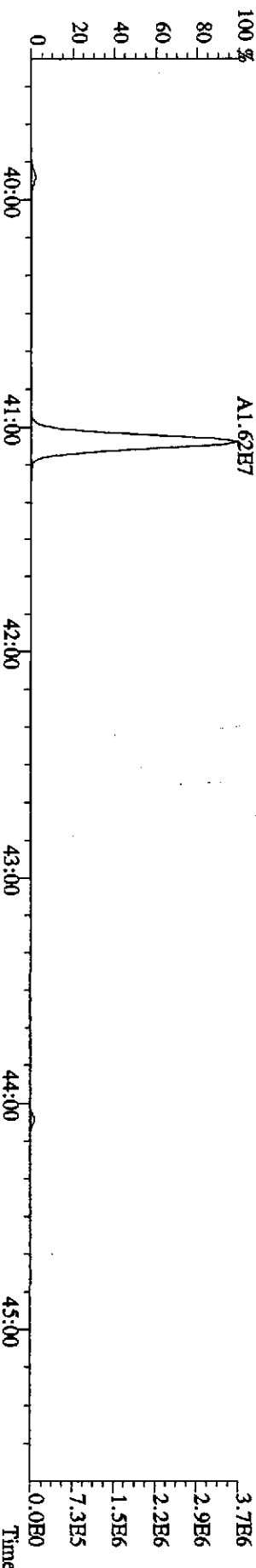
429.7606 S:6 F:5 SMO(1,3) BSUB(1000,15,3,0) PKD(3,1,0,10%,1524,0,0,00%,F,T)



439.8038 S:6 F:5 SMO(1,3) BSUB(1000,15,3,0) PKD(3,1,0,10%,4,0,0,00%,F,T)



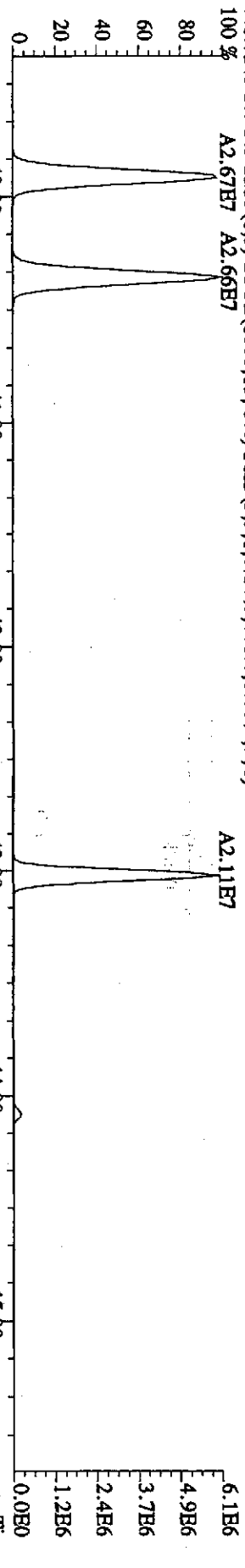
441.8008 S:6 F:5 SMO(1,3) BSUB(1000,15,3,0) PKD(3,1,0,10%,312,0,0,00%,F,T)



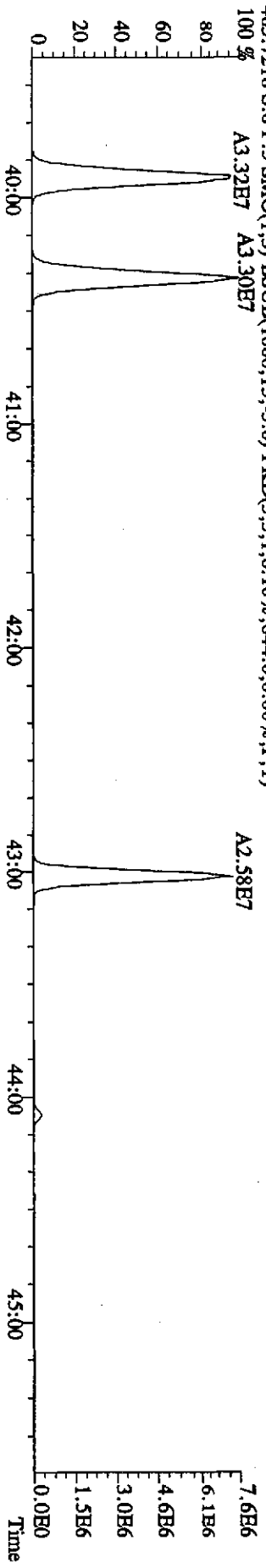
File:16DE09E9D5 #1-418 Acq:16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-Ultimate

Sample#6 Tex:ST1216E :2nd Source 09DXN413 Exp:209DB5

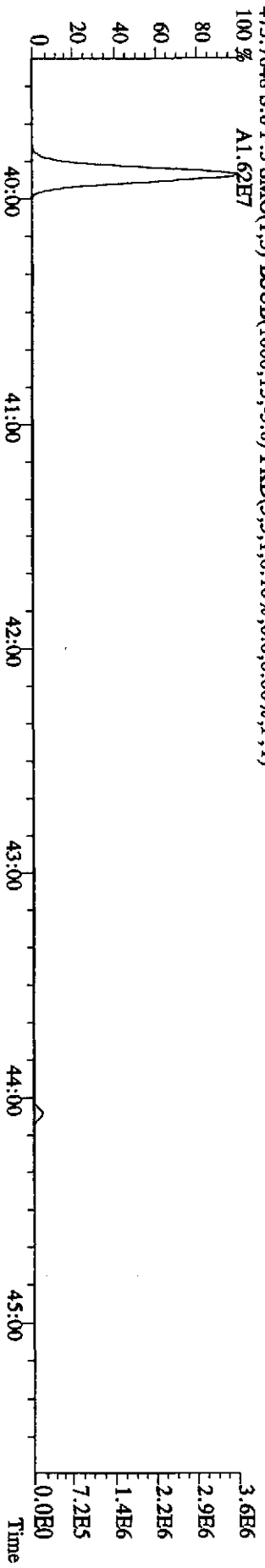
461.7245 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,668,0,0,00%,F,T)



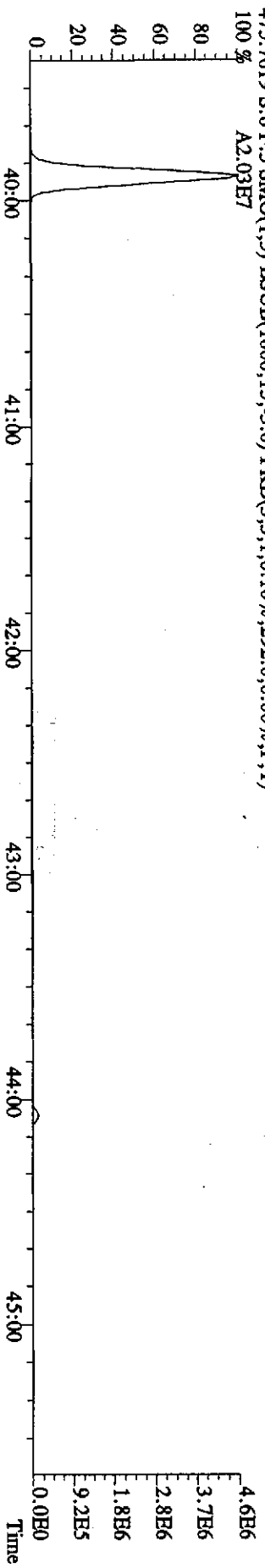
463.7216 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,644,0,0,00%,F,T)



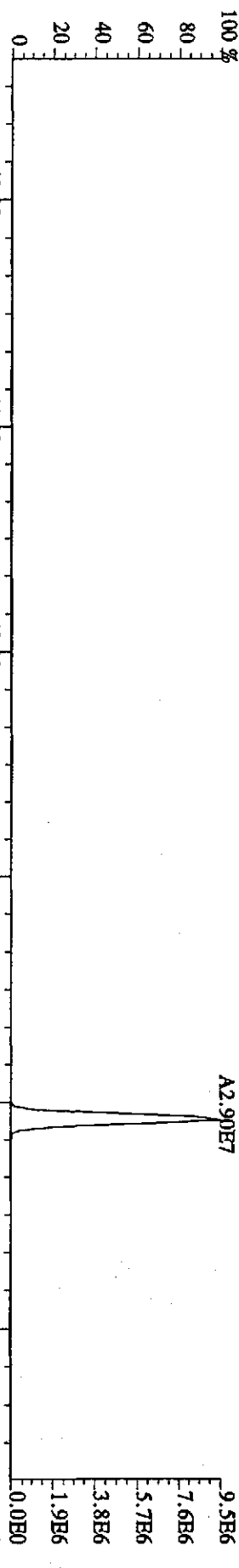
473.7648 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,0,0,0,00%,F,T)



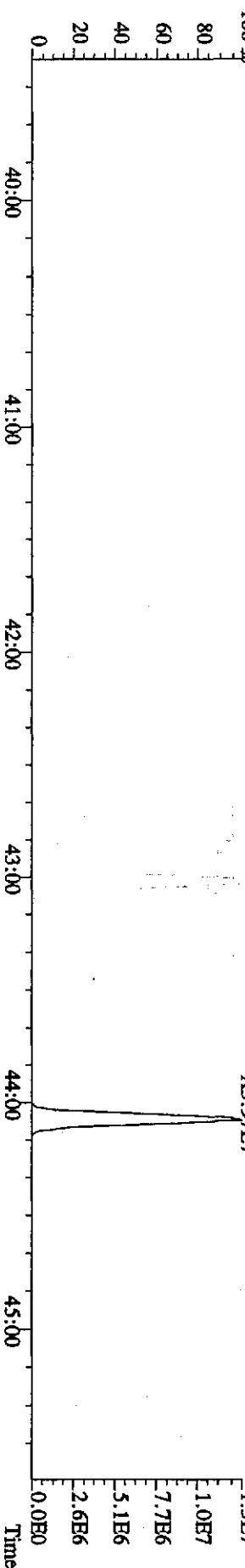
475.7619 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(3,3,1,0,10%,292,0,0,00%,F,T)



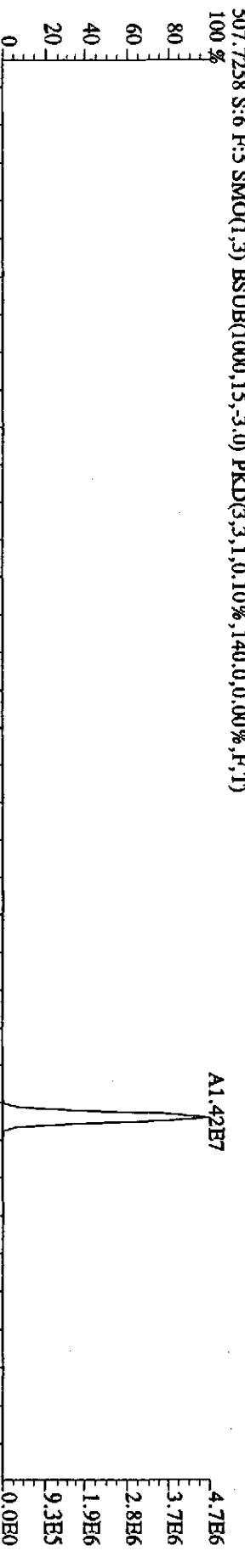
File:16DE09B9D5 #1-418 Acq:16-DEC-2009 18:18:07 GC EI+ Voltage SIR Autospec-Ultimate  
 Sample#6 Tex:ST1216E :2nd Source 09DXN413 Exp:209DB5  
 495.6856 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,80.0,0.00%,F,T)



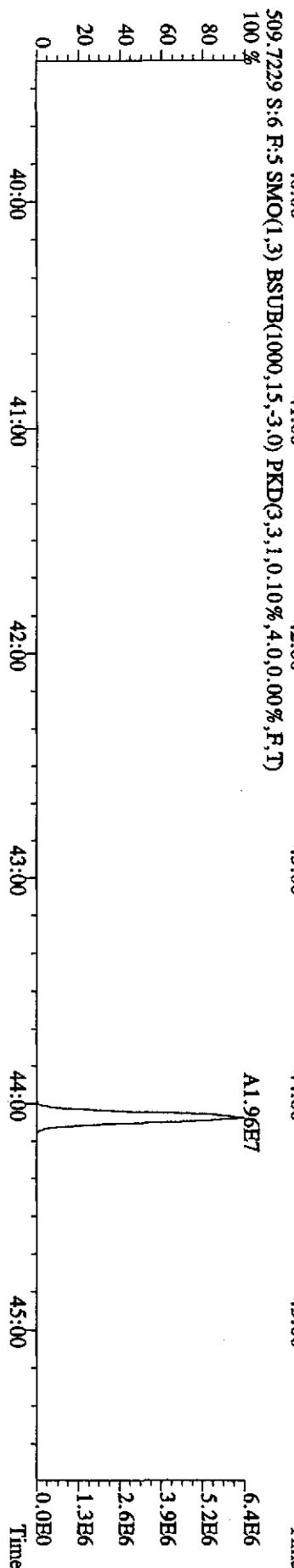
497.6826 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,164.0,0.00%,F,T)



507.7258 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,140.0,0.00%,F,T)

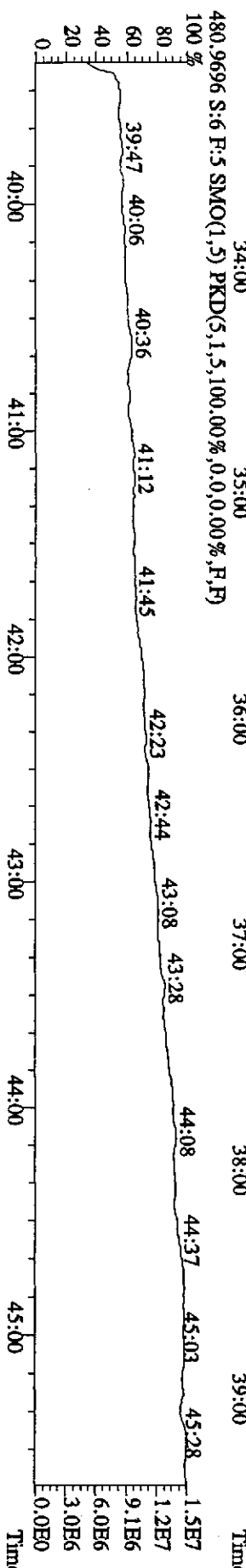
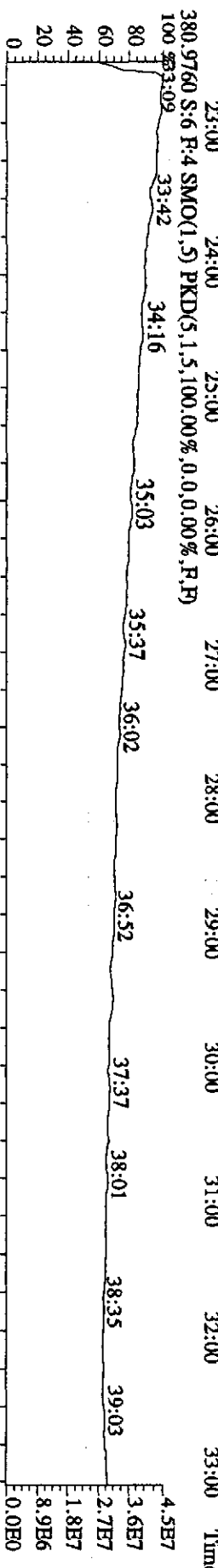
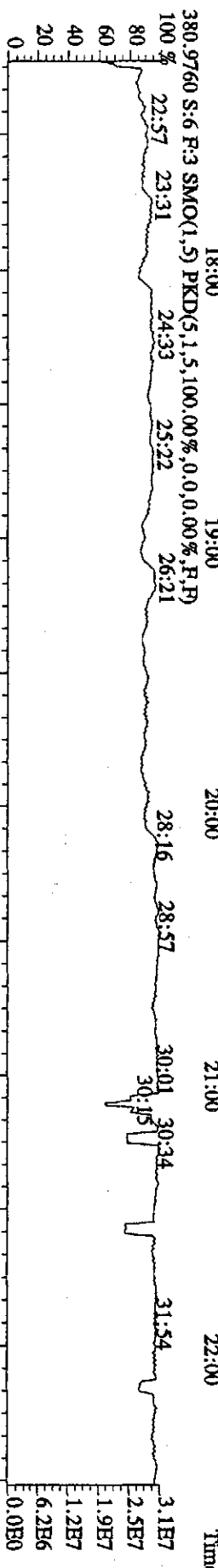
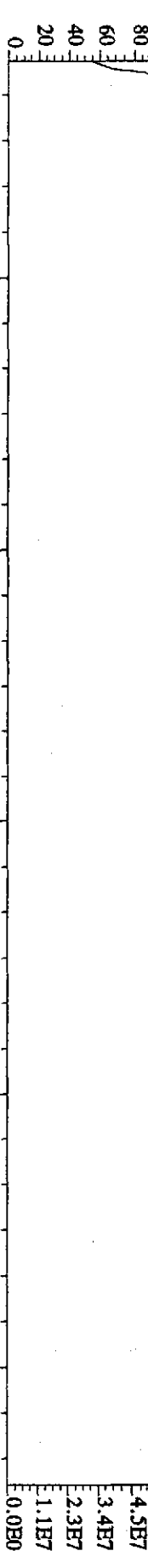
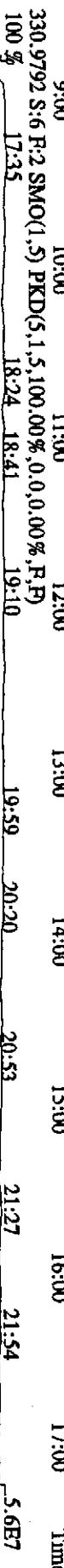
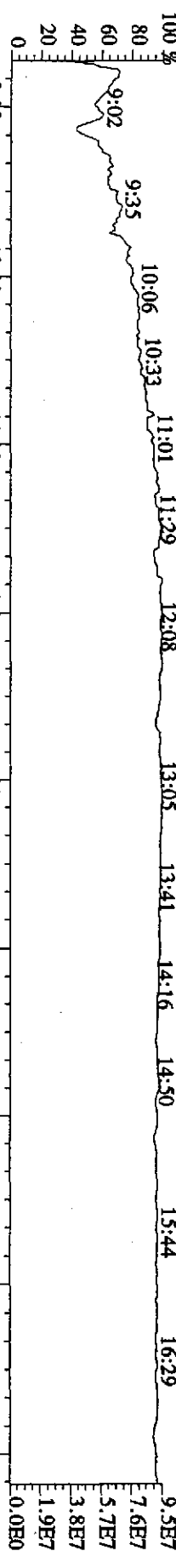


509.7229 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(3,3,1,0.10%,4.0,0.00%,F,T)



Sample#6 Text:ST1216E :2nd Source 09DXN413 Exp:209DB5

218.9856 S:6 SMO(1,5) PKD(5,1,5,100.00%,0.0,0.00%,F,P)



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

**Data Checklist**  
**HRGCMS/LRGCMS Analyses**

Lot ID #: G9L010507 Method ID: 1669  
 Sample # 1-4

Data Analyst: Sh DB-5 DB-225  
 Date Initiated: 11/29/05  
 Reviewer: WCS  
 Date reviewed: 12/29/05

QA/QC verification:

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓	NA	
-Method Blank present?	✓	✓		
-LCS/DCS copy present and meets native recovery criteria?	✓	✓		
-Internal standard recoveries within limits?*	✓	✓		
-Ion ratios within + 15% of theoretical values?	✓	✓		
-Other QC (Dup,MS,SD) within specs?*	NA	NA		

Sample Analysis:

	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	✓	✓		
-All raw data present?	✓	✓		
-Standard target DL's used? If RL's are used specify: _____	✓	✓		
-DL's below TDL / LCL (please circle)?	①	①		
-All positives reported at levels greater than method blank DL's?	✓	✓		
-Correct RRF's used for method?	✓	✓		
-Internal standard amounts correct for method?	✓	✓		
-Target analytes are not saturated?	✓	✓		
-Dilution/splitting of extract taken into account?	✓	✓		
-Have dilution calculations been verified?	✓	✓		
-Has a manual calculation for the sequence(s) been verified?	✓	✓		
-Are retention times (RT) correct?	✓	✓		
-Manual integrations checked?	NA	NA		

Comments: (Use other side if necessary)

① 10/10/06

\* Recovery limits:

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%*** (C14-C16), 25-130% (C17-8), 70-130% (surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614:	25-150%***

\*\*RPD limits:

50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

Method ID 1668

Lot # G9L010507

Analyst (Print Name) Mark Grandfield

Analyst Initials MG

Date 12/24/09

Sample#	Original F.V. (uL)	Aliquot (uL)	Dilution F.V. (uL)	Dilution Factor
2	20	2.0	10	5x

**Comments:**

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Wenck

TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: Wenck Lot Number: G9L010507 Date: 12/2/09  
Test: 1608 PCBs Batch Number: 9337330 SOP Reference Number: WS-IDP-0013  
Extraction: 1. Soxhlet On: 15:30 Off: 8:30 2. Soxhlet On: N/A Off: N/A

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or $\mu$ L) (circle one)	Final Conc'n
<u>G9L010507 -MB</u>	<u>PUF/XAD</u>	<u>EL/SV 12/2/09</u>	<u>EL 12/3/09</u>	<u>/</u>	<u>20.0</u>	<u>/</u>
<u>-LCS</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>20.0</u>	<u>/</u>
<u>-1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>12/2/09</u>	<u>20.0</u>	<u>/</u>
<u>-2</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>12/2/09</u>	<u>20.0</u>	<u>12/2/09</u>
<u>-3</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>20.0</u>	<u>/</u>
<u>-4</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>20.0</u>	<u>/</u>

All Samples/ Internal Standard (IS) addition: Standard Name: PCB Daily IS Exp: 8/24/10  
Spike ID Number: 09DXN374 Volume: 200  $\mu$ L Conc: 20.0 pg/ $\mu$ L  
Spiked By: ECJ Witnessed By: S Date: 12/2/09

LCS/LCSB: <sup>ecj 12/2/09</sup> Standard Name: PCB Daily NS Exp: 6/9/10  
Spike ID Number: 09DXN303 Volume: 200  $\mu$ L Conc: 20.0 pg/ $\mu$ L  
Spiked By: ECJ Witnessed By: S Date: 12/2/09

Pre-spike samples: MB only Standard Name: PCB Daily Surrogate  
Spike ID Number: 09DXN284 Volume: 40  $\mu$ L Conc: 100.0 pg/ $\mu$ L Exp: 4/29/10  
Spiked By: ECJ Witnessed By: S Date: 12/2/09

All Samples /Recovery Standard: Standard Name: Daily R<sub>s</sub> Exp: 1-28-10  
Spike ID Number: 09DXN094 Volume: 20  $\mu$ L Conc: 100.0 pg/ $\mu$ L  
Spiked By: / Witnessed By: / Date: 12/2/09

Spli/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB Si Gel Analyst/Date	Other (list)
<u>ML/12/04/09</u>	<u>-</u>	<u>-</u>	<u>T.L 12/04/09</u>	<u>-</u>

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
<u>DCM</u>	<u>JT Baker</u>	<u>NA</u>	<u>20% DCM:Hexane</u>	<u>NA</u>	<u>NA</u>
<u>Toluene</u>	<u>JT Baker</u>	<u>H28N60</u>	<u>65% DCM:Hexane</u>	<u>NA</u>	<u>NA</u>
<u>Hexane</u>	<u>JT Baker</u>	<u>H33E04</u>	<u>Silica Gel</u>	<u>Whatman</u>	<u>22-22</u>
<u>H2SO4</u>	<u>JT Baker</u>	<u>NA</u>	<u>Acid Alumina</u>	<u>NA</u>	<u>NA</u>

Comments: \_\_\_\_\_

## Preparation Data Review Checklist

Prep Batch(es)

Test: 1668 PCBs

Prep Date: 12/2/09

Holding Times: 11/7/10 NCM: Y N

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness:  \_\_\_\_\_

Date: 12/4/09 \_\_\_\_\_

2<sup>nd</sup> Level Reviewer:  \_\_\_\_\_

Date: 12/4/09 \_\_\_\_\_

Comments:

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January 29, 2010

**TestAmerica Project Number: G9L290466**

PO/Contract: 565

Haley Hudson  
Wenck Associates, Inc.  
11113 Houze Road  
Suite 200  
Roswell, GA 30076

Dear Ms. Hudson,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on December 29, 2009. These samples are associated with your KHF project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

CC: Huntington

## Table of Contents

### TestAmerica West Sacramento Project Number G9L290466

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, 1668, WHO PCB congeners

Samples: 1, 2, 3, 4

    Sample Data Sheets

    Method Blank Reports

    Laboratory QC Reports

Full Raw Data Package

## Case Narrative

### TestAmerica West Sacramento Project Number G9L290466

#### **AIR, 1668, WHO PCB congeners**

Sample(s): 3

The PCB 77 detection limit was elevated for this sample due to matrix interferences. This elevated detection limit has been "G" flagged and may be considered a maximum possible concentration.

Sample(s): 1, 2, 3, 4

The associated laboratory control sample was analyzed at a dilution due to an interference that affected the elution of 13C12-PCB 167.

There were no other anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

# Sample Summary

## TestAmerica West Sacramento Project Number G9L290466

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LRN62	1	DEC09-UMSI-TO9A	12/5/2009 12:01 AM	12/29/2009 08:45 AM
LRN68	2	DEC09-DMSI-TO9A	12/5/2009 12:01 AM	12/29/2009 08:45 AM
LRN69	3	DEC09-MSP-TO9A	12/5/2009 12:01 AM	12/29/2009 08:45 AM
LRN7A	4	DEC09-BLANK-TO9-DMSI	12/4/2009 09:15 AM	12/29/2009 08:45 AM

### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sampler ID \_\_\_\_\_  
 Temperature on Receipt \_\_\_\_\_  
 Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124-280 (1007)

Client: **CHEMICAL WASTE MANAGEMENT** Date: **12/28/09** Chain of Custody Number: **102989**  
 Address: **35251 OLD SKYLINE ROAD** Lab Number: \_\_\_\_\_  
 City: **KETTLEMAN CITY CA 93239** State: **CA** Zip Code: **93239** Page: **1** of **1**  
 Project Name and Location (State): **KHF** Site Contact: **STEVEN HAYMOND / KAREN DAVIS**  
 Contract/Purchase Order/Quote No.: **565** Carrier/Waybill Number: **FEO EX**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
DEC 09 - UMSI - T09A	12/05/09	0001	X					X								
DEC 09 - DMSI - T09A	↓	↓	X					X								
DEC 09 - MSP - T09A	↓	↓	X					X								
DEC 09 - BLANK - T09A - DMSI	12/04/09	0915	X					X								

Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  
 Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other: **STD**  
 1. Relinquished By: **See E John** Date: **12/28/09** Time: **1700**  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 1. Received By: **e kemp** Date: **12/29/09** Time: **1000**  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Sample Disposal:  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 QC Requirements (Specify): \_\_\_\_\_

(A fee may be assessed if samples are retained longer than 1 month)



CLIENT Wenck PM 140 LOG # 62610

LOT# (QUANTIMS ID) G9L290466 QUOTE# 81307 LOCATION W14D  
Checked (✓)

DATE RECEIVED 10/29/09 TIME RECEIVED 0845

DELIVERED BY  FEDEX  ON TRAC  CLIENT  
 GOLDENSTATE  UPS  GO-GETTERS  OTHER

TAL COURIER  TAL SF  VALLEY LOGISTICS

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) 279611

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

COC #(S) 102989

TEMPERATURE BLANK Observed: 3 Corrected: 3

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: NA Average \_\_\_\_\_ Corrected Average \_\_\_\_\_

**LABORATORY THERMOMETER ID:**  
IR UNIT: #4  #5   OTHER \_\_\_\_\_

CW 12/29/09  
Initials Date

pH MEASURED  YES  ANOMALY  N/A

LABELLED BY.....

LABELS CHECKED BY.....

PEER REVIEW \_\_\_\_\_  NA

SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING   
WETCHEM  N/A   
VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH  N/A   
APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)<sup>1</sup>  N/A   
 WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

CW 12/29/09  
Initials Date

Notes \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

<sup>1</sup> Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Lot

ID:

69L290466

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF	/	/	/	/																
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

**AIR, 1668,  
WHO PCB congeners**

Wenck Associates, Inc.

Client Sample ID: DEC09-UMSI-TO9A

Trace Level Organic Compounds

Lot-Sample #...: G9L290466-001    Work Order #...: LRN621AA    Matrix.....: AIR  
 Date Sampled...: 12/05/09    Date Received...: 12/29/09  
 Prep Date.....: 12/30/09    Analysis Date...: 01/07/10  
 Prep Batch #...: 9365156  
 Dilution Factor: 2

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>1400 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	98	(25 - 150)
13C12-PCB 81	98	(25 - 150)
13C12-PCB 118	97	(25 - 150)
13C12-PCB 114	88	(25 - 150)
13C12-PCB 105	81	(25 - 150)
13C12-PCB 126	101	(25 - 150)
13C12-PCB 156	114	(25 - 150)
13C12-PCB 157	105	(25 - 150)
13C12-PCB 167	90	(25 - 150)
13C12-PCB 169	98	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	81	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: DEC09-DMSI-T09A

Trace Level Organic Compounds

Lot-Sample #....: G9L290466-002    Work Order #....: LRN681AA    Matrix.....: AIR  
 Date Sampled....: 12/05/09    Date Received...: 12/29/09  
 Prep Date.....: 12/30/09    Analysis Date...: 01/07/10  
 Prep Batch #....: 9365156  
 Dilution Factor: 2

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>2400 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>5200 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	124	(25 - 150)
13C12-PCB 81	120	(25 - 150)
13C12-PCB 118	127	(25 - 150)
13C12-PCB 114	120	(25 - 150)
13C12-PCB 105	131	(25 - 150)
13C12-PCB 126	137	(25 - 150)
13C12-PCB 156	141	(25 - 150)
13C12-PCB 157	131	(25 - 150)
13C12-PCB 167	112	(25 - 150)
13C12-PCB 169	130	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	78	(25 - 150)

**NOTE (S) :**

C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: DEC09-MSP-TO9A

Trace Level Organic Compounds

Lot-Sample #....: G9L290466-003    Work Order #....: LRN691AA    Matrix.....: AIR  
 Date Sampled....: 12/05/09    Date Received...: 12/29/09  
 Prep Date.....: 12/30/09    Analysis Date...: 01/07/10  
 Prep Batch #....: 9365156  
 Dilution Factor: 2

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND G	1300	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 105 (BZ)</b>	<b>3100 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
<b>PCB 118 (BZ)</b>	<b>7000 C</b>	<b>1000</b>	<b>pg</b>	<b>EPA-14 1668</b>
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	114	(25 - 150)
13C12-PCB 81	107	(25 - 150)
13C12-PCB 118	117	(25 - 150)
13C12-PCB 114	112	(25 - 150)
13C12-PCB 105	123	(25 - 150)
13C12-PCB 126	132	(25 - 150)
13C12-PCB 156	133	(25 - 150)
13C12-PCB 157	123	(25 - 150)
13C12-PCB 167	106	(25 - 150)
13C12-PCB 169	122	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	78	(25 - 150)

**NOTE (S) :**

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.  
 C Co-eluting isomer.

Wenck Associates, Inc.

Client Sample ID: DEC09-BLANK-TO9-DMSI

Trace Level Organic Compounds

Lot-Sample #....: G9L290466-004    Work Order #....: LRN7A1AA    Matrix.....: AIR  
 Date Sampled....: 12/04/09    Date Received...: 12/29/09  
 Prep Date.....: 12/30/09    Analysis Date...: 01/07/10  
 Prep Batch #....: 9365156  
 Dilution Factor: 2

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	94	(25 - 150)
13C12-PCB 81	92	(25 - 150)
13C12-PCB 118	101	(25 - 150)
13C12-PCB 114	94	(25 - 150)
13C12-PCB 105	99	(25 - 150)
13C12-PCB 126	104	(25 - 150)
13C12-PCB 156	117	(25 - 150)
13C12-PCB 157	107	(25 - 150)
13C12-PCB 167	92	(25 - 150)
13C12-PCB 169	104	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 111	79	(25 - 150)

# QC DATA ASSOCIATION SUMMARY

G9L290466

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-14 1668		9365156	
002	AIR	EPA-14 1668		9365156	
003	AIR	EPA-14 1668		9365156	
004	AIR	EPA-14 1668		9365156	



METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G9L290466      Work Order #...: LRRDX1AA      Matrix.....: AIR  
 MB Lot-Sample #: G9L310000-156  
 Prep Date.....: 12/30/09  
 Analysis Date...: 01/07/10      Prep Batch #...: 9365156  
 Dilution Factor: 2

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
PCB 77 (BZ)	ND	1000	pg	EPA-14 1668
PCB 81 (BZ)	ND	1000	pg	EPA-14 1668
PCB 105 (BZ)	ND	1000	pg	EPA-14 1668
PCB 114 (BZ)	ND	1000	pg	EPA-14 1668
PCB 118 (BZ)	ND	1000	pg	EPA-14 1668
PCB 123 (BZ)	ND	1000	pg	EPA-14 1668
PCB 126 (BZ)	ND	1000	pg	EPA-14 1668
PCB 156 (BZ)	ND	1000	pg	EPA-14 1668
PCB 157 (BZ)	ND	1000	pg	EPA-14 1668
PCB 167 (BZ)	ND	1000	pg	EPA-14 1668
PCB 169 (BZ)	ND	1000	pg	EPA-14 1668
PCB 189 (BZ)	ND	1000	pg	EPA-14 1668

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 77	92	(25 - 150)
13C12-PCB 81	94	(25 - 150)
13C12-PCB 118	105	(25 - 150)
13C12-PCB 114	98	(25 - 150)
13C12-PCB 105	104	(25 - 150)
13C12-PCB 126	110	(25 - 150)
13C12-PCB 156	122	(25 - 150)
13C12-PCB 157	107	(25 - 150)
13C12-PCB 167	67	(25 - 150)
13C12-PCB 169	110	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 111	82	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9L290466      Work Order #...: LRRDX1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9L310000-156  
 Prep Date.....: 12/30/09      Analysis Date...: 01/12/10  
 Prep Batch #...: 9365156  
 Dilution Factor: 20

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	3970	pg	99	EPA-14 1668
PCB 81 (BZ)	4000	3610	pg	90	EPA-14 1668
PCB 105 (BZ)	4000	3980 C	pg	100	EPA-14 1668
PCB 114 (BZ)	4000	4160	pg	104	EPA-14 1668
PCB 118 (BZ)	4000	3950 C	pg	99	EPA-14 1668
PCB 123 (BZ)	4000	3840	pg	96	EPA-14 1668
PCB 126 (BZ)	4000	4110	pg	103	EPA-14 1668
PCB 156 (BZ)	4000	3660	pg	91	EPA-14 1668
PCB 157 (BZ)	4000	3900	pg	97	EPA-14 1668
PCB 167 (BZ)	4000	3460	pg	86	EPA-14 1668
PCB 169 (BZ)	4000	4430	pg	111	EPA-14 1668
PCB 189 (BZ)	4000	3790	pg	95	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	71	(25 - 150)
13C12-PCB 81	79	(25 - 150)
13C12-PCB 118	84	(25 - 150)
13C12-PCB 114	78	(25 - 150)
13C12-PCB 105	80	(25 - 150)
13C12-PCB 126	73	(25 - 150)
13C12-PCB 156	86	(25 - 150)
13C12-PCB 157	84	(25 - 150)
13C12-PCB 167	59	(25 - 150)
13C12-PCB 169	69	(25 - 150)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

C Co-eluting isomer.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9L290466      Work Order #...: LRRDX1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9L310000-156  
 Prep Date.....: 12/30/09      Analysis Date...: 01/12/10  
 Prep Batch #...: 9365156  
 Dilution Factor: 20

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
PCB 77 (BZ)	4000	3970	pg	99	EPA-14 1668
PCB 81 (BZ)	4000	3610	pg	90	EPA-14 1668
PCB 105 (BZ)	4000	3980 C	pg	100	EPA-14 1668
PCB 114 (BZ)	4000	4160	pg	104	EPA-14 1668
PCB 118 (BZ)	4000	3950 C	pg	99	EPA-14 1668
PCB 123 (BZ)	4000	3840	pg	96	EPA-14 1668
PCB 126 (BZ)	4000	4110	pg	103	EPA-14 1668
PCB 156 (BZ)	4000	3660	pg	91	EPA-14 1668
PCB 157 (BZ)	4000	3900	pg	97	EPA-14 1668
PCB 167 (BZ)	4000	3460	pg	86	EPA-14 1668
PCB 169 (BZ)	4000	4430	pg	111	EPA-14 1668
PCB 189 (BZ)	4000	3790	pg	95	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	71	(25 - 150)
13C12-PCB 81	79	(25 - 150)
13C12-PCB 118	84	(25 - 150)
13C12-PCB 114	78	(25 - 150)
13C12-PCB 105	80	(25 - 150)
13C12-PCB 126	73	(25 - 150)
13C12-PCB 156	86	(25 - 150)
13C12-PCB 157	84	(25 - 150)
13C12-PCB 167	59	(25 - 150)
13C12-PCB 169	69	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

C Co-eluting isomer.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**Trace Level Organic Compounds**

Client Lot #...: G9L290466      Work Order #...: LRRDX1AC      Matrix.....: AIR  
 LCS Lot-Sample#: G9L310000-156  
 Prep Date.....: 12/30/09      Analysis Date...: 01/12/10  
 Prep Batch #...: 9365156  
 Dilution Factor: 20

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
PCB 77 (BZ)	99	(50 - 150)	EPA-14 1668
PCB 81 (BZ)	90	(50 - 150)	EPA-14 1668
PCB 105 (BZ)	100 C	(50 - 150)	EPA-14 1668
PCB 114 (BZ)	104	(50 - 150)	EPA-14 1668
PCB 118 (BZ)	99 C	(50 - 150)	EPA-14 1668
PCB 123 (BZ)	96	(50 - 150)	EPA-14 1668
PCB 126 (BZ)	103	(50 - 150)	EPA-14 1668
PCB 156 (BZ)	91	(50 - 150)	EPA-14 1668
PCB 157 (BZ)	97	(50 - 150)	EPA-14 1668
PCB 167 (BZ)	86	(50 - 150)	EPA-14 1668
PCB 169 (BZ)	111	(50 - 150)	EPA-14 1668
PCB 189 (BZ)	95	(50 - 150)	EPA-14 1668

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C12-PCB 77	71	(25 - 150)
13C12-PCB 81	79	(25 - 150)
13C12-PCB 118	84	(25 - 150)
13C12-PCB 114	78	(25 - 150)
13C12-PCB 105	80	(25 - 150)
13C12-PCB 126	73	(25 - 150)
13C12-PCB 156	86	(25 - 150)
13C12-PCB 157	84	(25 - 150)
13C12-PCB 167	59	(25 - 150)
13C12-PCB 169	69	(25 - 150)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters  
 C Co-eluting isomer.

**AIR, 1668,  
WHO PCB congeners**

# **Raw Data Package**

## **Run/Batch Data**

*Includes (as applicable):*

*runlogs*

*continuing calibration standards*

*interference/performance check standards*

*continuing calibration blanks*

*method blanks*

*ics*

*ms/sd*

*sample raw data*

*ms tune data*

Method ID 1668MSL

Associated ICAL ICA0716 200910DS 1668MSL

Column ID DB5

Instrument ID 10D5

STD ID STD112

STD Solution 09DXN207

Analyzed by MGW/AM

Date Analyzed 1/12/10

Std. Pkg. By MGW

Date Std. Pkg. Assembled 1/15/10

Std. Pkg. Reviewed By M.G.

Date Std. Pkg. Reviewed 1/15/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	
Copy of log-file and Beginning Static Resolution present?	✓	
Column Performance blow up present	✓	
Curve Summary present?	✓	
Summary of Method criteria present or documented below?	✓	
Daily standard within method specified limits?	✓	
Analyte retention times correct?	✓	
Isotopic ratios within limits?	✓	
Column Performance valley ≤ method specified limits?*	✓	
Are chromatographic windows correct?	✓	
Samples analyzed within 12 hrs of daily standard?	✓	
Manual reintegration's checked and hardcopies included?	NA	
Ending Static Resolutions present?	✓	

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* **Method 1668A(PCBs):** ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.  
**Method 1614 (DBDs/DBFs):** ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* **Method 1668A (PCBs):** resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).  
**Method 1614 (DBDs/DBFs):** a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).



Dataset: C:\MassLynx\Default.pro\12JA1010D51668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time

Printed: Wednesday, January 13, 2010 4:30:04 PM Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42

Calibration: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 12JA1010D5\_1, Date: 12-Jan-2010, Time: 18:01:28, ID: ST0112, Description: CS-3 09DXN207

1	13C-PeCB-101	1035153	31.67	31.75	1.00000	1.00000	100.00	0.0	100.0	0.621	NO
2											
3	13C-TeCB-81	1003240	33.60	33.56	1.03984	0.96917	93.20	-6.8	93.2	0.774	NO
4	TeCB-81	751947	33.61	33.60	1.45839	1.49904	51.39	2.8	102.8	0.751	NO
5	13C-TeCB-77	1045539	34.28	34.25	1.10430	1.01003	91.46	-8.5	91.5	0.771	NO
6	TeCB-77	669356	34.32	34.28	1.27061	1.28040	50.39	0.8	100.8	0.745	NO
7											
8	13C-PeCB-123	960186	35.93	35.93	0.99324	0.92758	93.39	-6.6	93.4	0.629	NO
9	PeCB-123	777554	35.96	35.93	1.50539	1.61959	53.79	7.6	107.6	0.616	NO
10	13C-PeCB-118	1009696	36.10	36.10	1.02407	0.97541	95.25	-4.8	95.2	0.649	NO
11	PeCB-118/106	855664	36.13	36.10	1.52536	1.69489	55.56	11.1	111.1	0.619	NO
12	13C-PeCB-114	1036386	36.88	36.88	1.03691	1.00119	96.56	-3.4	96.6	0.627	NO
13	PeCB-114	876357	36.92	36.88	1.58603	1.69118	53.31	6.6	106.6	0.617	NO
14	13C PeCB-105	966844	37.96	37.96	0.98151	0.93401	95.16	-4.8	95.2	0.620	NO
15	PeCB-105/127	746522	37.97	37.96	1.43326	1.54424	53.87	7.7	107.7	0.611	NO
16	13C-PeCB-126	957195	40.29	40.26	1.02999	0.92469	89.78	-10.2	89.8	0.622	NO
17	PeCB-126	610033	40.31	40.29	1.15582	1.27463	55.14	10.3	110.3	0.603	NO
18											
19	13C-OcCB-202	1287201	43.04	43.16	1.00000	1.00000	100.00	0.0	100.0	0.884	NO
20											
21	13C-HxCB-167	1287571	41.63	41.58	1.00247	1.00029	99.78	-0.2	99.8	1.286	NO
22	HxCB-167	807808	41.64	41.63	1.34796	1.25478	46.54	-6.9	93.1	1.233	NO
23	13C-HxCB-156	992441	43.21	43.16	0.78510	0.77101	98.20	-1.8	98.2	1.271	NO
24	HxCB-156	843112	43.22	43.21	1.68840	1.69907	50.32	0.6	100.6	1.207	NO
25	13C-HxCB-157	1060737	43.58	43.55	0.83526	0.82406	98.66	-1.3	98.7	1.268	NO
26	HxCB-157	874087	43.61	43.58	1.65965	1.64808	49.65	-0.7	99.3	1.220	NO
27	13C-HxCB-169	1077578	45.82	45.77	0.87128	0.83715	98.08	-3.9	96.1	1.274	NO
28	HxCB-169	587369	45.85	45.82	1.09832	1.09016	49.63	-0.7	99.3	1.238	NO
29											
30	13C-HpCB-180	971191	44.35	44.34	0.68403	0.75450	110.30	10.3	110.3	1.055	NO
31	HpCB-180	635283	44.37	44.35	1.30035	1.30825	50.30	0.6	100.6	1.026	NO
32	13C-HpCB-170	767546	46.35	46.34	0.54773	0.59629	108.87	8.9	108.9	1.064	NO
33	HpCB-170	621656	46.38	46.35	1.61501	1.61985	50.15	0.3	100.3	1.029	NO
34	13C-HpCB-189	952209	48.27	48.23	0.69767	0.73975	106.03	6.0	106.0	1.047	NO
35	HpCB-189	592163	48.29	48.27	1.23073	1.24377	50.53	1.1	101.1	1.005	NO
36											
37	13C-PeCB-111	1351701	33.43	33.51	1.30475	1.37081	105.06	5.1	105.1	0.634	NO
38											
39	Function 3 PFK			0.00							
40	Function 4 PFK			0.00							

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\12JA1010D5.SPL  
 Last Modified: Wednesday, January 13, 2010 20:48:37 Pacific Standard Time  
 Printed: Thursday, January 14, 2010 15:13:16 Pacific Standard Time

Page 1 of 3

Page Position (1, 1)

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1	12JA1010D5_1	CS-3 09DXN207	ST0112	---	1.000000	---	---
2	12JA1010D5_2	Solvent Blank C-12	SB0112	---	1.000000	---	---
3	12JA1010D5_3	<del>CS-3 09DXN207</del> 1LCS (10x)	LRRDX-1-ACC	1668/Air	82	0.500000	Samp 20
4	12JA1010D5_4	F0A070524-1MB	LR1VW-1-AAB	1668/Solid	86	10.000000	g 20
5	12JA1010D5_5	F0A070524-1LCS	LR1VW-1-ACC	1668/Solid	---	10.000000	g 20
6	12JA1010D5_6	F0A070524-1	LRX2J-1-AA	1668/Solid	---	10.105000	g 20
7	12JA1010D5_7	F0A070524-2	LRX2V-1-AA	1668/Solid	---	10.400000	g 20
8	12JA1010D5_8	F0A070524-3	LRX2W-1-AA	1668/Solid	---	10.445000	g 20
9	12JA1010D5_9	F0A070524-4	LRX2X-1-AA	1668/Solid	---	10.345000	g 20
10	12JA1010D5_10	F0A070524-5	LRX22-1-AA	1668/Solid	---	10.195000	g 20
11	12JA1010D5_11	F0A070524-6	LRX23-1-AA	1668/Solid	---	10.170000	g 20
12	12JA1010D5_12	F0A070524-7	LRX24-1-AA	1668/Solid	---	10.490000	g 20
13	12JA1010D5_13	Solvent Blank C-12	SB0112A	---	1.000000	---	---
14	12JA1010D5_14	CS-3 09DXN207	ST0112A	---	1.000000	---	---
15	12JA1010D5_15	IS QC 10DXN006	QC10DXN006	1668	QC51	1.000000	Samp 20
16	12JA1010D5_16	F0A070524-8	LRX25-1-AA	1668/Solid	86	10.015000	g 20
17	12JA1010D5_17	Solvent Blank C-12	SB0112B	---	1.000000	---	---
18	12JA1010D5_18	F0A070524-8 RI	LRX25-1-AA	1668/Solid	86	10.015000	g 20
19	12JA1010D5_19	F0A070524-9	LRX26-1-AA	1668/Solid	---	10.315000	g 20
20	12JA1010D5_20	F0A070524-10	LRX27-1-AA	1668/Solid	---	10.160000	g 20
21	12JA1010D5_21	F0A070524-11	LRX28-1-AA	1668/Solid	---	10.005000	g 20
22	12JA1010D5_22	F0A070524-12	LRX29-1-AA	1668/Solid	---	10.315000	g 20
23	12JA1010D5_23	F0A070524-13	LRX3A-1-AA	1668/Solid	---	10.155000	g 20
24	12JA1010D5_24	F0A070524-13MS	LRX3A-1-ADS	1668/Solid	---	10.020000	g 20
25	12JA1010D5_25	F0A070524-13SD	LRX3A-1-AED	1668/Solid	---	10.220000	g 20
26	12JA1010D5_26	F0A070524-14	LRX3C-1-AA	1668/Solid	---	10.300000	g 20
27	12JA1010D5_27	F0A070524-15	LRX3D-1-AA	1668/Solid	---	10.015000	g 20
28	12JA1010D5_28	Solvent Blank C-12	SB0112C	---	1.000000	---	---
29	12JA1010D5_29	CS-3 09DXN207	ST0112B	---	1.000000	---	---
30	12JA1010D5_30	Solvent Blank C-12	SB0112D	---	1.000000	---	---
31	12JA1010D5_31	F0A070524-15	LRX3D-1-AA	1668/Solid	86	10.015000	g 20
32	12JA1010D5_32	F0A070524-16	LRX3F-1-AA	1668/Solid	---	10.075000	g 20
33	12JA1010D5_33	F0A070524-17	LRX3G-1-AA	1668/Solid	---	10.170000	g 20
34	12JA1010D5_34	F0A070524-18	LRX3H-1-AA	1668/Solid	---	10.005000	g 20
35	12JA1010D5_35	F0A070524-19	LRX3K-1-AA	1668/Solid	---	10.435000	g 20
36	12JA1010D5_36	F0A070524-20	LRX3L-1-AA	1668/Solid	---	10.100000	g 20
37	12JA1010D5_37	F0A070524-21	LRX3N-1-AA	1668/Solid	87	10.220000	g 20
38	12JA1010D5_38	F0A070524-22	LRX3Q-1-AA	1668/Solid	---	10.485000	g 20
39	12JA1010D5_39	F0A070524-23	LRX3R-1-AA	1668/Solid	---	10.470000	g 20
40	12JA1010D5_40	F0A070524-24	LRX3T-1-AA	1668/Solid	---	10.425000	g 20
41	12JA1010D5_41	Solvent Blank C-12	SB0112E	---	1.000000	---	---
42	12JA1010D5_42	CS-3 09DXN207	ST0112C	---	1.000000	---	---
43	12JA1010D5_43	Solvent Blank C-12	SB0112F	---	1.000000	---	---
44	12JA1010D5_44	F0A070524-21MB	LR1V1-1-AAB	1668/Solid	87	10.000000	g 20
45	12JA1010D5_45	F0A070524-21LCS	LR1V1-1-ACC	1668/Solid	---	10.000000	g 20
46	12JA1010D5_46	F0A070524-25	LRX3W-1-AA	1668/Solid	---	10.065000	g 20
47	12JA1010D5_47	F0A070524-26	LRX3X-1-AA	1668/Solid	---	10.105000	g 20
48	12JA1010D5_48	F0A070524-27	LRX30-1-AA	1668/Solid	---	10.195000	g 20

logfile checked  
 01-14-10  
 SMA

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\12JA1010D5.SPL  
 Last Modified: Wednesday, January 13, 2010 20:48:37 Pacific Standard Time  
 Printed: Thursday, January 14, 2010 15:13:16 Pacific Standard Time

Page 2 of 3  
 Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	50	100	100	100
Tray1:2	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	--	--
Tray1:3	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:4	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:5	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:6	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:7	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:8	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:9	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:10	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:11	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:12	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:13	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	--	--	--	--
Tray1:14	1.000000	Analyte	AM 01-12-10	1668M10D5	1668M10D5	50	100	100	100
Tray1:15	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:16	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:17	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	--	--
Tray1:18	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:19	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:20	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:21	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:22	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:23	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:24	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:25	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:26	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:27	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:28	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	--	--
Tray1:29	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	50	100	100	100
Tray1:30	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	--	--
Tray1:31	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:32	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:33	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:34	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:35	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
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Tray1:37	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:38	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:39	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:40	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:41	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	--	--
Tray1:42	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	50	100	100	100
Tray1:43	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	--	--
Tray1:44	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:45	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:46	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:47	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000
Tray1:48	1.000000	Analyte	AM/SMA 01-12-10	1668M10D5	1668M10D5	--	--	2000	2000

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\12JA1010D5.SPL  
Last Modified: Wednesday, January 13, 2010 20:48:37 Pacific Standard Time  
Printed: Thursday, January 14, 2010 15:13:16 Pacific Standard Time

Page 3 of 3

Page Position (3, 1)

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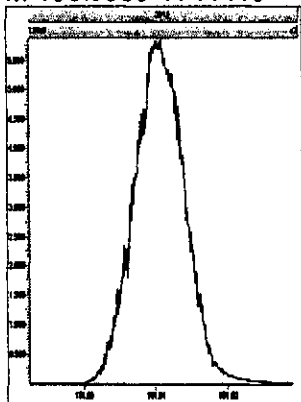
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12/13/2009 10:00:00 AM  
12/13/2009 10:00:00 AM  
12/13/2009 10:00:00 AM  
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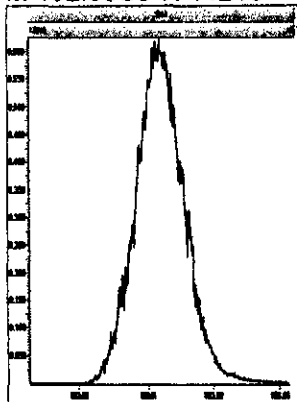
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Printed: Tuesday, January 12, 2010 17:53:38 Pacific Standard Time

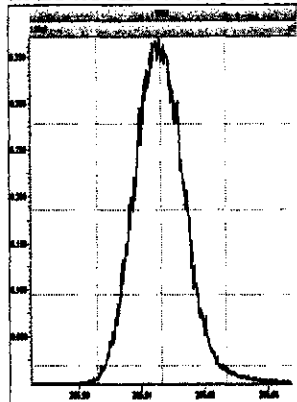
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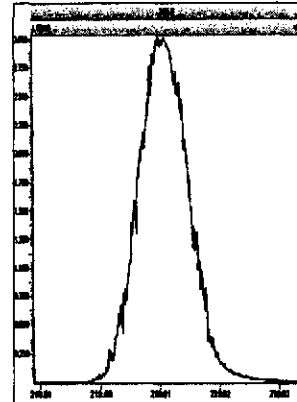
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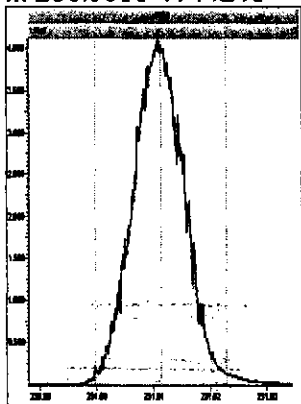
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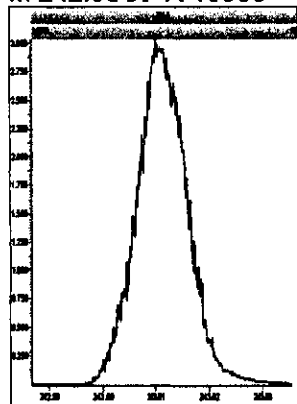
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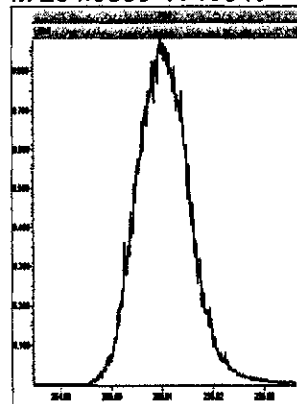
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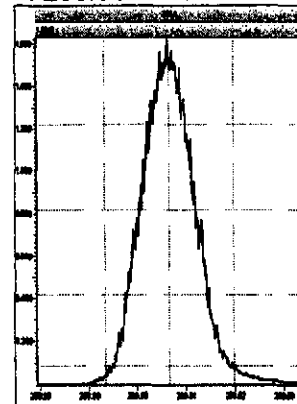
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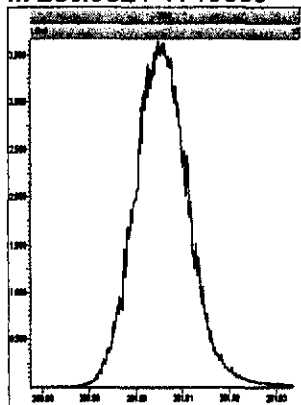
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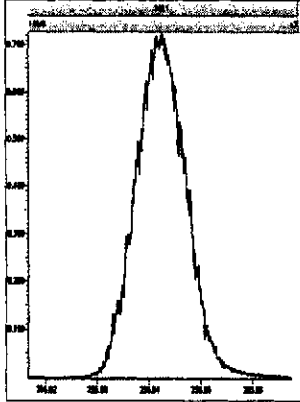
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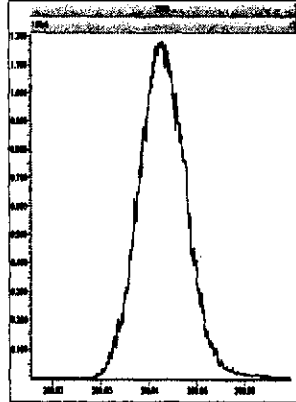
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Printed: Tuesday, January 12, 2010 17:55:25 Pacific Standard Time

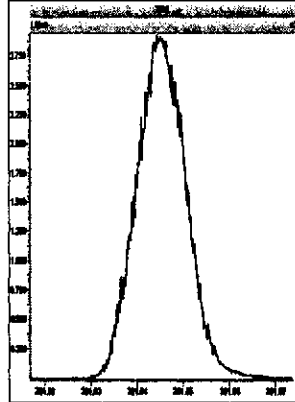
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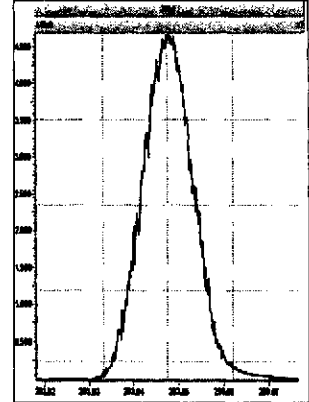
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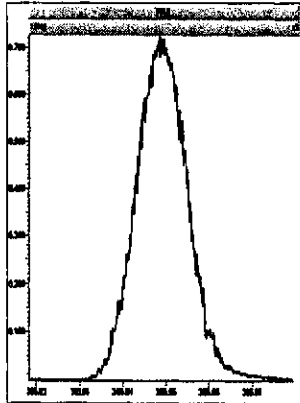
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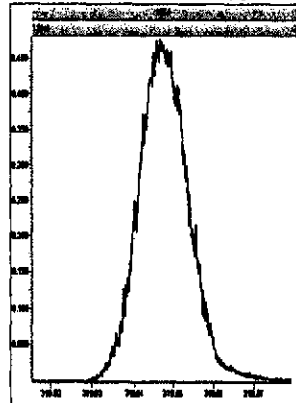
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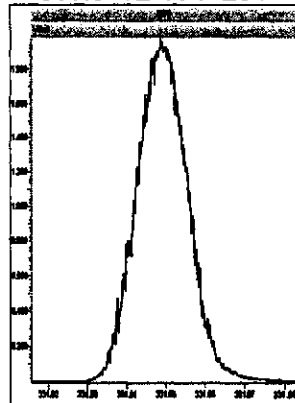
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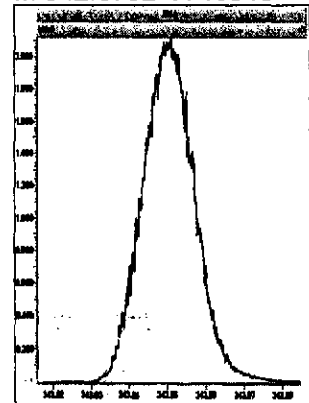
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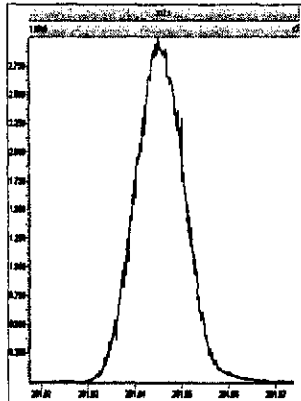
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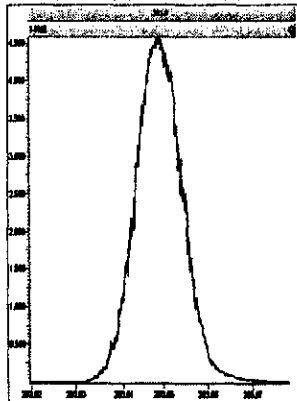
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Printed: Tuesday, January 12, 2010 17:56:32 Pacific Standard Time

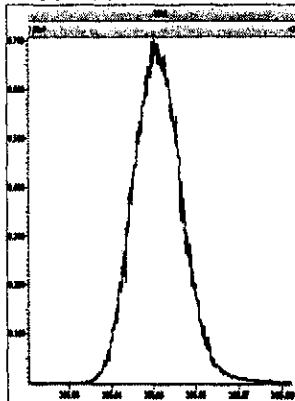
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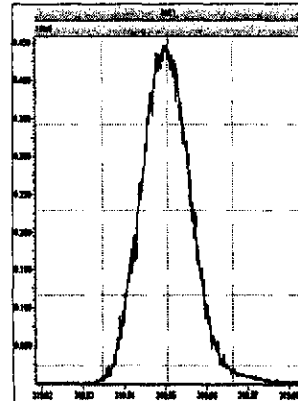
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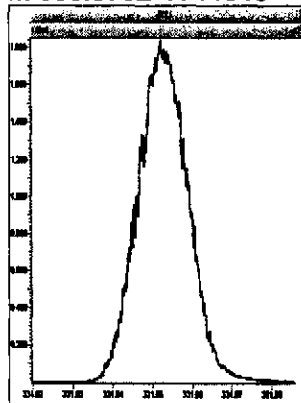
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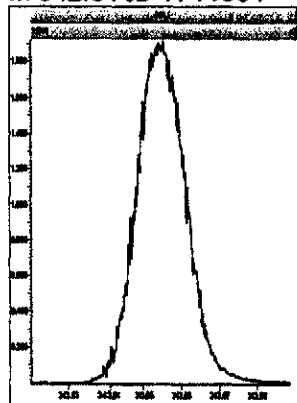
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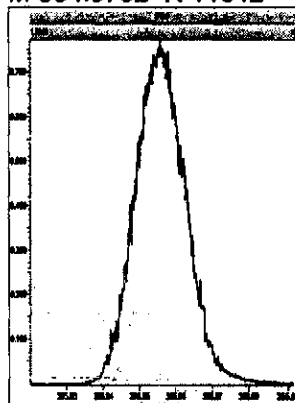
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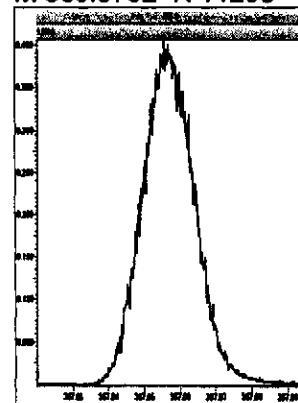
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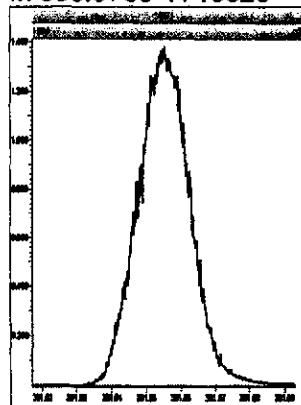
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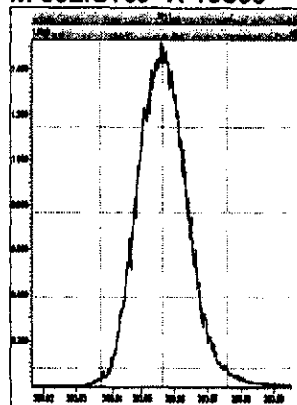
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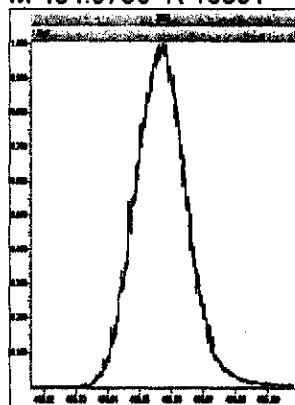
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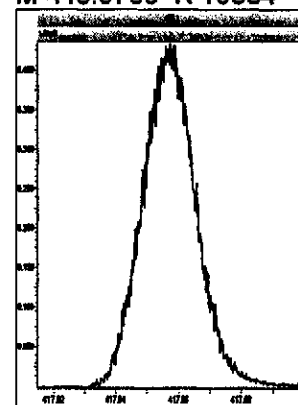
M 392.9760 R 10638



M 404.9760 R 10591



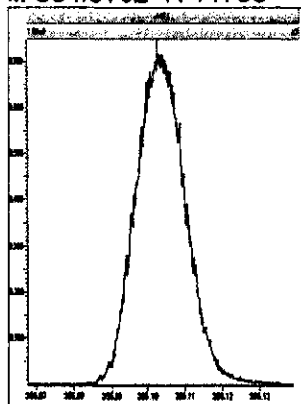
M 416.9760 R 10684



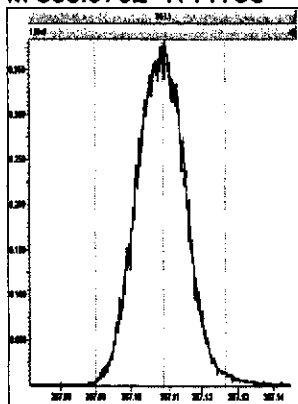
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Printed: Tuesday, January 12, 2010 17:58:11 Pacific Standard Time

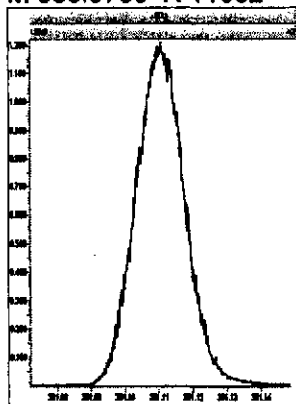
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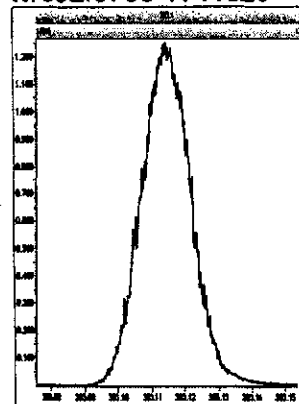
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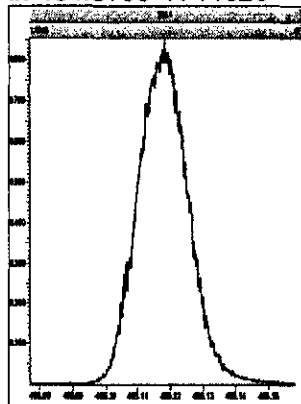
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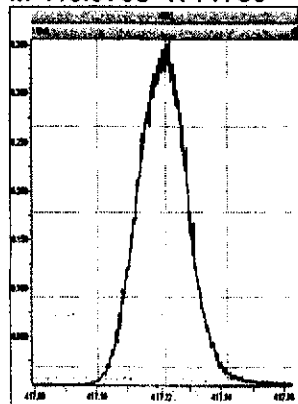
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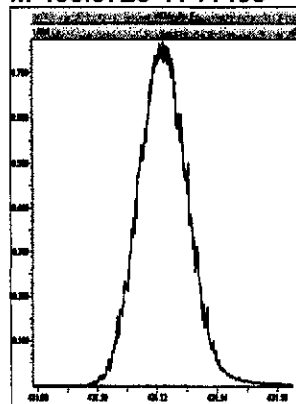
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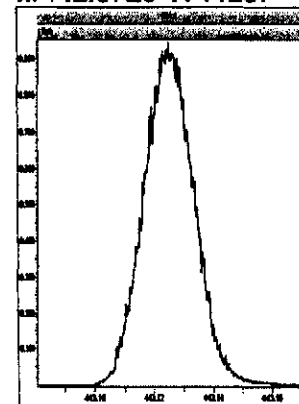
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M 430.9728 R 11465



M 442.9728 R 11257

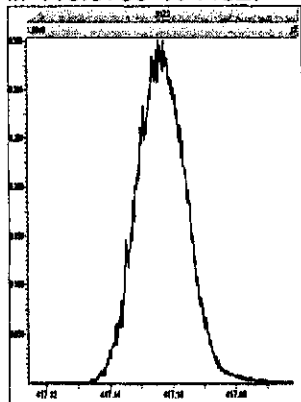




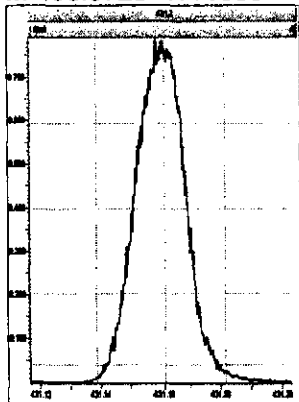
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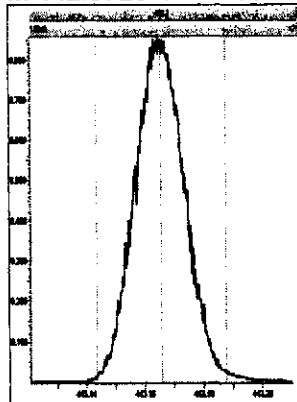
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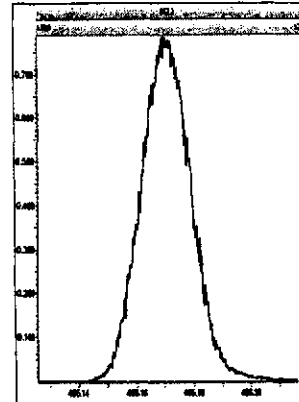
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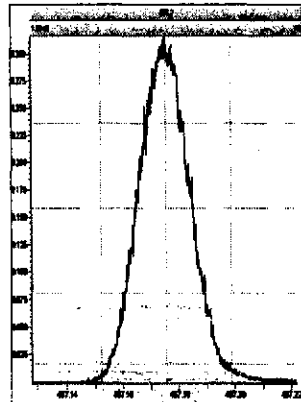
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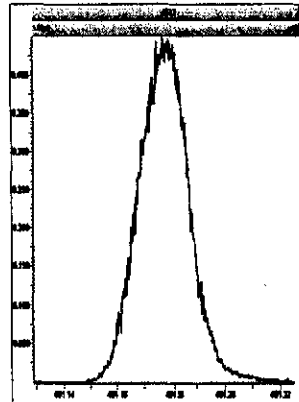
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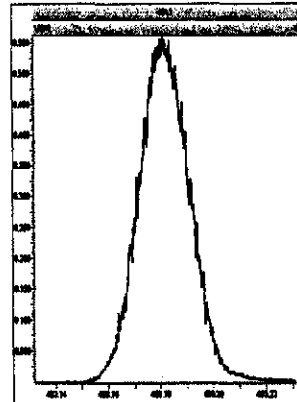
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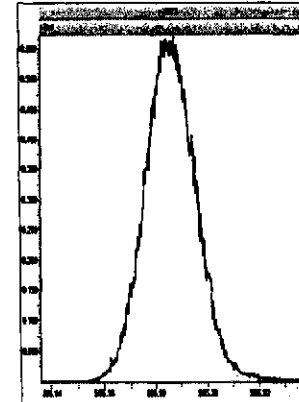
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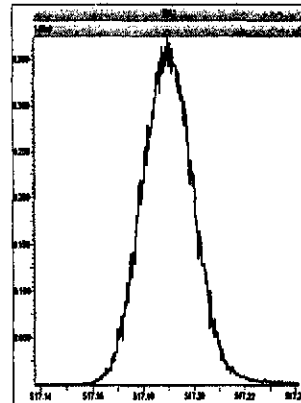
M 492.9696 R 11161



M 504.9696 R 10916



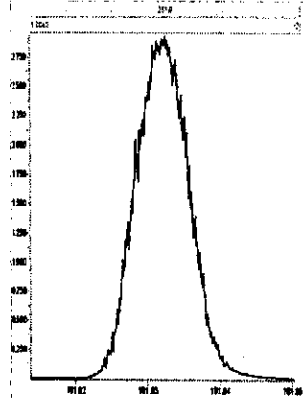
M 516.9697 R 11266



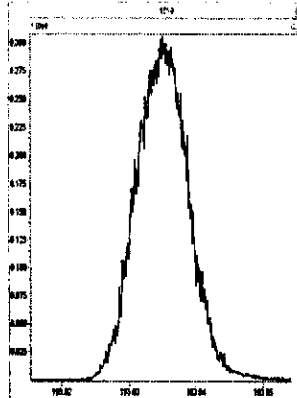
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Printed: Thursday, January 14, 2010 17:09:01 Pacific Standard Time

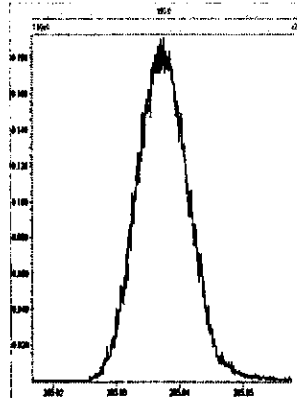
M 180.9888 R 11012



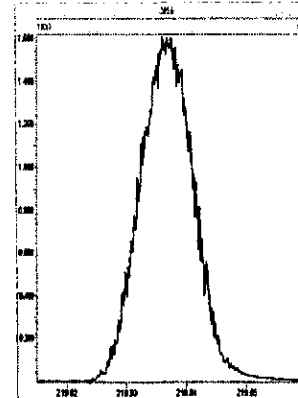
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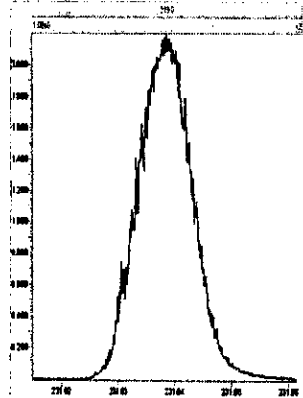
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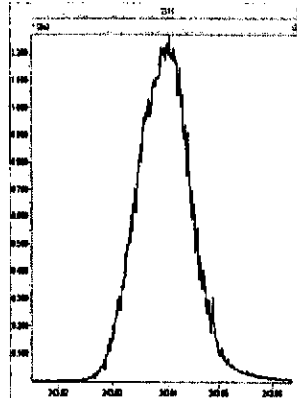
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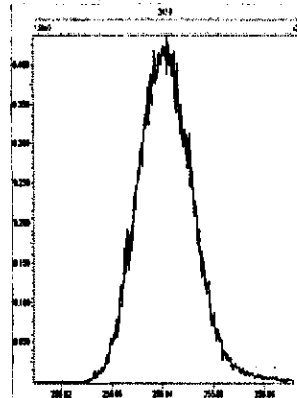
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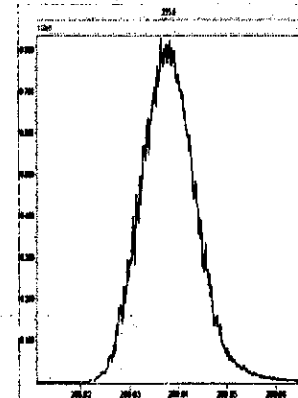
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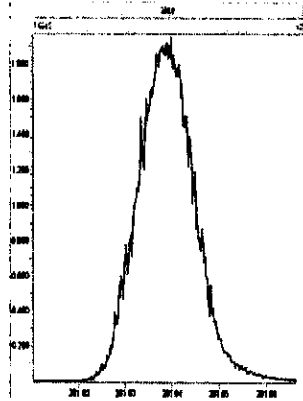
M 254.9856 R 10245



M 268.9824 R 10122



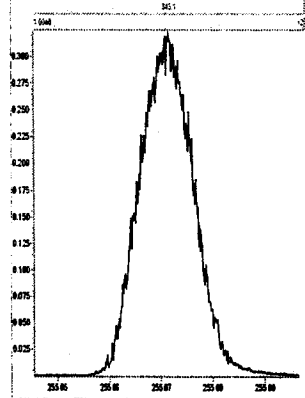
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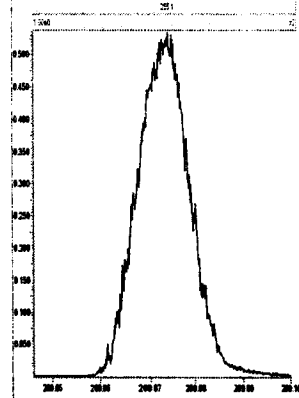
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Printed: Thursday, January 14, 2010 17:11:10 Pacific Standard Time

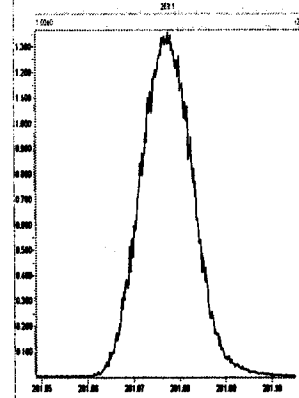
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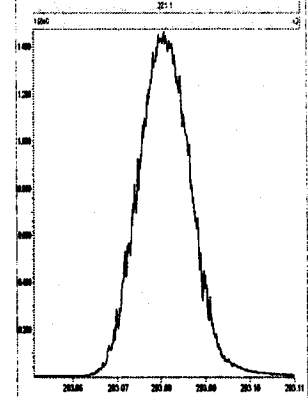
M 268.9824 R 11314



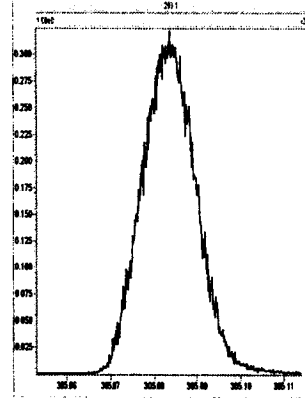
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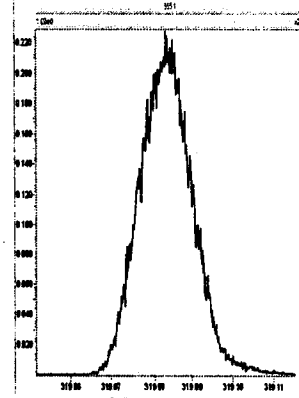
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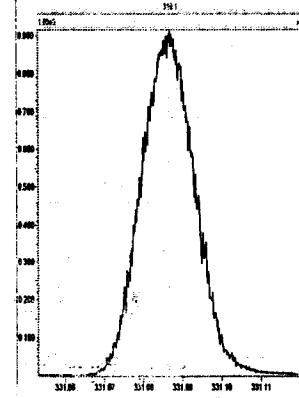
M 304.9824 R 10778



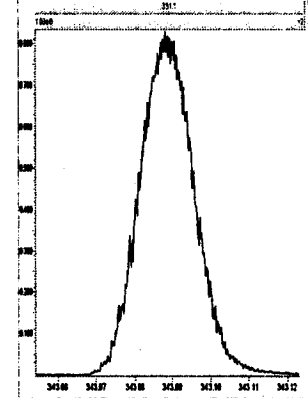
M 318.9792 R 10917



M 330.9792 R 10420



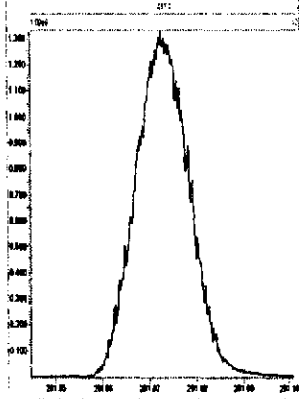
M 342.9792 R 10546



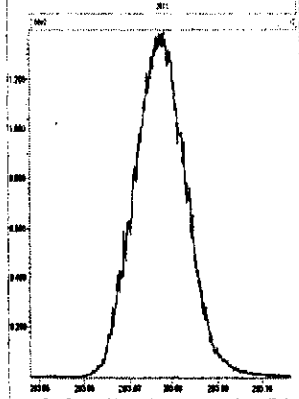
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Printed: Thursday, January 14, 2010 17:13:31 Pacific Standard Time

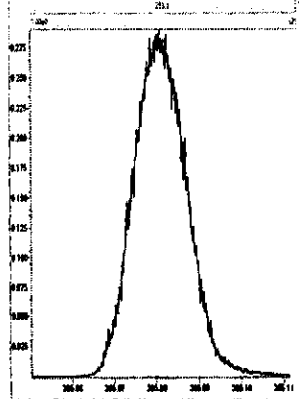
M 280.9824 R 11160



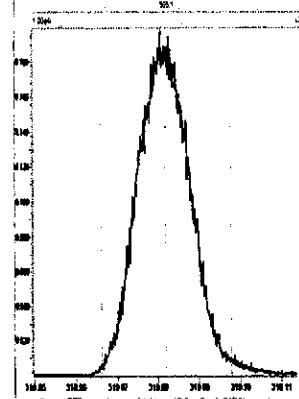
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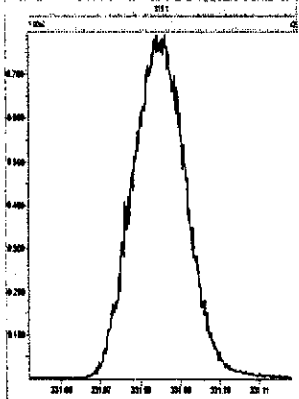
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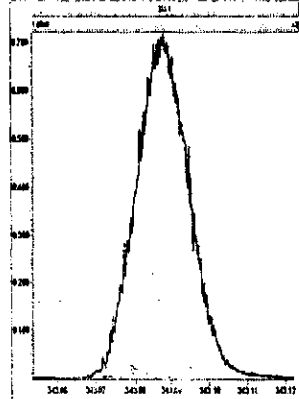
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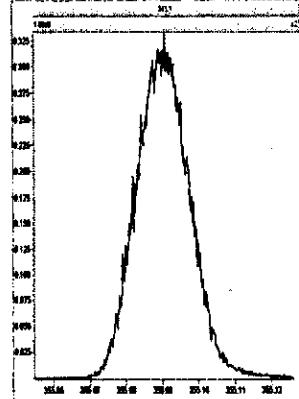
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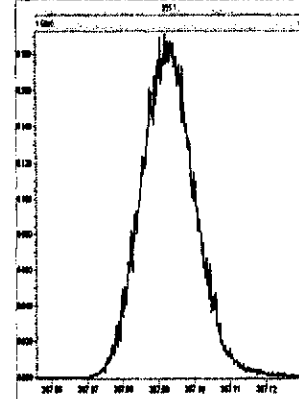
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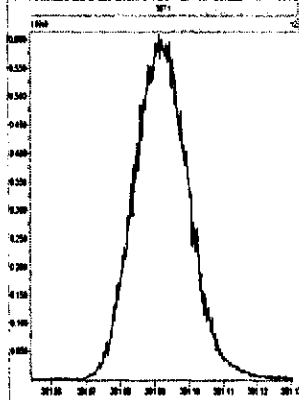
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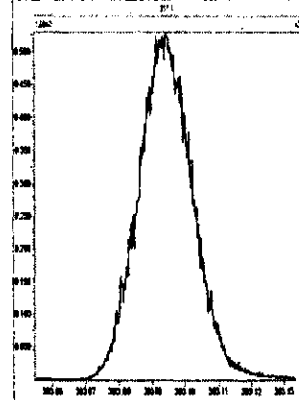
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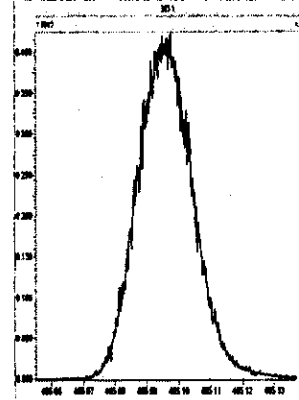
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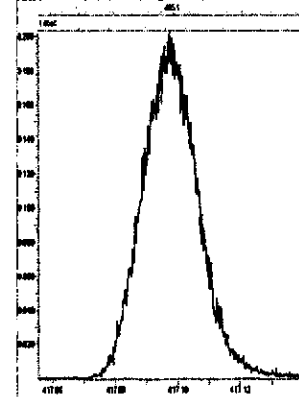
M 392.9760 R 10504



M 404.9760 R 10245



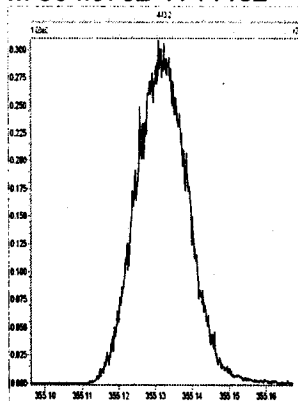
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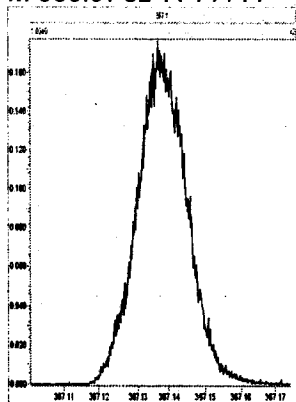
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Printed: Thursday, January 14, 2010 17:14:30 Pacific Standard Time

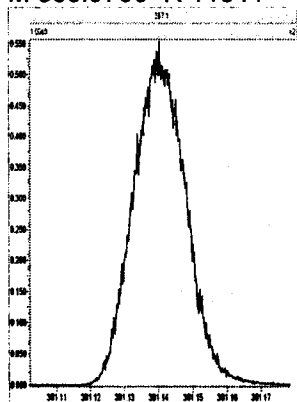
M 354.9792 R 11162



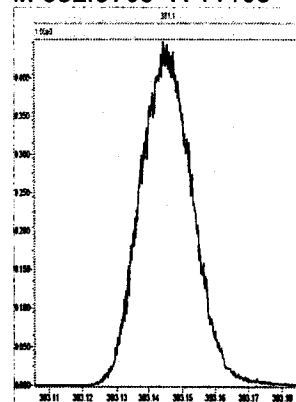
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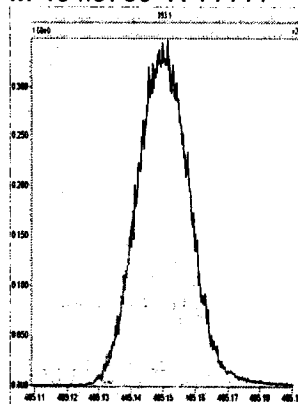
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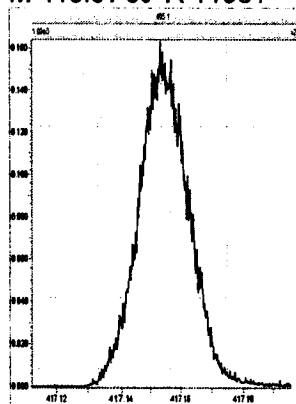
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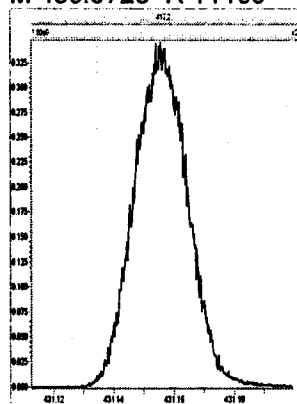
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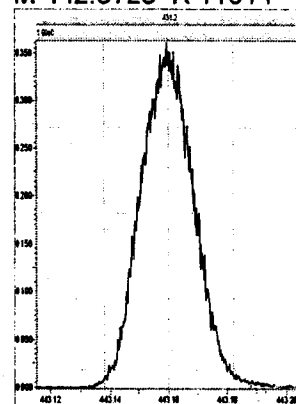
M 416.9760 R 11061



M 430.9728 R 11109



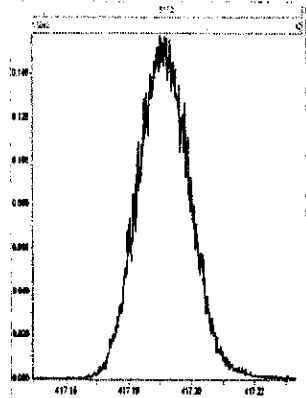
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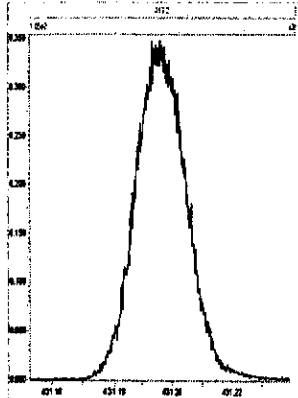
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Printed: Thursday, January 14, 2010 17:16:18 Pacific Standard Time

