

October 17, 2010

TestAmerica Project Number: G0J010524

PO/Contract: 2027.07

Ted Splitter
Tronox LLC / AIU Henderson, NV
PO Box 268859
Oklahoma City, OK 73126-8859

Dear Mr. Splitter,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on October 1, 2010. These samples are associated with your Tronox Henderson Air Monitoring project.

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

If you have any questions, please feel free to call me at (916) 374-4383.

Sincerely,



DAVID R. ALLTUCKER
Project Manager

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Case Narrative

TestAmerica West Sacramento Project Number G0J010524

AIR, TO-13, Semivolatile Organics

Sample(s): 2, 4

The following samples were extracted after the holding time at the request of the client..

The Pre-spike surrogate recoveries for 1,2-Dichlorobenzene-d4 were low and outside criteria for the samples listed above. However, the surrogate recoveries in the associated method blank was within established control limits.

AIR, TO-9, Dioxins/Furans

Sample(s): 1, 3

Several analytes in each sample have been qualified with a "Q" flag due to the ion abundance ratios being outside of criteria. The analytes have been reported as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio for these analytes.

Sample(s): 3

The result for 2, 3, 7, 8-TCDF is reported from the confirmation analysis that occurred on October 11, 2010.

There were no other anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

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

QC Parameter Definitions

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

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

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

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

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

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

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

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

Sample Summary

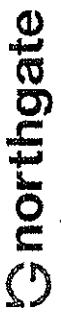
TestAmerica West Sacramento Project Number G0J010524

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
L7VDA	1	UW-09222010B	9/22/2010 02:23 PM	9/23/2010 09:50 AM
L7VDD	2	UW-09222010B	9/22/2010 02:24 PM	9/23/2010 09:50 AM
L7VDE	3	DW-09222010B	9/22/2010 02:47 PM	9/23/2010 09:50 AM
L7VDF	4	DW-09222010B	9/22/2010 02:50 PM	9/23/2010 09:50 AM

Notes(s):

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

Received 9/1/03



northgate environmental management, inc.
300 Frank H. Ogawa Plaza, Ste 310
Oakland, CA 94612 (510) 839-0688

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

COC # 2027.07.0009 Revised 9/23/10
Total # of Samples: 6 Event Complete?

Required Ship to Lab: **Test America Laboratories Inc**
Address: 880 Riverside Parkway, West Sacramento, CA 95695
City: Henderson State, Zip: NV, 89015
Lab Fax: David Altucher
Phone/Fax: (916) 373-5600
Lab Email: David.Altucher@testamericainc.com
Applicable Lab Code #

Required Project Information:
Site ID #: 2102
Project #: 2027.07
Site Address: 550 W. Lake Mead Pkwy
City: Henderson State, Zip: NV, 89015
Lab Name: Test America Laboratories Inc
Address: PO Box 45, Henderson, NV 89009 Phone #: (989) 268-9223
City: Henderson State, Zip: NV, 89015
Lab Fax: Ted Spitzer
Phone/Fax: (916) 435-4609
Lab Email: Ted.Spitzer@tgem.com

Required Invoice Information:
Send Invoice to: Susan Crowley, Trenox LLC.
Address: PO Box 45, Henderson, NV 89009 Phone #: (989) 268-9223
City: Henderson State, Zip: NV, 89015
Lab Name: Frank Hagar, tgem.com
Address: Frank Hagar, tgem.com
City: Henderson State, Zip: NV, 89015
Lab Fax: Ted Spitzer
Phone/Fax: (916) 435-4609
Lab Email: Ted.Spitzer@tgem.com

Send EDD to: Frank Hagar, tgem.com
CC History report to: PDF Electronic Version Only - FTY Upload
CC Hardcopy report to: See Additional Comments Below

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G-RAB C-COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	# OF CONTAINERS	Comments/Lab Sample I.D.	Regular	Rush	15 day	Mark One
UWA-0922010B	AA					9/20/2010	2:27 PM	1	395.51 m3	X			
UWA-0922010B	AA					9/20/2010	2:28 PM	1	393.94 m3	X			
DWA-0922010B	AA					9/20/2010	2:49 PM	1	384.73 m3	X			
DWA-0922010B	AA					9/20/2010	2:48 PM	1	396.3 m3	X			
UWA-09212010B	AA					9/21/2010	2:09 PM	1	388.08 m3	X			
UWA-09212010B	AA					9/21/2010	2:10 PM	1	370.77 m3	X			
DWA-09212010B	AA					9/21/2010	2:28 PM	1	366.85 m3	X			
DWA-09212010B	AA					9/21/2010	2:28 PM	1	381.13 m3	X			
UWA-09222010B	AA					9/22/2010	2:23 PM	1	364.04 m3; HOLD	H			
UWA-09222010B	AA					9/22/2010	2:24 PM	1	364.04 m3; HOLD	H			
DWA-09222010B	AA					9/22/2010	2:47 PM	1	378.3 m3; HOLD	H			
DWA-09222010B	AA					9/22/2010	2:50 PM	1	375.73 m3; HOLD	H			

revised 10/1/03
revised 6/25/01

RELINQUISHED BY/AFFILIATION	DATE	TIME	ACCEPTED BY/AFFILIATION	DATE	TIME	Temp in OC	Samples on Ice?	Sample Intact?	Temp Blank?

Additional Comments/Special Instructions:

SHIPPING INFO: **PRINTER NAME OF SAMPLER** Florida Bailey **DATE SHIPPED** **SAMPLER NAME AND SIGNATURE** Florida Bailey

Alltucker, David

From: David Behnken [david.behnken@ngem.com]
Sent: Friday, October 01, 2010 11:56 AM
To: Alltucker, David; 'Cindy Arnold'
Subject: Change to current Held samples
Importance: High

Hello David.

At this time we would like to take the previously held samples collected on 9/22/10, 9/23/10, 9/24/10, and 9/27/10, off of HOLD for analysis of Dioxins and Hexachlorobenzene. Please let me know if you have any questions or concerns.

Best Regards,
David

David T. Behnken
Project Engineer

Northgate Environmental Management, Inc.
300 Frank H. Ogawa Plaza, Suite 510, Oakland, CA 94612
general (510) 839-0688; fax (510) 839-4350
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e-mail: david.behnken@ngem.com
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TestAmerica

411111 THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST TestAmerica West Sacramento

CLIENT Northgate PM DA LOG # 67116
 LOT# (QUANTIMS ID) 907010524 QUOTE# 84087 LOCATION W14D
~~6022304912V~~ ^{10/1/10} Checked (✓)
 DATE RECEIVED 09/23/10 TIME RECEIVED 0950
 DELIVERED BY FEDEX ON TRAC CLIENT
 GOLDENSTATE UPS GO-GETTERS OTHER
 TAL COURIER TAL SF VALLEY LOGISTICS
 CUSTODY SEAL STATUS INTACT BROKEN N/A
 CUSTODY SEAL #(S) _____
 SHIPPING CONTAINER(S) TAL CLIENT N/A
 COC #(S) _____ See Multi Cooler Checklist
 TEMPERATURE BLANK Observed: _____ Corrected: _____
 SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)
 Observed: _____ Average _____ Corrected Average _____
LABORATORY THERMOMETER ID:
 IR UNIT: #4 #5 OTHER _____

EV 09/23/10
 Initials Date

pH MEASURED YES ANOMALY N/A
 LABELED BY.....
 LABELS CHECKED BY.....
 PEER REVIEW NA
 SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING
 WETCHEM N/A
 VOA-ENCORES N/A
 METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A
 COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH N/A
 APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES
 CLOUSEAU TEMPERATURE EXCEEDED (2 °C – 6 °C)* N/A
 WET ICE BLUE ICE GEL PACK NO COOLING AGENTS USED PM NOTIFIED

EV 09/23/10 01100110
 Initials Date

Notes Resubmittal

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

CLIENT: Northgate

LOT# (QUANTIMS ID): 60323649 / LU100110

Checked (✓)

TEMPERATURE RECORD (IN °C) : IR 4 5 OTHER

COOLER ID 1

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) NA

COC #(S) 2027-07-6009

TEMPERATURE BLANK: OBSERVED: 1 CORRECTED 2

SAMPLE TEMPERATURE:

OBSERVED: NA AVERAGE: _____ CORRECTED _____

SAMPLES / TESTS (IF NCM REQUIRED): _____

TEMPERATURE RECORD (IN °C) IR 4 5 OTHER

COOLER ID 2

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) NA

COC #(S) 2027-07-0808

TEMPERATURE BLANK: OBSERVED: 2 CORRECTED 3

SAMPLE TEMPERATURE:

OBSERVED: NA AVERAGE: _____ CORRECTED _____

SAMPLES / TESTS (IF NCM REQUIRED): _____

TEMPERATURE RECORD (IN °C) IR 4 5 OTHER

COOLER ID _____

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) _____

COC #(S) _____

TEMPERATURE BLANK: OBSERVED: _____ CORRECTED _____

SAMPLE TEMPERATURE:

OBSERVED: _____ AVERAGE: _____ CORRECTED _____

SAMPLES / TESTS (IF NCM REQUIRED): _____

Initials _____ Date _____

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

Lot ID: 909010524

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

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

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

AIR, TO-13, Semivolatile Organics

Northgate Environmental Management, Inc.

Sample ID: UW-09222010B

Trace Level Compounds

Lot - Sample #....:	G0J010524 - 002	Work Order #....:	L7VDD1AA	Matrix....:	AA
Date Sampled....:	09/22/10	Date Received....:	09/23/10	Dilution Factor....:	1
Prep Date....:	10/01/10	Analysis Date....:	10/04/10	Volume....:	364.04
Prep Batch #:	0274373	Instrument ID....:	5MH	Method....:	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	Analyst ID....:	Steven Scott		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Hexachlorobenzene	ND	0.027	0.0036	ug/m3
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4		53	*	60 - 120
2-Fluorobiphenyl		78		58 - 105
2-Fluorophenol		68		41 - 105
Nitrobenzene-d5		71		46 - 118
Phenol-d5		84		43 - 122
Terphenyl-d14		96		69 - 110
2,4,6-Tribromophenol		107		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: DW-09222010B

Trace Level Compounds

Lot - Sample #....:	G0J010524 - 004	Work Order #....:	L7VDF1AA	Matrix....:	AA
Date Sampled....:	09/22/10	Date Received....:	09/23/10	Dilution Factor....:	1
Prep Date....:	10/01/10	Analysis Date....:	10/04/10	Volume....:	379.73
Prep Batch #:	0274373	Instrument ID....:	5MH	Method....:	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	Analyst ID....:	Steven Scott		

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Hexachlorobenzene	0.027	0.026	0.0034	ug/m3
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4		54	*	60 - 120
2-Fluorobiphenyl		69		58 - 105
2-Fluorophenol		56		41 - 105
Nitrobenzene-d5		61		46 - 118
Phenol-d5		76		43 - 122
Terphenyl-d14		98		69 - 110
2,4,6-Tribromophenol		118		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

QC DATA ASSOCIATION SUMMARY

G0J010524

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AA	EPA-2 TO-9		0274374	
002	AA	EPA-2 TO-13		0274373	
003	AA	EPA-2 TO-9		0274374	
004	AA	EPA-2 TO-13		0274373	

Method Blank Report

Trace Level Compounds

Lot - Sample #....: G0J010000 - 373B	Work Order #....: L7VVM1AA	Matrix....: AIR
Date Sampled....: 09/23/10	Date Received....: 09/28/10	Dilution Factor....: 1
Prep Date....: 10/01/10	Analysis Date....: 10/04/10	Volume....: 0
Prep Batch #: 0274373	Instrument ID....: 5MH	Method....: EPA-2 TO-13
Initial Wgt/Vol....: 1 Sample	Analyst ID....: Steven Scott	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>
Hexachlorobenzene	ND	10.0	1.3	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	76	60 - 120
2-Fluorobiphenyl	85	58 - 105
2-Fluorophenol	72	41 - 105
Nitrobenzene-d5	77	46 - 118
Phenol-d5	82	43 - 122
Terphenyl-d14	93	69 - 110
2,4,6-Tribromophenol	100	61 - 118

QUALIFIERS

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...: G0J010524	Work Order # ...: L7VVM1AC-LCS	Matrix : AIR
LCS Lot-Sample# : G0J010000 - 373	L7VVM1AD-LCSD	
Prep Date : 10/01/10	Analysis Date ..: 10/04/10	
Prep Batch # ...: 0274373		
Dilution Factor : 1		
Analyst ID.....: Steven Scott	Instrument ID..: 5MH	Method.....: EPA-2 TO-13
Initial Wgt/Vol: 1 Sample		

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>
Hexachlorobenzene	100	96.3	ug	96	(70 - 110)		
	100	96.3	ug	96	(70 - 110)	0.010	(0 - 30)
<u>SURROGATE</u>				<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
2-Fluorobiphenyl				92	(58 - 105)		
				89	(58 - 105)		
2-Fluorophenol				81	(41 - 105)		
				80	(41 - 105)		
Nitrobenzene-d5				85	(46 - 118)		
				83	(46 - 118)		
Phenol-d5				90	(43 - 122)		
				87	(43 - 122)		
Terphenyl-d14				88	(69 - 110)		
				89	(69 - 110)		
2,4,6-Tribromophenol				107	(61 - 118)		
				108	(61 - 118)		

Notes:

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

Bold print denotes control parameters

AIR, TO-9, Dioxins/Furans

Northgate Environmental Management, Inc.

Sample ID: UW-09222010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....: G0J010524 - 001
 Date Sampled....: 09/22/10
 Prep Date....: 10/01/10
 Prep Batch #: 0274374
 Initial Wgt/Vol : 1 Sample

Work Order #....: L7VDA1AA
 Date Received....: 09/23/10
 Analysis Date....: 10/08/10
 Dilution Factor....: 1
 Analyst ID....: Sylvia H. Krenn

Matrix....: AA
 Instrument ID....: 1D5
 Volume....: 364.04
 Units.....: pg/m3

PARAMETER	RESULT	REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	20	1.0	0
Total TCDD	ND	20		0
1,2,3,7,8-PeCDD	ND	100	1.0	0
Total PeCDD	ND	100		0
1,2,3,4,7,8-HxCDD	ND	100	0.1	0
1,2,3,6,7,8-HxCDD	ND	100	0.1	0
1,2,3,7,8,9-HxCDD	ND	100	0.1	0
Total HxCDD	ND	100		0
1,2,3,4,6,7,8-HpCDD	9.3 JB	100	0.01	0.00026
Total HpCDD	9.3	100		
OCDD	21 J Q B	200	0.0003	0.000017
2,3,7,8-TCDF	ND	20	0.1	0
Total TCDF	ND	20		0
1,2,3,7,8-PeCDF	ND	100	0.03	0
2,3,4,7,8-PeCDF	ND	100	0.3	0
Total PeCDF	ND	100		0
1,2,3,4,7,8-HxCDF	ND	100	0.1	0
1,2,3,6,7,8-HxCDF	ND	100	0.1	0
2,3,4,6,7,8-HxCDF	ND	100	0.1	0
1,2,3,7,8,9-HxCDF	ND	100	0.1	0
Total HxCDF	ND	100		0
1,2,3,4,6,7,8-HpCDF	13 J Q	100	0.01	0.00036
1,2,3,4,7,8,9-HpCDF	ND	100	0.01	0
Total HpCDF	13	100		
OCDF	22 J Q	200	0.0003	0.000018
Total TEQ Concentration				0.00065

Northgate Environmental Management, Inc.

Sample ID: UW-09222010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....: G0J010524 - 001
Date Sampled....: 09/22/10
Prep. Date....: 10/01/10
Prep Batch #: 0274374
Initial Wgt/Vol : 1 Sample

Work Order #....: L7VDA1AA
Date Received....: 09/23/10
Analysis Date....: 10/08/10
Dilution Factor....: 1
Analyst ID....: Sylvia H. Krenn

Matrix....: AA
Instrument ID....: 1D5
Volume....: 364.04
Units....: pg/m3

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	115	50 - 120
13C-1,2,3,6,7,8-HxCDD	103	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	104	40 - 120
13C-OCDD	113	40 - 120
13C-2,3,7,8-TCDF	83	50 - 120
13C-1,2,3,7,8-PeCDF	102	50 - 120
13C-1,2,3,4,7,8-HxCDF	95	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	88	40 - 120

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	110	50 - 120

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Notes:

WHO TEFs for human risk assessment based on the conclusions of the World Health Organization meeting in Geneva, Switzerland, June 2005.

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: UW-09222010B

Trace Level Compounds

Lot - Sample #....:	G0J010524 - 001	Work Order #....:	L7VDA1AA	Matrix....:	AA
Date Sampled....:	09/22/10	Date Received....:	09/23/10	Dilution Factor....:	1
Prep Date....:	10/01/10	Analysis Date....:	10/08/10	Volume....:	364.04
Prep Batch #:	0274374	Instrument ID....:	1D5	Method....:	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	Analyst ID....:	Sylvia H. Krenn		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.055	0.012	pg/m3
Total TCDD	ND		0.055	0.012	pg/m3
1,2,3,7,8-PeCDD	ND		0.27	0.015	pg/m3
Total PeCDD	ND		0.27	0.015	pg/m3
1,2,3,4,7,8-HxCDD	ND		0.27	0.030	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.27	0.030	pg/m3
1,2,3,7,8,9-HxCDD	ND		0.27	0.026	pg/m3
Total HxCDD	ND		0.27	0.030	pg/m3
1,2,3,4,6,7,8-HpCDD	0.026	J B	0.27	0.019	pg/m3
Total HpCDD	0.026		0.27	0.019	pg/m3
OCDD	0.058	J Q B	0.55	0.021	pg/m3
2,3,7,8-TCDF	ND		0.055	0.0096	pg/m3
Total TCDF	ND		0.055	0.0096	pg/m3
1,2,3,7,8-PeCDF	ND		0.27	0.011	pg/m3
2,3,4,7,8-PeCDF	ND		0.27	0.012	pg/m3
Total PeCDF	ND		0.27	0.012	pg/m3
1,2,3,4,7,8-HxCDF	ND		0.27	0.027	pg/m3
1,2,3,6,7,8-HxCDF	ND		0.27	0.024	pg/m3
2,3,4,6,7,8-HxCDF	ND		0.27	0.026	pg/m3
1,2,3,7,8,9-HxCDF	ND		0.27	0.026	pg/m3
Total HxCDF	ND		0.27	0.027	pg/m3
1,2,3,4,6,7,8-HpCDF	0.036	J Q	0.27	0.021	pg/m3
1,2,3,4,7,8,9-HpCDF	ND		0.27	0.024	pg/m3
Total HpCDF	0.036		0.27	0.022	pg/m3
OCDF	0.061	J Q	0.55	0.020	pg/m3

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	115	50 - 120
13C-1,2,3,6,7,8-HxCDD	103	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	104	40 - 120
13C-OCDD	113	40 - 120
13C-2,3,7,8-TCDF	83	50 - 120
13C-1,2,3,7,8-PeCDF	102	50 - 120
13C-1,2,3,4,7,8-HxCDF	95	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	88	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37C14-2,3,7,8-TCDD	110	50 - 120

Northgate Environmental Management, Inc.

Sample ID: UW-09222010B

Trace Level Compounds

Lot - Sample #....:	G0J010524 - 001	Work Order #....:	L7VDA1AA	Matrix....:	AA
Date Sampled....:	09/22/10	Date Received....:	09/23/10	Dilution Factor....:	1
Prep Date....:	10/01/10	Analysis Date....:	10/08/10	Volume....:	364.04
Prep Batch #:	0274374	Instrument ID....:	1D5	Method....:	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	Analyst ID....:	Sylvia H. Krenn		

QUALIFIERS

- B Method blank contamination The associated method blank contains the target analyte at a reportable level.
- J Estimated Result
- Q Estimated maximum possible concentration (EMPC).

Northgate Environmental Management, Inc.

Sample ID: DW-09222010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....: G0J010524 - 003
 Date Sampled....: 09/22/10
 Prep Date....: 10/01/10
 Prep Batch #: 0274374
 Initial Wgt/Vol : 1 Sample

Work Order #....: L7VDE1AA
 Date Received....: 09/23/10
 Analysis Date....: 10/12/10
 Dilution Factor....: 2
 Analyst ID....: Sylvia H. Krenn

Matrix....: AA
 Instrument ID....: 4D5
 Volume....: 376.9
 Units.....: pg/m3

PARAMETER	RESULT	REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	10 J	20	1.0	0.027
Total TCDD	340	20		
1,2,3,7,8-PeCDD	32 J	100	1.0	0.085
Total PeCDD	320	100		
1,2,3,4,7,8-HxCDD	24 J	100	0.1	0.0064
1,2,3,6,7,8-HxCDD	35 J	100	0.1	0.0093
1,2,3,7,8,9-HxCDD	32 J	100	0.1	0.0085
Total HxCDD	290	100		
1,2,3,4,6,7,8-HpCDD	150 B	100	0.01	0.0040
Total HpCDD	240	100		
OCDD	170 J B	200	0.0003	0.00014
2,3,7,8-TCDF	250 CON	20	0.1	0.066
Total TCDF	3600	20		
1,2,3,7,8-PeCDF	420	100	0.03	0.033
2,3,4,7,8-PeCDF	210	100	0.3	0.17
Total PeCDF	3200	100		
1,2,3,4,7,8-HxCDF	800	100	0.1	0.21
1,2,3,6,7,8-HxCDF	570	100	0.1	0.15
2,3,4,6,7,8-HxCDF	120 B	100	0.1	0.032
1,2,3,7,8,9-HxCDF	120 B	100	0.1	0.032
Total HxCDF	4300	100		
1,2,3,4,6,7,8-HpCDF	2500	100	0.01	0.066
1,2,3,4,7,8,9-HpCDF	950	100	0.01	0.025
Total HpCDF	4900	100		
OCDF	5300	200	0.0003	0.0042
Total TEQ Concentration				0.93

Northgate Environmental Management, Inc.

Sample ID: DW-09222010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0J010524 - 003	Work Order #....:	L7VDE1AA	Matrix....:	AA
Date Sampled....:	09/22/10	Date Received....:	09/23/10	Instrument ID....:	4D5
Prep Date....:	10/01/10	Analysis Date....:	10/12/10	Volume....:	376.9
Prep Batch #:	0274374	Dilution Factor....:	2	Units....:	pg/m3
Initial Wgt/Vol :	1 Sample	Analyst ID....:	Sylvia H. Krenn		

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	97	50 - 120
13C-1,2,3,7,8-PeCDD	96	50 - 120
13C-1,2,3,6,7,8-HxCDD	92	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	95	40 - 120
13C-OCDD	93	40 - 120
13C-2,3,7,8-TCDF	92	50 - 120
13C-1,2,3,7,8-PeCDF	105	50 - 120
13C-1,2,3,4,7,8-HxCDF	80	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	90	40 - 120

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	104	50 - 120

QUALIFIERS

Results and reporting limits have been adjusted for dry weight

Notes:

WHO TEFs for human risk assessment based on the conclusions of the World Health Organization meeting in Geneva, Switzerland, June 2005.

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level
- CON Confirmation analysis
- J Estimated Result

Northgate Environmental Management, Inc.

Sample ID: DW-09222010B

Trace Level Compounds

Lot - Sample #....:	G0J010524 - 003	Work Order #....:	L7VDE1AA	Matrix....:	AA
Date Sampled....:	09/22/10	Date Received....:	09/23/10	Dilution Factor....:	2
Prep Date....:	10/01/10	Analysis Date....:	10/12/10	Volume....:	376.9
Prep Batch #:	0274374	Instrument ID....:	4D5	Method....:	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	Analyst ID....:	Sylvia H. Krenn		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	0.027	J	0.053	0.0053	pg/m3
Total TCDD	0.89		0.053	0.0053	pg/m3
1,2,3,7,8-PeCDD	0.084	J	0.27	0.011	pg/m3
Total PeCDD	0.85		0.27	0.011	pg/m3
1,2,3,4,7,8-HxCDD	0.063	J	0.27	0.0050	pg/m3
1,2,3,6,7,8-HxCDD	0.094	J	0.27	0.0045	pg/m3
1,2,3,7,8,9-HxCDD	0.084	J	0.27	0.0045	pg/m3
Total HxCDD	0.78		0.27	0.0048	pg/m3
1,2,3,4,6,7,8-HpCDD	0.40	B	0.27	0.0056	pg/m3
Total HpCDD	0.62		0.27	0.0056	pg/m3
OCDD	0.46	J B	0.53	0.0082	pg/m3
2,3,7,8-TCDF	0.66	CON	0.053	0.013	pg/m3
Total TCDF	9.6		0.053	0.0085	pg/m3
1,2,3,7,8-PeCDF	1.1		0.27	0.025	pg/m3
2,3,4,7,8-PeCDF	0.56		0.27	0.025	pg/m3
Total PeCDF	8.6		0.27	0.025	pg/m3
1,2,3,4,7,8-HxCDF	2.1		0.27	0.023	pg/m3
1,2,3,6,7,8-HxCDF	1.5		0.27	0.021	pg/m3
2,3,4,6,7,8-HxCDF	0.32	B	0.27	0.022	pg/m3
1,2,3,7,8,9-HxCDF	0.31	B	0.27	0.025	pg/m3
Total HxCDF	11		0.27	0.023	pg/m3
1,2,3,4,6,7,8-HpCDF	6.5		0.27	0.024	pg/m3
1,2,3,4,7,8,9-HpCDF	2.5		0.27	0.029	pg/m3
Total HpCDF	13		0.27	0.026	pg/m3
OCDF	14		0.53	0.0056	pg/m3

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	97	50 - 120
13C-1,2,3,7,8-PeCDD	96	50 - 120
13C-1,2,3,6,7,8-HxCDD	92	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	95	40 - 120
13C-OCDD	93	40 - 120
13C-2,3,7,8-TCDF	92	50 - 120
13C-1,2,3,7,8-PeCDF	105	50 - 120
13C-1,2,3,4,7,8-HxCDF	80	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	90	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37C14-2,3,7,8-TCDD	104	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-09222010B

Trace Level Compounds

Lot - Sample #....:	G0J010524 - 003	Work Order #....:	L7VDE1AA	Matrix....:	AA
Date Sampled....:	09/22/10	Date Received....:	09/23/10	Dilution Factor....:	2
Prep Date....:	10/01/10	Analysis Date....:	10/12/10	Volume....:	376.9
Prep Batch #:	0274374	Instrument ID....:	4D5	Method....:	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	Analyst ID....:	Sylvia H. Krenn		

QUALIFIERS

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- CON Confirmation analysis
- J Estimated Result.

QC DATA ASSOCIATION SUMMARY

G0J010524

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AA	EPA-2 TO-9		0274374	
002	AA	EPA-2 TO-13		0274373	
003	AA	EPA-2 TO-9		0274374	
004	AA	EPA-2 TO-13		0274373	

Method Blank Report

Trace Level Compounds

Lot - Sample #....: G0J010000 - 374B	Work Order #....: L7VVQ1AA	Matrix....: AIR
Date Sampled....: 09/23/10	Date Received....: 09/28/10	Dilution Factor....: 1
Prep Date....: 10/01/10	Analysis Date....: 10/06/10	Volume....: 0
Prep Batch #: 0274374	Instrument ID....: 1D5	Method....: EPA-2 TO-9
Initial Wgt/Vol....: 1 Sample	Analyst ID....: Sylvia H. Krenn	

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	20	1.7	pg
Total TCDD	ND	20	1.7	pg
1,2,3,7,8-PeCDD	ND	100	2.5	pg
Total PeCDD	ND	100	2.5	pg
1,2,3,4,7,8-HxCDD	ND	100	1.4	pg
1,2,3,6,7,8-HxCDD	ND	100	1.4	pg
1,2,3,7,8,9-HxCDD	ND	100	1.2	pg
Total HxCDD	ND	100	1.4	pg
1,2,3,4,6,7,8-HpCDD	2.3 J	100	1.0	pg
Total HpCDD	2.3	100	1.0	pg
OCDD	3.4 J Q	200	1.6	pg
2,3,7,8-TCDF	ND	20	0.81	pg
Total TCDF	ND	20	0.81	pg
1,2,3,7,8-PeCDF	ND	100	1.3	pg
2,3,4,7,8-PeCDF	ND	100	1.4	pg
Total PeCDF	ND	100	1.9	pg
1,2,3,4,7,8-HxCDF	ND	100	0.88	pg
1,2,3,6,7,8-HxCDF	ND	100	0.72	pg
2,3,4,6,7,8-HxCDF	0.88 J Q	100	0.79	pg
1,2,3,7,8,9-HxCDF	1.2 J Q	100	0.79	pg
Total HxCDF	2.1	100	0.79	pg
1,2,3,4,6,7,8-HpCDF	ND	100	1.7	pg
1,2,3,4,7,8,9-HpCDF	ND	100	1.4	pg
Total HpCDF	ND	100	1.7	pg
OCDF	ND	200	1.4	pg

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	97	50 - 120
13C-1,2,3,7,8-PeCDD	112	50 - 120
13C-1,2,3,6,7,8-HxCDD	101	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	98	40 - 120
13C-OCDD	97	40 - 120
13C-2,3,7,8-TCDF	103	50 - 120
13C-1,2,3,7,8-PeCDF	113	50 - 120
13C-1,2,3,4,7,8-HxCDF	106	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	98	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37C14-2,3,7,8-TCDD	118	50 - 120

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0J010000 - 374B	Work Order #....:	L7VVQ1AA	Matrix....:	AIR
Date Sampled....:	09/23/10	Date Received....:	09/28/10	Dilution Factor....:	1
Prep Date....:	10/01/10	Analysis Date....:	10/06/10	Volume....:	0
Prep Batch #:	0274374	Instrument ID....:	1D5	Method....:	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	Analyst ID....:	Sylvia H. Krenn		

QUALIFIERS

- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0J010524	Work Order # ...:	L7VVQ1AC-LCS	Matrix	AIR
LCS Lot-Sample# :	G0J010000 - 374		L7VVQ1AD-LCSD		
Prep Date	10/01/10	Analysis Date ..:	10/06/10		
Prep Batch # ...:	0274374				
Dilution Factor :	1				
Analyst ID.....:	Sylvia H. Krenn	Instrument ID...:	1D5	Method.....:	EPA-2 TO-9
Initial Wgt/Vol:	1 Sample				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	400	452	pg	113	(70 - 130)		
	400	433	pg	108	(70 - 130)	4.1	(0 - 30)
1,2,3,7,8-PeCDD	2000	2200	pg	110	(70 - 130)		
	2000	2200	pg	110	(70 - 130)	0.29	(0 - 30)
1,2,3,4,7,8-HxCDD	2000	2260	pg	113	(70 - 130)		
	2000	2380	pg	119	(70 - 130)	5.0	(0 - 30)
1,2,3,6,7,8-HxCDD	2000	2270	pg	114	(70 - 130)		
	2000	2220	pg	111	(70 - 130)	2.2	(0 - 30)
1,2,3,7,8,9-HxCDD	2000	2090	pg	104	(70 - 130)		
	2000	2120	pg	106	(70 - 130)	1.3	(0 - 30)
1,2,3,4,6,7,8-HpCDD	2000	2270	pg	113	(70 - 130)		
	2000	2210	pg	110	(70 - 130)	2.6	(0 - 30)
OCDD	4000	4090	pg	102	(70 - 130)		
	4000	4080	pg	102	(70 - 130)	0.36	(0 - 30)
2,3,7,8-TCDF	400	423	pg	106	(70 - 130)		
	400	440	pg	110	(70 - 130)	3.9	(0 - 30)
1,2,3,7,8-PeCDF	2000	2300	pg	115	(70 - 130)		
	2000	2290	pg	115	(70 - 130)	0.41	(0 - 30)
2,3,4,7,8-PeCDF	2000	2240	pg	112	(70 - 130)		
	2000	2340	pg	117	(70 - 130)	4.3	(0 - 30)
1,2,3,4,7,8-HxCDF	2000	2140	pg	107	(70 - 130)		
	2000	2150	pg	108	(70 - 130)	0.70	(0 - 30)
1,2,3,6,7,8-HxCDF	2000	1900	pg	95	(70 - 130)		
	2000	1970	pg	98	(70 - 130)	3.2	(0 - 30)
2,3,4,6,7,8-HxCDF	2000	2030	pg	102	(70 - 130)		
	2000	2030	pg	102	(70 - 130)	0.030	(0 - 30)
1,2,3,7,8,9-HxCDF	2000	1960	pg	98	(70 - 130)		
	2000	2000	pg	100	(70 - 130)	2.0	(0 - 30)
1,2,3,4,6,7,8-HpCDF	2000	2310	pg	116	(70 - 130)		
	2000	2320	pg	116	(70 - 130)	0.37	(0 - 30)
1,2,3,4,7,8,9-HpCDF	2000	2100	pg	105	(70 - 130)		
	2000	2040	pg	102	(70 - 130)	2.6	(0 - 30)
OCDF	4000	3760	pg	94	(70 - 130)		
	4000	3770	pg	94	(70 - 130)	0.050	(0 - 30)
<u>INTERNAL STANDARD</u>				<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
13C-2,3,7,8-TCDD				88	(50 - 120)		
				94	(50 - 120)		
13C-1,2,3,7,8-PeCDD				106	(50 - 120)		
				116	(50 - 120)		
13C-1,2,3,6,7,8-HxCDD				94	(50 - 120)		

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...: G0J010524
LCS Lot-Sample#: G0J010000 - 374

Work Order # ...: L7VVQ1AC-LCS
 L7VVQ1AD-LCSD

Matrix: AIR

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
	98	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDD	76	(40 - 120)
	86	(40 - 120)
13C-OCDD	77	(40 - 120)
	88	(40 - 120)
13C-2,3,7,8-TCDF	92	(50 - 120)
	101	(50 - 120)
13C-1,2,3,7,8-PeCDF	107	(50 - 120)
	115	(50 - 120)
13C-1,2,3,4,7,8-HxCDF	93	(50 - 120)
	99	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDF	79	(40 - 120)
	88	(40 - 120)

Notes:

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

AIR, TO-13, Semivolatile Organics

Raw Data Package

Run/Batch Data

Includes (as applicable):

runlogs

continuing calibration standards

interference/performance check standards

continuing calibration blanks

method blanks

lcs

ms/sd

sample raw data

ms tune data

Instrument: SV5 _____

ICAL Date: 10/02/10 _____

DFTPP ID: DFT1004

Initiator/Date: KT-10/04/10 _____

Standard ID: HSL1004

Reviewer/Date: John Zog 10/4/10

NCM #: _____

I: 8270C Criteria

	Initiated	Reviewed
Log Book page included.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CCV compared to correct ICAL.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tune documentation is present and meets criteria.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manual re-integrations are checked, initialed and hardcopies included.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Retention time correct for Isomers and all other analytes.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CCV Internal Standards are within 50-200% of ICAL mid-point.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Samples analyzed within 12 hours of Tune time.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tailing and degradation criteria are met.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Spot check manual integrations in Target. Analyte checked: <u>N/A</u>	NA	<input checked="" type="checkbox"/>
Non-CCC \leq 50% D	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

II: 8270C SPCC Check SPCC RRFs must be greater than 0.050

	Initiated	Reviewed		Initiated	Reviewed
N-nitroso-di-n-propylamine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2,4-Dinitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hexachlorocyclopentadiene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4-Nitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

III: 8270C CCC Check CCC must be \leq 20%D (If CCC are not targets, all analytes must be $<$ 20%D.)

	Initiated	Reviewed		Initiated	Reviewed
Phenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Acenaphthene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1,4-Dichlorobenzene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N-nitrosodiphenylamine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2-Nitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pentachlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2,4-Dinitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Flouranthene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hexachlorobutadiene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Di-n-octyl phthalate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4-Chloro-3-methylphenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Benzo(a)pyrene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2,4,6-Trichlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

IV: AFCEE 3.1 and 4.0 QAPP Criteria

	Initiated	Reviewed
All analytes in CCV +/- 20%D compared to ICAL.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CCV and Sample Internal Standards are within 50-200% of ICAL mid-point.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Are the compounds which required manual integrations documented in the MI spreadsheet?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

V: DOD OSM V3 Criteria

	Initiated	Reviewed
For 8270, CCCs must be $\leq 20\%$ D.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RRFs for SPCCs must meet minimum response factor criteria	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CCV and sample Internal Standards are within 50-200% of ICAL mid-point.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SIM: All analytes must be $\leq 20\%$	<input type="checkbox"/> NA	<input checked="" type="checkbox"/>
Are the compounds which required manual integrations documented in the MI spreadsheet?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Notes:

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 04-OCT-2010 11:20
 Lab File ID: HSL1004.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
 Analysis Type: Init. Cal. Times: 17:32 15:00
 Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
 Method: \\SV5\C\chem\sv5.i\100410.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 2-Fluorophenol	1.40992	1.41192	1.41192	0.010	0.14193	50.00000	Averaged
8 Phenol-d5	1.77296	1.84413	1.84413	0.010	4.01433	50.00000	Averaged
9 2-Chlorophenol-d4	1.55698	1.59358	1.59358	0.010	2.35057	50.00000	Averaged
10 1,2-Dichlorobenzene-d4	0.98513	0.98770	0.98770	0.010	0.26158	50.00000	Averaged
11 Nitrobenzene-d5	0.33879	0.34932	0.34932	0.010	3.10559	50.00000	Averaged
12 2-Fluorobiphenyl	1.28852	1.30818	1.30818	0.010	1.52551	50.00000	Averaged
13 2,4,6-Tribromophenol	0.17381	0.18691	0.18691	0.010	7.53604	50.00000	Averaged
14 Terphenyl-d14	0.78789	0.80519	0.80519	0.010	2.19538	50.00000	Averaged
15 N-Nitrosodimethylamine	0.92154	0.90142	0.90142	0.010	-2.18373	50.00000	Averaged
16 Pyridine	1.54111	1.51679	1.51679	0.010	-1.57823	50.00000	Averaged
23 Aniline	2.25673	2.29970	2.29970	0.010	1.90418	50.00000	Averaged
24 Phenol	2.03729	2.07124	2.07124	0.010	1.66664	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.42859	1.43457	1.43457	0.010	0.41832	50.00000	Averaged
27 2-Chlorophenol	1.56381	1.58372	1.58372	0.010	1.27290	50.00000	Averaged
28 1,3-Dichlorobenzene	1.70337	1.77178	1.77178	0.010	4.01587	50.00000	Averaged
29 1,4-Dichlorobenzene	1.78118	1.82532	1.82532	0.010	2.47839	20.00000	Averaged
30 Benzyl Alcohol	1.05101	1.07188	1.07188	0.010	1.98553	50.00000	Averaged
31 1,2-Dichlorobenzene	1.63746	1.65137	1.65137	0.010	0.84932	50.00000	Averaged
32 2-Methylphenol	1.43012	1.46584	1.46584	0.010	2.49740	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	2.27365	2.24970	2.24970	0.010	-1.05343	50.00000	Averaged
34 4-Methylphenol	1.51904	1.53736	1.53736	0.010	1.20592	50.00000	Averaged
36 Hexachloroethane	0.60636	0.60192	0.60192	0.010	-0.73239	50.00000	Averaged
37 N-Nitrosodipropylamine	1.01180	1.02660	1.02660	0.050	1.46265	50.00000	Averaged
42 Nitrobenzene	0.33116	0.33609	0.33609	0.010	1.48655	50.00000	Averaged
44 Isophorone	0.63679	0.66326	0.66326	0.010	4.15754	50.00000	Averaged
45 2-Nitrophenol	0.19648	0.20327	0.20327	0.010	3.45907	20.00000	Averaged
46 2,4-Dimethylphenol	0.34911	0.35884	0.35884	0.010	2.78670	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.38908	0.39076	0.39076	0.010	0.43183	50.00000	Averaged
49 2,4-Dichlorophenol	0.27010	0.29300	0.29300	0.010	8.47889	20.00000	Averaged
50 Benzoic Acid	0.19324	0.20780	0.20780	0.010	7.53299	50.00000	Averaged
51 1,2,4-Trichlorobenzene	0.29246	0.30595	0.30595	0.010	4.61488	50.00000	Averaged
52 Naphthalene	1.10443	1.13490	1.13490	0.010	2.75886	50.00000	Averaged
54 4-Chloroaniline	0.43288	0.46100	0.46100	0.010	6.49734	50.00000	Averaged
57 Hexachlorobutadiene	0.14313	0.14767	0.14767	0.010	3.17214	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30164	0.31399	0.31399	0.010	4.09460	20.00000	Averaged
63 2-Methylnaphthalene	0.69378	0.72151	0.72151	0.010	3.99732	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.29846	0.30004	0.30004	0.050	0.53021	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.31913	0.32545	0.32545	0.010	1.97800	20.00000	Averaged
70 2,4,5-Trichlorophenol	0.34380	0.35977	0.35977	0.010	4.64520	50.00000	Averaged
71 2-Chloronaphthalene	1.12571	1.13909	1.13909	0.010	1.18875	50.00000	Averaged
73 2-Nitroaniline	0.34119	0.35647	0.35647	0.010	4.47977	50.00000	Averaged
76 Dimethylphthalate	1.29606	1.31666	1.31666	0.010	1.58895	50.00000	Averaged

Manual calculation for Benzo (g.h.) porylene:
 $\frac{615671}{469929} \times \frac{40}{50} = 1.04811$ by 10/4/10

10/4/10

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 04-OCT-2010 11:20
 Lab File ID: HSL1004.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
 Analysis Type: Init. Cal. Times: 17:32 15:00
 Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
 Method: \\SV5\C\chem\sv5.i\100410.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
177 Acenaphthylene	1.96037	2.00784	2.00784	0.010	2.42163	50.00000	Averaged
179 2,6-Dinitrotoluene	0.30197	0.31953	0.31953	0.010	5.81668	50.00000	Averaged
180 3-Nitroaniline	0.37691	0.40245	0.40245	0.010	6.77736	50.00000	Averaged
181 Acenaphthene	1.24787	1.25220	1.25220	0.010	0.34738	20.00000	Averaged
182 2,4-Dinitrophenol	50.00000	52.76628	0.18824	0.050	5.53257	0.000e+000	Quadratic
183 Dibenzofuran	1.65612	1.65878	1.65878	0.010	0.16044	50.00000	Averaged
184 4-Nitrophenol	0.15634	0.17015	0.17015	0.050	8.83452	50.00000	Averaged
186 2,4-Dinitrotoluene	0.39633	0.42752	0.42752	0.010	7.86806	50.00000	Averaged
191 Fluorene	1.37139	1.38933	1.38933	0.010	1.30828	50.00000	Averaged
192 Diethylphthalate	1.32699	1.36161	1.36161	0.010	2.60895	50.00000	Averaged
193 4-Chlorophenyl-phenylether	0.57019	0.58694	0.58694	0.010	2.93751	50.00000	Averaged
194 4-Nitroaniline	0.37361	0.39399	0.39399	0.010	5.45348	50.00000	Averaged
197 4,6-Dinitro-2-methylphenol	50.00000	49.94509	0.14213	0.010	-0.10982	0.000e+000	Linear
198 N-Nitrosodiphenylamine	0.60628	0.60528	0.60528	0.010	-0.16506	20.00000	Averaged
100 Azobenzene	0.78660	0.74293	0.74293	0.010	-5.55135	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.19527	0.20321	0.20321	0.010	4.06798	50.00000	Averaged
108 Hexachlorobenzene	0.21807	0.21656	0.21656	0.010	-0.68987	50.00000	Averaged
110 Pentachlorophenol	50.00000	50.19404	0.13068	0.010	0.38808	0.000e+000	Linear
114 Phenanthrene	1.26074	1.23576	1.23576	0.010	-1.98193	50.00000	Averaged
115 Anthracene	1.25955	1.27847	1.27847	0.010	1.50277	50.00000	Averaged
118 Carbazole	1.15061	1.16233	1.16233	0.010	1.01894	50.00000	Averaged
120 Di-n-Butylphthalate	1.38442	1.41018	1.41018	0.010	1.86121	50.00000	Averaged
126 Fluoranthene	1.12969	1.18344	1.18344	0.010	4.75815	20.00000	Averaged
127 Benzidine	0.81067	0.82831	0.82831	0.010	2.17551	50.00000	Averaged
128 Pyrene	1.25025	1.26626	1.26626	0.010	1.28027	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.71564	0.73988	0.73988	0.010	3.38705	50.00000	Averaged
136 Butylbenzylphthalate	0.62663	0.63413	0.63413	0.010	1.19615	50.00000	Averaged
138 Benzo(a)Anthracene	1.06548	1.06693	1.06693	0.010	0.13625	50.00000	Averaged
139 Chrysene	1.08994	1.09700	1.09700	0.010	0.64758	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.40189	0.40117	0.40117	0.010	-0.17984	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.86316	0.87300	0.87300	0.010	1.14015	50.00000	Averaged
142 Di-n-octylphthalate	1.37975	1.44559	1.44559	0.010	4.77167	20.00000	Averaged
144 Benzo(b)fluoranthene	0.90549	0.88673	0.88673	0.010	-2.07188	50.00000	Averaged
145 Benzo(k)fluoranthene	1.16236	1.19679	1.19679	0.010	2.96251	50.00000	Averaged
147 Benzo(e)pyrene	0.94425	0.96556	0.96556	0.010	2.25755	50.00000	Averaged
148 Benzo(a)pyrene	1.02655	1.05418	1.05418	0.010	2.69140	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.83029	0.84018	0.84018	0.010	1.19108	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.92758	0.97667	0.97667	0.010	5.29276	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.00427	1.04811	1.04811	0.010	4.36515	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.06785	2.08352	2.08352	0.010	0.75807	50.00000	Averaged

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100410.B\HSL1004.D
 Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
 Inj Date : 04-OCT-2010 11:20
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL_050 ug/ml CS-4;2;;4;;;4
 Misc Info : 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100410.B\8270f.m
 Meth Date : 04-Oct-2010 11:40 semivoa Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 97 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SV5

Compounds	QUANT MASS	SIG	AMOUNTS				ON-COL	
			RT	EXP RT	REL RT	RESPONSE		
	(NG)					(NG)		
* 1 1,4-Dichlorobenzene-d4	152		3.954	3.954	(1.000)	115301	40.0000	
* 2 Naphthalene-d8	136		5.364	5.364	(1.000)	494580	40.0000	
* 3 Acenaphthene-d10	164		7.468	7.468	(1.000)	278884	40.0000	
* 4 Phenanthrene-d10	188		9.405	9.405	(1.000)	464186	40.0000	
* 5 Chrysene-d12	240		13.779	13.779	(1.000)	474362	40.0000	
* 6 Perylene-d12	264		16.162	16.162	(1.000)	469929	40.0000	
\$ 7 2-Fluorophenol	112		2.732	2.732	(0.691)	203495	50.0000	50.07
\$ 8 Phenol-d5	99		3.612	3.612	(0.914)	265788	50.0000	52.01
\$ 9 2-Chlorophenol-d4	132		3.747	3.747	(0.948)	229677	50.0000	51.18
\$ 10 1,2-Dichlorobenzene-d4	152		4.151	4.151	(1.050)	142354	50.0000	50.13
\$ 11 Nitrobenzene-d5	82		4.576	4.576	(0.853)	215956	50.0000	51.55
\$ 12 2-Fluorobiphenyl	172		6.670	6.670	(0.893)	456038	50.0000	50.76
\$ 13 2,4,6-Tribromophenol	330		8.473	8.473	(1.135)	65159	50.0000	53.77
\$ 14 Terphenyl-d14	244		12.017	12.017	(0.872)	477440	50.0000	51.10
15 N-Nitrosodimethylamine	74		1.706	1.706	(0.431)	129918	50.0000	48.91
16 Pyridine	79		1.726	1.726	(0.437)	218609	50.0000	49.21
23 Aniline	93		3.654	3.654	(0.924)	331447	50.0000	50.95
24 Phenol	94		3.623	3.623	(0.916)	298520	50.0000	50.83
26 Bis(2-chloroethyl) ether	93		3.706	3.706	(0.937)	206759	50.0000	50.21
27 2-Chlorophenol	128		3.768	3.768	(0.953)	228255	50.0000	50.64
28 1,3-Dichlorobenzene	146		3.913	3.913	(0.990)	255360	50.0000	52.01
29 1,4-Dichlorobenzene	146		3.965	3.965	(1.003)	263077	50.0000	51.24
30 Benzyl Alcohol	108		4.110	4.110	(1.039)	154486	50.0000	50.99
31 1,2-Dichlorobenzene	146		4.172	4.172	(1.055)	238006	50.0000	50.42
32 2-Methylphenol	108		4.255	4.255	(1.076)	211266	50.0000	51.25
33 2,2'-oxybis(1-Chloropropane)	45		4.286	4.286	(1.084)	324241	50.0000	49.47
34 4-Methylphenol	108		4.421	4.421	(1.118)	221574	50.0000	50.60
36 Hexachloroethane	117		4.493	4.493	(1.136)	86753	50.0000	49.63
37 N-Nitrosodipropylamine	70		4.442	4.442	(1.123)	147960	50.0000	50.73
42 Nitrobenzene	77		4.597	4.597	(0.857)	207777	50.0000	50.74
44 Isophorone	82		4.856	4.856	(0.905)	410046	50.0000	52.08
45 2-Nitrophenol	139		4.960	4.960	(0.925)	125669	50.0000	51.73
46 2,4-Dimethylphenol	107		5.012	5.012	(0.934)	221846	50.0000	51.39

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.125	5.125	(0.956)	241580	50.0000	50.22
49 2,4-Dichlorophenol	162	5.219	5.219	(0.973)	181141	50.0000	54.24
50 Benzoic Acid	122	5.115	5.115	(0.954)	128466	50.0000	53.77
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.992)	189147	50.0000	52.31
52 Naphthalene	128	5.385	5.385	(1.004)	701621	50.0000	51.38
54 4-Chloroaniline	127	5.488	5.488	(1.023)	285002	50.0000	53.25
57 Hexachlorobutadiene	225	5.613	5.613	(1.046)	91291	50.0000	51.59
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.131)	194114	50.0000	52.05
63 2-Methylnaphthalene	142	6.203	6.203	(1.156)	446054	50.0000	52.00
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	104595	50.0000	50.26
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	113452	50.0000	50.99
70 2,4,5-Trichlorophenol	196	6.618	6.618	(0.886)	125418	50.0000	52.32
71 2-Chloronaphthalene	162	6.773	6.773	(0.907)	397093	50.0000	50.59
73 2-Nitroaniline	65	6.949	6.949	(0.931)	124267	50.0000	52.24
76 Dimethylphthalate	163	7.219	7.219	(0.967)	458993	50.0000	50.79
77 Acenaphthylene	152	7.281	7.281	(0.975)	699943	50.0000	51.21
79 2,6-Dinitrotoluene	165	7.291	7.291	(0.976)	111390	50.0000	52.91
80 3-Nitroaniline	138	7.447	7.447	(0.997)	140296	50.0000	53.39
81 Acenaphthene	153	7.509	7.509	(1.006)	436524	50.0000	50.17
82 2,4-Dinitrophenol	184	7.571	7.571	(1.014)	65623	50.0000	52.77
83 Dibenzofuran	168	7.696	7.696	(1.031)	578258	50.0000	50.08
84 4-Nitrophenol	109	7.675	7.675	(1.028)	59316	50.0000	54.42
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	149034	50.0000	53.93
91 Fluorene	166	8.131	8.131	(1.089)	484329	50.0000	50.65
92 Diethylphthalate	149	8.100	8.100	(1.085)	474665	50.0000	51.30
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	204610	50.0000	51.47
94 4-Nitroaniline	138	8.214	8.214	(1.100)	137346	50.0000	52.73
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	82466	50.0000	49.94
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	411612	58.6000	58.50
100 Azobenzene	77	8.348	8.348	(0.888)	431075	50.0000	47.22
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	117909	50.0000	52.03
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	125656	50.0000	49.66
110 Pentachlorophenol	266	9.240	9.240	(0.982)	75825	50.0000	50.19
114 Phenanthrene	178	9.437	9.437	(1.003)	717026	50.0000	49.01
115 Anthracene	178	9.499	9.499	(1.010)	741812	50.0000	50.75
118 Carbazole	167	9.758	9.758	(1.037)	674423	50.0000	50.51
120 Di-n-Butylphthalate	149	10.462	10.462	(1.112)	818235	50.0000	50.93
126 Fluoranthene	202	11.302	11.302	(1.202)	686671	50.0000	52.38
127 Benzidine	184	11.571	11.571	(0.840)	491148	50.0000	51.09
128 Pyrene	202	11.654	11.654	(0.846)	750833	50.0000	50.64
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	438712	50.0000	51.69
136 Butylbenzylphthalate	149	12.981	12.981	(0.942)	376008	50.0000	50.60
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	632638	50.0000	50.07
139 Chrysene	228	13.820	13.820	(1.003)	650466	50.0000	50.32
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	237874	50.0000	49.91
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	517649	50.0000	50.57
142 Di-n-octylphthalate	149	15.157	15.157	(1.100)	857164	50.0000	52.38
144 Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	520875	50.0000	48.96
145 Benzo(k)fluoranthene	252	15.613	15.613	(0.966)	703010	50.0000	51.48
147 Benzo(e)pyrene	252	15.996	15.996	(0.990)	567183	50.0000	51.13
148 Benzo(a)pyrene	252	16.069	16.069	(0.994)	619236	50.0000	51.34
151 Indeno(1,2,3-cd)pyrene	276	17.799	17.799	(1.101)	493530	50.0000	50.60
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	573707	50.0000	52.65
153 Benzo(g,h,i)perylene	276	18.224	18.224	(1.128)	615671	50.0000	52.18

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
=====	====	====	=====	=====	=====	=====	
M 162 benzo b,k Fluoranthene Totals	252				1223885	50.0000	50.38 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: HSL1004.D
 Lab Smp Id: HSL_050 ug/ml CS-4
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

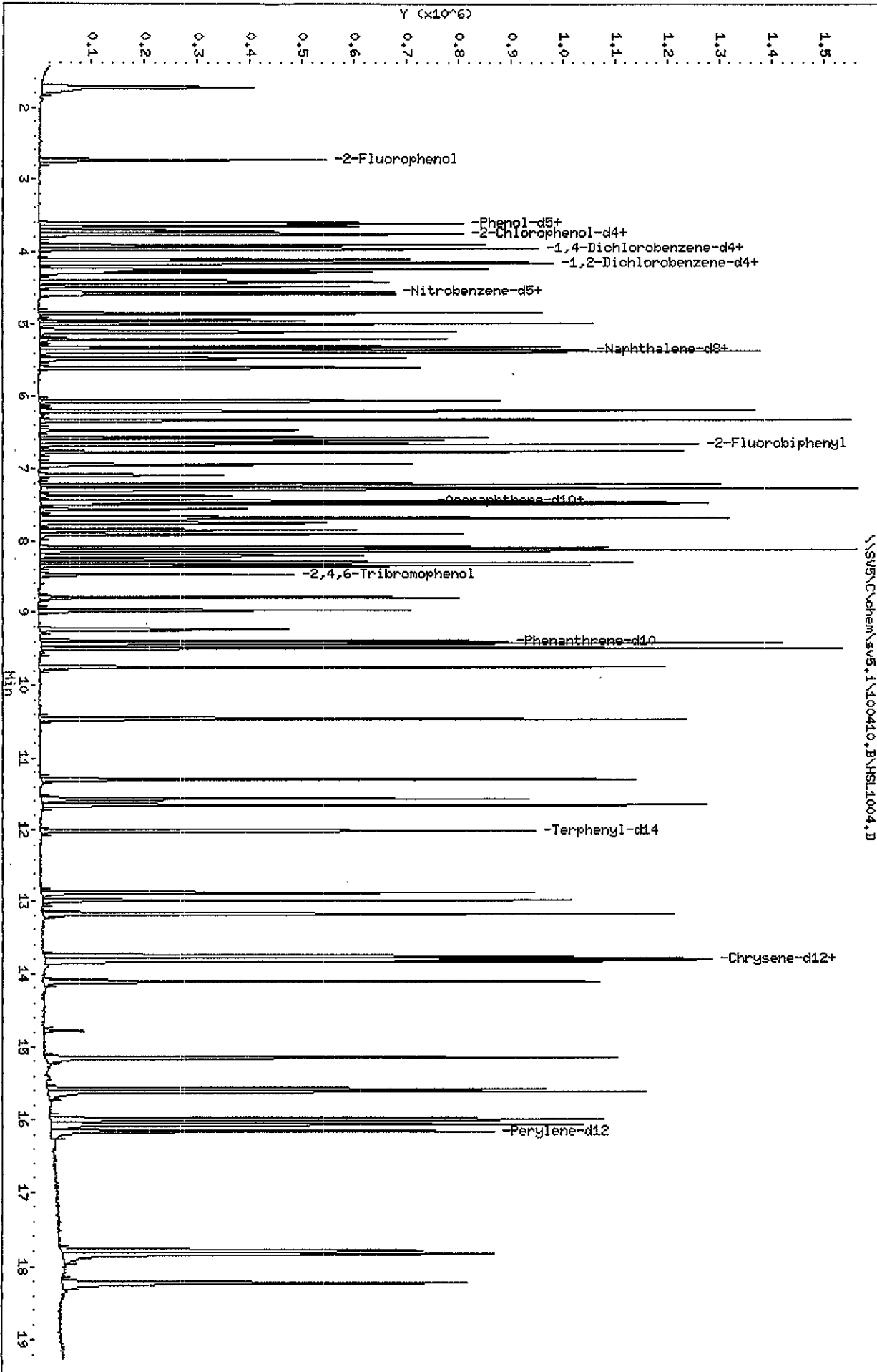
Calibration Date: 03-OCT-2010
 Calibration Time: 13:19
 Client Smp ID: 8270F.M
 Level:
 Sample Type:

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	115301	-5.97
2 Naphthalene-d8	530514	265257	1061028	494580	-6.77
3 Acenaphthene-d10	282538	141269	565076	278884	-1.29
4 Phenanthrene-d10	462722	231361	925444	464186	0.32
5 Chrysene-d12	435850	217925	871700	474362	8.84
6 Perylene-d12	422284	211142	844568	469929	11.28

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.95	0.00
2 Naphthalene-d8	5.36	4.86	5.86	5.36	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.5482943	5.000	PASS
Benzidine	0.3647525	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	180865	8.7	20.5	PASS

Sample //SV5/C/chem/sv5.i/100410.B/DFT1004.D/DFT1004.D

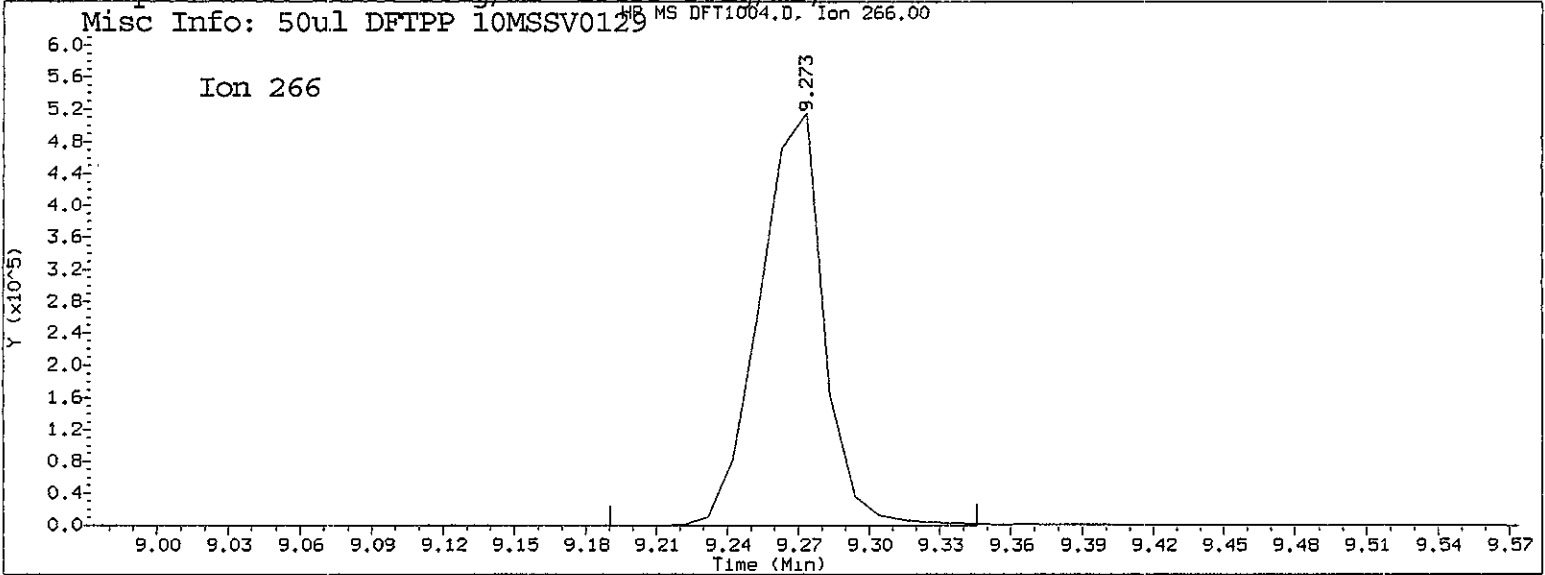
 *** PASSED ***

6
 10/4/00

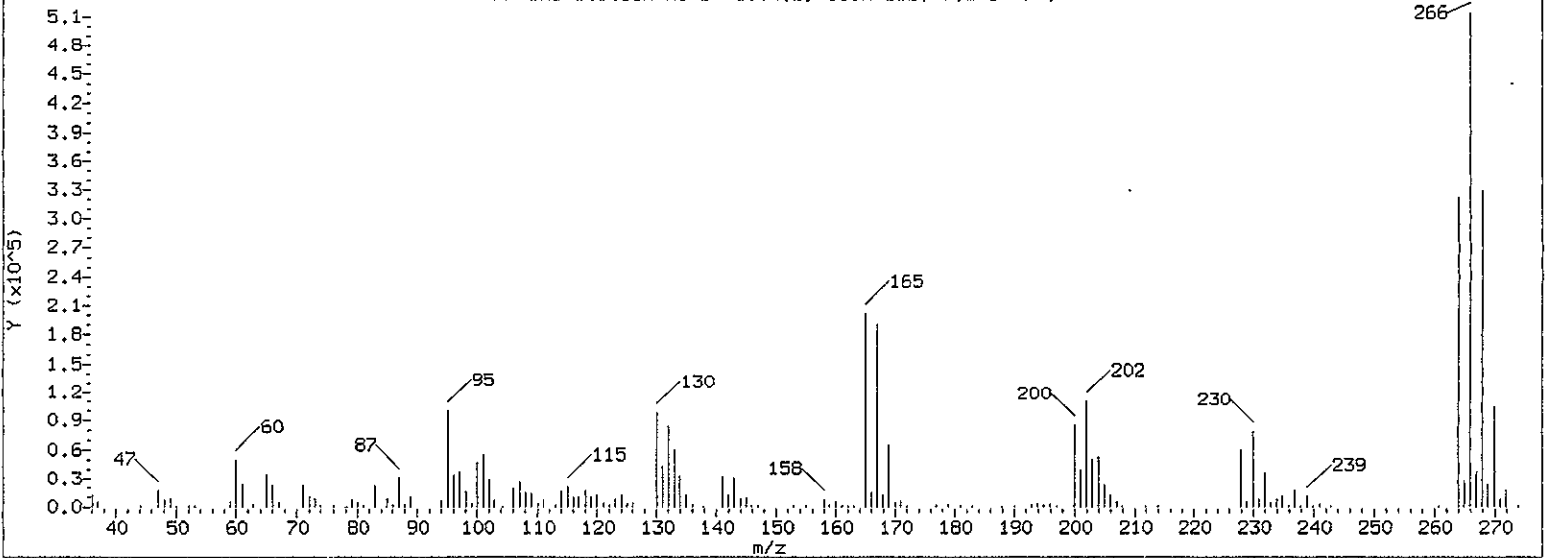
TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 10/04/2010 11:39

Datafile Analyzed: //SV5/C/chem/sv5.i/100410.B/DFT1004.D/DFT1004.D
Method Used: \\SV5\C\chem\sv5.i\100410.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 04-OCT-2010 11:00 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



HP ChemStation MS DFT1004.D, Scan 212; 9.273 min.



Pentachlorophenol

=====
Exp. RT = 9.387
Found RT = 9.273

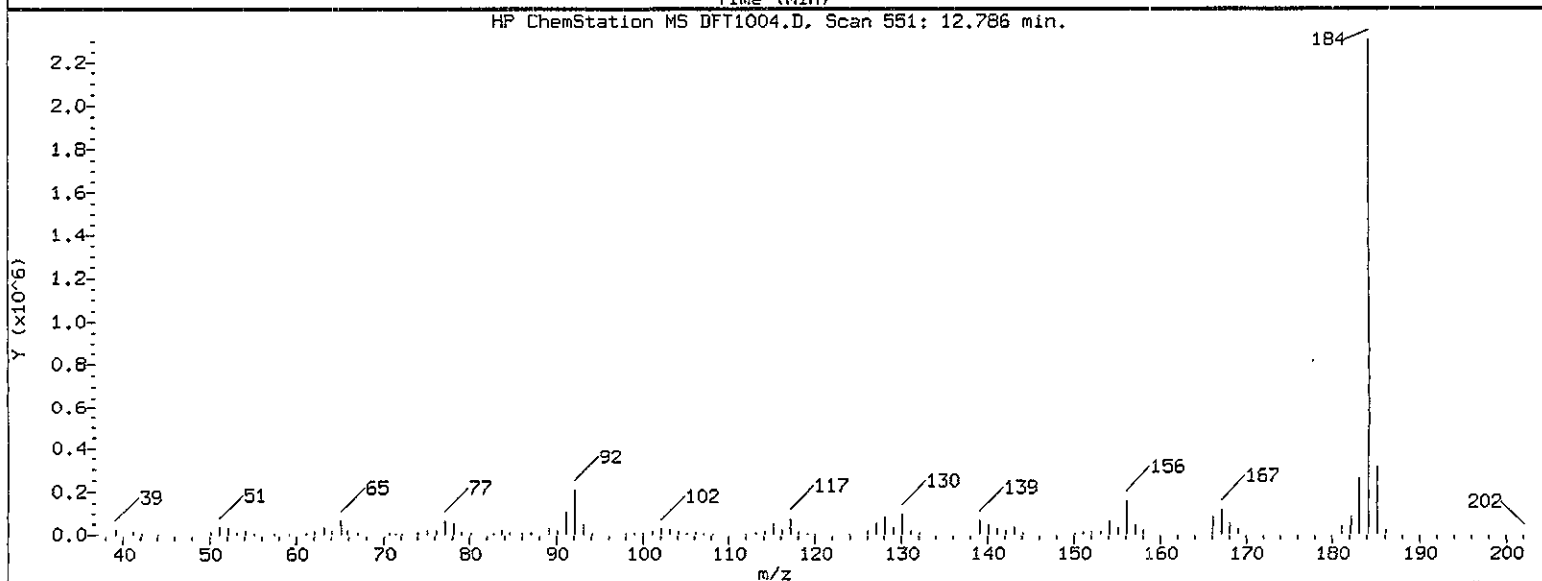
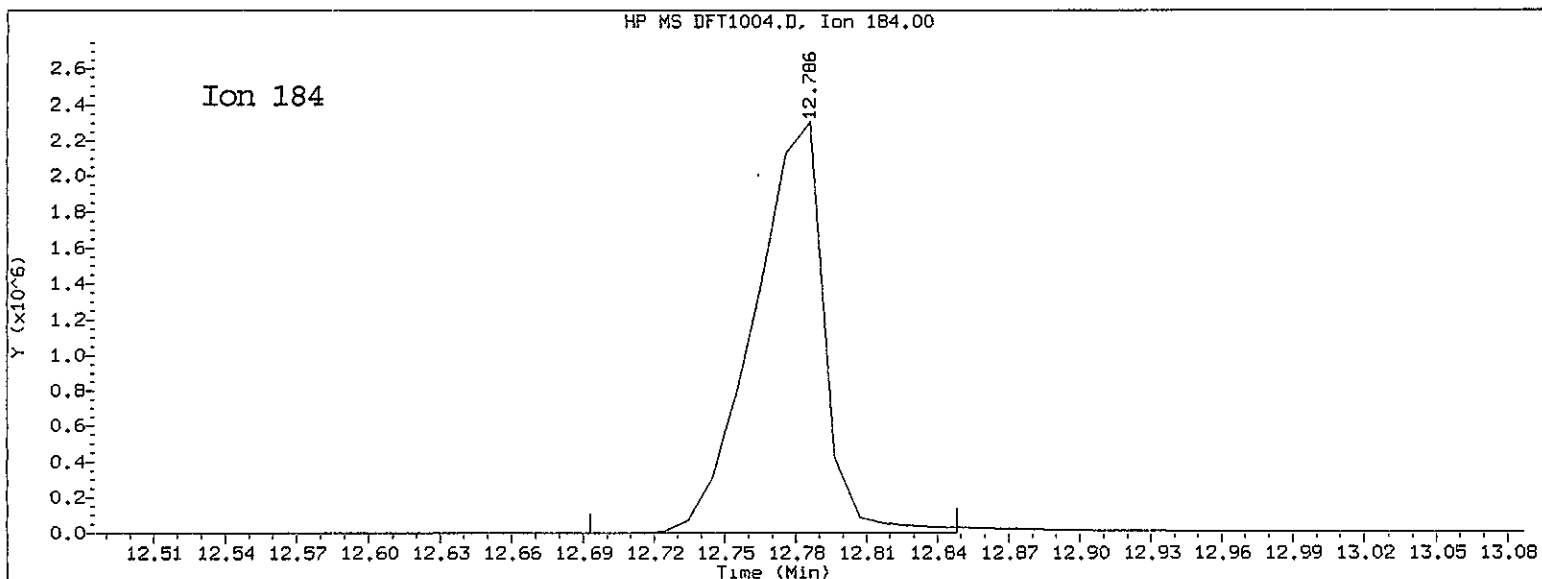
Time1 = 9.2378 Time2 = 9.273267 Time3 = 9.292713
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.548 Maximum Allowed = 5.0

Report Date: 10/04/2010 11:39

Datafile Analyzed: //SV5/C/chem/sv5.i/100410.B/DFT1004.D/DFT1004.D
Method Used: \\SV5\C\chem\sv5.i\100410.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 04-OCT-2010 11:00 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine

=====

Exp. RT = 12.911

Found RT = 12.786

Time1 = 12.74159 Time2 = 12.78633 Time3 = 12.80265

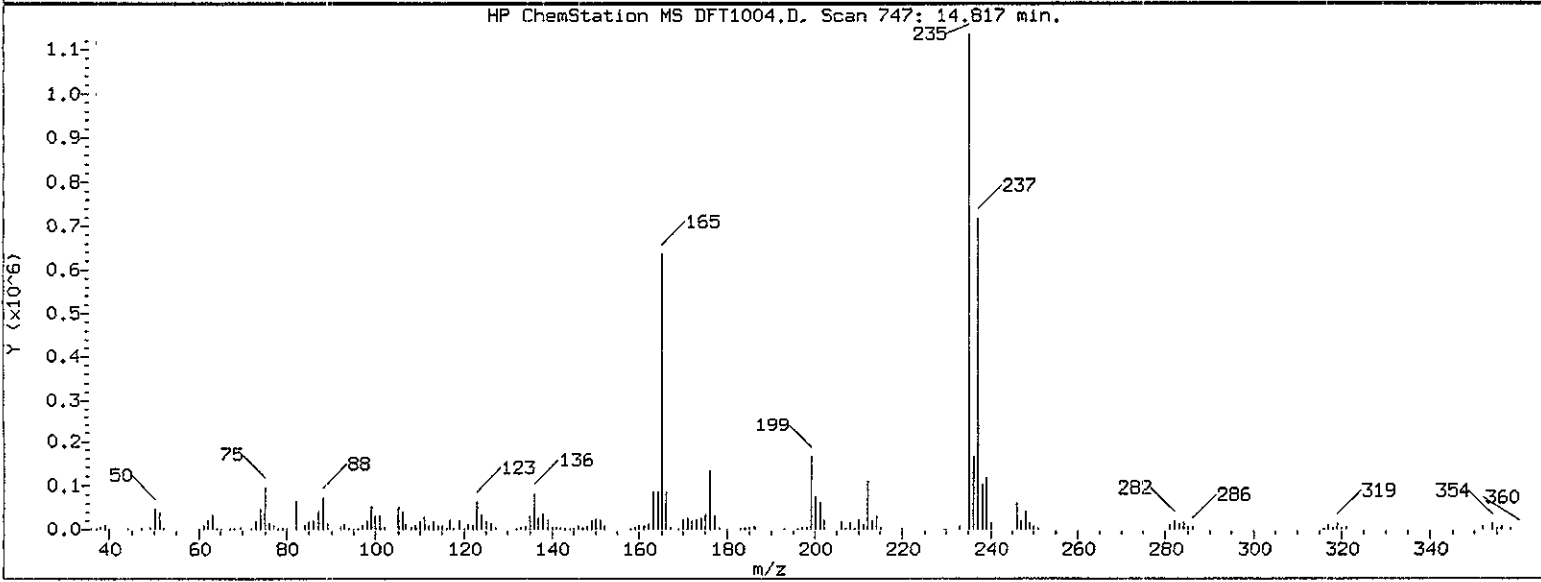
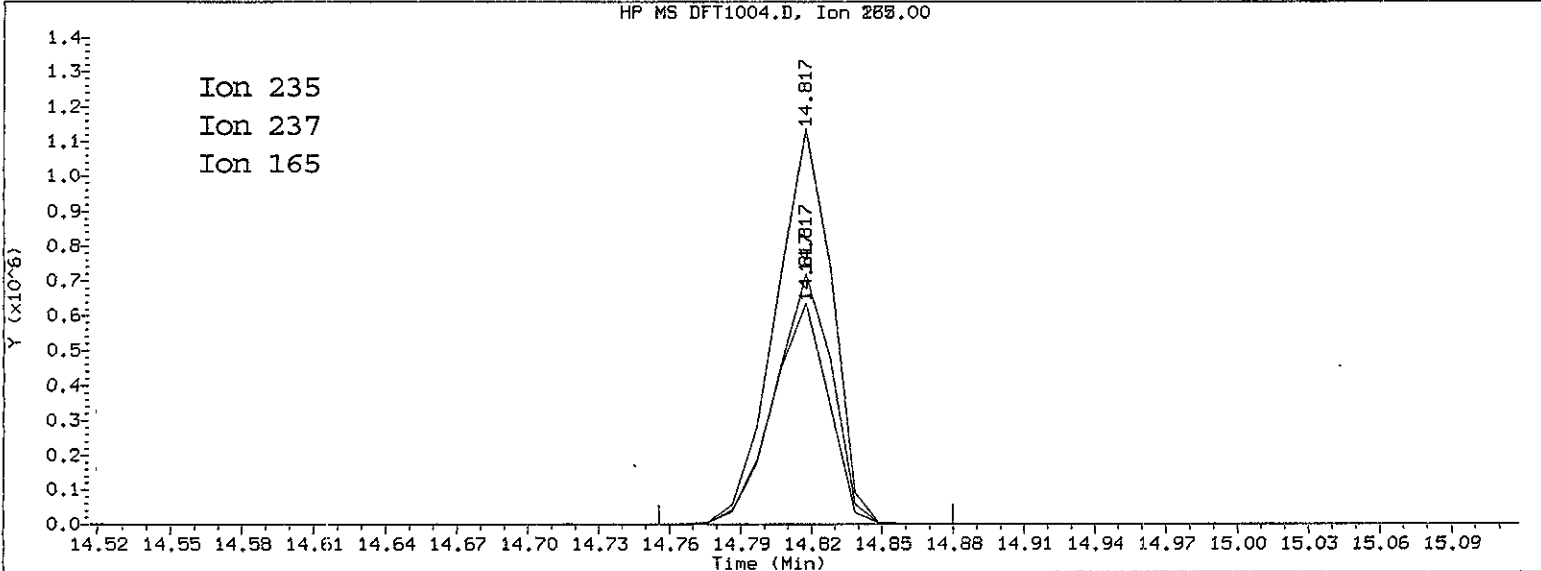
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.365 Maximum Allowed = 3.0

Report Date: 10/04/2010 11:39

Datafile Analyzed: //SV5/C/chem/sv5.i/100410.B/DFT1004.D/DFT1004.D
Method Used: \\SV5\C\chem\sv5.i\100410.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 04-OCT-2010 11:00 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



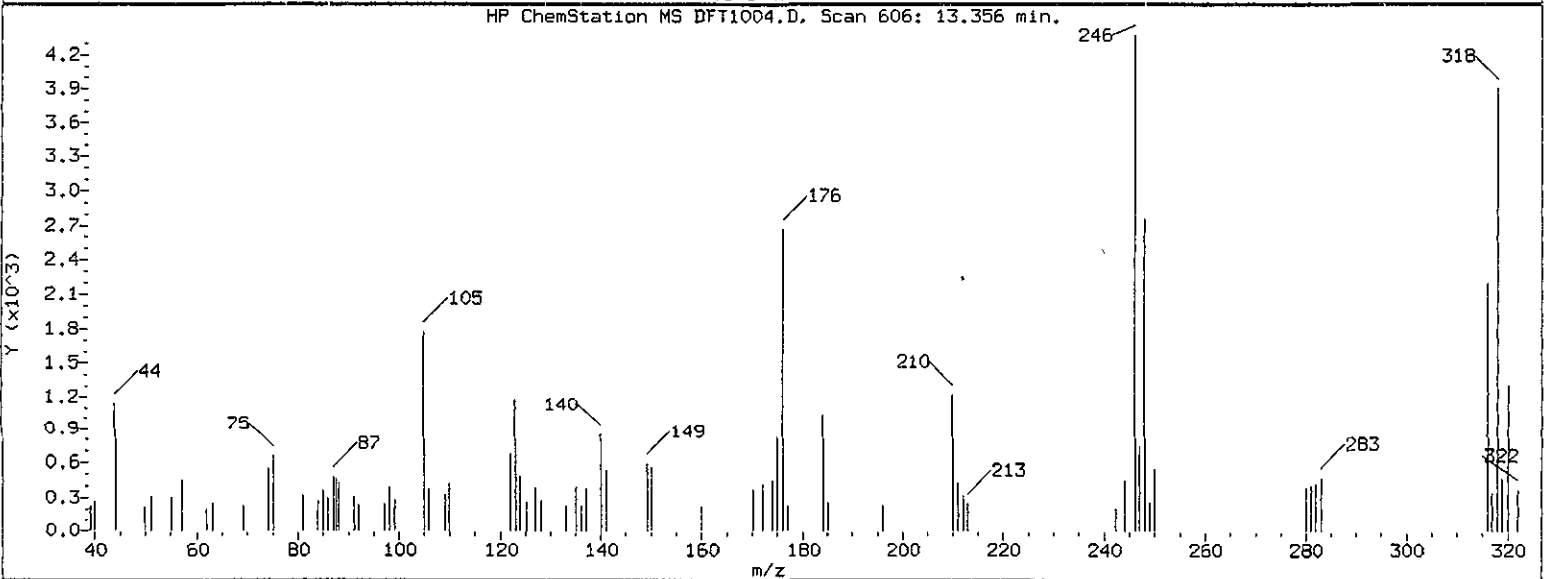
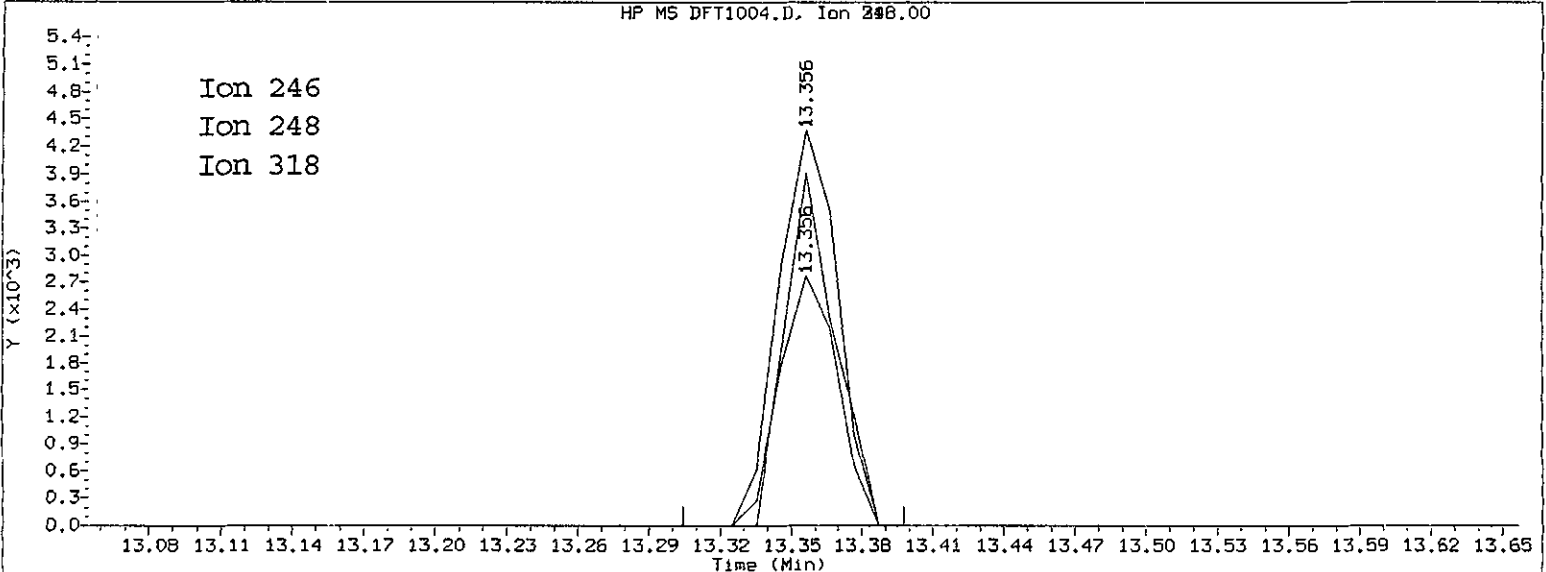
4,4'-DDT

=====
Exp. RT = 14.942
Found RT = 14.817

Mass	Area	Ratio
235	1899975	100.00
237	1207773	63.57
165	1061809	55.89

Report Date: 10/04/2010 11:39

Datafile Analyzed: //SV5/C/chem/sv5.i/100410.B/DFT1004.D/DFT1004.D
Method Used: \\SV5\C\chem\sv5.i\100410.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 04-OCT-2010 11:00 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



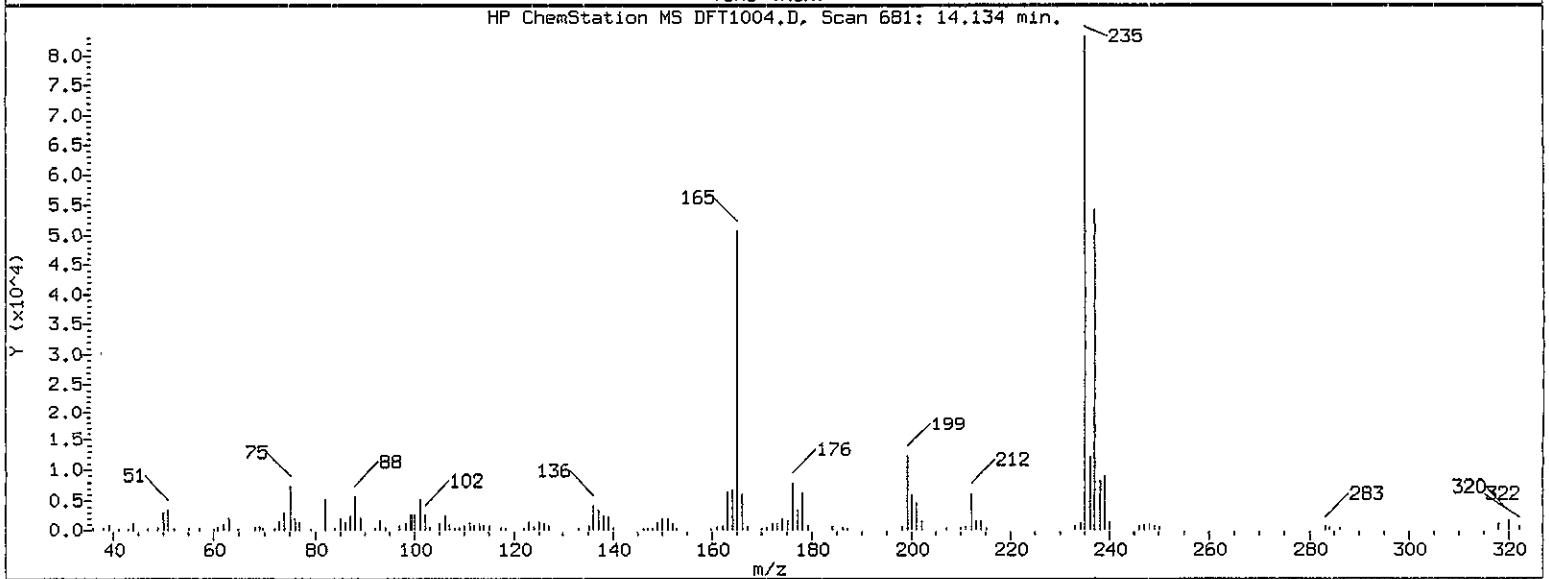
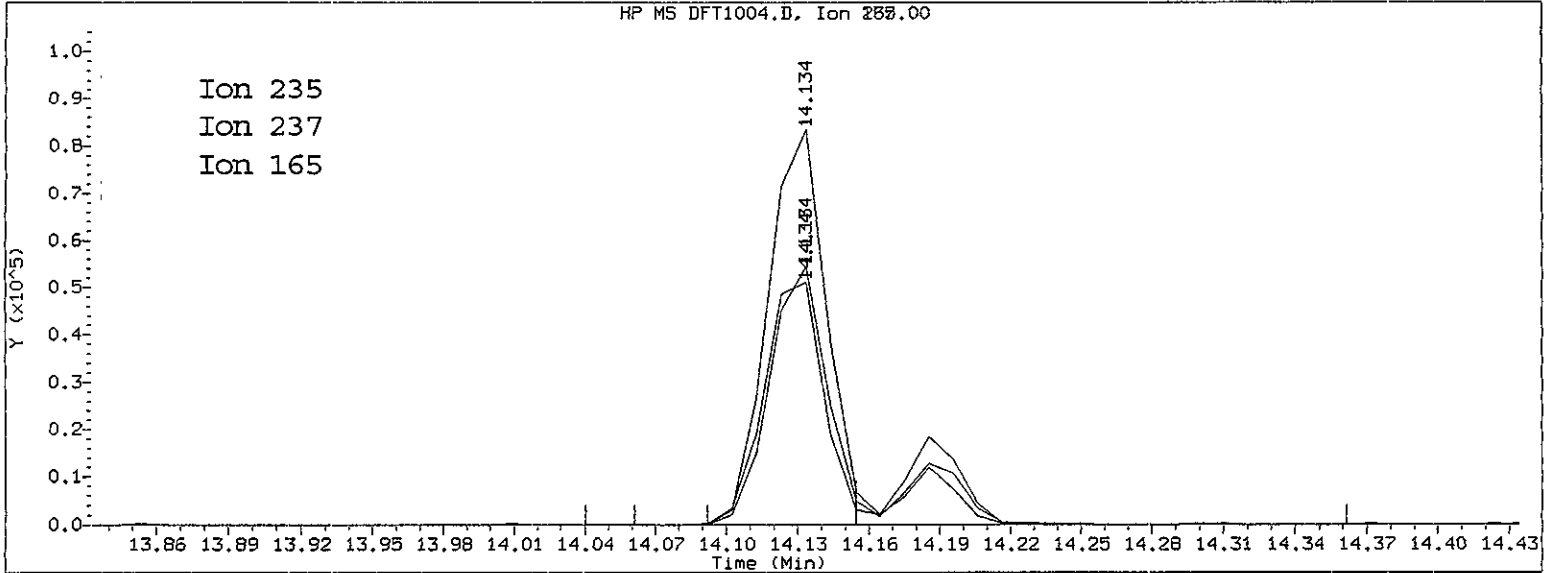
4,4'-DDE

=====
Exp. RT = 13.470
Found RT = 13.356

Mass	Area	Ratio
246	7682	100.00
248	4756	61.92
318	1959	25.51

Report Date: 10/04/2010 11:39

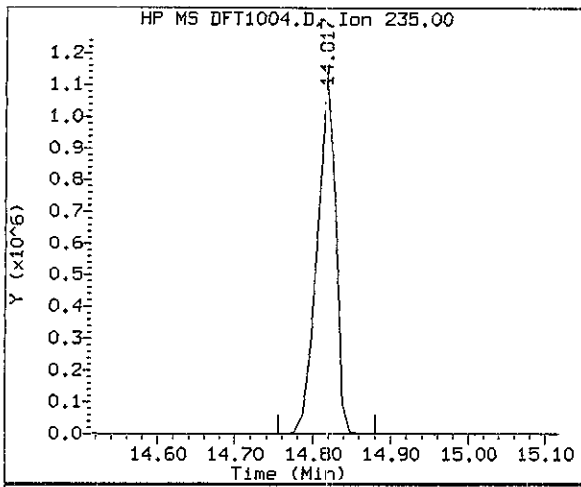
Datafile Analyzed: //SV5/C/chem/sv5.i/100410.B/DFT1004.D/DFT1004.D
Method Used: \\SV5\C\chem\sv5.i\100410.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 04-OCT-2010 11:00 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



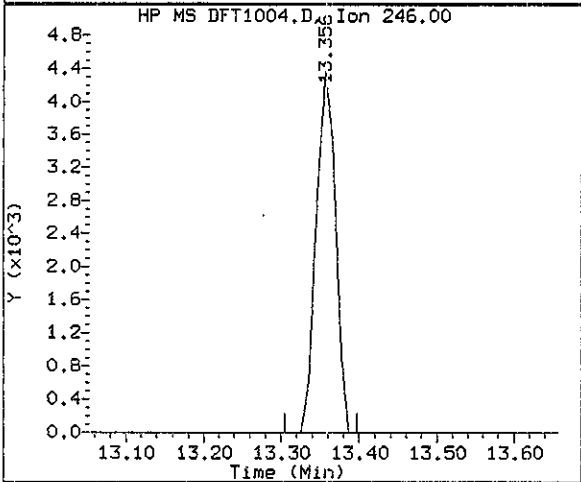
4,4'-DDD

=====
Exp. RT = 14.248
Found RT = 14.134

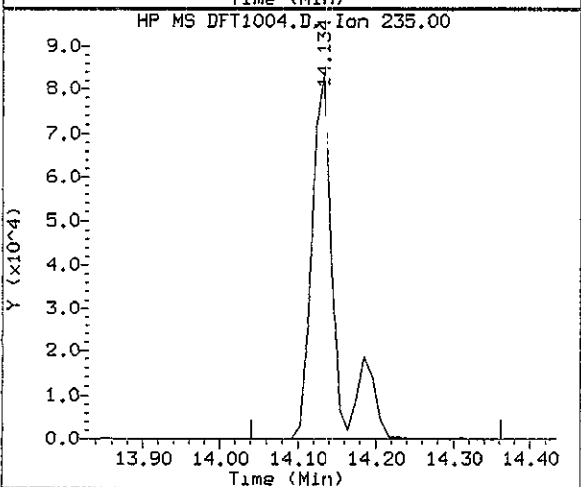
Mass	Area	Ratio
235	173183	100.00
237	90884	52.48
165	89371	51.60



Compound: 4,4'-DDT
 Quant Mass: 235
 RT: 14.817
 Area: 1899975



Compound: 4,4'-DDE
 Quant Mass: 246
 RT: 13.356
 Area: 7682



Compound: 4,4'-DDD
 Quant Mass: 235
 RT: 14.134
 Area: 173183

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	180865	8.7	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\100410.B\DFT1004.D
 Lab Smp Id: DFTPP 50ug/ml
 Inj Date : 04-OCT-2010 11:00
 Operator : KT
 Smp Info : DFTPP 50ug/ml;
 Misc Info : 50ul DFTPP 10MSSV0129
 Comment :
 Method : \\SV5\C\chem\sv5.i\100410.B\DFTPP.m
 Meth Date : 17-Aug-2010 14:10 scotts
 Cal Date :
 Als bottle: 96
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: SV5

Inst ID: sv5.i
 Quant Type: ISTD
 Cal File:
 QC Sample: DFTPP
 Compound Sublist: all.sub
 Sample Matrix: None

CONCENTRATIONS									
RT	EXP RT	REL RT	MASS	RESPONSE	ON-COL	FINAL	TARGET RANGE	RATIO	
					(ug/L)	(ug/L)			

1 dftpp									
CAS #: 5074-71-5									
0.000	11.201	(0.000)	198	535936			0.00- 100.00	100.00	
0.000	11.201	(0.000)	51	246144			30.00- 80.00	45.93	
0.000	11.201	(0.000)	68	4171			0.00- 2.00	1.86	
0.000	11.201	(0.000)	69	223936			0.00- 0.00	41.78	
0.000	11.201	(0.000)	70	892			0.00- 2.00	0.40	
0.000	11.201	(0.000)	127	306752			25.00- 75.00	57.24	
0.000	11.201	(0.000)	197	3625			0.00- 1.00	0.68	
0.000	11.201	(0.000)	199	37312			5.00- 9.00	6.96	
0.000	11.201	(0.000)	275	118408			10.00- 30.00	22.09	
0.000	11.201	(0.000)	365	13515			0.75- 0.00	2.52	
0.000	11.201	(0.000)	441	65616			0.01- 99.99	70.51	
0.000	11.201	(0.000)	442	465728			40.00- 110.00	86.90	
0.000	11.201	(0.000)	443	93064			15.00- 24.00	19.98	

Date : 04-OCT-2010 11:00

Client ID:

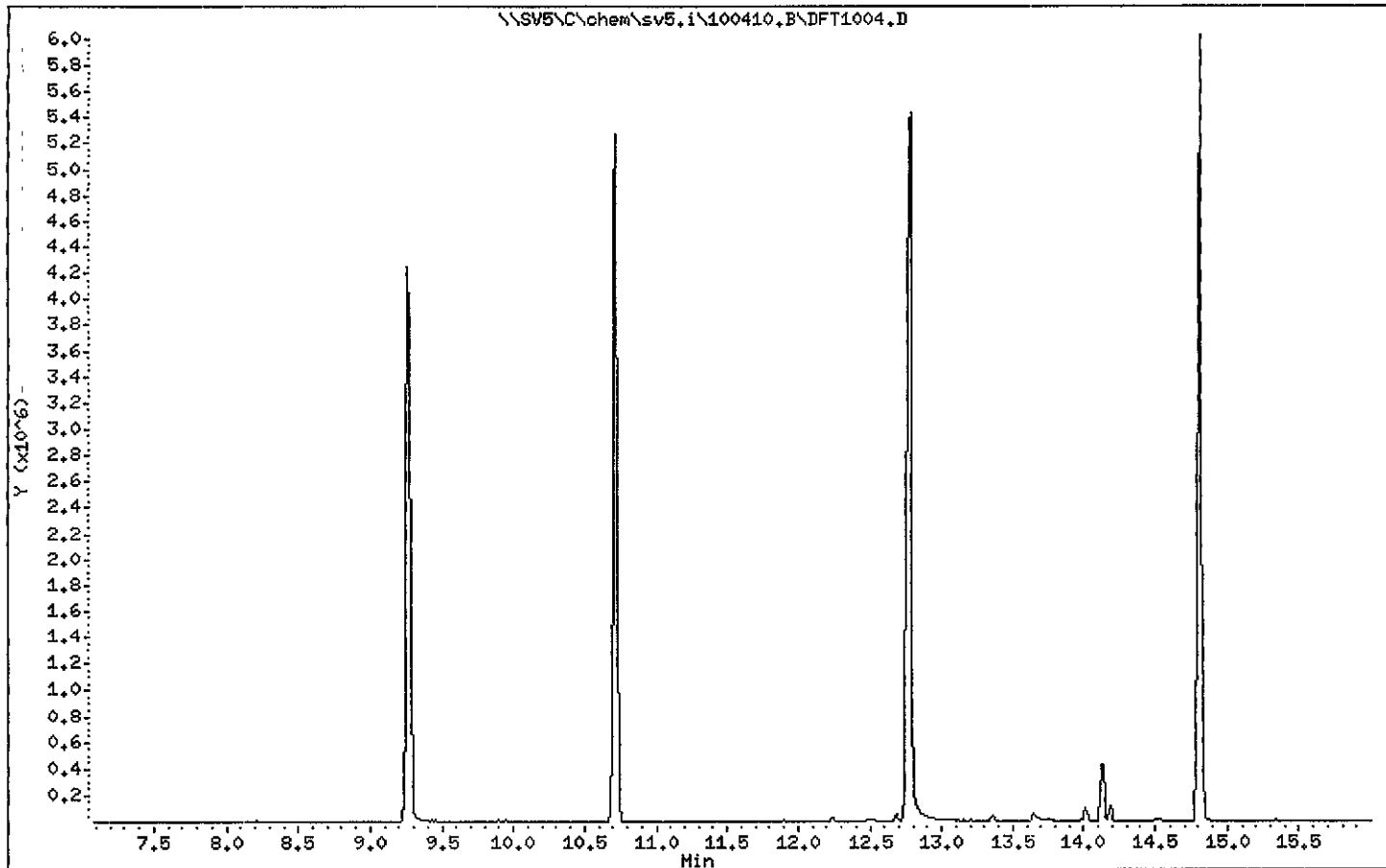
Instrument: sv5.i

Sample Info: DFTFP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00



Date : 04-OCT-2010 11:00

Client ID:

Instrument: sv5.i

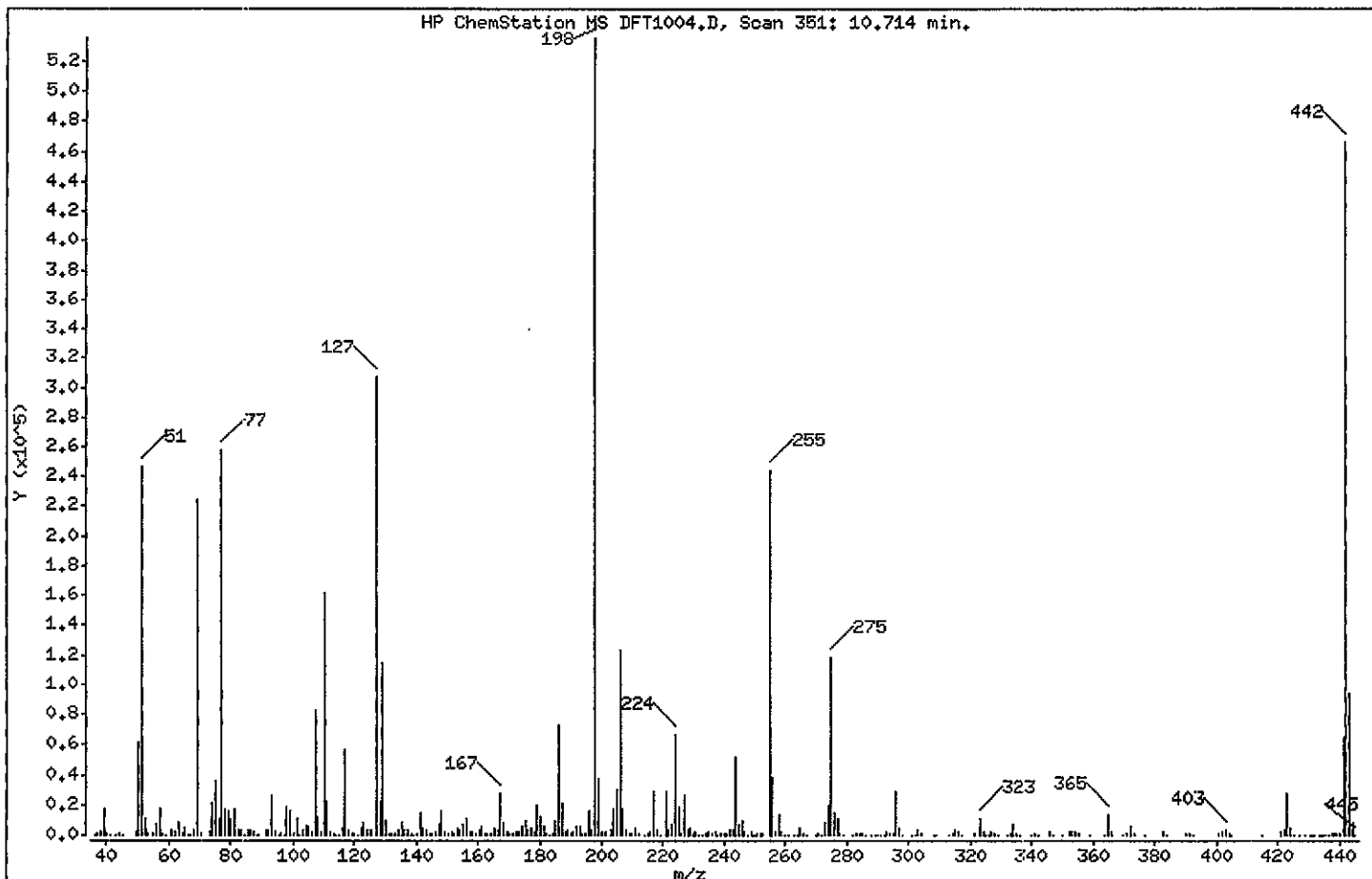
Sample Info: DFTFP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

1 dftfp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	45.93
68	Less than 2.00% of mass 69	0.78 (1.86)
69	Mass 69 relative abundance	41.78
70	Less than 2.00% of mass 69	0.17 (0.40)
127	25.00 - 75.00% of mass 198	57.24
197	Less than 1.00% of mass 198	0.68
199	5.00 - 9.00% of mass 198	6.96
275	10.00 - 30.00% of mass 198	22.09
365	Greater than 0.75% of mass 198	2.52
441	Present, but less than mass 443	12.24
442	40.00 - 110.00% of mass 198	86.90
443	15.00 - 24.00% of mass 442	17.36 (19.98)

Date : 04-OCT-2010 11:00

Client ID:

Instrument: sv5.i

Sample Info: DFTFP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1004.D
 Spectrum: HP ChemStation MS DFT1004.D, Scan 351: 10.714 min.
 Location of Maximum: 198.00
 Number of points: 324

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	218	128.00	21888	210.00	1728	302.10	607
37.00	804	129.00	114600	211.10	4406	303.00	3389
38.10	2494	130.00	9286	212.10	674	304.00	969
39.10	16784	131.10	1705	213.90	279	308.00	265
40.10	977	132.00	1094	215.00	1319	309.00	318
41.10	578	133.00	650	216.00	3047	310.00	425
43.10	216	134.00	3162	217.00	28744	313.00	361
44.00	1071	135.00	8480	218.00	3481	314.00	1839
45.00	378	136.00	3545	219.10	554	315.00	4014
49.20	1930	137.10	4140	221.10	28448	316.00	2022
50.10	62176	138.00	1157	222.00	4103	317.10	549
51.10	246144	139.00	482	223.10	7588	321.10	898
52.10	11469	140.00	1391	224.10	65928	323.10	11225
53.00	663	141.00	14548	225.10	18104	324.10	2230
55.00	1487	142.00	5384	226.10	1716	325.10	301
56.00	6870	143.00	3261	227.00	25608	326.10	265
57.00	17520	144.10	1332	228.10	3750	327.00	2180
57.90	645	145.10	1012	229.10	5056	328.10	1197
59.10	268	145.90	2149	230.00	763	328.90	242
61.00	3216	147.00	6956	231.00	2718	332.00	599
62.10	3046	148.00	15827	232.10	411	333.10	1322
63.10	8789	149.00	3042	232.90	581	334.00	6841
64.10	1347	150.10	761	234.00	1569	335.10	1775
65.10	4915	151.10	2079	235.10	2084	336.10	315
66.10	330	151.60	867	236.00	1406	340.10	226
67.00	353	152.10	1023	237.00	2393	341.00	1314
68.10	4171	153.00	4459	237.80	507	342.10	453
69.00	223936	154.00	3402	238.90	1014	345.90	1871
70.00	892	155.00	7173	240.00	922	346.90	276
73.10	2076	156.10	11291	241.00	1706	350.10	259
74.00	20400	157.10	2770	242.10	4058	352.10	2898
75.00	35320	158.00	2804	243.10	3473	353.10	2351
76.10	11310	159.10	1567	244.10	52024	354.00	2762
77.10	258048	160.10	3652	245.00	6817	355.10	837
78.10	17480	161.00	6459	246.00	9413	359.10	373

Date : 04-OCT-2010 11:00

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1004.D
 Spectrum: HP ChemStation MS DFT1004.D, Scan 351: 10.714 min.
 Location of Maximum: 198.00
 Number of points: 324

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	15480	162.00	1700	247.00	1885	363.60	239
80.00	10875	163.00	629	247.90	410	365.00	13615
81.00	17160	163.90	696	249.00	2023	366.00	2387
82.00	4172	165.00	5312	249.90	465	369.90	483
83.00	4240	166.10	3414	250.30	210	371.00	928
84.00	442	167.00	27400	251.10	860	372.10	5784
85.00	3430	168.00	8628	252.40	651	373.00	1687
86.00	4257	169.00	1956	253.00	1701	376.90	280
87.10	2361	170.00	796	255.00	243584	383.00	1909
88.00	525	171.00	827	256.00	37896	384.00	518
89.00	489	172.00	2280	257.10	2462	390.00	825
91.00	3947	173.10	2629	258.00	14011	390.90	701
92.00	4276	174.00	5777	259.00	2179	392.10	523
93.00	26272	175.10	10206	260.00	351	400.90	666
94.00	2618	176.00	3393	261.00	396	402.00	2335
95.10	495	177.00	4748	263.00	342	403.00	4032
96.00	1234	178.00	1943	264.00	605	404.00	1561
97.00	609	179.00	19176	265.00	4919	405.10	366
98.00	18864	180.00	11938	265.90	975	414.80	430
99.00	16303	181.10	5559	267.00	214	421.00	3054
100.00	1570	182.00	1012	270.00	484	422.00	3611
101.00	10651	183.20	593	270.90	704	423.00	27200
102.00	564	184.00	1693	272.00	548	424.00	5638
103.00	3884	185.00	9639	273.10	8210	424.90	431
104.00	6493	186.10	73208	274.10	19600	427.10	205
105.00	5719	187.10	20920	275.00	118408	428.90	359
106.10	2132	188.10	2134	276.00	15229	430.20	338
107.00	82664	189.00	3963	277.00	10653	430.90	276
108.00	12665	190.00	711	278.00	1533	431.80	331
109.00	2375	191.00	2049	278.90	331	433.30	304
110.00	161664	192.00	6070	282.10	489	434.30	423
111.00	22520	193.10	5993	283.10	833	434.80	497
112.00	2273	194.00	1619	284.10	709	435.20	482
113.00	1049	195.10	946	285.00	1342	436.20	485
114.10	377	196.00	16440	286.20	364	437.40	762

Date : 04-OCT-2010 11:00

Client ID:

Instrument: sv5.i

Sample Info: DFTFP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1004.D
 Spectrum: HP ChemStation MS DFT1004.D, Scan 351: 10.714 min.
 Location of Maximum: 198.00
 Number of points: 324

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	236	196.70	3625	288.10	261	438.40	805
116.00	4782	198.00	535936	289.10	466	439.10	1018
117.00	56472	199.00	37312	290.00	375	439.80	875
118.00	3890	200.00	2439	291.10	209	441.00	65616
119.10	720	201.60	2574	292.10	343	442.00	465728
120.00	924	203.10	3330	293.00	2076	443.00	93064
121.00	330	204.10	16680	294.10	892	444.00	8137
122.00	4910	205.10	29752	295.10	931	445.00	441
123.00	8468	206.10	123008	296.00	28680		
124.00	3196	207.10	16872	297.00	4369		
125.00	3509	208.10	3516	298.00	376		
127.00	306752	209.00	1074	300.80	394		

GC/MS INSTRUMENT LOG
SEMI-VOLATILES

Method Key (MTH Column)

QL = EPA 8270C (WS-MS-0005)
 JZ = EPA TO-13A (WS-MS-0005)
 VX = EPA 8270C-SIM (mod) CWM (WS-MS-0003)
 QI = EPA 8270C-SIM (WS-MS-0008)
 FX = PAH-SIM Isotope Dilution (WS-MS-0006)
 F9 = EPA 8270C-SIM (mod) 1,4-Dioxane (WS-MS-0011)

Inst ID : sv5.i
 Batch ID : 100410.B
 ICAL Date: See Calib Report
 See raw data for standard IDs

Date	Time	USER	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	MTH	Comments
04-OCT-2010	10:36	KT	Primer	QC001.D	NA	NA	NA		
04-OCT-2010	11:00	KT	DFTPP 50ug/ml	DFT1004.D	NA	NA	NA		
04-OCT-2010	11:20	KT	HSL_050 ug/ml CS-4	HSL1004.D	NA	NA	NA		
04-OCT-2010	11:45	KT	L7VVM1AA G0J010000-373B	S100401.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	12:10	KT	L7VVM1AC G0J010000-373C	S100402.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	12:36	KT	L7VVM1AD G0J010000-373L	S100403.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	13:05	KT	L7VDD1AA G0J010524-2	S100404.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	13:30	KT	L7VDF1AA G0J010524-4	S100405.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	13:56	KT	L7MEF1AC G0I280575-2	S100406.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	14:21	KT	L7MEM1AC G0I280575-4	S100407.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	14:47	KT	L7MEP1AC G0I280575-6	S100408.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	15:13	KT	L7MER1AC G0I280575-8	S100409.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	15:38	KT	L7MEX1AC G0I280575-10	S100410.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	16:04	KT	L7ME21AC G0I280575-12	S100411.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	16:29	KT	L7ME41AC G0I280575-14	S100412.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	16:55	KT	L7ME61AC G0I280575-16	S100413.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	17:20	KT	L7ME91AC G0I280575-18	S100414.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	17:46	KT	L7MFD1AC G0I280575-20	S100415.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	18:11	KT	L7MFF1AC G0I280575-22	S100416.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	18:46	KT	L7MEF1AC G0I280575-2	S100417.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	19:11	KT	L7MER1AC G0I280575-8	S100418.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	19:37	KT	L7MEX1AC G0I280575-10	S100419.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	20:02	KT	L7ME21AC G0I280575-12	S100420.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	20:28	KT	L7ME41AC G0I280575-14	S100421.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	20:53	KT	L7ME61AC G0I280575-16	S100422.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	21:19	KT	L7ME91AC G0I280575-18	S100423.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	21:44	KT	L7MFD1AC G0I280575-20	S100424.D	1000 Sa	1 mL	1	JZ	
04-OCT-2010	22:10	KT	L7MFF1AC G0I280575-22	S100425.D	1000 Sa	1 mL	1	JZ	

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100410.B\S100401.D
 Lab Smp Id: L7VVM1AA G0J010000- Client Smp ID: 0274373
 Inj Date : 04-OCT-2010 11:45
 Operator : KT Inst ID: sv5.i
 Smp Info : L7VVM1AA G0J010000-373B;0;;;1000;;1000;5
 Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0274373;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Meth Date : 05-Oct-2010 10:22 semivoa Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: S11JZHCB.SUB
 Target Version: 4.14
 Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152		152	3.954	3.954	(1.000)	93411	40.0000	(Q)
* 2 Naphthalene-d8	136		136	5.364	5.364	(1.000)	402532	40.0000	
* 3 Acenaphthene-d10	164		164	7.468	7.468	(1.000)	225136	40.0000	
* 4 Phenanthrene-d10	188		188	9.405	9.405	(1.000)	358032	40.0000	
* 5 Chrysene-d12	240		240	13.779	13.779	(1.000)	373827	40.0000	
* 6 Perylene-d12	264		264	16.162	16.162	(1.000)	385240	40.0000	
\$ 7 2-Fluorophenol	112		112	2.732	2.732	(0.691)	118463	35.9791	35.98
\$ 8 Phenol-d5	99		99	3.613	3.612	(0.914)	169832	41.0187	41.02
\$ 10 1,2-Dichlorobenzene-d4	152		152	4.151	4.151	(1.050)	86890	37.7694	37.77(Q)
\$ 11 Nitrobenzene-d5	82		82	4.576	4.576	(0.853)	65823	19.3064	19.31
\$ 12 2-Fluorobiphenyl	172		172	6.670	6.670	(0.893)	154437	21.2948	21.29
\$ 13 2,4,6-Tribromopaeonol	330		330	8.473	8.473	(1.135)	48893	49.9776	49.98
\$ 14 Terphenyl-d14	244		244	12.007	12.017	(0.871)	171148	23.2431	23.24
108 Hexachlorobenzene	284		284	Compound Not Detected.					

SM/SL

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: S100401.D
 Lab Smp Id: L7VVM1AA G0J010000-
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0274373;8270F.M

Calibration Date: 04-OCT-2010
 Calibration Time: 10:36
 Client Smp ID: 0274373
 Level: LOW
 Sample Type: AIR

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	93411	-23.82
2 Naphthalene-d8	530514	265257	1061028	402532	-24.12
3 Acenaphthene-d10	282538	141269	565076	225136	-20.32
4 Phenanthrene-d10	462722	231361	925444	358032	-22.62
5 Chrysene-d12	435850	217925	871700	373827	-14.23
6 Perylene-d12	422284	211142	844568	385240	-8.77

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.95	0.00
2 Naphthalene-d8	5.36	4.86	5.86	5.36	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

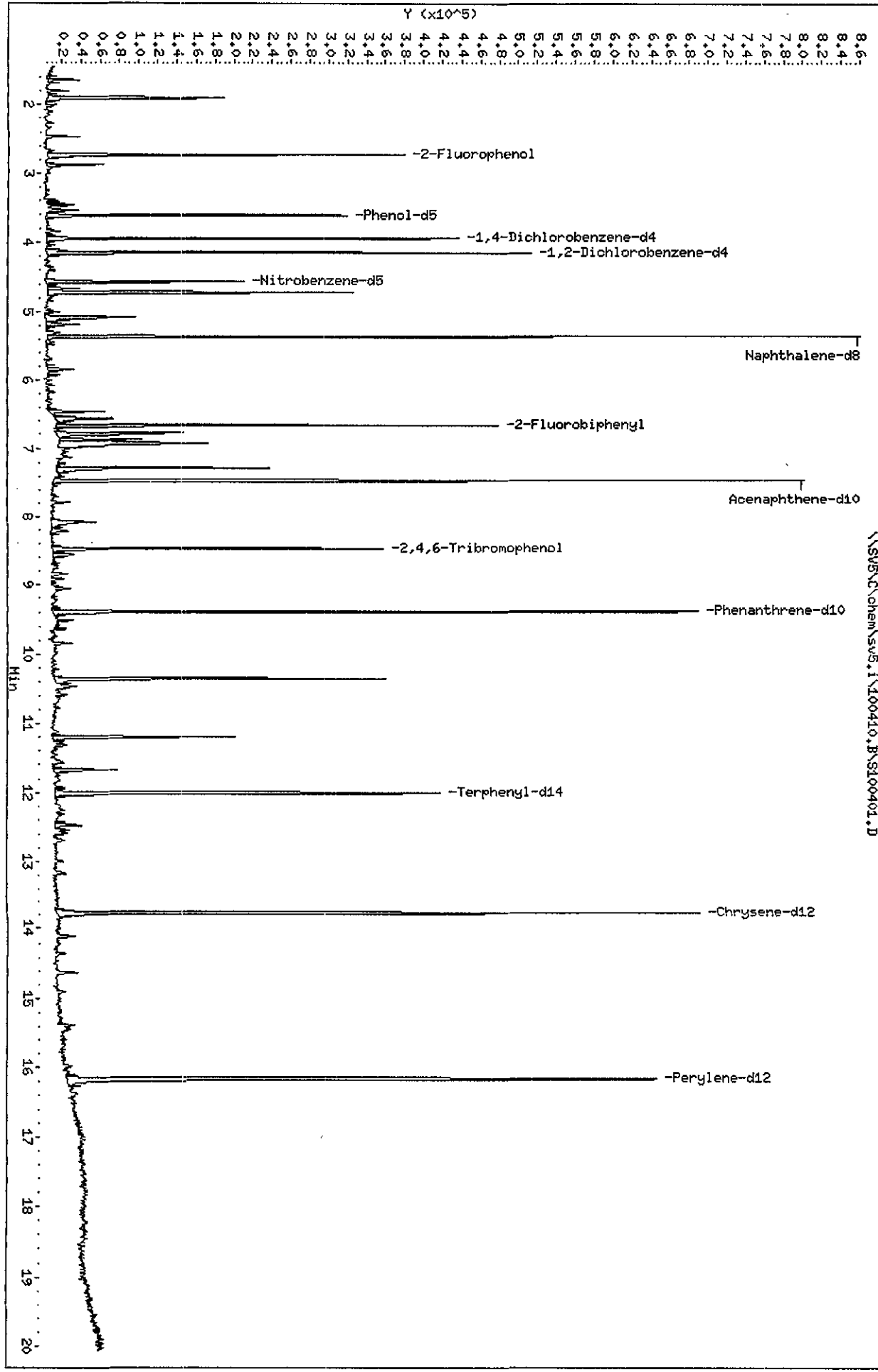
TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: L7VVM1AA G0J010000- Client Smp ID: 0274373
 Level: LOW Operator: KT
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: Quant Type: ISTD
 Sublist File: S11JZHCB.SUB
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0274373;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	50.00	35.98	71.96	41-105
\$ 8 Phenol-d5	50.00	41.02	82.04	43-122
\$ 10 1,2-Dichlorobenzen	50.00	37.77	75.54	60-120
\$ 11 Nitrobenzene-d5	25.00	19.31	77.23	46-118
\$ 12 2-Fluorobiphenyl	25.00	21.29	85.18	58-105
\$ 13 2,4,6-Tribromophen	50.00	49.98	99.96	61-118
\$ 14 Terphenyl-d14	25.00	23.24	92.97	69-110

\\SVS\chem\sv5.1\100410.B\SI00401.D



TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100410.B\S100402.D
 Lab Smp Id: L7VVM1AC G0J010000-
 Inj Date : 04-OCT-2010 12:10
 Operator : KT Inst ID: sv5.i
 Smp Info : L7VVM1AC G0J010000-373C;3;LCS;;1000;;1000;2
 Misc Info : 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Meth Date : 05-Oct-2010 10:22 semivoa Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 2 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: S11JZHCB.SUB
 Target Version: 4.14
 Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.944	3.954	(1.000)	83978	40.0000	(q)	
* 2 Naphthalene-d8	136	5.364	5.364	(1.000)	380187	40.0000		
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	212624	40.0000		
* 4 Phenanthrene-d10	188	9.406	9.405	(1.000)	357071	40.0000		
* 5 Chrysene-d12	240	13.779	13.779	(1.000)	392143	40.0000		
* 6 Perylene-d12	264	16.162	16.162	(1.000)	420067	40.0000		
\$ 7 2-Fluorophenol	112	2.732	2.732	(0.693)	120547	40.7245	40.72	
\$ 8 Phenol-d5	99	3.613	3.612	(0.916)	168218	45.1927	45.19	
\$ 10 1,2-Dichlorobenzene-d4	152	Compound Not Detected.						
\$ 11 Nitrobenzene-d5	82	4.576	4.576	(0.853)	68301	21.2106	21.21	
\$ 12 2-Fluorobiphenyl	172	6.670	6.670	(0.893)	157784	23.0366	23.04	
\$ 13 2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	49209	53.2605	53.26	
\$ 14 Terphenyl-d14	244	12.007	12.017	(0.871)	170023	22.0118	22.01	
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	187445	96.2923	96.29	

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

M p/b

TestAmerica WestSacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: L7VVM1AC G0J010000-
 Level: LOW Operator: KT
 Data Type: MS DATA SampleType: LCS
 SpikeList File: S11JZHCB.SPK Quant Type: ISTD
 Sublist File: S11JZHCB.SUB
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
108 Hexachlorobenzene	100.0	96.29	96.29	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	50.00	40.72	81.45	41-105
\$ 8 Phenol-d5	50.00	45.19	90.39	43-122
\$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
\$ 11 Nitrobenzene-d5	25.00	21.21	84.84	46-118
\$ 12 2-Fluorobiphenyl	25.00	23.04	92.15	58-105
\$ 13 2,4,6-Tribromophen	50.00	53.26	106.52	61-118
\$ 14 Terphenyl-d14	25.00	22.01	88.05	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100410.B\S100402.D
 Lab Smp Id: L7VVM1AC G0J010000-
 Inj Date : 04-OCT-2010 12:10
 Operator : KT Inst ID: sv5.i
 Smp Info : L7VVM1AC G0J010000-373C;3;LCS;;1000;;1000;2
 Misc Info : 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Meth Date : 05-Oct-2010 10:22 semivoa Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 2 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: S11JZHCB.SUB
 Target Version: 4.14
 Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	----	3.944	3.954	(1.000)	83978	40.0000	(q)	
* 2 Naphthalene-d8	136	----	5.364	5.364	(1.000)	380187	40.0000		
* 3 Acenaphthene-d10	164	----	7.468	7.468	(1.000)	212624	40.0000		
* 4 Phenanthrene-d10	188	----	9.406	9.405	(1.000)	357071	40.0000		
* 5 Chrysene-d12	240	----	13.779	13.779	(1.000)	392143	40.0000		
* 6 Perylene-d12	264	----	16.162	16.162	(1.000)	420067	40.0000		
\$ 7 2-Fluorophenol	112	----	2.732	2.732	(0.693)	120547	40.7245	40.72	
\$ 8 Phenol-d5	99	----	3.613	3.612	(0.916)	168218	45.1927	45.19	
\$ 10 1,2-Dichlorobenzene-d4	152	----	4.162	4.151	(1.055)	138	0.06672	0.06672 (QR)	
\$ 11 Nitrobenzene-d5	82	----	4.576	4.576	(0.853)	68301	21.2106	21.21	
\$ 12 2-Fluorobiphenyl	172	----	6.670	6.670	(0.893)	157784	23.0366	23.04	
\$ 13 2,4,6-Tribromophenol	330	----	8.473	8.473	(1.135)	49209	53.2605	53.26	
\$ 14 Terphenyl-d14	244	----	12.007	12.017	(0.871)	170023	22.0118	22.01	
108 Hexachlorobenzene	284	----	8.981	8.981	(0.955)	187445	96.2923	96.29	

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: S100402.D
 Lab Smp Id: L7VVM1AC GOJ010000-
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 04-OCT-2010
 Calibration Time: 10:36
 Level: LOW
 Sample Type: AIR

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	83978	-31.52
2 Naphthalene-d8	530514	265257	1061028	380187	-28.34
3 Acenaphthene-d10	282538	141269	565076	212624	-24.74
4 Phenanthrene-d10	462722	231361	925444	357071	-22.83
5 Chrysene-d12	435850	217925	871700	392143	-10.03
6 Perylene-d12	422284	211142	844568	420067	-0.53

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.94	-0.26
2 Naphthalene-d8	5.36	4.86	5.86	5.36	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: L7VVM1AC G0J010000-
 Level: LOW Operator: KT
 Data Type: MS DATA SampleType: LCS
 SpikeList File: S11JZHCB.SPK Quant Type: ISTD
 Sublist File: S11JZHCB.SUB
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
108 Hexachlorobenzene	100.0	96.29	96.29	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	50.00	40.72	81.45	41-105
\$ 8 Phenol-d5	50.00	45.19	90.39	43-122
\$ 10 1,2-Dichlorobenzen	50.00	0.06672	0.13*	60-120
\$ 11 Nitrobenzene-d5	25.00	21.21	84.84	46-118
\$ 12 2-Fluorobiphenyl	25.00	23.04	92.15	58-105
\$ 13 2,4,6-Tribromophen	50.00	53.26	106.52	61-118
\$ 14 Terphenyl-d14	25.00	22.01	88.05	69-110

Date : 04-OCT-2010 12:10

Client ID:

Instrument: sv5.i

Sample Info: L7VWHHAC G0J010000-373Cf3ILCS;1000;1000;2

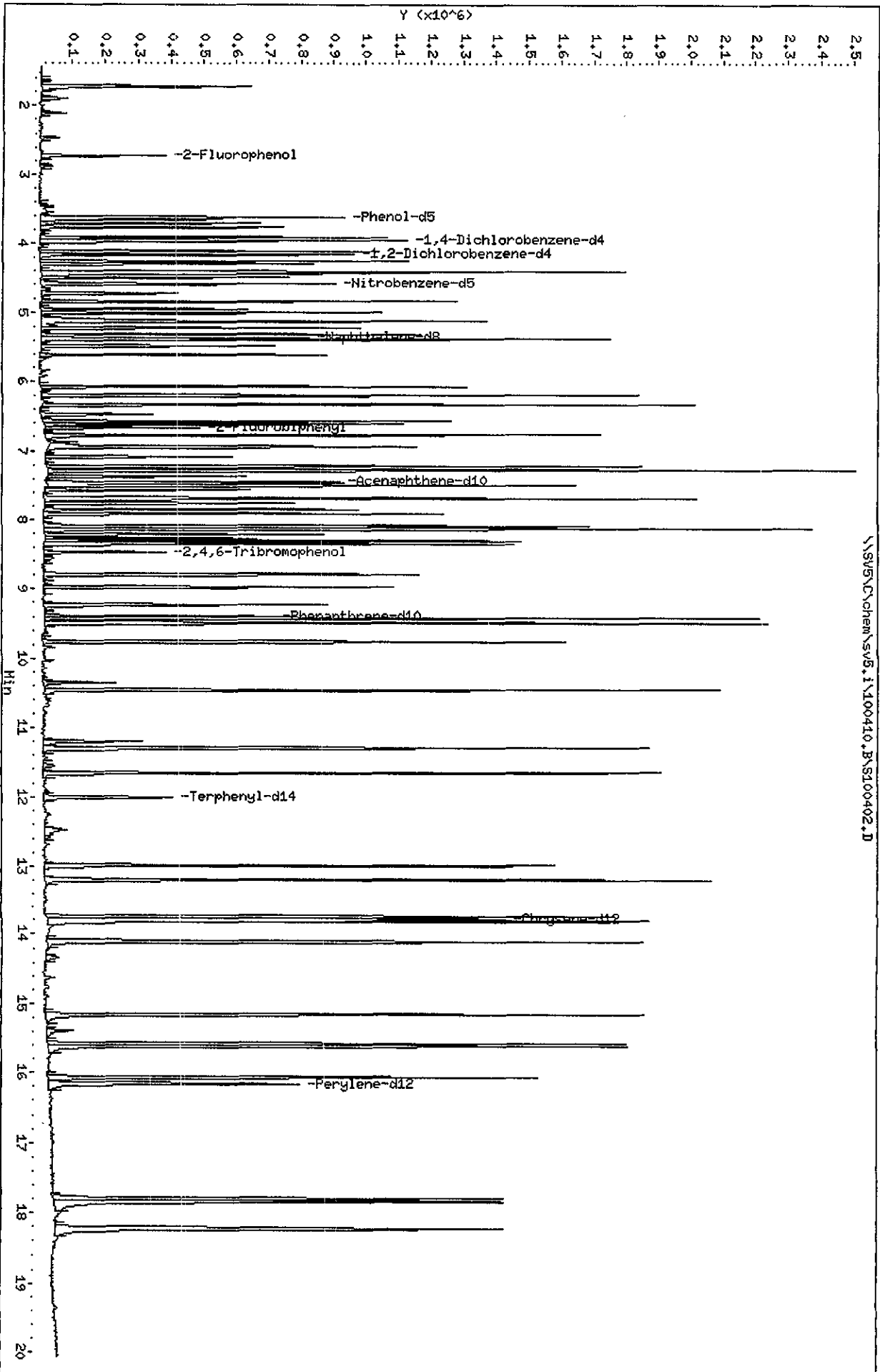
Volume Injected (ul): 1.0

Operator: KT

Column phase:

Column diameter: 2.00

\\SV5\chem\sv5.i\100410.B\SI00402.D



Date : 04-OCT-2010 12:10

Client ID:

Instrument: sv5.i

Sample Info: L7VVM1AC G0JQ10000-373C;3;LCS;;1000;;1000;2

Volume Injected (uL): 1.0

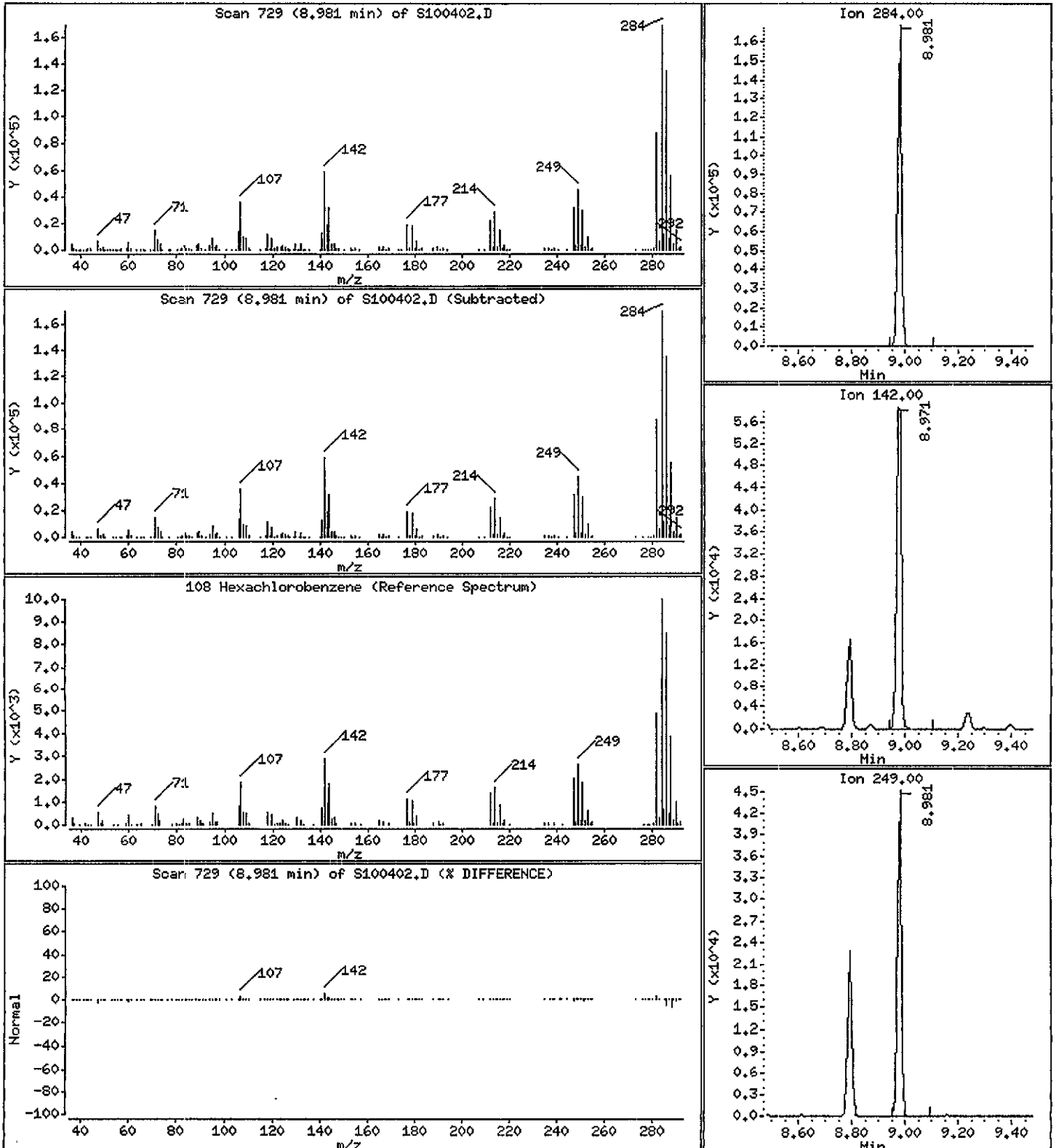
Operator: KT

Column phase:

Column diameter: 2.00

108 Hexachlorobenzene

Concentration: 96.29 ug/L



TestAmerica WestSacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100410.B\S100403.D
 Lab Smp Id: L7VVM1AD G0J010000-
 Inj Date : 04-OCT-2010 12:36
 Operator : KT Inst ID: sv5.i
 Smp Info : L7VVM1AD G0J010000-373L;3;LCSD;;1000;;1000;2
 Misc Info : 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Meth Date : 05-Oct-2010 10:22 semivoa Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 3 QC Sample: LCSD
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: S11JZHCB.SUB
 Target Version: 4.14
 Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152			3.944	3.954	(1.000)	89452	40.0000	
* 2 Naphthalene-d8	136			5.364	5.364	(1.000)	395632	40.0000	
* 3 Acenaphthene-d10	164			7.468	7.468	(1.000)	218680	40.0000	
* 4 Phenanthrene-d10	188			9.405	9.405	(1.000)	362238	40.0000	
* 5 Chrysene-d12	240			13.779	13.779	(1.000)	386373	40.0000	
* 6 Perylene-d12	264			16.162	16.162	(1.000)	400665	40.0000	
\$ 7 2-Fluorophenol	112			2.732	2.732	(0.693)	126290	40.0538	40.05
\$ 8 Phenol-d5	99			3.613	3.612	(0.916)	171522	43.2604	43.26
\$ 10 1,2-Dichlorobenzene-d4	152			Compound Not Detected.					
\$ 11 Nitrobenzene-d5	82			4.576	4.576	(0.853)	69567	20.7604	20.76
\$ 12 2-Fluorobiphenyl	172			6.670	6.670	(0.893)	156525	22.2199	22.22
\$ 13 2,4,6-Tribromophenol	330			8.473	8.473	(1.135)	51232	53.9145	53.91
\$ 14 Terphenyl-d14	244			12.007	12.017	(0.871)	169597	22.2845	22.28
108 Hexachlorobenzene	284			8.981	8.981	(0.955)	190168	96.2977	96.30

5/12/10

TestAmerica WestSacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: L7VVM1AD G0J010000-
 Level: LOW Operator: KT
 Data Type: MS DATA SampleType: LCSD
 SpikeList File: S11JZHCB.SPK Quant Type: ISTD
 Sublist File: S11JZHCB.SUB
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
108 Hexachlorobenzene	100.0	96.30	96.30	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	50.00	40.05	80.11	41-105
\$ 8 Phenol-d5	50.00	43.26	86.52	43-122
\$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
\$ 11 Nitrobenzene-d5	25.00	20.76	83.04	46-118
\$ 12 2-Fluorobiphenyl	25.00	22.22	88.88	58-105
\$ 13 2,4,6-Tribromophen	50.00	53.91	107.83	61-118
\$ 14 Terphenyl-d14	25.00	22.28	89.14	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100410.B\S100403.D
 Lab Smp Id: L7VVM1AD G0J010000-
 Inj Date : 04-OCT-2010 12:36
 Operator : KT
 Smp Info : L7VVM1AD G0J010000-373L;3;LCSD;;1000;;1000;2
 Misc Info : 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Meth Date : 05-Oct-2010 10:22 semivoa Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 3 QC Sample: LCSD
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: S11JZHCB.SUB
 Target Version: 4.14
 Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.944	3.954	(1.000)	89452	40.0000	
* 2 Naphthalene-d8	136	5.364	5.364	(1.000)	395632	40.0000	
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	218680	40.0000	
* 4 Phenanthrene-d10	188	9.405	9.405	(1.000)	362238	40.0000	
* 5 Chrysene-d12	240	13.779	13.779	(1.000)	386373	40.0000	
* 6 Perylene-d12	264	16.162	16.162	(1.000)	400665	40.0000	
\$ 7 2-Fluorophenol	112	2.732	2.732	(0.693)	126290	40.0538	40.05
\$ 8 Phenol-d5	99	3.613	3.612	(0.916)	171522	43.2604	43.26
\$ 10 1,2-Dichlorobenzene-d4	152	3.944	4.151	(1.000)	89452	40.6039	40.60(q)
\$ 11 Nitrobenzene-d5	82	4.576	4.576	(0.853)	69567	20.7604	20.76
\$ 12 2-Fluorobiphenyl	172	6.670	6.670	(0.893)	156525	22.2199	22.22
\$ 13 2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	51232	53.9145	53.91
\$ 14 Terphenyl-d14	244	12.007	12.017	(0.871)	169597	22.2845	22.28
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	190168	96.2977	96.30

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: S100403.D
 Lab Smp Id: L7VVM1AD G0J010000-
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 04-OCT-2010
 Calibration Time: 10:36
 Level: LOW
 Sample Type: AIR

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	89452	-27.05
2 Naphthalene-d8	530514	265257	1061028	395632	-25.42
3 Acenaphthene-d10	282538	141269	565076	218680	-22.60
4 Phenanthrene-d10	462722	231361	925444	362238	-21.72
5 Chrysene-d12	435850	217925	871700	386373	-11.35
6 Perylene-d12	422284	211142	844568	400665	-5.12

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.94	-0.26
2 Naphthalene-d8	5.36	4.86	5.86	5.36	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: L7VVM1AD G0J010000-
 Level: LOW Operator: KT
 Data Type: MS DATA SampleType: LCSD
 SpikeList File: S11JZHCB.SPK Quant Type: ISTD
 Sublist File: S11JZHCB.SUB
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
108 Hexachlorobenzene	100.0	96.30	96.30	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	50.00	40.05	80.11	41-105
\$ 8 Phenol-d5	50.00	43.26	86.52	43-122
\$ 10 1,2-Dichlorobenzen	50.00	40.60	81.21	60-120
\$ 11 Nitrobenzene-d5	25.00	20.76	83.04	46-118
\$ 12 2-Fluorobiphenyl	25.00	22.22	88.88	58-105
\$ 13 2,4,6-Tribromophen	50.00	53.91	107.83	61-118
\$ 14 Terphenyl-d14	25.00	22.28	89.14	69-110

Data File: \\SV5\chem\sv5.i\100410.B\S100403.D
Date: 04-OCT-2010 12:36

Client ID:

Sample Info: L7WH41AD G0J010000-373L;3;LCS0;1000;1000;2

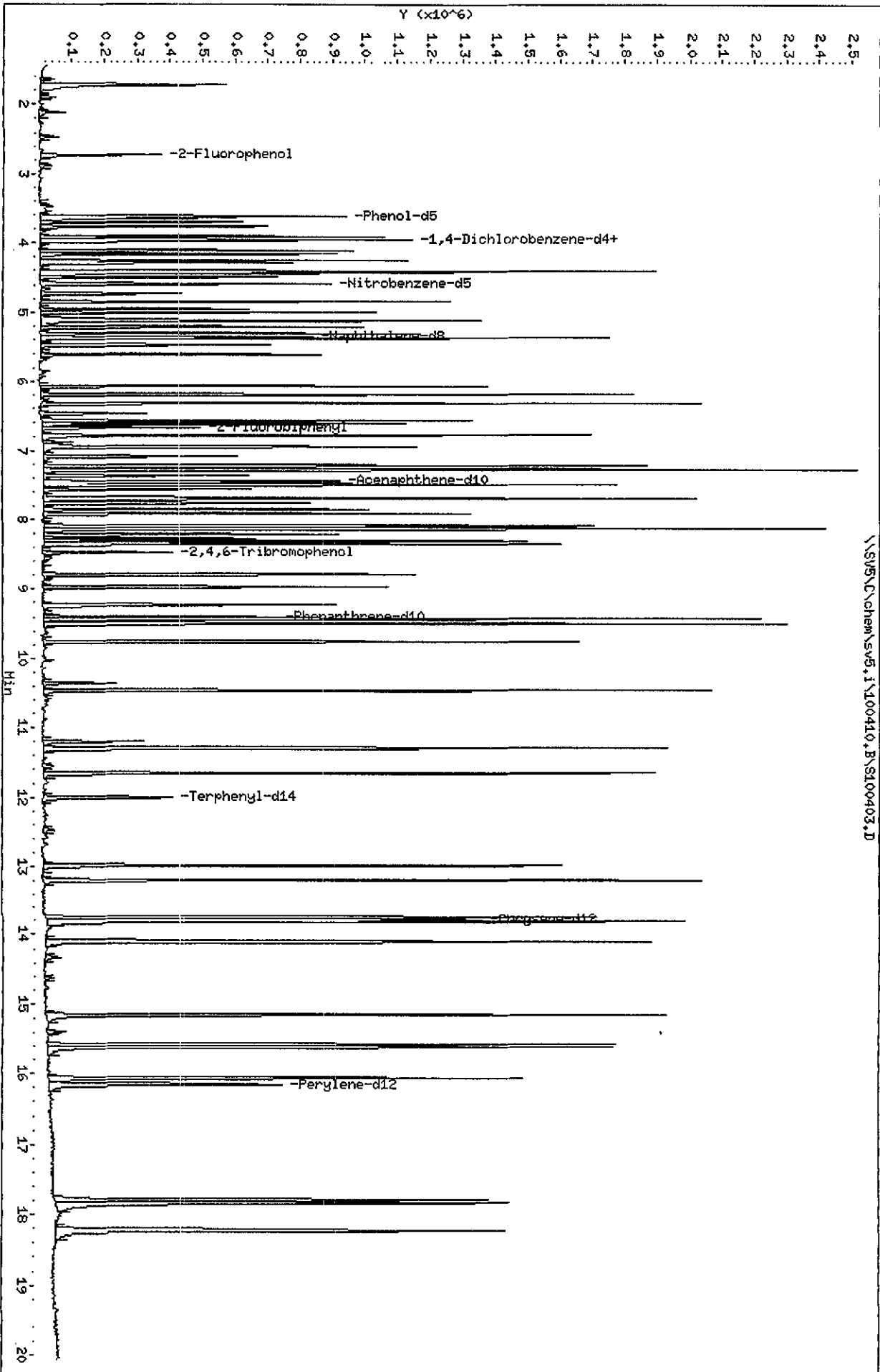
Volume Injected (uL): 1.0

Column phase:

Instrument: sv5.i

Operator: KI

Column diameter: 2.00



Date : 04-OCT-2010 12:36

Client ID:

Instrument: sv5.1

Sample Info: L7VVM1AD G0J010000-373L;3;LCSD;;1000;;1000;2

Volume Injected (uL): 1.0

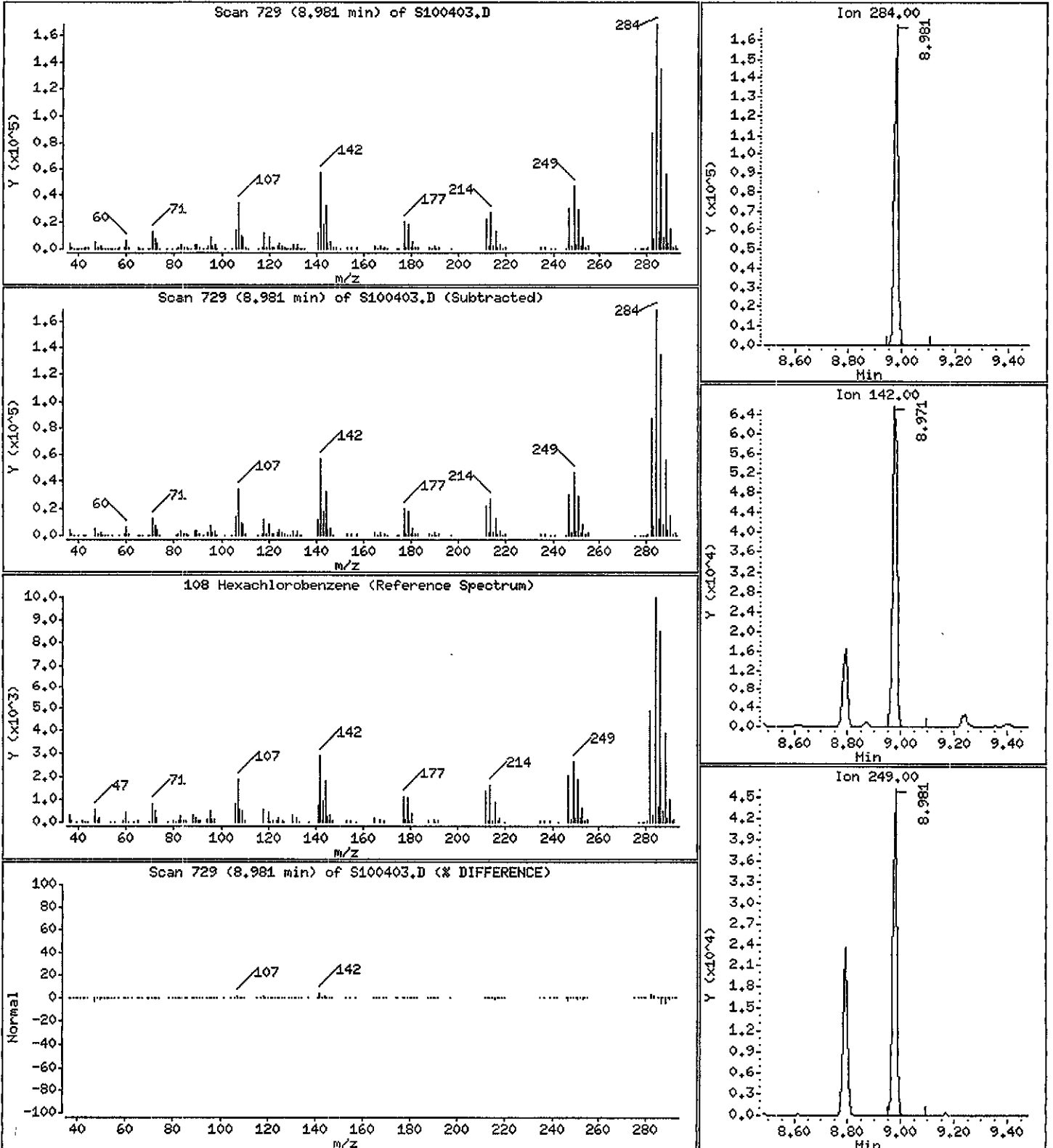
Operator: KT

Column phase:

Column diameter: 2.00

108 Hexachlorobenzene

Concentration: 96.30 ug/L



TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100410.B\S100404.D
 Lab Smp Id: L7VDD1AA G0J010524- Client Smp ID: 0274373
 Inj Date : 04-OCT-2010 13:05
 Operator : KT Inst ID: sv5.i
 Smp Info : L7VDD1AA G0J010524-2;0;;;1000;;1000;5
 Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0274373;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Meth Date : 05-Oct-2010 10:22 semivoa Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: S11JZHCB.SUB
 Target Version: 4.14
 Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152		3.944	3.954	(1.000)	102147	40.0000		(Q)
* 2 Naphthalene-d8	136		5.364	5.364	(1.000)	420956	40.0000		
* 3 Acenaphthene-d10	164		7.468	7.468	(1.000)	236343	40.0000		
* 4 Phenanthrene-d10	188		9.405	9.405	(1.000)	381269	40.0000		
* 5 Chrysene-d12	240		13.779	13.779	(1.000)	394329	40.0000		
* 6 Perylene-d12	264		16.162	16.162	(1.000)	398321	40.0000		
\$ 7 2-Fluorophenol	112		2.732	2.732	(0.693)	121967	33.8752	33.88	
\$ 8 Phenol-d5	99		3.613	3.612	(0.916)	189306	41.8119	41.81	
\$ 10 1,2-Dichlorobenzene-d4	152		4.151	4.151	(1.053)	66507	26.4368	26.44	(qR)
\$ 11 Nitrobenzene-d5	82		4.576	4.576	(0.853)	62934	17.6511	17.65	
\$ 12 2-Fluorobiphenyl	172		6.670	6.670	(0.893)	148053	19.4465	19.45	
\$ 13 2,4,6-Tribromophenol	330		8.473	8.473	(1.135)	54995	53.5493	53.55	
\$ 14 Terphenyl-d14	244		12.017	12.017	(0.872)	185801	23.9211	23.92	
108 Hexachlorobenzene	294								Compound Not Detected.

Smp 15/10

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: S100404.D
 Lab Smp Id: L7VDD1AA G0J010524-
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0274373;8270F.M

Calibration Date: 04-OCT-2010
 Calibration Time: 10:36
 Client Smp ID: 0274373
 Level: LOW
 Sample Type: AIR

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	102147	-16.70
2 Naphthalene-d8	530514	265257	1061028	420956	-20.65
3 Acenaphthene-d10	282538	141269	565076	236343	-16.35
4 Phenanthrene-d10	462722	231361	925444	381269	-17.60
5 Chrysene-d12	435850	217925	871700	394329	-9.53
6 Perylene-d12	422284	211142	844568	398321	-5.67

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.94	-0.26
2 Naphthalene-d8	5.36	4.86	5.86	5.36	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica West Sacramento

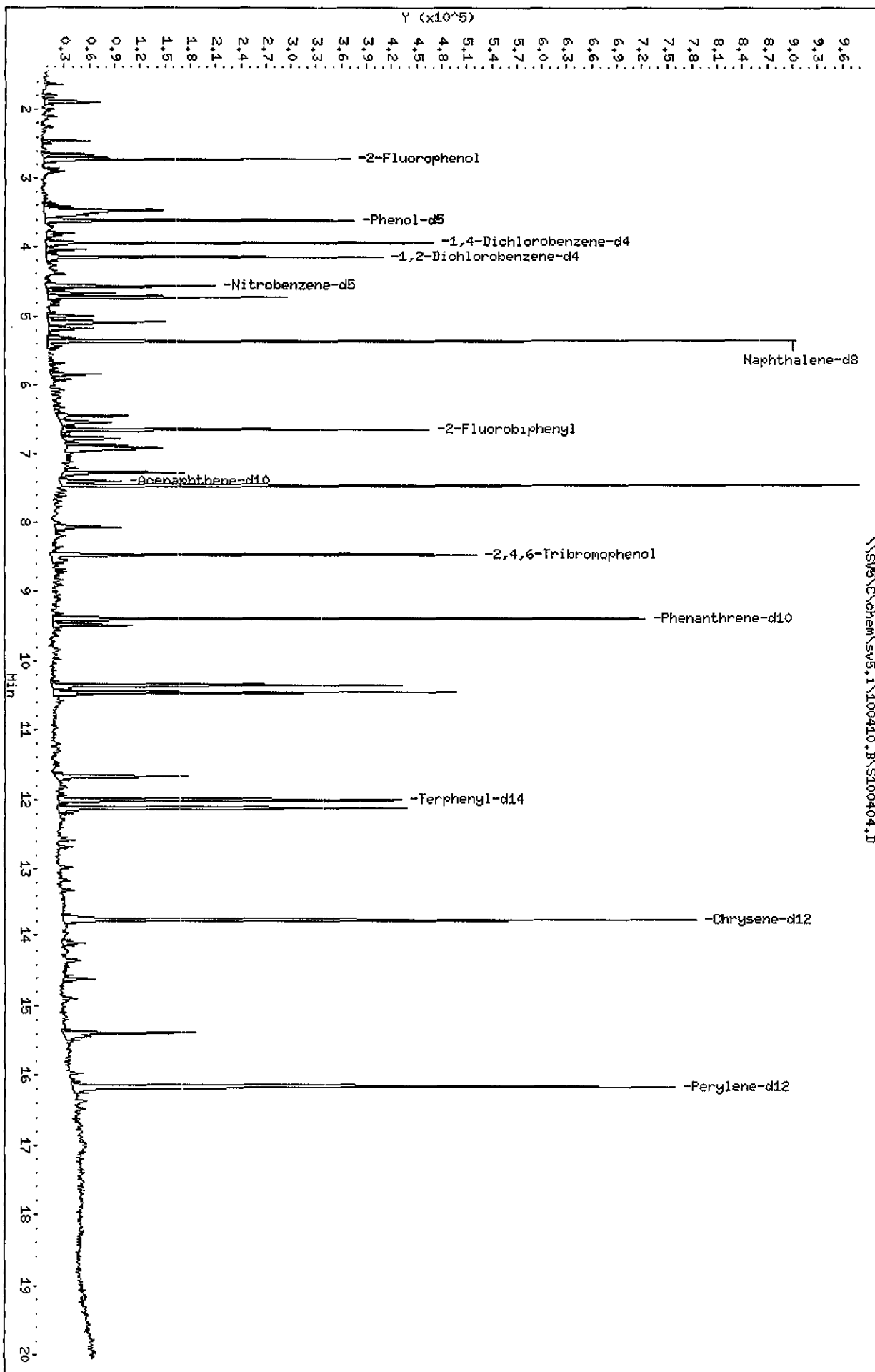
RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: L7VDD1AA G0J010524- Client Smp ID: 0274373
 Level: LOW Operator: KT
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: Quant Type: ISTD
 Sublist File: S11JZHCB.SUB
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0274373;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	50.00	33.88	67.75	41-105
\$ 8 Phenol-d5	50.00	41.81	83.62	43-122
\$ 10 1,2-Dichlorobenzen	50.00	26.44	52.87*	60-120
\$ 11 Nitrobenzene-d5	25.00	17.65	70.60	46-118
\$ 12 2-Fluorobiphenyl	25.00	19.45	77.79	58-105
\$ 13 2,4,6-Tribromophen	50.00	53.55	107.10	61-118
\$ 14 Terphenyl-d14	25.00	23.92	95.68	69-110

Data File: \\SV5\chem\sv5.i\100410.B\S100404.D
 Date: 04-OCT-2010 13:05
 Client ID: 0274373
 Sample Info: L7VDD1A4 G01010524-210110001100005
 Volume Injected (ul): 1.0
 Column phase:

Instrument: sv5.i
 Operator: KT
 Column diameter: 2.00



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Method 8270C
 Data file : \\sv5\c\chem\sv5.i\100410.B\S100405.D
 Lab Smp Id: L7VDF1AA G0J010524- Client Smp ID: 0274373
 Inj Date : 04-OCT-2010 13:30
 Operator : KT Inst ID: sv5.i
 Smp Info : L7VDF1AA G0J010524-4;0;;;1000;;1000;5
 Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0274373;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\100410.B\8270f.m
 Meth Date : 05-Oct-2010 10:22 semivoa Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: S11JZHCB.SUB
 Target Version: 4.14
 Processing Host: SACP333

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.954	3.954	(1.000)	80281	40.0000		(Q)
* 2 Naphthalene-d8	136	5.364	5.364	(1.000)	356779	40.0000		
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	199872	40.0000		
* 4 Phenanthrene-d10	188	9.395	9.405	(1.000)	341398	40.0000		
* 5 Chrysene-d12	240	13.779	13.779	(1.000)	354588	40.0000		
* 6 Perylene-d12	264	16.162	16.162	(1.000)	367751	40.0000		
\$ 7 2-Fluorophenol	112	2.732	2.732	(0.691)	78932	27.8937		27.89
\$ 8 Phenol-d5	99	3.612	3.612	(0.914)	135385	38.0468		38.05
\$ 10 1,2-Dichlorobenzene-d4	152	4.151	4.151	(1.050)	53761	27.1908		27.19 (QR)
\$ 11 Nitrobenzene-d5	82	4.576	4.576	(0.853)	46089	15.2518		15.25 (M)
\$ 12 2-Fluorobiphenyl	172	6.670	6.670	(0.893)	111399	17.3020		17.30
\$ 13 2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	51448	59.2366		59.24 (R)
\$ 14 Terphenyl-d14	244	12.007	12.017	(0.871)	170670	24.4357		24.44
108 Hexachlorobenzene	284	8.981	8.981	(0.956)	19287	10.3628		10.36

*5h
6/6/10*

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.
 M - Compound response manually integrated.

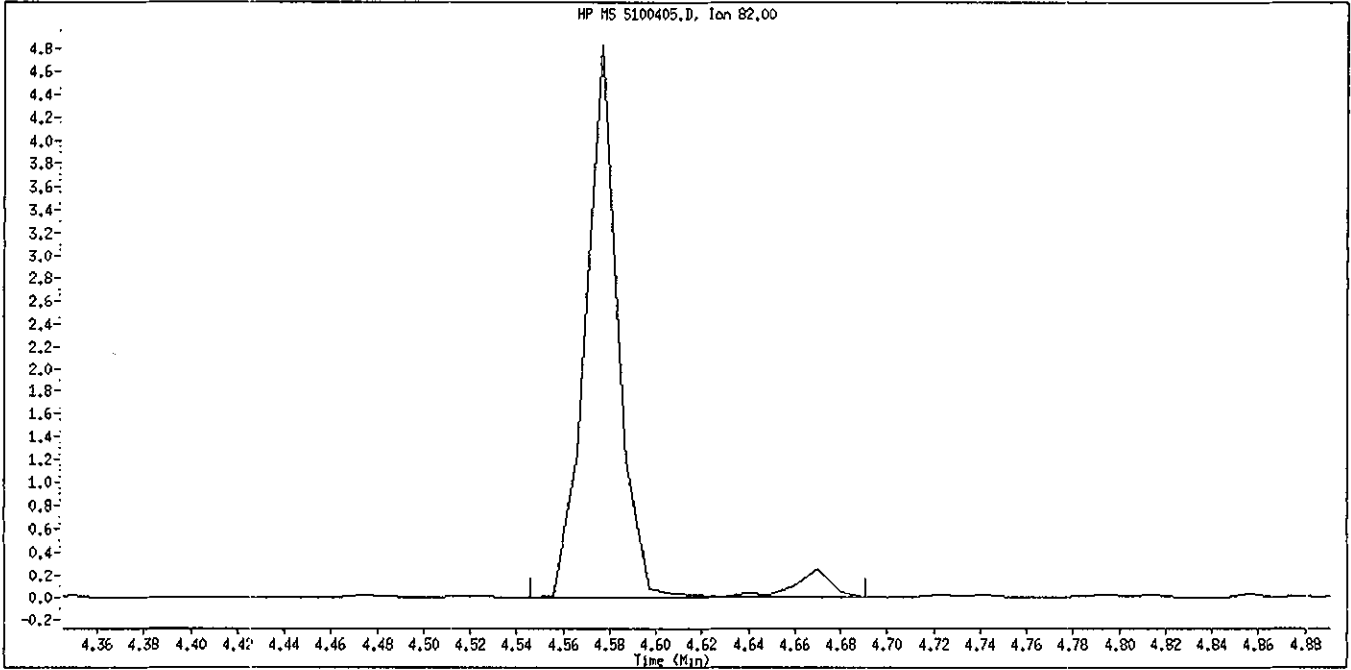
TestAmerica WestSacramento

RECOVERY REPORT

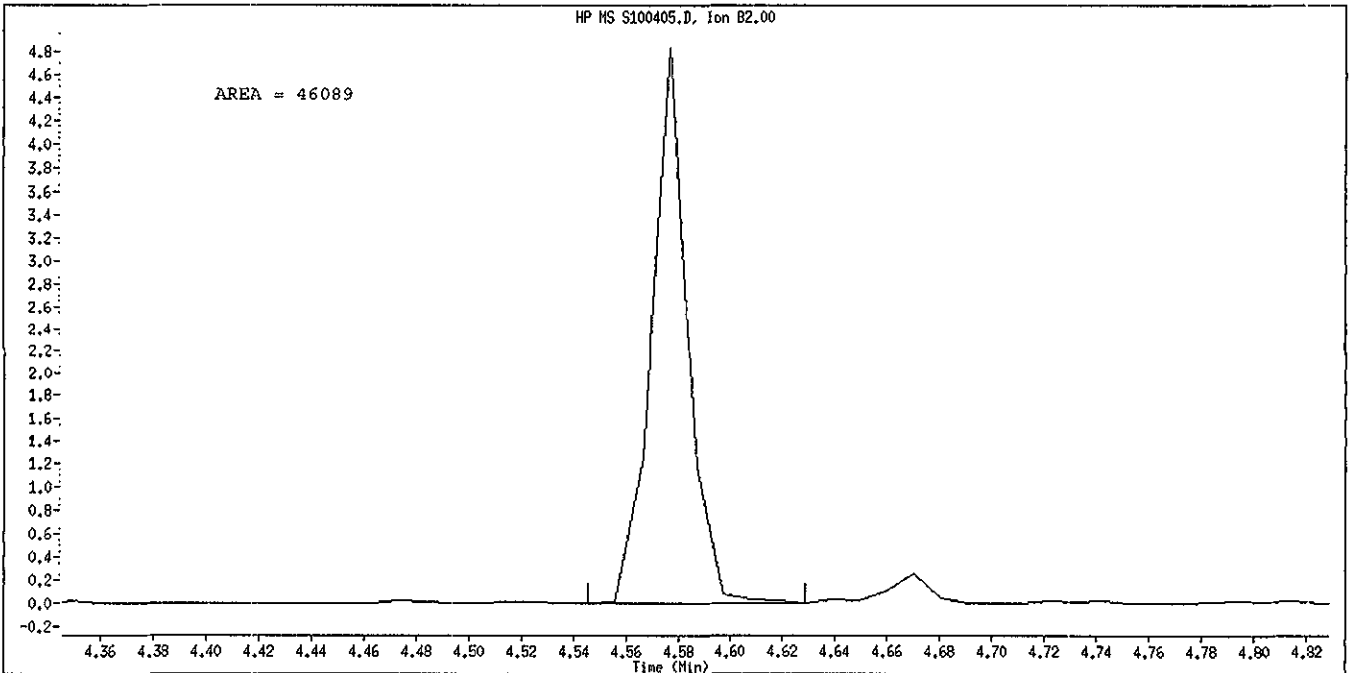
Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: L7VDF1AA G0J010524- Client Smp ID: 0274373
 Level: LOW Operator: KT
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: Quant Type: ISTD
 Sublist File: S11JZHCB.SUB
 Method File: \\sv5\c\chem\sv5.i\100410.B\8270f.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0274373;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	50.00	27.89	55.79	41-105
\$ 8 Phenol-d5	50.00	38.05	76.09	43-122
\$ 10 1,2-Dichlorobenzen	50.00	27.19	54.38*	60-120
\$ 11 Nitrobenzene-d5	25.00	15.25	61.01	46-118
\$ 12 2-Fluorobiphenyl	25.00	17.30	69.21	58-105
\$ 13 2,4,6-Tribromophen	50.00	59.24	118.47*	61-118
\$ 14 Terphenyl-d14	25.00	24.44	97.74	69-110

Data File Name: S100405.D
Inj. Date and Time: 04-OCT-2010 13:30
Instrument ID: sv5.i
Client ID: 0274373
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 10/05/2010



Original Integration



Manual Integration

Manually Integrated By: scottsx
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C
 Data file : \\SV5\C\chem\sv5.i\100410.B\S100405.D
 Lab Smp Id: L7VDF1AA G0J010524- Client Smp ID: 0274373
 Inj Date : 04-OCT-2010 13:30
 Operator : KT Inst ID: sv5.i
 Smp Info : L7VDF1AA G0J010524-4;0;;;1000;;1000;5
 Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0274373;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Meth Date : 05-Oct-2010 10:22 semivoa Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: S11JZHCB.SUB
 Target Version: 4.14
 Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.954	3.954	(1.000)	80281	40.0000		(Q)
* 2 Naphthalene-d8	136	5.364	5.364	(1.000)	356779	40.0000		
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	199872	40.0000		
* 4 Phenanthrene-d10	188	9.395	9.405	(1.000)	341398	40.0000		
* 5 Chrysene-d12	240	13.779	13.779	(1.000)	354588	40.0000		
* 6 Perylene-d12	264	16.162	16.162	(1.000)	367751	40.0000		
\$ 7 2-Fluorophenol	112	2.732	2.732	(0.691)	78932	27.8937		27.89
\$ 8 Phenol-d5	99	3.612	3.612	(0.914)	135385	38.0468		38.05
\$ 10 1,2-Dichlorobenzene-d4	152	4.151	4.151	(1.050)	53761	27.1908		27.19(QR)
\$ 11 Nitrobenzene-d5	82	4.576	4.576	(0.853)	49074	16.2396		16.24
\$ 12 2-Fluorobiphenyl	172	6.670	6.670	(0.893)	111399	17.3020		17.30
\$ 13 2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	51448	59.2366		59.24(R)
\$ 14 Terphenyl-d14	244	12.007	12.017	(0.871)	170670	24.4357		24.44
108 Hexachlorobenzene	284	8.981	8.981	(0.956)	19287	10.3628		10.36

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: S100405.D
 Lab Smp Id: L7VDF1AA G0J010524-
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0274373;8270F.M

Calibration Date: 04-OCT-2010
 Calibration Time: 10:36
 Client Smp ID: 0274373
 Level: LOW
 Sample Type: AIR

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	80281	-34.53
2 Naphthalene-d8	530514	265257	1061028	356779	-32.75
3 Acenaphthene-d10	282538	141269	565076	199872	-29.26
4 Phenanthrene-d10	462722	231361	925444	341398	-26.22
5 Chrysene-d12	435850	217925	871700	354588	-18.64
6 Perylene-d12	422284	211142	844568	367751	-12.91

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.95	0.00
2 Naphthalene-d8	5.36	4.86	5.86	5.36	-0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.40	-0.11
5 Chrysene-d12	13.78	13.28	14.28	13.78	-0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica West Sacramento

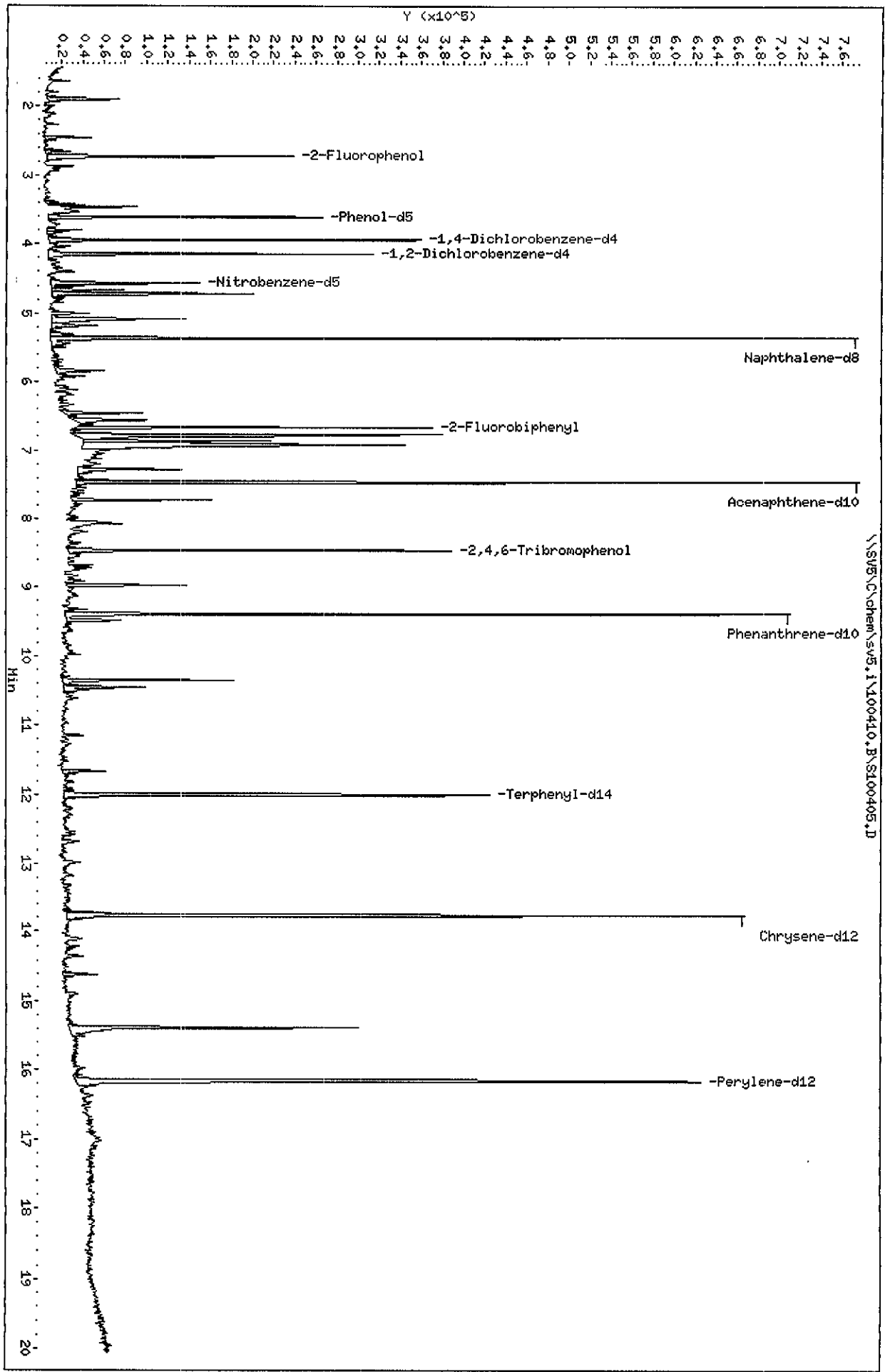
RECOVERY REPORT

Client Name: Client SDG: 090498
 Sample Matrix: GAS Fraction: SV
 Lab Smp Id: L7VDF1AA G0J010524- Client Smp ID: 0274373
 Level: LOW Operator: KT
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: Quant Type: ISTD
 Sublist File: S11JZHCB.SUB
 Method File: \\SV5\C\chem\sv5.i\100410.B\8270F.m
 Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0274373;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 7 2-Fluorophenol	50.00	27.89	55.79	41-105
\$ 8 Phenol-d5	50.00	38.05	76.09	43-122
\$ 10 1,2-Dichlorobenzen	50.00	27.19	54.38*	60-120
\$ 11 Nitrobenzene-d5	25.00	16.24	64.96	46-118
\$ 12 2-Fluorobiphenyl	25.00	17.30	69.21	58-105
\$ 13 2,4,6-Tribromophen	50.00	59.24	118.47*	61-118
\$ 14 Terphenyl-d14	25.00	24.44	97.74	69-110

Data File: \\SV5\C\chem\sv5.1\100410.B\S100405.D
 Date: 04-OCT-2010 13:30
 Client ID: 0274373
 Sample Info: L7VDF1A0 G0J010524-4:0;;;11000;11000;5
 Volume Injected (uL): 1.0
 Column phase:

Instrument: sv5.i
 Operator: KT
 Column diameter: 2.00



Date : 04-OCT-2010 13:30

Client ID: 0274373

Instrument: sv5.i

Sample Info: L7VDF1AA G0J010524-4;0;:::1000;:1000;5

Volume Injected (uL): 1.0

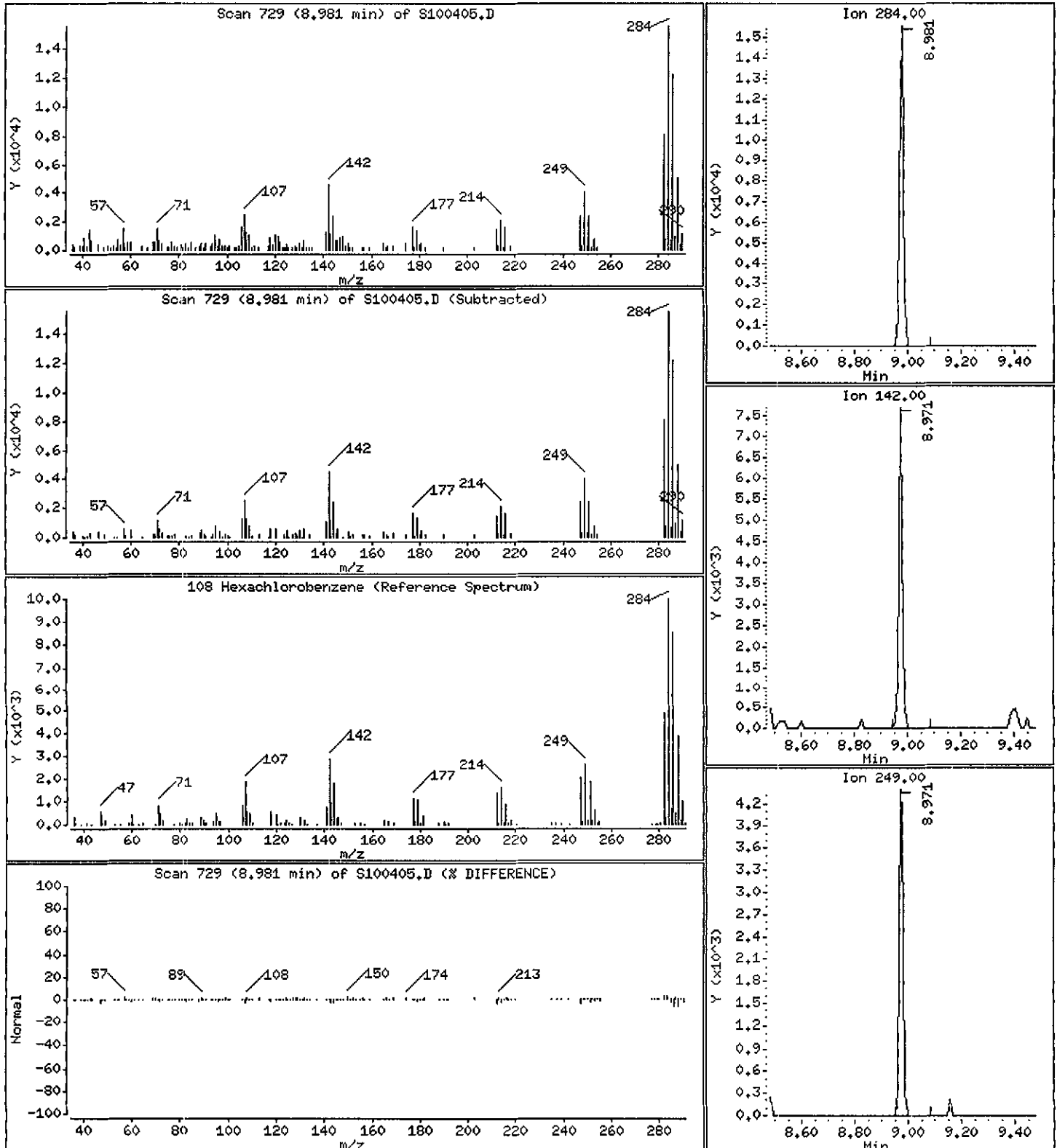
Operator: KT

Column phase:

Column diameter: 2.00

108 Hexachlorobenzene

Concentration: 10.36 ug/L



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Instrument: SV5

DFTPP Mix ID: 10MSSV0129

Injection Date: 10/02/10

STD Mix IDs: 10MSSV0307-0313

Initiator/Date: KT-10/03/10

2nd Source Mix ID: 10MSSV0314, 342

Reviewer/Date: D. J. 10/4/10

NCM _____

I: SPCCs The SPCC RRFs must be greater than 0.050.

	Initiated	Reviewed		Initiated	Reviewed
N-nitroso-di-n-propylamine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2,4-Dinitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hexachlorocyclopentadiene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4-Nitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

II: CCCs The CCC % RSDs must be less than 30%

	Initiated	Reviewed		Initiated	Reviewed
Phenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Acenaphthene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1,4-Dichlorobenzene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N-nitrosodiphenylamine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2-Nitrophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pentachlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2,4-Dichlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fluoranthene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hexachlorobutadiene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Di-n-octyl phthalate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4-chloro-3-methylphenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Benzo(a)pyrene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2,4,6-Trichlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

III: Other Criteria

The custom.rp shows that the average of the average is less than 15% on the CCV level standard. Avg of AVG: _____

Tailing and degradation criteria are met.

The Tune Documentation is present and meets criteria

All Internal Standards within 50-200% of ICAL mid-point.

Calibration History Included.

Manual re-integrations are checked/initialed and hardcopies included.

Standards analyzed with within 12 hours of Tune time.

Retention time correct for Isomers and all other analytes.

Linear Regressions >0.990 and intercept < ± (½ RL / IS amount)

The second source standard meets the SSCS criteria

File Name: _____

Initiated	Reviewed
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

IV: Non-CCC Compounds Over 15% (Write compound and %D)

None

V: Second Source Compounds Over 25% (Write compound and %D)

None

GC/MS INSTRUMENT LOG
SEMI-VOLATILES

Method Key (MTH Column)

QL = EPA 8270C (WS-MS-0005)

JZ = EPA TO-13A (WS-MS-0005)

VX = EPA 8270C-SIM (mod) CWM (WS-MS-0003)

QI = EPA 8270C-SIM (WS-MS-0008)

FX = PAH-SIM Isotope Dilution (WS-MS-0006)

F9 = EPA 8270C-SIM (mod) 1,4-Dioxane (WS-MS-0011)

Inst ID : sv5.i

Batch ID : 100210.B

ICAL Date: See Calib Report

See raw data for standard IDs

Date	Time	USER	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	MTH	Comments
02-OCT-2010	11:43	KT	Primer	QC001.D	NA	NA	NA		
02-OCT-2010	12:06	KT	DFTPP 50ug/ml	DFT1002.D	NA	NA	NA		
02-OCT-2010	12:27	KT	HSL_005 ug/ml CS-1	HSL1002A.	NA	NA	NA		
02-OCT-2010	12:53	KT	HSL_010 ug/ml CS-2	HSL1002B.	NA	NA	NA		
02-OCT-2010	13:18	KT	HSL_020 ug/ml CS-3	HSL1002C.	NA	NA	NA		
02-OCT-2010	13:44	KT	HSL_050 ug/ml CS-4	HSL1002D.	NA	NA	NA		
02-OCT-2010	14:09	KT	HSL_080 ug/ml CS-5	HSL1002E.	NA	NA	NA		
02-OCT-2010	14:35	KT	HSL_120 ug/ml CS-6	HSL1002F.	NA	NA	NA		
02-OCT-2010	15:00	KT	HSL_160 ug/ml CS-7	HSL1002G.	NA	NA	NA		
02-OCT-2010	16:11	KT	HSL_050 ug/ml ICV	HSL1002H.	NA	NA	NA		
02-OCT-2010	16:36	KT	Benzidines ICV 50ug/mL	HSL1002H1	NA	NA	NA		

SNS HSL
 10/3/10

Report Date : 03-Oct-2010 11:10

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
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 Quant Method : ISTD
 Target Version : 4.14
 Integrator : Falcon
 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Last Edit : 03-Oct-2010 11:09 onishim

Calibration File Names:

- Level 1: \\SV5\C\chem\sv5.i\081710.B\AP90817A.D
- Level 2: \\SV5\C\chem\sv5.i\081710.B\AP90817B.D
- Level 3: \\SV5\C\chem\sv5.i\081710.B\AP90817C.D
- Level 4: \\SV5\C\chem\sv5.i\081710.B\AP90817D.D
- Level 5: \\SV5\C\chem\sv5.i\081710.B\AP90817E.D
- Level 6: \\SV5\C\chem\sv5.i\081710.B\AP90817F.D
- Level 7: \\SV5\C\chem\sv5.i\081710.B\AP90817G.D

Compound	5.0000		10.0000		20.0000		50.0000		80.0000		120.0000		Coefficients ml	m2	RSD or R ²	
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5				Level 6
15 N-Nitrosodimethylamine	0.92899	0.88268	0.91048	0.91970	0.93346	0.93916	0.93833	1.67117	1.37423	1.59449	1.56610	1.52299	1.53256	AVRG	0.92154	2.16207
16 Pyridine	1.52623													AVRG	1.54111	5.85560
23 Aniline	2.20796	2.15935	2.19988	2.26058	2.29749	2.33400	2.33783							AVRG	2.25673	3.03753
24 Phenol	2.04111	1.96212	2.02834	2.03430	2.06683	2.06089	2.06740							AVRG	2.03729	1.80250

Manual calculation for 2.4.5-Trichlorophenol @ Level 3:
 $\frac{55529}{328608} \times \frac{40}{20} = 0.33796$ by 10/4/10

TestAmerica West Sacramento

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 Last Edit : 03-Oct-2010 11:09 onishim

Compound	Levels							Curve	b	Coefficients		RSD or R ²
	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	m1			m2		
26 Bis(2-chloroethyl)ether	1.47335 1.44264	1.38252	1.39491	1.43824	1.42549	1.44300	AVRG		1.42859		2.17028	
27 2-Chlorophenol	1.52099 1.57039	1.55595	1.56903	1.58168	1.58789	1.58074	AVRG		1.56381		1.32805	
28 1,3-Dichlorobenzene	1.68903 1.72457	1.69173	1.67754	1.73135	1.68641	1.72299	AVRG		1.70337		1.23370	
29 1,4-Dichlorobenzene	1.77122 1.81444	1.79861	1.74013	1.76898	1.78200	1.79288	AVRG		1.78118		1.35229	
30 Benzyl Alcohol	1.01643 1.09506	1.03654	0.99182	1.04980	1.07792	1.08952	AVRG		1.05101		3.69696	
31 1,2-Dichlorobenzene	1.62008 1.64691	1.63185	1.60455	1.68061	1.63410	1.64415	AVRG		1.63746		1.45884	
32 2-Methylphenol	1.40818 1.47889	1.38930	1.39110	1.42620	1.45565	1.46154	AVRG		1.43012		2.50558	

TestAmerica West Sacramento

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Compound	5.0000							20.0000							50.0000							80.0000							120.0000							Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	m1	m2	
33 2,2'-oxybis(1-Chloropropane)	2.29602	2.22080	2.28329	2.27928	2.27018	2.27830	2.28770	1.48606	1.48913	1.46270	1.52238	1.52653	1.55886	1.58763	0.60925	0.60836	0.60573	0.61394	0.60427	0.59381	0.60636	0.60636	1.01180	1.01180	2.27365	2.27365	1.08468											
34 4-Methylphenol	1.48606	1.48913	1.46270	1.52238	1.52653	1.55886	1.58763	0.60925	0.60836	0.60573	0.61394	0.60427	0.59381	0.60636	0.94498	0.97005	1.01302	1.02370	1.04700	1.03627	1.04319	1.04319	1.01180	1.01180	1.51904	1.51904	2.88378											
36 Hexachloroethane	0.60925	0.60836	0.60573	0.61394	0.60427	0.59381	0.60636	0.94498	0.97005	1.01302	1.02370	1.04700	1.03627	1.04319	1.04757	1.04757	1.04757	1.04757	1.04757	1.04757	1.04757	1.04757	1.04757	1.04757	1.04757	1.04757	3.92615											
37 N-Nitrosodipropylamine	0.94498	0.97005	1.01302	1.02370	1.04700	1.03627	1.04319	1.04757	1.04757	1.04757	1.04757	1.04757	1.04757	1.04757	0.32855	0.32602	0.32543	0.33083	0.33379	0.33450	0.33450	0.33450	0.33116	0.33116	0.63679	0.63679	2.81109											
42 Nitrobenzene	0.32855	0.32602	0.32543	0.33083	0.33379	0.33450	0.33450	0.63431	0.62291	0.61160	0.63344	0.63648	0.66468	0.65411	0.18608	0.18833	0.18840	0.20021	0.20022	0.20702	0.20702	0.20702	0.19648	0.19648	0.19648	0.19648	4.42274											
44 Isophorone	0.63431	0.62291	0.61160	0.63344	0.63648	0.66468	0.65411	0.18608	0.18833	0.18840	0.20021	0.20022	0.20702	0.20702	0.20508	0.20508	0.20508	0.20508	0.20508	0.20508	0.20508	0.20508	0.20508	0.20508	0.20508	0.20508												
45 2-Nitrophenol	0.18608	0.18833	0.18840	0.20021	0.20022	0.20702	0.20702	0.20508	0.20508	0.20508	0.20508	0.20508	0.20508	0.20508																								

TestAmerica West Sacramento

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Compound	Level							Curve	Coefficients		RSD or R ²
	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	b		m1	m2	
46 2,4-Dimethylphenol	0.34459 0.35785	0.34167	0.34307	0.34912	0.34788	0.35962	AVRG	0.34911			2.02786
47 Bis(2-chloroethoxy)methane	0.41146 0.38545	0.37494	0.38565	0.38249	0.38500	0.39859	AVRG	0.38908			3.10601
49 2,4-Dichlorophenol	0.25434 0.27809	0.26318	0.27019	0.27037	0.27274	0.28180	AVRG	0.27010			3.39345
50 Benzoic Acid	0.16747 0.22180	0.16266	0.17423	0.19357	0.21024	0.22272	AVRG	0.19324			13.25202
51 1,1,2,4-Trichlorobenzene	0.29430 0.29091	0.28827	0.28475	0.29747	0.29189	0.29959	AVRG	0.29246			1.75989
52 Naphthalene	1.09939 1.10247	1.12462	1.07495	1.09325	1.09870	1.13821	AVRG	1.10443			1.89960
S4 4-Chloroaniline	0.40751 0.43867	0.42534	0.43264	0.43910	0.43781	0.44905	AVRG	0.43288			3.06843

TestAmerica West Sacramento

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Compound	Levels							Curve	b	Coefficients ml	m2	RSD or R ²
	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6						
57 Hexachlorobutadiene	0.14295 0.14473	0.13812 0.14428	0.14415 0.14385	0.14379 AVRG	0.14313 1.58904							
60 4-Chloro-3-Methylphenol	0.29329 0.30839	0.28866 0.29079	0.30972 0.30295	0.31766 AVRG	0.30164 3.64422							
63 2-Methylnaphthalene	0.68483 0.69217	0.68064 0.68080	0.70067 0.70560	0.71172 AVRG	0.69378 1.79740							
66 Hexachlorocyclopentadiene	0.26878 0.33186	0.27757 0.28896	0.29704 0.30236	0.32262 AVRG	0.28846 7.64489							
69 2,4,6-Trichlorophenol	0.31186 0.33638	0.29820 0.30223	0.31996 0.32305	0.34225 AVRG	0.31913 5.15654							
70 2,4,5-Trichlorophenol	0.30823 0.36135	0.32892 0.33796	0.36298 0.35236	0.35480 AVRG	0.34380 5.80662							
71 2-Chloronaphthalene	1.13629 1.15096	1.09411 1.10012	1.14181 1.11220	1.14447 AVRG	1.12571 2.05054							

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Compound	Levels							Curve	Coefficients		RSD or R ²
	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	b		m1	m2	
73 2-Nitroaniline	0.31576 0.36278	0.31759	0.33397	0.35205	0.34821	0.35794	AVRG	0.34119			5.57334
76 Dimethylphthalate	1.23388 1.30237	1.25191	1.29803	1.34568	1.31165	1.32891	AVRG	1.29606			3.09317
77 Acenaphthylene	1.86531 2.02968	1.91304	1.91818	2.01646	1.98204	1.99786	AVRG	1.96037			3.15026
79 2,6-Dinitrotoluene	0.28347 0.31106	0.27378	0.29890	0.31220	0.31294	0.32140	AVRG	0.30197			5.78579
80 3-Nitroaniline	0.35362 0.39603	0.34622	0.35978	0.40036	0.38674	0.39559	AVRG	0.37691			6.06861
81 Acenaphthene	1.25874 1.25463	1.22468	1.26733	1.27046	1.21141	1.24781	AVRG	1.24787			1.76776
82 2,4-Dinitrophenol	4083 265635	7537	23799	58864	110384	199007	QUAD	0.10620	5.32413	-0.71963	0.99812

TestAmerica West Sacramento

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Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	b	Coefficients ml	m2	\$RSD or R^2
160.0000 Level 7											
83 Dibenzofuran	1.57786	1.62124	1.65200	1.69530	1.65117	1.68450	AVRG		1.65612		2.77923
84 4-Nitrophenol	0.12712	0.14148	0.15316	0.16076	0.17130	0.16653	AVRG		0.15634		10.90920
86 2,4-Dinitrotoluene	0.34360	0.35989	0.38479	0.42154	0.41035	0.42305	AVRG		0.39633		8.61592
91 Fluorene	1.34567	1.33840	1.34292	1.39902	1.38899	1.37835	AVRG		1.37139		2.08557
92 Diethylphthalate	1.22240	1.29889	1.31549	1.37912	1.31873	1.37345	AVRG		1.32699		4.31889
93 4-Chlorophenyl-phenylether	0.54964	0.55917	0.56867	0.59265	0.56708	0.57695	AVRG		0.57019		2.42913
94 4-Nitroaniline	0.33346	0.33747	0.37329	0.38337	0.39216	0.39102	AVRG		0.37361		7.42395

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
 End Cal Date : 02-OCT-2010 15:00
 Quant Method : ISTD
 Target Version : 4.14
 Integrator : Falcon
 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000		10.0000		20.0000		50.0000		80.0000		120.0000		Curve	b	Coefficients		RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			ml	m2	
97 4,6-Dinitro-2-methylphenol	5780 324244	11282	32982	76137	134784	236477	LINR	0.10840	0.15581								0.99840
98 N-Nitrosodiphenylamine	0.57756 0.61968	0.59736	0.60533	0.60433	0.62172	0.61801	AVRG		0.60628								2.57715
100 Azobenzene	0.77527 0.77331	0.76965	0.77321	0.79522	0.80064	0.81892	AVRG		0.78660								2.37146
101 4-Bromophenyl-phenylether	0.18964 0.19815	0.18507	0.19281	0.19931	0.19607	0.20581	AVRG		0.19527								3.48752
108 Hexachlorobenzene	0.22958 0.21854	0.22054	0.20740	0.21605	0.21731	0.21704	AVRG		0.21807								3.00928
110 Pentachlorophenol	5849 293184	10551	30451	67882	126397	215360	LINR	0.09816	0.14122								0.99845
114 Phenanthrene	1.30347 1.26611	1.26007	1.25408	1.24163	1.24375	1.25610	AVRG		1.26074								1.64308

TestAmerica West Sacramento

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Compound	Concentration Levels							Curve	Coefficients		%RSD or R^2
	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	b		m1	m2	
115 Anthracene	1.25034 1.26958	1.21758	1.24206	1.25982	1.27529	1.30214	AVRG	1.25955			2.12888
118 Carbazole	1.13211 1.16455	1.12547	1.13694	1.14260	1.17067	1.18192	AVRG	1.15061			1.87826
120 Di-n-Butylphthalate	1.28492 1.48636	1.32287	1.36193	1.38164	1.41474	1.43847	AVRG	1.38442			4.97257
126 Fluoranthene	1.03840 1.17440	1.07611	1.17216	1.10520	1.15861	1.18294	AVRG	1.12969			5.01774
127 Benzidine	0.78175 0.86381	0.76431	0.75250	0.82658	0.82201	0.86375	AVRG	0.81067			5.60614
128 Pyrene	1.25794 1.25794	1.23783	1.17078	1.28684	1.25586	1.28463	AVRG	1.25025			3.12172
134 3,3'-dimethylbenzidine	0.65472 0.79926	0.64388	0.67361	0.70756	0.73630	0.79414	AVRG	0.71564			8.88815

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 Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000	10.0000	20.0000	50.0000	80.0000	120.0000	Curve	b	Coefficients		RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
136 Butylbenzylphthalate	0.64984 0.64920	0.60187	0.59142	0.62586	0.61590	0.65233	AVRG		0.62663		3.95034
138 Benzo(e)Anthracene	1.10169 1.10920	0.99731	1.03245	1.04489	1.06449	1.10831	AVRG		1.06548		4.05847
139 Chrysene	1.05284 1.12246	1.10175	1.06320	1.09705	1.06985	1.12241	AVRG		1.08994		2.59426
140 3,3'-Dichlorobenzidine	0.39148 0.42415	0.37695	0.39090	0.39906	0.40353	0.42717	AVRG		0.40189		4.53885
141 bis(2-ethylhexyl)Phthalate	0.91826 0.88354	0.80897	0.84032	0.85193	0.84371	0.89539	AVRG		0.86316		4.34816
142 Di-n-octylphthalate	1.34838 1.50770	1.23185	1.35627	1.34433	1.39356	1.47616	AVRG		1.37975		6.65055
144 Benzo(b)fluoranthene	0.81012 1.02572	0.81077	0.82747	0.99930	0.95373	0.91132	AVRG		0.90549		10.05836

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Compound	Level							Curve	Coefficients		%RSD or R^2
	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	b		m2		
145 Benzo(k)fluoranthene	1.22939 1.10447	1.16528	1.20022	1.09895	1.14223	1.19597	AVRG	1.16236		4.27893	
147 Benzo(e)pyrene	0.90394 0.97185	0.92739	0.90757	0.95977	0.96997	0.96929	AVRG	0.94425		3.22007	
148 Benzo(a)pyrene	0.98300 1.06523	0.97686	0.99402	1.02789	1.07610	1.06275	AVRG	1.03655		4.11137	
151 Indeno(1,2,3-cd)pyrene	0.73763 0.97995	0.73267	0.73671	0.84698	0.84057	0.93730	AVRG	0.83029		12.15083	
152 Dibenzo(a,h)anthracene	0.88099 1.00392	0.84384	0.87256	0.92240	0.95990	1.00944	AVRG	0.92758		7.07091	
153 Benzo(g,h,i)perylene	0.96025 1.04026	0.98457	0.97380	0.99974	1.01731	1.05397	AVRG	1.00427		3.45188	
M 162 benzo b,k Fluoranthene Totals	2.03951 2.13019	1.97605	2.02770	2.09825	2.09596	2.10729	AVRG	2.06785		2.64859	

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Compound	10.0000							20.0000							50.0000							80.0000							120.0000							Curve	b	ml	m2	%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7					
\$ 7 2-Fluorophenol	1.44503	1.30436	1.38373	1.44170	1.43535	1.42292	AVRG																										1.40992						3.61494	
\$ 8 Phenol-d5	1.72227	1.67335	1.74151	1.79006	1.80863	1.83864	AVRG																									1.77296						3.52001		
\$ 9 2-Chlorophenol-d4	1.57804	1.55530	1.53916	1.59414	1.57486	1.57967	AVRG																									1.55698						2.52388		
\$ 10 1,2-Dichlorobenzene-d4	0.95776	0.98111	0.99827	0.98914	0.99518	0.98547	AVRG																									0.98513						1.35559		
\$ 11 Nitrobenzene-d5	0.33028	0.34256	0.33065	0.34105	0.33606	0.35127	AVRG																									0.33879						2.16217		
\$ 12 2-Fluorobiphenyl	1.28499	1.26007	1.27668	1.34206	1.25854	1.29723	AVRG																									1.28852						2.22622		
\$ 13 2,4,6-Tribromophenol	0.15034	0.16527	0.17466	0.17926	0.17825	0.18501	AVRG																									0.17381						7.05197		

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 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Last Edit : 03-Oct-2010 11:09 onishim

Compound	Levels							Curve	b	Coefficients ml	m2	RSD or R ²
	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	120.0000 Level 6					
160.0000 Level 7												
\$ 14 Terphenyl-d14	0.78508	0.78616	0.73917	0.80441	0.78047	0.81889	AVRG		0.78789			3.21384
	0.80107											

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 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Last Edit : 03-Oct-2010 11:09 onishim

Curve	Formula	Units
Averaged	Ant = Resp/ml	Response
Linear	Ant = b + Resp/ml	Response
Quad	Ant = b + ml*Rep + m2*Rep^2	Response

Signal Calibration Report

Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit: 04-Oct-2010 09:00 onishim
Compound : 82 2,4-Dinitrophenol
Mass: 184.00
Istd Compound: * 3 Acenaphthene-d10

Calibration Formulas

Calibration Mode: by Response

Curve Type: Averaged
Origin: None
Amt = Rsp/ml
m1 = 0.15933171100000
RSD: 26.349

Initial Calibration Table

Lvl	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
1	7.572	5.00000	4083	7.468	40.000	321839	0.10149173965865
2	7.572	10.00000	7537	7.468	40.000	272639	0.11057845722732
3	7.572	20.00000	23799	7.468	40.000	328608	0.14484735612036
4	7.582	50.00000	58864	7.468	40.000	282538	0.16667209366528
5	7.572	80.00000	110384	7.468	40.000	300315	0.18378036395118
6	7.582	120.00000	199007	7.468	40.000	322596	0.20563077864160
7	7.582	160.00000	265655	7.478	40.000	328259	0.20232118540543

Lvl	Sublist	Calibration File
1	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002A
2	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002B
3	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002C
4	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002D
5	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002E
6	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002F
7	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002G

Continuing Calibration Table

Ind	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
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1	7.582	50.000	50142	7.468	40.000	236662	0.16949742670982
2	7.572	50.000	58864	7.468	40.000	282538	0.16667209366528
3	7.582	50.000	56608	7.468	40.000	239304	0.18924213552636
4	7.589	50.000	98553	7.485	40.000	440855	0.17883975456783
5	7.599	50.000	81881	7.485	40.000	371846	0.17616109894957
6	7.599	50.000	55069	7.495	40.000	283828	0.15521794889863
7	7.599	50.000	52896	7.496	40.000	256342	0.16507946415336
8	7.599	50.000	50586	7.495	40.000	224545	0.18022578993075
9	7.610	50.000	31559	7.506	40.000	165705	0.15236233064784
10	7.610	50.000	50181	7.506	40.000	226619	0.17714666466625
11	7.610	50.000	44092	7.506	40.000	201923	0.17468837130986
12	7.620	50.000	81056	7.516	40.000	329174	0.19699247206645
13	7.620	50.000	93793	7.516	40.000	378407	0.19829020076267
14	7.630	50.000	68549	7.516	40.000	271629	0.20189007801082
15	7.630	50.000	54835	7.516	40.000	219680	0.19969045884924
16	7.630	50.000	67628	7.527	40.000	267569	0.20219980648508
17	7.630	50.000	94376	7.527	40.000	349016	0.21632475301992
18	7.635	50.000	51607	7.532	40.000	209252	0.19730086211840
19	7.635	50.000	62563	7.531	40.000	260404	0.19220288474831
20	7.646	50.000	80386	7.542	40.000	334425	0.19229662854153
21	7.645	50.000	25473	7.542	40.000	302573	0.06735035842590
22	7.645	50.000	17649	7.542	40.000	223404	0.06320030080034
23	7.646	50.000	68382	7.542	40.000	292756	0.18686286967393
24	7.656	50.000	97952	7.552	40.000	390143	0.20085353319168
25	7.656	50.000	63647	7.552	40.000	289221	0.17605084001507
26	7.666	50.000	79703	7.563	40.000	331752	0.19219899201813
27	7.677	50.000	59624	7.573	40.000	245725	0.19411618679418
28	7.687	50.000	60561	7.583	40.000	237909	0.20364425053277
29	7.687	50.000	42226	7.583	40.000	172923	0.19535168832370
30	7.687	50.000	51997	7.583	40.000	208221	0.19977619932668
31	7.697	50.000	51275	7.594	40.000	202822	0.20224630464151
32	7.697	50.000	65531	7.594	40.000	250339	0.20941523294413
33	7.760	50.000	76785	7.656	40.000	344524	0.17829817371214

34	7.759	50.000	68725	7.656	40.000	303207	0.18132826748723
35	7.770	50.000	66249	7.666	40.000	308864	0.17159397016162
36	7.780	50.000	63983	7.677	40.000	288883	0.17718730420274
37	7.780	50.000	61267	7.677	40.000	292290	0.16768825481542
38	7.791	50.000	56069	7.687	40.000	238922	0.18773993186061
39	7.791	50.000	50573	7.687	40.000	243613	0.16607652300986
40	7.791	50.000	55930	7.687	40.000	256301	0.17457598682799
41	7.791	50.000	55930	7.687	40.000	256301	0.17457598682799
42	7.791	50.000	43995	7.687	40.000	215682	0.16318468856928
43	7.801	50.000	55663	7.697	40.000	269061	0.16550299002828
44	7.801	50.000	52406	7.697	40.000	242418	0.17294425331452
45	7.801	50.000	49689	7.697	40.000	246748	0.16110039392417
46	7.801	50.000	83728	7.697	40.000	361851	0.18511044601231
47	7.801	50.000	69470	7.697	40.000	316865	0.17539330629763
48	7.811	50.000	98764	7.708	40.000	448001	0.17636389204488
49	7.811	50.000	65199	7.708	40.000	319060	0.16347771579013
50	7.811	50.000	63819	7.708	40.000	326041	0.15659134894078
51	7.811	50.000	69420	7.708	40.000	325539	0.17059707131864
52	7.822	50.000	66513	7.718	40.000	295770	0.17990465564459
53	7.822	50.000	58901	7.718	40.000	274779	0.17148617616339
54	7.822	50.000	58321	7.718	40.000	264752	0.17622831933281
55	7.816	50.000	90734	7.713	40.000	414154	0.17526620532459
56	7.858	50.000	49564	7.754	40.000	260934	0.15195873285965
57	7.858	50.000	63475	7.754	40.000	318667	0.15935129774969
58	7.889	50.000	58884	7.785	40.000	318462	0.14792094504211
59	7.889	50.000	52456	7.796	40.000	304639	0.13775255302177
60	7.889	50.000	44855	7.796	40.000	283970	0.12636546114026
61	7.889	50.000	40711	7.785	40.000	264293	0.12322990014870
Avg	7.719	50.000	61661	7.615	40.000	4333	0.17364233986573

Ind	Sublist	Calibration File
1	1_8270STD	\\sv5\c\chem\sv5.i\100210.B\HSL1002H

2	1_8270STD	\\sv5\C\chem\sv5.i\100210.B\HSL1002D	
3	1_8270STD	\\sv5\C\chem\sv5.i\100210.B\QC001	
4	1_8270STD	\\sv5\C\chem\sv5.i\100110.B\HSL1001	
5	1_8270STD	\\sv5\C\chem\sv5.i\093010.B\HSL0930	
6	1_8270STD	\\sv5\C\chem\sv5.i\092910A.B\HSL0929A	
7	1_8270STD	\\sv5\C\chem\sv5.i\092910.B\HSL0929	
8	1_8270STD	\\sv5\C\chem\sv5.i\092910.B\QC001	
9	1_8270STD	\\sv5\C\chem\sv5.i\092810A.B\HSL0928	
10	1_8270STD	\\sv5\C\chem\sv5.i\092810.B\HSL0928	
11	1_8270STD	\\sv5\C\chem\sv5.i\092710.B\HSL0927	
12	1_8270STD	\\sv5\C\chem\sv5.i\092510.B\QC001	
13	1_8270STD	\\sv5\C\chem\sv5.i\092510.B\HSL0925	
14	1_8270STD	\\sv5\C\chem\sv5.i\092410.B\QC001	
15	1_8270STD	\\sv5\C\chem\sv5.i\092410.B\HSL0924	
16	1_8270STD	\\sv5\C\chem\sv5.i\092310A.B\HSL0923A	
17	1_8270STD	\\sv5\C\chem\sv5.i\092310A.B\QC001	
18	1_8270STD	\\sv5\C\chem\sv5.i\092310.B\QC001	
19	1_8270STD	\\sv5\C\chem\sv5.i\092310.B\HSL0923	
20	1_8270STD	\\sv5\C\chem\sv5.i\092210.B\HSL0922a	
21	1_8270STD	\\sv5\C\chem\sv5.i\092210.B\HSL0922	
22	1_8270STD	\\sv5\C\chem\sv5.i\092210.B\QC001	
23	1_8270STD	\\sv5\C\chem\sv5.i\092110.B\HSL0921	
24	1_8270STD	\\sv5\C\chem\sv5.i\092010.B\QC001	
25	1_8270STD	\\sv5\C\chem\sv5.i\092010.B\HSL0920	
26	1_8270STD	\\sv5\C\chem\sv5.i\091910a.B\HSL0919a	
27	1_8270STD	\\sv5\C\chem\sv5.i\091910.B\HSL0919	
28	1_8270STD	\\sv5\C\chem\sv5.i\091910.B\QC001	
29	1_8270STD	\\sv5\C\chem\sv5.i\091710.B\HSL0917	
30	1_8270STD	\\sv5\C\chem\sv5.i\091710.B\QC001	
31	1_8270STD	\\sv5\C\chem\sv5.i\091510b.B\HSL0915b	
32	1_8270STD	\\sv5\C\chem\sv5.i\091510b.B\QC003	
33	1_8270STD	\\sv5\C\chem\sv5.i\091010.B\HSL0910	
34	1_8270STD	\\sv5\C\chem\sv5.i\091010.B\QC001	

35 1_8270STD	\\sv5\c\chem\sv5.i\090910a.B\HSL0909a	
+-----+		
36 1_8270STD	\\SV5\C\chem\sv5.i\090910.B\HSL0909	
+-----+		
37 1_8270STD	\\SV5\C\chem\sv5.i\090910.B\QC001	
+-----+		
38 1_8270STD	\\SV5\C\chem\sv5.i\090810.B\HSL0908	
+-----+		
39 1_8270STD	\\SV5\C\chem\sv5.i\090810.B\Primer	
+-----+		
40 1_8270STD	\\sv5\c\chem\sv5.i\090710.B\HSL0907	
+-----+		
41 1_8270STD	\\SV5\C\chem\sv5.i\090710.B\HSL0907	
+-----+		
42 1_8270STD	\\sv5\c\chem\sv5.i\090110.B\HSL0901	
+-----+		
43 1_8270STD	\\SV5\C\chem\sv5.i\083110.B\HSL0831	
+-----+		
44 1_8270STD	\\sv5\c\chem\sv5.i\083010.B\QC001	
+-----+		
45 1_8270STD	\\sv5\c\chem\sv5.i\083010.B\HSL0830	
+-----+		
46 1_8270STD	\\SV5\C\chem\sv5.i\082710.B\QC001	
+-----+		
47 1_8270STD	\\sv5\c\chem\sv5.i\082710.B\HSL0827	
+-----+		
48 1_8270STD	\\SV5\C\chem\sv5.i\082610.B\HSL0826	
+-----+		
49 1_8270STD	\\SV5\C\chem\sv5.i\082610.B\QC001	
+-----+		
50 1_8270STD	\\SV5\C\chem\sv5.i\082510.B\QC001	
+-----+		
51 1_8270STD	\\SV5\C\chem\sv5.i\082510.B\HSL0825	
+-----+		
52 1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823	
+-----+		
53 1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823H	
+-----+		
54 1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823D	
+-----+		
55 1_8270STD	\\SV5\C\chem\sv5.i\082310A.B\HSL0823A	
+-----+		
56 1_8270STD	\\SV5\C\chem\sv5.i\082010.B\HSL0820	
+-----+		
57 1_8270STD	\\sv5\c\chem\sv5.i\082010.B\QC001	
+-----+		
58 1_8270STD	\\sv5\c\chem\sv5.i\081810A.B\HSL0818A	
+-----+		
59 1_8270STD	\\sv5\c\chem\sv5.i\081810.B\HSL0818	
+-----+		
60 1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817D	
+-----+		
61 1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817H	
+-----+		

Signal Calibration Report

Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit: 04-Oct-2010 09:00 onishim
Compound : 110 Pentachlorophenol
Mass: 266.00
Istd Compound: * 4 Phenanthrene-d10

Calibration Formulas

Calibration Mode: by Response

Curve Type: Averaged
Origin: None
Amt = Rsp/ml
ml = 0.11930897400000
RSD: 15.221

Initial Calibration Table

Lvl	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
1	9.240	5.00000	5849	9.406	40.000	496356	0.09427104739340
2	9.240	10.00000	10551	9.406	40.000	428440	0.09850620857063
3	9.240	20.00000	30451	9.406	40.000	525834	0.11581982146457
4	9.240	50.00000	67882	9.406	40.000	462722	0.11736118014704
5	9.240	80.00000	126397	9.406	40.000	477777	0.13227614556582
6	9.240	120.00000	215360	9.406	40.000	515607	0.13922748656761
7	9.250	160.00000	293184	9.406	40.000	532284	0.13770092657303

Lvl	Sublist	Calibration File
1	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002A
2	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002B
3	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002C
4	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002D
5	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002E
6	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002F
7	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002G

Continuing Calibration Table

Ind	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
-----	----	--------	----------	----	-------------	---------------	-----------------

1	9.240	50.000	62906	9.406	40.000	380734	0.13217837125132
2	9.240	50.000	67882	9.406	40.000	462722	0.11736118014704
3	9.257	50.000	111129	9.423	40.000	692643	0.12835356742216
4	9.257	50.000	88353	9.423	40.000	569627	0.12408541027725
5	9.267	50.000	65176	9.433	40.000	444572	0.11728313973889
6	9.268	50.000	60910	9.433	40.000	402268	0.12113317489833
7	9.278	50.000	51724	9.433	40.000	342388	0.12085470285174
8	9.278	50.000	37406	9.444	40.000	257561	0.11618529202791
9	9.278	50.000	56153	9.444	40.000	367144	0.12235635064171
10	9.278	50.000	49979	9.444	40.000	315244	0.12643148960929
11	9.299	50.000	89278	9.465	40.000	533339	0.13391557714699
12	9.288	50.000	102299	9.454	40.000	604130	0.13546620760432
13	9.299	50.000	74987	9.464	40.000	434948	0.13773968382427
14	9.299	50.000	61171	9.465	40.000	350214	0.13973399121680
15	9.309	50.000	72641	9.475	40.000	436116	0.13325078648800
16	9.309	50.000	99213	9.475	40.000	545533	0.14549147347640
17	9.314	50.000	56050	9.480	40.000	341600	0.13126463700234
18	9.314	50.000	67187	9.480	40.000	410196	0.13103394474836
19	9.324	50.000	90596	9.490	40.000	530756	0.13655389670583
20	9.324	50.000	32043	9.490	40.000	484990	0.05285552279428
21	9.324	50.000	22238	9.490	40.000	346959	0.05127522272084
22	9.324	50.000	81528	9.490	40.000	462218	0.14110744280837
23	9.335	50.000	103580	9.511	40.000	589949	0.14045959905009
24	9.335	50.000	72155	9.501	40.000	446339	0.12932770831140
25	9.355	50.000	91662	9.521	40.000	517550	0.14168602067433
26	9.366	50.000	67431	9.532	40.000	396847	0.13593349578049
27	9.366	50.000	71407	9.542	40.000	407176	0.14029707055426
28	9.366	50.000	49946	9.532	40.000	298933	0.13366473423811
29	9.366	50.000	58621	9.542	40.000	335623	0.13973059057335
30	9.386	50.000	53858	9.552	40.000	329730	0.13067176174446
31	9.387	50.000	69993	9.552	40.000	399673	0.14010053218506
32	9.459	50.000	87217	9.625	40.000	539077	0.12943160253544
33	9.459	50.000	77540	9.625	40.000	458679	0.13524054949104

34	9.470	50.000	79232	9.646	40.000	482971	0.13124100618878
35	9.480	50.000	75075	9.656	40.000	465501	0.12902227922174
36	9.480	50.000	69872	9.656	40.000	435300	0.12841167011257
37	9.490	50.000	60626	9.656	40.000	378611	0.12810193047746
38	9.490	50.000	60476	9.666	40.000	383533	0.12614507747704
39	9.490	50.000	68275	9.656	40.000	401081	0.13618196823086
40	9.490	50.000	68275	9.656	40.000	401081	0.13618196823086
41	9.490	50.000	51783	9.666	40.000	337799	0.12263624226241
42	9.501	50.000	70205	9.677	40.000	425699	0.13193359627342
43	9.511	50.000	60939	9.677	40.000	381025	0.12794751000591
44	9.501	50.000	61157	9.677	40.000	380328	0.12864054184809
45	9.500	50.000	98266	9.676	40.000	586969	0.13393007126441
46	9.500	50.000	82460	9.677	40.000	500580	0.13178313156738
47	9.511	50.000	117721	9.687	40.000	687233	0.13703765680635
48	9.511	50.000	77582	9.687	40.000	485585	0.12781613929590
49	9.511	50.000	77449	9.687	40.000	498103	0.12439033693834
50	9.511	50.000	85917	9.687	40.000	500311	0.13738174855240
51	9.521	50.000	80098	9.697	40.000	460974	0.13900653832971
52	9.521	50.000	71155	9.697	40.000	428920	0.13271472535671
53	9.521	50.000	72603	9.697	40.000	415811	0.13968461632809
54	9.526	50.000	108254	9.702	40.000	650674	0.13309768025155
55	9.568	50.000	64139	9.744	40.000	411802	0.12460162893818
56	9.578	50.000	85309	9.754	40.000	511730	0.13336564203779
57	9.599	50.000	78595	9.785	40.000	486034	0.12936543533991
58	9.609	50.000	72755	9.785	40.000	467607	0.12447204597023
59	9.609	50.000	67958	9.785	40.000	451801	0.12033262431911
60	9.609	50.000	63635	9.785	40.000	418038	0.12177840292031
Avg	9.411	50.000	72233	9.581	40.000	6967	0.12849428241810

Ind	Sublist	Calibration File
1	1_8270STD	\\sv5\c\chem\sv5.i\100210.B\HSL1002H
2	1_8270STD	\\sv5\c\chem\sv5.i\100210.B\HSL1002D

3	1_8270STD	\\SV5\C\chem\sv5.i\100110.B\HSL1001
4	1_8270STD	\\SV5\C\chem\sv5.i\093010.B\HSL0930
5	1_8270STD	\\sv5\c\chem\sv5.i\092910A.E\HSL0929A
6	1_8270STD	\\SV5\C\chem\sv5.i\092910.B\HSL0929
7	1_8270STD	\\SV5\C\chem\sv5.i\092910.B\QC001
8	2_8270STD	\\SV5\C\chem\sv5.i\092810A.B\HSL0928
9	1_8270STD	\\SV5\C\chem\sv5.i\092810.B\HSL0928
10	2_8270STD	\\SV5\C\chem\sv5.i\092710.B\HSL0927
11	1_8270STD	\\SV5\C\chem\sv5.i\092510.B\QC001
12	1_8270STD	\\sv5\c\chem\sv5.i\092510.B\HSL0925
13	1_8270STD	\\SV5\C\chem\sv5.i\092410.B\QC001
14	1_8270STD	\\SV5\C\chem\sv5.i\092410.B\HSL0924
15	1_8270STD	\\SV5\C\chem\sv5.i\092310A.B\HSL0923A
16	2_8270STD	\\SV5\C\chem\sv5.i\092310A.B\QC001
17	1_8270STD	\\SV5\C\chem\sv5.i\092310.B\QC001
18	2_8270STD	\\SV5\C\chem\sv5.i\092310.B\HSL0923
19	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\HSL0922a
20	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\HSL0922
21	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\QC001
22	1_8270STD	\\SV5\C\chem\sv5.i\092110.B\HSL0921
23	1_8270STD	\\SV5\C\chem\sv5.i\092010.B\QC001
24	1_8270STD	\\SV5\C\chem\sv5.i\092010.B\HSL0920
25	1_8270STD	\\SV5\C\chem\sv5.i\091910a.B\HSL0919a
26	1_8270STD	\\SV5\C\chem\sv5.i\091910.B\HSL0919
27	1_8270STD	\\SV5\C\chem\sv5.i\091910.B\QC001
28	1_8270STD	\\SV5\C\chem\sv5.i\091710.B\HSL0917
29	1_8270STD	\\SV5\C\chem\sv5.i\091710.B\QC001
30	1_8270STD	\\SV5\C\chem\sv5.i\091510b.B\HSL0915b
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32	1_8270STD	\\sv5\c\chem\sv5.i\091010.B\HSL0910
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34	1_8270STD	\\sv5\c\chem\sv5.i\090910a.B\HSL0909a
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+-----+	+-----+	+-----+
40 1_8270STD	\\SV5\C\chem\sv5.i\090710.B\HSL0907	
+-----+	+-----+	+-----+
41 1_8270STD	\\sv5\c\chem\sv5.i\090110.B\HSL0901	
+-----+	+-----+	+-----+
42 1_8270STD	\\SV5\C\chem\sv5.i\083110.B\HSL0831	
+-----+	+-----+	+-----+
43 1_8270STD	\\sv5\c\chem\sv5.i\083010.B\QC001	
+-----+	+-----+	+-----+
44 1_8270STD	\\sv5\c\chem\sv5.i\083010.B\HSL0830	
+-----+	+-----+	+-----+
45 1_8270STD	\\SV5\C\chem\sv5.i\082710.B\QC001	
+-----+	+-----+	+-----+
46 1_8270STD	\\sv5\c\chem\sv5.i\082710.B\HSL0827	
+-----+	+-----+	+-----+
47 1_8270STD	\\SV5\C\chem\sv5.i\082610.B\HSL0826	
+-----+	+-----+	+-----+
48 1_8270STD	\\SV5\C\chem\sv5.i\082610.B\QC001	
+-----+	+-----+	+-----+
49 1_8270STD	\\SV5\C\chem\sv5.i\082510.B\QC001	
+-----+	+-----+	+-----+
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+-----+	+-----+	+-----+
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+-----+	+-----+	+-----+
52 1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823H	
+-----+	+-----+	+-----+
53 1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823D	
+-----+	+-----+	+-----+
54 1_8270STD	\\SV5\C\chem\sv5.i\082310A.B\HSL0823A	
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+-----+	+-----+	+-----+
57 1_8270STD	\\sv5\c\chem\sv5.i\081810A.B\HSL0818A	
+-----+	+-----+	+-----+
58 1_8270STD	\\sv5\c\chem\sv5.i\081810.B\HSL0818	
+-----+	+-----+	+-----+
59 1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817D	
+-----+	+-----+	+-----+
60 1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817H	
+-----+	+-----+	+-----+

TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.6825896	5.000	PASS
Benzidine	0.6244503	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	189907	8.9	20.5	PASS

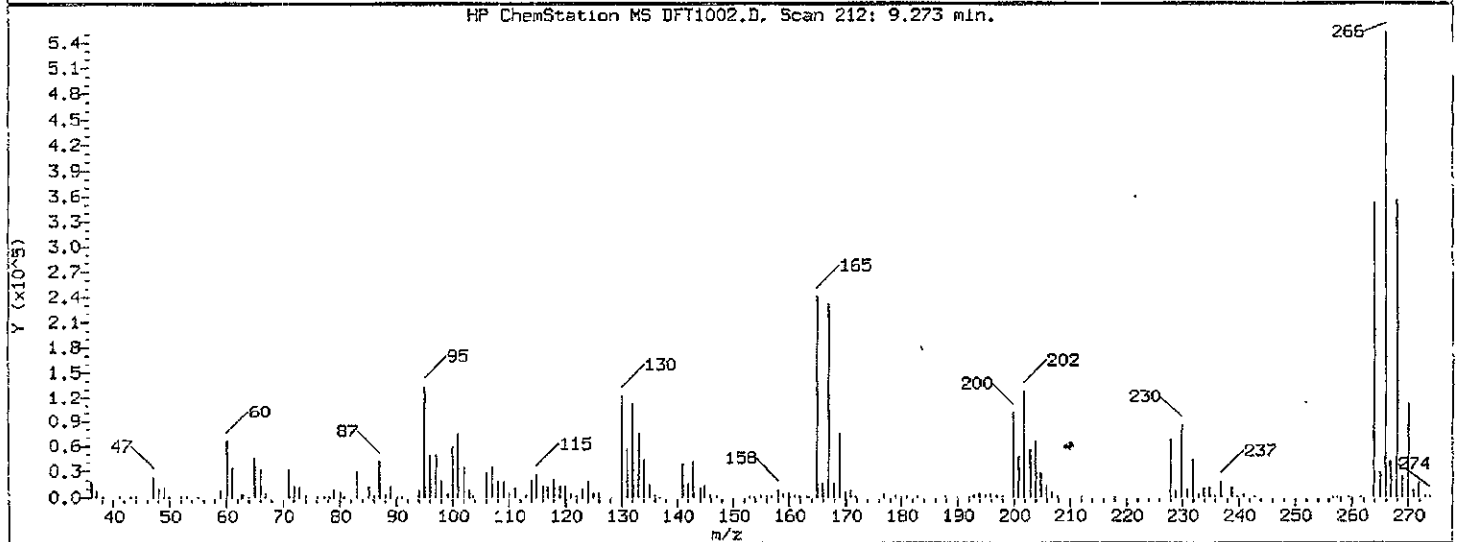
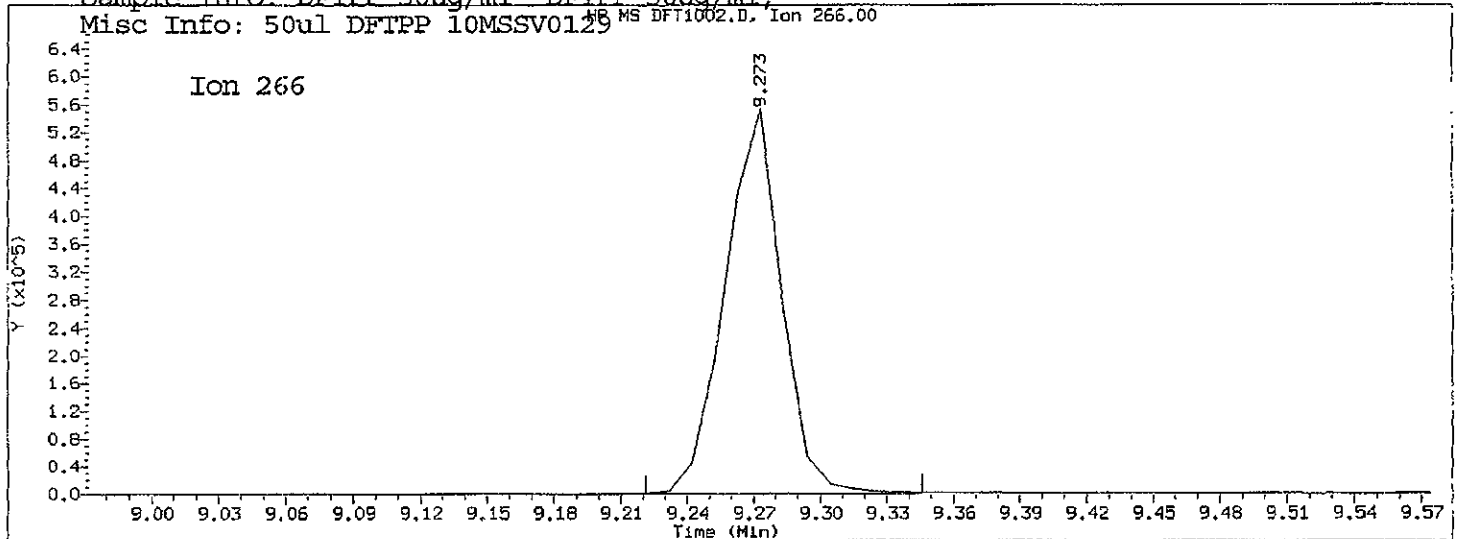
Sample //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D

 *** PASSED ***

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Pentachlorophenol

=====
Exp. RT = 9.387
Found RT = 9.273

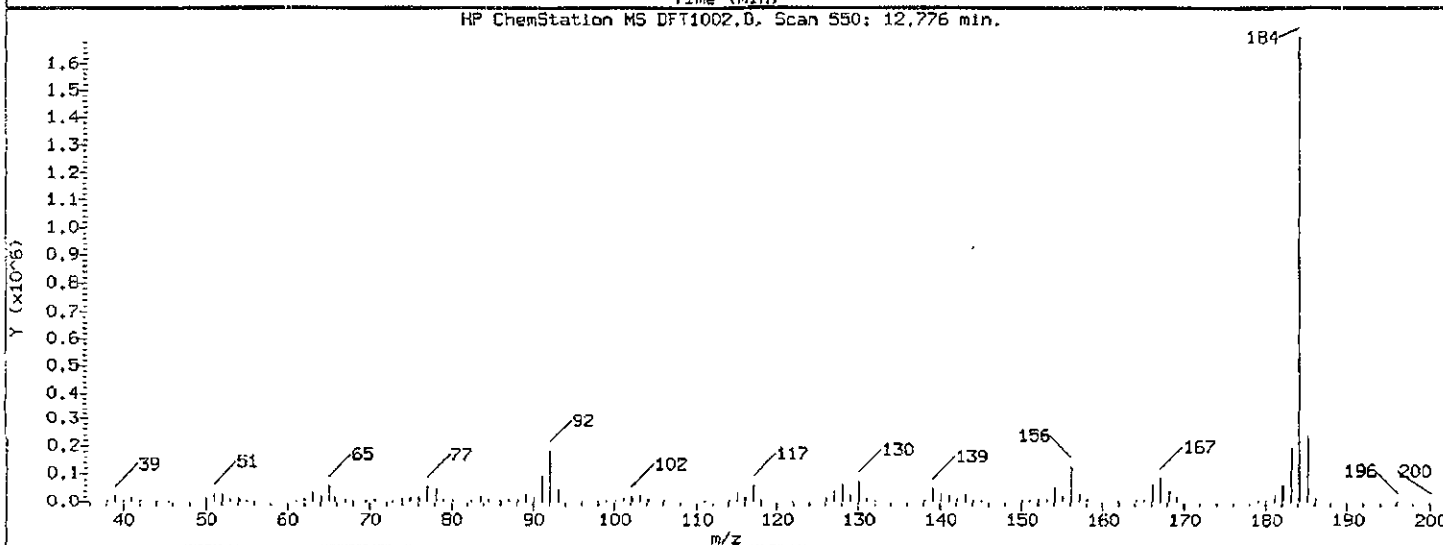
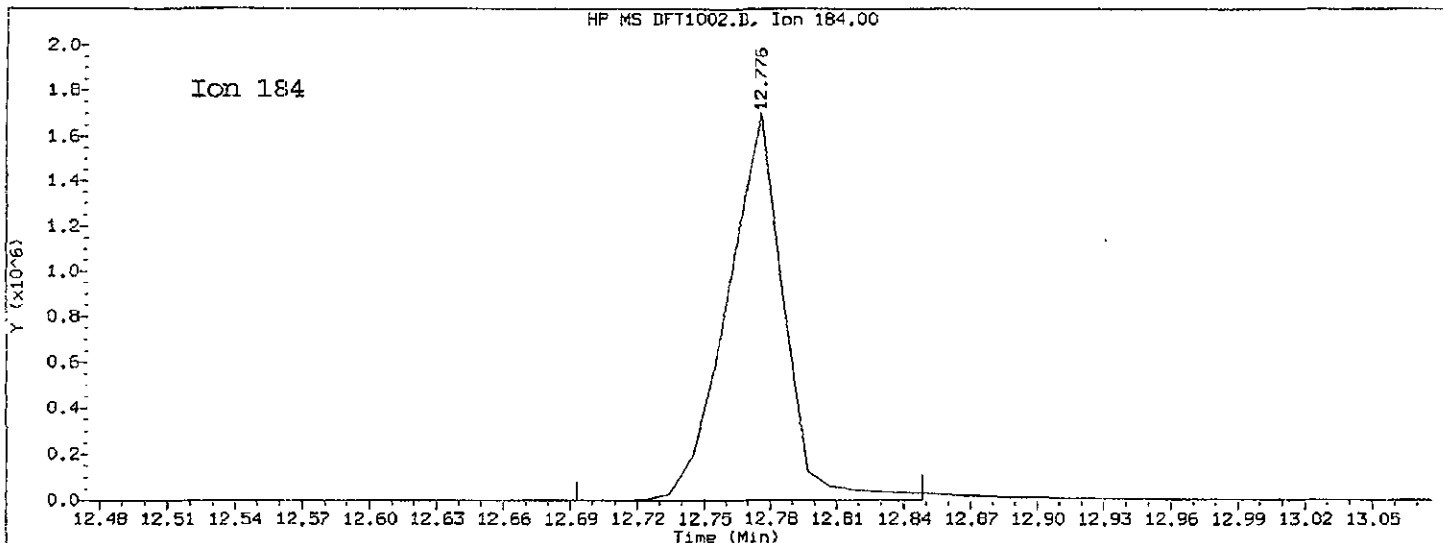
Time1 = 9.243001 Time2 = 9.273333 Time3 = 9.294038
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.683 Maximum Allowed = 5.0

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine

=====
Exp. RT = 12.911
Found RT = 12.776

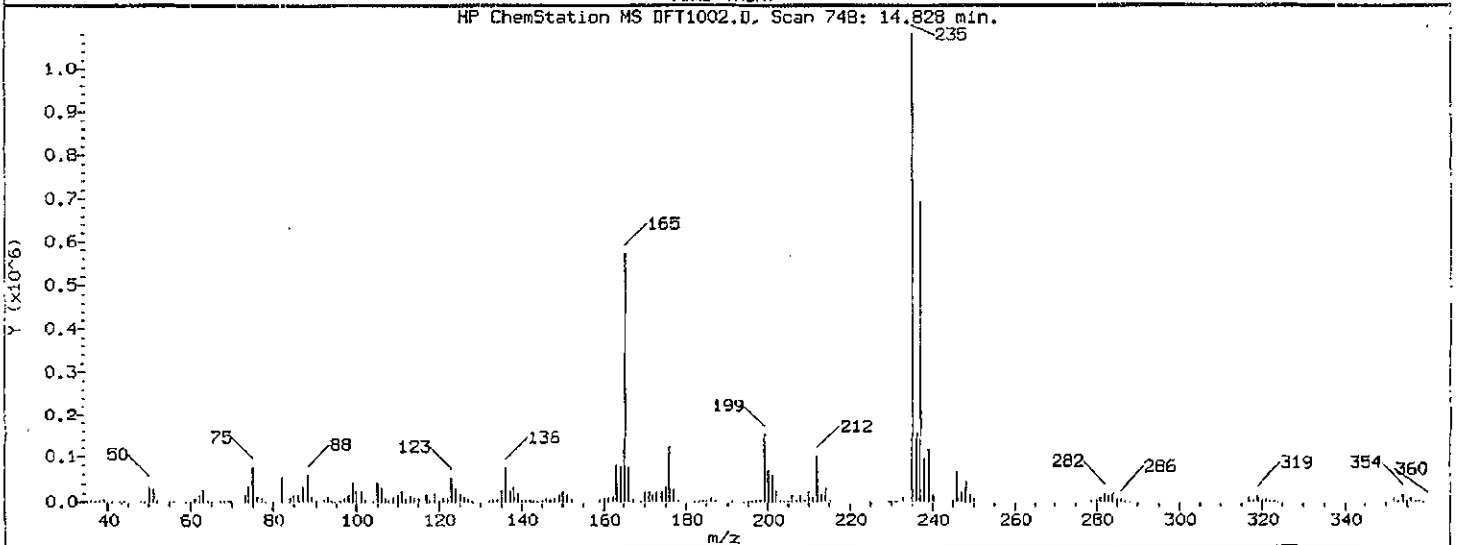
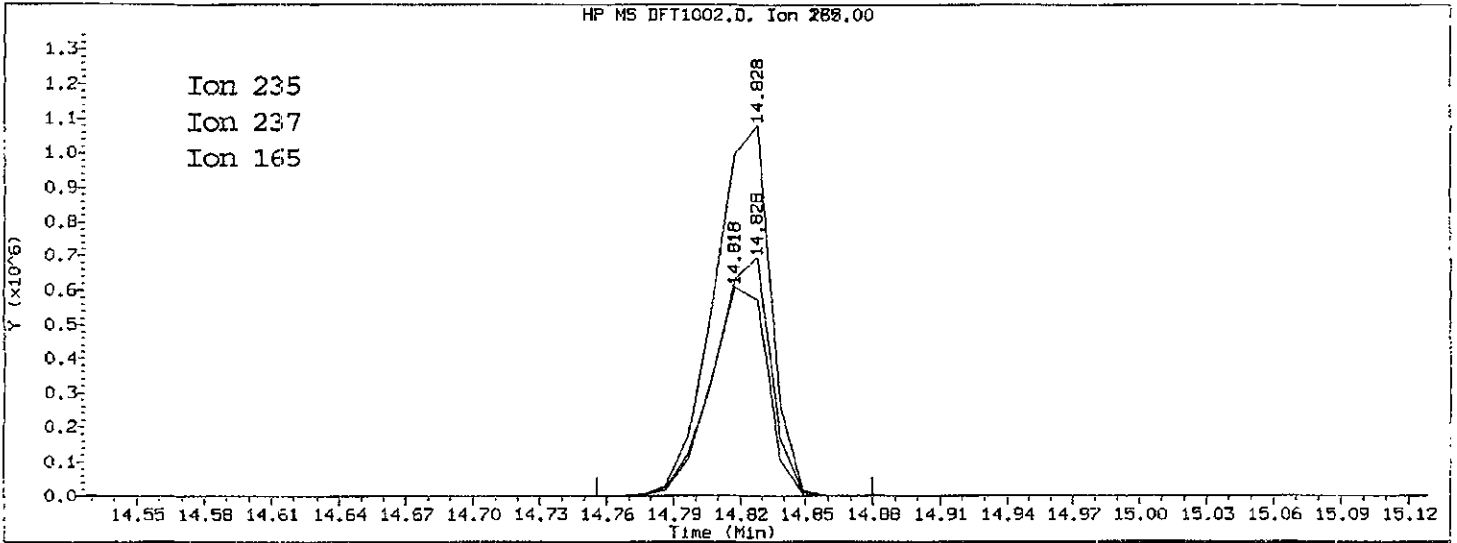
Time1 = 12.74377 Time2 = 12.77603 Time3 = 12.79618
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.624 Maximum Allowed = 3.0

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



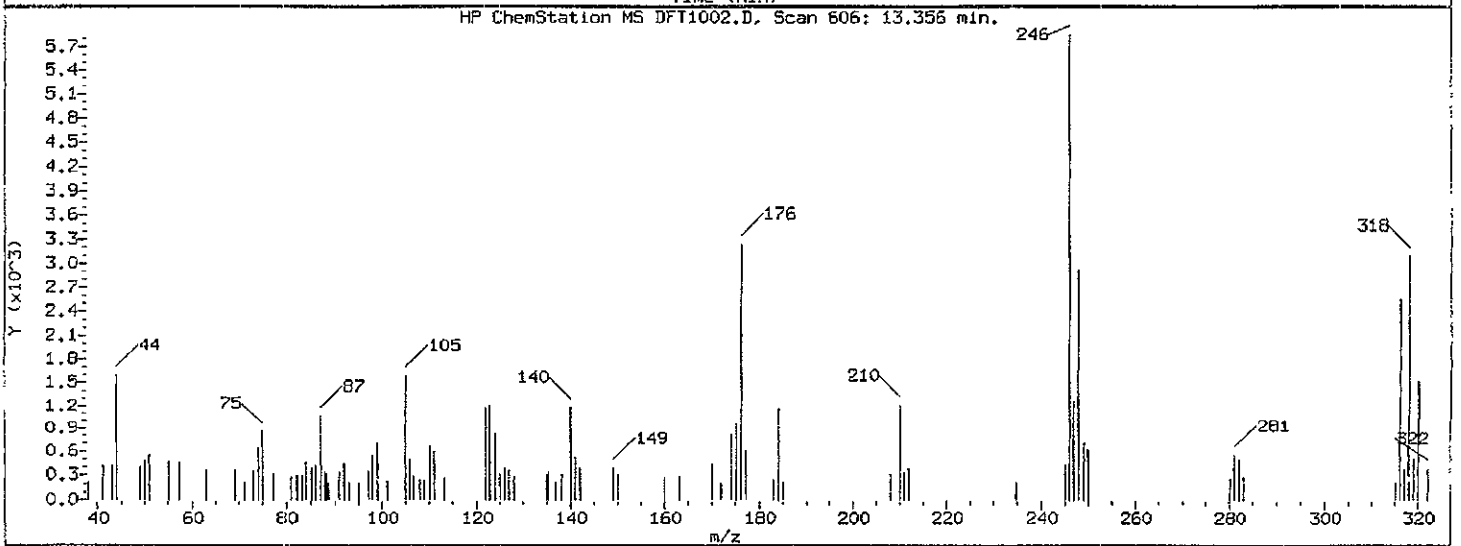
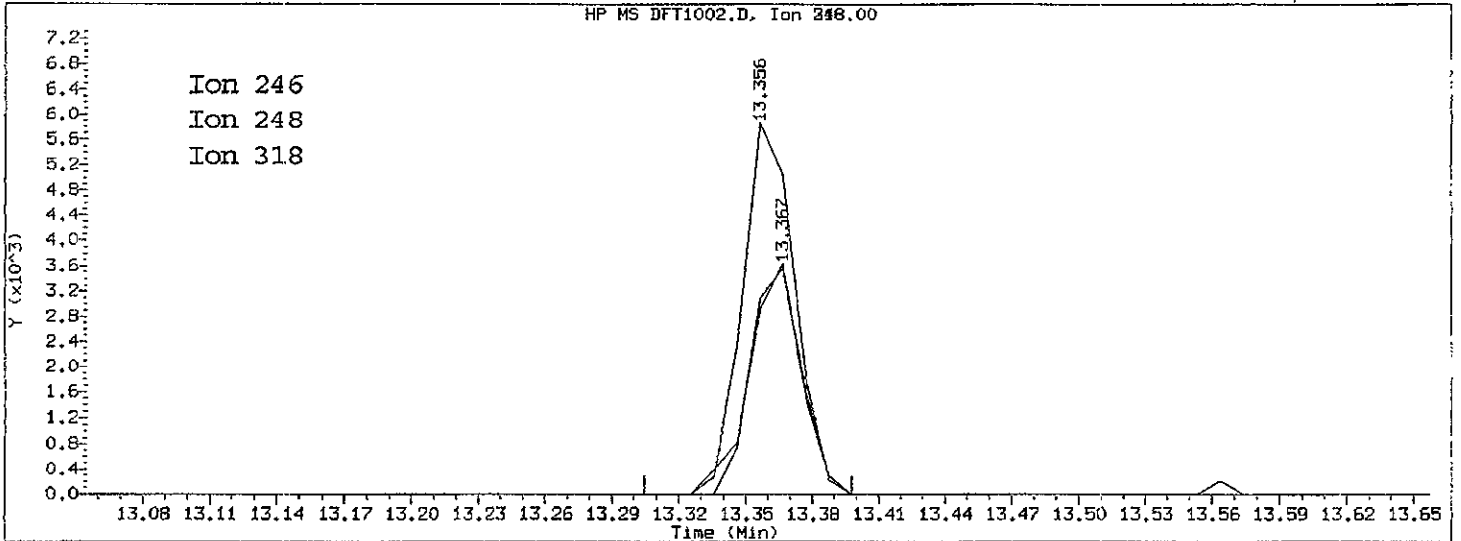
4,4'-DDT

=====
Exp. RT = 14.942
Found RT = 14.828

Mass	Area	Ratio
235	1937042	100.00
237	1226081	63.30
165	1111108	57.36

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



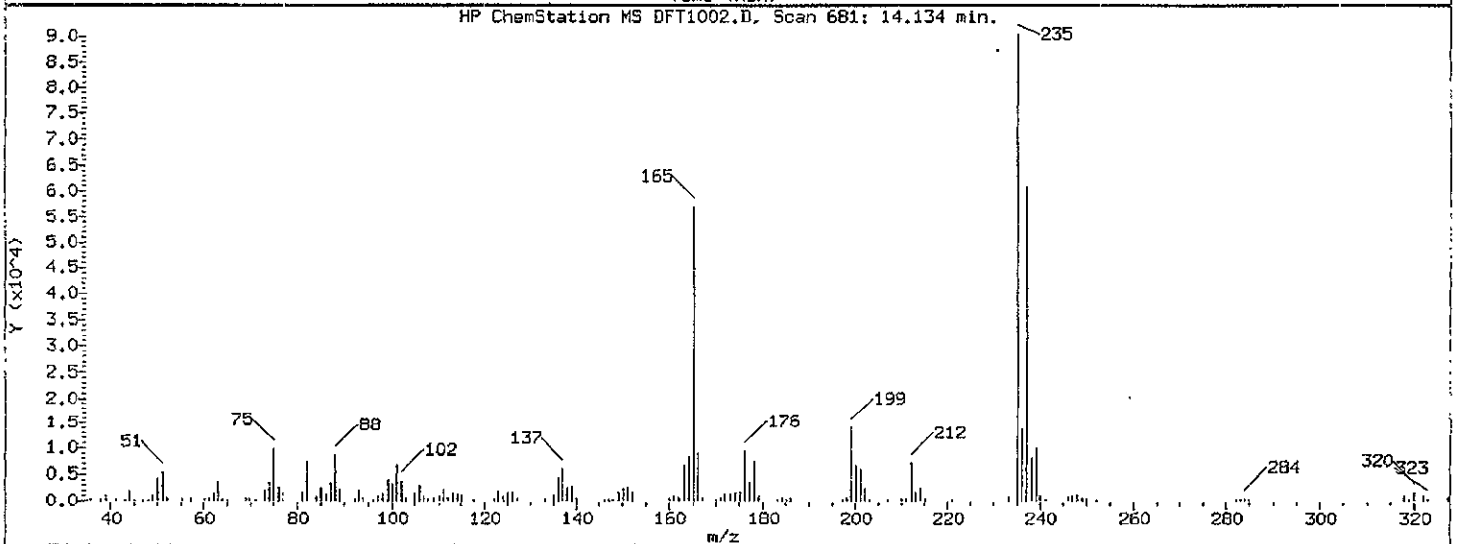
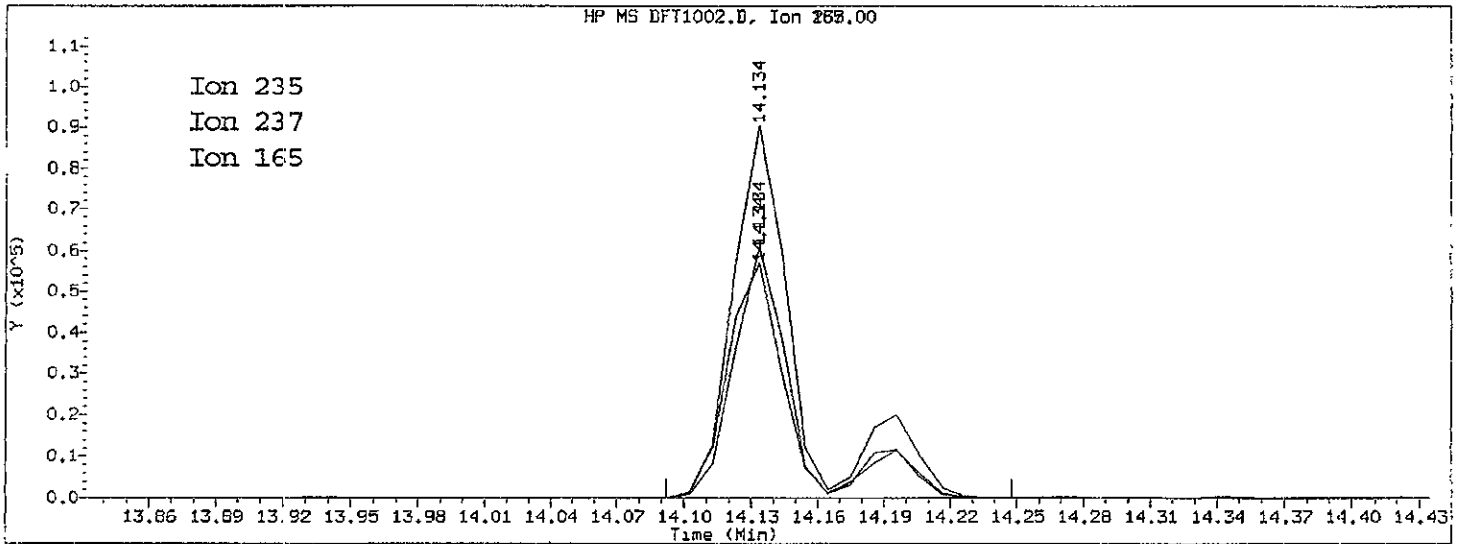
4,4'-DDE

=====
Exp. RT = 13.470
Found RT = 13.356

Mass	Area	Ratio
246	9630	100.00
248	5964	61.93
318	0	0.00

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



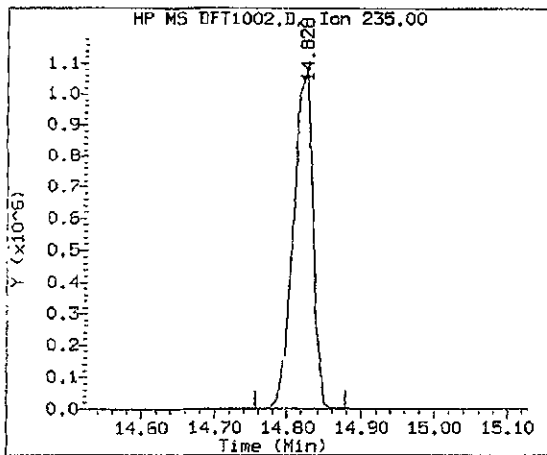
4,4'-DDD

=====

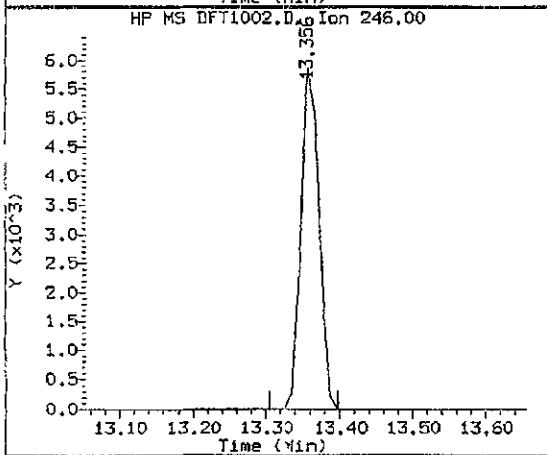
Exp. RT = 14.248

Found RT = 14.134

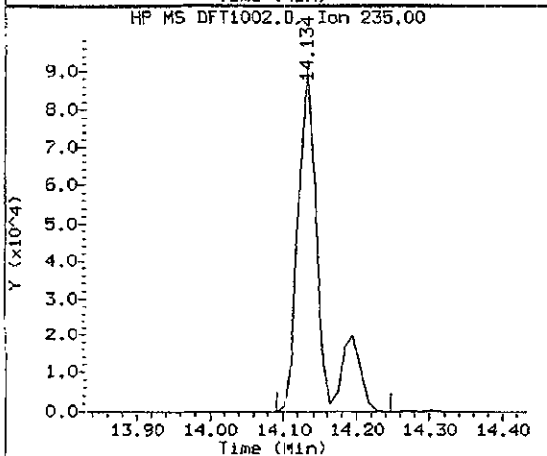
Mass	Area	Ratio
235	180277	100.00
237	115795	64.23
165	113090	62.73



Compound: 4,4'-DDT
 Quant Mass: 235
 RT: 14.828
 Area: 1937042



Compound: 4,4'-DDE
 Quant Mass: 246
 RT: 13.356
 Area: 9630



Compound: 4,4'-DDD
 Quant Mass: 235
 RT: 14.134
 Area: 180277

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	189907	8.9	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\100210.B\DFT1002.D
 Lab Smp Id: DFTPP 50ug/ml
 Inj Date : 02-OCT-2010 12:06
 Operator : KT Inst ID: sv5.i
 Smp Info : DFTPP 50ug/ml;
 Misc Info : 50ul DFTPP 10MSSV0129
 Comment :
 Method : \\SV5\C\chem\sv5.i\100210.B\DFTPP.m
 Meth Date : 17-Aug-2010 14:10 scotts Quant Type: ISTD
 Cal Date : Cal File:
 Als bottle: 96 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: SV5

CONCENTRATIONS									
RT	EXP RT	REL RT	MASS	CON-COL		RESPONSE (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO

1 dftpp									
CAS #: 5074-71-5									
0.000	11.201	(0.000)	198			746688		0.00- 100.00	100.00
0.000	11.201	(0.000)	51			320540		30.00- 80.00	42.94
0.000	11.201	(0.000)	68			4826		0.00- 2.00	1.62
0.000	11.201	(0.000)	69			298048		0.00- 0.00	39.92
0.000	11.201	(0.000)	70			1913		0.00- 2.00	0.64
0.000	11.201	(0.000)	127			406528		25.00- 75.00	54.44
0.000	11.201	(0.000)	197		0.0	0	0.0	0.00- 1.00	0.00
0.000	11.201	(0.000)	199			49104		5.00- 9.00	6.58
0.000	11.201	(0.000)	275			170816		10.00- 30.00	22.88
0.000	11.201	(0.000)	365			20496		0.75- 0.00	2.74
0.000	11.201	(0.000)	441			100984		0.01- 99.99	74.22
0.000	11.201	(0.000)	442			702528		40.00- 110.00	94.09
0.000	11.201	(0.000)	443			136064		15.00- 24.00	19.37

Date : 02-OCT-2010 12:06

Client ID:

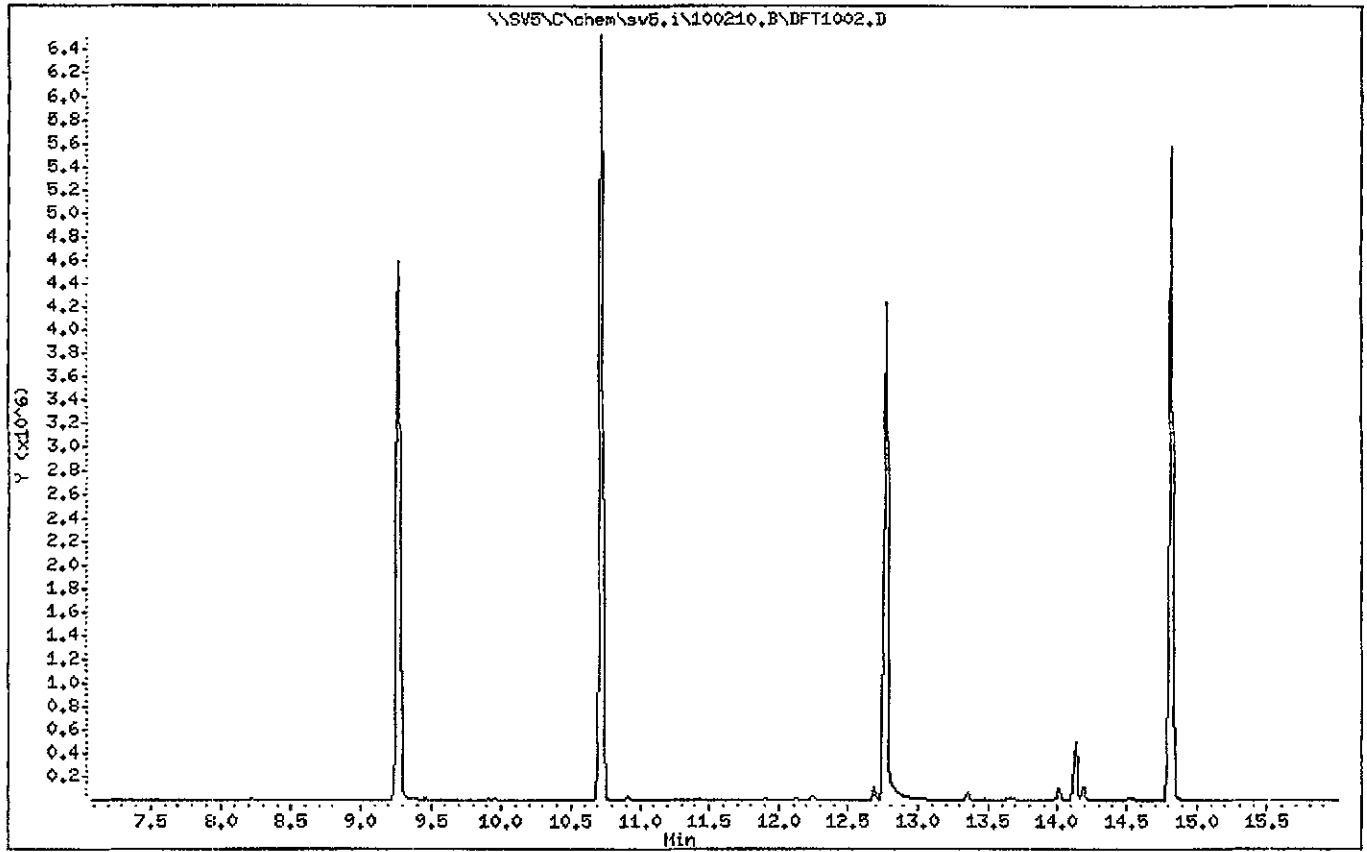
Instrument: sv5.1

Sample Info: DFTTP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2,00



Date : 02-OCT-2010 12:06

Client ID:

Instrument: sv5.i

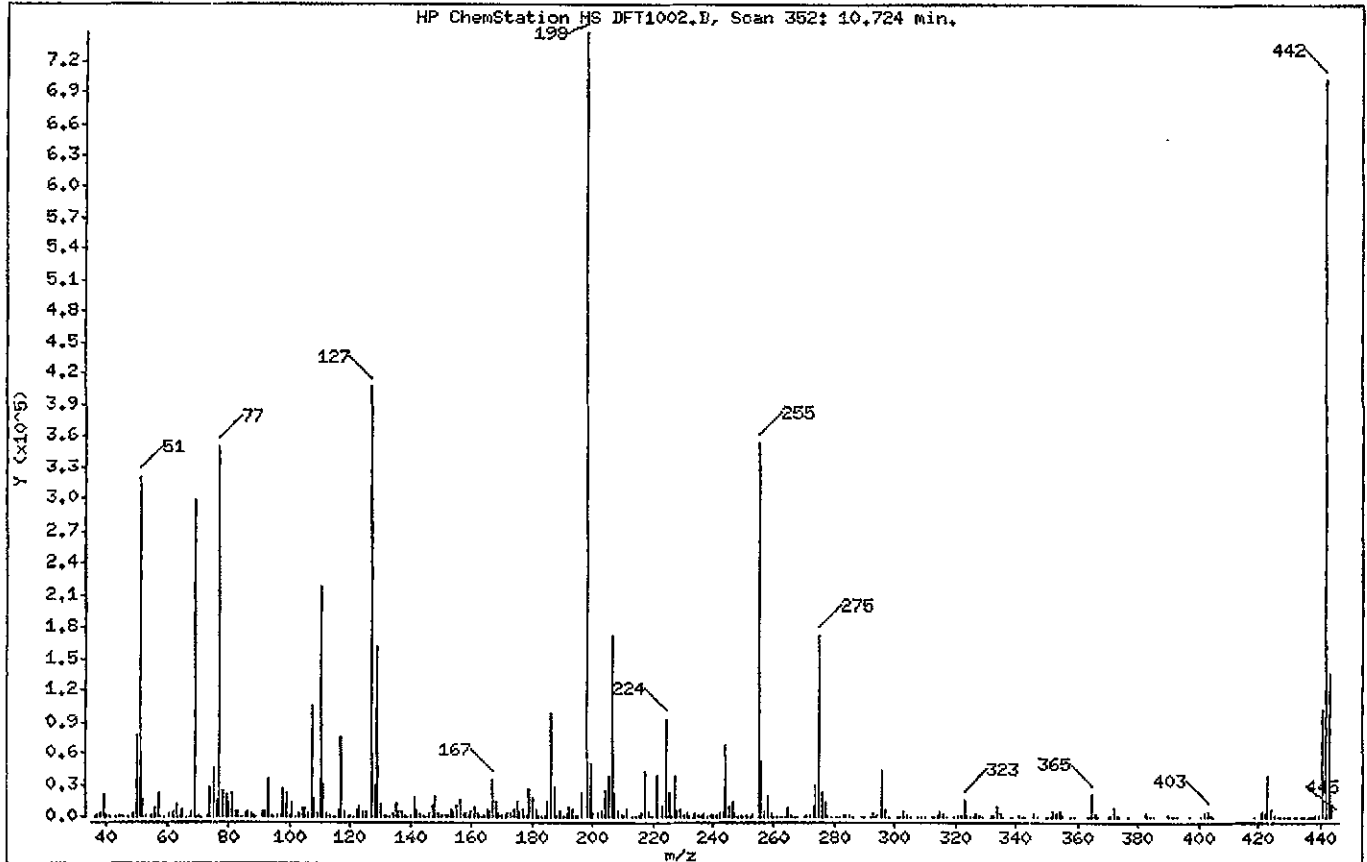
Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	42.94
68	Less than 2.00% of mass 69	0.65 (1.62)
69	Mass 69 relative abundance	39.92
70	Less than 2.00% of mass 69	0.26 (0.64)
127	25.00 - 75.00% of mass 198	54.44
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.58
276	10.00 - 30.00% of mass 198	22.88
365	Greater than 0.75% of mass 198	2.74
441	Present, but less than mass 443	13.52
442	40.00 - 110.00% of mass 198	94.09
443	15.00 - 24.00% of mass 442	18.22 (19.37)

Date : 02-OCT-2010 12:06

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1002.D
Spectrum: HP ChemStation MS DFT1002.D, Scan 352: 10.724 min.
Location of Maximum: 198.00
Number of points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	203	130.00	12809	219.20	447	321.00	1763
37.10	1216	131.00	2287	221.00	37608	322.10	913
38.10	3314	132.00	1225	223.10	9674	323.10	16294
39.10	21392	133.00	620	224.10	93432	324.10	2245
40.00	1076	134.00	3794	225.10	21544	324.50	382
41.10	949	135.10	11378	226.10	1736	326.00	507
43.10	352	136.00	4886	227.00	37976	327.00	2789
44.00	922	137.00	5203	228.00	4945	328.00	1262
45.00	428	138.00	1265	229.00	7548	329.10	343
47.00	204	139.00	791	230.00	1024	331.90	894
49.10	2676	140.00	2233	231.10	2757	333.00	1455
50.10	77024	141.00	17480	232.00	528	334.10	9590
51.10	320640	142.00	7259	233.00	644	335.00	2774
52.10	16189	143.00	3921	234.00	2909	336.00	291
53.10	963	144.00	1375	235.00	2419	339.00	369
55.00	1815	145.10	829	236.10	1608	340.00	399
56.00	8872	146.00	3251	237.00	3192	341.00	2042
57.00	22504	147.00	9463	238.00	581	342.10	852
58.00	755	148.00	18744	239.00	1185	343.20	220
59.10	372	149.00	4031	240.00	1065	346.00	2819
61.00	3888	150.10	1094	241.00	1870	346.90	608
62.00	4800	151.20	2277	242.00	3682	350.30	205
63.10	11199	152.10	1506	243.10	4924	351.00	283
64.10	1448	153.00	6113	244.10	66488	352.00	5049
65.10	6509	154.00	5445	245.10	9865	353.10	3110
66.00	499	155.00	10151	246.00	14673	354.00	5432
67.10	461	156.10	14866	247.00	3022	355.00	1087
68.00	4826	157.10	3676	248.10	618	358.00	241
69.00	298048	158.10	3734	249.00	2441	359.00	574
70.10	1913	159.00	2313	250.00	627	363.50	249
71.10	410	160.00	5246	250.90	1000	365.00	20496
73.10	2021	161.10	8666	252.00	756	366.00	3166
74.00	28000	162.00	2863	253.10	2603	367.00	226
75.00	45304	163.10	562	255.00	353024	370.10	477
76.10	15795	164.00	1067	256.00	51440	370.90	1541

Date : 02-OCT-2010 12:06

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1002.D
Spectrum: HP ChemStation MS DFT1002.D, Scan 352: 10.724 min.
Location of Maximum: 198.00
Number of points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.10	349952	165.00	6962	257.00	4474	372.10	8489
78.10	23464	166.00	5717	258.00	19504	373.10	1814
79.00	20048	167.00	33648	259.10	3095	373.80	348
80.00	14146	168.00	13682	260.00	645	377.10	263
81.00	22008	169.00	2802	261.10	797	383.00	2624
82.00	5822	170.00	1014	262.20	249	383.90	598
83.00	5093	171.00	1339	263.00	269	385.00	289
84.00	814	172.00	3224	264.10	532	390.00	1367
85.00	3848	173.00	4109	265.00	7904	391.00	754
86.00	5985	174.00	7189	266.00	1181	392.10	664
87.00	2652	175.10	13638	267.20	204	393.20	281
88.00	1078	176.10	4293	267.60	232	397.00	230
89.00	472	177.00	6577	270.00	489	400.90	335
91.00	5074	178.10	1972	271.00	901	402.00	3464
92.00	5292	179.00	25912	272.10	1129	403.00	5568
93.00	34848	180.00	16984	273.00	10963	404.10	1777
94.00	2386	181.00	7182	274.00	30032	405.00	292
95.00	749	182.00	1363	275.00	170816	418.90	259
96.00	1660	183.00	559	276.10	22944	421.00	5400
97.10	1007	184.10	2227	277.00	13493	422.00	4183
98.00	25944	185.10	13301	278.10	2251	423.00	37892
99.00	21688	186.00	97864	279.00	648	424.00	6802
100.00	1844	187.10	27792	281.10	266	425.00	930
101.00	13609	188.10	2556	282.00	217	426.50	251
102.10	646	189.00	5094	283.00	1957	427.30	338
103.00	3748	189.90	756	284.00	1097	428.40	200
104.00	8390	191.10	2996	285.10	2569	429.20	300
105.00	8359	192.00	7909	286.10	444	430.20	272
106.10	3007	193.00	7605	289.00	691	431.10	404
107.00	104896	194.10	1998	290.10	589	431.50	324
108.00	17616	195.10	1331	292.10	763	432.20	298
109.00	3545	196.00	22448	293.00	3141	432.50	326
110.00	218112	198.00	746688	294.10	1275	433.30	317
111.00	30736	199.00	49104	296.00	42616	433.70	342
112.00	4281	200.00	4038	297.00	6196	434.30	362

Date : 02-OCT-2010 12:06

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1002.D
 Spectrum: HP ChemStation MS DFT1002.D, Scan 352: 10.724 min.
 Location of Maximum: 198.00
 Number of points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	1310	201.60	4029	298.00	465	434.90	650
114.40	467	203.00	4788	301.00	504	435.90	530
115.00	646	204.00	23416	302.00	695	436.50	586
116.10	6327	205.00	38288	303.10	5810	436.90	846
117.00	75520	206.10	172352	304.00	2035	437.50	828
118.00	5507	207.10	21328	305.10	290	438.20	1136
119.00	839	208.00	5487	308.00	764	439.30	1287
120.10	1180	209.00	2186	309.10	446	441.00	100984
121.00	807	210.00	2002	310.00	839	442.00	702628
122.00	6408	211.10	7473	312.20	271	443.00	136064
123.00	10302	213.00	410	312.90	292	444.00	12344
124.00	4600	214.10	372	314.00	2431	445.10	689
125.00	4447	215.10	1837	315.00	5363		
127.00	406528	216.00	3226	316.00	2900		
128.00	28392	217.00	41648	317.10	363		
129.00	161024	218.00	5388	319.80	287		

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002A.D
 Lab Smp Id: HSL 005 ug/ml CS-1 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 12:27
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL 005 ug/ml CS-1;1;;1;;4
 Misc Info : 3;;0;1 8270STD.SUB;10MSSV0307;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 1 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SACP307UM

Compounds	QUANT SIG	AMOUNTS					ON-COL
		MASS	RT	EXP RT	REL RT	RESPONSE	
* 1 1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	141539	40.0000	(Q)
* 2 Naphthalene-d8	136	5.374	5.374	(1.000)	605687	40.0000	
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	321839	40.0000	
* 4 Phenanthrene-d10	188	9.406	9.405	(1.000)	496356	40.0000	
* 5 Chrysene-d12	240	13.779	13.779	(1.000)	453007	40.0000	
* 6 Perylene-d12	264	16.162	16.162	(1.000)	445119	40.0000	
\$ 7 2-Fluorophenol	112	2.742	2.732	(0.693)	25566	5.00000	5.124
\$ 8 Phenol-d5	99	3.613	3.613	(0.914)	30471	5.00000	4.857
\$ 9 2-Chlorophenol-d4	132	3.758	3.758	(0.950)	26144	5.00000	4.745
\$ 10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	16945	5.00000	4.861
\$ 11 Nitrobenzene-d5	82	4.576	4.576	(0.852)	25006	5.00000	4.874 (M)
\$ 12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	51695	5.00000	4.986
\$ 13 2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	6048	5.00000	4.325
\$ 14 Terphenyl-d14	244	12.017	12.017	(0.872)	44456	5.00000	4.982
15 N-Nitrosodimethylamine	74	1.716	1.706	(0.434)	16436	5.00000	5.040 (q)
16 Pyridine	79	1.737	1.726	(0.439)	29567	5.00000	5.422 (q)
23 Aniline	93	3.654	3.654	(0.924)	39064	5.00000	4.892 (Q)
24 Phenol	94	3.623	3.623	(0.916)	36112	5.00000	5.009 (Q)
26 Bis(2-chloroethyl) ether	93	3.716	3.716	(0.940)	26067	5.00000	5.157
27 2-Chlorophenol	128	3.768	3.768	(0.953)	26910	5.00000	4.863
28 1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	29883	5.00000	4.958
29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	31337	5.00000	4.972
30 Benzyl Alcohol	108	4.120	4.120	(1.042)	17983	5.00000	4.835
31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	28663	5.00000	4.947
32 2-Methylphenol	108	4.255	4.255	(1.076)	24914	5.00000	4.923
33 2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	40622	5.00000	5.049
34 4-Methylphenol	108	4.421	4.421	(1.118)	26292	5.00000	4.891
36 Hexachloroethane	117	4.504	4.504	(1.139)	10779	5.00000	5.024
37 N-Nitrosodipropylamine	70	4.442	4.442	(1.123)	16719	5.00000	4.670
42 Nitrobenzene	77	4.597	4.597	(0.855)	24875	5.00000	4.960
44 Isophorone	82	4.856	4.856	(0.904)	48024	5.00000	4.980
45 2-Nitrophenol	139	4.960	4.960	(0.923)	14088	5.00000	4.735
46 2,4-Dimethylphenol	107	5.012	5.012	(0.933)	26089	5.00000	4.935

10-7-10

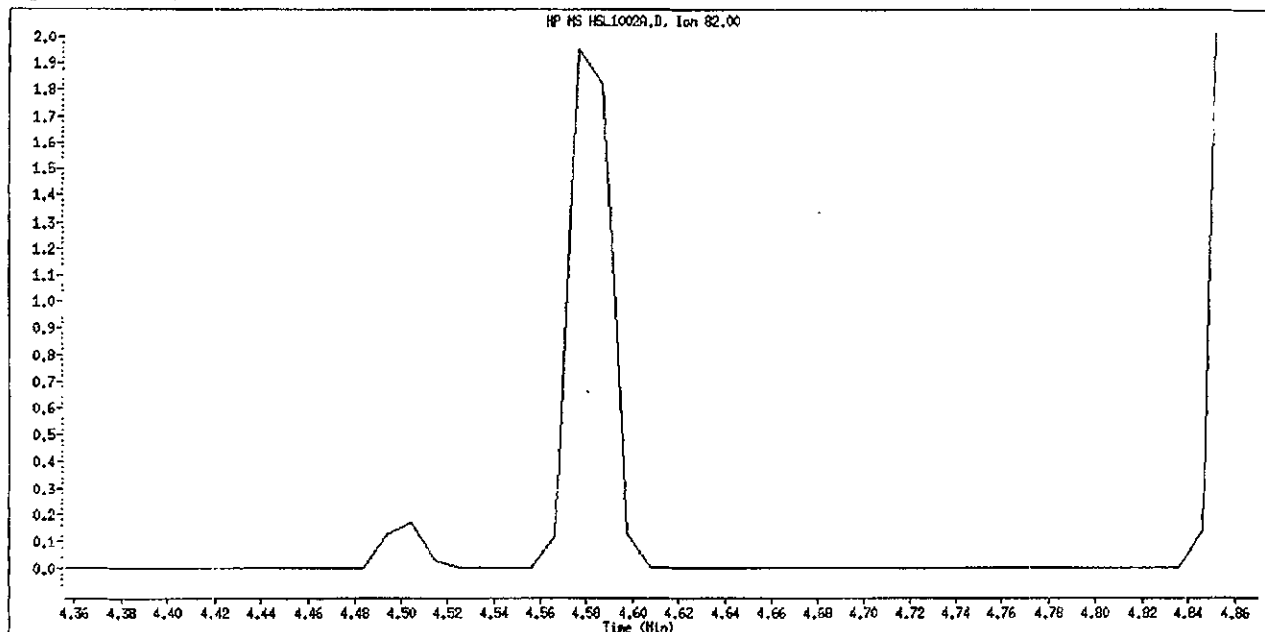
Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	31152	5.00000	5.288
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	19256	5.00000	4.708
50 Benzoic Acid	122	5.084	5.115	(0.946)	12679	5.00000	4.333
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	22282	5.00000	5.032
52 Naphthalene	128	5.395	5.395	(1.004)	83236	5.00000	4.977
54 4-Chloroaniline	127	5.488	5.488	(1.021)	30853	5.00000	4.707
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	10823	5.00000	4.994
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	22205	5.00000	4.862
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	51849	5.00000	4.936
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	10813	5.00000	4.503
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	12546	5.00000	4.886
70 2,4,5-Trichlorophenol	196	6.628	6.628	(0.888)	12400	5.00000	4.483
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	45713	5.00000	5.047
73 2-Nitroaniline	65	6.949	6.949	(0.931)	12703	5.00000	4.627
76 Dimethylphthalate	163	7.219	7.229	(0.967)	49639	5.00000	4.760
77 Acenaphthylene	152	7.281	7.281	(0.975)	75041	5.00000	4.758
79 2,6-Dinitrotoluene	165	7.291	7.302	(0.976)	11404	5.00000	4.694 (QM)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	14226	5.00000	4.691 (Q)
81 Acenaphthene	153	7.509	7.509	(1.006)	50639	5.00000	5.044
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	4083	5.00000	6.945 (q)
83 Dibenzofuran	168	7.696	7.706	(1.031)	63477	5.00000	4.764
84 4-Nitrophenol	109	7.675	7.675	(1.028)	5114	5.00000	4.065 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	13823	5.00000	4.335 (q)
91 Fluorene	166	8.131	8.131	(1.089)	54136	5.00000	4.906
92 Diethylphthalate	149	8.100	8.100	(1.085)	49177	5.00000	4.606
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	22112	5.00000	4.820
94 4-Nitroaniline	138	8.214	8.214	(1.100)	13415	5.00000	4.463
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	5780	5.00000	7.325 (q)
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	41998	5.86000	5.582
100 Azobenzene	77	8.348	8.348	(0.888)	48101	5.00000	4.928
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	11766	5.00000	4.856
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	14244	5.00000	5.264
110 Pentachlorophenol	266	9.240	9.240	(0.982)	5849	5.00000	7.264
114 Phenanthrene	178	9.437	9.437	(1.003)	80873	5.00000	5.169
115 Anthracene	178	9.499	9.499	(1.010)	77577	5.00000	4.963
118 Carbazole	167	9.768	9.768	(1.039)	70241	5.00000	4.920
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	79722	5.00000	4.641
126 Fluoranthene	202	11.302	11.302	(1.202)	64427	5.00000	4.596
127 Benzidine	184	11.571	11.571	(0.840)	44267	5.00000	4.822
128 Pyrene	202	11.665	11.665	(0.847)	71230	5.00000	5.030
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	37074	5.00000	4.574
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	36798	5.00000	5.185
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	62384	5.00000	5.170
139 Chrysene	228	13.820	13.831	(1.003)	59618	5.00000	4.830
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	22168	5.00000	4.870
141 bis(2-ethylhexyl) Phthalate	149	14.110	14.110	(1.024)	51997	5.00000	5.319
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	76353	5.00000	4.886
144 Benzo(b)fluoranthene	252	15.572	15.582	(0.963)	45075	5.00000	4.473 (Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	68403	5.00000	5.288 (q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	50295	5.00000	4.786
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	54694	5.00000	4.788
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	41053	5.00000	4.443
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	49018	5.00000	4.749
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	53428	5.00000	4.781

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				113478	5.00000	4.931 (A)

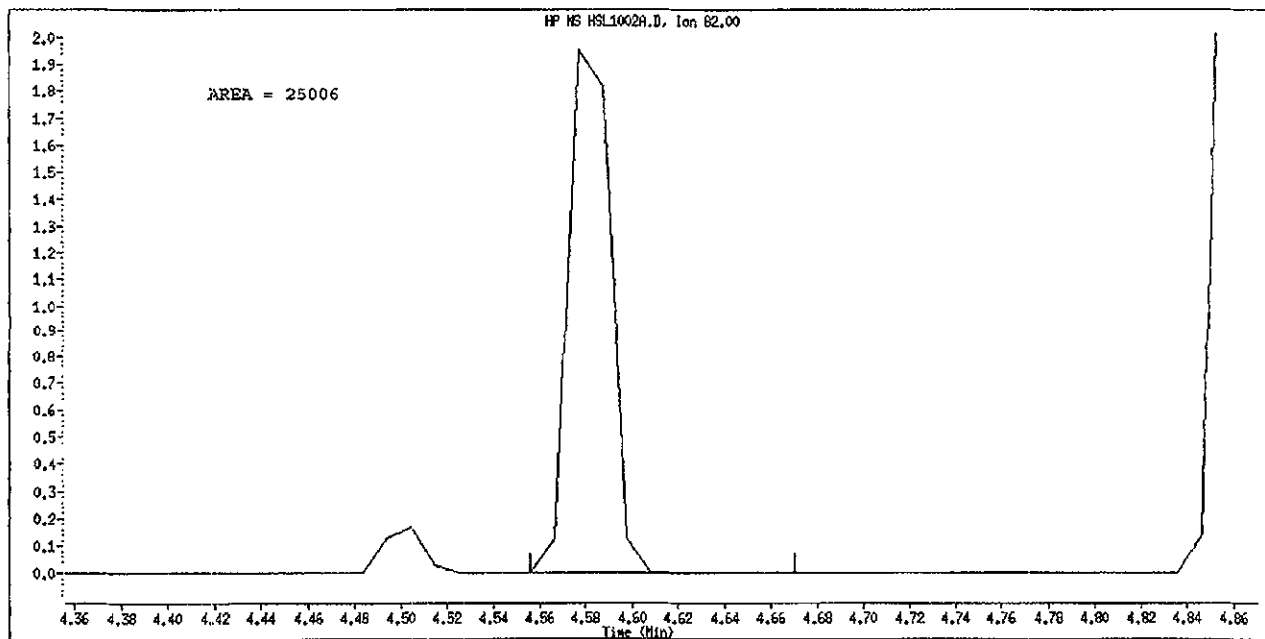
QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002A.D
Inj. Date and Time: 02-OCT-2010 12:27
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 10/03/2010



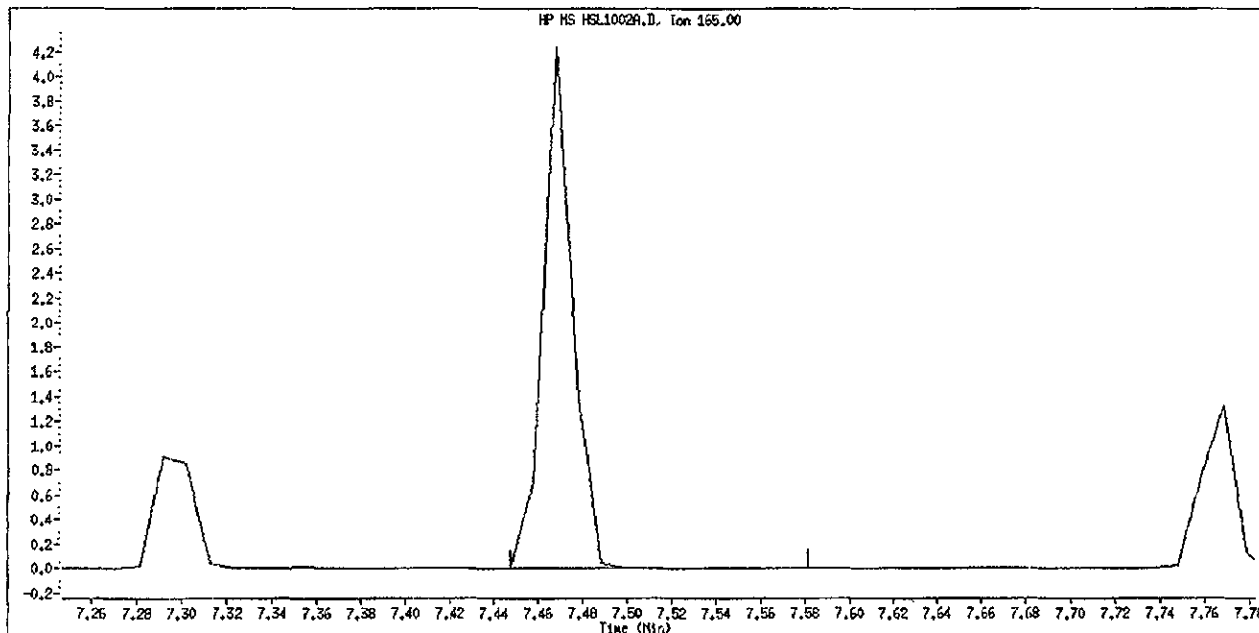
Original Integration



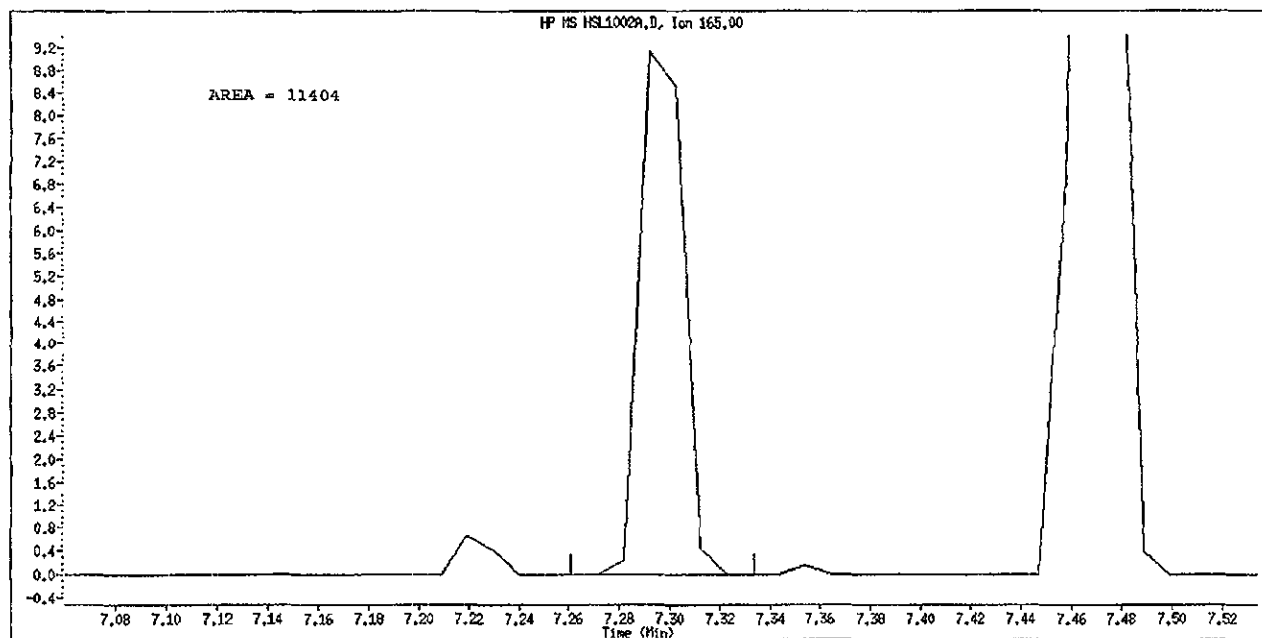
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Peak Not Found

Data File Name: HSL1002A.D
Inj. Date and Time: 02-OCT-2010 12:27
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: trungk
Manual Integration Reason: Wrong Peak

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002A.D
 Lab Smp Id: HSL 005 ug/ml CS-1 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 12:27
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL 005 ug/ml CS-1;1;;1;;;4
 Misc Info : 3;;0;1 8270STD.SUB;10MSSV0307;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 1 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SV5

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		
							CAL-AMT (NG)	ON-COL (NG)	
* 1 1,4-Dichlorobenzene-d4	152		3.955	3.955	(1.000)	141539	40.0000	(Q)	
* 2 Naphthalene-d8	136		5.374	5.374	(1.000)	605687	40.0000		
* 3 Acenaphthene-d10	164		7.468	7.468	(1.000)	321839	40.0000		
* 4 Phenanthrene-d10	188		9.406	9.405	(1.000)	496356	40.0000		
* 5 Chrysene-d12	240		13.779	13.779	(1.000)	453007	40.0000		
* 6 Perylene-d12	264		16.162	16.162	(1.000)	445119	40.0000		
\$ 7 2-Fluorophenol	112		2.742	2.732	(0.693)	25566	5.00000	4.894	
\$ 8 Phenol-d5	99		3.613	3.613	(0.914)	30471	5.00000	4.587	
\$ 9 2-Chlorophenol-d4	132		3.758	3.758	(0.950)	26144	5.00000	4.616	
\$ 10 1,2-Dichlorobenzene-d4	152		4.162	4.162	(1.052)	16945	5.00000	4.793	
\$ 11 Nitrobenzene-d5	82		Compound Not Detected.						
\$ 12 2-Fluorobiphenyl	172		6.680	6.680	(0.895)	51695	5.00000	5.015	
\$ 13 2,4,6-Tribromophenol	330		8.473	8.473	(1.135)	6048	5.00000	4.760	
\$ 14 Terphenyl-d14	244		12.017	12.017	(0.872)	44456	5.00000	5.032	
15 N-Nitrosodimethylamine	74		1.716	1.706	(0.434)	16436	5.00000	4.767(q)	
16 Pyridine	79		1.737	1.726	(0.439)	29567	5.00000	5.146	
23 Aniline	93		3.654	3.654	(0.924)	39064	5.00000	4.689(Q)	
24 Phenol	94		3.623	3.623	(0.916)	36112	5.00000	5.111(Q)	
26 Bis(2-chloroethyl) ether	93		3.716	3.716	(0.940)	26067	5.00000	4.856	
27 2-Chlorophenol	128		3.768	3.768	(0.953)	26910	5.00000	4.813	
28 1,3-Dichlorobenzene	146		3.923	3.923	(0.992)	29883	5.00000	4.837	
29 1,4-Dichlorobenzene	146		3.975	3.975	(1.005)	31337	5.00000	5.017	
30 Benzyl Alcohol	108		4.120	4.120	(1.042)	17983	5.00000	4.681	
31 1,2-Dichlorobenzene	146		4.172	4.172	(1.055)	28663	5.00000	4.842	
32 2-Methylphenol	108		4.255	4.255	(1.076)	24914	5.00000	4.770	
33 2,2'-oxybis(1-Chloropropane)	45		4.297	4.297	(1.086)	40622	5.00000	4.077	
34 4-Methylphenol	108		4.421	4.421	(1.118)	26292	5.00000	4.723	
36 Hexachloroethane	117		4.504	4.504	(1.139)	10779	5.00000	4.891	
37 N-Nitrosodipropylamine	70		4.442	4.442	(1.123)	16719	5.00000	4.290	
42 Nitrobenzene	77		4.597	4.597	(0.855)	24875	5.00000	4.659	
44 Isophorone	82		4.856	4.856	(0.904)	48024	5.00000	4.744	
45 2-Nitrophenol	139		4.960	4.960	(0.923)	14088	5.00000	4.833	
46 2,4-Dimethylphenol	107		5.012	5.012	(0.933)	26089	5.00000	4.820	

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane		93	5.126	5.126	{0.954}	31152	5.00000	5.169
49 2,4-Dichlorophenol		162	5.229	5.229	{0.973}	19256	5.00000	4.834
50 Benzoic Acid		122	5.084	5.115	{0.946}	12679	5.00000	4.202
51 1,2,4-Trichlorobenzene		180	5.322	5.322	{0.990}	22282	5.00000	5.160
52 Naphthalene		128	5.395	5.395	{1.004}	83236	5.00000	4.937
54 4-Chloroaniline		127	5.488	5.488	{1.021}	30853	5.00000	4.652
57 Hexachlorobutadiene		225	5.613	5.613	{1.044}	10823	5.00000	5.267
60 4-Chloro-3-Methylphenol		107	6.069	6.069	{1.129}	22205	5.00000	4.844
63 2-Methylnaphthalene		142	6.203	6.203	{1.154}	51849	5.00000	5.040
66 Hexachlorocyclopentadiene		237	6.483	6.483	{0.868}	10813	5.00000	4.405
69 2,4,6-Trichlorophenol		196	6.576	6.576	{0.881}	12546	5.00000	5.149
70 2,4,5-Trichlorophenol		196	6.628	6.628	{0.888}	12400	5.00000	4.633
71 2-Chloronaphthalene		162	6.784	6.784	{0.908}	45713	5.00000	5.066
73 2-Nitroaniline		65	6.949	6.949	{0.931}	12703	5.00000	4.204
76 Dimethylphthalate		163	7.219	7.229	{0.967}	49639	5.00000	4.763
77 Acenaphthylene		152	7.281	7.281	{0.975}	75041	5.00000	4.757
79 2,6-Dinitrotoluene		165	7.468	7.302	{1.000}	39415	5.00000	16.89 (Q)
80 3-Nitroaniline		138	7.447	7.447	{0.997}	14226	5.00000	4.597 (Q)
81 Acenaphthene		153	7.509	7.509	{1.006}	50639	5.00000	5.038
82 2,4-Dinitrophenol		184	7.571	7.571	{1.014}	4083	5.00000	5.740 (q)
83 Dibenzofuran		168	7.696	7.706	{1.031}	63477	5.00000	4.780
84 4-Nitrophenol		109	7.675	7.675	{1.028}	5114	5.00000	3.785 (Q)
86 2,4-Dinitrotoluene		165	7.768	7.768	{1.040}	13823	5.00000	4.422 (q)
91 Fluorene		166	8.131	8.131	{1.089}	54136	5.00000	4.976
92 Diethylphthalate		149	8.100	8.100	{1.085}	49177	5.00000	4.514
93 4-Chlorophenyl-phenylether		204	8.152	8.152	{1.092}	22112	5.00000	4.930
94 4-Nitroaniline		138	8.214	8.214	{1.100}	13415	5.00000	4.435
97 4,6-Dinitro-2-methylphenol		198	8.276	8.276	{0.880}	5780	5.00000	8.076 (q)
98 N-Nitrosodiphenylamine		169	8.317	8.317	{0.884}	41998	5.86000	5.430
100 Azobenzene		77	8.348	8.348	{0.888}	48101	5.00000	4.470
101 4-Bromophenyl-phenylether		248	8.794	8.794	{0.935}	11766	5.00000	4.905
108 Hexachlorobenzene		284	8.981	8.981	{0.955}	14244	5.00000	5.498
110 Pentachlorophenol		266	9.240	9.240	{0.982}	5849	5.00000	3.762
114 Phenanthrene		178	9.437	9.437	{1.003}	80873	5.00000	5.224
115 Anthracene		178	9.499	9.499	{1.010}	77577	5.00000	4.979
118 Carbazole		167	9.768	9.768	{1.039}	70241	5.00000	4.847
120 Di-n-Butylphthalate		149	10.463	10.463	{1.112}	79722	5.00000	4.549
126 Fluoranthene		202	11.302	11.302	{1.202}	64427	5.00000	4.624
127 Benzidine		184	11.571	11.571	{0.840}	44267	5.00000	4.759
128 Pyrene		202	11.665	11.665	{0.847}	71230	5.00000	5.029
134 3,3'-dimethylbenzidine		212	12.867	12.867	{0.934}	37074	5.00000	4.644
136 Butylbenzylphthalate		149	12.991	12.991	{0.943}	36798	5.00000	5.084
138 Benzo (a) Anthracene		228	13.758	13.758	{0.998}	62384	5.00000	5.220
139 Chrysene		228	13.820	13.831	{1.003}	59618	5.00000	4.801
140 3,3'-Dichlorobenzidine		252	13.799	13.799	{1.002}	22168	5.00000	5.069
141 bis(2-ethylhexyl)Phthalate		149	14.110	14.110	{1.024}	51997	5.00000	5.218
142 Di-n-octylphthalate		149	15.157	15.167	{1.100}	76353	5.00000	4.792
144 Benzo (b) fluoanthene		252	15.572	15.582	{0.963}	45075	5.00000	4.270 (Q)
145 Benzo (k) fluoanthene		252	15.613	15.623	{0.966}	68403	5.00000	5.546 (q)
147 Benzo (e) pyrene		252	15.996	16.007	{0.990}	50295	5.00000	4.807
148 Benzo (a) pyrene		252	16.069	16.079	{0.994}	54694	5.00000	4.761
151 Indeno (1,2,3-cd) pyrene		276	17.789	17.800	{1.101}	41053	5.00000	4.039
152 Dibenzo (a, h) anthracene		278	17.841	17.841	{1.104}	49018	5.00000	4.706
153 Benzo (g, h, i) perylene		276	18.224	18.235	{1.128}	53428	5.00000	4.784

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252					113478	5.00000	4.958 (A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i Calibration Date: 02-OCT-2010
 Lab File ID: HSL1002A.D Calibration Time: 13:44
 Lab Smp Id: HSL 005 ug/ml CS-1 Client Smp ID: 8270F.M
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: KT
 Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0307;0;8270F.M

Test Mode: Use Initial Calibration Level 4.

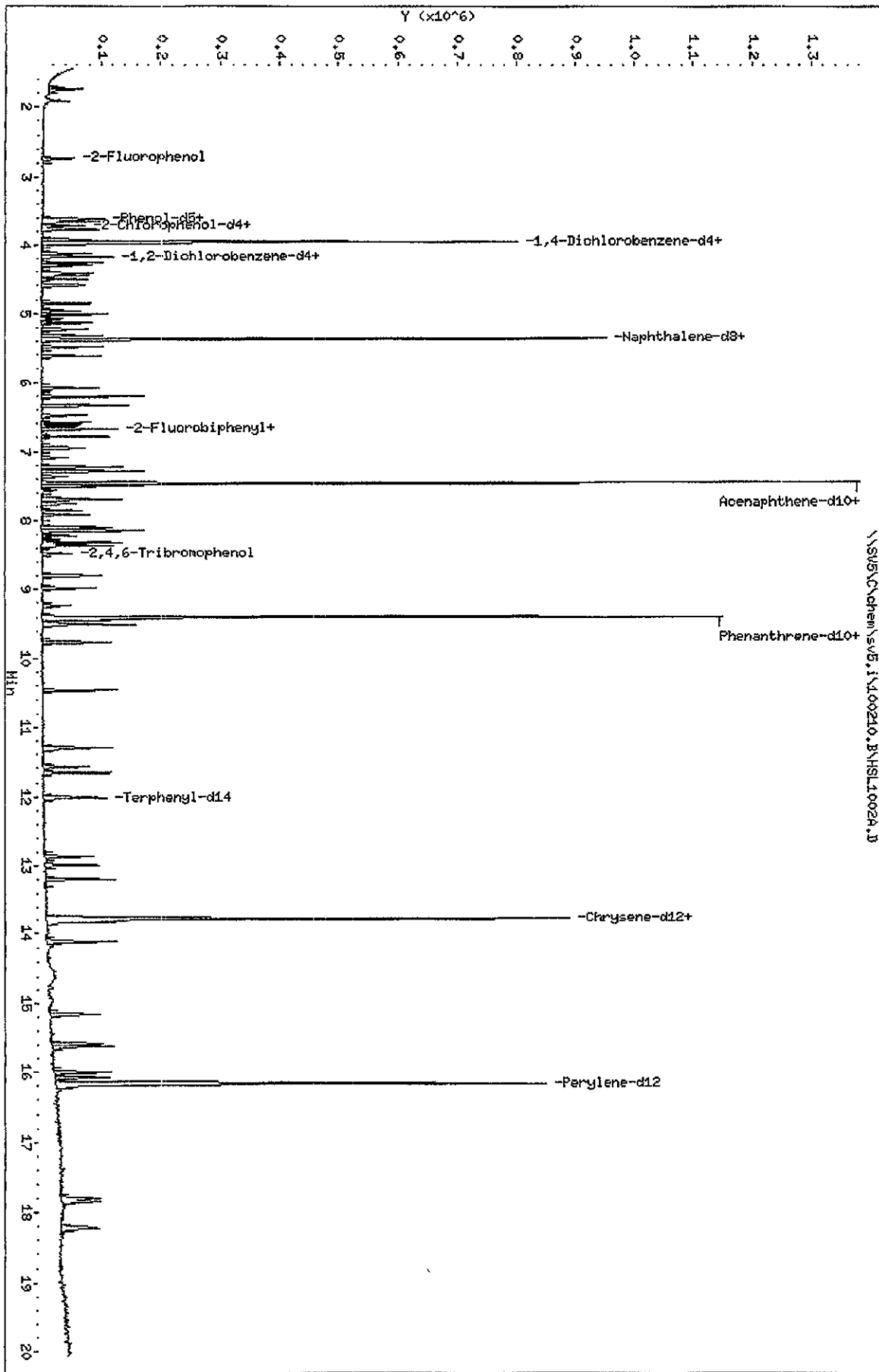
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	141539	15.42
2 Naphthalene-d8	530514	265257	1061028	605687	14.17
3 Acenaphthene-d10	282538	141269	565076	321839	13.91
4 Phenanthrene-d10	462722	231361	925444	496356	7.27
5 Chrysene-d12	435850	217925	871700	453007	3.94
6 Perylene-d12	422284	211142	844568	445119	5.41

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SWS\Chem\sv5.1\100210_B\HSL10024.D
 Date: 02-OCT-2010 12:27
 Client ID: 8220F.H
 Sample Info: HSL_005 ug/ml CS-411111114
 Column Phase: 1

Instrument: sv5.1
 Operator: KT
 Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002B.D
 Lab Smp Id: HSL 010 ug/ml CS-2 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 12:53
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL 010 ug/ml CS-2;1;;2;;;4
 Misc Info : 3;;0;1 8270STD.SUB;10MSSV0308;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 2 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SACP307UM

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4		152	3.955	3.955 (1.000)	116839	40.0000		(Q)
* 2 Naphthalene-d8		136	5.364	5.374 (1.000)	493196	40.0000		
* 3 Acenaphthene-d10		164	7.468	7.468 (1.000)	272639	40.0000		
* 4 Phenanthrene-d10		188	9.406	9.405 (1.000)	428440	40.0000		
* 5 Chrysene-d12		240	13.779	13.779 (1.000)	412260	40.0000		
* 6 Perylene-d12		264	16.162	16.162 (1.000)	419005	40.0000		
\$ 7 2-Fluorophenol		112	2.732	2.732 (0.691)	38100	10.0000		9.251
\$ 8 Phenol-d5		99	3.613	3.613 (0.914)	48878	10.0000		9.438
\$ 9 2-Chlorophenol-d4		132	3.747	3.758 (0.948)	45430	10.0000		9.989
\$ 10 1,2-Dichlorobenzene-d4		152	4.151	4.162 (1.050)	28658	10.0000		9.959
\$ 11 Nitrobenzene-d5		82	4.576	4.576 (0.853)	42237	10.0000		10.11 (QM)
\$ 12 2-Fluorobiphenyl		172	6.680	6.680 (0.895)	85886	10.0000		9.779
\$ 13 2,4,6-Tribromophenol		330	8.473	8.473 (1.135)	11265	10.0000		9.508
\$ 14 Terphenyl-d14		244	12.017	12.017 (0.872)	81026	10.0000		9.978
15 N-Nitrosodimethylamine		74	1.706	1.706 (0.431)	25783	10.0000		9.578 (g)
16 Pyridine		79	1.737	1.726 (0.439)	40141	10.0000		8.917 (Q)
23 Aniline		93	3.654	3.654 (0.924)	63074	10.0000		9.568 (g)
24 Phenol		94	3.623	3.623 (0.916)	57313	10.0000		9.631 (Q)
26 Bis(2-chloroethyl)ether		93	3.716	3.716 (0.940)	40383	10.0000		9.677
27 2-Chlorophenol		128	3.768	3.768 (0.953)	45449	10.0000		9.950
28 1,3-Dichlorobenzene		146	3.913	3.923 (0.990)	49415	10.0000		9.932
29 1,4-Dichlorobenzene		146	3.975	3.975 (1.005)	52537	10.0000		10.10
30 Benzyl Alcohol		108	4.120	4.120 (1.042)	30277	10.0000		9.862
31 1,2-Dichlorobenzene		146	4.172	4.172 (1.055)	47666	10.0000		9.966
32 2-Methylphenol		108	4.255	4.255 (1.076)	40581	10.0000		9.714
33 2,2'-oxybis(1-Chloropropane)		45	4.297	4.297 (1.086)	64869	10.0000		9.768
34 4-Methylphenol		108	4.421	4.421 (1.118)	43497	10.0000		9.803
36 Hexachloroethane		117	4.504	4.504 (1.139)	17770	10.0000		10.03
37 N-Nitrosodimethylamine		70	4.442	4.442 (1.123)	28335	10.0000		9.587
42 Nitrobenzene		77	4.597	4.597 (0.857)	40198	10.0000		9.845
44 Isophorone		82	4.856	4.856 (0.905)	76804	10.0000		9.782
45 2-Nitrophenol		139	4.960	4.960 (0.925)	23221	10.0000		9.585
46 2,4-Dimethylphenol		107	5.012	5.012 (0.934)	42128	10.0000		9.787

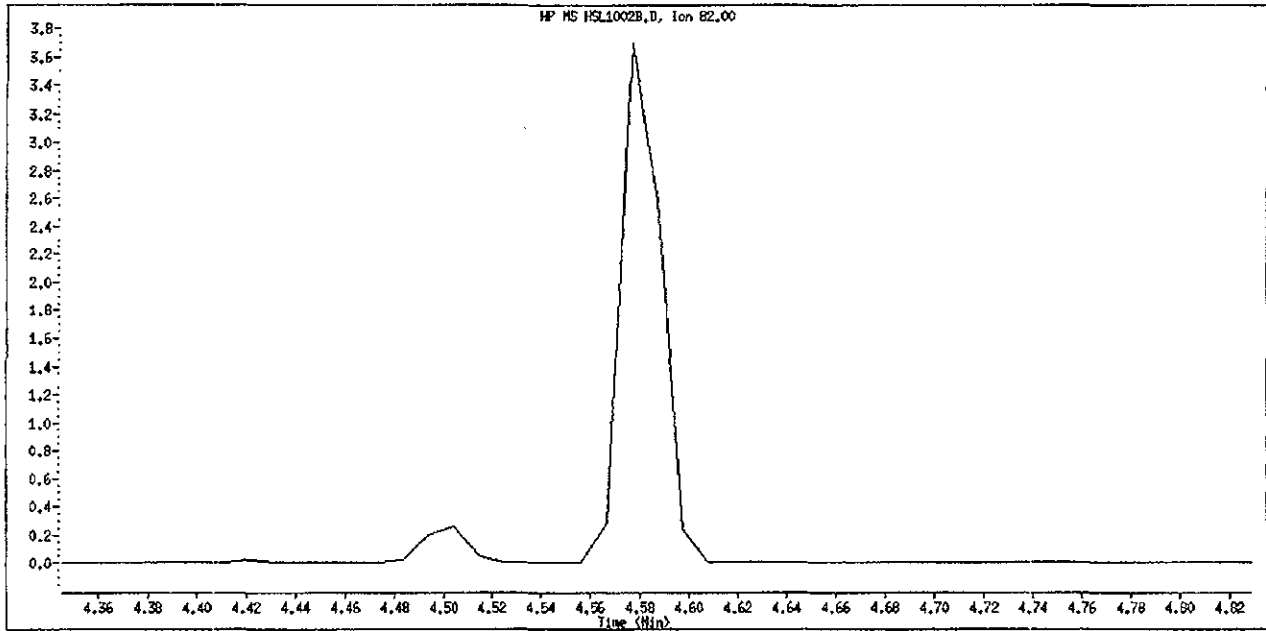
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.956)	46230	10.0000	9.636
49 2,4-Dichlorophenol	162	5.229	5.229	(0.975)	32450	10.0000	9.744
50 Benzoic Acid	122	5.084	5.115	(0.948)	20056	10.0000	8.418
51 1,2,4-Trichlorobenzene	180	5.323	5.322	(0.992)	35544	10.0000	9.857
52 Naphthalene	128	5.395	5.395	(1.006)	138665	10.0000	10.18
54 4-Chloroaniline	127	5.488	5.488	(1.023)	52444	10.0000	9.826
57 Hexachlorobutadiene	225	5.613	5.613	(1.046)	17030	10.0000	9.650
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.131)	35592	10.0000	9.570
63 2-Methylnaphthalene	142	6.203	6.203	(1.156)	83922	10.0000	9.811
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	18919	10.0000	9.300
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	20325	10.0000	9.344
70 2,4,5-Trichlorophenol	196	6.618	6.628	(0.886)	22419	10.0000	9.567
71 2-Chloronaphthalene	162	6.773	6.784	(0.907)	74574	10.0000	9.719
73 2-Nitroaniline	65	6.950	6.949	(0.931)	21647	10.0000	9.308
76 Dimethylphthalate	163	7.219	7.229	(0.967)	85330	10.0000	9.659
77 Acenaphthylene	152	7.281	7.281	(0.975)	130392	10.0000	9.758
79 2,6-Dinitrotoluene	165	7.291	7.302	(0.976)	18661	10.0000	9.067 (QM)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	23598	10.0000	9.186 (q)
81 Acenaphthene	153	7.509	7.509	(1.006)	83474	10.0000	9.814
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	7537	10.0000	10.11 (q)
83 Dibenzofuran	168	7.696	7.706	(1.031)	110503	10.0000	9.789
84 4-Nitrophenol	109	7.675	7.675	(1.028)	9643	10.0000	9.049 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	24530	10.0000	9.080
91 Fluorene	166	8.131	8.131	(1.089)	91225	10.0000	9.759
92 Diethylphthalate	149	8.100	8.100	(1.085)	88532	10.0000	9.788
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	38113	10.0000	9.807
94 4-Nitroaniline	138	8.214	8.214	(1.100)	23002	10.0000	9.033
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	11282	10.0000	11.10
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	74860	11.7000	11.53
100 Azobenzene	77	8.349	8.348	(0.888)	82437	10.0000	9.784
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	19823	10.0000	9.478
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	23622	10.0000	10.11
110 Pentachlorophenol	266	9.240	9.240	(0.982)	10551	10.0000	10.90
114 Phenanthrene	178	9.437	9.437	(1.003)	134966	10.0000	9.995
115 Anthracene	178	9.499	9.499	(1.010)	130416	10.0000	9.667
118 Carbazole	167	9.768	9.768	(1.039)	120549	10.0000	9.782
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	141693	10.0000	9.555
126 Fluoranthene	202	11.302	11.302	(1.202)	115262	10.0000	9.526
127 Benzidine	184	11.571	11.571	(0.840)	78774	10.0000	9.428
128 Pyrene	202	11.654	11.665	(0.846)	127577	10.0000	9.901
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	66361	10.0000	8.997
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	62032	10.0000	9.605
138 Benzo(a)Anthracene	228	13.748	13.758	(0.998)	102788	10.0000	9.360
139 Chrysene	228	13.820	13.831	(1.003)	113552	10.0000	10.11
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	38850	10.0000	9.379
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	83377	10.0000	9.372
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	126961	10.0000	8.928
144 Benzo(b)fluoranthene	252	15.572	15.582	(0.963)	84929	10.0000	8.954 (Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	122065	10.0000	10.02 (q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	97140	10.0000	9.821
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	102327	10.0000	9.516
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	76748	10.0000	8.824
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	88393	10.0000	9.097
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	103135	10.0000	9.804

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				206994	10.0000	9.556 (A)

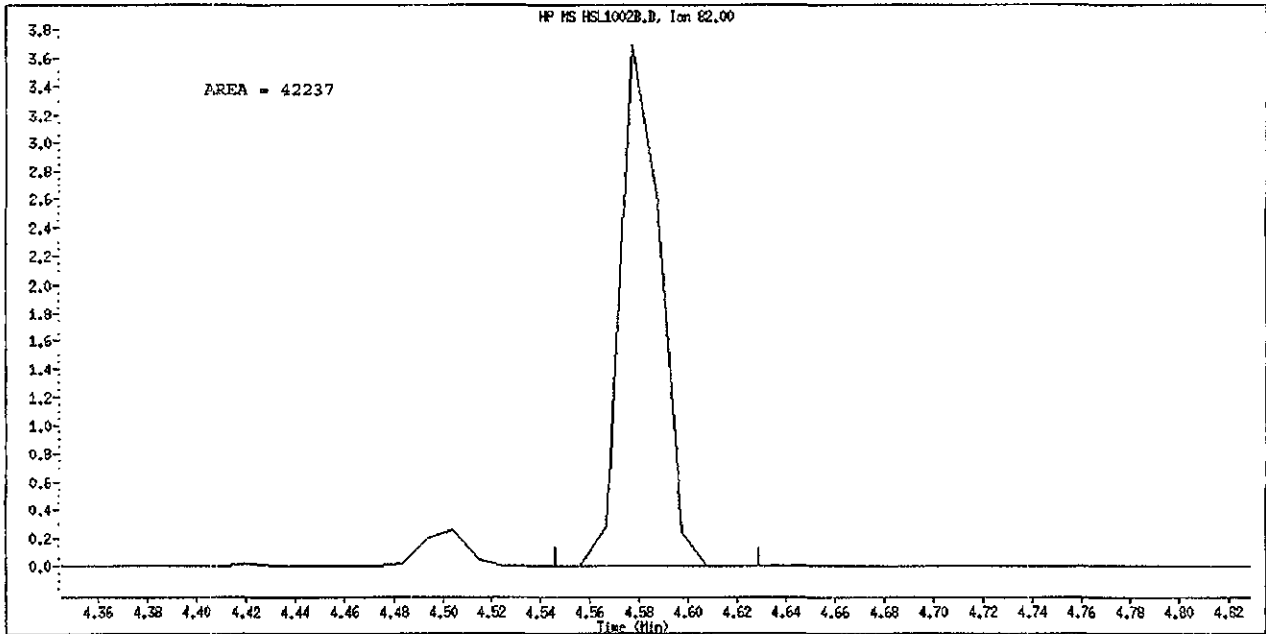
QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSLi002B.D
Inj. Date and Time: 02-OCT-2010 12:53
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 10/03/2010



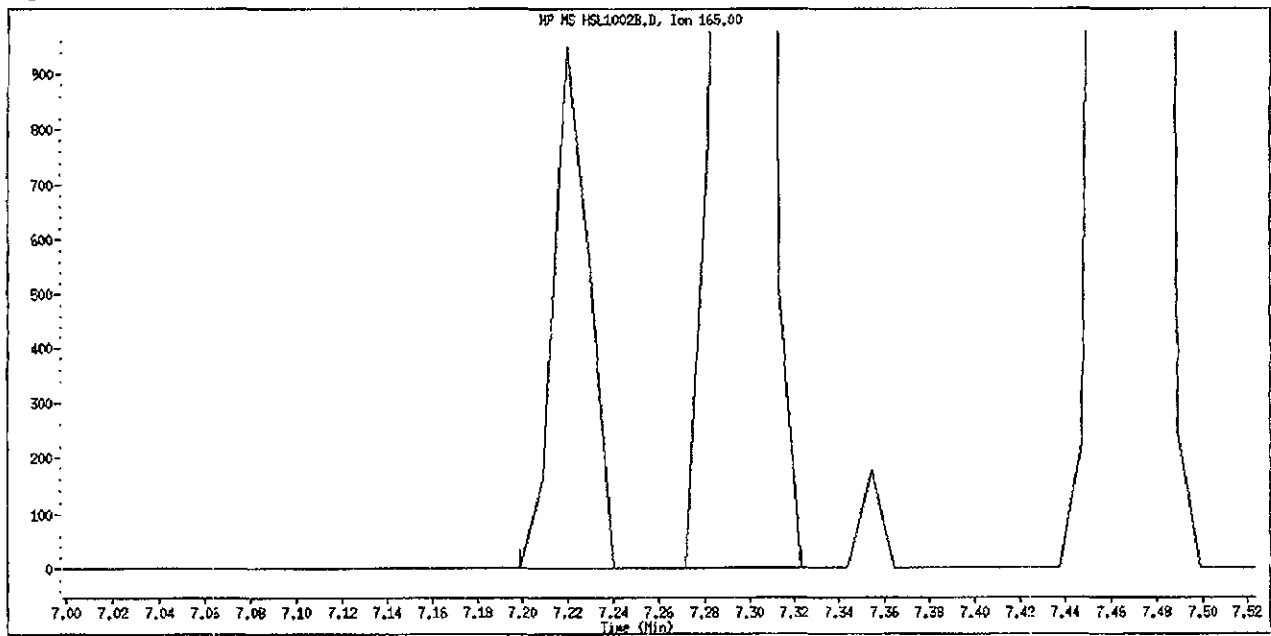
Original Integration



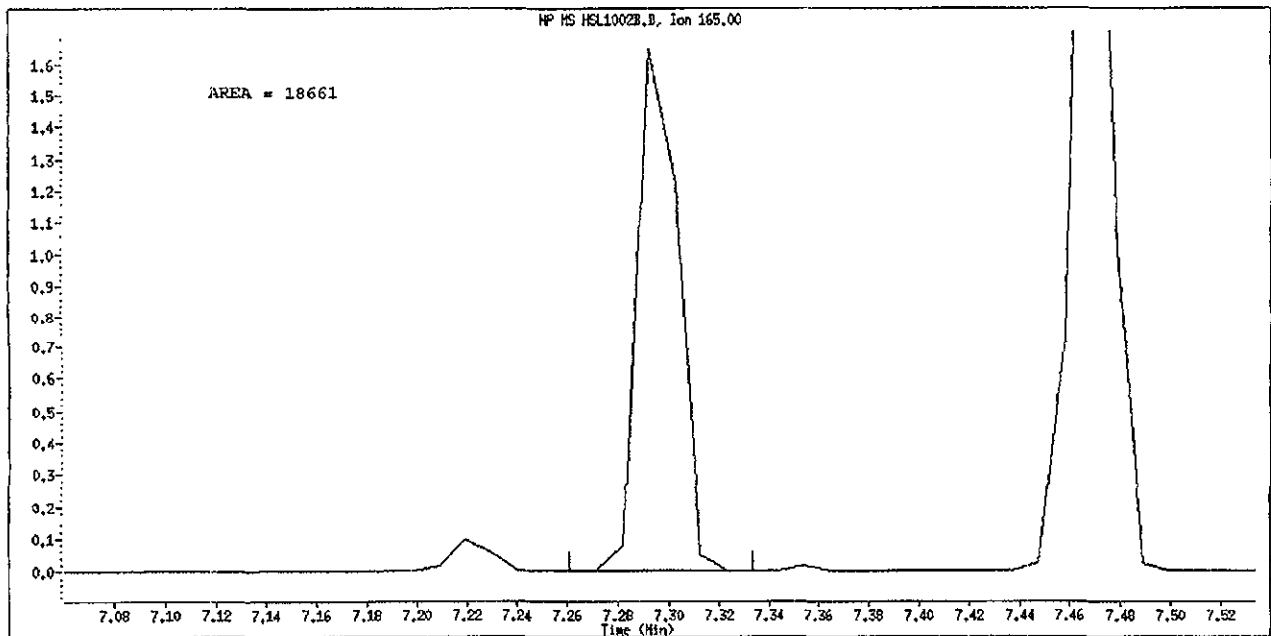
Manual Integration

Manually Integrated By: trungk
Manual Integration Reason: Peak Not Found

Data File Name: HSL1002B.D
Inj. Date and Time: 02-OCT-2010 12:53
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truonk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002B.D
 Lab Smp Id: HSL_010 ug/ml CS-2 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 12:53
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL_010 ug/ml CS-2;1;;2;;;4
 Misc Info : 3;;0;1 8270STD.SUB;10MSSV0308;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 2 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SV5

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		
							CAL-AMT (NG)	ON-COL (NG)	
* 1 1,4-Dichlorobenzene-d4		152	3.955	3.955	(1.000)	116839	40.0000	(Q)	
* 2 Naphthalene-d8		136	5.364	5.374	(1.000)	493196	40.0000		
* 3 Acenaphthene-d10		164	7.468	7.468	(1.000)	272639	40.0000		
* 4 Phenanthrene-d10		188	9.406	9.405	(1.000)	428440	40.0000		
* 5 Chrysene-d12		240	13.779	13.779	(1.000)	412260	40.0000		
* 6 Perylene-d12		264	16.162	16.162	(1.000)	419005	40.0000		
\$ 7 2-Fluorophenol		112	2.732	2.732	(0.691)	38100	10.0000	8.835	
\$ 8 Phenol-d5		99	3.613	3.613	(0.914)	48878	10.0000	8.913	
\$ 9 2-Chlorophenol-d4		132	3.747	3.758	(0.948)	45430	10.0000	9.716	
\$ 10 1,2-Dichlorobenzene-d4		152	4.151	4.162	(1.050)	28658	10.0000	9.820	
\$ 11 Nitrobenzene-d5	82		Compound Not Detected.						
\$ 12 2-Fluorobiphenyl		172	6.680	6.680	(0.895)	85886	10.0000	9.835	
\$ 13 2,4,6-Tribromophenol		330	8.473	8.473	(1.135)	11265	10.0000	10.46	
\$ 14 Terphenyl-d14		244	12.017	12.017	(0.872)	81026	10.0000	10.08	
15 N-Nitrosodimethylamine		74	1.706	1.706	(0.431)	25783	10.0000	9.059	
16 Pyridine		79	1.737	1.726	(0.439)	40141	10.0000	8.464	
23 Aniline		93	3.654	3.654	(0.924)	63074	10.0000	9.172(q)	
24 Phenol		94	3.623	3.623	(0.916)	57313	10.0000	9.827(Q)	
26 Bis(2-chloroethyl) ether		93	3.716	3.716	(0.940)	40383	10.0000	9.114	
27 2-Chlorophenol		128	3.768	3.768	(0.953)	45449	10.0000	9.848	
28 1,3-Dichlorobenzene		146	3.913	3.923	(0.990)	49415	10.0000	9.689	
29 1,4-Dichlorobenzene		146	3.975	3.975	(1.005)	52537	10.0000	10.19	
30 Benzyl Alcohol		108	4.120	4.120	(1.042)	30277	10.0000	9.547	
31 1,2-Dichlorobenzene		146	4.172	4.172	(1.055)	47666	10.0000	9.755	
32 2-Methylphenol		108	4.255	4.255	(1.076)	40581	10.0000	9.413	
33 2,2'-oxybis(1-Chloropropane)		45	4.297	4.297	(1.086)	64869	10.0000	7.888	
34 4-Methylphenol		108	4.421	4.421	(1.118)	43497	10.0000	9.466	
36 Hexachloroethane		117	4.504	4.504	(1.139)	17770	10.0000	9.768	
37 N-Nitrosodipropylamine		70	4.442	4.442	(1.123)	28335	10.0000	8.809	
42 Nitrobenzene		77	4.597	4.597	(0.857)	40198	10.0000	9.246	
44 Isophorone		82	4.856	4.856	(0.905)	76804	10.0000	9.318	
45 2-Nitrophenol		139	4.960	4.960	(0.925)	23221	10.0000	9.784	
46 2,4-Dimethylphenol		107	5.012	5.012	(0.934)	42128	10.0000	9.559	

10-3-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	{0.956}	46230	10.0000	9.421
49 2,4-Dichlorophenol	162	5.229	5.229	{0.975}	32450	10.0000	10.00
50 Benzoic Acid	122	5.084	5.115	{0.948}	20056	10.0000	8.164
51 1,2,4-Trichlorobenzene	180	5.323	5.322	{0.992}	35544	10.0000	10.11
52 Naphthalene	128	5.395	5.395	{1.006}	138665	10.0000	10.10
54 4-Chloroaniline	127	5.488	5.488	{1.023}	52444	10.0000	9.711
57 Hexachlorobutadiene	225	5.613	5.613	{1.046}	17030	10.0000	10.18
60 4-Chloro-3-Methylphenol	107	6.069	6.069	{1.131}	35592	10.0000	9.536
63 2-Methylnaphthalene	142	6.203	6.203	{1.156}	83922	10.0000	10.02
66 Hexachlorocyclopentadiene	237	6.483	6.483	{0.868}	18919	10.0000	9.098
69 2,4,6-Trichlorophenol	196	6.576	6.576	{0.881}	20325	10.0000	9.847
70 2,4,5-Trichlorophenol	196	6.618	6.628	{0.886}	22419	10.0000	9.889
71 2-Chloronaphthalene	162	6.773	6.784	{0.907}	74574	10.0000	9.756
73 2-Nitroaniline	65	6.950	6.949	{0.931}	21647	10.0000	8.456
76 Dimethylphthalate	163	7.219	7.229	{0.967}	85330	10.0000	9.665
77 Acenaphthylene	152	7.281	7.281	{0.975}	130392	10.0000	9.758
79 2,6-Dinitrotoluene	165	7.219	7.302	{0.967}	19698	10.0000	9.963(Q)
80 3-Nitroaniline	138	7.447	7.447	{0.997}	23598	10.0000	9.002(q)
81 Acenaphthene	153	7.509	7.509	{1.006}	83474	10.0000	9.804
82 2,4-Dinitrophenol	184	7.571	7.571	{1.014}	7537	10.0000	9.147(q)
83 Dibenzofuran	168	7.696	7.706	{1.031}	110503	10.0000	9.824
84 4-Nitrophenol	109	7.675	7.675	{1.028}	9643	10.0000	8.425(Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	{1.040}	24530	10.0000	9.262
91 Fluorene	166	8.131	8.131	{1.089}	91225	10.0000	9.898
92 Diethylphthalate	149	8.100	8.100	{1.085}	88532	10.0000	9.594
93 4-Chlorophenyl-phenylether	204	8.152	8.152	{1.092}	38113	10.0000	10.03
94 4-Nitroaniline	138	8.214	8.214	{1.100}	23002	10.0000	8.977
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	{0.880}	11282	10.0000	11.76
98 N-Nitrosodiphenylamine	169	8.317	8.317	{0.884}	74860	11.7000	11.21
100 Azobenzene	77	8.349	8.348	{0.888}	82437	10.0000	8.875
101 4-Bromophenyl-phenylether	248	8.794	8.794	{0.935}	19823	10.0000	9.575
108 Hexachlorobenzene	284	8.981	8.981	{0.955}	23622	10.0000	10.56
110 Pentachlorophenol	266	9.240	9.240	{0.982}	10551	10.0000	7.861
114 Phenanthrene	178	9.437	9.437	{1.003}	134966	10.0000	10.10
115 Anthracene	178	9.499	9.499	{1.010}	130416	10.0000	9.697
118 Carbazole	167	9.768	9.768	{1.039}	120549	10.0000	9.637
120 Di-n-Butylphthalate	149	10.463	10.463	{1.112}	141693	10.0000	9.367
126 Fluoranthene	202	11.302	11.302	{1.202}	115262	10.0000	9.583
127 Benzidine	184	11.571	11.571	{0.840}	78774	10.0000	9.305
128 Pyrene	202	11.654	11.665	{0.846}	127577	10.0000	9.897
134 3,3'-dimethylbenzidine	212	12.867	12.867	{0.934}	66361	10.0000	9.134
136 Butylbenzylphthalate	149	12.991	12.991	{0.943}	62032	10.0000	9.418
138 Benzo(a)Anthracene	228	13.748	13.758	{0.998}	102788	10.0000	9.450
139 Chrysene	228	13.820	13.831	{1.003}	113552	10.0000	10.05
140 3,3'-Dichlorobenzidine	252	13.799	13.799	{1.002}	38850	10.0000	9.762
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	{1.024}	83377	10.0000	9.194
142 Di-n-octylphthalate	149	15.157	15.167	{1.100}	126961	10.0000	8.756
144 Benzo(b)fluoranthene	252	15.572	15.582	{0.963}	84929	10.0000	8.548(Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	{0.966}	122065	10.0000	10.51(q)
147 Benzo(e)pyrene	252	15.996	16.007	{0.990}	97140	10.0000	9.863
148 Benzo(a)pyrene	252	16.069	16.079	{0.994}	102327	10.0000	9.463
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	{1.101}	76748	10.0000	8.022
152 Dibenzo(a,h)anthracene	278	17.841	17.841	{1.104}	88393	10.0000	9.016
153 Benzo(g,h,i)perylene	276	18.224	18.235	{1.128}	103135	10.0000	9.811

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
M 152 benzo b,k Fluoranthene Totals	252					286994	10.0000	9.607(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i Calibration Date: 02-OCT-2010
 Lab File ID: HSL1002B.D Calibration Time: 13:44
 Lab Smp Id: HSL 010 ug/ml CS-2 Client Smp ID: 8270F.M
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: KT
 Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0308;0;8270F.M

Test Mode:
 Use Initial Calibration Level 4.