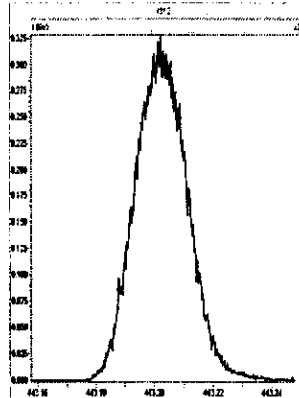
M 416.9760 R 11062



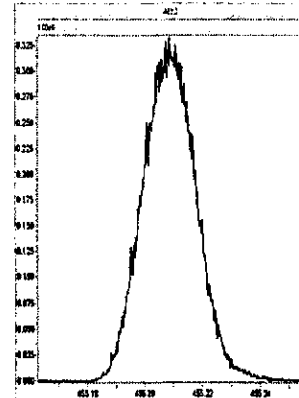
M 430.9728 R 11061



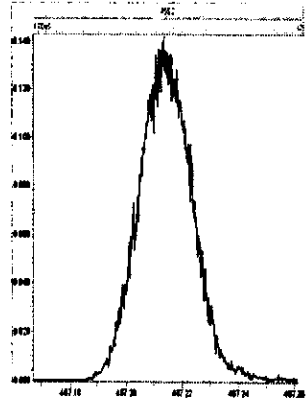
M 442.9728 R 11011



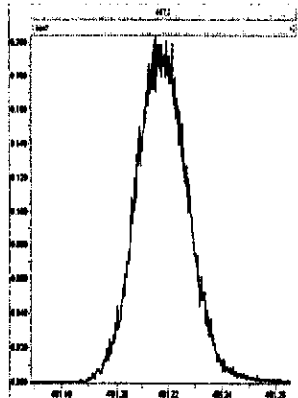
M 454.9728 R 10914



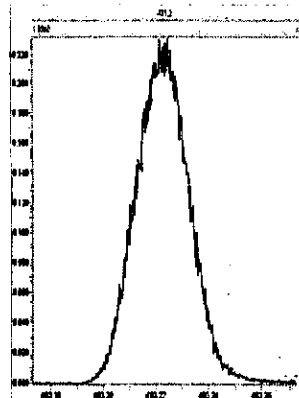
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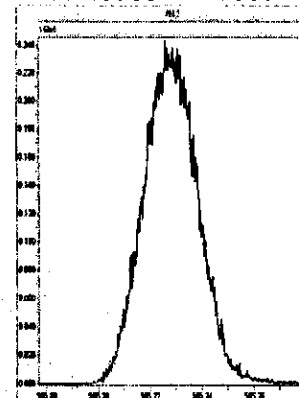
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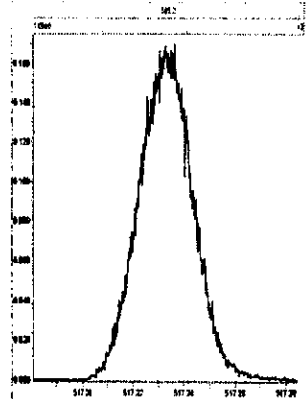
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M 504.9696 R 10869



M 516.9697 R 10916



CS-3 09DXN207

12JA1010D5\_1

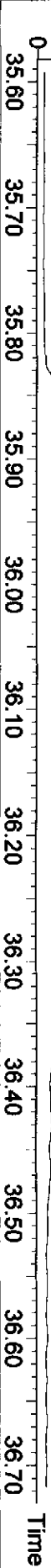
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%

35.96

36.13

3: Voltage SIR 17 Channels EI+  
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3.07e6



Dataset: C:\MassLynx\Default.pro\12JA1010D51668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time

Printed: Wednesday, January 13, 2010 4:30:19 PM Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

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2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			



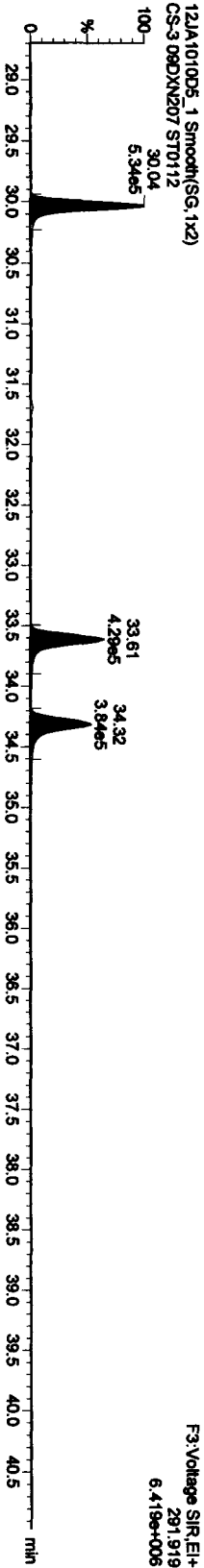
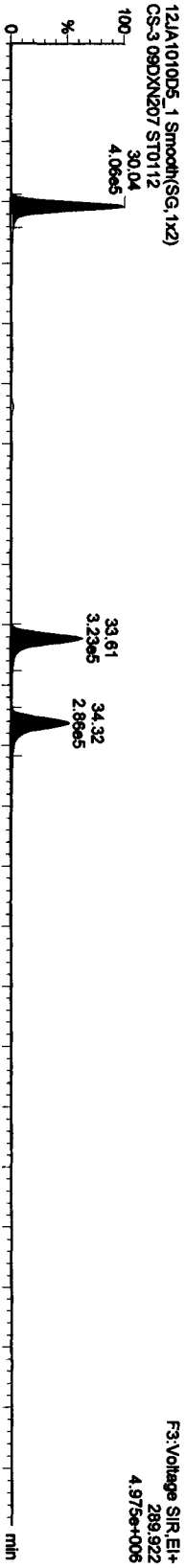
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Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

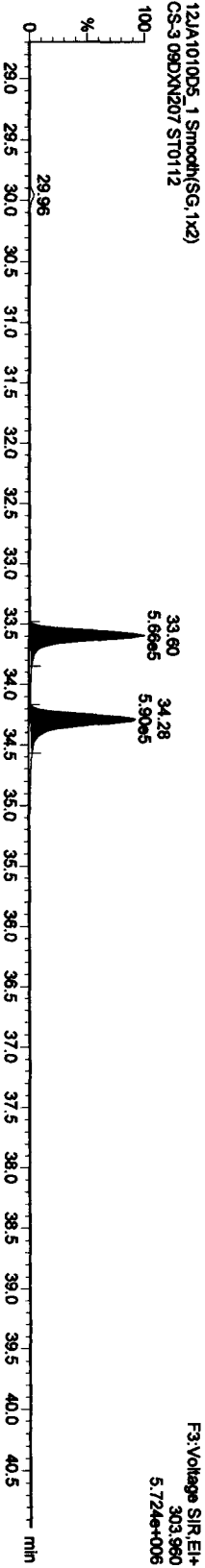
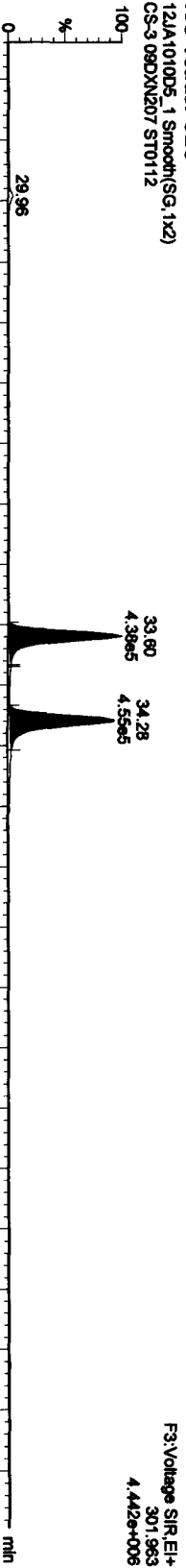
Method: C:\MassLynx\Default.pro\Methdb\1668MSL\_10DB5.mdb 05 Nov 2009 11:40:42  
Calibration: C:\MassLynx\Default.pro\CurveDb\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 12JA1010D5\_1, Date: 12-Jan-2010, Time: 18:01:28, ID: ST0112, Description: CS-3 09DXN207

**TetraPCBs**



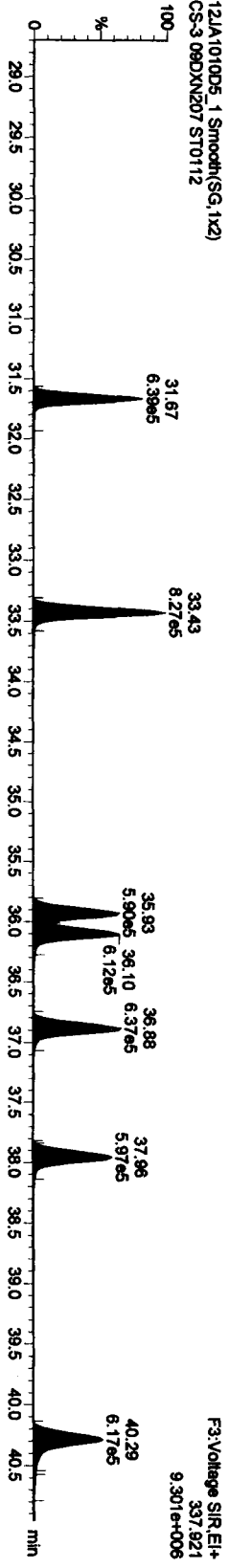
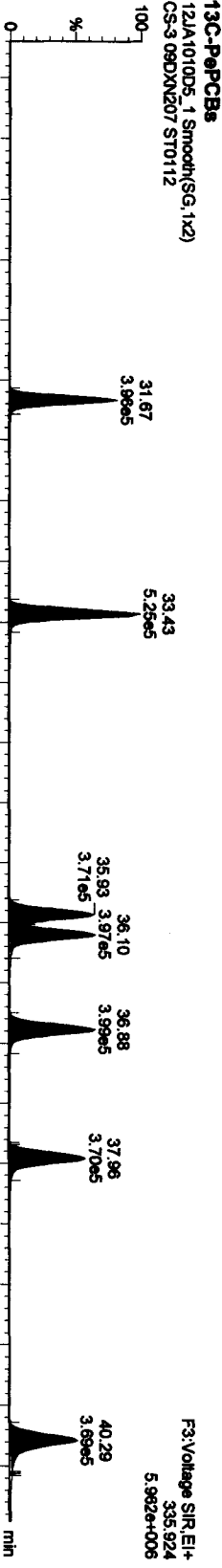
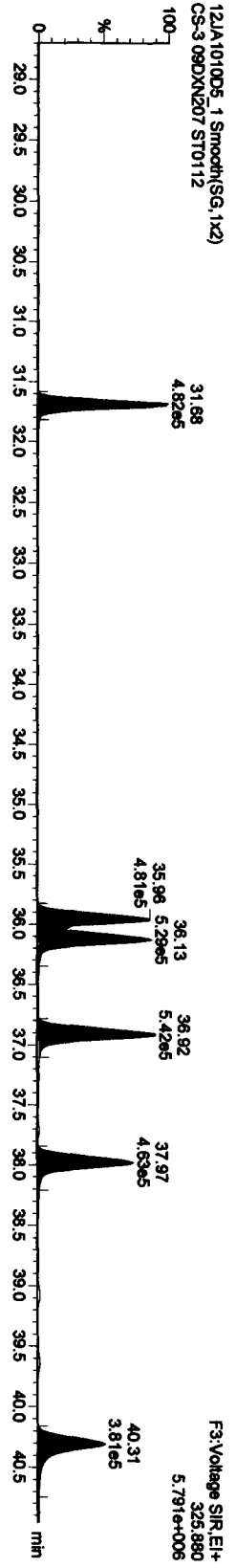
**13C-TetrastPCBs**



Dataset: C:\MassLynxDefault\proj\12JA1010D5\1668MSL.qid

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_1, Date: 12-Jan-2010, Time: 18:01:28, ID: ST0112, Description: CS-3 09DXN207

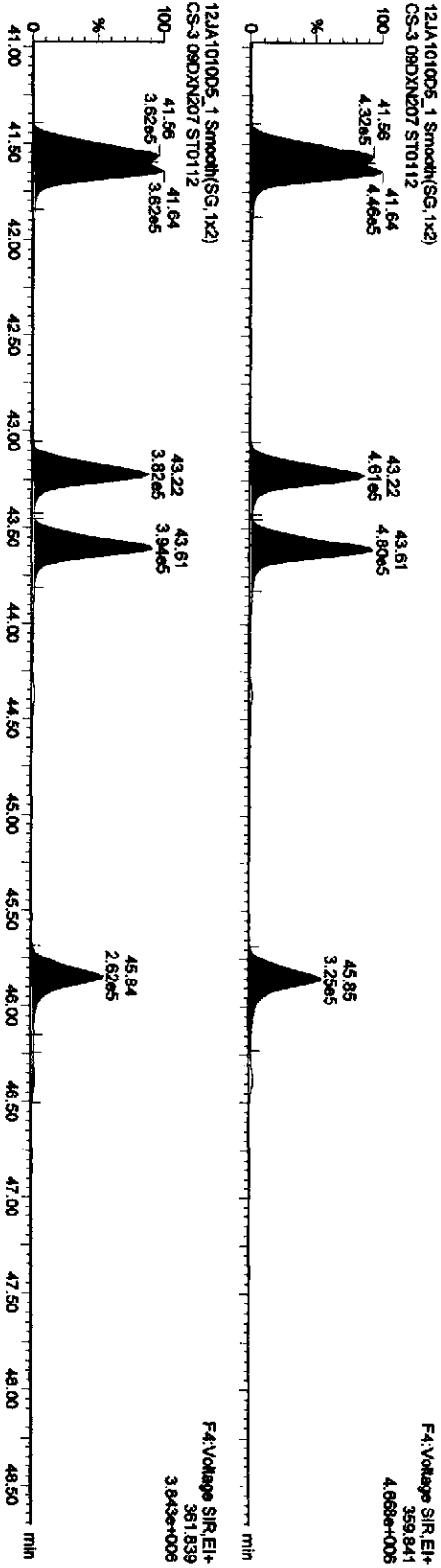


Dataset: C:\MassLynxDefault\proj\12JA1010D5\1668MSL.qid

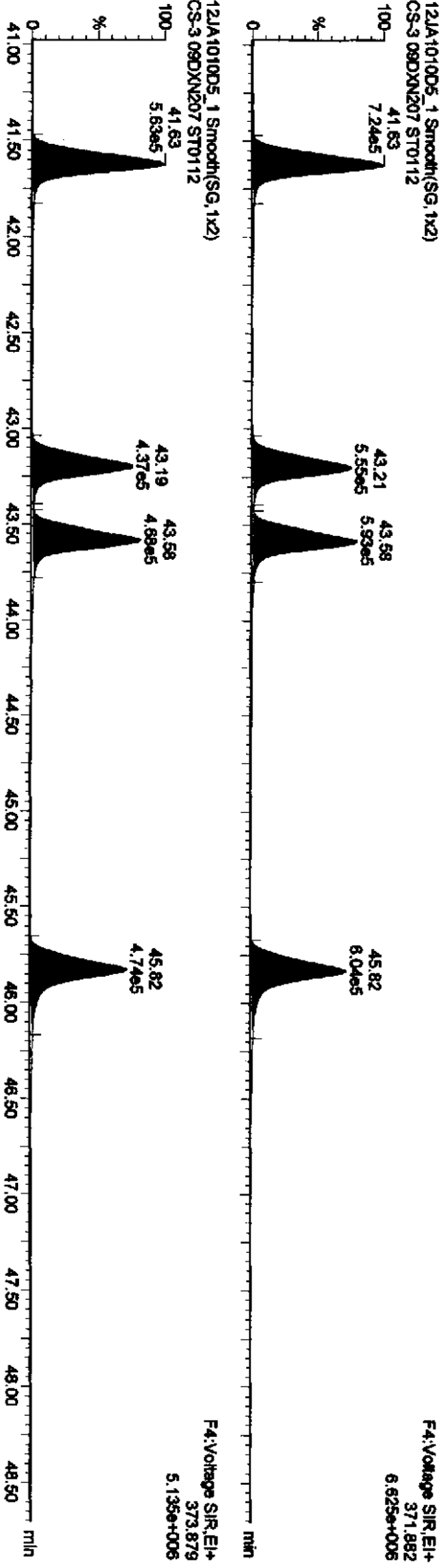
Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_1, Date: 12-Jan-2010, Time: 18:01:28, ID: ST0112, Description: CS-3 09DXN207

HxPCBs-



13C-HxPCBs

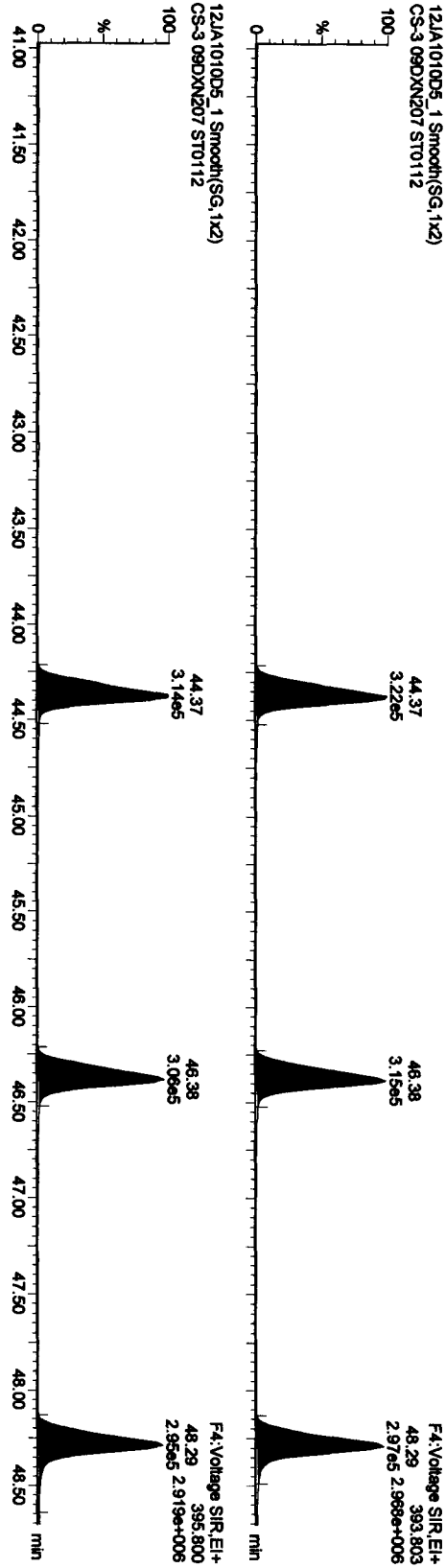


Dataset: C:\MassLynx\Default\pro\12JA1010D51668MSL.qld

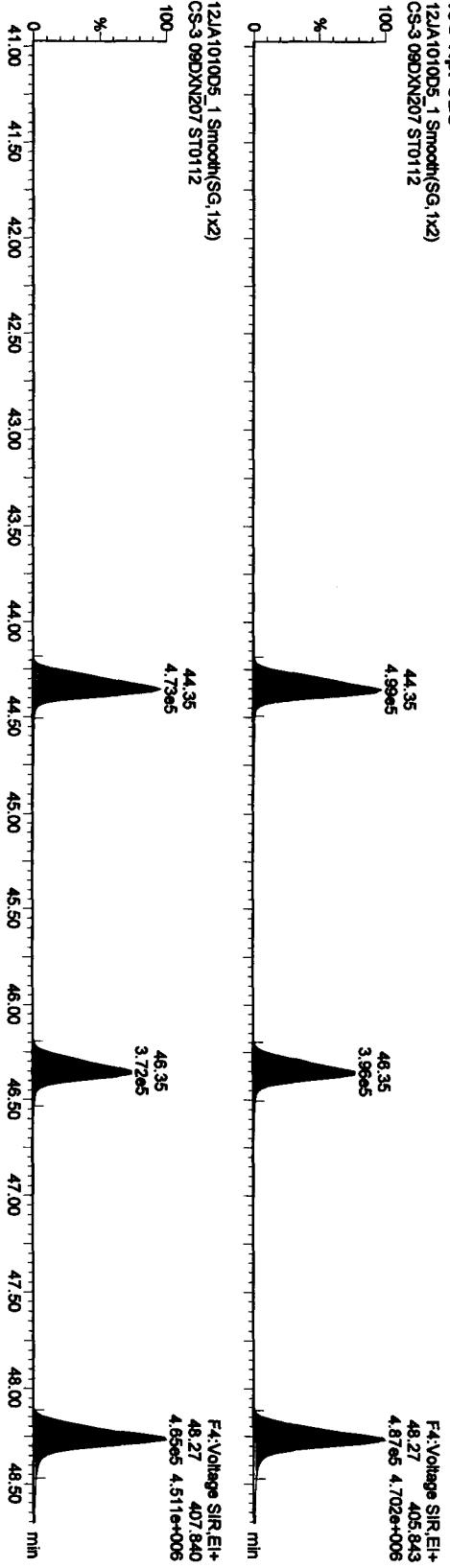
Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_1, Date: 12-Jan-2010, Time: 18:01:28, ID: ST0112, Description: CS-3 09DXN207

**HPPCBs**



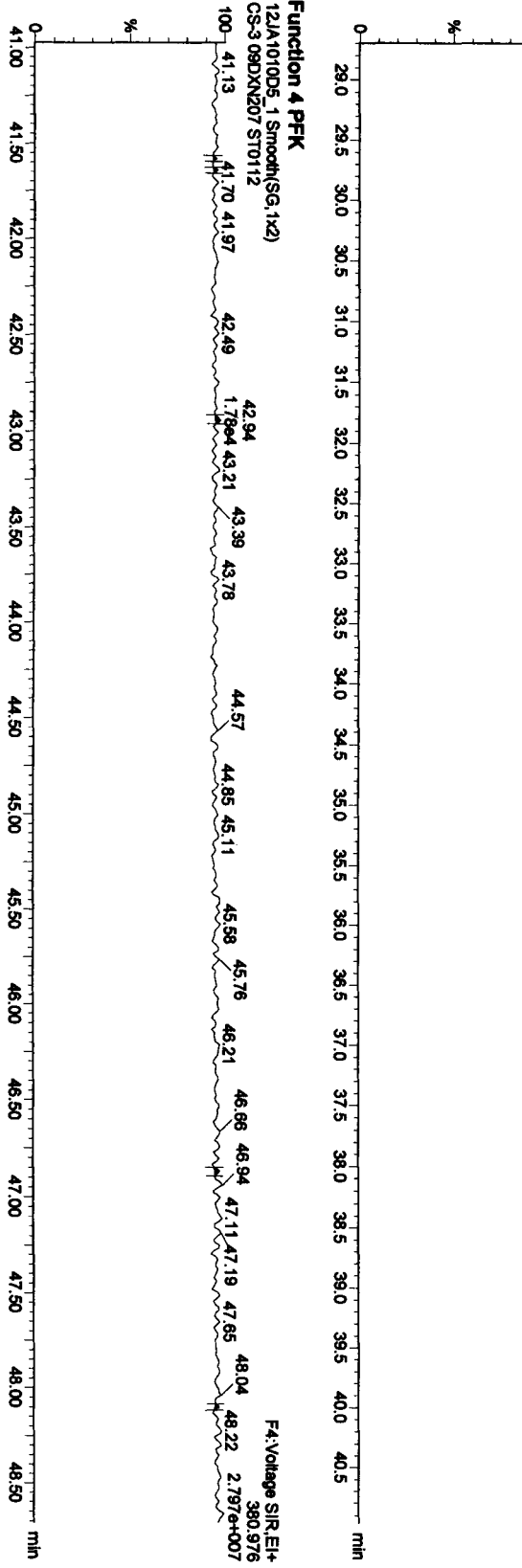
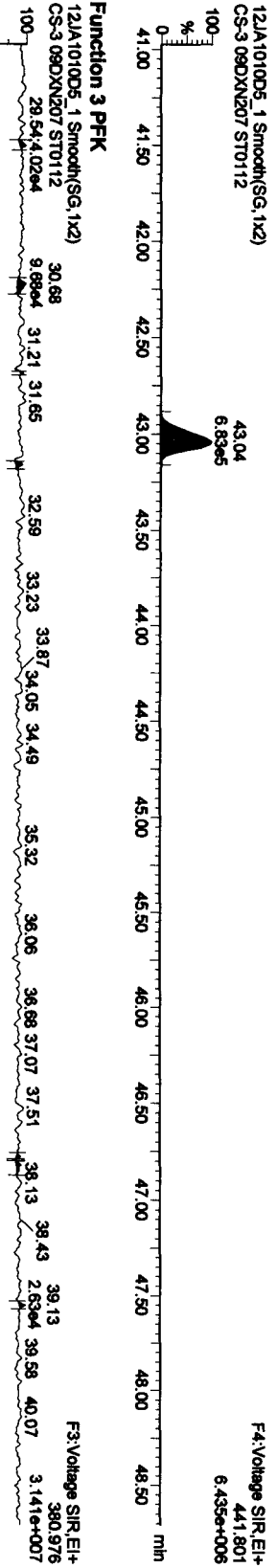
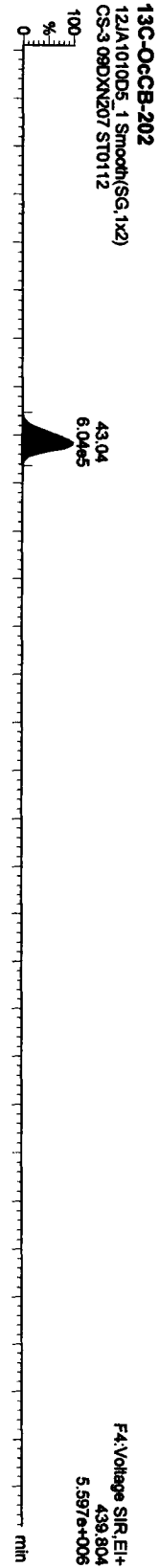
**13C-HPPCBs**



Dataset: C:\MassLynx\Default.pro\12JA1010D51668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

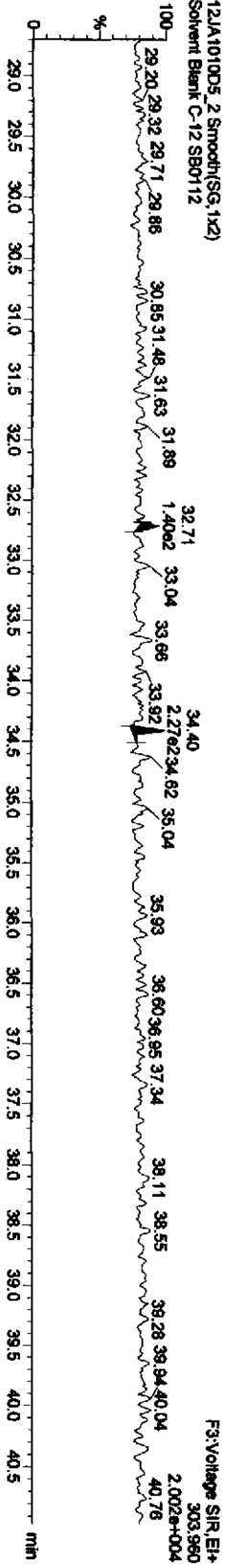
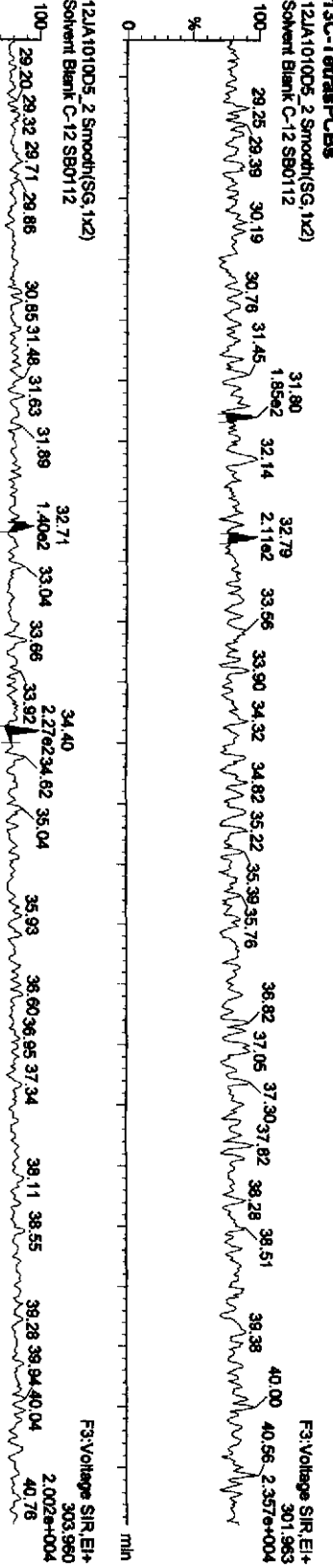
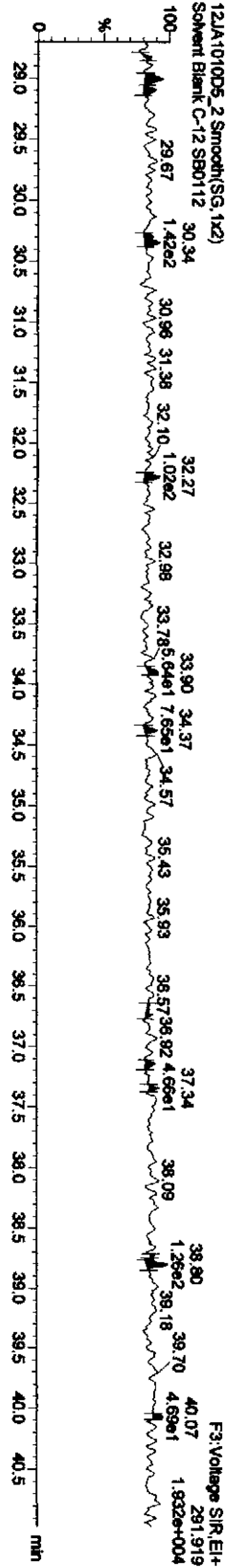
Name: 12JA1010D5\_1, Date: 12-Jan-2010, Time: 18:01:28, ID: ST0112, Description: CS-3 09DXN207



Dataset: C:\MassLynx\Default\pro1\12JA1010D51669MSL.qtd

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_2, Date: 12-Jan-2010, Time: 19:04:02, ID: SB0112, Description: Solvent Blank C-12

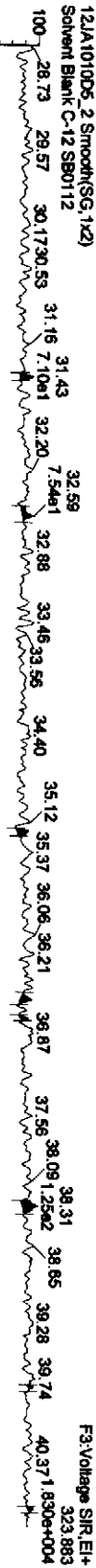


Dataset: C:\MassLynx\Default\pro1\12JA1010D51668MSL.qld

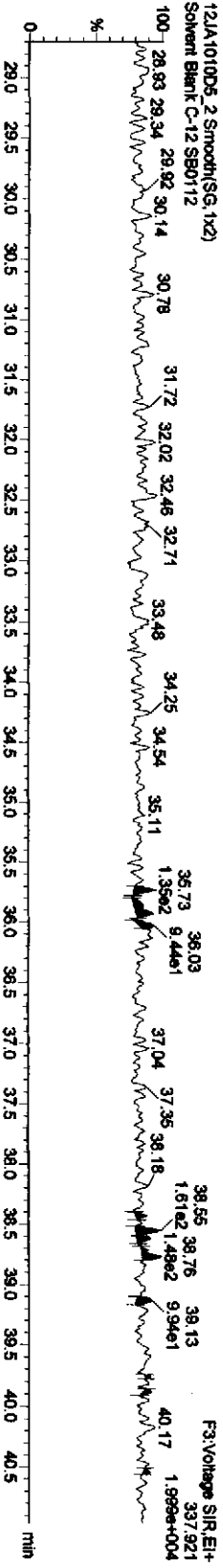
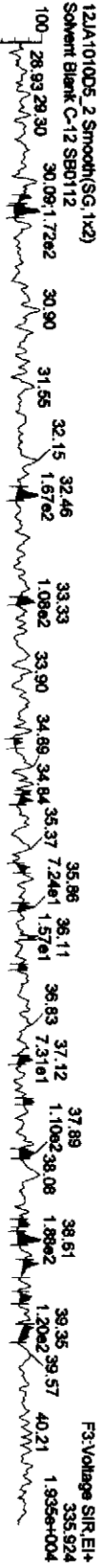
Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_2, Date: 12-Jan-2010, Time: 19:04:02, ID: SB0112, Description: Solvent Blank C-12

PePCBs



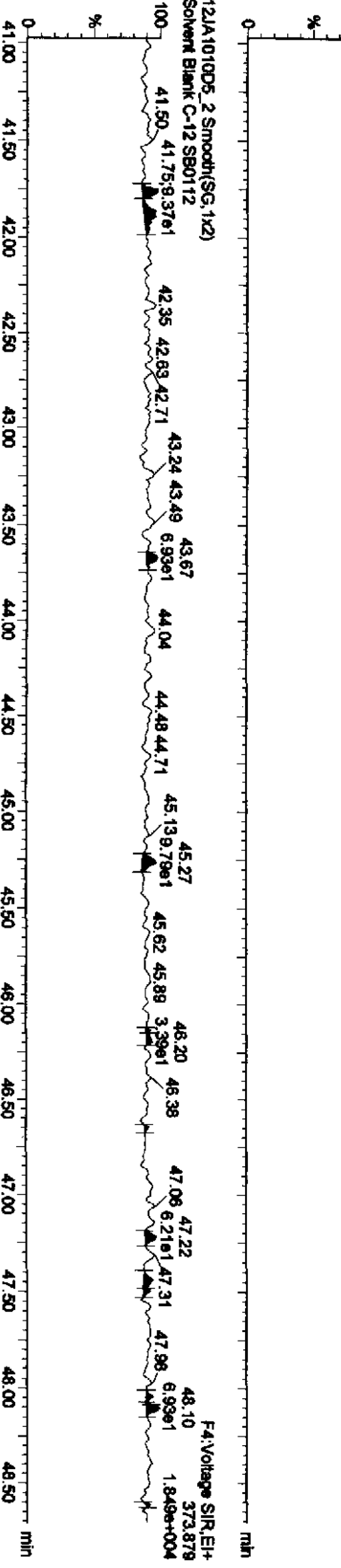
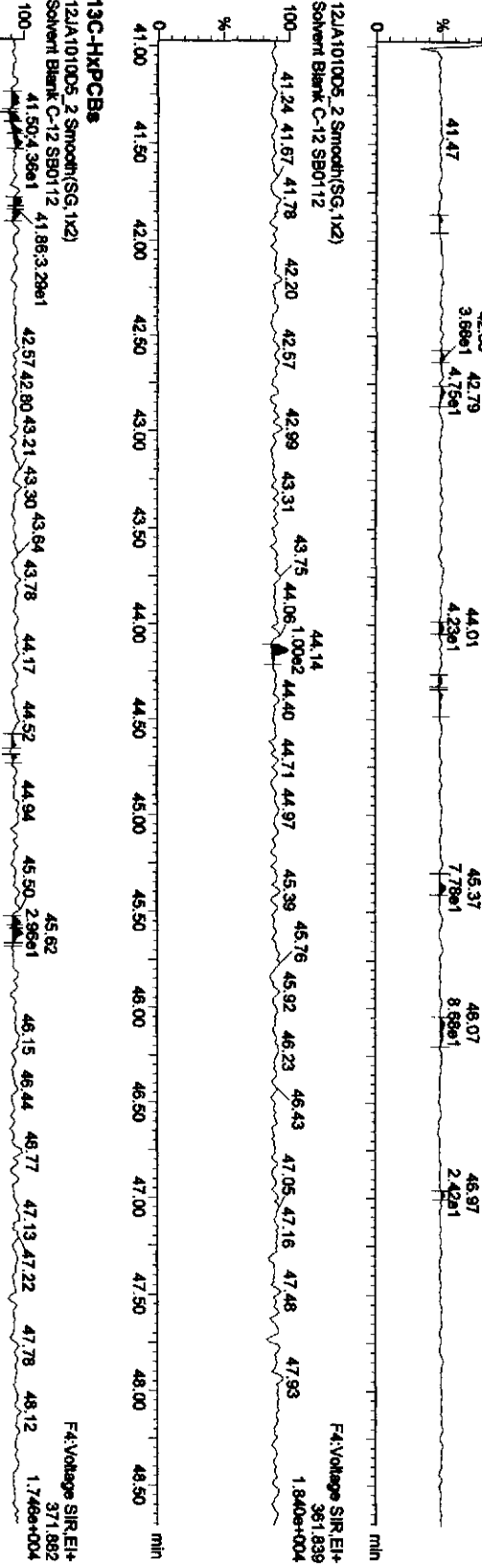
13C-PePCBs



Dataset: C:\MassLynx\Default\proj\12JA1010D51668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_2, Date: 12-Jan-2010, Time: 19:04:02, ID: SB0112, Description: Solvent Blank C-12



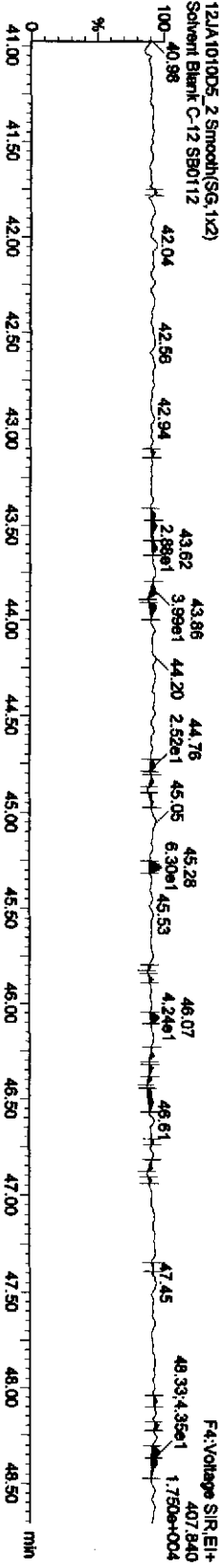
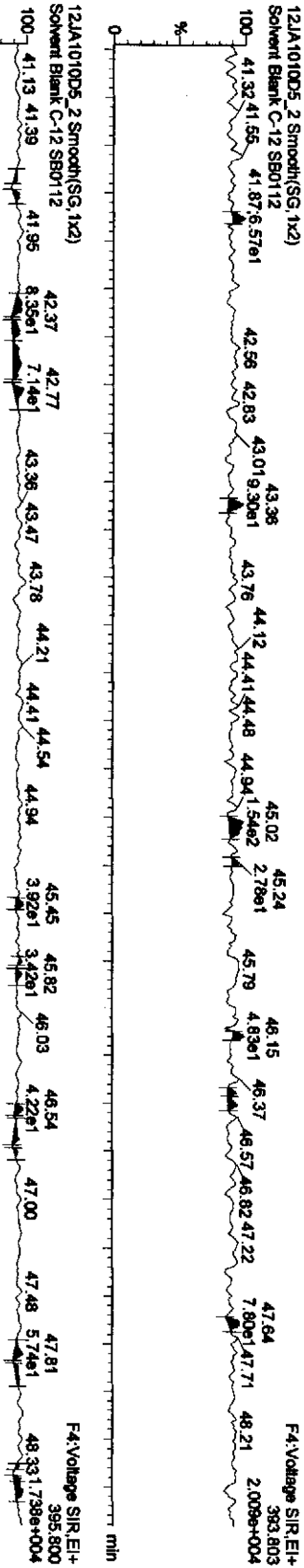


Dataset: C:\MassLynx\Default\proj\12JA1010D5\1668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_2, Date: 12-Jan-2010, Time: 19:04:02, ID: SB0112, Description: Solvent Blank C-12

HPPCBs

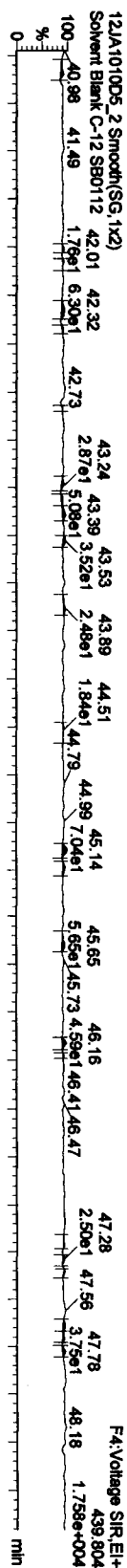


Dataset: C:\MassLynx\Default.pro\12JA1010D51668MSL.qld

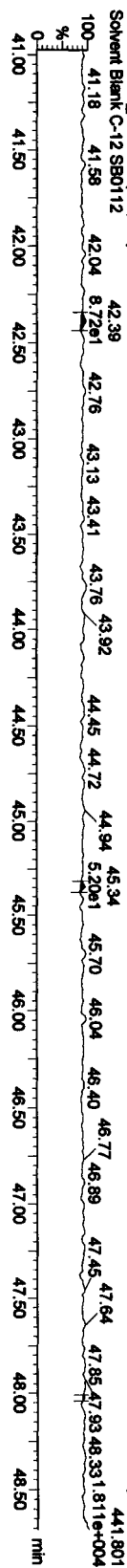
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Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

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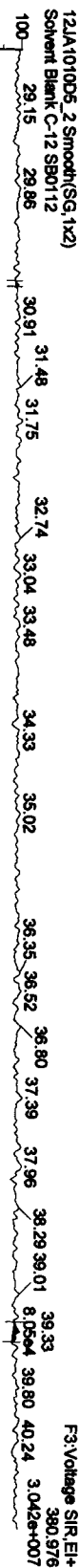
13C-OcCB-202



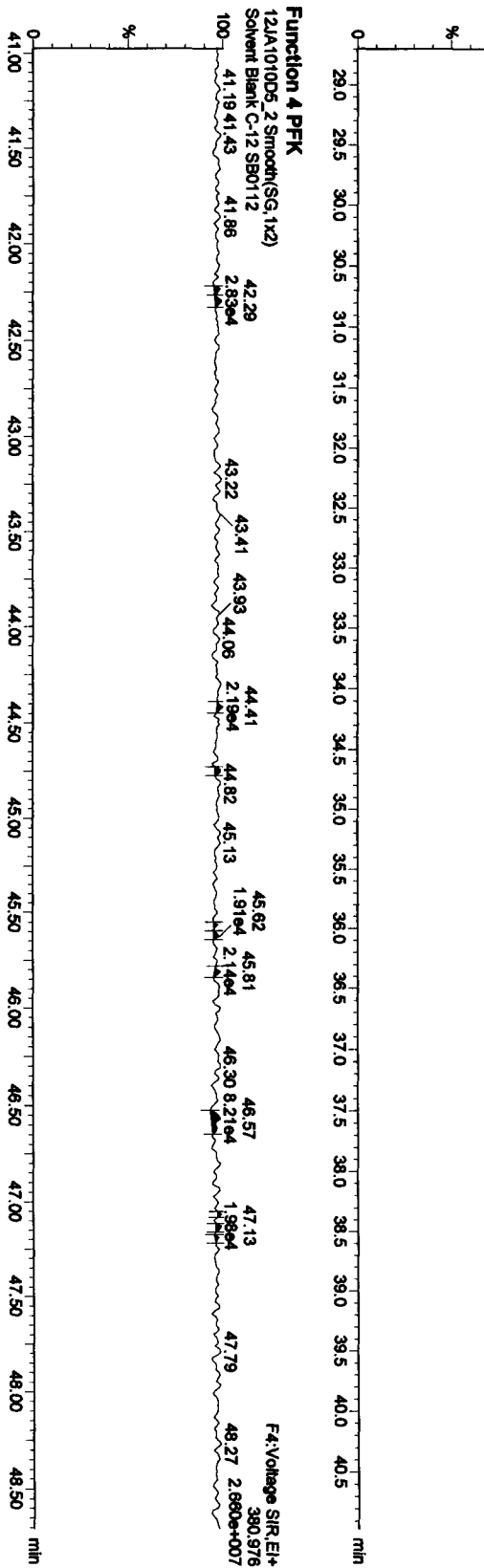
12JA1010D5\_2 Smooth(SG, 1x2)



Function 3 PFK



Function 4 PFK



Method ID 1668m

Associated ICAL ICA0716202910DS1668MSL

Column ID DB-5

Instrument ID 10DS

STD ID ST0106A

STD Solution 09DXN207

Analyzed by A.M.

Date Analyzed 01-06-10

Std. Pkg. By S.M.A

Date Std. Pkg. Assembled 01-08-10

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 01-13-10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
Column Performance blow up present	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
Column Performance valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Static Resolutions present?	✓	✓

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* **Method 1668A (PCBs):** ± 30% from curve RRFs for natives (Toxic PCBs and LOC (level of chlorination)) and ±50% for labeled compounds (Note: first eluter congeners without corresponding internal standards are prone to high degree of variance, and may occasionally exceed the ± 30% limit; this may require review for impact on data, but may not necessitate re-calibration). Natives in different functions from their IS have ± 40% limit.

**Method 1614 (DBDs/DBFs):** ±30% from curve RRFs for native analytes and ± 50% from curve RRFs for labeled compounds (Note: BDE-209 is +200% to -50%, 13C-BDE-209 is +200% to -75% and 13C-BDE-139 is ±30%).

\*\* **Method 1668A (PCBs):** resolution (valley) on DB5 column between PeCB-123 and PeCB-118 must be less than 25% of the shorter peak (Note: there is no CPSM for method 1668 as the window defining mix is the same as the 5-pt calibration solution or the 209 PCB congener solution).

**Method 1614 (DBDs/DBFs):** a valley less than 40% of the shorter of the two peaks (TeBDE-49+TeBDE-71).

Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time

Printed: Friday, January 08, 2010 10:58:05 AM Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 06JA1010D5\_12, Date: 07-Jan-2010, Time: 03:58:12, ID: ST0106A, Description: CS-3 09DXN207

1	13C-PeCB-101	2076834	31.73	31.75	1.00000	1.00000	100.00	-0.0	100.0	0.633	NO
2											
3	13C-TeCB-81	2336382	33.66	33.62	1.03984	1.12497	108.19	8.2	108.2	0.782	NO
4	TeCB-81	1805953	33.67	33.66	1.45839	1.54594	53.00	6.0	106.0	0.758	NO
5	13C-TeCB-77	2450708	34.34	34.31	1.10430	1.18002	106.86	6.9	106.9	0.775	NO
6	TeCB-77	1590003	34.38	34.34	1.27061	1.29759	51.06	2.1	102.1	0.755	NO
7											
8	13C-PeCB-123	2201963	35.99	35.99	0.99324	1.06025	106.75	6.7	106.7	0.625	NO
9	PeCB-123	1782197	36.02	35.99	1.50539	1.61873	53.76	7.5	107.5	0.611	NO
10	13C-PeCB-118	2315094	36.16	36.16	1.02407	1.11472	108.85	8.9	108.9	0.629	NO
11	PeCB-118/106	1947582	36.19	36.16	1.52536	1.68251	55.15	10.3	110.3	0.623	NO
12	13C-PeCB-114	2399641	36.94	36.94	1.03691	1.15543	111.43	11.4	111.4	0.634	NO
13	PeCB-114	2022014	36.98	36.94	1.58603	1.68526	53.13	6.3	106.3	0.615	NO
14	13C PeCB-105	2279203	38.02	38.02	0.98151	1.09744	111.81	11.8	111.8	0.637	NO
15	PeCB-105/127	1719736	38.03	38.02	1.43326	1.50907	52.64	5.3	105.3	0.605	NO
16	13C-PeCB-126	2438882	40.35	40.32	1.02999	1.17433	114.01	14.0	114.0	0.647	NO
17	PeCB-126	1523392	40.37	40.35	1.15582	1.24925	54.04	8.1	108.1	0.601	NO
18											
19	13C-OcCB-202	2145930	43.10	43.16	1.00000	1.00000	100.00	0.0	100.0	0.890	NO
20											
21	13C-HxCB-167	2649444	41.69	41.64	1.00247	1.23464	123.16	23.2	123.2	1.268	NO
22	HxCB-167	1663649	41.71	41.69	1.34796	1.25585	46.58	-6.8	93.2	1.241	NO
23	13C-HxCB-156	2148191	43.25	43.22	0.78510	1.00105	127.51	27.5	127.5	1.293	NO
24	HxCB-156	1837970	43.28	43.25	1.68840	1.71118	50.67	1.3	101.3	1.244	NO
25	13C-HxCB-157	2290097	43.64	43.61	0.83526	1.06718	127.77	27.8	127.8	1.280	NO
26	HxCB-157	1937225	43.67	43.64	1.65965	1.69183	50.97	1.9	101.9	1.252	NO
27	13C-HxCB-169	2583201	45.89	45.83	0.87128	1.20377	138.16	38.2	138.2	1.266	NO
28	HxCB-169	1405008	45.90	45.89	1.09832	1.08780	49.52	-1.0	99.0	1.241	NO
29											
30	13C-HpCB-180	1828722	44.42	44.40	0.68403	0.85218	124.58	24.6	124.6	1.059	NO
31	HpCB-180	1227514	44.43	44.42	1.30035	1.34248	51.62	3.2	103.2	1.032	NO
32	13C-HpCB-170	1485505	46.41	46.40	0.54773	0.69224	126.38	26.4	126.4	1.050	NO
33	HpCB-170	1255551	46.44	46.41	1.61501	1.69040	52.33	4.7	104.7	1.035	NO
34	13C-HpCB-189	2044553	48.32	48.29	0.69767	0.95276	136.56	36.6	136.6	1.050	NO
35	HpCB-189	1276373	48.33	48.32	1.23073	1.24856	50.72	1.4	101.4	1.021	NO
36											
37	13C-PeCB-111	2934294	33.49	33.51	1.30475	1.26100	96.65	-3.4	96.6	0.625	NO
38											
39	Function 3 PFK			0.00							
40	Function 4 PFK			0.00							

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\06JA1010D5.SPL  
 Last Modified: Wednesday, January 06, 2010 16:56:44 Pacific Standard Time  
 Printed: Wednesday, January 06, 2010 16:56:49 Pacific Standard Time

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul	Bottle	
1	06JA1010D5_1	CS-3 09DXN207	ST0106	---	1.000000	---	---	Tray1:1	
2	06JA1010D5_2	Solvent Blank C-12	SB0106	---	1.000000	---	---	Tray1:2	
3	06JA1010D5_3	G9L210454-1MB	LRRD6-1-AAB	1668/Air	81	0.333300	Samp	20	Tray1:3
4	06JA1010D5_4	G9L210454-1LCS	LRRD6-1-ACC	1668/Air	---	0.333300	Samp	20	Tray1:4
5	06JA1010D5_5	G9L210454-1	LRFTK-1-AD	1668/Air	---	0.333300	Samp	20	Tray1:5
6	06JA1010D5_6	G9L230518-1MB	LRMG1-1-AAB	1668/Air	79	0.500000	Samp	20	Tray1:6
7	06JA1010D5_7	G9L230518-1LCS	LRMG1-1-ACC	1668/Air	---	0.500000	Samp	20	Tray1:7
8	06JA1010D5_8	G9L230518-1DCS	LRMG1-1-ADL	1668/Air	---	0.500000	Samp	20	Tray1:8
9	06JA1010D5_9	G9L230518-1	LRKCW-1-AC	1668/Air	---	0.500000	Samp	20	Tray1:9
10	06JA1010D5_10	G9L230518-2	LRKC8-1-AC	1668/Air	---	0.500000	Samp	20	Tray1:10
11	06JA1010D5_11	Solvent Blank C-12	SB0106A	---	1.000000	---	---	Tray1:11	
12	06JA1010D5_12	CS-3 09DXN207	ST0106A	---	1.000000	---	---	Tray1:12	
13	06JA1010D5_13	Solvent Blank C-12	SB0106B	---	1.000000	---	---	Tray1:13	
14	06JA1010D5_14	G9L290466-1MB	LRRDX-1-AAB	1668/Air	82	0.500000	Samp	20	Tray1:14
15	06JA1010D5_15	G9L290466-1LCS	LRRDX-1-ACC	1668/Air	---	0.500000	Samp	20	Tray1:15
16	06JA1010D5_16	G9L290466-1	LRN62-1-AA	1668/Air	---	0.500000	Samp	20	Tray1:16
17	06JA1010D5_17	G9L290466-2	LRN68-1-AA	1668/Air	---	0.500000	Samp	20	Tray1:17
18	06JA1010D5_18	G9L290466-3	LRN69-1-AA	1668/Air	---	0.500000	Samp	20	Tray1:18
19	06JA1010D5_19	G9L290466-4	LRN7A-1-AA	1668/Air	---	0.500000	Samp	20	Tray1:19
20	06JA1010D5_20	Solvent Blank C-12	SB0106C	---	1.000000	---	---	Tray1:20	
21	06JA1010D5_21	QC010410-2 XAD	QC010410-2	1668/Air	82	0.500000	Samp	20	Tray1:21

*log file checked  
 01-07-10  
 SMA*

Sample List Report

MassLynx 4.1

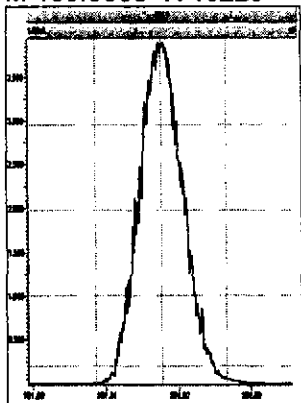
Sample List: C:\MassLynx\Default.pro\Sampledb\06JA1010D5.SPL  
Last Modified: Wednesday, January 06, 2010 16:56:44 Pacific Standard Time  
Printed: Wednesday, January 06, 2010 16:56:49 Pacific Standard Time

Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D	Conc E
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1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	---	---	---
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
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1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
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1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000
1.000000	Analyte	AM 01-06-10	1668M10D5	1668M10D5	---	---	2000	2000	2000

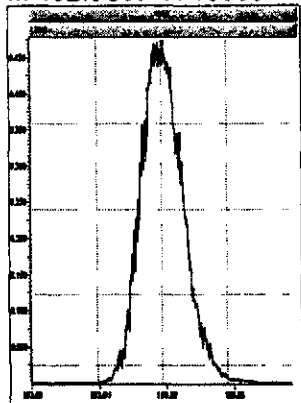
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, January 06, 2010 17:21:41 Pacific Standard Time

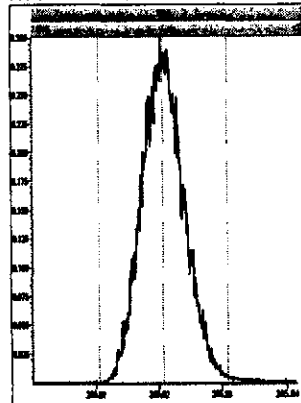
M 180.9888 R 13225



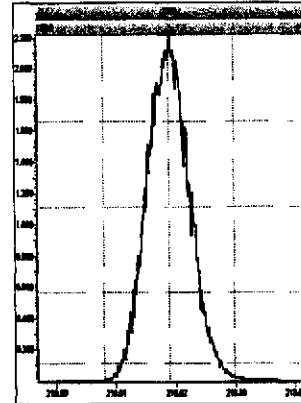
M 192.9888 R 13368



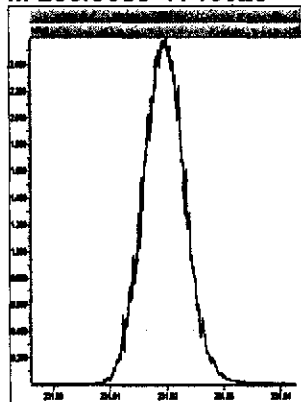
M 204.9888 R 13090



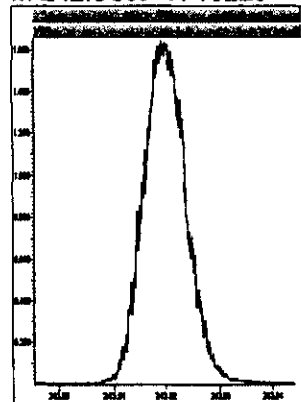
M 218.9856 R 13296



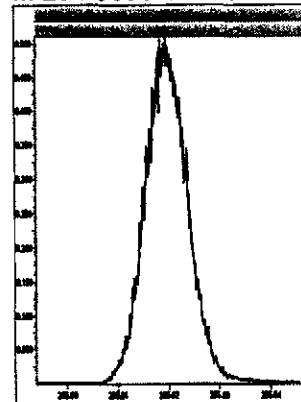
M 230.9856 R 13020



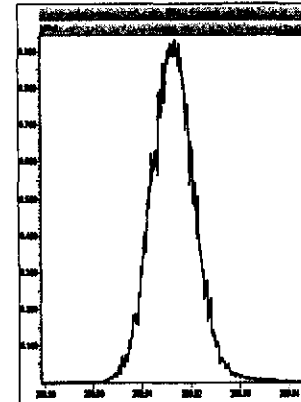
M 242.9856 R 13228



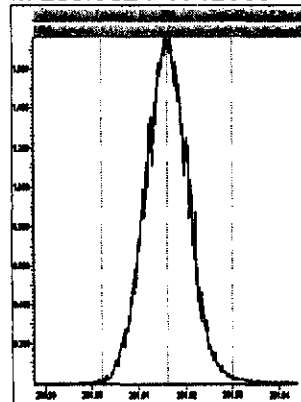
M 254.9856 R 12951



M 268.9824 R 13158



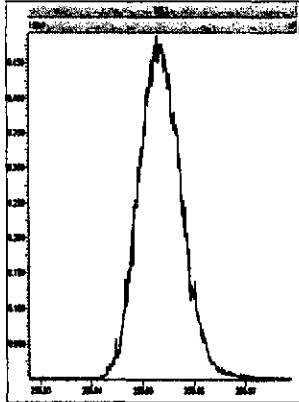
M 280.9824 R 12560



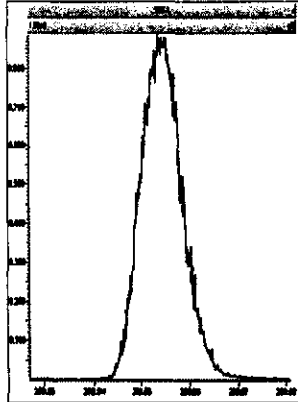
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Printed: Wednesday, January 06, 2010 17:23:13 Pacific Standard Time

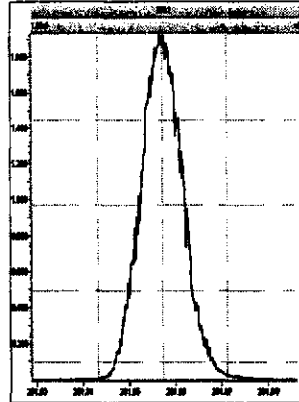
M 254.9856 R 13587



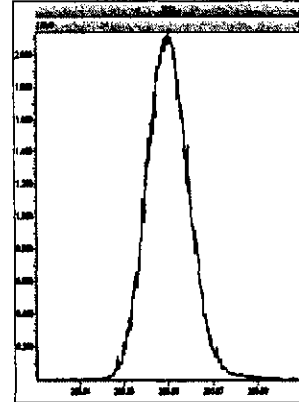
M 268.9824 R 13091



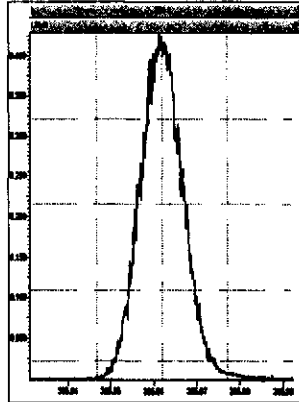
M 280.9824 R 13227



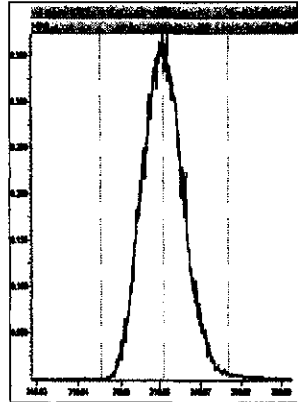
M 292.9824 R 13086



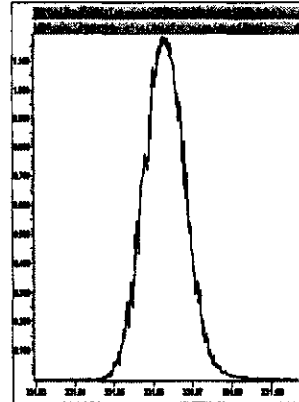
M 304.9824 R 13435



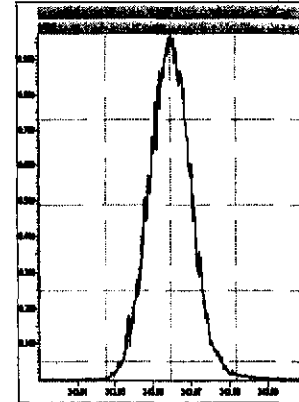
M 318.9792 R 13368



M 330.9792 R 13964



M 342.9792 R 13090

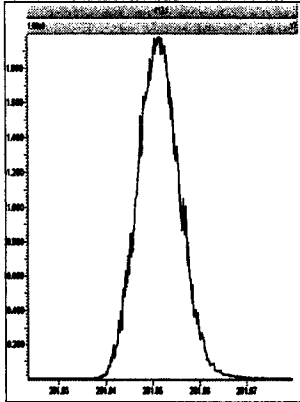




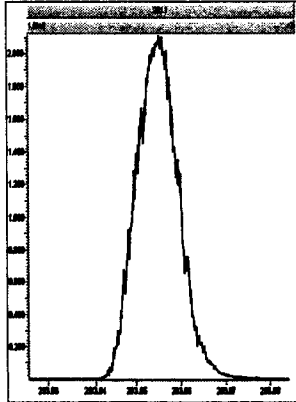
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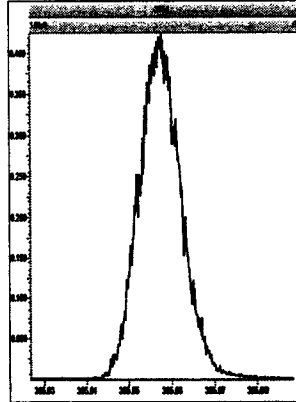
M 280.9824 R 13304



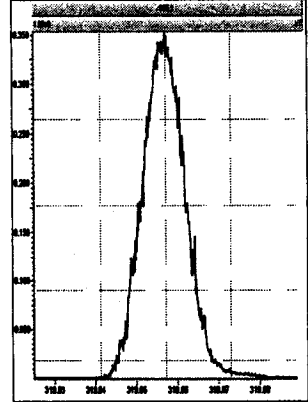
M 292.9824 R 13437



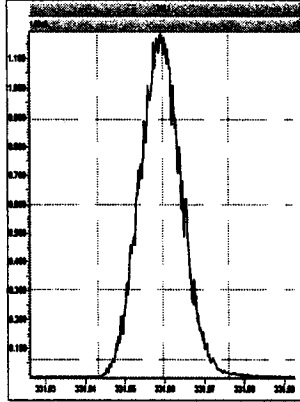
M 304.9824 R 13299



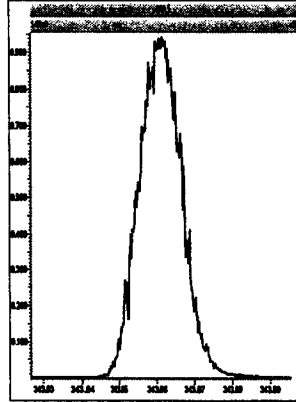
M 318.9792 R 13736



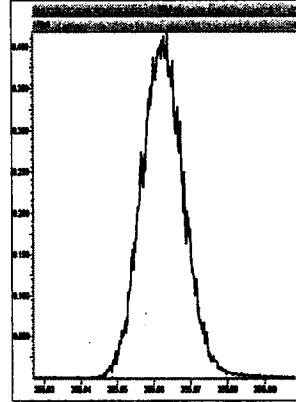
M 330.9792 R 13740



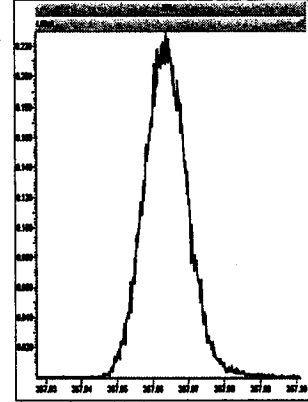
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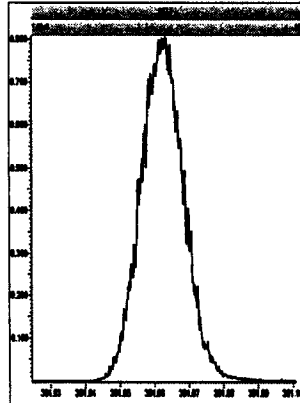
M 354.9792 R 13888



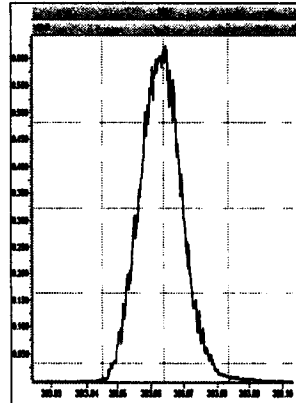
M 366.9792 R 12752



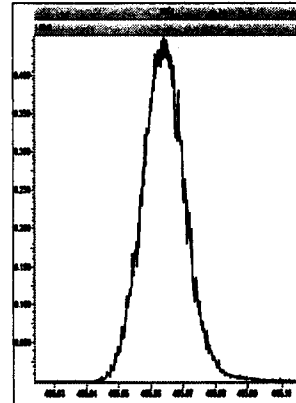
M 380.9760 R 12822



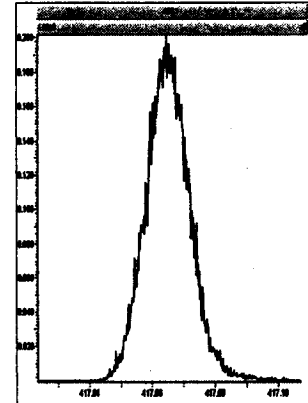
M 392.9760 R 12953



M 404.9760 R 12693



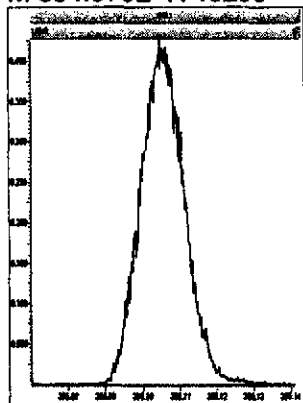
M 416.9760 R 12501



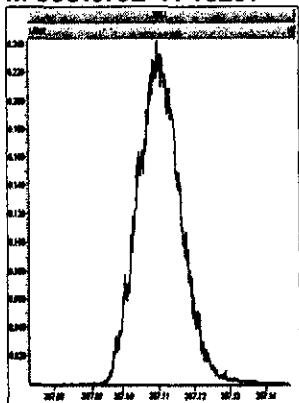
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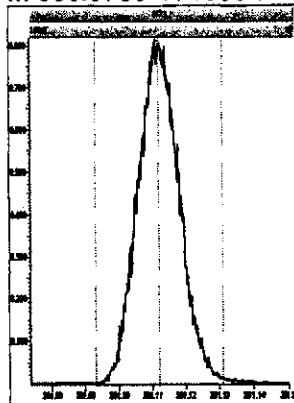
M 354.9792 R 13299



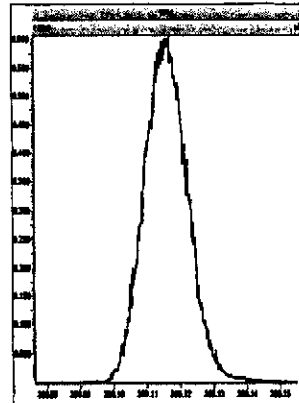
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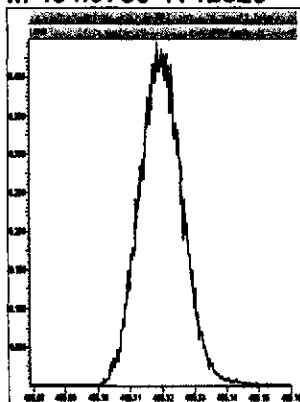
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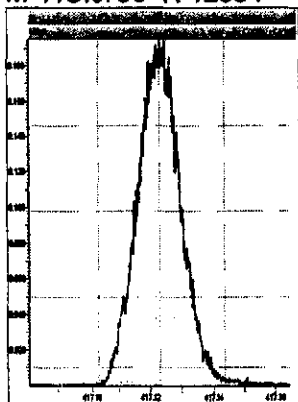
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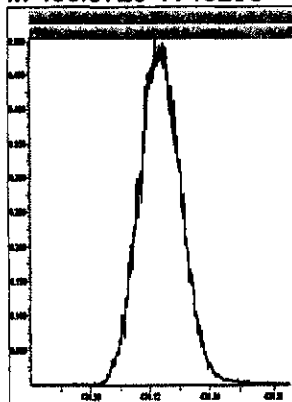
M 404.9760 R 12820



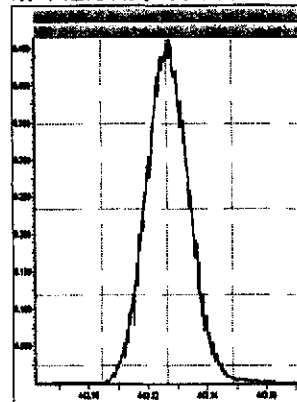
M 416.9760 R 12884



M 430.9728 R 13299



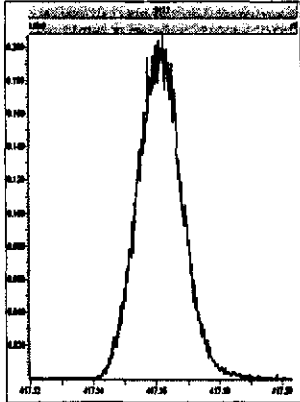
M 442.9728 R 12953



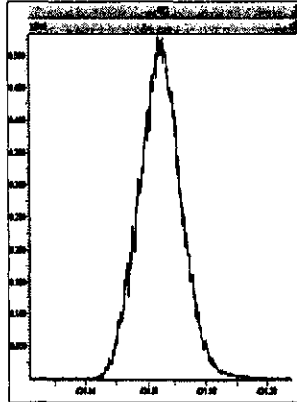
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Printed: Wednesday, January 06, 2010 17:26:22 Pacific Standard Time

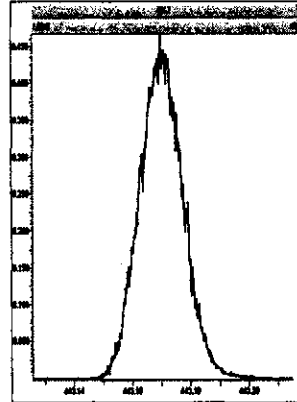
M 416.9760 R 12504



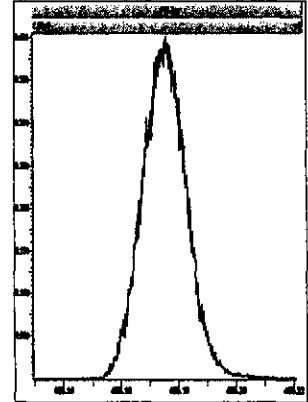
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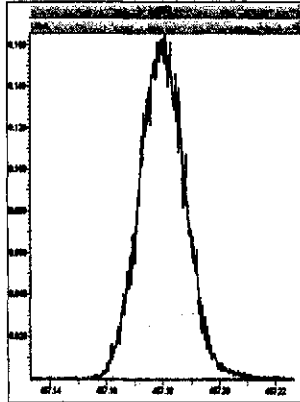
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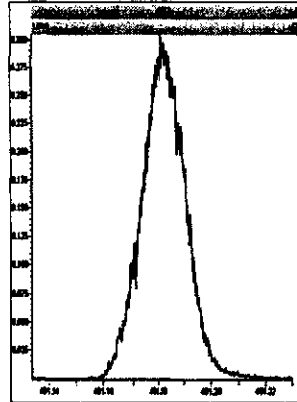
M 454.9728 R 12750



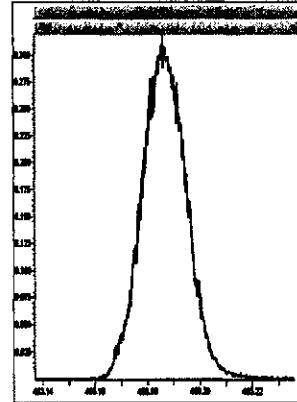
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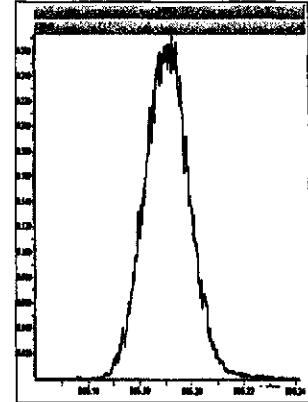
M 480.9696 R 12628



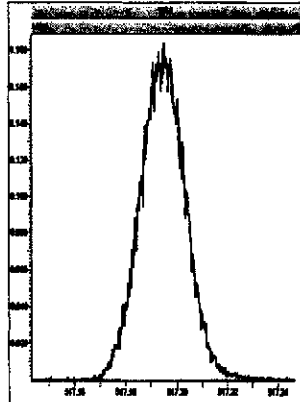
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M 504.9696 R 12625



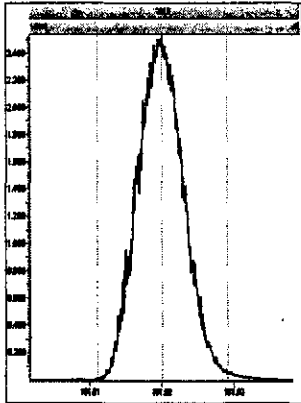
M 516.9697 R 12498



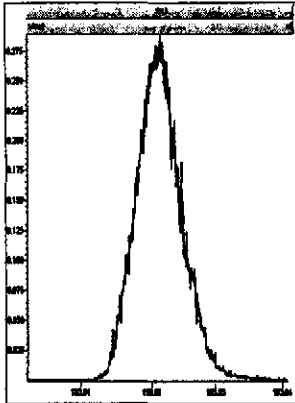
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Printed: Thursday, January 07, 2010 14:03:35 Pacific Standard Time

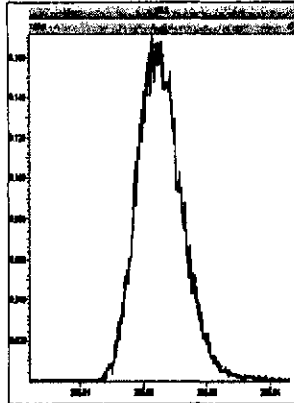
M 180.9888 R 12436



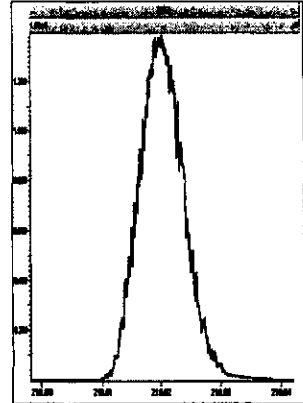
M 192.9888 R 12135



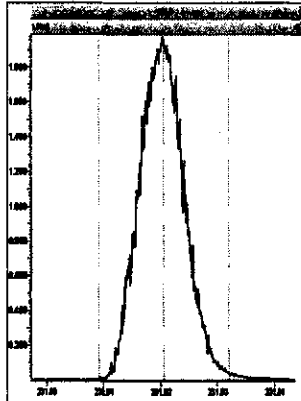
M 204.9888 R 12377



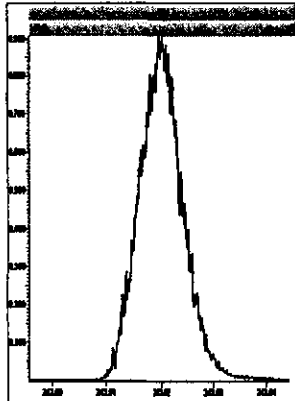
M 218.9856 R 12693



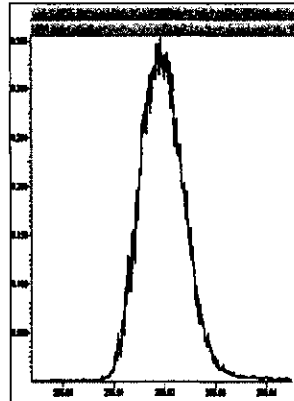
M 230.9856 R 13020



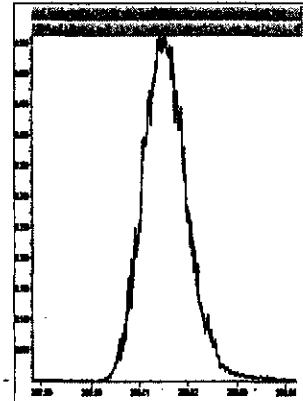
M 242.9856 R 12817



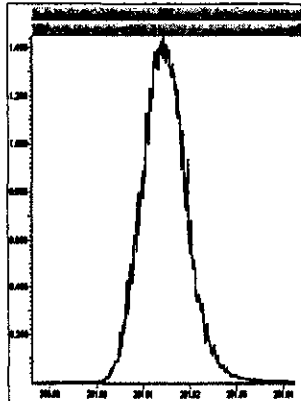
M 254.9856 R 12624



M 268.9824 R 12562



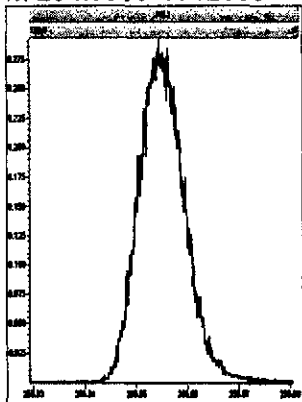
M 280.9824 R 12313



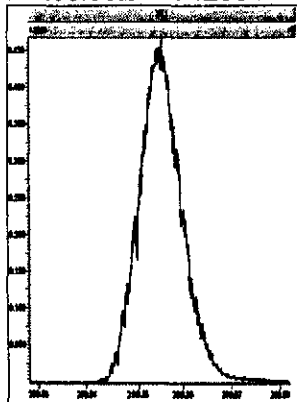
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Printed: Thursday, January 07, 2010 14:05:48 Pacific Standard Time

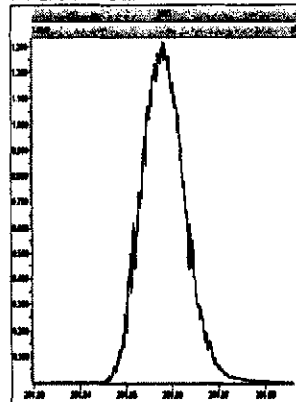
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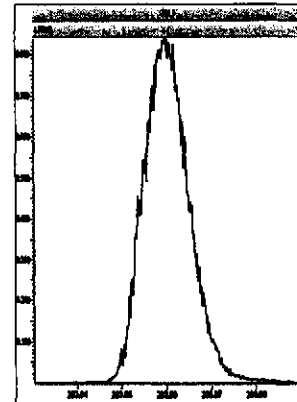
M 268.9824 R 12564



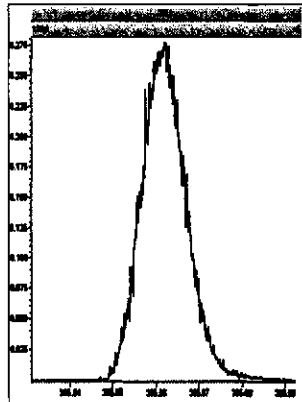
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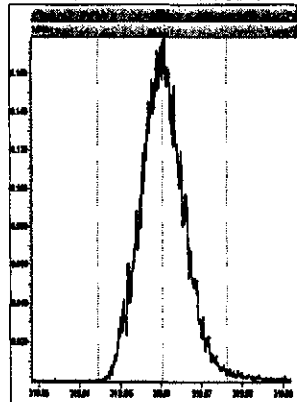
M 292.9824 R 12687



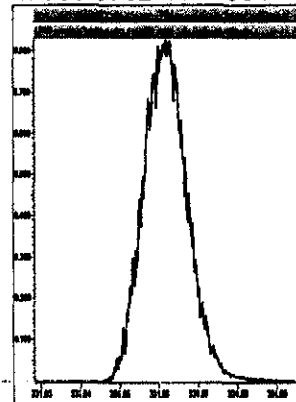
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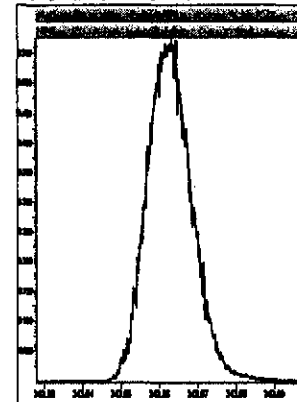
M 318.9792 R 12820



M 330.9792 R 12884



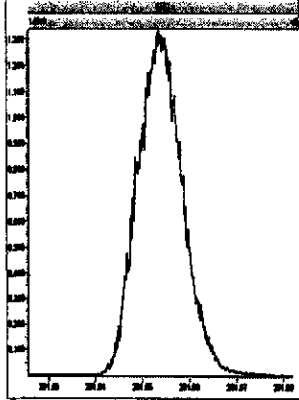
M 342.9792 R 12439



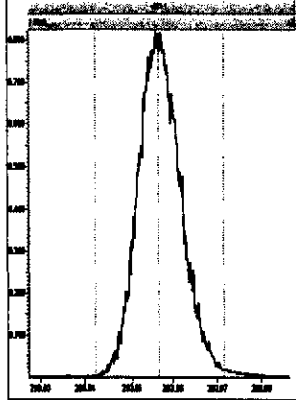
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Printed: Thursday, January 07, 2010 14:06:30 Pacific Standard Time

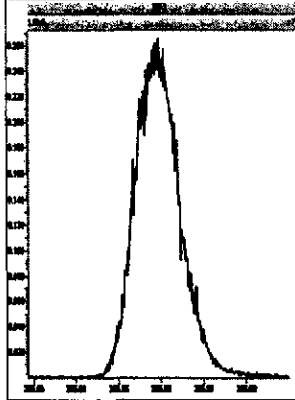
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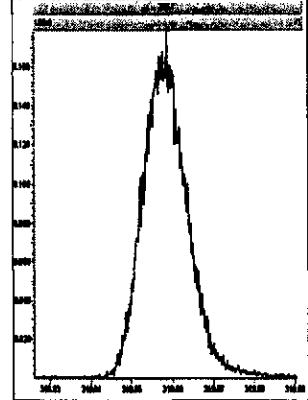
M 292.9824 R 12623



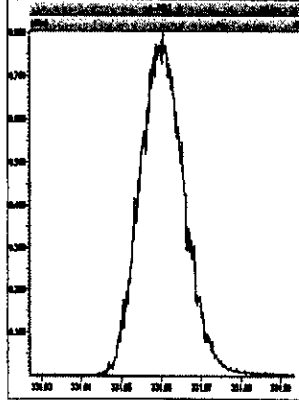
M 304.9824 R 12888



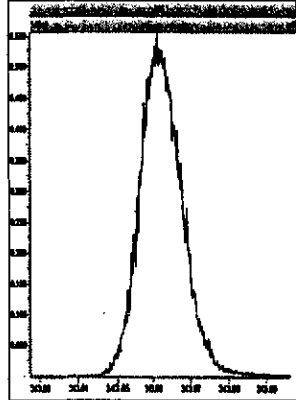
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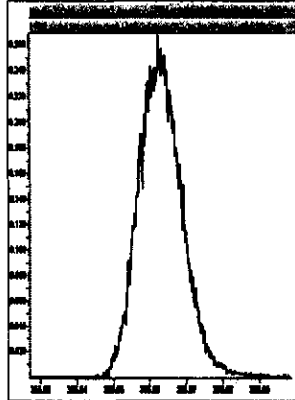
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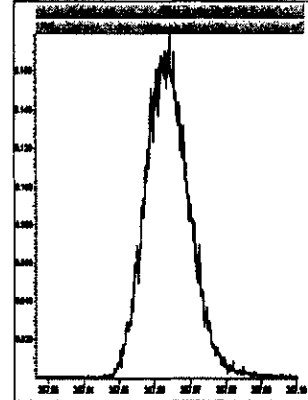
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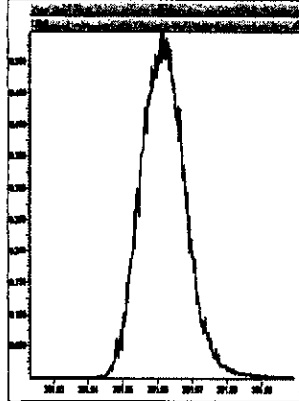
M 354.9792 R 12499



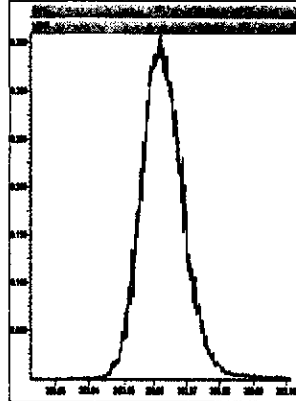
M 366.9792 R 13086



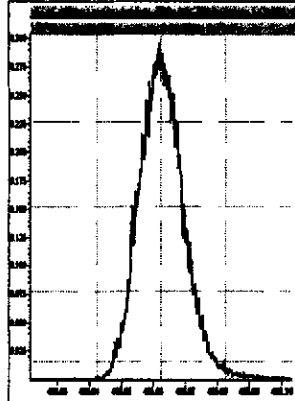
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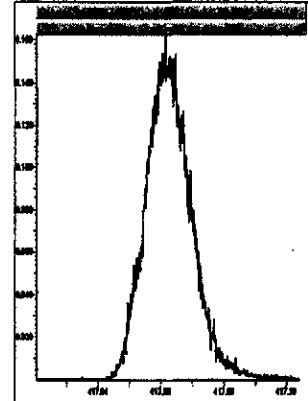
M 392.9760 R 13088



M 404.9760 R 12379



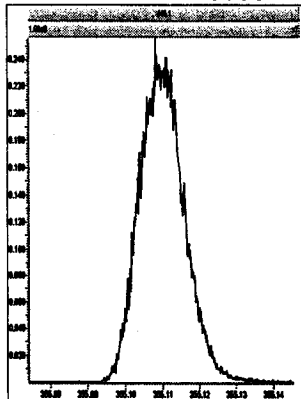
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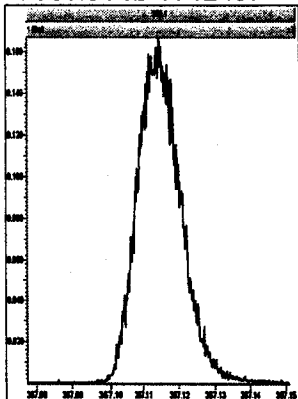
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Printed: Thursday, January 07, 2010 14:07:27 Pacific Standard Time

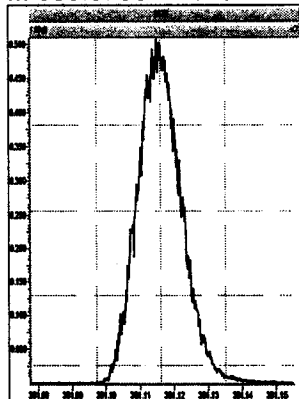
M 354.9792 R 13090



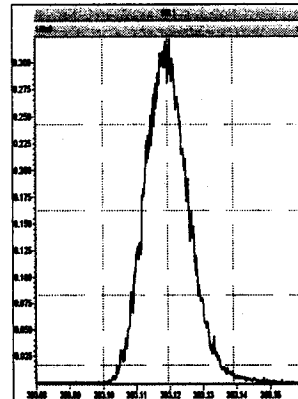
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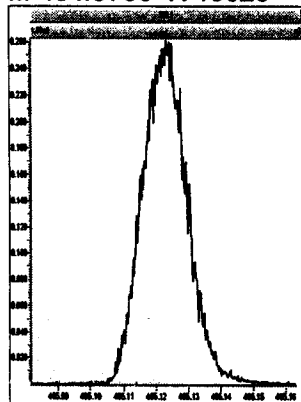
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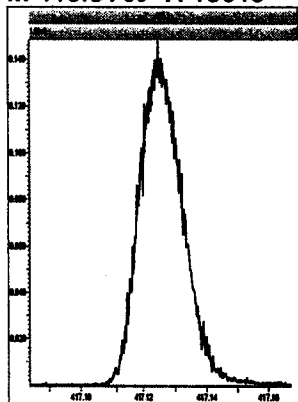
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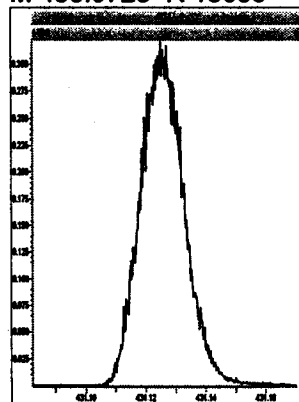
M 404.9760 R 13020



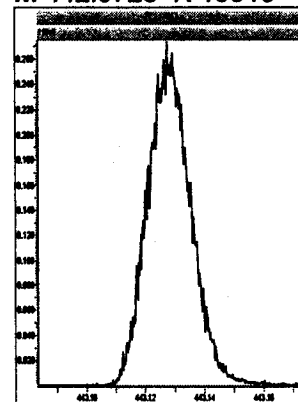
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M 430.9728 R 13086



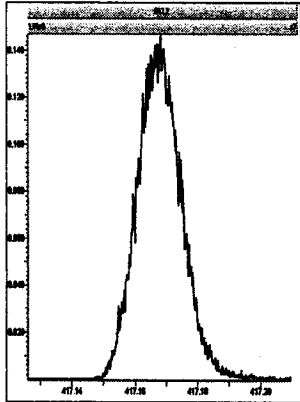
M 442.9728 R 13513



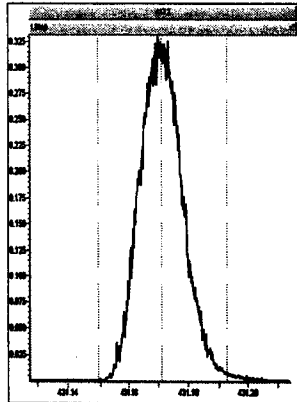
File: Experiment: 1668M10D5.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, January 07, 2010 14:07:59 Pacific Standard Time

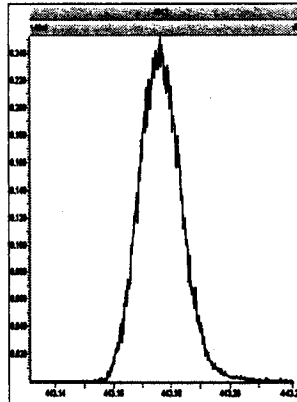
M 416.9760 R 12437



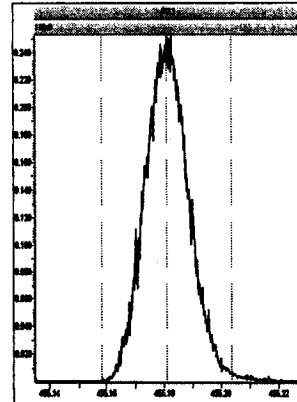
M 430.9728 R 12625



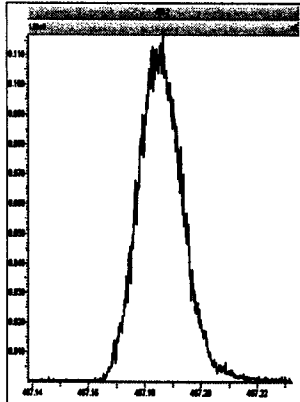
M 442.9728 R 12888



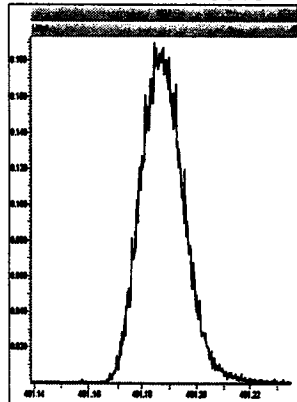
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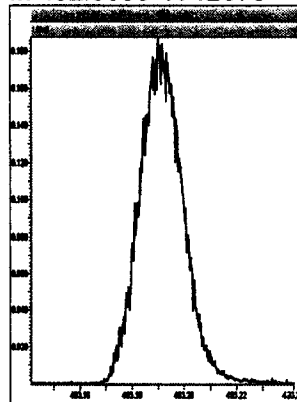
M 466.9728 R 12885



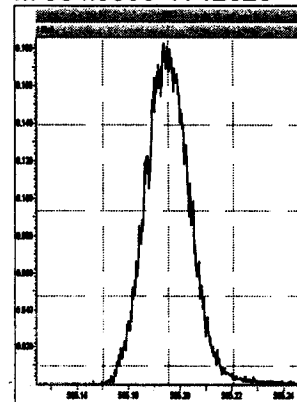
M 480.9696 R 13515



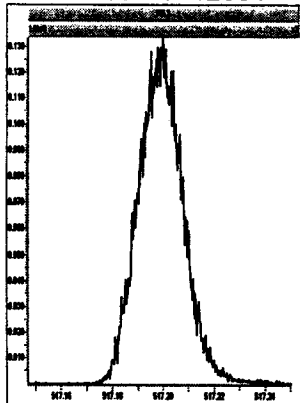
M 492.9696 R 12376



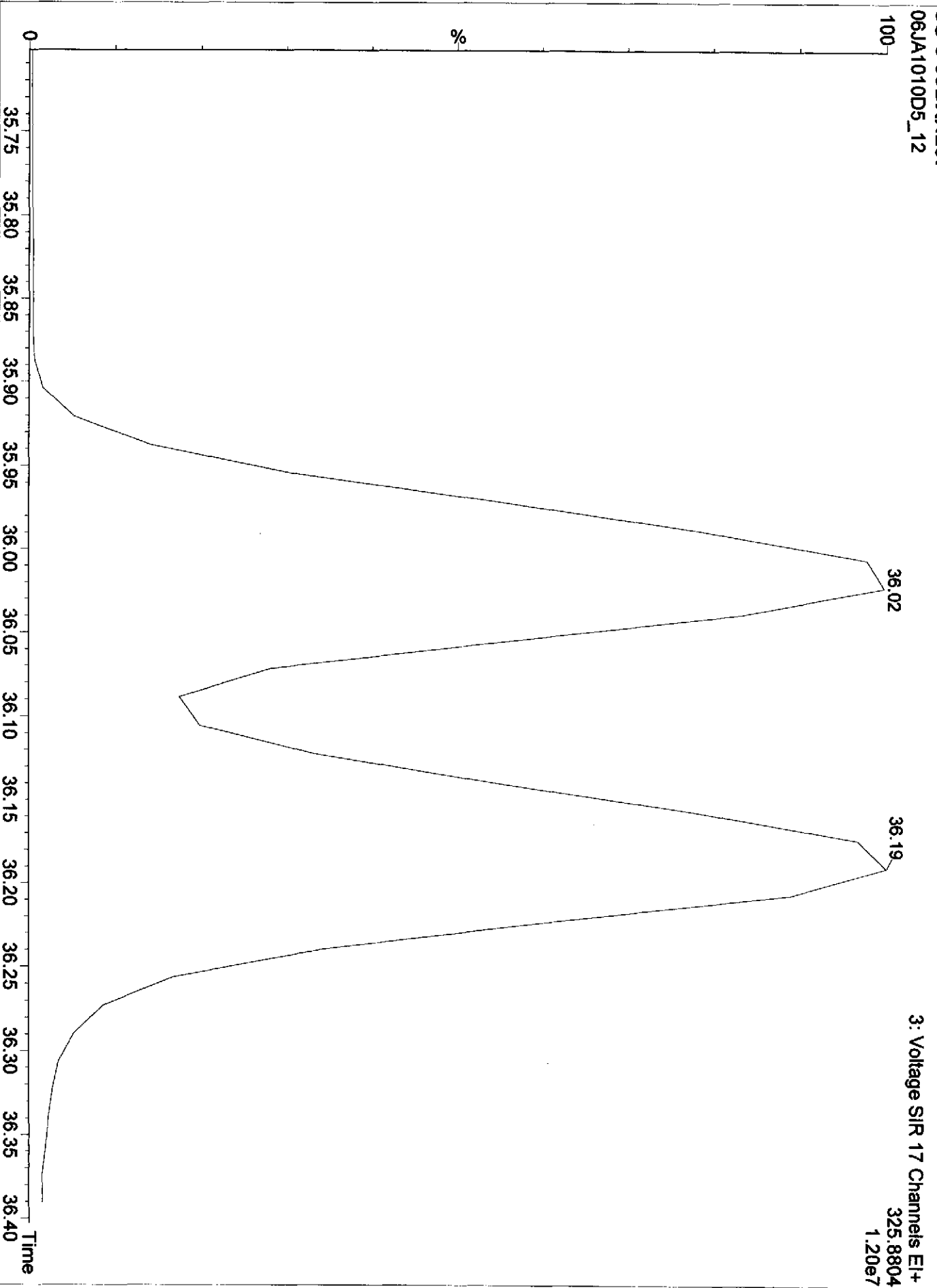
M 504.9696 R 12625



M 516.9697 R 12561







3: Voltage SFR 17 Channels EI+  
325.8804  
1.20e7

Dataset: C:\MassLynx\Default.pro\12JA1010D51668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time

Printed: Wednesday, January 13, 2010 4:30:19 PM Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

1	13C-PeCB-101	1.00000	0.00000	0.00000
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27061	0.03972	3.12612
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02407	0.01724	1.68314
11	PeCB-118/106	1.52536	0.06935	4.54642
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58603	0.05970	3.76433
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	1.00000	0.00000	0.00000
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-PeCB-111	1.30475	0.02157	1.65310
38				
39	Function 3 PFK			
40	Function 4 PFK			

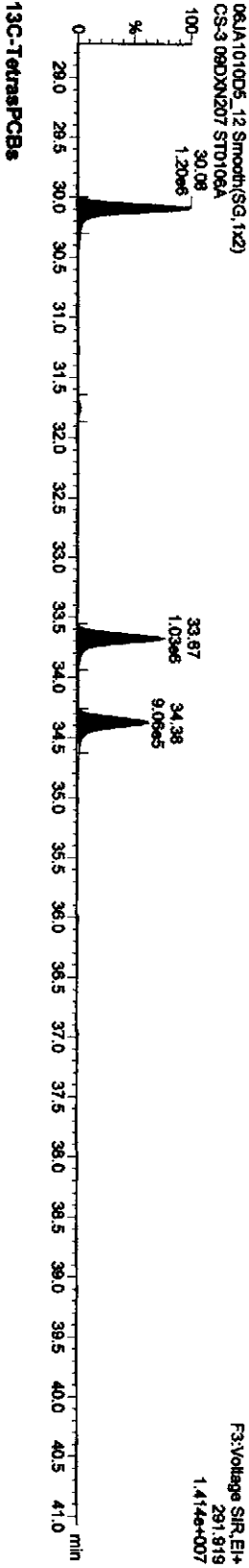
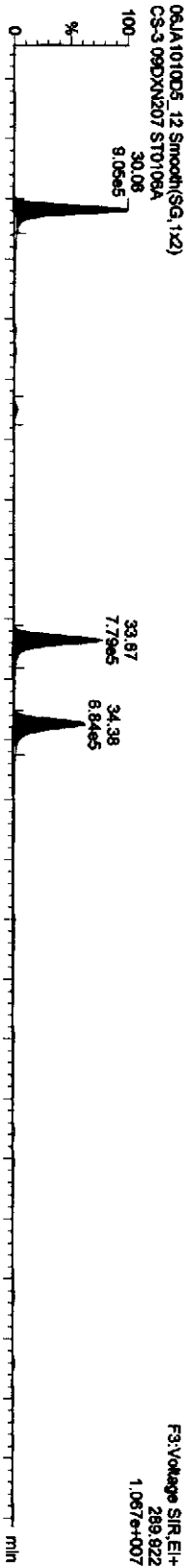
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Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

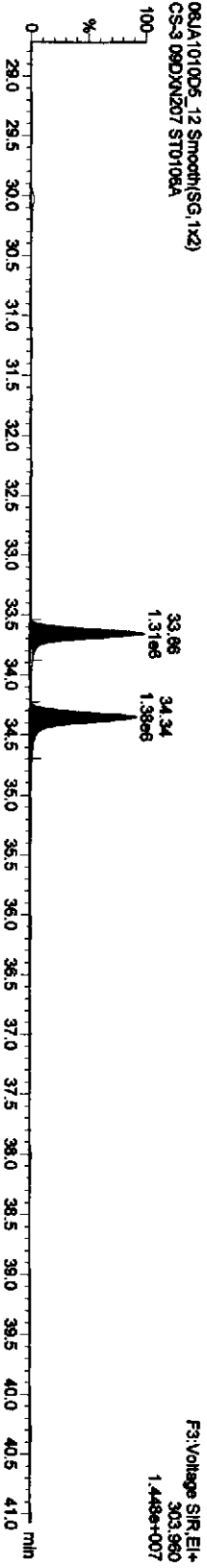
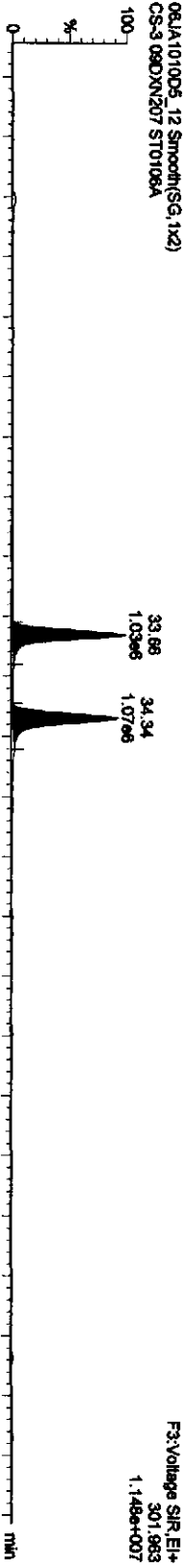
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Callibration: C:\MassLynx\Default\pro\Curved\1CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Name: 06JA1010D5\_12, Date: 07-Jan-2010, Time: 03:58:12, ID: ST0106A, Description: CS-3 09DXN207

**TetraPCBs**



**13C-TetraPCBs**

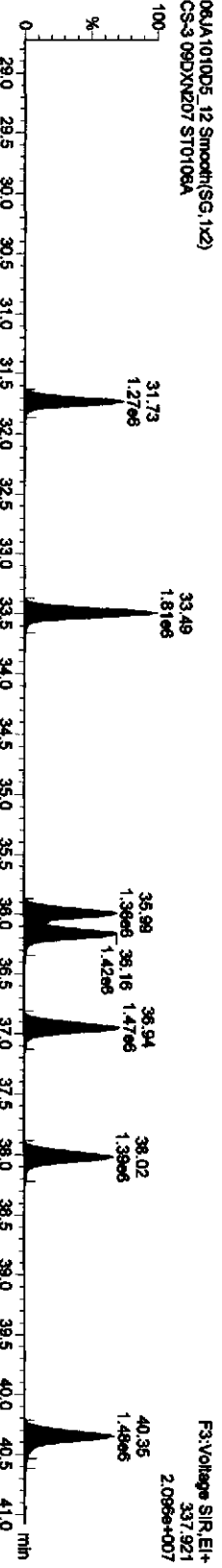
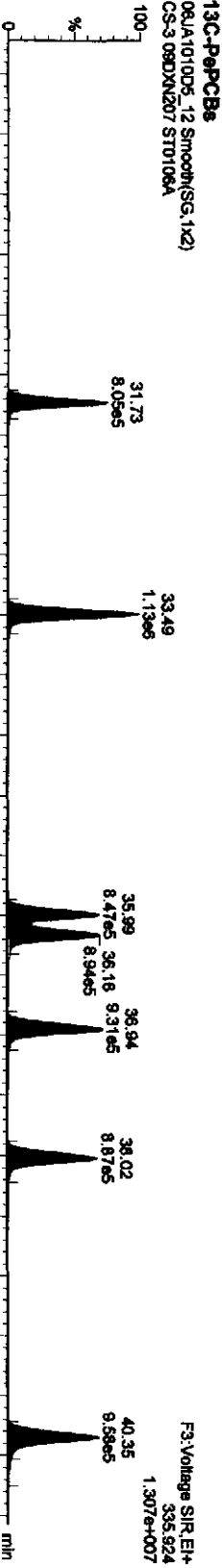
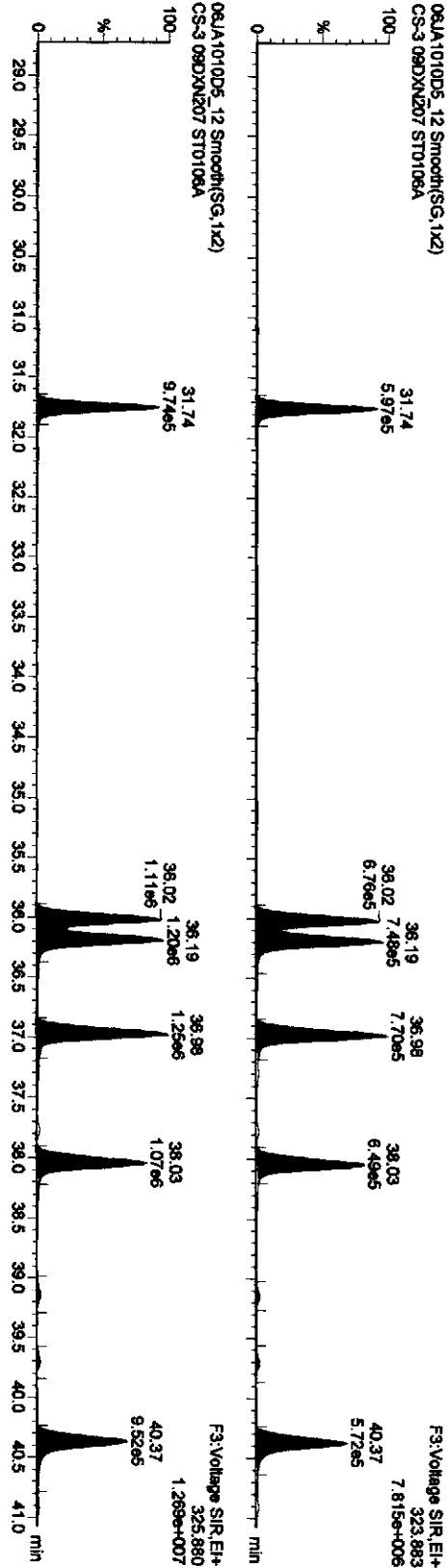


Dataset: C:\MassLynx\Default\prot06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_12, Date: 07-Jan-2010, Time: 03:58:12, ID: ST0106A, Description: CS-3 09DXN207

PePCBs

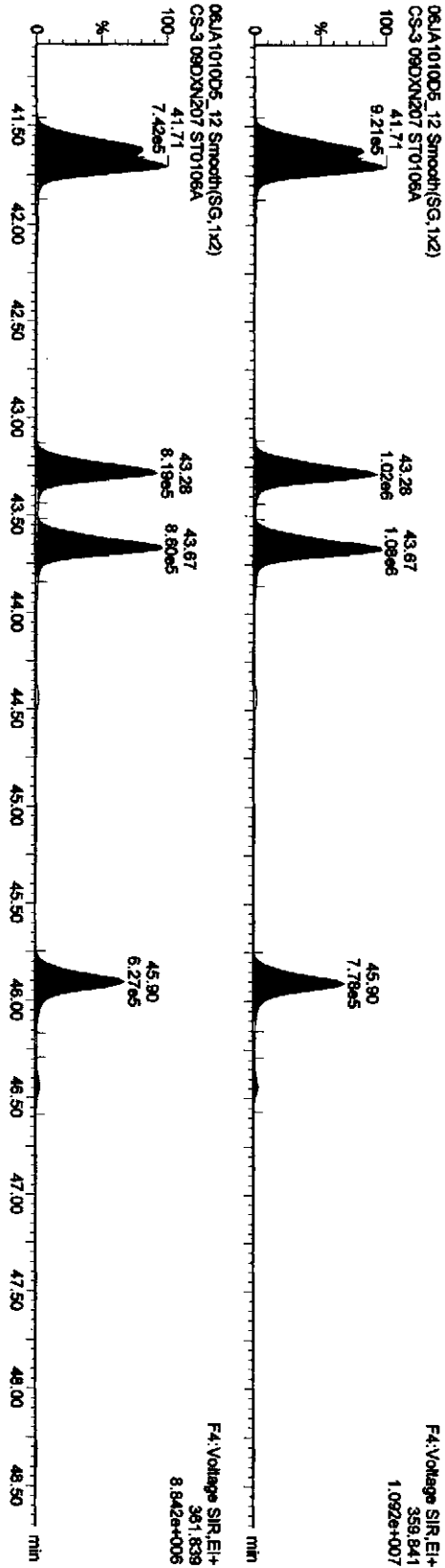


Dataset: C:\MassLynx\Default\pro\06JA1010D51668MSL.qld

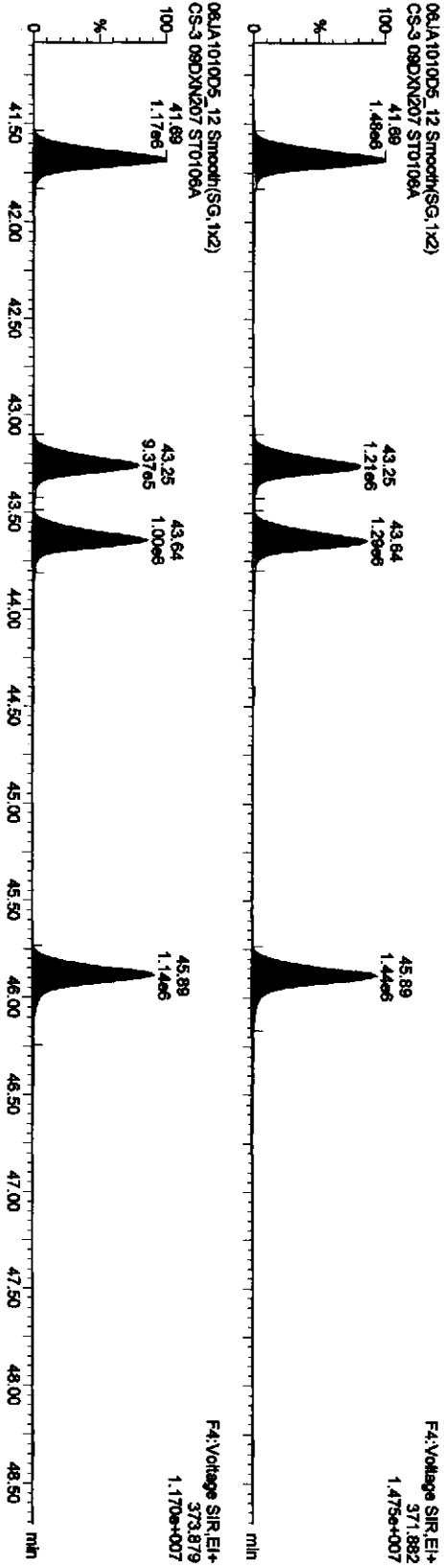
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_12, Date: 07-Jan-2010, Time: 03:58:12, ID: ST0106A, Description: CS-3 09DXN207

HxPCBs-



13C-HxPCBs



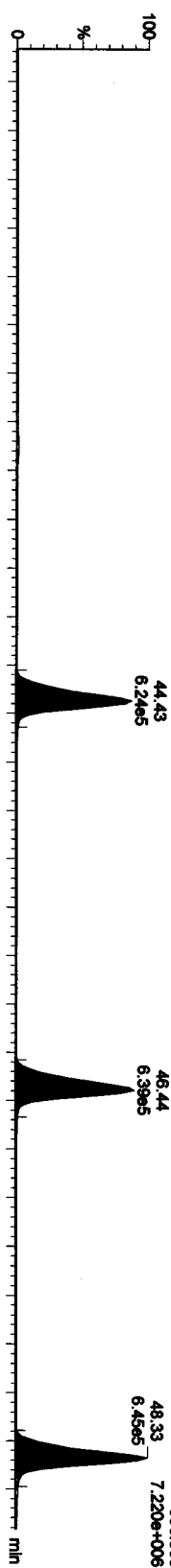
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Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

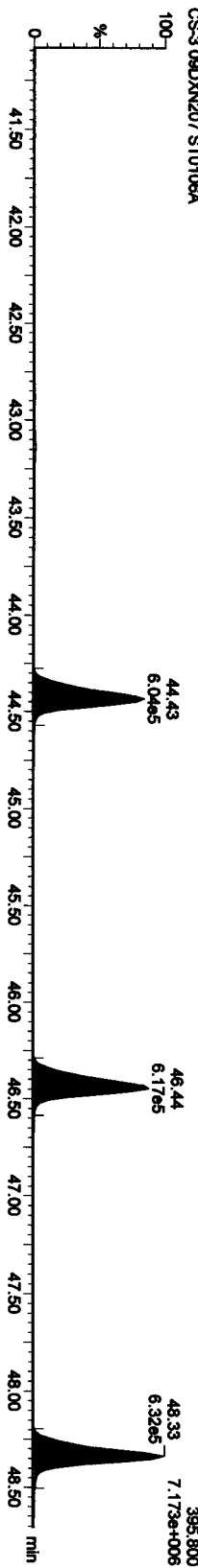
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**HPFCBs**

06JA1010D5\_12 Smooth(SG,1x2)  
CS-3 09DXN207 ST0106A

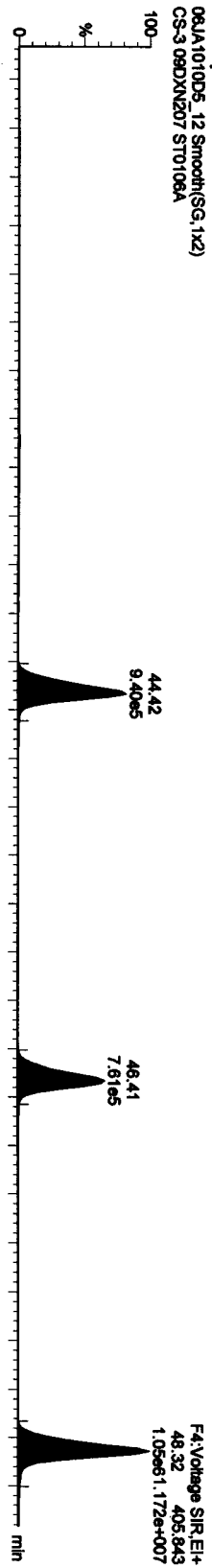


06JA1010D5\_12 Smooth(SG,1x2)  
CS-3 09DXN207 ST0106A

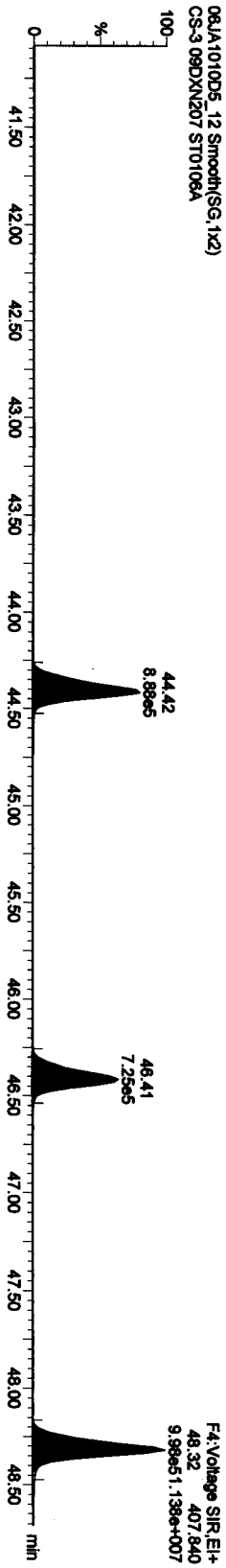


**13C-HPFCBs**

06JA1010D5\_12 Smooth(SG,1x2)  
CS-3 09DXN207 ST0106A



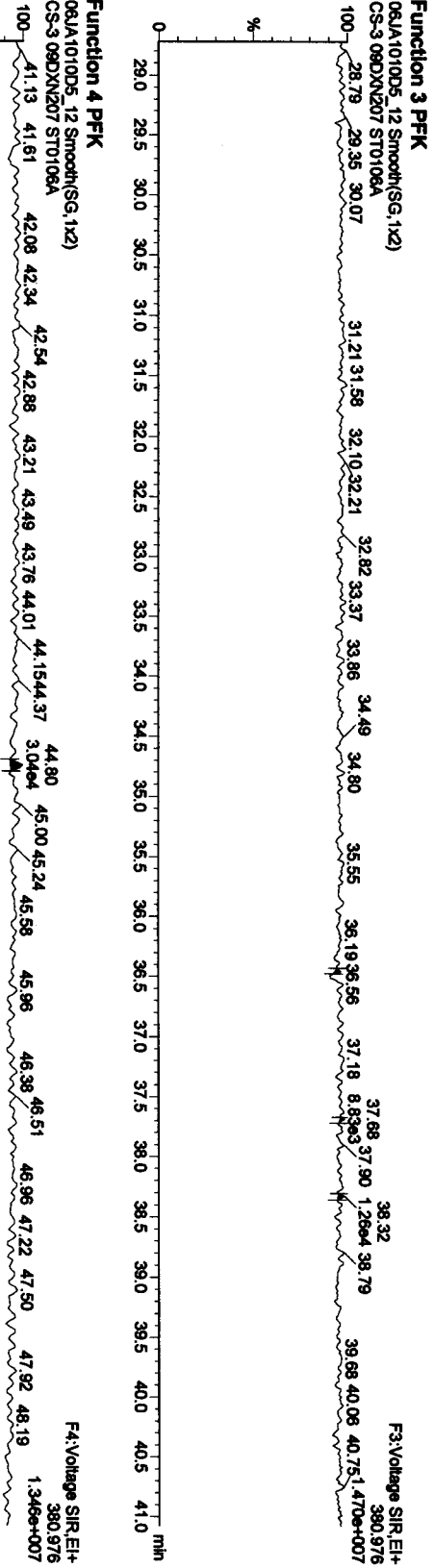
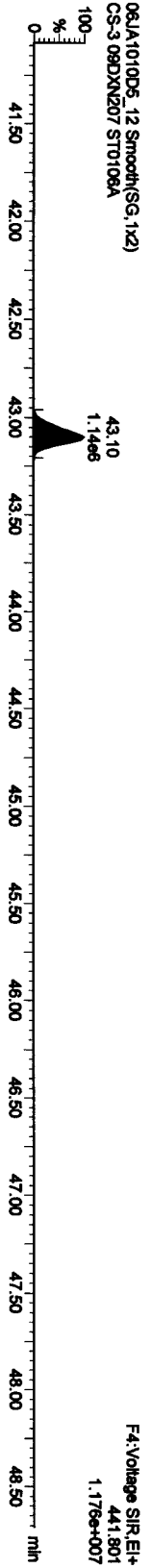
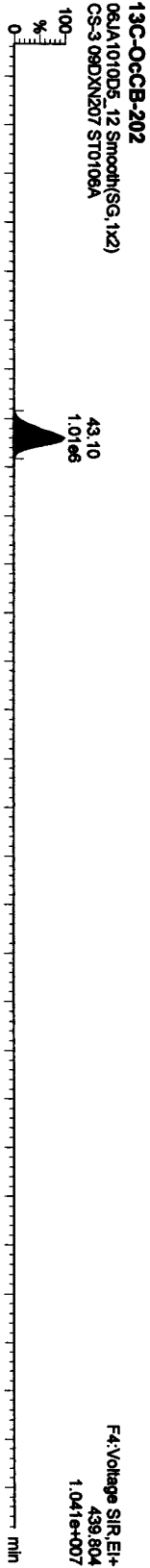
06JA1010D5\_12 Smooth(SG,1x2)  
CS-3 09DXN207 ST0106A



Dataset: C:\Masslynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_12, Date: 07-Jan-2010, Time: 03:58:12, ID: ST0106A, Description: CS-3 09DXN207

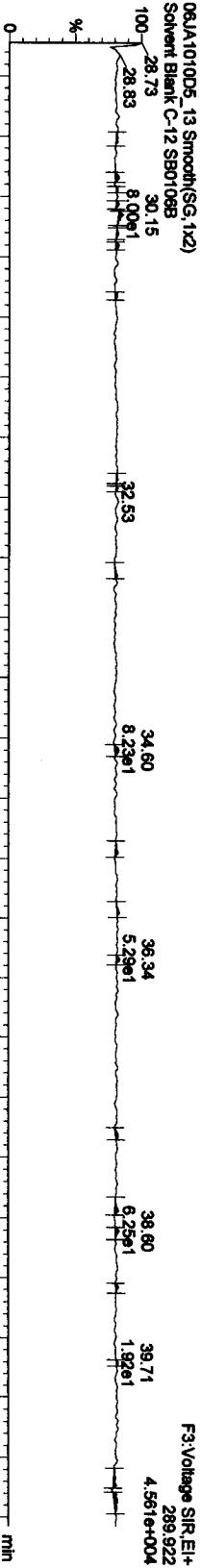


Dataset: C:\MassLynx\Default\pro06JA1010D51668MSL.qld

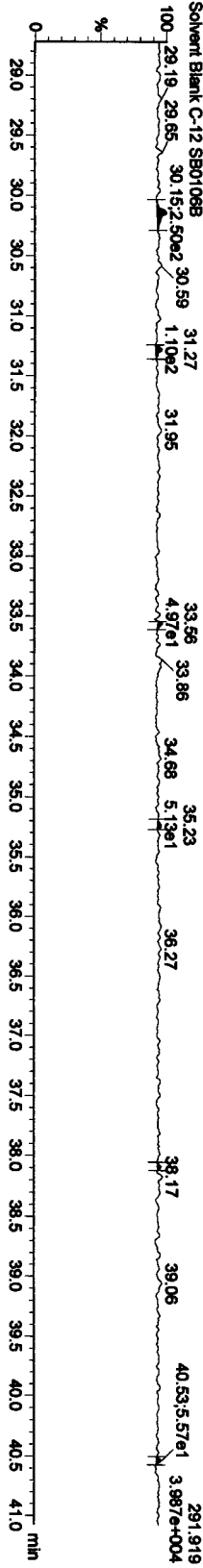
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_13, Date: 07-Jan-2010, Time: 04:55:04, ID: SB0106B, Description: Solvent Blank C-12

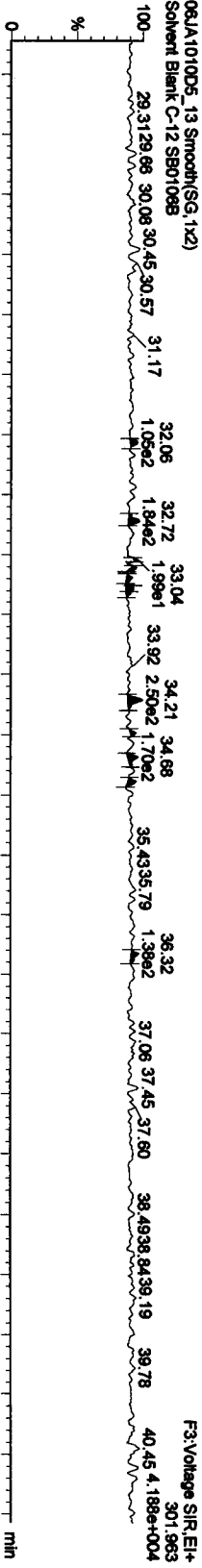
TetraPCBs



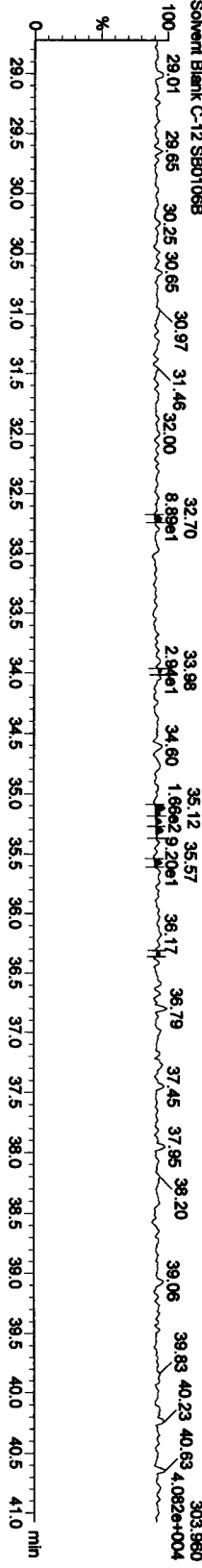
13C-TetraPCBs



13C-TetraPCBs



13C-TetraPCBs



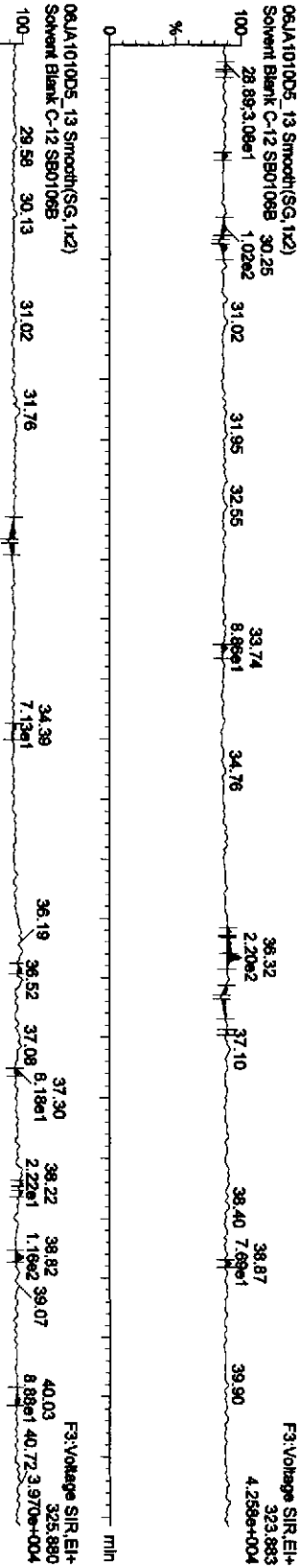


Dataset: C:\MassLynx\Default\pro06JA1010D51668MSL.qld

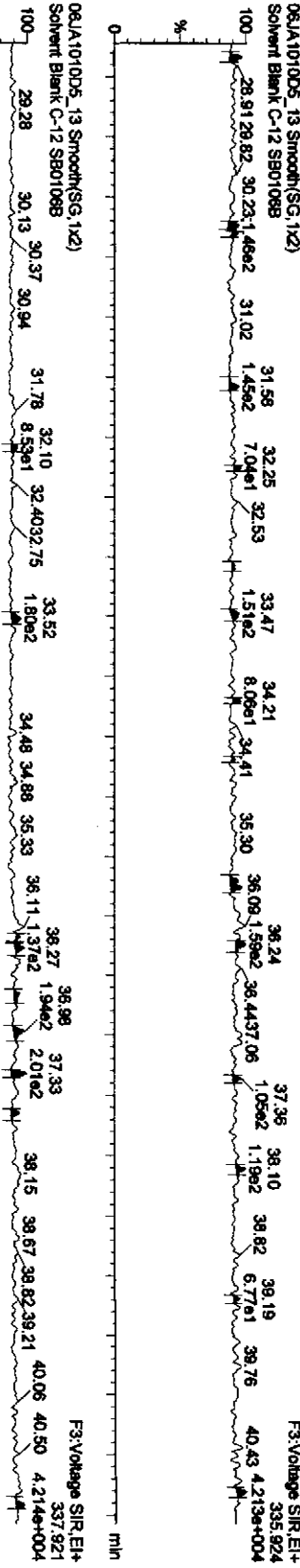
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_13, Date: 07-Jan-2010, Time: 04:55:04, ID: SB0106B, Description: Solvent Blank C-12

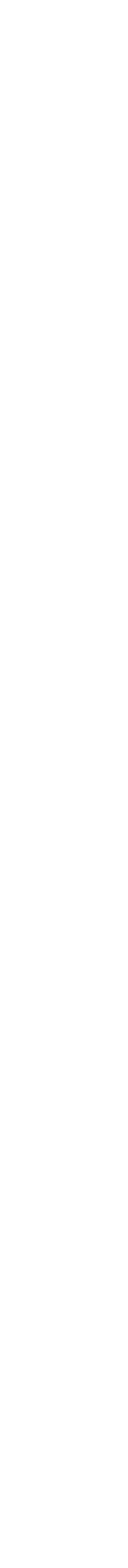
PePCBs



13C-PePCBs



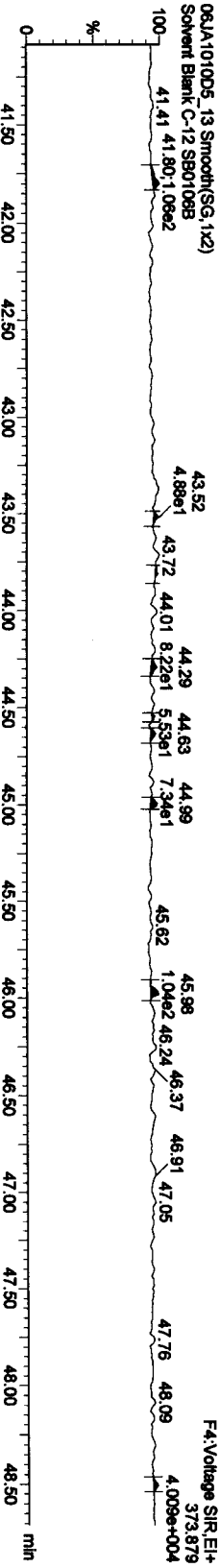
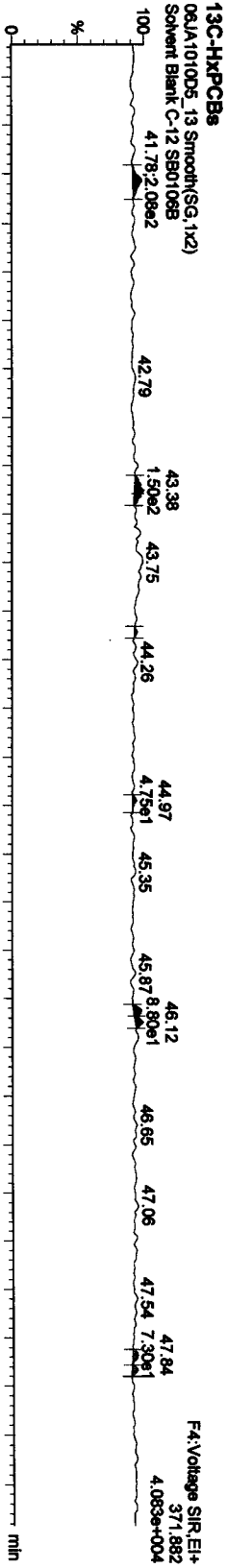
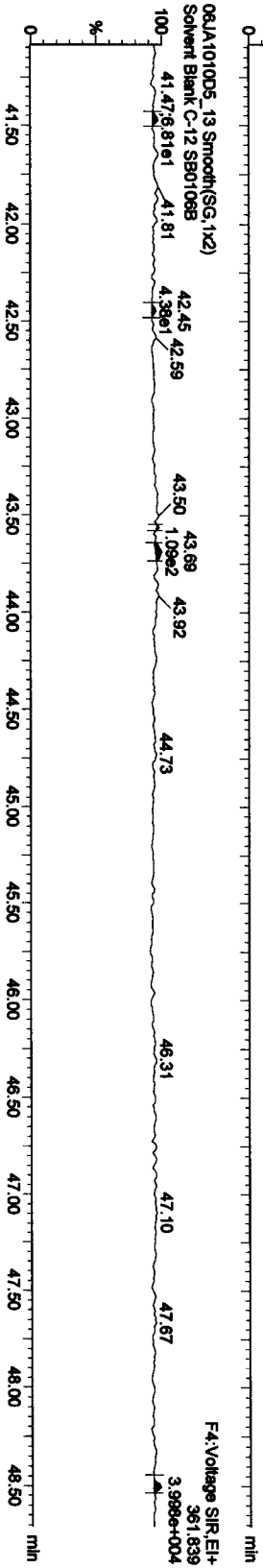
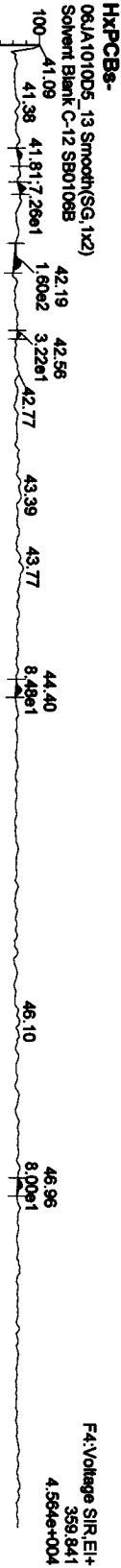
06JA1010D5\_13 Smooth(SG, 1x2)



Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_13, Date: 07-Jan-2010, Time: 04:55:04, ID: SB0106B, Description: Solvent Blank C-12



Dataset: C:\MassLynx\Default\pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_13, Date: 07-Jan-2010, Time: 04:55:04, ID: SB0106B, Description: Solvent Blank C-12

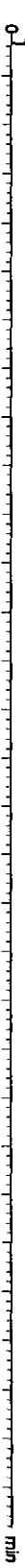
HPLC/MS

06JA1010D5\_13 Smooth(SG, 1x2)

Solvent Blank C-12 SB0106B



FA:Voltage SIR.EI+  
393.803



FA:Voltage SIR.EI+  
355.800

06JA1010D5\_13 Smooth(SG, 1x2)

Solvent Blank C-12 SB0106B



FA:Voltage SIR.EI+  
405.843

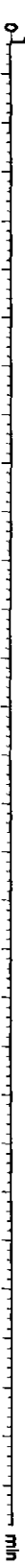
13C-HPLC/MS

06JA1010D5\_13 Smooth(SG, 1x2)

Solvent Blank C-12 SB0106B



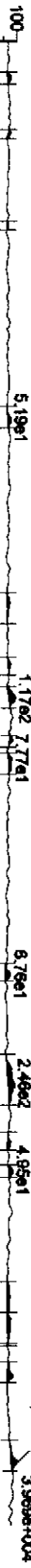
FA:Voltage SIR.EI+  
405.843



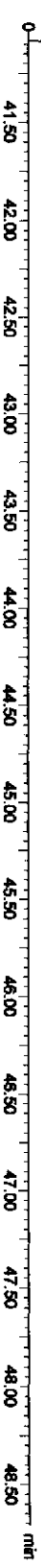
FA:Voltage SIR.EI+  
407.840

06JA1010D5\_13 Smooth(SG, 1x2)

Solvent Blank C-12 SB0106B



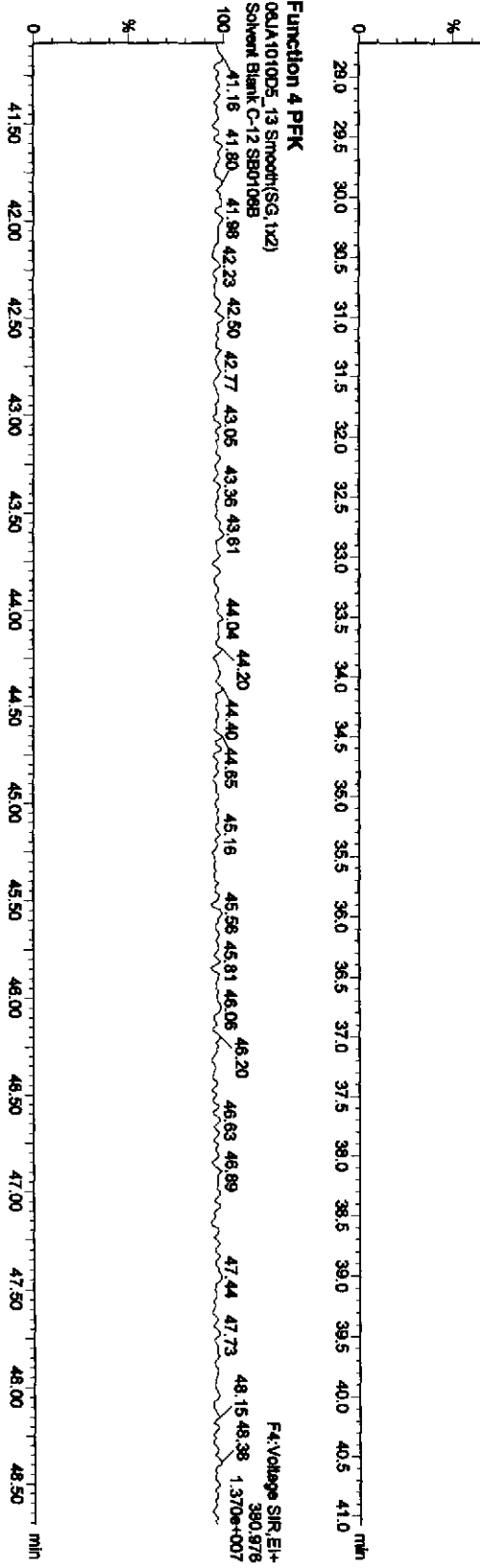
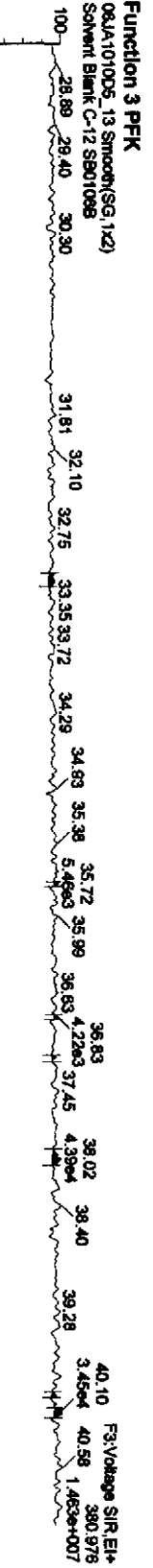
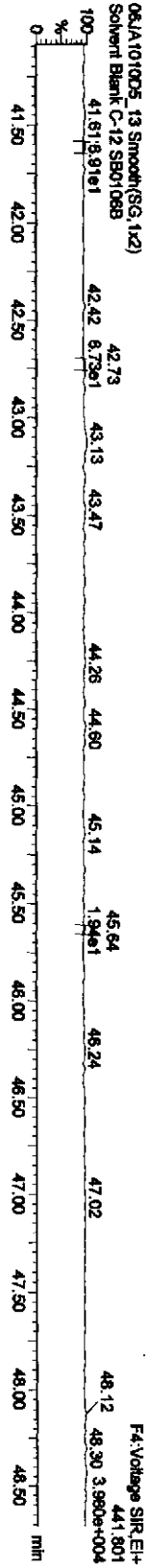
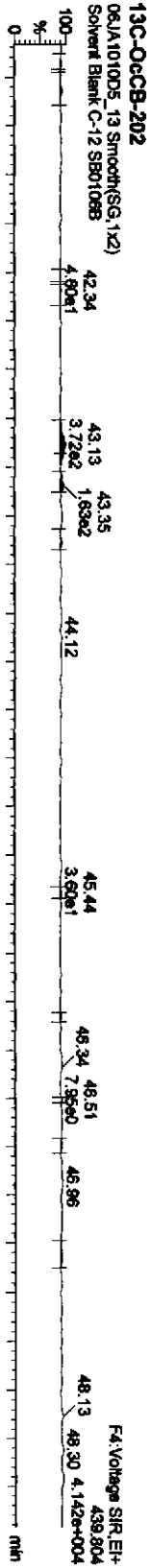
FA:Voltage SIR.EI+  
407.840



Dataset: C:\MassLynx\Default\pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_13, Date: 07-Jan-2010, Time: 04:55:04, ID: SB0106B, Description: Solvent Blank C-12



Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:58:22 AM Pacific Standard Time

Name: 06JA1010D5\_14, Date: 07-Jan-2010, Time: 05:51:50, ID: LRRDX-1-AAB, Description: G9L290466-1MB, Task:

*AK 1/25/10*

1	13C-PeCB-101	335.924	0.500	31.76	31.75	1.000	838438.16	4000.0000	4000.0000	100.0	4.3549	0.630	0.610	NO
2														
3	13C-TeCB-81	301.963	0.500	33.67	33.65	1.040	816753.84	3747.2527	3747.2527	93.7	4.1320	0.792	0.770	NO
4	TeCB-81	289.922	0.500	33.67	33.67	1.458	250.97	0.8428	0.8428	CR	1.1615	0.661	0.770	NO
5	13C-TeCB-77	301.963	0.500	34.36	34.34	1.104	855253.28	3694.8476	3694.8476	92.4	3.8909	0.789	0.770	NO
6	TeCB-77	289.922	0.500		34.36	1.271					1.4360		0.770	NO
7														
8	13C-PeCB-123	335.924	0.500	36.02	36.02	0.993	804615.00	3865.7357	3865.7357	96.6	4.3846	0.629	0.610	NO
9	PeCB-123	323.883	0.500	36.20	36.02	1.505	3553.32	11.7314	11.7314		1.2737	0.665	0.610	NO
10	13C-PeCB-118	335.924	0.500	36.19	36.19	1.024	898830.59	4187.3212	4187.3212	104.7	4.2526	0.626	0.610	NO
11	PeCB-118/106	323.883	0.500		36.19	1.525					1.1284		0.610	NO
12	13C-PeCB-114	335.924	0.500	36.98	36.97	1.037	850394.50	3912.6285	3912.6285	97.8	4.1999	0.635	0.610	NO
13	PeCB-114	323.883	0.500	36.98	36.98	1.586	310.53	0.9209	0.7151		1.1691	0.417	0.610	YES
14	13C-PeCB-105	335.924	0.500	38.03	38.05	0.982	856042.78	4160.9286	4160.9286	104.0	4.4370	0.623	0.610	NO
15	PeCB-105/127	323.883	0.500	38.07	38.03	1.433	1234.79	4.0256	3.1872		1.3322	0.429	0.610	YES
16	13C-PeCB-126	335.924	0.500	40.36	40.35	1.030	945443.94	4379.1794	4379.1794	109.5	4.2282	0.640	0.610	NO
17	PeCB-126	323.883	0.500		40.36	1.158					1.6187		0.610	NO
18														
19	13C-OcCB-202	439.804	0.500	43.16	43.16	1.000	865339.25	4000.0000	4000.0000	100.0	2.0806	0.887	0.890	NO
20														
21	13C-HxCB-167	371.882	0.500	41.78	41.70	1.002	579221.36	2670.8430	2670.8430	66.8	3.9489	1.275	1.240	NO
22	HxCB-167	359.841	0.500		41.78	1.348					2.6908		1.240	NO
23	13C-HxCB-156	371.882	0.500	43.32	43.28	0.785	830825.22	4891.6566	4891.6566	122.3	5.0422	1.289	1.240	NO
24	HxCB-156	359.841	0.500	43.72	43.32	1.888	227.83	0.8497	0.8497		1.0656	1.136	1.240	NO
25	13C-HxCB-157	371.882	0.500	43.69	43.67	0.835	770373.91	4263.3497	4263.3497	106.6	4.7394	1.300	1.240	NO
26	HxCB-157	359.841	0.500		43.69	1.860					1.1339		1.240	NO
27	13C-HxCB-169	371.882	0.500	45.92	45.89	0.871	827306.41	4389.1799	4389.1799	109.7	4.5435	1.302	1.240	NO
28	HxCB-169	359.841	0.500		45.92	1.098					1.6592		1.240	NO
29														
30	13C-HpCB-180	405.843	0.500	44.45	44.46	0.684	662055.84	4473.9873	4473.9873	111.8	2.5085	1.050	1.050	NO
31	HpCB-180	393.803	0.500	44.48	44.45	1.300	893.87	4.1531	2.4587		1.6540	0.435	1.050	YES
32	13C-HpCB-170	405.843	0.500	46.44	46.46	0.548	564985.78	4768.0738	4768.0738	119.2	3.1327	1.077	1.050	NO
33	HpCB-170	393.803	0.500		46.44	1.615					1.5154		1.050	NO
34	13C-HpCB-189	405.843	0.500	48.37	48.35	0.698	761399.31	5044.7119	5044.7119	126.1	2.4594	1.045	1.050	NO
35	HpCB-189	393.803	0.500		48.37	1.231					1.3575		1.050	NO

Dataset: C:\MassLynx\Default\proj\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time

Printed: Friday, January 08, 2010 10:58:22 AM Pacific Standard Time

Name: 06JA1010D5\_14, Date: 07-Jan-2010, Time: 05:51:50, ID: LRRDX-1-AAB, Description: G9L290466-1MB, Task:

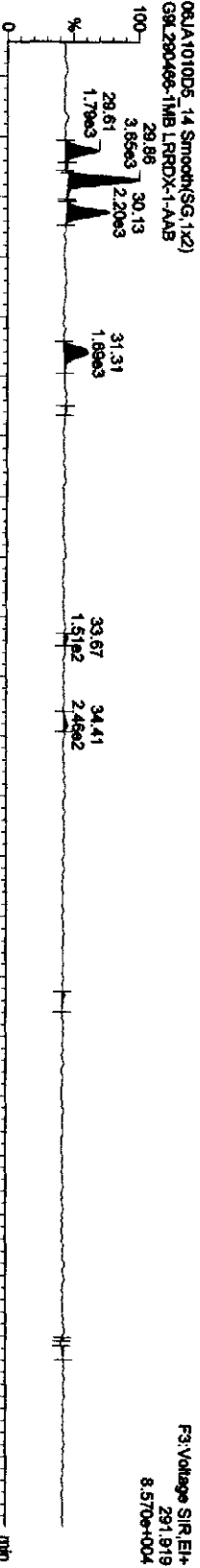
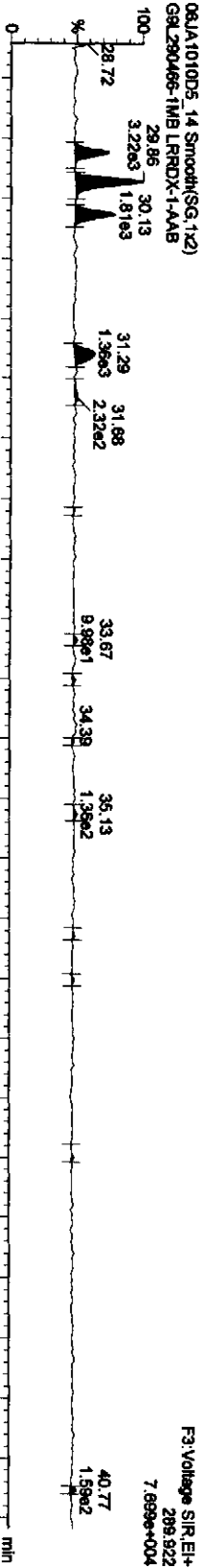
36																							
37	13C-PeCB-111	335.924	0.500	33.52	33.51	1.305	937637.69	3299.8746	82.5	4.0956	0.643	0.610	NO										
38																							
39	Function 3 PFK	380.976	1.000																				
40	Function 4 PFK	380.976	1.000																				

Dataset: C:\MassLynx\Default.pro\06JJA1010D51669MSL.qtd

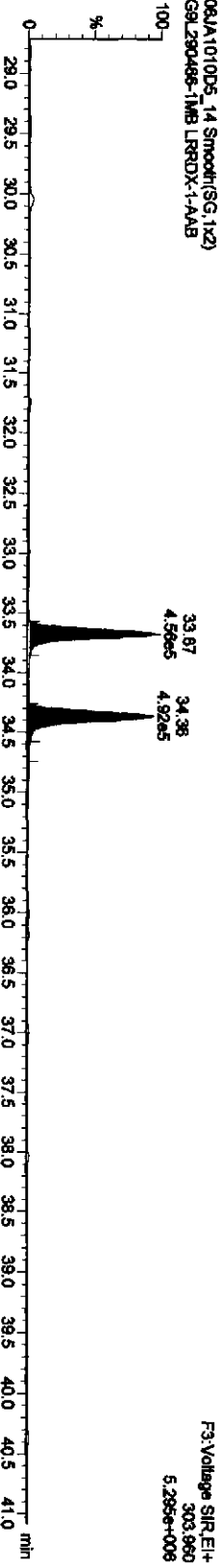
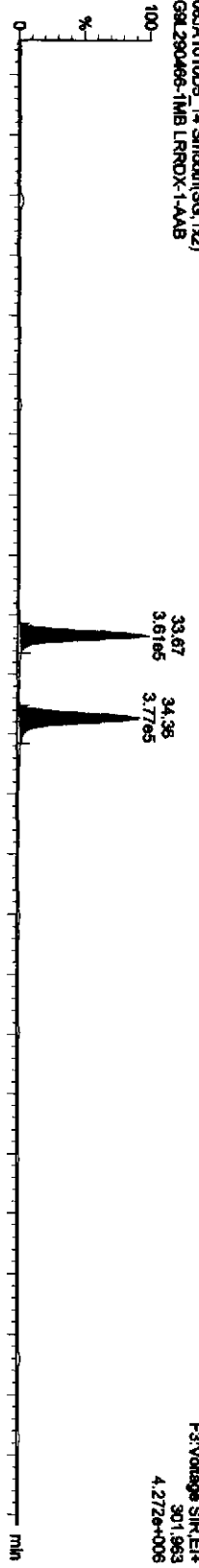
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JJA1010D5\_14, Date: 07-Jan-2010, Time: 05:51:50, ID: LRRDX-1-AAB, Description: G9L290466-1MB

TetraPCBs



13C-TetraPCBs

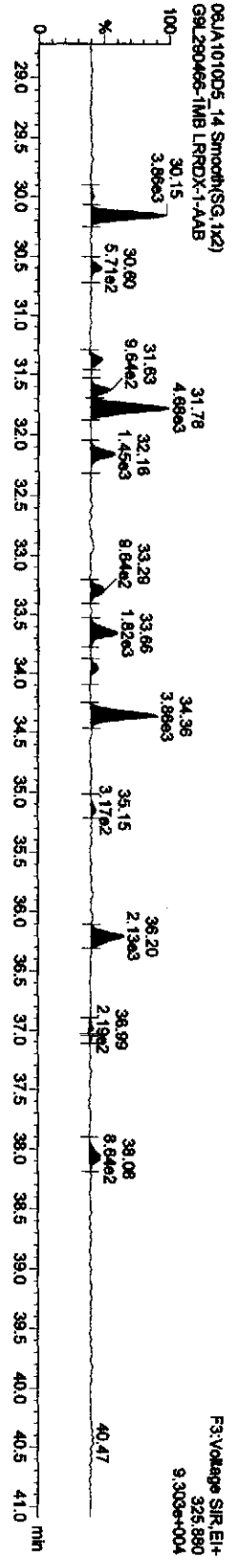
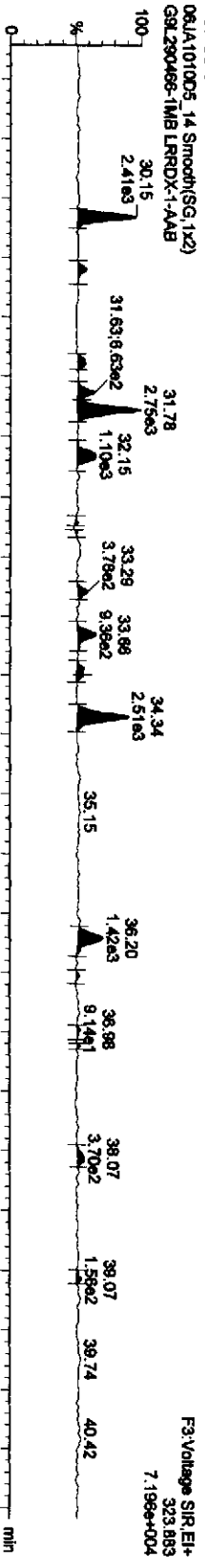


Dataset: C:\MassLynx\Default\proj\06JA1010D51668MSL.qld

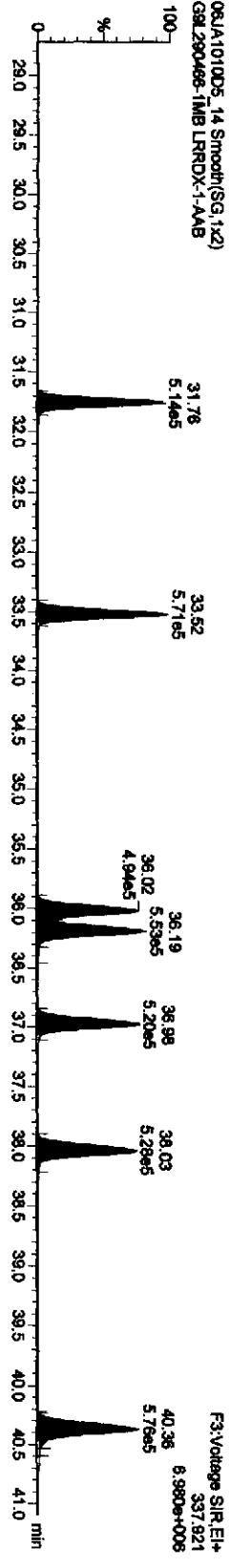
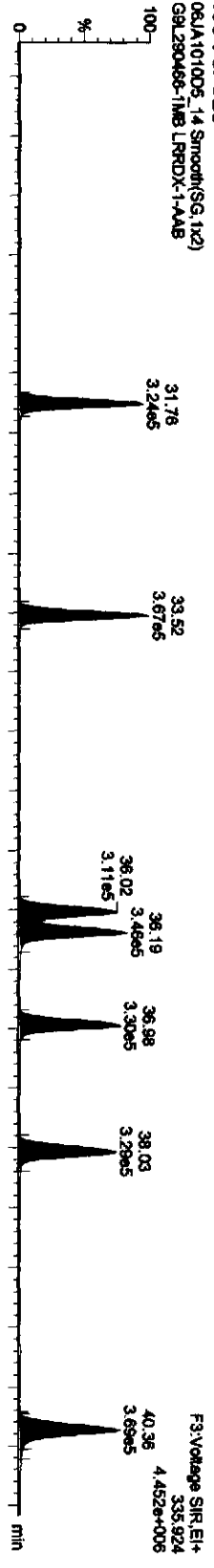
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Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_14, Date: 07-Jan-2010, Time: 05:51:50, ID: LRRDX-1-AAB, Description: G9L290466-1MB

PePCBs



13C-PePCBs



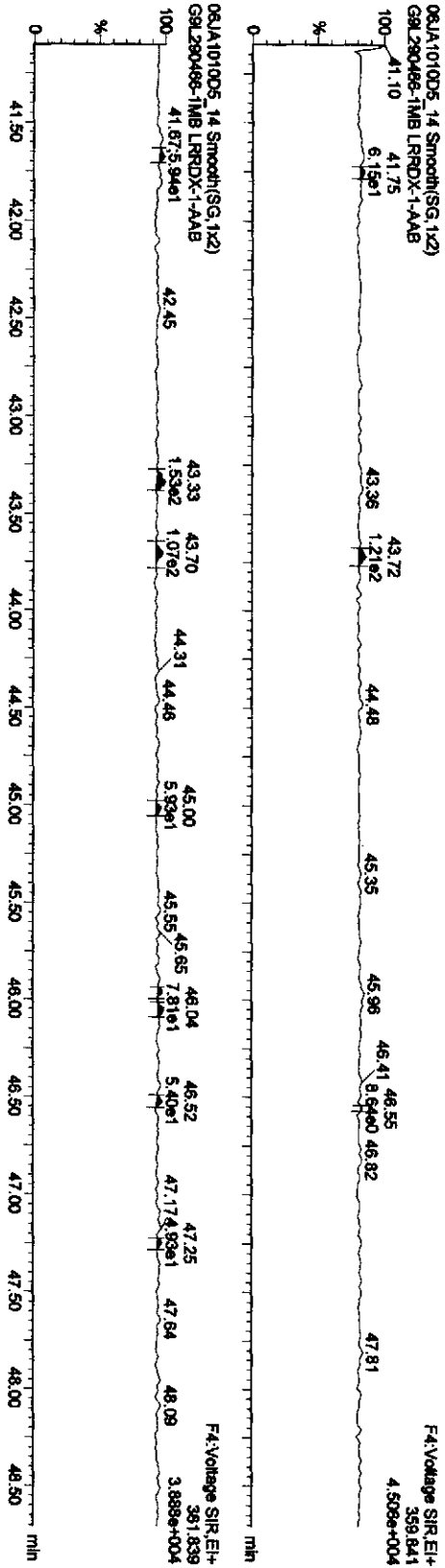


Dataset: C:\MassLynx\Default\pro06JA1010D51668MSL.qld

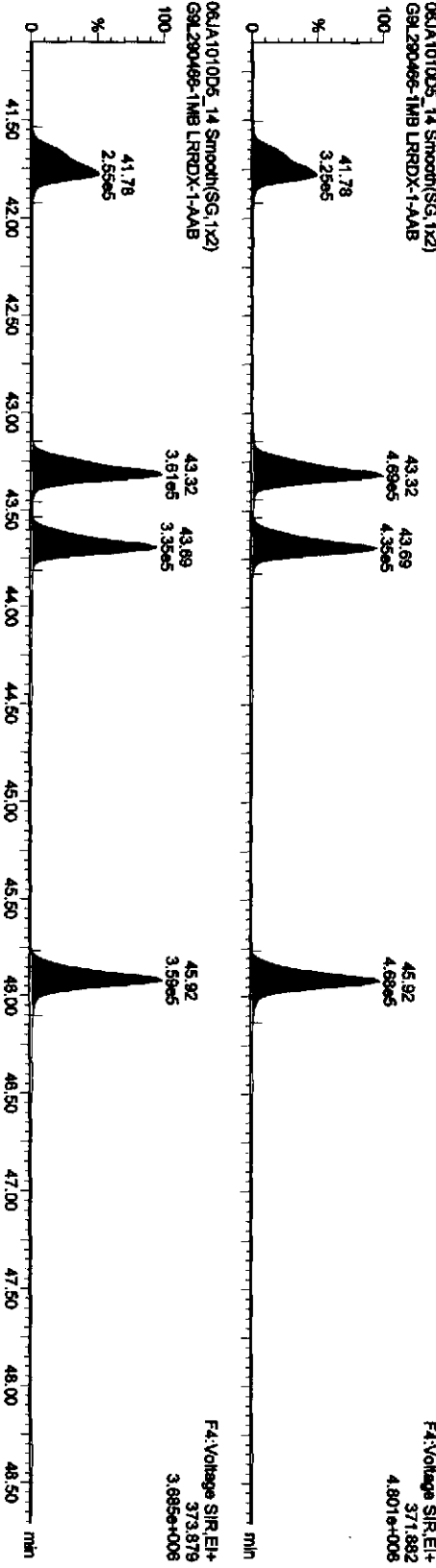
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_14, Date: 07-Jan-2010, Time: 05:51:50, ID: LRRDX-1-AAB, Description: G9L290466-1MB

**HxPCBs-**



**13C-HxPCBs**

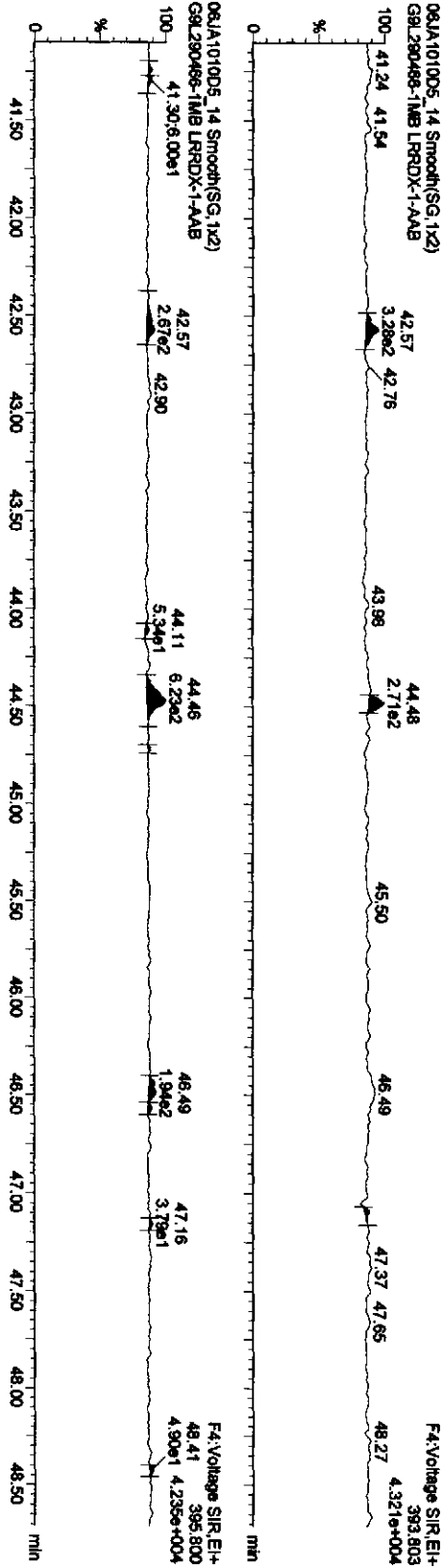


Dataset: C:\Masslynx\Default.pro\06JA1010D51668MSL.qld

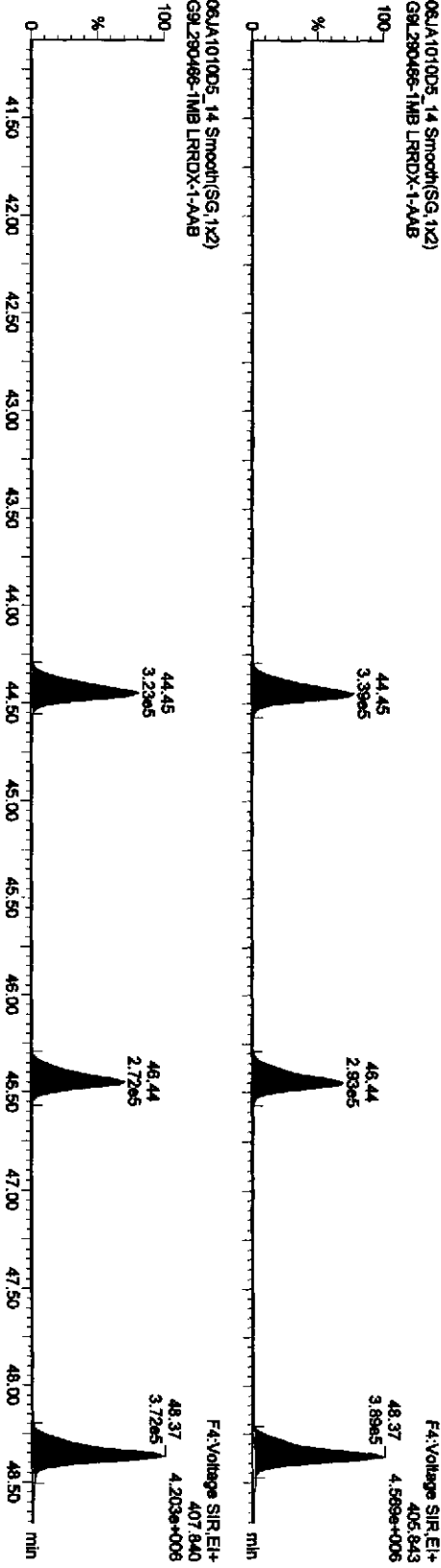
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_14, Date: 07-Jan-2010, Time: 05:51:50, ID: LRRDX-1-AAB, Description: G9L290466-1MB

HPCBs



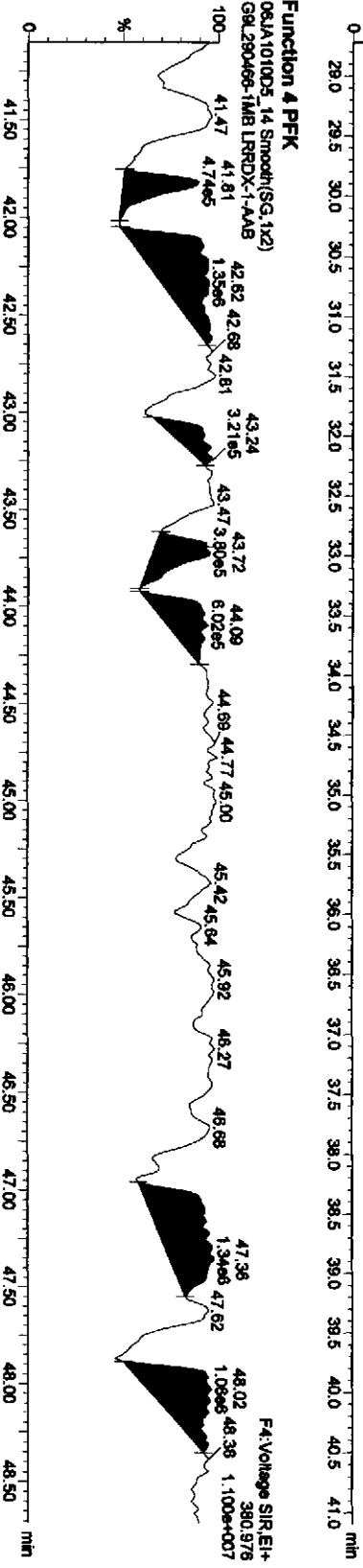
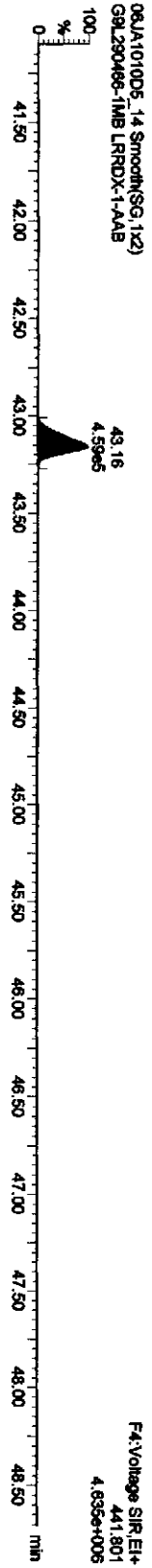
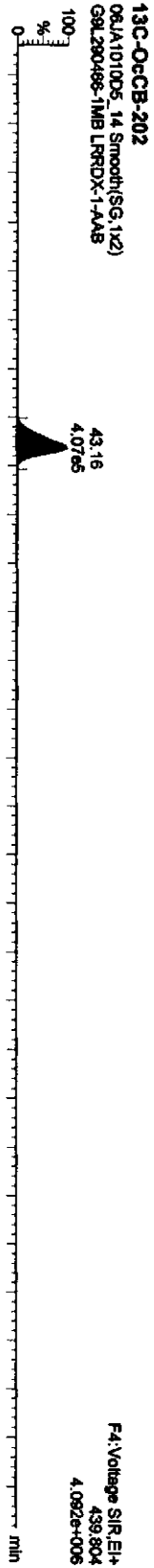
13C-HPCBs



Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_14, Date: 07-Jan-2010, Time: 05:51:50, ID: LRRDX-1-AAB, Description: G9L290466-1MB



Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default.pro\12JA1010D51668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:41:15 PM Pacific Standard Time

Printed: Wednesday, January 13, 2010 4:48:22 PM Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
 Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

AK 1/25/10

Name: 12JA1010D5\_3, Date: 12-Jan-2010, Time: 20:00:33, ID: LRRDX-1-ACC, Description: G9L290466-1LCS (10x), Task:

1	13C-PeCB-101	335.924	0.500	31.68	31.75	1.000	54706.18	4000.0000	4000.0000	100.0	50.7148	0.627	0.610	NO
2														
3	13C-TeCB-81	301.963	0.500	33.61	33.57	1.040	44761.28	3147.4507	3147.4507	78.7	62.2417	0.782	0.770	NO
4	TeCB-81	289.922	0.500	33.65	33.61	1.458	58930.70	3610.9914	3610.9914		36.4347	0.766	0.770	NO
5	13C-TeCB-77	301.963	0.500	34.32	34.26	1.104	42895.43	2840.1902	2840.1902	71.0	58.6086	0.847	0.770	NO
6	TeCB-77	289.922	0.500	34.35	34.32	1.271	54120.38	3971.9052	3971.9052		51.7279	0.742	0.770	NO
7														
8	13C-PeCB-123	335.924	0.500	35.94	35.94	0.993	44382.87	3267.2780	3267.2780	81.7	51.0602	0.647	0.610	NO
9	PeCB-123	323.883	0.500	35.98	35.94	1.505	64084.96	3836.6548	3836.6548		29.5793	0.598	0.610	NO
10	13C-PeCB-118	335.924	0.500	36.11	36.11	1.024	47130.42	3365.0722	3365.0722	84.1	49.5227	0.671	0.610	NO
11	PeCB-118/106	323.883	0.500	36.15	36.11	1.525	71072.60	3954.4794	3954.4794		28.6576	0.607	0.610	NO
12	13C-PeCB-114	335.924	0.500	36.90	36.89	1.037	43955.84	3099.5551	3099.5551	77.5	48.9096	0.647	0.610	NO
13	PeCB-114	323.883	0.500	36.93	36.90	1.586	72556.87	4163.0309	4163.0309		31.0527	0.585	0.610	NO
14	13C-PeCB-105	335.924	0.500	37.97	37.97	0.982	43228.57	3220.3293	3220.3293	80.5	51.6703	0.647	0.610	NO
15	PeCB-105/127	323.883	0.500	37.99	37.97	1.433	61716.88	3984.4374	3984.4374		38.8305	0.608	0.610	NO
16	13C-PeCB-126	335.924	0.500	40.32	40.27	1.030	41149.94	2921.1966	2921.1966	73.0	49.2383	0.624	0.610	NO
17	PeCB-126	323.883	0.500	40.34	40.32	1.156	48921.37	4114.3460	4114.3460		60.5006	0.583	0.610	NO
18														
19	13C-OcCB-202	439.804	0.500	43.07	43.16	1.000	66942.06	4000.0000	4000.0000	100.0	21.8345	0.883	0.890	NO
20														
21	13C-HxCB-167	371.882	0.500	41.69	41.61	1.002	39663.50	2364.1885	2364.1885	59.1	40.8488	1.203	1.240	NO
22	HxCB-167	359.841	0.500	41.70	41.69	1.348	46212.17	3457.3855	3457.3855		54.7560	1.199	1.240	NO
23	13C-HxCB-156	371.882	0.500	43.24	43.19	0.785	45418.30	3456.7219	3456.7219	86.4	52.1581	1.330	1.240	NO
24	HxCB-156	359.841	0.500	43.25	43.24	1.688	70154.13	3659.3706	3659.3706		34.6941	1.282	1.240	NO
25	13C-HxCB-157	371.882	0.500	43.61	43.58	0.835	47132.81	3371.7861	3371.7861	84.3	49.0258	1.271	1.240	NO
26	HxCB-157	359.841	0.500	43.62	43.61	1.660	76209.21	3896.9755	3896.9755		34.3613	1.257	1.240	NO
27	13C-HxCB-169	371.882	0.500	45.85	45.80	0.871	40153.33	2753.7586	2753.7586	68.8	46.9994	1.298	1.240	NO
28	HxCB-169	359.841	0.500	45.87	45.85	1.098	48848.52	4430.5953	4430.5953		70.5247	1.117	1.240	NO
29														
30	13C-HpCB-180	405.843	0.500	44.37	44.37	0.684	42624.38	3723.4501	3723.4501	93.1	35.5781	1.064	1.050	NO
31	HpCB-180	393.803	0.500	44.40	44.37	1.300	54164.11	3908.8837	3908.8837		36.1167	1.010	1.050	NO

Dataset: C:\MassLynx\Default\pro112JA1010D51668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:41:15 PM Pacific Standard Time  
 Printed: Wednesday, January 13, 2010 4:48:22 PM Pacific Standard Time

Name: 12JA1010D5\_3, Date: 12-Jan-2010, Time: 20:00:33, ID: LRRDX-1-ACC, Description: G9L290466-1LCS (10x), Task:

32 13C-HpCB-170	405.843	0.500	46.37	46.37	0.548	36138.48	3942.4172	3942.4172	98.6	44.4313	1.088	1.050	NO
33 HpCB-170	393.803	0.500	46.40	46.37	1.615	55056.60	3773.3294	3773.3294		35.5387	1.031	1.050	NO
34 13C-HpCB-189	405.843	0.500	48.29	48.26	0.698	43584.38	3732.8634	3732.8634	93.3	34.8825	1.045	1.050	NO
35 HpCB-189	393.803	0.500	48.30	48.29	1.231	50795.95	3787.8806	3787.8806		37.4430	1.048	1.050	NO
36													
37 13C-PaCB-111	335.924	0.500		33.51	1.305					67.4822		0.610	NO
38													
39 Function 3 PFK	380.976	1.000											
40 Function 4 PFK	380.976	1.000											

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\pro12JA1010D51668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
 Printed: Wednesday, January 13, 2010 4:30:31 PM Pacific Standard Time

Name: 12JA1010D5\_3, Date: 12-Jan-2010, Time: 20:00:33, ID: LRRDX-1-ACC, Description: G9L290466-1LCS (10x), Task:

1	13C-PeCB-101	335.924	0.500	31.68	31.75	1.000	54706.18	4000.0000	4000.0000	100.0	50.7148	0.627	0.610	NO
2														
3	13C-TeCB-81	301.963	0.500	33.61	33.57	1.040	44761.28	3147.4507	3147.4507	78.7	62.2417	0.782	0.770	NO
4	TeCB-81	289.922	0.500	33.65	33.61	1.458	58930.70	3610.9914	3610.9914		36.4347	0.766	0.770	NO
5	13C-TeCB-77	301.963	0.500	34.32	34.26	1.104	42895.43	2840.1902	2840.1902	71.0	58.6086	0.847	0.770	NO
6	TeCB-77	289.922	0.500	34.35	34.32	1.271	54120.38	3971.9052	3971.9052		51.7279	0.742	0.770	NO
7														
8	13C-PeCB-123	335.924	0.500	35.94	35.94	0.993	44382.87	3267.2780	3267.2780	81.7	51.0602	0.647	0.610	NO
9	PeCB-123	323.883	0.500	35.98	35.94	1.505	64084.96	3836.6548	3836.6548		29.5793	0.598	0.610	NO
10	13C-PeCB-118	335.924	0.500	36.11	36.11	1.024	47130.42	3365.0722	3365.0722	84.1	49.5227	0.671	0.610	NO
11	PeCB-118/106	323.883	0.500	36.15	36.11	1.525	71072.60	3954.4794	3954.4794		28.6576	0.607	0.610	NO
12	13C-PeCB-114	335.924	0.500	36.90	36.89	1.037	43955.84	3099.5551	3099.5551	77.5	48.9096	0.647	0.610	NO
13	PeCB-114	323.883	0.500	36.93	36.90	1.586	72556.87	4183.0309	4183.0309		31.0527	0.585	0.610	NO
14	13C-PeCB-105	335.924	0.500	37.97	37.97	0.982	43228.57	3220.3293	3220.3293	80.5	51.6703	0.647	0.610	NO
15	PeCB-105/127	323.883	0.500	37.99	37.97	1.433	61716.88	3984.4374	3984.4374		38.8305	0.608	0.610	NO
16	13C-PeCB-126	335.924	0.500	40.32	40.27	1.030	41149.94	2921.1966	2921.1966	73.0	49.2383	0.624	0.610	NO
17	PeCB-126	323.883	0.500	40.34	40.32	1.156	48921.37	4114.3460	4114.3460		60.5006	0.583	0.610	NO
18														
19	13C-OcCB-202	439.804	0.500	43.07	43.16	1.000	66942.06	4000.0000	4000.0000	100.0	21.8345	0.883	0.890	NO
20														
21	13C-HxCB-167	371.862	0.500	41.69	41.61	1.002	35236.98	2100.3409	1813.0078	52.5	40.8488	1.585	1.240	YES
22	HxCB-167	359.841	0.500	41.70	41.69	1.348	46212.17	3891.7089	3891.7089		61.6345	1.199	1.240	NO
23	13C-HxCB-156	371.862	0.500	43.24	43.19	0.785	45418.30	3456.7219	3456.7219	86.4	52.1581	1.330	1.240	NO
24	HxCB-156	359.841	0.500	43.25	43.24	1.688	70154.13	3659.3706	3659.3706		34.6941	1.282	1.240	NO
25	13C-HxCB-157	371.862	0.500	43.81	43.58	0.835	47132.81	3371.7861	3371.7861	84.3	49.0258	1.271	1.240	NO
26	HxCB-157	359.841	0.500	43.82	43.61	1.660	76209.21	3896.9755	3896.9755		34.3613	1.257	1.240	NO
27	13C-HxCB-169	371.862	0.500	45.85	45.80	0.871	40153.33	2753.7586	2753.7586	68.8	46.9994	1.288	1.240	NO
28	HxCB-169	359.841	0.500	45.87	45.85	1.098	48848.52	4430.5953	4430.5953		70.5247	1.117	1.240	NO
29														
30	13C-HpCB-180	405.843	0.500	44.37	44.37	0.684	42624.38	3723.4501	3723.4501	93.1	35.5781	1.084	1.050	NO
31	HpCB-180	383.803	0.500	44.40	44.37	1.300	54164.11	3908.8837	3908.8837		36.1167	1.010	1.050	NO
32	13C-HpCB-170	405.843	0.500	46.37	46.37	0.548	36138.48	3942.4172	3942.4172	98.6	44.4313	1.088	1.050	NO
33	HpCB-170	393.803	0.500	46.40	46.37	1.615	55056.60	3773.3294	3773.3294		35.5387	1.031	1.050	NO
34	13C-HpCB-189	405.843	0.500	48.29	48.26	0.698	43584.38	3732.8634	3732.8634	93.3	34.8825	1.045	1.050	NO
35	HpCB-189	393.803	0.500	48.30	48.29	1.231	50795.95	3787.8806	3787.8806		37.4430	1.048	1.050	NO