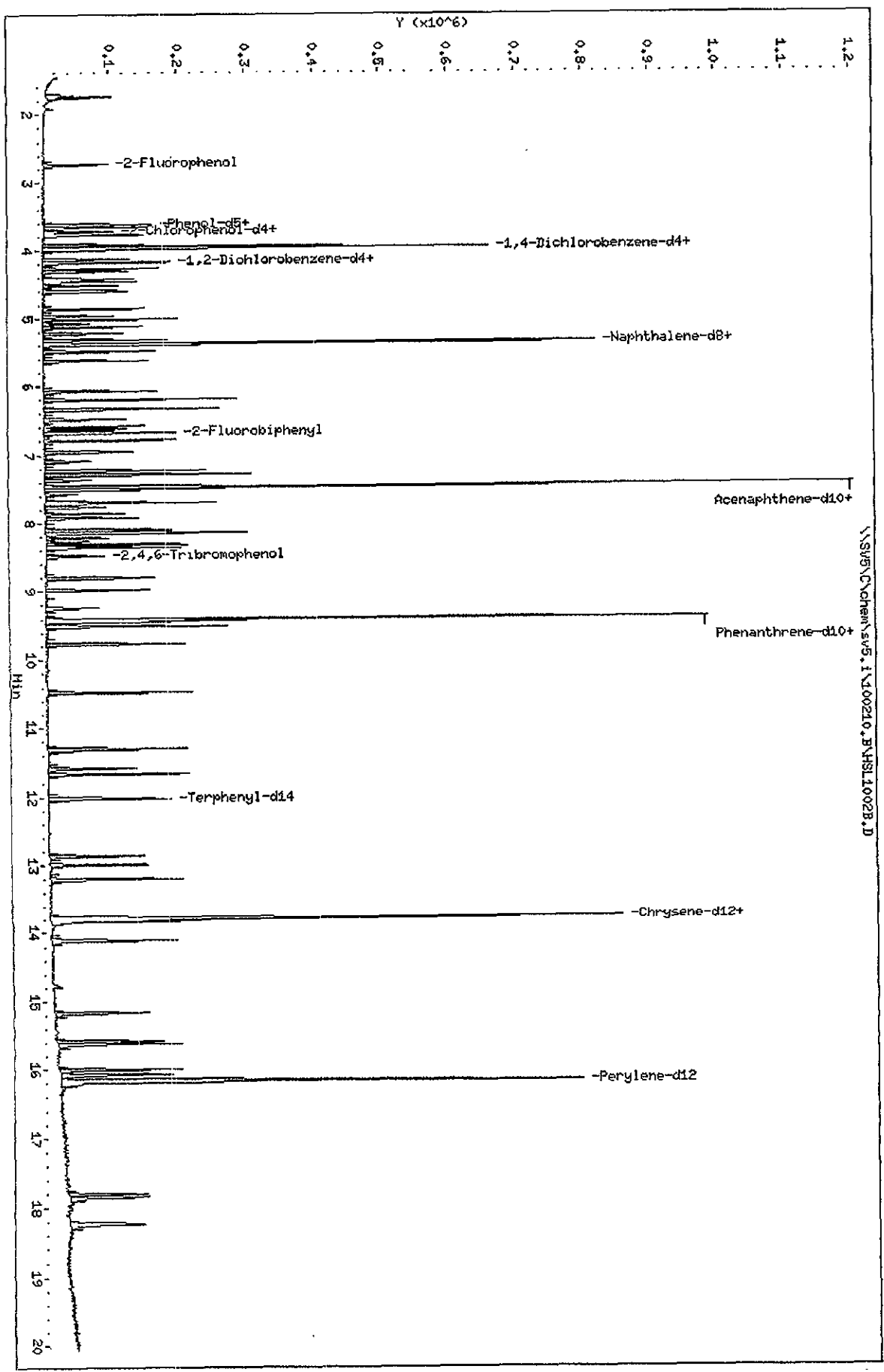
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	116839	-4.72
2 Naphthalene-d8	530514	265257	1061028	493196	-7.03
3 Acenaphthene-d10	282538	141269	565076	272639	-3.50
4 Phenanthrene-d10	462722	231361	925444	428440	-7.41
5 Chrysene-d12	435850	217925	871700	412260	-5.41
6 Perylene-d12	422284	211142	844568	419005	-0.78

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.36	-0.19
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SW5\Chem\sv5.1\100210.B\HSL1002B.D
 Date: 02-01-2010 12:53
 Client ID: 8270F.M
 Sample Info: HSL_010 ug/ml CS-211121114
 Column phase:

Instrument: sv5.1
 Operator: KT
 Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002C.D
 Lab Smp Id: HSL 020 ug/ml CS-3 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 13:18
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL 020 ug/ml CS-3;1;;3;;;4
 Misc Info : 3;;0;1_8270STD.SUB;10MSSV0309;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 3 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SACP307UM

Compounds	QUANT SIG	MASS	RT	EXP RT	RBL RT	RESPONSE	AMOUNTS	
							CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4		152	3.954	3.955 (1.000)		145926	40.0000	(Q)
* 2 Naphthalene-d8		136	5.364	5.374 (1.000)		625682	40.0000	
* 3 Acenaphthene-d10		164	7.467	7.468 (1.000)		328608	40.0000	
* 4 Phenanthrene-d10		188	9.405	9.405 (1.000)		525834	40.0000	
* 5 Chrysene-d12		240	13.779	13.779 (1.000)		590727	40.0000	
* 6 Perylene-d12		264	16.162	16.162 (1.000)		619266	40.0000	
\$ 7 2-Fluorophenol		112	2.732	2.732 (0.691)		100961	20.0000	19.63
\$ 8 Phenol-d5		99	3.612	3.613 (0.914)		127066	20.0000	19.64
\$ 9 2-Chlorophenol-d4		132	3.747	3.758 (0.948)		112302	20.0000	19.77
\$ 10 1,2-Dichlorobenzene-d4		152	4.162	4.162 (1.052)		72837	20.0000	20.27(q)
\$ 11 Nitrobenzene-d5		82	4.576	4.576 (0.853)		103440	20.0000	19.52
\$ 12 2-Fluorobiphenyl		172	6.680	6.680 (0.895)		209764	20.0000	19.82
\$ 13 2,4,6-Tribromophenol		330	8.473	8.473 (1.135)		28698	20.0000	20.10
\$ 14 Terphenyl-d14		244	12.017	12.017 (0.872)		218324	20.0000	18.76
15 N-Nitrosodimethylamine		74	1.706	1.706 (0.431)		66431	20.0000	19.76(q)
16 Pyridine		79	1.726	1.726 (0.437)		116339	20.0000	20.69(Q)
23 Aniline		93	3.654	3.654 (0.924)		160510	20.0000	19.50
24 Phenol		94	3.623	3.623 (0.916)		147994	20.0000	19.91
26 Bis(2-chloroethyl)ether		93	3.716	3.716 (0.940)		101777	20.0000	19.53
27 2-Chlorophenol		128	3.768	3.768 (0.953)		114481	20.0000	20.07
28 1,3-Dichlorobenzene		146	3.913	3.923 (0.990)		122398	20.0000	19.70
29 1,4-Dichlorobenzene		146	3.975	3.975 (1.005)		126965	20.0000	19.54
30 Benzyl Alcohol		108	4.120	4.120 (1.042)		72366	20.0000	18.87
31 1,2-Dichlorobenzene		146	4.172	4.172 (1.055)		117073	20.0000	19.60
32 2-Methylphenol		108	4.255	4.255 (1.076)		101499	20.0000	19.45
33 2,2'-oxybis(1-Chloropropane)		45	4.296	4.297 (1.086)		166596	20.0000	20.08
34 4-Methylphenol		108	4.421	4.421 (1.118)		106723	20.0000	19.26
36 Hexachloroethane		117	4.504	4.504 (1.139)		44196	20.0000	19.98
37 N-Nitrosodipropylamine		70	4.441	4.442 (1.123)		73913	20.0000	20.02
42 Nitrobenzene		77	4.597	4.597 (0.857)		101809	20.0000	19.65
44 Isophorone		82	4.856	4.856 (0.905)		191333	20.0000	19.21
45 2-Nitrophenol		139	4.960	4.960 (0.925)		58938	20.0000	19.18
46 2,4-Dimethylphenol		107	5.011	5.012 (0.934)		107325	20.0000	19.65

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10-3-10

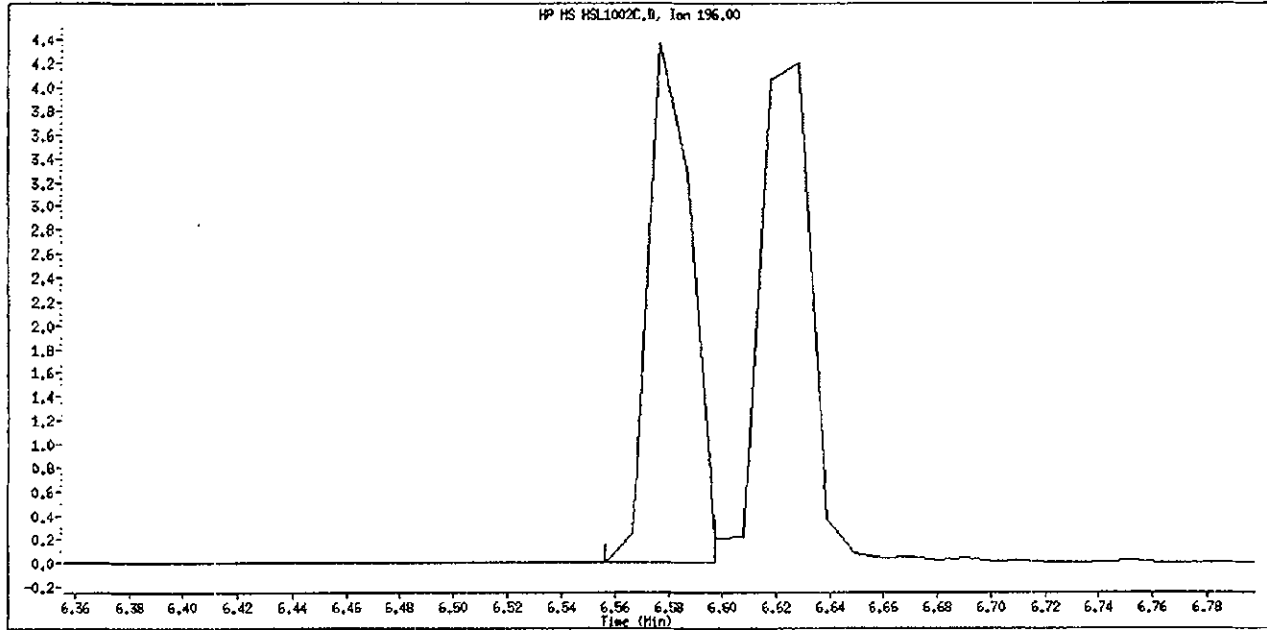
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.956)	120646	20.0000	19.82
49 2,4-Dichlorophenol	162	5.229	5.229	(0.975)	84525	20.0000	20.01
50 Benzoic Acid	122	5.094	5.115	(0.950)	54506	20.0000	18.03
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.992)	89082	20.0000	19.47
52 Naphthalene	128	5.395	5.395	(1.006)	336100	20.0000	19.46
54 4-Chloroaniline	127	5.488	5.488	(1.023)	135348	20.0000	19.99
57 Hexachlorobutadiene	225	5.613	5.613	(1.046)	45138	20.0000	20.16
60 4-Chloro-3-Methylphenol	107	6.068	6.069	(1.131)	90970	20.0000	19.28
63 2-Methylnaphthalene	142	6.203	6.203	(1.156)	212981	20.0000	19.62
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	47478	20.0000	19.36
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	49658	20.0000	18.94 (Q)
70 2,4,5-Trichlorophenol	196	6.628	6.628	(0.888)	55529	20.0000	19.66 (QM)
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	180754	20.0000	19.54
73 2-Nitroaniline	65	6.949	6.949	(0.931)	54872	20.0000	19.58
76 Dimethylphthalate	163	7.219	7.229	(0.967)	213272	20.0000	20.03
77 Acenaphthylene	152	7.281	7.281	(0.975)	315165	20.0000	19.57
79 2,6-Dinitrotoluene	165	7.291	7.302	(0.976)	49111	20.0000	19.80 (QM)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	59114	20.0000	19.09
81 Acenaphthene	153	7.509	7.509	(1.006)	208228	20.0000	20.31
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	23799	20.0000	19.52
83 Dibenzofuran	168	7.695	7.706	(1.031)	271431	20.0000	19.95
84 4-Nitrophenol	109	7.675	7.675	(1.028)	25164	20.0000	19.59 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	63223	20.0000	19.42
91 Fluorene	166	8.131	8.131	(1.089)	220647	20.0000	19.58
92 Diethylphthalate	149	8.100	8.100	(1.085)	216140	20.0000	19.83
93 4-Chlorophenyl-phenylether	204	8.151	8.152	(1.092)	93468	20.0000	19.95
94 4-Nitroaniline	138	8.214	8.214	(1.100)	61333	20.0000	19.98
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	32982	20.0000	20.44
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	186206	23.4000	23.36
100 Azobenzene	77	8.348	8.348	(0.888)	203290	20.0000	19.66
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	50693	20.0000	19.75
108 Hexachlorobenzene	284	8.980	8.981	(0.955)	54528	20.0000	19.02
110 Pentachlorophenol	266	9.240	9.240	(0.982)	30451	20.0000	20.33
114 Phenanthrene	178	9.436	9.437	(1.003)	329718	20.0000	19.89
115 Anthracene	178	9.499	9.499	(1.010)	326558	20.0000	19.72
118 Carbazole	167	9.768	9.768	(1.039)	298921	20.0000	19.76
120 Di-n-Butylphthalate	149	10.462	10.463	(1.112)	358075	20.0000	19.68
126 Fluoranthene	202	11.302	11.302	(1.202)	308182	20.0000	20.75
127 Benzidine	184	11.571	11.571	(0.840)	222260	20.0000	18.56
128 Pyrene	202	11.665	11.665	(0.847)	345805	20.0000	18.73
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	198960	20.0000	18.82
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	174685	20.0000	18.88
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	304948	20.0000	19.38
139 Chrysene	228	13.820	13.831	(1.003)	314030	20.0000	19.51
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	115458	20.0000	19.45
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	248201	20.0000	19.47
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	400592	20.0000	19.66
144 Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	256213	20.0000	18.28 (Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	371629	20.0000	20.65 (q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	281015	20.0000	19.22
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	307781	20.0000	19.37
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	228110	20.0000	17.74
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	270172	20.0000	18.81
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	301520	20.0000	19.39

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
===== M 162 benzo b,k Fluoranthene Totals	252					627842	20.0000	19.61 (A)

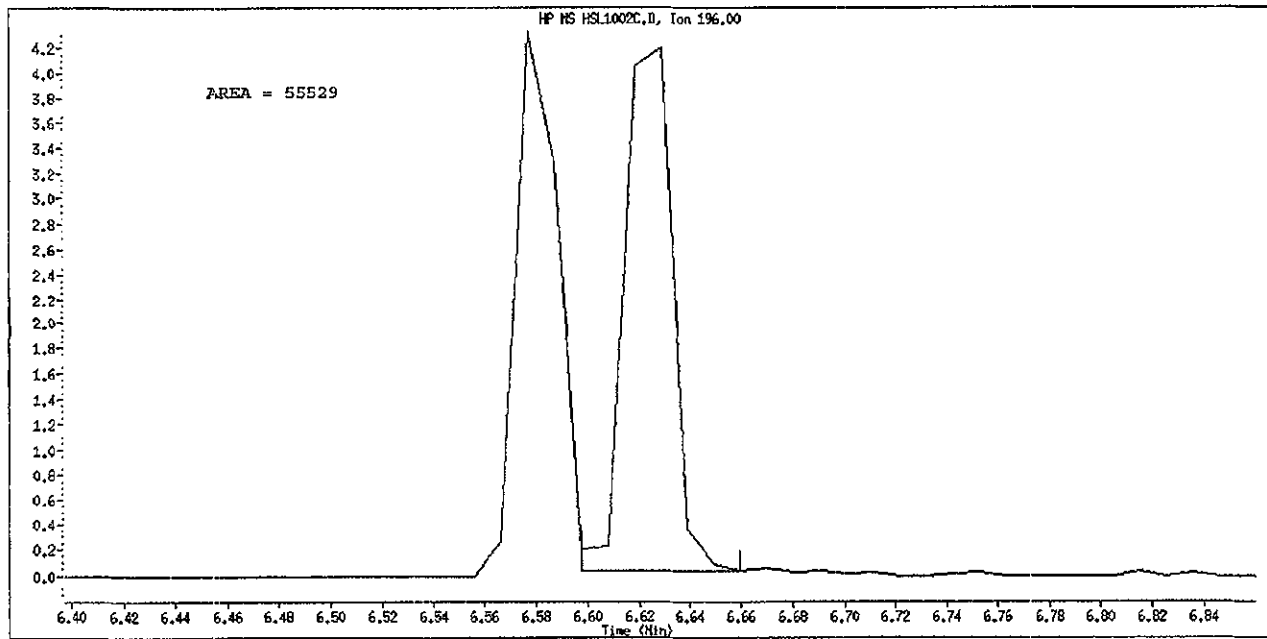
QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002C.D
Inj. Date and Time: 02-OCT-2010 13:18
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,4,5-Trichlorophenol
CAS #: 95-95-4
Report Date: 10/03/2010



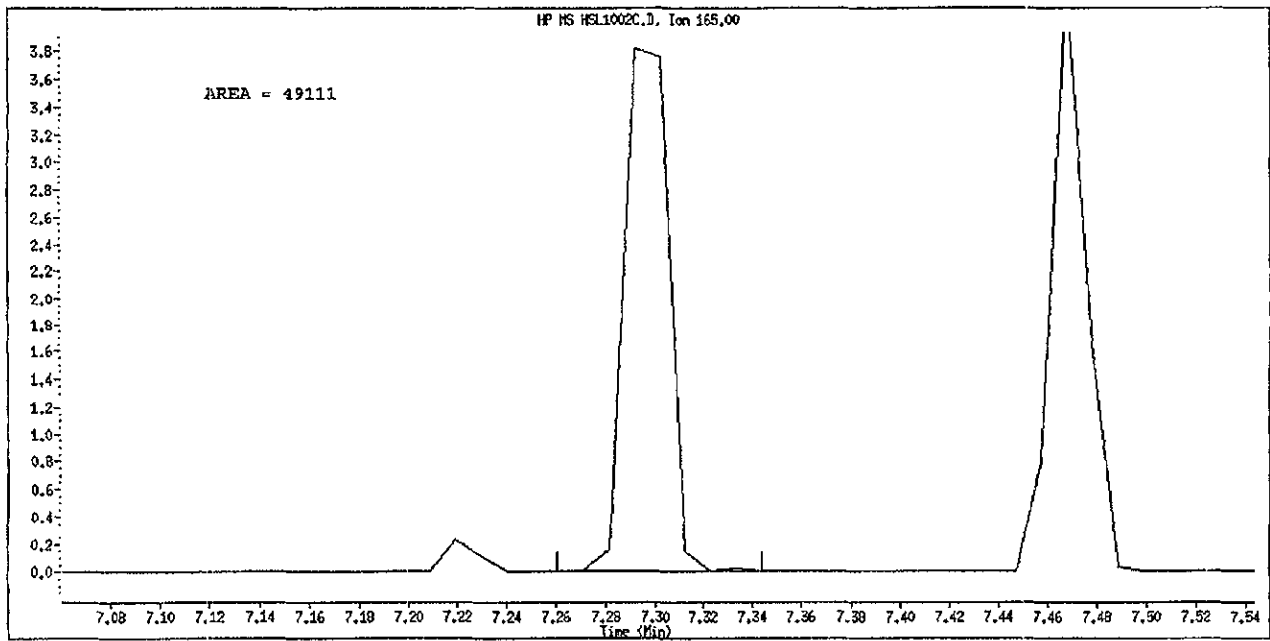
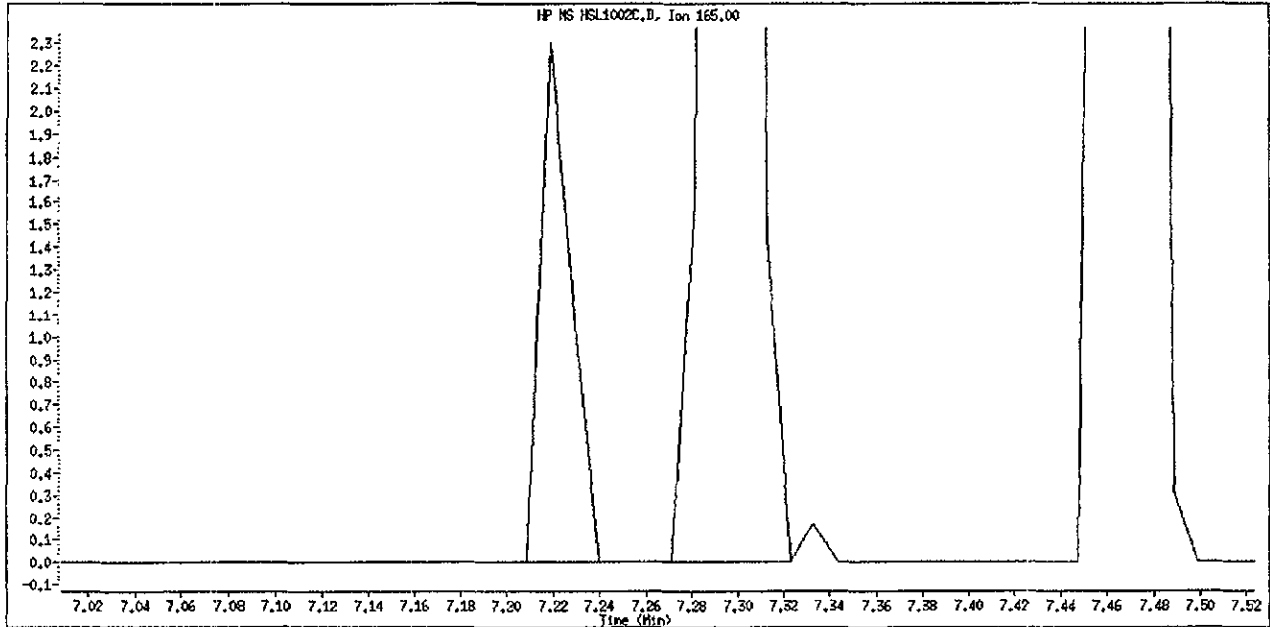
Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Wrong Peak

Data File Name: HSL1002C.D
Inj. Date and Time: 02-OCT-2010 13:18
Instrument ID: sv5.1
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 10/03/2010



Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002C.D
 Lab Smp Id: HSL 020 ug/ml CS-3 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 13:18
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL 020 ug/ml CS-3;1;;3;;;4
 Misc Info : 3;;0;1 8270STD.SUB;10MSSV0309;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 3 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SV5

Compounds	QUANT	SIG	AMOUNTS					
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)
* 1 1,4-Dichlorobenzene-d4	152		3.954	3.955	(1.000)	145926	40.0000	(Q)
* 2 Naphthalene-d8	136		5.364	5.374	(1.000)	625682	40.0000	
* 3 Acenaphthene-d10	164		7.467	7.468	(1.000)	328608	40.0000	
* 4 Phenanthrene-d10	188		9.405	9.405	(1.000)	525834	40.0000	
* 5 Chrysene-d12	240		13.779	13.779	(1.000)	590727	40.0000	
* 6 Perylene-d12	264		16.162	16.162	(1.000)	619266	40.0000	
\$ 7 2-Fluorophenol	112		2.732	2.732	(0.691)	100961	20.0000	18.75
\$ 8 Phenol-d5	99		3.612	3.613	(0.914)	127066	20.0000	18.55
\$ 9 2-Chlorophenol-d4	132		3.747	3.758	(0.948)	112302	20.0000	19.23
\$ 10 1,2-Dichlorobenzene-d4	152		4.162	4.162	(1.052)	72837	20.0000	19.98 (q)
\$ 11 Nitrobenzene-d5	82		4.576	4.576	(0.853)	103440	20.0000	18.64
\$ 12 2-Fluorobiphenyl	172		6.680	6.680	(0.895)	209764	20.0000	19.93
\$ 13 2,4,6-Tribromophenol	330		8.473	8.473	(1.135)	28698	20.0000	22.12
\$ 14 Terphenyl-d14	244		12.017	12.017	(0.872)	218324	20.0000	18.95
15 N-Nitrosodimethylamine	74		1.706	1.706	(0.431)	66431	20.0000	18.69
16 Pyridine	79		1.726	1.726	(0.437)	116339	20.0000	19.64
23 Aniline	93		3.654	3.654	(0.924)	160510	20.0000	18.69
24 Phenol	94		3.623	3.623	(0.916)	147994	20.0000	20.32
26 Bis(2-chloroethyl)ether	93		3.716	3.716	(0.940)	101777	20.0000	18.39
27 2-Chlorophenol	128		3.768	3.768	(0.953)	114481	20.0000	19.86
28 1,3-Dichlorobenzene	146		3.913	3.923	(0.990)	122398	20.0000	19.22
29 1,4-Dichlorobenzene	146		3.975	3.975	(1.005)	126965	20.0000	19.72
30 Benzyl Alcohol	108		4.120	4.120	(1.042)	72366	20.0000	18.27
31 1,2-Dichlorobenzene	146		4.172	4.172	(1.055)	117073	20.0000	19.18
32 2-Methylphenol	108		4.255	4.255	(1.076)	101499	20.0000	18.85
33 2,2'-oxybis(1-Chloropropane)	45		4.296	4.297	(1.086)	166596	20.0000	16.22
34 4-Methylphenol	108		4.421	4.421	(1.118)	106723	20.0000	18.60
36 Hexachloroethane	117		4.504	4.504	(1.139)	44196	20.0000	19.45
37 N-Nitrosodimethylamine	70		4.441	4.442	(1.123)	73913	20.0000	18.40
42 Nitrobenzene	77		4.597	4.597	(0.857)	101809	20.0000	18.46
44 Isophorone	82		4.856	4.856	(0.905)	191333	20.0000	18.30
45 2-Nitrophenol	139		4.960	4.960	(0.925)	58938	20.0000	19.57
46 2,4-Dimethylphenol	107		5.011	5.012	(0.934)	107325	20.0000	19.20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.956)	120646	20.0000	19.38
49 2,4-Dichlorophenol	162	5.229	5.229	(0.975)	84525	20.0000	20.54
50 Benzoic Acid	122	5.094	5.115	(0.950)	54506	20.0000	17.49
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.992)	89082	20.0000	19.97
52 Naphthalene	128	5.395	5.395	(1.006)	336100	20.0000	19.30
54 4-Chloroaniline	127	5.488	5.488	(1.023)	135348	20.0000	19.76
57 Hexachlorobutadiene	225	5.613	5.613	(1.046)	45138	20.0000	21.26
60 4-Chloro-3-Methylphenol	107	6.068	6.069	(1.131)	90970	20.0000	19.21
63 2-Methylnaphthalene	142	6.203	6.203	(1.156)	212981	20.0000	20.04
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	47478	20.0000	18.94
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	49658	20.0000	19.96 (Q)
70 2,4,5-Trichlorophenol	196	6.576	6.628	(0.881)	49658	20.0000	18.17 (Q)
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	180754	20.0000	19.62
73 2-Nitroaniline	65	6.949	6.949	(0.931)	54872	20.0000	17.78
76 Dimethylphthalate	163	7.219	7.229	(0.967)	213272	20.0000	20.04
77 Acenaphthylene	152	7.281	7.281	(0.975)	315165	20.0000	19.57
79 2,6-Dinitrotoluene	165	7.219	7.302	(0.967)	51125	20.0000	21.45 (Q)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	59114	20.0000	18.71
81 Acenaphthene	153	7.509	7.509	(1.006)	208228	20.0000	20.29
82 2,4-Dinitrophenol	184	7.571	7.571	(1.014)	23799	20.0000	19.22
83 Dibenzofuran	168	7.695	7.706	(1.031)	271431	20.0000	20.02
84 4-Nitrophenol	109	7.675	7.675	(1.028)	25164	20.0000	18.24 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	63223	20.0000	19.81
91 Fluorene	166	8.131	8.131	(1.089)	220647	20.0000	19.86
92 Diethylphthalate	149	8.100	8.100	(1.085)	216140	20.0000	19.43
93 4-Chlorophenyl-phenylether	204	8.151	8.152	(1.092)	93468	20.0000	20.41
94 4-Nitroaniline	138	8.214	8.214	(1.100)	61333	20.0000	19.86
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	32982	20.0000	20.90
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	186206	23.4000	22.72
100 Azobenzene	77	8.348	8.348	(0.888)	203290	20.0000	17.83
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	50693	20.0000	19.95
108 Hexachlorobenzene	284	8.980	8.981	(0.955)	54528	20.0000	19.87
110 Pentachlorophenol	266	9.240	9.240	(0.982)	30451	20.0000	18.48
114 Phenanthrene	178	9.436	9.437	(1.003)	329718	20.0000	20.10
115 Anthracene	178	9.499	9.499	(1.010)	326558	20.0000	19.78
118 Carbazole	167	9.768	9.768	(1.039)	298921	20.0000	19.47
120 Di-n-Butylphthalate	149	10.462	10.463	(1.112)	358075	20.0000	19.29
126 Fluoranthene	202	11.302	11.302	(1.202)	308182	20.0000	20.88
127 Benzidine	184	11.571	11.571	(0.840)	222260	20.0000	18.32
128 Pyrene	202	11.665	11.665	(0.847)	345805	20.0000	18.72
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	198960	20.0000	19.11
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	174685	20.0000	18.51
138 Benzo (a) Anthracene	228	13.758	13.758	(0.998)	304948	20.0000	19.57
139 Chrysene	228	13.820	13.831	(1.003)	314030	20.0000	19.39
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	115458	20.0000	20.25
141 bis(2-ethylhexyl) Phthalate	149	14.110	14.110	(1.024)	248201	20.0000	19.10
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	400592	20.0000	19.28
144 Benzo (b) fluoranthene	252	15.582	15.582	(0.964)	256213	20.0000	17.45 (Q)
145 Benzo (k) fluoranthene	252	15.613	15.623	(0.966)	371629	20.0000	21.66 (q)
147 Benzo (e) pyrene	252	15.996	16.007	(0.990)	281015	20.0000	19.30
148 Benzo (a) pyrene	252	16.069	16.079	(0.994)	307781	20.0000	19.26
151 Indeno (1,2,3-cd) pyrene	276	17.789	17.800	(1.101)	228110	20.0000	16.13
152 Dibenzo (a, h) anthracene	278	17.841	17.841	(1.104)	270172	20.0000	18.64
153 Benzo (g, h, i) perylene	276	18.224	18.235	(1.128)	301520	20.0000	19.41

Compounds	QUANT SIG	RT	EXP RT	RBL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
*****	****	====	=====	=====	=====	=====	
M 162 benzo b,k Fluoranthene Totals	252				627842	20.0000	19.72 (A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: HSL1002C.D
 Lab Smp Id: HSL 020 ug/ml CS-3
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0309;0;8270F.M

Calibration Date: 02-OCT-2010
 Calibration Time: 13:44
 Client Smp ID: 8270F.M
 Level:
 Sample Type:

Test Mode: Use Initial Calibration Level 4.

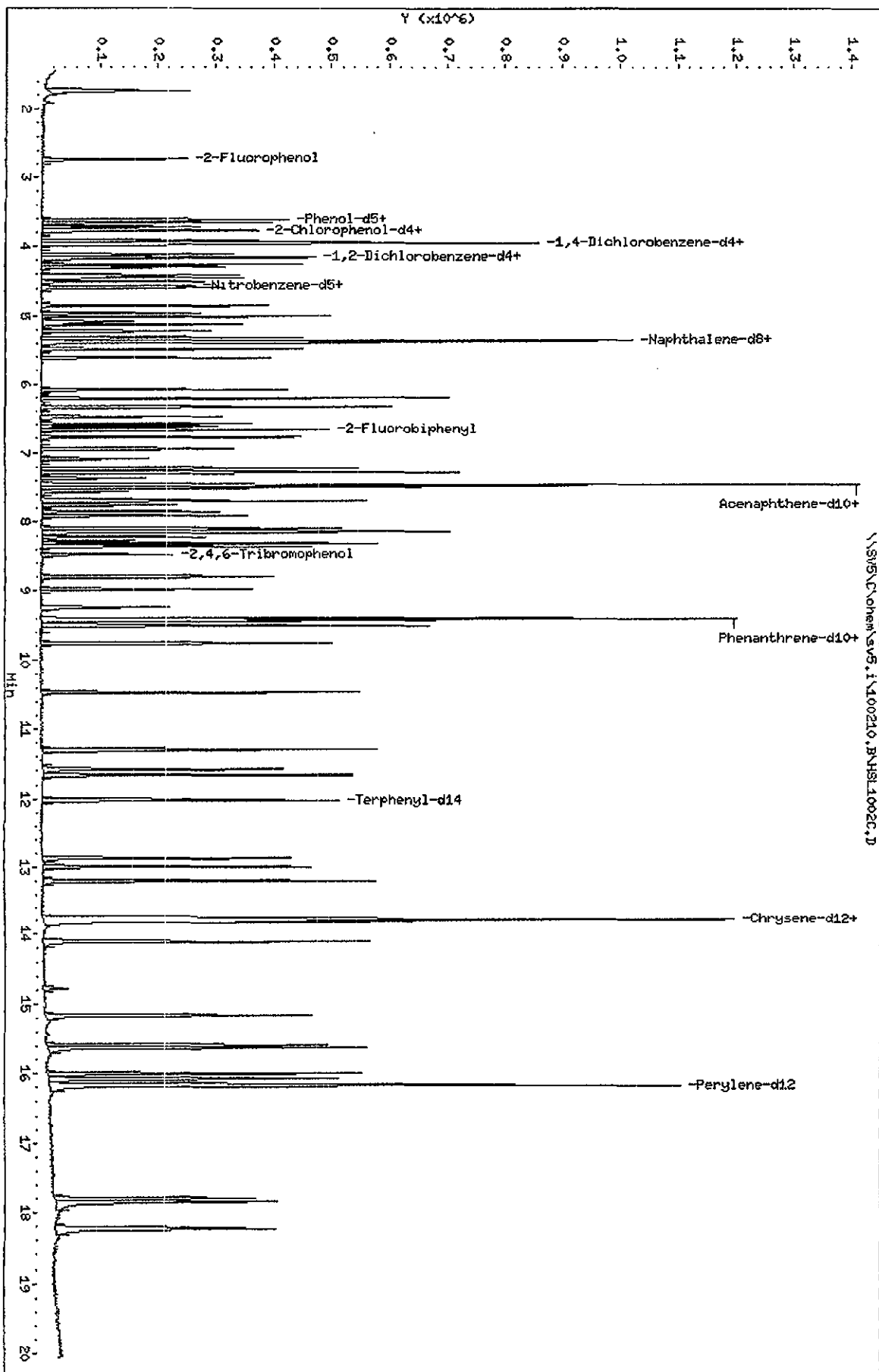
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	145926	19.00
2 Naphthalene-d8	530514	265257	1061028	625682	17.94
3 Acenaphthene-d10	282538	141269	565076	328608	16.31
4 Phenanthrene-d10	462722	231361	925444	525834	13.64
5 Chrysene-d12	435850	217925	871700	590727	35.53
6 Perylene-d12	422284	211142	844568	619266	46.65

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.95	-0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.36	-0.20
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	-0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	-0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	-0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.1\100210.B\HSL1002C.D
Date: 02-OCT-2010 13:18
Client ID: 8270F.JH
Sample Info: HSL_020 ug/ml CS-3:1;3;3;3;4
Column phase: 1

Instrument: sv5.1
Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002D.D
 Lab Smp Id: HSL 050 ug/ml CS-4 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 13:44
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL 050 ug/ml CS-4;1;;4;;;4
 Misc Info : 3;;0;1 8270STD.SUB;10MSSV0310;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 4 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SACP307UM

Compounds	QUANT	SIG	AMOUNTS				ON-COL	
			MASS	RT	EXP RT	REL RT		RESPONSE
* 1 1,4-Dichlorobenzene-d4	152		3.955	3.955	(1.000)	122625	40.0000	
* 2 Naphthalene-d8	136		5.374	5.374	(1.000)	530514	40.0000	
* 3 Acenaphthene-d10	164		7.468	7.468	(1.000)	282538	40.0000	
* 4 Phenanthrene-d10	188		9.405	9.405	(1.000)	462722	40.0000	
* 5 Chrysene-d12	240		13.779	13.779	(1.000)	435850	40.0000	
* 6 Perylene-d12	264		16.162	16.162	(1.000)	422284	40.0000	
\$ 7 2-Fluorophenol	112		2.732	2.732	(0.691)	220986	50.0000	51.13
\$ 8 Phenol-d5	99		3.613	3.613	(0.914)	274382	50.0000	50.48
\$ 9 2-Chlorophenol-d4	132		3.758	3.758	(0.950)	244352	50.0000	51.19
\$ 10 1,2-Dichlorobenzene-d4	152		4.162	4.162	(1.052)	151616	50.0000	50.20
\$ 11 Nitrobenzene-d5	82		4.576	4.576	(0.852)	226162	50.0000	50.33
\$ 12 2-Fluorobiphenyl	172		6.680	6.680	(0.895)	473978	50.0000	52.08
\$ 13 2,4,6-Tribromophenol	330		8.473	8.473	(1.135)	63311	50.0000	51.57
\$ 14 Terphenyl-d14	244		12.017	12.017	(0.872)	438253	50.0000	51.05
15 N-Nitrosodimethylamine	74		1.706	1.706	(0.431)	140972	50.0000	49.90 (M)
16 Pyridine	79		1.726	1.726	(0.437)	240053	50.0000	50.81 (M)
23 Aniline	93		3.654	3.654	(0.924)	346504	50.0000	50.08
24 Phenol	94		3.623	3.623	(0.916)	311820	50.0000	49.93
26 Bis(2-chloroethyl)ether	93		3.716	3.716	(0.940)	220455	50.0000	50.34
27 2-Chlorophenol	128		3.768	3.768	(0.953)	242442	50.0000	50.57
28 1,3-Dichlorobenzene	146		3.923	3.923	(0.992)	265384	50.0000	50.82
29 1,4-Dichlorobenzene	146		3.975	3.975	(1.005)	271151	50.0000	49.66
30 Benzyl Alcohol	108		4.120	4.120	(1.042)	160914	50.0000	49.94
31 1,2-Dichlorobenzene	146		4.172	4.172	(1.055)	257606	50.0000	51.32
32 2-Methylphenol	108		4.255	4.255	(1.076)	218610	50.0000	49.86
33 2,2'-oxybis(1-Chloropropane)	45		4.297	4.297	(1.086)	349371	50.0000	50.12
34 4-Methylphenol	108		4.421	4.421	(1.118)	233354	50.0000	50.11
36 Hexachloroethane	117		4.504	4.504	(1.139)	94106	50.0000	50.62
37 N-Nitrosodipropylamine	70		4.442	4.442	(1.123)	156914	50.0000	50.59
42 Nitrobenzene	77		4.597	4.597	(0.855)	219387	50.0000	49.95
44 Isophorone	82		4.856	4.856	(0.904)	420061	50.0000	49.74
45 2-Nitrophenol	139		4.960	4.960	(0.923)	132771	50.0000	50.95
46 2,4-Dimethylphenol	107		5.012	5.012	(0.933)	231517	50.0000	50.00

10-3-10

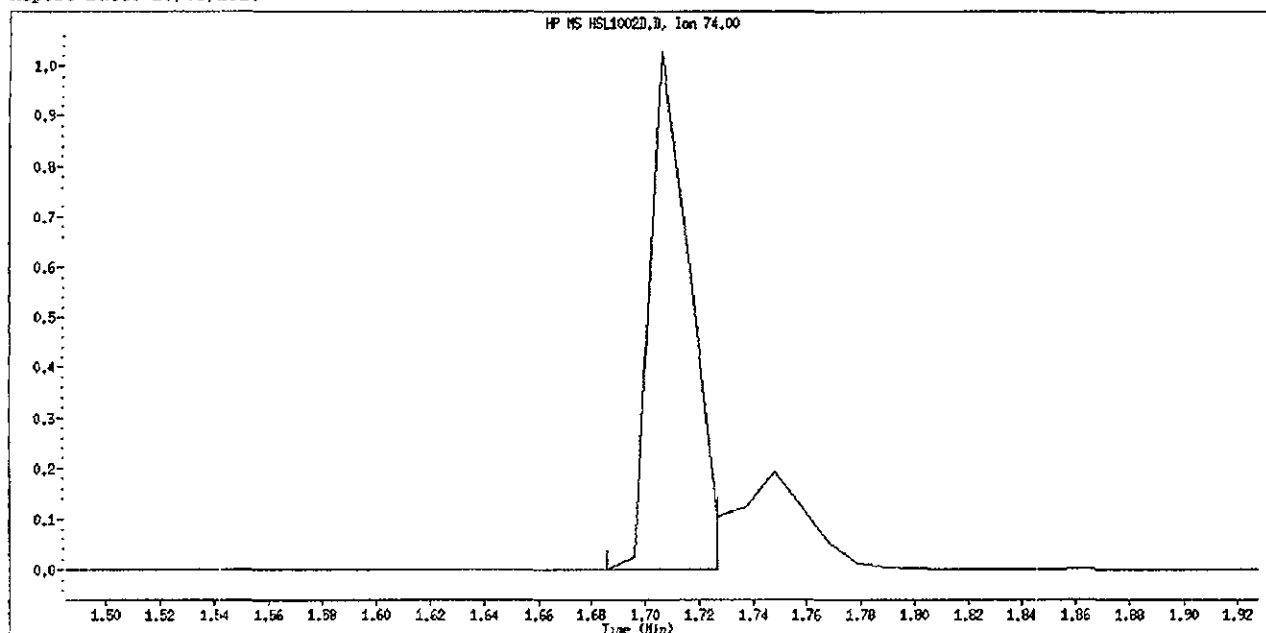
Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	253648	50.0000	49.15
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	179296	50.0000	50.05
50 Benzoic Acid	122	5.115	5.115	(0.952)	128366	50.0000	50.08
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	197265	50.0000	50.86
52 Naphthalene	128	5.395	5.395	(1.004)	724980	50.0000	49.49
54 4-Chloroaniline	127	5.488	5.488	(1.021)	291184	50.0000	50.72
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	95592	50.0000	50.36
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	205388	50.0000	51.34
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	464646	50.0000	50.50
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	104908	50.0000	49.76
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	113001	50.0000	50.13
70 2,4,5-Trichlorophenol	196	6.628	6.628	(0.888)	128196	50.0000	52.79
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	403257	50.0000	50.72
73 2-Nitroaniline	65	6.949	6.949	(0.931)	124335	50.0000	51.59
76 Dimethylphthalate	163	7.229	7.229	(0.968)	475258	50.0000	51.91
77 Acenaphthylene	152	7.281	7.281	(0.975)	712158	50.0000	51.43
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	110261	50.0000	51.69
80 3-Nitroaniline	138	7.447	7.447	(0.997)	141396	50.0000	53.11
81 Acenaphthene	153	7.509	7.509	(1.006)	448691	50.0000	50.90
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	58864	50.0000	47.37
83 Dibenzofuran	168	7.706	7.706	(1.032)	598735	50.0000	51.18
84 4-Nitrophenol	109	7.675	7.675	(1.028)	56777	50.0000	51.41
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	148875	50.0000	53.18
92 Fluorene	166	8.131	8.131	(1.089)	494097	50.0000	51.01
92 Diethylphthalate	149	8.100	8.100	(1.085)	487067	50.0000	51.96
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	209308	50.0000	51.97
94 4-Nitroaniline	138	8.214	8.214	(1.100)	135397	50.0000	51.31
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	76137	50.0000	46.58
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	409666	58.6000	58.41
100 Azobenzene	77	8.348	8.348	(0.888)	459960	50.0000	50.55
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	115283	50.0000	51.04
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	124963	50.0000	49.54
110 Pentachlorophenol	266	9.240	9.240	(0.982)	67882	50.0000	45.48
114 Phenanthrene	178	9.437	9.437	(1.003)	718164	50.0000	49.24
115 Anthracene	178	9.499	9.499	(1.010)	728681	50.0000	50.01
118 Carbazole	167	9.768	9.768	(1.039)	660885	50.0000	49.65
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	799142	50.0000	49.90
126 Fluoranthene	202	11.302	11.302	(1.202)	639252	50.0000	48.92
127 Benzidine	184	11.571	11.571	(0.840)	450332	50.0000	50.98
128 Pyrene	202	11.665	11.665	(0.847)	701084	50.0000	51.46
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	385489	50.0000	49.44
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	340978	50.0000	49.94
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	569271	50.0000	49.03
139 Chrysene	228	13.831	13.831	(1.004)	597685	50.0000	50.33
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	217413	50.0000	49.65
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	464144	50.0000	49.35
142 Di-n-octylphthalate	149	15.167	15.167	(1.101)	732406	50.0000	48.72
144 Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	527487	50.0000	55.18
145 Benzo(k)fluoranthene	252	15.623	15.623	(0.967)	580084	50.0000	47.27
147 Benzo(e)pyrene	252	16.007	16.007	(0.990)	506622	50.0000	50.82
148 Benzo(a)pyrene	252	16.079	16.079	(0.995)	542578	50.0000	50.06
151 Indeno(1,2,3-cd)pyrene	276	17.800	17.800	(1.101)	447085	50.0000	51.00 (M)
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	486893	50.0000	49.72
153 Benzo(g,h,i)perylene	276	18.235	18.235	(1.126)	527720	50.0000	49.77

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
=====	=====		====	=====	=====	=====	=====	=====
M 162 benzo b,k Fluoranthene Totals	252					1107571	50.0000	50.74 (A)

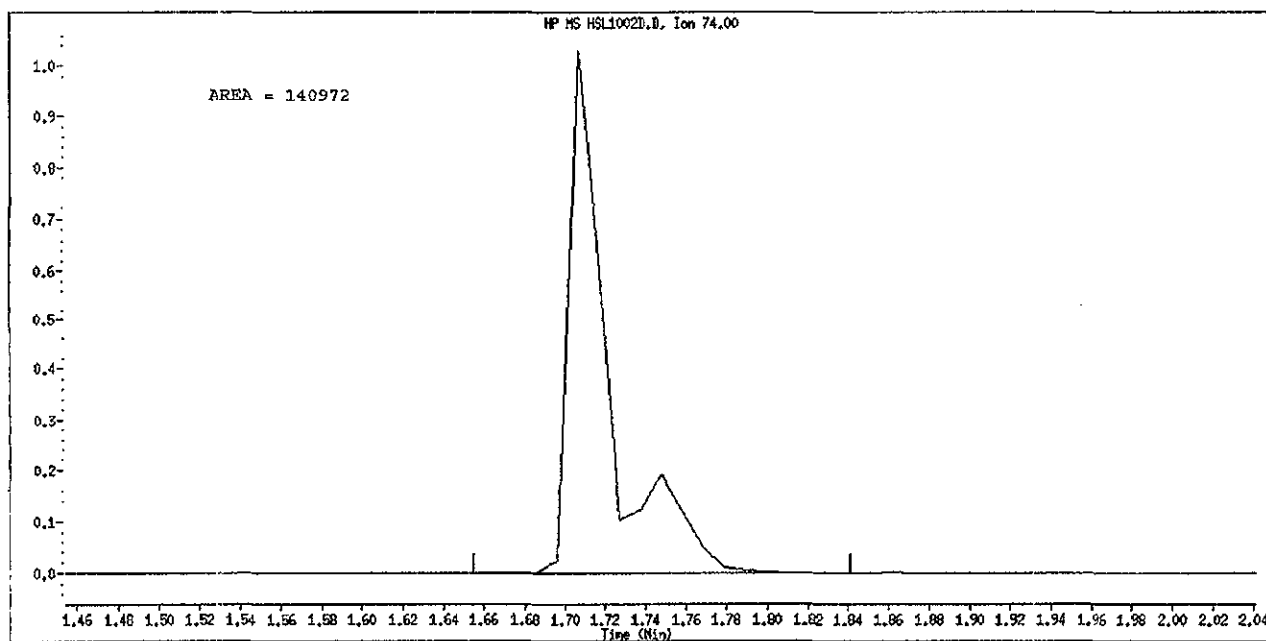
QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File Name: HSL1002D.D
Inj. Date and Time: 02-OCT-2010 13:44
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 10/03/2010



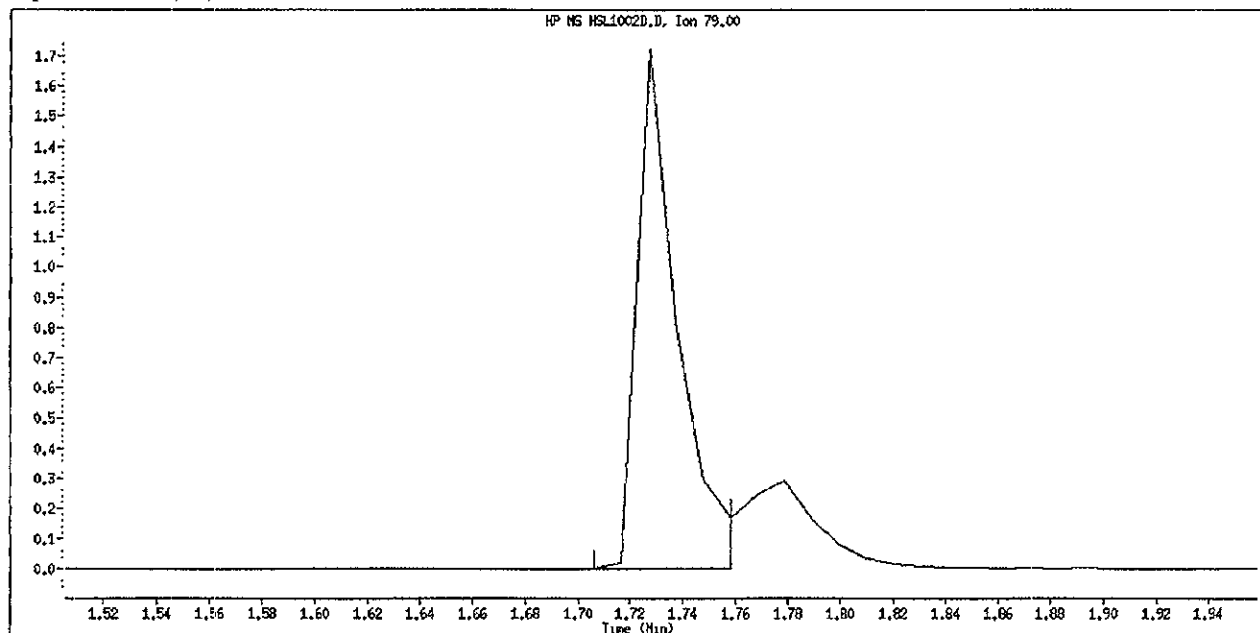
Original Integration



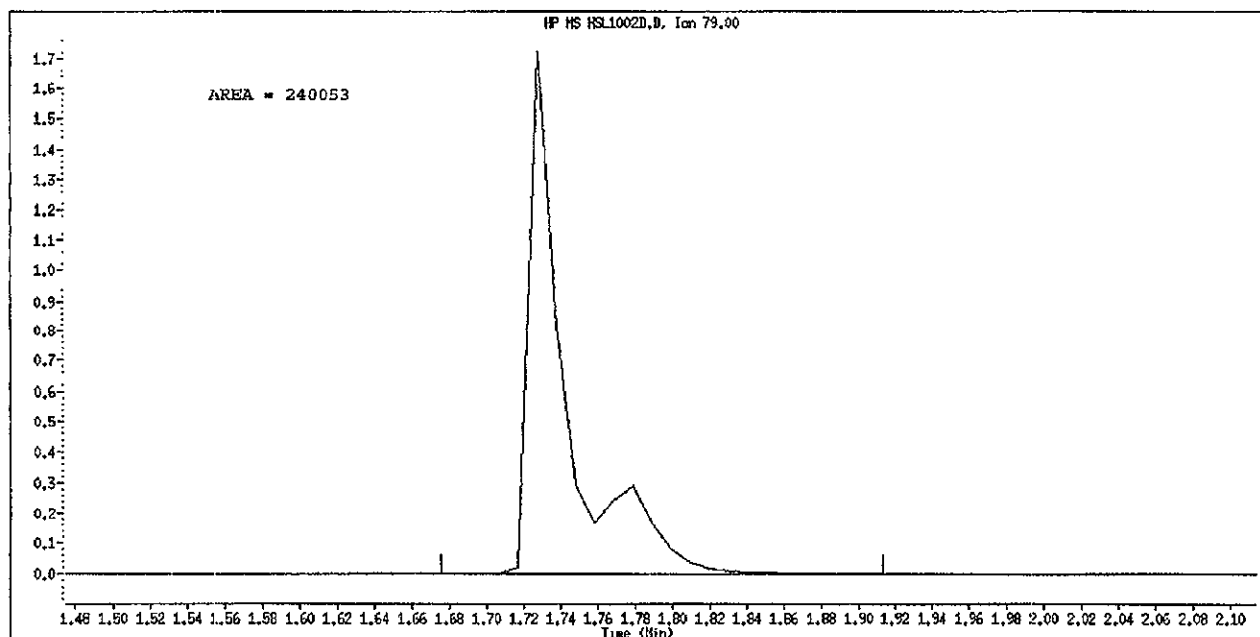
Manual Integration

Manually Integrated By: truonk
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1002D.D
Inj. Date and Time: 02-OCT-2010 13:44
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 10/03/2010



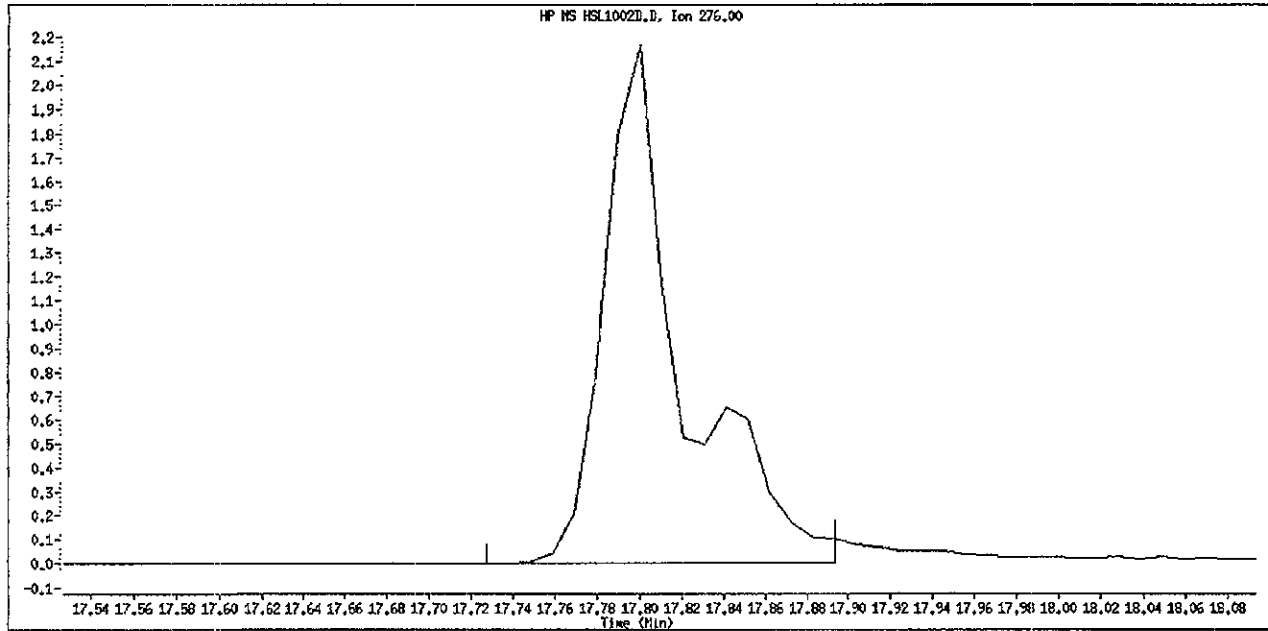
Original Integration



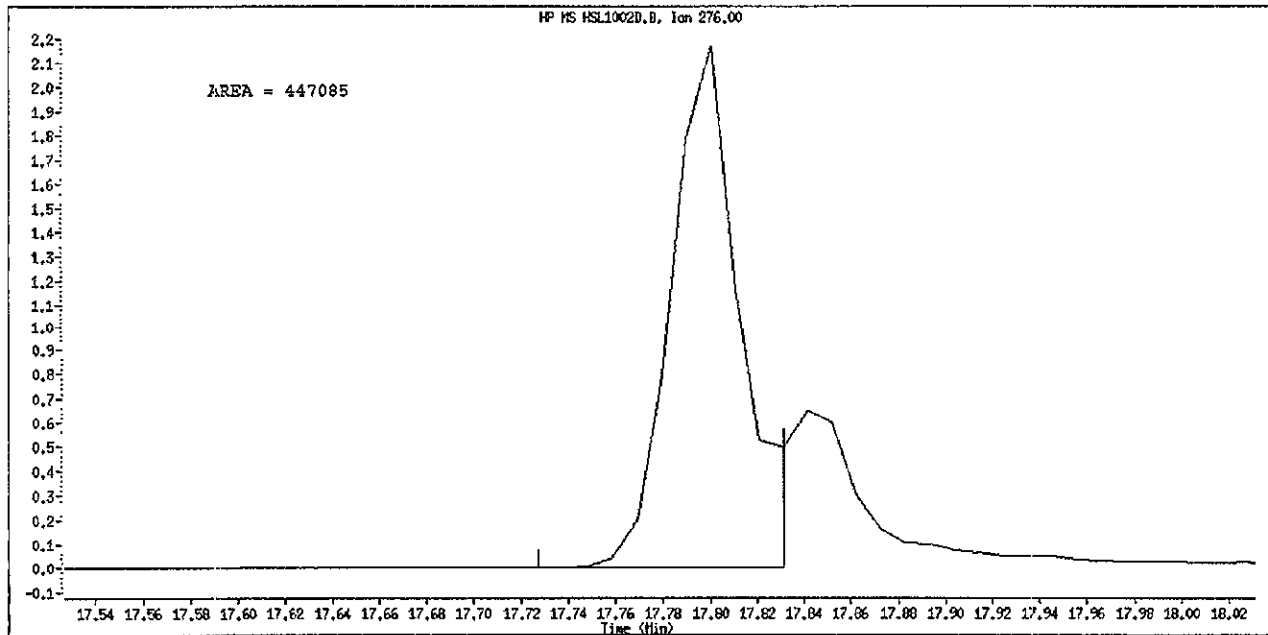
Manual Integration

Manually Integrated By: truonk
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1002D.D
Inj. Date and Time: 02-OCT-2010 13:44
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truonk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002D.D
 Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 13:44
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL_050 ug/ml CS-4;1;;4;;;4
 Misc Info : 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 4 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SV5

Compounds	QUANT	SIG	AMOUNTS					ON-COL
			MASS	RT	EXP RT	REL RT	RESPONSE	
* 1 1,4-Dichlorobenzene-d4	152		3.955	3.955	(1.000)	122625	40.0000	
* 2 Naphthalene-d8	136		5.374	5.374	(1.000)	530514	40.0000	
* 3 Acenaphthene-d10	164		7.468	7.468	(1.000)	282538	40.0000	
* 4 Phenanthrene-d10	188		9.405	9.405	(1.000)	462722	40.0000	
* 5 Chrysene-d12	240		13.779	13.779	(1.000)	435850	40.0000	
* 6 Perylene-d12	264		16.162	16.162	(1.000)	422284	40.0000	
\$ 7 2-Fluoropheno.	112		2.732	2.732	(0.691)	220986	50.0000	48.83
\$ 8 Phenol-d5	99		3.613	3.613	(0.914)	274382	50.0000	47.67
\$ 9 2-Chlorophenol-d4	132		3.758	3.758	(0.950)	244352	50.0000	49.80
\$ 10 1,2-Dichlorobenzene-d4	152		4.162	4.162	(1.052)	151616	50.0000	49.50
\$ 11 Nitrobenzene-d5	82		4.576	4.576	(0.852)	226162	50.0000	48.07
\$ 12 2-Fluorobiphenyl	172		6.680	6.680	(0.895)	473978	50.0000	52.38
\$ 13 2,4,6-Tribromophenol	330		8.473	8.473	(1.135)	63311	50.0000	56.75
\$ 14 Terphenyl-d14	244		12.017	12.017	(0.872)	438253	50.0000	51.56
15 N-Nitrosodimethylamine	74		1.706	1.706	(0.431)	105836	50.0000	35.43
16 Pyridine	79		1.726	1.726	(0.437)	182664	50.0000	36.70
23 Aniline	93		3.654	3.654	(0.924)	346504	50.0000	48.01
24 Phenol	94		3.623	3.623	(0.916)	311820	50.0000	50.94
26 Bis(2-chloroethyl)ether	93		3.716	3.716	(0.940)	220455	50.0000	47.40
27 2-Chlorophenol	128		3.768	3.768	(0.953)	242442	50.0000	50.05
28 1,3-Dichlorobenzene	146		3.923	3.923	(0.992)	265384	50.0000	49.58
29 1,4-Dichlorobenzene	146		3.975	3.975	(1.005)	271151	50.0000	50.11
30 Benzyl Alcohol	108		4.120	4.120	(1.042)	160914	50.0000	48.35
31 1,2-Dichlorobenzene	146		4.172	4.172	(1.055)	257606	50.0000	50.23
32 2-Methylphenol	108		4.255	4.255	(1.076)	218610	50.0000	48.31
33 2,2'-oxybis(1-Chloropropane)	45		4.297	4.297	(1.086)	349371	50.0000	40.48
34 4-Methylphenol	108		4.421	4.421	(1.118)	233354	50.0000	48.39
36 Hexachloroethane	117		4.504	4.504	(1.139)	94106	50.0000	49.29
37 N-Nitrosodipropylamine	70		4.442	4.442	(1.123)	156914	50.0000	46.48
42 Nitrobenzene	77		4.597	4.597	(0.855)	219387	50.0000	46.91
44 Isophorone	82		4.856	4.856	(0.904)	420061	50.0000	47.38
45 2-Nitrophenol	139		4.960	4.960	(0.923)	132771	50.0000	52.00
46 2,4-Dimethylphenol	107		5.012	5.012	(0.933)	231517	50.0000	48.84

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	253648	50.0000	48.05
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	179296	50.0000	51.39
50 Benzoic Acid	122	5.115	5.115	(0.952)	128366	50.0000	48.58
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	197265	50.0000	52.15
52 Naphthalene	128	5.395	5.395	(1.004)	724980	50.0000	49.10
54 4-Chloroaniline	127	5.488	5.488	(1.021)	291184	50.0000	50.12
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	95592	50.0000	53.11
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	205388	50.0000	51.16
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	464646	50.0000	51.57
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	104908	50.0000	48.68
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	113001	50.0000	52.83
70 2,4,5-Trichlorophenol	196	6.628	6.628	(0.888)	128196	50.0000	54.56
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	403257	50.0000	50.91
73 2-Nitroaniline	65	6.949	6.949	(0.931)	124335	50.0000	46.87
76 Dimethylphthalate	163	7.229	7.229	(0.968)	475258	50.0000	51.95
77 Acenaphthylene	152	7.281	7.281	(0.975)	712158	50.0000	51.43
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	110261	50.0000	53.82
80 3-Nitroaniline	138	7.447	7.447	(0.997)	141396	50.0000	52.05
81 Acenaphthene	153	7.509	7.509	(1.006)	448691	50.0000	50.85
82 2,4-Dinitrophenol	184	7.571	7.571	(1.014)	58864	50.0000	48.70
83 Dibenzofuran	168	7.706	7.706	(1.032)	598735	50.0000	51.36
84 4-Nitrophenol	109	7.675	7.675	(1.028)	55777	50.0000	47.87
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	148875	50.0000	54.24
91 Fluorene	166	8.131	8.131	(1.069)	494097	50.0000	51.73
92 Diethylphthalate	149	8.100	8.100	(1.085)	487067	50.0000	50.93
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	209308	50.0000	53.15
94 4-Nitroaniline	138	8.214	8.214	(1.100)	135397	50.0000	50.99
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	76137	50.0000	46.45
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	409666	58.6000	56.82
100 Azobenzene	77	8.348	8.348	(0.888)	459960	50.0000	45.85
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	115283	50.0000	51.56
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	124963	50.0000	51.74
110 Pentachlorophenol	266	9.240	9.240	(0.982)	67882	50.0000	46.83
114 Phenanthrene	178	9.437	9.437	(1.003)	718164	50.0000	49.76
115 Anthracene	178	9.499	9.499	(1.010)	728681	50.0000	50.17
118 Carbazole	167	9.768	9.768	(1.039)	660885	50.0000	48.92
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	799142	50.0000	48.91
126 Fluoranthene	202	11.302	11.302	(1.202)	639252	50.0000	49.21
127 Benzidine	184	11.571	11.571	(0.840)	450332	50.0000	50.32
128 Pyrene	202	11.665	11.665	(0.847)	701084	50.0000	51.44
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	385489	50.0000	50.19
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	340978	50.0000	48.97
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	569271	50.0000	49.51
139 Chrysene	228	13.831	13.831	(1.004)	597685	50.0000	50.03
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	217413	50.0000	51.67
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	464144	50.0000	48.41
142 Di-n-octylphthalate	149	15.167	15.167	(1.101)	732406	50.0000	47.78
144 Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	527487	50.0000	52.68
145 Benzo(k)fluoranthene	252	15.623	15.623	(0.967)	580084	50.0000	49.57
147 Benzo(e)pyrene	252	16.007	16.007	(0.990)	506622	50.0000	51.04
148 Benzo(a)pyrene	252	16.079	16.079	(0.995)	542578	50.0000	49.78
151 Indeno(1,2,3-cd)pyrene	276	17.800	17.800	(1.101)	564014	50.0000	58.49
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	486893	50.0000	49.27
153 Benzo(g,h,i)perylene	276	18.235	18.235	(1.128)	527720	50.0000	49.81

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (NG)	ON-COL (NG)
=====	=====	=====	=====	=====	=====	=====	=====	=====
M 162 benzo b,k Fluoranthene Totals	252					1107571	50.0000	51.00 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: HSL1002D.D
 Lab Smp Id: HSL 050 ug/ml CS-4
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 02-OCT-2010
 Calibration Time: 13:44
 Client Smp ID: 8270F.M
 Level:
 Sample Type:

Test Mode:
 Use Initial Calibration Level 4.

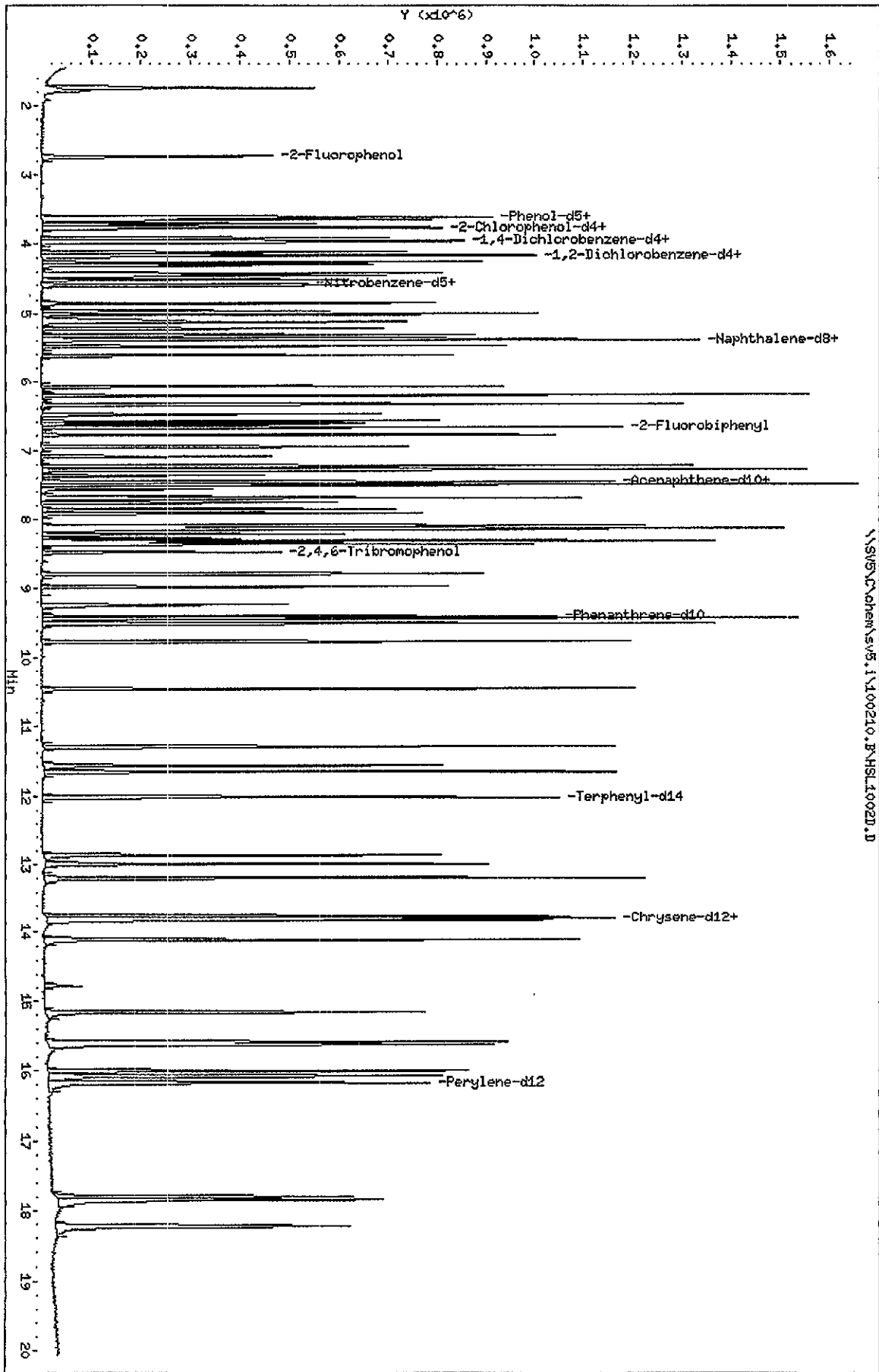
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	122625	0.00
2 Naphthalene-d8	530514	265257	1061028	530514	0.00
3 Acenaphthene-d10	282538	141269	565076	282538	0.00
4 Phenanthrene-d10	462722	231361	925444	462722	0.00
5 Chrysene-d12	435850	217925	871700	435850	0.00
6 Perylene-d12	422284	211142	844568	422284	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SW5\chem\sv5.1\100210.B\HSL1002D.J
 Date: 02-OCT-2010 13:44
 Client ID: 8270F.H
 Sample Info: HSL_050 ug/ml CS-4111111114
 Column phases:

Instrument: sv5.i
 Operator: KT
 Column diameter: 2.00



\\SW5\chem\sv5.1\100210.B\HSL1002D.J

TestAmerica West Sacramento

Method 8270C
 Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002E.D
 Lab Smp Id: HSL_080 ug/ml CS-5 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 14:09
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL_080 ug/ml CS-5;1;;5;;;4
 Misc Info : 3;;0;1_8270STD.SUB;10MSSV0311;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 5 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SACP307UM

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152		3.954	3.955 (1.000)	126989	40.0000		(q)
* 2 Naphthalene-d8	136		5.374	5.374 (1.000)	553454	40.0000		
* 3 Acenaphthene-d10	164		7.468	7.468 (1.000)	300315	40.0000		
* 4 Phenanthrene-d10	188		9.405	9.405 (1.000)	477777	40.0000		
* 5 Chrysene-d12	240		13.789	13.779 (1.000)	486126	40.0000		
* 6 Perylene-d12	264		16.162	16.162 (1.000)	482782	40.0000		
\$ 7 2-Fluorophenol	112		2.742	2.732 (0.693)	364547	80.0000		81.44
\$ 8 Phenol-d5	99		3.612	3.613 (0.914)	459352	80.0000		81.61
\$ 9 2-Chlorophenol-d4	132		3.758	3.758 (0.950)	399981	80.0000		80.92
\$ 10 1,2-Dichlorobenzene-d4	152		4.162	4.162 (1.052)	252754	80.0000		80.82
\$ 11 Nitrobenzene-d5	82		4.587	4.576 (0.853)	371989	80.0000		79.35
\$ 12 2-Fluorobiphenyl	172		6.680	6.680 (0.895)	755916	80.0000		78.14
\$ 13 2,4,6-Tribromophenol	330		8.483	8.473 (1.136)	107063	80.0000		82.04
\$ 14 Terphenyl-d14	244		12.017	12.017 (0.871)	758812	80.0000		79.25
15 N-Nitrosodimethylamine	74		1.706	1.706 (0.431)	236570	80.0000		80.86 (q)
16 Pyridine	79		1.726	1.726 (0.437)	386806	80.0000		79.06 (Q)
23 Aniline	93		3.654	3.654 (0.924)	583513	80.0000		81.44 (Q)
24 Phenol	94		3.623	3.623 (0.916)	524930	80.0000		81.16 (Q)
26 Bis(2-chloroethyl) ether	93		3.716	3.716 (0.940)	362044	80.0000		79.83
27 2-Chlorophenol	128		3.768	3.768 (0.953)	398210	80.0000		80.21
28 1,3-Dichlorobenzene	146		3.923	3.923 (0.992)	428311	80.0000		79.20
29 1,4-Dichlorobenzene	146		3.975	3.975 (1.005)	452588	80.0000		80.04
30 Benzyl Alcohol	108		4.120	4.120 (1.042)	273768	80.0000		82.05
31 1,2-Dichlorobenzene	146		4.172	4.172 (1.055)	415025	80.0000		79.84
32 2-Methylphenol	108		4.255	4.255 (1.076)	369704	80.0000		81.43
33 2,2'-oxybis(1-Chloropropane)	45		4.296	4.297 (1.086)	576575	80.0000		79.88
34 4-Methylphenol	108		4.421	4.421 (1.118)	387704	80.0000		80.39
36 Hexachloroethane	117		4.504	4.504 (1.139)	153472	80.0000		79.72
37 N-Nitrosodipropylamine	70		4.442	4.442 (1.123)	265916	80.0000		82.78
42 Nitrobenzene	77		4.597	4.597 (0.855)	369479	80.0000		80.64
44 Isophorone	82		4.856	4.856 (0.904)	704520	80.0000		79.96
45 2-Nitrophenol	139		4.960	4.960 (0.923)	221628	80.0000		81.52
46 2,4-Dimethylphenol	107		5.011	5.012 (0.933)	385073	80.0000		79.72

10-3-10

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.954)	426158	80.0000	79.16
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	301897	80.0000	80.78
50 Benzoic Acid	122	5.125	5.115	(0.954)	232711	80.0000	87.04
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	323096	80.0000	79.84
52 Naphthalene	128	5.395	5.395	(1.004)	1216155	80.0000	79.58
54 4-Chloroaniline	127	5.488	5.488	(1.021)	484619	80.0000	80.91
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	159233	80.0000	80.41
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	335335	80.0000	80.35
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	781029	80.0000	81.36
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	181608	80.0000	81.05
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	194036	80.0000	80.98
70 2,4,5-Trichlorophenol	196	6.628	6.628	(0.888)	211635	80.0000	81.99
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	668023	80.0000	79.04
73 2-Nitroaniline	65	6.949	6.949	(0.931)	209144	80.0000	81.65
76 Dimethylphthalate	163	7.229	7.229	(0.968)	787815	80.0000	80.96
77 Acenaphthylene	152	7.281	7.281	(0.975)	1190475	80.0000	80.88
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	187961	80.0000	82.91
80 3-Nitroaniline	138	7.457	7.447	(0.999)	232287	80.0000	82.09
81 Acenaphthene	153	7.509	7.509	(1.006)	727612	80.0000	77.66
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	110384	80.0000	78.64
83 Dibenzofuran	168	7.706	7.706	(1.032)	991740	80.0000	79.76 (q)
84 4-Nitrophenol	109	7.675	7.675	(1.028)	102888	80.0000	87.65 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	246471	80.0000	82.83
91 Fluorene	166	8.131	8.131	(1.089)	834271	80.0000	81.03
92 Diethylphthalate	149	8.100	8.100	(1.085)	792071	80.0000	79.50
93 4-Chlorophenyl-phenylether	204	8.151	8.152	(1.092)	340608	80.0000	79.56
94 4-Nitroaniline	138	8.224	8.214	(1.101)	235541	80.0000	83.97
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	134784	80.0000	76.76
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	695826	93.7000	96.08
100 Azobenzene	77	8.348	8.348	(0.888)	765053	80.0000	81.43
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	187352	80.0000	80.33
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	207655	80.0000	79.72
110 Pentachlorophenol	266	9.240	9.240	(0.982)	126397	80.0000	78.86
114 Phenanthrene	178	9.437	9.437	(1.003)	1188468	80.0000	78.92
115 Anthracene	178	9.509	9.499	(1.011)	1218608	80.0000	81.00
118 Carbazole	167	9.768	9.768	(1.039)	1118637	80.0000	81.39
120 Di-n-Butylphthalate	149	10.462	10.463	(1.112)	1351860	80.0000	81.75
126 Fluoranthene	202	11.302	11.302	(1.202)	1107116	80.0000	82.05
127 Benzidine	184	11.571	11.571	(0.839)	799205	80.0000	81.12
128 Pyrene	202	11.665	11.665	(0.846)	1221015	80.0000	80.36
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.933)	715866	80.0000	82.31
136 Butylbenzylphthalate	149	12.991	12.991	(0.942)	598812	80.0000	78.63
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	1034950	80.0000	79.92
139 Chrysene	228	13.830	13.831	(1.003)	1040163	80.0000	78.52
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	392335	80.0000	80.33
141 bis(2-ethylhexyl) Phthalate	149	14.110	14.110	(1.023)	820296	80.0000	78.20
142 Di-n-octylphthalate	149	15.167	15.167	(1.100)	1354893	80.0000	80.80
144 Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	920884	80.0000	84.26 (Q)
145 Benzo(k)fluoranthene	252	15.623	15.623	(0.967)	1102899	80.0000	78.61 (q)
147 Benzo(e)pyrene	252	16.007	16.007	(0.990)	936566	80.0000	82.18
148 Benzo(a)pyrene	252	16.079	16.079	(0.995)	1039045	80.0000	83.86
151 Indeno(1,2,3-cd)pyrene	276	17.799	17.800	(1.101)	811625	80.0000	80.99
152 Dibenzo(a,h)anthracene	278	17.851	17.841	(1.105)	926841	80.0000	82.79
153 Benzo(g,h,i)perylene	276	18.235	18.235	(1.128)	982275	80.0000	81.04

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				2023783	80.0000	81.09 (A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002E.D
 Lab Smp Id: HSL 080 ug/ml CS-5 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 14:09
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL 080 ug/ml CS-5;1;;5;;;4
 Misc Info : 3;;0;1 8270STD.SUB;10MSSV0311;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 5 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SV5

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152		3.954	3.955	(1.000)	126989	40.0000	(g)
* 2 Naphthalene-d8	136		5.374	5.374	(1.000)	553454	40.0000	
* 3 Acenaphthene-d10	164		7.468	7.468	(1.000)	300315	40.0000	
* 4 Phenanthrene-d10	188		9.405	9.405	(1.000)	477777	40.0000	
* 5 Chrysene-d12	240		13.789	13.779	(1.000)	486126	40.0000	
* 6 Perylene-d12	264		16.162	16.162	(1.000)	482782	40.0000	
\$ 7 2-Fluoropheno.	112		2.742	2.732	(0.693)	364547	80.0000	77.78
\$ 8 Phenol-d5	99		3.612	3.613	(0.914)	459352	80.0000	77.07
\$ 9 2-Chloropheno.-d4	132		3.758	3.758	(0.950)	399981	80.0000	78.71
\$ 10 1,2-Dichlorobenzene-d4	152		4.162	4.162	(1.052)	252754	80.0000	79.68
\$ 11 Nitrobenzene-d5	82		4.587	4.576	(0.853)	371989	80.0000	75.79
\$ 12 2-Fluorobiphenyl	172		6.680	6.680	(0.895)	755916	80.0000	78.58
\$ 13 2,4,6-Tribromophenol	330		8.483	8.473	(1.136)	107063	80.0000	90.29
\$ 14 Terphenyl-d14	244		12.017	12.017	(0.871)	758812	80.0000	80.04
15 N-Nitrosodimethylamine	74		1.706	1.706	(0.431)	236570	80.0000	76.48
16 Pyridine	79		1.726	1.726	(0.437)	386806	80.0000	75.04
23 Aniline	93		3.654	3.654	(0.924)	583513	80.0000	78.07(Q)
24 Phenol	94		3.623	3.623	(0.916)	524930	80.0000	82.81(Q)
26 Bis(2-chloroethyl)ether	93		3.716	3.716	(0.940)	352044	80.0000	75.18
27 2-Chloropheno.	128		3.768	3.768	(0.953)	398210	80.0000	79.39
28 1,3-Dichlorobenzene	146		3.923	3.923	(0.992)	428311	80.0000	77.27
29 1,4-Dichlorobenzene	146		3.975	3.975	(1.005)	452588	80.0000	80.76
30 Benzyl Alcohol	108		4.120	4.120	(1.042)	273768	80.0000	79.43
31 1,2-Dichlorobenzene	146		4.172	4.172	(1.055)	415025	80.0000	78.14
32 2-Methylpheno.	108		4.255	4.255	(1.076)	369704	80.0000	78.90
33 2,2'-oxybis(1-Chloropropane)	45		4.296	4.297	(1.086)	576575	80.0000	64.50
34 4-Methylpheno.	108		4.421	4.421	(1.118)	387704	80.0000	77.63
36 Hexachloroethane	117		4.504	4.504	(1.139)	153472	80.0000	77.62
37 N-Nitrosodipropylamine	70		4.442	4.442	(1.123)	265916	80.0000	76.06
42 Nitrobenzene	77		4.597	4.597	(0.855)	369479	80.0000	75.74
44 Isophorone	82		4.856	4.856	(0.904)	704520	80.0000	76.17
45 2-Nitrophenol	139		4.960	4.960	(0.923)	221628	80.0000	83.21
46 2,4-Dimethylphenol	107		5.011	5.012	(0.933)	385073	80.0000	77.86

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93		5.125	5.126	(0.954)	426158	80.0000	77.39	
49 2,4-Dichlorophenol	162		5.229	5.229	(0.973)	301897	80.0000	82.94	
50 Benzoic Acid	122		5.125	5.115	(0.954)	232711	80.0000	84.41	
51 1,2,4-Trichlorobenzene	180		5.322	5.322	(0.990)	323096	80.0000	81.88	
52 Naphthalene	128		5.395	5.395	(1.004)	1216155	80.0000	78.94	
54 4-Chloroaniline	127		5.488	5.488	(1.021)	484619	80.0000	79.97	
57 Hexachlorobutadiene	225		5.613	5.613	(1.044)	159233	80.0000	84.81	
60 4-Chloro-3-Methylphenol	107		6.069	6.069	(1.129)	335335	80.0000	80.06	
63 2-Methylnaphthalene	142		6.203	6.203	(1.154)	781029	80.0000	63.09	
66 Hexachlorocyclopentadiene	237		6.483	6.483	(0.868)	181608	80.0000	79.29	
69 2,4,6-Trichlorophenol	196		6.576	6.576	(0.881)	194036	80.0000	85.34	
70 2,4,5-Trichlorophenol	196		6.628	6.628	(0.888)	211635	80.0000	84.74	
71 2-Chloronaphthalene	162		6.784	6.784	(0.908)	668023	80.0000	79.34	
73 2-Nitroaniline	65		6.949	6.949	(0.931)	209144	80.0000	74.17	
76 Dimethylphthalate	163		7.229	7.229	(0.968)	787815	80.0000	81.01	
77 Acenaphthylene	152		7.281	7.281	(0.975)	1190475	80.0000	80.88	
79 2,6-Dinitrotoluene	165		7.302	7.302	(0.978)	187961	80.0000	86.31	
80 3-Nitroaniline	138		7.457	7.447	(0.999)	232287	80.0000	80.44	
81 Acenaphthene	153		7.509	7.509	(1.006)	727612	80.0000	77.58	
82 2,4-Dinitrophenol	184		7.571	7.571	(1.014)	110384	80.0000	81.10	
83 Dibenzofuran	168		7.706	7.706	(1.032)	991740	80.0000	80.04 (q)	
84 4-Nitrophenol	109		7.675	7.675	(1.028)	102888	80.0000	81.61 (Q)	
86 2,4-Dinitrotoluene	165		7.768	7.768	(1.040)	246471	80.0000	84.49	
91 Fluorene	166		8.131	8.131	(1.089)	834271	80.0000	82.18	
92 Diethylphthalate	149		8.100	8.100	(1.085)	792071	80.0000	77.92	
93 4-Chlorophenyl-phenylether	204		8.151	8.152	(1.092)	340508	80.0000	81.38	
94 4-Nitroaniline	138		8.224	8.214	(1.101)	235541	80.0000	83.45	
97 4,6-Dinitro-2-methylphenol	198		8.276	8.276	(0.880)	134784	80.0000	75.96	
98 N-Nitrosodiphenylamine	169		8.317	8.317	(0.884)	695826	93.7000	93.46	
100 Azobenzene	77		8.348	8.348	(0.888)	765053	80.0000	73.86	
101 4-Bromophenyl-phenylether	248		8.794	8.794	(0.935)	187352	80.0000	81.15	
108 Hexachlorobenzene	284		8.981	8.981	(0.955)	207655	80.0000	83.28	
110 Pentachlorophenol	266		9.240	9.240	(0.982)	126397	80.0000	84.45	
114 Phenanthrene	178		9.437	9.437	(1.003)	1188468	80.0000	79.75	
115 Anthracene	178		9.509	9.499	(1.011)	1218608	80.0000	81.25	
118 Carbazole	167		9.768	9.768	(1.039)	1118637	80.0000	80.19	
120 Di-n-Butylphthalate	149		10.462	10.463	(1.112)	1351860	80.0000	80.14	
126 Fluoranthene	202		11.302	11.302	(1.202)	1107116	80.0000	82.54	
127 Benzidine	184		11.571	11.571	(0.839)	799205	80.0000	80.06	
128 Pyrene	202		11.665	11.665	(0.846)	1221015	80.0000	80.33	
134 3,3'-dimethylbenzidine	212		12.867	12.867	(0.933)	715866	80.0000	83.56	
136 Butylbenzylphthalate	149		12.991	12.991	(0.942)	598812	80.0000	77.10	
138 Benzo(a)Anthracene	228		13.758	13.758	(0.998)	1034950	80.0000	80.70	
139 Chrysene	228		13.830	13.831	(1.003)	1040163	80.0000	78.06	
140 3,3'-Dichlorobenzidine	252		13.799	13.799	(1.001)	392335	80.0000	83.60	
141 bis(2-ethylhexyl) Phthalate	149		14.110	14.110	(1.023)	820296	80.0000	76.71	
142 Di-n-octylphthalate	149		15.167	15.167	(1.100)	1354893	80.0000	79.24	
144 Benzo(b)fluoranthene	252		15.582	15.582	(0.964)	920884	80.0000	80.44 (Q)	
145 Benzo(k)fluoranthene	252		15.623	15.623	(0.967)	1102899	80.0000	82.44 (q)	
147 Benzo(e)pyrene	252		16.007	16.007	(0.990)	936566	80.0000	82.53	
148 Benzo(a)pyrene	252		16.079	16.079	(0.995)	1039045	80.0000	83.39	
151 Indeno(1,2,3-cd)pyrene	276		17.799	17.800	(1.101)	811625	80.0000	73.52	
152 Dibenzo(a,h)anthracene	278		17.851	17.841	(1.105)	926841	80.0000	82.04	
153 Benzo(g,h,i)perylene	276		18.235	18.235	(1.128)	982275	80.0000	81.10	

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
-----	----		----	-----	-----	-----	-----	-----
M 162 benzo b,k Fluoranthene Totals	252					2023783	90.0000	81.52 (A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: HSL1002E.D
 Lab Smp Id: HSL 080 ug/ml CS-5
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0311;0;8270F.M

Calibration Date: 02-OCT-2010
 Calibration Time: 13:44
 Client Smp ID: 8270F.M
 Level:
 Sample Type:

Test Mode:
 Use Initial Calibration Level 4.

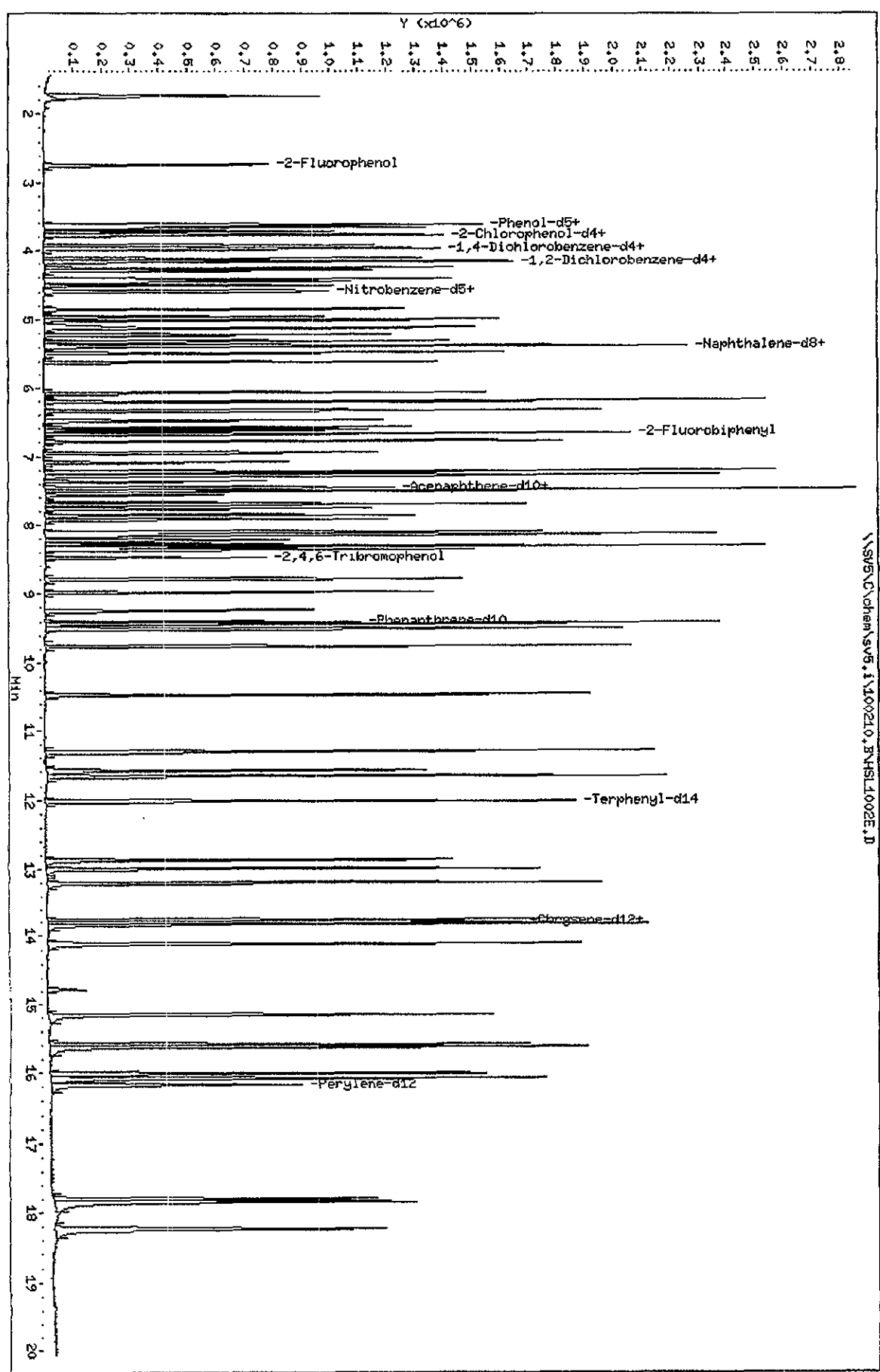
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	126989	3.56
2 Naphthalene-d8	530514	265257	1061028	553454	4.32
3 Acenaphthene-d10	282538	141269	565076	300315	6.29
4 Phenanthrene-d10	462722	231361	925444	477777	3.25
5 Chrysene-d12	435850	217925	871700	486126	11.54
6 Perylene-d12	422284	211142	844568	482782	14.33

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.95	-0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	-0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	-0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	-0.00
5 Chrysene-d12	13.78	13.28	14.28	13.79	0.07
6 Perylene-d12	16.16	15.66	16.66	16.16	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SVS\chem\sv5.1\100210.B\HSL1002E.D
 Date: 02-OCT-2010 14:09
 Client ID: 8270F.H
 Sample Info: HSL_080 ug/ml CS-5;1;5;1;4
 Column phase:

Instrument: sv5.1
 Operator: KT
 Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002F.D
 Lab Smp Id: HSL 120 ug/ml CS-6 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 14:35
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL 120 ug/ml CS-6;1;;6;;;4
 Misc Info : 3;;0;1 8270STD.SUB;10MSSV0312;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 6 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SACP307UM

Compounds	QUANT SIG	AMOUNTS					CAL-AMT (NG)	ON-COL (NG)
		MASS	RT	EXP RT	REL RT	RESPONSE		
* 1 1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	137751	40.0000	(Q)	
* 2 Naphthalene-c8	136	5.374	5.374	(1.000)	591665	40.0000		
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	322596	40.0000		
* 4 Phenanthrene-d10	188	9.406	9.405	(1.000)	515607	40.0000		
* 5 Chrysene-d12	240	13.789	13.779	(1.000)	509570	40.0000		
* 6 Perylene-d12	264	16.173	16.162	(1.000)	539588	40.0000		
\$ 7 2-Fluorophencl	112	2.732	2.732	(0.691)	588028	120.000	121.1	
\$ 8 Phenol-d5	99	3.613	3.613	(0.914)	759824	120.000	124.4	
\$ 9 2-Chlorophencl-d4	132	3.758	3.758	(0.950)	652805	120.000	121.7	
\$ 10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	407247	120.000	120.0	
\$ 11 Nitrobenzene-d5	82	4.587	4.576	(0.853)	623501	120.000	124.4	
\$ 12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	1255441	120.000	120.8	
\$ 13 2,4,6-Tribromophenol	330	8.483	8.473	(1.136)	179055	120.000	127.7	
\$ 14 Terphenyl-d14	244	12.017	12.017	(0.871)	1251844	120.000	124.7	
15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	388111	120.000	122.3 (q)	
16 Pyridine	79	1.727	1.726	(0.437)	633334	120.000	119.3 (Q)	
23 Aniline	93	3.654	3.654	(0.924)	964533	120.000	124.1 (Q)	
24 Phenol	94	3.623	3.623	(0.916)	851671	120.000	121.4 (Q)	
26 Bis(2-chloroethyl) ether	93	3.716	3.716	(0.940)	596323	120.000	121.2	
27 2-Chlorophencl	128	3.768	3.768	(0.953)	653244	120.000	121.3	
28 1,3-Dichlorobenzene	146	3.924	3.923	(0.992)	712032	120.000	121.4	
29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	740915	120.000	120.8	
30 Benzyl Alcohol	108	4.120	4.120	(1.042)	450249	120.000	124.4	
31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	679448	120.000	120.5	
32 2-Methylphencl	108	4.255	4.255	(1.076)	603987	120.000	122.6	
33 2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	941514	120.000	120.2	
34 4-Methylphencl	108	4.421	4.421	(1.118)	644202	120.000	123.1	
36 Hexachloroethane	117	4.504	4.504	(1.139)	245394	120.000	117.5	
37 N-Nitrosodipropylamine	70	4.452	4.442	(1.126)	428242	120.000	122.9	
42 Nitrobenzene	77	4.607	4.597	(0.857)	593736	120.000	121.2	
44 Isophorone	82	4.867	4.856	(0.906)	1179801	120.000	125.2	
45 2-Nitrophenol	139	4.960	4.960	(0.923)	367467	120.000	126.4	
46 2,4-Dimethylphenol	107	5.012	5.012	(0.933)	638328	120.000	123.6	

10-3-10

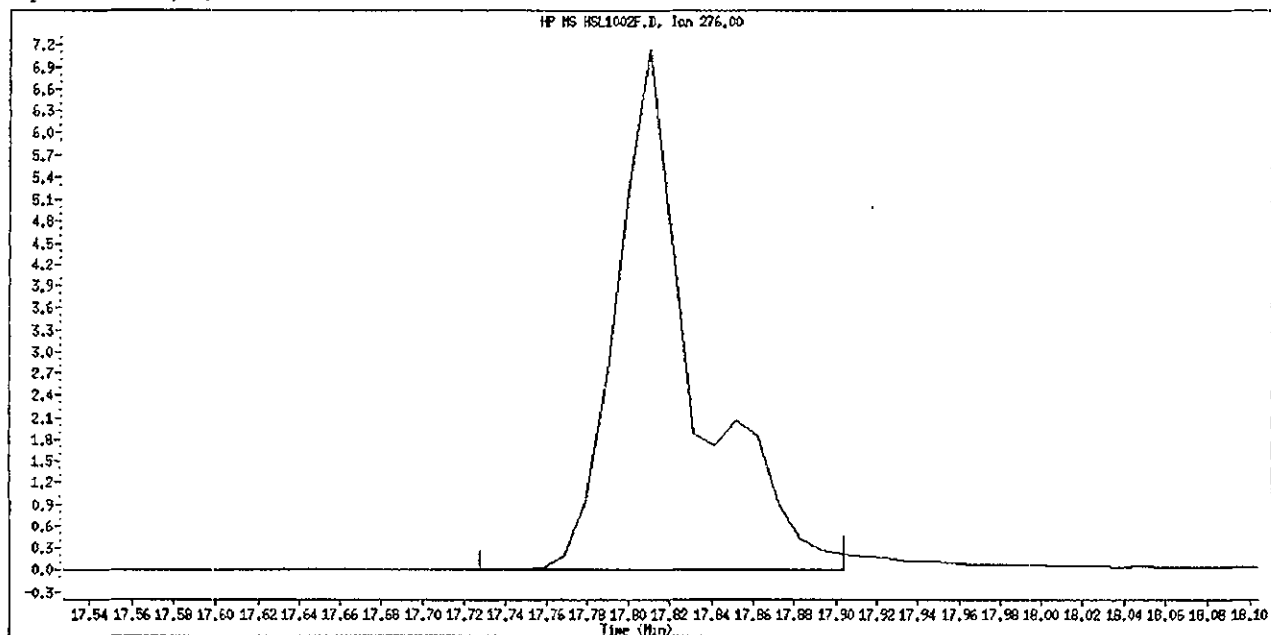
Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	707504	120.000	122.9
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	500185	120.000	125.2
50 Benzoic Acid	122	5.146	5.115	(0.958)	395333	120.000	138.3
51 1,2,4-Trichlorobenzene	180	5.333	5.322	(0.992)	531764	120.000	122.9
52 Naphthalene	128	5.395	5.395	(1.004)	2020315	120.000	123.7
54 4-Chloroaniline	127	5.488	5.488	(1.021)	797064	120.000	124.5
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	255231	120.000	120.6
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	563840	120.000	126.4
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	1263302	120.000	123.1
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	312226	120.000	129.7
69 2,4,6-Trichlorophenol	196	6.587	6.576	(0.882)	331223	120.000	128.7
70 2,4,5-Trichlorophenol	196	6.628	6.628	(0.888)	343374	120.000	123.8
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	1107604	120.000	122.0
73 2-Nitroaniline	65	6.950	6.949	(0.931)	346408	120.000	125.9
76 Dimethylphthalate	163	7.229	7.229	(0.968)	1286101	120.000	123.0
77 Acenaphthylene	152	7.281	7.281	(0.975)	1933504	120.000	122.3
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	311050	120.000	127.7
80 3-Nitroaniline	138	7.457	7.447	(0.999)	382849	120.000	125.9
81 Acenaphthene	153	7.509	7.509	(1.006)	1207616	120.000	120.0
82 2,4-Dinitrophenol	184	7.582	7.572	(1.015)	199007	120.000	124.7
83 Dibenzofuran	168	7.706	7.706	(1.032)	1630240	120.000	122.0 (q)
84 4-Nitrophenol	109	7.675	7.675	(1.028)	161169	120.000	127.8 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	409418	120.000	128.1
91 Fluorene	166	8.131	8.131	(1.089)	1333949	120.000	120.6
92 Diethylphthalate	149	8.110	8.100	(1.086)	1329206	120.000	124.2
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	558370	120.000	121.4
94 4-Nitroaniline	138	8.224	8.214	(1.101)	378421	120.000	125.6
97 4,6-Dinitro-2-methylphenol	198	8.286	8.276	(0.881)	236477	120.000	122.1
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	1123239	141.000	143.7
100 Azobenzene	77	8.359	8.348	(0.889)	1266722	120.000	124.9
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	318358	120.000	126.5
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	335728	120.000	119.4
110 Pentachlorophenol	266	9.240	9.240	(0.982)	215360	120.000	122.2
114 Phenanthrene	178	9.437	9.437	(1.003)	1942962	120.000	119.6
115 Anthracene	178	9.509	9.499	(1.011)	2014183	120.000	124.0
118 Carbazole	167	9.768	9.768	(1.039)	1828217	120.000	123.3
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	2225048	120.000	124.7
126 Fluoranthene	202	11.302	11.302	(1.202)	1829791	120.000	125.6
127 Benzidine	184	11.582	11.571	(0.840)	1320429	120.000	127.8
128 Pyrene	202	11.665	11.665	(0.846)	1963825	120.000	123.3
134 3,3'-dimethylbenzidine	212	12.877	12.867	(0.934)	1214012	120.000	133.2
136 Butylbenzylphthalate	149	12.991	12.991	(0.942)	997218	120.000	124.9
138 Benzo (a) Anthracene	228	13.758	13.758	(0.998)	1694281	120.000	124.8
139 Chrysene	228	13.831	13.831	(1.003)	1715841	120.000	123.6
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	653016	120.000	127.5
141 bis(2-ethylhexyl) Phthalate	149	14.110	14.110	(1.023)	1368794	120.000	124.5
142 Di-n-octylphthalate	149	15.167	15.167	(1.100)	2256614	120.000	128.4
144 Benzo (b) fluoranthene	252	15.592	15.582	(0.964)	1475217	120.000	120.8 (Q)
145 Benzo (k) fluoranthene	252	15.623	15.623	(0.966)	1935987	120.000	123.5 (q)
147 Benzo (e) pyrene	252	16.007	16.007	(0.990)	1569049	120.000	123.2
148 Benzo (a) pyrene	252	16.079	16.079	(0.994)	1720343	120.000	124.2
151 Indeno (1,2,3-cd) pyrene	276	17.810	17.800	(1.101)	1517263	120.000	135.5 (M)
152 Dibenzo (a,h) anthracene	278	17.851	17.841	(1.104)	1634040	120.000	130.6
153 Benzo (g,h,i) perylene	276	18.245	18.235	(1.128)	1706123	120.000	125.9

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				3411204	120.000	122.3 (A)

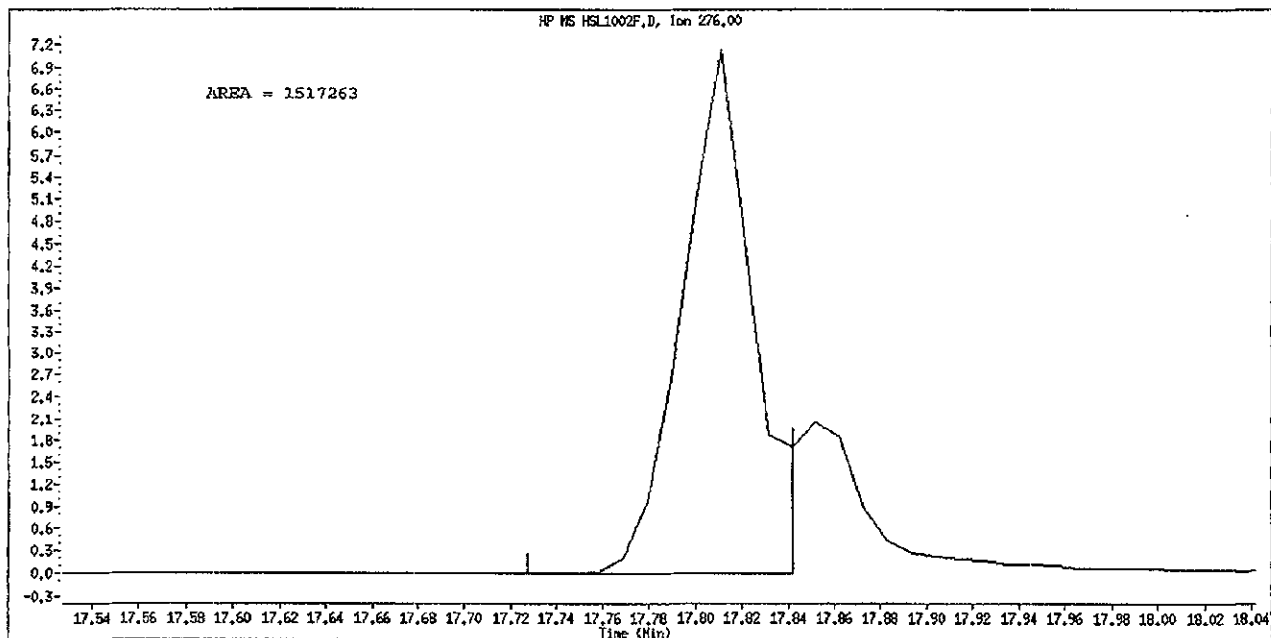
QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002F.D
Inj. Date and Time: 02-OCT-2010 14:35
Instrument ID: sv5.1
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: trungk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002F.D
 Lab Smp Id: HSL 120 ug/ml CS-6 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 14:35
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL 120 ug/ml CS-6;1;;6;;;4
 Misc Info : 3;;0;1 8270STD.SUB;10MSSV0312;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 6 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SV5

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152		3.955	3.955	(1.000)	137751	40.0000	(Q)
* 2 Naphthalene-d8	136		5.374	5.374	(1.000)	591665	40.0000	
* 3 Acenaphthene-d10	164		7.468	7.468	(1.000)	322596	40.0000	
* 4 Phenanthrene-d10	188		9.406	9.405	(1.000)	515607	40.0000	
* 5 Chrysene-d12	240		13.789	13.779	(1.000)	509570	40.0000	
* 6 Perylene-d12	264		16.173	16.162	(1.000)	539588	40.0000	
\$ 7 2-Fluorophenol	112		2.732	2.732	(0.691)	588028	120.000	115.7
\$ 8 Phenol-d5	99		3.613	3.613	(0.914)	759824	120.000	117.5
\$ 9 2-Chlorophenol-d4	132		3.758	3.758	(0.950)	652805	120.000	118.4
\$ 10 1,2-Dichlorobenzene-d4	152		4.162	4.162	(1.052)	407247	120.000	118.4
\$ 11 Nitrobenzene-d5	82		4.587	4.576	(0.853)	623501	120.000	118.8
\$ 12 2-Fluorobiphenyl	172		6.680	6.680	(0.895)	1255441	120.000	121.5
\$ 13 2,4,6-Tribromophenol	330		8.483	8.473	(1.136)	179055	120.000	140.6
\$ 14 Terphenyl-d14	244		12.017	12.017	(0.871)	1251844	120.000	126.0
15 N-Nitrosodimethylamine	74		1.706	1.706	(0.431)	388111	120.000	115.7
16 Pyridine	79		1.727	1.726	(0.437)	633334	120.000	113.3
23 Aniline	93		3.654	3.654	(0.924)	964533	120.000	119.0(Q)
24 Phenol	94		3.623	3.623	(0.916)	851671	120.000	123.8(Q)
26 Bis(2-chloroethyl) ether	93		3.716	3.716	(0.940)	596323	120.000	114.2
27 2-Chlorophenol	128		3.768	3.768	(0.953)	653244	120.000	120.0
28 1,3-Dichlorobenzene	146		3.924	3.923	(0.992)	712032	120.000	118.4
29 1,4-Dichlorobenzene	146		3.975	3.975	(1.005)	740915	120.000	121.9
30 Benzyl Alcohol	108		4.120	4.120	(1.042)	450249	120.000	120.4
31 1,2-Dichlorobenzene	146		4.172	4.172	(1.055)	679448	120.000	117.9
32 2-Methylphenol	108		4.255	4.255	(1.076)	603987	120.000	118.8
33 2,2'-oxybis(1-Chloropropane)	45		4.297	4.297	(1.086)	941514	120.000	97.10
34 4-Methylphenol	108		4.421	4.421	(1.118)	644202	120.000	118.9
36 Hexachloroethane	117		4.504	4.504	(1.139)	245394	120.000	114.4
37 N-Nitrosodipropylamine	70		4.452	4.442	(1.126)	428242	120.000	112.9
42 Nitrobenzene	77		4.607	4.597	(0.857)	593736	120.000	113.8
44 Isophorone	82		4.867	4.856	(0.906)	1179801	120.000	119.3
45 2-Nitrophenol	139		4.960	4.960	(0.923)	367467	120.000	129.0
46 2,4-Dimethylphenol	107		5.012	5.012	(0.933)	638328	120.000	120.7

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	707504	120.000	120.2
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	500185	120.000	128.5
50 Benzoic Acid	122	5.146	5.115	(0.958)	395333	120.000	134.1
51 1,2,4-Trichlorobenzene	180	5.333	5.322	(0.992)	531764	120.000	126.0
52 Naphthalene	128	5.395	5.395	(1.004)	2020315	120.000	122.7
54 4-Chloroaniline	127	5.488	5.488	(1.021)	797064	120.000	123.0
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	255231	120.000	127.2
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	563840	120.000	125.9
63 2-Methylnaphtalene	142	6.203	6.203	(1.154)	1263302	120.000	125.7
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	312226	120.000	126.9
69 2,4,6-Trichlorophenol	196	6.587	6.576	(0.882)	331223	120.000	135.6
70 2,4,5-Trichlorophenol	196	6.628	6.628	(0.888)	343374	120.000	128.0
71 2-Chloronaphtalene	162	6.784	6.784	(0.908)	1107604	120.000	122.5
73 2-Nitroaniline	65	6.950	6.949	(0.931)	346408	120.000	114.4
76 Dimethylphthalate	163	7.229	7.229	(0.968)	1286101	120.000	123.1
77 Acenaphthylene	152	7.281	7.281	(0.975)	1933504	120.000	122.3
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	311050	120.000	133.0
80 3-Nitroaniline	138	7.457	7.447	(0.999)	382849	120.000	123.4
81 Acenaphthene	153	7.509	7.509	(1.006)	1207616	120.000	119.9
82 2,4-Dinitrophenol	184	7.582	7.571	(1.015)	199007	120.000	127.2
83 Dibenzofuran	168	7.706	7.706	(1.032)	1630240	120.000	122.5 (q)
84 4-Nitrophenol	109	7.675	7.675	(1.028)	161169	120.000	119.0 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	409418	120.000	130.6
91 Fluorene	166	8.131	8.131	(1.089)	1333949	120.000	122.3
92 Diethylphthalate	149	8.110	8.100	(1.086)	1329206	120.000	121.7
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	558370	120.000	124.2
94 4-Nitroaniline	138	8.224	8.214	(1.101)	378421	120.000	124.8
97 4,6-Dinitro-2-methylphenol	198	8.286	8.276	(0.881)	236477	120.000	120.3
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	1123239	141.000	139.8
100 Azobenzene	77	8.359	8.348	(0.889)	1266722	120.000	113.3
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	318358	120.000	127.8
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	335728	120.000	124.8
110 Pentachlorophenol	266	9.240	9.240	(0.982)	215360	120.000	133.3
114 Phenanthrene	178	9.437	9.437	(1.003)	1942962	120.000	120.8
115 Anthracene	178	9.509	9.499	(1.011)	2014183	120.000	124.4
118 Carbazole	167	9.768	9.768	(1.039)	1828217	120.000	121.4
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	2225048	120.000	122.2
126 Fluoranthene	202	11.302	11.302	(1.202)	1829791	120.000	126.4
127 Benzidine	184	11.582	11.571	(0.840)	1320429	120.000	126.2
128 Fyrene	202	11.665	11.665	(0.846)	1963825	120.000	123.2
134 3,3'-dimethylbenzidine	212	12.877	12.867	(0.934)	1214012	120.000	135.2
136 Butylbenzylphthalate	149	12.991	12.991	(0.942)	997218	120.000	122.5
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	1694281	120.000	126.0
139 Chrysene	228	13.831	13.831	(1.003)	1715841	120.000	122.8
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	653016	120.000	132.7
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	1368794	120.000	122.1
142 Di-n-octylphthalate	149	15.167	15.167	(1.100)	2256614	120.000	125.9
144 Benzo(b)fluoranthene	252	15.592	15.582	(0.964)	1475217	120.000	115.3 (Q)
145 Benzo(k)fluoranthene	252	15.623	15.623	(0.966)	1935987	120.000	129.5 (q)
147 Benzo(e)pyrene	252	16.007	16.007	(0.990)	1569049	120.000	123.7
148 Benzo(a)pyrene	252	16.079	16.079	(0.994)	1720343	120.000	123.5
151 Indeno(1,2,3-cd)pyrene	276	17.810	17.800	(1.101)	1867193	120.000	151.5
152 Dibenzo(a,h)anthracene	278	17.851	17.841	(1.104)	1634040	120.000	129.4
153 Benzo(g,h,i)perylene	276	18.245	18.235	(1.128)	1706123	120.000	126.0

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				3411204	120.000	122.9 (A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento
 INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i Calibration Date: 02-OCT-2010
 Lab File ID: HSL1002F.D Calibration Time: 13:44
 Lab Smp Id: HSL 120 ug/ml CS-6 Client Smp ID: 8270F.M
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: KT
 Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0312;0;8270F.M

Test Mode:
 Use Initial Calibration Level 4.

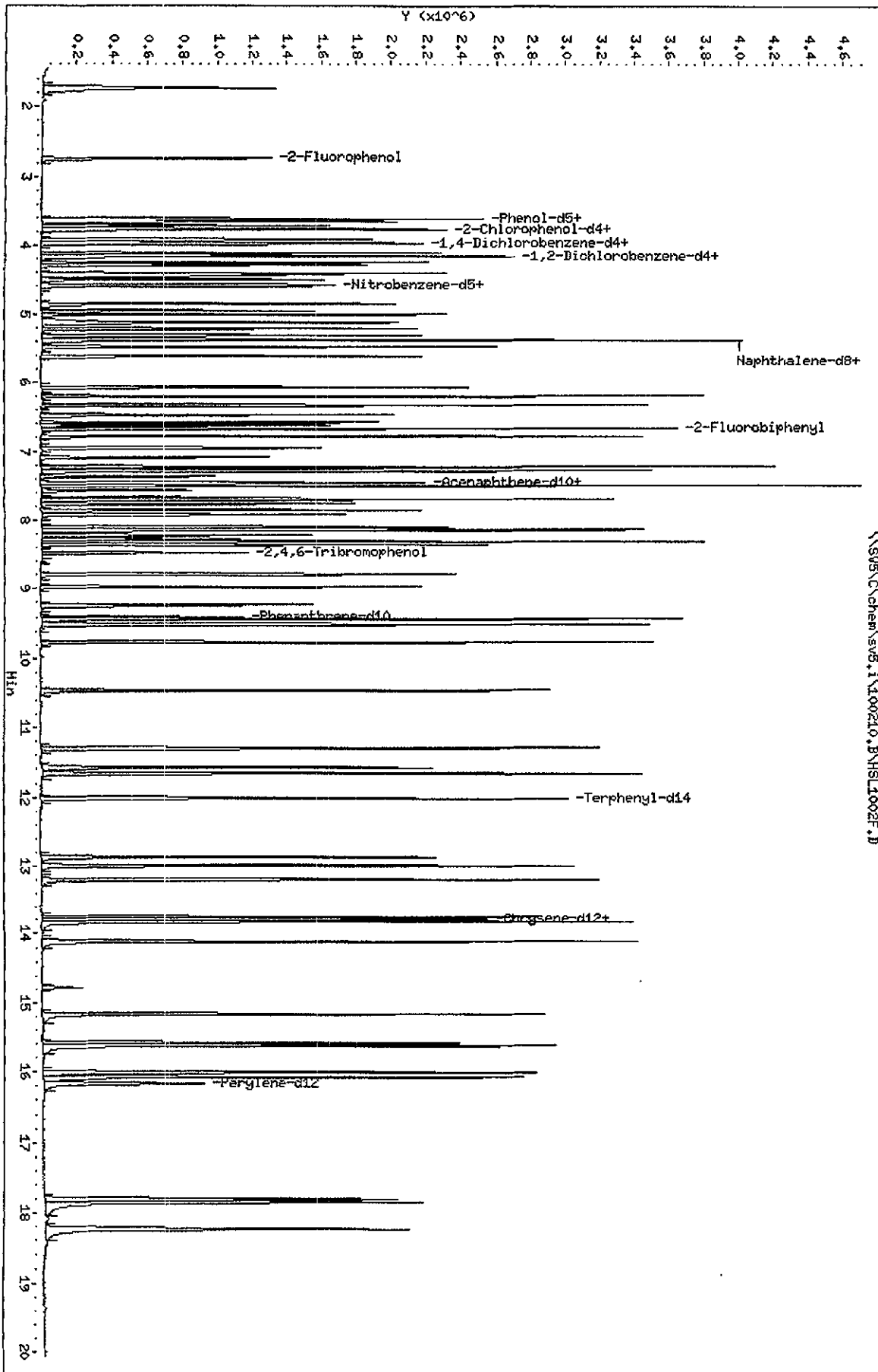
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	137751	12.34
2 Naphthalene-d8	530514	265257	1061028	591665	11.53
3 Acenaphthene-d10	282538	141269	565076	322596	14.18
4 Phenanthrene-d10	462722	231361	925444	515607	11.43
5 Chrysene-d12	435850	217925	871700	509570	16.91
6 Perylene-d12	422284	211142	844568	539588	27.78

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.79	0.08
6 Perylene-d12	16.16	15.66	16.66	16.17	0.06

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SVS\C\chem\sv5.1\100210.B\HSL1002F.D
Date: 02-07-2010 14:35
Client ID: 8270F.M
Sample Info: HSL_120 ug/ml CS-611161114

Instrument: sv5.1
Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002G.D
 Lab Smp Id: HSL 160 ug/ml CS-7 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 15:00
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL 160 ug/ml CS-7;1;;;7;;;4
 Misc Info : 3;;0;1 8270STD.SUB;10MSSV0313;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 7 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SACP307UM

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4		152	3.954	3.955	(1.000)	141009	40.0000	(Q)
* 2 Naphthalene-d8		136	5.374	5.374	(1.000)	622461	40.0000	
* 3 Acenaphthene-d10		164	7.478	7.468	(1.000)	328259	40.0000	
* 4 Phenanthrene-d10		188	9.405	9.405	(1.000)	532284	40.0000	
* 5 Chrysene-d12		240	13.789	13.779	(1.000)	539557	40.0000	
* 6 Perylene-d12		264	16.172	16.162	(1.000)	560436	40.0000	
\$ 7 2-Fluorophenol		112	2.732	2.732	(0.691)	810154	160.000	163.0 (A)
\$ 8 Phenol-d5		99	3.623	3.613	(0.916)	1035724	160.000	165.7 (A)
\$ 9 2-Chlorophenol-d4		132	3.757	3.758	(0.950)	890073	160.000	162.2 (A)
\$ 10 1,2-Dichlorobenzene-d4		152	4.162	4.162	(1.052)	557610	160.000	160.6 (A)
\$ 11 Nitrobenzene-d5		82	4.587	4.576	(0.853)	845796	160.000	160.4 (A)
\$ 12 2-Fluorobiphenyl		172	6.680	6.680	(0.893)	1707074	160.000	161.4 (A)
\$ 13 2,4,6-Tribromophenol		330	8.483	8.473	(1.134)	241468	160.000	169.3 (A)
\$ 14 Terphenyl-d14		244	12.017	12.017	(0.871)	1728892	160.000	162.7 (A)
15 N-Nitrosodimethylamine		74	1.706	1.706	(0.431)	529253	160.000	162.9 (AQ)
16 Pyridine		79	1.726	1.726	(0.437)	860850	160.000	158.4 (Q)
23 Aniline		93	3.654	3.654	(0.924)	1318620	160.000	165.8 (AQ)
24 Phenol		94	3.633	3.623	(0.919)	1166090	160.000	162.4 (AQ)
26 Bis(2-chloroethyl) ether		93	3.716	3.716	(0.940)	813702	160.000	161.6 (A)
27 2-Chlorophenol		128	3.768	3.768	(0.953)	885754	160.000	160.7 (A)
28 1,3-Dichlorobenzene		146	3.923	3.923	(0.992)	972719	160.000	162.0 (A)
29 1,4-Dichlorobenzene		146	3.975	3.975	(1.005)	1023408	160.000	163.0 (A)
30 Benzyl Alcohol		108	4.120	4.120	(1.042)	617653	160.000	166.7 (A)
31 1,2-Dichlorobenzene		146	4.172	4.172	(1.055)	928919	160.000	160.9 (A)
32 2-Methylphenol		108	4.265	4.255	(1.079)	834149	160.000	165.4 (A)
33 2,2'-oxybis(1-Chloropropane)		45	4.296	4.297	(1.086)	1290345	160.000	161.0 (A)
34 4-Methylphenol		108	4.421	4.421	(1.118)	895481	160.000	167.2 (A)
36 Hexachloroethane		117	4.504	4.504	(1.139)	343605	160.000	160.7 (A)
37 N-Nitrosodipropylamine		70	4.452	4.442	(1.126)	590870	160.000	165.6 (A)
42 Nitrobenzene		77	4.607	4.597	(0.857)	844093	160.000	163.8 (A)
44 Isophorone		82	4.866	4.856	(0.906)	1628636	160.000	164.4 (A)
45 2-Nitrophenol		139	4.960	4.960	(0.923)	510613	160.000	167.0 (A)
46 2,4-Dimethylphenol		107	5.022	5.012	(0.934)	890994	160.000	164.0 (A)

10-3-10

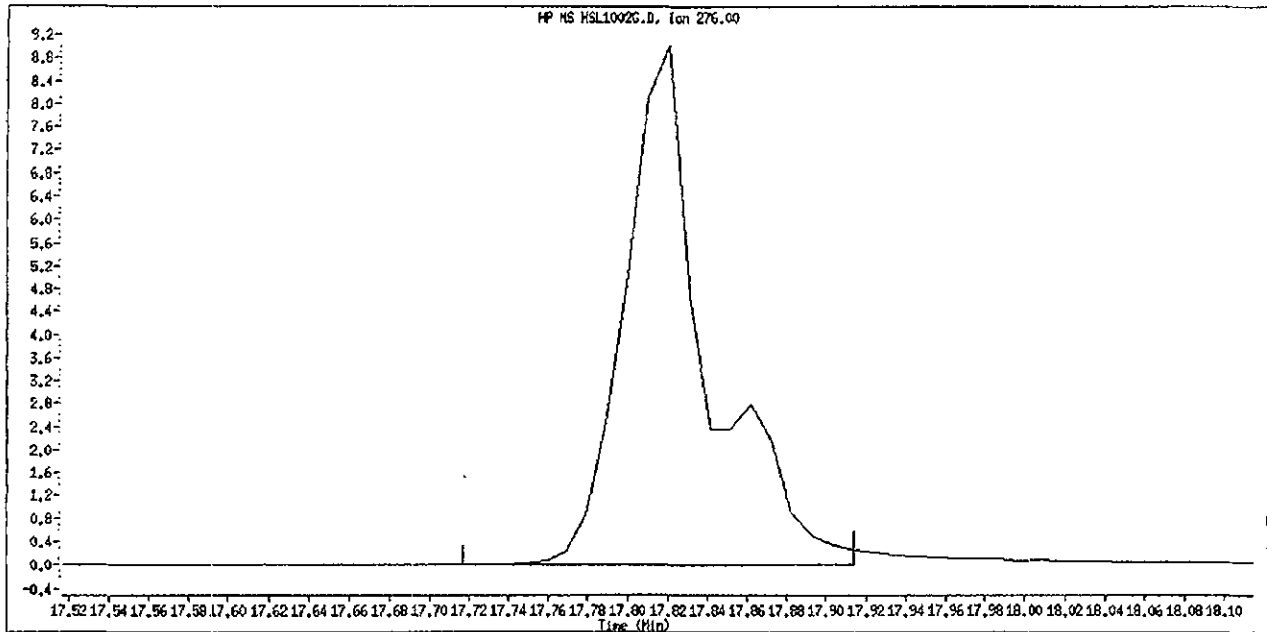
Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.136	5.126 (0.956)		959710	160.000	158.5
49 2,4-Dichlorophenol	162	5.229	5.229 (0.973)		692405	160.000	164.7 (A)
50 Benzoic Acid	122	5.167	5.115 (0.961)		552251	160.000	183.5 (A)
51 1,2,4-Trichlorobenzene	180	5.333	5.322 (0.992)		724320	160.000	159.2
52 Naphthalene	128	5.395	5.395 (1.004)		2744968	160.000	159.7
54 4-Chloroaniline	127	5.488	5.488 (1.021)		1092223	160.000	162.1 (A)
57 Hexachlorobutadiene	225	5.612	5.613 (1.044)		360358	160.000	161.8 (A)
60 4-Chloro-3-Methylphenol	107	6.068	6.069 (1.129)		767831	160.000	163.6 (A)
63 2-Methylnaphthalene	142	6.203	6.203 (1.154)		1723402	160.000	159.6
66 Hexachlorocyclopentadiene	237	6.483	6.483 (0.867)		435738	160.000	177.9 (A)
69 2,4,6-Trichlorophenol	196	6.587	6.576 (0.881)		441685	160.000	168.6 (A)
70 2,4,5-Trichlorophenol	196	6.628	6.628 (0.886)		474468	160.000	168.2 (A)
71 2-Chloronaphthalene	162	6.783	6.784 (0.907)		1511253	160.000	163.6 (A)
73 2-Nitroaniline	65	6.960	6.949 (0.931)		476342	160.000	170.1 (A)
76 Dimethylphthalate	163	7.229	7.229 (0.967)		1710061	160.000	160.8 (A)
77 Acenaphthylene	152	7.291	7.281 (0.975)		2665048	160.000	165.6 (A)
79 2,6-Dinitrotoluene	165	7.302	7.302 (0.976)		408436	160.000	164.8 (A)
80 3-Nitroaniline	138	7.457	7.447 (0.997)		520002	160.000	168.1 (A)
81 Acenaphthene	153	7.509	7.509 (1.004)		1647377	160.000	160.9 (A)
82 2,4-Dinitrophenol	184	7.581	7.572 (1.014)		265655	160.000	257.7
83 Dibenzofuran	168	7.706	7.706 (1.030)		2246304	160.000	165.3 (A)
84 4-Nitrophenol	109	7.685	7.675 (1.028)		228516	160.000	178.1 (Aq)
86 2,4-Dinitrotoluene	165	7.778	7.768 (1.040)		566055	160.000	174.0 (A)
91 Fluorene	166	8.141	8.131 (1.089)		1846653	160.000	164.1 (A)
92 Diethylphthalate	149	8.110	8.100 (1.085)		1813127	160.000	166.5 (A)
93 4-Chlorophenyl-phenylether	204	8.151	8.152 (1.090)		757562	160.000	161.9 (A)
94 4-Nitroaniline	138	8.224	8.214 (1.100)		531151	160.000	173.2 (A)
97 4,6-Dinitro-2-methylphenol	198	8.286	8.276 (0.881)		324244	160.000	160.7 (A)
98 N-Nitrosodiphenylamine	169	8.328	8.317 (0.885)		1542041	187.000	191.1 (A)
100 Azobenzene	77	8.359	8.348 (0.889)		1646477	160.000	157.3
101 4-Bromophenyl-phenylether	248	8.804	8.794 (0.936)		421894	160.000	162.4 (A)
108 Hexachlorobenzene	284	8.980	8.981 (0.955)		465305	160.000	160.3 (A)
110 Pentachlorophenol	266	9.250	9.240 (0.983)		293184	160.000	159.9
114 Phenanthrene	178	9.447	9.437 (1.004)		2695719	160.000	160.7 (A)
115 Anthracene	178	9.509	9.499 (1.011)		2703105	160.000	161.3 (A)
118 Carbazole	167	9.768	9.768 (1.039)		2479487	160.000	161.9 (A)
120 Di-n-Butylphthalate	149	10.473	10.463 (1.113)		3164666	160.000	171.8 (A)
126 Fluoranthene	202	11.312	11.302 (1.203)		2500453	160.000	166.3 (A)
127 Benzidine	184	11.582	11.571 (0.840)		1864289	160.000	170.5 (A)
128 Pyrene	202	11.664	11.665 (0.846)		2714930	160.000	161.0 (A)
134 3,3'-dimethylbenzidine	212	12.877	12.867 (0.934)		1724989	160.000	178.7 (A)
136 Butylbenzylphthalate	149	12.991	12.991 (0.942)		1401117	160.000	165.8 (A)
138 Benzo(a)Anthracene	228	13.768	13.758 (0.998)		2393908	160.000	166.6 (A)
139 Chrysene	228	13.841	13.831 (1.004)		2422526	160.000	164.8 (A)
140 3,3'-Dichlorobenzidine	252	13.810	13.799 (1.002)		915413	160.000	168.9 (A)
141 bis(2-ethylhexyl) Phthalate	149	14.110	14.110 (1.023)		1906885	160.000	163.8 (A)
142 Di-n-octylphthalate	149	15.167	15.167 (1.100)		3253965	160.000	174.8 (A)
144 Benzo(b)fluoranthene	252	15.592	15.582 (0.964)		2299398	160.000	181.2 (AQ)
145 Benzo(k)fluoranthene	252	15.634	15.623 (0.967)		2475935	160.000	152.0 (q)
147 Benzo(e)pyrene	252	16.017	16.007 (0.990)		2178628	160.000	164.7 (A)
148 Benzo(a)pyrene	252	16.089	16.079 (0.995)		2387962	160.000	166.0 (A)
151 Indeno(1,2,3-cd)pyrene	276	17.820	17.800 (1.102)		2196805	160.000	188.8 (AM)
152 Dibenzo(a,h)anthracene	278	17.862	17.841 (1.104)		2250528	160.000	173.2 (A)
153 Benzo(g,h,i)perylene	276	18.255	18.235 (1.129)		2332007	160.000	165.7 (A)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				4775333	160.000	164.8 (A)

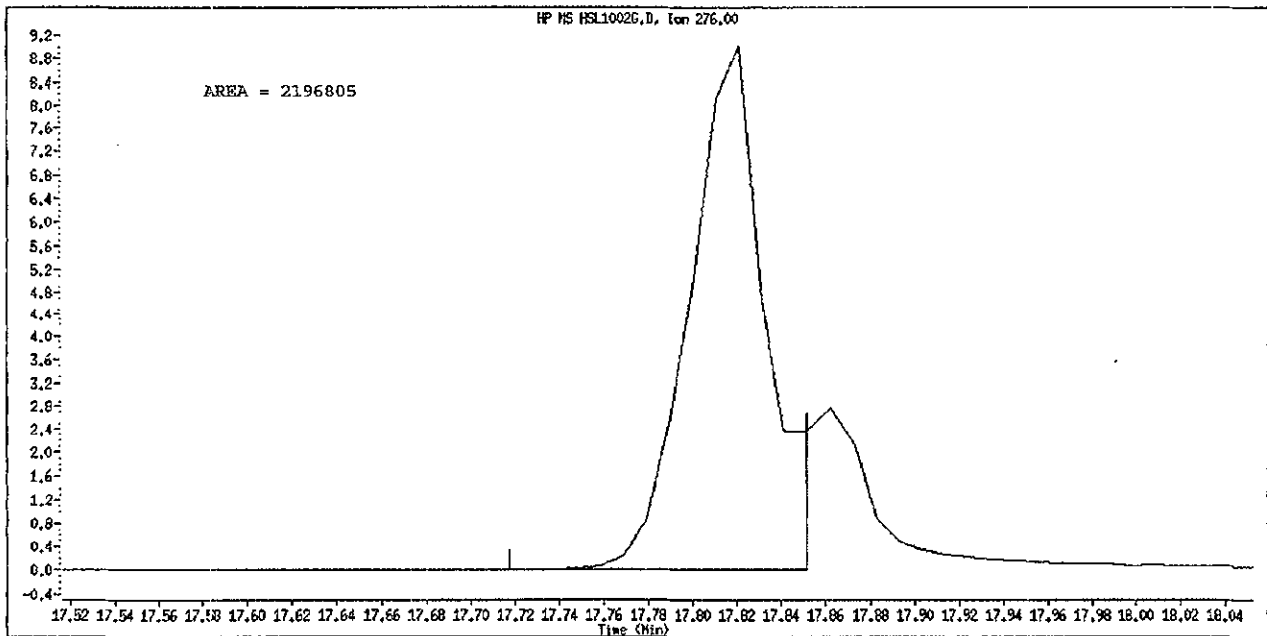
QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002G.D
Inj. Date and Time: 02-OCT-2010 15:00
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truonk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C
 Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002G.D
 Lab Smp Id: HSL_160 ug/ml CS-7 Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 15:00
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL_160 ug/ml CS-7;1;;7;;;4
 Misc Info : 3;;0;1_8270STD.SUB;10MSSV0313;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 7 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SV5

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152		3.954	3.955	(1.000)	141009	40.0000	(Q)
* 2 Naphthalene-d8	136		5.374	5.374	(1.000)	622461	40.0000	
* 3 Acenaphthene-d10	154		7.478	7.468	(1.000)	328259	40.0000	
* 4 Phenanthrene-d10	188		9.405	9.405	(1.000)	532284	40.0000	
* 5 Chrysene-d12	240		13.789	13.779	(1.000)	539557	40.0000	
* 6 Perylene-d12	264		16.172	16.162	(1.000)	560436	40.0000	
\$ 7 2-Fluorophenol	112		2.732	2.732	(0.691)	810154	160.000	155.7
\$ 8 Phenol-d5	99		3.623	3.613	(0.916)	1035724	160.000	156.5
\$ 9 2-Chlorophenol-d4	132		3.757	3.758	(0.950)	890073	160.000	157.7
\$ 10 1,2-Dichlorobenzene-d4	152		4.162	4.162	(1.052)	557810	160.000	158.4
\$ 11 Nitrobenzene-d5	82		4.587	4.576	(0.853)	845796	160.000	153.2
\$ 12 2-Fluorobiphenyl	172		6.680	6.680	(0.893)	1707074	160.000	162.4 (A)
\$ 13 2,4,6-Tribromophenol	330		8.483	8.473	(1.134)	241468	160.000	186.3 (A)
\$ 14 Terphenyl-d14	244		12.017	12.017	(0.871)	1728892	160.000	164.3 (A)
15 N-Nitrosodimethylamine	74		1.706	1.706	(0.431)	529253	160.000	154.1
16 Pyridine	79		1.726	1.726	(0.437)	860850	160.000	150.4
23 Aniline	93		3.654	3.654	(0.924)	1318620	160.000	158.9 (Q)
24 Phenol	94		3.633	3.623	(0.919)	1166090	160.000	165.7 (AQ)
26 Bis(2-chloroethyl) ether	93		3.716	3.716	(0.940)	813702	160.000	152.2
27 2-Chlorophenol	128		3.768	3.768	(0.953)	885754	160.000	159.0
28 1,3-Dichlorobenzene	146		3.923	3.923	(0.992)	972719	160.000	158.0
29 1,4-Dichlorobenzene	146		3.975	3.975	(1.005)	1023408	160.000	164.5 (A)
30 Benzyl Alcohol	108		4.120	4.120	(1.042)	617653	160.000	161.4 (A)
31 1,2-Dichlorobenzene	146		4.172	4.172	(1.055)	928919	160.000	157.5
32 2-Methylphenol	108		4.265	4.255	(1.079)	834149	160.000	160.3 (A)
33 2,2'-oxybis(1-Chloropropane)	45		4.296	4.297	(1.086)	1290345	160.000	130.0
34 4-Methylphenol	108		4.421	4.421	(1.118)	895481	160.000	161.5 (A)
36 Hexachloroethane	117		4.504	4.504	(1.139)	343605	160.000	156.5
37 N-Nitrosodipropylamine	70		4.452	4.442	(1.126)	590870	160.000	152.2
42 Nitrobenzene	77		4.607	4.597	(0.857)	844093	160.000	153.8
44 Isophorone	82		4.866	4.856	(0.906)	1628636	160.000	156.6
45 2-Nitrophenol	139		4.960	4.960	(0.923)	510613	160.000	170.5 (A)
46 2,4-Dimethylphenol	107		5.022	5.012	(0.934)	890994	160.000	160.2 (A)

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93		5.136	5.126	(0.956)	959710	160.000	155.0
49 2,4-Dichlorophenol	162		5.229	5.229	(0.973)	692405	160.000	169.1 (A)
50 Benzoic Acid	122		5.167	5.115	(0.961)	552251	160.000	178.1 (A)
51 1,2,4-Trichlorobenzene	180		5.333	5.322	(0.992)	724320	160.000	163.2 (A)
52 Naphthalene	128		5.395	5.395	(1.004)	2744968	160.000	158.4
54 4-Chloroaniline	127		5.488	5.488	(1.021)	1092223	160.000	160.2 (A)
57 Hexachlorobutadiene	225		5.612	5.613	(1.044)	360358	160.000	170.6 (A)
60 4-Chloro-3-Methylphenol	107		6.068	6.069	(1.129)	767831	160.000	163.0 (A)
63 2-Methylnaphthalene	142		6.203	6.203	(1.154)	1723402	160.000	163.0 (A)
66 Hexachlorocyclopentadiene	237		6.483	6.483	(0.867)	435738	160.000	174.0 (A)
69 2,4,6-Trichlorophenol	196		6.587	6.576	(0.881)	441685	160.000	177.7 (A)
70 2,4,5-Trichlorophenol	196		6.628	6.628	(0.886)	474468	160.000	173.8 (A)
71 2-Chloronaphthalene	162		6.783	6.784	(0.907)	1511253	160.000	164.2 (A)
73 2-Nitroaniline	65		6.960	6.949	(0.931)	476342	160.000	154.5
76 Dimethylphthalate	163		7.229	7.229	(0.967)	1710061	160.000	160.9 (A)
77 Acenaphthylene	152		7.291	7.281	(0.975)	2665048	160.000	165.6 (A)
79 2,6-Dinitrotoluene	165		7.302	7.302	(0.976)	408436	160.000	171.6 (A)
80 3-Nitroaniline	138		7.457	7.447	(0.997)	520002	160.000	164.8 (A)
81 Acenaphthene	153		7.509	7.509	(1.004)	1647377	160.000	160.7 (A)
82 2,4-Dinitrophenol	184		7.581	7.571	(1.014)	265655	160.000	158.9
83 Dibenzofuran	168		7.706	7.706	(1.030)	2246304	160.000	165.8 (A)
84 4-Nitrophenol	109		7.685	7.675	(1.028)	228516	160.000	165.8 (Aq)
86 2,4-Dinitrotoluene	165		7.778	7.768	(1.040)	566055	160.000	177.5 (A)
91 Fluorene	166		8.141	8.131	(1.089)	1846653	160.000	166.4 (A)
92 Diethylphthalate	149		8.110	8.100	(1.085)	1813127	160.000	163.2 (A)
93 4-Chlorophenyl-phenylether	204		8.151	8.152	(1.090)	757562	160.000	165.6 (A)
94 4-Nitroaniline	138		8.224	8.214	(1.100)	531151	160.000	172.2 (A)
97 4,6-Dinitro-2-methylphenol	198		8.286	8.276	(0.881)	324244	160.000	158.0
98 N-Nitrosodiphenylamine	169		8.328	8.317	(0.885)	1542041	187.000	185.9 (A)
100 Azobenzene	77		8.359	8.348	(0.889)	1646477	160.000	142.7
101 4-Bromophenyl-phenylether	248		8.804	8.794	(0.936)	421894	160.000	164.0 (A)
108 Hexachlorobenzene	284		8.980	8.981	(0.955)	465305	160.000	167.5 (A)
110 Pentachlorophenol	266		9.250	9.240	(0.983)	293184	160.000	175.8 (A)
114 Phenanthrene	178		9.447	9.437	(1.004)	2695719	160.000	162.4 (A)
115 Anthracene	178		9.509	9.499	(1.011)	2703105	160.000	161.8 (A)
118 Carbazole	167		9.768	9.768	(1.039)	2479487	160.000	159.5
120 Di-n-Butylphthalate	149		10.473	10.463	(1.113)	3164666	160.000	168.4 (A)
126 Fluoranthene	202		11.312	11.302	(1.203)	2500453	160.000	167.3 (A)
127 Benzidine	184		11.582	11.571	(0.840)	1864289	160.000	168.3 (A)
128 Pyrene	202		11.664	11.665	(0.846)	2714930	160.000	160.9 (A)
134 3,3'-dimethylbenzidine	212		12.877	12.867	(0.934)	1724989	160.000	181.4 (A)
136 Butylbenzylphthalate	149		12.991	12.991	(0.942)	1401117	160.000	162.5 (A)
138 Benzo(a)Anthracene	228		13.768	13.758	(0.998)	2393908	160.000	168.2 (A)
139 Chrysene	228		13.841	13.831	(1.004)	2422526	160.000	163.8 (A)
140 3,3'-Dichlorobenzidine	252		13.810	13.799	(1.002)	915413	160.000	175.7 (A)
141 bis(2-ethylhexyl)Phthalate	149		14.110	14.110	(1.023)	1906885	160.000	160.7 (A)
142 Di-n-octylphthalate	149		15.167	15.167	(1.100)	3253965	160.000	171.5 (A)
144 Benzo(b)fluoranthene	252		15.592	15.582	(0.964)	2299398	160.000	173.0 (AQ)
145 Benzo(k)fluoranthene	252		15.634	15.623	(0.967)	2475935	160.000	159.4 (q)
147 Benzo(e)pyrene	252		16.017	16.007	(0.990)	2178628	160.000	165.4 (A)
148 Benzo(a)pyrene	252		16.089	16.079	(0.995)	2387962	160.000	165.1 (A)
151 Indeno(1,2,3-cd)pyrene	276		17.820	17.800	(1.102)	2617878	160.000	204.6 (A)
152 Dibenzo(a,h)anthracene	278		17.862	17.841	(1.104)	2250528	160.000	171.6 (A)
153 Benzo(g,h,i)perylene	276		18.255	18.235	(1.129)	2332007	160.000	165.9 (A)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
=====	====	----	-----	-----	-----	-----	-----
M 162 benzo b,k Fluoranthene Totals	252				4775333	160.000	165.7 (A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: HSL1002G.D
 Lab Smp Id: HSL_160 ug/ml CS-7
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0313;0;8270F.M

Calibration Date: 02-OCT-2010
 Calibration Time: 13:44
 Client Smp ID: 8270F.M
 Level:
 Sample Type:

Test Mode:
 Use Initial Calibration Level 4.

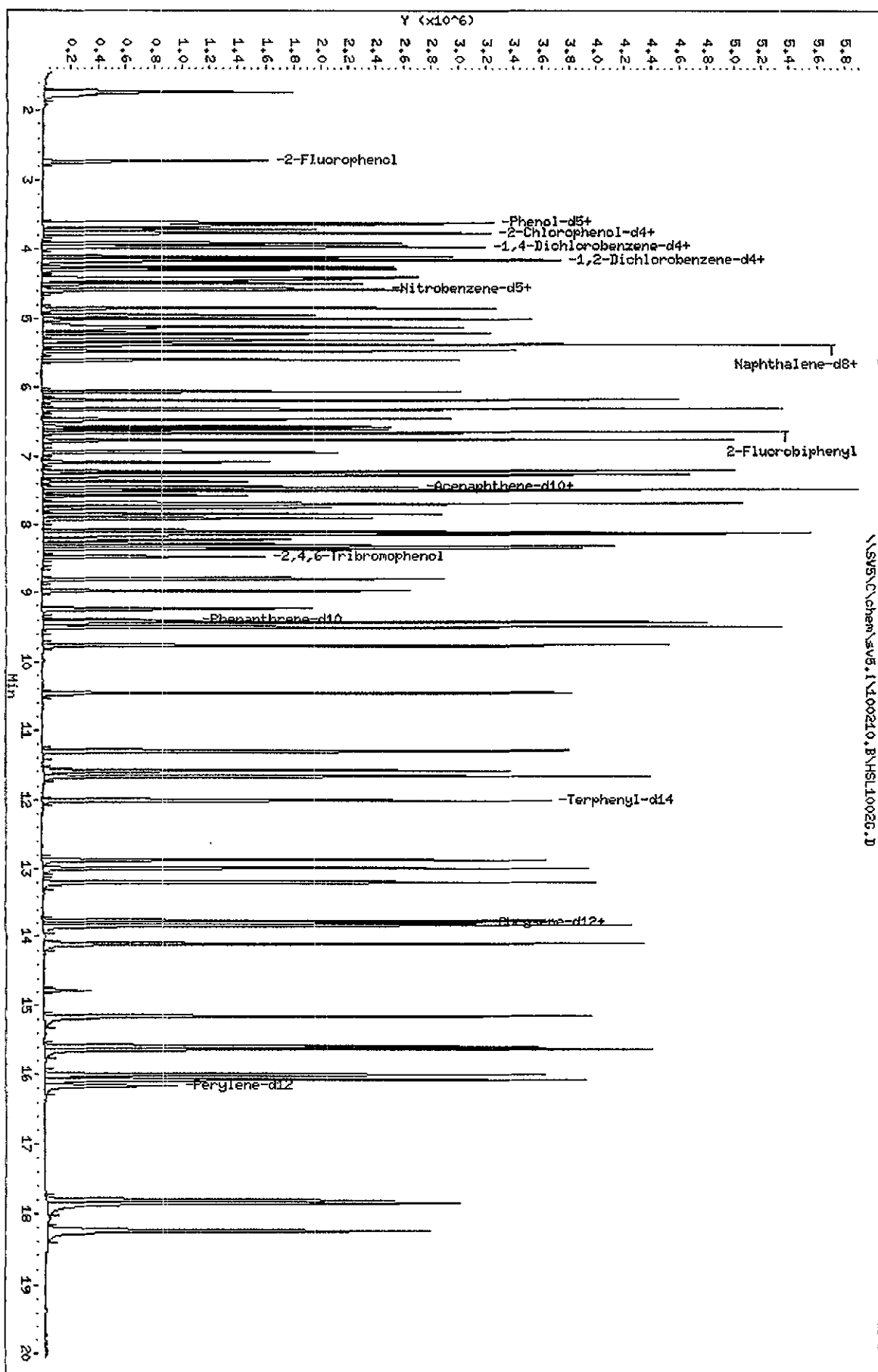
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	141009	14.99
2 Naphthalene-d8	530514	265257	1061028	622461	17.33
3 Acenaphthene-d10	282538	141269	565076	328259	16.18
4 Phenanthrene-d10	462722	231361	925444	532284	15.03
5 Chrysene-d12	435850	217925	871700	539557	23.79
6 Perylene-d12	422284	211142	844568	560436	32.72

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.95	-0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	-0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.48	0.14
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	-0.00
5 Chrysene-d12	13.78	13.28	14.28	13.79	0.07
6 Perylene-d12	16.16	15.66	16.66	16.17	0.06

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SVS\chem\sv5.1\100210.B\HSL1002G.D
 Date: 02-OCT-2010 18:00
 Client ID: 8270F.H
 Sample Info: HSL_160 ug/ml CS-711177774
 Column Phase: 1

Instrument: sv5.1
 Operator: KT
 Column diameter: 2.00



TestAmerica West Sacramento
 CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 02-OCT-2010 16:11
 Lab File ID: HSL1002H.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
 Analysis Type: Init. Cal. Times: 17:32 15:00
 Lab Sample ID: HSL_050 ug/ml ICV Quant Type: ISTD
 Method: \\sv5\c\chem\sv5.i\100210.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	OCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 2-Fluorophenol	1.40992	1.41047	1.41047	0.010	0.03876	50.00000	Averaged
8 Phenol-d5	1.77296	1.74907	1.74907	0.010	-1.34746	50.00000	Averaged
9 2-Chlorophenol-d4	1.55698	1.55303	1.55303	0.010	-0.25385	50.00000	Averaged
10 1,2-Dichlorobenzene-d4	0.98513	0.98502	0.98502	0.010	-0.01093	50.00000	Averaged
11 Nitrobenzene-d5	0.33879	0.32706	0.32706	0.010	-3.46219	50.00000	Averaged
12 2-Fluorobiphenyl	1.28852	1.25302	1.25302	0.010	-2.75502	50.00000	Averaged
13 2,4,6-Tribromophenol	0.17381	0.17822	0.17822	0.010	2.53174	50.00000	Averaged
14 Terphenyl-d14	0.78789	0.74054	0.74054	0.010	-6.00962	50.00000	Averaged
15 N-Nitrosodimethylamine	0.92154	0.91645	0.91645	0.010	-0.55265	50.00000	Averaged
16 Pyridine	1.54111	1.49084	1.49084	0.010	-3.26208	50.00000	Averaged
23 Aniline	2.25673	1.90520	1.90520	0.010	-15.57690	50.00000	Averaged
24 Phenol	2.03729	2.01343	2.01343	0.010	-1.17106	20.00000	Averaged
26 Bis(2-chloroethyl) ether	1.42859	1.41690	1.41690	0.010	-0.81844	50.00000	Averaged
27 2-Chlorophenol	1.56381	1.57626	1.57626	0.010	0.79611	50.00000	Averaged
28 1,3-Dichlorobenzene	1.70337	1.74104	1.74104	0.010	2.21094	50.00000	Averaged
29 1,4-Dichlorobenzene	1.78118	1.77637	1.77637	0.010	-0.26978	20.00000	Averaged
30 Benzyl Alcohol	1.05101	1.07153	1.07153	0.010	1.95228	50.00000	Averaged
31 1,2-Dichlorobenzene	1.63746	1.64144	1.64144	0.010	0.24267	50.00000	Averaged
32 2-Methylphenol	1.43012	1.41817	1.41817	0.010	-0.83592	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	2.27365	2.14153	2.14153	0.010	-5.81096	50.00000	Averaged
34 4-Methylphenol	1.51904	1.42403	1.42403	0.010	-6.25452	50.00000	Averaged
36 Hexachloroethane	0.60636	0.62081	0.62081	0.010	2.38271	50.00000	Averaged
37 N-Nitrosodipropylamine	1.01180	0.99863	0.99863	0.050	-1.30217	50.00000	Averaged
42 Nitrobenzene	0.33116	0.32452	0.32452	0.010	-2.00546	50.00000	Averaged
44 Isophorone	0.63679	0.62370	0.62370	0.010	-2.05513	50.00000	Averaged
45 2-Nitrophenol	0.19648	0.20090	0.20090	0.010	2.25050	20.00000	Averaged
46 2,4-Dimethylphenol	0.34911	0.33078	0.33078	0.010	-5.25153	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.38908	0.37434	0.37434	0.010	-3.78942	50.00000	Averaged
49 2,4-Dichlorophenol	0.27010	0.26945	0.26945	0.010	-0.23923	20.00000	Averaged
50 Benzoic Acid	0.19324	0.20284	0.20284	0.010	4.96710	50.00000	Averaged
51 1,2,4-Trichlorobenzene	0.29246	0.28203	0.28203	0.010	-3.56320	50.00000	Averaged
52 Naphthalene	1.10443	1.07116	1.07116	0.010	-3.01217	50.00000	Averaged
54 4-Chloroaniline	0.43288	0.40664	0.40664	0.010	-6.06033	50.00000	Averaged
57 Hexachlorobutadiene	0.14313	0.14742	0.14742	0.010	2.99976	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30164	0.29442	0.29442	0.010	-2.39317	20.00000	Averaged
63 2-Methylnaphthalene	0.69378	0.71003	0.71003	0.010	2.34296	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.29846	0.32228	0.32228	0.050	7.98199	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.31913	0.32462	0.32462	0.010	1.71977	20.00000	Averaged
70 2,4,5-Trichlorophenol	0.34380	0.34503	0.34503	0.010	0.35814	50.00000	Averaged
71 2-Chloronaphthalene	1.12571	1.09768	1.09768	0.010	-2.48963	50.00000	Averaged
73 2-Nitroaniline	0.34119	0.32550	0.32550	0.010	-4.59608	50.00000	Averaged
76 Dimethylphthalate	1.29606	1.28355	1.28355	0.010	-0.96554	50.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 02-OCT-2010 16:11
 Lab File ID: HSL1002H.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
 Analysis Type: Init. Cal. Times: 17:32 15:00
 Lab Sample ID: HSL_050 ug/ml ICV Quant Type: ISTD
 Method: \\sv5\c\chem\sv5.i\100210.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Acenaphthylene	1.96037	1.90194	1.90194	0.010	-2.98044	50.00000	Averaged
79 2,6-Dinitrotoluene	0.30197	0.30334	0.30334	0.010	0.45457	50.00000	Averaged
80 3-Nitroaniline	0.37693	0.37836	0.37836	0.010	0.38563	50.00000	Averaged
81 Acenaphthene	1.24787	1.19989	1.19989	0.010	-3.84461	20.00000	Averaged
82 2,4-Dinitrophenol	50.00000	48.07731	0.16950	0.050	-3.84537	0.000e+000	Quadratic
83 Dibenzofuran	1.65612	1.64309	1.64309	0.010	-0.78683	50.00000	Averaged
84 4-Nitrophenol	0.15634	0.16205	0.16205	0.050	3.65012	50.00000	Averaged
86 2,4-Dinitrotoluene	0.39633	0.40639	0.40639	0.010	2.53669	50.00000	Averaged
91 Fluorene	1.37139	1.36209	1.36209	0.010	-0.67828	50.00000	Averaged
92 Diethylphthalate	1.32699	1.28445	1.28445	0.010	-3.20581	50.00000	Averaged
93 4-Chlorophenyl-phenylether	0.57019	0.56986	0.56986	0.010	-0.05862	50.00000	Averaged
94 4-Nitroaniline	0.37361	0.40608	0.40608	0.010	8.68956	50.00000	Averaged
97 4,6-Dinitro-2-methylphenol	50.00000	48.62001	0.13800	0.010	-2.75999	0.000e+000	Linear
98 N-Nitrosodiphenylamine	0.60628	0.49086	0.49086	0.010	-19.03836	20.00000	Averaged
100 Azobenzene	0.78660	0.77322	0.77322	0.010	-1.70096	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.19527	0.19536	0.19536	0.010	0.04546	50.00000	Averaged
108 Hexachlorobenzene	0.21807	0.22026	0.22026	0.010	1.00466	50.00000	Averaged
110 Pentachlorophenol	50.00000	50.72441	0.13218	0.010	1.44881	0.000e+000	Linear
114 Phenanthrene	1.26074	1.20864	1.20864	0.010	-4.13307	50.00000	Averaged
115 Anthracene	1.25955	1.22825	1.22825	0.010	-2.48429	50.00000	Averaged
118 Carbazole	1.15061	1.15083	1.15083	0.010	0.01942	50.00000	Averaged
120 Di-n-Butylphthalate	1.38442	1.39149	1.39149	0.010	0.51078	50.00000	Averaged
126 Fluoranthene	1.12969	1.19302	1.19302	0.010	5.60642	20.00000	Averaged
127 Benzidine	0.81067	0.30175	0.30175	0.010	-62.77740	50.00000	Averaged
128 Pyrene	1.25025	1.13023	1.13023	0.010	-9.59978	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.71564	0.26880	0.26880	0.010	-62.43954	50.00000	Averaged
136 Butylbenzylphthalate	0.62663	0.58836	0.58836	0.010	-6.10747	50.00000	Averaged
138 Benzo(a)Anthracene	1.06548	0.99285	0.99285	0.010	-6.81596	50.00000	Averaged
139 Chrysene	1.08994	1.04703	1.04703	0.010	-3.93621	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.40189	0.37691	0.37691	0.010	-6.21534	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.86316	0.80149	0.80149	0.010	-7.14468	50.00000	Averaged
142 Di-n-octylphthalate	1.37975	1.27404	1.27404	0.010	-7.66156	20.00000	Averaged
144 Benzo(b)fluoranthene	0.90549	0.90498	0.90498	0.010	-0.05663	50.00000	Averaged
145 Benzo(k)fluoranthene	1.16236	1.22175	1.22175	0.010	5.10982	50.00000	Averaged
147 Benzo(e)pyrene	0.94425	0.98421	0.98421	0.010	4.23177	50.00000	Averaged
148 Benzo(a)pyrene	1.02655	0.95393	0.95393	0.010	-7.07365	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.83029	0.81846	0.81846	0.010	-1.42489	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.92758	0.99090	0.99090	0.010	6.82730	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.00427	1.08674	1.08674	0.010	8.21177	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.06785	2.12673	2.12673	0.010	2.84748	50.00000	Averaged

See RT
 See AD
 10/3/10

TestAmerica West Sacramento

Method 8270C
 Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002H.D
 Lab Smp Id: HSL_050 ug/ml ICV Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 16:11
 Operator : KT Inst ID: sv5.i
 Smp Info : HSL_050 ug/ml ICV;2;;4;;;4
 Misc Info : 3;;0;1_8270STD.SUB;10MSSV0314;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Meth Date : 03-Oct-2010 11:20 sv5.i Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 8 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1_8270STD.SUB
 Target Version: 4.14
 Processing Host: SACP307UM

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152		3.954	3.954	(1.000)	98364	40.0000		
* 2 Naphthalene-d8	136		5.374	5.374	(1.000)	431655	40.0000		
* 3 Acenaphthene-d10	164		7.468	7.468	(1.000)	236662	40.0000		
* 4 Phenanthrene-d10	188		9.405	9.405	(1.000)	380734	40.0000		
* 5 Chrysene-d12	240		13.789	13.789	(1.000)	421719	40.0000		
* 6 Perylene-d12	264		16.173	16.173	(1.000)	419419	40.0000		
\$ 7 2-Fluorophenol	112		2.732	2.732	(0.691)	173424	50.0000	50.02	
\$ 8 Phenol-d5	99		3.613	3.613	(0.914)	215057	50.0000	49.33	
\$ 9 2-Chlorophenol-d4	132		3.747	3.747	(0.948)	190953	50.0000	49.87	
\$ 10 1,2-Dichlorobenzene-d4	152		4.151	4.151	(1.050)	121113	50.0000	49.99	
\$ 11 Nitrobenzene-d5	82		4.576	4.576	(0.852)	176474	50.0000	48.27	
\$ 12 2-Fluorobiphenyl	172		6.680	6.680	(0.895)	370679	50.0000	48.62	
\$ 13 2,4,6-Tribromophenol	330		8.483	8.483	(1.136)	52721	50.0000	51.26	
\$ 14 Terphenyl-d14	244		12.017	12.017	(0.871)	390377	50.0000	47.00	
15 N-Nitrosodimethylamine	74		1.706	1.706	(0.431)	112682	50.0000	49.72 (Q)	
16 Pyridine	79		1.726	1.726	(0.437)	183306	50.0000	48.37	
23 Aniline	93		3.654	3.654	(0.924)	234254	50.0000	42.21	
24 Phenol	94		3.623	3.623	(0.916)	247561	50.0000	49.41 (Q)	
26 Bis(2-chloroethyl)ether	93		3.716	3.716	(0.940)	174215	50.0000	49.59	
27 2-Chlorophenol	128		3.768	3.768	(0.953)	193809	50.0000	50.40	
28 1,3-Dichlorobenzene	146		3.913	3.913	(0.990)	214069	50.0000	51.10	
29 1,4-Dichlorobenzene	146		3.975	3.975	(1.005)	218414	50.0000	49.86	
30 Benzyl Alcohol	108		4.120	4.120	(1.042)	131750	50.0000	50.98	
31 1,2-Dichlorobenzene	146		4.172	4.172	(1.055)	201823	50.0000	50.12	
32 2-Methylphenol	108		4.255	4.255	(1.076)	174371	50.0000	49.58	
33 2,2'-oxybis(1-Chloropropane)	45		4.296	4.296	(1.086)	263312	50.0000	47.09	
34 4-Methylphenol	108		4.410	4.410	(1.115)	175092	50.0000	46.87	
36 Hexachloroethane	117		4.504	4.504	(1.139)	76332	50.0000	51.19	
37 N-Nitrosodipropylamine	70		4.442	4.442	(1.123)	122786	50.0000	49.35	
42 Nitrobenzene	77		4.597	4.597	(0.855)	175102	50.0000	49.00	
44 Isophorone	82		4.856	4.856	(0.904)	336530	50.0000	48.97	
45 2-Nitrophenol	139		4.960	4.960	(0.923)	108399	50.0000	51.12	
46 2,4-Dimethylphenol	107		5.012	5.012	(0.933)	178479	50.0000	47.37	

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	201982	50.0000	48.10
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	145389	50.0000	49.88
50 Benzoic Acid	122	5.115	5.115	(0.952)	109446	50.0000	52.48
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	152177	50.0000	48.22
52 Naphthalene	128	5.395	5.395	(1.004)	577964	50.0000	48.49
54 4-Chloroaniline	127	5.488	5.488	(1.021)	219411	50.0000	46.97
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	79543	50.0000	51.50
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	158858	50.0000	48.80
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	383110	50.0000	51.17
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	95339	50.0000	53.99
69 2,4,6-Trichlorophenol	196	6.587	6.587	(0.882)	96032	50.0000	50.86
70 2,4,5-Trichlorophenol	196	6.628	6.628	(0.888)	102070	50.0000	50.18
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	324725	50.0000	48.76
73 2-Nitroaniline	65	6.949	6.949	(0.931)	96293	50.0000	47.70
76 Dimethylphthalate	163	7.229	7.229	(0.968)	379709	50.0000	49.52
77 Acenaphthylene	152	7.281	7.281	(0.975)	562646	50.0000	48.51
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	89736	50.0000	50.23
80 3-Nitroaniline	138	7.457	7.457	(0.999)	111929	50.0000	50.19
81 Acenaphthene	153	7.509	7.509	(1.006)	354961	50.0000	48.08
82 2,4-Dinitrophenol	184	7.582	7.582	(1.015)	50142	50.0000	48.08
83 Dibenzofuran	168	7.706	7.706	(1.032)	486071	50.0000	49.61
84 4-Nitrophenol	109	7.675	7.675	(1.028)	47938	50.0000	51.82 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	120220	50.0000	51.27
91 Fluorene	166	8.131	8.131	(1.089)	402944	50.0000	49.66
92 Diethylphthalate	149	8.100	8.100	(1.085)	379976	50.0000	48.40
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	168579	50.0000	49.97
94 4-Nitroaniline	138	8.214	8.214	(1.100)	120129	50.0000	54.34
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	65675	50.0000	48.62
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	273788	58.6000	47.44
100 Azobenzene	77	8.359	8.359	(0.889)	367990	50.0000	49.15
101 4-Bromophenyl-phenylether	248	8.804	8.804	(0.936)	92973	50.0000	50.02
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	104824	50.0000	50.50
110 Pentachlorophenol	266	9.240	9.240	(0.982)	62906	50.0000	50.72
114 Phenanthrene	178	9.437	9.437	(1.003)	575211	50.0000	47.93
115 Anthracene	178	9.509	9.509	(1.011)	584548	50.0000	48.76
118 Carbazole	167	9.768	9.768	(1.039)	547701	50.0000	50.01
120 Di-n-Butylphthalate	149	10.473	10.473	(1.113)	662234	50.0000	50.26
126 Fluoranthene	202	11.302	11.302	(1.202)	567781	50.0000	52.80
127 Benzidine	184	11.582	11.582	(0.840)	159069	50.0000	18.61
128 Pyrene	202	11.665	11.665	(0.846)	595801	50.0000	45.20
134 3,3'-dimethylbenzidine	212	12.877	12.877	(0.934)	141696	50.0000	18.78
136 Butylbenzylphthalate	149	12.991	12.991	(0.942)	310154	50.0000	46.95
138 Benzo (a) Anthracene	228	13.758	13.758	(0.998)	523382	50.0000	46.59
139 Chrysene	228	13.830	13.830	(1.003)	551943	50.0000	48.03
140 3,3'-Dichlorooenzidine	252	13.799	13.799	(1.001)	198689	50.0000	46.89
141 bis(2-ethylhexyl) Phthalate	149	14.110	14.110	(1.023)	422505	50.0000	46.43
142 Di-n-octylphthalate	149	15.167	15.167	(1.100)	671608	50.0000	46.17
144 Benzo (b) fluoanthene	252	15.582	15.582	(0.963)	474456	50.0000	49.97 (Q)
145 Benzo (k) fluoanthene	252	15.623	15.623	(0.966)	640533	50.0000	52.55
147 Benzo (e) pyrene	252	16.007	16.007	(0.990)	515993	50.0000	52.12
148 Benzo (a) pyrene	252	16.079	16.079	(0.994)	500123	50.0000	46.46
151 Indeno (1,2,3-cd) pyrene	276	17.810	17.810	(1.101)	429096	50.0000	49.29
152 Dibenzo (a,h) anthracene	278	17.851	17.851	(1.104)	519505	50.0000	53.41
153 Benzo (g,h,i) perylene	276	18.235	18.235	(1.127)	569749	50.0000	54.10

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
===== M 162 benzo b,k Fluoranthene Totals	==== 252		====	====	====	==== 1114989	==== 50.0000	====

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i Calibration Date: 02-OCT-2010
 Lab File ID: HSL1002H.D Calibration Time: 13:44
 Lab Smp Id: HSL 050 ug/ml ICV Client Smp ID: 8270F.M
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: KT
 Method File: \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Misc Info: 3;;0;1_8270STD.SUB;10MSSV0314;0;8270F.M

Test Mode:
 Use Initial Calibration Level 4.

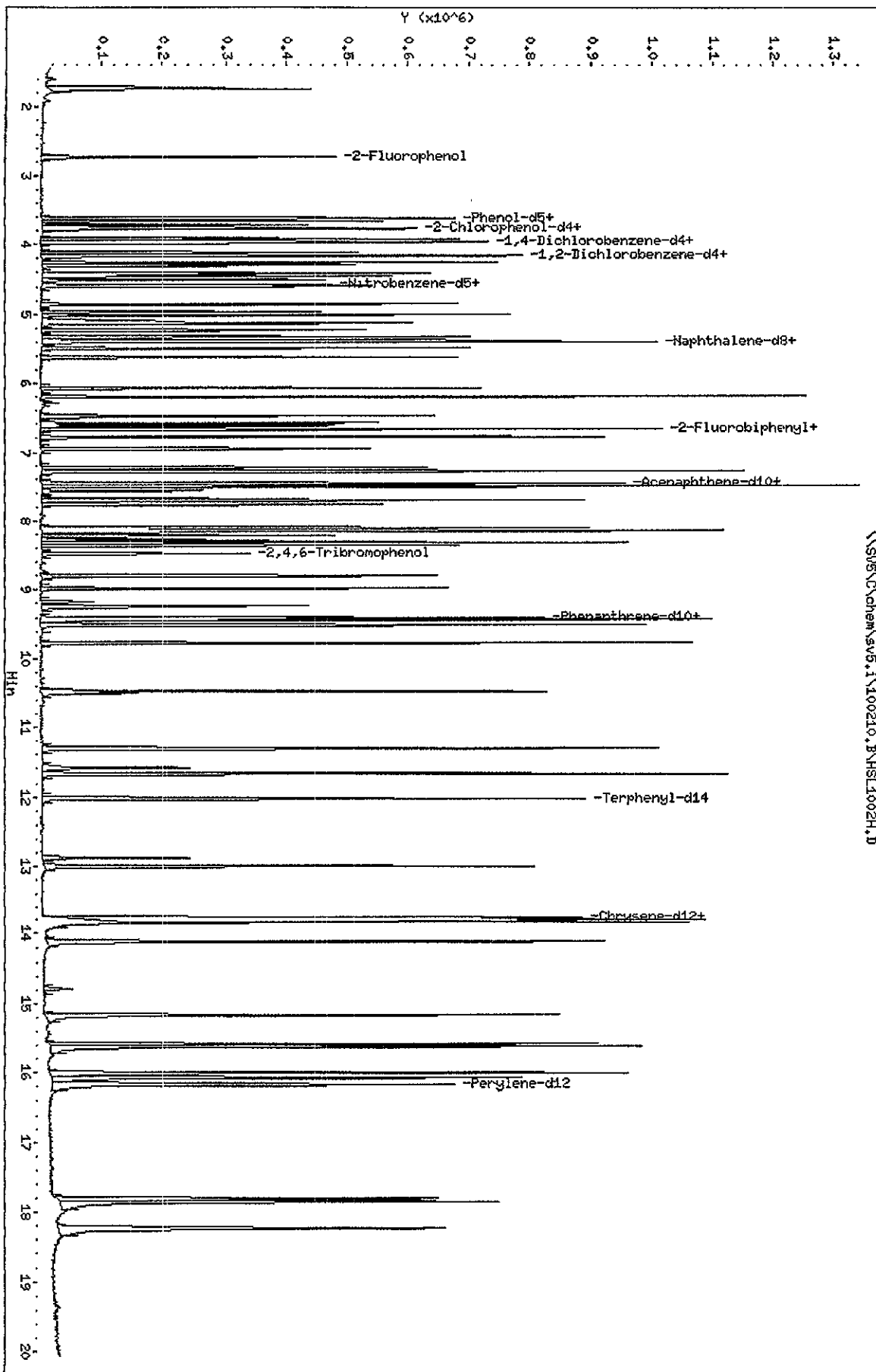
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	98364	-19.78
2 Naphthalene-d8	530514	265257	1061028	431655	-18.63
3 Acenaphthene-d10	282538	141269	565076	236662	-16.24
4 Phenanthrene-d10	462722	231361	925444	380734	-17.72
5 Chrysene-d12	435850	217925	871700	421719	-3.24
6 Perylene-d12	422284	211142	844568	419419	-0.68

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.95	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.79	13.29	14.29	13.79	0.00
6 Perylene-d12	16.17	15.67	16.67	16.17	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SVS\C\chem\sv5.1\100210.B\HSL1002H.D
Date: 02-OCT-2010 16:11
Client ID: 8270F.M
Sample Info: HSL_050 ug/ml ICVf2;4;3;4
Column phase:

Instrument: sv5.1
Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 02-OCT-2010 16:36
Lab File ID: HSL1002H1.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
Analysis Type: Init. Cal. Times: 17:32 15:00
Lab Sample ID: Benzidines ICV 50ug Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\100210.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RF50	MIN RRF	MAX %D / %DRIPT	CURVE TYPE	
127 Benzidine	0.81067	0.92336	0.92336	0.010	13.89989	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.71564	0.78974	0.78974	0.010	10.35198	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.40189	0.42433	0.42433	0.010	5.58428	50.00000	Averaged

LA
10-3-10

TestAmerica West Sacramento

Method 8270C
 Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002H1.D
 Lab Smp Id: Benzidines ICV 50ug Client Smp ID: 8270F.M
 Inj Date : 02-OCT-2010 16:36
 Operator : KT Inst ID: sv5.i
 Smp Info : Benzidines ICV 50ug/mL;2;;4;;;4
 Misc Info : 3;;0;BenzICV.SUB;10MSSV0342;0;8270F.M
 Comment : SOP SAC-MS-0005
 Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Meth Date : 03-Oct-2010 11:13 truongk Quant Type: ISTD
 Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
 Als bottle: 9 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: BenzICV.SUB
 Target Version: 4.14
 Processing Host: SACP307UM

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.954	3.954	(1.000)	115503	40.0000	
* 2 Naphthalene-d8	136	5.364	5.364	(1.000)	480485	40.0000	
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	254190	40.0000	
* 4 Phenanthrene-d10	188	9.405	9.405	(1.000)	405333	40.0000	
* 5 Chrysene-d12	240	13.779	13.779	(1.000)	378068	40.0000	
* 6 Perylene-d12	264	16.162	16.162	(1.000)	372382	40.0000	
127 Benzidine	184	11.571	11.571	(0.840)	436364	50.0000	56.95
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	373217	50.0000	55.18
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	200534	50.0000	52.79

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: sv5.i
 Lab File ID: HSL1002H1.D
 Lab Smp Id: Benzidines ICV 50ug
 Analysis Type: SV
 Quant Type: ISTD
 Operator: KT
 Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
 Misc Info: 3;;0;BenzICV.SUB;10MSSV0342;0;8270F.M

Calibration Date: 02-OCT-2010
 Calibration Time: 13:44
 Client Smp ID: 8270F.M
 Level:
 Sample Type:

Test Mode:
 Use Initial Calibration Level 4.

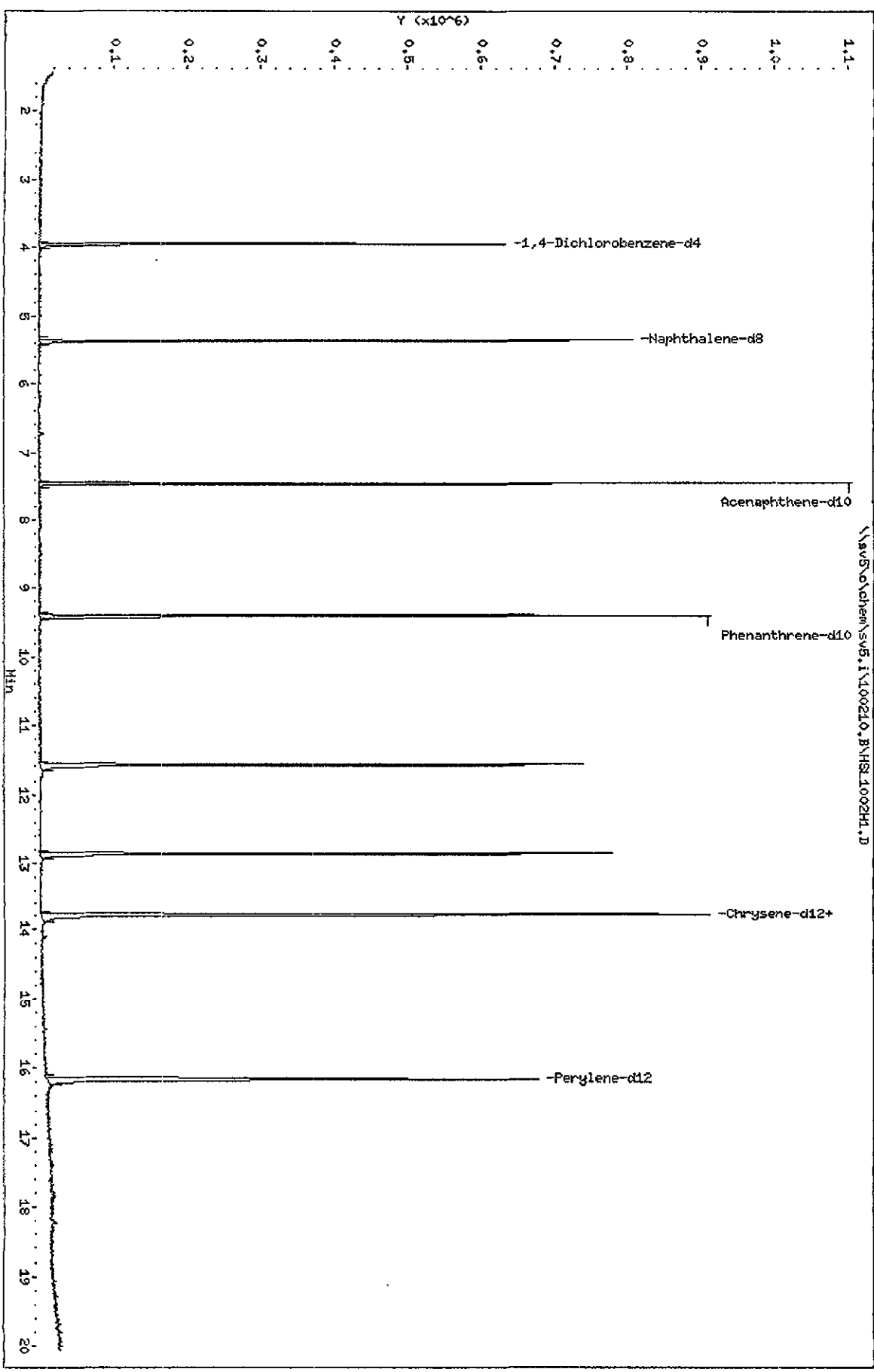
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	122625	61313	245250	115503	-5.81
2 Naphthalene-d8	530514	265257	1061028	480485	-9.43
3 Acenaphthene-d10	282538	141269	565076	254190	-10.03
4 Phenanthrene-d10	462722	231361	925444	405333	-12.40
5 Chrysene-d12	435850	217925	871700	378068	-13.26
6 Perylene-d12	422284	211142	844568	372382	-11.82

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.95	0.00
2 Naphthalene-d8	5.36	4.86	5.86	5.36	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\chem\sv5.i\100210.B\HSL1002H1.D
Date : 02-OCT-2010 16:36
Client ID: 8270F.H
Sample Info: Benzidines ICV 50ug/mL:2j4j1j14

Instrument: sv5.1
Operator: KI
Column diameter: 2.00



TestAmerica West Sacramento
INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
 End Cal Date : 02-OCT-2010 15:00
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 4.14
 Integrator : Falcon
 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Last Edit : 03-Oct-2010 11:07 sv5.i
 Curve Type : Average

Calibration File Names:

- Level 1: \\SV5\C\chem\sv5.i\081710.B\AP90817A.D
- Level 2: \\SV5\C\chem\sv5.i\081710.B\AP90817B.D
- Level 3: \\SV5\C\chem\sv5.i\081710.B\AP90817C.D
- Level 4: \\SV5\C\chem\sv5.i\081710.B\AP90817D.D
- Level 5: \\SV5\C\chem\sv5.i\081710.B\AP90817E.D
- Level 6: \\SV5\C\chem\sv5.i\081710.B\AP90817F.D
- Level 7: \\SV5\C\chem\sv5.i\081710.B\AP90817G.D

original RRF
10/3/10

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	± RSD
15 N-Nitrosodimethylamine	0.92899 0.93833	0.88268	0.91048	0.91970	0.93146	0.93916	0.92154	2.162
16 Pyridine	1.67117 1.52623	1.37423	1.59449	1.56610	1.52299	1.53256	1.54111	5.856
23 Aniline	2.20796 2.33783	2.15935	2.19988	2.26058	2.29749	2.33400	2.25673	3.098
24 Phenol	2.04111 2.06740	1.96212	2.02834	2.03430	2.06683	2.06089	2.03729	1.802
26 Bis(2-chloroethyl) ether	1.47335 1.44264	1.38252	1.39491	1.43824	1.42549	1.44300	1.42859	2.170
27 2-Chlorophenol	1.52099 1.57039	1.55595	1.56903	1.58168	1.56789	1.58074	1.56381	1.328
28 1,3-Dichlorobenzene	1.68903 1.72457	1.69173	1.67754	1.73135	1.68641	1.72299	1.70337	1.294
29 1,4-Dichlorobenzene	1.77122 1.81444	1.79861	1.74013	1.76898	1.78200	1.79288	1.78118	1.352

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
 End Cal Date : 02-OCT-2010 15:00
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 4.14
 Integrator : Falcon
 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Last Edit : 03-Oct-2010 11:07 sv5.i
 Curve Type : Average

Compound	5.000	10.000	20.000	50.000	80.000	120.000	RRP	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	160.000							
	Level 7							
30 Benzyl Alcohol	1.01643 1.09506	1.03654	0.99182	1.04980	1.07792	1.08952	1.05101	3.697
31 1,2-Dichlorobenzene	1.62008 1.64691	1.63185	1.60455	1.68061	1.63410	1.64415	1.63746	1.459
32 2-Methylphenol	1.40818 1.47889	1.38930	1.39110	1.42620	1.45565	1.46154	1.43012	2.506
33 2,2'-oxybis(1-Chloropropane)	2.29602 2.28770	2.22080	2.28329	2.27928	2.27018	2.27830	2.27365	1.085
34 4-Methylphenol	1.48606 1.58763	1.48913	1.46270	1.52239	1.52653	1.55886	1.51904	2.884
36 Hexachloroethane	0.60925 0.60919	0.60836	0.60573	0.61394	0.60427	0.59381	0.60636	1.043
37 N-Nitrosodipropylamine	0.94498 1.04757	0.97005	1.01302	1.02370	1.04700	1.03627	1.01180	3.926
42 Nitrobenzene	0.32855 0.33901	0.32602	0.32543	0.33083	0.33379	0.33450	0.33116	1.489
44 Isophorone	0.63431 0.65411	0.62291	0.61160	0.63344	0.63648	0.66468	0.63679	2.811
45 2-Nitrophenol	0.18608 0.20508	0.18833	0.18840	0.20021	0.20022	0.20702	0.19648	4.423
46 2,4-Dimethylphenol	0.34459 0.35785	0.34167	0.34307	0.34912	0.34788	0.35962	0.34911	2.028

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
 End Cal Date : 02-OCT-2010 15:00
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 4.14
 Integrator : Falcon
 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Last Edit : 03-Oct-2010 11:07 sv5.i
 Curve Type : Average

Compound	5.000	10.000	20.000	50.000	80.000	120.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	160.000							
	Level 7							
47 Bis(2-chloroethoxy)methane	0.41146 0.38545	0.37494	0.38555	0.38249	0.38500	0.39859	0.38908	3.106
49 2,4-Dichlorophenol	0.25434 0.27809	0.26318	0.27019	0.27037	0.27274	0.28180	0.27010	3.393
50 Benzoic Acid	0.16747 0.22180	0.16266	0.17423	0.19357	0.21024	0.22272	0.19324	13.252
51 1,2,4-Trichlorobenzene	0.29430 0.29091	0.28827	0.28475	0.29747	0.29189	0.29959	0.29246	1.760
52 Naphthalene	1.09939 1.10247	1.12462	1.07435	1.09325	1.09870	1.13821	1.10443	1.900
54 4-Chloroaniline	0.40751 0.43867	0.42534	0.43264	0.43910	0.43781	0.44905	0.43288	3.068
57 Hexachlorobutadiene	0.14295 0.14473	0.13812	0.14428	0.14415	0.14385	0.14379	0.14313	1.589
60 4-Chloro-3-Methylphenol	0.29329 0.30839	0.28866	0.29079	0.30972	0.30295	0.31766	0.30164	3.644
63 2-Methylnaphthalene	0.68483 0.69217	0.68064	0.68080	0.70067	0.70560	0.71172	0.69378	1.797
66 Hexachlorocyclopentadiene	0.26878 0.33186	0.27757	0.28896	0.29704	0.30236	0.32262	0.29846	7.645
69 2,4,6-Trichlorophenol	0.31186 0.33638	0.29820	0.30223	0.31996	0.32305	0.34225	0.31913	5.157

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
 End Cal Date : 02-OCT-2010 15:00
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 4.14
 Integrator : Falcon
 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Last Edit : 03-Oct-2010 11:07 sv5.i
 Curve Type : Average

Compound	5.000	10.000	20.000	50.000	80.000	120.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	160.000							
	Level 7							
70 2,4,5-Trichlorophenol	0.30823 0.36135	0.32892	0.33796	0.36298	0.35236	0.35480	0.34380	5.807
71 2-Chloronaphthalene	1.13629 1.15096	1.09411	1.10012	1.14181	1.11220	1.14447	1.12571	2.051
73 2-Nitroaniline	0.31576 0.36278	0.31759	0.33397	0.35205	0.34821	0.35794	0.34119	5.573
76 Dimethylphthalate	1.23388 1.30237	1.25191	1.29803	1.34568	1.31165	1.32891	1.29606	3.093
77 Acenaphthylene	1.86531 2.02968	1.91304	1.91818	2.01646	1.98204	1.99786	1.96037	3.150
79 2,6-Dinitrotoluene	0.28347 0.31106	0.27378	0.29890	0.31220	0.31294	0.32140	0.30197	5.786
80 3-Nitroaniline	0.35362 0.39603	0.34622	0.35978	0.40036	0.38674	0.39559	0.37691	6.069
81 Acenaphthene	1.25874 1.25463	1.22468	1.26733	1.27046	1.21141	1.24781	1.24787	1.768
82 2,4-Dinitrophenol	0.10149 0.20232	0.11058	0.14485	0.16667	0.18378	0.20563	0.15933	26.349
83 Dibenzofuran	1.57786 1.71077	1.62124	1.65200	1.69530	1.65117	1.68450	1.65612	2.779
84 4-Nitrophenol	0.12712 0.17404	0.14148	0.15316	0.16076	0.17130	0.16653	0.15634	10.909

TestAmerica West Sacramento
INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
 End Cal Date : 02-OCT-2010 15:00
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 4.14
 Integrator : Falcon
 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Last Edit : 03-Oct-2010 11:07 sv5.i
 Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
86 2,4-Dinitrotoluene	0.34360 0.43110	0.35989	0.38479	0.42154	0.41035	0.42305	0.39633	8.616
91 Fluorene	1.34567 1.40640	1.33840	1.34292	1.39902	1.38899	1.37835	1.37139	2.086
92 Diethylphthalate	1.22240 1.38087	1.29889	1.31549	1.37912	1.31873	1.37345	1.32699	4.319
93 4-Chlorophenyl-phenylether	0.54964 0.57695	0.55917	0.56887	0.59265	0.56708	0.57695	0.57019	2.429
94 4-Nitroaniline	0.33346 0.40452	0.33747	0.37329	0.38337	0.39216	0.39102	0.37361	7.424
97 4,6-Dinitro-2-methylphenol	0.09316 0.15229	0.10533	0.12545	0.13163	0.14105	0.15288	0.12883	17.707
98 N-Nitrosodiphenylamine	0.57756 0.61968	0.59736	0.60533	0.60433	0.62172	0.61801	0.60628	2.577
100 Azobenzene	0.77527 0.77331	0.76965	0.77321	0.79522	0.80064	0.81892	0.78660	2.371
101 4-Bromophenyl-phenylether	0.18964 0.19815	0.18507	0.19281	0.19931	0.19607	0.20581	0.19527	3.488
108 Hexachlorobenzene	0.22958 0.21854	0.22054	0.20740	0.21605	0.21731	0.21704	0.21807	3.009
110 Pentachlorophenol	0.09427 0.13770	0.09851	0.11582	0.11736	0.13228	0.13923	0.11931	15.221

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

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 Last Edit : 03-Oct-2010 11:07 sv5.i
 Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
114 Phenanthrene	1.30347 1.26611	1.26007	1.25408	1.24163	1.24375	1.25610	1.26074	1.643
115 Anthracene	1.25034 1.26958	1.21759	1.24206	1.25982	1.27529	1.30214	1.25955	2.129
118 Carbazole	1.13211 1.16455	1.12547	1.13694	1.14260	1.17067	1.18192	1.15061	1.878
120 Di-n-Butylphthalate	1.28492 1.48636	1.32287	1.36193	1.38164	1.41474	1.43847	1.38442	4.973
126 Fluoranthene	1.03840 1.17440	1.07611	1.17216	1.10520	1.15861	1.18294	1.12969	5.018
127 Benzidine	0.78175 0.86381	0.76431	0.75250	0.82658	0.82201	0.86375	0.81067	5.606
128 Pyrene	1.25791 1.25794	1.23783	1.17078	1.28684	1.25586	1.28463	1.25025	3.122
134 3,3'-dimethylbenzidine	0.65472 0.79926	0.64388	0.67361	0.70756	0.73630	0.79414	0.71564	8.888
136 Butylbenzylphthalate	0.64984 0.64920	0.60187	0.59142	0.62586	0.61590	0.65233	0.62663	3.950
138 Benzo(a)Anthracene	1.10169 1.10920	0.99731	1.03245	1.04489	1.06449	1.10831	1.06548	4.058
139 Chrysene	1.05284 1.12246	1.10175	1.06320	1.09705	1.06985	1.12241	1.08994	2.594

TestAmerica West Sacramento

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 Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
 Last Edit : 03-Oct-2010 11:07 sv5.i
 Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	± RSD
	160.000 Level 7							
140 3,3'-Dichlorobenzidine	0.39148 0.42415	0.37695	0.39090	0.39906	0.40353	0.42717	0.40189	4.539
141 bis(2-ethylhexyl) Phthalate	0.91826 0.88354	0.80897	0.84032	0.85193	0.84371	0.89539	0.86316	4.348
142 Di-n-octylphthalate	1.34838 1.50770	1.23185	1.35627	1.34433	1.39356	1.47616	1.37975	6.651
144 Benzo(b)fluoranthene	0.81012 1.02572	0.81077	0.82747	0.99930	0.95373	0.91132	0.90549	10.058
145 Benzo(k)fluoranthene	1.22939 1.10447	1.16528	1.20022	1.09895	1.14223	1.19597	1.16236	4.279
147 Benzo(e)pyrene	0.90394 0.97185	0.92734	0.90757	0.95977	0.96997	0.96929	0.94425	3.220
148 Benzo(a)pyrene	0.98300 1.06523	0.97686	0.99402	1.02789	1.07610	1.06275	1.02655	4.111
151 Indeno(1,2,3-cd)pyrene	0.73783 0.97995	0.73267	0.73671	0.84698	0.84057	0.93730	0.83029	12.151
152 Dibenzo(a,h)anthracene	0.88099 1.00392	0.84384	0.87256	0.92240	0.95990	1.00944	0.92758	7.071
153 Benzo(g,h,i)perylene	0.96025 1.04026	0.98457	0.97380	0.99974	1.01731	1.05397	1.00427	3.452
M 152 benzo b,k Fluoranthene Totals	2.03951 2.13019	1.97605	2.02770	2.09825	2.09596	2.10729	2.06785	2.649

TestAmerica West Sacramento

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 Last Edit : 03-Oct-2010 11:07 sv5.i
 Curve Type : Average

Compound	5.000	10.000	20.000	50.000	80.000	120.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	160.000							
	Level 7							
\$ 7 2-Fluorophenol	1.44503 1.43635	1.30436	1.38373	1.44170	1.43535	1.42292	1.40992	3.615
\$ 8 Phenol-d5	1.72227 1.83627	1.67335	1.74151	1.79006	1.80863	1.83864	1.77296	3.520
\$ 9 2-Chlorophenol-d4	1.47770 1.57804	1.55530	1.53916	1.59414	1.57486	1.57967	1.55698	2.524
\$ 10 1,2-Dichloroenezene-d4	0.95776 0.98896	0.98111	0.99827	0.98914	0.99518	0.98547	0.98513	1.356
\$ 11 Nitrobenzene-d5	0.33028 0.33970	0.34256	0.33065	0.34105	0.33606	0.35127	0.33879	2.162
\$ 12 2-Fluorobiphenyl	1.28499 1.30010	1.26007	1.27668	1.34206	1.25854	1.29723	1.28852	2.226
\$ 13 2,4,6-Tribromophenol	0.15034 0.18390	0.16527	0.17466	0.17926	0.17825	0.18501	0.17381	7.052
\$ 14 Terphenyl-d14	0.78508 0.80107	0.78616	0.73917	0.80441	0.78047	0.81889	0.78789	3.214

Sample Extraction/Preparation Log
Copies and Checklists

**TestAmerica West Sacramento
Organic Prep Log
8270 Air**

Box # Air Tox # 289
Shared QC Batch: N/A
Shares QC With: N/A



Internal COC:	
Delivered to Inst.:	<u>10/2/10</u>
Inst Receipt:	

Batch: 0274373
MS Run #:
Prep Date: 10/1/2010
Method: JZ TO-13
Matrix: S AIR
Extraction: 11 SOXHLET (NONE, Na2SO4)
QC: 3W AMBIENT AIR TESTING
SAC: JZ - S - 11 - 3W

*** RUSH ***

Prep Reagents		
Reagent	Supplier	Lot #
1:1 DCM:Acetone	NA	<u>N/A</u>
DCM	Baker	<u>J25501</u>
Na2SO4	Baker	<u>N/A</u>

WS-OP-0006

Soxhlet time on: 18:00 (10/1/10) Soxhlet time off: 10:00 (10/2/10)

Extraction Table							
Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume		Analysis Hold Time Expires
					1mL	Other	
G0I280575 - 2		L7MEF1AC	9/30/2010	1.0	✓		11/2/2010
G0I280575 - 4		L7MEM1AC	10/1/2010	1.0	✓		11/3/2010
G0I280575 - 6		L7MEP1AC	10/1/2010	1.0	✓		11/3/2010
G0I280575 - 8		L7MER1AC	10/4/2010	1.0	✓		11/6/2010
G0I280575 - 10		L7MEX1AC	10/4/2010	1.0	✓		11/6/2010
G0I280575 - 12		L7ME21AC	9/30/2010	1.0	✓		11/2/2010
G0I280575 - 14		L7ME41AC	9/30/2010	1.0	✓		11/2/2010
G0I280575 - 16		L7ME61AC	10/1/2010	1.0	✓		11/3/2010
G0I280575 - 18		L7ME91AC	10/1/2010	1.0	✓		11/3/2010
G0I280575 - 20		L7MFD1AC	10/4/2010	1.0	✓		11/6/2010
G0I280575 - 22		L7MFF1AC	10/4/2010	1.0	✓		11/6/2010
G0J010000 - 373	B	L7VVM1AA	9/30/2010	1.0	✓		11/2/2010
G0J010000 - 373	C	L7VVM1AC	9/30/2010	1.0	✓		11/2/2010
G0J010000 - 373	L	L7VVM1AD	9/30/2010	1.0	✓		11/2/2010
G0J010524 - 2		L7VDD1AA	9/29/2010	1.0	✓		11/1/2010
G0J010524 - 4		L7VDF1AA	9/29/2010	1.0	✓		11/1/2010

- XAD / PUF PUF-XAD
- Filter
- Impinger

Comments/NCMs: Some samples extracted out of hold time by client's request
BECAUSE 10/1/10

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Surrogate Spike All Samples	<u>250ul/10AIR021/AGN SULT</u>	<u>2/27/11</u>	<u>ECF</u>	<u>JZ</u>	<u>10/1/10</u>
Spike Mix LCS/LCSD/MS/MS	<u>1.0mL/10AIR027/4270/105M2-1</u>	<u>1/1/11</u>	<u>ECF</u>	<u>JZ</u>	<u>10/1/10</u>
Pre-Spike Standard All Samples	<u>250ul/10AIR020/1,2-19</u>	<u>2/27/11</u>	<u>ECF</u>	<u>JZ</u>	<u>10/1/10</u>
Internal Standard All Samples	<u>20ul 10mSSV0084</u>	<u>4-8-11</u>	<u>LT</u>	<u>JZ</u>	<u>10-4-10</u>
Soxhlet Extraction Analyst/Date	<u>ECF 10/1/10</u>	Concentration Analyst/Date	<u>ECF 10/2/10</u>	KD Analyst/Date	<u>ECF 10/2/10</u>
Liq Liq Extraction Analyst/Date	<u>N/A</u>	KD Temp	<u>82°C</u>	Review Analyst/Date	

*** RUSH ***

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/02/10
Time: 18:22:18

LEV 1	LEV 2	LEV 1	LEV 2	Weights/Volumes
Y	Blank	Y	2	Spike & Surrogate Worksheet
Y	Check	Y	2	Vial contains correct volume
-	MS/MSD	Y	-	Labels, greenbars, worksheets
-		-	-	computer batch: correct & all match
-		-	-	Anomalies to Extraction Method

Extractionist: 403162 erica X. Larson
 Concentrationist: 403162 erica X. Larson

 * QC BATCH: 0274373 *
 * *****
 PREP DATE: 10/01/10 16:30
 COMP DATE: 10/02/10 17:00

Reviewer/Date: LARSONE / 10/02/10
 Semivolatile Organics by GCMS in Air (YO-13A)
 SOXHELT (NONE, Na2SO4)

EXTR	ANL	LOT#	MGRUN#	TEST	EXT	MTH	MATRIX	INIT/	FIN	PH'S	ADJ1	ADJ2	EXTRACTION	SOLVENTS	VOL	EXCHANGE	VOL	SPIKE	STANDARD
EXPR	DUE	WORK	ORDER	FLGS				WT/		ADJT			VOL					SURROGATE	ID

9/30/10 10/08/10 L7MER-1-AC G01280575-002 R 11 JZ AIR 1.0Sample NA NA DCM 700.0 .0 250UL/10AIR0121/ABN SURR
 COMMENTS: 1.00mL

10/01/10 10/08/10 L7MER-1-AC G01280575-004 R 11 JZ AIR 1.0Sample NA NA DCM 700.0 .0 250UL/10AIR0121/ABN SURR
 COMMENTS: 1.00mL

10/01/10 10/08/10 L7MER-1-AC G01280575-006 R 11 JZ AIR 1.0Sample NA NA DCM 700.0 .0 250UL/10AIR0121/ABN SURR
 COMMENTS: 1.00mL

10/04/10 10/08/10 L7MER-1-AC G01280575-008 R 11 JZ AIR 1.0Sample NA NA DCM 700.0 .0 250UL/10AIR0121/ABN SURR
 COMMENTS: 1.00mL

10/04/10 10/08/10 L7MER-1-AC G01280575-010 R 11 JZ AIR 1.0Sample NA NA DCM 700.0 .0 250UL/10AIR0121/ABN SURR
 COMMENTS: 1.00mL

9/30/10 10/08/10 L7MER-1-AC G01280575-012 R 11 JZ AIR 1.0Sample NA NA DCM 700.0 .0 250UL/10AIR0121/ABN SURR
 COMMENTS: 1.00mL

9/30/10 10/08/10 L7MER-1-AC G01280575-014 R 11 JZ AIR 1.0Sample NA NA DCM 700.0 .0 250UL/10AIR0121/ABN SURR
 COMMENTS: 1.00mL

RQC058

RestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/02/10
Time: 18:22:18

* QC BATCH: 0274373 *
* PREP DATE: 10/01/10 16:30
* COMP DATE: 10/02/10 17:00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	MSRUN#/ ORDER	TEST FLAGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S INIT ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/01/10	10/08/10	G01280575-016	L7ME6-1-AC	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0	250UL/10AIR0121/ABN SURR
COMMENTS:													
10/01/10	10/08/10	G01280575-018	L7ME9-1-AC	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0	250UL/10AIR0121/ABN SURR
COMMENTS:													
10/04/10	10/08/10	G01280575-020	L7MEF-1-AC	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0	250UL/10AIR0121/ABN SURR
COMMENTS:													
10/04/10	10/08/10	G01280575-022	L7MEF-1-AC	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0	250UL/10AIR0121/ABN SURR
COMMENTS:													
9/29/10	10/08/10	G0J010524-002	L7VDD-1-AA	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0	250UL/10AIR0121/ABN SURR
COMMENTS:													
9/29/10	10/08/10	G0J010524-004	L7VDF-1-AA	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0	250UL/10AIR0121/ABN SURR
COMMENTS:													
9/30/10	0/00/00	G0J010000-373	L7VVM-1-AAB	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0	250UL/10AIR0120/1,2-DIB 250UL/10AIR0121/ABN SURR
COMMENTS:													
9/30/10	0/00/00	G0J010000-373	L7VVM-1-ACC	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0	1.0ML/10AIR0122/8270 MIX 250UL/10AIR0121/ABN SURR
COMMENTS:													
9/30/10	0/00/00	G0J010000-373	L7VVM-1-ADD	R	11	JZ AIR	1.0sample 1.00mL	NA	NA	DCM	700.0	.0	1.0ML/10AIR0122/8270 MIX 250UL/10AIR0121/ABN SURR

R = RUSH C = CLP
E = EPA 600 D = EXP. DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 16

Preparation Data Review Checklist

Prep Batch(es) 0274373

Test: TO-13

Prep Date: 10/1/10

Holding Times: 9/29/10 - 10/4/10 NCM: (Y) N

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

Spike witness: JZ

Date: 10/1/10

2nd Level Reviewer: MAT

Date: 10/4/10

Comments:

TestAmerica West Sacramento
GC/MS Data Review Checklist

Batch: 0274373

Method ID: Semivolatile Organics by GCMS in Air (TO-13A)

NCM: (Y) N 605010524

A. Calibration/Instrument Run QC	Analyst	Reviewer	N/A
1. ICAL or ICAL Summary and CCV included.	✓	✓	
2. ICAL, CCV Criteria met.	✓	✓	
3. Peaks correctly ID'd by data system.	✓	✓	
4. Copy of logbook for ICAL included	✓	✓	
5. Tune criteria (including tailing factor and breakdown) met and copy included.	✓	✓	
6. Method Number is identified on data.	✓	✓	
B. QA/QC			
1. Method blank, LCS/LCSD and MS/SD frequencies met.	✓	✓	
2. LCS/LCSD and MB data is included.	✓	✓	
3. LCS/LCSD and MB data are within control limits. If not, NCM is present in Clouseau.	✓	✓	
4. MS/MSD data complete.			✓
5. Holding Times were met.	✓	✓	
6. All samples within tune time.	✓	✓	
C. Sample Analysis			
1. Logbook copies for all injections made, including ICV standards and ICAL.	✓	✓	
2. Logbooks/prep sheets properly filled out.	✓	✓	
3. Manual Integrations reviewed and appropriate.	✓	✓	
4. All raw data for samples is included (applies to unused data as well)	✓	✓	
5. All analytes correctly reported.	✓	✓	
6. Correct reporting limits used. (based on client request, prep factors, and dilutions)	✓	✓	
7. Spectra present for all positives.	✓	✓	
D. Documentation			
1. Are all nonconformances documented appropriately?	✓	✓	
2. Quantims entry correct, including dates and times.	✓	✓	
3. Appropriate footnotes used.	✓	✓	

Analyst: [Signature]

Date: 10/5/10

2nd Level Reviewer: [Signature]

Date: 10/6/10

Comments: _____

AIR, TO-9, Dioxins/Furans

Raw Data Package

Run/Batch Data

Includes (as applicable):

runlogs

continuing calibration standards

interference/performance check standards

continuing calibration blanks

method blanks

lcs

ms/sd

sample raw data

ms tune data

Run text: L7VVQ-1-AA Sample text: L7VVQ-1-AA :G0J010000-374B
 Run #8 Filename: 06OC101D5 S: 3 I: 1 Results: 06oc101d5to9to9
 Acquired: 6-OCT-10 11:16:08 Processed: 6-OCT-10 18:02:14
 Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 Sample

Jan 10/2010

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	341801000	0.83 y	17:42	-	195.631	-	-	n
13C-2,3,7,8-TCDF	548332000	0.79 y	17:11	1.56	4105.369	2.450	102.6	n
2,3,7,8-TCDF	70758	1.29 n	17:12	0.98	0.525	0.810	-	n
Total TCDF	270541	0.22 n	16:04	0.98	2.006	0.810	-	n
13C-2,3,7,8-TCDD	306247000	0.85 y	17:54	0.92	3891.804	4.123	97.3	n
2,3,7,8-TCDD	136498	0.50 n	17:56	1.03	1.728 <i>DL</i>	1.374	-	n
Total TCDD	291448	2.18 n	17:11	1.03	3.690	1.374	-	n
37Cl-2,3,7,8-TCDD	177041600	1.00 y	17:55	1.23	1885.719	1.716	117.9	n
13C-1,2,3,7,8-PeCDF	407904000	1.62 y	22:12	1.05	4535.225	2.525	113.4	n
1,2,3,7,8-PeCDF	64623	3.19 n	22:11	1.09	0.580	1.325	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	1.02	*	1.422	-	n
Total F2 PeCDF	266377	3.19 n	22:11	1.05	2.456	1.372	-	n
Total F1 PeCDF	183254	1.02 n	15:16	1.05	1.703	1.020 <i>1.88</i>	-	n
13C-1,2,3,7,8-PeCDD	215062100	1.64 y	24:13	0.56	4487.364	1.670	112.2	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.07	*	2.476	-	n
Total PeCDD	182853	3.86 n	22:13	1.07	3.177	2.476	-	n
13C-1,2,3,7,8,9-HxCDD	348271000	1.28 y	30:44	-	212.218	-	-	n
13C-1,2,3,4,7,8-HxCDF	366084000	0.54 y	29:25	0.99	4243.438	2.694	106.1	n
1,2,3,4,7,8-HxCDF	77608	1.59 n	29:26	1.26	0.672	0.878	-	n
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.53	*	0.723	-	n
2,3,4,6,7,8-HxCDF	113131	0.91 n	30:12	1.41	0.878 <i>JL</i>	0.787	-	n
1,2,3,7,8,9-HxCDF	153543	1.01 n	30:55	1.40	1.202 <i>L</i>	0.793	-	n
Total HxCDF	344282	1.59 n	29:26	1.40	2.753 <i>2.08</i>	0.791	-	n
13C-1,2,3,6,7,8-HxCDD	259703000	1.30 y	30:26	0.74	4033.558	1.060	100.8	n
1,2,3,4,7,8-HxCDD	57136	0.65 n	30:22	1.12	0.786	1.441	-	n
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.14	*	1.414	-	n
1,2,3,7,8,9-HxCDD	92517	2.05 n	30:45	1.35	1.053	1.192	-	n
Total HxCDD	395324	3.18 n	29:25	1.20	4.979	1.339 <i>1.44</i>	-	n
13C-1,2,3,4,6,7,8-HpCDF	325992000	0.46 y	32:20	0.96	3916.012	8.057	97.9	n
1,2,3,4,6,7,8-HpCDF	200677	3.00 n	32:20	1.41	1.749 <i>DL</i>	1.210	-	n
1,2,3,4,7,8,9-HpCDF	64884	0.39 n	33:32	1.24	0.644	1.379	-	n
Total HpCDF	373003	3.00 n	32:20	1.32	3.390	2.289 <i>1.75</i>	-	n
13C-1,2,3,4,6,7,8-HpCDD	242973000	1.10 y	33:12	0.71	3918.316	5.151	98.0	n
1,2,3,4,6,7,8-HpCDD	161838	1.00 y	33:14	1.13	2.349 <i>JL</i>	1.025	-	y
Total HpCDD	514199	3.17 n	32:21	1.13	7.463 <i>2.349</i>	1.025	-	y
13C-OCDD	238679000	0.94 y	35:46	0.35	7772.668	2.938	97.2	n
OCDF	88881	1.08 n	35:55	2.12	1.407 <i>DL</i>	1.282	-	n

OCDD

139299 0.51 n 35:46 1.37

3.405 *ja*

1.636

- n

Run text: L7VVQ-1-AA Sample text: L7VVQ-1-AA :G0J010000-374B
 Run #8 Filename: 06OC101D5 S: 3 I: 1 Results: 06OC101D5T09T09
 Acquired: 6-OCT-10 11:16:08 Processed: 6-OCT-10 18:02:14
 Run: 06OC101D5 Analyte: T09 Cal: T090914101D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Sample

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 10/9/10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	341801000	0.83 y	17:42	-	195.63	-	-	n
13C-2,3,7,8-TCDF	548332000	0.79 y	17:11	1.56	4105.37	2.45	102.6	n
2,3,7,8-TCDF	70758	1.29 n	17:12	0.98	0.52	0.81	-	n
Total TCDF	270541	0.22 n	16:04	0.98	2.01	0.81	-	n
13C-2,3,7,8-TCDD	306247000	0.85 y	17:54	0.92	3891.80	4.12	97.3	n
2,3,7,8-TCDD	136498	0.50 n	17:56	1.03	1.73	1.37	-	n
Total TCDD	291448	2.18 n	17:11	1.03	3.69	1.73 DL	-	n
37Cl-2,3,7,8-TCDD	177041600	1.00 y	17:55	1.23	1885.72	1.72	117.9	n
13C-1,2,3,7,8-PeCDF	407904000	1.62 y	22:12	1.05	4535.22	2.53	113.4	n
1,2,3,7,8-PeCDF	64623	3.19 n	22:11	1.09	0.58	1.32	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	1.02	*	1.42	-	n
Total F2 PeCDF	266377	3.19 n	22:11	1.05	2.46	1.88 DL	-	n
Total F1 PeCDF	183254	1.02 n	15:16	1.05	1.70	1.02	-	n
13C-1,2,3,7,8-PeCDD	215062100	1.64 y	24:13	0.56	4487.36	1.67	112.2	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.07	*	2.48	-	n
Total PeCDD	182853	3.86 n	22:13	1.07	3.16	2.48	-	n
13C-1,2,3,7,8,9-HxCDD	348271000	1.28 y	30:44	-	212.22	-	-	n
13C-1,2,3,4,7,8-HxCDF	366084000	0.54 y	29:25	0.99	4243.44	2.69	106.1	n
1,2,3,4,7,8-HxCDF	77608	1.59 n	29:26	1.26	0.57	0.98	-	n
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.53	*	0.72	-	n
2,3,4,6,7,8-HxCDF	113131	0.91 n	30:12	1.41	0.88	0.79	-	n
1,2,3,7,8,9-HxCDF	153543	1.01 n	30:55	1.40	1.20	0.79	-	n
Total HxCDF	344282	1.59 n	29:26	1.40	2.08	2.75	-	n
13C-1,2,3,6,7,8-HxCDD	259703000	1.30 y	30:26	0.74	4033.56	1.06	100.8	n
1,2,3,4,7,8-HxCDD	57136	0.65 n	30:22	1.12	0.79	1.44	-	n
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.14	*	1.41	-	n
1,2,3,7,8,9-HxCDD	92517	2.05 n	30:45	1.35	1.05	1.19	-	n
Total HxCDD	395324	3.18 n	29:25	1.20	4.98	1.44	-	n
13C-1,2,3,4,6,7,8-HpCDF	325992000	0.46 y	32:20	0.96	3916.01	8.06	97.9	n
1,2,3,4,6,7,8-HpCDF	200677	3.00 n	32:20	1.41	1.75	1.21	-	n
1,2,3,4,7,8,9-HpCDF	64884	0.39 n	33:32	1.24	0.64	1.38	-	n
Total HpCDF	373003	3.00 n	32:20	1.32	3.39	1.75 DL	-	n
13C-1,2,3,4,6,7,8-HpCDD	242973000	1.10 y	33:12	0.71	3918.32	5.15	98.0	n
1,2,3,4,6,7,8-HpCDD	311457	1.19 y	33:15	1.13	4.52	1.03	-	n
Total HpCDD	663820	3.17 n	32:21	1.13	9.65	4.52 DL	-	n
13C-OCDD	238679000	0.94 y	35:46	0.35	7772.67	2.94	97.2	n

OCDF	88881	1.08	n	35:55	2.12	1.41	1.28	-	n
OCDD	139299	0.51	n	35:46	1.37	3.41	1.64	-	n

Run Text: L7VVQ-1-AA

Sample text: L7VVQ-1-AA :G0J010000-374B

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:5
 Run: 8 File: 06OC101D5 S:3 Acq:6-OCT-10 11:16:08
 Tables: Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06OC101D5

Amount: 1.00 of which 0.26 named and 0.74 unnamed
 Conc: 2.01 of which 0.52 named and 1.48 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	16:04	0.22 n	0.08	4625 21495	0.4 1.2	n n	n n
	2	16:29	0.71 y	0.33	18516 26124	1.1 1.4	n n	n n
2,3,7,8-TCDF	3	17:12	1.29 n	0.52	51683 39977	3.9 2.2	y n	n n
	4	17:17	0.66 y	0.49	26320 39977	1.5 2.2	n n	n n
	5	17:43	0.81 y	0.58	34903 43314	2.1 2.3	n n	n n

Run Text: L7VVQ-1-AA

Sample text: L7VVQ-1-AA :G0J010000-374B

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:4
 Run: 8 File: 06OC101D5 S:3 Acq:6-OCT-10 11:16:08
 Tables: Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06OC101D5

Amount: 1.84 of which 0.86 named and 0.98 unnamed
 Conc: 3.69 of which 1.73 named and 1.96 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	17:11	2.18 n	1.31	127739 58523	5.8 3.6	y y	n n
2,3,7,8-TCDD	2	17:56	0.50 n	1.73	59381 118294	2.5 7.9	n y	n n
	3	18:05	1.73 n	0.29	22147 12835	1.6 0.9	n n	n n
	4	19:22	1.45 n	0.36	23425 16185	1.2 0.8	n n	n n

Run Text: L7VVQ-1-AA .

Sample text: L7VVQ-1-AA :G0J010000-374B

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:2
Run: 8 File: 06OC101D5 S:3 Acq:6-OCT-10 11:16:08
Tables: Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06OC101D5

Amount: 1.23 of which 0.29 named and 0.94 unnamed
Conc: 2.46 of which 0.58 named and 1.88 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,7,8-PeCDF	1	22:11	3.19	n	0.58	80743	3.4	y n
						25342	1.5	n n
	2	23:56	1.17	n	1.88	122635	3.4	y n
						104637	4.3	y n

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Run Text: L7VVQ-1-AA

Sample text: L7VVQ-1-AA :G0J010000-374B

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:2
Run: 8 File: 06OC101D5 S:3 Acq:6-OCT-10 11:16:08
Tables: Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06OC101D5

Amount: 0.85 of which * named and 0.85 unnamed
Conc: 1.70 of which * named and 1.70 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	15:16	1.02	n	1.13	74112	6.3	y n
						72761	5.1	y n
	2	18:52	0.50	n	0.57	37278	2.5	n n
						74957	3.1	y n

Run Text: L7VVQ-1-AA Sample text: L7VVQ-1-AA :G0J010000-374B

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:3
 Run: 8 File: 06OC101D5 S:3 Acq:6-OCT-10 11:16:08
 Tables: Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06OC101D7

Amount: 1.59 of which * named and 1.59 unnamed
 Conc: 3.18 of which * named and 3.18 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	22:13	3.86	n	0.84	73523	2.4	n n
						19060	1.8	n n
	2	23:56	1.03	n	2.05	71751	3.4	y n
						69638	4.5	y n
	3	25:10	3.91	n	0.28	24838	1.1	n n
						6356	0.8	n n

Run Text: L7VVQ-1-AA Sample text: L7VVQ-1-AA :G0J010000-374B

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:3
 Run: 8 File: 06OC101D5 S:3 Acq:6-OCT-10 11:16:08
 Tables: Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06OC101D7

Amount: 1.38 of which 1.38 named and * unnamed
 Conc: 2.75 of which 2.75 named and * unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,7,8-HxCDF	1	29:26	1.59	n	0.67	55195	3.1	y n
						34646	2.6	n n
2,3,4,6,7,8-HxCDF	2	30:12	0.91	n	0.88	62626	3.4	y n
						68654	3.5	y n
1,2,3,7,8,9-HxCDF	3	30:55	1.01	n	1.20	84997	5.3	y n
						84436	4.2	y n

2.08

Run Text: L7VVQ-1-AA Sample text: L7VVQ-1-AA :G0J010000-374B

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:5
 Run: 8 File: 06OC101D5 S:3 Acq:6-OCT-10 11:16:08
 Tables: Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06OC101D7

Amount: 2.49 of which 0.92 named and 1.57 unnamed
 Conc: 4.98 of which 1.84 named and 3.14 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	29:25	3.18	n	0.75	82925 26058	3.9 1.5	y n n n
	2	30:10	1.98	n	1.11	76799 38720	4.0 1.9	y n n n
1,2,3,4,7,8-HxCDD	3	30:22	0.65	n	0.79	31629 48939	2.2 3.3	n n y n
1,2,3,7,8,9-HxCDD	4	30:45	2.05	n	1.05	84601 41302	2.6 2.2	n n n n
	5	30:54	2.14	n	1.29 <i>0.2</i>	96101 44897	4.5 2.7	y n n n

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Run Text: L7VVQ-1-AA

Sample text: L7VVQ-1-AA :G0J010000-374B

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:3
 Run: 8 File: 06OC101D5 S:3 Acq:6-OCT-10 11:16:08
 Tables: Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06OC101D5

Amount: 1.70 of which 1.20 named and 0.50 unnamed
 Conc: 3.39 of which 2.39 named and 1.00 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	32:20	3.00	n	1.75	295290 98371	10.0 4.7	y n y n
	2	33:16	0.83	n	1.00	54774 65731	2.1 3.9	n n y n
1,2,3,4,7,8,9-HpCDF	3	33:32	0.39	n	0.64	33078 84964	1.3 3.1	n n y n

Run Text: L7VVQ-1-AA

Sample text: L7VVQ-1-AA :G0J010000-374B

Name: Total HpCDD

F:4 Mass: 423.777 425.774 Mod? no #Hom:5

Run: 8 File: 06OC101D5 S:3 Acq:6-OCT-10 11:16:08

Tables: Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06OC101D7

Amount: 4.82 of which 2.26 named and 2.56 unnamed
 Conc: 9.63 of which 4.52 named and 5.11 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	32:21	3.17	n	1.12	119906	7.4	y n
						37842	4.6	y n
	2	32:38	0.35	n	0.79	27779	1.8	n n
						79254	6.7	y n
1,2,3,4,6,7,8-HpCDD	3	33:15	1.19	y	4.52	169328	7.9	y n
						142129	9.3	y n
	4	33:31	1.92	n	1.86	120589	7.7	y n
						62963	4.0	y n
	5	34:44	0.70	n	1.34	47020	4.0	y n
						67029	5.0	y n

See page 9/12

Run Text: L7VVQ-1-AA

Sample text: L7VVQ-1-AA :G0J010000-374B

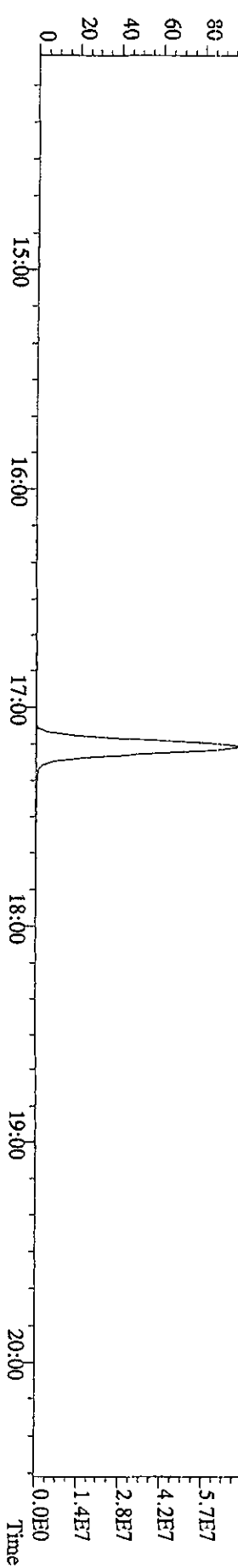
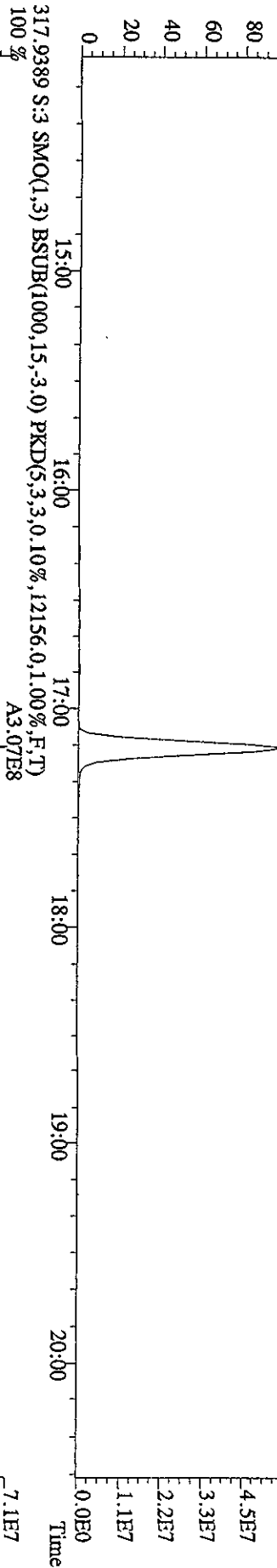
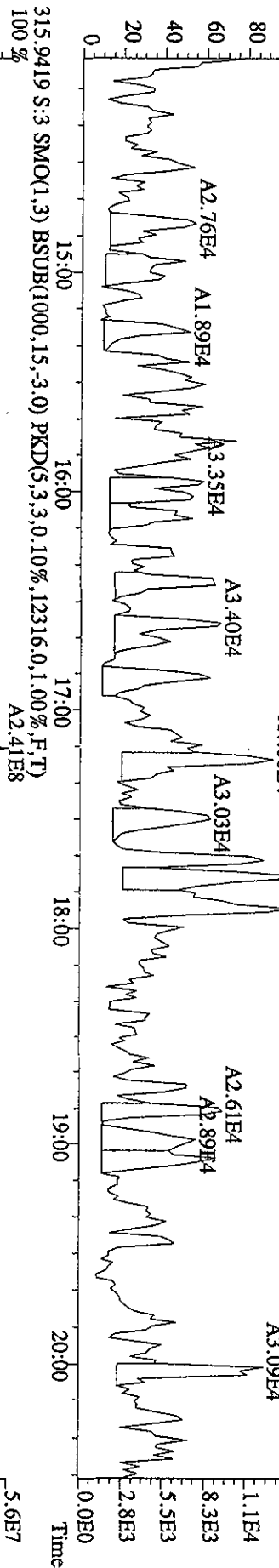
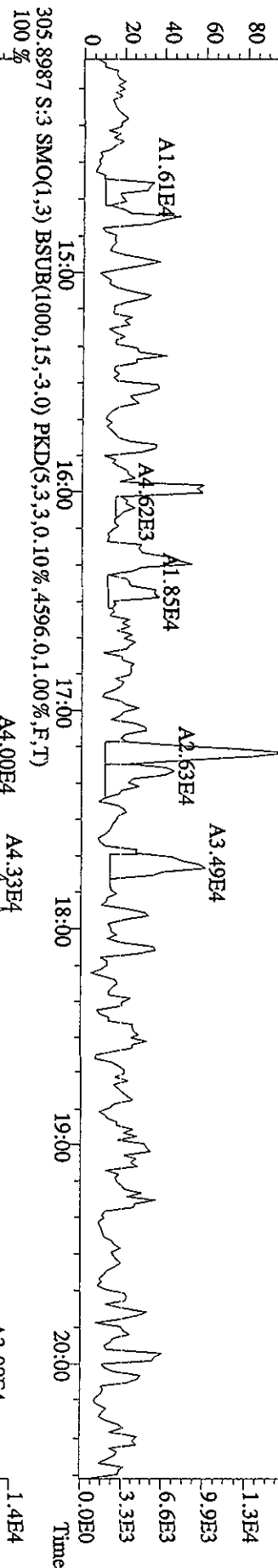
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? yes #Hom:5
 Run: 8 File: 06OC101D5 S:3 Acq:6-OCT-10 11:16:08
 Tables: Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06oc101d7

Amount: 3.731 of which 1.174 named and 2.557 unnamed
 Conc: 7.463 of which 2.349 named and 5.114 unnamed

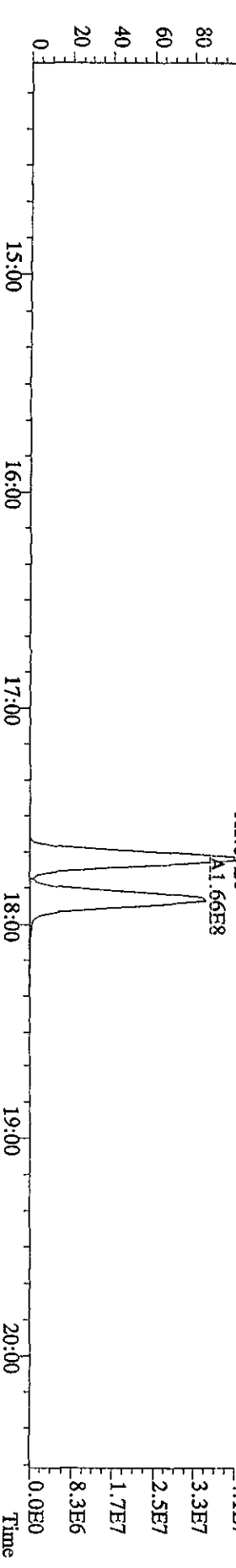
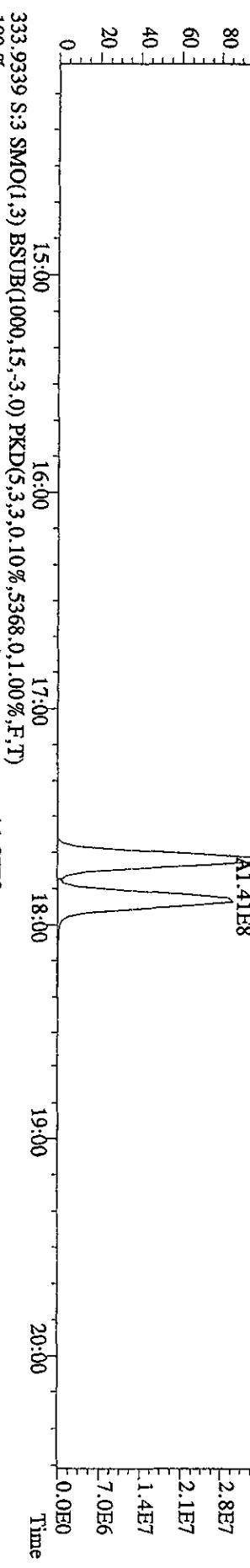
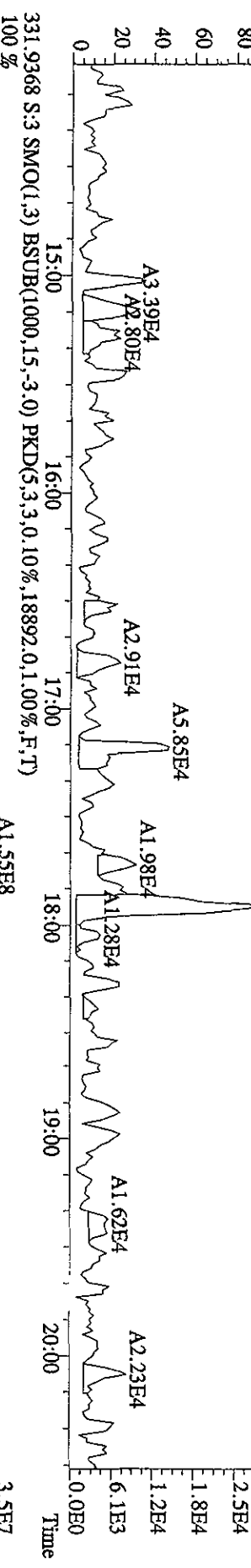
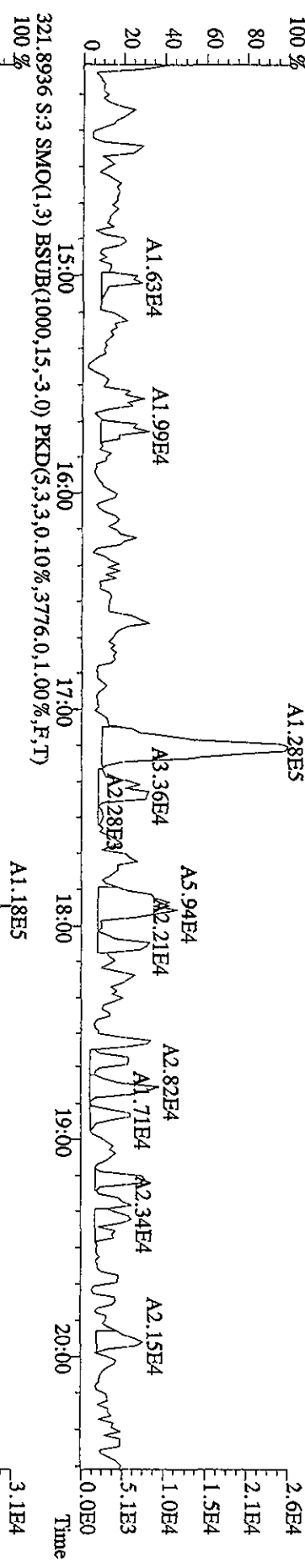
QA

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	32:21	3.169 n	1.120	119906 37842	7.382 4.579	y	n
	2	32:38	0.351 n	0.791	27779 79254	1.847 6.666	n	n
1,2,3,4,6,7,8-HpCDD	3	33:14	1.001 y	2.349	80943 80895	6.629 9.327	y	y
	4	33:31	1.915 n	1.864	120590 62962	7.743 4.034	y	n
	5	34:44	0.701 n	1.339	47020 67029	3.972 4.975	y	n

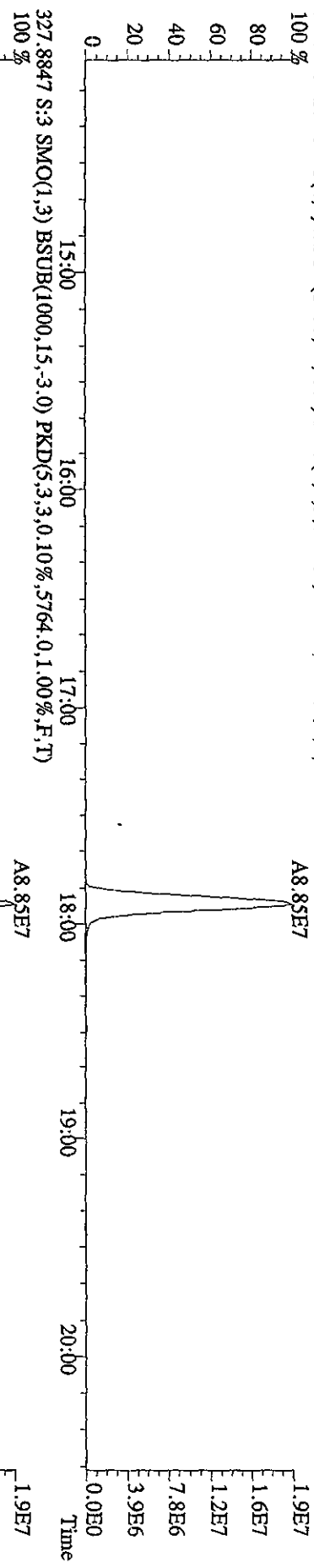
File:06OCT101D5 #1-382 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVQ-1-AA :G0U010000-374B Exp:DIOXINRES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3800,0,1,00%,F,T)
 100%



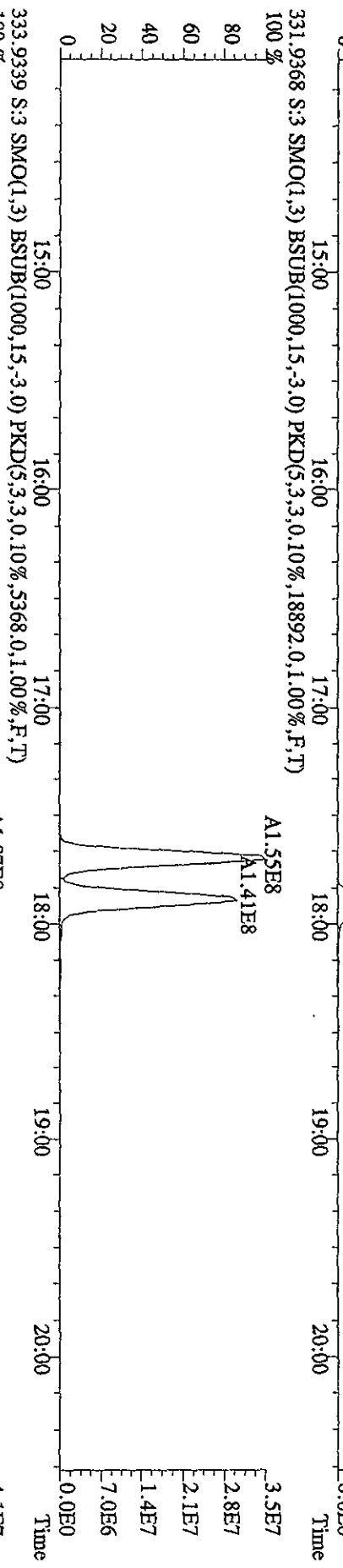
File:06OC101D5 #1-382 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVQ-1-AA :G01010000-374B Exp:DIOXINRES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3988,0,1.00%,F,T)
 100%



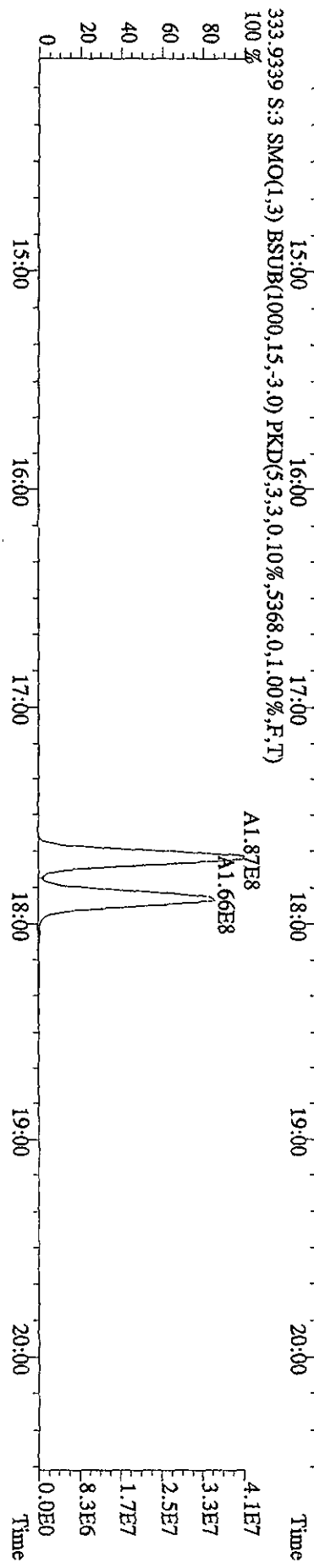
File:06OCT101D5 #1-382 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVQ-1-AA :G01010000-374B Exp:DIOXINRES
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5764,0.1,00%,F,T) 100%



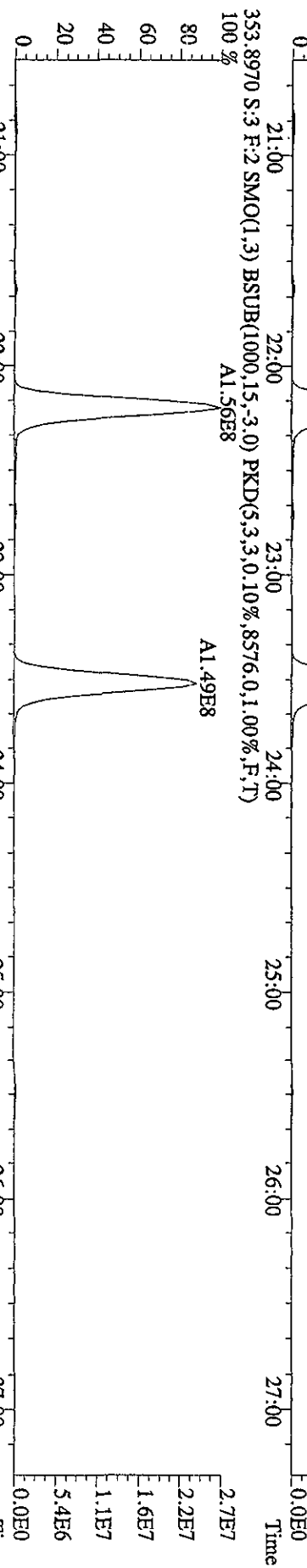
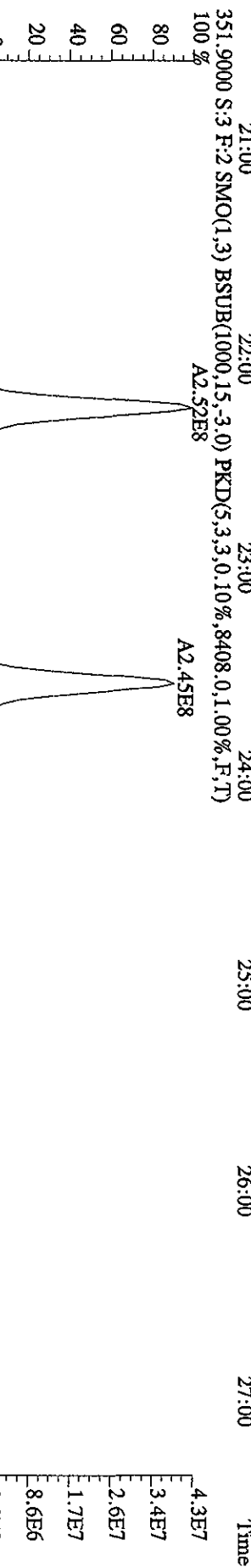
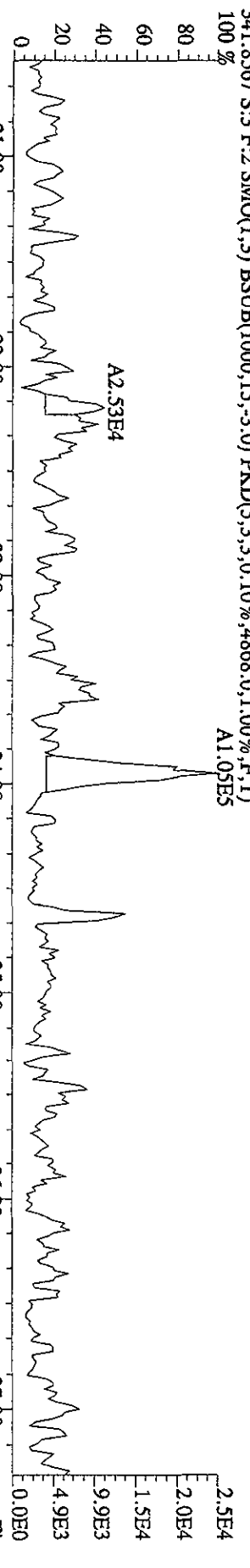
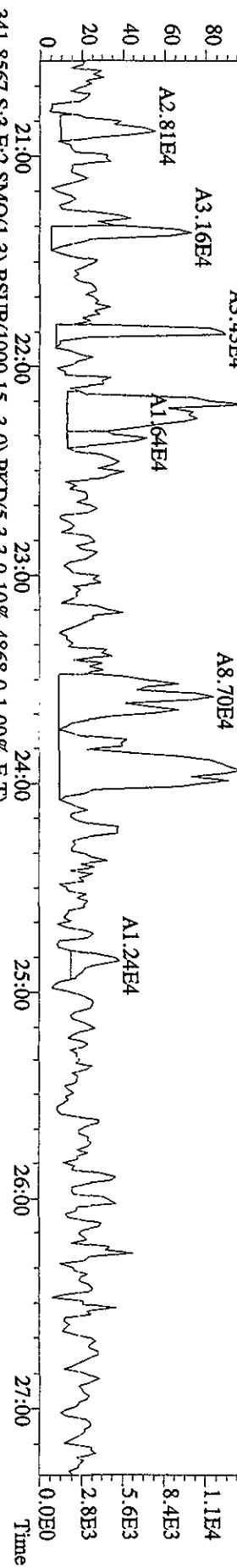
331.9368 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,18892,0.1,00%,F,T) 100%



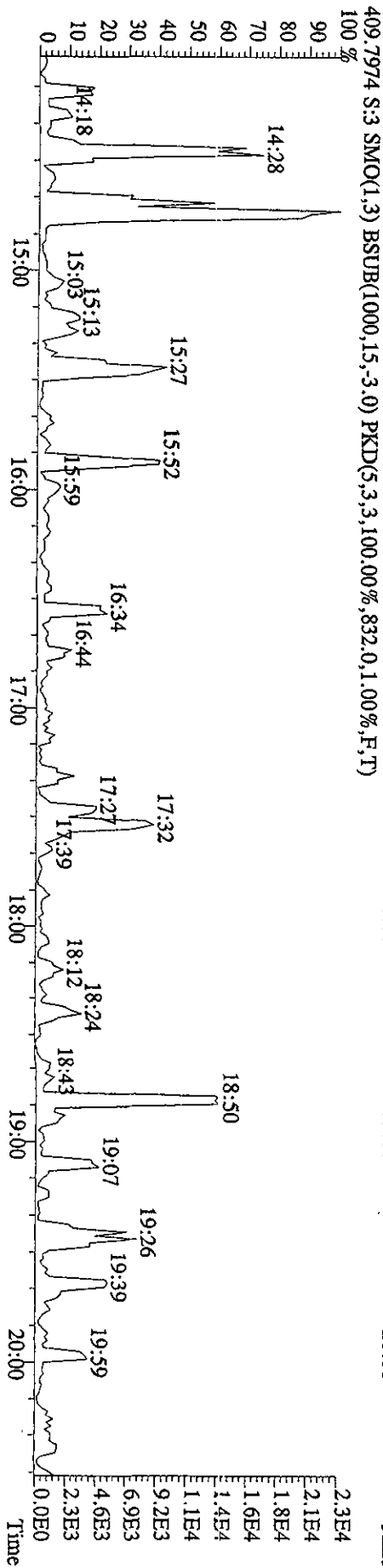
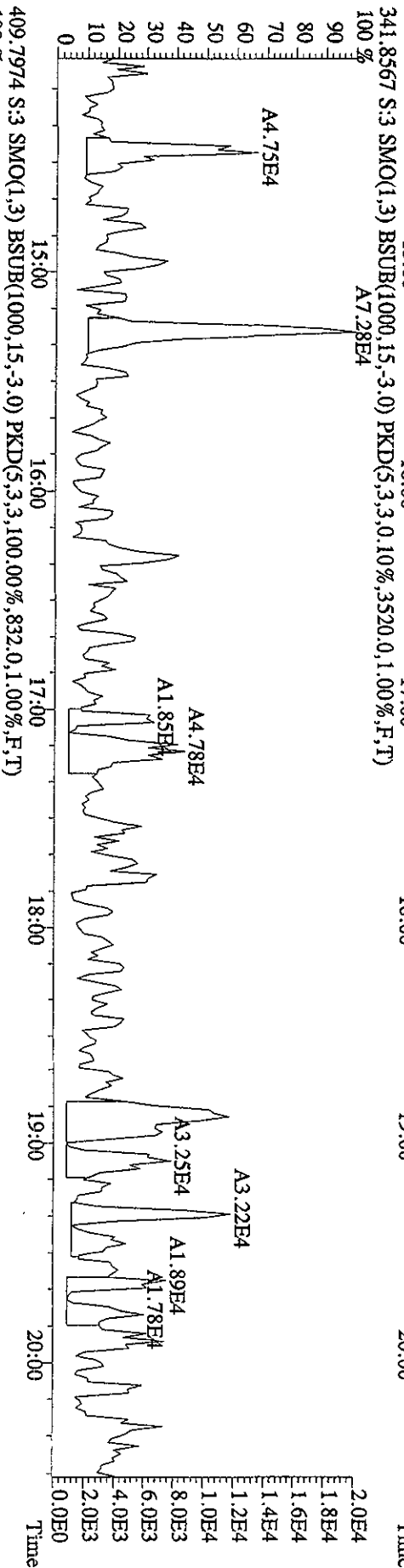
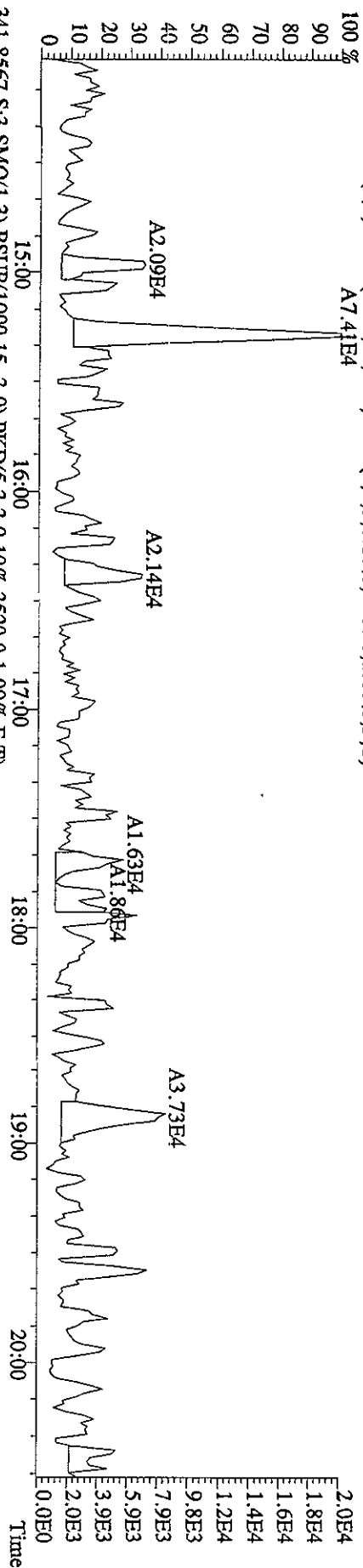
333.9339 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5368,0.1,00%,F,T) 100%



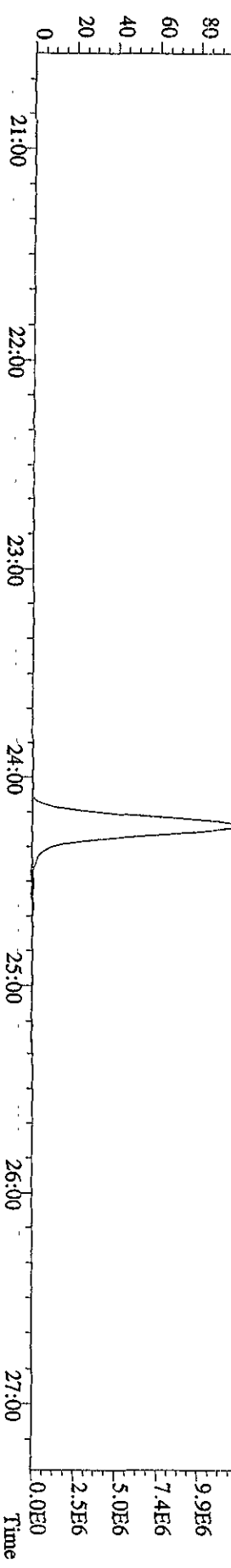
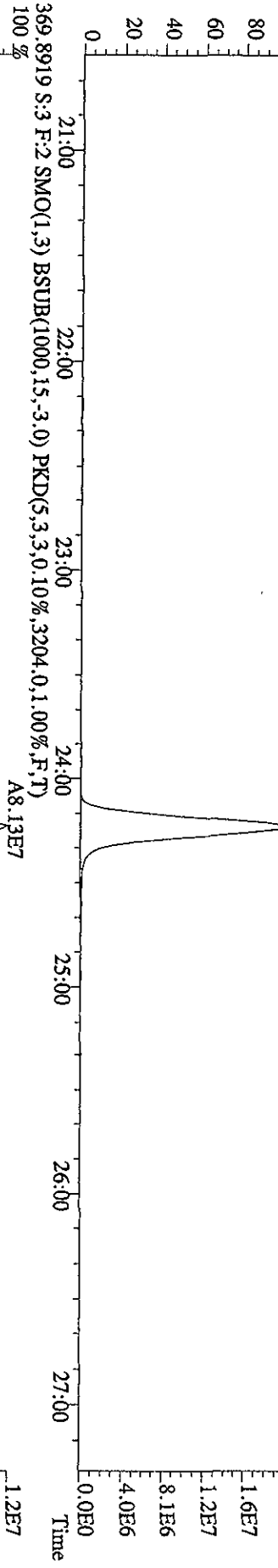
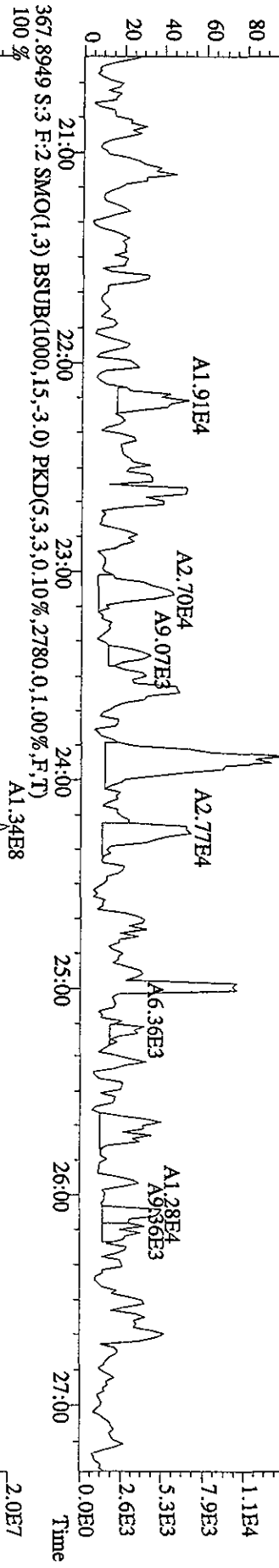
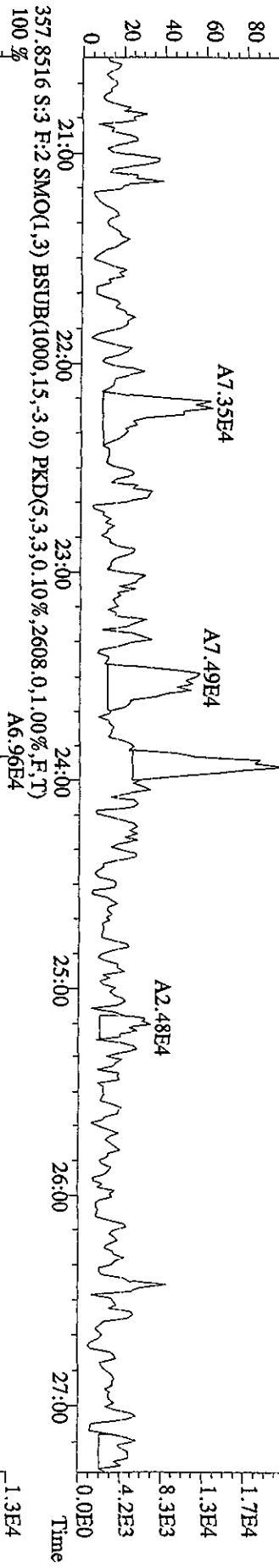
File:06OC101D5 #1-422 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:LTVVO-1-AA :G01010000-374B Exp:DIOXINRES
 339 8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3584,0,1,00%,F,T)
 100 %



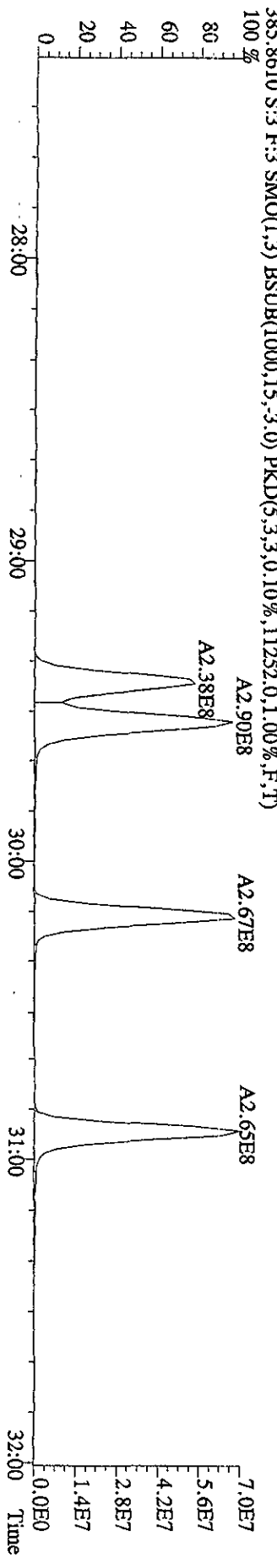
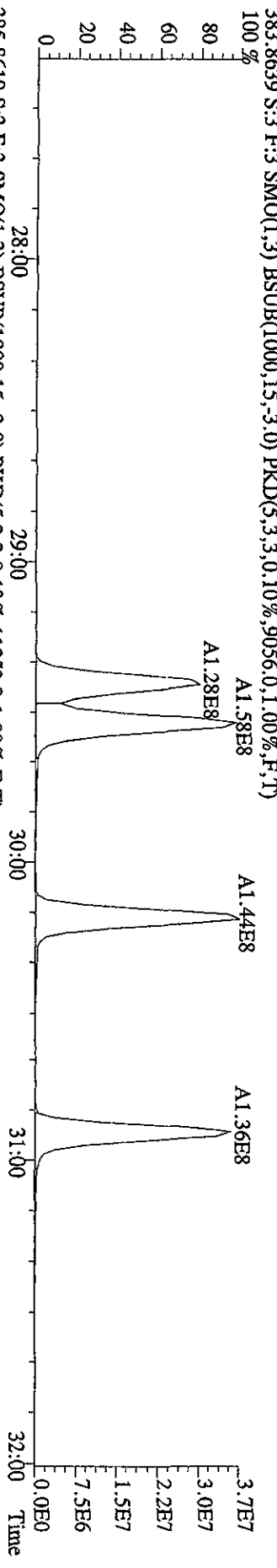
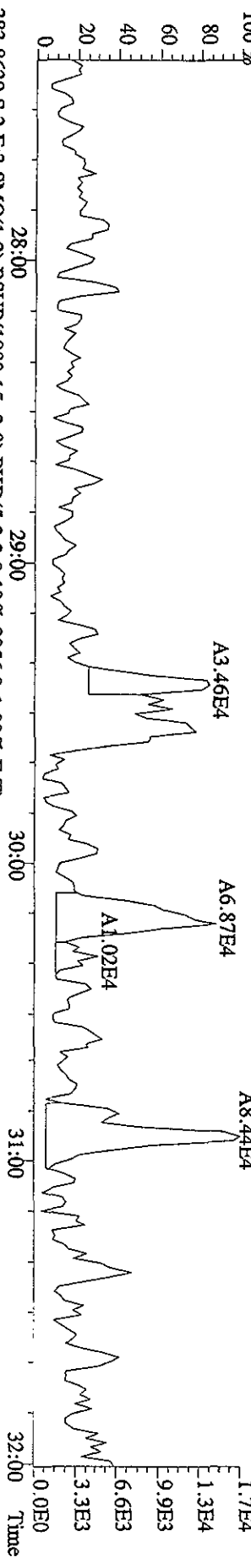
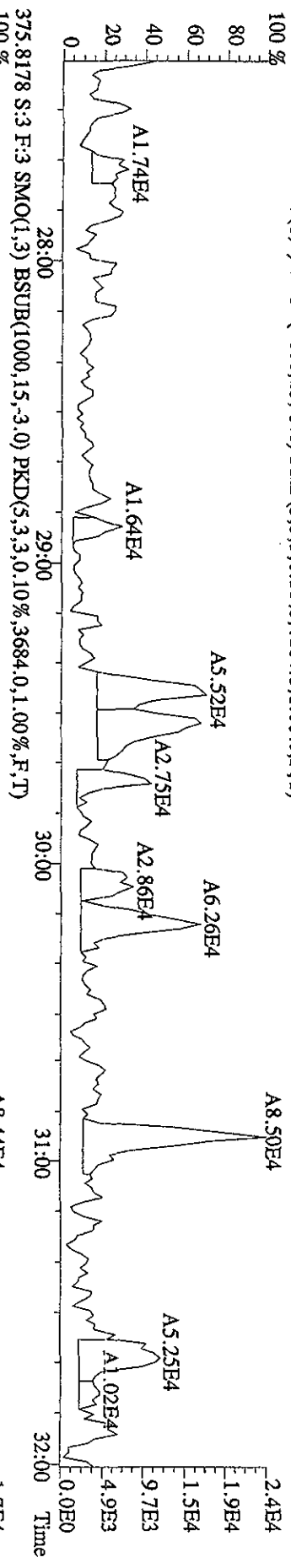
File:06OCT10ID5 #1-382 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVQ-1-AA :G01010000-374B Exp:DIOXINRES
 339.3597 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2768,0,1,00%,F,T)



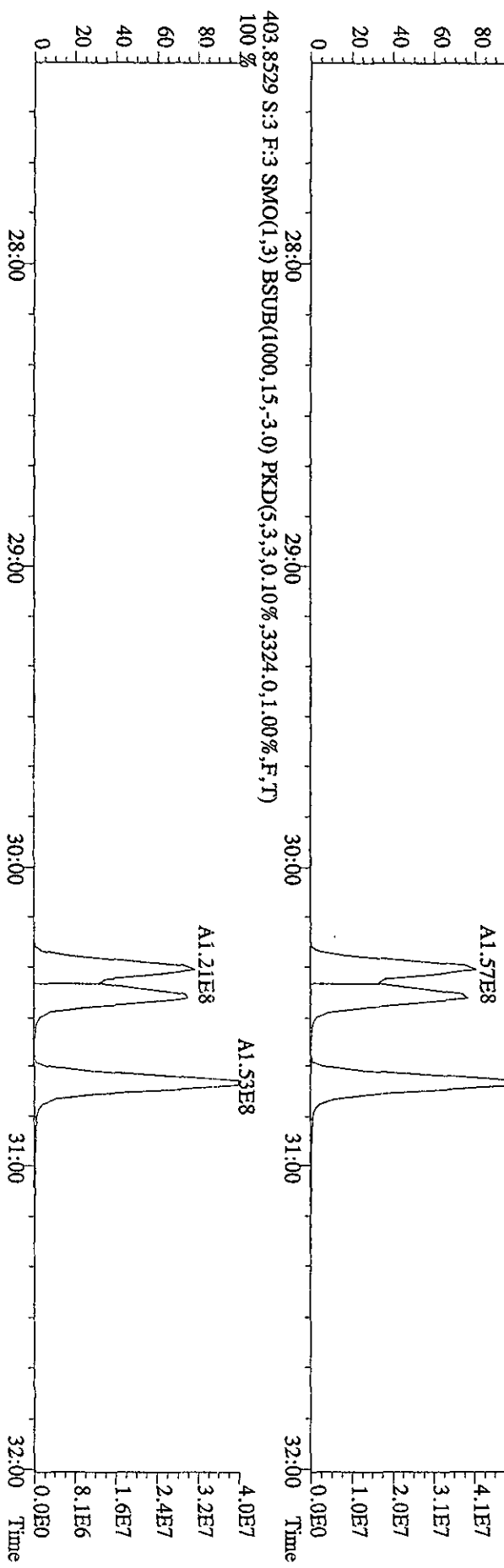
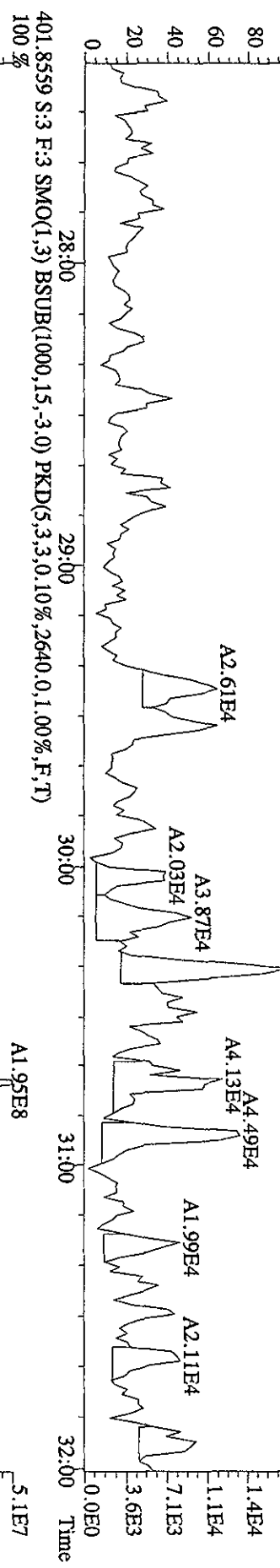
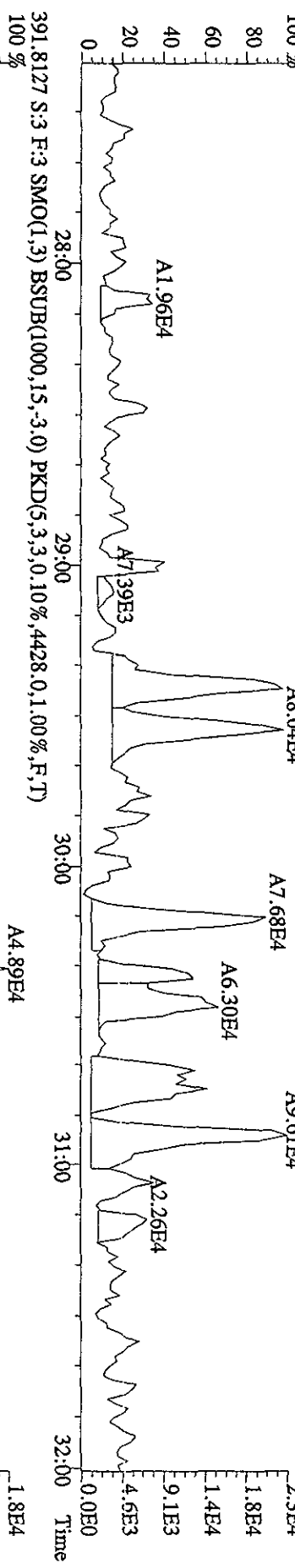
File:060C101D5 #1-422 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:LTVVQ-1-AA :G01010000-374B Exp:DIOXINRES
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4584,0.1,00%,F,T)
 100%

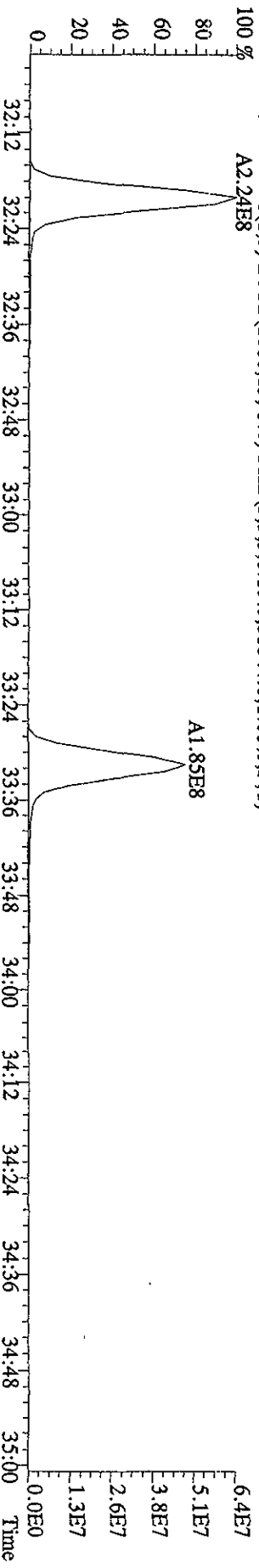
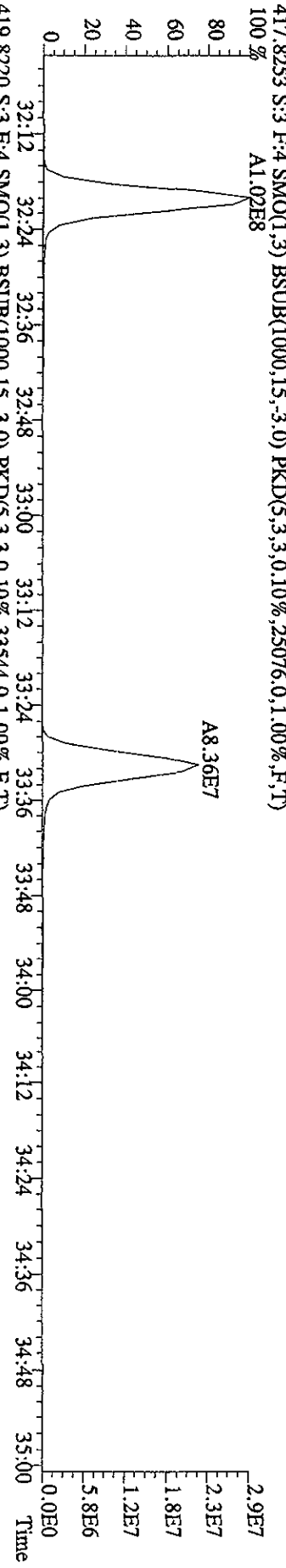
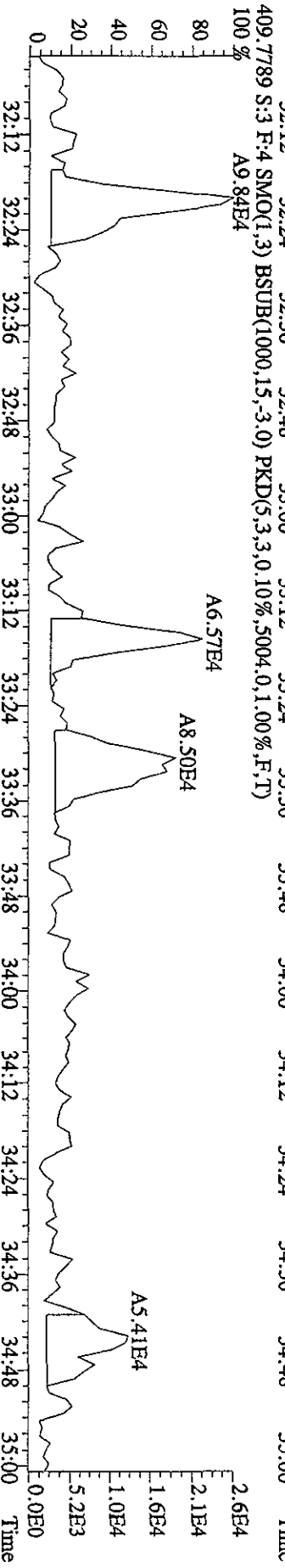
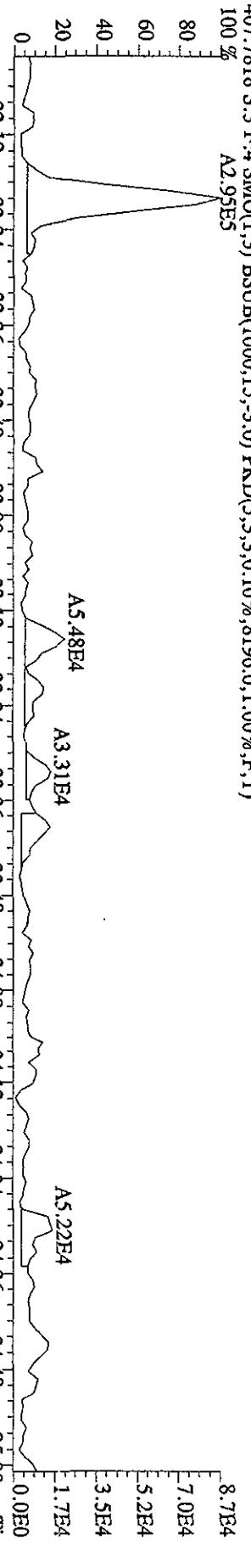


File:06OC101D5 #1-301 Acq: 6-OCT-2010 11:16:08 GC:EI+ Voltage:50V SIR 70SE
 Sample#3 Text:L7VVO-1-AA :G0J010000-374B Exp:DI0XINRES
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4104,0,1,00%,F,T)

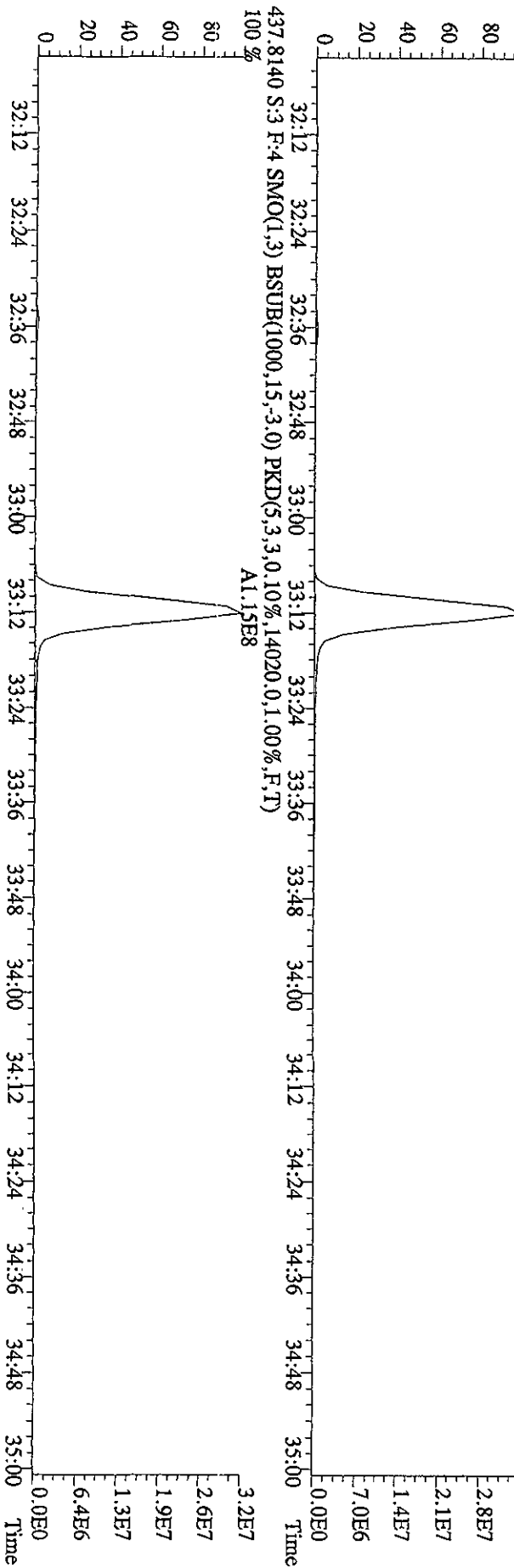
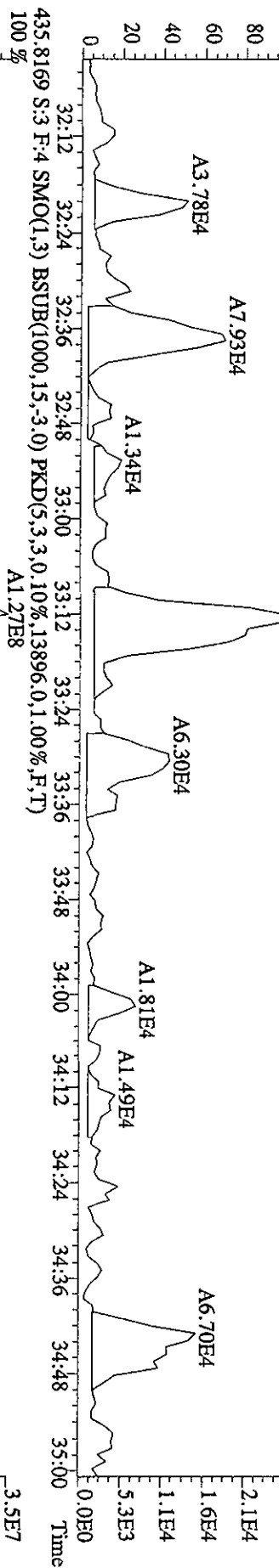
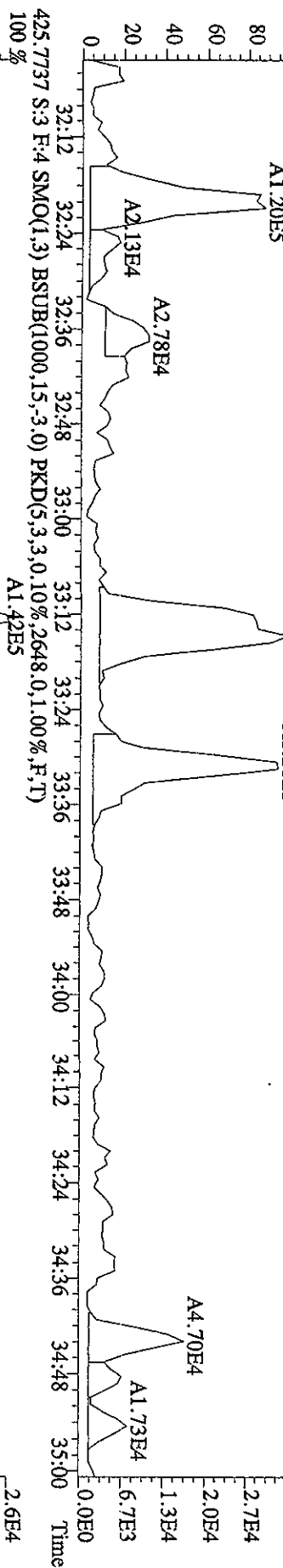


File:06OCT101D5 #1-301 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVQ-1-AA :G01010000-374B Exp:DIOXINRES
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4864.0,1.00%,F,T)

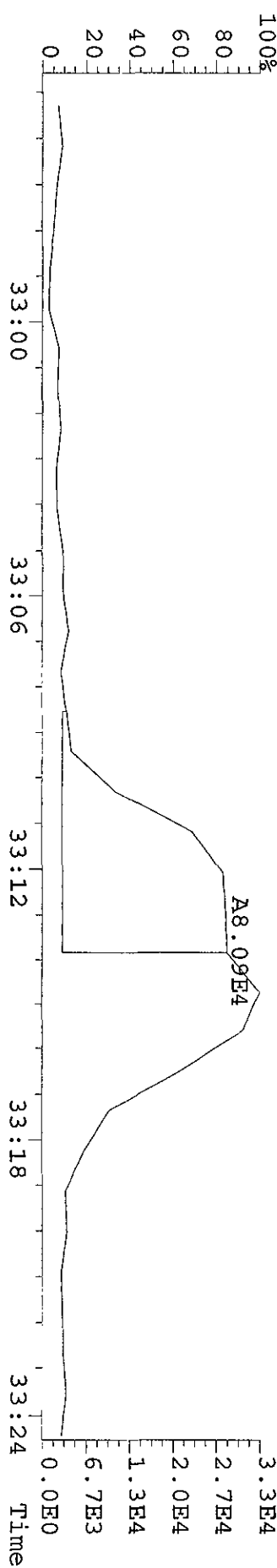




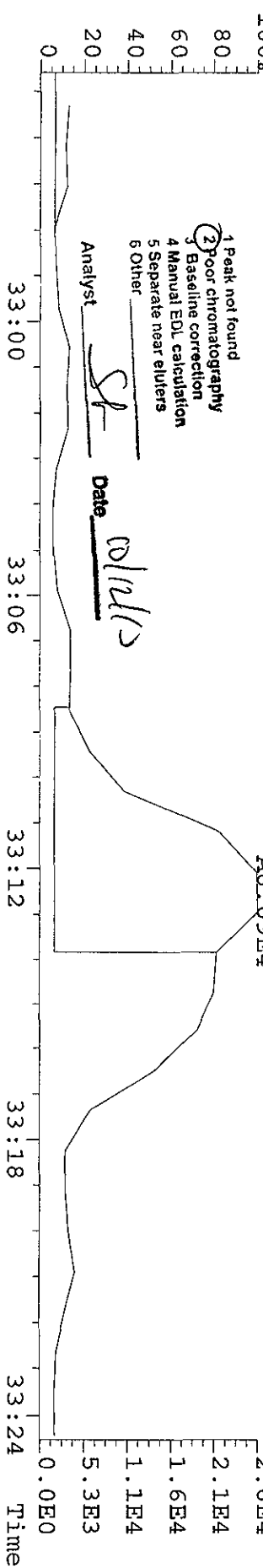
Sample#3 Text:L7VVQ-1-AA :G01010000-374B Exp:DIOXINRES



File: 060C101D5 #1-203 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE Noise: 963
 423.7766 S: 3 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3852.0,1.00%,F,T) Exp: DIOXINRES
 Sample Text: L7VVQ-1-AA : G0J010000-374B



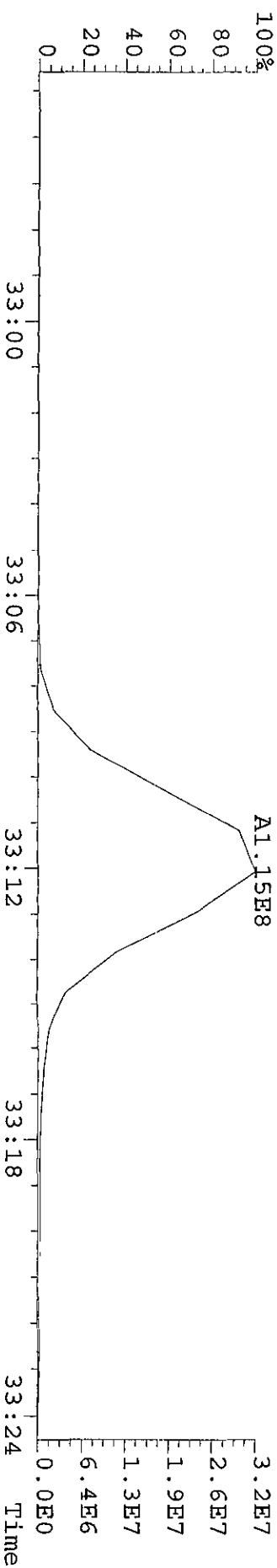
File: 060C101D5 #1-203 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE Noise: 662
 425.7737 S: 3 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2648.0,1.00%,F,T) Exp: DIOXINRES
 Sample Text: L7VVQ-1-AA : G0J010000-374B
 Manual Edit Codes



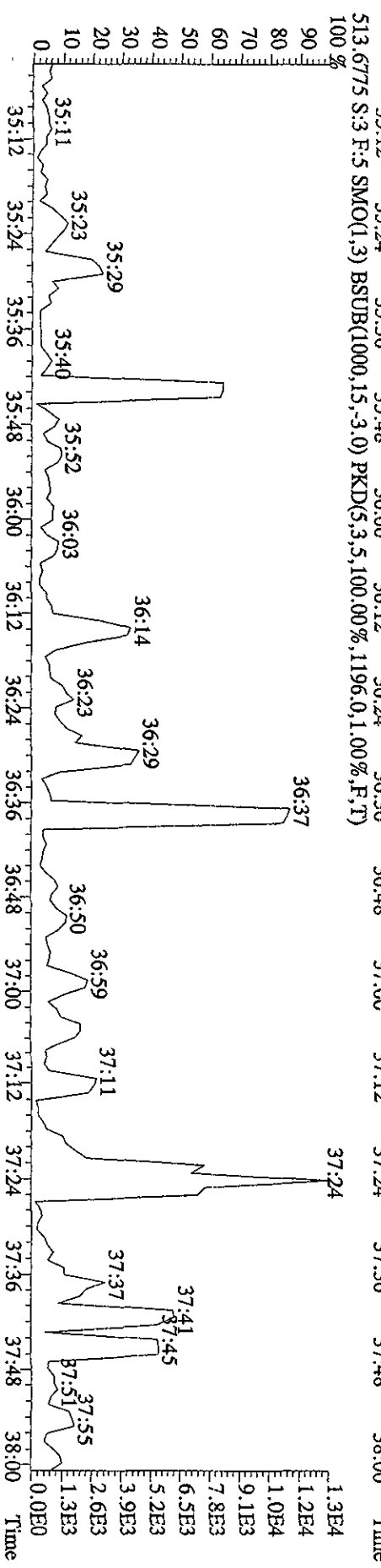
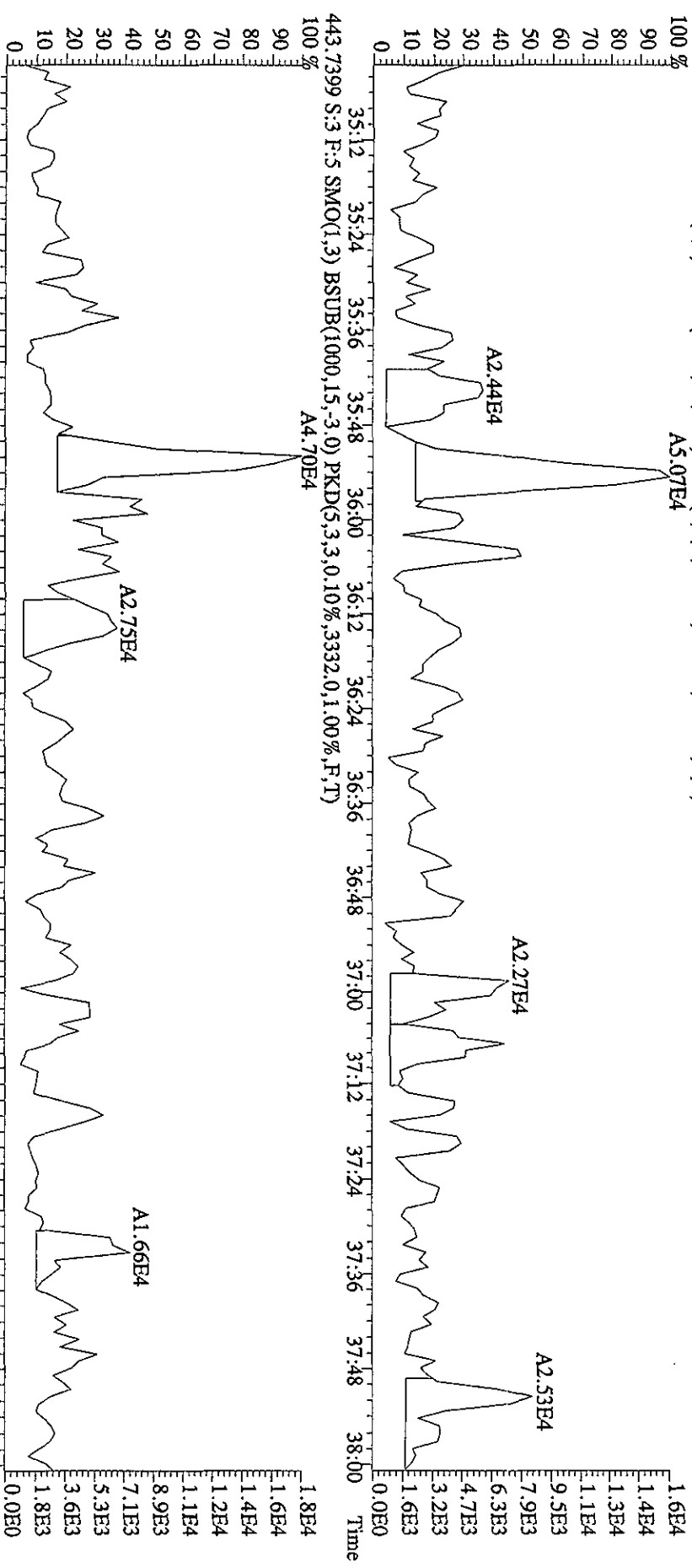
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst SF Date 10/24/10

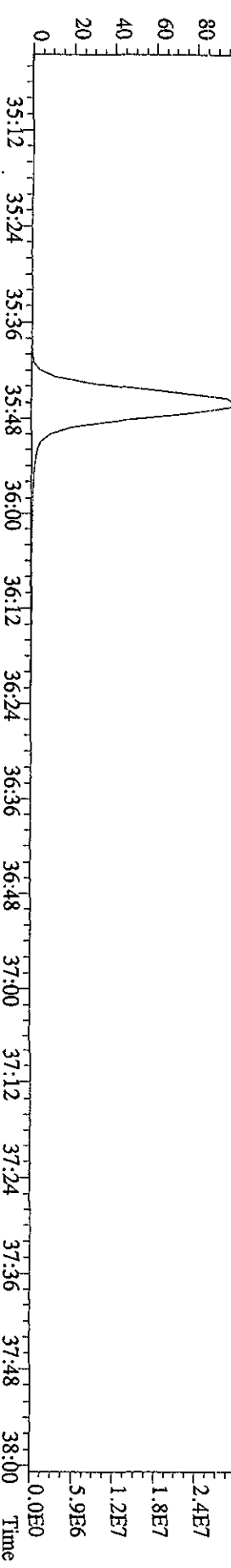
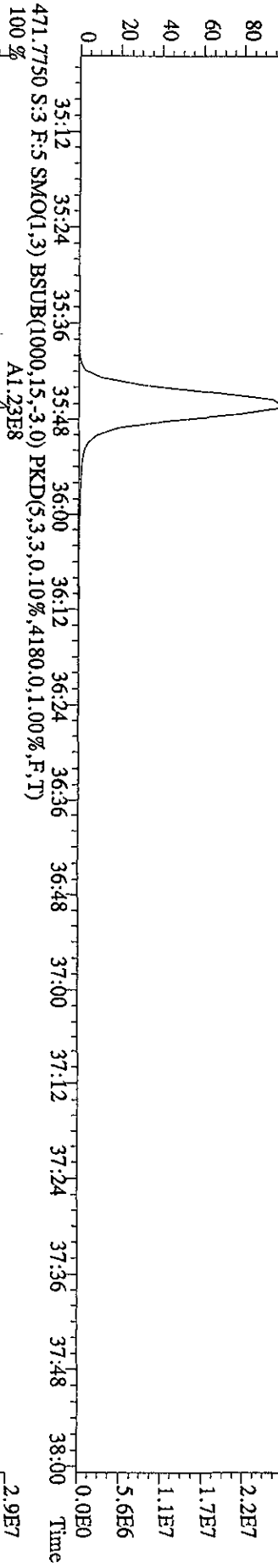
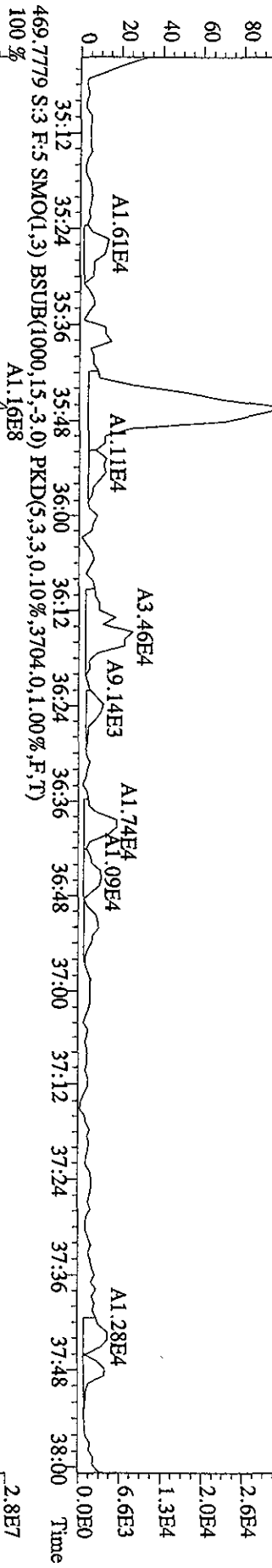
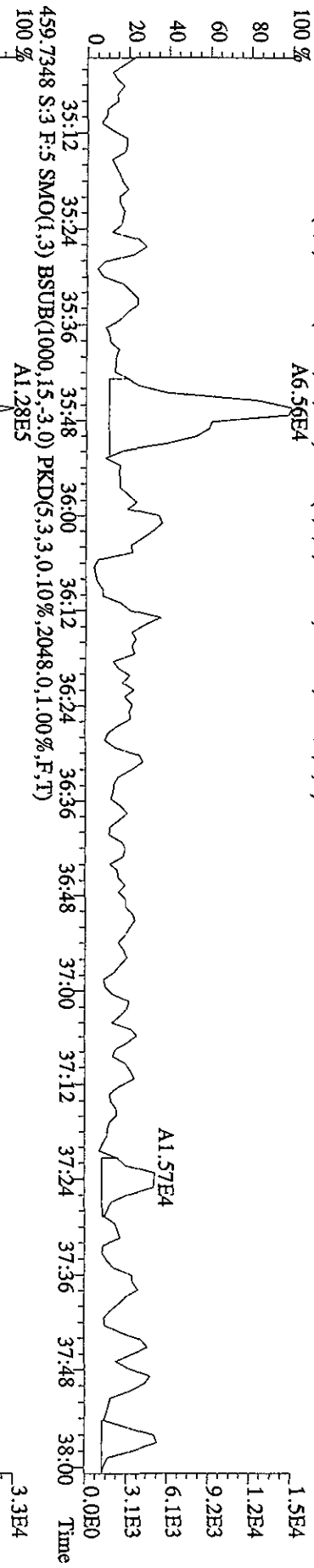
File: 060C101D5 #1-203 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE Noise: 3505
 437.8140 S: 3 F: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14020.0,1.00%,F,T) Exp: DIOXINRES
 Sample Text: L7VVQ-1-AA : G0J010000-374B

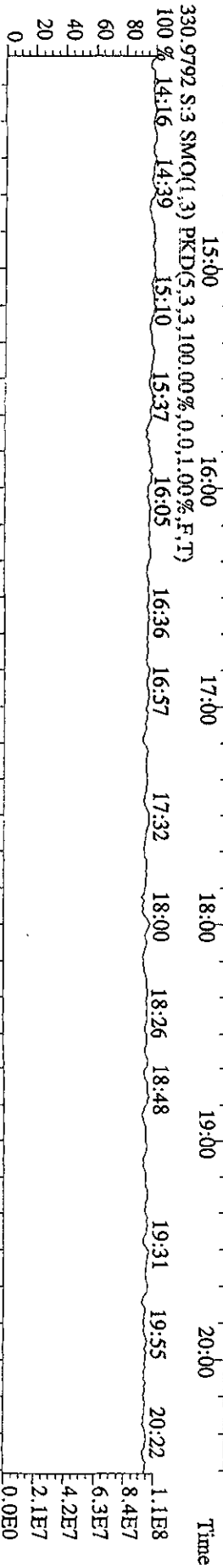
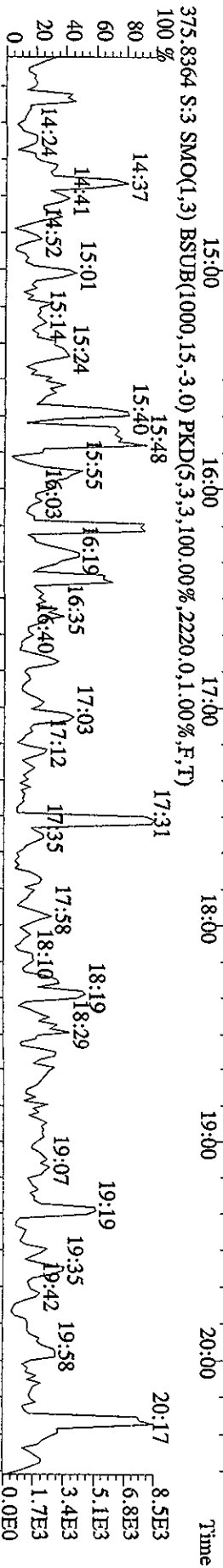
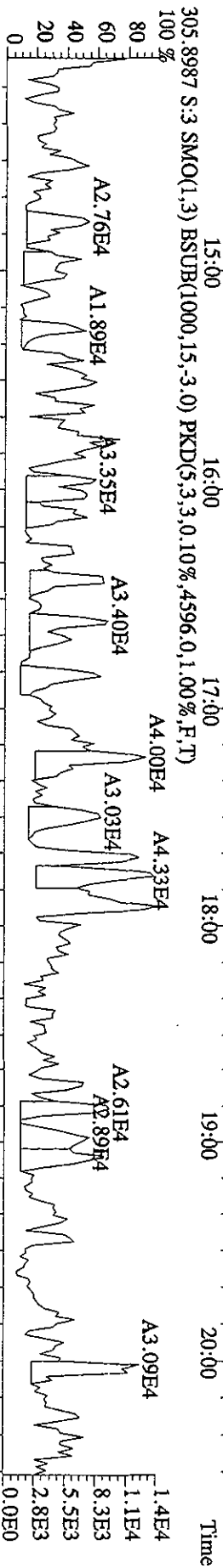
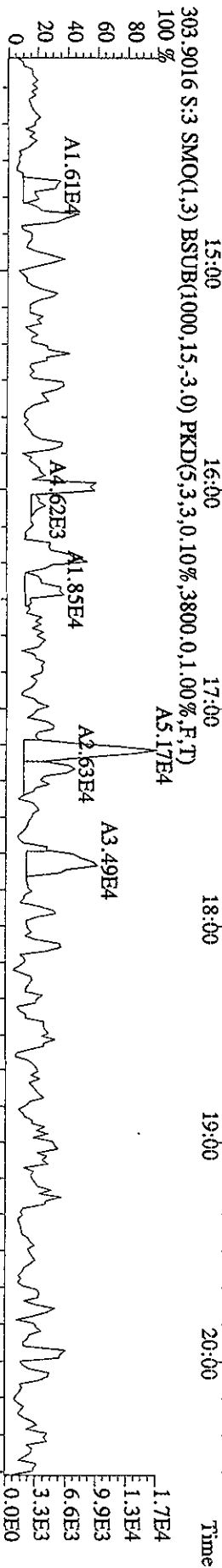
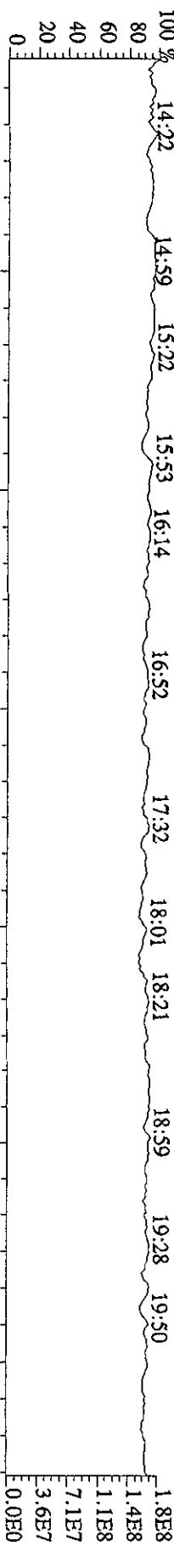


File:06OCT10ID5 #1-196 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage S/R 70SE
 Sample#3 Text:L7VVQ-1-AA :G01010000-374B Exp:DIOXINRES
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3148,0.1,00%,F,T)
 A5.07E4

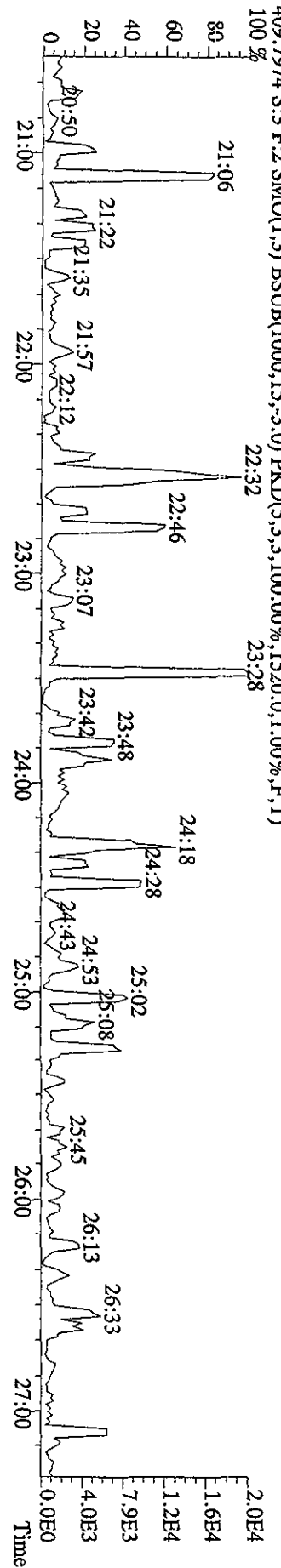
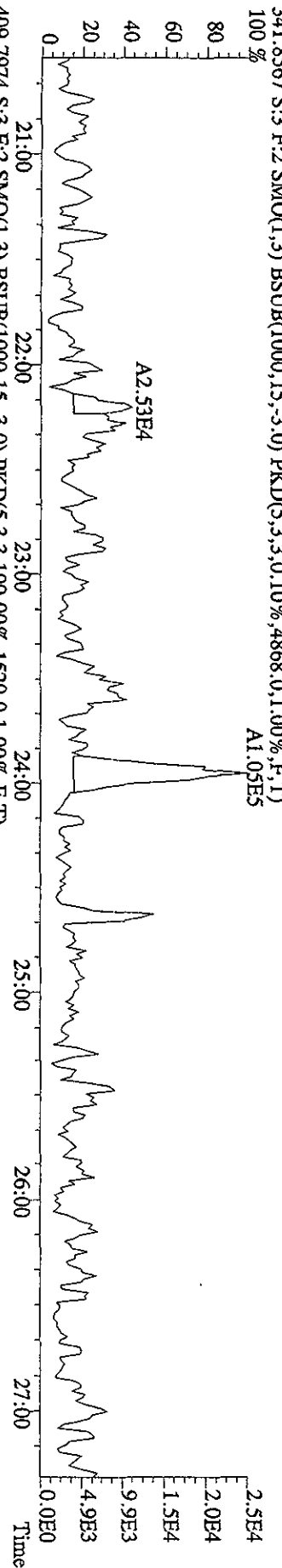
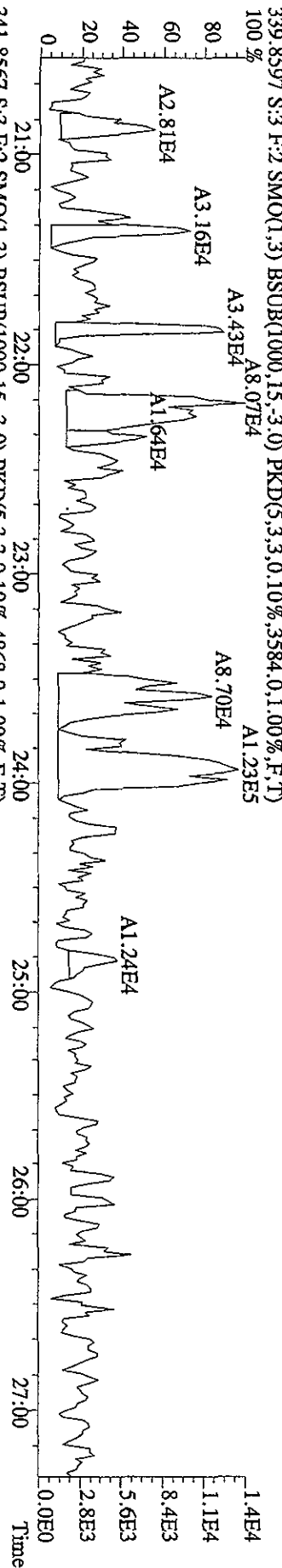
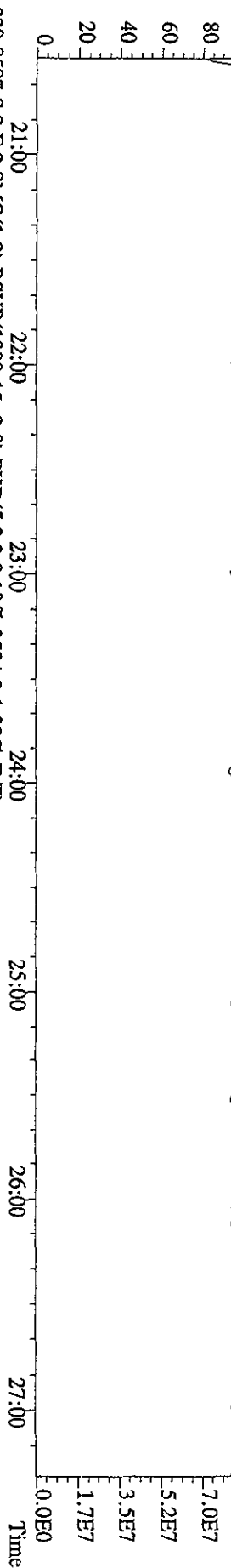


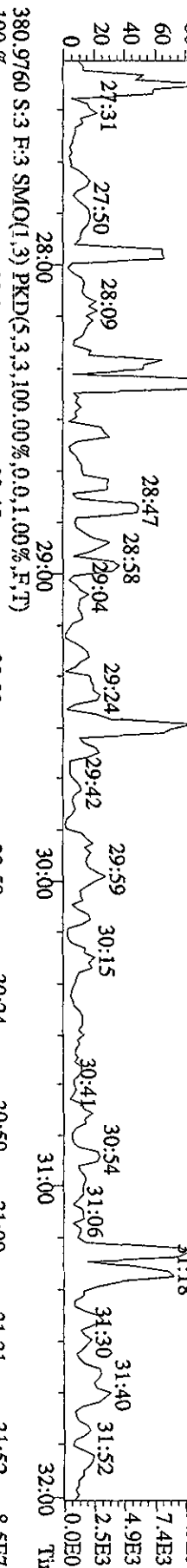
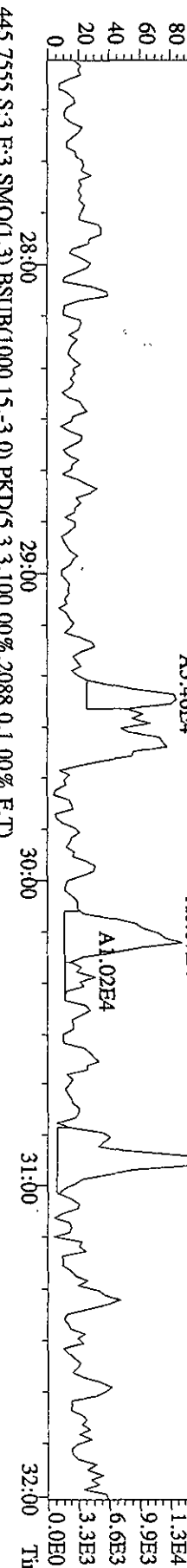
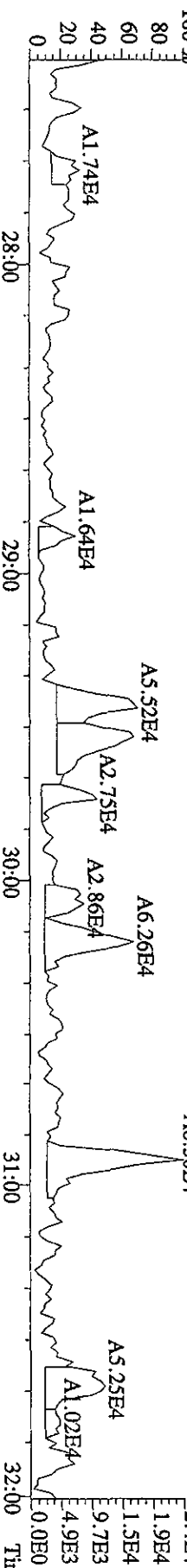
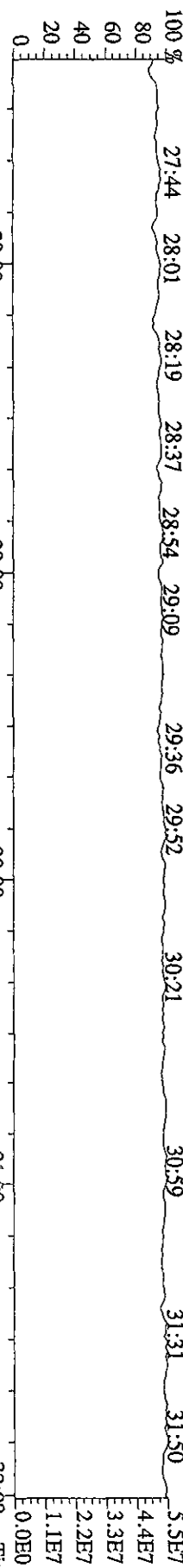
File:060C101D5 #1-196 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:LTVVO-1-AA :G01010000-374B Exp:DIOXINRES
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3308,0.1,0.00%,F,T)
 A6.56E4

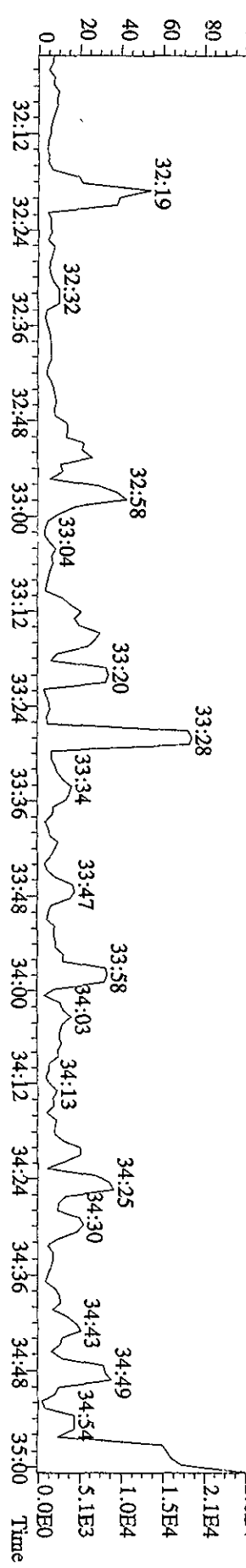
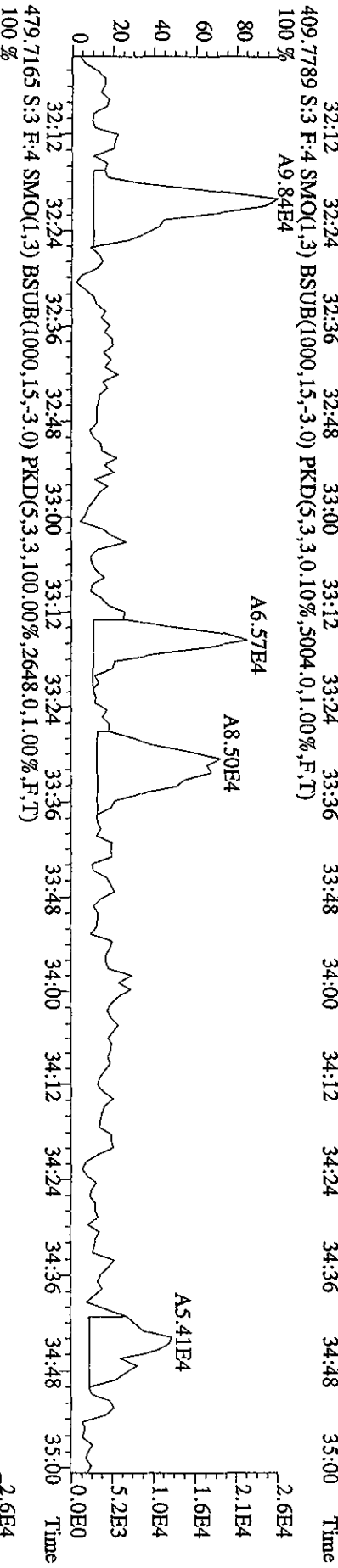
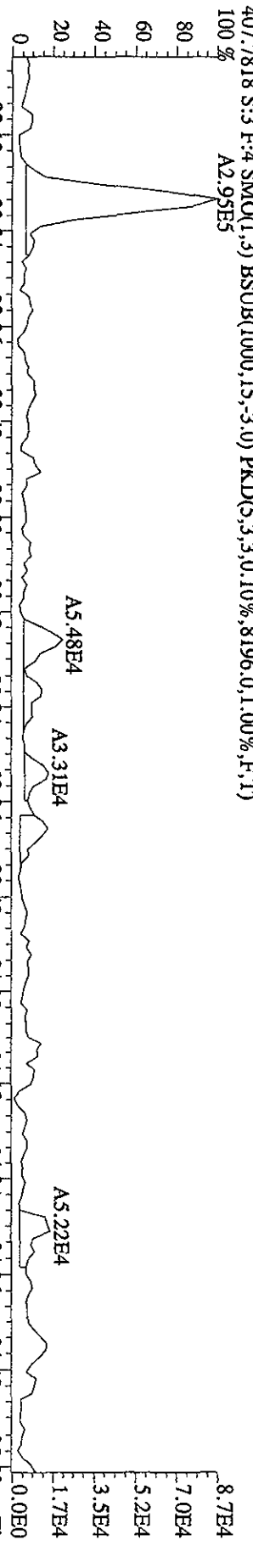
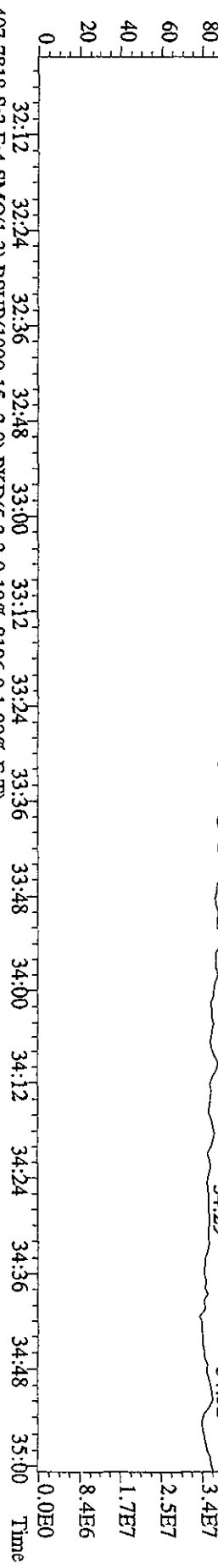




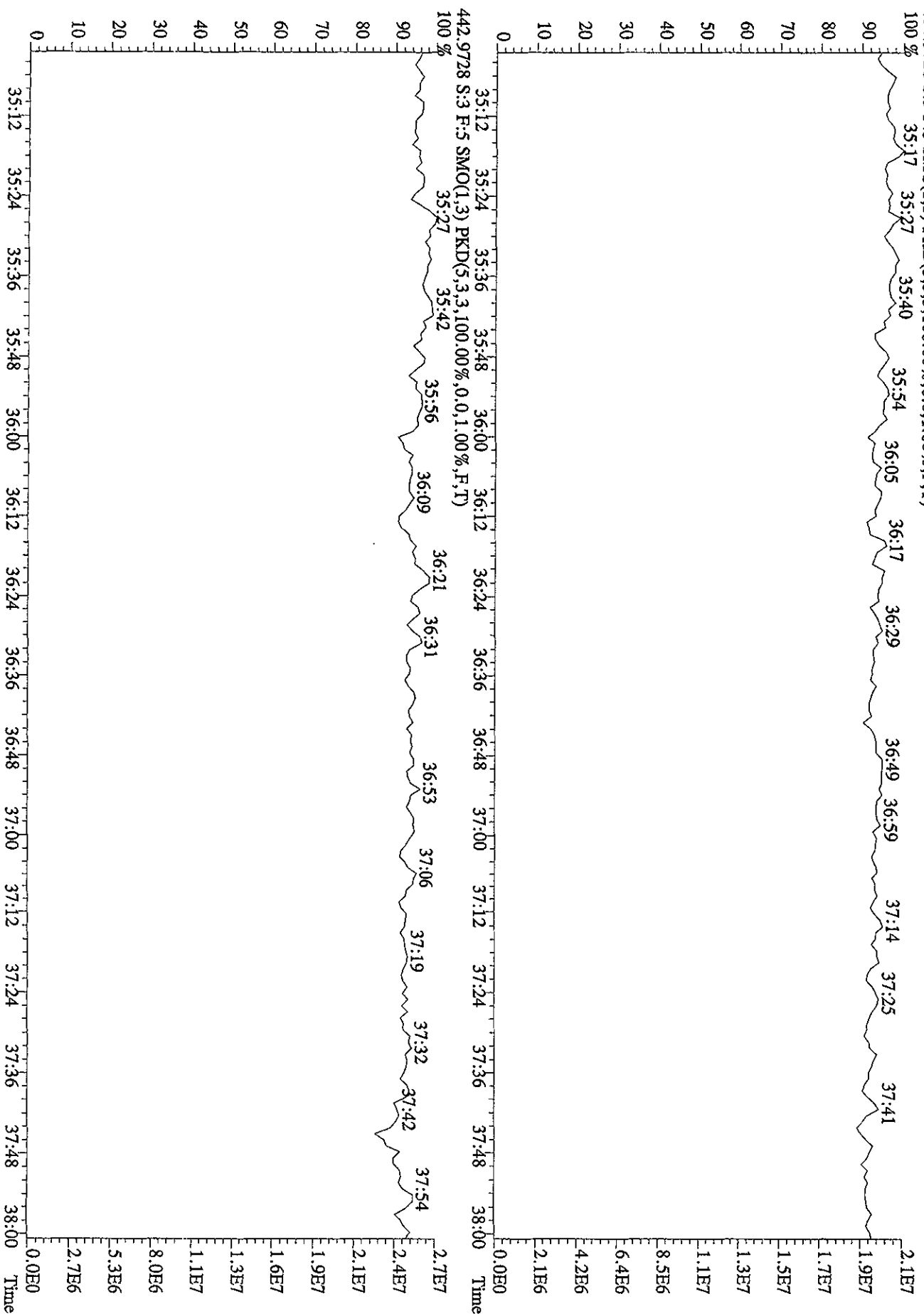
File:06OCC101D5 #1-422 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage S1R 70SE
 Sample#3 Text:L7VVQ-1-AA :G01010000-374B Exp:DIOXINRES
 342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 %20:39 21:21 21:57 22:30 23:21 23:51 24:21 24:49 25:29 25:57 26:36 27:03







File:06OC101D5 #1-196 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVO-1-AA :G0J010000-374B Exp:DIOXINRES
 454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



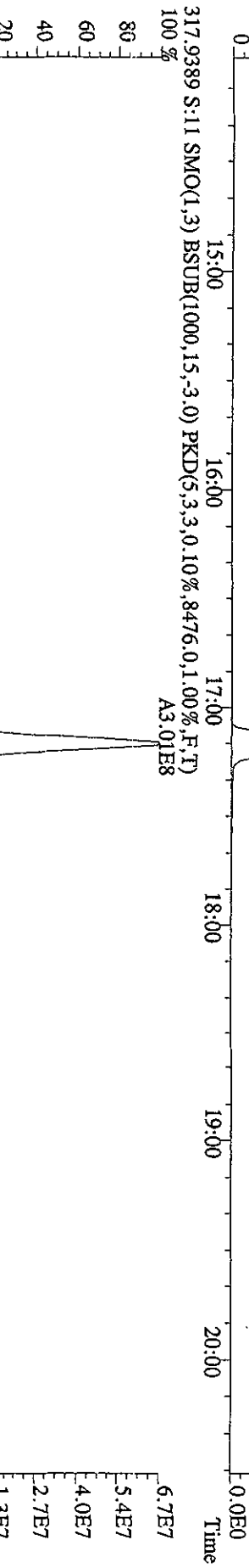
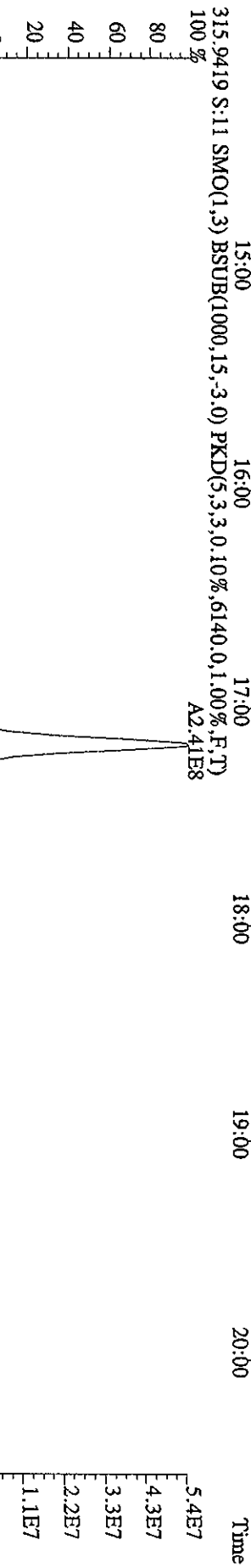
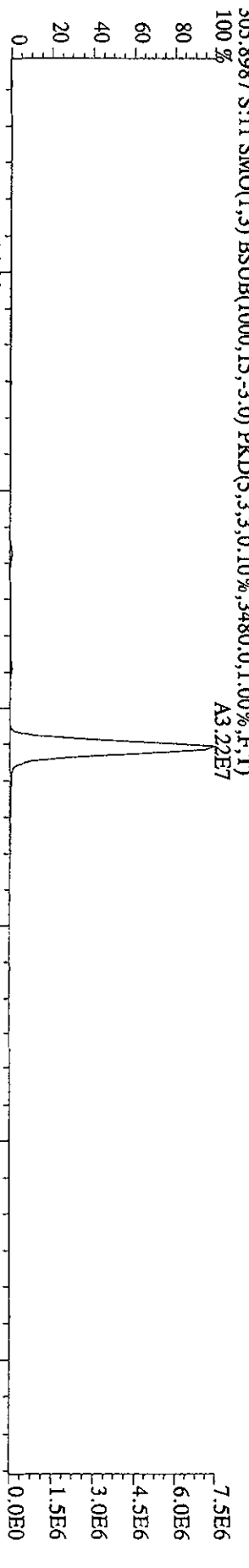
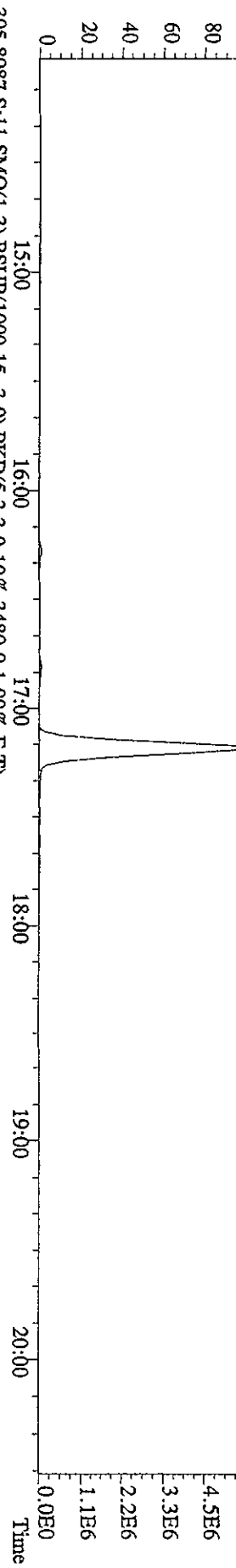
Run text: L7VVQ-1-AC Sample text: L7VVQ-1-AC :G0J010000-374C
 Run #9 Filename: 06OC101D5 S: 11 I: 1 Results: 06OC101D5TO9TO9
 Acquired: 6-OCT-10 17:00:22 Processed: 6-OCT-10 18:26:57
 Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 Sample

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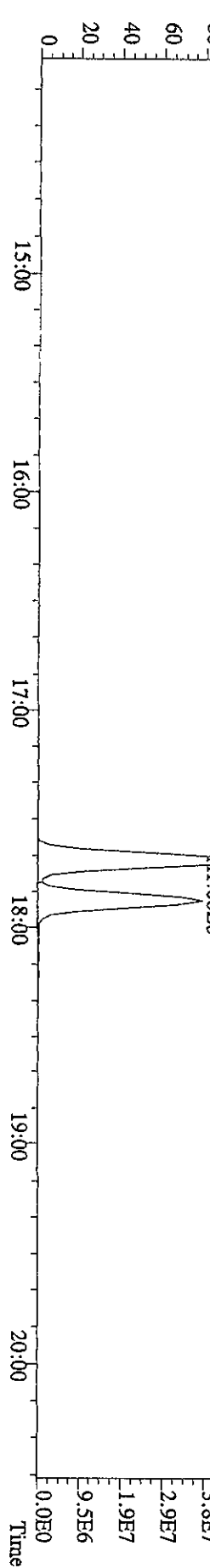
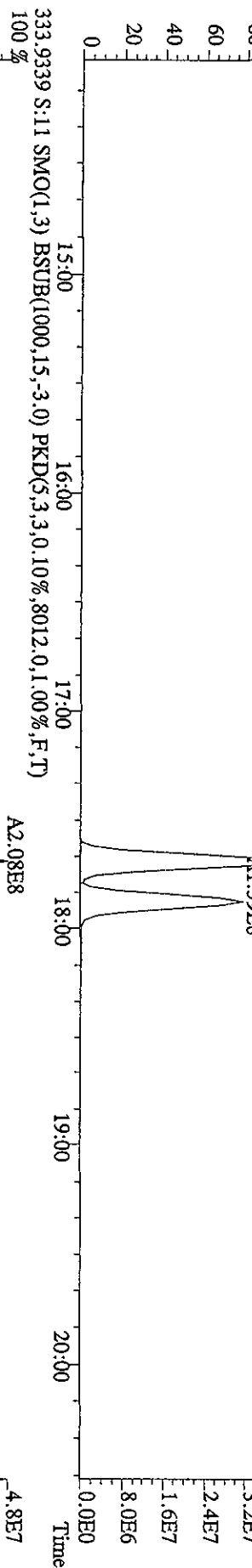
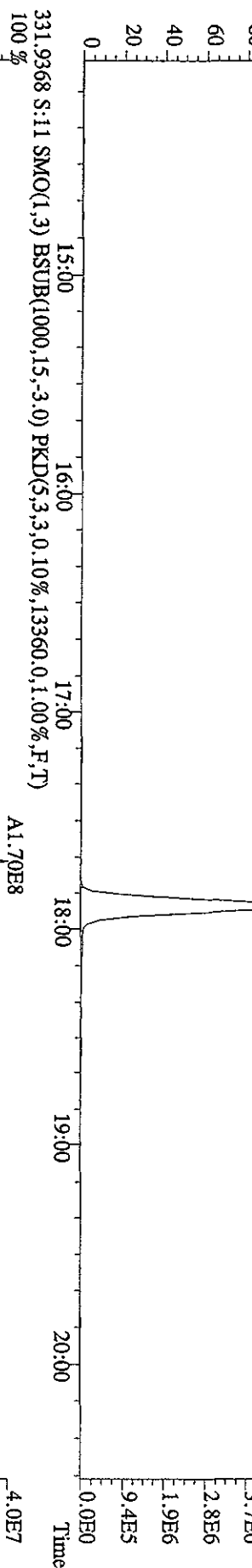
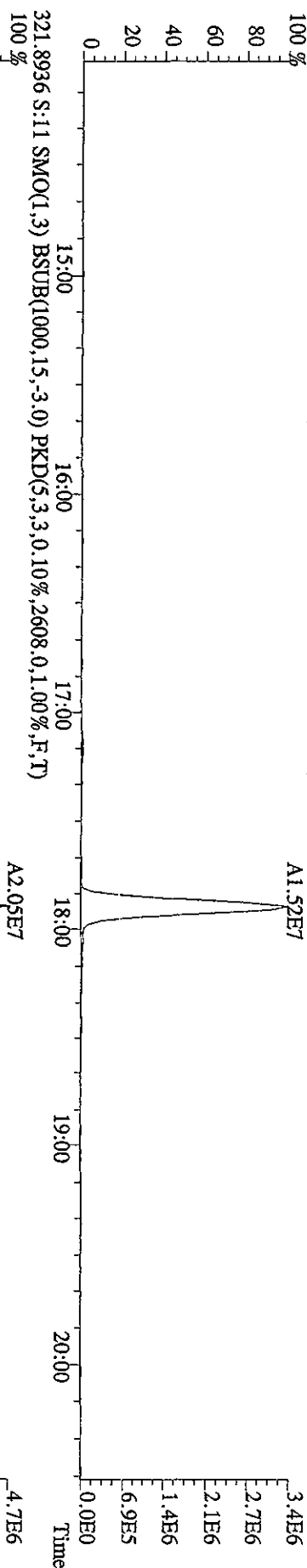
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	378593000	0.82 y	17:41	-	216.689	-	-	n
13C-2,3,7,8-TCDF	542168000	0.80 y	17:11	1.56	3664.740	1.282	91.6	n
2,3,7,8-TCDF	56435800	0.75 y	17:11	0.98	423.247	0.732	-	n
Total TCDF	57492820	0.77 y	16:17	0.98	431.174	0.732	-	n
13C-2,3,7,8-TCDD	306396000	0.83 y	17:52	0.92	3515.304	3.183	87.9	n
2,3,7,8-TCDD	35685000	0.74 y	17:53	1.03	451.575	0.895	-	n
Total TCDD	35881031	2.90 n	17:11	1.03	454.056	0.895	-	n
37Cl-2,3,7,8-TCDD	358628	1.00 y	17:53	1.23	3.818	1.216	0.2	n
13C-1,2,3,7,8-PeCDF	427750000	1.68 y	22:11	1.05	4293.699	2.156	107.3	n
1,2,3,7,8-PeCDF	268923000	1.62 y	22:13	1.09	2302.561	2.331	-	n
2,3,4,7,8-PeCDF	243556300	1.61 y	23:32	1.02	2238.025	2.502	-	n
Total F2 PeCDF	520532269	1.60 y	20:51	1.05	4611.972	2.413	-	n
Total F1 PeCDF	164761	0.52 n	15:15	1.05	1.461	0.666	-	n
13C-1,2,3,7,8-PeCDD	224753900	1.69 y	24:13	0.56	4233.849	1.042	105.8	n
1,2,3,7,8-PeCDD	132118800	1.68 y	24:14	1.07	2196.825	2.117	-	n
Total PeCDD	132118800	1.68 y	24:14	1.07	2196.825	2.117	-	n
13C-1,2,3,7,8,9-HxCDD	440672000	1.28 y	30:43	-	268.522	-	-	n
13C-1,2,3,4,7,8-HxCDF	408026000	0.53 y	29:24	0.99	3737.892	4.943	93.4	n
1,2,3,4,7,8-HxCDF	275132000	1.26 y	29:25	1.26	2139.024	4.892	-	n
1,2,3,6,7,8-HxCDF	297500000	1.24 y	29:33	1.53	1904.797	4.029	-	n
2,3,4,6,7,8-HxCDF	291954000	1.26 y	30:12	1.41	2033.720	4.383	-	n
1,2,3,7,8,9-HxCDF	279015000	1.27 y	30:55	1.40	1959.182	4.418	-	n
Total HxCDF	1144532229	1.24 y	28:04	1.40	8043.250	4.409	-	n
13C-1,2,3,6,7,8-HxCDD	304680000	1.29 y	30:26	0.74	3739.875	1.038	93.5	n
1,2,3,4,7,8-HxCDD	193164900	1.39 y	30:21	1.12	2264.665	1.579	-	n
1,2,3,6,7,8-HxCDD	197411800	1.18 y	30:26	1.14	2271.041	1.549	-	n
1,2,3,7,8,9-HxCDD	215366000	1.25 y	30:44	1.35	2088.484	1.306	-	n
Total HxCDD	605942700	1.39 y	30:21	1.20	6624.190	1.467	-	n
13C-1,2,3,4,6,7,8-HpCDF	330718000	0.46 y	32:20	0.96	3139.762	4.716	78.5	n
1,2,3,4,6,7,8-HpCDF	268993000	1.05 y	32:21	1.41	2310.431	3.071	-	n
1,2,3,4,7,8,9-HpCDF	214123000	1.05 y	33:32	1.24	2095.677	3.500	-	n
Total HpCDF	486204109	1.05 y	32:21	1.32	4434.362	3.271	-	n
13C-1,2,3,4,6,7,8-HpCDD	239041000	1.09 y	33:12	0.71	3046.602	5.713	76.2	n
1,2,3,4,6,7,8-HpCDD	153583000	1.07 y	33:13	1.13	2265.613	3.156	-	n
Total HpCDD	154665500	0.96 y	32:37	1.13	2281.582	3.156	-	n
13C-OCDD	240276000	0.92 y	35:46	0.35	6183.981	6.159	77.3	n

OCDF	239352000	0.92	y	35:54	2.12	3763.489	3.155	-	n
OCDD	168551000	0.91	y	35:47	1.37	4092.976	3.826	-	n

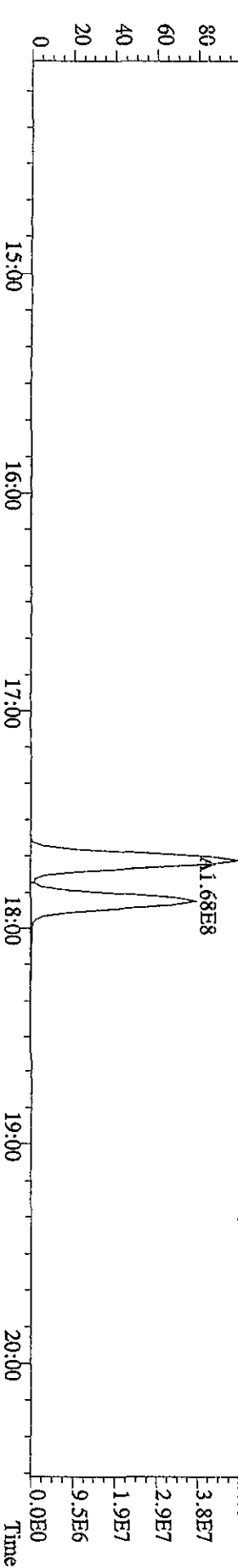
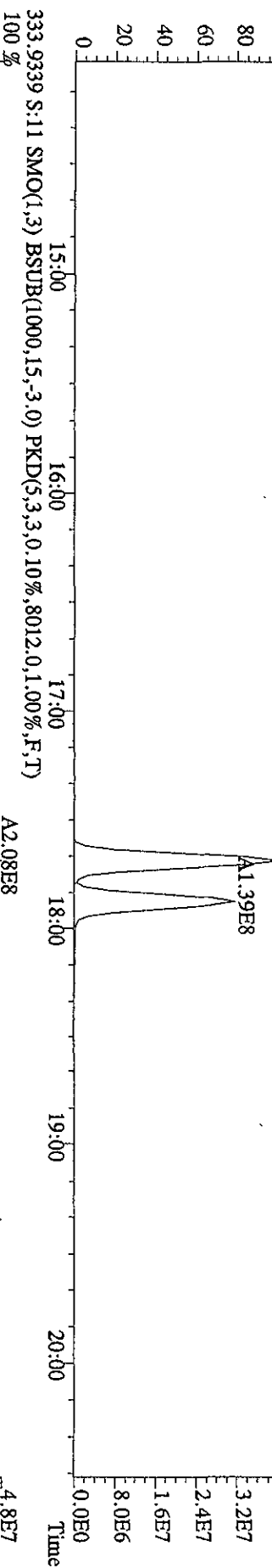
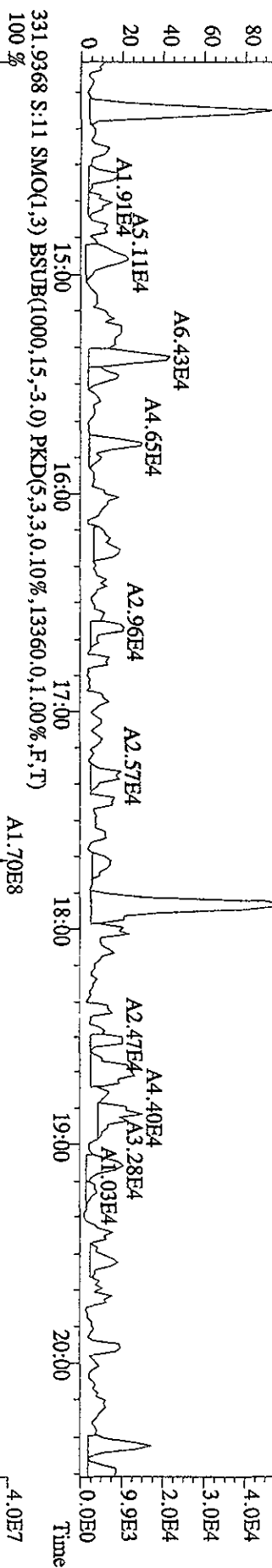
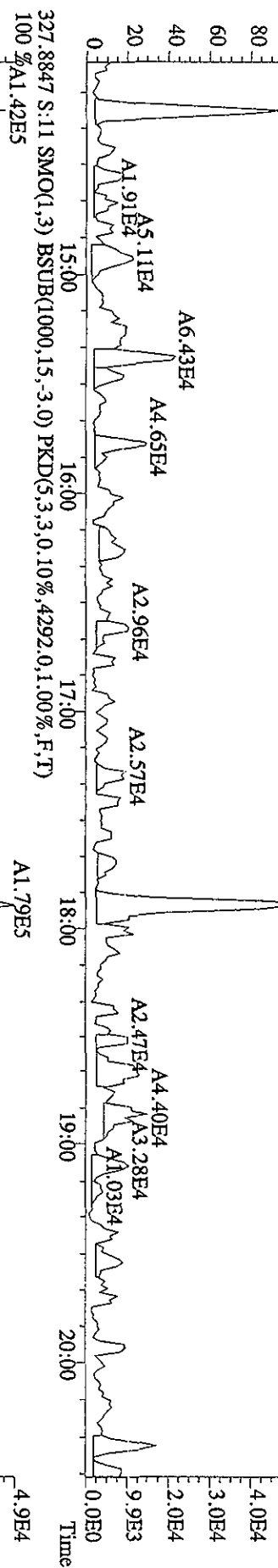
File:06OC101D5 #1-382 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text:L7VYQ-1-AC :G0I010000-374C Exp:DIOXINRES
 303.9016 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3808.0,1.00%,F,T)
 100% A2.42E7



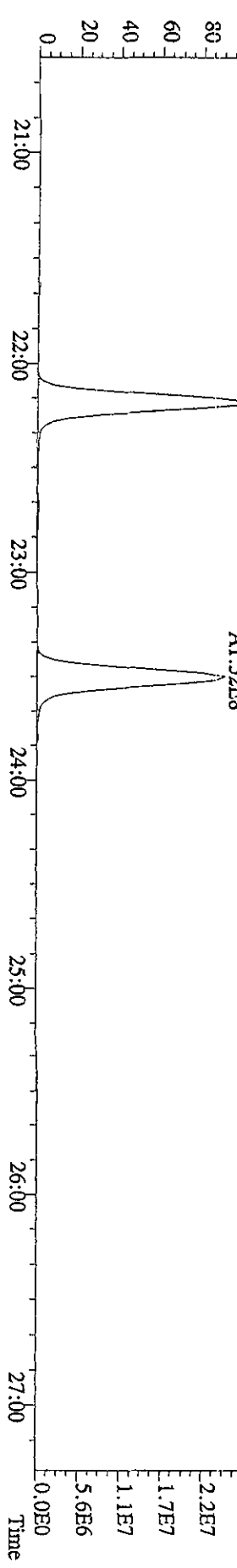
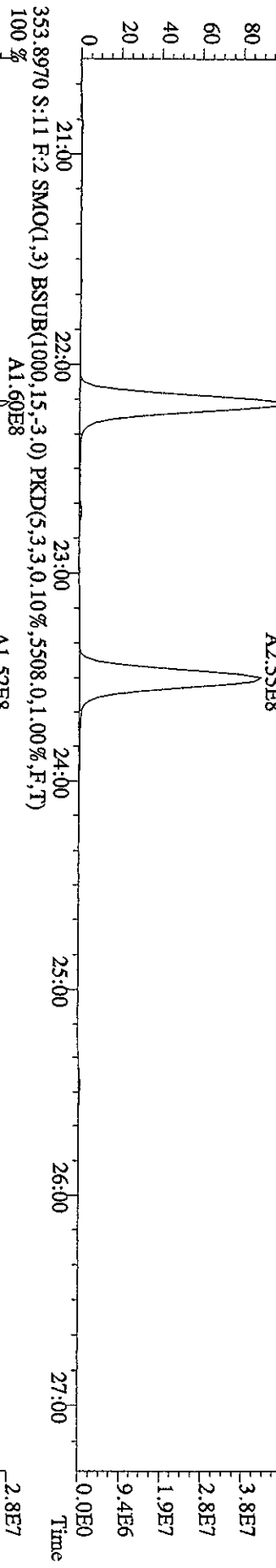
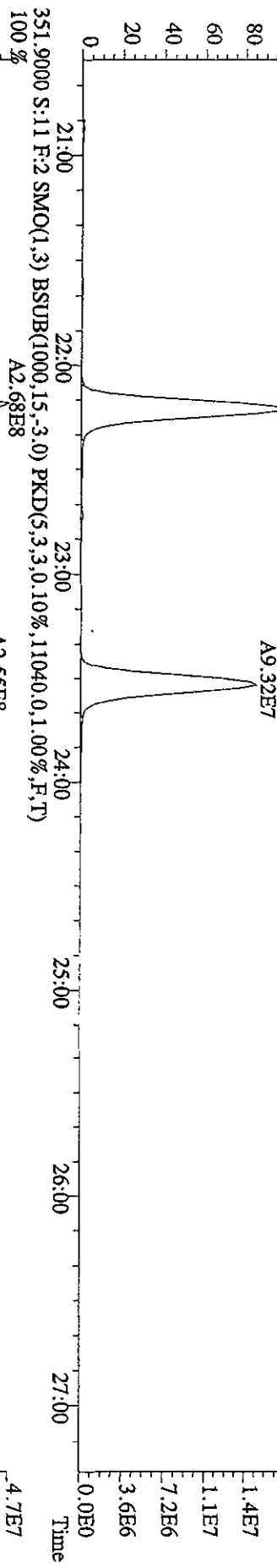
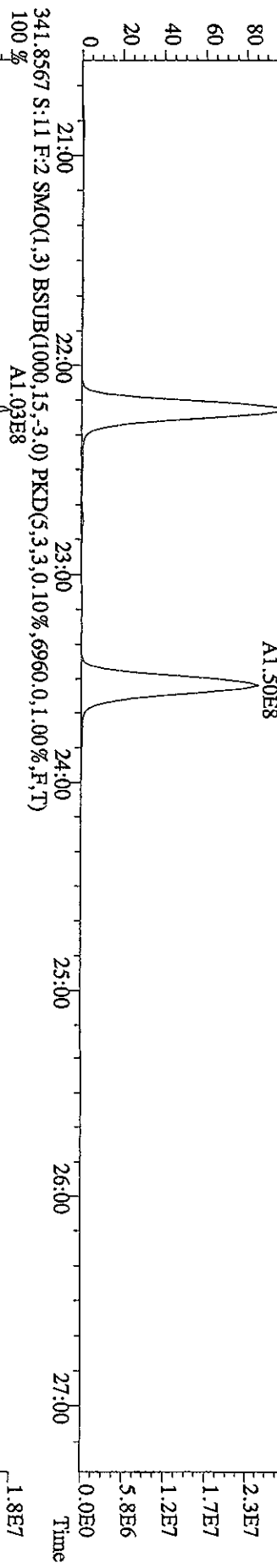
File:06OC101D5 #1-382 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text:L7VYQ-1-AC :G01010000-374C Exp:DIOXINRES
 319.8965 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2708,0,1,00%,F,T)
 100 %



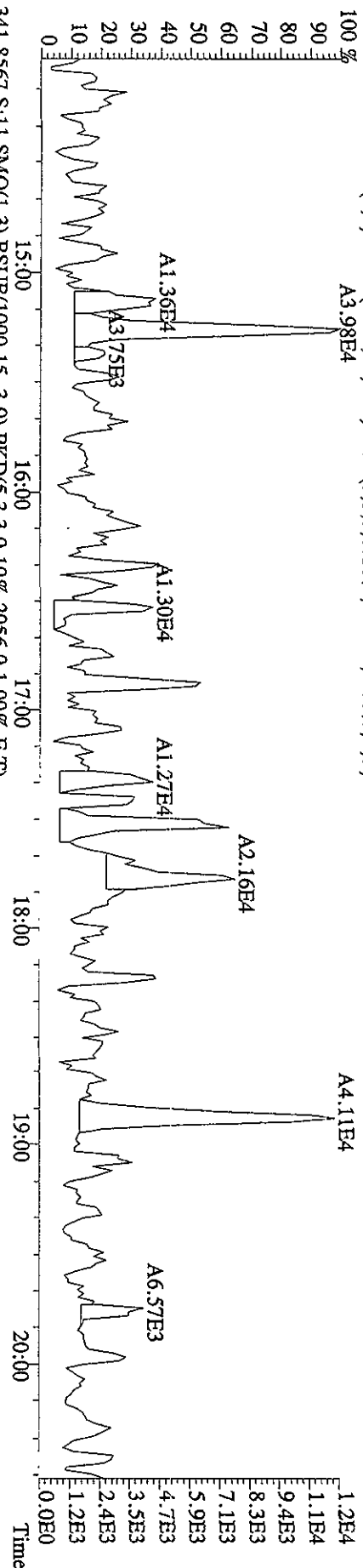
File:060C101D5 #1-382 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text:L7VVQ-1-AC :G01010000-374C Exp:DIOXINRES
 327.8847 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4292.0,1.00%,F,T)
 100 %A1.42E5



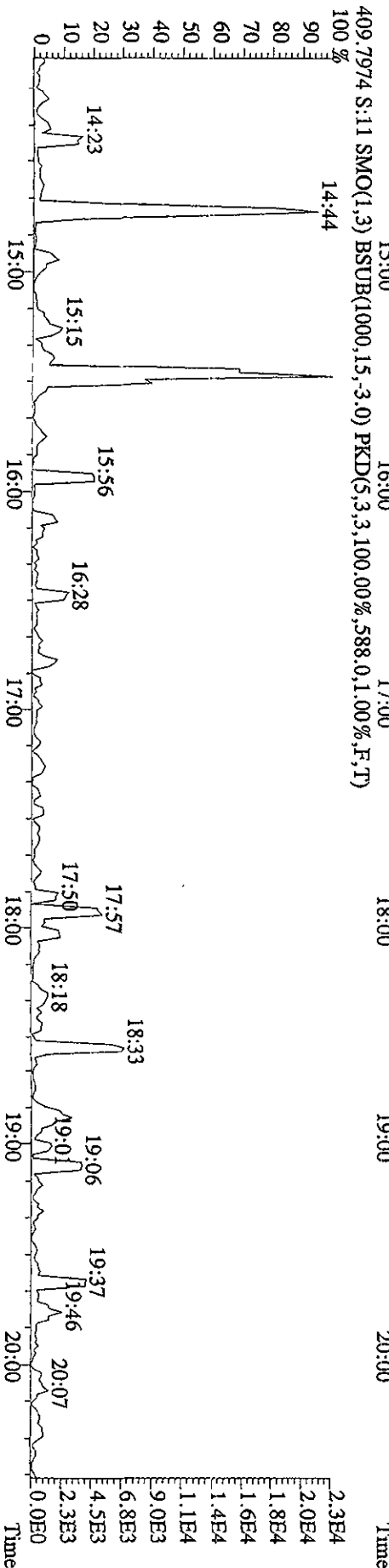
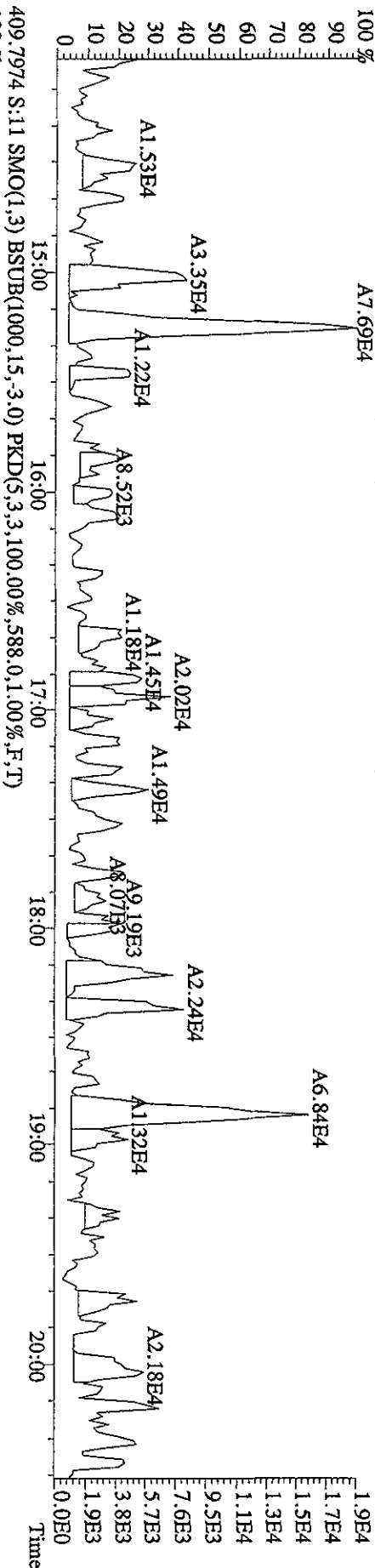
File:060C101D5 #1-422 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text:LTVVQ-1-AC :G0J010000-374C Exp:DIOXINRES
 339.8597 S:11 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8952,0,1,00%,F,T)
 100% A1.66E8



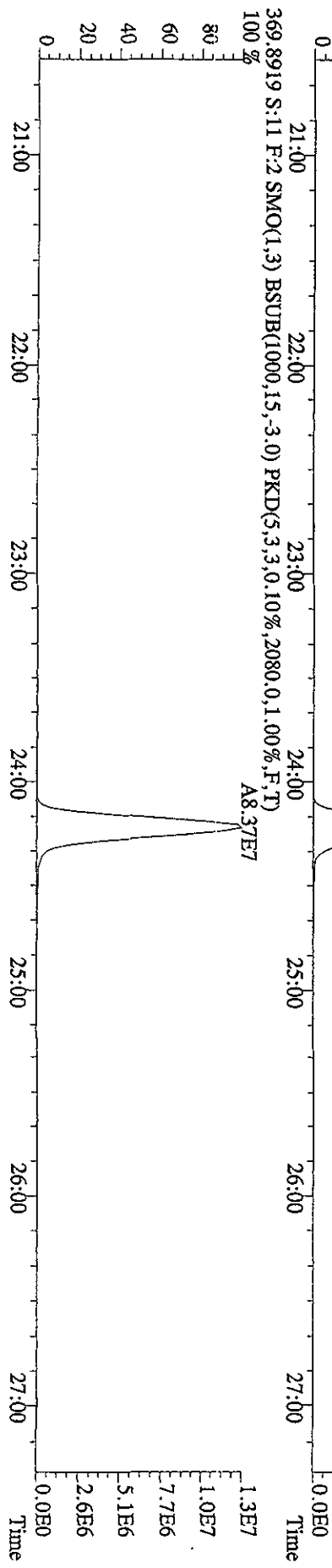
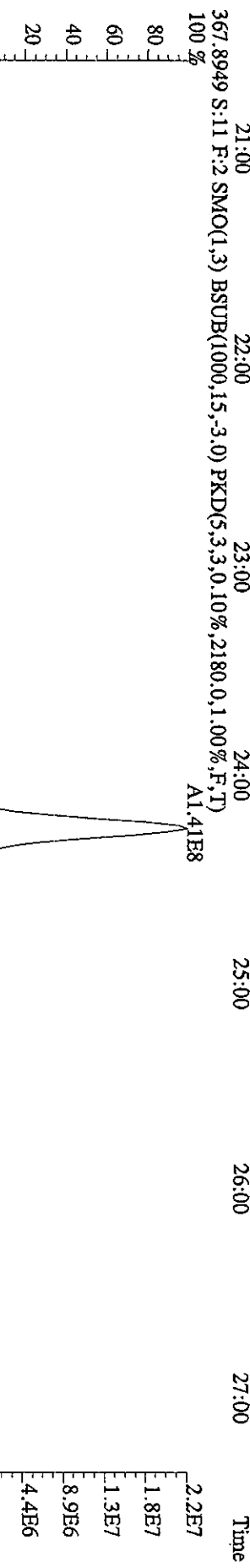
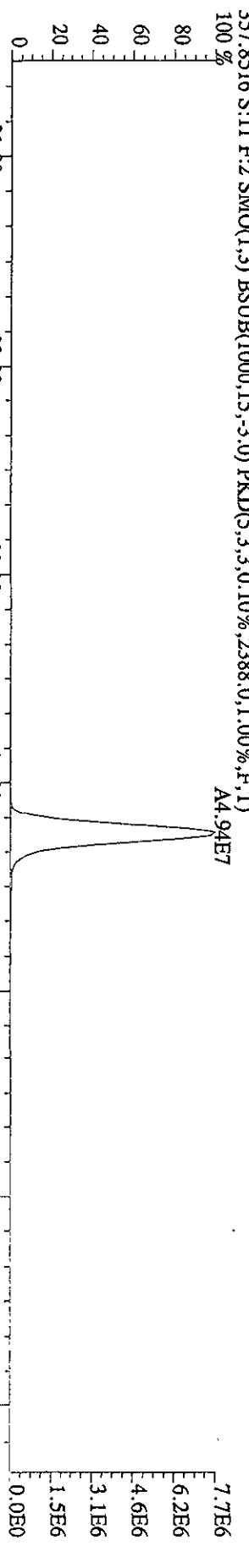
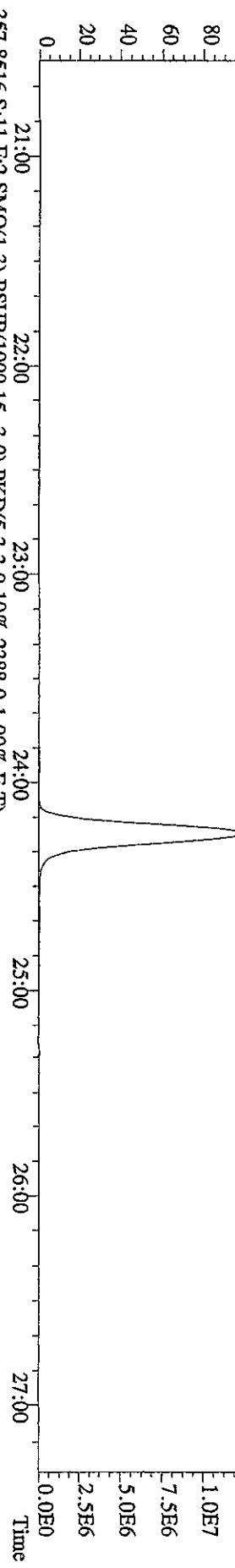
File:060C101D5 #1-382 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text:LTVVQ-1-AC :G01010000-374C Exp:DIOXINRES
 339:8597 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2336,0,1,00%,F,T)
 A3.98E4



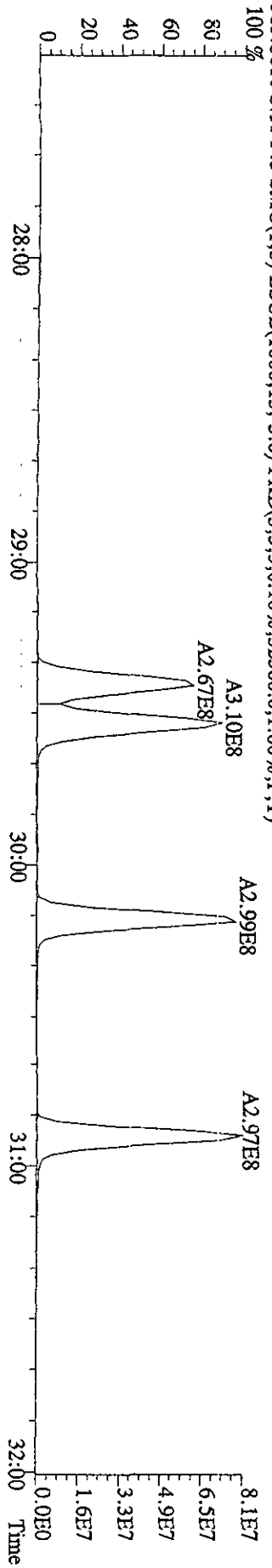
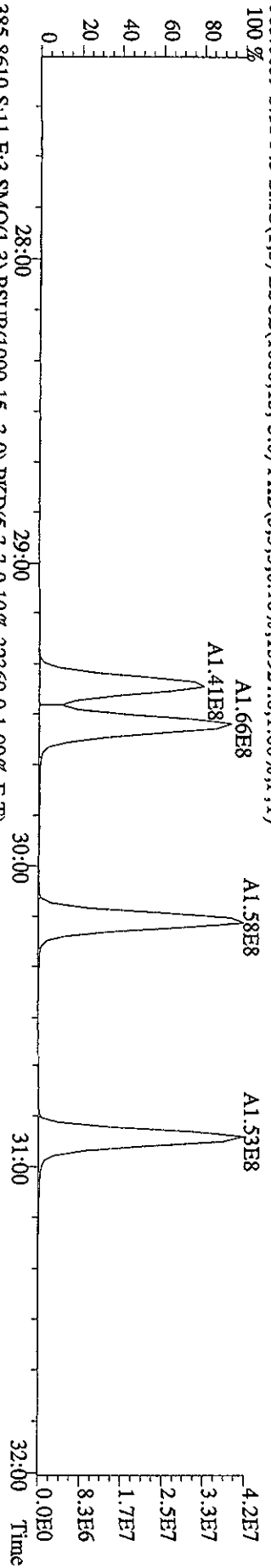
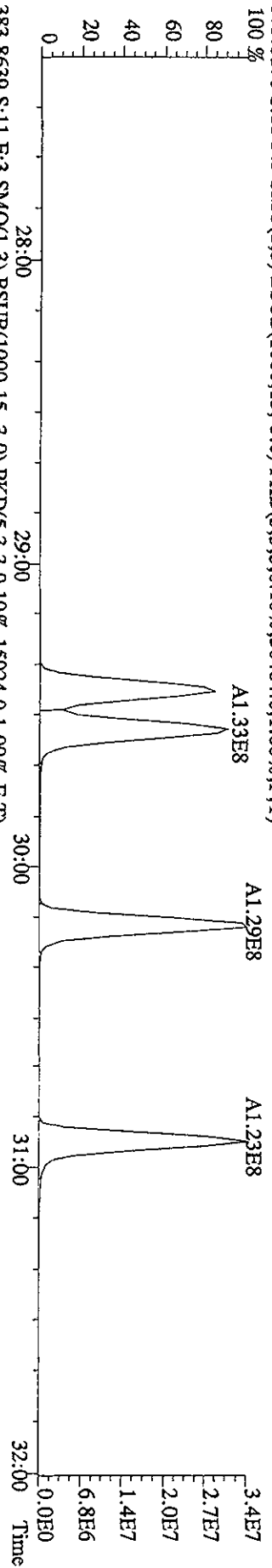
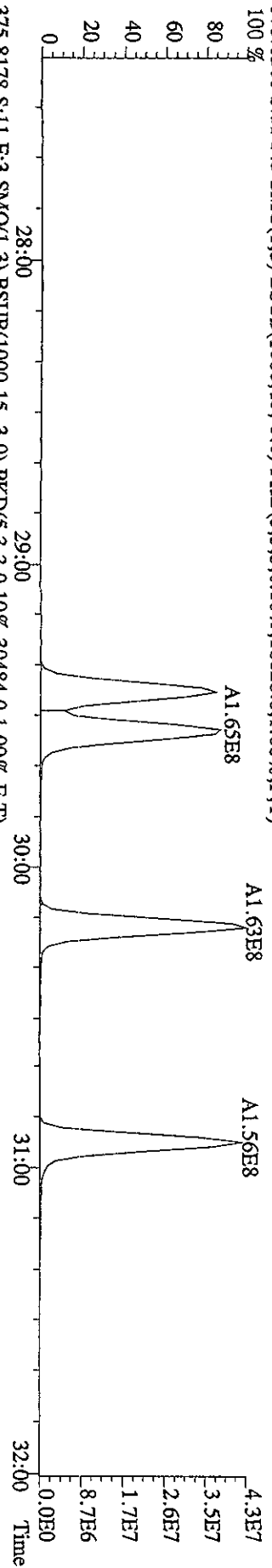
341:8567 S:11 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2056,0,1,00%,F,T)
 A7.69E4



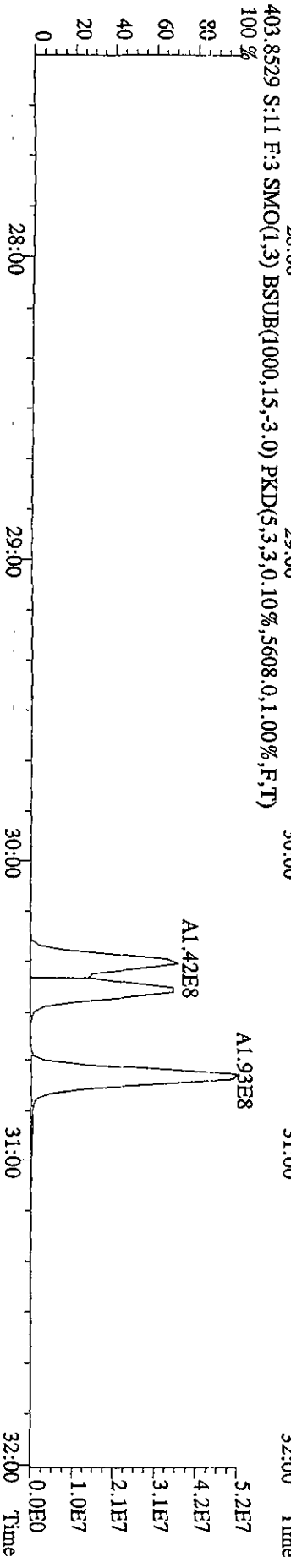
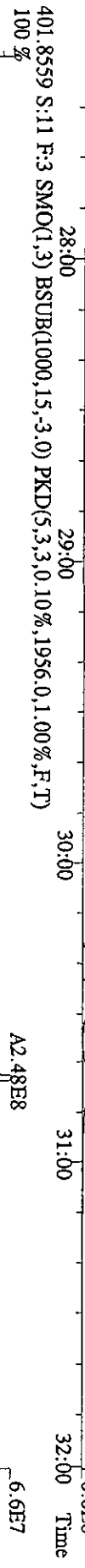
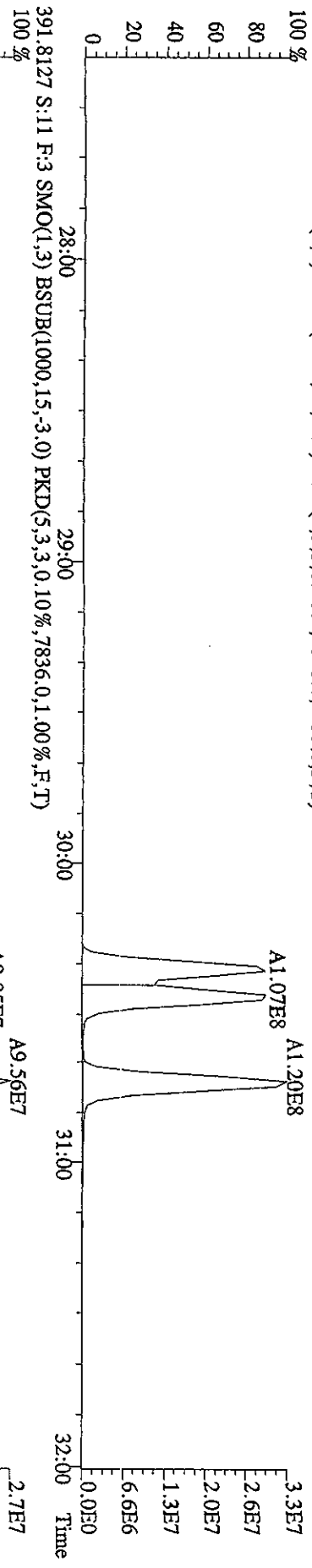
File:060C101D5 #1-422 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text:LTVVQ-1-AC :G01010000-374C Exp:DIOXINRES
 355.8546 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4212.0,1.00%,F,T)
 100 %



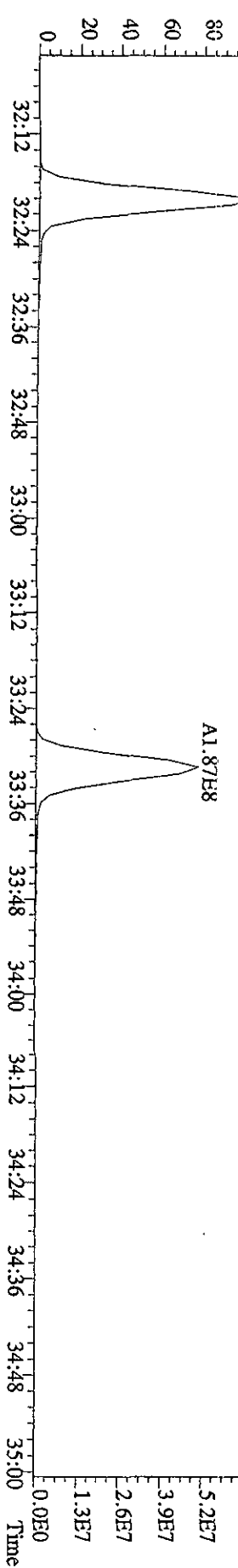
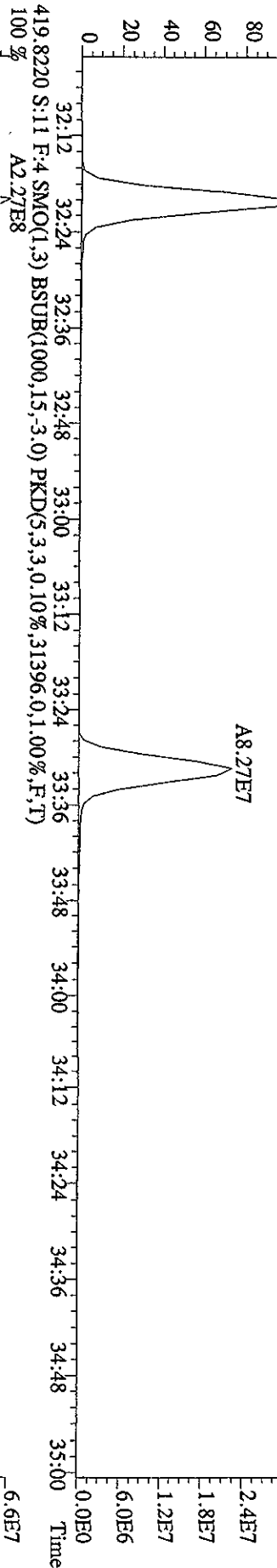
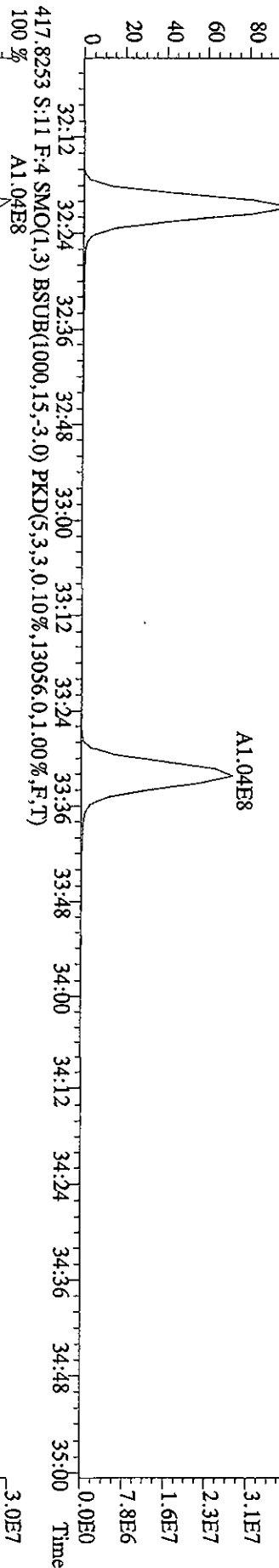
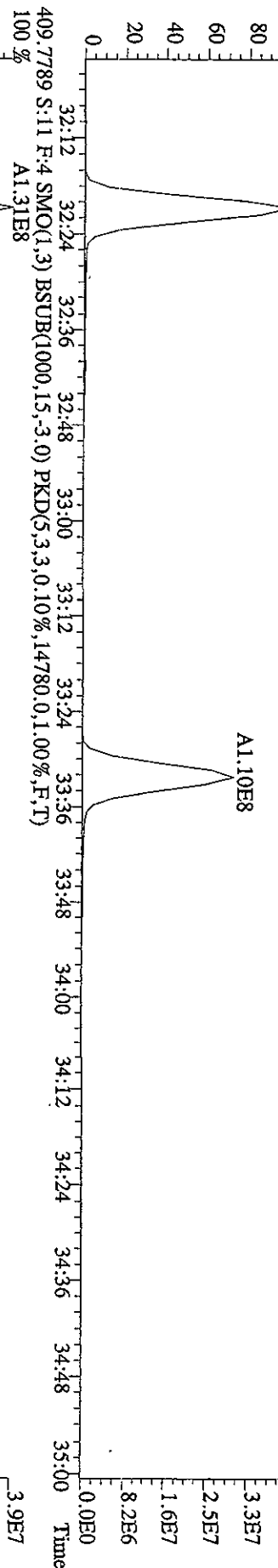
File:060C10ID5 #1-301 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text:L7VVQ-1-AC :G01010000-374C Exp:DIOXINRES
 373.8208 S:11 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18628.0,1.00%,F,T)



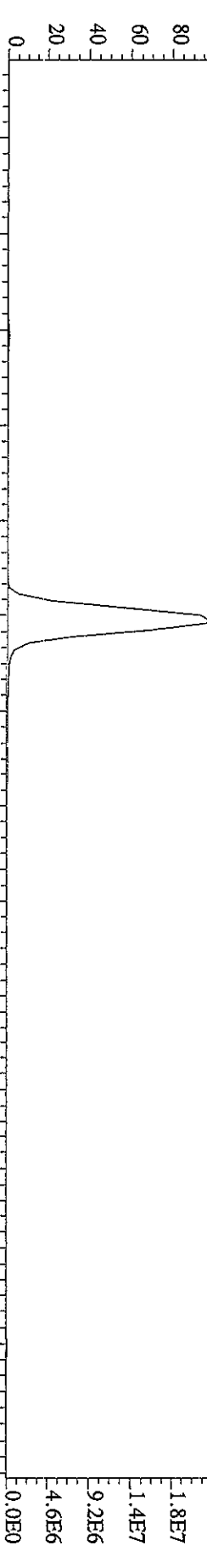
File:060C101D5 #1-301 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text:LTVVQ-1-AC :G01010000-374C Exp:DIOXINRES
 389.8157 S:11 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4368,0.1,0.00%,F,T)



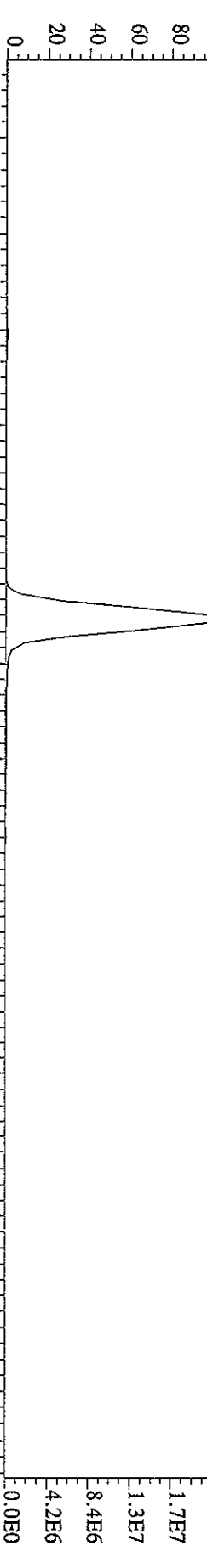
File:06OC101D5 #1-203 Acq: 6-OCT-2010 17:00:22 GC EI + Voltage SIR 70SE
 Sample#11 Tex:L7VVO-1-AC :G01010000-374C Exp:DIOXINES
 407.7818 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19756,0.1,00%,F,T)
 100% A1.38E8



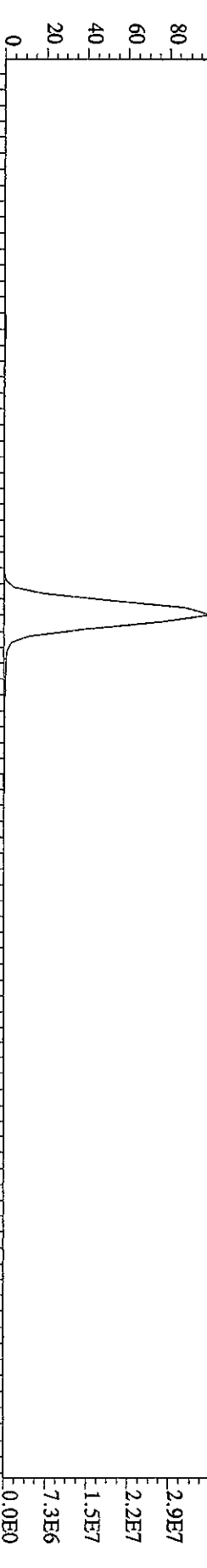
423.7766 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9580.0,1.00%,F,T)



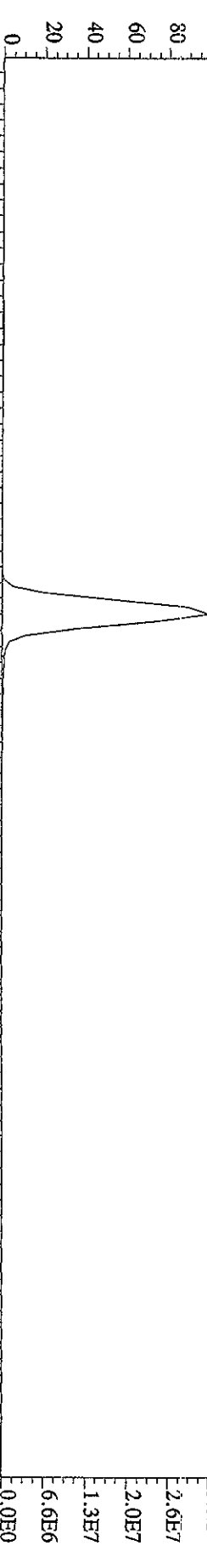
425.7737 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11112.0,1.00%,F,T)



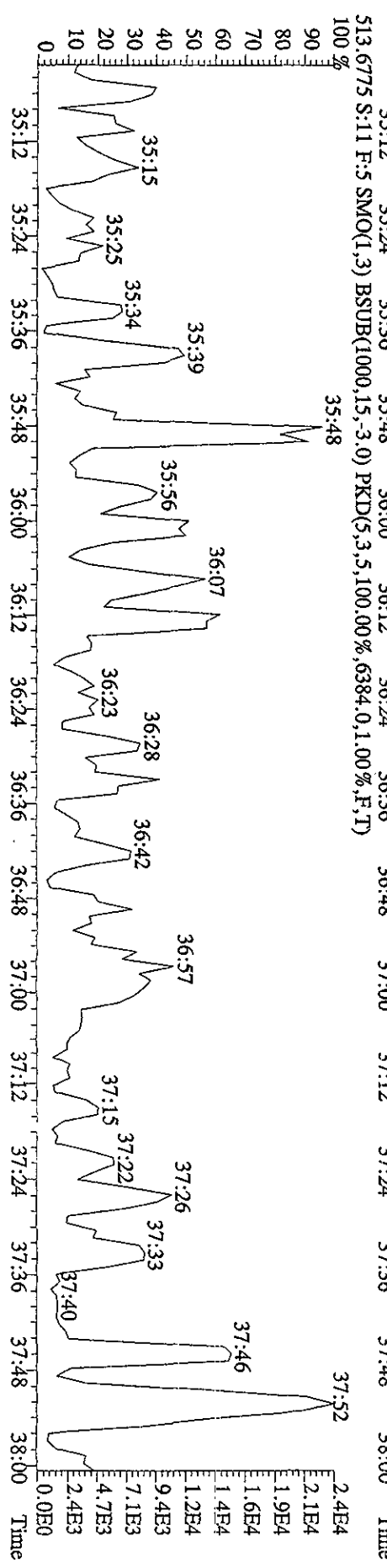
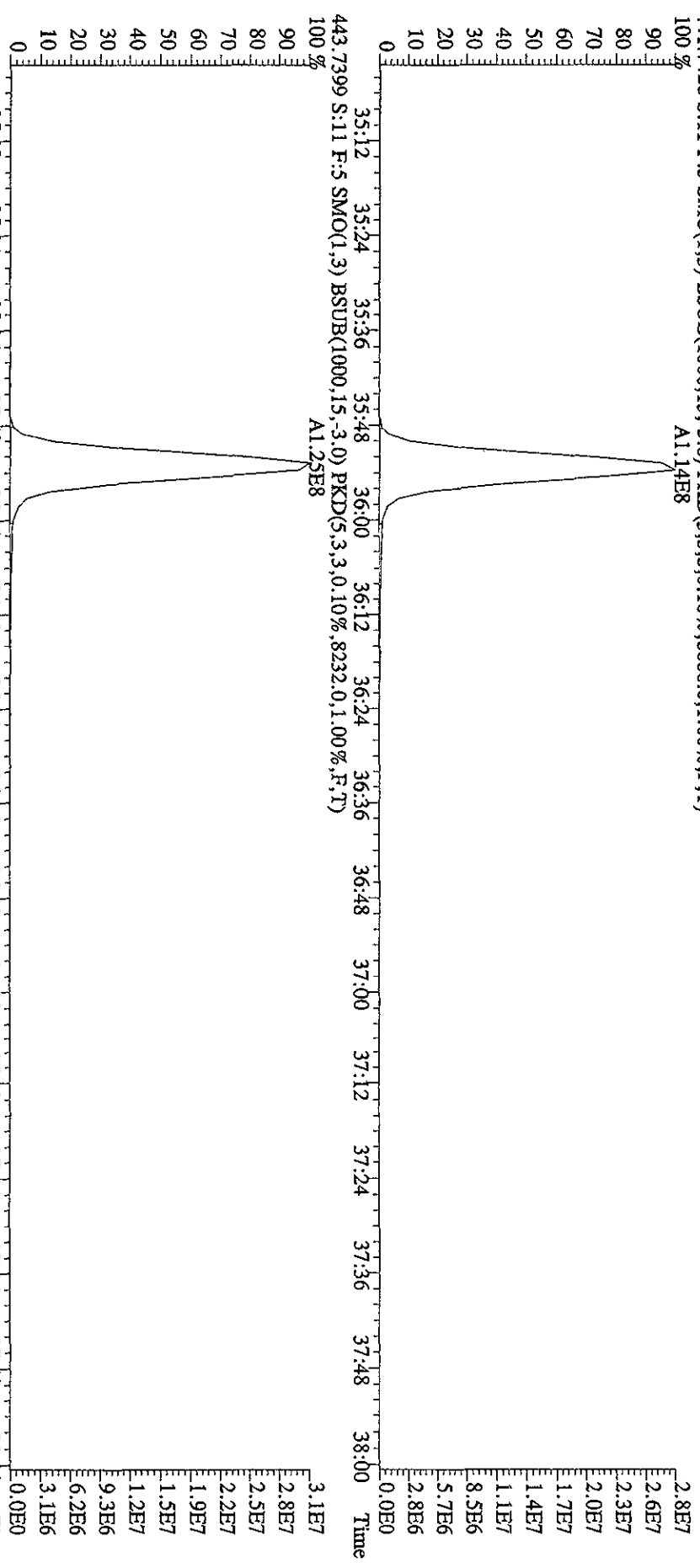
435.8169 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25048.0,1.00%,F,T)



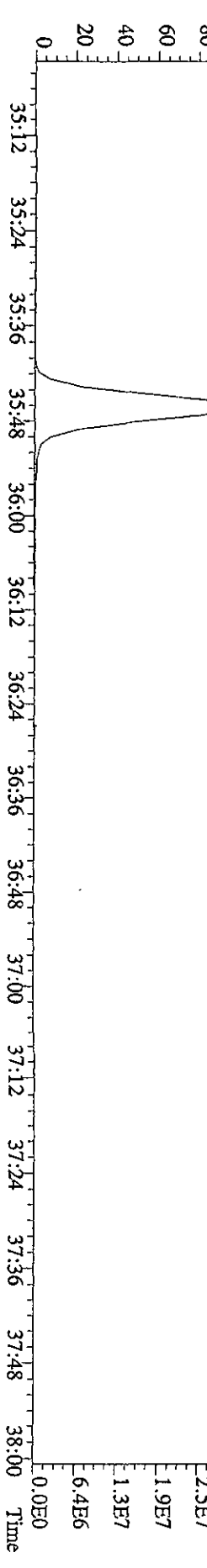
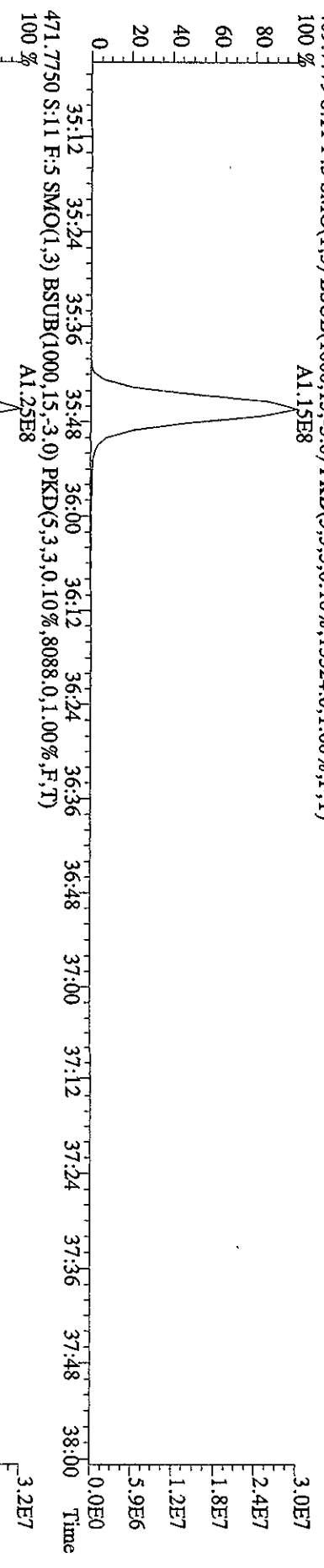
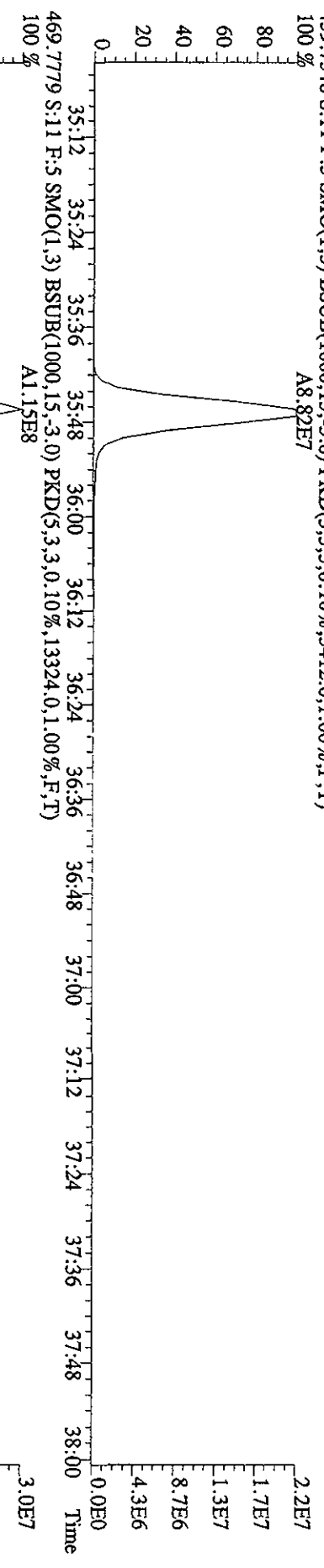
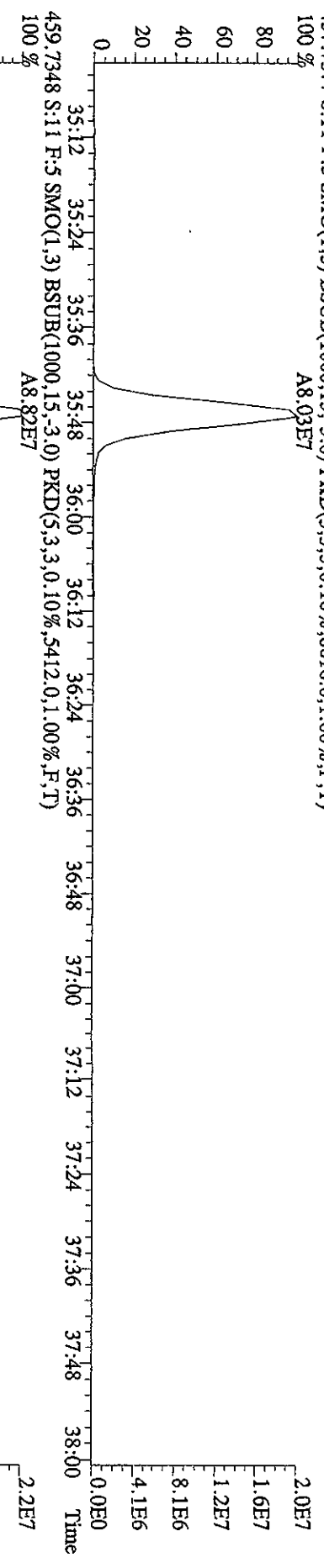
437.8140 S:11 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15060.0,1.00%,F,T)

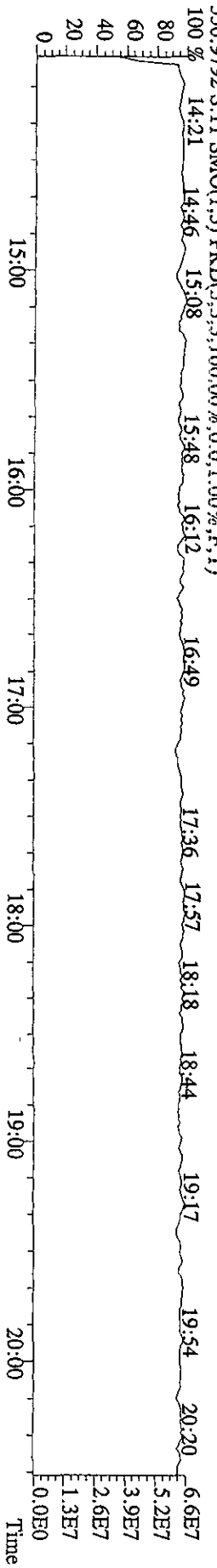
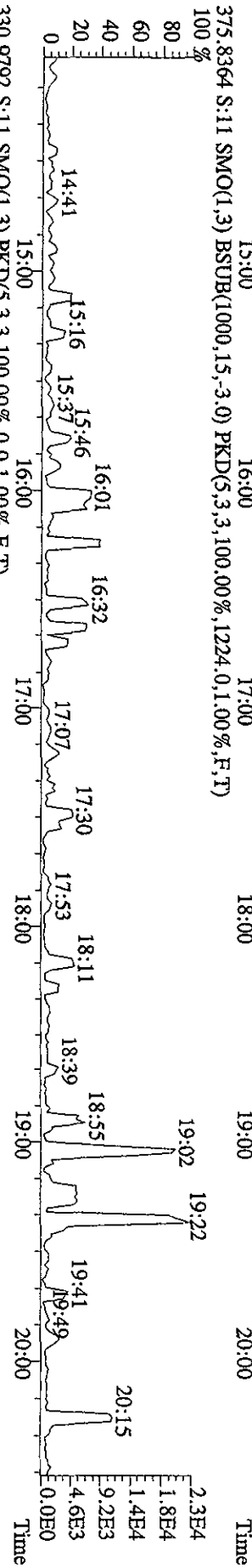
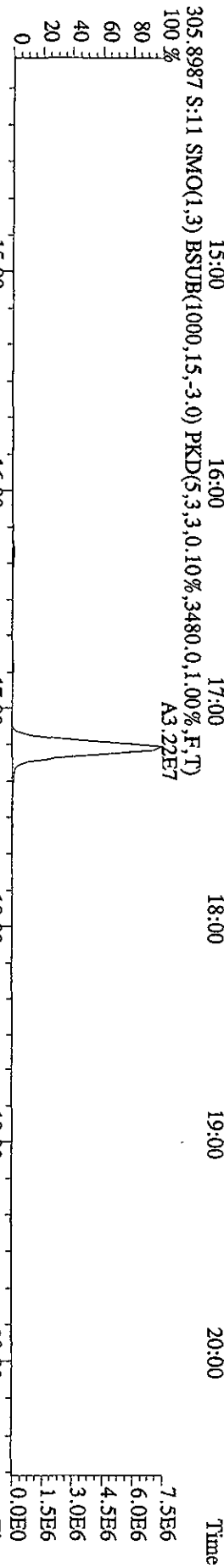
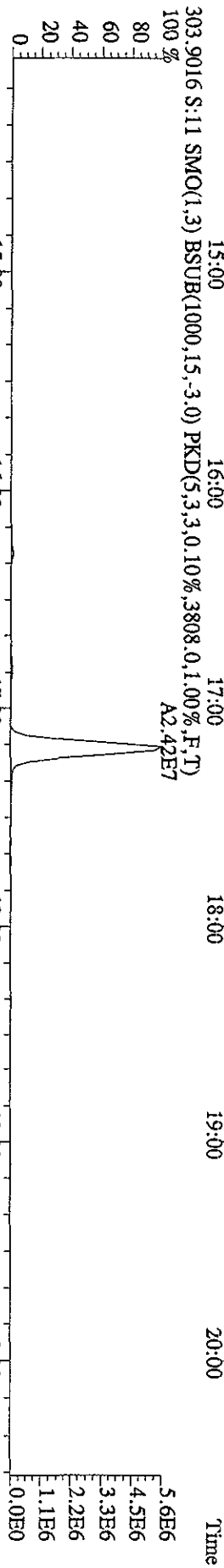
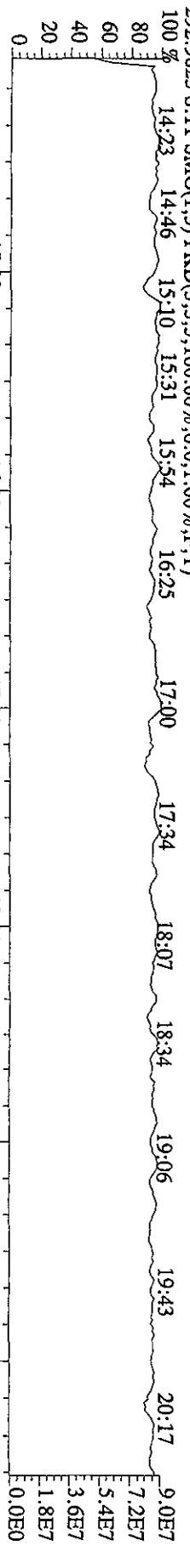


File:06OCT10ID5 #1-196 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text:LVVVO-1-AC :G01010000-374C Exp:DIOXINRES
 441.7428 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8868.0,1.00%,F,T)

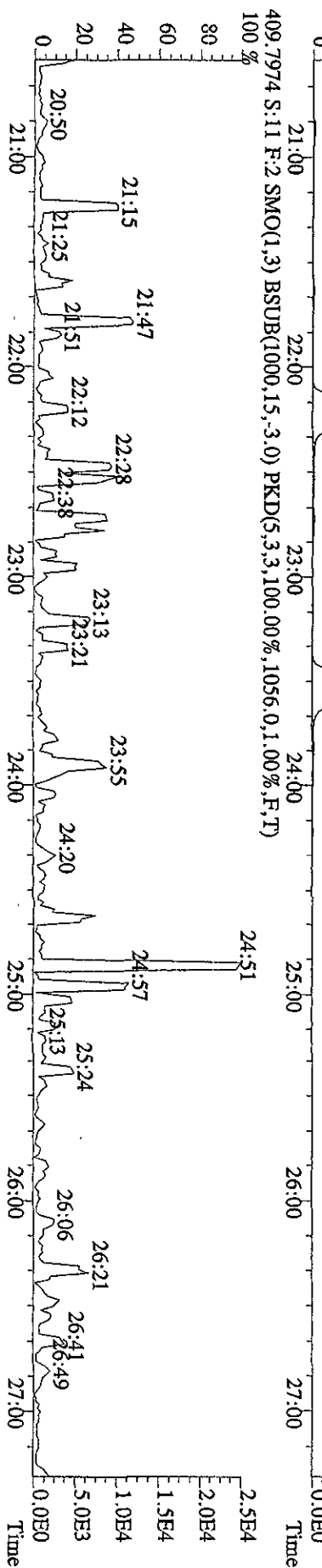
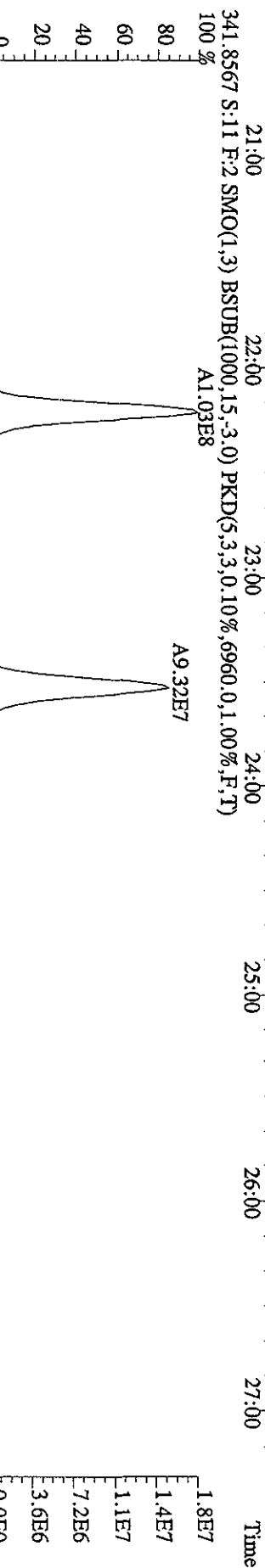
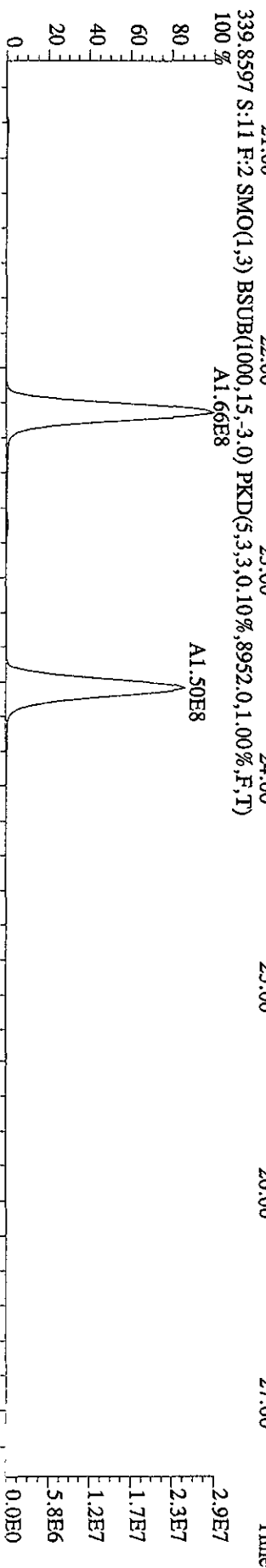
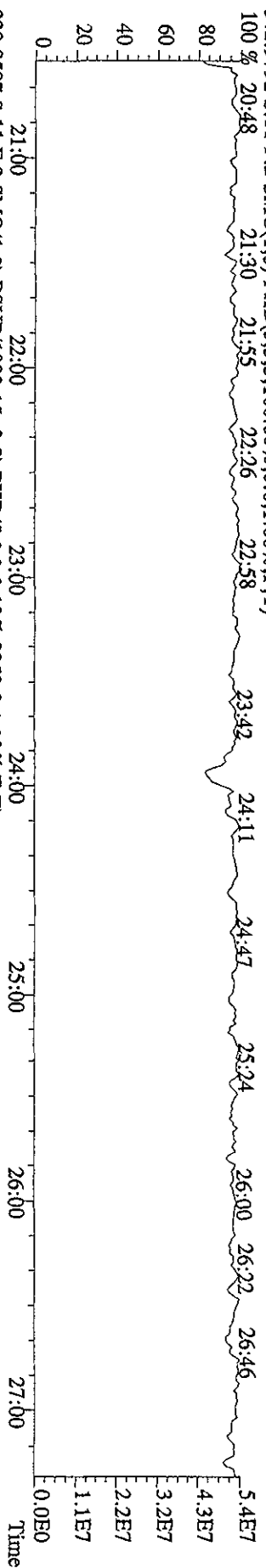


File:06OCT10IDS #1-196 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text:L7VVQ-1-AC :G01010000-374C Exp:DIOXINRES
 457.7377 S:11 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8016,0,1,100%,F,T)
 100 % A8.03E7

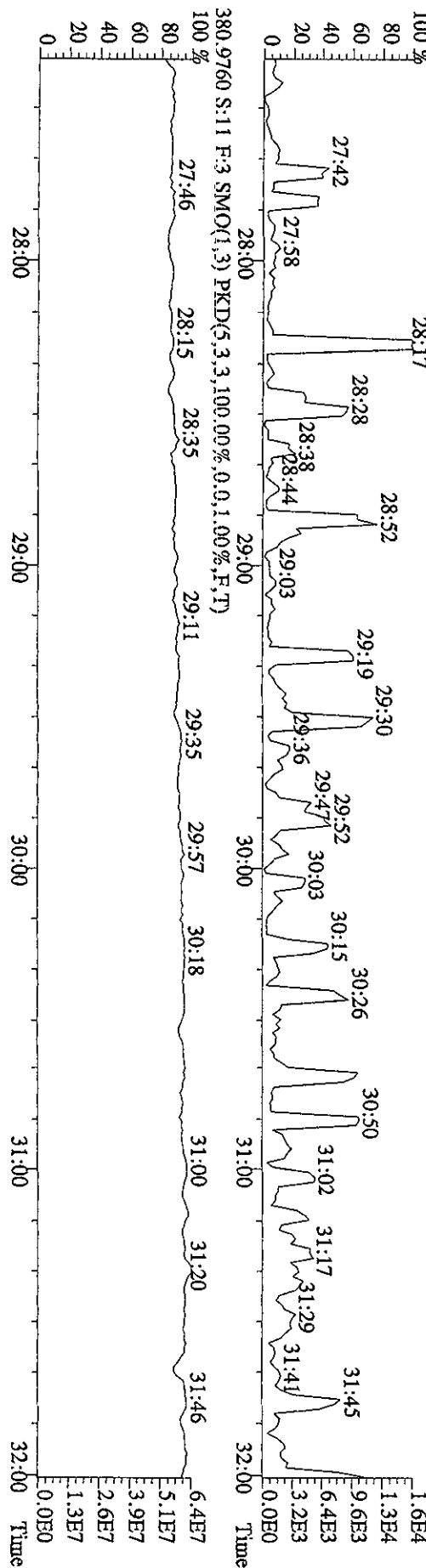
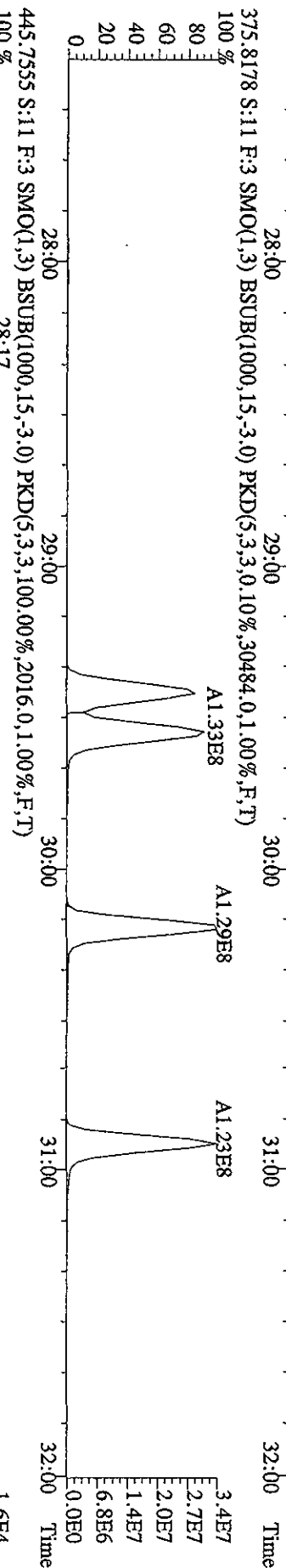
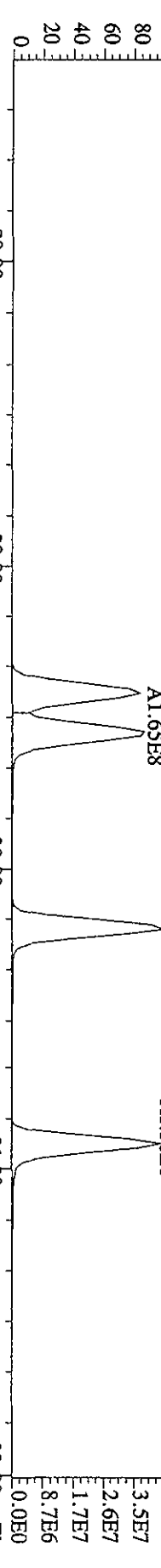
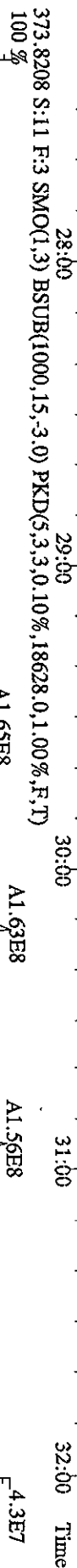
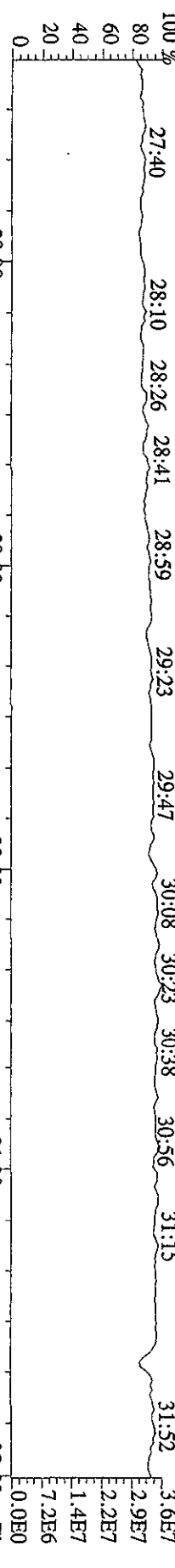




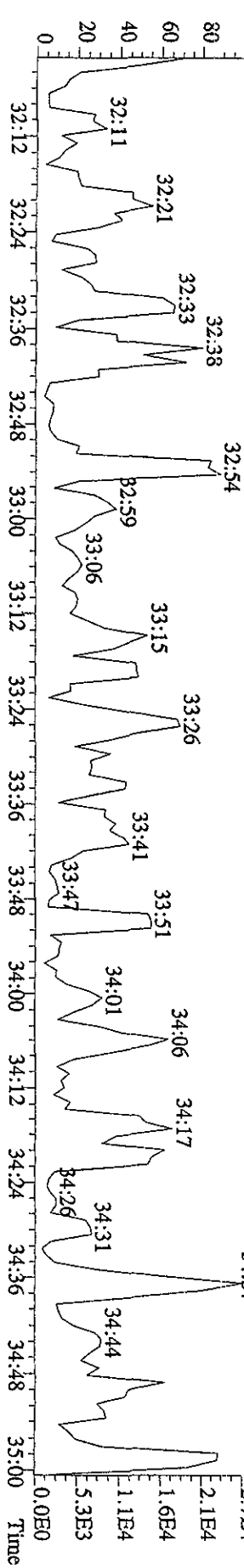
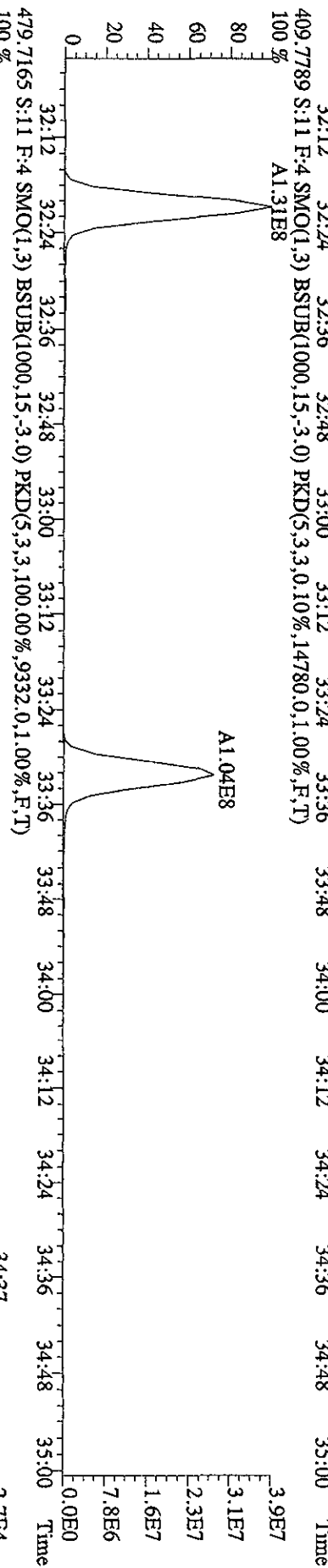
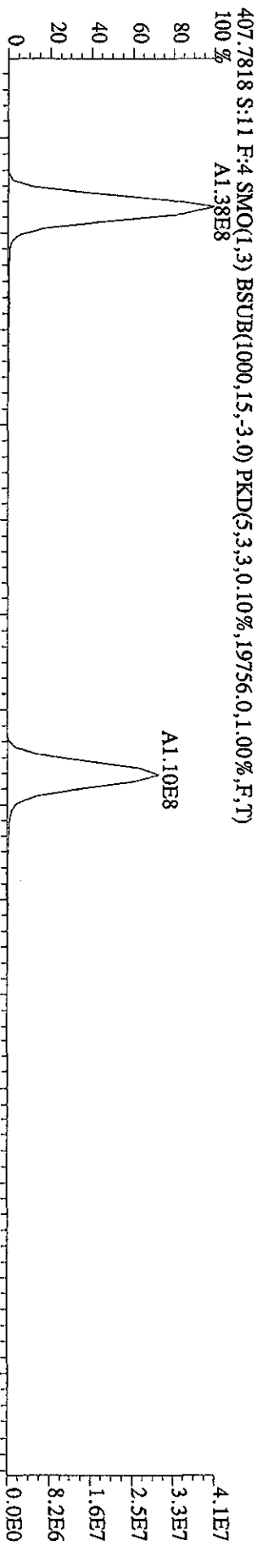
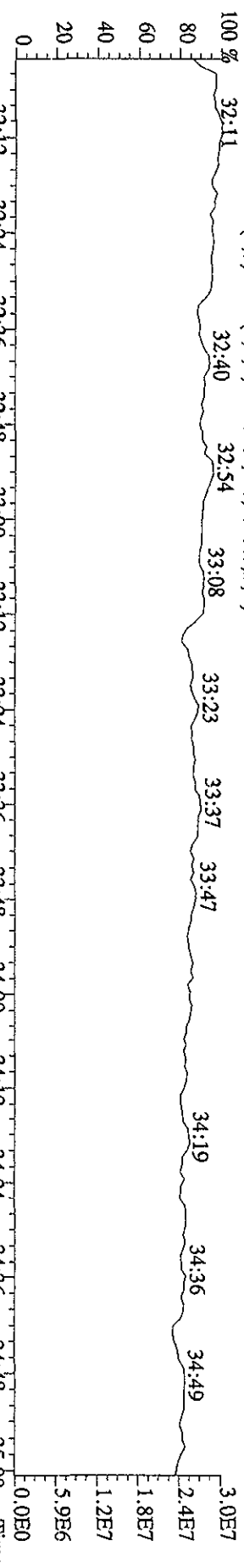
File:06OC101D5 #1-422 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text:17VVO-1-AC :G01010000-374C Exp:DIOXINRES
 342.9792 S:11 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 20:48 21:30 21:55 22:26 22:58 23:42 24:11 24:47 25:24 26:00 26:22 26:46



File: 060C101D5 #1-301 Acq: 6-OCT-2010 17:00:22 GC EI + Voltage SIR 70SE
 Sample#11 Text: LTVVQ-1-AC :G01010000-374C Exp: DIOXINRES
 392.9760 S:11 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File: 060CI01D5 #1-203 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE
 Sample#11 Text: LTVVO-1.AC : G01010000-374C Exp: DIOXINRES
 430.9728 S:11 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:06OCT10ID5 #1-196 Acq: 6-OCT-2010 17:00:22 GC EI+ Voltage SIR 70SE

Sample#11 Text:L/VVVO-1-AC :G01010000-374C

Exp:DIOXINRES

454.9728 S:11 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 35:10

35:27

35:46

36:00

36:18

36:27

36:39

36:58

37:09

37:13

37:23

37:40

1.4E7

1.3E7

1.1E7

1.0E7

8.6E6

7.1E6

5.7E6

4.3E6

2.9E6

1.4E6

0.0E0

442.9728 S:11 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 35:12

35:24

35:36

35:48

36:00

36:12

36:24

36:36

36:48

37:00

37:12

37:24

1.7E7

1.5E7

1.3E7

1.2E7

1.0E7

8.4E6

6.7E6

5.0E6

3.3E6

1.7E6

0.0E0

35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 Time

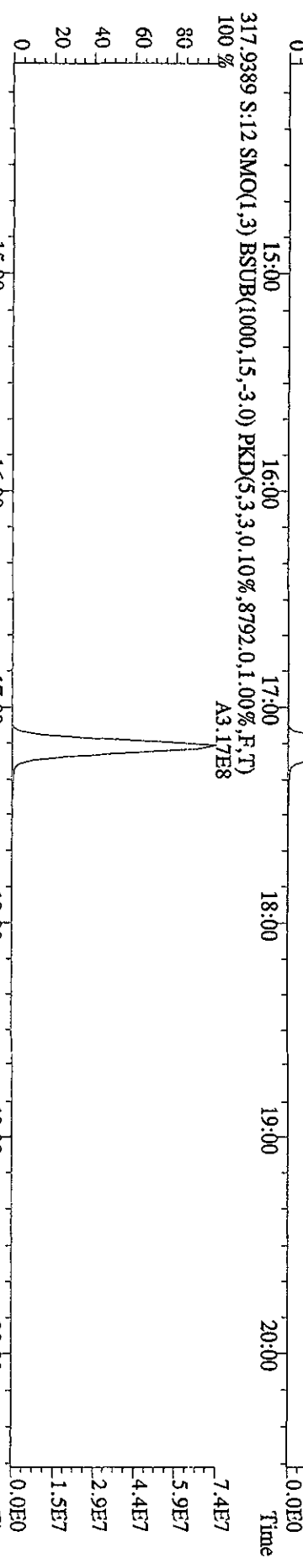
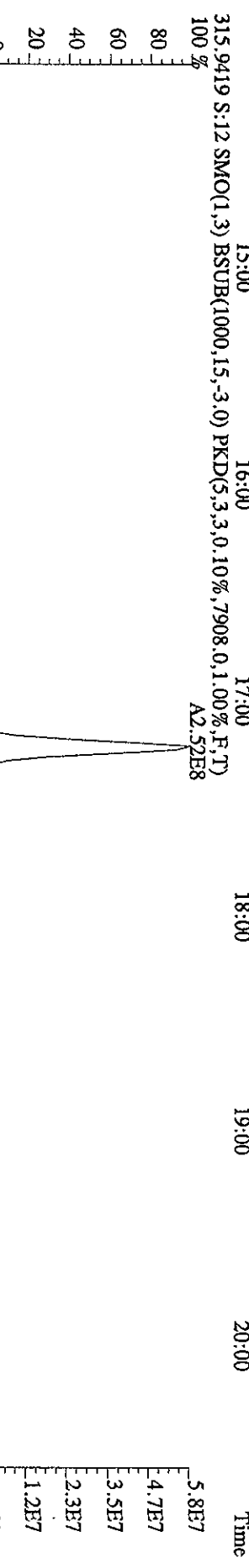
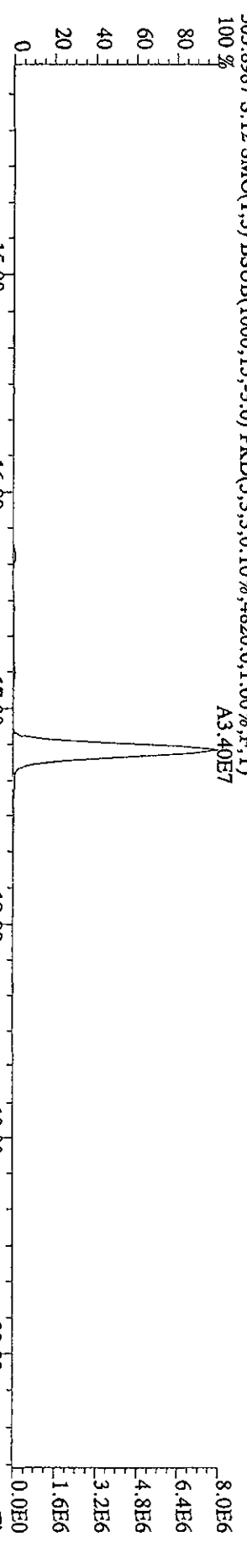
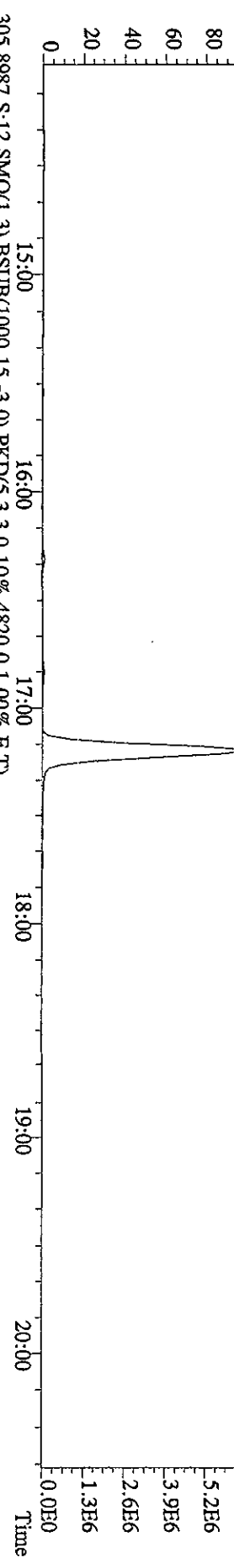
Run text: L7VVQ-1-AD Sample text: L7VVQ-1-AD :G0J010000-374L
 Run #10 Filename: 06OC101D5 S: 12 I: 1 Results: 06OC101D5TO9TO9
 Acquired: 6-OCT-10 17:43:14 Processed: 6-OCT-10 18:27:07
 Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 Sample

Handwritten:
 10/9/10
 [Signature]

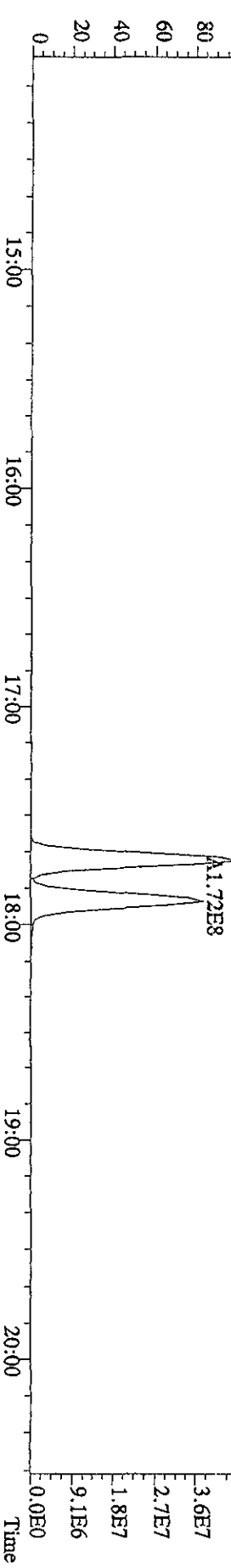
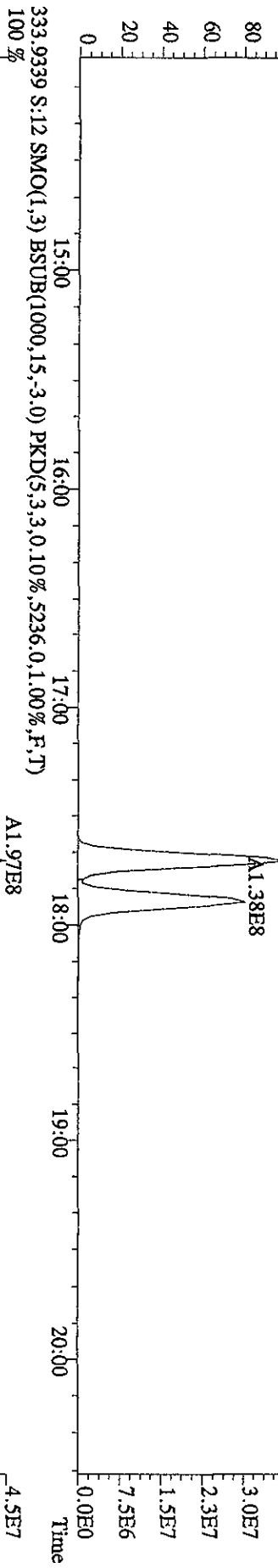
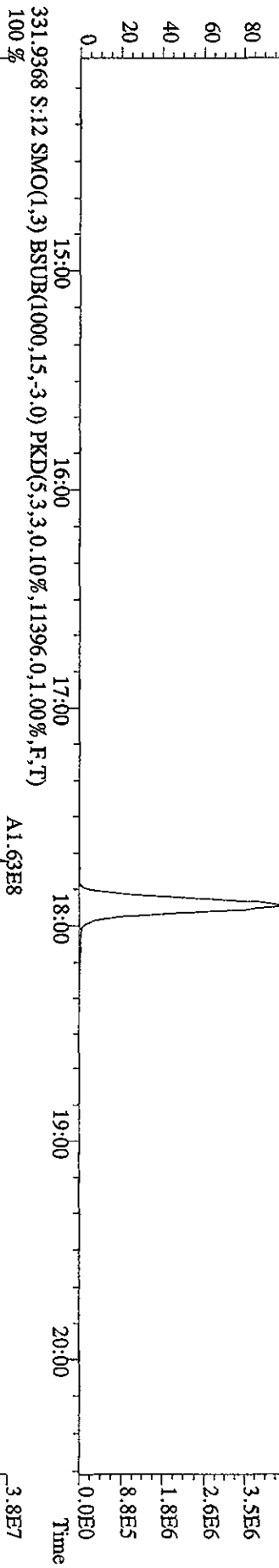
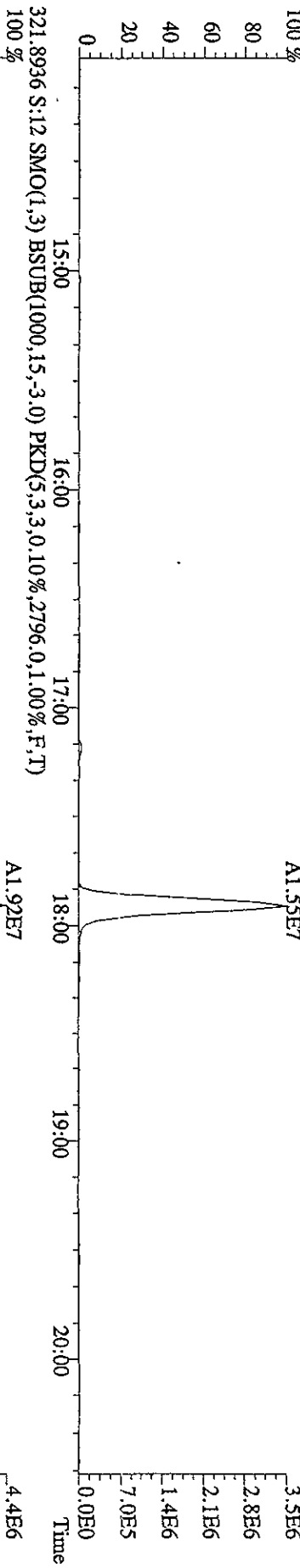
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	359411000	0.83 y	17:42	-	205.711	-	-	n
13C-2,3,7,8-TCDF	569311000	0.79 y	17:11	1.56	4053.593	1.545	101.3	n
2,3,7,8-TCDF	61619800	0.81 y	17:12	0.98	440.092	0.748	-	n
Total TCDF	62666659	0.75 y	16:19	0.98	447.569	0.748	-	n
13C-2,3,7,8-TCDD	309989000	0.80 y	17:54	0.92	3746.341	2.611	93.7	n
2,3,7,8-TCDD	34644500	0.81 y	17:55	1.03	433.327	1.137	-	n
Total TCDD	34937481	0.81 y	17:55	1.03	436.991	1.137	-	n
37Cl-2,3,7,8-TCDD	236050	1.00 y	17:56	1.23	2.484	1.668	0.2	n
13C-1,2,3,7,8-PeCDF	436617000	1.65 y	22:12	1.05	4616.613	2.064	115.4	n
1,2,3,7,8-PeCDF	273351000	1.61 y	22:14	1.09	2292.943	2.100	-	n
2,3,4,7,8-PeCDF	259563000	1.60 y	23:33	1.02	2336.672	2.254	-	n
Total F2 PeCDF	541679725	1.39 y	20:52	1.05	4705.741	2.174	-	n
Total F1 PeCDF	356398	1.06 n	14:17	1.05	3.095	0.608	-	n
13C-1,2,3,7,8-PeCDD	234902600	1.69 y	24:14	0.56	4661.194	0.914	116.5	n
1,2,3,7,8-PeCDD	138496800	1.65 y	24:15	1.07	2203.383	2.104	-	n
Total PeCDD	138631213	3.35 n	23:54	1.07	2205.522	2.104	-	n
13C-1,2,3,7,8,9-HxCDD	409650000	1.29 y	30:44	-	249.619	-	-	n
13C-1,2,3,4,7,8-HxCDF	402937000	0.53 y	29:25	0.99	3970.805	4.940	99.3	n
1,2,3,4,7,8-HxCDF	273635000	1.26 y	29:26	1.26	2154.254	4.890	-	n
1,2,3,6,7,8-HxCDF	303327000	1.26 y	29:34	1.53	1966.634	4.027	-	n
2,3,4,6,7,8-HxCDF	288221000	1.25 y	30:12	1.41	2033.074	4.382	-	n
1,2,3,7,8,9-HxCDF	281187000	1.26 y	30:55	1.40	1999.370	4.417	-	n
Total HxCDF	1147370083	1.09 y	28:04	1.40	8160.429	4.408	-	n
13C-1,2,3,6,7,8-HxCDD	296828000	1.26 y	30:26	0.74	3919.409	0.788	98.0	n
1,2,3,4,7,8-HxCDD	197952100	1.26 y	30:22	1.12	2382.182	2.140	-	n
1,2,3,6,7,8-HxCDD	188109100	1.28 y	30:27	1.14	2221.267	2.100	-	n
1,2,3,7,8,9-HxCDD	212531200	1.27 y	30:44	1.35	2115.513	1.770	-	n
Total HxCDD	598592400	1.26 y	30:22	1.20	6718.962	1.989	-	n
13C-1,2,3,4,6,7,8-HpCDF	345843000	0.45 y	32:20	0.96	3531.998	3.572	88.3	n
1,2,3,4,6,7,8-HpCDF	282356000	1.06 y	32:21	1.41	2319.145	3.239	-	n
1,2,3,4,7,8,9-HpCDF	218163000	1.07 y	33:32	1.24	2041.837	3.691	-	n
Total HpCDF	503804114	1.06 y	32:21	1.32	4389.724	3.450	-	n
13C-1,2,3,4,6,7,8-HpCDD	250487000	1.09 y	33:12	0.71	3434.242	3.237	85.9	n
1,2,3,4,6,7,8-HpCDD	156812800	1.08 y	33:13	1.13	2207.554	2.688	-	n
Total HpCDD	157916915	0.89 y	32:37	1.13	2223.097	2.688	-	n
13C-OCDD	255802000	0.89 y	35:46	0.35	7082.135	2.834	88.5	n

OCDF	254960000	0.92	y	35:53	2.12	3765.581	1.609	-	n
OCDD	178780800	0.91	y	35:46	1.37	4077.887	3.240	-	n

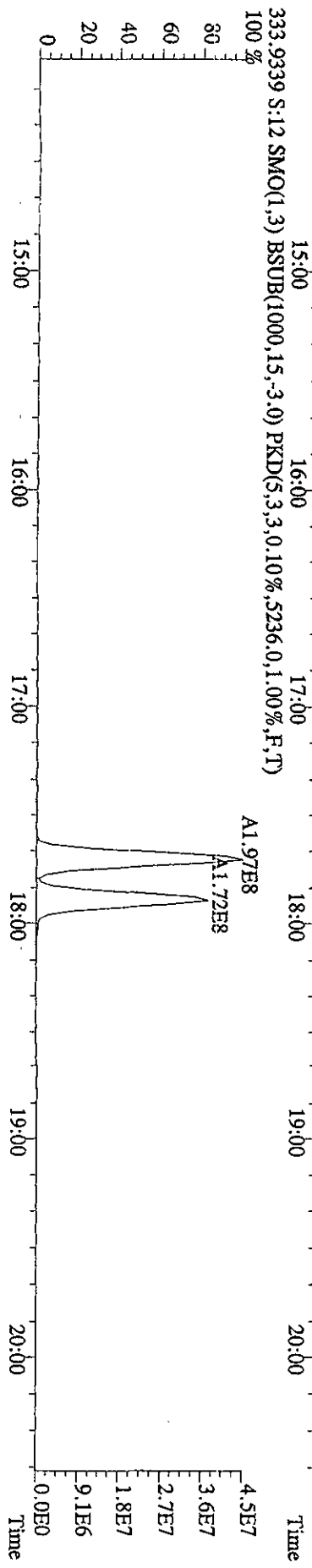
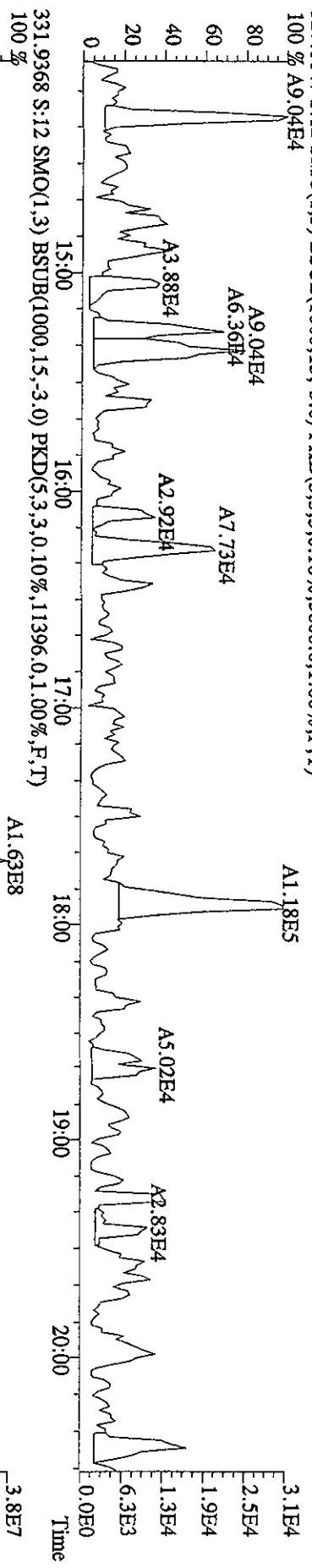
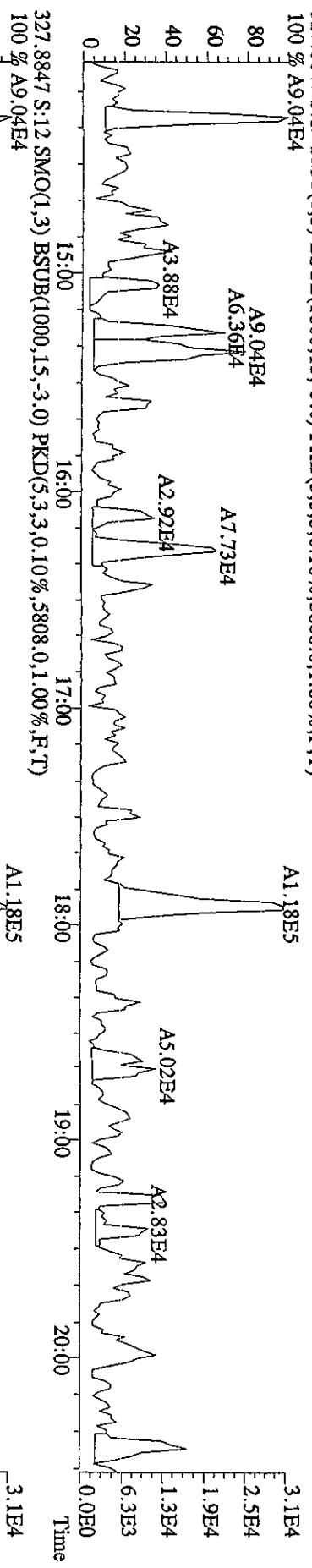
File:06OC101D5 #1-382 Acq: 6-OCT-2010 17:43:14 GC EI + Voltage SIR 70SE
 Sample#12 Tex:L7VVQ-L-AD :G01010000-374L Exp:DIOXINRES
 303.9016 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3284,0,1.00%,F,T) A2.76E7
 100%



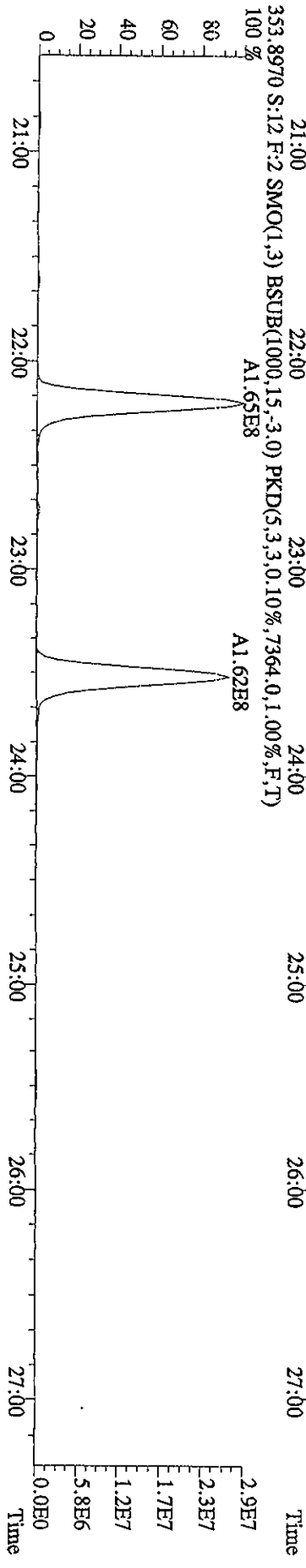
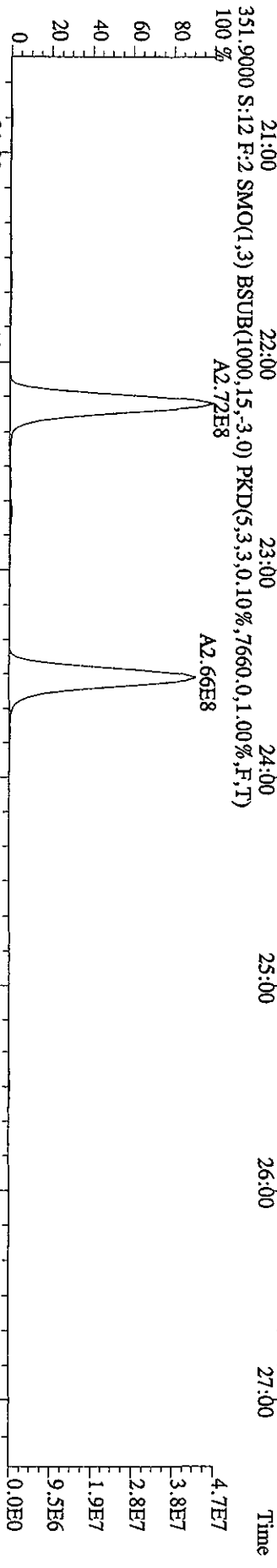
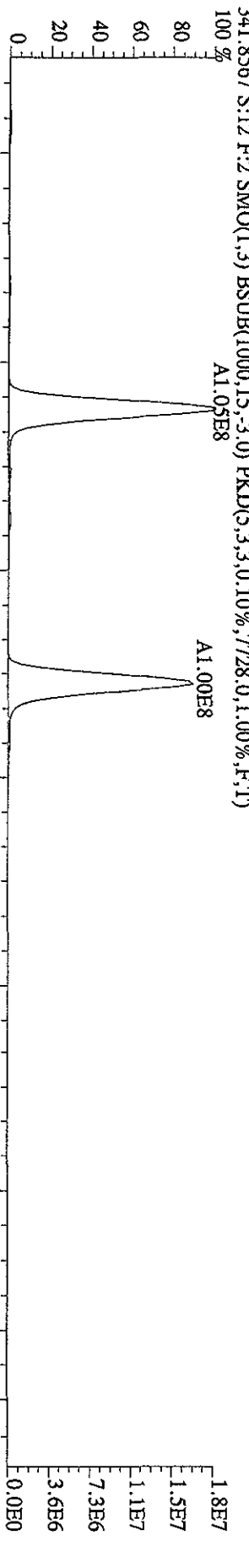
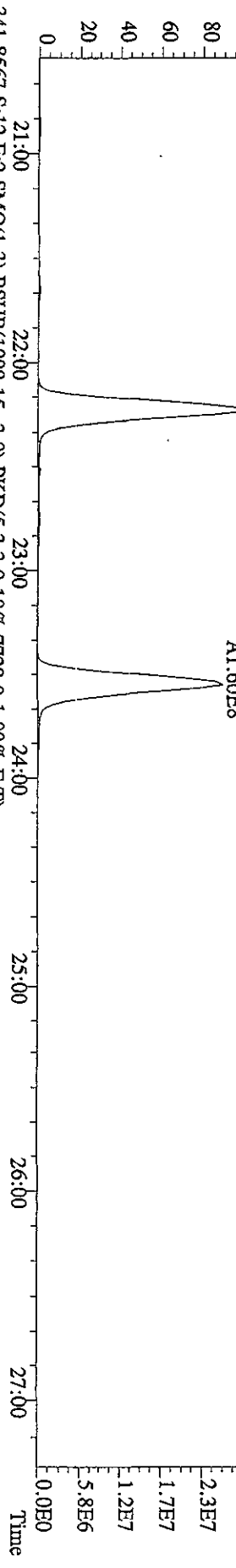
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Sample#12 Text:L7VVQ-1-AD :G01010000-374L Exp:DIOXINRES
319.8965 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3864,0,1,00%,F,T)



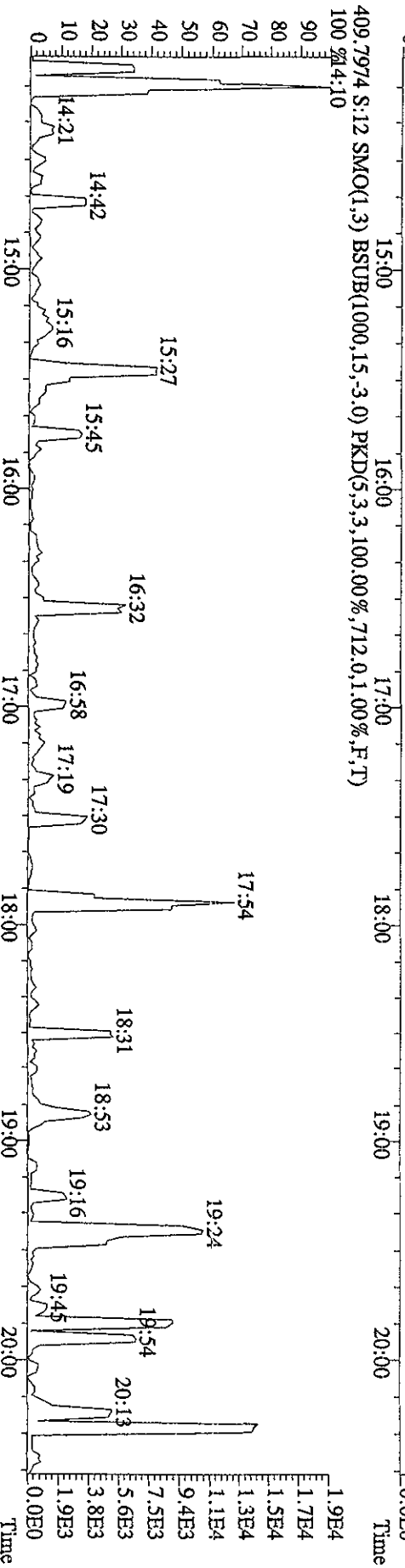
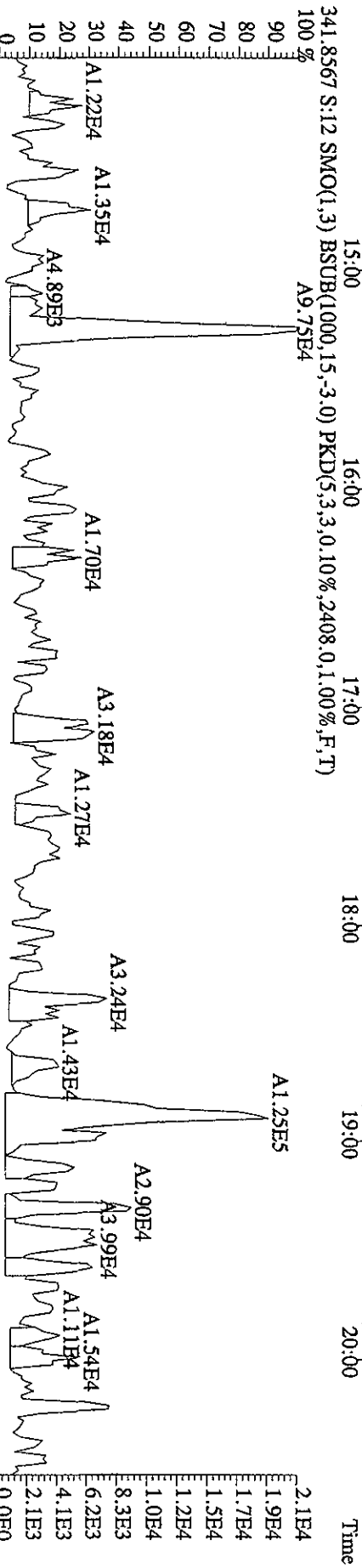
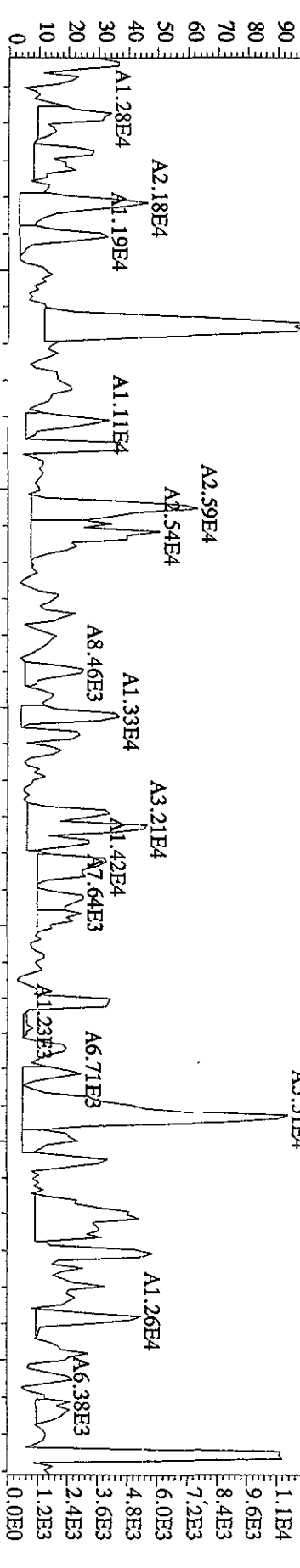
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 Sample#12 Text:L7VVQ-1-AD :G01010000-374L Exp:DIOXINRES
 327.8847 S:12 SMO(1,3) BSTUB(1000,15,-3.0) PKD(5,3,3,0.10%,.5808,0.1,0.0%,F,T)
 100 % A9.04E4



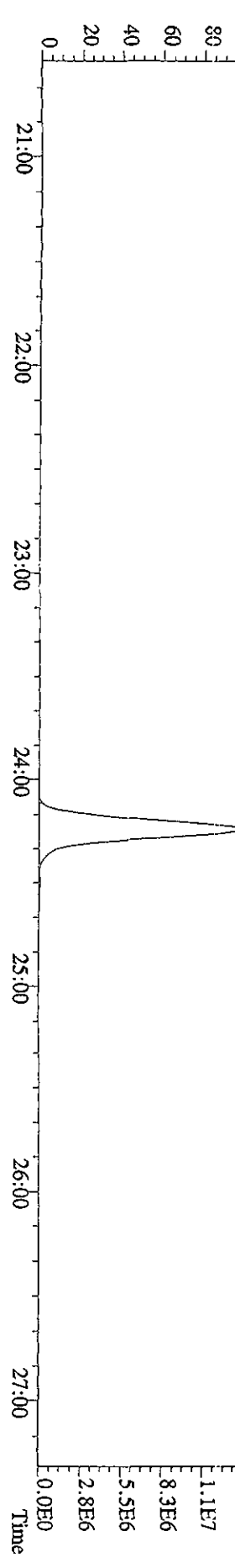
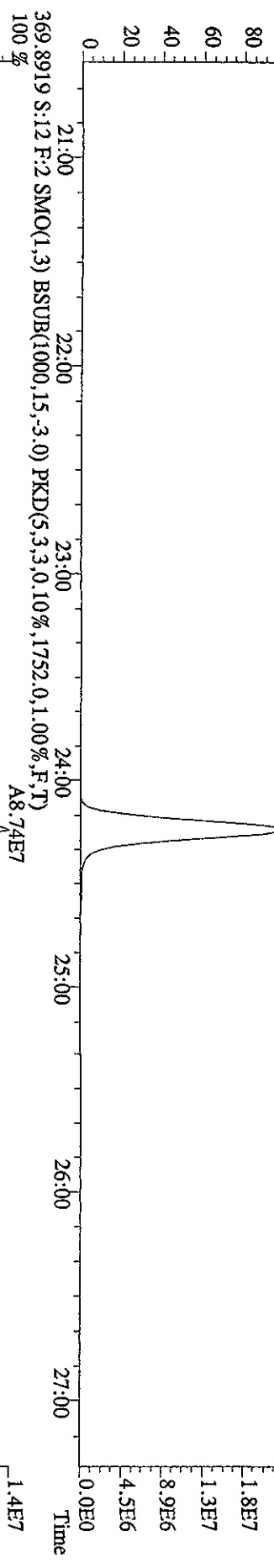
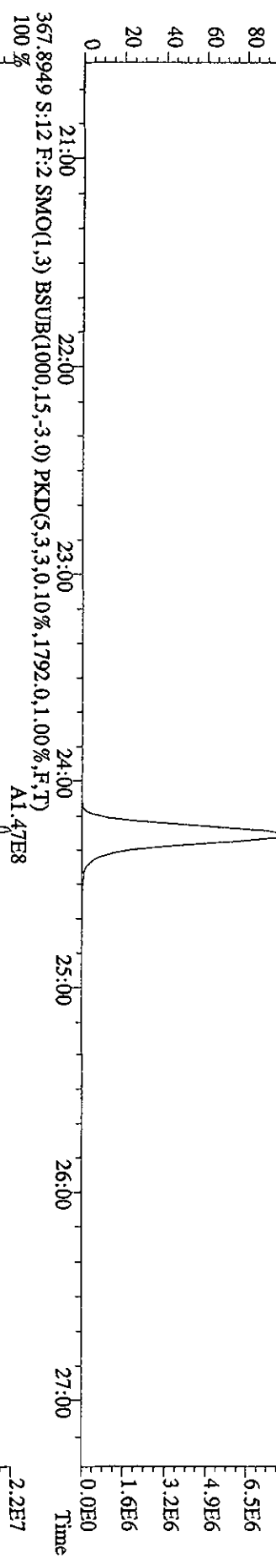
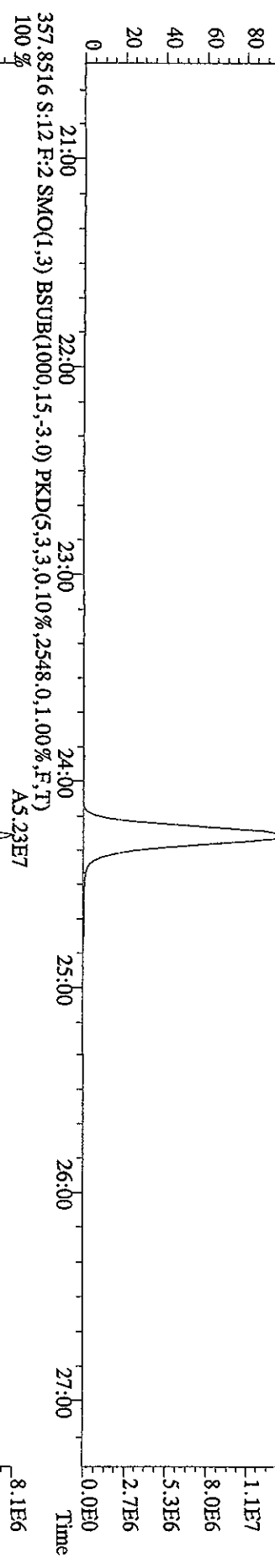
File:06OC101D5 #1-422 Acq: 6-OCT-2010 17:43:14 GC EI+ Voltage SIR 70SE
 Sample#12 Text:LTVVQ-1-AD :G01010000-374L Exp:DIOXINRES
 339.8597 S:12 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6880.0,1.00%,F,T)
 100%



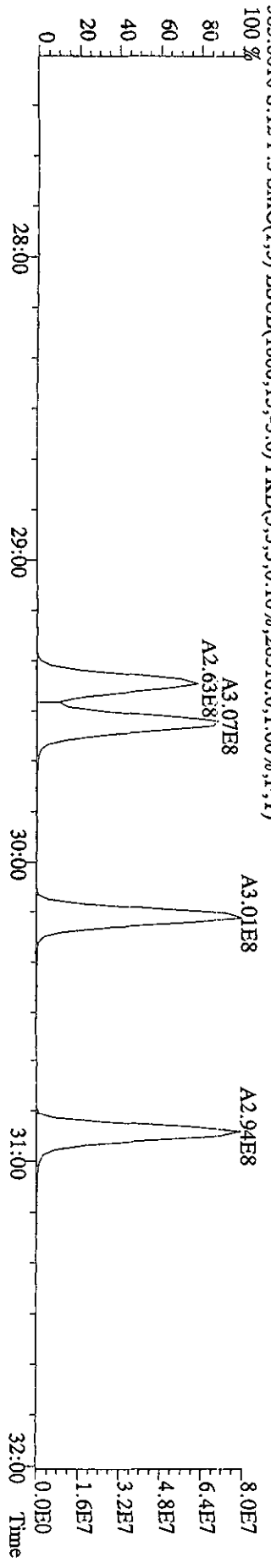
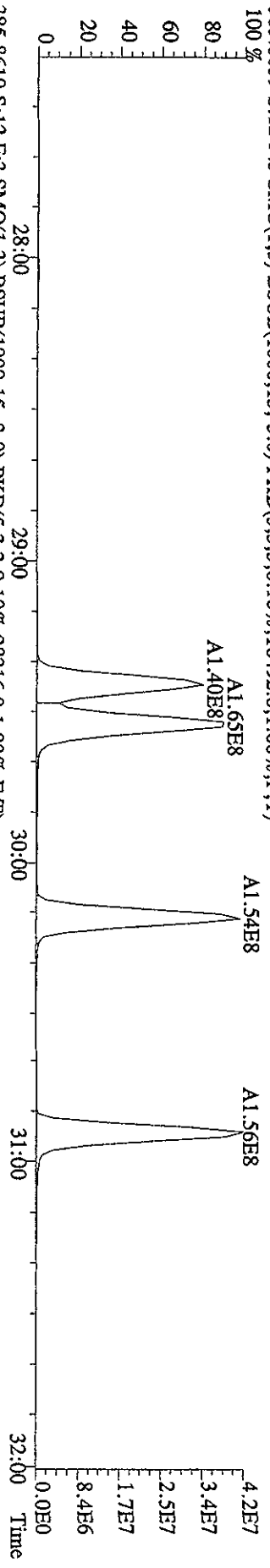
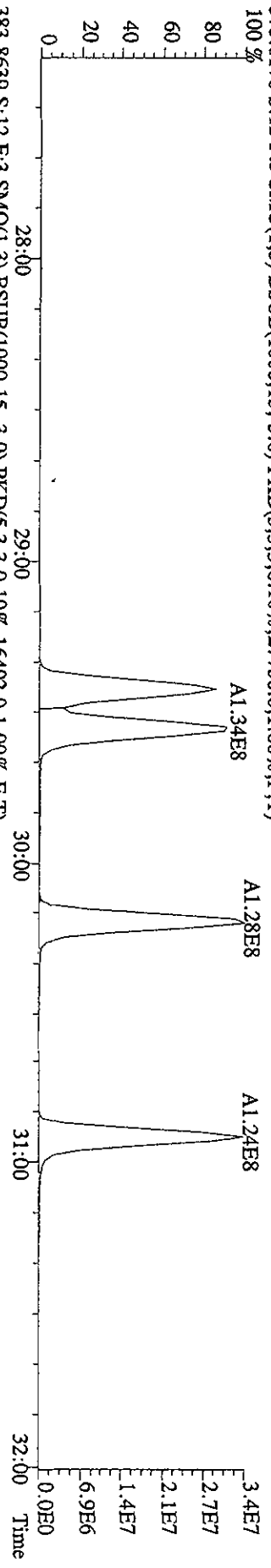
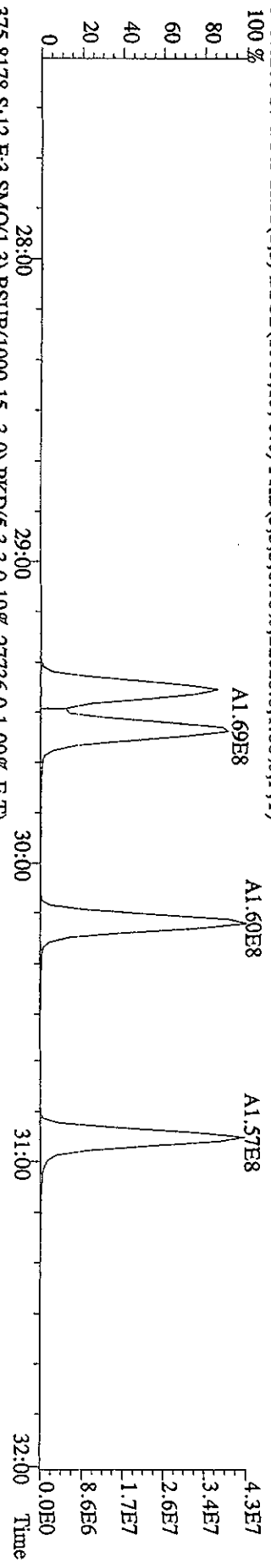
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 Sample#12 Text:LTVVQ-1-AD :G01010000-374L Exp:DIOXINRES
 339,8597 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1680,0,1,100%,F,T)



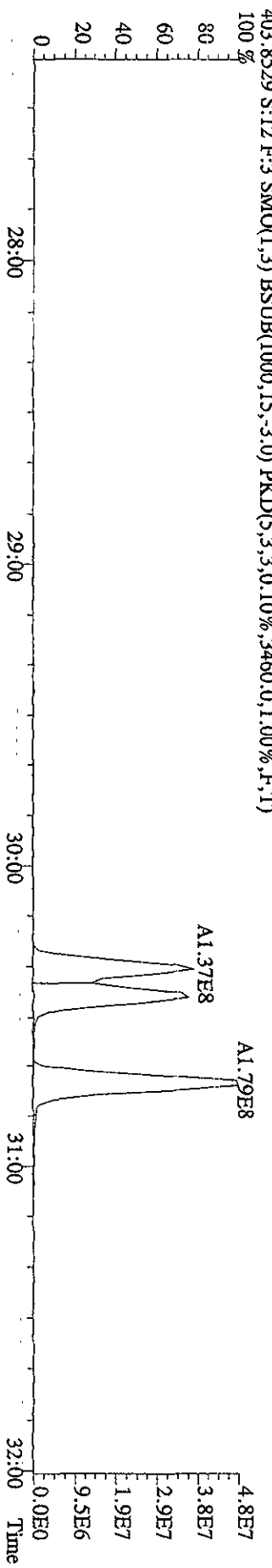
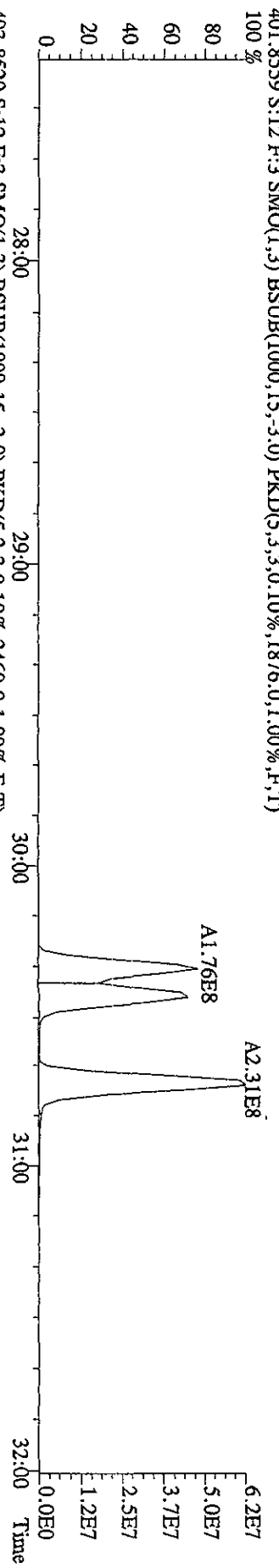
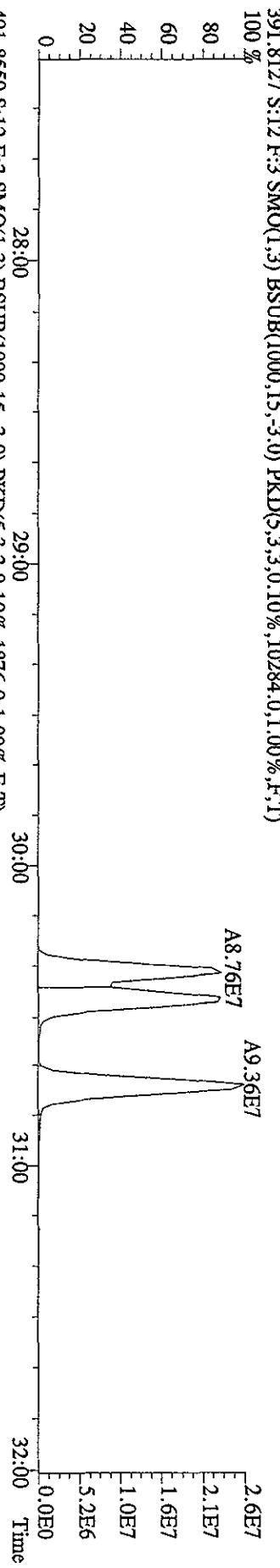
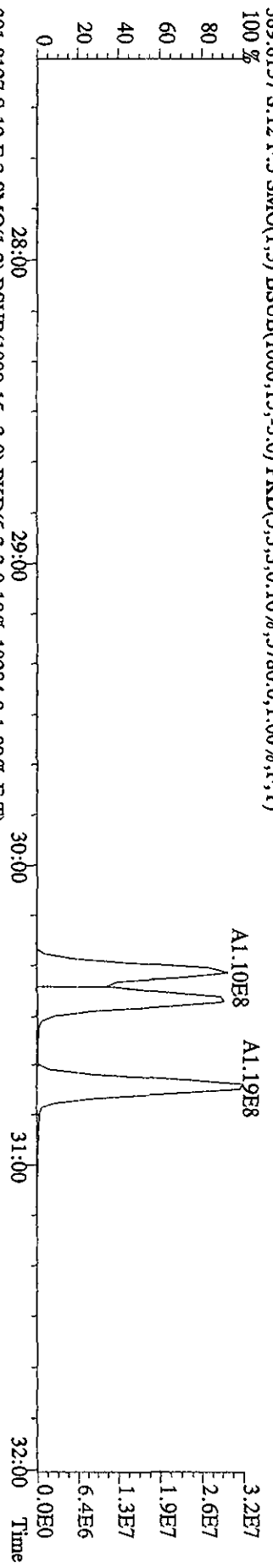
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 Sample#12 Text:L7VVQ-1-AD :G01010000-374L Exp:DIOXINRES
 355.8516 S:12 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4288,0,1,00%,F,T)
 100 %



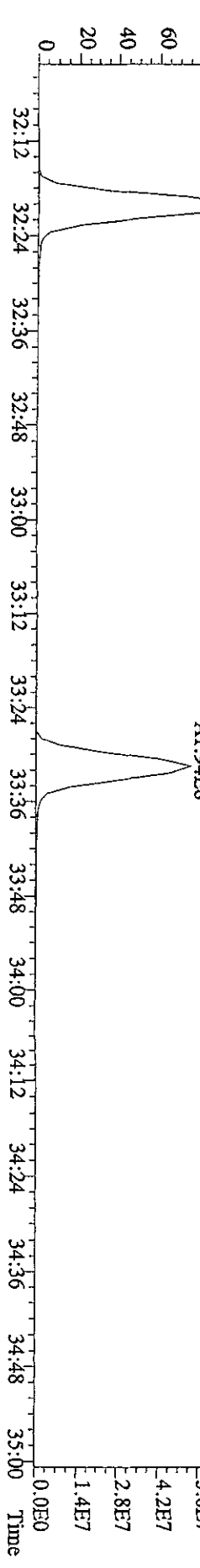
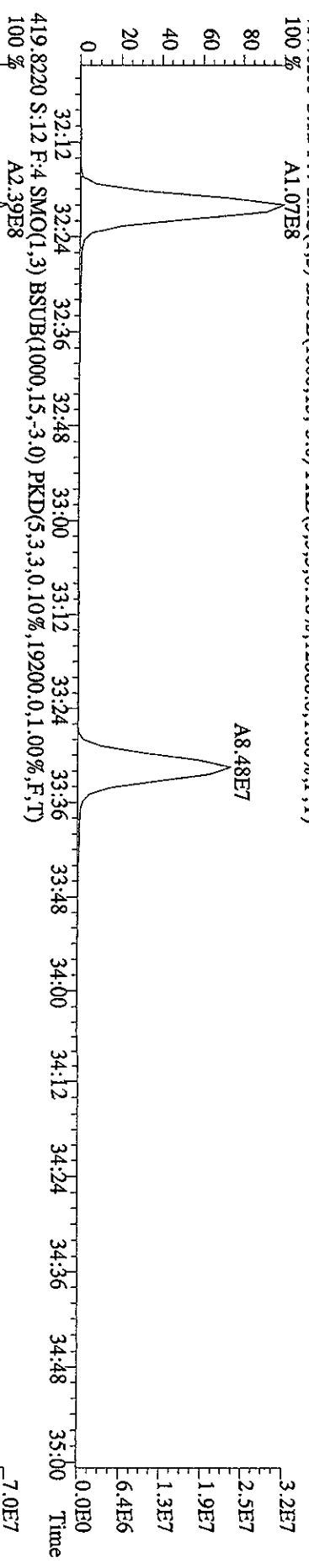
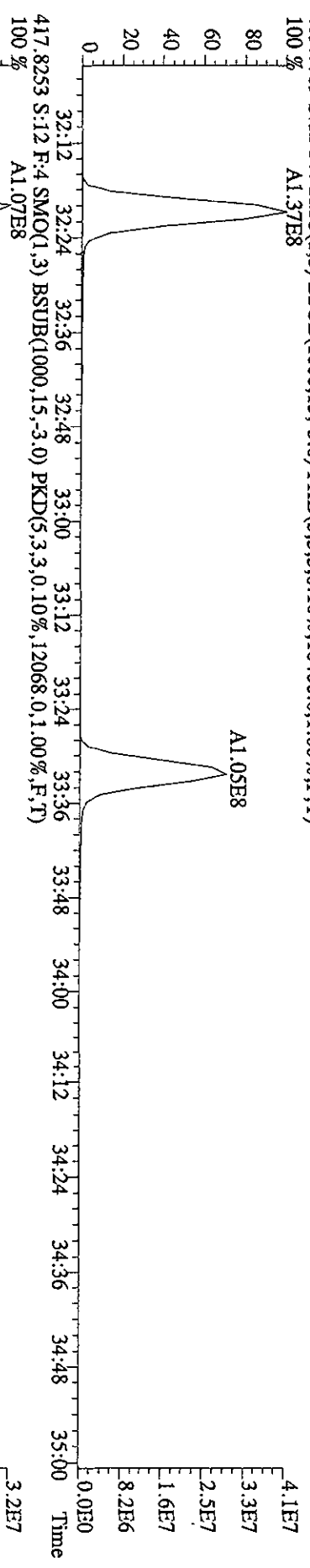
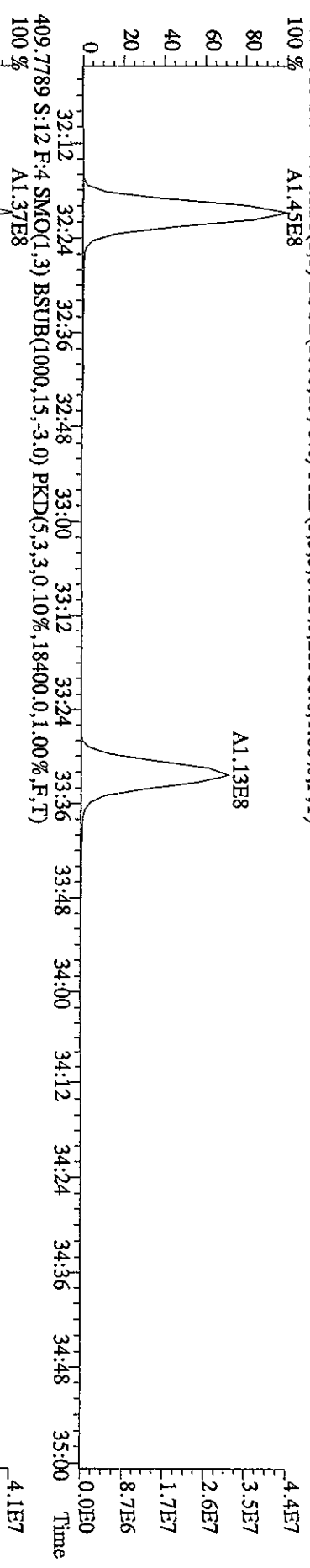
File:060C101D5 #1-301 Acq: 6-OCT-2010 17:43:14 GC EI+ Voltage SIR 70SE
 Sample#12 Text:LTVVQ-1-AD :G01010000-374L Exp:DIOXINRES
 373.8208 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22020,0.1,0.0%,F,T)



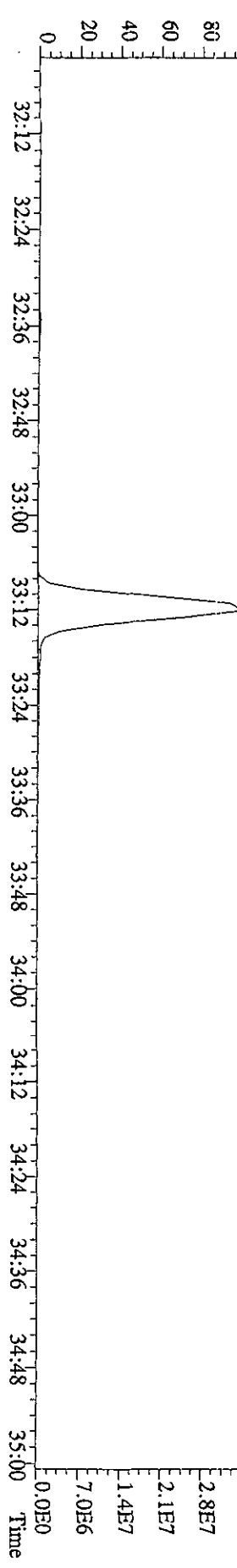
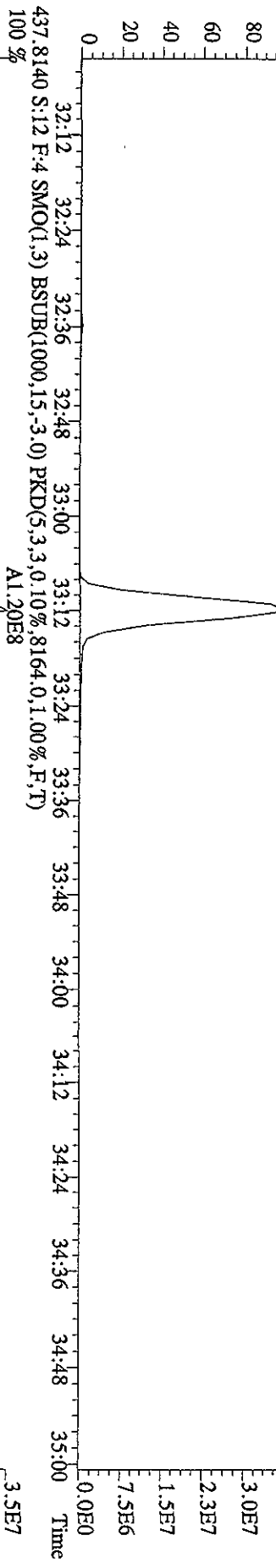
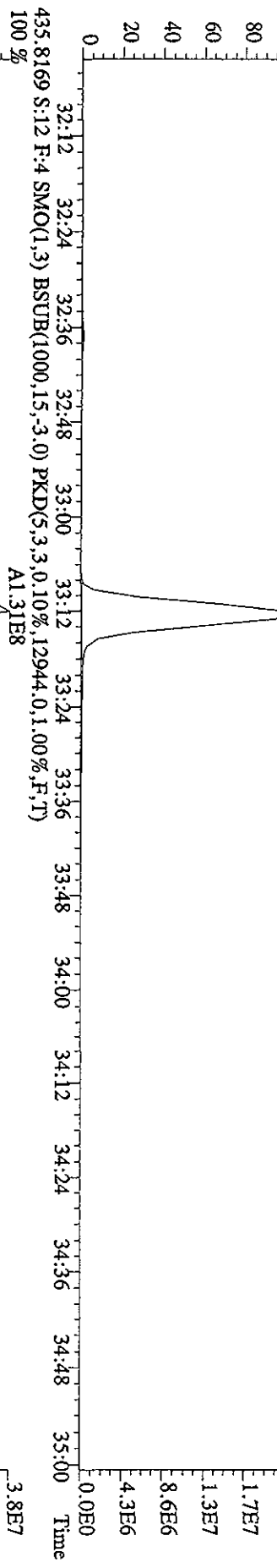
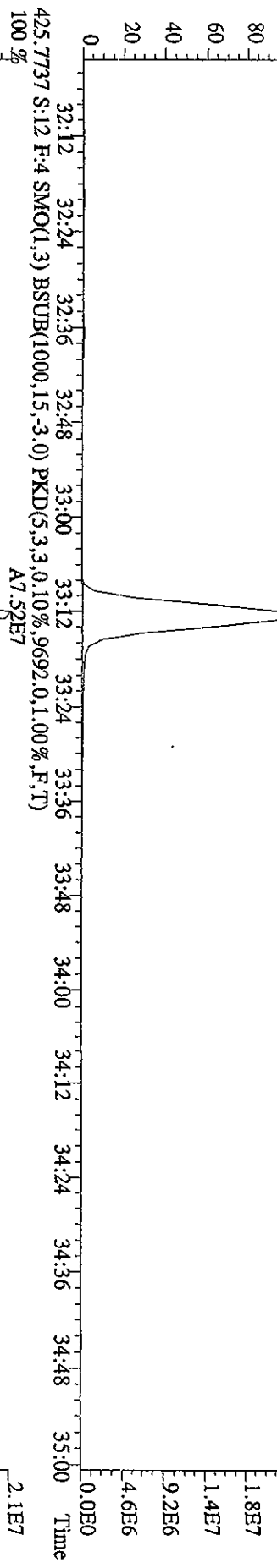
File:060C101D5 #1-301 Acq: 6-OCT-2010 17:43:14 GC EI+ Voltage SIR 70SE
 Sample#12 Text:L7VVQ-1-AD :G01010000-374L Exp:DIOXINRES
 389.8157 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5780,0,1.00%,F,T)



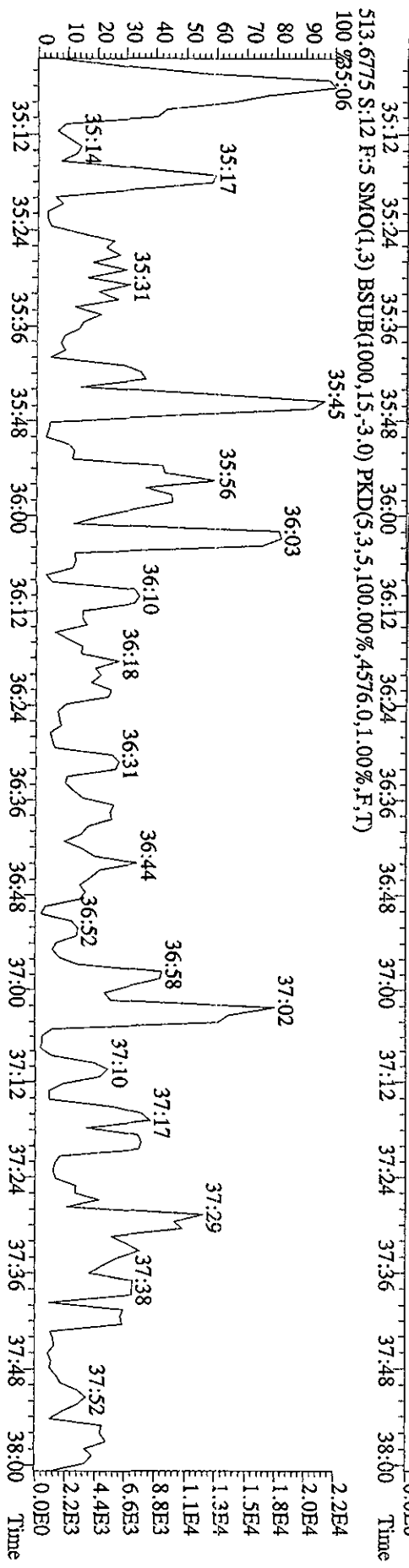
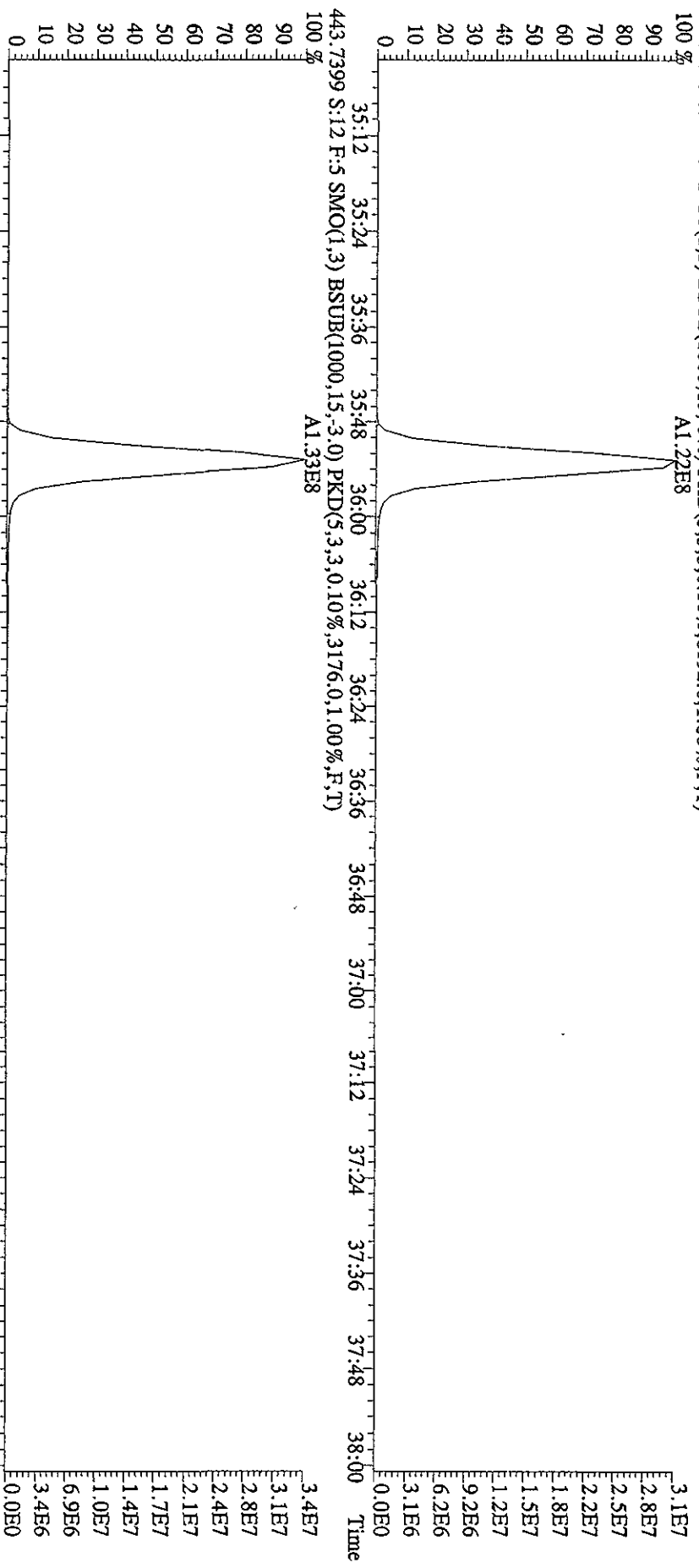
File:060C101D5 #1-203 Acq: 6-OCT-2010 17:43:14 GC EI+ Voltage SIR 70SE
 Sample#12 Text:L7VVQ-1-AD :G01010000-374L Exp:DIOXINRES
 407.7818 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20500.0,1.00%,F,T)
 100% A1.45E8



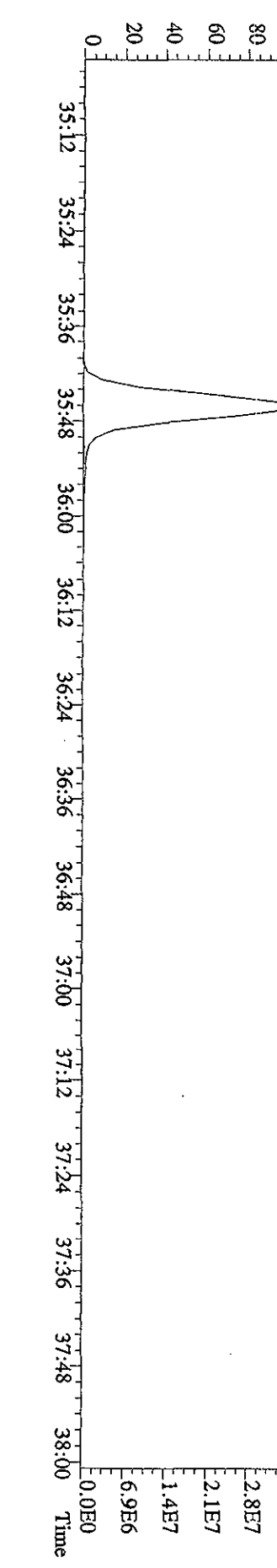
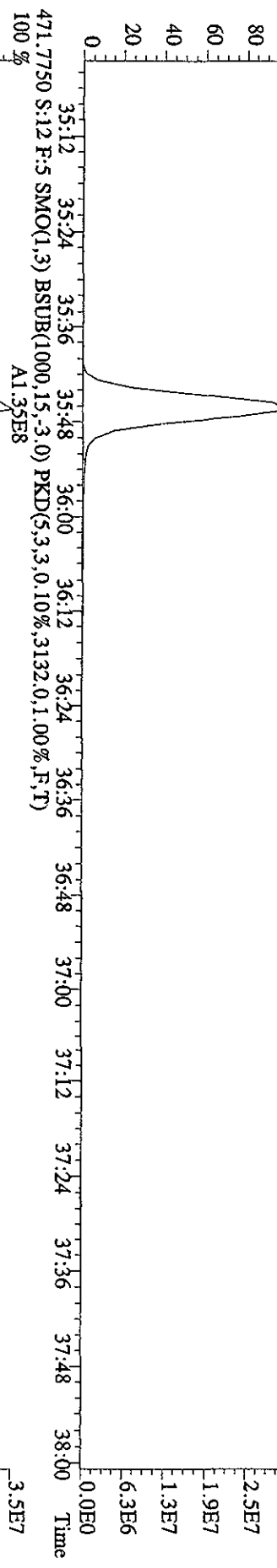
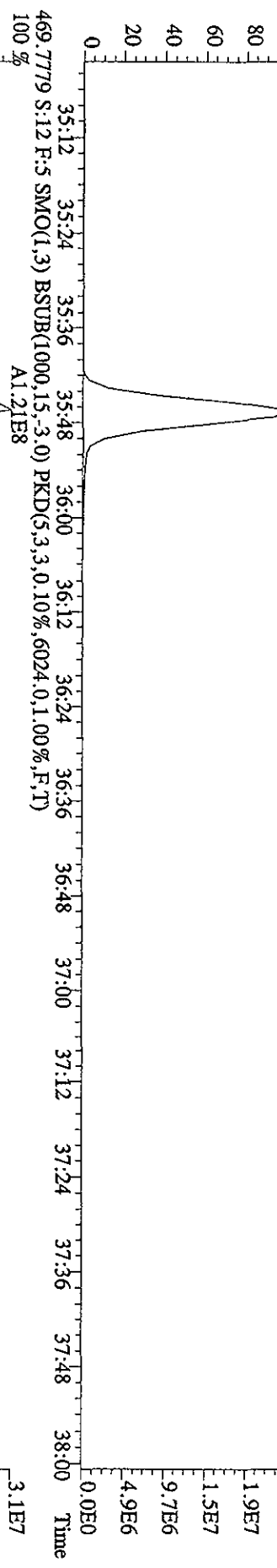
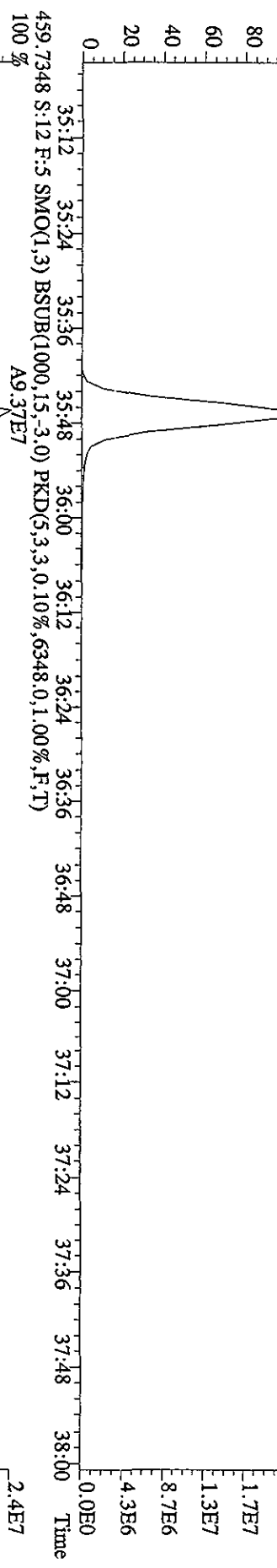
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 Sample#12 Text:L7VVQ-1-AD :G01010000-374L Exp:DIOXINRES
 423.7766 S:12 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8736,0,1.00%,F,T)
 100% A8.16E7



File:06OCl01D5 #1-196 Acq: 6-OCT-2010 17:43:14 GC EI+ Voltage SIR 70SE
 Sample#12 Text:L7VVQ-1-AD :G0I010000-374L Exp:DIOXINRES
 441.7428 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6192.0,1.00%,F,T)
 100% A1.22E8



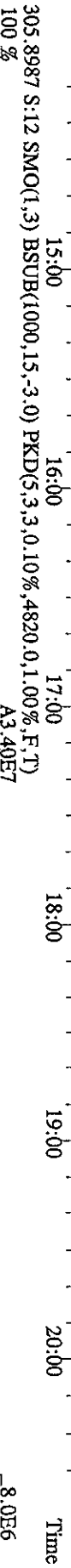
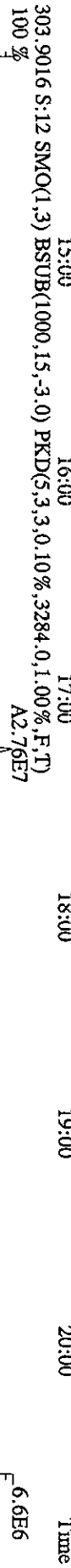
File:06OC101D5 #1-196 Acq: 6-OCT-2010 17:43:14 GC EI+ Voltage SIR 70SE
 Sample#12 Text:LVVVO-1-AD :G0I010000-374L Exp:DIOXINRES
 457.7377 S:12 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5864.0,1.00%,F,T)
 100 % A8.50E7



File:060C101D5 #1-382 Acq: 6-OCT-2010 17:43:14 GC EI+ Voltage SIR 70SE

Sample#12 Text:L7VVQ-1-AD :G01010000-374L Exp:DIOXINRES

292.9825 S:12 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

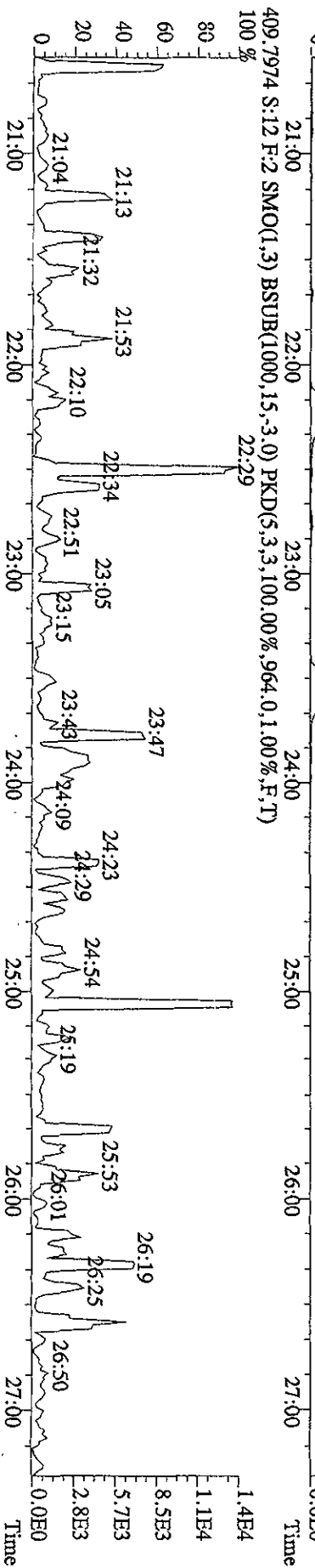
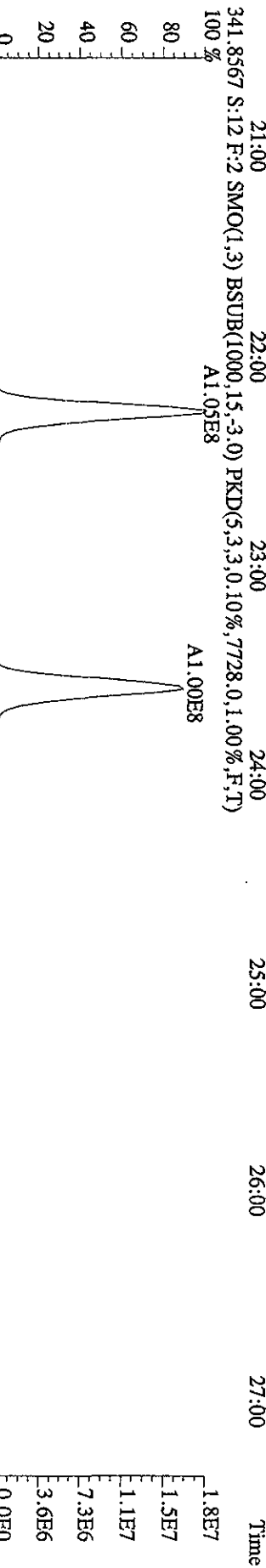
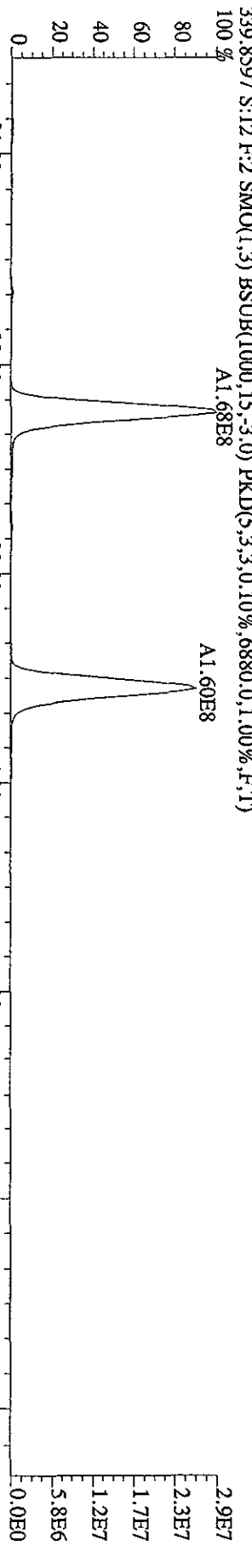
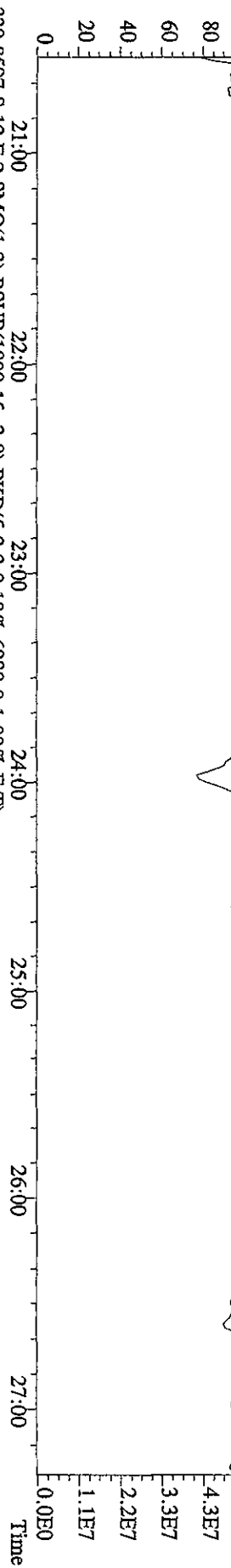


File:06OC101D5 #1-422 Acq: 6-OCT-2010 17:43:14 GC EI+ Voltage SIR 70SE

Sample#12 Text:L7VVO-1-AD :G0J010000-374L Exp:DIOXINRES

342.9792 S:12 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

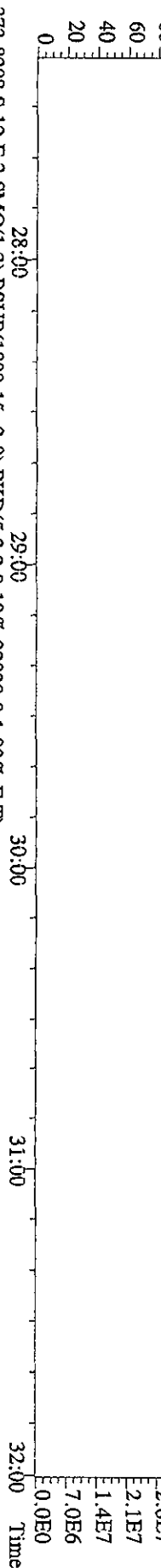
100 % 20:52 21:25 21:57 22:31 22:59 23:45 24:13 24:48 25:19 26:19 26:45



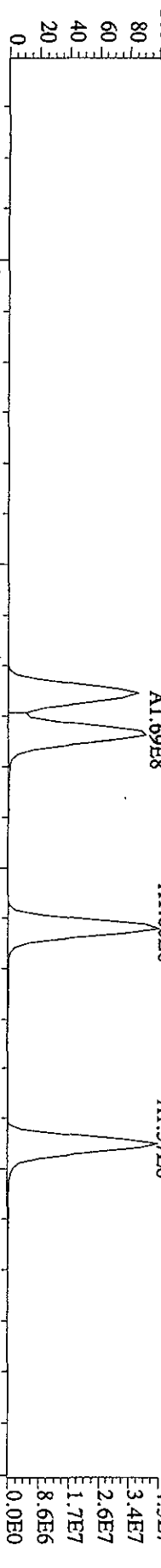
File:06OC101D5 #1-301 Acq: 6-OCT-2010 17:43:14 GC EI+ Voltage SIR 70SE

Sample#12 Text:L7VVQ-1-AD :G0J010000-374L Exp:DIOXINRES

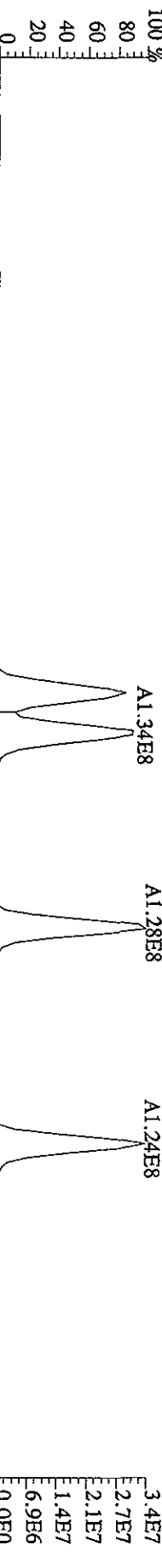
392.9760 S:12 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



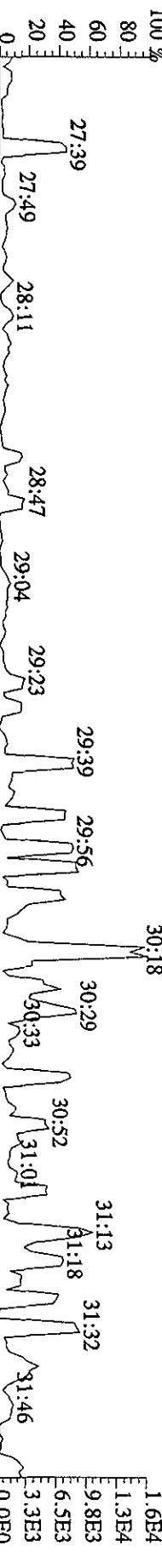
373.8208 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22020,0,1.00%,F,T)



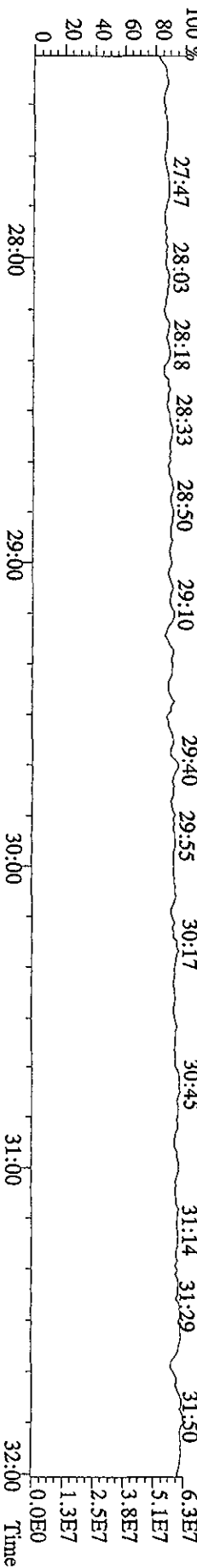
375.8178 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27736,0,1.00%,F,T)

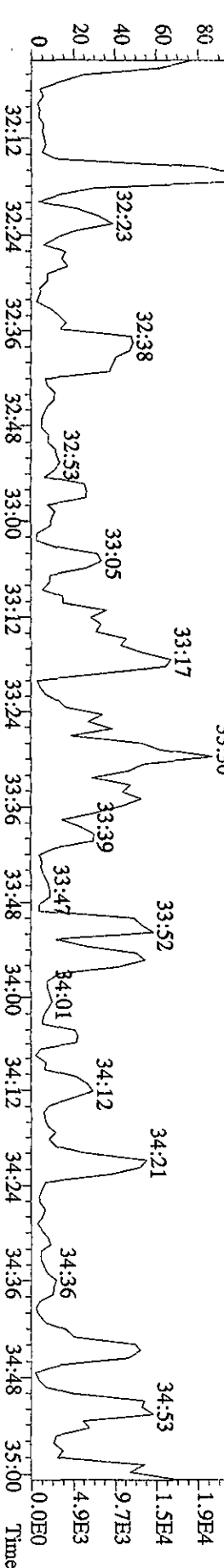
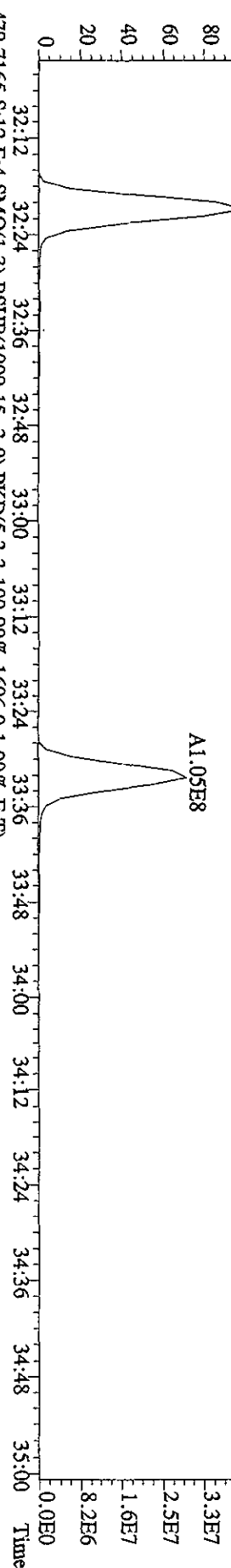
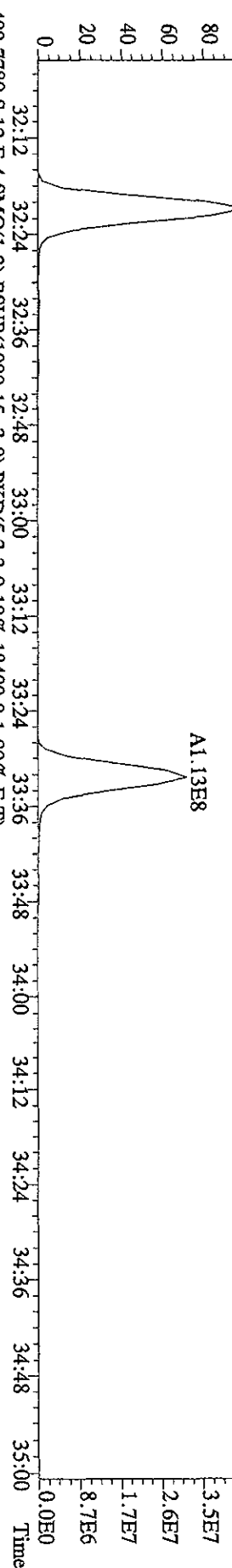
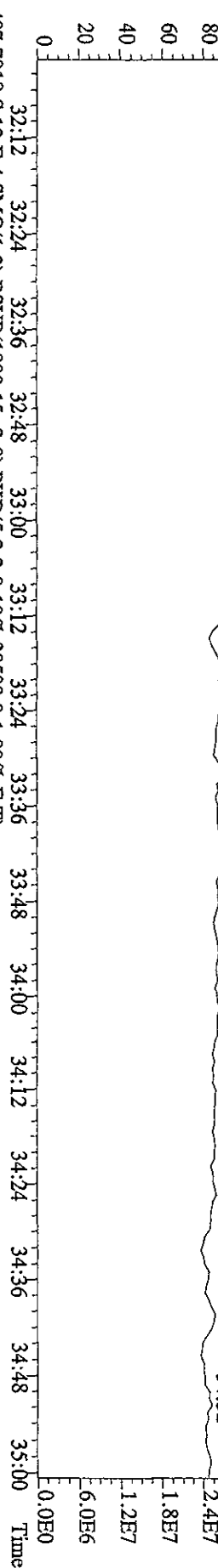


445.7555 S:12 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1420,0,1.00%,F,T)

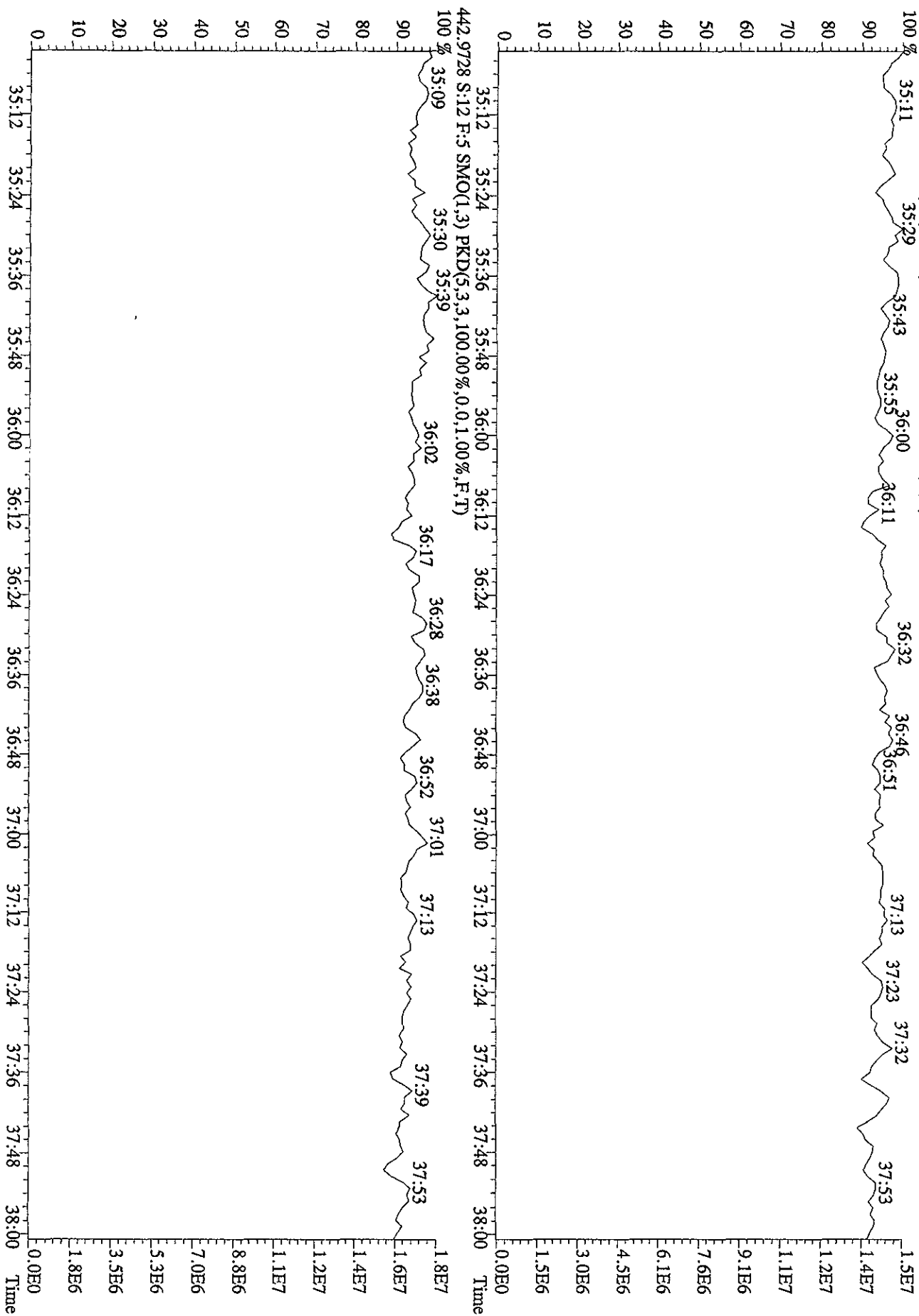


380.9760 S:12 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)





File:06OC101D5 #1-196 Acq: 6-OCT-2010 17:43:14 GC EI+ Voltage SIR 70SE
 Sample#12 Text:L7VVQ-1-AD :G01010000-374L Exp:DIOXINRES
 454.9728 S:12 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L7VDA-1-AA Sample text: L7VDA-1-AA :G0J010524-1
 Run #7 Filename: 07OC101D5 S: 25 I: 1 Results: 07OC101D5TO9
 Acquired: 8-OCT-10 05:08:01 Processed: 8-OCT-10 16:21:00
 Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 samp

Jan 15/12/10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	279275000	0.81 y	17:49	-	159.844	-	-	n
13C-2,3,7,8-TCDF	362086000	0.78 y	17:17	1.56	3317.887	4.711	82.9	n
2,3,7,8-TCDF	238044	0.55 n	17:18	0.98	2.673	3.481	-	n
Total TCDF	360138	1.90 n	15:37	0.98	4.044	3.481	-	n
13C-2,3,7,8-TCDD	239728000	0.79 y	18:00	0.92	3728.543	6.676	93.2	n
2,3,7,8-TCDD	*	* n	NotFnd	1.03	*	4.364	-	n
Total TCDD	*	* n	NotFnd	1.03	*	4.364	-	n
37Cl-2,3,7,8-TCDD	129208400	1.00 y	18:01	1.23	1758.107	4.772	109.9	n
13C-1,2,3,7,8-PeCDF	299836000	1.60 y	22:22	1.05	4080.054	5.411	102.0	n
1,2,3,7,8-PeCDF	129019	2.21 n	22:25	1.09	1.576	4.056	-	n
2,3,4,7,8-PeCDF	*	* n	NotFnd	1.02	*	4.353	-	n
Total F2 PeCDF	129019	2.21 n	22:25	1.05	1.576	4.200	-	n
Total F1 PeCDF	248312	1.06 n	15:21	1.05	3.140	3.604 4.353	-	n
13C-1,2,3,7,8-PeCDD	180824500	1.69 y	24:24	0.56	4617.702	6.450	115.4	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.07	*	5.545	-	n
Total PeCDD	89306	2.41 n	24:01	1.07	1.846	5.545	-	n
13C-1,2,3,7,8,9-HxCDD	236615000	1.30 y	30:48	-	144.181	-	-	n
13C-1,2,3,4,7,8-HxCDF	223780600	0.55 y	29:30	0.99	3817.988	25.096	95.4	n
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.26	*	10.474	-	n
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.53	*	8.626	-	n
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.41	*	9.385	-	n
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.40	*	9.460	-	n
Total HxCDF	*	* n	NotFnd	1.40	*	2.441 10.474	-	n
13C-1,2,3,6,7,8-HxCDD	180676500	1.27 y	30:31	0.74	4130.361	21.493	103.3	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.12	*	11.401	-	n
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.14	*	11.187	-	n
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.35	*	9.430	-	n
Total HxCDD	*	* n	NotFnd	1.20	*	10.595 11.401	-	n
13C-1,2,3,4,6,7,8-HpCDF	198400700	0.42 y	32:26	0.96	3507.965	13.613	87.7	n
1,2,3,4,6,7,8-HpCDF	905827	1.28 n	32:26	1.41	12.969	7.596	-	n
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.24	*	8.656	-	n
Total HpCDF	905827	1.28 n	32:26	1.32	12.969	8.091	-	n
13C-1,2,3,4,6,7,8-HpCDD	175119300	1.06 y	33:17	0.71	4156.717	15.161	103.9	n
1,2,3,4,6,7,8-HpCDD	464109	0.89 y	33:19	1.13	9.345	6.833	-	n
Total HpCDD	949669	1.78 n	32:41	1.13	19.123 9.345	6.833	-	n
13C-OCDD	189236200	0.95 y	35:52	0.35	9070.583	16.711	113.4	n

OCDF	1113679	0.70	n	36:00	2.12	22.234	<i>JR</i>	7.321	-	n
OCDD	689294	0.69	n	35:53	1.37	21.253	<i>↓</i>	7.681	-	n

Run Text: L7VDA-1-AA Sample text: L7VDA-1-AA :G0J010524-1

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:2
 Run: 7 File: 07OC101D5 S:25 Acq:8-OCT-10 05:08:01
 Tables: Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 07OC101D7

Amount: 2.022 of which 1.337 named and 0.686 unnamed
 Conc: 4.044 of which 2.673 named and 1.371 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	15:37	1.896 n	1.371	130812 68980	2.252 1.435	n	n
2,3,7,8-TCDF	2	17:18	0.552 n	2.673	103556 187649	1.333 3.002	n	y n

Run Text: L7VDA-1-AA Sample text: L7VDA-1-AA :G0J010524-1

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:0
 Run: 7 File: 07OC101D5 S:25 Acq:8-OCT-10 05:08:01
 Tables: Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 07OC101D7

Amount: * of which * named and * unnamed
 Conc: * of which * named and * unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	NotF7	* n	*	*	*	n	n
					*	*	n	n

Run Text: L7VDA-1-AA Sample text: L7VDA-1-AA :G0J010524-1

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:1
 Run: 7 File: 07OC101D5 S:25 Acq:8-OCT-10 05:08:01
 Tables: Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 07OC101D7

Amount: 0.788 of which 0.788 named and * unnamed
 Conc: 1.576 of which 1.576 named and * unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,7,8-PeCDF	1	22:25	2.214 n	1.576	112026 50596	2.159 1.399	n	n

Run Text: L7VDA-1-AA

Sample text: L7VDA-1-AA :G0J010524-1

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:2
Run: 7 File: 07OC101D5 S:25 Acq:8-OCT-10 05:08:01
Tables: Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 07OC101D7

Amount: 1.570 of which * named and 1.570 unnamed
Conc: 3.140 of which * named and 3.140 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	15:21	1.064 n	1.854	89108 83747	3.198 2.878	y	n
	2	18:58	0.688 n	1.286	61827 89802	1.187 1.885	n	n

Totals Results TestAmerica West Sacramento Page 5 of 9

Run Text: L7VDA-1-AA

Sample text: L7VDA-1-AA :G0J010524-1

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:1
Run: 7 File: 07OC101D5 S:25 Acq:8-OCT-10 05:08:01
Tables: Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 07OC101D7

Amount: 0.923 of which * named and 0.923 unnamed
Conc: 1.846 of which * named and 1.846 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	24:01	2.414 n	1.846	84531 35022	2.354 1.176	n	n

Totals Results TestAmerica West Sacramento Page 6 of 9

Run Text: L7VDA-1-AA

Sample text: L7VDA-1-AA :G0J010524-1

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:0
Run: 7 File: 07OC101D5 S:25 Acq:8-OCT-10 05:08:01
Tables: Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 07OC101D7

Amount: * of which * named and * unnamed
Conc: * of which * named and * unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	Not F7	* n	*	*	*	n	n
					*	*	n	n

Run Text: L7VDA-1-AA

Sample text: L7VDA-1-AA :G0J010524-1

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:0
 Run: 7 File: 07OC101D5 S:25 Acq:8-OCT-10 05:08:01
 Tables: Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 07OC101D7

Amount: * of which * named and * unnamed
 Conc: * of which * named and * unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	NotF7	*	n	*	*	n	n
					*	*	n	n

Run Text: L7VDA-1-AA

Sample text: L7VDA-1-AA :G0J010524-1

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:1
 Run: 7 File: 07OC101D5 S:25 Acq:8-OCT-10 05:08:01
 Tables: Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 07OC101D7

Amount: 6.485 of which 6.485 named and * unnamed
 Conc: 12.969 of which 12.969 named and * unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
1,2,3,4,6,7,8-HpCDF	1	32:26	1.276 n	12.969	566743	5.346	y	n
					444033	4.703	y	n

Run Text: L7VDA-1-AA

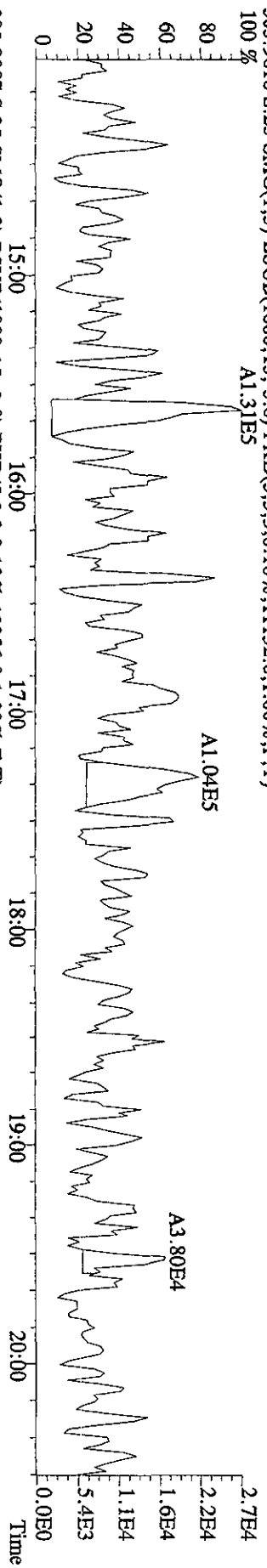
Sample text: L7VDA-1-AA :G0J010524-1

Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:3
 Run: 7 File: 07OC101D5 S:25 Acq:8-OCT-10 05:08:01
 Tables: Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 07OC101D7

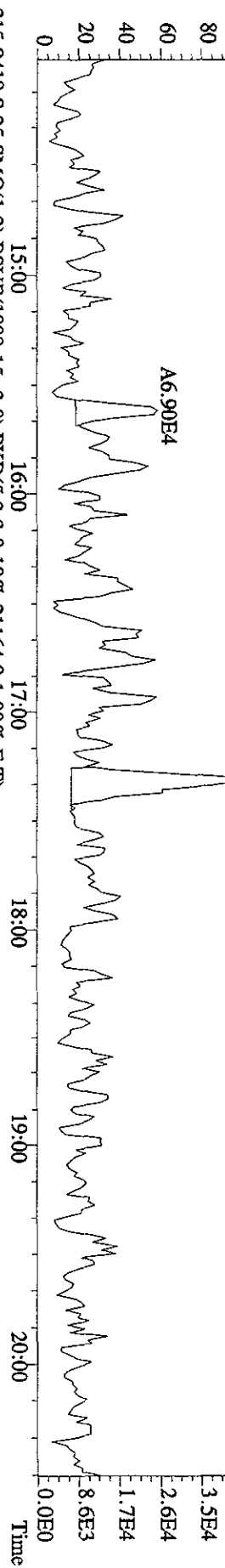
Amount: 9.561 of which 4.673 named and 4.889 unnamed
 Conc: 19.123 of which 9.345 named and 9.777 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	32:41	1.780 n	6.386 200	276759	4.790	y	n
					155464	2.846	n	n
1,2,3,4,6,7,8-HpCDD	2	33:19	0.887 y	9.345	218096	4.302	y	n
					246013	2.923	n	n
	3	33:34	0.830 n	3.391	85858	1.149	n	n
					103412	0.955	n	n

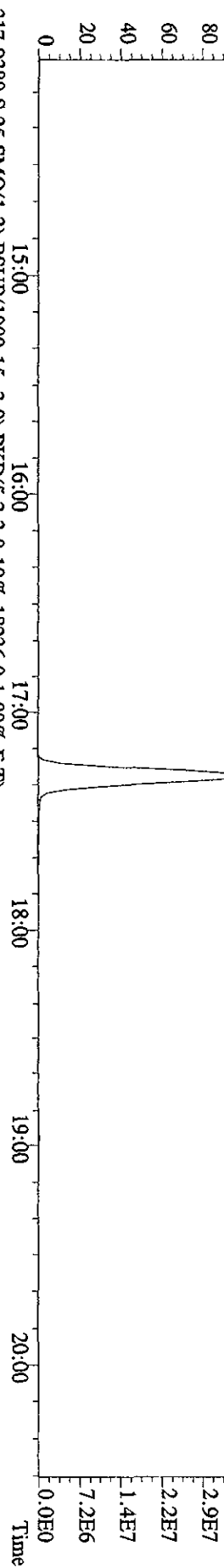
303 9016 S:25 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11152,0,1,100%,F,T)
100% A1.31E5



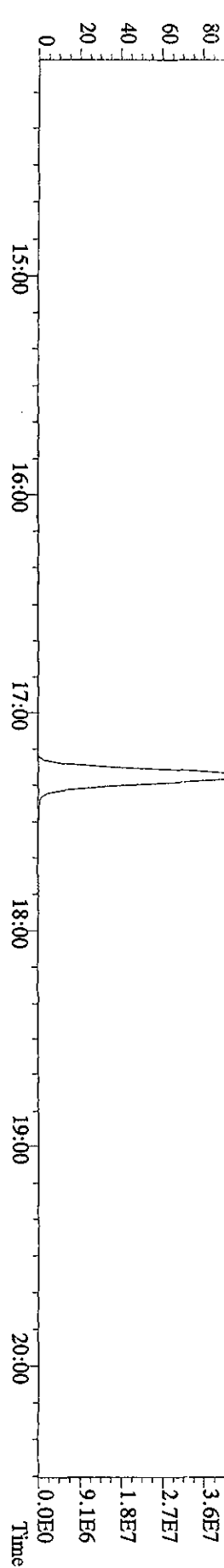
305 8987 S:25 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12056,0,1,100%,F,T)
100% A1.88E5



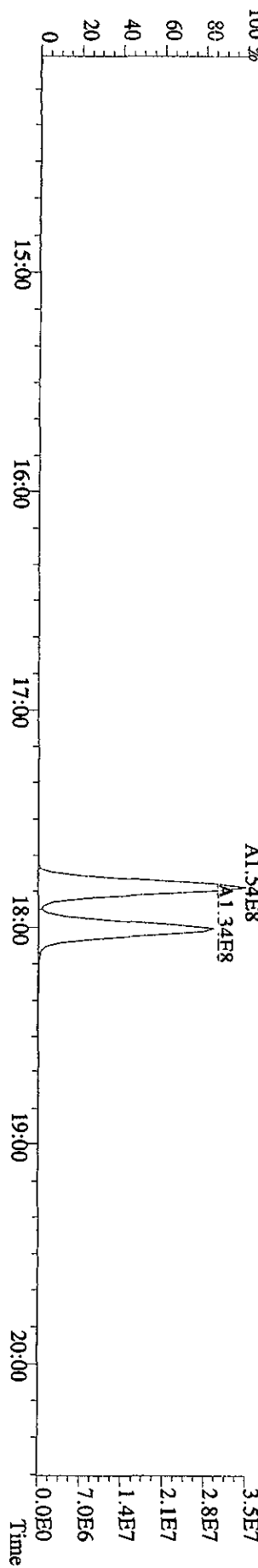
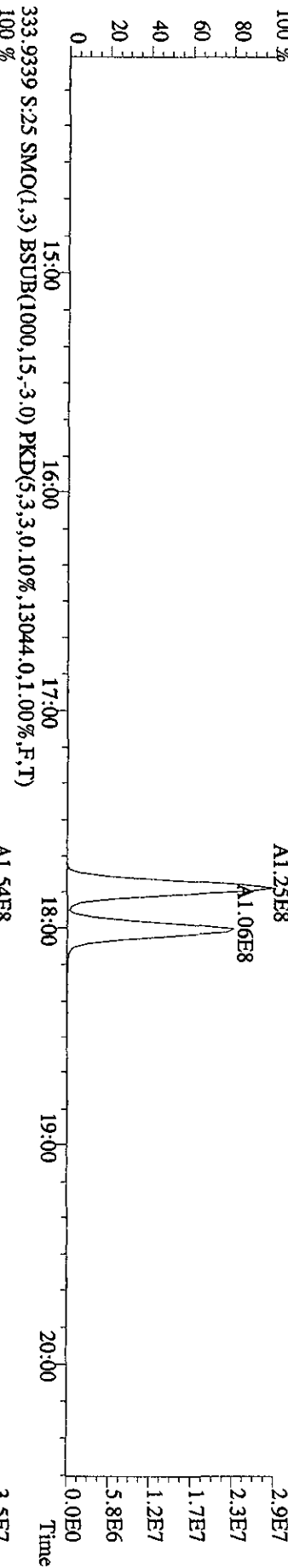
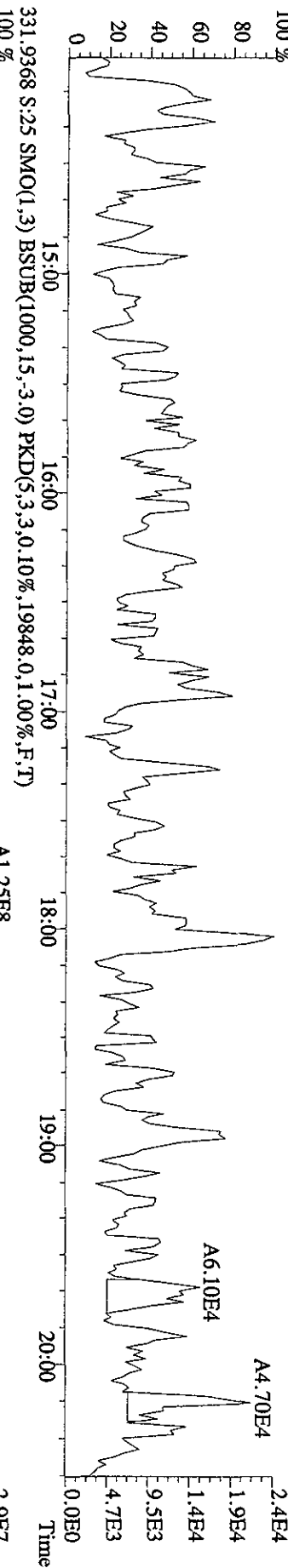
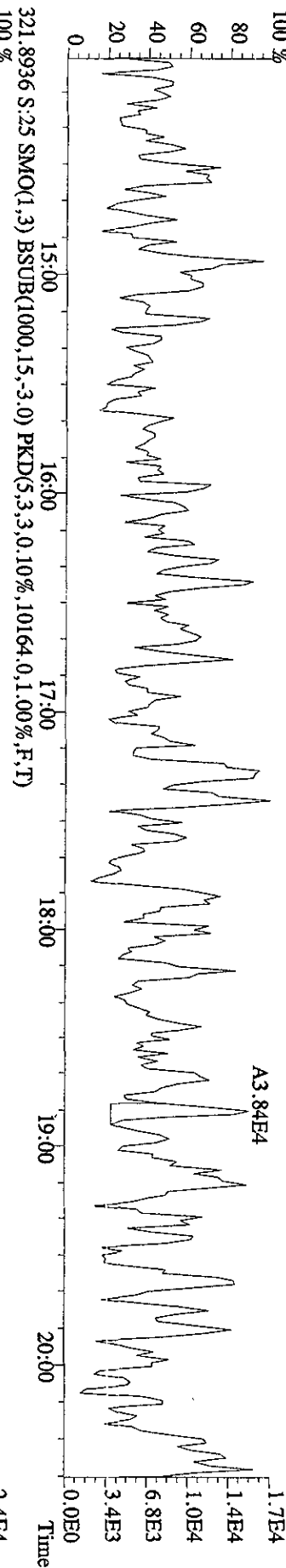
315 9419 S:25 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,21164,0,1,100%,F,T)
100% A1.59E8



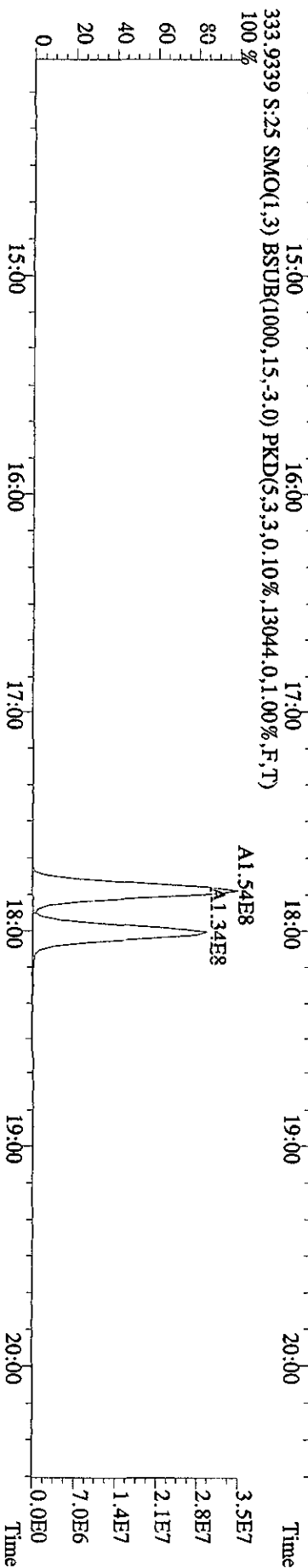
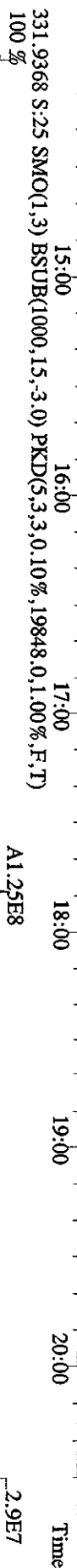
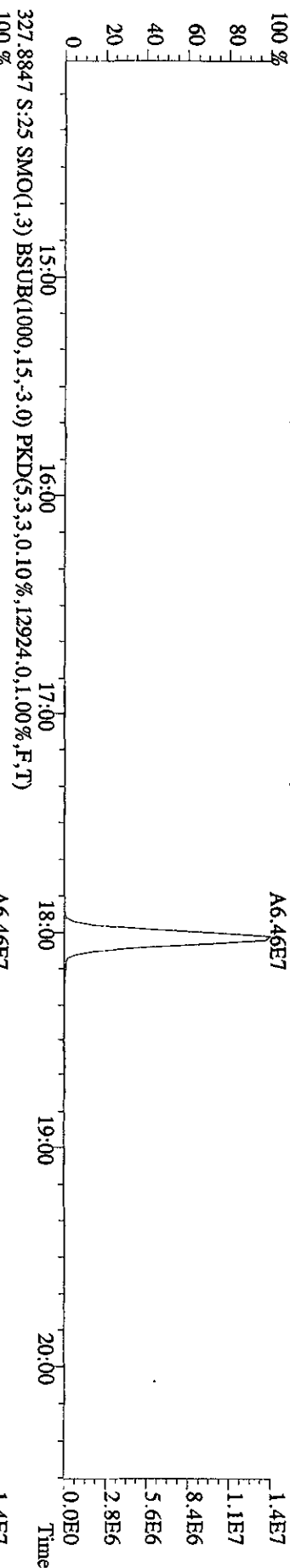
317 9389 S:25 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,18236,0,1,100%,F,T)
100% A2.03E8



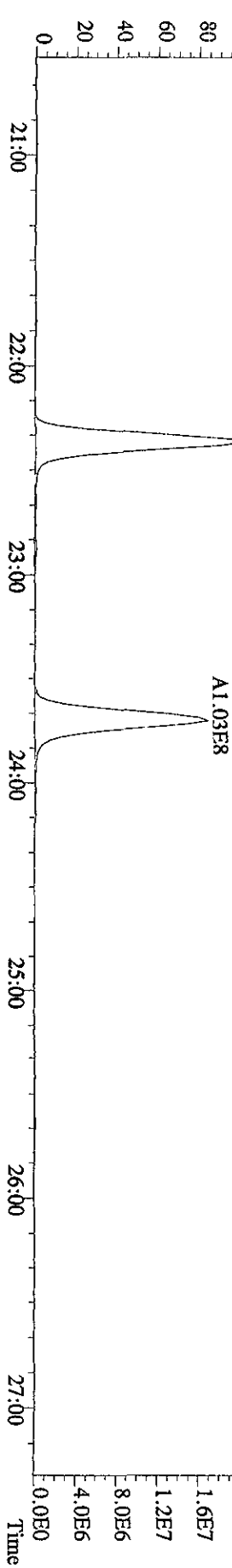
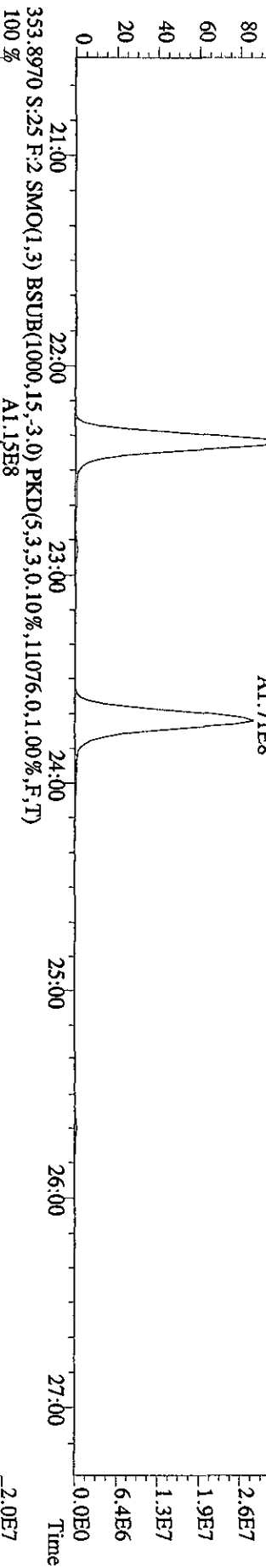
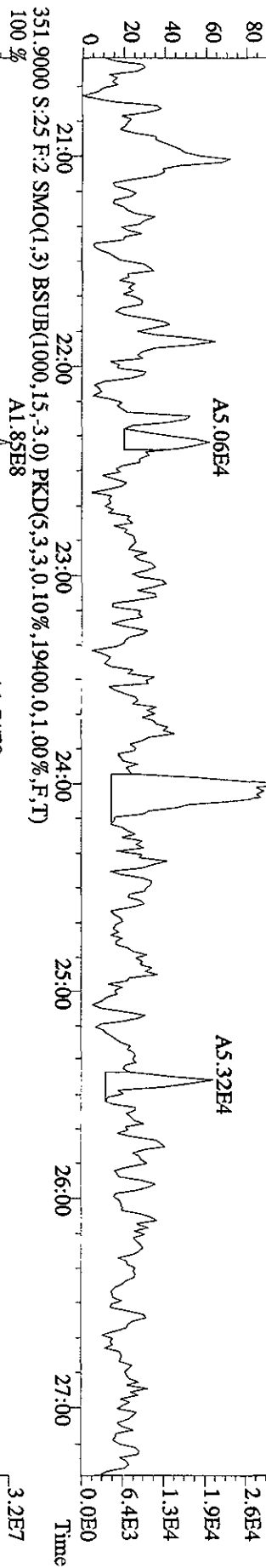
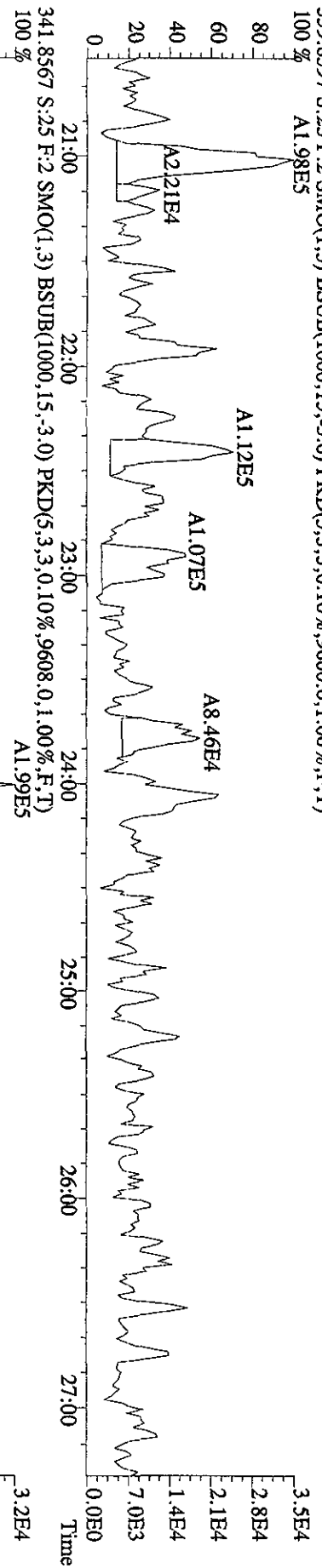
File:07OC10ID5 #1-382 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage SIR 70SE
 Sample#25 Text:LTVDA-1-AA :G01010524-1 Exp:DIOXINRES
 319.8965 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9720.0,1.00%,F,T)



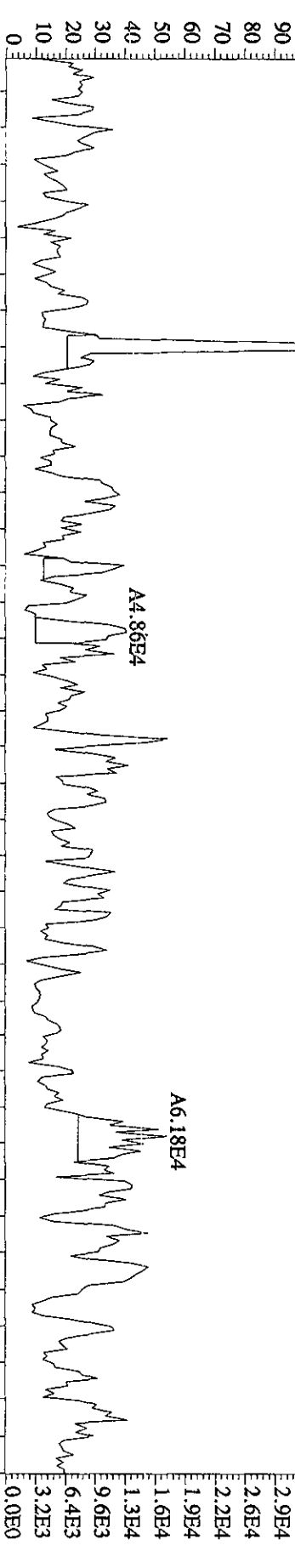
File:070C101D5 #1-382 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage S1R 70SE
 Sample#25 Text:LTVDA-1-AA :G01010524-1 Exp:DIOXINRES
 327.8847 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12924.0,1.00%,F,T)



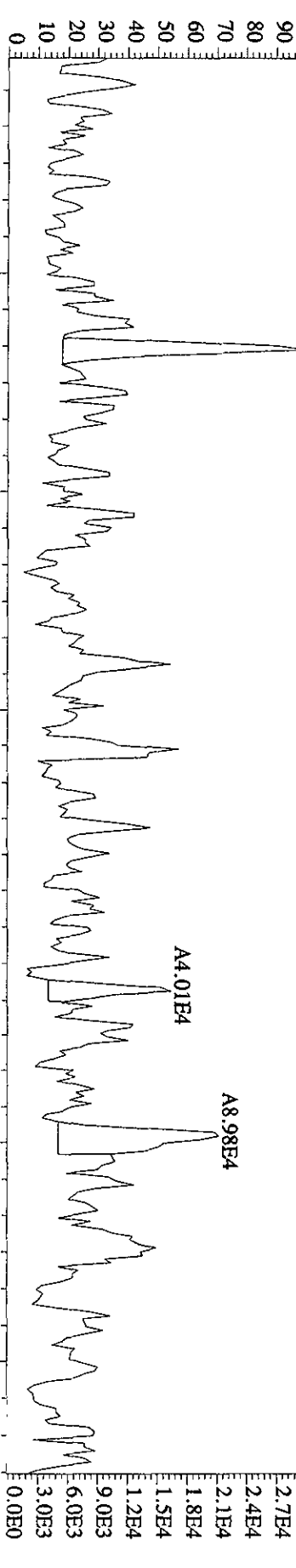
File:07OC1010D5 #1-423 Acq: 8-OCT-2010 05:08:01 GC:EI + Voltage SIR 70SE
 Sample#25 Text:LTVDA-1-AA :G01010524-1 Exp:DIOXINRES
 339.8597 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9600,0,1.00%,F,T)



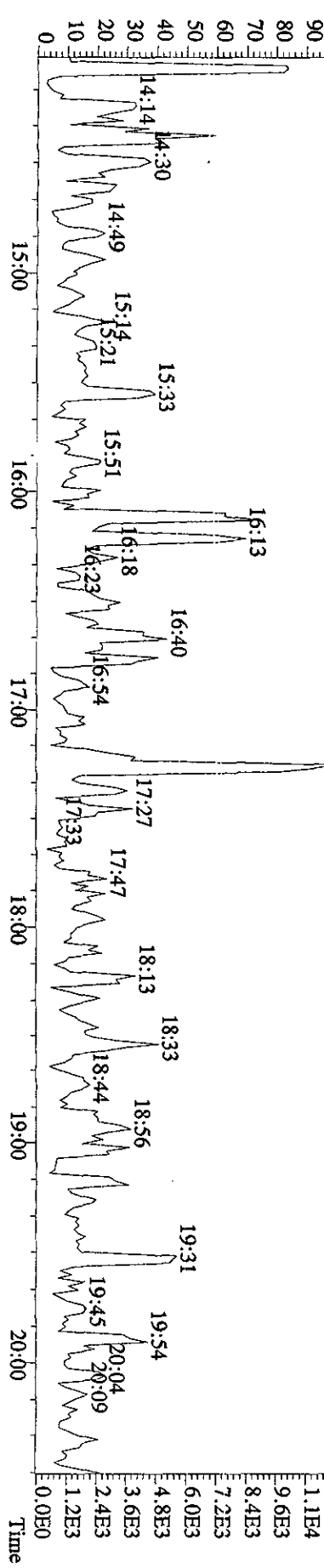
File:07OCT10ID5 #1-382 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage SIR 70SE
 Sample#25 Text:L7VDA-1-AA :G01010524-1 Exp:DIOXINRES
 339.8597 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7956,0,1.00%,F,T)
 100 % A8.91E4



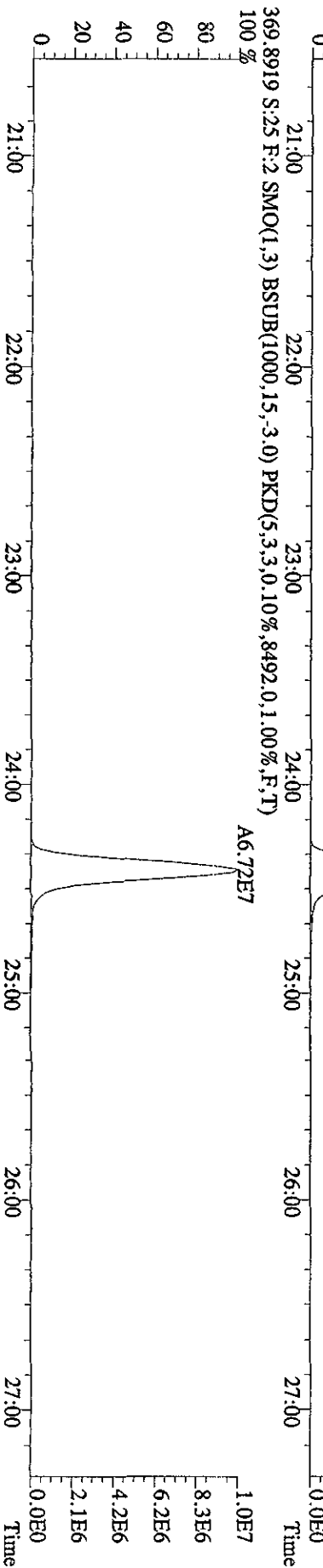
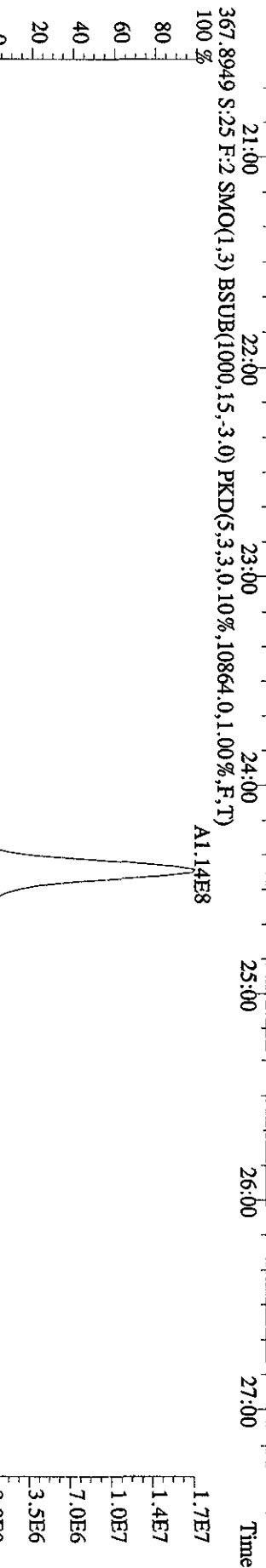
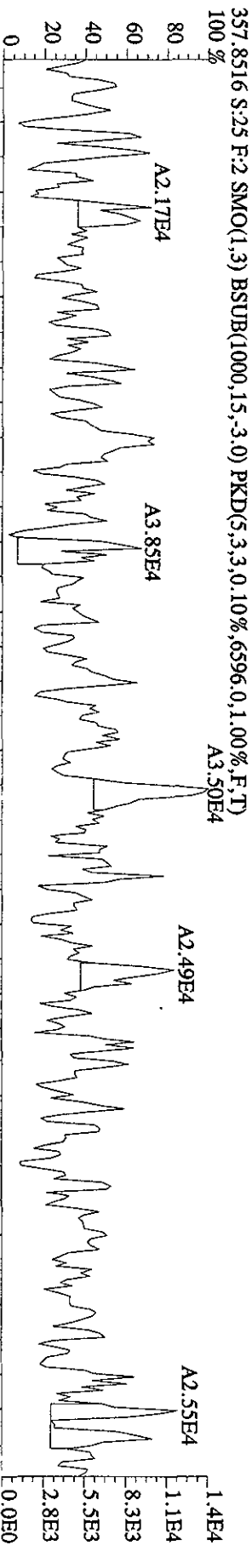
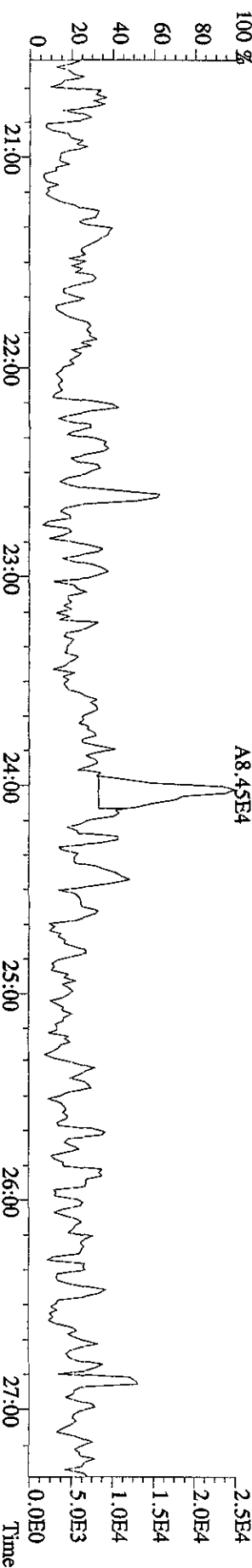
341.8567 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8528,0,1.00%,F,T)
 100 % A8.37E4



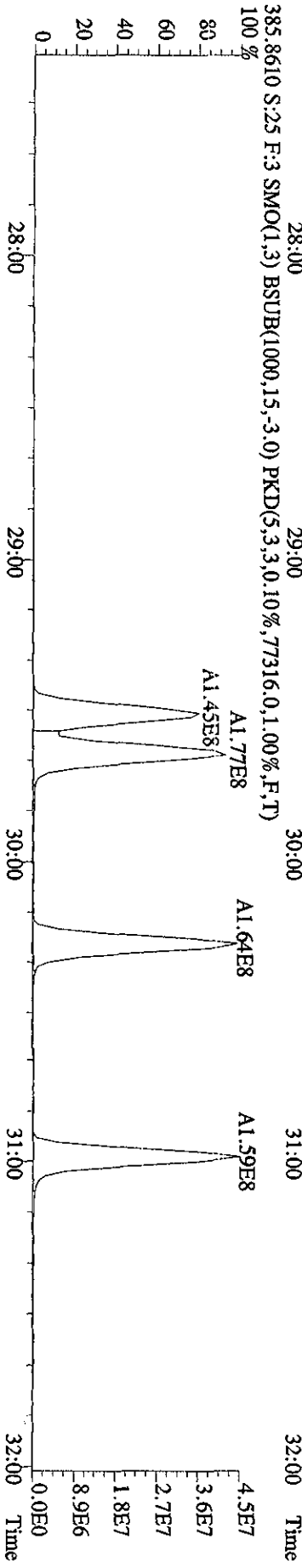
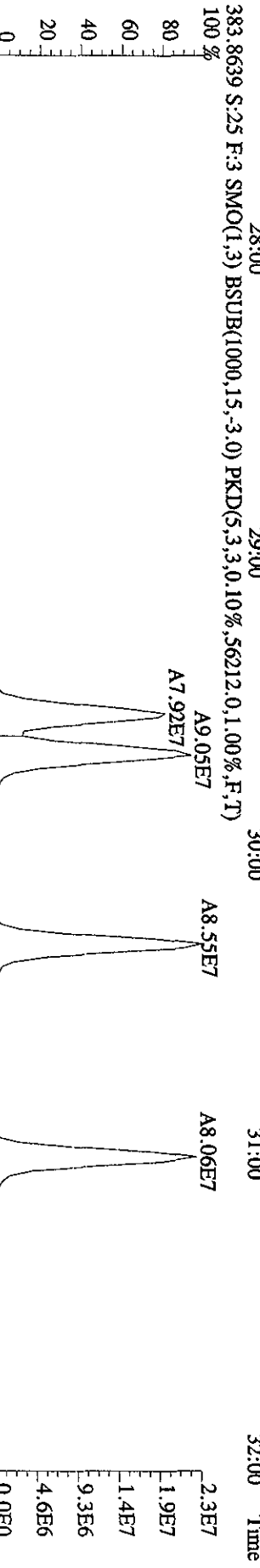
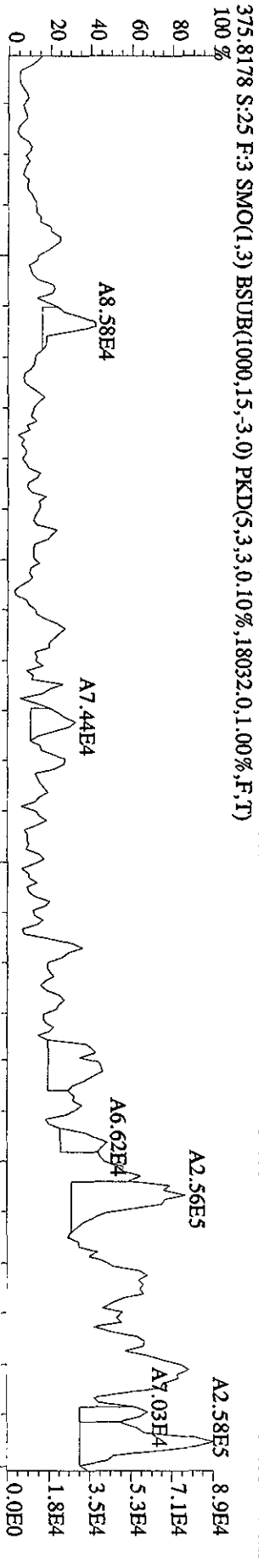
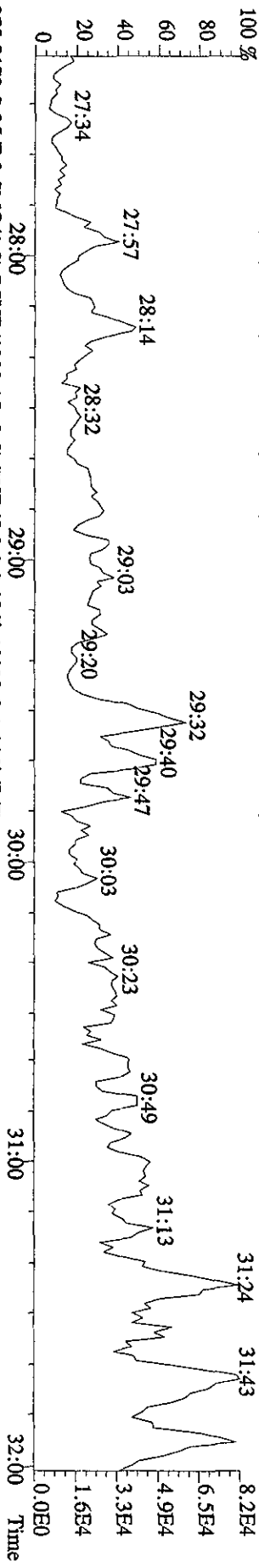
409.7974 S:25 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,1.00%,2060,0,1.00%,F,T)
 100 % 17:15



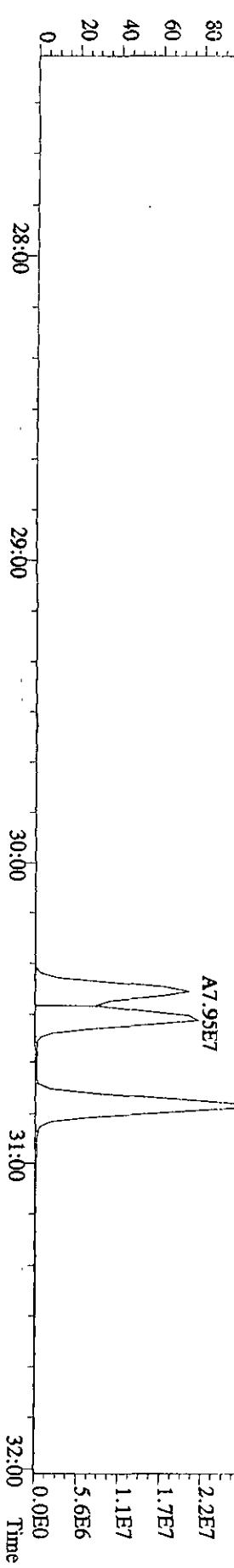
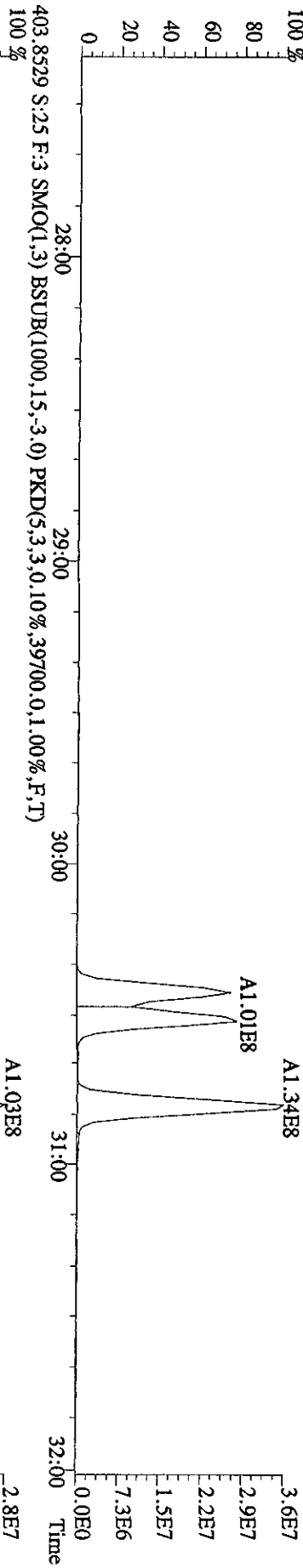
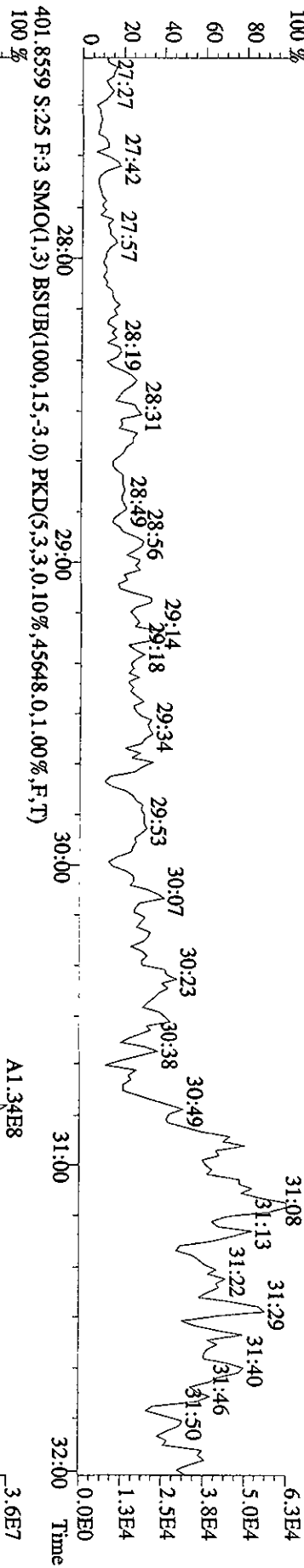
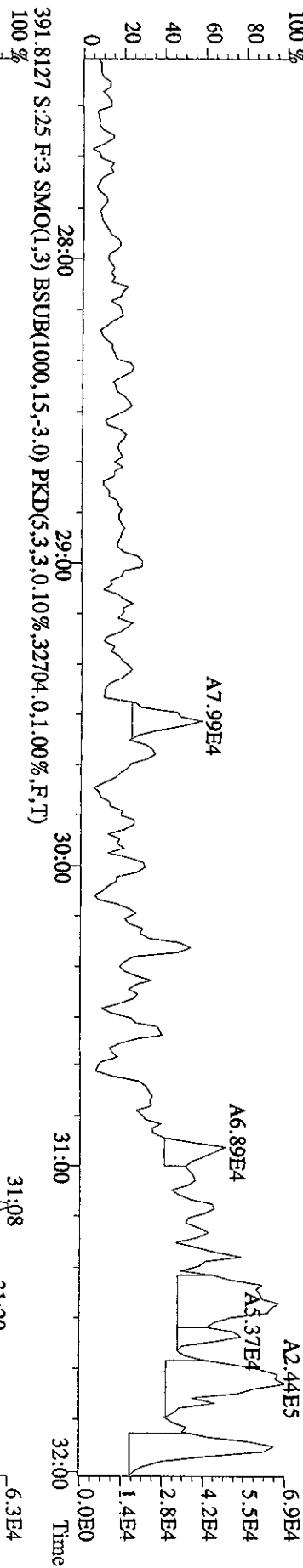
File:07OC101D5 #1-423 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage SIR 70SE
 Sample#25 Text:LTVDA-1-AA :G0J010524-1 Exp:DIOXINRES
 355.8546 S:25 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7180.0,1.00%,F,T)
 100 %



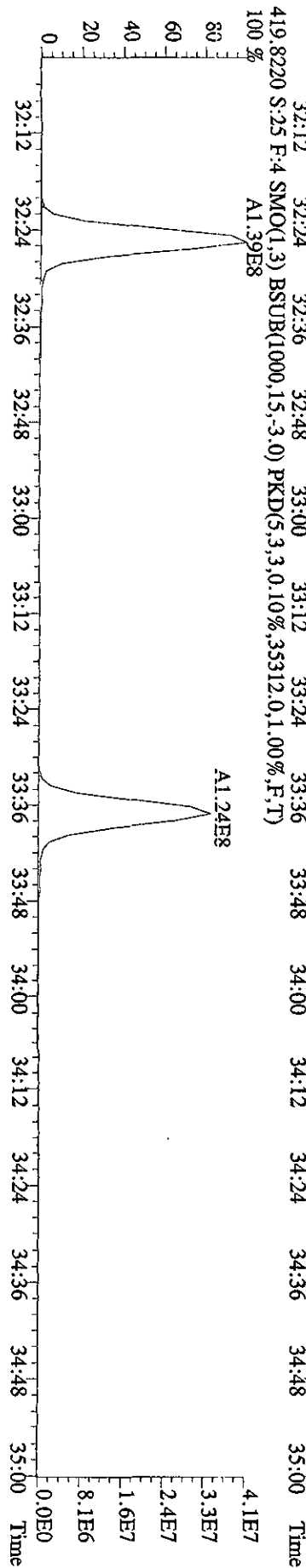
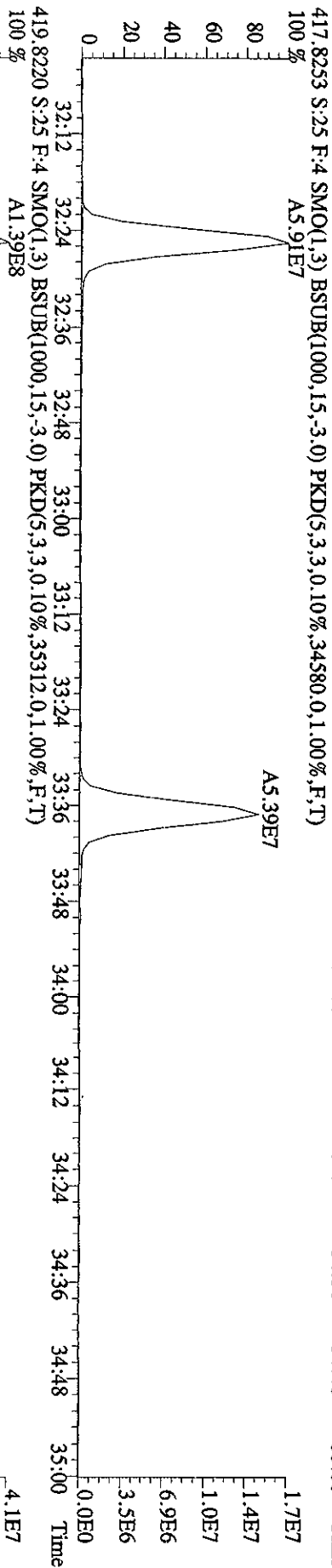
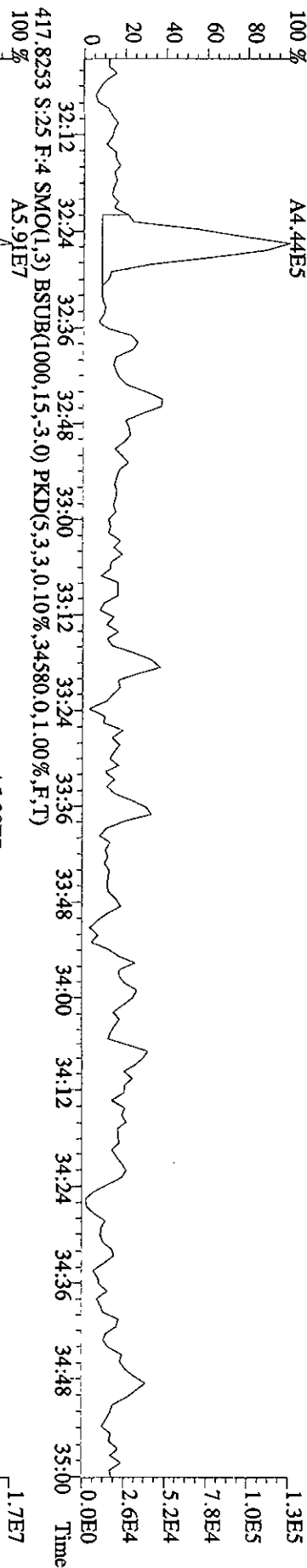
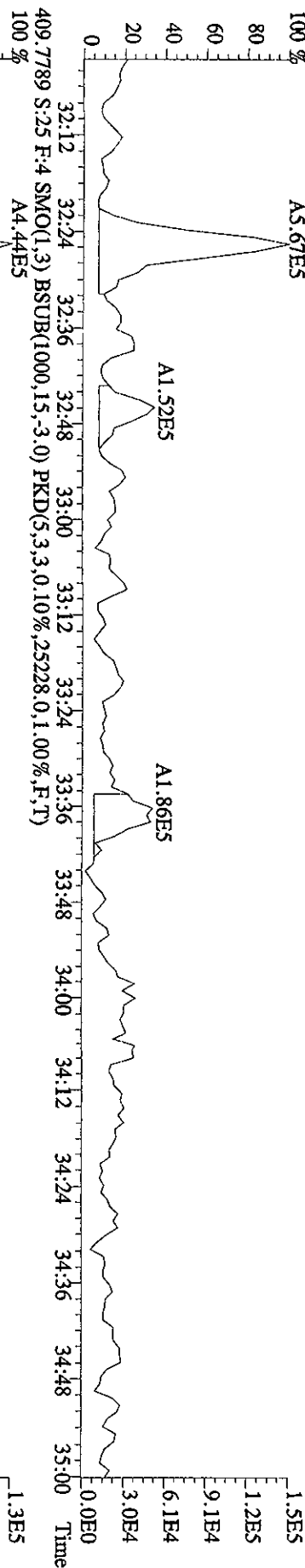
File:070C101D5 #1-301 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage SIR 70SE
 Sample#25 Text:L7VDA-1-AA :G01010524-1 Exp:DIOXINRES
 373.8208 S:25 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,41880,0.1,00%,F,T)
 100%



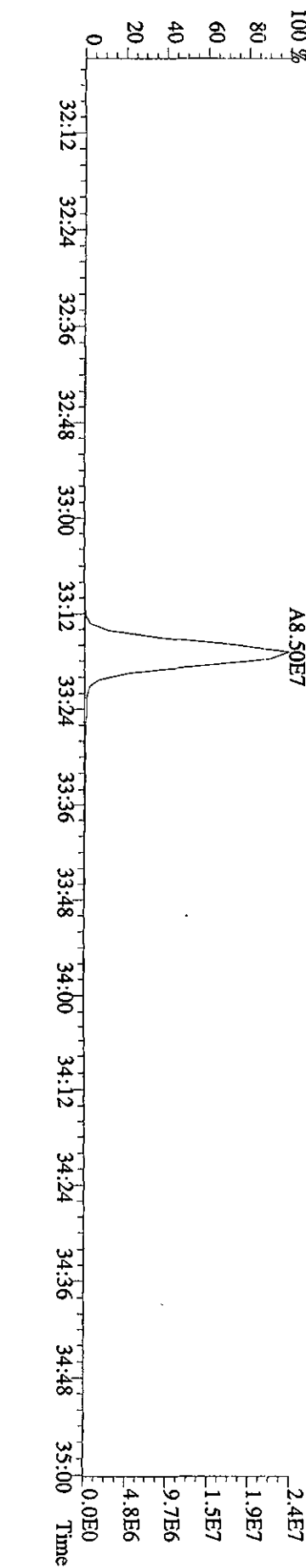
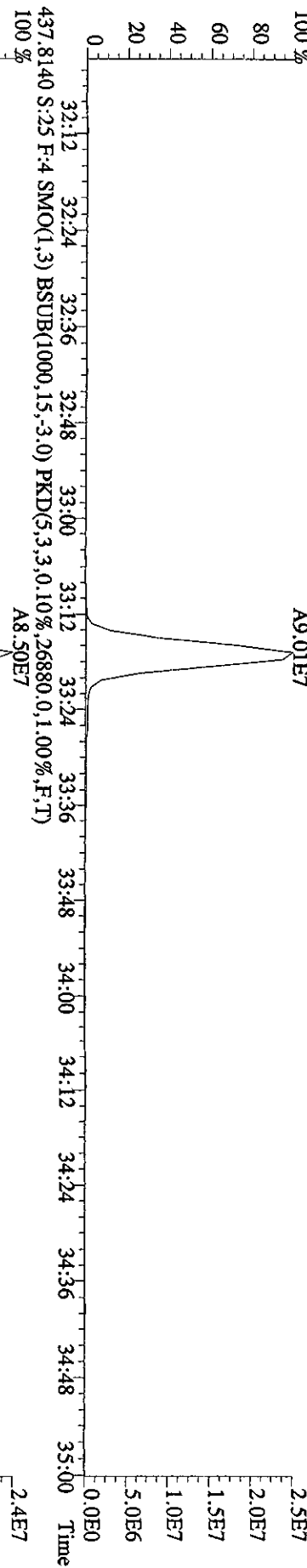
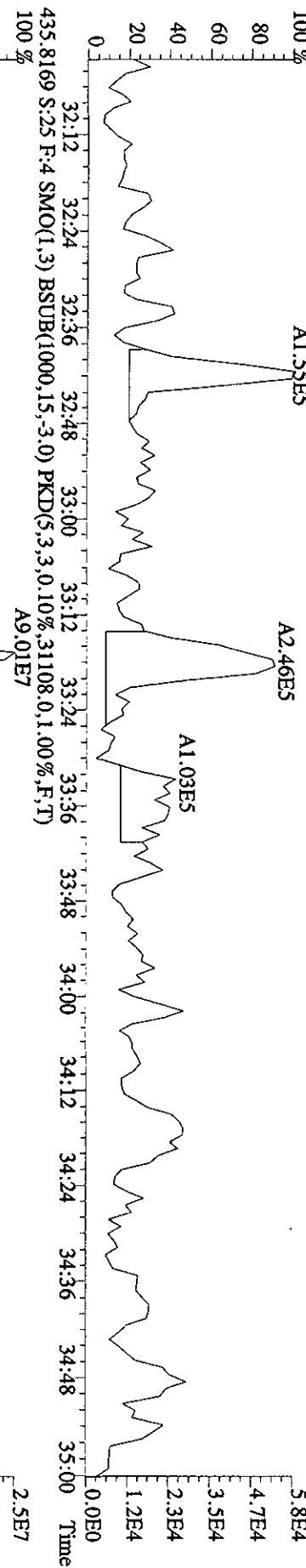
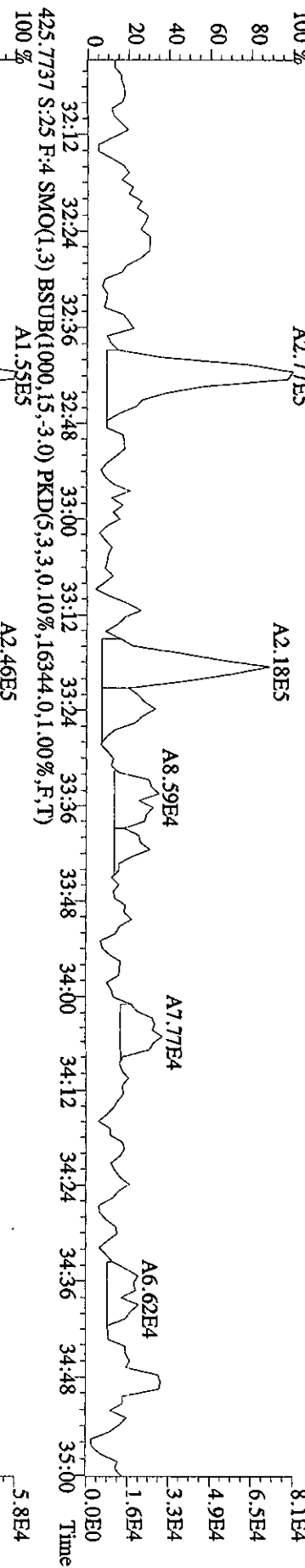
File:07OC101D5 #1-301 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage SIR 70SE
 Sample#25 Text:L7YDA-1-AA :G01010524-1 Exp:DIOXINRES
 389.8157 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,20604,0,1,00%,F,T)
 100 %



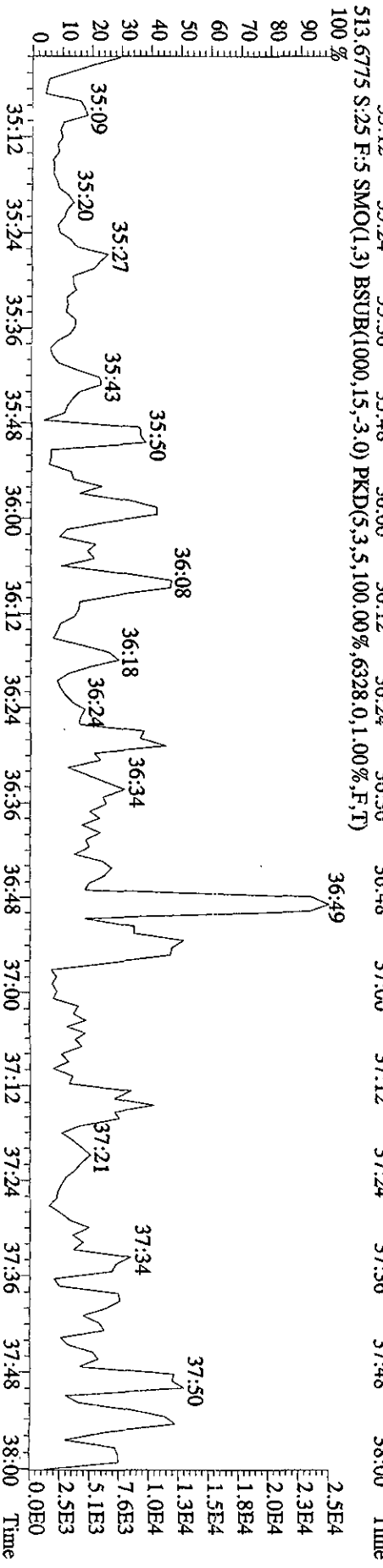
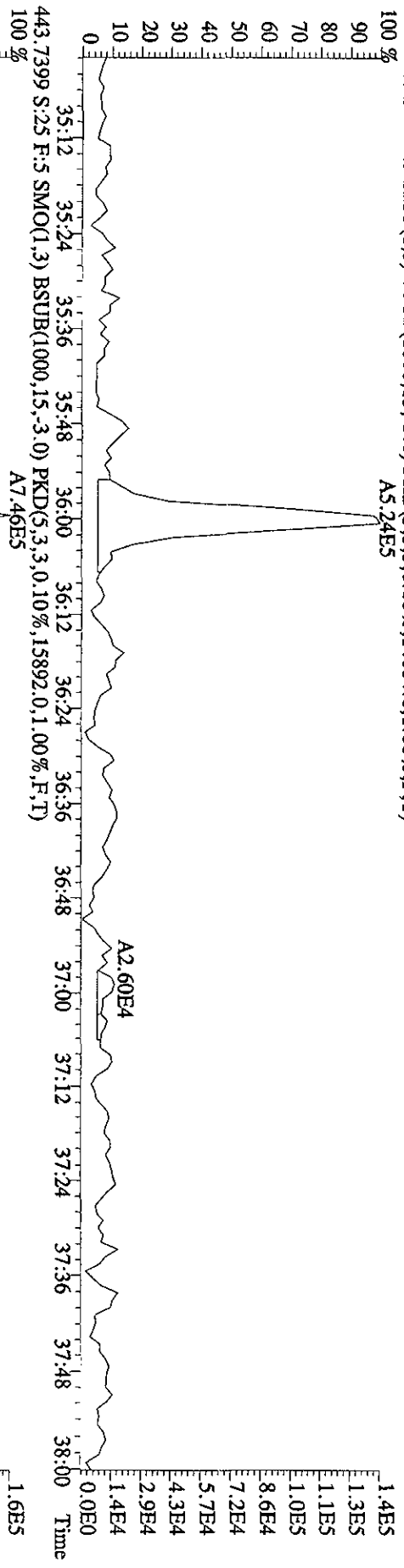
File:070C101D5 #1-202 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage SIR 70SE
 Sample#25 Text:L7VDA-1-AA :G01010524-1 Exp:DIOXINRES
 407.7818 S:25 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26428,0.1,00%,F,T)
 100 % A5.67E5



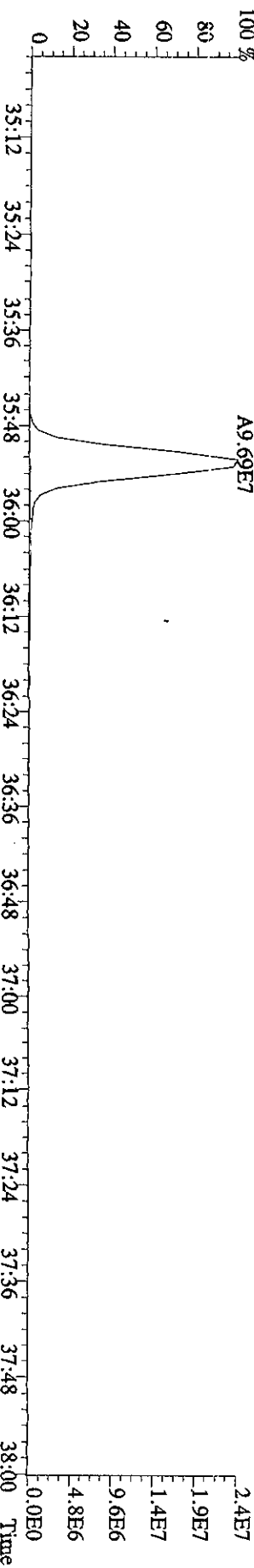
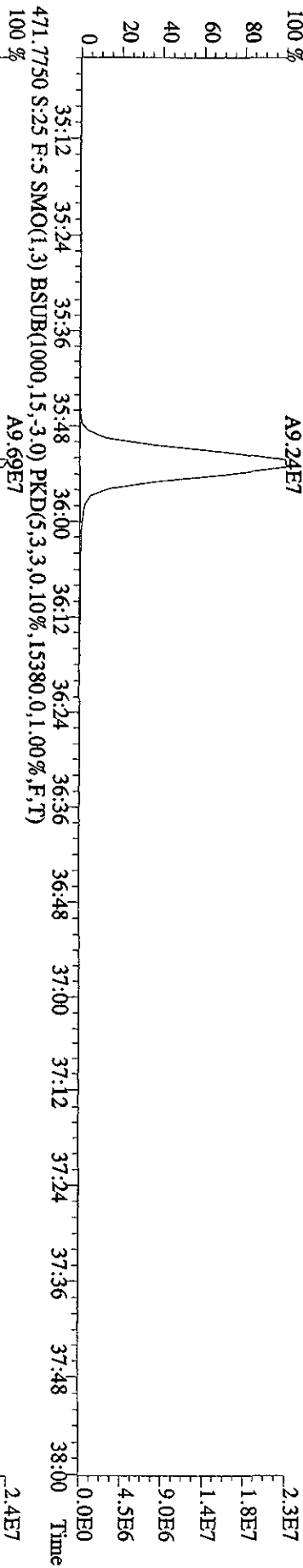
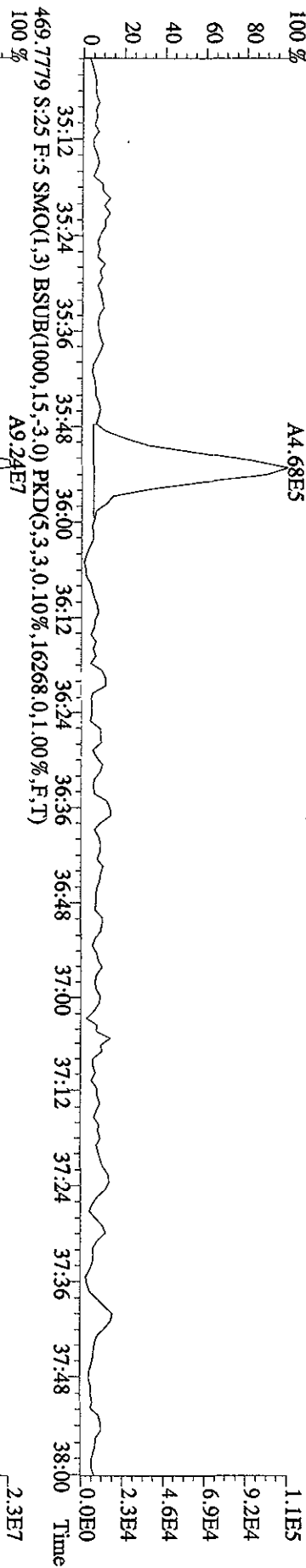
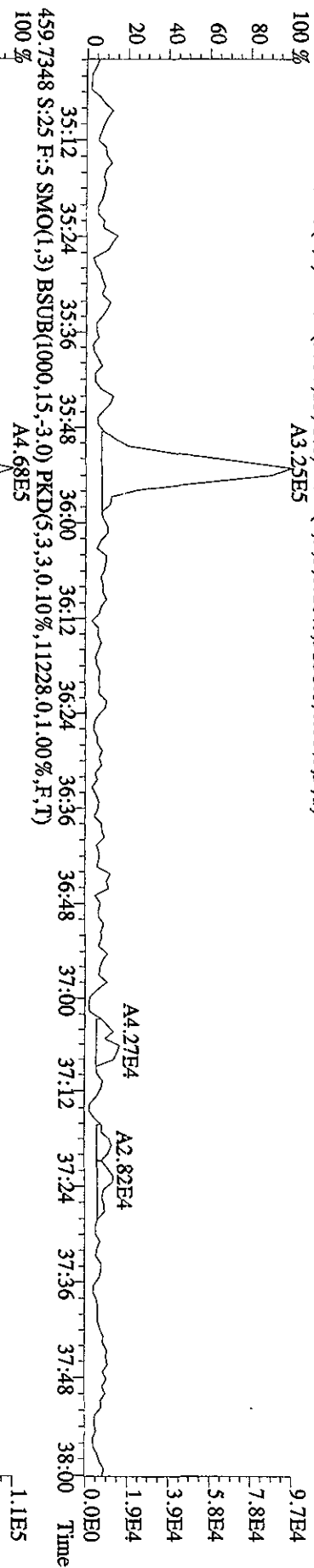
File:070C101D5 #1-202 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage SIR 70SE
 Sample#25 Text:L7VDA-1-AA :G01010524-1 Exp:DIOXINRES
 423.7766 S:25 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15384.0,1.00%,F,T)
 100 % A2.77E5



File:070C101D5 #1-196 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage SIR 70SE
 Sample#25 Text:LTVDA-1-AA :G01010524-1 Exp:DIOXINRES
 441.7428 S:25 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14084.0,1.00%,F,T)
 100% A5.24ES



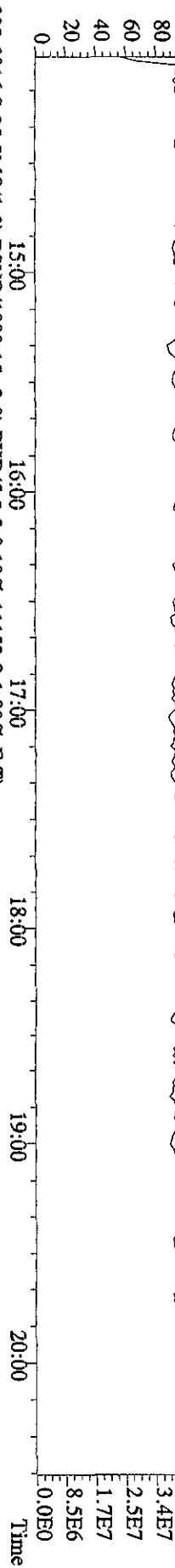
File: 07OC101D5 #1-196 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage SIR 70SE
 Sample#25 Text: LTVDA-1-AA : G0I010524-1 Exp: DIOXINRES
 457.7377 S:25 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9136.0,1.00%,F,T)
 100% A3.25E5



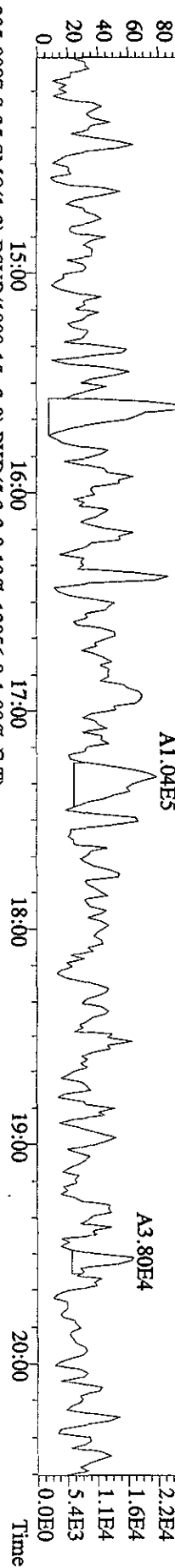
Sample#25 Text:L7VDA-1-AA :G01010524-1

Exp:DIOXINRES

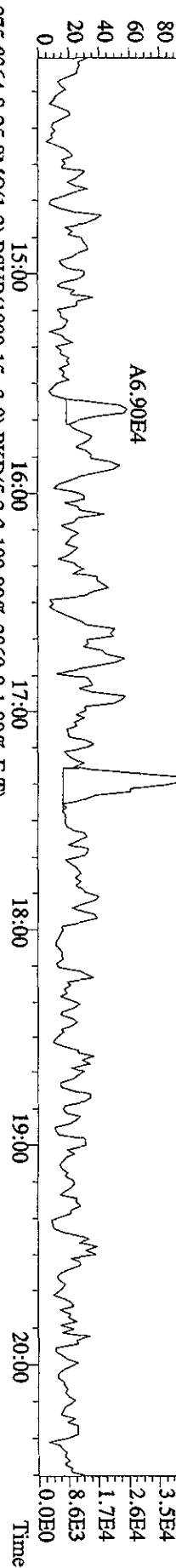
292.9825 S:25 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T) 14:21 14:44 15:17 15:57 16:24 16:49 17:30 18:04 18:31 19:15 19:39 20:09



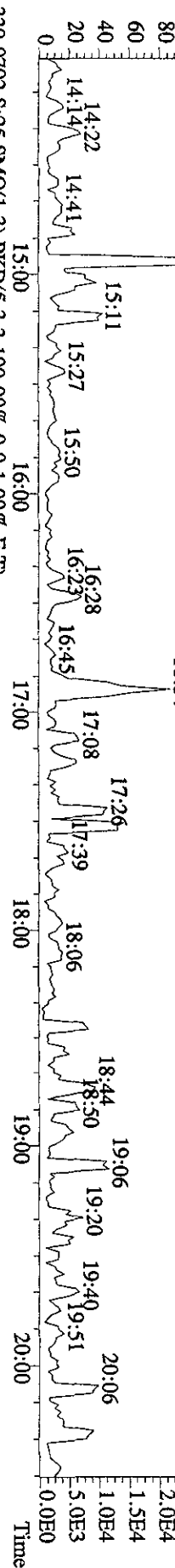
303.9016 S:25 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11152.0,1.00%,F,T) 15:00 16:00 17:00 18:00 19:00 20:00



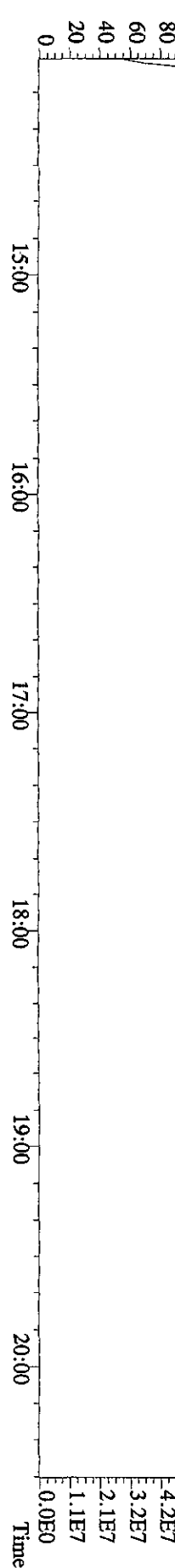
305.8987 S:25 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12056.0,1.00%,F,T) 15:00 16:00 17:00 18:00 19:00 20:00



375.8364 S:25 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2860.0,1.00%,F,T) 15:00 16:00 17:00 18:00 19:00 20:00



330.9792 S:25 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 15:00 16:00 17:00 18:00 19:00 20:00

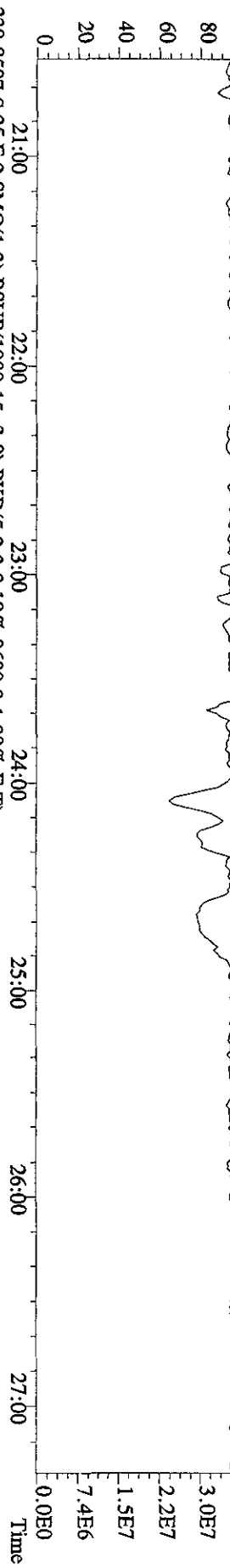


File:07OCT101D5 #1-423 Acq: 8-OCT-2010 05:08:01 GC EI + Voltage SIR 70SE

Sample#25 Text:L7VDA-1-AA :G01010524-1

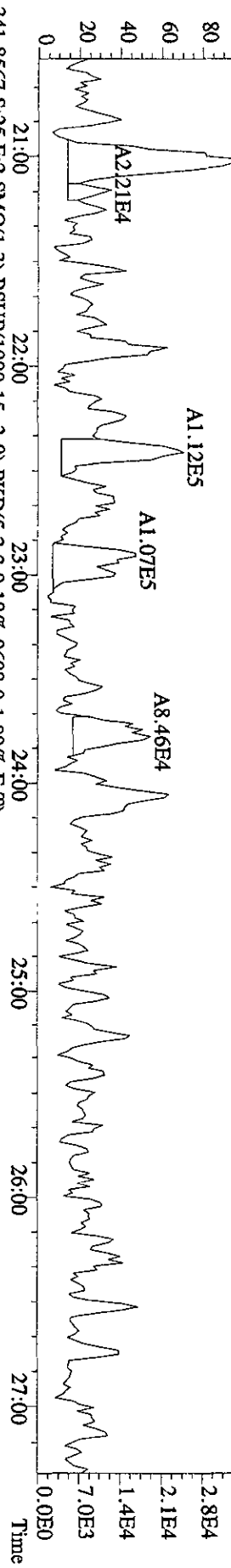
342.9792 S:25 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T) Exp:DIOXINRES

100 % 20:55 21:32 21:56 22:32 23:10 23:34 23:57 24:21 25:05 25:29 25:57 26:23 26:47 27:09 3.7E7



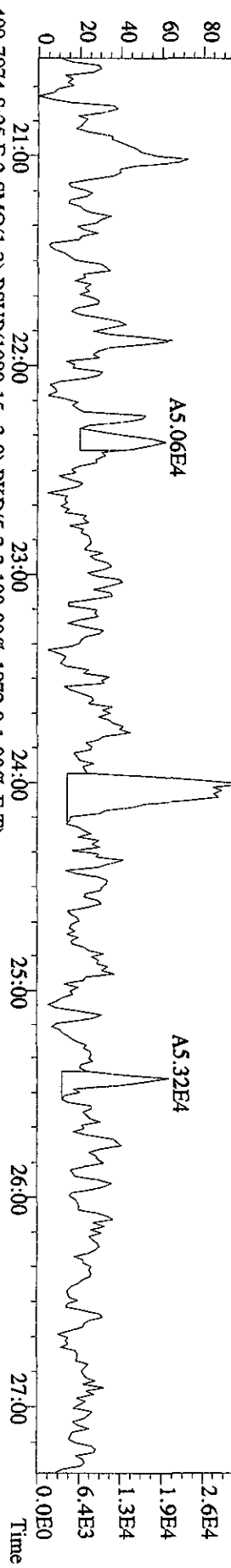
339.8597 S:25 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,9600.0,1.00%,F,T)

100 % A1.98E5

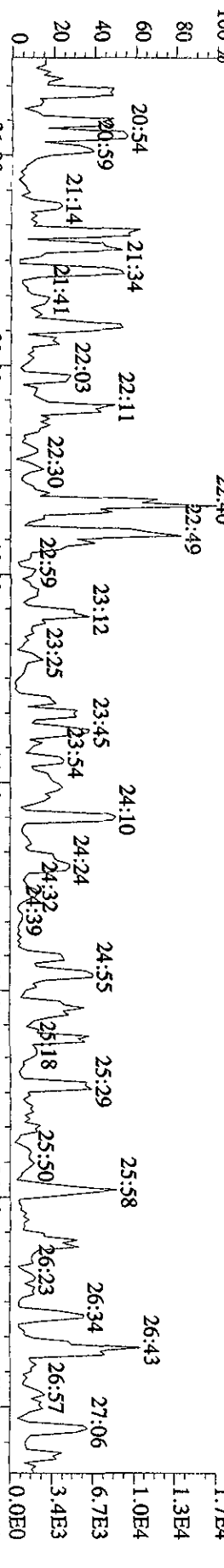


341.8567 S:25 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,9608.0,1.00%,F,T)

100 % A1.99E5

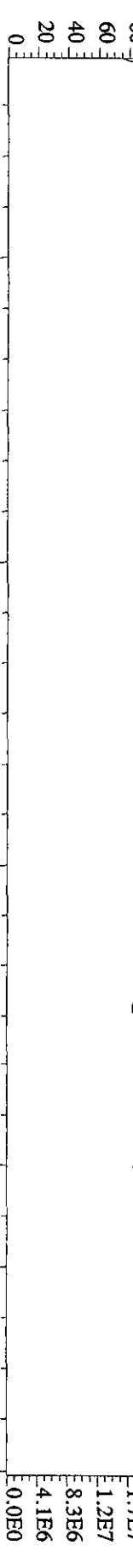


409.7974 S:25 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,1972.0,1.00%,F,T)

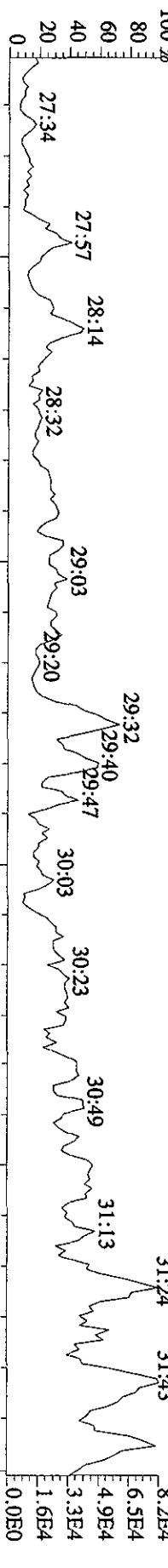


Sample#25 Text:L7VDA-1-AA :G0I010524-1 Exp:DIOXINRES

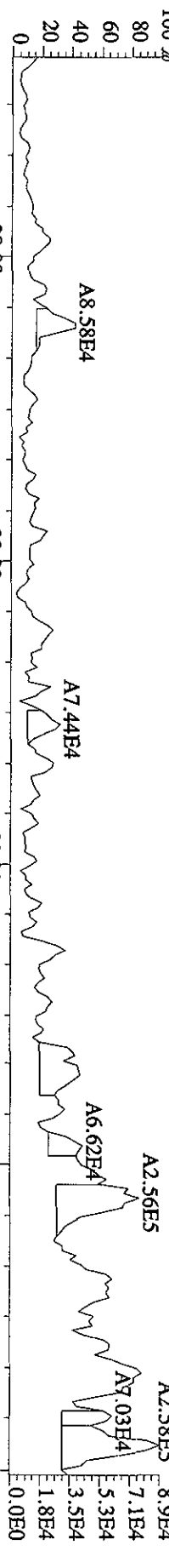
392.9760 S:25 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



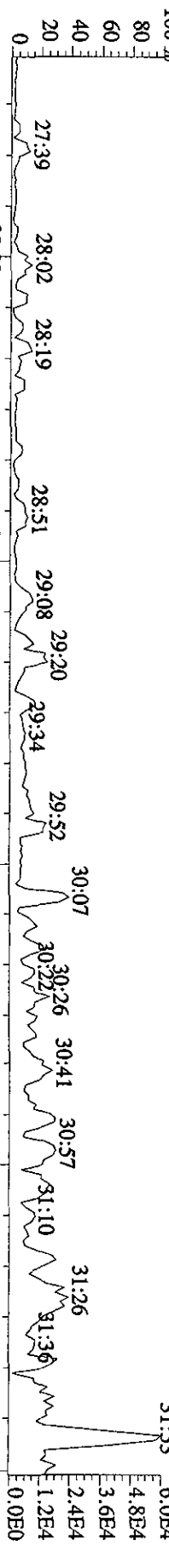
373.8208 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41880.0,1.00%,F,T)



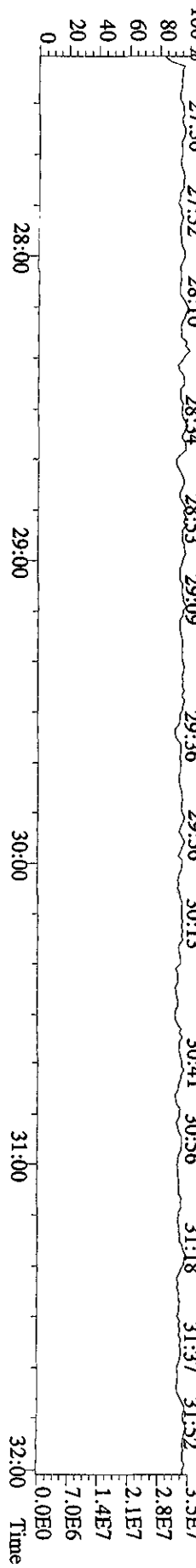
375.8178 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18032.0,1.00%,F,T)



445.7555 S:25 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,11448.0,1.00%,F,T)



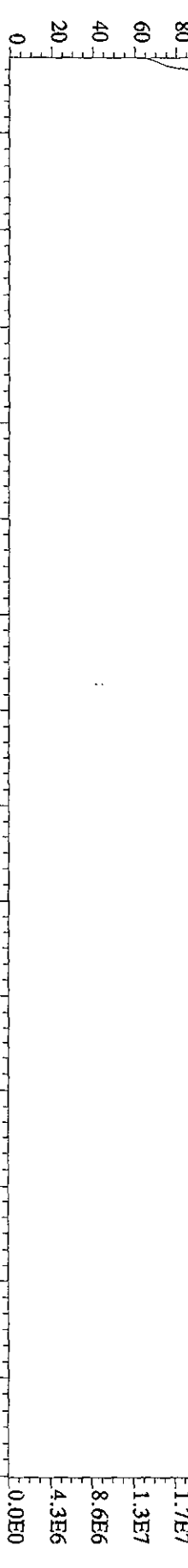
380.9760 S:25 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



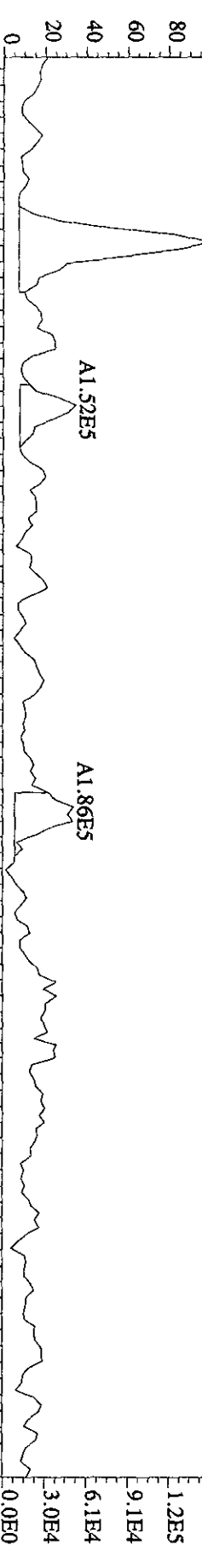
File:07OC101D5 #1-202 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage SIR 70SE

Sample#25 Text:LTVIDA-1-AA :G01010524-1 Exp:DIOXINRES

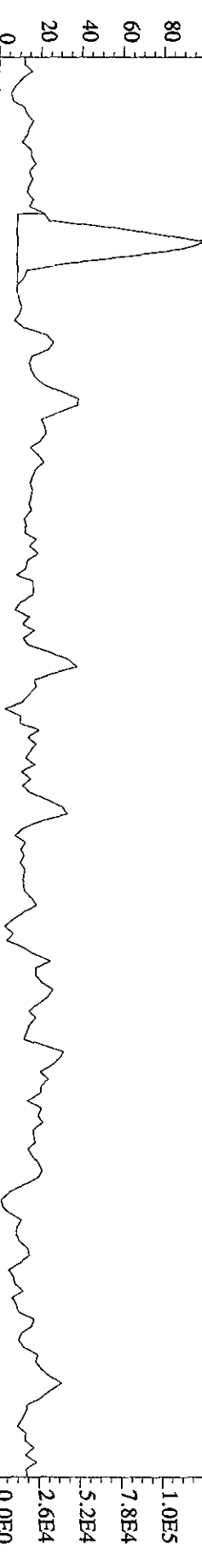
430.9728 S:25 F:4 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



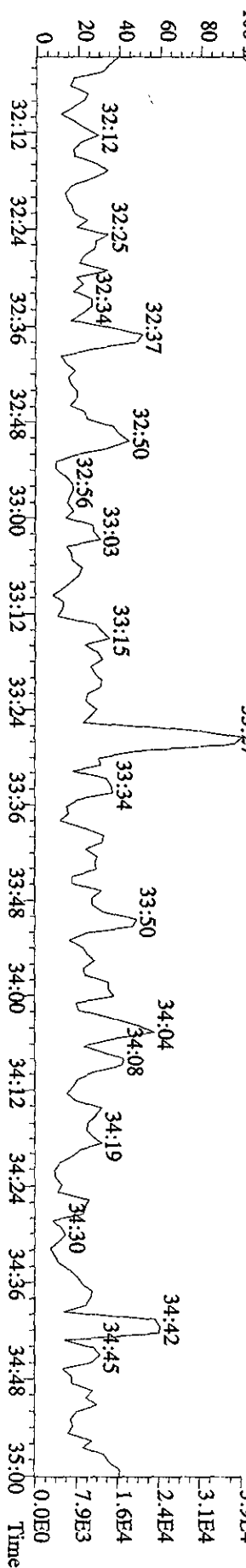
407.7818 S:25 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,26428,0.1,00%,F,T)



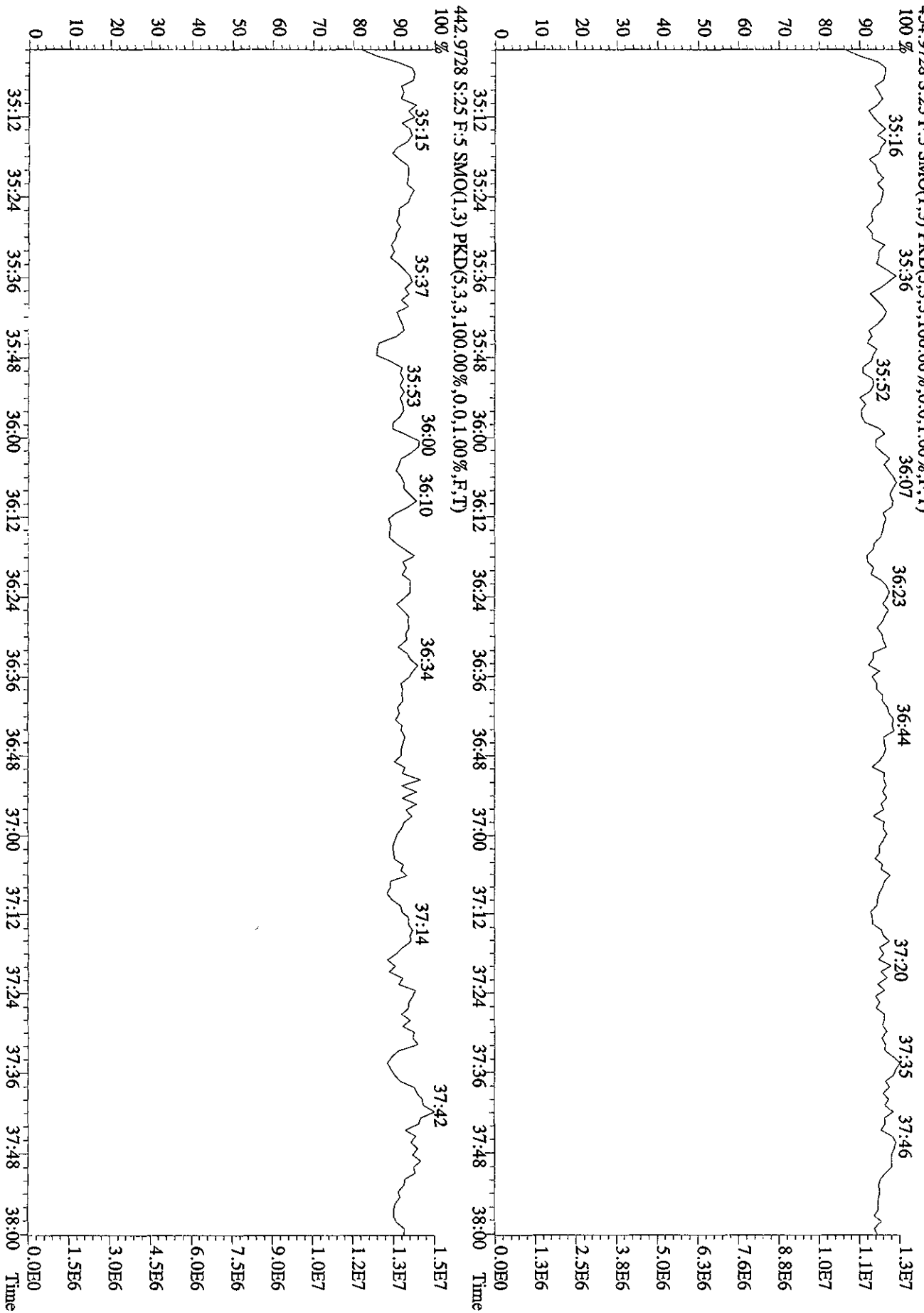
409.7789 S:25 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,25228,0.1,00%,F,T)



479.7165 S:25 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,11988,0.1,00%,F,T)



File:07OC101IDS #1-196 Acq: 8-OCT-2010 05:08:01 GC EI+ Voltage SIR 70SE
Sample#25 Text:LTVDA-1-AA :G01010524-1 Exp:DIOXINRES
454.9728 S:25 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: L7VDE-1-AA Sample text: L7VDE-1-AA :G0J010524-3
 Run #7 Filename: 12OC104D5 S: 13 I: 1 Results: 12oc104d5to9
 Acquired: 12-OCT-10 18:37:57 Processed: 12-OCT-10 19:46:24
 Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAMP

Handwritten signature

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	116437900	0.81 y	20:05	-	69.725	-	-	n
13C-2,3,7,8-TCDF	132260000	0.79 y	19:29	1.23	3695.907	3.319	92.4	n
2,3,7,8-TCDF	20585210	0.76 y	19:31	0.99	626.003	3.173	-	n
Total TCDF	119287830	0.82 y	16:43	0.99	3622.581	3.173	-	n
13C-2,3,7,8-TCDD	101904800	0.79 y	20:18	0.91	3867.987	7.468	96.7	n
2,3,7,8-TCDD	254870	0.79 y	20:20	0.98	10.172	1.996	-	n
Total TCDD	8433459	1.87 n	16:44	0.98	336.598	1.996	-	n
37Cl-2,3,7,8-TCDD	56155000	1.00 y	20:19	1.33	1662.216	2.217	103.9	n
13C-1,2,3,7,8-PeCDF	107352800	1.58 y	25:23	0.88	4209.691	8.261	105.2	n
1,2,3,7,8-PeCDF	12264360	1.61 y	25:25	1.08	424.446	9.291	-	n
2,3,4,7,8-PeCDF	5883030	1.54 y	27:00	1.05	209.646	9.567	-	n
Total F2 PeCDF	87530398	1.50 y	23:34	1.06	3070.437	9.427	-	n
Total F1 PeCDF	4678685	0.66 n	17:02	1.06	164.289	3.172	-	n
13C-1,2,3,7,8-PeCDD	74258800	1.52 y	27:49	0.66	3860.355	2.486	96.5	n
1,2,3,7,8-PeCDD	545661	1.53 y	27:52	0.93	31.760	4.138	-	n
Total PeCDD	5693142	1.48 y	24:01	0.93	331.385	4.138	-	n
13C-1,2,3,7,8,9-HxCDD	77389700	1.27 y	33:25	-	65.363	-	-	n
13C-1,2,3,4,7,8-HxCDF	64478600	0.54 y	32:20	1.04	3189.811	2.723	79.7	n
1,2,3,4,7,8-HxCDF	15642450	1.16 y	32:21	1.22	797.212	8.490	-	y
1,2,3,6,7,8-HxCDF	11878130	1.14 y	32:27	1.28	574.949	8.063	-	y
2,3,4,6,7,8-HxCDF	2414290	1.19 y	32:57	1.23	121.429	8.378	-	y
1,2,3,7,8,9-HxCDF	2062400	1.16 y	33:37	1.10	116.506	9.410	-	y
Total HxCDF	83496436	1.66 n	30:48	1.21	4252.353	8.557	-	y
13C-1,2,3,6,7,8-HxCDD	59198000	1.28 y	33:10	0.83	3682.918	2.958	92.1	n
1,2,3,4,7,8-HxCDD	364276	1.17 y	33:06	1.04	23.732	1.904	-	y
1,2,3,6,7,8-HxCDD	607674	1.23 y	33:11	1.16	35.312	1.698	-	y
1,2,3,7,8,9-HxCDD	552796	1.32 y	33:26	1.18	31.608	1.671	-	y
Total HxCDD	4929505	1.13 y	31:50	1.13	292.528	1.752	-	y
13C-1,2,3,4,6,7,8-HpCDF	63706200	0.45 y	34:57	0.91	3618.315	14.011	90.5	n
1,2,3,4,6,7,8-HpCDF	52614900	1.04 y	34:57	1.35	2454.791	8.856	-	n
1,2,3,4,7,8,9-HpCDF	16470560	1.06 y	36:07	1.09	945.784	10.899	-	n
Total HpCDF	98805751	1.04 y	34:57	1.22	4928.17	9.772	-	n
13C-1,2,3,4,6,7,8-HpCDD	61116800	1.06 y	35:47	0.83	3821.545	9.184	95.5	n
1,2,3,4,6,7,8-HpCDD	2444550	1.08 y	35:47	1.07	149.289	2.051	-	n
Total HpCDD	3863759	4.06 n	34:57	1.07	235.023	2.051	-	n
13C-OCDD	89194500	0.88 y	38:21	0.62	7436.944	6.938	93.0	n
OCDF	81246000	0.87 y	38:29	1.37	5317.887	2.069	-	n

OCDD 2293970 0.93 y 38:21 1.20 171.556 3.087 - n

Run text: L7VDE-1-AA Sample text: L7VDE-1-AA :G0J010524-3
 Run #7 Filename: 12OC104D5 S: 13 I: 1 Results: 12OC104D5TO9
 Acquired: 12-OCT-10 18:37:57 Processed: 12-OCT-10 19:46:24
 Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 0.50 SAMP

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	116437900	0.81 y	20:05	-	69.725	-	-	n
13C-2,3,7,8-TCDF	132260000	0.79 y	19:29	1.23	3695.907	3.319	92.4	n
2,3,7,8-TCDF	20585210	0.76 y	19:31	0.99	626.003	3.173	-	n
Total TCDF	119287830	0.82 y	16:43	0.99	3627.581	3.173	-	n
13C-2,3,7,8-TCDD	101904800	0.79 y	20:18	0.91	3867.987	7.468	96.7	n
2,3,7,8-TCDD	254870	0.79 y	20:20	0.98	10.172	1.996	-	n
Total TCDD	8433459	1.87 n	16:44	0.98	336.598	1.996	-	n
37C1-2,3,7,8-TCDD	56155000	1.00 y	20:19	1.33	1662.216	2.217	103.9	n
13C-1,2,3,7,8-PeCDF	107352800	1.58 y	25:23	0.88	4209.691	8.261	105.2	n
1,2,3,7,8-PeCDF	12264360	1.61 y	25:25	1.08	424.446	9.291	-	n
2,3,4,7,8-PeCDF	5883030	1.54 y	27:00	1.05	209.646	9.567	-	n
Total F2 PeCDF	87530398	1.50 y	23:34	1.06	3070.737	9.427	-	n
Total F1 PeCDF	4678685	0.66 n	17:02	1.06	166.289	3.172	-	n
13C-1,2,3,7,8-PeCDD	74258800	1.52 y	27:49	0.66	3860.355	2.486	96.5	n
1,2,3,7,8-PeCDD	545661	1.53 y	27:52	0.93	31.760	4.138	-	n
Total PeCDD	5693142	1.48 y	24:01	0.93	321.365	4.138	-	n
13C-1,2,3,7,8,9-HxCDD	77389700	1.27 y	33:25	-	65.363	-	-	n
13C-1,2,3,4,7,8-HxCDF	64478600	0.54 y	32:20	1.04	3189.811	2.723	79.7	n
1,2,3,4,7,8-HxCDF	18687220	1.15 y	32:21	1.22	952.388	8.490	-	n
1,2,3,6,7,8-HxCDF	11895000	1.14 y	32:27	1.28	575.766	8.063	-	n
2,3,4,6,7,8-HxCDF	6387310	1.15 y	32:56	1.23	321.257	8.378	-	n
1,2,3,7,8,9-HxCDF	4390550	1.15 y	33:40	1.10	248.025	9.410	-	n
Total HxCDF	83484096	1.66 n	30:48	1.21	4261.382	8.557	-	n
13C-1,2,3,6,7,8-HxCDD	59198000	1.28 y	33:10	0.83	3682.918	2.958	92.1	n
1,2,3,4,7,8-HxCDD	973333	1.20 y	33:11	1.04	63.410	1.904	-	n
1,2,3,6,7,8-HxCDD	973333	1.20 y	33:11	1.16	56.560	1.698	-	n
1,2,3,7,8,9-HxCDD	734204	1.27 y	33:26	1.18	41.981	1.671	-	n
Total HxCDD	4932094	1.13 y	31:50	1.13	291.832	1.752	-	n
13C-1,2,3,4,6,7,8-HpCDF	63706200	0.45 y	34:57	0.91	3618.315	14.011	90.5	n
1,2,3,4,6,7,8-HpCDF	52614900	1.04 y	34:57	1.35	2454.791	8.856	-	n
1,2,3,4,7,8,9-HpCDF	16470560	1.06 y	36:07	1.09	945.784	10.899	-	n
Total HpCDF	98805751	1.04 y	34:57	1.22	4930.645	9.772	-	n
13C-1,2,3,4,6,7,8-HpCDD	61116800	1.06 y	35:47	0.83	3821.545	9.184	95.5	n
1,2,3,4,6,7,8-HpCDD	2444550	1.08 y	35:47	1.07	149.289	2.051	-	n
Total HpCDD	3863759	4.06 n	34:57	1.07	235.960	2.051	-	n
13C-OCDD	89194500	0.88 y	38:21	0.62	7436.944	6.938	93.0	n

OCDF	81246000	0.87	y	38:29	1.37	5317.887	2.069	-	n
OCDD	2293970	0.93	y	38:21	1.20	171.556	3.087	-	n

Run Text: L7VDE-1-AA

Sample text: L7VDE-1-AA :G0J010524-3

Name: Total TCDF F:1 Mass: 303.902 305.899 Mod? no #Hom:18
 Run: 7 File: 12OC104D5 S:13 Acq:12-OCT-10 18:37:57
 Tables: Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5 Results: 12OC104D5

Amount: 1813.790 of which 313.001 named and 1500.789 unnamed
 Conc: 3627.581 of which 626.003 named and 3001.578 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	16:43	0.823 y	89.885	1334300 1621450	94.170 107.089	y	n
	2	17:05	0.811 y	32.339	476072 587342	29.347 33.122	y	n
	3	17:16	0.736 y	37.825	527516 716315	30.929 42.451	y	n
	4	17:35	0.754 y	665.947	9410930 12487800	540.451 684.465	y	n
	5	17:51	0.774 y	283.318	4065740 5250780	199.035 242.799	y	n
	6	18:12	0.782 y	249.897	3606070 4611440	129.738 164.432	y	n
	7	18:28	0.771 y	343.718	4921700 6380970	271.464 345.074	y	n
	8	18:46	0.803 y	337.978	4950720 6163220	229.545 271.997	y	n
	9	18:53	0.771 y	293.155	4197790 5442210	232.582 284.909	y	n
	10	19:05	0.756 y	374.603	5305250 7013030	301.352 396.866	y	n
	11	19:19	0.760 y	84.802	1204000 1584590	54.481 64.961	y	n
2,3,7,8-TCDF	12	19:31	0.760 y	626.003	8886710 11698500	423.059 530.643	y	n
	13	19:50	0.474 n	4.267	61046 128712	3.973 8.194	y	n
	14	20:00	0.746 y	80.688	1133220 1520080	60.452 81.070	y	n
	15	20:17	0.722 y	55.067	759198 1051600	29.667 37.954	y	n

3625.951

16	20:33	0.663	y	27.909	365841	18.855	y	n
					551913	23.510	y	n
17	20:54	0.897	n	1.630	27173	2.367	n	n
					30278	2.018	n	n
18	21:39	0.841	y	38.549	578915	28.999	y	n
					688699	33.199	y	n

Run Text: L7VDE-1-AA

Sample text: L7VDE-1-AA :G0J010524-3

Name: Total TCDD F:1 Mass: 319.897 321.894 Mod? no #Hom:15
 Run: 7 File: 12OC104D5 S:13 Acq:12-OCT-10 18:37:57
 Tables: Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5 Results: 12OC104D5

Amount: 168.299 of which 5.086 named and 163.213 unnamed
 Conc: 336.598 of which 10.172 named and 326.425 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	16:44	1.875 n	0.346	9186 4900	1.116 0.888	n	n
	2	17:03	1.363 n	0.591	11398 8364	1.318 1.204	n	n
	3	17:44	0.788 y	42.605	470350 597114	68.022 79.523	y	n
	4	18:05	0.746 y	121.349	1299330 1741060	174.576 242.639	y	n
	5	18:21	0.663 y	8.946	89346 134797	12.826 16.330	y	n
	6	19:00	0.688 y	48.559	495868 720766	51.025 80.151	y	n
	7	19:16	0.647 n	22.989	250575 387012	19.165 23.873	y	n
	8	19:43	0.699 y	13.879	143021 204723	17.647 24.631	y	n
	9	20:05	0.736 y	14.034	149074 202544	15.801 20.736	y	n
	10	20:12	0.677 y	33.446	338281 499708	34.950 49.351	y	n
2,3,7,8-TCDD	11	20:20	0.791 y	10.172	112535 142335	14.392 19.913	y	n
	12	20:33	0.981 n	6.655	92408 94210	11.076 9.920	y	n
	13	20:44	0.955 n	8.902	120377 126011	10.610 17.076	y	n
	14	21:00	0.551 n	2.042	22253 40352	3.316 4.564	y	n
	15	21:36	0.682 y	2.083	21157 31033	2.668 5.210	n	n

335,661

Run Text: L7VDE-1-AA

Sample text: L7VDE-1-AA :G0J010524-3

Name: Total F2 PeCDF F:2 Mass: 339.860 341.857 Mod? no #Hom:14
 Run: 7 File: 12OC104D5 S:13 Acq:12-OCT-10 18:37:57
 Tables: Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5 Results: 12OC104D7

Amount: 1535.218 of which 317.046 named and 1218.172 unnamed
 Conc: 3070.437 of which 634.093 named and 2436.344 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	23:34	1.504 y	190.331	3255450 2164850	69.634 76.779	y	n
	2	23:48	1.535 y	889.665	15342600 9993570	241.185 257.139	y	n
	3	24:06	1.572 y	130.780	2276530 1447870	38.232 40.759	y	n
	4	24:24	1.499 y	121.466	2074980 1384160	33.464 36.708	y	n
	5	24:52	1.585 y	427.101	7458520 4704590	95.421 98.677	y	n
	6	25:15	1.323 y	155.927	2529250 1911300	53.718 58.560	y	n
1,2,3,7,8-PeCDF	7	25:25	1.609 y	424.446	7563790 4700570	129.997 135.361	y	n
	8	25:45	1.558 y	91.695	1590490 1020840	26.343 27.678	y	n
	9	26:04	1.659 y	235.941	4192480 2526720	51.773 52.782	y	n
	10	26:22	0.638 n	1.869	32359 50689	1.141 2.219	n	n
2,3,4,7,8-PeCDF	11	27:00	1.537 y	209.646	3563900 2319130	52.338 57.667	y	n
	12	27:24	1.520 y	112.706	1935840 1273830	22.237 25.503	y	n
	13	28:00	1.451 y	36.741	619412 426907	9.393 10.707	y	n
	14	29:23	1.378 y	42.123	695036 504548	8.461 10.609	y	n

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Run Text: L7VDE-1-AA

Sample text: L7VDE-1-AA :G0J010524-3

Name: Total F1 PeCDF F:1 Mass: 339.860 341.857 Mod? no #Hom:5
 Run: 7 File: 12OC104D5 S:13 Acq:12-OCT-10 18:37:57
 Tables: Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5 Results: 12OC104D7

Amount: 82.145 of which * named and 82.145 unnamed
 Conc: 164.289 of which * named and 164.289 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	17:02	0.658 n	0.557	9646 14656	1.690 1.913	n	n
	2	20:09	0.900 n	1.371	23734 26372	3.052 1.732	y	n
	3	21:59	1.583 y	159.492	2783530 1758530	316.474 115.364	y	n
	4	22:21	1.922 n	1.700	36490 18982	5.774 2.016	y	n
	5	22:30	1.680 y	1.169	20878 12427	2.668 1.320	n	n

Run Text: L7VDE-1-AA

Sample text: L7VDE-1-AA :G0J010524-3

Name: Total PeCDD F:2 Mass: 355.855 357.852 Mod? no #Hom:13
 Run: 7 File: 12OC104D5 S:13 Acq:12-OCT-10 18:37:57
 Tables: Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5 Results: 12OC104D7

Amount: 165.682 of which 15.880 named and 149.802 unnamed
 Conc: 331.365 of which 31.760 named and 299.605 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	24:01	1.477 y	77.229	791128 535739	71.591 68.330	y	n
	2	24:54	1.869 n	3.799	47838 25596	4.597 3.812	y	n
	3	25:06	0.568 n	0.512	5349 9425	1.123 1.484	n	n
	4	25:25	1.398 y	74.336	744492 532661	66.470 62.117	y	n
	5	25:42	1.344 y	12.687	124988 92993	10.516 11.213	y	n
	6	26:05	1.402 y	76.557	767700	60.504	y	n

322.15

					547620	66.834	y	n	
	7	26:26	1.555	y	8.758	91584	6.466	y	n
						58886	7.115	y	n
	8	26:40	0.991	n	5.880	61402	5.646	y	n
						61952	6.075	y	n
	9	27:07	1.704	y	15.577	168673	10.418	y	n
						98961	13.754	y	n
	10	27:24	0.681	n	4.899	51161	7.901	y	n
						75152	5.685	y	n
1,2,3,7,8-PeCDD	11	27:52	1.531	y	31.760	330111	26.013	y	n
						215550	21.855	y	n
	12	28:13	1.631	y	10.375	110505	7.153	y	n
						67746	7.141	y	n
	13	29:06	1.606	y	8.996	95238	6.459	y	n
						59314	5.683	y	n

Run Text: L7VDE-1-AA

Sample text: L7VDE-1-AA :G0J010524-3

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? no #Hom:12
Run: 7 File: 12OC104D5 S:13 Acq:12-OCT-10 18:37:57
Tables: Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5 Results: 12OC104D7

Amount: 2130.691 of which 1048.718 named and 1081.973 unnamed
Conc: 4261.382 of which 2097.436 named and 2163.946 unnamed

Table with columns: Name, #, R.T., Ratio, Conc., Area, S/N, >?, Mod?. Contains 12 rows of data for various HxCDF and HxCDD samples.

See page 6A

Run Text: L7VDE-1-AA

Sample text: L7VDE-1-AA :G0J010524-3

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? no #Hom:9
Run: 7 File: 12OC104D5 S:13 Acq:12-OCT-10 18:37:57
Tables: Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5 Results: 12OC104D7

Amount: 145.916 of which 49.271 named and 96.645 unnamed

Run Text: L7VDE-1-AA

Sample text: L7VDE-1-AA :G0J010524-3

Name: Total HxCDF F:3 Mass: 373.821 375.818 Mod? yes #Hom:15
 Run: 7 File: 12OC104D5 S:13 Acq:12-OCT-10 18:37:57
 Tables: Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5 Results: 12oc104d7

Amount: 2127.826 of which 805.049 named and 1322.778 unnamed
 Conc: 4255.653 of which 1610.097 named and 2645.556 unnamed

60

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	30:48	1.660 n	3.300	47612 28675	1.192 0.953	n	n
	2	31:07	1.154 y	515.547	5376990 4658790	144.221 137.950	y	n
	3	31:20	1.143 y	874.340	9078580 7941570	239.109 240.792	y	n
	4	31:32	1.224 y	59.134	633490 517631	17.562 15.079	y	n
	5	31:43	1.166 y	154.016	1613730 1384390	42.362 43.854	y	n
	6	31:55	1.050 n	108.338	1167450 1111690	35.588 38.126	y	n
	7	32:18	1.123 y	157.561	1622190 1444940	155.660 103.606	y	y
1,2,3,4,7,8-HxCDF	8	32:21	1.159 y	797.212	8395780 7246670	289.640 287.024	y	y
1,2,3,6,7,8-HxCDF	9	32:27	1.139 y	574.949	6324780 5553350	209.041 211.651	y	y
	10	32:33	1.186 y	229.989	2429290 2047750	72.832 72.133	y	y
	11	32:46	1.194 y	218.841	2317980 1942040	51.702 52.354	y	n
	12	32:56	1.120 y	204.418	2101850 1877420	74.423 75.721	y	y
2,3,4,6,7,8-HxCDF	13	32:57	1.188 y	121.429	1310860 1103430	61.663 60.136	y	y
1,2,3,7,8,9-HxCDF	14	33:37	1.162 y	116.506	1108410 953990	41.497 40.617	y	y
	15	33:40	1.174 y	120.072	1262370 1074990	45.452 47.557	y	y

4252.353

Conc: 291.832 of which 98.542 named and 193.290 unnamed

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	31:50	1.129 y	21.001	185756 164587	42.018 23.902	y y	n n
	2	32:21	1.302 y	92.781	875425 672396	223.126 97.268	y y	n n
	3	32:35	1.273 y	71.712	670064 526266	164.925 74.719	y y	n n
	4	32:43	1.498 n	5.979	66717 44531	18.615 5.678	y y	n n
	5	32:52	2.124 n	0.670	10605 4992	3.132 1.156	y n	n n
1,2,3,6,7,8-HxCDD	6	33:11	1.204 y	56.560	531701 441632	102.521 45.562	y y	n n
1,2,3,7,8,9-HxCDD	7	33:26	1.270 y	41.981	410729 323475	103.813 41.114	y y	n n
	8	33:35	7.074 n	0.791	41699 5895	7.046 1.294	y n	n n
	9	33:56	0.591 n	0.355	3281 5547	1.173 1.378	n n	n n

See page 71A

Run Text: L7VDE-1-AA

Sample text: L7VDE-1-AA :G0J010524-3

Name: Total HxCDD F:3 Mass: 389.816 391.813 Mod? yes #Hom:11
 Run: 7 File: 12OC104D5 S:13 Acq:12-OCT-10 18:37:57
 Tables: Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5 Results: 12oc104d7

Amount: 147.372 of which 45.326 named and 102.046 unnamed
 Conc: 294.744 of which 90.652 named and 204.092 unnamed

7A

Name	#	R.T.	Ratio	Conc.	Area	S/N	>?	Mod?
	1	31:50	1.129 y	21.000	185748 164588	42.017 23.902	y y	y n
	2	32:21	1.302 y	92.776	875333 672396	223.118 97.268	y y	y n
	3	32:35	1.273 y	71.708	670001 526266	164.918 74.719	y y	y n
	4	32:43	1.497 n	5.979	66681 44531	18.609 5.678	y y	y n
	5	32:52	2.120 n	0.670	10581 4992	3.127 1.156	y n	y n
1,2,3,4,7,8-HxCDD	6	33:06	1.168 y	23.732	196217 168059	55.187 26.142	y y	y y
1,2,3,6,7,8-HxCDD	7	33:11	1.232 y	35.312	335398 272276	102.509 45.565	y y	y y
	8	33:23	1.141 y	10.812	96119 84248	41.702 21.631	y y	y y
1,2,3,7,8,9-HxCDD	9	33:26	1.318 y	31.608	314366 238430	103.802 41.117	y y	y y
	10	33:35	7.072 n	0.791	41687 5895	7.045 1.294	y n	y n
	11	33:56	0.591 n	0.355	3280 5547	1.172 1.378	n n	y n

292.928

Run Text: L7VDE-1-AA

Sample text: L7VDE-1-AA :G0J010524-3

Name: Total HpCDF F:4 Mass: 407.782 409.779 Mod? no #Hom:5
Run: 7 File: 12OC104D5 S:13 Acq:12-OCT-10 18:37:57
Tables: Run: 12OC104D5 Analyte: T09 Cal: T090721104D5 Results: 12OC104D7

Amount: 2465.323 of which 1700.288 named and 765.035 unnamed
Conc: 4930.645 of which 3400.575 named and 1530.070 unnamed

Table with 8 columns: Name, #, R.T., Ratio, Conc., Area, S/N, >? Mod?. Rows include 1,2,3,4,6,7,8-HpCDF and 1,2,3,4,7,8,9-HpCDF with various numerical values and flags.

Handwritten note: 4928.17

Run Text: L7VDE-1-AA

Sample text: L7VDE-1-AA :G0J010524-3

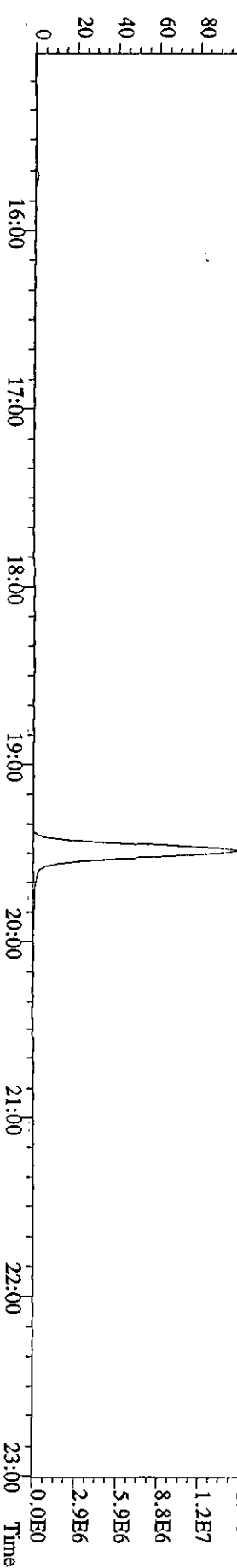
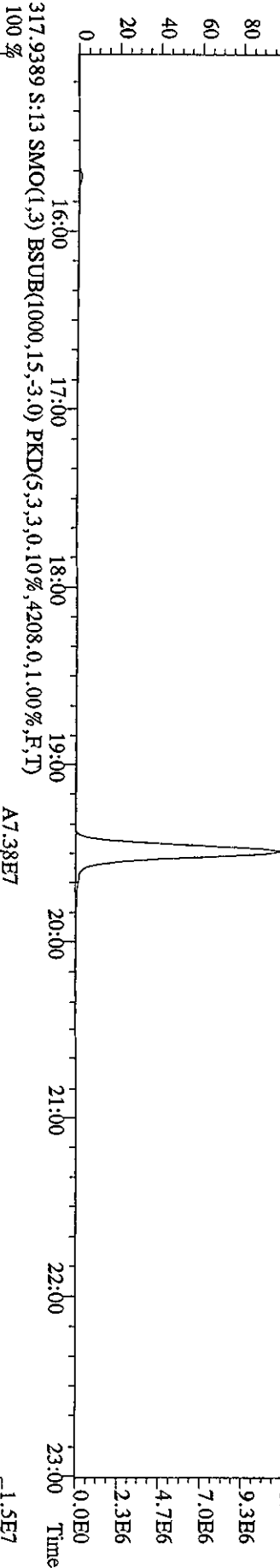
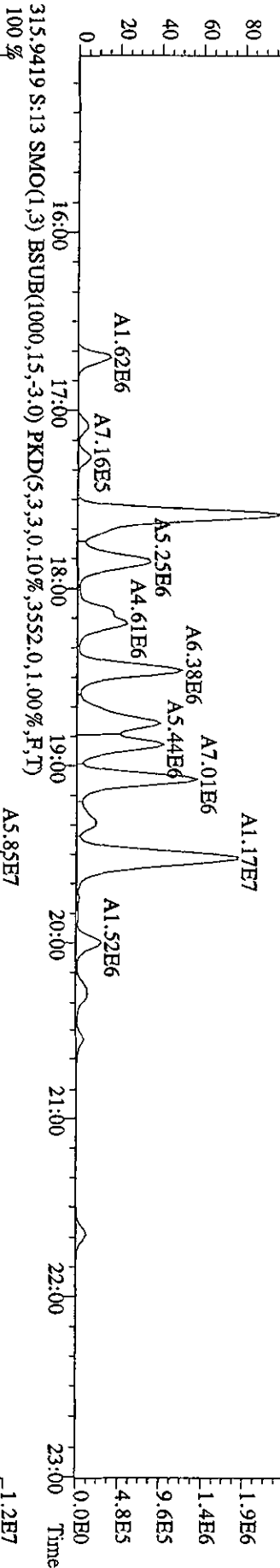
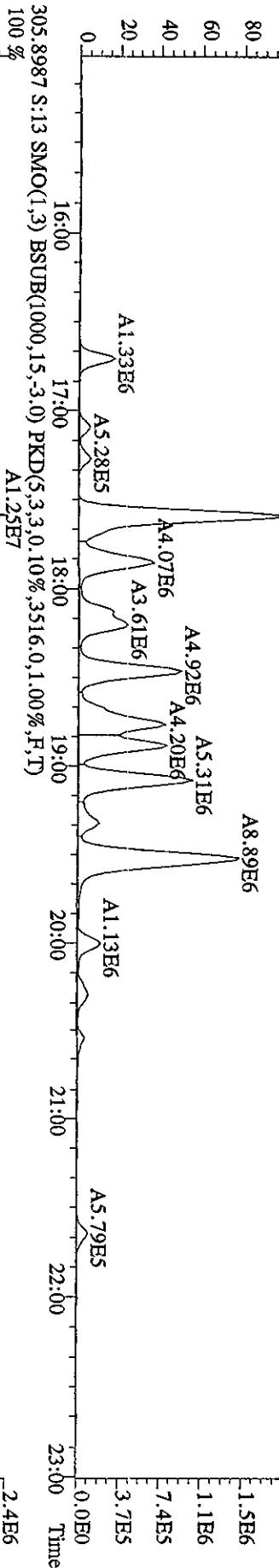
Name: Total HpCDD F:4 Mass: 423.777 425.774 Mod? no #Hom:3
Run: 7 File: 12OC104D5 S:13 Acq:12-OCT-10 18:37:57
Tables: Run: 12OC104D5 Analyte: T09 Cal: T090721104D5 Results: 12OC104D7

Amount: 117.980 of which 74.644 named and 43.336 unnamed
Conc: 235.960 of which 149.289 named and 86.671 unnamed

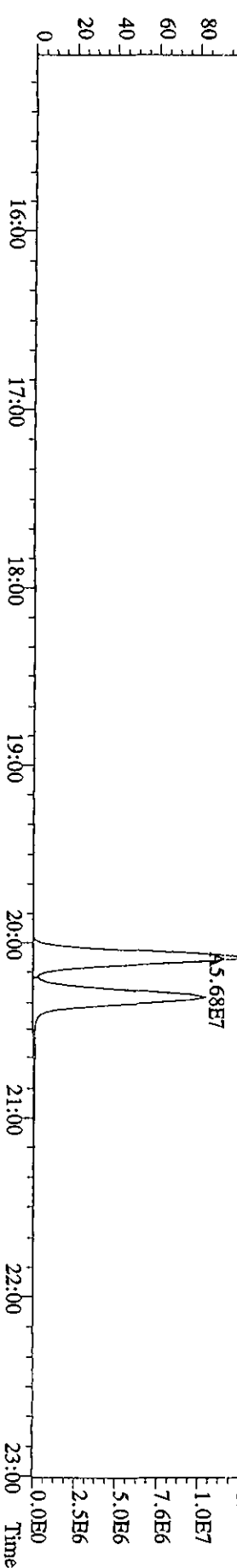
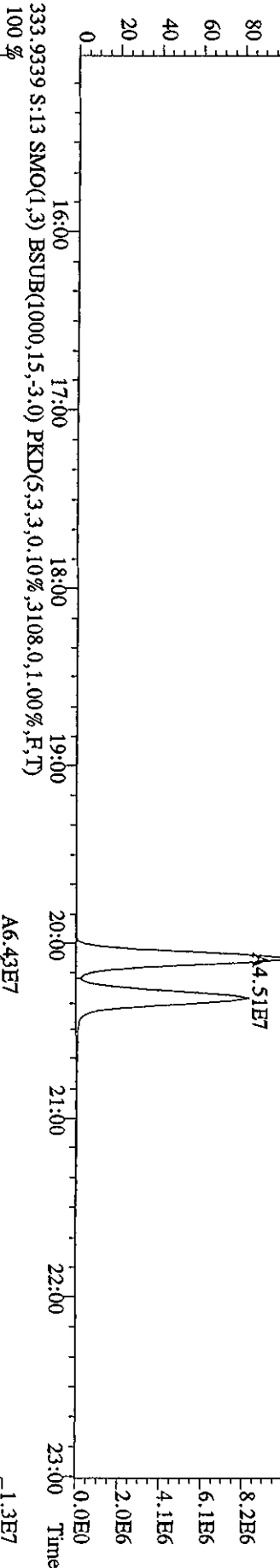
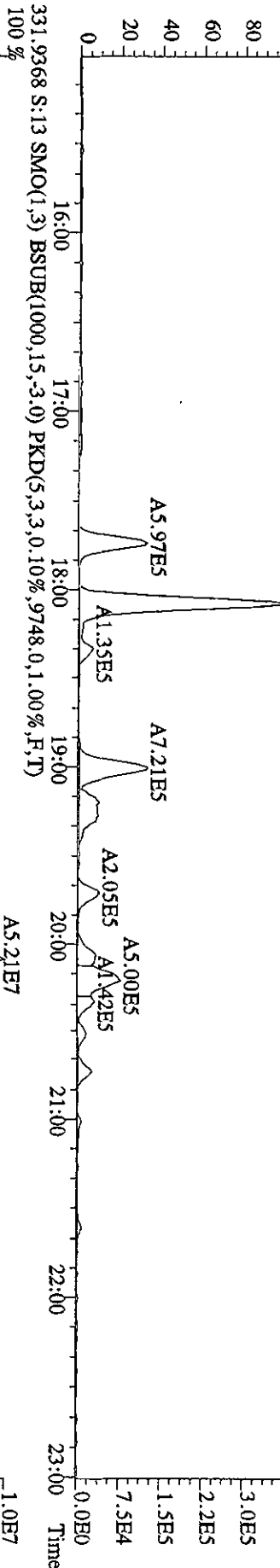
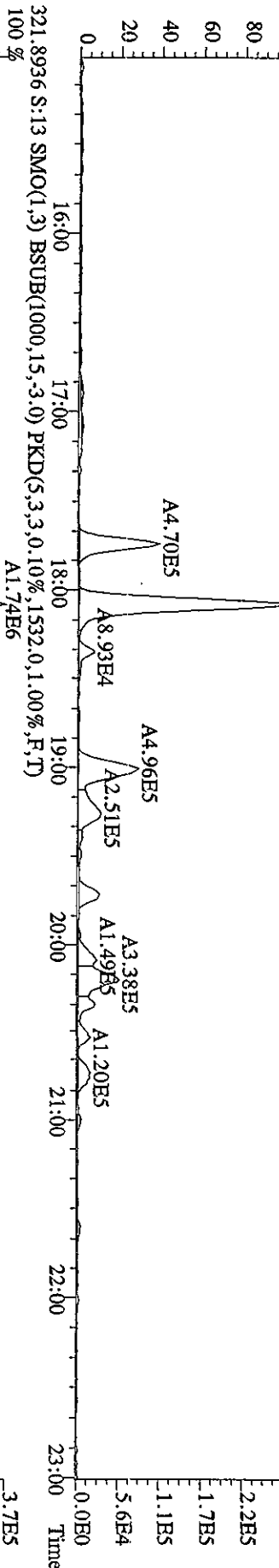
Table with 8 columns: Name, #, R.T., Ratio, Conc., Area, S/N, >? Mod?. Rows include 1,2,3,4,6,7,8-HpCDD and 1,2,3,4,7,8-HpCDD with various numerical values and flags.