Dataset:      C:\MassLynx\Default.pro\12JA1010D51668MSL.qld

Last Altered:      Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed:      Wednesday, January 13, 2010 4:30:31 PM Pacific Standard Time

Name: 12JA1010D5\_3, Date: 12-Jan-2010, Time: 20:00:33, ID: LRRDX-1-ACC, Description: G9L290466-1LCS (10x), Task:

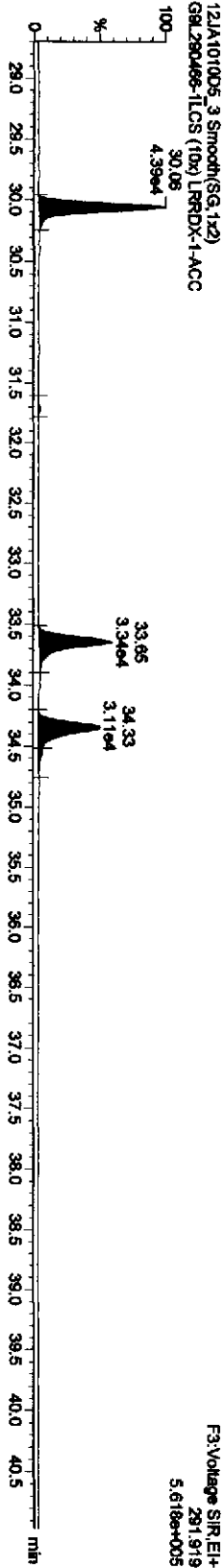
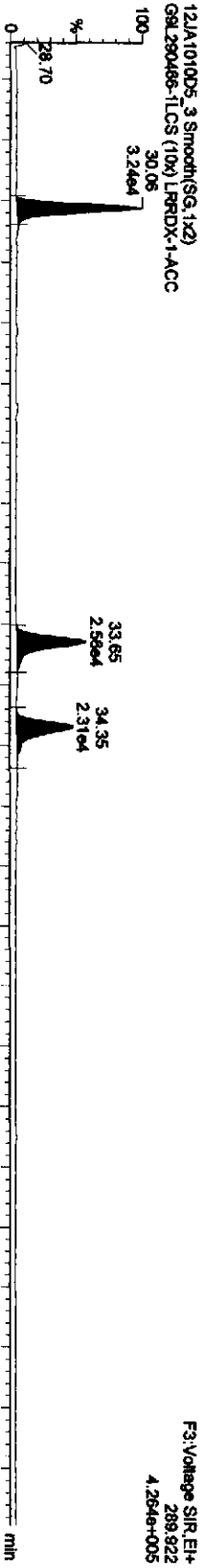
36									
37	13C-PeCB-111	335.924	0.500	33.51	1.305				
38						67.4822			
39	Function 3 PFK	380.976	1.000	0.00			0.610		NO
40	Function 4 PFK	380.976	1.000	0.00					

Dataset: C:\MassLynx\Default\pro\12JA1010D5\1668MSL.qld

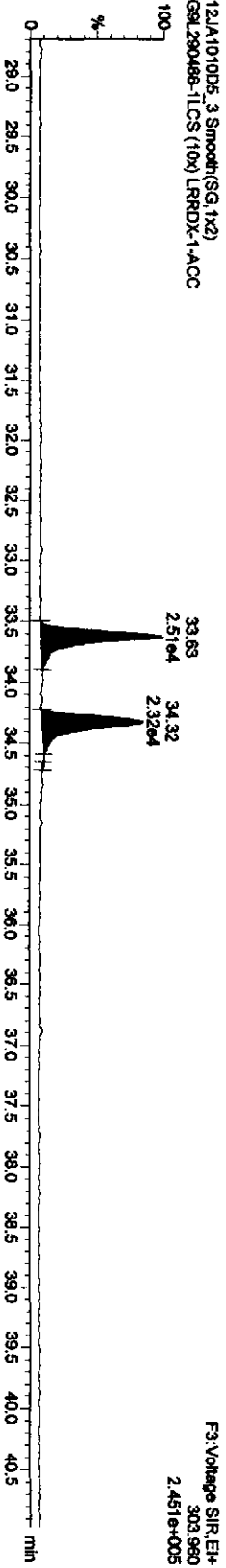
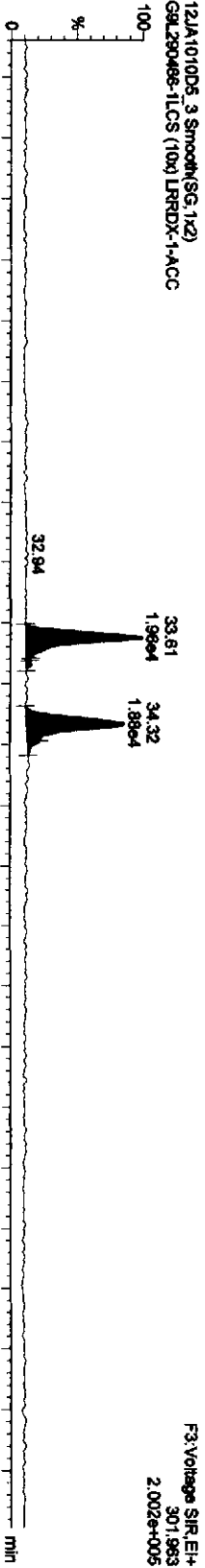
Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_3, Date: 12-Jan-2010, Time: 20:00:33, ID: LRRDX-1-ACC, Description: G9L290466-1LCS (10x)

TetraPCBs



13C-TetraPCBs



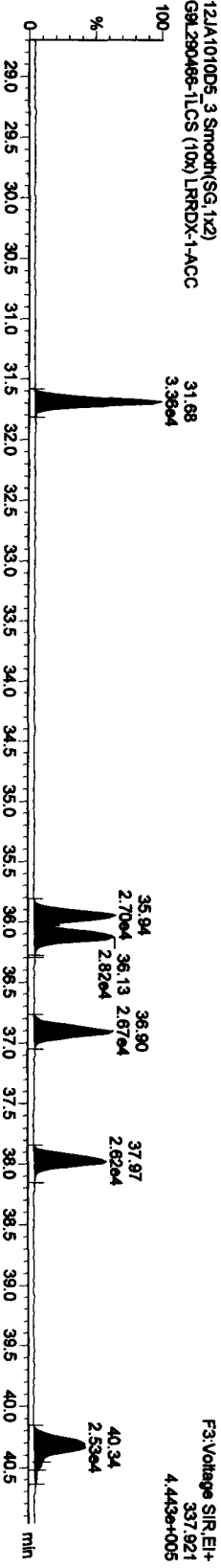
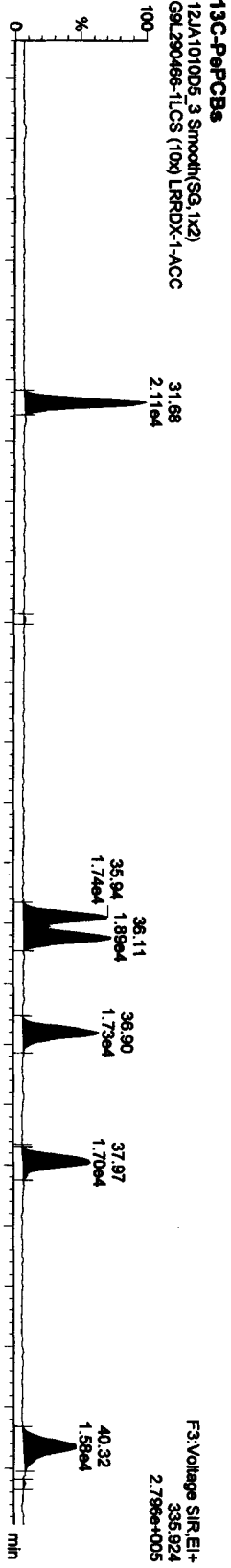
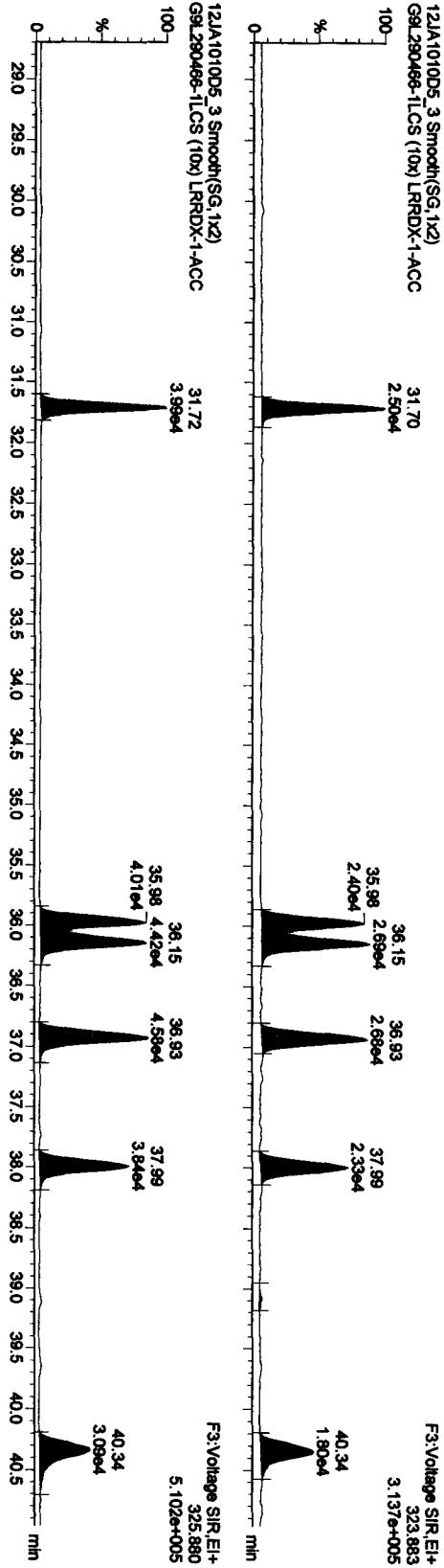


Dataset: C:\MassLynx\Default.pro\12JA1010D51668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_3, Date: 12-Jan-2010, Time: 20:00:33, ID: LRRDX-1-ACC, Description: G9L290466-TLCS (10x)

PePCBs

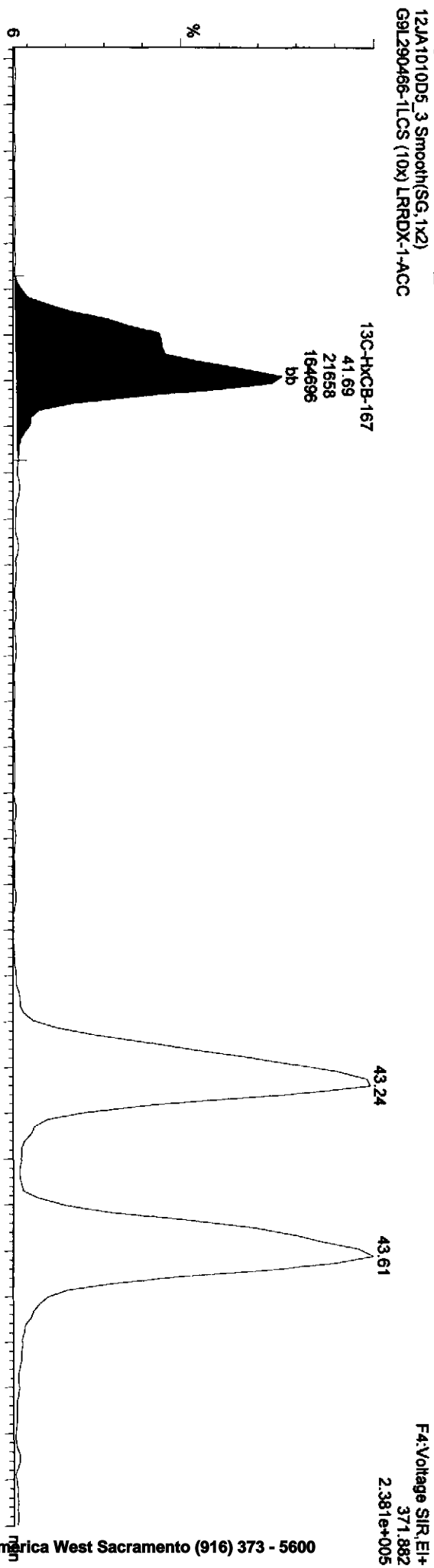


Dataset: C:\MassLynx\Default.pro\12JA1010D51668MSL.dld

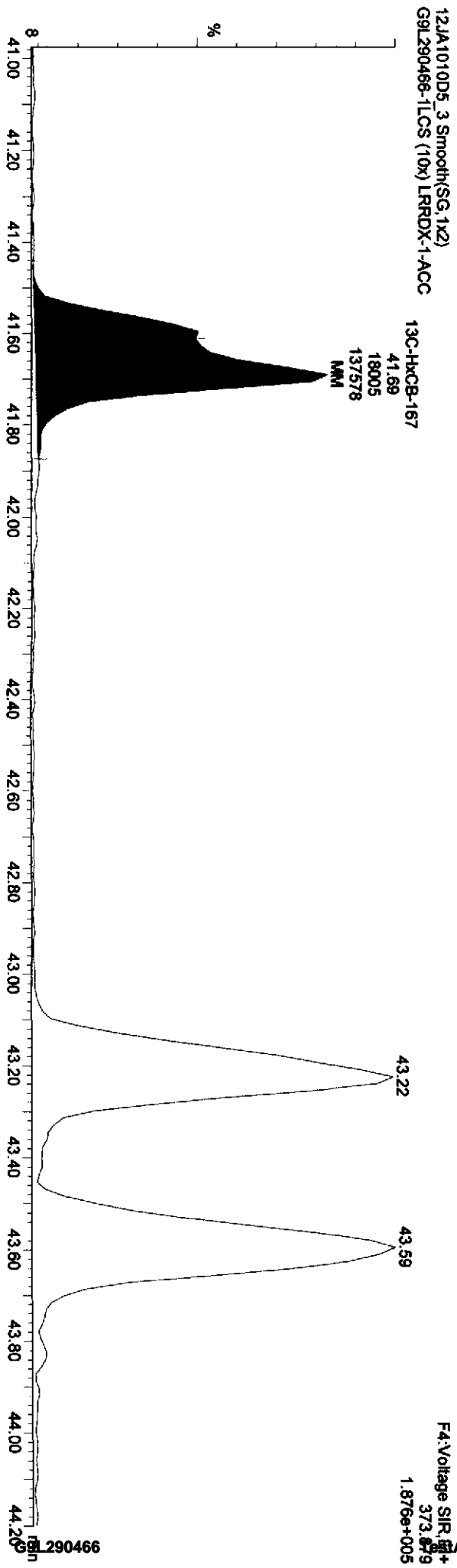
Last Altered: Wednesday, January 13, 2010 4:41:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:42:52 PM Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

Sample Name: 12JA1010D5\_3  
12JA1010D5\_3 Smooth(SG, 1x2)  
G9L290466-1LCS (10x) LRRDX-1-ACC



F4: Voltage SIR, EI+  
371,882  
2.381e+005



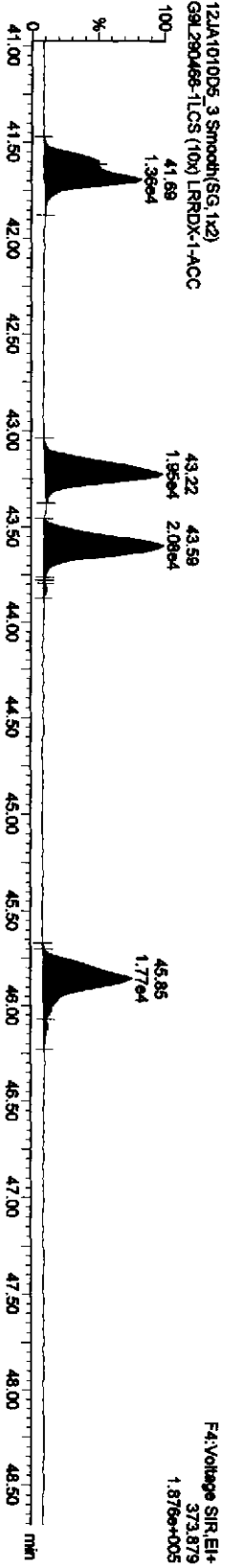
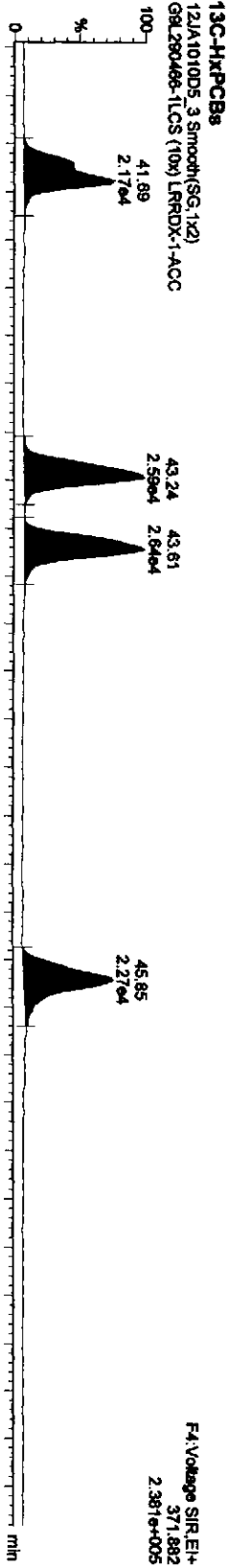
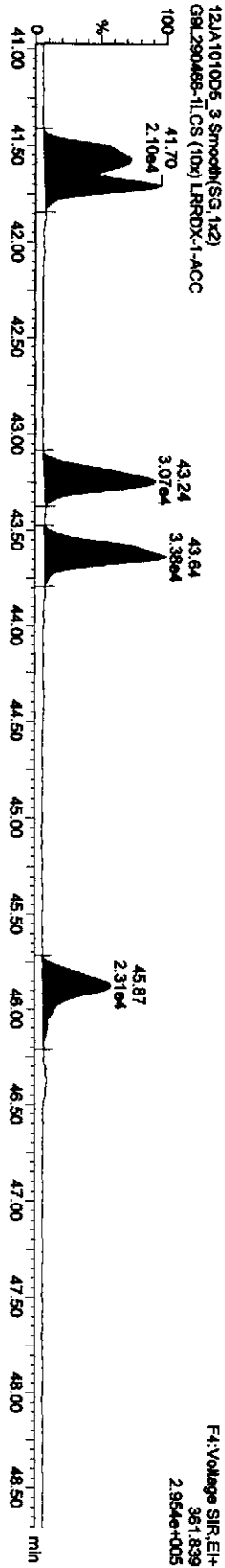
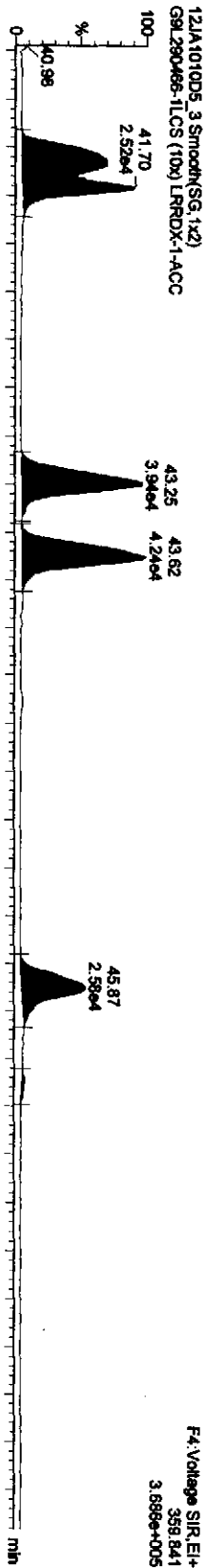
F4: Voltage SIR, EI+  
373,879  
1.876e+005

Dataset: C:\MassLynx\Default\pro12JA1010D51668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_3, Date: 12-Jan-2010, Time: 20:00:33, ID: LRRDX-1-ACC, Description: G9L290466-1LCS (10x)

HxPCBs-



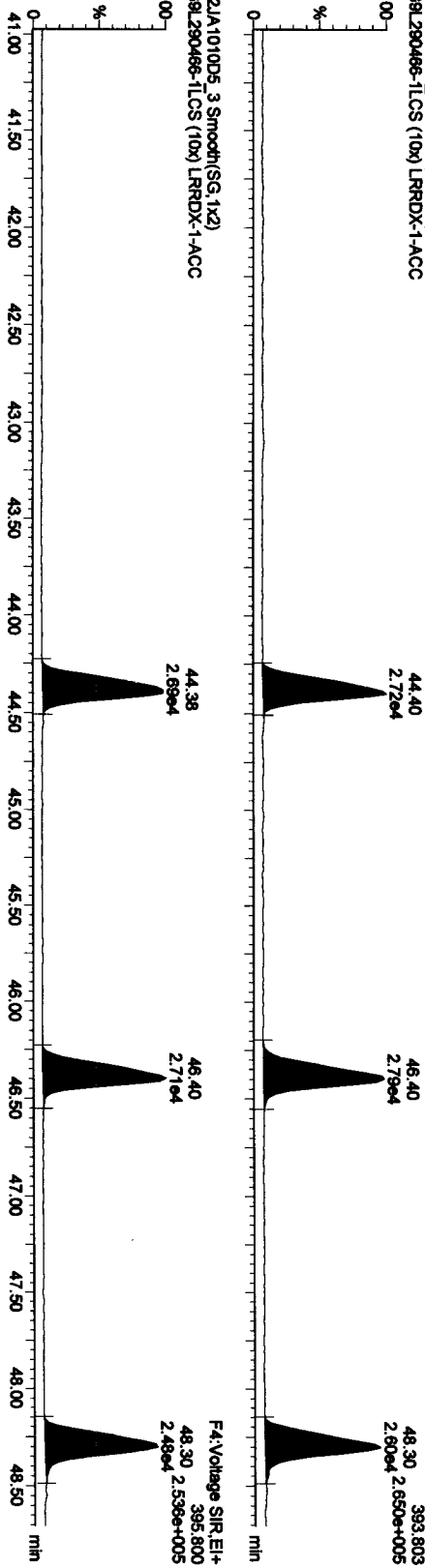
Dataset: C:\MassLynx\Default.pro\12JA1010D51668MSL.qld

Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_3, Date: 12-Jan-2010, Time: 20:00:33, ID: LRRDX-1-ACC, Description: G9L290466-1LCS (10x)

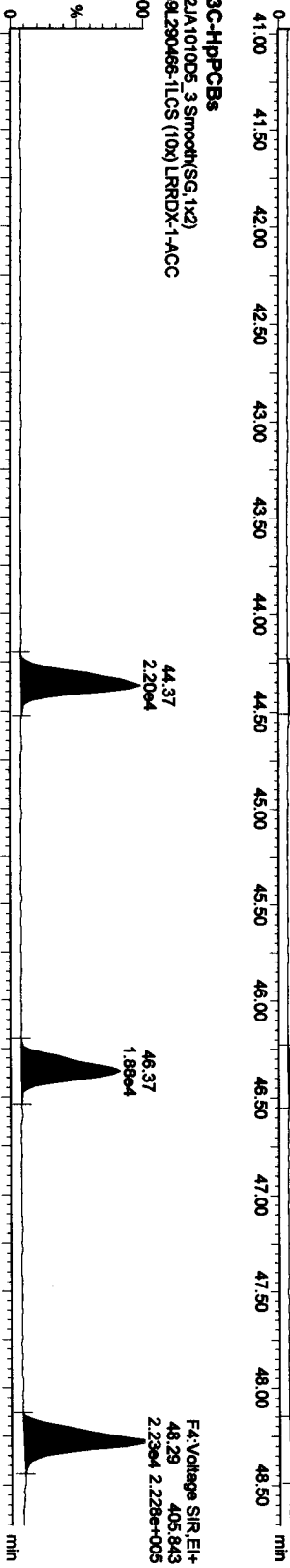
HPPCBs

12JA1010D5\_3 Smooth(SG, 1x2)  
G9L290466-1LCS (10x) LRRDX-1-ACC

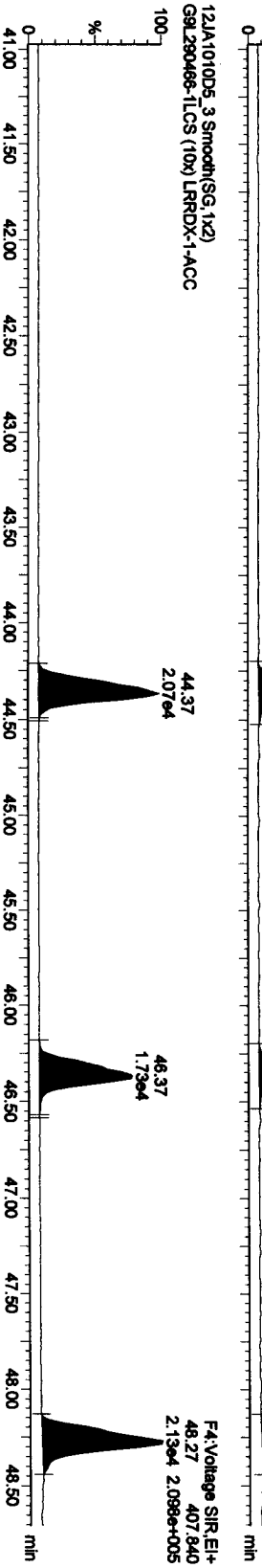


13C-HPPCBs

12JA1010D5\_3 Smooth(SG, 1x2)  
G9L290466-1LCS (10x) LRRDX-1-ACC



12JA1010D5\_3 Smooth(SG, 1x2)  
G9L290466-1LCS (10x) LRRDX-1-ACC

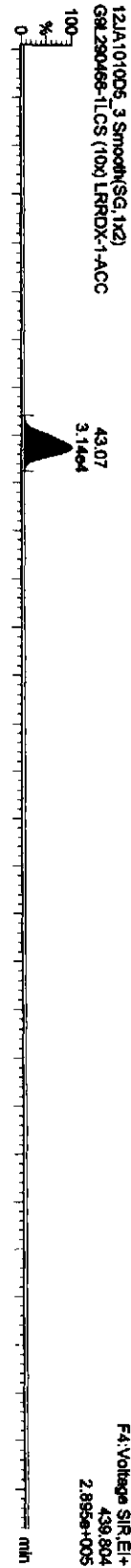


Dataset: C:\MassLynx\Default\pro\12JA1010D51668MSL.qld

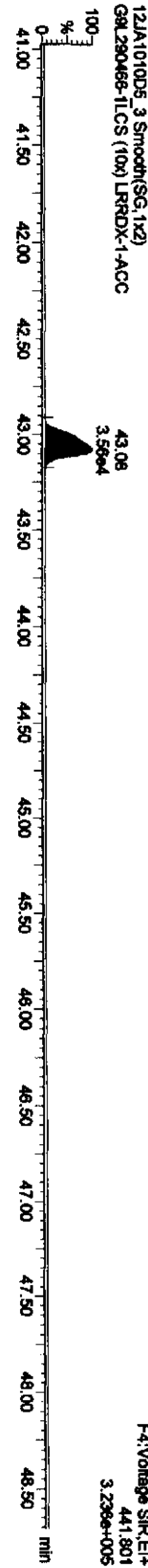
Last Altered: Wednesday, January 13, 2010 4:29:15 PM Pacific Standard Time  
Printed: Wednesday, January 13, 2010 4:31:17 PM Pacific Standard Time

Name: 12JA1010D5\_3, Date: 12-Jan-2010, Time: 20:00:33, ID: LRRDX-1-ACC, Description: G9L290466-TLCS (10x)

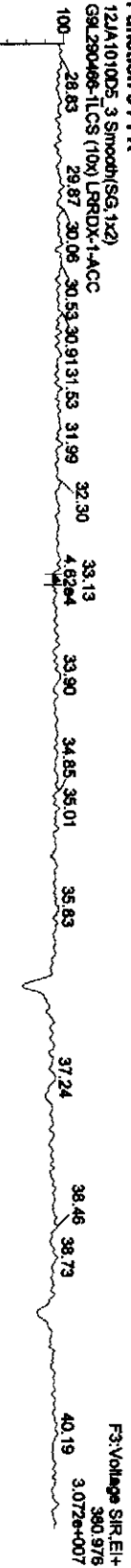
13C-OcCB-202



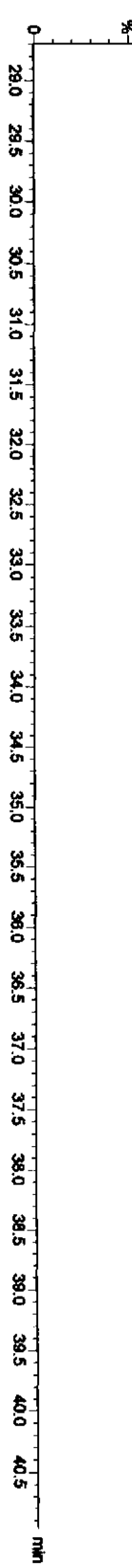
12JA1010D5\_3 Smooth(SG,1x2)  
G9L290466-TLCS (10x) LRRDX-1-ACC



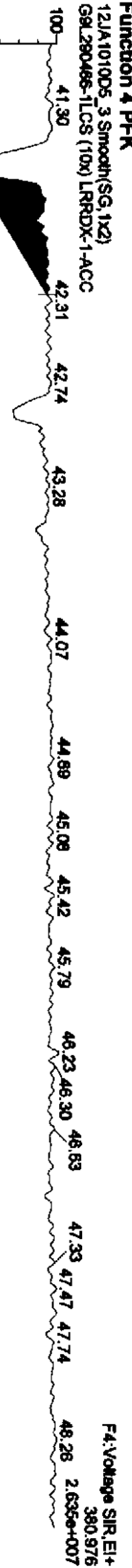
Function 3 PFK



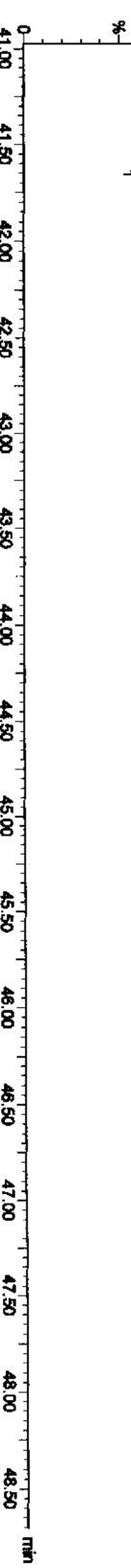
Function 4 PFK



12JA1010D5\_3 Smooth(SG,1x2)  
G9L290466-TLCS (10x) LRRDX-1-ACC



12JA1010D5\_3 Smooth(SG,1x2)  
G9L290466-TLCS (10x) LRRDX-1-ACC



Dataset: C:\Masslynx\Default\pro106JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:58:22 AM Pacific Standard Time

Name: 06JA1010D5\_16, Date: 07-Jan-2010, Time: 07:45:21, ID: LRN62-1-AA, Description: G9L290466-1, Task:

AK 1/25/10

1	13C-PeCB-101	335.924	0.500	31.93	31.75	1.000	475424.13	4000.0000	4000.0000	100.0	6.2429	0.636	0.610	NO
2														
3	13C-TeCB-81	301.963	0.500	33.82	33.82	1.040	485938.45	3931.8133	3931.8133	98.3	6.4149	0.811	0.770	NO
4	TeCB-81	289.922	0.500	33.82	33.82	1.456				98.1	4.6996		0.770	NO
5	13C-TeCB-77	301.963	0.500	34.50	34.51	1.104	514910.23	3923.0435	3923.0435	98.1	6.0405	0.813	0.770	NO
6	TeCB-77	289.922	0.500	34.53	34.50	1.271	40312.41	246.4656	246.4656		5.2658	0.779	0.770	NO
7														
8	13C-PeCB-123	335.924	0.500	36.14	36.19	0.993	457752.23	3877.5409	3877.5409	96.9	6.2854	0.629	0.610	NO
9	PeCB-123	323.883	0.500	36.19	36.14	1.505	17228.31	100.0056	100.0056	96.7	7.3866	0.616	0.610	NO
10	13C-PeCB-118	335.924	0.500	36.31	36.36	1.024	471027.19	3869.8508	3869.8508	96.7	6.0962	0.631	0.610	NO
11	PeCB-118/106	323.883	0.500	36.34	36.31	1.525	253571.09	1411.6993	1411.6993	98.0	7.0562	0.580	0.610	NO
12	13C-PeCB-114	335.924	0.500	37.10	37.14	1.037	434037.84	3521.8072	3521.8072	88.0	6.0207	0.635	0.610	NO
13	PeCB-114	323.883	0.500	37.10	37.10	1.586				98.0	7.3790		0.610	NO
14	13C-PeCB-105	335.924	0.500	38.15	38.22	0.982	378659.14	3248.4561	3248.4561	81.2	6.3605	0.644	0.610	NO
15	PeCB-105/127	323.883	0.500	38.17	38.15	1.433	72418.82	533.3262	533.3262	100.6	9.3358	0.624	0.610	NO
16	13C-PeCB-126	335.924	0.500	40.47	40.52	1.030	492515.03	4023.1503	4023.1503	100.6	6.0612	0.625	0.610	NO
17	PeCB-126	323.883	0.500	40.47	40.47	1.156				94.279	9.4279		0.610	NO
18														
19	13C-OcCB-202	439.804	0.500	43.22	43.16	1.000	510929.28	4000.0000	4000.0000	100.0	2.6919	0.892	0.890	NO
20														
21	13C-HxCB-167	371.882	0.500	41.83	41.76	1.002	463047.69	3616.2223	3616.2223	90.4	5.6127	1.292	1.240	NO
22	HxCB-167	359.841	0.500	41.84	41.83	1.348	11135.35	71.3610	57.2849	90.4	4.4166	0.800	1.240	YES
23	13C-HxCB-156	371.882	0.500	43.39	43.34	0.785	456127.44	4548.3942	4548.3942	113.7	7.1666	1.297	1.240	NO
24	HxCB-156	359.841	0.500	43.42	43.39	1.688	14286.78	74.2048	74.2048	104.7	3.5543	1.271	1.240	NO
25	13C-HxCB-157	371.882	0.500	43.78	43.73	0.835	446727.20	4187.1392	4187.1392	104.7	6.7363	1.269	1.240	NO
26	HxCB-157	359.841	0.500	43.80	43.78	1.660	3023.49	16.3121	13.8627	104.7	3.5567	1.636	1.240	YES
27	13C-HxCB-169	371.882	0.500	46.03	45.95	0.871	437637.19	3932.3922	3932.3922	98.3	6.4578	1.307	1.240	NO
28	HxCB-169	359.841	0.500	46.03	46.03	1.098				98.3	5.6557		1.240	NO
29														
30	13C-HpCB-180	405.843	0.500	44.56	44.52	0.684	309328.17	3540.3419	3540.3419	88.5	3.9493	1.072	1.050	NO
31	HpCB-180	393.803	0.500	44.59	44.56	1.300	93836.32	933.1484	933.1484	88.5	3.8171	1.052	1.050	NO
32	13C-HpCB-170	405.843	0.500	46.55	46.52	0.548	289020.02	4131.0360	4131.0360	103.3	4.9320	1.069	1.050	NO
33	HpCB-170	393.803	0.500	46.57	46.55	1.615	25300.53	216.8138	216.8138	103.3	3.3417	0.994	1.050	NO
34	13C-HpCB-189	405.843	0.500	48.46	48.41	0.698	343305.98	3852.3956	3852.3956	96.3	3.8720	1.065	1.050	NO
35	HpCB-189	393.803	0.500	48.46	48.46	1.231				96.3	3.2302		1.050	NO

Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:58:22 AM Pacific Standard Time

Name: 06JA1010D5\_16, Date: 07-Jan-2010, Time: 07:45:21, ID: LRN62-1-AA, Description: G9L290466-1, Task:

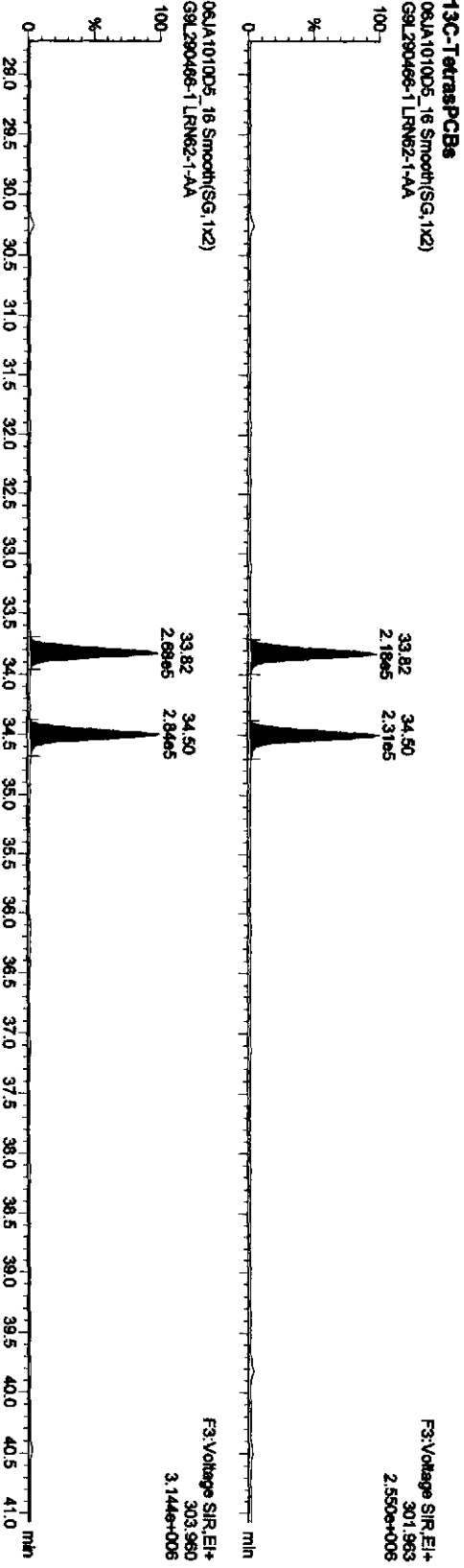
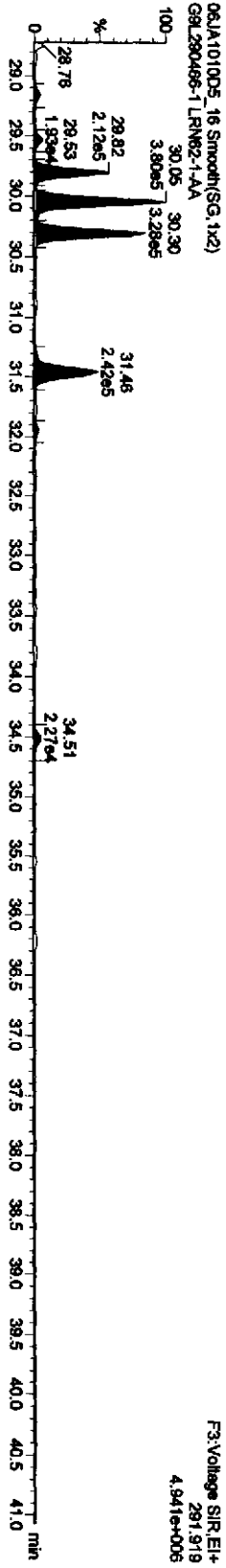
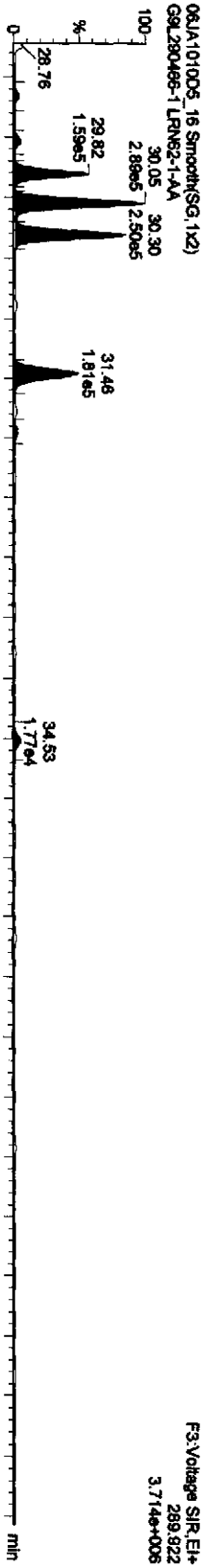
36																					
37	13C-PeCB-111	335.924	0.500	33.67	33.51	1.305	469499.75	3221.0586	80.5	5.8004	0.626	0.610								NO	
38																					
39	Function 3 PFK	380.976	1.000																		
40	Function 4 PFK	380.976	1.000																		

Dataset: C:\Masslynx\Default.pro\06JA1010D51669MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_16, Date: 07-Jan-2010, Time: 07:45:21, ID: LRN62-1-AA, Description: G9L290466-1

TetraPCBs



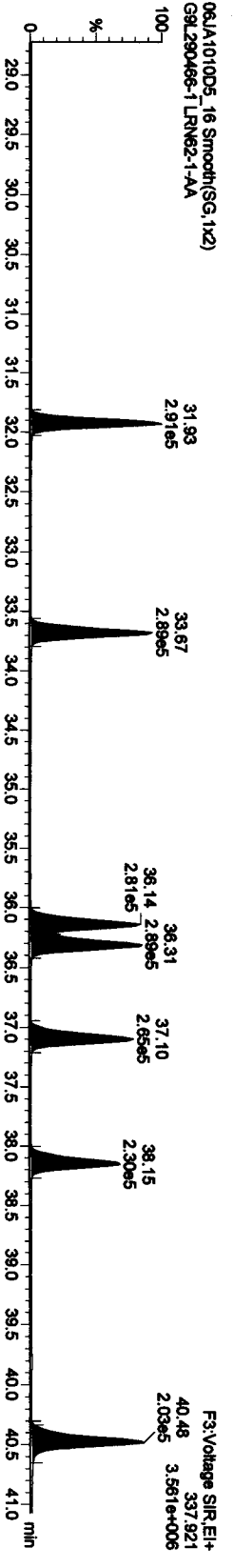
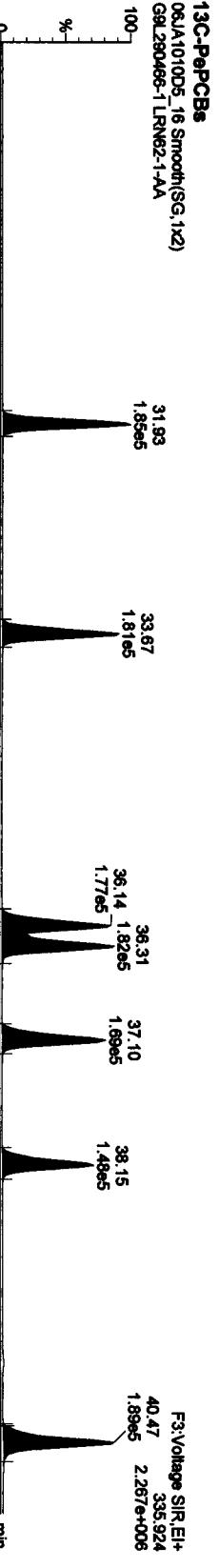
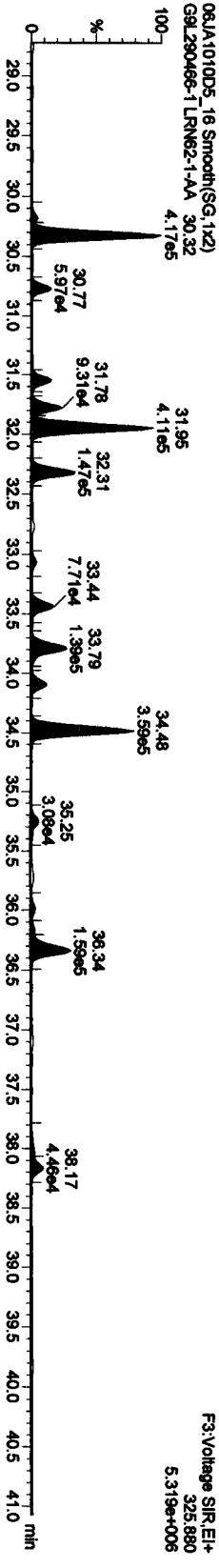
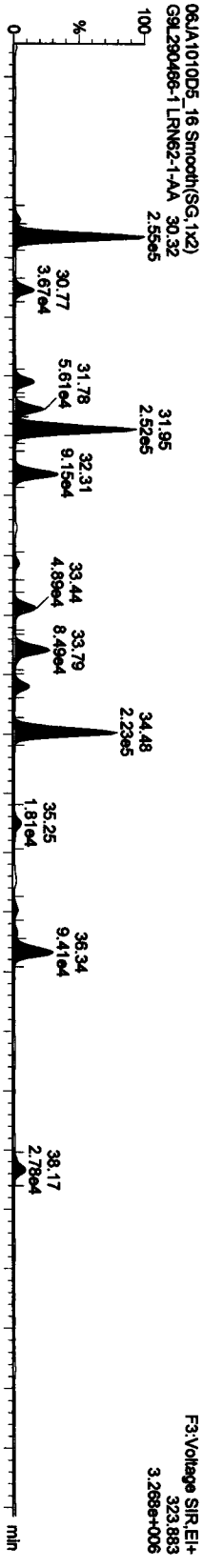


Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_16, Date: 07-Jan-2010, Time: 07:45:21, ID: LRN62-1-AA, Description: G9L290466-1

PePCBs

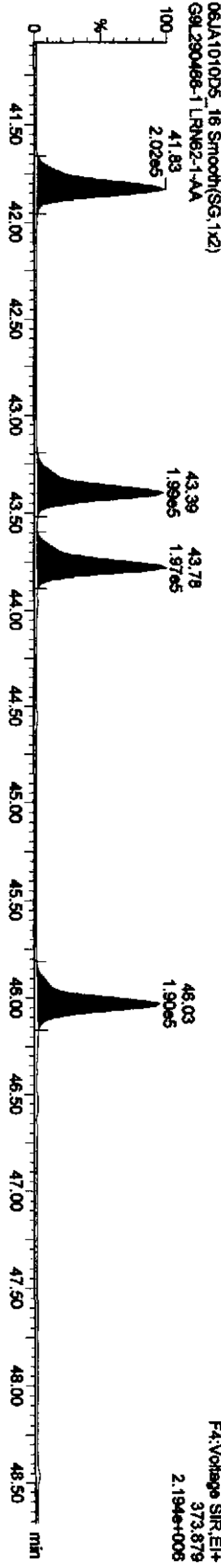
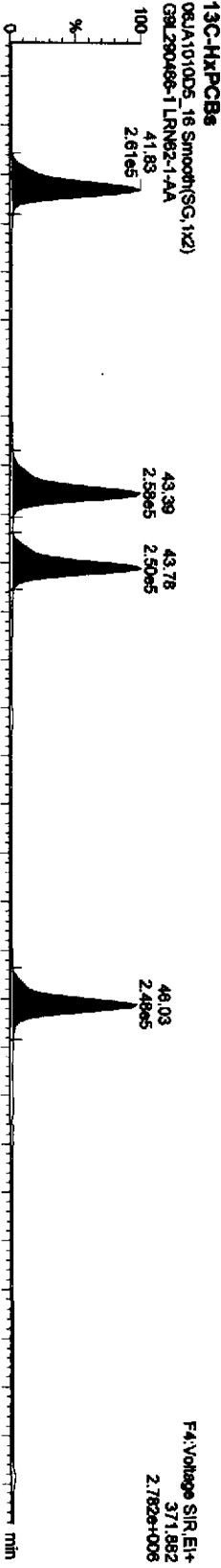
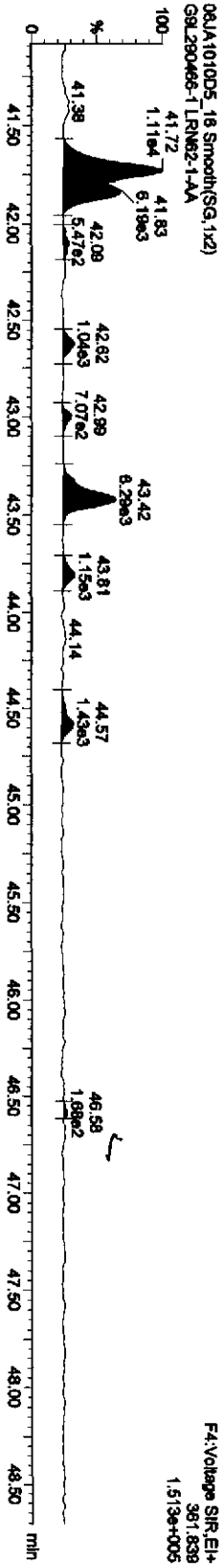
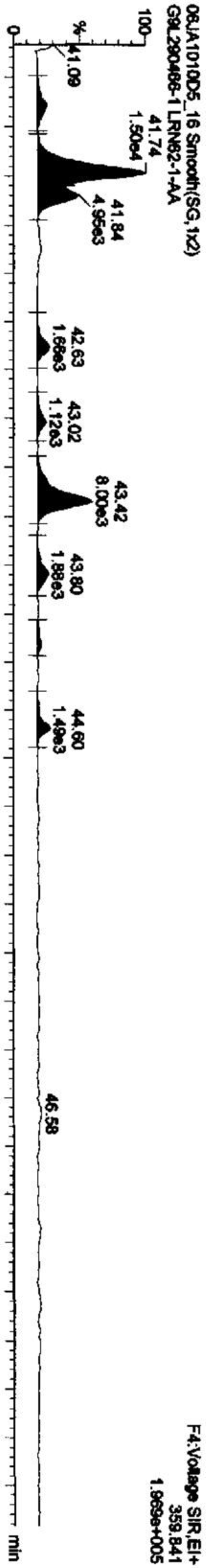


Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_16, Date: 07-Jan-2010, Time: 07:45:21, ID: LRN62-1-AA, Description: G9L290466-1

HP-PCBs-

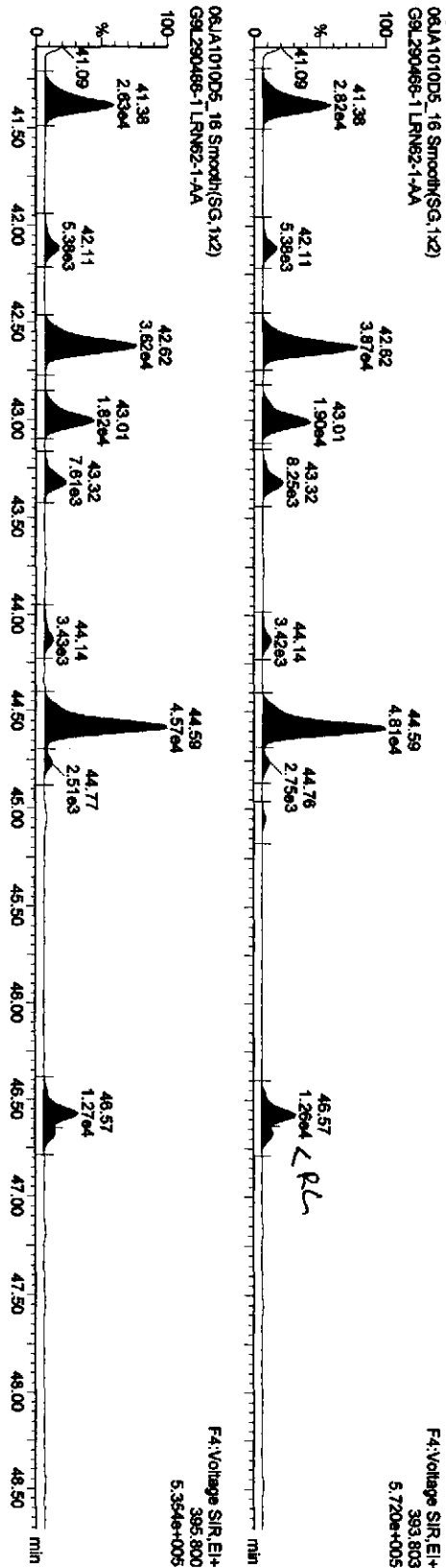


Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qid

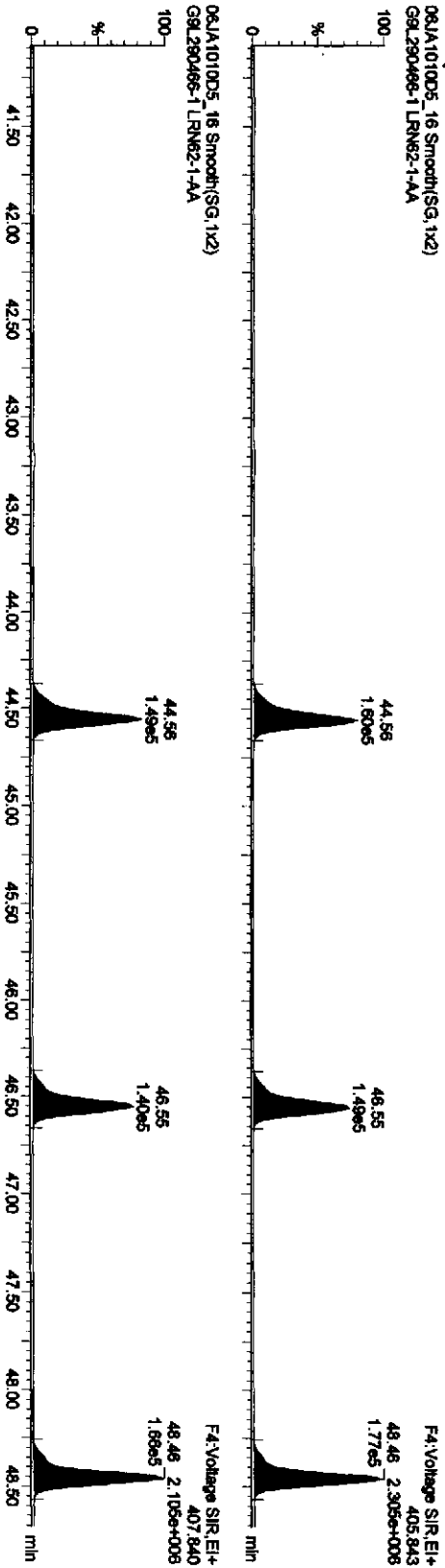
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_16, Date: 07-Jan-2010, Time: 07:45:21, ID: LRN62-1-AA, Description: G9L290466-1

**HPPCBs**



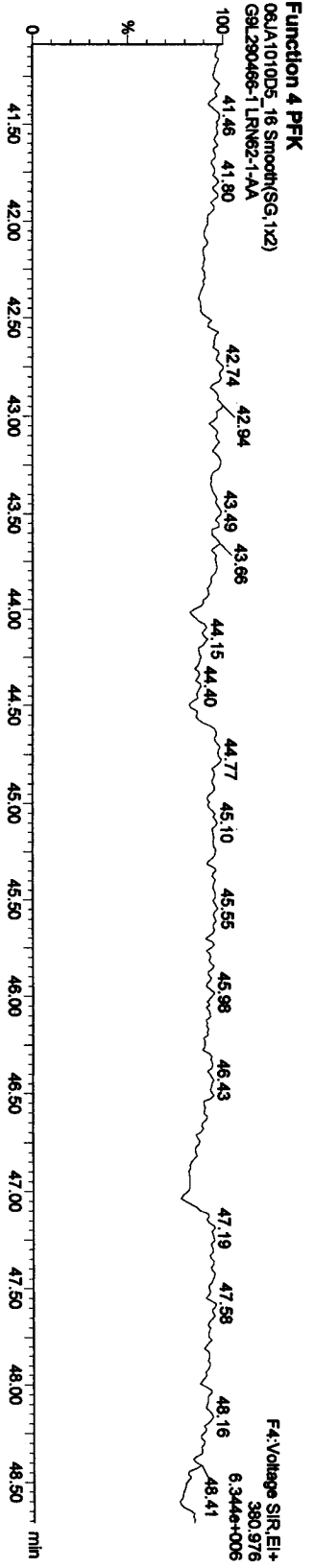
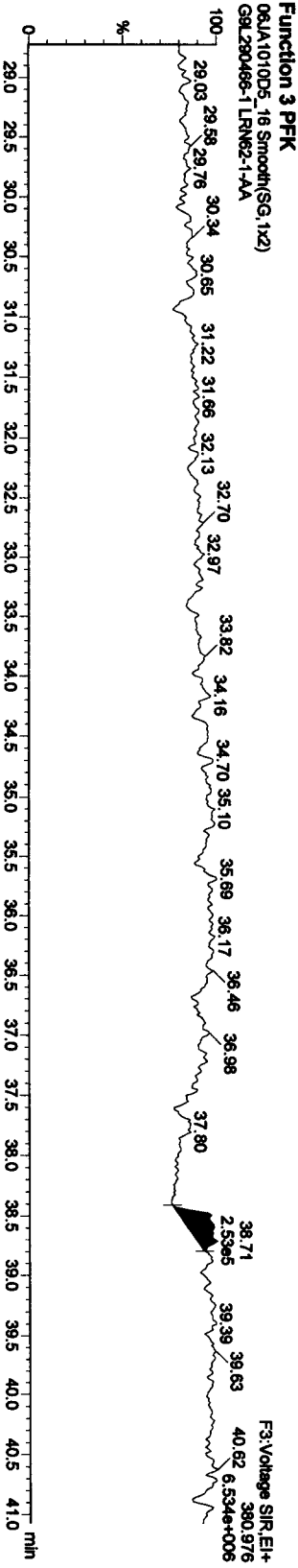
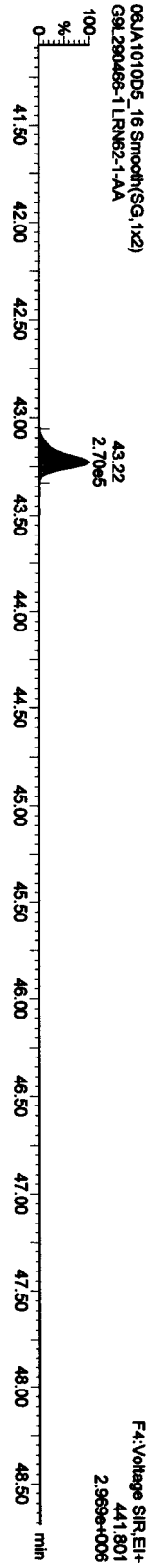
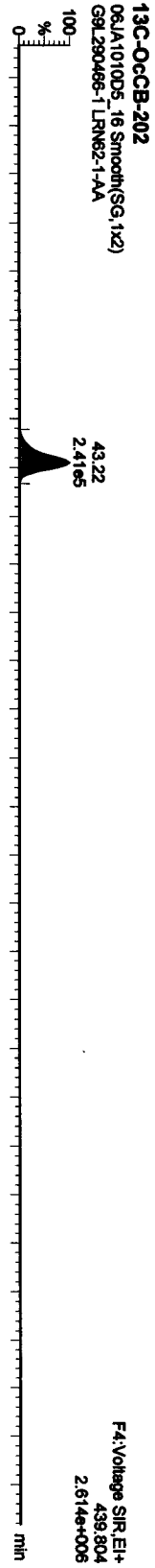
**13C-HPPCBs**



Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_16, Date: 07-Jan-2010, Time: 07:45:21, ID: LRN62-1-AA, Description: G9L290466-1



Dataset: X:\ATG\10D5\06JA1010D5\1668MSL.qld

Last Altered: Monday, January 25, 2010 11:42:18 Pacific Standard Time  
 Printed: Monday, January 25, 2010 11:43:58 Pacific Standard Time

Method: C:\MassLynx\Default\pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
 Calibration: C:\MassLynx\Default\pro\Curvedb\CA0716200910D5\1668MSL.cdb 21 Jul 2009 12:15:46

Name: 06JA1010D5\_17, Date: 07-Jan-2010, Time: 08:42:10, ID: LRN69-1-AA, Description: G9L290466-2, Task:

AK 1/25/10

# Name	Trace	Sample Size	RT	Prd RT	RRF-M	Abs Resp	Pg	EMPC	%Rec	EDI	Mod Date	Ratio	Ratio
1 13C-PeCB-101	335.924	0.500	31.94	31.75	1.000	439138.78	4000.0000	4000.0000	100.0	6.9244		0.642	NO
2													
3 13C-TeCB-81	301.963	0.500	33.82	33.83	1.040	547886.91	4799.3449	4799.3449	120.0	9.4909		0.788	NO
4 TeCB-81	289.922	0.500	33.82	33.82	1.458					6.0629			NO
5 13C-TeCB-77	301.963	0.500	34.49	34.53	1.104	601105.09	4958.1702	4858.1702	124.0	8.9369		0.799	NO
6 TeCB-77	289.922	0.500	34.51	34.49	1.271	174177.94	912.2037	912.2037		6.1259		0.771	NO
7													
8 13C-PeCB-123	335.924	0.500	36.14	36.20	0.993	545724.14	5004.7052	5004.7052	125.1	6.9716		0.627	NO
9 PeCB-123	323.883	0.500	36.17	36.14	1.505	73634.67	358.5264	358.5264		3.3921		0.592	NO
10 13C-PeCB-118	335.924	0.500	36.31	36.38	1.024	569987.73	5069.8275	5069.8275	126.7	6.7617		0.641	NO
11 PeCB-118/106	323.883	0.500	36.32	36.31	1.525	1140120.13	5245.3387	5245.3387		3.4123		0.611	NO
12 13C-PeCB-114	335.924	0.500	37.10	37.15	1.037	544392.81	4782.2226	4782.2226	119.6	6.6779		0.636	NO
13 PeCB-114	323.883	0.500	37.13	37.10	1.586	35951.55	166.5532	166.5532		2.9872	25-Jan-10	0.627	NO
14 13C PeCB-105	335.924	0.500	38.12	38.24	0.982	565980.70	5252.4952	5252.4952	131.3	7.0549		0.628	NO
15 PeCB-105/127	323.883	0.500	38.15	38.12	1.433	477657.80	2355.3157	2355.3157		3.4273		0.609	NO
16 13C-PeCB-126	335.924	0.500	40.43	40.53	1.030	620906.80	5491.0147	5491.0147	137.3	6.7228		0.632	NO
17 PeCB-126	323.883	0.500	40.43	40.43	1.156					4.3038			NO
18													
19 13C-OcCB-202	439.804	0.500	43.18	43.16	1.000	528166.11	4000.0000	4000.0000	100.0	4.1148		0.918	NO
20													
21 13C-HxCB-167	371.882	0.500	41.77	41.72	1.002	592900.64	4479.2116	4479.2116	112.0	4.8144		1.279	NO
22 HxCB-167	359.841	0.500	41.80	41.77	1.348	33279.25	166.5613	166.5613		3.6406		1.120	NO
23 13C-HxCB-156	371.882	0.500	43.33	43.30	0.785	582984.33	5623.6599	5623.6599	140.6	6.1473		1.290	NO
24 HxCB-156	359.841	0.500	43.36	43.33	1.688	61419.59	249.5939	249.5939		2.9629		1.330	NO
25 13C-HxCB-157	371.882	0.500	43.72	43.69	0.835	576862.31	5230.4304	5230.4304	130.8	5.7781		1.254	NO
26 HxCB-157	359.841	0.500	43.73	43.72	1.680	10493.10	43.8404	43.8404		3.0925		1.299	NO
27 13C-HxCB-169	371.882	0.500	45.95	45.91	0.871	595935.00	5180.0239	5180.0239	129.5	5.5393		1.272	NO
28 HxCB-169	359.841	0.500	45.95	45.95	1.098					4.5408			NO
29													
30 13C-HpCB-180	405.843	0.500	44.49	44.48	0.684	443069.11	4905.5473	4905.5473	122.6	5.5308		1.041	NO
31 HpCB-180	393.803	0.500	44.51	44.49	1.300	453818.17	3150.7189	3150.7189		3.6175		1.044	NO

Dataset: X:\ATG\10D5\06JA1010D5\1668MSL.qld

Last Altered: Monday, January 25, 2010 11:42:18 Pacific Standard Time  
 Printed: Monday, January 25, 2010 11:43:58 Pacific Standard Time

Name: 06JA1010D5\_17, Date: 07-Jan-2010, Time: 08:42:10, ID: LRN68-1-AA, Description: G9L290466-2, Task:

# Name	Trace	Sample Size	RT	Pid RT	RRF M.	Abx Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio
32 13C-HPCB-170	405.843	0.500	46.49	46.48	0.548	396859.61	5487.2939	5487.2939	137.2	6.9071		1.066	NO
33 HPCB-170	393.803	0.500	46.51	46.49	1.615	168822.01	1053.6038	V1053.6038		3.3262	25-Jan-10	1.104	NO
34 13C-HPCB-189	405.843	0.500	48.38	48.37	0.698	526722.20	5717.7003	5717.7003	142.9	5.4227		1.067	NO
35 HPCB-189	393.803	0.500			1.231					2.8273			NO
36													
37 13C-PaCB-111	335.924	0.500	33.69	33.51	1.305	578888.20	3116.8184		77.9	4.5006		0.636	NO
38													
39 Function 3 PFK	380.976	1.000			0.00								
40 Function 4 PFK	380.976	1.000			0.00								

Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

13 23

6

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:58:22 AM Pacific Standard Time

Name: 06JA1010D5\_17, Date: 07-Jan-2010, Time: 08:42:10, ID: LRN68-1-AA, Description: G9L290466-2, Task:

1	13C-PeCB-101	335.924	0.500	31.95	31.75	1.000	439138.78	4000.0000	4000.0000	100.0	6.9244	0.642	0.610	NO
2														
3	13C-TeCB-81	301.963	0.500	33.82	33.84	1.040	547886.91	4799.3449	4799.3449	120.0	9.4909	0.788	0.770	NO
4	TeCB-81	289.922	0.500		33.82	1.458					6.0629		0.770	NO
5	13C-TeCB-77	301.963	0.500	34.49	34.53	1.104	601105.09	4958.1702	4958.1702	124.0	8.9369	0.799	0.770	NO
6	TeCB-77	289.922	0.500	34.51	34.49	1.271	174177.94	912.2037	912.2037		6.1259	0.771	0.770	NO
7														
8	13C-PeCB-123	335.924	0.500	36.14	36.21	0.993	545724.14	5004.7052	5004.7052	125.1	6.9716	0.627	0.610	NO
9	PeCB-123	323.883	0.500	36.17	36.14	1.505	73634.67	358.5264	358.5264		3.3921	0.592	0.610	NO
10	13C-PeCB-118	335.924	0.500	36.31	36.38	1.024	568987.73	5069.8275	5069.8275	126.7	6.7617	0.641	0.610	NO
11	PeCB-118/106	323.883	0.500	36.32	36.31	1.525	1140120.13	5245.3387	5245.3387		3.4123	0.611	0.610	NO
12	13C-PeCB-114	335.924	0.500	37.10	37.16	1.037	544392.81	4782.2226	4782.2226	119.6	6.6779	0.636	0.610	NO
13	PeCB-114	323.883	0.500		37.10	1.586					2.9872		0.610	NO
14	13C PeCB-105	335.924	0.500	38.12	38.24	0.982	565980.70	5252.4952	5252.4952	131.3	7.0549	0.628	0.610	NO
15	PeCB-105/127	323.883	0.500	38.15	38.12	1.433	477657.80	2355.3157	2355.3157		3.4273	0.609	0.610	NO
16	13C-PeCB-126	335.924	0.500	40.43	40.54	1.030	620906.80	5491.0147	5491.0147	137.3	6.7228	0.632	0.610	NO
17	PeCB-126	323.883	0.500		40.43	1.156					4.3038		0.610	NO
18														
19	13C-OcCB-202	439.804	0.500	43.18	43.16	1.000	528166.11	4000.0000	4000.0000	100.0	4.1148	0.918	0.890	NO
20														
21	13C-HxCB-167	371.882	0.500	41.77	41.72	1.002	592900.64	4479.2116	4479.2116	112.0	4.8144	1.279	1.240	NO
22	HxCB-167	359.841	0.500	41.80	41.77	1.348	33279.25	166.5613	166.5613		3.6406	1.120	1.240	NO
23	13C-HxCB-156	371.882	0.500	43.33	43.30	0.785	562984.33	5623.6599	5623.6599	140.6	6.1473	1.290	1.240	NO
24	HxCB-156	359.841	0.500	43.36	43.33	1.688	61419.59	249.5939	249.5939		2.9629	1.330	1.240	NO
25	13C-HxCB-157	371.882	0.500	43.72	43.69	0.835	576862.31	5230.4304	5230.4304	130.8	5.7781	1.254	1.240	NO
26	HxCB-157	359.841	0.500	43.73	43.72	1.660	10493.10	43.8404	43.8404		3.0825	1.289	1.240	NO
27	13C-HxCB-169	371.882	0.500	45.95	45.91	0.871	595935.00	5180.0239	5180.0239	129.5	5.5393	1.272	1.240	NO
28	HxCB-169	359.841	0.500		45.95	1.098					4.5408		1.240	NO
29														
30	13C-HpCB-180	405.843	0.500	44.49	44.48	0.684	443069.11	4905.5473	4905.5473	122.6	5.5308	1.041	1.050	NO
31	HpCB-180	393.803	0.500	44.51	44.49	1.300	453818.17	3150.7189	3150.7189		3.6175	1.044	1.050	NO
32	13C-HpCB-170	405.843	0.500	46.49	46.48	0.546	396859.61	5487.2939	5487.2939	137.2	6.9071	1.066	1.050	NO
33	HpCB-170	393.803	0.500	46.51	46.49	1.615	131015.19	817.6547	817.6547		3.3262	1.123	1.050	NO
34	13C-HpCB-189	405.843	0.500	48.38	48.37	0.698	526722.20	5717.7003	5717.7003	142.9	5.4227	1.067	1.050	NO
35	HpCB-189	393.803	0.500		48.38	1.231					2.8273		1.050	NO

Dataset: C:\MassLynx\Default\prot06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time

Printed: Friday, January 08, 2010 10:58:22 AM Pacific Standard Time

Name: 06JA1010D5\_17, Date: 07-Jan-2010, Time: 08:42:10, ID: LRN68-1-AA, Description: G9L290466-2, Task:

36																		
37	13C-PeCB-111	335.924	0.500	33.69	33.51	1.305	578888.20	3116.8184	77.9	4.5006	0.636	0.610	NO					
38																		
39	Function 3 PFK	380.976	1.000															
40	Function 4 PFK	380.976	1.000															

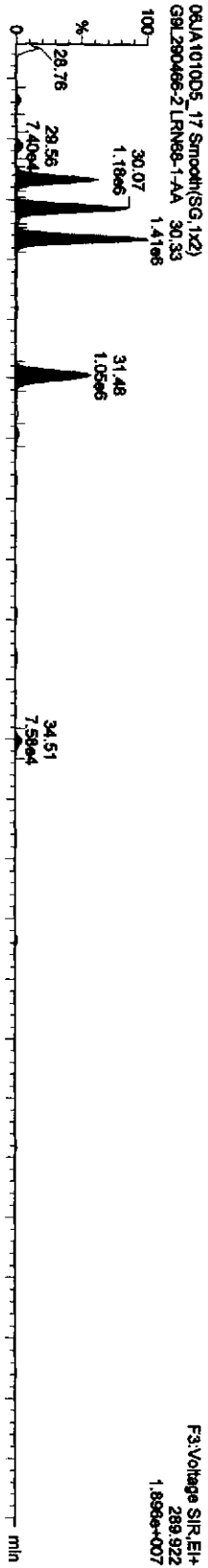


Dataset: C:\MassLynx\Default\pro06JA1010D51668MSL.qid

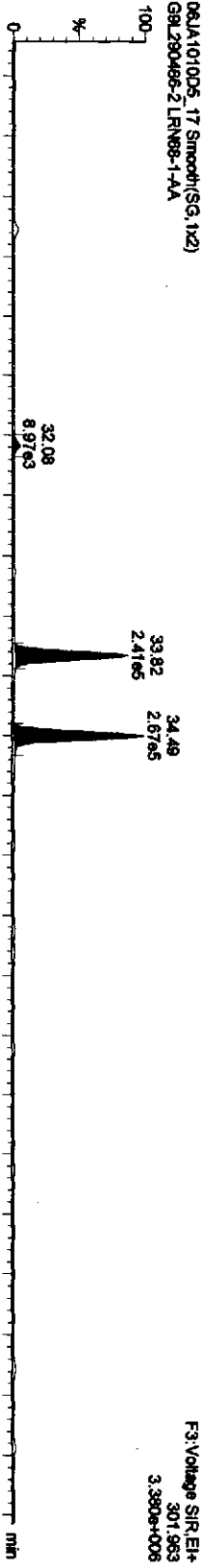
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_17, Date: 07-Jan-2010, Time: 08:42:10, ID: LRN68-1-AA, Description: G9L290466-2

TetraPCBs



13C-TetraPCBs

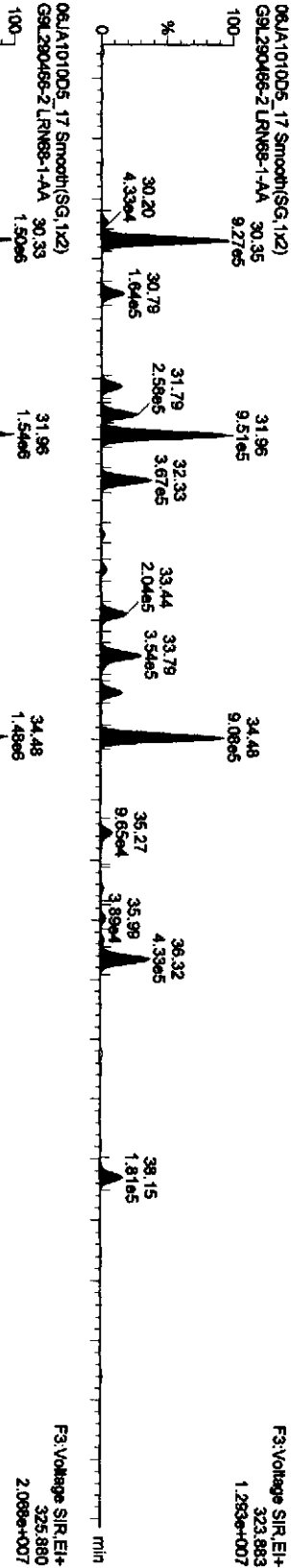


Dataset: C:\MassLynx\Default\pro\06JA1010D51668MSL.qld

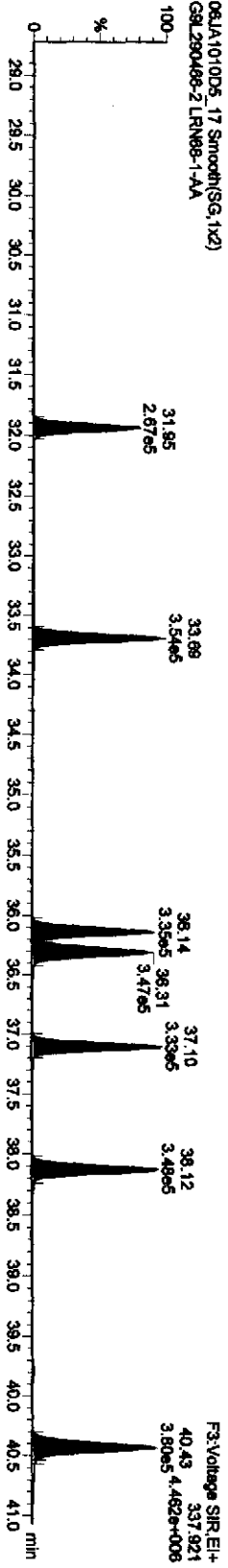
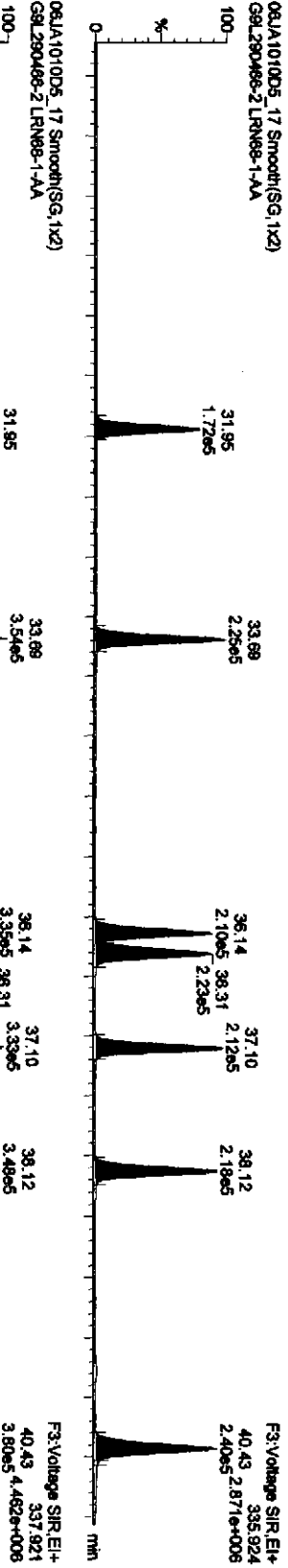
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_17, Date: 07-Jan-2010, Time: 08:42:10, ID: LRN68-1-AA, Description: G9L290466-2

PePCBs



13C-PePCBs



Dataset: X:\ATG\10D5\06JA1010D51668MSL.qld

Last Altered: Monday, January 25, 2010 11:42:18 Pacific Standard Time  
Printed: Monday, January 25, 2010 11:43:42 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

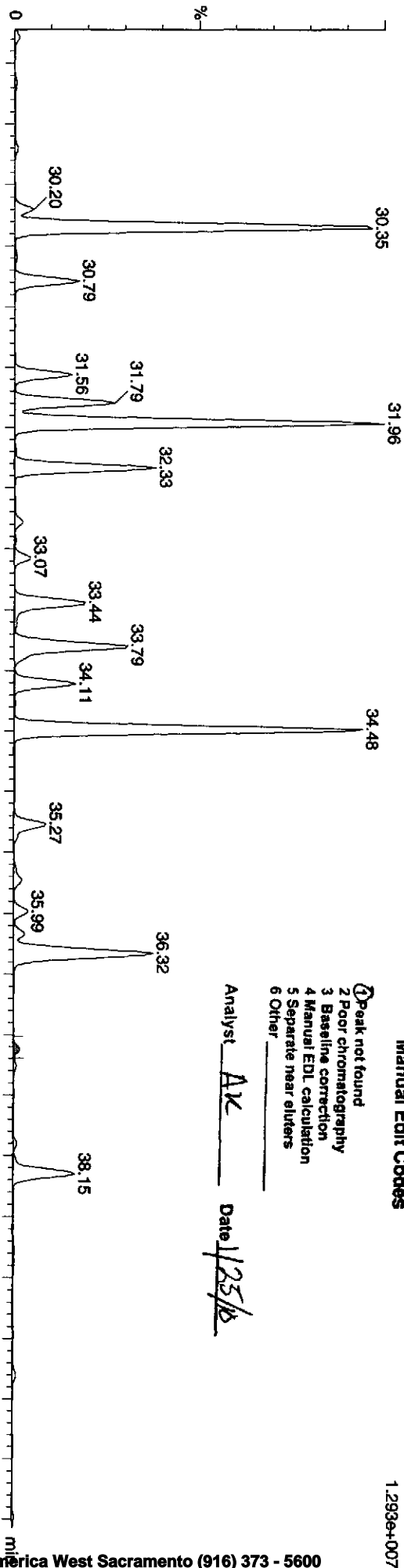
Sample Name: 06JA1010D5\_17

06JA1010D5\_17 Smooth(SG,1x2)  
G9L290466-2 LRN68-1-AA

Manual Edit Codes

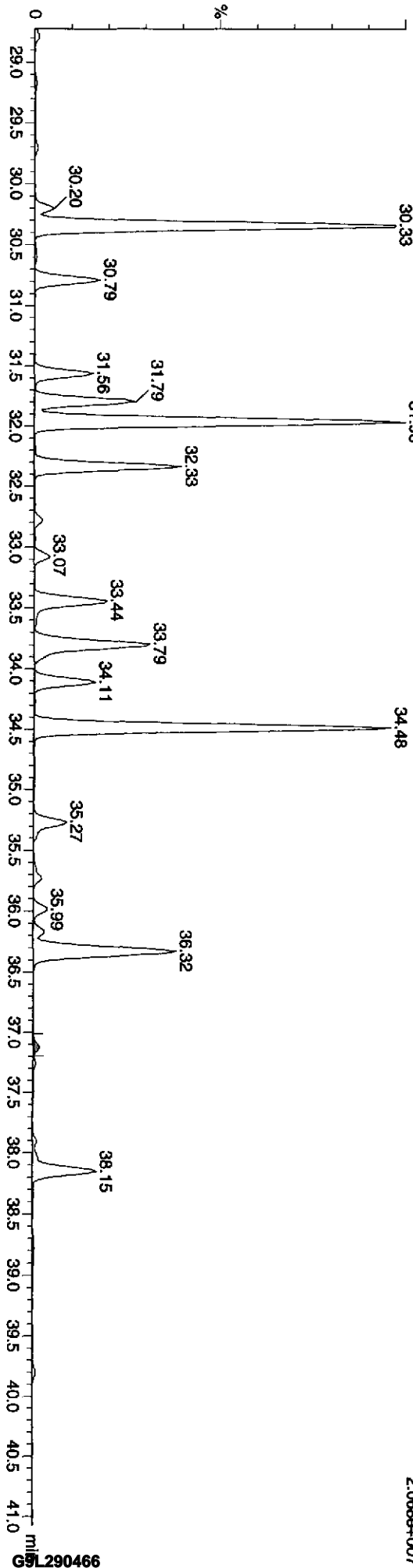
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK Date 1/25/10



06JA1010D5\_17 Smooth(SG,1x2)  
G9L290466-2 LRN68-1-AA

F3: Voltage SIR, EI+  
323,883  
1.293e+007



Dataset: C:\MassLynx\Default\prot06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_17, Date: 07-Jan-2010, Time: 08:42:10, ID: LRN68-1-AA, Description: G9L290466-2



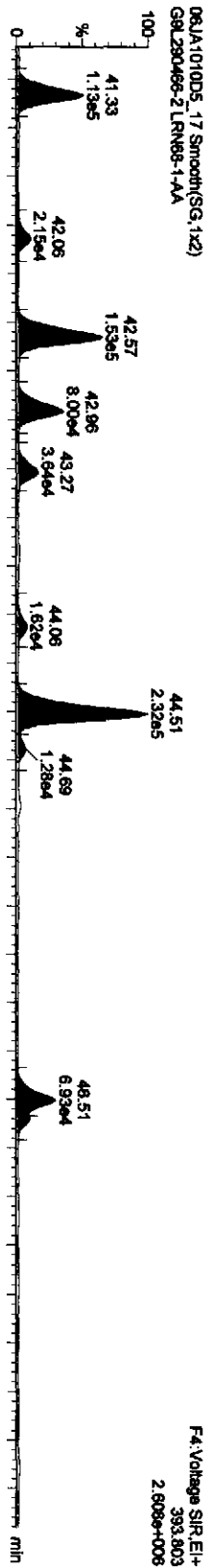
Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

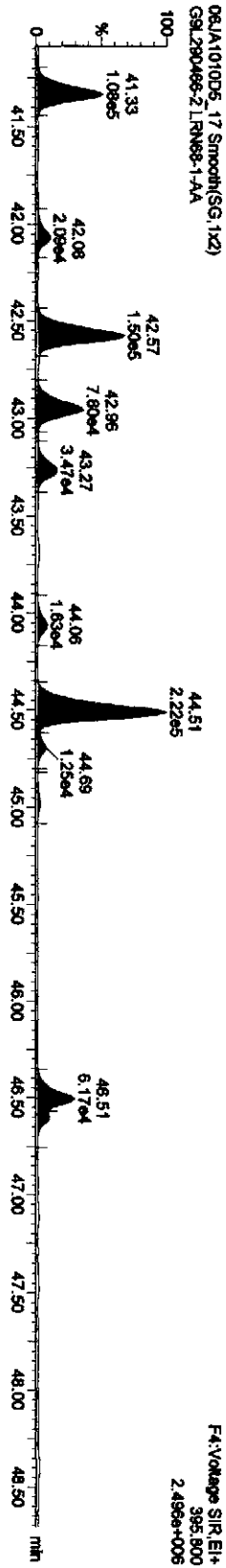
Name: 06JA1010D5\_17, Date: 07-Jan-2010, Time: 08:42:10, ID: LRN68-1-AA, Description: G9L290466-2