Handwritten note: 235.023

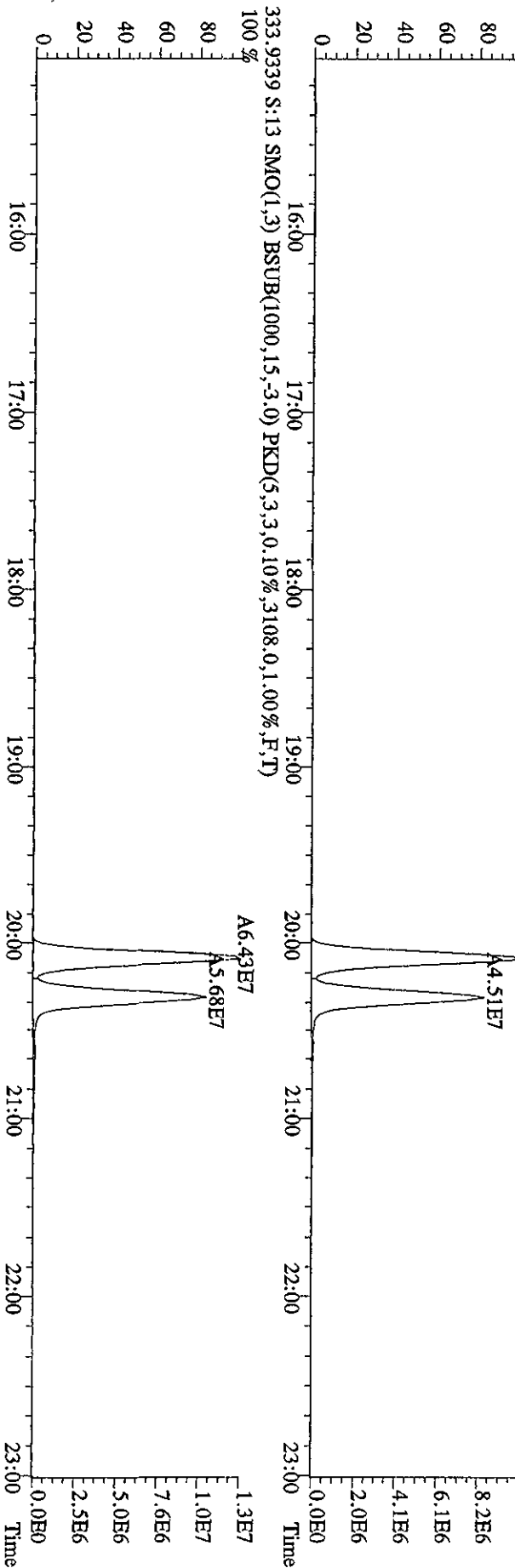
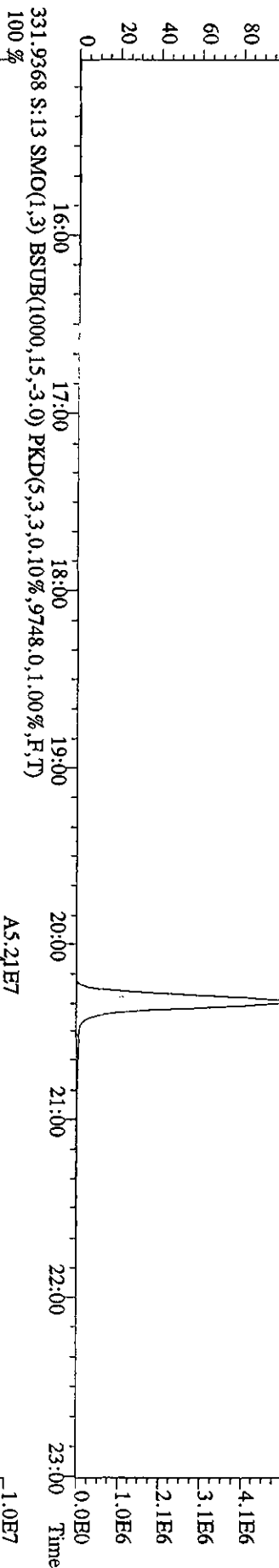
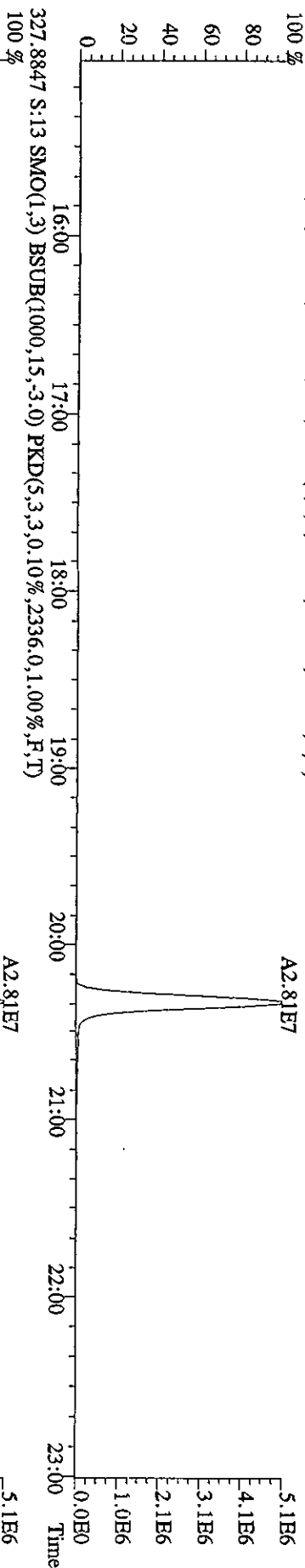
File:120C104D5 #1-530 Acq:12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text:LTVDE-1-AA :G01010524-3 Exp:DIOXINRES
 303.9016 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3396,0,1.00%,F,T) A9.41E6
 100%



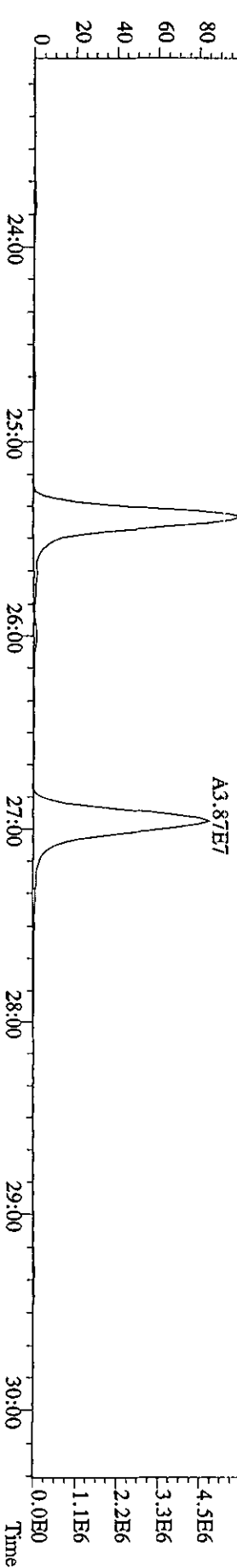
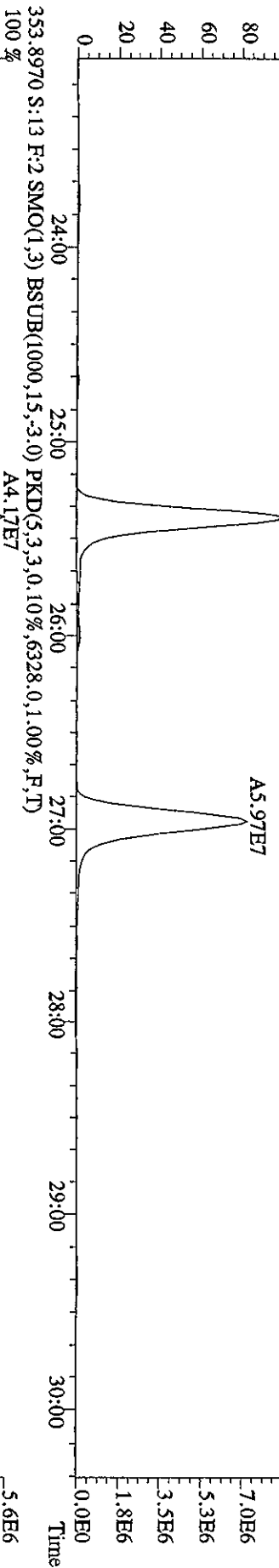
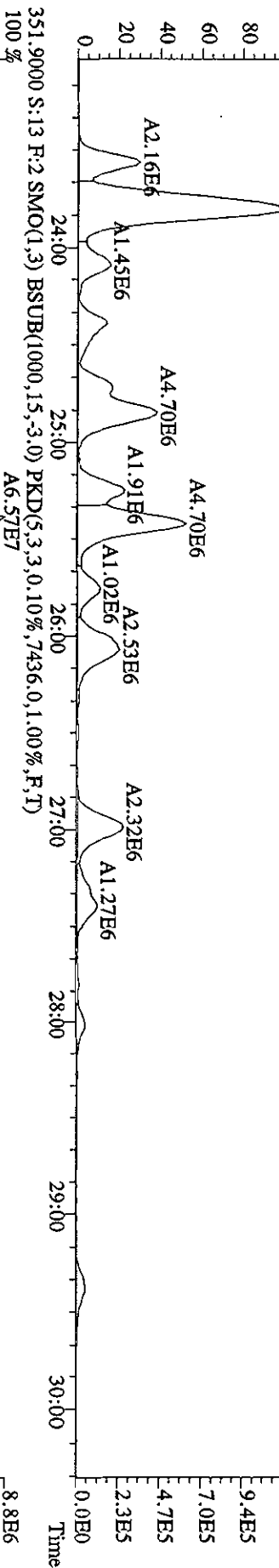
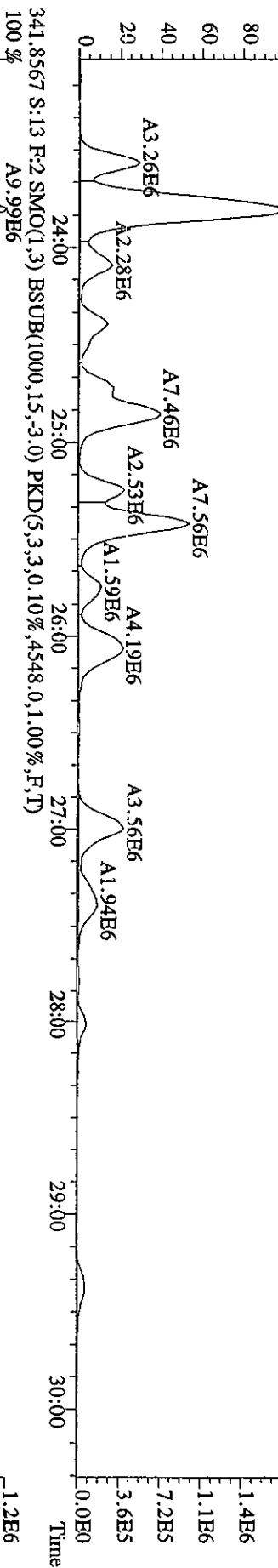
File:120C104D5 #1-530 Acq:12-OCT-2010 18:37:57 GC EI + Voltage SIR Autospec-UltimaB
 Sample#13 Text:LT/VE-1-AA :G01010524-3 Exp:DIOXINRES
 319.8965 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1588,0,1.00%,F,T) A1.30E6



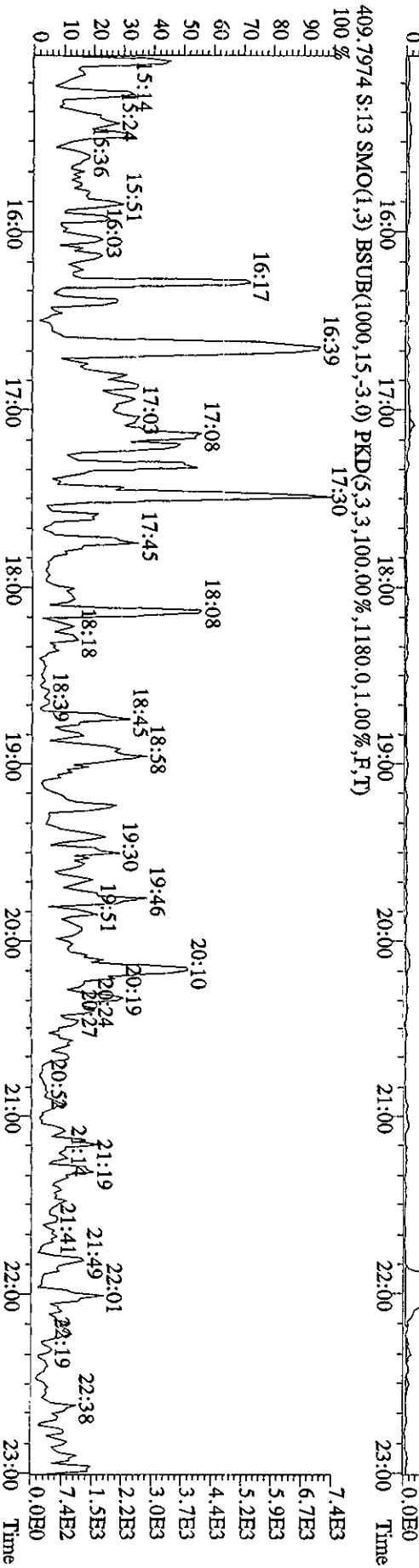
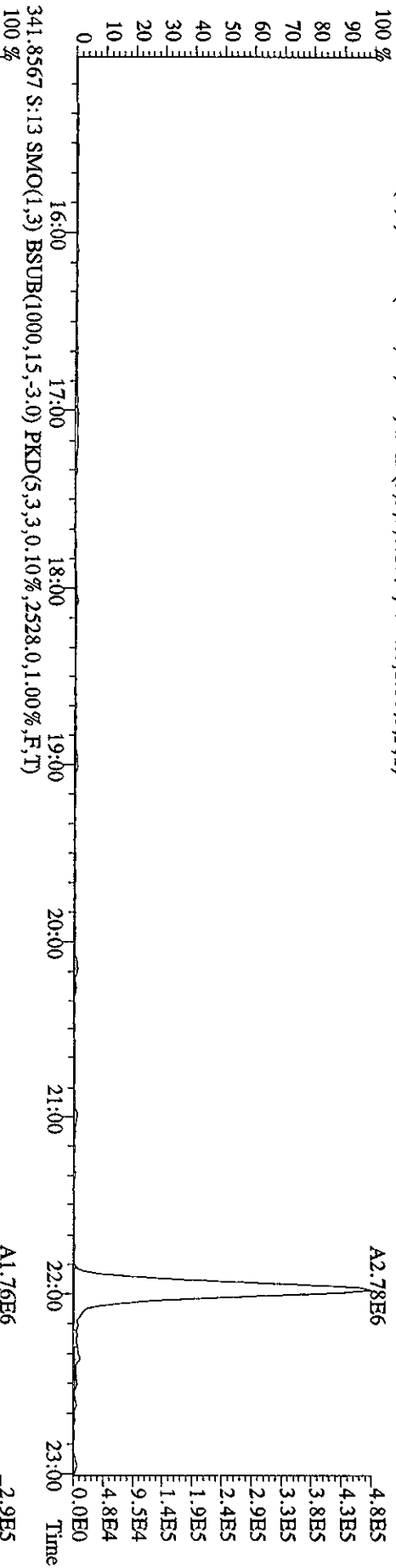
File:12OC104D5 #1-530 Acq:12-OCT-2010 18:37:57 GC BI + Voltage SIR Autospec-UltimaE
 Sample#13 Text:LTVDE-1-AA :G0I010524-3 Exp:DIOXINRES
 327.8847 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2336.0,1.00%,F,T)
 100 %



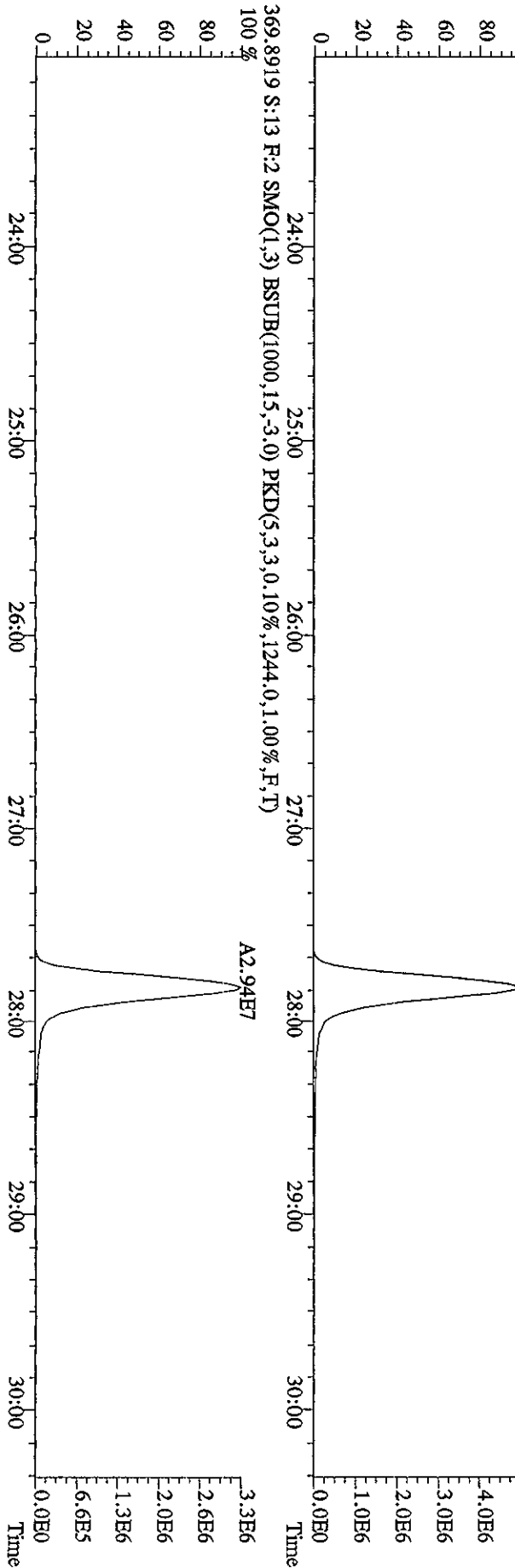
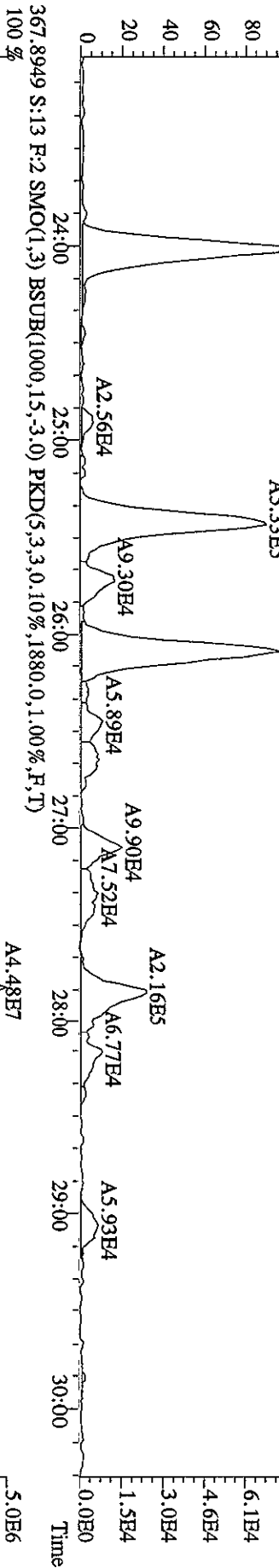
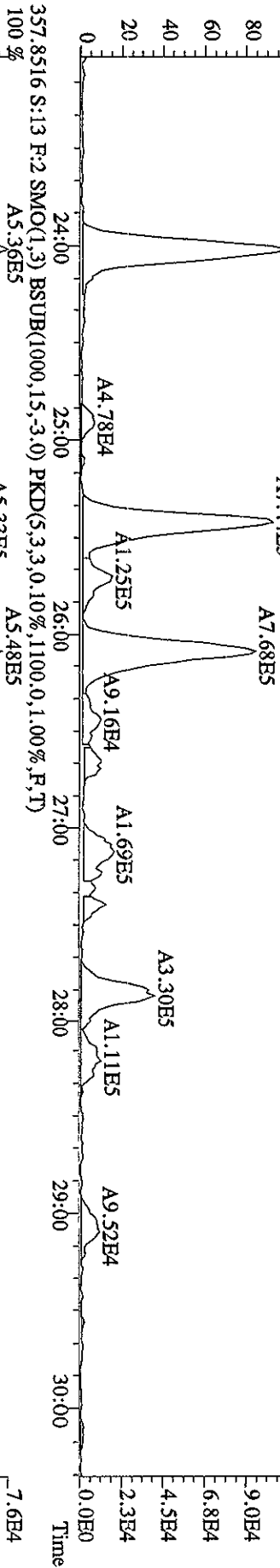
File:12OC104D5 #1-470 Acq:12-OCT-2010 18:37:57 GC BF+ Volage SIR Autospec-UltimaE
 Sample#13 Text:L7VDE-1-AA :G0I010524-3 Exp:DIOXINRES
 339.8597 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7436,0,1,00%,F,T)
 100 % A1.53E7



File:12OC104D5 #1-530 Acq:12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text:L7VDE-1-AA :G01010524-3 Exp:DIOXINES
 339.8597 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1504.0,1.00%,F,T)

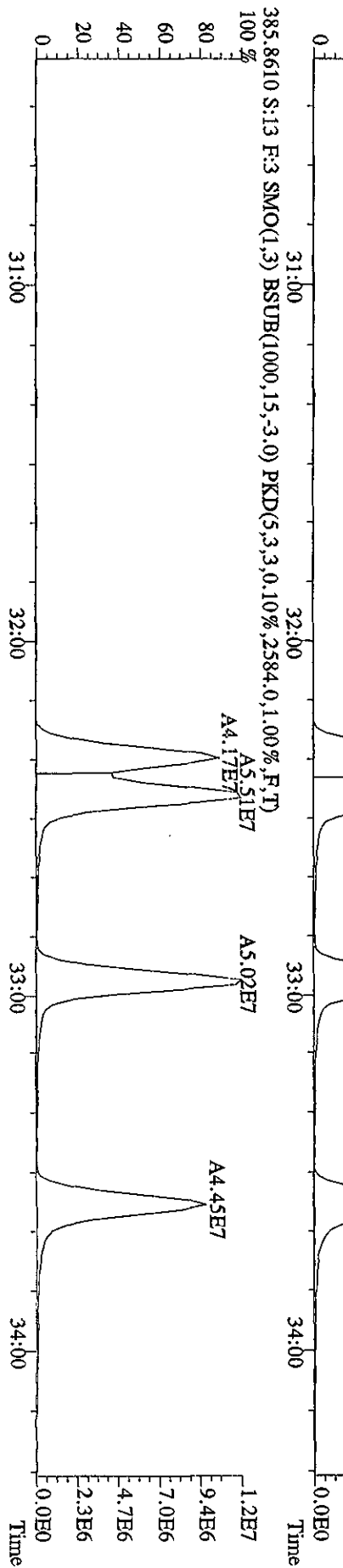
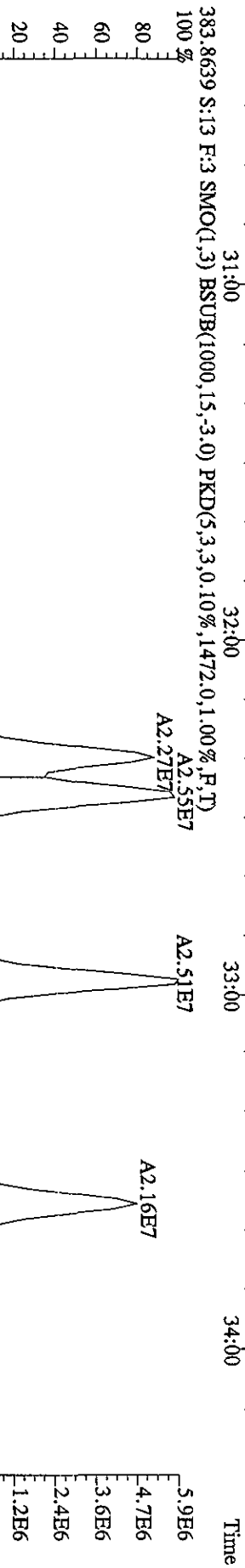
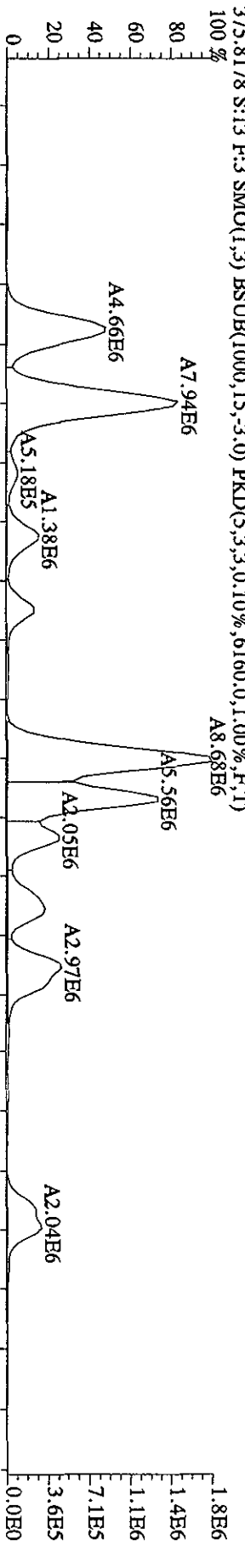
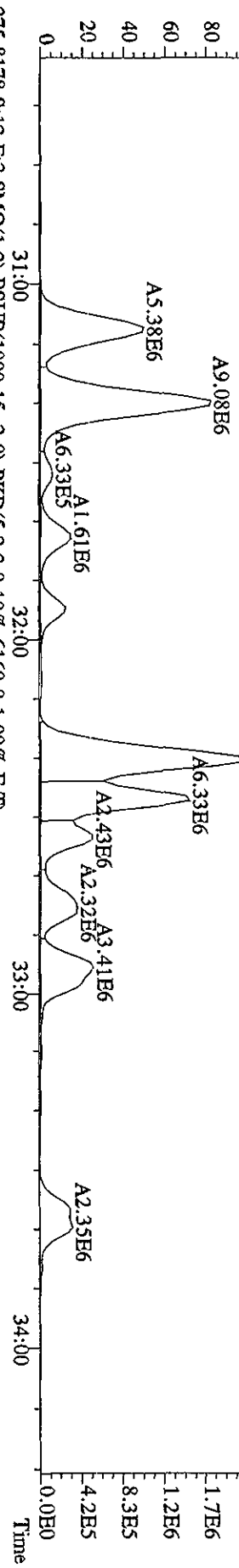


File:120C104D5 #1-470 Acq:12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-UltraB
 Sample#13 Text:L/VDE-1-AA :G01010524-3 Exp:DIOXINRES
 355.8546 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1556,0,1,00%,F,T)
 100%



File:12OCC104D5 #1-287 Acq:12-OCT-2010 18:37:57 GC BI+ Voltage SIR Autospec-UltimaE
 Exp:DIOXINES

Sample#13 Text:LTVDE-1-AA :G01010524-3
 373.8208 S:13 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7136,0,1,00%,F,T)



File: 120C104D5 #1-287 Acq: 12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 Text: L7VDE-1-AA : G0J010524-3 Exp: DIOXINRES
 373.8208 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7136.0,1.00%,F,T)

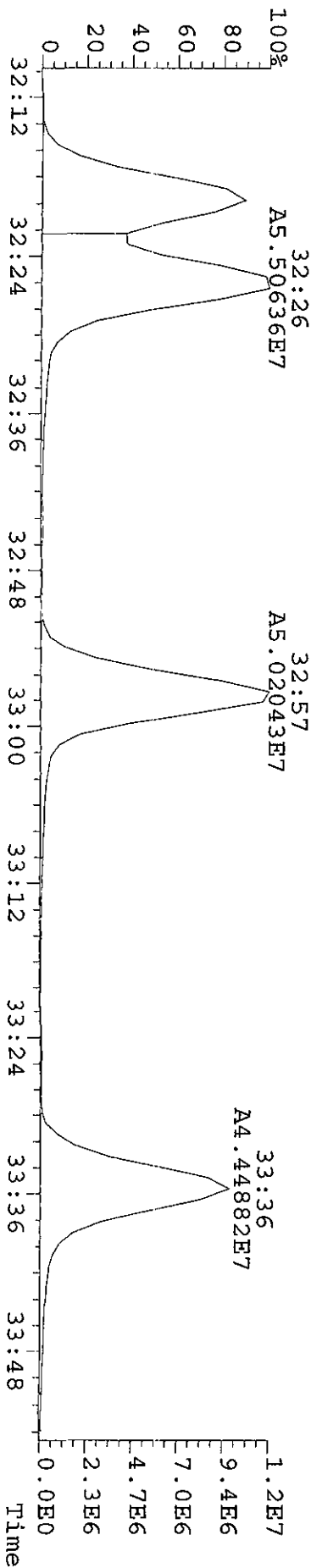
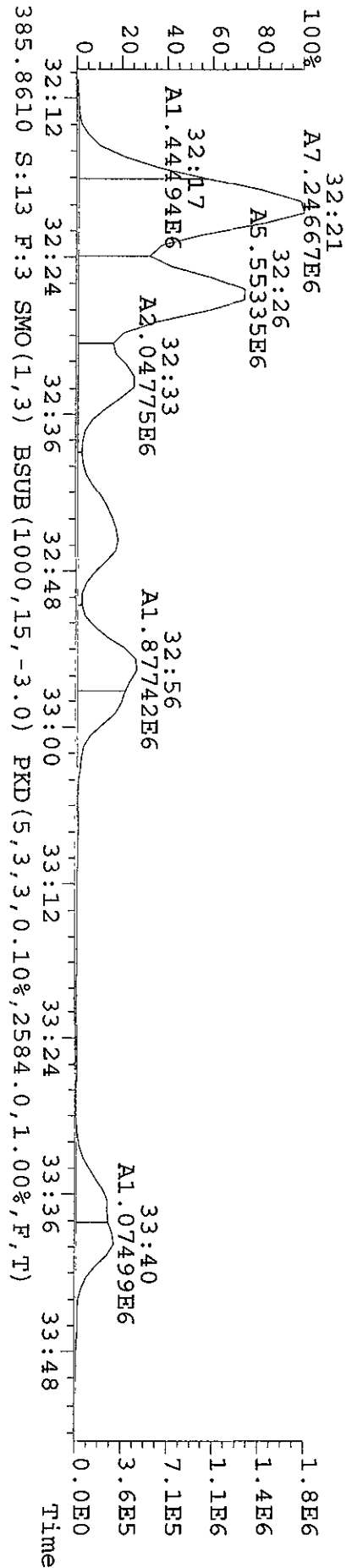
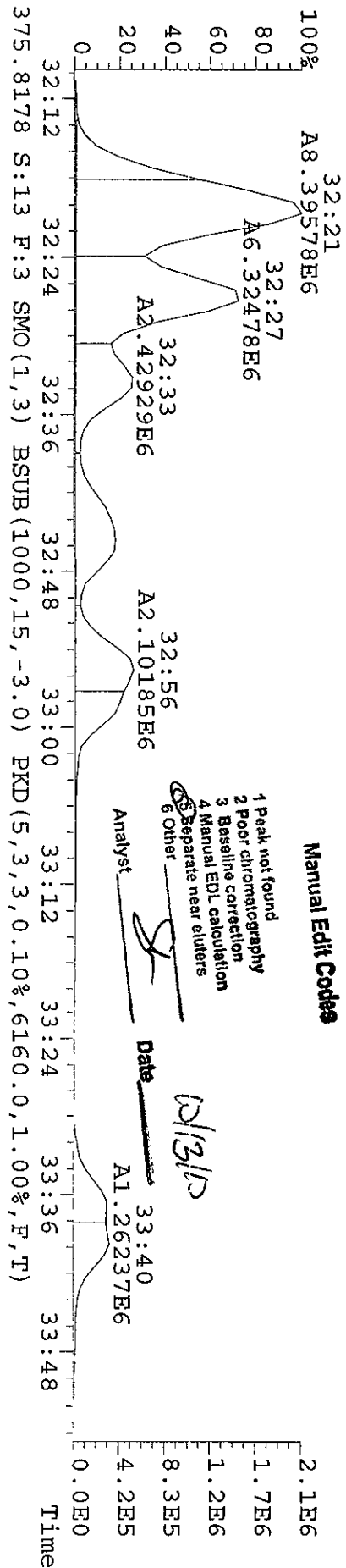
Manual Edit Codes

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

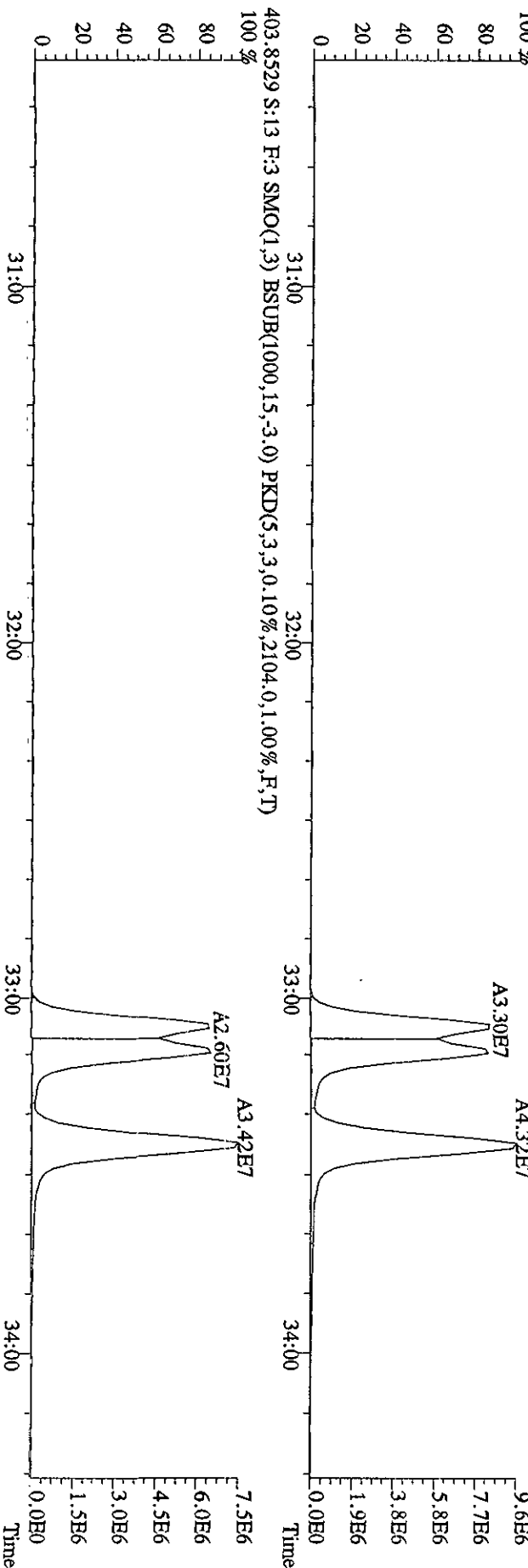
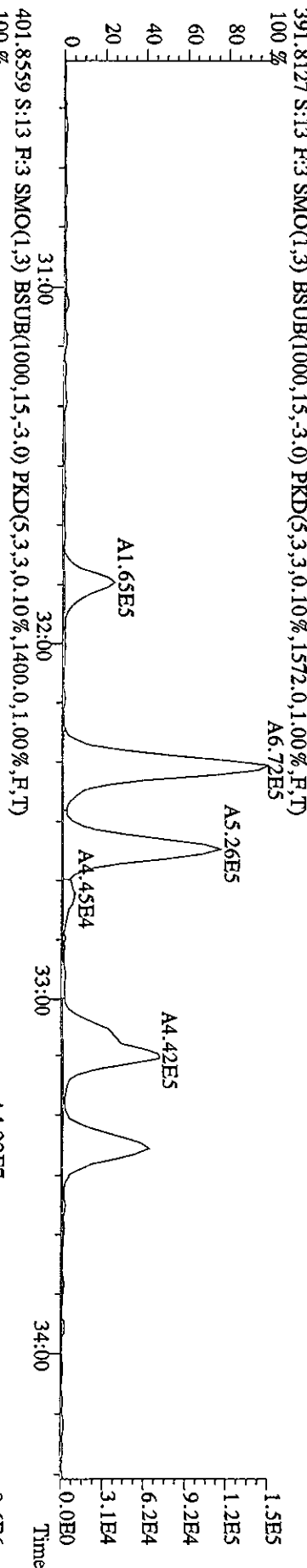
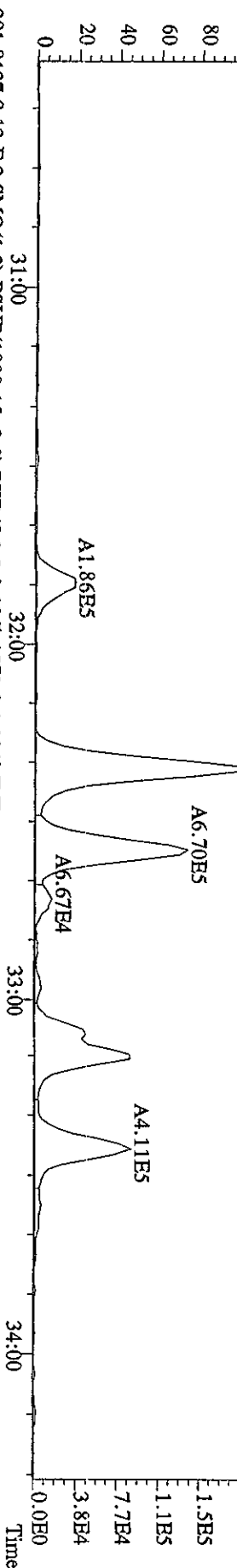
Analyst *S*

Date *12/31/10*

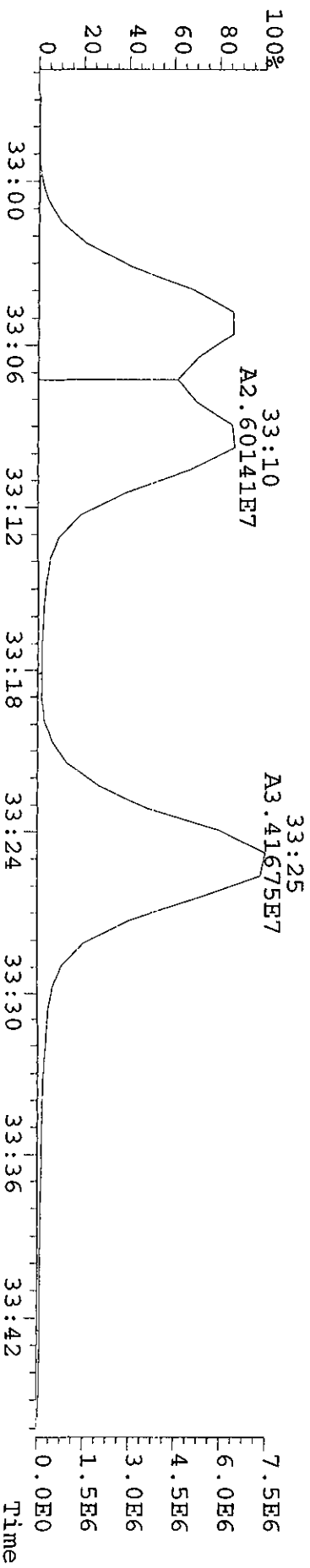
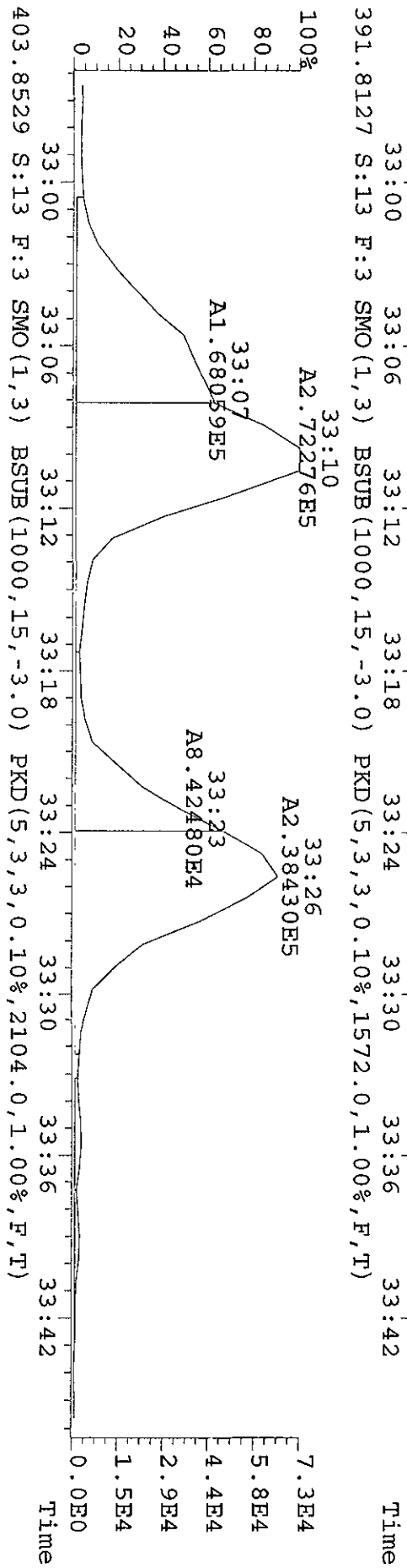
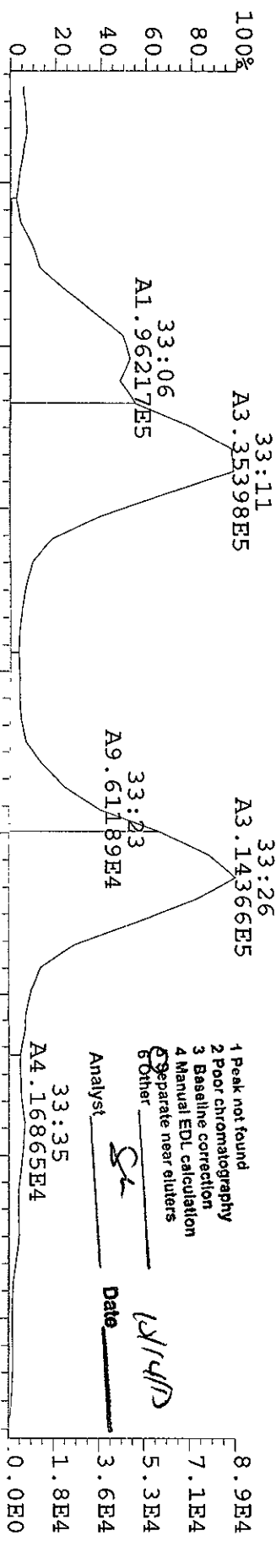
A1.26237E6



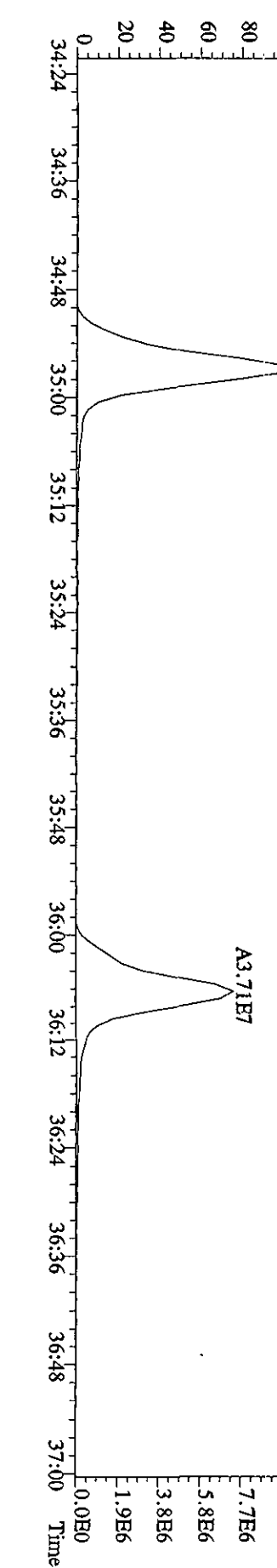
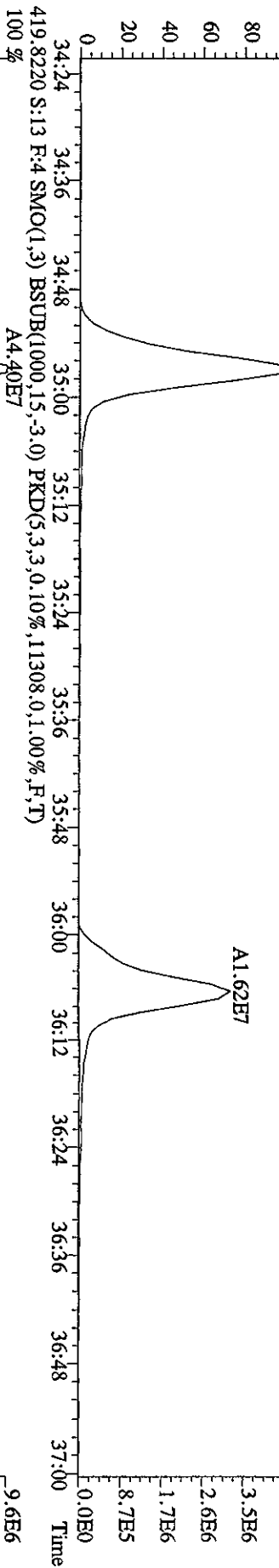
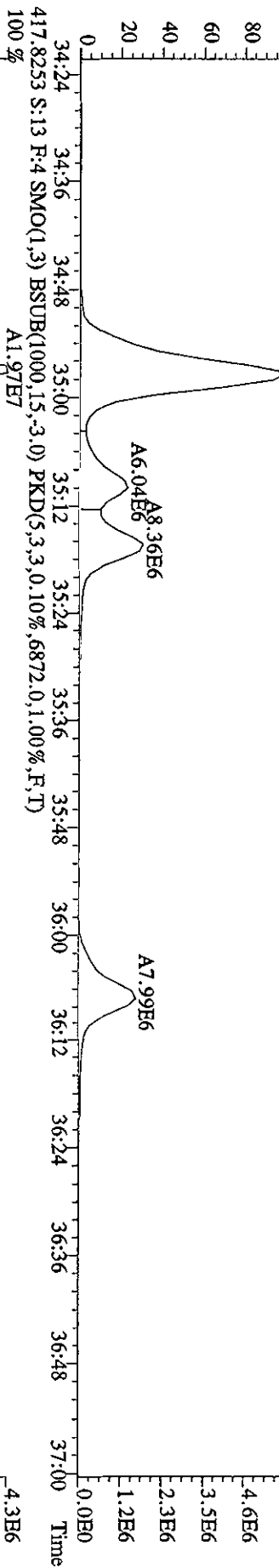
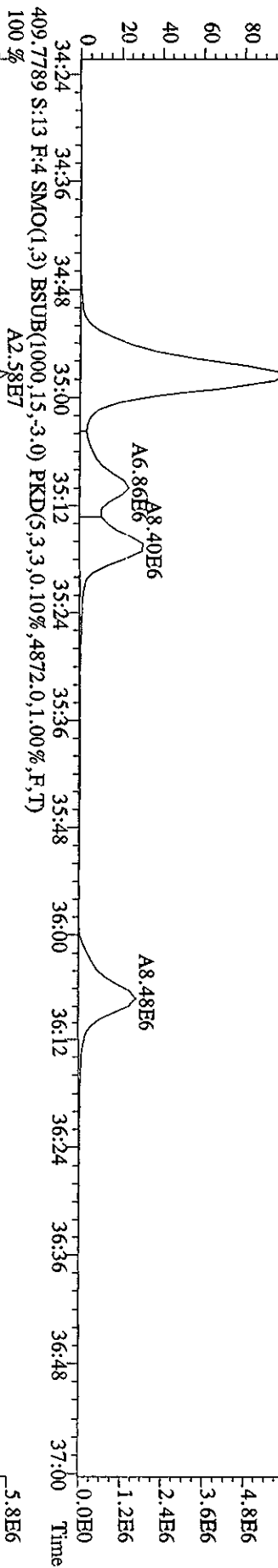
File:120C104D5 #1-287 Acq:12-OCT-2010 18:37:57 GC EI+ Voltage STR Autospec-Ultimate
 Sample#13 Text:L7YDE-1-AA :G0I010524-3 Exp:DIOXINRES
 389.8157 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,844.0,1.00%,F,T)
 100%



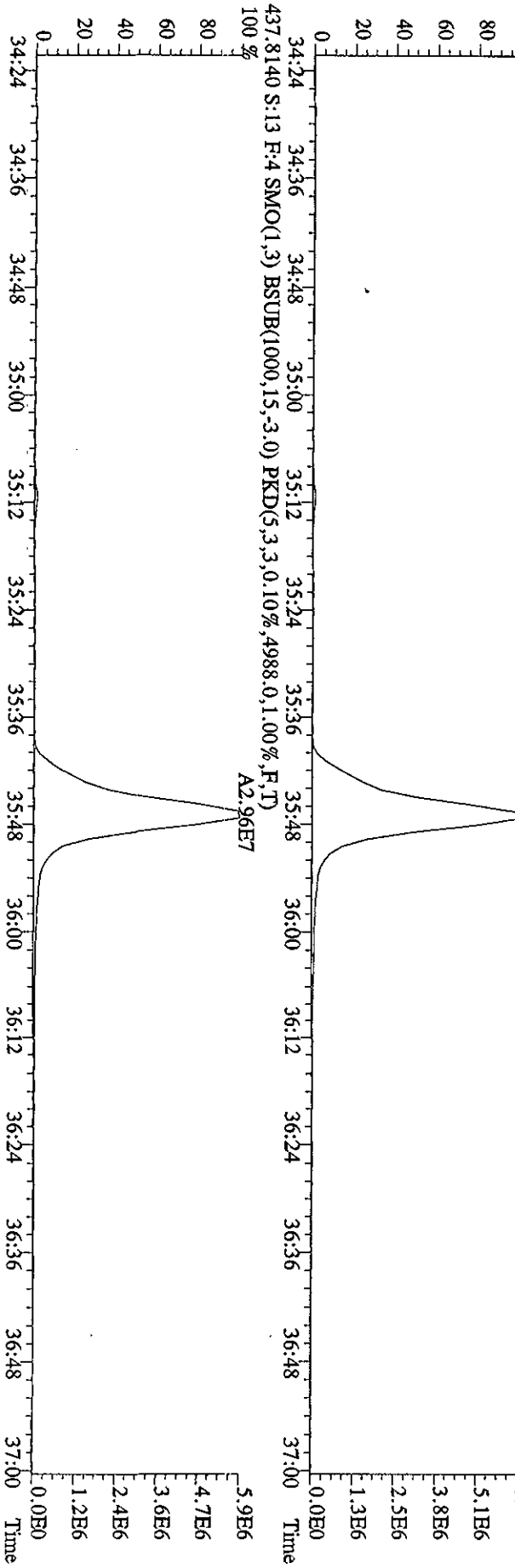
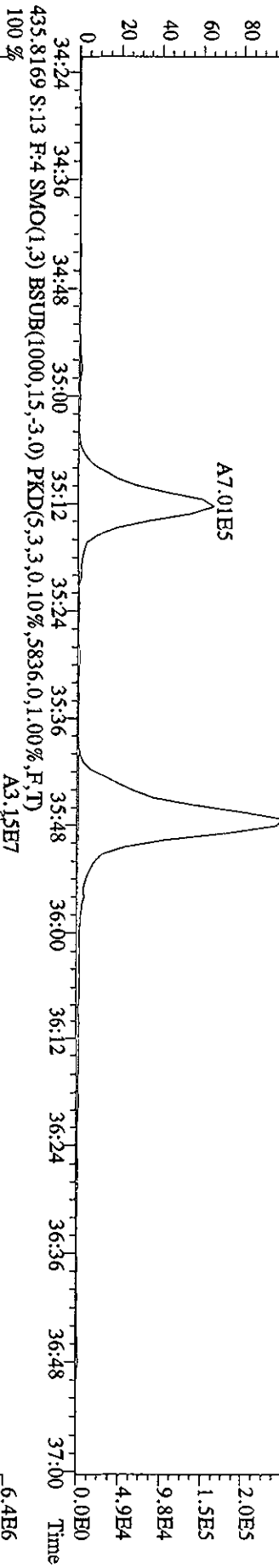
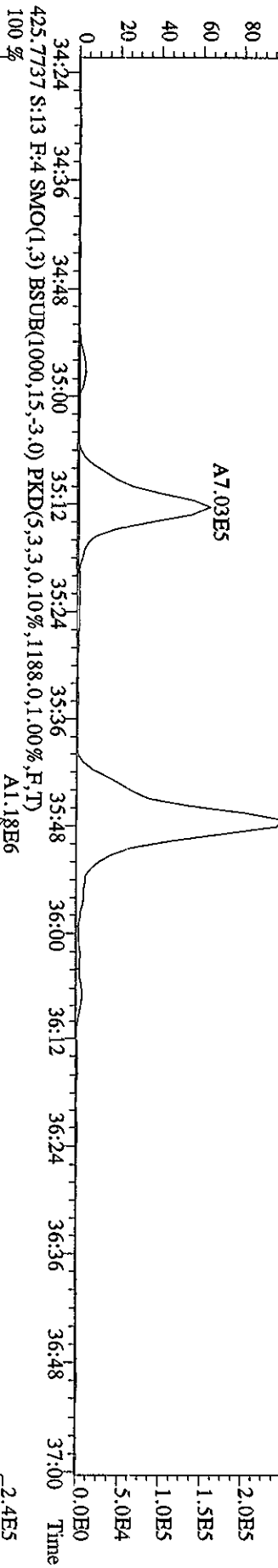
File: 120C104D5 #1-287 Acq: 12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text: L7VDE-1-AA : G0J010524-3 Exp: DIOXINRES
 389.8157 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,844.0) Manual Peak Codes



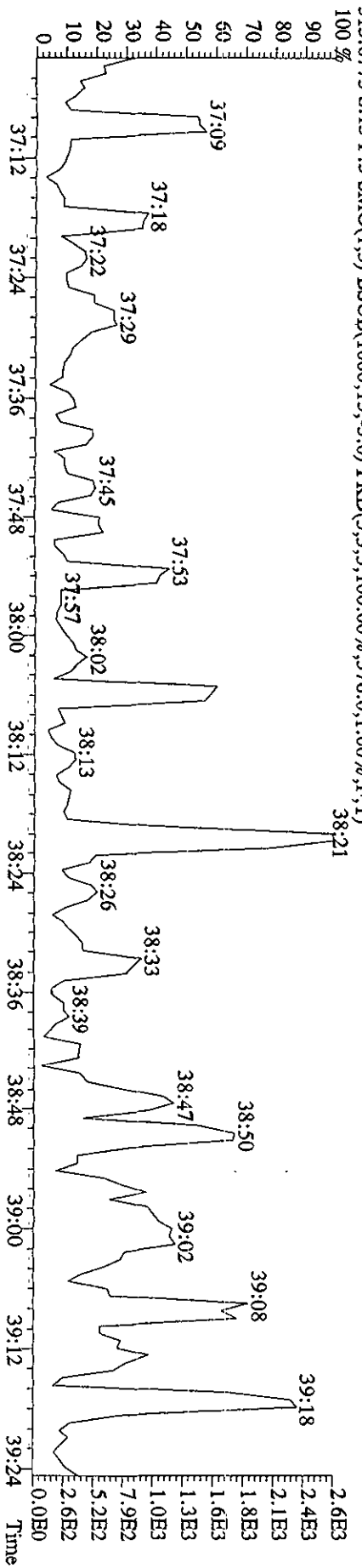
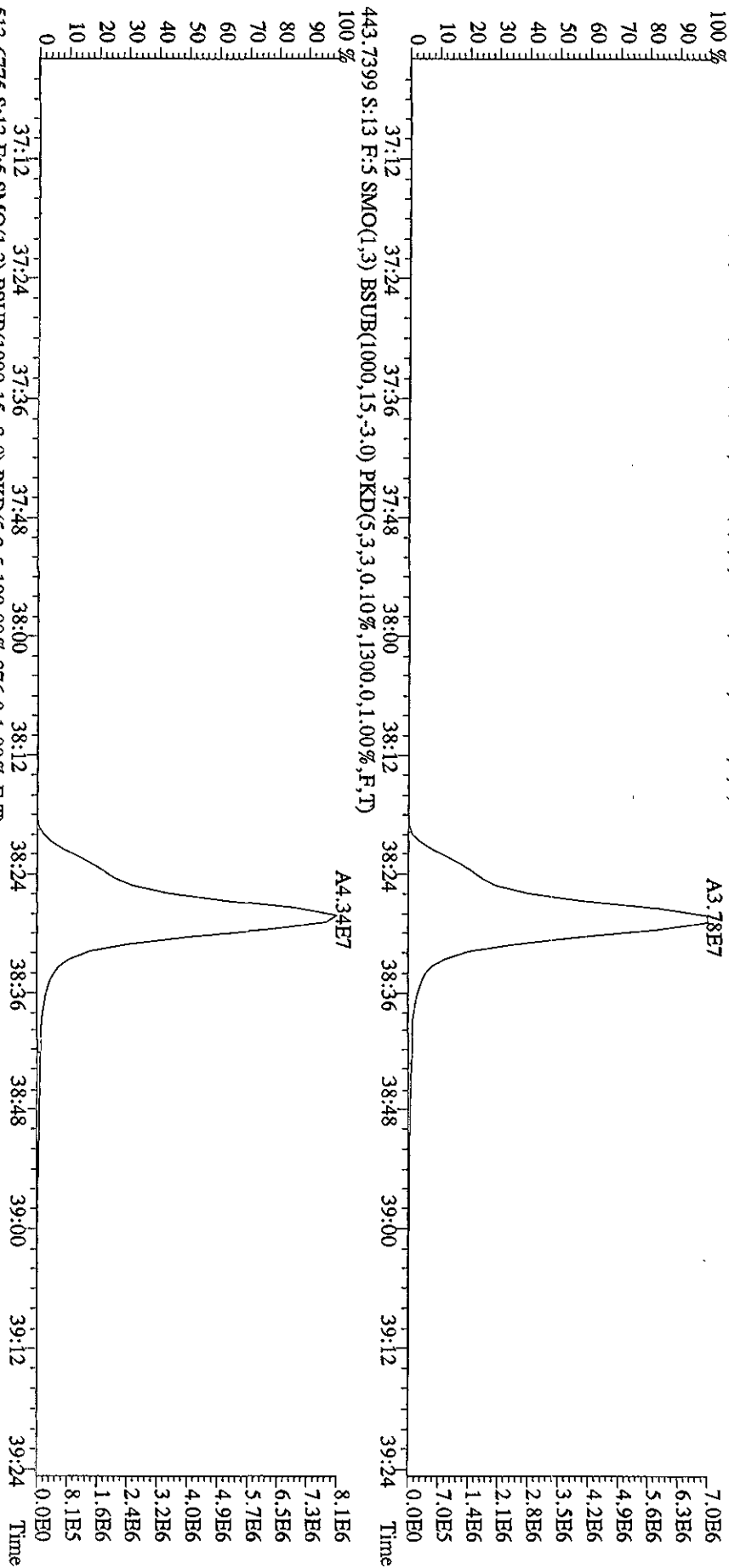
File: 120C104D5 #1-200 Acq: 12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text: LTVDE-1-AA : G01010524-3 Exp: DIOXINRES
 407.7818 S:13 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9012,0,1,00%,F,T)
 100 % A2.69E7



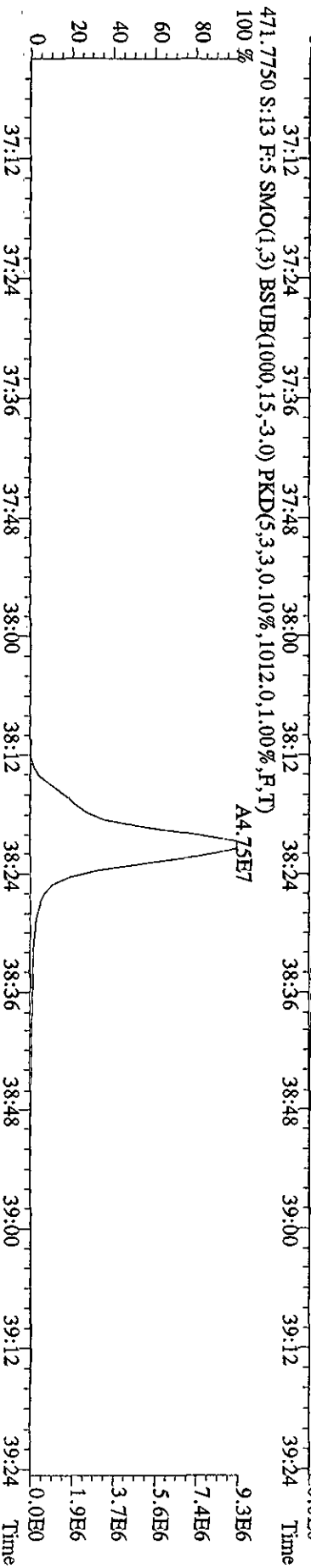
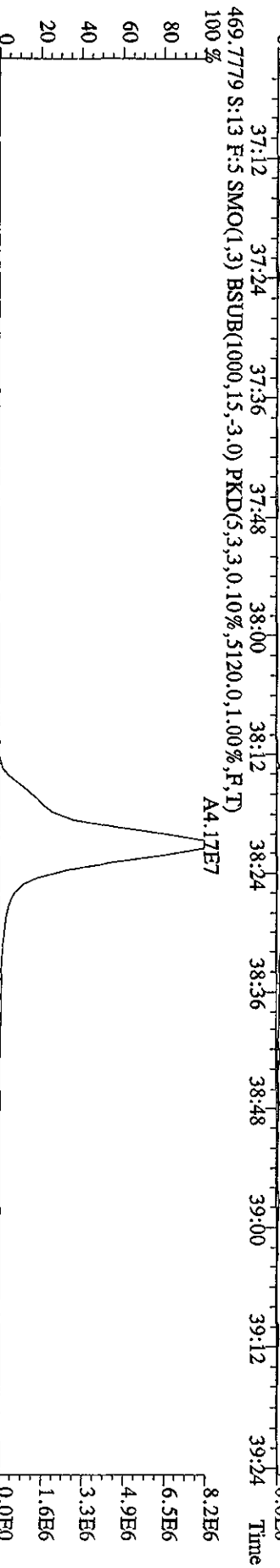
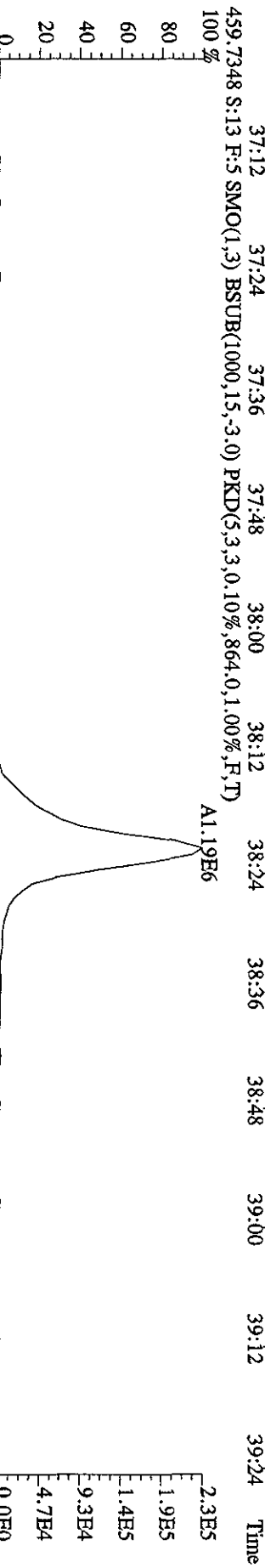
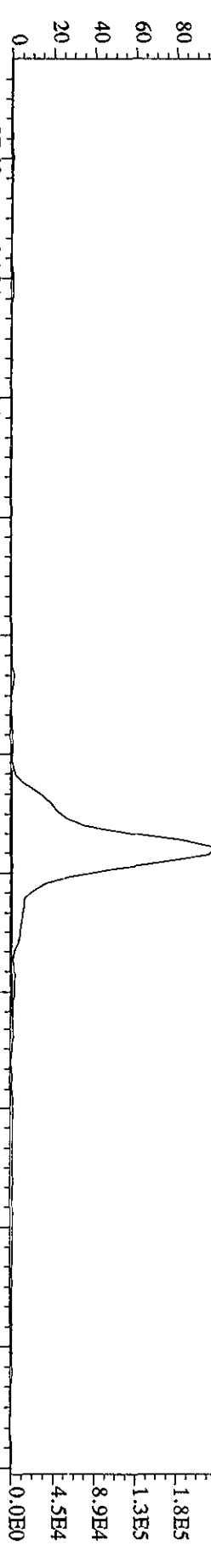
File: 12OC104D5 #1-200 Acq: 12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text: L/V/DE-1-AA : G01010524-3 Exp: DIOXINRES
 423.7766 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1064.0,1.00%,F,T)
 100%



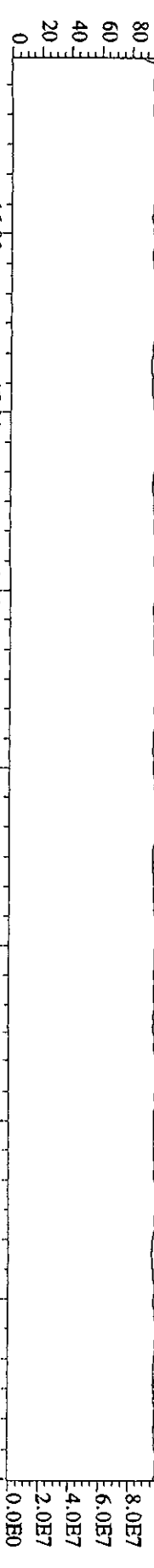
File: 12OC104D5 #1-193 Acq: 12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text: LTVDE-1-AA : G0I010524-3 Exp: DIOXINES
 441.7428 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1300,0,1.00%,F,T)



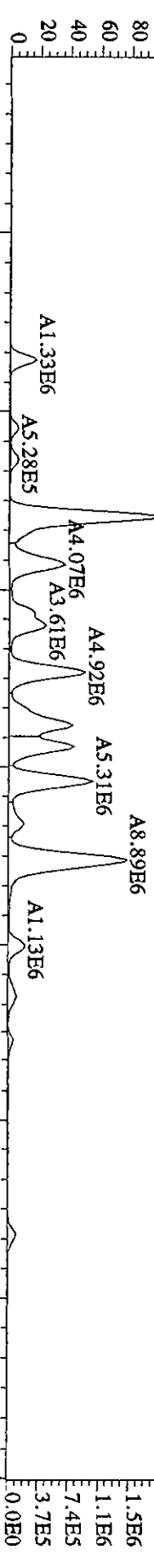
File:120C104D5 #1-193 Acq:12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text:LTVDE-1-AA :G0I010524-3 Exp:DIOXINRES
 457.7377 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1820.0,1.00%,F,T)
 100 %



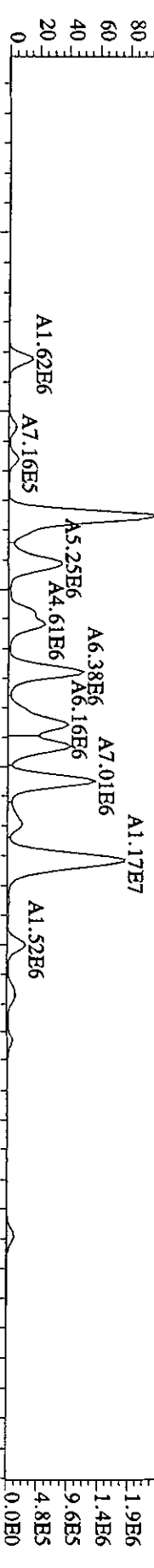
File:120C104D5 #1-530 Acq:12-OCT-2010 18:37:57 GC EI+ Voltage SFR Autospec-UltimaB
 Sample#13 Text:L7VDE-1-AA :G0F010524-3 Exp:DIOXINRES
 292.9825 S:13 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 100% 15:15 15:41 16:31 17:08 17:58 18:30 19:17 19:55 20:21 20:47 21:28 22:11 22:38



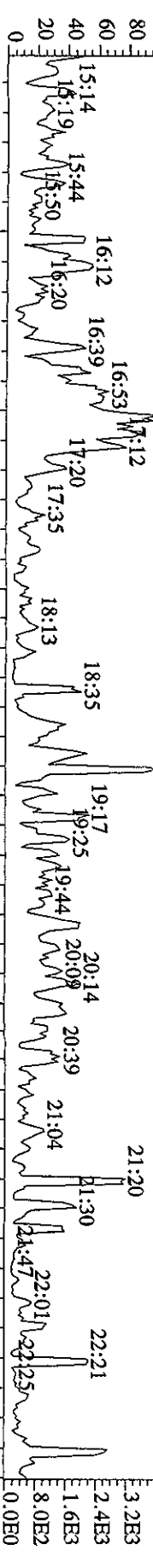
303.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3396.0,1.00%,F,T)
 100% 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00



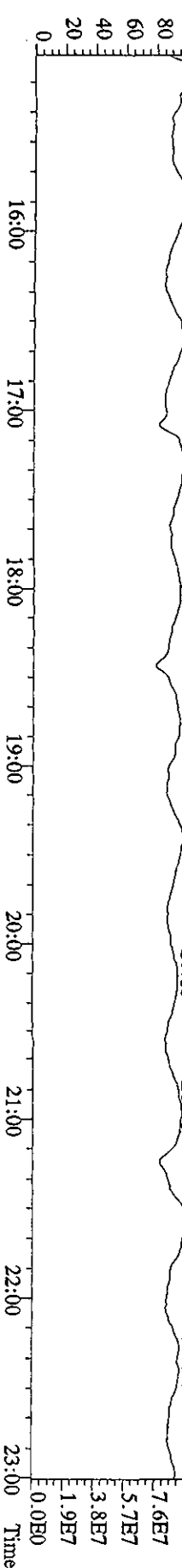
305.8987 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3516.0,1.00%,F,T)
 100% 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00



375.8364 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,972.0,1.00%,F,T)
 100% 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00



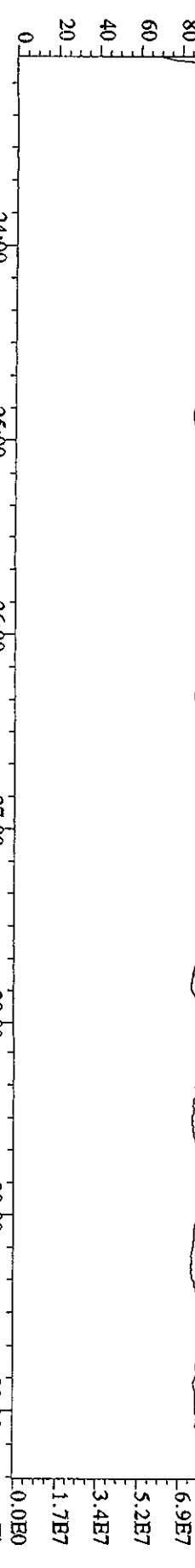
330.9792 S:13 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 15:17 15:50 16:35 17:17 17:58 18:46 19:25 20:13 21:00 21:58 22:44 23:00



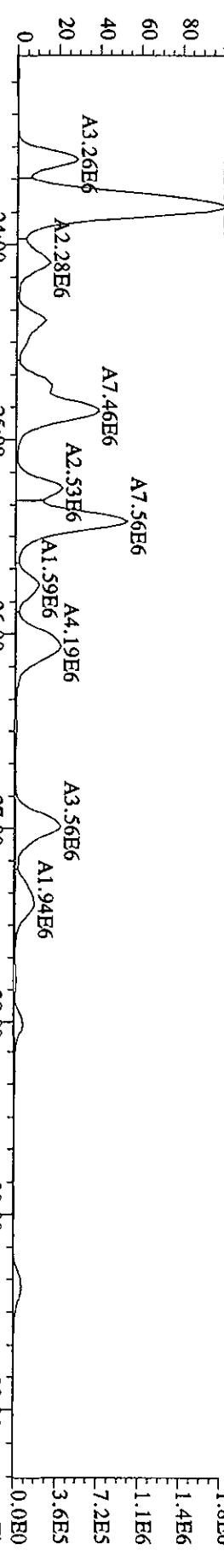
File:12OCT104D5 #1-470 Acq:12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-Ultimate

Sample#13 Text:17VDE-1-AA :G01010524-3 Exp:DIOXINRES

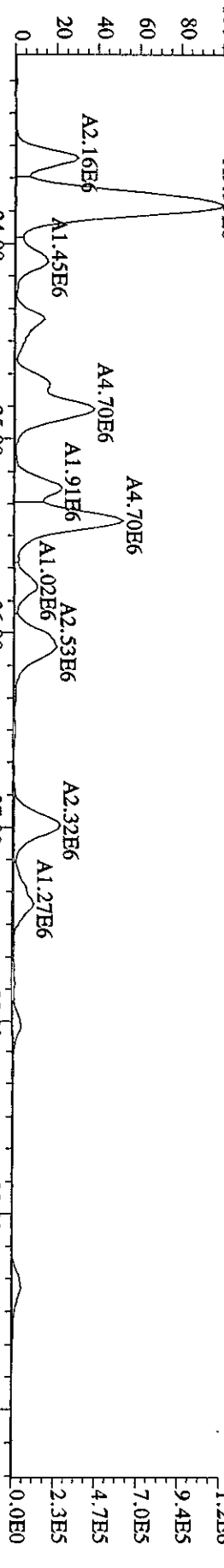
342.9792 S:13 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



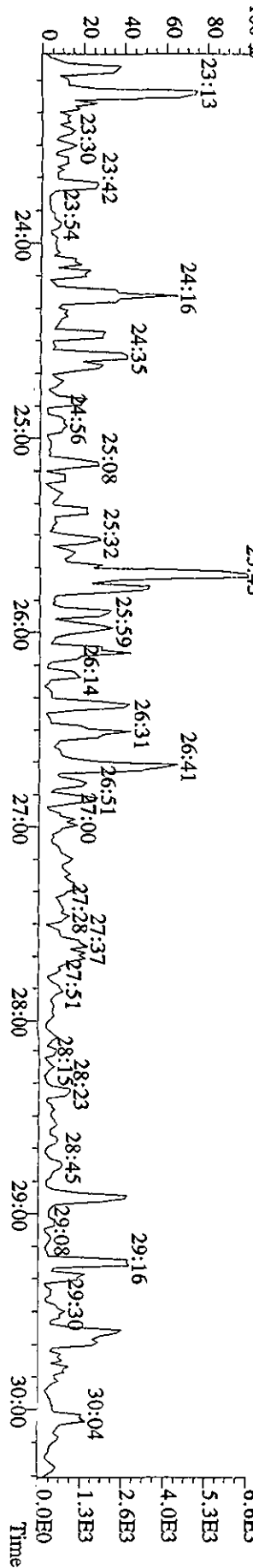
339.8597 S:13 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,7436.0,1.00%,F,T)



341.8567 S:13 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,4548.0,1.00%,F,T)

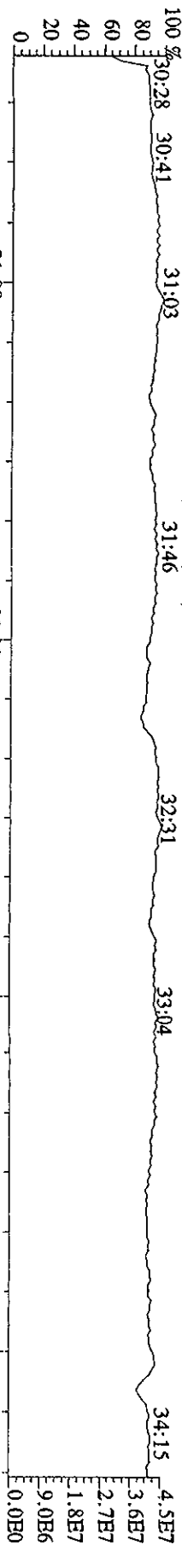


409.7974 S:13 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,720.0,1.00%,F,T)

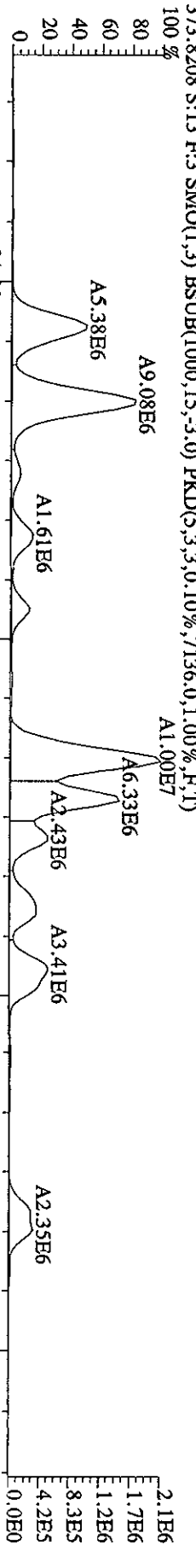


File:12OC104D5 #1-287 Acq:12-OCT-2010 18:37:57 GC EI + Voltage SIR Autospec-Ultimate
 Sample#13 Text:LTVDE-1-AA : G01010524-3 Exp:DIOXINRES

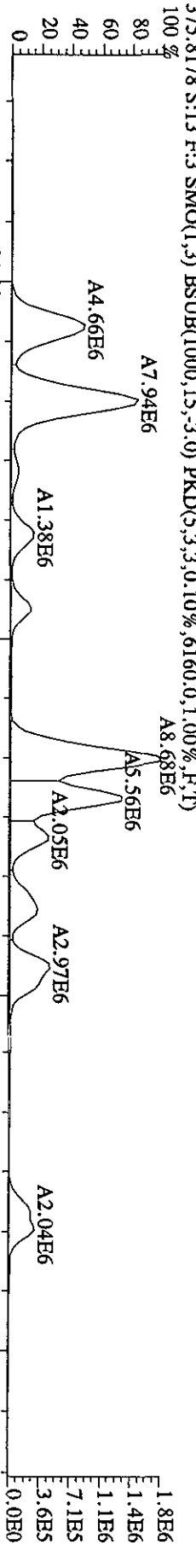
392.9760 S:13 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)
 30:28 30:41 31:03 31:46 32:31 33:04 34:15



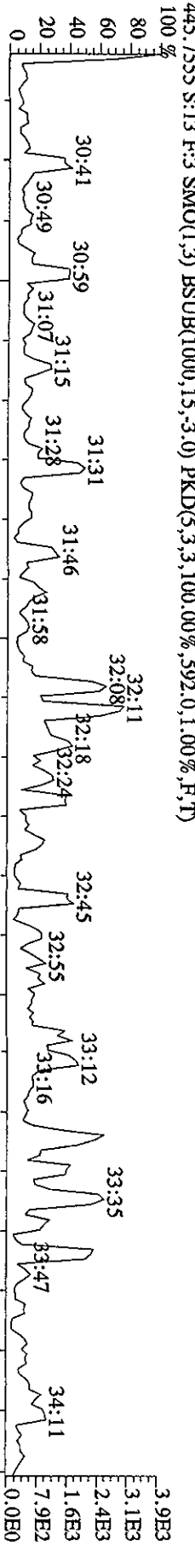
373.8208 S:13 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,7136.0,1.00%,F,T)



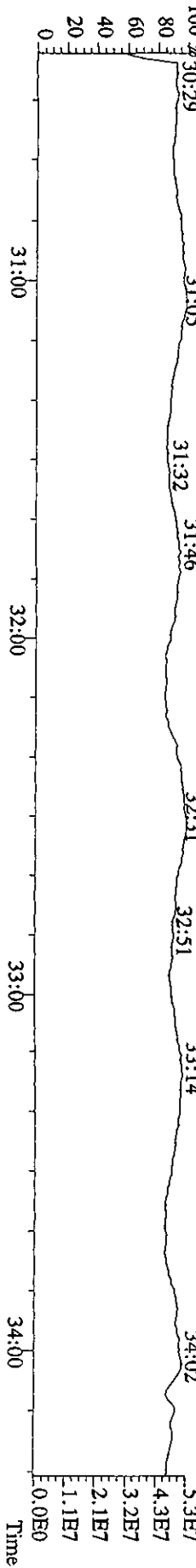
375.8178 S:13 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,6160.0,1.00%,F,T)



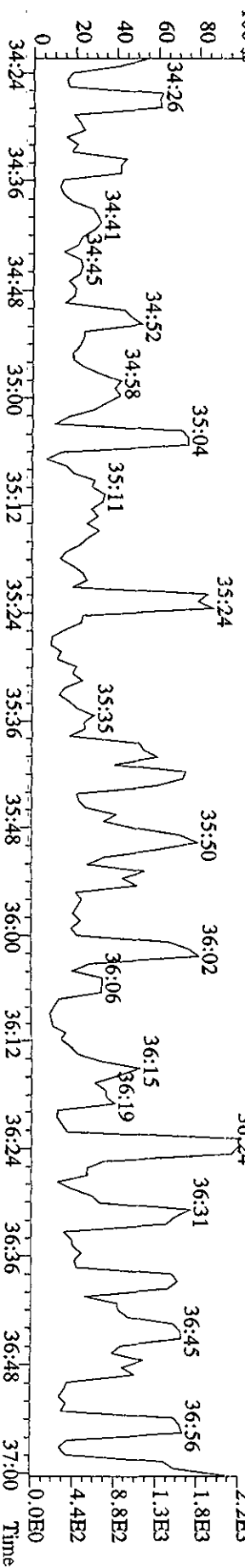
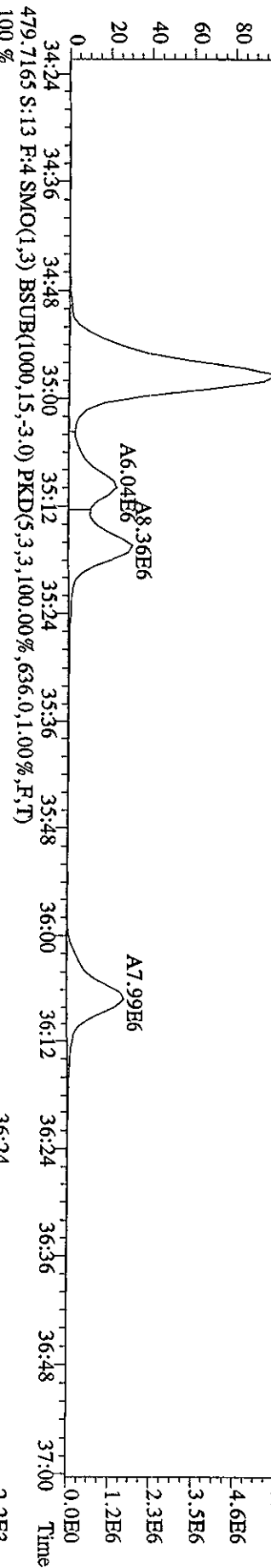
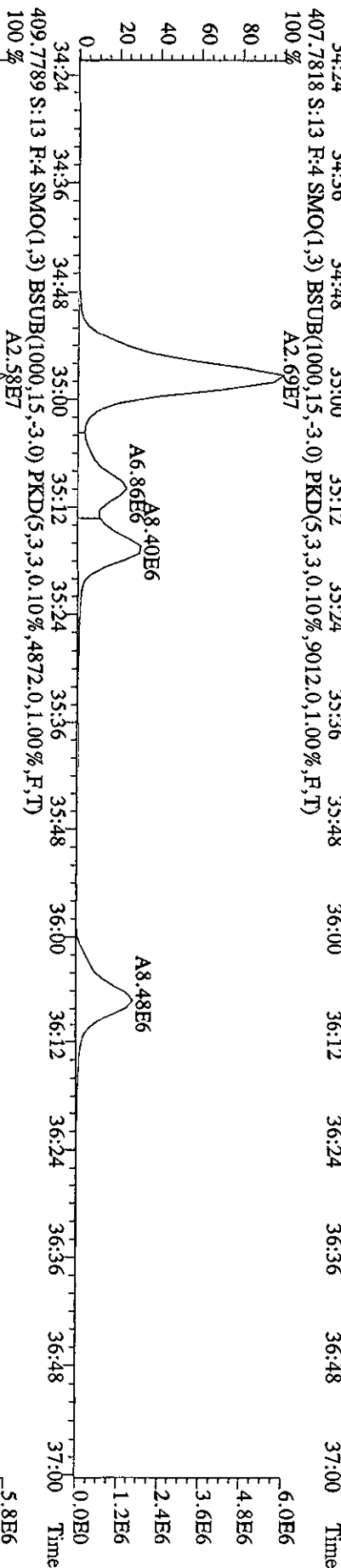
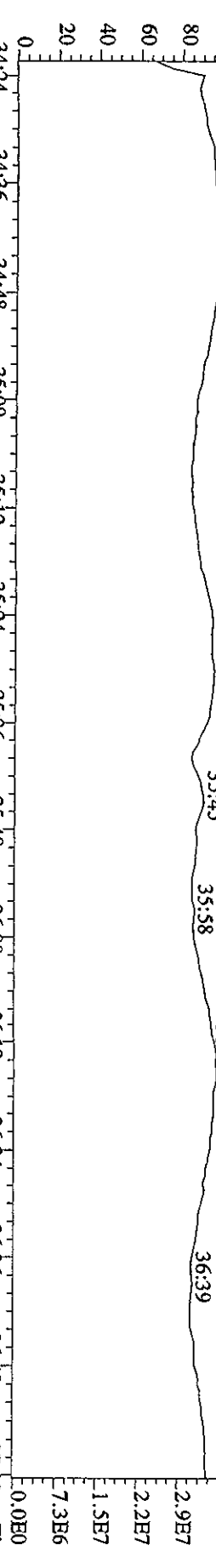
445.7555 S:13 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,592.0,1.00%,F,T)



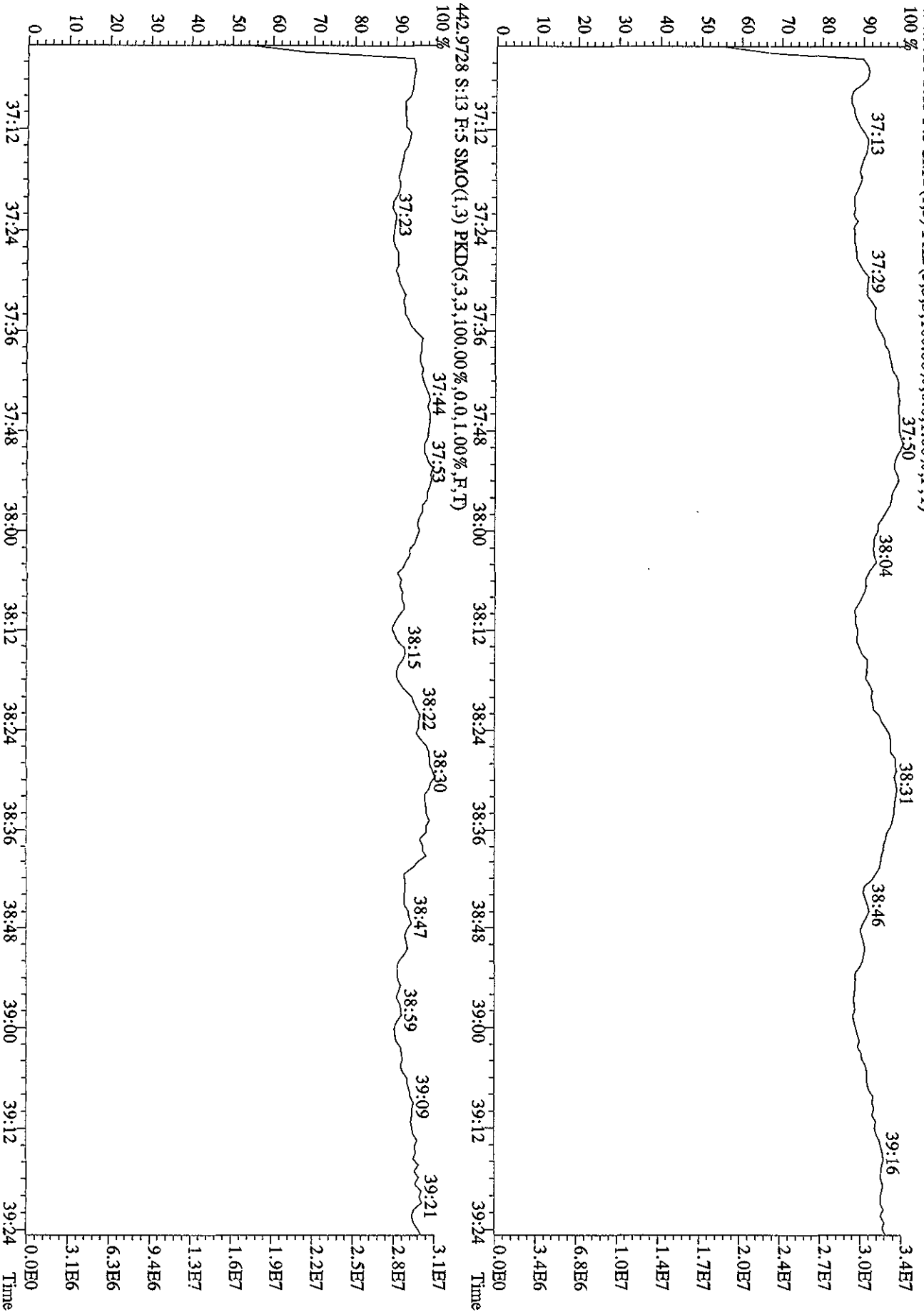
380.9760 S:13 F:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



File:120C104D5 #1-200 Acq:12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text:LTVDE-1-AA :G0I010524-3 Exp:DIOXINRES
 430.9728 S:13 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:12OOC104D5 #1-193 Acq:12-OCT-2010 18:37:57 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#13 Text:L7VDB-1-AA :G0I0105243 Exp:DIOXINRES
 454.9728 S:13 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 %

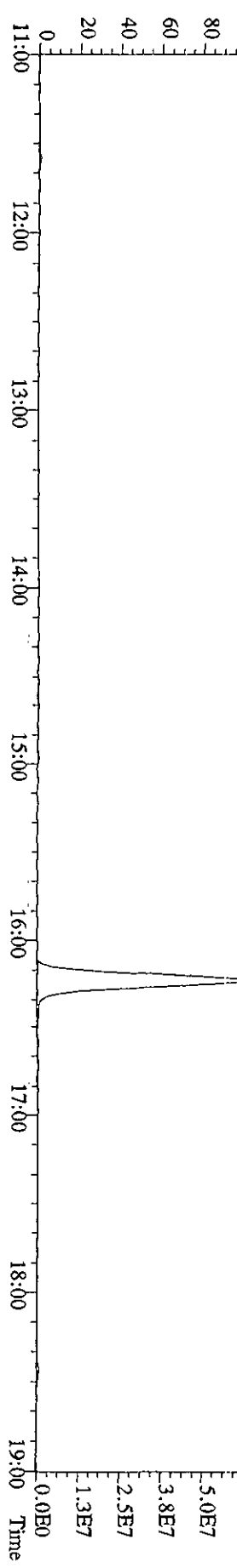
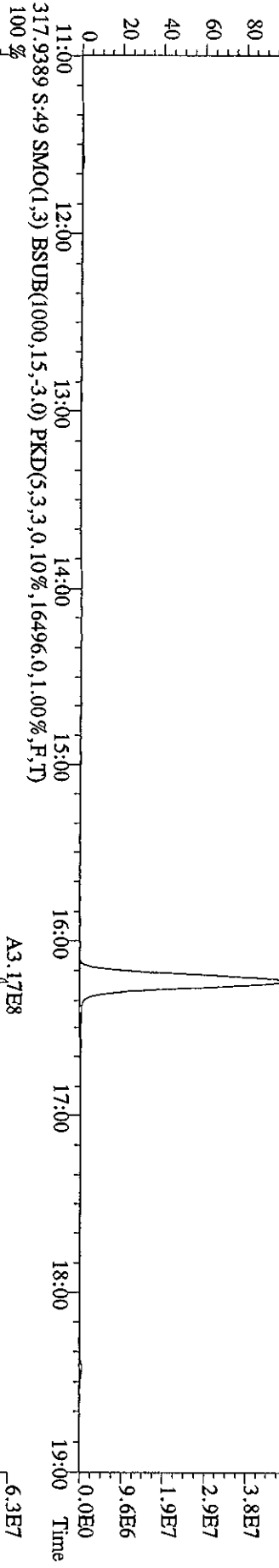
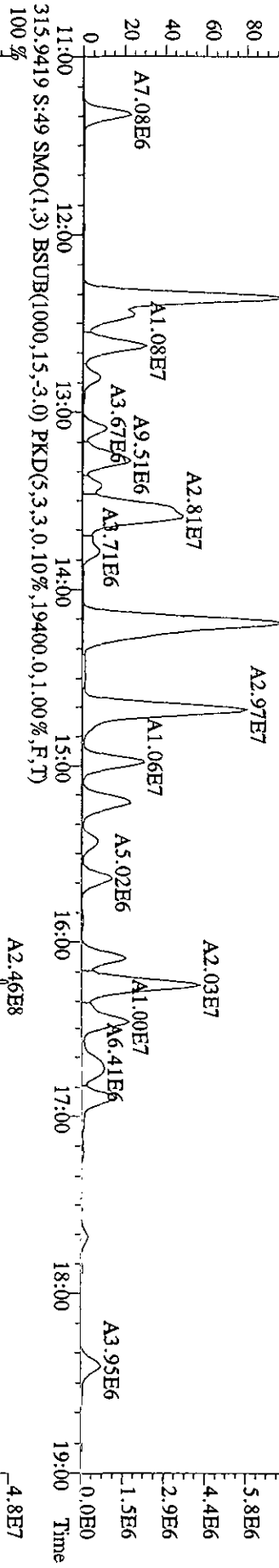
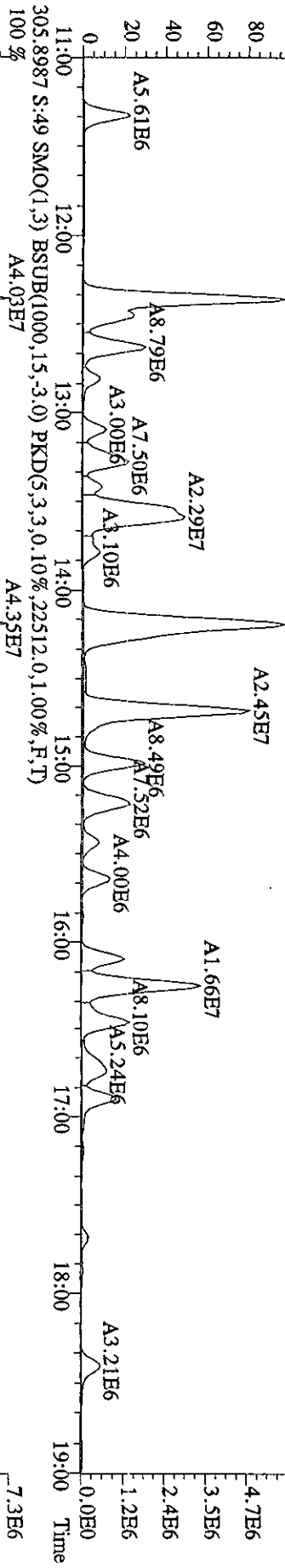


Run text: 17VDE-1-AA Sample text: 17VDE-1-AA :G0J010524-3
 Run #15 Filename: 10OC105D2 S: 49 I: 1 Results: 10OC105D2DB225AIR
 Acquired: 11-OCT-10 15:28:45 Processed: 11-OCT-10 16:36:00
 Run: 10OC105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 0.500000Samp

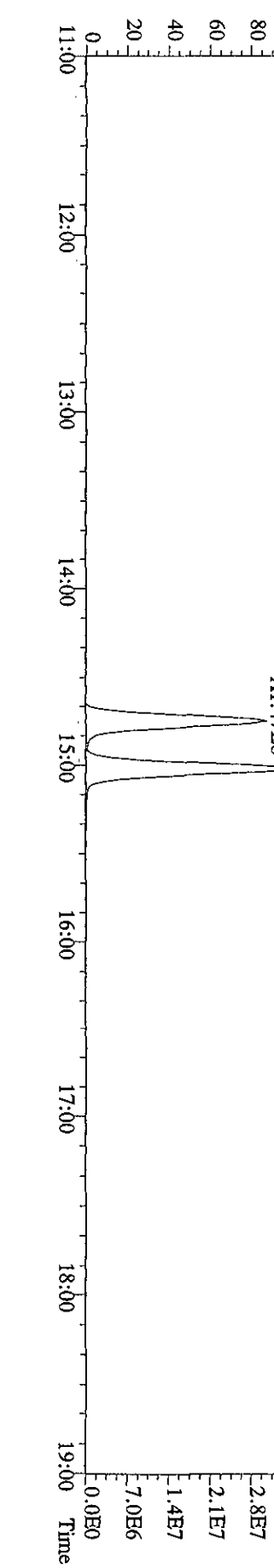
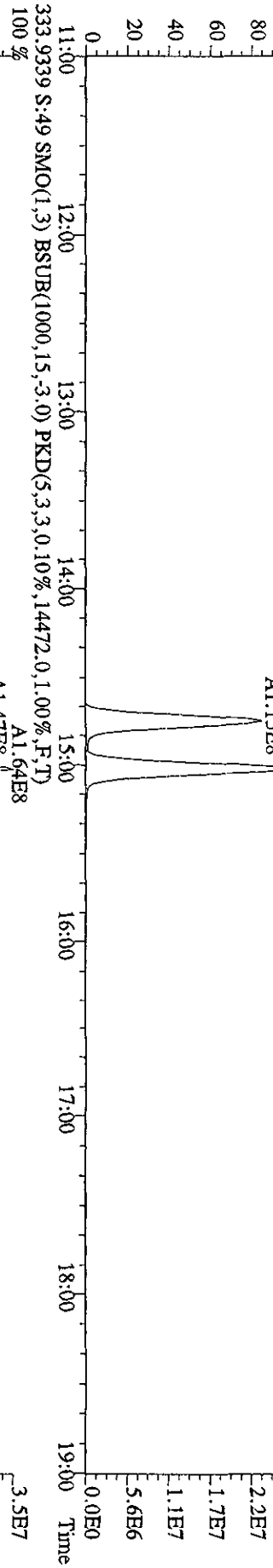
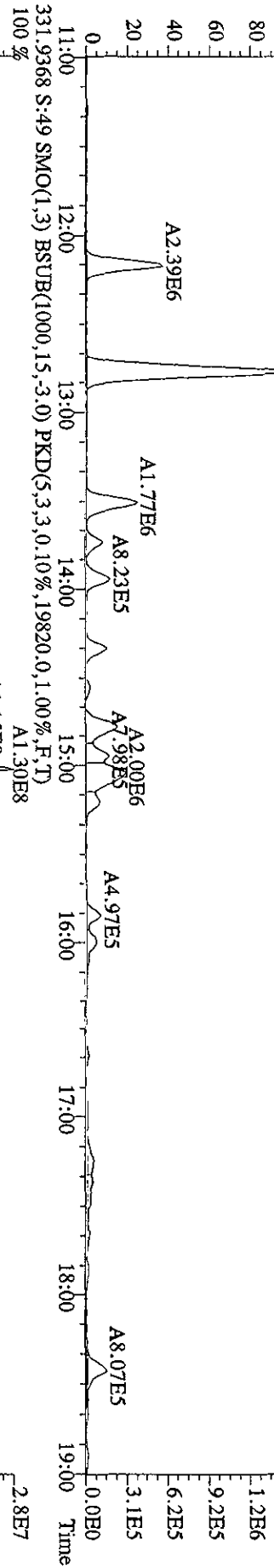
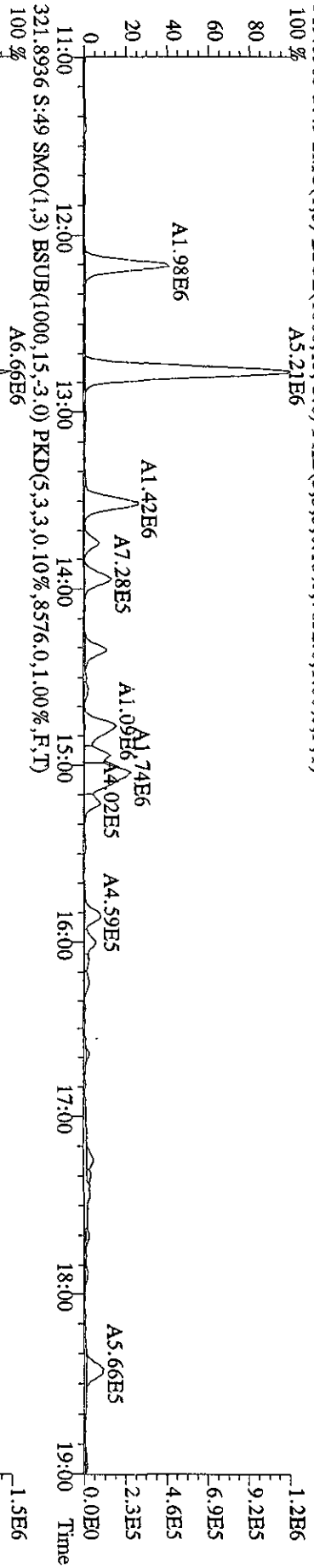
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	294011208	0.80 y	15:02	-	497.90	-	-	n
13C-2,3,7,8-TCDF	563404704	0.78 y	16:14	2.11	3630.41	3.23	90.8	n
2,3,7,8-TCDF	36928999	0.82 y	16:15	1.06	248.25 <i>Con</i>	4.79	-	n
13C-2,3,7,8-TCDD	262716416	0.78 y	14:45	0.88	4039.98	7.37	101.0	n
2,3,7,8-TCDD	2417432	0.82 y	14:47	1.64	22.50	2.18	-	n
37Cl-2,3,7,8-TCDD	165074768	1.00 y	14:46	1.46	1723.65	3.74	107.7	n

*w/12/10
me*

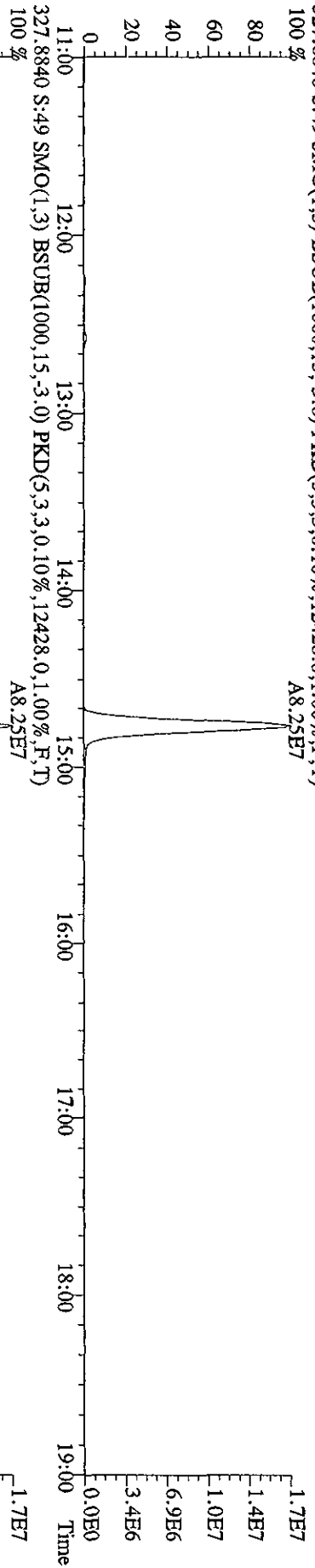
File: 100C105D2 #1-1242 Acq: 11-OCT-2010 15:28:45 GC EI+ Voltage SIR 70SE
 Sample#49 Text: 17VDE-1-AA :G01010524-3 Exp: DB225RES
 303.9016 S:49 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,24152.0,1.00%,F,T)
 100% A3.21E7 A3.55E7



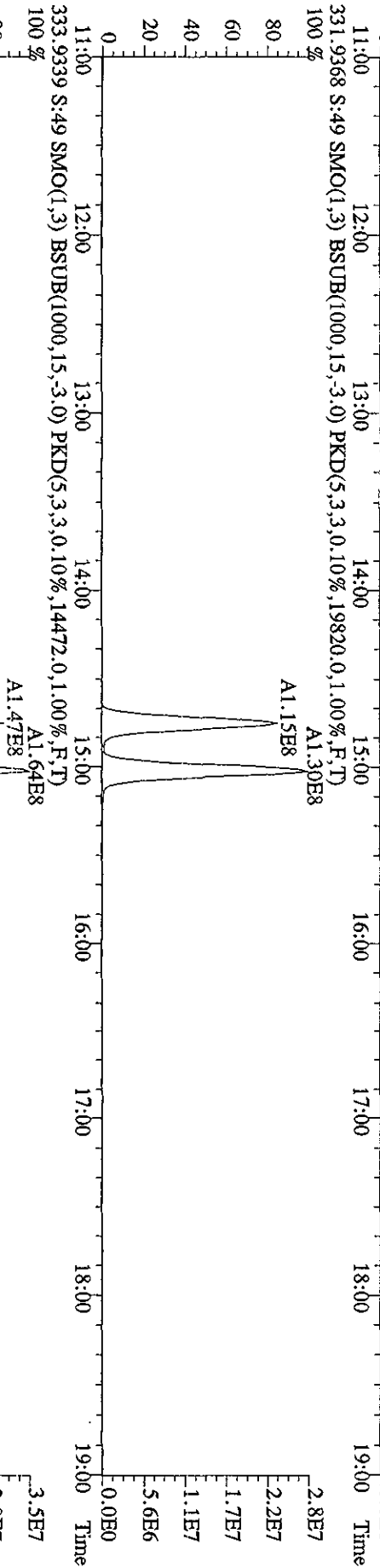
File:100C105D2 #1-1242 Acq:11-OCT-2010 15:28:45 GC EI+ Voltage SIR 70SE
 Sample#49 Text:17VDE-1-AA :G01010524-3 Exp:DB22SRES
 319.8965 S:49 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,0,10%,7632.0,1.00%,F,T)
 100%



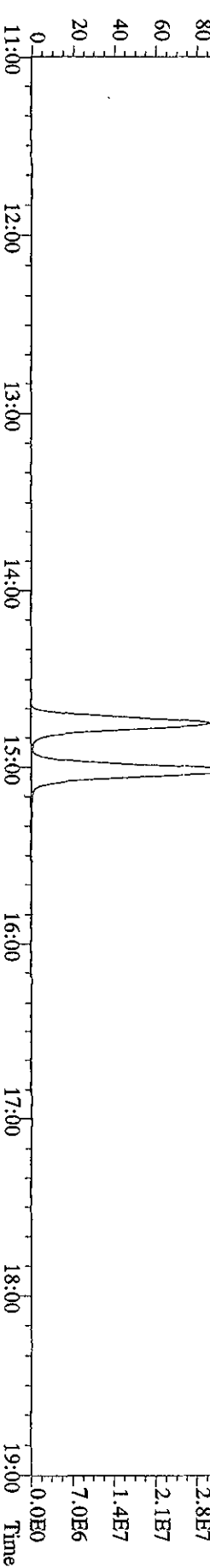
File:100C105D2 #1-1242 Acq:11-OCT-2010 15:28:45 GC EI+ Voltage SIR 70SE
 Sample#49 Text:17VDE-1-AA :G01010524-3 Exp:DB225RES
 327.8840 S:49 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12428,0,1,00%,F,T)
 100% A8.25E7



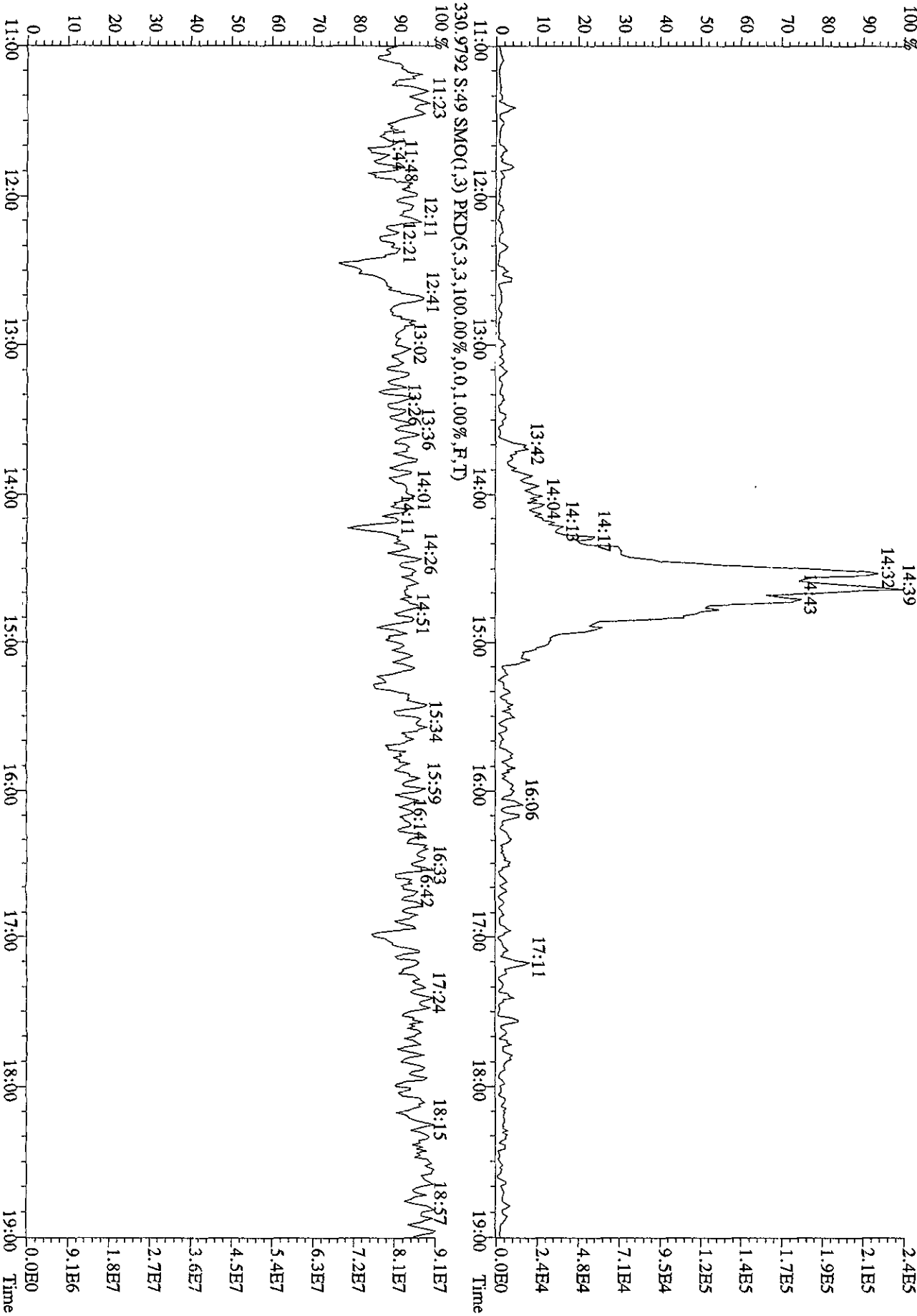
331.9368 S:49 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,19820,0,1,00%,F,T)
 100% A1.15E8 A1.30E8



333.9339 S:49 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,14472,0,1,00%,F,T)
 100% A1.47E8 A1.64E8



File:100C105D2 #1-1242 Acq:11-OCT-2010 15:28:45 GC EI+ Voltage SIR 70SE
 Sample#49 Text:17VDE-1-AA :G01010524-3 Exp:DB25RES
 375.8364 S:49 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,100.00%,0.1,0.00%,F,T)
 100%



Method ID T09

Associated ICAL T090914101D5

Column ID DB5

Instrument ID 1D5

STD ID ST1006, ST1006A

STD Solution 10DXN426

Analyzed by M.G.

Date Analyzed 10/6/10

Std. Pkg. By M.G.

Date Std. Pkg. Assembled 10/7/10

Std. Pkg. Reviewed By JRB

Date Std. Pkg. Reviewed 10/7/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?***	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (for 1613B only)	NA	NA

COMMENTS: _____

* Method 8290/T09/M0023A: (beginning) ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
 Method 8290/T09/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
 Method 23: See Method 23 Daily Standard Criteria, Table 5.
 Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
 ** Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
 Method 1613B/8290/T09 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST1006 File text: ST1006 :CS3 10DXN426
 Run #6 Filename 06OC101D5 S: 2 I: 1
 Acquired: 6-OCT-10 10:30:05 Processed: 6-OCT-10 18:01:57
 Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06OC101D5TO9TO9

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	282266000	0.81 y	17:41	-	100.00	-	n
13C-2,3,7,8-TCDF	465953000	0.81 y	17:10	1.65	100.00	5.6	n
2,3,7,8-TCDF	46988200	0.86 y	17:11	1.01	10.00	2.5	n
Total TCDF	47780818	1.08 n	14:45	1.01	10.00	2.5	n
13C-2,3,7,8-TCDD	267757000	0.83 y	17:53	0.95	100.00	3.0	n
2,3,7,8-TCDD	30042200	0.76 y	17:54	1.12	10.00	8.8	n
Total TCDD	30464199	1.22 n	15:08	1.12	10.00	8.8	n
37Cl-2,3,7,8-TCDD	34483200	1.00 y	17:54	1.29	10.00	5.0	n
13C-1,2,3,7,8-PeCDF	343127000	1.67 y	22:12	1.22	100.00	15.5	n
1,2,3,7,8-PeCDF	219941200	1.63 y	22:13	1.28	50.00	17.4	n
2,3,4,7,8-PeCDF	205524000	1.62 y	23:32	1.20	50.00	17.7	n
Total F2 PeCDF	429556361	1.53 y	20:53	1.24	100.00	17.5	n
Total F1 PeCDF	423224	0.75 n	15:16	1.24	100.00	17.5	n
13C-1,2,3,7,8-PeCDD	181586600	1.69 y	24:13	0.64	100.00	14.7	n
1,2,3,7,8-PeCDD	106776500	1.68 y	24:15	1.18	50.00	9.9	n
Total PeCDD	106991996	1.51 y	23:56	1.18	50.00	9.9	n
13C-1,2,3,7,8,9-HxCDD	301178000	1.27 y	30:44	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	317993000	0.55 y	29:24	1.06	100.00	6.6	n
1,2,3,4,7,8-HxCDF	219420400	1.26 y	29:25	1.38	50.00	9.4	n
1,2,3,6,7,8-HxCDF	257330000	1.26 y	29:34	1.62	50.00	5.7	n
2,3,4,6,7,8-HxCDF	239186000	1.24 y	30:12	1.50	50.00	6.9	n
1,2,3,7,8,9-HxCDF	228898000	1.24 y	30:55	1.44	50.00	3.1	n
Total HxCDF	944834400	1.26 y	29:25	1.49	200.00	6.2	n
13C-1,2,3,6,7,8-HxCDD	233687000	1.26 y	30:26	0.78	100.00	4.9	n
1,2,3,4,7,8-HxCDD	150075100	1.25 y	30:21	1.28	50.00	14.7	n
1,2,3,6,7,8-HxCDD	150073300	1.29 y	30:27	1.28	50.00	12.5	n
1,2,3,7,8,9-HxCDD	174198500	1.26 y	30:44	1.49	50.00	10.1	n
Total HxCDD	474346900	1.25 y	30:21	1.35	150.00	12.3	n
13C-1,2,3,4,6,7,8-HpCDF	288359600	0.47 y	32:20	0.96	100.00	0.1	n
1,2,3,4,6,7,8-HpCDF	235564000	1.05 y	32:20	1.63	50.00	16.0	n
1,2,3,4,7,8,9-HpCDF	188334500	1.06 y	33:32	1.31	50.00	5.7	n
Total HpCDF	427342299	1.05 y	32:20	1.47	100.00	11.2	n
13C-1,2,3,4,6,7,8-HpCDD	212268000	1.06 y	33:12	0.70	100.00	-1.0	n
1,2,3,4,6,7,8-HpCDD	134115500	1.06 y	33:13	1.26	50.00	11.4	n
Total HpCDD	135194760	1.03 y	32:36	1.26	50.00	11.4	n
13C-OCDD	209467100	0.90 y	35:46	0.35	200.00	-1.4	n
OCDF	221411000	0.93 y	35:53	2.11	100.00	-0.2	n
OCDD	151243800	0.91 y	35:47	1.44	100.00	5.3	n

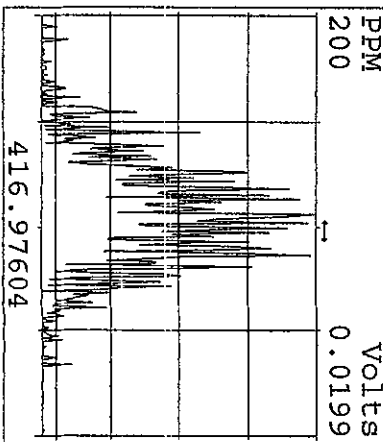
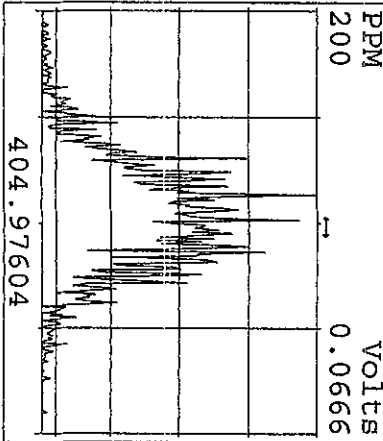
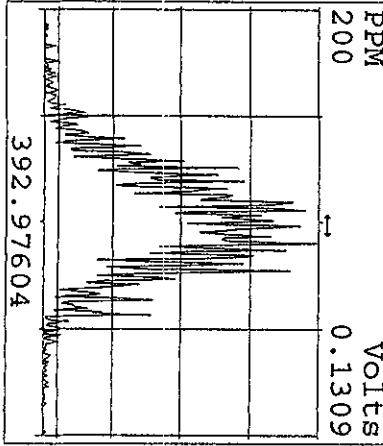
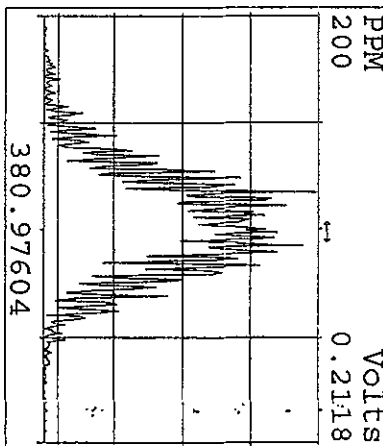
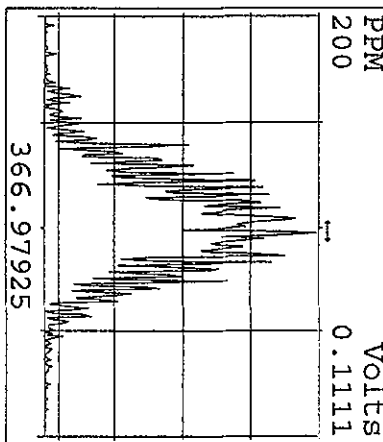
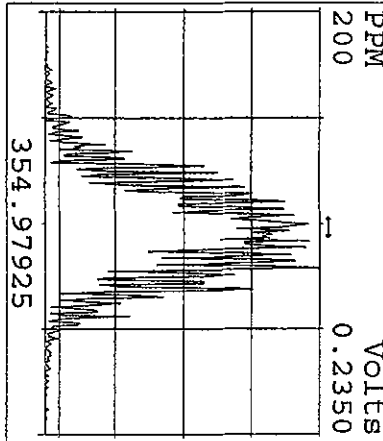
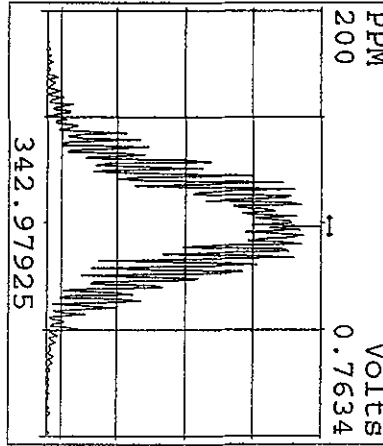
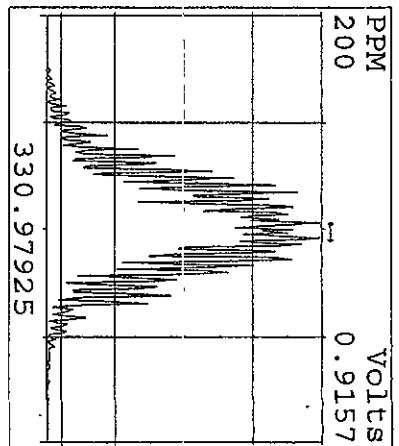
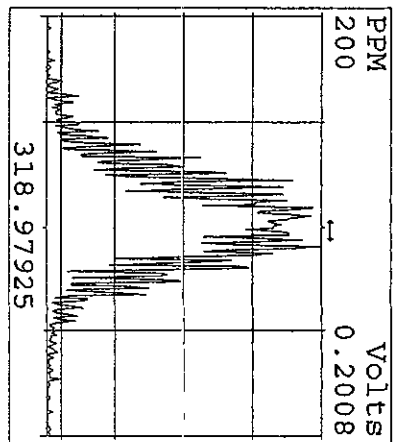
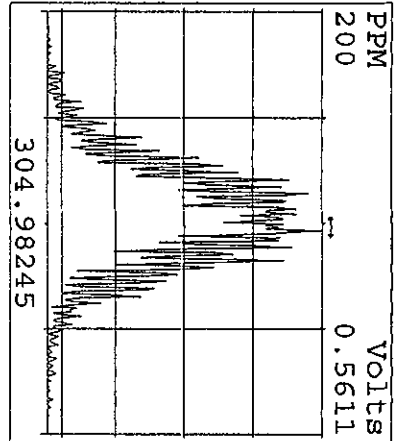
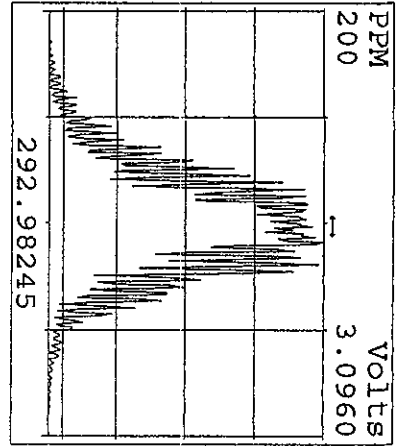
Run text: ST1006A File text: ST1006A :CS3 10DXN426
 Run #11 Filename 06OC101D5 S: 13 I: 1
 Acquired: 6-OCT-10 18:26:05 Processed: 6-OCT-10 19:12:30
 Run: 06OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 06OC101D5TO9TO9

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	327934000	0.80 y	17:41	-	100.00	-	n
13C-2,3,7,8-TCDF	547369000	0.81 y	17:09	1.67	100.00	6.8	n
2,3,7,8-TCDF	57851200	0.77 y	17:10	1.06	10.00	7.4	n
Total TCDF	58435338	0.93 n	15:30	1.06	10.00	7.4	n
13C-2,3,7,8-TCDD	315805000	0.82 y	17:52	0.96	100.00	4.6	n
2,3,7,8-TCDD	36185800	0.79 y	17:53	1.15	10.00	11.1	n
Total TCDD	36320627	1.46 n	17:09	1.15	10.00	11.1	n
37Cl-2,3,7,8-TCDD	41127000	1.00 y	17:53	1.30	10.00	6.2	n
13C-1,2,3,7,8-PeCDF	416390000	1.66 y	22:10	1.27	100.00	20.6	n
1,2,3,7,8-PeCDF	268276000	1.60 y	22:12	1.29	50.00	18.0	n
2,3,4,7,8-PeCDF	250825000	1.62 y	23:31	1.20	50.00	18.4	n
Total F2 PeCDF	526579007	1.53 y	20:50	1.25	100.00	18.2	n
Total F1 PeCDF	247454	0.92 n	15:15	1.25	100.00	18.2	n
13C-1,2,3,7,8-PeCDD	226124900	1.62 y	24:12	0.69	100.00	22.9	n
1,2,3,7,8-PeCDD	135633300	1.63 y	24:14	1.20	50.00	12.1	n
Total PeCDD	135633300	1.63 y	24:14	1.20	50.00	12.1	n
13C-1,2,3,7,8,9-HxCDD	387262000	1.27 y	30:43	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	408372000	0.53 y	29:24	1.05	100.00	6.4	n
1,2,3,4,7,8-HxCDF	285808000	1.26 y	29:25	1.40	50.00	11.0	n
1,2,3,6,7,8-HxCDF	305631000	1.25 y	29:32	1.50	50.00	-2.2	n
2,3,4,6,7,8-HxCDF	286207000	1.24 y	30:12	1.40	50.00	-0.4	n
1,2,3,7,8,9-HxCDF	286592000	1.25 y	30:54	1.40	50.00	0.5	n
Total HxCDF	1164238000	1.26 y	29:25	1.43	200.00	1.9	n
13C-1,2,3,6,7,8-HxCDD	297059000	1.27 y	30:26	0.77	100.00	3.7	n
1,2,3,4,7,8-HxCDD	197185200	1.26 y	30:21	1.33	50.00	18.6	n
1,2,3,6,7,8-HxCDD	189241200	1.29 y	30:26	1.27	50.00	11.6	n
1,2,3,7,8,9-HxCDD	224916200	1.25 y	30:44	1.51	50.00	11.9	n
Total HxCDD	611342600	1.26 y	30:21	1.37	150.00	13.9	n
13C-1,2,3,4,6,7,8-HpCDF	330090000	0.45 y	32:19	0.85	100.00	-10.8	n
1,2,3,4,6,7,8-HpCDF	270683000	1.06 y	32:20	1.64	50.00	16.5	n
1,2,3,4,7,8,9-HpCDF	215228000	1.07 y	33:32	1.30	50.00	5.5	n
Total HpCDF	489390424	1.06 y	32:20	1.47	100.00	11.4	n
13C-1,2,3,4,6,7,8-HpCDD	241497000	1.06 y	33:11	0.62	100.00	-12.4	n
1,2,3,4,6,7,8-HpCDD	153284000	1.06 y	33:12	1.27	50.00	11.9	n
Total HpCDD	154492256	1.08 y	32:36	1.27	50.00	11.9	n
13C-OCDD	250457000	0.92 y	35:46	0.32	200.00	-8.3	n
OCDF	254331000	0.92 y	35:52	2.03	100.00	-4.1	n
OCDD	177443100	0.90 y	35:47	1.42	100.00	3.3	n

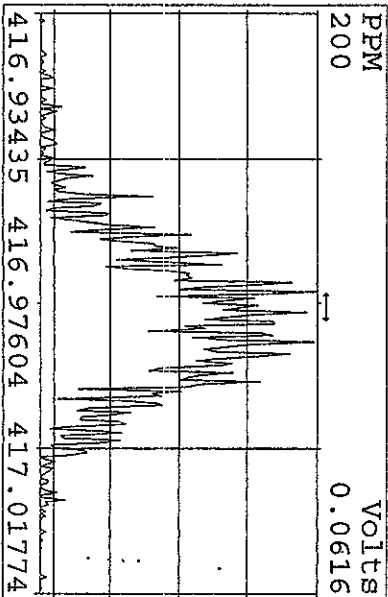
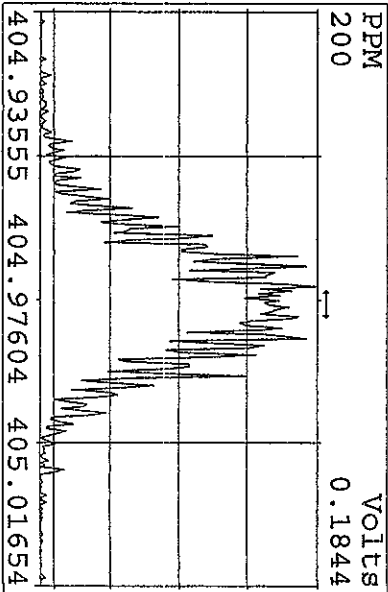
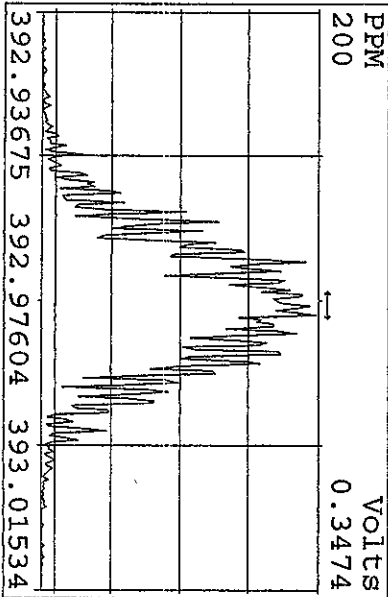
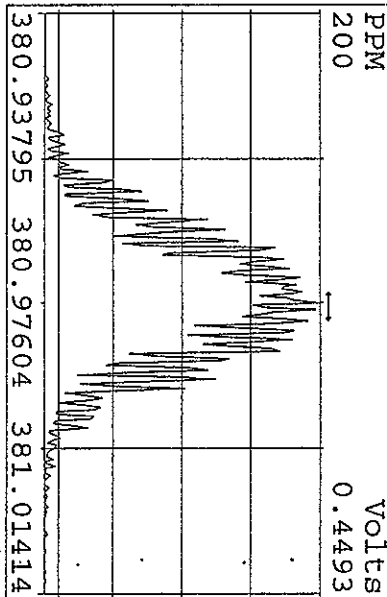
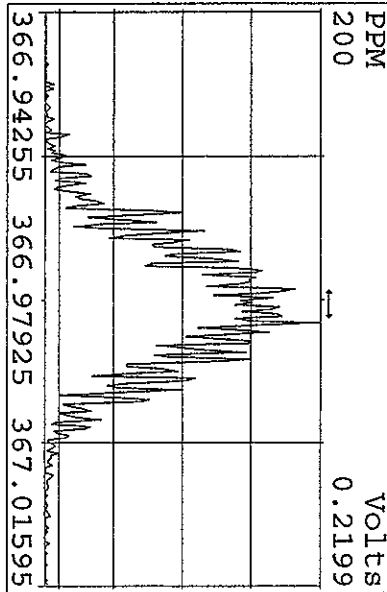
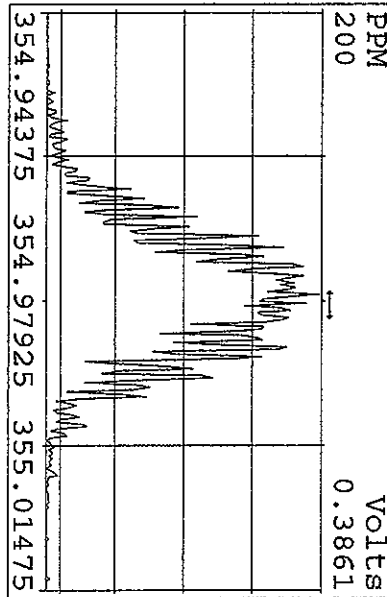
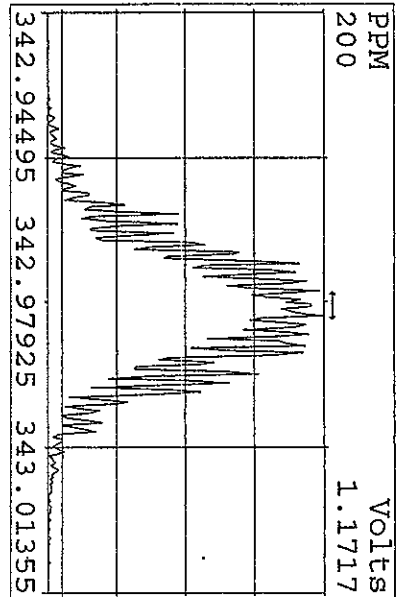
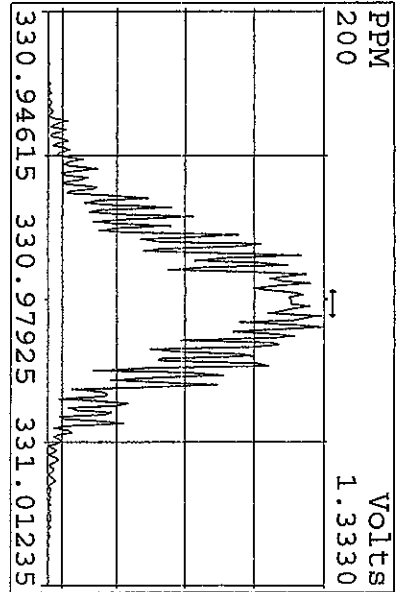
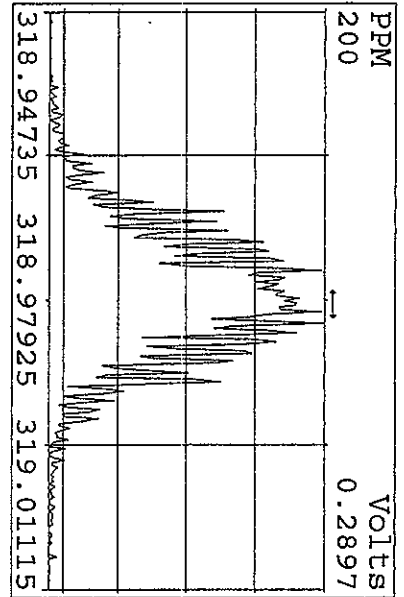
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06OC101D5	4	L65HW-2-AC	G0I170509-1RX	20	8290/SOLID	67	9.85000	g
06OC101D5	5	L65H1-2-AC	G0I170509-2RX	20	8290/SOLID		10.51000	g
06OC101D5	6	L6815-2-AC	G0I210463-3RX	20	8290/SOLID		10.40000	g
06OC101D5	7	L6816-2-AC	G0I210463-4RX	20	8290/SOLID		9.68000	g
06OC101D5	8	L68XE-2-AC	G0I210457-1RX	20	8290/SOLID		10.32000	g
06OC101D5	9	L68XF-2-AC	G0I210457-2RX	20	8290/SOLID		10.23000	g
06OC101D5	10	L68XG-2-AC	G0I210457-3RX	20	8290/SOLID		9.93000	g
06OC101D5	11	L7VVQ-1-AC	G0J010000-374C	20	TO-9/AIR	69	0.50000	Sam
06OC101D5	12	L7VVQ-1-AD	G0J010000-374L	20	TO-9/AIR		0.50000	Sam
06OC101D5	13	ST1006A	CS3 10DXN426				1.00000	
06OC101D5	14	ST1006B	CS3 10DXN426				1.00000	
06OC101D5	15						1.00000	
06OC101D5	16						1.00000	
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*log file V'd
Nk 10/6/10*

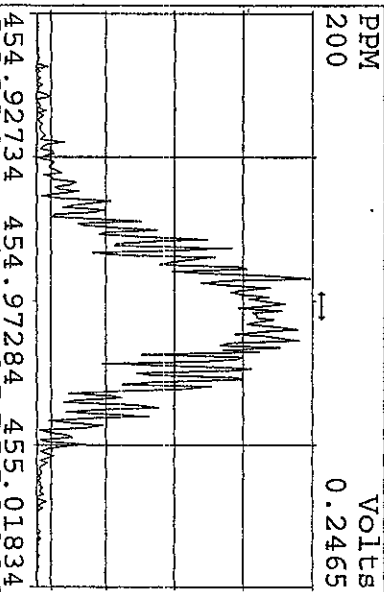
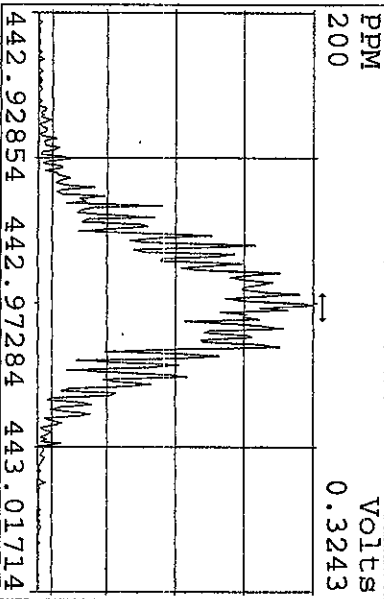
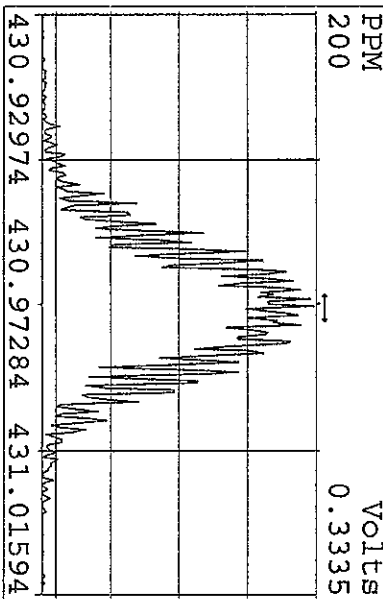
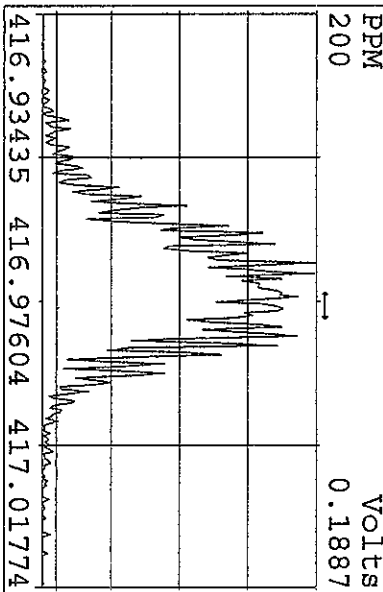
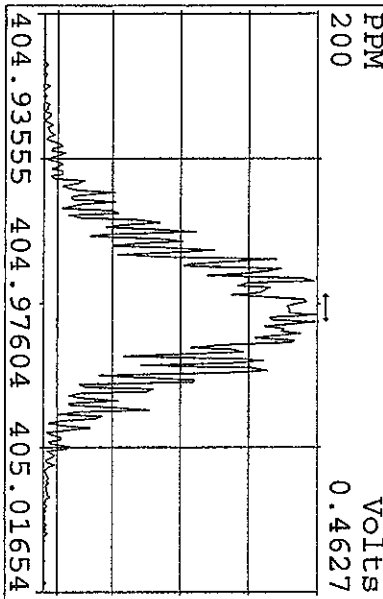
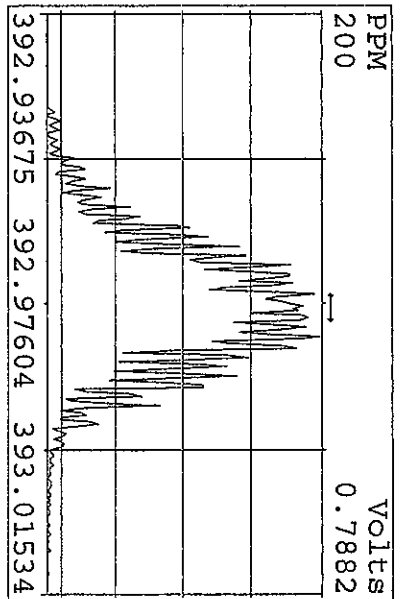
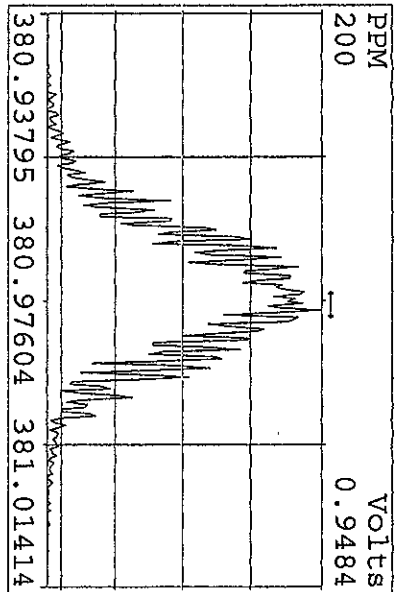
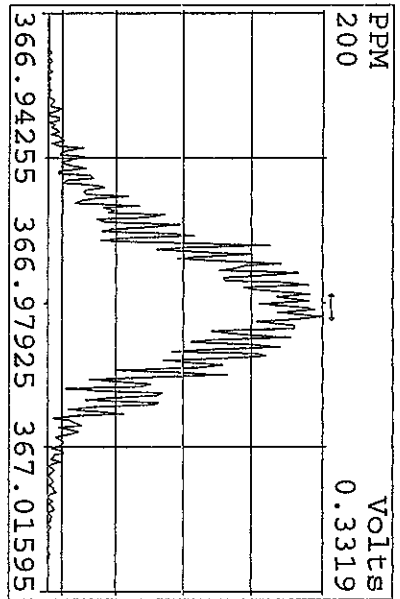
Peak Locate Examination: 6-OCT-2010:09:43 File:060C101D5
Experiment:DIOXINRES Function:1 Reference:PFK



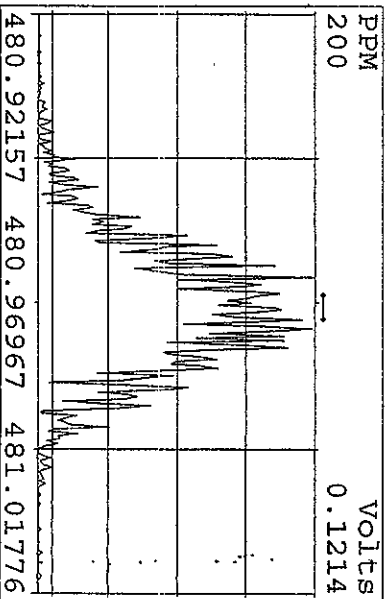
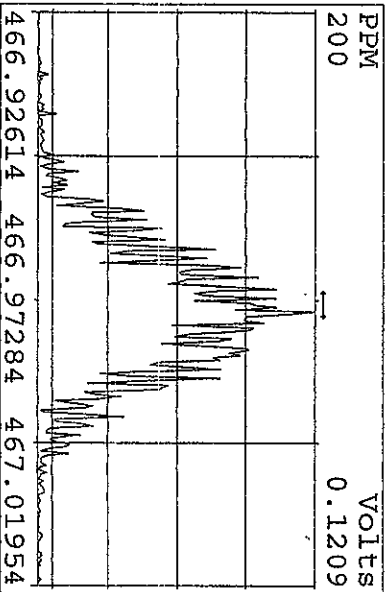
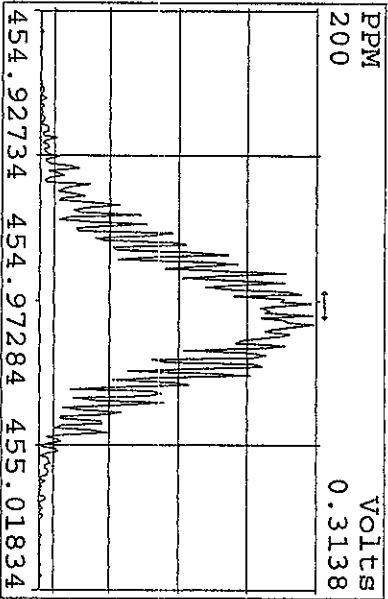
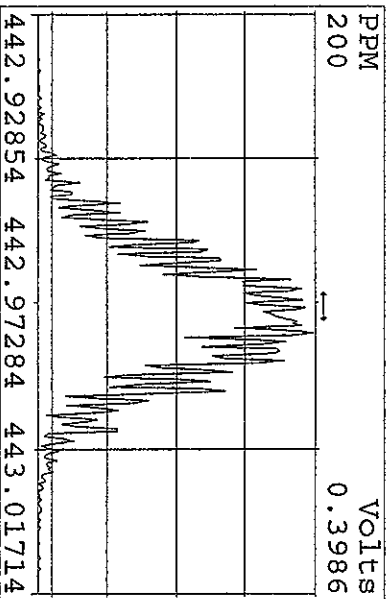
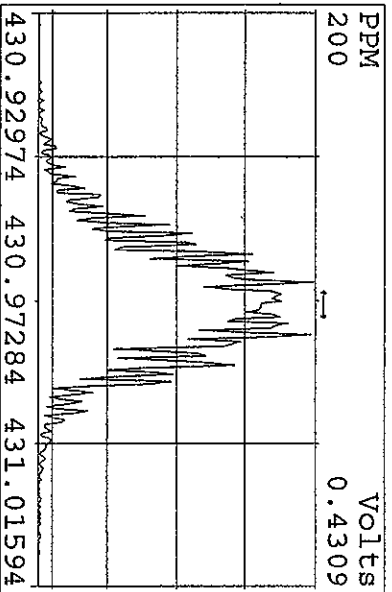
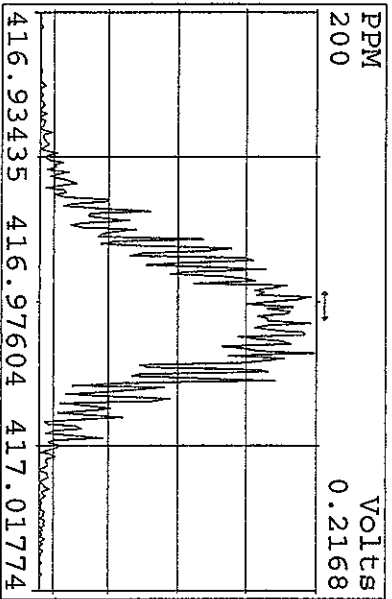
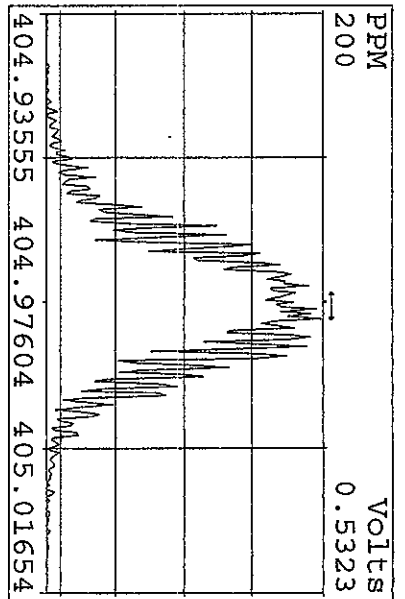
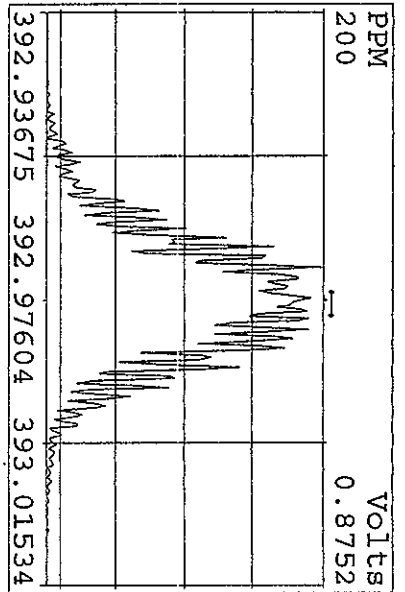
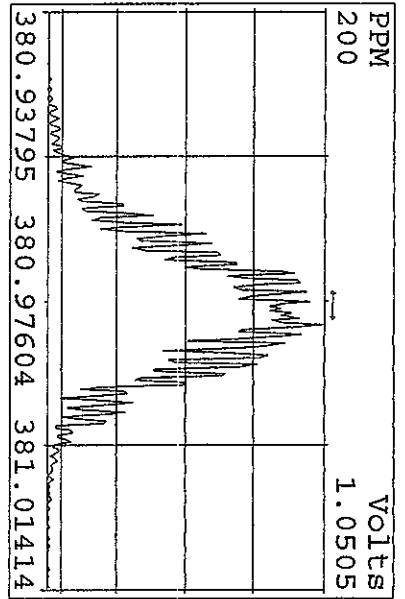
Peak Locate Examination: 6-OCT-2010:09:44 File:060C101DS
 Experiment:DIOXINRES Function:2 Reference:PFK



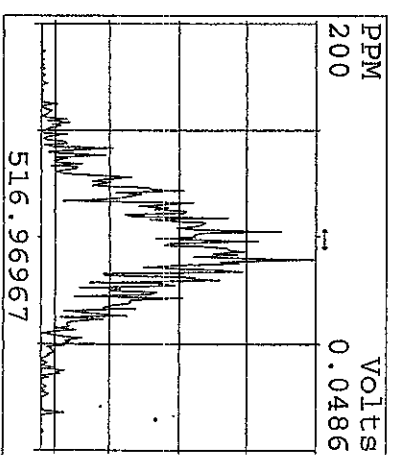
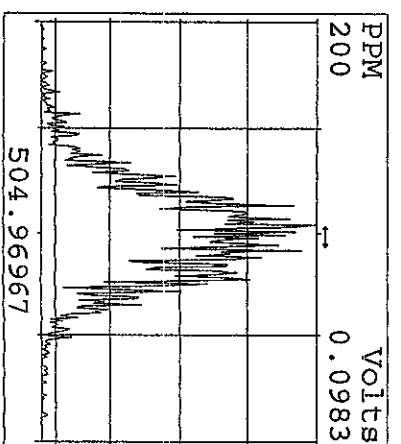
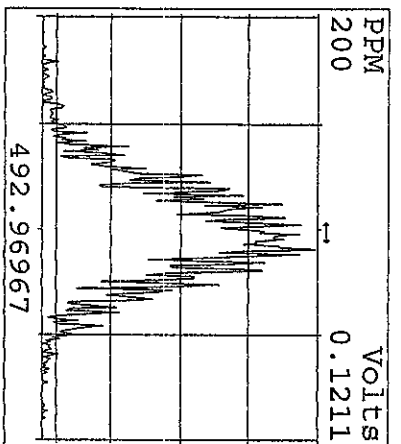
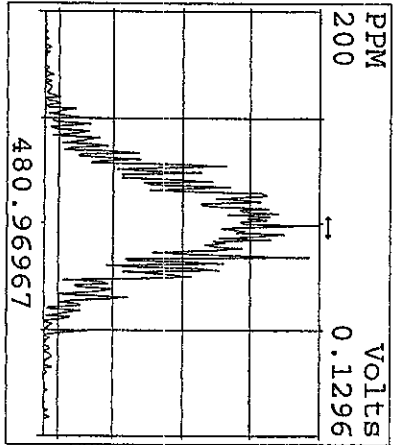
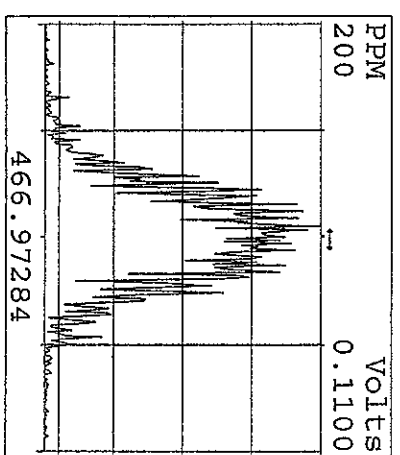
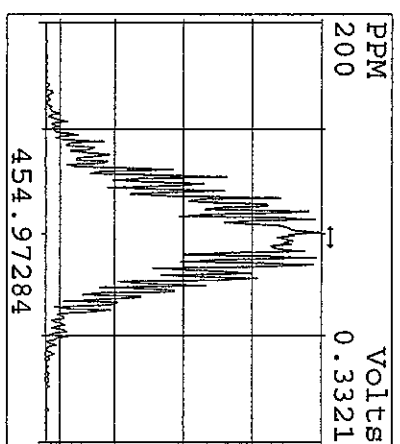
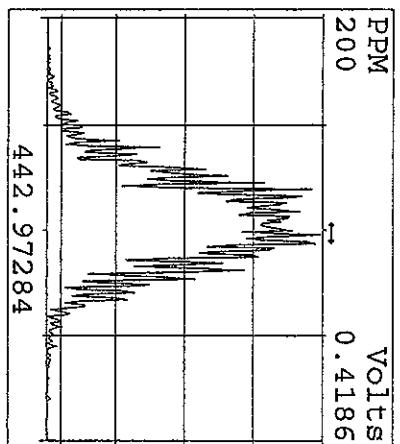
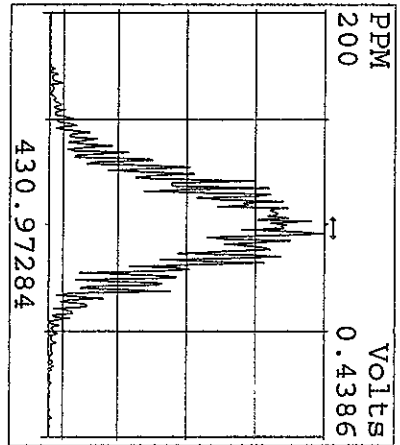
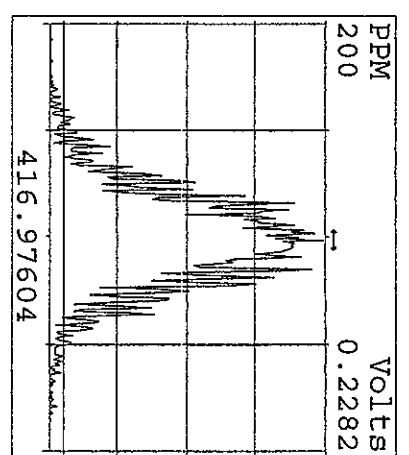
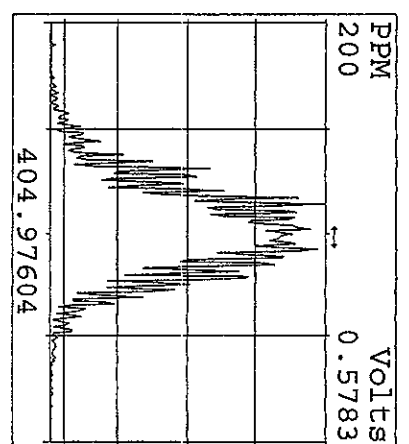
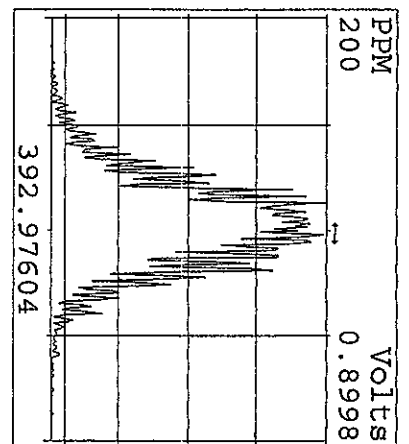
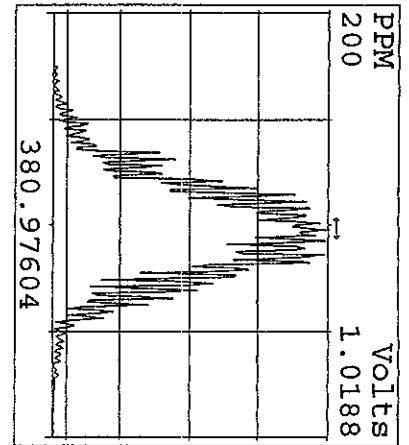
Peak Locate Examination: 6-OCT-2010:09:45 File:060C101D5
 Experiment:DIOXINRES Function:3 Reference:PFK



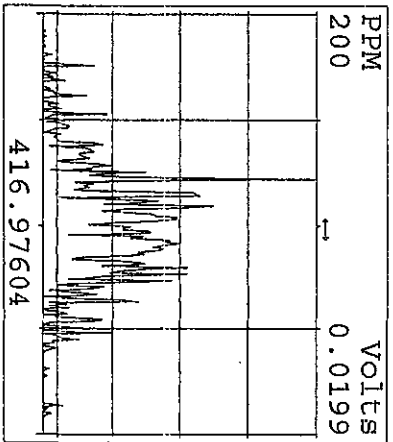
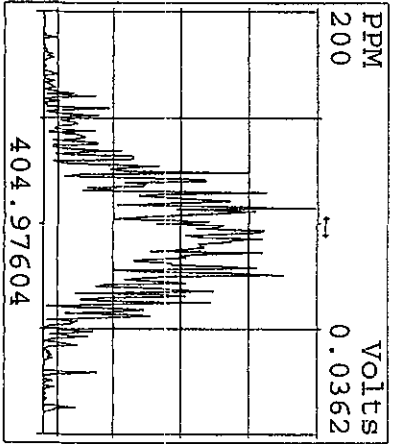
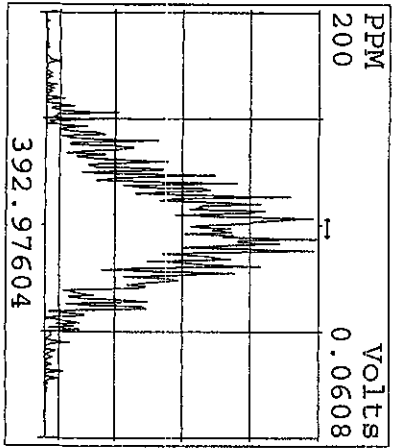
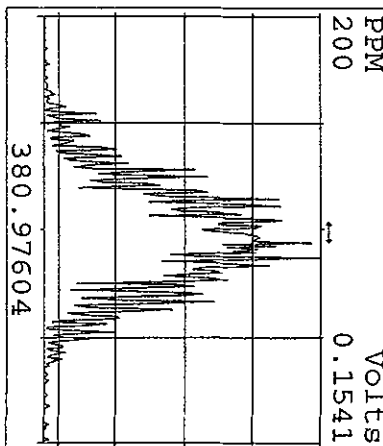
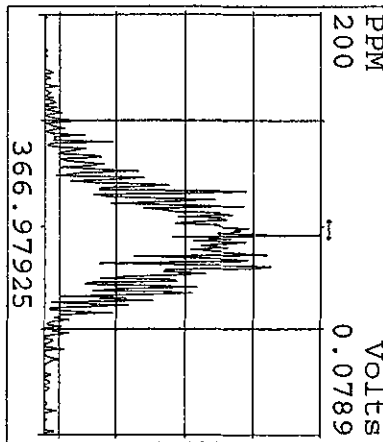
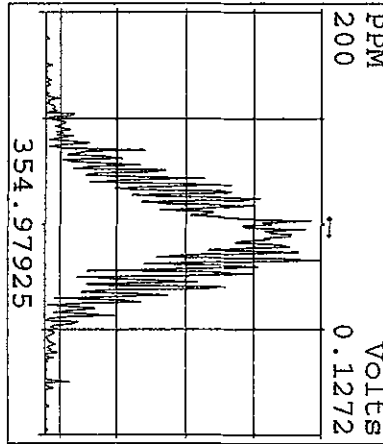
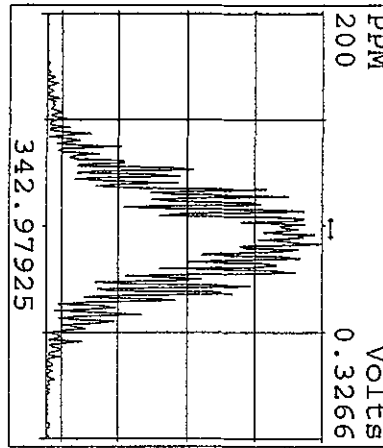
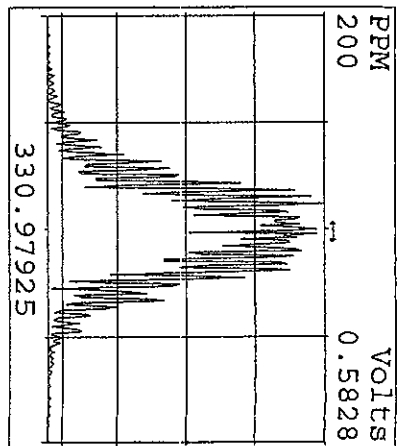
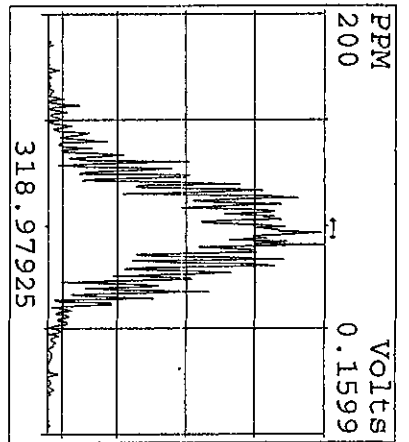
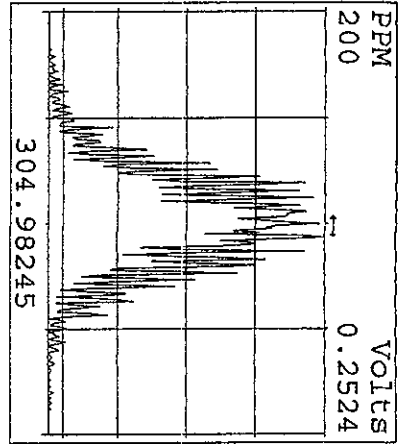
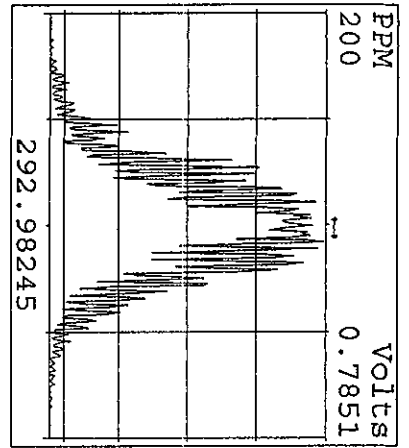
Peak Locate Examination: 6-OCT-2010:09:45 File:060C101D5
 Experiment:DIOXINRES Function:4 Reference:PFK



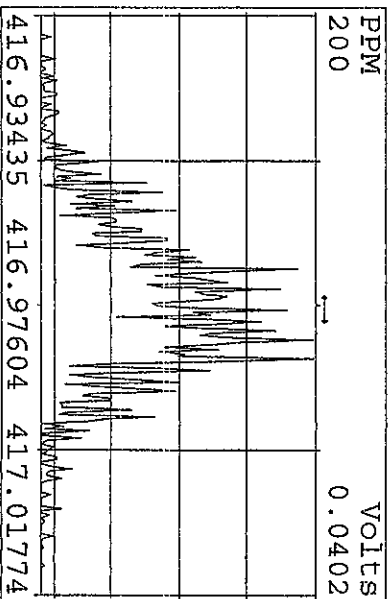
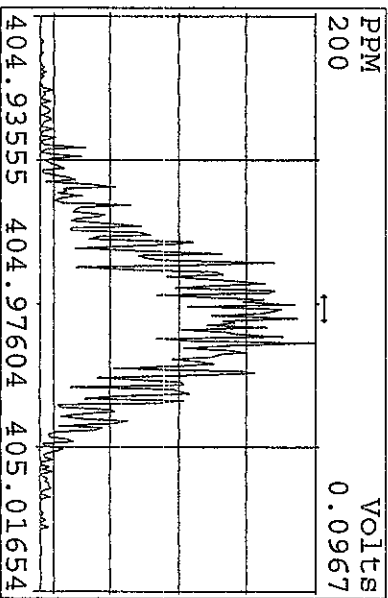
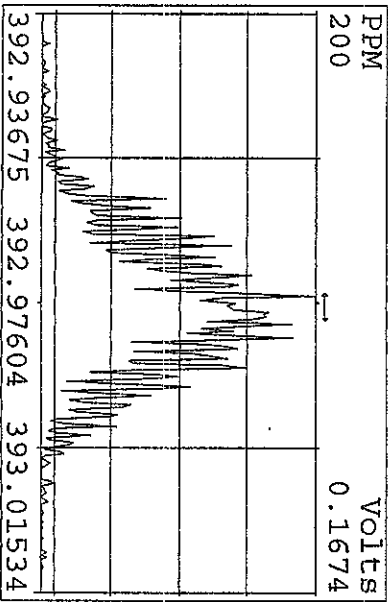
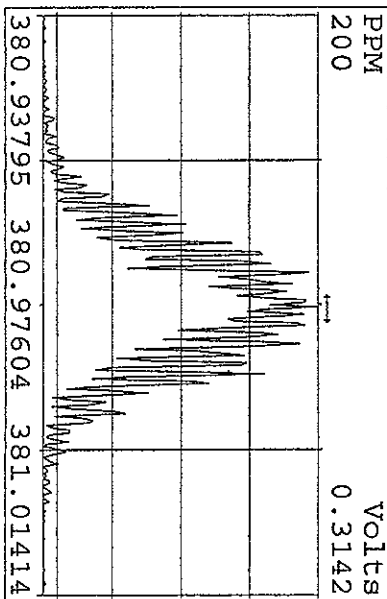
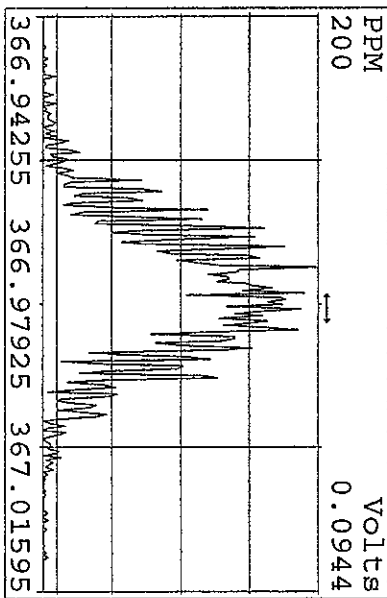
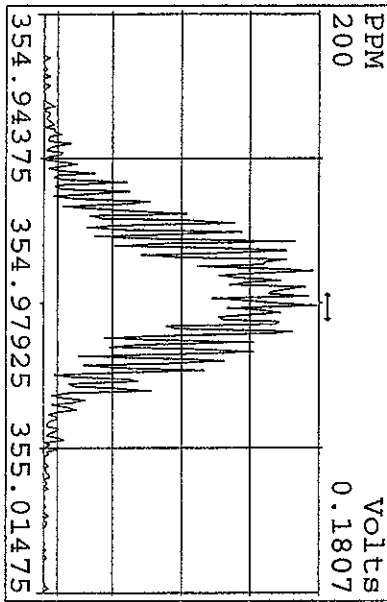
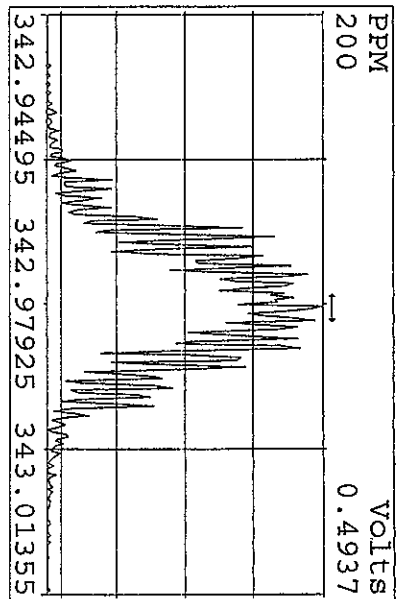
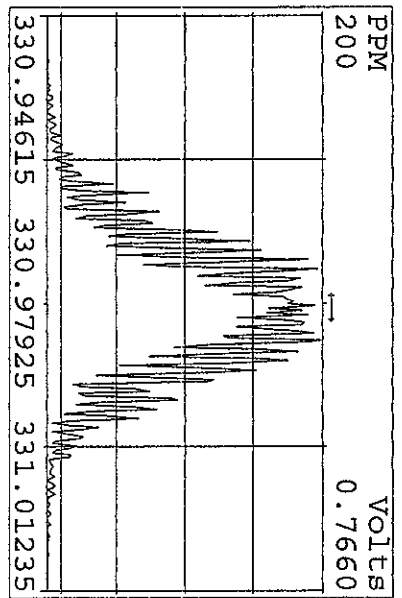
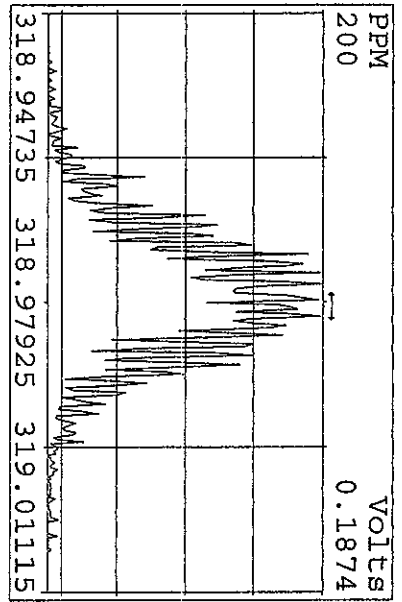
Peak Locate Examination: 6-OCT-2010:09:46 File:060C101D5
Experiment:DIOXINRES Function:5 Reference:PFK



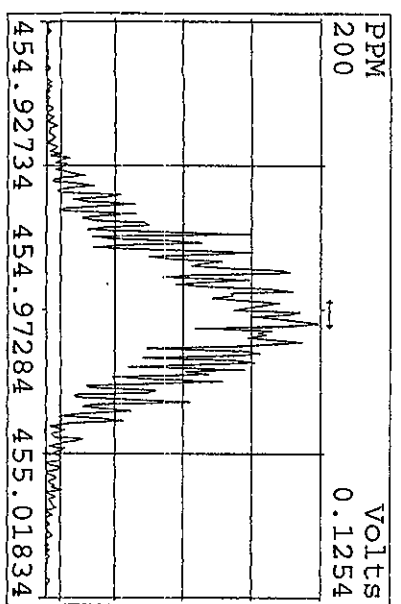
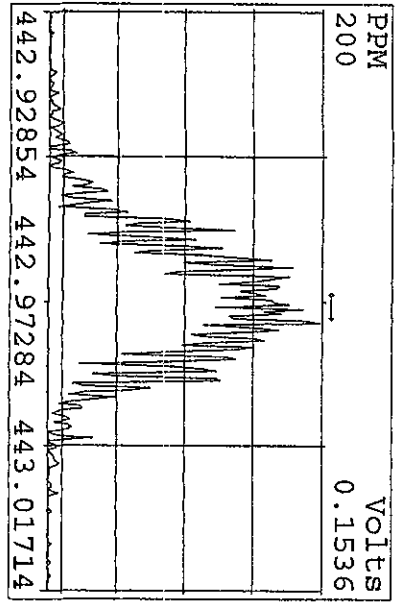
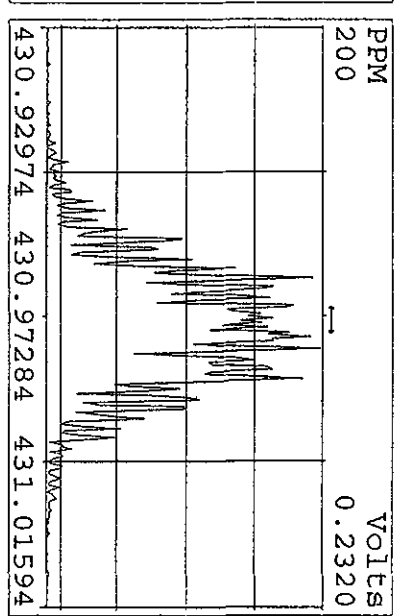
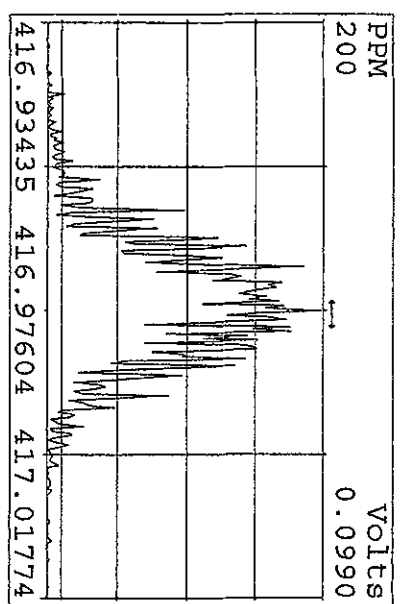
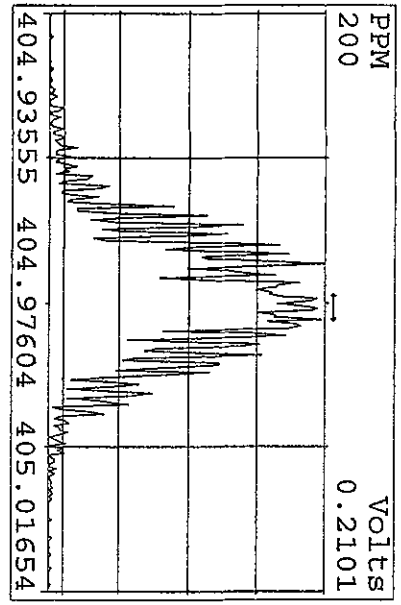
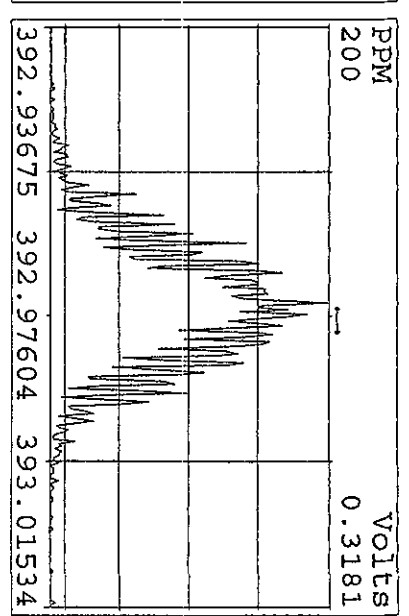
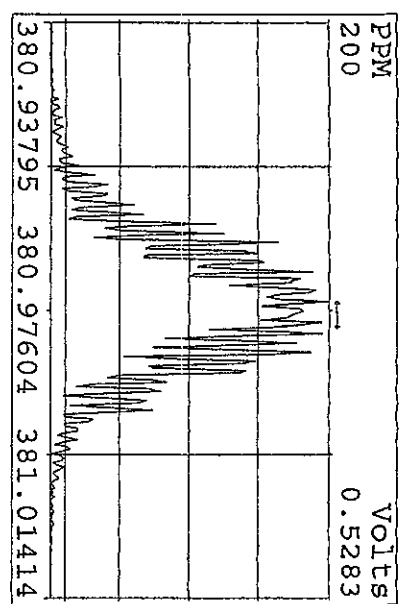
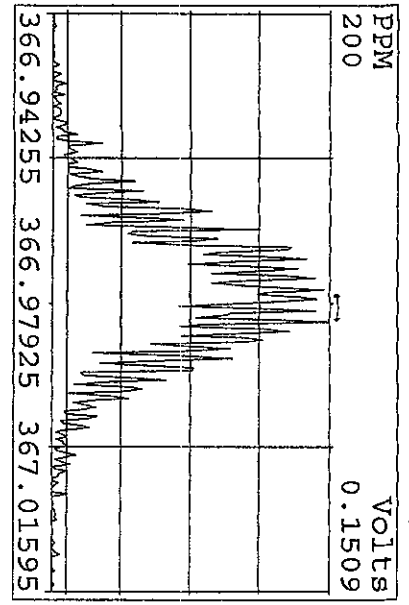
Peak Locate Examination: 6-OCT-2010:20:18 File:060C101D5ENDRES
Experiment:DIOXINRES Function:1 Reference:PK



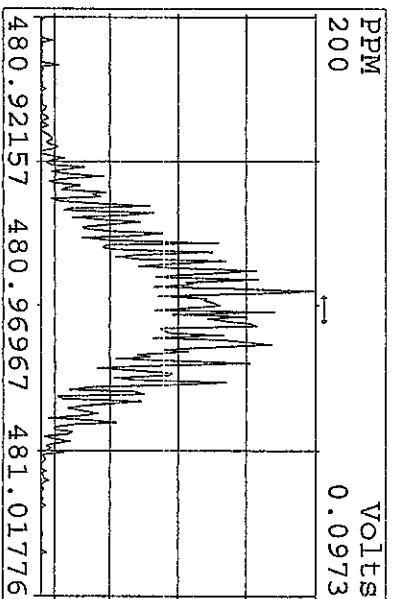
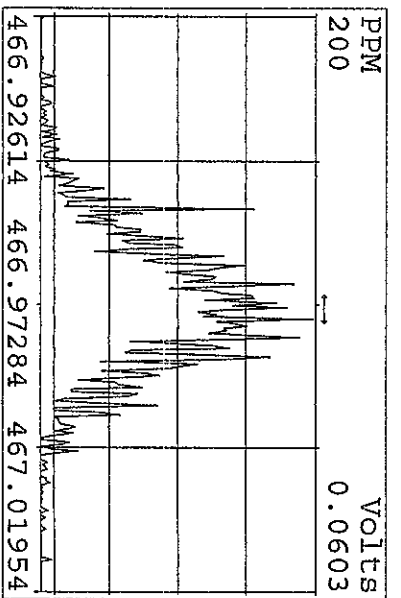
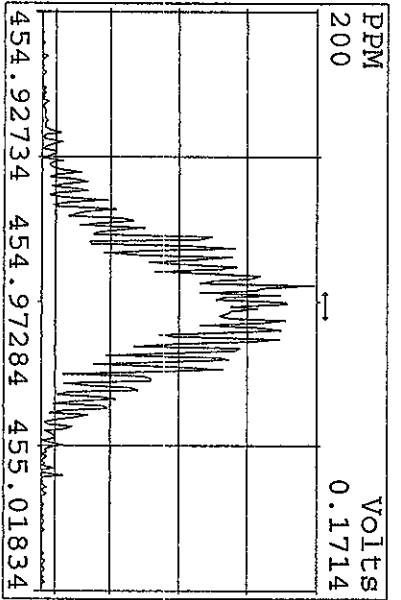
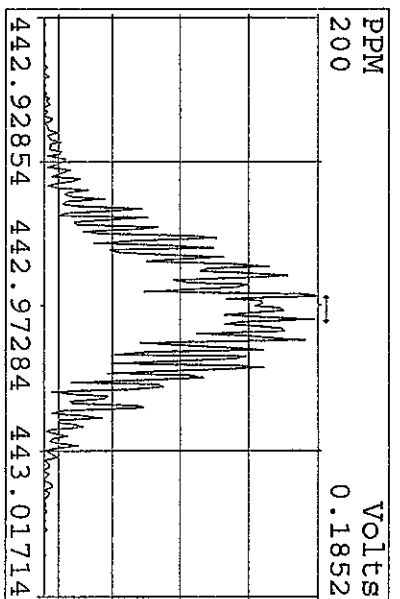
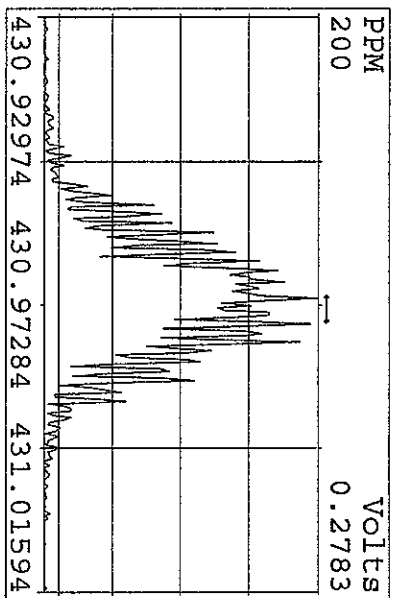
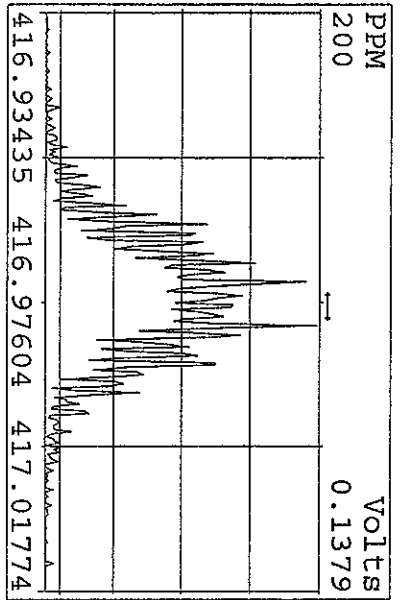
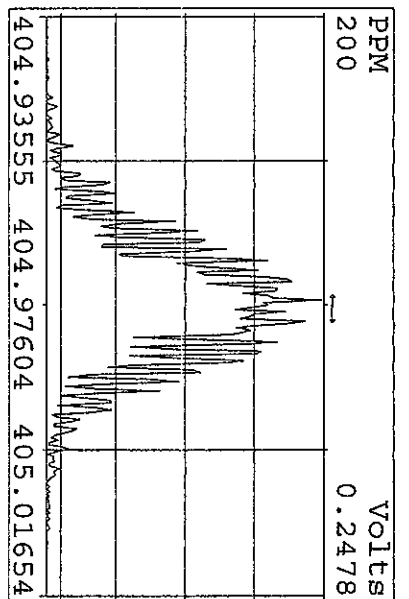
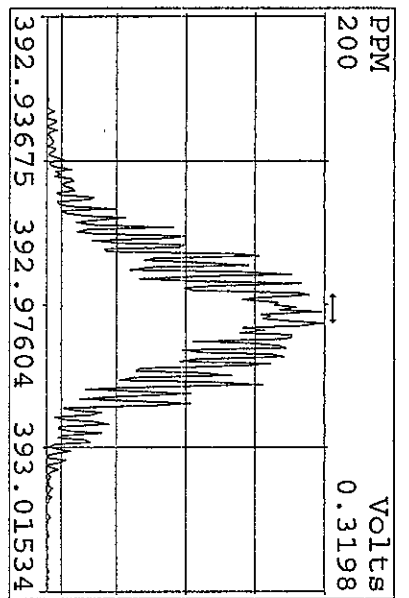
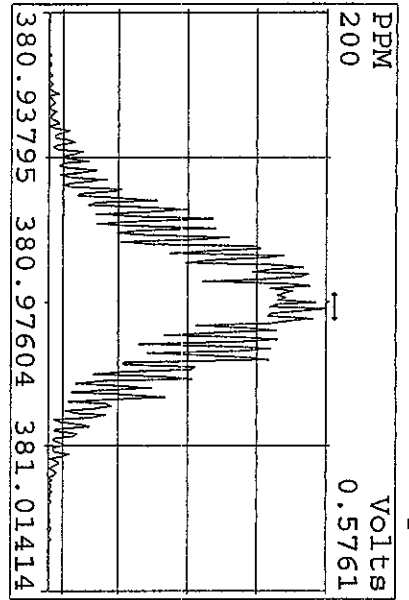
Peak Locate Examination: 6-OCT-2010:20:19 File:060C101D5ENDRES
 Experiment:DIOXINRES Function:2 Reference:PFK



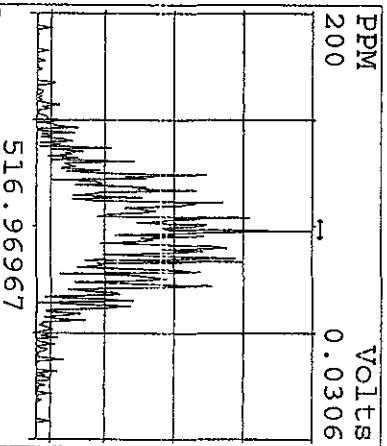
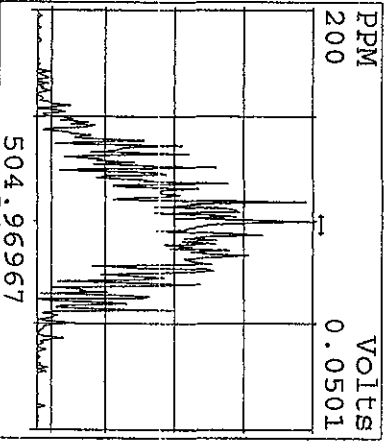
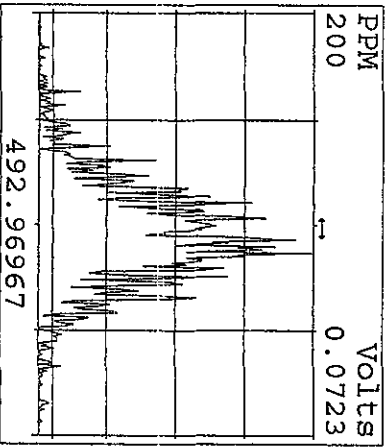
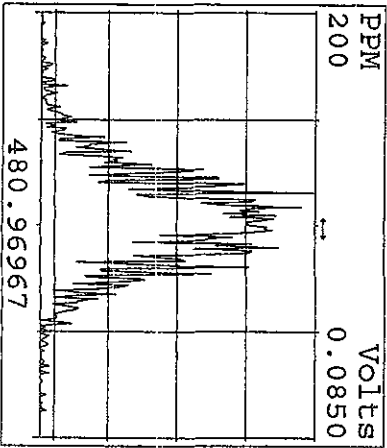
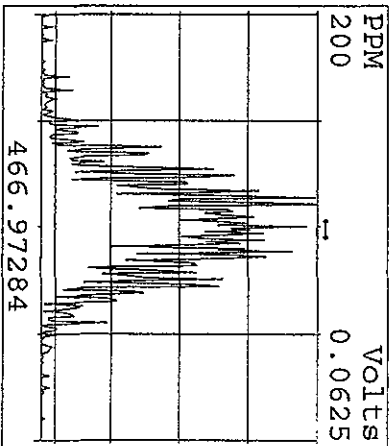
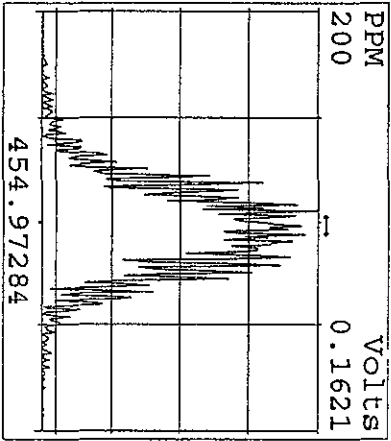
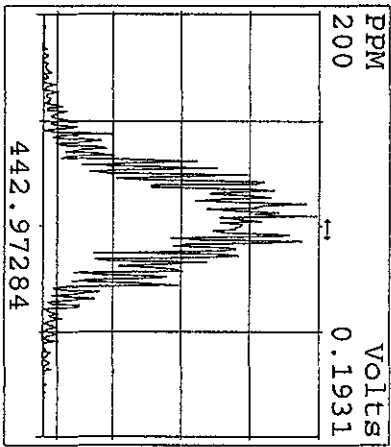
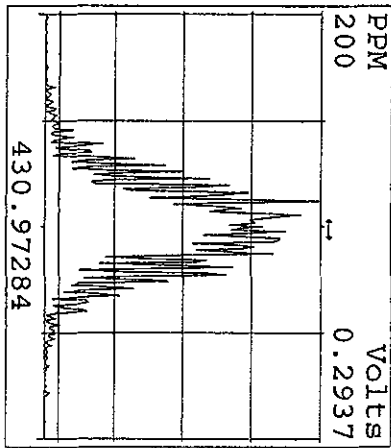
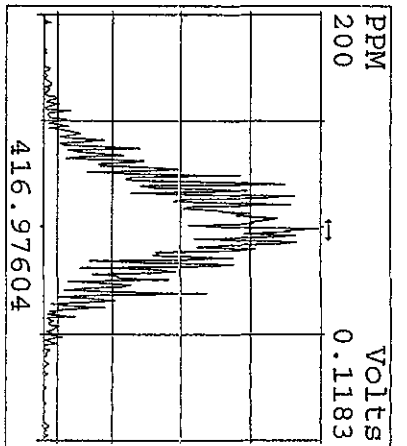
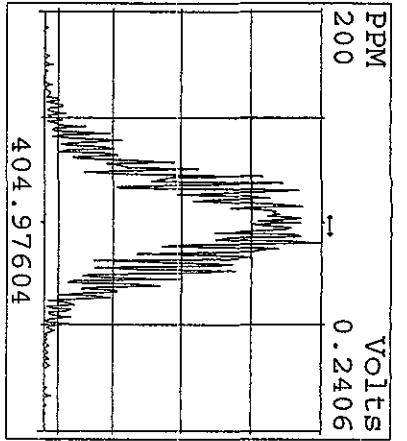
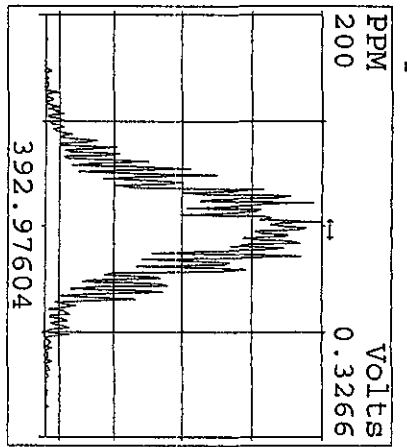
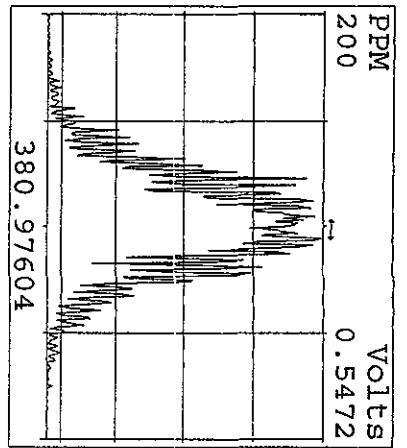
Peak Locate Examination: 6-OCT-2010:20:20 File:060C101D5ENDRES
Experiment:DIOXINRES Function:3 Reference:PFK



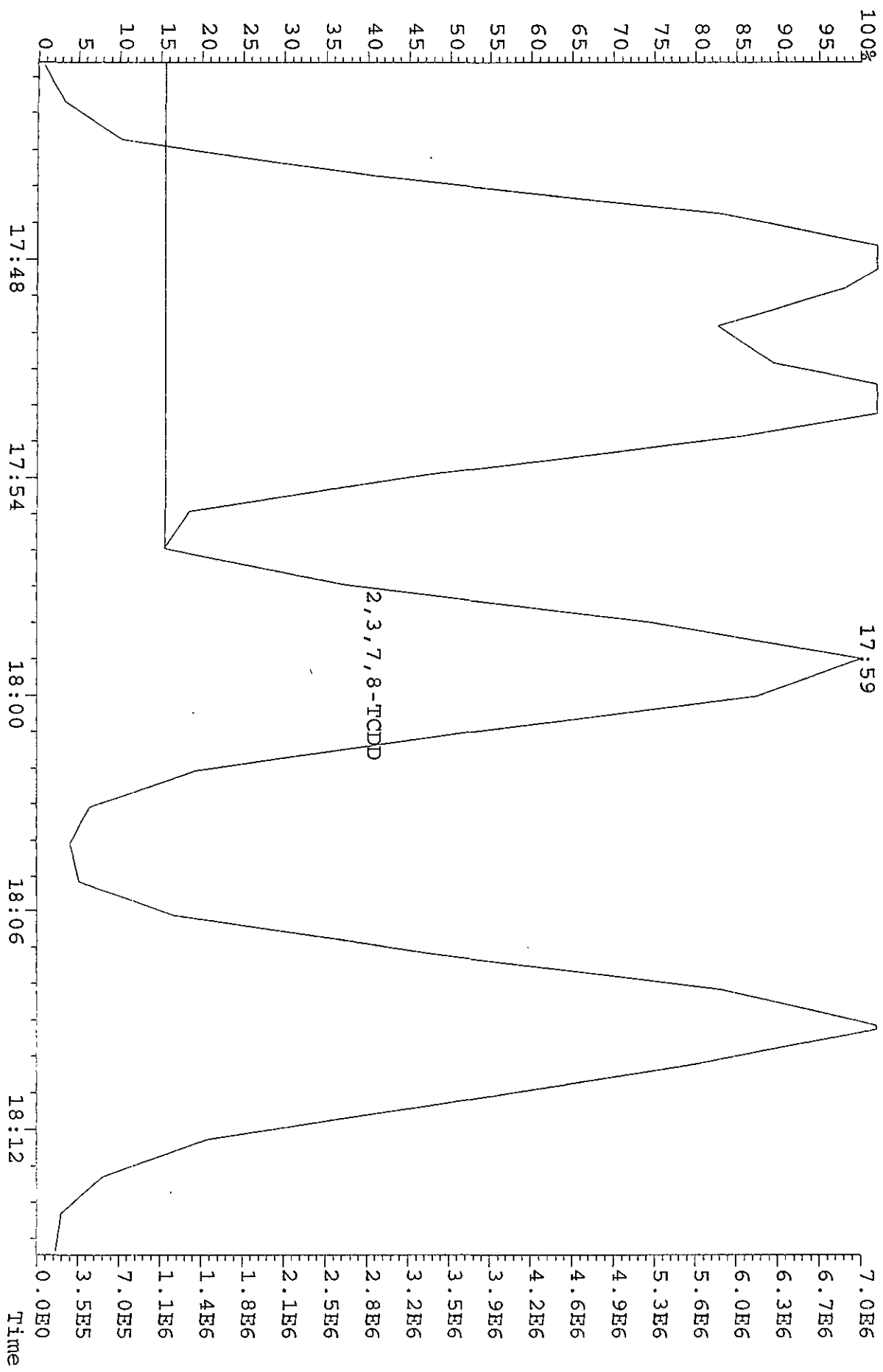
Peak Locate Examination: 6-OCT-2010:20:20 File:060C101D5ENDRES
 Experiment:DIOXINRES Function:4 Reference:PFK



Peak Locate Examination: 6-OCT-2010:20:21 File:060C101D5ENDRES
Experiment:DIOXINRES Function:5 Reference:PKF



File: 060C101D5 #1-382 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage SIR 70SE
 Sample#1 Text: CPI006 :DB-5 CPSM 3732-09 Exp: DIOXINRES
 319.8965



Run: 060C101D5 Analyte: T09 Cal: T090914101D5

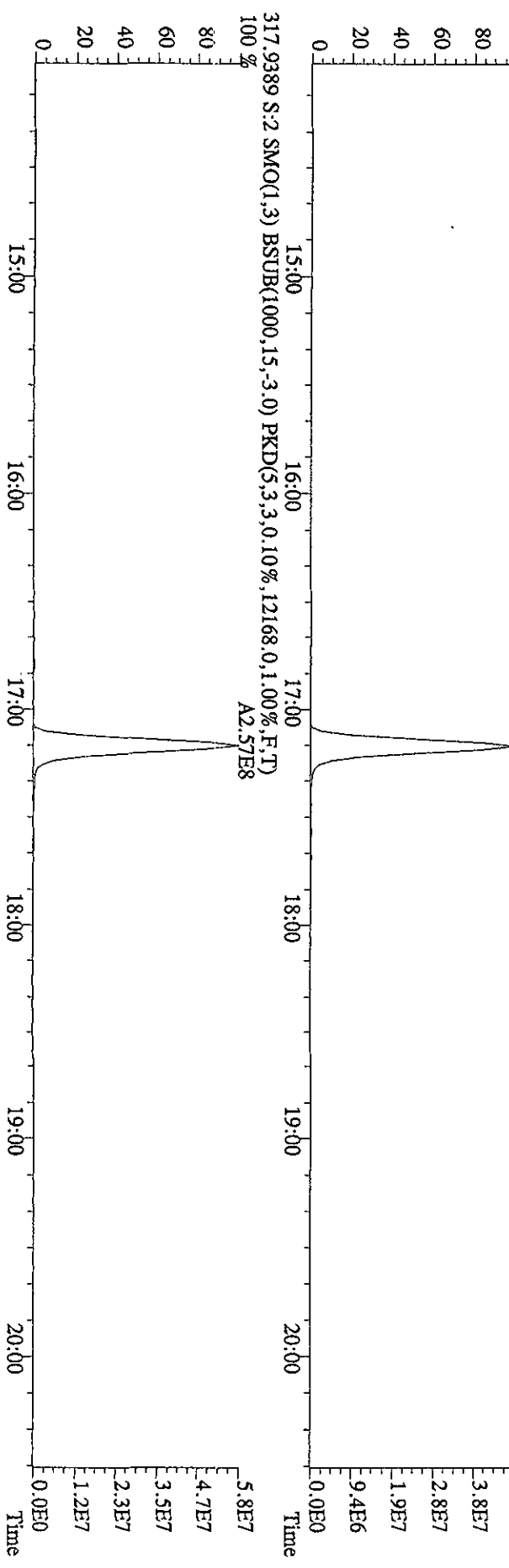
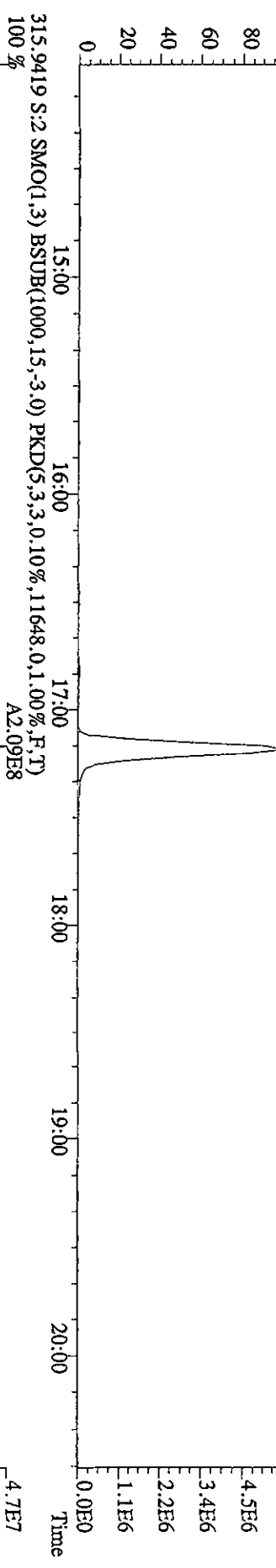
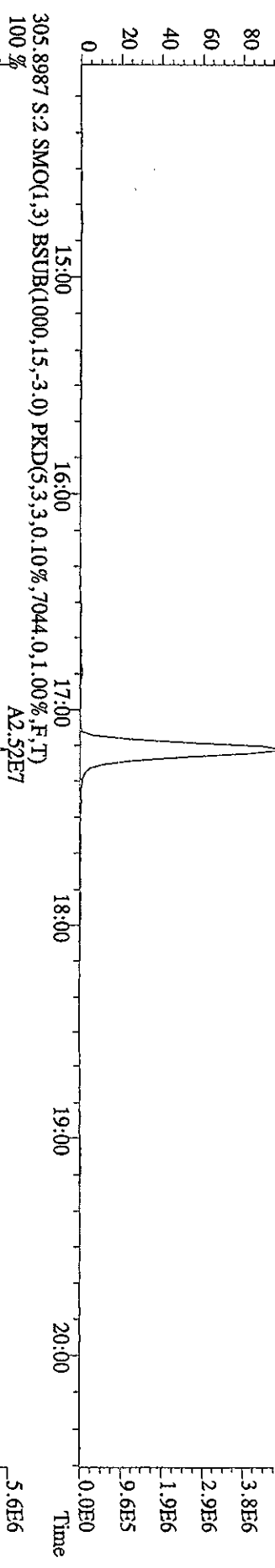
ST0914B :CS1 10DXN342 ST0914A :CS2 10DXN335 ST0914 :CS3 10DXN426
 ST0914D :CS4 10DXN337 ST0914C :CS5 10DXN339

14SE101D5 14SE101D5 14SE101D5 14SE101D5 14SE101D5

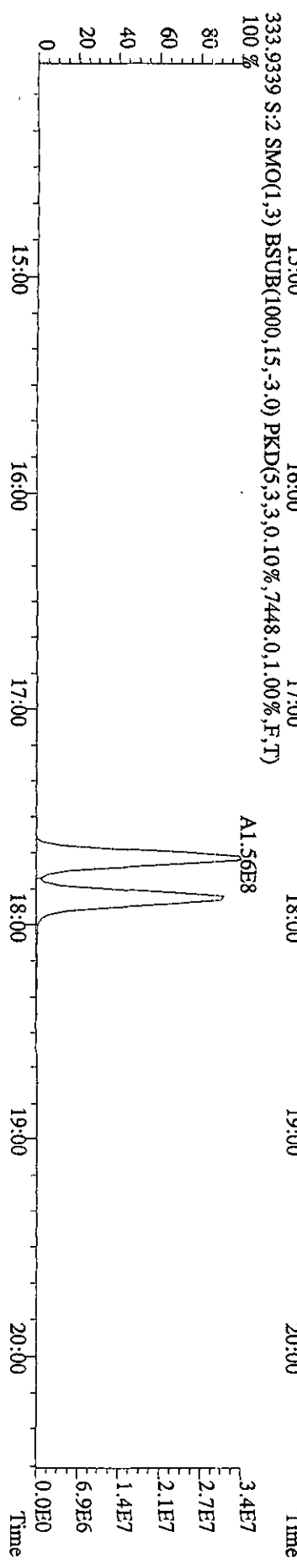
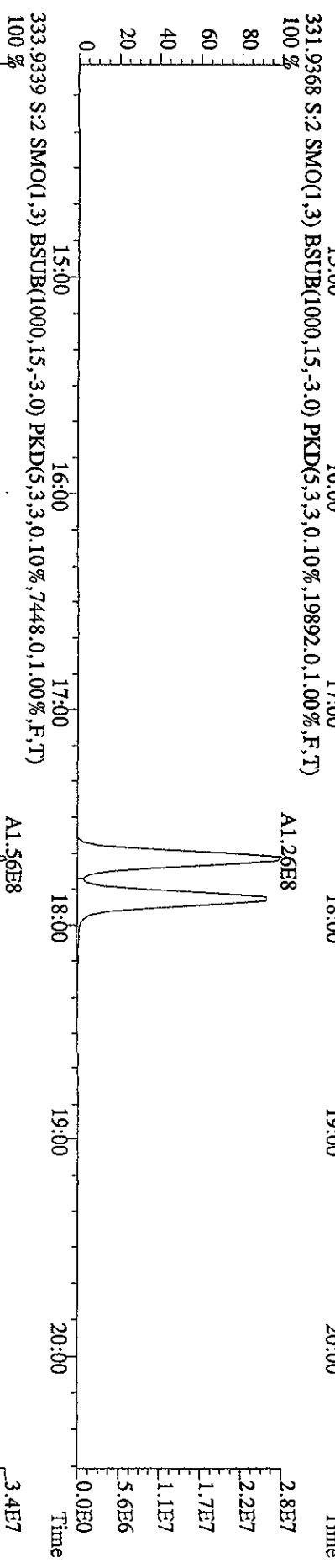
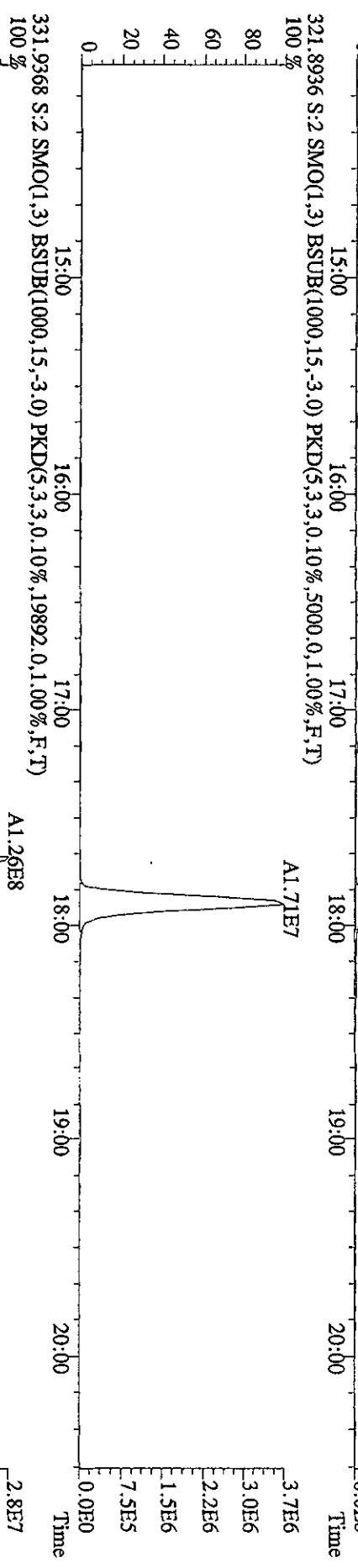
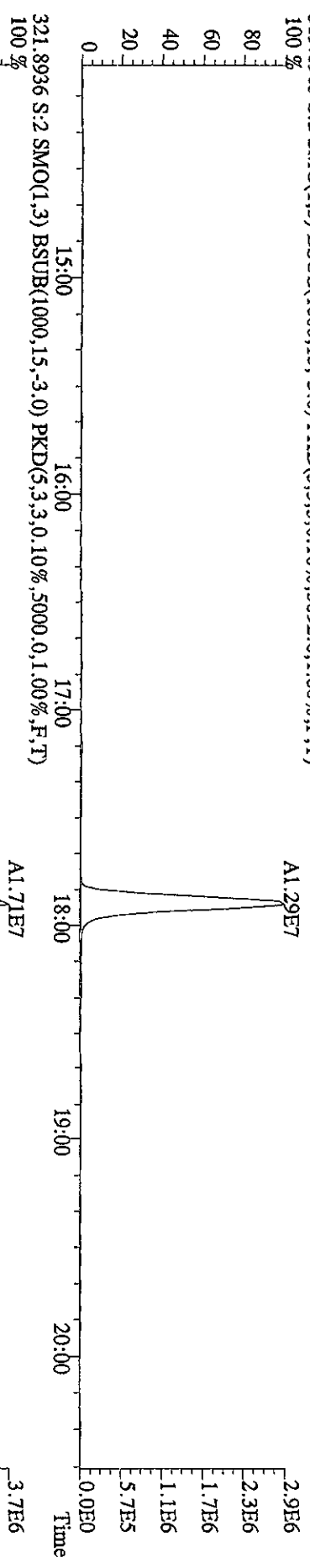
Name	Mean	S. D.	%RSD	S4 RRF1	S3 RRF2	S2 RRF3	S6 RRF4	S5 RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.563	0.037	2.40 %	1.57	1.61	1.55	1.57	1.51
2,3,7,8-TCDF	0.984	0.116	11.8 %	0.90	0.82	1.05	1.08	1.07
Total TCDF	0.984	0.116	11.8 %	0.90	0.82	1.05	1.08	1.07
13C-2,3,7,8-TCDD	0.921	0.041	4.42 %	0.95	0.94	0.96	0.87	0.88
2,3,7,8-TCDD	1.032	0.111	10.8 %	0.91	0.92	1.06	1.14	1.13
Total TCDD	1.032	0.111	10.8 %	0.91	0.92	1.06	1.14	1.13
37Cl-2,3,7,8-TCDD	1.226	0.171	14.0 %	1.03	1.10	1.20	1.37	1.43
13C-1,2,3,7,8-PeCDF	1.053	0.139	13.2 %	1.15	1.20	1.10	0.96	0.86
1,2,3,7,8-PeCDF	1.092	0.151	13.8 %	0.89	0.97	1.22	1.19	1.19
2,3,4,7,8-PeCDF	1.018	0.140	13.8 %	0.82	0.92	1.14	1.10	1.11
Total F2 PeCDF	1.055	0.145	13.8 %	0.85	0.95	1.18	1.15	1.15
Total F1 PeCDF	1.055	0.145	13.8 %	0.85	0.95	1.18	1.15	1.15
13C-1,2,3,7,8-PeCDD	0.561	0.085	15.1 %	0.61	0.65	0.59	0.51	0.44
1,2,3,7,8-PeCDD	1.070	0.156	14.6 %	0.89	0.92	1.16	1.16	1.22
Total PeCDD	1.070	0.156	14.6 %	0.89	0.92	1.16	1.16	1.22
1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
1,2,3,4,7,8-HxCDF	0.991	0.061	6.19 %	1.00	1.05	1.00	1.01	0.89
1,2,3,4,7,8-HxCDF	1.261	0.122	9.70 %	1.11	1.21	1.40	1.38	1.20
1,2,3,6,7,8-HxCDF	1.531	0.150	9.79 %	1.33	1.47	1.58	1.53	1.74
2,3,4,6,7,8-HxCDF	1.407	0.159	11.3 %	1.20	1.29	1.52	1.43	1.59
1,2,3,7,8,9-HxCDF	1.396	0.174	12.5 %	1.16	1.30	1.53	1.41	1.58
Total HxCDF	1.399	0.137	9.83 %	1.20	1.32	1.51	1.44	1.53
1,2,3,6,7,8-HxCDD	0.739	0.034	4.62 %	0.75	0.75	0.73	0.69	0.78
1,2,3,4,7,8-HxCDD	1.120	0.159	14.2 %	0.89	1.05	1.25	1.28	1.13

1,2,3,6,7,8-HxCDD	1.141	0.145	12.7 %	0.94	1.04	1.25	1.26	1.22
1,2,3,7,8,9-HxCDD	1.354	0.182	13.4 %	1.14	1.23	1.58	1.49	1.32
Total HxCDD	1.205	0.158	13.1 %	0.99	1.11	1.36	1.35	1.22
1,2,3,4,6,7,8-HpCDF	0.956	0.098	10.2 %	1.05	1.07	0.89	0.86	0.91
1,2,3,4,6,7,8-HpCDF	1.408	0.193	13.7 %	1.12	1.32	1.61	1.51	1.48
1,2,3,4,7,8,9-HpCDF	1.236	0.121	9.80 %	1.06	1.17	1.36	1.28	1.31
Total HpCDF	1.322	0.157	11.9 %	1.09	1.24	1.49	1.39	1.40
1,2,3,4,6,7,8-HpCDD	0.712	0.085	11.9 %	0.78	0.82	0.67	0.63	0.66
1,2,3,4,6,7,8-HpCDD	1.134	0.139	12.3 %	0.94	1.03	1.26	1.21	1.23
Total HpCDD	1.134	0.139	12.3 %	0.94	1.03	1.26	1.21	1.23
13C-OCDD	0.353	0.054	15.4 %	0.40	0.42	0.32	0.29	0.34
OCDF	2.118	0.323	15.3 %	1.63	1.95	2.36	2.29	2.36
OCDD	1.371	0.158	11.5 %	1.17	1.23	1.52	1.47	1.47

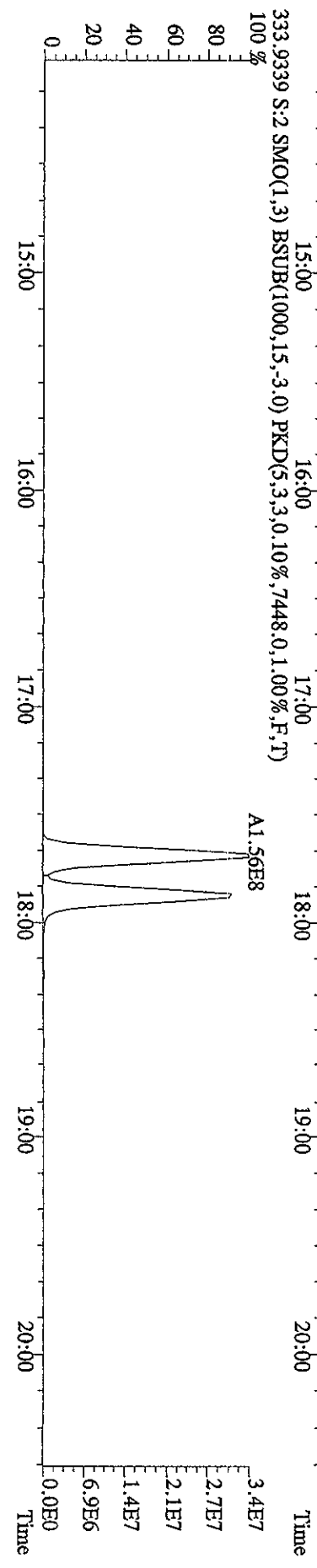
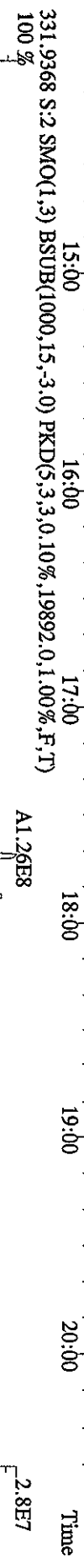
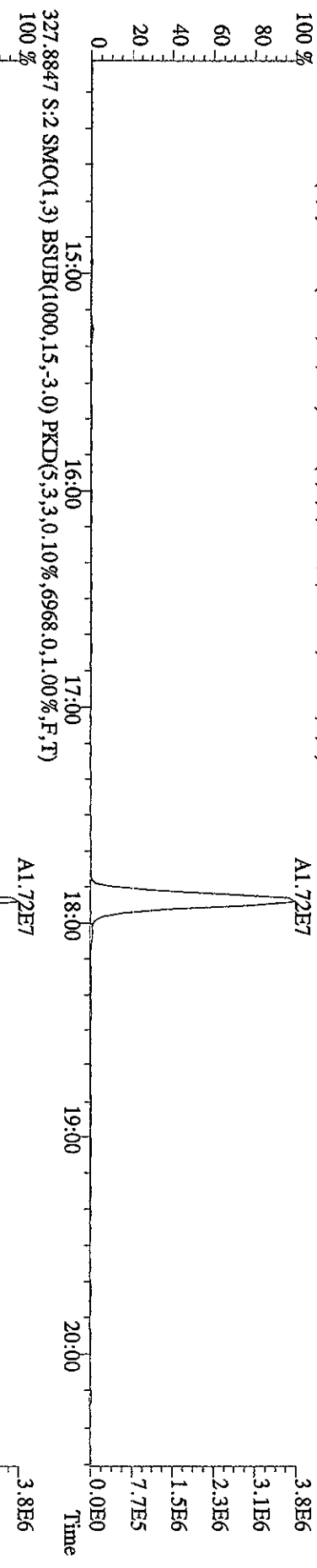
File:06OC101D5 #1-382 Acq: 6-OCT-2010 10:30:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4584.0,1.00%,F,T)
 100% A2.18E7



File:060C101D5 #1-382 Acq: 6-OCT-2010 10:30:05 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5092.0,1.00%,F,T)
 100 %

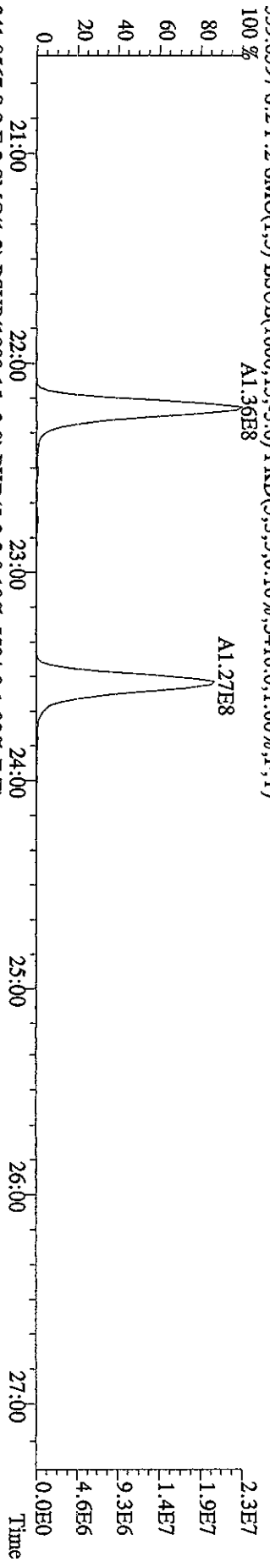


File:06OC101D5 #1-382 Acq: 6-OCT-2010 10:30:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6968,0.1,00%,F,T)
 100 %

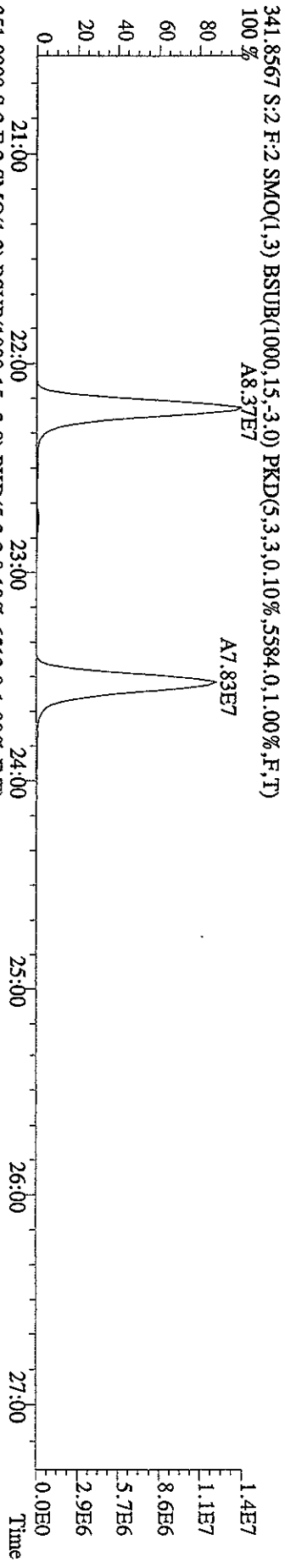


File:06OCT10ID5 #1-422 Acq: 6-OCT-2010 10:30:05 GC EI + Voltage SIR 70SE
Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES

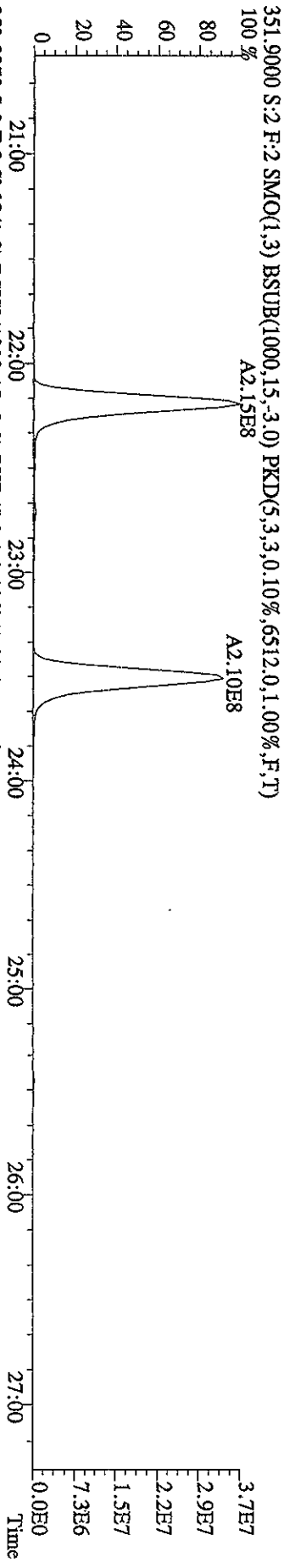
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5416,0,1,00%,F,T)
100%



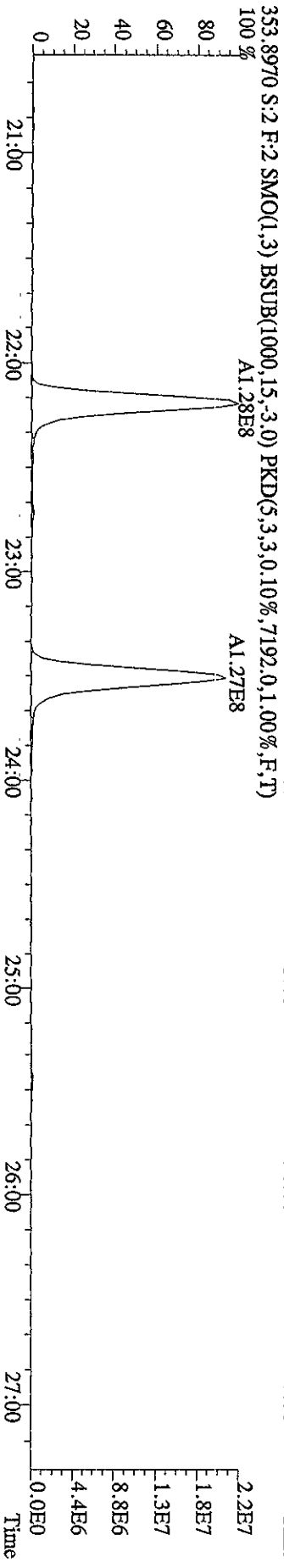
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5584,0,1,00%,F,T)
100%



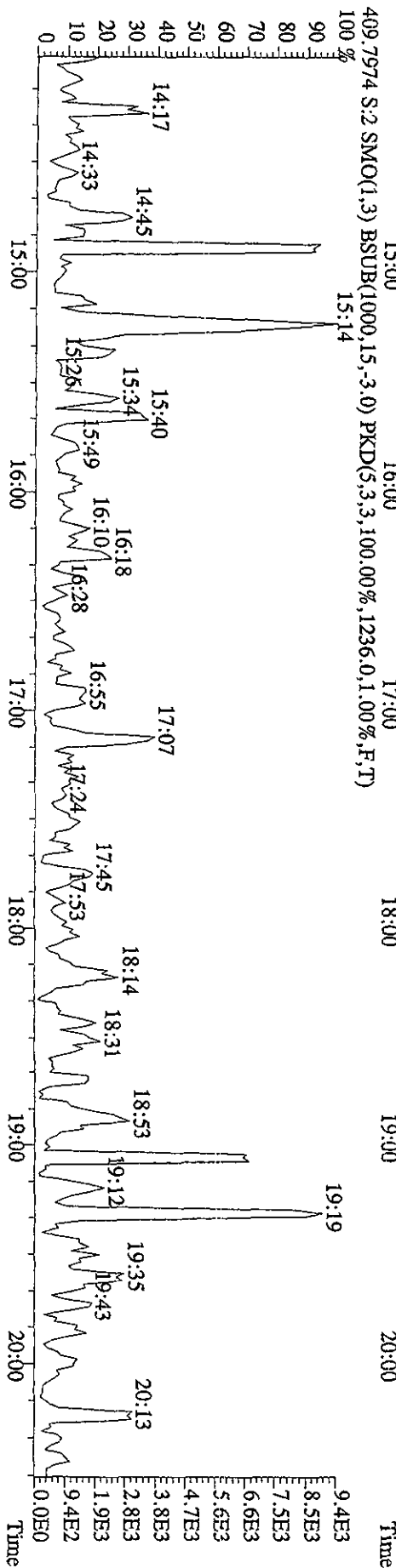
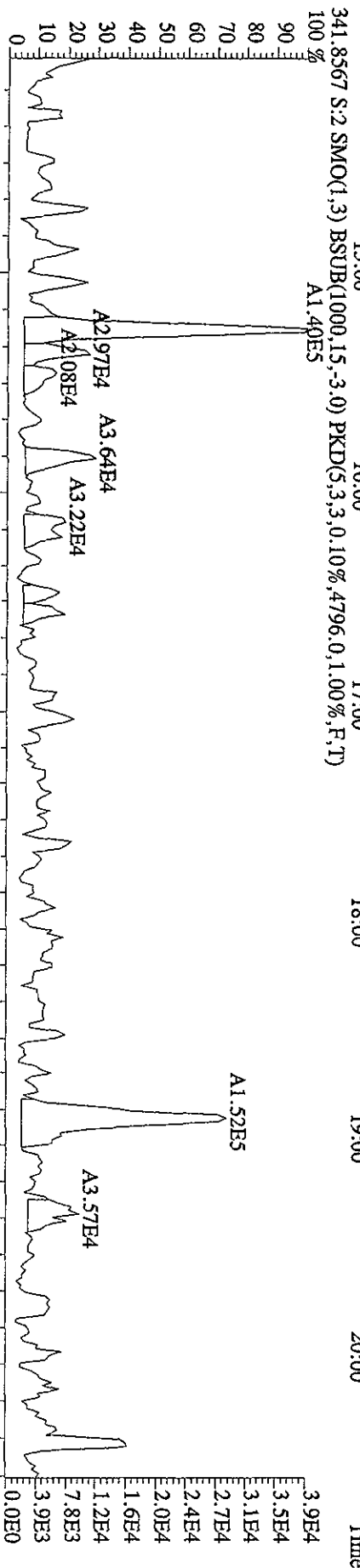
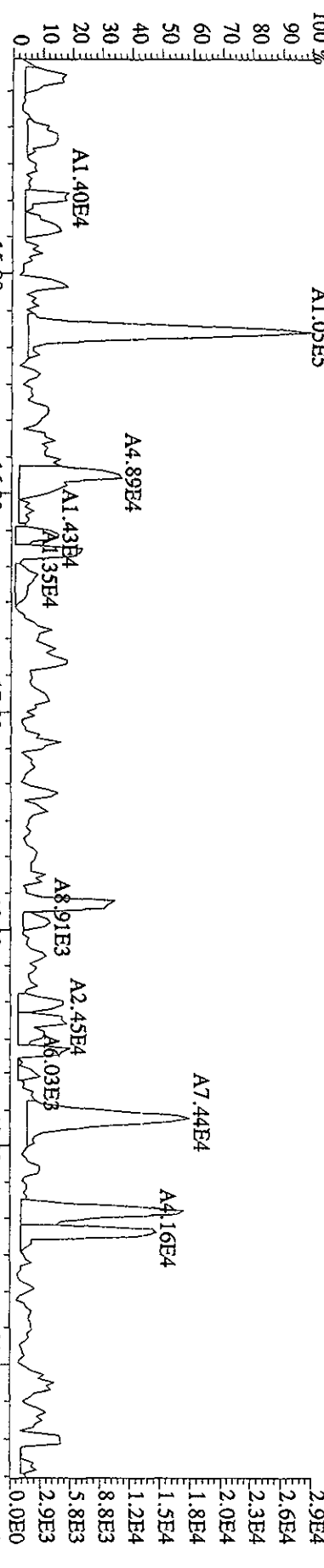
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6512,0,1,00%,F,T)
100%



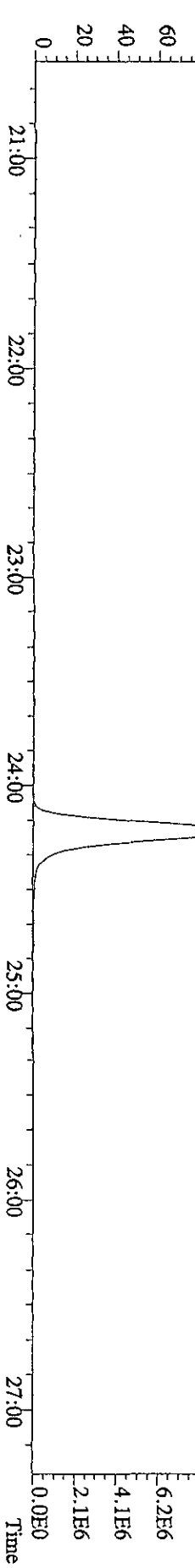
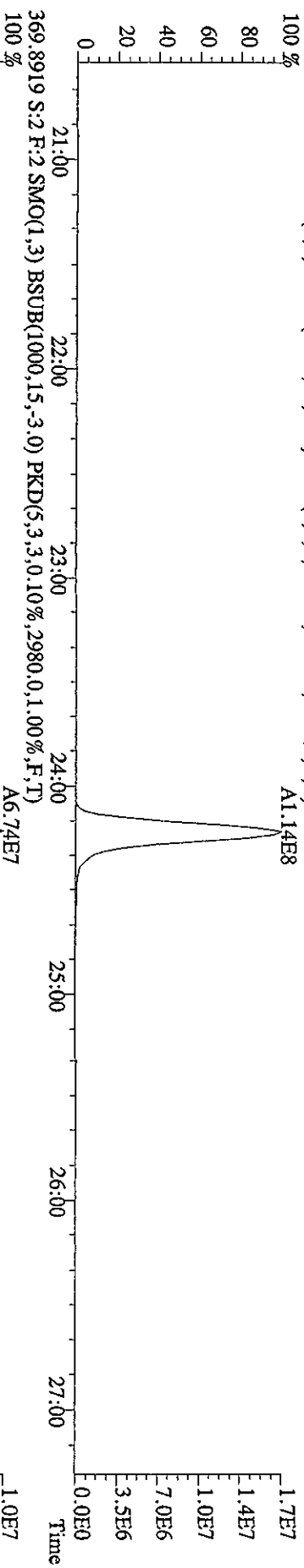
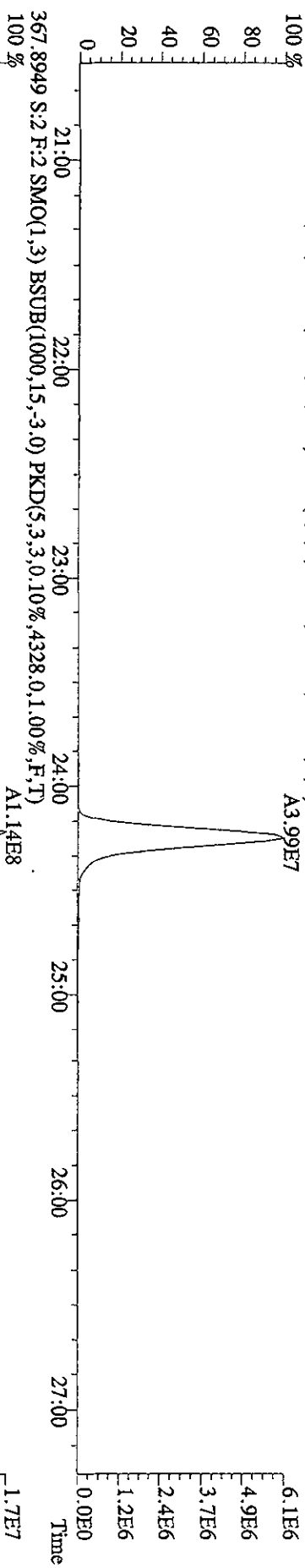
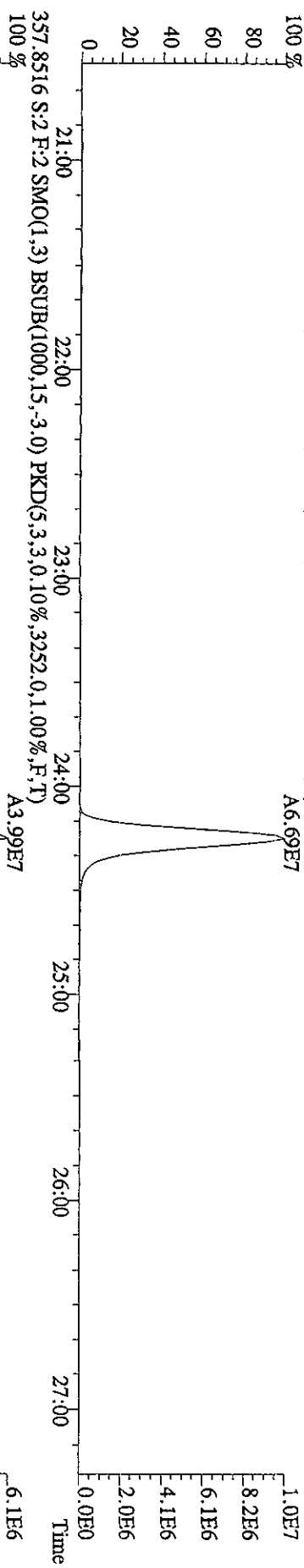
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7192,0,1,00%,F,T)
100%



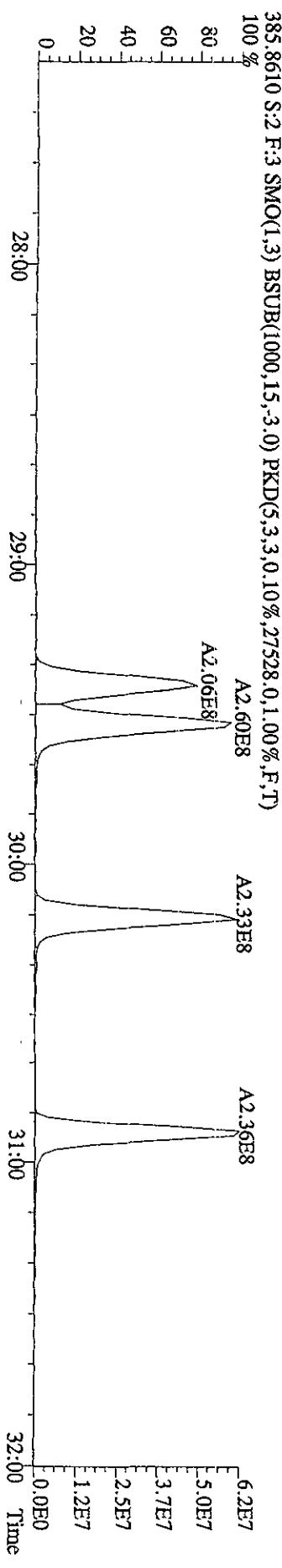
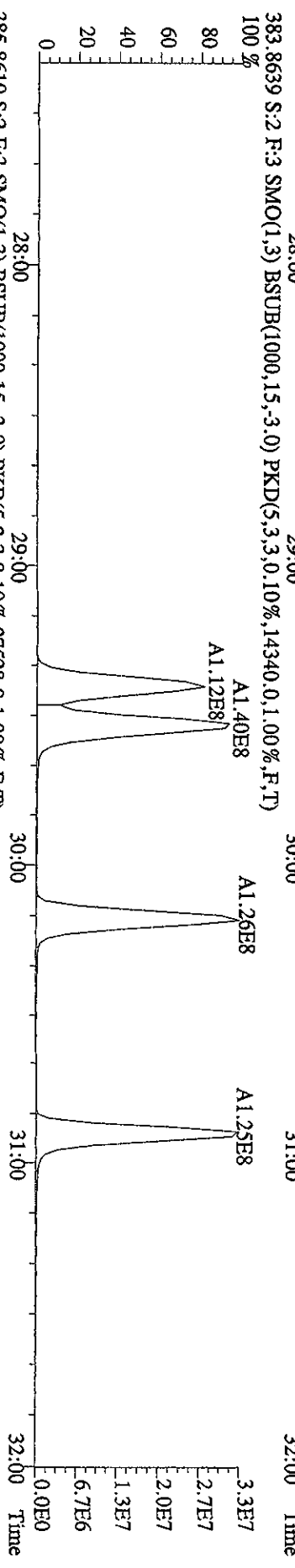
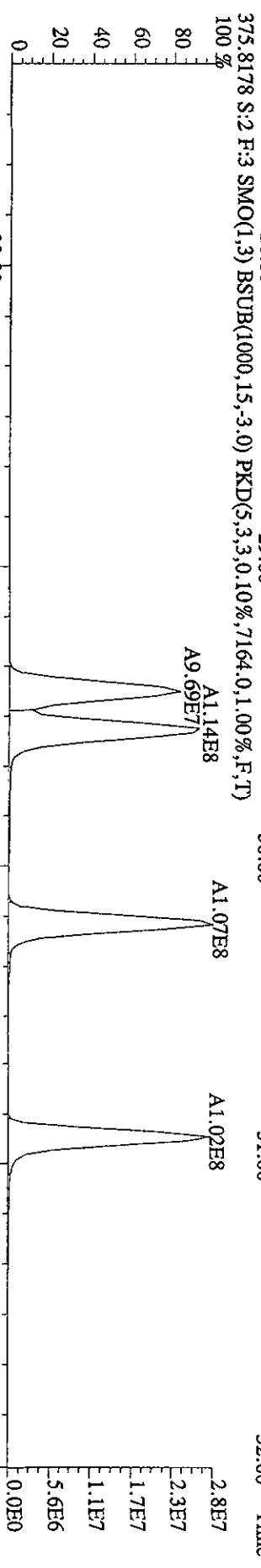
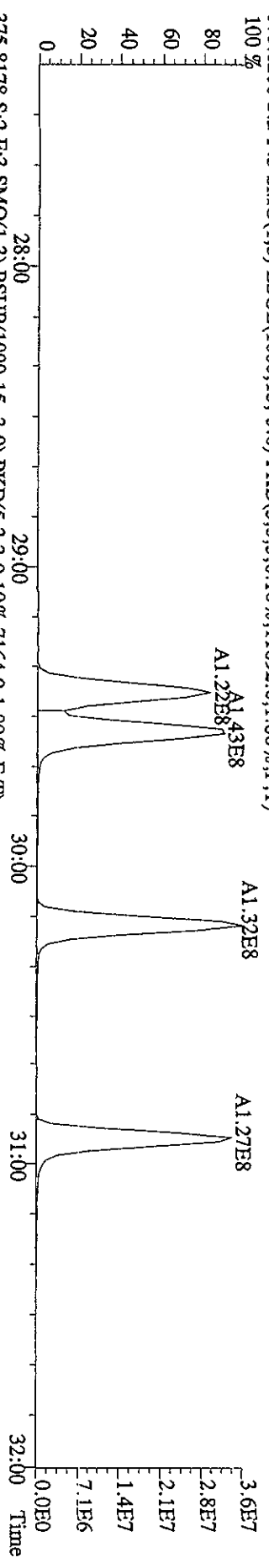
File:06OCT10ID5 #1-382 Acq: 6-OCT-2010 10:30:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES
 339.8597 S.2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2396.0,1.00%,F,T)
 100%



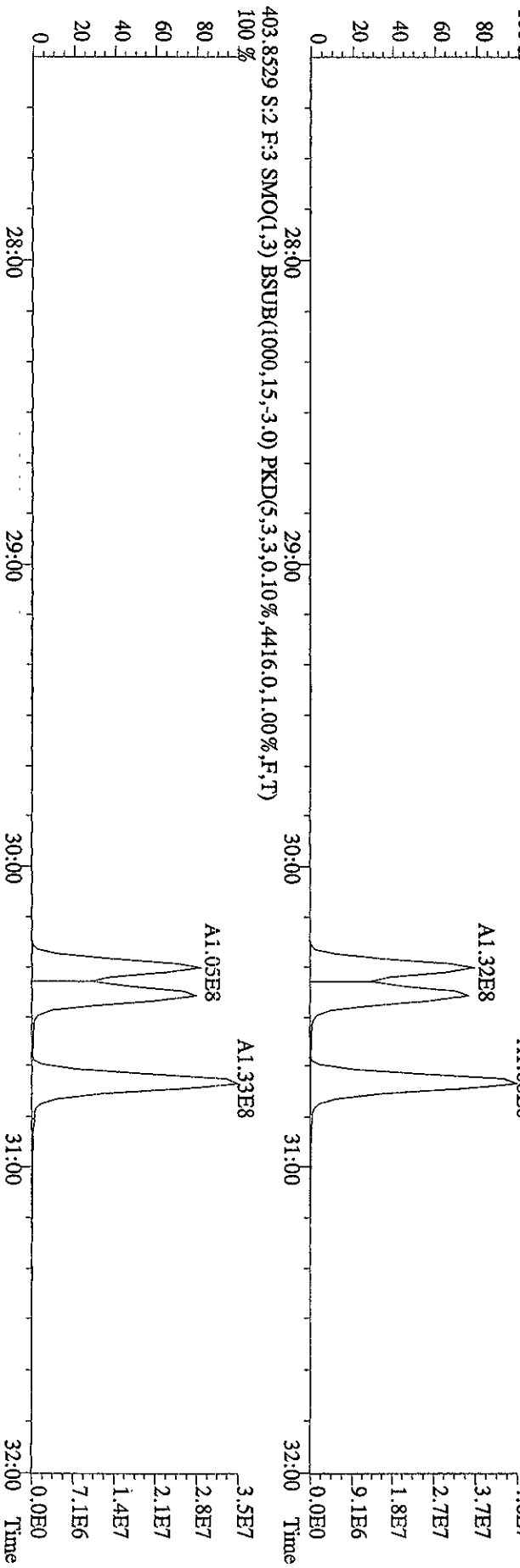
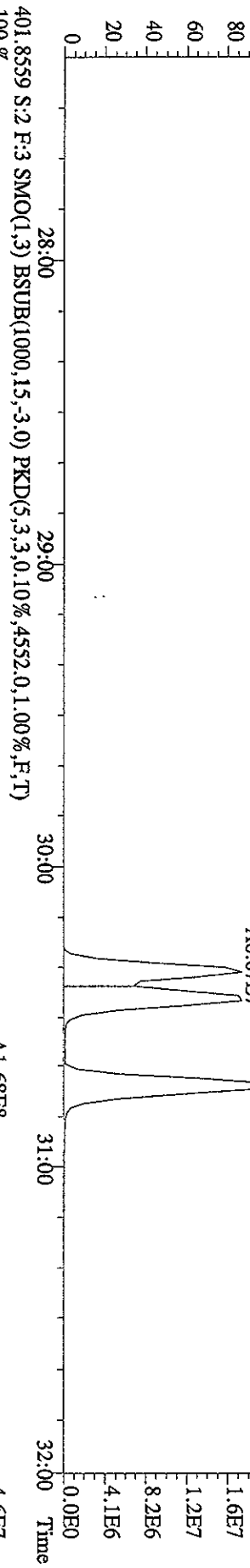
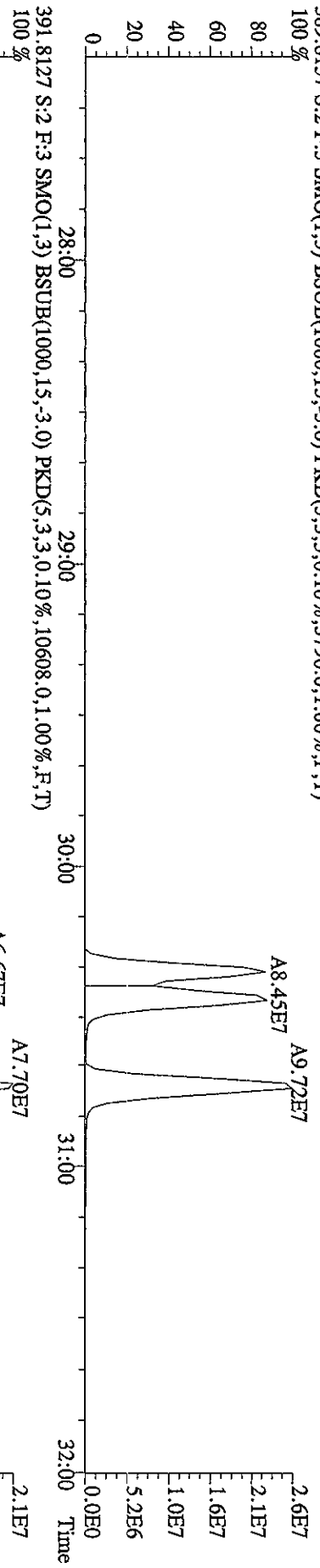
File:060C101D5 #1-422 Acq: 6-OCT-2010 10:30:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7000.0,1.00%,F,T)



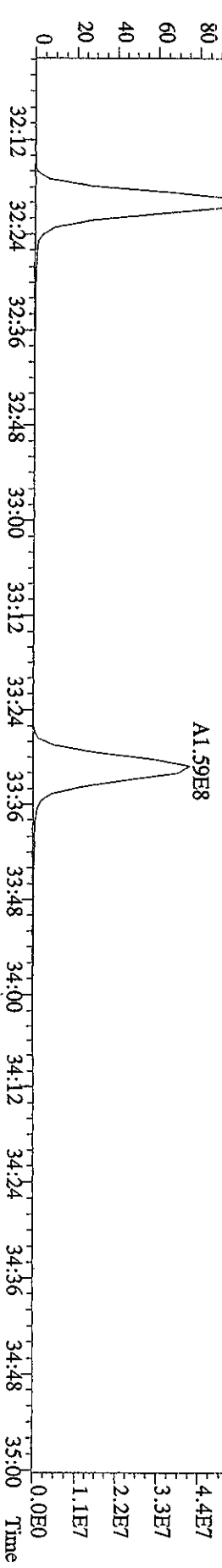
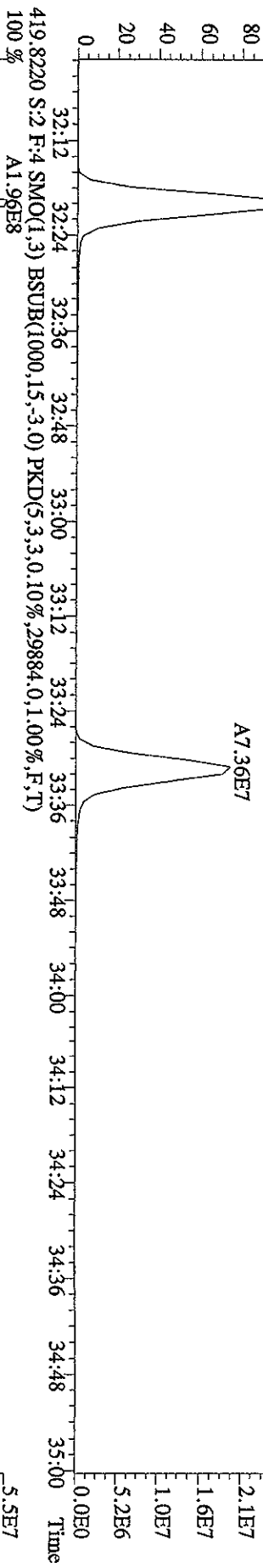
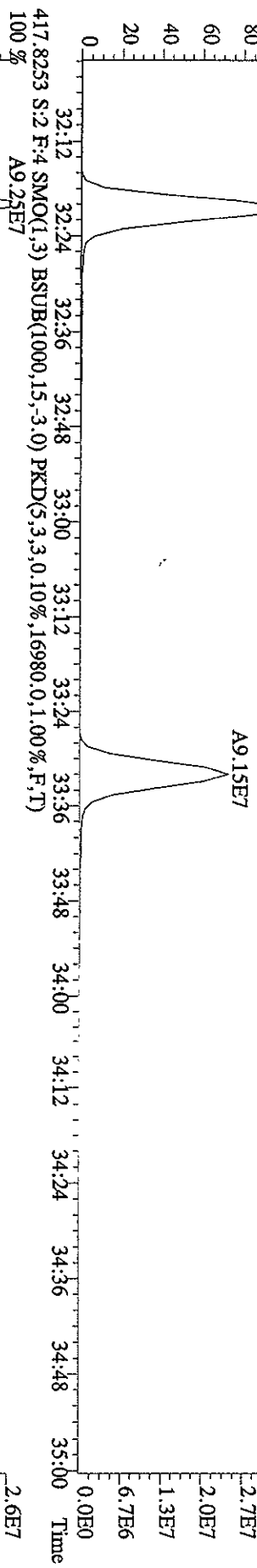
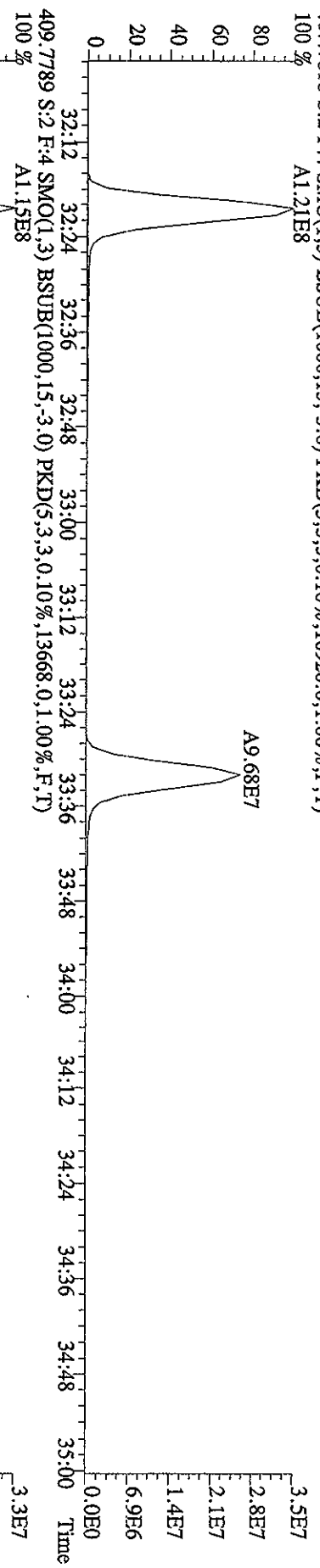
File:060C101D5 #1-301 Acq: 6-OCT-2010 10:30:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11892.0,1.00%,F,T)
 100%

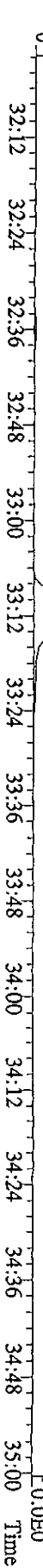
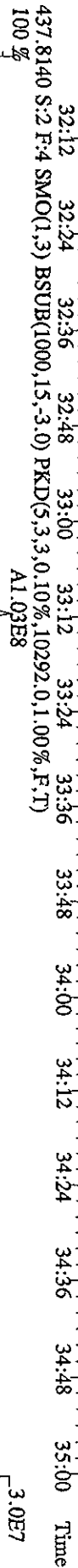
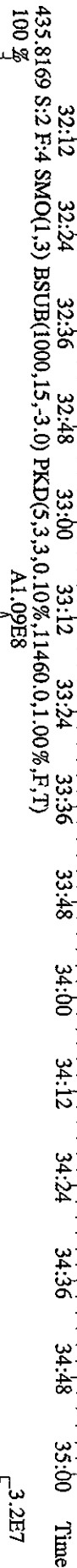
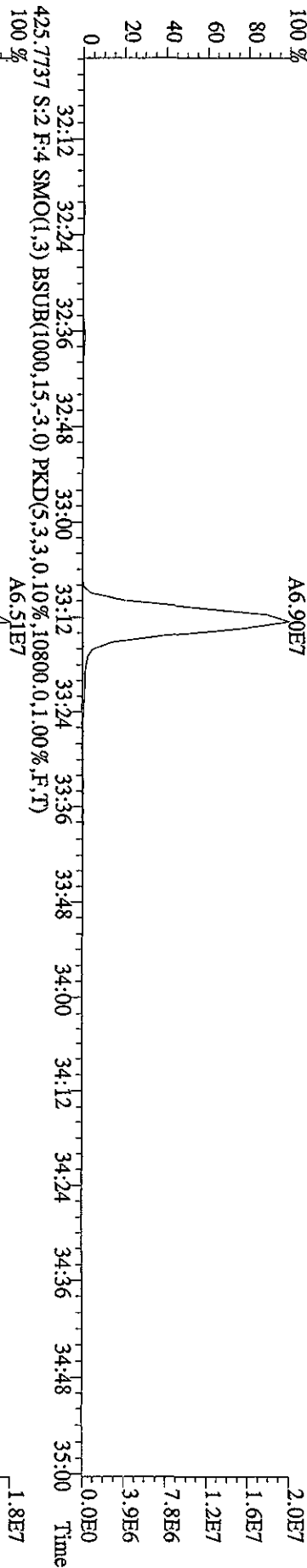


File:06OC101D5 #1-301 Acq: 6-OCT-2010 10:30:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES
 389 8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3796.0,1.00%,F,T)

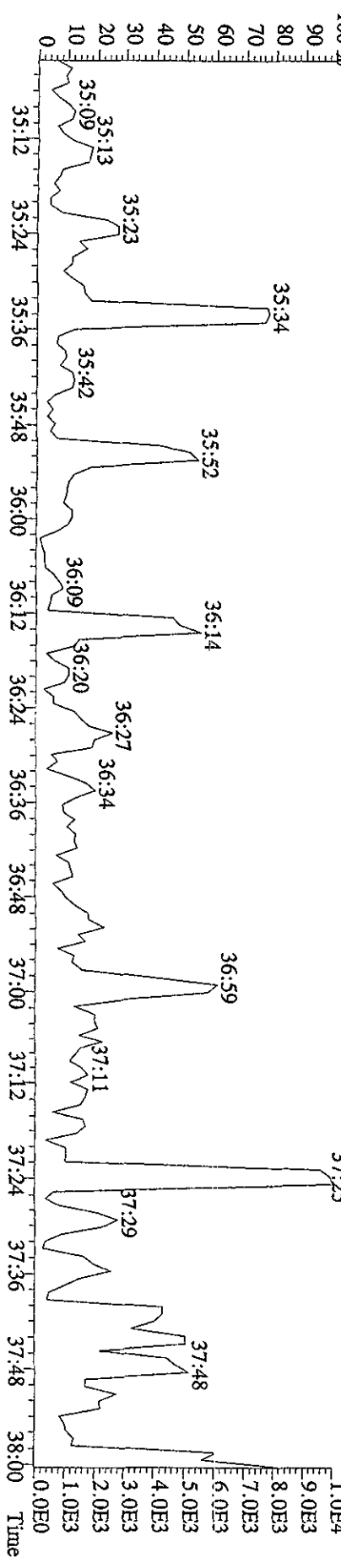
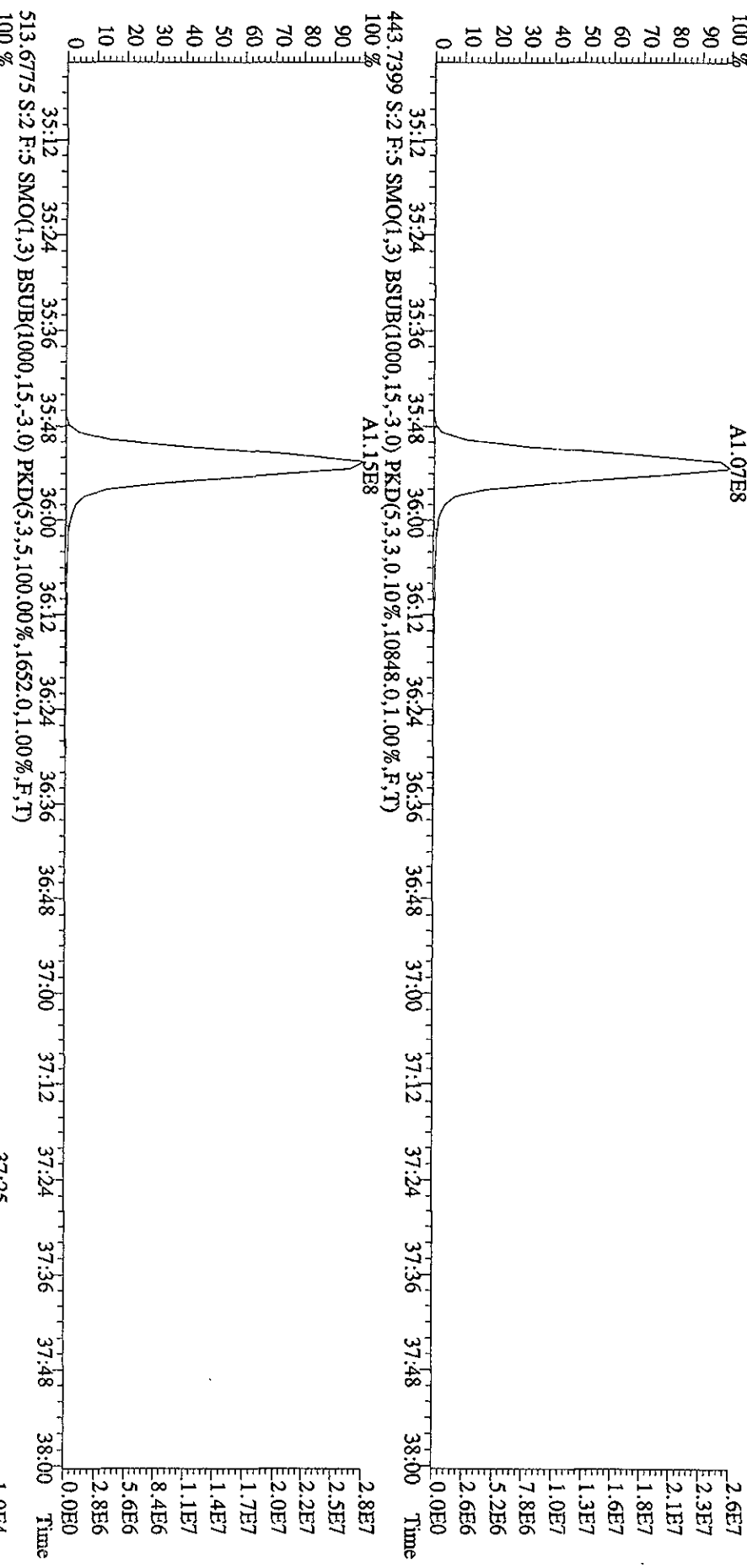


File:060C101D5 #1-203 Acq: 6-OCT-2010 10:30:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1006 .CS3 10DXN426 Exp:DIOXINRES
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16920,0,1.00%,F,T)
 100 % A1.21E8

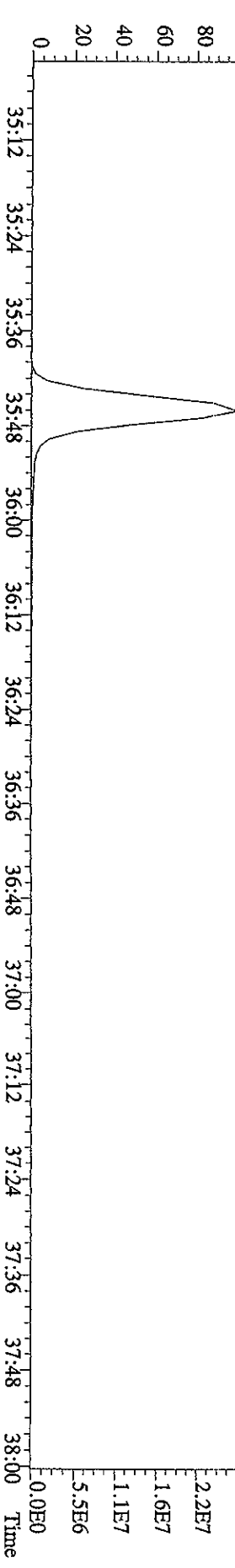
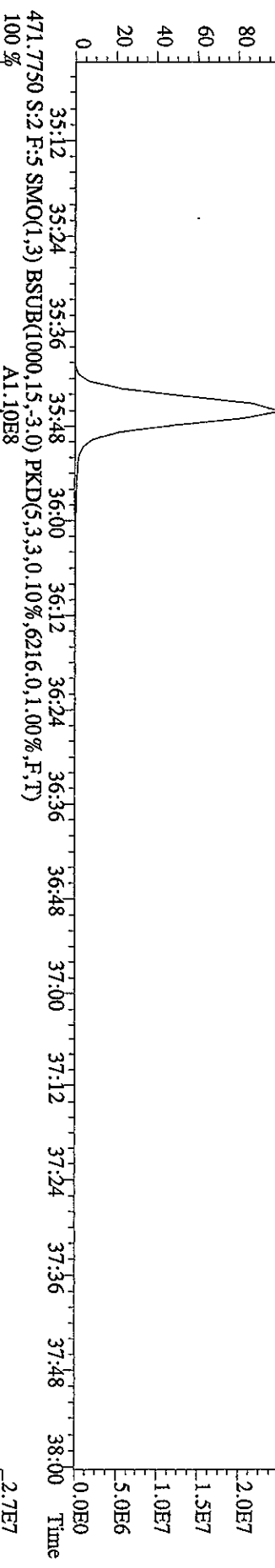
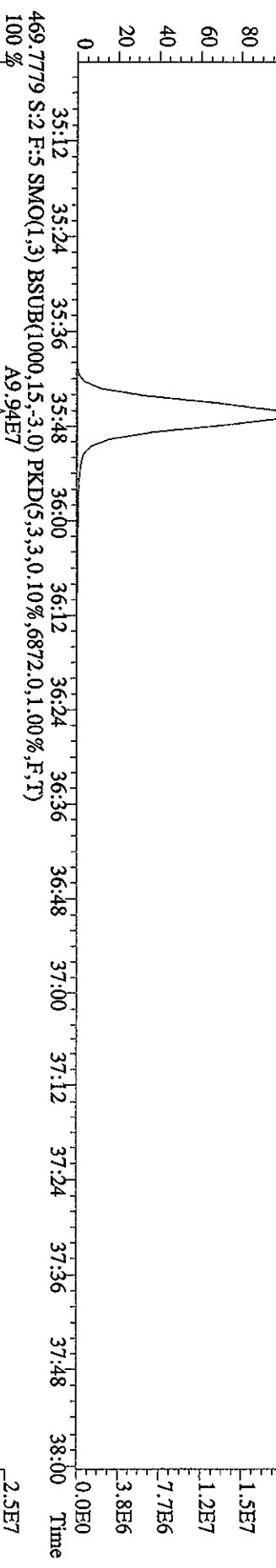
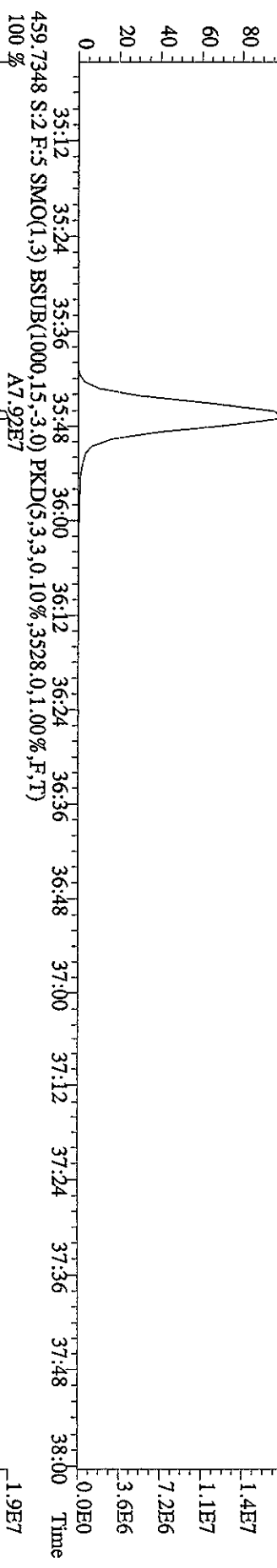


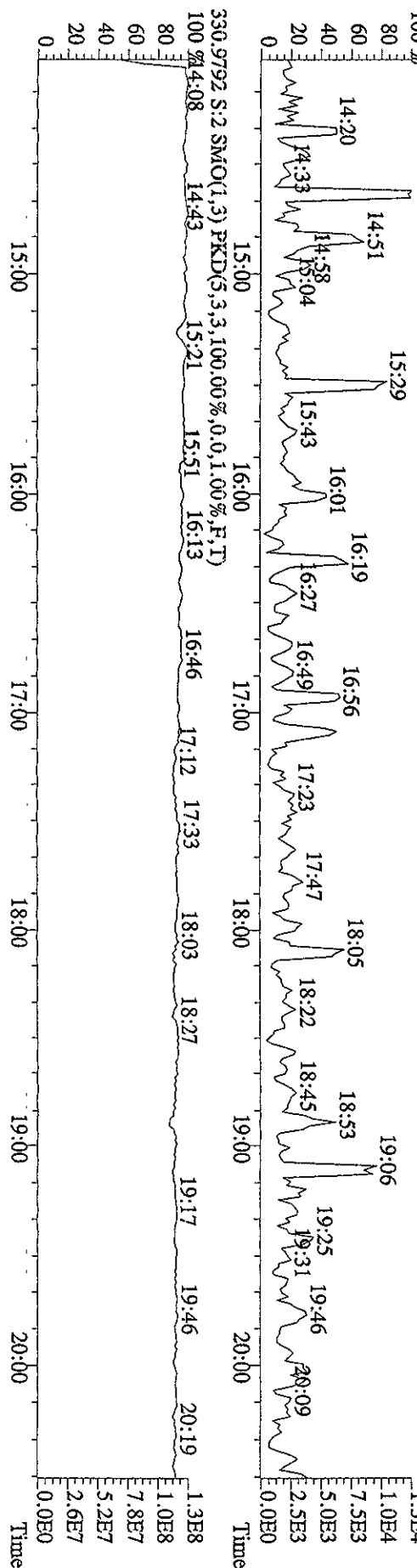
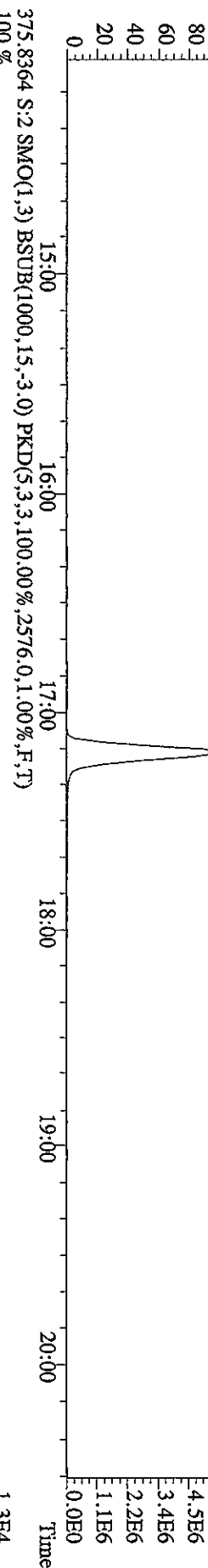
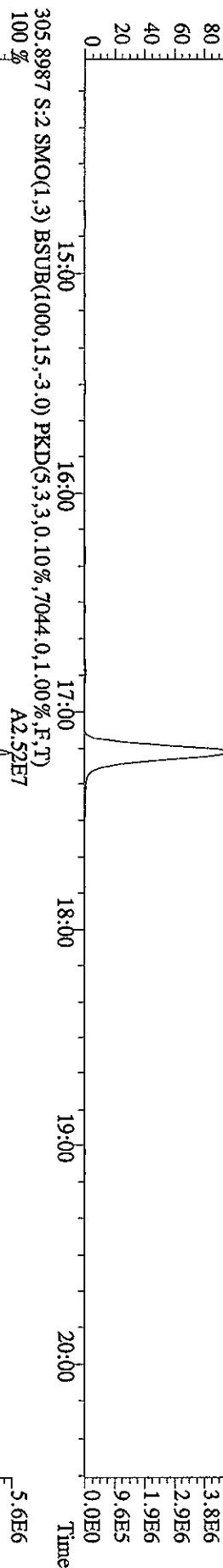
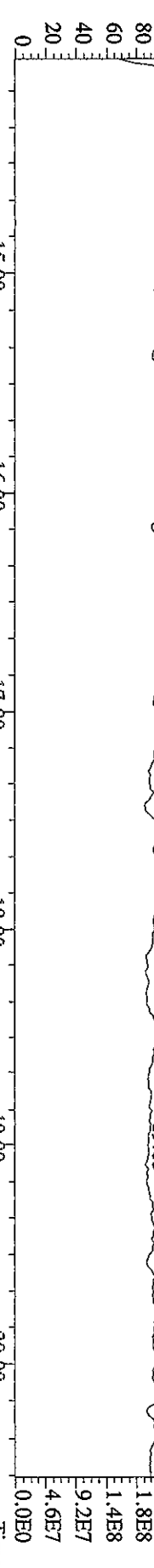


File:06OCT10ID5 #1-196 Acq: 6-OCT-2010 10:30:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5440.0,1.00%,F,T)
 100% A1.07E8

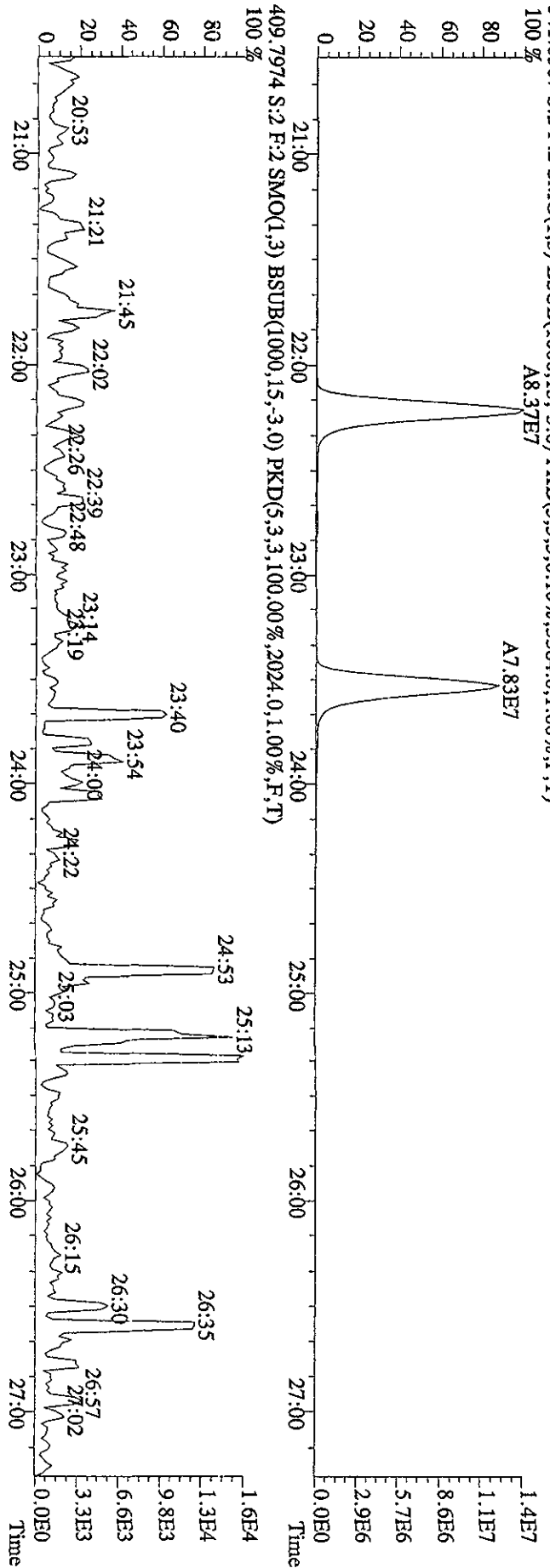
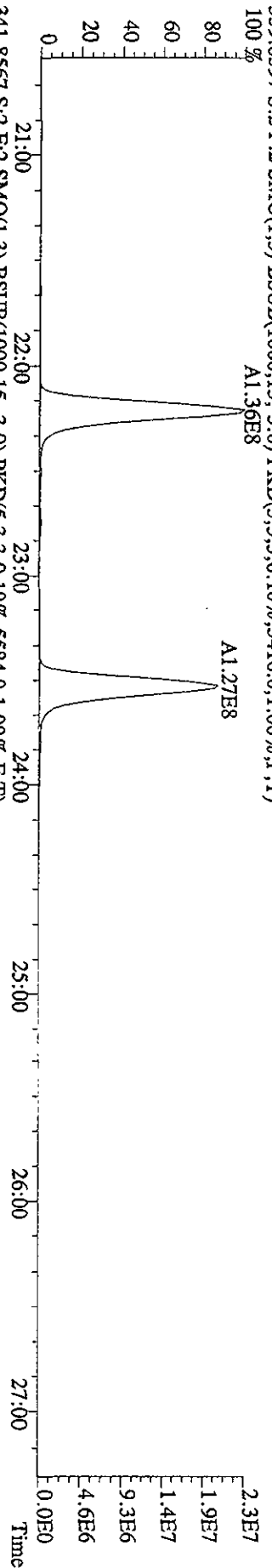
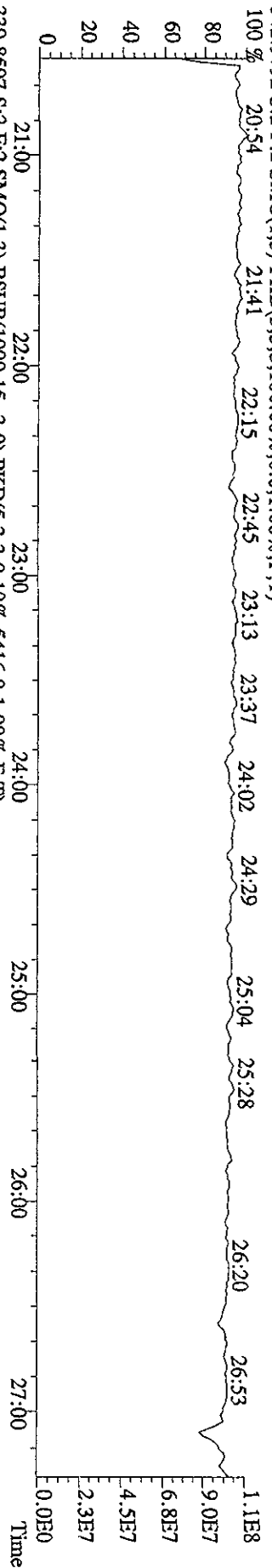


File:06OC101D5 #1-196 Acq: 6-OCT-2010 10:30:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6884,0.1,00%,F,T)
 100 %

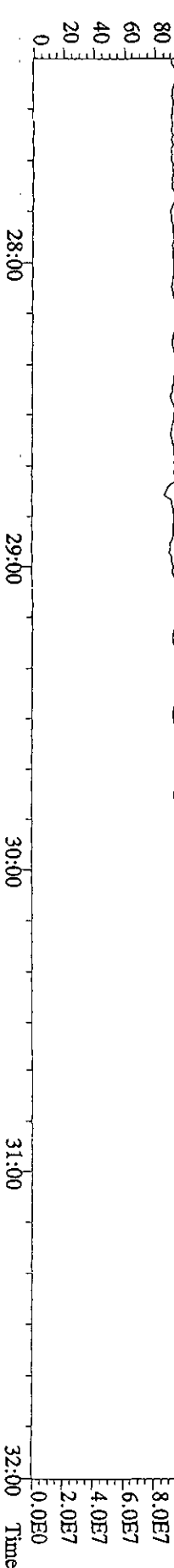
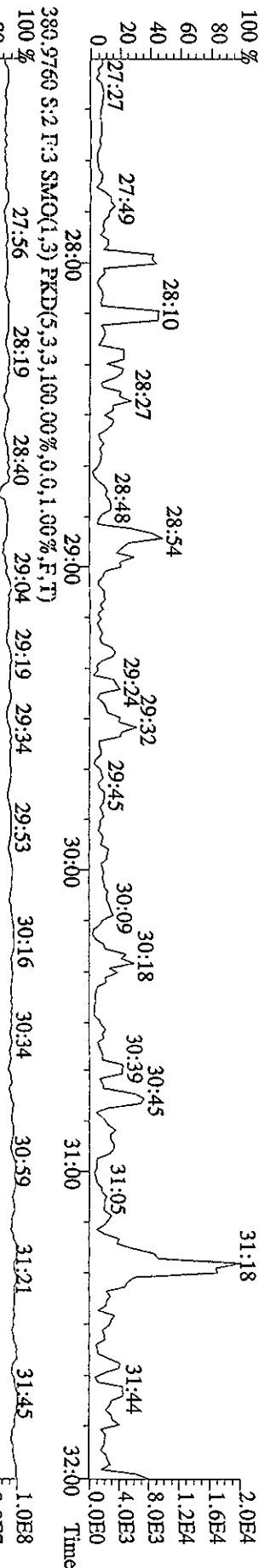
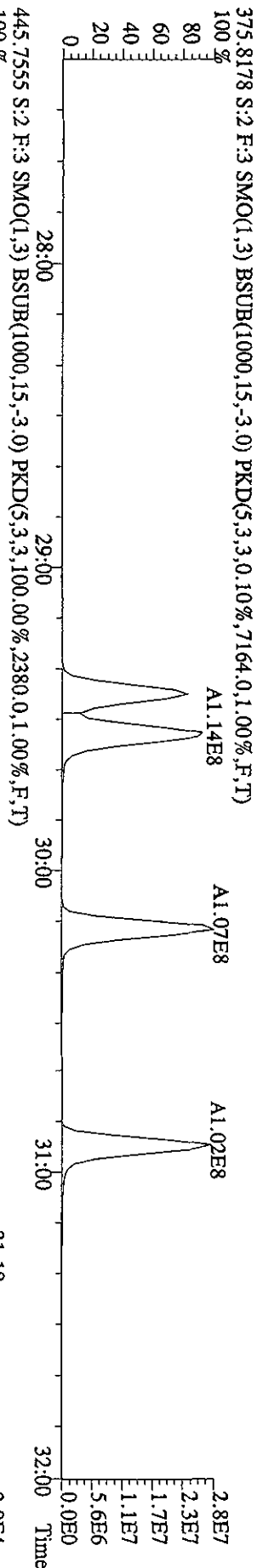
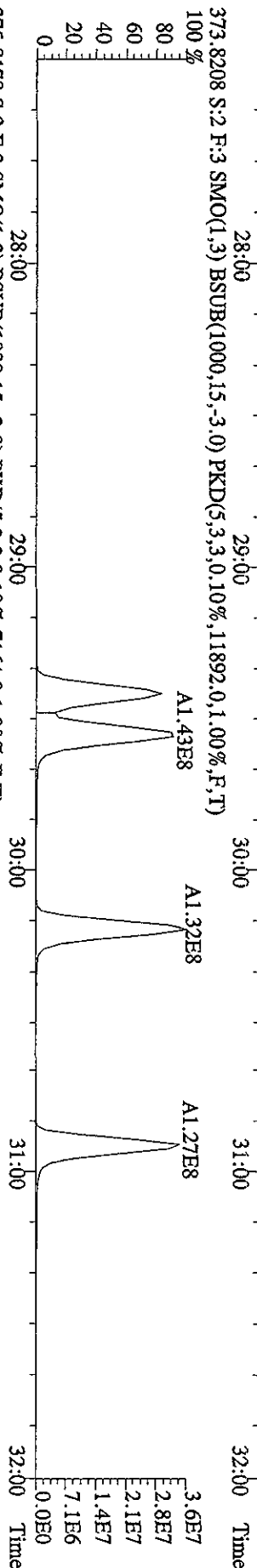
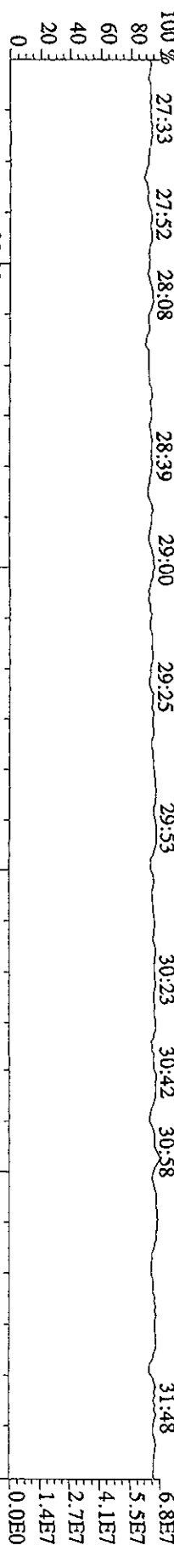




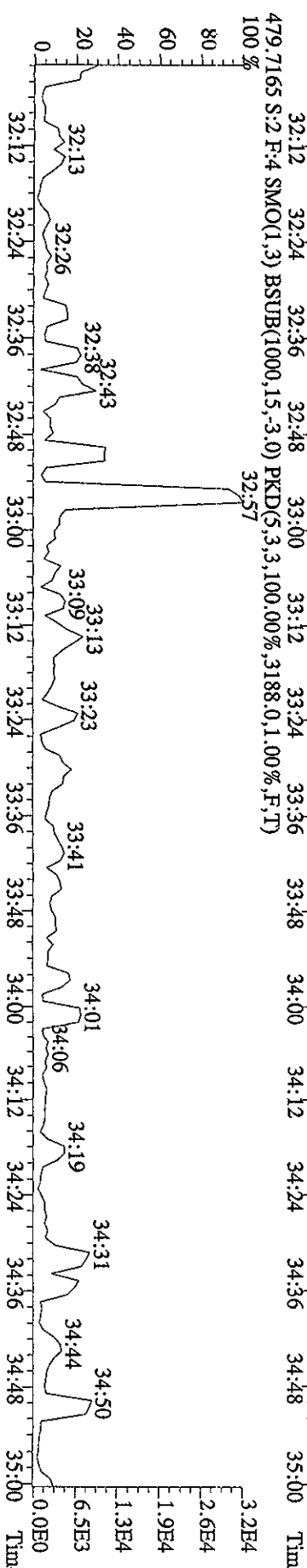
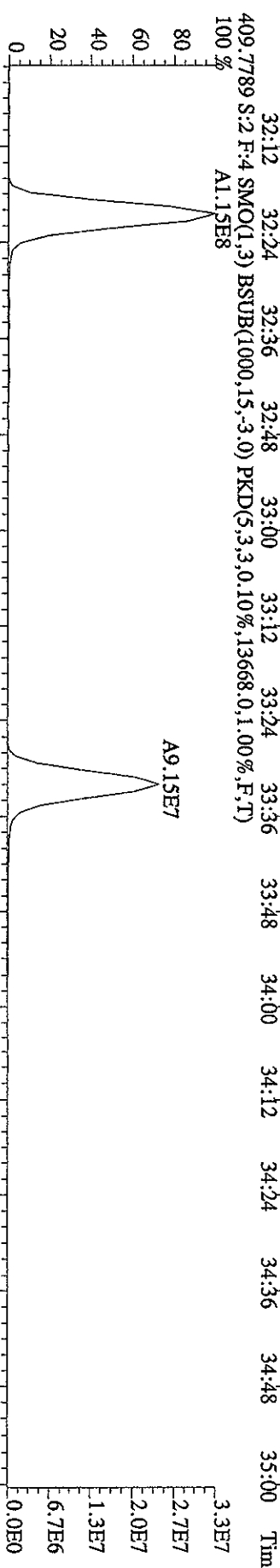
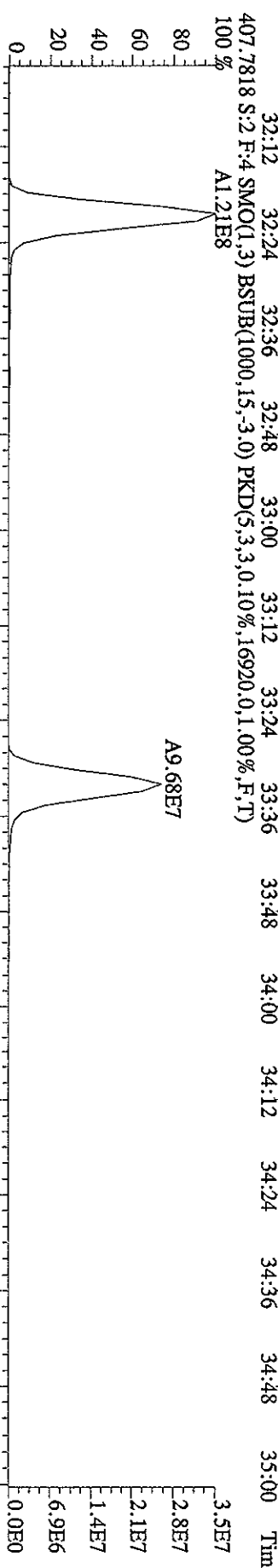
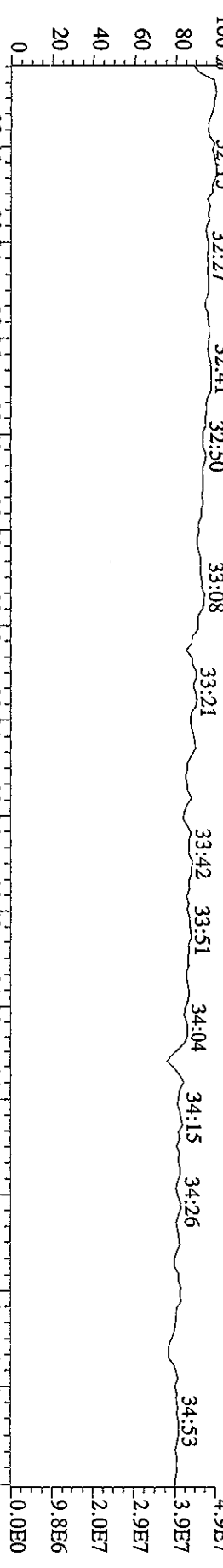
File:0600101D5 #1-422 Acq: 6-OCT-2010 10:30:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES
 342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 20:54 21:41 22:15 22:45 23:13 23:37 24:02 24:29 25:04 25:28 26:20 26:53



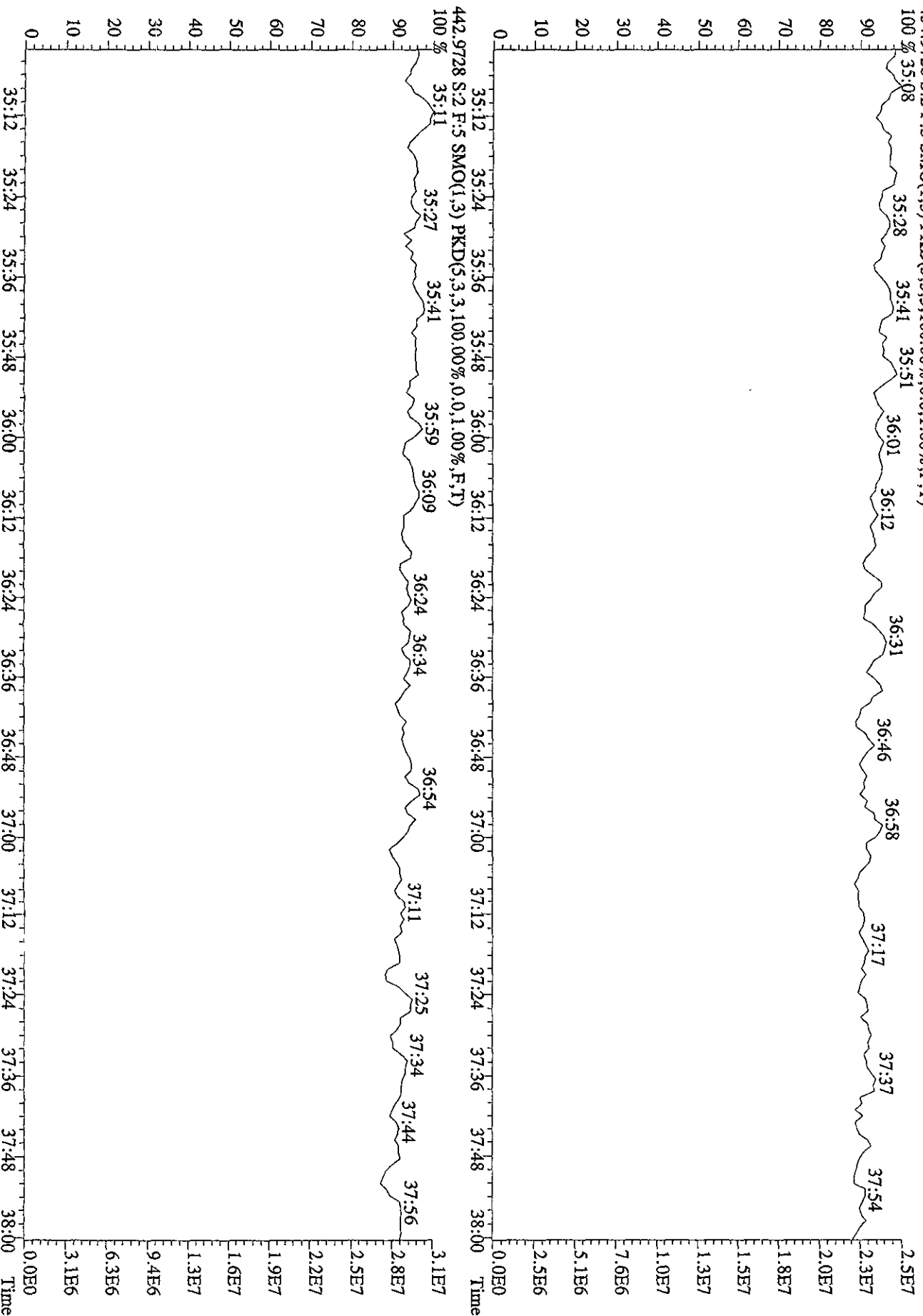
File:06OC101D5 #1-301 Acq: 6-OCT-2010 10:30:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES



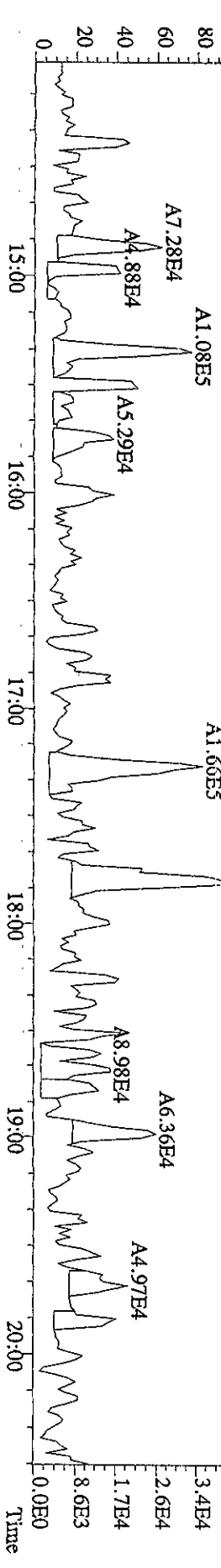
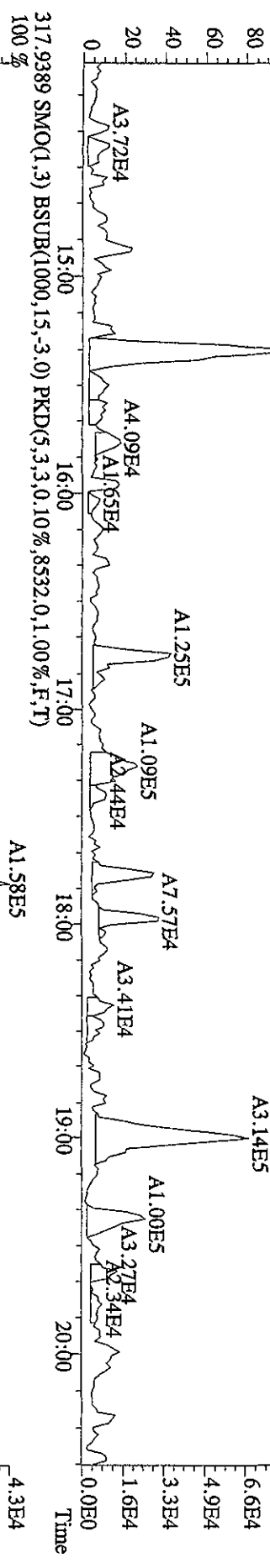
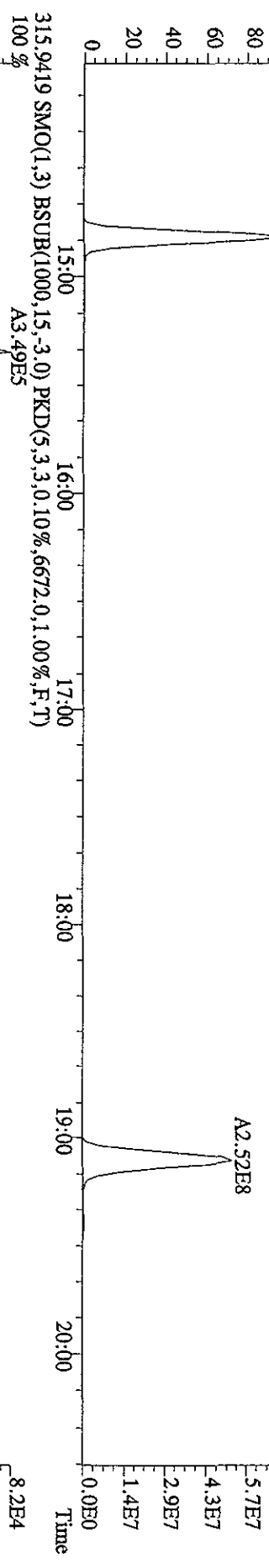
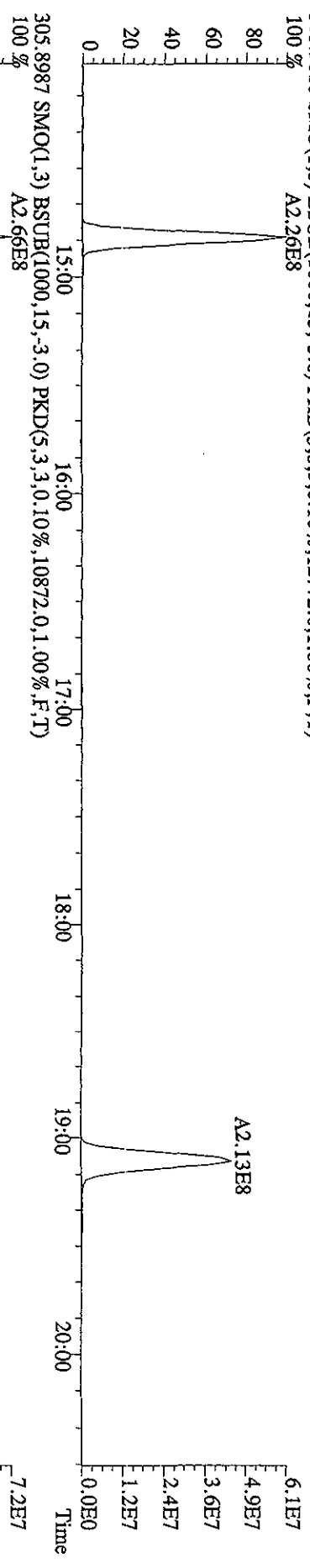
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 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES



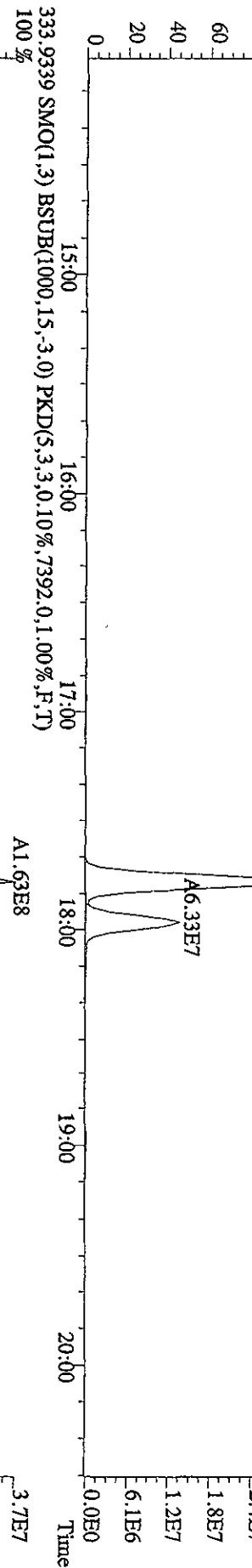
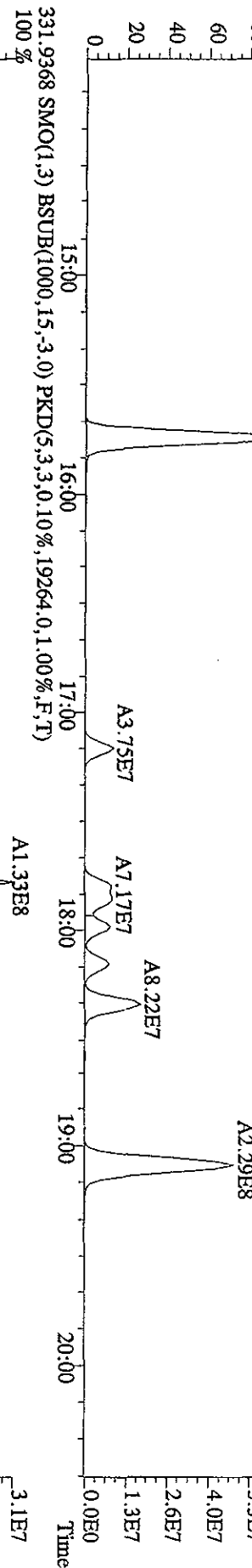
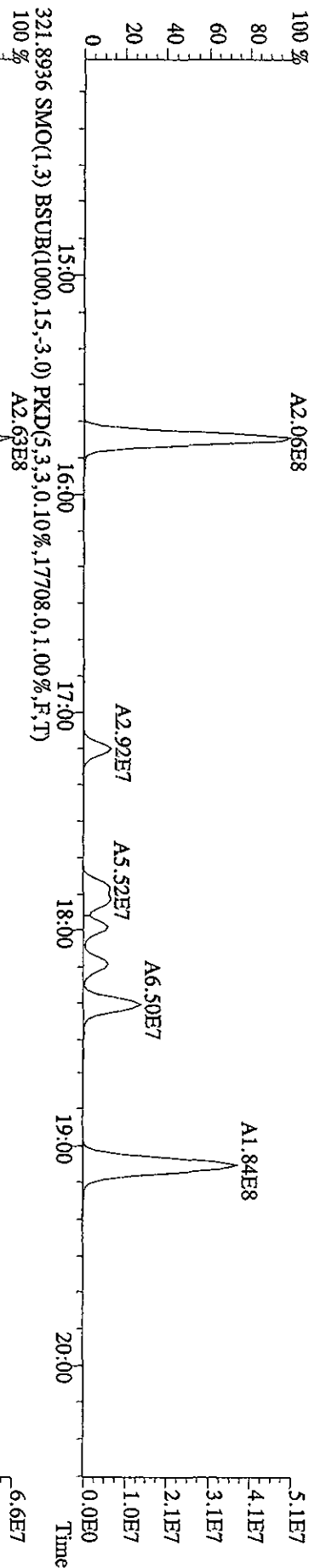
File:06OCT101D5 #1-196 Acq: 6-OCT-2010 10:30:05 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1006 :CS3 10DXN426 Exp:DIOXINRES
 454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 35:08



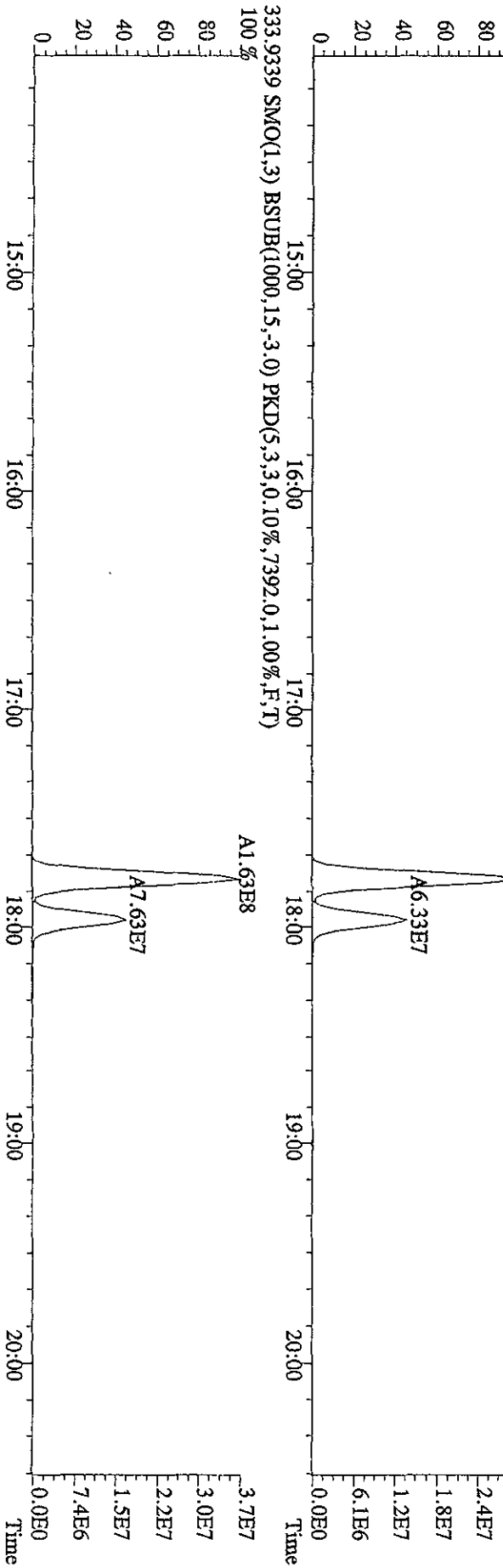
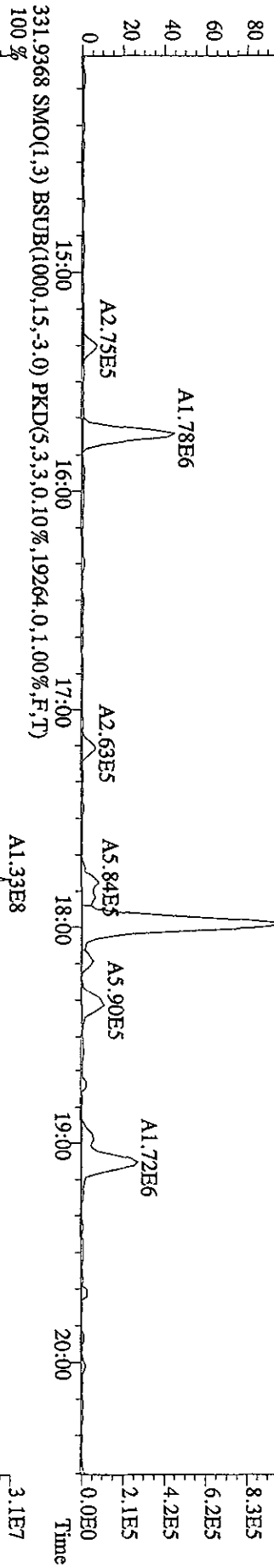
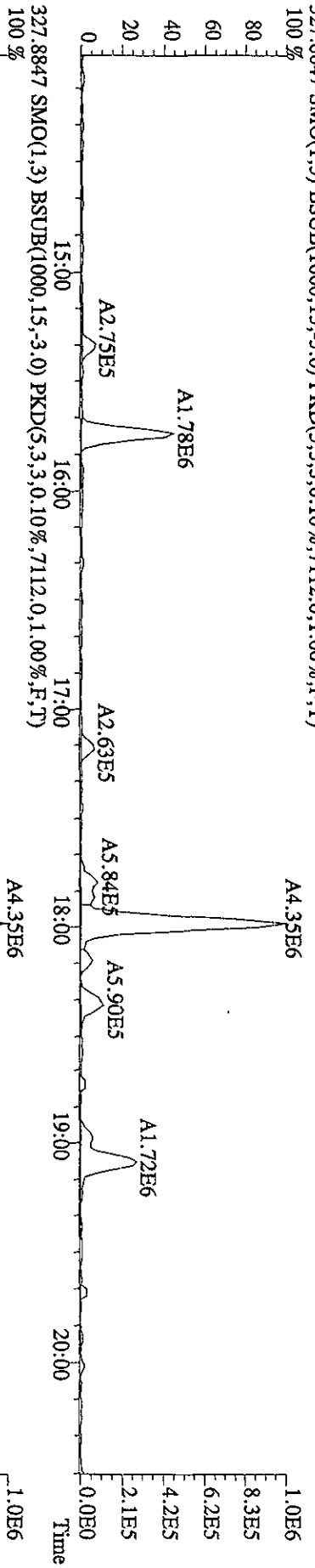
File:06OCT10ID5 #1-382 Acq: 6-OCT-2010 09:47:14 GC EI + Voltage SIR 70SE
 Sample#1 Text:CP1006 :DB-5 CPISM 3732-09 Exp:DIOXINES
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12772.0,1.00%,F,T)
 100 % A2.26E8



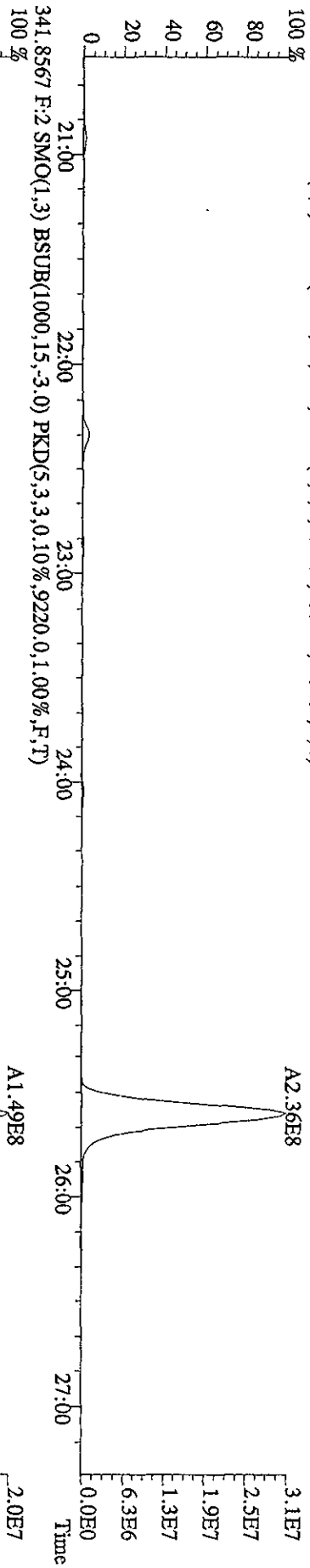
File: 060C101D5 #1-382 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage SIR 70SE
 Sample#1 Text: CP1006 :DB-5 CP5M 3732-09 Exp: DIOXINRES
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11088.0,1.00%,F,T)
 100%



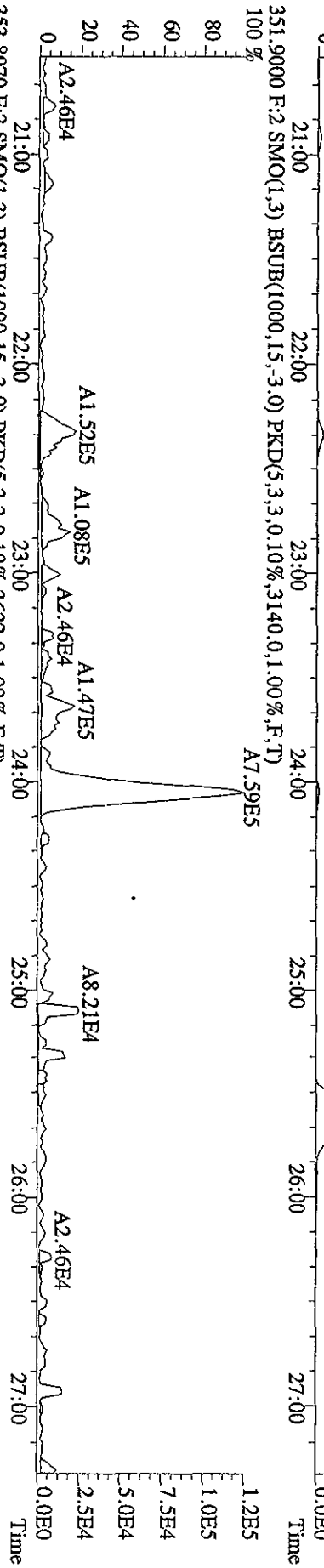
File:06OC101D5 #1-382 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage:51R 70SE
 Sample#1 Text:CP1006 :DB-5 CPM 3732-09 Exp:DIOXINRES
 327.8847 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7112.0,1.00%,F,T)



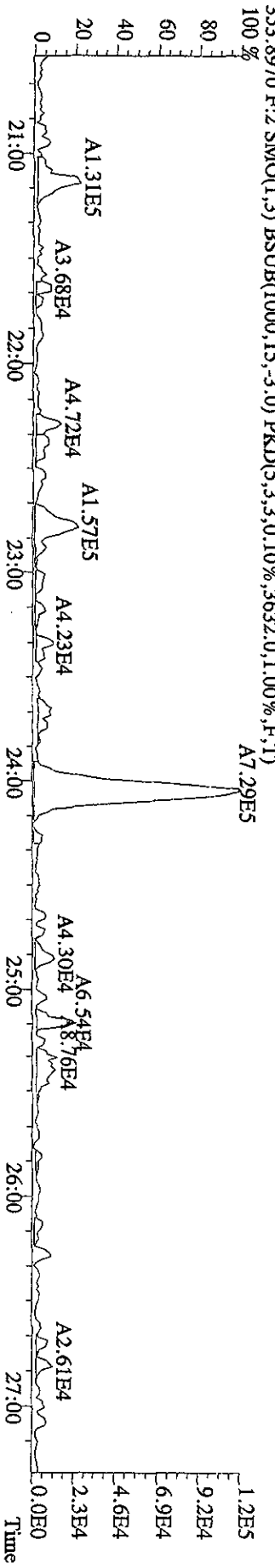
File:060C101D5 #1-423 Acq: 6-OCT-2010 09:47:14 GC EI + Voltage SFR 70SE
 Sample#1 Text:CP1006 :DB-5 CPISM 3732-09 Exp:DIOXINES
 339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7356,0,1,00%,F,T)



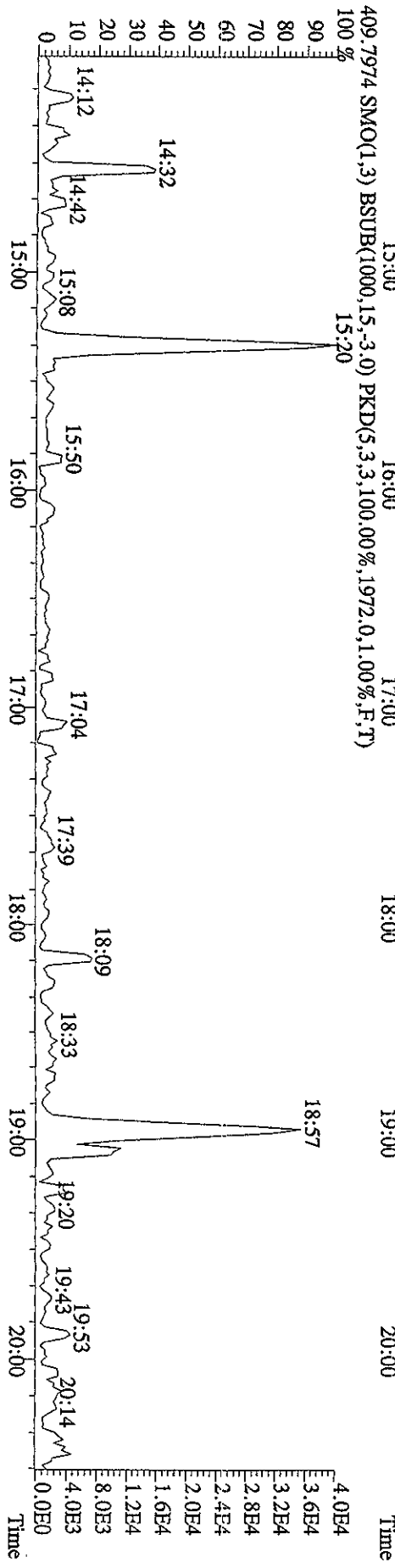
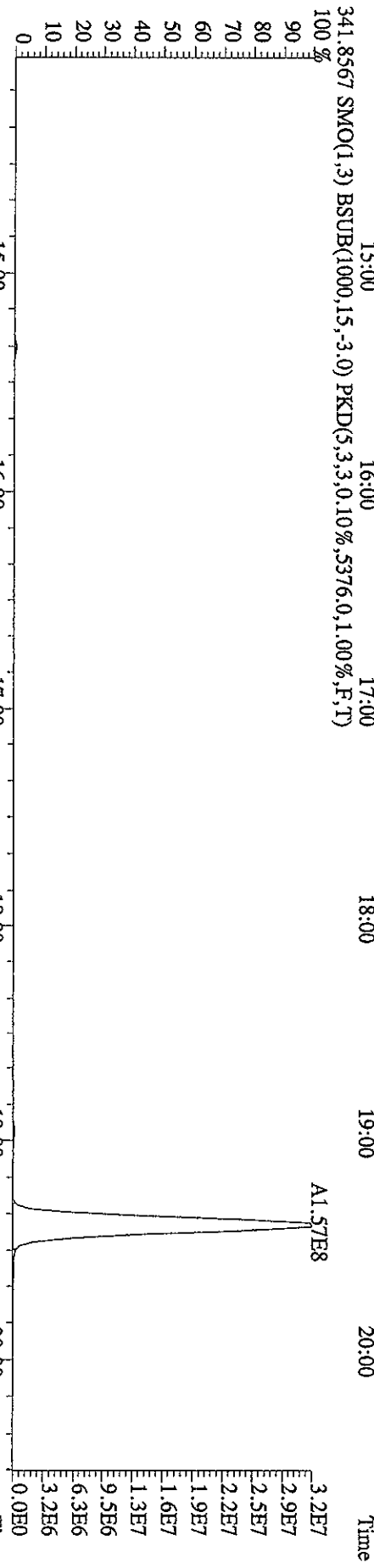
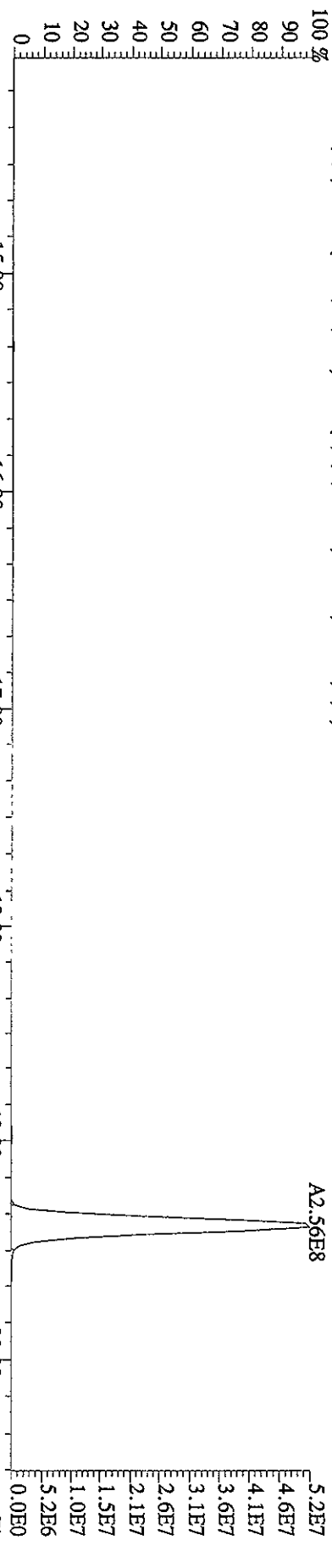
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,9220,0,1,00%,F,T)



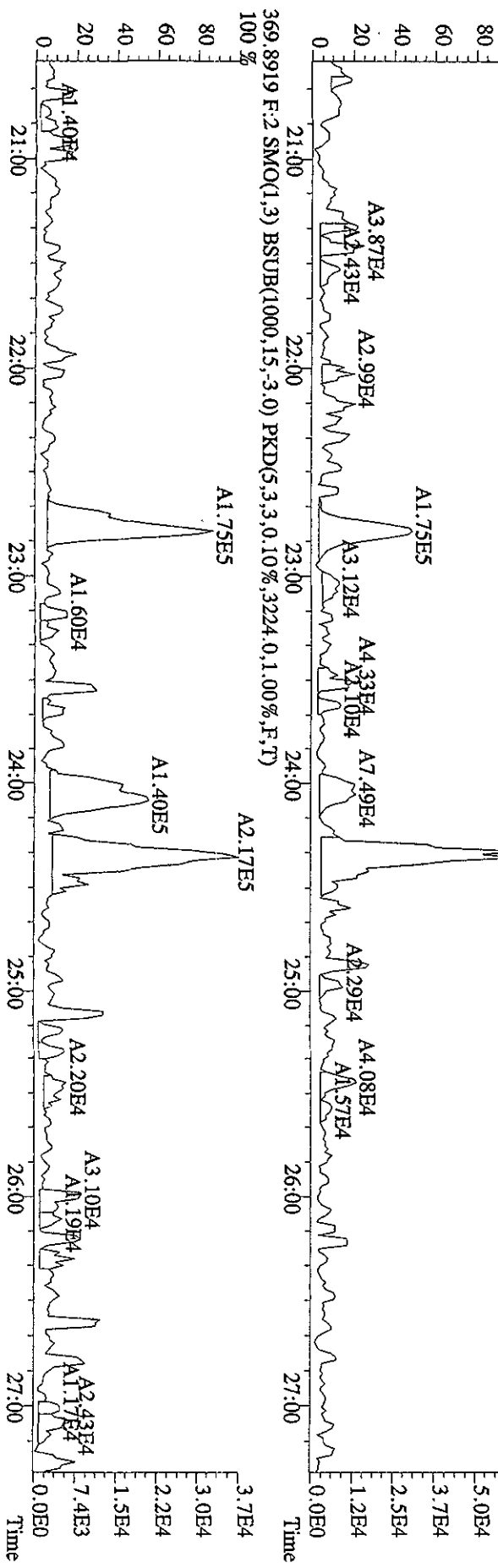
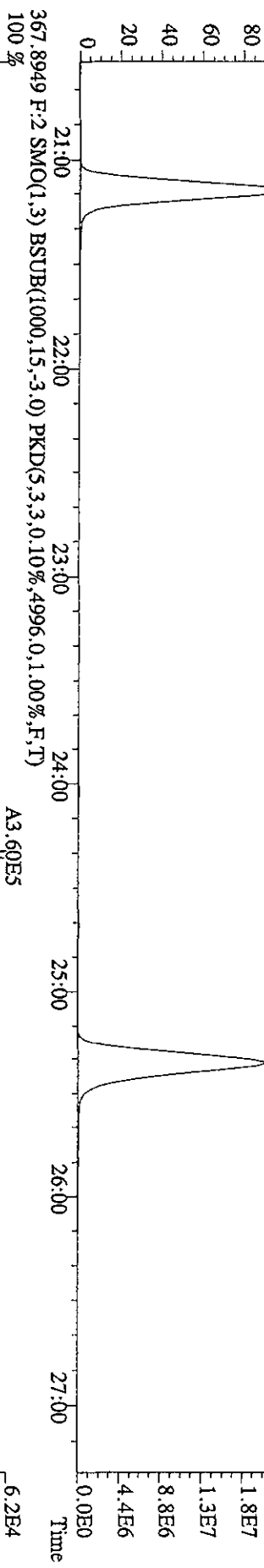
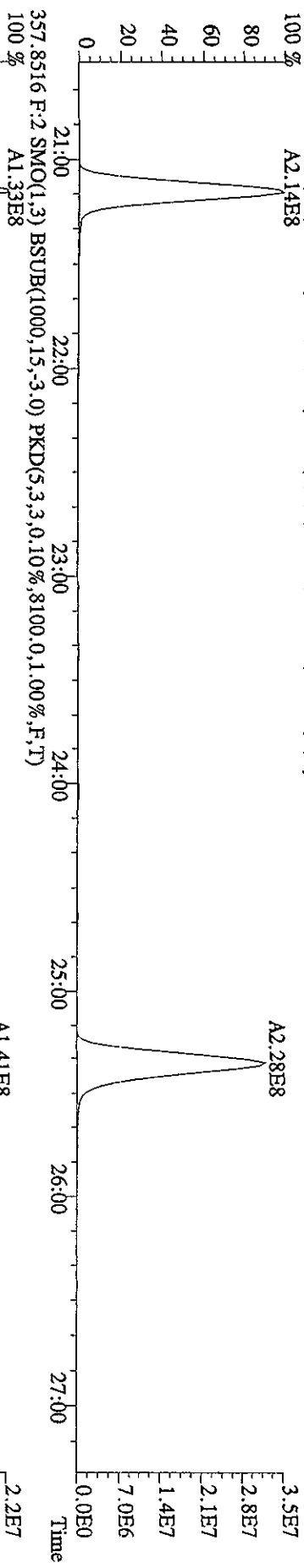
353.8970 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3632,0,1,00%,F,T)



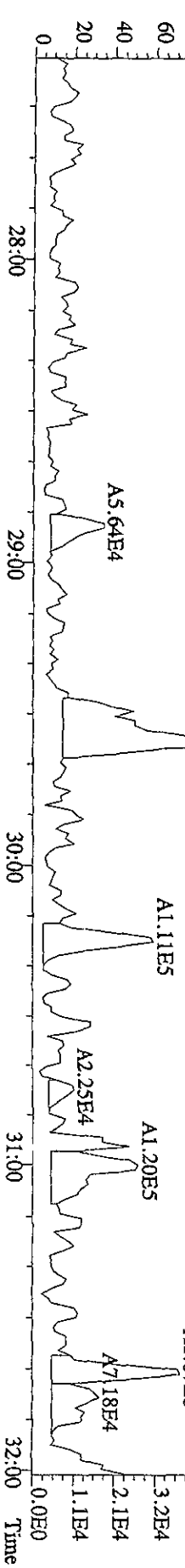
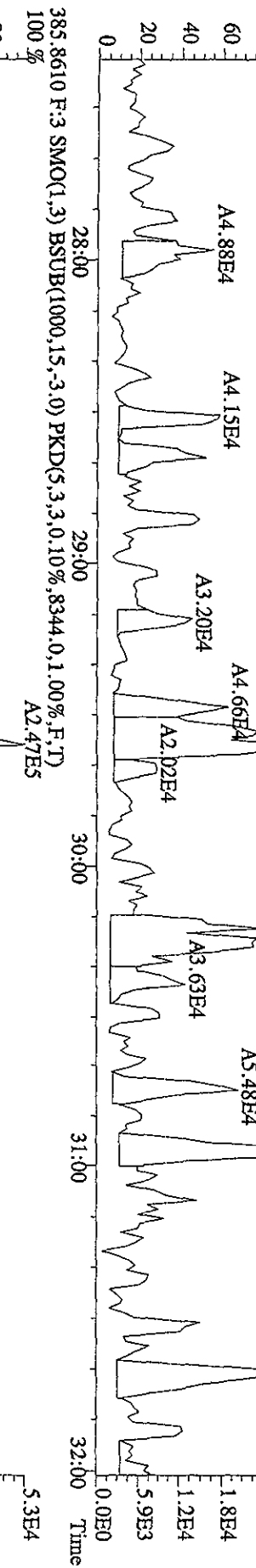
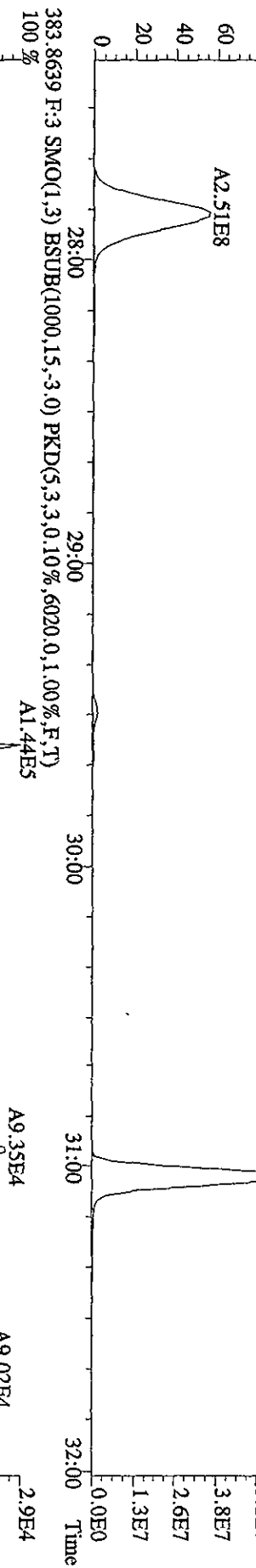
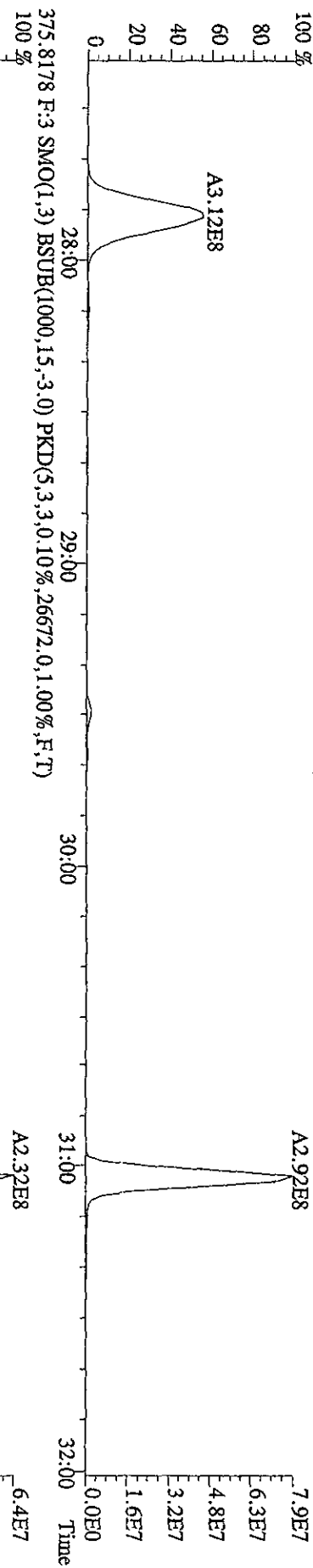
File:06OCT101D5 #1-382 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1006 :DB-5 CP5M 3732-09 Exp:DIOXINRES
 339,8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3620.0,1.00%,F,T)



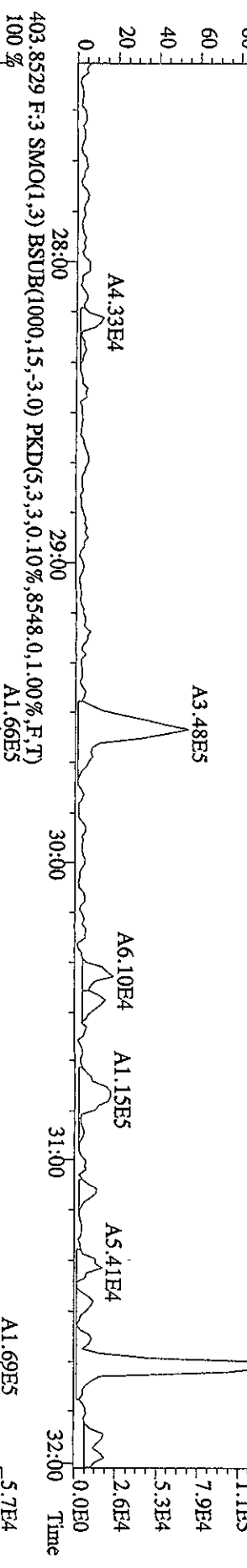
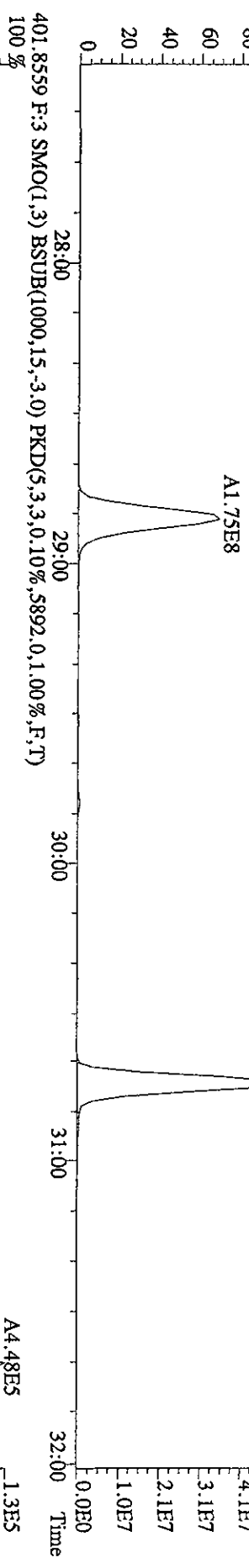
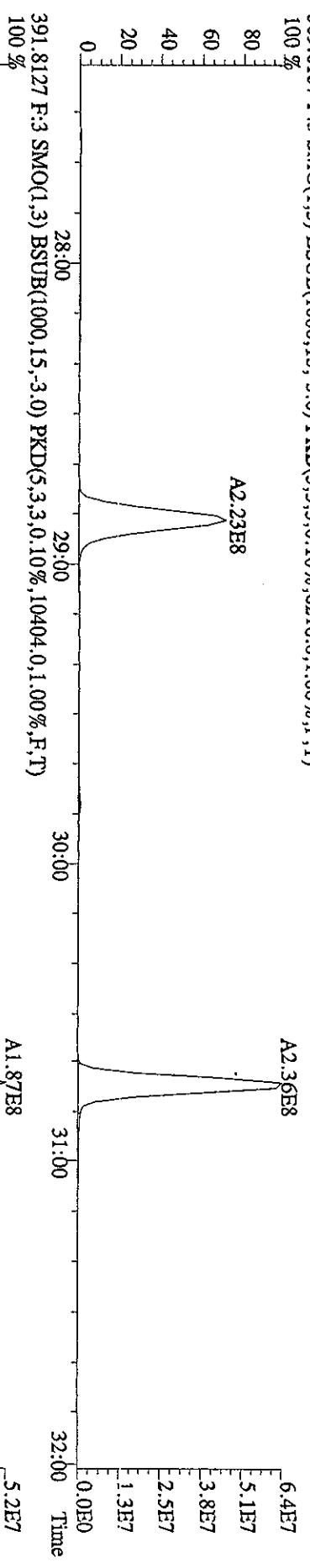
File: 060C101D5 #1-423 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage SIR 70SE
 Sample#1 Text: CP1006 :DB-5 CPSM 3732-09 Exp: DIOXINRES
 357.8516 F:2.SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11204.0,1.00%,F,T)
 369.8919 F:2.SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3224.0,1.00%,F,T)



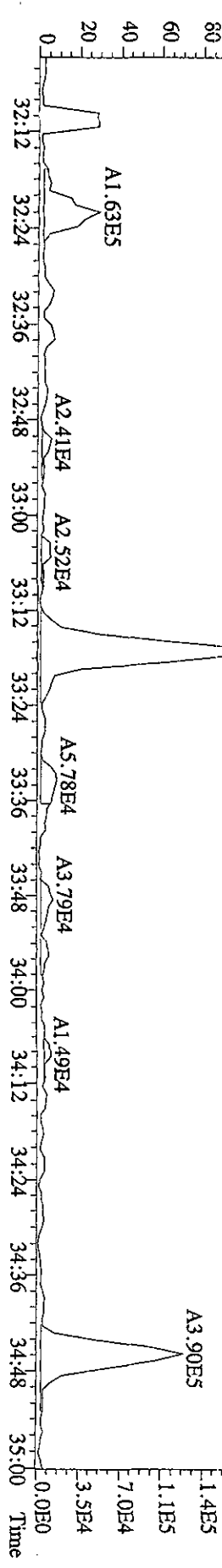
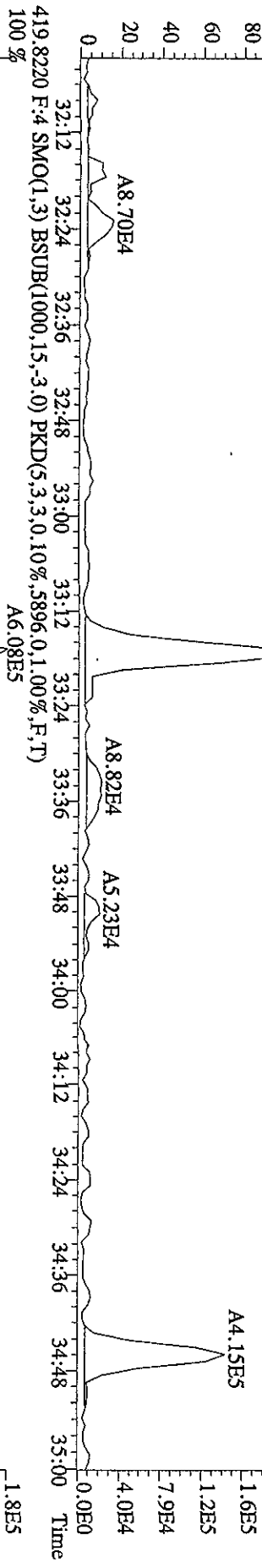
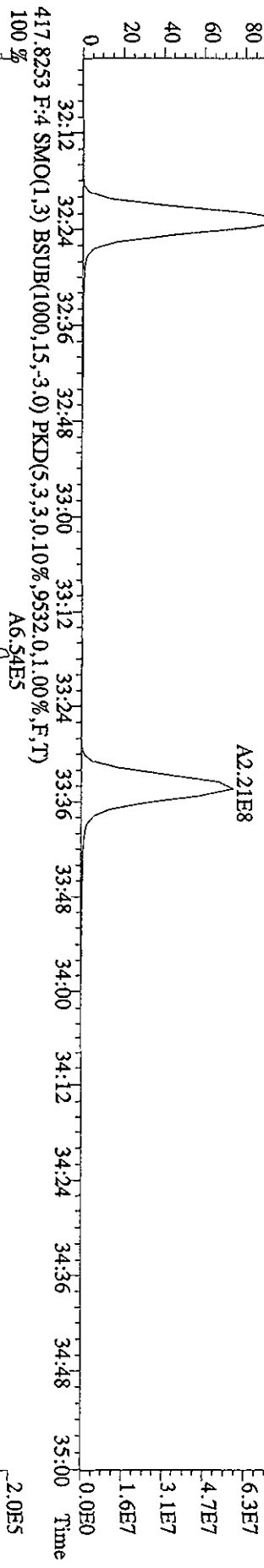
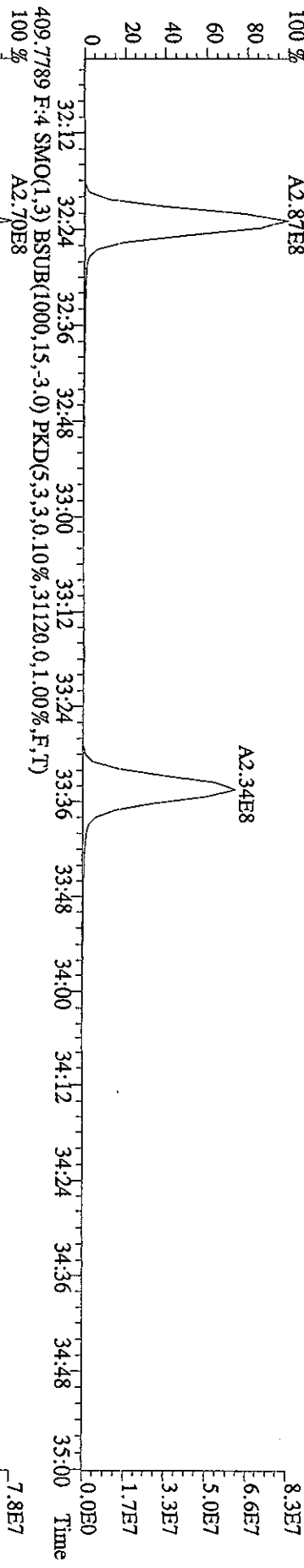
File: 06OC101D5 #1-301 Acq: 6-OCT-2010 09:47:14 GC EI + Voltage SIR 70SE
 Sample#1 Text: CP1006 :DB-5 CPSM 3732-09 Exp: DIOXINRES
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,29060.0,1.00%,F,T)
 100%



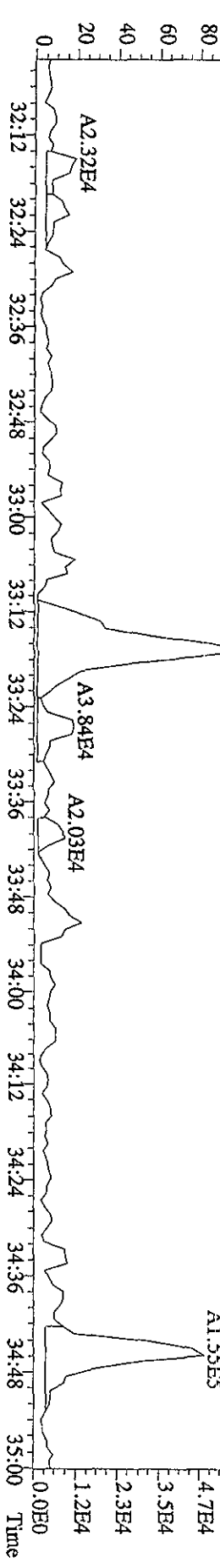
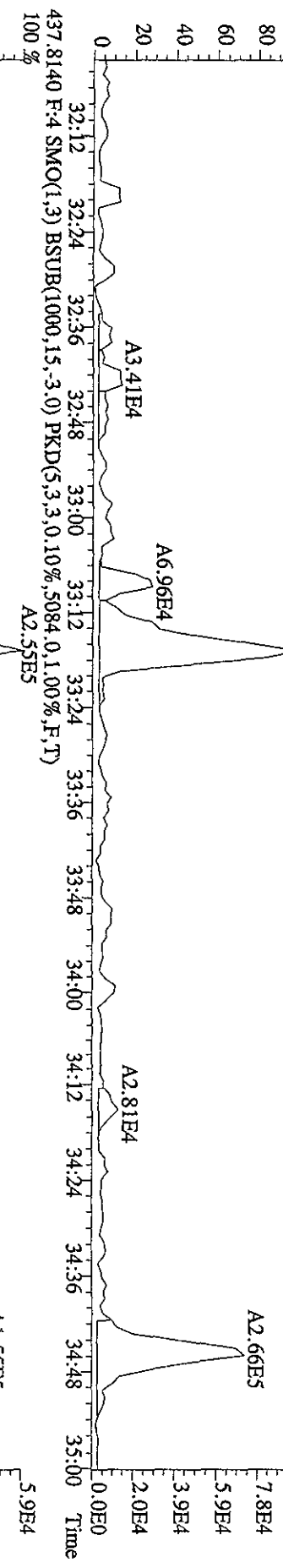
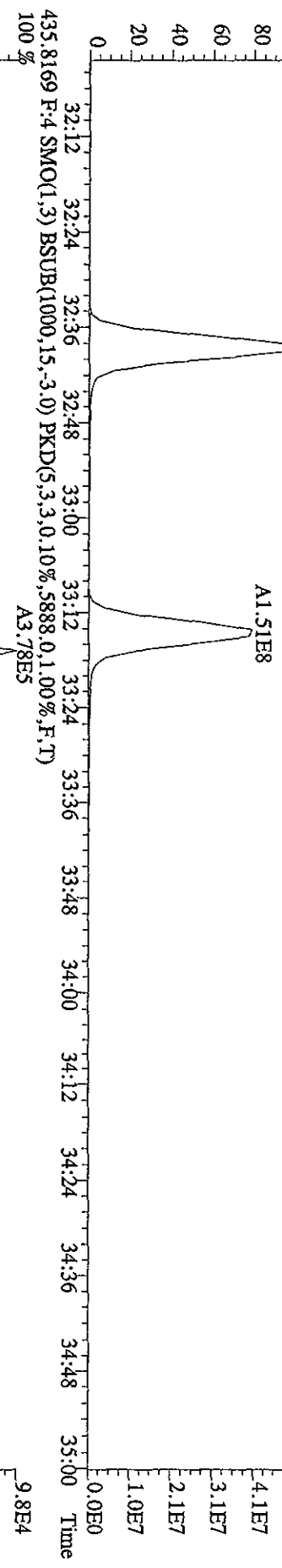
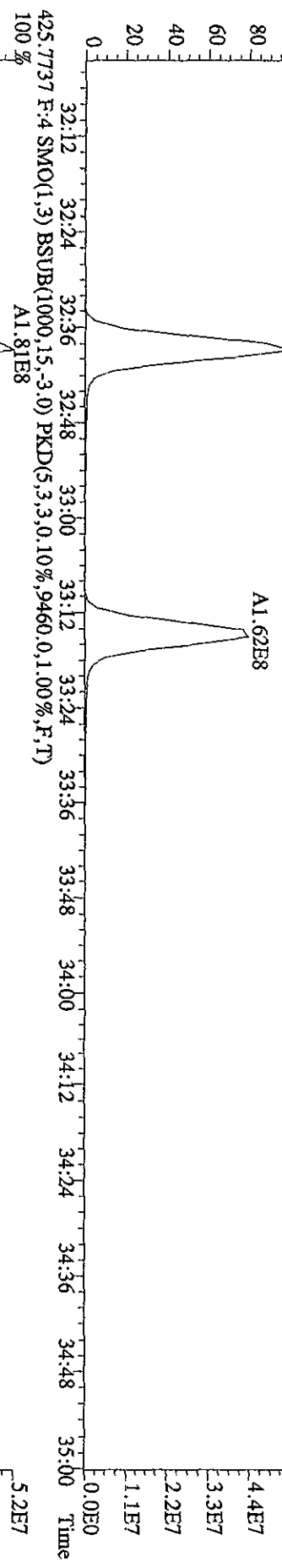
File:060C101D5 #1-301 Acq: 6-OCT-2010 09:47:14 GC EI + Voltage SIR 70SE
 Sample#1 Text:CP1006 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6216.0,1.00%,F,T)
 100%



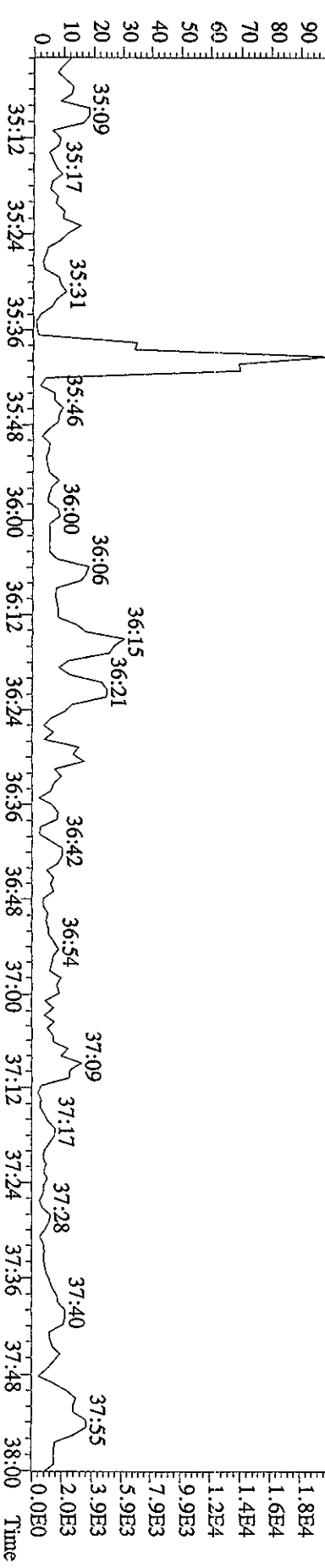
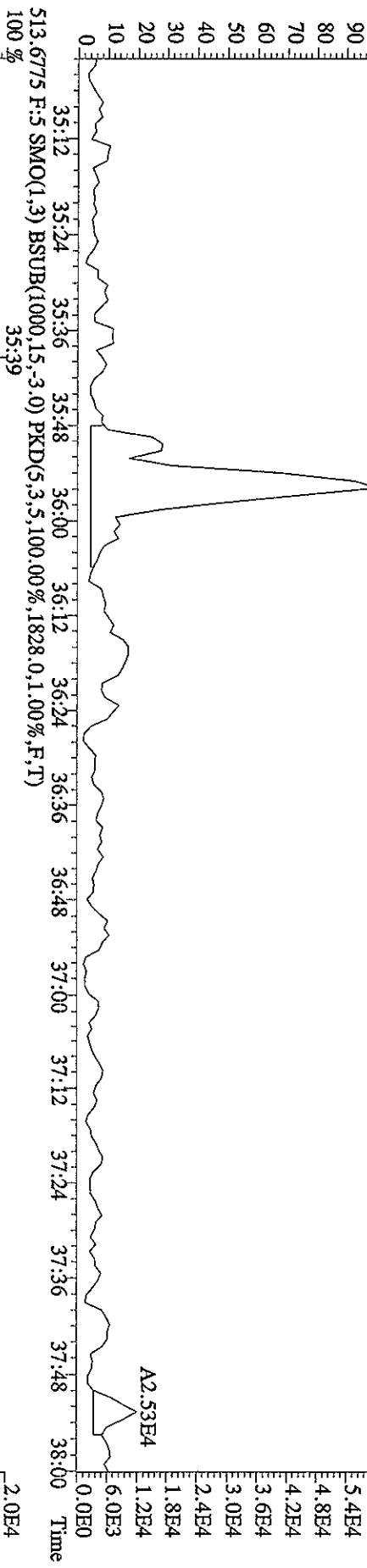
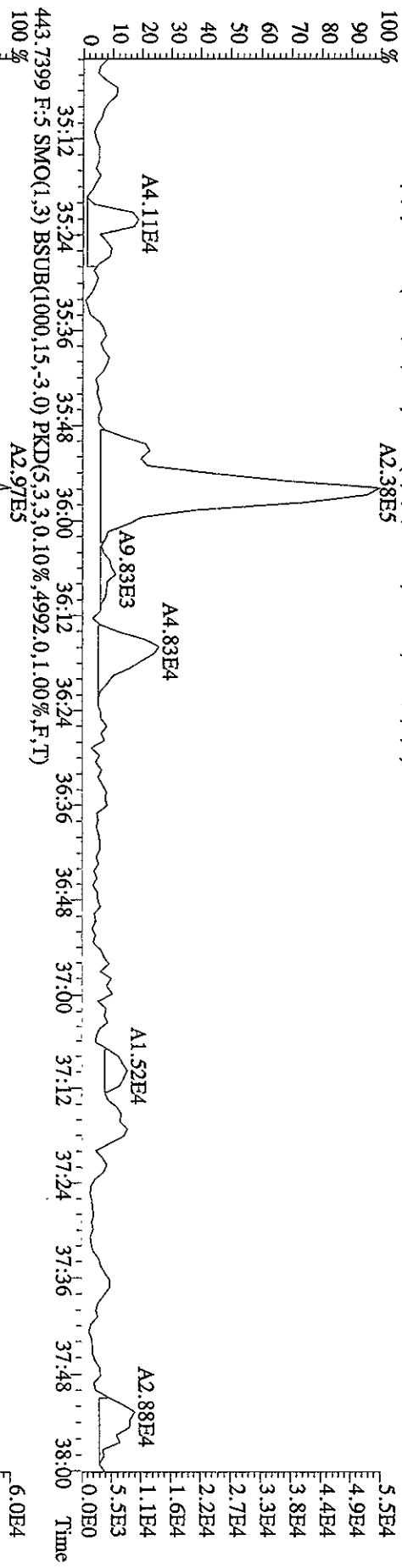
File:060C101D5 #1-202 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1006 :DB-5 CPSM 3732.09 Exp:DIOXINRES
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31464.0,1.00%,F,T)
 100% A2.87E8



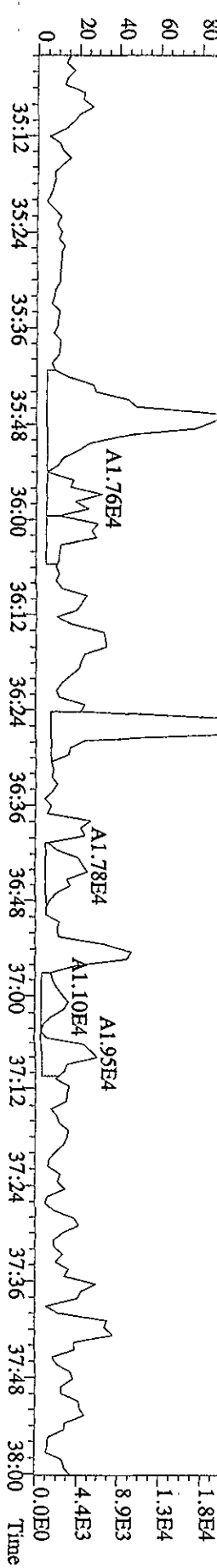
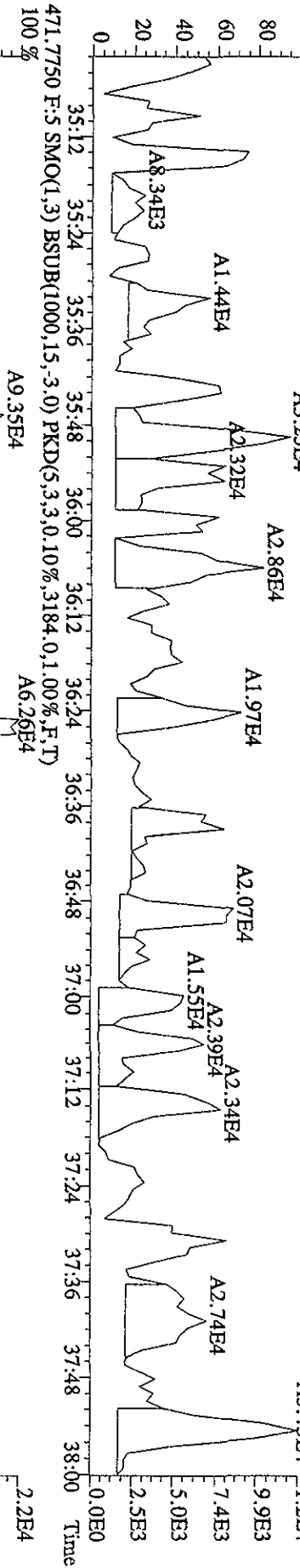
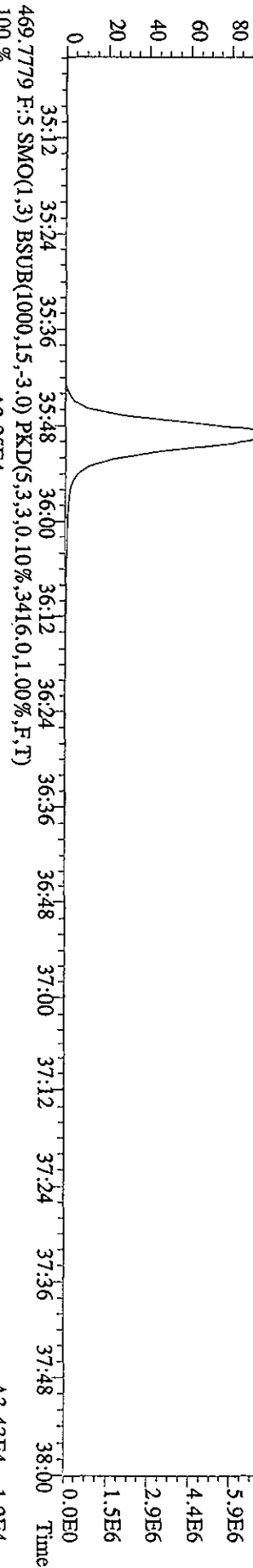
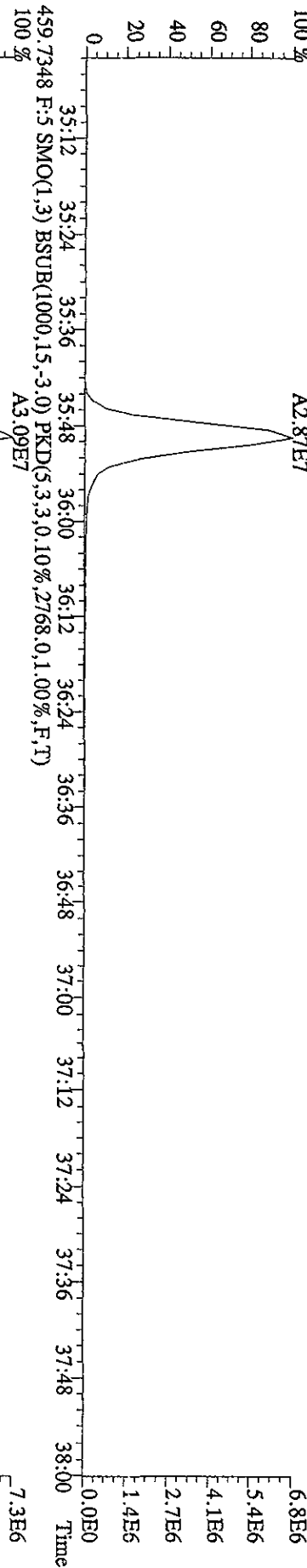
File:06OC101D5 #1-202 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1006 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 423.7766 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,F,T)
 100% A1.93E8



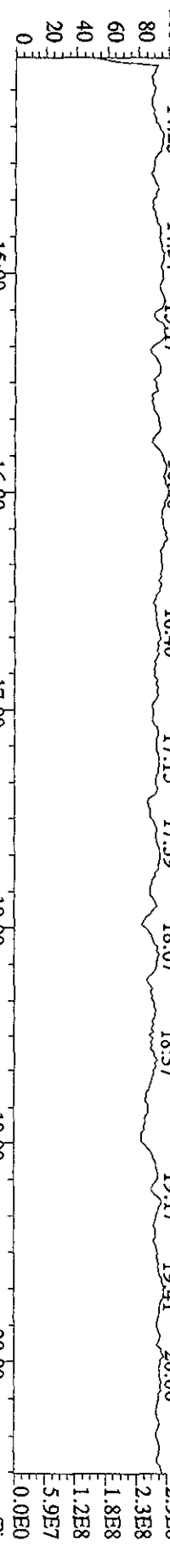
File:060C101D5 #1-196 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1006 :DB-5 CFSM 3732-09 Exp:DIOXINRES
 441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4296.0,1.00%,F,T)
 A2.38E5



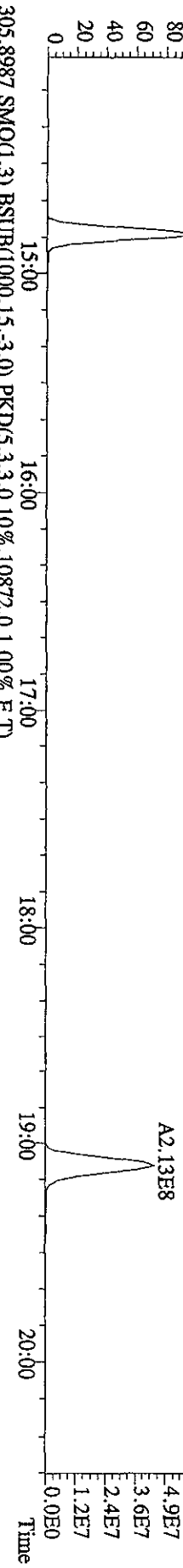
File:060C101D5 #1-196 Acq: 6-OCT-2010 09:47:14 GC:EI + Voltage SIR 70SE
 Sample#1 Text:CP1006 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 457.7377 F:.5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3740.0,1.00%,F,T) A2.87E7



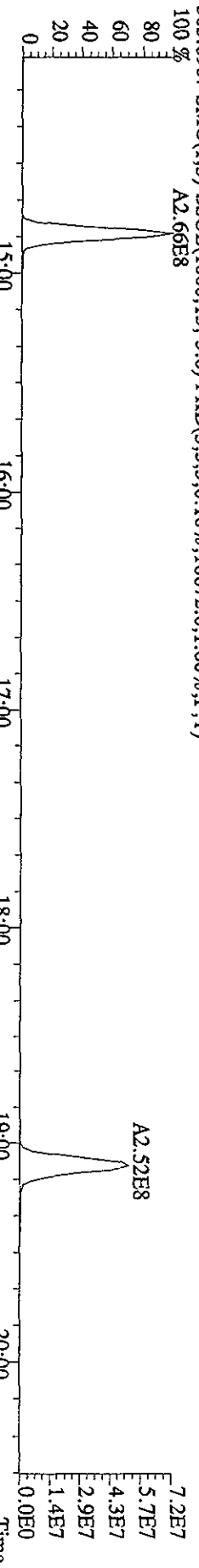
File:060C101D5 #1-382 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1006 :DB-5 CPSM 3732-09 Exp:DIOXINES
 292.9825 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 14:23 14:54 15:17 16:00 16:40 17:15 17:39 18:07 18:37 19:17 19:41 20:06



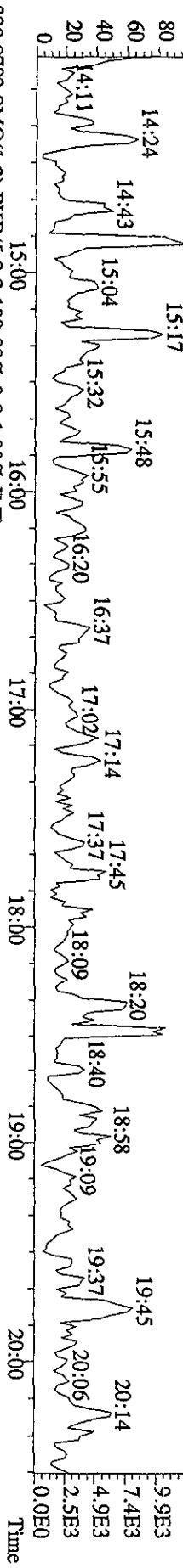
303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12772.0,1.00%,F,T)
 14:23 14:54 15:17 16:00 16:40 17:15 17:39 18:07 18:37 19:17 19:41 20:06



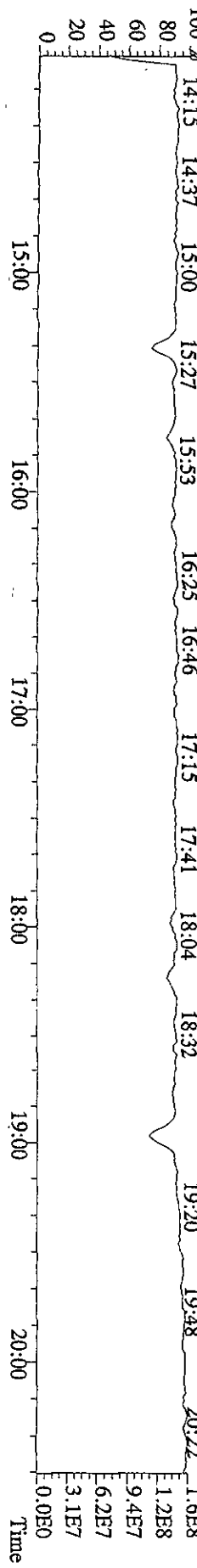
305.8987 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10872.0,1.00%,F,T)
 14:23 14:54 15:17 16:00 16:40 17:15 17:39 18:07 18:37 19:17 19:41 20:06



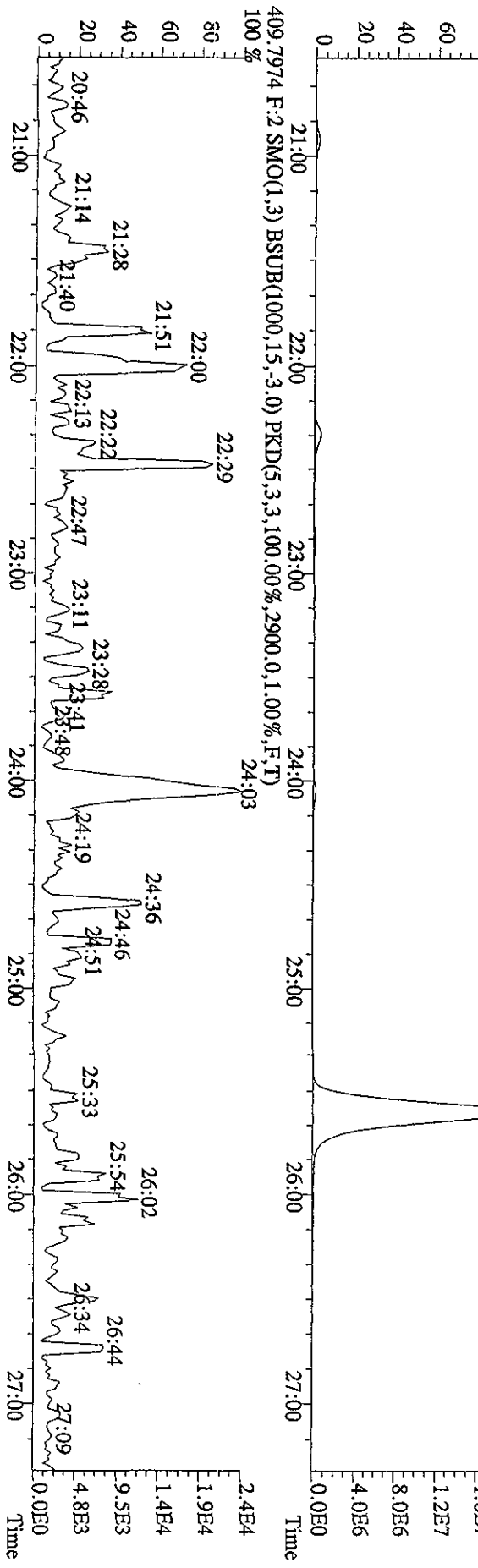
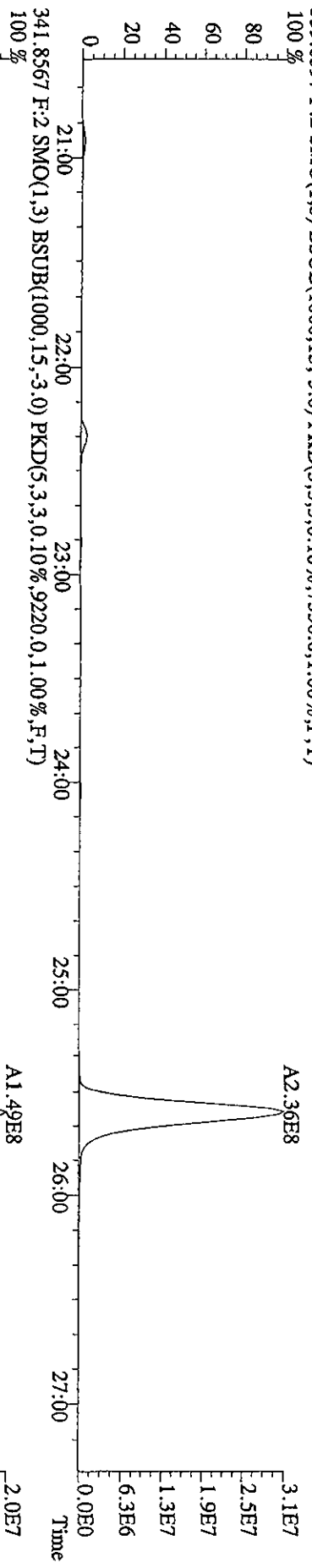
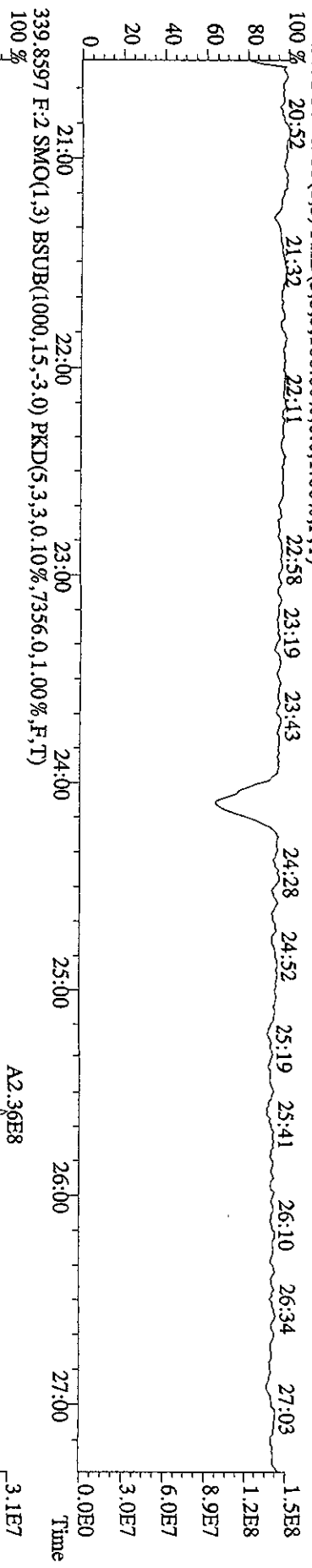
375.8364 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,3380.0,1.00%,F,T)
 14:23 14:54 15:17 16:00 16:40 17:15 17:39 18:07 18:37 19:17 19:41 20:06



330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 14:15 14:37 15:00 15:27 15:53 16:25 16:46 17:15 17:41 18:04 18:32 19:20 19:48 20:22



File:060C101D5 #1-423 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1006 :DB-5 CP5M 3732-09 Exp:DIOXINRES
 342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 20:52 21:32 22:11 22:58 23:19 23:43

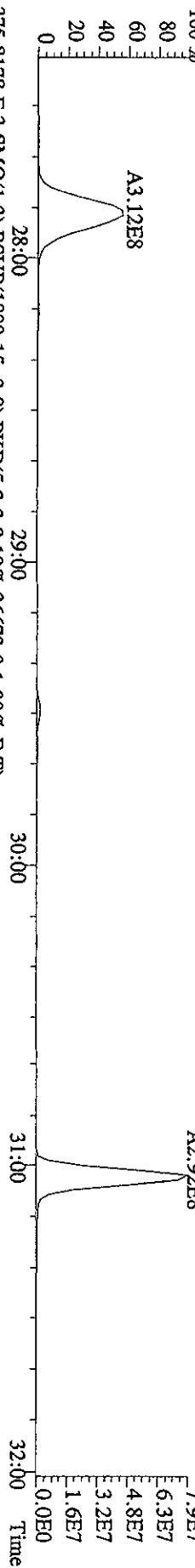


File:060C101D5 #1-301 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage SIR 70SE
Sample#1 Text:CP1006 .DB-5 CPSM 3732-09 Exp:DIOXINRES

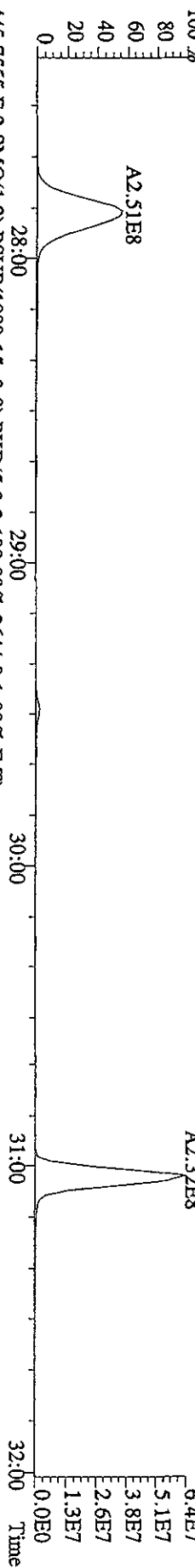
392.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



373.8208 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,29060,0.1,00%,F,T)



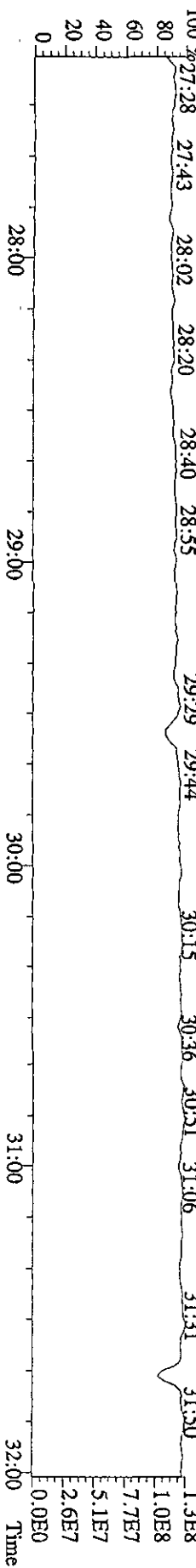
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,26672,0.1,00%,F,T)



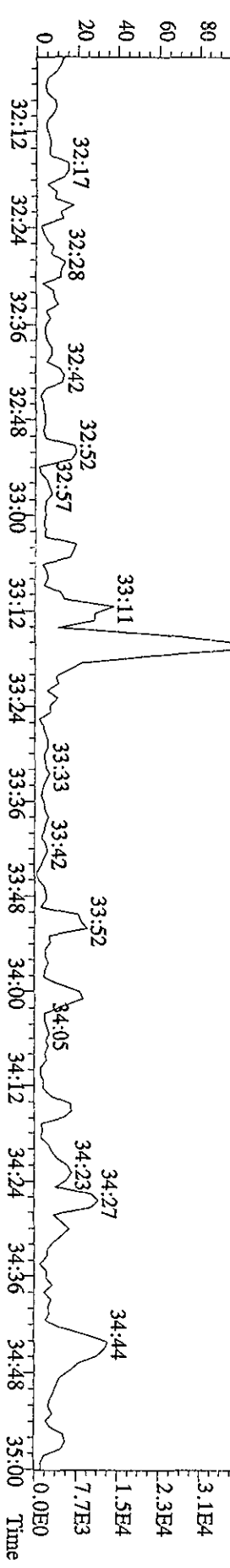
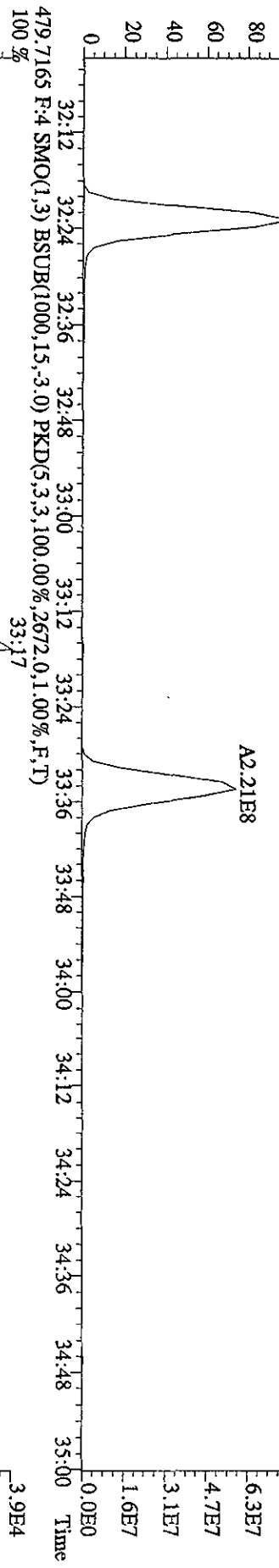
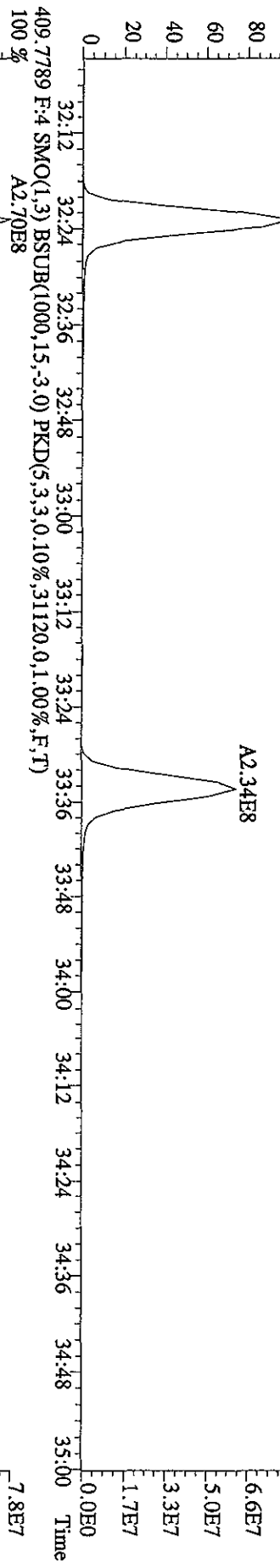
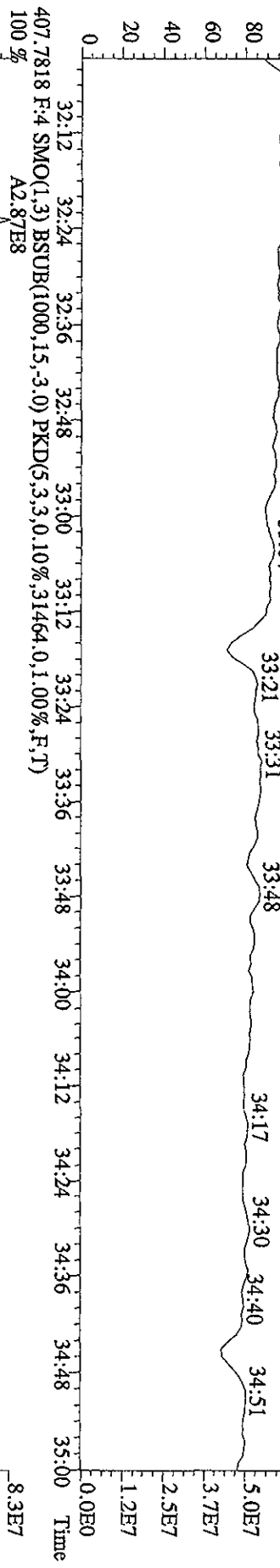
445.7555 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2644,0.1,00%,F,T)



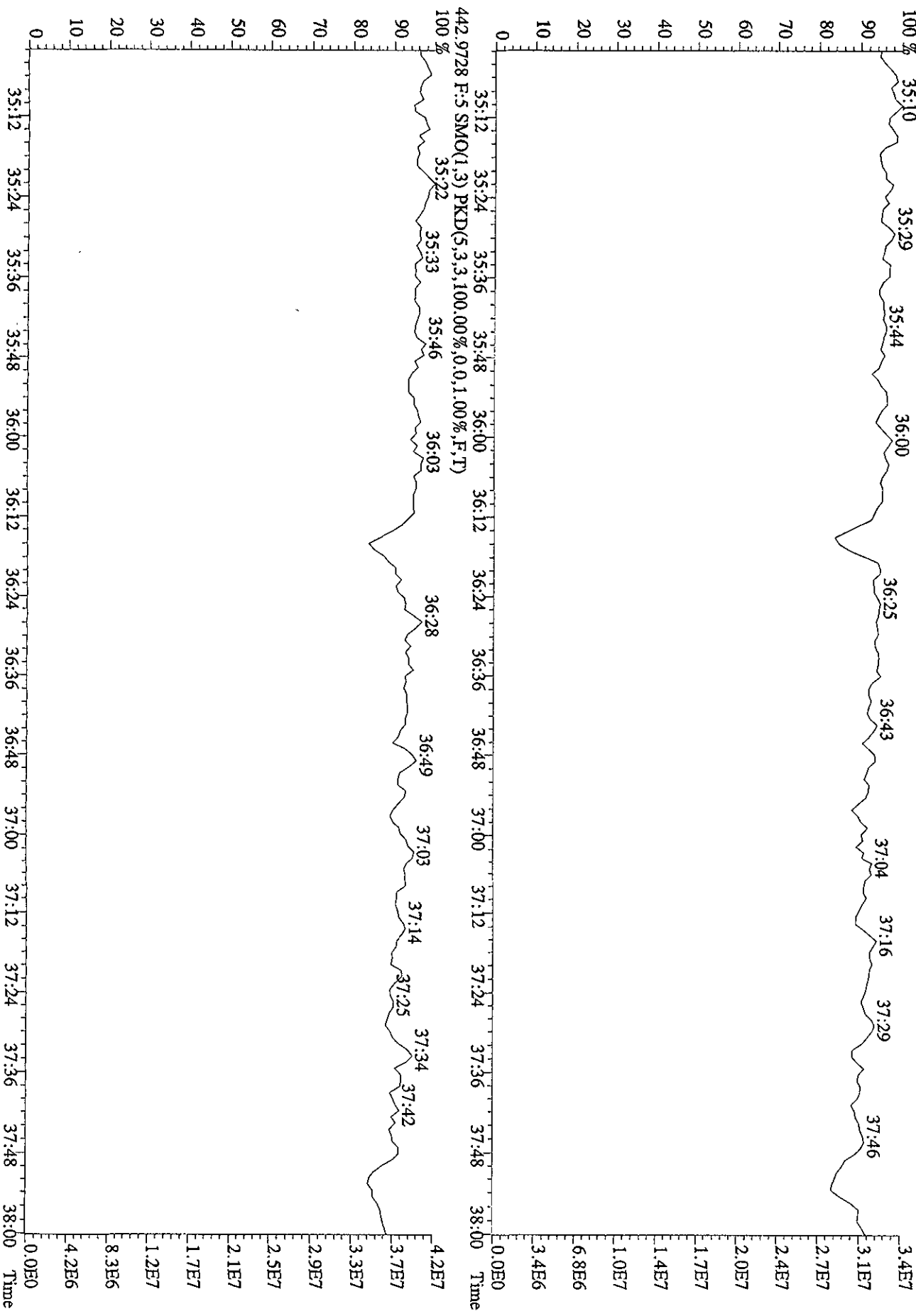
380.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



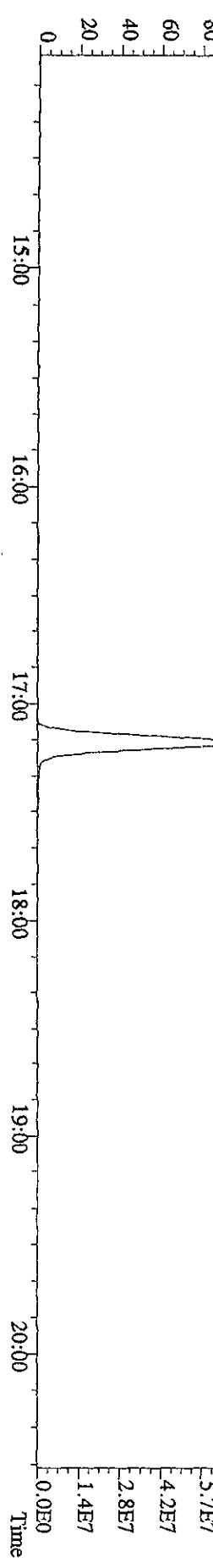
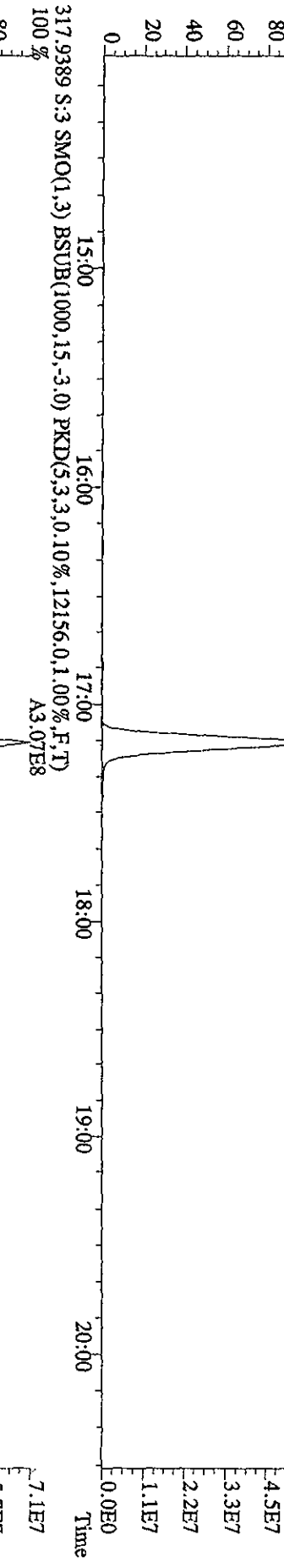
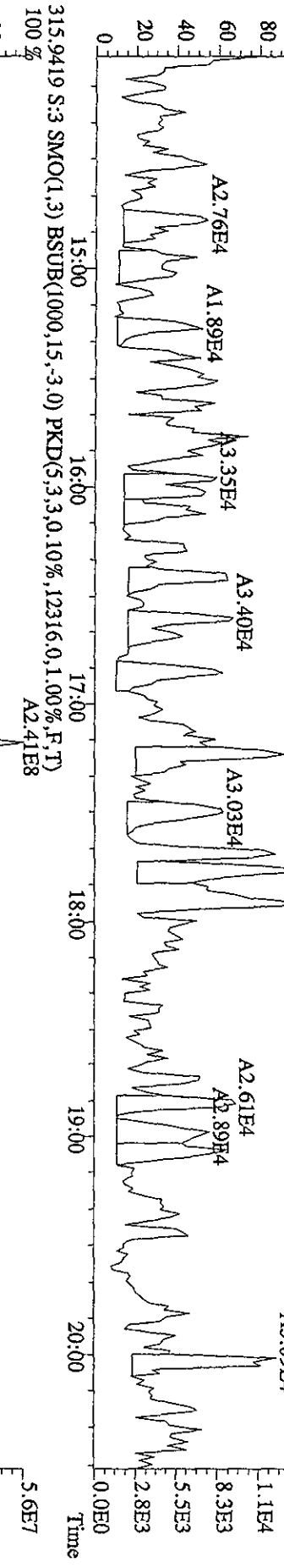
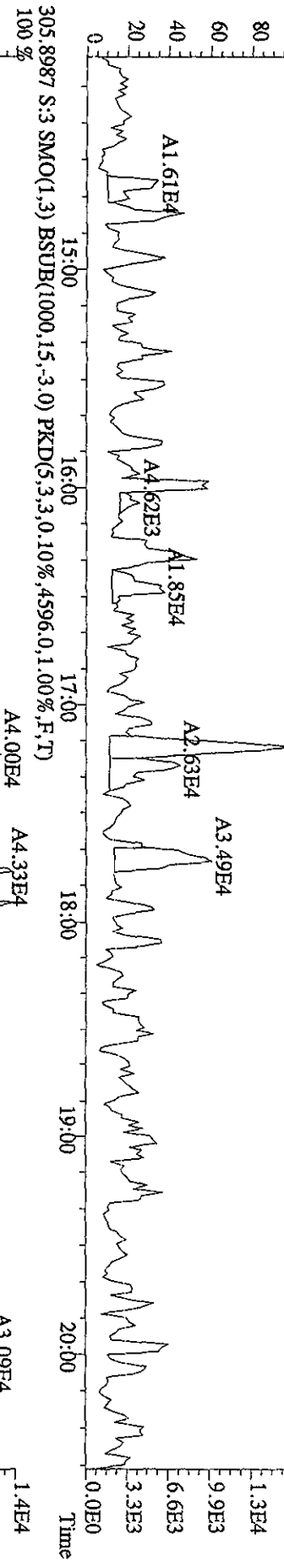
File:06OC101D5 #1-202 Acq: 6-OCT-2010 09:47:14 GC EI + Voltage SIR 70SE
 Sample#1 Text:CP1006 :DB-5 CPSM 3732-09 Exp:DIOXINES
 430.9728 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 32:10 32:21 32:43 32:54 33:04



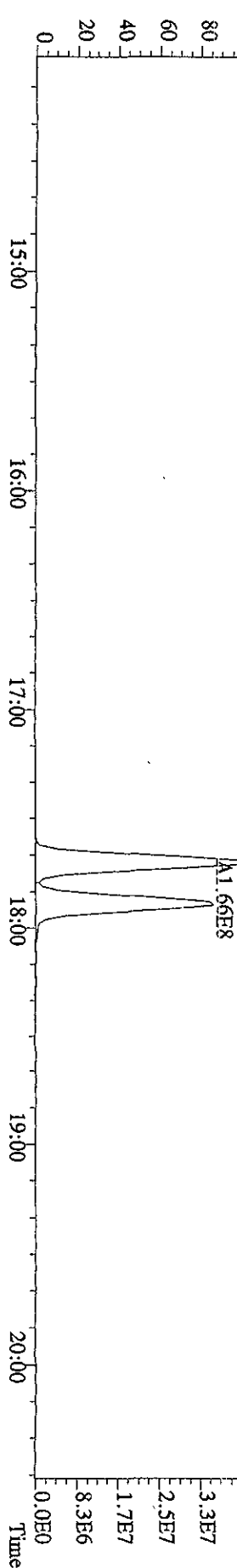
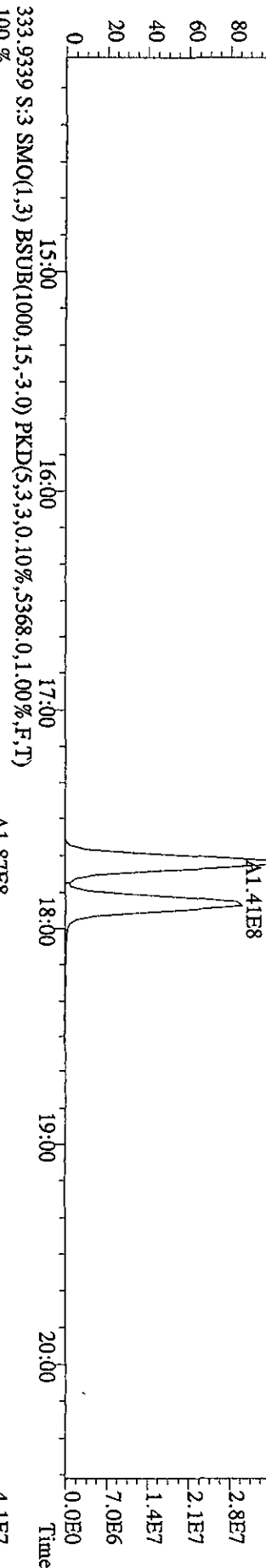
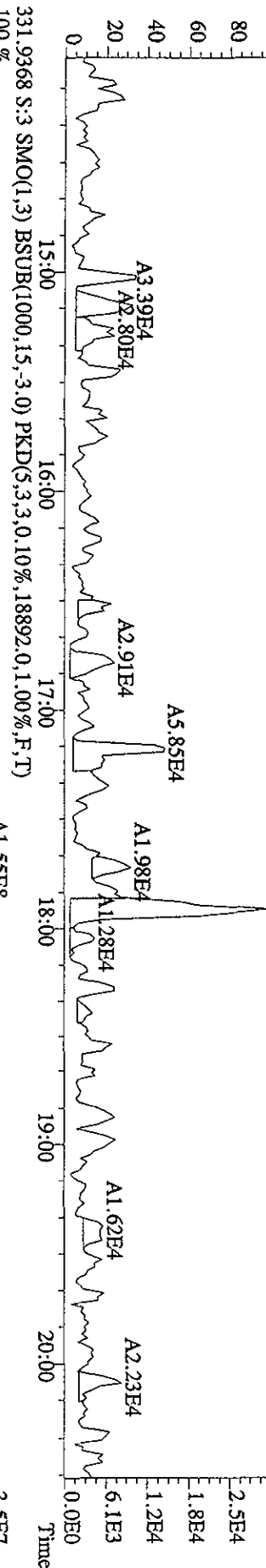
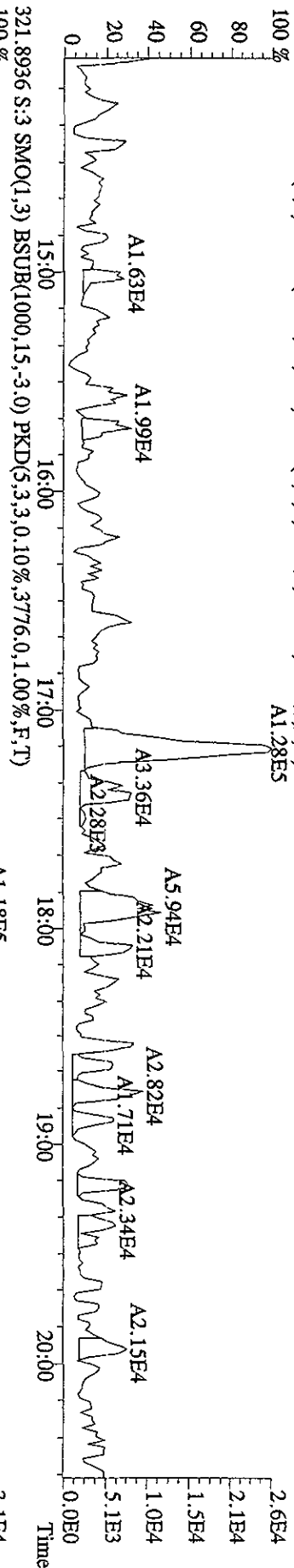
File:060C101D5 #1-196 Acq: 6-OCT-2010 09:47:14 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1006 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 35:10 35:29 35:44 36:00



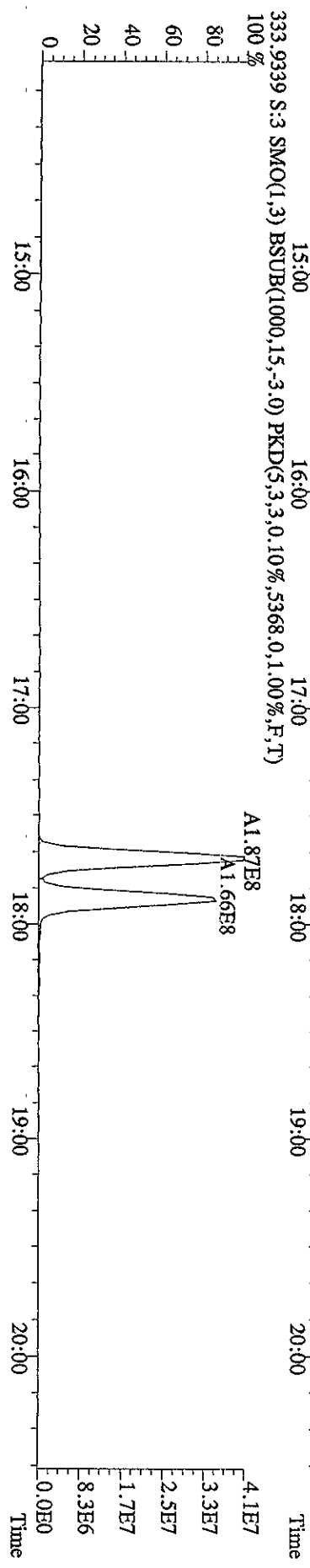
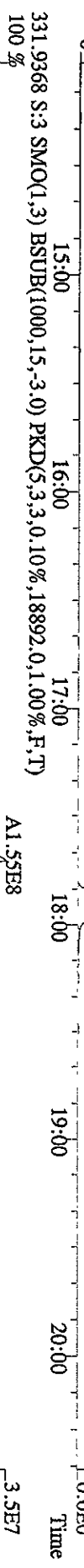
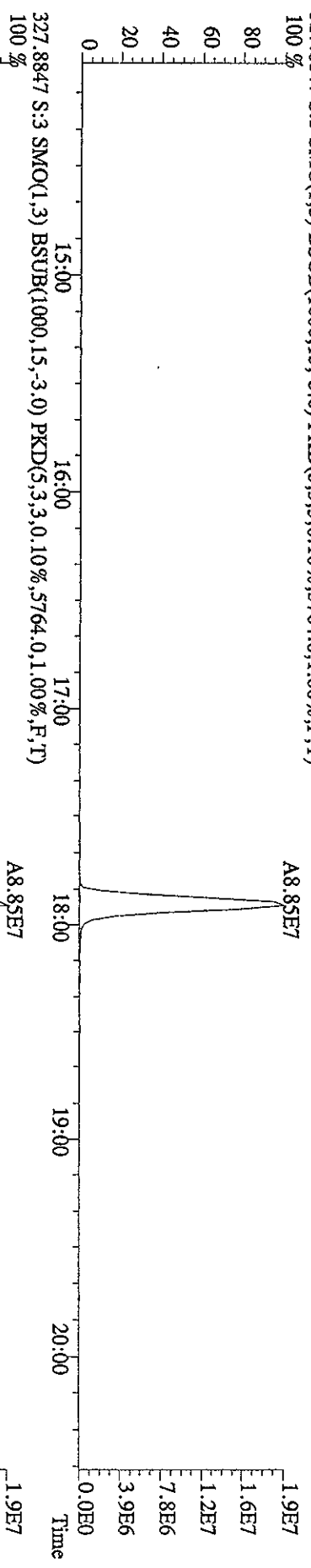
File:06OCI01D5 #1-382 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVQ-1-AA :G0I010000-374B Exp:DIOXINRES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3800.0,1.00%,F,T)
 100%



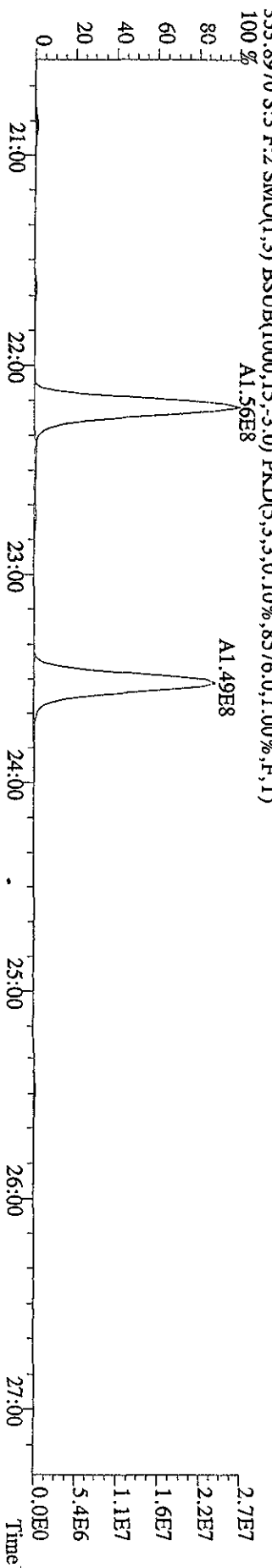
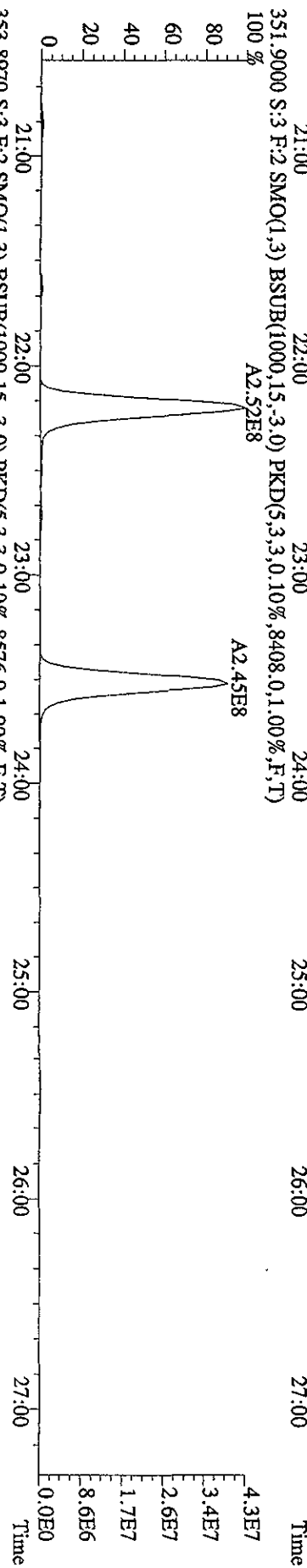
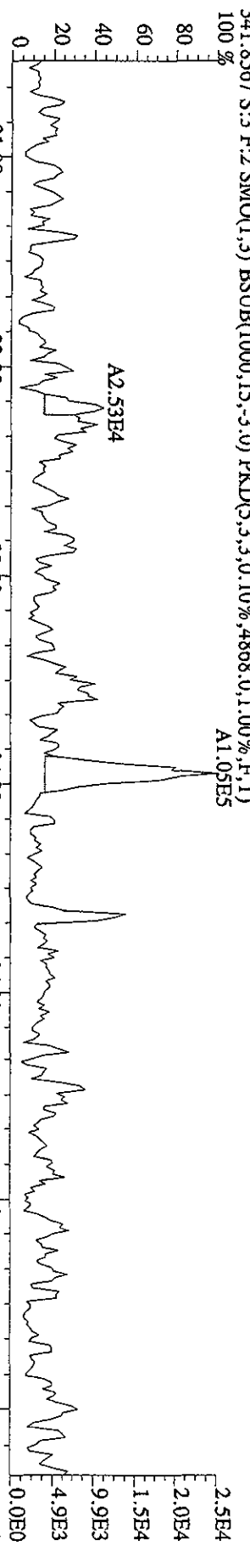
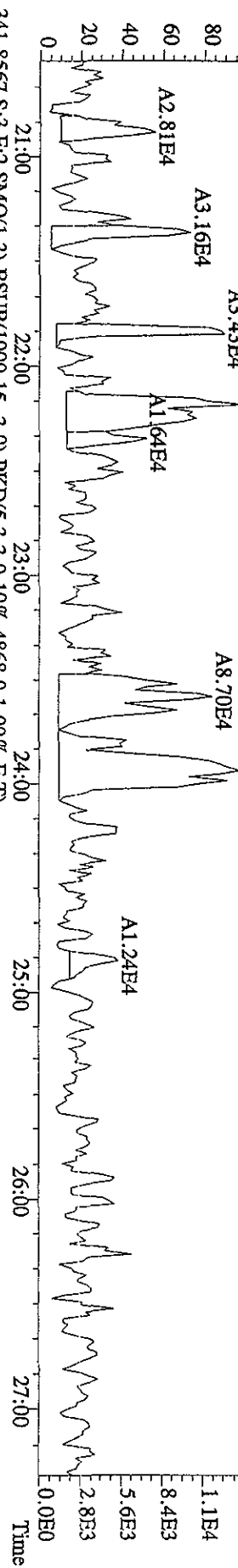
File:06OC101D5 #1-382 Acq: 6-OCT-2010 11:16:08 GC:EI+ Voltage: SIR 70SE
 Sample#3 Text:L7VVO-1-AA :G0J010000-374B Exp:DIOXINRES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3988.0,1.00%,F,T)
 A1.28E5



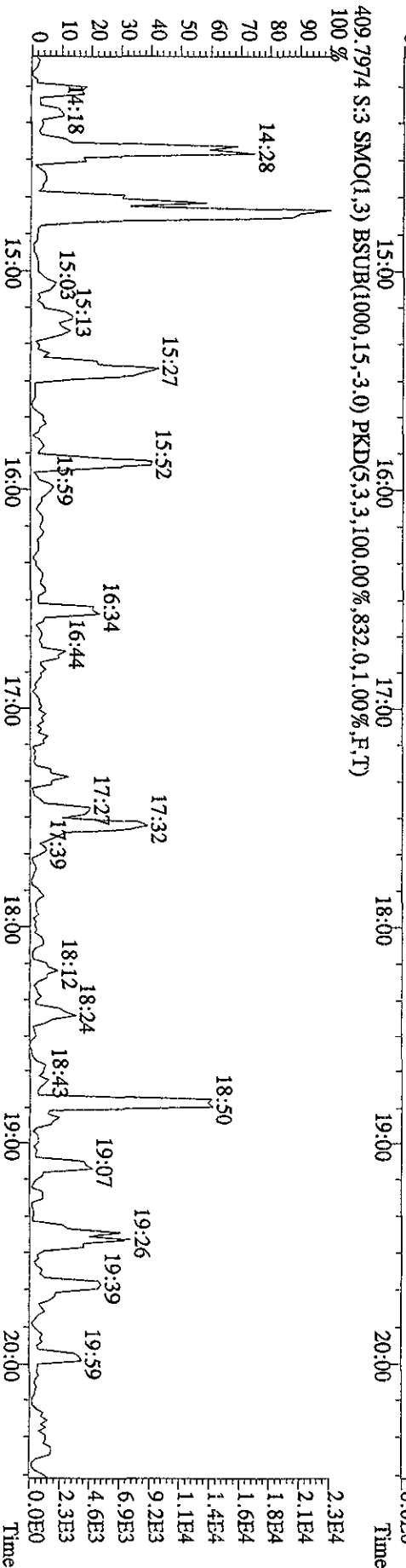
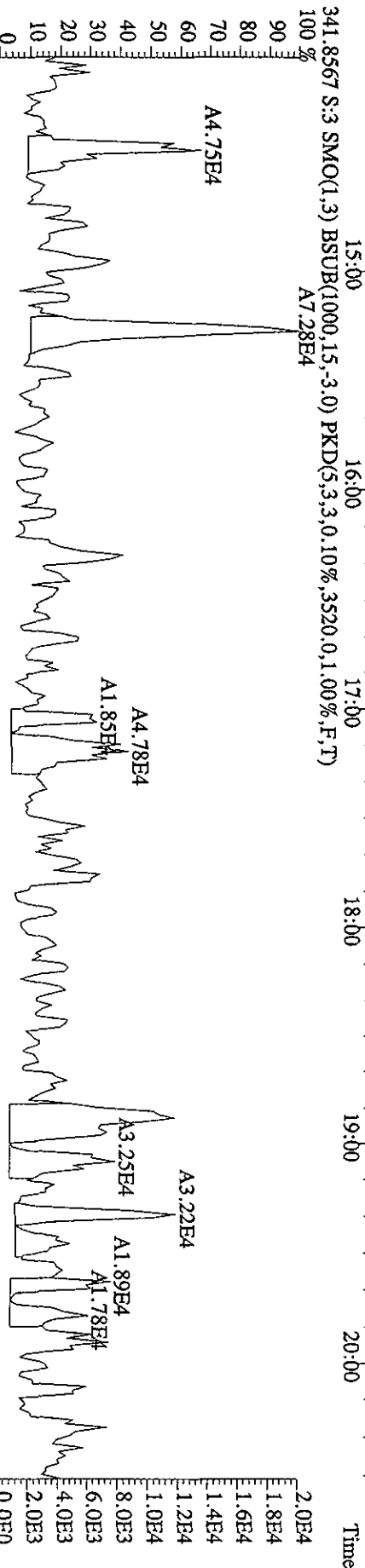
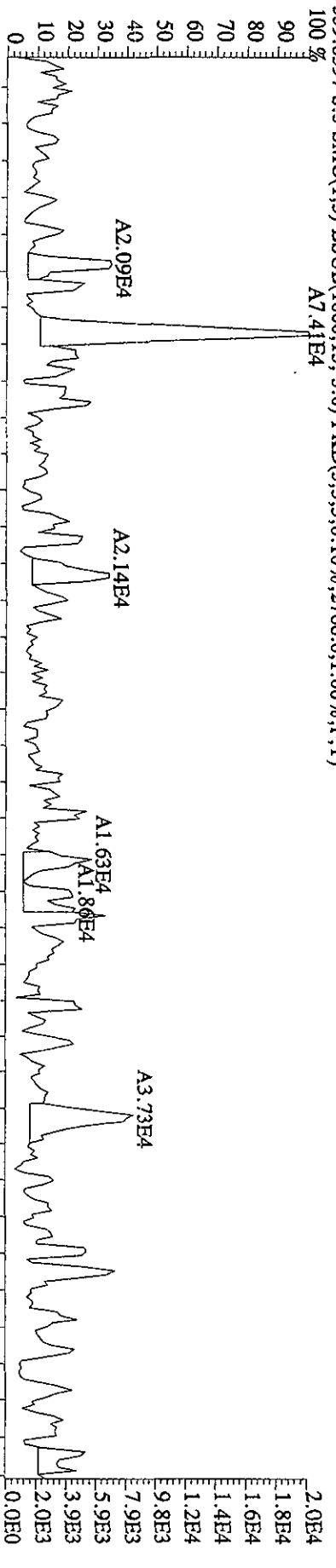
File:06OC101D5 #1-382 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:1.7VVQ-1-AA :G01010000-374B Exp:DIOXINRES
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5764.0,1.00%,F,T)
 100 %



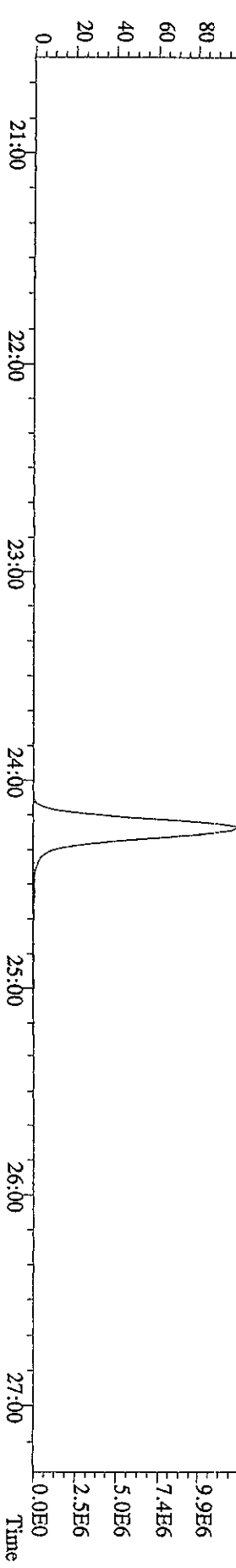
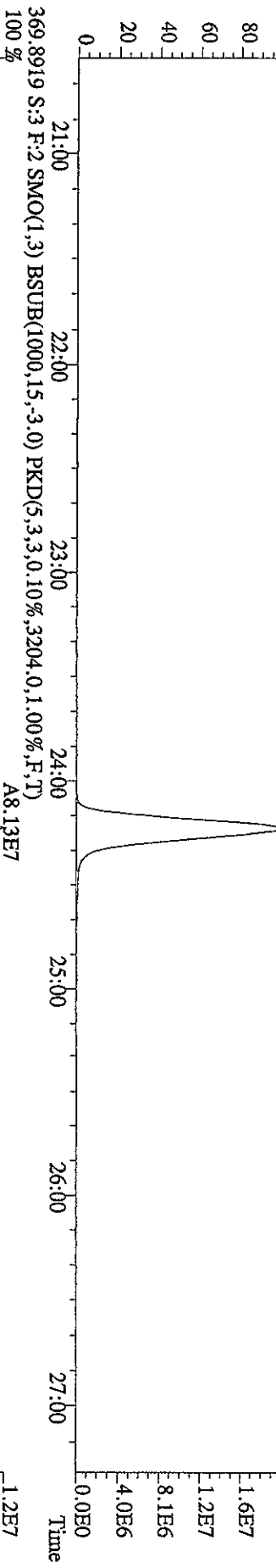
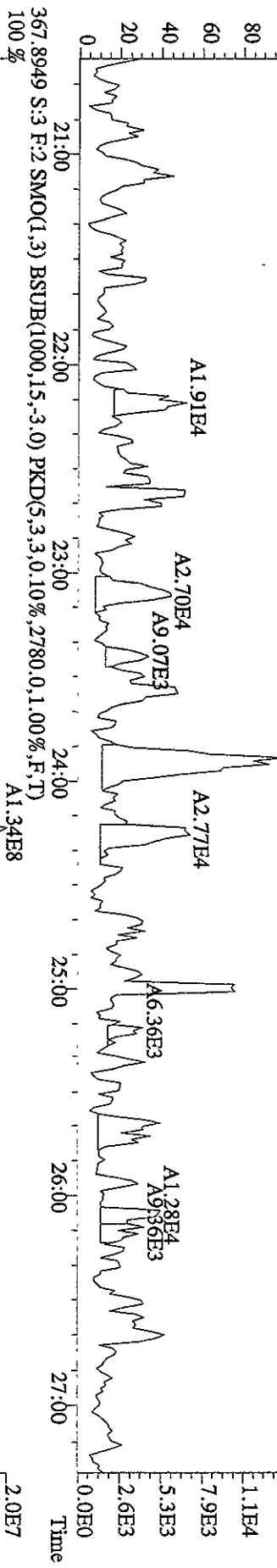
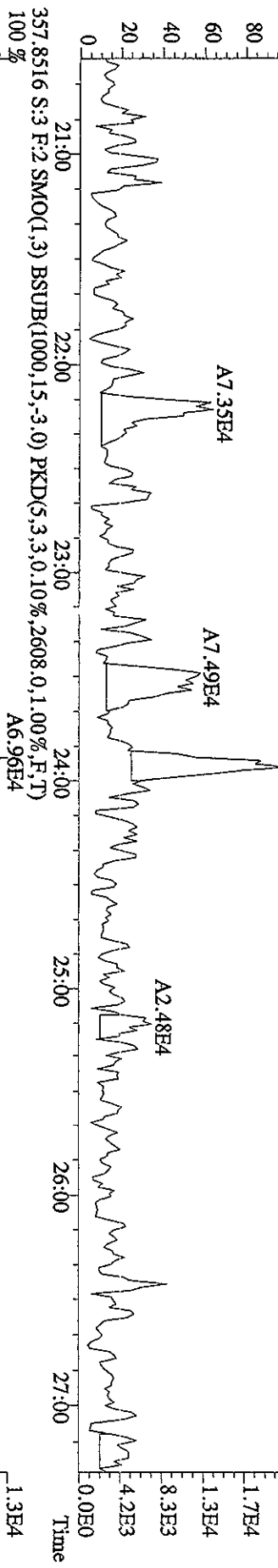
File:060C101D5 #1-422 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:LTVVQ-1-AA :G0J010000-374B Exp:DIOXINRES
 339.8597 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3584,0.1,00%,F,T)
 100%



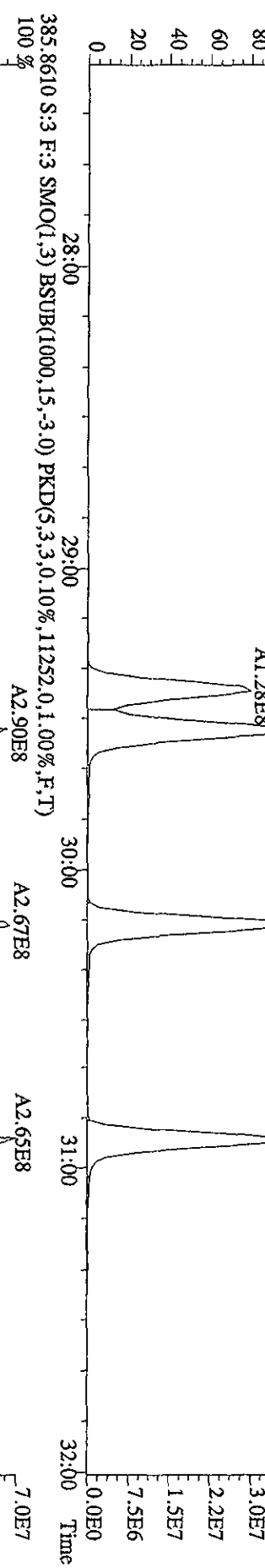
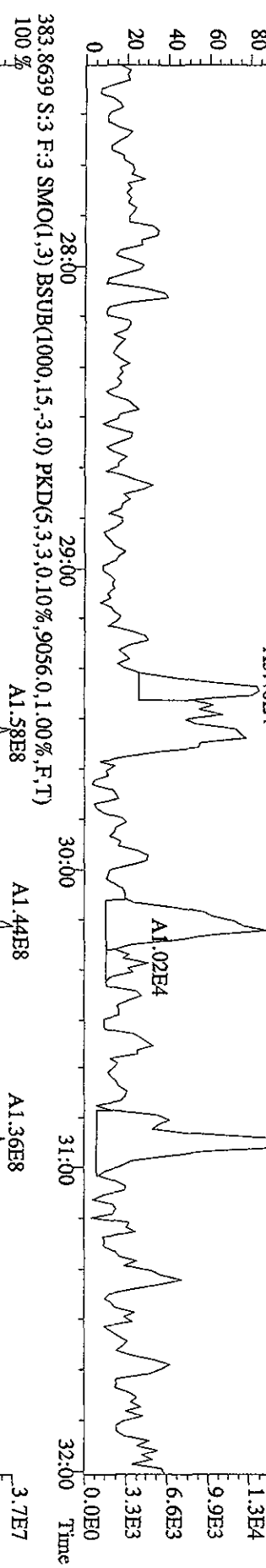
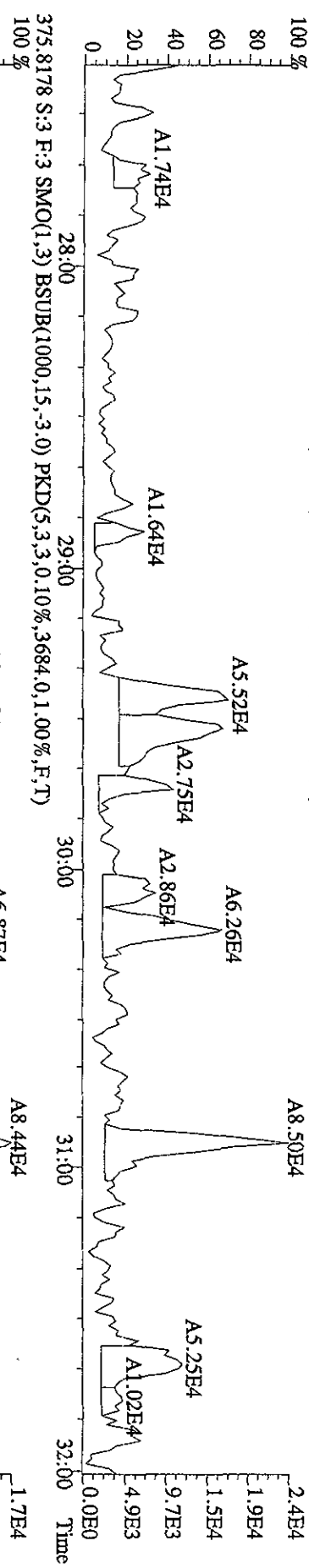
File:060C101D5 #1-382 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage:51R 70SE
 Sample#3 Text:L7VVO-1-AA :G01010000-374B Exp:DIOXINRES
 339.8597 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2768,0,1,00%,F,T)



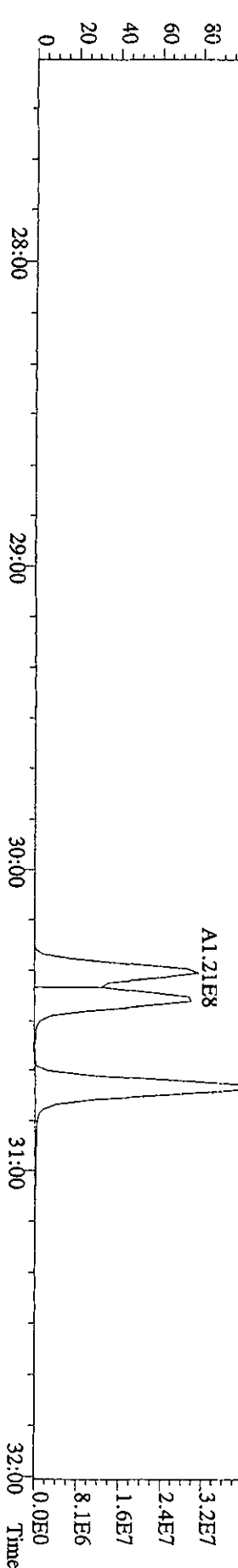
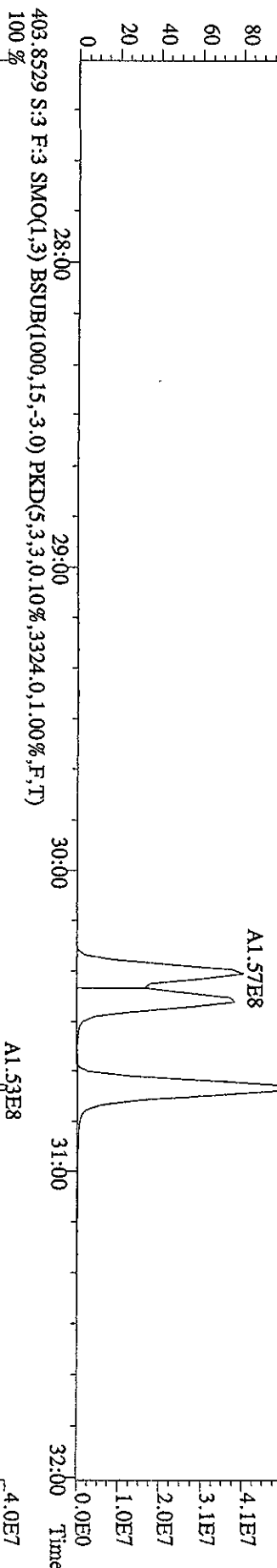
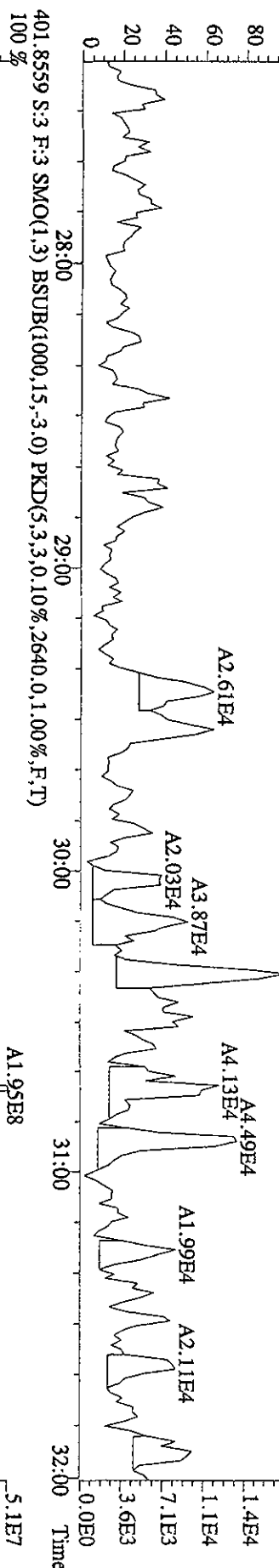
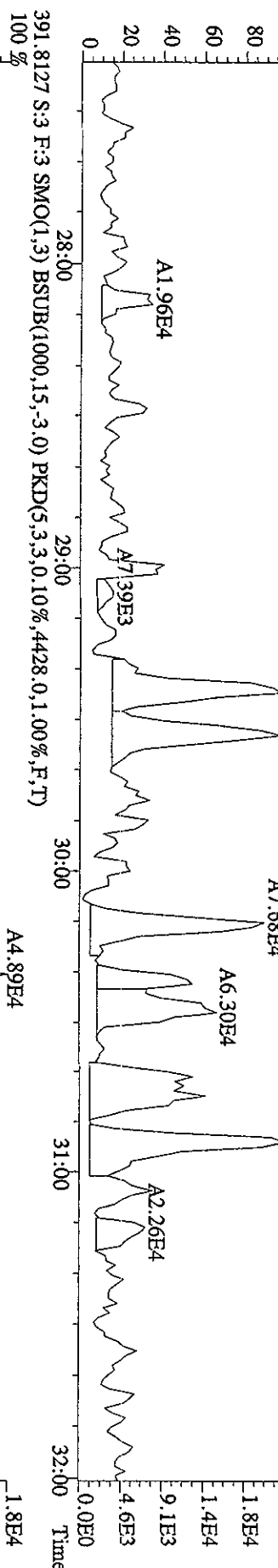
File: 06OCT101D5 #1-422 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVO-1-AA :G0J010000-374B Exp:DIOXINRES
 357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4584,0,1.00%,F,T)
 100%



File:060C101D5 #1-301 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVQ-1-AA :G01010000-374B Exp.:DIOXINRES
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4104,0.1,00%,F,T)
 100%



File:06OCT10ID5 #1-301 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVO-1-AA :G01010000-374B Exp.:DIOXINRES
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4864,0,1.00%,F,T)
 100 %



A2.95E5

8.7E4

A5.48E4

7.0E4

A3.31E4

5.2E4

A5.22E4

3.5E4

409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5004.0,1.00%,F,T)

A9.84E4

2.6E4

A6.57E4

2.1E4

A8.50E4

1.6E4

A5.41E4

1.0E4

417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,25076.0,1.00%,F,T)

A1.02E8

2.9E7

A8.36E7

2.3E7

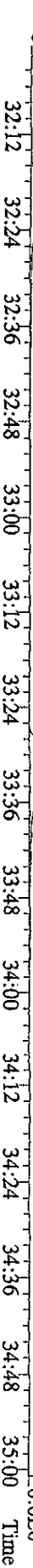
419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,33544.0,1.00%,F,T)

A2.24E8

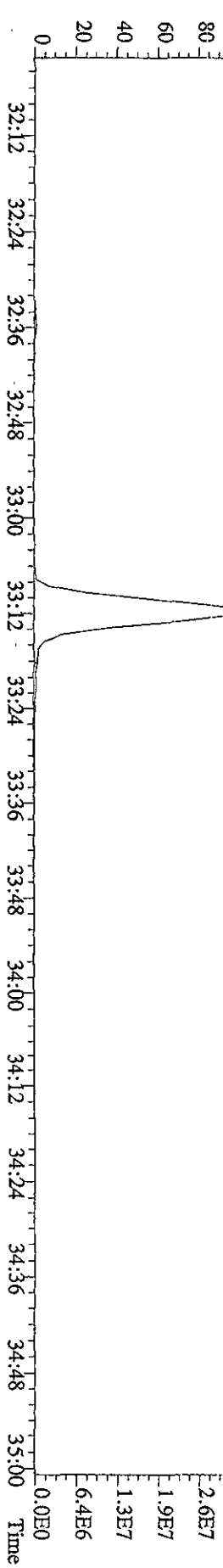
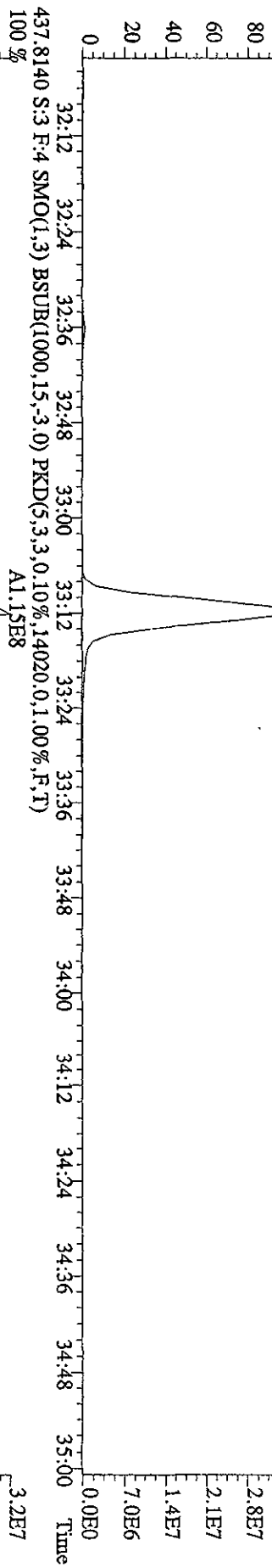
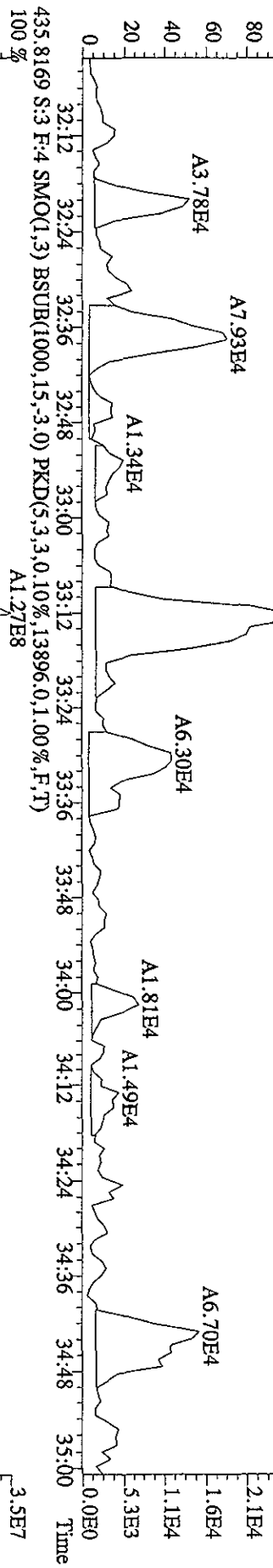
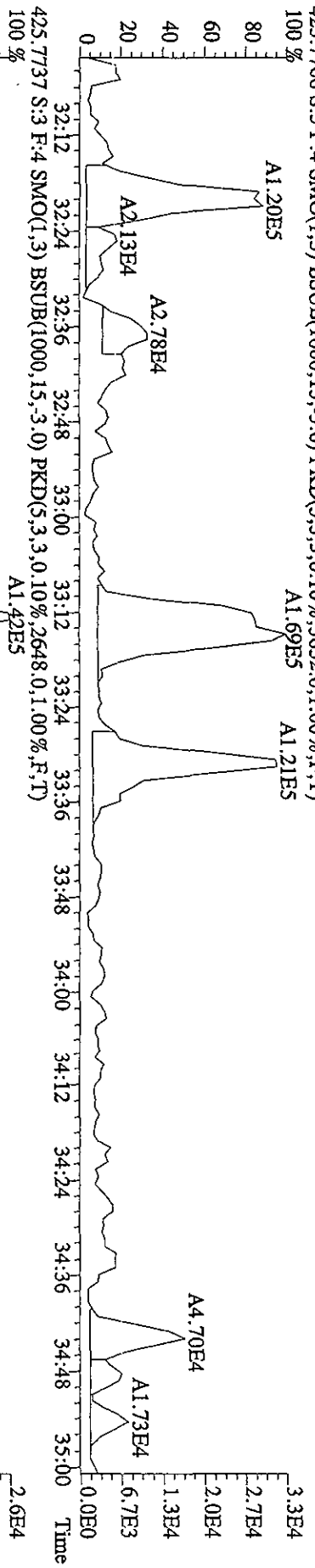
6.4E7

A1.85E8

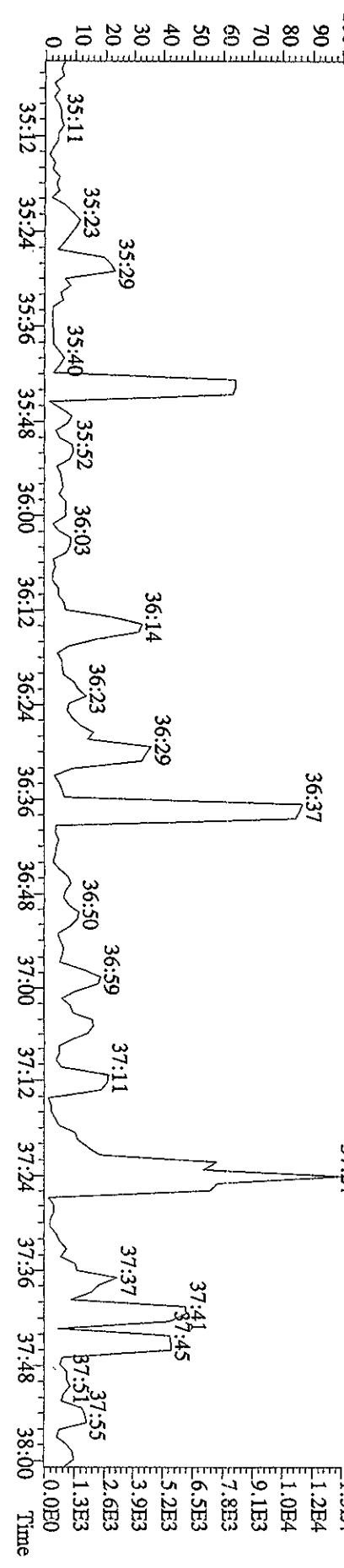
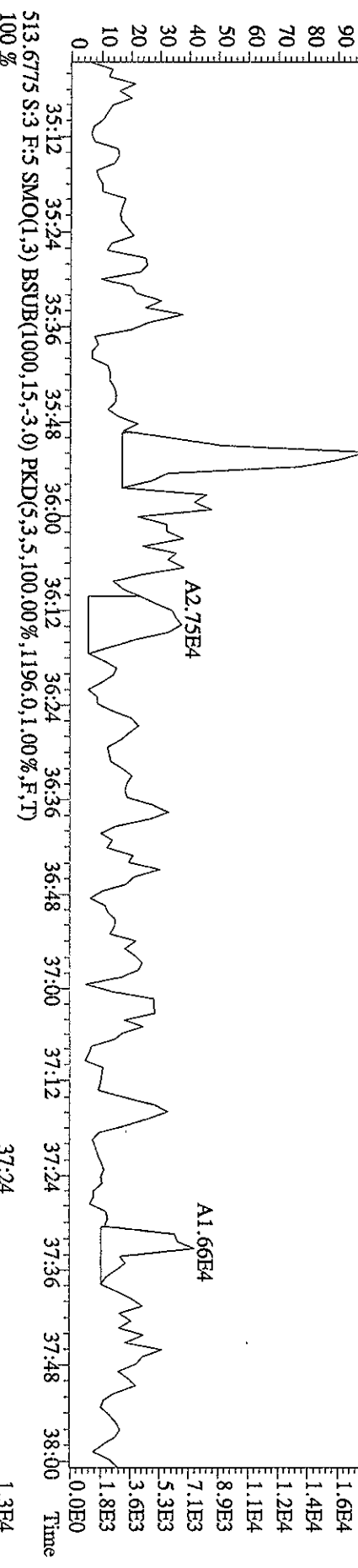
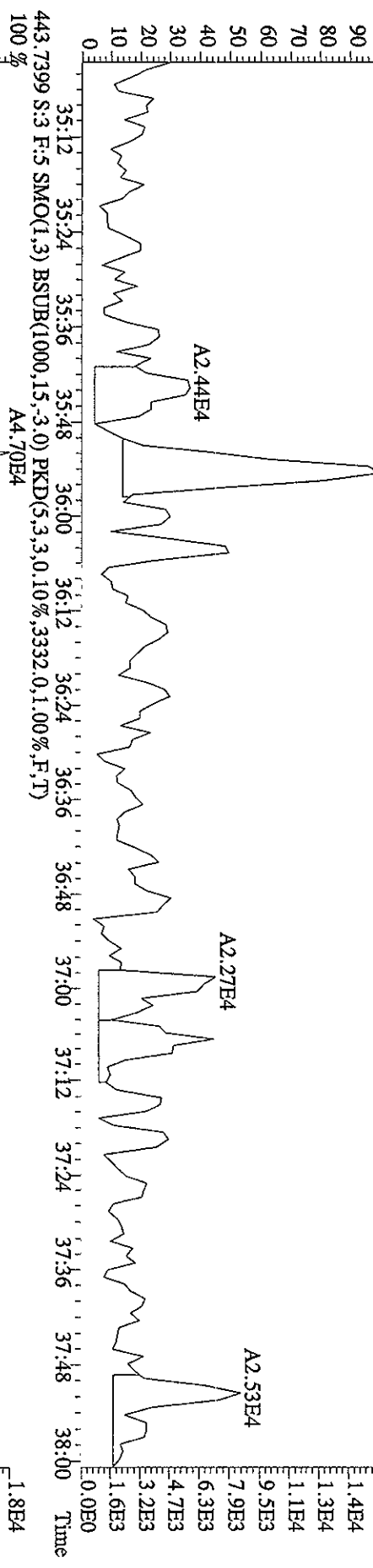
5.1E7



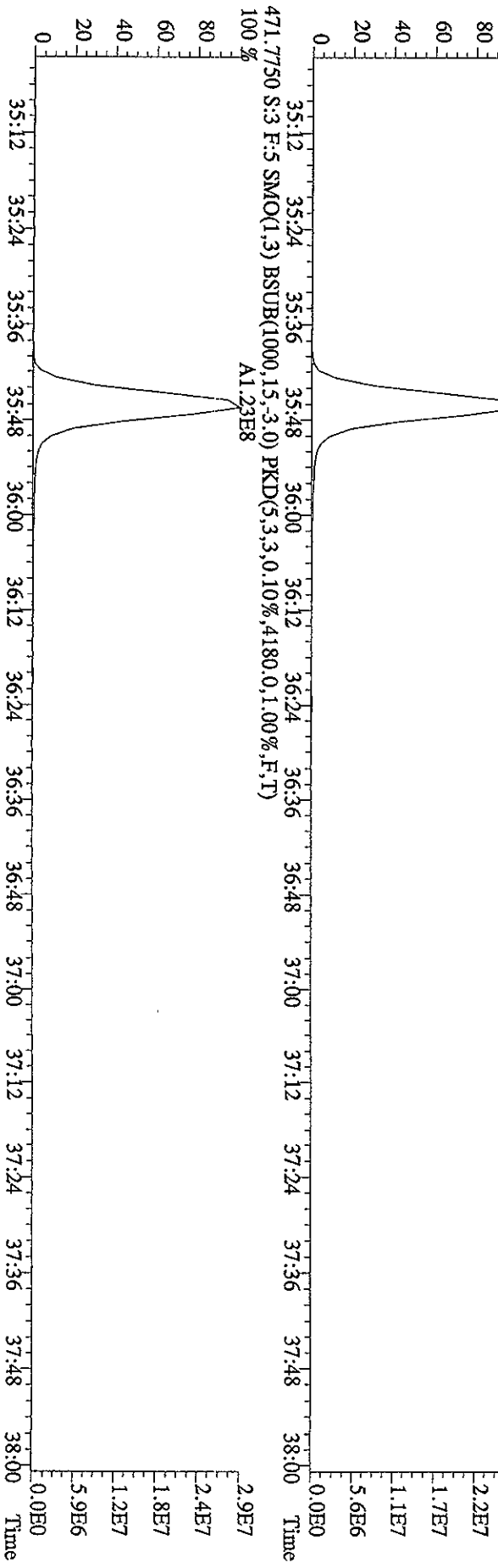
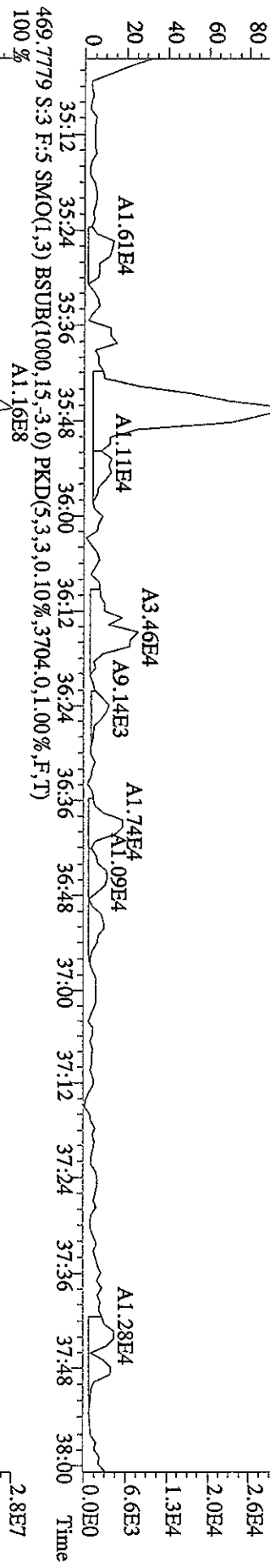
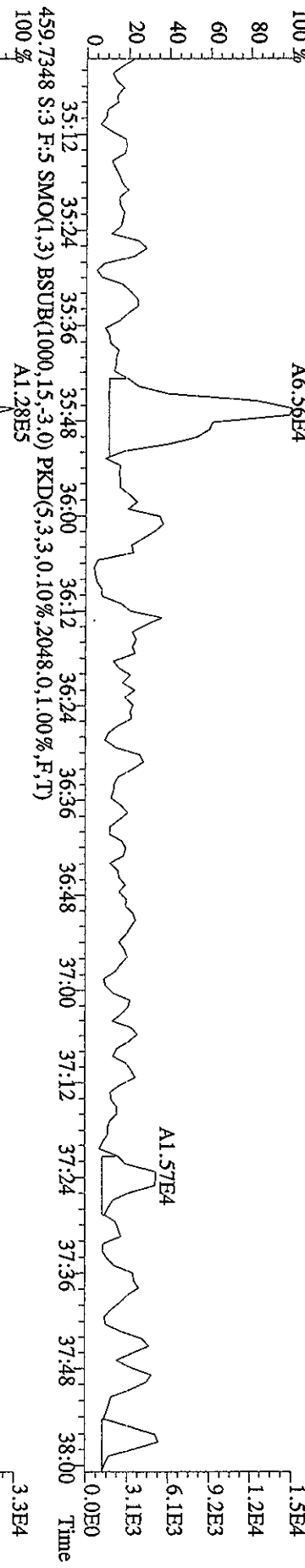
Sample#3 Text:LTVVQ-1-AA :G01010000-374B
423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3852.0,1.00%,F,T)



File:06OCT10ID5 #1-196 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVQ-1-AA :G01010000-374B Exp:DIOXINRES
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,3148.0,1.00%,F,T)
 100%

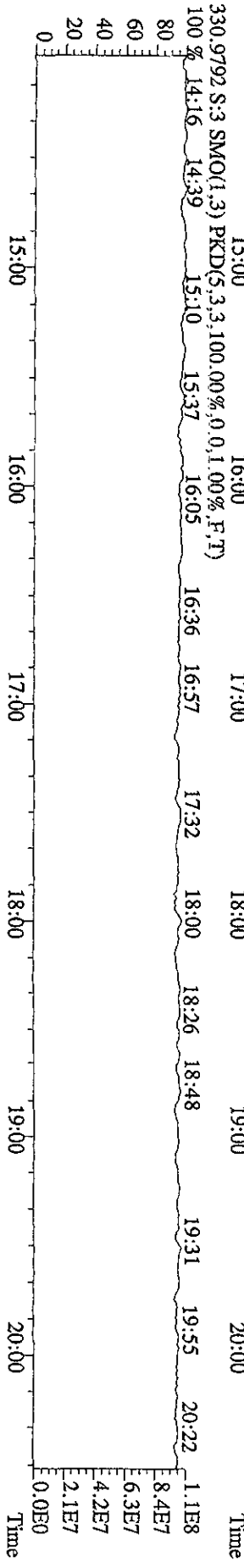
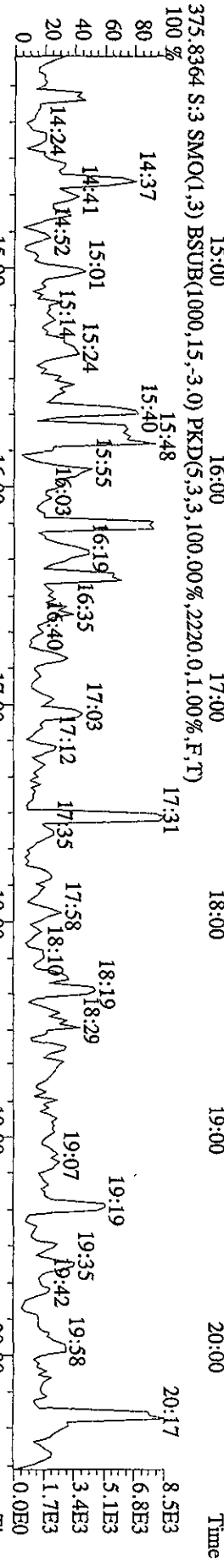
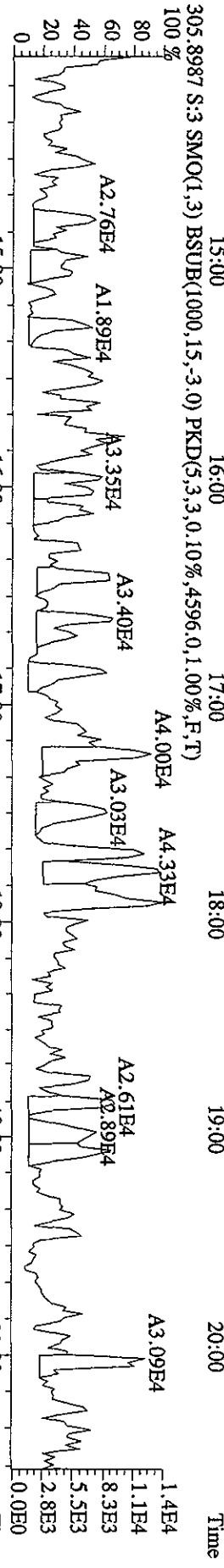
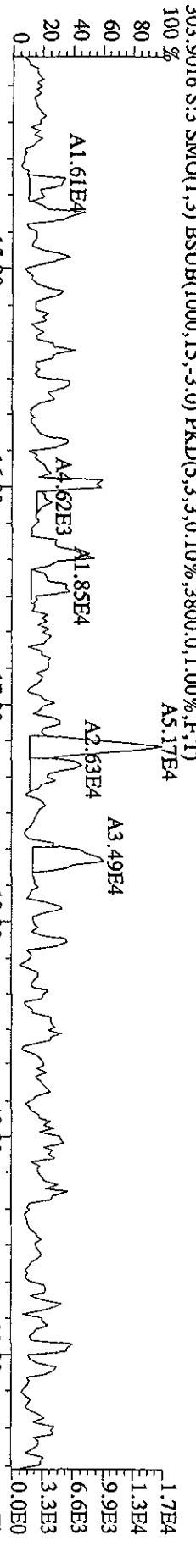
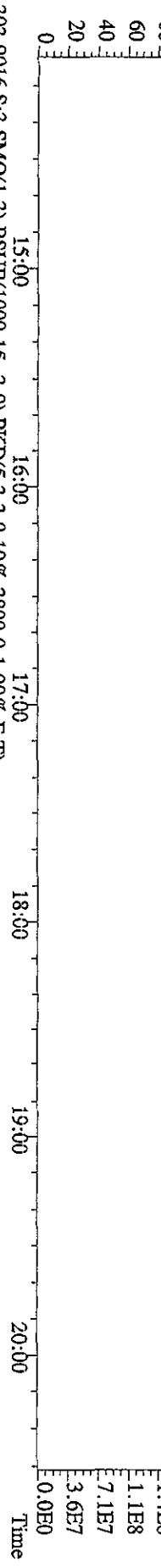


File:06OC101D5 #1-196 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:LTVVQ-1-AA :G0I010000-374B Exp:DIOXINRES
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3308,0,1,00%,F,T)

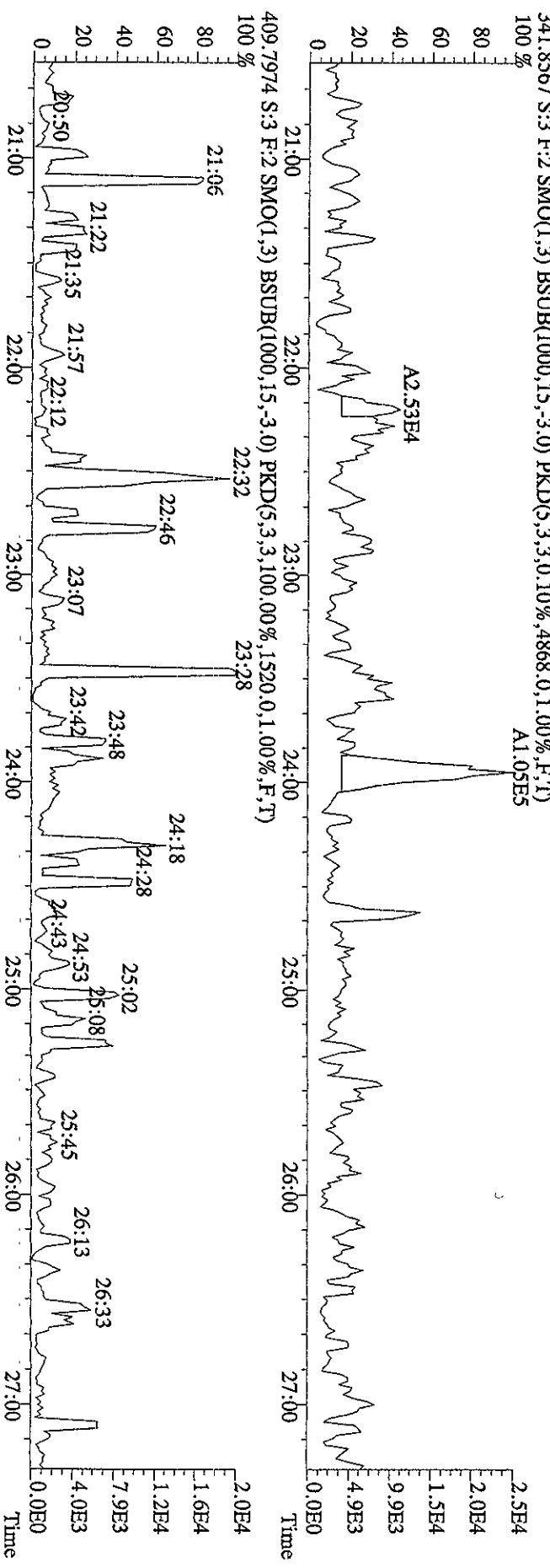
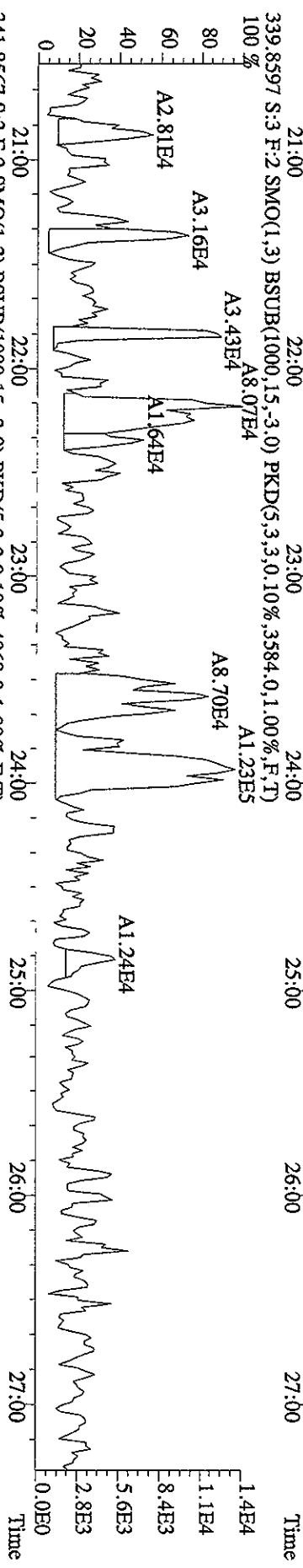
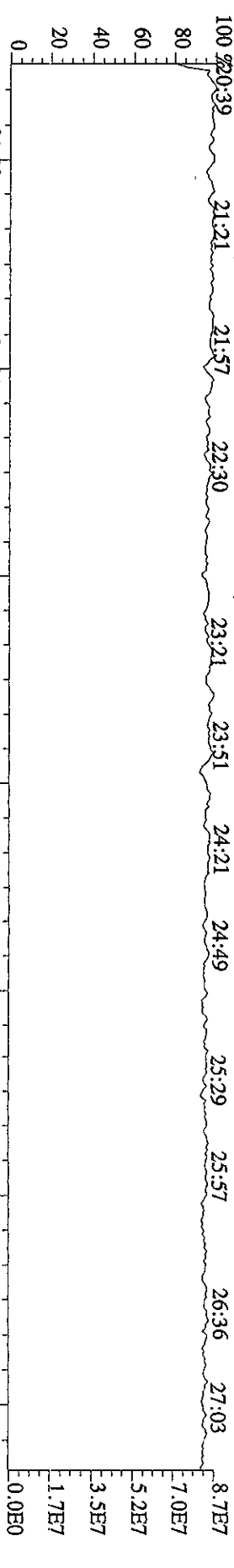


Sample#3 Text:L7VVQ-1-AA :G01010000-374B Exp:DIOXINRES

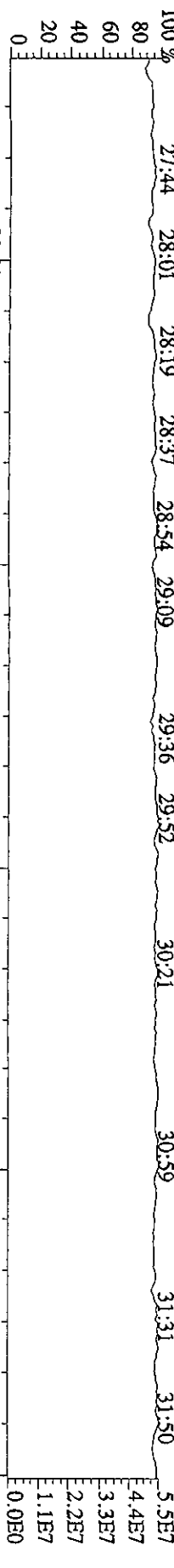
292.9825 S:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



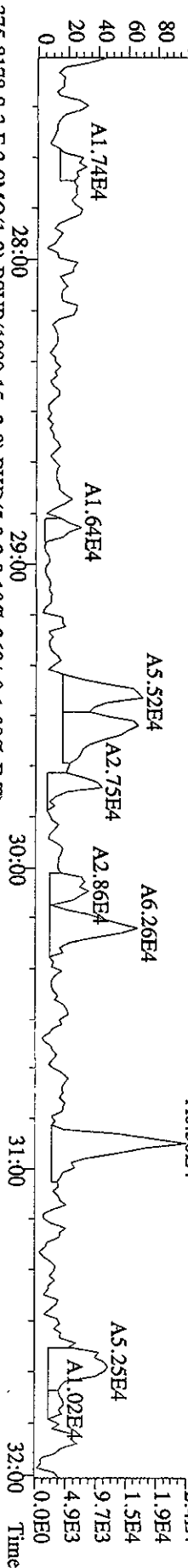
File:06OC101D5 #1-422 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE
 Sample#3 Text:L7VVO-1-AA :G01010000-374B Exp:DIOXINES
 342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100 % 20:39 21:21 21:57 22:30 23:21 23:51 24:21 24:49 25:29 25:57 26:36 27:03



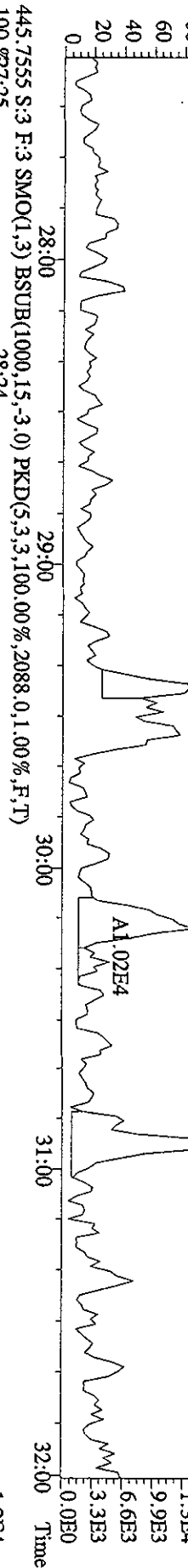
File:060C101D5 #1-301 Acq: 6-OCT-2010 11:16:08 GC EI + Voltage SIR 70SE
 Sample#3 Text:LVVQ-1-AA :G01010000-374B Exp:DIOXINRES
 392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 27:44 28:01 28:19 28:37 28:54 29:09 29:36 29:52 30:21 30:59 31:31 31:50



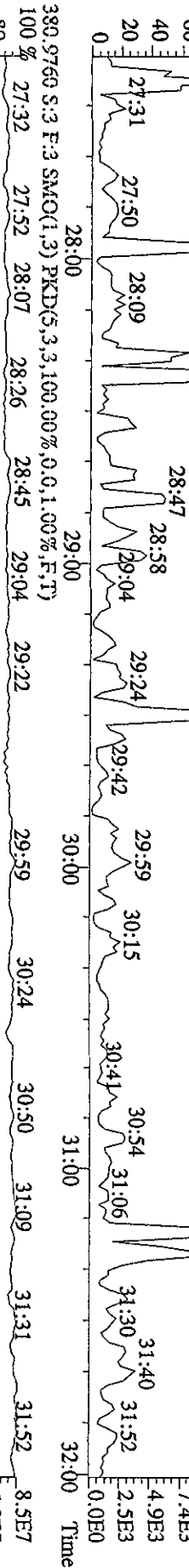
373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4104,0,1,00%,F,T)
 100% 28:00 29:00 30:00 31:00 32:00
 2.4E4
 1.9E4
 1.5E4
 9.7E3
 4.9E3
 0.0E0



375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3684,0,1,00%,F,T)
 100% 28:00 29:00 30:00 31:00 32:00
 1.7E4
 1.3E4
 9.9E3
 6.6E3
 3.3E3
 0.0E0



445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,2088,0,1,00%,F,T)
 100% 27:25 28:00 29:00 30:00 31:00 32:00
 1.2E4
 9.9E3
 7.4E3
 4.9E3
 2.5E3
 0.0E0



399.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 27:32 27:52 28:07 28:26 28:45 29:04 29:22 29:59 30:24 30:50 31:09 31:31 31:52
 8.5E7
 6.8E7
 5.1E7
 3.4E7
 1.7E7
 0.0E0



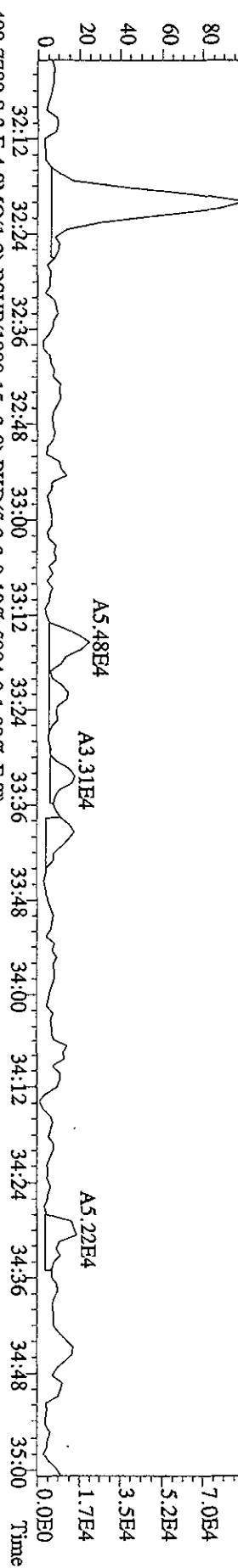
File:06OC101D5 #1-203 Acq: 6-OCT-2010 11:16:08 GC EI+ Voltage SIR 70SE

Sample#3 Text:LTVVO-1-AA :G0J010000-374B Exp:DIOXINRES

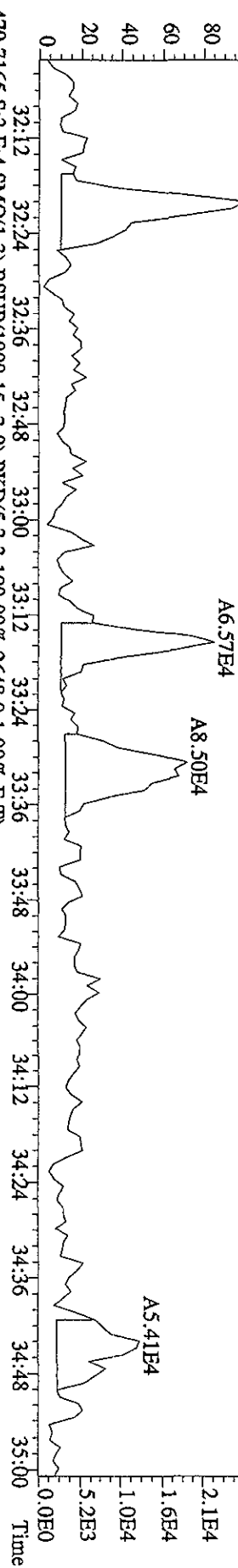
430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



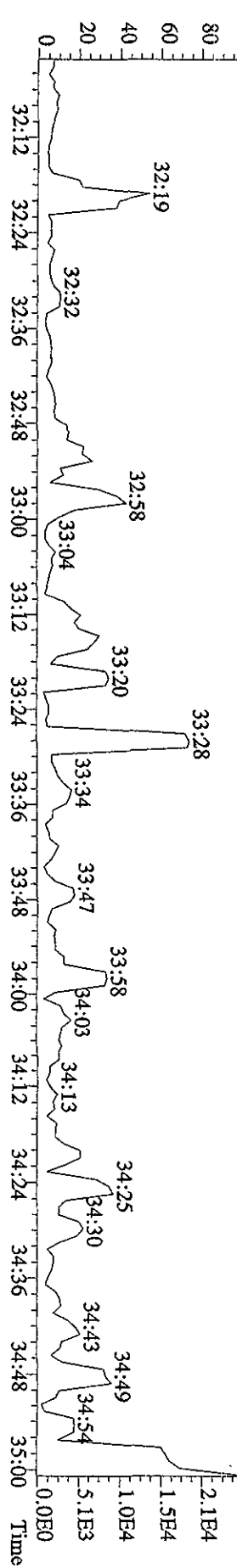
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8196,0,1.00%,F,T)



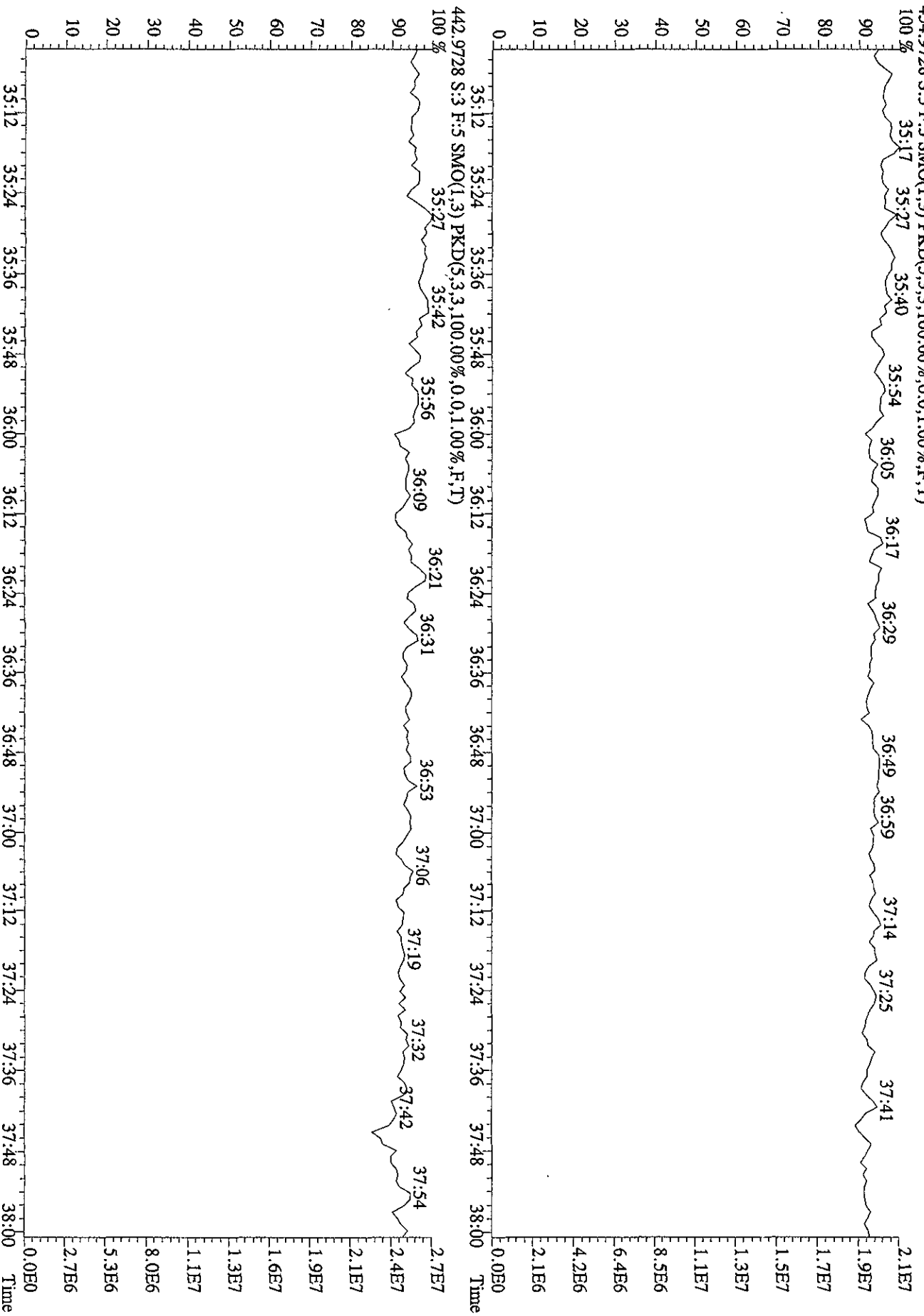
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5004,0,1.00%,F,T)



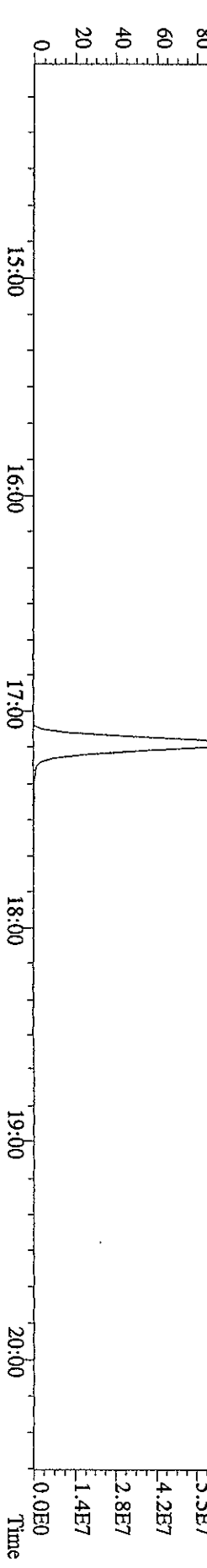
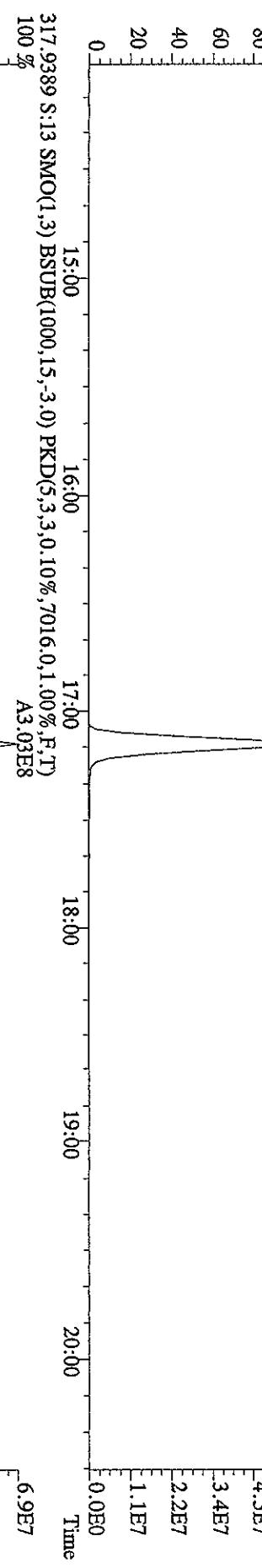
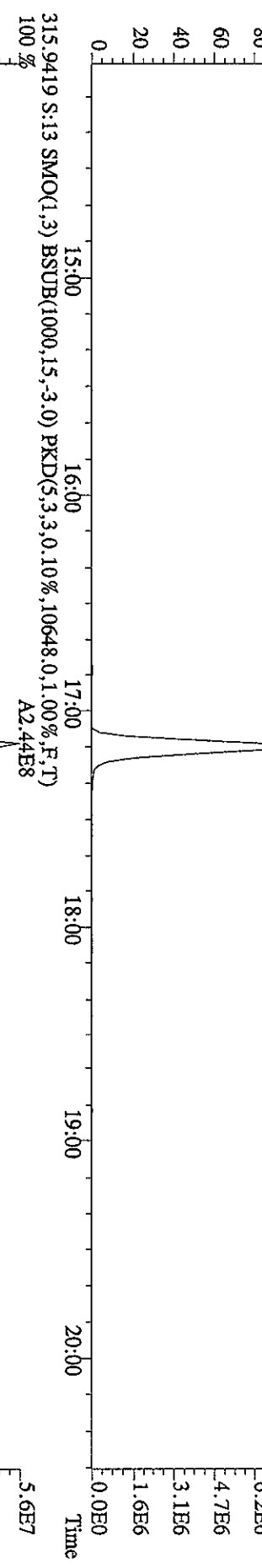
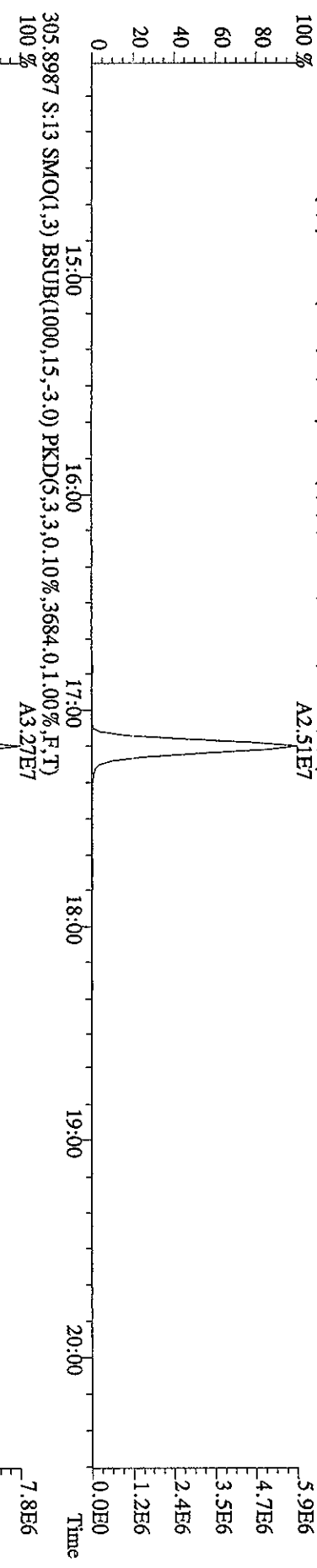
479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2648,0,1.00%,F,T)



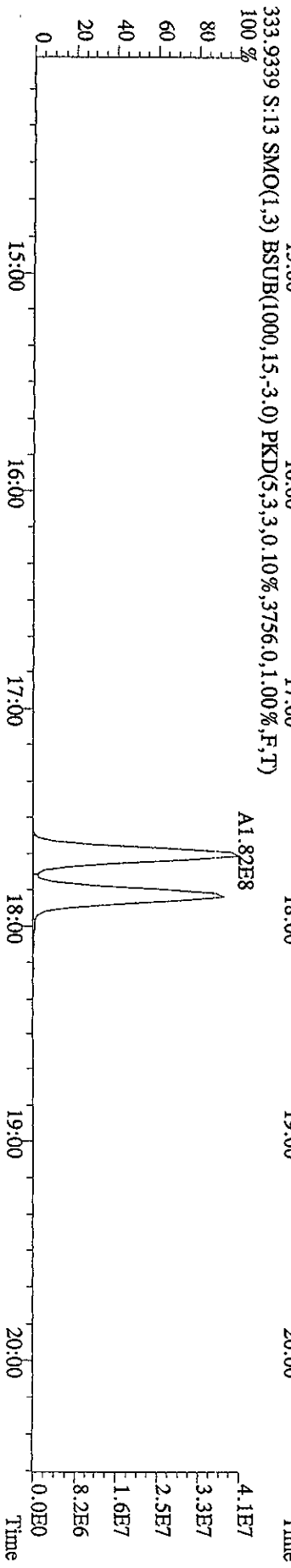
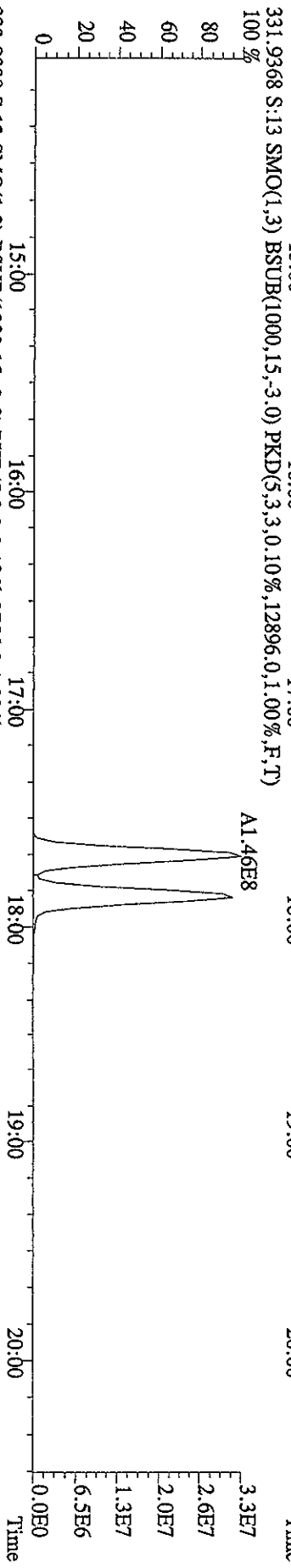
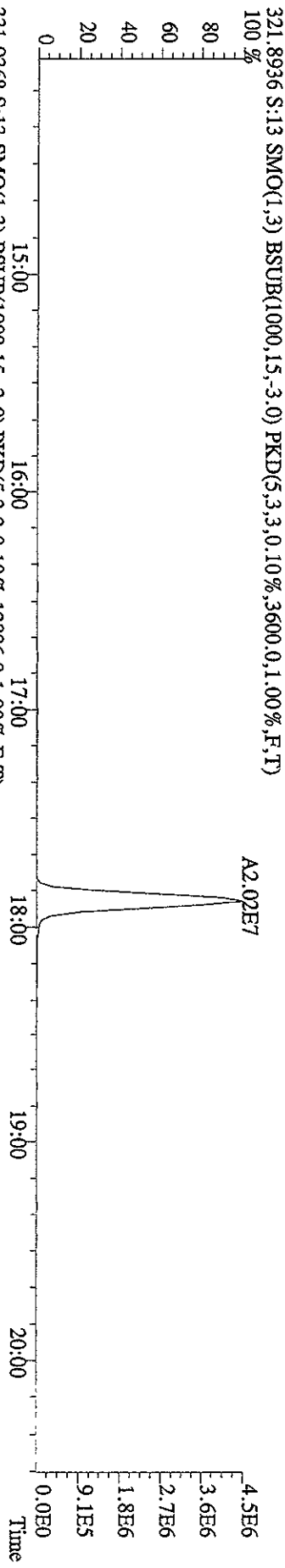
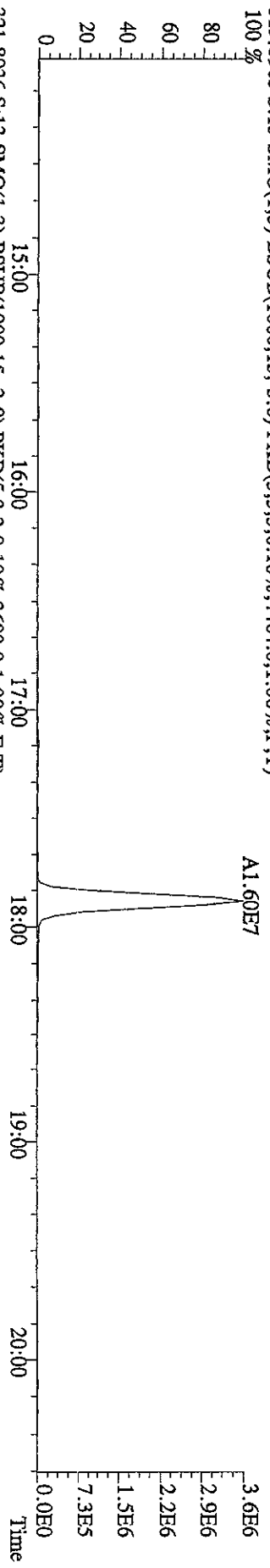
File:060C101D5 #1-196 Acq: 6-OCT-2010 11:16:08 GC EI + Voltage SIR 70SE
 Sample#3 Text:LVVQ-1-AA :G01010000-374B Exp:DIOXINES
 454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



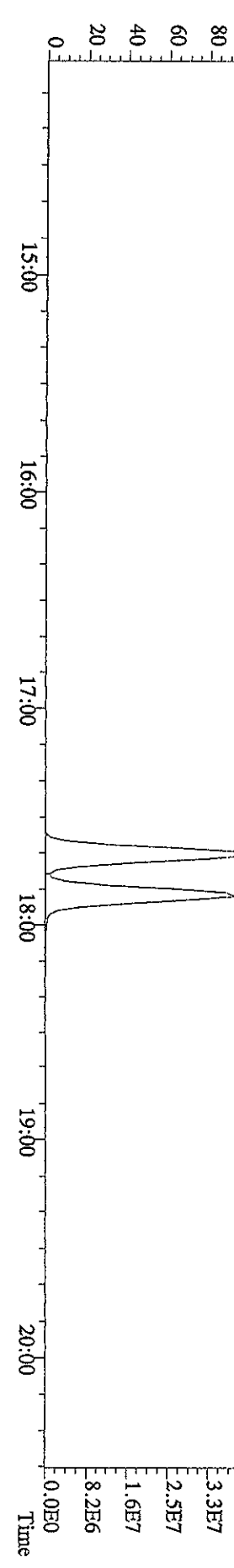
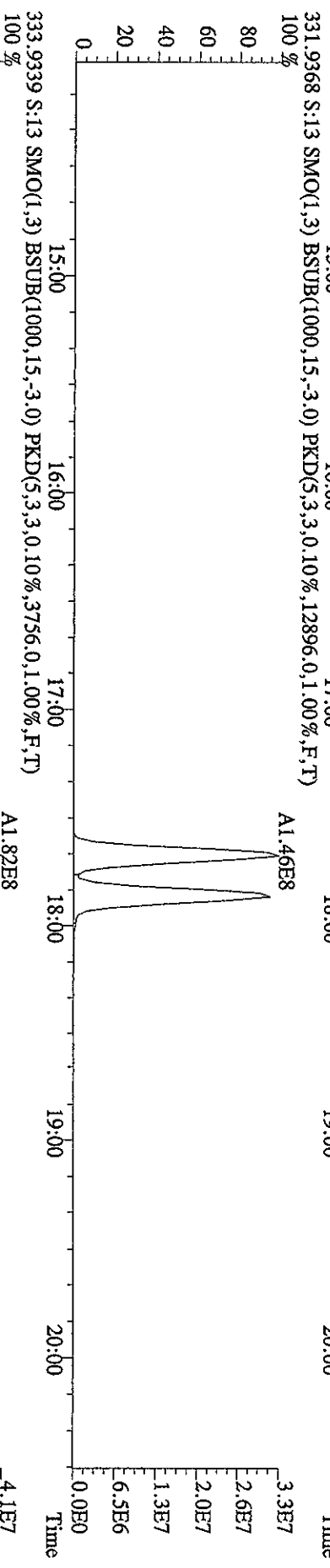
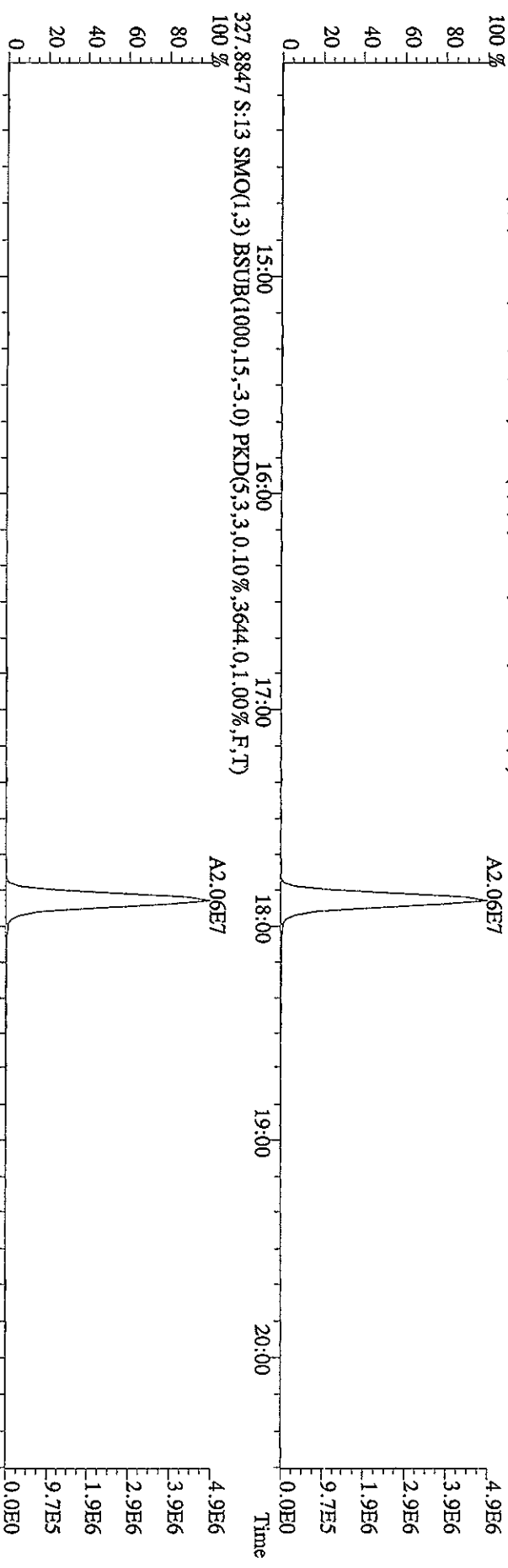
File:06OCT10ID5 #1-382 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES
 303.9016 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3224,0,1,00%,F,T)
 100% A2.51E7



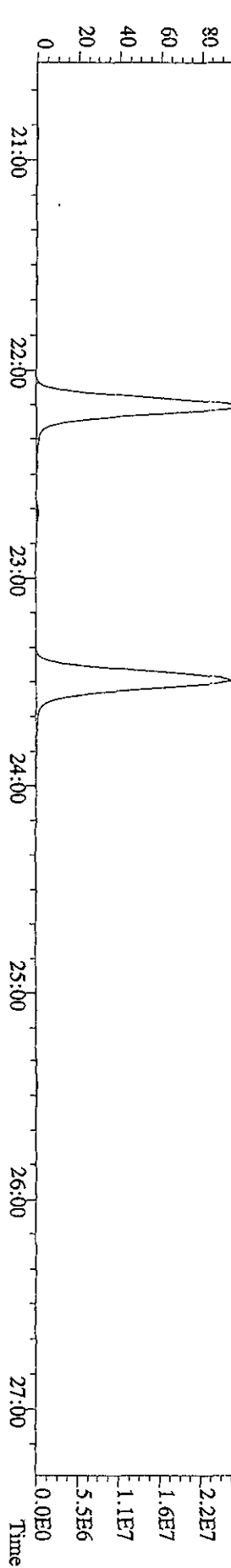
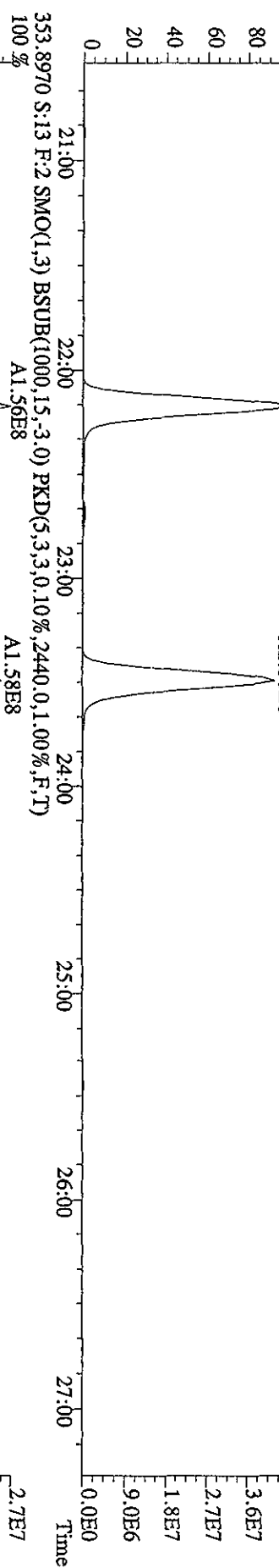
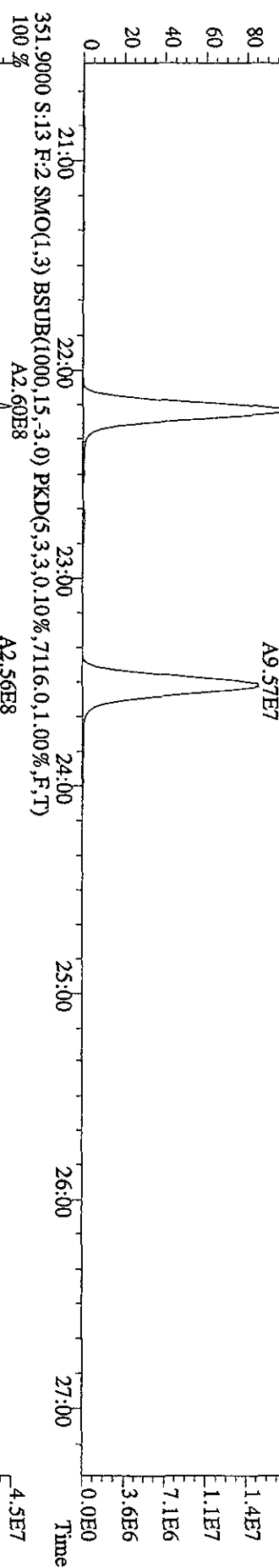
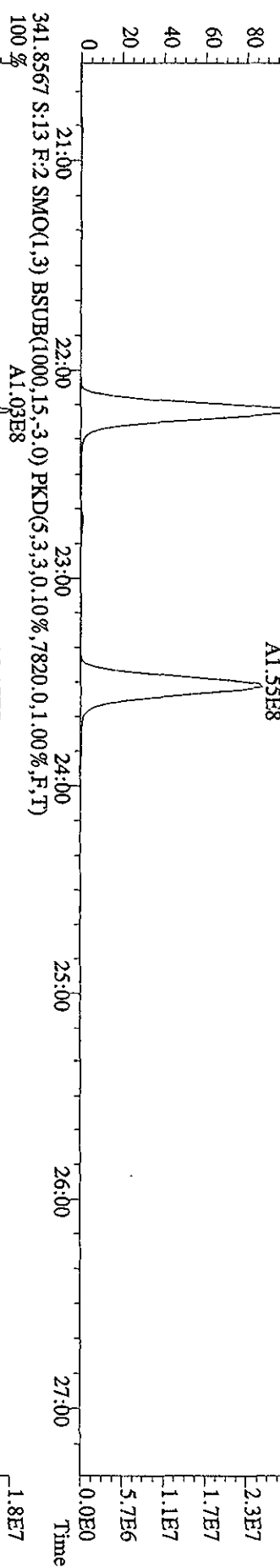
File: 060C101D5 #1-382 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE
 Sample#13 Text: ST1006A :CS3 10DXN426 Exp: DIOXINRES
 319.8965 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4464,0,1,00%,F,T)
 100%



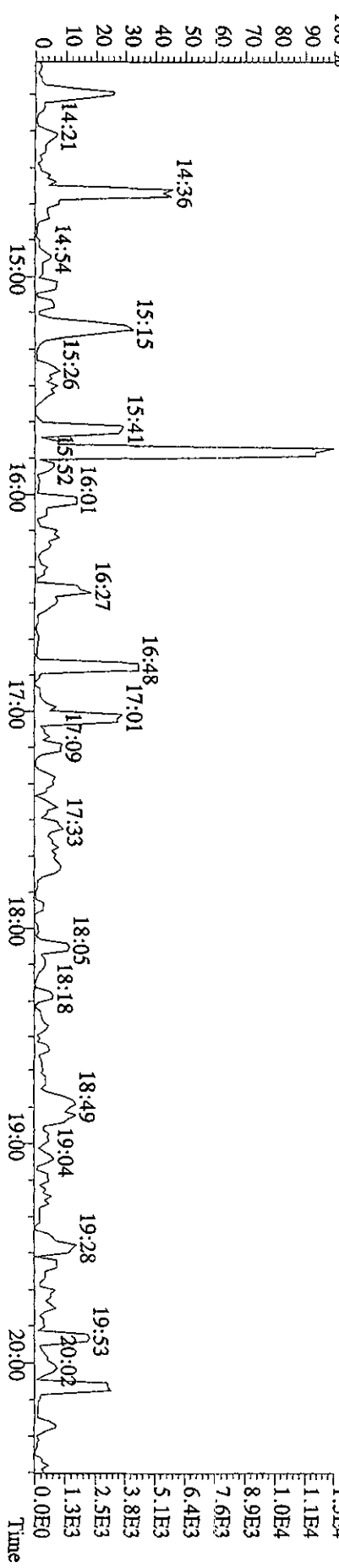
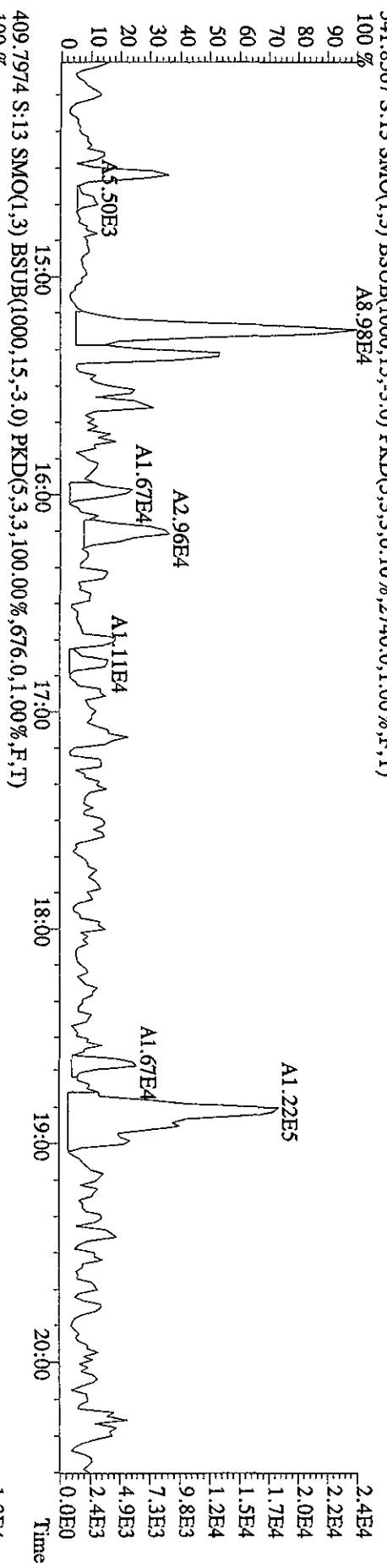
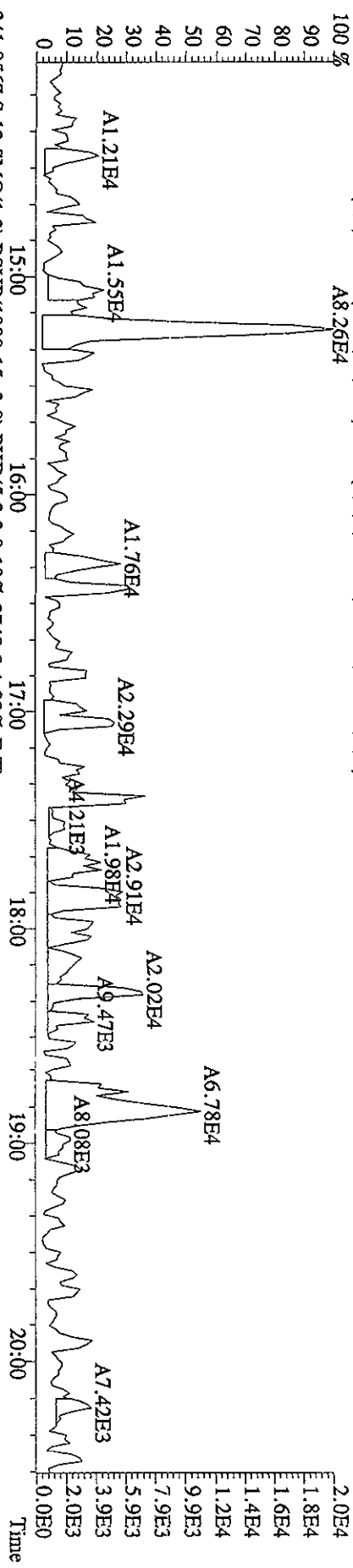
File:06OC101D5 #1-382 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES
 327.8847 S:13 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3644,0.1,00%,F,T) 100%



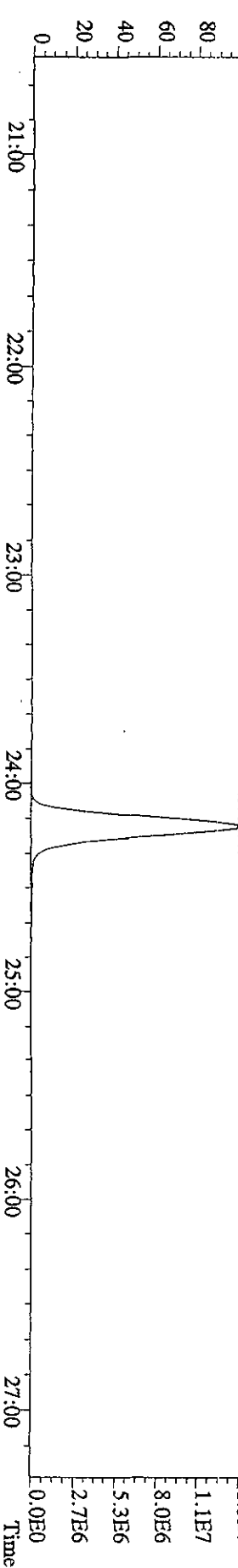
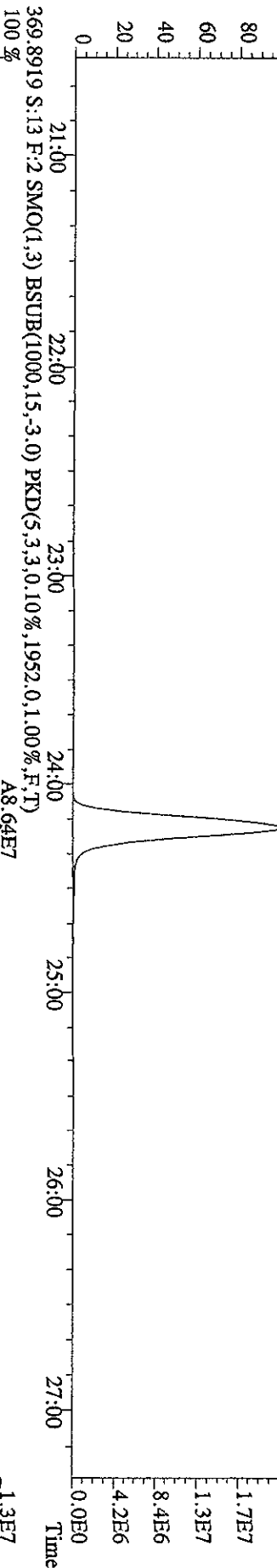
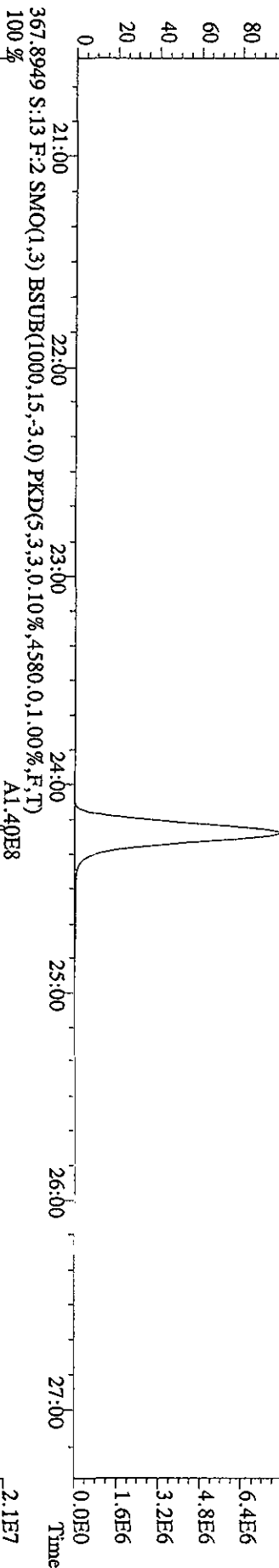
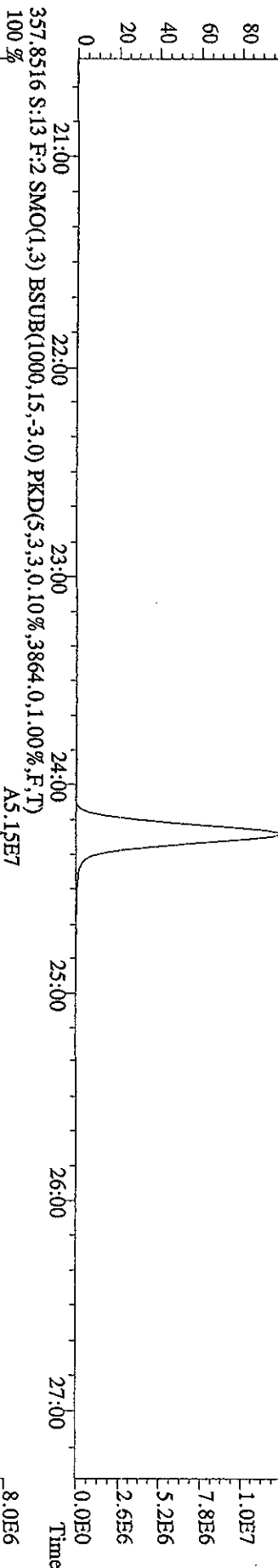
File:06OCT10ID5 #1-423 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage S1R 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES
 339.8597 S:13 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8016,0,1,00%,F,T)
 100 % A1.65E8



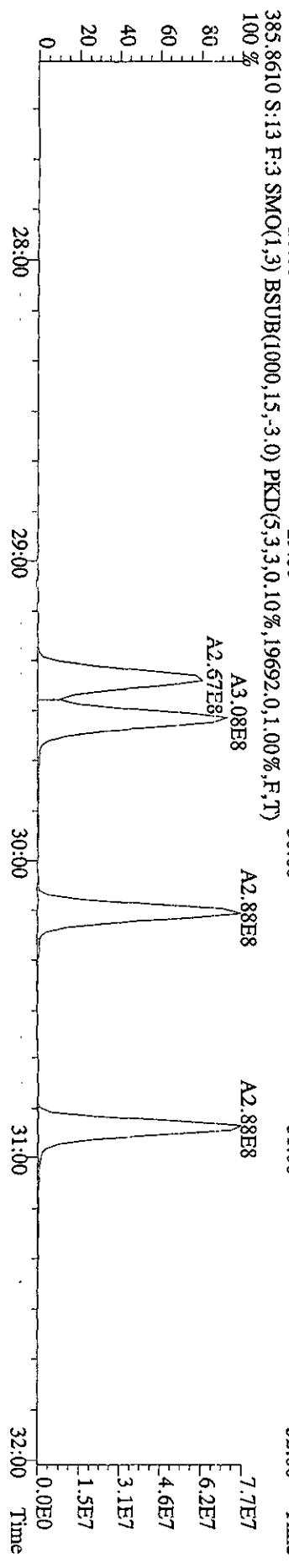
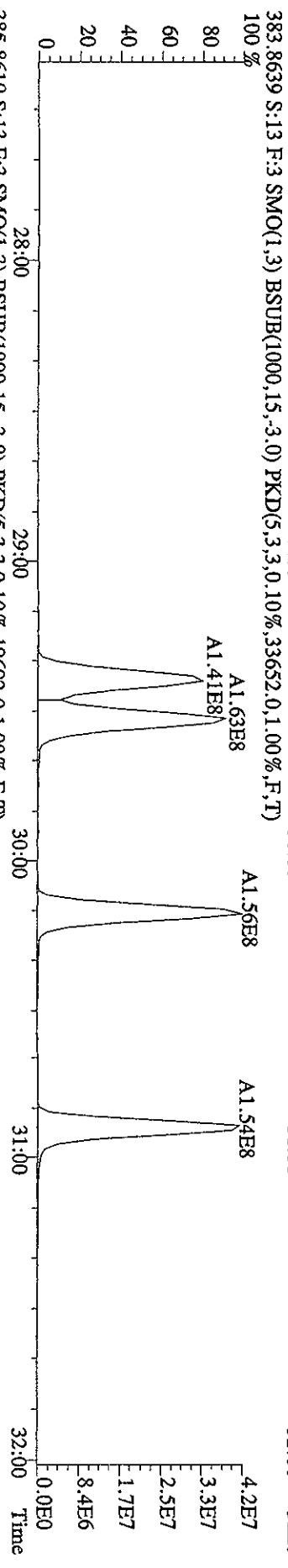
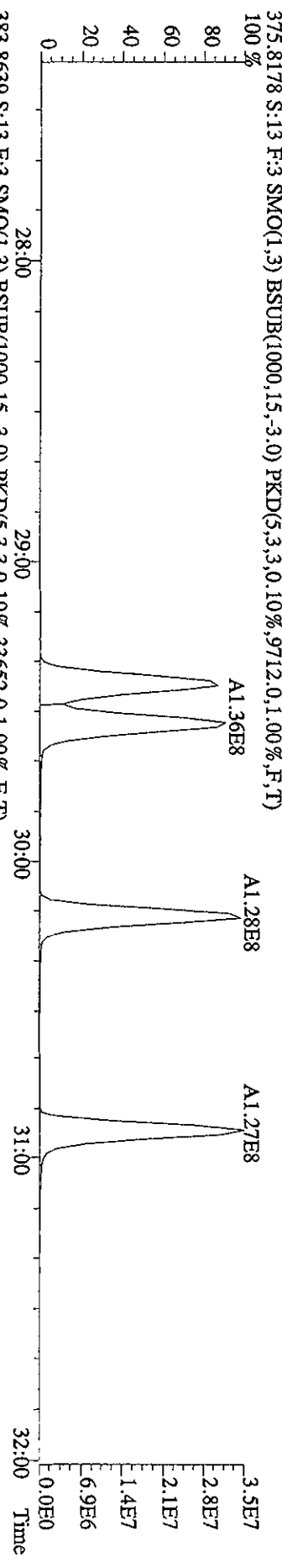
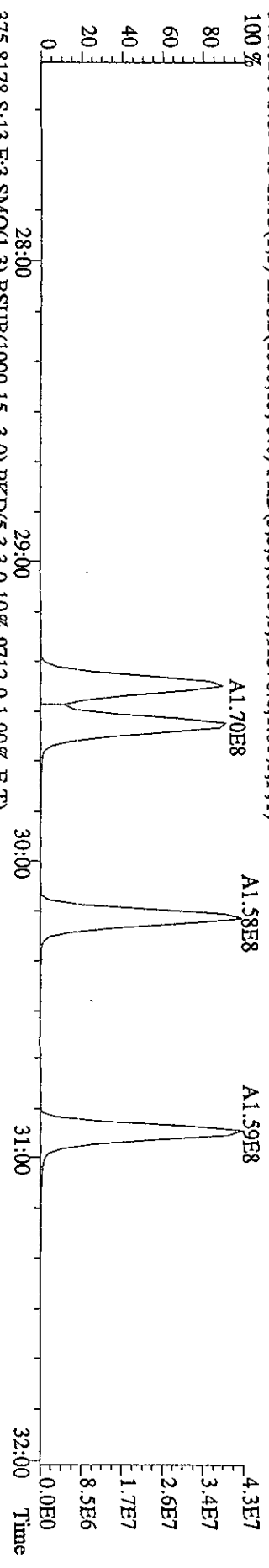
File:060C101D5 #1-382 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES
 339.8597 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.604,0.1,1.00%,F,T)
 100%



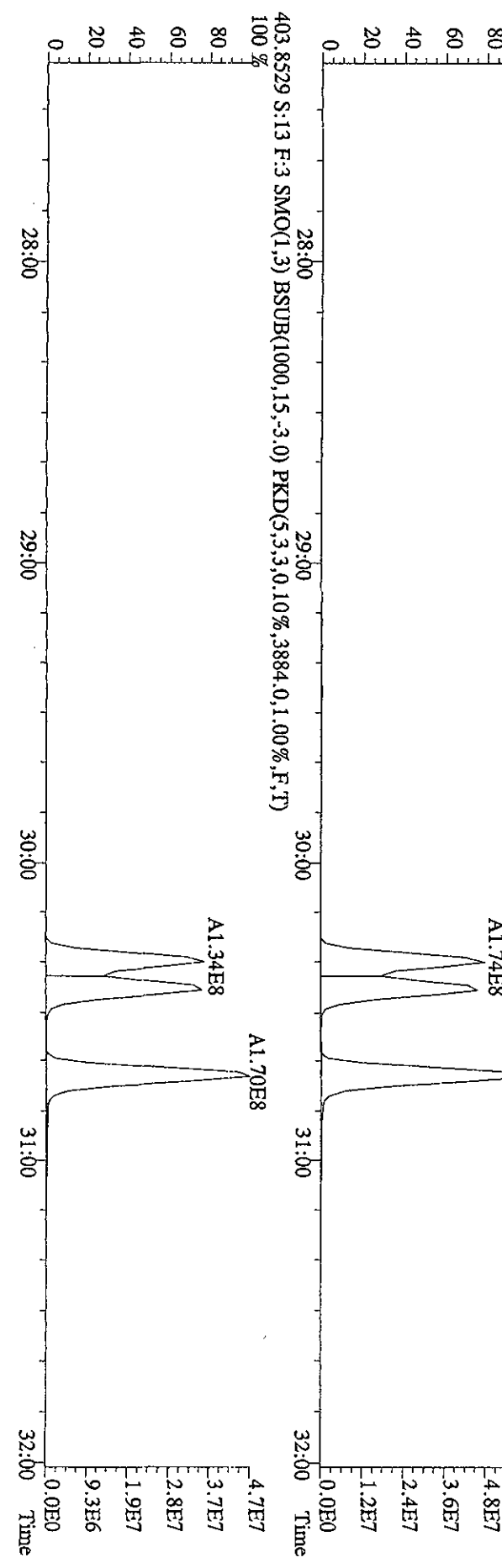
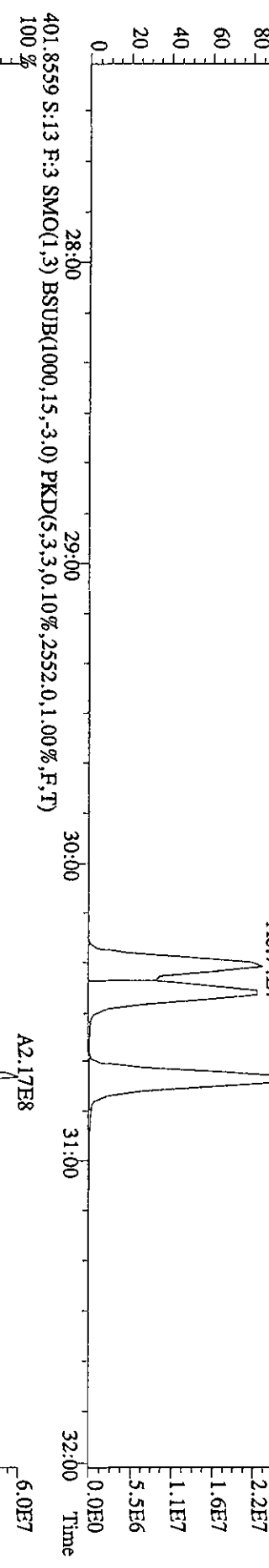
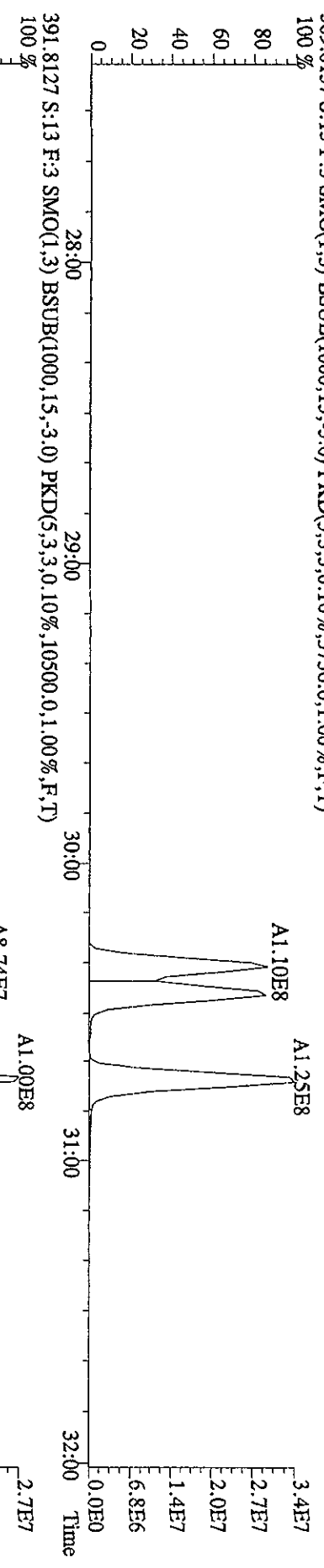
File:060C101D5 #1-423 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES
 357.8516 S:13 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3864,0.1,00%,F,T)
 100% A8.41E7



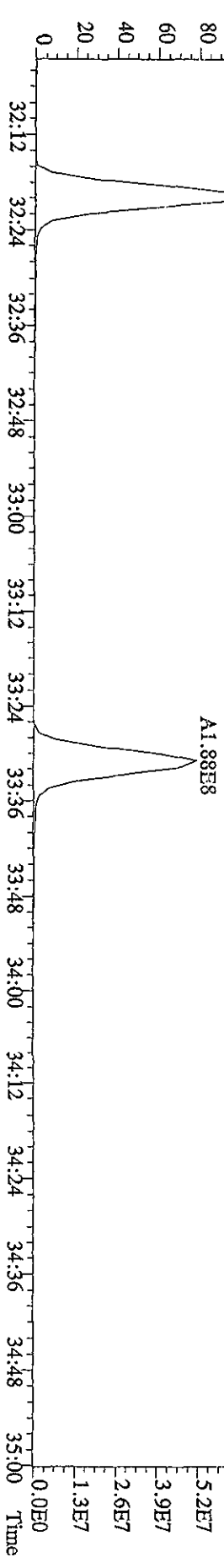
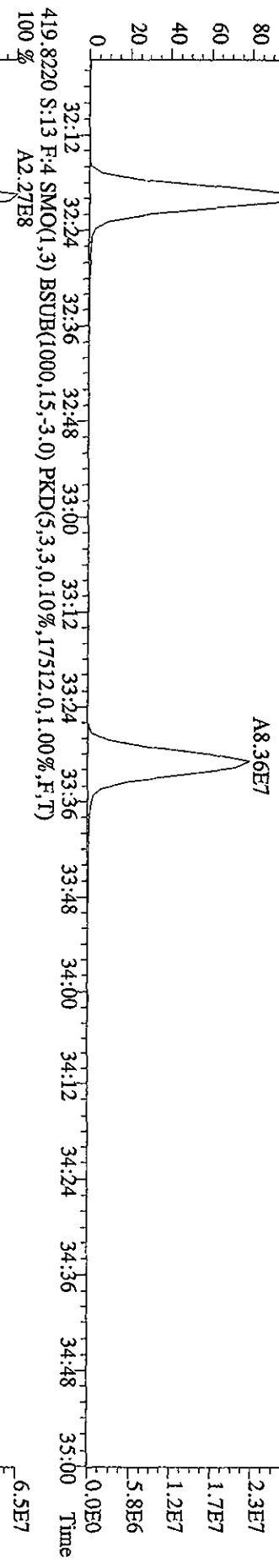
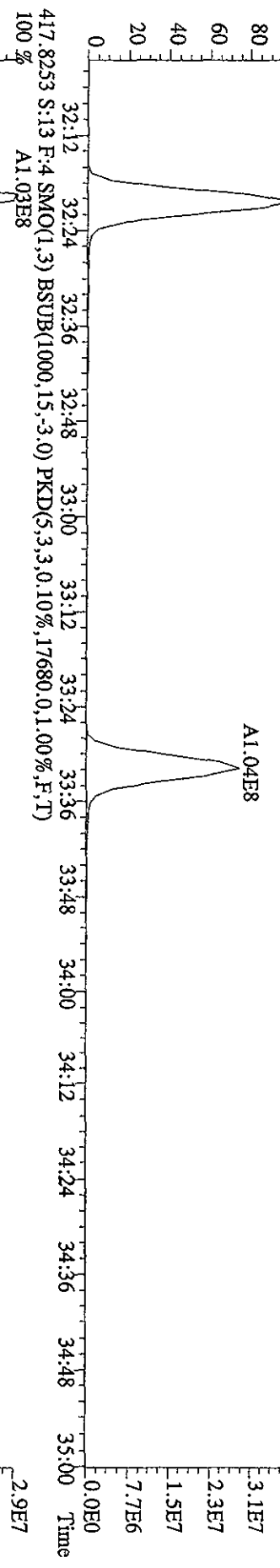
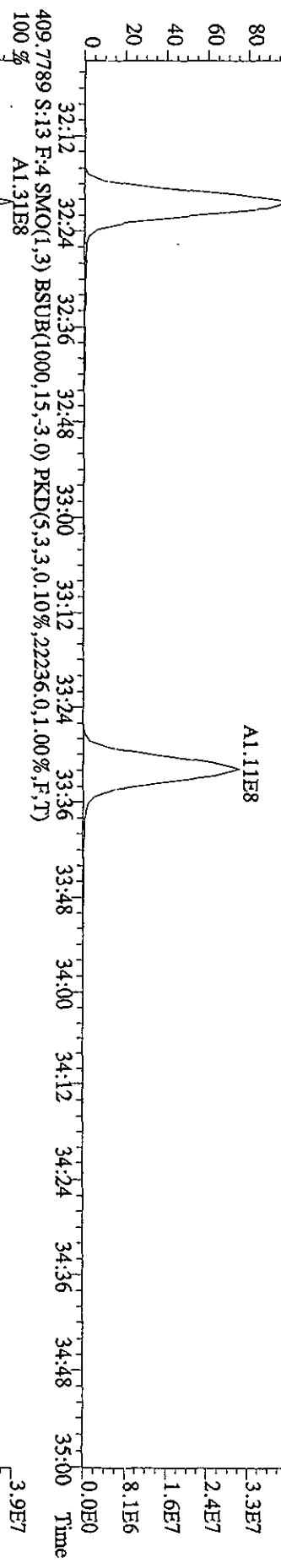
File:060C101D5 #1-301 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES
 373.8208 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,11376.0,1.00%,F,T)
 100%



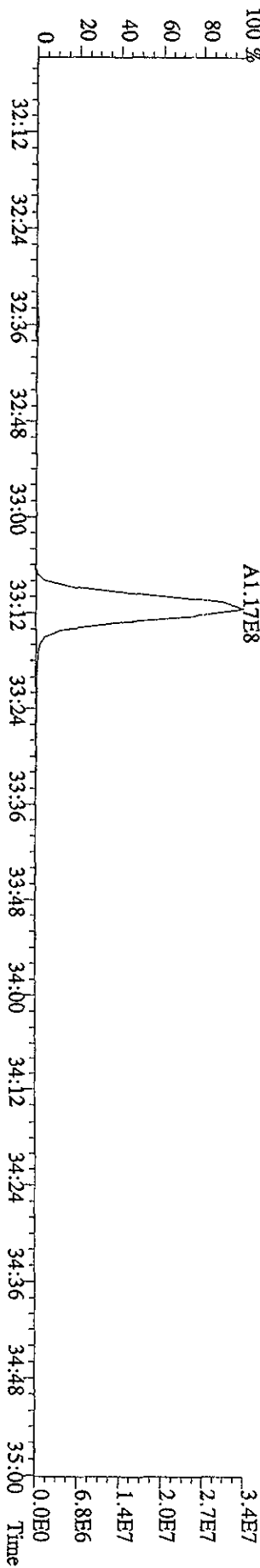
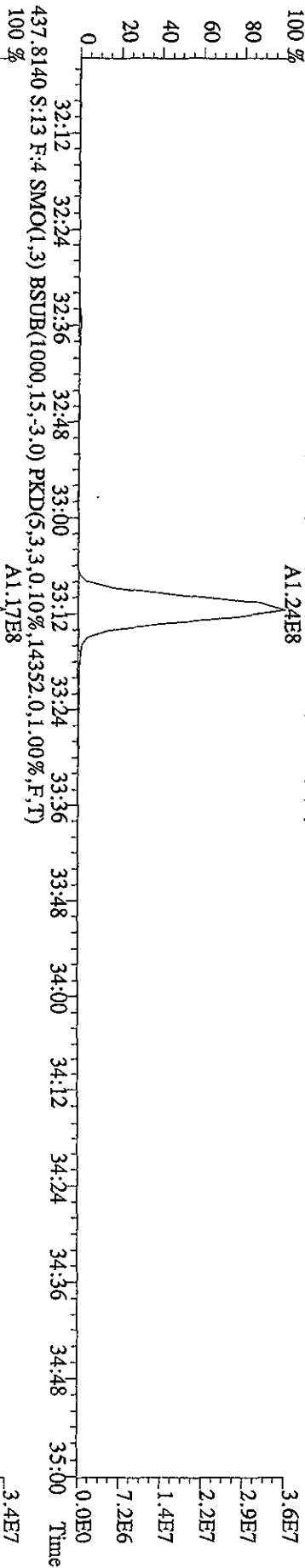
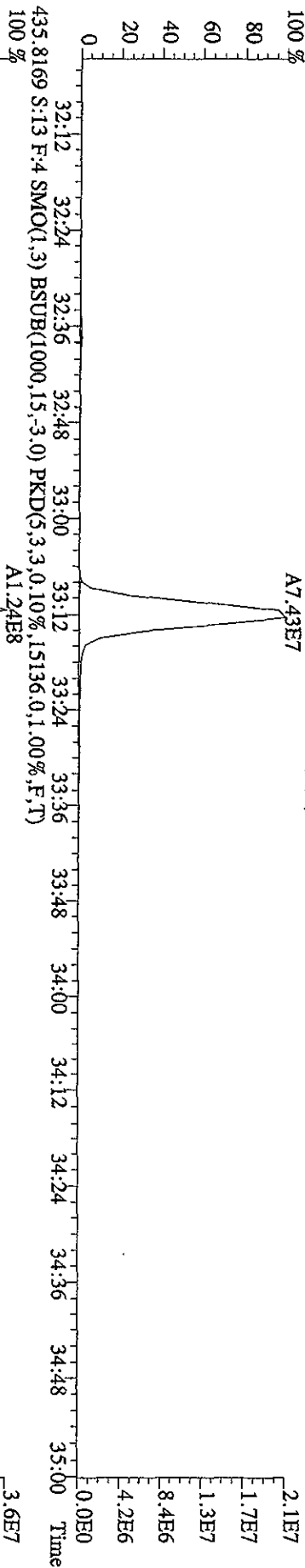
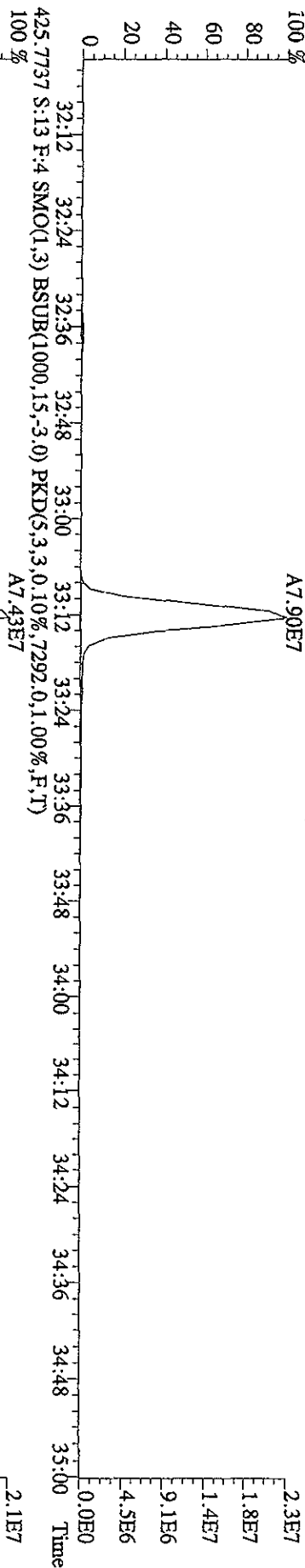
File:06OC101D5 #1-301 Acq: 6-OCT-2010 18:26:05 GC EI + Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES
 389.8157 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3736,0,1.00%,F,T)



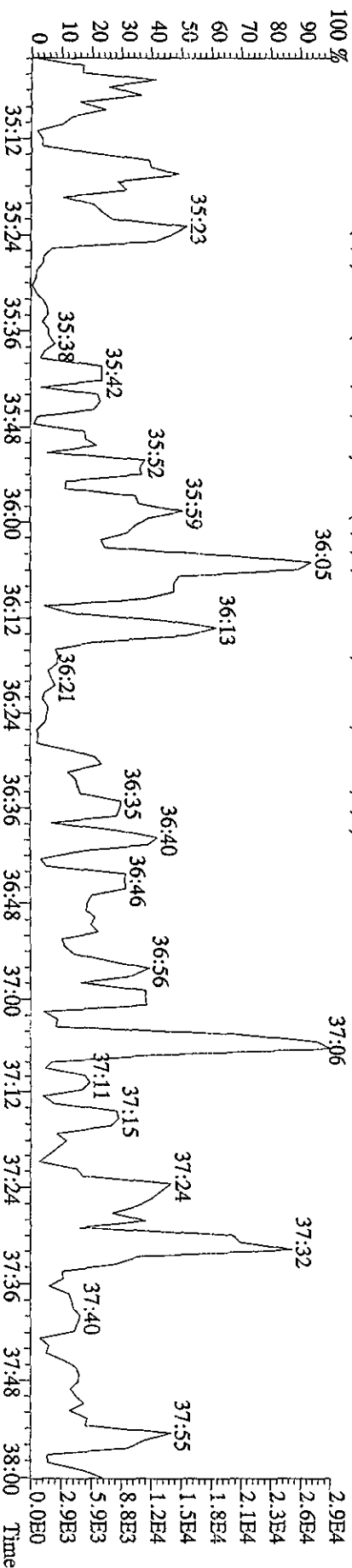
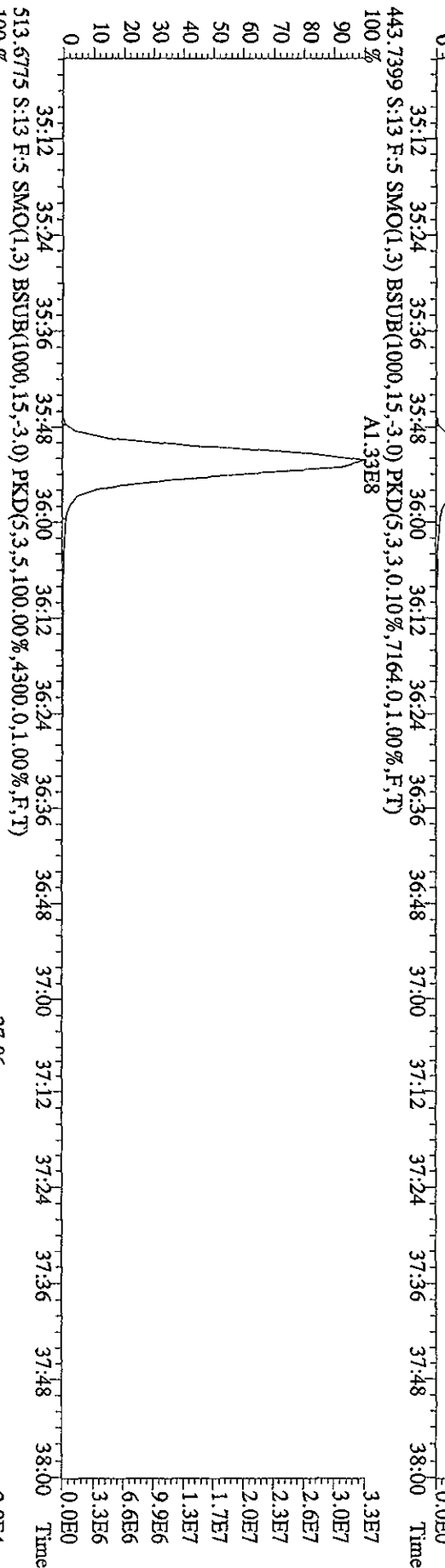
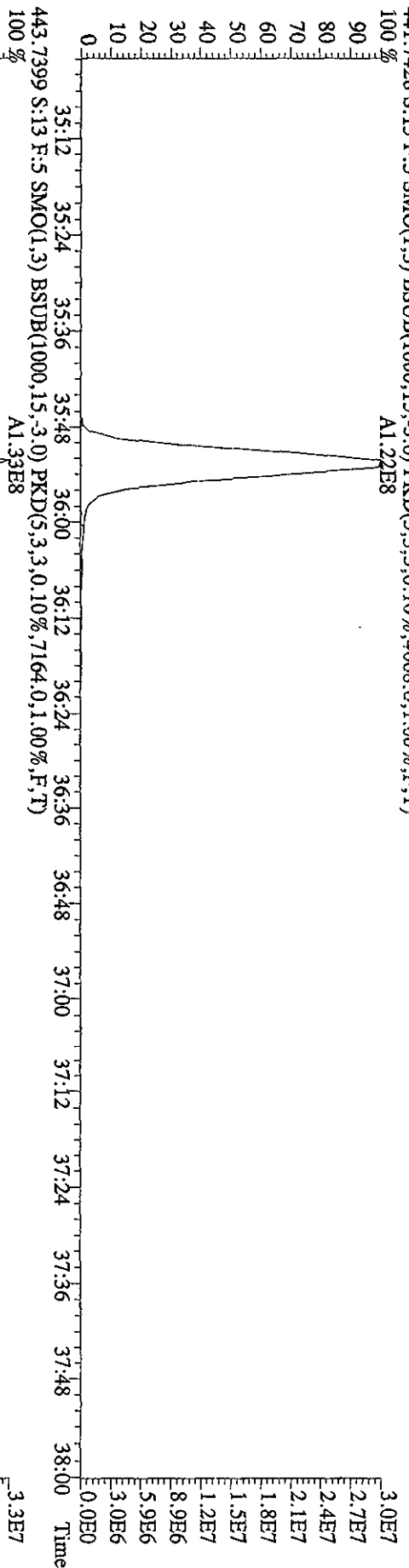
File:06OC101D5 #1-202 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES
 407.7818 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21732.0,1.00%,F,T)
 100 % A1.39E8



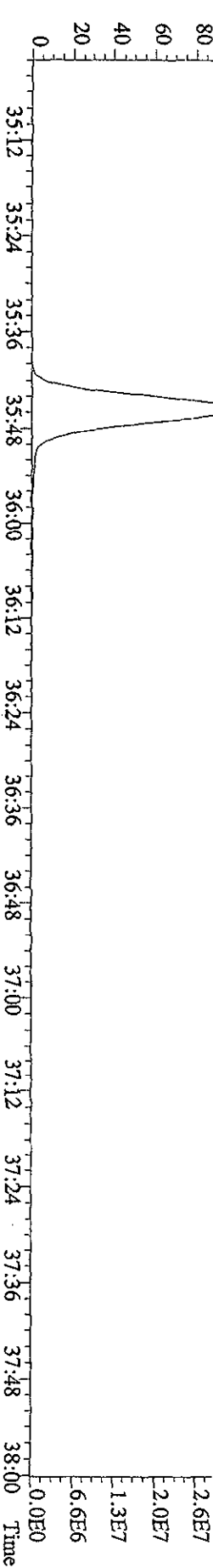
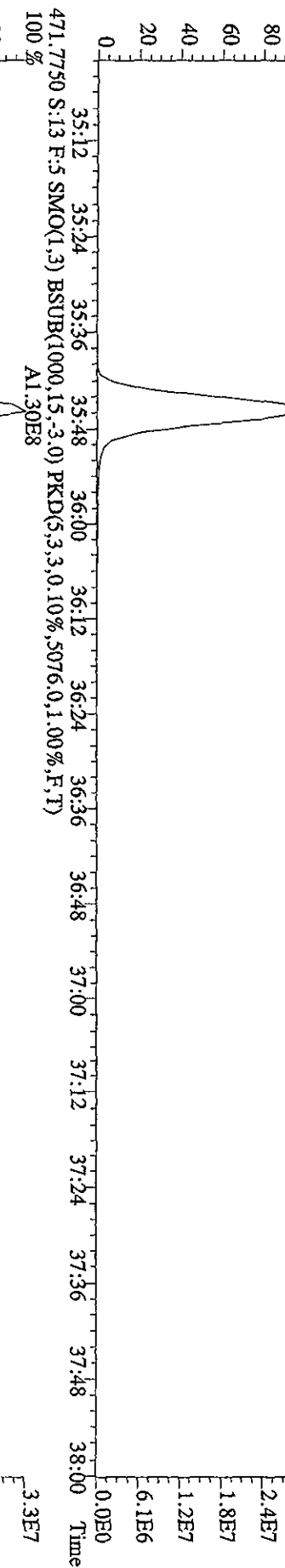
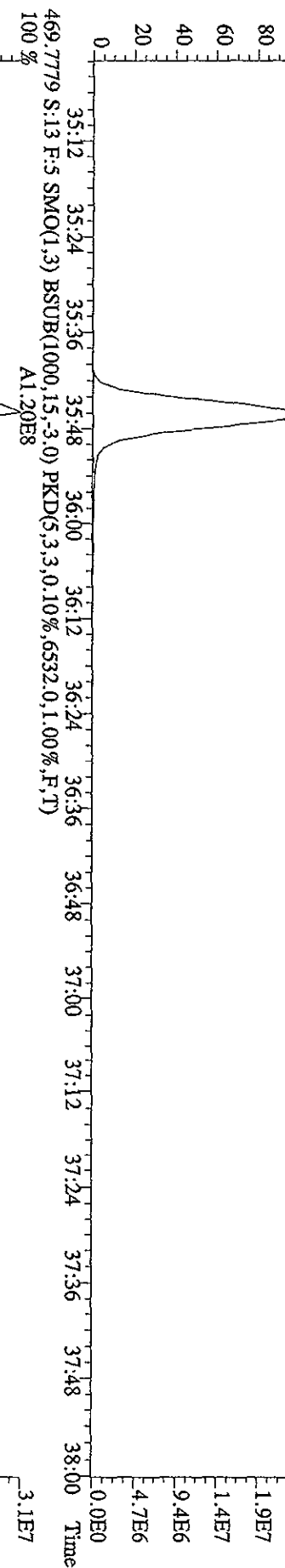
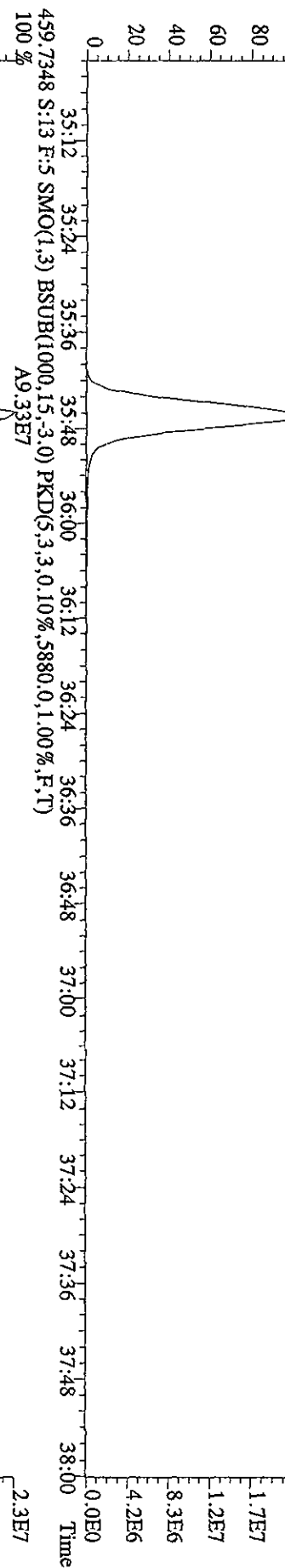
File:060C101D5 #1-202 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES
 423.7766 S:13 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10380,0.1,00%,F,T)
 100 % A7.90E7



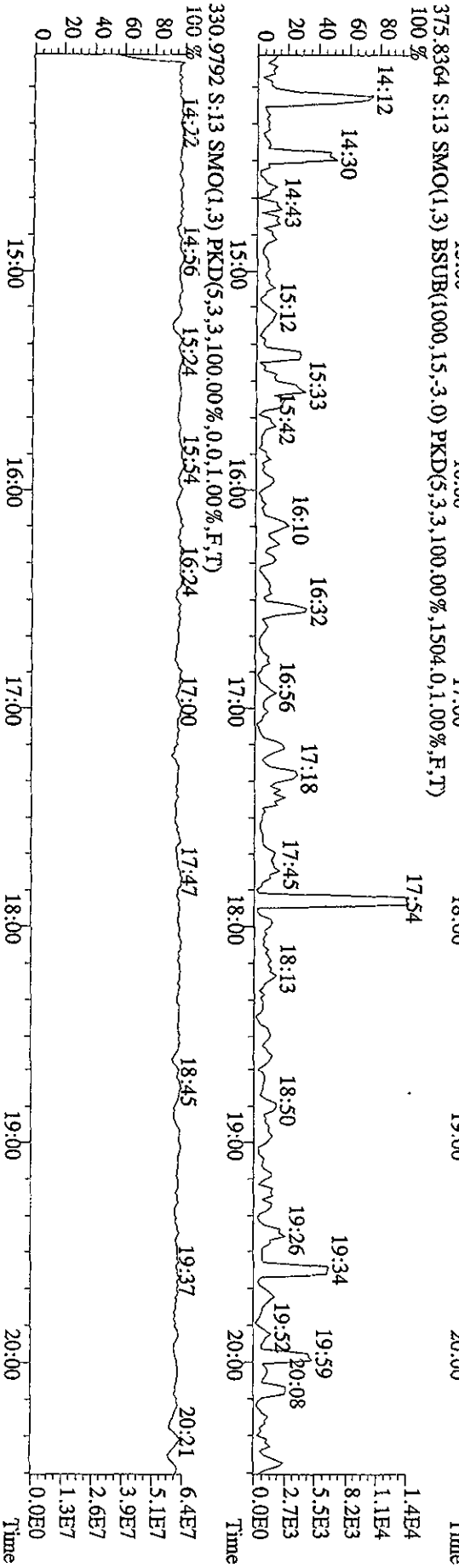
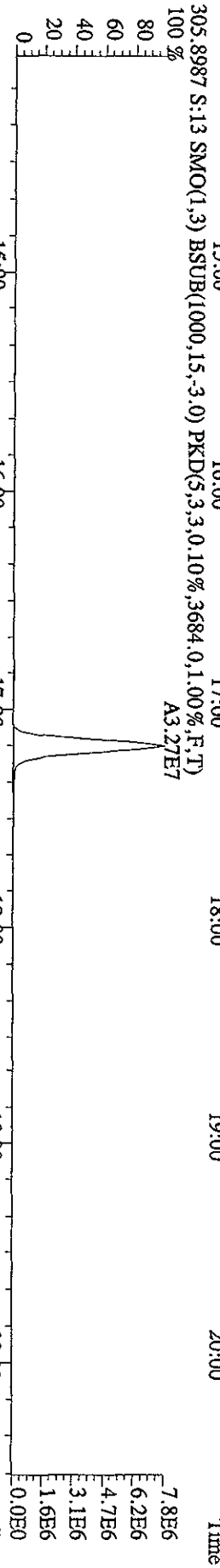
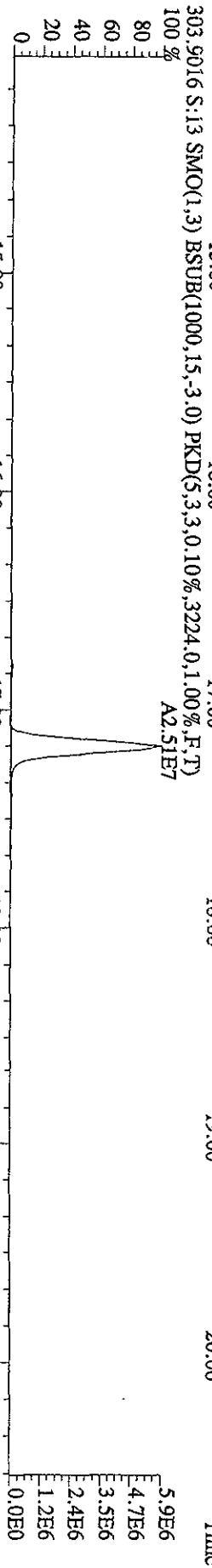
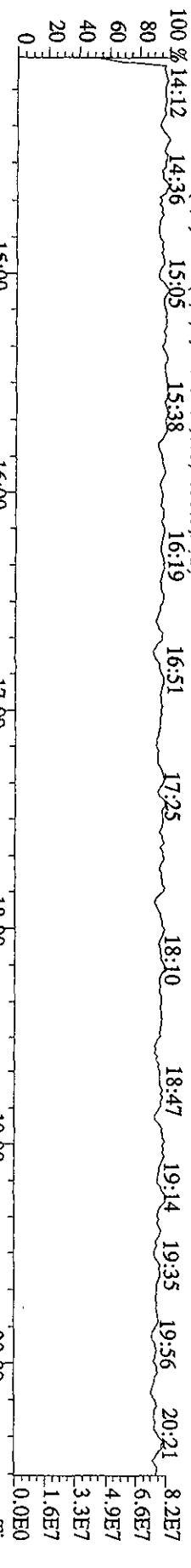
File:06OC101D5 #1-196 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES
 441.7428 S:13 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4668,0,1.00%,F,T)
 A1.22E8



File:060C101D5 #1-196 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES
 457.7377 S:13 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5124.0,1.00%,F,T)
 100 % A8.42E7



File: 06OC101D5 #1-382 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp: DIOXINRES



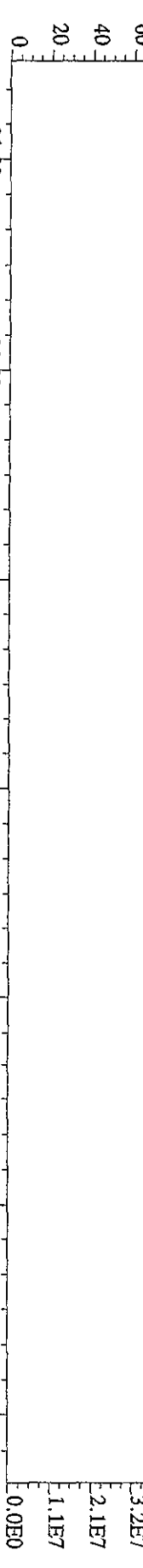
File:06OC101D5 #1-423 Acq: 6-OCT-2010 18:26:05 GC EI+ Voltage SIR 70SE

Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES

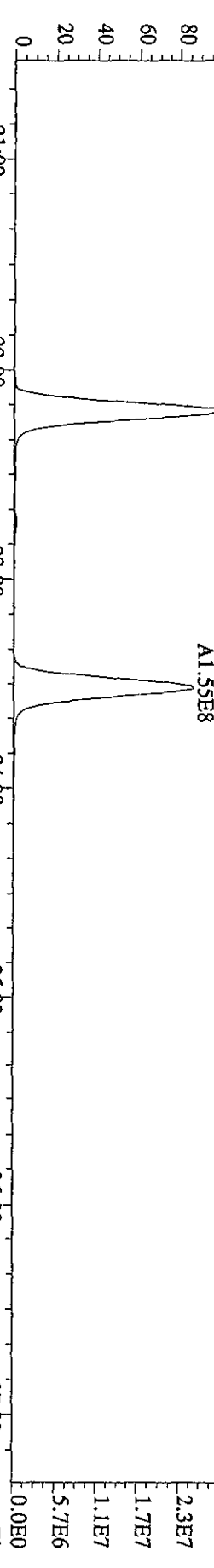
342.9792 S:1.3 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100% 20:49 21:19 21:46 22:21 22:58 23:25 23:46

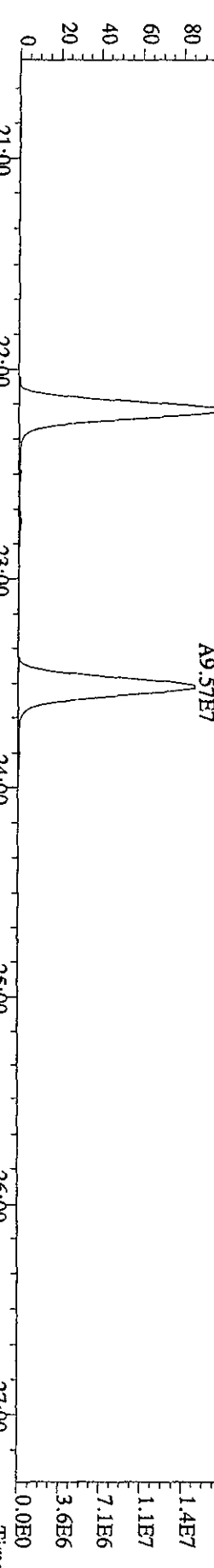
24:18 24:47 25:15 25:48 26:32 27:07



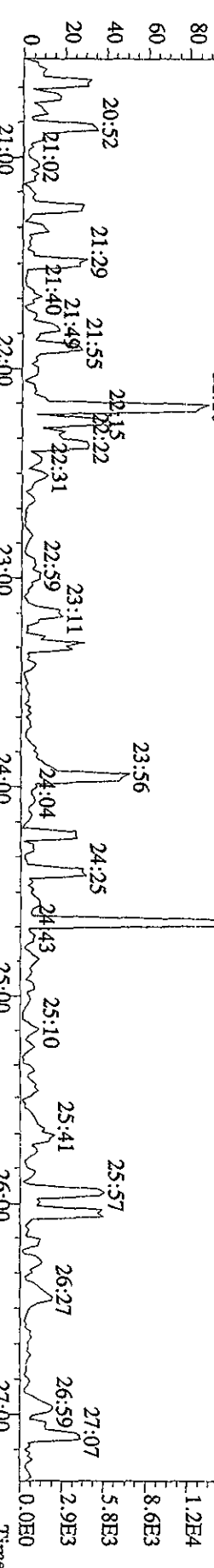
339.8597 S:1.3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,8016,0.1,00%,F,T)



341.8567 S:1.3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,7820,0.1,00%,F,T)



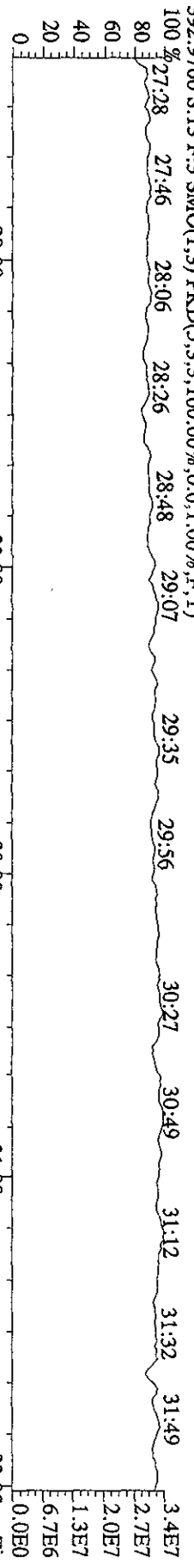
409.7974 S:1.3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,944,0.1,00%,F,T)



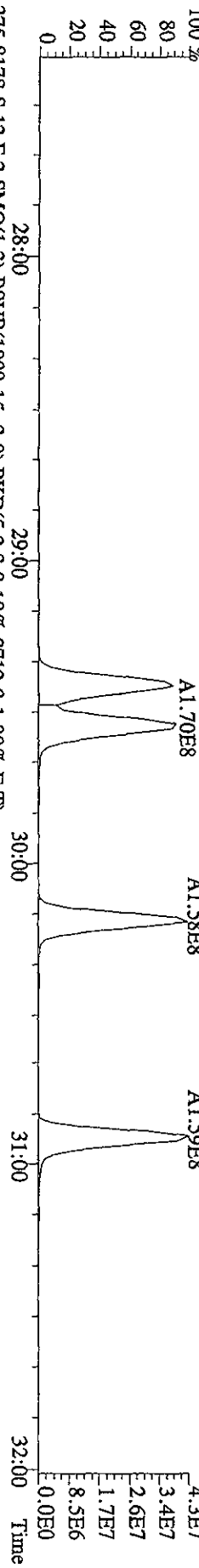
File:06OCT101D5 #1-301 Acq: 6-OCT-2010 18:26:05 GC EI + Voltage SIR 70SE

Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES

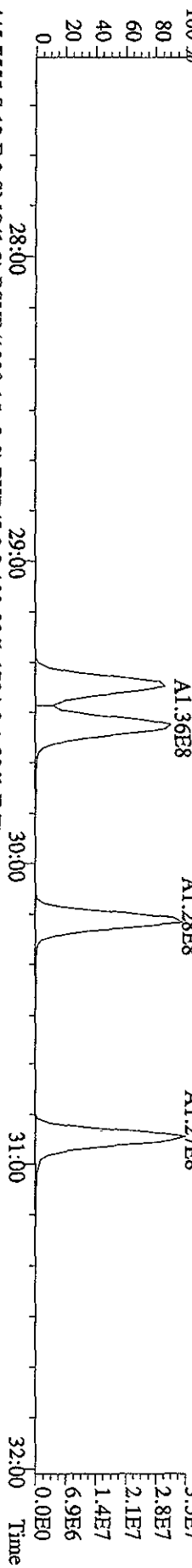
392.9760 S:13 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



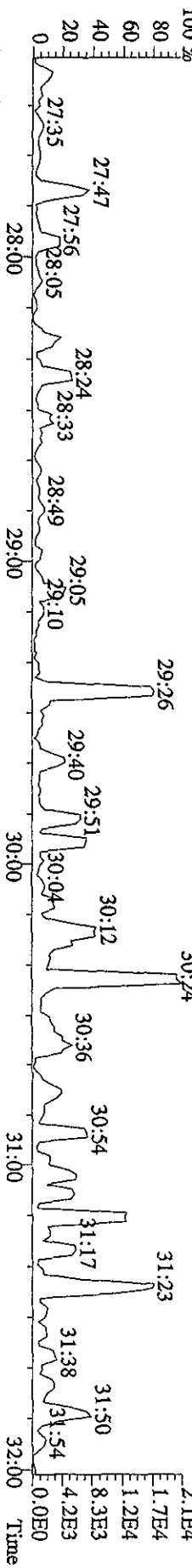
373.8208 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11376.0,1.00%,F,T)



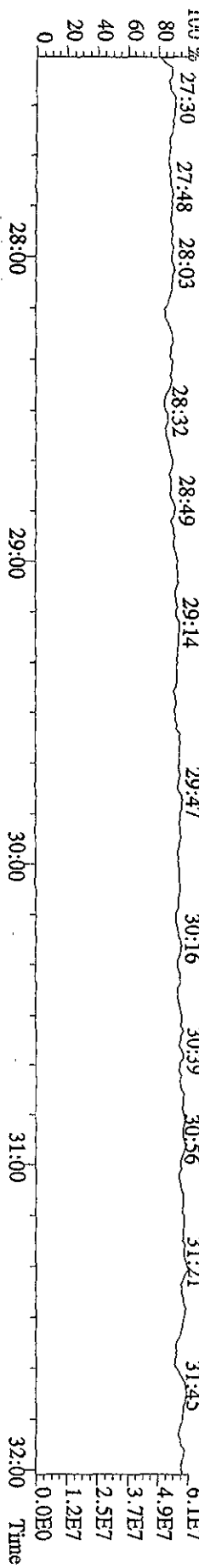
375.8178 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9712.0,1.00%,F,T)



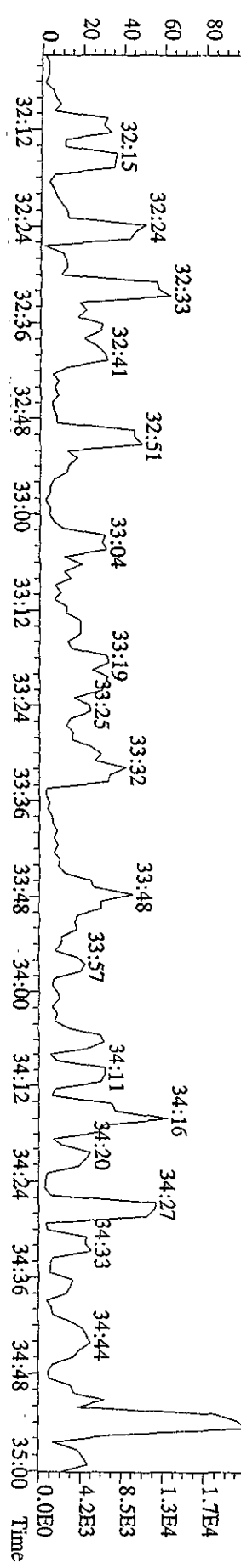
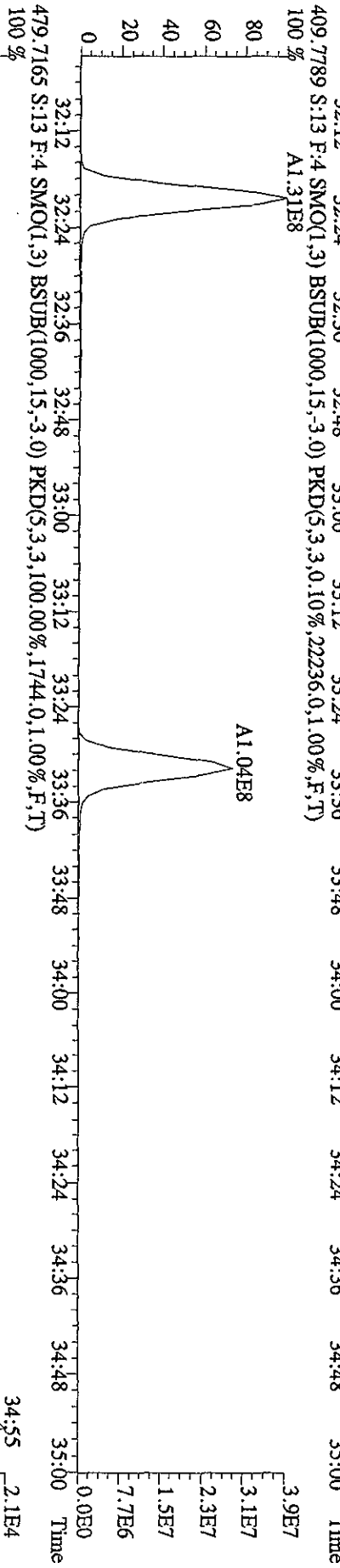
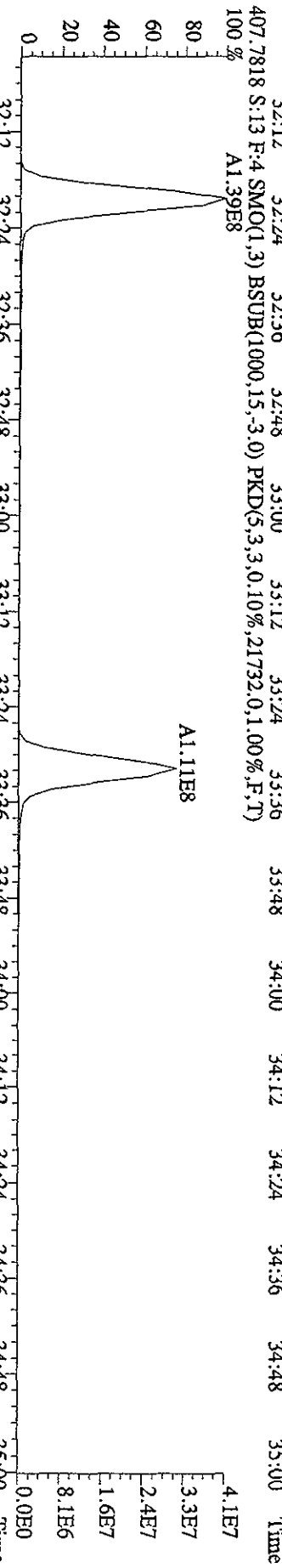
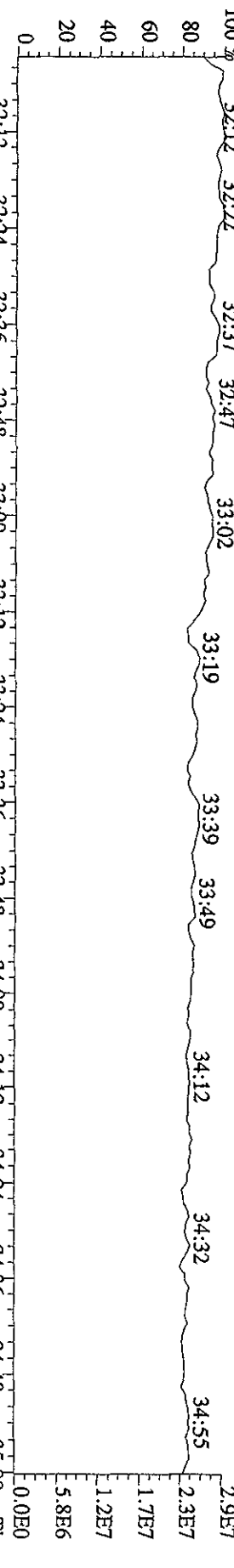
445.7555 S:13 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1784.0,1.00%,F,T)



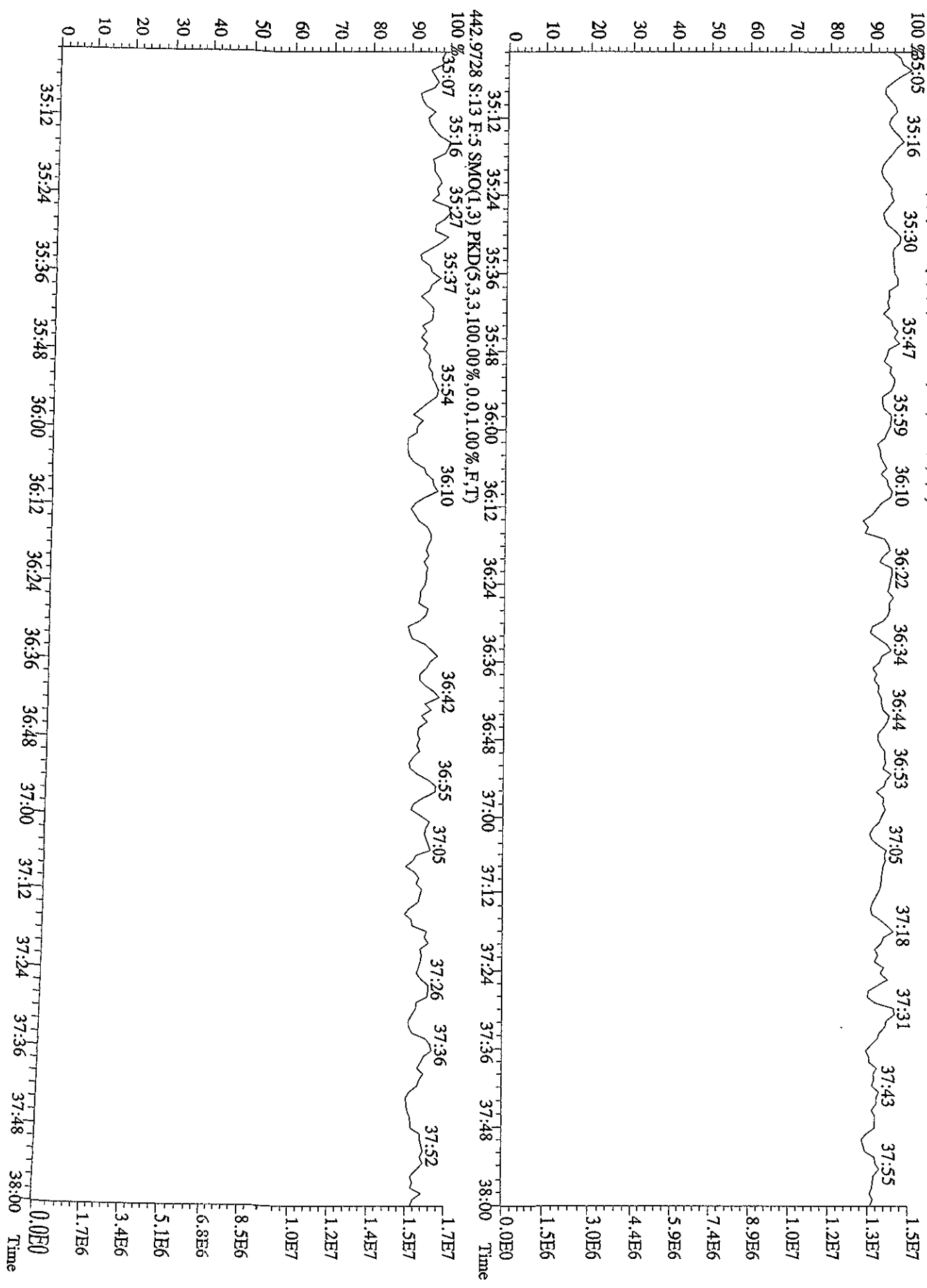
380.9760 S:13 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:06OC101D5 #1-202 Acq: 6-OCT-2010 18:26:05 GC EI + Voltage SIR 70SE
 Sample#13 Text:ST1006A :CS3 10DXN426 Exp:DIOXINRES



File: 06OC101D5 #1-196 Acq: 6-OCT-2010 18:26:05 GC EI + Voltage SIR 70SE
Sample#13 Text: ST1006A : CS3 10DXN426 Exp: DIOXINRES
454.9728 S:13 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
100 % 5:05 35:16 35:30 35:47 35:59 36:10 36:22 36:34 36:44 36:53 37:05 37:18 37:31 37:43 37:55



Method ID TO9/AIR

Associated ICAL TO9091410105

Column ID DB-5

Instrument ID 105

STD ID ST1007A, ST007B

STD Solution 10DXN426

Analyzed by MG

Date Analyzed 10-07-10

Std. Pkg. By NK

Date Std. Pkg. Assembled 10-08-10

Std. Pkg. Reviewed By M.G.

Date Std. Pkg. Reviewed 10/9/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	N	✓
CPSM valley ≤ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for all 1613B samples)	NA	NA

COMMENTS: _____

* Method 8290/TO9/M0023A: (beginning) ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
 Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
 Method 23: See Method 23 Daily Standard Criteria, Table 5.
 Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
 ** Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
 Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST1007A File text: ST1007A :CS3 10DXN426
 Run #6 Filename 07OC101D5 S: 15 I: 1
 Acquired: 7-OCT-10 21:47:23 Processed: 8-OCT-10 00:03:47
 Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 07OC101D5TO9

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	287092000	0.82 y	17:49	-	100.00	-	n
13C-2,3,7,8-TCDF	432097000	0.79 y	17:19	1.51	100.00	-3.7	n
2,3,7,8-TCDF	39733600	0.74 y	17:20	0.92	10.00	-6.5	n
Total TCDF	40278131	0.70 y	16:57	0.92	10.00	-6.5	n
13C-2,3,7,8-TCDD	281271000	0.79 y	18:00	0.98	100.00	6.4	n
2,3,7,8-TCDD	28729900	0.77 y	18:01	1.02	10.00	-1.0	n
Total TCDD	29128375	0.93 n	14:21	1.02	10.00	-1.0	n
37Cl-2,3,7,8-TCDD	34057200	1.00 y	18:01	1.21	10.00	-1.3	n
13C-1,2,3,7,8-PeCDF	337571000	1.64 y	22:20	1.18	100.00	11.7	n
1,2,3,7,8-PeCDF	194645300	1.59 y	22:22	1.15	50.00	5.6	n
2,3,4,7,8-PeCDF	180668900	1.57 y	23:41	1.07	50.00	5.2	n
Total F2 PeCDF	378918212	1.50 y	21:00	1.11	100.00	5.4	n
Total F1 PeCDF	283899	0.42 n	15:21	1.11	100.00	5.4	n
13C-1,2,3,7,8-PeCDD	200268100	1.60 y	24:23	0.70	100.00	24.4	n
1,2,3,7,8-PeCDD	108453700	1.68 y	24:25	1.08	50.00	1.2	n
Total PeCDD	109038758	2.45 n	24:03	1.08	50.00	1.2	n
13C-1,2,3,7,8,9-HxCDD	231234000	1.27 y	30:47	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	249157500	0.50 y	29:30	1.08	100.00	8.7	n
1,2,3,4,7,8-HxCDF	151378800	1.29 y	29:31	1.22	50.00	-3.6	n
1,2,3,6,7,8-HxCDF	157260400	1.26 y	29:38	1.26	50.00	-17.6	n
2,3,4,6,7,8-HxCDF	153888200	1.26 y	30:17	1.24	50.00	-12.2	n
1,2,3,7,8,9-HxCDF	144135100	1.24 y	30:59	1.16	50.00	-17.1	n
Total HxCDF	606662500	1.29 y	29:31	1.22	200.00	-13.0	n
13C-1,2,3,6,7,8-HxCDD	199013700	1.30 y	30:30	0.86	100.00	16.4	n
1,2,3,4,7,8-HxCDD	112171800	1.28 y	30:25	1.13	50.00	0.7	n
1,2,3,6,7,8-HxCDD	117370200	1.31 y	30:31	1.18	50.00	3.4	n
1,2,3,7,8,9-HxCDD	123332400	1.22 y	30:48	1.24	50.00	-8.4	n
Total HxCDD	352874400	1.28 y	30:25	1.18	150.00	-1.9	n
13C-1,2,3,4,6,7,8-HpCDF	197749300	0.43 y	32:24	0.86	100.00	-10.6	n
1,2,3,4,6,7,8-HpCDF	144584100	1.02 y	32:25	1.46	50.00	3.8	n
1,2,3,4,7,8,9-HpCDF	113821100	1.03 y	33:36	1.15	50.00	-6.8	n
Total HpCDF	259152056	1.02 y	32:25	1.31	100.00	-1.2	n
13C-1,2,3,4,6,7,8-HpCDD	152157900	1.08 y	33:16	0.66	100.00	-7.6	n
1,2,3,4,6,7,8-HpCDD	91498400	1.04 y	33:16	1.20	50.00	6.0	n
Total HpCDD	91915118	1.04 y	32:41	1.20	50.00	6.0	n
13C-OCDD	146600300	0.96 y	35:51	0.32	200.00	-10.1	n
OCDF	159618900	0.92 y	35:58	2.18	100.00	2.8	n
OCDD	111632600	0.91 y	35:52	1.59	100.00	11.1	n

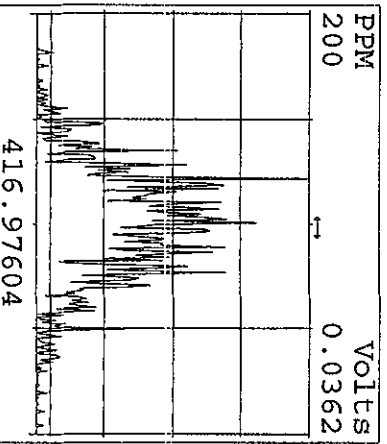
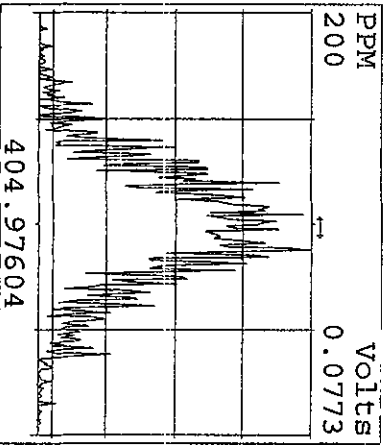
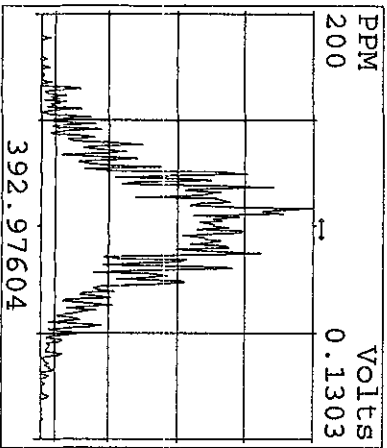
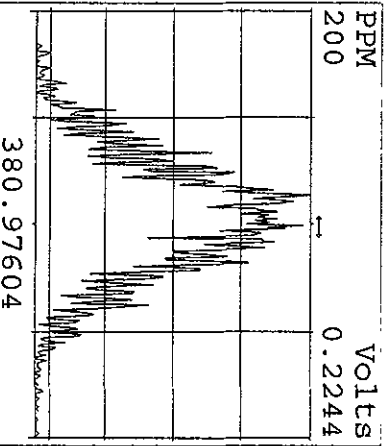
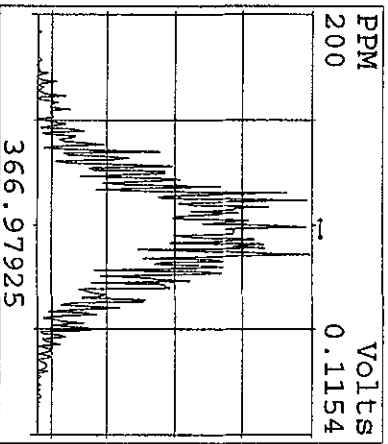
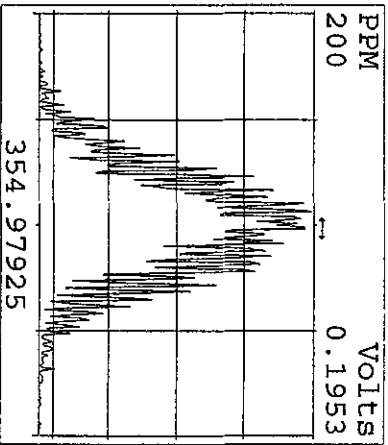
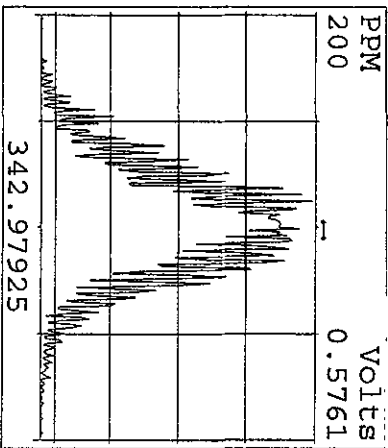
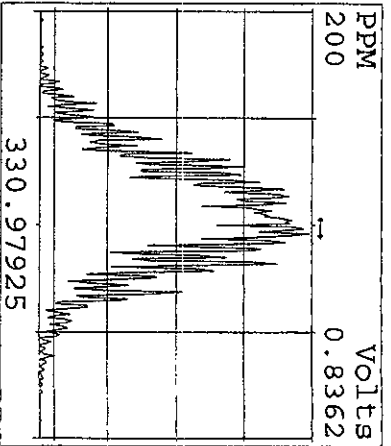
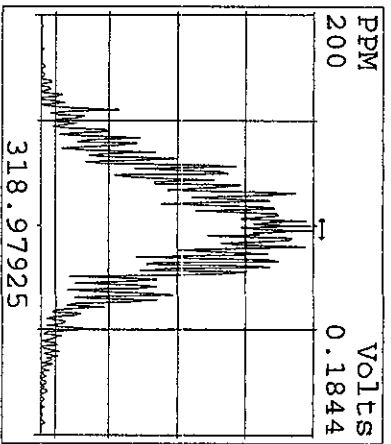
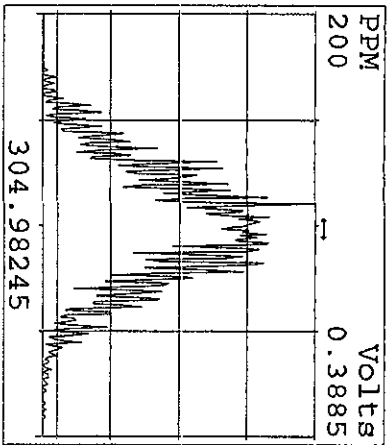
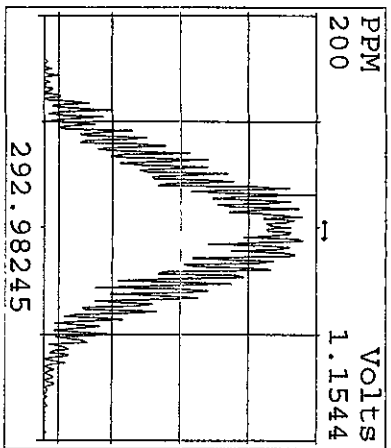
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 Run #9 Filename 07OC101D5 S: 29 I: 1
 Acquired: 8-OCT-10 07:59:26 Processed: 8-OCT-10 16:21:52
 Run: 07OC101D5 Analyte: TO9 Cal: TO90914101D5 Results: 07OC101D5TO9

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	255691000	0.81 y	17:46	-	100.00	-	n
13C-2,3,7,8-TCDF	376998000	0.79 y	17:14	1.47	100.00	-5.7	n
2,3,7,8-TCDF	34715100	0.76 y	17:15	0.92	10.00	-6.4	n
Total TCDF	34969392	1.41 n	16:53	0.92	10.00	-6.4	n
13C-2,3,7,8-TCDD	240373000	0.79 y	17:57	0.94	100.00	2.1	n
2,3,7,8-TCDD	24948600	0.77 y	17:58	1.04	10.00	0.6	n
Total TCDD	25141706	1.35 n	14:50	1.04	10.00	0.6	n
37Cl-2,3,7,8-TCDD	28777200	1.00 y	17:58	1.20	10.00	-2.4	n
13C-1,2,3,7,8-PeCDF	288160000	1.66 y	22:17	1.13	100.00	7.1	n
1,2,3,7,8-PeCDF	171928300	1.60 y	22:18	1.19	50.00	9.3	n
2,3,4,7,8-PeCDF	150457300	1.57 y	23:38	1.04	50.00	2.6	n
Total F2 PeCDF	325534802	2.02 n	20:57	1.12	100.00	6.1	n
Total F1 PeCDF	183417	0.50 n	15:19	1.12	100.00	6.1	n
13C-1,2,3,7,8-PeCDD	171569600	1.66 y	24:20	0.67	100.00	19.6	n
1,2,3,7,8-PeCDD	91889800	1.62 y	24:21	1.07	50.00	0.1	n
Total PeCDD	91889800	1.62 y	24:21	1.07	50.00	0.1	n
13C-1,2,3,7,8,9-HxCDD	222625600	1.28 y	30:46	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	224316200	0.48 y	29:28	1.01	100.00	1.7	n
1,2,3,4,7,8-HxCDF	139716900	1.23 y	29:29	1.25	50.00	-1.2	n
1,2,3,6,7,8-HxCDF	150957800	1.25 y	29:36	1.35	50.00	-12.1	n
2,3,4,6,7,8-HxCDF	148713100	1.25 y	30:14	1.33	50.00	-5.8	n
1,2,3,7,8,9-HxCDF	146565800	1.28 y	30:57	1.31	50.00	-6.4	n
Total HxCDF	585953600	1.23 y	29:29	1.31	200.00	-6.6	n
13C-1,2,3,6,7,8-HxCDD	187223100	1.30 y	30:28	0.84	100.00	13.7	n
1,2,3,4,7,8-HxCDD	100312400	1.18 y	30:24	1.07	50.00	-4.3	n
1,2,3,6,7,8-HxCDD	101707200	1.32 y	30:29	1.09	50.00	-4.8	n
1,2,3,7,8,9-HxCDD	116509900	1.29 y	30:47	1.24	50.00	-8.1	n
Total HxCDD	318529500	1.18 y	30:24	1.13	150.00	-5.9	n
13C-1,2,3,4,6,7,8-HpCDF	181980200	0.45 y	32:23	0.82	100.00	-14.5	n
1,2,3,4,6,7,8-HpCDF	143652300	1.04 y	32:23	1.58	50.00	12.1	n
1,2,3,4,7,8,9-HpCDF	118367200	1.05 y	33:35	1.30	50.00	5.3	n
Total HpCDF	262019500	1.04 y	32:23	1.44	100.00	8.9	n
13C-1,2,3,4,6,7,8-HpCDD	145437300	1.07 y	33:14	0.65	100.00	-8.3	n
1,2,3,4,6,7,8-HpCDD	89040700	1.06 y	33:15	1.22	50.00	7.9	n
Total HpCDD	89285635	1.57 n	32:40	1.22	50.00	7.9	n
13C-OCDD	159059300	0.95 y	35:50	0.36	200.00	1.3	n
OCDF	175032100	0.92 y	35:57	2.20	100.00	3.9	n
OCDD	121772700	0.91 y	35:51	1.53	100.00	11.7	n

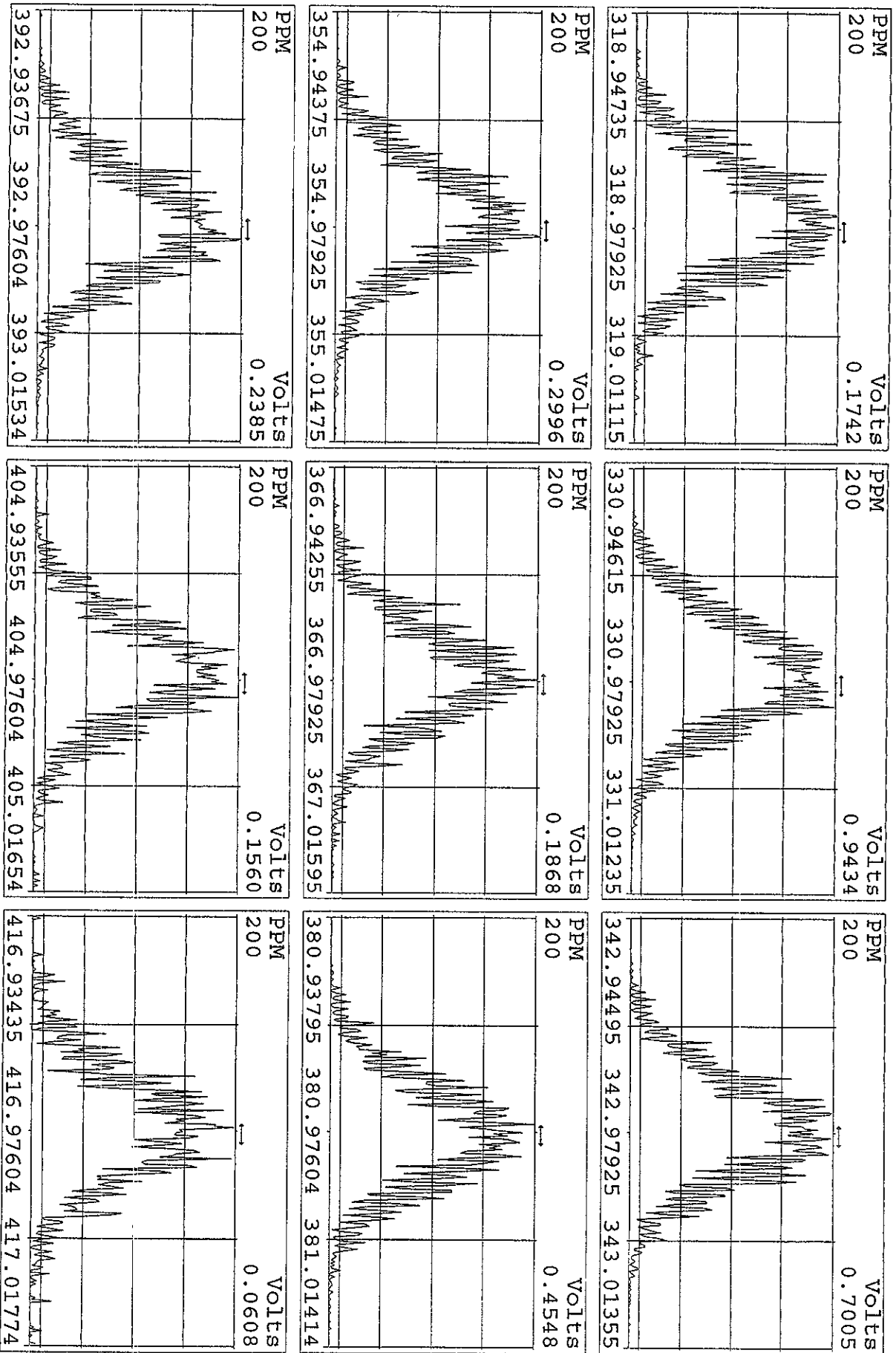
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07OC101D5	3	L7W4H-1-AA	G0J030000-51 (586-MB)	10	1613/SOILD	68	10.00000	g
07OC101D5	4	L7W4H-1-AC	G0J030000-51 (586-LCS)	10	1613/SOILD		10.00000	g
07OC101D5	5	L6596-2-AC	G0I170586-1RX	10	1613/SOILD		12.28000	g
07OC101D5	6	L6597-2-AC	G0I170586-2RX	10	1613/SOILD		12.71000	g
07OC101D5	7	L66AE-2-AC	G0I170586-8RX	10	1613/SOLID		12.16000	g
07OC101D5	8	L70Q5-1-AA	G0I170586-12RX	10	1613/SOLID		0.92000	g
07OC101D5	9	L6JR5-1-AC	G0I030566-18	20	1613/SOLID		9.83000	g
07OC101D5	10	L6JR6-1-AC	G0I030566-19	20	1613/SOLID		10.27000	g
07OC101D5	11	L6JR7-1-AC	G0I030566-20	20	1613/SOLID		10.60000	g
07OC101D5	12	L6JR1-1-AC	G0I030566-15	20	1613/SOLID		9.56000	g
07OC101D5	13	L6JR1-1-AD	G0I030566-15MS	20	1613/SOLID		9.62000	g
07OC101D5	14	L6JR1-1-AE	G0I030566-15MSD	20	1613/SOLID		10.23000	g
07OC101D5	15	ST1007A	CS3 10DXN426				1.00000	
07OC101D5	16	CP1007	DB-5 CPSM 3732-09				1.00000	
07OC101D5	17	L6979-1-AA	G0I220000-170 (505-MB)	20	8290/SOLID	57	10.00000	g
07OC101D5	18	L6979-1-AC	G0I220000-170 (505-LCS)	20	8290/SOLID		10.00000	g
07OC101D5	19	L65T8-1-AA	G0I170000-316 (538-MB)	20	8290/SOLID	67	0.50000	sam
07OC101D5	20	L65T8-1-AC	G0I170000-316 (538-LCS)	20	8290/SOLID		0.50000	sam
07OC101D5	21	L6NLG-1-AA	G0I080538-1	20	8290/SOLID		0.50000	sam
07OC101D5	22	L65H2-2-AC	G0I170509-3RX	20	8290/SOLID	72	10.21000	g
07OC101D5	23	L65H2-1-AF	G0I170509-3S	20	8290/SOLID		10.59000	g
07OC101D5	24	L65H2-1-AG	G0I170509-3D	20	8290/SOLID		10.44000	g
07OC101D5	25	L7VDA-1-AA	G0J010524-1	20	TO9/AIR	69	0.50000	sam
07OC101D5	26	L7VDE-1-AA	G0J010524-2 ^{3 mA}	20	TO9/AIR		0.50000	sam
07OC101D5	27	L7L3K-2-AC	G0I280539-1 _{10/9/10}	20	8290/SOLID		10.41000	g
07OC101D5	28	L7L3M-2-AC	G0I280539-2	20	8290/SOLID		10.64000	g
07OC101D5	29	ST1007B	CS3 10DXN426				1.00000	
07OC101D5	30						1.00000	
07OC101D5	31						1.00000	
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10/8/10

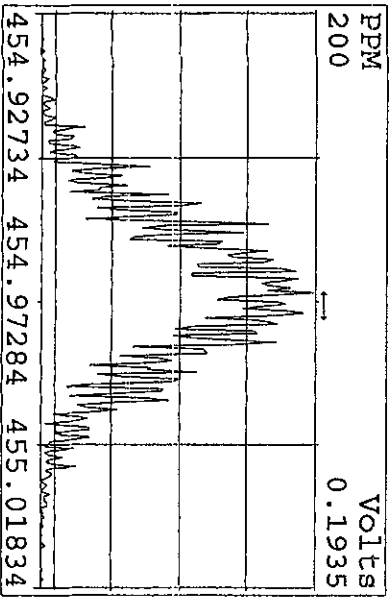
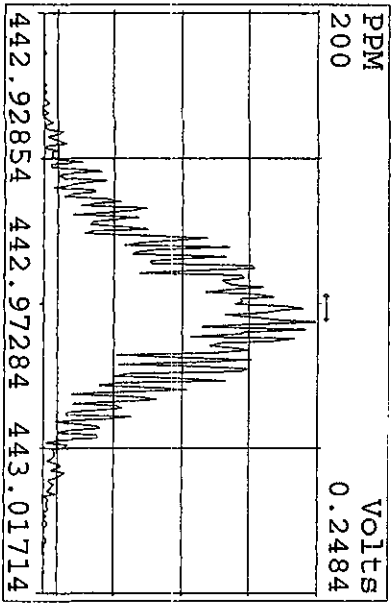
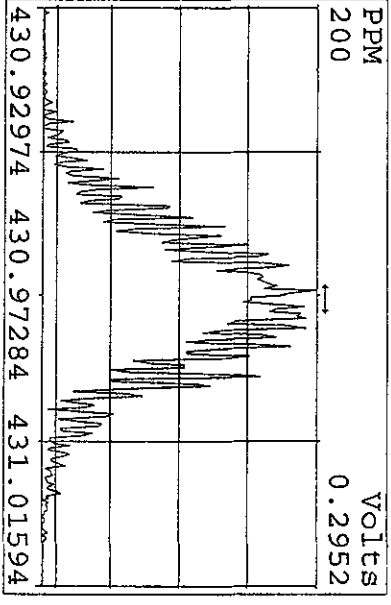
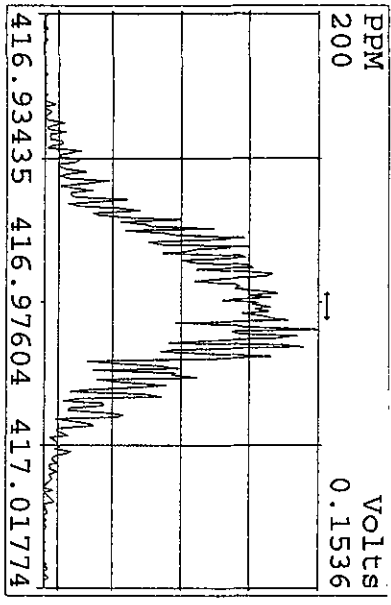
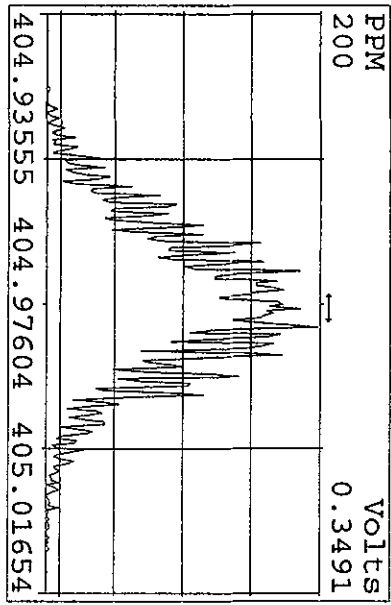
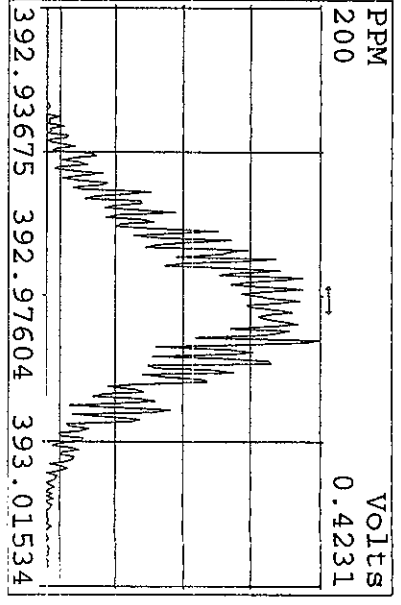
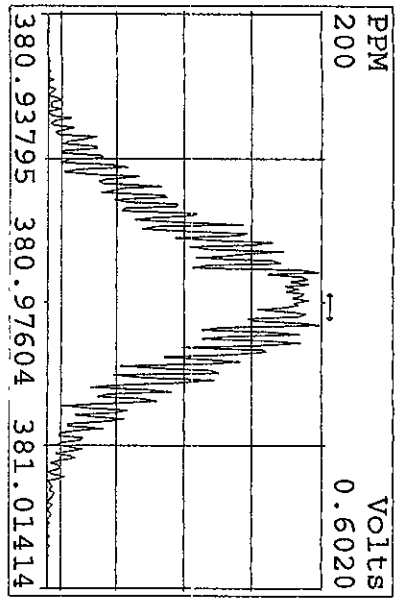
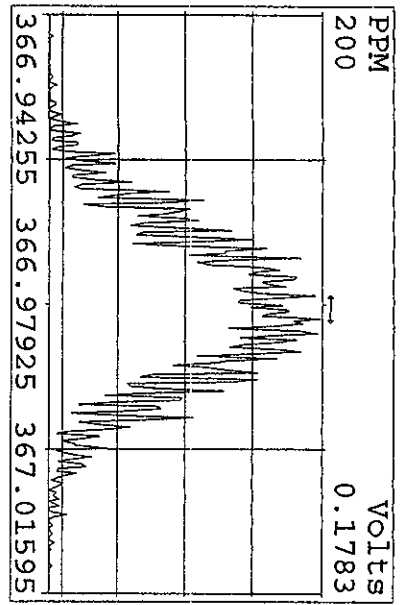
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Experiment:DIOXINRES Function:1 Reference:PFK



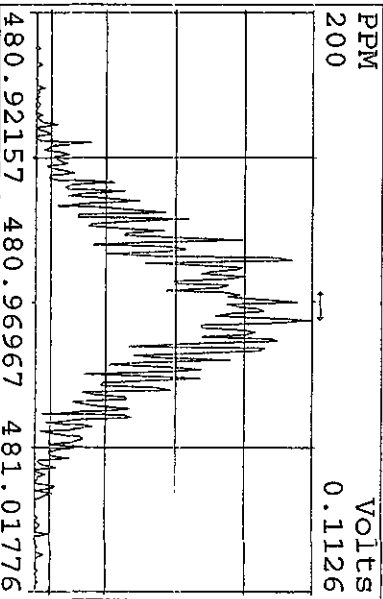
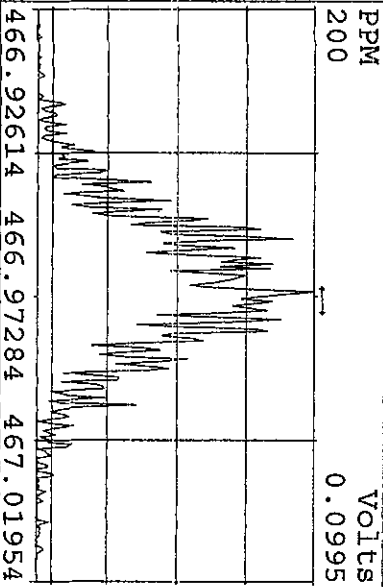
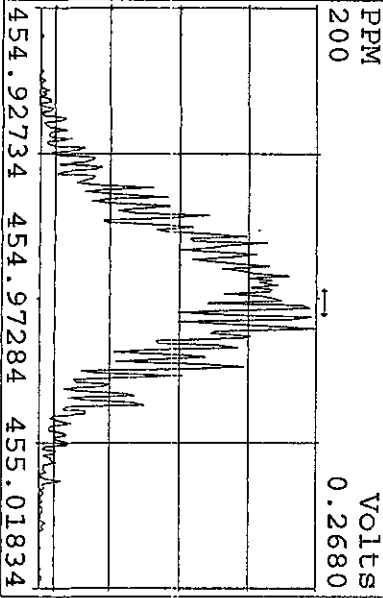
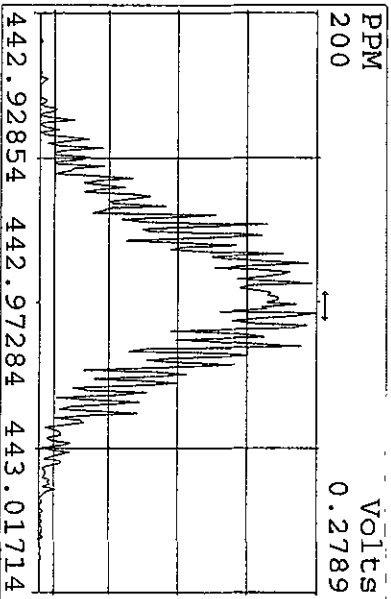
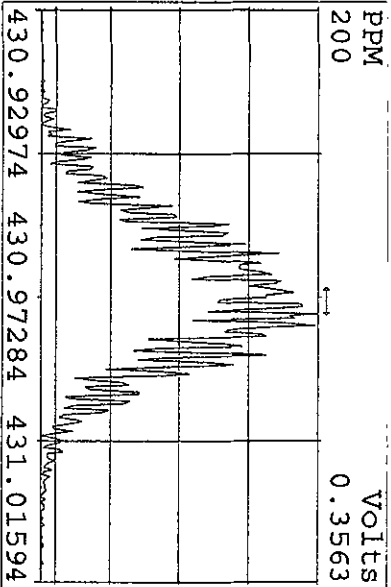
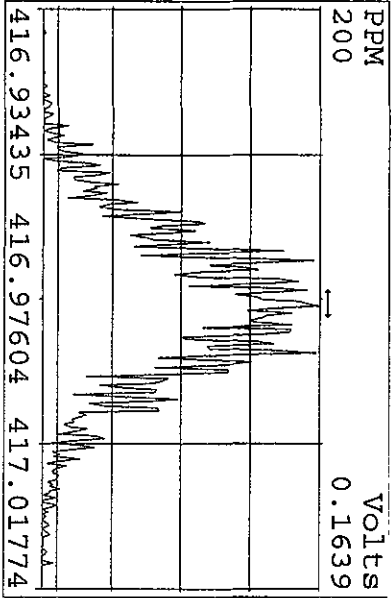
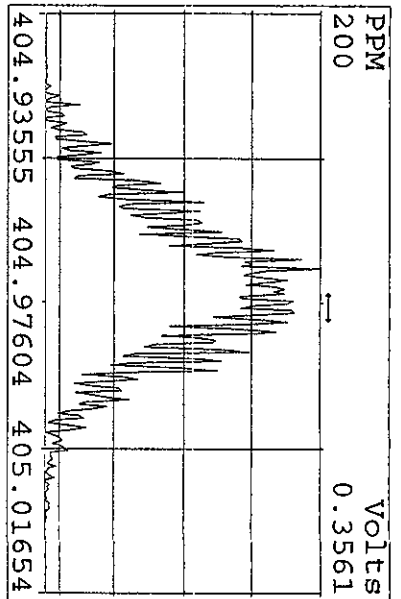
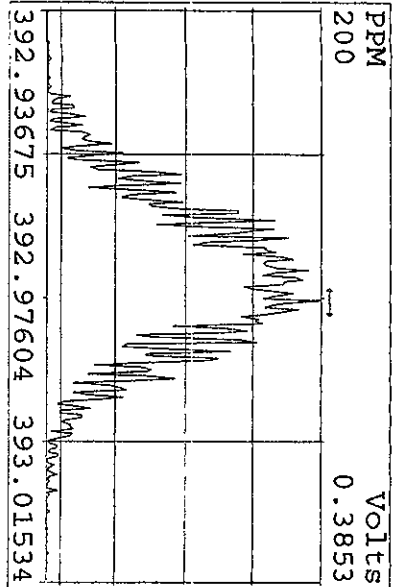
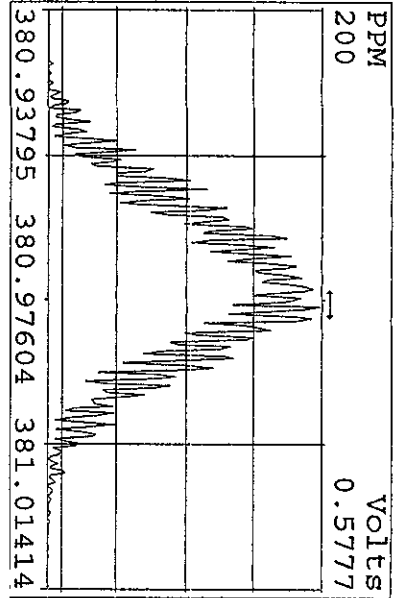
Peak Locate Examination: 7-OCT-2010:11:45 File:070C101D5
Experiment:DIOXINRES Function:2 Reference:PFK



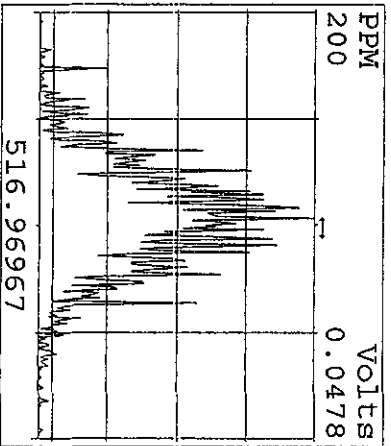
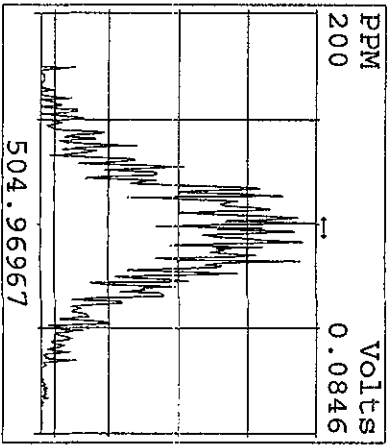
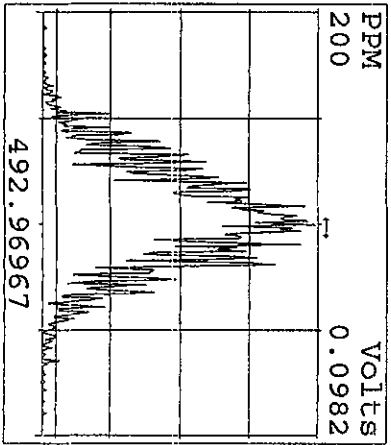
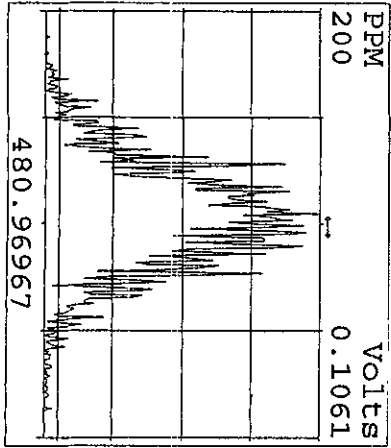
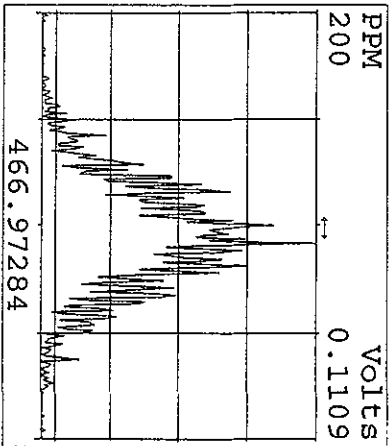
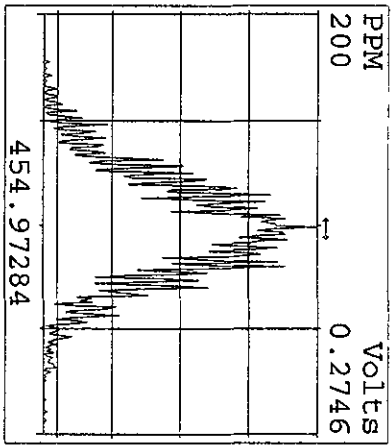
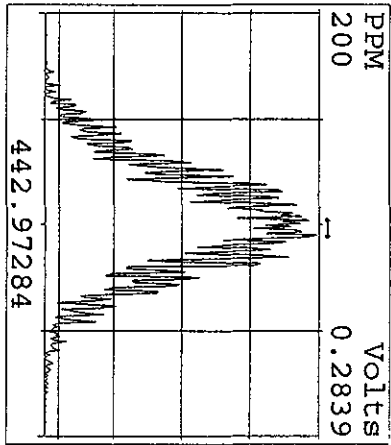
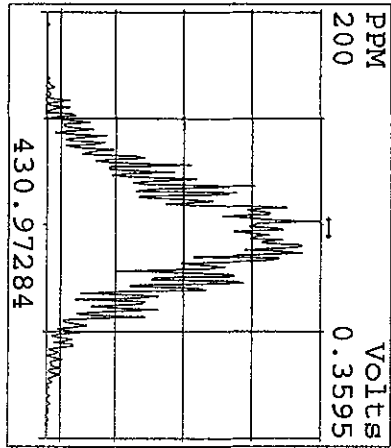
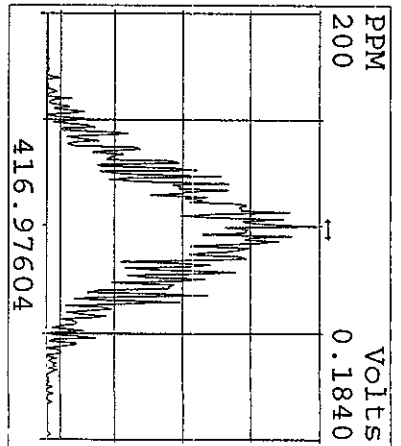
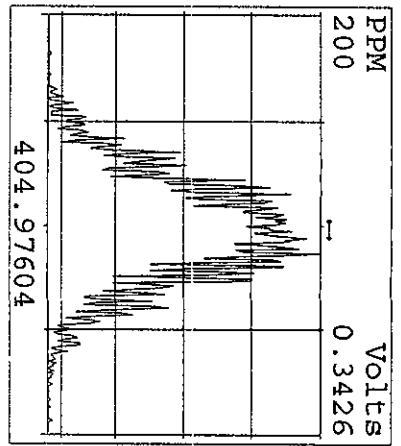
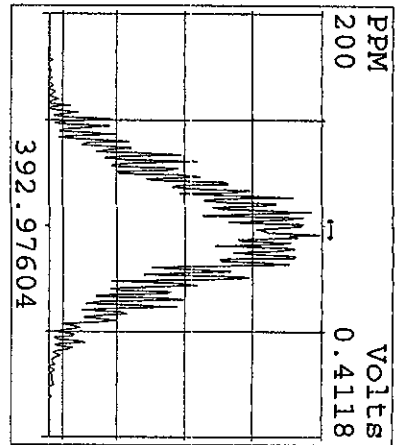
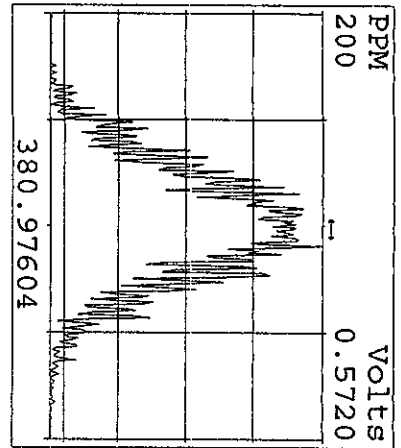
Peak Locate Examination: 7-OCT-2010:11:45 File:07OC101D5
 Experiment:DIOXINRES Function:3 Reference:PRK



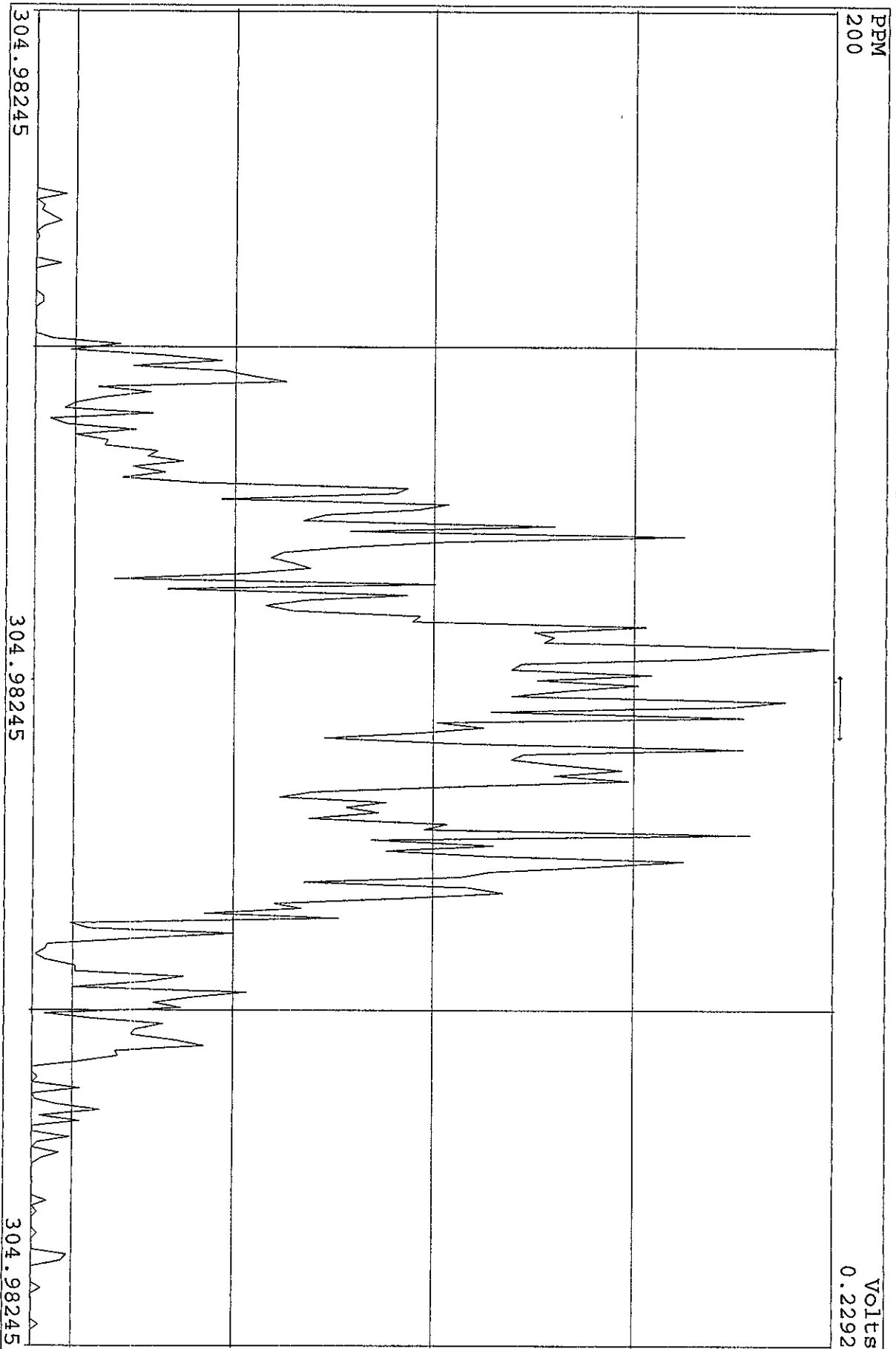
Peak Locate Examination: 7-OCT-2010:11:45 File:070C101D5
 Experiment:DIOXINRES Function:4 Reference:PFK



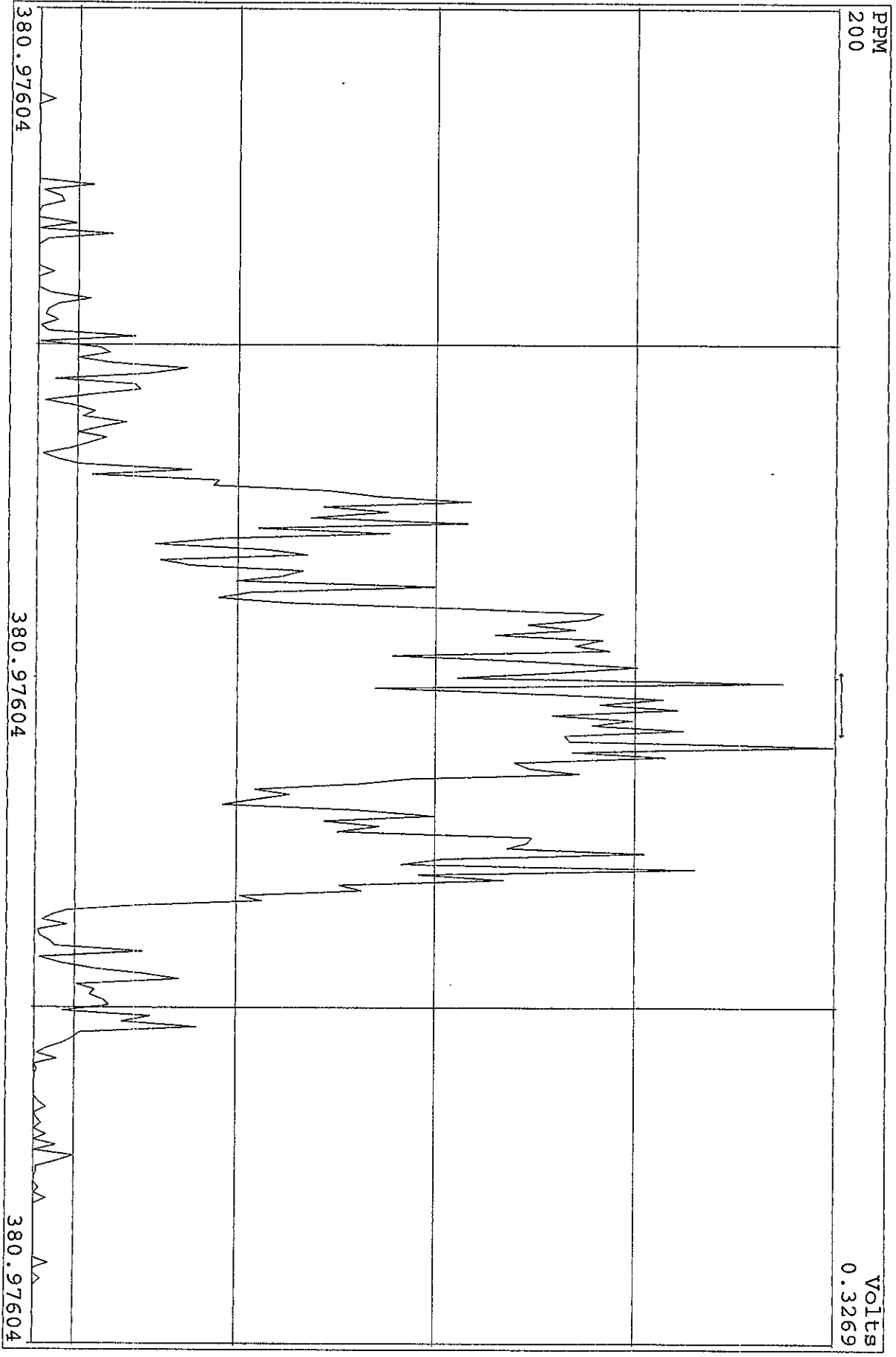
Peak Locate Examination: 7-OCT-2010:11:46 File:070C101D5
Experiment:DIOXINRES Function:5 Reference:PFK



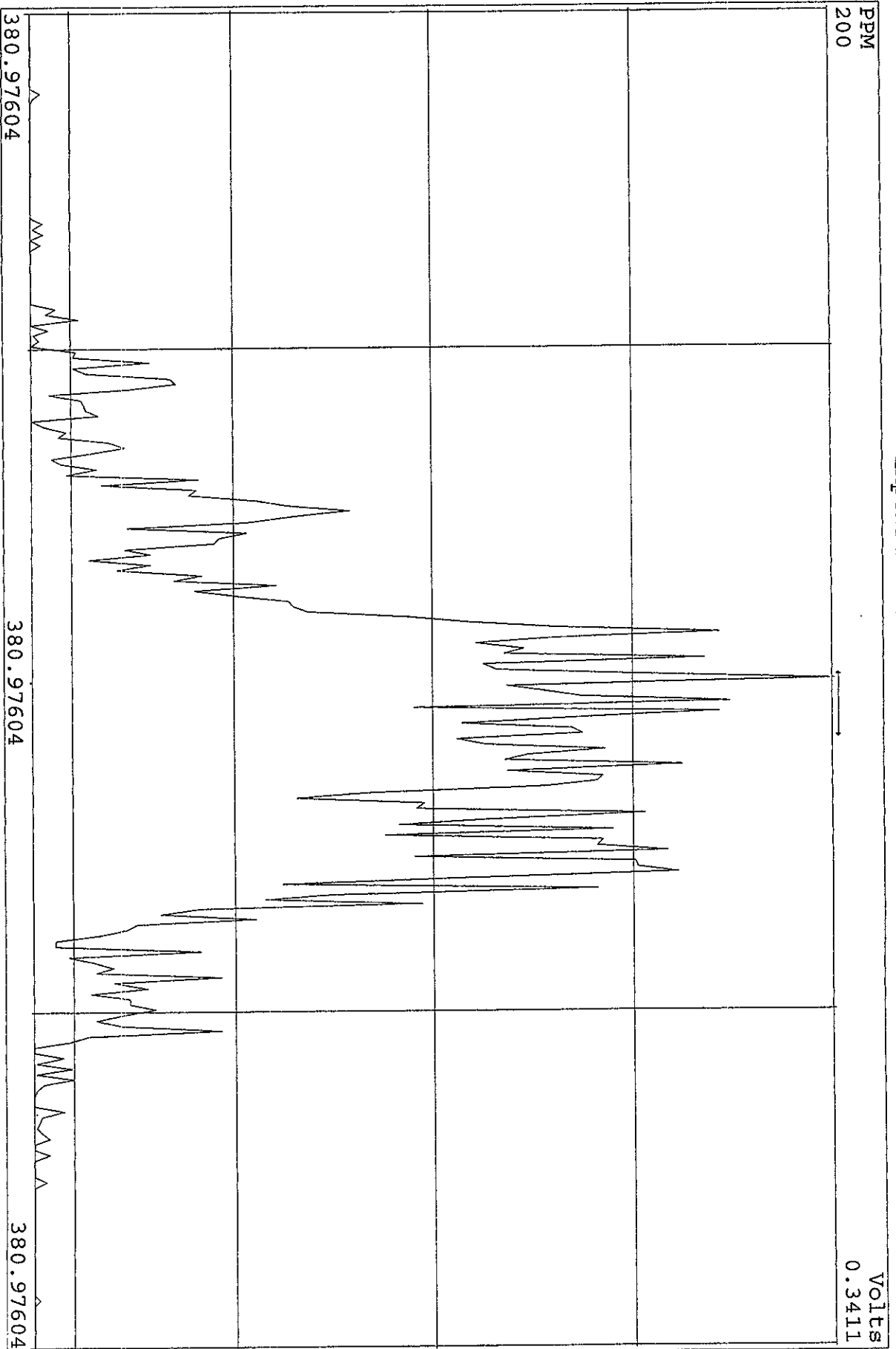
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Experiment:DIOXINRES Function:7



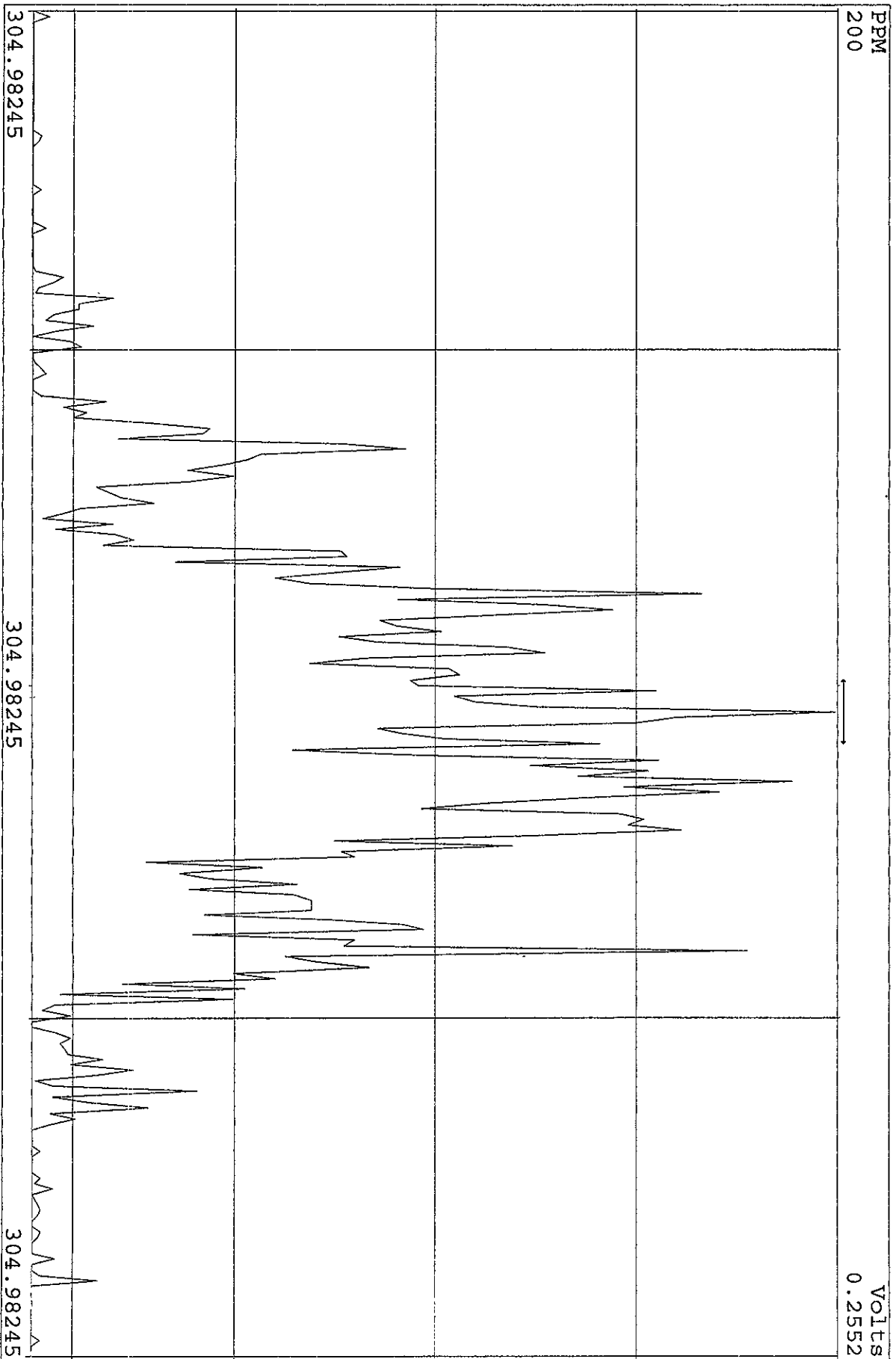
SIRLM Examination: 7-OCT-2010:21:43 File:070C101D5
Experiment:DIOXINRES Function:6



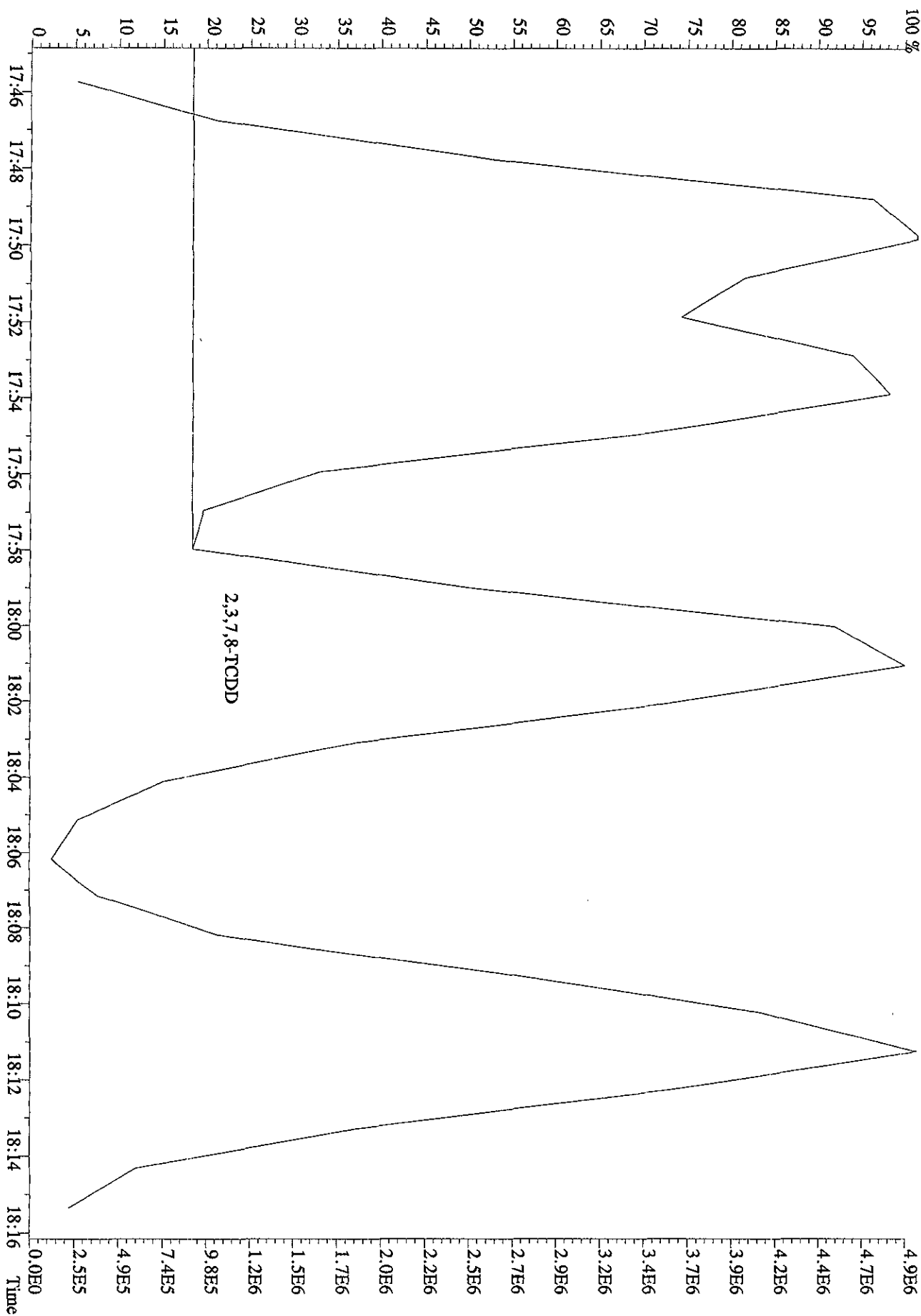
SIRIM Examination: 7-OCT-2010:22:26 File:070C101D5
Experiment:DIOXINRES Function:6



SIRLM Examination: 7-OCT-2010:22:27 File:070C101D5
Experiment:DIOXINRES Function:7



File:07OC101D5 #1-382 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
Sample#16 Text: :
319.8965 S:16 BSUB(128,15,-3.0)
Exp:DIOXINRES



n: 070C101D5 Analyte: T09 Cal: T090914101D5

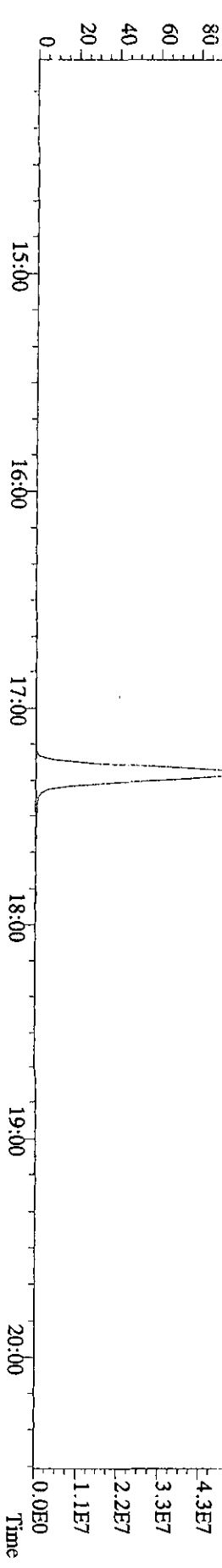
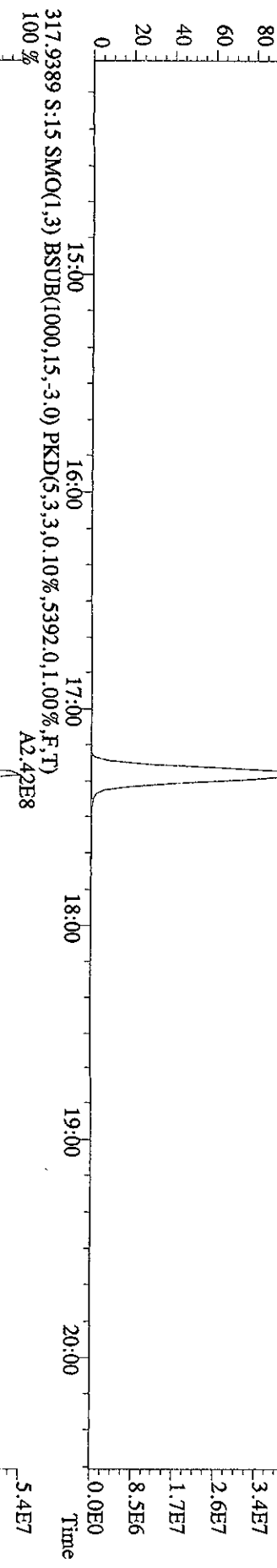
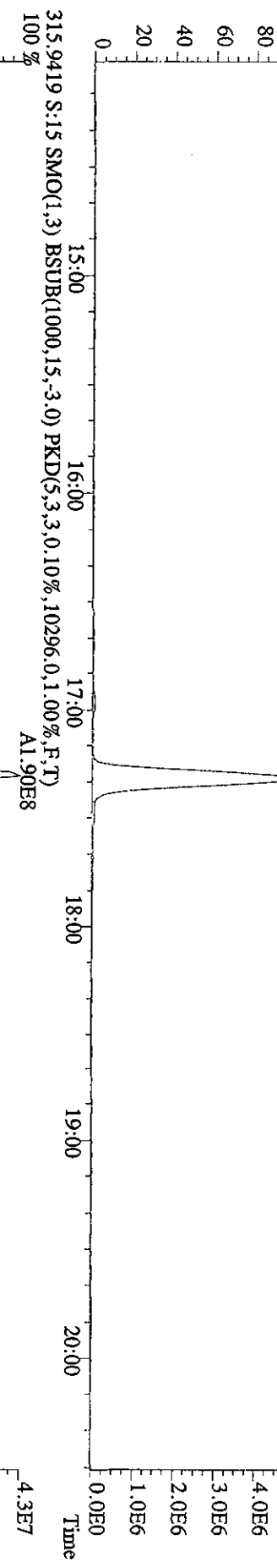
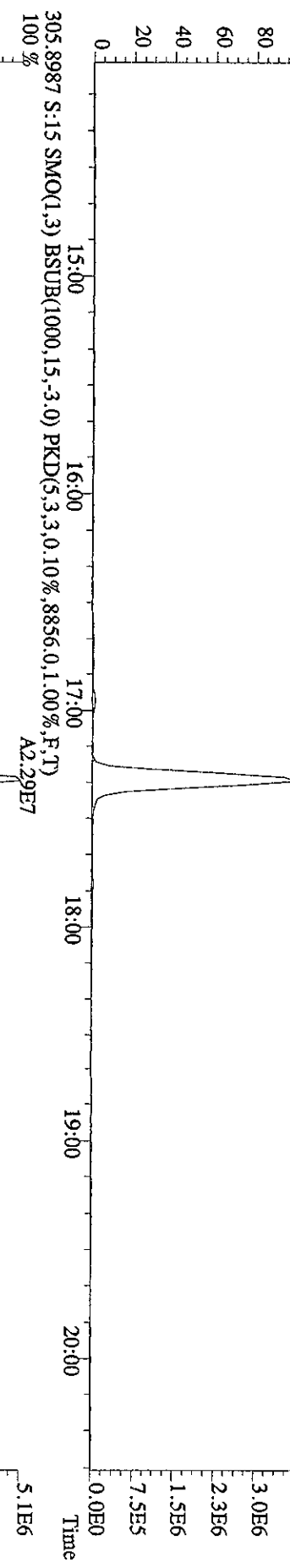
ST0914B :CS1 10DXN342 ST0914A :CS2 10DXN335 ST0914 :CS3 10DXN426
 ST0914D :CS4 10DXN337 ST0914C :CS5 10DXN339

14SE101D5 14SE101D5 14SE101D5 14SE101D5 14SE101D5

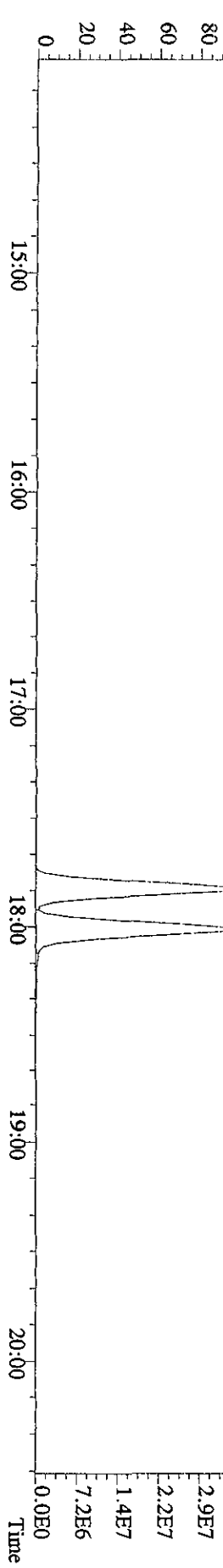
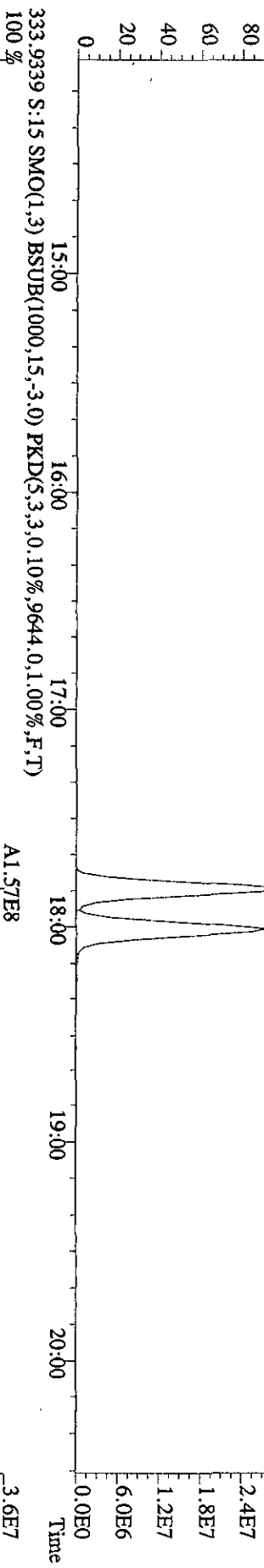
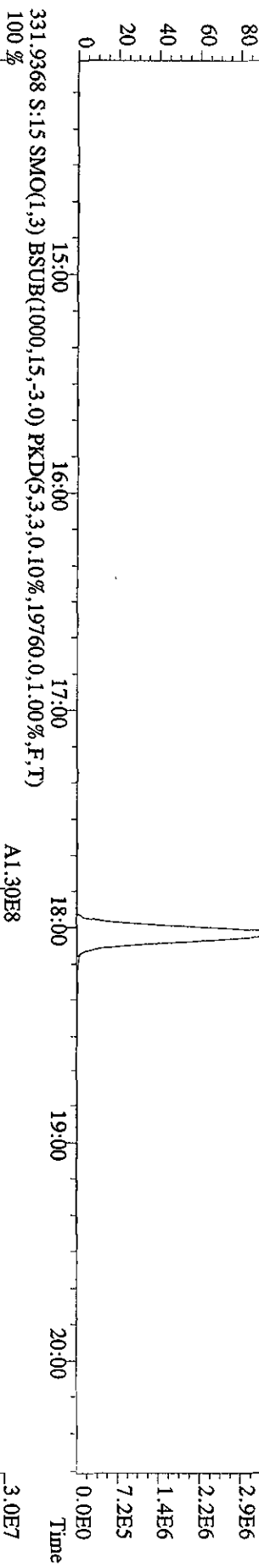
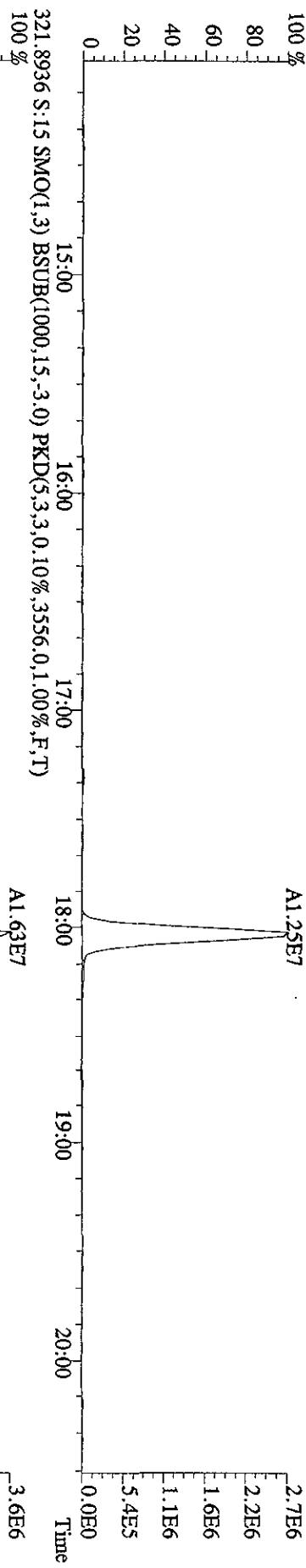
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.563	0.037	2.40 %	1.57	1.61	1.55	1.57	1.51
2,3,7,8-TCDF	0.984	0.116	11.8 %	0.90	0.82	1.05	1.08	1.07
Total TCDF	0.984	0.116	11.8 %	0.90	0.82	1.05	1.08	1.07
13C-2,3,7,8-TCDD	0.921	0.041	4.42 %	0.95	0.94	0.96	0.87	0.88
2,3,7,8-TCDD	1.032	0.111	10.8 %	0.91	0.92	1.06	1.14	1.13
Total TCDD	1.032	0.111	10.8 %	0.91	0.92	1.06	1.14	1.13
37Cl-2,3,7,8-TCDD	1.226	0.171	14.0 %	1.03	1.10	1.20	1.37	1.43
3C-1,2,3,7,8-PeCDF	1.053	0.139	13.2 %	1.15	1.20	1.10	0.96	0.86
1,2,3,7,8-PeCDF	1.092	0.151	13.8 %	0.89	0.97	1.22	1.19	1.19
2,3,4,7,8-PeCDF	1.018	0.140	13.8 %	0.82	0.92	1.14	1.10	1.11
Total F2 PeCDF	1.055	0.145	13.8 %	0.85	0.95	1.18	1.15	1.15
Total F1 PeCDF	1.055	0.145	13.8 %	0.85	0.95	1.18	1.15	1.15
3C-1,2,3,7,8-PeCDD	0.561	0.085	15.1 %	0.61	0.65	0.59	0.51	0.44
1,2,3,7,8-PeCDD	1.070	0.156	14.6 %	0.89	0.92	1.16	1.16	1.22
Total PeCDD	1.070	0.156	14.6 %	0.89	0.92	1.16	1.16	1.22
-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
-1,2,3,4,7,8-HxCDF	0.991	0.061	6.19 %	1.00	1.05	1.00	1.01	0.89
1,2,3,4,7,8-HxCDF	1.261	0.122	9.70 %	1.11	1.21	1.40	1.38	1.20
1,2,3,6,7,8-HxCDF	1.531	0.150	9.79 %	1.33	1.47	1.58	1.53	1.74
2,3,4,6,7,8-HxCDF	1.407	0.159	11.3 %	1.20	1.29	1.52	1.43	1.59
1,2,3,7,8,9-HxCDF	1.396	0.174	12.5 %	1.16	1.30	1.53	1.41	1.58
Total HxCDF	1.399	0.137	9.83 %	1.20	1.32	1.51	1.44	1.53
-1,2,3,6,7,8-HxCDD	0.739	0.034	4.62 %	0.75	0.75	0.73	0.69	0.78
1,2,3,4,7,8-HxCDD	1.120	0.159	14.2 %	0.89	1.05	1.25	1.28	1.13

1,2,3,6,7,8-HxCDD	1.141	0.145	12.7 %	0.94	1.04	1.25	1.26	1.22
1,2,3,7,8,9-HxCDD	1.354	0.182	13.4 %	1.14	1.23	1.58	1.49	1.32
Total HxCDD	1.205	0.158	13.1 %	0.99	1.11	1.36	1.35	1.22
1,2,3,4,6,7,8-HpCDF	0.956	0.098	10.2 %	1.05	1.07	0.89	0.86	0.91
1,2,3,4,6,7,8-HpCDF	1.408	0.193	13.7 %	1.12	1.32	1.61	1.51	1.48
1,2,3,4,7,8,9-HpCDF	1.236	0.121	9.80 %	1.06	1.17	1.36	1.28	1.31
Total HpCDF	1.322	0.157	11.9 %	1.09	1.24	1.49	1.39	1.40
1,2,3,4,6,7,8-HpCDD	0.712	0.085	11.9 %	0.78	0.82	0.67	0.63	0.66
1,2,3,4,6,7,8-HpCDD	1.134	0.139	12.3 %	0.94	1.03	1.26	1.21	1.23
Total HpCDD	1.134	0.139	12.3 %	0.94	1.03	1.26	1.21	1.23
13C-OCDD	0.353	0.054	15.4 %	0.40	0.42	0.32	0.29	0.34
OCDF	2.118	0.323	15.3 %	1.63	1.95	2.36	2.29	2.36
OCDD	1.371	0.158	11.5 %	1.17	1.23	1.52	1.47	1.47

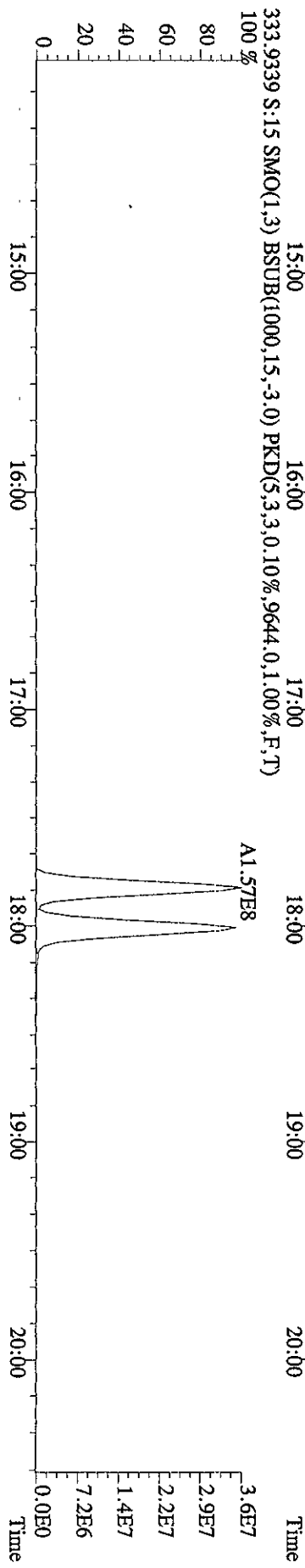
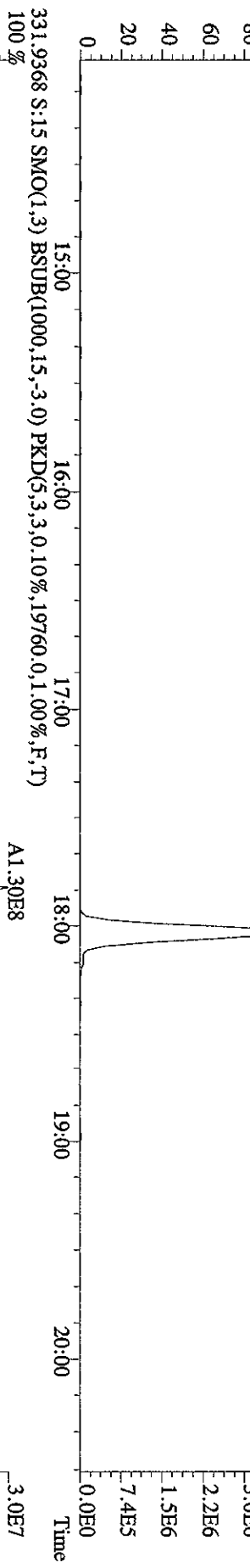
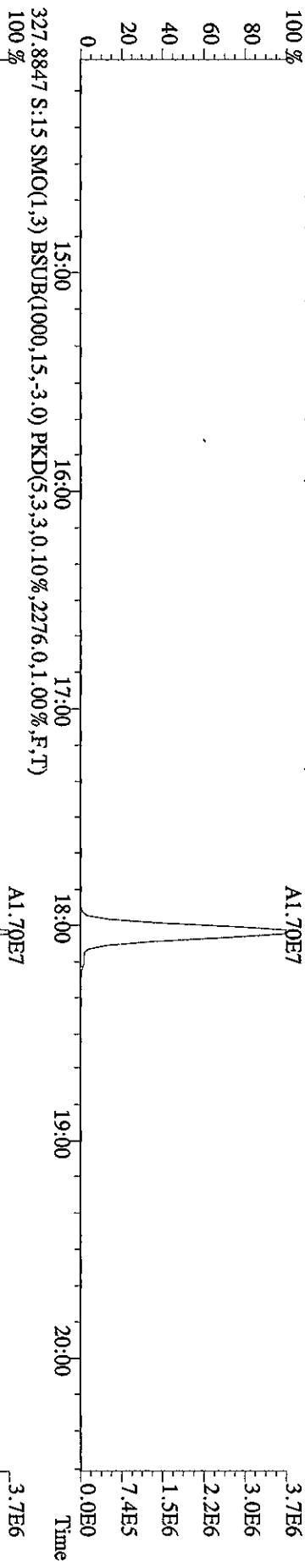
File:07OC101D5 #1-382 Acq: 7-OCT-2010 21:47:23 GC EI+ Voltage SIR 70SE
 Sample#15 Text:ST1007A :CS3 10DXN426 Exp:DIOXINRES
 303.9016 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7936,0,1,00%,F,T)
 100% A1.68E7



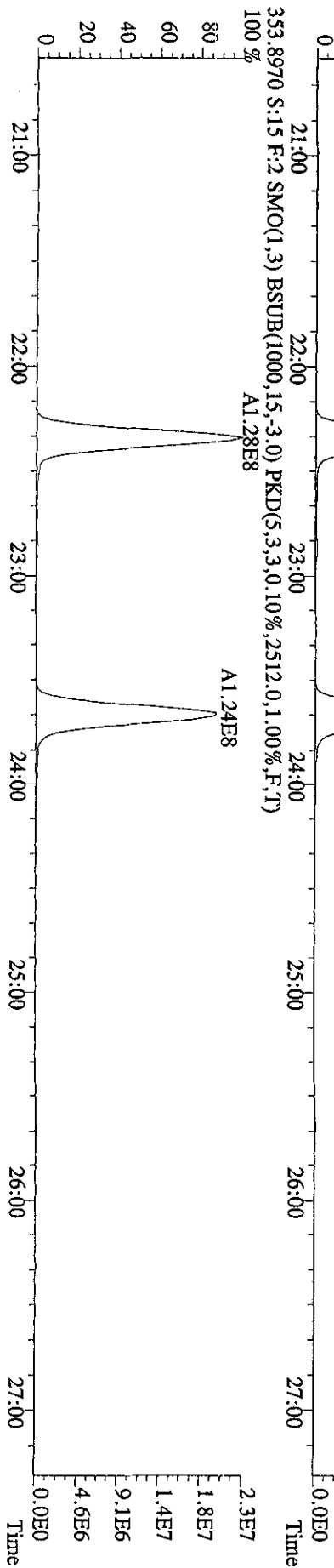
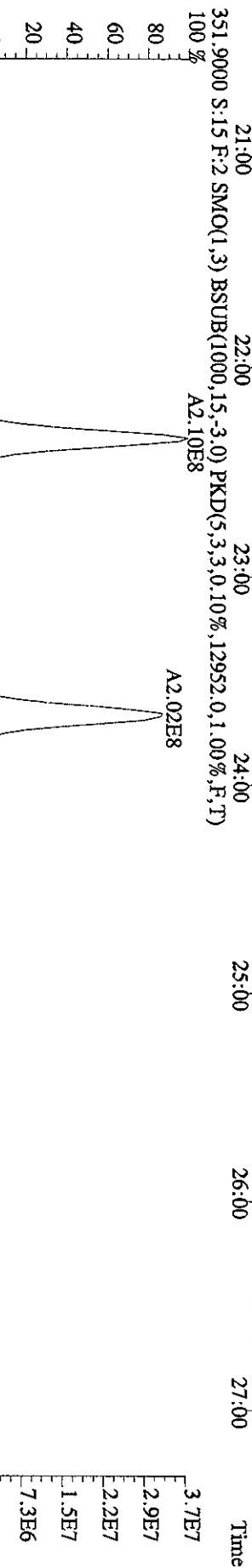
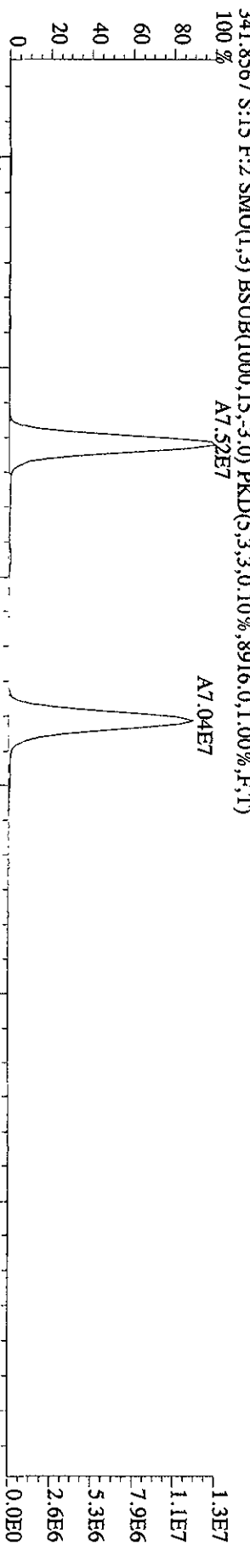
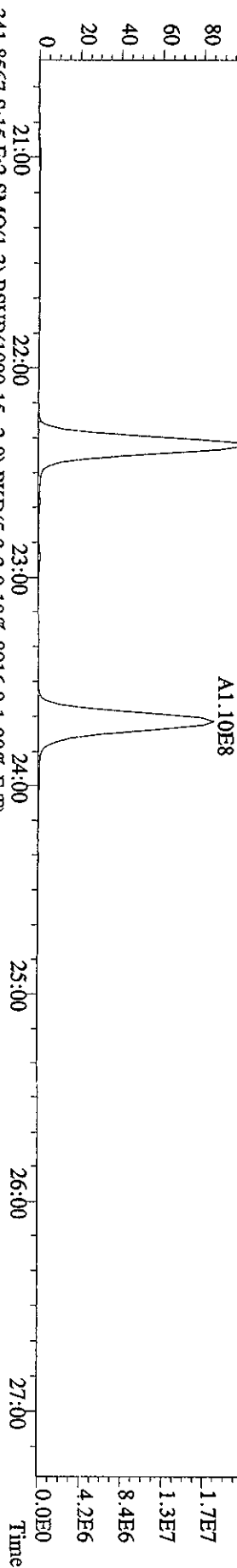
File:07OC101ID5 #1-382 Acq: 7-OCT-2010 21:47:23 GC EI + Voltage SIR 70SE
 Sample#15 Text:ST1007A :CS3 10DXN426 Exp:DIOXINRES
 319.8965 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2700,0,1,00%,F,T)
 100 %



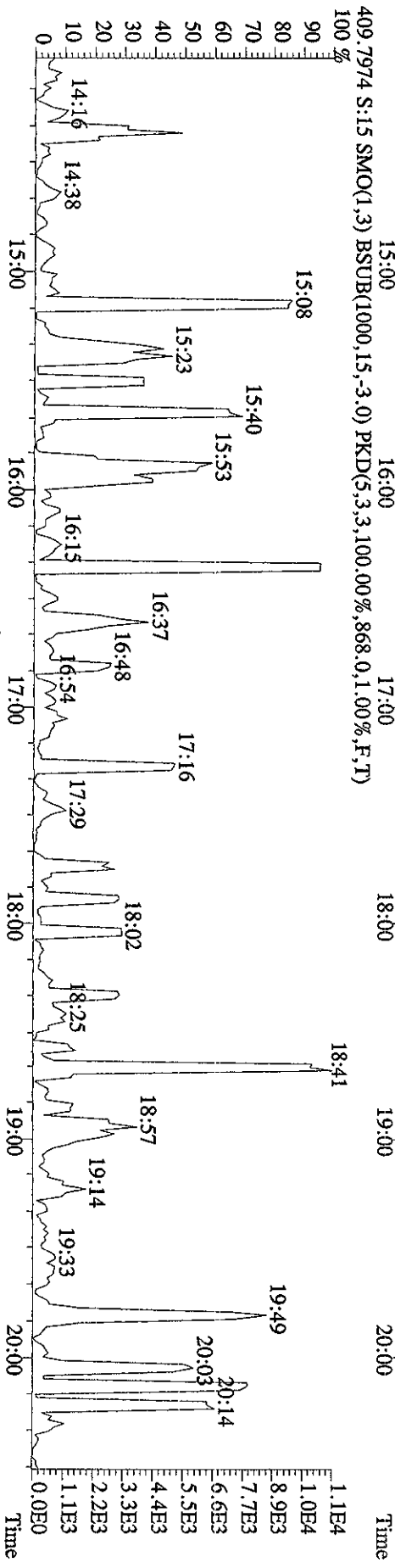
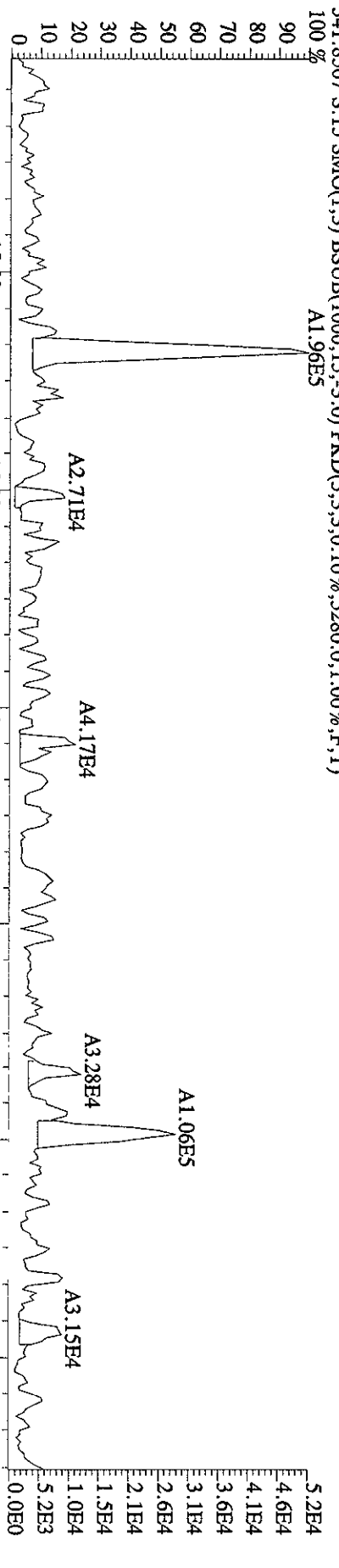
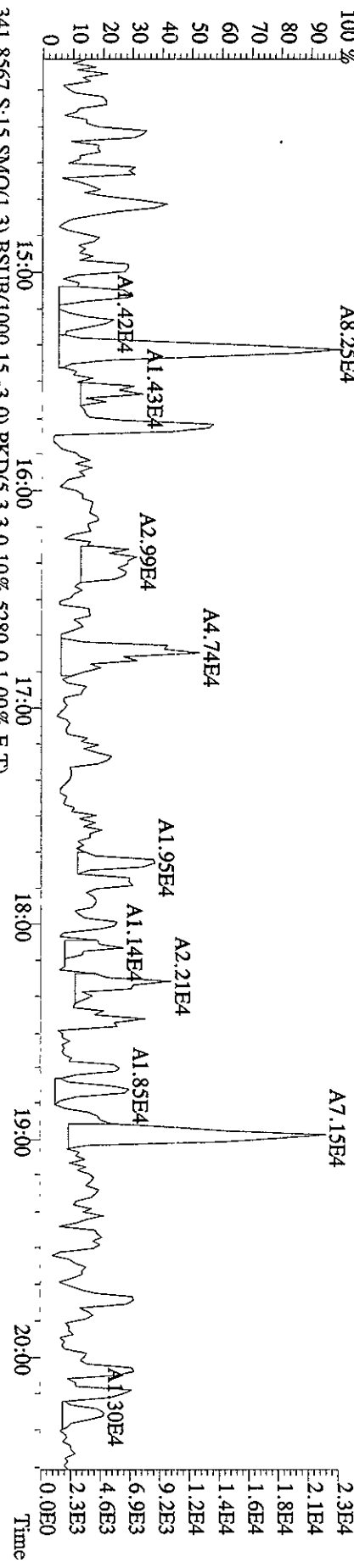
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 Sample#15 Text:ST1007A .CS3 10DXN426 Exp.:DIOXINRES
 327.8847 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2276,0,1,00%,F,T)
 100%



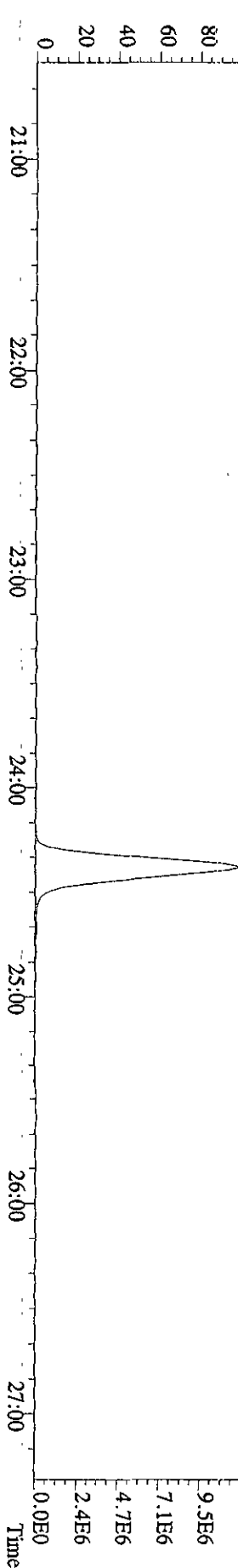
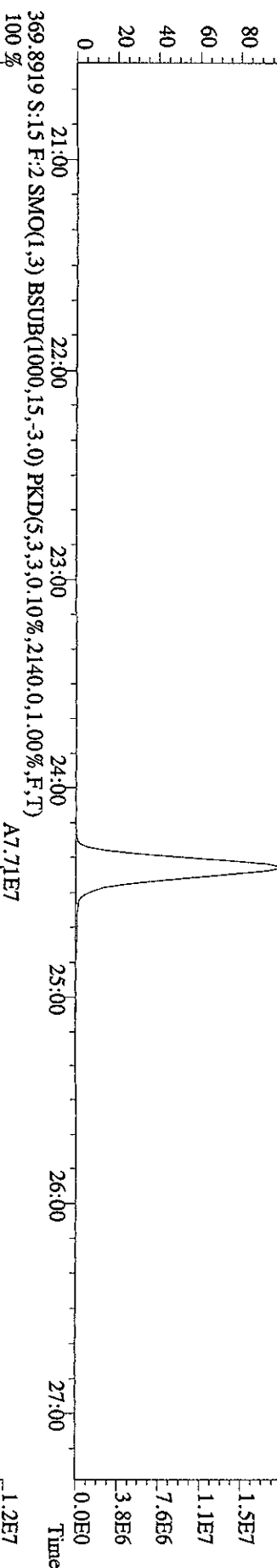
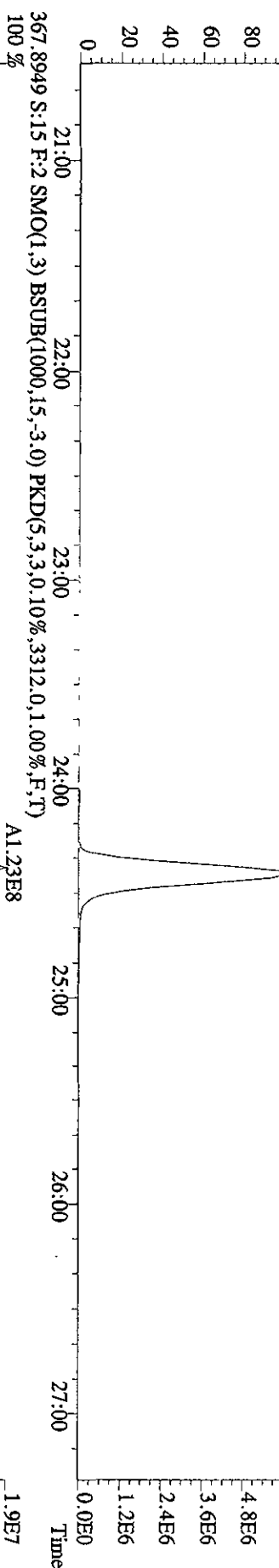
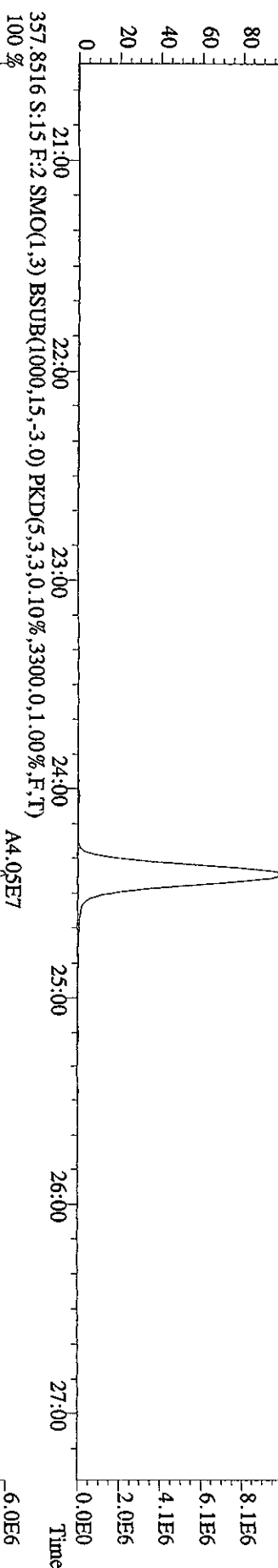
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 Sample#15 Text:ST1007A :CS3 10DXN426 Exp:DIOXINRES
 339.8597 S:15 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6268,0,1,00%,F,T)
 100%



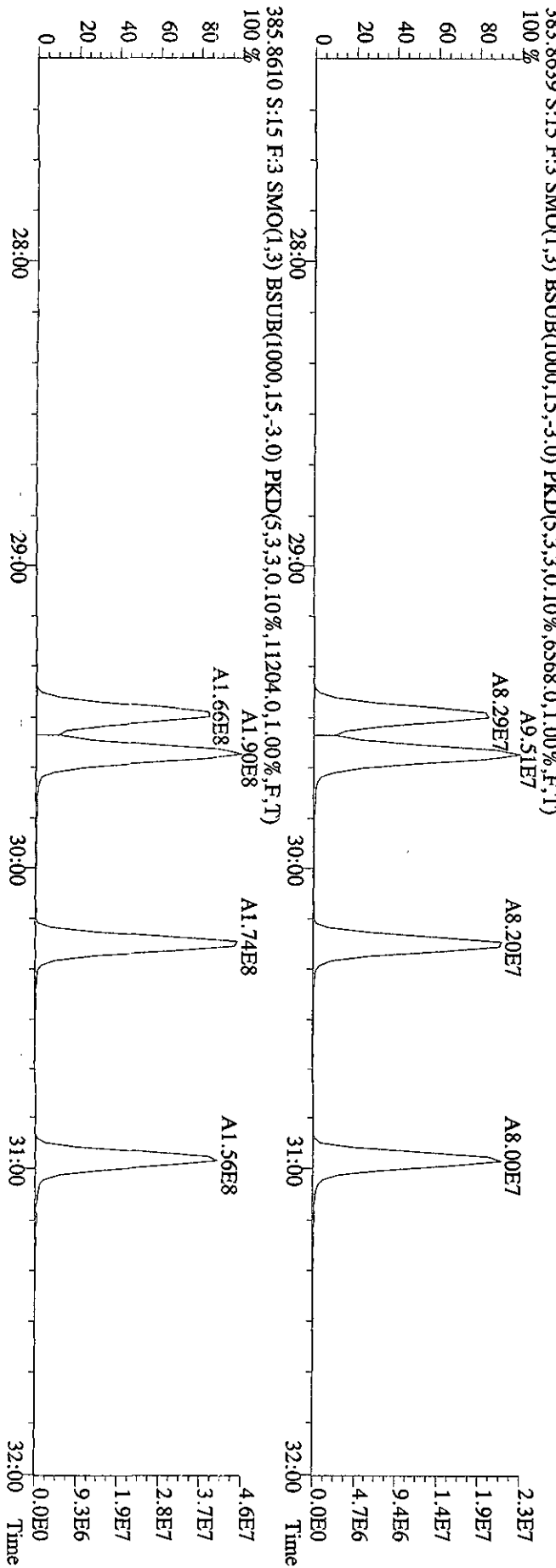
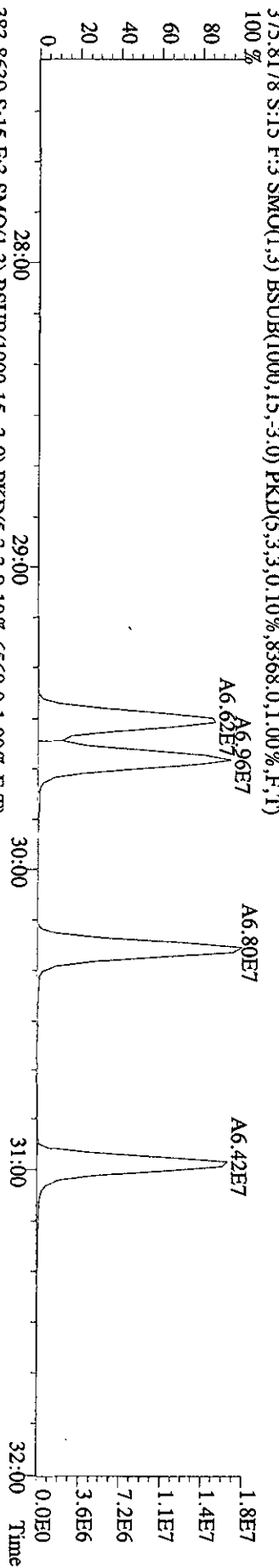
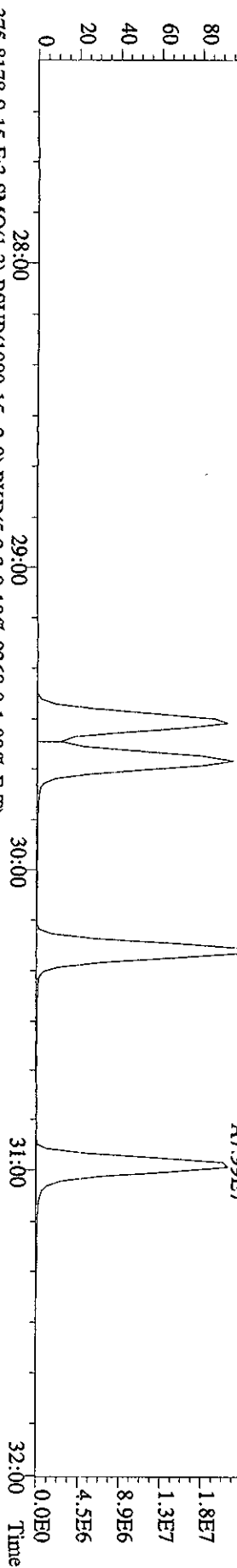
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 Sample#15 Text:ST1007A :CS3 10DXN426 Exp.:DIOXINRES
 339.8597 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3940,0,1,00%,F,T)



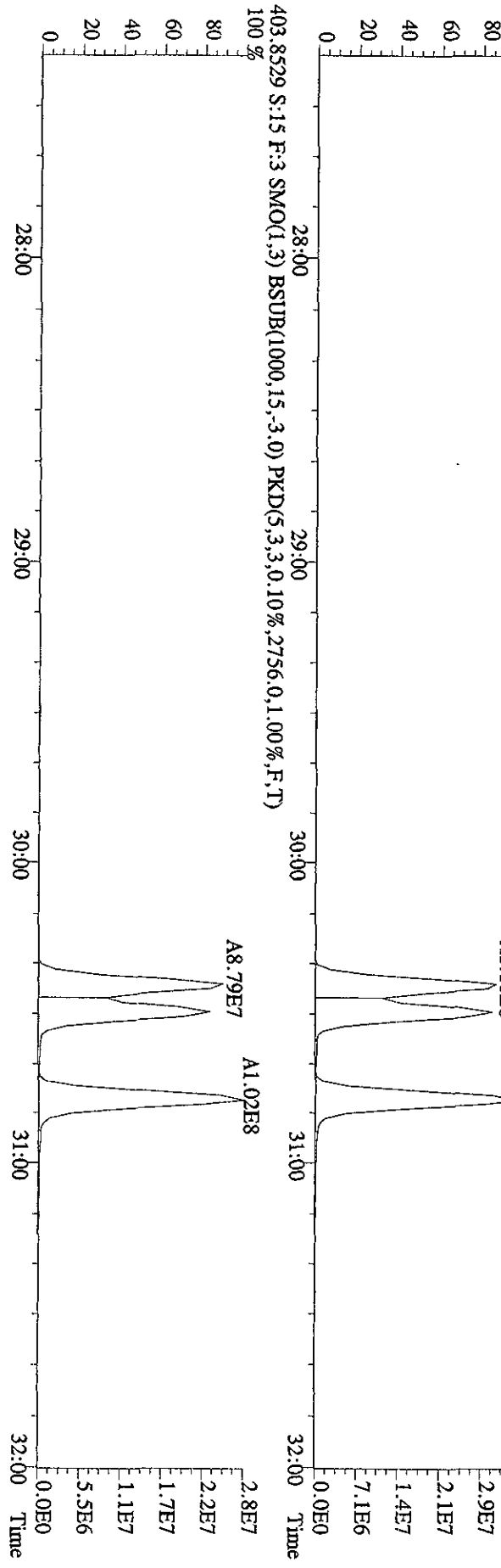
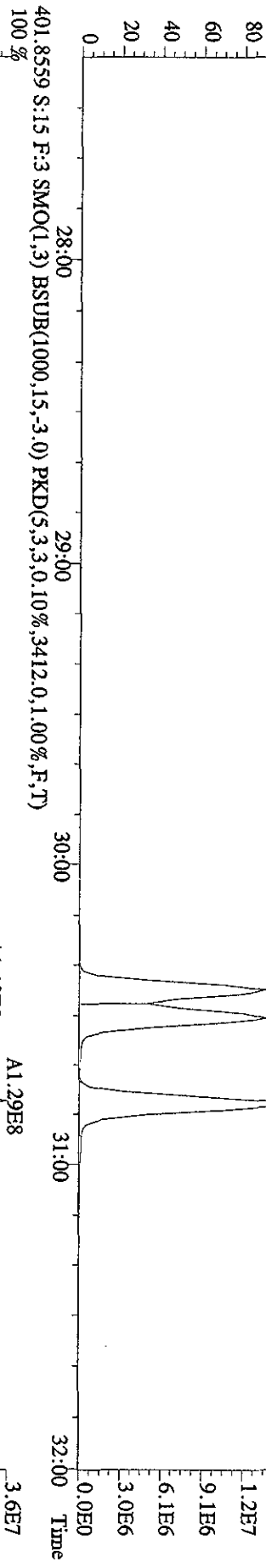
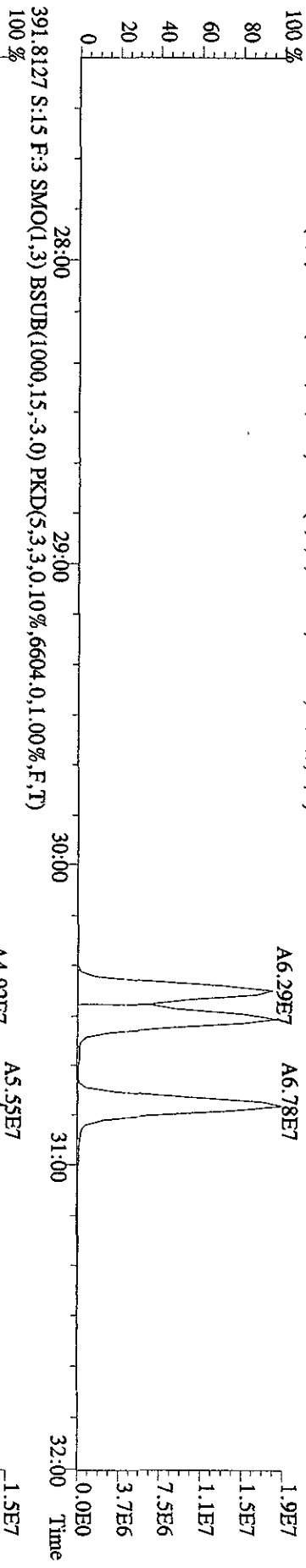
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 Sample#15 Text:ST1007A :CS3 10DXN426 Exp:DIOXINRES
 357.8516 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3300,0,1,00%,F,T)
 100%



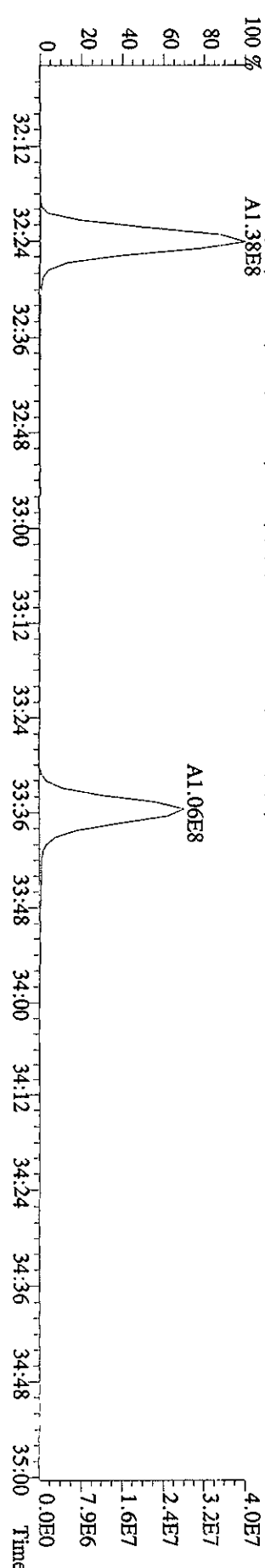
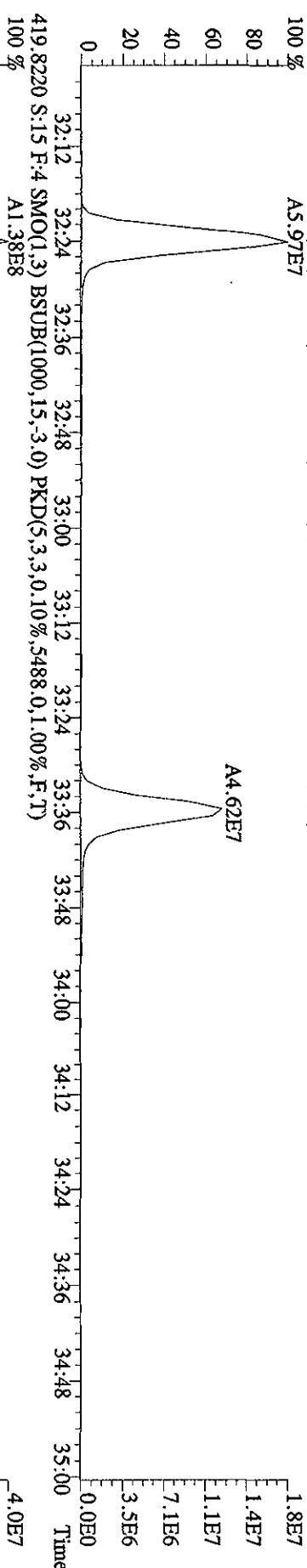
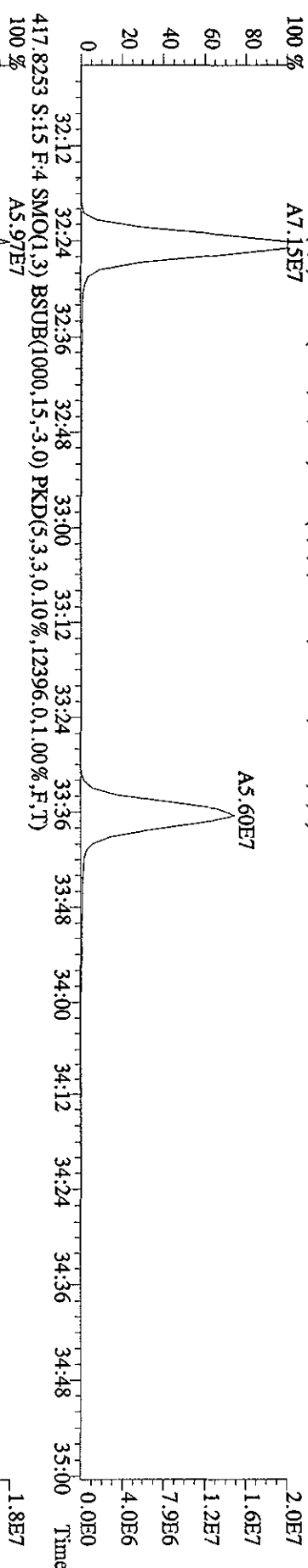
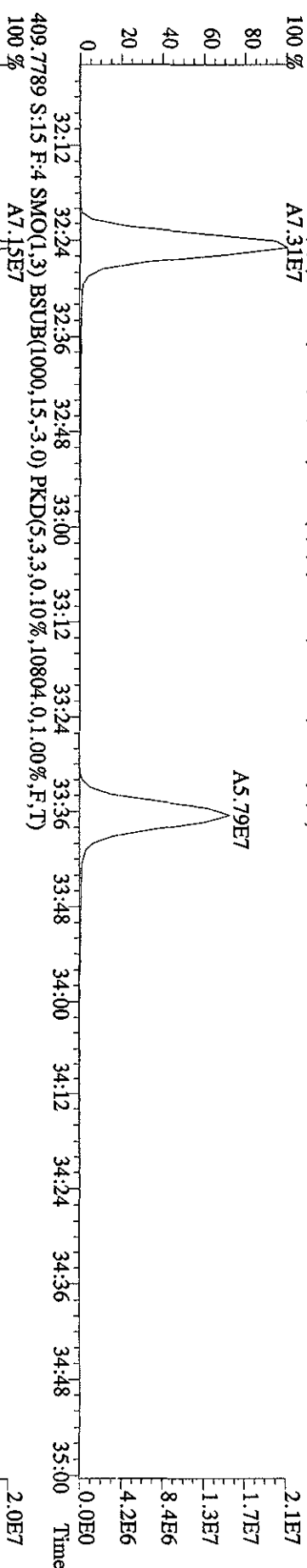
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 Sample#15 Text:ST1007A :CSS 10DXN426 Exp:DIOXINRES
 373.8208 S:15 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9692,0,1,00%,F,T)



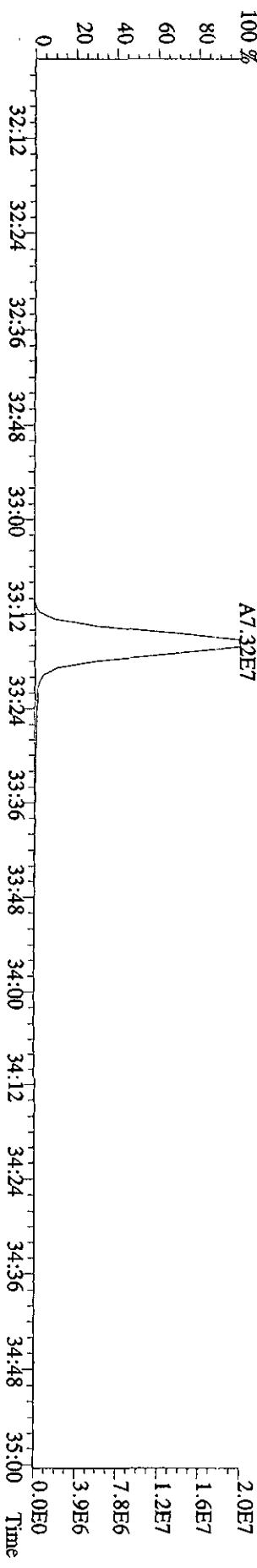
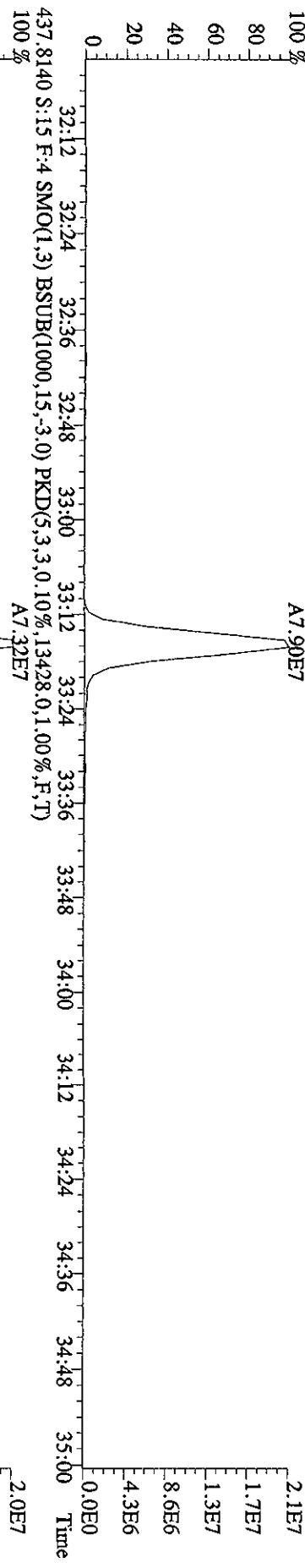
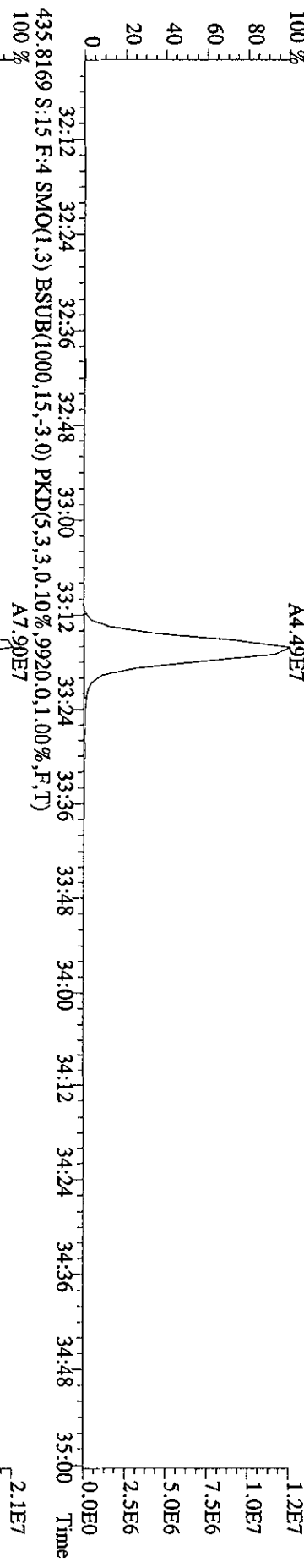
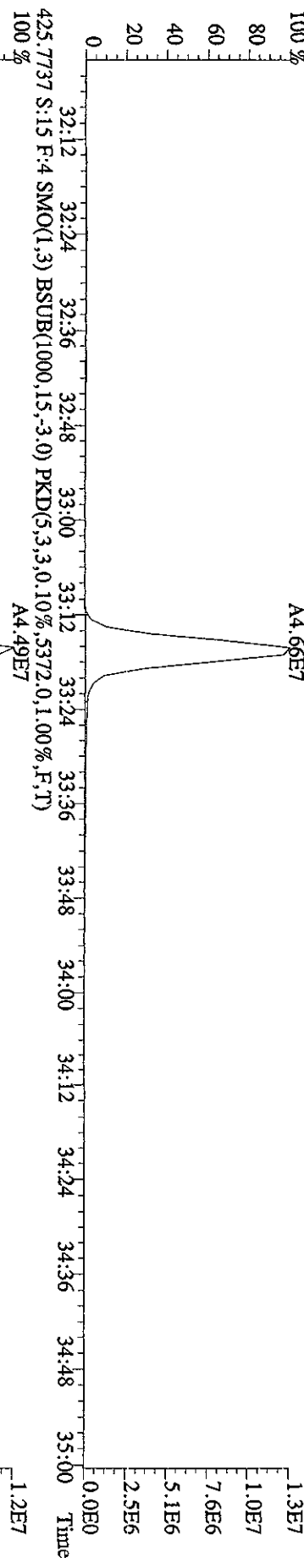
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 Sample#15 Text:ST1007A :CS3 10DXN426 Exp:DIOXINRES
 389.8157 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3372.0,1.00%,F,T)



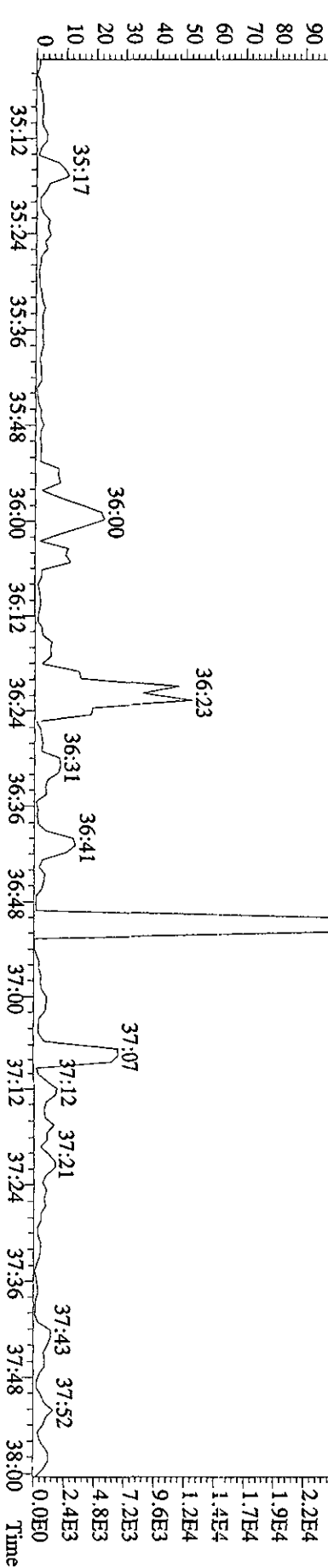
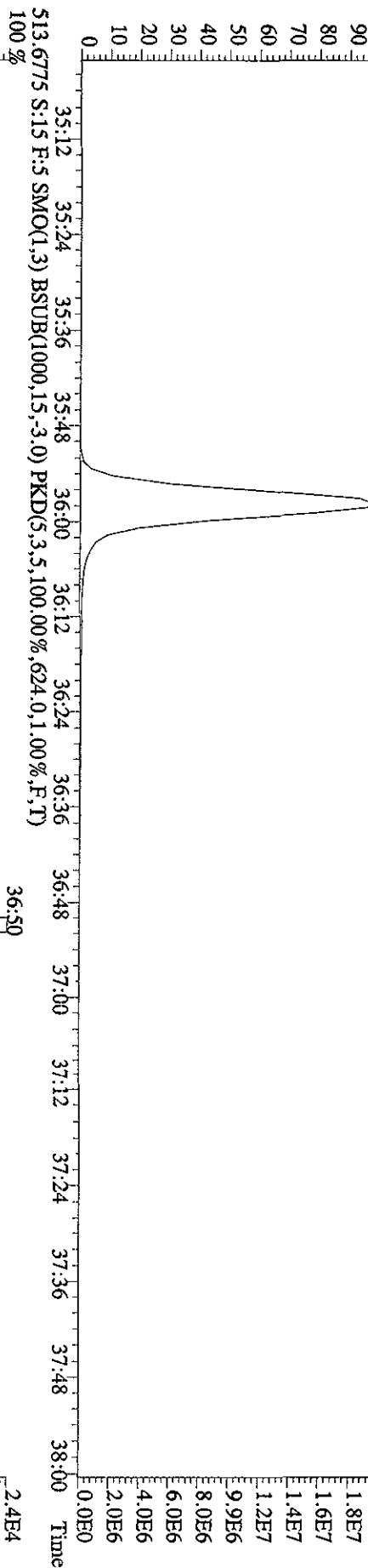
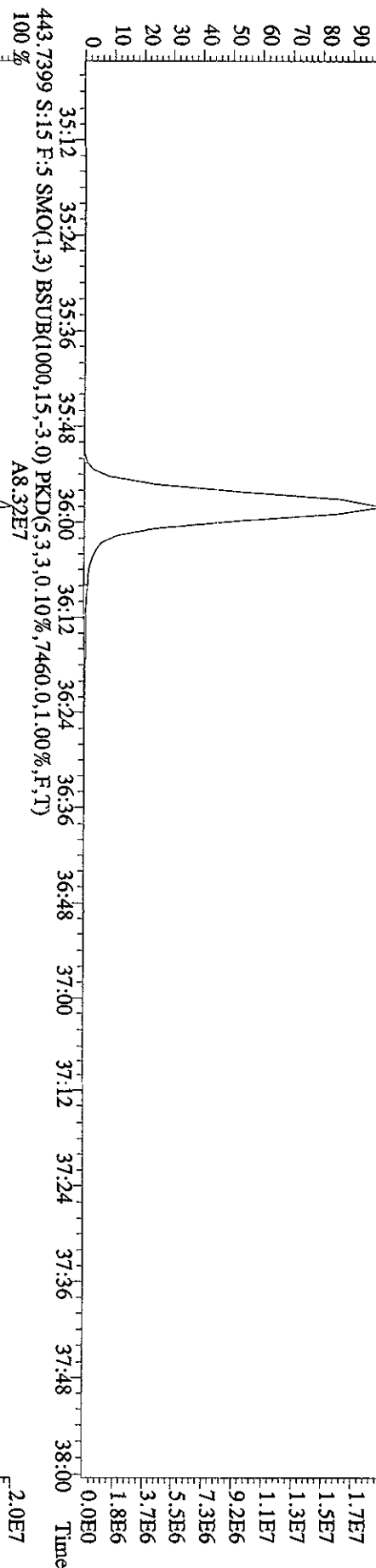
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 Sample#15 Text:ST1007A :CS3 10DXN426 Exp:DIOXINRES
 407.7818 S:15 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,12400,0,1,00%,F,T)
 100 %



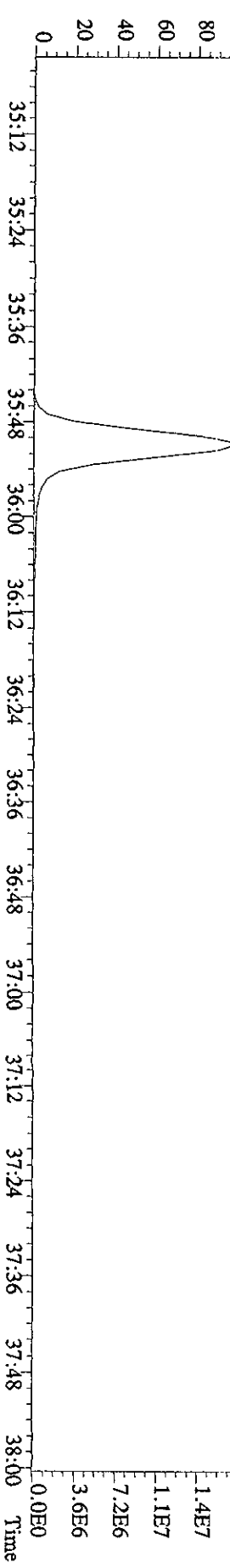
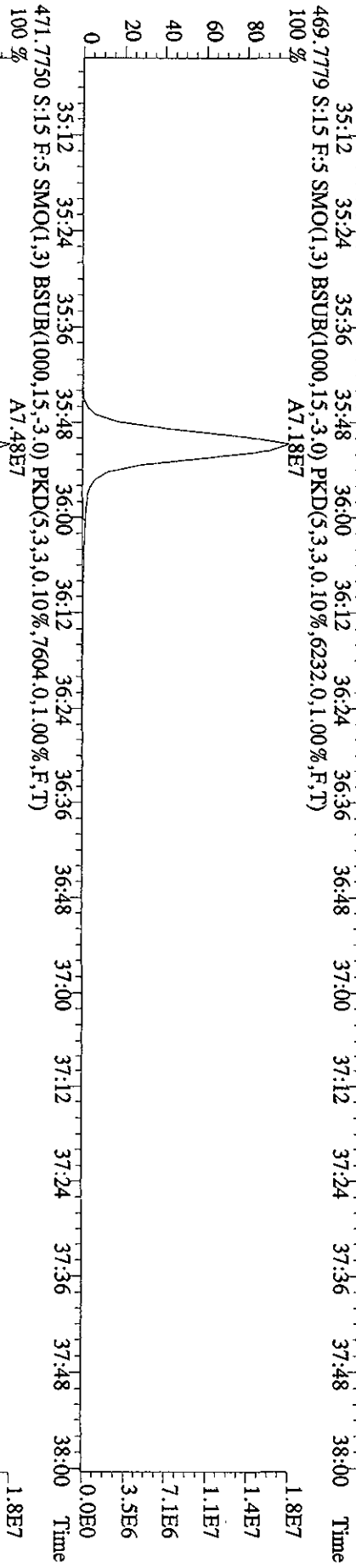
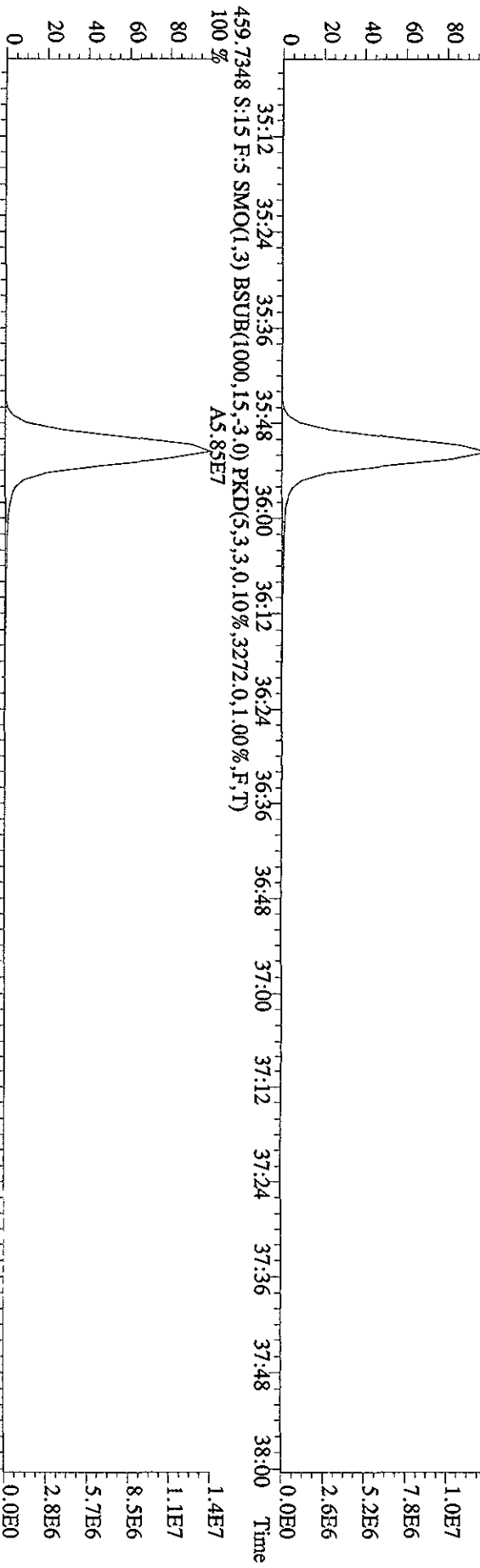
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 Sample#15 Text:ST1007A :CS3 10DXN426 Exp:DIOXINRES
 423.7766 S:15 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8860,0,1,00%,F,T)
 100% A4.66E7



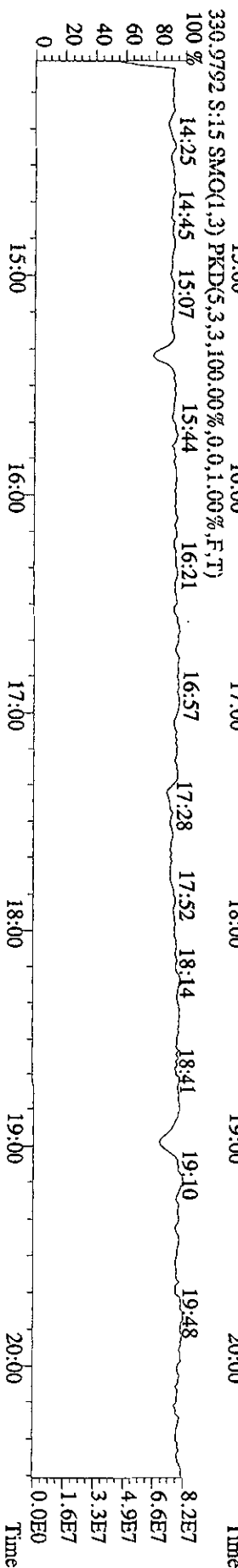
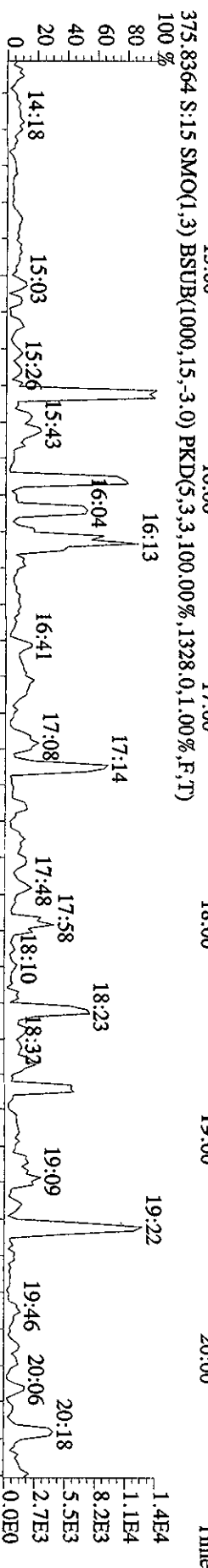
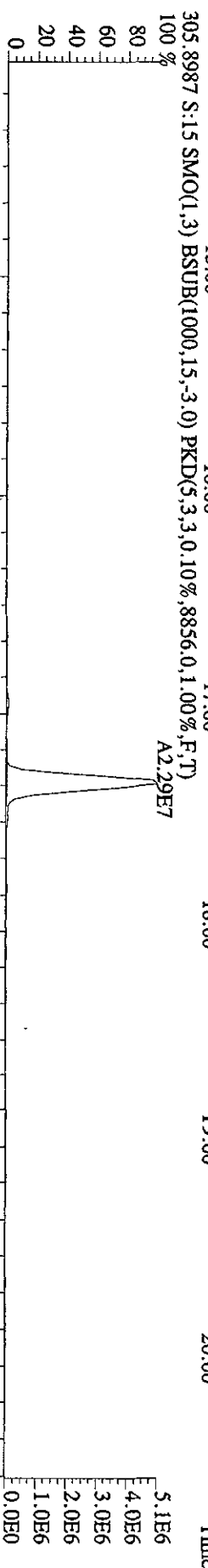
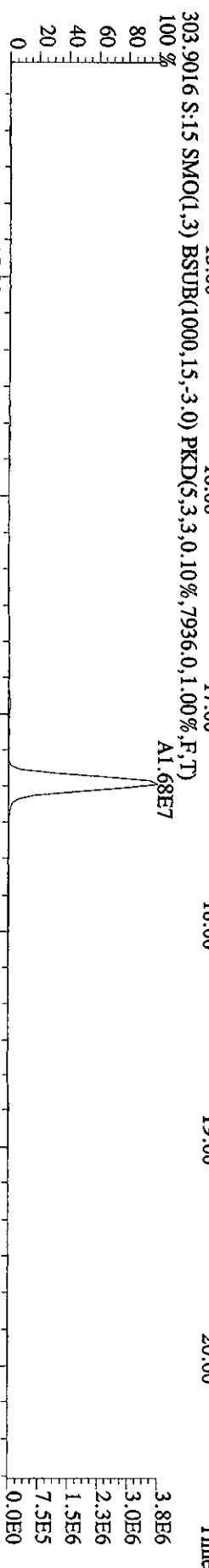
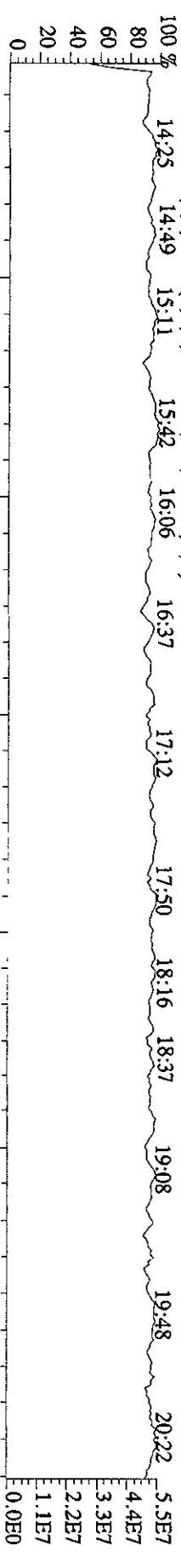
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 Sample#15 Text:ST1007A :CS3 10DXN426 Exp:DIOXINRES
 441.7428 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5356,0.1,00%,F,T)
 A7.64E7

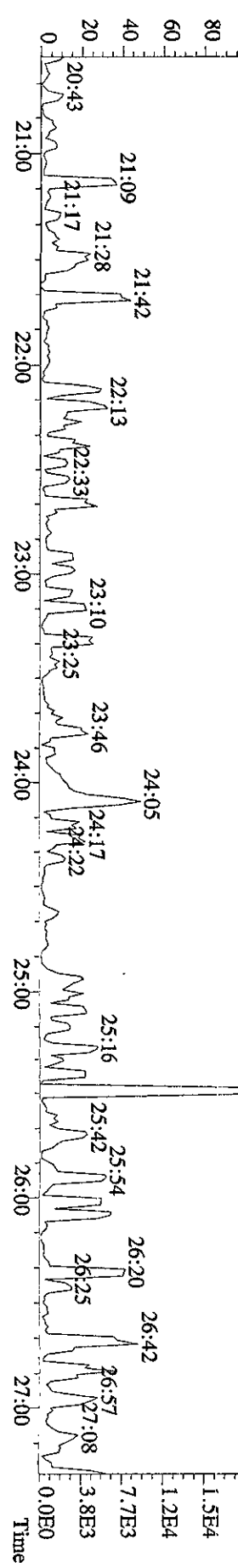
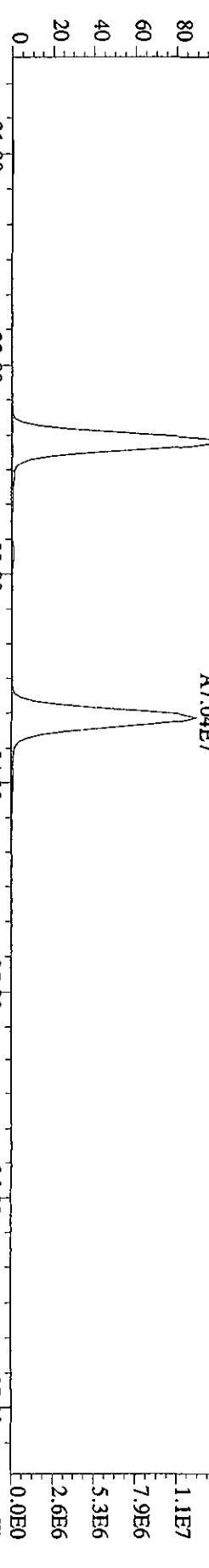
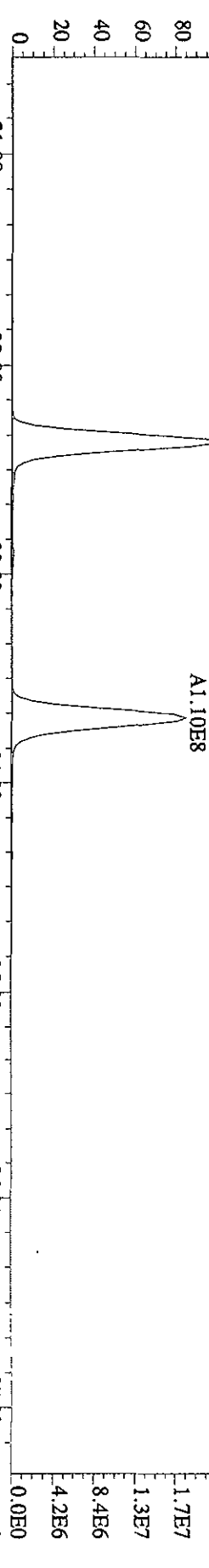
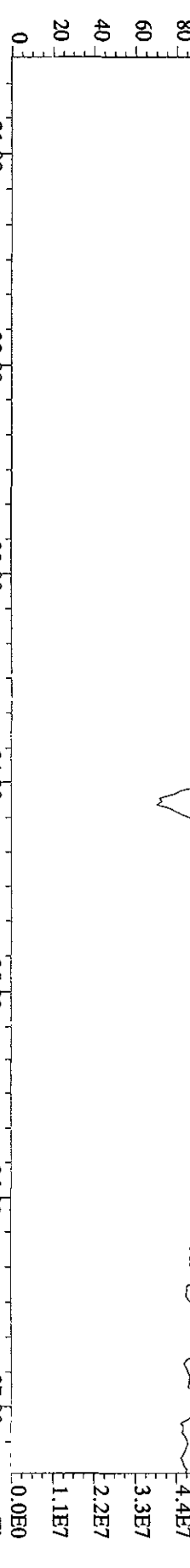


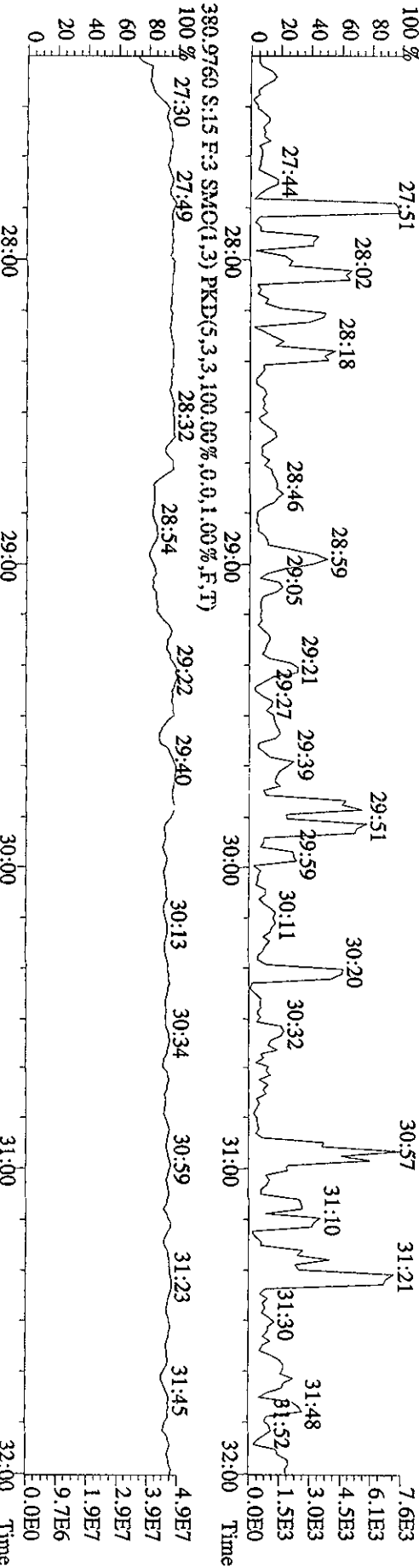
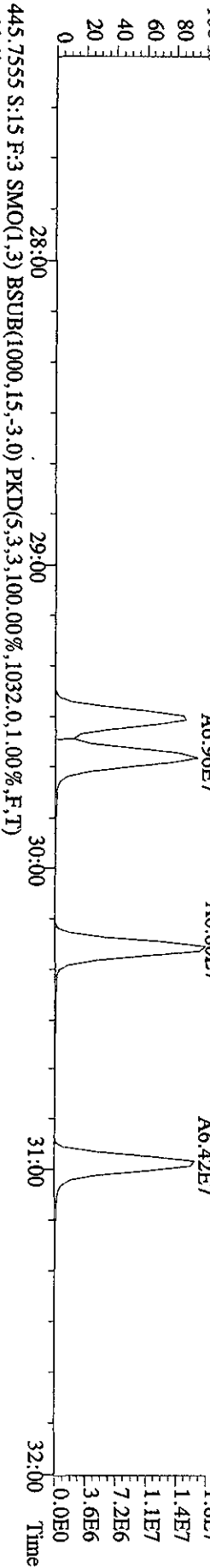
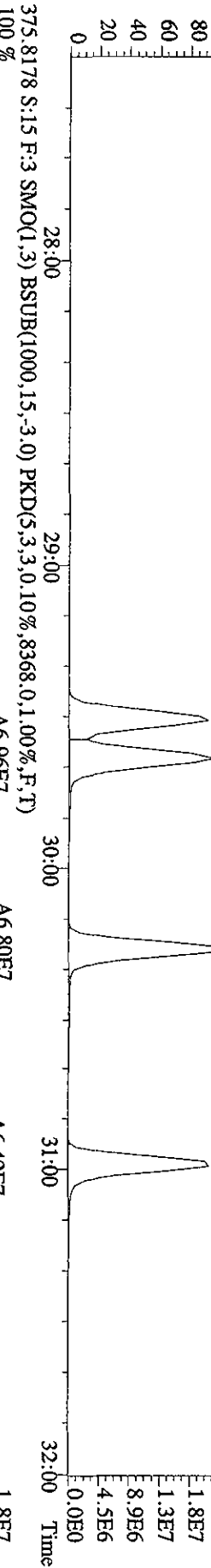
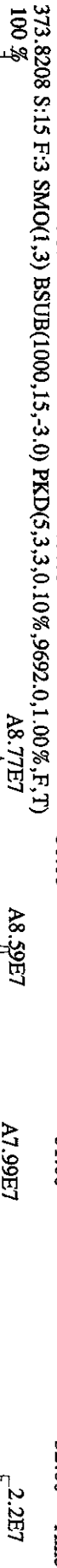
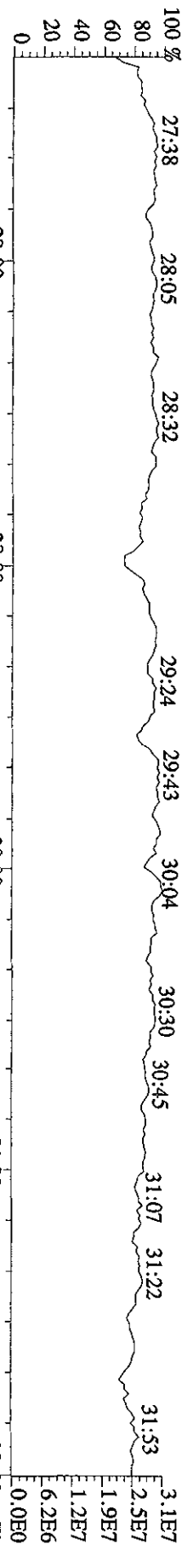
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 457.7377 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5264,0,1.00%,F,T)
 100% A5.31E7

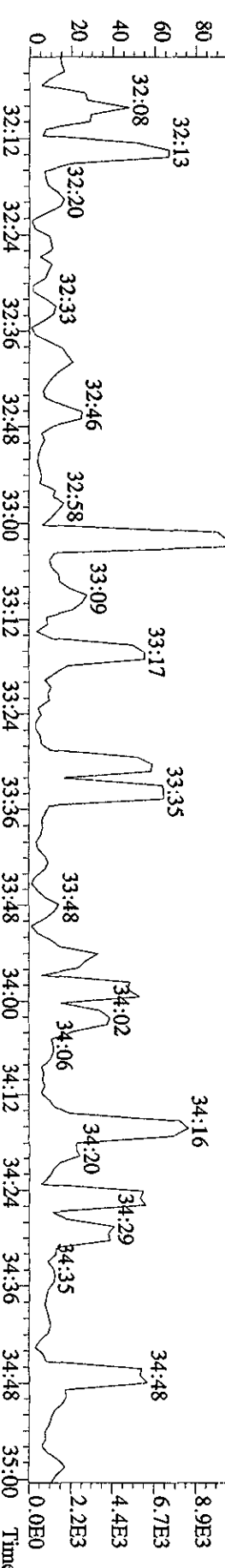
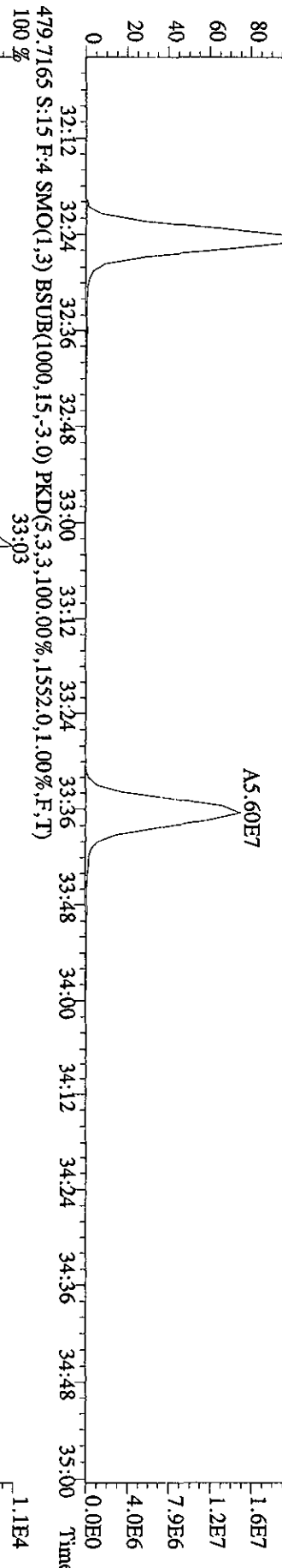
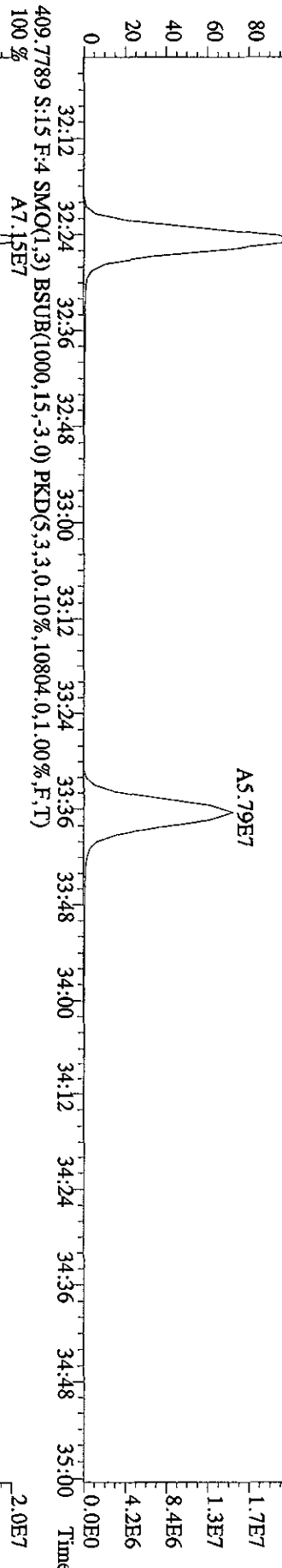
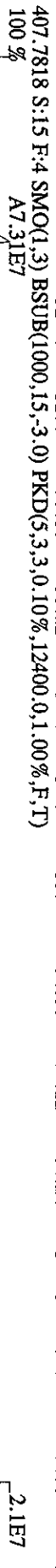
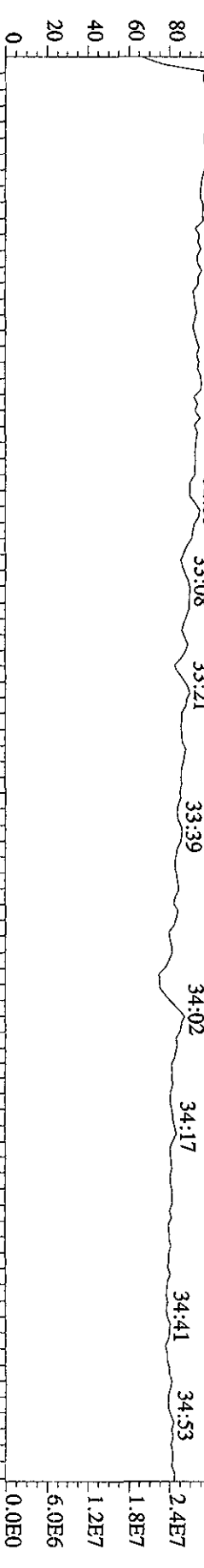


File: 07OC101D5 #1-382 Acq: 7-OCT-2010 21:47:23 GC EI+ Voltage SIR 70SE
 Sample#15 Text: ST1007A :CS3 10DXN426 Exp: DIOXINRES

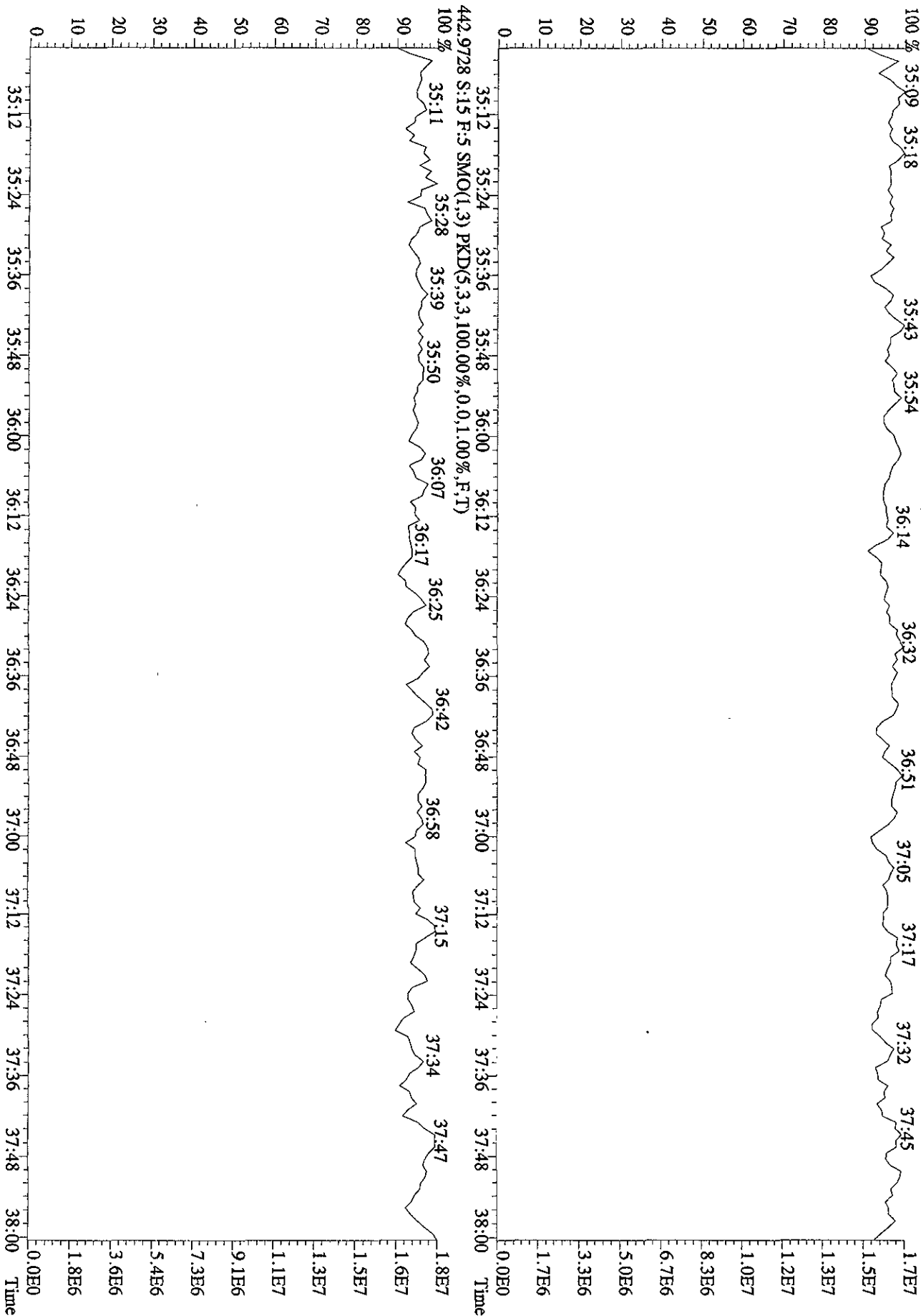




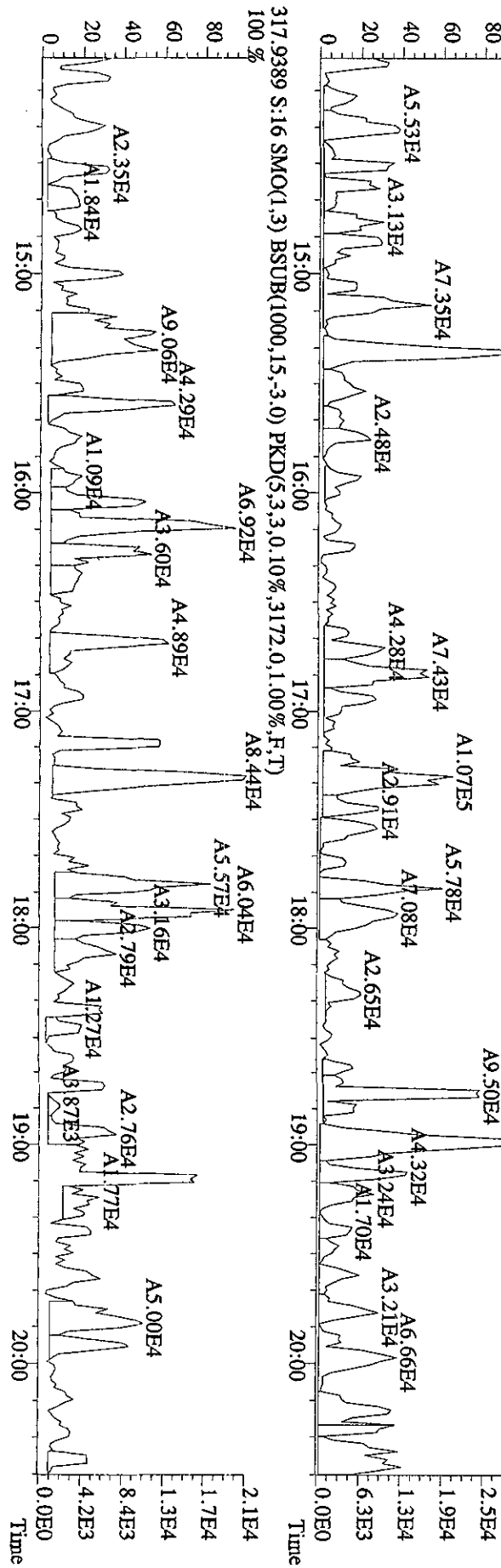
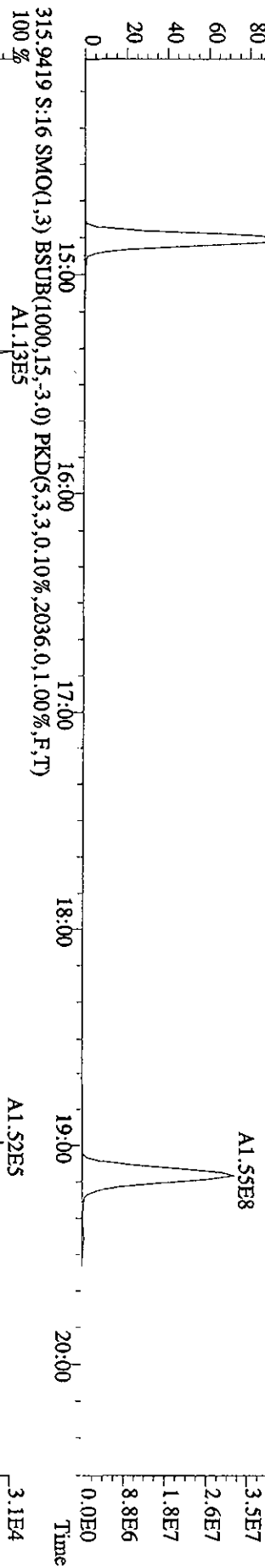
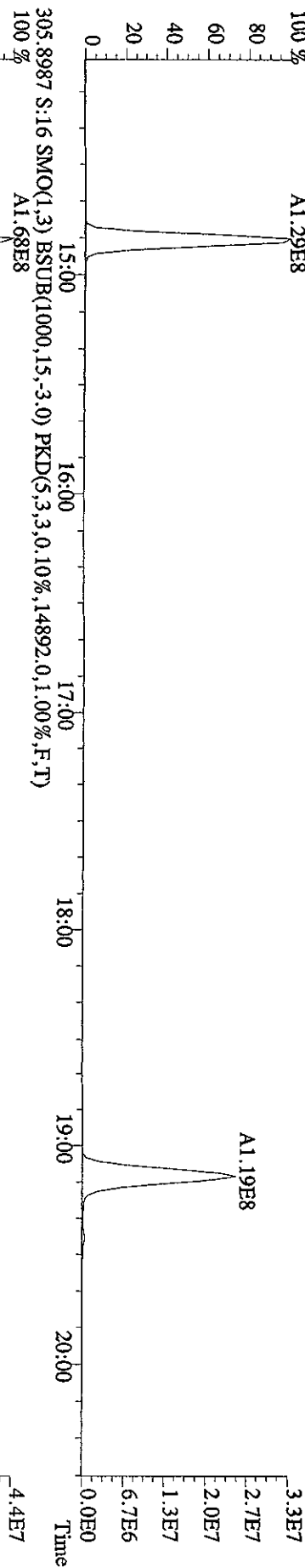