HPCBs

06JA1010D5\_17 Smooth(SG,1x2)  
G9L290466-2.LRN68-1-AA

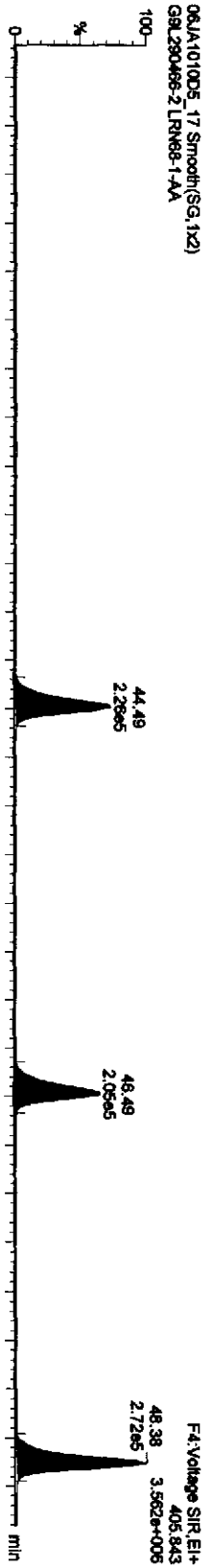


06JA1010D5\_17 Smooth(SG,1x2)  
G9L290466-2.LRN68-1-AA

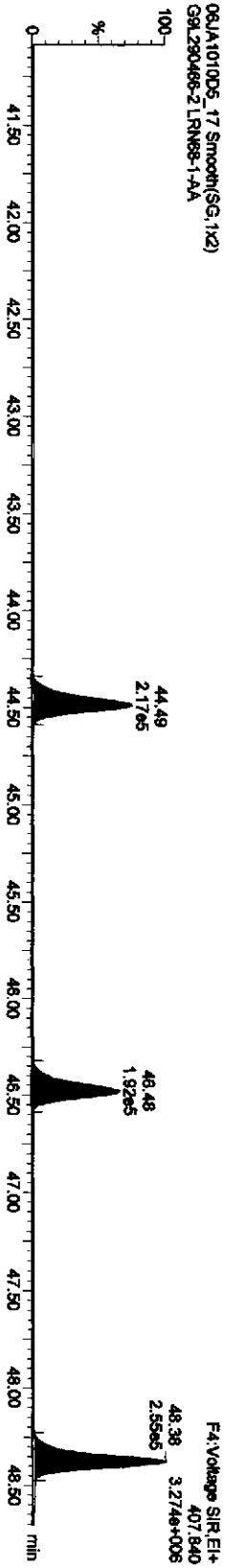


13C-HPCBs

06JA1010D5\_17 Smooth(SG,1x2)  
G9L290466-2.LRN68-1-AA



06JA1010D5\_17 Smooth(SG,1x2)  
G9L290466-2.LRN68-1-AA



Dataset: X:\ATG\10D5\06JA1010D51668MSL.qld

Last Altered: Monday, January 25, 2010 11:42:18 Pacific Standard Time  
Printed: Monday, January 25, 2010 11:43:42 Pacific Standard Time

Sample Name: 06JA1010D5\_17

06JA1010D5\_17 Smooth(SG,1x2)  
G9L290466-2 LRM68-1-AA

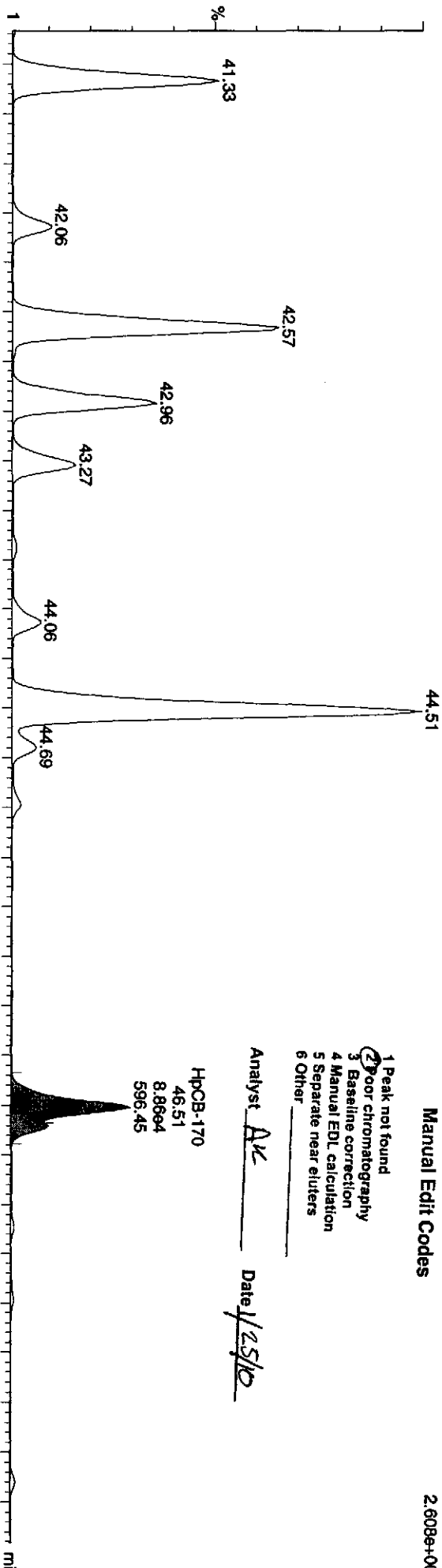
Manual Edit Codes

F4:Voltage SIR,EI+ 393.803  
2.609e+006

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK

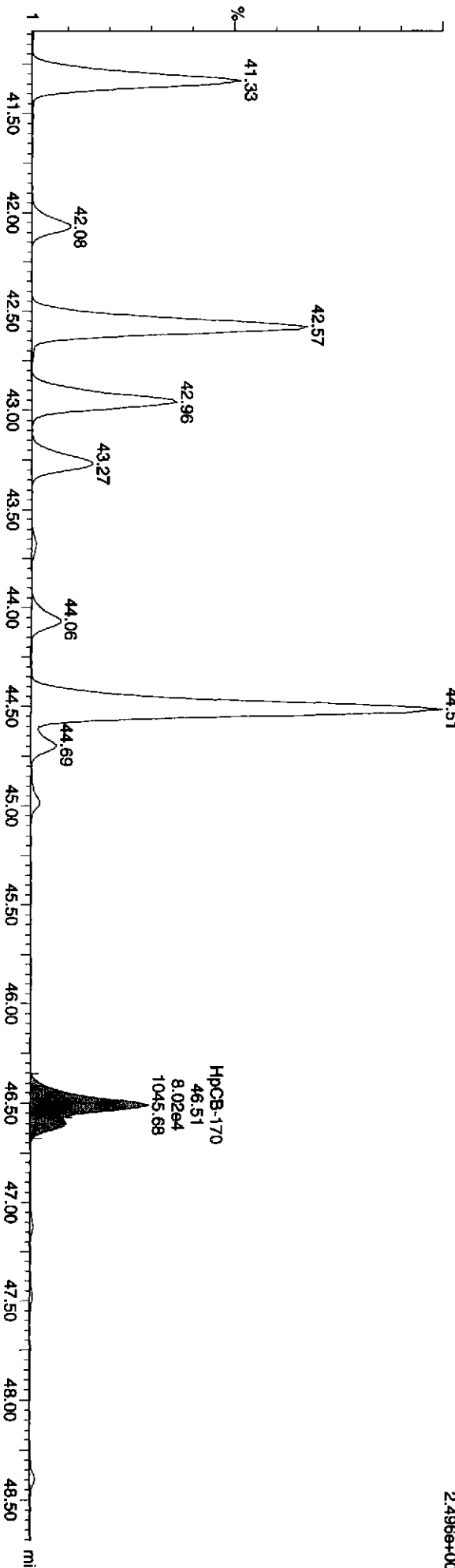
Date 1/25/10



HPCB-170  
46.51  
8.8694  
596.45

06JA1010D5\_17 Smooth(SG,1x2)  
G9L290466-2 LRM68-1-AA

F4:Voltage SIR,EI+ 395.803  
2.496e+006

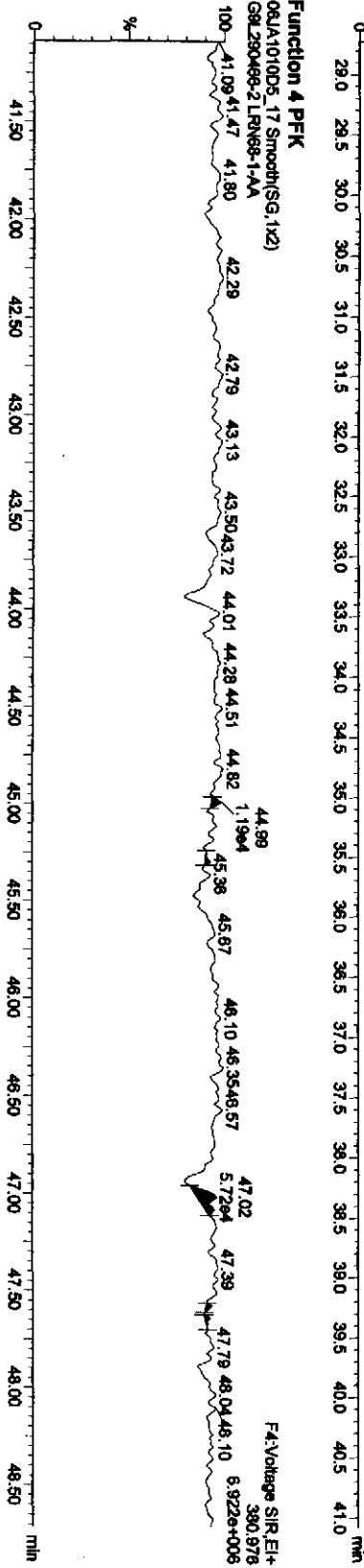
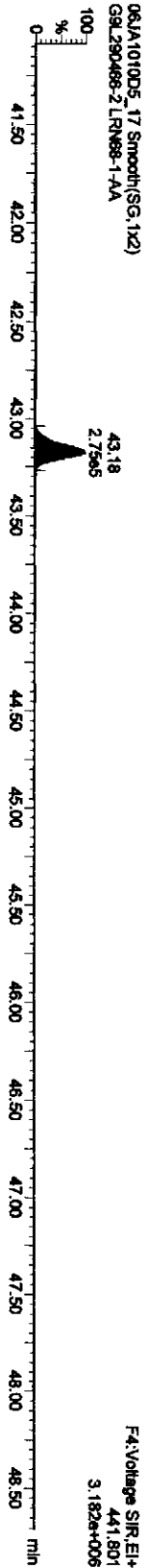


HPCB-170  
46.51  
8.02e4  
1045.68

Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qtd

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_17, Date: 07-Jan-2010, Time: 08:42:10, ID: LRN68-1-AA, Description: G9L290466-2



Quantity Sample Summary Report MassLynx 4.1

Dataset: X:\ATG\10D5\06JA1010D51668MSL.qld

Last Altered: Monday, January 25, 2010 11:57:50 Pacific Standard Time  
 Printed: Monday, January 25, 2010 11:58:04 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
 Calibration: C:\MassLynx\Default.pro\Curvedb\NCA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

*AL*  
*1/25/10*

Name: 06JA1010D5\_18, Date: 07-Jan-2010, Time: 09:38:59, ID: LRN69-1-AA, Description: G9L290466-3, Task:

# Name	Trace	Sample Size	RT	Pid,RT	RRF,M	Abs.Resp	pg	EMPC	%Rec	EDL	Mod Date	Ratio	Ratio
1 13C-PeCB-101	335.924	0.500	31.98	31.75	1.000	461236.50	4000.0000	4000.0000	100.0	5.7239		0.644	NO
2													
3 13C-TeCB-81	301.963	0.500	33.86	33.87	1.040	515506.67	4299.3565	4299.3565	107.5	6.8604		0.785	NO
4 TeCB-81	289.922	0.500	33.82	33.86	1.458	66594.06	354.3142	354.3142	107.5	7.6360	25-Jan-10	0.703	NO
5 13C-TeCB-77	301.963	0.500	34.53	34.56	1.104	580149.00	4556.0522	4556.0522	113.9	6.4600		0.812	NO
6 TeCB-77	289.922	0.500	34.54	34.53	1.271	234398.38	1271.9327	1271.9327	113.9	7.4907		0.765	NO
7													
8 13C-PeCB-123	335.924	0.500	36.15	36.24	0.993	522860.86	4565.4775	4565.4775	114.1	5.7628	25-Jan-10	0.639	NO
9 PeCB-123	323.883	0.500	36.19	36.15	1.505	117152.68	595.3350	595.3350	114.1	3.7279	25-Jan-10	0.661	NO
10 13C-PeCB-118	335.924	0.500	36.32	36.41	1.024	551989.98	4674.5197	4674.5197	116.9	5.5893		0.647	NO
11 PeCB-118/106	323.883	0.500	36.34	36.32	1.525	1477230.94	7017.8751	7017.8751	116.9	3.4669	25-Jan-10	0.593	NO
12 13C-PeCB-114	335.924	0.500	37.09	37.19	1.037	533767.53	4464.2416	4464.2416	111.6	5.5201		0.628	NO
13 PeCB-114	323.883	0.500	37.13	37.09	1.586	48488.90	229.1067	229.1067	111.6	3.4872	25-Jan-10	0.593	NO
14 13C-PeCB-105	335.924	0.500	38.13	38.27	0.982	556978.97	4921.3127	4921.3127	123.0	5.8317		0.624	NO
15 PeCB-105/127	323.883	0.500	38.17	38.13	1.433	616569.55	3089.4215	3089.4215	123.0	3.8442		0.614	NO
16 13C-PeCB-126	335.924	0.500	40.43	40.57	1.030	629678.73	5301.8000	5301.8000	132.5	5.5572		0.622	NO
17 PeCB-126	323.883	0.500	40.43	40.43	1.156				132.5	4.6498			NO
18													
19 13C-OcCB-202	439.804	0.500	43.18	43.16	1.000	564355.06	4000.0000	4000.0000	100.0	3.6827		0.873	NO
20													
21 13C-HxCB-167	371.882	0.500	41.78	41.72	1.002	598735.66	4233.2400	4233.2400	105.8	4.8210		1.280	NO
22 HxCB-167	359.841	0.500	41.80	41.78	1.348	40256.43	199.5183	199.5183	105.8	3.4144		1.192	NO
23 13C-HxCB-156	371.882	0.500	43.35	43.30	0.785	588598.50	5313.7292	5313.7292	132.8	6.1558		1.272	NO
24 HxCB-156	359.841	0.500	43.36	43.35	1.688	77836.28	313.2903	313.2903	132.8	2.8994		1.221	NO
25 13C-HxCB-157	371.882	0.500	43.72	43.69	0.835	579601.48	4918.2756	4918.2756	123.0	5.7861		1.291	NO
26 HxCB-157	359.841	0.500	43.74	43.72	1.660	12574.84	52.2897	52.2897	123.0	3.0258		1.357	NO
27 13C-HxCB-169	371.882	0.500	45.97	45.91	0.871	600419.19	4884.3360	4884.3360	122.1	5.5470		1.289	NO
28 HxCB-169	359.841	0.500	45.97	45.97	1.098				122.1	4.3156			NO
29													
30 13C-HPCB-180	405.843	0.500	44.49	44.48	0.684	458884.97	4754.8622	4754.8622	118.9	3.4684		1.069	NO
31 HPCB-180	393.803	0.500	44.53	44.49	1.300	711592.81	4770.0944	4770.0944	118.9	4.1172		1.030	NO



Dataset: X:\ATG\10D5\06JA1010D51668MSL.qld

Last Altered: Monday, January 25, 2010 11:57:50 Pacific Standard Time  
 Printed: Monday, January 25, 2010 11:58:04 Pacific Standard Time

Name: 06JA1010D5\_16, Date: 07-Jan-2010, Time: 09:38:59, ID: LRN69-1-AA, Description: G9L290466-3, Task:

# Name	Time	Sample Size	RT	Prod RT	RRF:M	Abs Resp	DN	EMPO	%Rec	EDI	Mod Date	Fold	Fold
32 13C-HpCB-170	405.843	0.500	46.49	46.48	0.548	390090.61	5047.8324	5047.8324	126.2	4.3915		1.067	NO
33 HpCB-170	393.803	0.500	46.51	46.49	1.615	245281.29	1557.3424	✓1557.3424		3.9950	25-Jan-10	1.049	NO
34 13C-HpCB-189	405.843	0.500	48.38	48.37	0.698	526238.63	5346.1432	5346.1432	133.7	3.4006		1.041	NO
35 HpCB-189	393.803	0.500			1.231					3.4449			NO
36													
37 13C-PeCB-111	335.924	0.500	33.72	33.51	1.305	570030.13	3125.8855		78.1	3.7697		0.640	NO
38													
39 Function 3 PFK	380.976	1.000			0.00								
40 Function 4 PFK	380.976	1.000			0.00								

Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

491181335

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:58:22 AM Pacific Standard Time

Name: 06JA1010D5\_18, Date: 07-Jan-2010, Time: 09:38:59, ID: LRN69-1-AA, Description: G9L290466-3, Task:

1	13C-PeCB-101	335.924	0.500	31.98	31.75	1.000	461236.50	4000.0000	4000.0000	100.0	5.7239	0.644	0.610	NO
2														
3	13C-TeCB-81	301.963	0.500	33.86	33.87	1.040	515506.67	4299.3565	4299.3565	107.5	6.8604	0.785	0.770	NO
4	TeCB-81	289.922	0.500		33.86	1.458					7.6360		0.770	NO
5	13C-TeCB-77	301.963	0.500	34.53	34.56	1.104	580149.00	4556.0522	4556.0522	113.9	6.4600	0.812	0.770	NO
6	TeCB-77	289.922	0.500	34.54	34.53	1.271	234398.38	1271.9327	1271.9327	7.4907		0.785	0.770	NO
7														
8	13C-PeCB-123	335.924	0.500	36.15	36.24	0.993	520507.94	4544.7586	4544.7586	113.6	5.7628	0.630	0.610	NO
9	PeCB-123	323.883	0.500	36.19	36.15	1.505	112023.96	571.8676	571.8676		3.7142	0.537	0.610	NO
10	13C-PeCB-118	335.924	0.500	36.32	36.41	1.024	551989.98	4674.5197	4674.5197	116.9	5.5893	0.647	0.610	NO
11	PeCB-118/106	323.883	0.500	36.34	36.32	1.525	1429697.13	6791.5813	6791.5813		3.4689	0.609	0.610	NO
12	13C-PeCB-114	335.924	0.500	37.09	37.19	1.037	533767.53	4464.2416	4464.2416	111.6	5.5201	0.628	0.610	NO
13	PeCB-114	323.883	0.500		37.09	1.586					3.4872		0.610	NO
14	13C PeCB-105	335.924	0.500	38.13	38.27	0.982	556978.97	4921.3127	4921.3127	123.0	5.8317	0.624	0.610	NO
15	PeCB-105/127	323.883	0.500	38.17	38.13	1.433	616569.55	3089.4215	3089.4215		3.8442	0.614	0.610	NO
16	13C-PeCB-126	335.924	0.500	40.43	40.57	1.030	629678.73	5301.8000	5301.8000	132.5	5.5572	0.622	0.610	NO
17	PeCB-126	323.883	0.500		40.43	1.156					4.6498		0.610	NO
18														
19	13C-OcCB-202	439.804	0.500	43.18	43.16	1.000	564355.06	4000.0000	4000.0000	100.0	3.6627	0.873	0.890	NO
20														
21	13C-HXCB-167	371.882	0.500	41.78	41.72	1.002	598735.86	4233.2400	4233.2400	105.8	4.8210	1.280	1.240	NO
22	HXCB-167	359.841	0.500	41.80	41.78	1.348	40256.43	199.5183	199.5183		3.4144	1.192	1.240	NO
23	13C-HXCB-156	371.882	0.500	43.35	43.30	0.785	588598.50	5313.7292	5313.7292	132.8	6.1558	1.272	1.240	NO
24	HXCB-156	359.841	0.500	43.36	43.35	1.688	77836.28	313.2903	313.2903		2.8994	1.221	1.240	NO
25	13C-HXCB-157	371.882	0.500	43.72	43.69	0.835	579601.48	4918.2756	4918.2756	123.0	5.7861	1.291	1.240	NO
26	HXCB-157	359.841	0.500	43.73	43.72	1.660	12574.84	52.2897	52.2897		3.0258	1.357	1.240	NO
27	13C-HXCB-169	371.882	0.500	45.96	45.91	0.871	800419.19	4884.3360	4884.3360	122.1	5.5470	1.289	1.240	NO
28	HXCB-169	359.841	0.500		45.96	1.098					4.3156		1.240	NO
29														
30	13C-HPCB-180	405.843	0.500	44.49	44.48	0.684	458884.97	4754.8622	4754.8622	118.9	3.4684	1.069	1.050	NO
31	HPCB-180	393.803	0.500	44.52	44.49	1.300	711592.81	4770.0944	4770.0944		4.1172	1.030	1.050	NO
32	13C-HPCB-170	405.843	0.500	46.49	46.48	0.548	390090.61	5047.8324	5047.8324	126.2	4.3315	1.067	1.050	NO
33	HPCB-170	393.803	0.500	46.51	46.49	1.615	192530.30	1222.4153	1222.4153		3.9960	1.040	1.050	NO
34	13C-HPCB-189	405.843	0.500	48.38	48.37	0.698	526238.63	5346.1432	5346.1432	133.7	3.4006	1.041	1.050	NO
35	HPCB-189	393.803	0.500		48.38	1.231					3.4449		1.050	NO

Dataset: C:\MassLynx\Default\pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:58:22 AM Pacific Standard Time

Name: 06JA1010D5\_18, Date: 07-Jan-2010, Time: 09:38:59, ID: LRN69-1-AA, Description: G9L290466-3, Task:

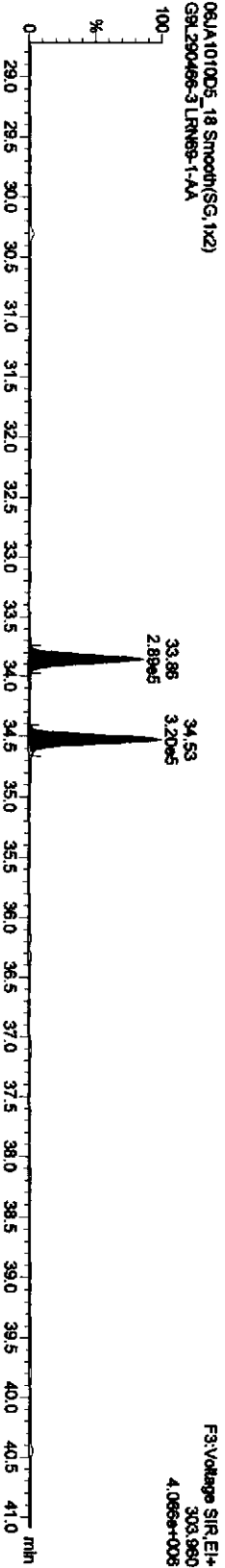
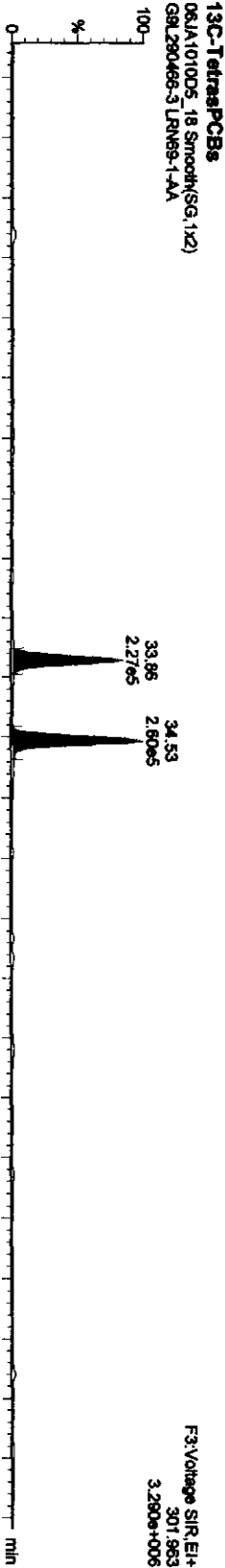
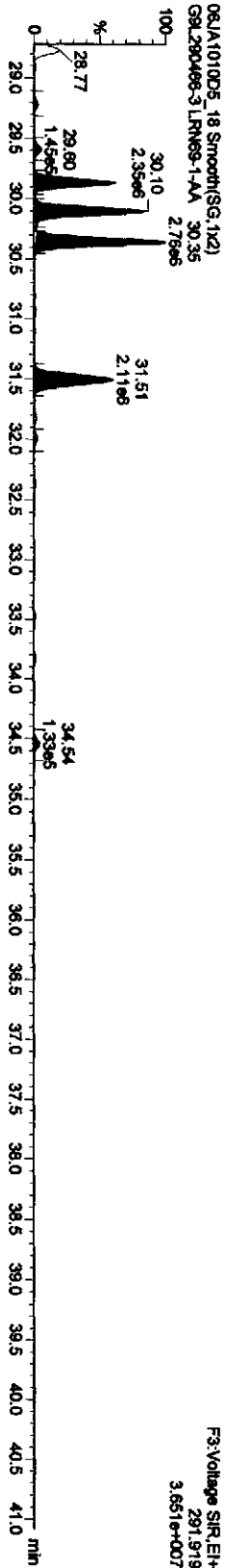
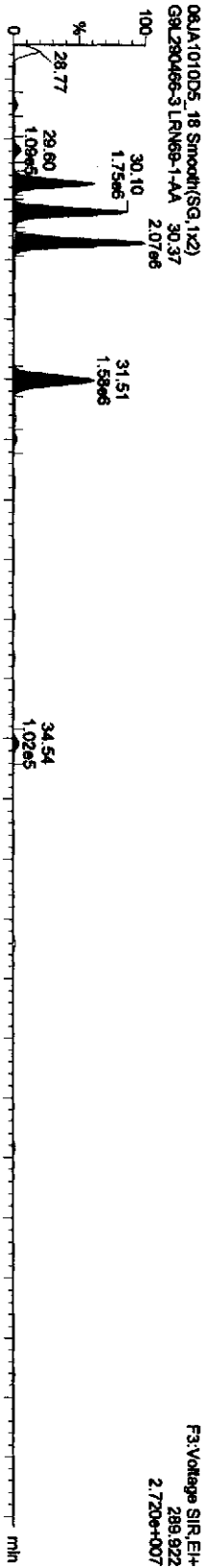
36																					
37	13C-PeCB-111	335.924	0.500	33.72	33.51	1.305	570030.13	3128.5414	78.2	3.7669	0.640	0.610								NO	
38																					
39	Function 3 PFK	380.976	1.000																		
40	Function 4 PFK	380.976	1.000																		

Dataset: C:\MassLynx\Default\pro106JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_18, Date: 07-Jan-2010, Time: 09:38:59, ID: LRN69-1-AA, Description: G9L290466-3

**TetraPCBs**



Dataset: X:\ATG\10D5\06JA1010D51668MSL.qld

Last Altered: Monday, January 25, 2010 11:52:49 Pacific Standard Time  
Printed: Monday, January 25, 2010 11:54:23 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSL10DB5.mdb 05 Nov 2009 11:40:42  
Calibration: C:\MassLynx\Default.pro\Curvedb\CA0716200910D51668MSL.cdb 21 Jul 2009 12:15:46

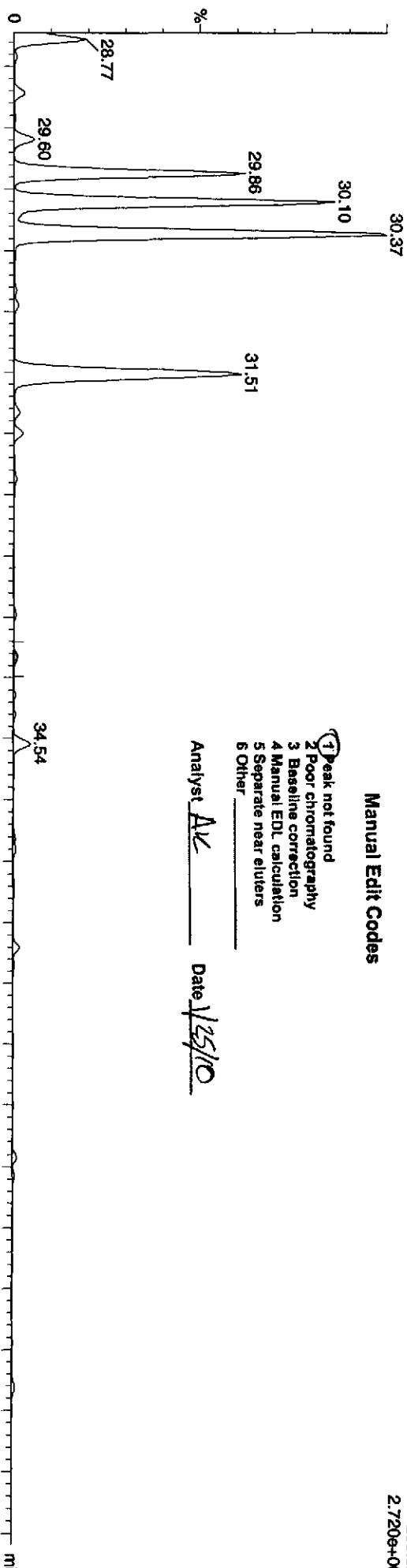
Sample Name: 06JA1010D5\_18

06JA1010D5\_18 Smooth(SG, 1x2)  
G9L290466-3 LRM69-1-AA

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

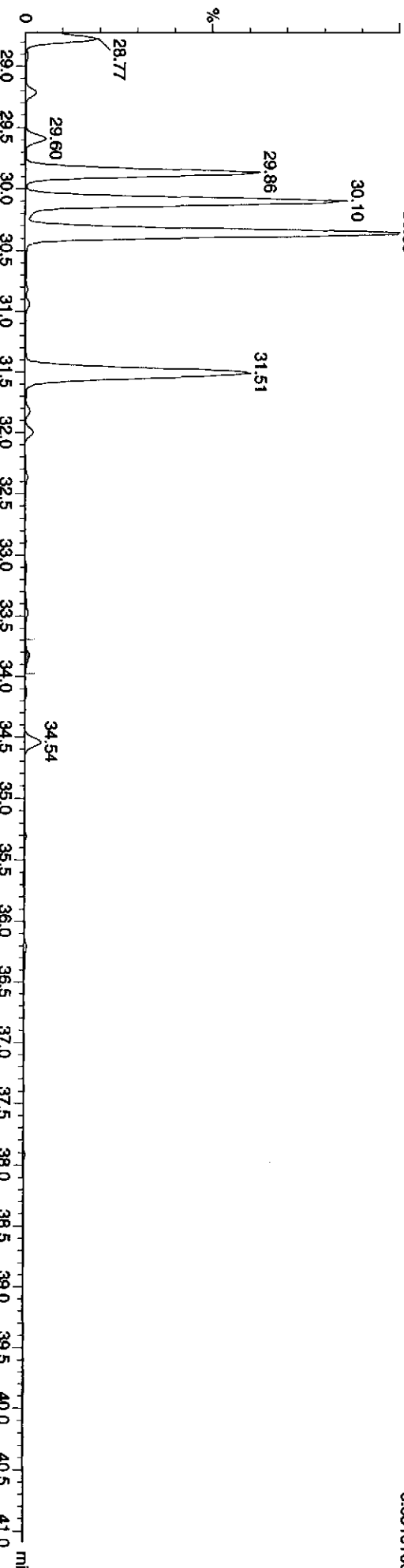
Analyst AK Date 1/25/10



F3: Voltage SIR, EI+  
289.922  
2.720e+007

06JA1010D5\_18 Smooth(SG, 1x2)  
G9L290466-3 LRM69-1-AA

F3: Voltage SIR, EI+  
291.916  
3.651e+007



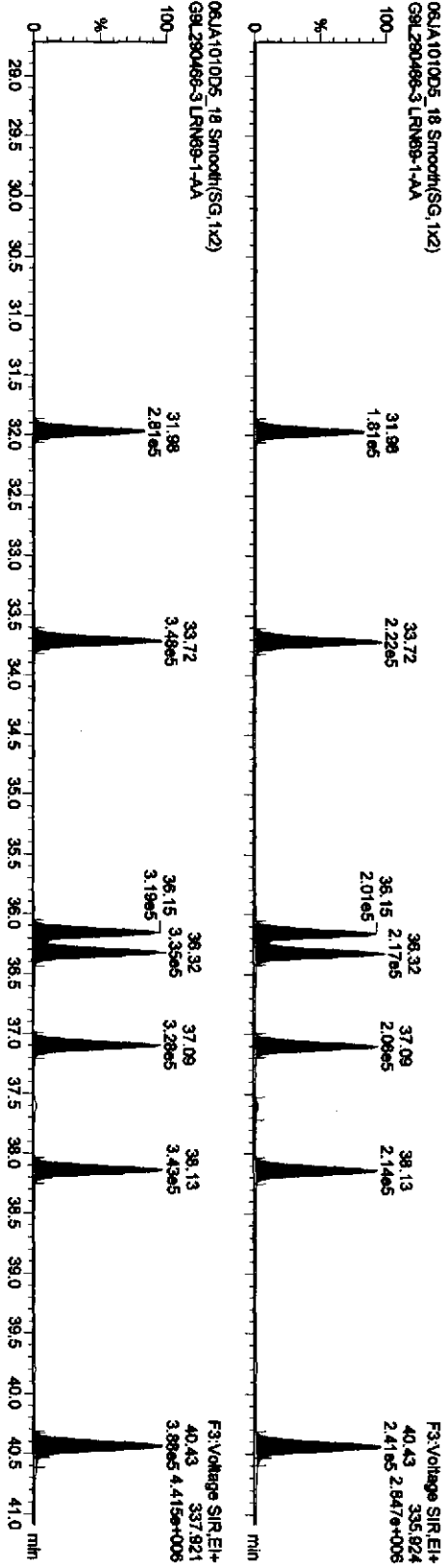
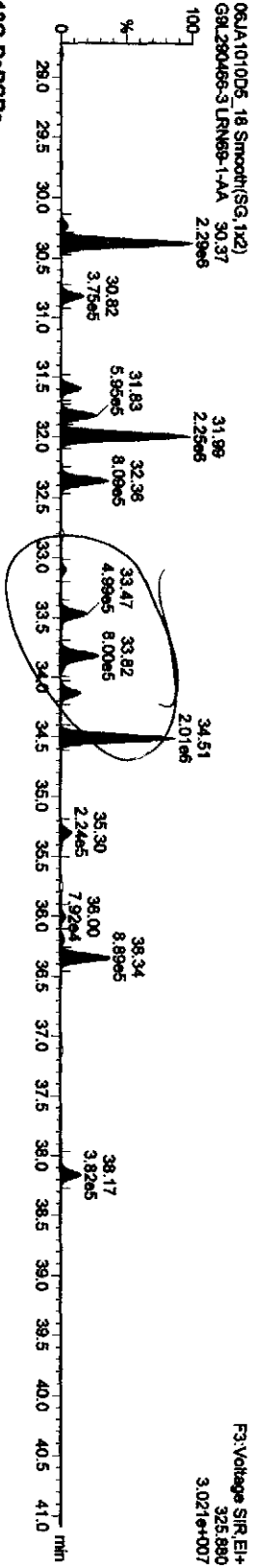
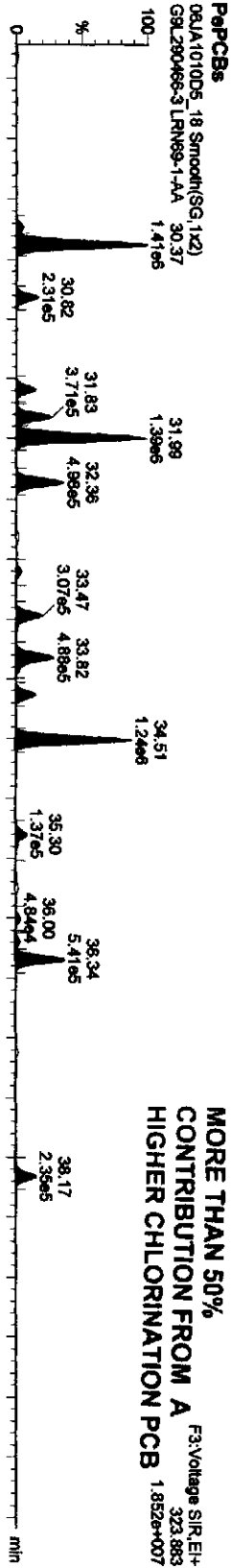
290466

Dataset: C:\MassLynxDefault\proj\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_18, Date: 07-Jan-2010, Time: 09:38:59, ID: LRN69-1-AA, Description: G9L290466-3

**MORE THAN 50%  
CONTRIBUTION FROM A  
HIGHER CHLORINATION PCB**



Dataset: X:\ATG\10D5\06JA1010D51668MSL.qld

Last Altered: Monday, January 25, 2010 11:52:49 Pacific Standard Time  
Printed: Monday, January 25, 2010 11:54:23 Pacific Standard Time

Sample Name: 06JA1010D5\_18

06JA1010D5\_18 Smooth(SG, 1x2)  
G9L290466-3 LRN69-1-AA

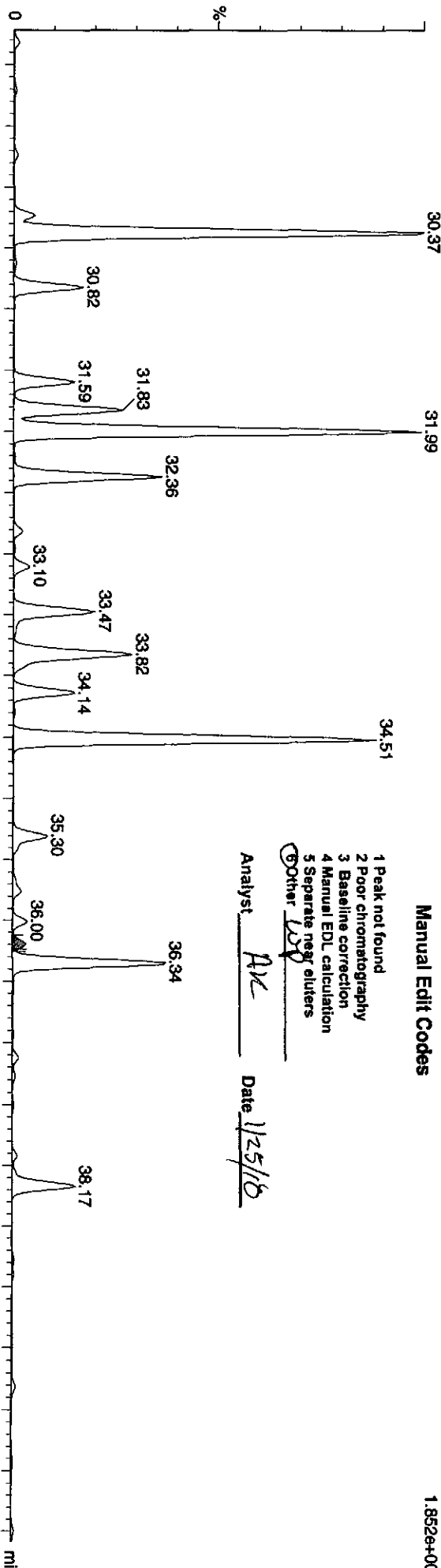
F3: Voltage S1R, EI+  
323.883  
1.852e+007

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- Other *WSP*

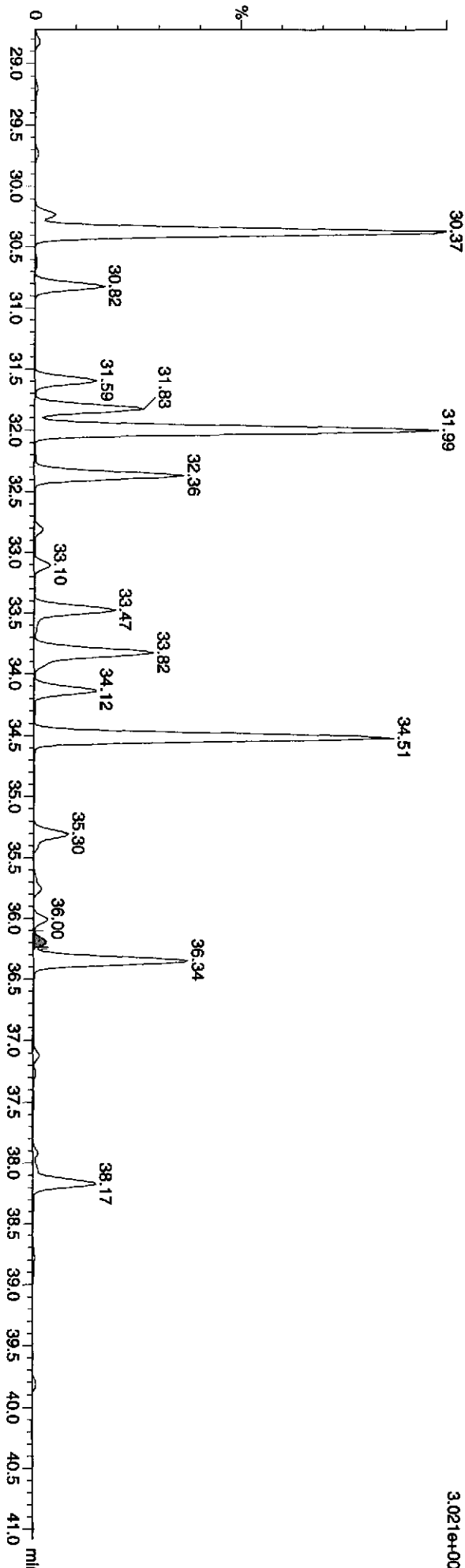
Analyst: *AK*

Date: *1/25/10*



06JA1010D5\_18 Smooth(SG, 1x2)  
G9L290466-3 LRN69-1-AA

F3: Voltage S1R, EI+  
325.883  
3.021e+007



Dataset: X:\ATG\10D5\06JA1010D51668MSL.qld

Last Altered: Monday, January 25, 2010 11:52:49 Pacific Standard Time  
Printed: Monday, January 25, 2010 11:54:23 Pacific Standard Time

Sample Name: 06JA1010D5\_18

06JA1010D5\_18 Smooth(SG, 1x2)  
G9L290466-3 LRN69-1-AA

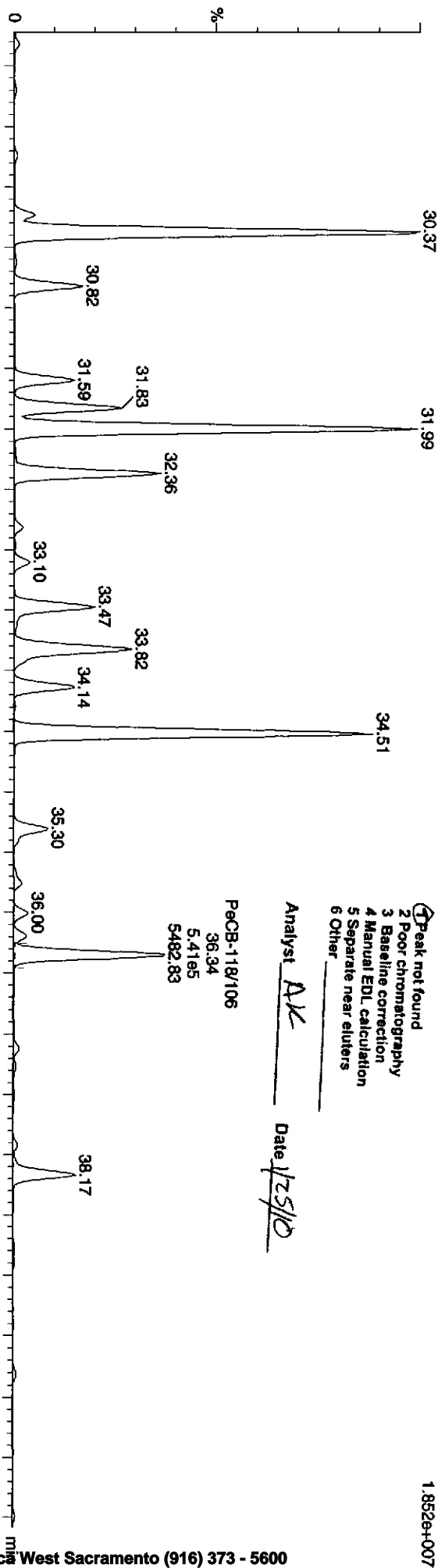
F3: Voltage SIR, EI+  
323.883  
1.852e+007

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

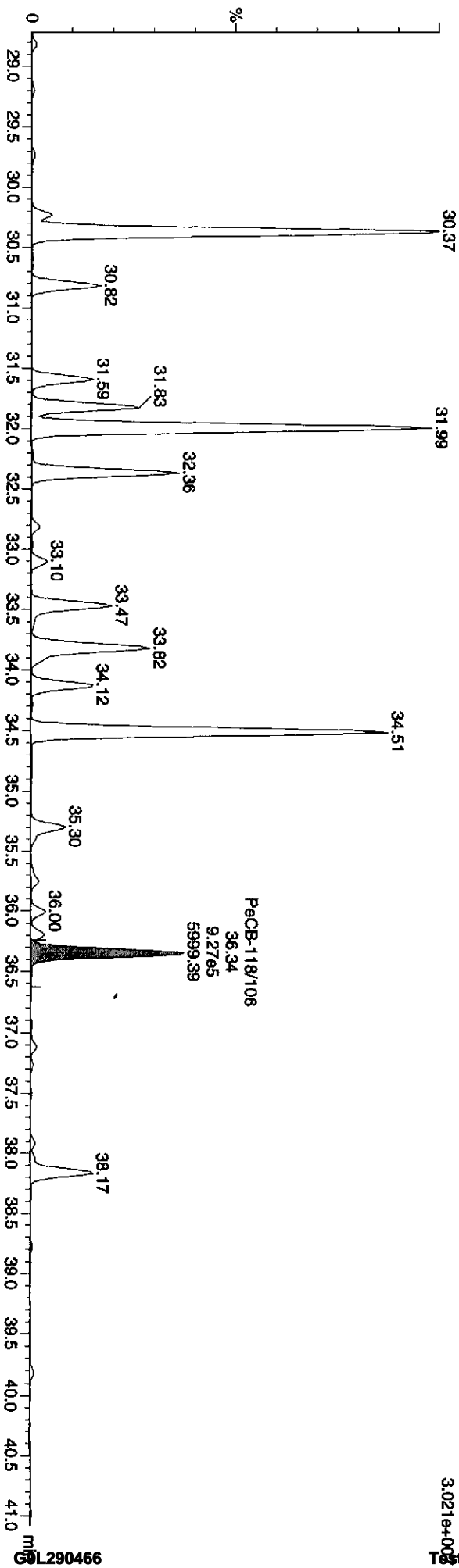
Analyst AK

Date 1/25/10



06JA1010D5\_18 Smooth(SG, 1x2)  
G9L290466-3 LRN69-1-AA

F3: Voltage SIR, EI+  
325.899  
3.021e+008



PeCB-118/106

36.34  
9.27e5  
5999.39



Dataset: X:\ATG\10D5\06JA1010D5\1668MSL.qld

Last Altered: Monday, January 25, 2010 11:52:49 Pacific Standard Time  
Printed: Monday, January 25, 2010 11:54:23 Pacific Standard Time

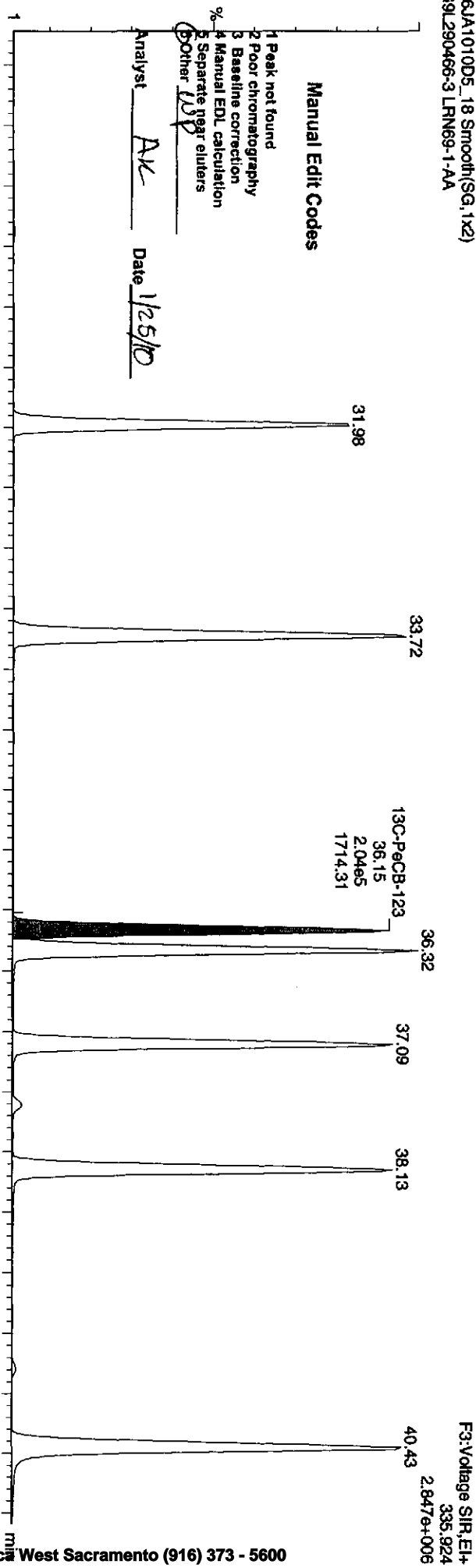
Sample Name: 06JA1010D5\_18

06JA1010D5\_18 Smooth(SG,1x2)  
G9L290466-3 LRN69-1-AA

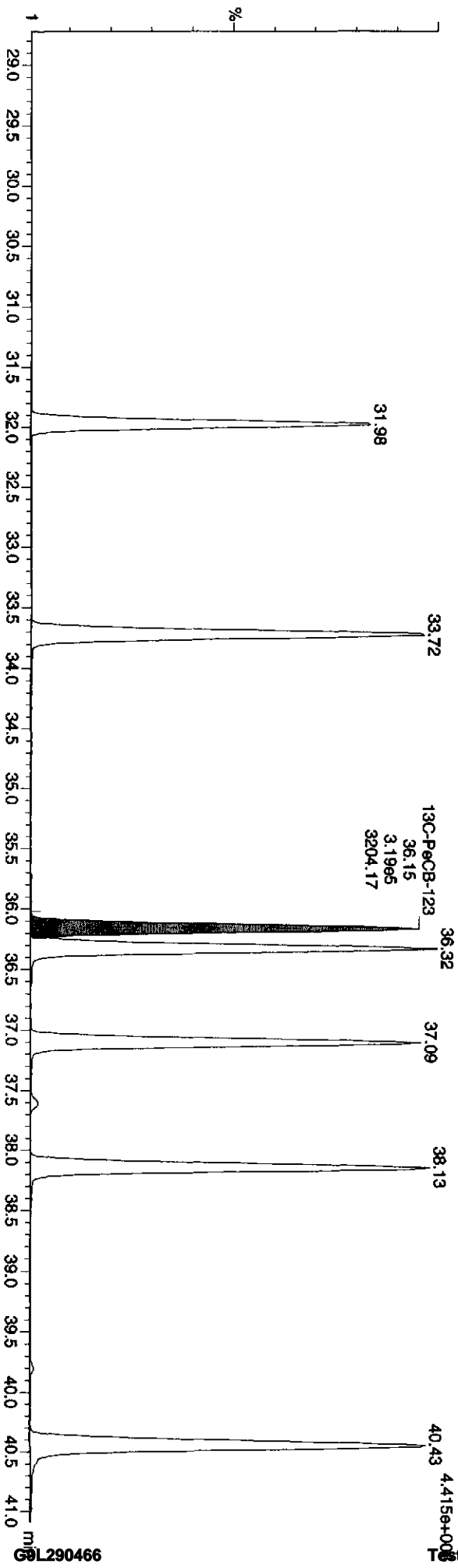
Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other *USP*

Analyst *AK* Date *1/25/10*



06JA1010D5\_18 Smooth(SG,1x2)  
G9L290466-3 LRN69-1-AA



Dataset: X:\ATG\10D5\06JA1010D51668MSL.qld

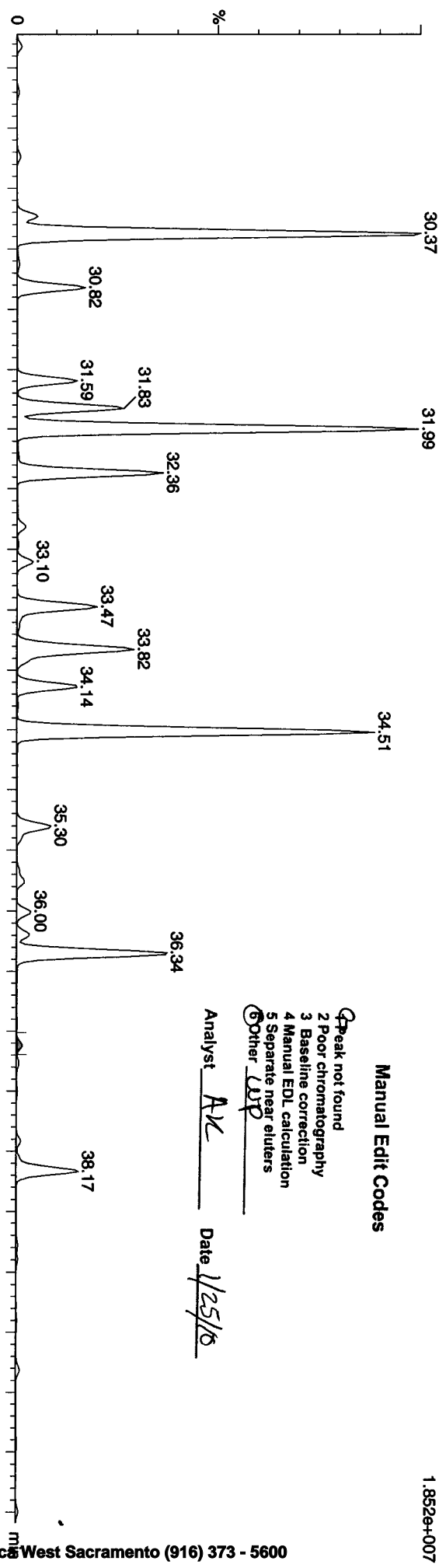
120 of 206

Last Altered: Monday, January 25, 2010 11:52:49 Pacific Standard Time  
Printed: Monday, January 25, 2010 11:54:23 Pacific Standard Time

Sample Name: 06JA1010D5\_18

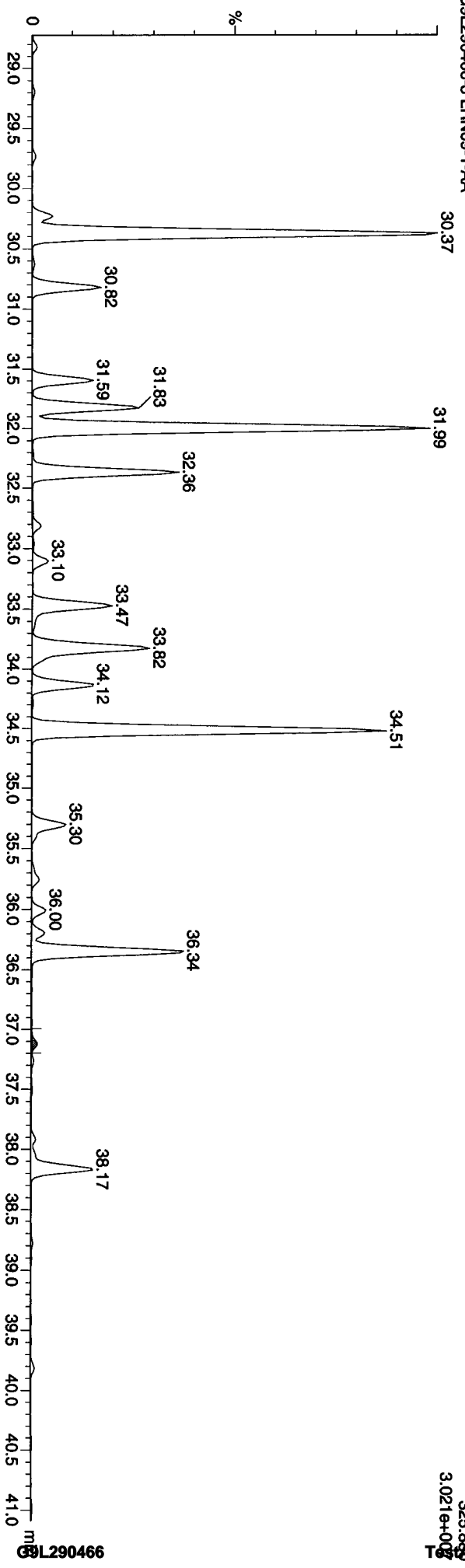
06JA1010D5\_18 Smooth(SG,1x2)  
G9L290466-3 LFN69-1-AA

F3:Voltage SIR,EI+  
323.883  
1.852e+007



06JA1010D5\_18 Smooth(SG,1x2)  
G9L290466-3 LFN69-1-AA

F3:Voltage SIR,EI+  
325.893  
3.021e+007

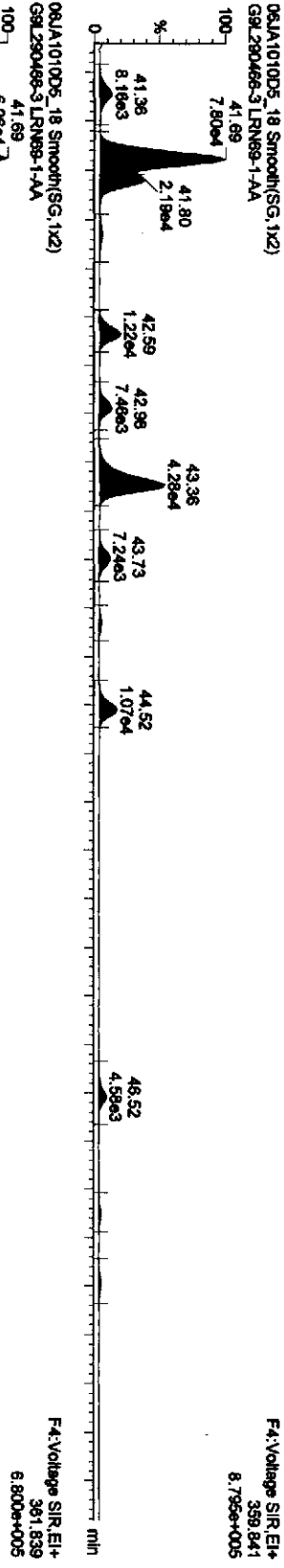


Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

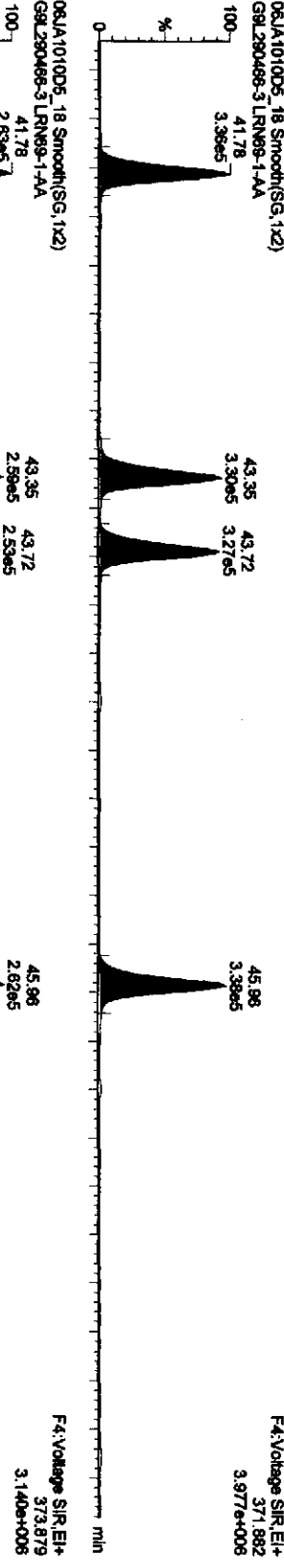
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_18, Date: 07-Jan-2010, Time: 09:38:59, ID: LRN69-1-AA, Description: G9L290466-3

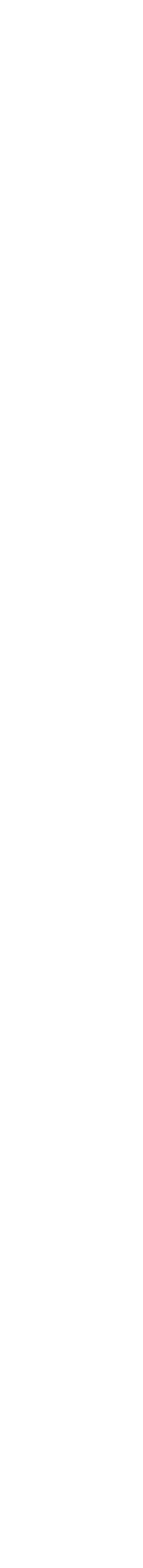
HxPCBs-



13C-HxPCBs



13C-HxPCBs

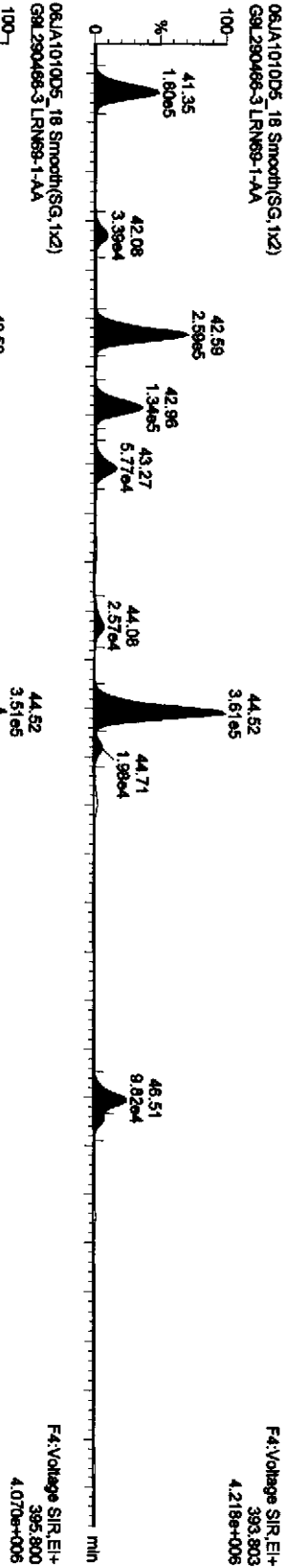


Dataset: C:\MassLynxDefault\pro\06JJA1010D51668MSL.qld

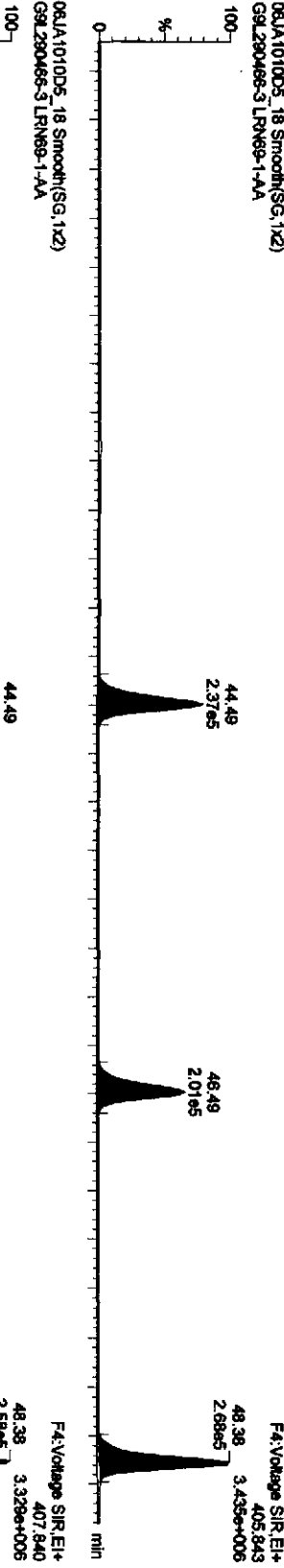
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JJA1010D5\_18, Date: 07-Jan-2010, Time: 09:38:59, ID: LRN69-1-AA, Description: G9L290466-3

**HPLCAs**



**13C-HPLCAs**



**13C-HPLCAs**



Dataset: X:\ATG\10D5\06JA1010D51668MSL.qld

Last Altered: Monday, January 25, 2010 11:52:49 Pacific Standard Time  
Printed: Monday, January 25, 2010 11:54:23 Pacific Standard Time

Sample Name: 06JA1010D5\_18

06JA1010D5\_18 Smooth(SG, 1x2)  
G9L290466-3 LRN69-1-AA

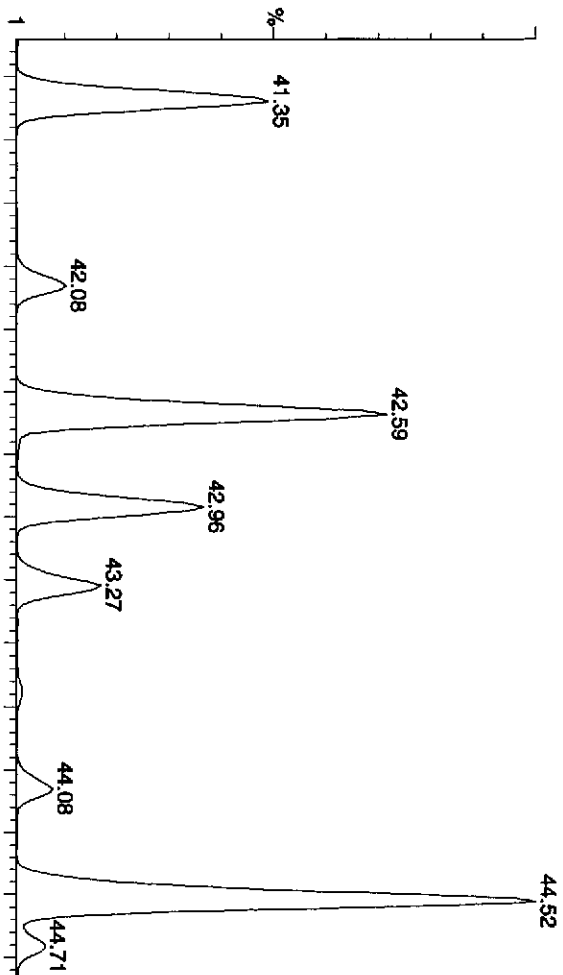
F4: Voltage SIR, E1+  
393.803  
4.218e+006

Manual Edit Codes

- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst AK

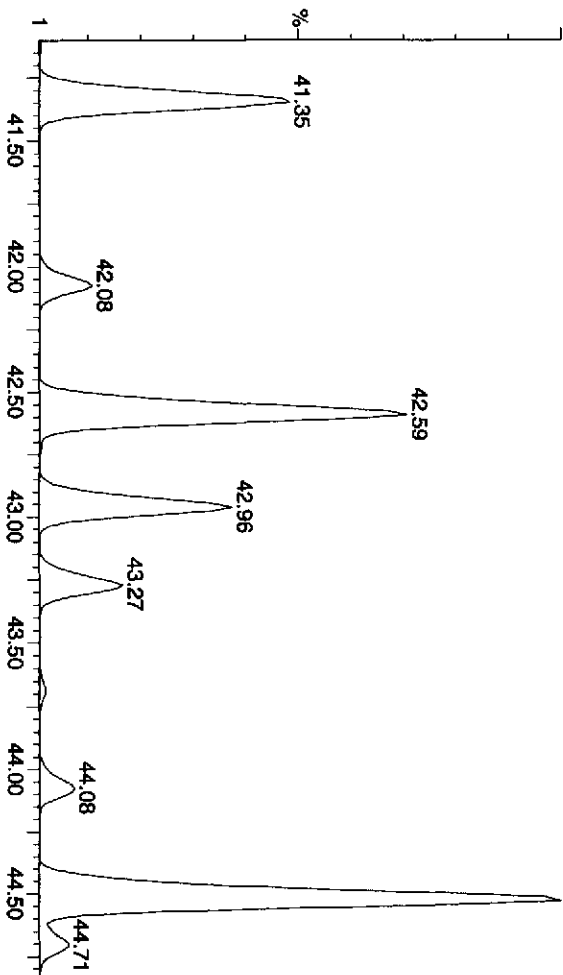
Date 1/25/10



HPCB-170  
46.51  
1.26e5  
876.68

06JA1010D5\_18 Smooth(SG, 1x2)  
G9L290466-3 LRN69-1-AA

F4: Voltage SIR, E1+  
395.803  
4.070e+006

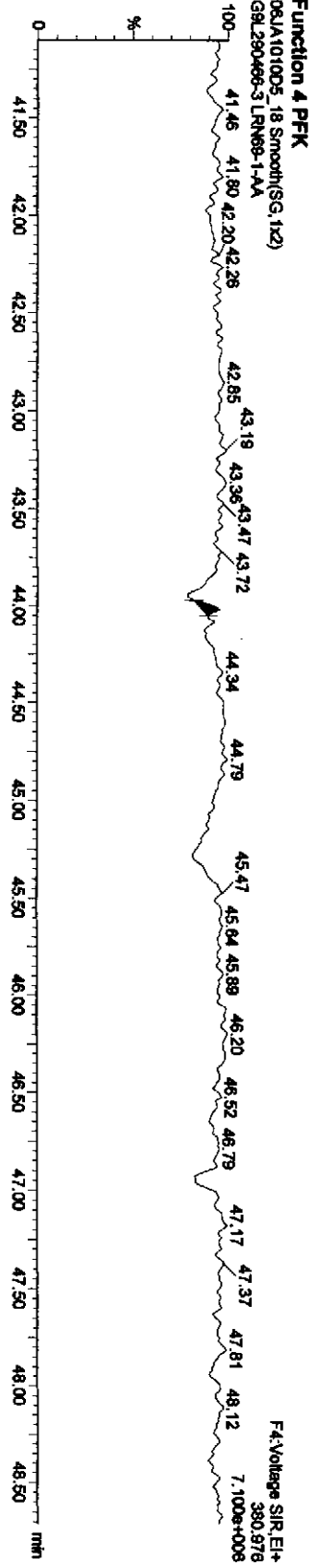
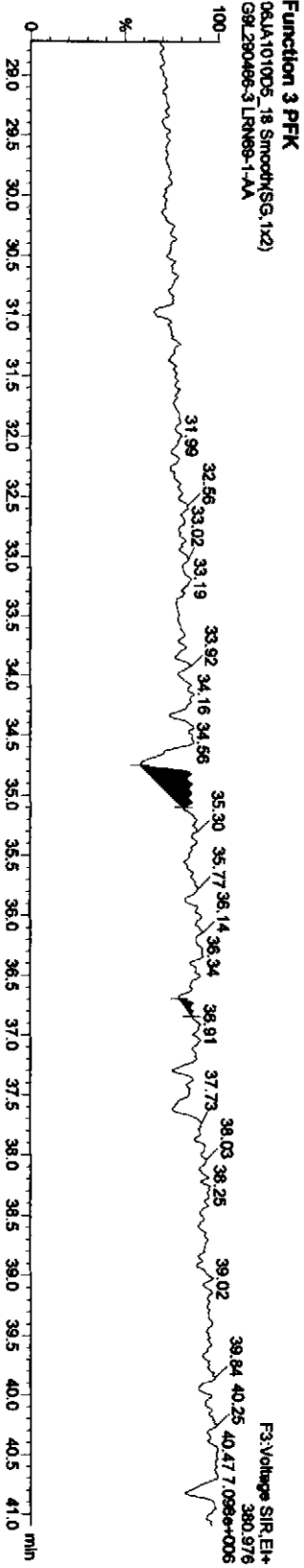
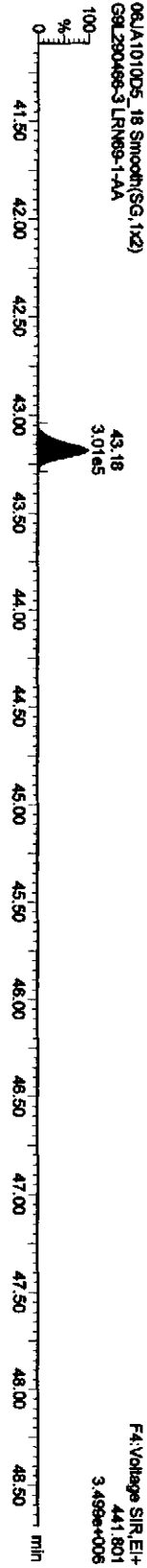
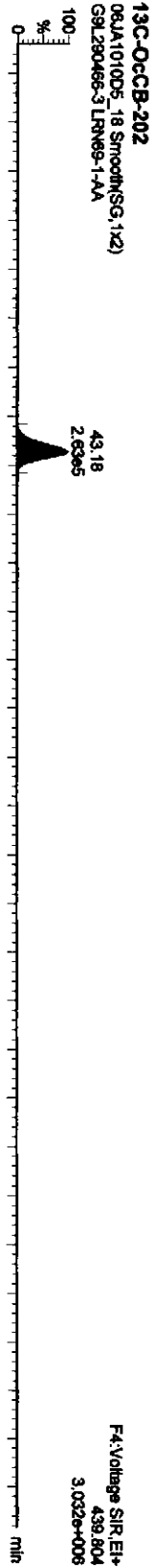


HPCB-170  
46.51  
1.20e5  
899.16

Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_16, Date: 07-Jan-2010, Time: 09:38:59, ID: LRN69-1-AA, Description: G9L290468-3



Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

8

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:58:22 AM Pacific Standard Time

Name: 06JA1010D5\_19, Date: 07-Jan-2010, Time: 10:35:47, ID: LRN7A-1-AA, Description: G9L290466-4, Task:

AK 1/25/10

1	13C-PeCB-101	335.924	0.500	31.76	31.75	1.000	705946.06	4000.0000	4000.0000	100.0	4.1126	0.629	0.610	NO
2														
3	13C-TeCB-81	301.963	0.500	33.69	33.65	1.040	675908.75	3683.0650	3683.0650	92.1	4.1965	0.784	0.770	NO
4	TeCB-81	289.922	0.500		33.69	1.458				72.1	1.5661		0.770	NO
5	13C-TeCB-77	301.963	0.500	34.38	34.34	1.104	730986.22	3750.5814	3750.5814	93.8	3.9515	0.808	0.770	NO
6	TeCB-77	289.922	0.500		34.38	1.271					1.7955		0.770	NO
7														
8	13C-PeCB-123	335.924	0.500	36.04	36.02	0.993	672423.98	3836.0018	3836.0018	95.9	4.1406	0.623	0.610	NO
9	PeCB-123	323.883	0.500		36.04	1.505					1.6325		0.610	NO
10	13C-PeCB-118	335.924	0.500	36.21	36.19	1.024	731292.53	4046.2161	4046.2161	101.2	4.0159	0.637	0.610	NO
11	PeCB-118/106	323.883	0.500	36.24	36.21	1.525	2167.73	7.7733	6.1829		1.6797	1.024	0.610	YES
12	13C-PeCB-114	335.924	0.500	37.01	36.97	1.037	685732.78	3747.1631	3747.1631	93.7	3.9862	0.639	0.610	NO
13	PeCB-114	323.883	0.500		37.01	1.586					1.2588		0.610	NO
14	13C-PeCB-105	335.924	0.500	38.05	38.05	0.982	687725.50	3970.1730	3970.1730	99.3	4.1901	0.645	0.610	NO
15	PeCB-105/127	323.883	0.500	38.09	38.05	1.433	1313.73	5.3312	4.4369		1.5821	0.461	0.610	YES
16	13C-PeCB-126	335.924	0.500	40.37	40.35	1.030	753623.38	4145.8237	4145.8237	103.6	3.9929	0.651	0.610	NO
17	PeCB-126	323.883	0.500		40.37	1.156					2.1140		0.610	NO
18														
19	13C-OcCB-202	439.804	0.500	43.13	43.16	1.000	717657.25	4000.0000	4000.0000	100.0	2.5131	0.882	0.880	NO
20														
21	13C-HxCB-167	371.882	0.500	41.72	41.67	1.002	660461.88	3672.1539	3672.1539	91.8	3.7451	1.290	1.240	NO
22	HxCB-167	359.841	0.500		41.72	1.348					1.9202		1.240	NO
23	13C-HxCB-156	371.882	0.500	43.29	43.25	0.785	659901.16	4684.8373	4684.8373	117.1	4.7820	1.304	1.240	NO
24	HxCB-156	359.841	0.500		43.29	1.688					1.5854		1.240	NO
25	13C-HxCB-157	371.882	0.500	43.67	43.64	0.835	643773.13	4295.8743	4295.8743	107.4	4.4948	1.282	1.240	NO
26	HxCB-157	359.841	0.500		43.67	1.660					1.6210		1.240	NO
27	13C-HxCB-169	371.882	0.500	45.92	45.86	0.871	648605.06	4149.2218	4149.2218	103.7	4.3090	1.283	1.240	NO
28	HxCB-169	359.841	0.500		45.92	1.098					2.4978		1.240	NO
29														
30	13C-HpCB-180	405.843	0.500	44.45	44.43	0.884	502860.97	4097.4850	4097.4850	102.4	3.5057	1.081	1.050	NO
31	HpCB-180	393.803	0.500	44.45	44.45	1.300	1271.19	7.7761	7.1968		2.3423	1.215	1.050	YES
32	13C-HpCB-170	405.843	0.500	46.46	46.43	0.548	430709.89	4382.8804	4382.8804	109.6	4.3781	1.051	1.050	NO
33	HpCB-170	393.803	0.500	46.48	46.46	1.615	461.51	2.6539	2.2871		2.1487	0.790	1.050	YES
34	13C-HpCB-189	405.843	0.500	48.35	48.32	0.698	576708.53	4607.3329	4607.3329	115.2	3.4372	1.040	1.050	NO
35	HpCB-189	393.803	0.500	48.35	48.35	1.231					1.9033		1.050	NO

Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:58:22 AM Pacific Standard Time

Name: 06JA1010D5\_19, Date: 07-Jan-2010, Time: 10:35:47, ID: LRN7A-1-AA, Description: G9L290466-4, Task:

36																	
37	13C-PeCB-111	335.924	0.500	33.54	33.51	1.305	731053.38	3173.7979		79.3	4.1712	0.621	0.610				NO
38																	
39	Function 3 PFK	380.976	1.000														
40	Function 4 PFK	380.976	1.000														

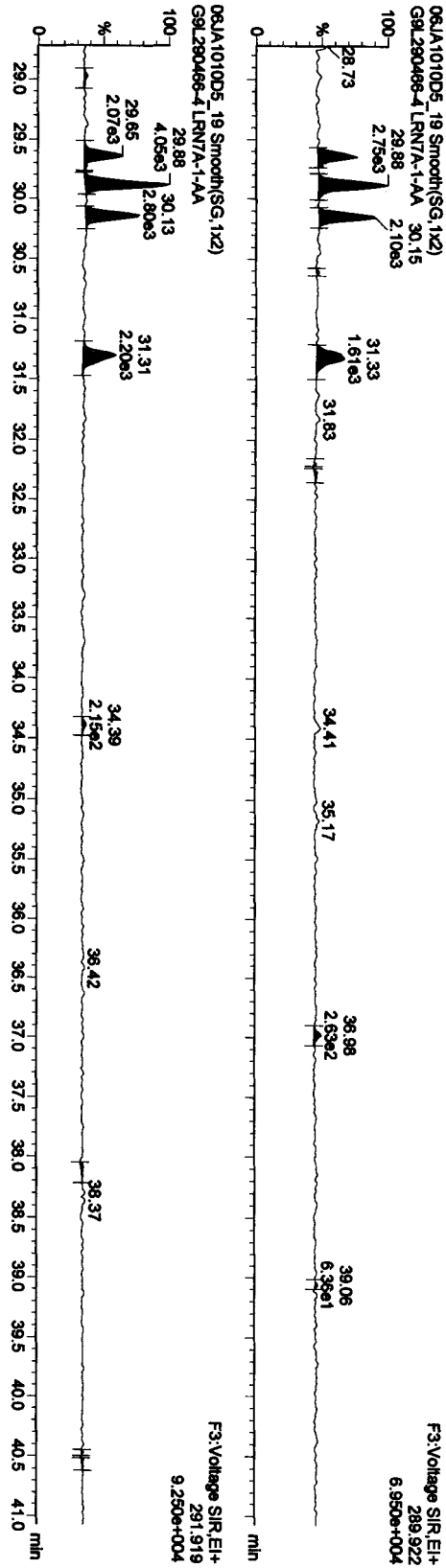


Dataset: C:\MassLynx\Default\pro\06JA1010D51668MSL.qld

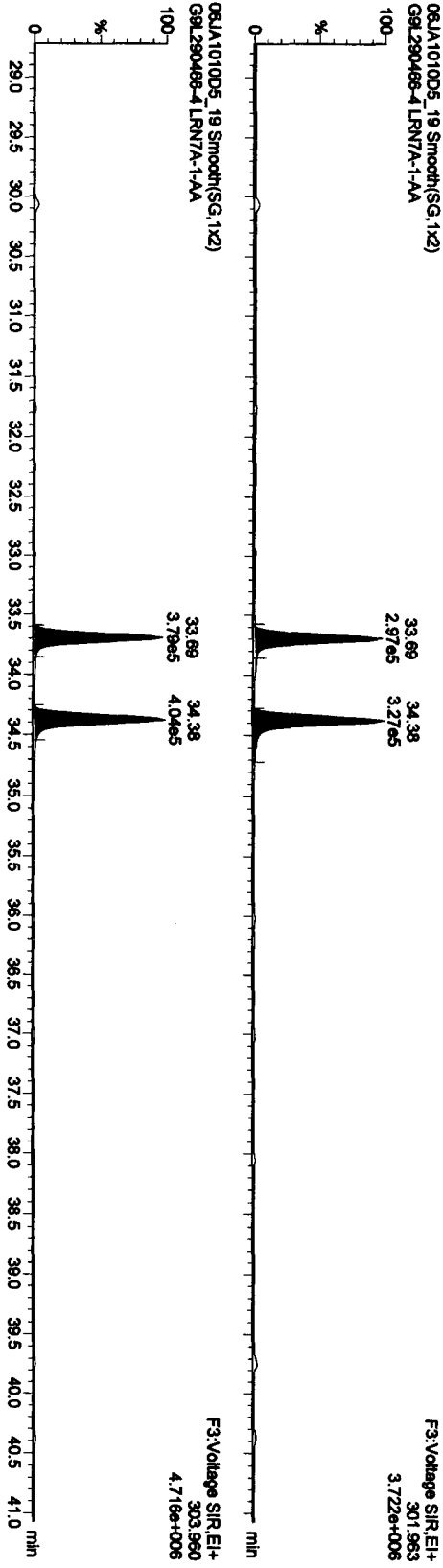
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_19, Date: 07-Jan-2010, Time: 10:35:47, ID: LRN7A-1-AA, Description: G9L290466-4

**TetraPCBs**



**13C-TetraPCBs**

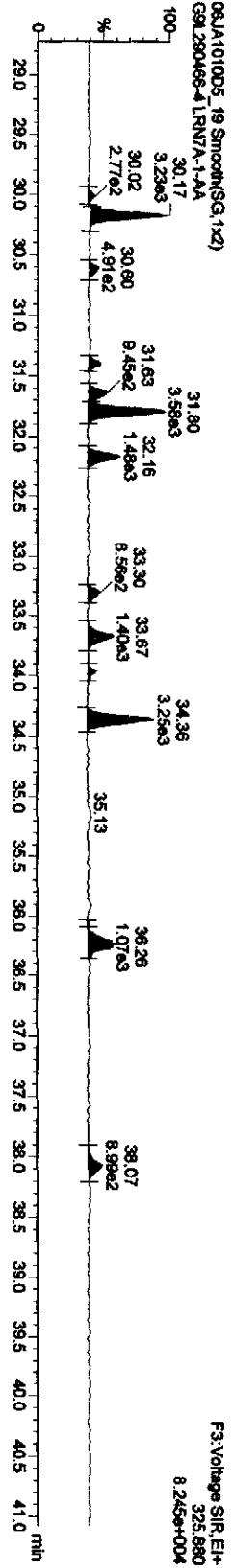
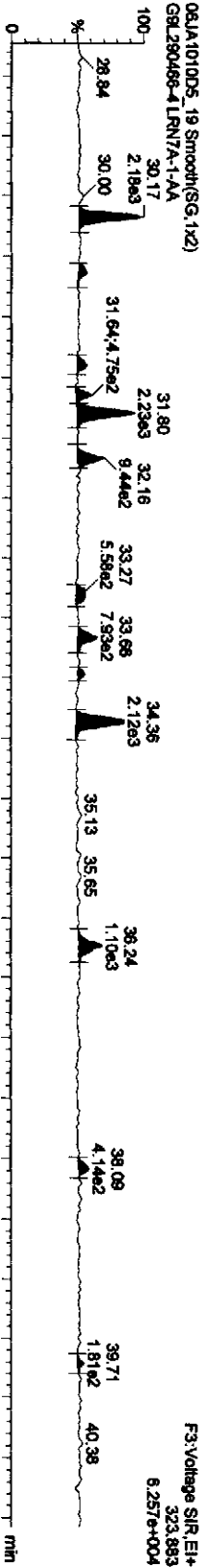


Dataset: C:\Masslynx\Default\pro\06JA1010D51668MSL.qid

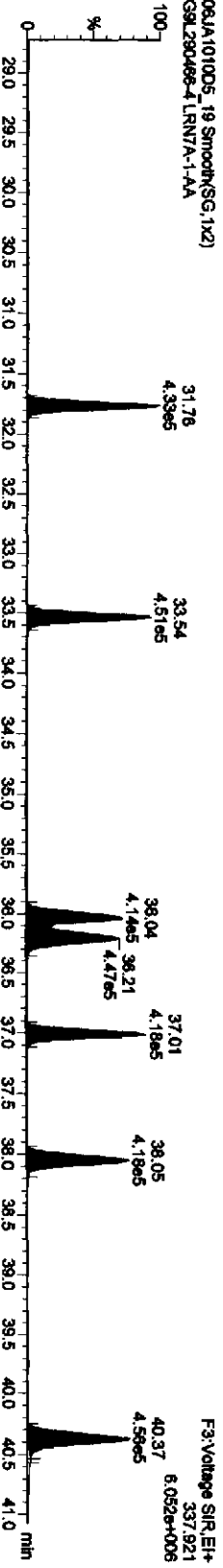
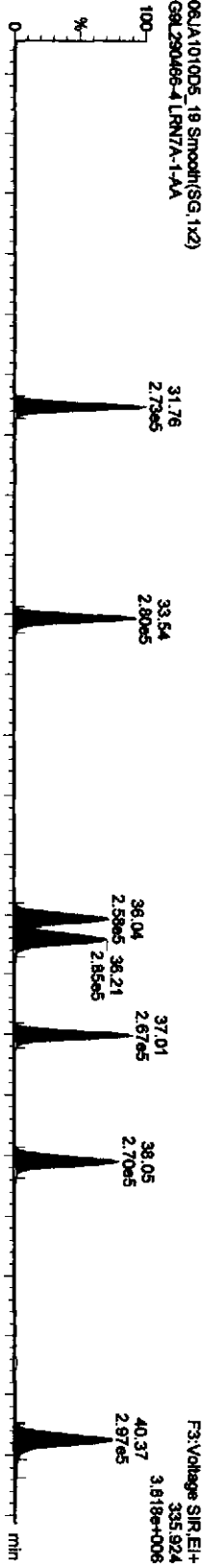
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_19, Date: 07-Jan-2010, Time: 10:35:47, ID: LRN7A-1-AA, Description: G9L290466-4