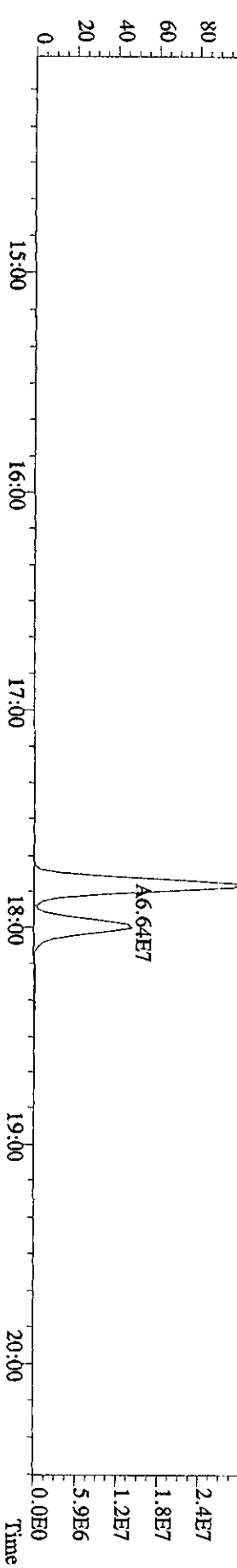
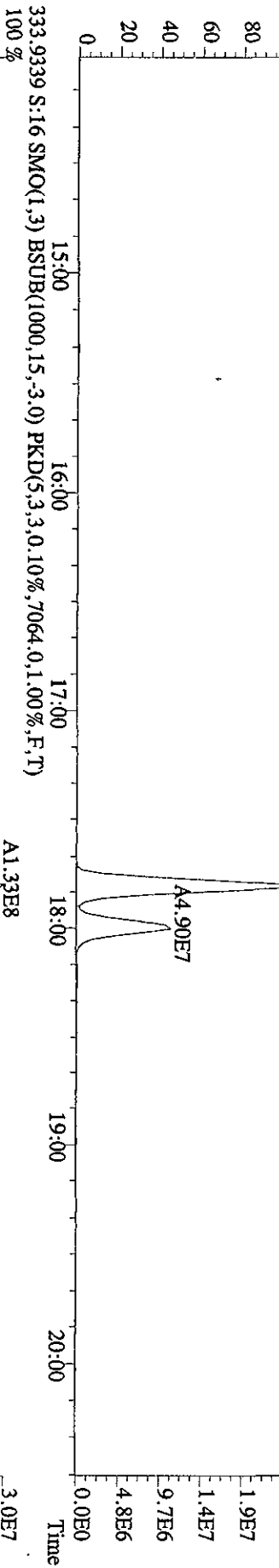
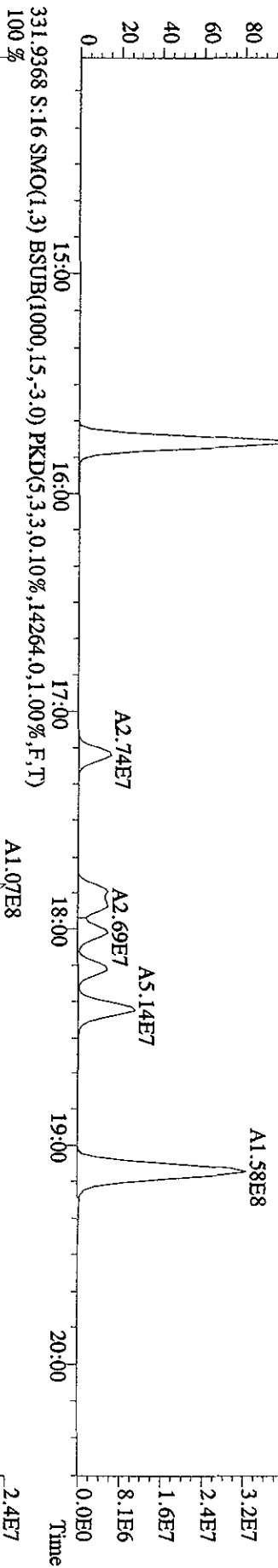
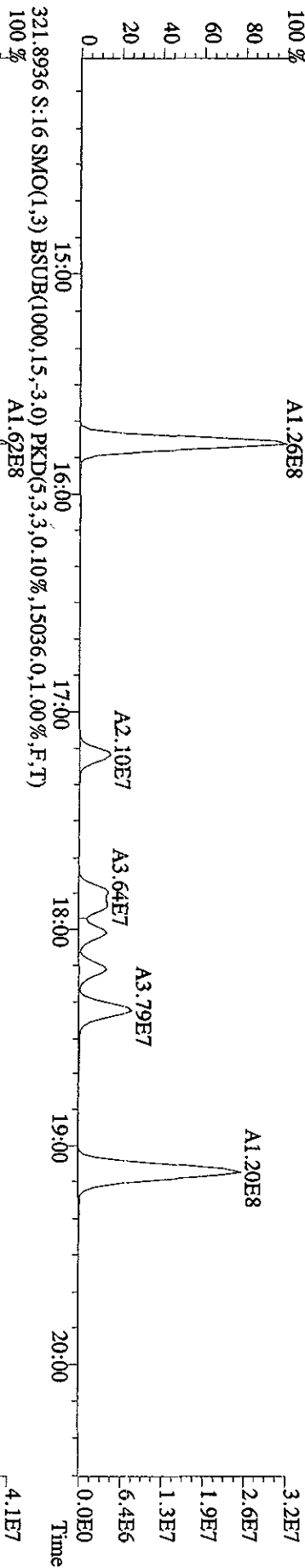
File:07OC101D5 #1-196 Acq: 7-OCT-2010 21:47:23 GC EI+ Voltage SIR 70SE
 Sample#15 Text:ST1007A :CS3 10DXN426 Exp.:DIOXINRES
 454.9728 S:15 F:5 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 35:09 35:18 35:43 35:54 36:14 36:32 36:51 37:05 37:17 37:32 37:45



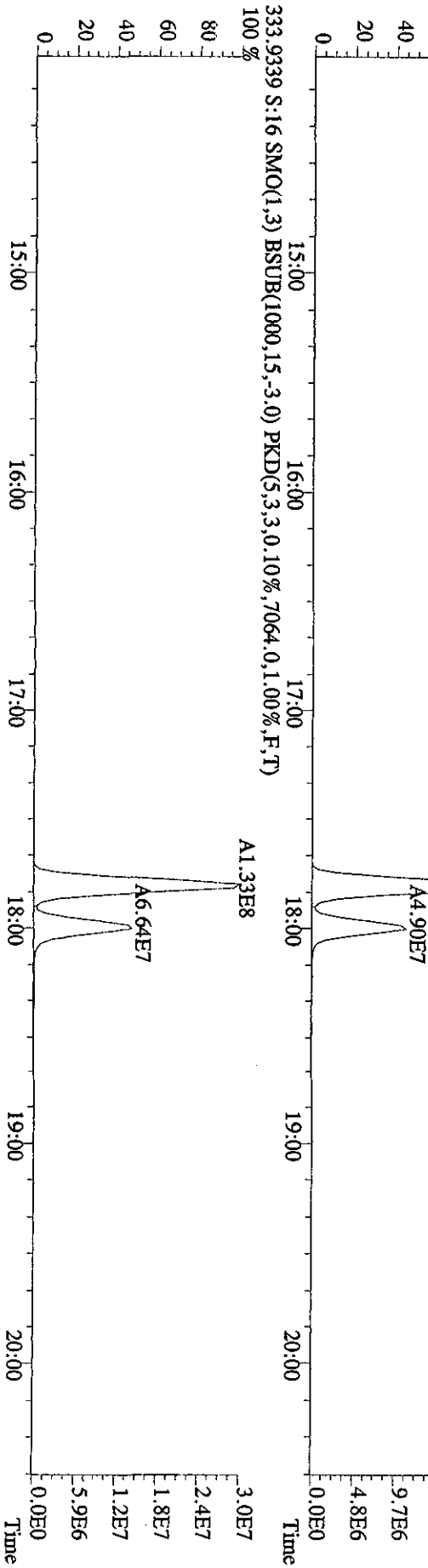
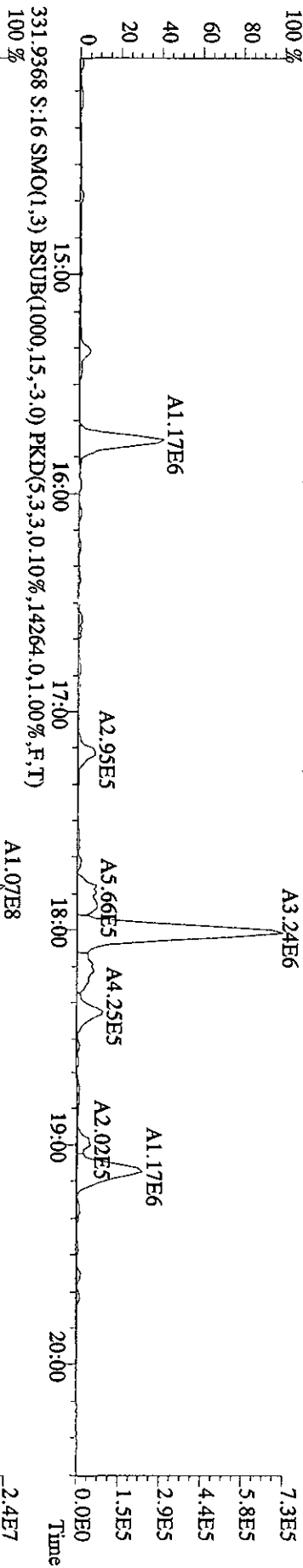
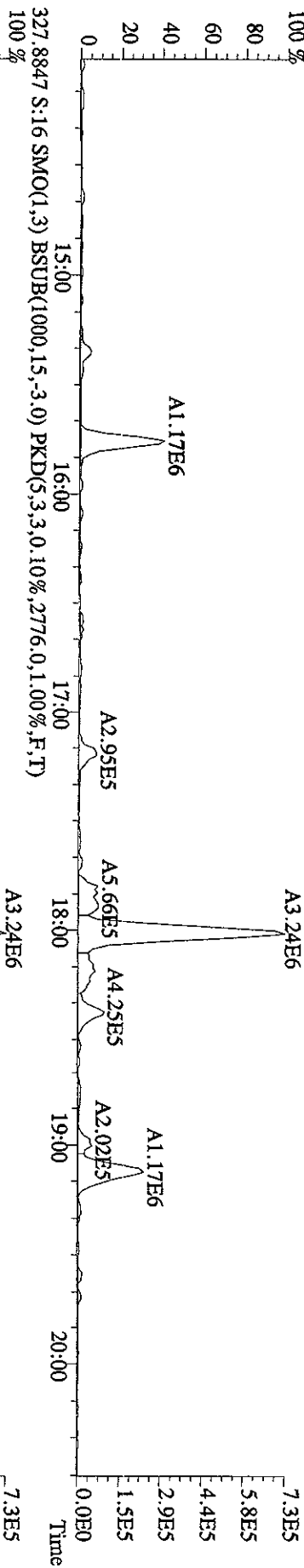
File:07OC101D5 #1-382 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 303.9016 S:16 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,0,10%,8444.0,1.00%,F,T)
 100% A1.29E8



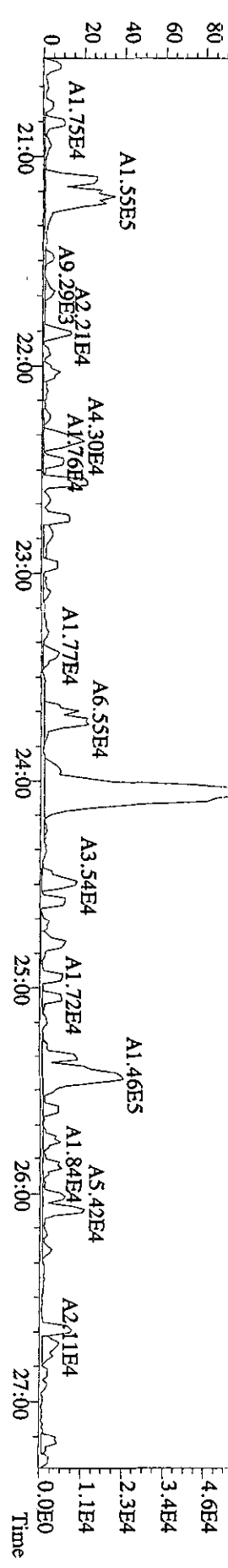
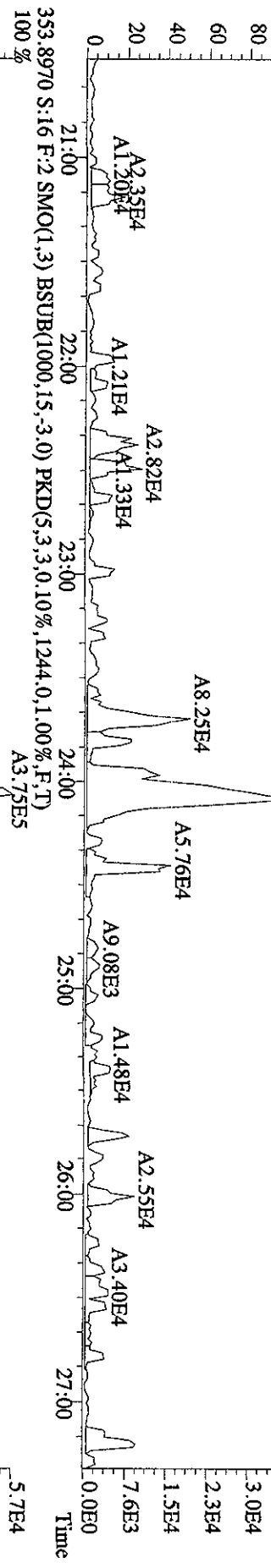
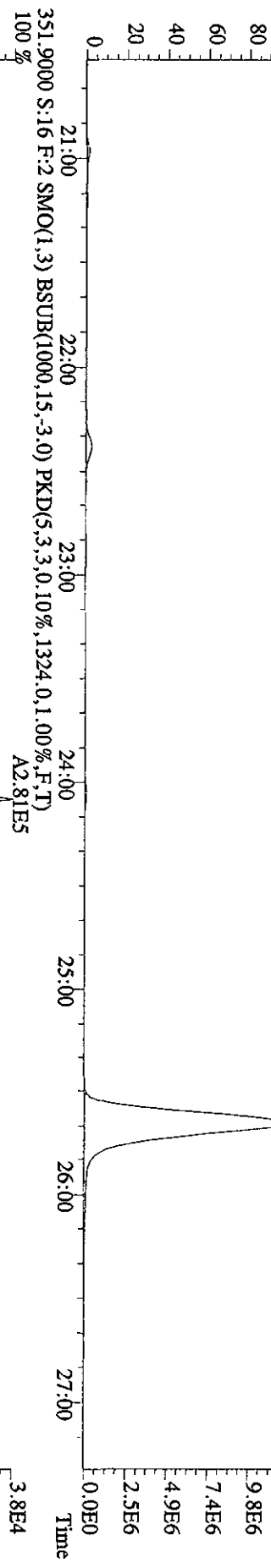
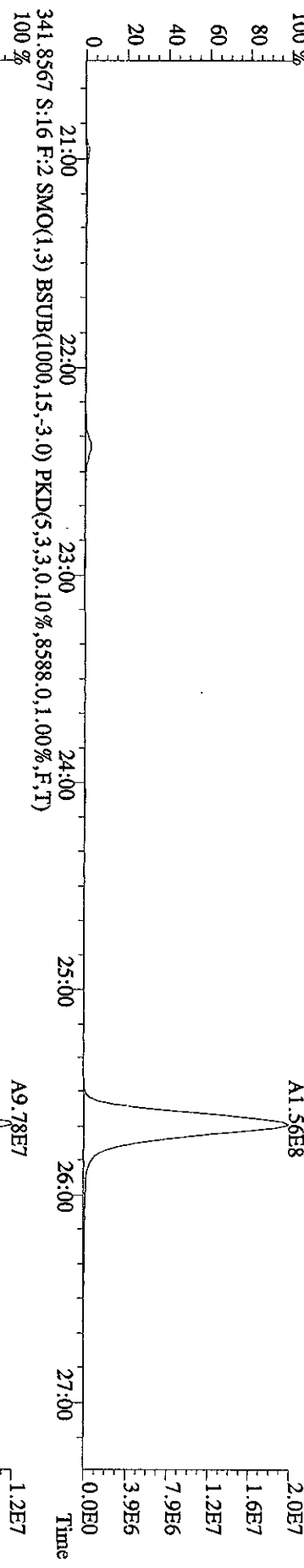
File:07OC101D5 #1-382 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CP5M 3732-09 Exp:DIOXINRES
 319.8965 S.:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6816,0,1,100%,F,T)
 100% A1.26E8



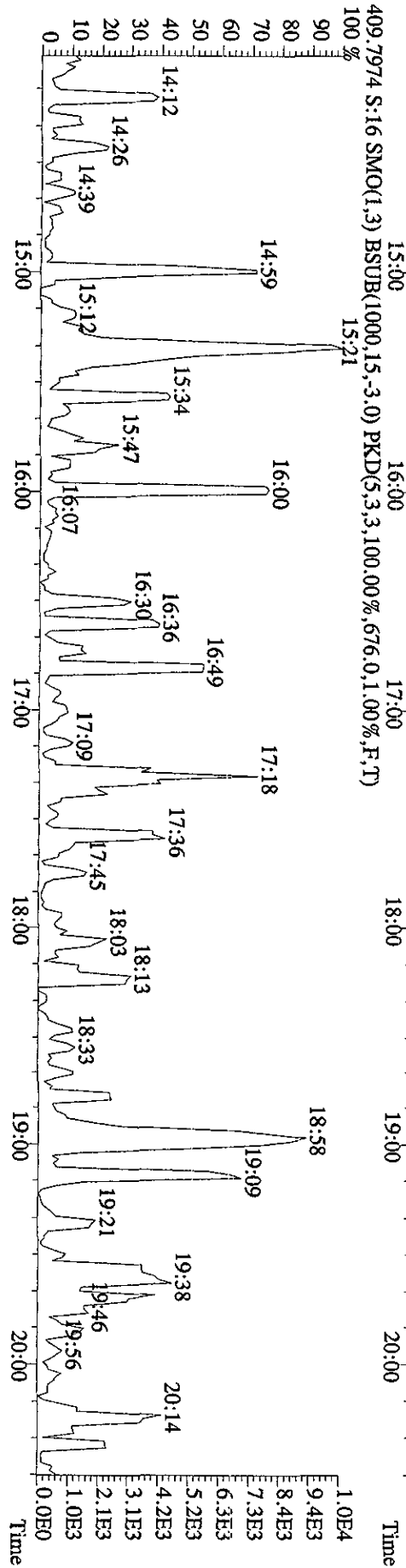
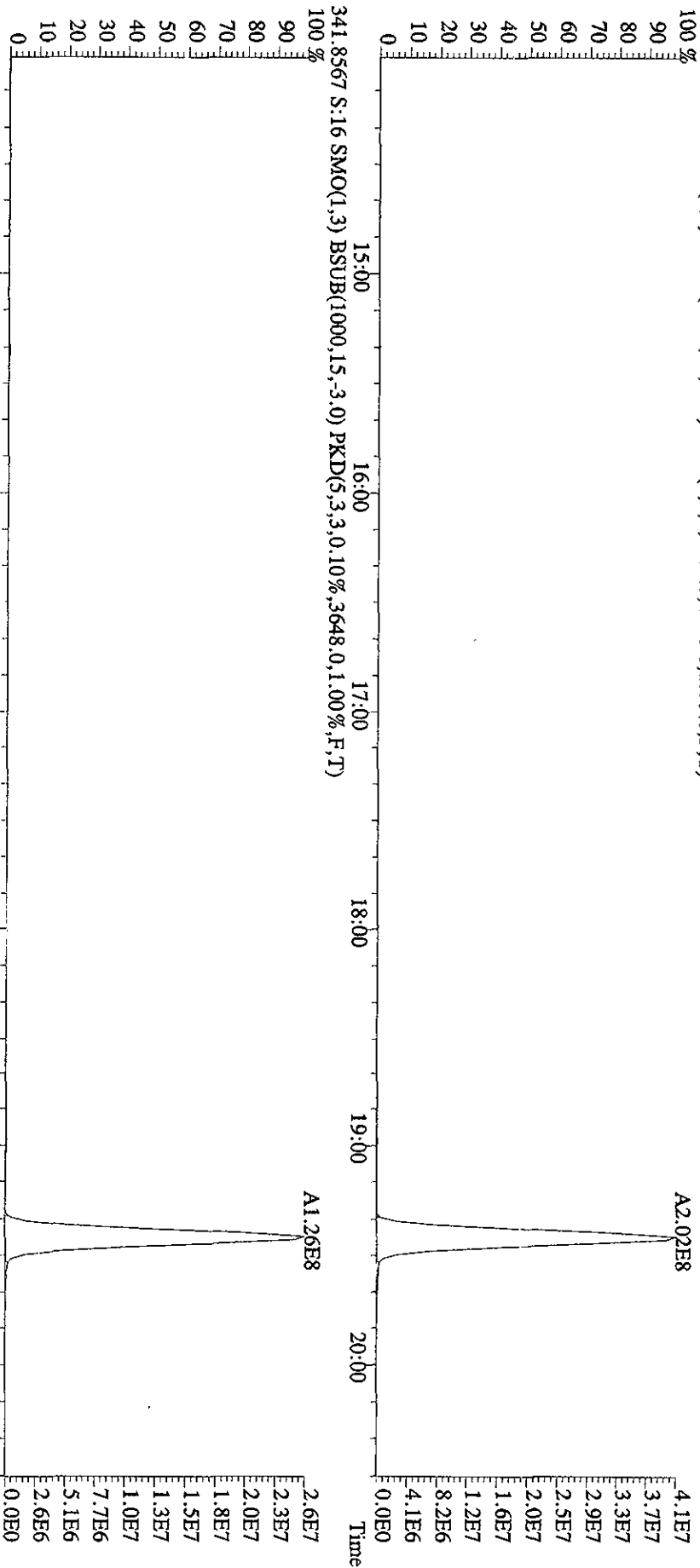
File:070C101D5 #1-382 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CFSM 3732-09 Exp:DIOXINRES
 327.8847 S:16 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2776,0,1,00%,F,T)
 100 %



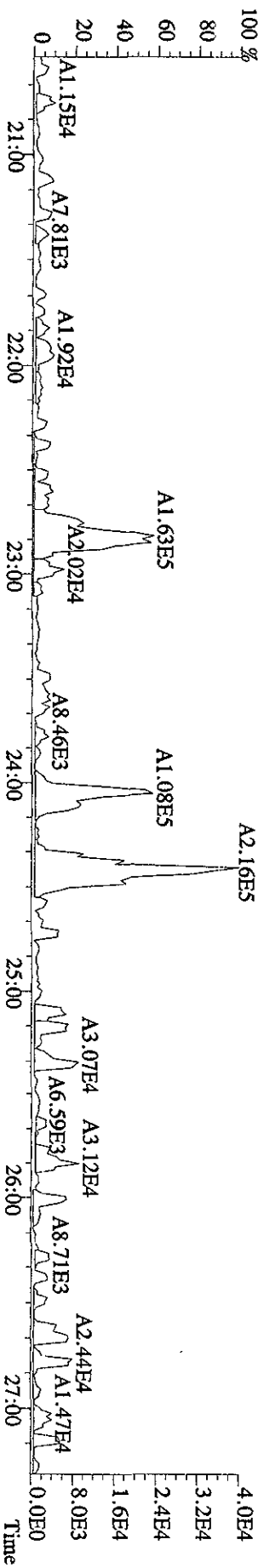
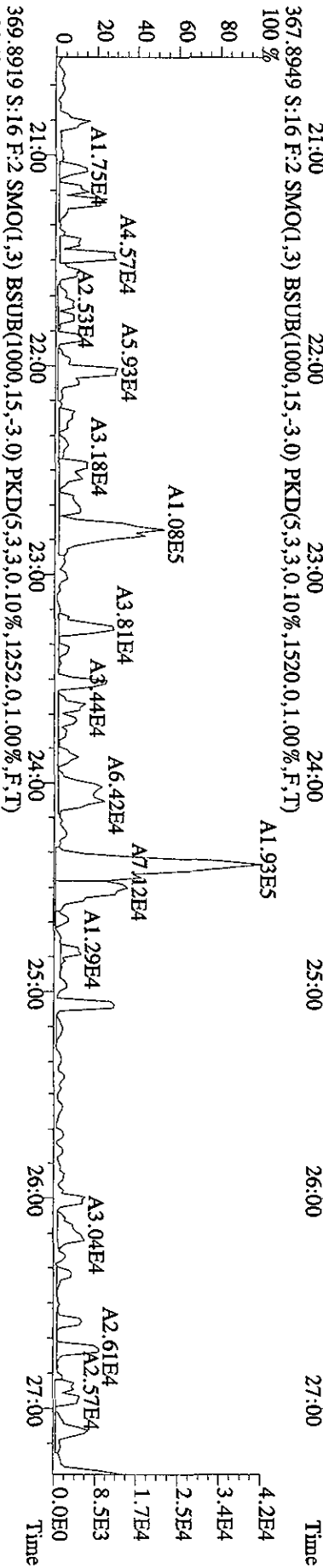
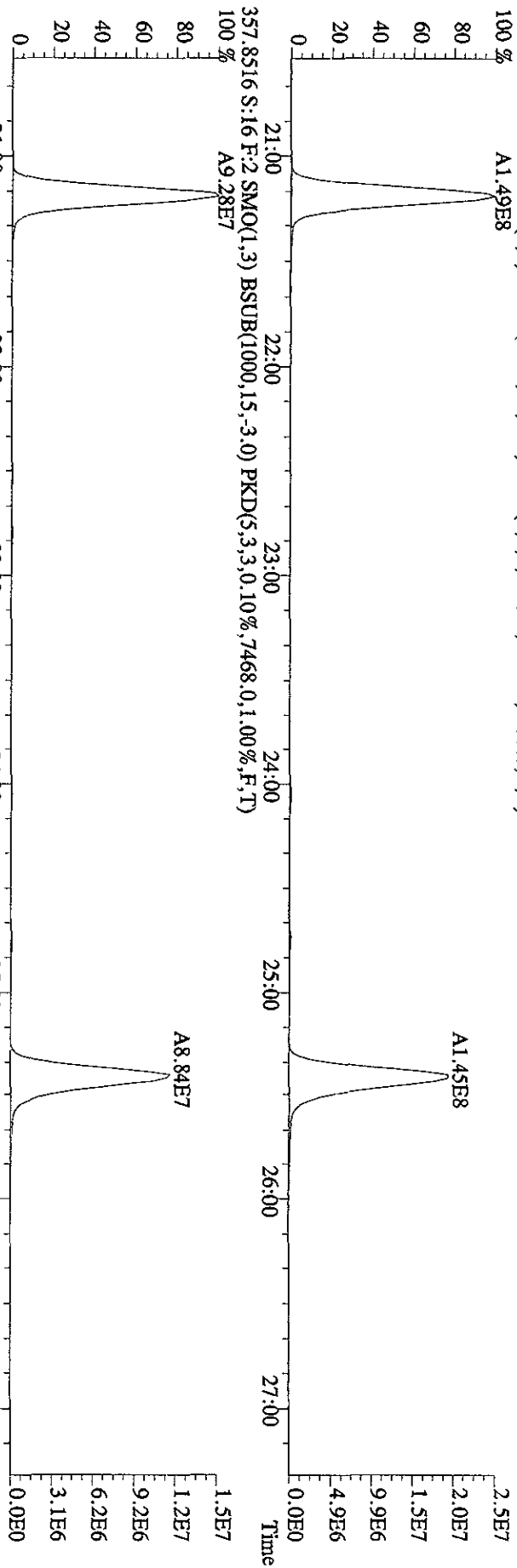
File:07OC101D5 #1-423 Acq: 7-OCT-2010 22:32:51 GC EI + Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CPISM 3732-09 Exp:DIOXINRES
 339.8597 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7028,0,1,00%,F,T)
 100 %



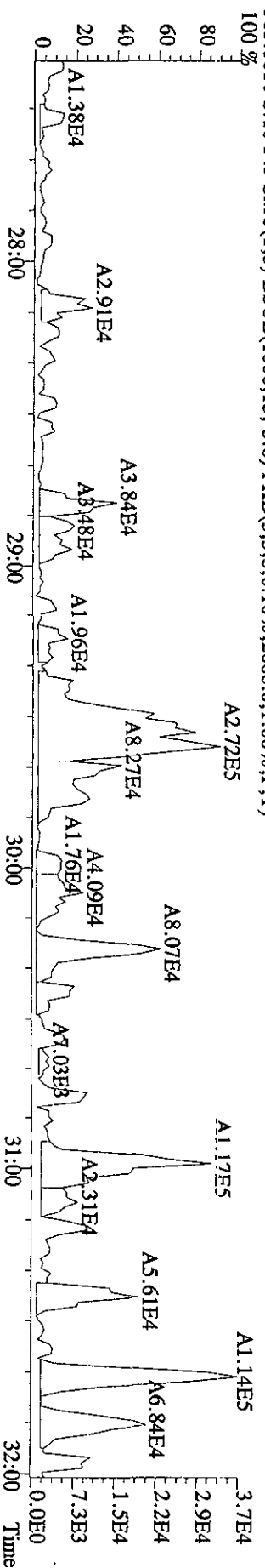
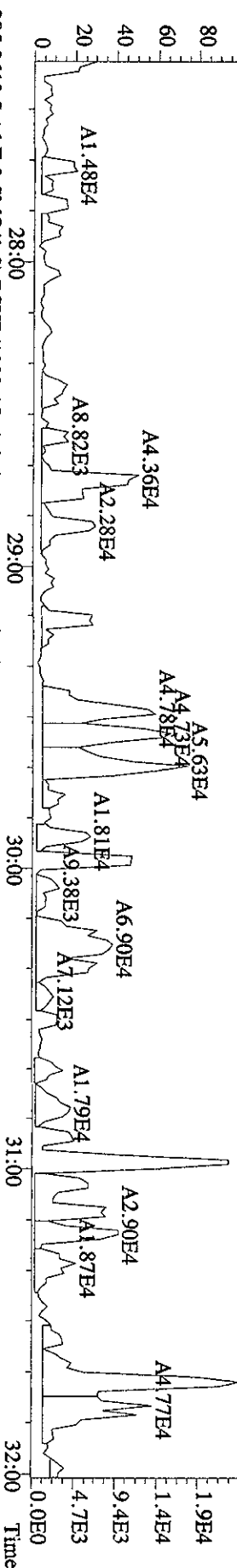
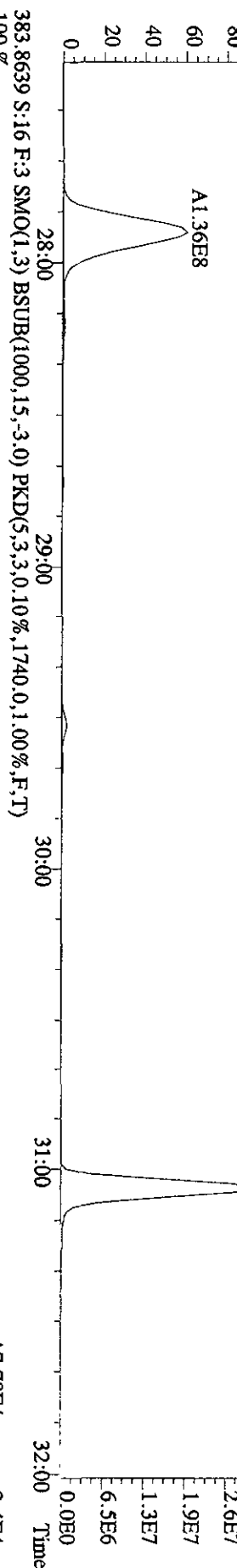
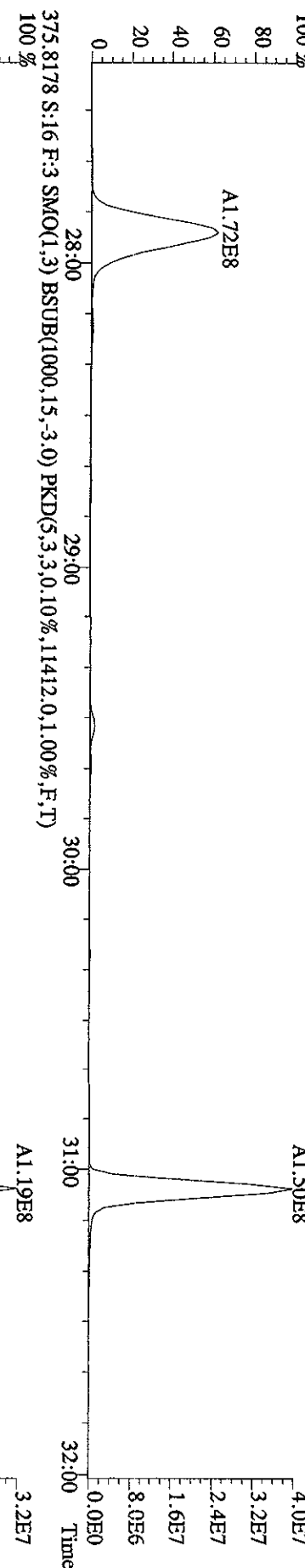
File:070C101D5 #1-382 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 339,8597 S:16 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3648,0,1,00%,F,T)
 100%



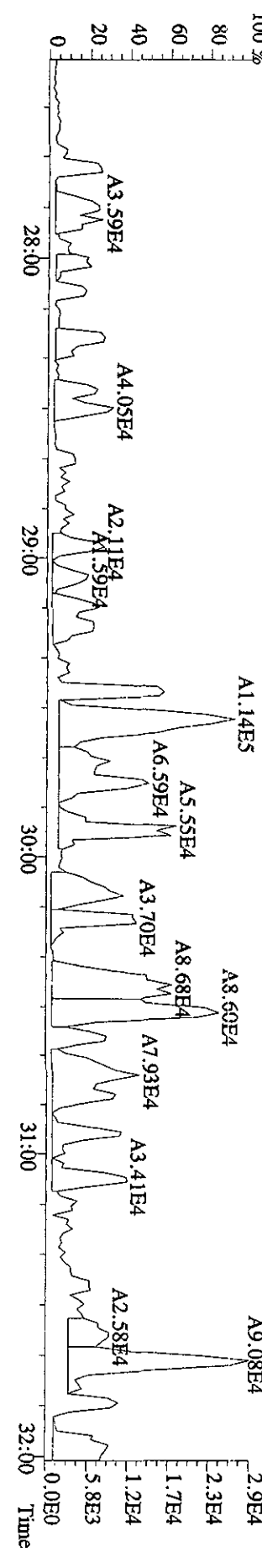
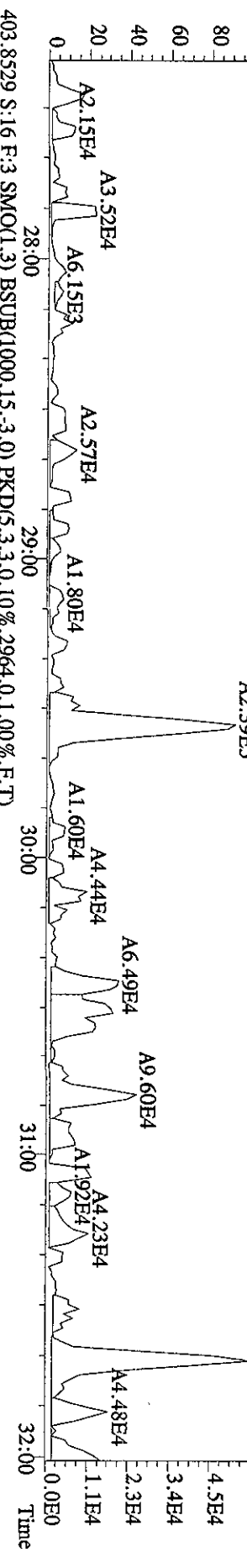
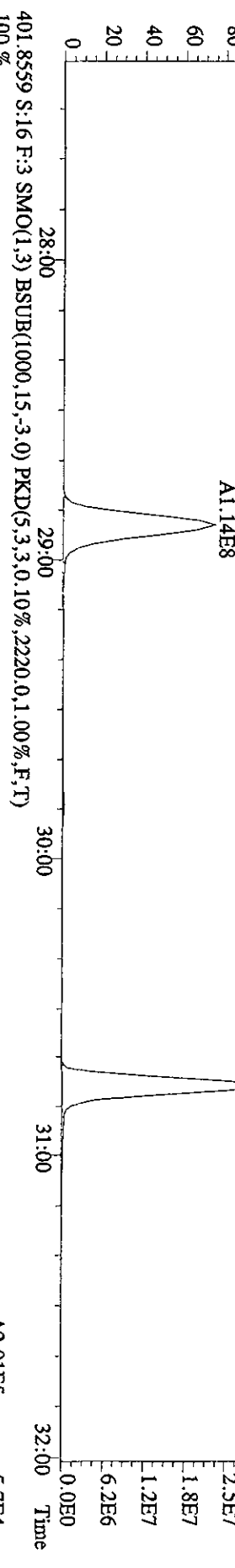
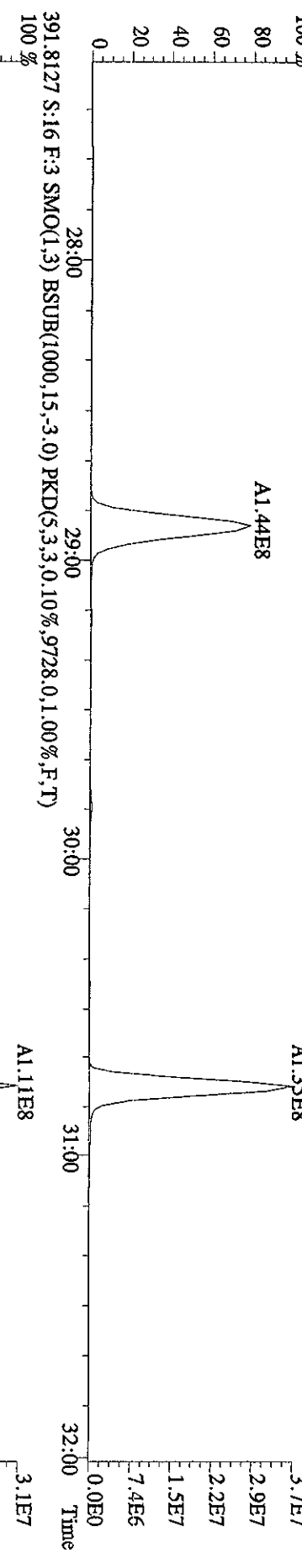
File:07OCT101D5 #1-423 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CP5M 3732-09 Exp.:DIOXINES
 355.8546 S:16 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6448,0,1.00%,F,T)
 100 % A1.49E8



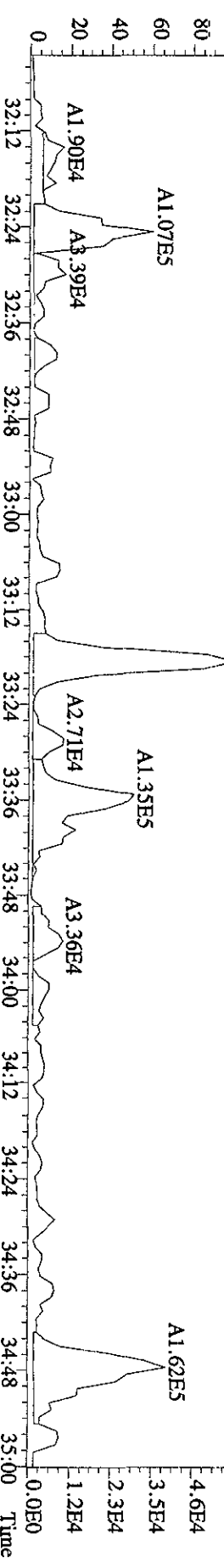
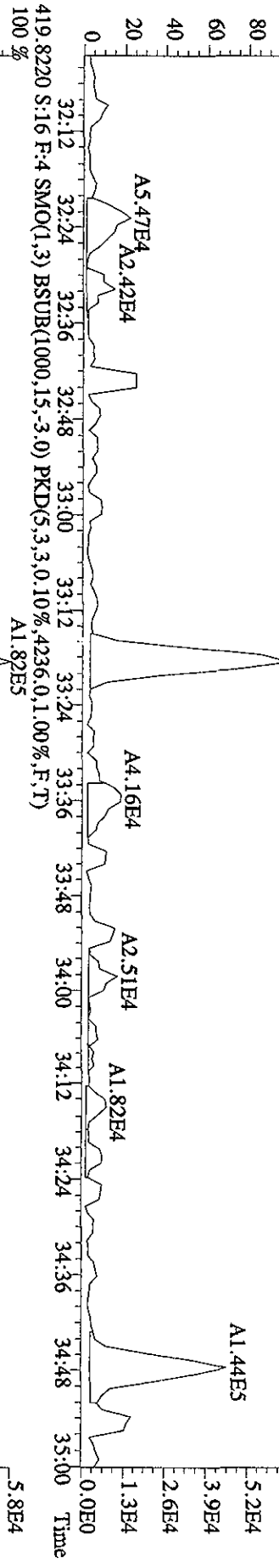
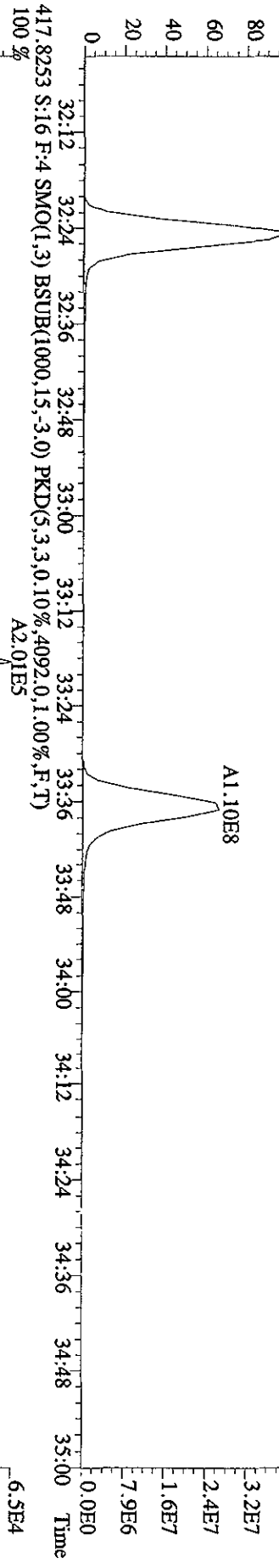
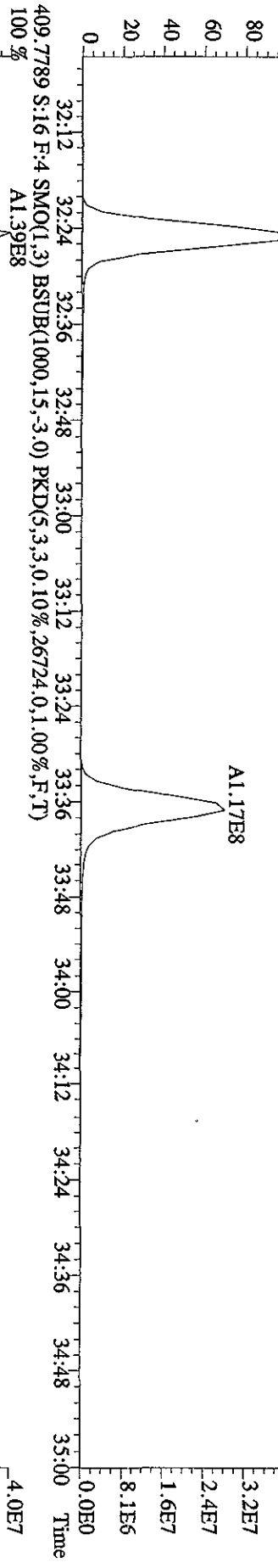
File:07OC10ID5 #1-301 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 373.8208 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,20924,0,1,00%,F,T)

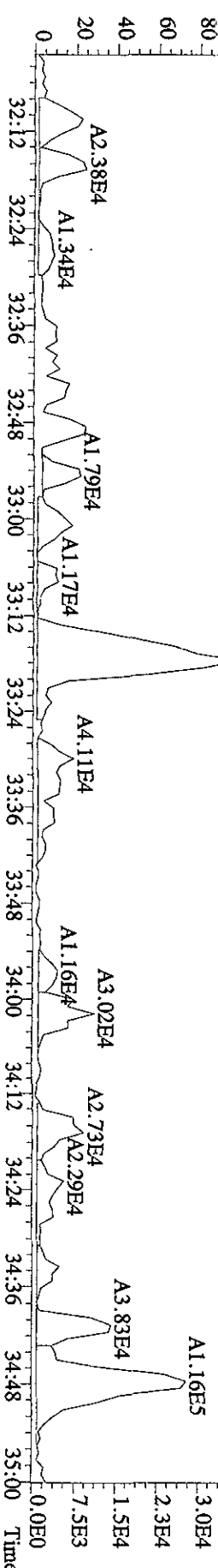
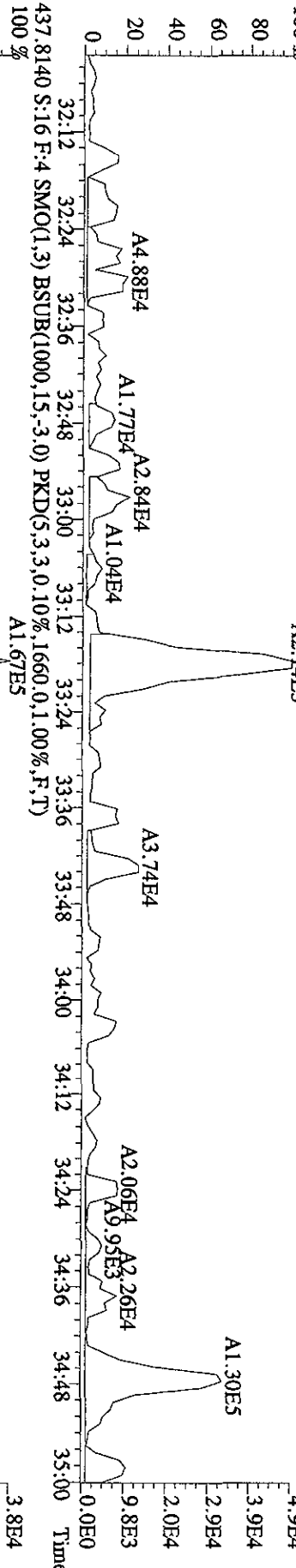
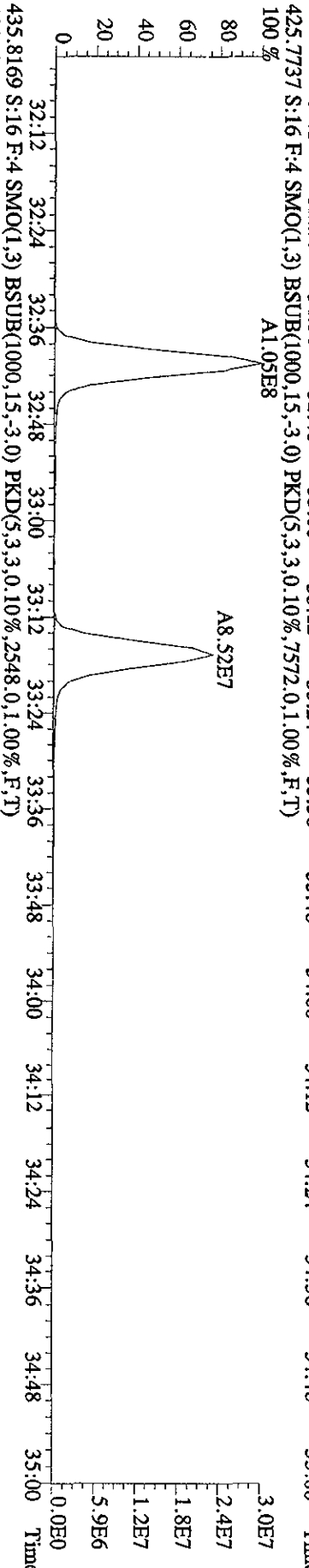
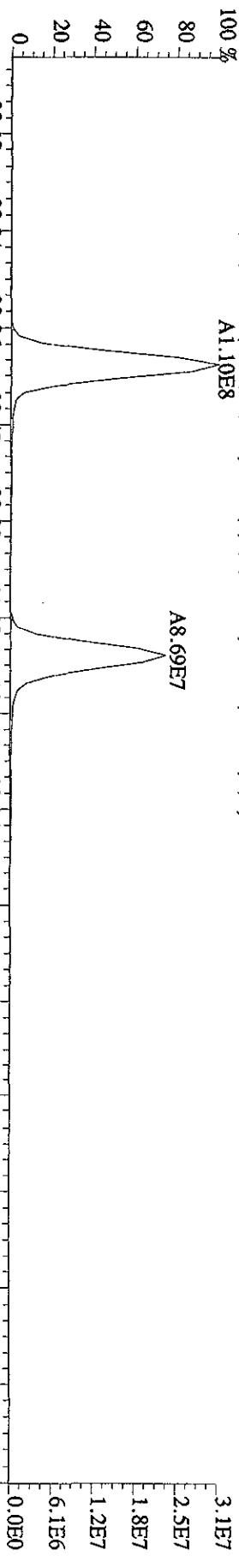


File:07OC101D5 #1-301 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CP5M 3732-09 Exp:DIOXINRES
 389 8157 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7336,0,1,00%,F,T)

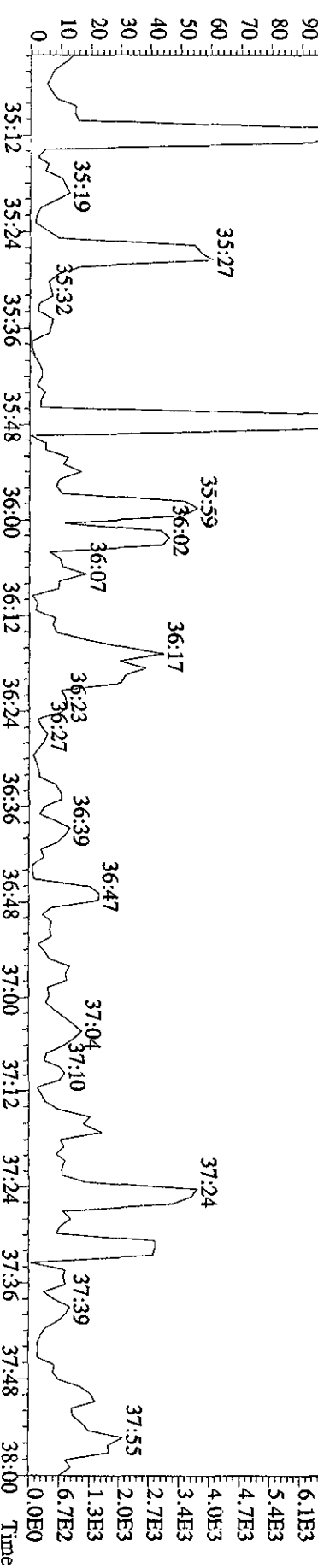
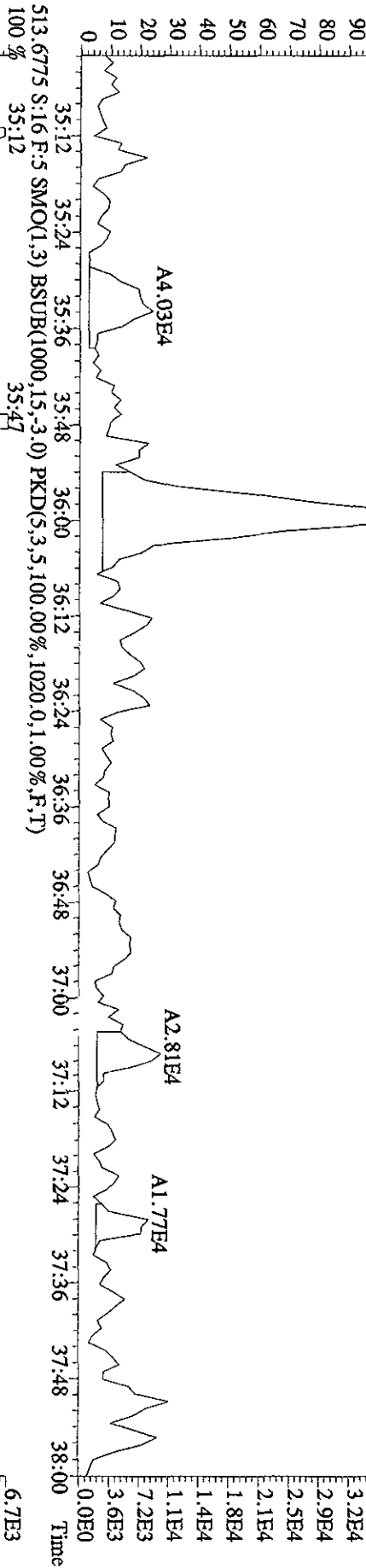
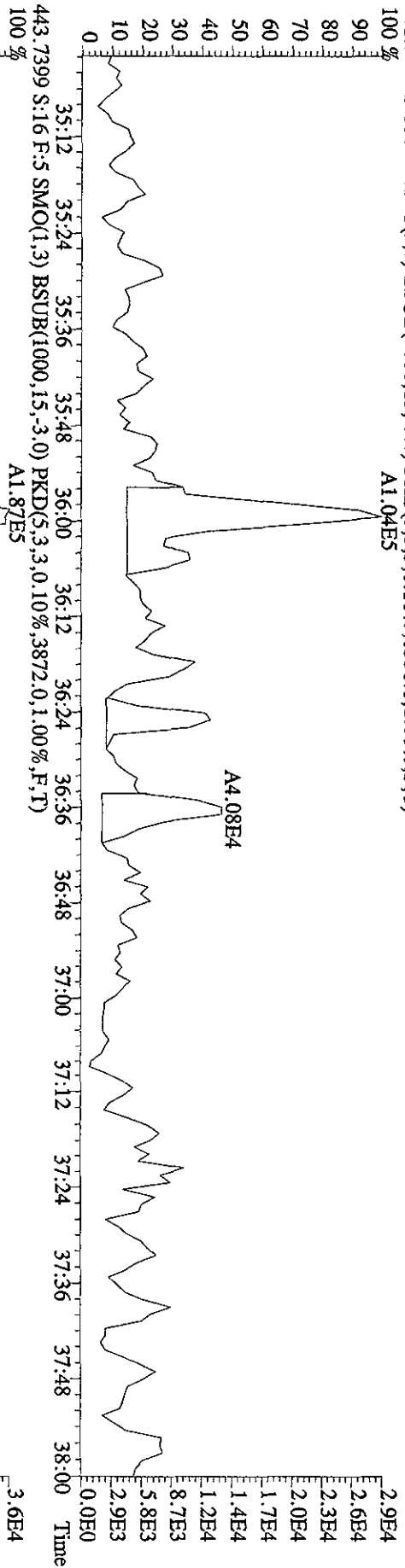


Sample#16 Text:CP1007 :DB-5 CPM 3732-09 Exp:DIOXINRES
407.7818 S:16 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32688,0.1,00%,F,T)
100 % A1.45E8

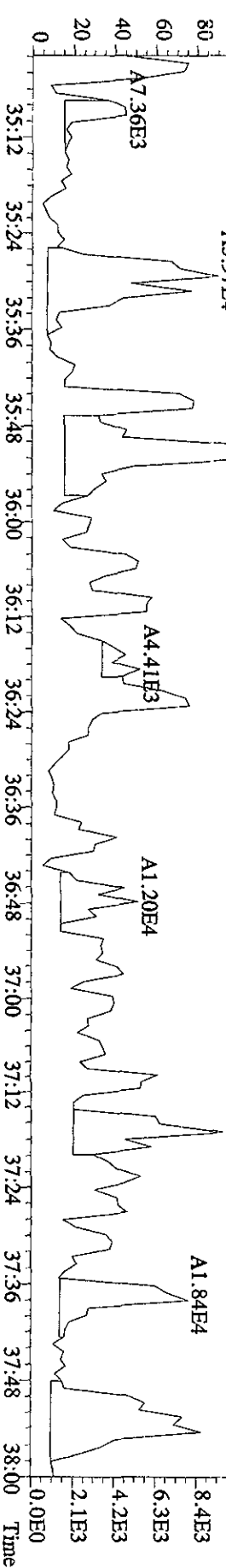
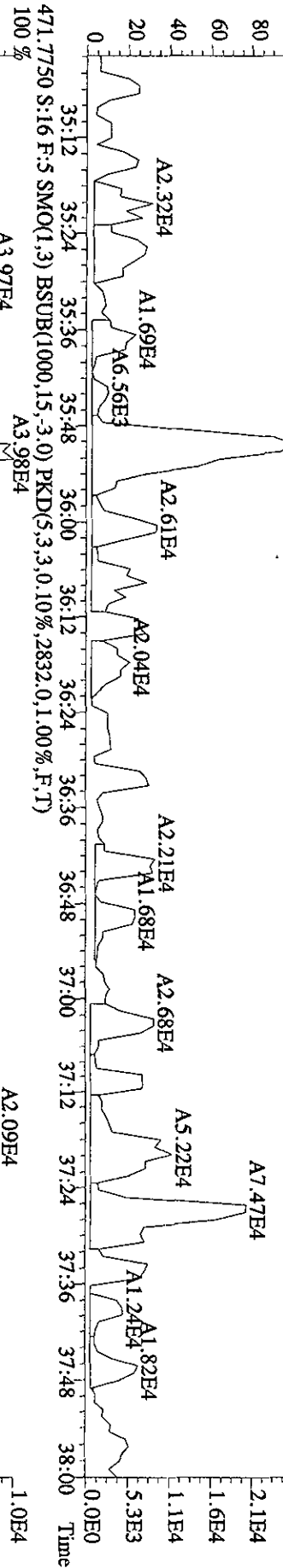
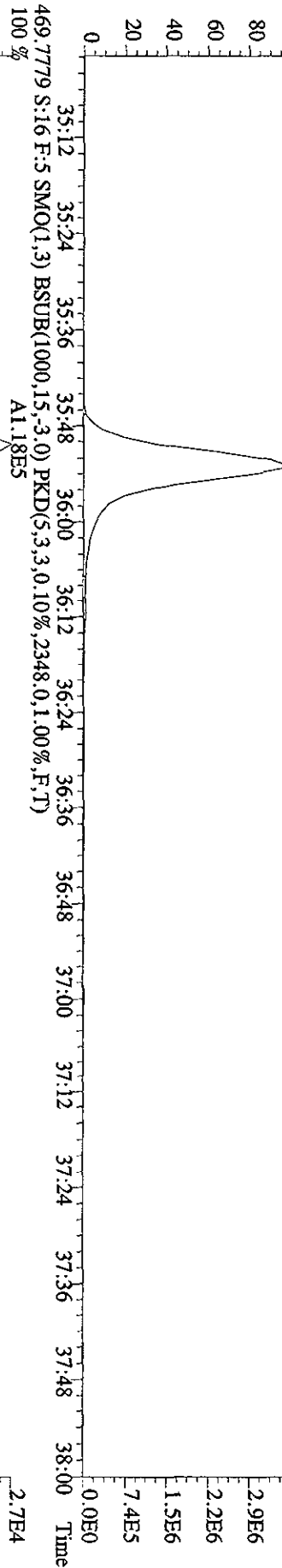
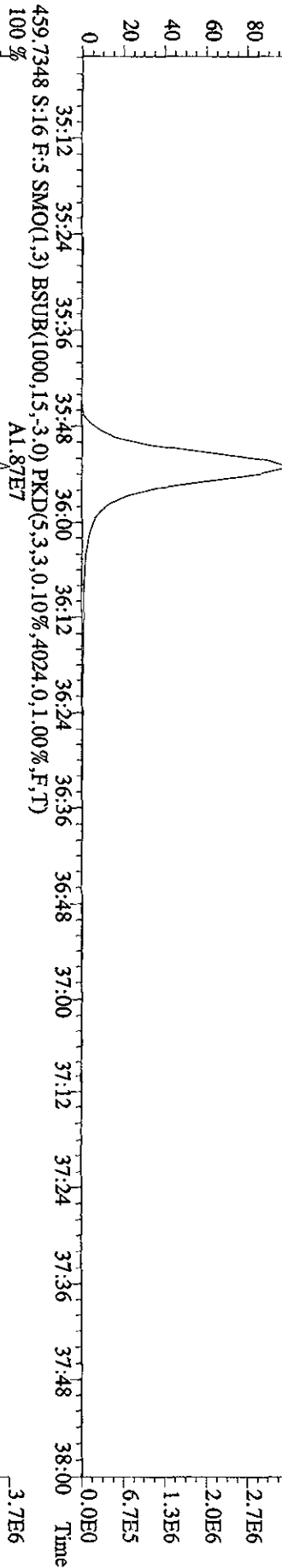




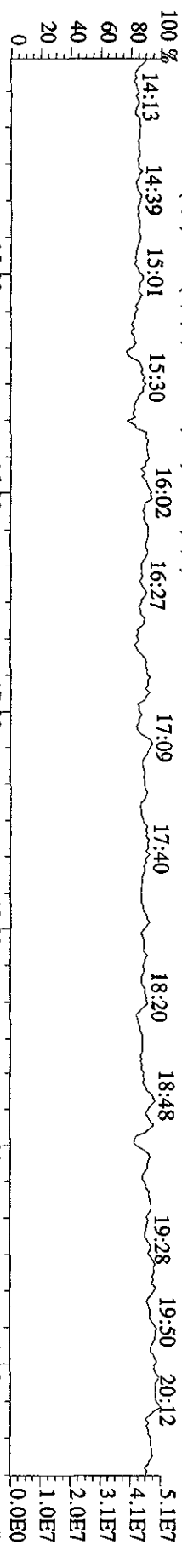
File:07OC101D5 #1-196 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 441.7428 S:16 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(S,3,3,0.10%,6556,0.1,00%,F,T)
 100%



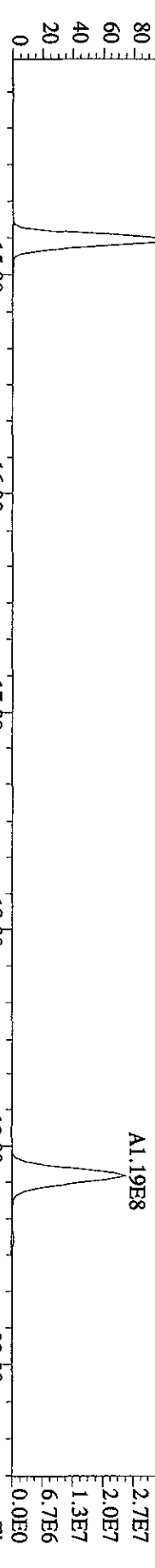
File:070C101D5 #1-196 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CPISM 3732-09 Exp:DIOXINES
 457.7377 S:16 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3592.0,1.00%,F,T)
 100% A1.69E7



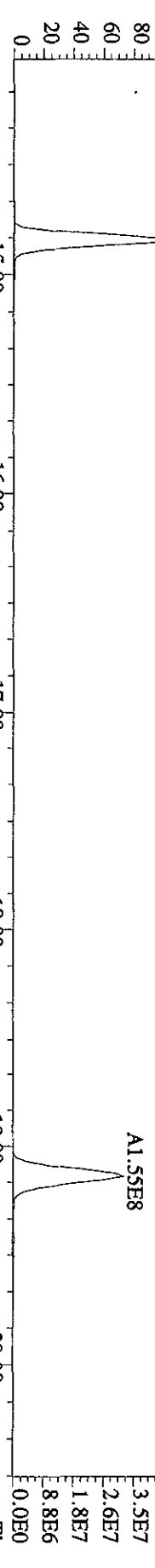
File:070C101D5 #1-382 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CPM 3732-09 Exp:DIOXINRES
 292.9825 S:16 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



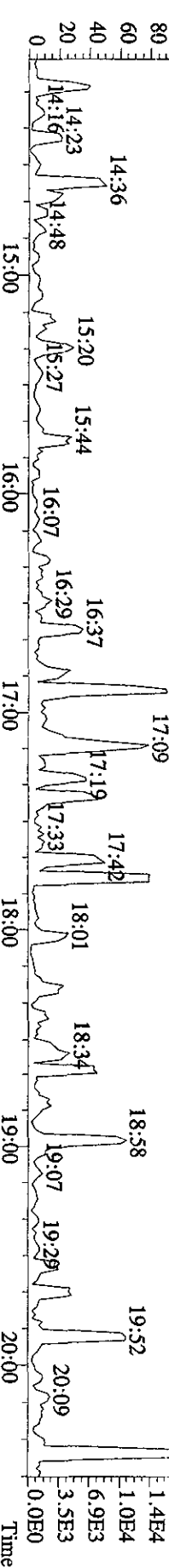
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8444.0,1.00%,F,T)
 A1.29E8



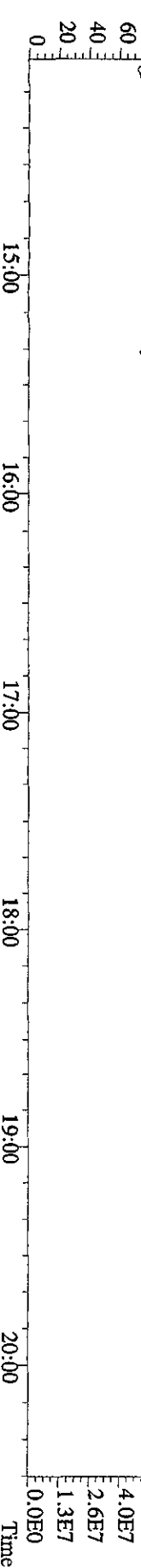
305.8987 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14892.0,1.00%,F,T)
 A1.68E8



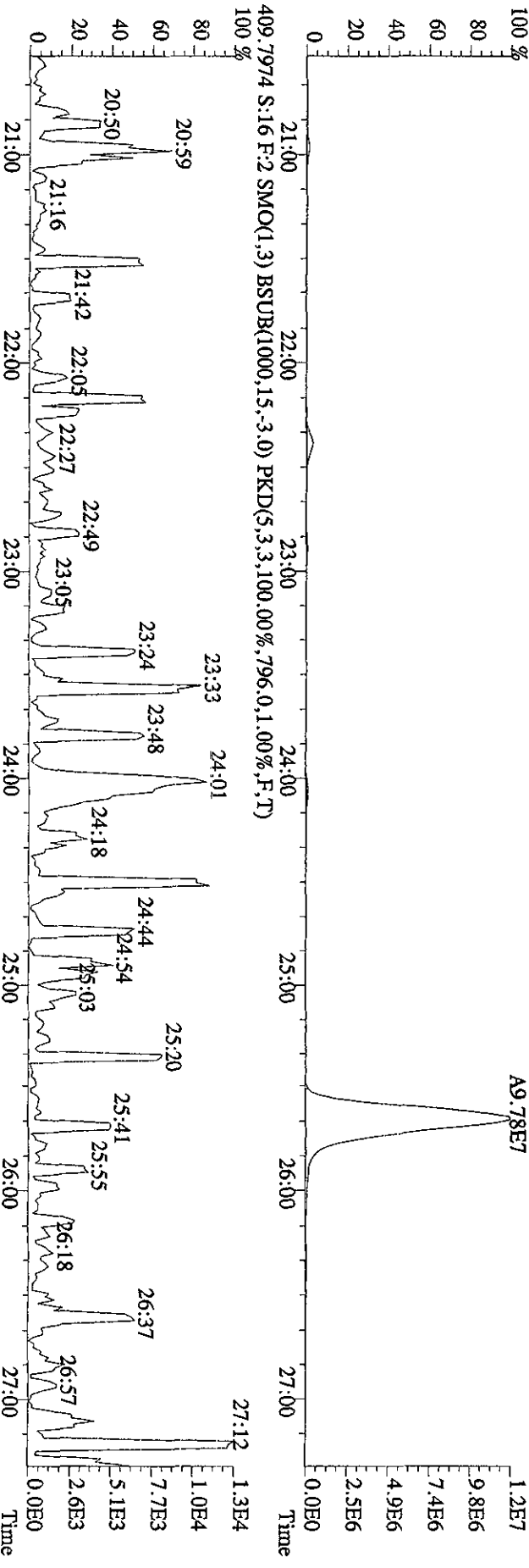
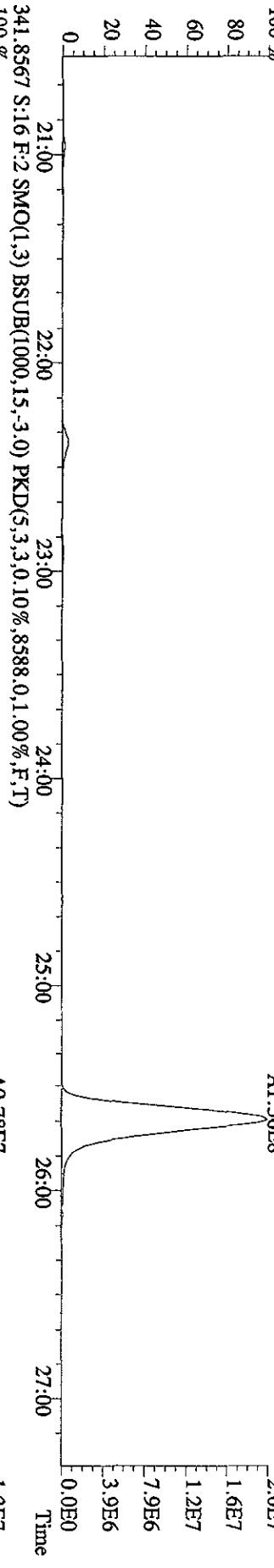
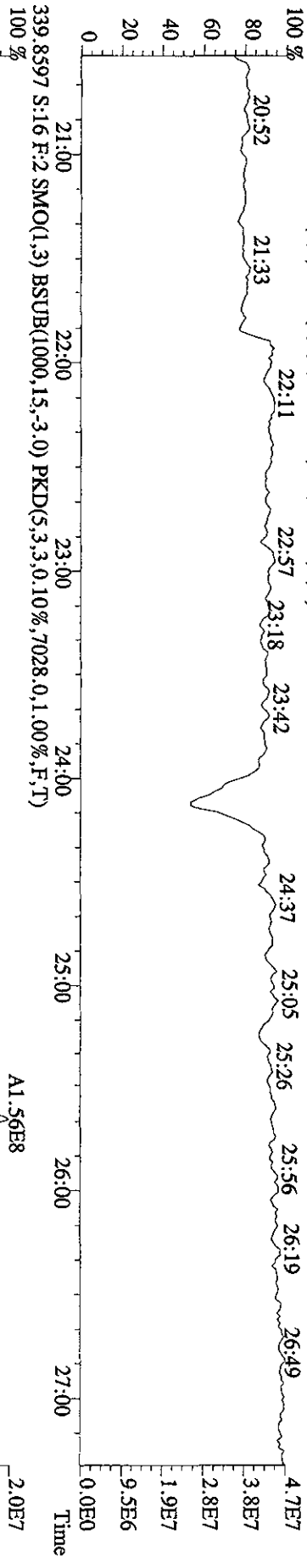
375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1440.0,1.00%,F,T)



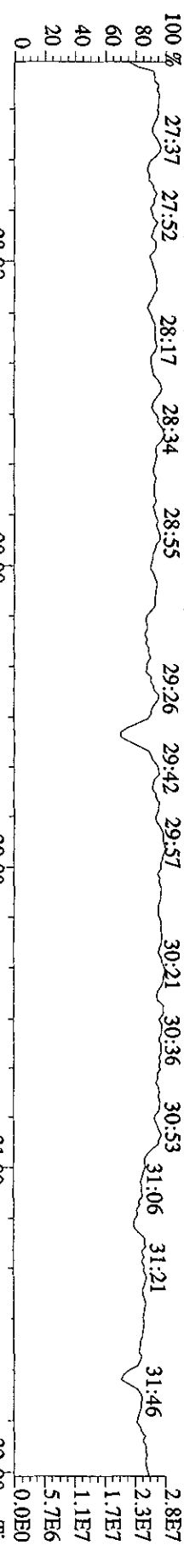
330.9792 S:16 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



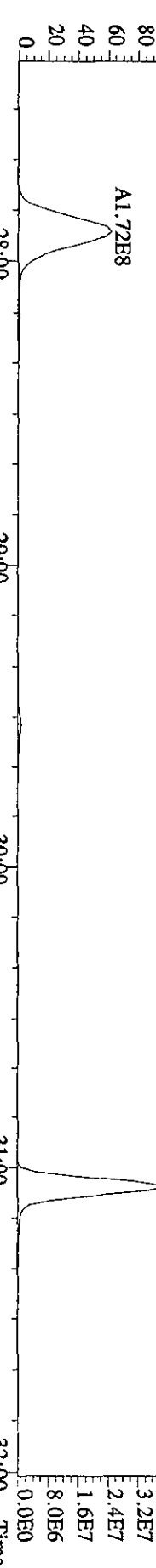
File:070C101D5 #1-423 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CFSM 3732-09 Exp:DIOXINRES
 342.9792 S:16 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



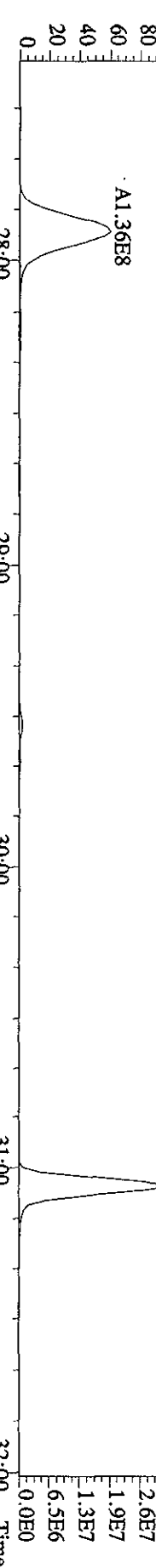
File: 07OC101D5 #1-301 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE
 Sample#16 Text: CP1007 :DB-5 CPSM 3732-09 Exp: DIOXINRES
 392.9760 S:16 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



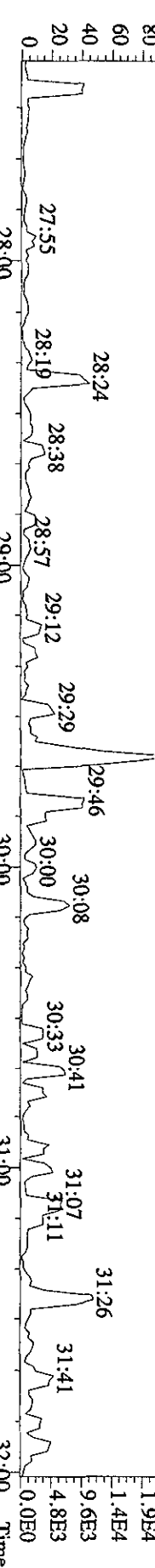
373.8208 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20924.0,1.00%,F,T)
 100%
 27:37 27:52 28:17 28:34 28:55 29:26 29:42 29:57 30:21 30:36 30:53 31:06 31:21 31:46
 2.8E7
 2.3E7
 1.7E7
 1.1E7
 5.7E6
 0.0E0



375.8178 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11412.0,1.00%,F,T)
 100%
 28:00 29:00 30:00 31:00 32:00
 3.2E7
 2.6E7
 1.9E7
 1.3E7
 6.5E6
 0.0E0



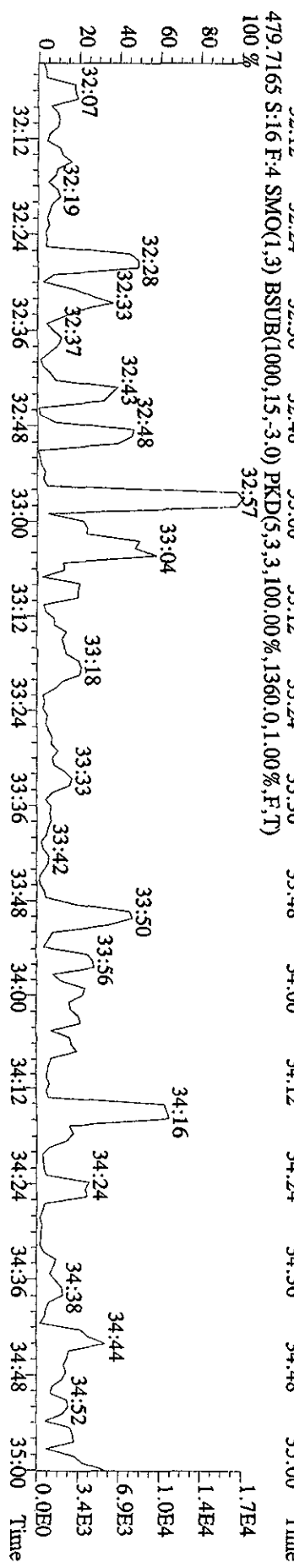
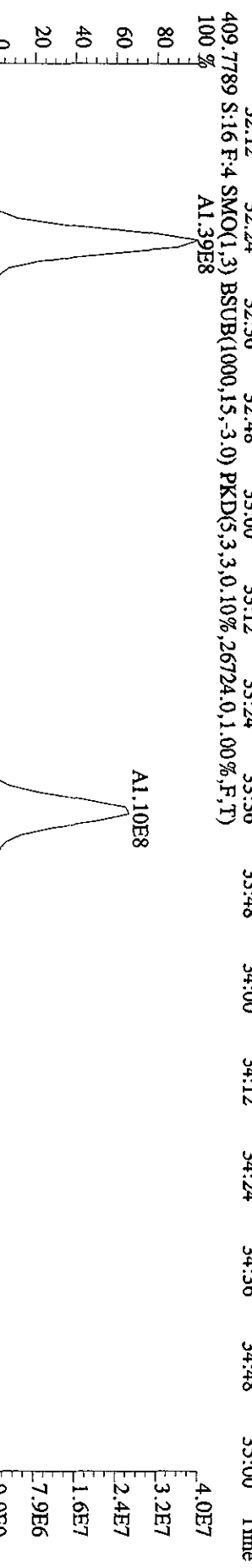
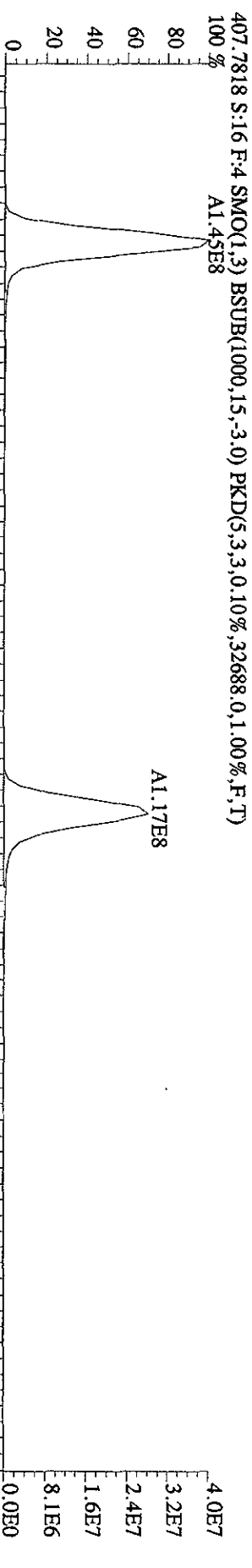
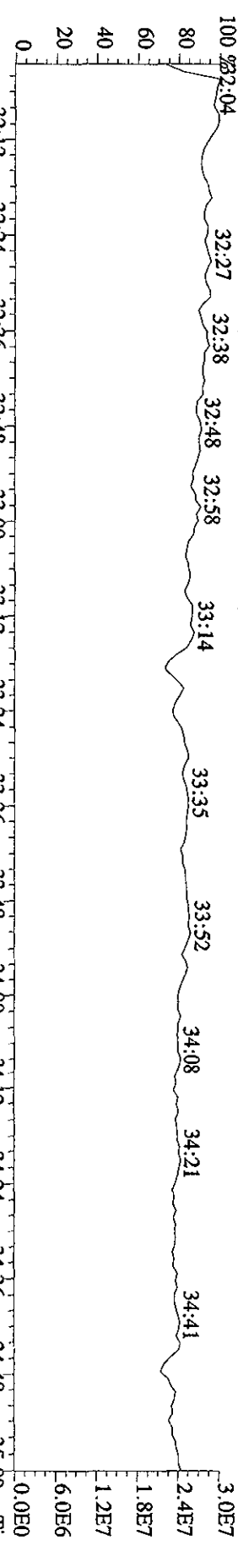
445.7555 S:16 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1448.0,1.00%,F,T)
 100%
 28:00 29:00 30:00 31:00 32:00
 2.4E4
 1.9E4
 1.4E4
 9.6E3
 4.8E3
 0.0E0



380.9760 S:16 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%
 27:29 27:46 28:01 28:22 28:38 29:00 29:29 29:50 30:10 30:25 30:45 31:00 31:08 31:36 32:00
 4.6E7
 3.7E7
 2.8E7
 1.8E7
 9.2E6
 0.0E0



File:07OC101D5 #1-202 Acq: 7-OCT-2010 22:32:51 GC EI + Voltage SIR 70SE
 Sample#16 Text:CP1007 :DB-5 CP5M 3732-09 Exp:DIOXINRES
 430.9728 S:16 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 32.04 32.27 32.38 32.48 32.58 33.14 33.35 33.52 34.08 34.21 34.41

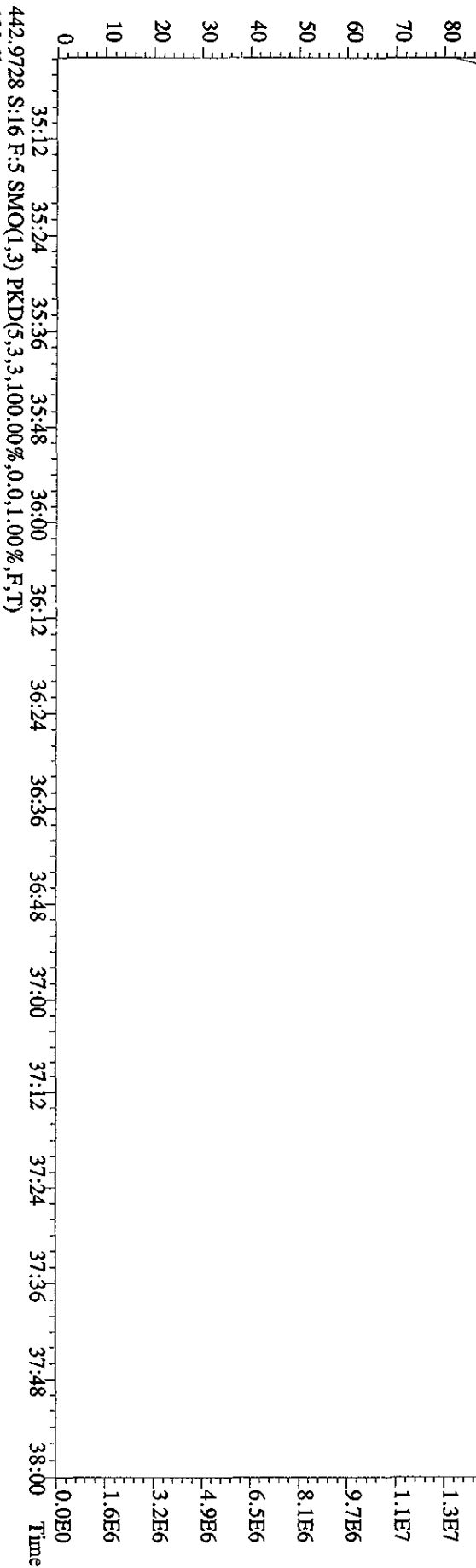


File:070C101D5 #1-196 Acq: 7-OCT-2010 22:32:51 GC EI+ Voltage SIR 70SE

Sample#16 Text:CP1007 :DB-5 CPM 3732-09 Exp:DIOXINRES

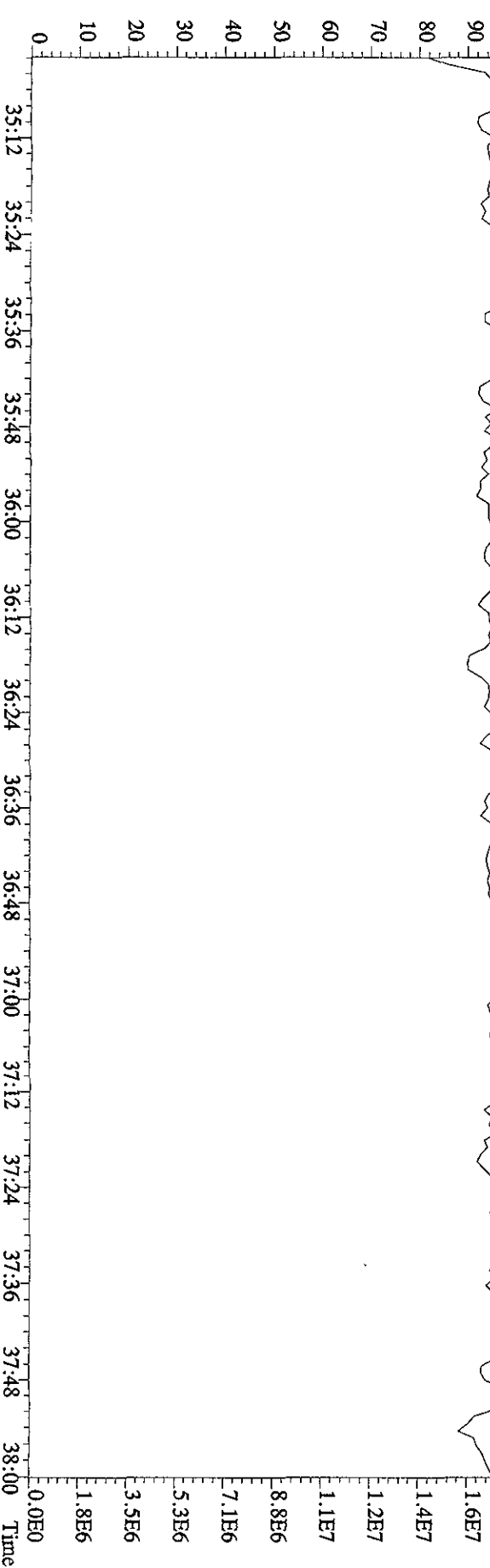
454.9728 S:1.6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 35:08 35:18 35:27 35:37 36:00 36:10 36:21 36:43 37:04 37:13 37:29 37:44 37:53

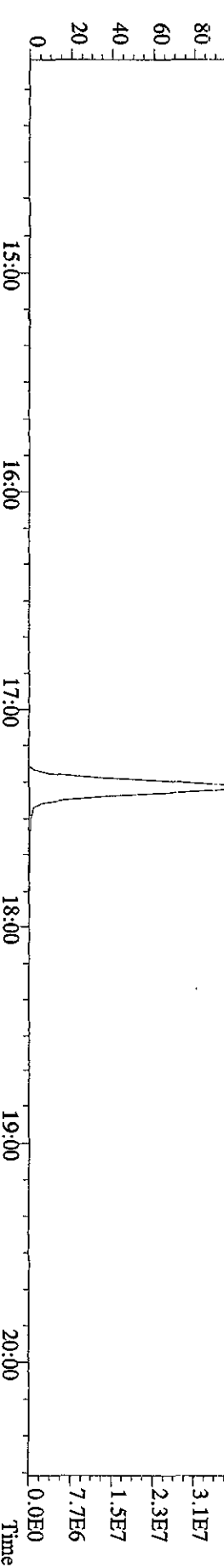
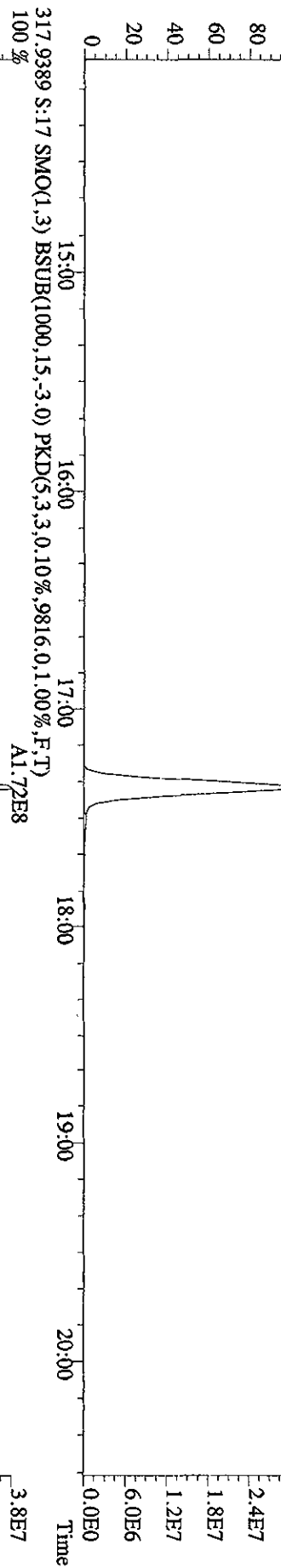
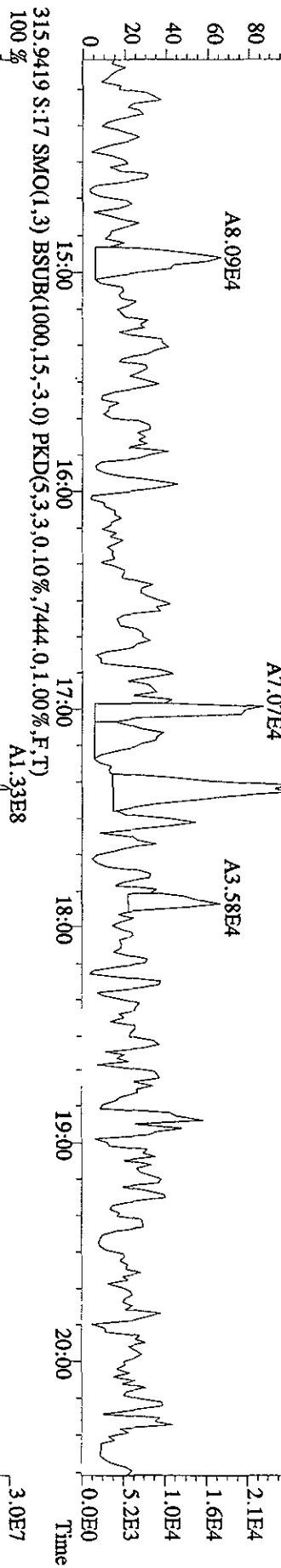
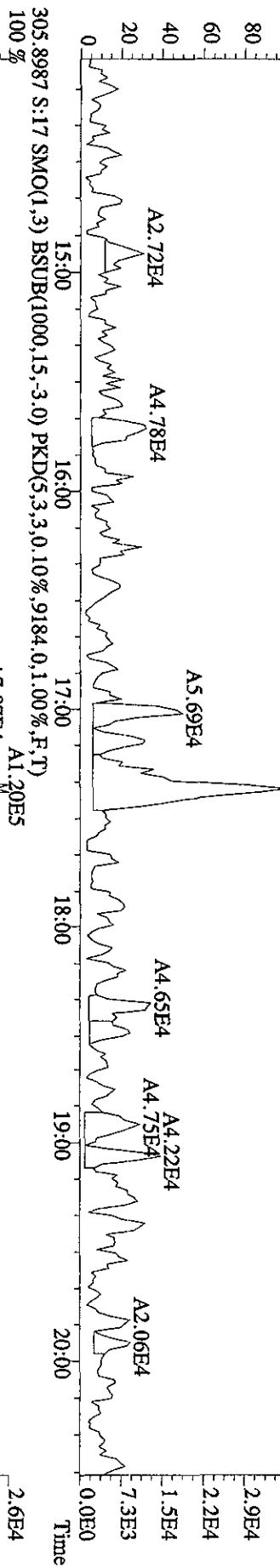


442.9728 S:1.6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

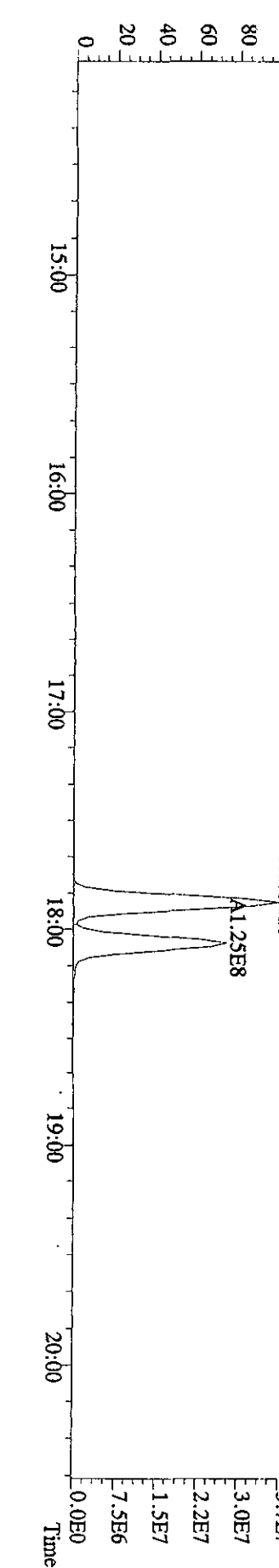
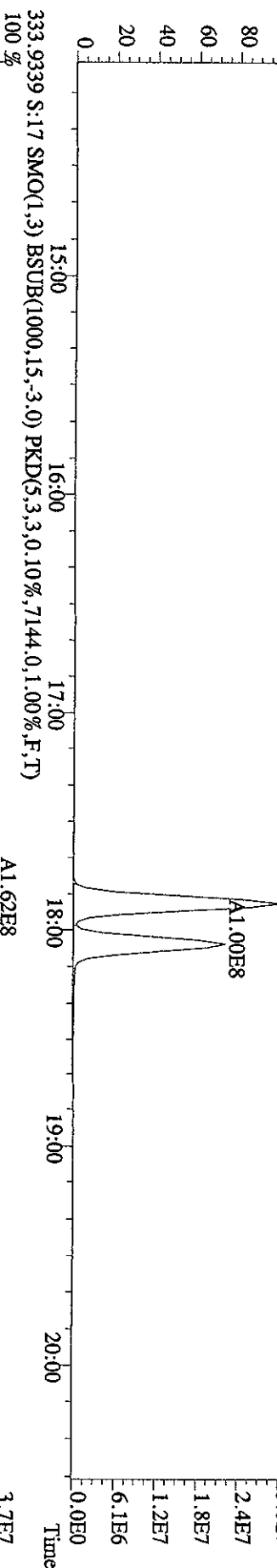
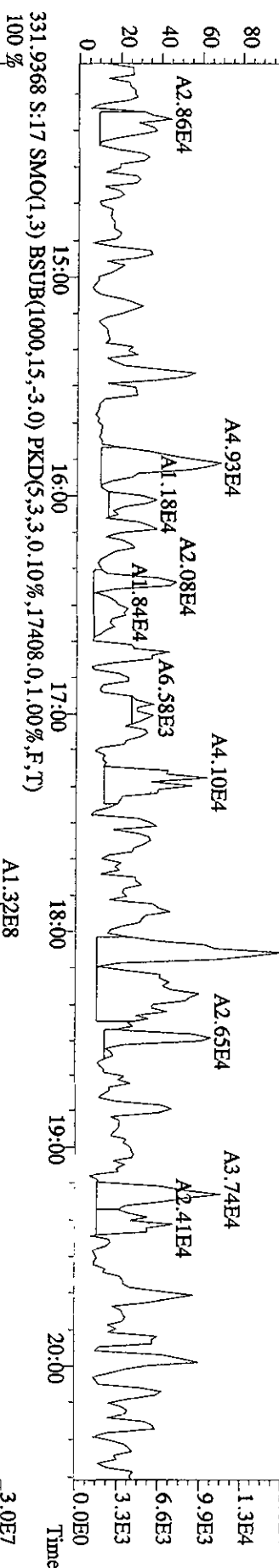
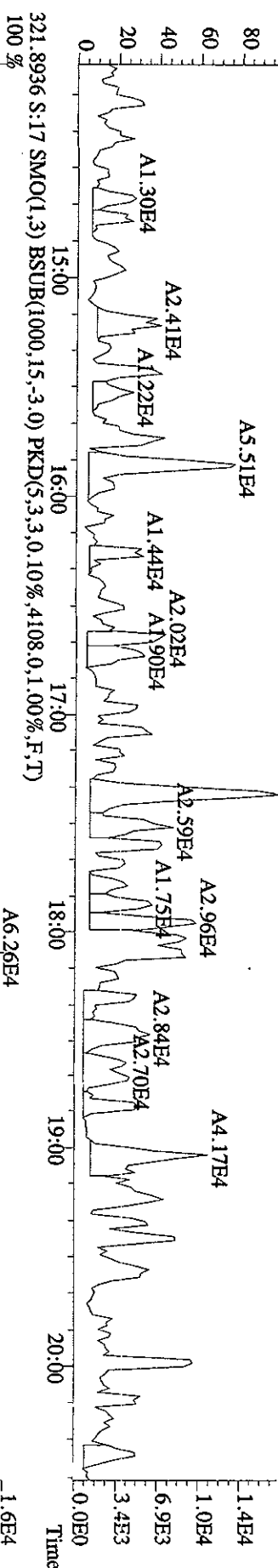
100 % 35:06 35:16 35:31 35:40 36:08 36:21 36:32 36:53 37:11 37:24 37:39 37:50



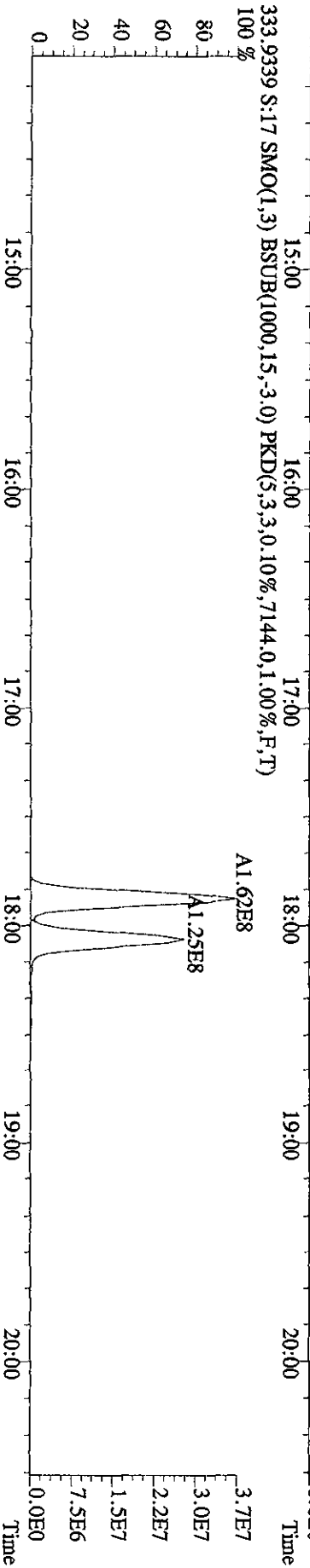
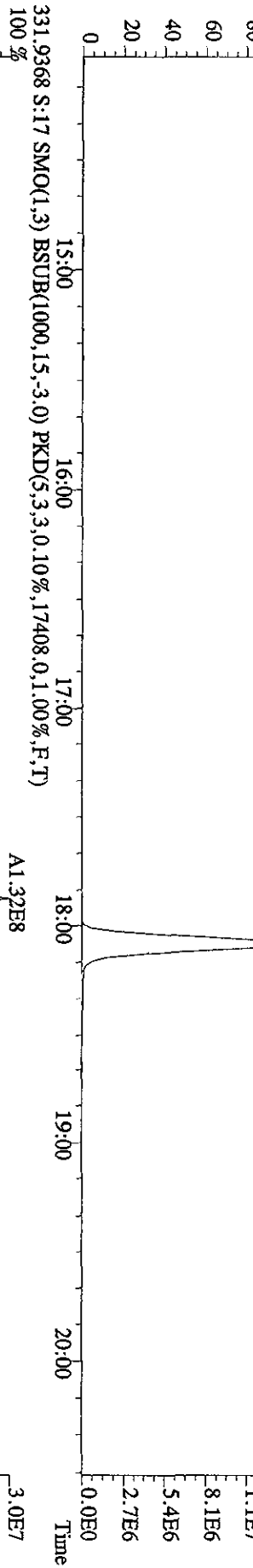
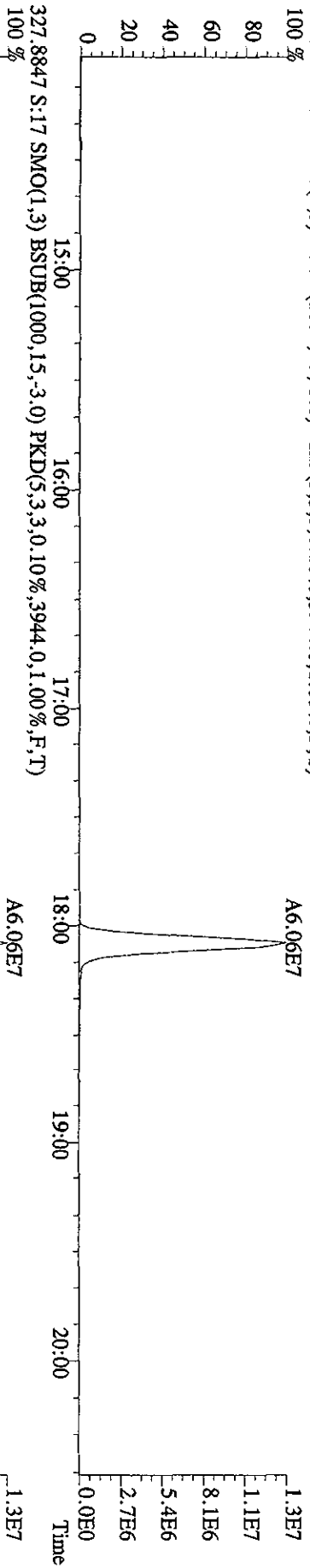
File:070CI01D5 #1-382 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G0I220000-170 (505-MB) Exp:DIOXINRES
 303.9016 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5704,0,1,00%,F,T)



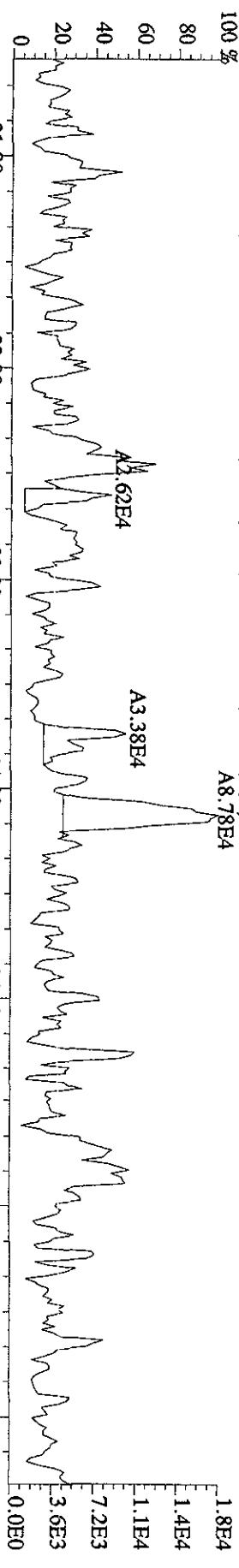
File:07OC101D5 #1-382 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G01220000-170 (505-MB) Exp:DIOXINRES
 319.8965 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2660.0,1.00%,F,T)



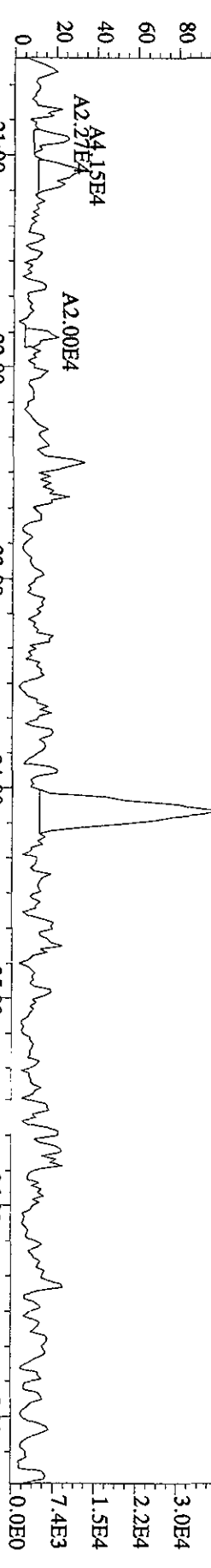
File:070C101D5 #1-382 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G01220000-170 (505-MB) Exp:DIOXINRES
 327.8847 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3944,0,1,00%,F,T)
 100 %



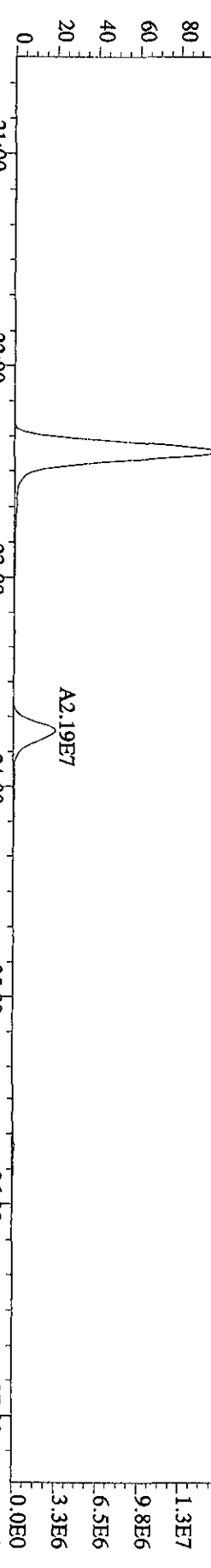
File:07OC101D5 #1-422 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G01220000-170 (505-MB) Exp:DIOXINRES
 339.8597 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.5164,0.1,0.0%,F,T)
 100 %



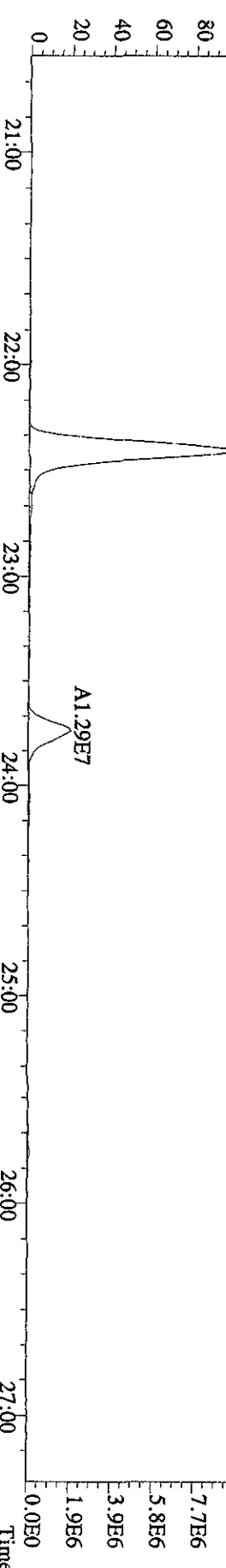
341.8567 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.5092,0.1,0.0%,F,T)
 100 %



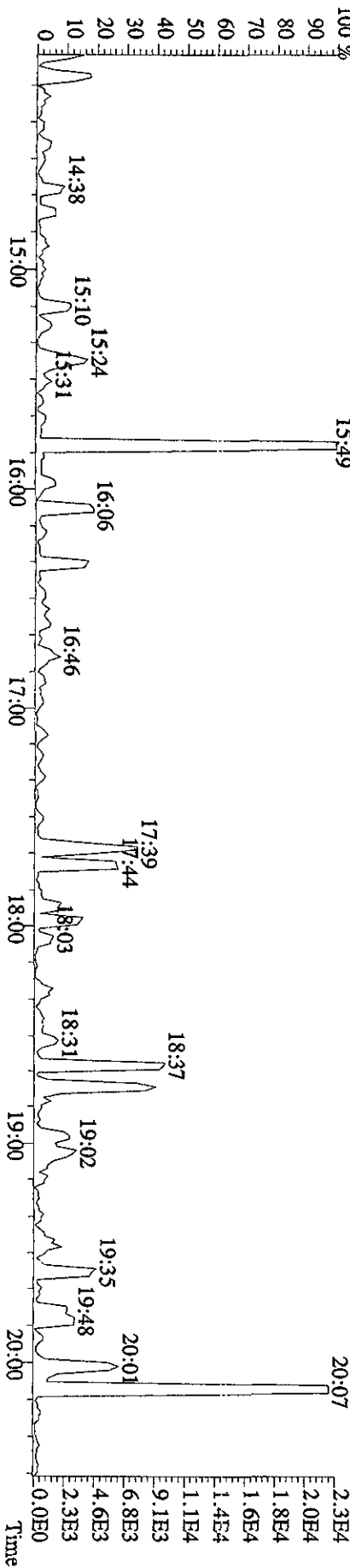
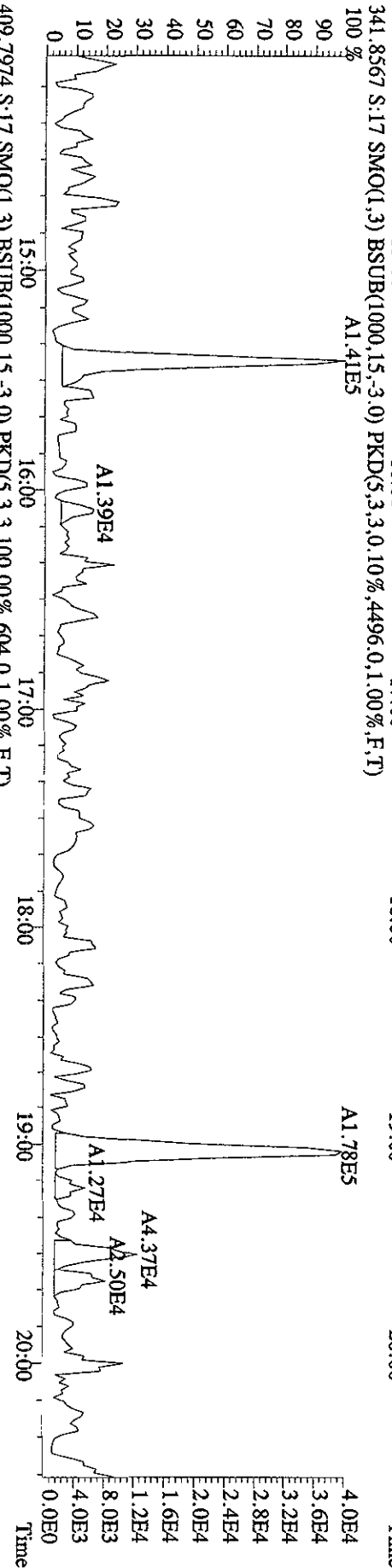
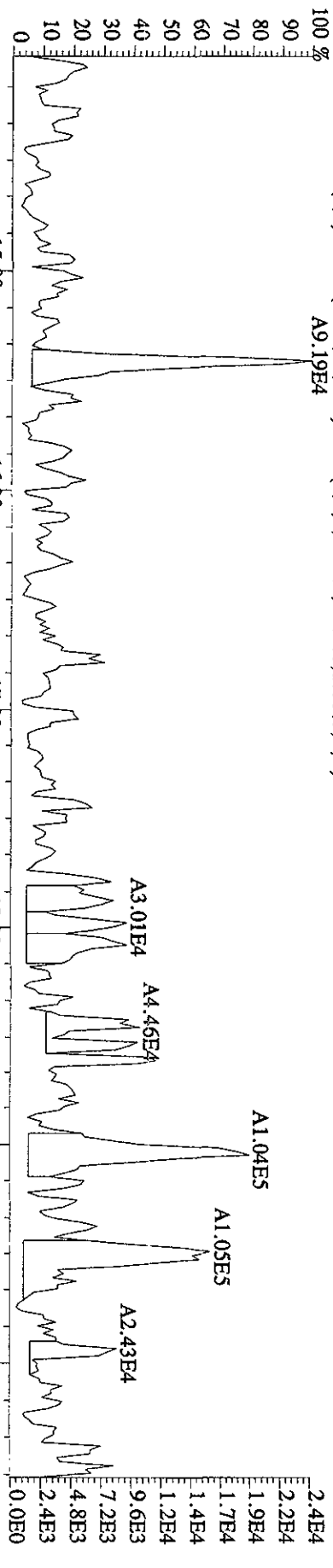
351.9000 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.1356,0.1,0.0%,F,T)
 100 %



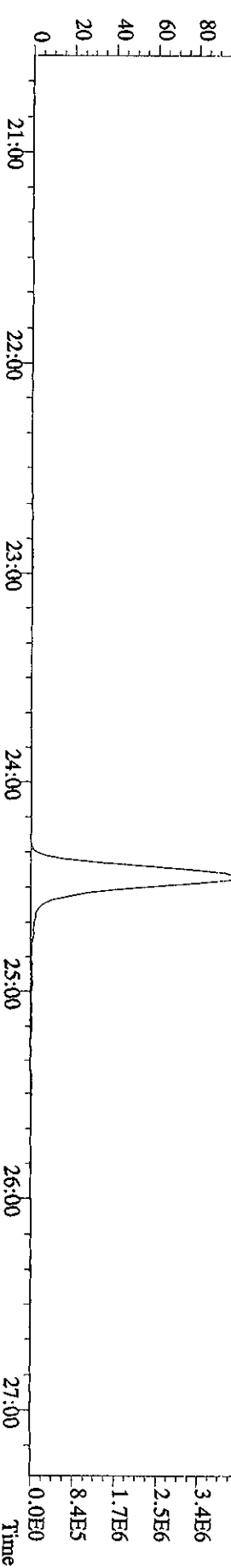
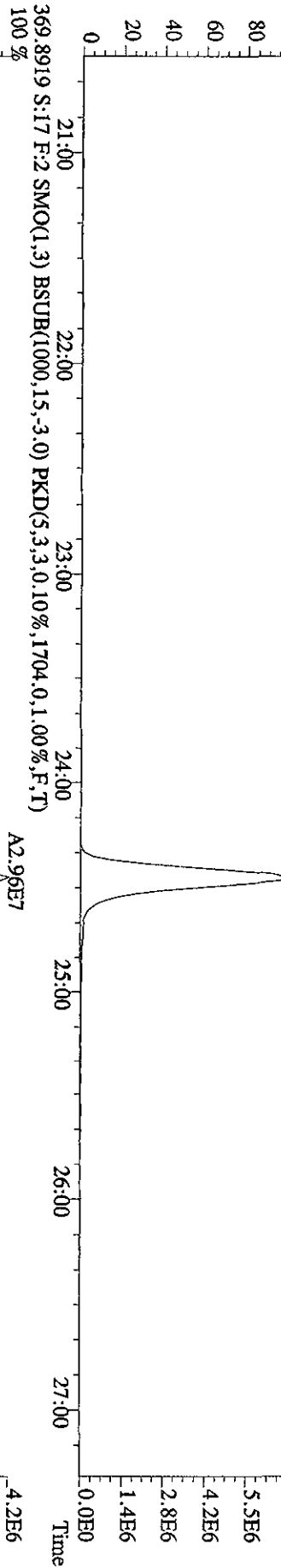
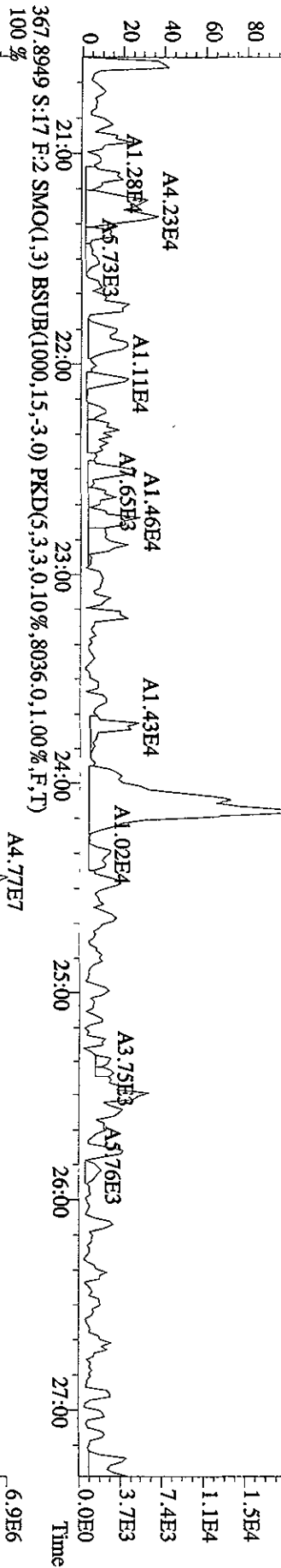
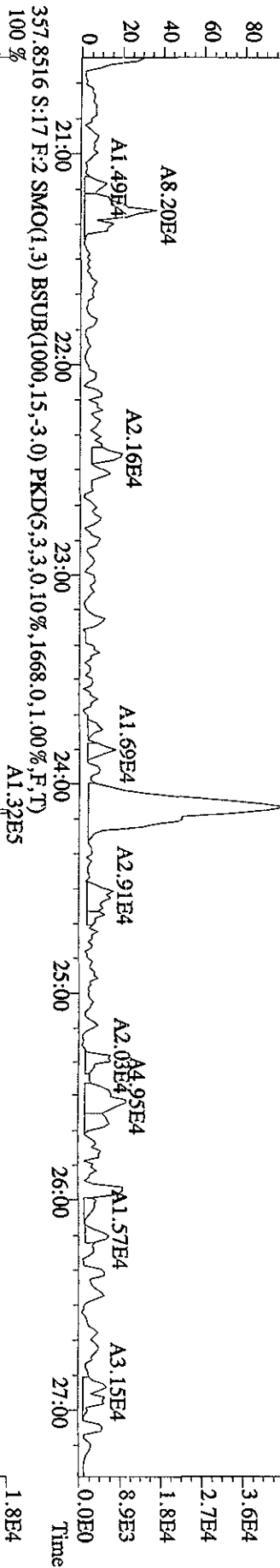
353.8970 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.4652,0.1,0.0%,F,T)
 100 %



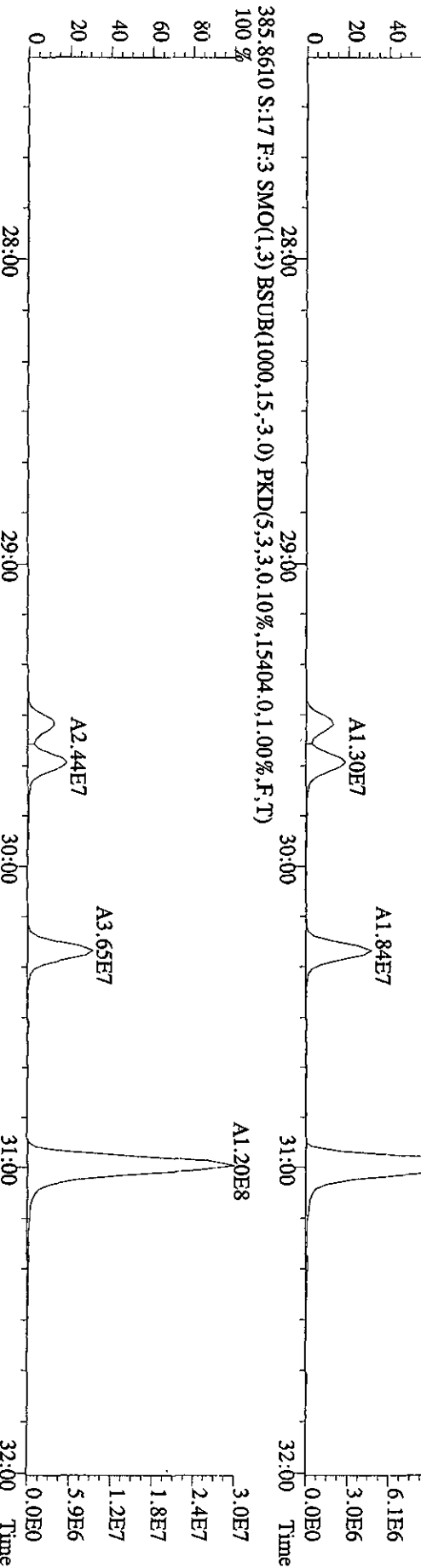
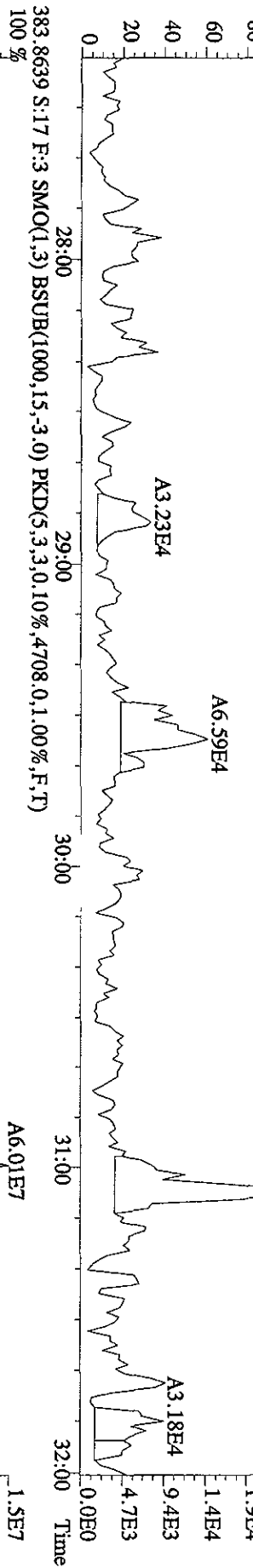
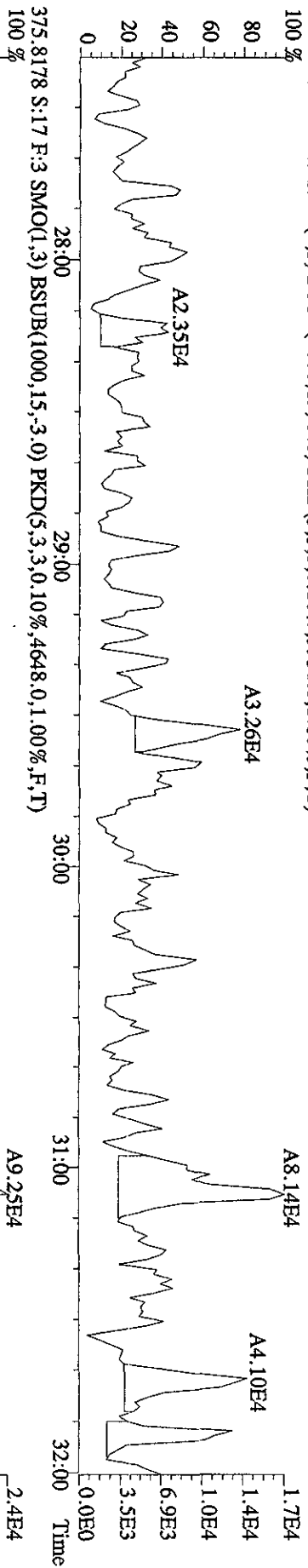
File: 07OC101D5 #1-382 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage: SIR 70SE
 Sample#17 Text: L6979-1-AA : G01220000-170 (505-MB) Exp: DIOXINRES
 339.8597 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4564,0,1,1.00%,F,T)



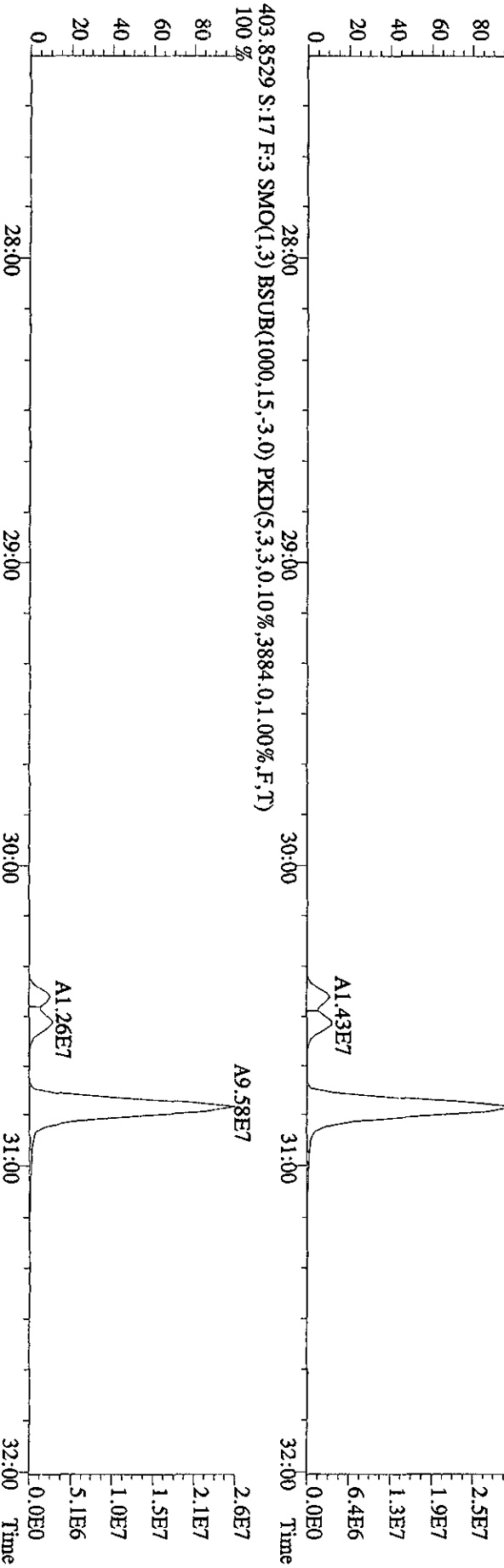
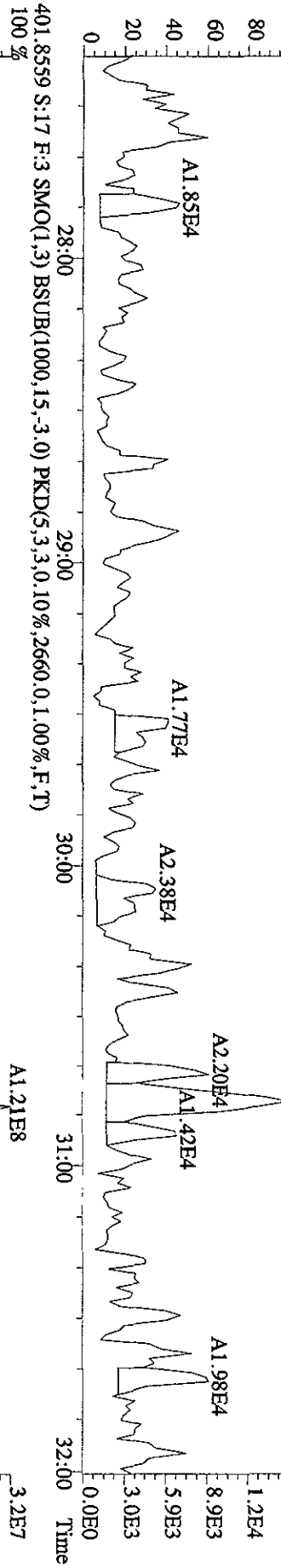
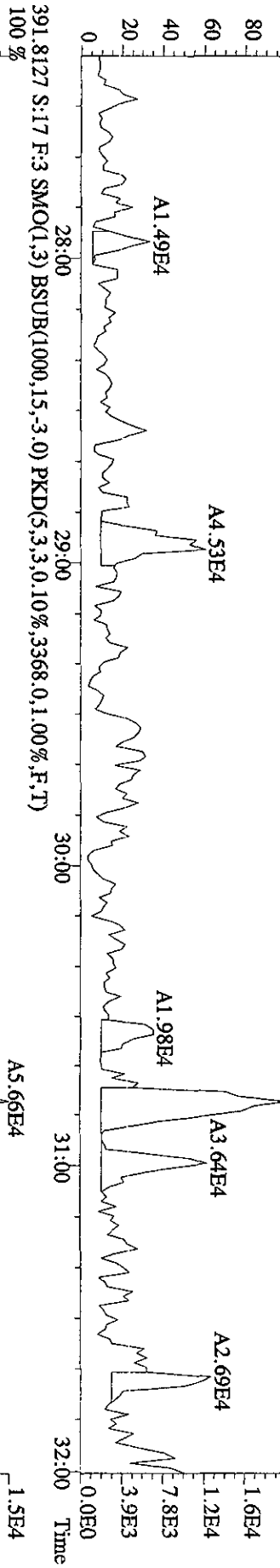
File:07OC101D5 #1-422 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G01220000-170 (505-MB) Exp:DIOXINRES
 355.8546 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2904,0,1,100%,F,T)
 100 %



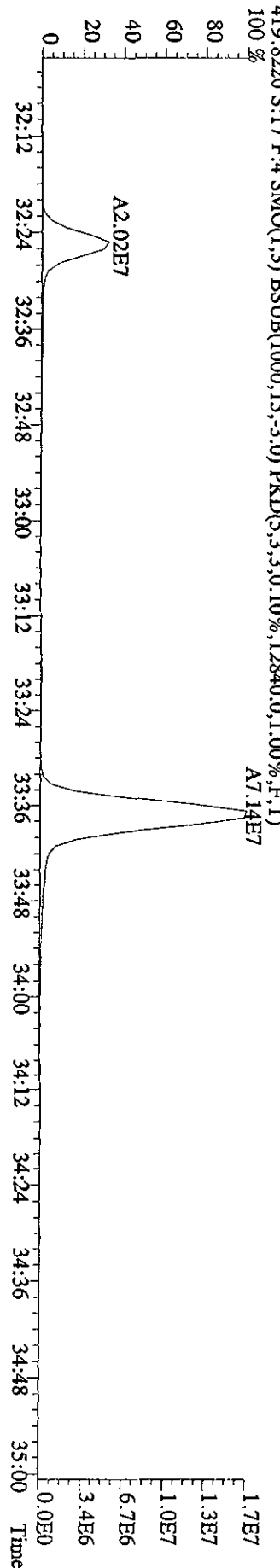
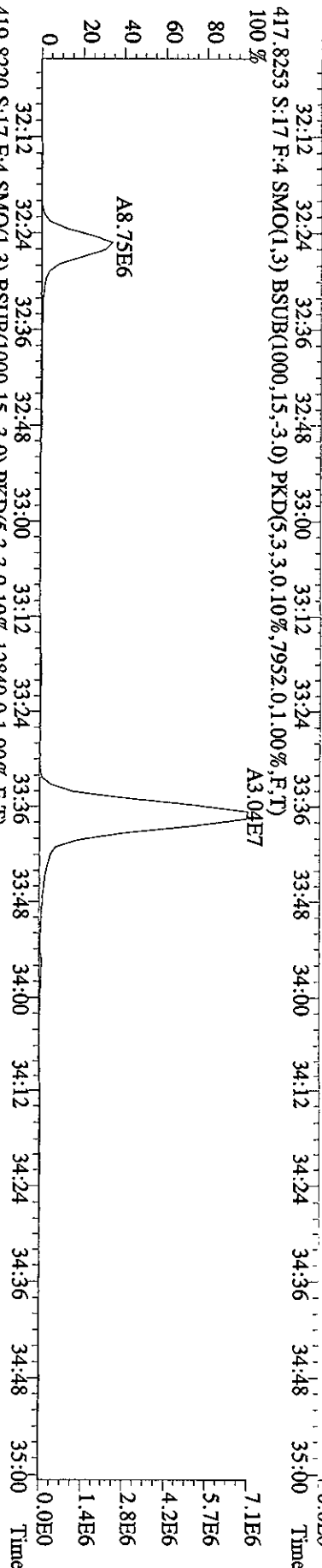
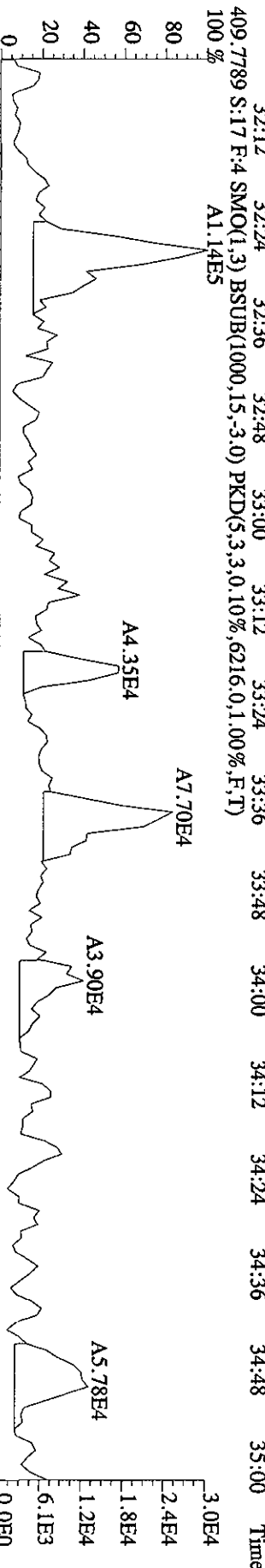
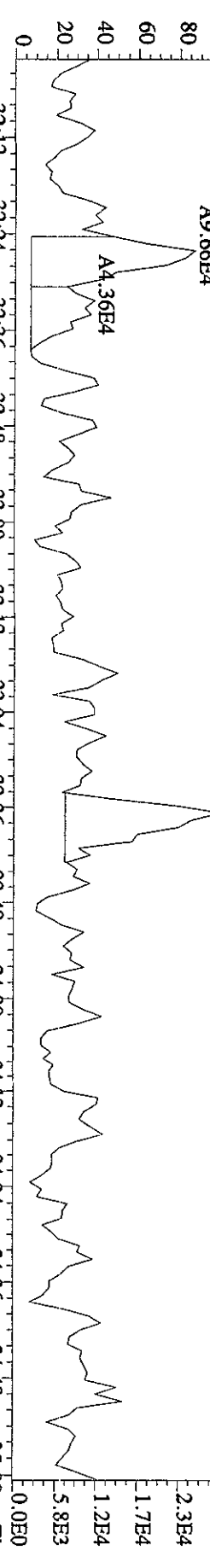
File:070C101D5 #1-301 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G01220000-170 (505-MB) Exp:DIOXINRES
 373.8208 S:17 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5952,0.1,00%,F,T)



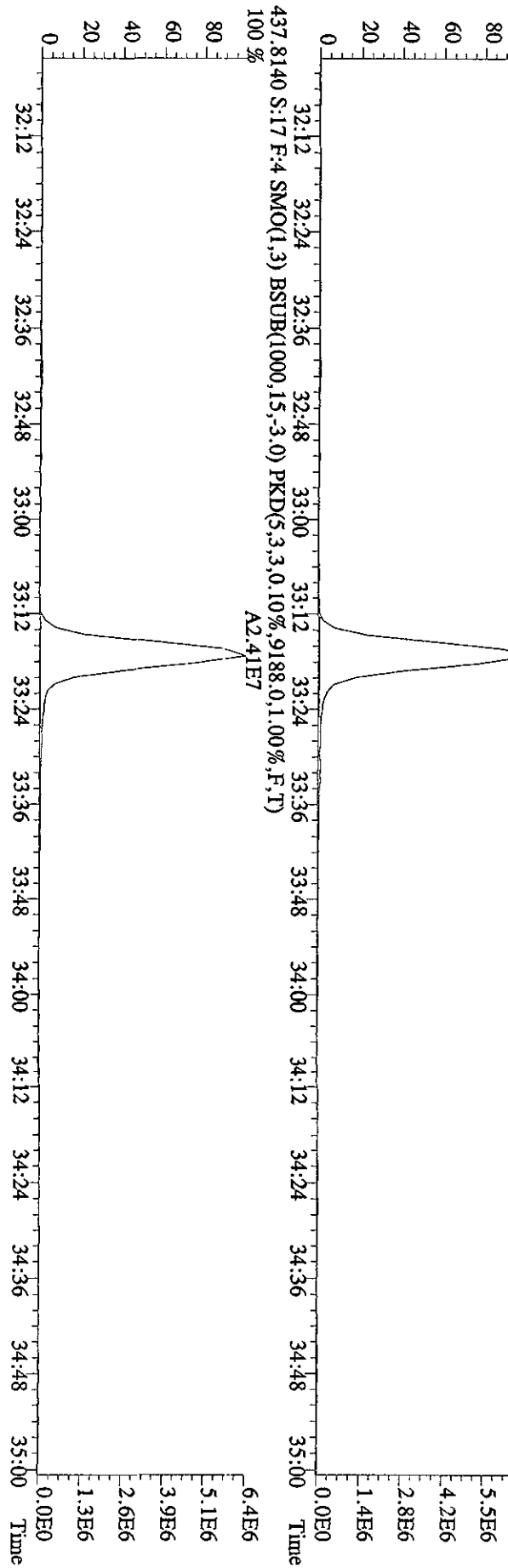
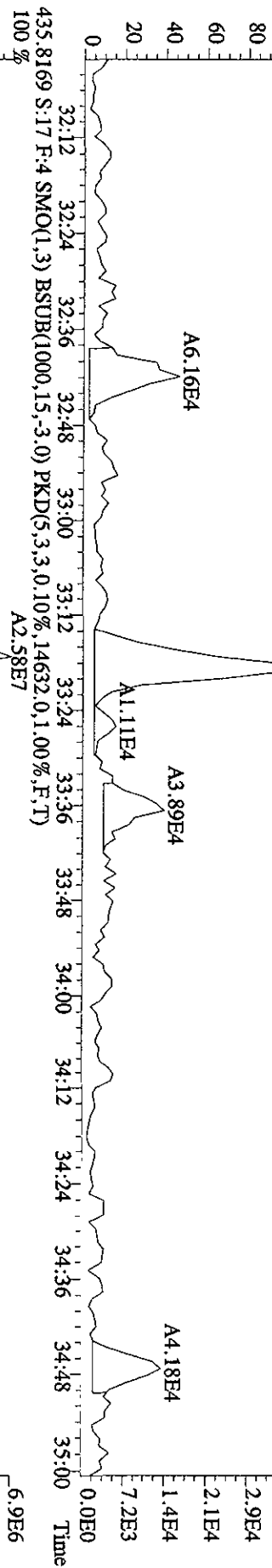
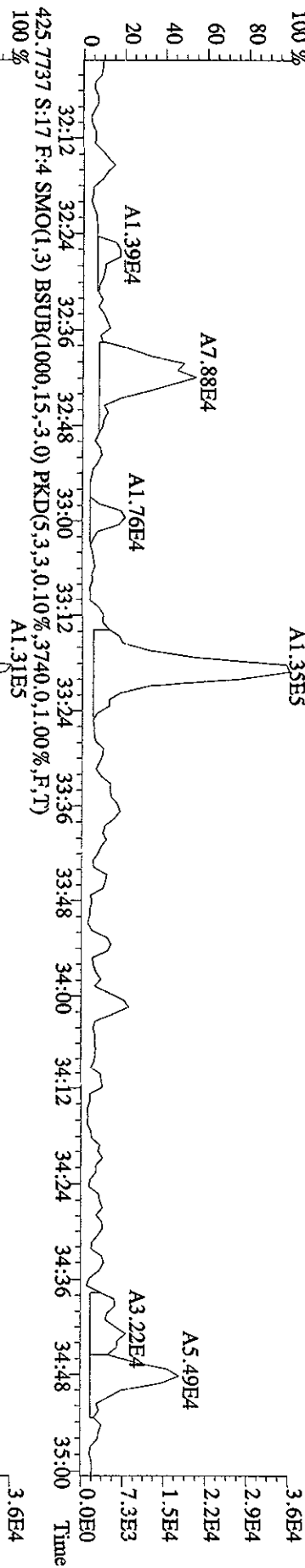
File:07OC1010IDS #1-301 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G0I020000-170 (505-MB) Exp:DIOXINRES
 389.8157 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3804,0,1,00%,F,T)
 100 %



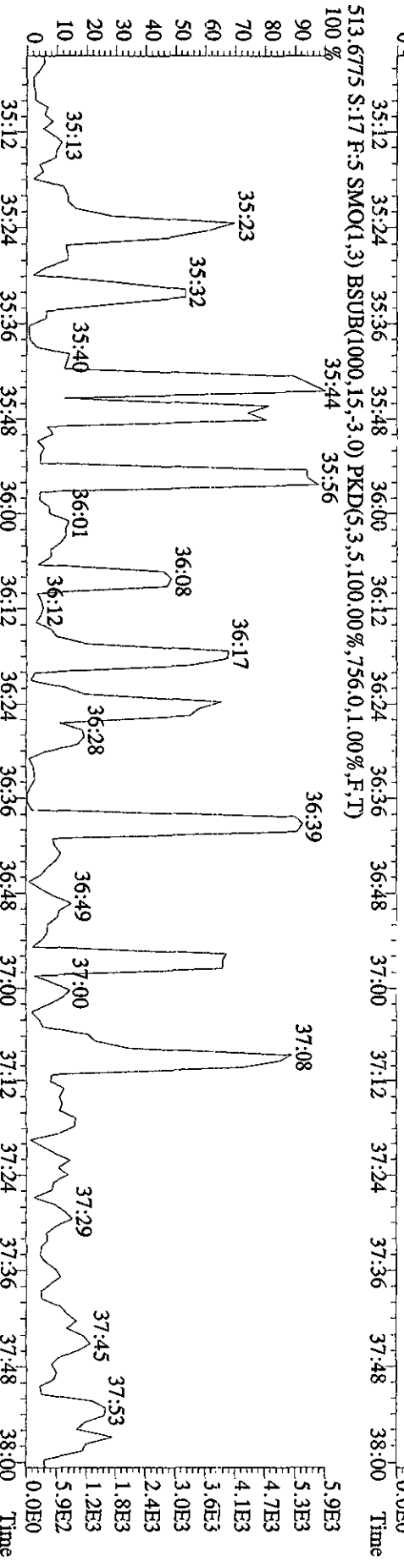
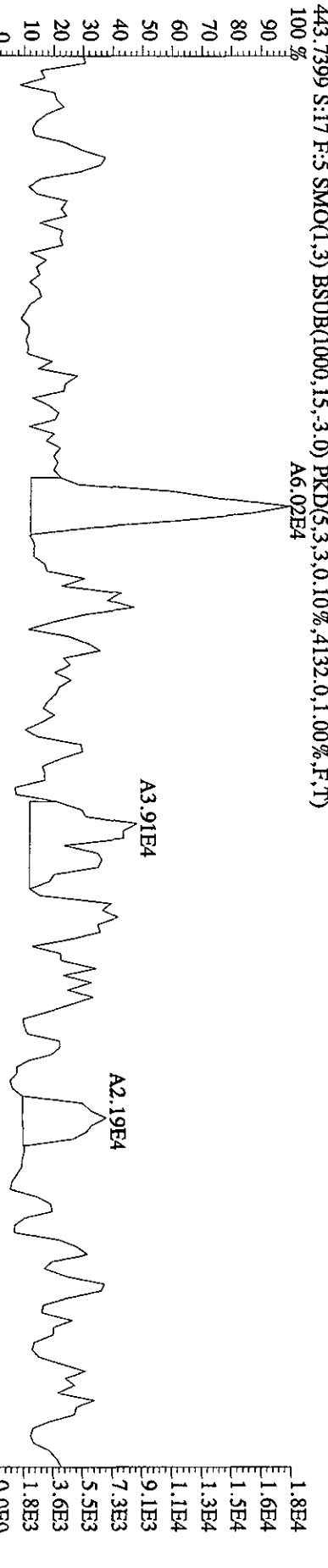
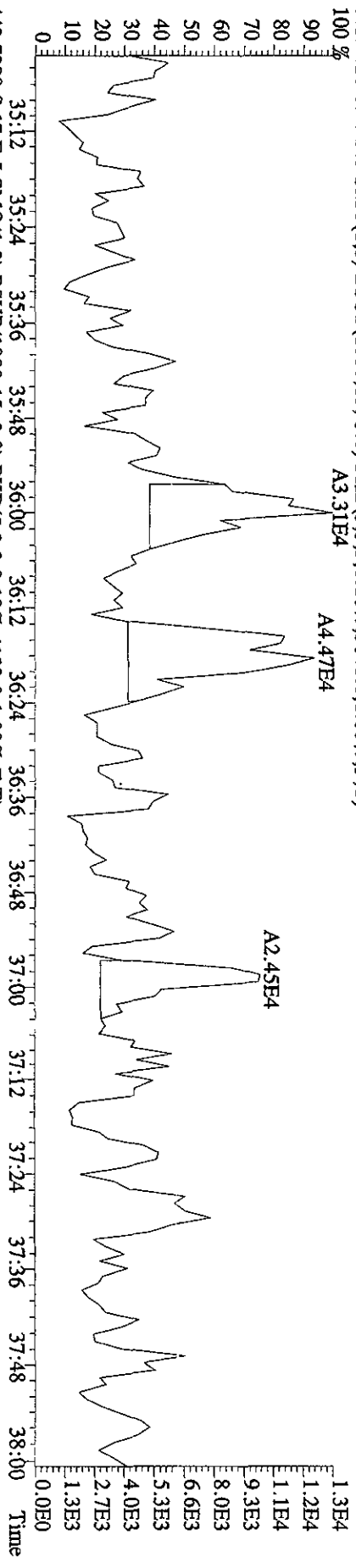
Sample#17 Text: L6979-1-AA : G01220000-170 (505-MB) Exp: DIOXINRES



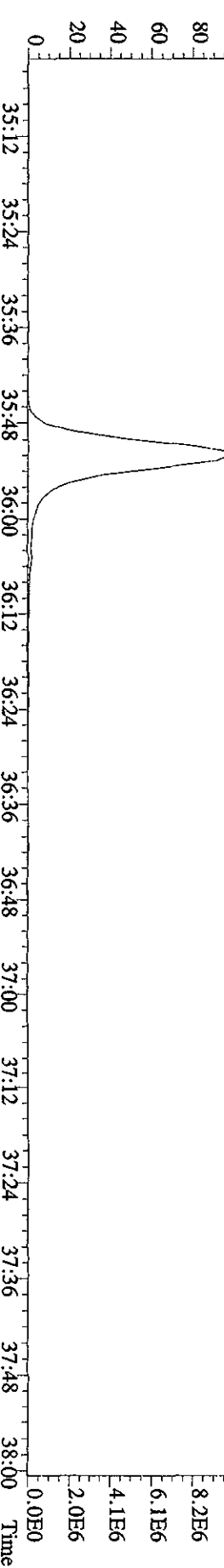
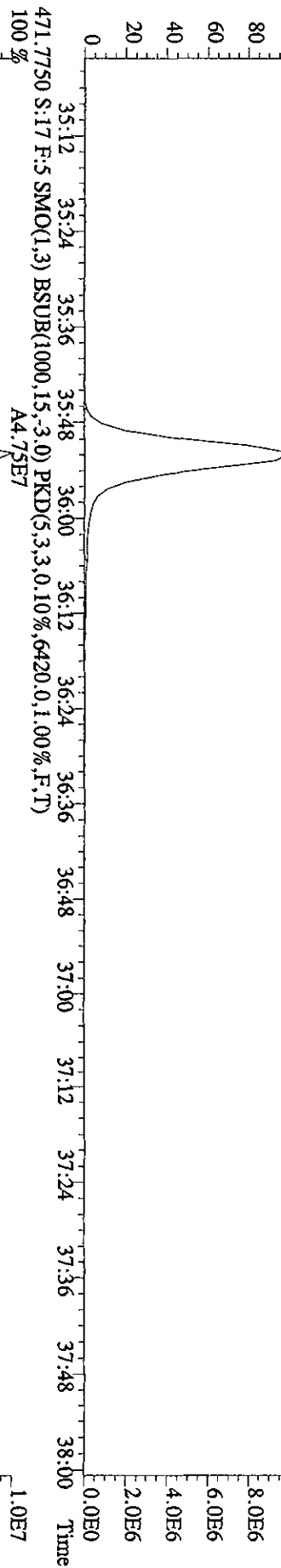
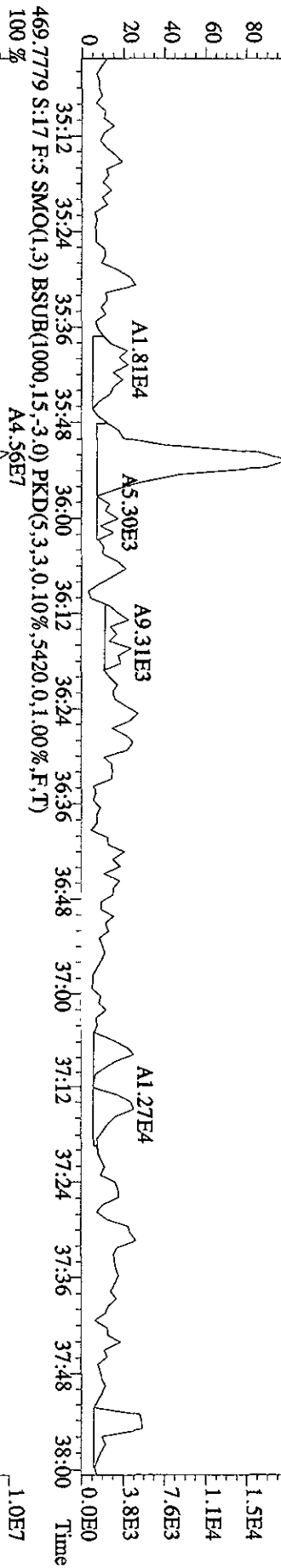
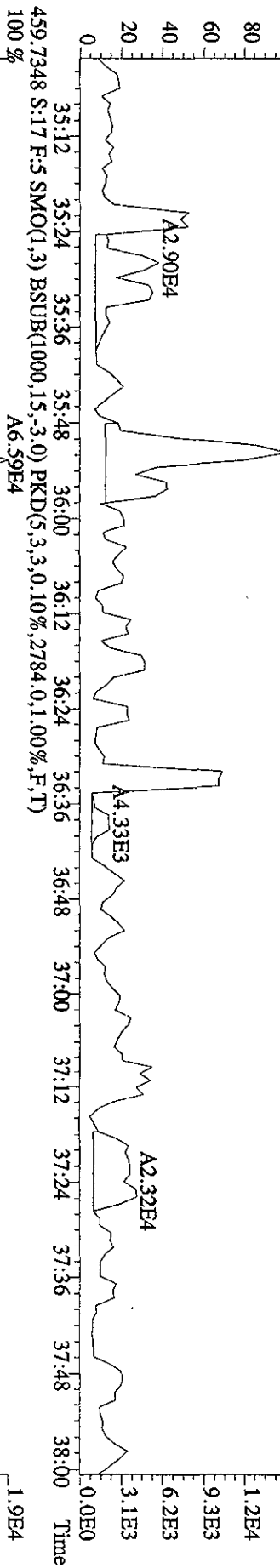
File:07OC101D5 #1-203 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G01220000-170 (505-MB) Exp:DIOXINRES
 423.7766 S:17 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3216,0.1,00%,F,T)
 100%



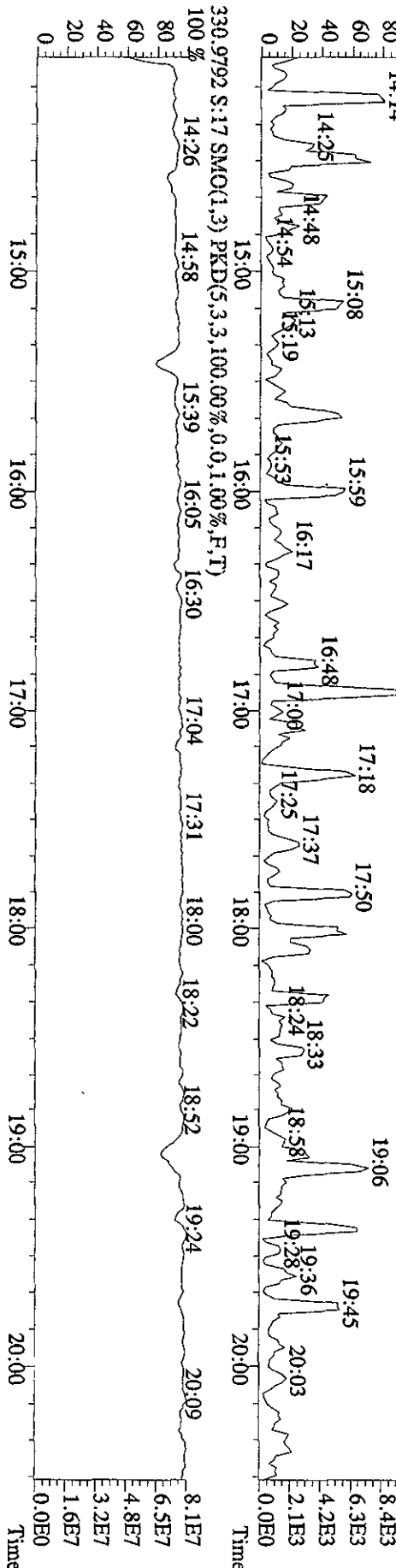
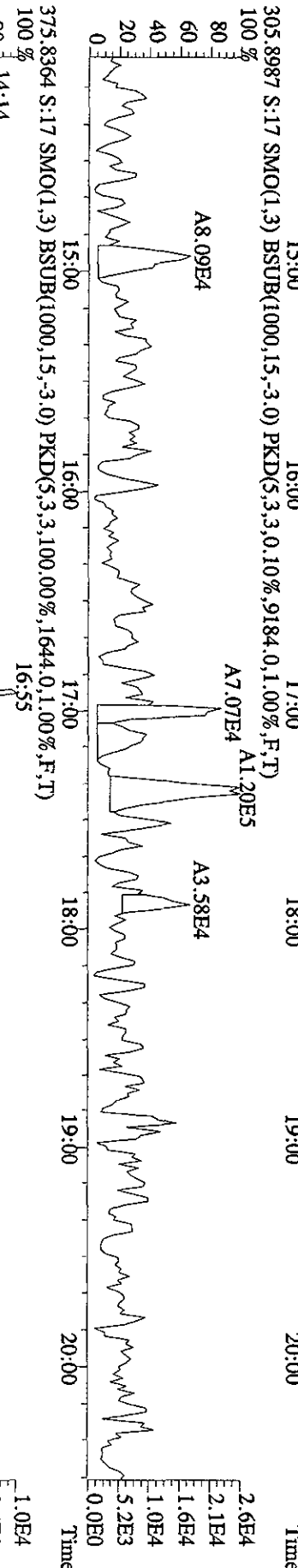
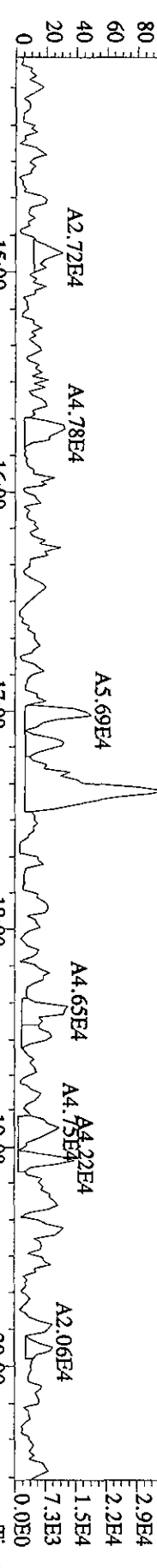
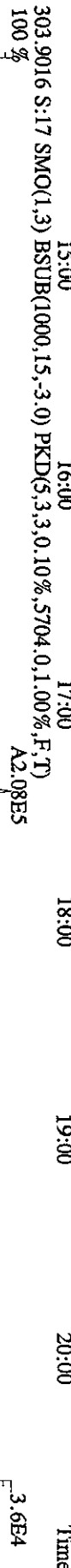
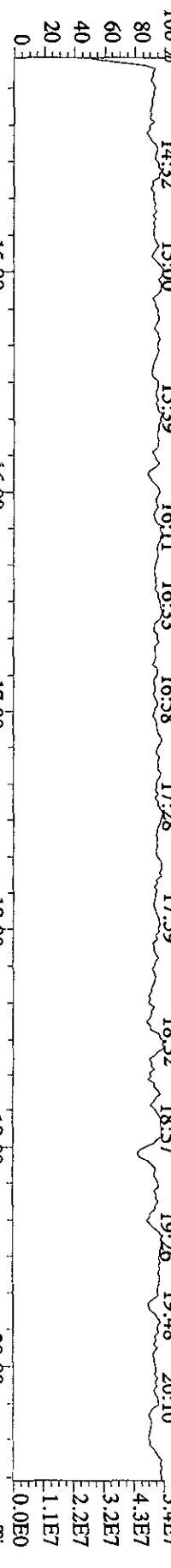
File:07OC1010IDS #1-196 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G01220000-170 (505-MB) Exp:DIOXINRES
 441.7428 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5048,0,1.00%,F,T)



File:07OC101D5 #1-196 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G01220000-170 (505-MB) Exp.:DIOXINRES
 457.7377 S:17 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2788,0,1.00%,F,T)



File:07OCT10ID5 #1-382 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G01220000-170 (505-MB) Exp:DIOXINES
 292.9825 S:17 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

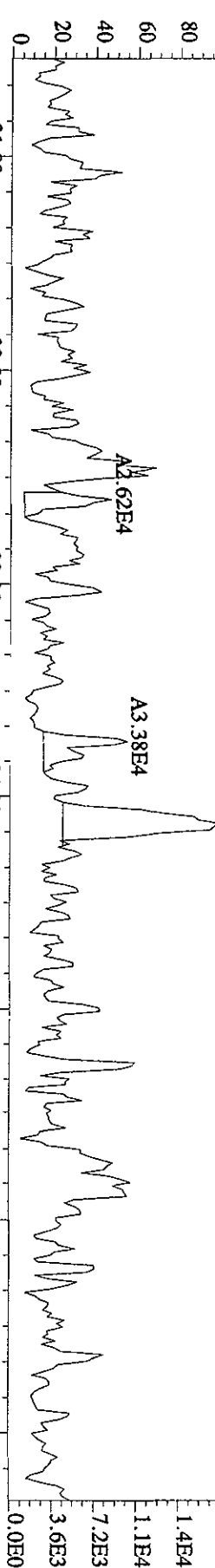


Sample#17 Text:L6979-1-AA :G01220000-170 (505-MB) Exp:DIOXINRES

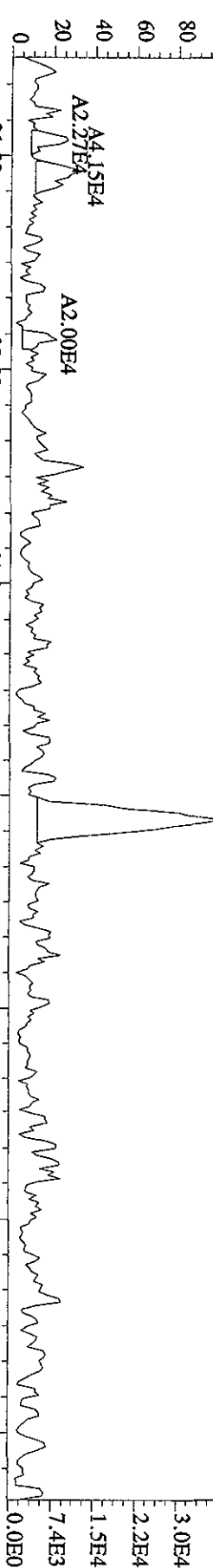
342.9792 S:17 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



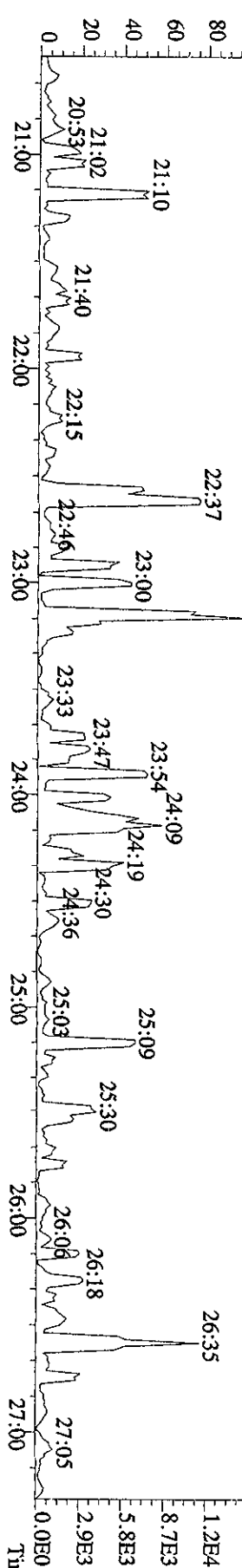
339.8597 S:17 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5164,0,1,00%,F,T)



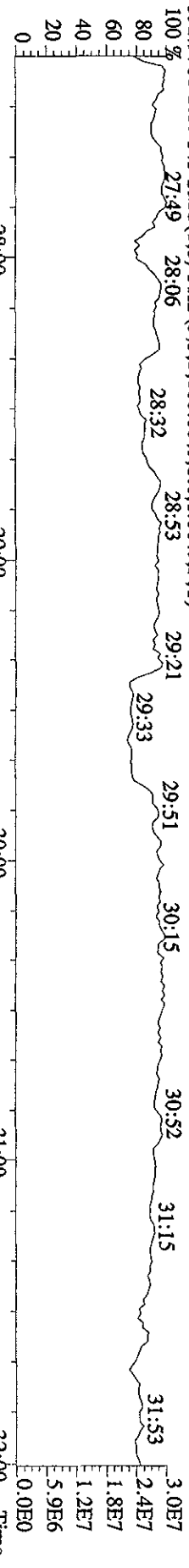
341.8567 S:17 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5092,0,1,00%,F,T)



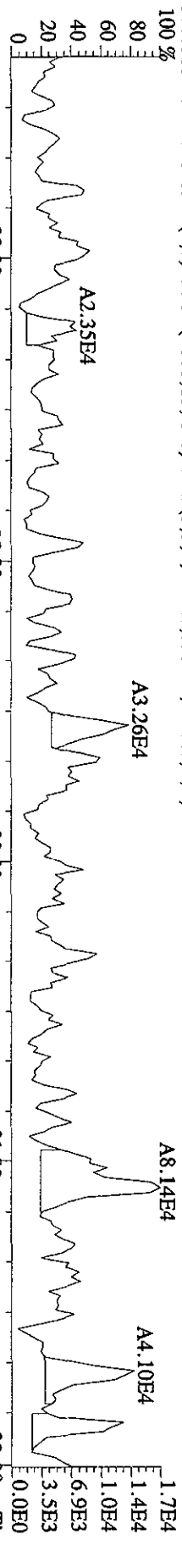
409.7974 S:17 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,908,0,1,00%,F,T)



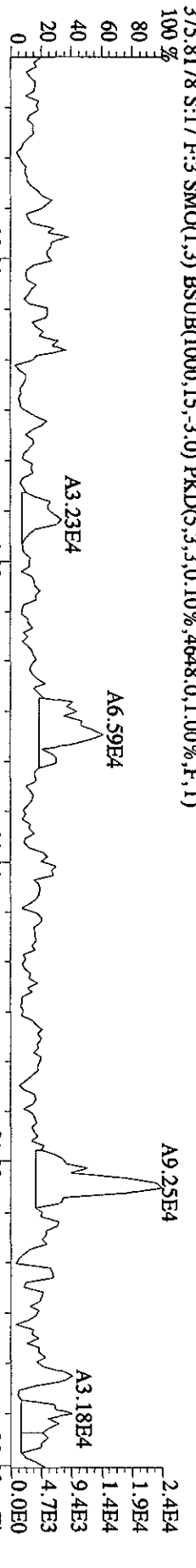
File:07OC101D5 #1-301 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE
 Sample#17 Text:L6979-1-AA :G01220000-170 (505-MB) Exp:DIOXINRES
 392.9760 S:17 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



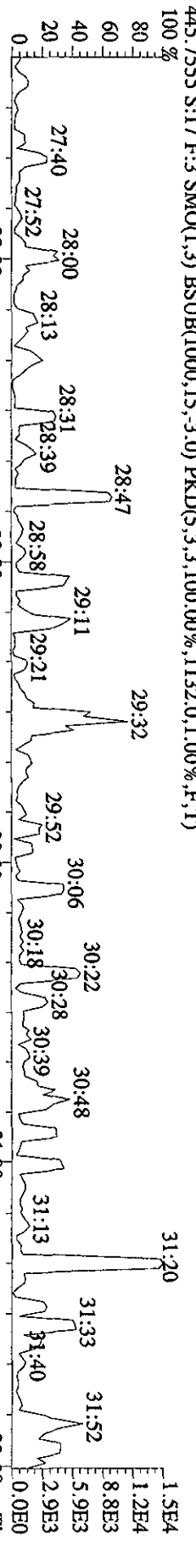
373.8208 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5952.0,1.00%,F,T)



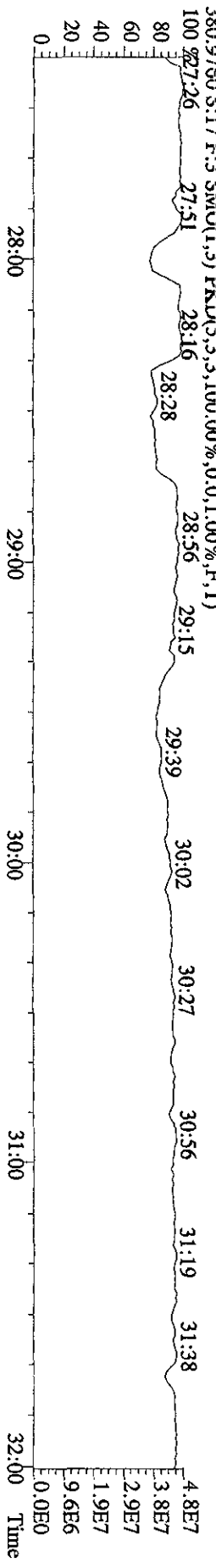
375.8178 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4648.0,1.00%,F,T)

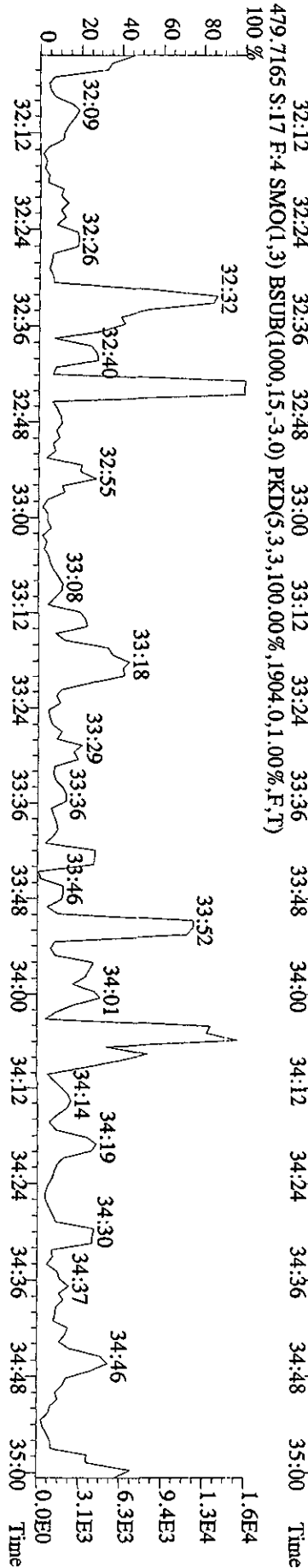
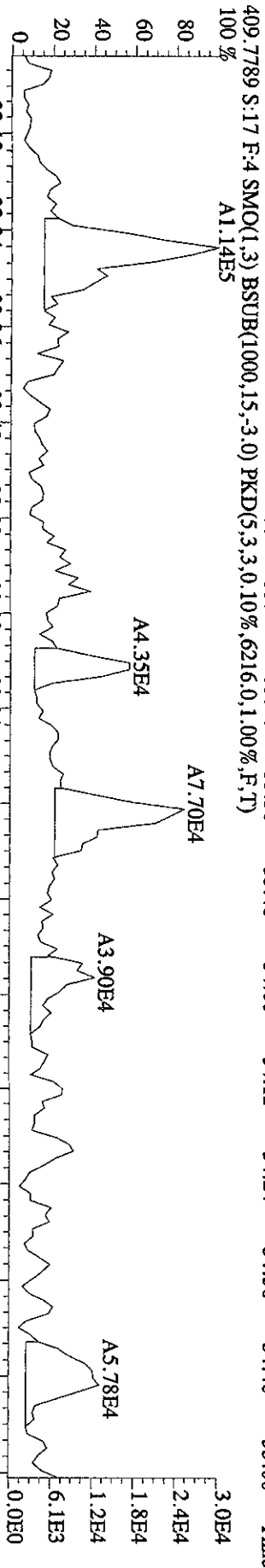
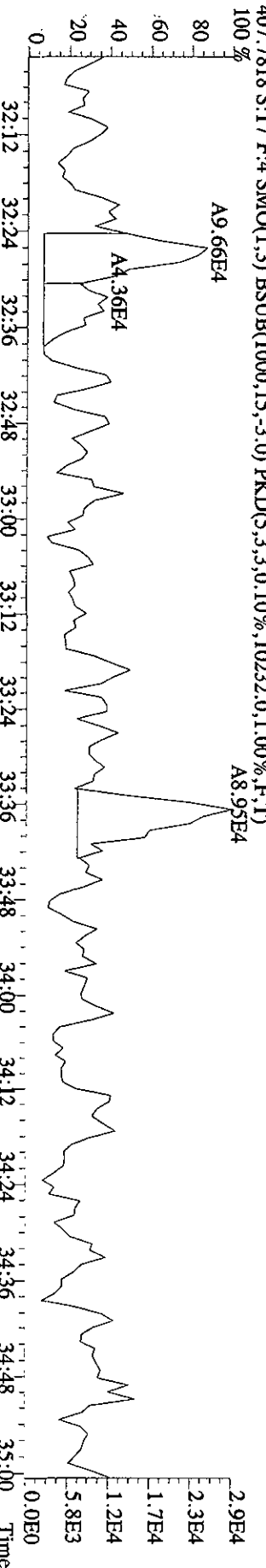
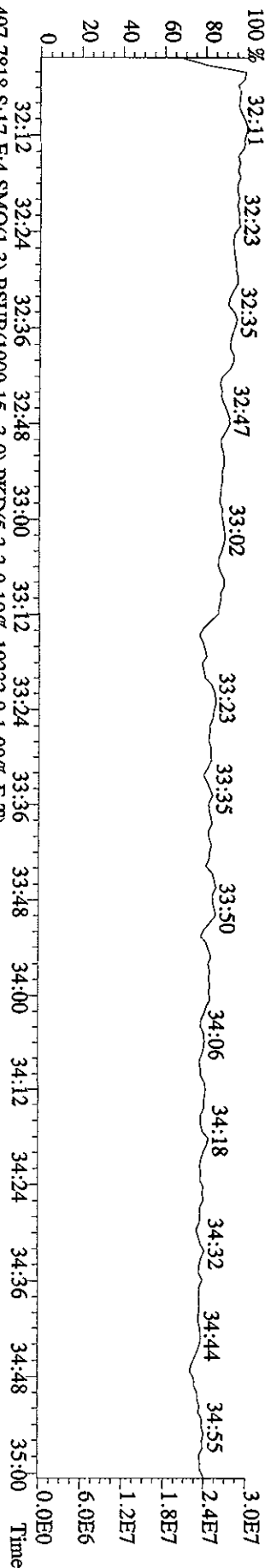


445.7555 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1132.0,1.00%,F,T)



380.9760 S:17 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



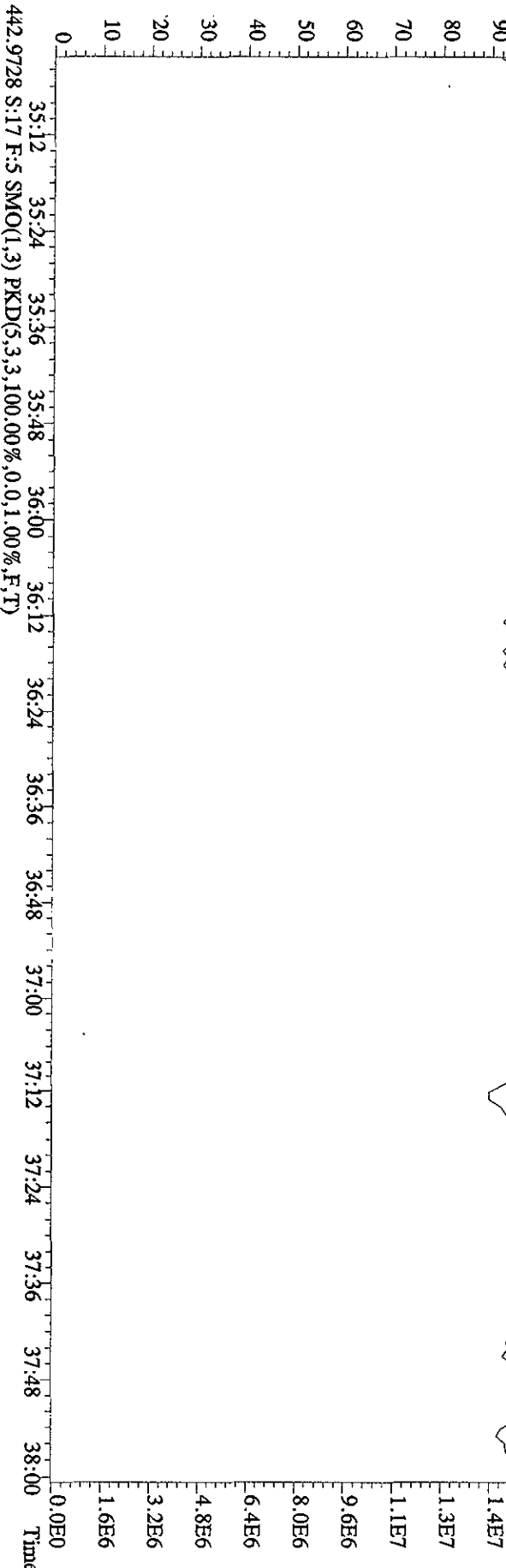


File:070C101D5 #1-196 Acq: 7-OCT-2010 23:25:06 GC EI+ Voltage SIR 70SE

Sample#17 Text:16979-1-AA :G01220000-170 (505-MB) Exp:DIOXINRES

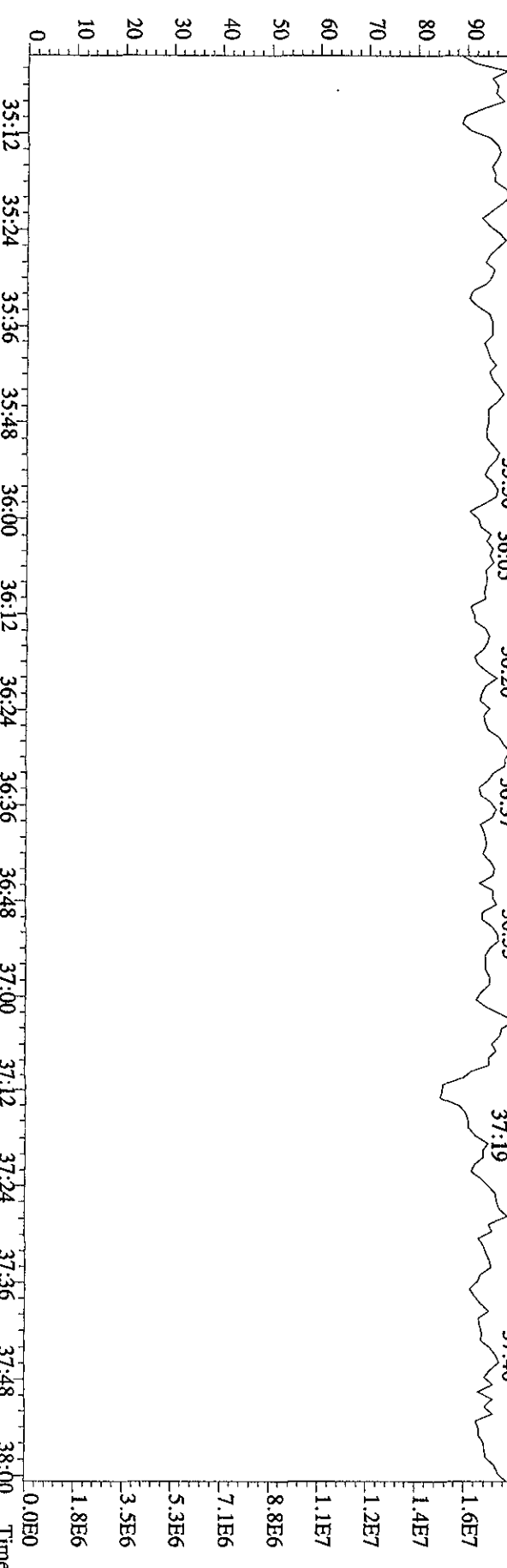
454.9728 S:17 F:5 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 35:16 35:34 35:49 35:58 36:10 36:32 36:49 37:03 37:20 37:29 37:40 37:52



442.9728 S:17 F:5 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

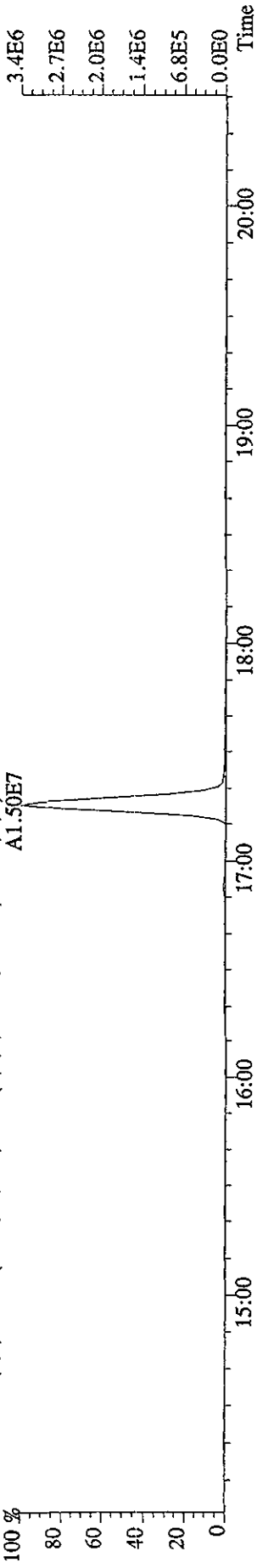
100% 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:29 36:37 36:48 37:00 37:12 37:24 37:36 37:48 38:00



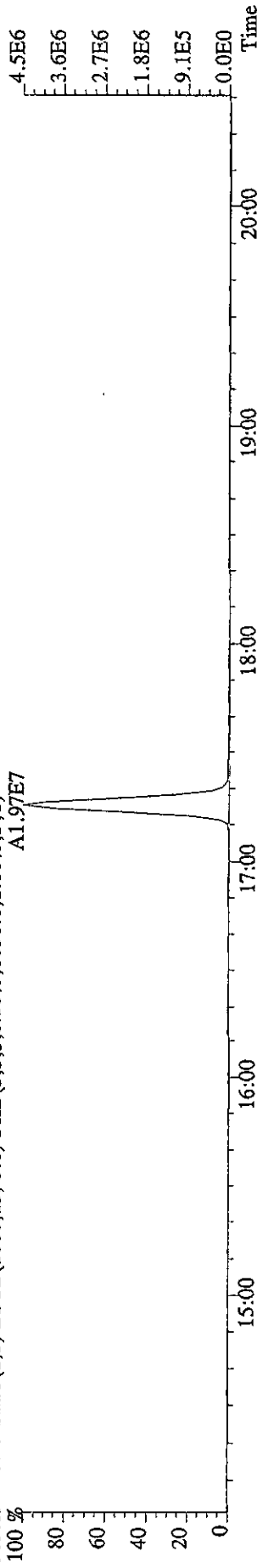
0.0E0 1.8E7 1.6E7 1.4E7 1.2E7 1.1E7 8.8E6 7.1E6 5.3E6 3.5E6 1.8E6

File:07OC101D5 #1-382 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES

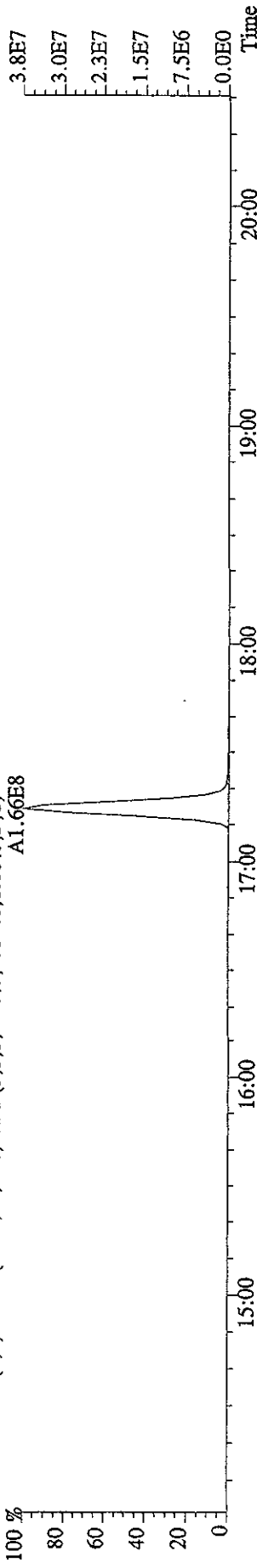
303.9016 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4900,0,1.00%,F,T)
100 % A1.50E7



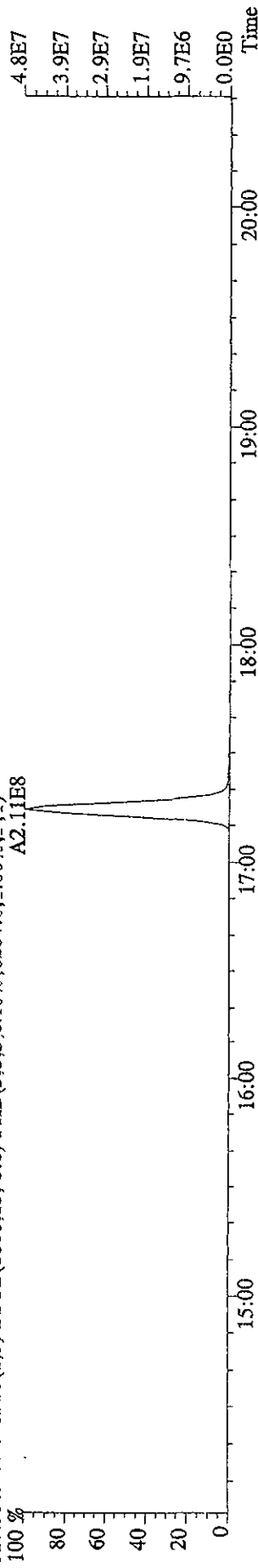
305.8987 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8036,0,1.00%,F,T)
100 % A1.97E7



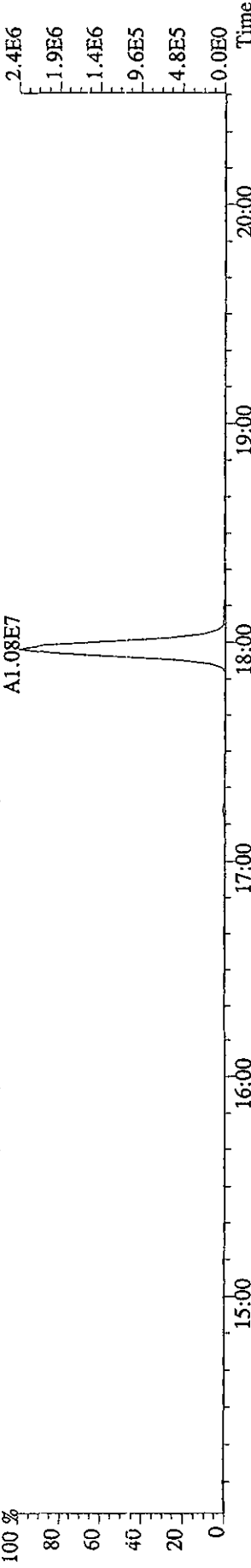
315.9419 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2532,0,1.00%,F,T)
100 % A1.66E8



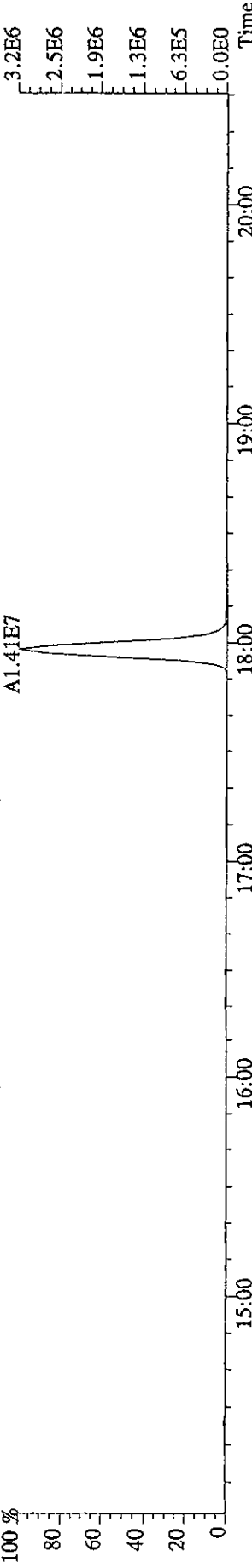
317.9389 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8264,0,1.00%,F,T)
100 % A2.11E8



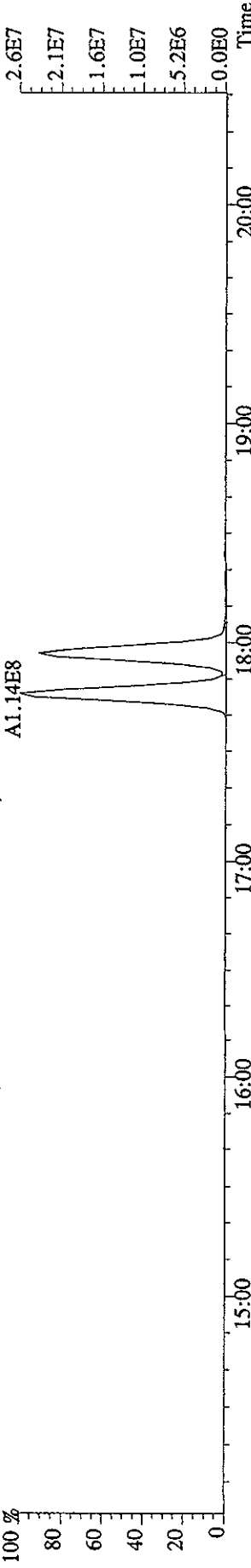
File:07OC101D5 #1-382 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES
 319.8965 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3744.0,1.00%,F,T)



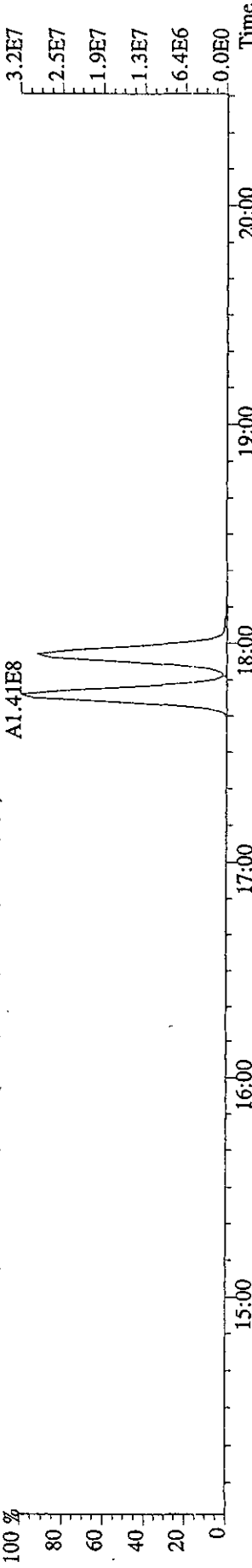
321.8936 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3308.0,1.00%,F,T)



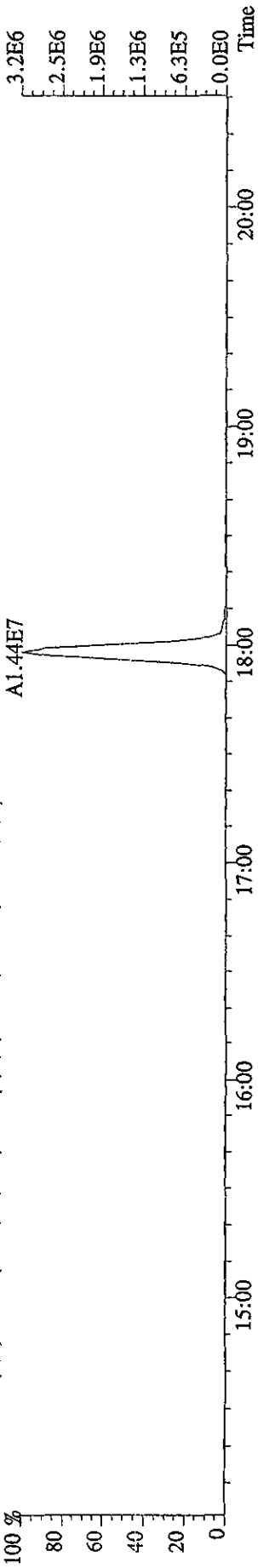
331.9368 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9504.0,1.00%,F,T)



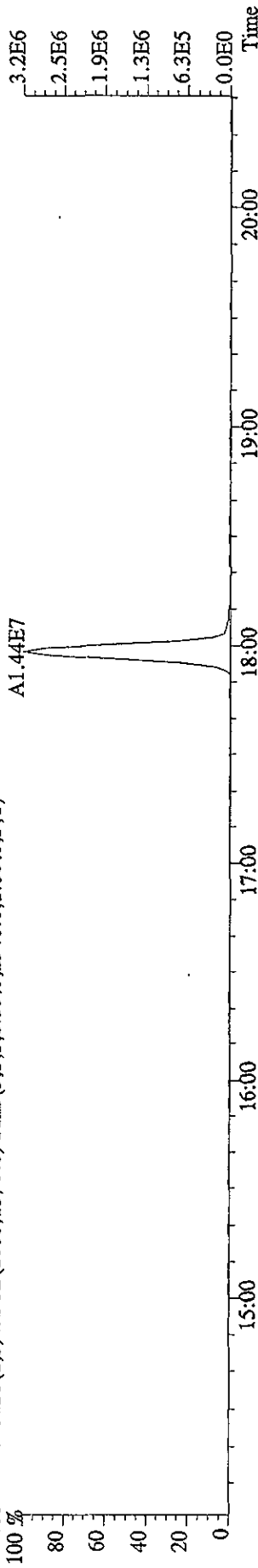
333.9339 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2196.0,1.00%,F,T)



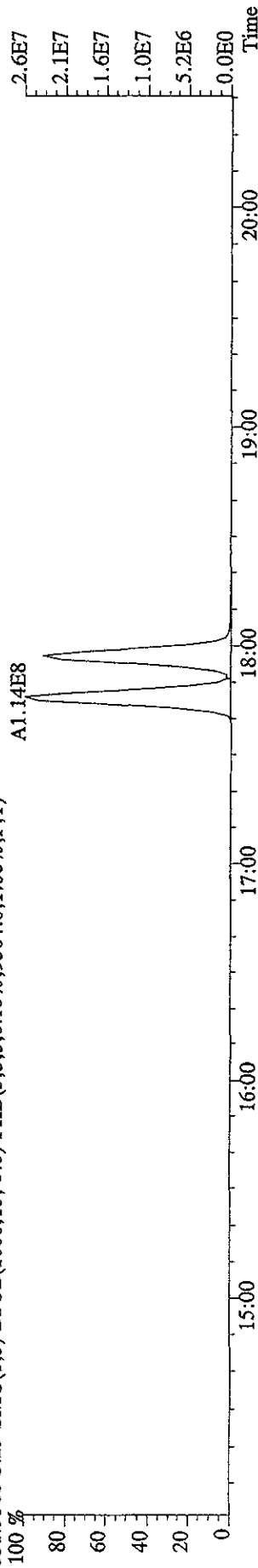
File:07OC101D5 #1-382 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES
 327.8847 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2940.0,1.00%,F,T)



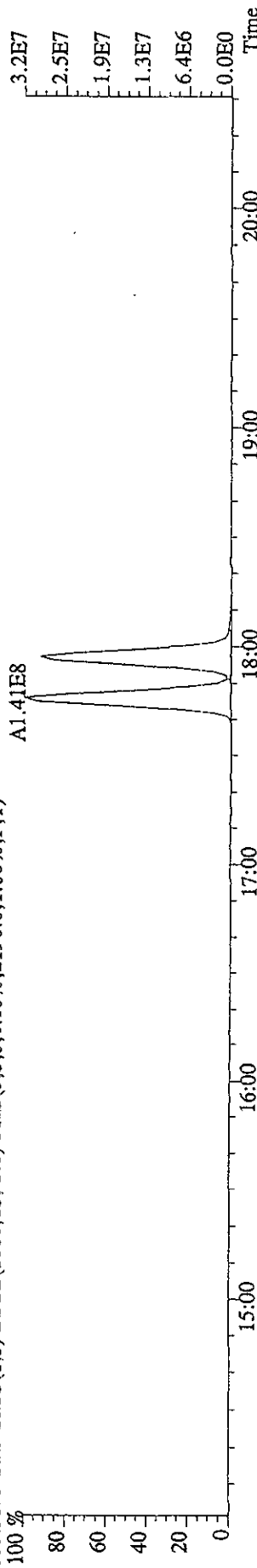
327.8847 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2940.0,1.00%,F,T)



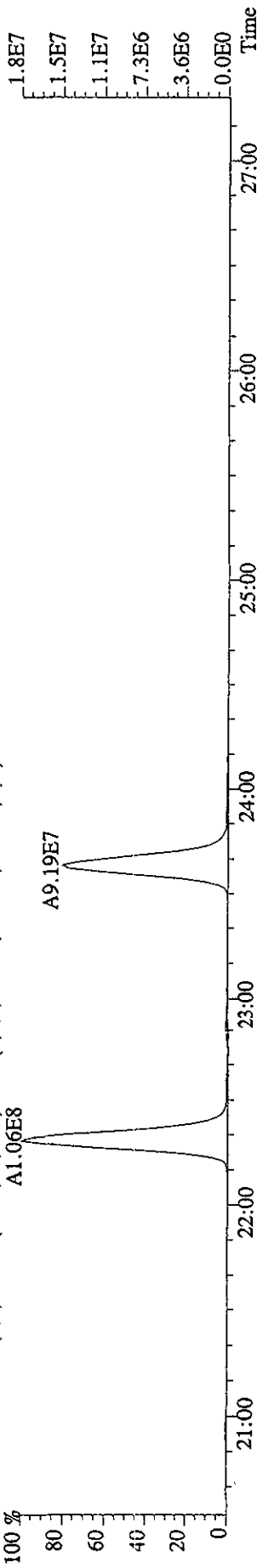
331.9368 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9504.0,1.00%,F,T)



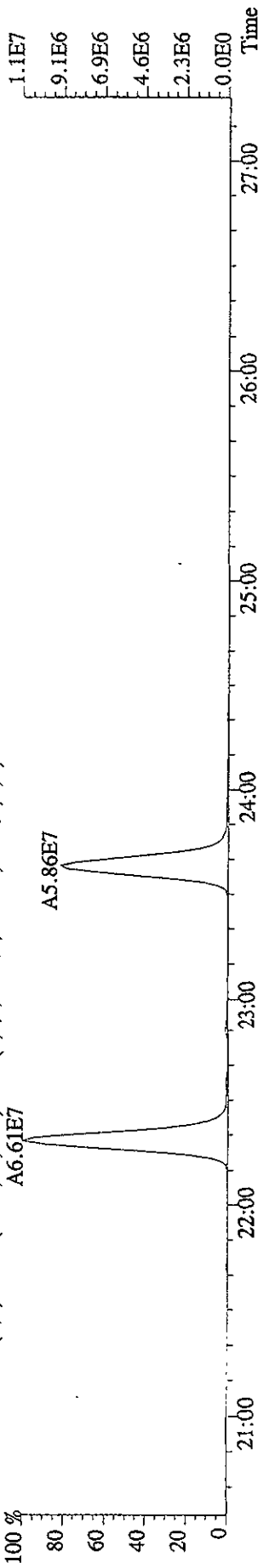
333.9339 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2196.0,1.00%,F,T)



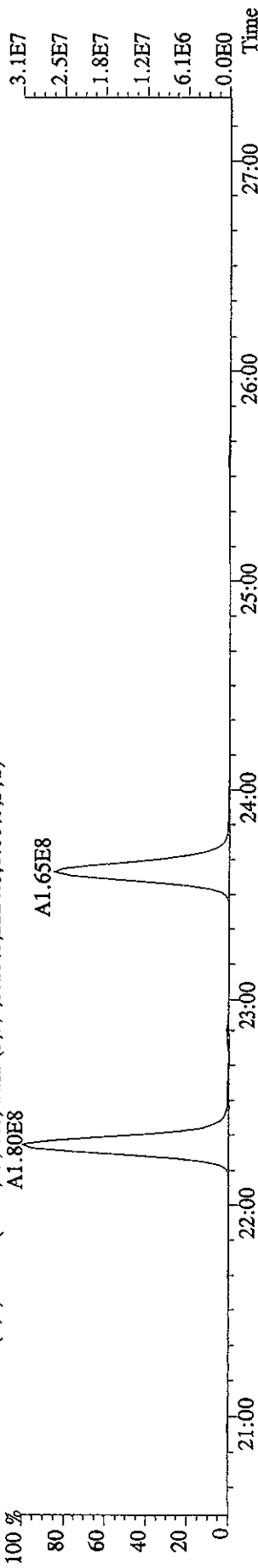
File:07OC101D5 #1-422 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES
 339.8597 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6620.0,1.00%,F,T)



341.8567 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6416.0,1.00%,F,T)

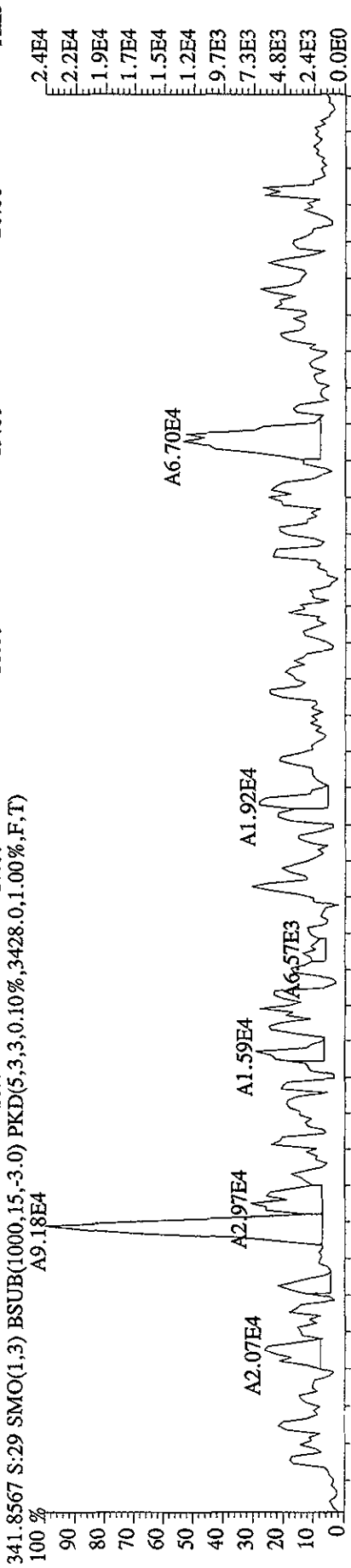
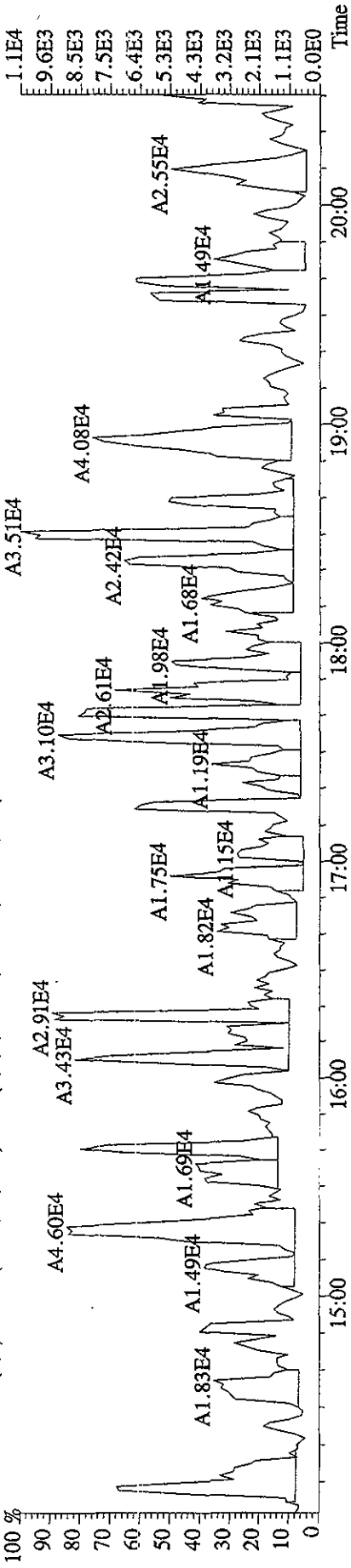


351.9900 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2224.0,1.00%,F,T)

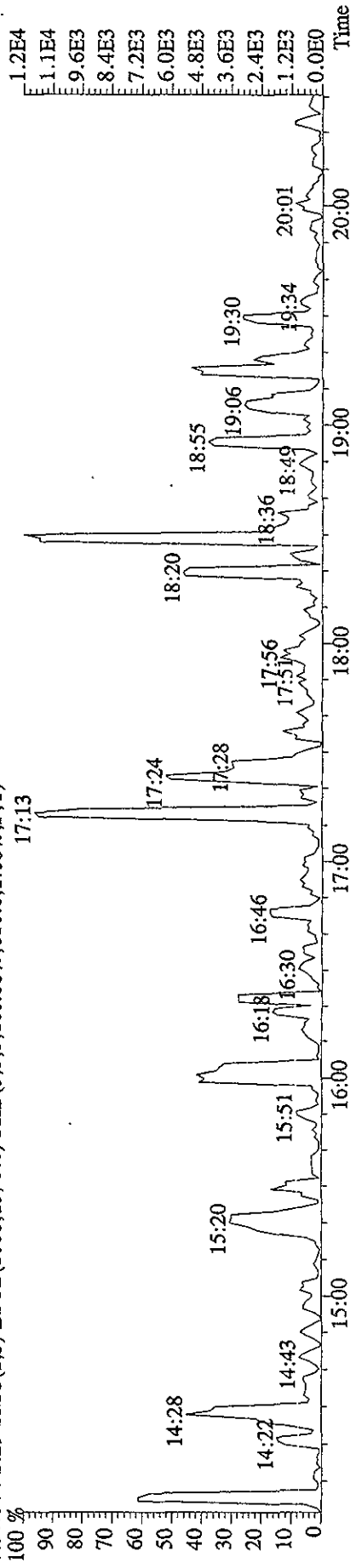


353.8970 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2648.0,1.00%,F,T)

File:07OC101D5 #1-382 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES
 339.8597 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1892.0,1.00%,F,T)

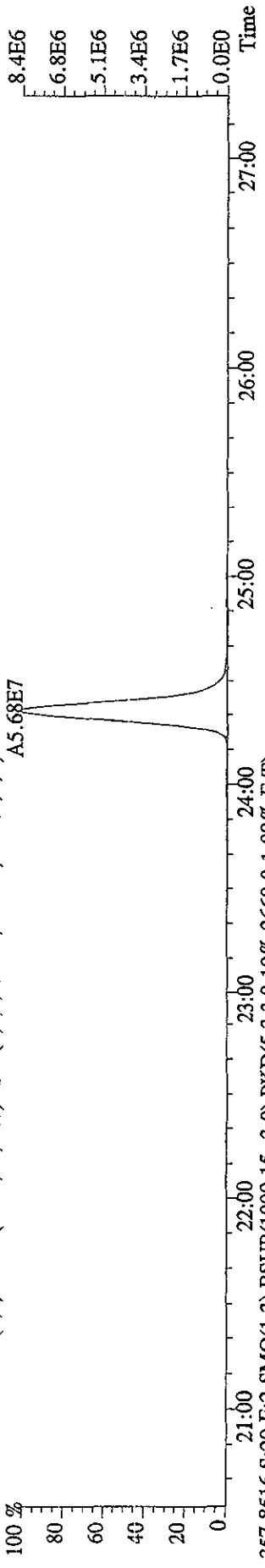


409.7974 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,816.0,1.00%,F,T)

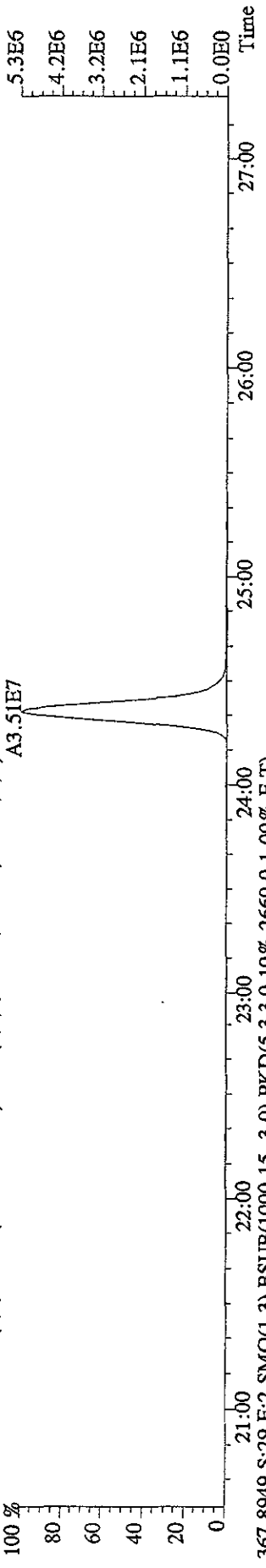


File:07OC101D5 #1-422 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES

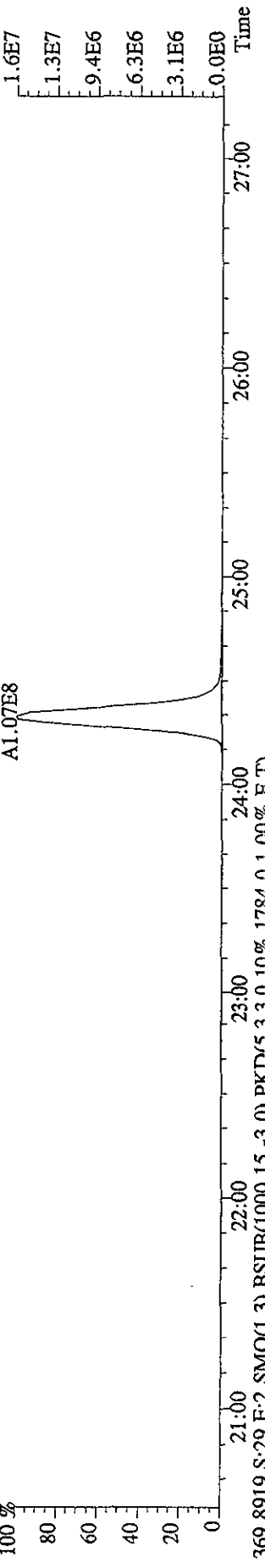
355.8546 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3564.0,1.00%,F,T)



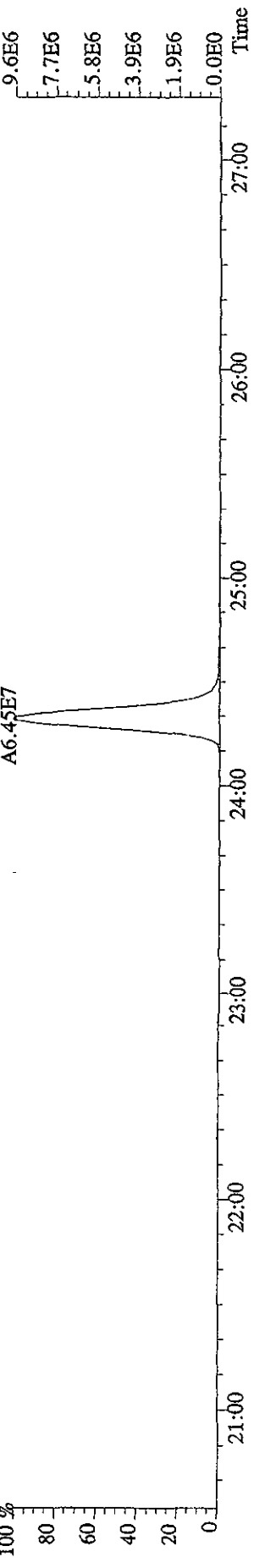
357.8516 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2660.0,1.00%,F,T)



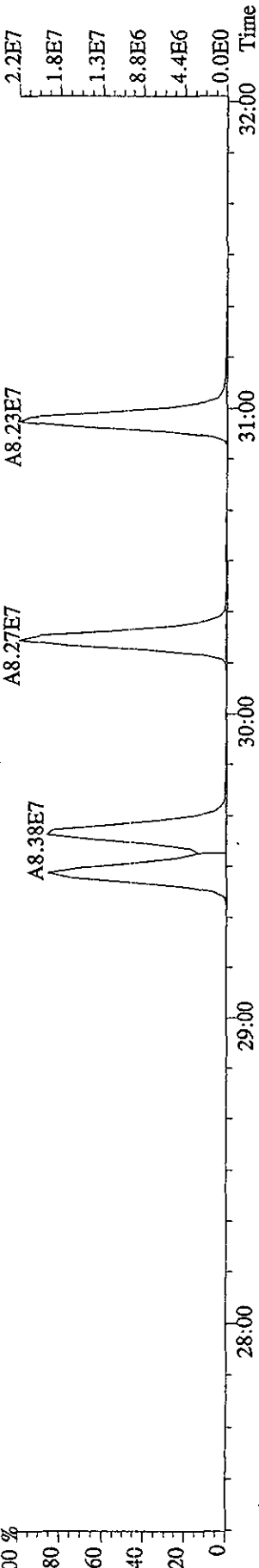
367.8949 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2660.0,1.00%,F,T)



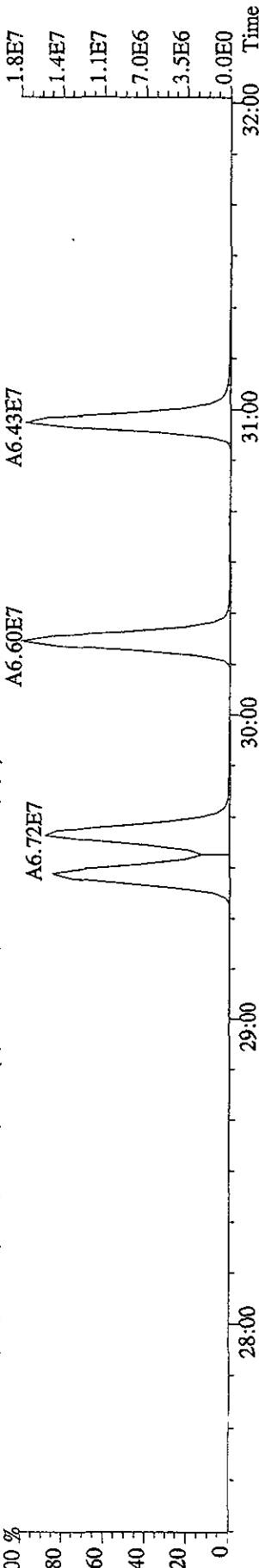
369.8919 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1784.0,1.00%,F,T)



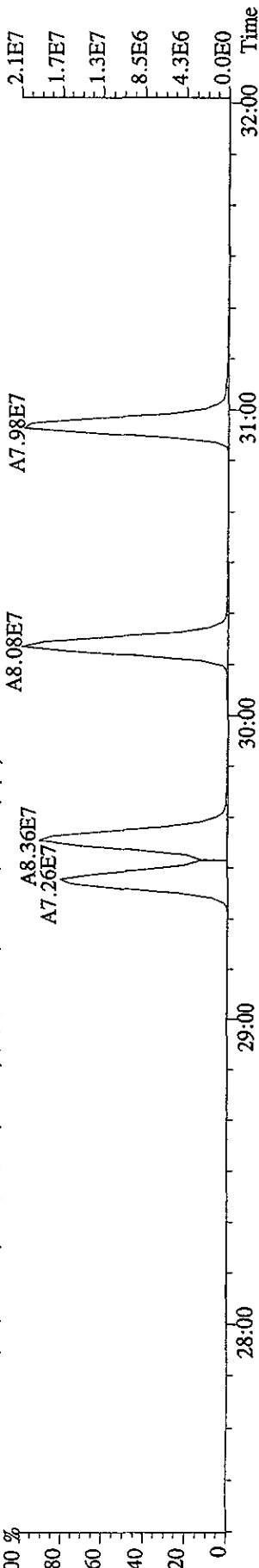
File:07OC101D5 #1-302 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES
 373.8208 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16296.0,1.00%,F,T)



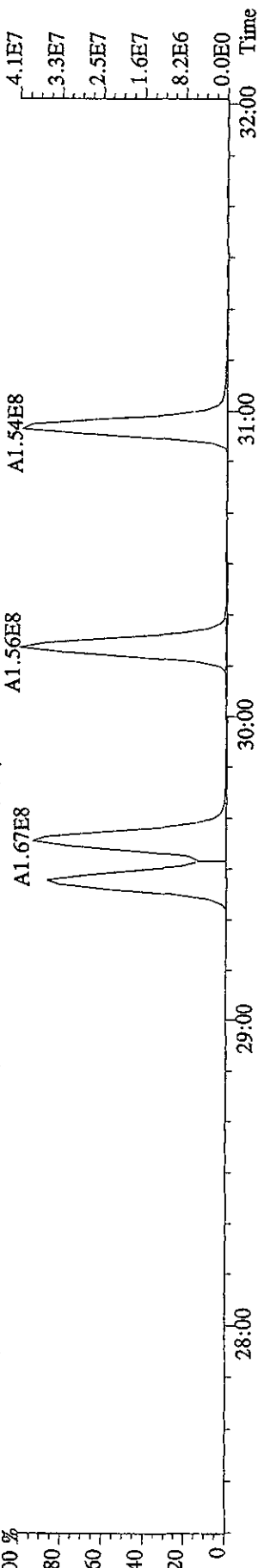
375.8178 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17508.0,1.00%,F,T)



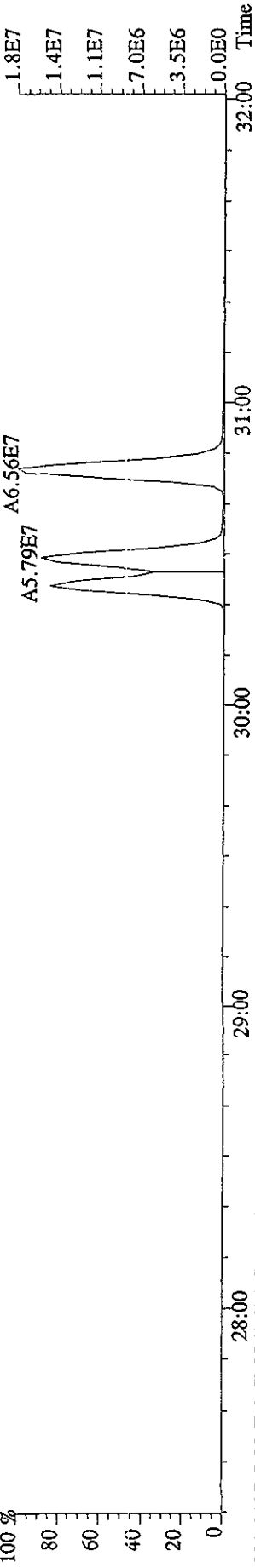
383.8639 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16588.0,1.00%,F,T)



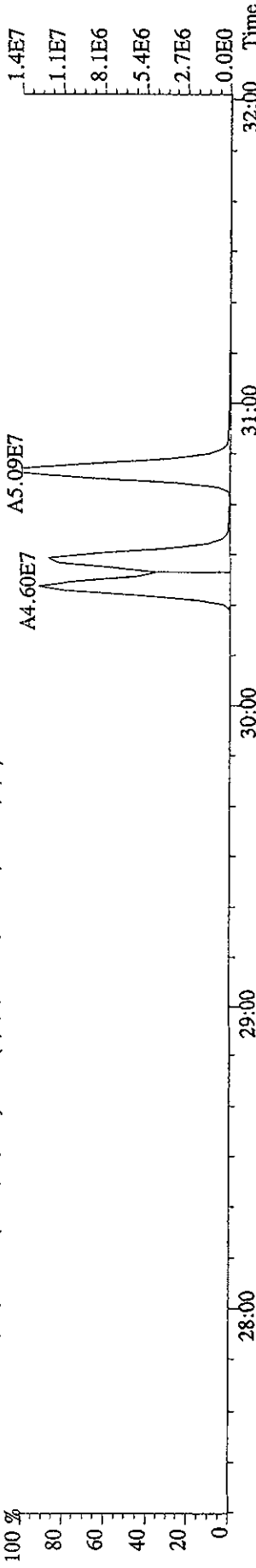
385.8610 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11556.0,1.00%,F,T)



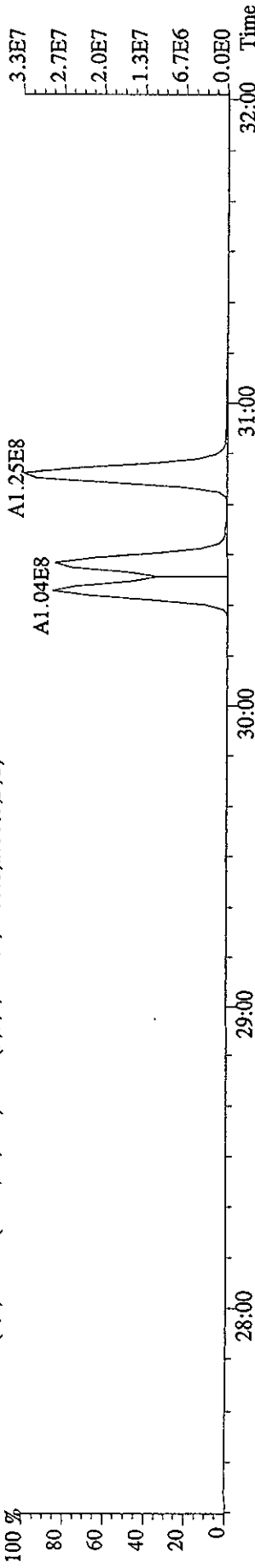
File:07OC101D5 #1-302 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES
 389.8157 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8300.0,1.00%,F,T)



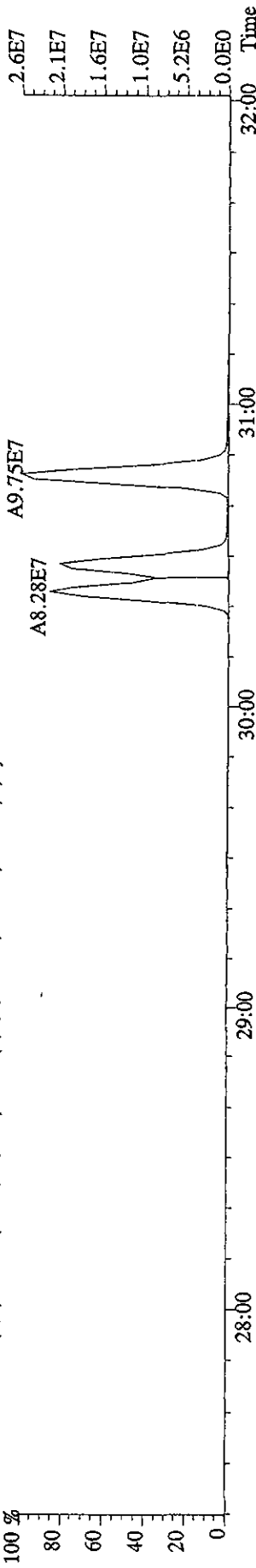
391.8127 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5040.0,1.00%,F,T)



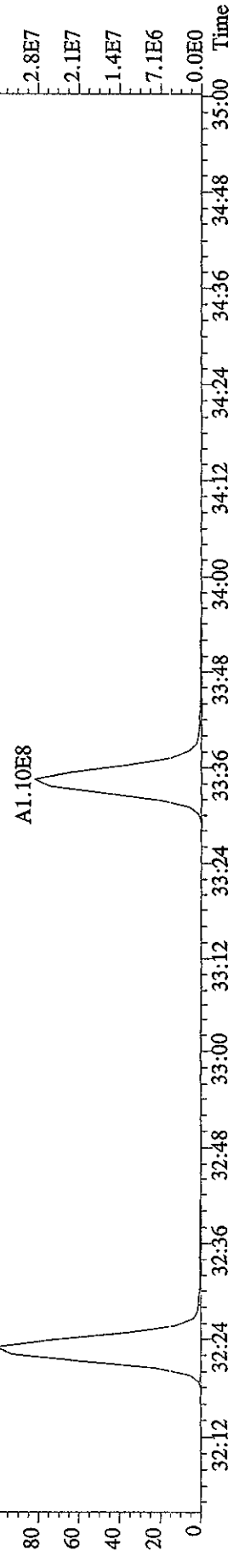
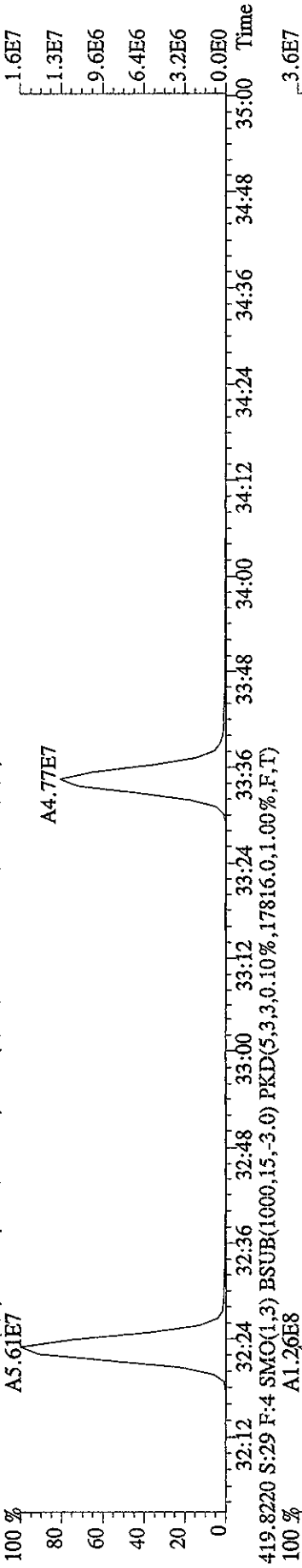
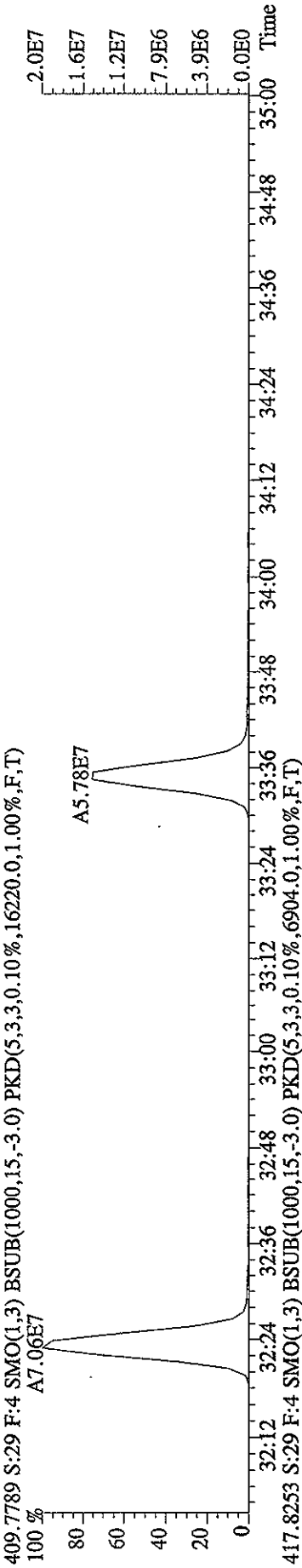
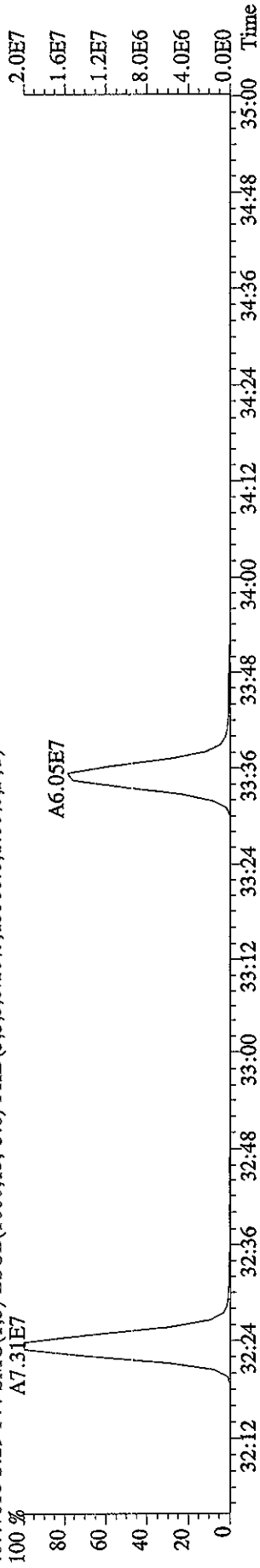
401.8559 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1560.0,1.00%,F,T)



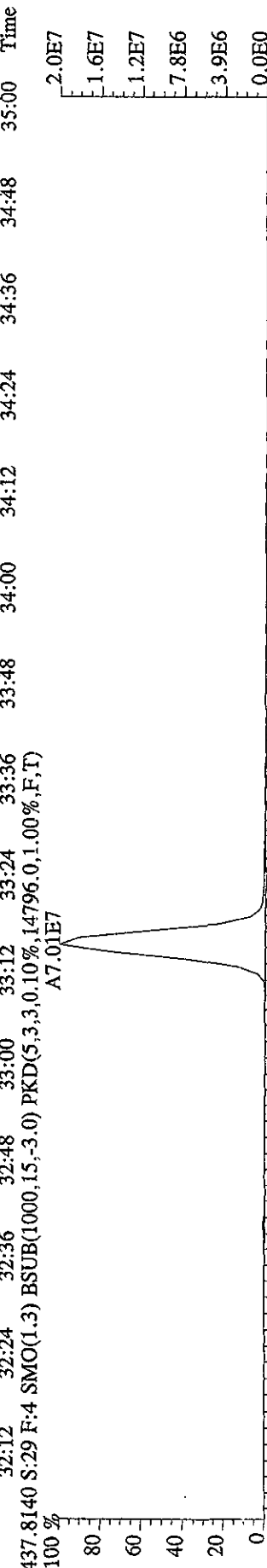
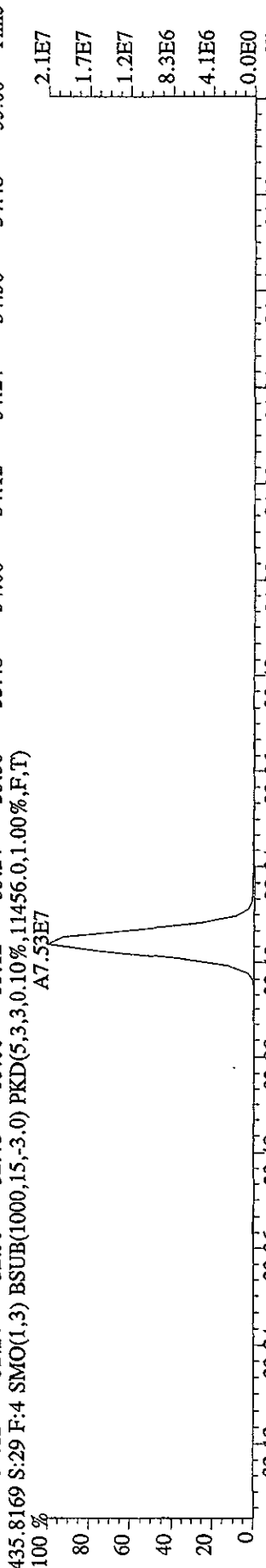
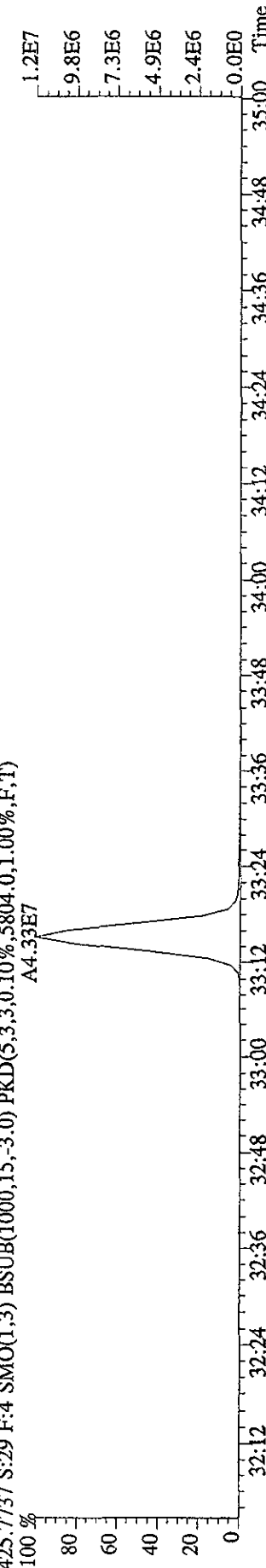
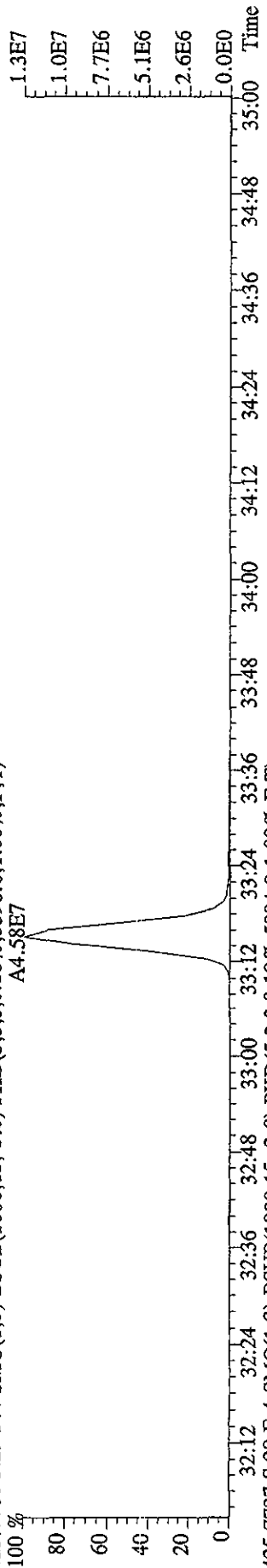
403.8529 S:29 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2852.0,1.00%,F,T)



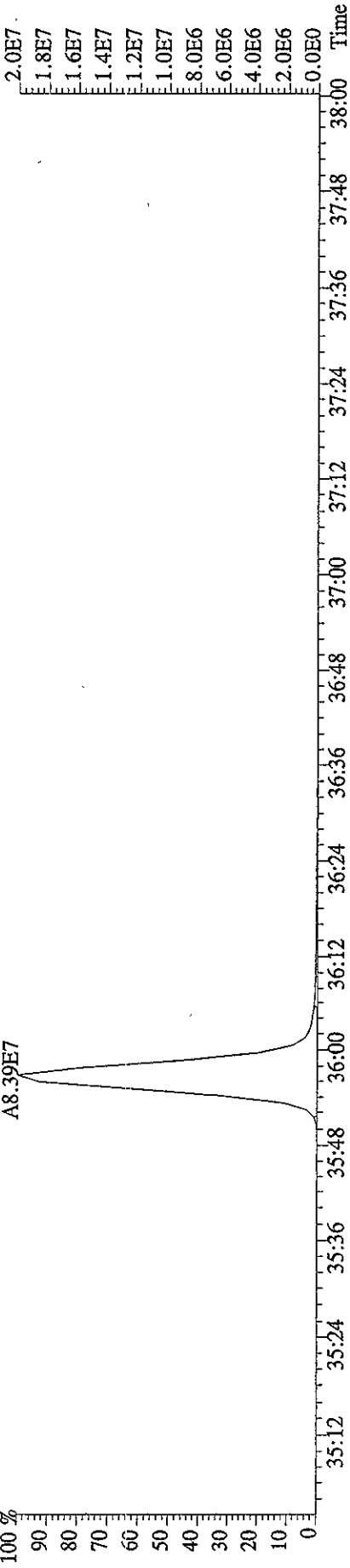
File: 07OC101D5 #1-202 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text: ST1007B :CS3 10DXN426 Exp: DIOXINRES
 407.7818 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13508.0,1.00%,F,T)
 100 %



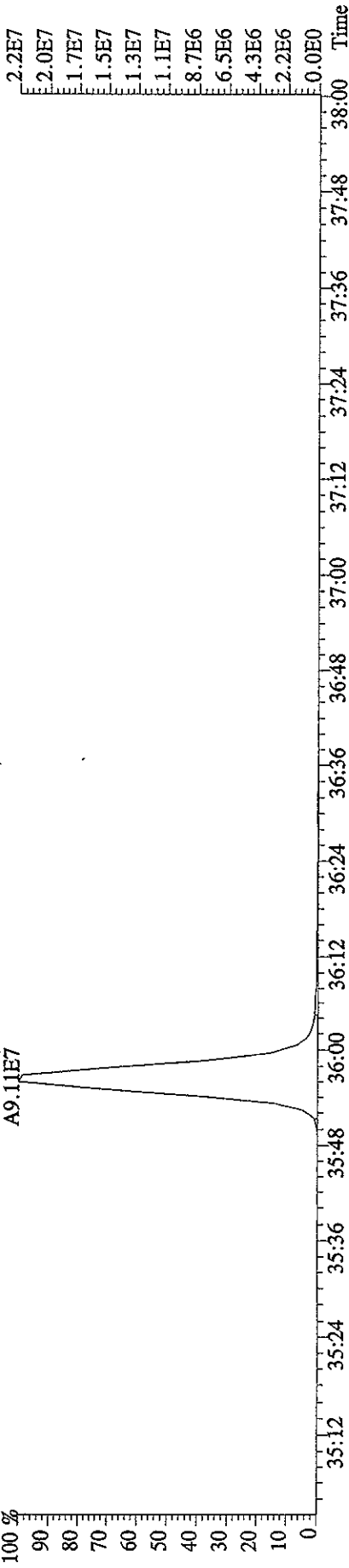
File:07OC101D5 #1-202 Acq: 8-OCT-2010 07:59:26 GC.EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES
 423.7766 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5396.0,1.00%,F,T)
 A4.58E7



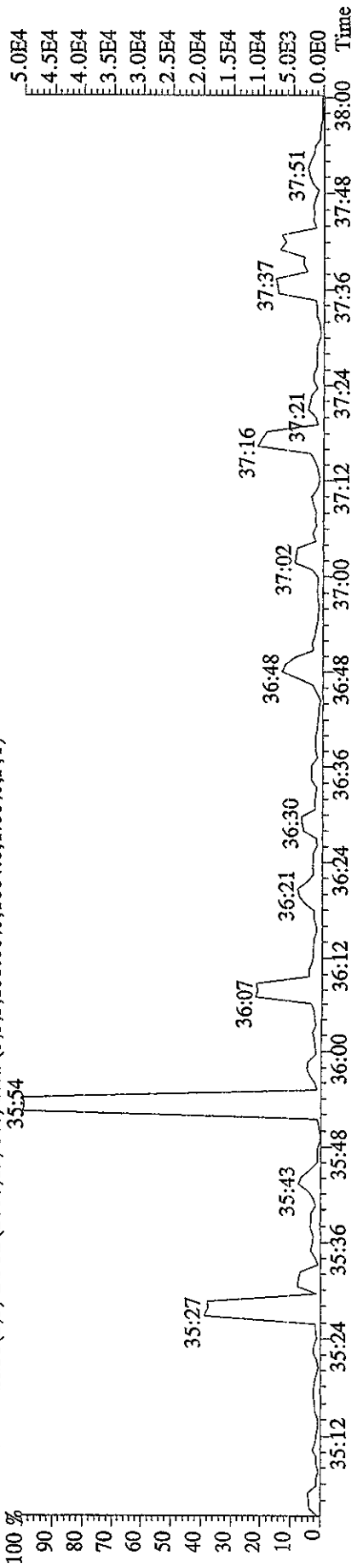
File:07OC101D5 #1-196 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DJOXINRES
 441.7428 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7856.0,1.00%,F,T)
 A8.39E7



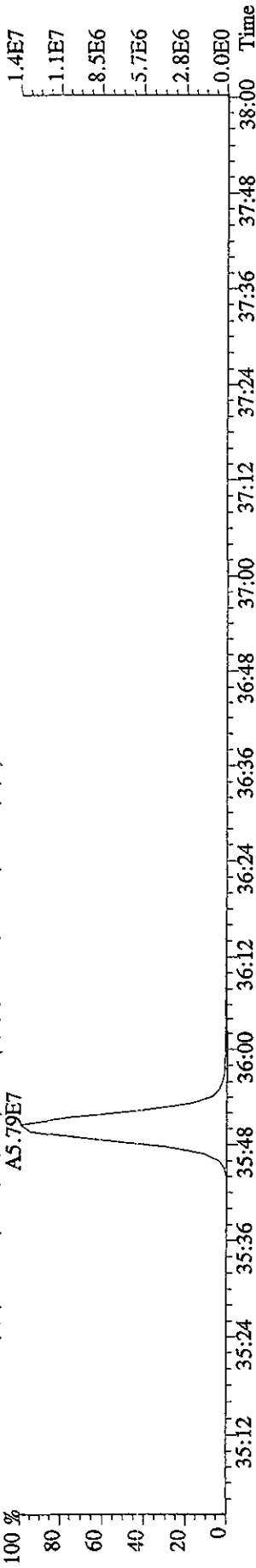
443.7399 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7600.0,1.00%,F,T)
 A9.11E7



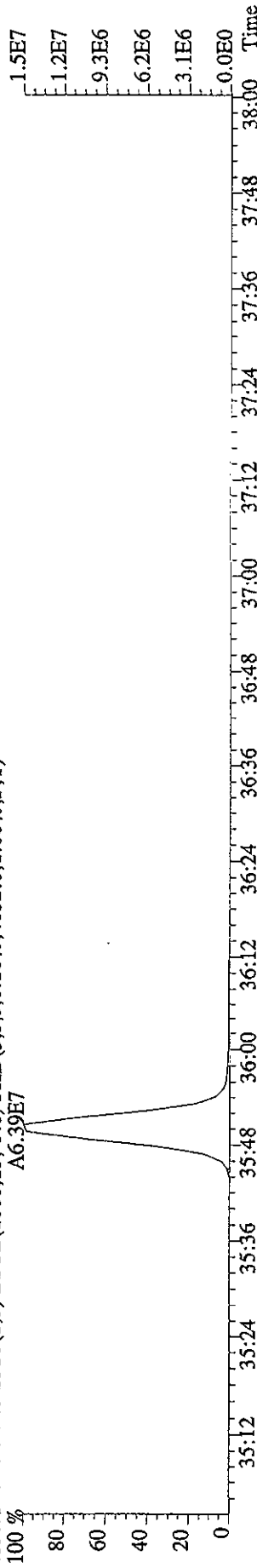
513.6775 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,1664.0,1.00%,F,T)
 35.54



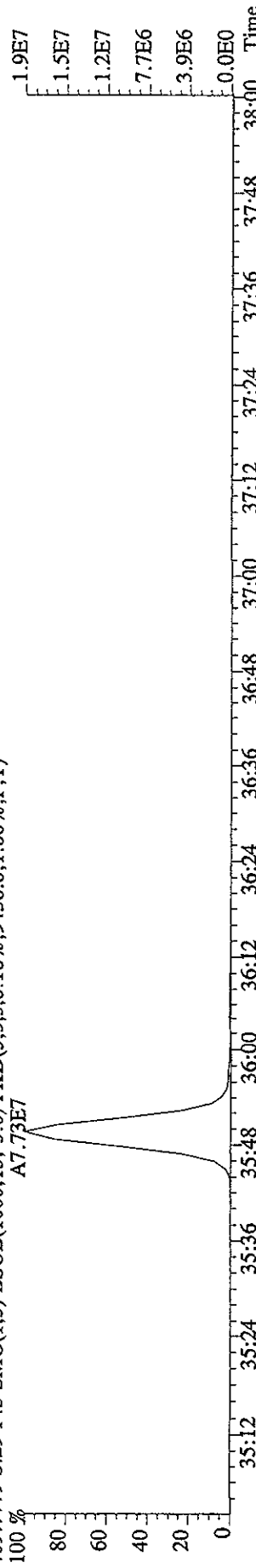
File:07OC101D5 #1-196 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES
 457.7377 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4740.0,1.00%,F,T)
 A5.79E7



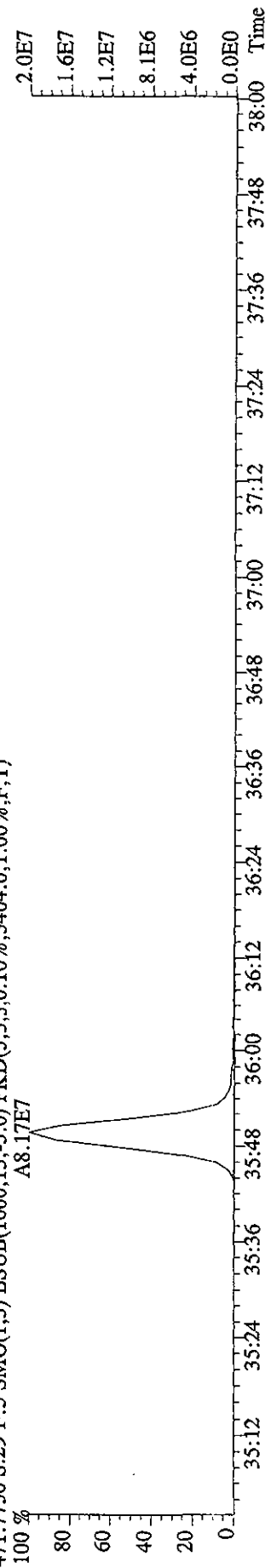
459.7348 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4652.0,1.00%,F,T)
 A6.39E7



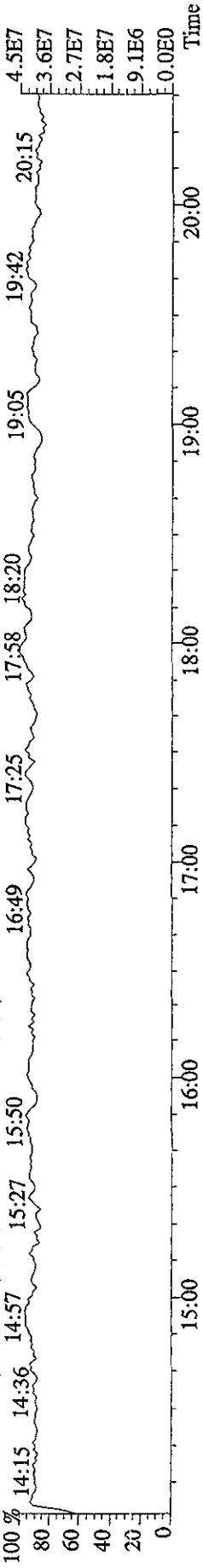
469.7779 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9456.0,1.00%,F,T)
 A7.73E7



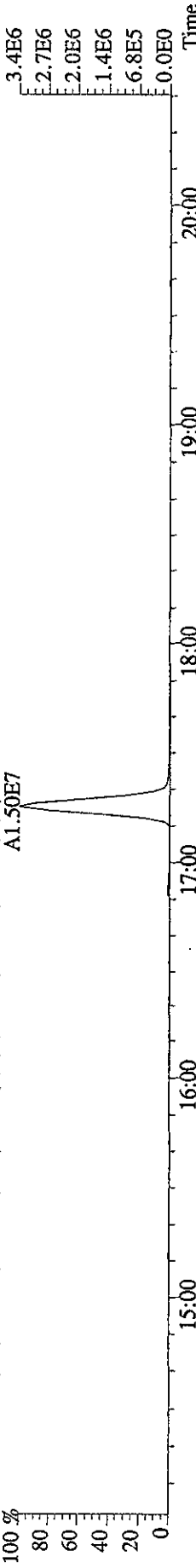
471.7750 S:29 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3404.0,1.00%,F,T)
 A8.17E7



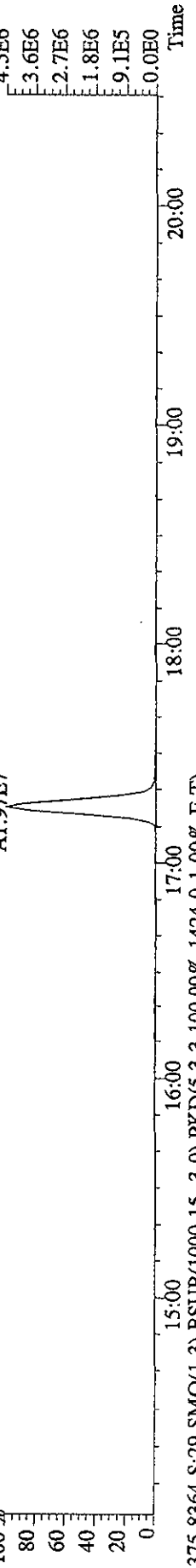
File:07OC101D5 #1-382 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINES
 292.9825 S:29 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 100% 14:15 14:36 14:57 15:27 15:50 16:49 17:25 17:58 18:20 19:05 19:42 20:15



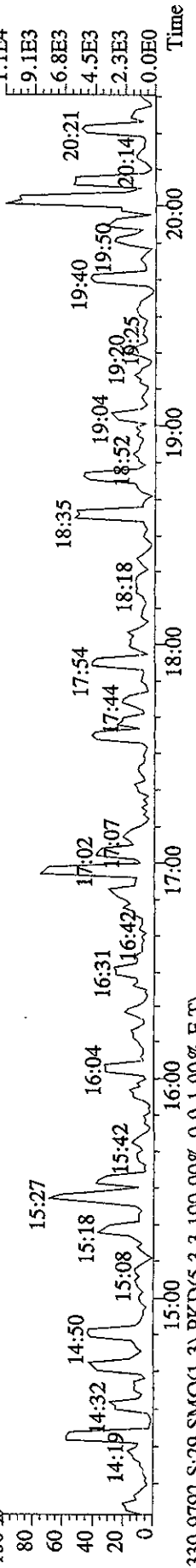
303.9016 S:29 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4900.0,1.00%,F,T)
 100% 15:00 16:00 17:00 17:00
 41.50E7



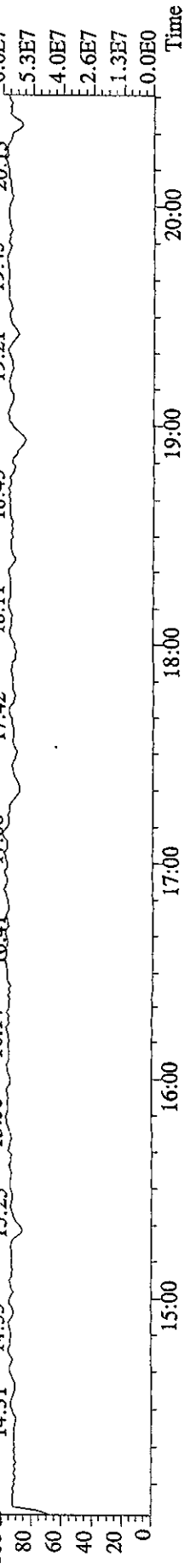
305.8987 S:29 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8036.0,1.00%,F,T)
 100% 15:00 16:00 17:00 17:00
 41.97E7



375.8364 S:29 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1424.0,1.00%,F,T)
 100% 15:00 16:00 17:00 17:00



330.9792 S:29 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 14:31 14:53 15:25 15:50 16:14 16:41 17:08 17:42 18:11 18:43 19:21 19:45 20:13

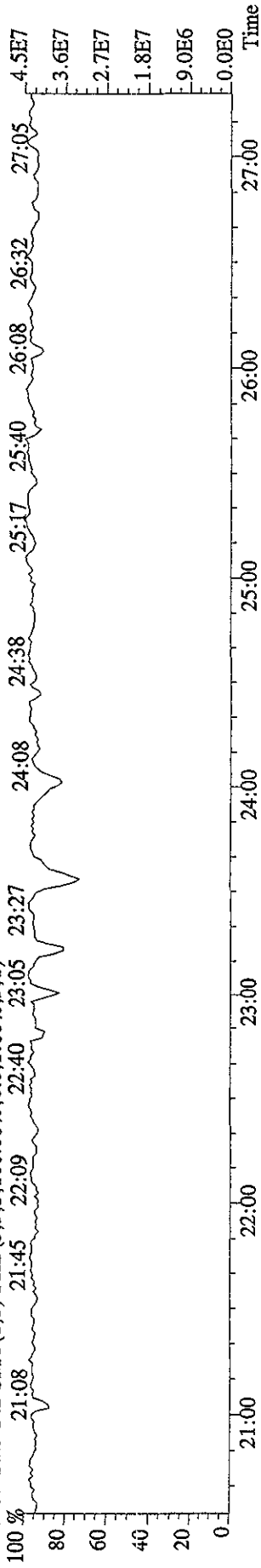


File:07OC101D5 #1-422 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE

Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES

342.9792 S:29 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

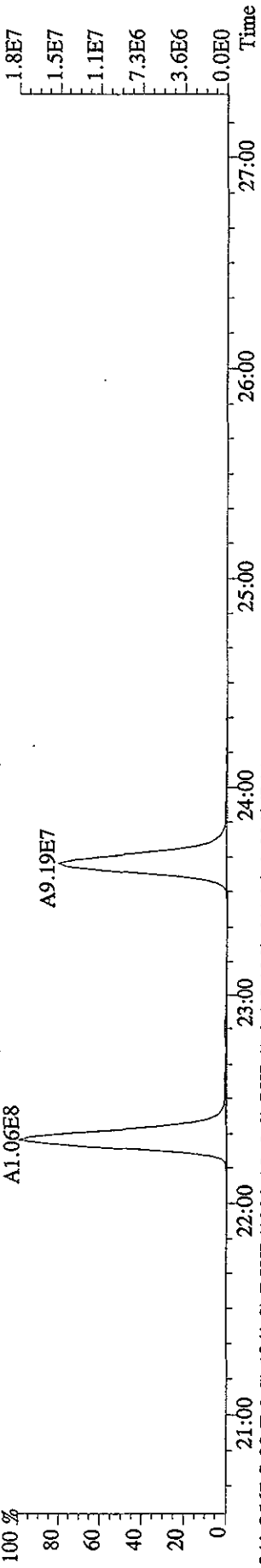
100 % 21:08 21:45 22:09 22:40 23:05 23:27



339.8597 S:29 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6620.0,1.00%,F,T)

100 % A1.06E8

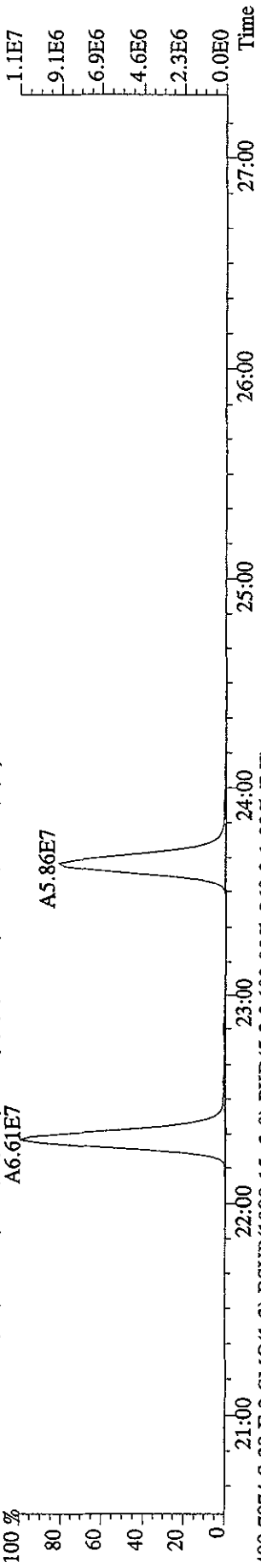
A9.19E7



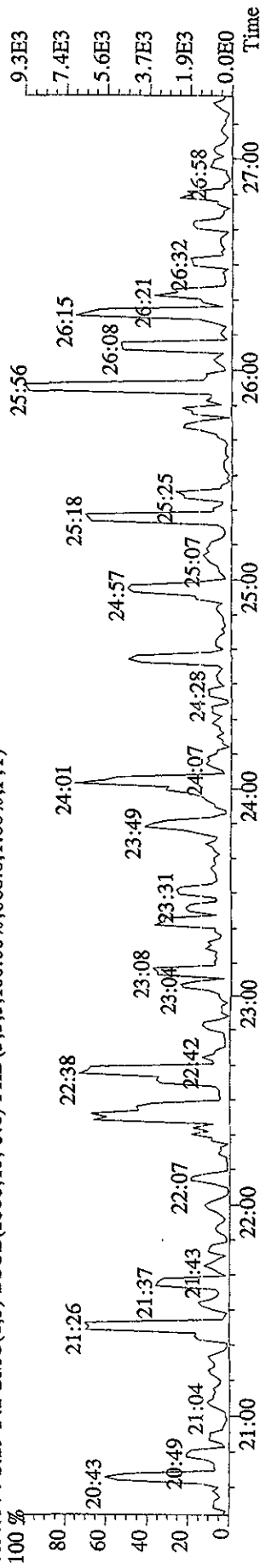
341.8567 S:29 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6416.0,1.00%,F,T)

100 % A6.61E7

A5.86E7



409.7974 S:29 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,868.0,1.00%,F,T)

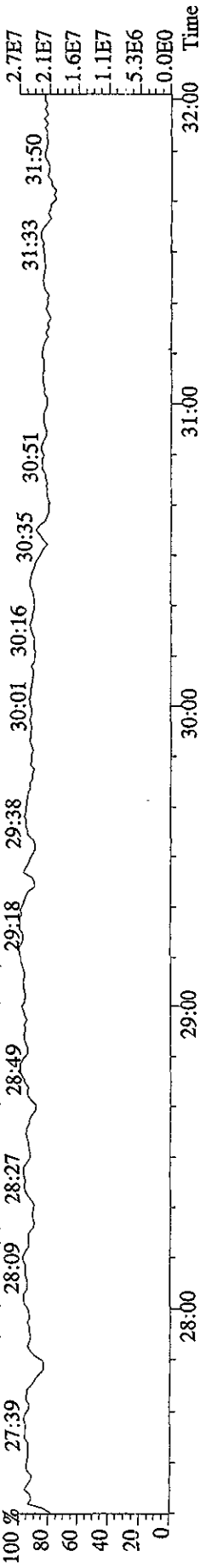


File:07OC101D5 #1-302 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE

Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES

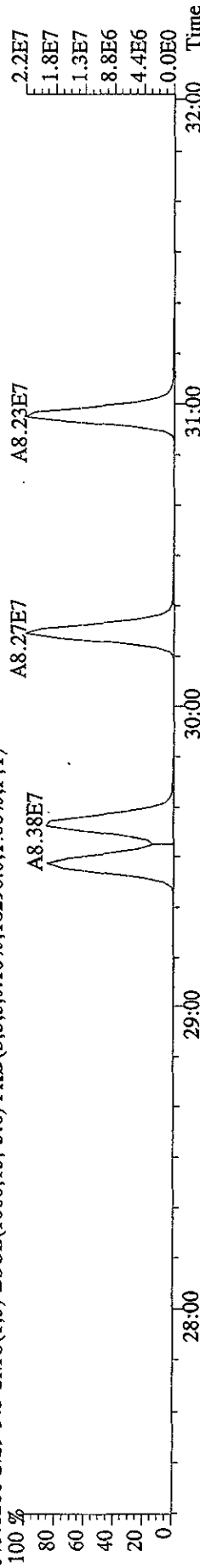
392.9760 S:29 F:3 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 27:39 28:09 28:27 28:49 29:18 29:38 30:01 30:16 30:35 30:51 31:33 31:50 2.7E7 2.1E7 1.6E7 1.1E7 5.3E6 0.0E0



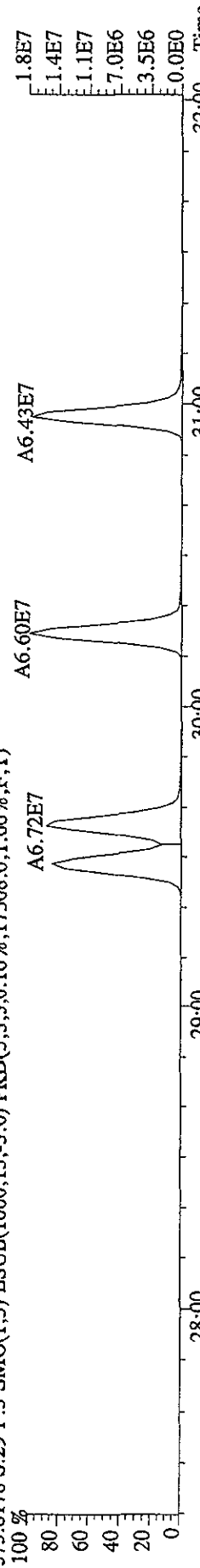
373.8208 S:29 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16296.0,1.00%,F,T)

100 % A8.38E7 A8.27E7 A8.23E7 2.2E7 1.8E7 1.3E7 8.8E6 4.4E6 0.0E0



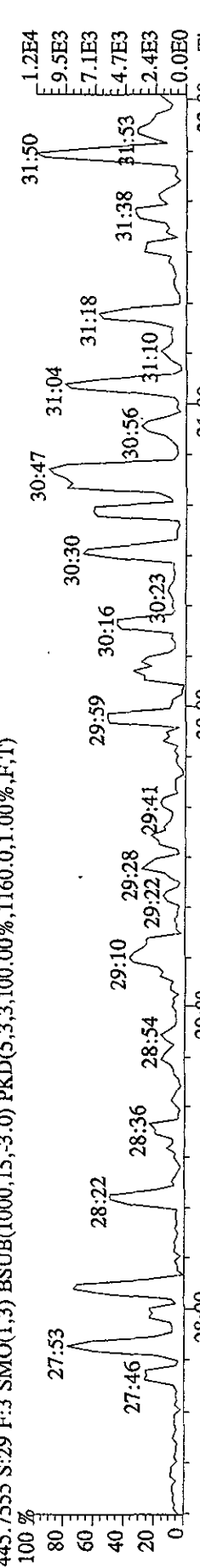
375.8178 S:29 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17508.0,1.00%,F,T)

100 % A6.72E7 A6.60E7 A6.43E7 1.8E7 1.4E7 1.1E7 7.0E6 3.5E6 0.0E0



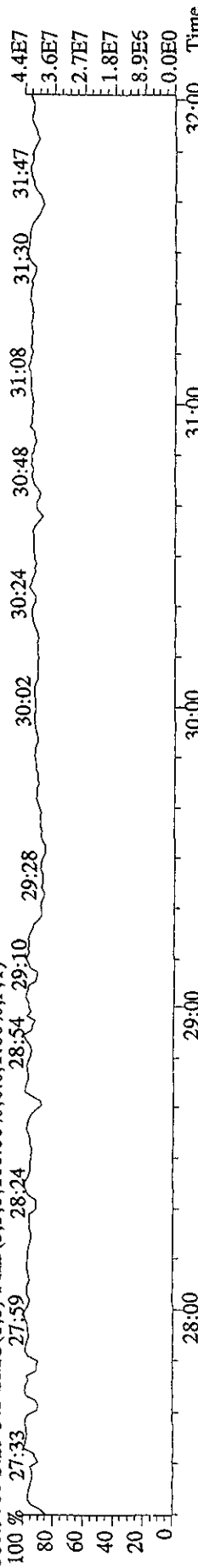
445.7555 S:29 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1160.0,1.00%,F,T)

100 % 27:53 27:46 28:22 28:36 28:54 29:10 29:22 29:28 29:41 30:23 30:16 30:30 30:47 31:04 31:18 31:38 31:53 1.2E4 9.5E3 7.1E3 4.7E3 2.4E3 0.0E0

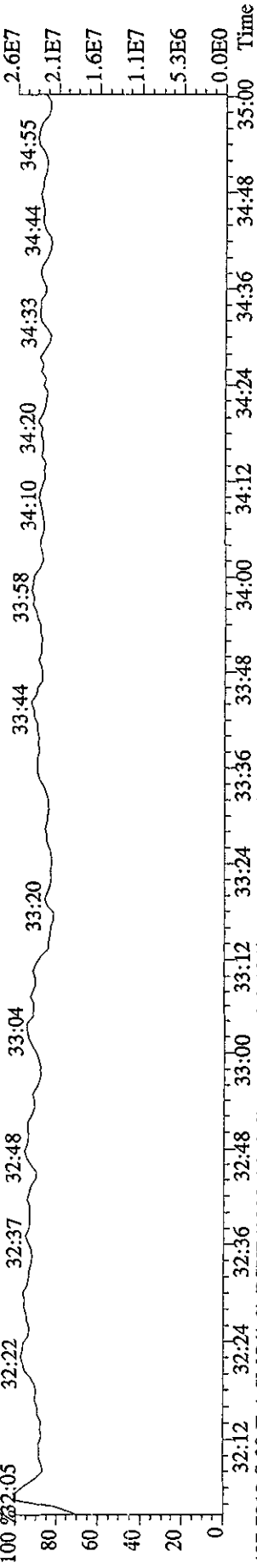


380.9760 S:29 F:3 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

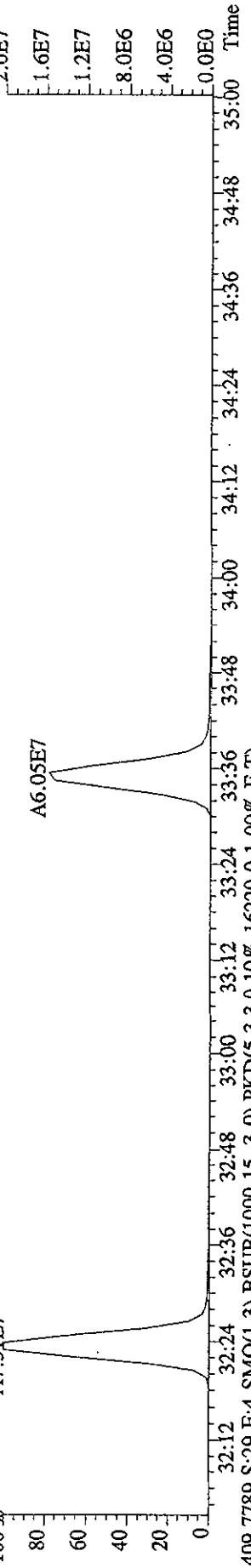
100 % 27:33 27:59 28:24 28:54 29:10 29:28 30:02 30:24 30:48 31:08 31:30 31:47 4.4E7 3.6E7 2.7E7 1.8E7 8.9E6 0.0E0



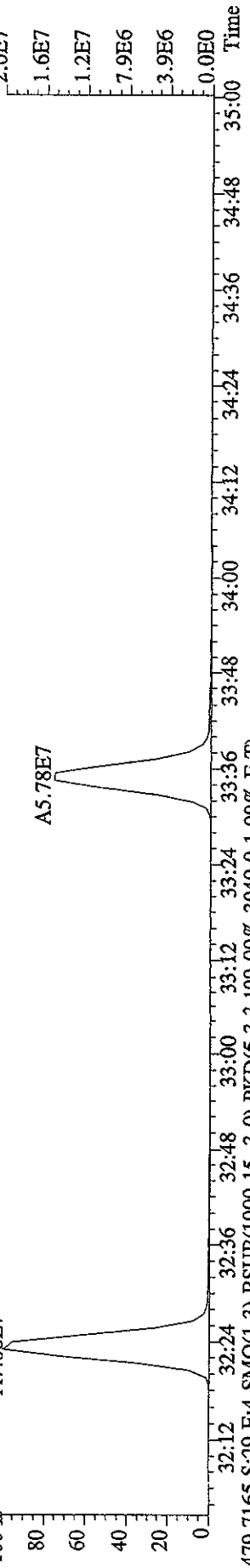
File:07OC101D5 #1-202 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES
 430.9728 S:29 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 32:05 32:22 32:37 32:48 33:04 33:20 33:44 33:58 34:10 34:20 34:33 34:44 34:55



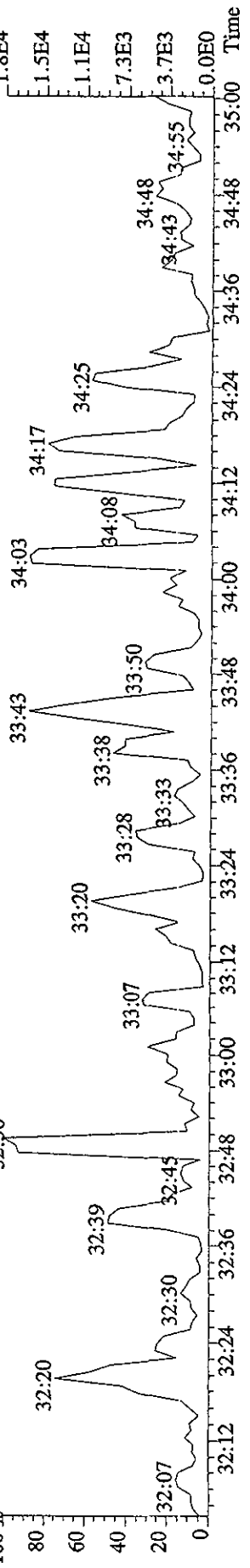
407.7818 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13508.0,1.00%,F,T)
 100 32:12 32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00



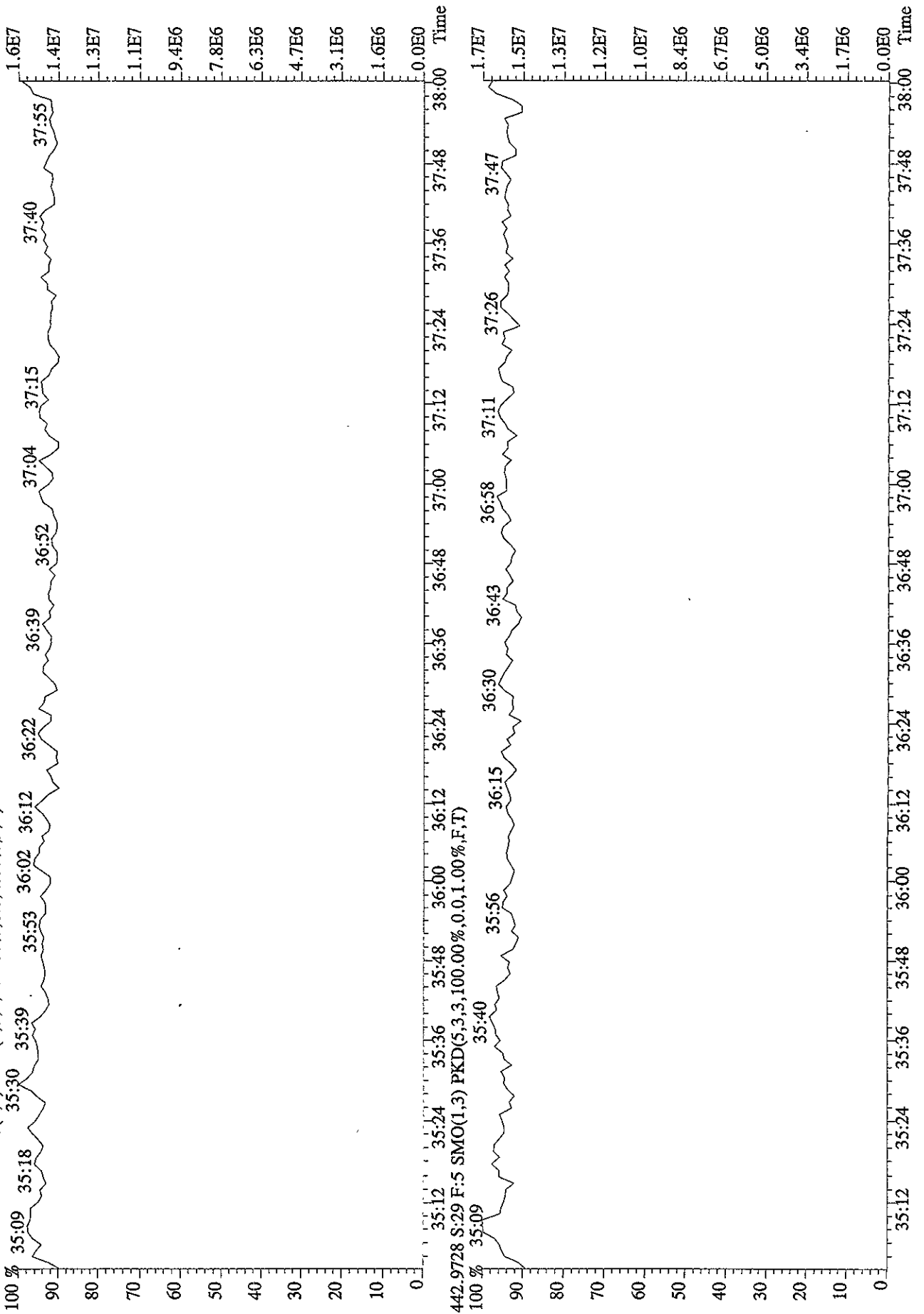
409.7789 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16220.0,1.00%,F,T)
 100 32:12 32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00



479.7165 S:29 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3040.0,1.00%,F,T)
 100 32:07 32:20 32:30 32:39 32:45 32:50 33:07 33:20 33:28 33:38 33:43 33:50 34:03 34:08 34:17 34:25 34:33 34:43 34:48 34:55



File:070C101D5 #1-196 Acq: 8-OCT-2010 07:59:26 GC EI+ Voltage SIR 70SE
 Sample#29 Text:ST1007B :CS3 10DXN426 Exp:DIOXINRES
 454.9728 S:29 F:5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)



Method ID TO9

Associated ICAL TO9 072110 405

Column ID DB5

Instrument ID 405

STD ID ST1012, ST1012A

STD Solution 10DXN461, 10DXN426

Analyzed by AS

Date Analyzed 10-12-10

Std. Pkg. By AS

Date Std. Pkg. Assembled 10-13-10

Std. Pkg. Reviewed By KSS

Date Std. Pkg. Reviewed 10/13/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits? **	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	AS 10/13/10 NA ✓	✓
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for all 1613B samples)	NA	NA

COMMENTS:

- * Method 8290/TO9/M0023A: (beginning) ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.
Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.
- Method 23: See Method 23 Daily Standard Criteria, Table 5.
- Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
- ** Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet
- Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST1012 File text: ST1012 :CS3 10DXN461
 Run #6 Filename 12OC104D5 S: 2 I: 1
 Acquired: 12-OCT-10 10:27:23 Processed: 12-OCT-10 16:40:47
 Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5 Results: 12OC104D5TO9

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	93440300	0.79 y	20:05	-	100.00	-	n
13C-2,3,7,8-TCDF	114734900	0.78 y	19:29	1.23	100.00	-0.1	n
2,3,7,8-TCDF	10377360	0.79 y	19:31	0.90	10.00	-9.1	n
Total TCDF	10721763	0.59 n	16:42	0.90	10.00	-9.1	n
13C-2,3,7,8-TCDD	90571100	0.80 y	20:18	0.97	100.00	7.1	n
2,3,7,8-TCDD	8781640	0.78 y	20:20	0.97	10.00	-1.4	n
Total TCDD	8973593	0.61 n	17:44	0.97	10.00	-1.4	n
37Cl-2,3,7,8-TCDD	11319560	1.00 y	20:20	1.25	10.00	-5.8	n
13C-1,2,3,7,8-PeCDF	89836600	1.51 y	25:24	0.96	100.00	9.7	n
1,2,3,7,8-PeCDF	48057900	1.57 y	25:26	1.07	50.00	-0.6	n
2,3,4,7,8-PeCDF	44987600	1.52 y	26:59	1.00	50.00	-4.2	n
Total F2 PeCDF	93844400	1.57 y	25:26	1.04	100.00	-2.4	n
Total F1 PeCDF	100973	0.59 n	15:57	1.04	100.00	-2.4	n
13C-1,2,3,7,8-PeCDD	66668400	1.57 y	27:50	0.71	100.00	8.0	n
1,2,3,7,8-PeCDD	32644600	1.53 y	27:51	0.98	50.00	5.8	n
Total PeCDD	32847352	1.02 n	24:05	0.98	50.00	5.8	n
13C-1,2,3,7,8,9-HxCDD	56920200	1.29 y	33:25	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	49947100	0.49 y	32:20	0.88	100.00	-16.0	n
1,2,3,4,7,8-HxCDF	27775900	1.09 y	32:21	1.11	50.00	-8.6	n
1,2,3,6,7,8-HxCDF	34689700	1.12 y	32:27	1.39	50.00	8.4	n
2,3,4,6,7,8-HxCDF	30600300	1.11 y	32:59	1.23	50.00	-0.7	n
1,2,3,7,8,9-HxCDF	26536800	1.14 y	33:37	1.06	50.00	-3.2	n
Total HxCDF	119907696	1.01 n	31:10	1.20	200.00	-0.9	n
13C-1,2,3,6,7,8-HxCDD	44077500	1.26 y	33:09	0.77	100.00	-6.8	y
1,2,3,4,7,8-HxCDD	24569000	1.22 y	33:06	1.11	50.00	7.5	y
1,2,3,6,7,8-HxCDD	24799500	1.25 y	33:10	1.13	50.00	-3.2	y
1,2,3,7,8,9-HxCDD	27573500	1.26 y	33:26	1.25	50.00	5.9	n
Total HxCDD	77341863	2.14 n	32:36	1.16	150.00	3.2	y
13C-1,2,3,4,6,7,8-HpCDF	48877300	0.44 y	34:58	0.86	100.00	-5.6	n
1,2,3,4,6,7,8-HpCDF	33936400	1.05 y	34:58	1.39	50.00	3.2	n
1,2,3,4,7,8,9-HpCDF	27596600	1.06 y	36:08	1.13	50.00	3.3	n
Total HpCDF	61915274	1.05 y	34:58	1.26	100.00	3.2	n
13C-1,2,3,4,6,7,8-HpCDD	46327500	1.08 y	35:47	0.81	100.00	-1.5	n
1,2,3,4,6,7,8-HpCDD	24918400	1.04 y	35:48	1.08	50.00	0.4	n
Total HpCDD	25182215	0.83 n	35:14	1.08	50.00	0.4	n
13C-OCDD	60913800	0.89 y	38:22	0.54	200.00	-13.7	n
OCDF	36618500	0.88 y	38:29	1.20	100.00	-12.3	n
OCDD	34337200	0.89 y	38:23	1.13	100.00	-6.0	n

Run text: ST1012 File text: ST1012 :CS3 10DXN461
 Run #6 Filename 12OC104D5 S: 2 I: 1
 Acquired: 12-OCT-10 10:27:23 Processed: 12-OCT-10 16:49:27
 Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5 Results:

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	93440256	0.79 y	20:05	-	100.00	-	n
13C-2,3,7,8-TCDF	114734916	0.78 y	19:29	1.23	100.00	-0.1	n
2,3,7,8-TCDF	10377364	0.79 y	19:31	0.90	10.00	-9.1	n
Total TCDF	10721767	0.59 n	16:42	0.90	10.00	-9.1	n
13C-2,3,7,8-TCDD	90571132	0.80 y	20:18	0.97	100.00	7.1	n
2,3,7,8-TCDD	8781641	0.78 y	20:20	0.97	10.00	-1.4	n
Total TCDD	8973595	0.61 n	17:44	0.97	10.00	-1.4	n
37Cl-2,3,7,8-TCDD	11319562	1.00 y	20:20	1.25	10.00	-5.8	n
13C-1,2,3,7,8-PeCDF	89836604	1.51 y	25:24	0.96	100.00	9.7	n
1,2,3,7,8-PeCDF	48057924	1.57 y	25:26	1.07	50.00	-0.6	n
2,3,4,7,8-PeCDF	44987624	1.52 y	26:59	1.00	50.00	-4.2	n
Total F2 PeCDF	93844448	1.57 y	25:26	1.04	100.00	-2.4	n
Total F1 PeCDF	100973	0.59 n	15:57	1.04	100.00	-2.4	n
13C-1,2,3,7,8-PeCDD	66668470	1.57 y	27:50	0.71	100.00	8.0	n
1,2,3,7,8-PeCDD	32644588	1.53 y	27:51	0.98	50.00	5.8	n
Total PeCDD	32847340	1.02 n	24:05	0.98	50.00	5.8	n
13C-1,2,3,7,8,9-HxCDD	56920218	1.29 y	33:25	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	49947119	0.49 y	32:20	0.88	100.00	-16.0	n
1,2,3,4,7,8-HxCDF	27775904	1.09 y	32:21	1.11	50.00	-8.6	n
1,2,3,6,7,8-HxCDF	34689762	1.12 y	32:27	1.39	50.00	8.4	n
2,3,4,6,7,8-HxCDF	30600301	1.11 y	32:59	1.23	50.00	-0.7	n
1,2,3,7,8,9-HxCDF	26536855	1.14 y	33:37	1.06	50.00	-3.2	n
Total HxCDF	119907818	1.01 n	31:10	1.20	200.00	-0.9	n
13C-1,2,3,6,7,8-HxCDD	93894512	1.28 y	33:05	1.65	100.00	98.6	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	*	50.00	*	n
1,2,3,6,7,8-HxCDD	49309032	1.23 y	33:10	1.05	50.00	-9.7	n
1,2,3,7,8,9-HxCDD	27573466	1.26 y	33:26	0.59	50.00	-50.3	n
Total HxCDD	77282254	2.14 n	32:36	0.82	150.00	-27.4	n
13C-1,2,3,4,6,7,8-HpCDF	48877283	0.44 y	34:58	0.86	100.00	-5.6	n
1,2,3,4,6,7,8-HpCDF	33936365	1.05 y	34:58	1.39	50.00	3.2	n
1,2,3,4,7,8,9-HpCDF	27596609	1.06 y	36:08	1.13	50.00	3.3	n
Total HpCDF	61915248	1.05 y	34:58	1.26	100.00	3.2	n
13C-1,2,3,4,6,7,8-HpCDD	46327526	1.08 y	35:47	0.81	100.00	-1.5	n
1,2,3,4,6,7,8-HpCDD	24918387	1.04 y	35:48	1.08	50.00	0.4	n
Total HpCDD	25182202	0.83 n	35:14	1.08	50.00	0.4	n
13C-OCDD	60913822	0.89 y	38:22	0.54	200.00	-13.7	n
OCDF	36618444	0.88 y	38:29	1.20	100.00	-12.3	n
OCDD	34337206	0.89 y	38:23	1.13	100.00	-6.0	n

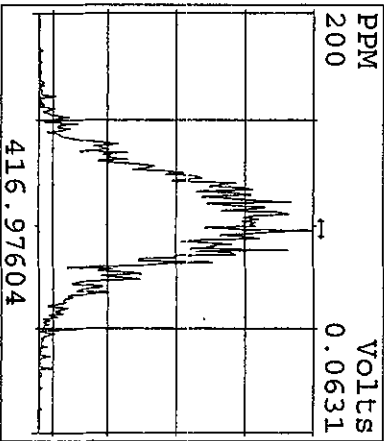
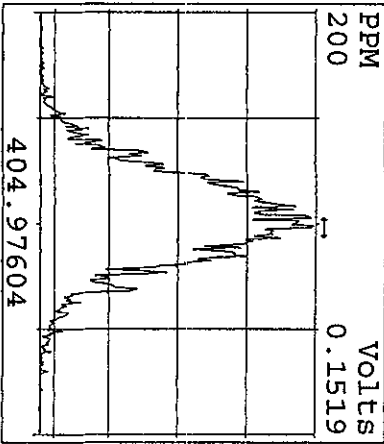
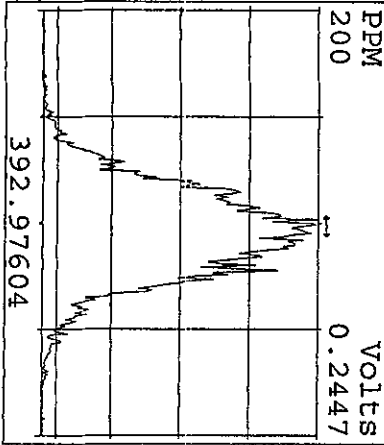
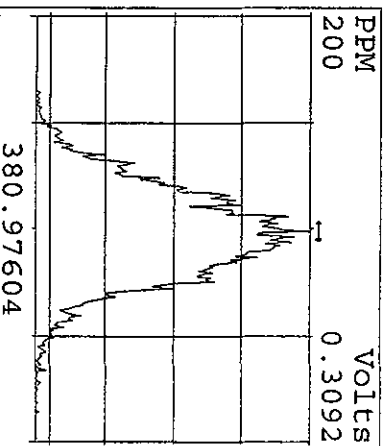
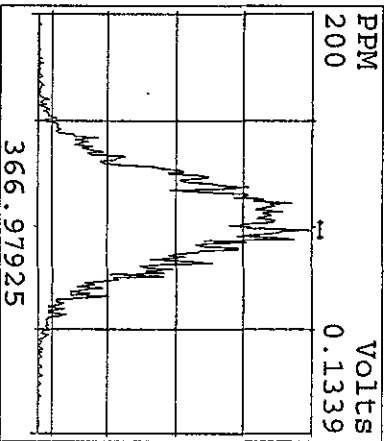
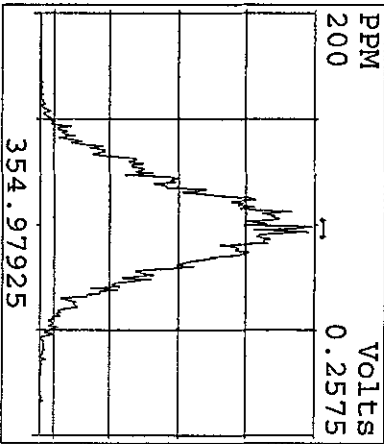
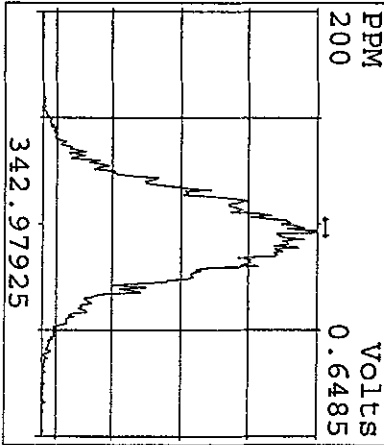
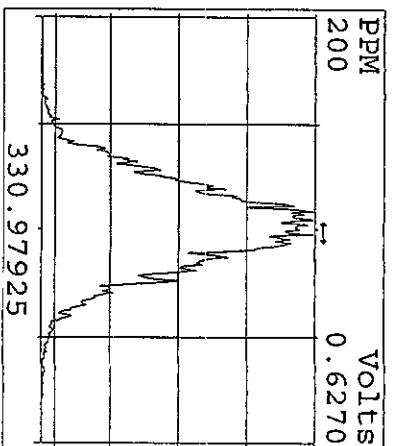
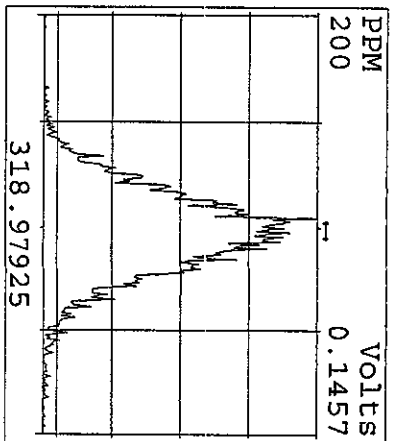
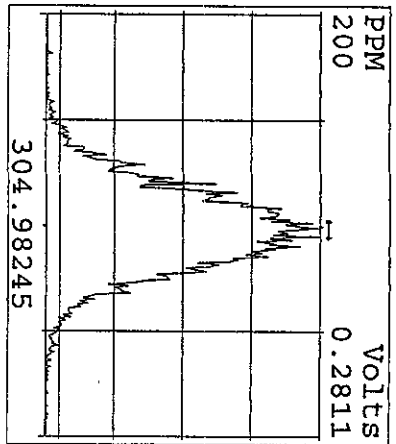
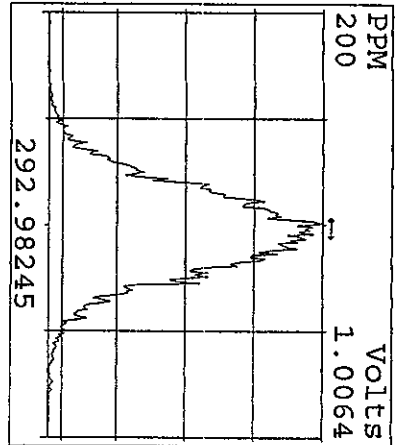
Run text: ST1012A File text: ST1012A :CS3 10DXN426
 Run #8 Filename 12OC104D5 S: 15 I: 1
 Acquired: 12-OCT-10 20:07:08 Processed: 12-OCT-10 20:55:21
 Run: 12OC104D5 Analyte: TO9 Cal: TO90721104D5 Results: 12OC104D5TO9

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	104923800	0.81 y	20:05	-	100.00	-	n
13C-2,3,7,8-TCDF	131788400	0.79 y	19:29	1.26	100.00	2.2	n
2,3,7,8-TCDF	12759230	0.79 y	19:30	0.97	10.00	-2.6	n
Total TCDF	12907796	1.39 n	18:29	0.97	10.00	-2.6	n
13C-2,3,7,8-TCDD	102439900	0.80 y	20:18	0.98	100.00	7.9	n
2,3,7,8-TCDD	10282320	0.76 y	20:19	1.00	10.00	2.1	n
Total TCDD	10282320	0.76 y	20:19	1.00	10.00	2.1	n
37Cl-2,3,7,8-TCDD	13504860	1.00 y	20:19	1.32	10.00	-0.6	n
13C-1,2,3,7,8-PeCDF	103695400	1.58 y	25:23	0.99	100.00	12.8	n
1,2,3,7,8-PeCDF	57631100	1.55 y	25:25	1.11	50.00	3.2	n
2,3,4,7,8-PeCDF	54425800	1.51 y	27:00	1.05	50.00	0.4	n
Total F2 PeCDF	113210215	2.28 n	23:50	1.08	100.00	1.8	n
Total F1 PeCDF	7427	0.38 n	22:54	1.08	100.00	1.8	n
13C-1,2,3,7,8-PeCDD	73281400	1.53 y	27:49	0.70	100.00	5.7	n
1,2,3,7,8-PeCDD	39048100	1.49 y	27:51	1.07	50.00	15.2	n
Total PeCDD	39220139	3.14 n	25:43	1.07	50.00	15.2	n
13C-1,2,3,7,8,9-HxCDD	67402800	1.29 y	33:25	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	63810500	0.49 y	32:20	0.95	100.00	-9.4	n
1,2,3,4,7,8-HxCDF	38420400	1.13 y	32:21	1.20	50.00	-1.1	n
1,2,3,6,7,8-HxCDF	41013000	1.17 y	32:27	1.29	50.00	0.3	n
2,3,4,6,7,8-HxCDF	39558200	1.15 y	32:58	1.24	50.00	0.5	n
1,2,3,7,8,9-HxCDF	33386500	1.14 y	33:37	1.05	50.00	-4.7	n
Total HxCDF	152491055	1.11 y	31:21	1.19	200.00	-1.1	n
13C-1,2,3,6,7,8-HxCDD	57103500	1.27 y	33:09	0.85	100.00	2.0	n
1,2,3,4,7,8-HxCDD	32007700	1.23 y	33:06	1.12	50.00	8.1	n
1,2,3,6,7,8-HxCDD	32894300	1.29 y	33:10	1.15	50.00	-0.9	n
1,2,3,7,8,9-HxCDD	34869600	1.25 y	33:26	1.22	50.00	3.3	n
Total HxCDD	99771600	1.23 y	33:06	1.16	150.00	3.3	n
13C-1,2,3,4,6,7,8-HpCDF	57010400	0.43 y	34:57	0.85	100.00	-7.1	n
1,2,3,4,6,7,8-HpCDF	42671400	1.08 y	34:58	1.50	50.00	11.2	n
1,2,3,4,7,8,9-HpCDF	35719800	1.04 y	36:08	1.25	50.00	14.6	n
Total HpCDF	79034710	1.08 y	34:58	1.38	100.00	12.7	n
13C-1,2,3,4,6,7,8-HpCDD	54903900	1.06 y	35:47	0.81	100.00	-1.5	n
1,2,3,4,6,7,8-HpCDD	30815700	1.03 y	35:48	1.12	50.00	4.7	n
Total HpCDD	31201165	1.07 y	35:13	1.12	50.00	4.7	n
13C-OCDD	74994000	0.88 y	38:22	0.56	200.00	-10.3	n
OCDF	49153100	0.89 y	38:29	1.31	100.00	-4.3	n
OCDD	45258500	0.89 y	38:22	1.21	100.00	0.6	n

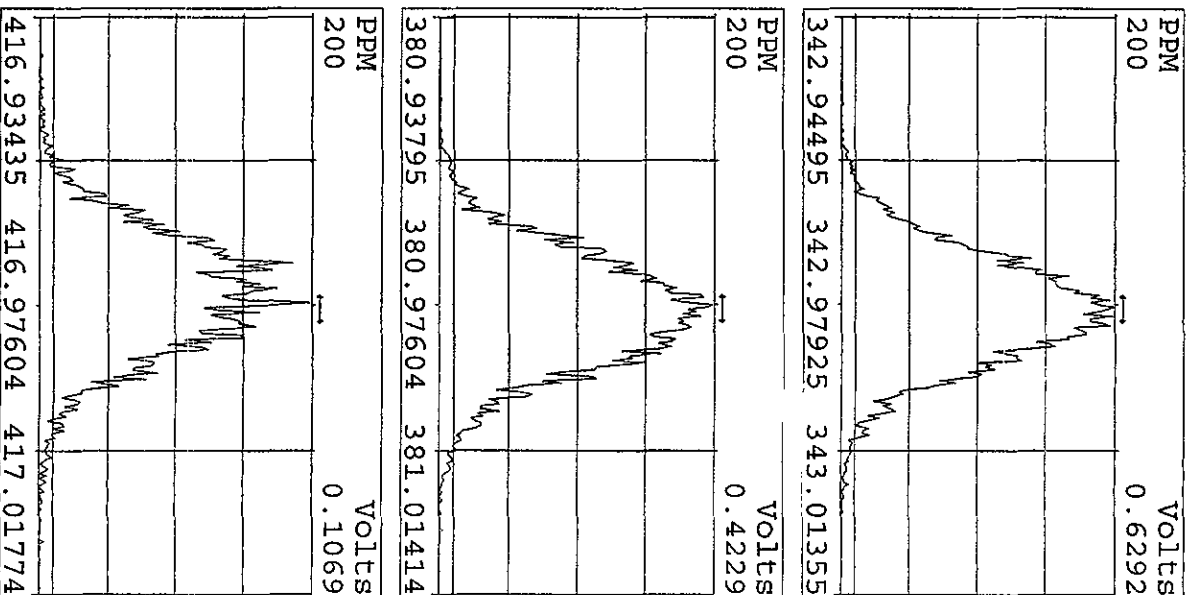
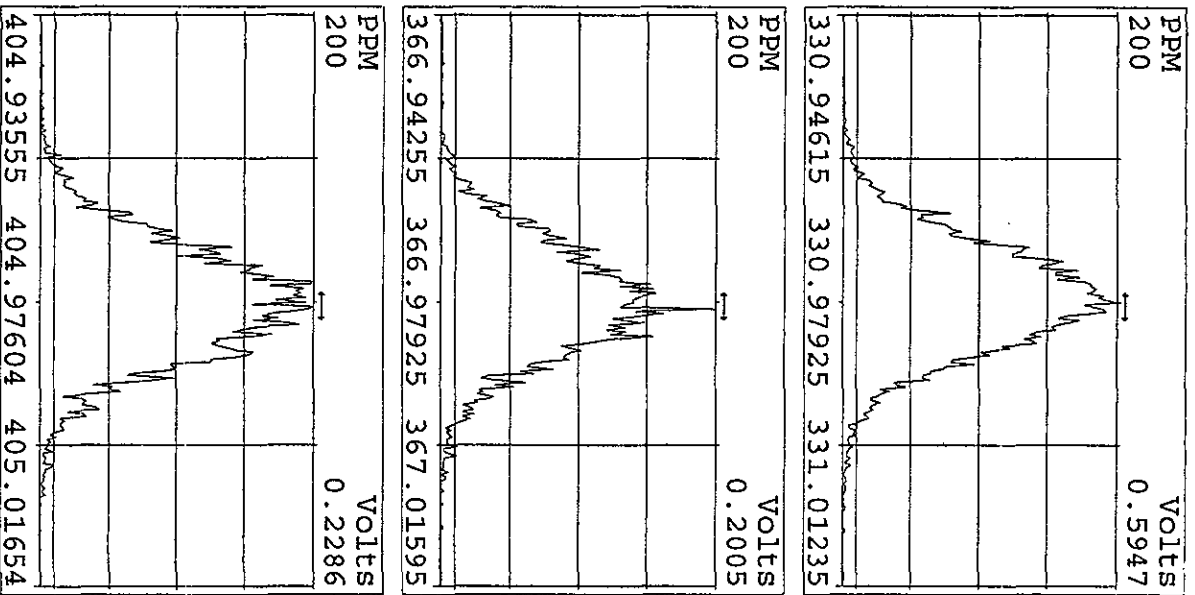
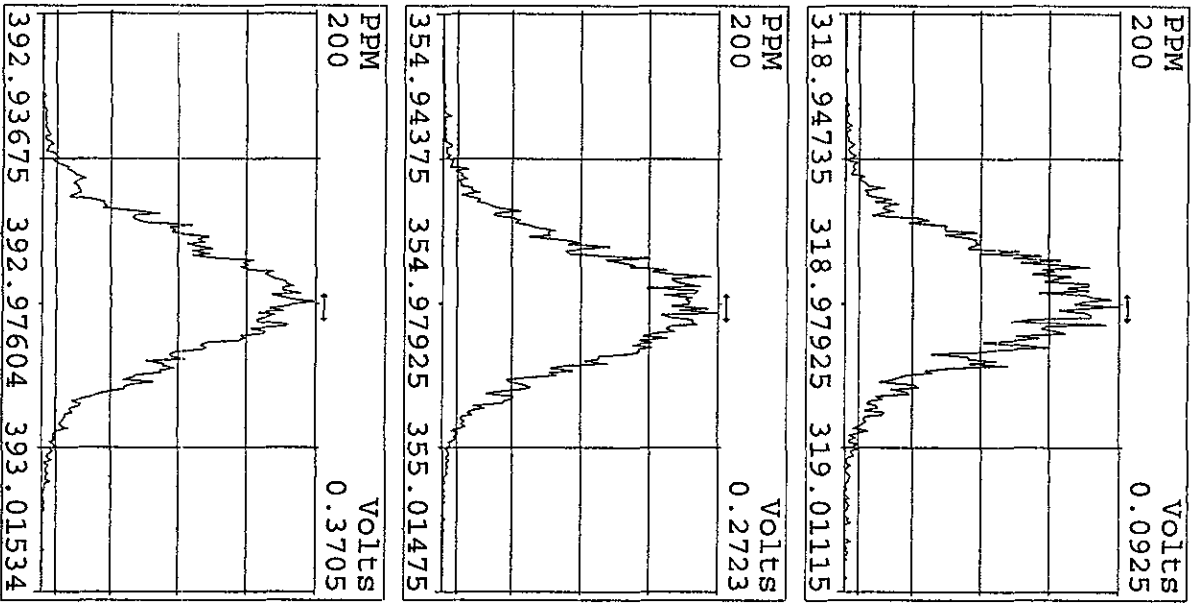
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12OC104D5	2	ST1012	CS3 10DXN461				1.00000	
12OC104D5	3	L7QFD-1-AA	G0I300000-250 (528-1MB)	20	8290/WATER	66	1.00000	L
12OC104D5	4	L7QFD-1-AC	G0I300000-250 (528-1LCS)	20	8290/WATER		1.00000	L
12OC104D5	5	L7L29-1-AA	G0I280537-3	20	8290/WATER		0.92838	L
12OC104D5	6	L7L3C-1-AA	G0I280537-4	20	8290/WATER		0.92751	L
12OC104D5	7	L7G8G-1-AC	G0I240611-2	20	8290/SOLID	68	10.12000	g
12OC104D5	8	L7G8J-1-AC	G0I240611-4	20	8290/SOLID		10.96000	g
12OC104D5	9	L7G8K-1-AC	G0I240611-5	20	8290/SOLID		10.38000	g
12OC104D5	10	L7G8M-1-AC	G0I240611-6	20	8290/SOLID		10.71000	g
12OC104D5	11	L7G8N-1-AC	G0I240611-7	20	8290/SOLID		10.29000	g
12OC104D5	12	L7G8P-1-AC	G0I240611-8	20	8290/SOLID		10.90000	g
12OC104D5	13	L7VDE-1-AA	G0J010524-3	20	T09/AIR	69	0.50000	SAM
12OC104D5	14	L7G8Q-1-AC	G0J010000-286 (611-2LCS)	20	8290/SOLID		10.00000	g
12OC104D5	15	ST1012A	CS3 10DXN426				1.00000	
12OC104D5	16	CP1012A	DB-5 CPSM 3732-09				1.00000	
12OC104D5	17	CRS-QC	CRS-QC + MB				1.00000	
12OC104D5	18	L7G8Q-1-AC	G0I240611-9	20	8290/SOLID		10.02000	g
12OC104D5	19	L7G8R-1-AC	G0I240611-10	20	8290/SOLID	68	10.05000	g
12OC104D5	20	L7G8W-1-AC	G0I240611-11	20	8290/SOLID		10.02000	g
12OC104D5	21	L7G8X-1-AC	G0I240611-12	20	8290/SOLID		10.17000	g
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12OC104D5	24	L7G82-1-AC	G0I240611-15	20	8290/SOLID		10.16000	g
12OC104D5	25	L7G84-1-AC	G0I240611-17	20	8290/SOLID		10.96000	g
12OC104D5	26	L7G86-1-AC	G0I240611-19	20	8290/SOLID		10.75000	g
12OC104D5	27	L7H4L-1-AA	G0I250534-1	20	8290/SOLID	63	9.91000	g
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12OC104D5	30	ST1012B	CS3 10DXN461				1.00000	
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12OC104D5	32						1.00000	
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reviewed
by
[Signature]
10/13/10

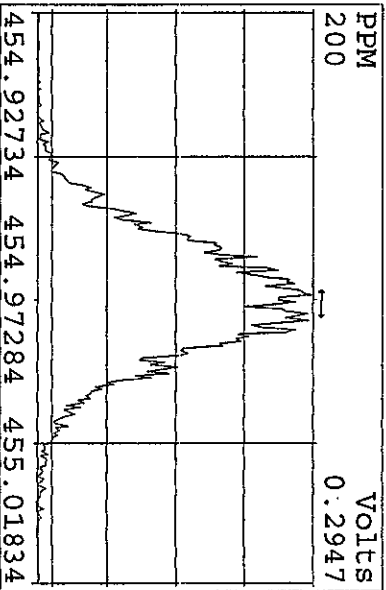
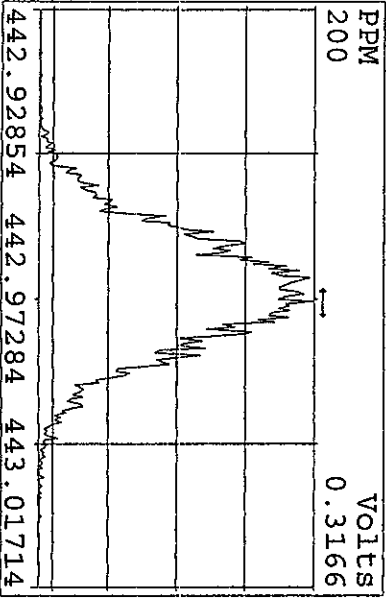
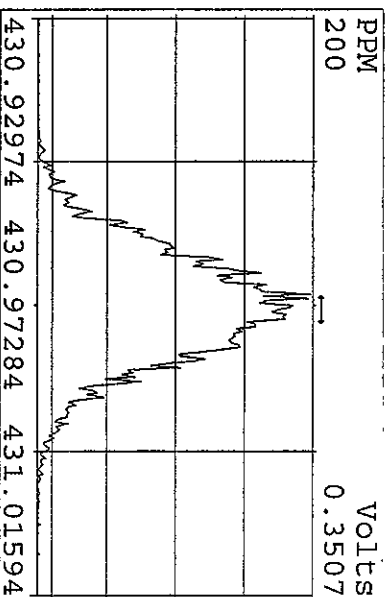
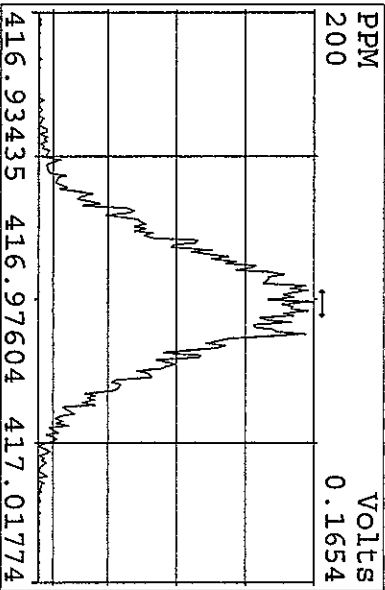
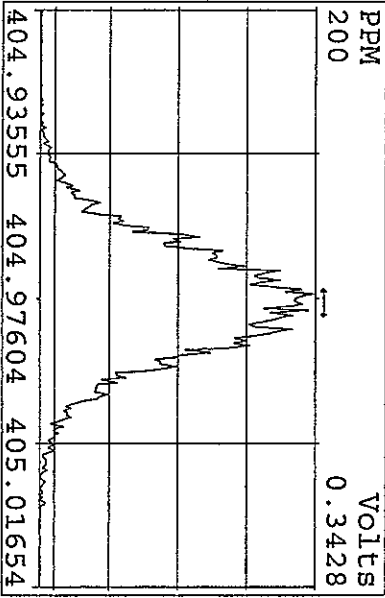
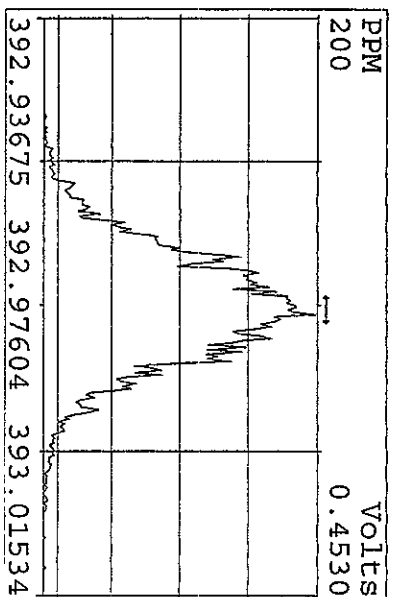
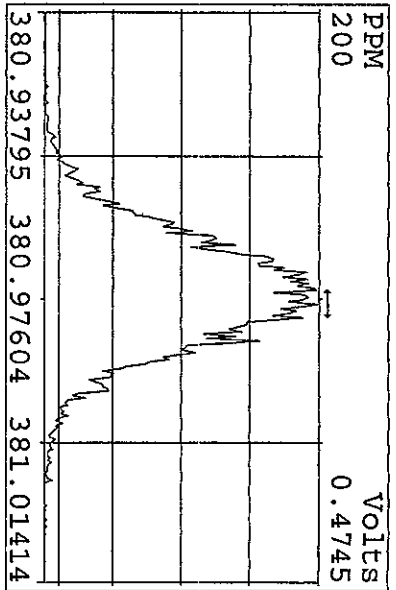
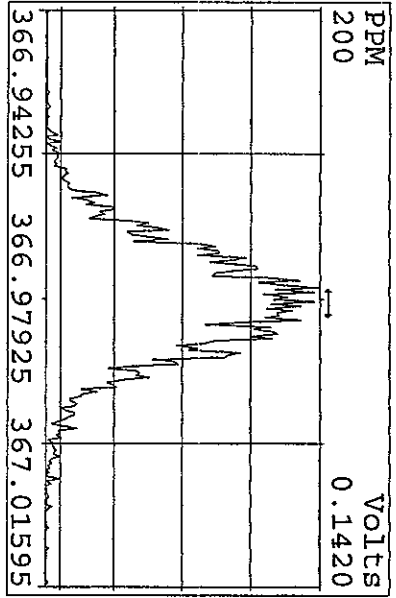
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Experiment:DIOXINRES Function:1 Reference:PFK



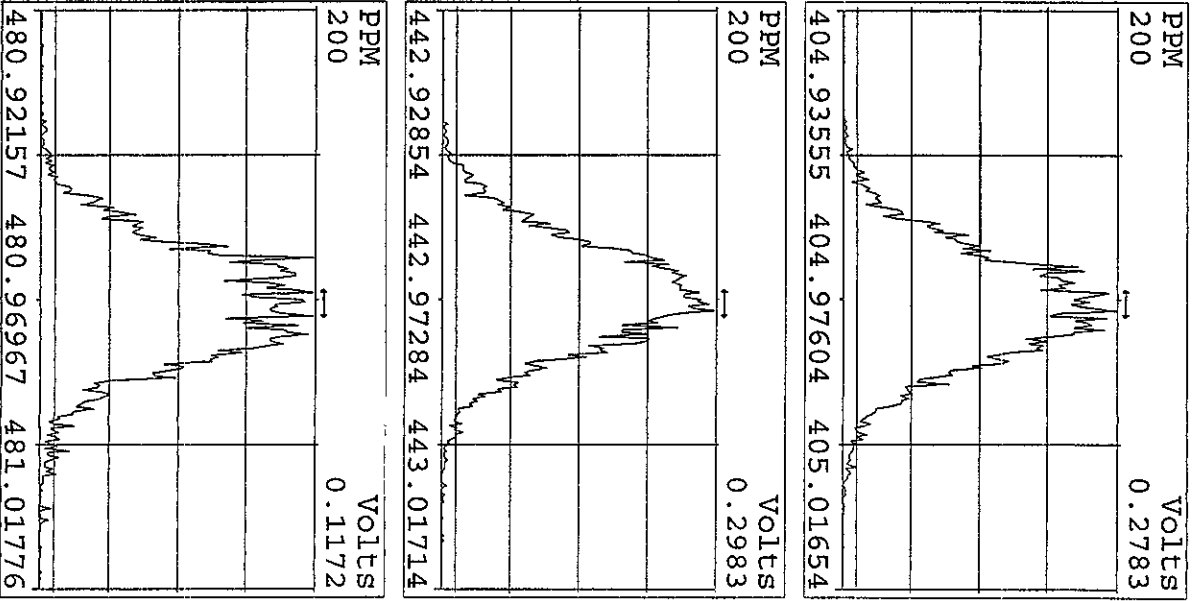
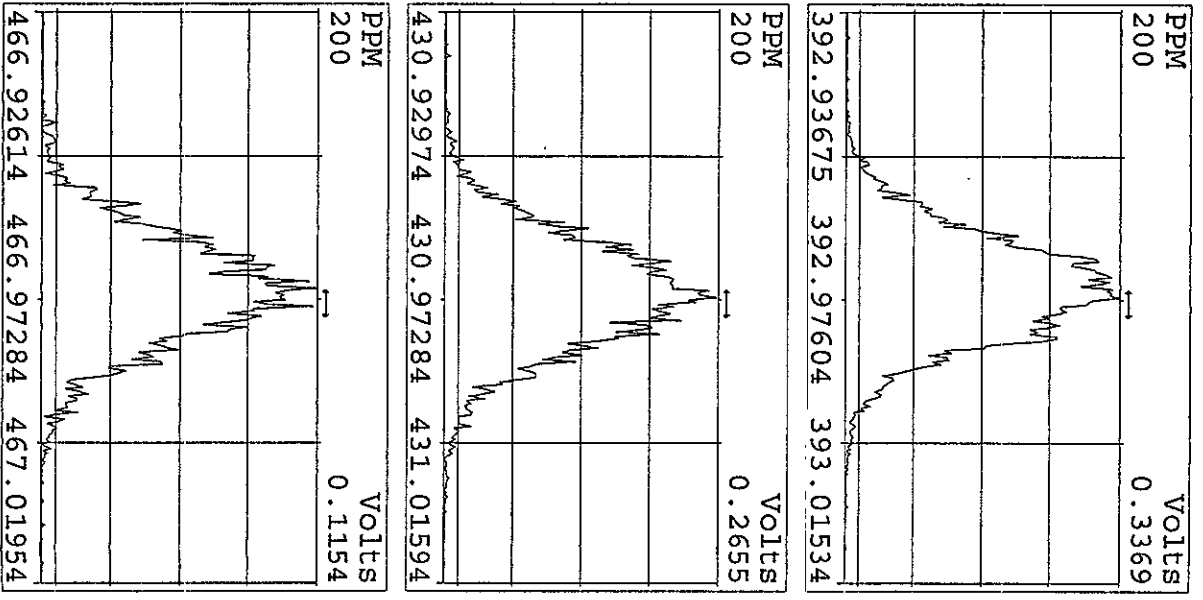
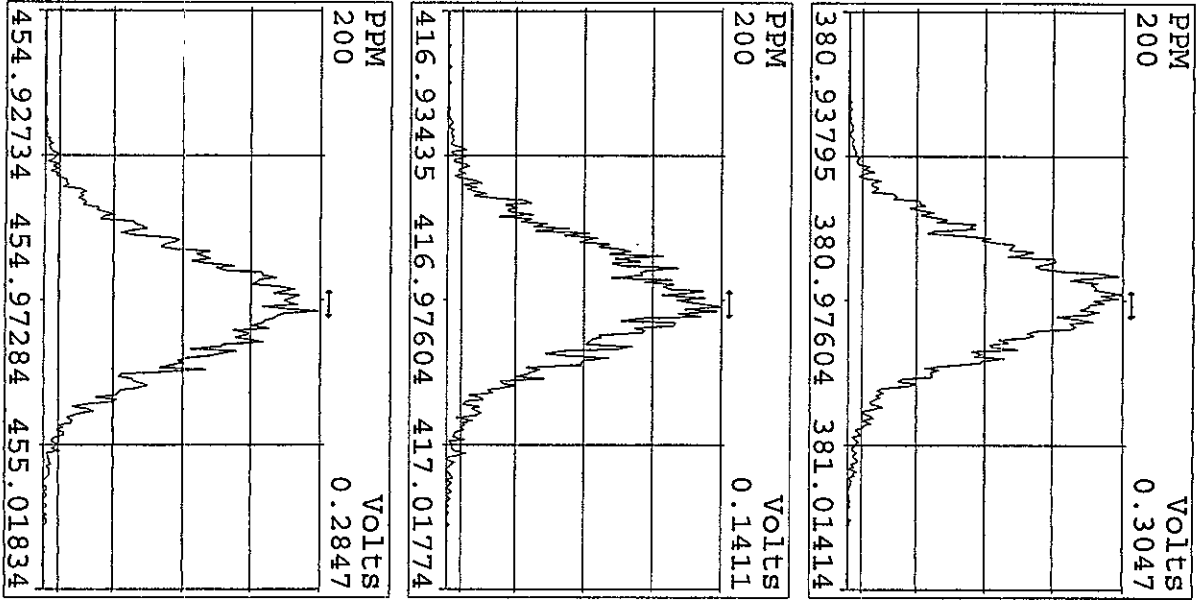
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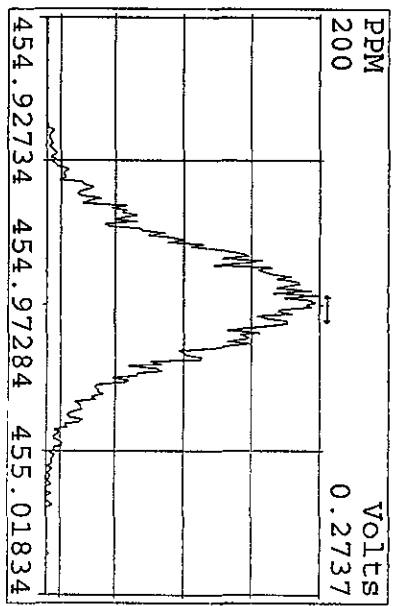
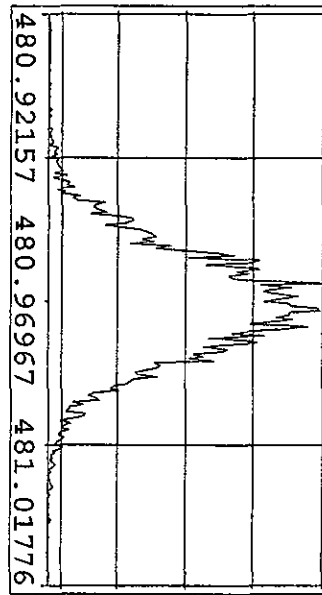
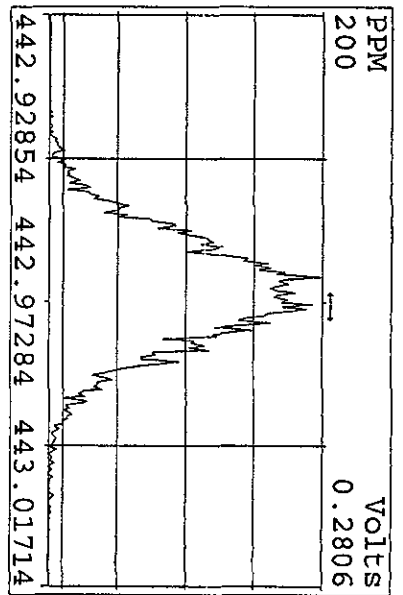
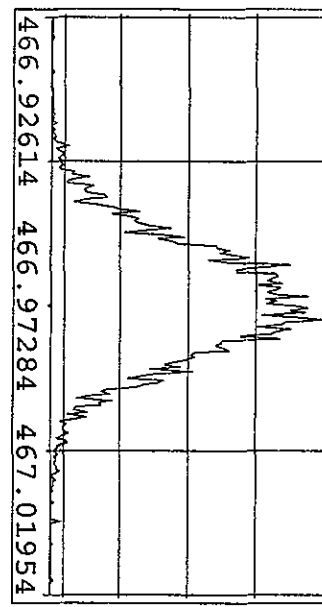
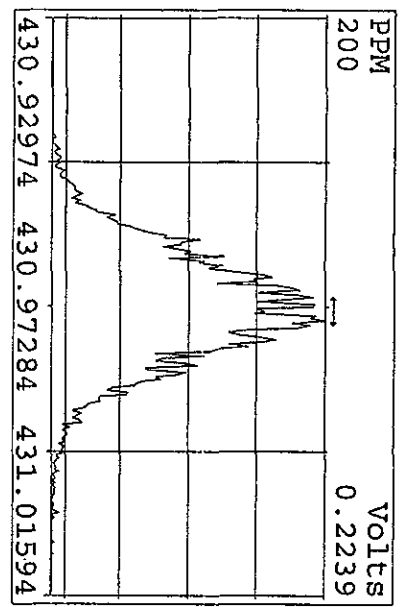
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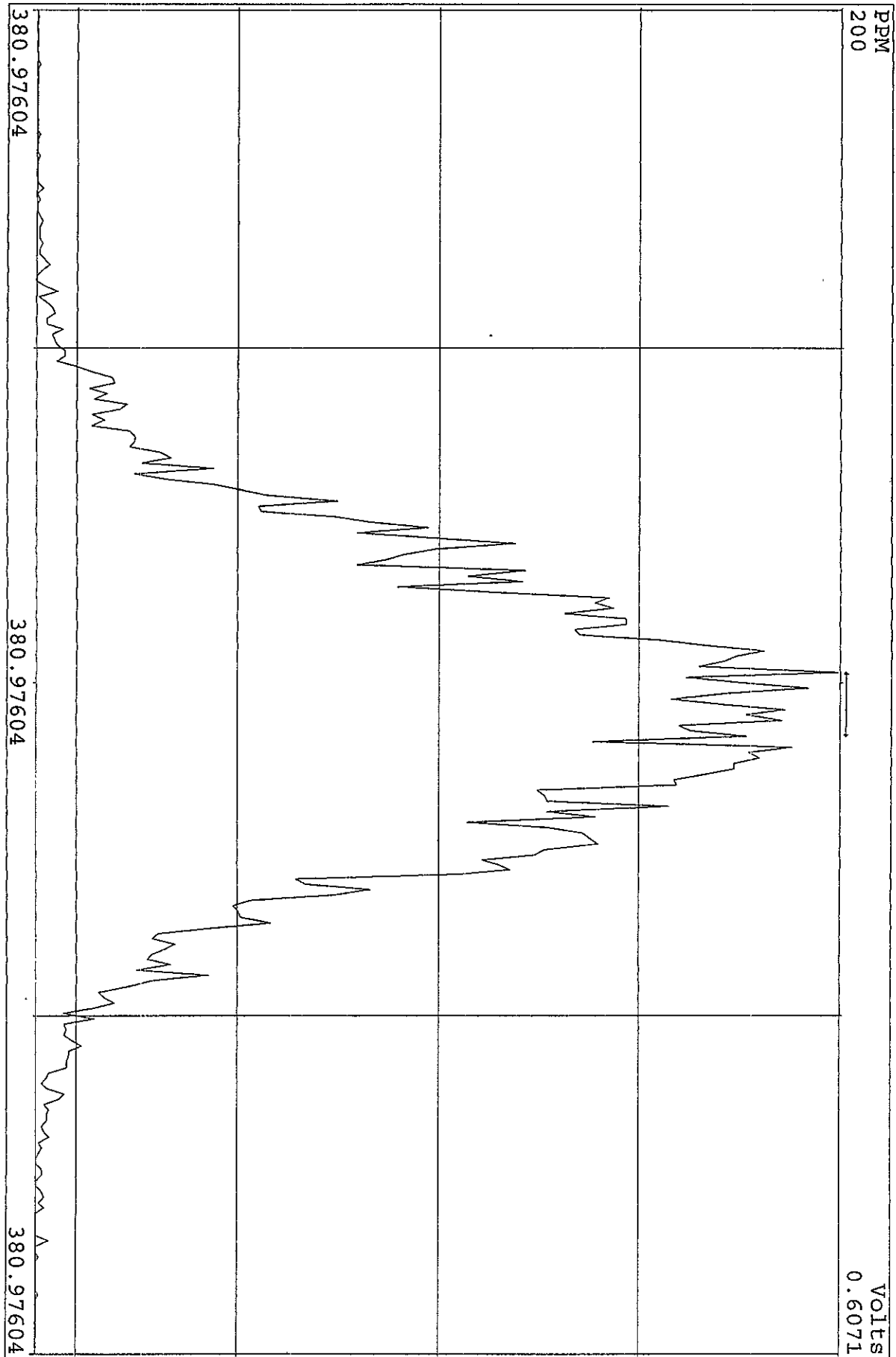
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 Experiment: DIOXINRES Function: 4 Reference: PFK



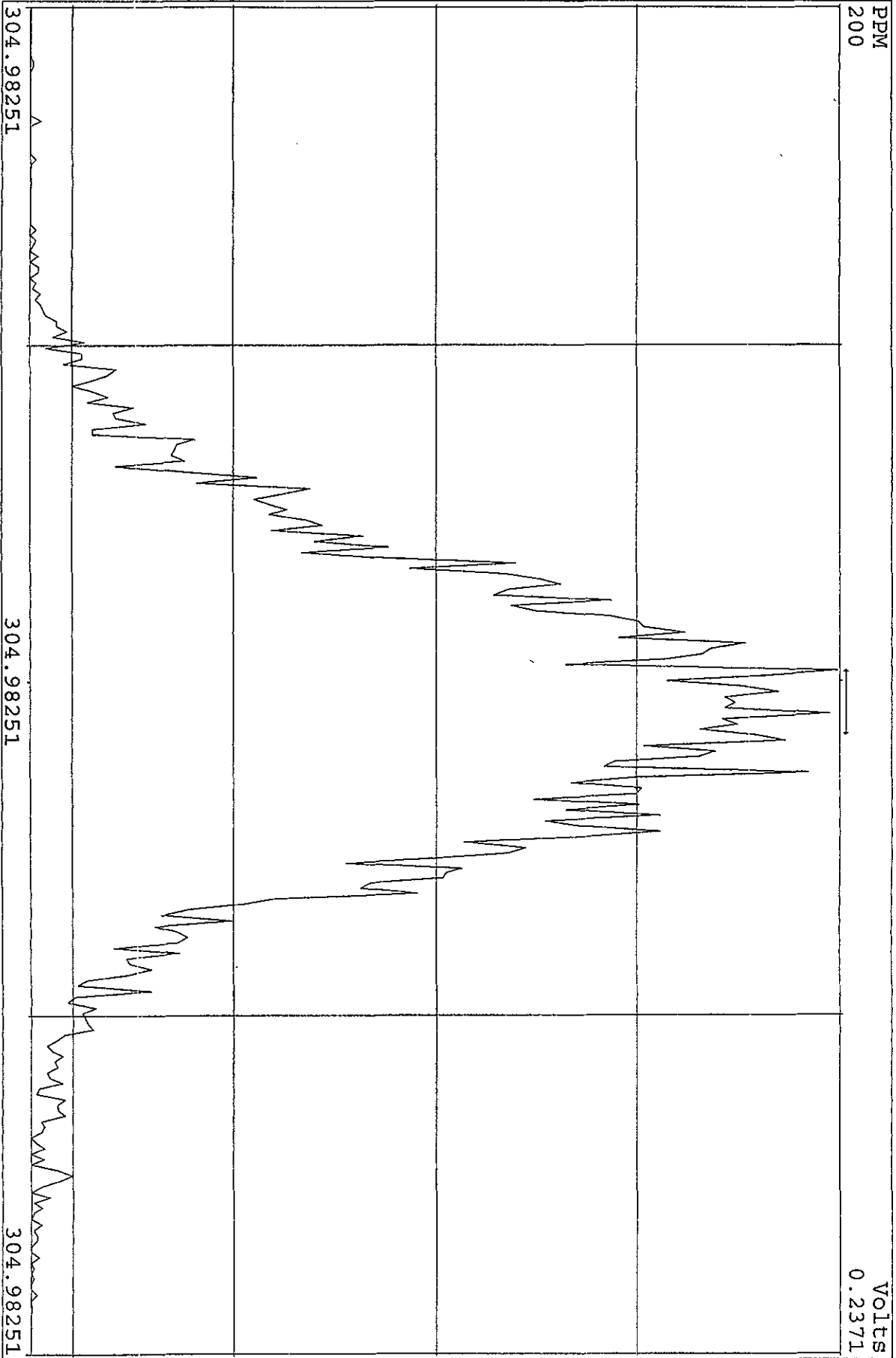
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 Experiment: DIOXINRES Function: 5 Reference: PRK



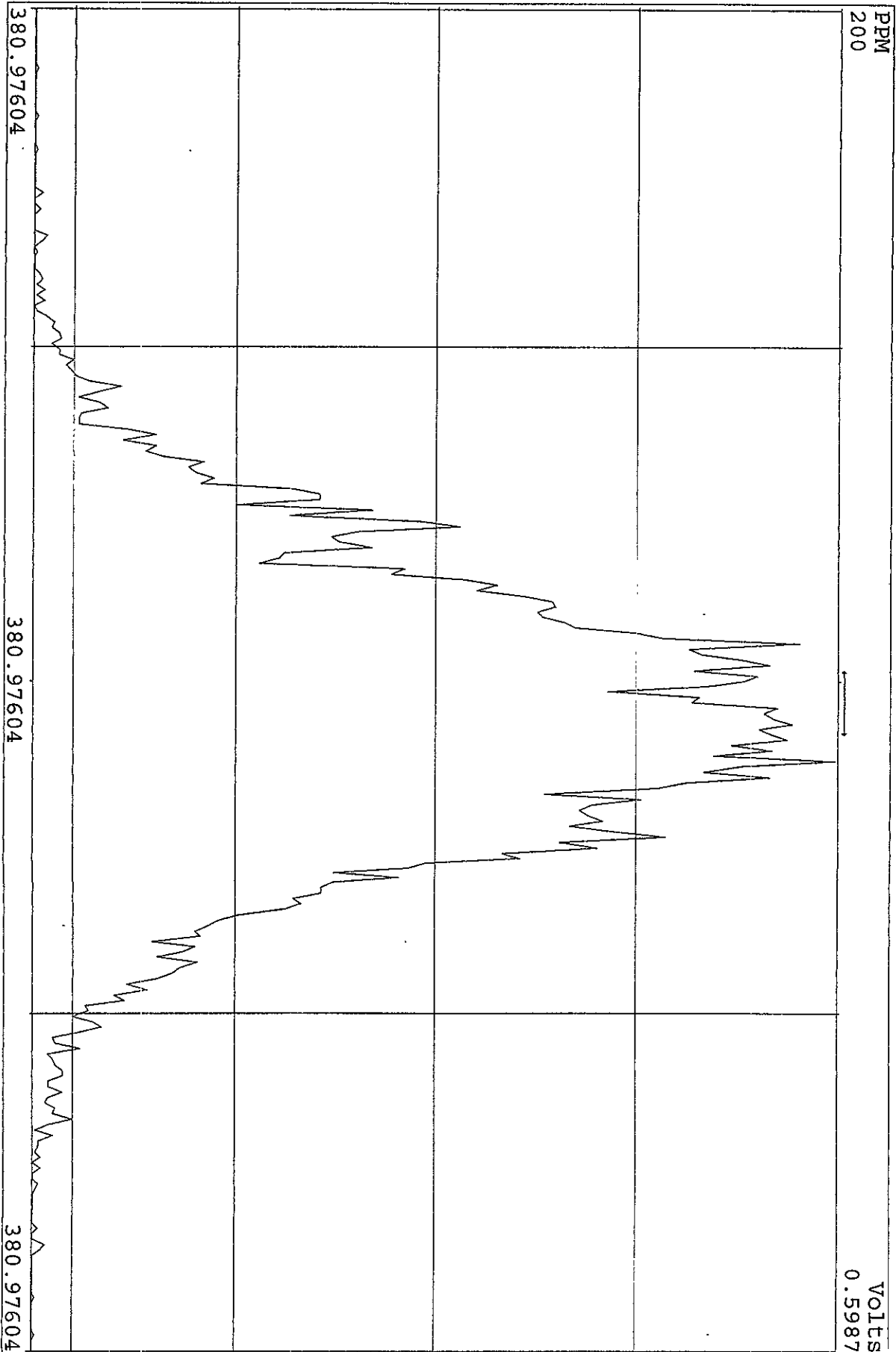
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Experiment: DIOXINRES Function: 6



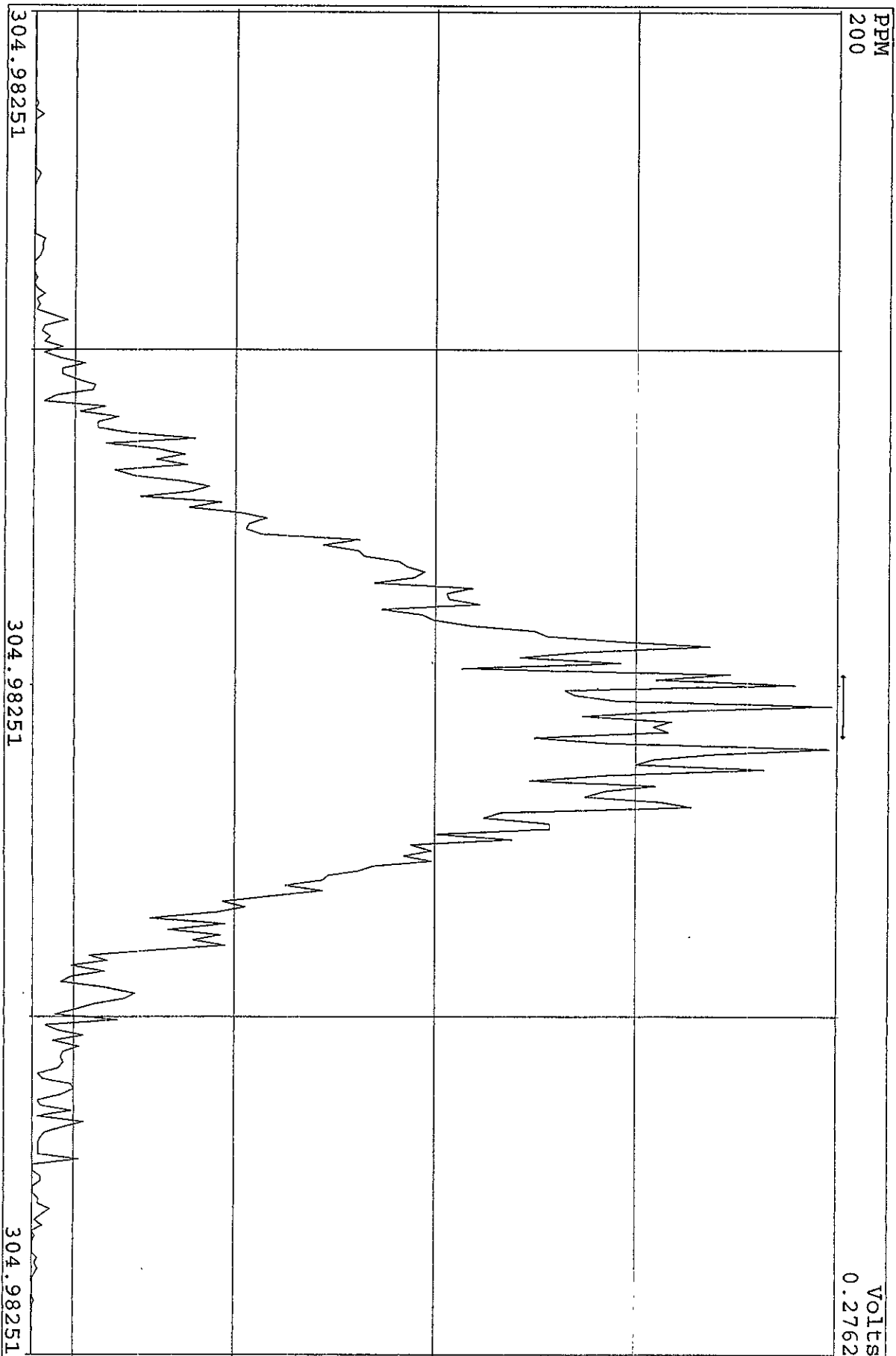
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Experiment: DIOXINRES Function: 7



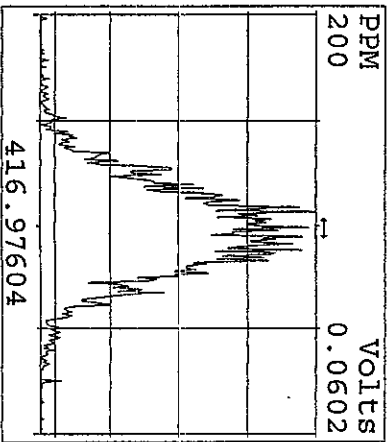
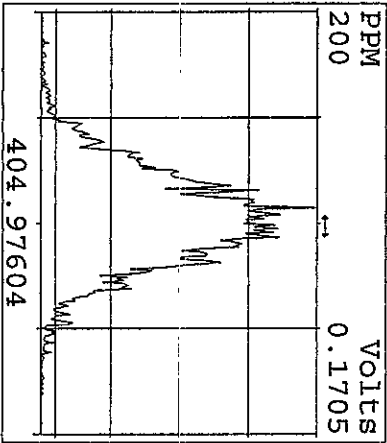
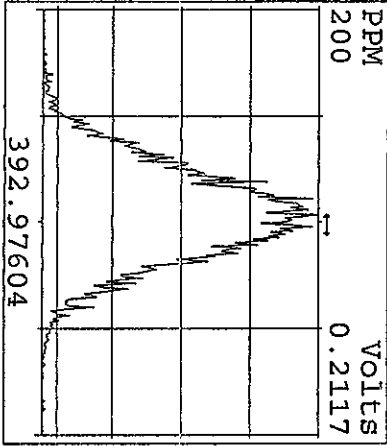
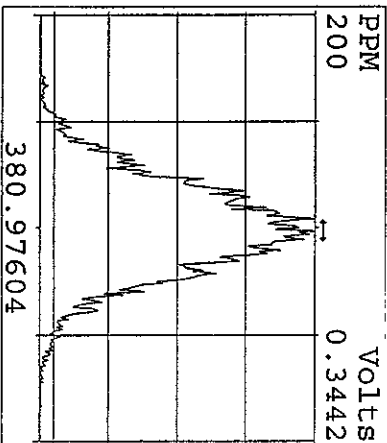
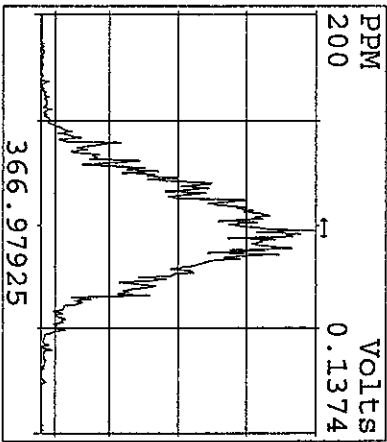
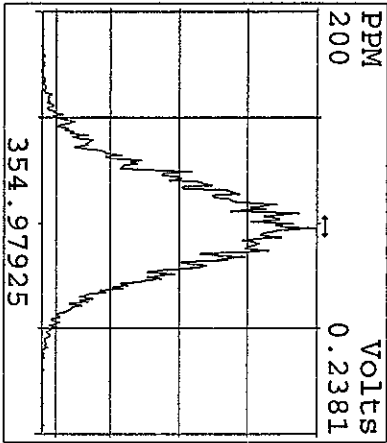
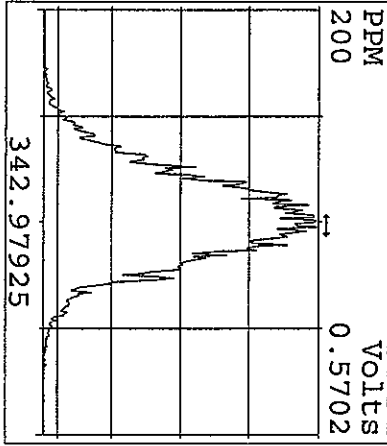
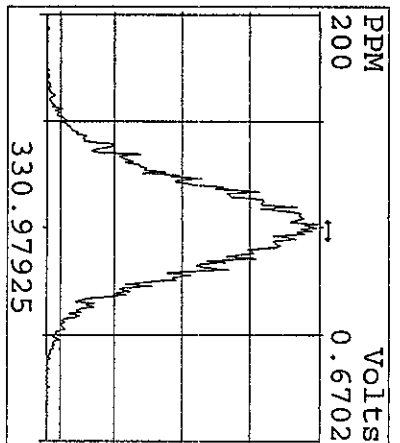
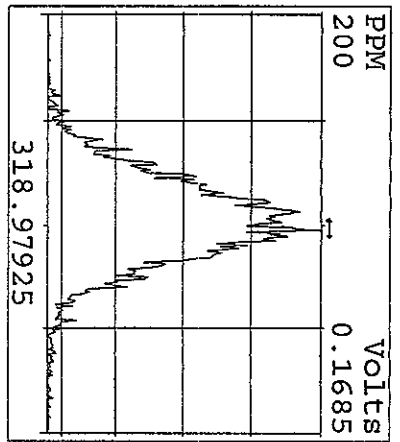
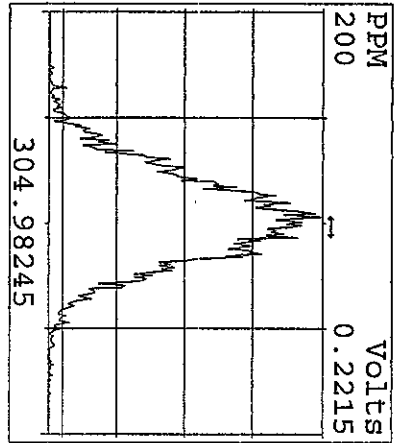
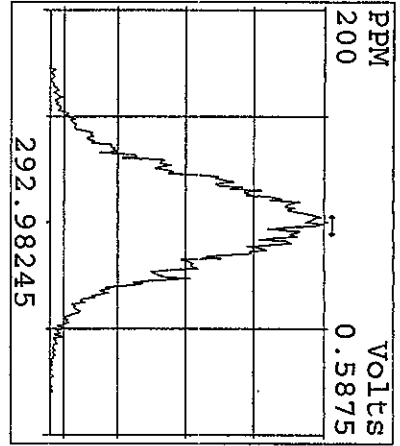
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Experiment: DIOXINRES Function: 6



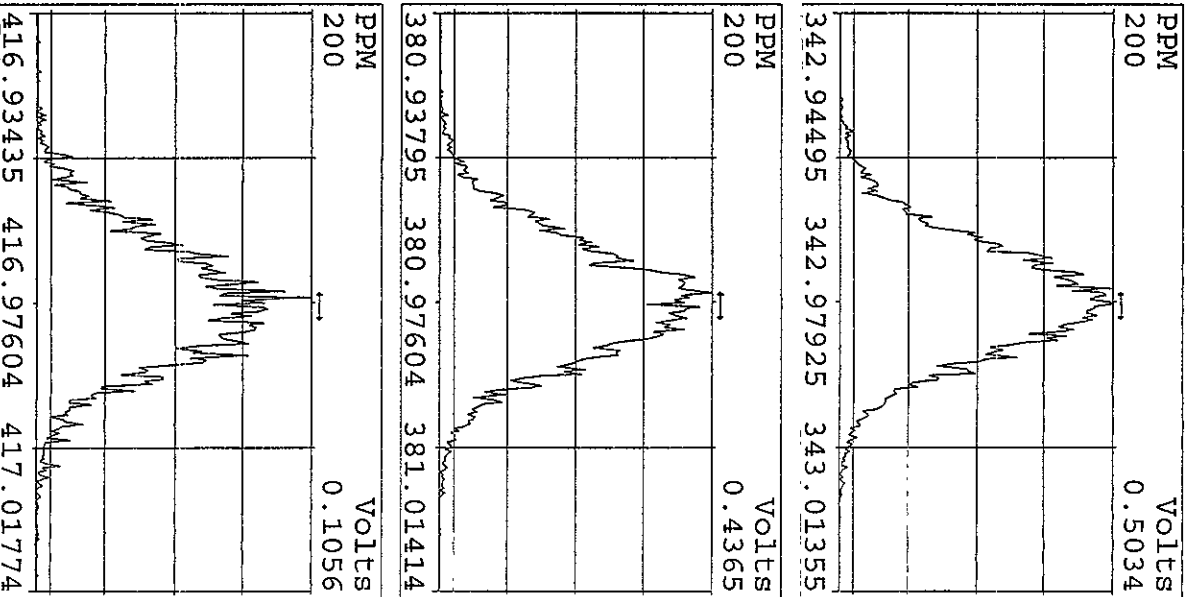
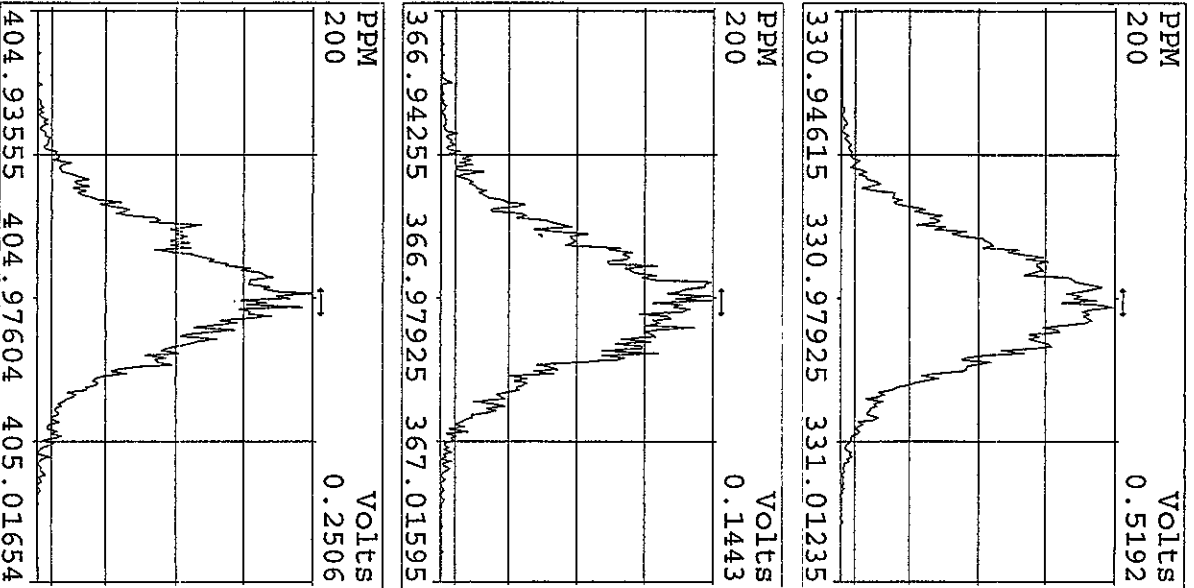
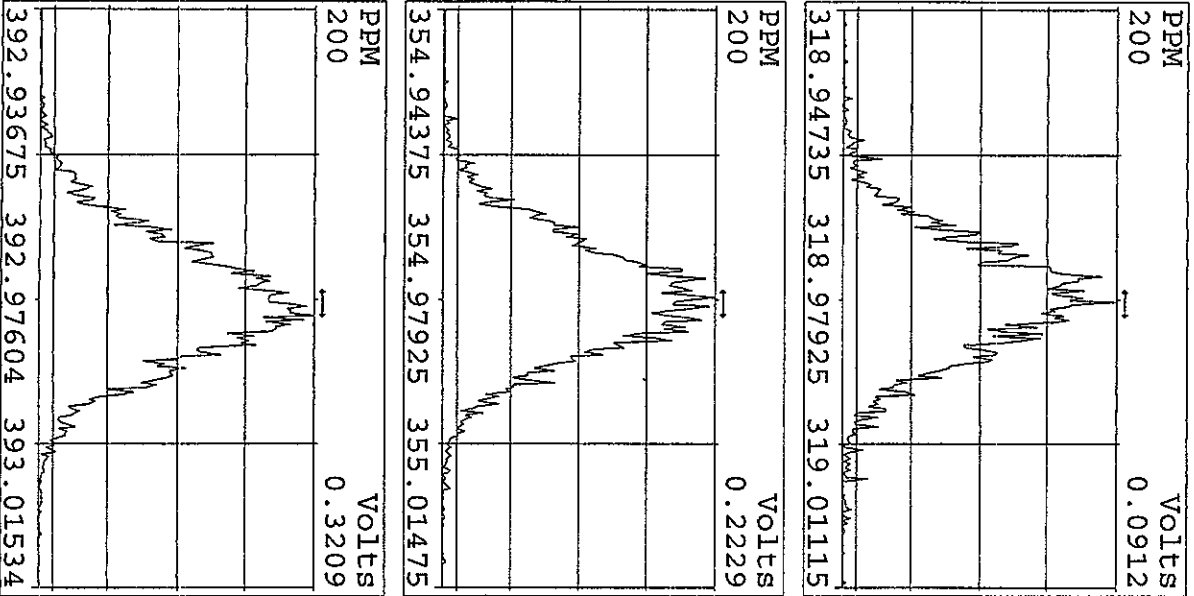
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Experiment: DIOXINRES Function: 7



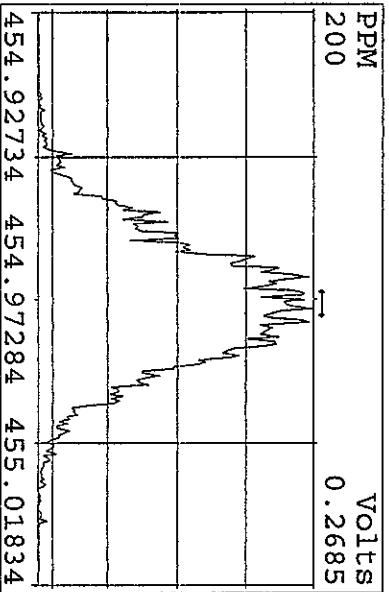
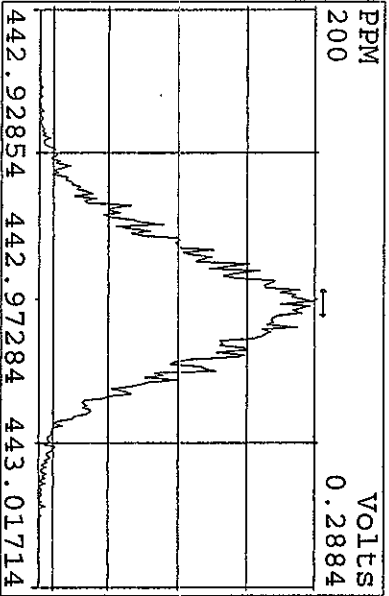
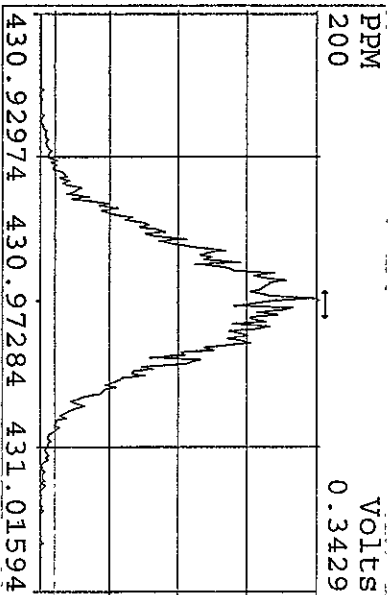
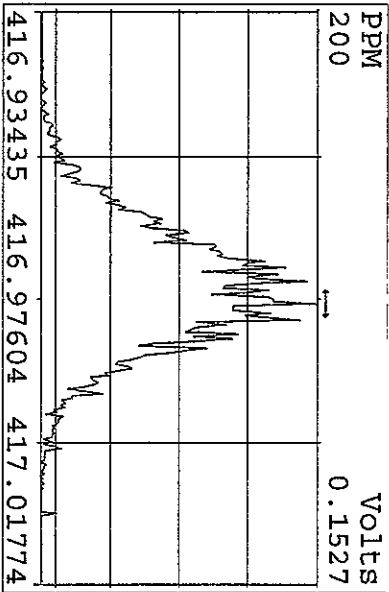
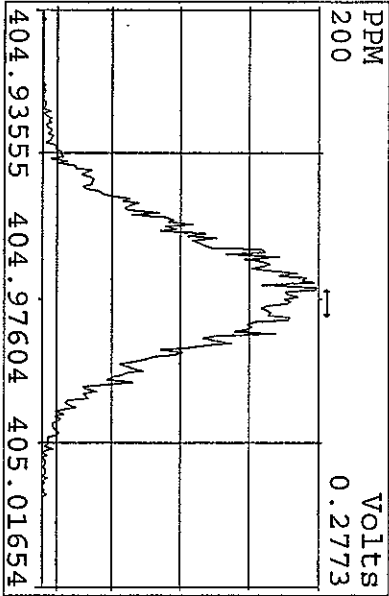
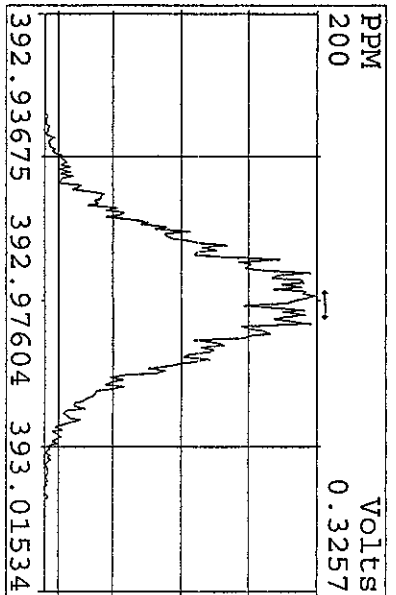
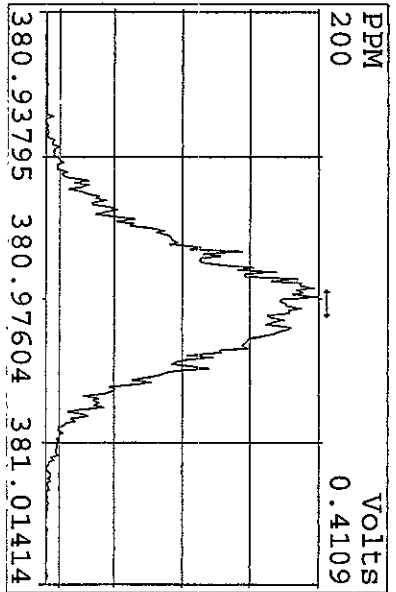
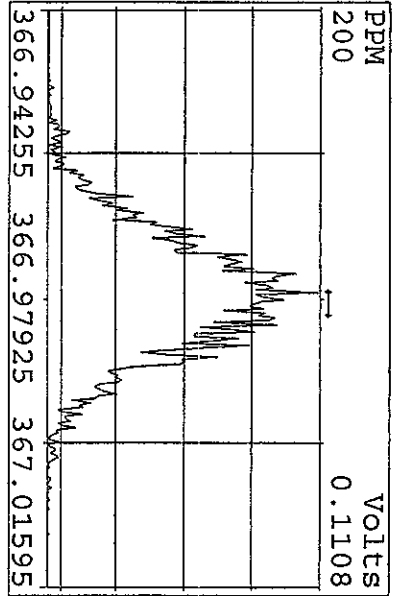
Peak Locate Examination: 13-OCT-2010: 08:26 File: ENDRS120C104D5
Experiment: DIOXINRES Function: 1 Reference: PKX



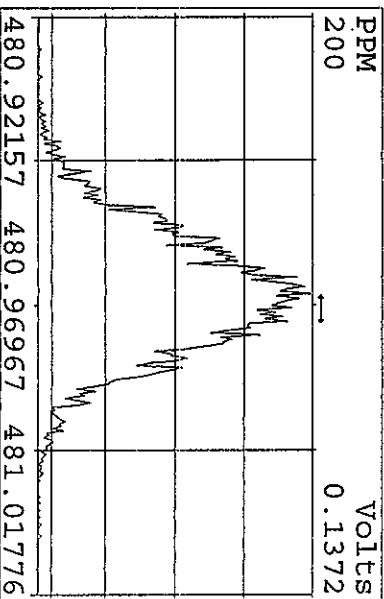
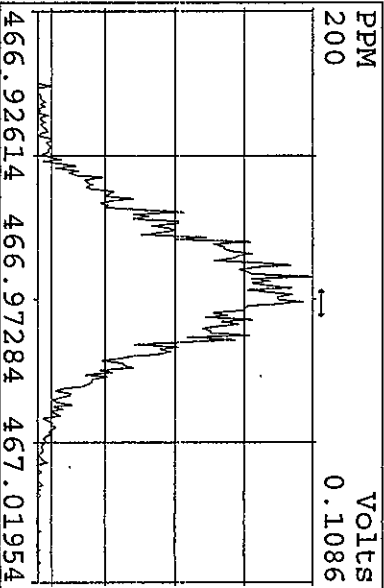
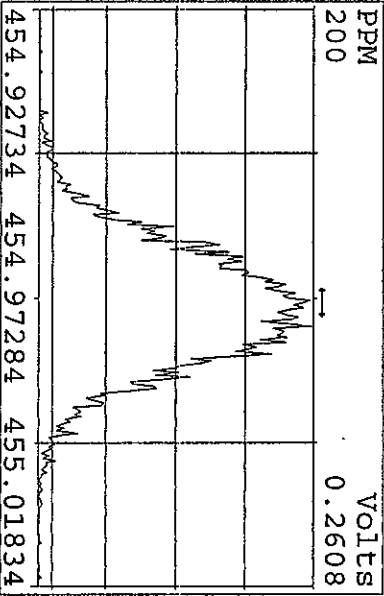
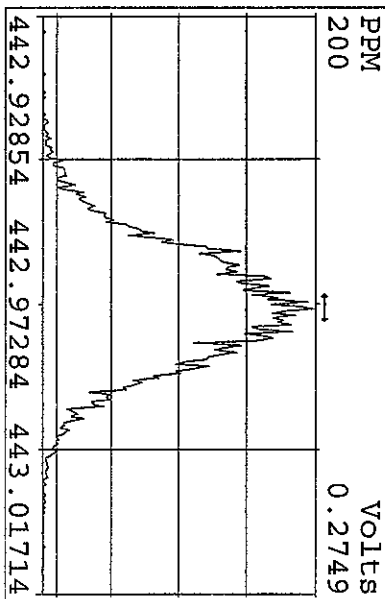
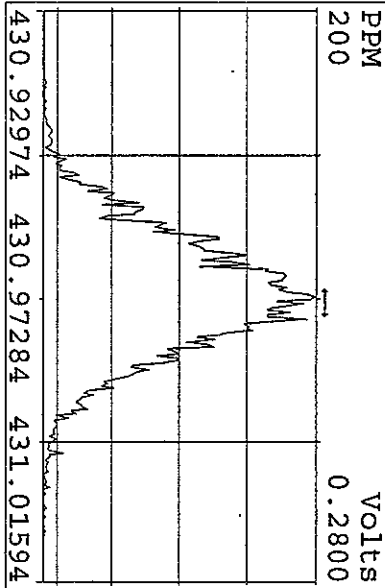
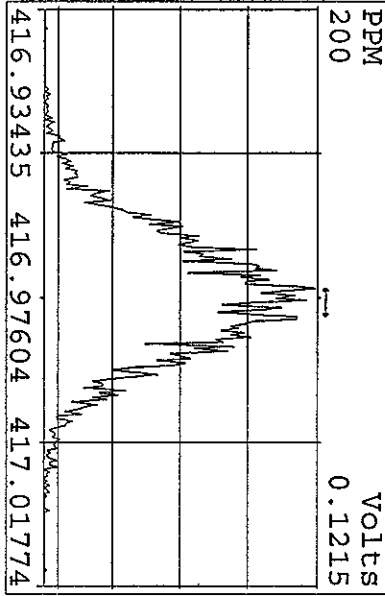
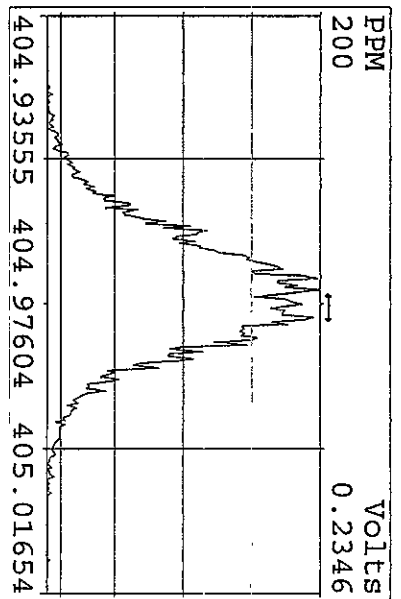
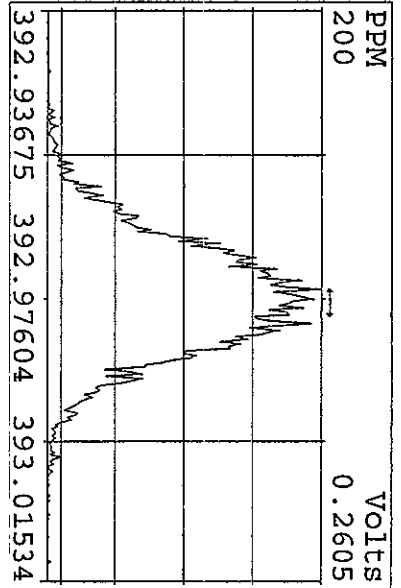
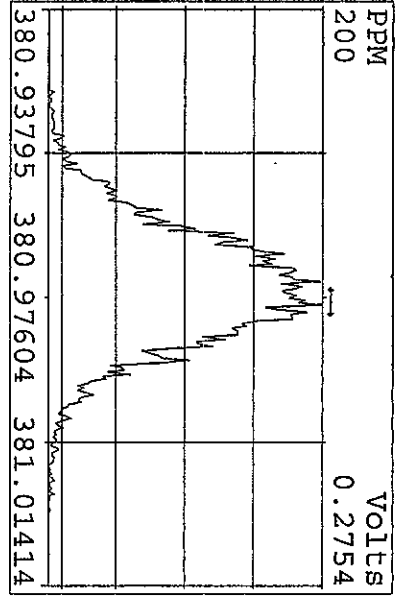
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Experiment:DIOXINRES Function:2 Reference:PFK



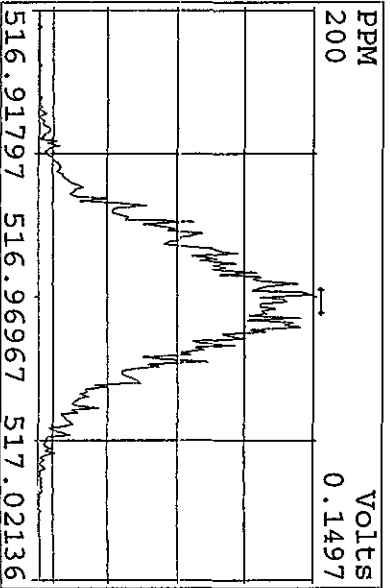
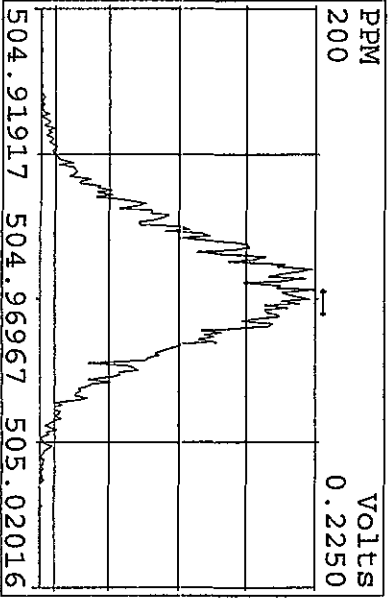
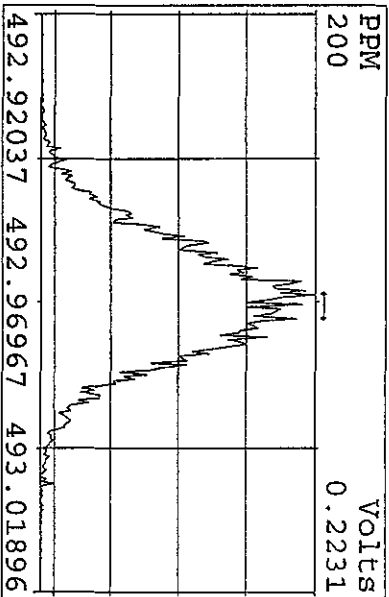
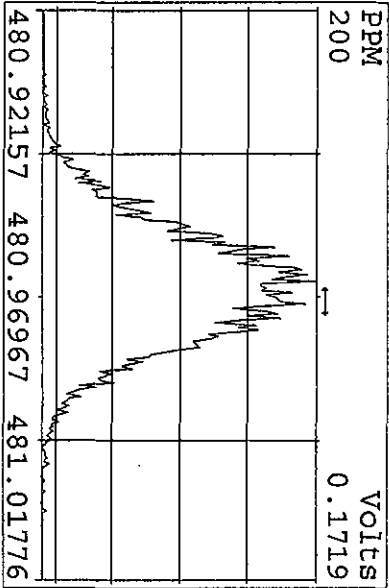
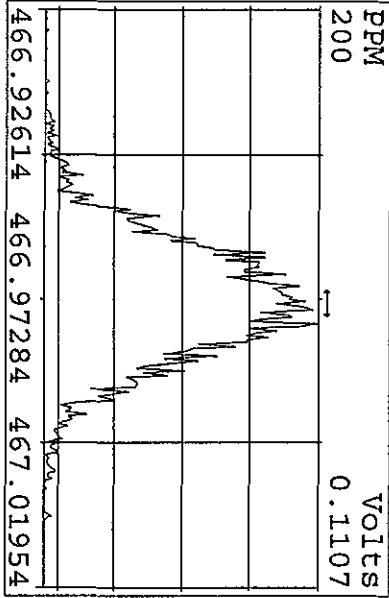
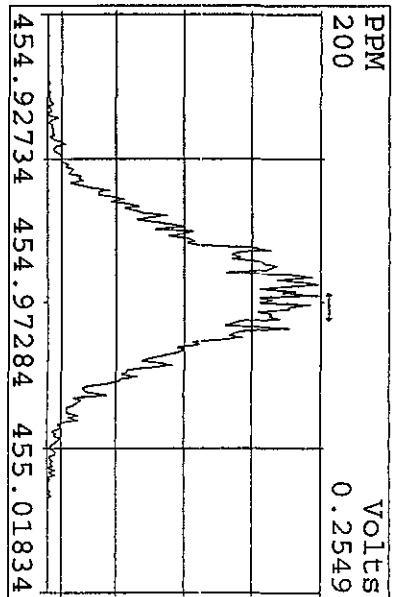
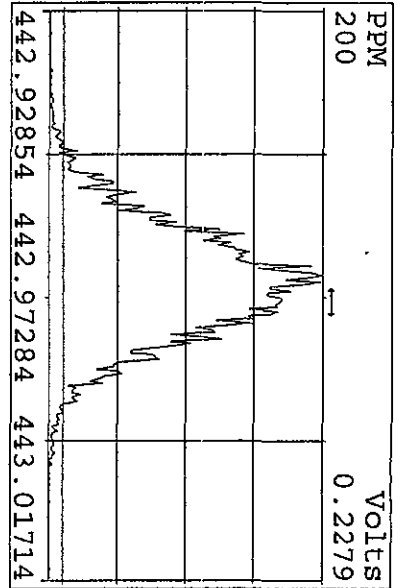
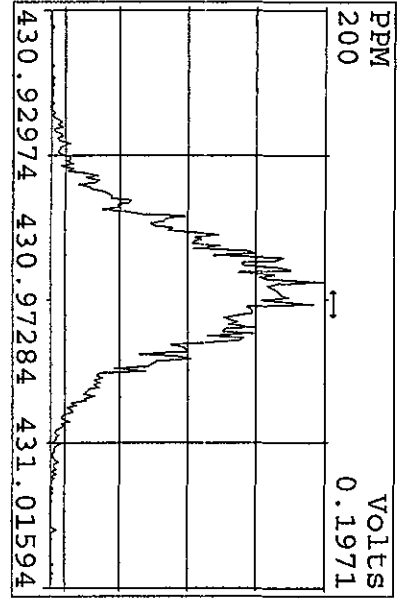
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 Experiment: DIOXINRES Function: 3 Reference: PFK



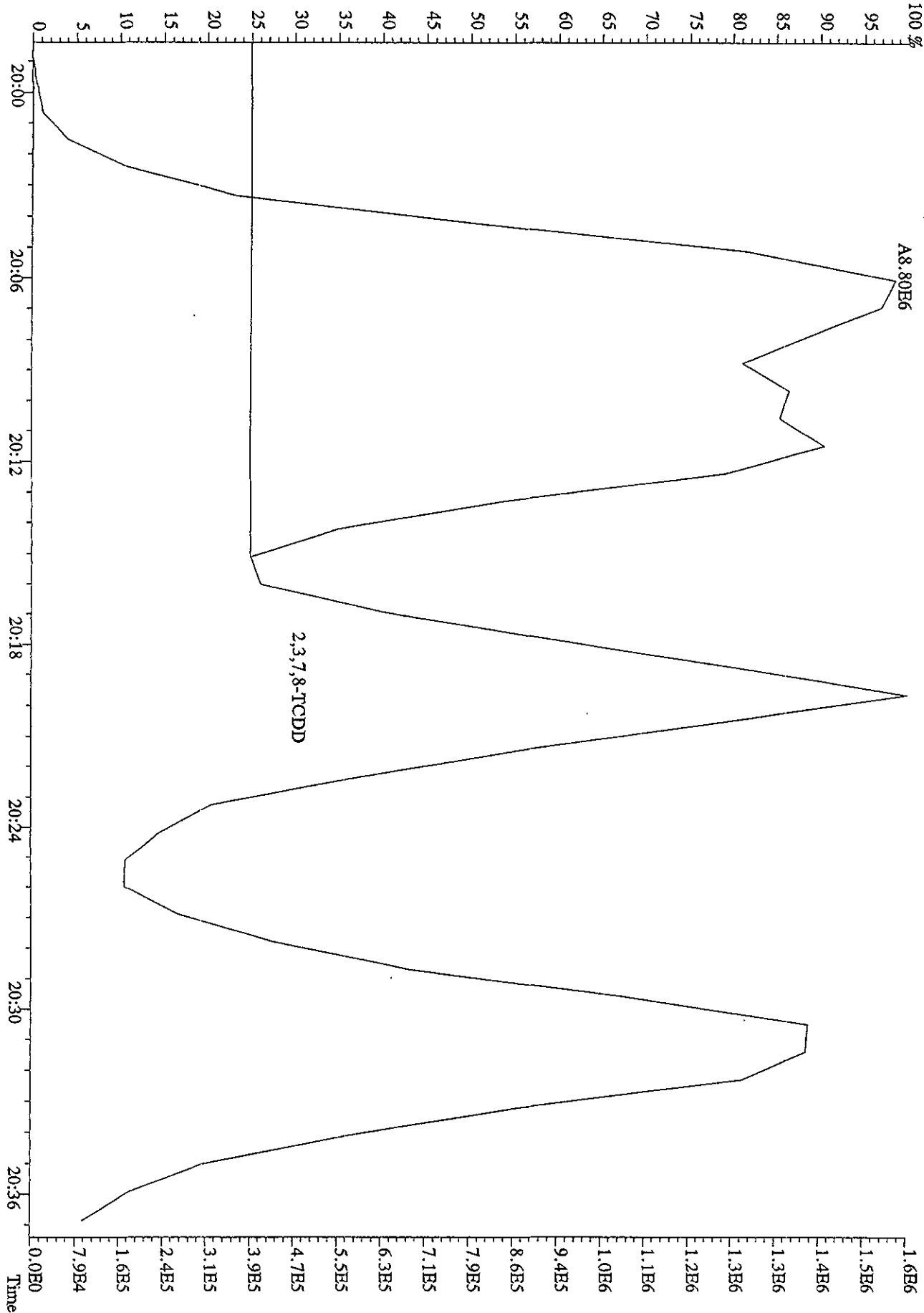
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 Experiment:DIOXINRES Function:4 Reference:PK



Peak Locate Examination: 13-OCT-2010:08:28 File: ENDRRES120C104D5
 Experiment: DIOXINRES Function: 5 Reference: PFK



File:12OC104D5 #1-530 Acq:12-OCT-2010 09:42:52 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CE1012 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 319.8965 BSUB(128,15,-3.0)



ST0721A : CS-1 10DXN342 ST0721B : CS-2 10DXN334 ST0721C : CS-3 10DXN336
 ST0721D : CS-5 10DXN339 ST0721E : CS-4 10DXN337

21JL10A4D521JL10A4D521JL10A4D521JL10A4D521JL10A4D521JL10A4D5

Name	Mean	S. D.	%RSD	S4	S5	S6	S7	S8
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-

13C-2,3,7,8-TCDF	1.229	0.154	12.5 %	1.30	1.31	1.39	1.03	1.11
2,3,7,8-TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03
Total TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03

13C-2,3,7,8-TCDD	0.905	0.029	3.25 %	0.92	0.92	0.94	0.88	0.87
2,3,7,8-TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02
Total TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02

37Cl-2,3,7,8-TCDD	1.326	0.015	1.12 %	1.33	1.31	1.32	1.35	1.32
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13C-1,2,3,7,8-PeCDF	0.876	0.018	2.08 %	0.86	0.90	0.86	0.89	0.87
1,2,3,7,8-PeCDF	1.077	0.042	3.92 %	1.03	1.04	1.08	1.11	1.12
2,3,4,7,8-PeCDF	1.046	0.040	3.80 %	1.00	1.02	1.08	1.04	1.09
Total F2 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10
Total F1 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10

13C-1,2,3,7,8-PeCDD	0.661	0.010	1.45 %	0.65	0.66	0.67	0.67	0.65
1,2,3,7,8-PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97
Total PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97

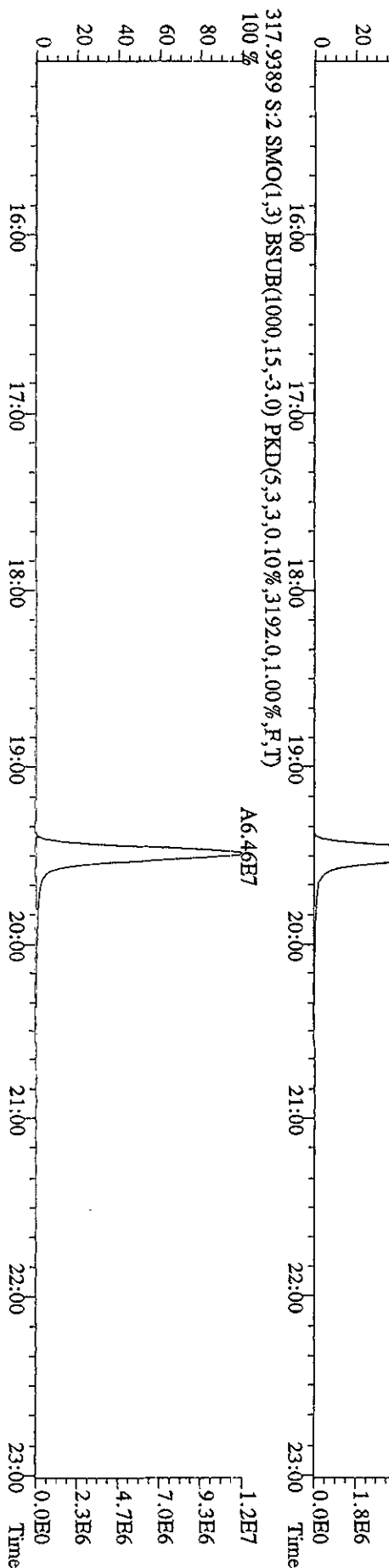
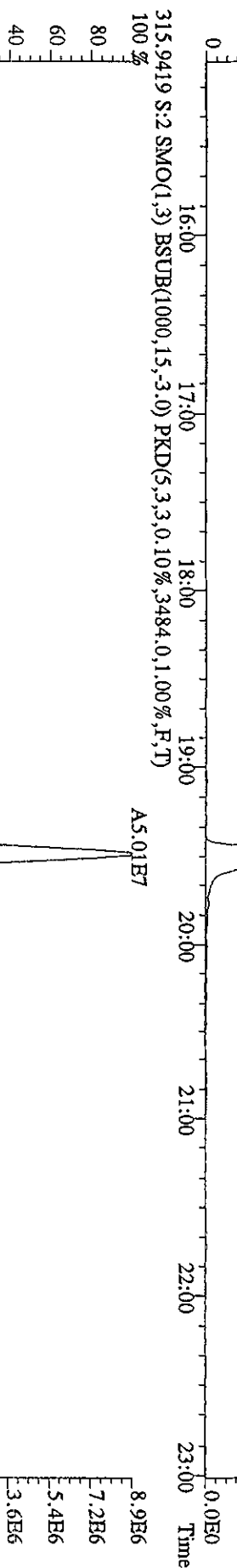
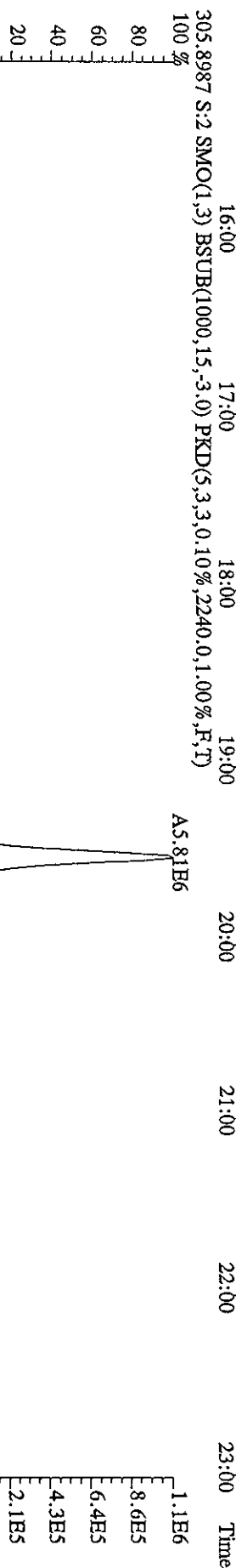
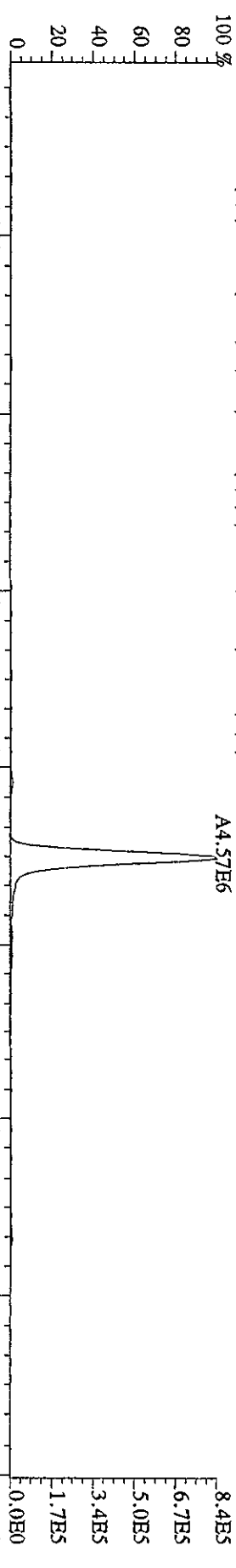
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
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13C-1,2,3,4,7,8-HxCDF	1.045	0.067	6.44 %	1.03	1.15	0.98	1.00	1.07
1,2,3,4,7,8-HxCDF	1.217	0.012	1.02 %	1.21	1.20	1.22	1.22	1.23
1,2,3,6,7,8-HxCDF	1.282	0.089	6.95 %	1.19	1.22	1.41	1.33	1.26
2,3,4,6,7,8-HxCDF	1.233	0.080	6.49 %	1.19	1.15	1.35	1.27	1.21
1,2,3,7,8,9-HxCDF	1.098	0.096	8.73 %	1.08	0.99	1.25	1.10	1.06
Total HxCDF	1.208	0.066	5.43 %	1.17	1.14	1.31	1.23	1.19

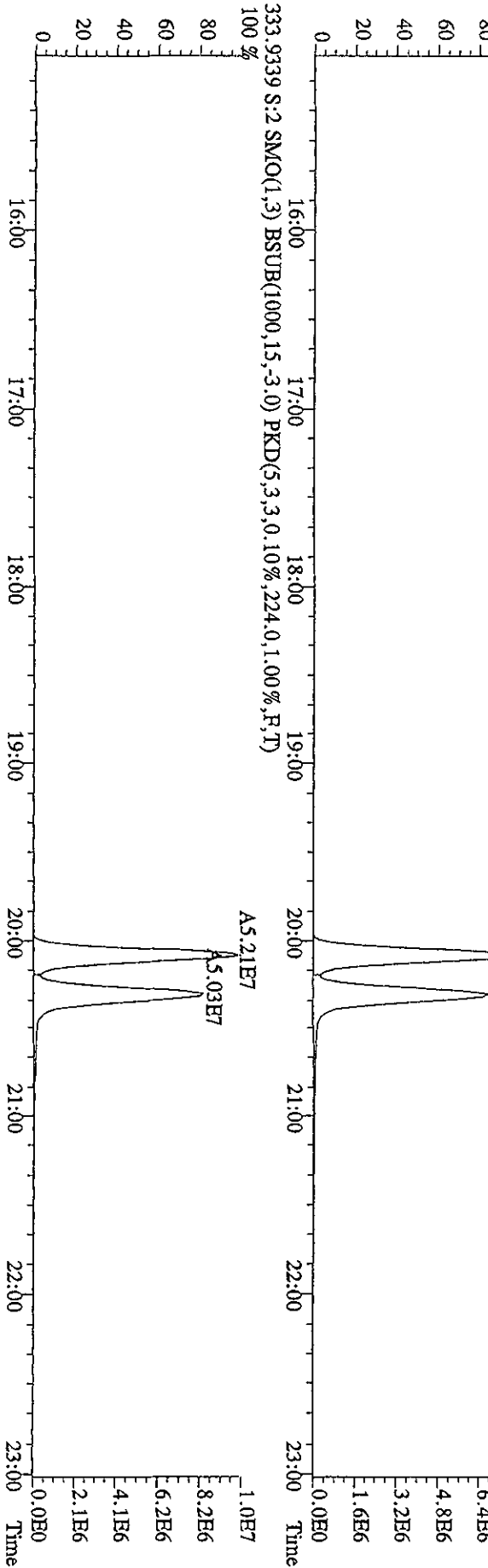
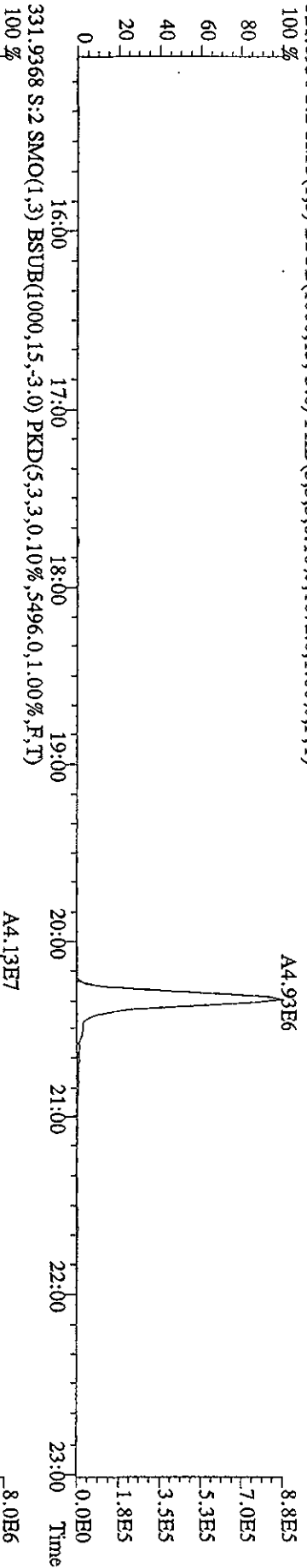
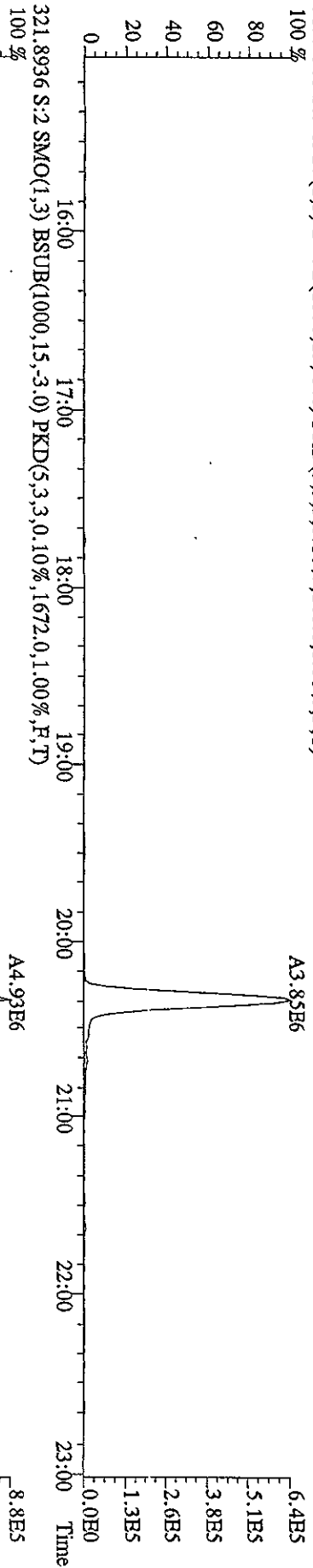
13C-1,2,3,6,7,8-HxCDD	0.831	0.055	6.68 %	0.84	0.83	0.92	0.77	0.79
1,2,3,4,7,8-HxCDD	1.037	0.122	11.8 %	0.90	0.99	0.97	1.17	1.16

1,2,3,6,7,8-HxCDD	1.163	0.060	5.18 %	1.14	1.23	1.10	1.12	1.23
1,2,3,7,8,9-HxCDD	1.182	0.057	4.86 %	1.15	1.16	1.12	1.25	1.24
Total HxCDD	1.127	0.067	5.93 %	1.06	1.12	1.06	1.18	1.21
1C-1,2,3,4,6,7,8-HpCDF	0.910	0.051	5.65 %	0.99	0.91	0.92	0.87	0.86
1,2,3,4,6,7,8-HpCDF	1.346	0.027	1.99 %	1.31	1.34	1.35	1.35	1.38
1,2,3,4,7,8,9-HpCDF	1.093	0.049	4.49 %	1.01	1.09	1.11	1.13	1.13
Total HpCDF	1.220	0.037	3.05 %	1.16	1.21	1.23	1.24	1.26
1C-1,2,3,4,6,7,8-HpCDD	0.827	0.049	5.98 %	0.89	0.85	0.83	0.76	0.79
1,2,3,4,6,7,8-HpCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10
Total HpCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10
13C-OCDD	0.620	0.029	4.60 %	0.66	0.63	0.63	0.60	0.59
OCDF	1.370	0.027	1.98 %	1.36	1.35	1.35	1.39	1.41
OCDD	1.199	0.066	5.48 %	1.31	1.17	1.16	1.17	1.19

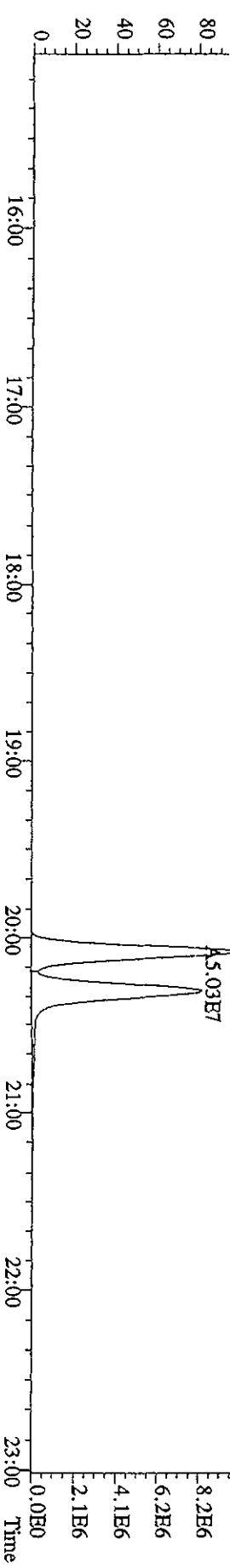
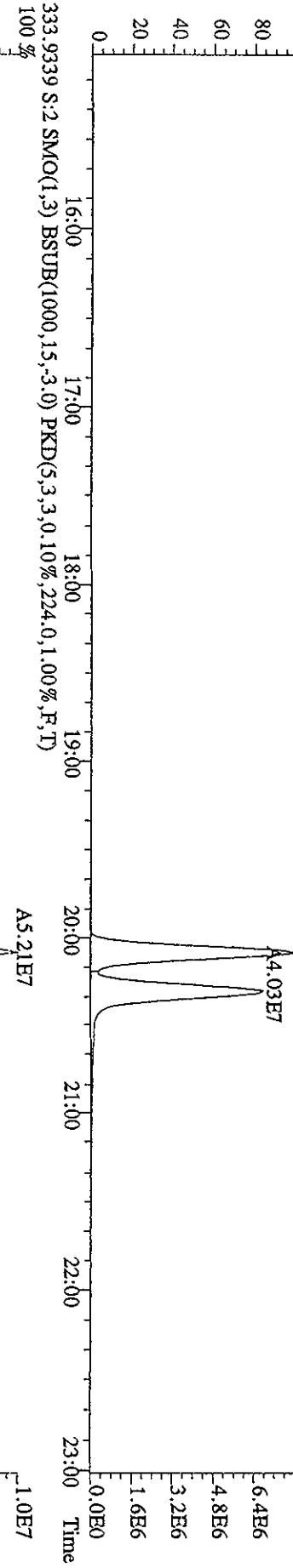
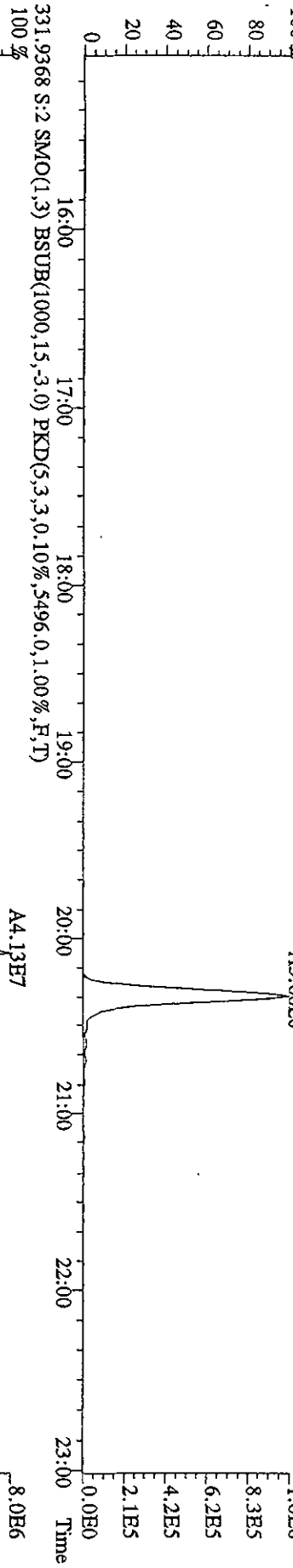
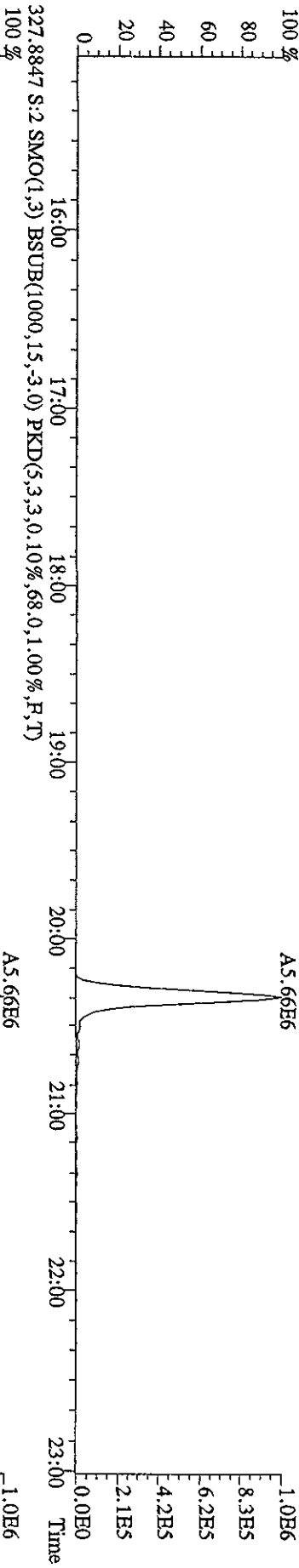
File:12OC104D5 #1-530 Acq:12-OCT-2010 10:27:23 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINES
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,268.0,1.00%,F,T)



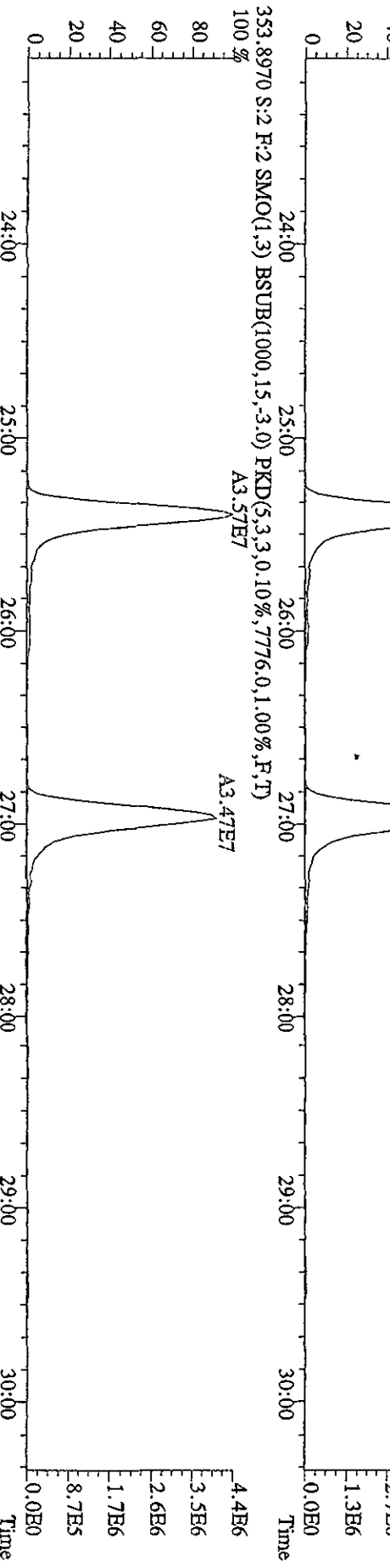
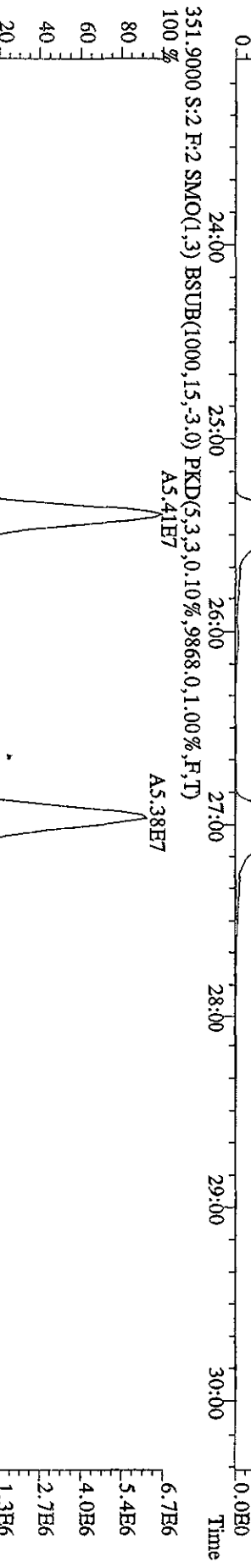
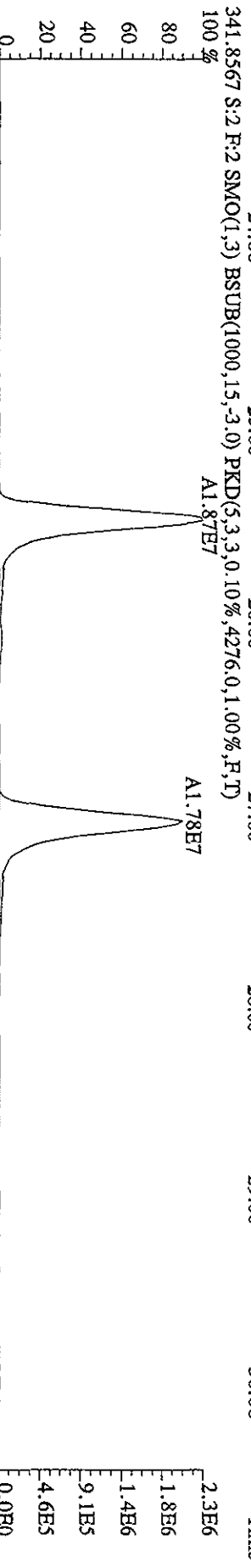
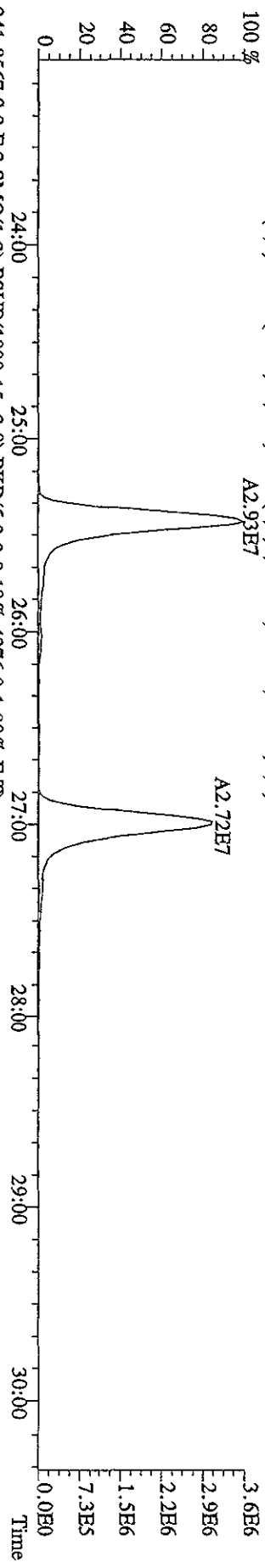
File:12OC104D5 #1-530 Acq:12-OCT-2010 10:27:23 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINRES
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,168.0,1.00%,F,T)



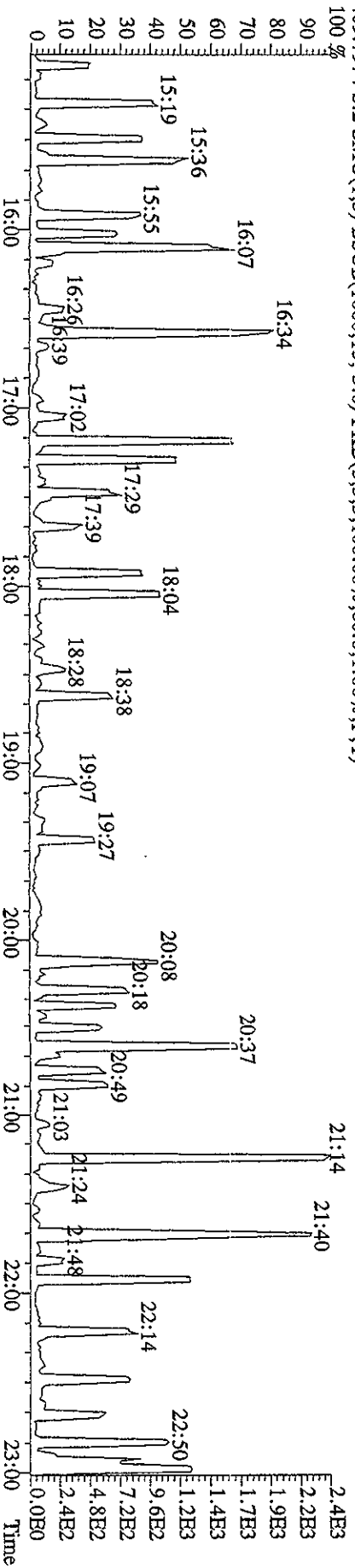
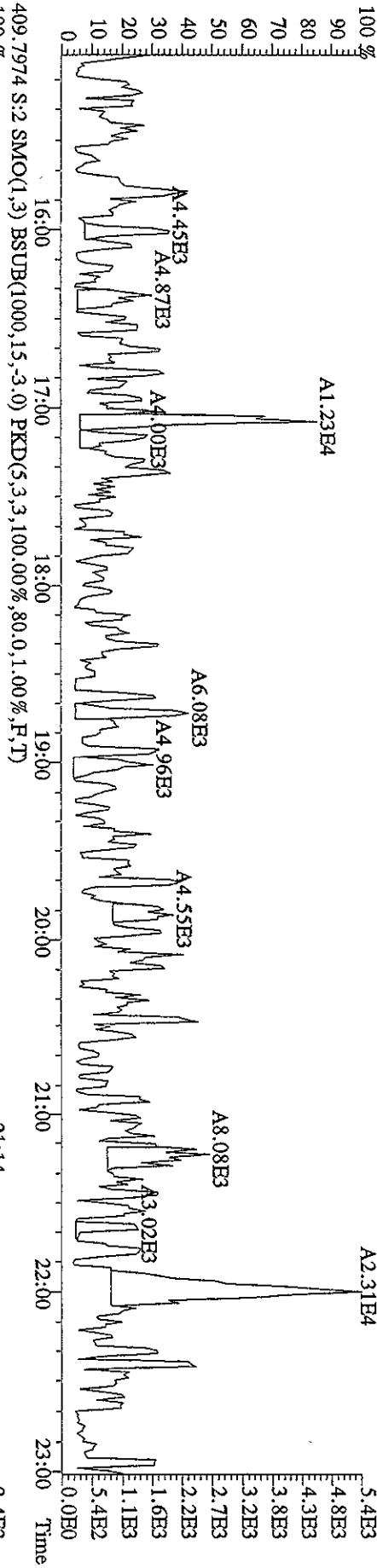
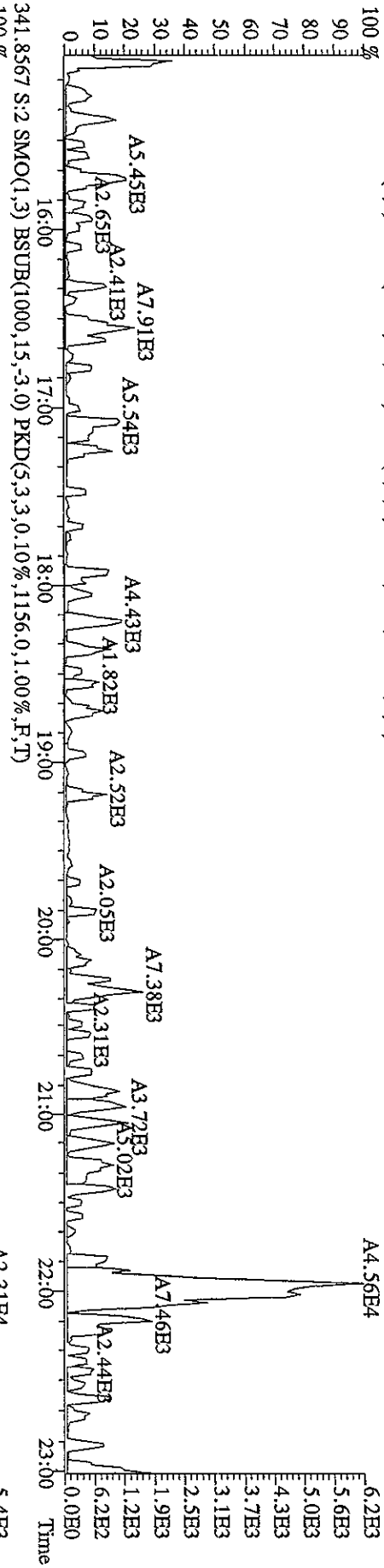
File: 12OC104D5 #1-530 Acq: 12-OCT-2010 10:27:23 GC HI + Voltage SIR Autospec-UltimaB
 Sample#2 Text: ST1012 :CS3 10DXN461 Exp: DIOXINRES
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,68.0,1.00%,F,T)
 100%



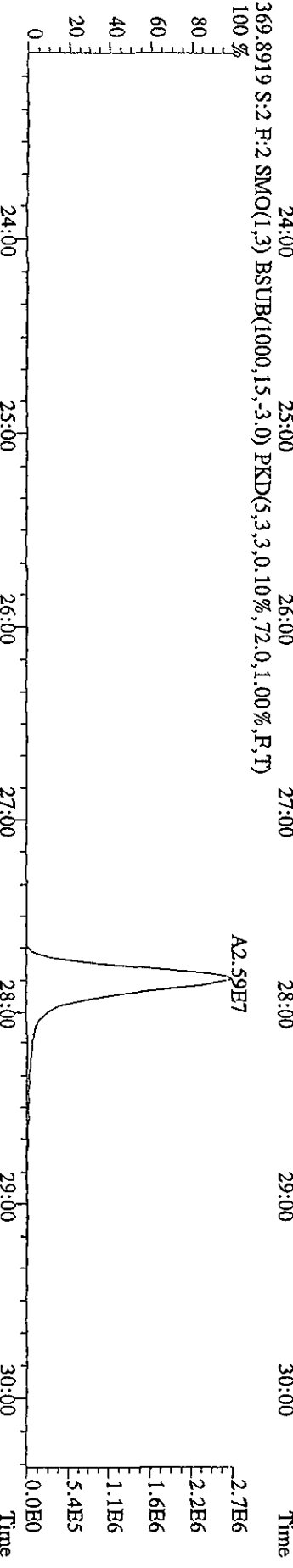
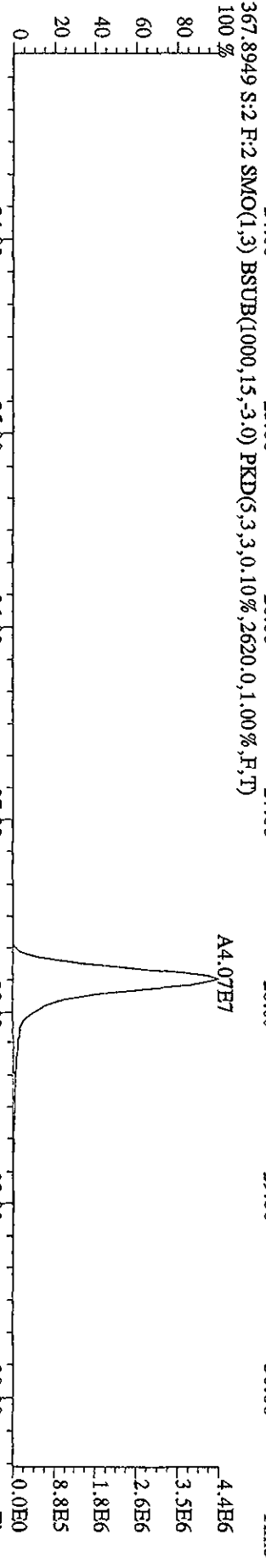
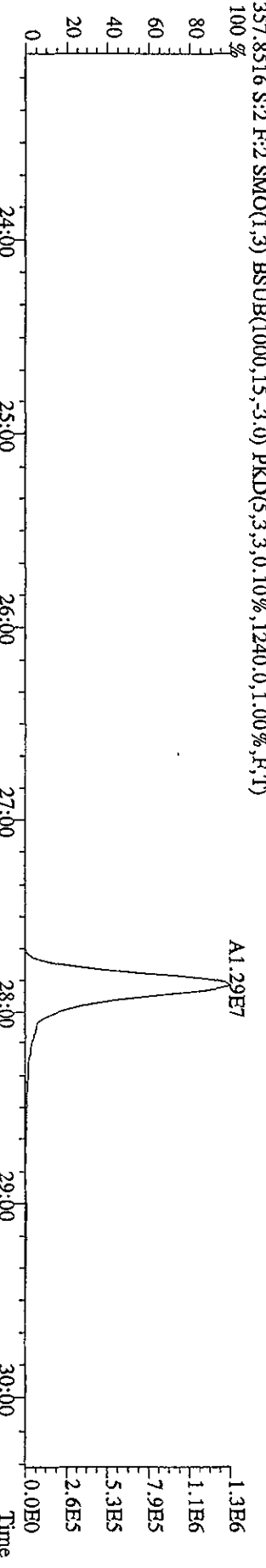
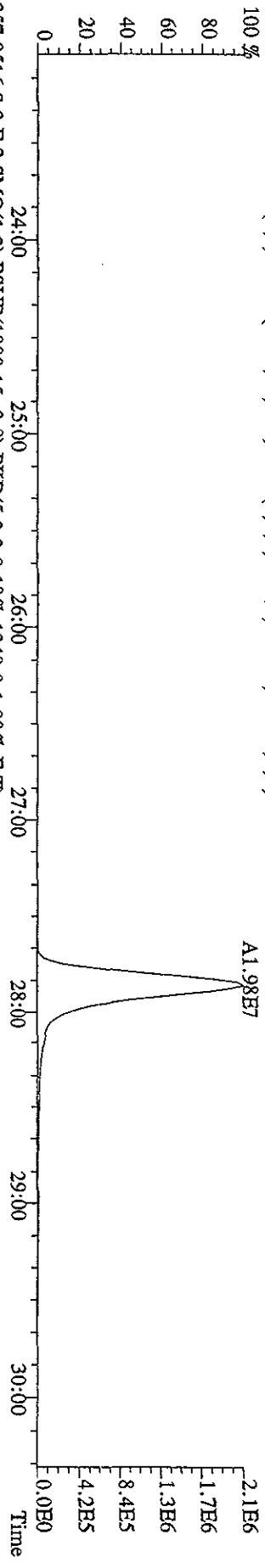
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 Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINRES
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3708.0,1.00%,F,T)
 100%



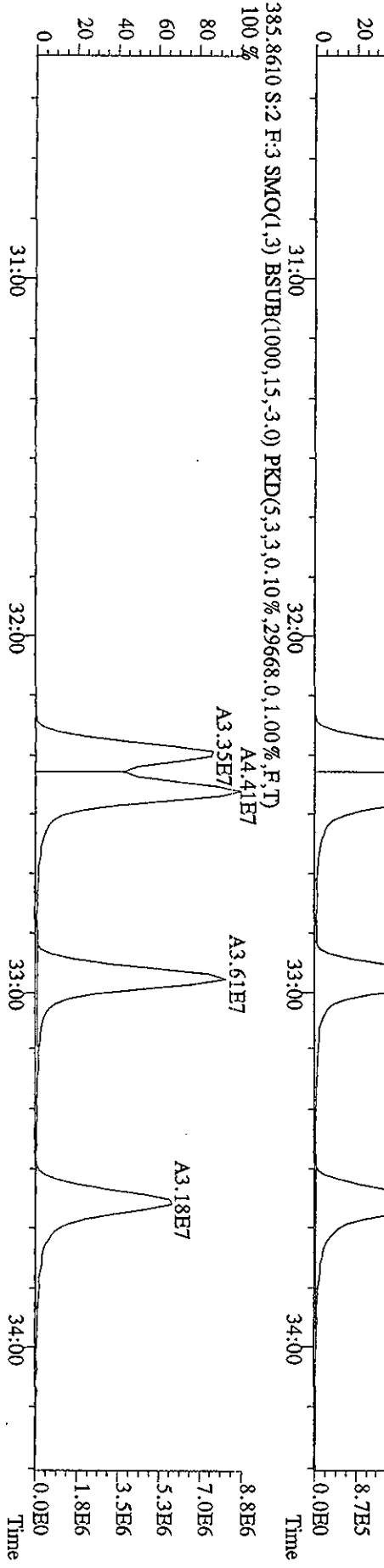
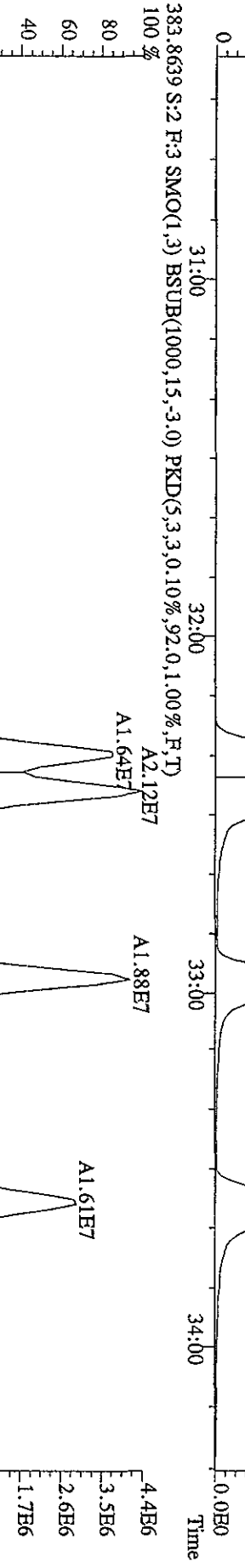
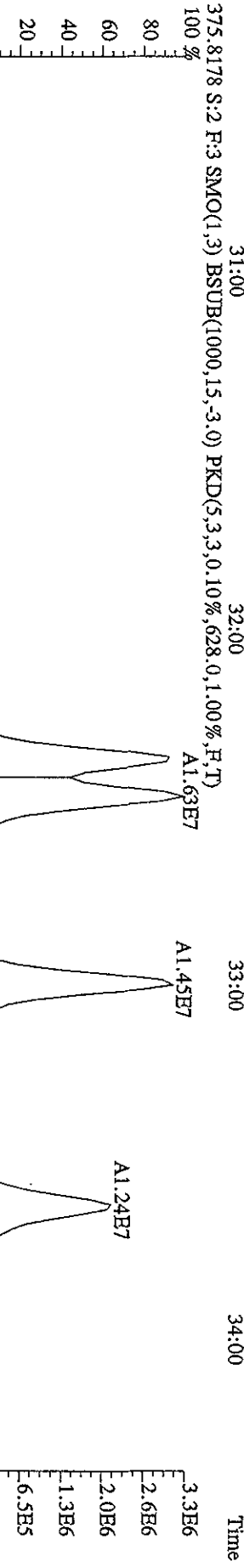
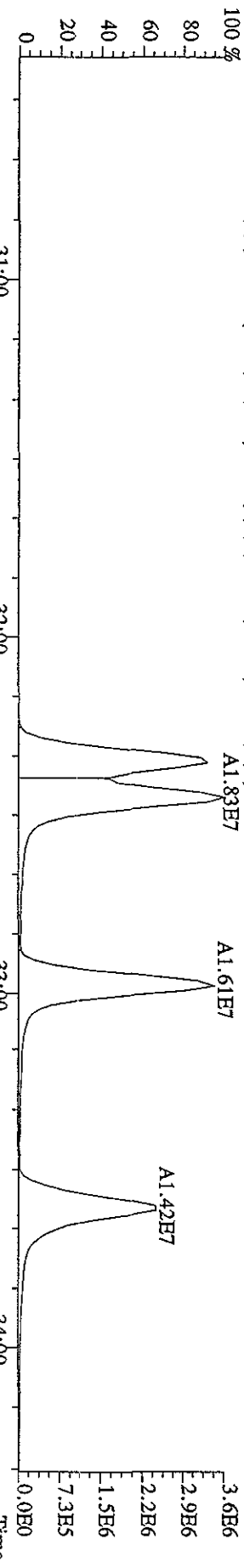
File:12OC104D5 #1-530 Acq:12-OCT-2010 10:27:23 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINRES
 339.8597 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96.0,1.00%,F,T)



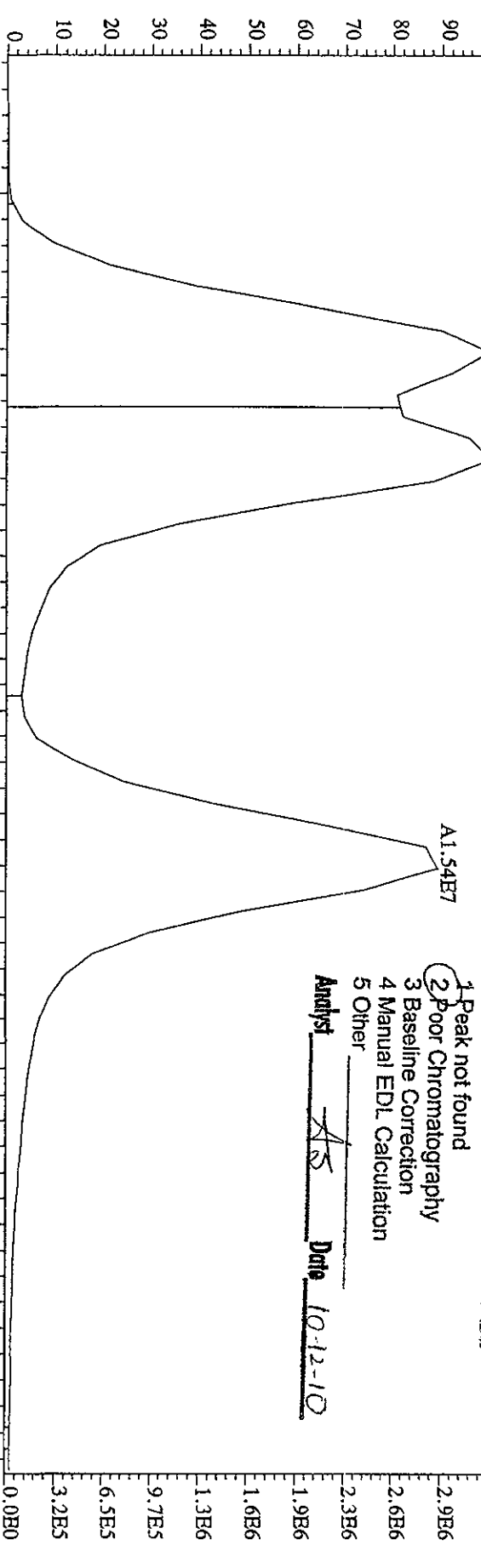
File:120C104D5 #1-470 Acq:12-OCT-2010 10:27:23 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINES
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2156,0,1,00%,F,T) 100%



File:12OC104D5 #1-286 Acq:12-OCT-2010 10:27:23 GC BI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINRES
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,568.0,1.00%,F,T)
 100%



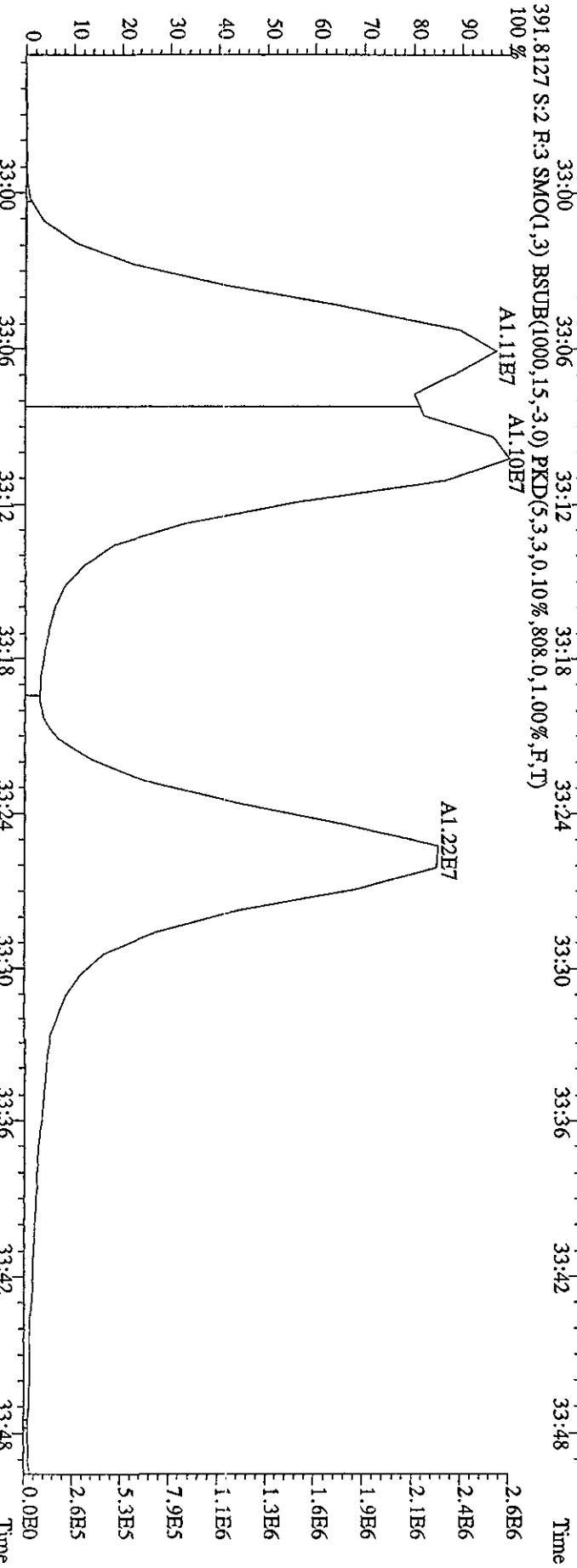
File:12OC104D5 #1-286 Acq:12-OCT-2010 10:27:23 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINRES
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,140.0,1.00%,F,T)
 100%



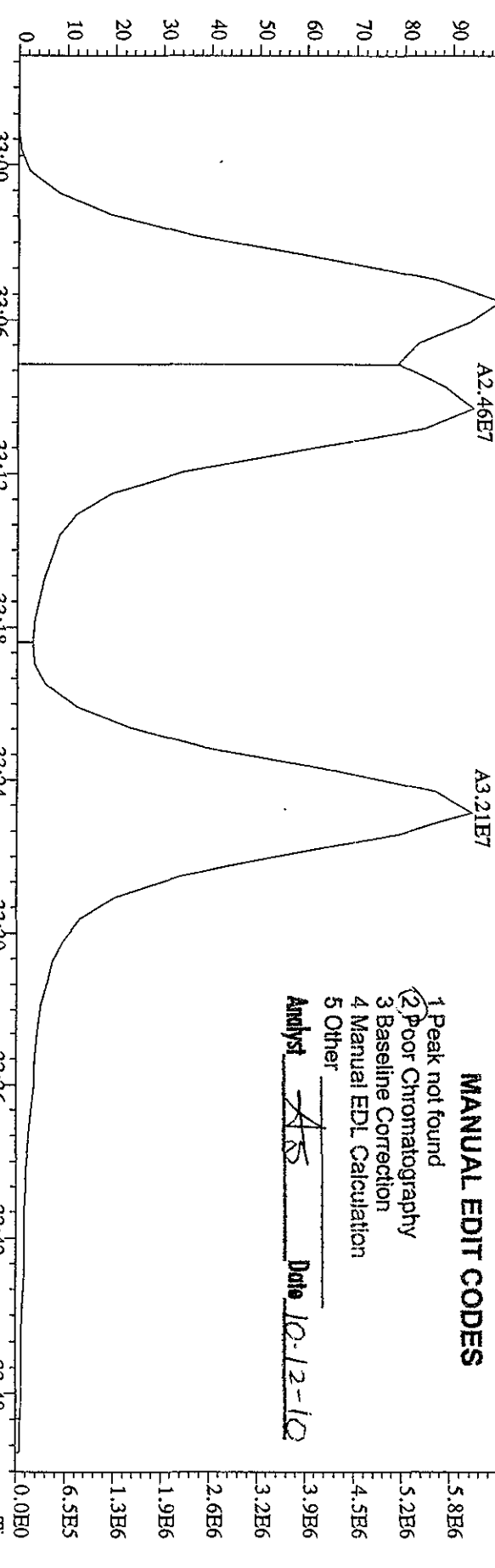
MANUAL EDIT CODES

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

Analyst AS Date 10-12-10



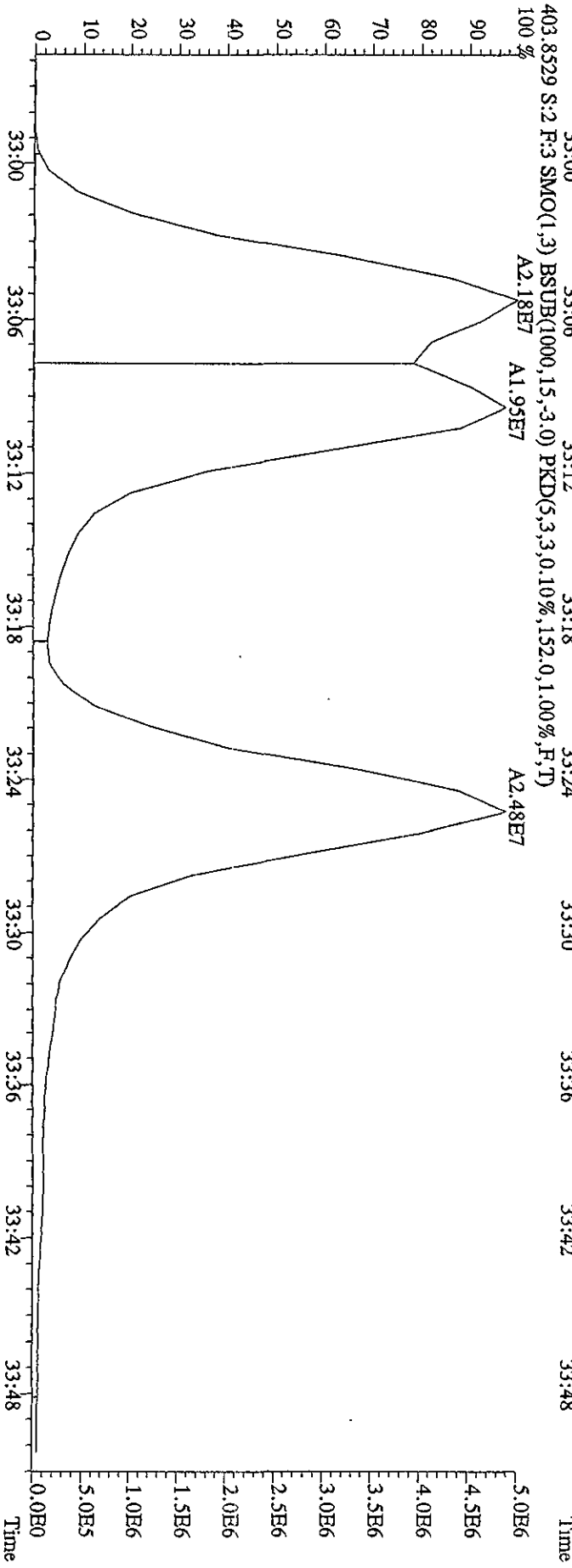
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 401.8559 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,100,0,1,00%,F,T)
 100%



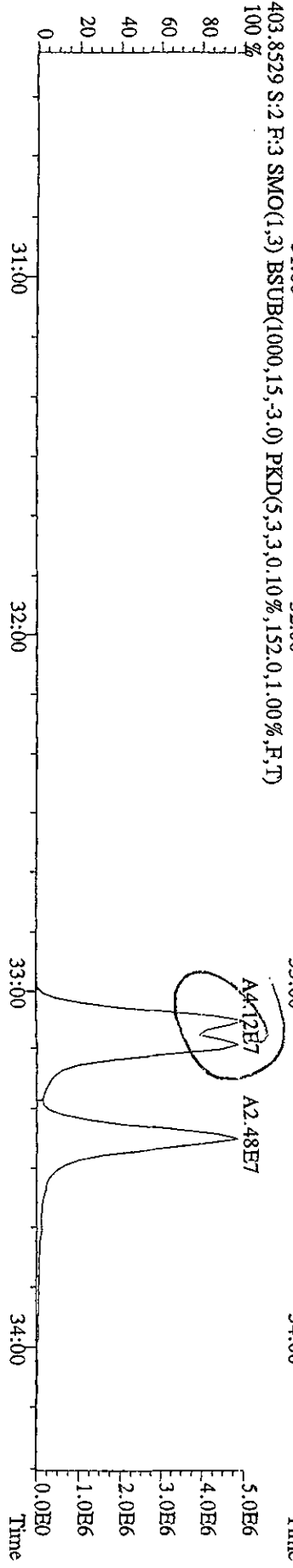
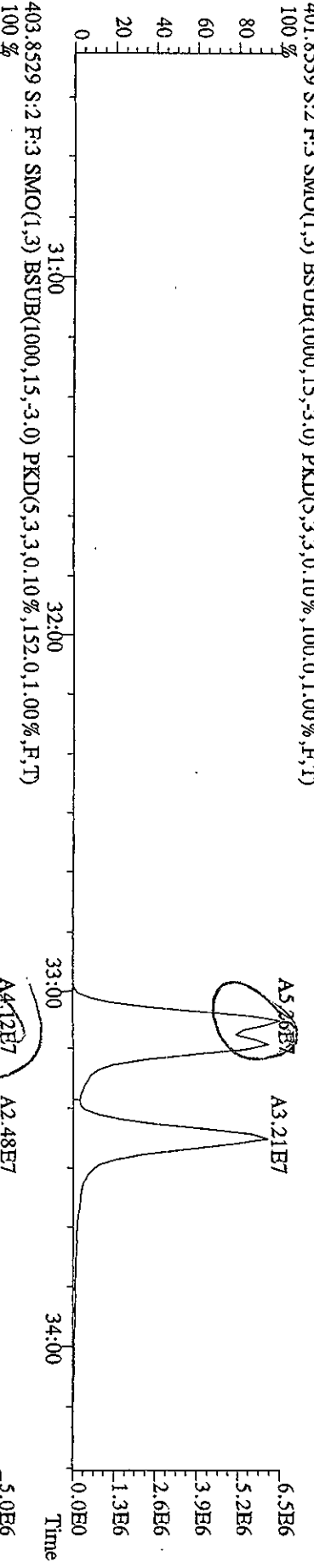
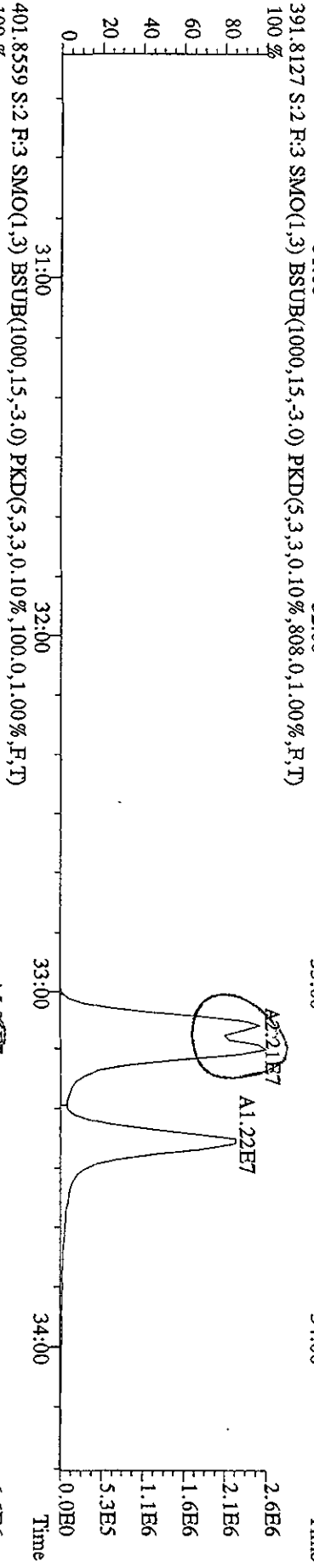
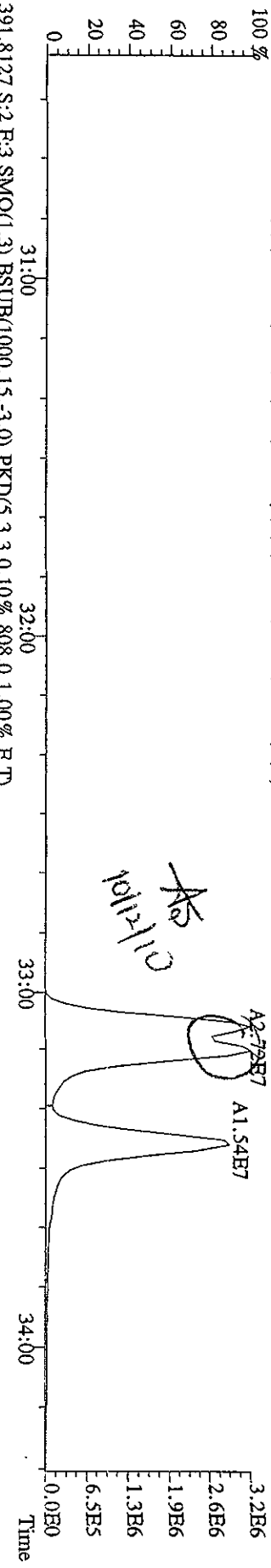
MANUAL EDIT CODES

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

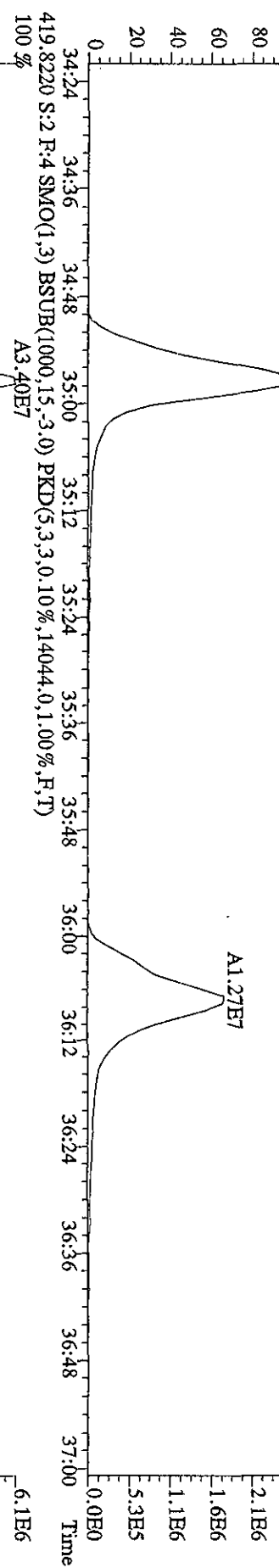
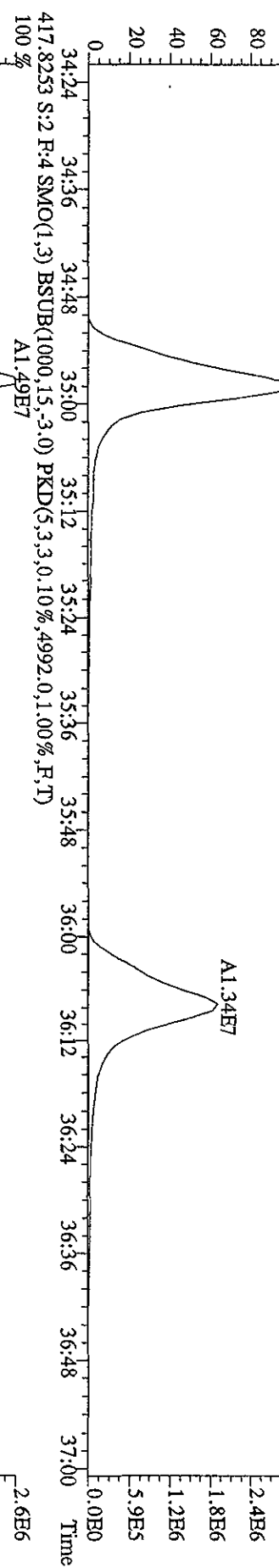
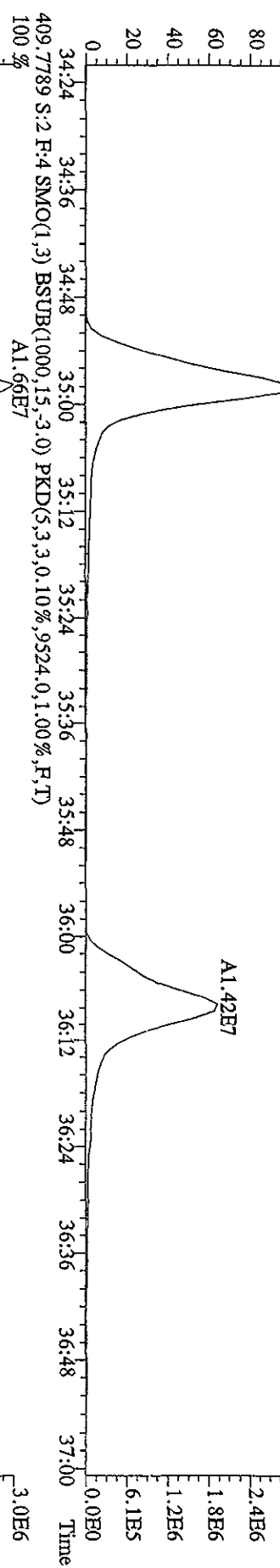
Analyst AS Date 10-12-10



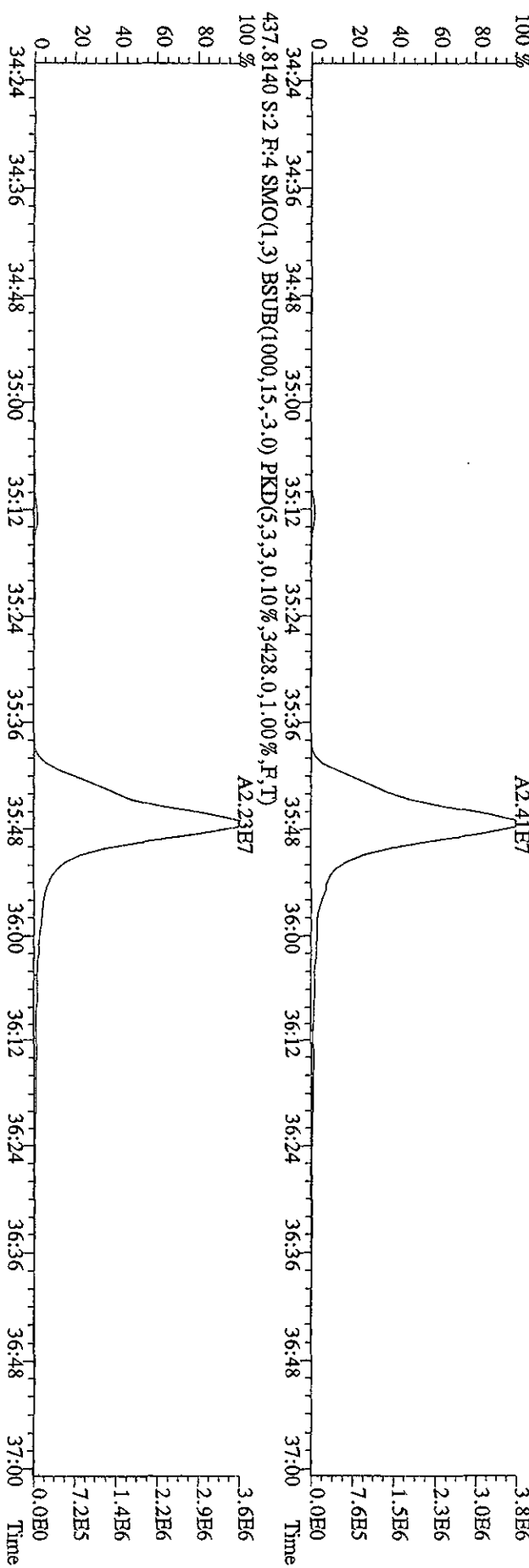
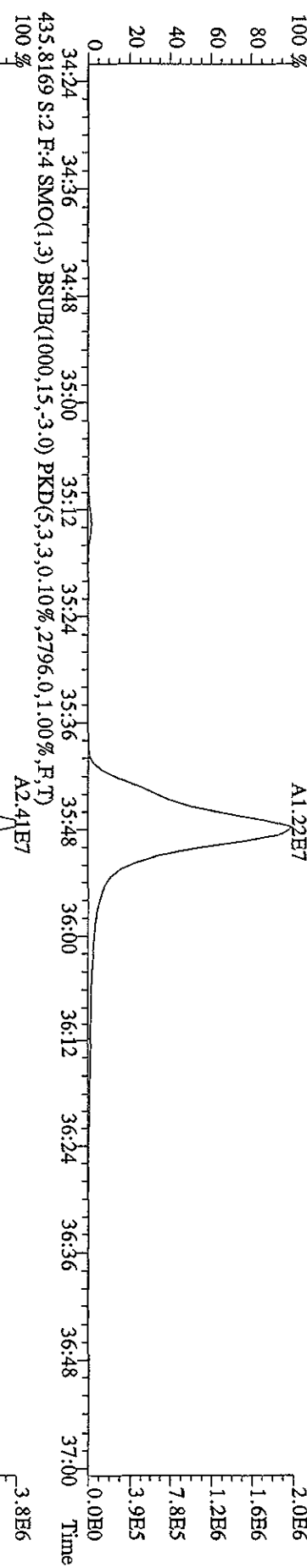
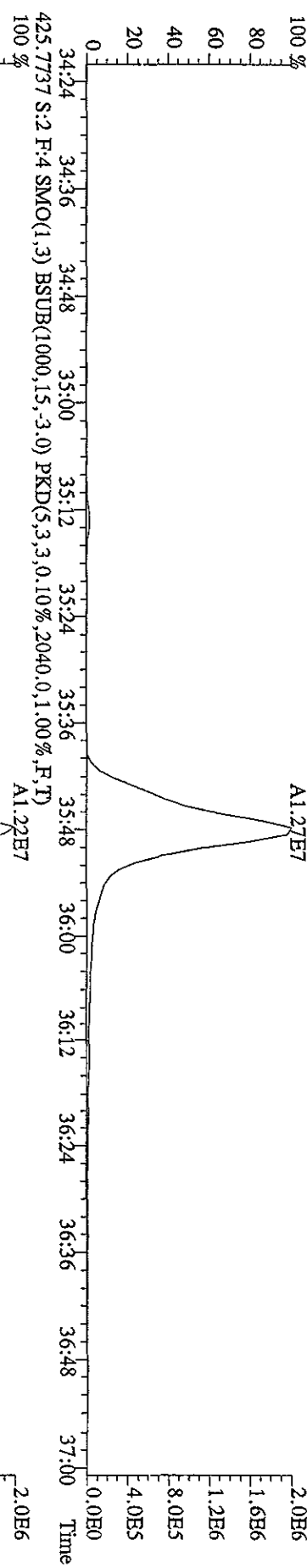
File:12OC104D5 #1-286 Acq:12-OCT-2010 10:27:23 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINRES
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,140,0,1,00%,F,T)



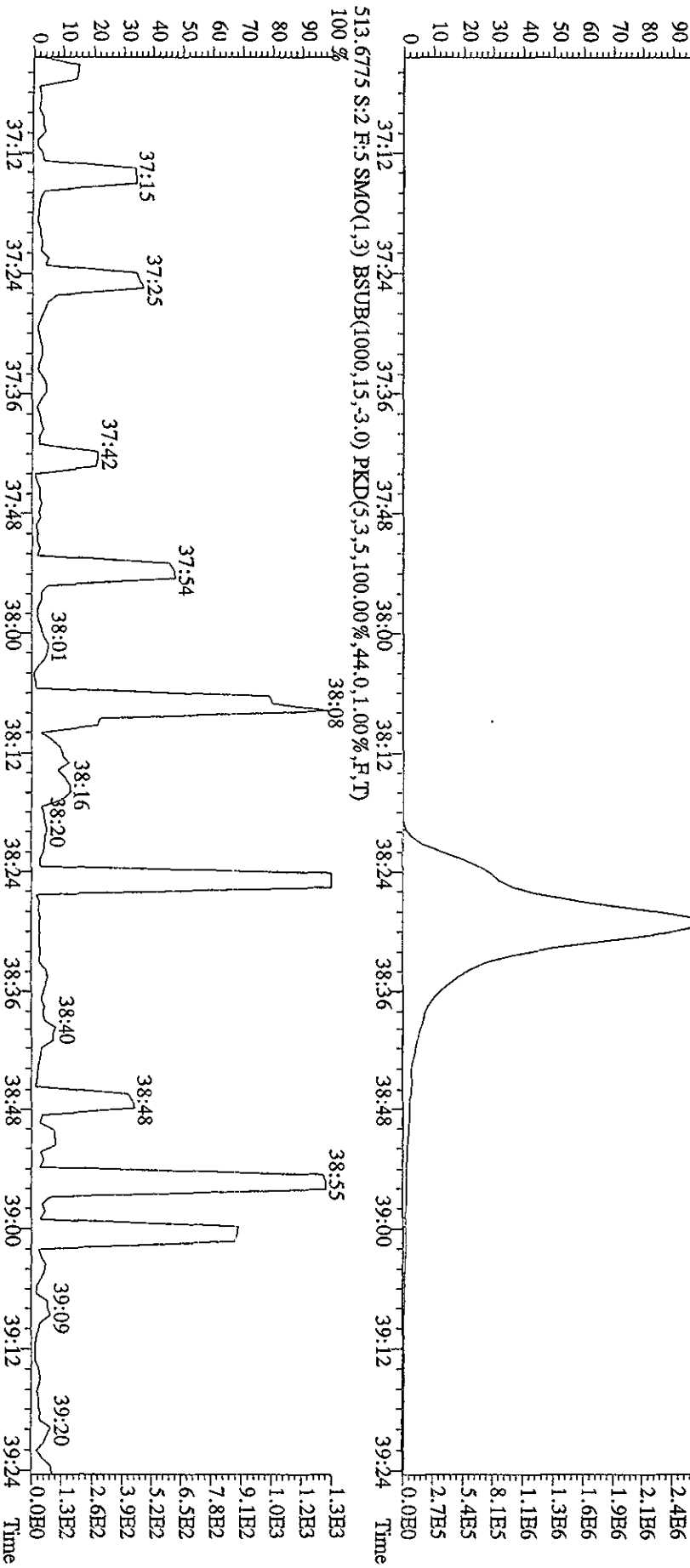
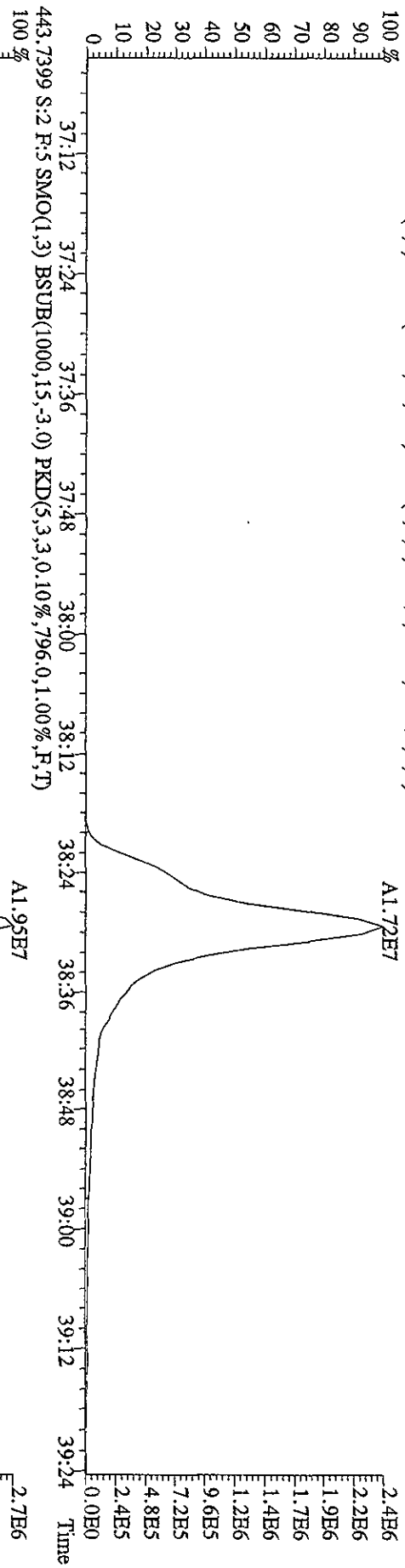
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 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6892.0,1.00%,F,T)
 100% A1.73E7



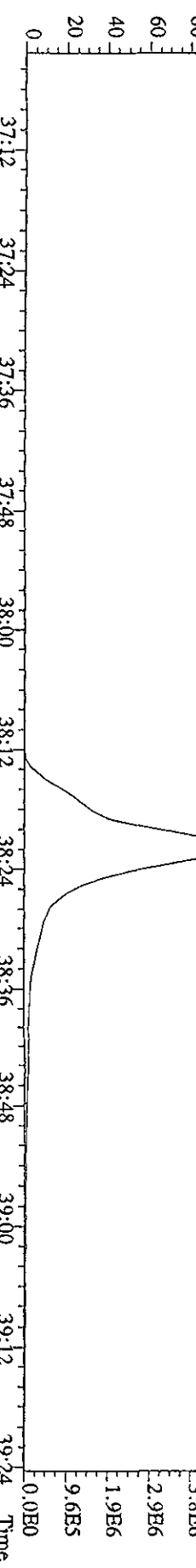
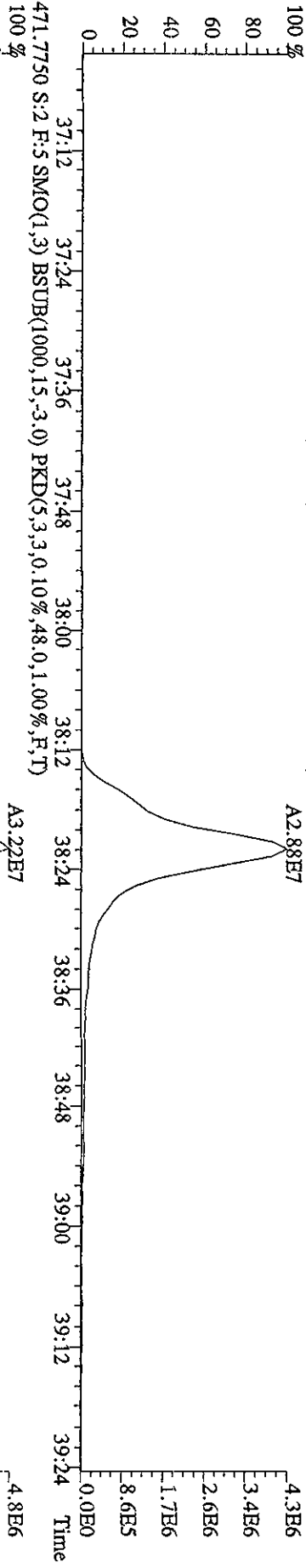
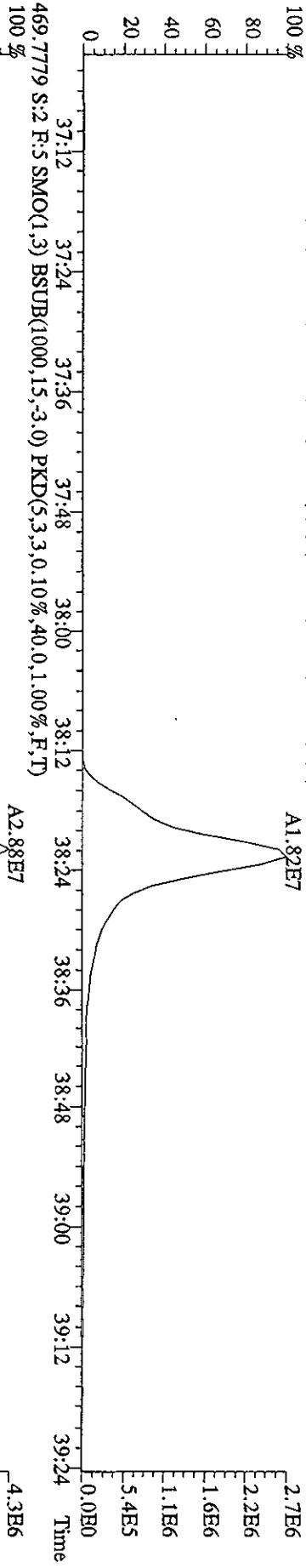
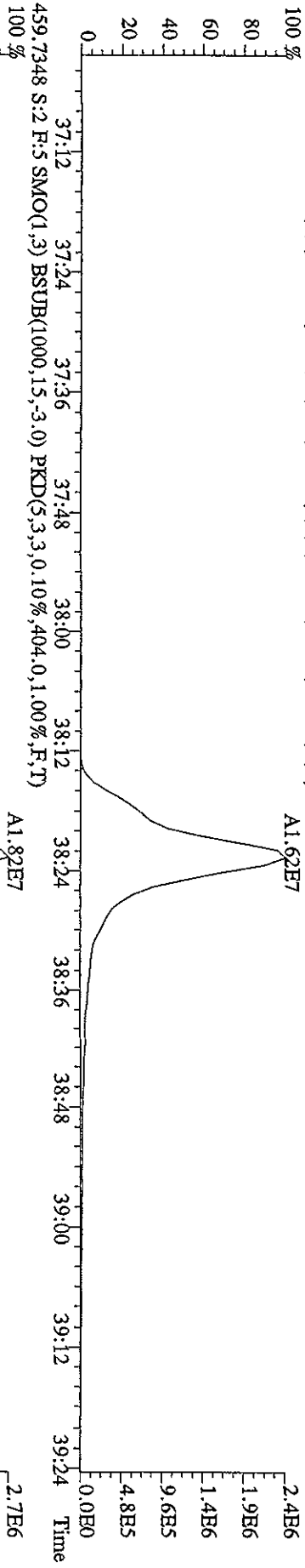
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 423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3708.0,1.00%,F,T)
 100%



File:120C104D5 #1-192 Acq:12-OCT-2010 10:27:23 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:ST1012 :CS3 10DDXN461 Exp:DIOXINES
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,324.0,1.00%,F,T)



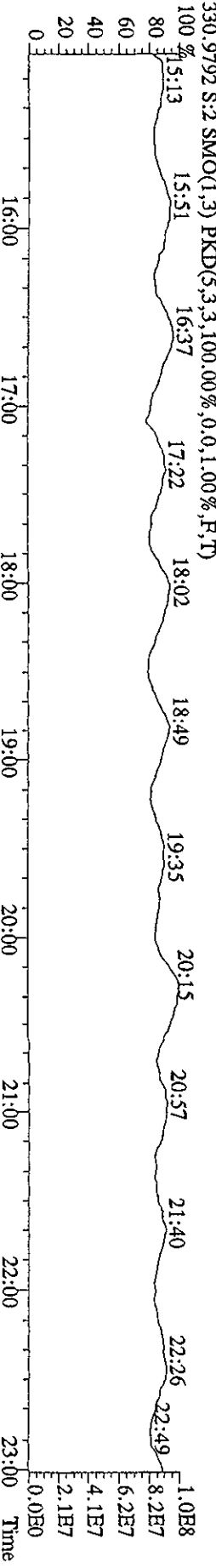
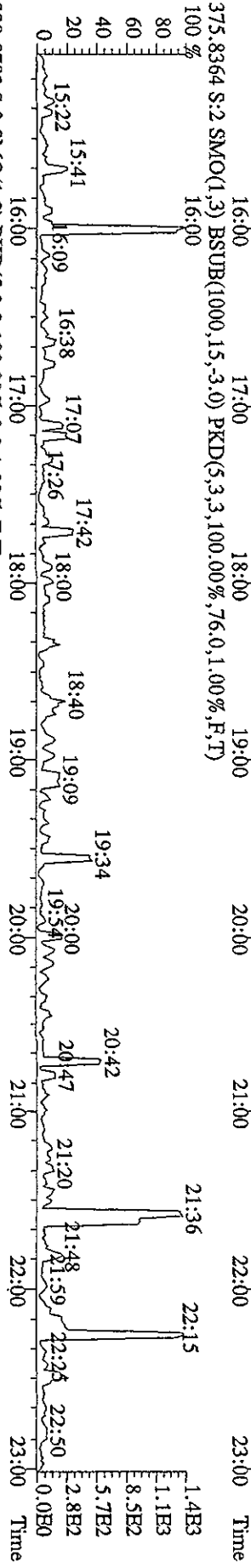
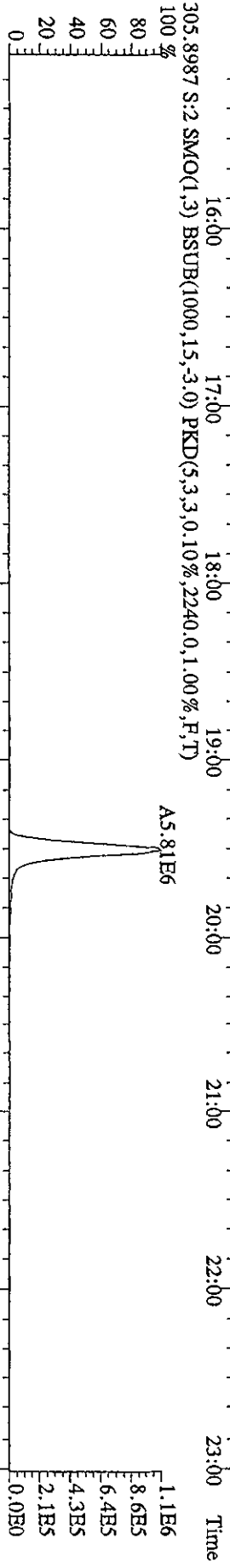
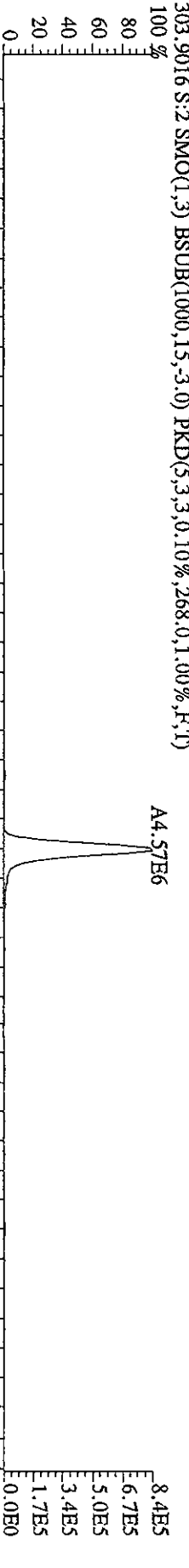
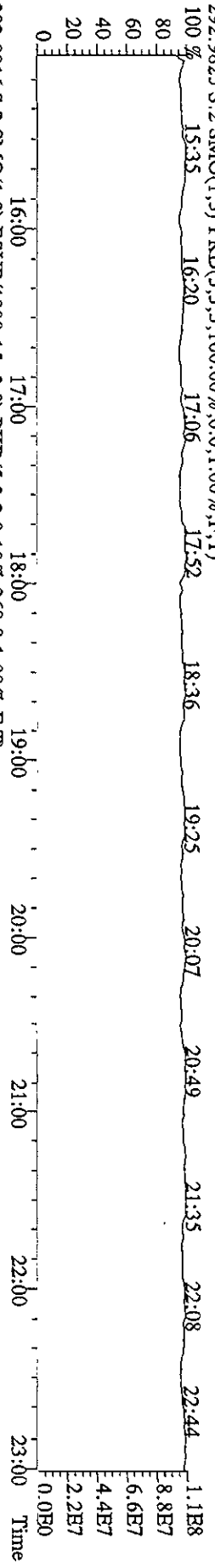
File: 12OC104D5 #1-192 Acq: 12-OCT-2010 10:27:23 GC HI + Voltage SIR Autospec-UltimaE
 Sample#2 Text: ST1012 :CS3 10DXN461 Exp: DIOXINRES
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,404,0,1,00%,F,T)
 100%



File:12OC104D5 #1-530 Acq:12-OCT-2010 10:27:23 GC EI+ Voltage SIR Autospec-UltimaE

Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINRES

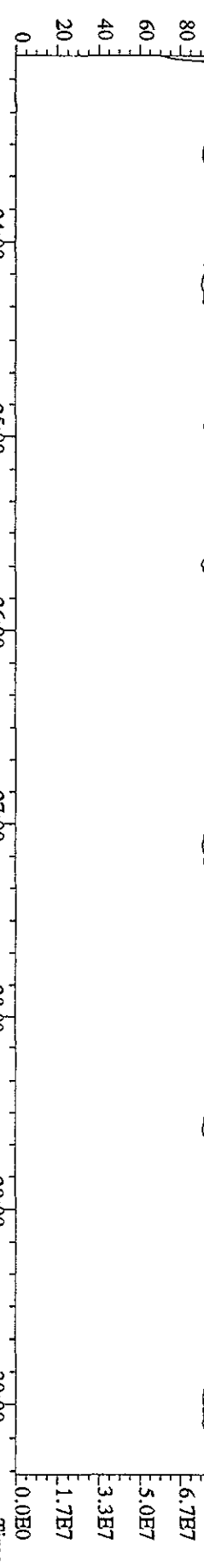
292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



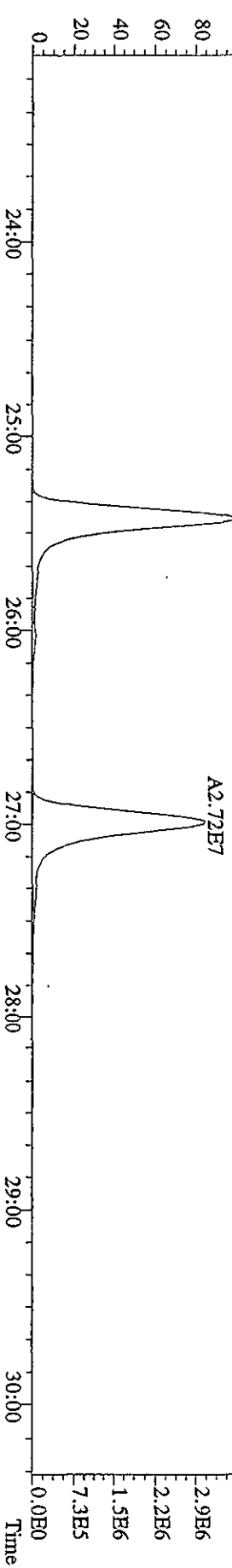
File: 120C104D5 #1-470 Acq: 12-OCT-2010 10:27:23 GC EI+ Voltage SIR Autospec-UltimaB

Sample# 2 Text: ST1012 :CS3 10DXN461 Exp: DIOXINRES

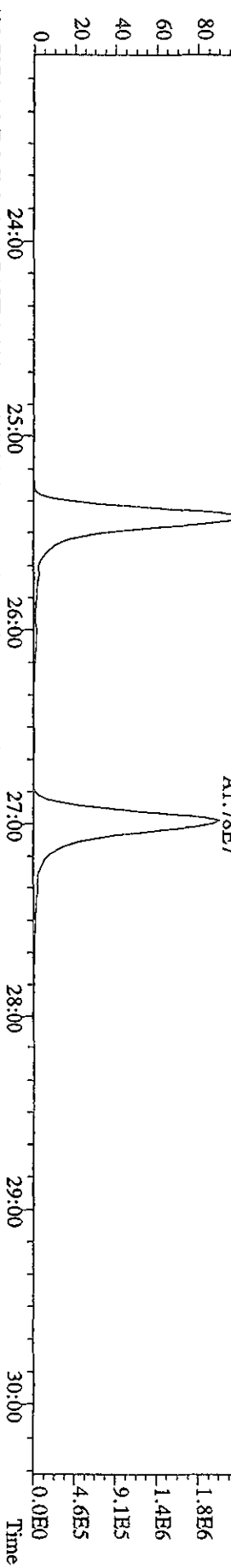
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



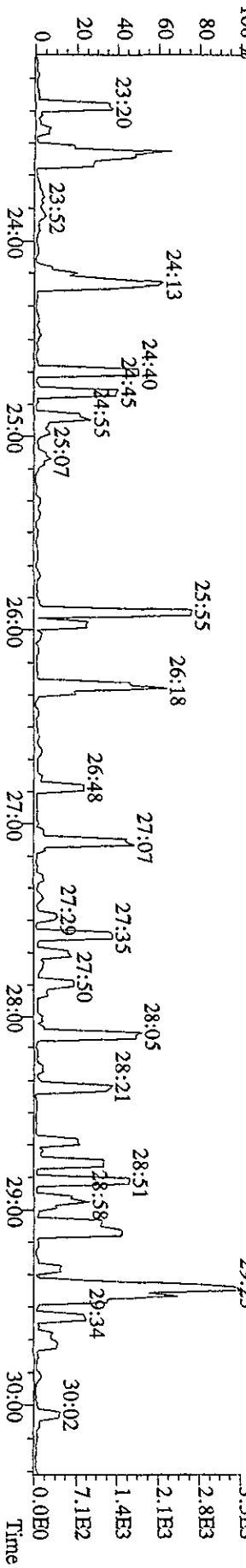
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3708,0.1,0.00%,F,T)



341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4276,0.1,0.00%,F,T)



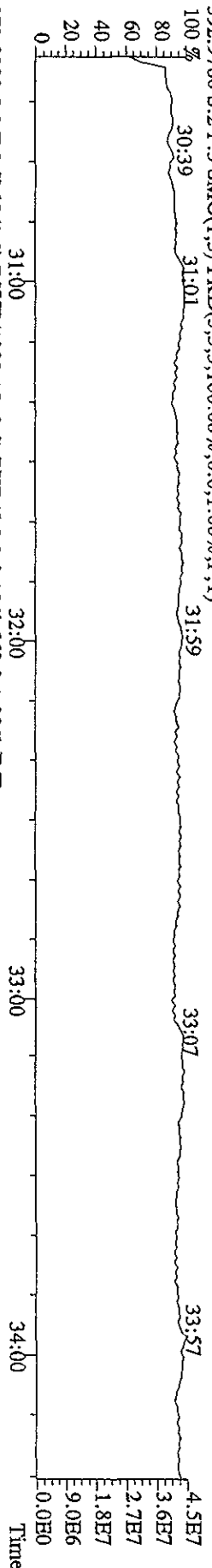
409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,68,0.1,0.00%,F,T)



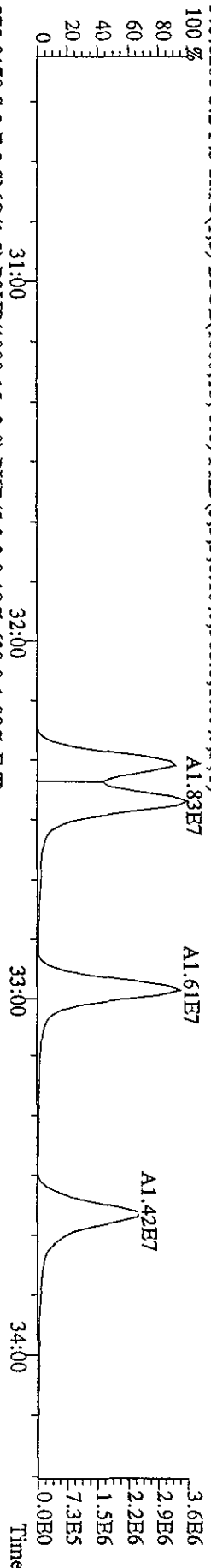
File:12OCT104D5 #1-286 Acq:12-OCT-2010 10:27:23 GC EI+ Voltage SIR Autospec-UltimaE

Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINRES

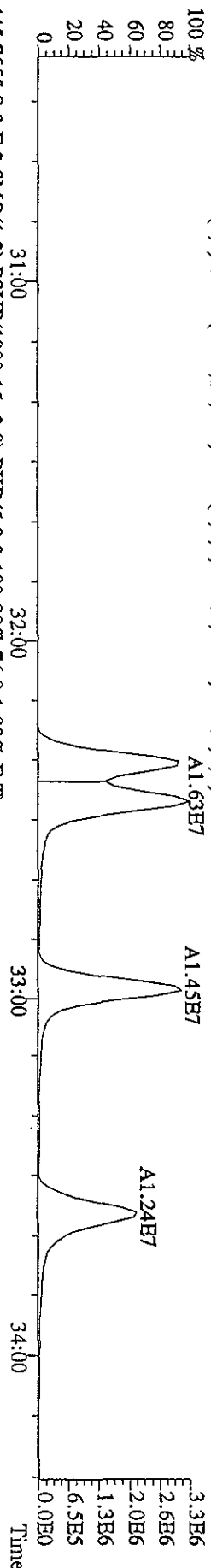
392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



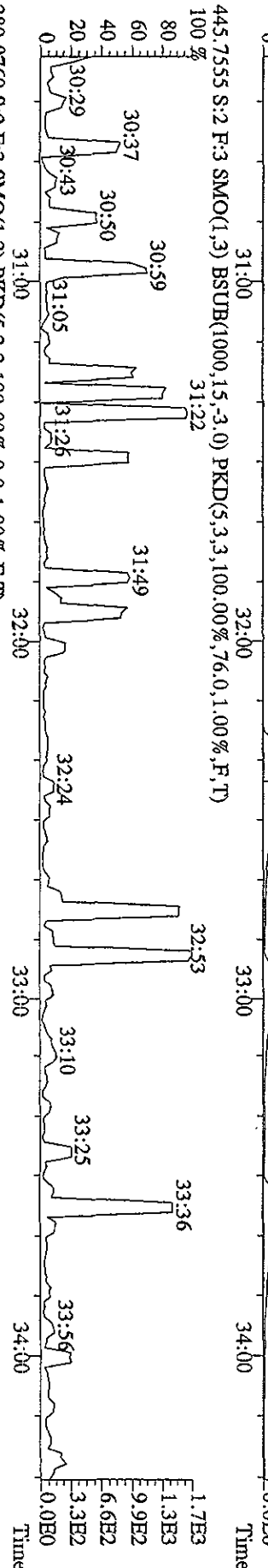
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,568,0.1,0.0%,F,T)



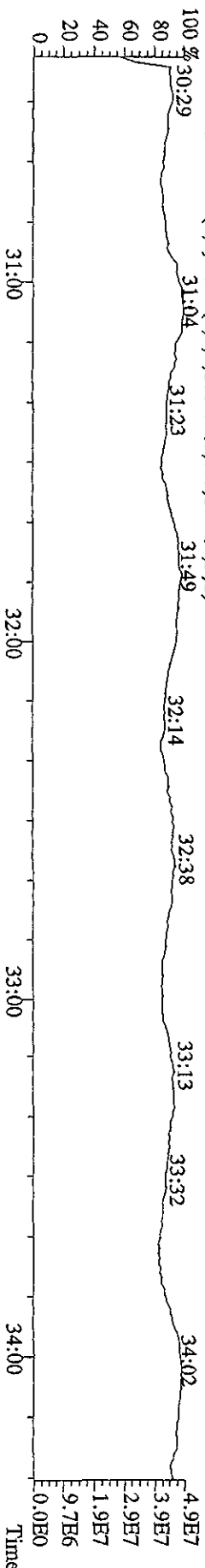
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,628,0.1,0.0%,F,T)



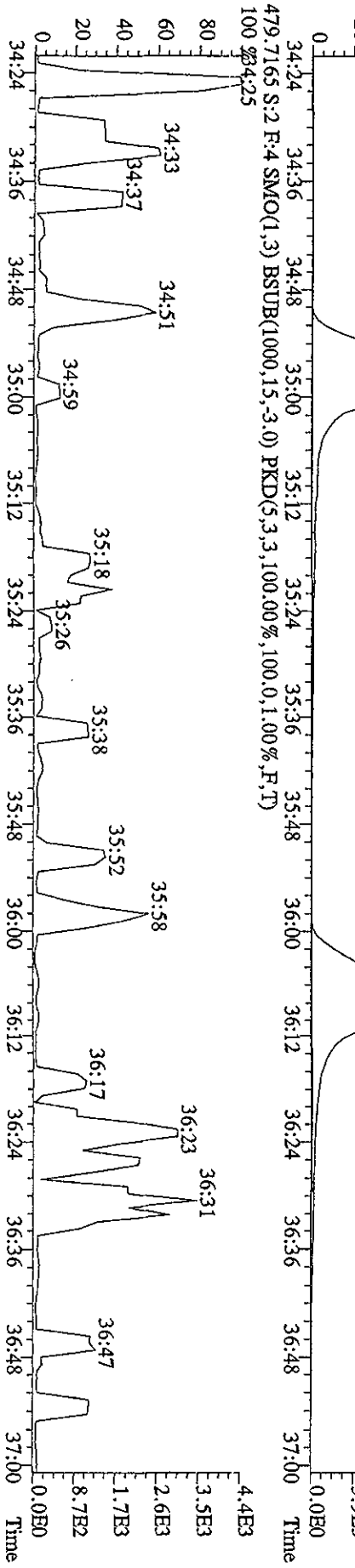
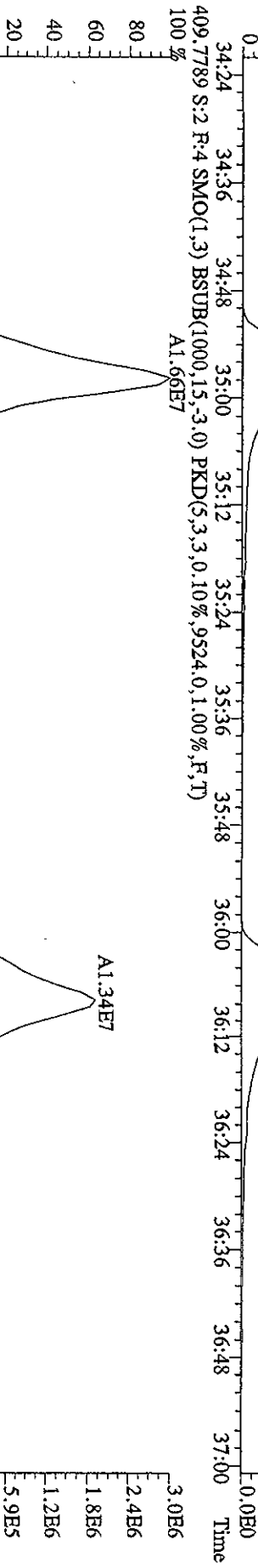
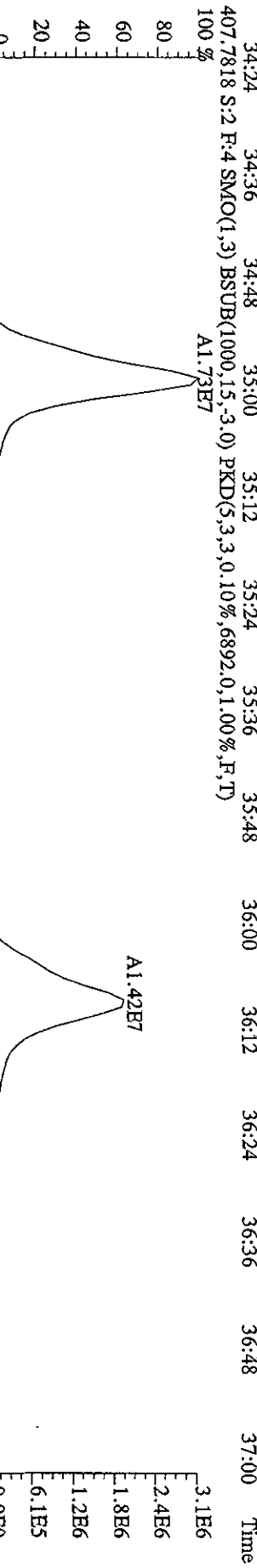
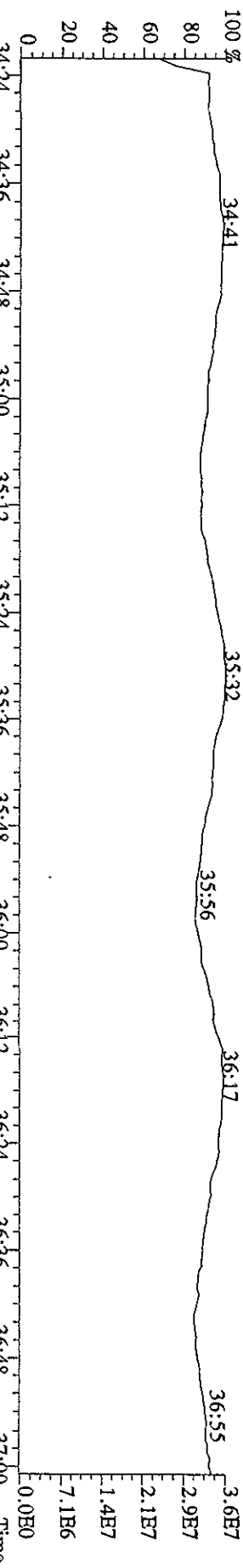
445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,76.0,1.00%,F,T)



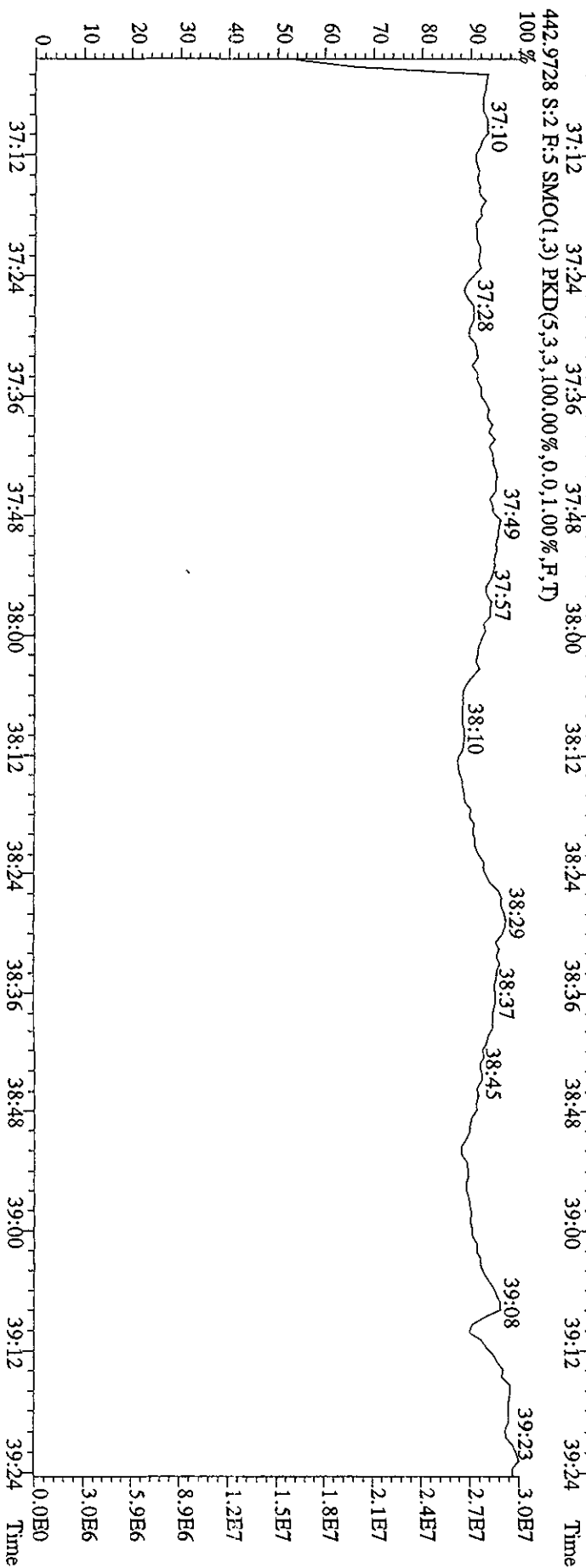
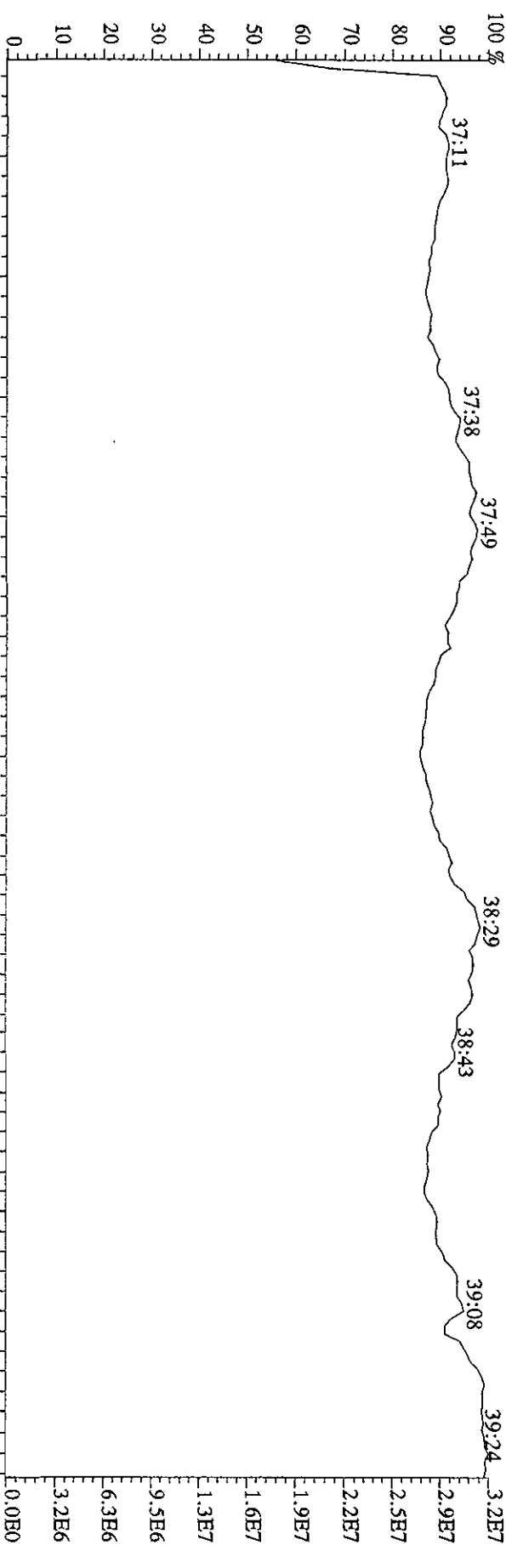
380.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



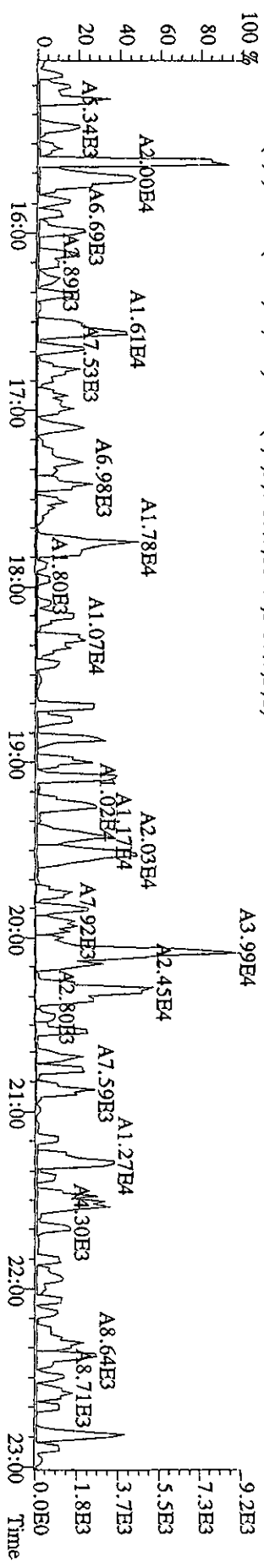
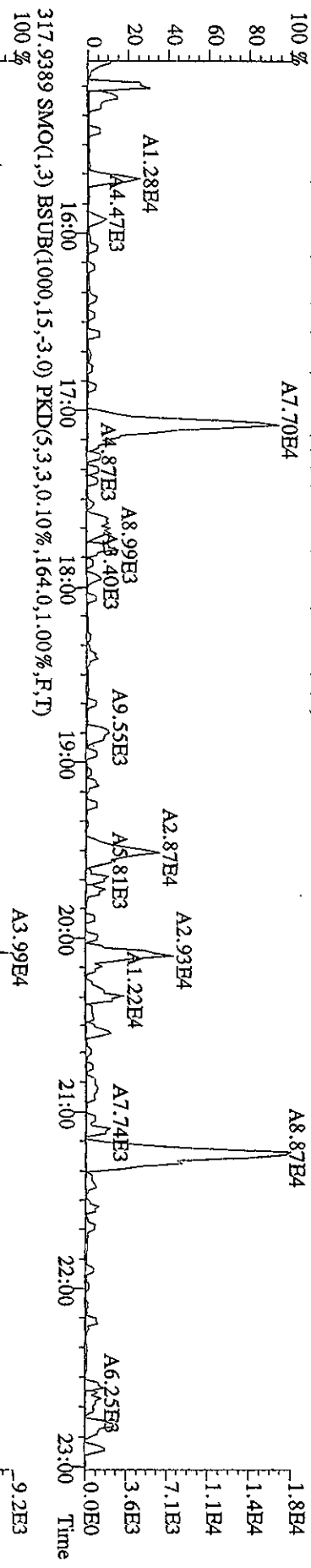
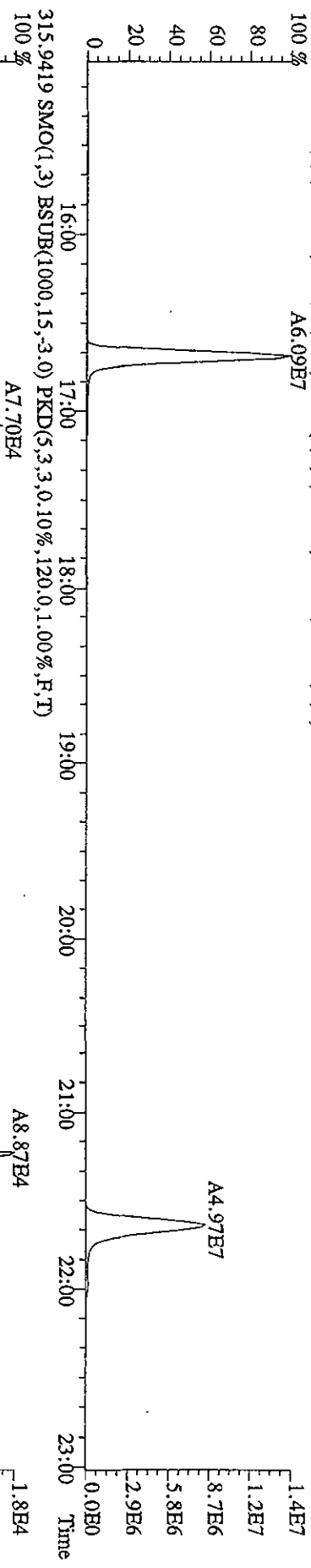
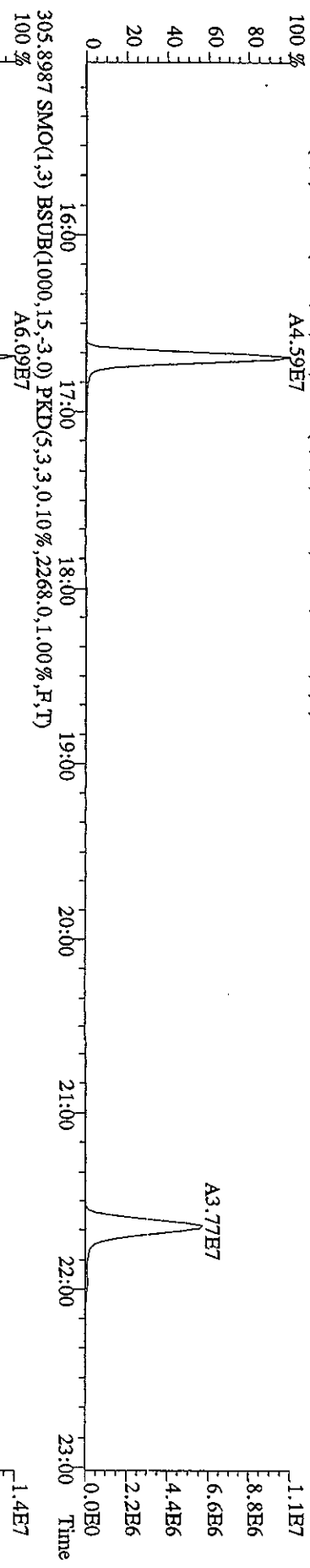
File:120C104D5 #1-201 Acq:12-OCT-2010 10:27:23 GC HI + Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINRES
 430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



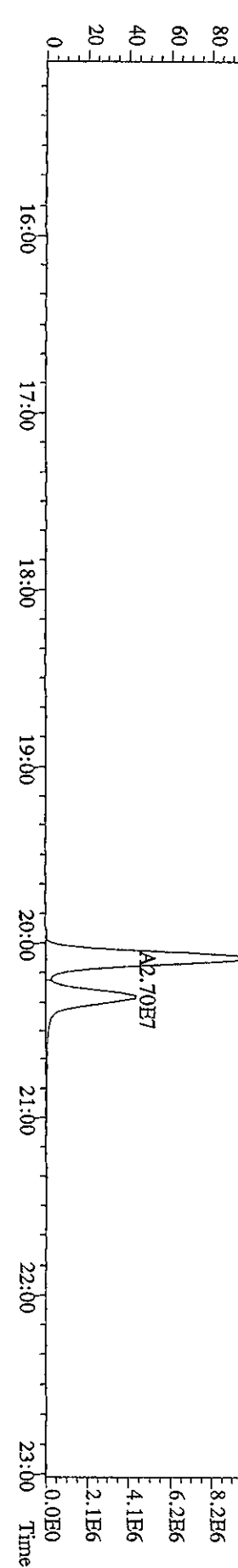
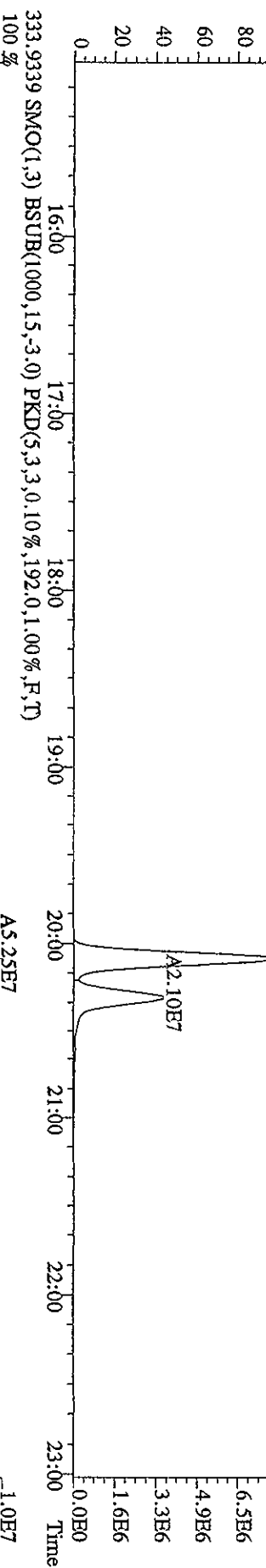
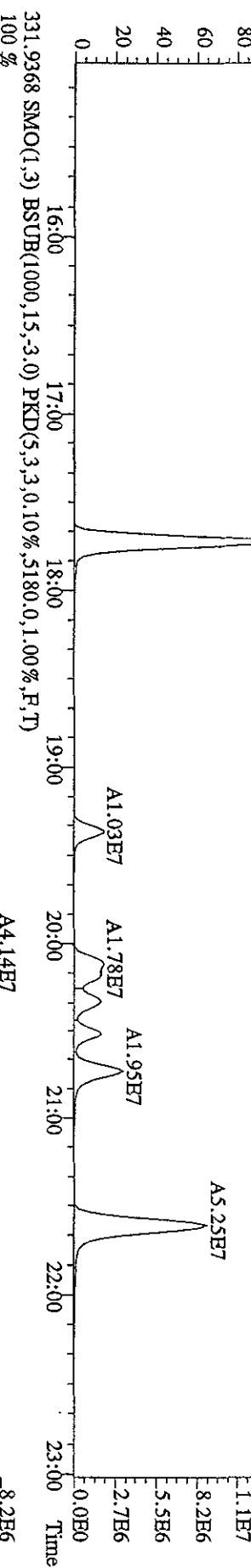
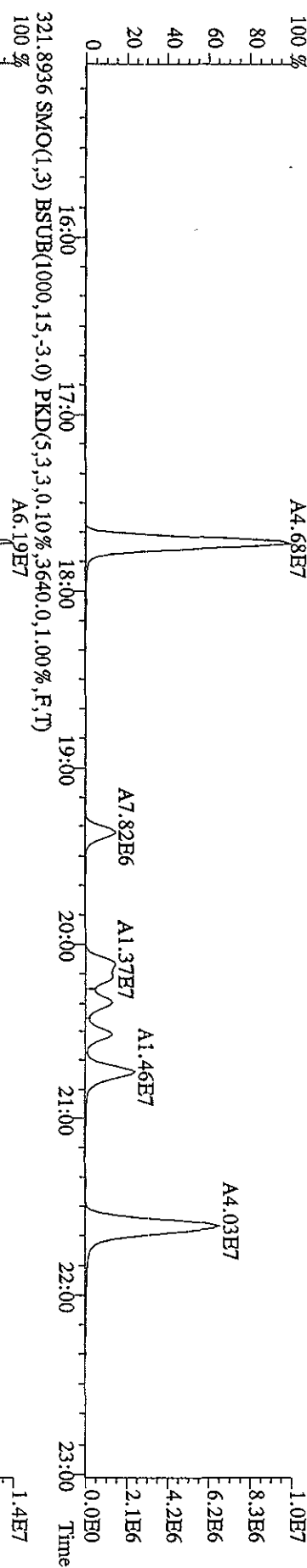
File:12OC104D5 #1-192 Acq:12-OCT-2010 10:27:23 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:ST1012 :CS3 10DXN461 Exp:DIOXINRES
 454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



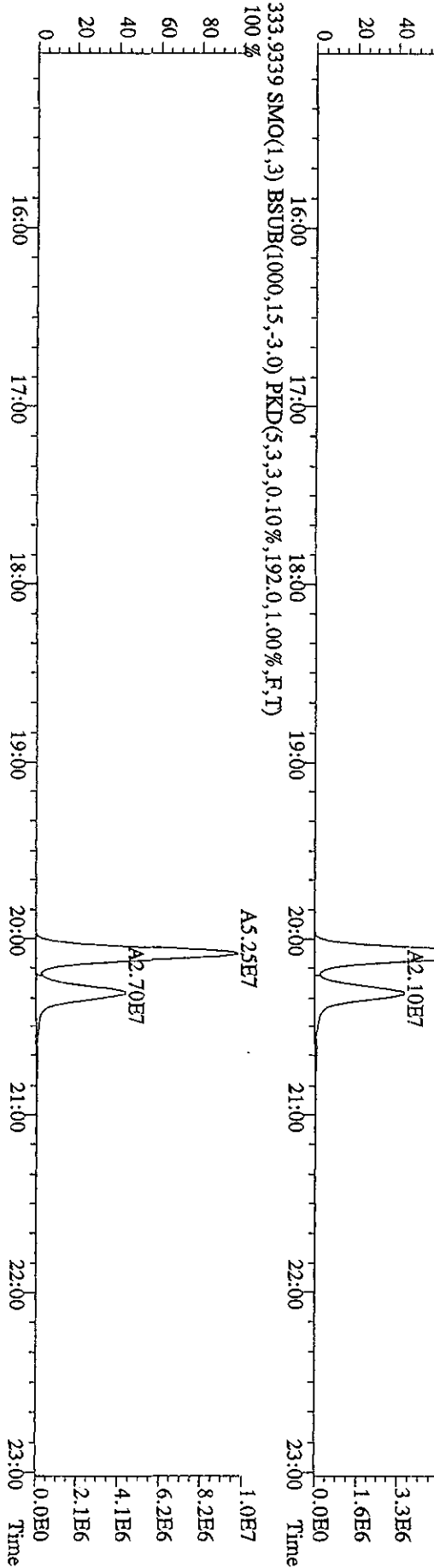
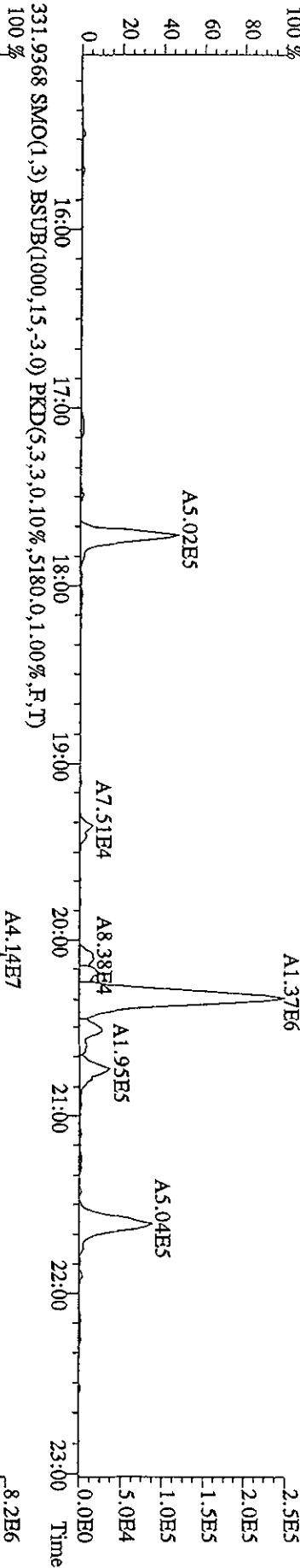
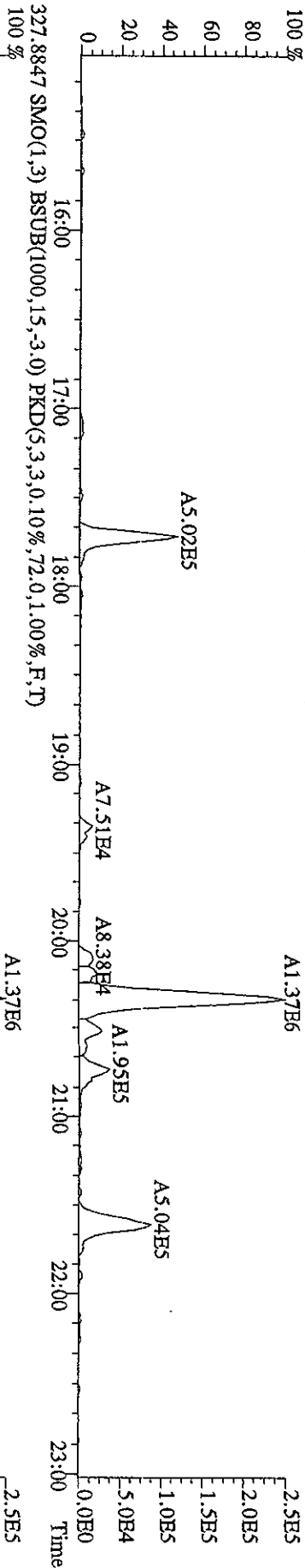
File:12OC104D5 #1-530 Acq:12-OCT-2010 09:42:52 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Tex:CP1012 :DB-5 CP5M 3732-09 Exp:DIOXINRES
 303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,828,0.1,00%,F,T)
 100% A4.59E7



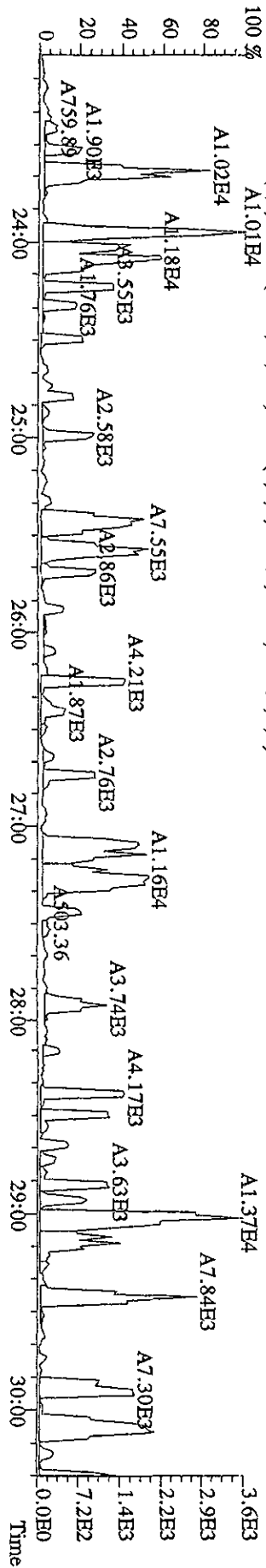
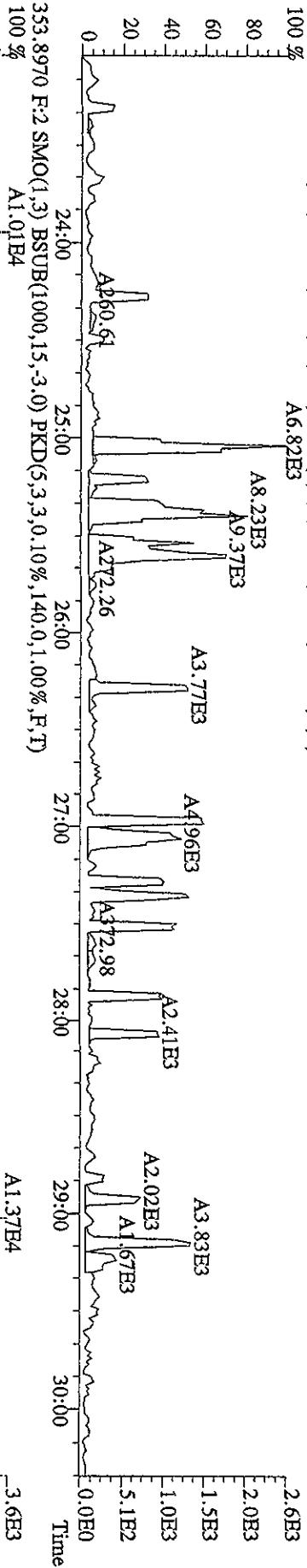
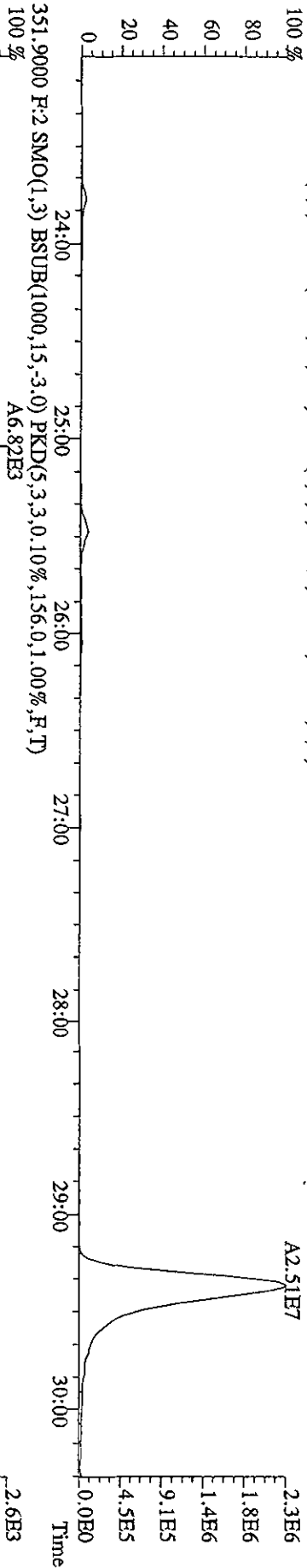
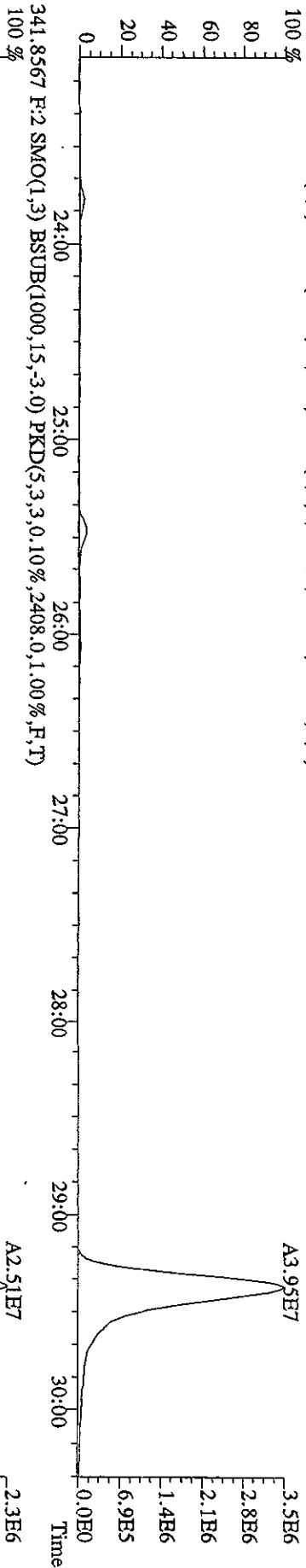
File: 12OC104D5 #1-530 Acq: 12-OCT-2010 09:42:52 GC EI+ Voltage SIR Autospec-UtimaE
 Sample#1 Text: CP1012 :DB-5 CP5M 3732-09 Exp: DIOXINRES
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2548.0,1.00%,F,T) A4.68E7
 100%



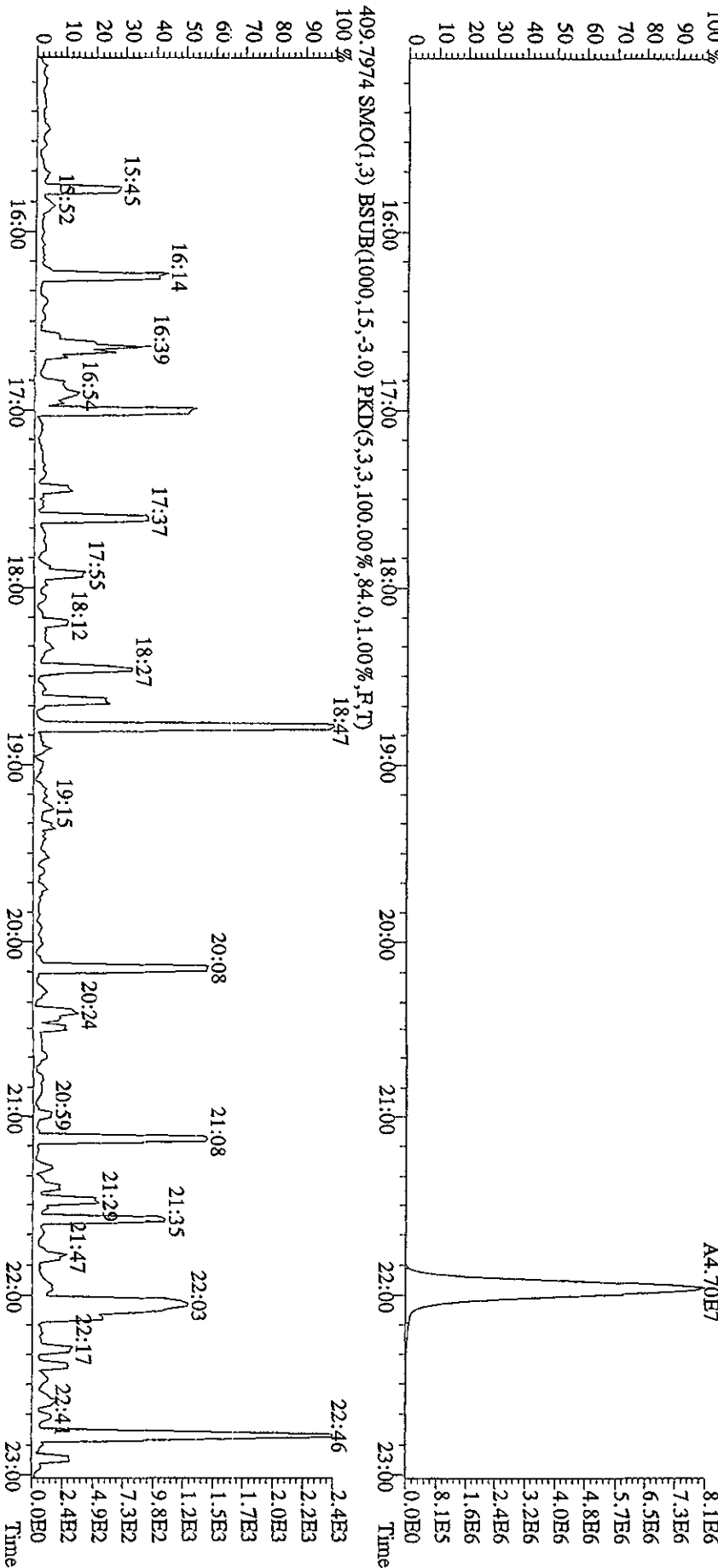
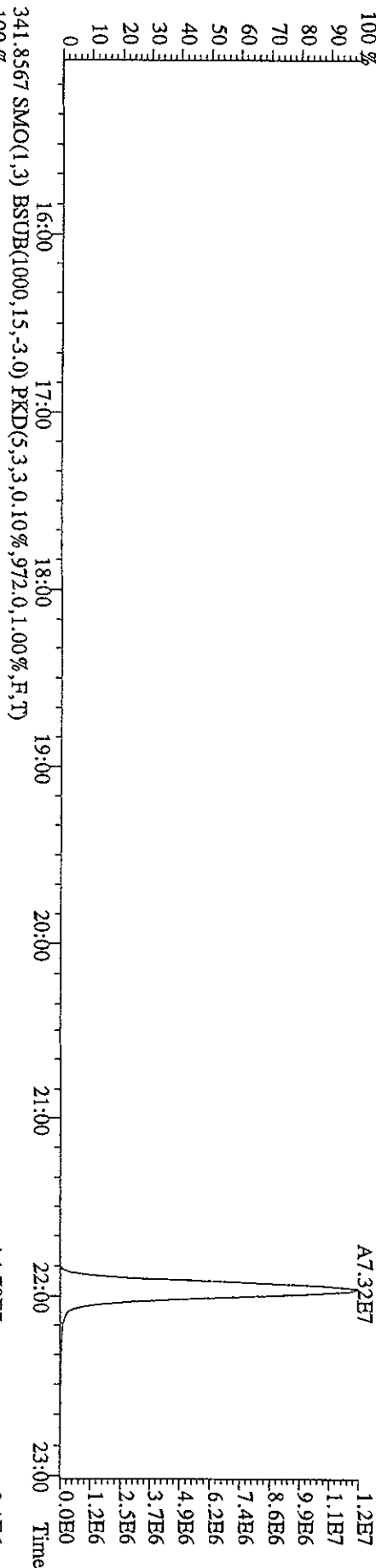
File: 120C104D5 #1-530 Acq: 12-OCT-2010 09:42:52 GC EI + Voltage SIR Autospec-UltimaB
 Sample#1 Text: CP1012 :DB-5 CPISM 3732-09 Exp: DIOXINRES
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)



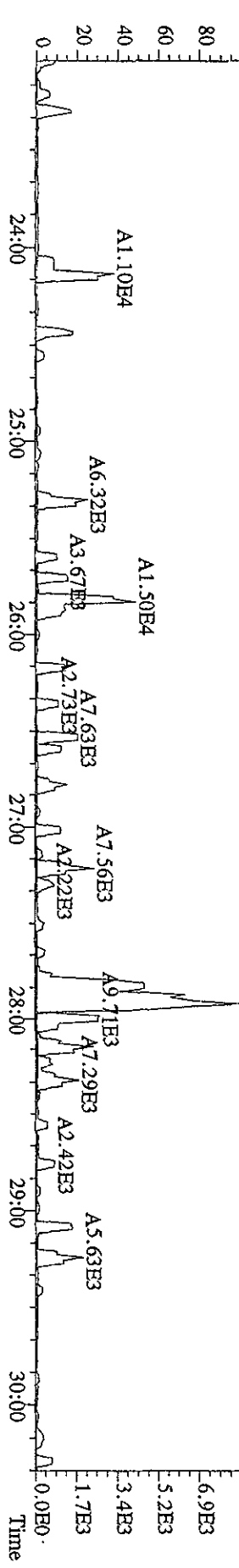
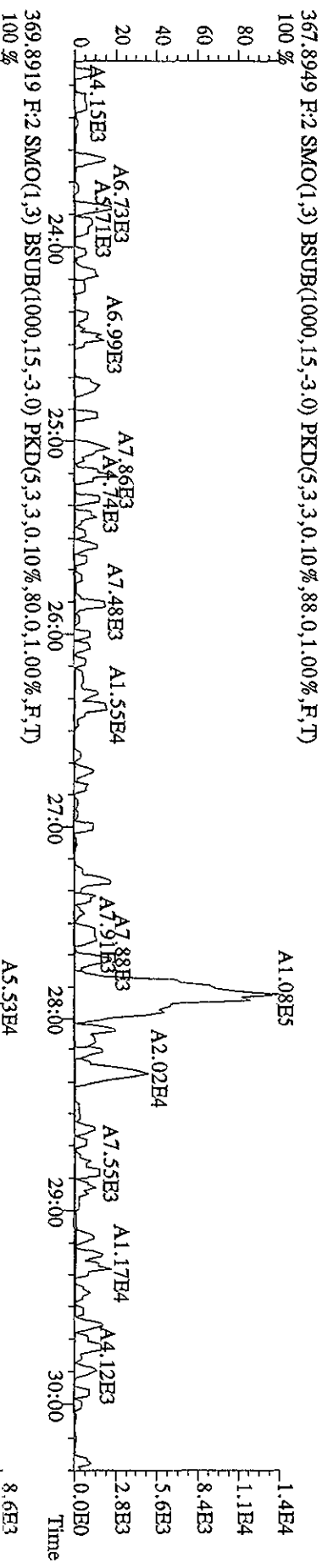
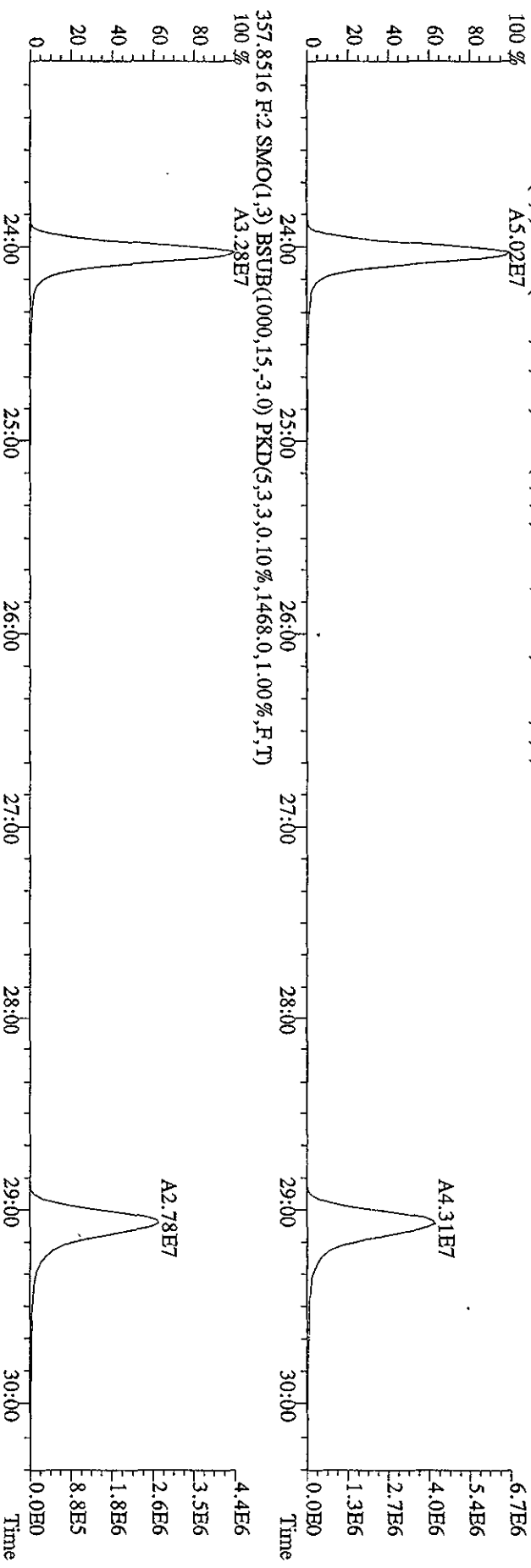
File:120C104D5 #1-469 Acq:12-OCT-2010 09:42:52 GC EI+ Voltage S1R Autospec-UltimaB
 Sample#1 Text:CP1012 :DB-5 CPM 3732-09 Exp:DIOXINRES
 339.8597 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2664.0,1.00%,F,T)
 100%



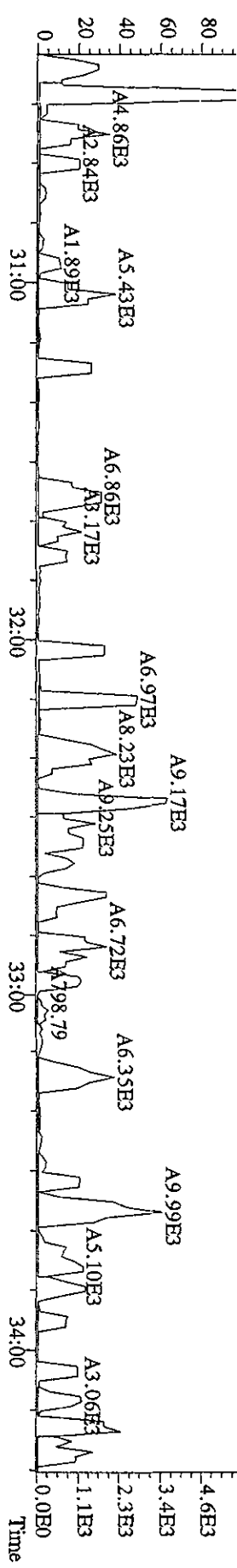
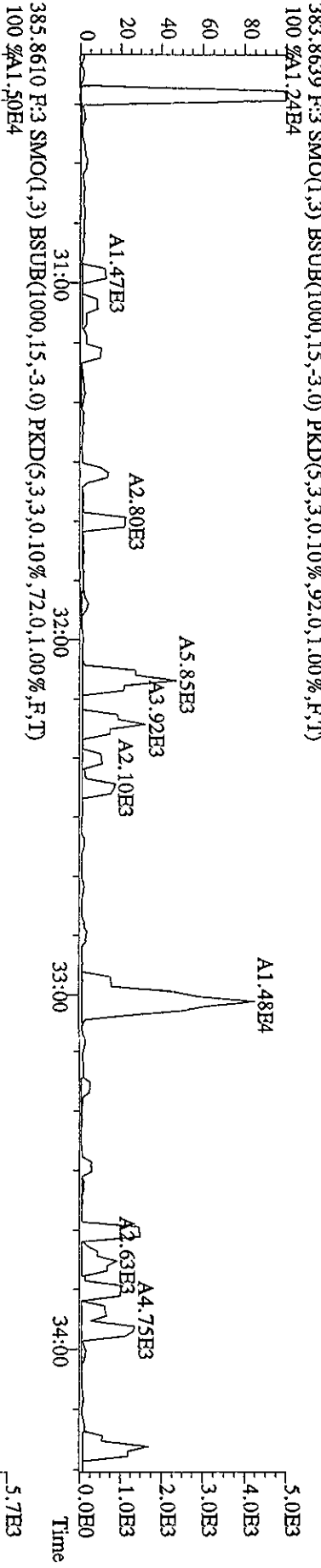
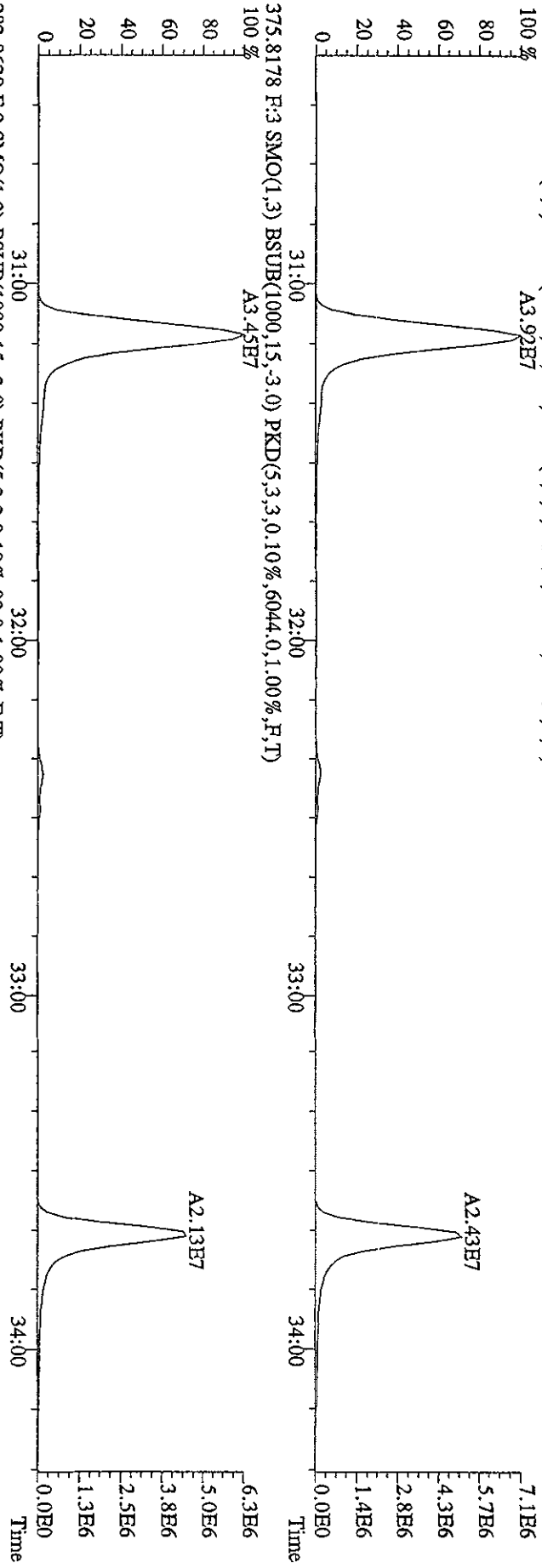
File: 120C104D5 #1-530 Acq: 12-OCT-2010 09:42:52 GC EI+ Voltage S1R Autospec-UltimaB
 Sample#1 Text: CP1012 :DB-5 CP5M 3732-09 Exp: DIOXINRES
 339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88.0,1.00%,F,T)



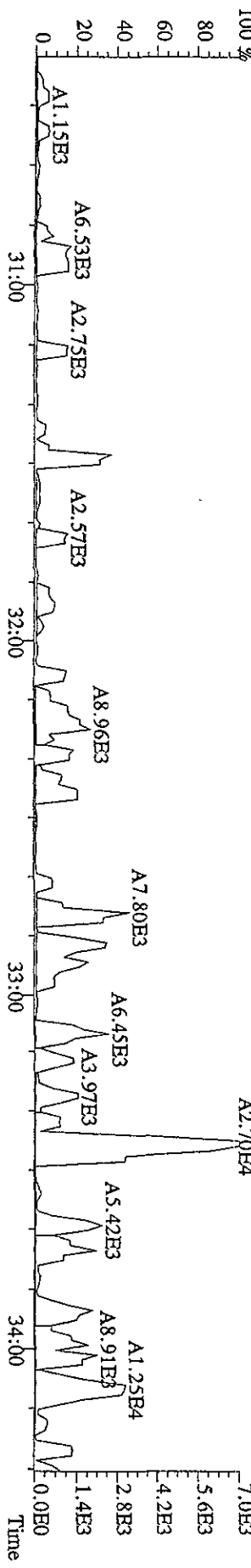
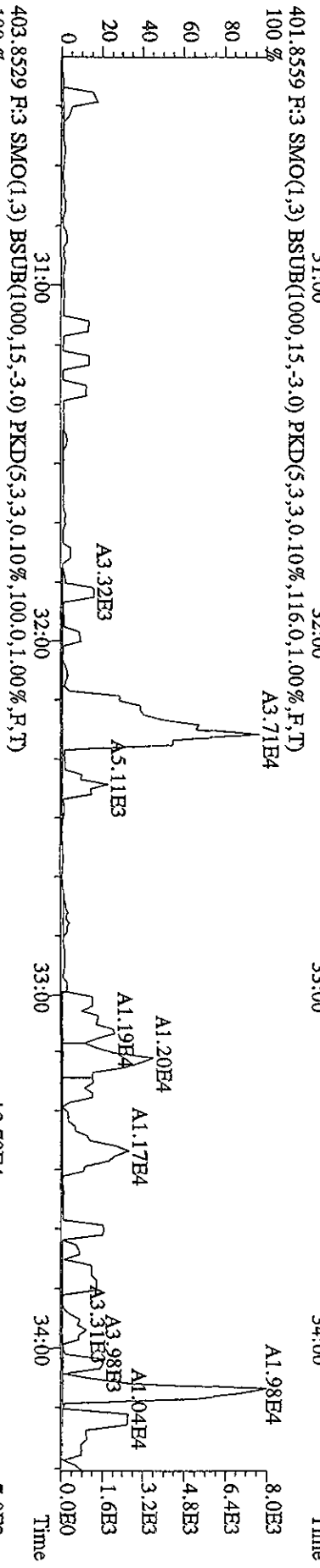
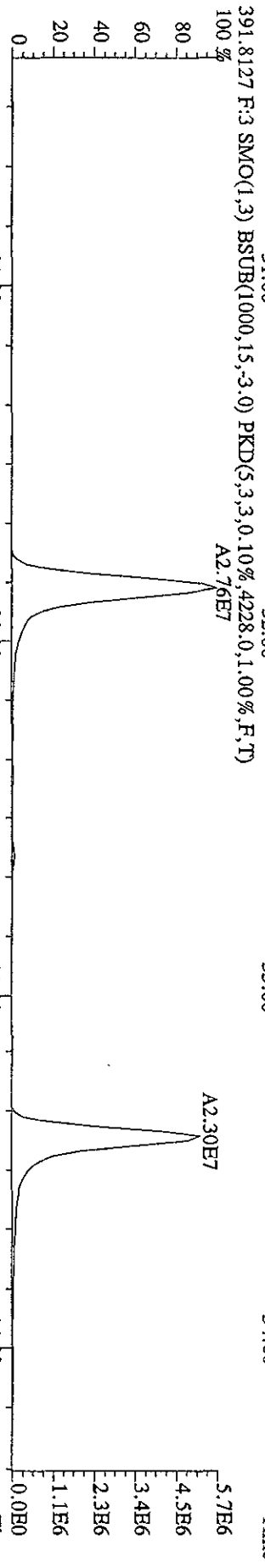
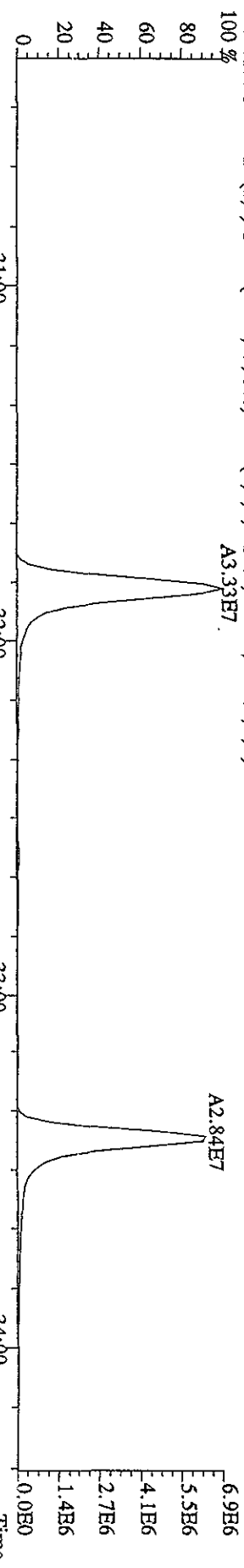
File:120C104D5 #1-469 Acq:12-OCT-2010 09:42:52 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CF1012 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 357.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3480,0,1,00%,F,T)
 100% A5.02E7



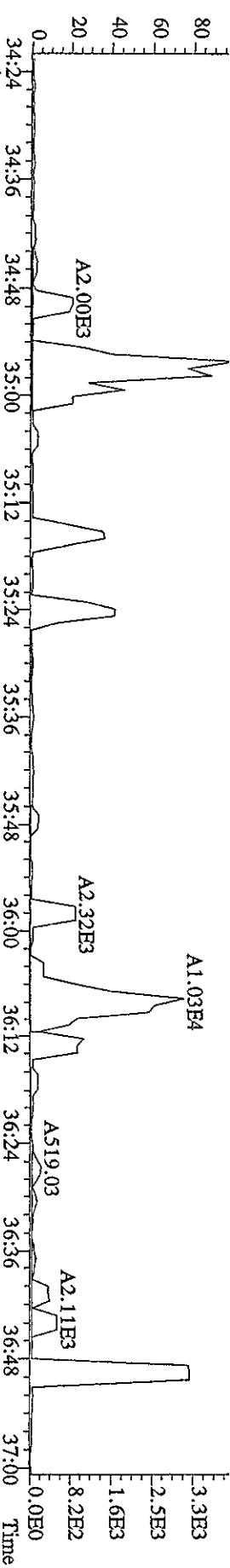
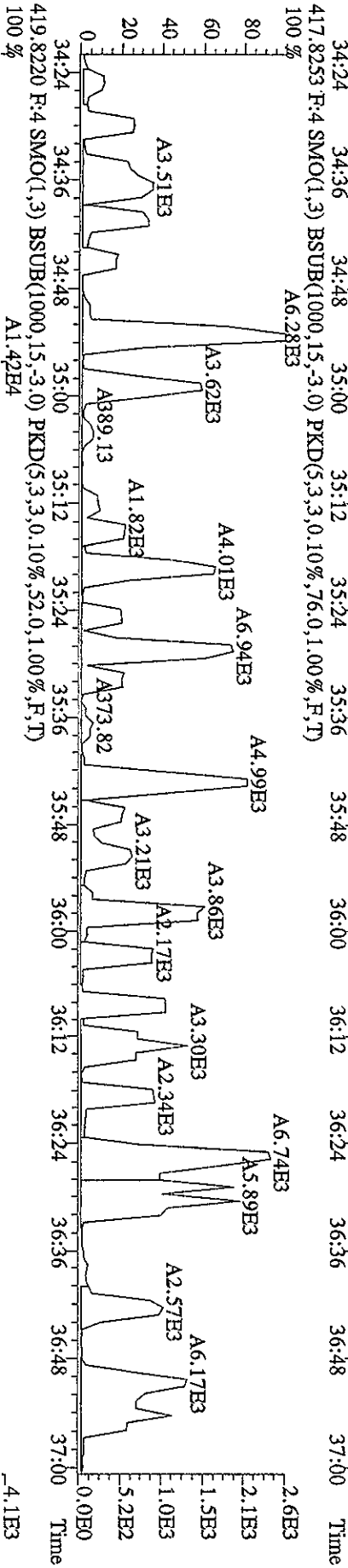
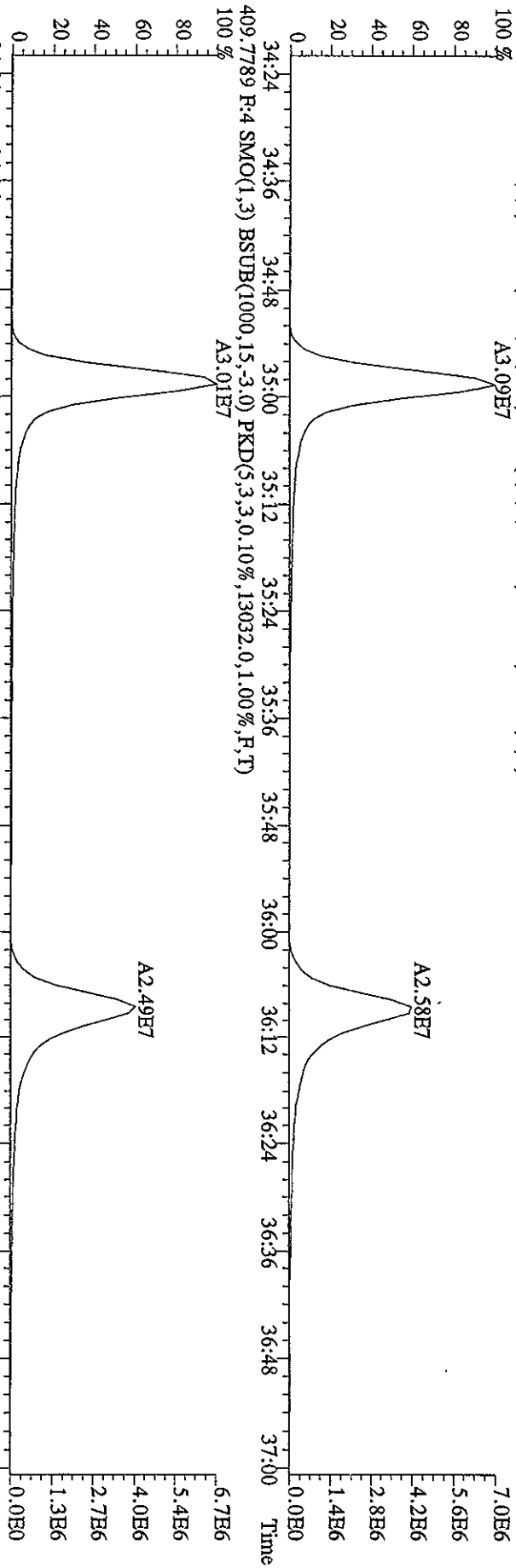
File: 12OC104D5 #1-287 Acq: 12-OCT-2010 09:42:52 GC HF+ Voltage SFR Autospec-Ultimate
 Sample#1 Text: CP1012 :DB-5 CPM 3732.09 Exp: DIOXINRES
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1404,0.1,0.00%,F,T)
 100% A3.92E7



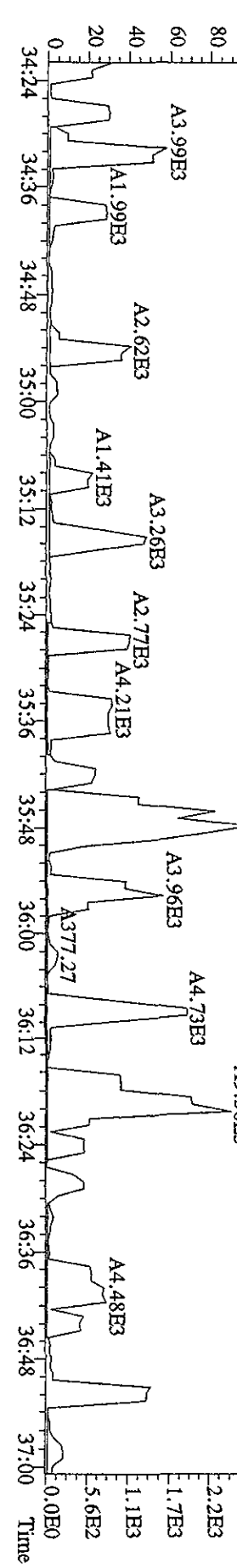
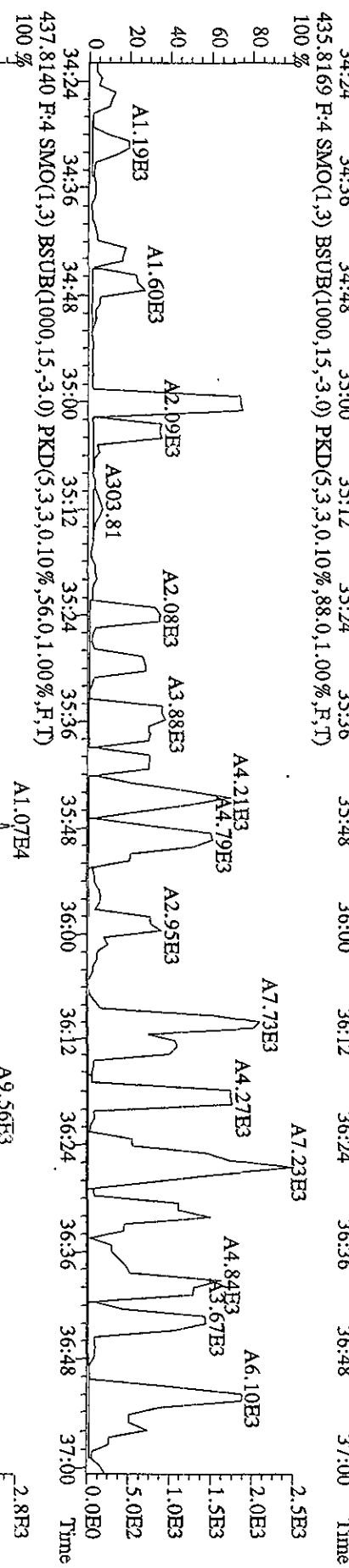
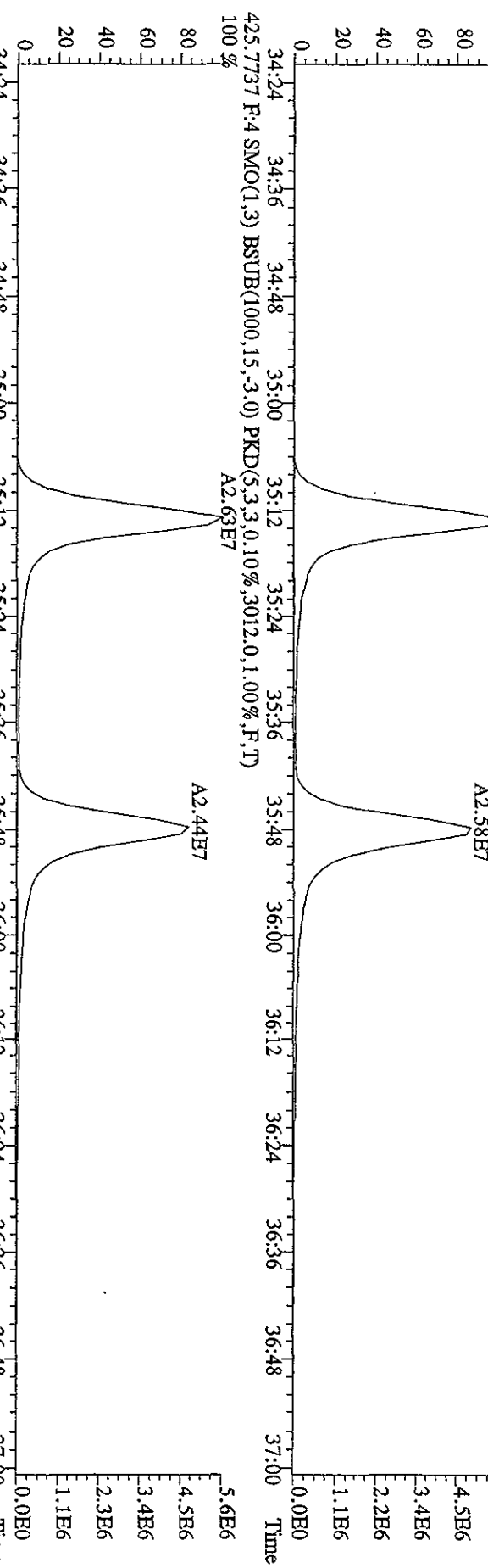
File:12OC104D5 #1-287 Acq:12-OCT-2010 09:42:52 GC BF+ Voltage SIR Autospec-UltimaE
 Sample#1 Text:CP1012 :DB-5 CPSM 5752-09 Exp:DIOXINRES
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.700,0.1,0.0%,F,T)
 100%



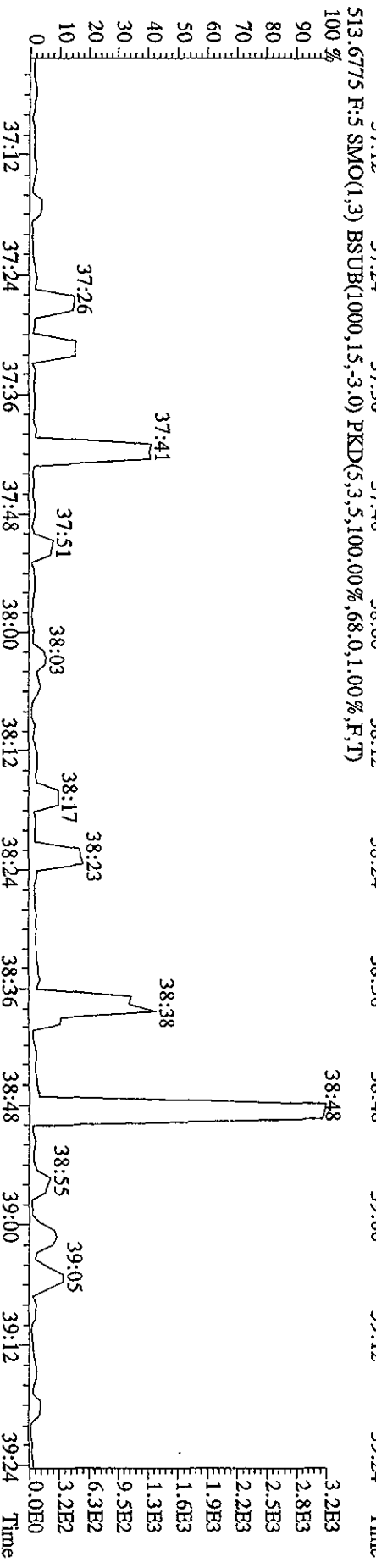
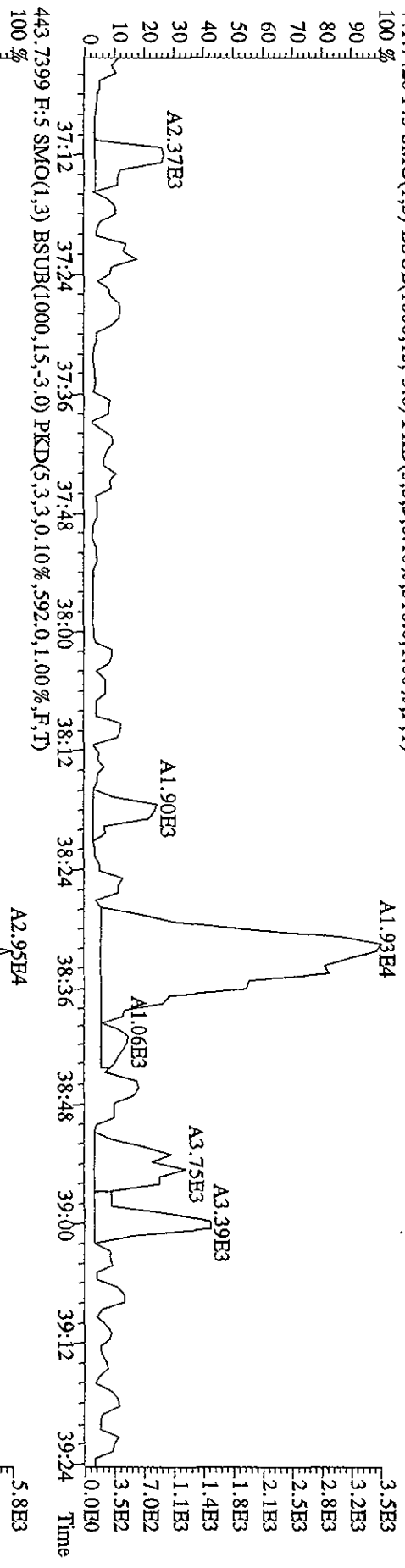
File:120C104D5 #1-201 Acq:12-OCT-2010 09:42:52 GC HI + Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP1012 :DB-5 CP5M 3732-09 Exp:DIOXINRES
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11868.0,1.00%,F,T) 100%



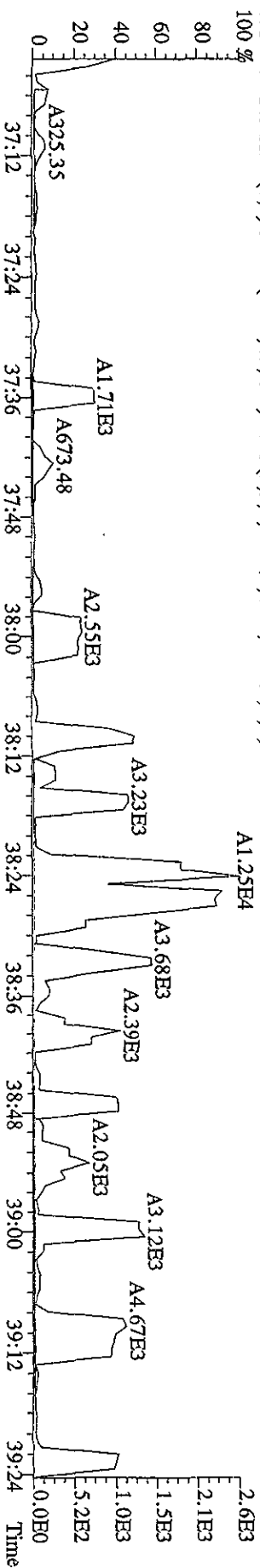
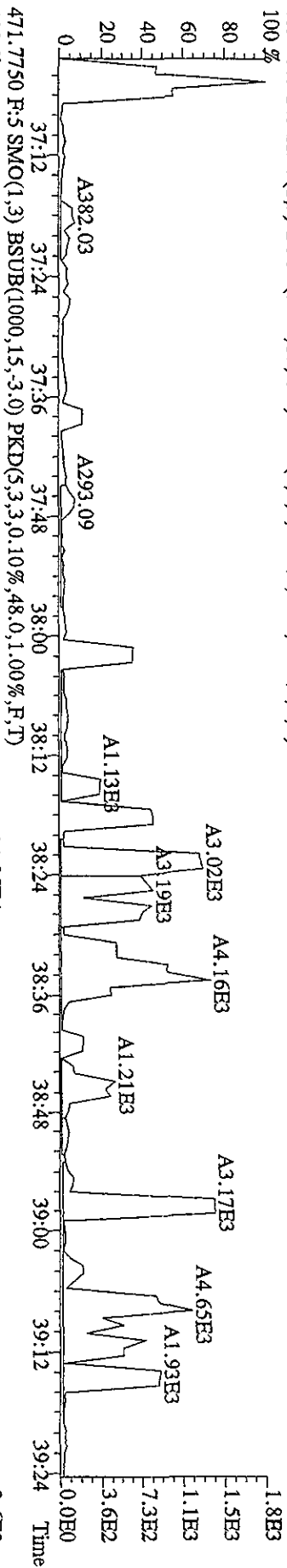
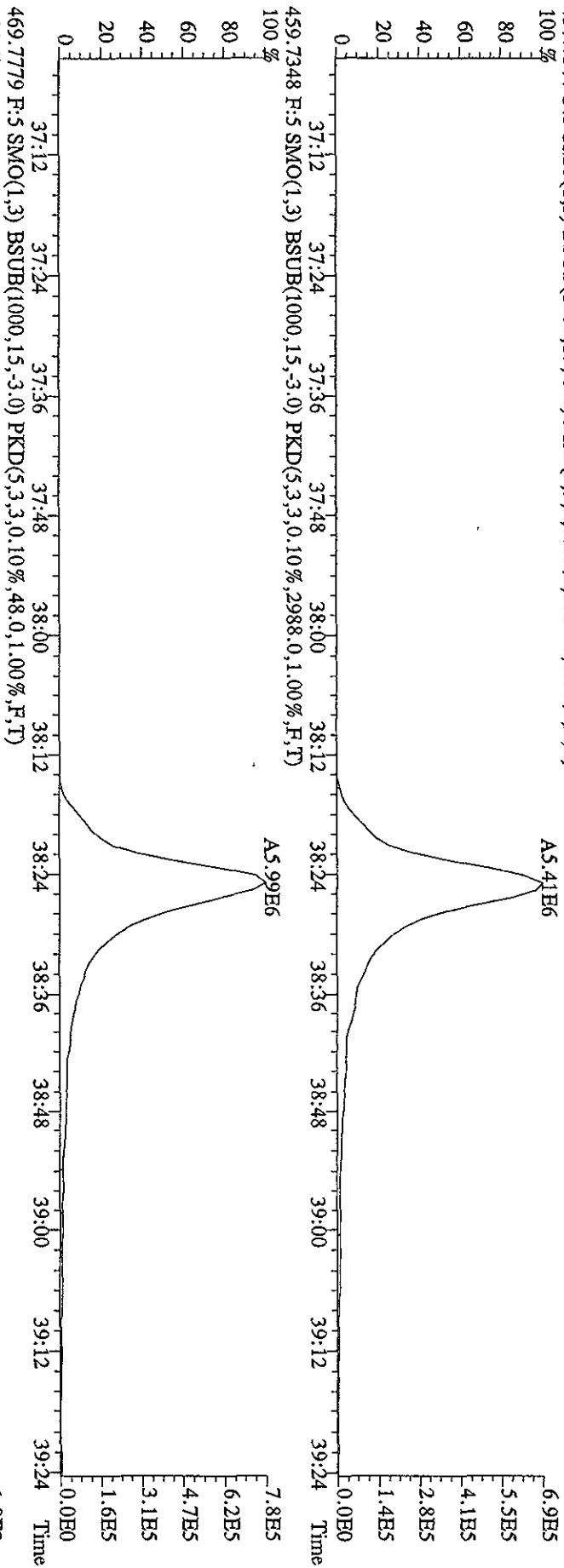
File: 120C104D5 #1-201 Acq: 12-OCT-2010 09:42:52 GC EI+ Voltage S1R Autospec-UltimaE
 Sample#1 Text: CP1012 :DB-5 CP5M 3732-09 Exp: DIOXINRES
 423.7737 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3404,0.1,00%,F,T)
 100%



File: 12OCT104D5 #1-192 Acq: 12-OCT-2010 09:42:52 GC HI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text: CP1012 :DB-5 CPSM 3732-09 Exp: DIOXINES
 441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,316.0,1.00%,F,T)

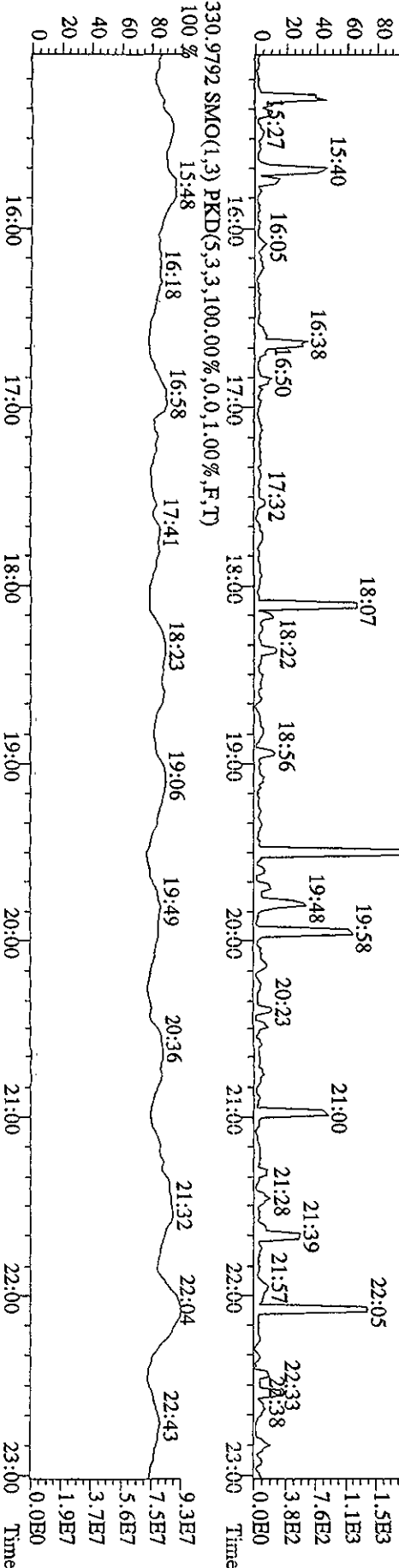
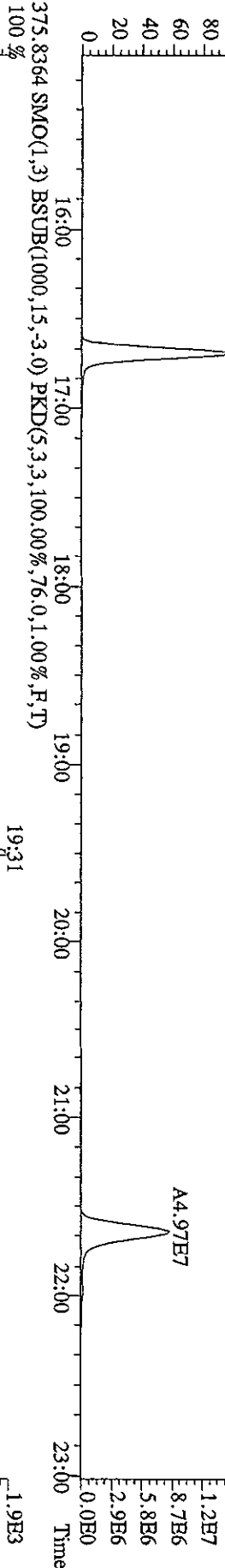
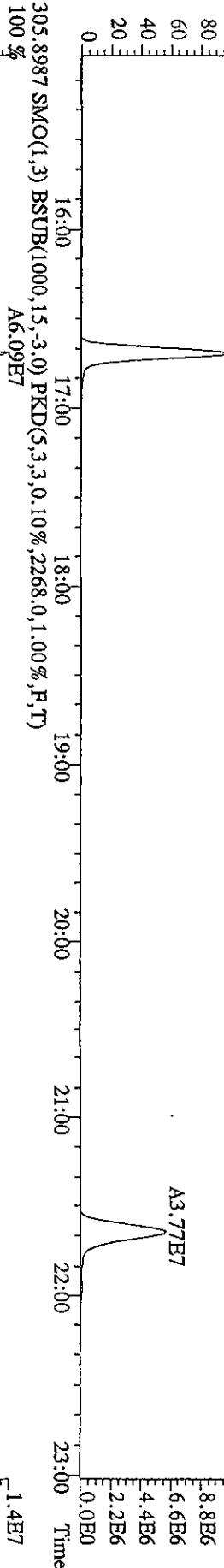
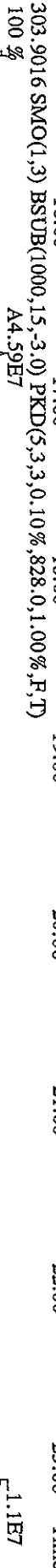
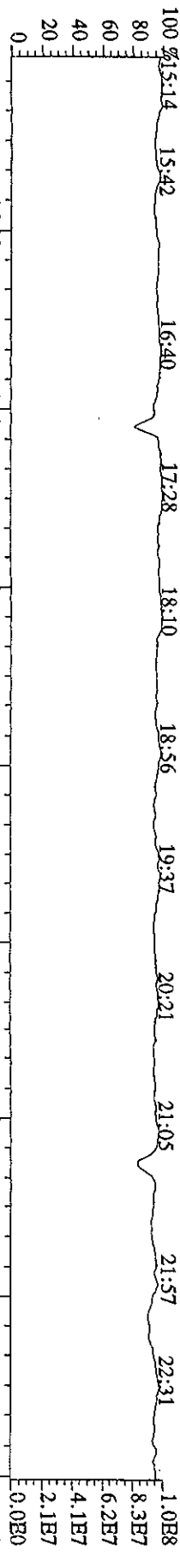


File:12OC104D5 #1-192 Acq:12-OCT-2010 09:42:52 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP1012 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2520.0,1.00%,F,T)



File:120C104D5 #1-530 Acq:12-OCT-2010 09:42:52 GC EI+ Voltage SIR Autospec-UltimaB

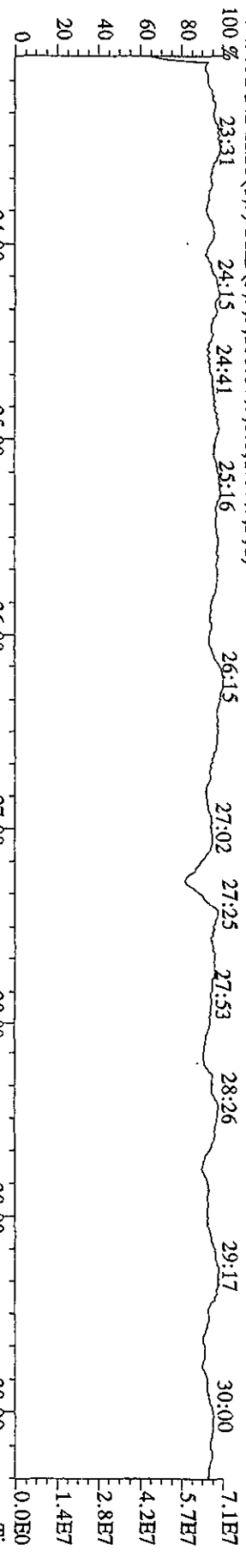
Sample#1 Text:CP1012 :DB-5 CPSEM 3732-09 Exp:DIOXINRES



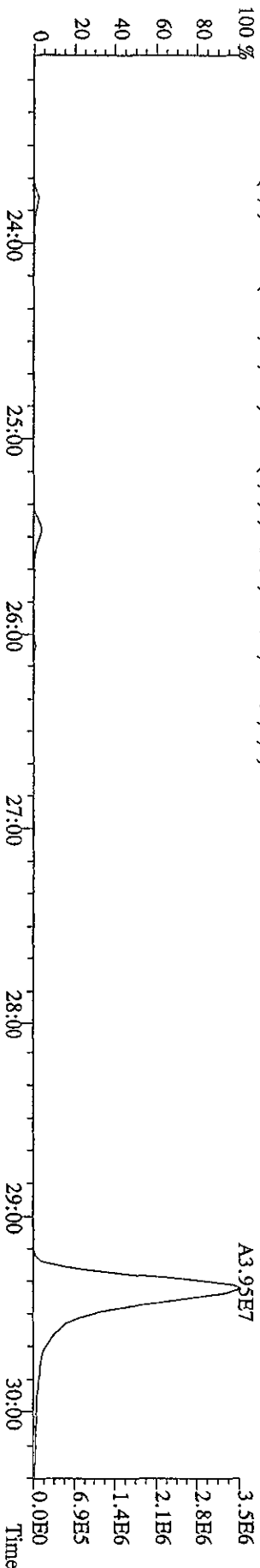
File: 12OC104D5 #1-469 Acq: 12-OCT-2010 09:42:52 GC EI+ Voltage SIR Autospec-UltimaB

Sample#1 Text: CP1012 :DB-5 CP5M 3732-09 Exp: DIOXINRES

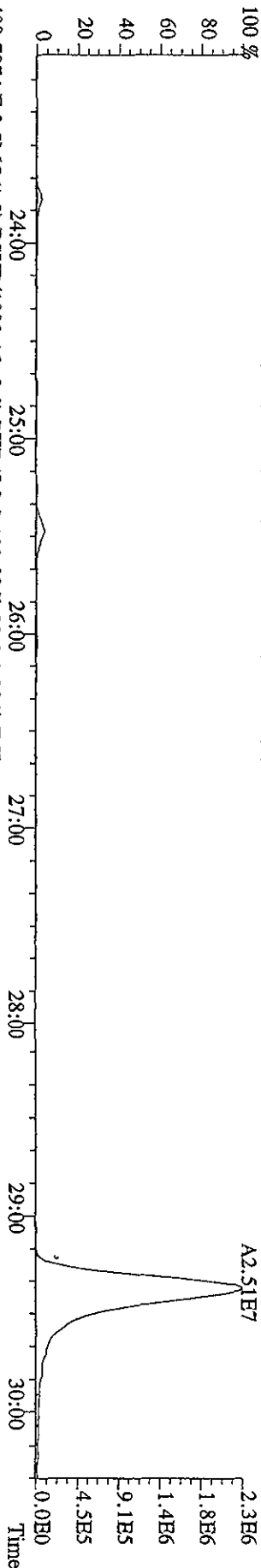
342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



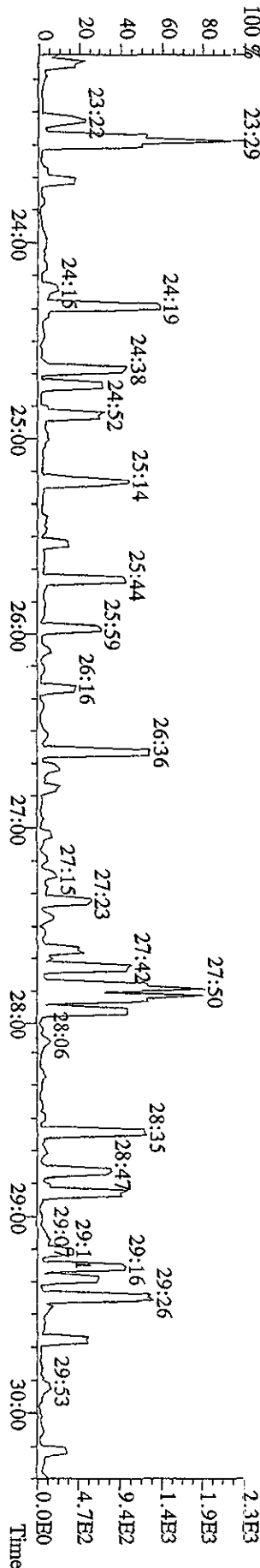
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2664.0,1.00%,F,T)



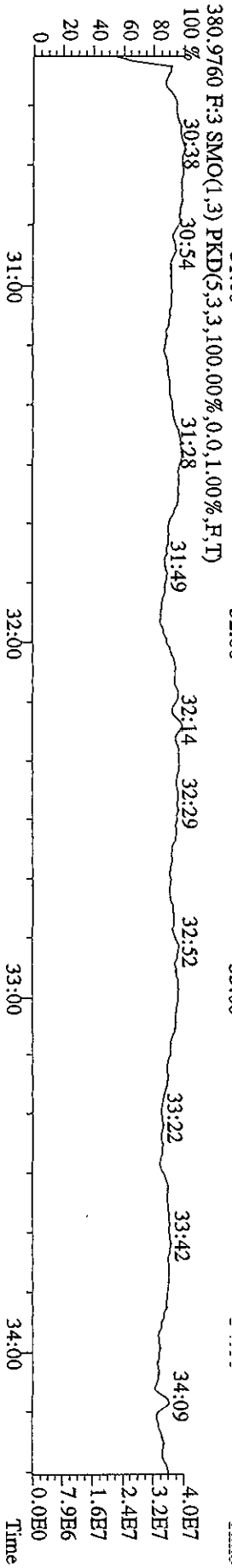
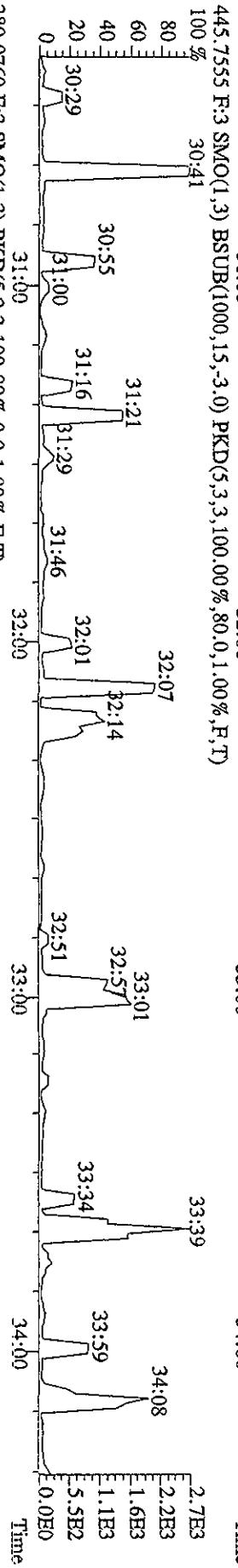
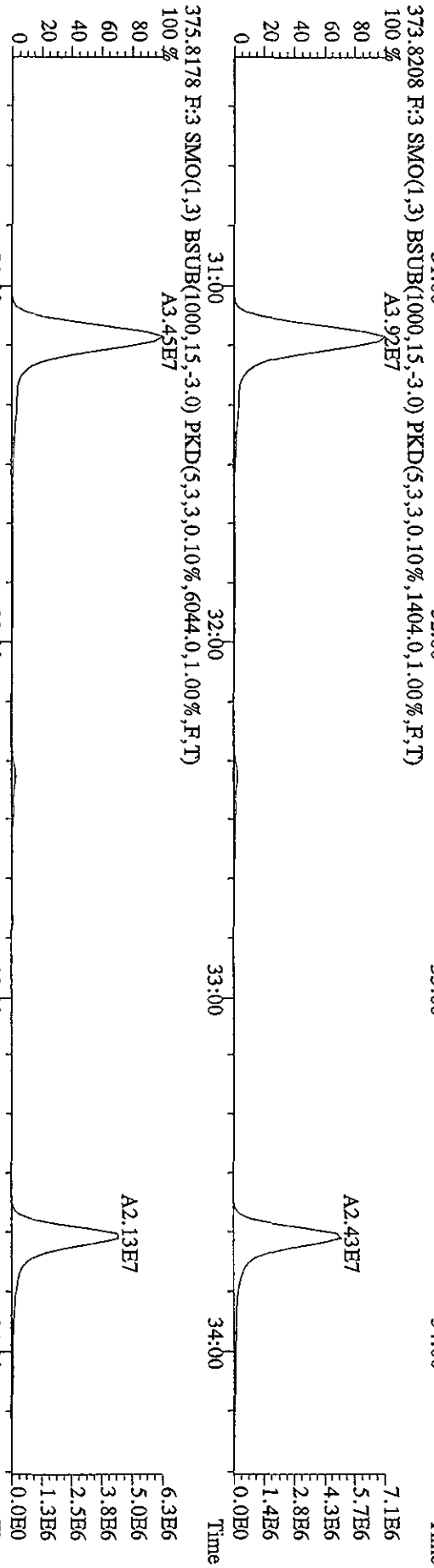
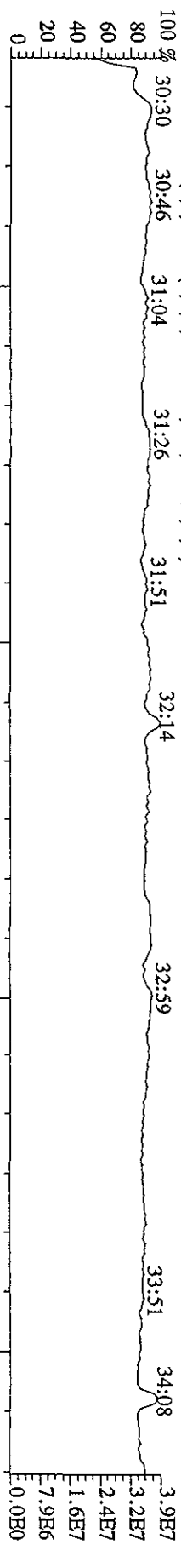
341.8567 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2408.0,1.00%,F,T)



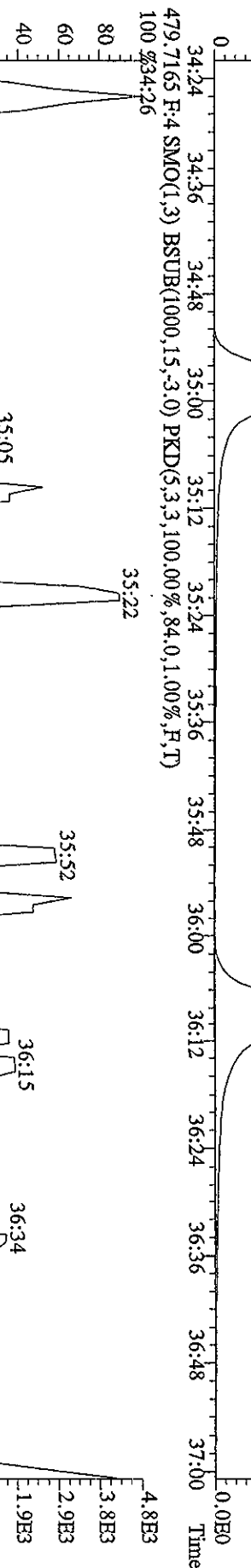
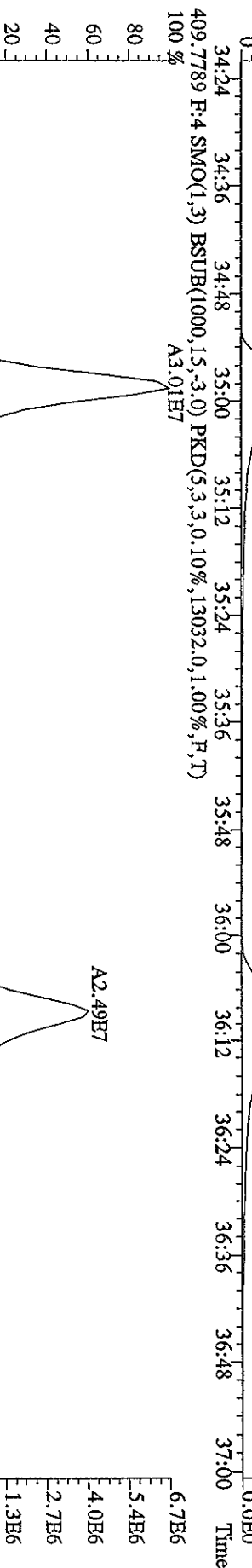
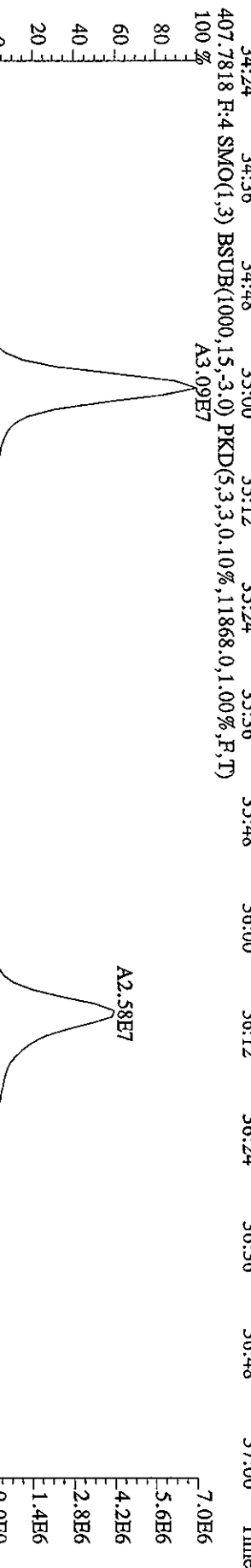
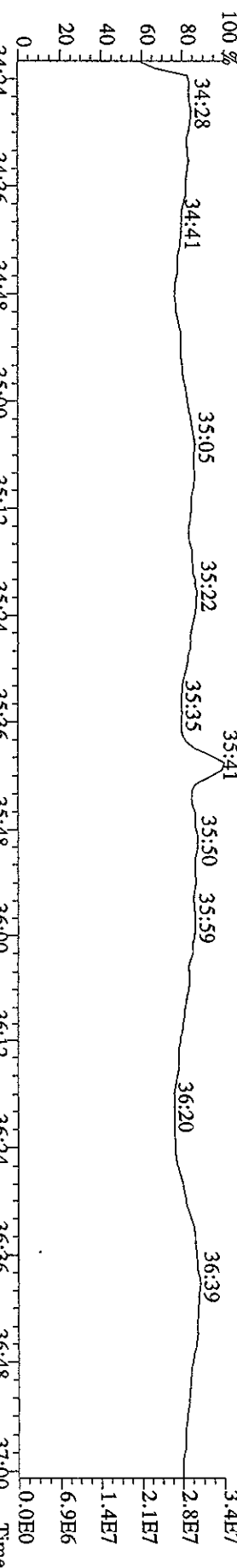
409.7974 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,80.0,1.00%,F,T)



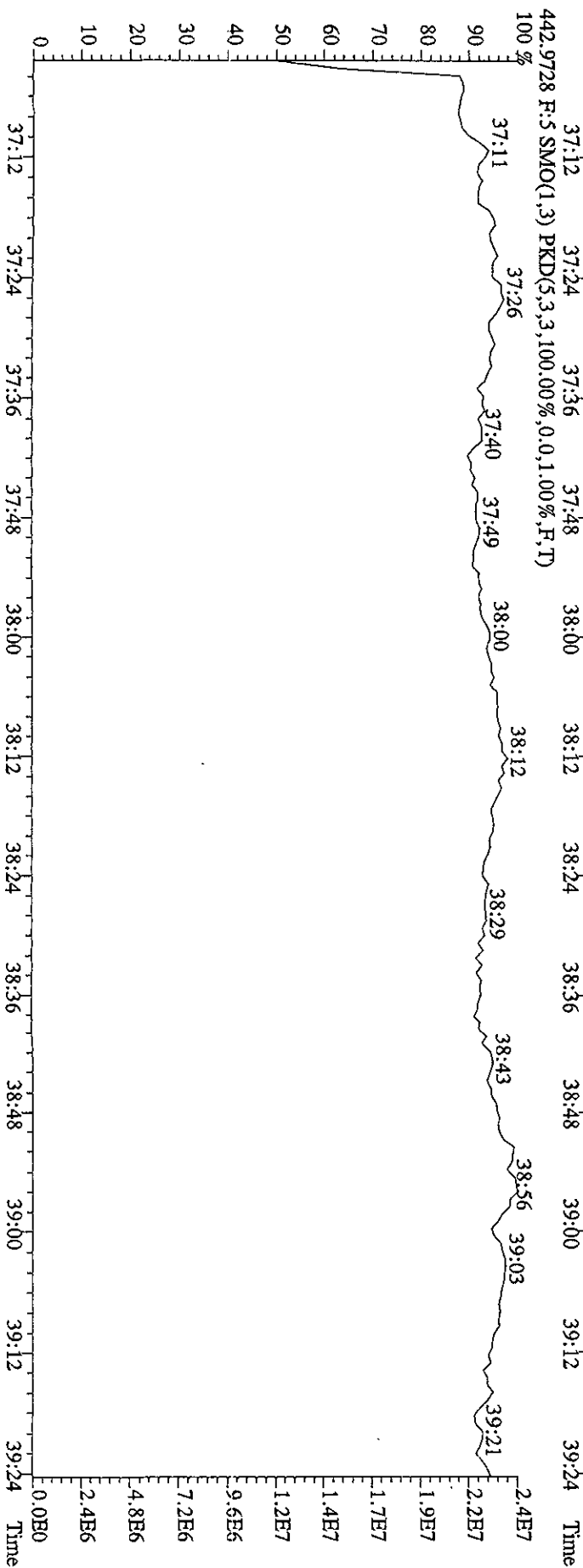
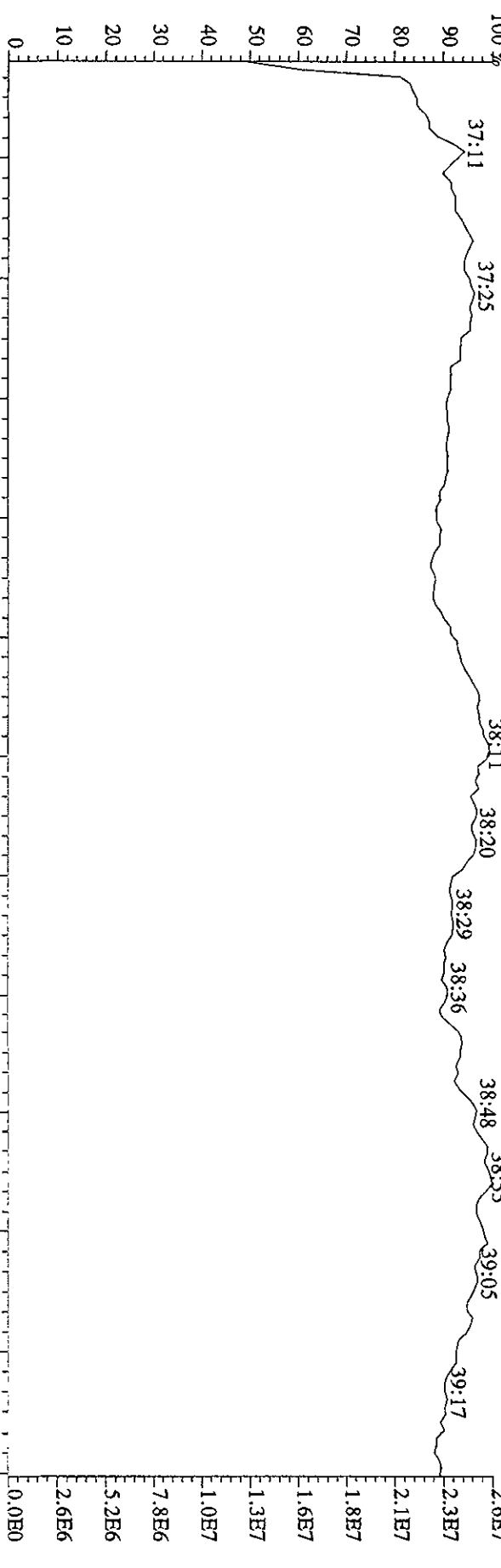
File:120C104D5 #1-287 Acq:12-OCT-2010 09:42:52 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP1012 :DB-5 CPM 3732-09 Exp:DIOXINES



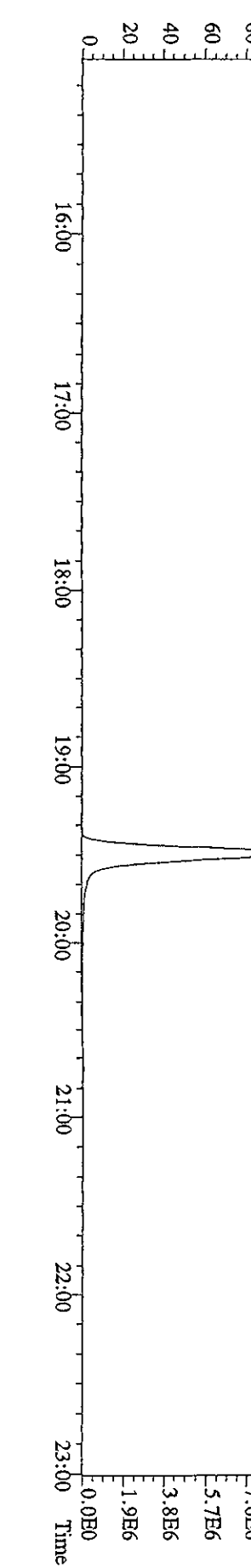
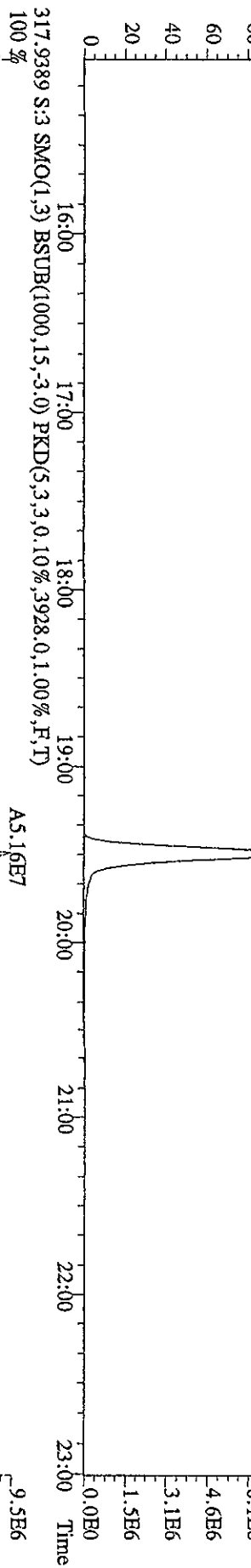
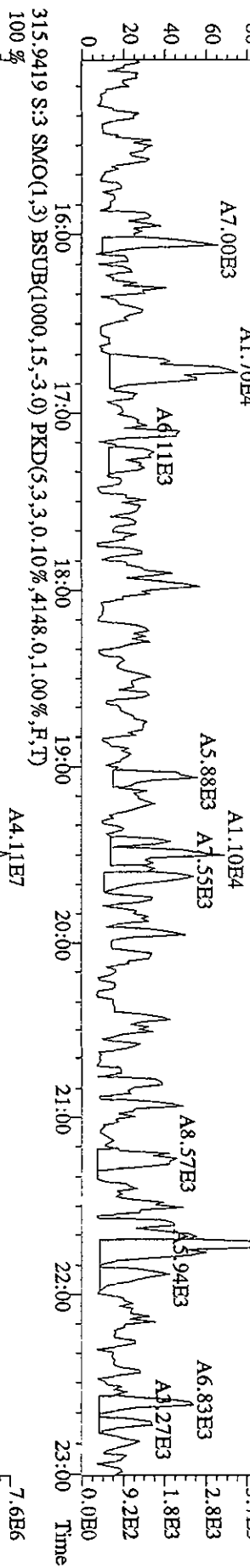
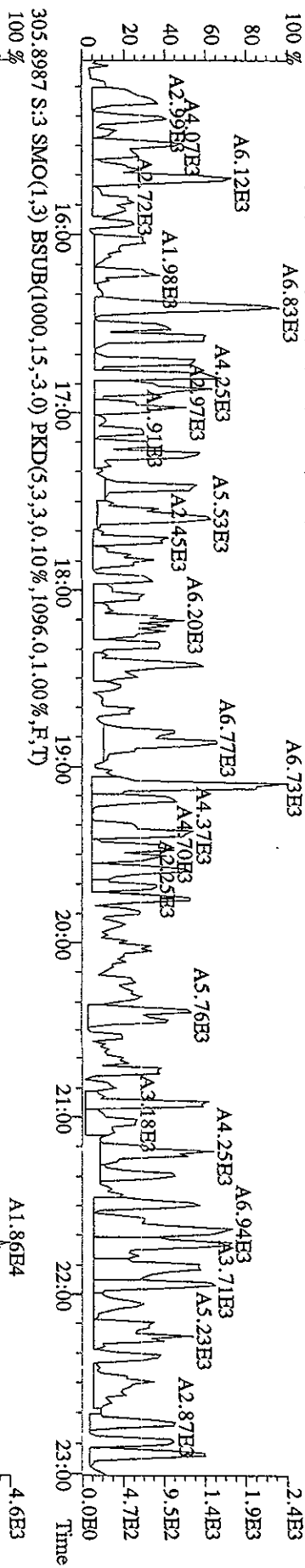
File: 120C104D5 #1-201 Acq:12-OCT-2010 09:42:52 GC: EI+ Voltage: SIR Autospec-UltimaB
 Sample#1 Text: CP1012 :DB-5 C/PSM 3732-09 Exp: DIOXINRES
 430.9728 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%



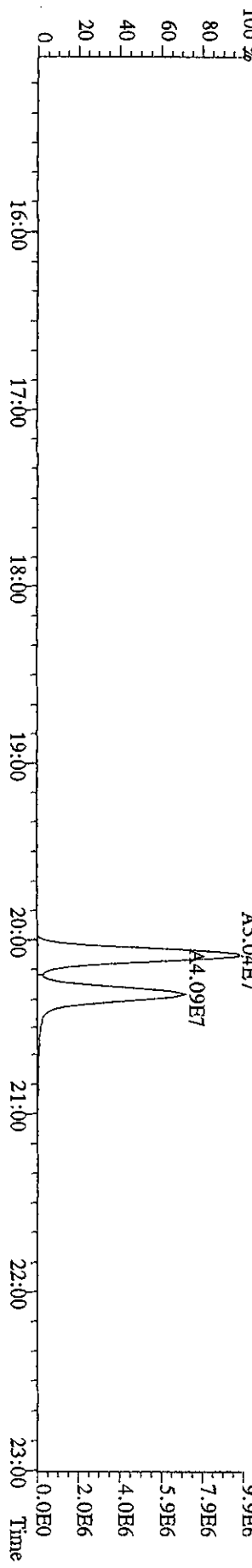
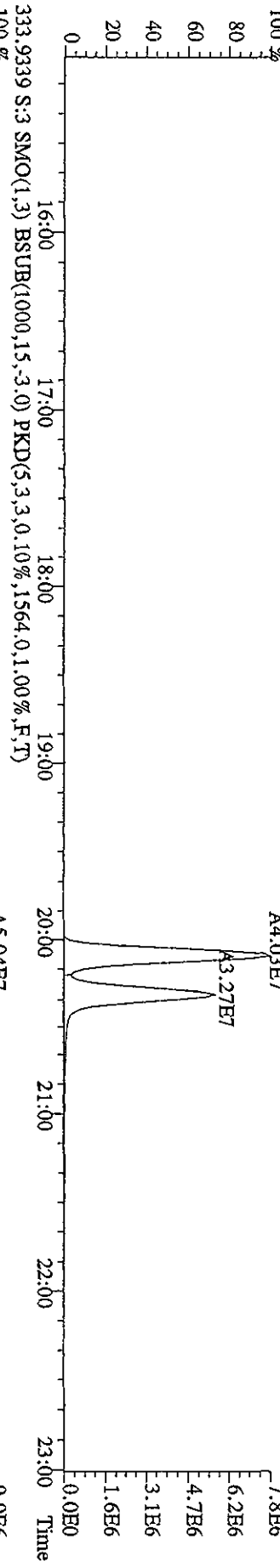
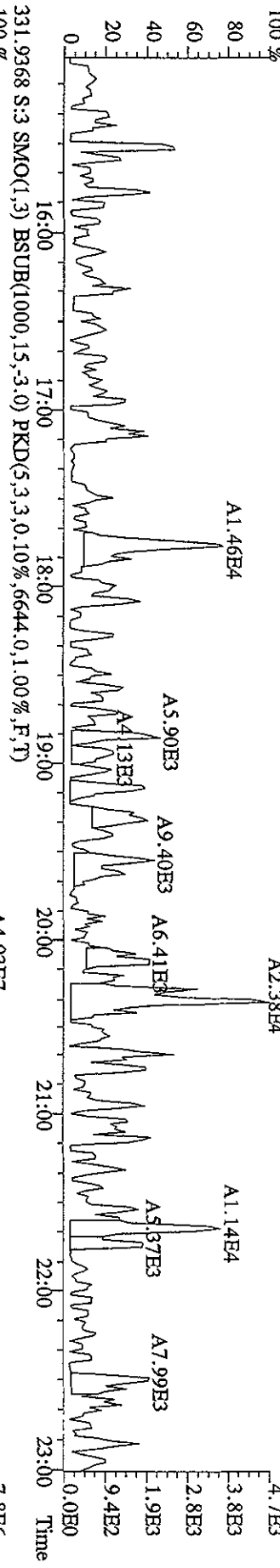
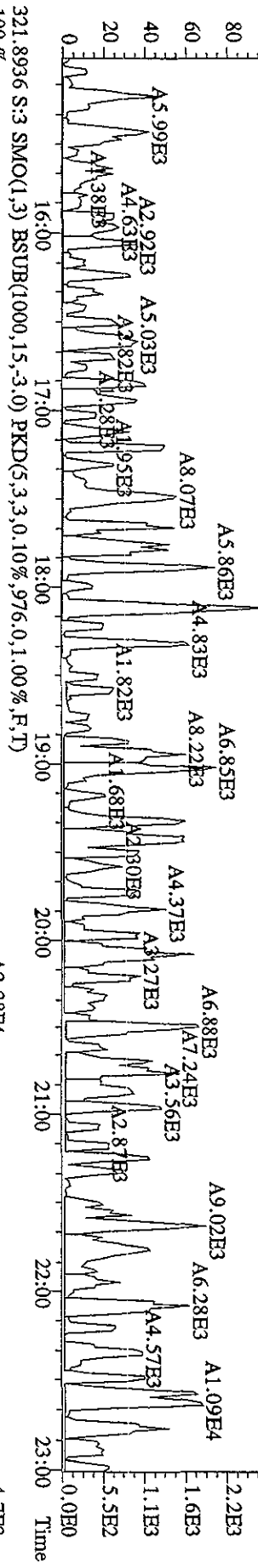
File:120C104D5 #1-192 Acq:12-OCT-2010 09:42:52 GC EI + Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP1012 :DB-5 CPSM 3732-09 Exp:DIOXINRES
 454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



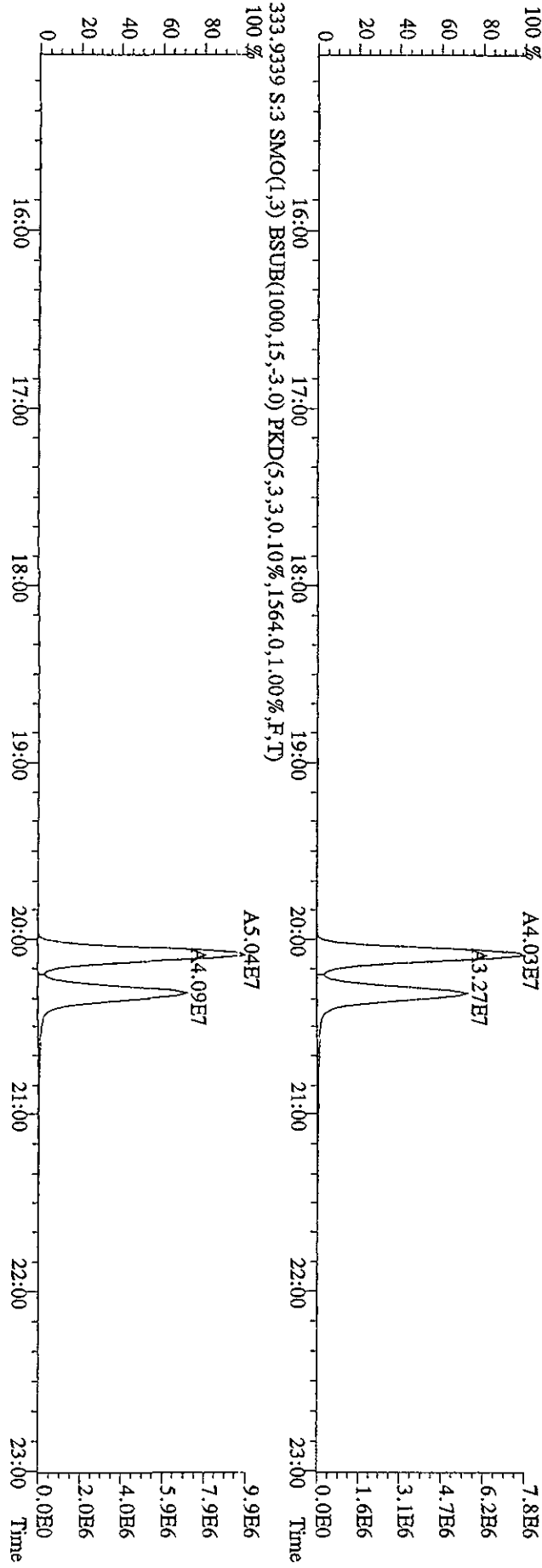
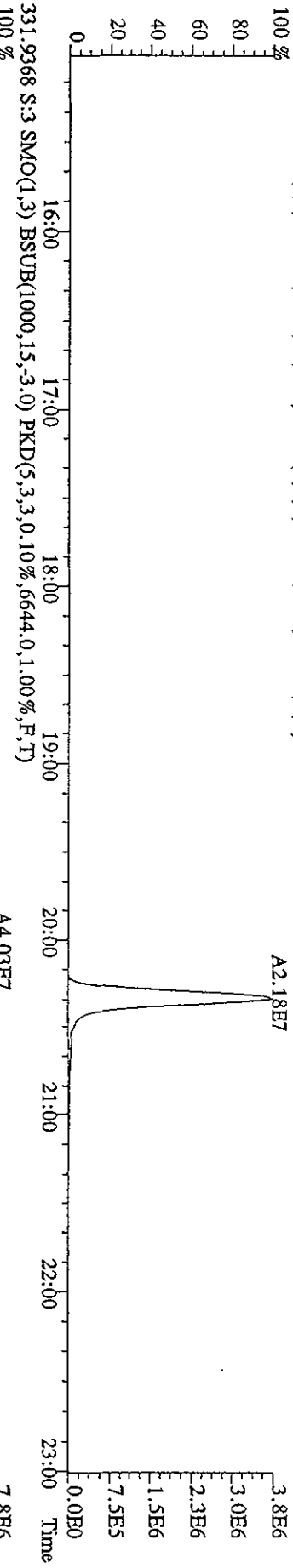
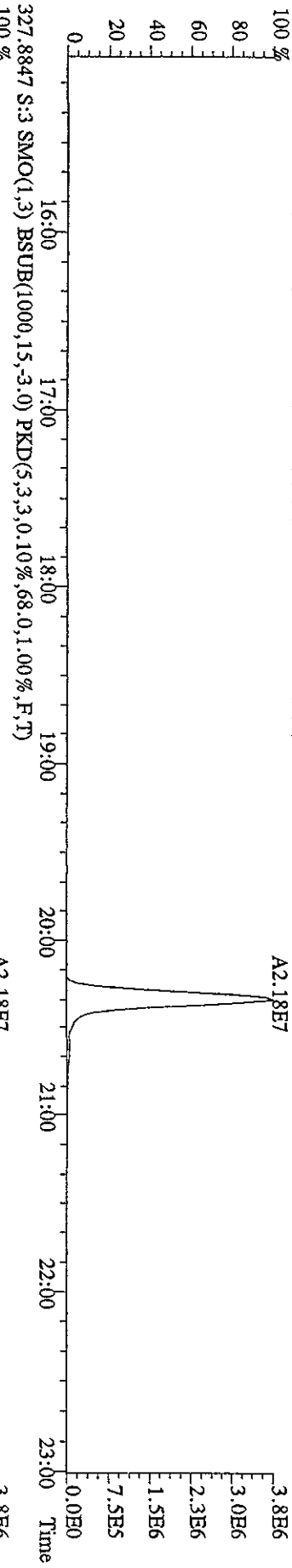
File: 12OCT104D5 #1-530 Acq: 12-OCT-2010 11:11:58 GC EI+ Voltage: SIR Autospec-Ultimate
 Sample#3 Text: L7QFD-1-AA :G01300000-250 (528-1MB) Exp: DIOXINRES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,320,0,1,100%,F,T)
 100 % A6.83E3 A6.73E3



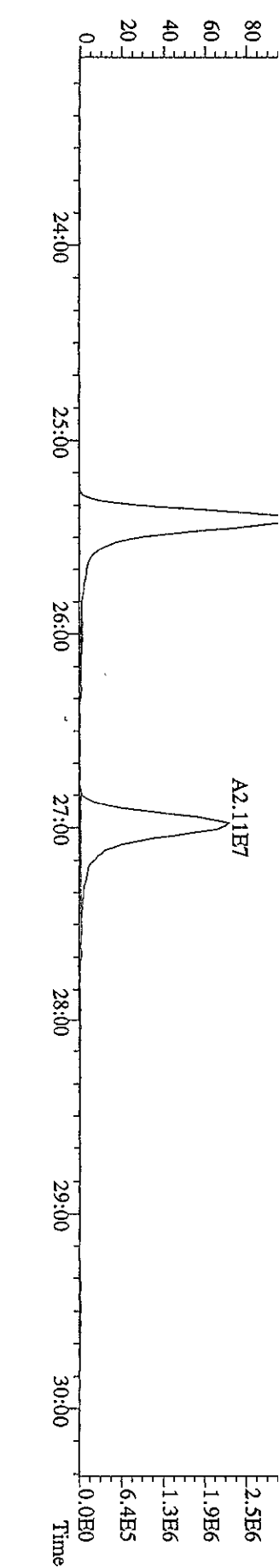
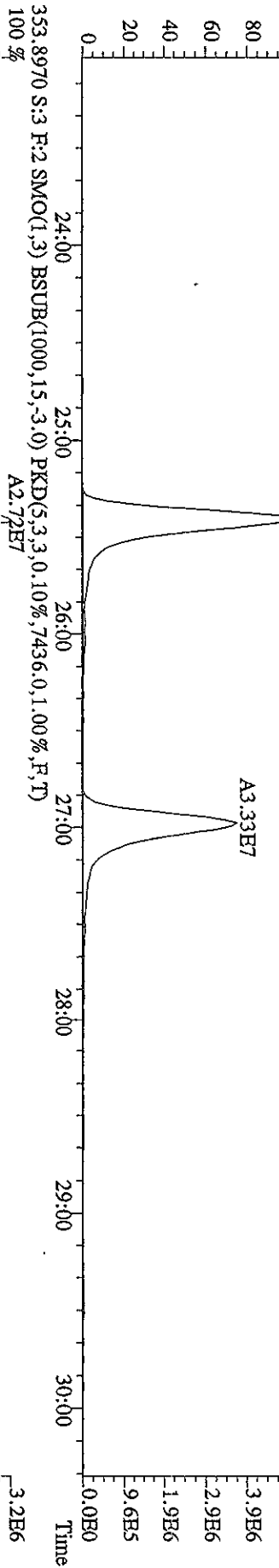
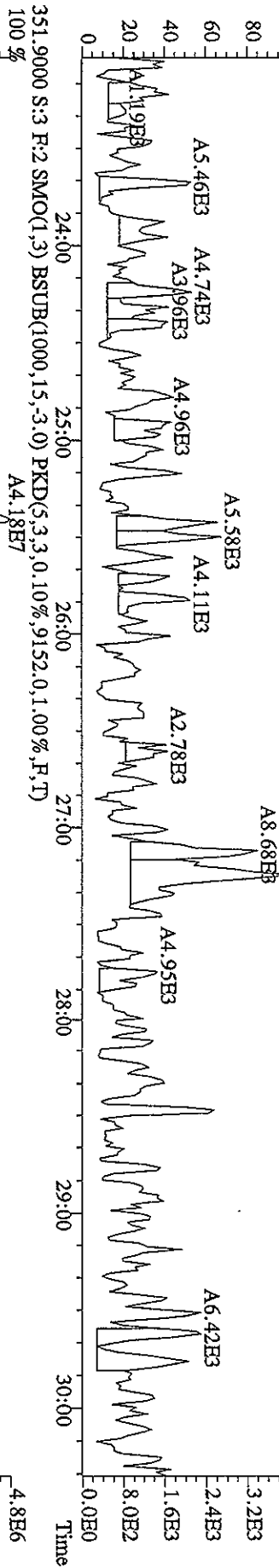
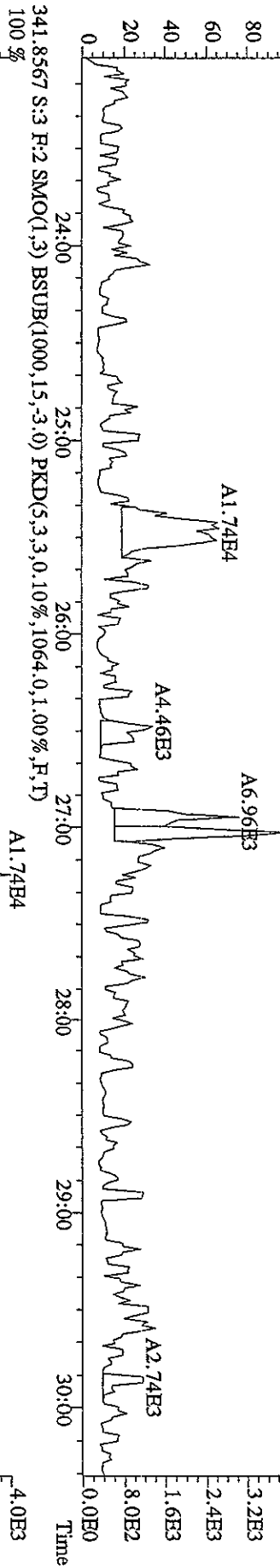
File: 12OC104D5 #1-530 Acq: 12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text: L7QFD-1-AA : G01000000-250 (S28-1MB) Exp: DIOXINRES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,100,0,1,00%,F,T)
 8.73E3



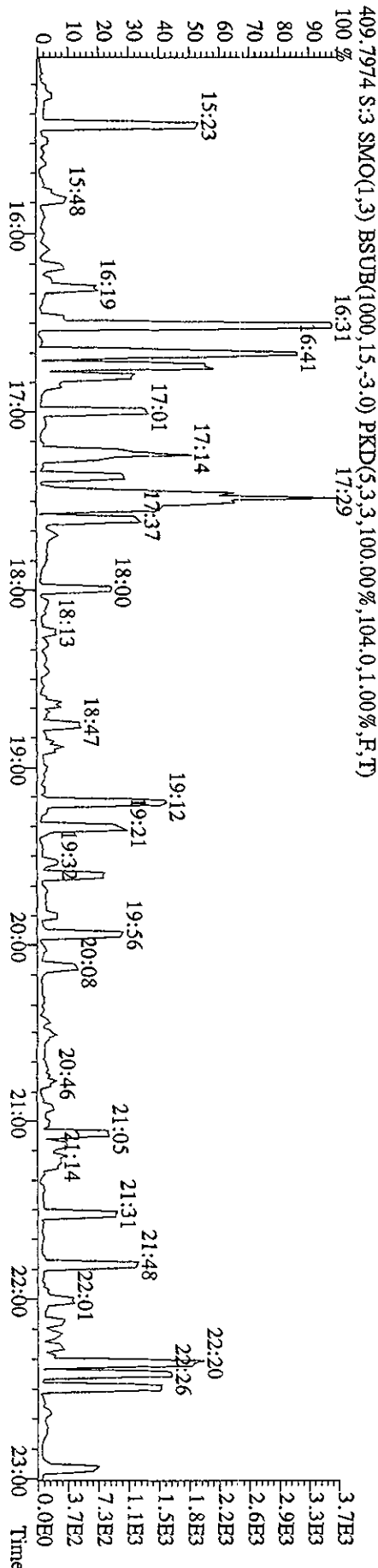
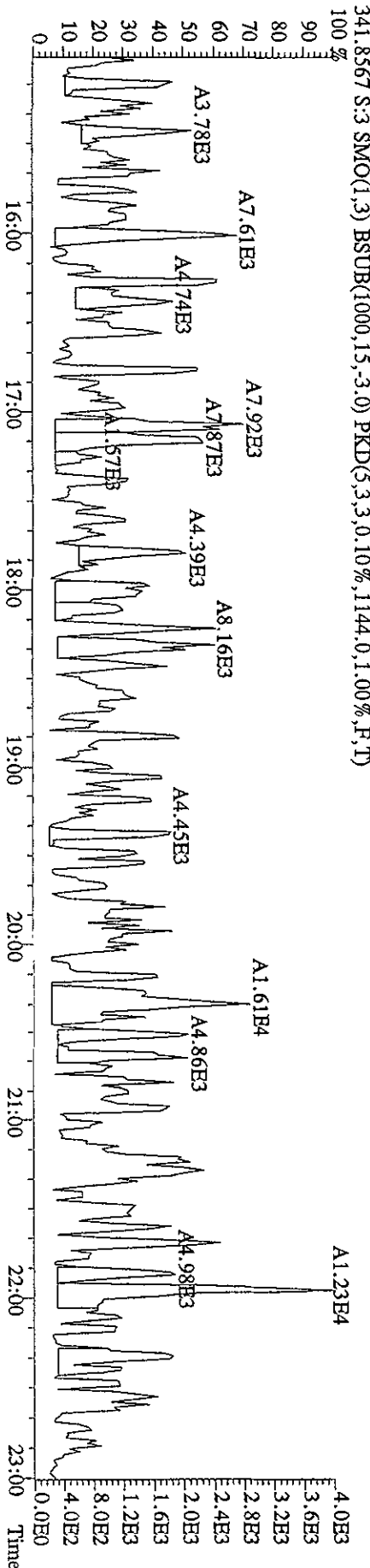
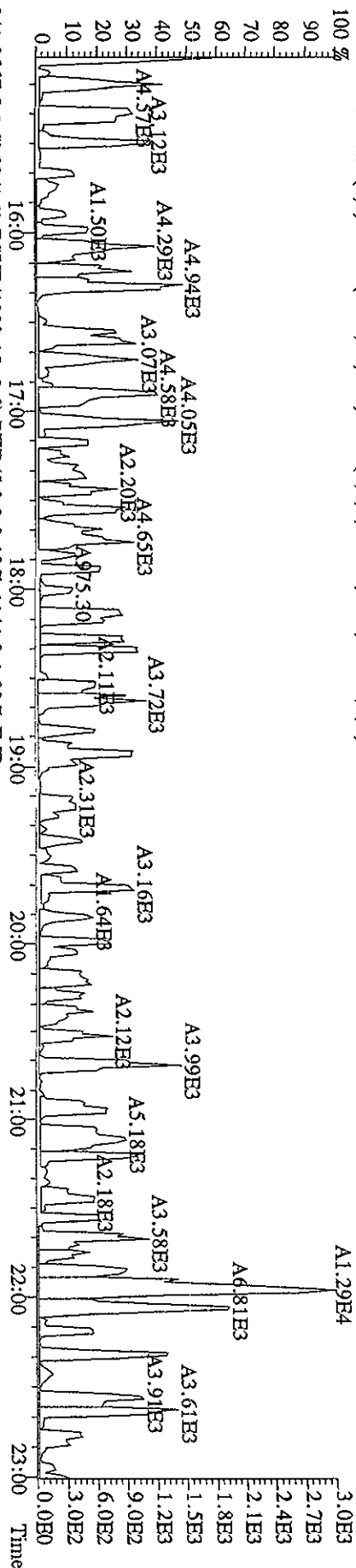
File:12OC104D5 #1-530 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:17QFD-1-AA :G01300000-250 (528-1MB) Exp:DIOXINRES
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68.0,1.00%,F,T)



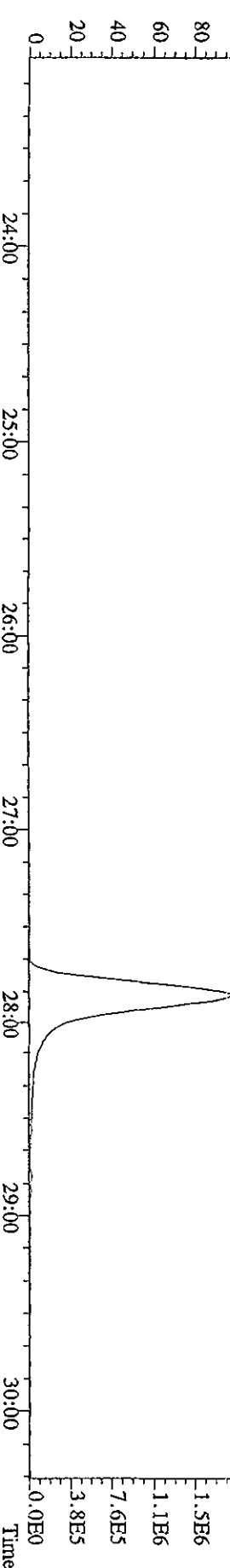
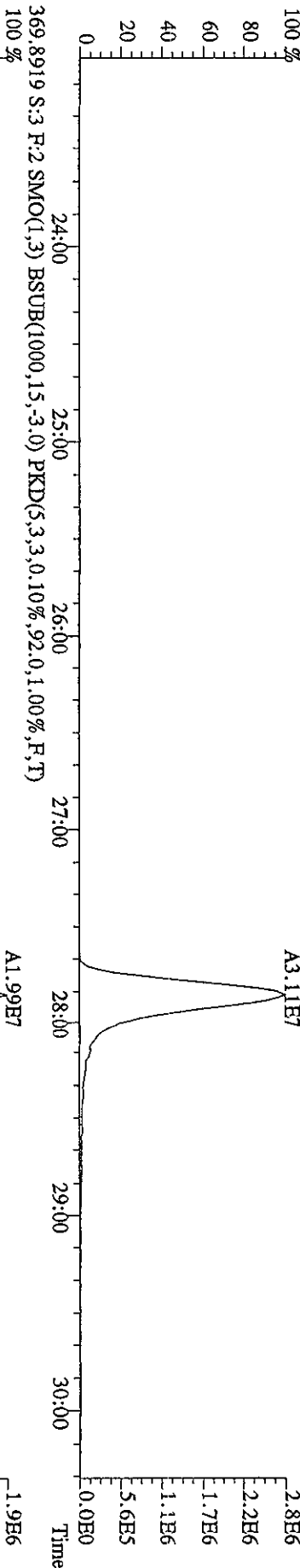
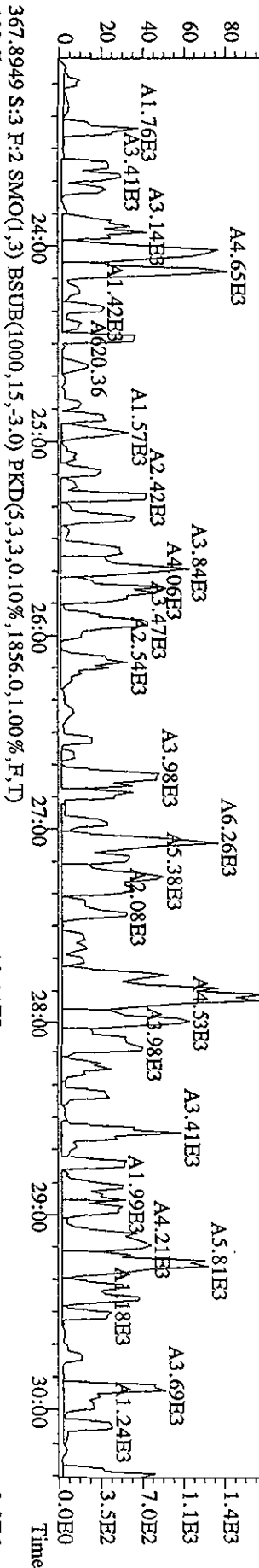
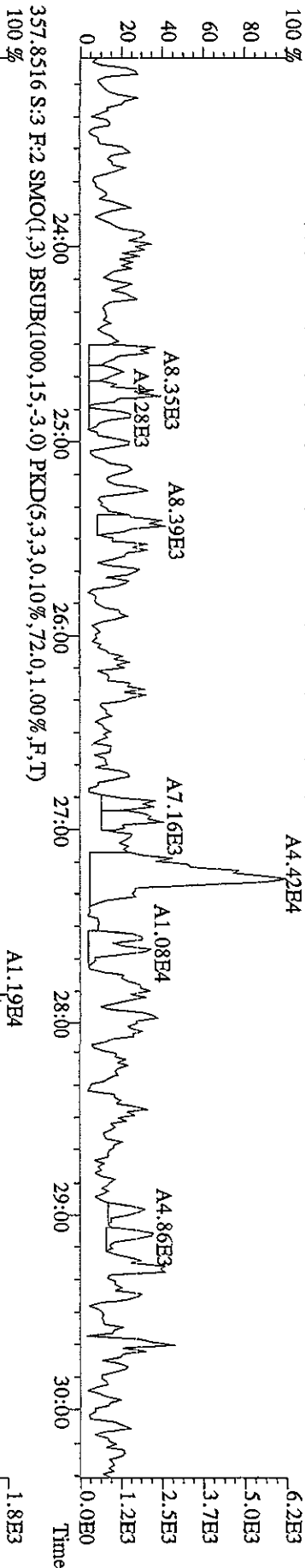
File:12OC104D5 #1-470 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:L/QFD-1-AA :G01300000-250 (528-IMB) Exp:DIOXINRES
 339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,716.0,1.00%,F,T)
 100 % A9.13E3



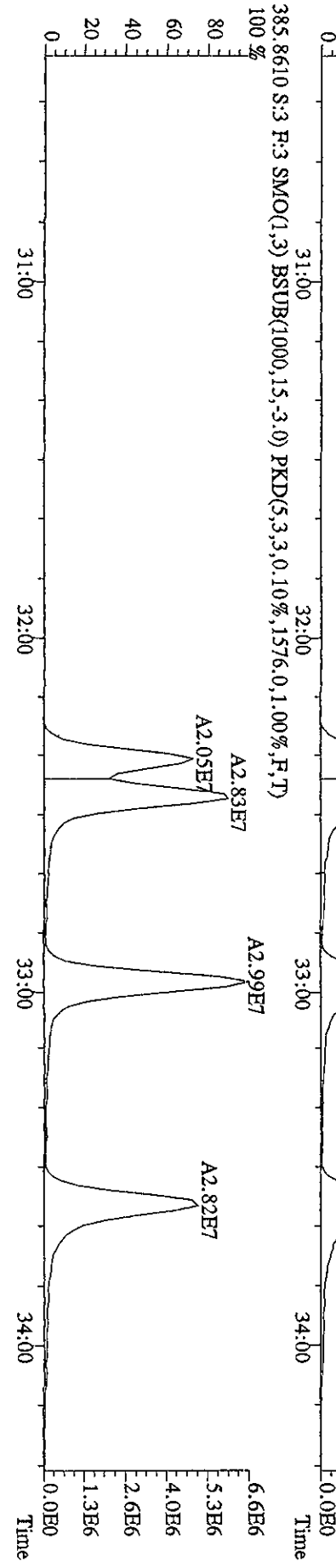
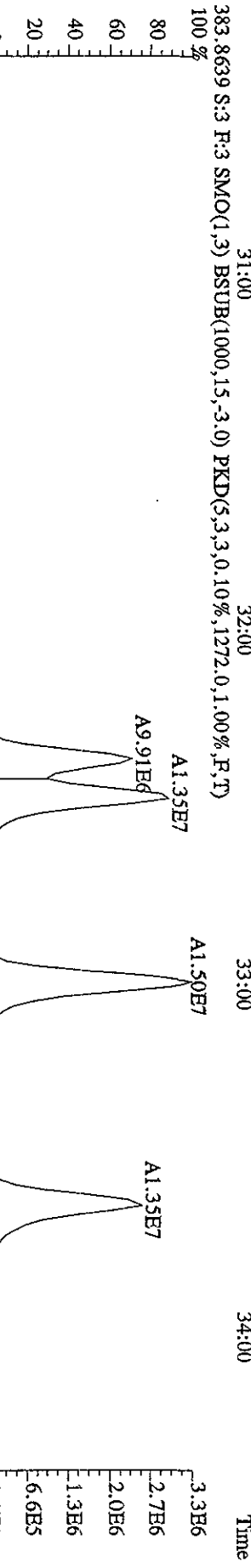
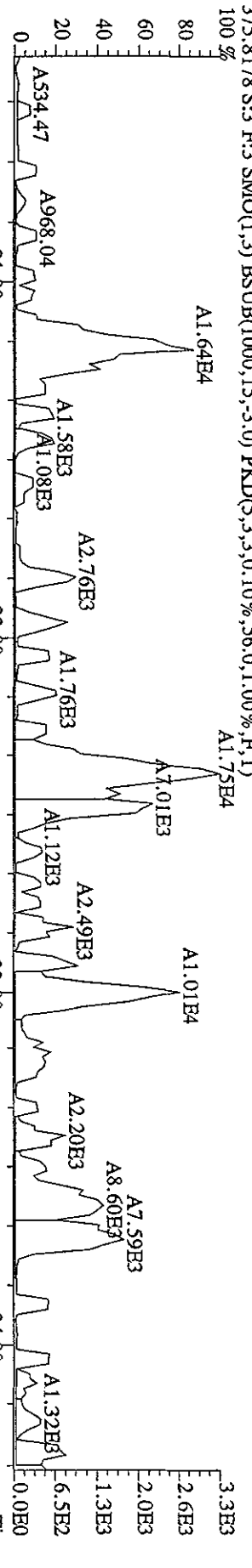
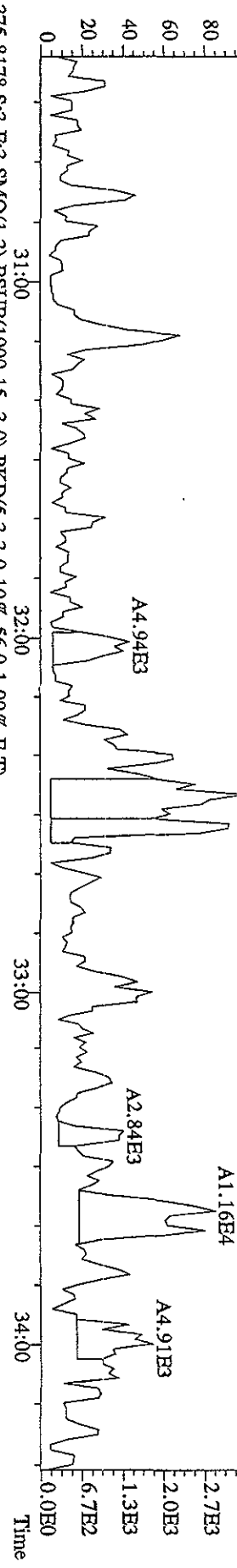
File:12OC104D5 #1-530 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-Ultimah
 Sample#3 Text:L7QFD-1-AA :G0300000-250 (528-1MB) Exp:DIOXINRES
 339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,76.0,1.00%,F,T)



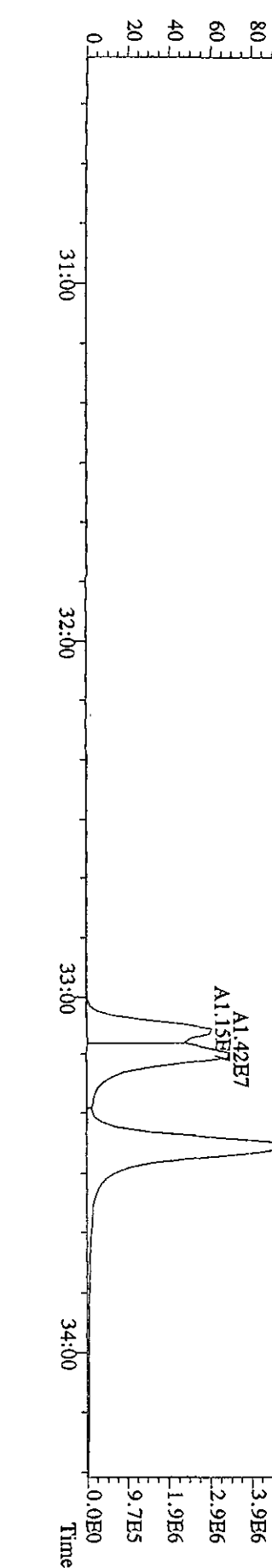
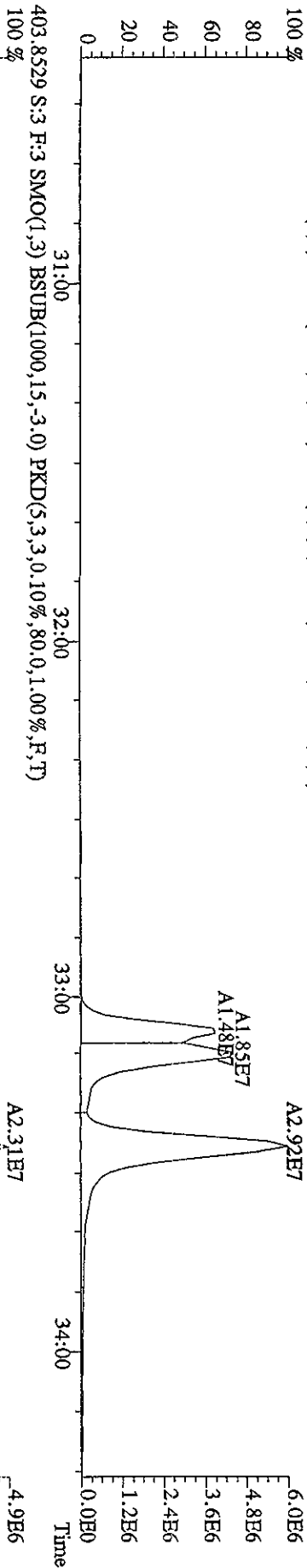
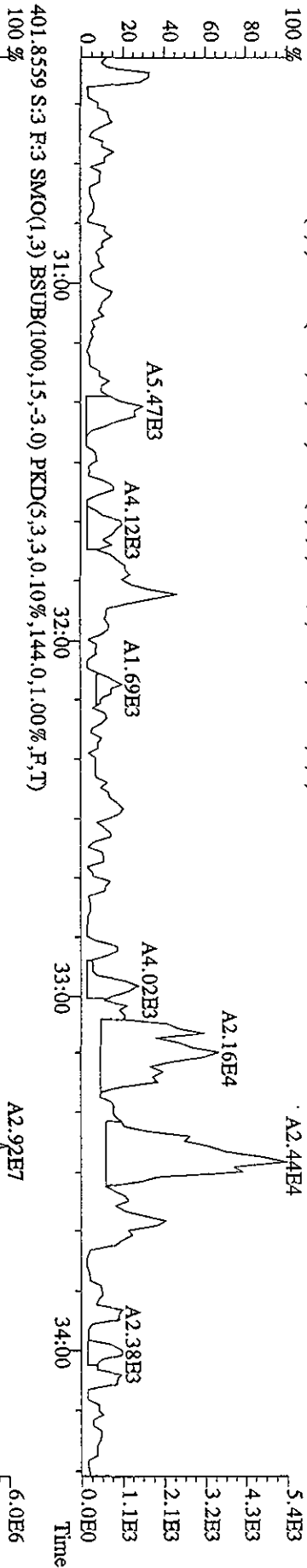
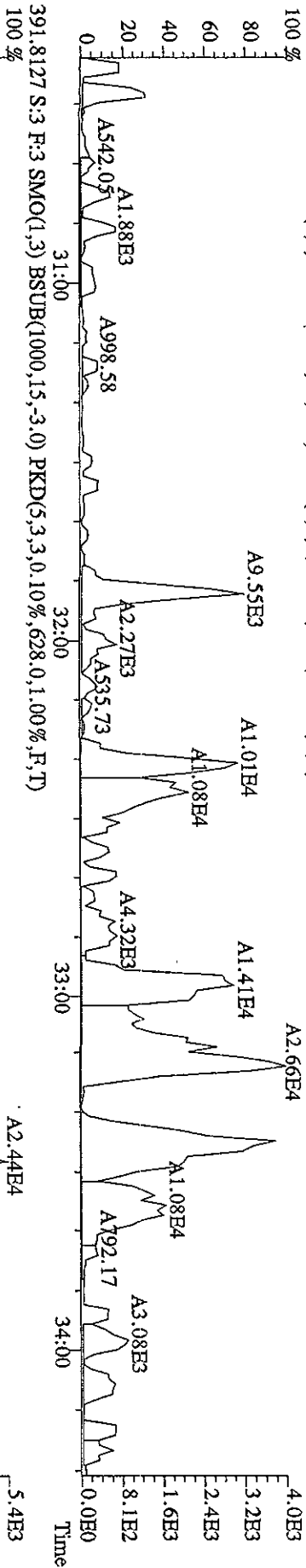
File:12OC104D5 #1-470 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage:50V Autospec-UltimaE
Sample#3 Text:17QFD-1-AA :G01300000-250 (528-1MB) Exp:DIOXINRES
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1200,0,1,00%,F,T)



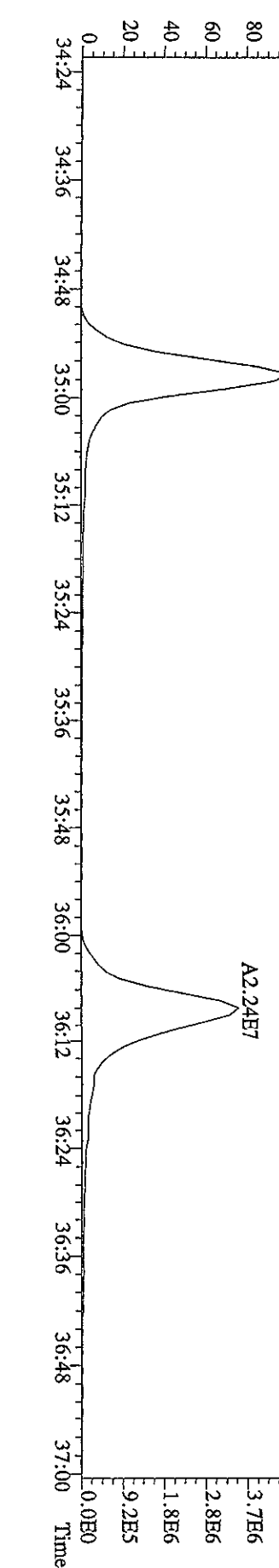
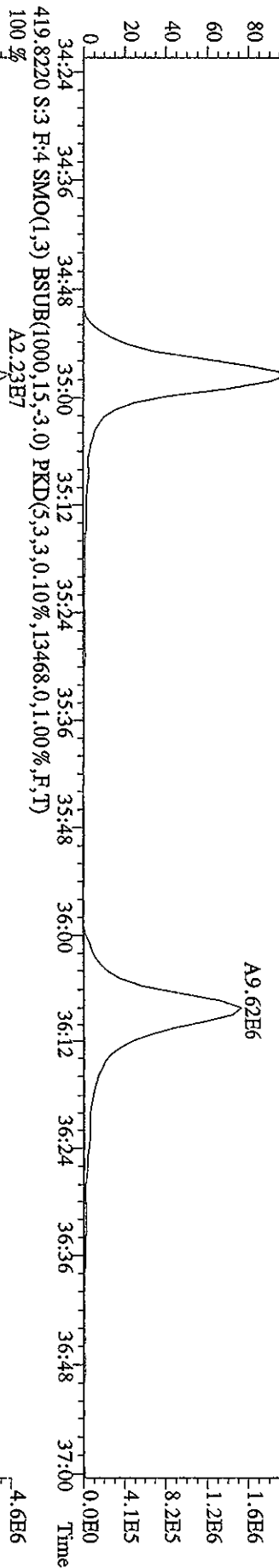
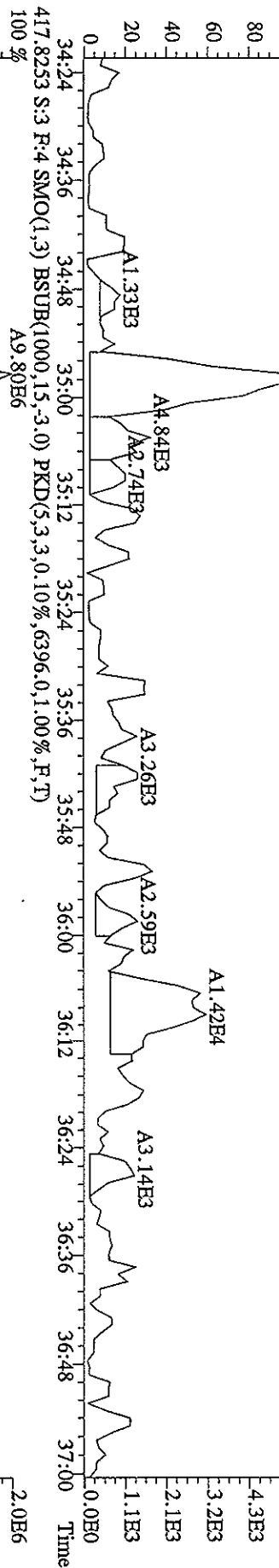
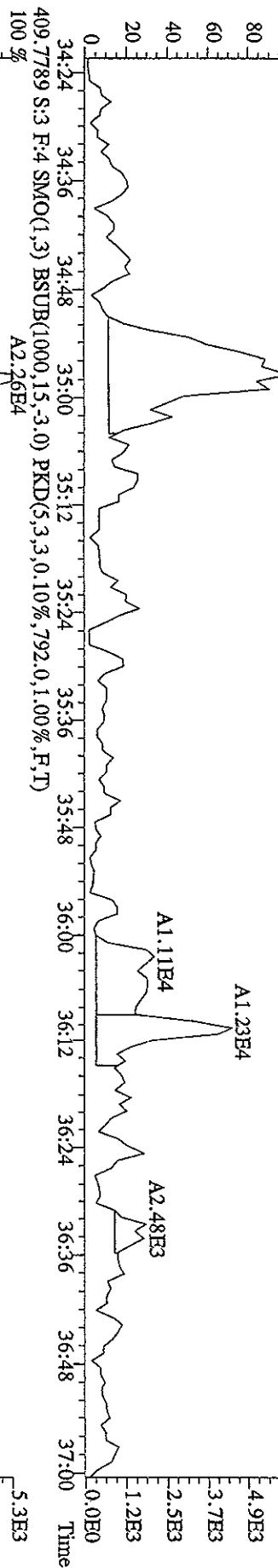
File: 120C104D5 #1-287 Acq: 12-OCT-2010 11:11:58 GC EI+ Voltage S1R Autospec-UltimaB
 Sample#3 Text: L7QFD-1-AA : G01300000-250 (528-1MB) Exp: DIOXINRES
 373,8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,876.0,1.00%,F,T)



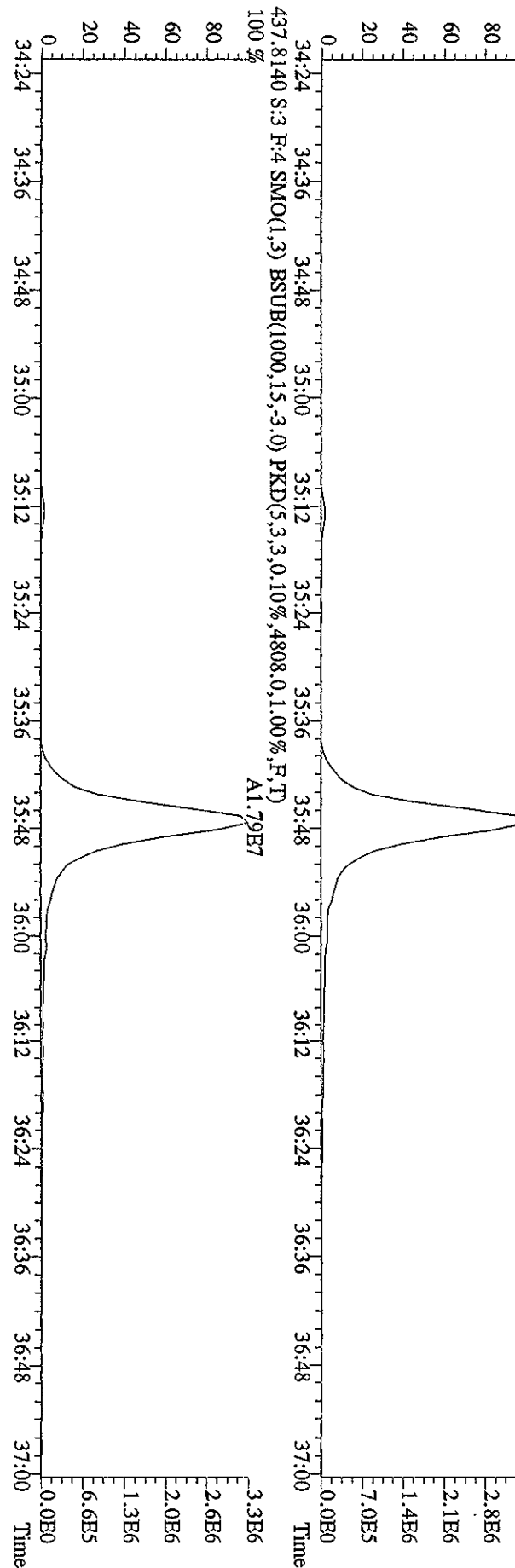
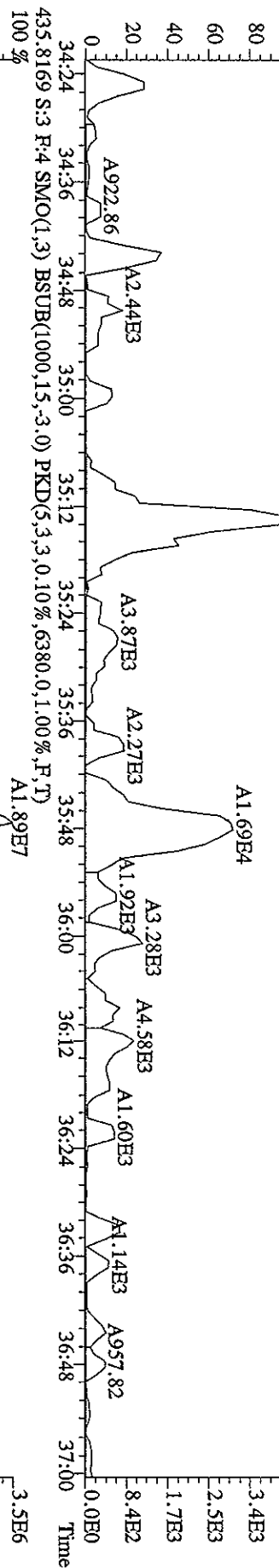
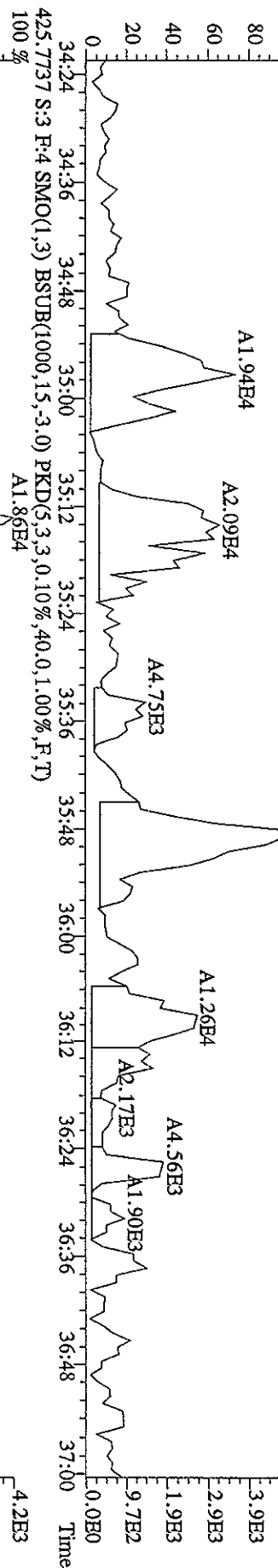
File:120C104D5 #1-287 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:LTQFD-1-AA :G01300000-250 (528-1MB) Exp:DIOXINES
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72.0,1.00%,F,T)



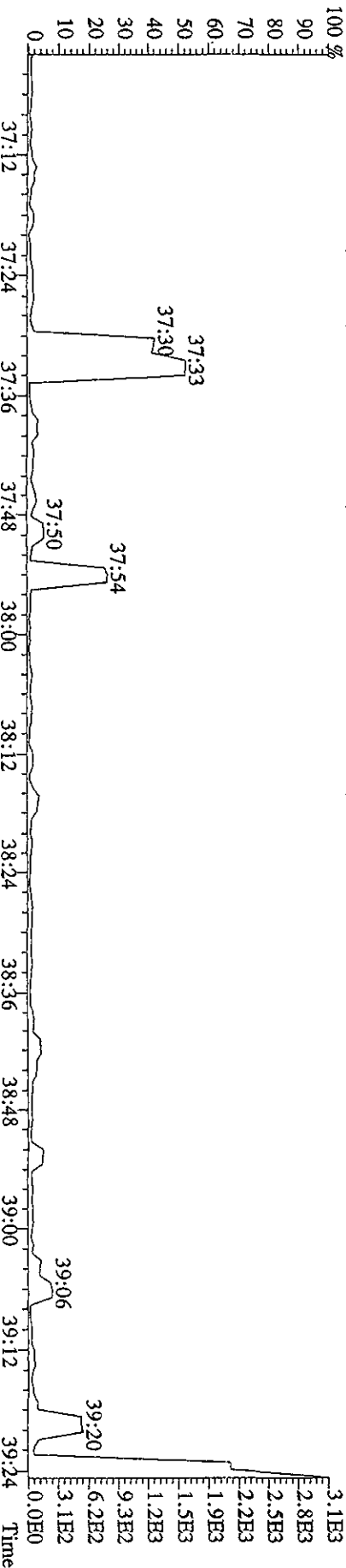
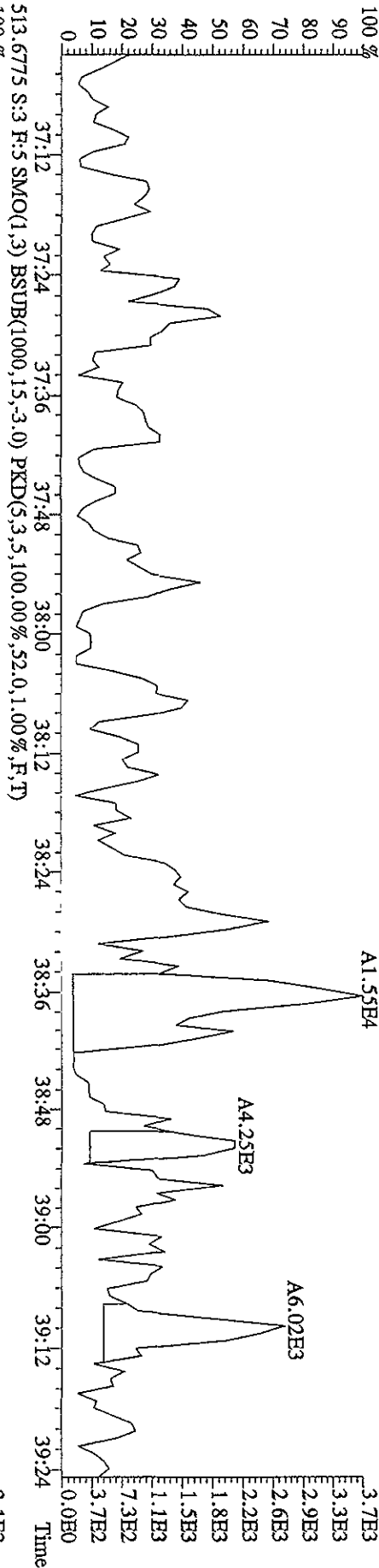
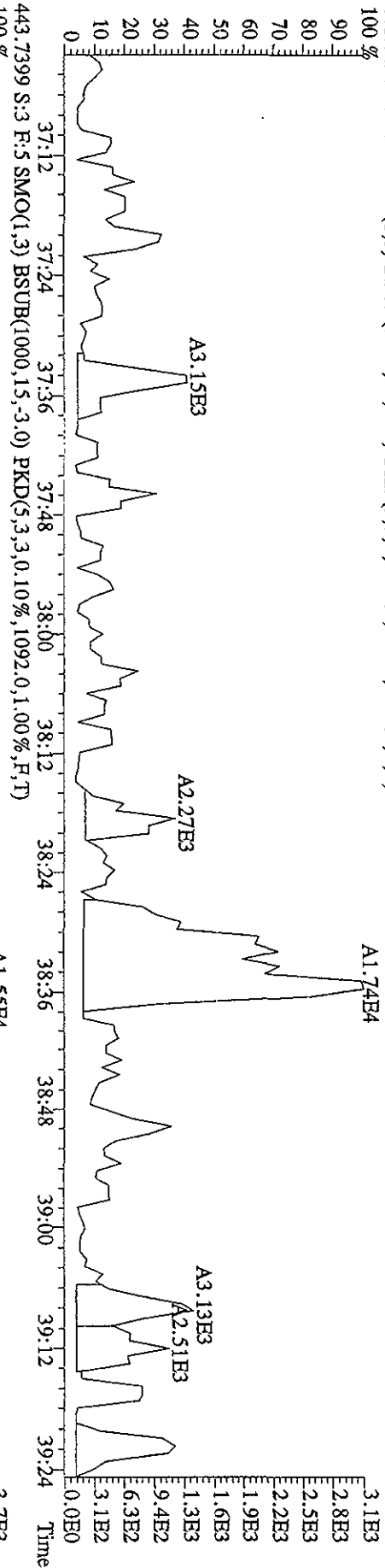
File:12OC104D5 #1-200 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-UtimaB
 Sample#3 Text:L7QFD-1-AA :G01300000-250 (528-1MB) Exp:DIOXINRES
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.232,0.1,0.0%,F,T) 100 %
 A3.45E4



File:12OC104D5 #1-200 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:LTQFD-1-AA :G01300000-250 (528-1MB) Exp:DIOXINRES
 423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,748.0,1.00%,F,T)
 100 %



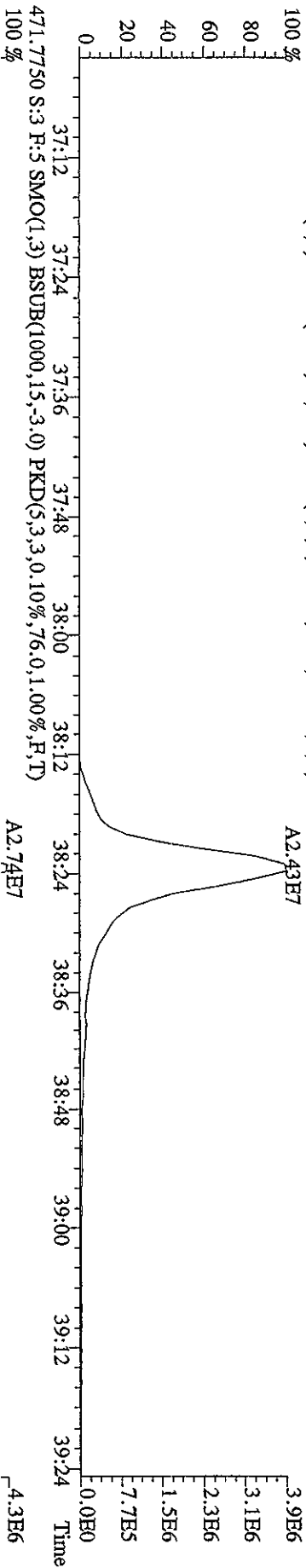
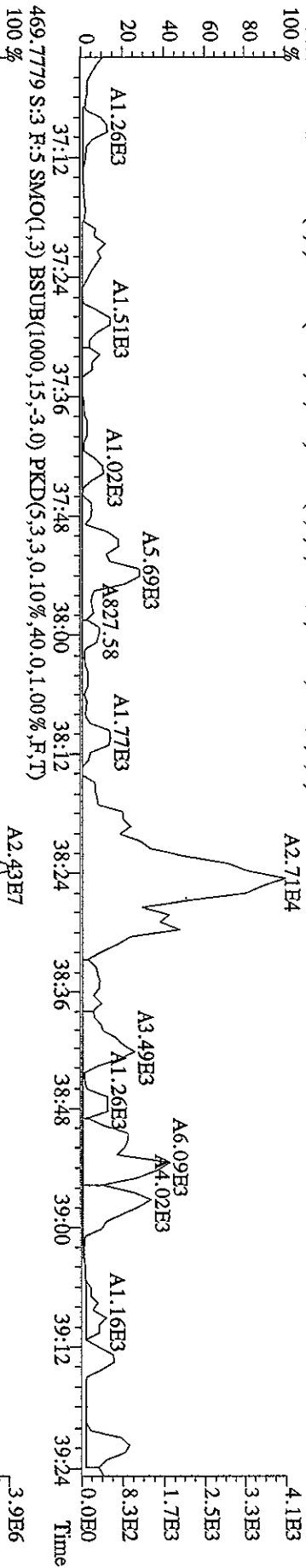
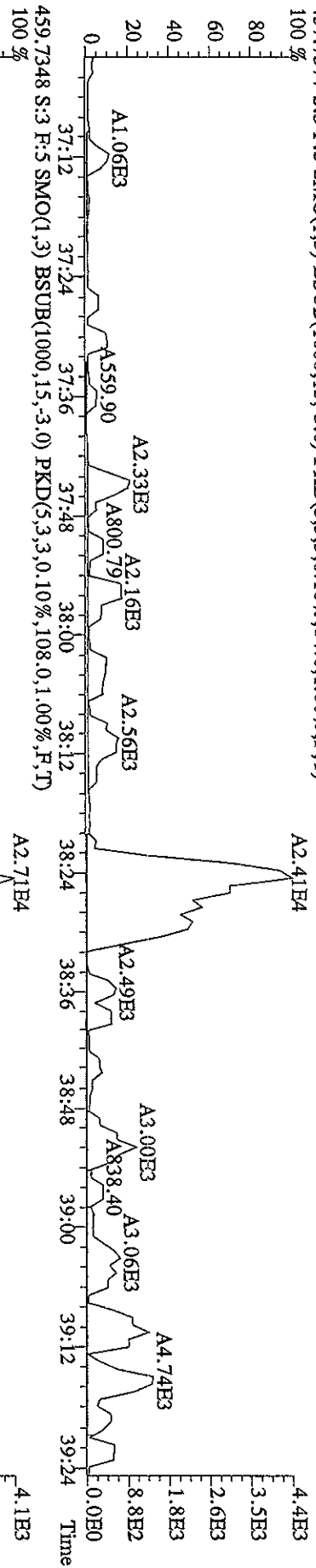
File: 12OC104D5 #1-193 Acq: 12-OCT-2010 11:11:58 GC: EI+ Voltage: 519 Autospec: Ultimate
 Sample#3 Text: LTOPD-1-AA :G01300000-250 (528-1MB) Exp: DIOXINRES
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,480.0,1.00%,F,T)



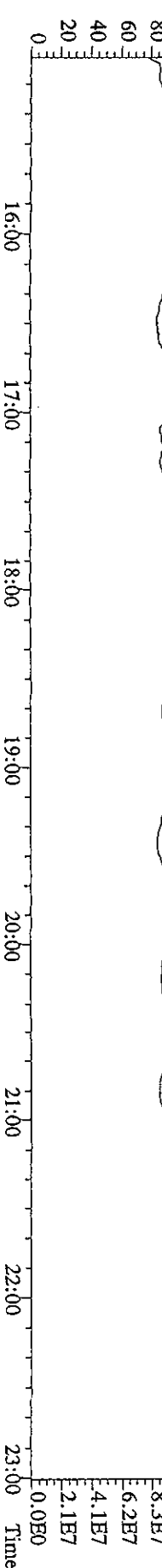
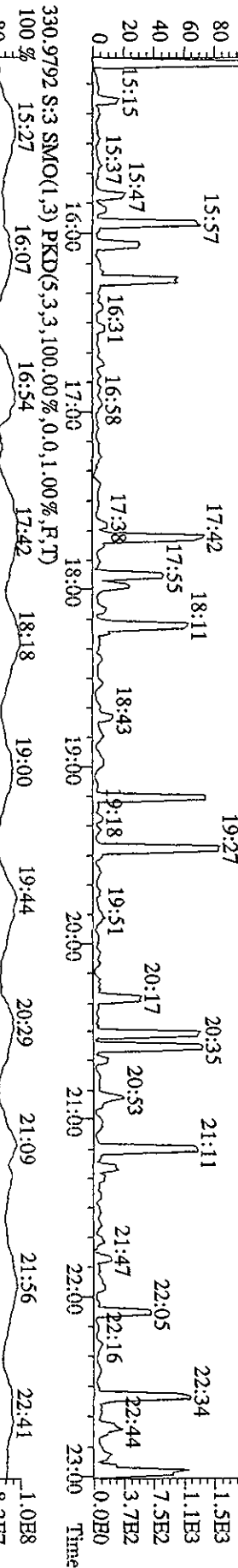
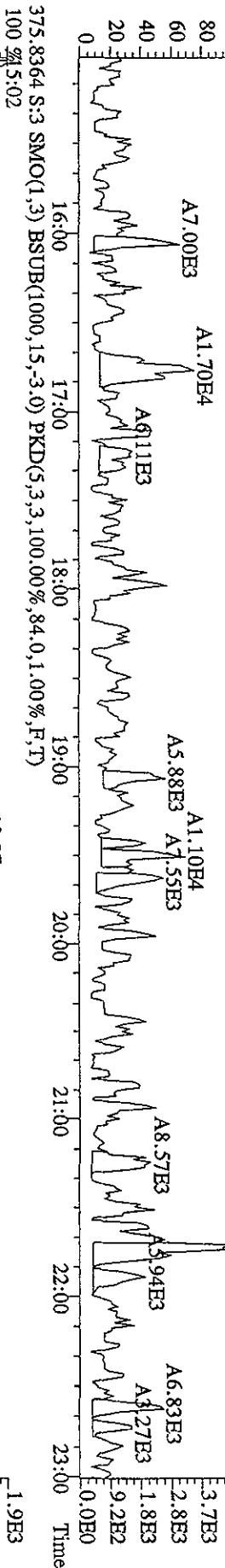
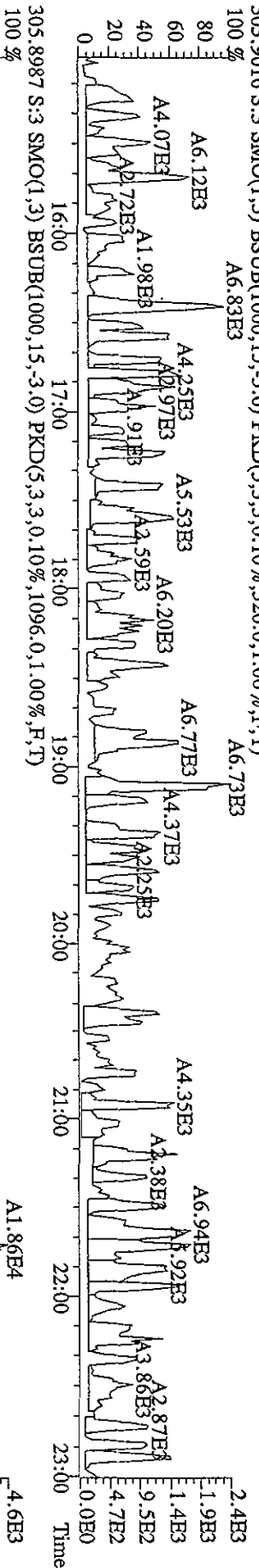
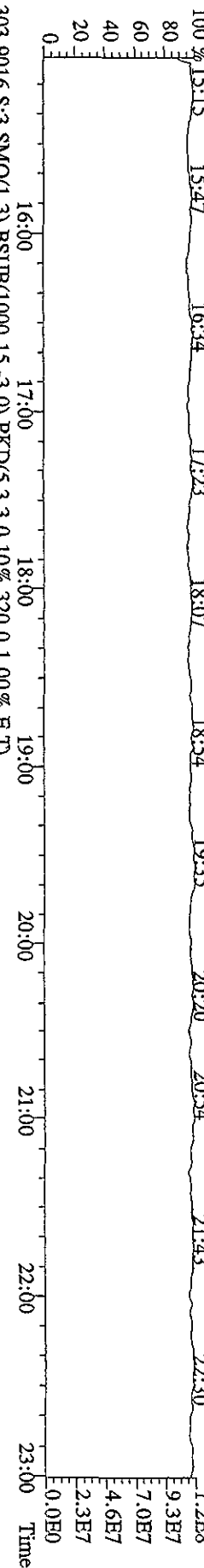
File: 12OC104D5 #1-193 Acq: 12-OCT-2010 11:11:58 GC: EI+ Voltage: SIR Autospec-UltimaB

Sample#3 Text: L7QFD-1-AA : G01300000-250 (528-1MB) Exp: DIOXINRES

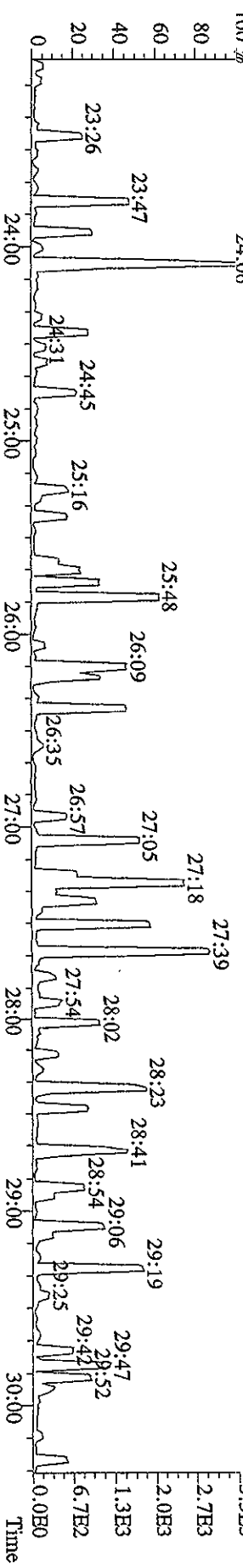
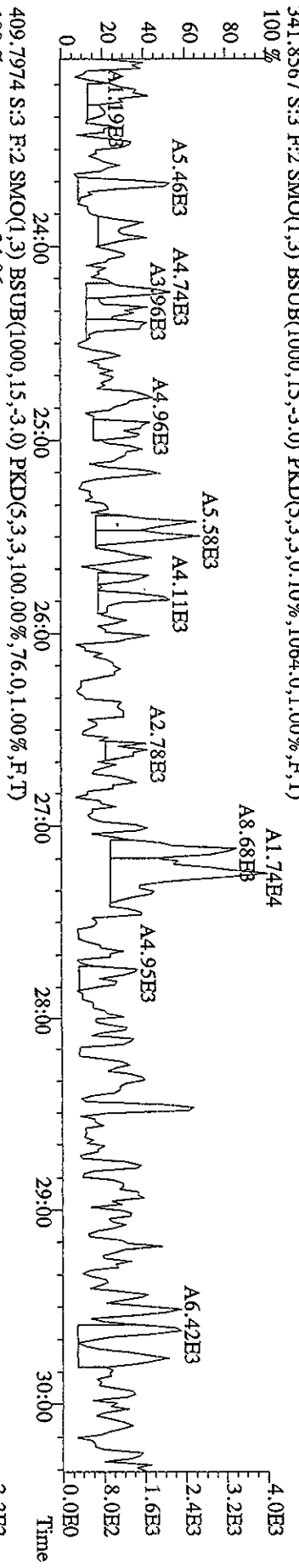
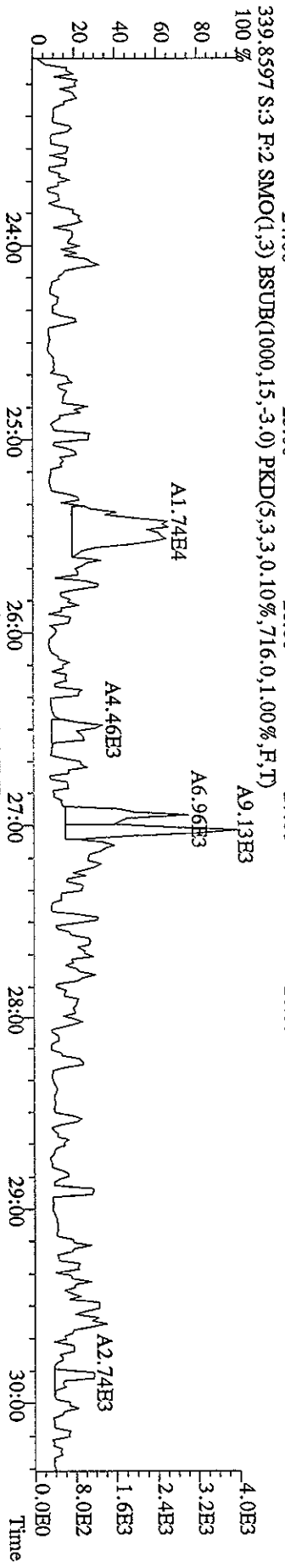
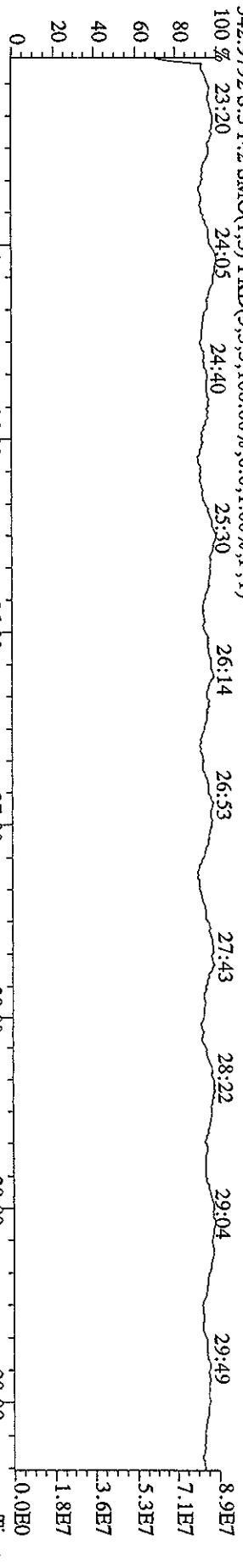
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



File:12OC104D5 #1-530 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:17QFD-1-AA :G01300000-250 (528-1MB) Exp:DIOXINRES
 292.9825 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 100% 15:15 15:47 16:34 17:23 18:07 18:54 19:35 20:20 20:54 21:43 22:30



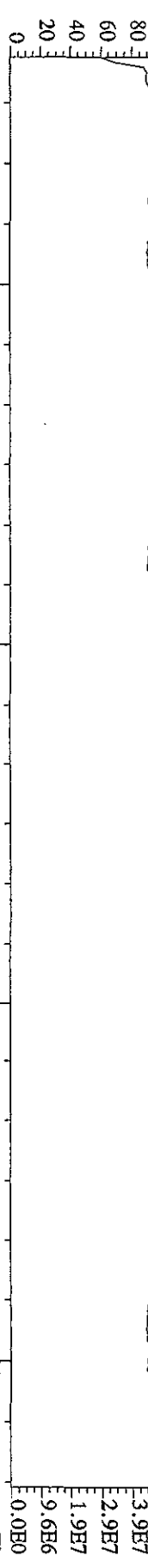
File:12OC104D5 #1-470 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:L7QFD-1-AA :G01300000-250 (528-1MB) Exp:DIOXINRES
 342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



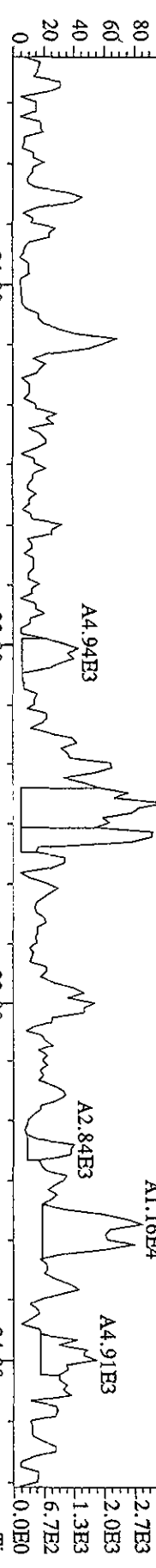
File:12OCT04D5 #1-287 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-UltimaB

Sample#3 Text:L7QFD-1-AA :G01300000-250 (528-1MB) Exp:DIOXINRES

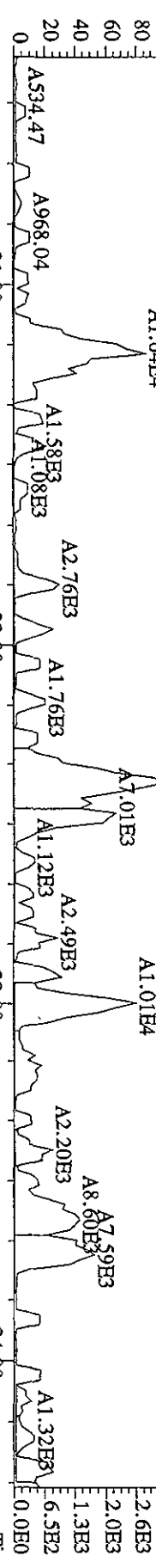
392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,876.0,1.00%,F,T)



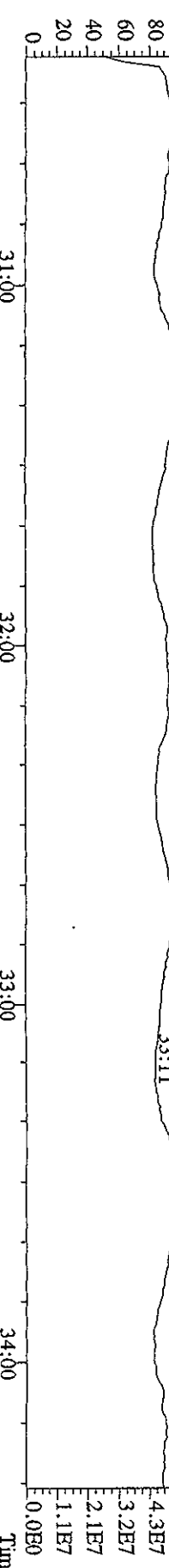
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56.0,1.00%,F,T)



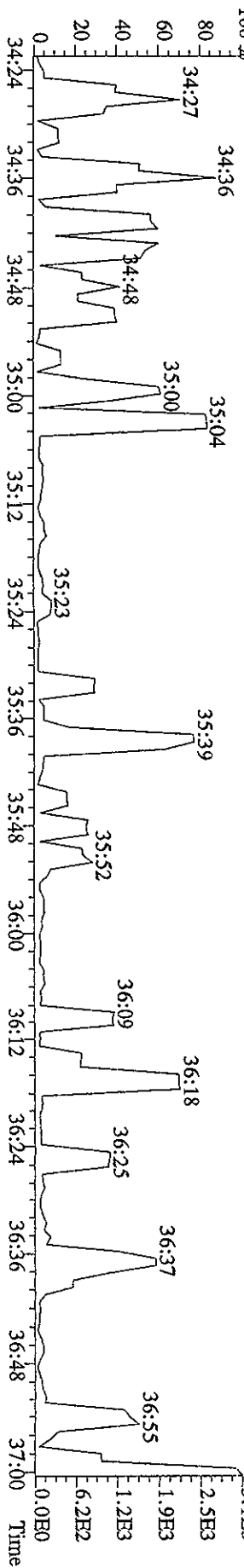
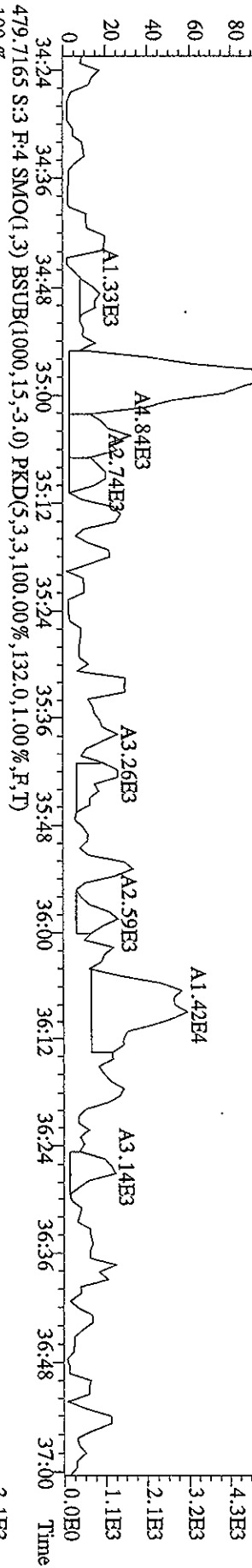
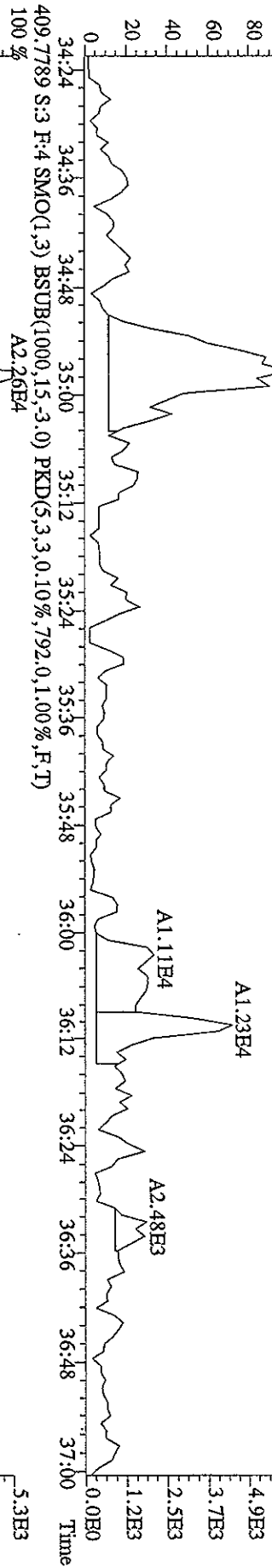
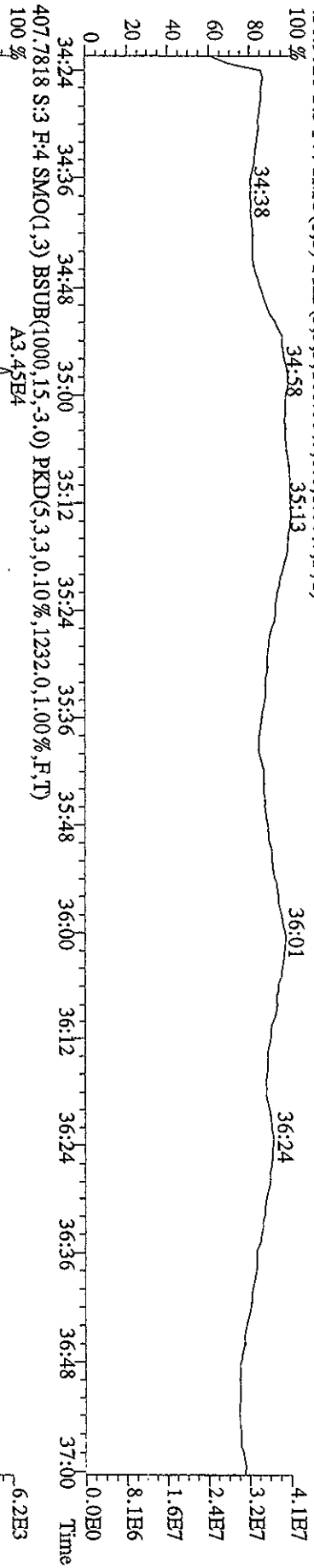
445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,92.0,1.00%,F,T)



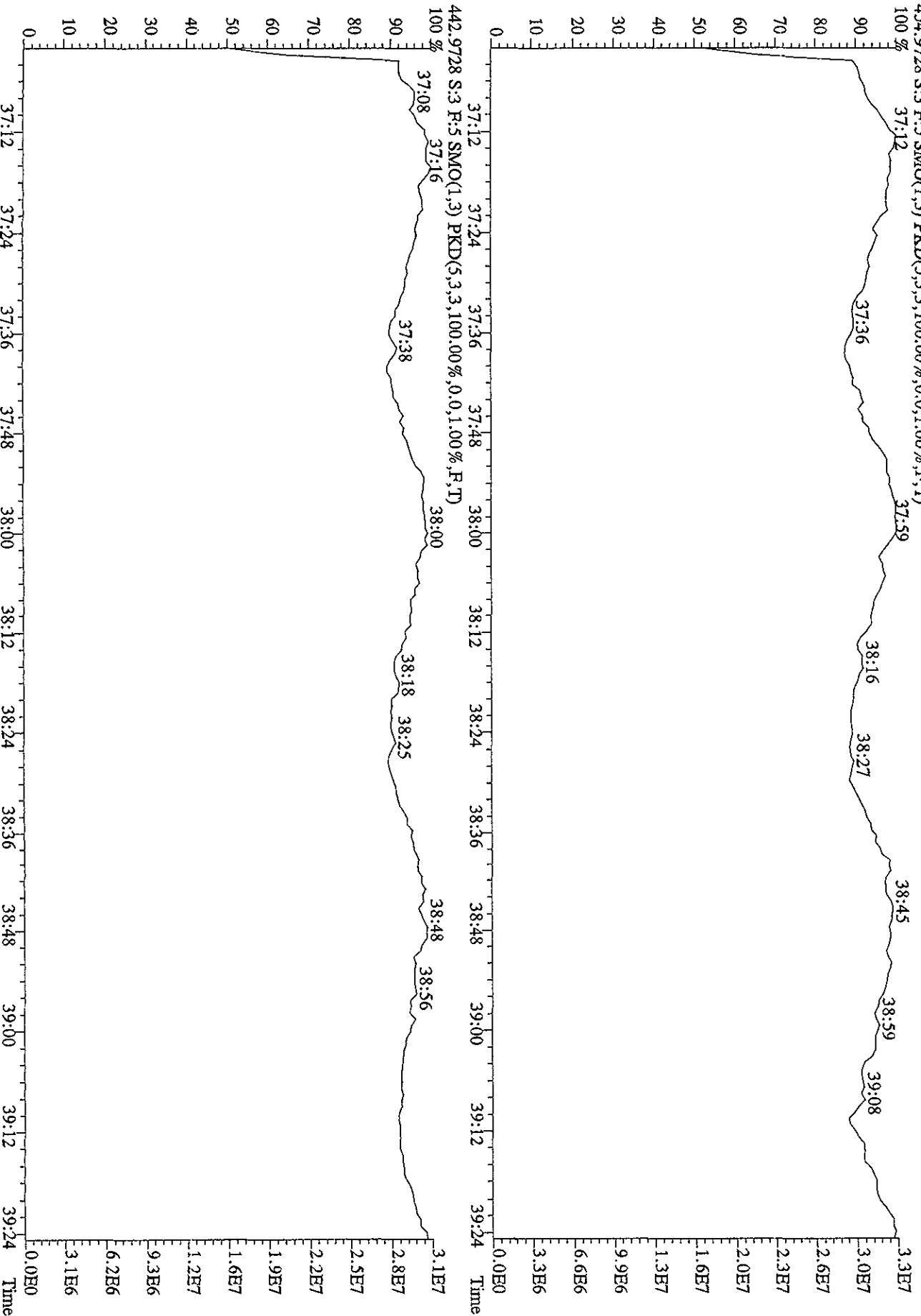
380.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