**PePCBs**



**13C-PePCBs**

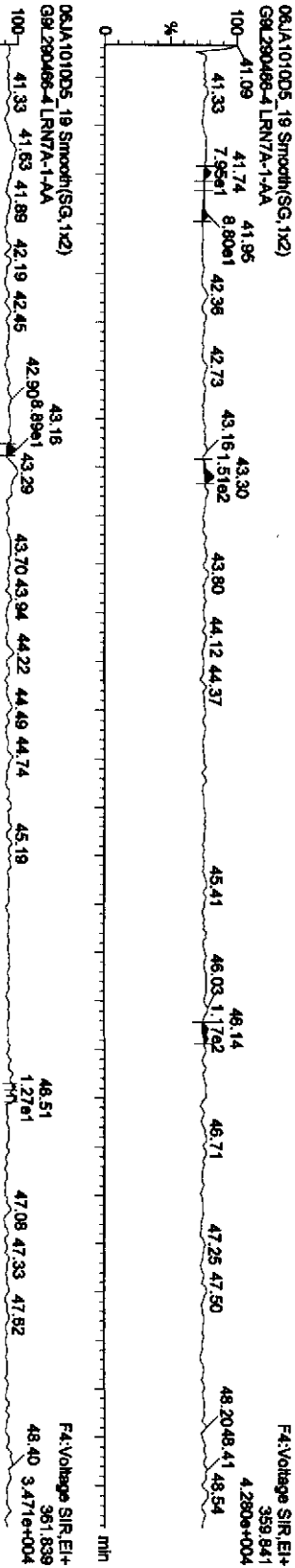


Dataset: C:\MassLynx\Default\pro\06JA1010D51668MSL.qld

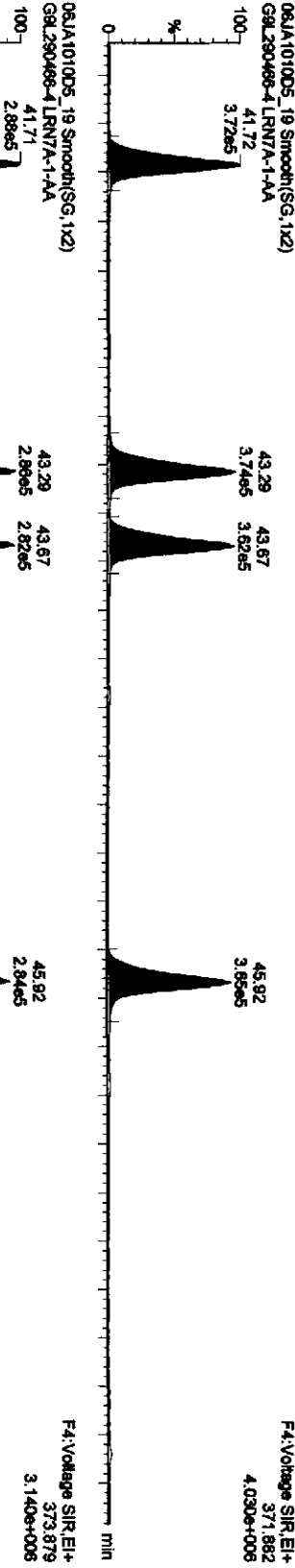
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_19, Date: 07-Jan-2010, Time: 10:35:47, ID: LRN7A-1-AA, Description: G9L290466-4

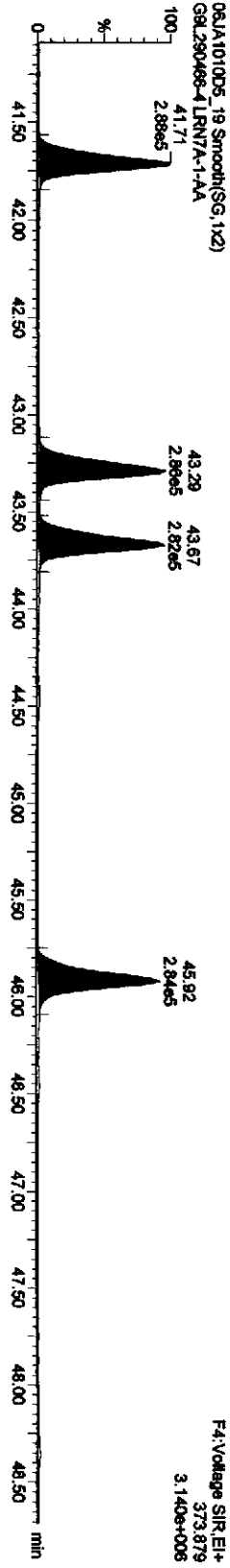
**HPCBs-**



**13C-HPCBs**



**13C-HPCBs**

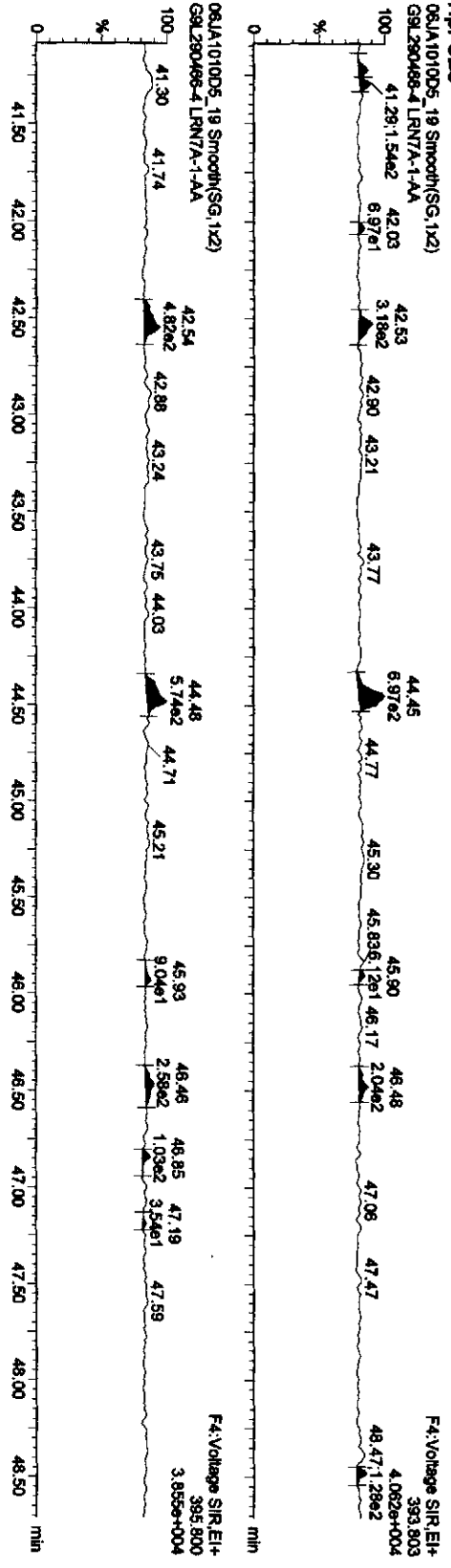


Dataset: C:\MassLynx\Default\proj\06JA1010D51668MSL.qld

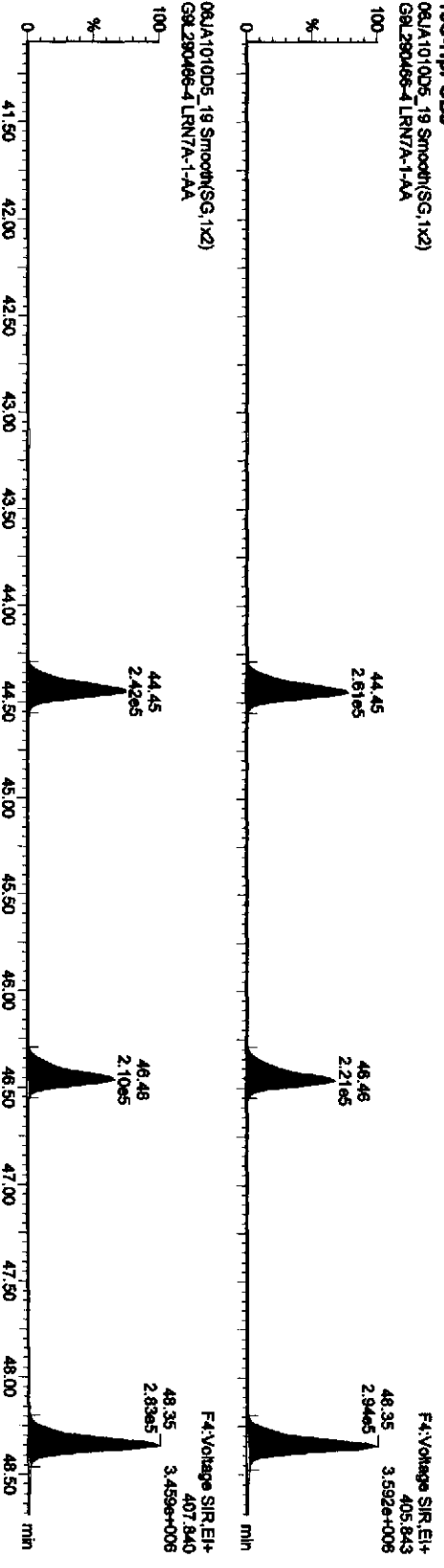
Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
 Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_19, Date: 07-Jan-2010, Time: 10:35:47, ID: LRN7A-1-AA, Description: G9L290466-4

**HPPCBs**



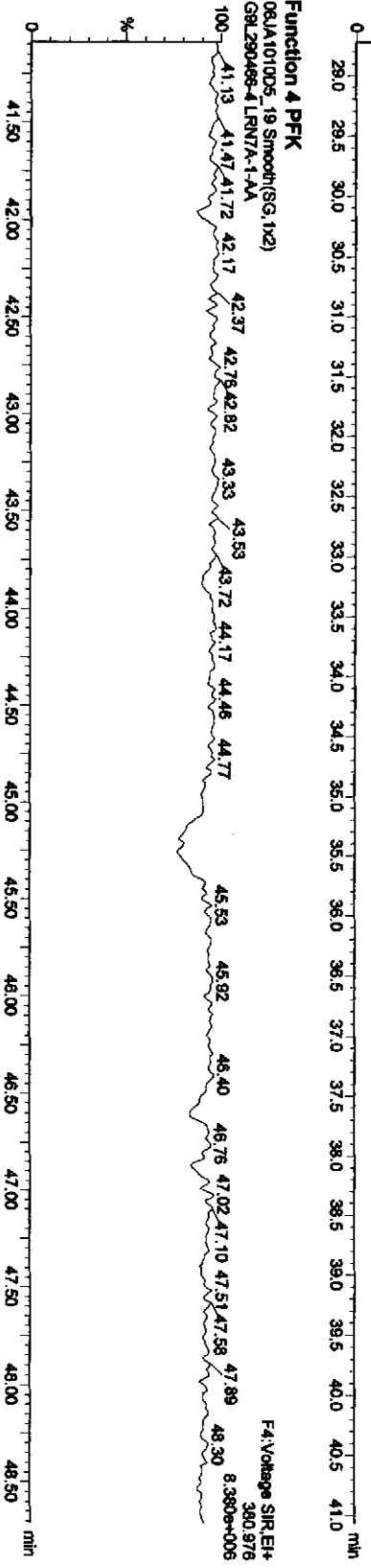
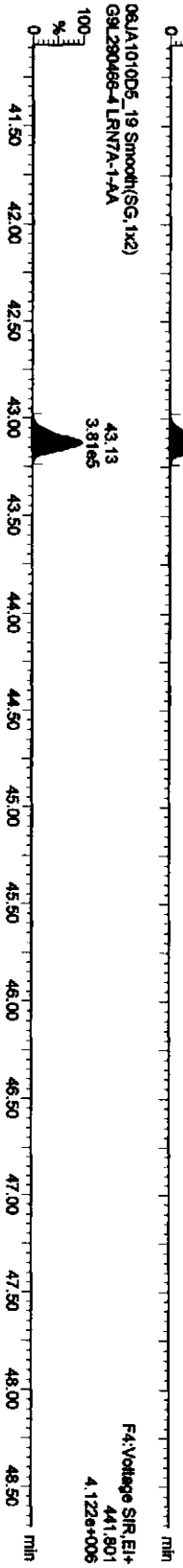
**13C-HPPCBs**



Dataset: C:\MassLynx\Default.pro\06JA1010D51668MSL.qld

Last Altered: Friday, January 08, 2010 10:07:40 AM Pacific Standard Time  
Printed: Friday, January 08, 2010 10:08:45 AM Pacific Standard Time

Name: 06JA1010D5\_19, Date: 07-Jan-2010, Time: 10:35:47, ID: LRN7A-1-AA, Description: G9L290466-4



# **Initial Calibration**

***Includes (as applicable):***

***runlog***

***standard raw data***

***statistical summary***

***ms tune data***

Initial Calibration Checklist  
Methods 1668 and 1614

ICAL ID TCA07162m910DS1668MSL, TCA07162m910DS<sup>1668</sup>MSLDEC

Method ID 1668M Date Scanned \_\_\_\_\_

Column ID DB-5 Instrument ID 10DS

STD ID's ST0716, ST0716A, ST0716B STD Solution 09DXN(-205, -206, -207, -208, -209  
ST0716C, ST0716D

GC Program 1668m10DS Multiplier Setting 350

Analyzed By SMA Date Analyzed 7-16-09

Prepared By SMA Date Prepared 7-21-09

Reviewed By AM Date Reviewed 7-21-09

Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*PCB: %RSD not to exceed ±20% for toxic and/or window defining natives (LOC natives.). All other unlabeled compounds should not exceed ±30%, per QA. If LOC Natives do not have a corresponding internal standard in the same functional group, some variation may be expected, and data would require assessment for impact. Labeled compounds not to exceed ±40%; S/N ≥ 2.5

1614 : %RSD not to exceed ±20% for natives and ±35% for labeled analytes except 13C-BDE-209 which is not to exceed 100%RSD; S/N ≥ 2.5

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:45:37 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-PeCB-101	12419.42300	552.43115	4.44812
2				
3	13C-TeCB-81	1.03984	0.01876	1.80442
4	TeCB-81	1.45839	0.09101	6.24018
5	13C-TeCB-77	1.10430	0.02395	2.16846
6	TeCB-77	1.27458	0.03295	2.58481
7				
8	13C-PeCB-123	0.99324	0.02725	2.74393
9	PeCB-123	1.50539	0.08455	5.61640
10	13C-PeCB-118	1.02377	0.01763	1.72210
11	PeCB-118/106	1.52582	0.06945	4.55167
12	13C-PeCB-114	1.03691	0.02519	2.42948
13	PeCB-114	1.58926	0.05740	3.61197
14	13C PeCB-105	0.98151	0.01958	1.99471
15	PeCB-105/127	1.43326	0.05014	3.49836
16	13C-PeCB-126	1.02999	0.02184	2.12049
17	PeCB-126	1.15582	0.04646	4.01955
18				
19	13C-OcCB-202	14106.20925	642.22167	4.55276
20				
21	13C-HxCB-167	1.00247	0.01721	1.71682
22	HxCB-167	1.34796	0.06034	4.47618
23	13C-HxCB-156	0.78510	0.01507	1.91900
24	HxCB-156	1.68840	0.05542	3.28237
25	13C-HxCB-157	0.83526	0.01601	1.91658
26	HxCB-157	1.65965	0.05667	3.41485
27	13C-HxCB-169	0.87128	0.02462	2.82576
28	HxCB-169	1.09832	0.02559	2.33030
29				
30	13C-HpCB-180	0.68403	0.01367	1.99870
31	HpCB-180	1.30035	0.04355	3.34919
32	13C-HpCB-170	0.54773	0.01278	2.33274
33	HpCB-170	1.61501	0.04613	2.85608
34	13C-HpCB-189	0.69767	0.02417	3.46390
35	HpCB-189	1.23073	0.02024	1.64439
36				
37	13C-DeCB-209	0.55323	0.00785	1.41876
38	DeCB-209	1.31861	0.03844	2.91546
39				
40	13C-PeCB-111	1.30483	0.02157	1.65345
41				
42	Function 3 PFK			
43	Function 4 PFK			
44	Function 5 PFK			



Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1668MSLDEC10DB5.mdb 27 Aug 2009 16:34:19

Calibration: C:\MassLynx\Default.pro\Curvedb\ICA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

#	Name	Trace	RT	Std. Conc.	Response	RRF	Ratio (Act.)	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.89	100.0	1238504	12385....	0.623	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1303558	1.05253	0.781	NO	
4	TeCB-81	289.922	33.82	1.0	17272	1.32496	0.713	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1366661	1.10348	0.785	NO	
6	TeCB-77	289.922	34.52	1.0	17201	1.25859	0.692	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.15	100.0	1250798	1.00993	0.630	NO	
9	PeCB-123	323.883	36.18	1.0	17822	1.42486	0.649	NO	
10	13C-PeCB-118	335.924	36.31	100.0	1303385	1.05239	0.638	NO	
11	PeCB-118/106	323.883	36.35	1.0	18785	1.44126	0.590	NO	
12	13C-PeCB-114	335.924	37.10	100.0	1308817	1.05677	0.632	NO	
13	PeCB-114	323.883	37.14	1.0	19667	1.50269	0.608	NO	
14	13C PeCB-105	335.924	38.18	100.0	1247364	1.00715	0.630	NO	
15	PeCB-105/127	323.883	38.21	1.0	17028	1.36510	0.857	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1318474	1.06457	0.617	NO	
17	PeCB-126	323.883	40.51	1.0	14763	1.11971	0.612	NO	
18				0.0					
19	13C-OoCB-202	439.804	43.29	100.0	1410958	1.4109...	0.898	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.85	100.0	1437394	1.01874	1.287	NO	
22	HxCB-167	359.841	41.87	1.0	19668	1.36831	1.291	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1133192	0.80314	1.291	NO	
24	HxCB-156	359.841	43.45	1.0	18969	1.67395	1.142	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1209820	0.85745	1.273	NO	
26	HxCB-157	359.841	43.83	1.0	19507	1.61239	1.155	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1280840	0.90778	1.268	NO	
28	HxCB-169	359.841	46.08	1.0	13786	1.07630	1.297	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.59	100.0	985244	0.69828	1.054	NO	
31	HpCB-180	393.803	44.62	1.0	13178	1.33751	1.134	NO	
32	13C-HpCB-170	405.843	46.61	100.0	795719	0.56396	1.060	NO	
33	HpCB-170	393.803	46.64	1.0	12327	1.54915	1.029	NO	
34	13C-HpCB-189	405.843	48.48	100.0	1036343	0.73450	1.048	NO	
35	HpCB-189	393.803	48.50	1.0	12596	1.21545	1.055	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.70	100.0	781754	0.55406	0.704	NO	
38	DeCB-209	495.686	53.72	1.0	9872	1.26276	0.675	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.65	100.0	1685311	1.31074	0.635	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN206

#	Name	Trace	RT	Std. Conc	Response	RRF	Ratio (Act...	Ratio Flag	Mod.Date
1	13C-PeCB-101	335.924	31.90	100.0	1201788	12017....	0.630	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1243046	1.03433	0.797	NO	
4	TeCB-81	289.922	33.83	5.0	87542	1.40851	0.717	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1317969	1.09667	0.797	NO	
6	TeCB-77	289.922	34.52	5.0	81251	1.23297	0.721	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1207195	1.00450	0.620	NO	
9	PeCB-123	323.883	36.18	5.0	84618	1.40190	0.624	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1219974	1.01513	0.633	NO	
11	PeCB-118/108	323.883	36.35	5.0	89482	1.46696	0.646	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1249215	1.03946	0.647	NO	
13	PeCB-114	323.883	37.14	5.0	97586	1.56236	0.602	NO	
14	13C PeCB-105	335.924	38.19	100.0	1174371	0.97719	0.628	NO	
15	PeCB-105/127	323.883	38.21	5.0	82035	1.39708	0.619	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1231019	1.02432	0.623	NO	
17	PeCB-126	323.883	40.54	5.0	67459	1.09599	0.630	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1363855	13638....	0.891	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1360620	0.99763	1.270	NO	
22	HxCB-167	359.841	41.88	5.0	86045	1.26479	1.229	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1065694	0.78138	1.285	NO	
24	HxCB-156	359.841	43.46	5.0	85122	1.59750	1.186	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1123200	0.82355	1.286	NO	
26	HxCB-157	359.841	43.85	5.0	89045	1.58556	1.238	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1168591	0.85683	1.282	NO	
28	HxCB-169	359.841	46.08	5.0	62351	1.06712	1.221	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	925688	0.67873	1.035	NO	
31	HpCB-180	393.803	44.62	5.0	56871	1.22872	1.063	NO	
32	13C-HpCB-170	405.843	46.61	100.0	738016	0.54112	1.062	NO	
33	HpCB-170	393.803	46.64	5.0	58449	1.58394	1.019	NO	
34	13C-HpCB-189	405.843	48.50	100.0	932310	0.68358	1.049	NO	
35	HpCB-189	393.803	48.51	5.0	56109	1.20366	1.059	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	745327	0.54649	0.715	NO	
38	DeCB-209	495.686	53.73	5.0	48235	1.29433	0.711	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.66	100.0	1588090	1.30561	0.634	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

#	Name	Trace	RT	Std. Conc.	Response	RRF	Ratio (Act.)	Ratio Flag	Mod. Date
1	13C-PeCB-101	335.924	31.90	100.0	1175057	11750....	0.634	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.82	100.0	1246212	1.08055	0.801	NO	
4	TeCB-81	289.922	33.83	50.0	930081	1.49265	0.723	NO	
5	13C-TeCB-77	301.963	34.50	100.0	1331423	1.13307	0.804	NO	
6	TeCB-77	289.922	34.52	50.0	847939	1.27373	0.727	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1191088	1.01364	0.643	NO	
9	PeCB-123	323.883	36.18	50.0	929234	1.56031	0.615	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1202953	1.02374	0.631	NO	
11	PeCB-118/106	323.883	36.35	50.0	956194	1.58974	0.625	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1229304	1.04616	0.638	NO	
13	PeCB-114	323.883	37.14	50.0	987405	1.60645	0.626	NO	
14	13C PeCB-105	335.924	38.19	100.0	1164813	0.99128	0.637	NO	
15	PeCB-105/127	323.883	38.21	50.0	850622	1.46053	0.610	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1208292	1.02828	0.622	NO	
17	PeCB-126	323.883	40.53	50.0	708636	1.17295	0.622	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1332095	13320....	0.897	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1325323	0.99492	1.279	NO	
22	HxCB-167	359.841	41.88	50.0	929401	1.40253	1.238	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1039105	0.78005	1.292	NO	
24	HxCB-156	359.841	43.46	50.0	895990	1.72454	1.227	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1109688	0.83304	1.283	NO	
26	HxCB-157	359.841	43.85	50.0	943304	1.70012	1.230	NO	
27	13C-HxCB-169	371.882	46.06	100.0	1146831	0.86092	1.284	NO	
28	HxCB-169	359.841	46.08	50.0	635680	1.10859	1.243	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	926647	0.69563	1.034	NO	
31	HpCB-180	393.803	44.62	50.0	599373	1.29364	1.027	NO	
32	13C-HpCB-170	405.843	46.62	100.0	725228	0.54443	1.045	NO	
33	HpCB-170	393.803	46.64	50.0	598461	1.65041	1.043	NO	
34	13C-HpCB-189	405.843	48.50	100.0	930603	0.69860	1.043	NO	
35	HpCB-189	393.803	48.51	50.0	575970	1.23784	1.038	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	733459	0.55061	0.704	NO	
38	DeCB-209	495.686	53.73	50.0	494787	1.34919	0.691	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.67	100.0	1595890	1.33070	0.629	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qid

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

#	Name	Trace	RT	Std Conc	Response	RRF	Ratio (Act)	Ratio Flag	Mod Date
1	13C-PeCB-101	335.924	31.89	100.0	1295333	12953....	0.633	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1310582	1.01177	0.780	NO	
4	TeCB-81	289.922	33.82	200.0	3974320	1.51624	0.742	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1385538	1.06964	0.794	NO	
6	TeCB-77	289.922	34.52	200.0	3662737	1.32177	0.723	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1226579	0.94692	0.628	NO	
9	PeCB-123	323.883	36.18	200.0	3838855	1.56486	0.620	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1301955	1.00511	0.639	NO	
11	PeCB-118/106	323.883	36.35	200.0	4007006	1.53884	0.615	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1288568	0.99323	0.644	NO	
13	PeCB-114	323.883	37.14	200.0	4203276	1.63352	0.617	NO	
14	13C PeCB-105	335.924	38.18	100.0	1235972	0.95417	0.624	NO	
15	PeCB-105/127	323.883	38.21	200.0	3603788	1.45788	0.623	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1300506	1.00399	0.625	NO	
17	PeCB-126	323.883	40.52	200.0	3074213	1.18193	0.615	NO	
18				0.0					
19	13C-OcCB-202	439.804	43.31	100.0	1460108	14601....	0.903	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1431091	0.98013	1.291	NO	
22	HxCB-167	359.841	41.88	200.0	3738452	1.30615	1.233	NO	
23	13C-HxCB-156	371.882	43.43	100.0	1116476	0.76465	1.290	NO	
24	HxCB-156	359.841	43.46	200.0	3830700	1.71553	1.223	NO	
25	13C-HxCB-157	371.882	43.82	100.0	1194057	0.81779	1.280	NO	
26	HxCB-157	359.841	43.85	200.0	4035042	1.68964	1.232	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1236150	0.84662	1.277	NO	
28	HxCB-169	359.841	46.06	200.0	2788716	1.12796	1.245	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	970265	0.86452	1.045	NO	
31	HpCB-180	393.803	44.62	200.0	2544786	1.31139	1.039	NO	
32	13C-HpCB-170	405.843	46.61	100.0	776807	0.53202	1.059	NO	
33	HpCB-170	393.803	46.64	200.0	2565555	1.65135	1.038	NO	
34	13C-HpCB-189	405.843	48.48	100.0	978294	0.87001	1.033	NO	
35	HpCB-189	393.803	48.51	200.0	2441050	1.24761	1.041	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	801083	0.54865	0.706	NO	
38	DeCB-209	495.686	53.73	200.0	2145217	1.33895	0.696	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.65	100.0	1659357	1.30626	0.623	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Dataset: C:\MassLynx\Default.pro\ICA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:48:51 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

#	Name	Trace	RT	Std. Conc.	Response	RRF	Ratio (Act.)	Ratio Flag	Mod Date
1	13C-PeCB-101	335.924	31.90	100.0	1299028	12990...	0.636	NO	
2				0.0					
3	13C-TeCB-81	301.963	33.80	100.0	1351021	1.04002	0.809	NO	
4	TeCB-81	288.922	33.82	500.0	10467538	1.54957	0.737	NO	
5	13C-TeCB-77	301.963	34.49	100.0	1453148	1.11864	0.802	NO	
6	TeCB-77	288.922	34.52	500.0	9342494	1.28583	0.722	NO	
7				0.0					
8	13C-PeCB-123	335.924	36.16	100.0	1287591	0.99120	0.632	NO	
9	PeCB-123	323.883	36.18	500.0	10139770	1.57500	0.616	NO	
10	13C-PeCB-118	335.924	36.33	100.0	1328216	1.02247	0.649	NO	
11	PeCB-118/106	323.883	36.35	500.0	10574689	1.59231	0.621	NO	
12	13C-PeCB-114	335.924	37.12	100.0	1362567	1.04891	0.832	NO	
13	PeCB-114	323.883	37.15	500.0	11181883	1.64130	0.625	NO	
14	13C PeCB-105	335.924	38.19	100.0	1270123	0.97775	0.846	NO	
15	PeCB-105/127	323.883	38.21	500.0	9435282	1.48573	0.621	NO	
16	13C-PeCB-126	335.924	40.51	100.0	1336400	1.02877	0.628	NO	
17	PeCB-126	323.883	40.53	500.0	8075162	1.20849	0.619	NO	
18				0.0					
19	13C-OoCB-202	439.804	43.31	100.0	1486089	14860...	0.895	NO	
20				0.0					
21	13C-HxCB-167	371.882	41.87	100.0	1517183	1.02092	1.289	NO	
22	HxCB-167	359.841	41.88	500.0	10605261	1.39802	1.234	NO	
23	13C-HxCB-156	371.882	43.45	100.0	1183364	0.79629	1.304	NO	
24	HxCB-156	359.841	43.46	500.0	10238996	1.73049	1.242	NO	
25	13C-HxCB-157	371.882	43.83	100.0	1255009	0.84450	1.295	NO	
26	HxCB-157	359.841	43.85	500.0	10733652	1.71053	1.230	NO	
27	13C-HxCB-169	371.882	46.05	100.0	1314059	0.88424	1.276	NO	
28	HxCB-169	359.841	46.08	500.0	7303533	1.11160	1.218	NO	
29				0.0					
30	13C-HpCB-180	405.843	44.61	100.0	1014969	0.68298	1.046	NO	
31	HpCB-180	393.803	44.64	500.0	6752054	1.33049	1.042	NO	
32	13C-HpCB-170	405.843	46.62	100.0	827947	0.55713	1.061	NO	
33	HpCB-170	393.803	46.64	500.0	6789976	1.64019	1.040	NO	
34	13C-HpCB-189	405.843	48.50	100.0	1042716	0.70165	1.045	NO	
35	HpCB-189	393.803	48.51	500.0	6512169	1.24908	1.047	NO	
36				0.0					
37	13C-DeCB-209	507.726	53.72	100.0	841659	0.56638	0.703	NO	
38	DeCB-209	495.686	53.73	500.0	5672044	1.34782	0.701	NO	
39				0.0					
40	13C-PeCB-111	335.924	33.67	100.0	1673672	1.27084	0.628	NO	
41				1.0					
42	Function 3 PFK	380.976		1.0					
43	Function 4 PFK	380.976		1.0					
44	Function 5 PFK	480.970		1.0					

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\16JL0910D5.SPL  
 Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
 Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page 1 of 3

Page Position (1, 1)

File Name	File Text	Sample ID	Meht/Matrix	BOX #	Sample Size	Unit	FV_ul
1 16JL0910D5_1	Solvent Blank C-12	SB0716	--	--	1.000000	--	1.00
2 16JL0910D5_2	CS-1 09DXN205	ST0716	--	--	1.000000	--	1.00
3 16JL0910D5_3	CS-2 09DXN206	ST0716A	--	--	1.000000	--	1.00
4 16JL0910D5_4	CS-3 09DXN207	ST0716B	--	--	1.000000	--	1.00
5 16JL0910D5_5	CS-4 09DXN208	ST0716C	--	--	1.000000	--	1.00
6 16JL0910D5_6	CS-5 09DXN209	ST0716D	--	--	1.000000	--	1.00
7 16JL0910D5_7	Solvent Blank C-12	SB0716A	--	--	1.000000	--	1.00
8 16JL0910D5_8	2nd Source 09DXN196	ST0716E	1668	--	1.000000	--	1.00
9 16JL0910D5_9	CS-3 09DXN207	ST0716F	--	--	1.000000	--	1.00
10 16JL0910D5_10	Solvent Blank C-12	SB0716B	--	--	1.000000	--	1.00
11 16JL0910D5_11	G9G020271-1MB	LF612-1-AAB	1668/SOLID	89	10.000000	g	20
12 16JL0910D5_12	G9G020271-1LCS	LF612-1-ACC	1668/SOLID	--	10.000000	g	20
13 16JL0910D5_13	G9G020271-1	LF16J-1-AC	1668/SOLID	--	10.030000	g	20
14 16JL0910D5_14	G9G020271-2	LF16K-1-AC	1668/SOLID	--	10.075000	g	20
15 16JL0910D5_15	G9G020271-3	LF16L-1-AC	1668/SOLID	--	10.450000	g	20
16 16JL0910D5_16	G9G020275-1	LF162-1-AC	1668/SOLID	--	10.195000	g	20
17 16JL0910D5_17	G9G020275-2	LF166-1-AC	1668/SOLID	--	10.225000	g	20
18 16JL0910D5_18	G9G020275-3	LF168-1-AC	1668/SOLID	--	10.205000	g	20
19 16JL0910D5_19	G9G020275-4	LF169-1-AC	1668/SOLID	--	10.085000	g	20
20 16JL0910D5_20	G9G020280-1	LF172-1-AC	1668/SOLID	--	10.265000	g	20
21 16JL0910D5_21	G9G020280-2	LF174-1-AC	1668/SOLID	--	10.340000	g	20
22 16JL0910D5_22	G9G020280-3	LF176-1-AC	1668/SOLID	--	10.040000	g	20
23 16JL0910D5_23	Solvent Blank C-12	SB0716C	--	--	1.000000	--	1.00

reviewed  
 by  
 ms  
 7/17/09

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampled\b\16JL0910D5.SPL  
 Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
 Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page 2 of 3

Page Position (2, 1)

Bottle	Inj Vol	Sample Type	User	MS File	Inlet File	Conc A	Conc B	Conc C	Conc D
Tray1:1	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:2	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	1	2	100	100
Tray1:3	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	5	10	100	100
Tray1:4	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:5	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	200	400	100	100
Tray1:6	1.000000	Standard	SMA 07-16-09	1668M10D5	1668M10D5	500	1000	100	100
Tray1:7	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:8	1.000000	Analyte	SMA 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:9	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	50	100	100	100
Tray1:10	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---
Tray1:11	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:12	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:13	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:14	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:15	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:16	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:17	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:18	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:19	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:20	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:21	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:22	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	2000	2000
Tray1:23	1.000000	Analyte	SMA, AM 07-16-09	1668M10D5	1668M10D5	---	---	---	---

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\Default.pro\Sampledb\16JL0910D5.SPL  
Last Modified: Thursday, July 16, 2009 21:10:20 Pacific Daylight Time  
Printed: Thursday, July 16, 2009 21:10:32 Pacific Daylight Time

Page 3 of 3

Page Position (3, 1)

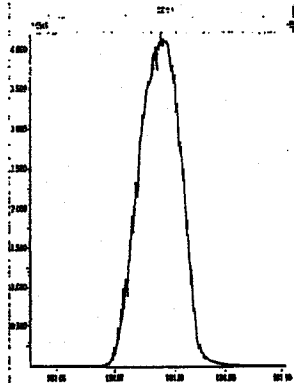
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--	--	--	--
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2000	--	--	--
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2000	--	--	--
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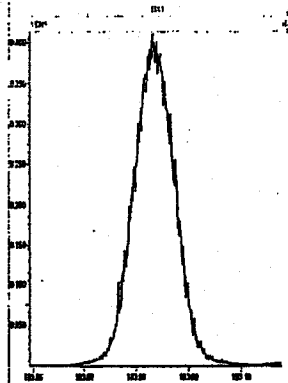
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Printed: Thursday, July 16, 2009 11:39:37 Pacific Daylight Time

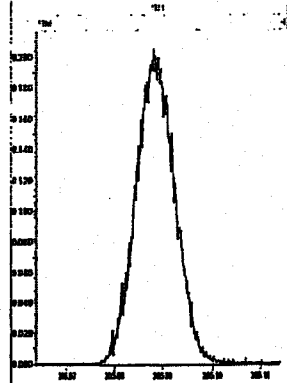
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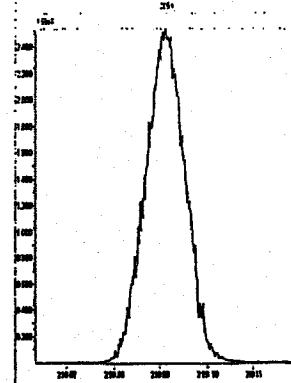
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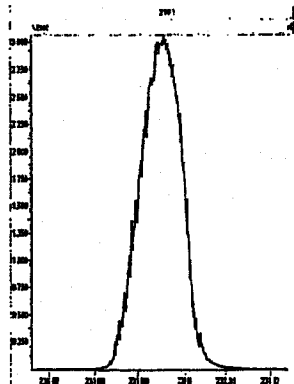
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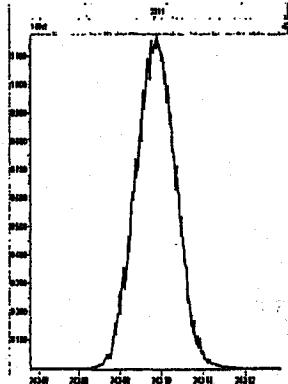
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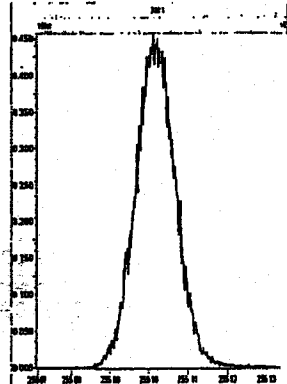
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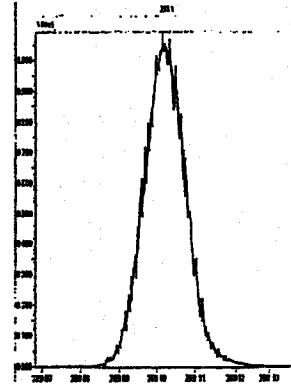
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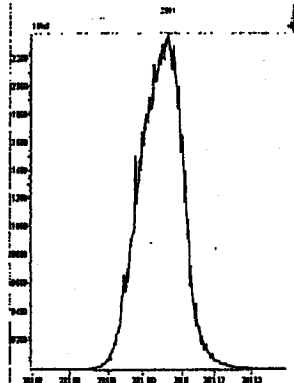
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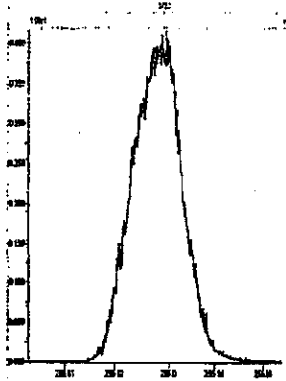
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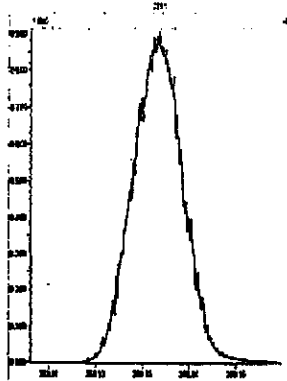
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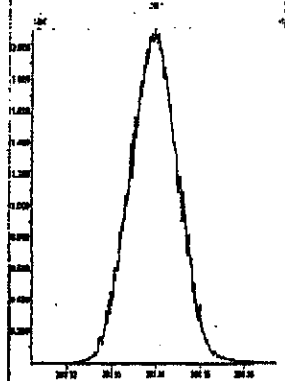
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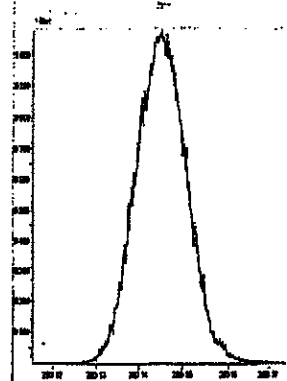
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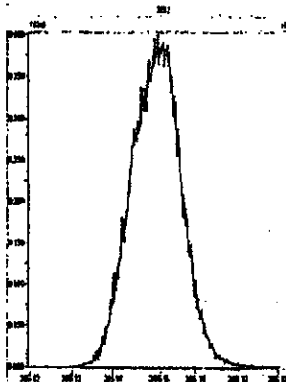
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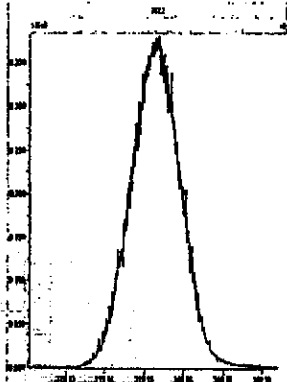
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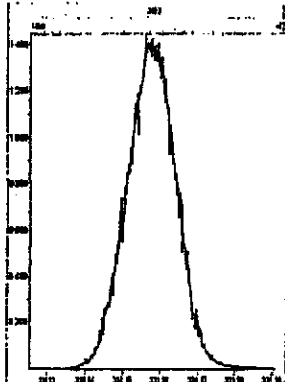
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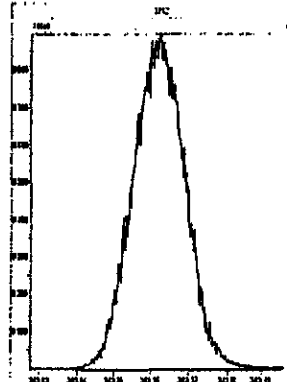
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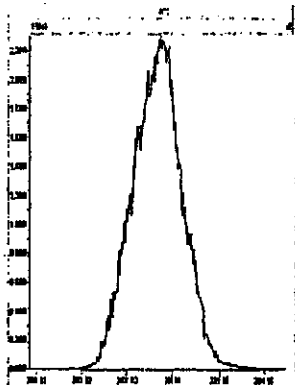
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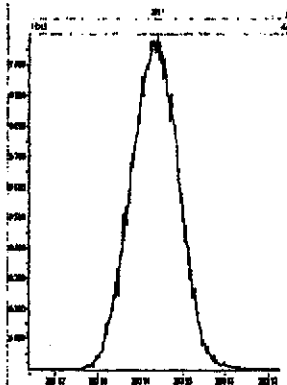
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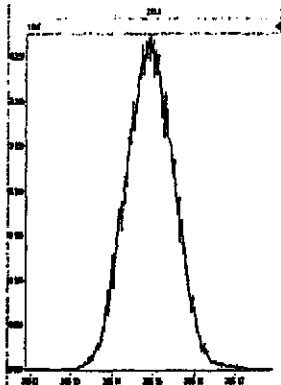
M 280.9824 R 11412



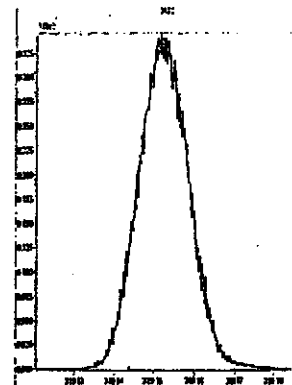
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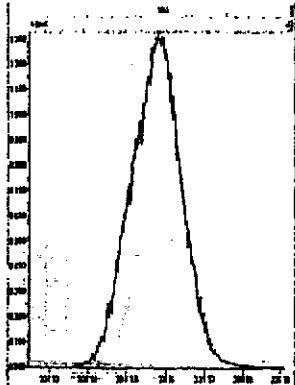
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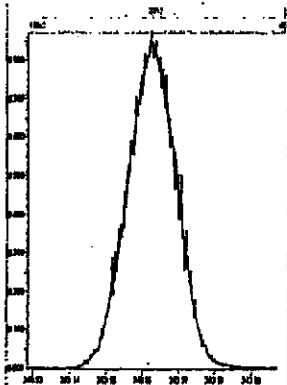
M 318.9792 R 11366



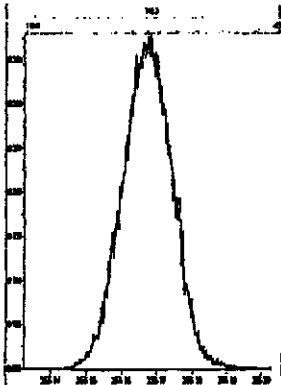
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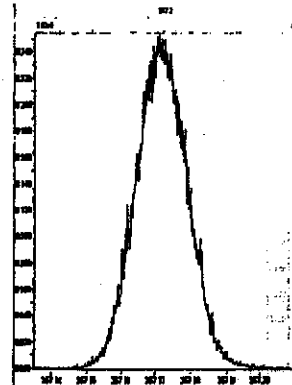
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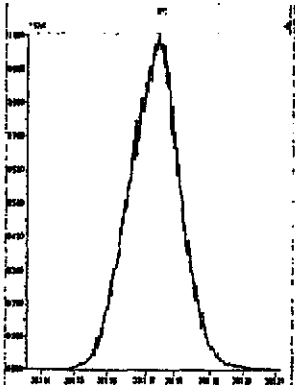
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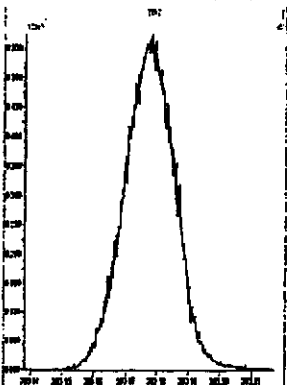
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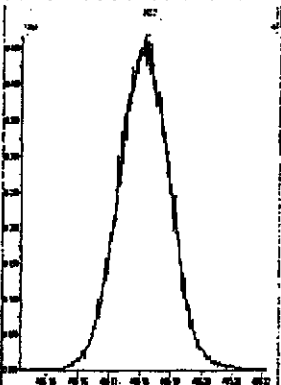
M 380.9760 R 10818



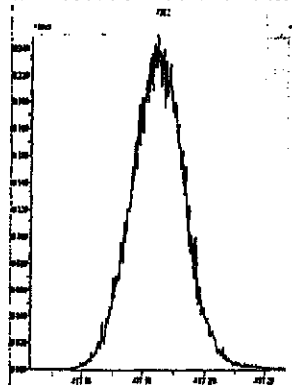
M 392.9760 R 10592



M 404.9760 R 10505



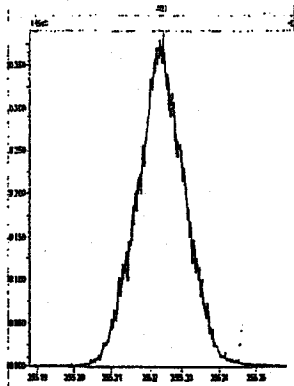
M 416.9760 R 10729 M 380.9760



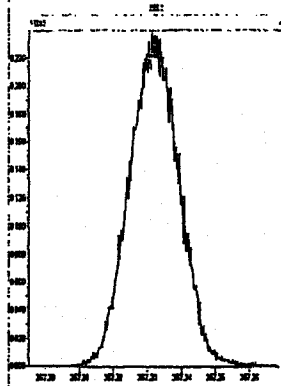
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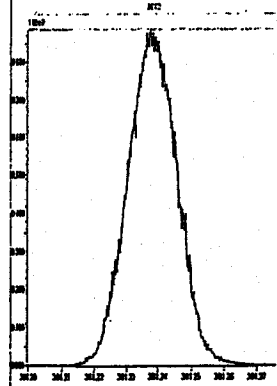
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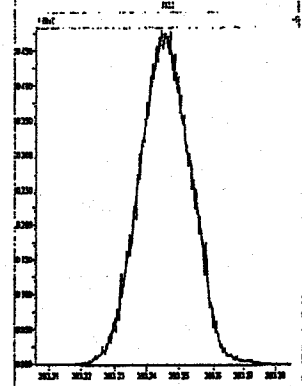
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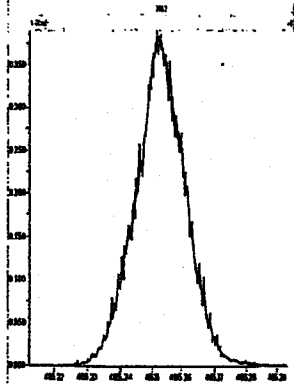
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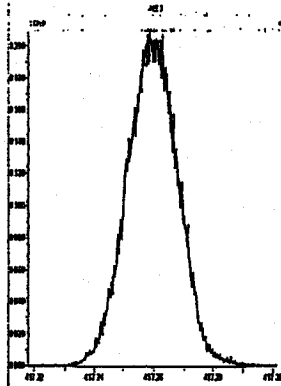
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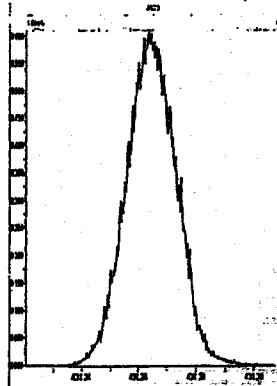
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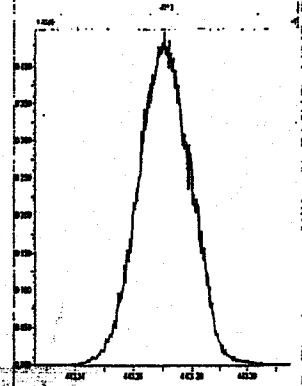
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M 430.9728 R 10918



M 442.9728 R 10917

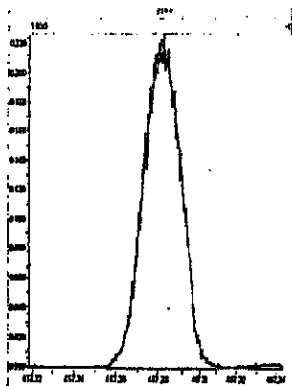


11:34 AM 08/07/09

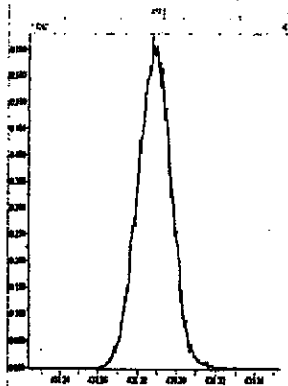
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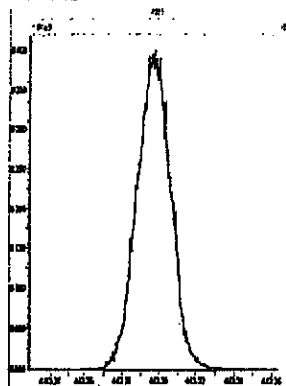
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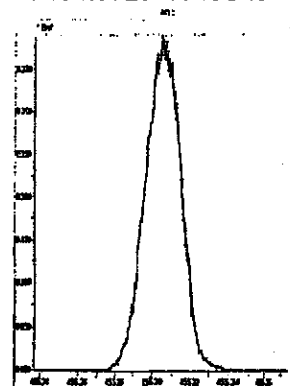
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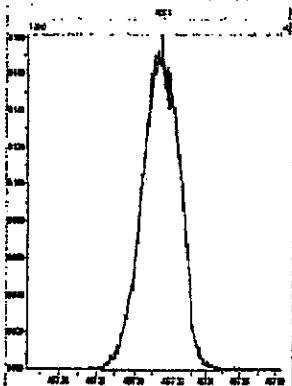
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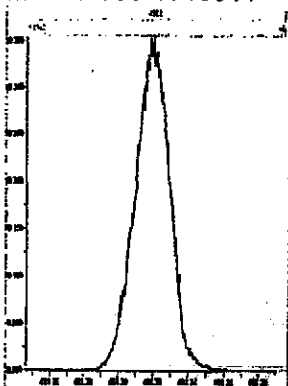
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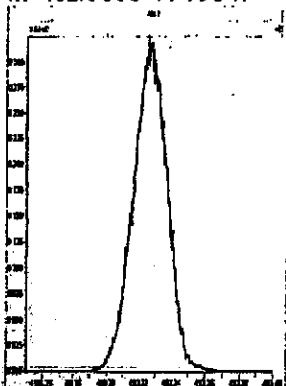
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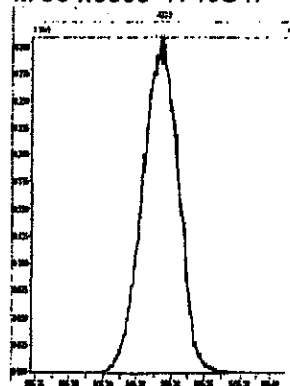
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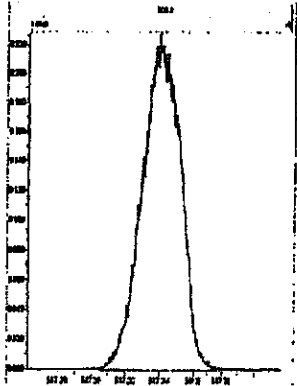
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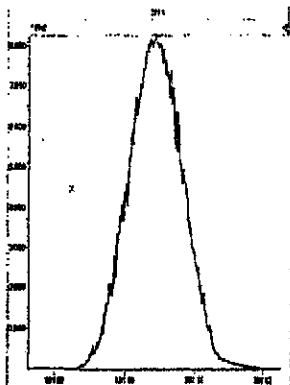
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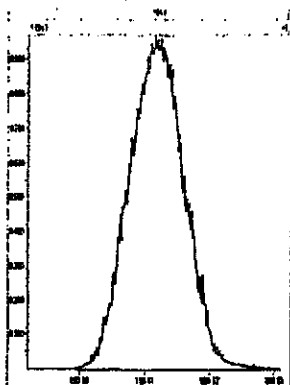
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Printed: Thursday, July 16, 2009 20:24:50 Pacific Daylight Time

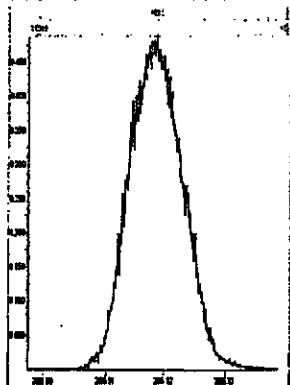
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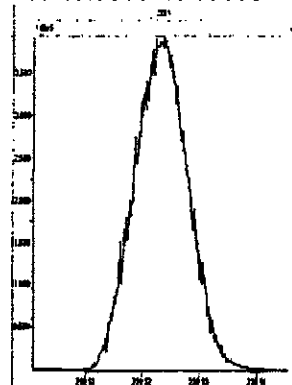
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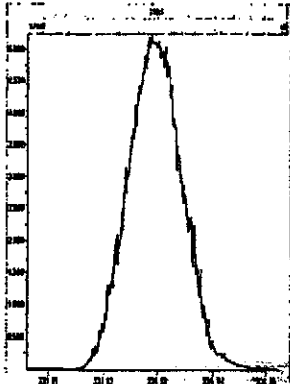
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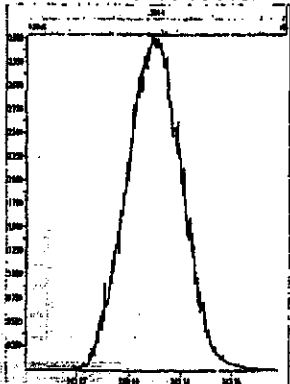
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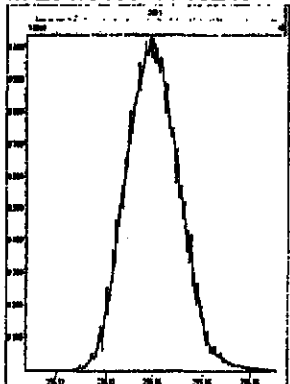
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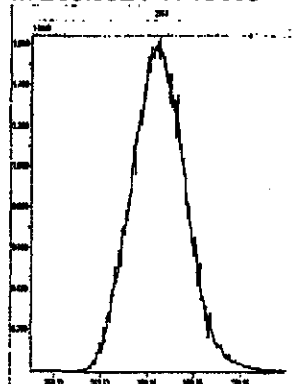
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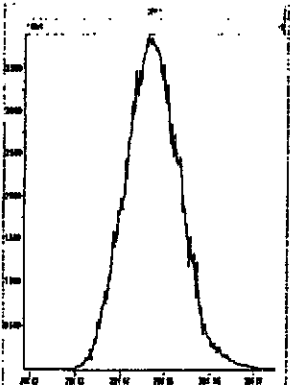
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M 268.9824 R 10039



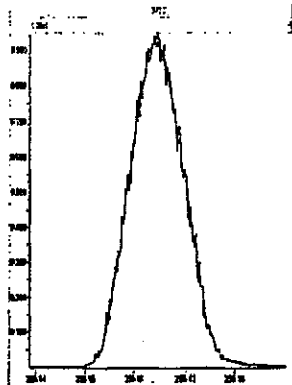
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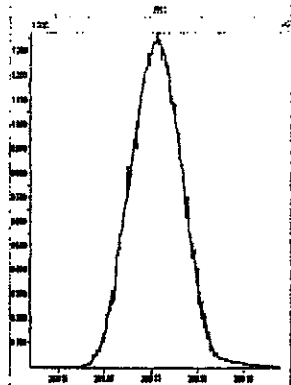
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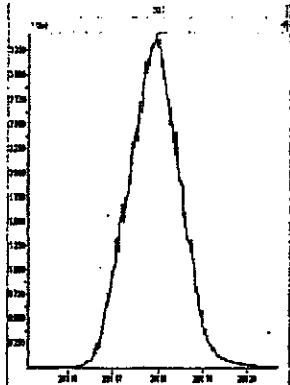
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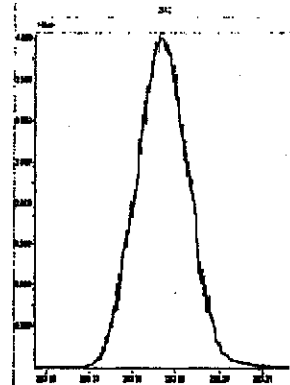
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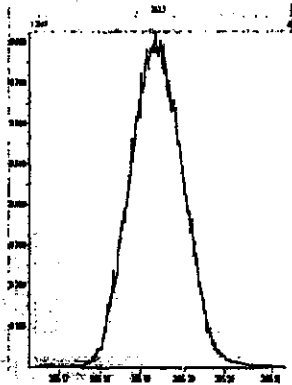
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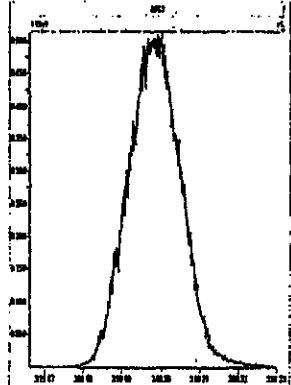
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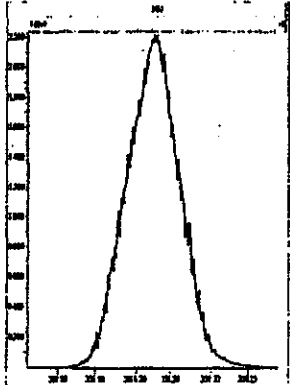
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M 318.9792 R 10592



M 330.9792 R 10872



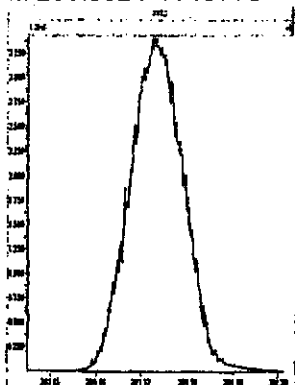
M 342.9792 R 10505



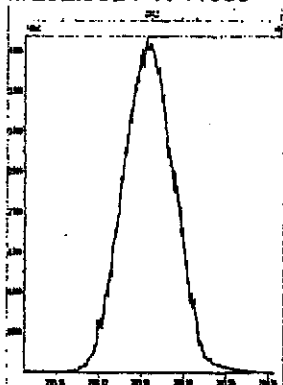
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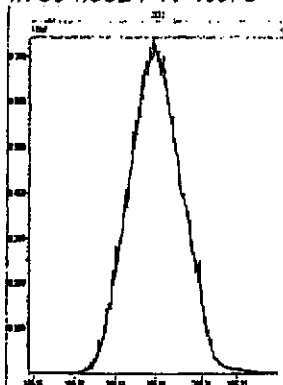
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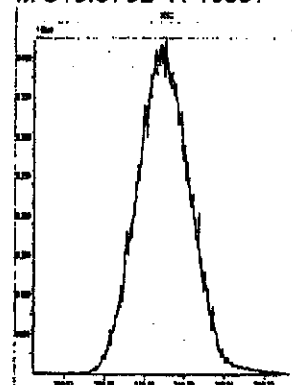
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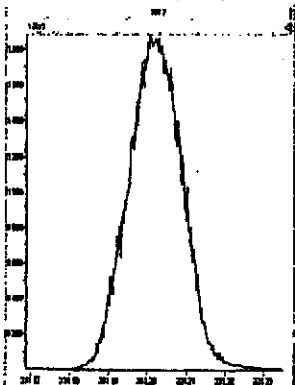
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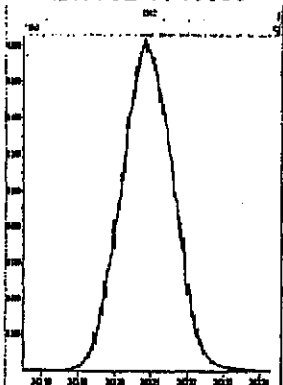
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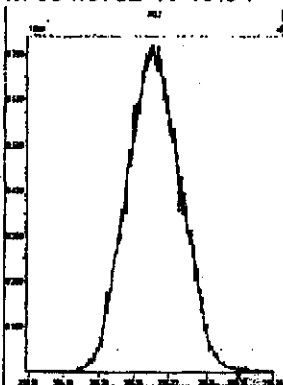
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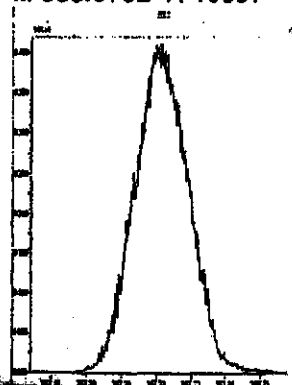
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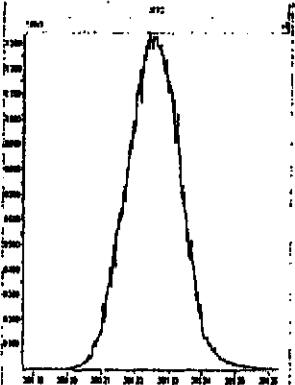
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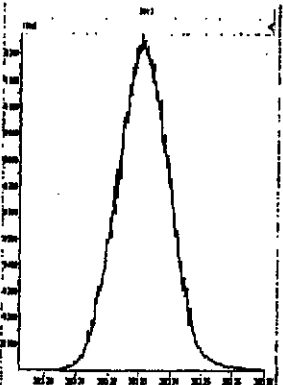
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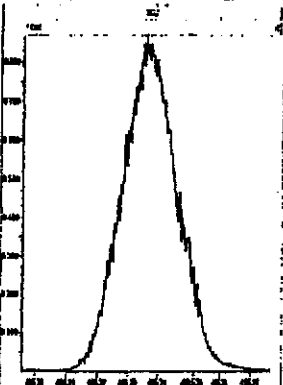
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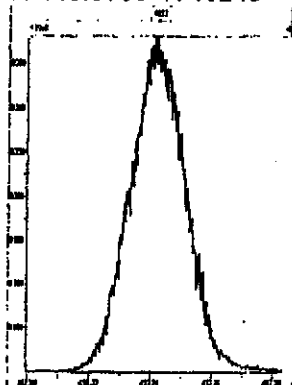
M 392.9760 R 10330



M 404.9760 R 10124



M 416.9760 R 10243

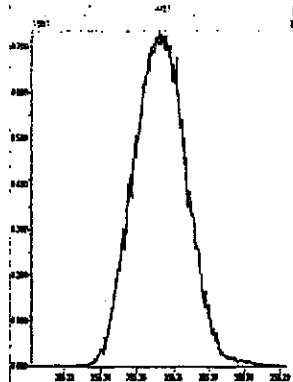




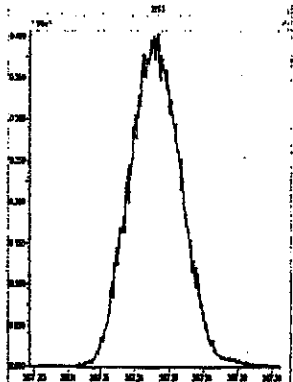
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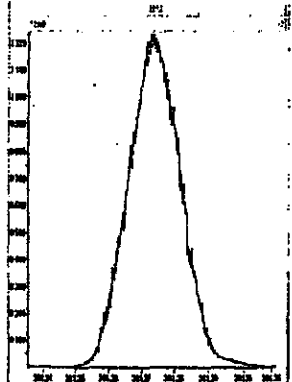
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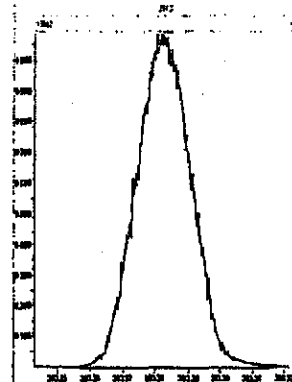
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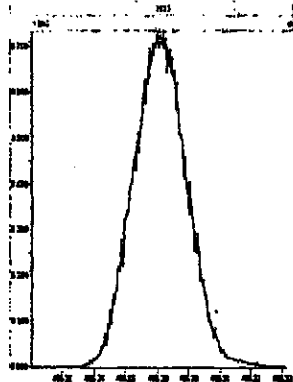
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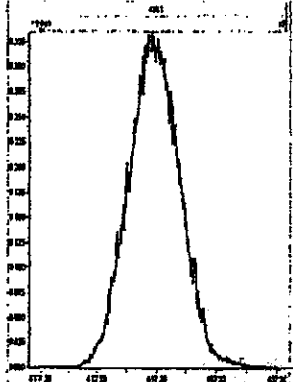
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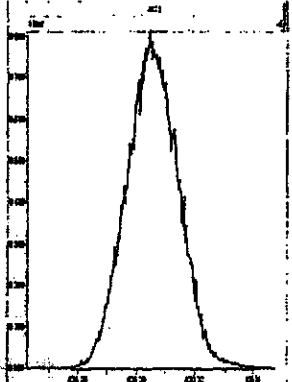
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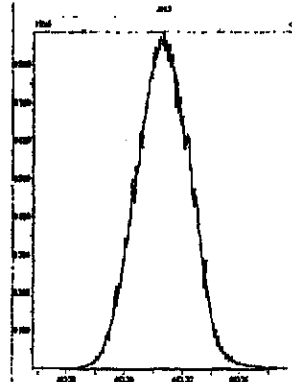
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M 430.9728 R 10415



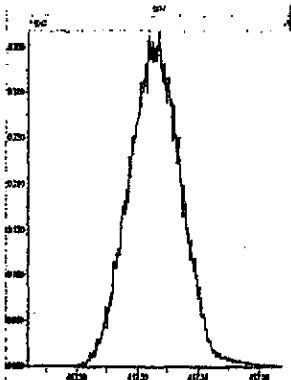
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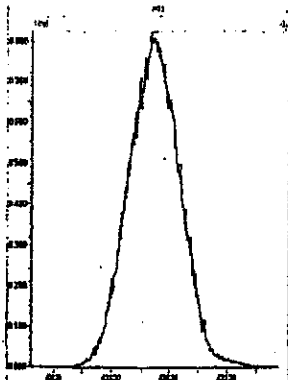
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Printed: Thursday, July 16, 2009 20:34:38 Pacific Daylight Time

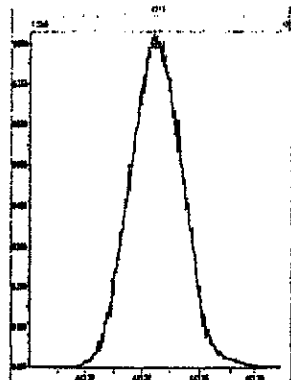
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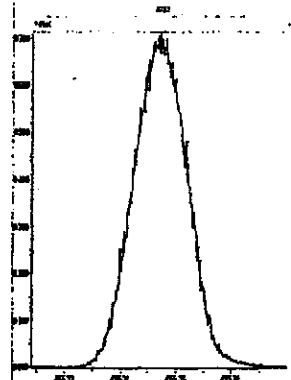
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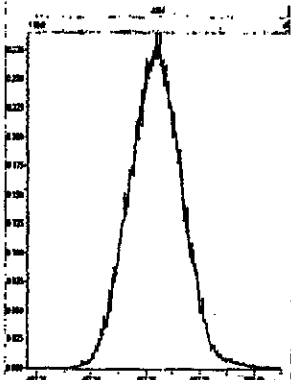
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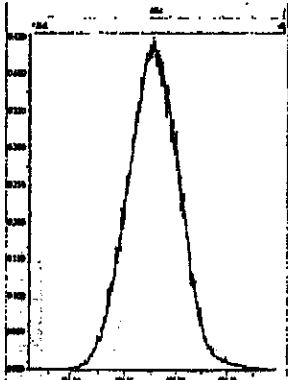
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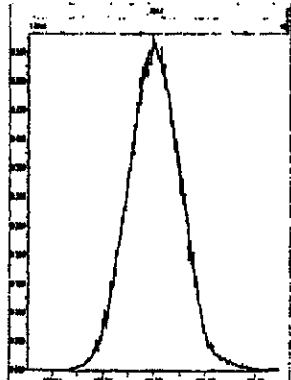
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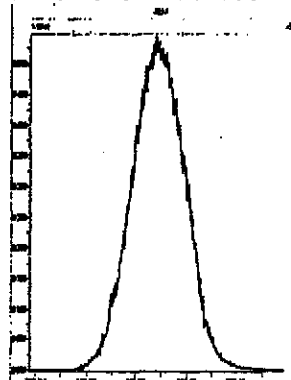
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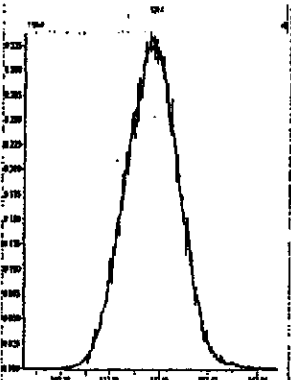
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M 504.9696 R 10638



M 516.9697 R 10206



Quantity Sample Report      MassLynx 4.1

Page 1 of 40

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Last Altered:      Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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Calibration: C:\MassLynx\Default.pro\Curved\CA0716200910D51668MSLDEC.cdb 27 Aug 2009 16:38:53

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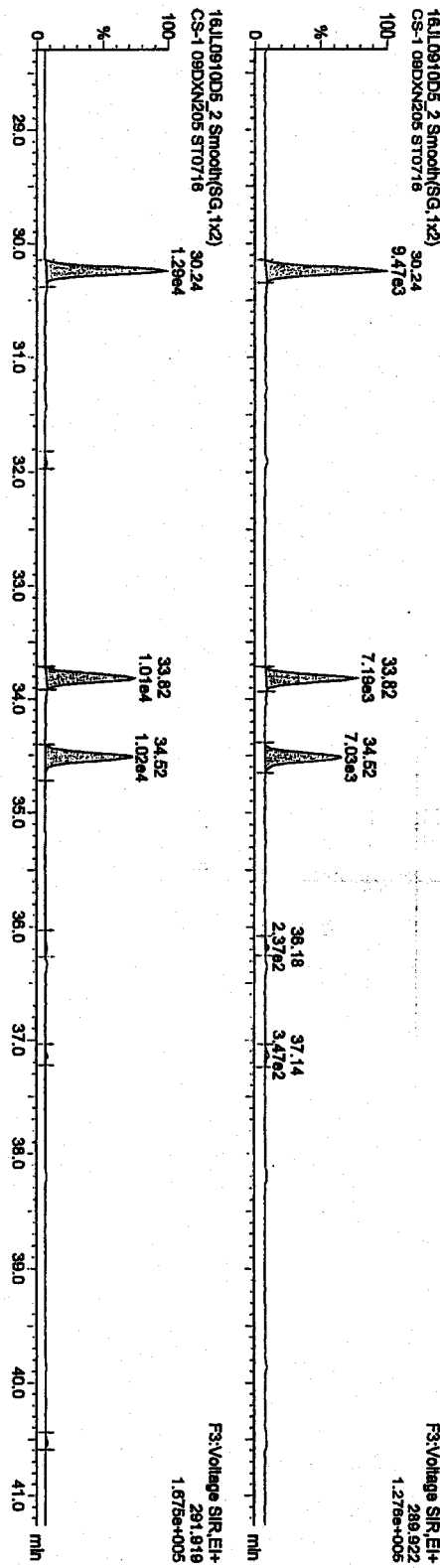
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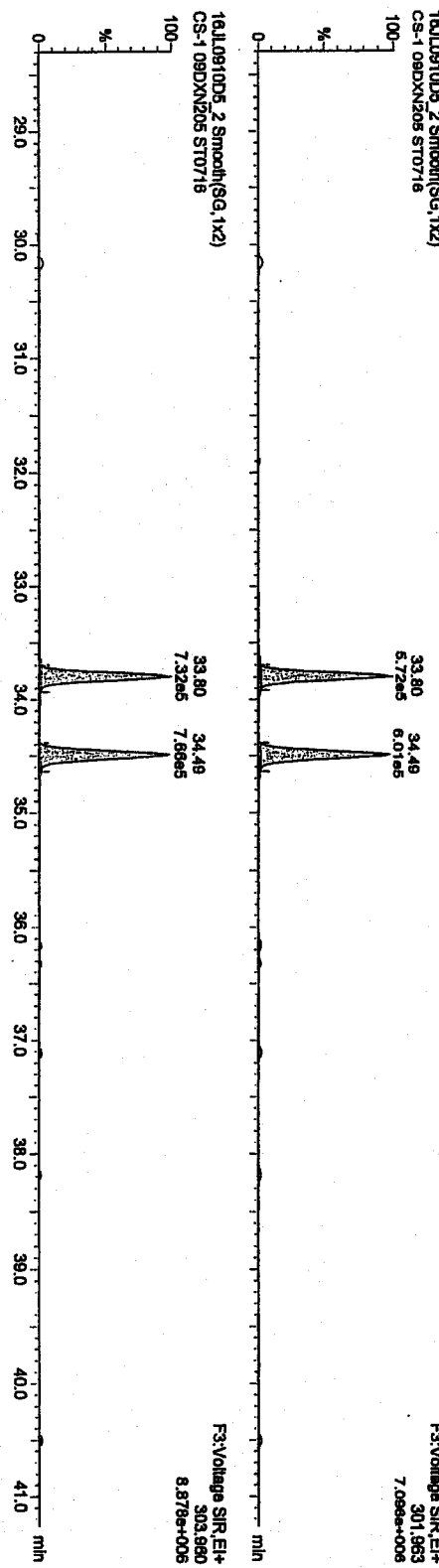
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**TetraPCBs**



**13C-TetraPCBs**

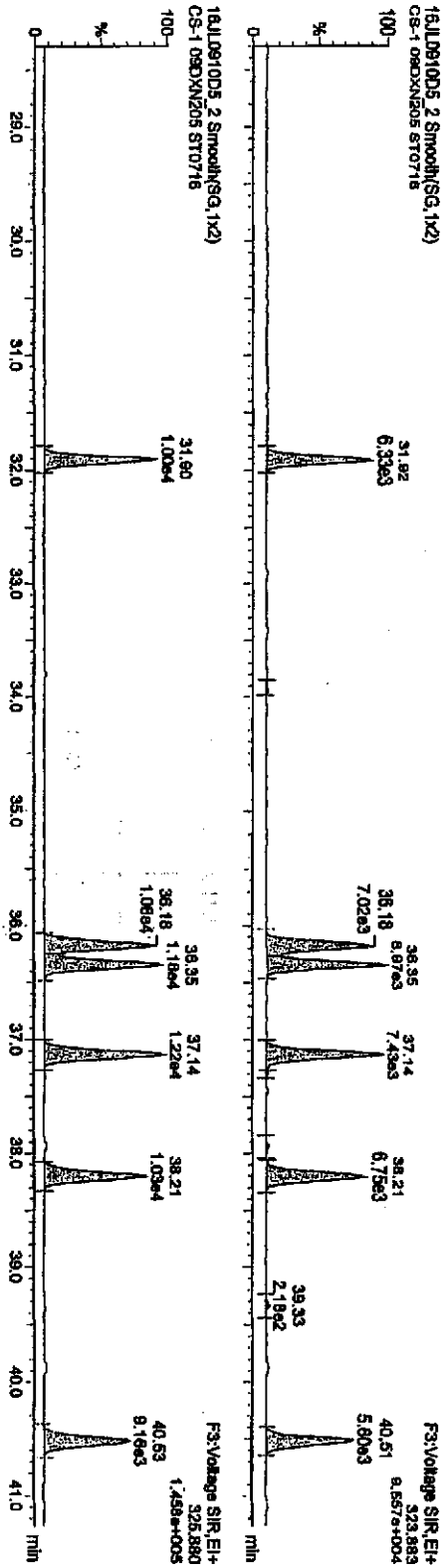


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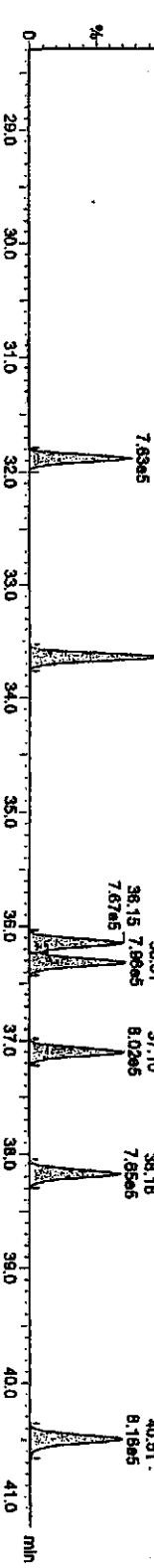
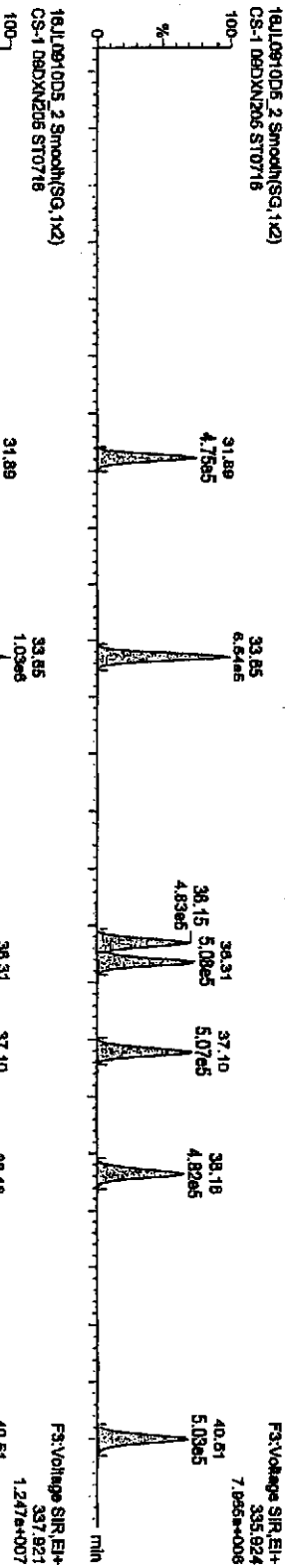
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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PapCBs



13C-PapCBs

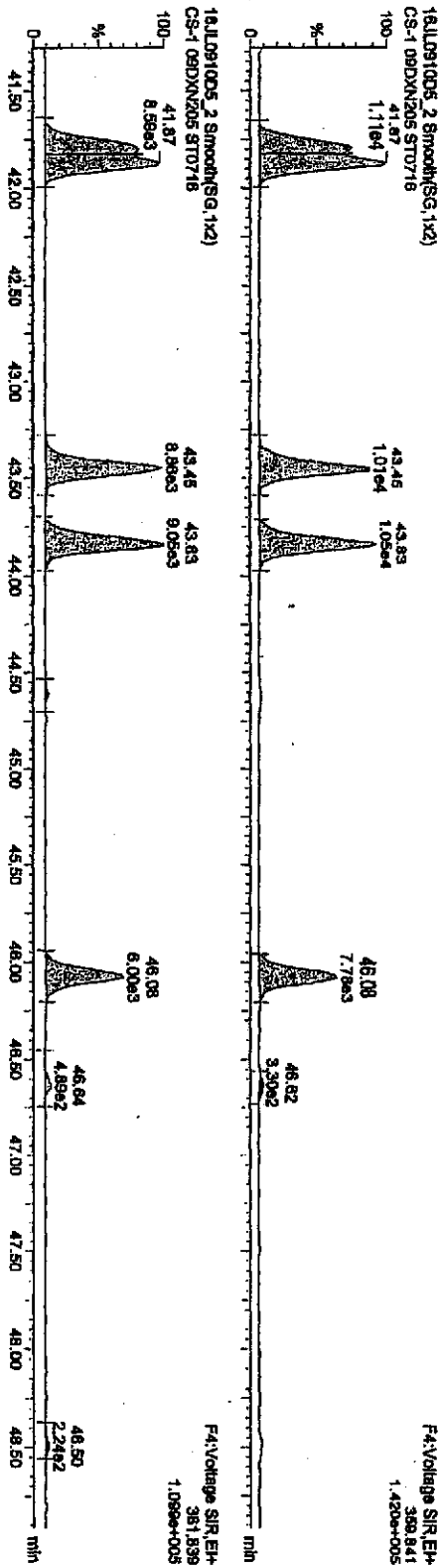


Dataset: C:\MassLynx\Default\pro\CA0716200910D51668MSLDEC.qid

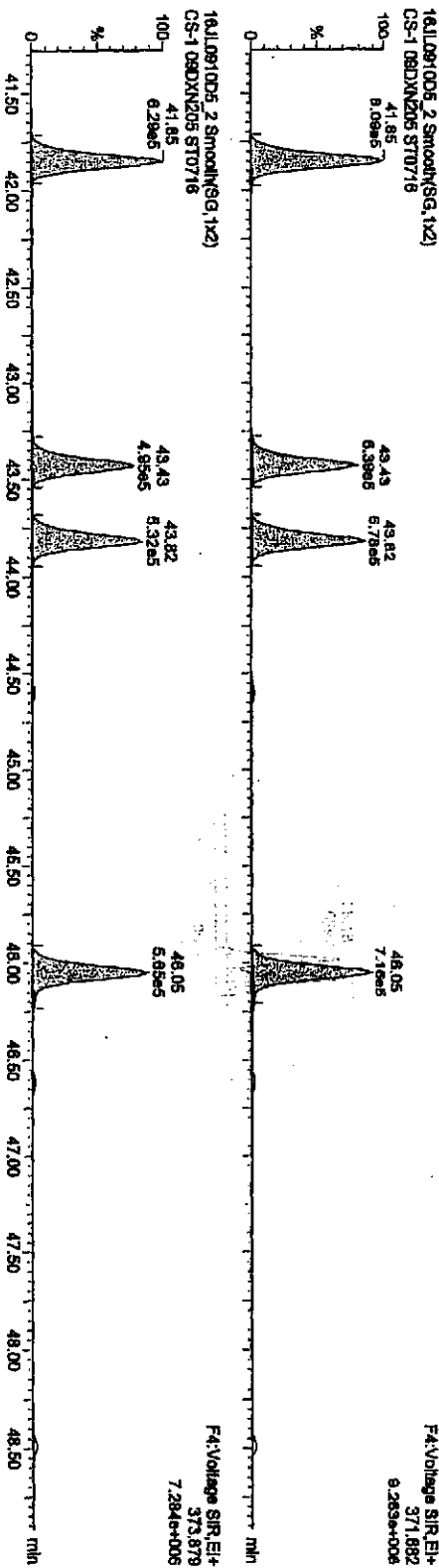
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

HPCBs-



13C-HPCBs

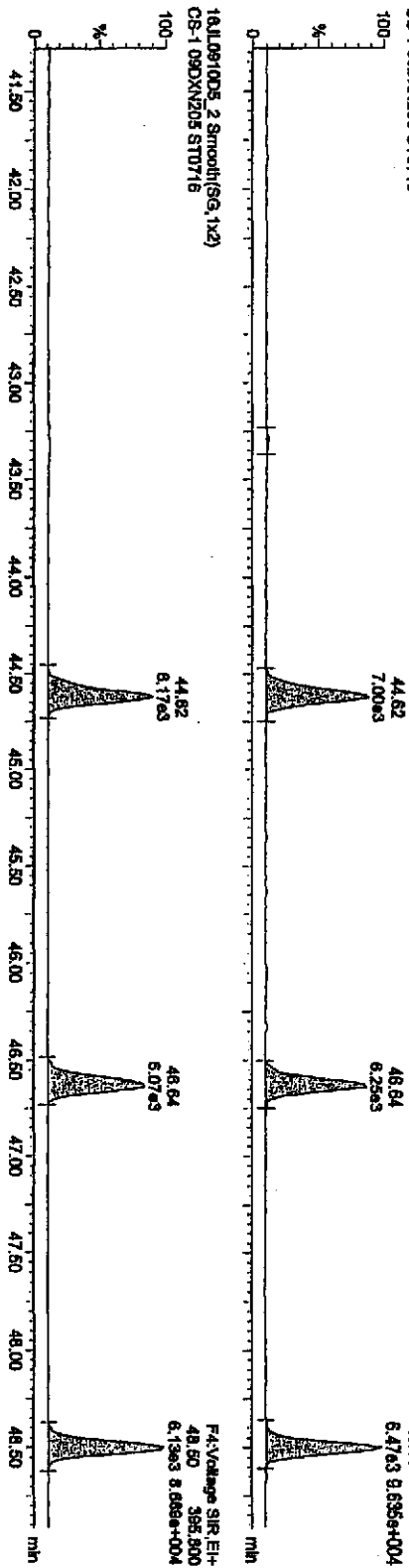


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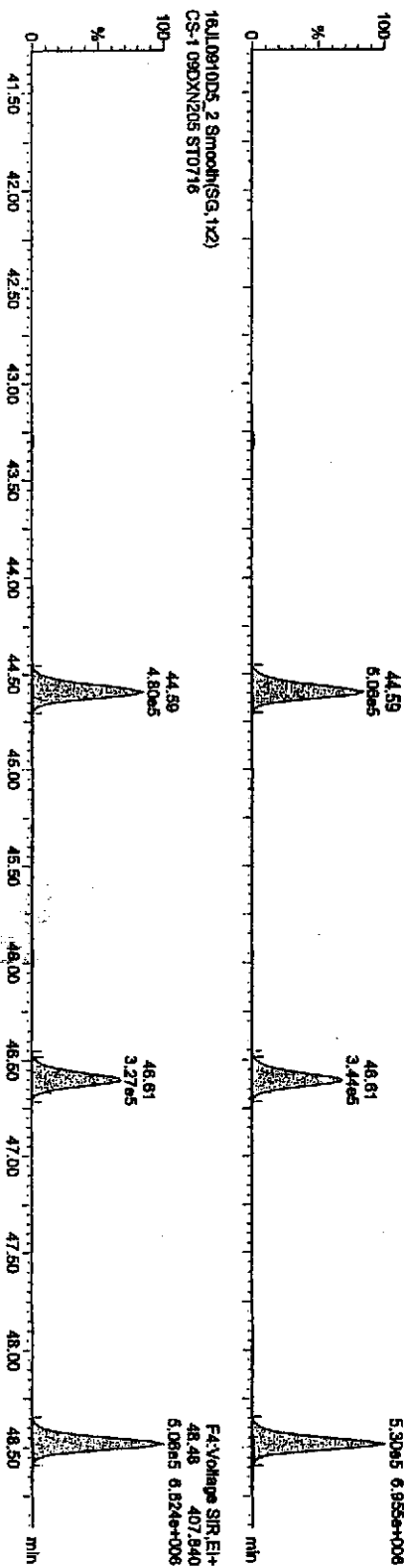
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HPLC  
16LJL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



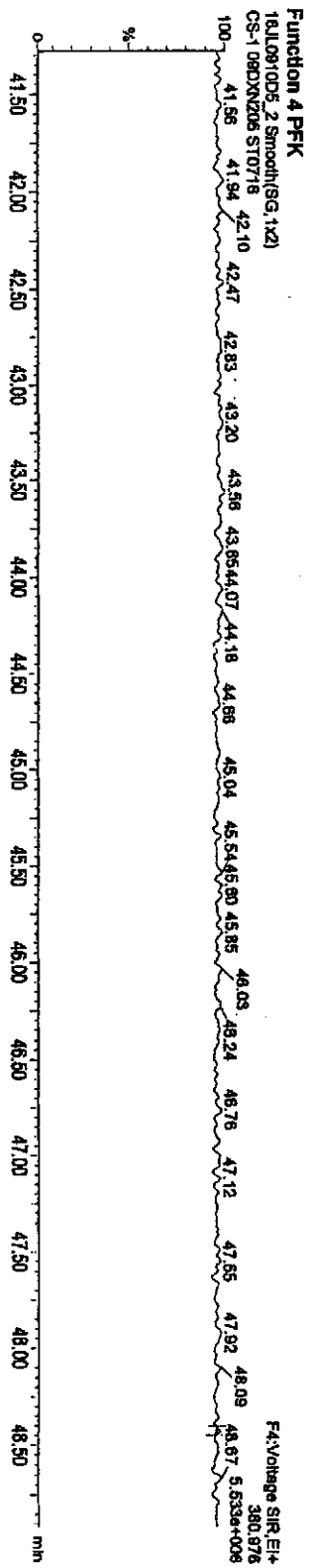
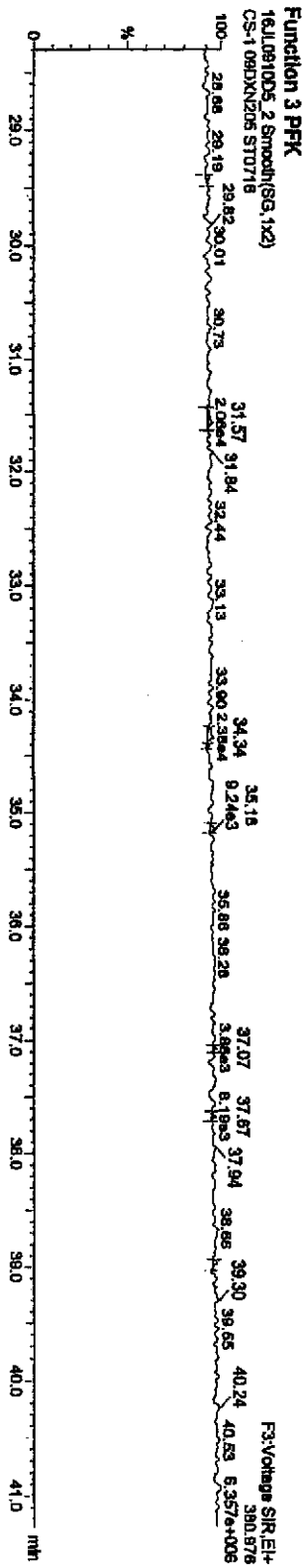
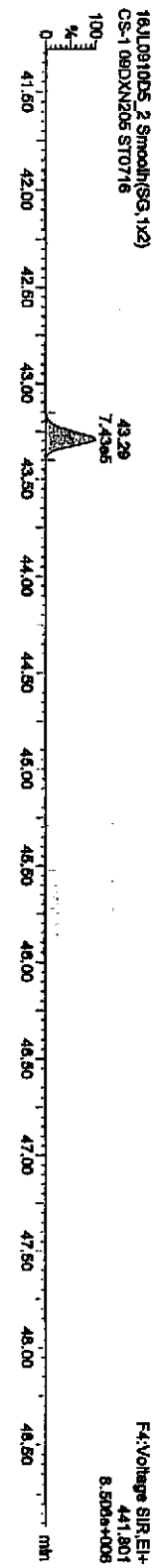
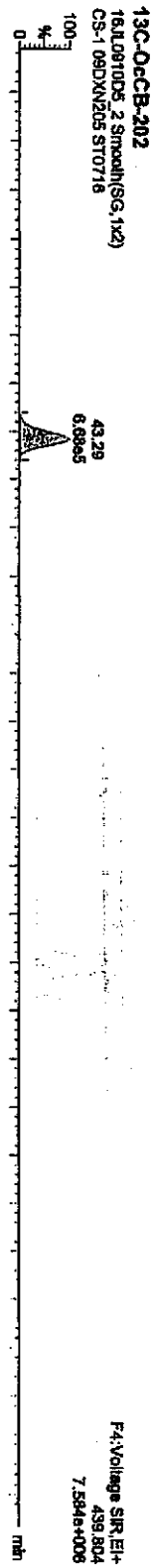
13C-HPLC  
16LJL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



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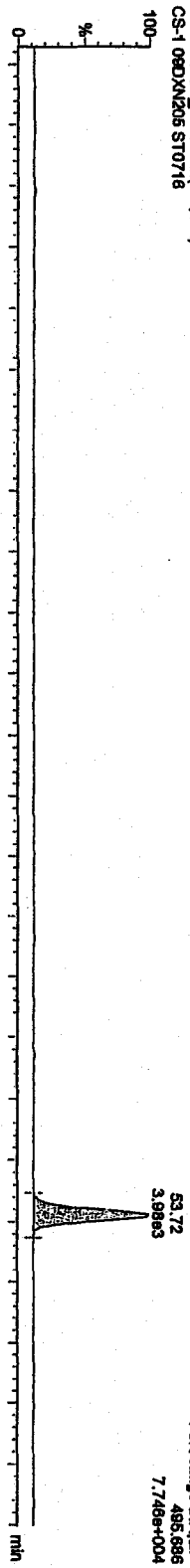
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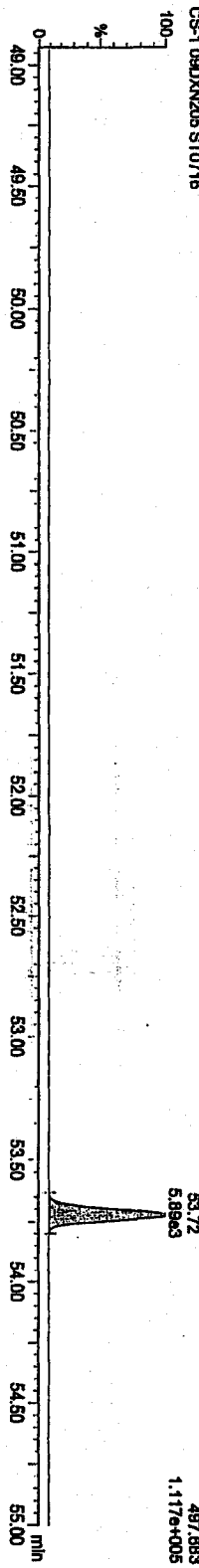
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DecB-209

16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716

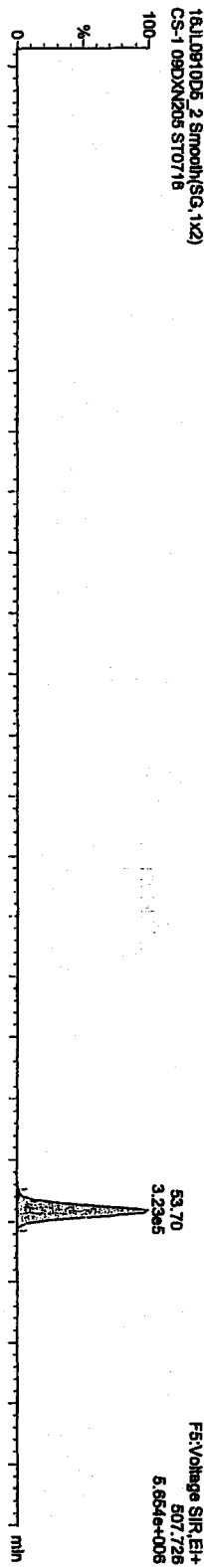


16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716

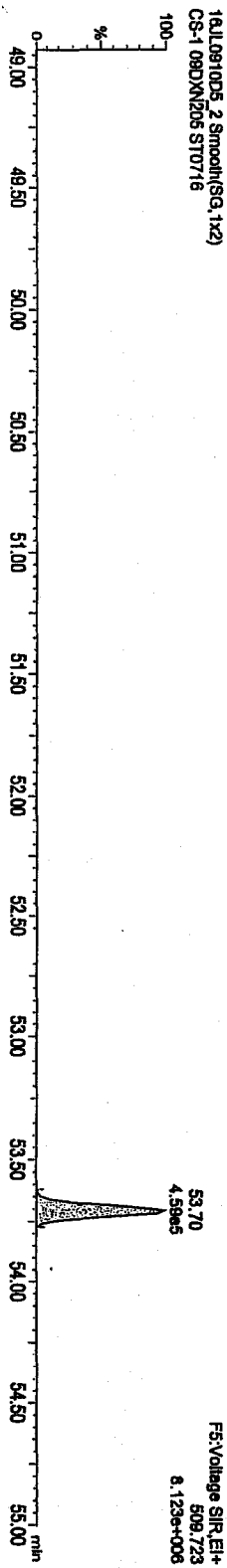


13C-DecB-209

16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



16JUL0910D5\_2 Smooth(SG, 1x2)  
CS-1 09DXN205 ST0716



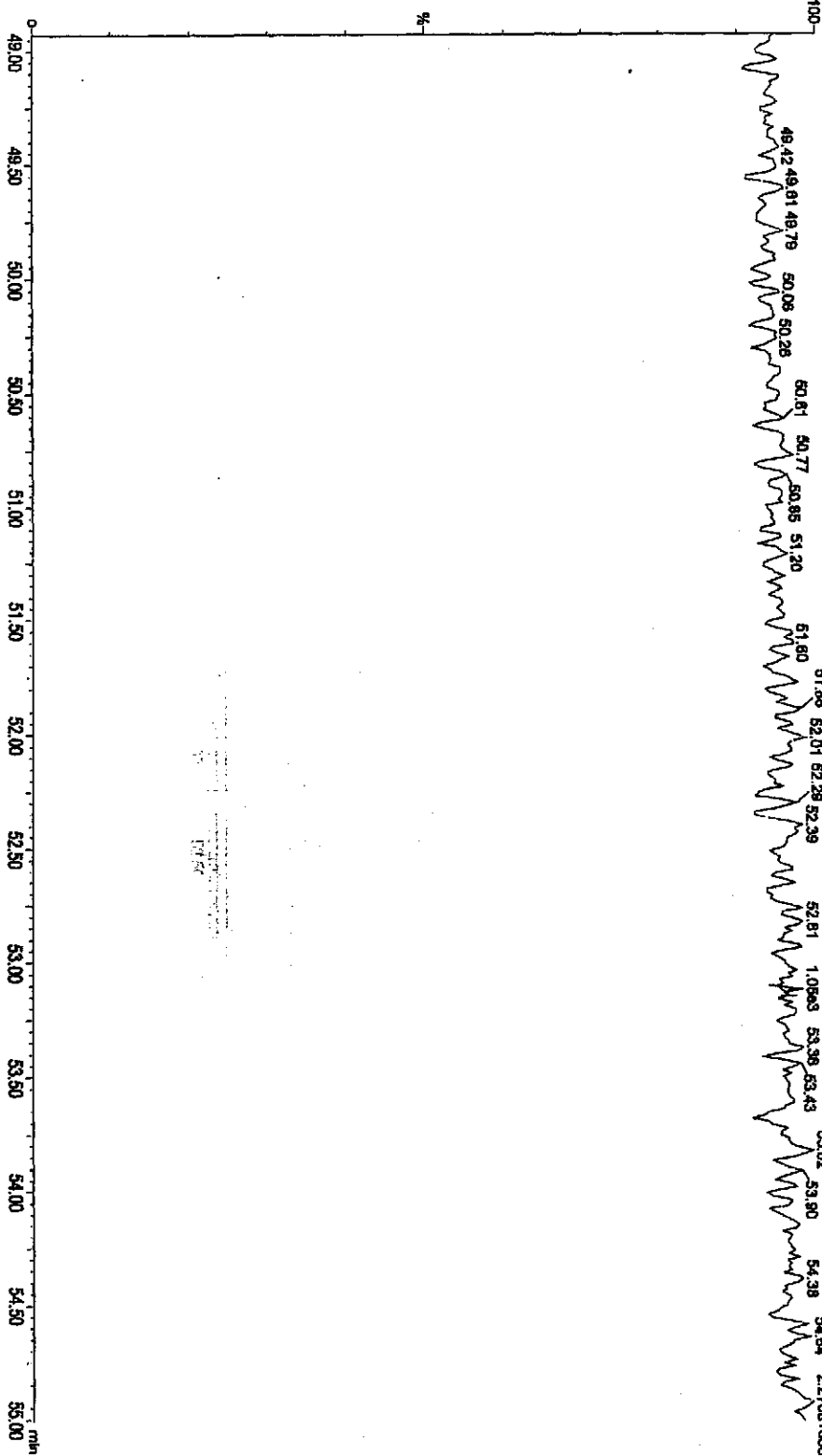
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_2, Date: 16-Jul-2009, Time: 12:44:58, ID: ST0716, Description: CS-1 09DXN205

Function 6 PFK  
16JUL0910D5\_2.Smpch(SG, 1x2)  
CS-1 09DXN205 ST0716



Quantity Sample Report      MassLynx 4.1

Page 9 of 40

Dataset:      C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qtd

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Printed:      Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

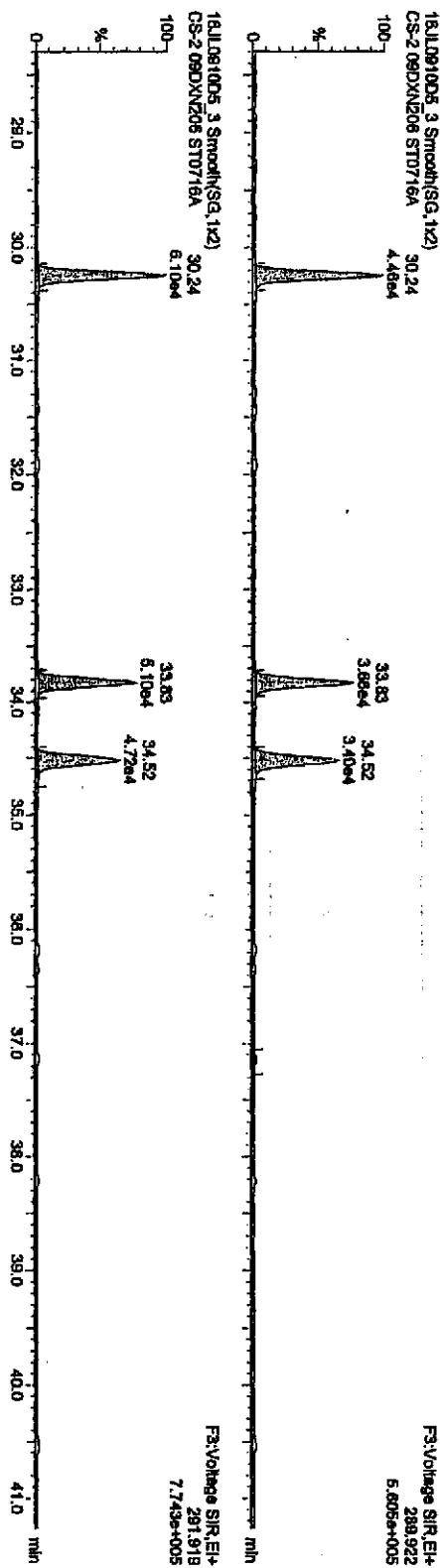
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Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSI\DEC.qid

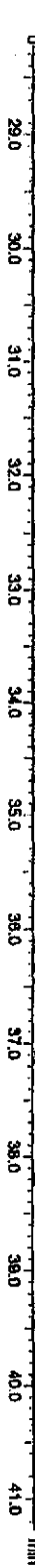
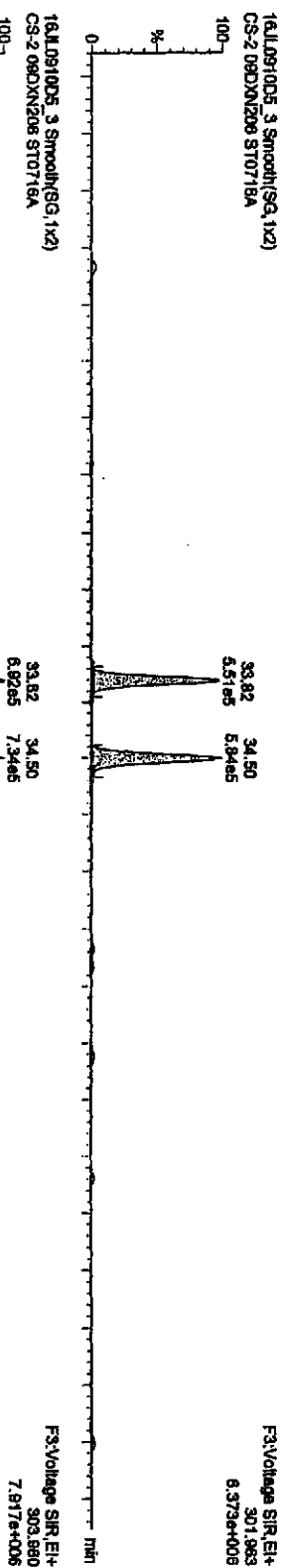
Last Altered: Thursday, August 27, 2009 16:36:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

TetraPCBs



13C-TetraPCBs

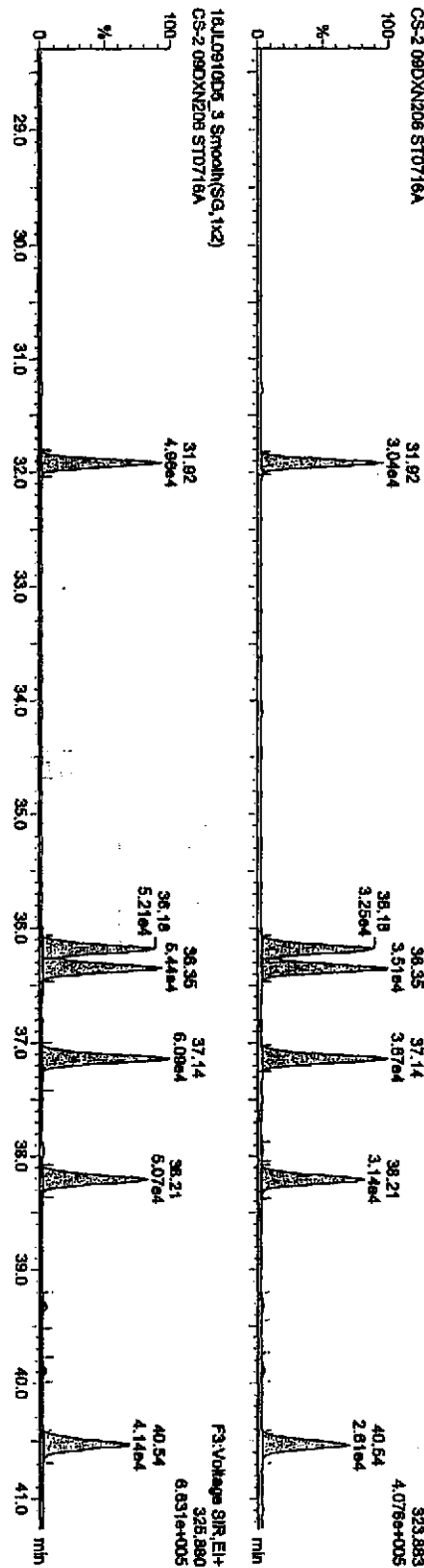


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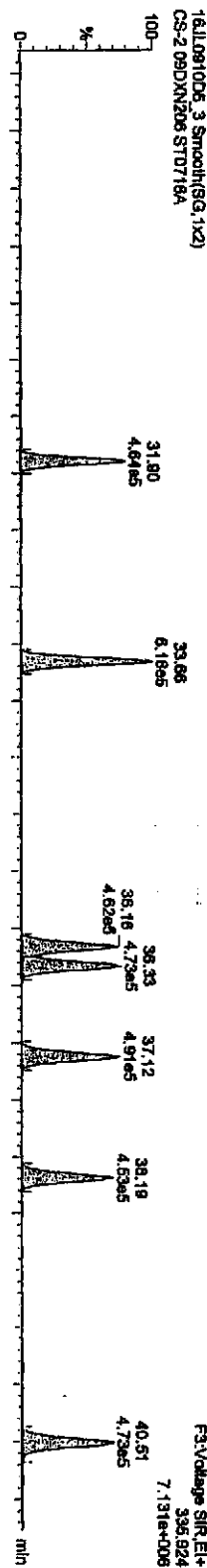
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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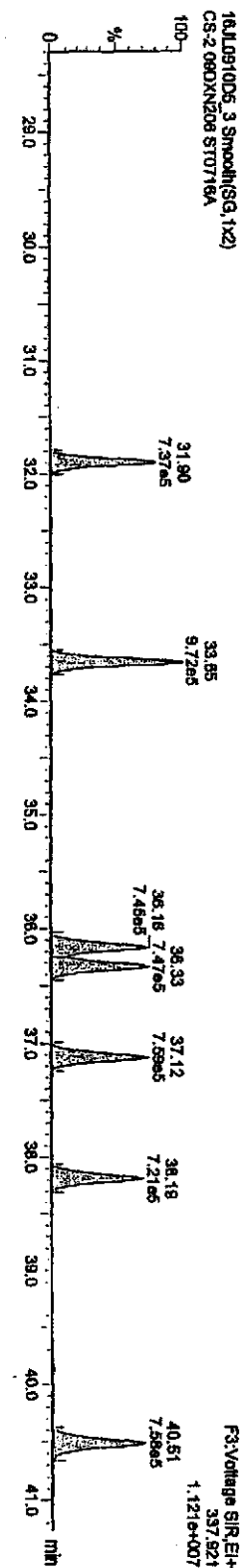
PePCBs  
16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN208 ST0716A



13C-PePCBs  
16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN208 ST0716A



16JUL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN208 ST0716A

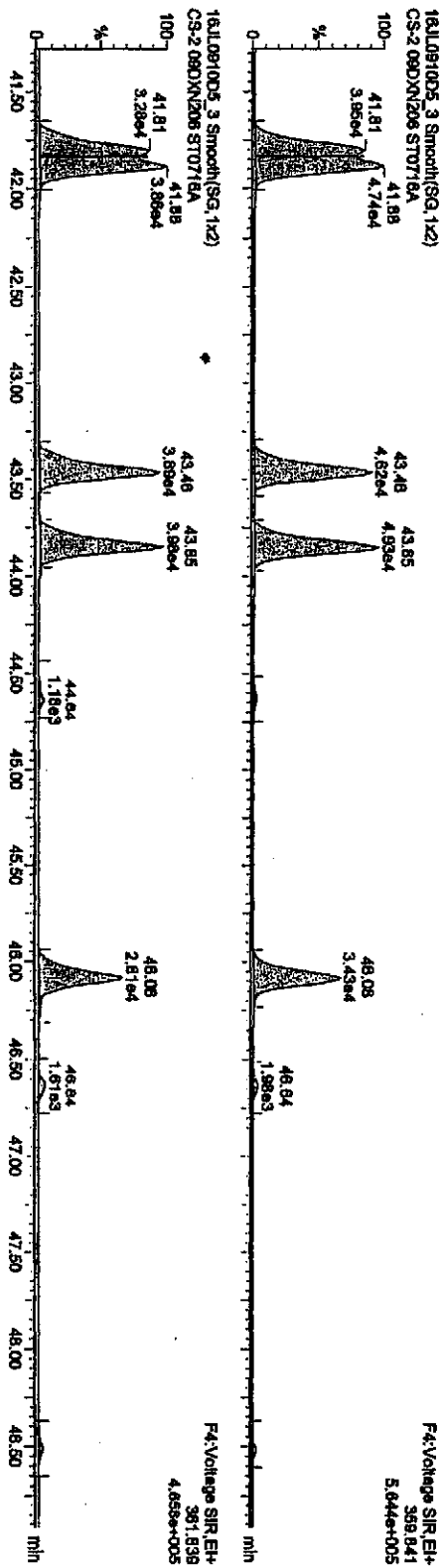


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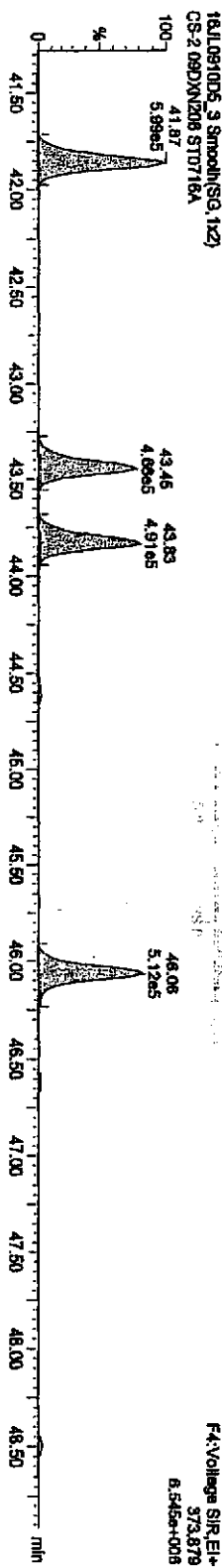
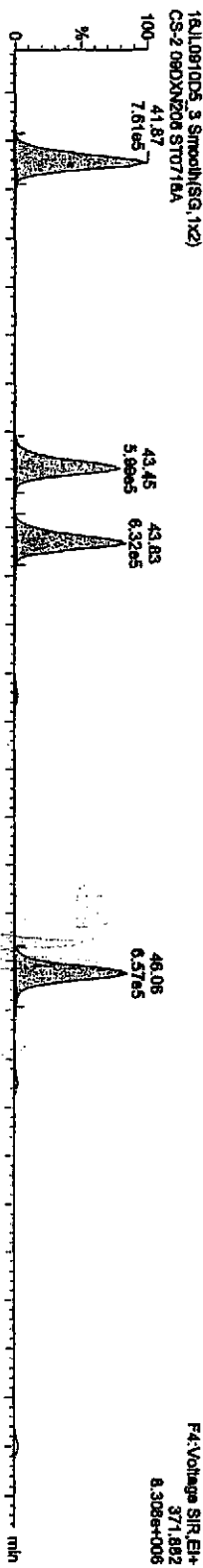
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Name: 16LJ0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2-09DXN206

HxPCBs-



13C-HxPCBs

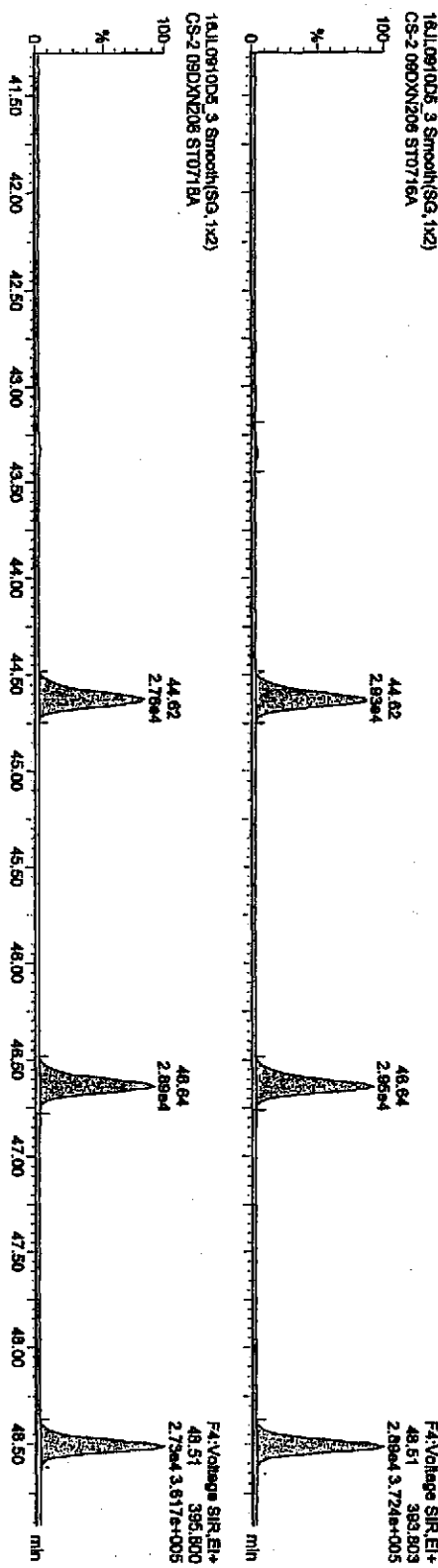


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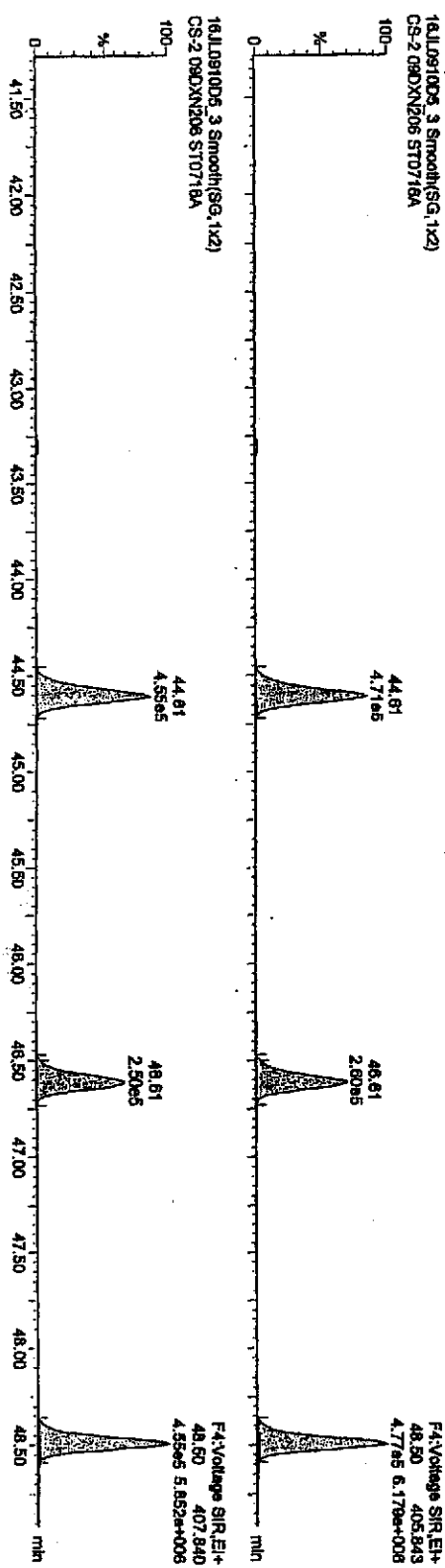
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HhPCBs



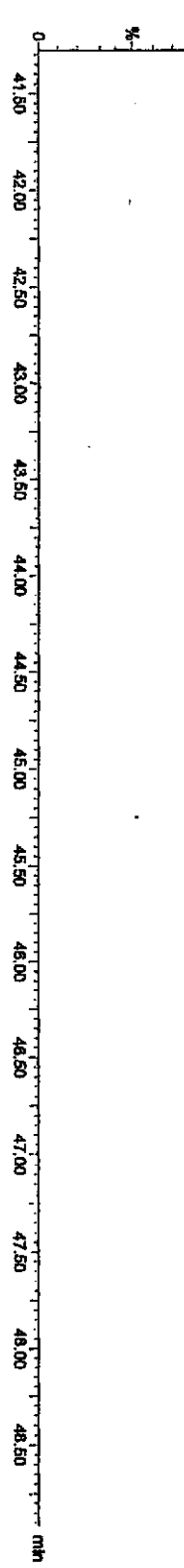
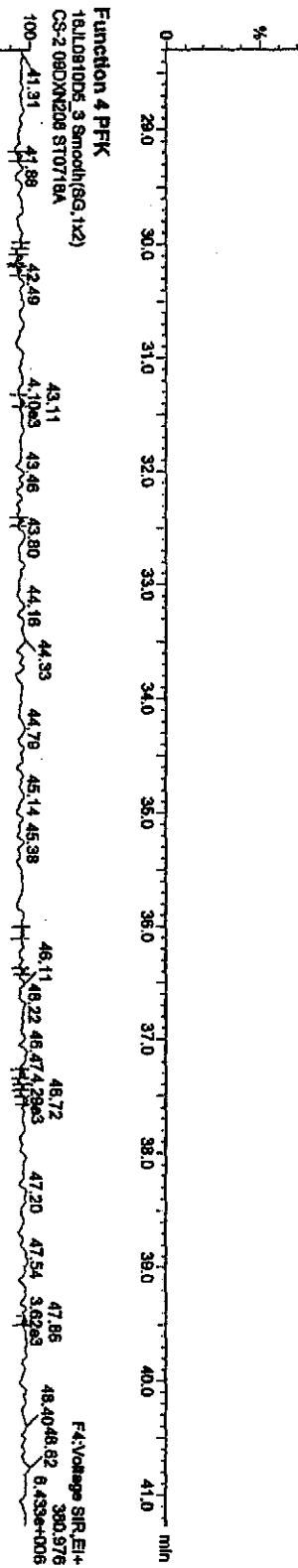
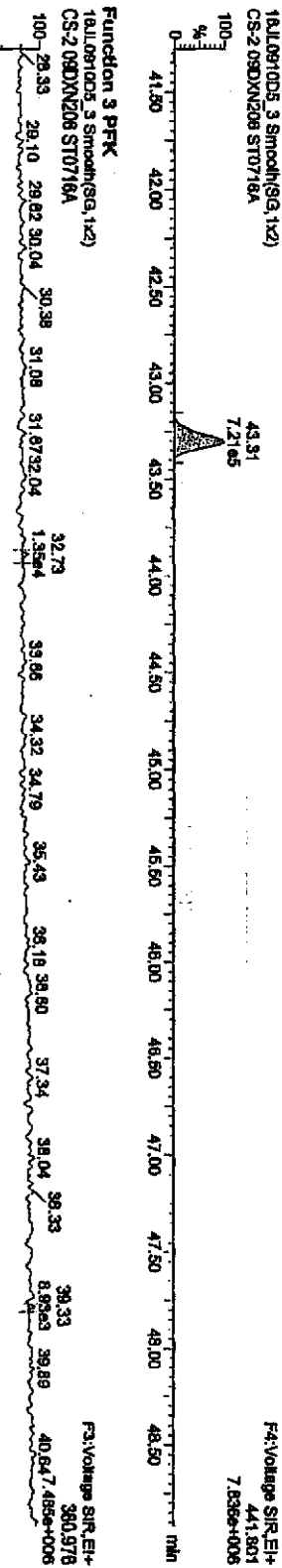
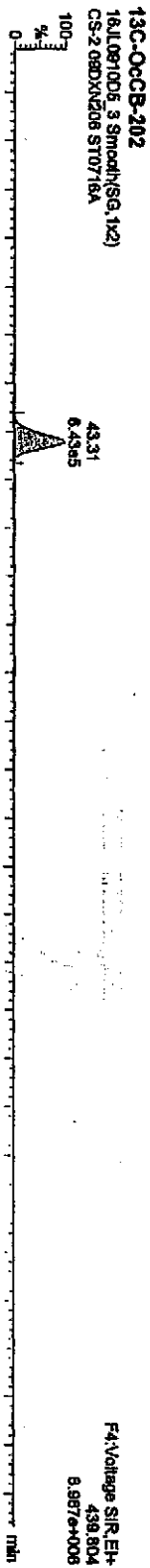
13C-HhPCBs



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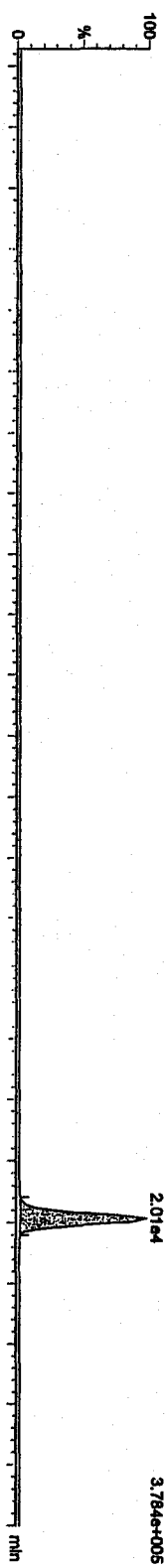
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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

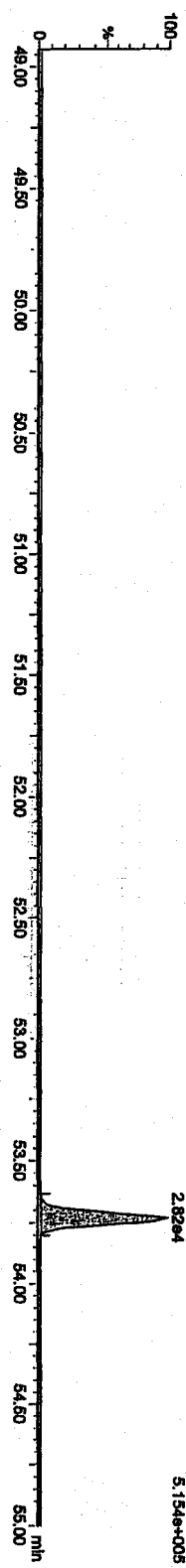
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DecB-209

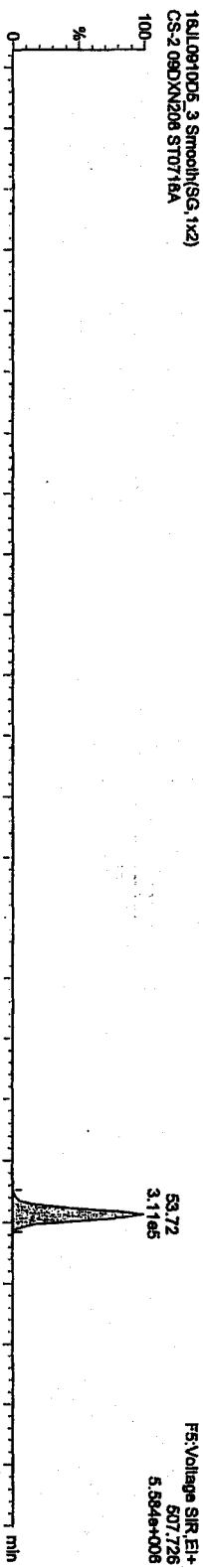
16JL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A



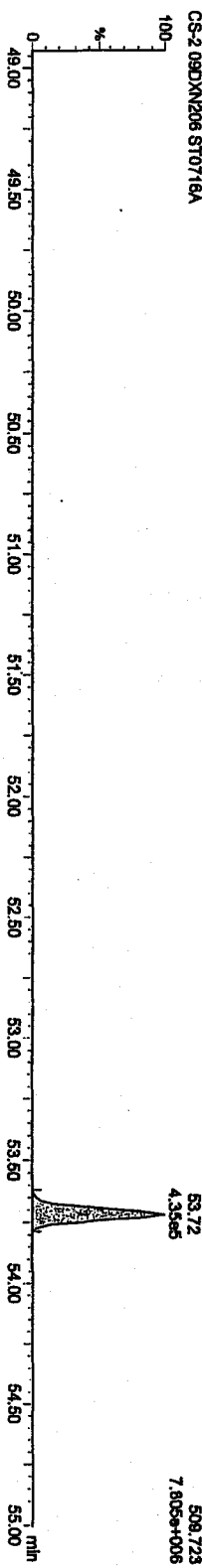
16JL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A



13C-DecB-209  
16JL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A



16JL0910D5\_3 Smooth(SG, 1x2)  
CS-2-09DXN206 ST0716A

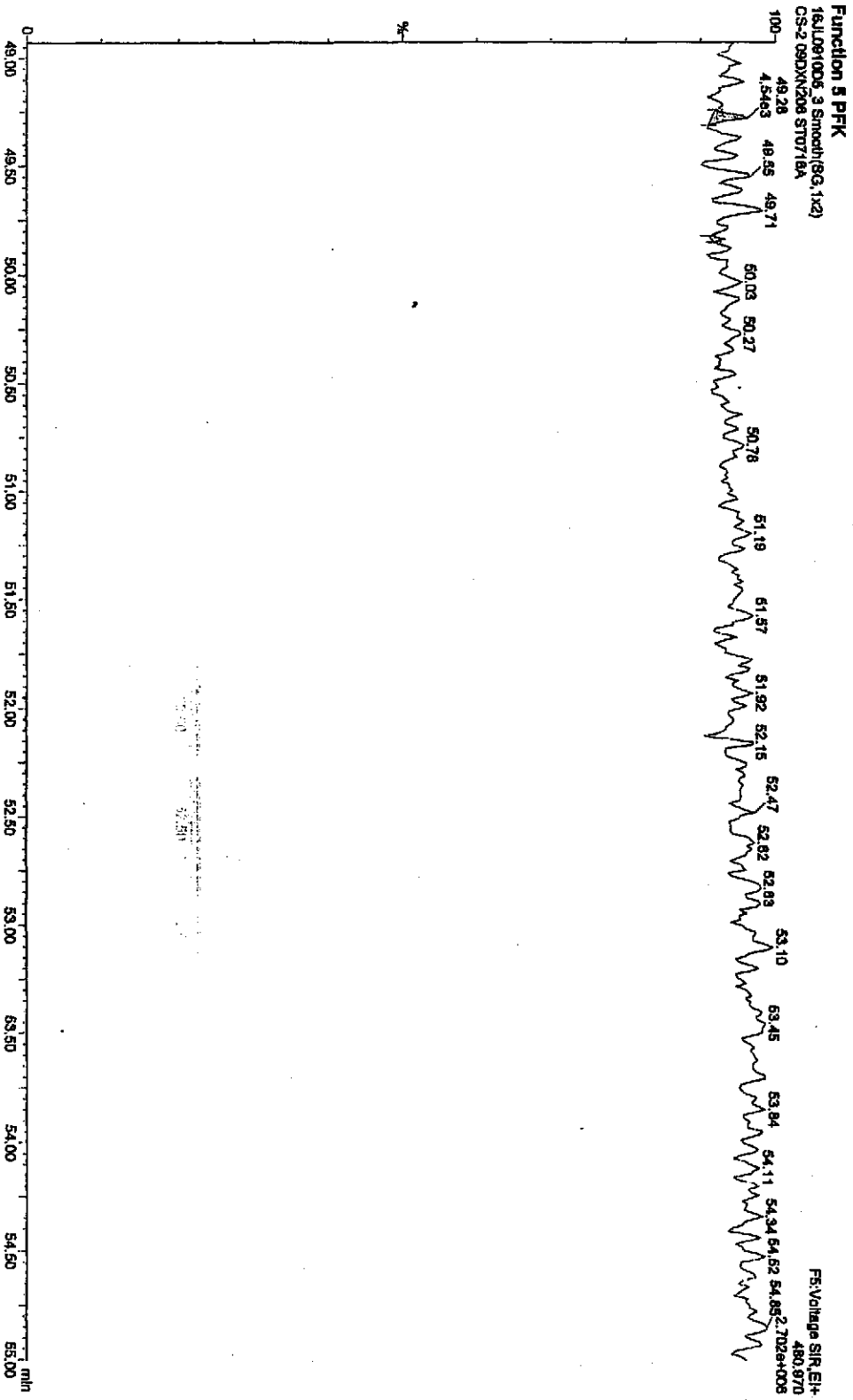


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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_3, Date: 16-Jul-2009, Time: 13:42:47, ID: ST0716A, Description: CS-2 09DXN208



Quantity Sample Report MaselLynx 4.1

Page 17 of 40

Dataset: C:\MaselLynx\Default\proj\CA0716200910D51668MSLDEC.qtd

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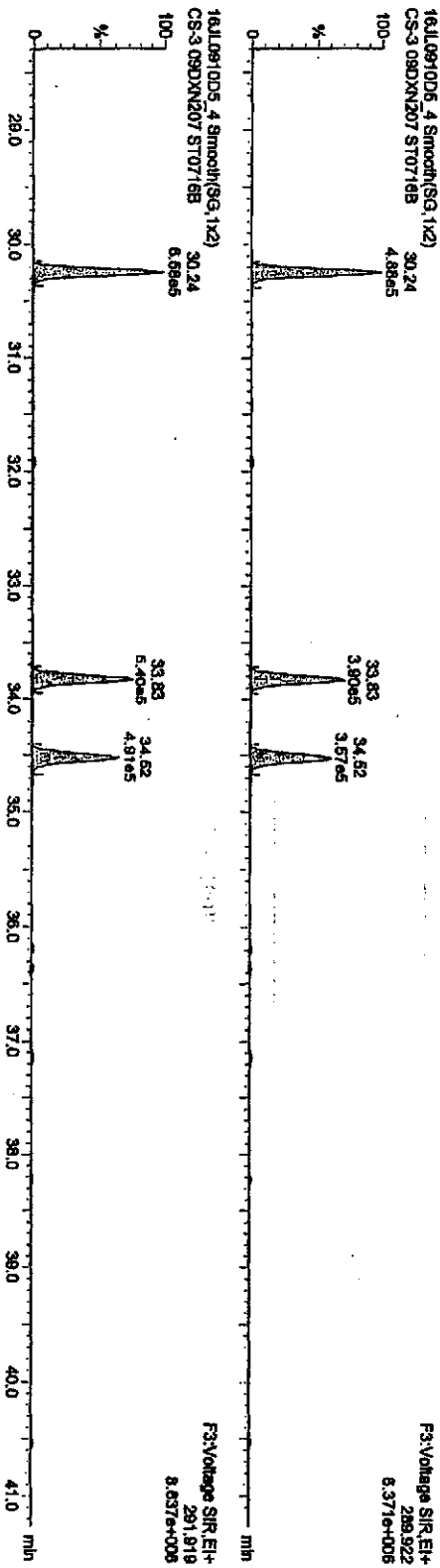
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Dataset: C:\MassLynx\Default\prof\CA0716200910D51668MSLDEC.d

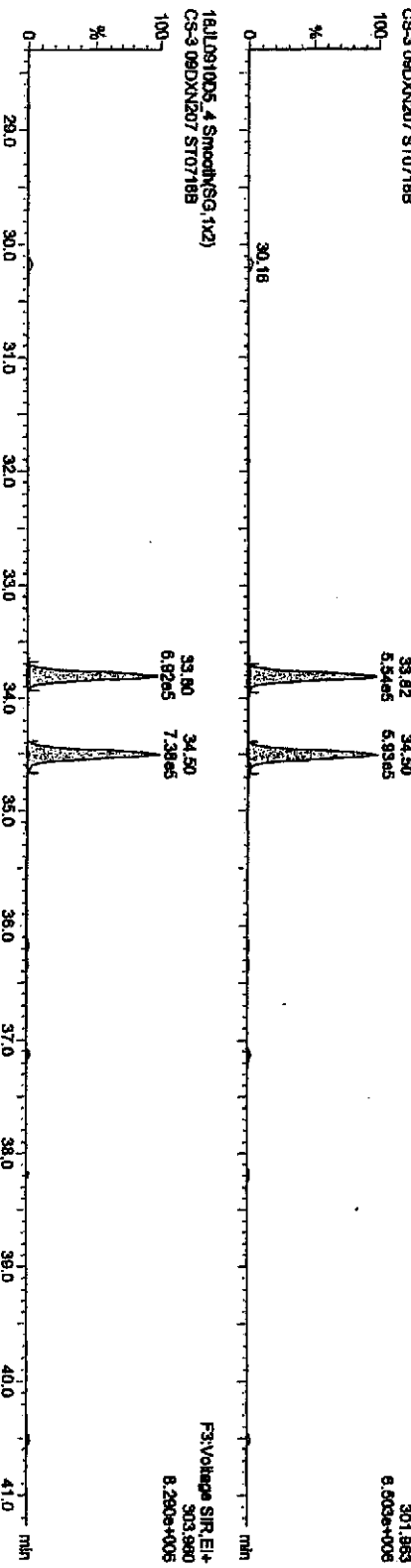
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Name: 16JL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST07168, Description: CS-3-09DXN207

TetraPCBs



13C-TetraPCBs

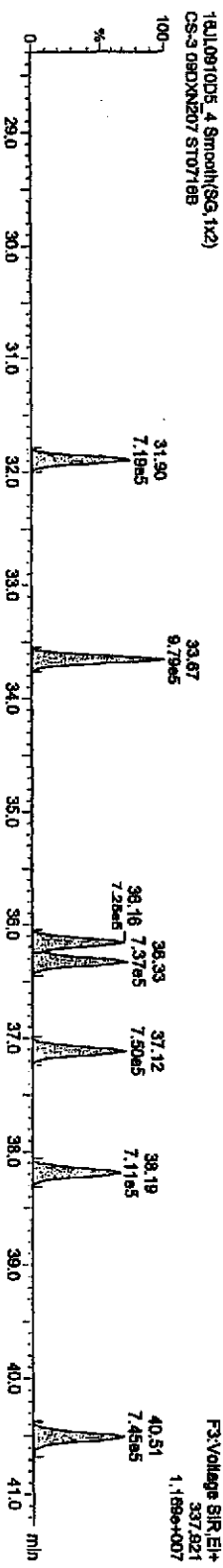
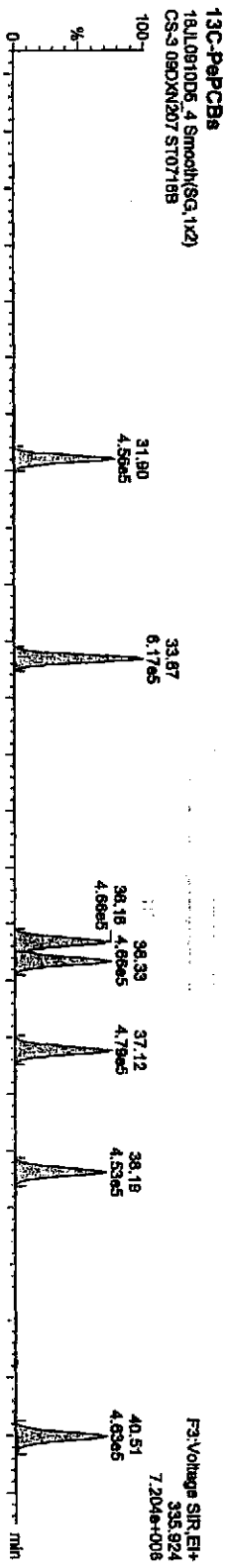
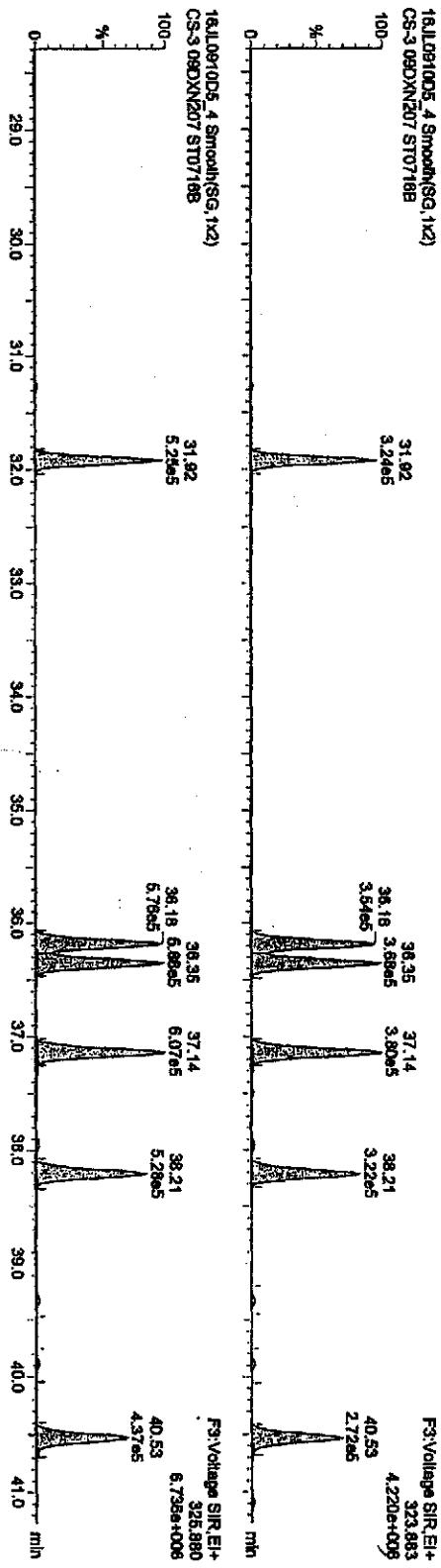


Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207

**PaPCBs**

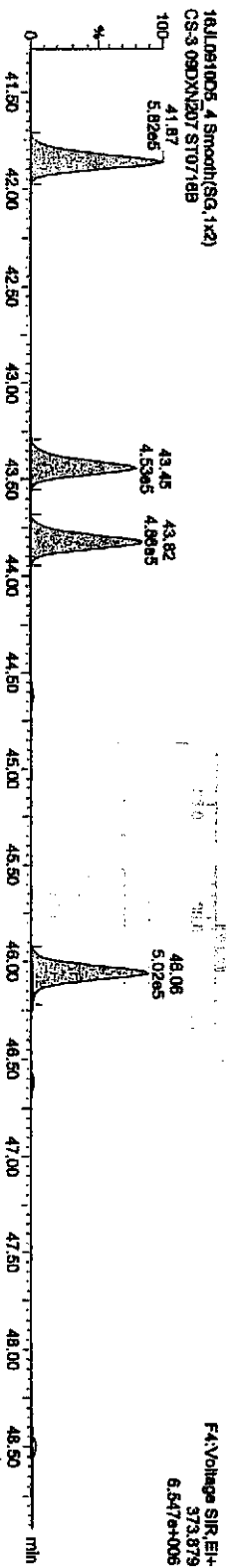
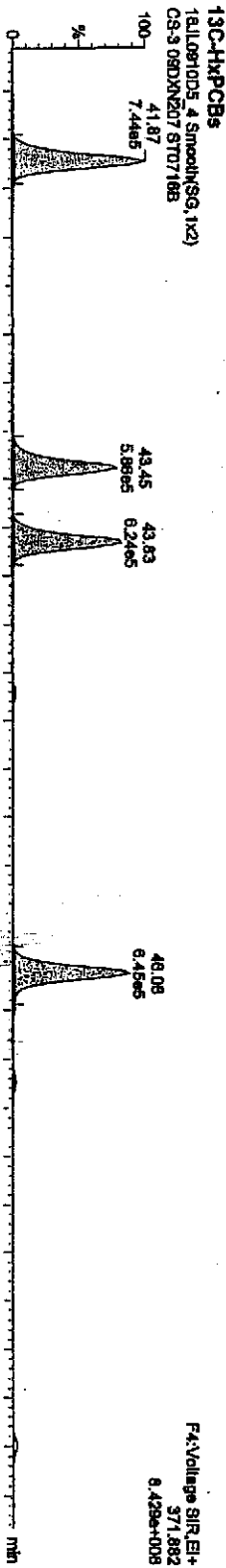
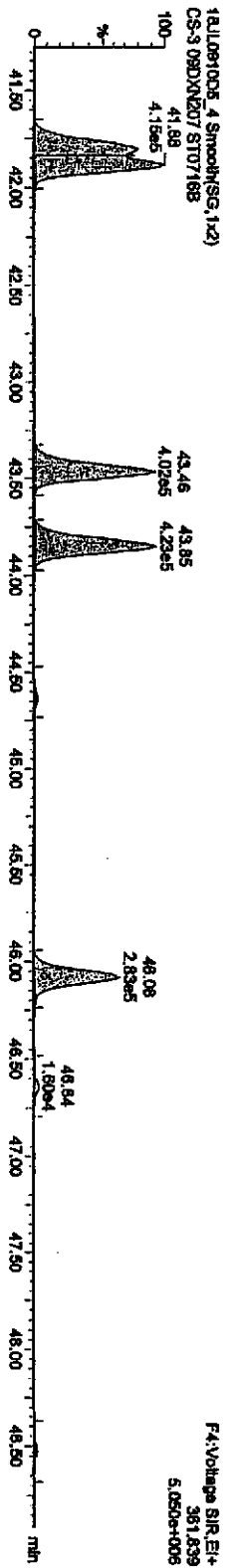
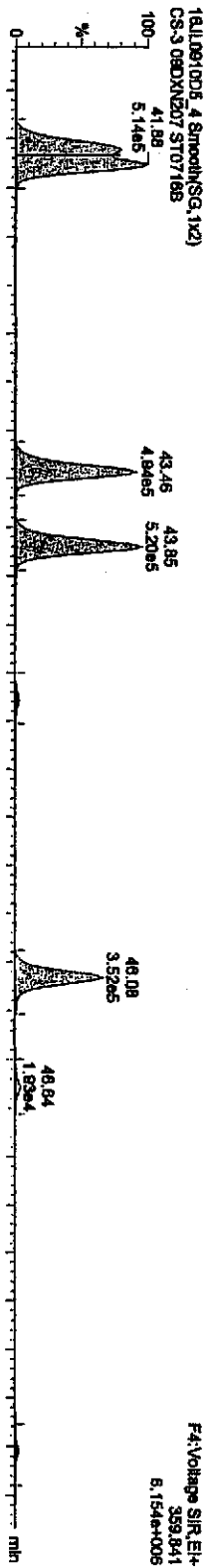


Dataset: C:\MassLynx\Default\prof\CA0716200910D51668MSLDEC.qld

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HxPCBs-

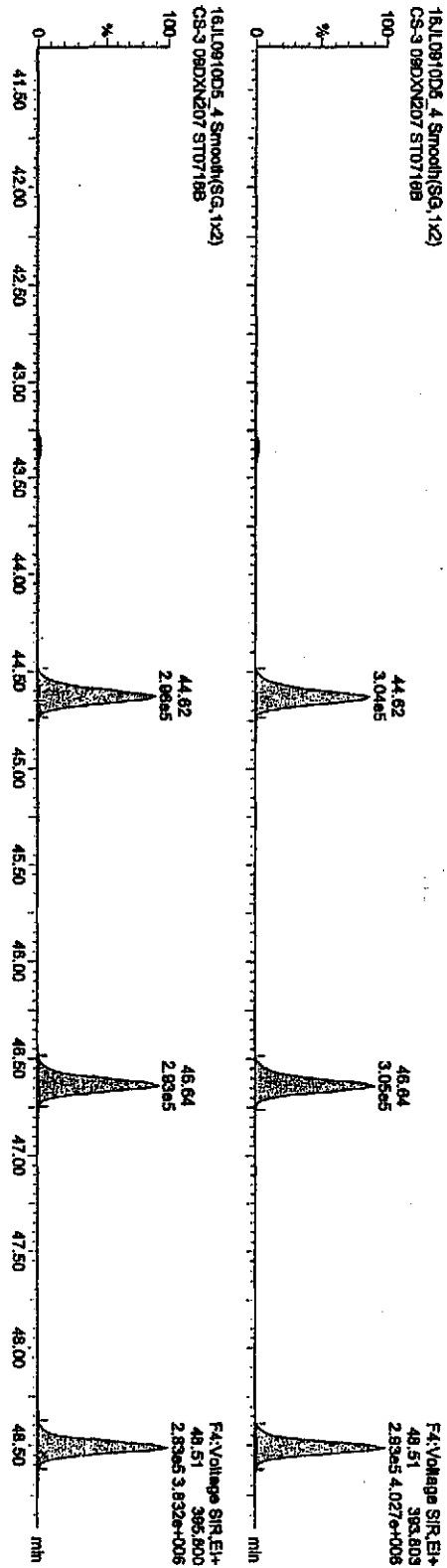


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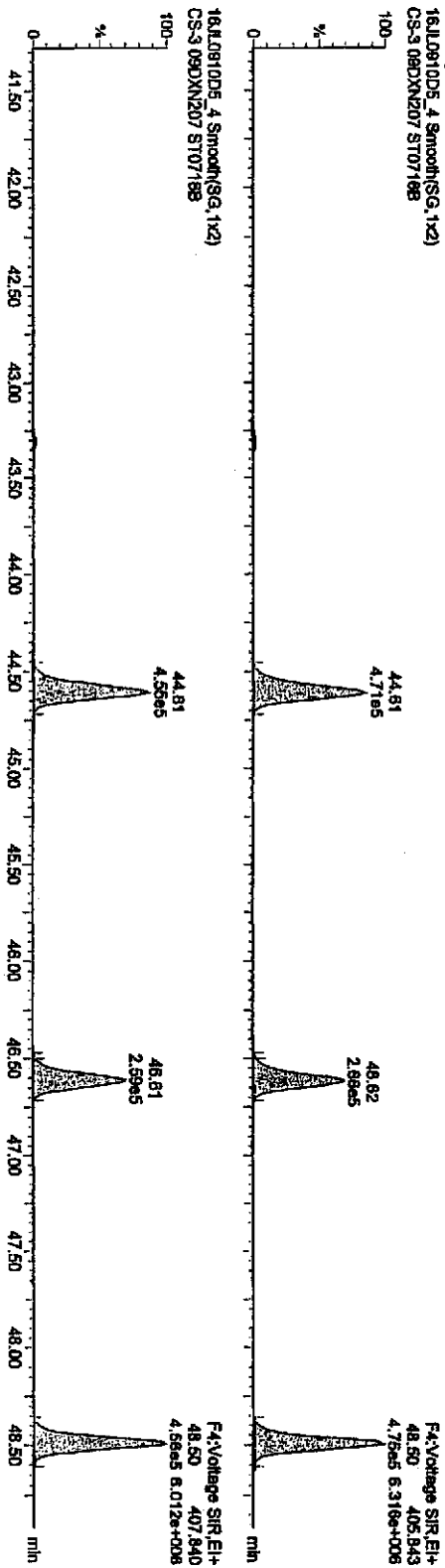
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HP PCBs



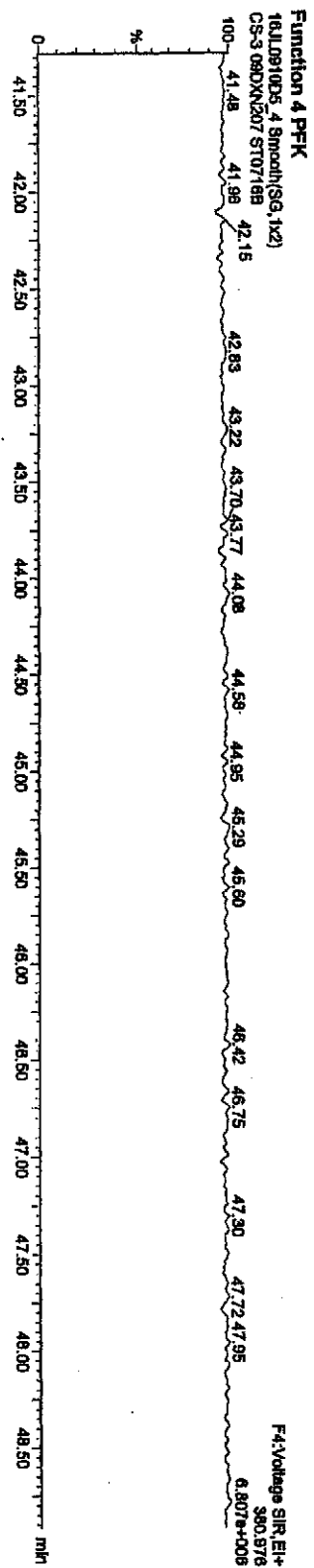
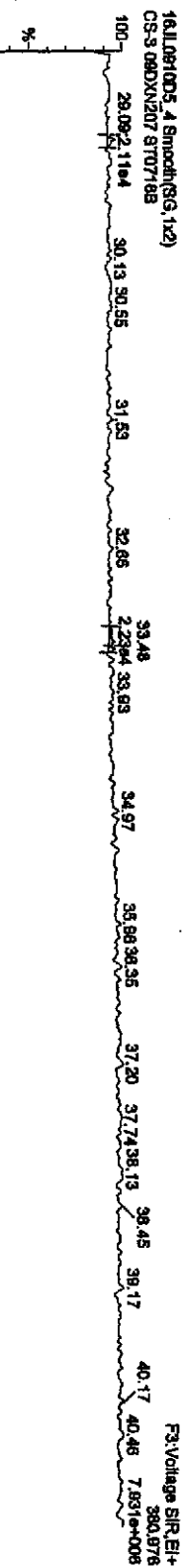
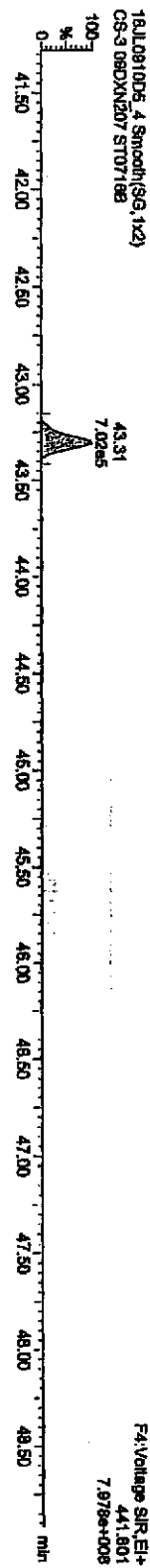
13C-HP PCBs



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Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

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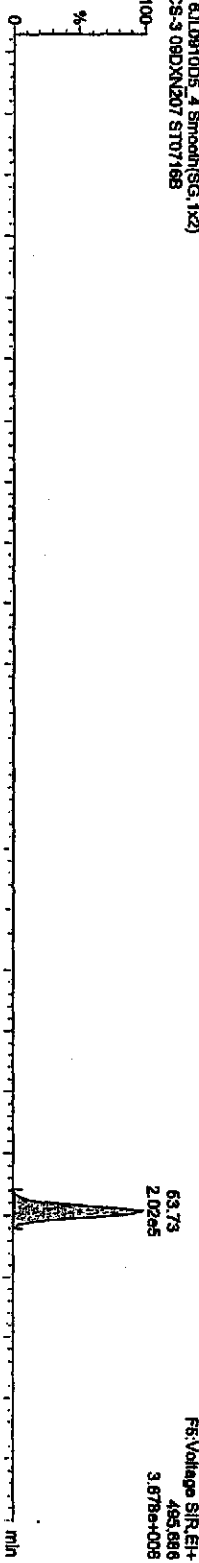
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Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
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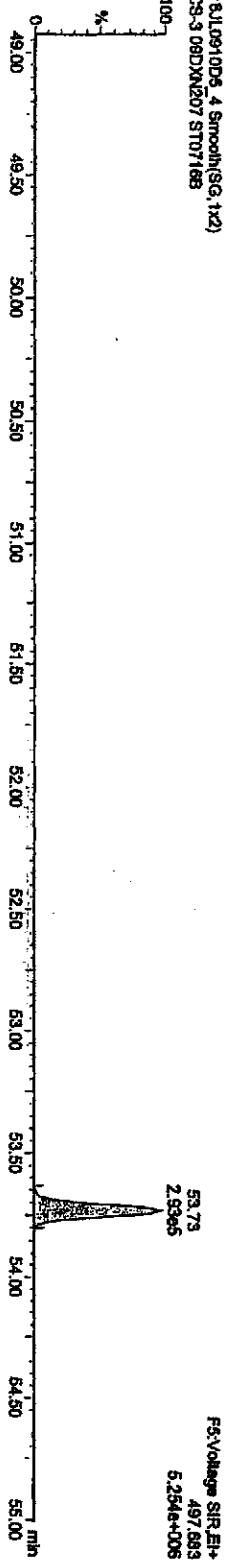
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DecB-209

18JL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST07168

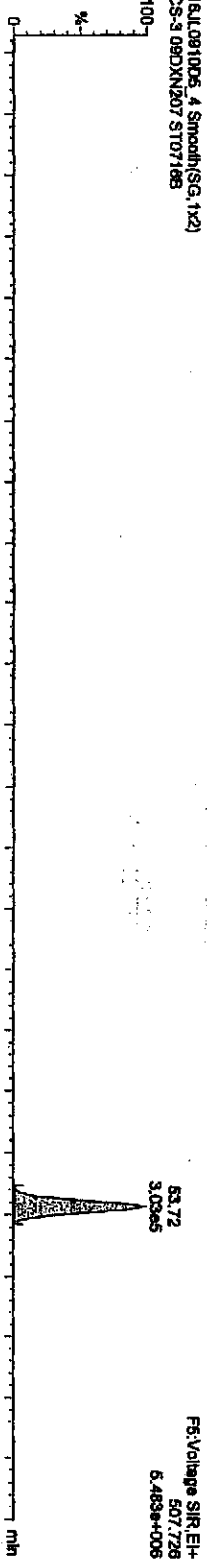


18JL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST07168

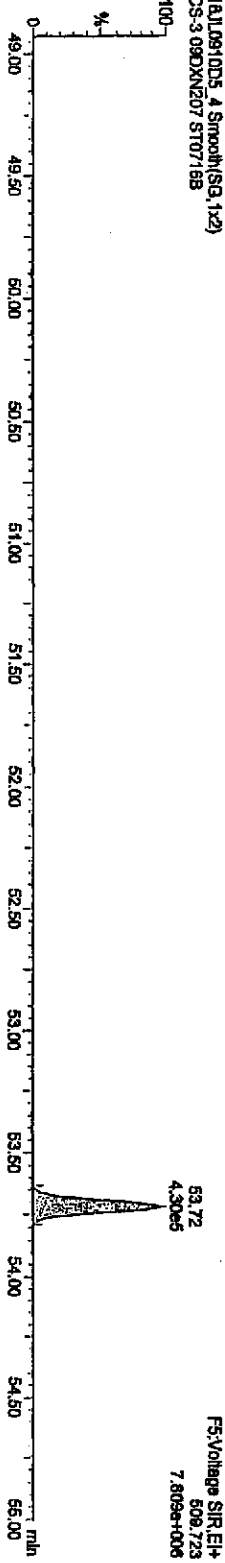


13C-DecB-209

18JL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST07168



18JL0910D5\_4 Smooth(SG, 1x2)  
CS-3 09DXN207 ST07168



Quantity Sample Report MassLynx 4.1

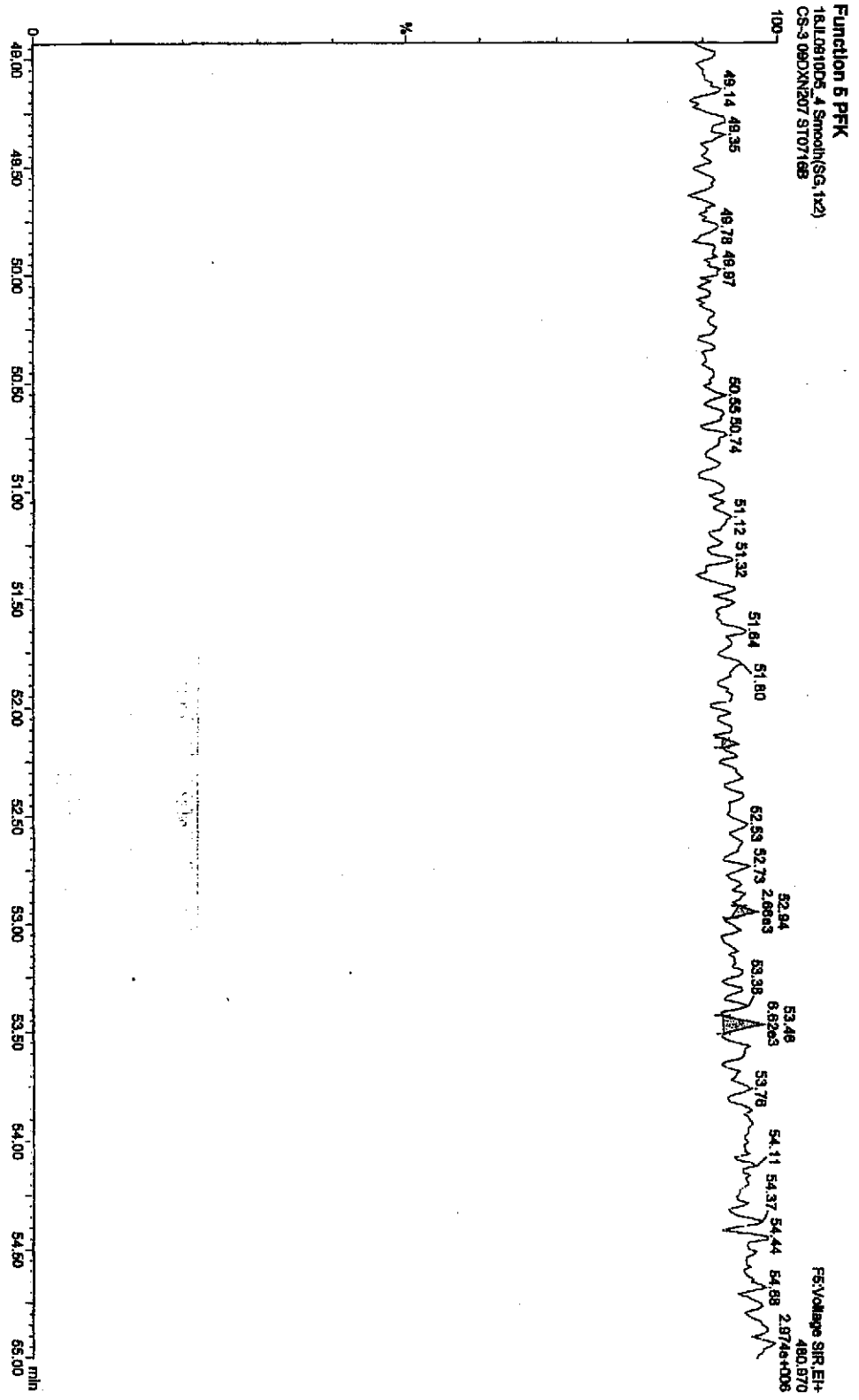
Page 24 of 40

Dataset: C:\MassLynx\Default\prot\CA0716200910D51668MSLDEC.qid

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16.LJ0910D5\_4, Date: 16-Jul-2009, Time: 14:40:56, ID: ST0716B, Description: CS-3 09DXN207



Quantity Sample Report Masslynx 4.1

Page 25 of 40

Dataset: C:\Masslynx\Default\proj\CA0716200910D5168BMSLDEC.qtd

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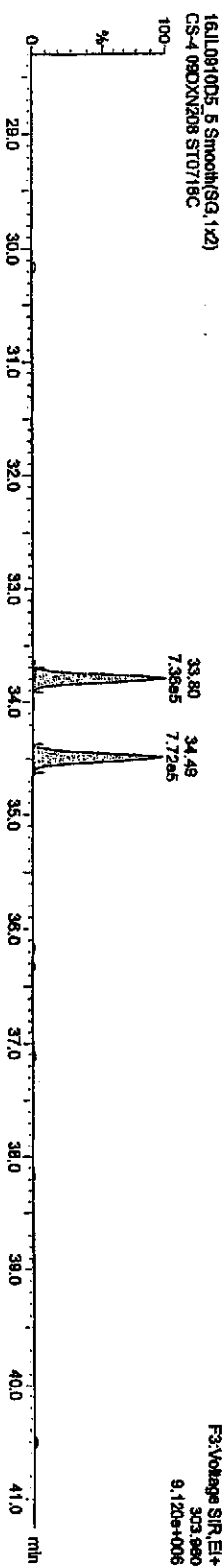
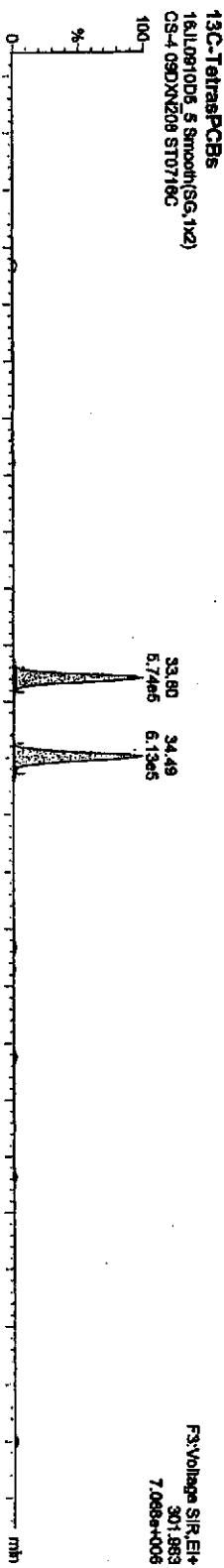
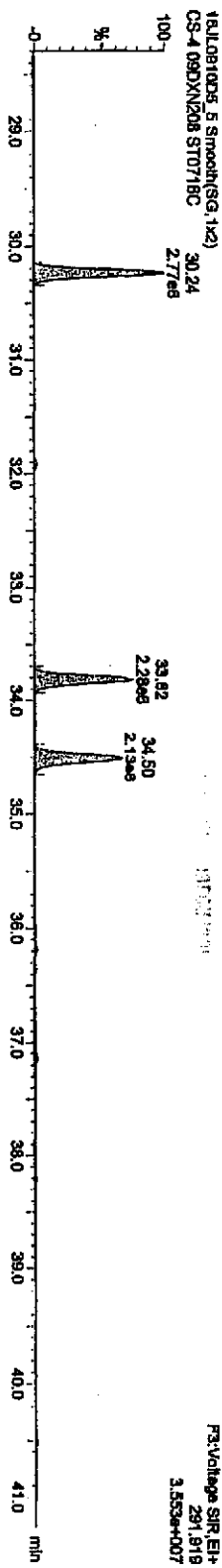
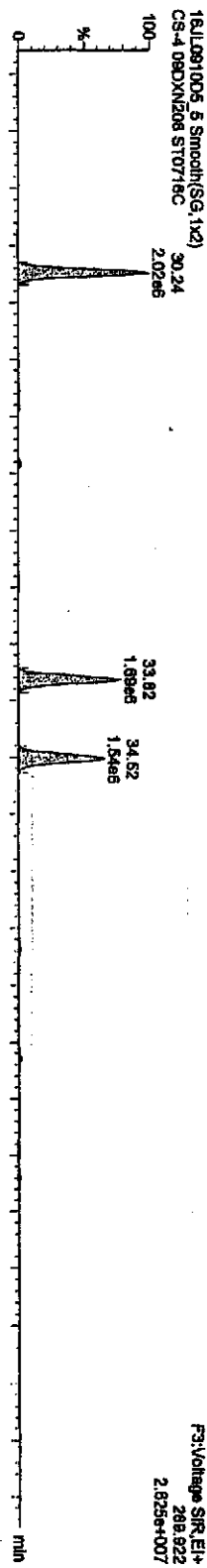
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Dataset: C:\MassLyrx\Default\prot\CA0716200910D51668MSLDEC.qid

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 16:37:00, ID: ST0716C, Description: CS-4 09DXN208

TetraPCBs

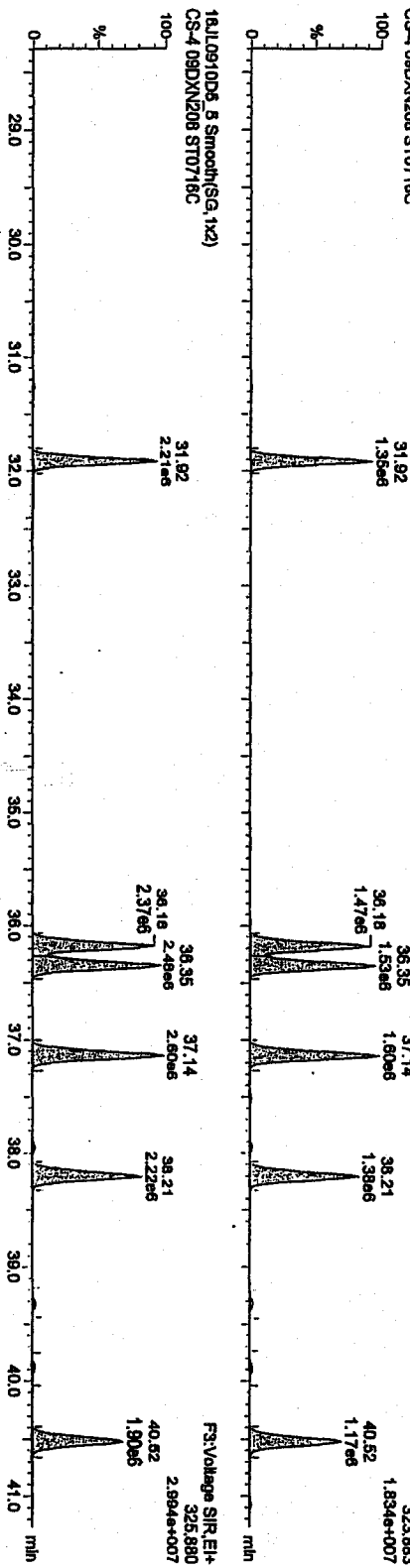


Dataset: C:\Masslynx\Default\prol\CA0716200910D5166MSLDEC.dld

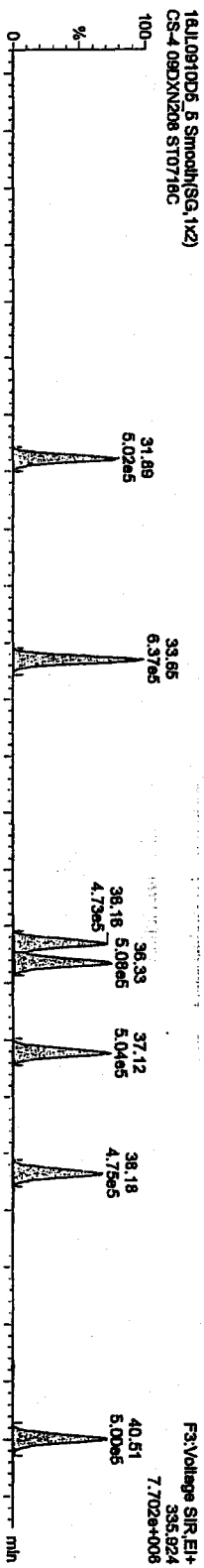
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

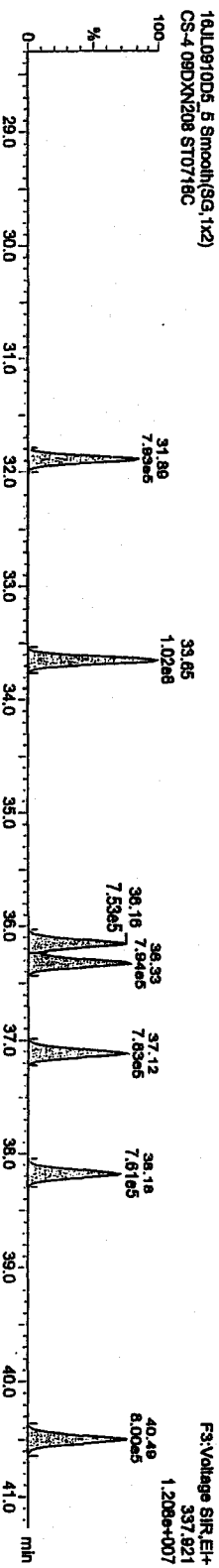
**PePCBs**  
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



**13C-PePCBs**  
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



**16JL0910D5\_5 Smooth(SG, 1x2)**  
CS-4 09DXN208 ST0716C

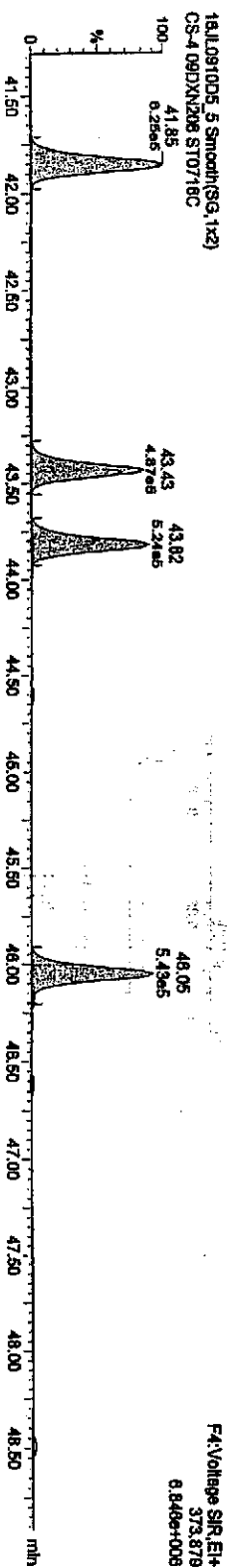
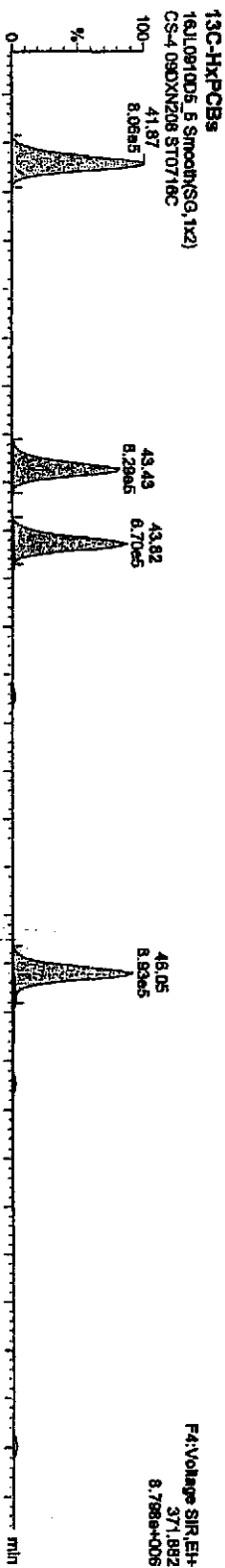
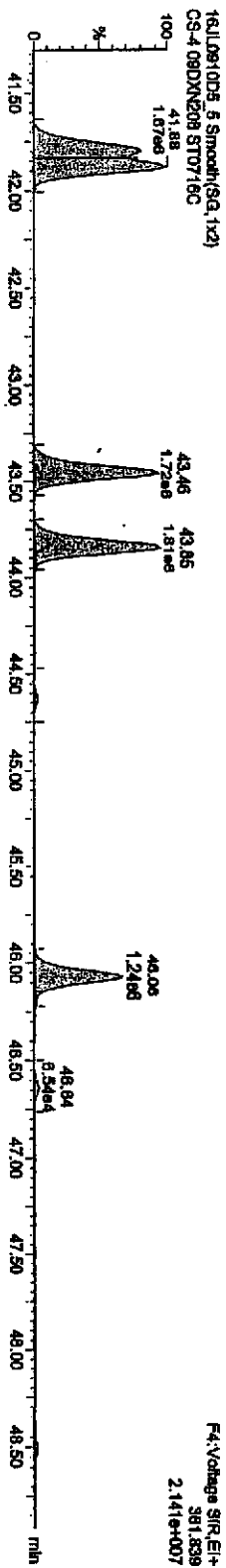
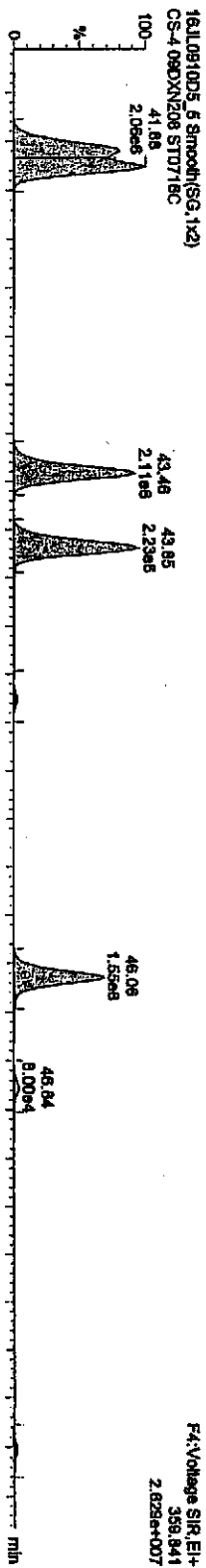


Dataset: C:\MassLynx\Default\proj\CA0716200910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16LJL0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208

HXPCBs-

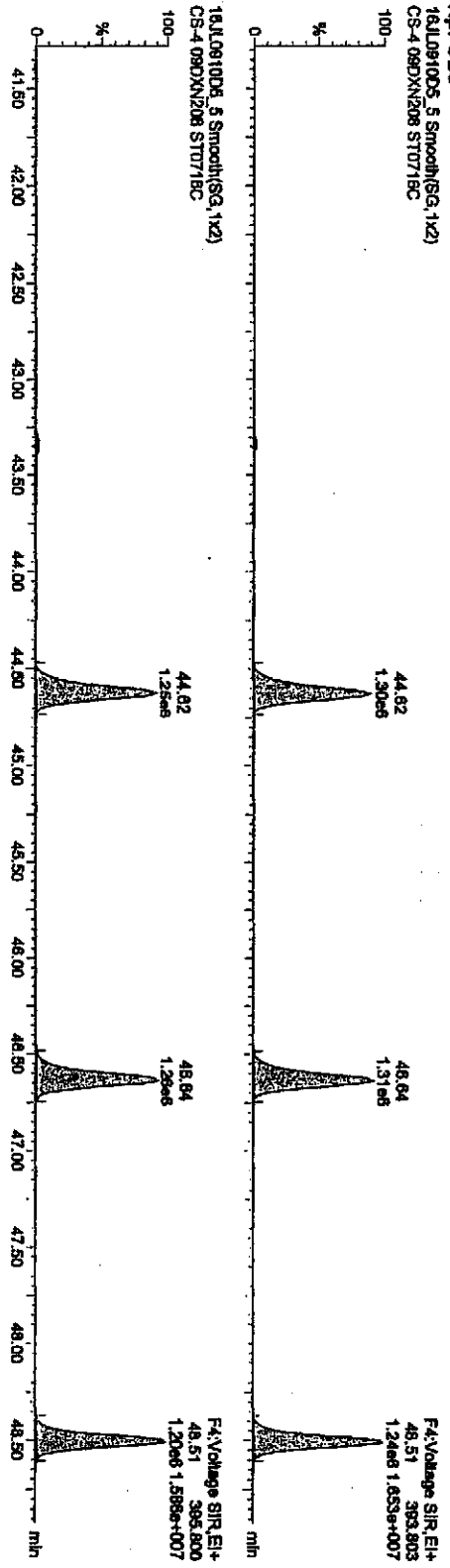


Dataset C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC.qid

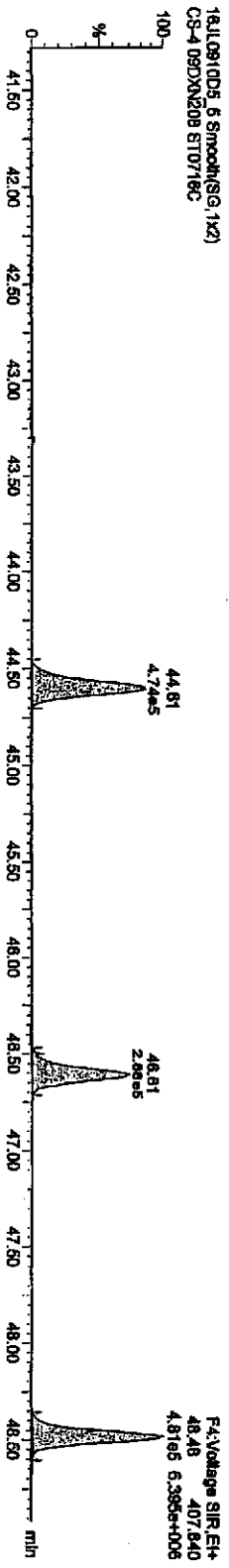
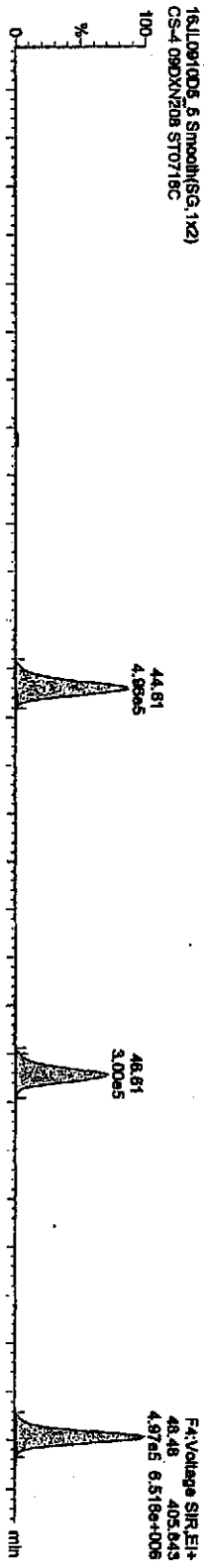
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JUL0910D5\_5, Date: 16-Jul-2009, Time: 16:37:00, ID: ST0716C, Description: CS-4 09DXN208

HPPCBs



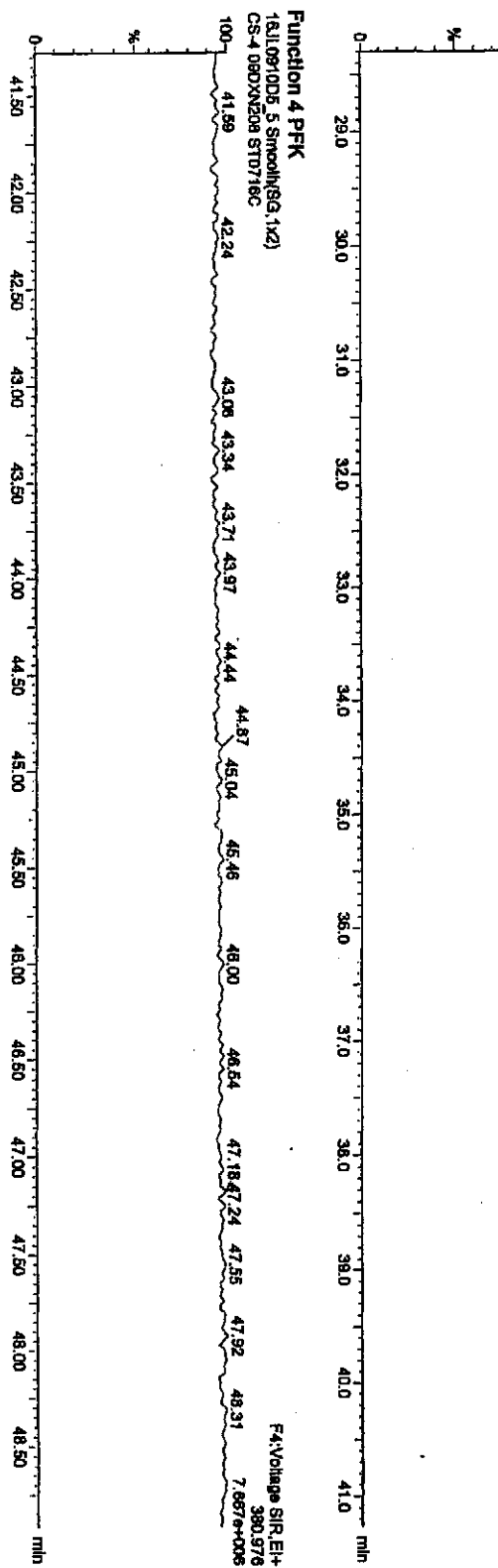
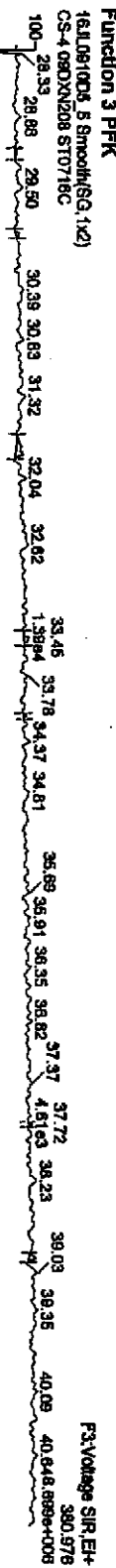
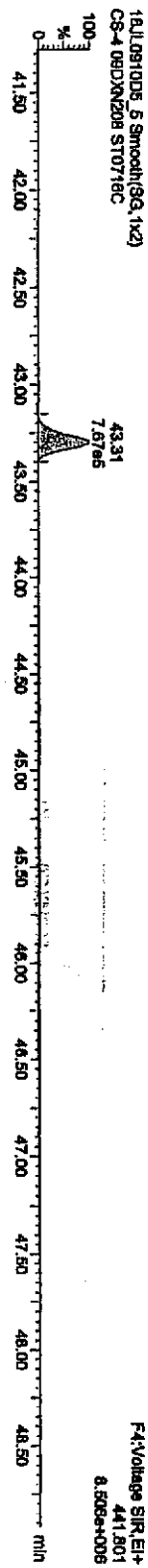
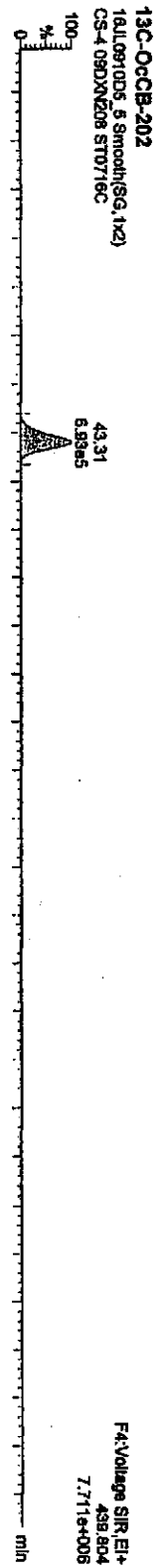
13C-HpPCBs



Dataset: C:\Masalynx\Default\proj\CA0716200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16-Jul-0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208





Dataset: C:\MassLynx\Default\proj\CA0716200910D5166MSLDEC.qld

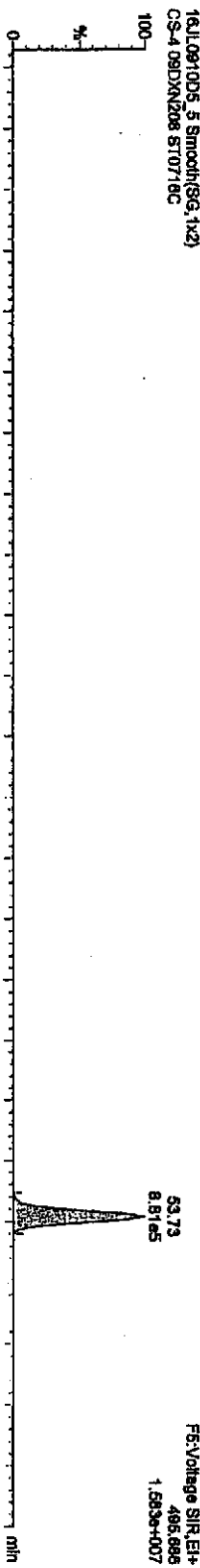
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

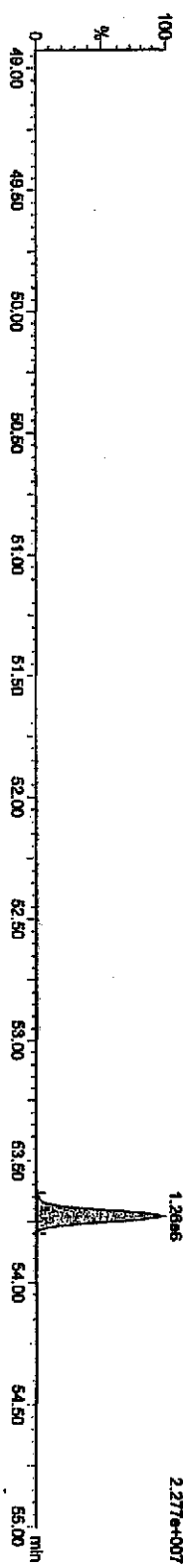
Name: 16JL0910D5\_5, Date: 16-Jul-2009, Time: 16:37:00, ID: ST0716C, Description: CS-4 09DXN208

DecB-209

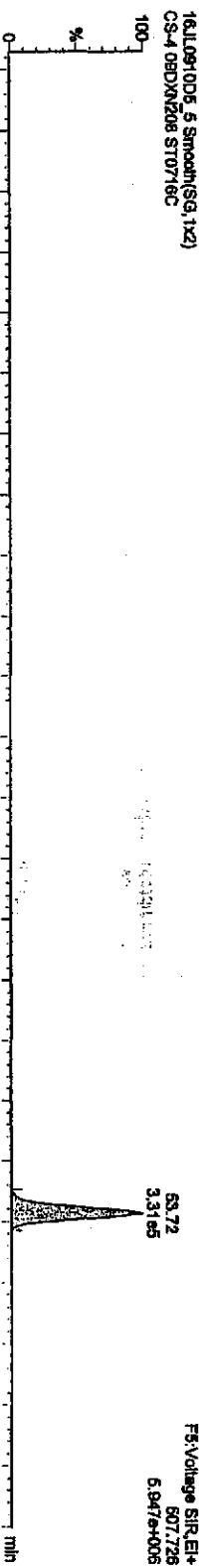
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



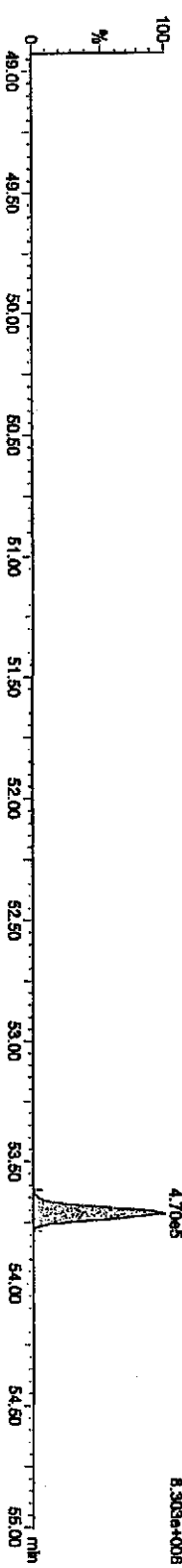
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



13C-DecB-209  
16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C



16JL0910D5\_5 Smooth(SG, 1x2)  
CS-4 09DXN208 ST0716C

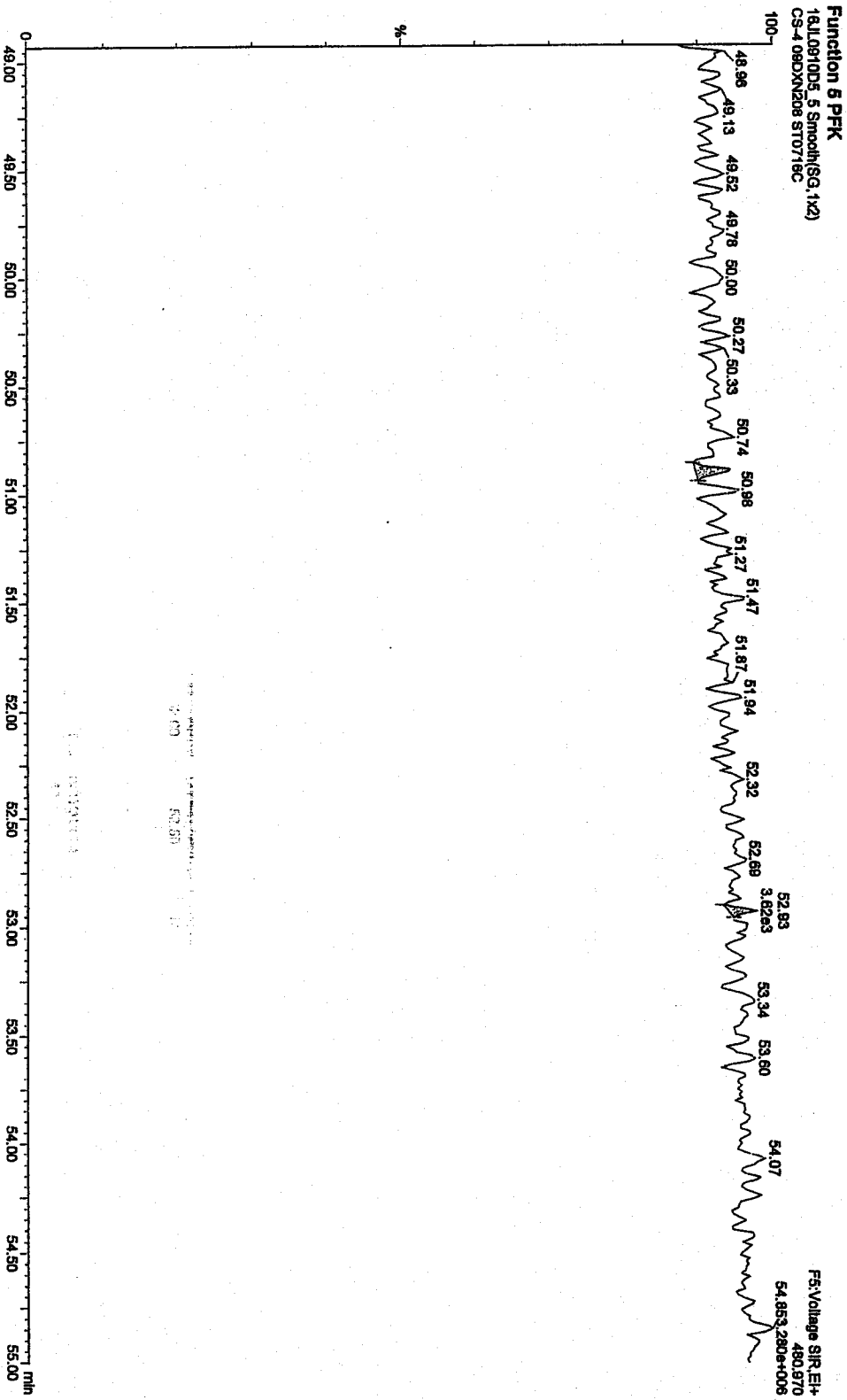


Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSL DEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printer: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16LJ0910D5\_5, Date: 16-Jul-2009, Time: 15:37:00, ID: ST0716C, Description: CS-4 09DXN208



Quantity Sample Report

Masslynx 4.1

Page 33 of 40

Dataset: C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

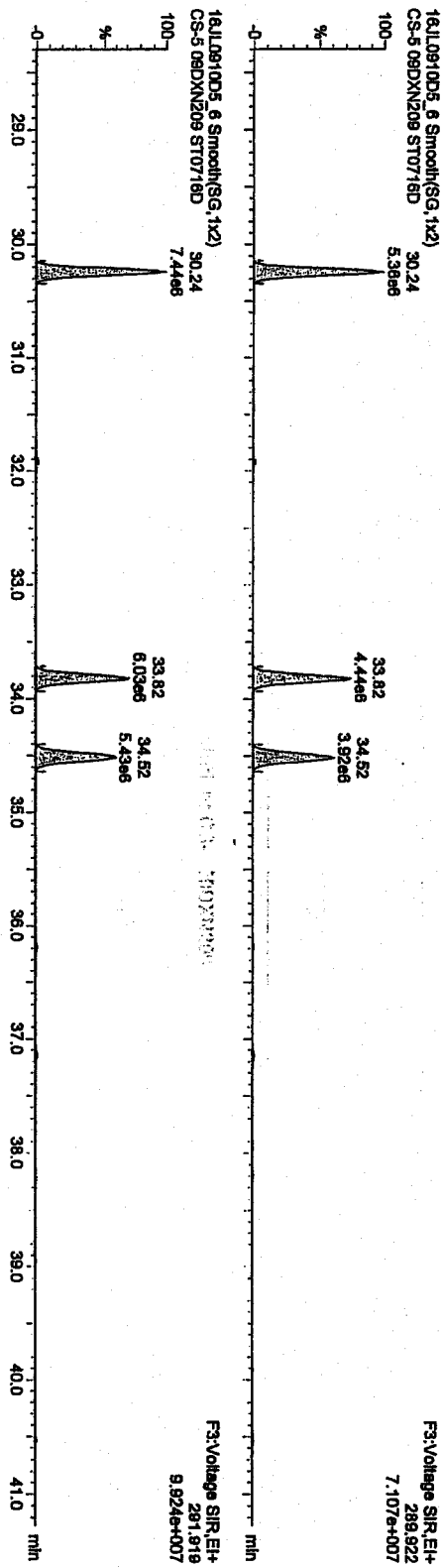
Name: 16JUL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

Dataset: C:\MassLynxDefault.pro\CA0716200910D51668MSLDEC.qld

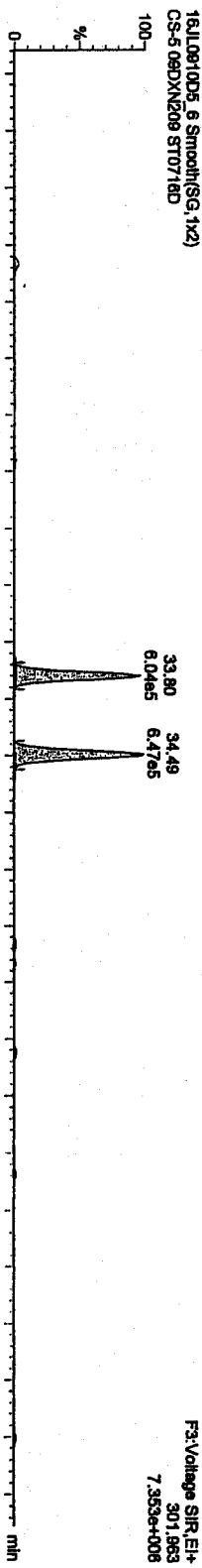
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16LJ0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

TetraPCBs



13C-TetraPCBs



16LJ0910D5\_6 Smooth(SG, 1x2)

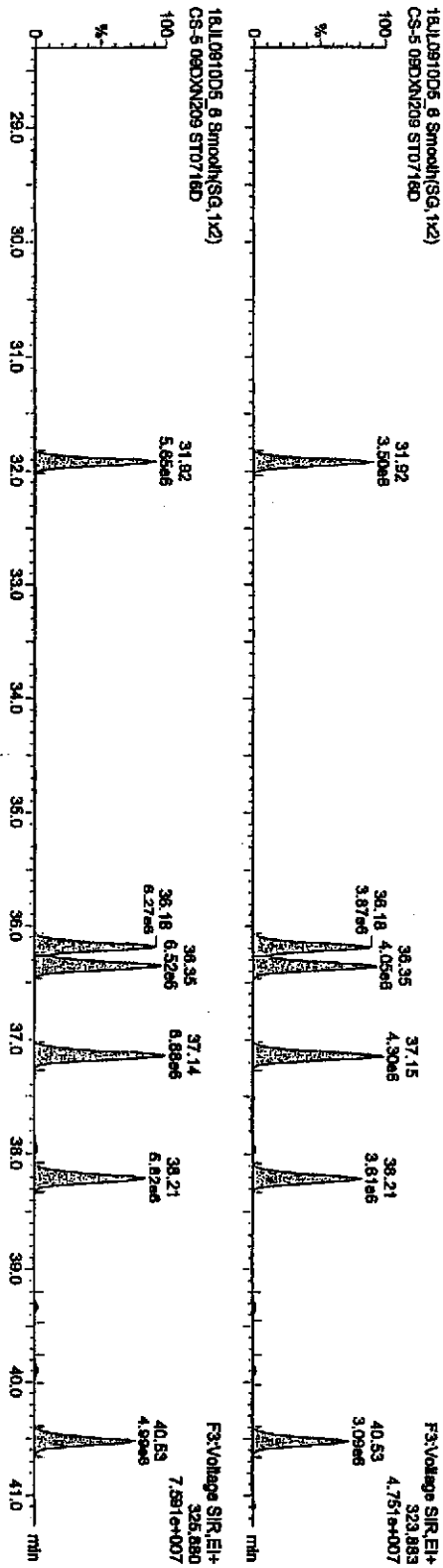


Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qld

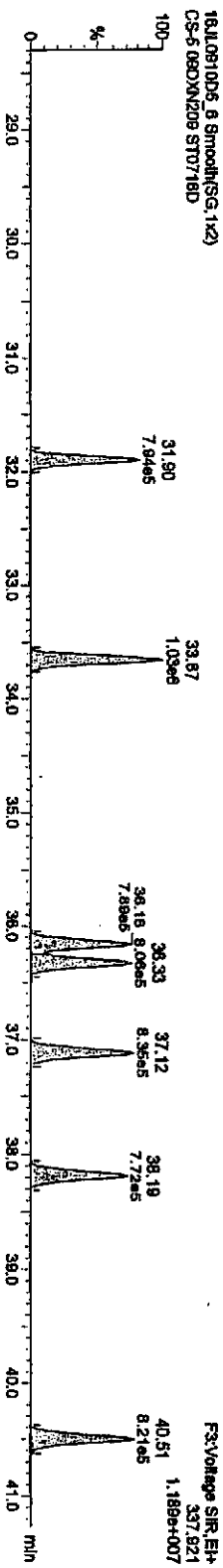
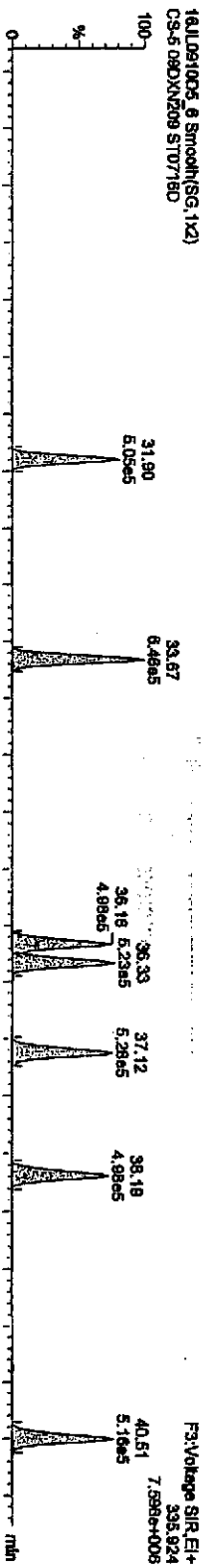
Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-6 09DXN209

PePCBs



13C-PePCBs

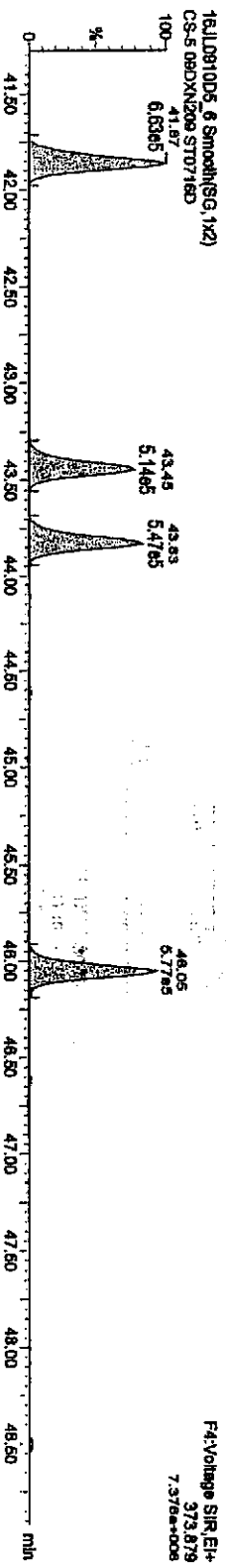
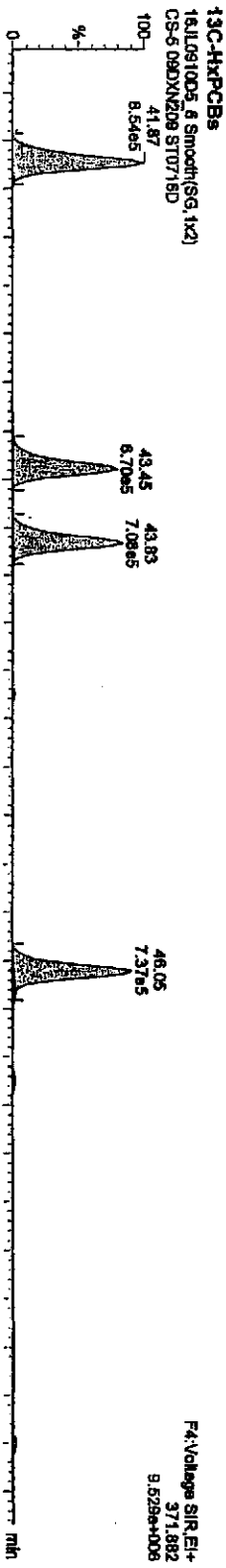
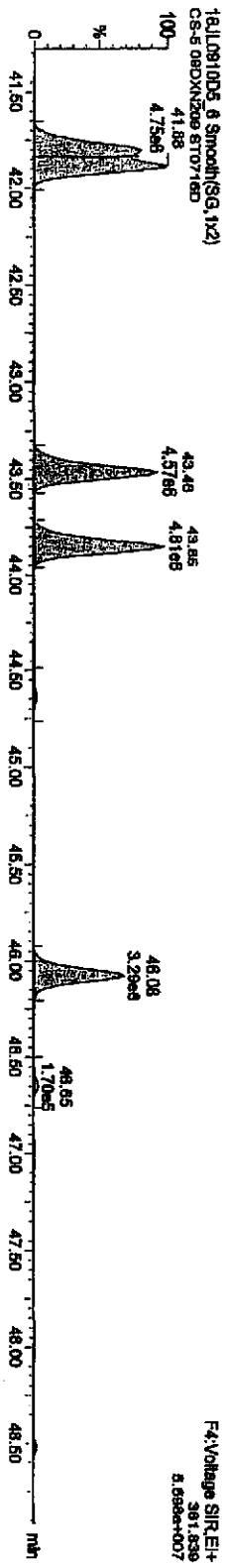
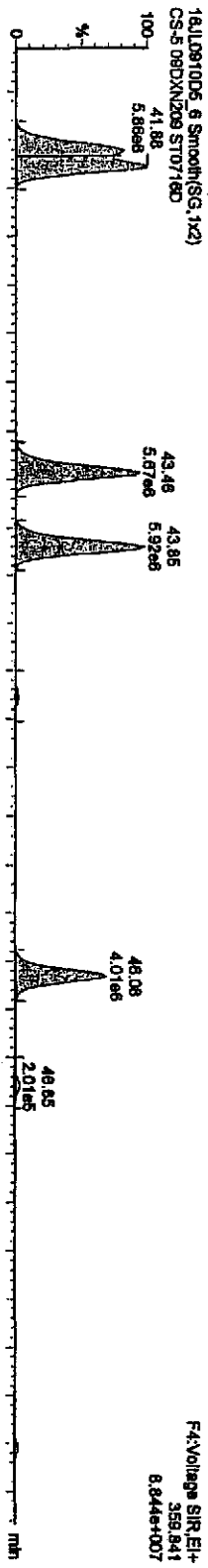


Dataset: C:\MassLynx\Default\pro1\CA0716200910D51669MSLDEC.qid

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

HxPCBs-

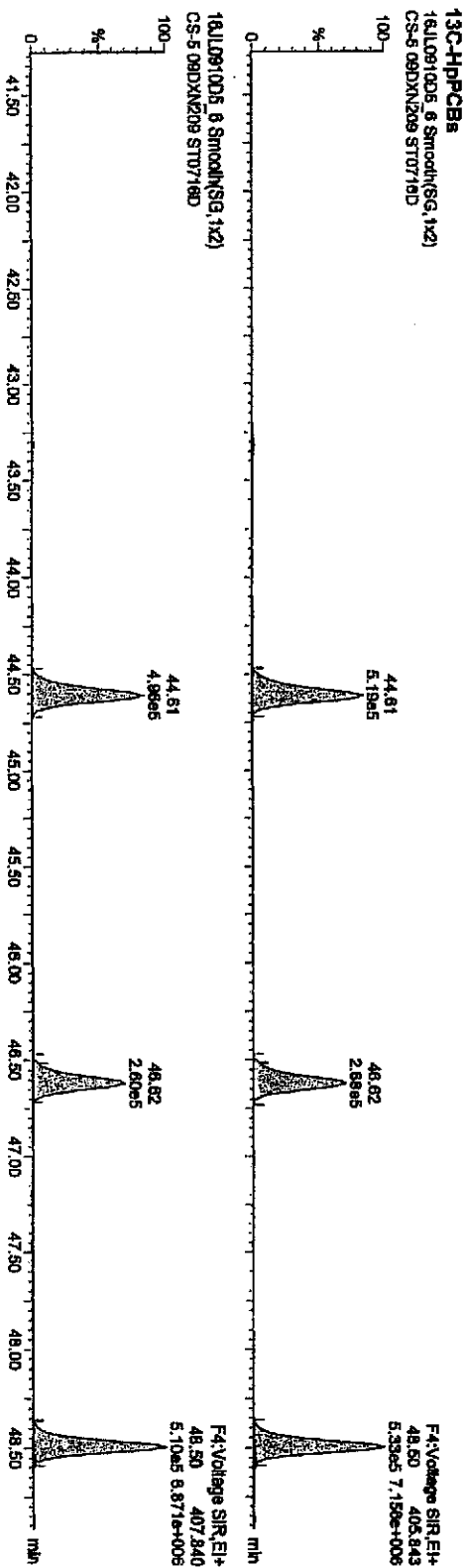
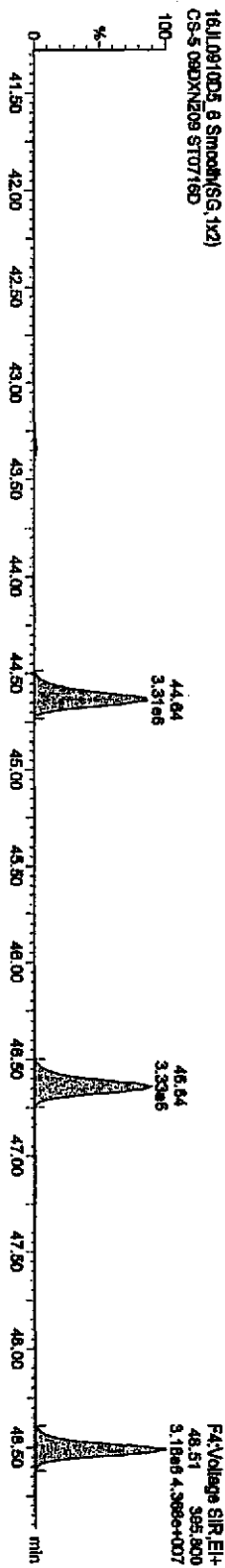
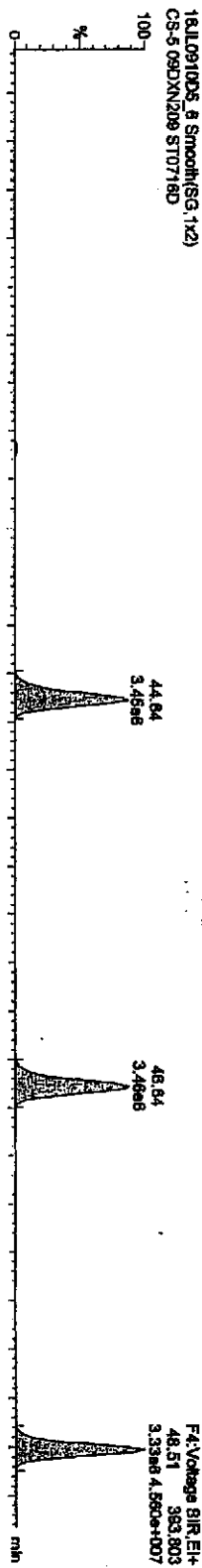


Dataset: C:\MassLynx\Default\proj\CA0718200910D51668MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209

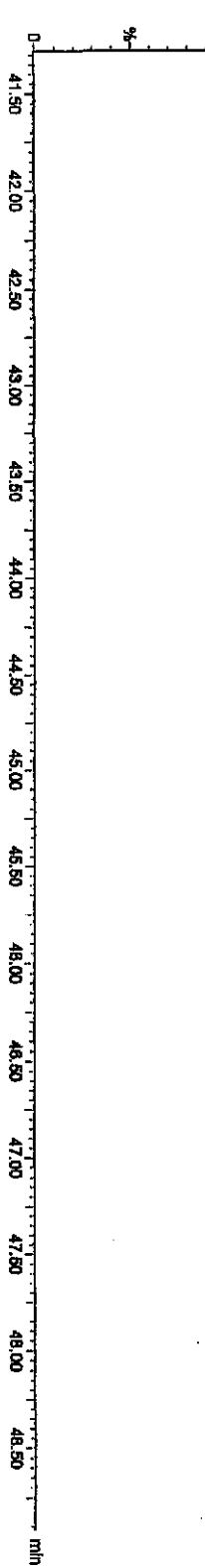
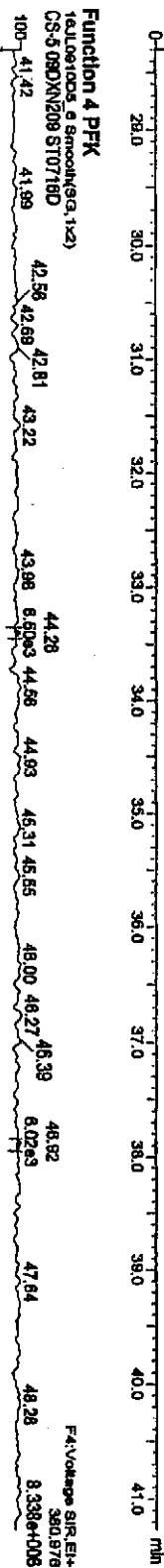
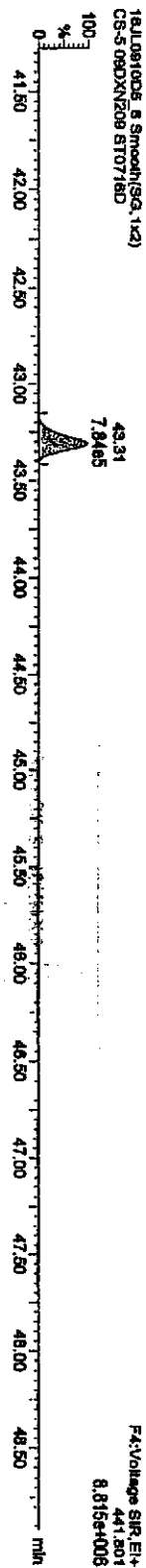
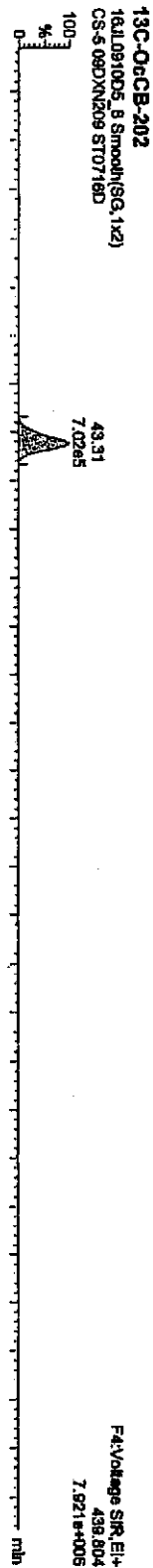
**HplCBA**



Dataset: C:\Masalynx\Default.pro\CA0716200910D51669MSLDEC.qld

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DXN209





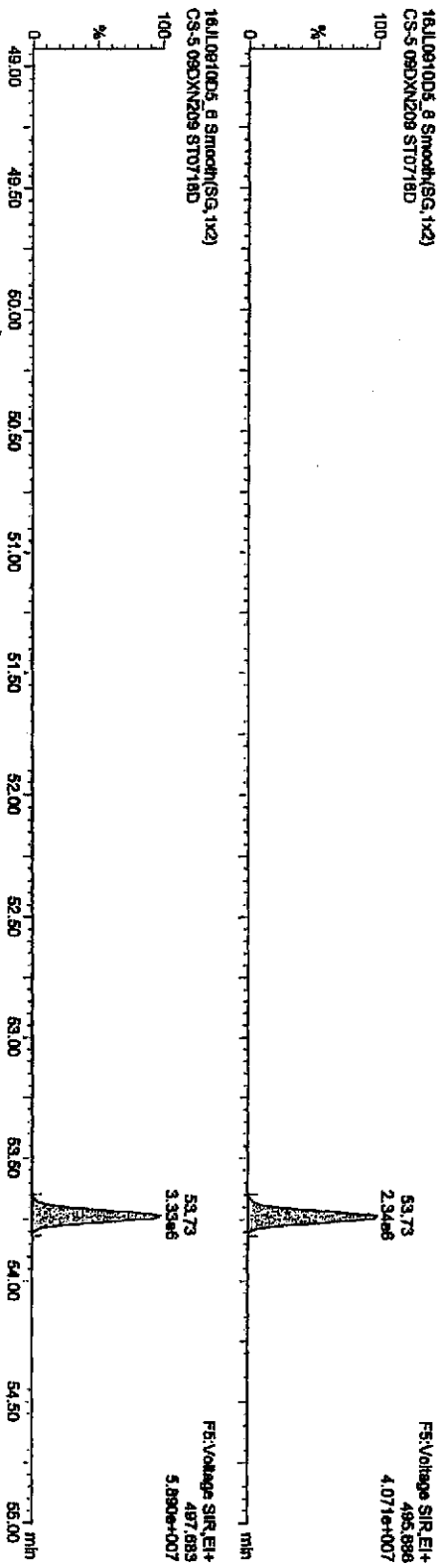
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Last Altered: Thursday, August 27, 2009 16:36:54 Pacific Daylight Time

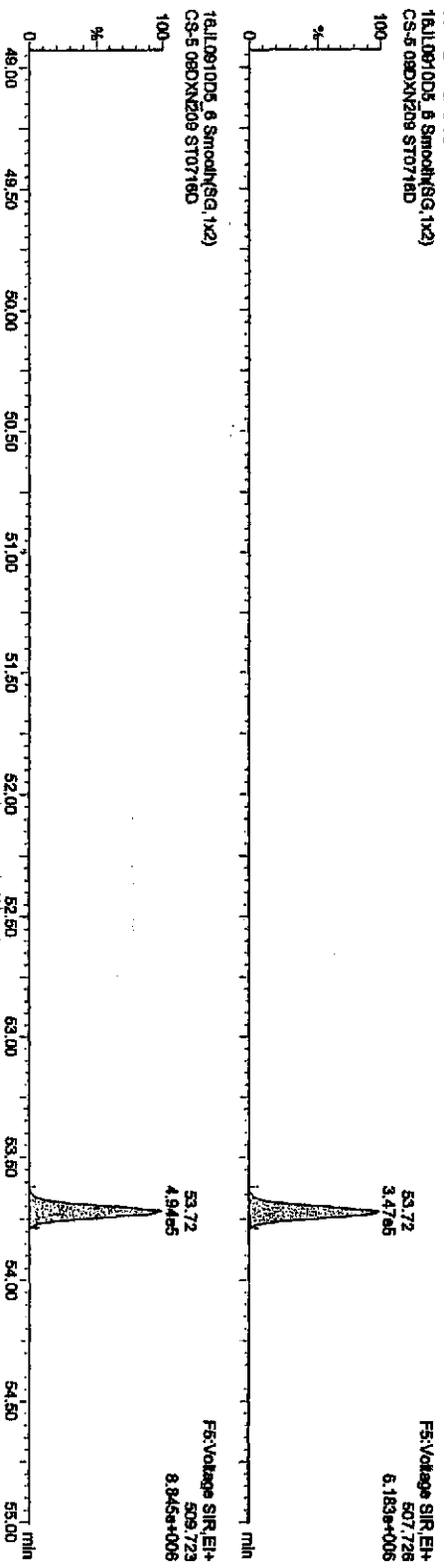
Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

Name: 16LJL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5-09DXN209

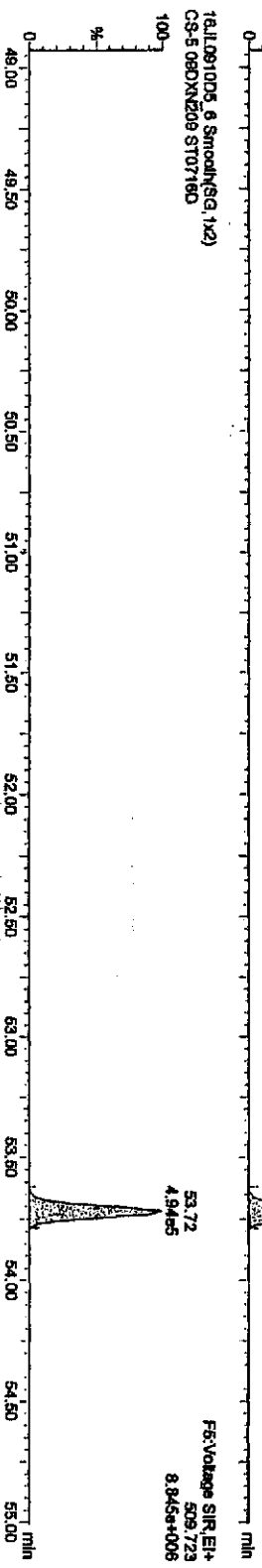
DACB-209  
16LJL0910D5\_6 SmoekHSG, 1x2  
CS-5-09DXN209 ST0716D



13C-DACB-209  
16LJL0910D5\_6 SmoekHSG, 1x2  
CS-5-09DXN209 ST0716D



16LJL0910D5\_6 SmoekHSG, 1x2  
CS-5-09DXN209 ST0716D



Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC.qtd

Last Altered: Thursday, August 27, 2009 16:38:54 Pacific Daylight Time

Printed: Thursday, August 27, 2009 16:54:27 Pacific Daylight Time

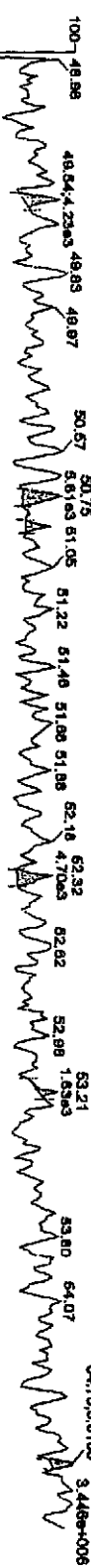
Name: 16JL0910D5\_6, Date: 16-Jul-2009, Time: 16:34:50, ID: ST0716D, Description: CS-5 09DDXN209

Function 5 PFK

16JL0910D5\_6 Smoother(SG, 1x2)

CS-5 09DDXN209 ST0716D

100% 49.98



F5:Voltage SIR.EI+  
480.970  
3.448e+006

49.00 49.50 50.00 50.50 51.00 51.50 52.00 52.50 53.00 53.50 54.00 54.50 55.00 min

Quantity Sample Summary Report MassLynx 4.1

Dataset: C:\MassLynx\Default\prol\CA0716200910D51668MSLDEC2\ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

Method: C:\MassLynx\Default\PROMeth\DB1668MSLDEC10\DB5.mdb 27 Aug 2009 16:34:19  
 Calibration: C:\MassLynx\Default\PRO\Curve\DB1668MSLDEC10\DB51668MSLDEC.cdb 27 Aug 2009 16:38:53

Name: 16Jul0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

# Name	Area	Sample Size	RT	Prod RT	RRF	M	Abs Resp	PI	EMPC	%Rec	EDU	Ratio	Ratio FI	Mod Date
1 13C-PeCB-101	335.924	1.000	31.90	32.13	12419.000	...	1470466.81	118.4006	118.4006	118.4	0.06393	0.65	NO	
2														
3 13C-TeCB-81	301.963	1.000	33.82	33.85	1.03984		1610148.06	105.3037	105.3037	105.3	0.05886	0.79	NO	
4 TeCB-81	289.922	1.000	33.83	33.83	1.45839		2117289.38	80.1658	80.1658	104.5	0.04653	0.74	NO	
5 13C-TeCB-77	301.963	1.000	34.50	34.55	1.10430		1683224.19	103.6572	103.6572	103.7	0.05543	0.79	NO	
6 TeCB-77	269.922	1.000	34.52	34.52	1.27458		1973188.13	91.9719	91.9719	105.7	0.05127	0.76	NO	
7														
8 13C-PeCB-123	335.924	1.000	36.16	36.18	0.99324		1532206.75	104.9083	104.9083	104.9	0.05436	0.63	NO	
9 PeCB-123	323.883	1.000	36.20	36.18	1.50539		1789145.25	76.2688	76.2688	104.5	0.05843	0.62	NO	
10 13C-PeCB-118	335.924	1.000	36.33	36.35	1.02377		1572993.44	104.4883	104.4883	104.5	0.05274	0.64	NO	
11 PeCB-118/108	323.883	1.000	36.37	36.35	1.52582		3508668.50	146.1885	146.1885	105.7	0.05700	0.62	NO	
12 13C-PeCB-114	335.924	1.000	37.12	37.14	1.03891		1612395.63	105.7488	105.7488	105.7	0.05207	0.64	NO	
13 PeCB-114	323.883	1.000	37.15	37.14	1.58928		1671774.44	65.2395	65.2395	105.3	0.05326	0.62	NO	
14 13C-PeCB-105	335.924	1.000	38.19	38.21	0.98151		1520435.63	105.3461	105.3461	105.3	0.05501	0.65	NO	
15 PeCB-105/127	323.883	1.000	38.23	38.21	1.43326		3561897.75	183.4509	183.4509	102.1	0.08446	0.62	NO	
16 13C-PeCB-126	335.924	1.000	40.51	40.56	1.02989		1545906.50	102.0695	102.0695	102.1	0.05242	0.63	NO	
17 PeCB-126	323.883	1.000	40.54	40.54	1.15582		1658692.44	92.8312	92.8312	103.5	0.06124	0.62	NO	
18														
19 13C-OcCB-202	439.804	1.000	43.31	43.51	14106.000	...	1688443.75	119.6951	119.6951	119.7	0.02438	0.90	NO	
20														
21 13C-HxCB-167	371.882	1.000	41.87	41.90	1.00247		1715750.19	101.3672	101.3672	101.4	0.04312	1.27	NO	
22 HxCB-167	359.841	1.000	41.90	41.90	1.34796		1669150.94	71.7388	71.7388	102.9	0.03818	1.08	NO	
23 13C-HxCB-156	371.882	1.000	43.45	43.48	0.78510		1364232.75	102.9140	102.9140	102.9	0.05505	1.29	NO	
24 HxCB-156	359.841	1.000	43.48	43.48	1.68840		1803329.50	78.2908	78.2908	102.5	0.03728	1.23	NO	
25 13C-HxCB-157	371.882	1.000	43.83	43.87	0.83526		1446005.38	102.5319	102.5319	102.5	0.05175	1.29	NO	
26 HxCB-157	359.841	1.000	43.87	43.85	1.65985		1723849.81	71.8229	71.8229	100.3	0.03615	1.22	NO	
27 13C-HxCB-169	371.882	1.000	46.08	46.11	0.87128		1475827.50	100.3211	100.3211	100.3	0.04861	1.26	NO	
28 HxCB-169	359.841	1.000	46.08	46.10	1.09832		1474839.81	90.9875	90.9875	103.5	0.05244	1.21	NO	
29														
30 13C-HxCB-180	405.843	1.000	44.61	44.47	0.68403		1195299.69	103.4944	103.4944	103.5	0.03067	1.04	NO	
31 HxCB-180	393.803	1.000	44.64	44.61	1.30035		1268602.00	81.6184	81.6184	103.5	0.05965	1.04	NO	

Quantity Sample Summary Report

Masslynx 4.1

Dataset: C:\Masslynx\Default\proj\CA0716200910D51668MSLDEC2\ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
 Printed: Thursday, August 27, 2009 17:29:17 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

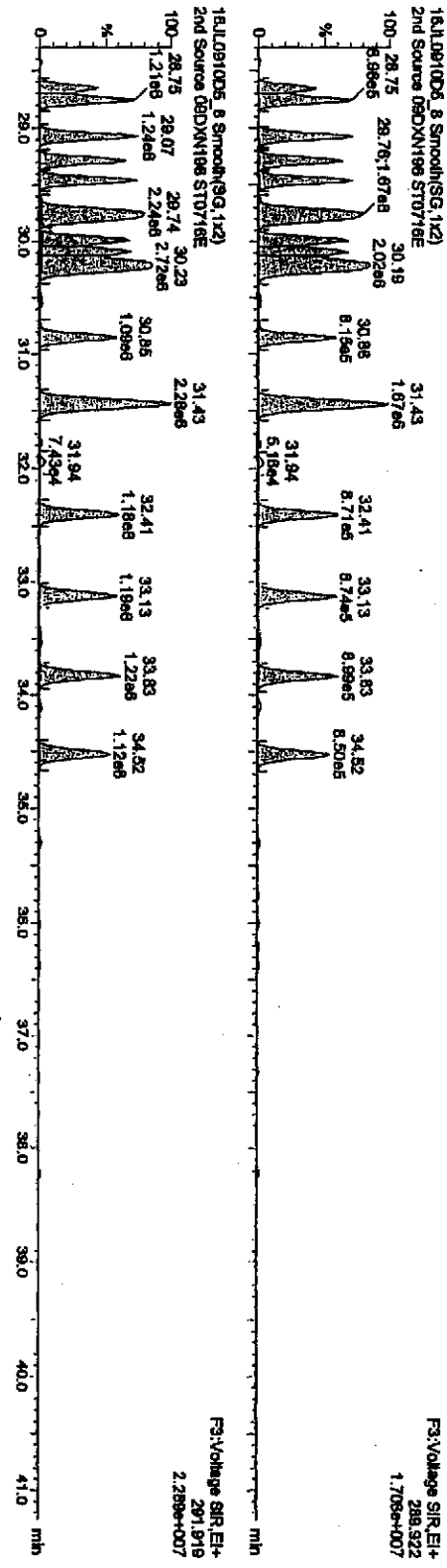
#	Name	Trace	Sample Size	RT	Pd RT	RR	RRM	Abs Resp	ISG	EMPC	%Rec	EDI	Ratio	Ratio FI	Mod Date
32	13C-HpCB-170	405.843	1.000	46.62	46.64	0.54773		966535.94	104.5113	104.5113	104.5	0.03818	1.06	NO	
33	HpCB-170	389.803	1.000	46.65	46.64	1.61501		1170576.13	74.9806	74.9806		0.05831	1.03	NO	
34	13C-HpCB-189	405.843	1.000	48.50	48.48	0.66767		1207214.94	102.4822	102.4822	102.5	0.02997	1.04	NO	
35	HpCB-189	389.803	1.000	48.51	48.53	1.23073		1325001.06	89.1805	89.1805		0.05490	1.04	NO	
36															
37	13C-DecB-209	507.726	1.000	53.73	53.63	0.55323		1015487.63	108.7130	108.7130	108.7	0.02293	0.71	NO	
38	DecB-209	465.686	1.000	53.75	53.76	1.31861		1811907.25	135.3149	135.3149		0.01204	0.70	NO	
39															
40	13C-PeCB-111	335.924	1.000	34.07	33.90	1.30483		1187.90	0.0590		0.1	0.04457	0.68	NO	
41															
42	Function 3 PFK	380.978	1.000												
43	Function 4 PFK	380.978	1.000												
44	Function 5 PFK	480.970	1.000												

Dataset: C:\Masslynx\Default\prof\CA0716200910D51686MSLDEC2ndSource.qld

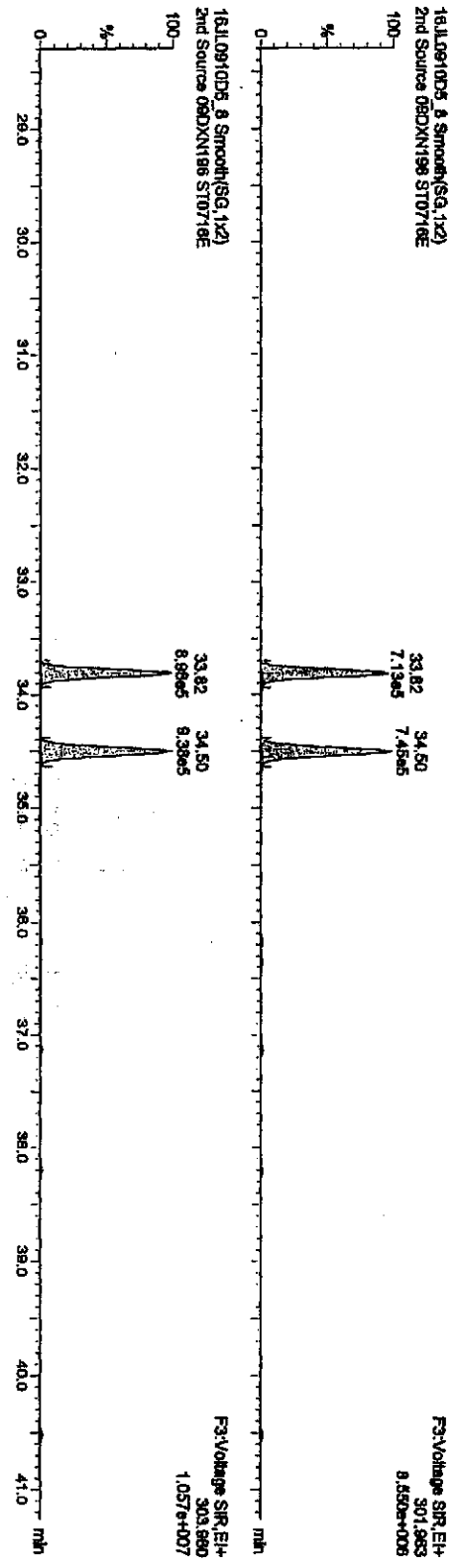
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

**TetraPCBs**



**13C-TetraPCBs**

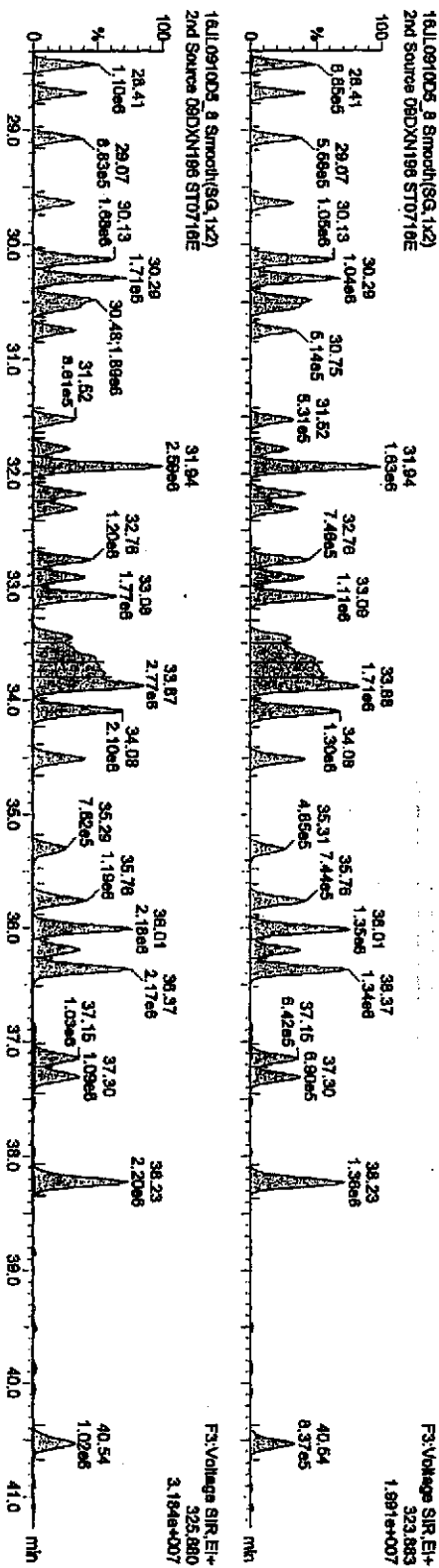


Dataset: C:\MassLynx\Default\proj\CA0718200910D61668MSLDEC2\2ndSource.qld

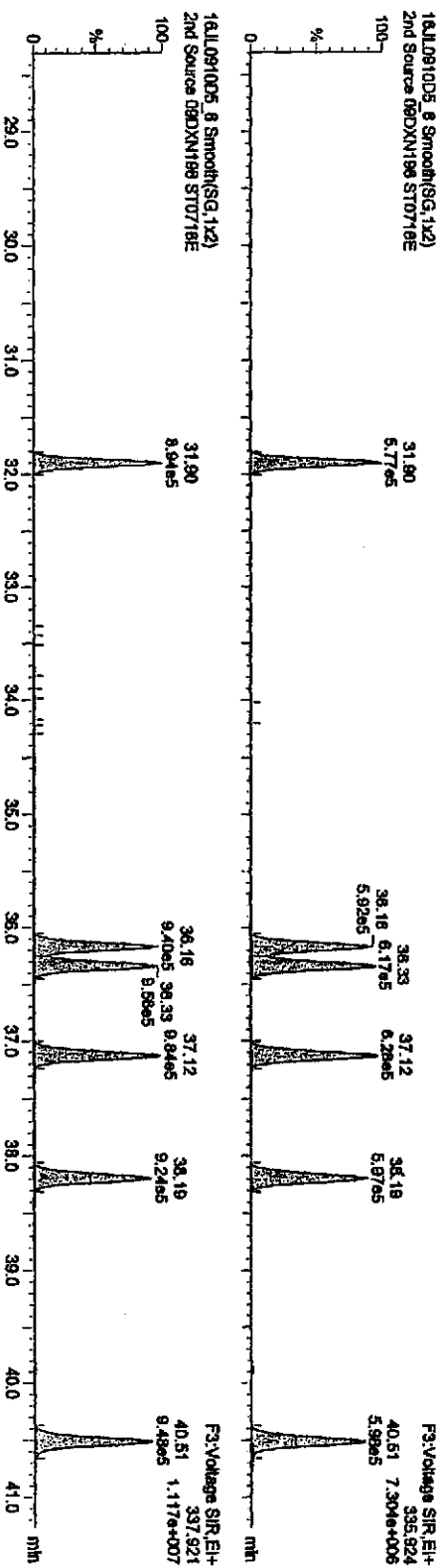
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16LJL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

PapCBs



13C-PapCBs

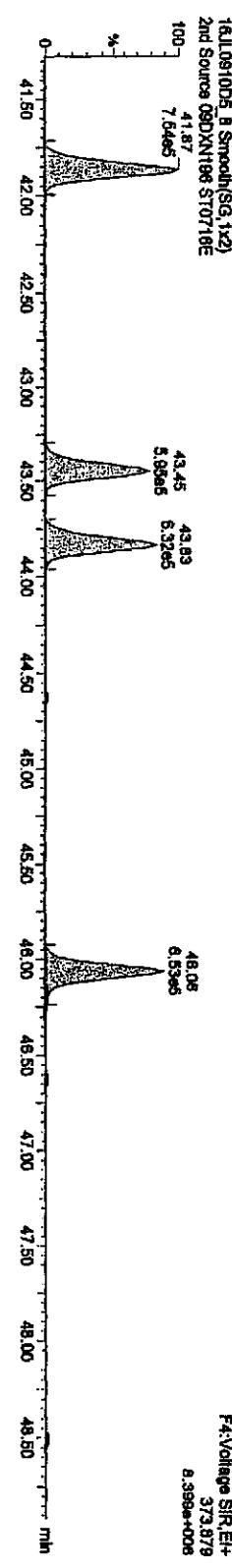
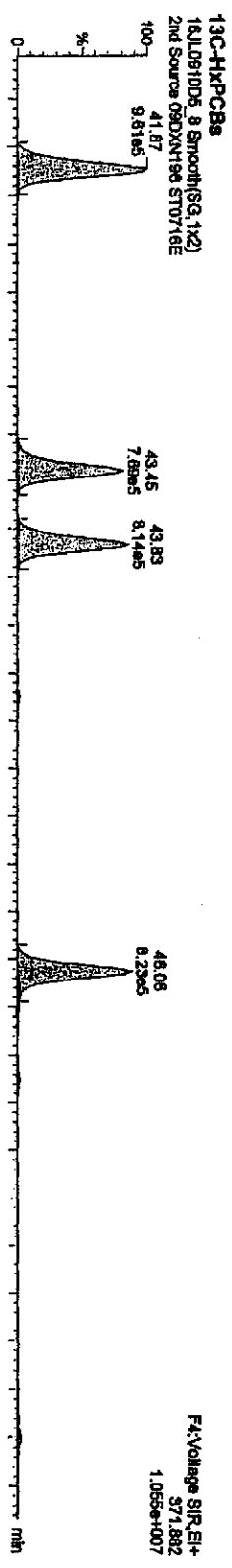
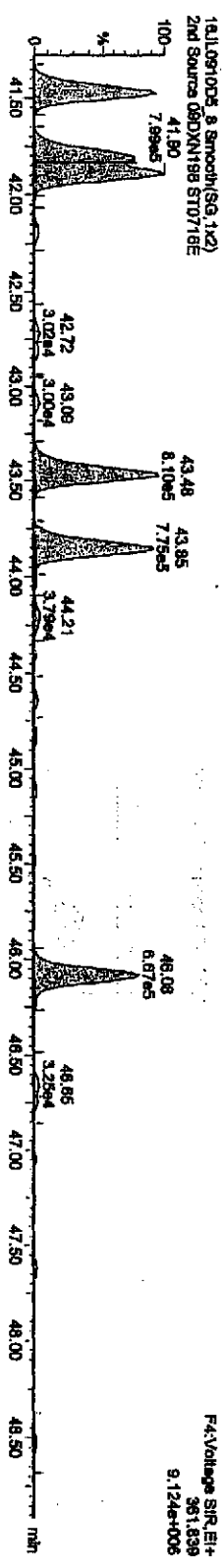


Dataset: C:\Masslynx\Default\prolic\CA0716200910D6166MSLDEC2\ndSource.dkl

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_g, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0718E, Description: 2nd Source 09DXN198

HxPCBs-

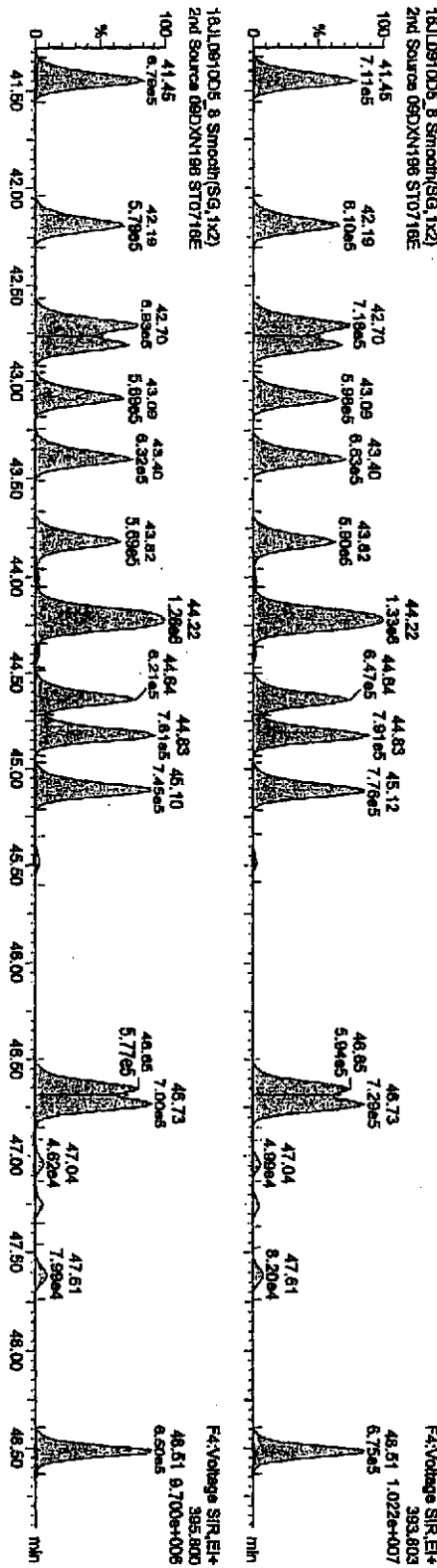


Dataset: C:\MassLynx\Default\prnl\CA0716200910D51668MSLDEC2ndSource.qtd

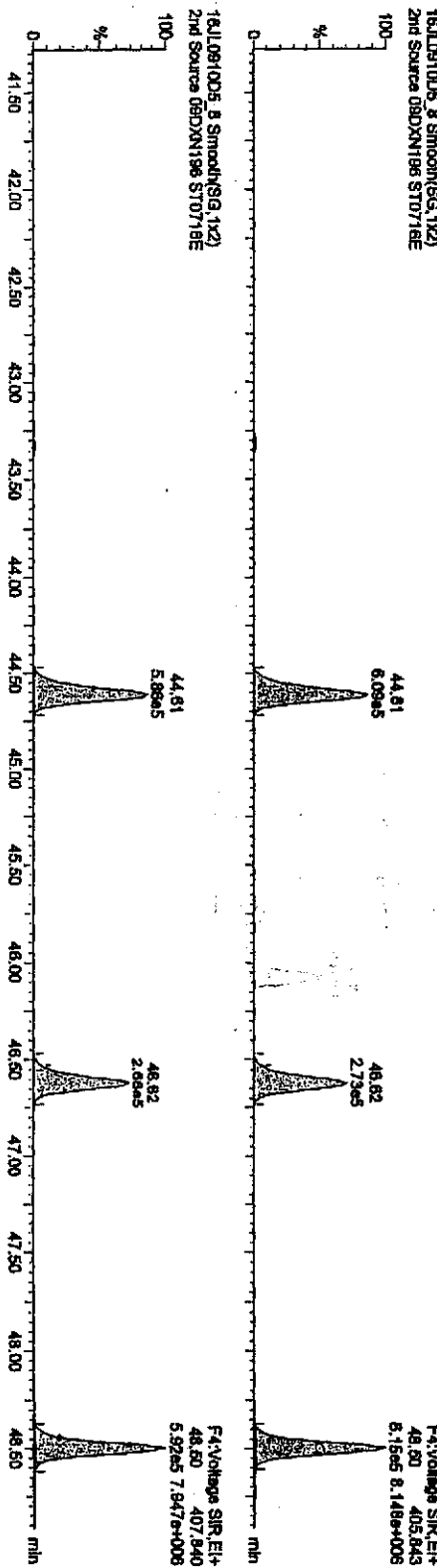
Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_3, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

HppCBs



13C-HppCBs





Dataset: C:\MassLynx\Default\proj\CA07162\00910D5\1668MS\SLDEC2\2ndSource.qld

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16LJ0910D5\_8, Date: 16-Jul-2009, Time: 16:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

13C-OcCB-202

16LJ0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E

43.31  
8.0165

F4:Voltage SIR.EI+  
438.804  
8.944e+008

16LJ0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E

43.31  
8.8985

F4:Voltage SIR.EI+  
441.801  
8.872e+008

Function 3 PFK

16LJ0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E

28.33 29.37 29.57 30.09 30.70

31.75 31.84 32.82 33.38 33.78 34.02 7.22463

34.27 35.63 36.18

37.37 37.81 1.0164

38.31 38.85 39.80 39.84 40.89 8.888e+008

F3:Voltage SIR.EI+  
350.876

Function 4 PFK

16LJ0910D5\_8 Smooth(SG, 1x2)  
2nd Source 09DXN196 ST0716E

41.38 41.58 42.08 42.30

42.48 6.5863

43.11 43.48

44.45

44.97

45.48 45.85

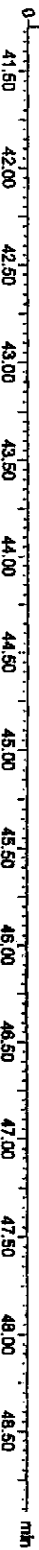
46.14 46.47 46.61

47.27 47.35

48.08 48.35

8.491e+008

F4:Voltage SIR.EI+  
390.876



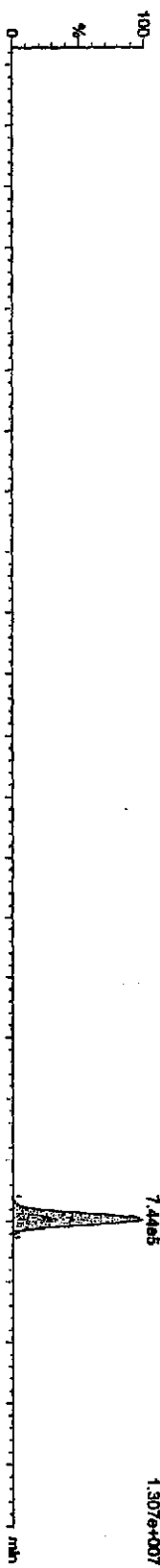
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Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time  
Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JUL0910D6\_8, Date: 16-Jul-2009, Time: 16:30:36, ID: ST0716E, Description: 2nd Source 09DXN196

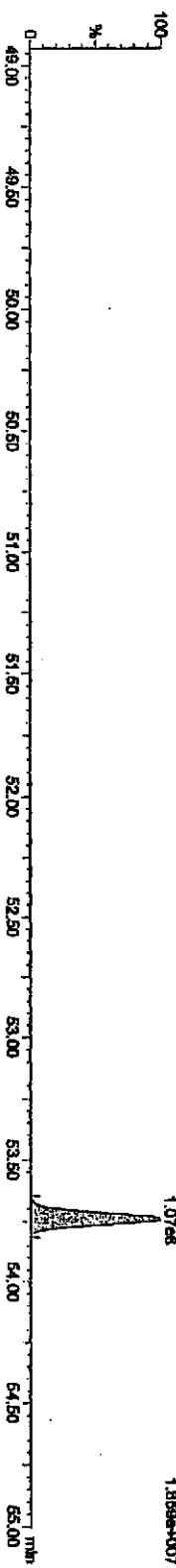
DecB-209

16JUL0910D6\_8 Smoothing(SG, 1x2)  
2nd Source 09DXN196 ST0716E



FS:Voltage SIR\_EI+  
495.686  
1.307e+007

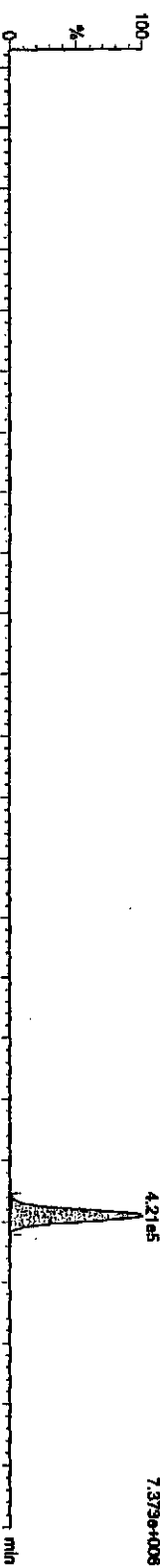
16JUL0910D6\_8 Smoothing(SG, 1x2)  
2nd Source 09DXN196 ST0716E



FS:Voltage SIR\_EI+  
487.683  
1.889e+007

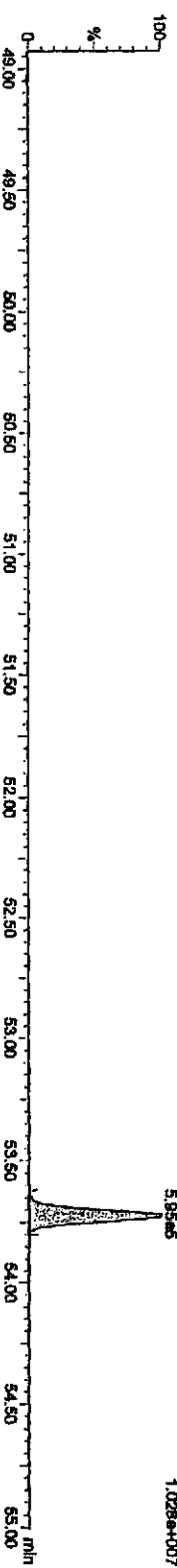
13C-DecB-209

16JUL0910D6\_8 Smoothing(SG, 1x2)  
2nd Source 09DXN196 ST0716E



FS:Voltage SIR\_EI+  
507.726  
7.373e+006

16JUL0910D6\_8 Smoothing(SG, 1x2)  
2nd Source 09DXN196 ST0716E



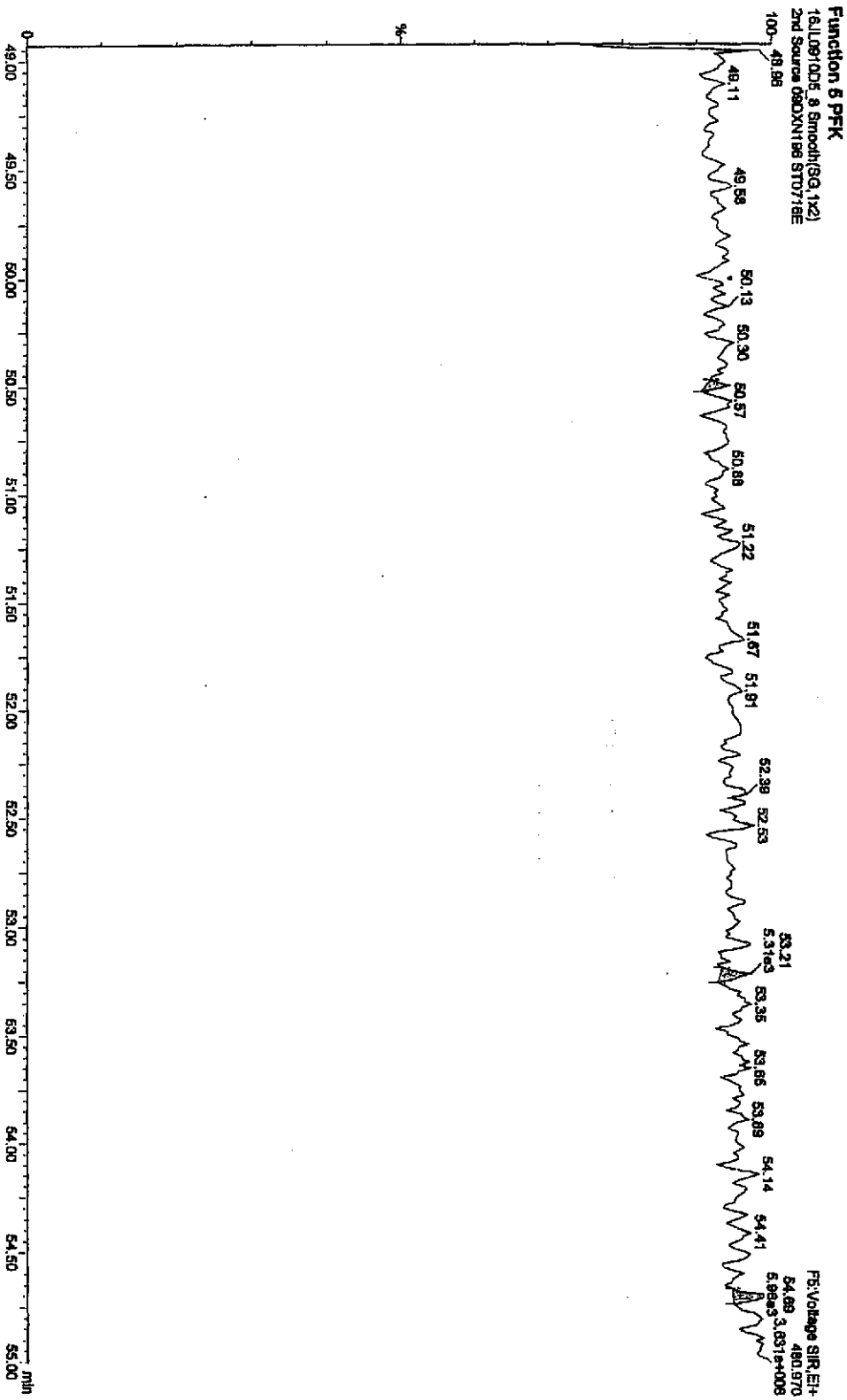
FS:Voltage SIR\_EI+  
509.729  
1.028e+007

Dataset: C:\MassLynx\Default.pro\CA0716200910D51668MSLDEC2ndSource.qtd

Last Altered: Thursday, August 27, 2009 17:27:32 Pacific Daylight Time

Printed: Thursday, August 27, 2009 17:29:43 Pacific Daylight Time

Name: 16JL0910D5\_8, Date: 16-Jul-2009, Time: 18:30:36, ID: ST0718E, Description: 2nd Source 09DXN196



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

Wenck-1668

TestAmerica  
West Sacramento Laboratory

Air Toxics Group  
Laboratory Prep Sheet  
High RES Dioxin/Furans & PCB Analysis

Client: Wenck Lot Number: G9L290454 <sup>466</sup> ~~12/30/09~~ Date: 12/30/09  
Test: 1668 PCBs Batch Number: 9365156 SOP Reference Number: WS-IDP-0013  
Extraction: 1. Soxhlet On: 11:30 Off: 9:30 2. Soxhlet On: N/A Off: N/A

Sample ID	Sample Size	Extraction Date/Init	Soxhlet extraction cycle check	Vortex & Mix Date/Init	Final Volume (mL or $\mu$ L) (circle one)	Final Conc'n
MB	PUF/XAD	EL 12/30/09	EL 12/30/09	/	20.0	/
LCS	↓	↓	↓	/	20.0	/
1	↓	↓	↓	/	20.0	/
2	↓	↓	↓	u	20.0	l
3	↓	↓	↓	1-6-10	20.0	1-6-10
4	↓	↓	↓		20.0	

All Samples/ Internal Standard (IS) addition: Standard Name: 1668 PCB Daily IS Exp.  
 Spike ID Number: 09DXN408 Volume: 200  $\mu$ L  Conc. 20 pg/ $\mu$ L  
 Spiked By: ECL Witnessed By: TP Date: 12/30/09 8/24/10

LCS/LGSD: Standard Name: 1668 PCB Daily NS  
 Spike ID Number: 09DXN303 Volume: 200  $\mu$ L  Conc. 20 pg/ $\mu$ L 6/9/10  
 Spiked By: ECL Witnessed By: TP Date: 12/30/09

Pre-spike samples: MB only Standard Name: PCB Daily Surrogate  
 Spike ID Number: 09DXN284 Volume: 40  $\mu$ L  Conc. 100 pg/ $\mu$ L 4/29/10  
 Spiked By: ECL Witnessed By: TP Date: 12/30/09

All Samples /Recovery Standard: Standard Name: Daily RS  
 Spike ID Number: 09DXN094 Volume: 200  $\mu$ L  Conc. 100  $\mu$ g/ $\mu$ L exp: 1-28-10  
 Spiked By: J Witnessed By: ds Date: 12-10

Split/Archive Analyst/Date	IFB Cleanup Analyst/Date	D2 Cleanup Analyst/Date	PCB SI Gel Analyst/Date	Other (list)
<u>ML/01/06/10</u>			<u>T.L 01/06/10</u>	

Reagent	Supplier	Lot #	Reagent	Supplier	Lot #
DCM	JT Baker	NA	20% DCM:Hexane	NA	NA
<u>Toluene</u>	JT Baker	<u>H37N58</u>	65% DCM:Hexane	NA	NA
Hexane	JT Baker	<u>H33E04</u>	Silica Gel	<u>Whatman</u>	<u>22-22</u>
H2SO4	JT Baker	NA	Acid Alumina	NA	NA

Comments: QC PUF: P120409  
Resin: sup2sv12850

## Preparation Data Review Checklist

Prep Batch(es)

Test: 1668 PCBs

Prep Date: 12/30/09

Holding Times: 12/4/10 - NCM: Y **(N)**  
12/5/10

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	/	/
2. QAS checked for QC instructions (LCS, LCSD, MS, MSD, etc)	/	/
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	/	NA
4. Worksheets have been checked for required spiking compounds	/	/
5. Spiking volumes are correctly documented	/	/
6. Std ID numbers on spike labels match numbers on bench sheet	/	NA
7. Expiration dates have been checked	/	/
8. Calibration expiration dates on pipettors have been checked	/	NA
9. Spiker and spike witness have signed and dated bench sheet	/	/
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	/
2. Balance upload or raw data for weights is included	NA	/
3. Weights and volumes have been transcribed correctly to LIMS.	NA	/
4. Weights are not targeted to meet exact weights.	NA	/
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	/
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	/
2. Are dates and analysts for cleanups recorded?	NA	/
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	/
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	/
2. QuantIMs entry correct, including dates and times.	NA	/
3. Are all fields completed?	NA	/

Spike witness: TR

Date: 12/30/09

2<sup>nd</sup> Level Reviewer: [Signature]

Date: 1/6/10

Comments:

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RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 1/06/10  
Time: 9:59:23

LEV	LEV	LEV	LEV
1	2	1	2
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y

Expanded Deliverable  
COC Completed  
Y Bench Sheet Copied  
Y Bench Sheet Submitted to Analytical Group  
Y Bench Sheet Copied per COC

Extractionist: 403162 erica X. larson

Concentrationist: 006625 Elizabeth Nguyen

\*\*\*\*\*  
\* QC BATCH: 9365156 \*  
\* PREP DATE: 12/30/09 11:30 \*  
\* COMP DATE: 1/06/10 17:00 \*  
\*\*\*\*\*

Reviewer/Date: LARSONE / 12/31/09

PCBs, HRGC/HRMS (1668)  
SOXHELET (NONE, Na2SO4)

EXTR	ANL	LOT#,MSRUN#/ DUE WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	ADJ1	ADJ2	EXTRACTION	VOL	EXCHANGE	VOL	SOLVENTS	SPIKE STANDARD/ SURROGATE ID
12/05/10	1/22/10	G9L290466-001 LRN62-1-AA	D	11	Q8	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	200UL/09DXN408/PCB IS		
12/05/10	1/22/10	G9L290466-002 LRN68-1-AA	D	11	Q8	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	200UL/09DXN408/PCB IS		
12/05/10	1/22/10	G9L290466-003 LRN69-1-AA	D	11	Q8	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	200UL/09DXN408/PCB IS		
12/04/10	1/22/10	G9L290466-004 LRN7A-1-AA	D	11	Q8	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	200UL/09DXN408/PCB IS		
12/05/10	0/00/00	G9L310000-156 LRRDY-1-AAB	D	11	Q8	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	40UL/09DXN284/PCB SURR 200UL/09DXN408/PCB IS		
12/05/10	0/00/00	G9L310000-156 LRRDY-1-ACC	D	11	Q8	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	200UL/09DXN303/PCB NS 200UL/09DXN408/PCB IS		

QC PUF LOT#: P120409; RESIN LOT#: SUP2SV12850  
TOLUENE LOT#: H37N58

R = RUSH C = CLP  
E = EPA 600 D = EXP.DEL)  
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 6

Data Checklist  
HRGCMS/LRGCMS Analyses

THE LEADER IN ENVIRONMENTAL TESTING

Lot ID #: G9L290466 Method ID: 1668  
Sample # \_\_\_\_\_

	<u>DB-5</u>	<u>DB-225</u>
Data Analyst:	<u>AK</u>	_____
Date initiated:	<u>1/25/10</u>	_____
Reviewer:	<u>VJ</u>	_____
Date reviewed:	<u>1.26.10</u>	_____

QA/QC verification:	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Daily standard package(s) present?	<u>/</u>	<u>/</u>	_____	_____
-Method Blank present?	<u>/</u>	<u>/</u>	_____	_____
-LCS/DCS copy present and meets native recovery criteria?	<u>/</u>	<u>/</u>	_____	_____
-Internal standard recoveries within limits?*	<u>/</u>	<u>/</u>	_____	_____
-Ion ratios within + 15% of theoretical values?	<u>/</u>	<u>/</u>	_____	_____
-Other QC (Dup, MS, SD) within specs?*	<u>NA</u>	<u>NA</u>	_____	_____

Sample Analysis:	<u>Initiated</u> DB-5	<u>Reviewed</u> DB-5	<u>Initiated</u> DB-225 (High Res Only)	<u>Reviewed</u> DB-225 (High Res Only)
-Correct sample aliquot used?	<u>/</u>	<u>/</u>	_____	_____
-All raw data present?	<u>/</u>	<u>/</u>	_____	_____
-Standard target DL's used? If RL's are used specify: <u>1000</u>	<u>/</u>	<u>/</u>	_____	_____
-DL's below TDL (LCL (please circle)?	<u>(X)</u>	<u>(X)</u>	_____	_____
-All positives reported at levels greater than method blank DL's?	<u>/</u>	<u>/</u>	_____	_____
-Correct RRF's used for method?	<u>/</u>	<u>/</u>	_____	_____
-Internal standard amounts correct for method?	<u>/</u>	<u>/</u>	_____	_____
-Target analytes are not saturated?	<u>/</u>	<u>/</u>	_____	_____
-Dilution/splitting of extract taken into account?	<u>N</u>	<u>/</u>	_____	_____
-Have dilution calculations been verified?	<u>/</u>	<u>/</u>	_____	_____
-Has a manual calculation for the sequence(s) been verified?	<u>/</u>	<u>/</u>	_____	_____
-Are retention times (RT) correct?	<u>/</u>	<u>/</u>	_____	_____
-Manual integrations checked?	<u>/</u>	<u>/</u>	_____	_____

Comments: (Use other side if necessary)

Q ser NCM

<b>* Recovery limits:</b>		<b>**RPD limits:</b>
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(C14-C16), 25-130%(C17-8), 70-130%(surr.)	50%
PCBs:	25-150%***	50%
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	
Method 1614:	25-150%***	

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

## Sample Dilution Record

Method ID 1668m

Lot # G9L290466

Analyst (Print Name) Saleh Arghestani

Analyst Initials SMN

Date 1-12-10

<u>Sample#</u>	<u>Original F.V.</u> <u>(uL)</u>	<u>Aliquot (uL)</u>	<u>Dilution F.V.</u> <u>(uL)</u>	<u>Dilution Factor</u>
<u>-1 LCS</u>	<u>20</u>	<u>2</u>	<u>20</u>	<u>10X</u>

**Comments:**

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