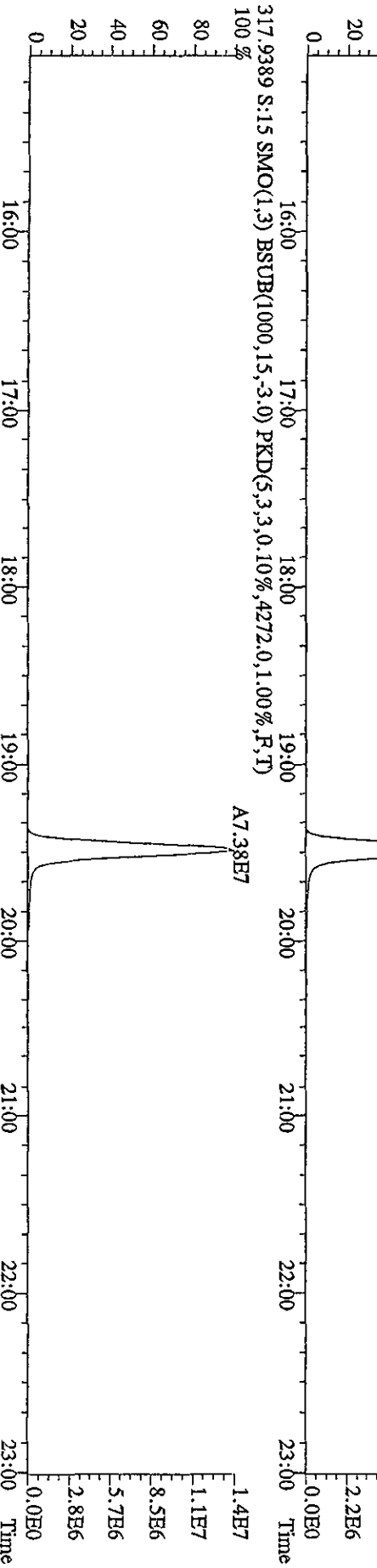
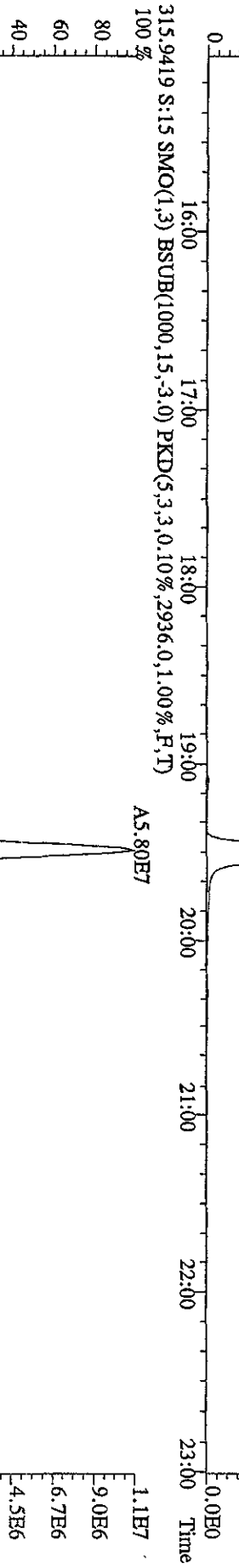
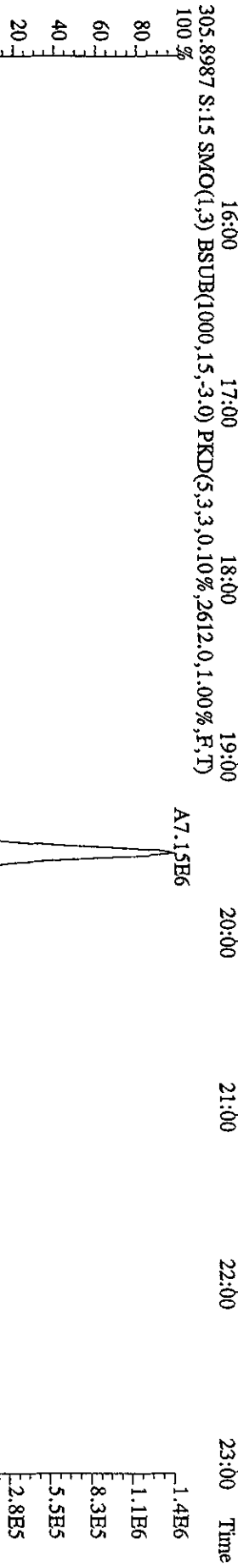
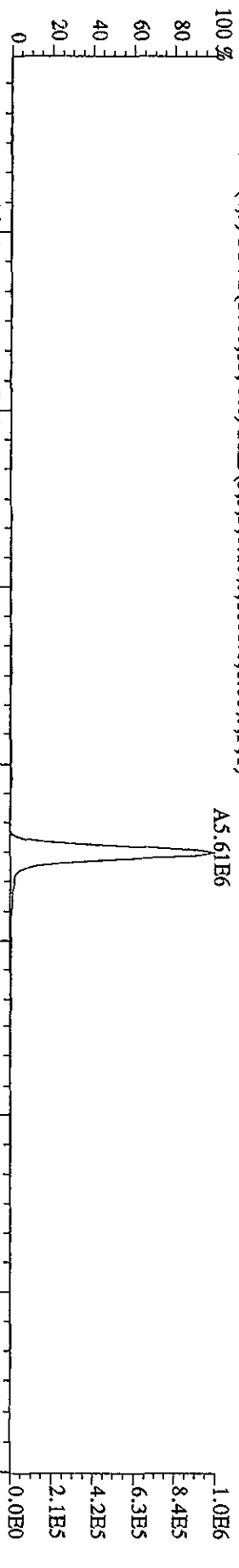
File:12OC104D5 #1-200 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:LTQFD-1-AA :G01300000-250 (528-1MB) Exp:DIOXINRES
 430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 %



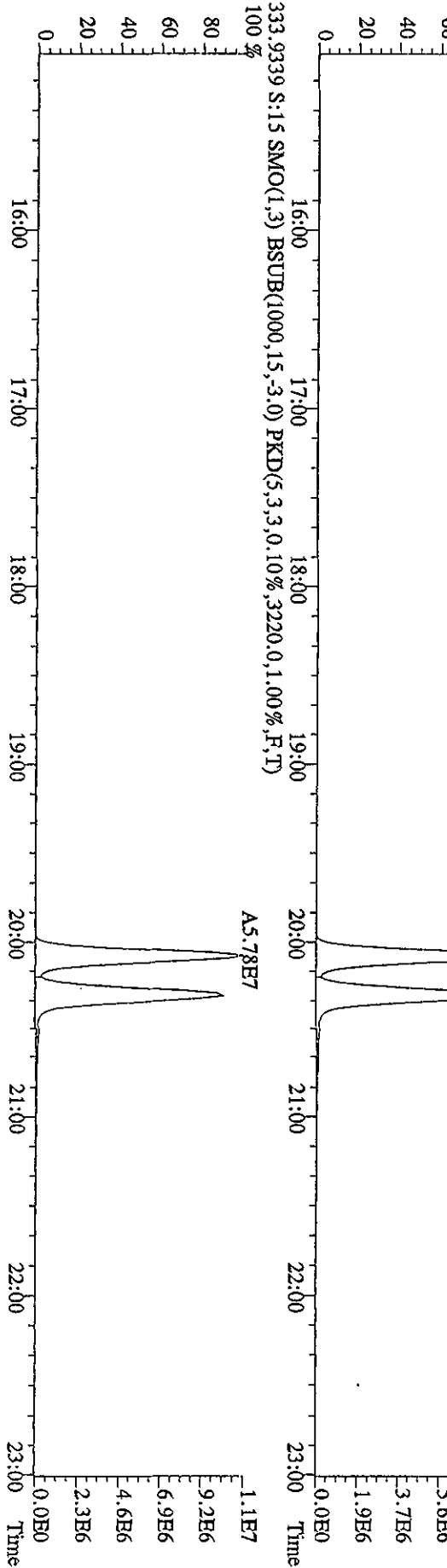
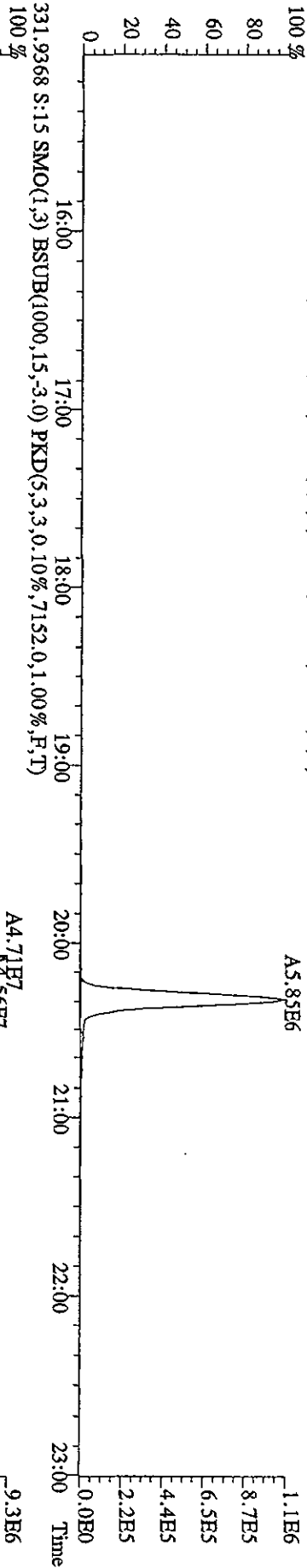
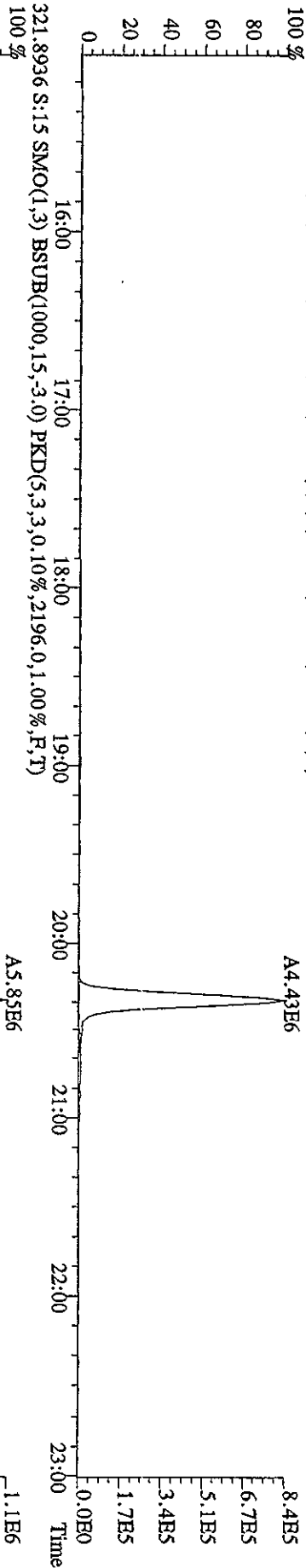
File:12OCT104D5 #1-193 Acq:12-OCT-2010 11:11:58 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:L7QPD-1-AA :G01300000-250 (528-1MB) Exp:DIOXINRES
 454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



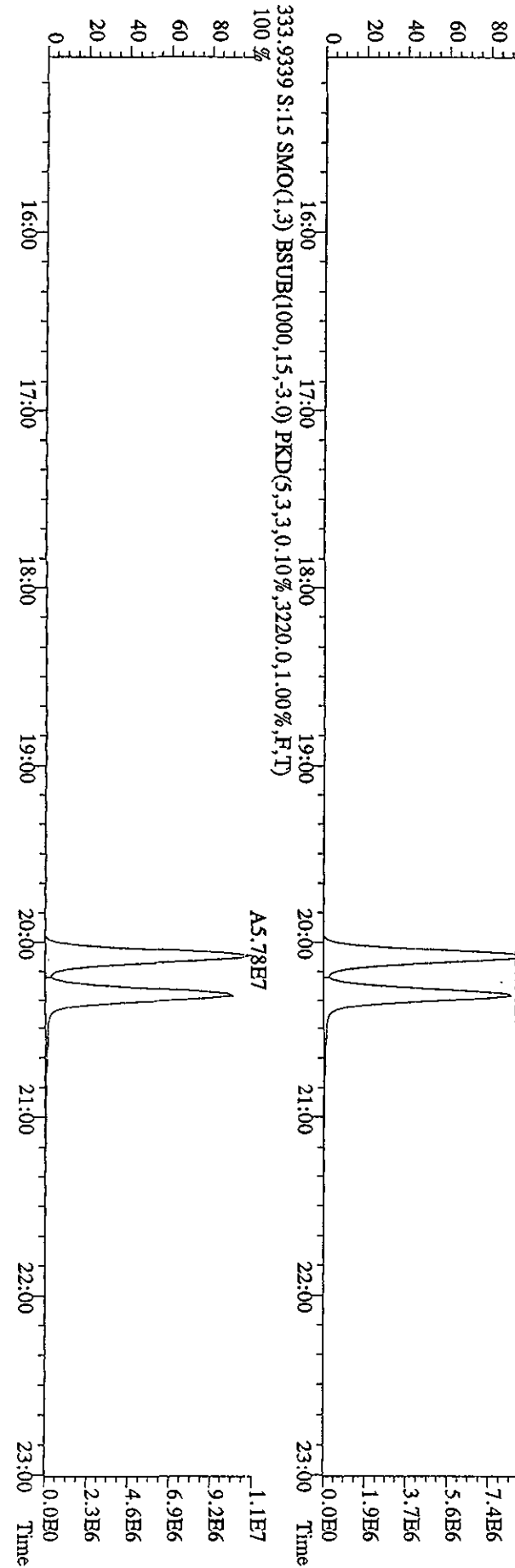
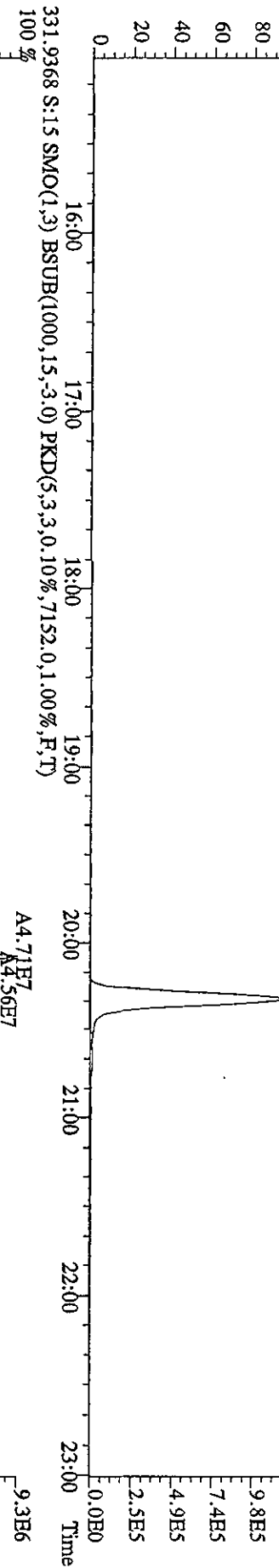
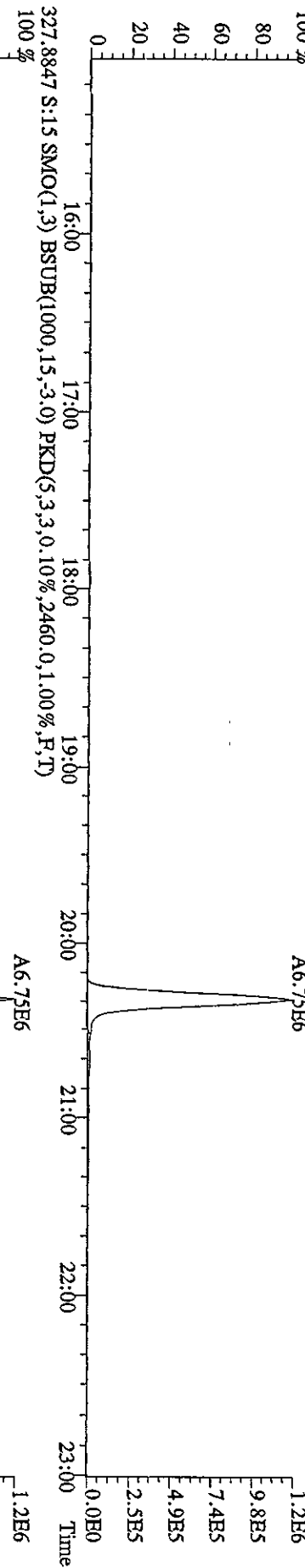
File:12OC104D5 #1-530 Acq:12-OCT-2010 20:07:08 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 Text:ST1012A :CS3 10DXN426 Exp:DIOXINRES
 303.9016 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1808.0,1.00%,F,T)



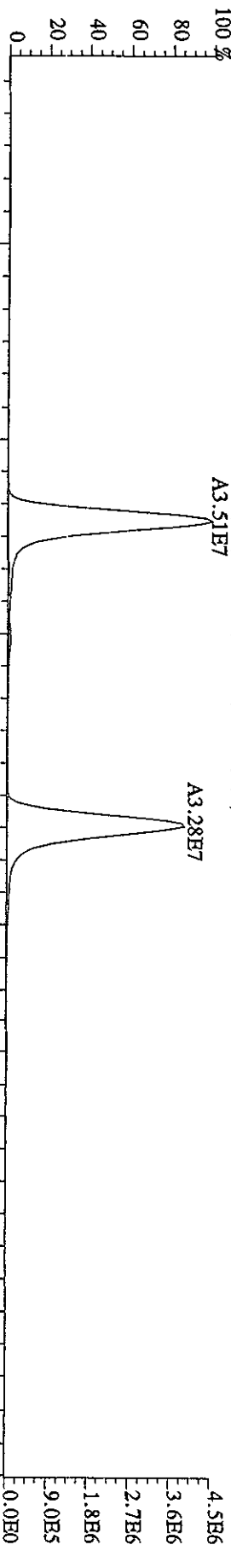
File:120C104D5 #1-530 Acq:12-OCT-2010 20:07:08 GC HI + Voltage SIR Autospec-Ultimate
 Sample#15 Text:ST1012A :CS3 10DXN4Z6 Exp:DIOXINRES
 319.8965 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1840,0,1,00%,F,T)



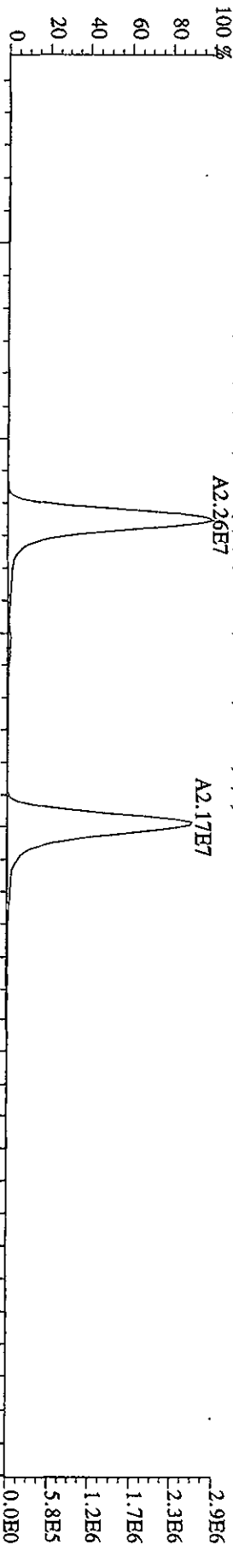
File: 12OC104D5 #1-530 Acq: 12-OCT-2010 20:07:08 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#15 Text: ST1012A :CSS 10DXN426 Exp: DIOXINRES
 327.8847 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2460,0,1,00%,F,T)



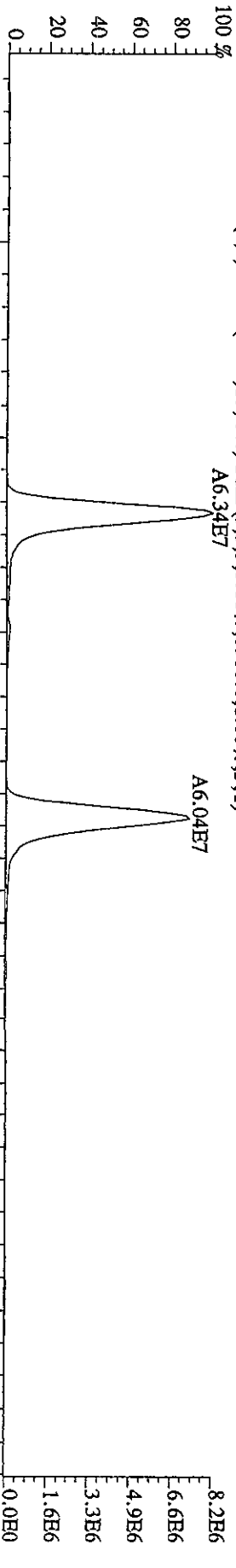
File:120C104D5 #1-470 Acq:12-OCT-2010 20:07:08 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#15 Text:ST1012A :CS3 10DXN426 Exp:DIOXINRES
 339.8597 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2396.0,1.00%,F,T)
 A3.51E7



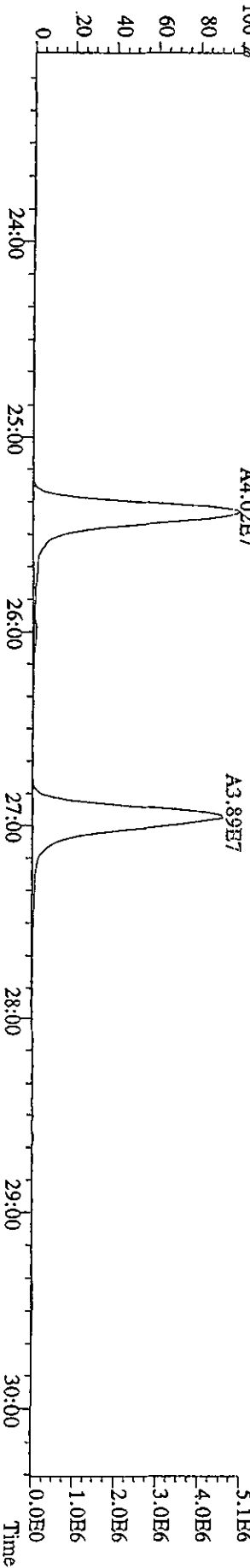
341.8567 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3752.0,1.00%,F,T)
 A2.26E7



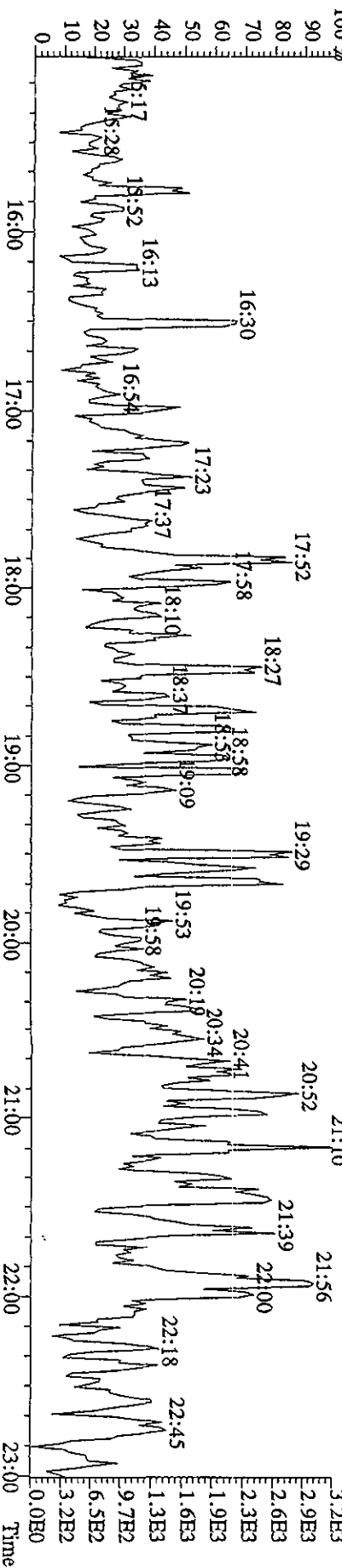
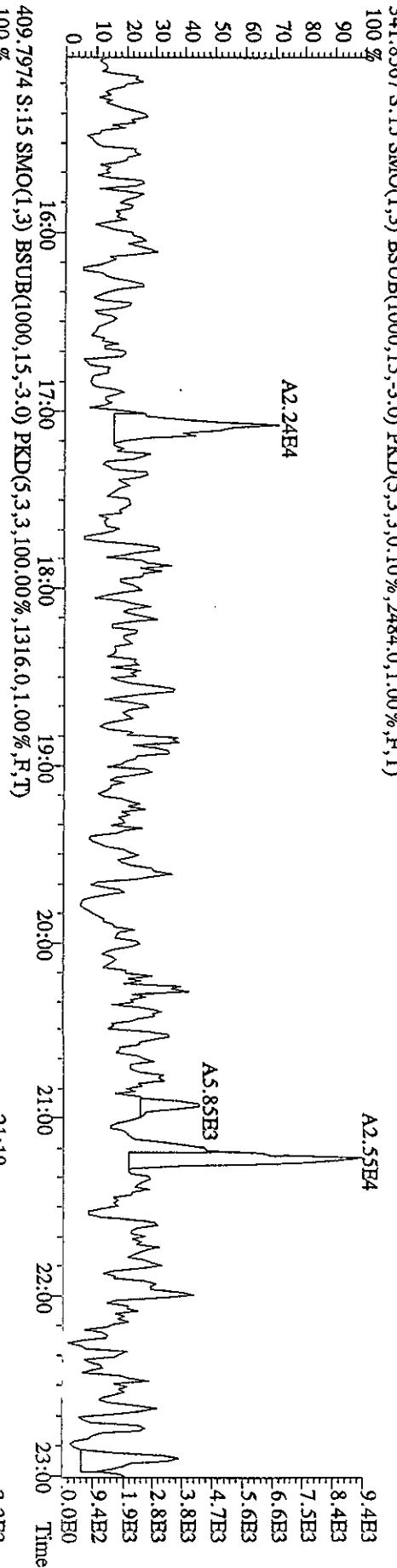
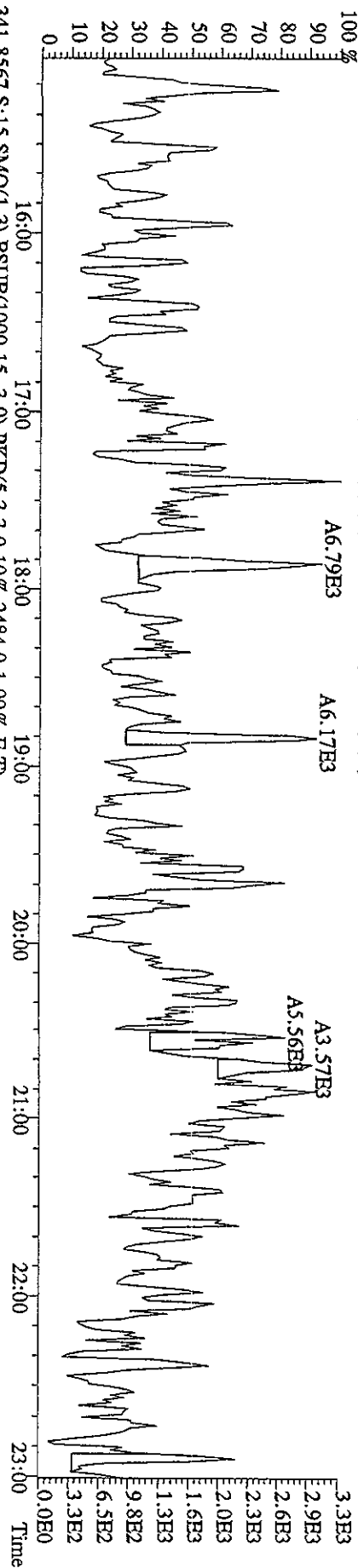
351.9000 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8900.0,1.00%,F,T)
 A6.34E7



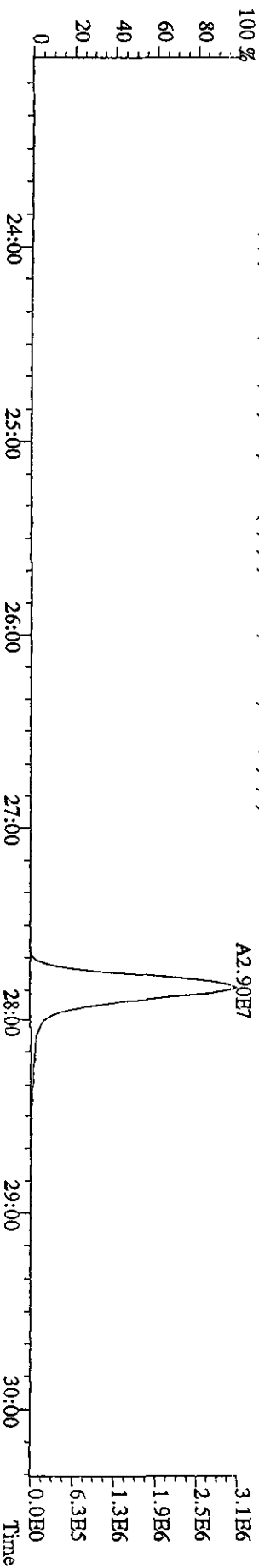
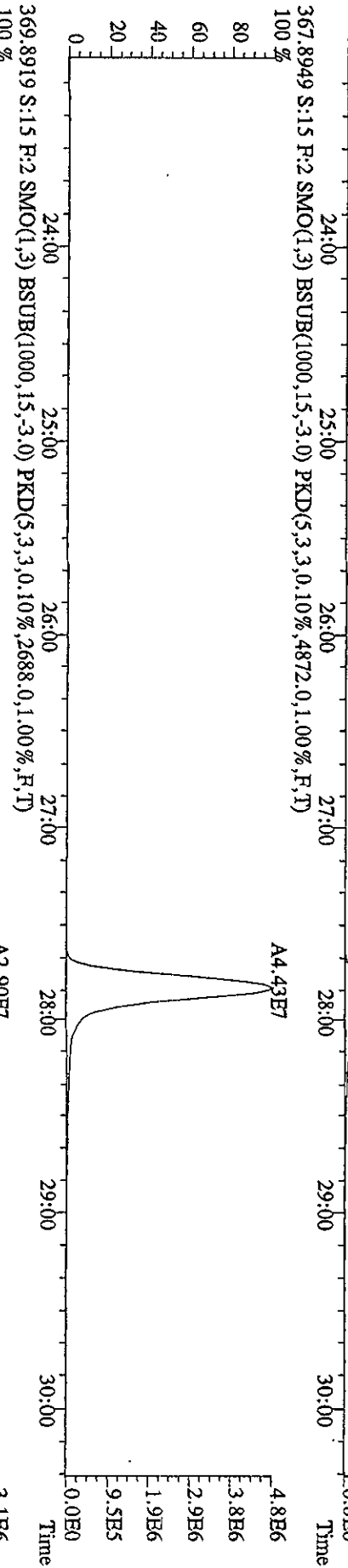
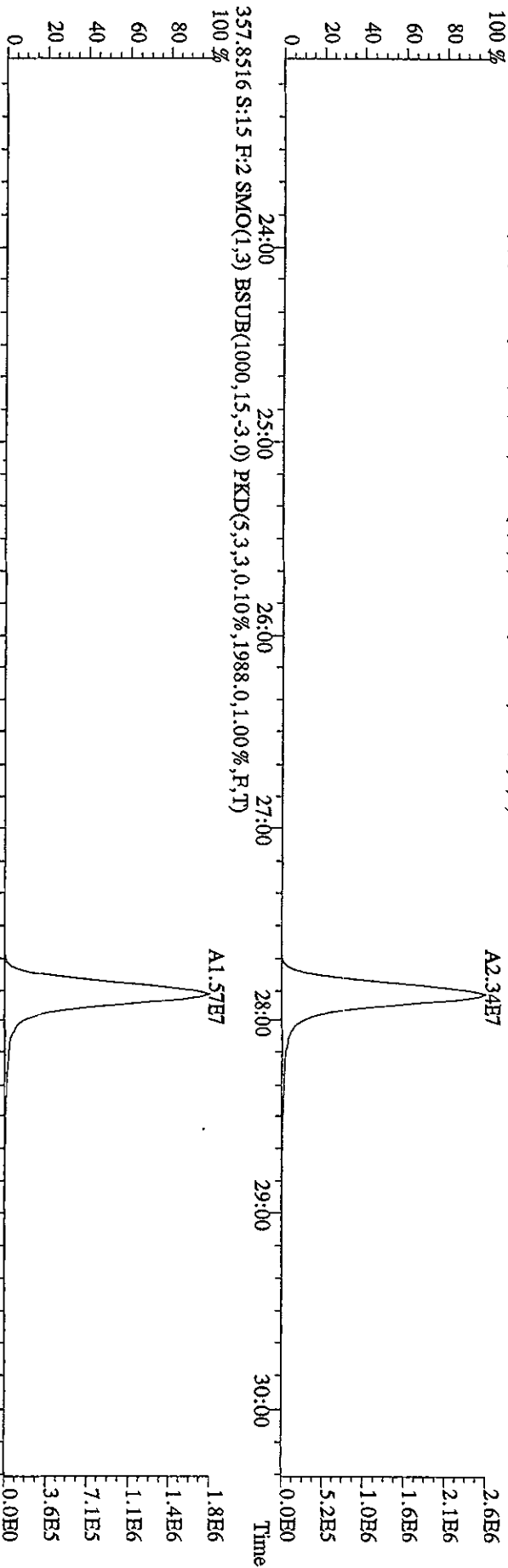
353.8970 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3844.0,1.00%,F,T)
 A4.02E7



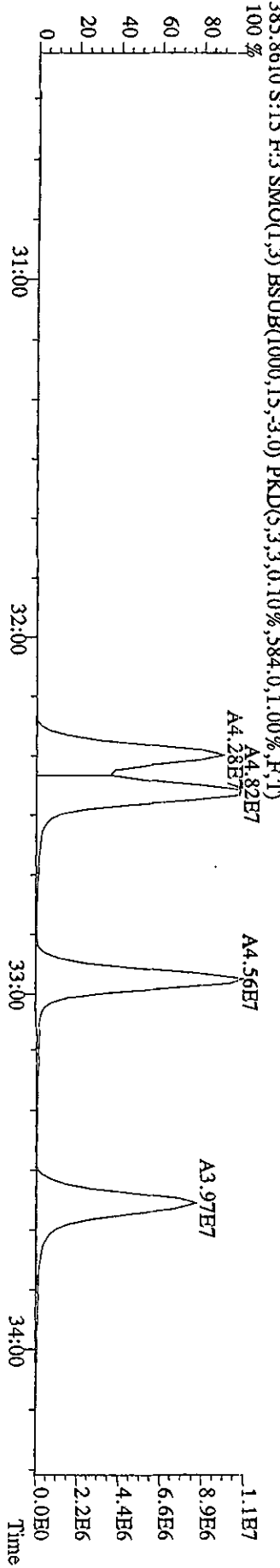
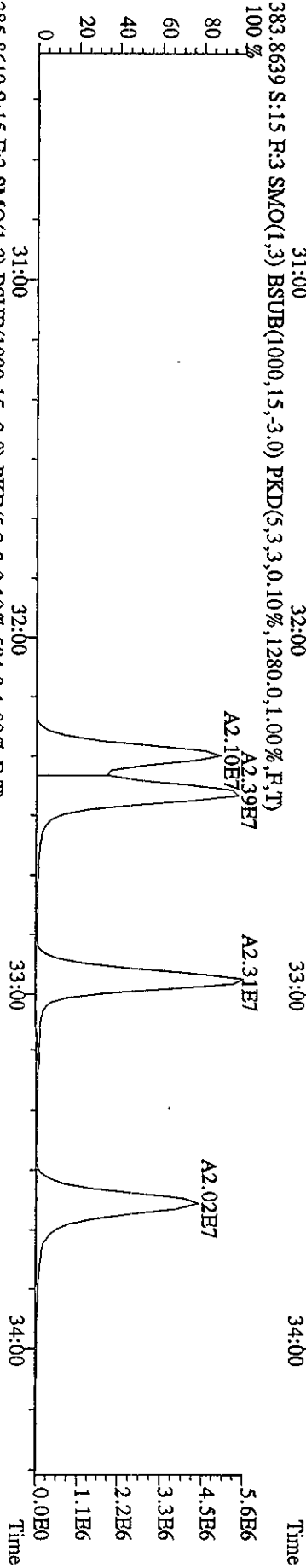
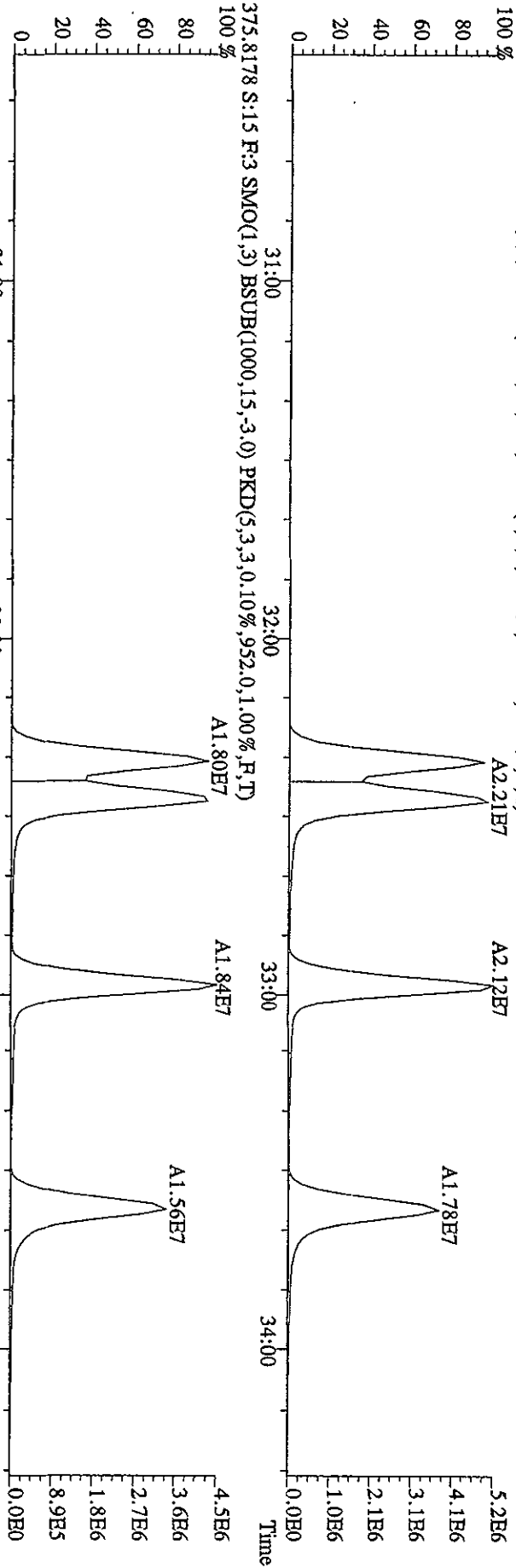
File:12OC104D5 #1-530 Acq:12-OCT-2010 20:07:08 GC BI+ Voltage SIR Autospec-UltimaB
 Sample#15 Tex:ST1012A :CS3 10DXN426 Exp:DIOXINRES
 339.8597 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,1456.0,1.00%,F,T)



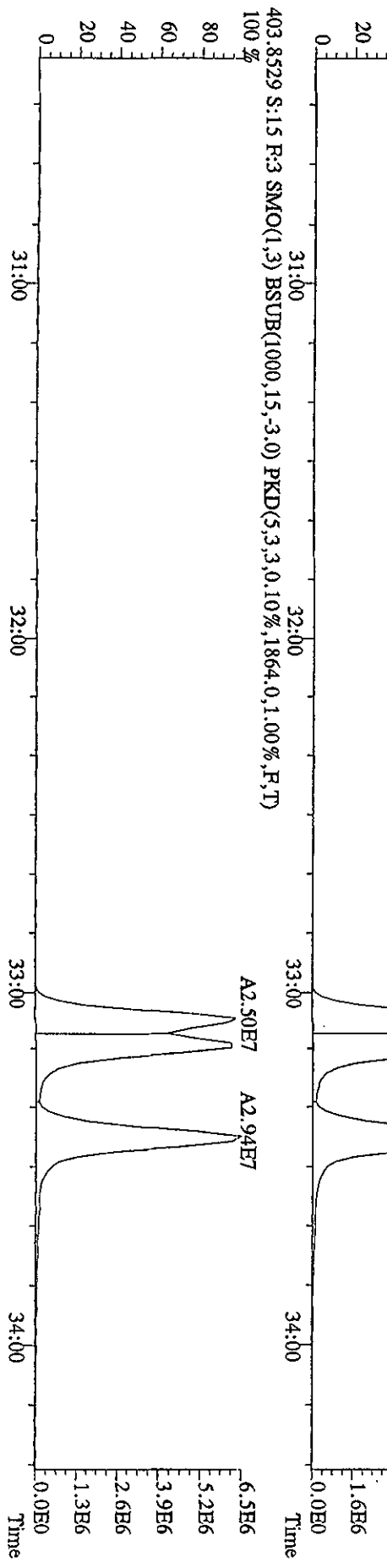
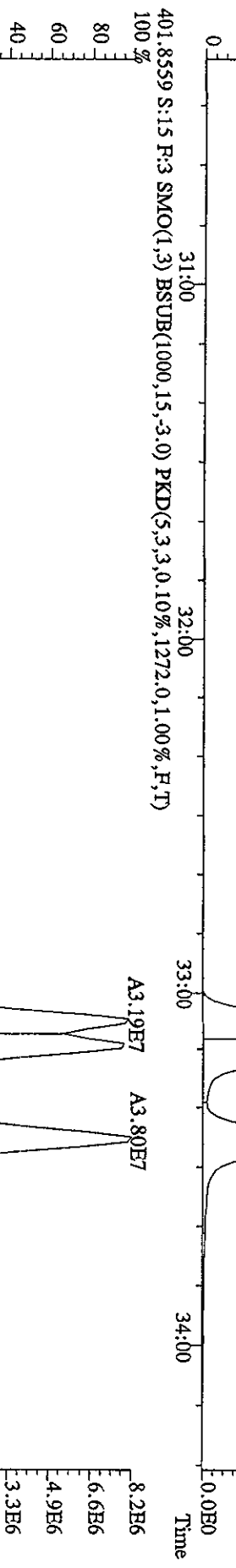
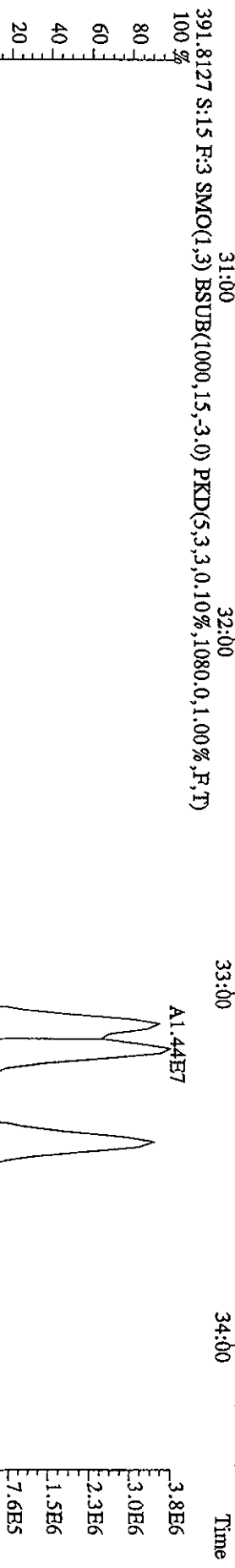
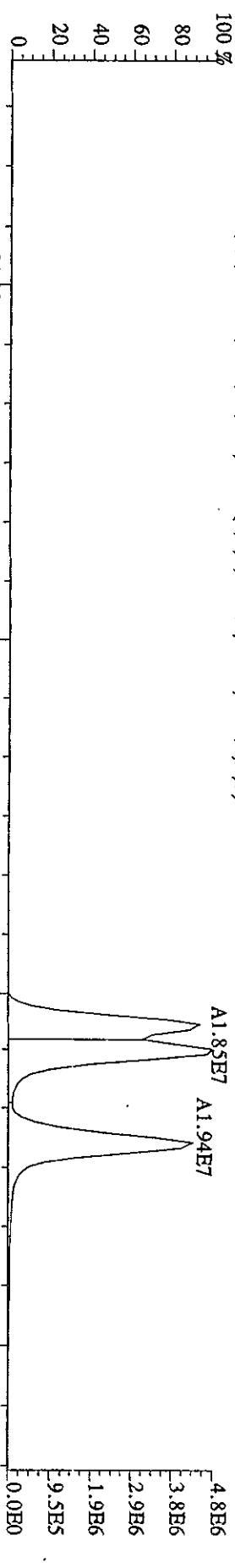
File:120C104D5 #1-470 Acq:12-OCT-2010 20:07:08 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#15 Text:ST1012A :CS3 10DXN426 Exp:DIOXINRES
 355.8546 S:15 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2176,0,1,00%,F,T)
 100%



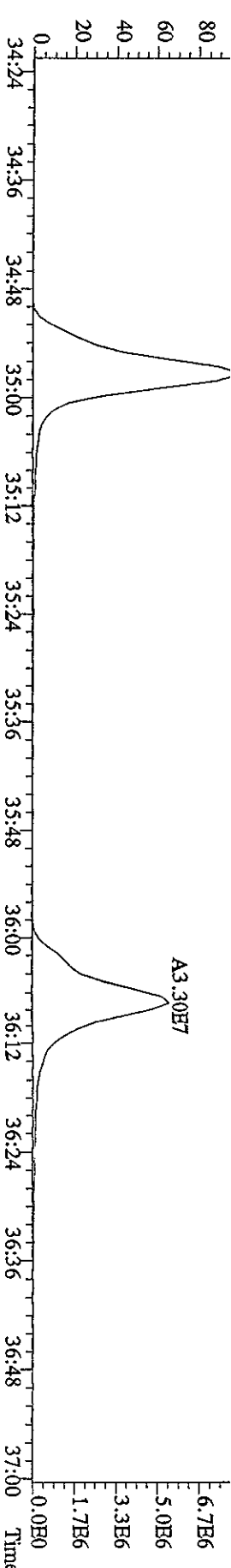
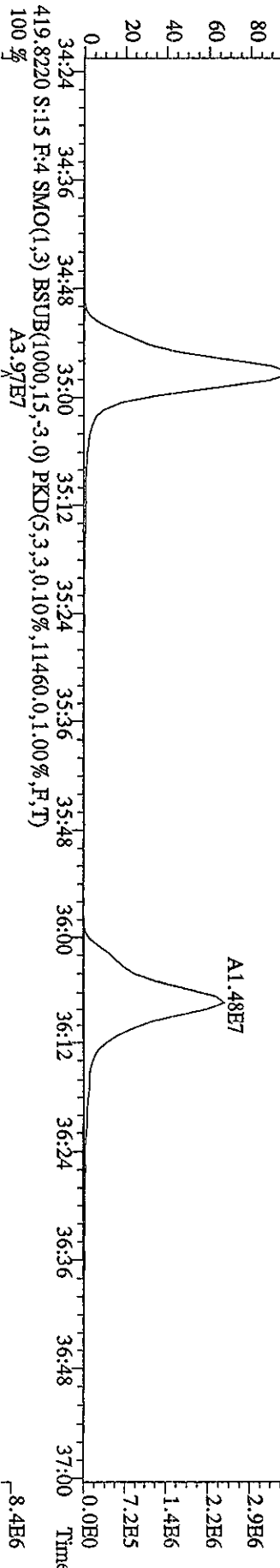
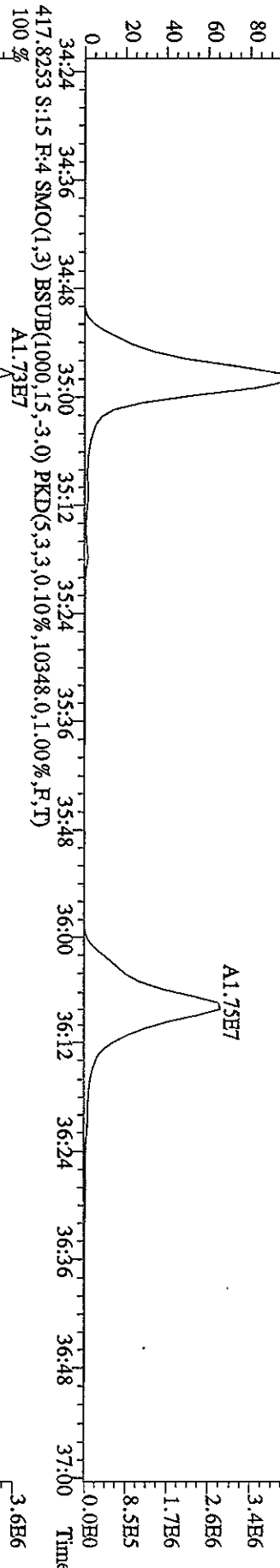
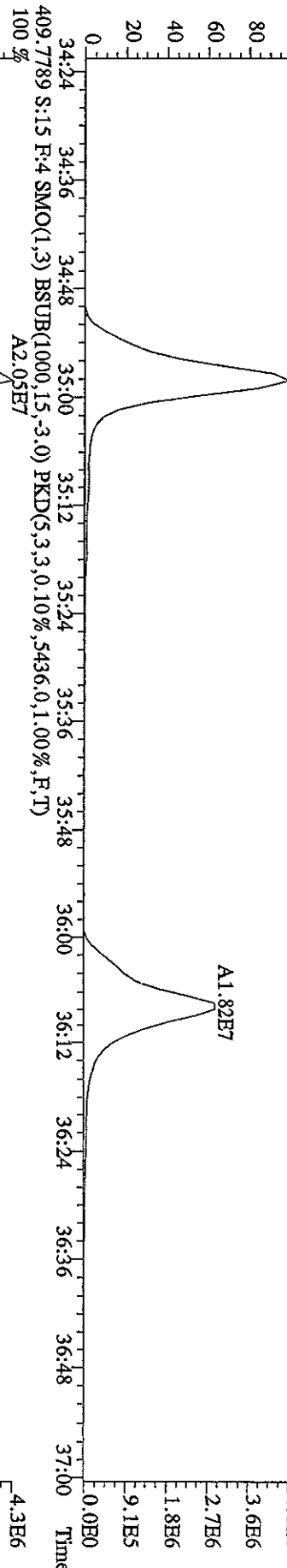
File: 120C104D5 #1-287 Acq: 12-OCT-2010 20:07:08 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#15 Text: ST1012A :CS3 10DXN426 Exp: DIOXINRES
 373.8208 S:15 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1300,0,1,00%,F,T)
 100%



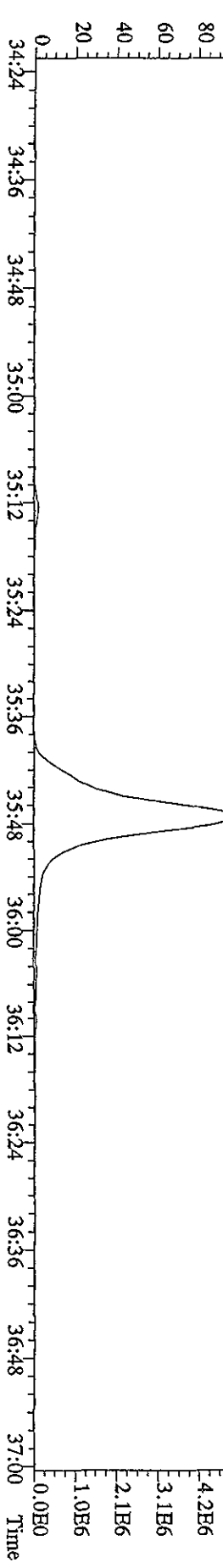
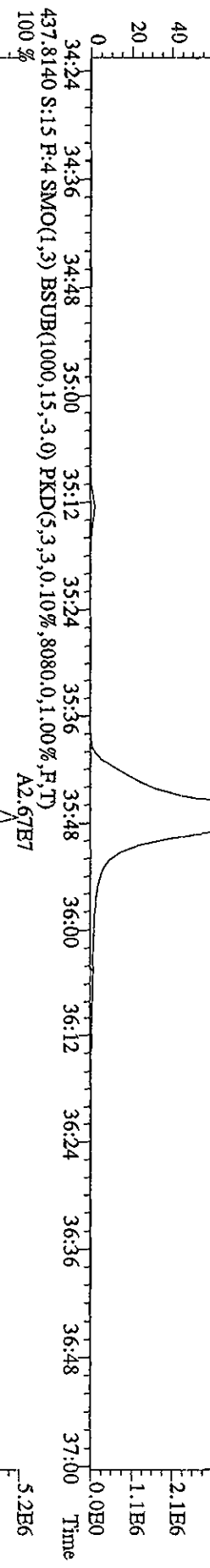
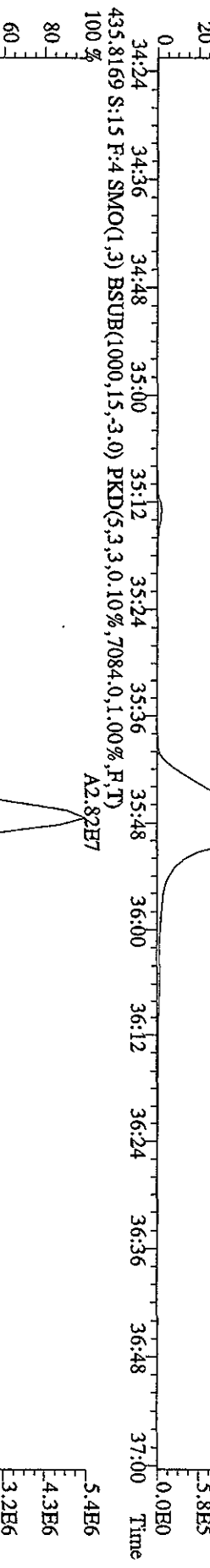
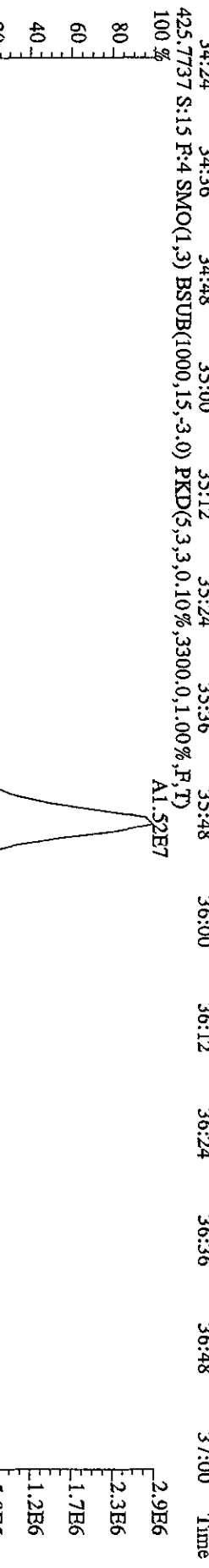
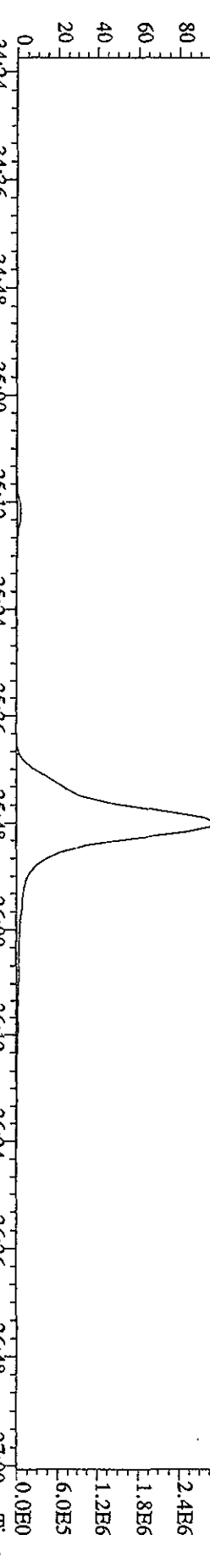
File: 12OC104D5 #1-287 Acq: 12-OCT-2010 20:07:08 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#15 Text: ST1012A :CS3 10DXN426 Exp: DIOXINRES
 389.8157 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,780.0,1.00%,F,T)
 100%



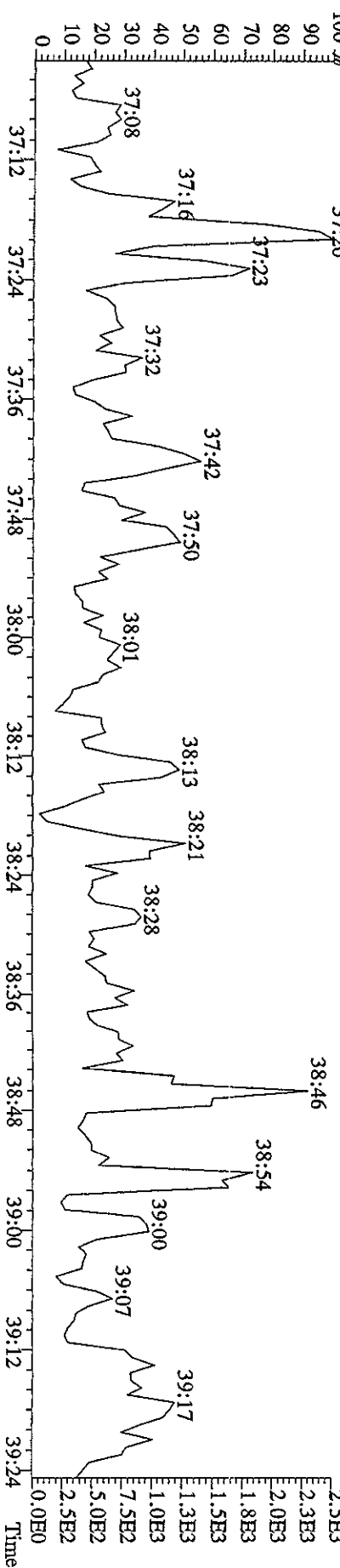
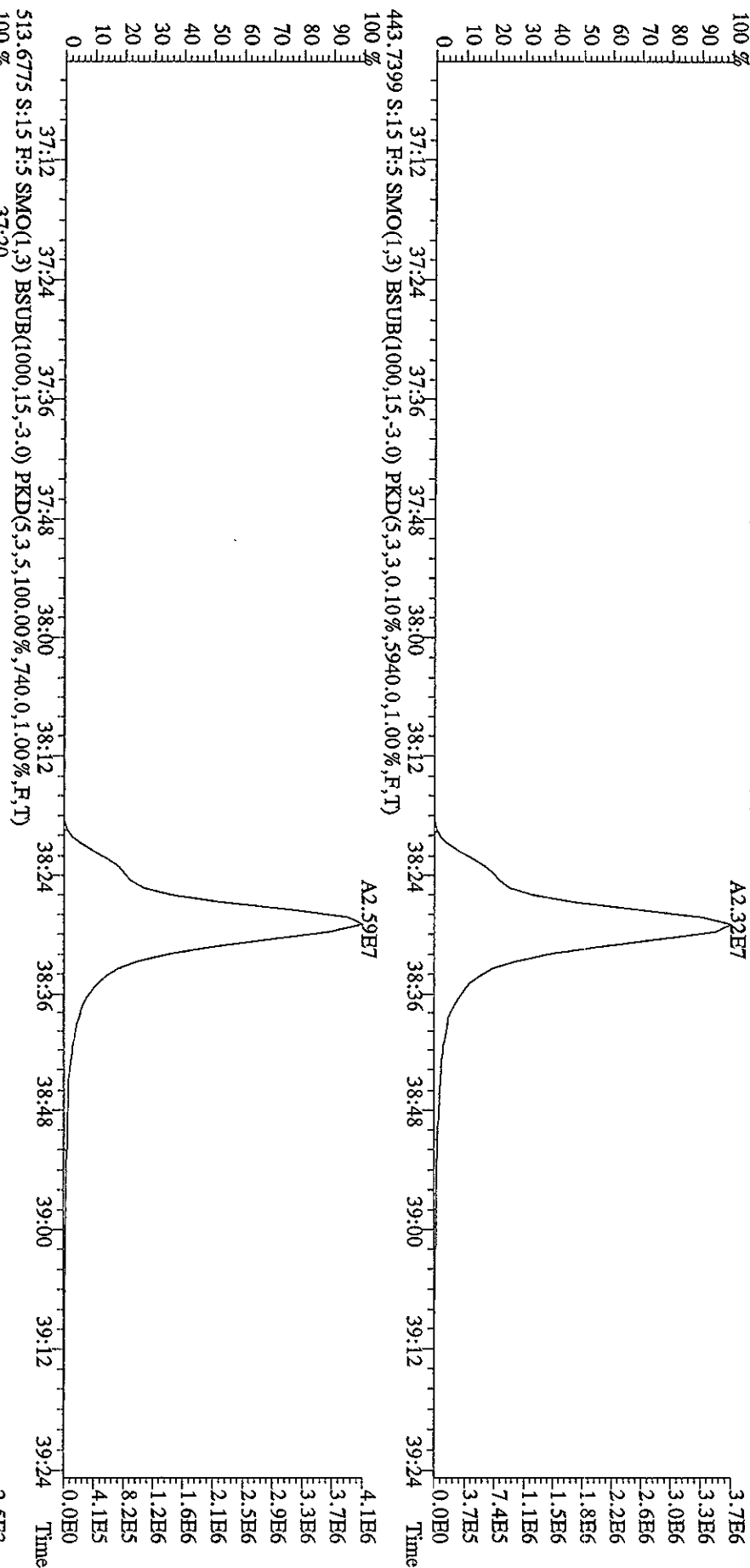
File:12OCC104D5 #1-200 Acq:12-OCT-2010 20:07:08 GC EI + Voltage SIR Autospec-UtimaB
 Sample#15 Text:ST1012A :CS3 10DXN426 Exp:DIOXINRES
 407.7818 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4508.0,1.00%,F,T)
 100 % A2.21E7



File:120C104D5 #1-200 Acq:12-OCT-2010 20:07:08 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 Text:ST1012A :CS3 10DXN426 Exp:DIOXINES
 423.7766 S:15 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3068,0,1.00%,F,T)
 100%



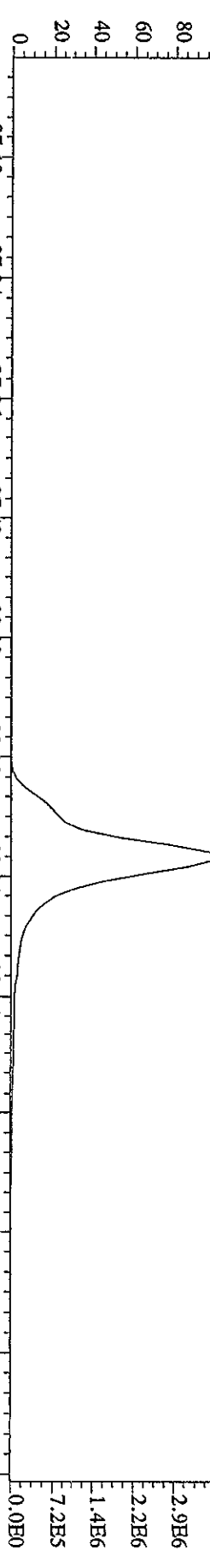
File:12OC104D5 #1-193 Acq:12-OCT-2010 20:07:08 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#15 Text:ST1012A :CSS 10DXN426 Exp:DIOXINRES
 441.7428 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,1108.0,1.00%,F,T)



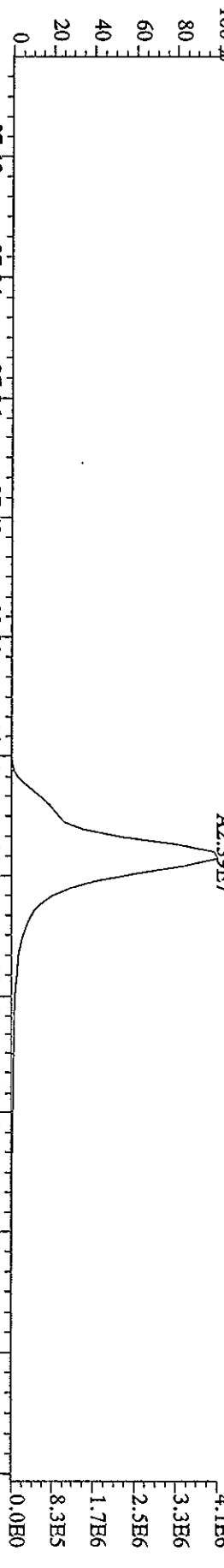
File:120C104D5 #1-193 Acq:12-OCT-2010 20:07:08 GC EI+ Voltage SIR Autospec-UltimaB

Sample#15 Text:ST1012A :CSS 10DXN426 Exp:DIOXINRES

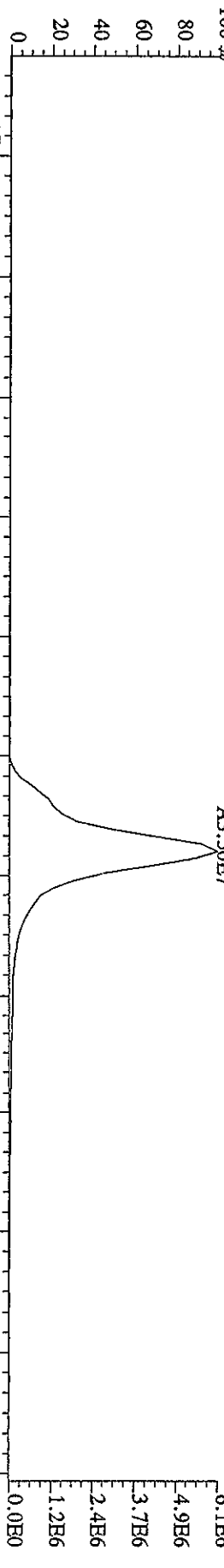
457.7377 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,944.0,1.00%,F,T)



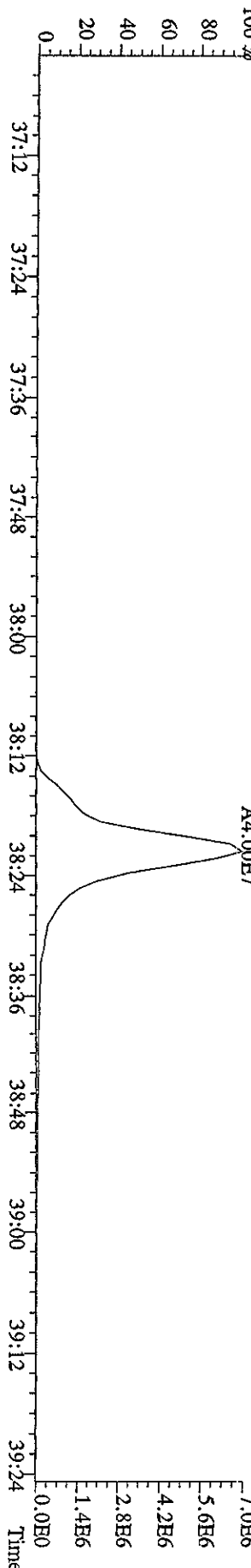
459.7348 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,944.0,1.00%,F,T)



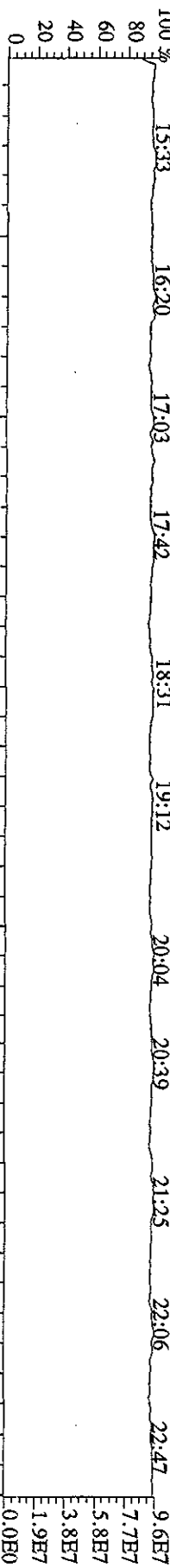
469.7779 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3104.0,1.00%,F,T)



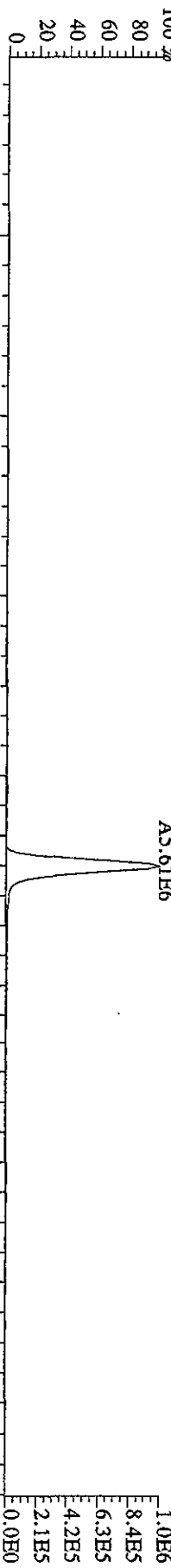
471.7750 S:15 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2404.0,1.00%,F,T)



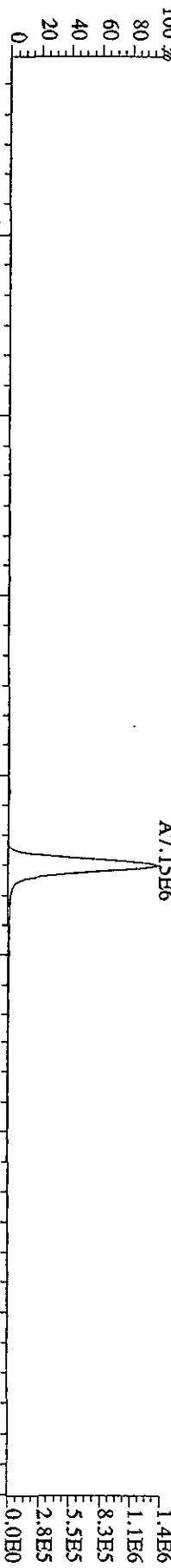
File: 12OCT104D5 #1-530 Acq: 12-OCT-2010 20:07:08 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#15 Text: ST1012A :CS3 10DXN426 Exp: DIOXINRES
 292.9825 S:15 SMO(1,3) PKD(5,3,5,100.00%,0,0,1.00%,F,T)
 15:33 16:20 17:03 17:42 18:31 19:12 20:04 20:39 21:25 22:06 22:47 9.6E7



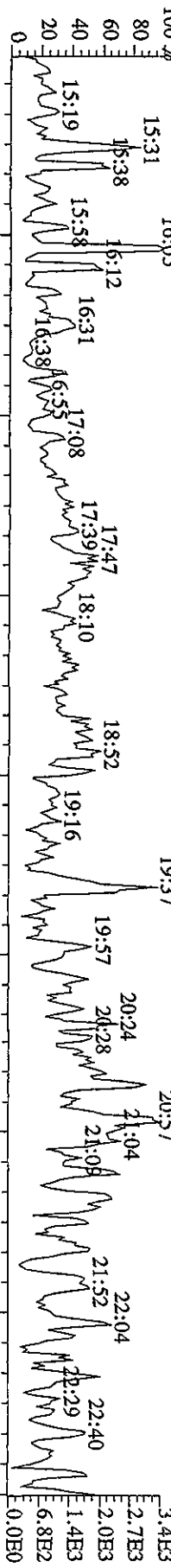
303.9016 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1808,0,1.00%,F,T)
 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00
 1.0E6 8.4E5 6.3E5 4.2E5 2.1E5 0.0E0



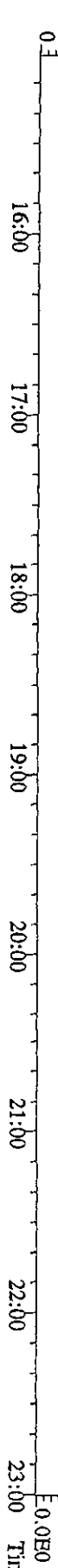
305.8987 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2612,0,1.00%,F,T)
 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00
 1.4E6 1.1E6 8.3E5 5.5E5 2.8E5 0.0E0



375.8364 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1424,0,1.00%,F,T)
 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00
 3.4E3 2.7E3 2.0E3 1.4E3 6.8E2 0.0E0

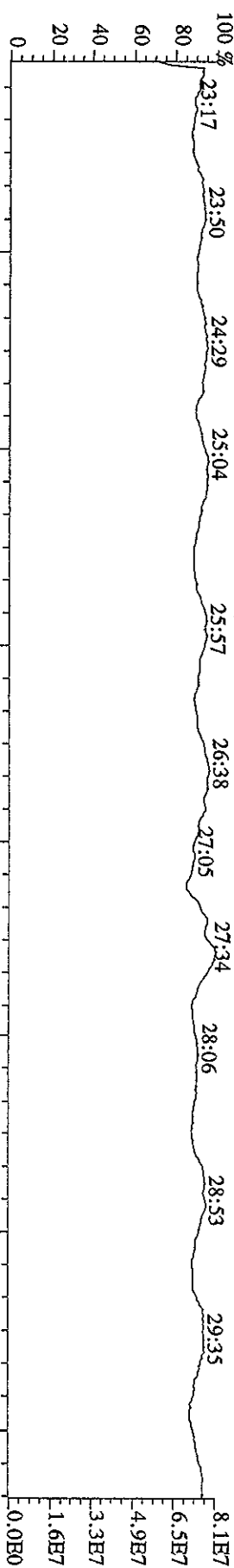


330.9792 S:15 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)
 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00
 9.4E7 7.5E7 5.7E7 3.8E7 1.9E7 0.0E0

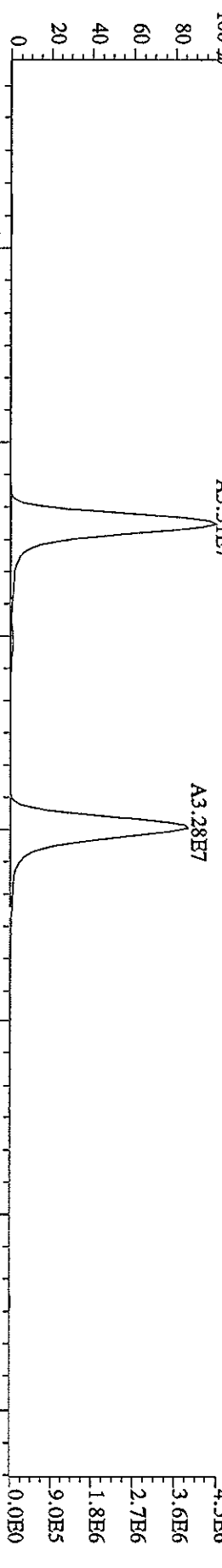


File:12OC104D5 #1-470 Acq:12-OCT-2010 20:07:08 GC HI+ Voltage SIR Autospec-UltimaB

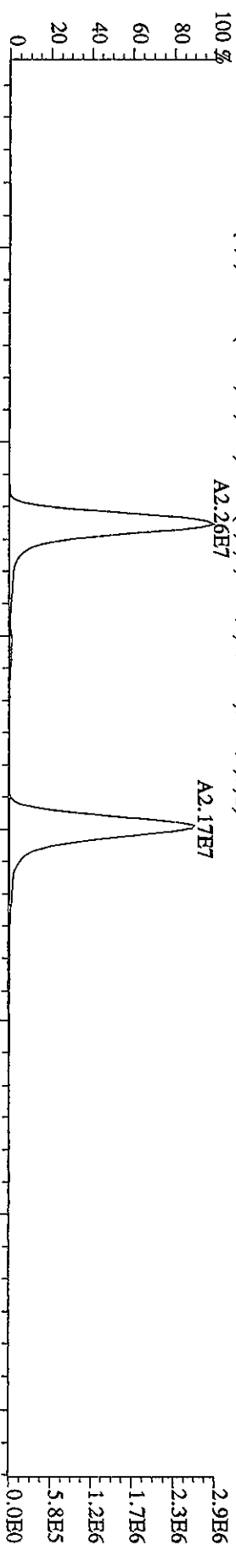
Sample#15 Text:ST1012A :CS3 10DXN426 Exp:DIOXINRES



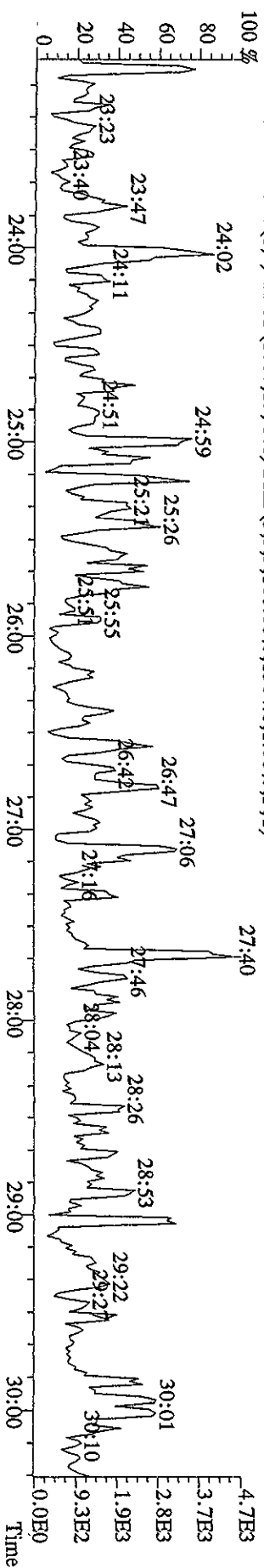
339.8597 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2396,0,1.00%,F,T)



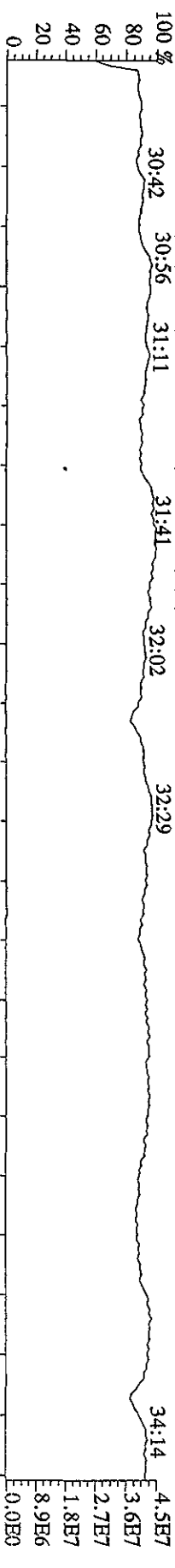
341.8567 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3752,0,1.00%,F,T)



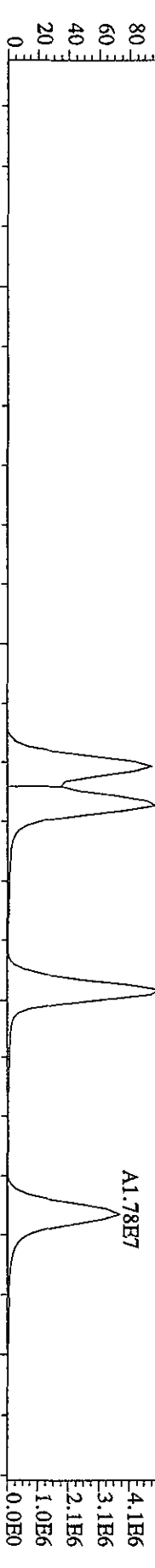
409.7974 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1364,0,1.00%,F,T)



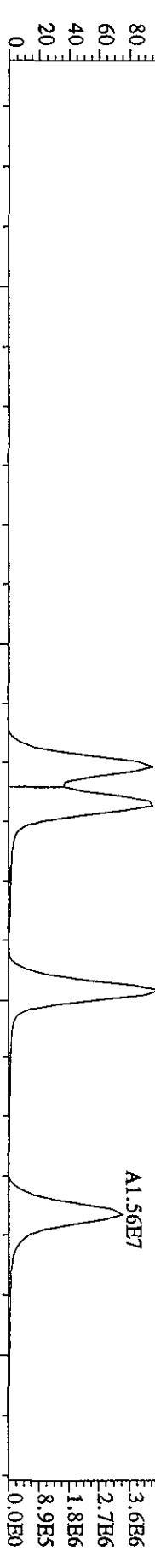
File:12OCT104D5 #1-287 Acq:12-OCT-2010 20:07:08 GC EI + Voltage SIR Autospec-UltimaB
 Sample#15 Text:ST1012A :CS3 10DXN426 Exp:DIOXINRES
 392.9760 S:15 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



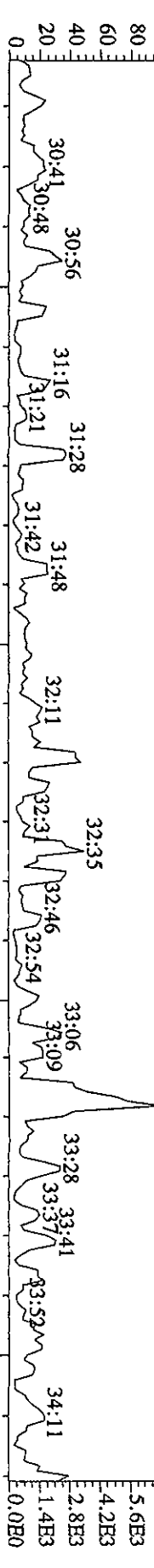
373.8208 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1300.0,1.00%,F,T)



375.8178 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,952.0,1.00%,F,T)



445.7555 S:15 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,720.0,1.00%,F,T)



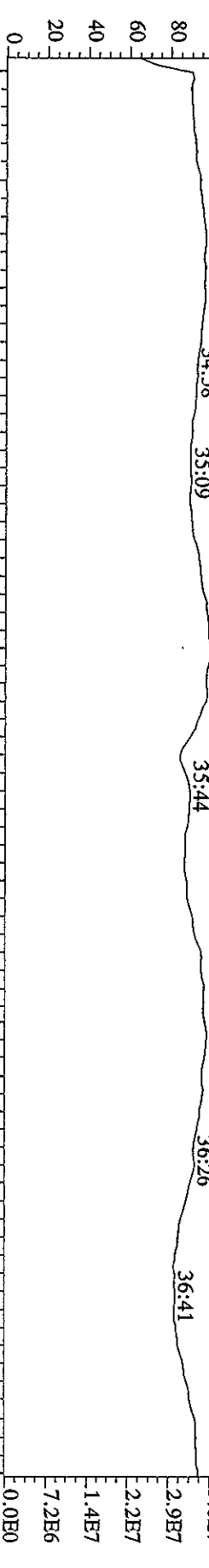
380.9760 S:15 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



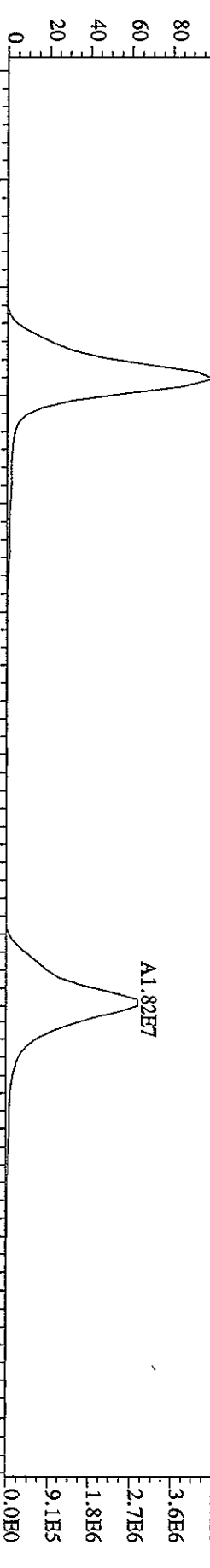
File:1200C104D5 #1-200 Acq:12-OCT-2010 20:07:08 GC EI + Voltage SIR Autospec-UltimaB

Sample#15 Text:ST1012A :CS3 10DXN426 Exp:DIOXINRES

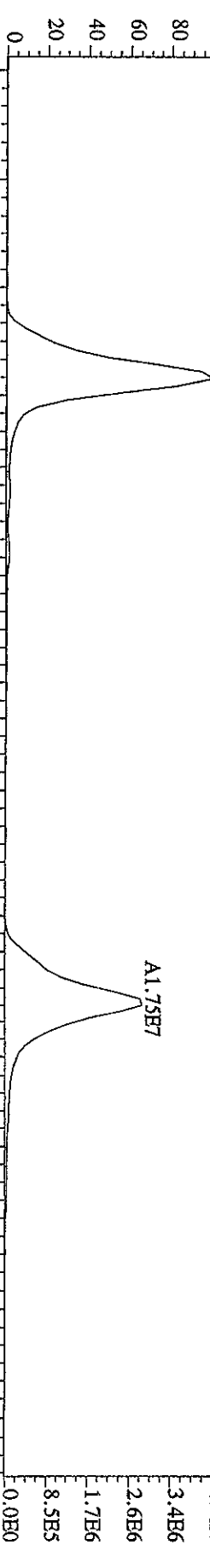
430.9728 S:15 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



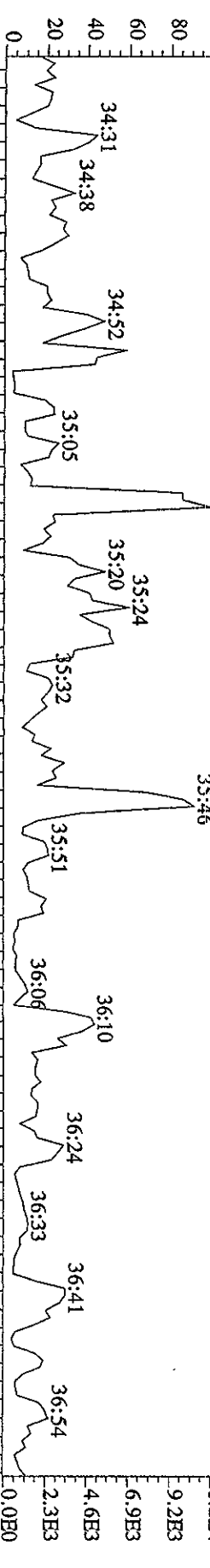
407.7818 S:15 F:4 SMO(1,3) PKD(5,3,3,0.10%,4508.0,1.00%,F,T)



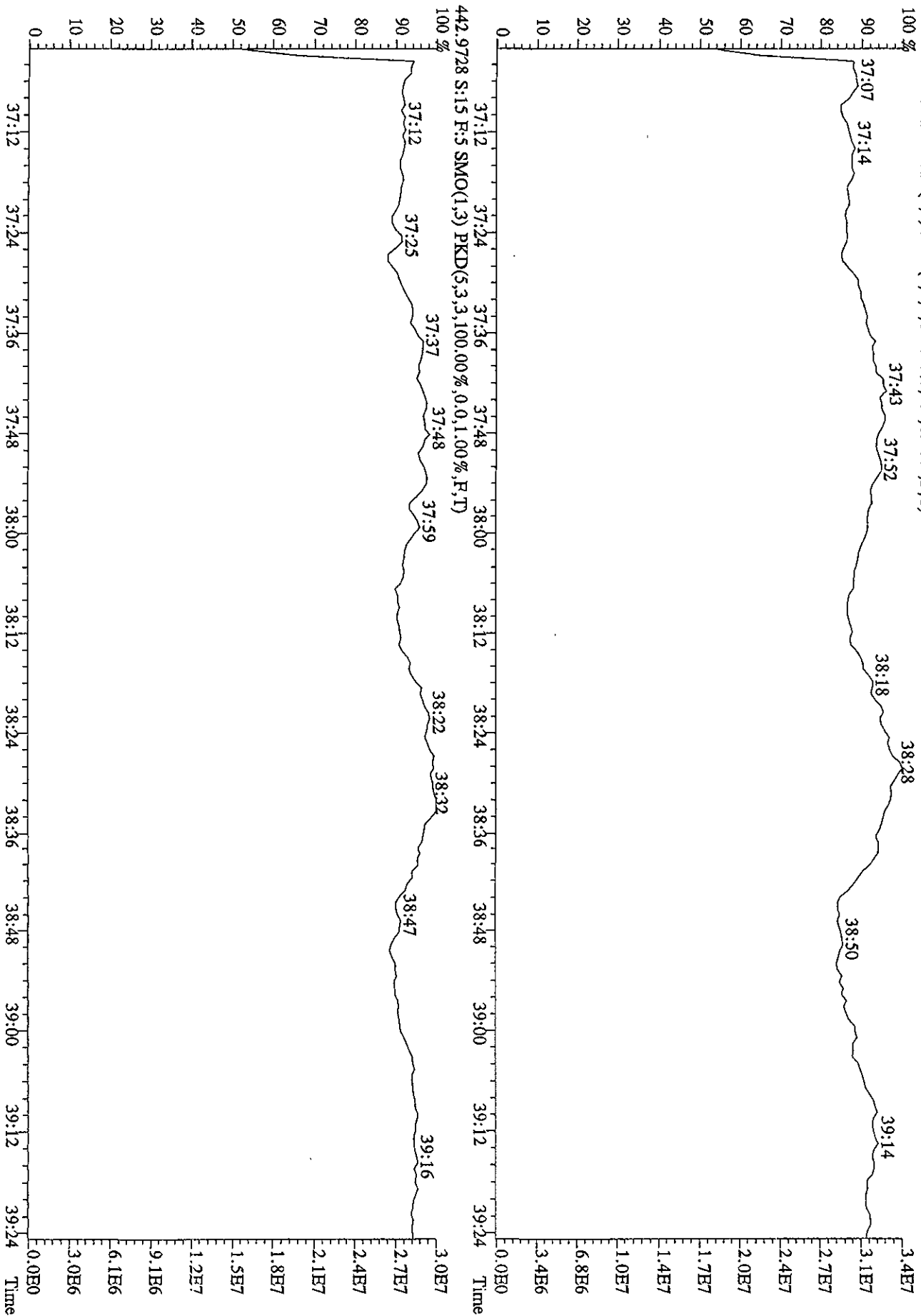
409.7789 S:15 F:4 SMO(1,3) PKD(5,3,3,0.10%,5436.0,1.00%,F,T)



479.7165 S:15 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2572.0,1.00%,F,T)



File: 1200C104D5 #1-193 Acq: 12-OCT-2010 20:07:08 GC: HI + Voltage SIR Autospec-UltimaE
 Sample#15 Text: ST1012A : CSS 10DXN426 Exp: DIOXINRES
 454.9728 S: 15 F: 5 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)



Method ID TO9 (DB225)

Associated ICAL DB225 AIR 072610 SD2 R

Column ID DB225

Instrument ID SD2

STD ID ST1010B, ST1010C

STD Solution 10 DXN 426

Analyzed by KSS, MEO

Date Analyzed 10-11-10

Std. Pkg. By AS

Date Std. Pkg. Assembled 10-12-10

Std. Pkg. Reviewed By M.G.

Date Std. Pkg. Reviewed 10/12/10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?***	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for all 1613B samples)	NA	NA

COMMENTS:

* Method 8290/TO9/M0023A: (beginning) ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.

Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.

Method 23: See Method 23 Daily Standard Criteria, Table 5.

Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,

** Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet

Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST1010B File text: ST1010B :CS3 10DXN426
 Run #14 Filename 10OC105D2 S: 37 I: 1
 Acquired: 11-OCT-10 08:14:08 Processed: 11-OCT-10 12:06:24
 Run: 10OC105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R Results: 10OC105D2DB225AIR

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	29818500	0.77 y	15:02	-	100.00	-	n
13C-2,3,7,8-TCDF	59921800	0.79 y	16:15	2.01	100.00	-4.8	n
2,3,7,8-TCDF	5959220	0.76 y	16:16	0.99	10.00	-5.8	n
13C-2,3,7,8-TCDD	28082600	0.80 y	14:44	0.94	100.00	6.5	n
2,3,7,8-TCDD	4709570	0.82 y	14:46	1.68	10.00	2.5	n
37Cl-2,3,7,8-TCDD	4692920	1.00 y	14:46	1.67	10.00	14.6	n

Run text: ST1010C File text: ST1010C :CS3 10DXN426
 Run #16 Filename 10OC105D2 S: 52 I: 1
 Acquired: 11-OCT-10 17:17:12 Processed: 11-OCT-10 17:38:11
 Run: 10OC105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R Results: 10OC105D2DB225AIR

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	276480064	0.79 y	14:59	-	100.00	-	n
13C-2,3,7,8-TCDF	570064400	0.78 y	16:11	2.06	100.00	-2.3	n
2,3,7,8-TCDF	53377818	0.80 y	16:12	0.94	10.00	-11.3	n
13C-2,3,7,8-TCDD	252050384	0.79 y	14:42	0.91	100.00	3.0	n
2,3,7,8-TCDD	43009554	0.79 y	14:44	1.71	10.00	4.3	n
37Cl-2,3,7,8-TCDD	39763100	1.00 y	14:43	1.58	10.00	8.2	n

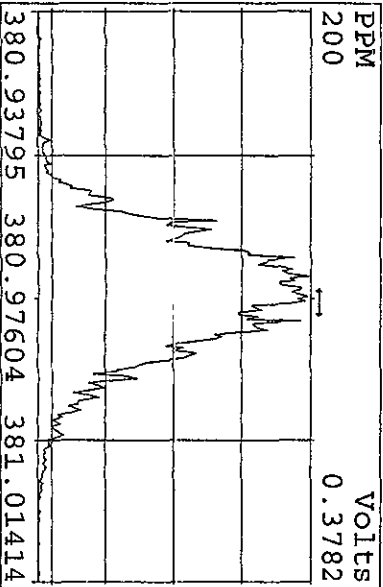
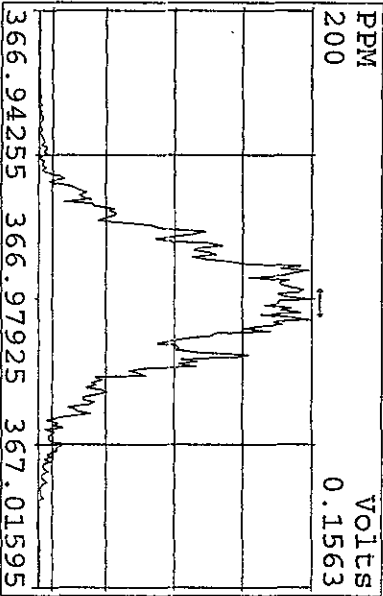
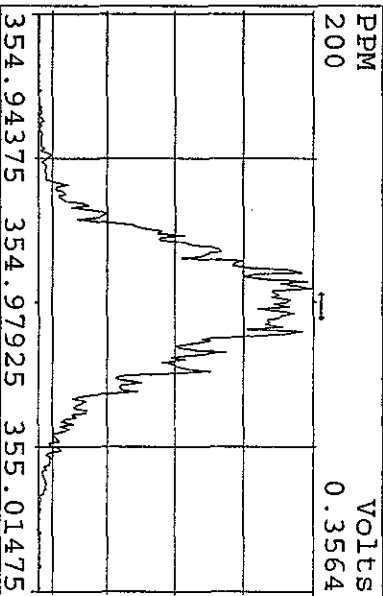
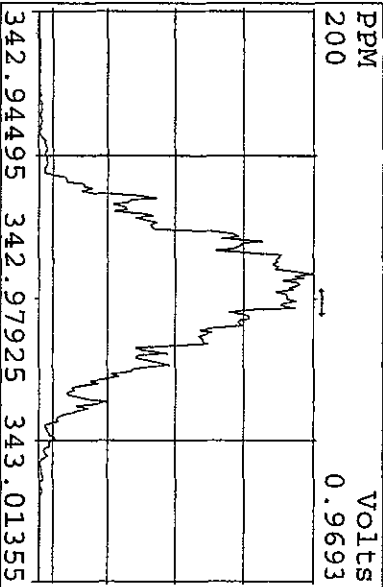
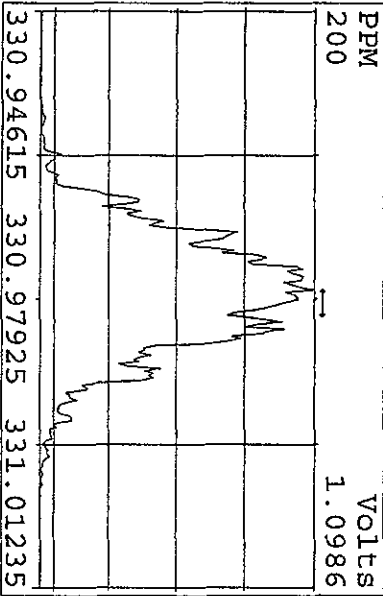
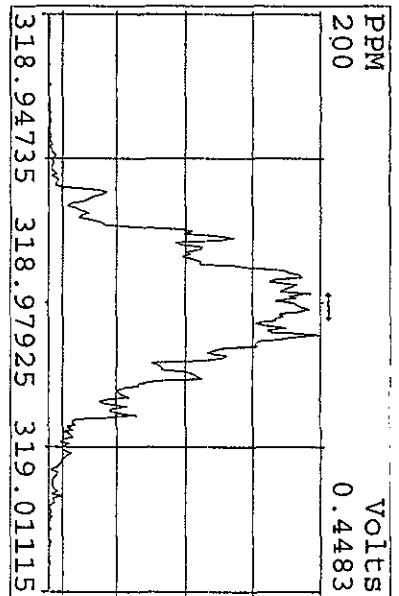
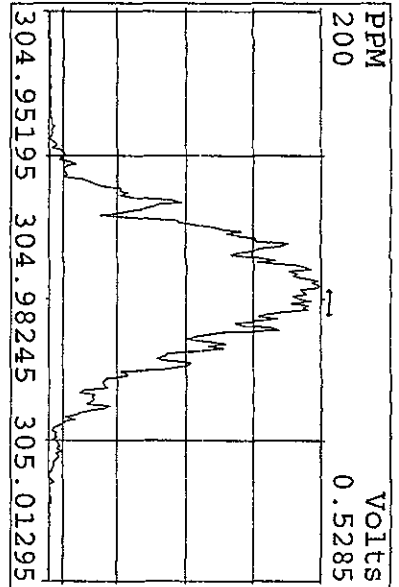
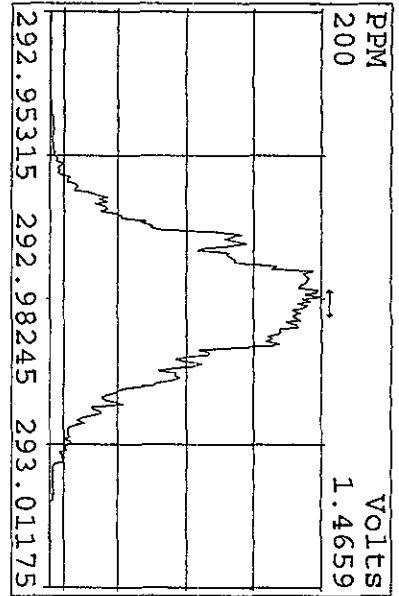
data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
10OC105D2	1	CP1010	DB-225 CPSM 3732-06				1.0000	
10OC105D2	2	ST1010	CS3 10DXN426				1.0000	
10OC105D2	3	SB1010	Solvent Blank C-14				1.0000	
10OC105D2	4	L6LTA-1-AC	G0I070430-13	10	8290/SOLID	52	10.5000	g
10OC105D2	5	L6LR7-1-AC	G0I070430-10	10	8290/SOLID		10.2600	g
10OC105D2	6	L6LTV-1-AC	G0I070430-16 (20X)	10	8290/SOLID		10.2800	g
10OC105D2	7	L6LTV-1-AC	G0I070430-17 (20X)	10	8290/SOLID		10.0300	g
10OC105D2	8	L6LTV-1-AC	G0I070430-22 (20X)	10	8290/SOLID		9.8200	g
10OC105D2	9	L6LVA-1-AC	G0I070430-24	10	8290/SOLID		10.0100	g
10OC105D2	10	L6LVJ-1-AC	G0I070430-27 (10X)	10	8290/SOLID		10.3300	g
10OC105D2	11	L6LR2-1-AC	G0I070430-6 (20X)	10	8290/SOLID		10.1500	g
10OC105D2	12	L6LRP-1-AC	G0I070430-1 (20X)	10	8290/SOLID		9.6500	g
10OC105D2	13	L6LR0-1-AC	G0I070430-5 (20X)	10	8290/SOLID		9.7000	g
10OC105D2	14	L6LR9-1-AC	G0I070430-12	10	8290/SOLID		10.0300	g
10OC105D2	15	L6LT0-1-AC	G0I070430-19	10	8290/SOLID		10.4600	g
10OC105D2	16	L6LT0-1-ADS	G0I070430-19MS	10	8290/SOLID		9.8500	g
10OC105D2	17	L6LT0-1-AED	G0I070430-19MSD	10	8290/SOLID		9.7800	g
10OC105D2	18	SB1010A	Solvent Blank C-14				1.0000	
10OC105D2	19	ST1010A	CS3 10DXN426				1.0000	
10OC105D2	20	CP1010A	DB-225 CPSM 3732-06				1.0000	
10OC105D2	21	SB1010B	Solvent Blank C-14				1.0000	
10OC105D2	22	L6LRV-1-AC	G0I070430-2 (10X)	10	8290/SOLID	52	10.5100	g
10OC105D2	23	L6LR6-1-AC	G0I070430-9	10	8290/SOLID		9.8800	g
10OC105D2	24	L6LR8-1-AC	G0I070430-11	10	8290/SOLID		9.6300	g
10OC105D2	25	L6LT8-1-AC	G0I070430-23	10	8290/SOLID		9.5000	g
10OC105D2	26	L6LR3-1-AC	G0I070430-7	10	8290/SOLID		9.9100	g
10OC105D2	27	L6LTX-1-AC	G0I070430-18	10	8290/SOLID		10.1200	g
10OC105D2	28	L6LTQ-1-AC	G0I070430-14 (50X)	10	8290/SOLID		10.2300	g
10OC105D2	29	SB1010C	Solvent Blank C-14				1.0000	
10OC105D2	30	L7MFA-1-AC	G0I280575-19	20	TO-9/AIR	69	0.5000	Sam
10OC105D2	31	L7ME3-1-AC	G0I280575-13	20	TO-9/AIR		0.5000	Sam
10OC105D2	32	L7ME7-1-AC	G0I280575-17	20	TO-9/AIR		0.5000	Sam
10OC105D2	33	L7MEC-1-AC	G0I280575-1	20	TO-9/AIR		0.5000	Sam
10OC105D2	34	L7MEN-1-AC	G0I280575-5	20	TO-9/AIR		0.5000	Sam
10OC105D2	35	L7MFE-1-AC	G0I280575-21	20	TO-9/AIR		0.5000	Sam
10OC105D2	36	L7MEV-1-AC	G0I280575-9	20	TO-9/AIR		0.5000	Sam
10OC105D2	37	ST1010B	CS3 10DXN426				1.0000	
10OC105D2	38	CP1010B	DB-225 CPSM 3732-06				1.0000	
10OC105D2	39	SB1010D	Solvent Blank C-14				1.0000	
10OC105D2	40	L6MDA-2-AD	G0I280569-2RX	20	8290/SOLID	71	10.6000	g
10OC105D2	41	L6X6N-1-AC	G0I140524-1	20	8290/SOLID	59	9.8700	g
10OC105D2	42	L6GX7-2-AA	G0I020564-2RX	20	8290/SOLID	67	10.4000	g
10OC105D2	43	L6GX9-2-AA	G0I020564-3RX	20	8290/SOLID		10.2400	g
10OC105D2	44	L6G0A-2-AA	G0I020564-4RX	20	8290/SOLID		10.5100	g
10OC105D2	45	L6G0C-2-AA	G0I020564-5RX	20	8290/SOLID		9.8600	g
10OC105D2	46	L6G0D-2-AA	G0I020564-6RX	20	8290/SOLID		10.1800	g
10OC105D2	47	L6G0E-2-AA	G0I020564-7RX	20	8290/SOLID		10.6100	g
10OC105D2	48	L6NLG-1-AA	G0I080538-1	20	8290/SOLID	67	1.0000	Wip
10OC105D2	49	L7VDE-1-AA	G0J010524-3	20	TO-9/AIR	69	0.5000	Sam
10OC105D2	50	L6JV6-1-AC	G0I030578-2	10	8290/SOLID	52	10.2400	g
10OC105D2	51	SB1010E	Solvent Blank C-14				1.0000	
10OC105D2	52	ST1010C	CS3 10DXN426				1.0000	
10OC105D2	53	CP1010C	DB-225 CPSM 3732-06				1.0000	

10OC105D2	54	SB1010F	Solvent Blank C-14					1.0000
10OC105D2	55	L7G95-2-AA	G0I240616-1RX	20	8290/SOLID	69		10.0500 g
10OC105D2	56	L63QH-2-AC	G0I160496-6RX	20	8290/SOLID	72		10.5700 g
10OC105D2	57	L63D5-2-AA	G0I160458-2RX	20	8290/SOLID			10.7400 g
10OC105D2	58	L7G78-1-A3	G0I240610-5	20	8290/SOLID	66		10.0400 g
10OC105D2	59	L7GLF-1-AU	G0I240506-1	20	8290/SOLID			10.0000 g
10OC105D2	60	L7G7X-1-AU	G0I240610-1	20	8290/SOLID			10.1300 g
10OC105D2	61	L7G76-1-A3	G0I240610-3	20	8290/SOLID			9.9800 g
10OC105D2	62	L7GME-1-A3	G0I240506-3	20	8290/SOLID			10.0900 g
10OC105D2	63	L7GMH-1-A3	G0I240506-6	20	8290/SOLID			10.0000 g
10OC105D2	64	L65H22-1-AC	G0I170509-3RX	20	8290/SOLID	72		10.2100 g
10OC105D2	65	L65H21-1-AF	G0I170509-3MS	20	8290/SOLID			10.5900 g
10OC105D2	66	L65H21-1-AG	G0I170509-3MSD	20	8290/SOLID			10.4400 g
10OC105D2	67	L6LTX-1-AC	G0I070430-18 (10X)	10	8290/SOLID	52		10.1200 g
10OC105D2	68	SB1010G	Solvent Blank C-14					1.0000
10OC105D2	69	ST1010D	CS3 10DXN426					1.0000
10OC105D2	70							1.0000
10OC105D2	71							1.0000
10OC105D2	72							1.0000
10OC105D2	73							1.0000

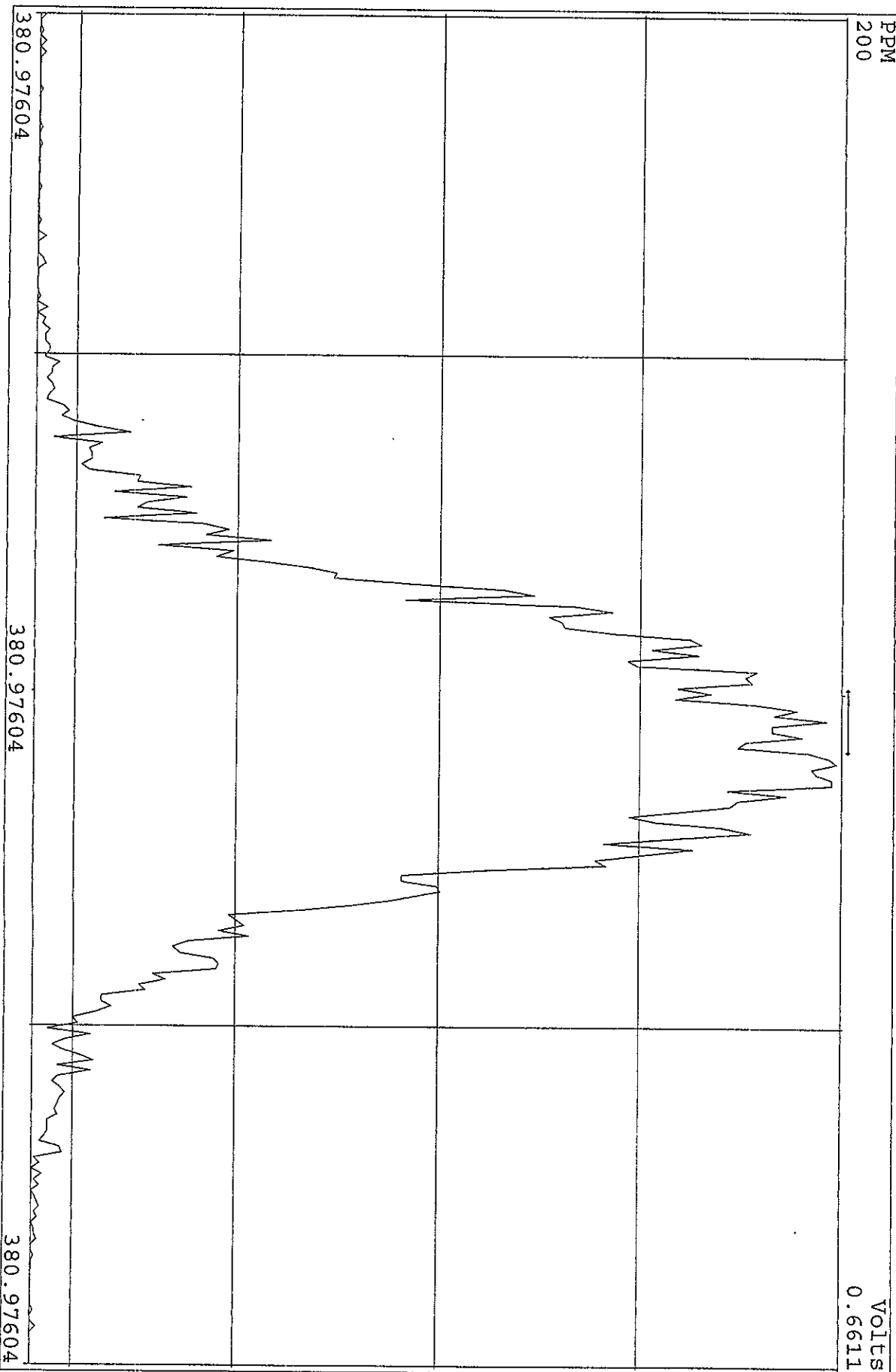
KSS, MEO 10/10/10

log file v/d
AS
10/12/10

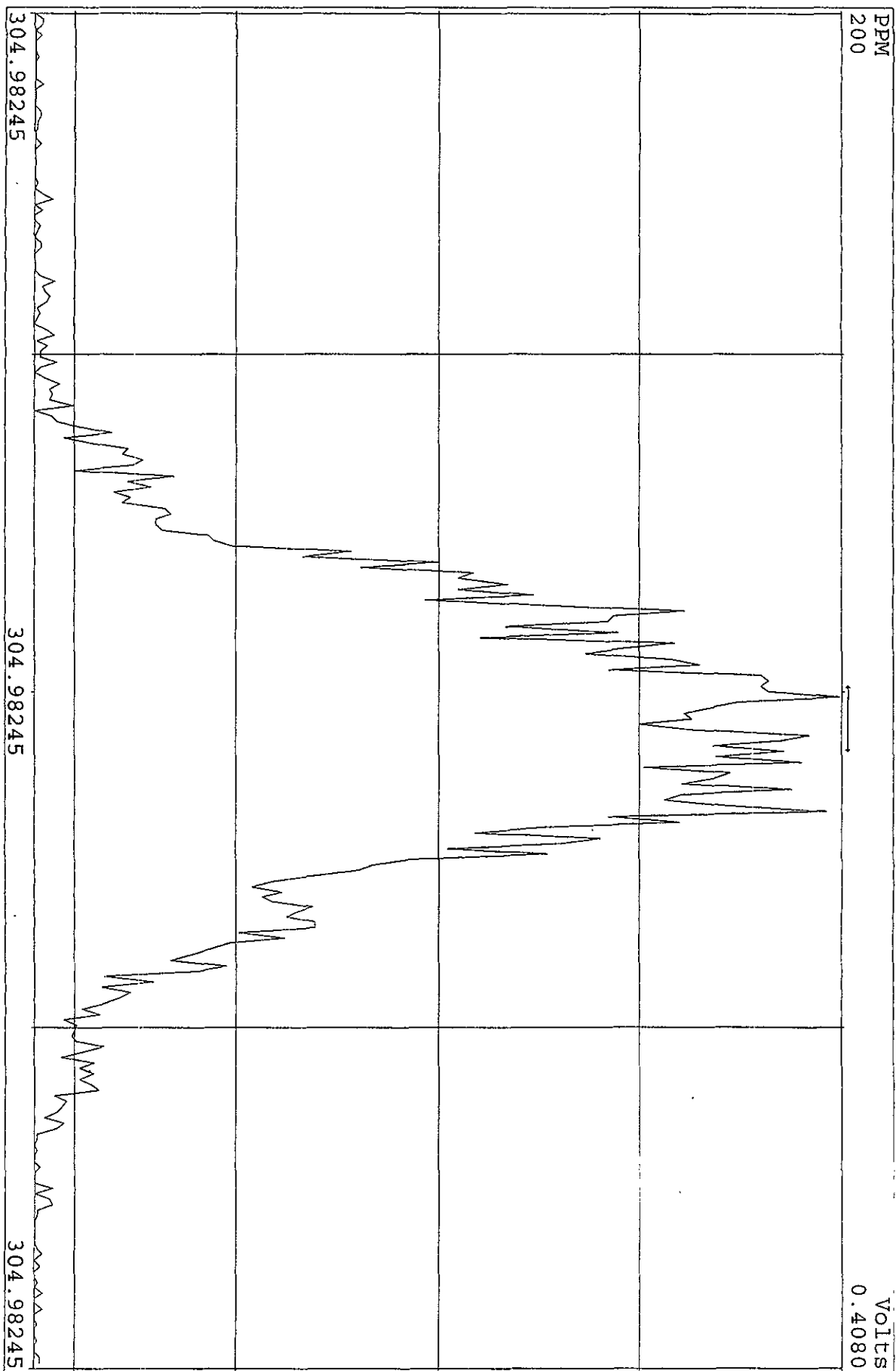
Peak Locate Examination: 10-OCT-2010:10:31 File:100C105D2
 Experiment: DB225RES Function: 1 Reference: PKF



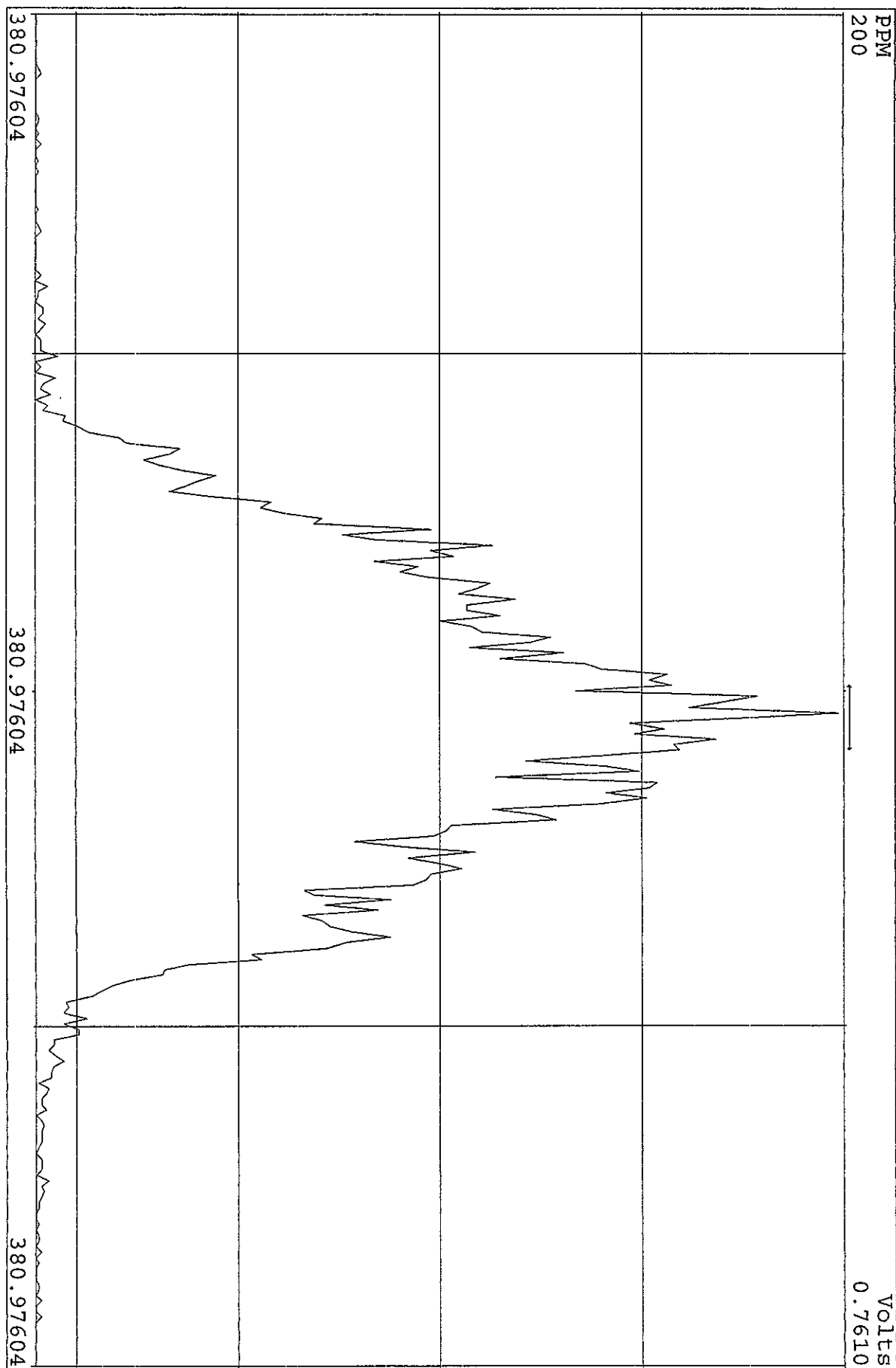
SIRLM Examination: 10-OCT-2010:21:48 File: 10OCT105D2
Experiment: DB225RHS Function: 2



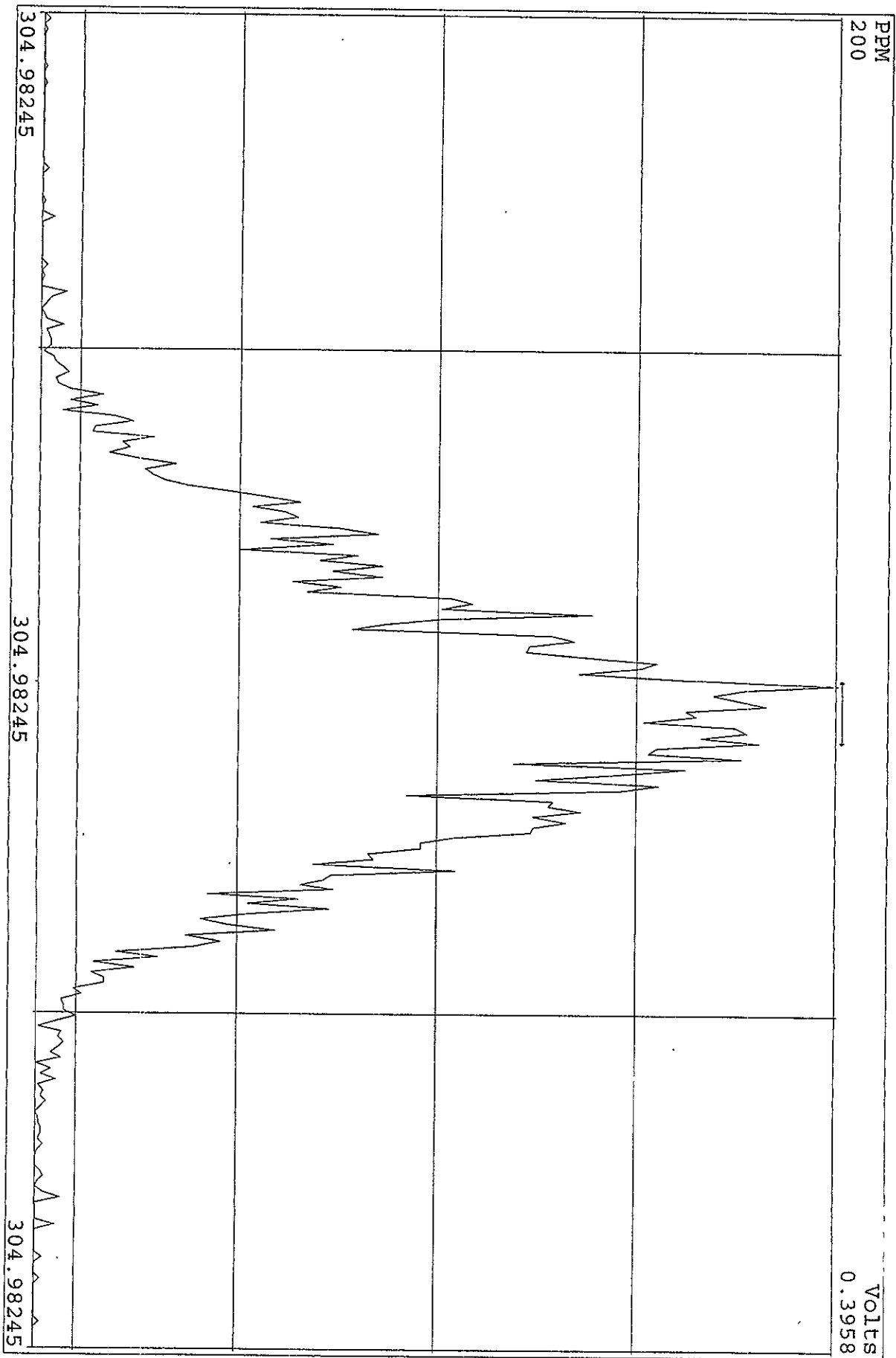
SIRLM Examination: 10-OCT-2010: 21:50 File: 100C105D2
Experiment: DB225RES Function: 3



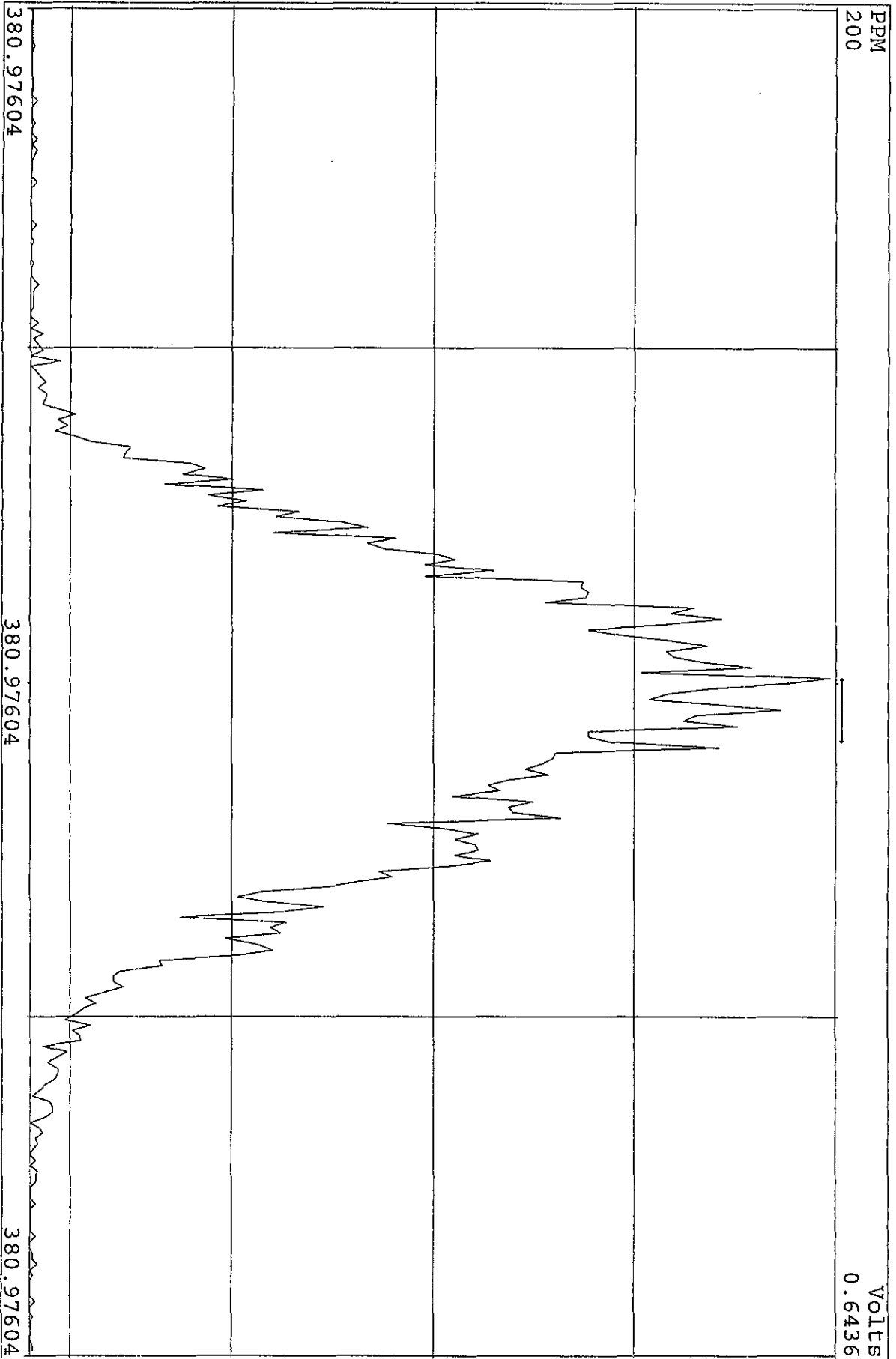
SIRIM Examination: 11-OCT-2010:08:39 File: 100C105D2
Experiment: DB225RFS Function: 2



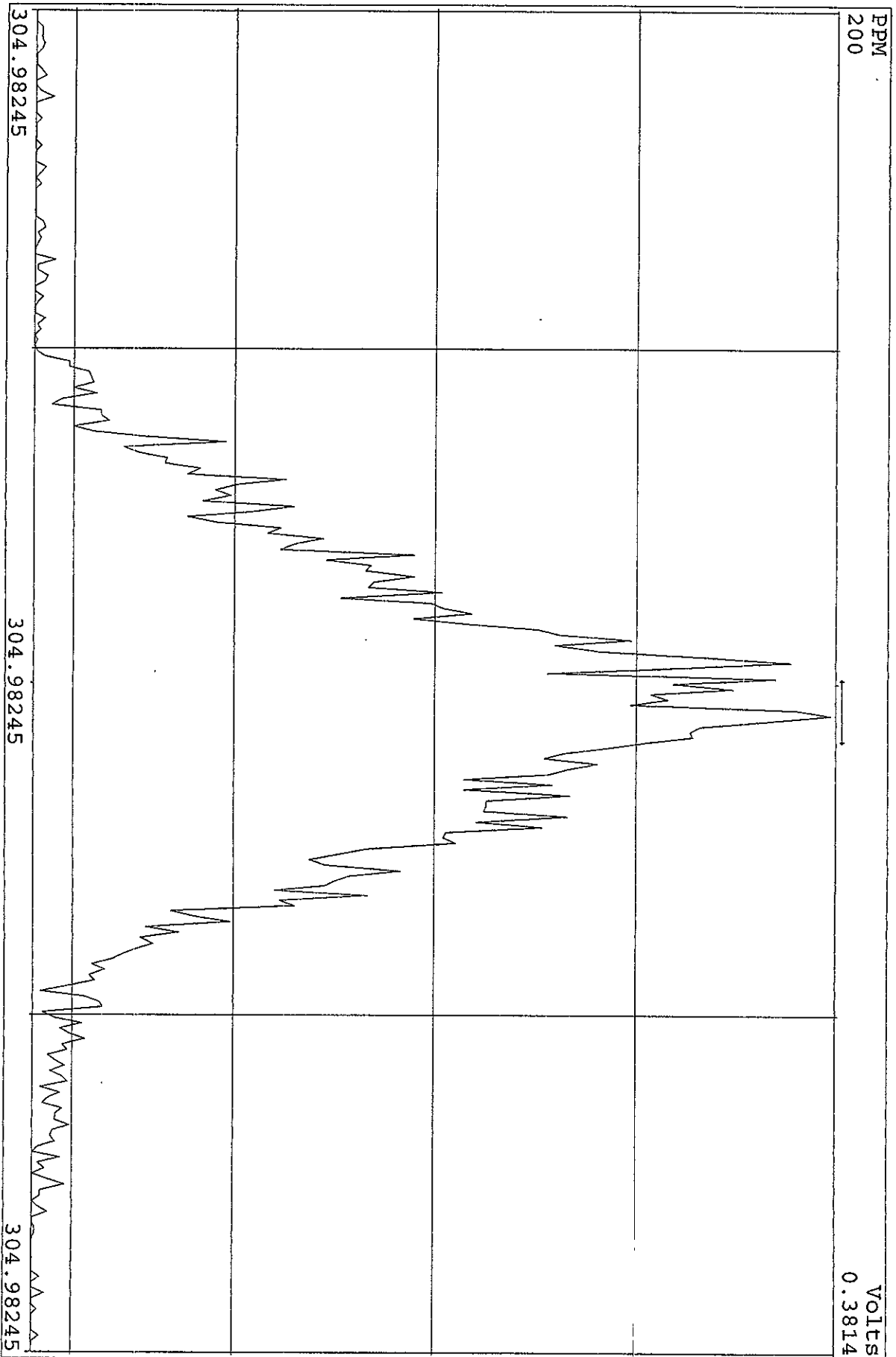
SIRLM Examination: 11-OCT-2010:08:41 File: 100C105D2
Experiment: DB225RES Function: 3



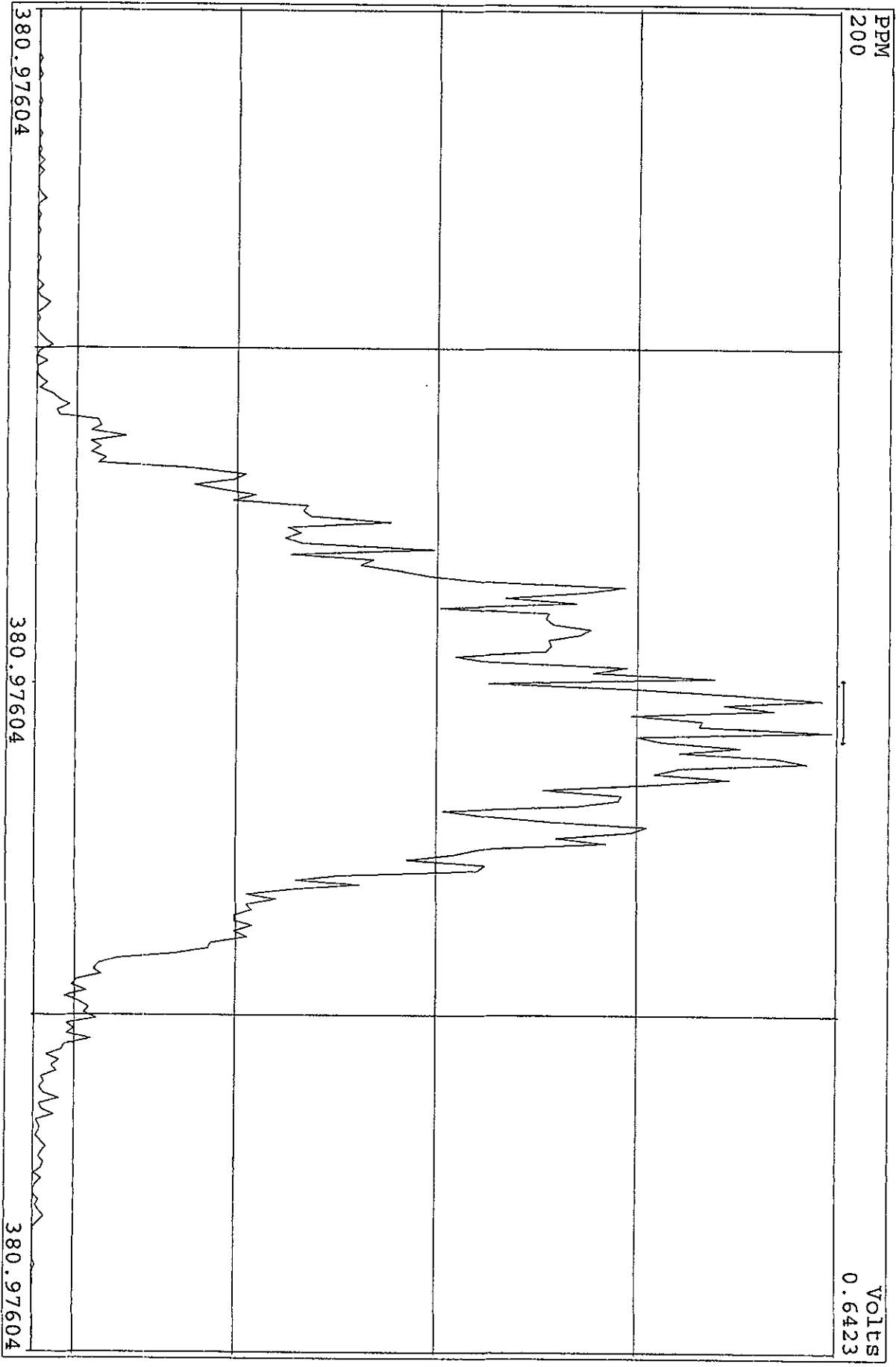
SIRLM Examination: 11-OCT-2010:17:06 File: 100C105D2
Experiment: DB225RES Function: 2



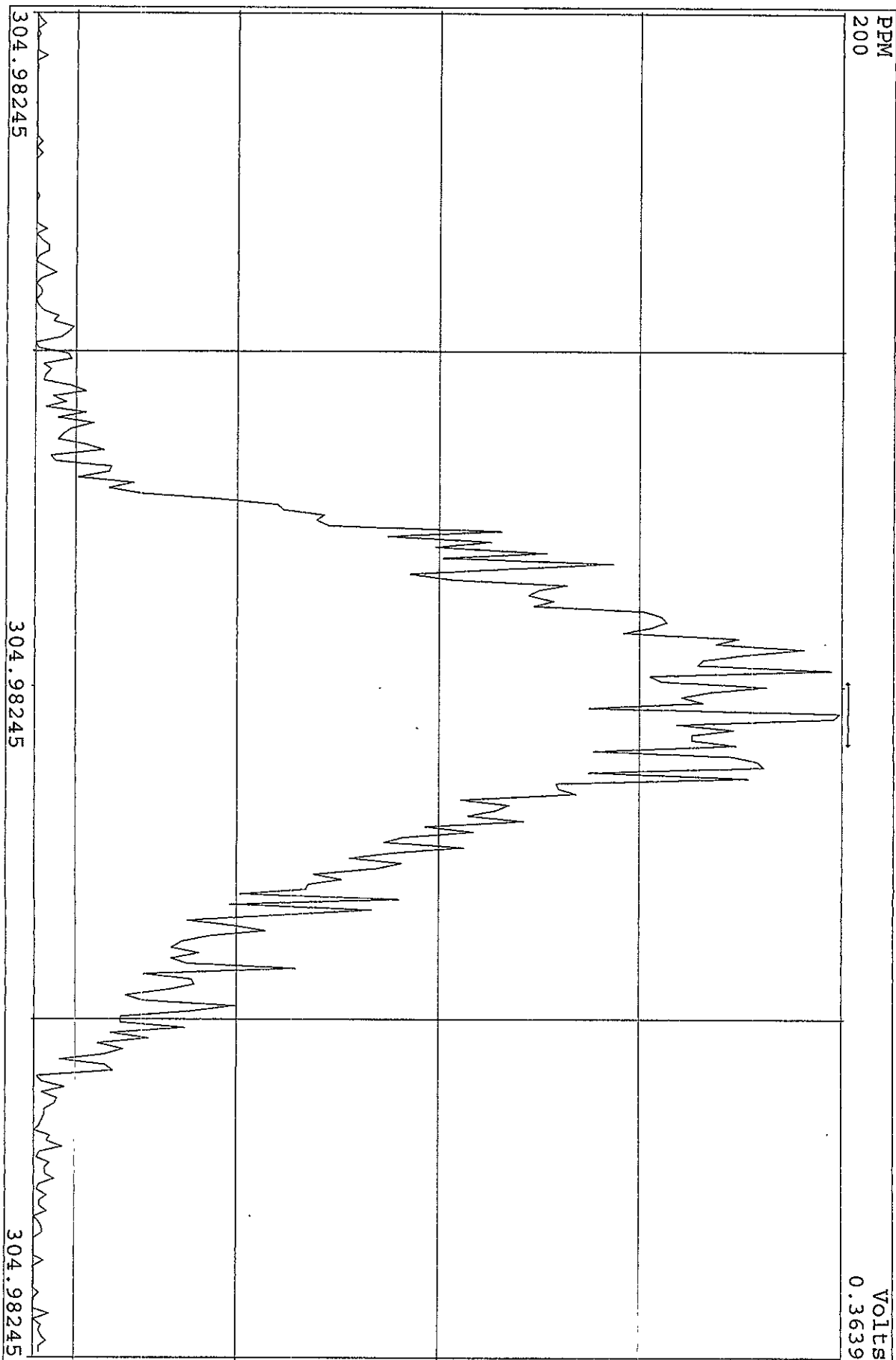
SIRLM Examination: 11-OCT-2010:17:08 File: 10OCT105D2
Experiment: DB225RES Function: 3



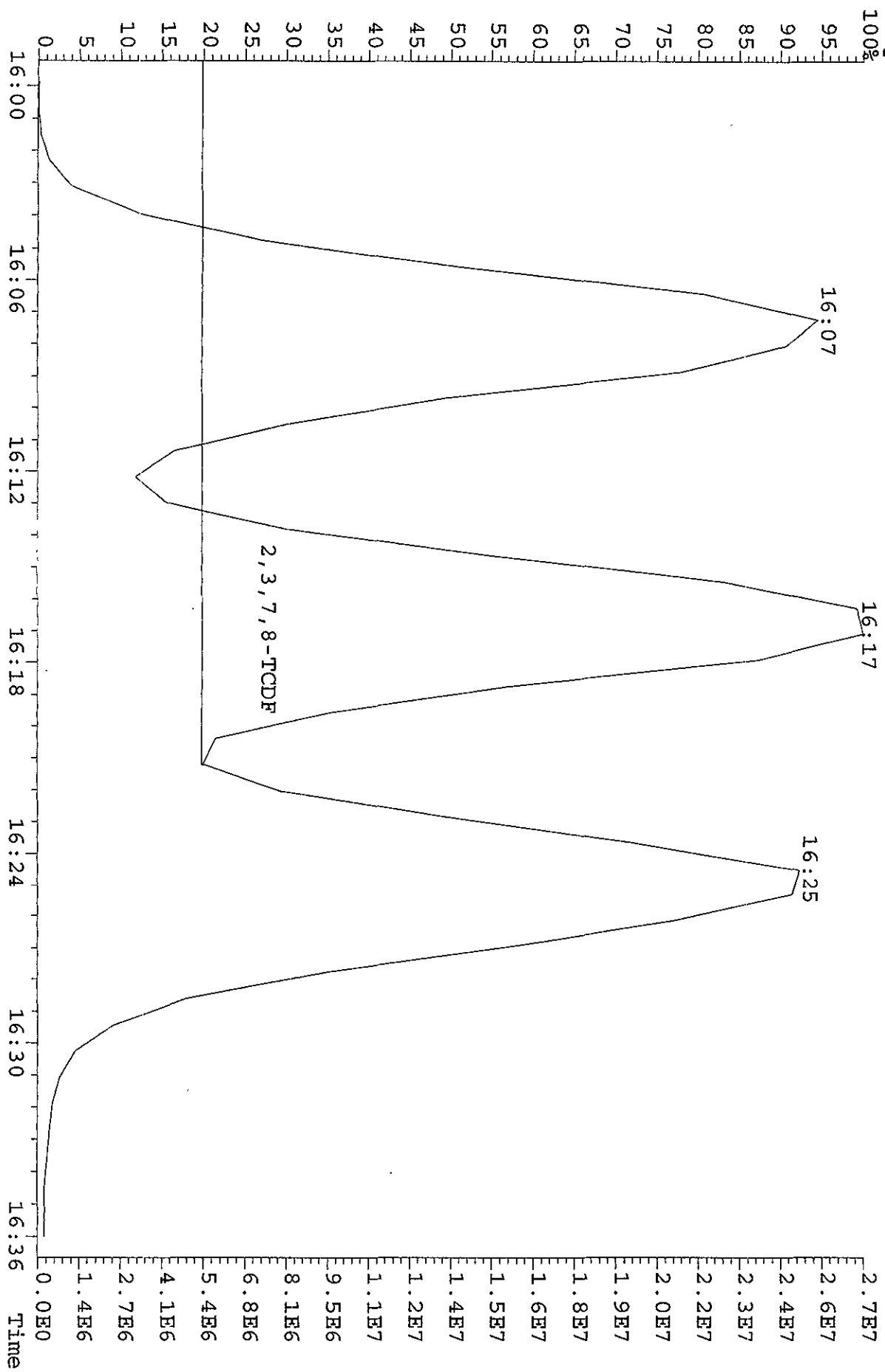
SIRLM Examination: 11-OCT-2010: 17:42 File: 100C105D2
Experiment: DB225RES Function: 2



SIRIM Examination: 11-OCT-2010: 17:44 File: 10OCT105D2
Experiment: DE225RES Function: 3



File: 100C105D2 #1-1242 Acq: 11-OCT-2010 08:50:20 GC EI+ Voltage SIR 70SE
 303.9016 S:38 Exp: DB225RES
 Sample Text: CP1010B : DB-225 CPSM 3732-06

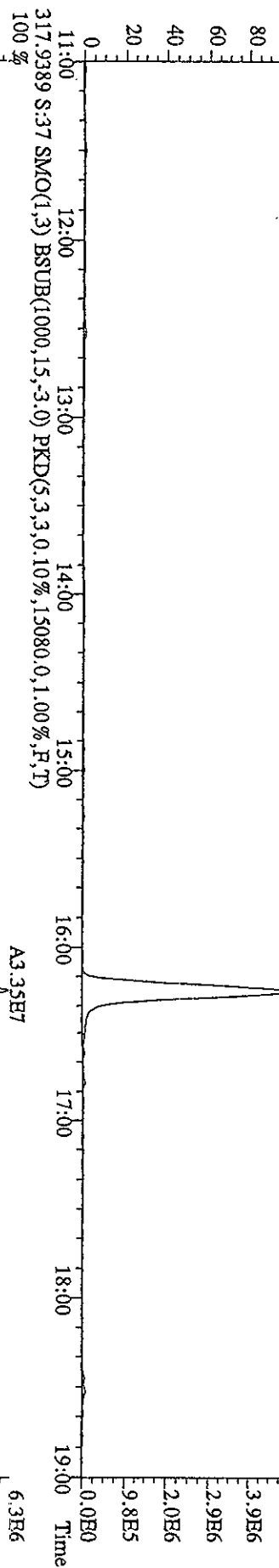
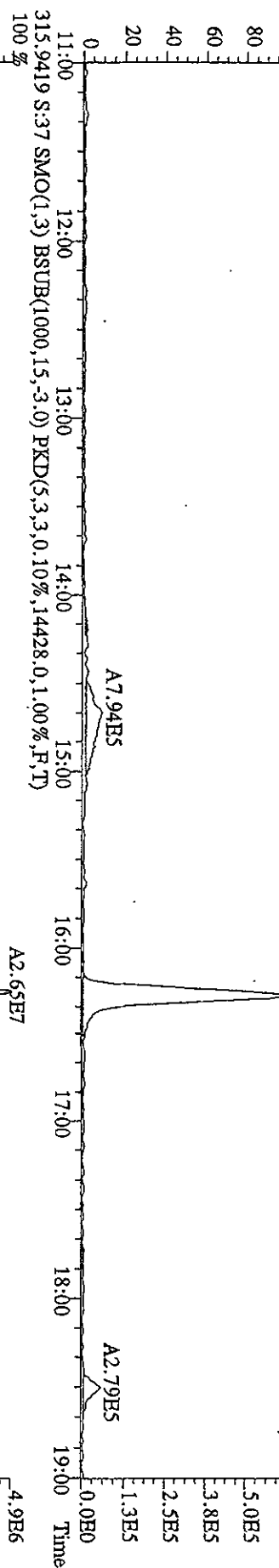
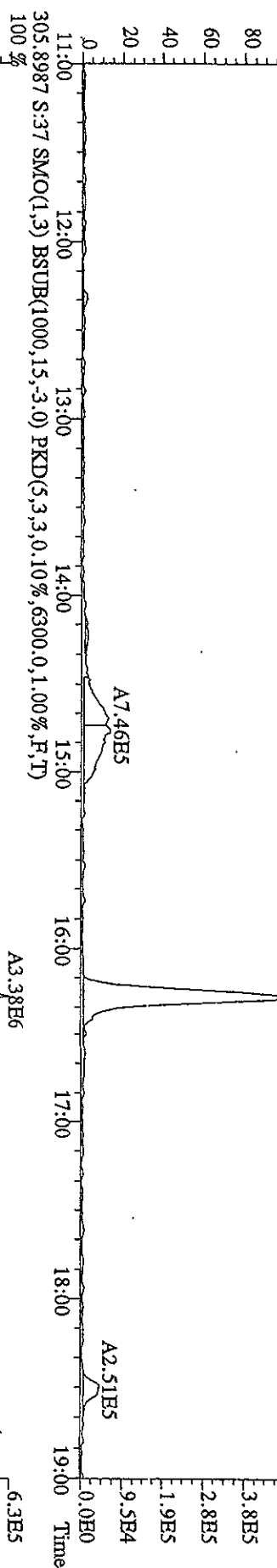


Run: 100C105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R

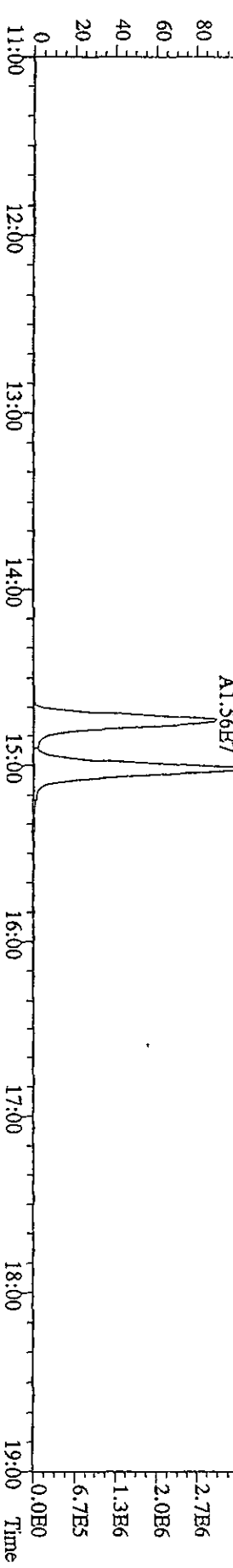
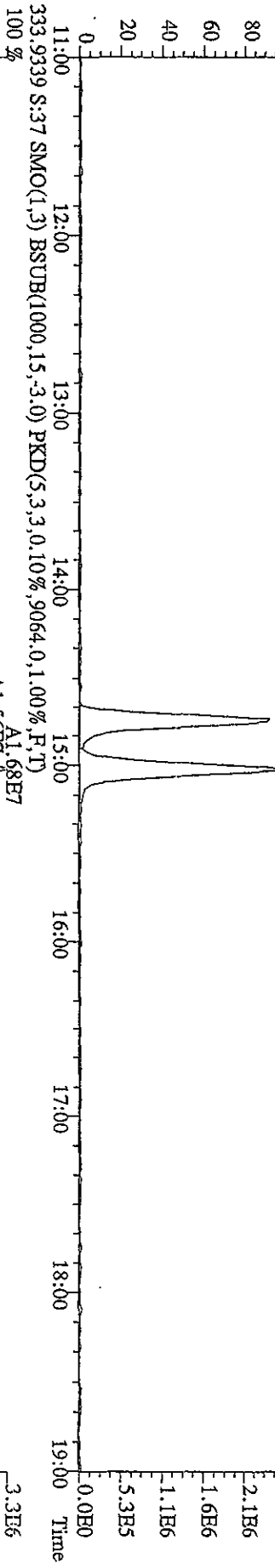
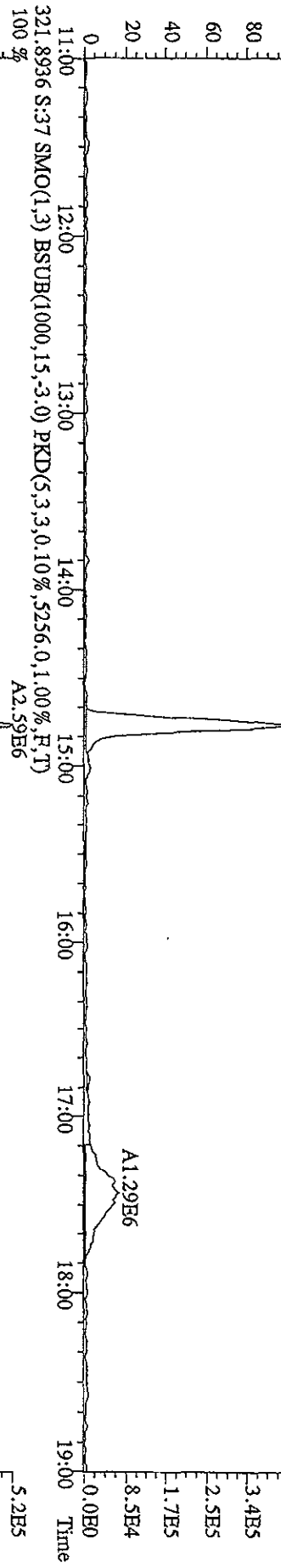
ST0726A : CS-1 10DXN342 RI ST0726B : CS-2 10DXN335 ST0726C : CS-3 10DXN336
 ST0726E : CS-4 10DXN337 ST0726D : CS-5 10DXN339

Name	Mean	S. D.	%RSD	26JL105D2				
				S6	S5	S7	S9	S8
				RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.111	0.055	2.59 %	2.14	2.09	2.12	2.03	2.18
2,3,7,8-TCDF	1.056	0.035	3.32 %	1.11	1.04	1.02	1.06	1.04
13C-2,3,7,8-TCDD	0.885	0.025	2.78 %	0.91	0.87	0.91	0.86	0.87
2,3,7,8-TCDD	1.636	0.024	1.44 %	1.64	1.67	1.61	1.63	1.62
37Cl-2,3,7,8-TCDD	1.458	0.044	3.01 %	1.40	1.42	1.47	1.49	1.50

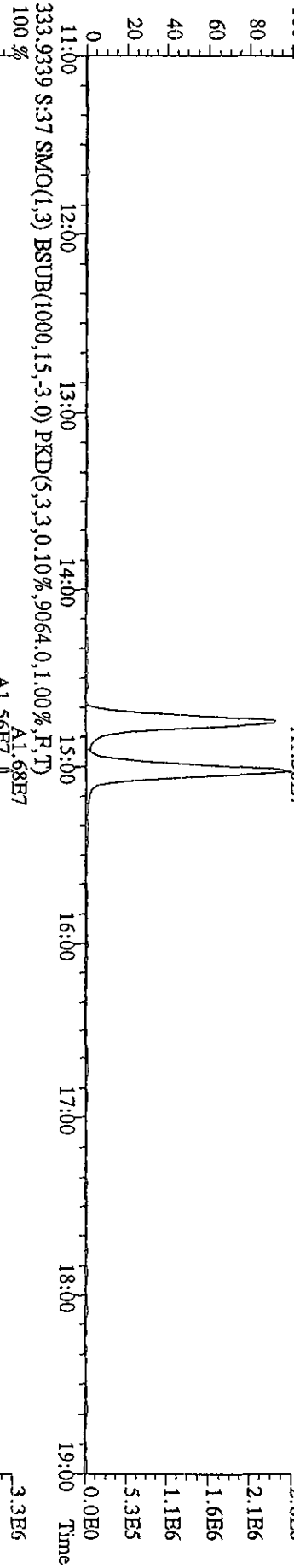
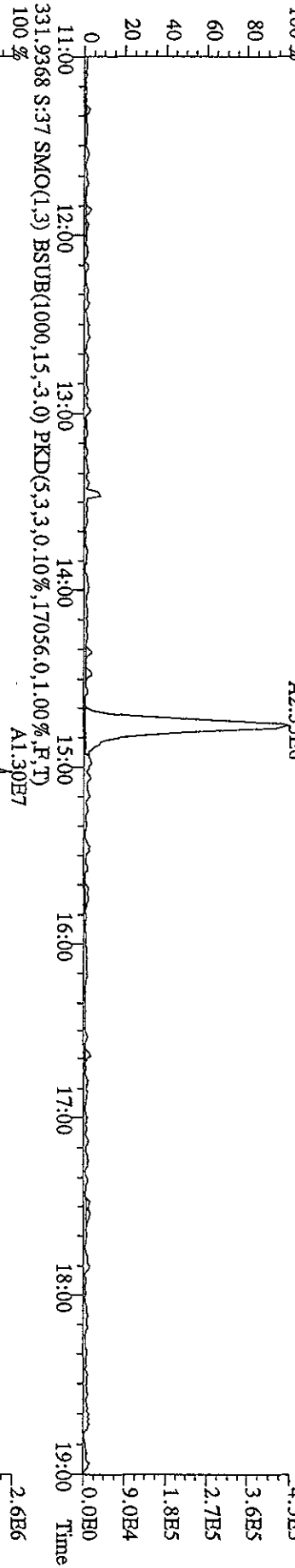
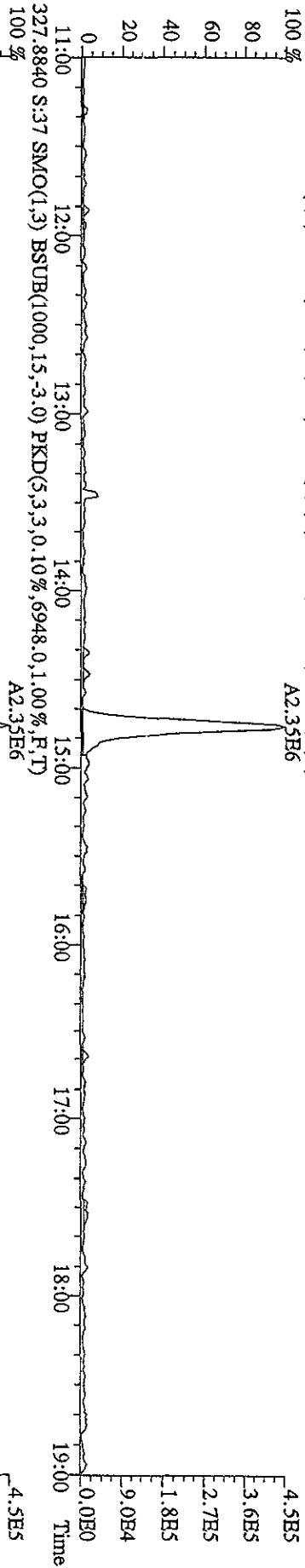
File: 100C105D2 #1-1242 Acq: 11-OCT-2010 08:14:08 GC EI+ Voltage SIR 70SE
 Sample#37 Text: ST1010B :CS3 10DXN426 Exp: DB25RBS
 303.9016 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4912.0,1.00%,F,T)
 100%



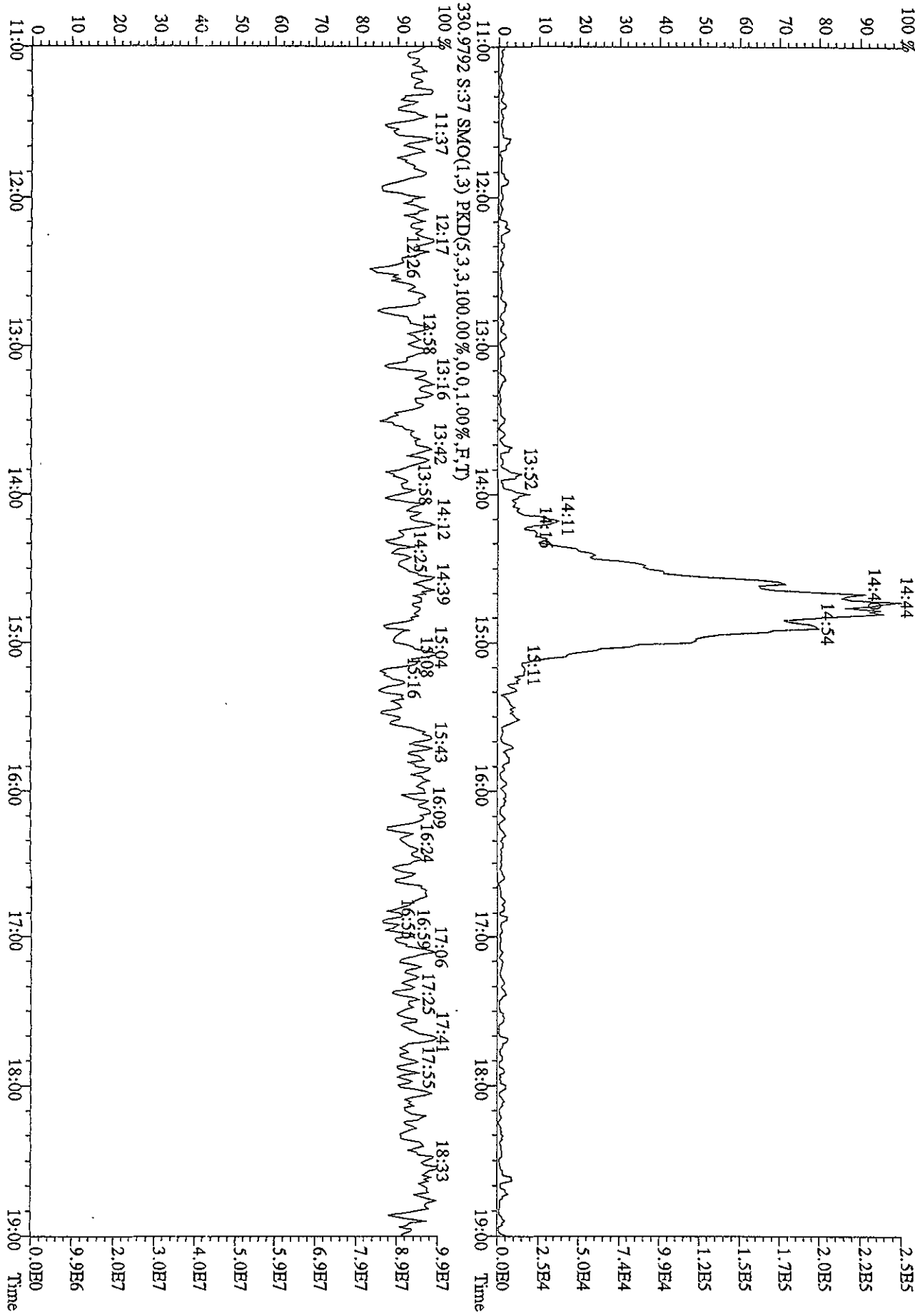
File:100C105D2 #1-1242 Acq:11-OCT-2010 08:14:08 GC:EI+ Voltage SIR 70SE
 Sample#37 Text:ST1010B :CS3 10DXN426 Exp:DB25RBS
 319.8965 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,F,T) A2.12E6
 100%



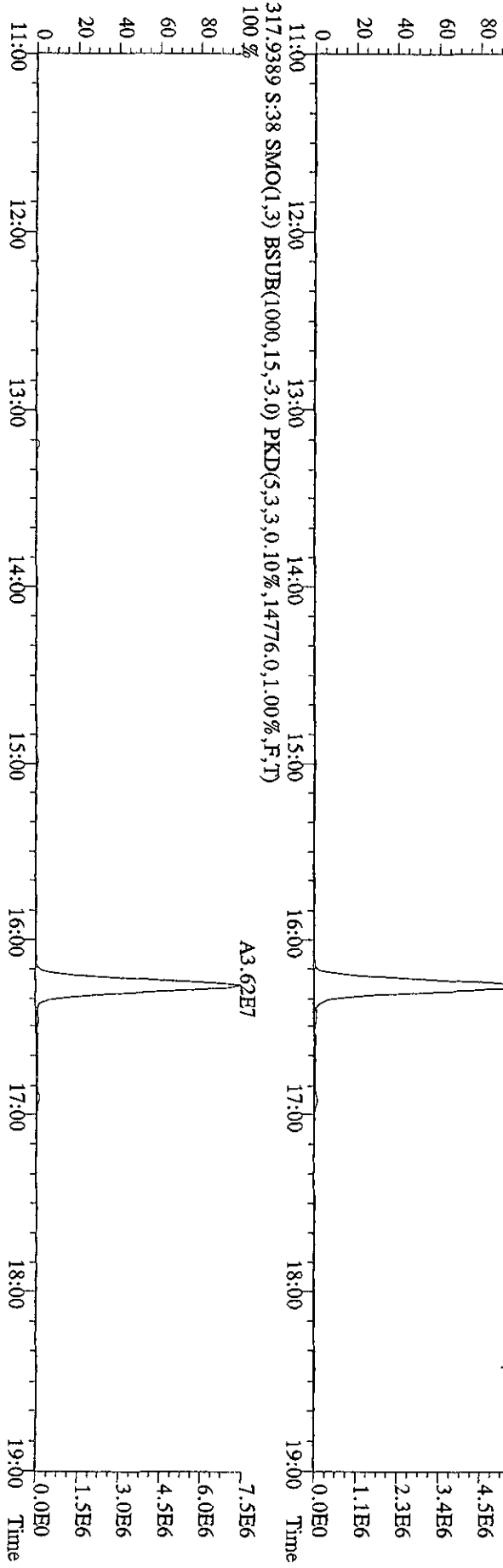
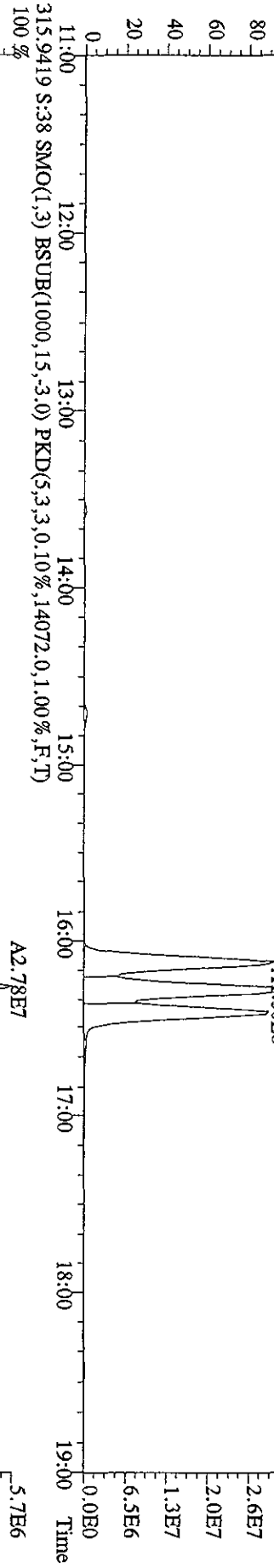
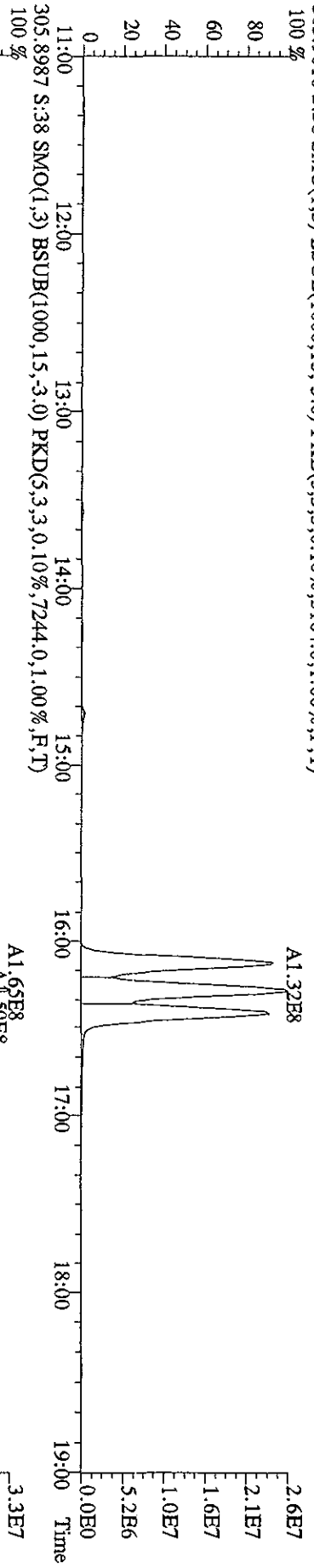
File:100C105D2 #1-1242 Acq:11-OCT-2010 08:14:08 GC EI+ Voltage SIR 70SE
Sample#37 Text:ST1010B :CS3 10DXN426 Exp:DB25RES
327.8840 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6948,0.1,00%,F,T)
100 % A2.35B6



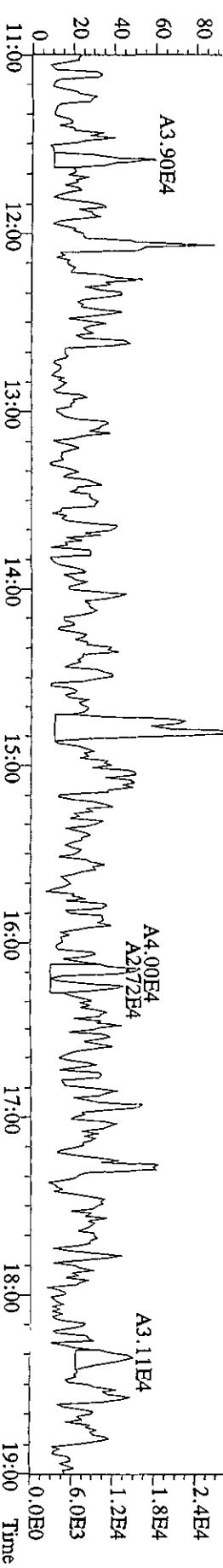
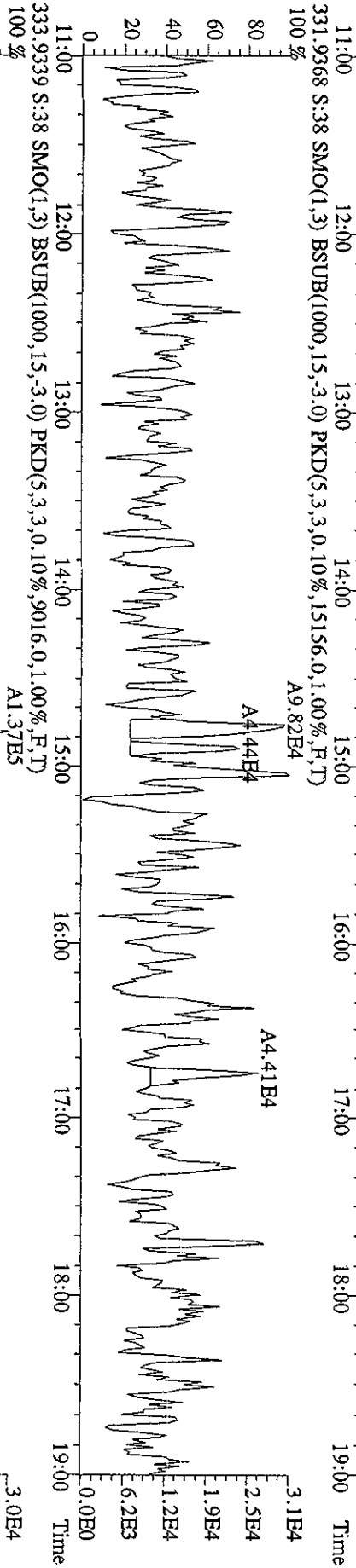
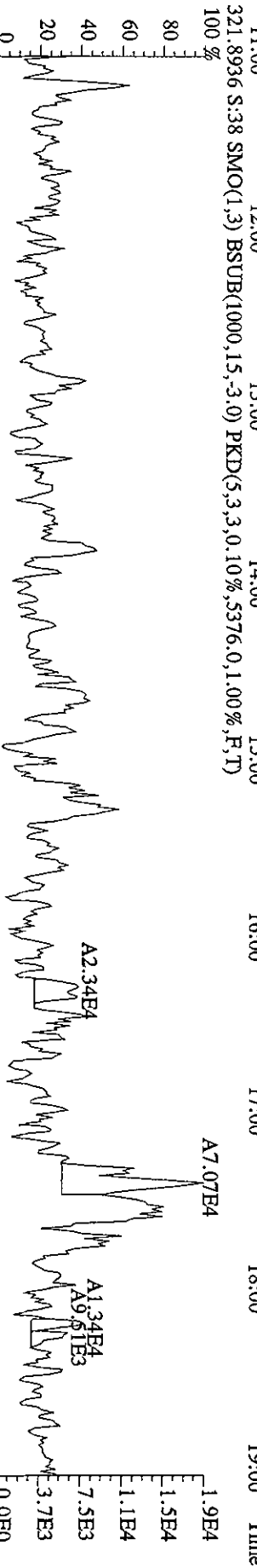
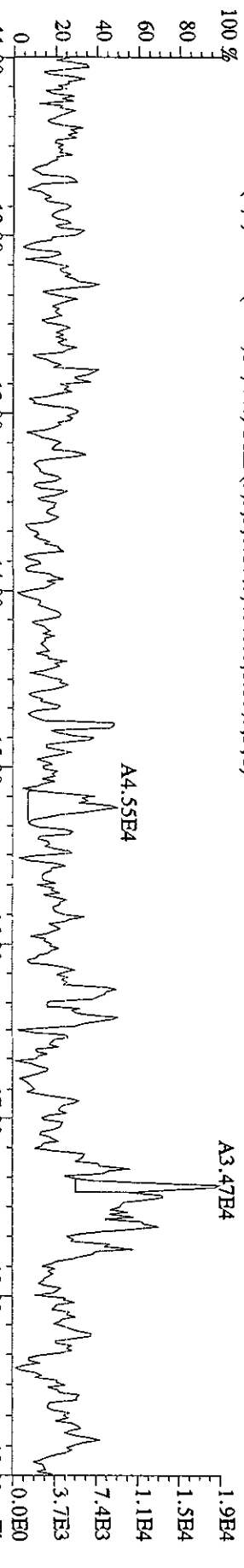
File: 100C105D2 #1-1242 Acq: 11-OCT-2010 08:14:08 GC BI+ Voltage SIR 70SE
 Sample#37 Text: ST1010B :CS3 10DXN426 Exp: DB225RES
 375.8364 S:37 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2368.0,1.00%,F,T)



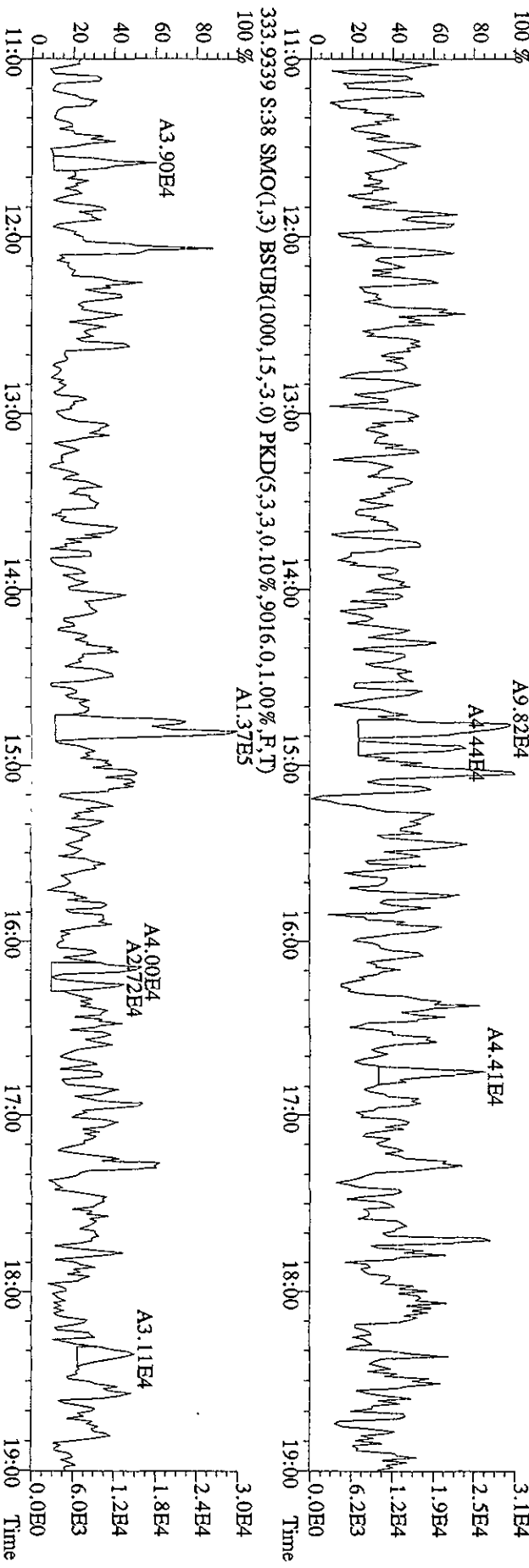
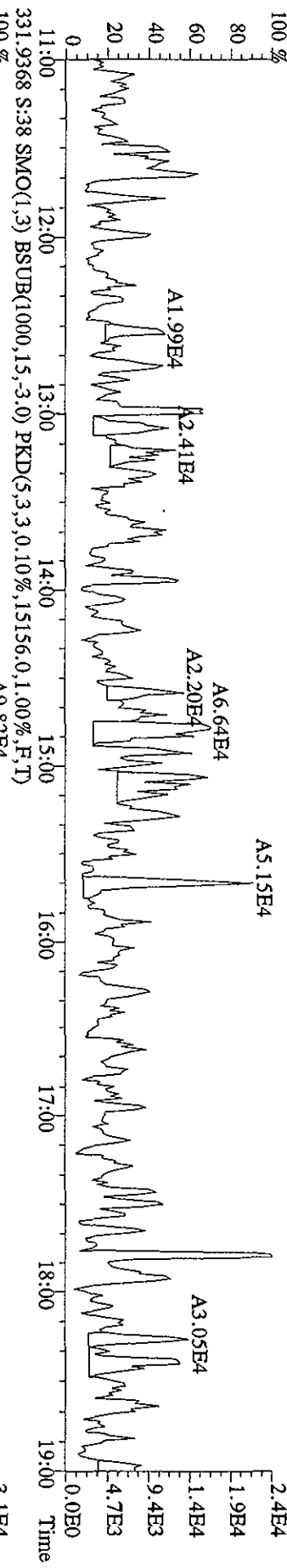
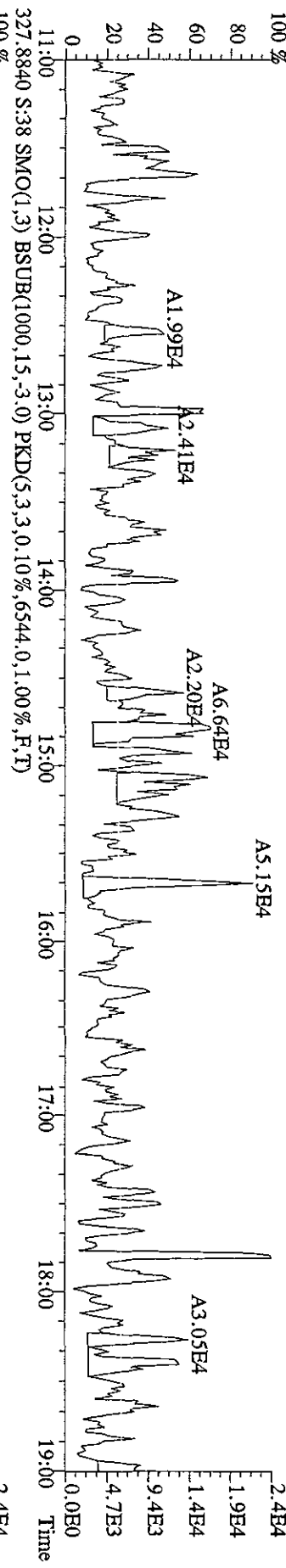
File:100C105D2 #1-1242 Acq:11-OCT-2010 08:50:20 GC EI+ Voltage SIR 70SE
 Sample#38 Text:CP1010B :DB-225 CP5M 3732-06 Exp:DB225RES
 303.9016 S:38 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5164.0,1.00%,F,T)



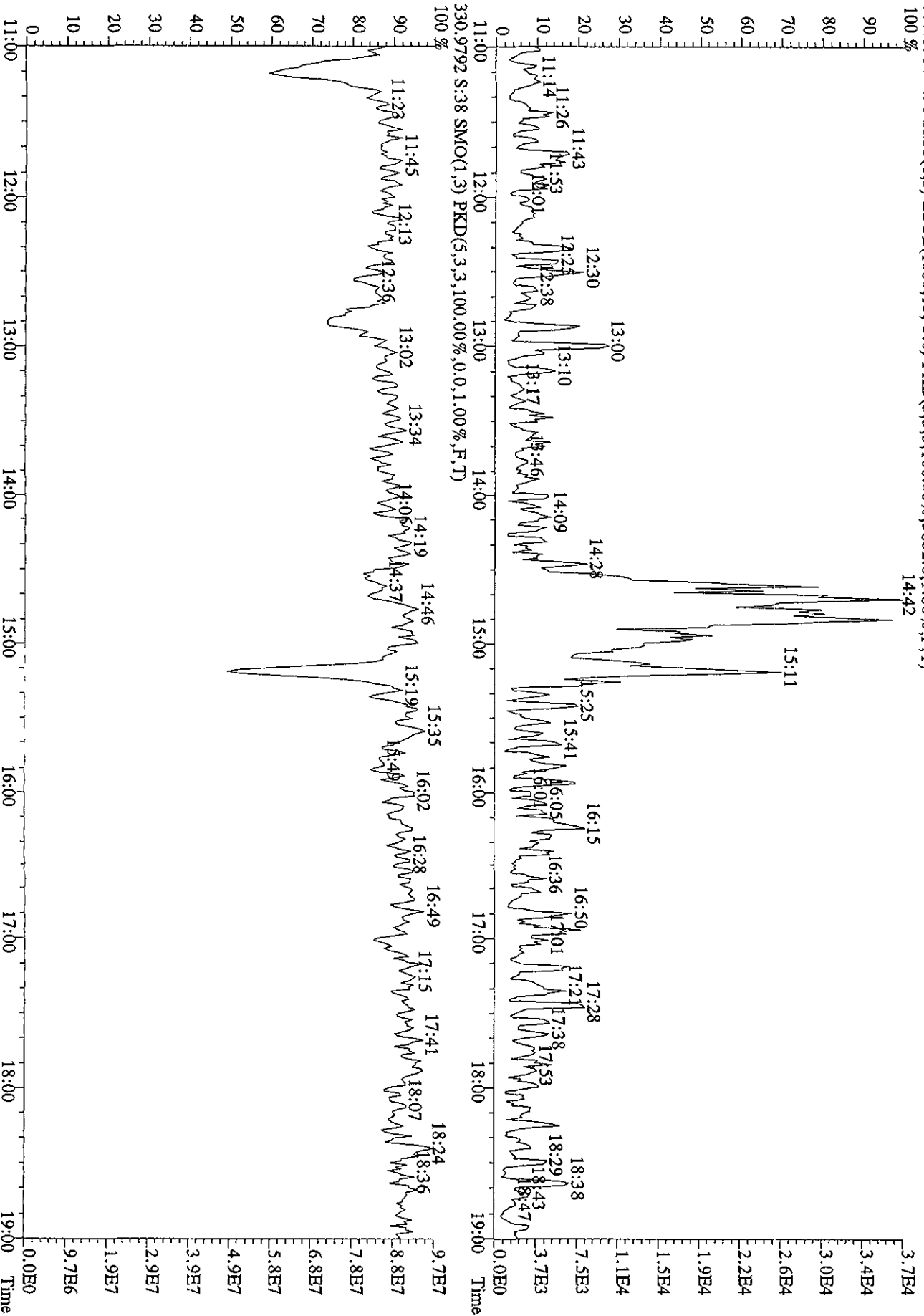
File:100CI05D2 #1-1242 Acq:11-OCT-2010 08:50:20 GC EI+ Voltage SIR 70SE
 Sample#38 Text:CP1010B :DB-225 CPSM 3732-06 Exp:DH25RES
 319.8965 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4840.0,1.00%,F,T)
 100 %



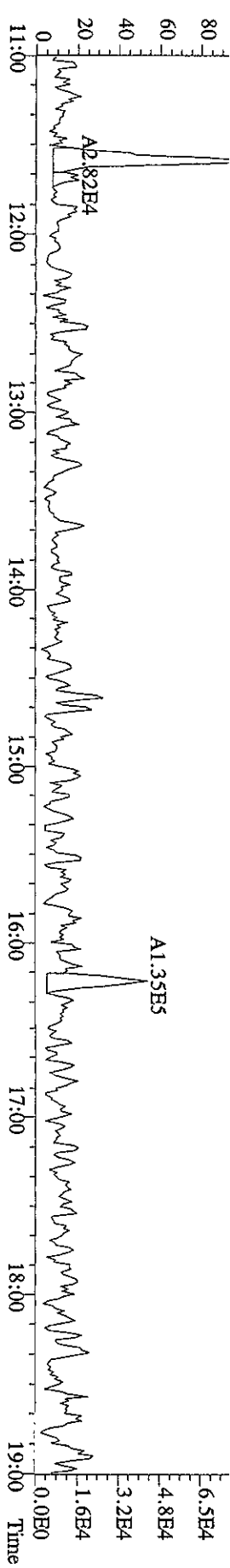
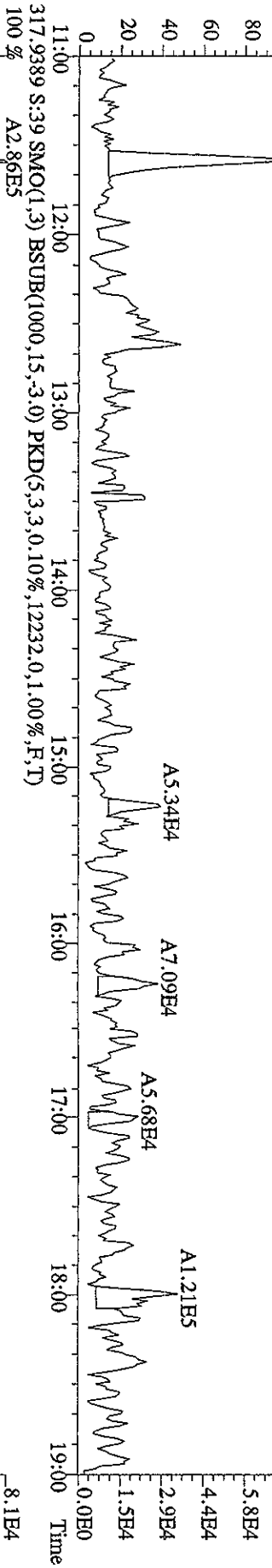
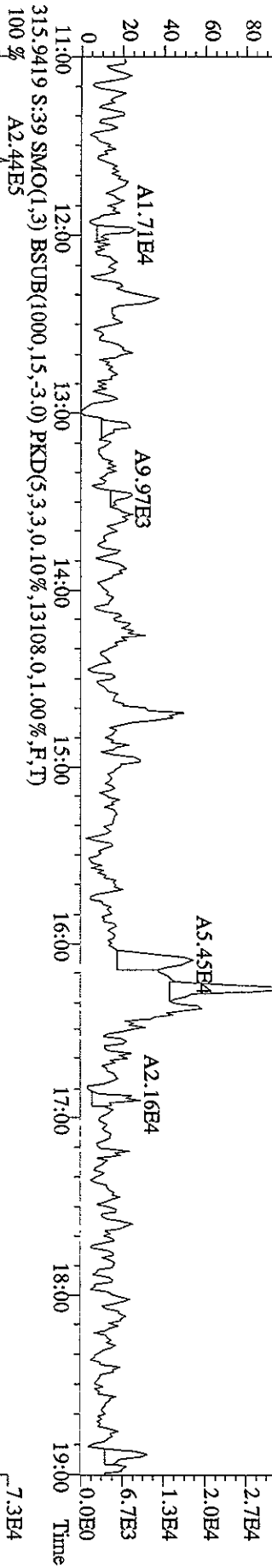
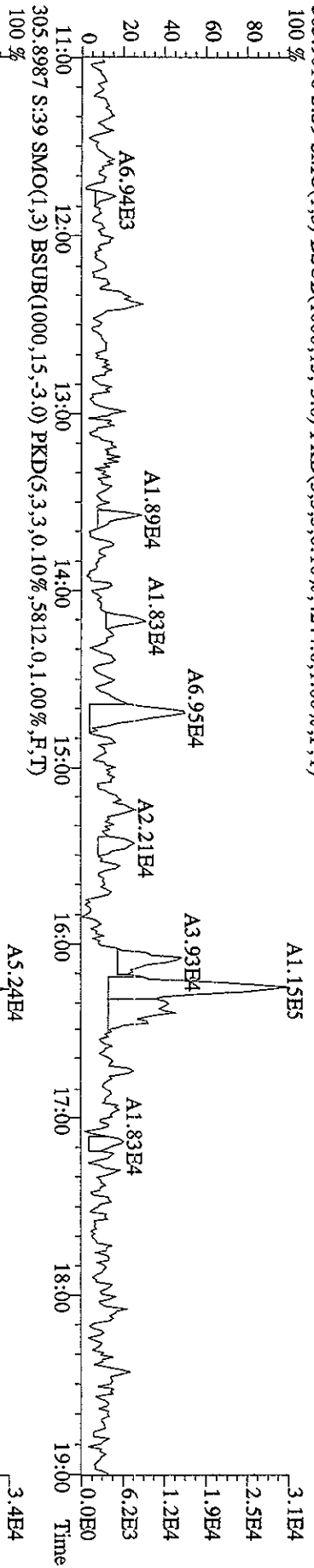
File:100C105D2 #1-1242 Acq:11-OCT-2010 08:50:20 GC EI+ Voltage SIR 70SE
 Sample#38 Text:CP1010B :DB-225 CPSM 3732-06 Exp:DB225RES
 327.8840 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6544.0,1.00%,F,T)



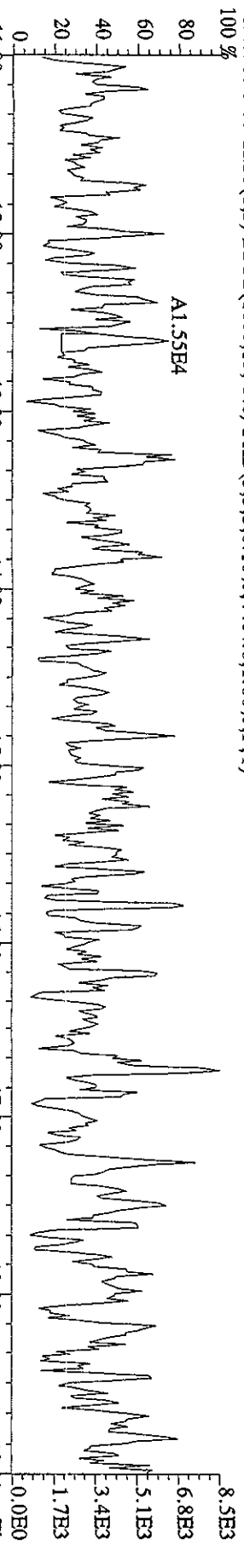
File:100C105D2 #1-1242 Acq:11-OCT-2010 08:50:20 GC EI+ Voltage SIR 70SE
 Sample#38 Text:CP1010B :DB-225 CPSM 3732-06 Exp:DB225RES
 375.8364 S:38 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,0.1.00%,F,T) 100%



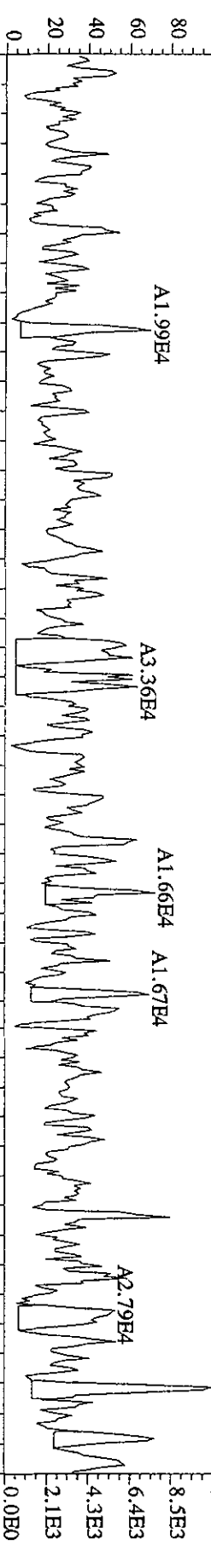
File:100C105FD2 #1-1242 Acq:11-OCT-2010 09:27:04 GC EI+ Voltage SIR 70SE
 Sample#39 Text:SB1010D :Solvent Blank C-14 Exp:DB225RES
 303.9016 S:39 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4244.0,1.00%,F,T)
 100 %



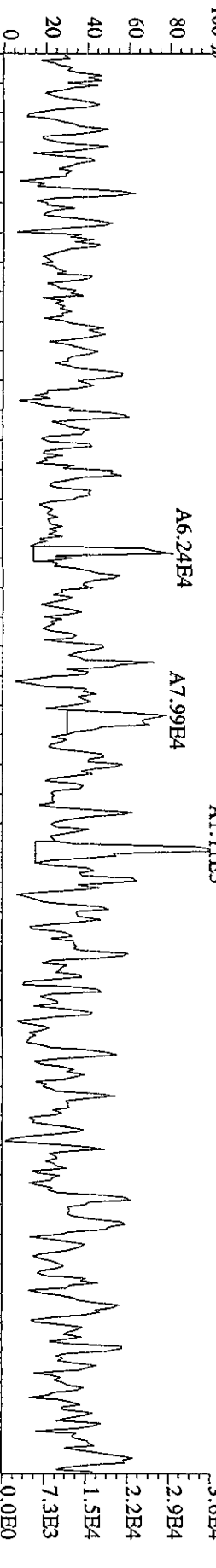
File:100C105D2 #1-1242 Acq:11-OCT-2010 09:27:04 GC EI+ Voltage SIR 70SE
 Sample#39 Text:SB1010D :Solvent Blank C-14 Exp:DB25RES
 319.8965 S:39 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4464.0,1.00%,F,T)
 100 %



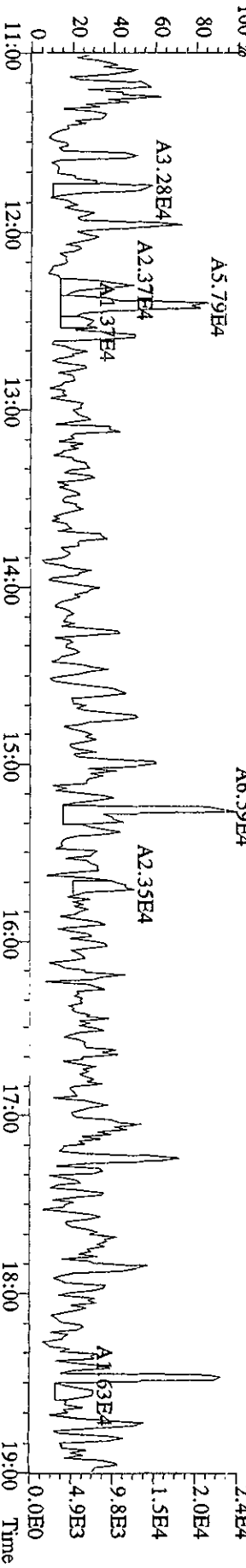
321.8936 S:39 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4048.0,1.00%,F,T)
 100 %



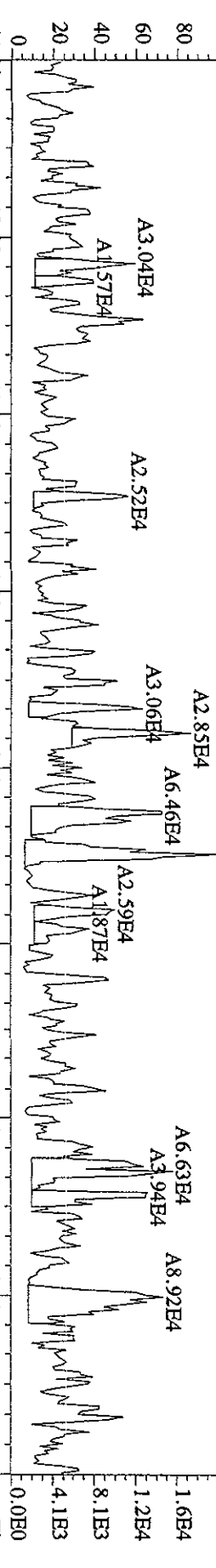
331.9368 S:39 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,14628.0,1.00%,F,T)
 100 %



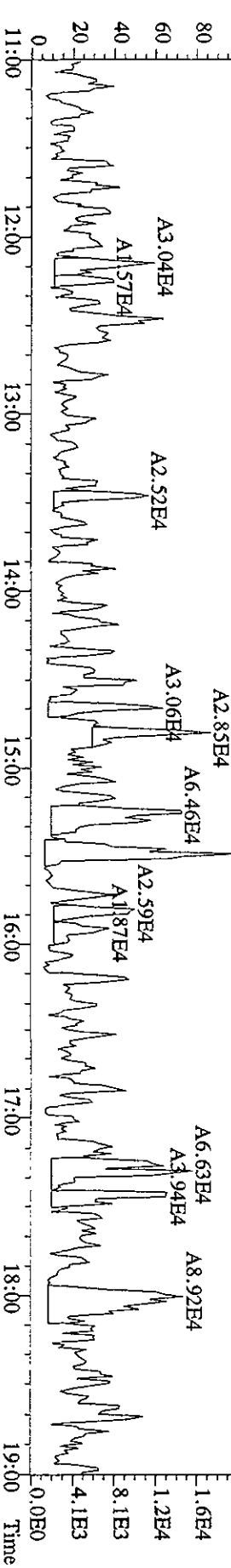
333.9339 S:39 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7704.0,1.00%,F,T)
 100 %



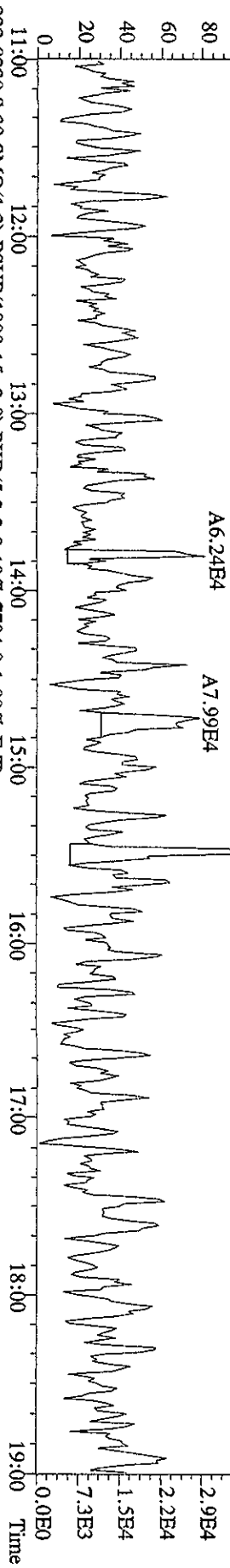
File:100C105D2 #1-1242 Acq:11-OCT-2010 09:27:04 GC EI+ Voltage SIR 70SE
 Sample#39 Text:SB1010D :Solvent Blank C-14 Exp:DB225RES
 327.8840 S:39 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4696.0,1.00%,F,T)
 100 %



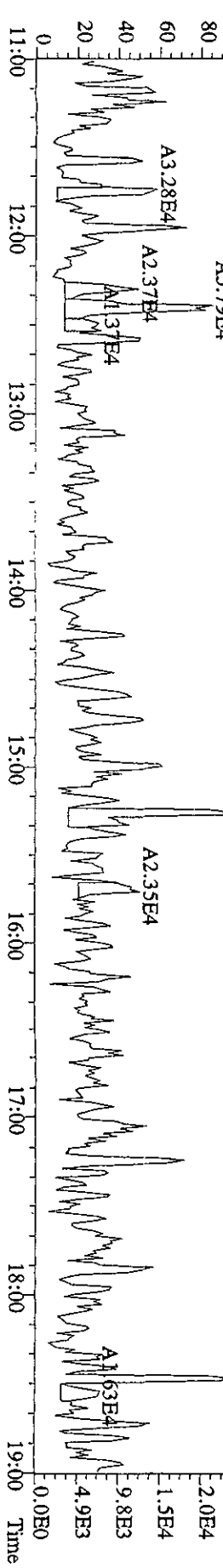
327.8840 S:39 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4696.0,1.00%,F,T)
 100 %



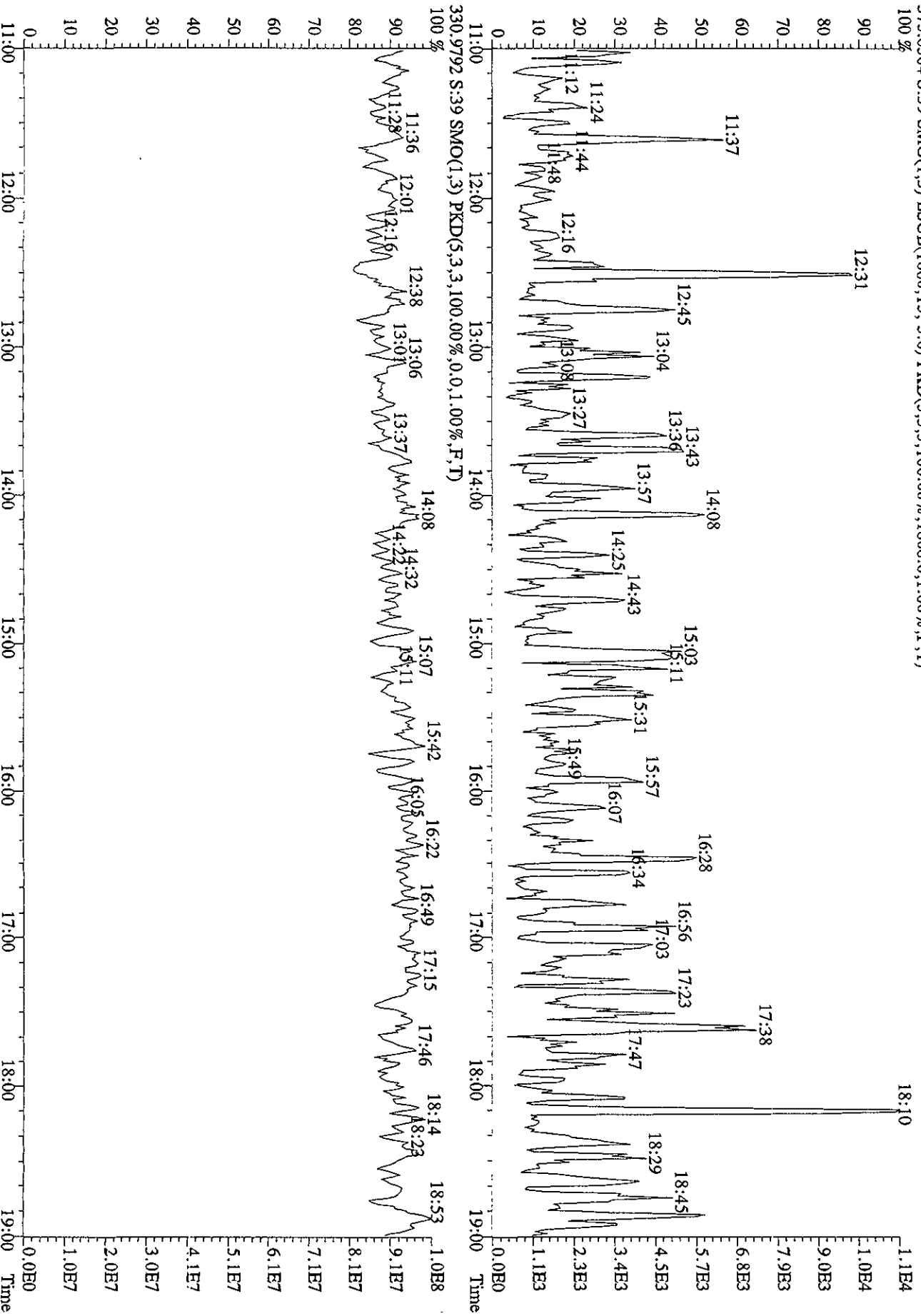
331.9368 S:39 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,14628.0,1.00%,F,T)
 100 %



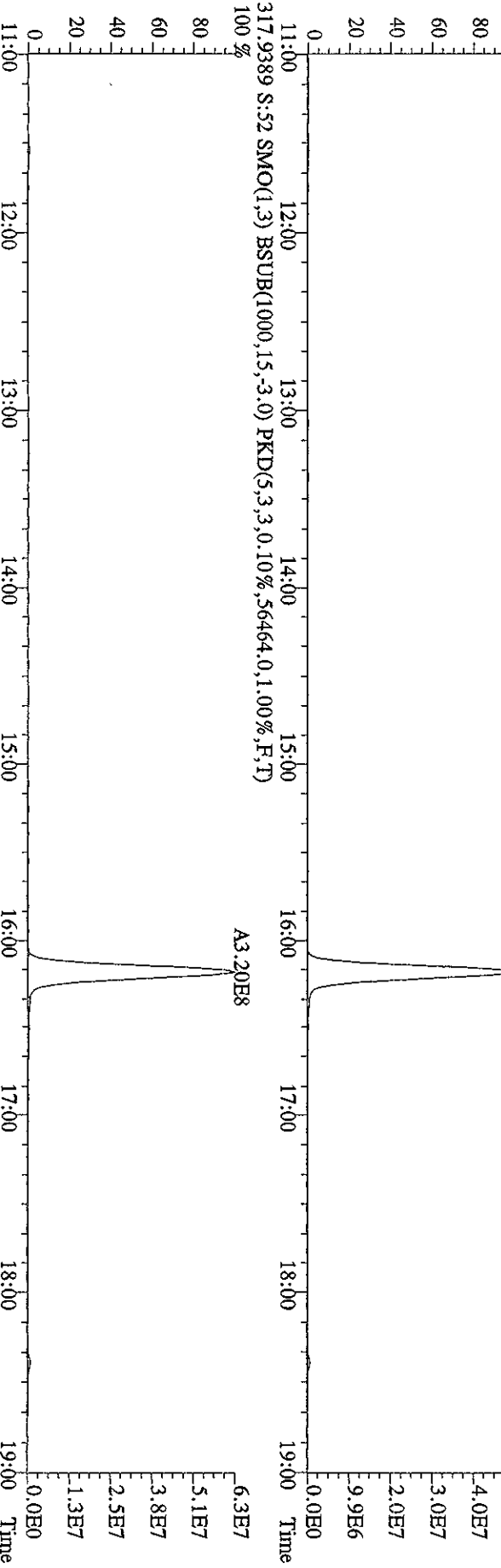
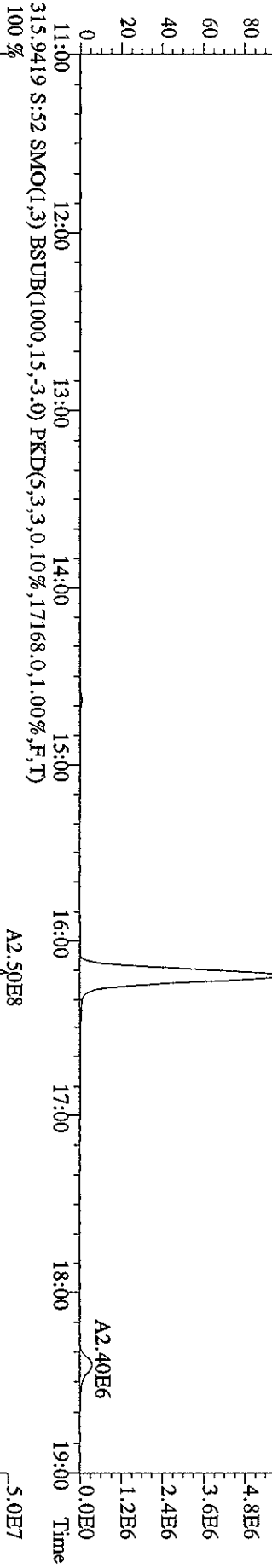
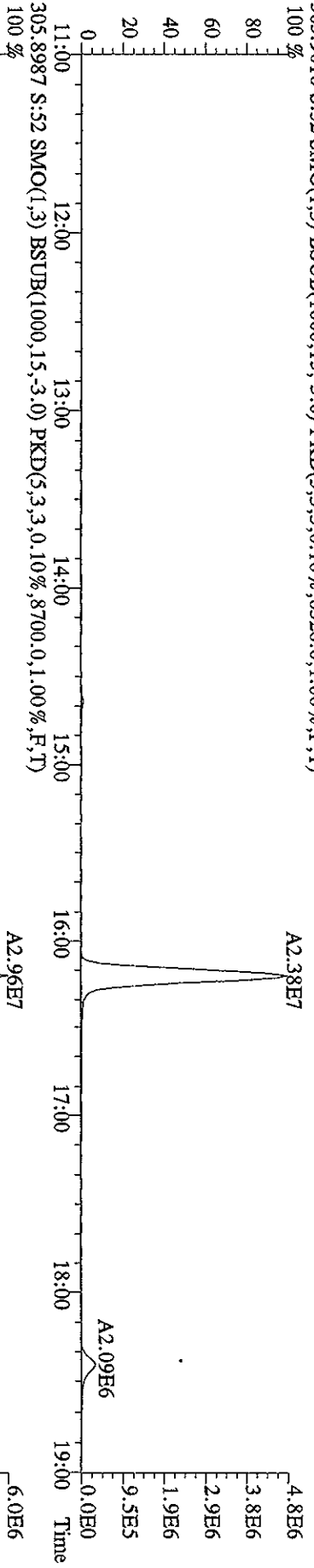
333.9339 S:39 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7704.0,1.00%,F,T)
 100 %



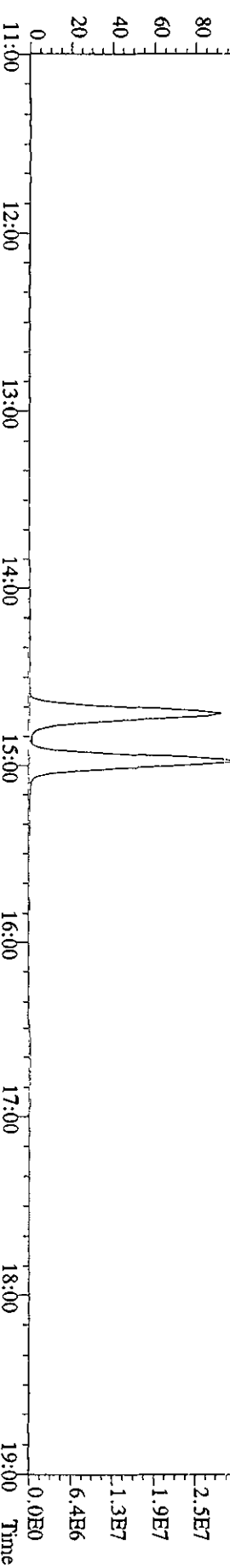
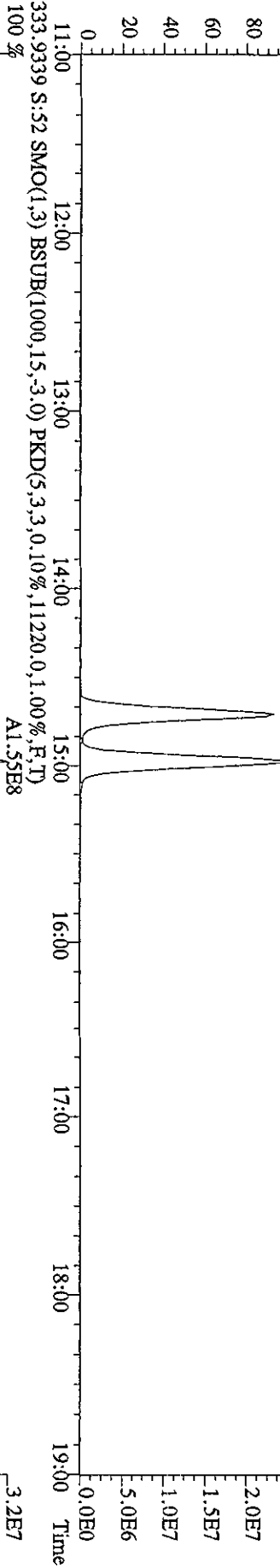
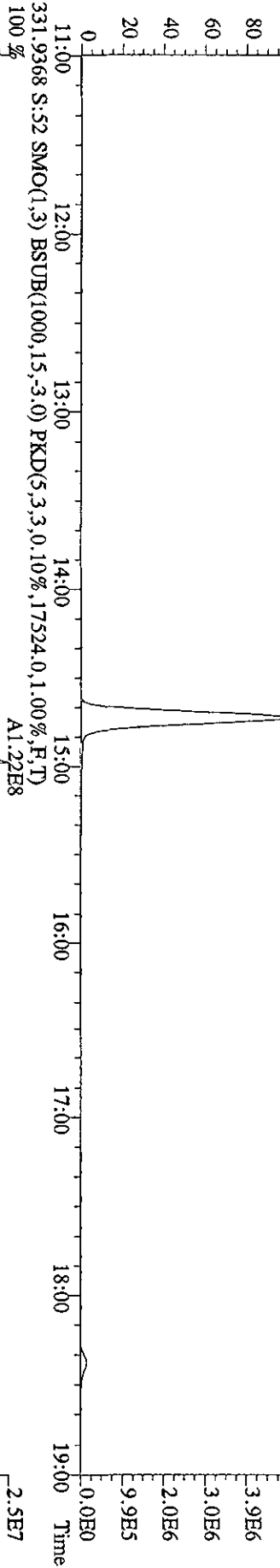
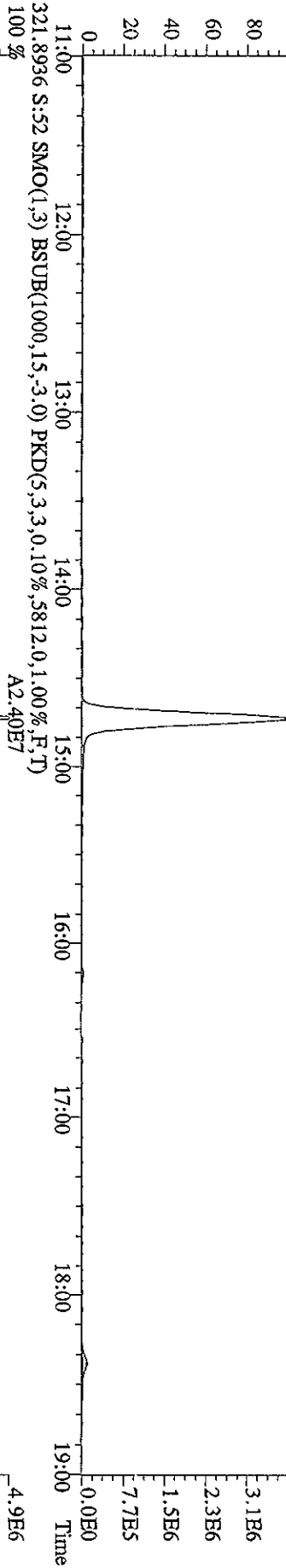
File: 100C105D2 #1-1242 Acq: 11-OCT-2010 09:27:04 GC EI+ Voltage SIR 70SE
 Sample#39 Text: SB1010D Solvent Blank C-14 Exp: DB225RES
 375.8364 S:39 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1808.0,1.00%,F,T)



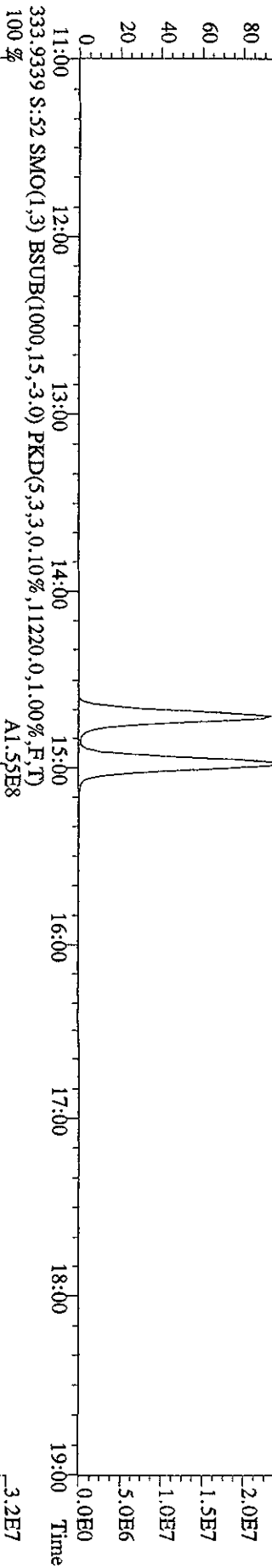
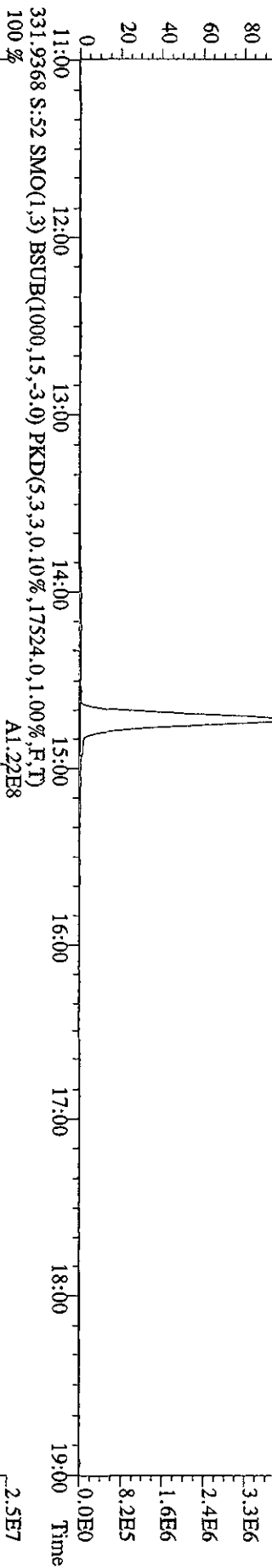
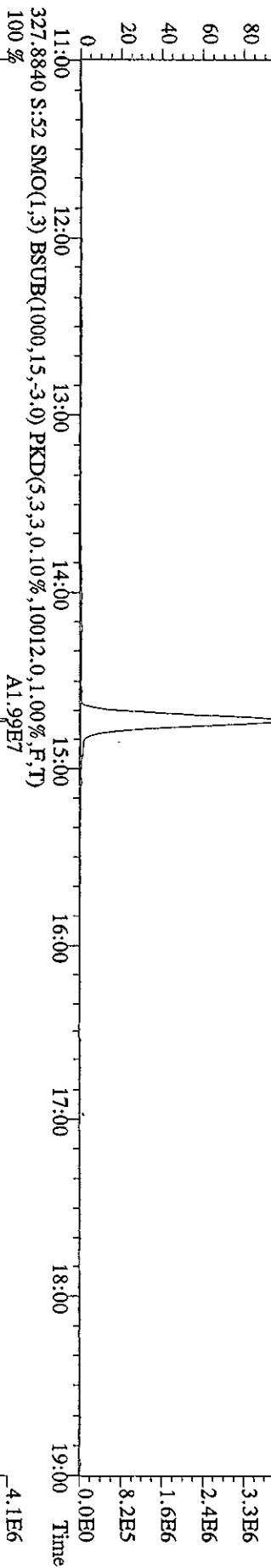
File:100C105D2 #1-1047 Acq:11-OCT-2010 17:17:12 GC EI+ Voltage SIR 70SE
 Sample#52 Text:ST1010C :CS3 10DXN426 Exp:DB225RES
 303.9016 S:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6328,0,1.00%,F,T)
 100 %



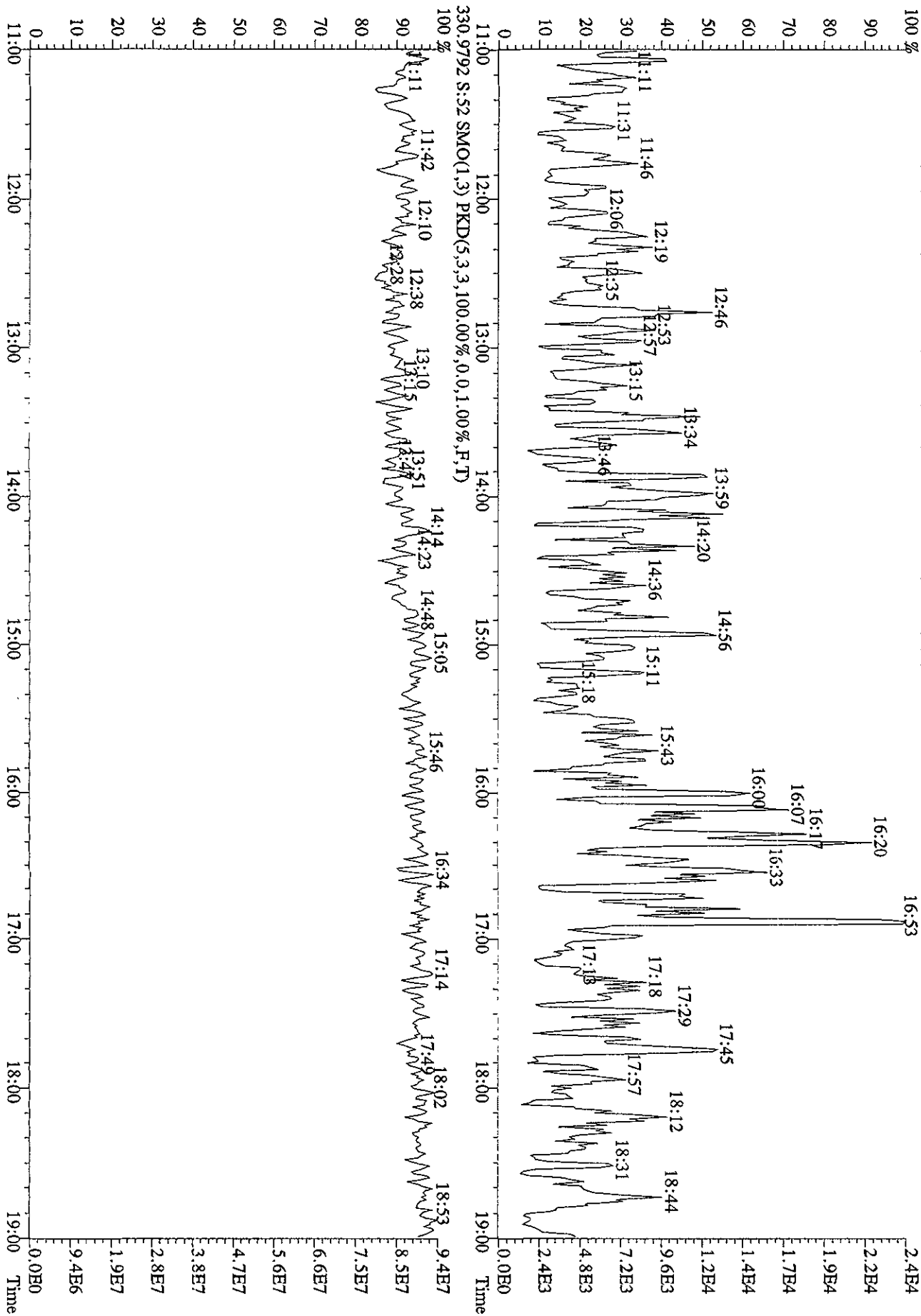
File:100C105D2 #1-1047 Acq:11-OCT-2010 17:17:12 GC EI+ Voltage SIR 70SE
 Sample#52 Text:ST1010C :CS3 10DXN426 Exp:DB225RES
 319.8965 S.:52 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5848.0,1.00%,F,T)
 100% A1.90E7



File:100C105D2 #1-1047 Acq:11-OCT-2010 17:17:12 GC EI+ Voltage SIR 70SE
 Sample#52 Text:ST1010C :CS3 10DDXN426 Exp:DB225RES
 327.8840 S:52 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10012.0,1.00%,F,T)
 100% A1.99E7



File:100C105FD2 #1-1047 Acq:11-OCT-2010 17:17:12 GC EI+ Voltage SIR 70SE
 Sample#52 Text:ST1010C :CS3 10DYXN426 Exp:DB225RES
 375.8364 S.:52 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,100,00%,6456,0,1,00%,F,T)



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Initial Calibration Checklist
Dioxin Methods

ICAL ID (8290, 1613, T09, 23, 0023A, TETRAs) 0914/10/105
 Method ID 8290, 1613B, T09, 23, 0023A Date Scanned 3/16
 Column ID DB5 Instrument ID 105
 STD ID's ST0914(B, A, -, D, C) STD Solution 10DXN (342, 335, 426, 337, 329)
 GC Program DCDDMG Multiplier Setting 270
 Analyzed By M.G. Date Analyzed 9/14/10
 Prepared By M.G. Date Prepared 9/15/10
 Reviewed By JRB Date Reviewed 9/15/10

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

COMMENTS:

13C-1,2,3,4-TCDD 17:59
13C-1,2,3,7,8,9-HxCDD 30:57

*Method 8290/T09/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10
 Method 1613B: %RSD ≤ 20% natives, ≤30% labeled compounds; S/N ≥10
 Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 14SE101D5 Analyte: TO9 Cal: TO90914101D5

ST0914B :CS1 10DXN342 ST0914A :CS2 10DXN335 ST0914 :CS3 10DXN426
 ST0914D :CS4 10DXN337 ST0914C :CS5 10DXN339

Name	Mean	S. D.	%RSD	S4	S3	S2	S6	S5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-

13C-2,3,7,8-TCDF	1.563	0.037	2.40 %	1.57	1.61	1.55	1.57	1.51
2,3,7,8-TCDF	0.984	0.116	11.8 %	0.90	0.82	1.05	1.08	1.07
Total TCDF	0.984	0.116	11.8 %	0.90	0.82	1.05	1.08	1.07

13C-2,3,7,8-TCDD	0.921	0.041	4.42 %	0.95	0.94	0.96	0.87	0.88
2,3,7,8-TCDD	1.032	0.111	10.8 %	0.91	0.92	1.06	1.14	1.13
Total TCDD	1.032	0.111	10.8 %	0.91	0.92	1.06	1.14	1.13

37Cl-2,3,7,8-TCDD	1.226	0.171	14.0 %	1.03	1.10	1.20	1.37	1.43
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13C-1,2,3,7,8-PeCDF	1.053	0.139	13.2 %	1.15	1.20	1.10	0.96	0.86
1,2,3,7,8-PeCDF	1.092	0.151	13.8 %	0.89	0.97	1.22	1.19	1.19
2,3,4,7,8-PeCDF	1.018	0.140	13.8 %	0.82	0.92	1.14	1.10	1.11
Total P2 PeCDF	1.055	0.145	13.8 %	0.85	0.95	1.18	1.15	1.15
Total P1 PeCDF	1.055	0.145	13.8 %	0.85	0.95	1.18	1.15	1.15

13C-1,2,3,7,8-PeCDD	0.561	0.085	15.1 %	0.61	0.65	0.59	0.51	0.44
1,2,3,7,8-PeCDD	1.070	0.156	14.6 %	0.89	0.92	1.16	1.16	1.22
Total PeCDD	1.070	0.156	14.6 %	0.89	0.92	1.16	1.16	1.22

13C-1,2,3,7,8-HxCDD	-	-	- %	-	-	-	-	-
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13C-1,2,3,4,7,8-HxCDF	0.991	0.061	6.19 %	1.00	1.05	1.00	1.01	0.89
1,2,3,4,7,8-HxCDF	1.261	0.122	9.70 %	1.11	1.21	1.40	1.38	1.20
1,2,3,6,7,8-HxCDF	1.531	0.150	9.79 %	1.33	1.47	1.58	1.53	1.74
2,3,4,6,7,8-HxCDF	1.407	0.159	11.3 %	1.20	1.29	1.52	1.43	1.59
1,2,3,7,8,9-HxCDF	1.396	0.174	12.5 %	1.16	1.30	1.53	1.41	1.58
Total HxCDF	1.399	0.137	9.83 %	1.20	1.32	1.51	1.44	1.53

13C-1,2,3,6,7,8-HxCDD	0.739	0.034	4.62 %	0.75	0.75	0.73	0.69	0.78
1,2,3,4,7,8-HxCDD	1.120	0.159	14.2 %	0.89	1.05	1.25	1.28	1.13

1,2,3,6,7,8-HxCDD	1.141	0.145	12.7 %	0.94	1.04	1.25	1.26	1.22
1,2,3,7,8,9-HxCDD	1.354	0.182	13.4 %	1.14	1.23	1.58	1.49	1.32
Total HxCDD	1.205	0.158	13.1 %	0.99	1.11	1.36	1.35	1.22
13C-1,2,3,4,6,7,8-HpCDF	0.956	0.098	10.2 %	1.05	1.07	0.89	0.86	0.91
1,2,3,4,6,7,8-HpCDF	1.408	0.193	13.7 %	1.12	1.32	1.61	1.51	1.48
1,2,3,4,7,8,9-HpCDF	1.236	0.121	9.80 %	1.06	1.17	1.36	1.28	1.31
Total HpCDF	1.322	0.157	11.9 %	1.09	1.24	1.49	1.39	1.40
13C-1,2,3,4,6,7,8-HpCDD	0.712	0.085	11.9 %	0.78	0.82	0.67	0.63	0.66
1,2,3,4,6,7,8-HpCDD	1.134	0.139	12.3 %	0.94	1.03	1.26	1.21	1.23
Total HpCDD	1.134	0.139	12.3 %	0.94	1.03	1.26	1.21	1.23
13C-OCDD	0.353	0.054	15.4 %	0.40	0.42	0.32	0.29	0.34
OCDF	2.118	0.323	15.3 %	1.63	1.95	2.36	2.29	2.36
OCDD	1.371	0.158	11.5 %	1.17	1.23	1.52	1.47	1.47

Run #1 Filename 14SE101D5 S: 4 I: 1
 Acquired: 14-SEP-10 12:45:23 Processed: 14-SEP-10 15:11:08
 Run: 14SE101D5 Analyte: TO9 Cal: TO90914101D5

Comments:

Sample text: ST0914B :CS1 10DXN342

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	217757500	0.82 y	18:02	-	100.00	n
13C-2,3,7,8-TCDF	342526000	0.83 y	17:29	1.57	100.00	n
2,3,7,8-TCDF	1544346	0.86 y	17:30	0.90	0.50	n
Total TCDF	-	- n	-	0.90	0.50	n
13C-2,3,7,8-TCDD	206632500	0.81 y	18:13	0.95	100.00	n
2,3,7,8-TCDD	942260	0.87 y	18:15	0.91	0.50	n
Total TCDD	-	- n	-	0.91	0.50	n
37Cl-2,3,7,8-TCDD	1067370	1.00 y	18:14	1.03	0.50	n
13C-1,2,3,7,8-PeCDF	249582300	1.61 y	22:42	1.15	100.00	n
1,2,3,7,8-PeCDF	5547560	1.72 y	22:44	0.89	2.50	n
2,3,4,7,8-PeCDF	5105770	1.60 y	24:07	0.82	2.50	n
Total F2 PeCDF	-	- n	-	0.85	5.00	n
Total F1 PeCDF	-	- n	-	0.85	5.00	n
13C-1,2,3,7,8-PeCDD	132054700	1.72 y	24:49	0.61	100.00	n
1,2,3,7,8-PeCDD	2923000	1.50 y	24:51	0.89	2.50	n
Total PeCDD	-	- n	-	0.89	2.50	n
13C-1,2,3,7,8,9-HxCDD	227515900	1.32 y	30:59	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	228486500	0.53 y	29:44	1.00	100.00	n
1,2,3,4,7,8-HxCDF	6361060	1.36 y	29:45	1.11	2.50	n
1,2,3,6,7,8-HxCDF	7610610	1.22 y	29:53	1.33	2.50	n
2,3,4,6,7,8-HxCDF	6873540	1.31 y	30:29	1.20	2.50	n
1,2,3,7,8,9-HxCDF	6602240	1.19 y	31:10	1.16	2.50	n
Total HxCDF	-	- n	-	1.20	10.00	n
13C-1,2,3,6,7,8-HxCDD	170360900	1.31 y	30:42	0.75	100.00	n
1,2,3,4,7,8-HxCDD	3797170	1.27 y	30:38	0.89	2.50	n
1,2,3,6,7,8-HxCDD	3982690	1.30 y	30:43	0.94	2.50	n
1,2,3,7,8,9-HxCDD	4863240	1.28 y	31:00	1.14	2.50	n
Total HxCDD	-	- n	-	0.99	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	239354800	0.46 y	32:35	1.05	100.00	n
1,2,3,4,6,7,8-HpCDF	6687110	1.10 y	32:36	1.12	2.50	n
1,2,3,4,7,8,9-HpCDF	6339150	1.04 y	33:48	1.06	2.50	n
Total HpCDF	-	- n	-	1.09	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	177392900	1.08 y	33:27	0.78	100.00	n
1,2,3,4,6,7,8-HpCDD	4179990	1.06 y	33:28	0.94	2.50	n
Total HpCDD	-	- n	-	0.94	2.50	n
13C-OCDD	182068900	0.94 y	36:04	0.40	200.00	n
OCDF	7410000	0.80 y	36:11	1.63	5.00	n

OCDD 5332880 0.86 y 36:05 1.17 5.00 n

1
1
1

Run #2 Filename 14SE101D5 S: 3 I: 1
 Acquired: 14-SEP-10 12:02:26 Processed: 14-SEP-10 15:11:08
 Run: 14SE101D5 Analyte: TO9 Cal: TO90914101D5

Comments:

Sample text: ST0914A :CS2 10DXN335

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	289623000	0.82 y	18:03	-	100.00	n
13C-2,3,7,8-TCDF	465726000	0.80 y	17:30	1.61	100.00	n
2,3,7,8-TCDF	7633250	0.73 y	17:30	0.82	2.00	n
Total TCDF	-	- n	-	0.82	2.00	n
13C-2,3,7,8-TCDD	271341000	0.81 y	18:14	0.94	100.00	n
2,3,7,8-TCDD	4973300	0.81 y	18:15	0.92	2.00	n
Total TCDD	-	- n	-	0.92	2.00	n
37Cl-2,3,7,8-TCDD	5944440	1.00 y	18:15	1.10	2.00	n
13C-1,2,3,7,8-PeCDF	347627000	1.63 y	22:42	1.20	100.00	n
1,2,3,7,8-PeCDF	33792700	1.62 y	22:44	0.97	10.00	n
2,3,4,7,8-PeCDF	32045800	1.61 y	24:06	0.92	10.00	n
Total F2 PeCDF	-	- n	-	0.95	20.00	n
Total F1 PeCDF	-	- n	-	0.95	20.00	n
13C-1,2,3,7,8-PeCDD	189230600	1.73 y	24:49	0.65	100.00	n
1,2,3,7,8-PeCDD	17361110	1.65 y	24:50	0.92	10.00	n
Total PeCDD	-	- n	-	0.92	10.00	n
13C-1,2,3,7,8,9-HxCDD	306085000	1.26 y	30:59	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	321465000	0.53 y	29:44	1.05	100.00	n
1,2,3,4,7,8-HxCDF	38950600	1.28 y	29:45	1.21	10.00	n
1,2,3,6,7,8-HxCDF	47402900	1.28 y	29:53	1.47	10.00	n
2,3,4,6,7,8-HxCDF	41568700	1.27 y	30:28	1.29	10.00	n
1,2,3,7,8,9-HxCDF	41849700	1.28 y	31:10	1.30	10.00	n
Total HxCDF	-	- n	-	1.32	40.00	n
13C-1,2,3,6,7,8-HxCDD	229169000	1.25 y	30:41	0.75	100.00	n
1,2,3,4,7,8-HxCDD	24039000	1.31 y	30:37	1.05	10.00	n
1,2,3,6,7,8-HxCDD	23921800	1.34 y	30:42	1.04	10.00	n
1,2,3,7,8,9-HxCDD	28230500	1.28 y	30:59	1.23	10.00	n
Total HxCDD	-	- n	-	1.11	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	327683000	0.45 y	32:35	1.07	100.00	n
1,2,3,4,6,7,8-HpCDF	43176900	1.03 y	32:35	1.32	10.00	n
1,2,3,4,7,8,9-HpCDF	38352900	1.04 y	33:47	1.17	10.00	n
Total HpCDF	-	- n	-	1.24	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	252214000	1.08 y	33:27	0.82	100.00	n
1,2,3,4,6,7,8-HpCDD	26020700	1.06 y	33:28	1.03	10.00	n
Total HpCDD	-	- n	-	1.03	10.00	n
13C-OCDD	254330000	0.93 y	36:04	0.42	200.00	n
OCDF	49492200	0.88 y	36:11	1.95	20.00	n
OCDD	31289700	0.90 y	36:05	1.23	20.00	n

Run #3 Filename 14SE101D5 S: 2 I: 1
 Acquired: 14-SEP-10 11:17:57 Processed: 14-SEP-10 15:11:09
 Run: 14SE101D5 Analyte: TO9 Cal: TO90914101D5

Comments:

Sample text: ST0914 :CS3 10DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	357156000	0.80 y	17:59	-	100.00	n
13C-2,3,7,8-TCDF	555370000	0.80 y	17:27	1.55	100.00	n
2,3,7,8-TCDF	58577500	0.75 y	17:28	1.05	10.00	n
Total TCDF	-	- n	-	1.05	10.00	n
13C-2,3,7,8-TCDD	343962000	0.82 y	18:11	0.96	100.00	n
2,3,7,8-TCDD	36563200	0.73 y	18:12	1.06	10.00	n
Total TCDD	-	- n	-	1.06	10.00	n
37Cl-2,3,7,8-TCDD	41323600	1.00 y	18:12	1.20	10.00	n
13C-1,2,3,7,8-PeCDF	391403000	1.64 y	22:38	1.10	100.00	n
1,2,3,7,8-PeCDF	238177800	1.63 y	22:40	1.22	50.00	n
2,3,4,7,8-PeCDF	222708000	1.61 y	24:01	1.14	50.00	n
Total F2 PeCDF	-	- n	-	1.18	100.00	n
Total F1 PeCDF	-	- n	-	1.18	100.00	n
13C-1,2,3,7,8-PeCDD	211605800	1.64 y	24:44	0.59	100.00	n
1,2,3,7,8-PeCDD	123197100	1.65 y	24:46	1.16	50.00	n
Total PeCDD	-	- n	-	1.16	50.00	n
13C-1,2,3,7,8,9-HxCDD	357457000	1.27 y	30:57	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	357535000	0.51 y	29:42	1.00	100.00	n
1,2,3,4,7,8-HxCDF	249750000	1.27 y	29:43	1.40	50.00	n
1,2,3,6,7,8-HxCDF	282274000	1.26 y	29:51	1.58	50.00	n
2,3,4,6,7,8-HxCDF	271872000	1.27 y	30:27	1.52	50.00	n
1,2,3,7,8,9-HxCDF	274357000	1.27 y	31:08	1.53	50.00	n
Total HxCDF	-	- n	-	1.51	200.00	n
13C-1,2,3,6,7,8-HxCDD	262329000	1.28 y	30:40	0.73	100.00	n
1,2,3,4,7,8-HxCDD	163952700	1.25 y	30:35	1.25	50.00	n
1,2,3,6,7,8-HxCDD	163357400	1.28 y	30:41	1.25	50.00	n
1,2,3,7,8,9-HxCDD	207869000	1.26 y	30:58	1.58	50.00	n
Total HxCDD	-	- n	-	1.36	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	317477600	0.45 y	32:33	0.89	100.00	n
1,2,3,4,6,7,8-HpCDF	255385000	1.06 y	32:34	1.61	50.00	n
1,2,3,4,7,8,9-HpCDF	216392000	1.05 y	33:46	1.36	50.00	n
Total HpCDF	-	- n	-	1.49	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	240997000	1.09 y	33:25	0.67	100.00	n
1,2,3,4,6,7,8-HpCDD	151444000	1.06 y	33:26	1.26	50.00	n
Total HpCDD	-	- n	-	1.26	50.00	n
13C-OCDD	228085000	0.94 y	36:02	0.32	200.00	n
OCDF	269129000	0.90 y	36:09	2.36	100.00	n
OCDD	173389800	0.91 y	36:03	1.52	100.00	n

Run #4 Filename 14SE101D5 S: 6 I: 1
 Acquired: 14-SEP-10 14:11:20 Processed: 14-SEP-10 15:11:10
 Run: 14SE101D5 Analyte: TO9 Cal: TO90914101D5
 Comments:

Sample text: ST0914D :CS4 10DXN337

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	535520000	0.81 y	18:04	-	100.00	n
13C-2,3,7,8-TCDF	842813000	0.80 y	17:32	1.57	100.00	n
2,3,7,8-TCDF	362427000	0.79 y	17:33	1.08	40.00	n
Total TCDF	-	- n	-	1.08	40.00	n
13C-2,3,7,8-TCDD	466344000	0.81 y	18:16	0.87	100.00	n
2,3,7,8-TCDD	212495900	0.79 y	18:17	1.14	40.00	n
Total TCDD	-	- n	-	1.14	40.00	n
37Cl-2,3,7,8-TCDD	256370000	1.00 y	18:17	1.37	40.00	n
13C-1,2,3,7,8-PeCDF	511683000	1.64 y	22:41	0.96	100.00	n
1,2,3,7,8-PeCDF	1219739000	1.58 y	22:43	1.19	200.00	n
2,3,4,7,8-PeCDF	1127043000	1.58 y	24:04	1.10	200.00	n
Total F2 PeCDF	-	- n	-	1.15	400.00	n
Total F1 PeCDF	-	- n	-	1.15	400.00	n
13C-1,2,3,7,8-PeCDD	274657000	1.64 y	24:48	0.51	100.00	n
1,2,3,7,8-PeCDD	638842000	1.59 y	24:49	1.16	200.00	n
Total PeCDD	-	- n	-	1.16	200.00	n
13C-1,2,3,7,8,9-HxCDD	462770000	1.27 y	30:57	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	468583000	0.56 y	29:44	1.01	100.00	n
1,2,3,4,7,8-HxCDF	1292220000	1.25 y	29:45	1.38	200.00	n
1,2,3,6,7,8-HxCDF	1430910000	1.26 y	29:52	1.53	200.00	n
2,3,4,6,7,8-HxCDF	1339583000	1.26 y	30:28	1.43	200.00	n
1,2,3,7,8,9-HxCDF	1316898000	1.27 y	31:10	1.41	200.00	n
Total HxCDF	-	- n	-	1.44	800.00	n
13C-1,2,3,6,7,8-HxCDD	317580000	1.28 y	30:41	0.69	100.00	n
1,2,3,4,7,8-HxCDD	814845000	1.40 y	30:37	1.28	200.00	n
1,2,3,6,7,8-HxCDD	802389000	1.14 y	30:42	1.26	200.00	n
1,2,3,7,8,9-HxCDD	945931000	1.27 y	30:58	1.49	200.00	n
Total HxCDD	-	- n	-	1.35	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	398825000	0.45 y	32:35	0.86	100.00	n
1,2,3,4,6,7,8-HpCDF	1206583000	1.05 y	32:35	1.51	200.00	n
1,2,3,4,7,8,9-HpCDF	1018709000	1.05 y	33:47	1.28	200.00	n
Total HpCDF	-	- n	-	1.39	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	290273000	1.07 y	33:27	0.63	100.00	n
1,2,3,4,6,7,8-HpCDD	700815000	1.06 y	33:28	1.21	200.00	n
Total HpCDD	-	- n	-	1.21	200.00	n
13C-OCDD	265263000	0.94 y	36:03	0.29	200.00	n
OCDF	1216609000	0.91 y	36:11	2.29	400.00	n
OCDD	778765000	0.91 y	36:04	1.47	400.00	n

Run #5 Filename 14SE101D5 S: 5 I: 1
 Acquired: 14-SEP-10 13:28:23 Processed: 14-SEP-10 15:11:11
 Run: 14SE101D5 Analyte: TO9 Cal: TO90914101D5
 Comments:

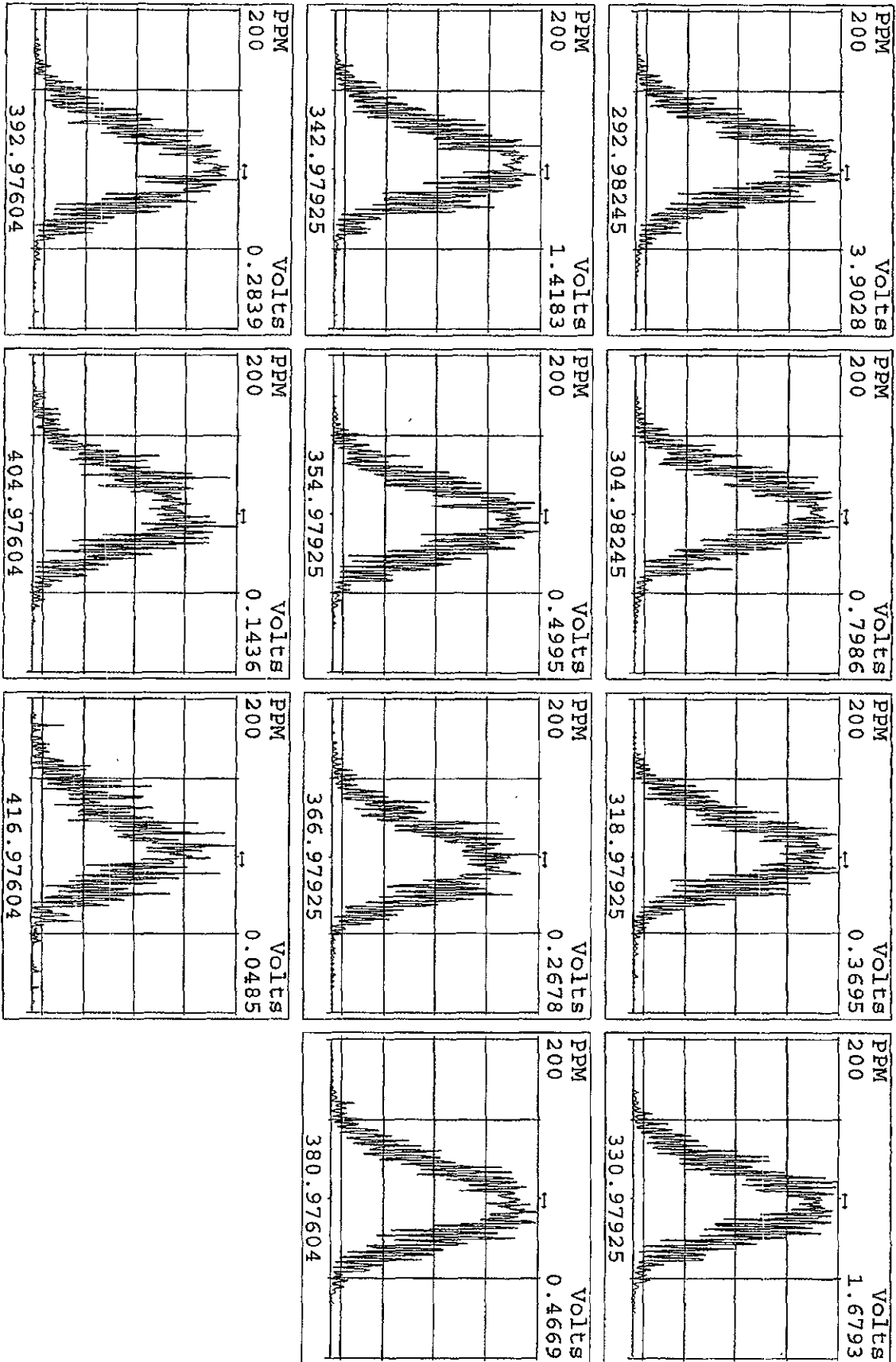
Sample text: ST0914C :CS5 10DXN339

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	347112000	0.80 y	18:00	-	100.00	n
13C-2,3,7,8-TCDF	522588000	0.81 y	17:27	1.51	100.00	n
2,3,7,8-TCDF	1115977000	0.78 y	17:28	1.07	200.00	n
Total TCDF	-	- n	-	1.07	200.00	n
13C-2,3,7,8-TCDD	307117000	0.80 y	18:12	0.88	100.00	n
2,3,7,8-TCDD	692640000	0.79 y	18:13	1.13	200.00	n
Total TCDD	-	- n	-	1.13	200.00	n
37Cl-2,3,7,8-TCDD	876576000	1.00 y	18:13	1.43	200.00	n
13C-1,2,3,7,8-PeCDF	300248000	1.65 y	22:40	0.86	100.00	n
1,2,3,7,8-PeCDF	3574990000	1.58 y	22:42	1.19	1000.00	n
2,3,4,7,8-PeCDF	3329380000	1.58 y	24:03	1.11	1000.00	n
Total F2 PeCDF	-	- n	-	1.15	2000.00	n
Total F1 PeCDF	-	- n	-	1.15	2000.00	n
13C-1,2,3,7,8-PeCDD	152444200	1.63 y	24:47	0.44	100.00	n
1,2,3,7,8-PeCDD	1862059000	1.60 y	24:49	1.22	1000.00	n
Total PeCDD	-	- n	-	1.22	1000.00	n
13C-1,2,3,7,8,9-HxCDD	287274000	1.27 y	30:58	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	254792000	0.50 y	29:43	0.89	100.00	n
1,2,3,4,7,8-HxCDF	3066580000	1.22 y	29:44	1.20	1000.00	n
1,2,3,6,7,8-HxCDF	4440590000	1.26 y	29:51	1.74	1000.00	n
2,3,4,6,7,8-HxCDF	4051220000	1.25 y	30:28	1.59	1000.00	n
1,2,3,7,8,9-HxCDF	4033520000	1.27 y	31:09	1.58	1000.00	n
Total HxCDF	-	- n	-	1.53	4000.00	n
13C-1,2,3,6,7,8-HxCDD	224019200	1.30 y	30:41	0.78	100.00	n
1,2,3,4,7,8-HxCDD	2521560000	1.25 y	30:36	1.13	1000.00	n
1,2,3,6,7,8-HxCDD	2729310000	1.28 y	30:42	1.22	1000.00	n
1,2,3,7,8,9-HxCDD	2959990000	1.26 y	30:59	1.32	1000.00	n
Total HxCDD	-	- n	-	1.22	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	260830600	0.46 y	32:34	0.91	100.00	n
1,2,3,4,6,7,8-HpCDF	3870970000	1.04 y	32:35	1.48	1000.00	n
1,2,3,4,7,8,9-HpCDF	3413660000	1.05 y	33:46	1.31	1000.00	n
Total HpCDF	-	- n	-	1.40	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	188408700	1.09 y	33:26	0.66	100.00	n
1,2,3,4,6,7,8-HpCDD	2324050000	1.07 y	33:27	1.23	1000.00	n
Total HpCDD	-	- n	-	1.23	1000.00	n
13C-OCDD	196611600	0.93 y	36:03	0.34	200.00	n
OCDF	4641040000	0.92 y	36:10	2.36	2000.00	n
OCDD	2881020000	0.92 y	36:03	1.47	2000.00	n

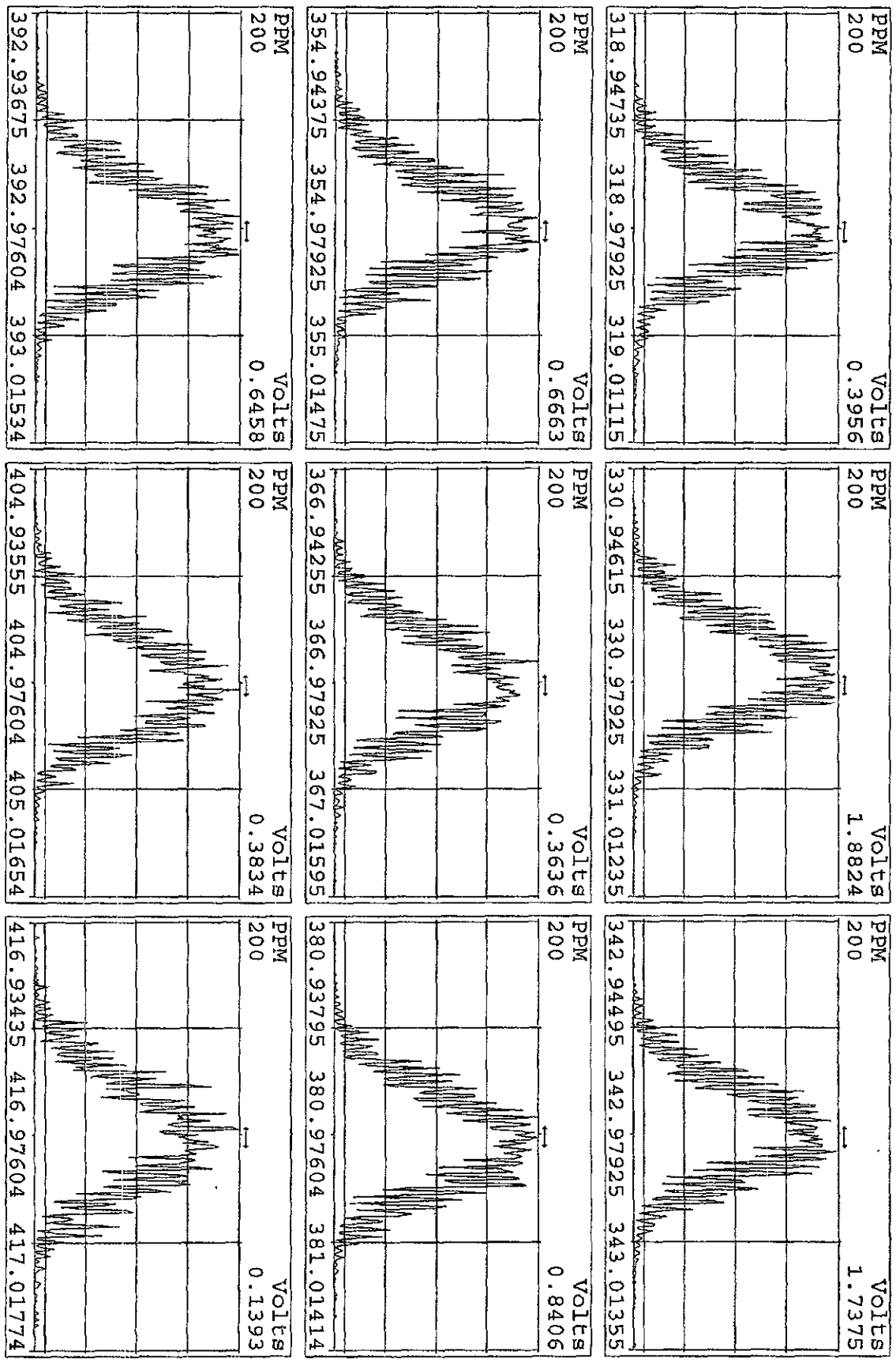
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
14SE101D5	1	CP0914	DB-5 CPSM 3732-07				1.00000	
14SE101D5	2	ST0914	CS3 10DXN426				1.00000	
14SE101D5	3	ST0914A	CS2 10DXN335				1.00000	
14SE101D5	4	ST0914B	CS1 10DXN342				1.00000	
14SE101D5	5	ST0914C	CS5 10DXN339				1.00000	
14SE101D5	6	ST0914D	CS4 10DXN337				1.00000	
14SE101D5	7	ST0914E	2nd Source 10DXN340				1.00000	
14SE101D5	8	ST0914F	CS3 10DXN426				1.00000	
14SE101D5	9	ST0914G	CS2 10DXN335				1.00000	
14SE101D5	10	L6HRQ-1-AA	G0I030000-170B	20	8290/1613B	28	10.00000	g
14SE101D5	11	L53H4-1-AD	G0H240520-1MS	20	1613B/SOLID		10.06000	g
14SE101D5	12	L53H4-1-AE	G0H240520-1SD	20	1613B/SOLID		10.23000	g
14SE101D5	13	L58JX-1-AC	G0H270560-1	20	1613B/SOLID	23	10.29000	g
14SE101D5	14	L6HRQ-1-AC	G0I030000-170C	20	8290/1613B	28	10.00000	g
14SE101D5	15	L6HRQ-1-AD	G0I030000-170L	20	8290/1613B		10.00000	g
14SE101D5	16	ST0914H	CS2 10DXN335				1.00000	
14SE101D5	17						1.00000	
14SE101D5	18						1.00000	
14SE101D5	19		MG 09/14/10				1.00000	

log file reviewed
9-14-10 AM

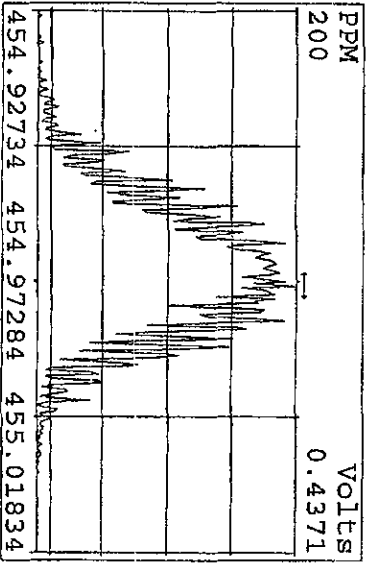
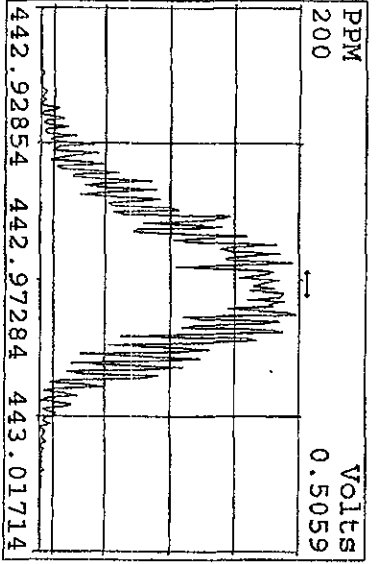
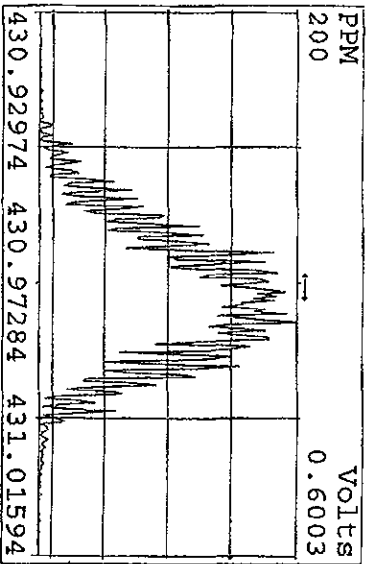
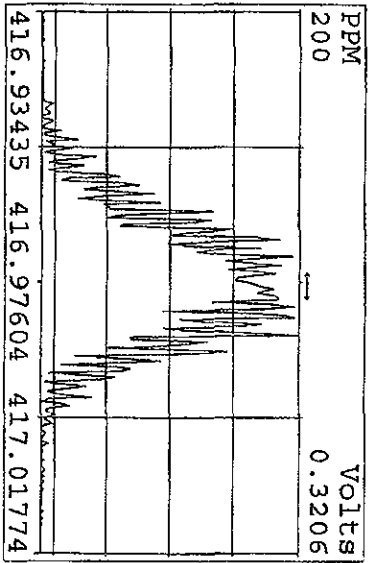
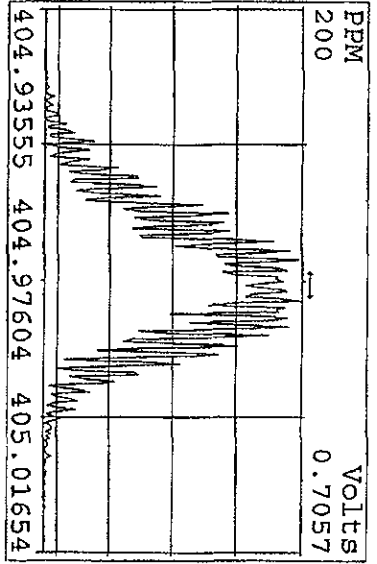
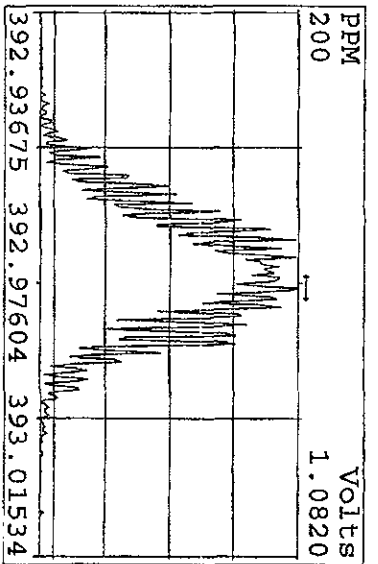
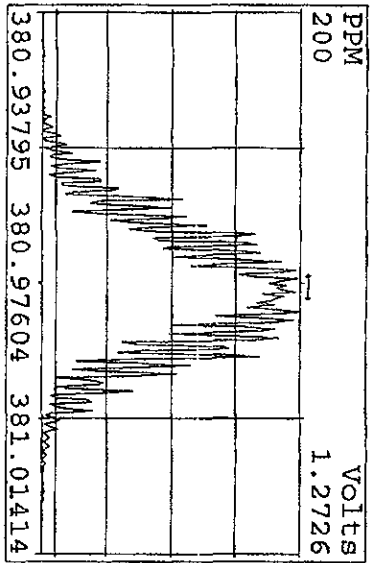
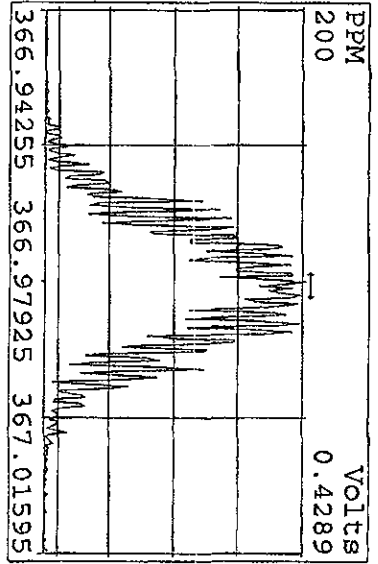
Peak Locate Examination: 14-SEP-2010:10:30 File: 14SE101D5
Experiment: DIOXINRES Function: I Reference: PFK



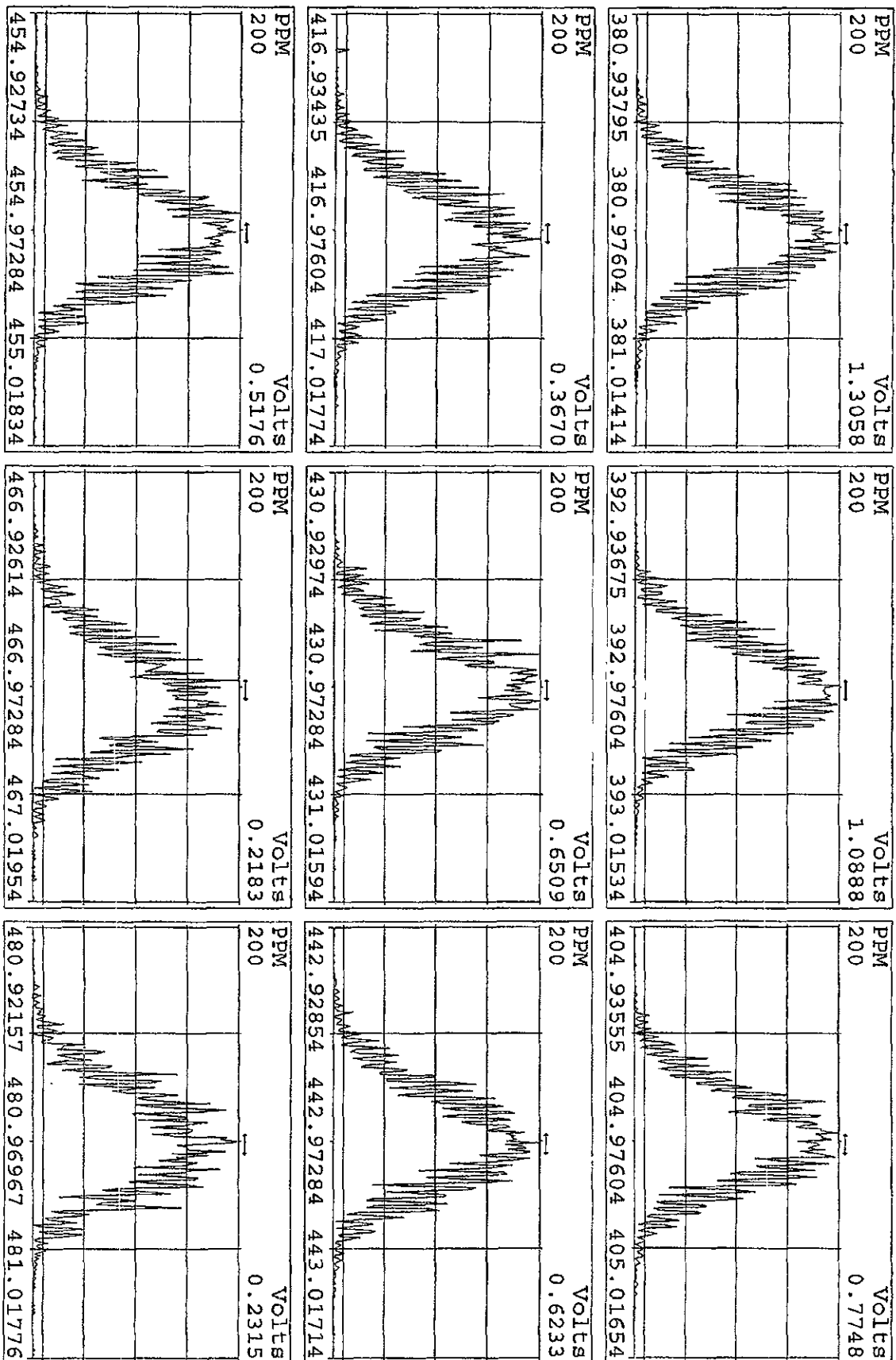
Peak Locate Examination: 14-SEP-2010:10:31 File:14SEI01DS
 Experiment:DIOXINRES Function:2 Reference:PFK



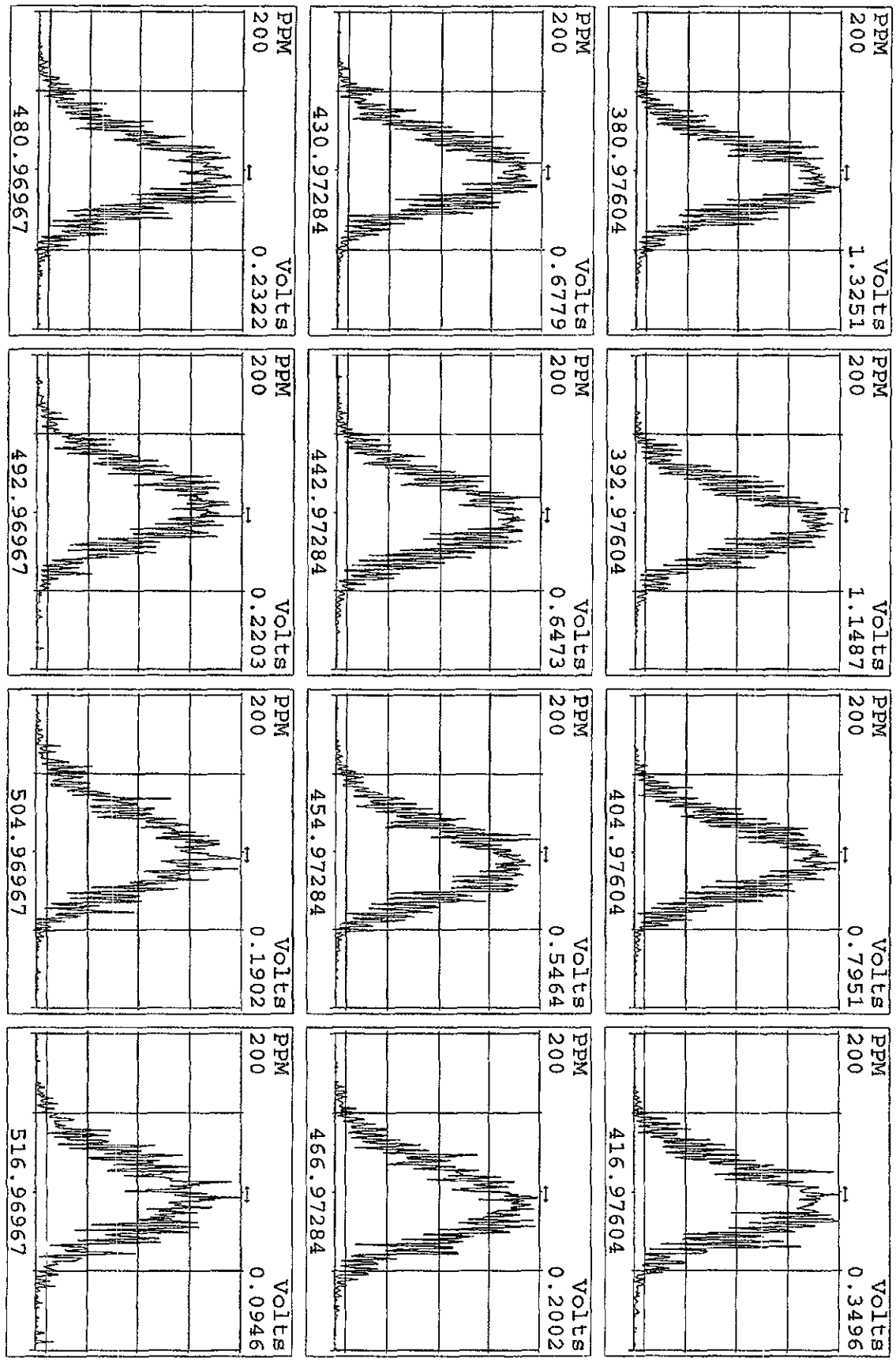
Peak Locate Examination:14-SEP-2010:10:32 File:14SE101D5
 Experiment:DIOXINRES Function:3 Reference:PKK



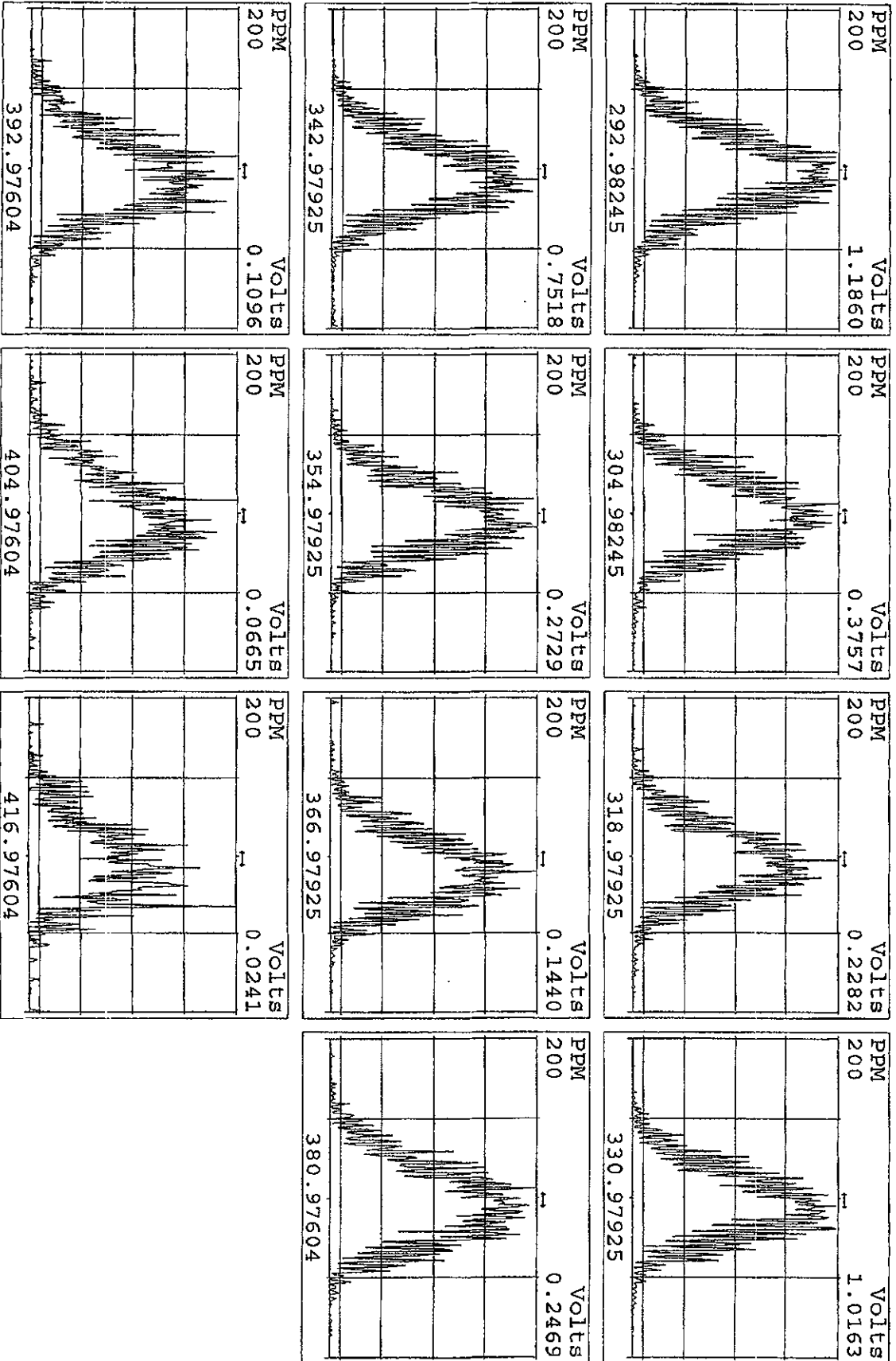
Peak Locate Examination:14-SEP-2010:10:33 File:14SE101D5
 Experiment:DIOXINRES Function:4 Reference:PFK



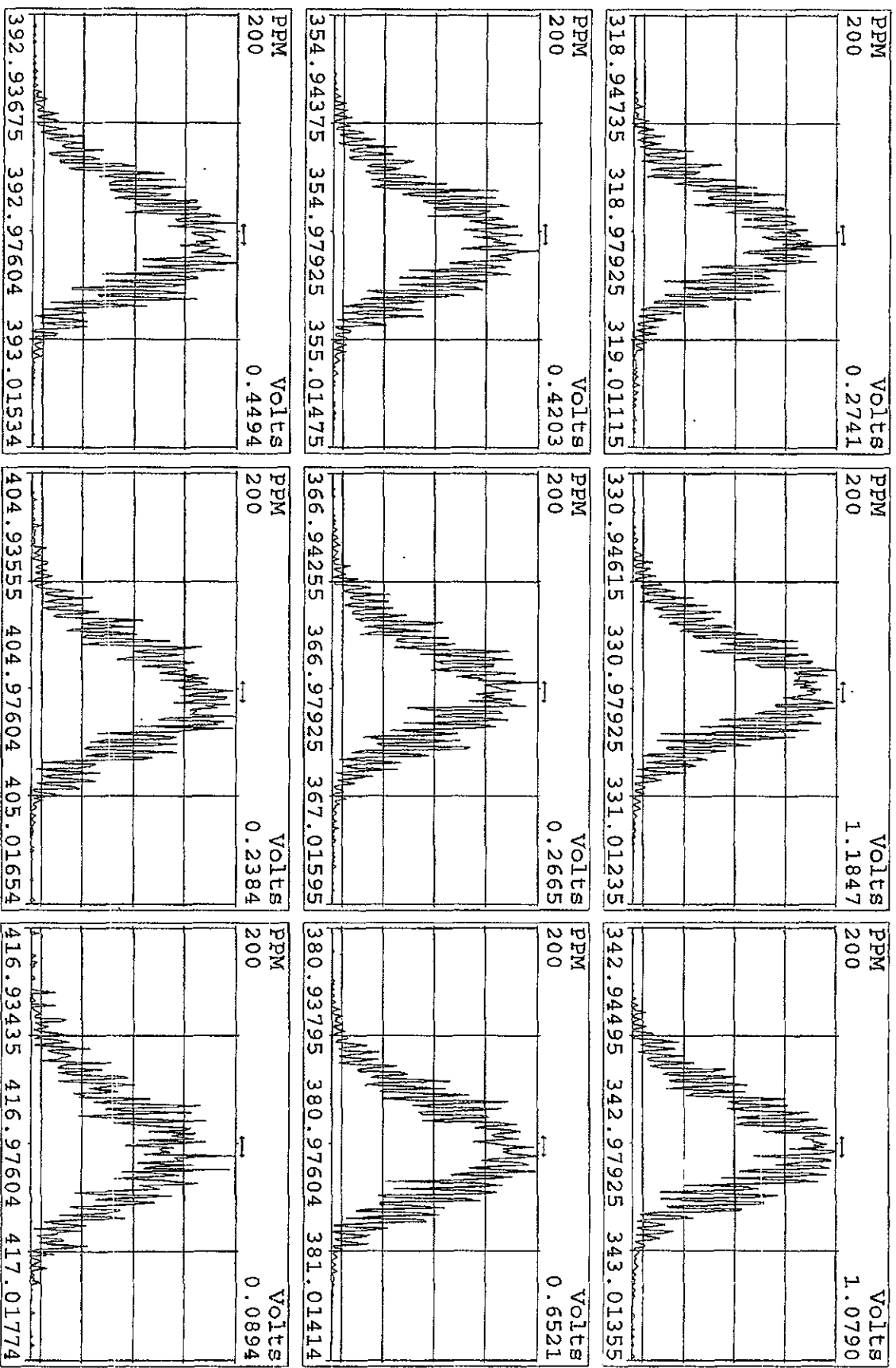
Peak Locate Examination:14-SEP-2010:10:33 File:14SEP101D5
Experiment:DIOXINES Function:5 Reference:PFK



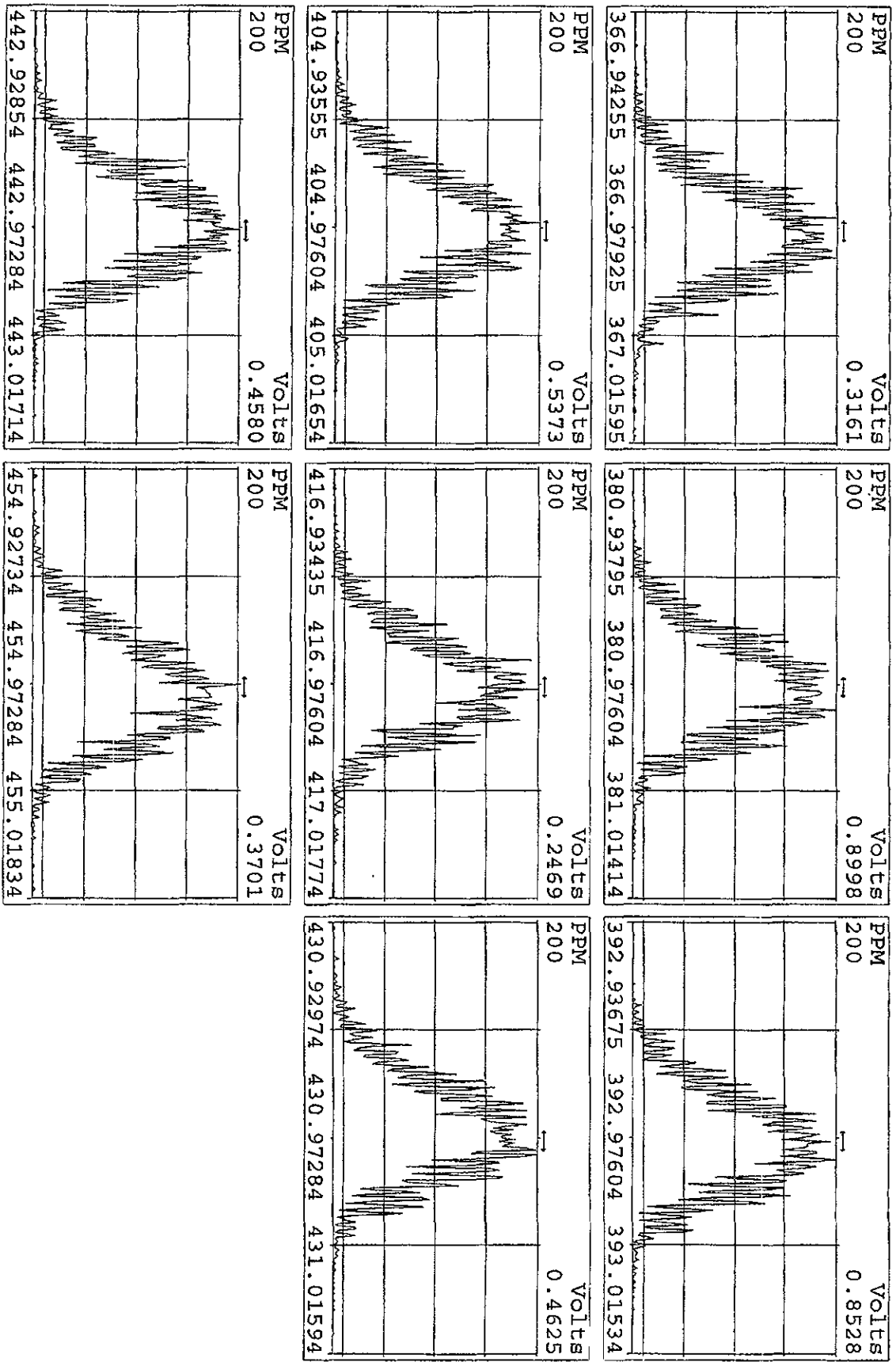
Peak Locate Examination:14-SEP-2010:22:10 File:RESCHK14SE101D5
Experiment:DIOXINRES Function:1 Reference:PRK



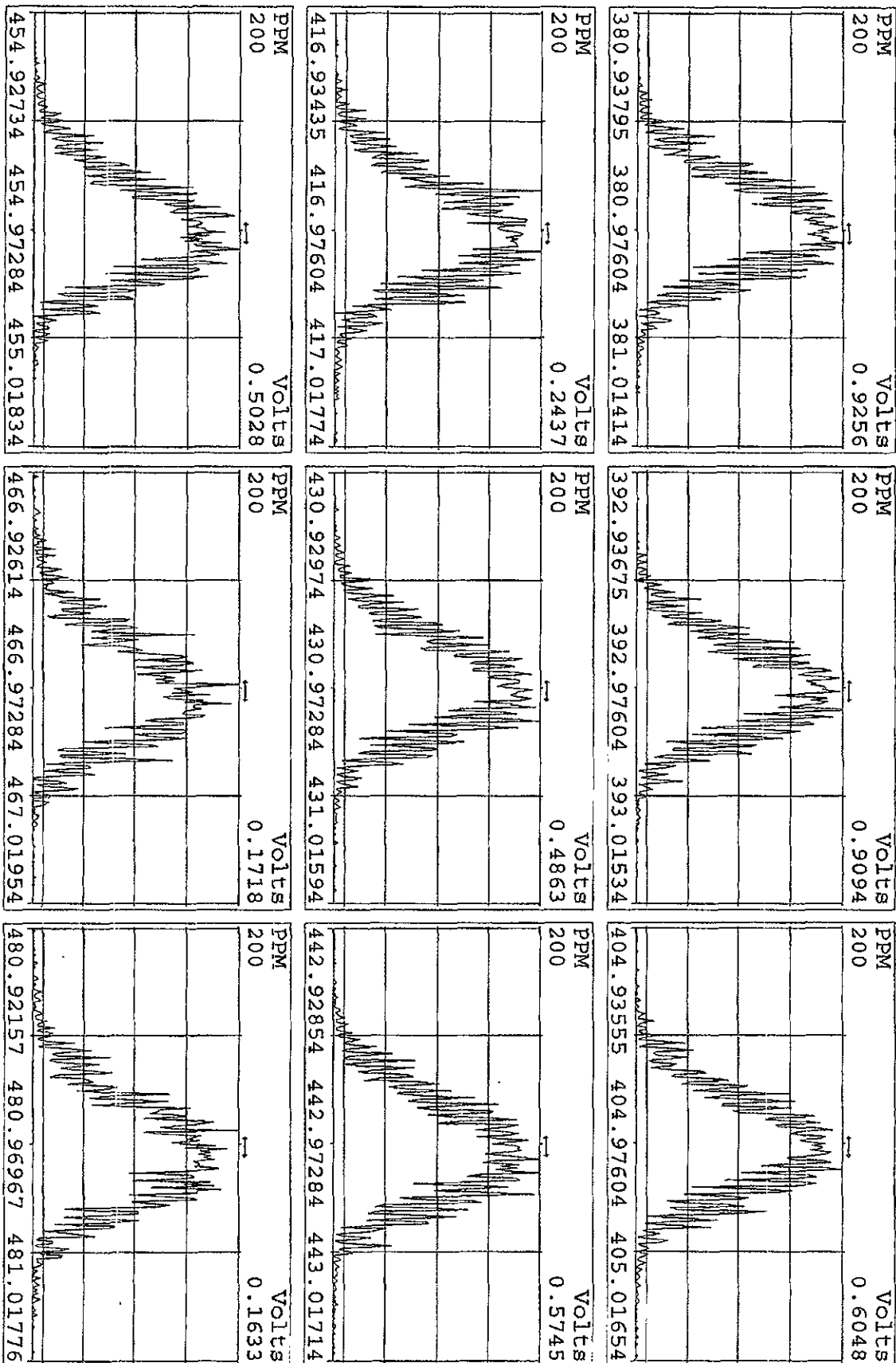
Peak Locate Examination: 14-SEP-2010:22:12 File: RESCHK14SE101D5
 Experiment: DIOXINRES Function: 2 Reference: PFK



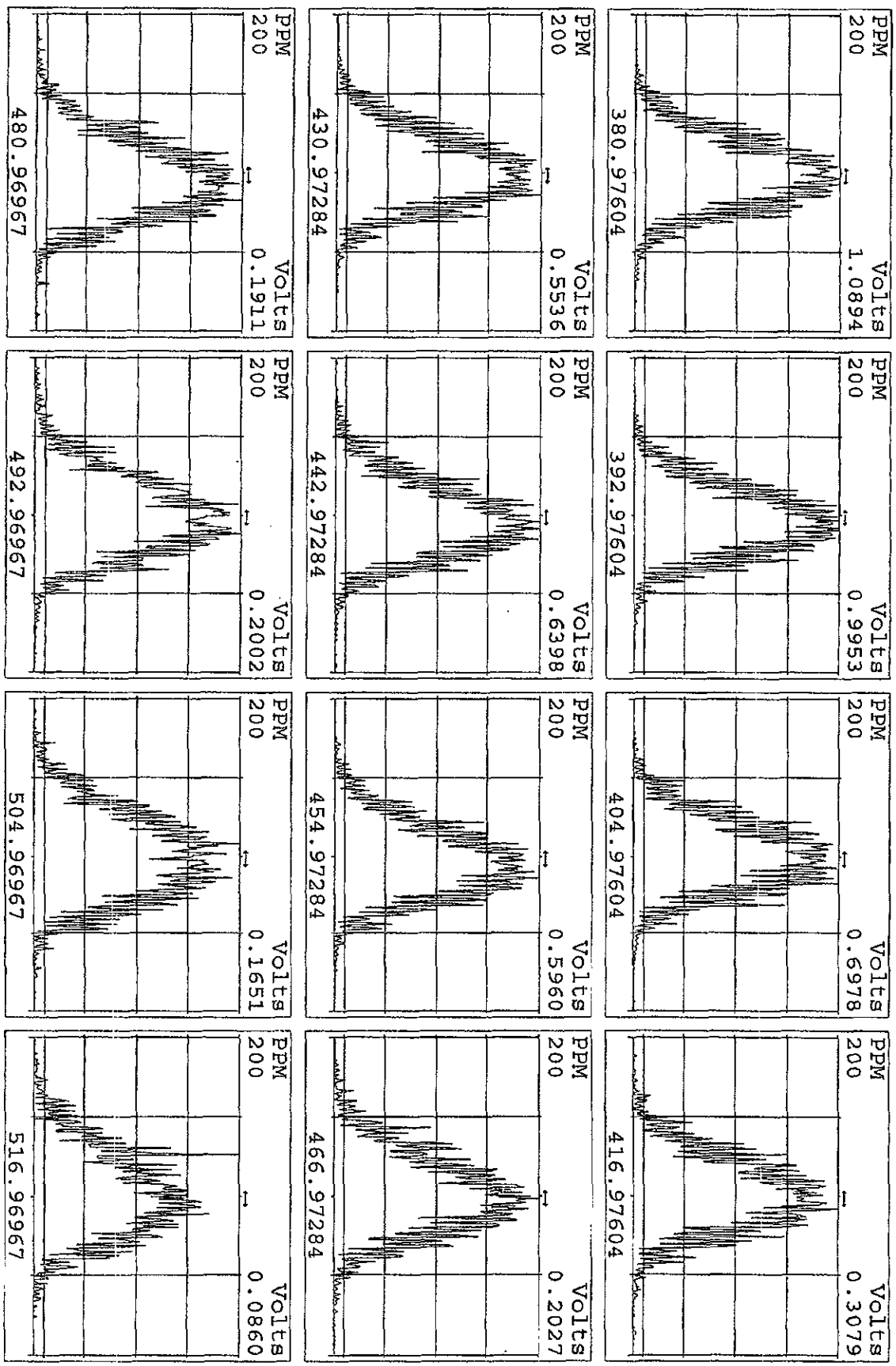
Peak Locate Examination: 14-SEP-2010:22:15 File: RESCHK14SEI01D5
 Experiment: DIOXINRES Function: 3 Reference: PFK



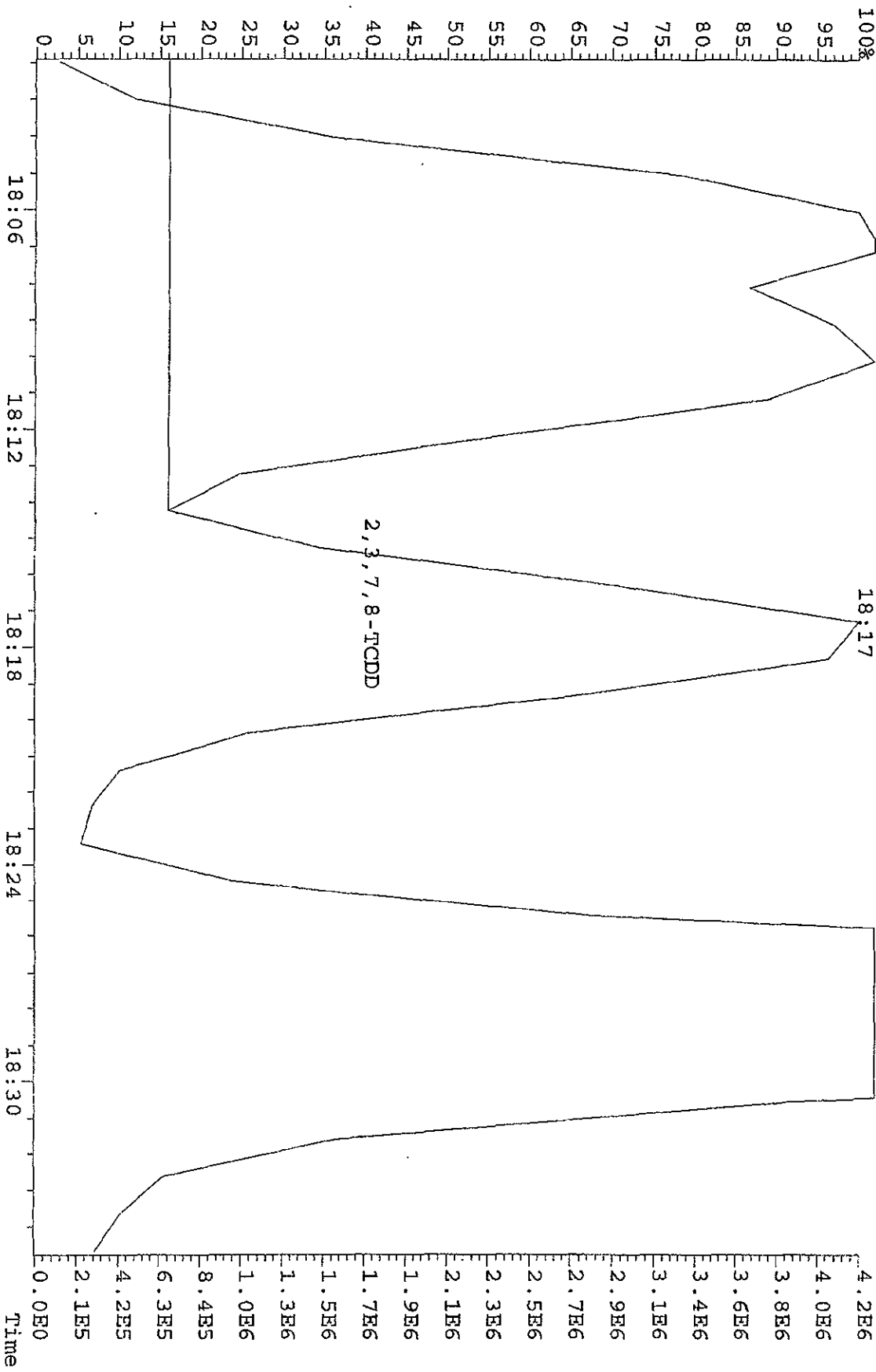
Peak Locate Examination: 14-SEP-2010:22:16 File: RESCHK14SEI01D5
 Experiment: DIOXINRES Function: 4 Reference: PFK



Peak Locate Examination:14-SEP-2010:22:21 File:RESCHK14SEP101DS
Experiment:DIOXINRES Function:5 Reference:PFK



File: 14SR101D5 #1-383 Acq: 14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
 321.8936 Exp: DIOXINRES
 Sample Text: CP0914 : DB-5 CPSM 3732-07

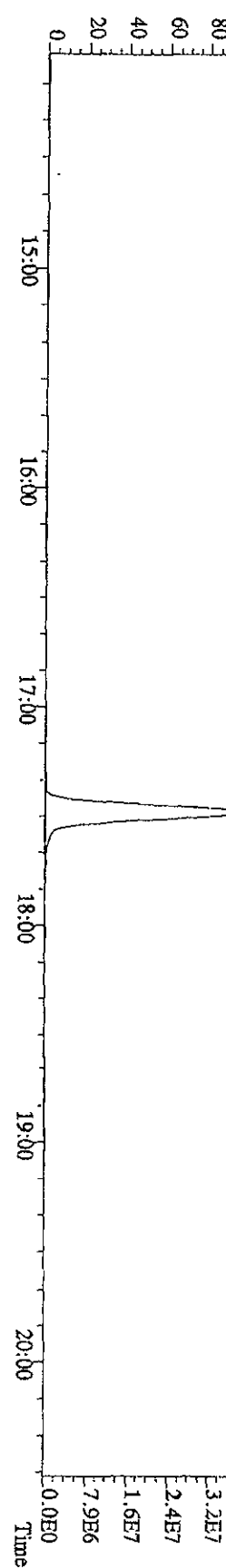
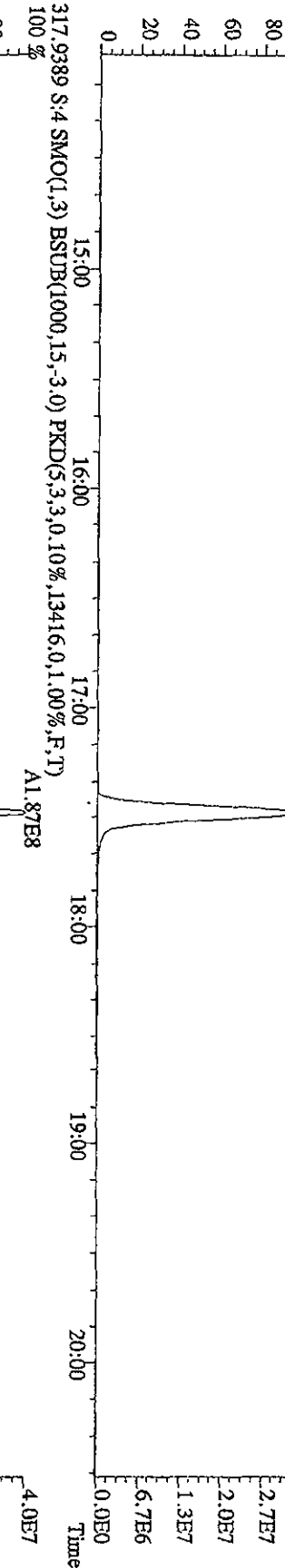
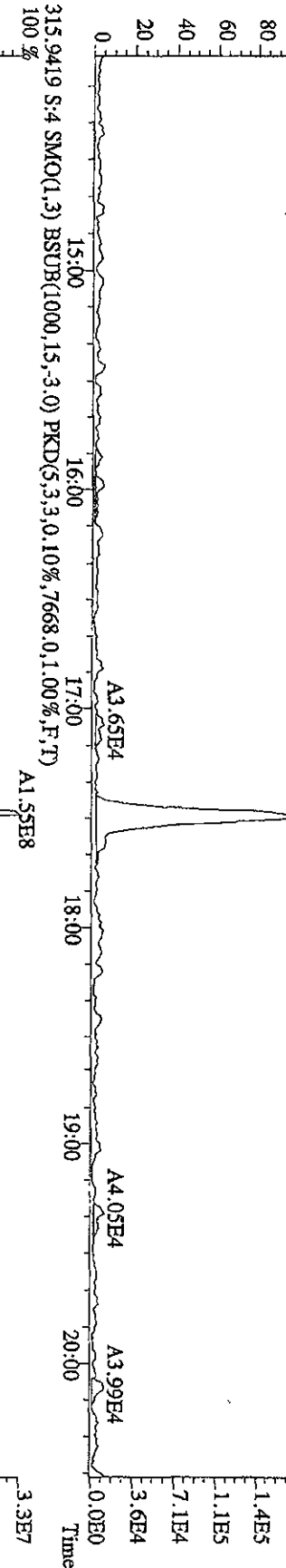
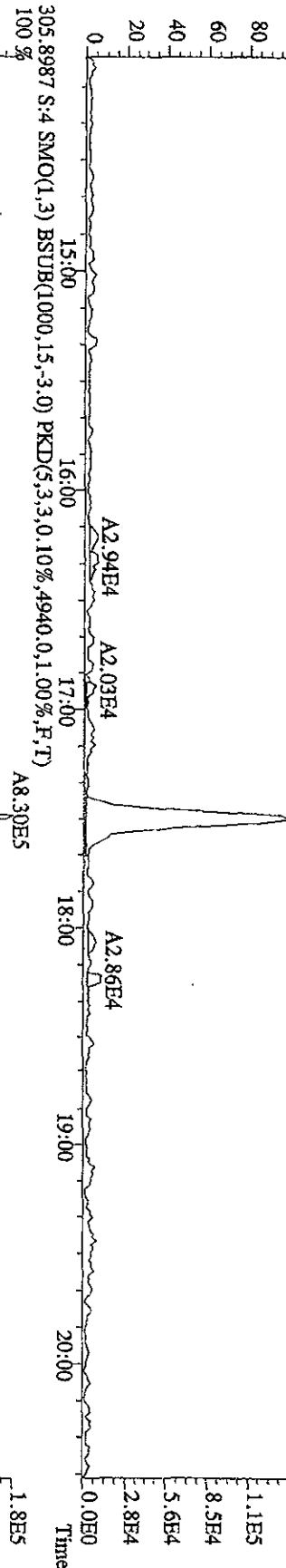


Run text: ST0914E Sample text: ST0914E :2nd Source 10DXN340
 Run #6 Filename: 14SE101D5 S: 7 I: 1 Results: 14SE101D51613
 Acquired: 14-SEP-10 14:54:17 Processed: 14-SEP-10 21:06:22
 Run: 14SE101D5 Analyte: 1613 Cal: 16130914101D5
 Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000

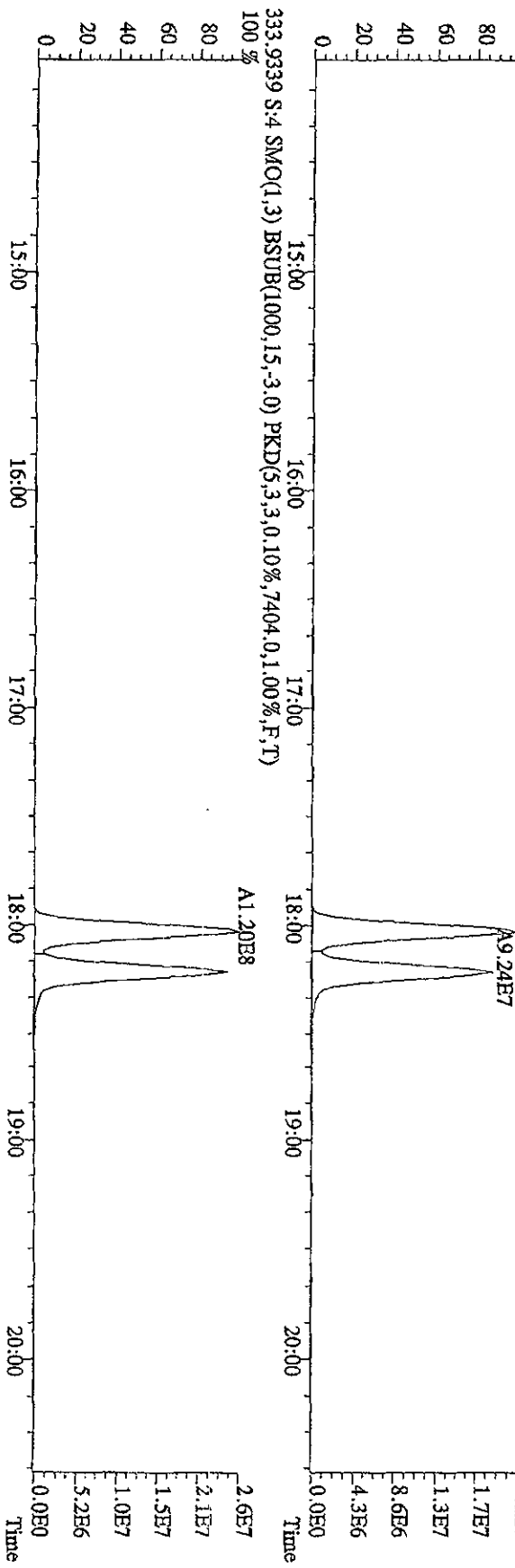
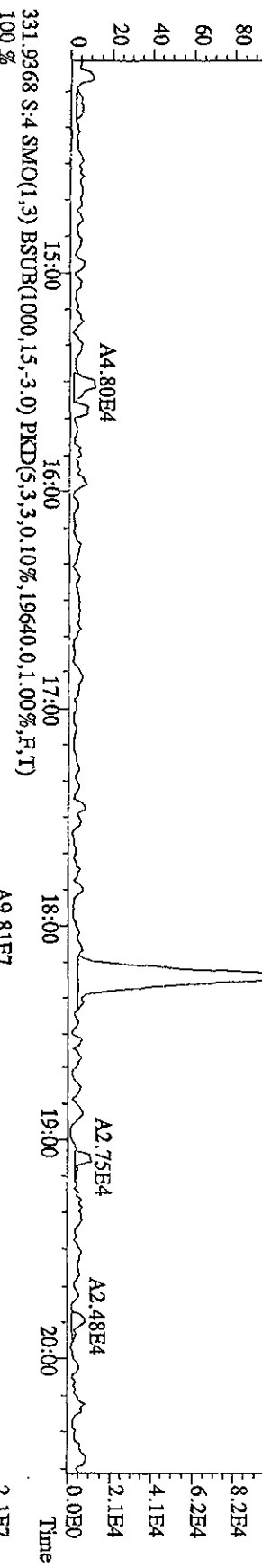
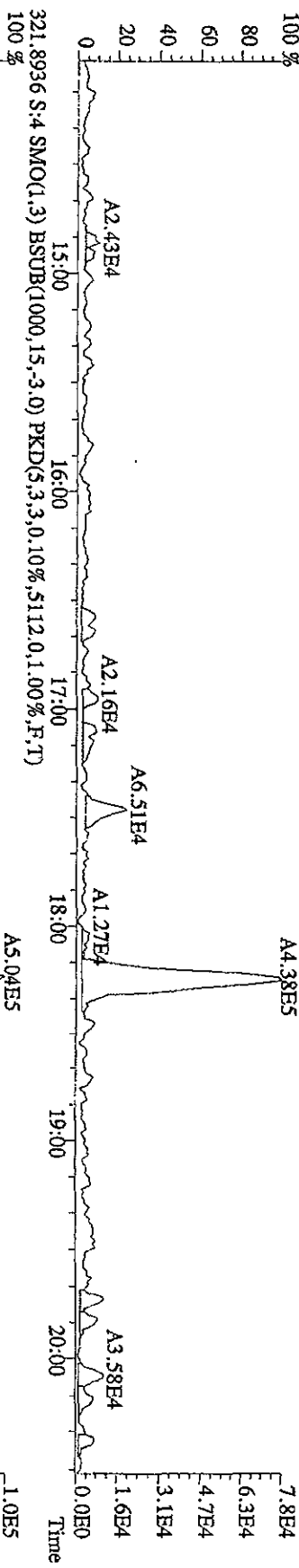
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	294707000	0.83 y	18:01	-	84.34	-	4.2	n
13C-2,3,7,8-TCDF	504927000	0.81 y	17:29	1.56	2192.25	0.84	109.6	n
2,3,7,8-TCDF	45869100	0.74 y	17:30	0.98	184.69	0.39	-	n
Total TCDF	46046046	1.11 n	17:06	0.98	185.40	0.39	-	n
13C-2,3,7,8-TCDD	290657000	0.79 y	18:12	0.92	2141.97	3.25	107.1	n
2,3,7,8-TCDD	27099900	0.81 y	18:13	1.03	180.75	0.94	-	n
Total TCDD	27099900	0.81 y	18:13	1.03	180.75	0.94	-	n
37Cl-2,3,7,8-TCDD	73359000	1.00 y	18:13	1.12	442.68	1.28	110.7	n
13C-1,2,3,7,8-PeCDF	369828000	1.63 y	22:41	1.05	2384.48	1.65	119.2	n
1,2,3,7,8-PeCDF	91904300	1.62 y	22:43	1.09	455.07	1.01	-	n
13C-2,3,4,7,8-PeCDF	352541000	1.64 y	24:03	1.03	2326.05	1.69	116.3	n
2,3,4,7,8-PeCDF	85889400	1.59 y	24:05	1.05	466.16	1.22	-	n
Total F2 PeCDF	179869859	1.36 y	21:19	1.07	931.99	1.11	-	n
Total F1 PeCDF	470418	0.68 n	15:13	1.07	2.44	0.78	-	n
13C-1,2,3,7,8-PeCDD	194246700	1.68 y	24:49	0.56	2350.36	1.07	117.5	n
1,2,3,7,8-PeCDD	44763900	1.67 y	24:50	1.07	430.61	1.58	-	n
Total PeCDD	44950087	2.35 n	23:19	1.07	432.40	1.58	-	n
13C-1,2,3,7,8,9-HxCDD	312431000	1.27 y	30:58	-	95.19	-	-	n
13C-1,2,3,4,7,8-HxCDF	326959000	0.53 y	29:44	0.99	2112.34	2.10	105.6	n
1,2,3,4,7,8-HxCDF	106342300	1.35 y	29:46	1.26	515.88	1.70	-	n
13C-1,2,3,6,7,8-HxCDF	458136000	0.54 y	29:51	1.29	2276.48	1.61	113.8	n
1,2,3,6,7,8-HxCDF	127771800	1.22 y	29:52	1.18	471.57	1.32	-	n
13C-2,3,4,6,7,8-HxCDF	407372000	0.53 y	30:28	1.15	2275.96	1.81	113.8	n
2,3,4,6,7,8-HxCDF	112225700	1.25 y	30:28	1.22	452.83	1.26	-	n
13C-1,2,3,7,8,9-HxCDF	400528000	0.52 y	31:10	1.17	2182.35	1.77	109.1	n
1,2,3,7,8,9-HxCDF	112624000	1.28 y	31:10	1.18	478.46	1.37	-	n
Total HxCDF	458963800	1.35 y	29:46	1.21	1918.74	1.40	-	n
13C-1,2,3,4,7,8-HxCDD	252413000	1.30 y	30:37	0.79	2056.70	0.85	102.8	n
1,2,3,4,7,8-HxCDD	61457200	1.28 y	30:37	1.05	461.65	0.75	-	n
13C-1,2,3,6,7,8-HxCDD	264678000	1.30 y	30:42	0.74	2291.20	0.91	114.6	n
1,2,3,6,7,8-HxCDD	64770600	1.33 y	30:42	1.14	428.87	0.69	-	n
1,2,3,7,8,9-HxCDD	75705800	1.29 y	30:59	1.31	446.13	0.60	-	n
Total HxCDD	202056137	2.68 n	29:51	1.17	1337.46	0.68	-	n
13C-1,2,3,4,6,7,8-HpCDF	329233000	0.46 y	32:35	0.96	2204.31	2.87	110.2	n
1,2,3,4,6,7,8-HpCDF	111093700	1.04 y	32:35	1.41	479.25	1.00	-	n
13C-1,2,3,4,7,8,9-HpCDF	293714500	0.45 y	33:47	0.84	2240.40	3.27	112.0	n
1,2,3,4,7,8,9-HpCDF	95348300	1.08 y	33:48	1.41	460.79	1.17	-	n
Total HpCDF	206442000	1.04 y	32:35	1.41	940.04	1.08	-	n

13C-1,2,3,4,6,7,8-HpCDD	249861000	1.09	y	33:27	0.71	2245.81	1.90	112.3	n
1,2,3,4,6,7,8-HpCDD	65188500	1.08	y	33:27	1.13	460.00	0.66	-	n
Total HpCDD	65582438	2.91	n	32:35	1.13	462.78	0.66	-	n
13C-OCDD	237180000	0.92	y	36:04	0.35	4304.94	3.77	107.6	n
OCDF	120958900	0.88	y	36:12	2.12	963.37	1.13	-	n
OCDD	76632000	0.92	y	36:04	1.37	942.58	1.77	-	n

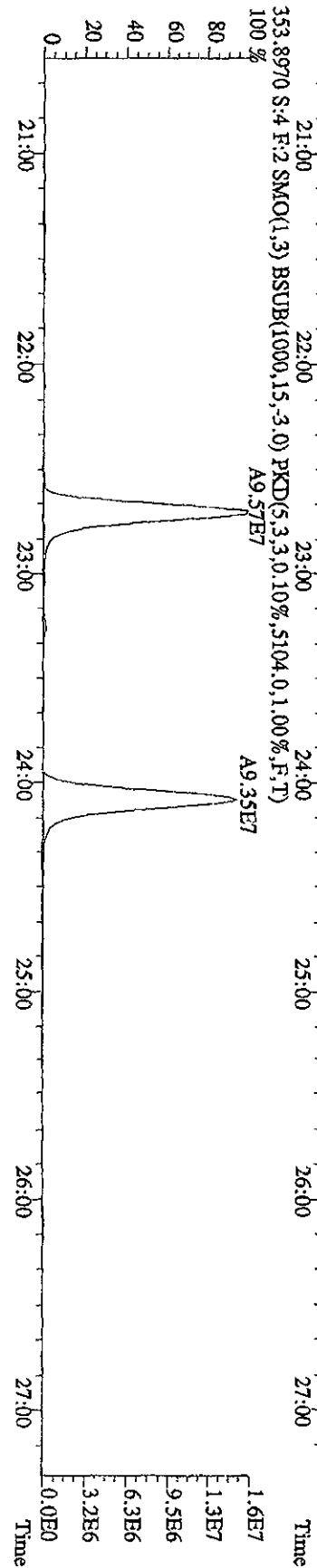
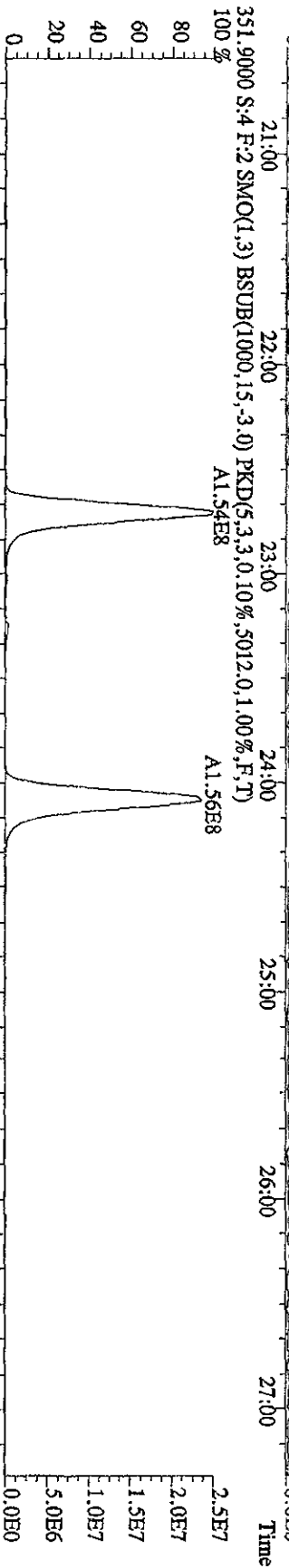
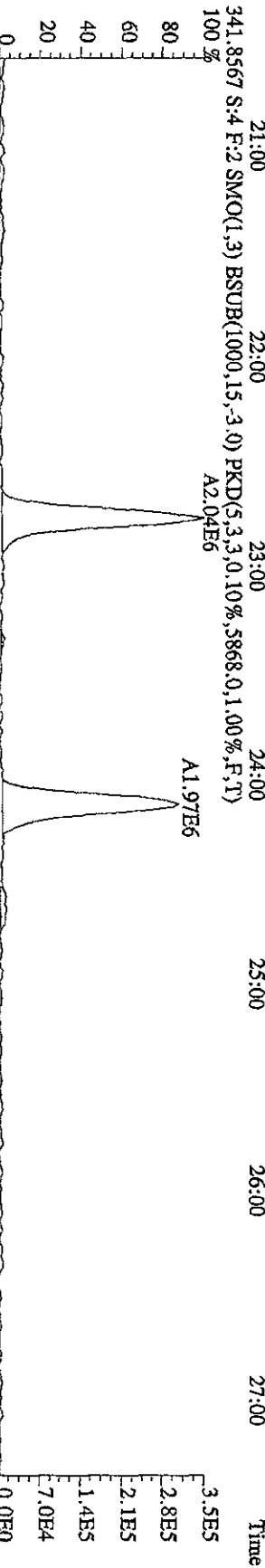
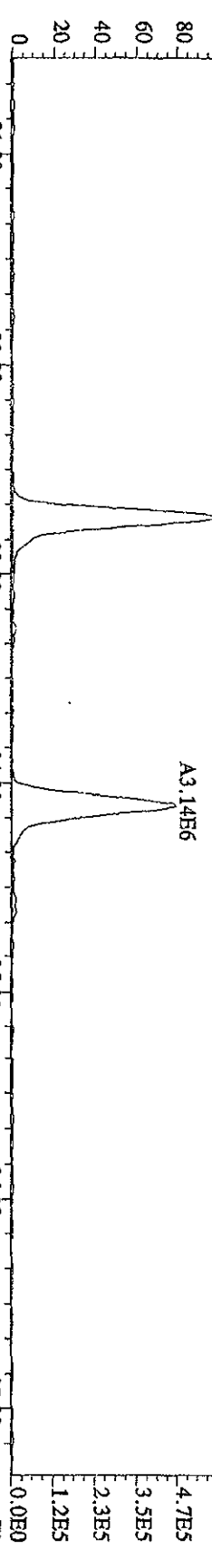
File: 14SE101D5 #1-382 Acq: 14-SEP-2010 12:45:23 GC EI+ Voltage SR 70SE
 Sample#4 Text: ST0914B .CSI 10DXN342 Exp: DIOXINRES
 303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3936,0,1,00%,F,T)
 100%



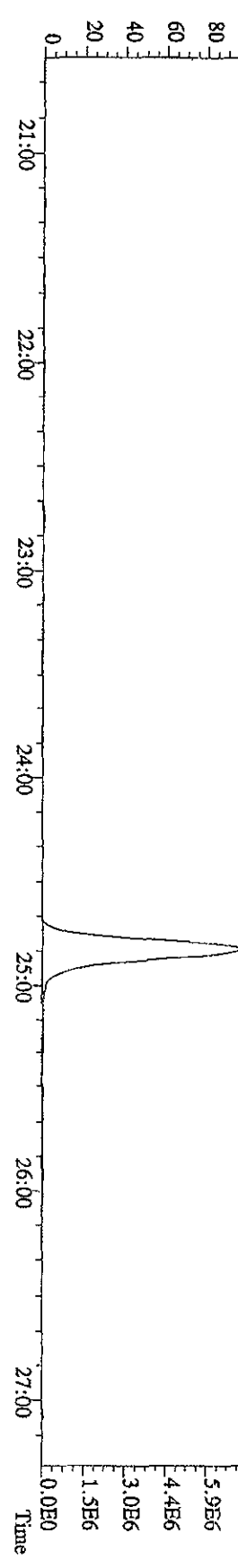
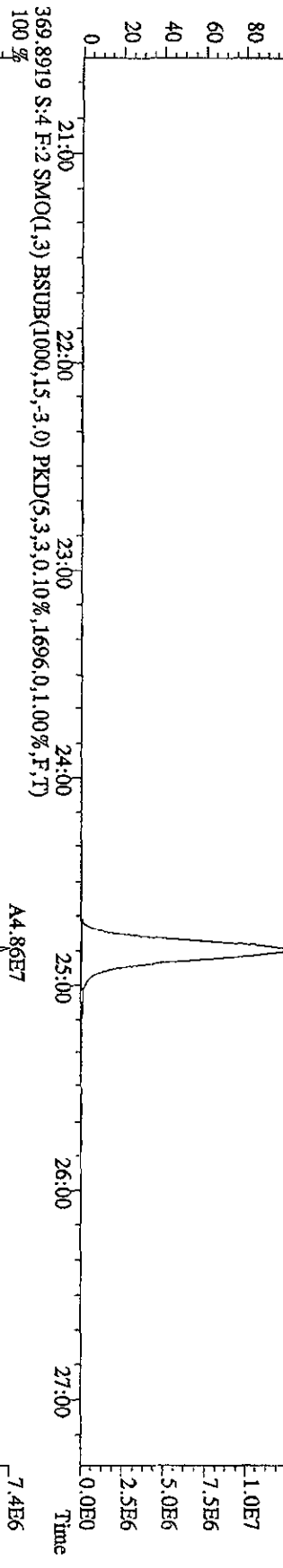
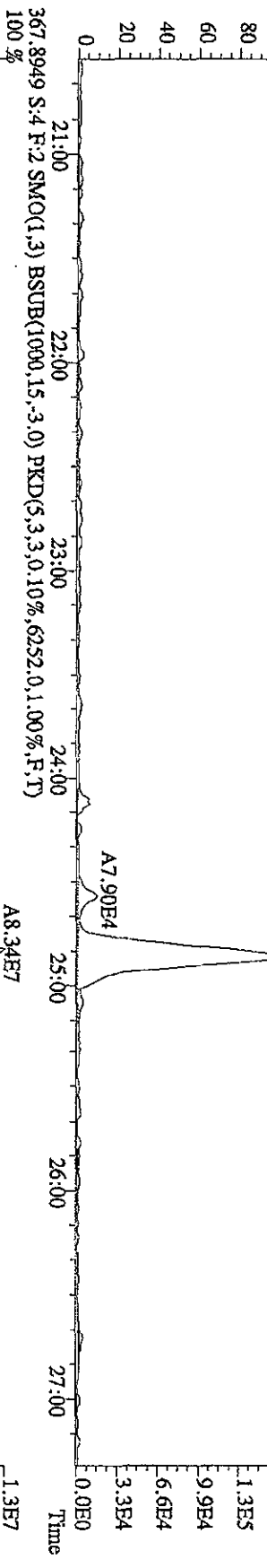
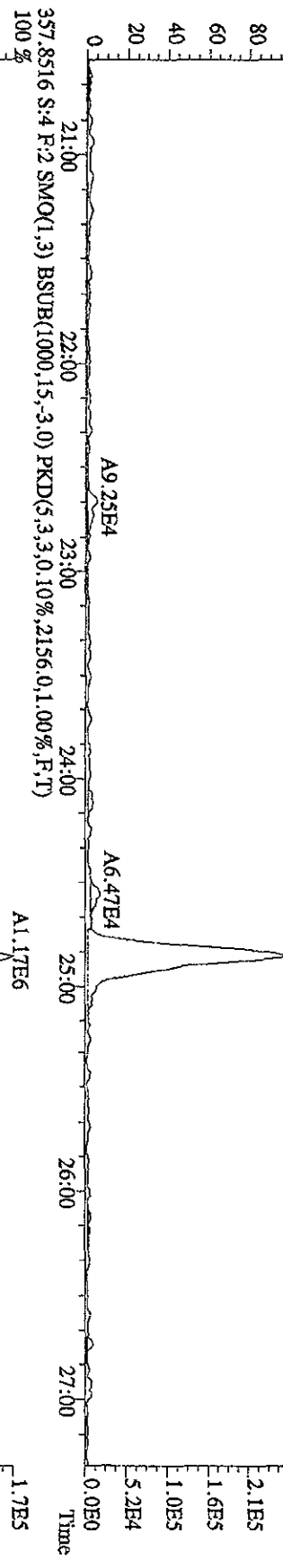
File:14SEP10ID5 #1-382 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0914B :CS1 10DDXN342 Exp:DIOXINRES
 319.8965 S:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3932.0,1.00%,F,T)



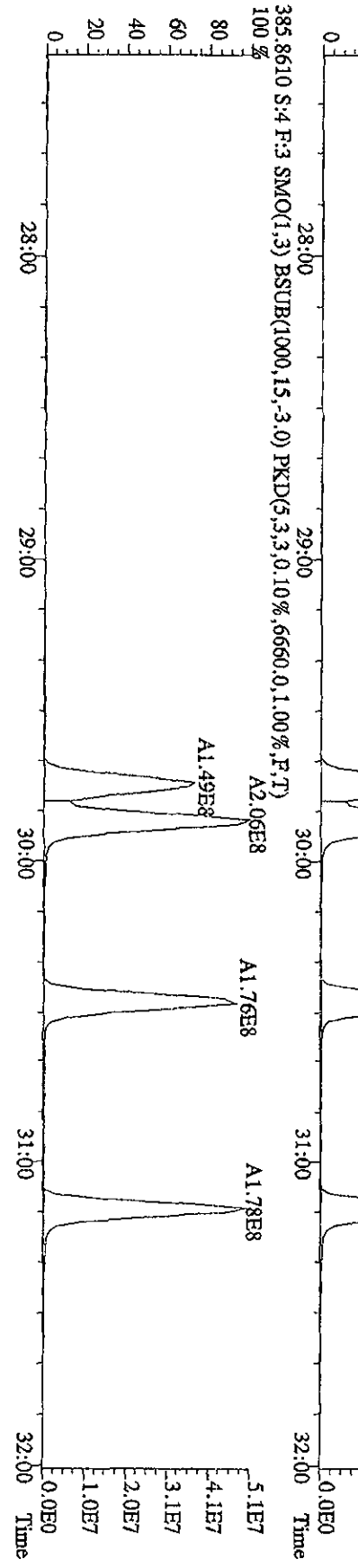
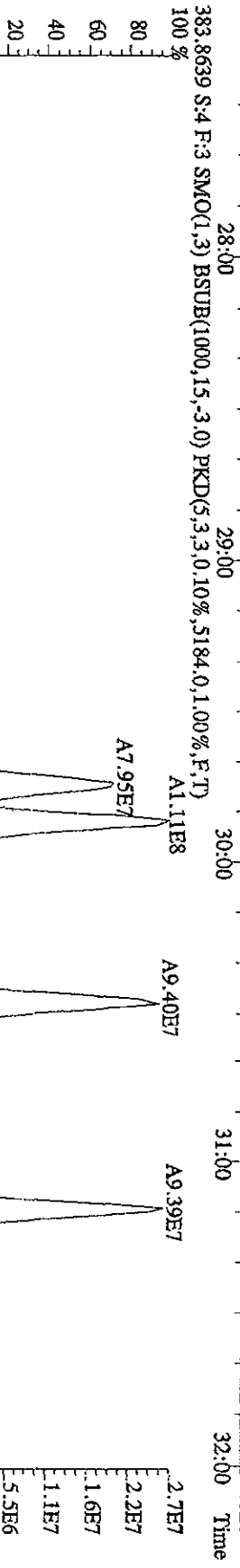
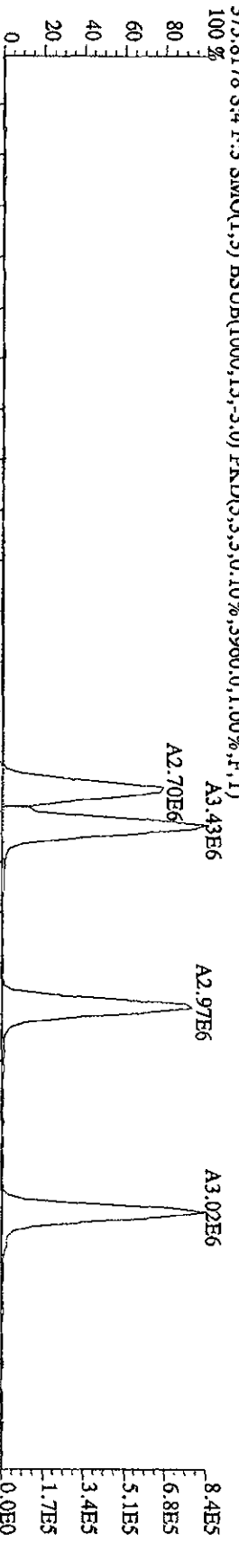
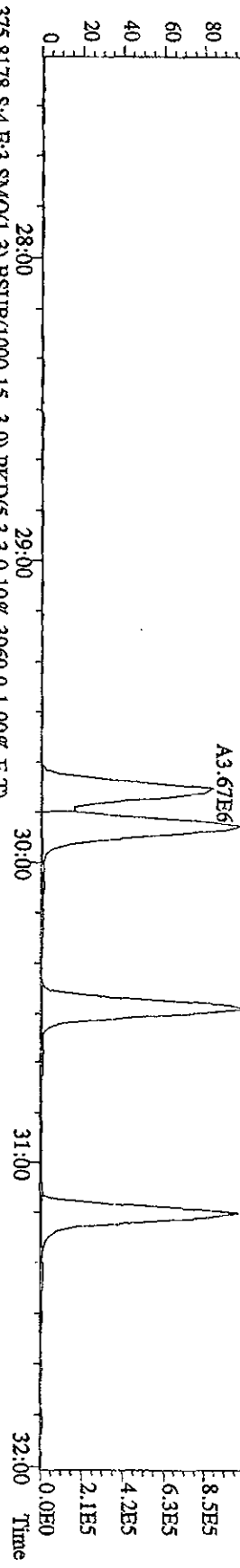
File:14SEI01D5 #1-422 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0914B :CSI 10DYXN342 Exp:DIOXINRES
 339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3448,0,1,00%,F,T)
 100%



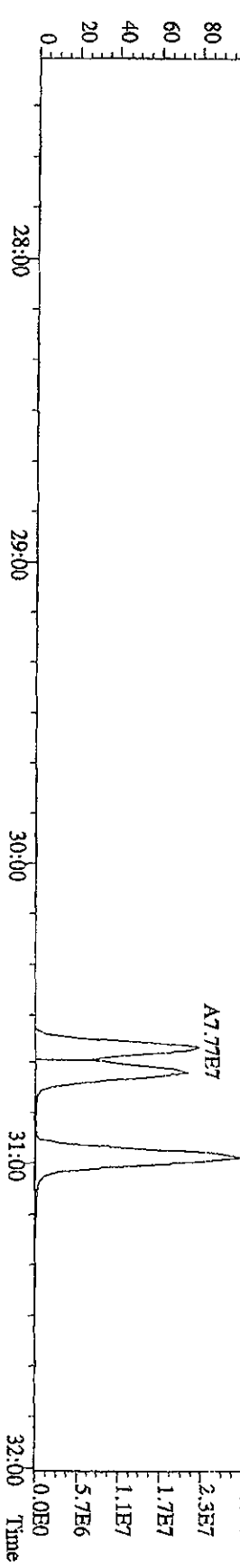
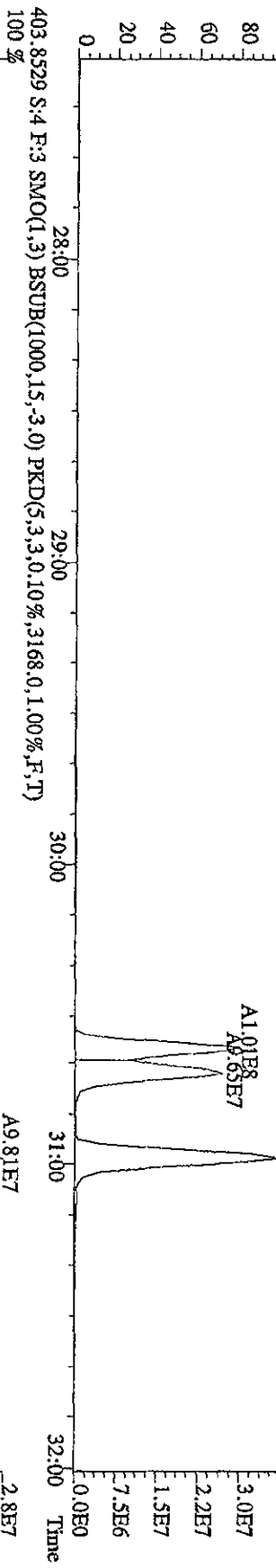
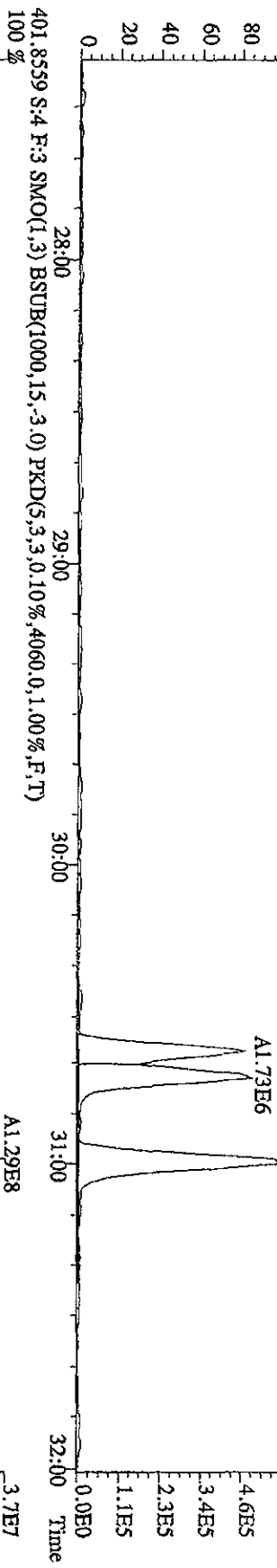
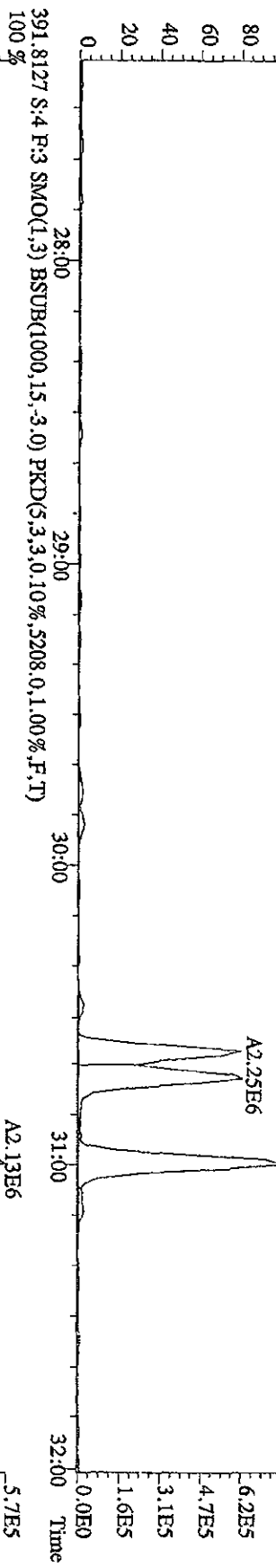
File:14SE101D5 #1-422 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0914B :CS110DXN342 Exp:DIOXINRES
 357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2156,0,1,00%,F,T)
 100%



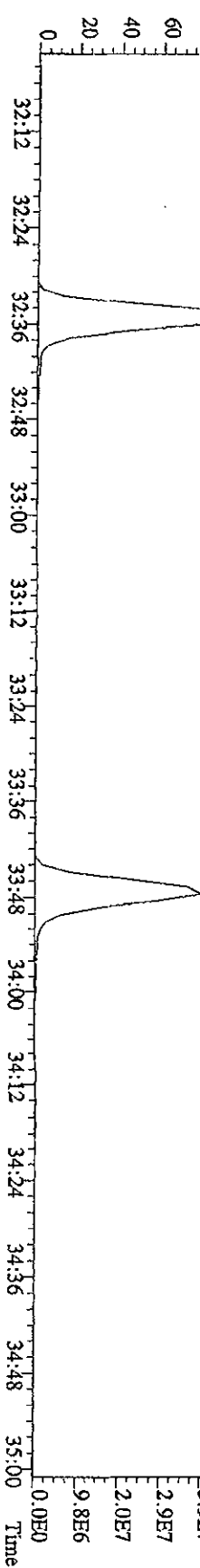
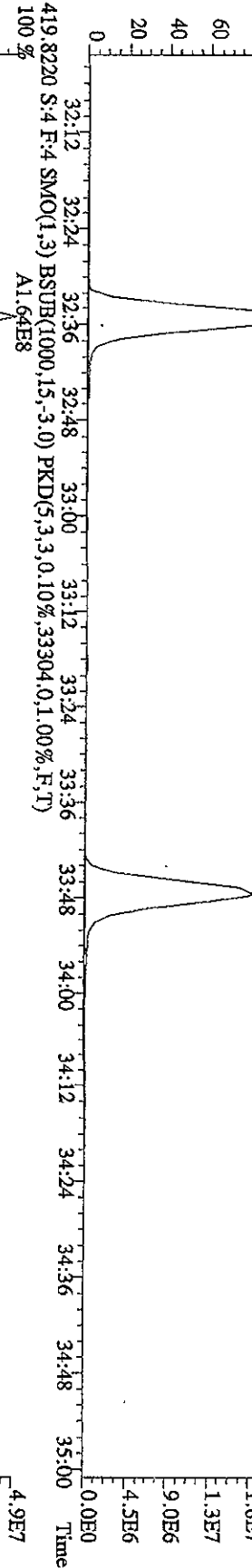
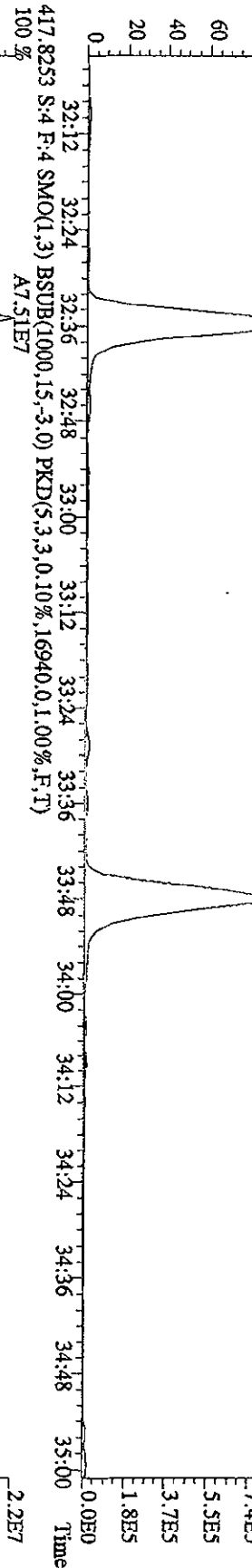
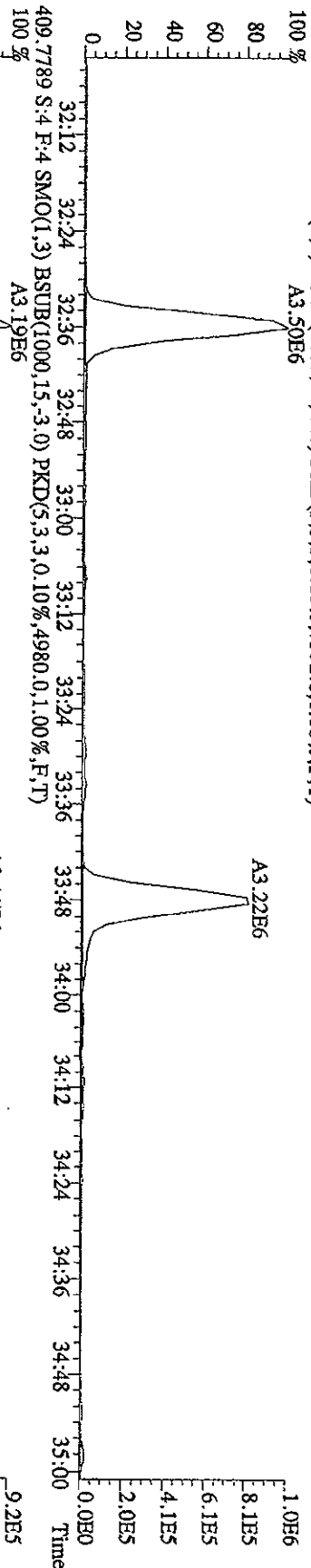
File: 14SEP101D5 #1-301 Acq: 14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text: ST0914B :CSI 10DXN342 Exp: DIOXINRES
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4940,0.1,00%,F,T)



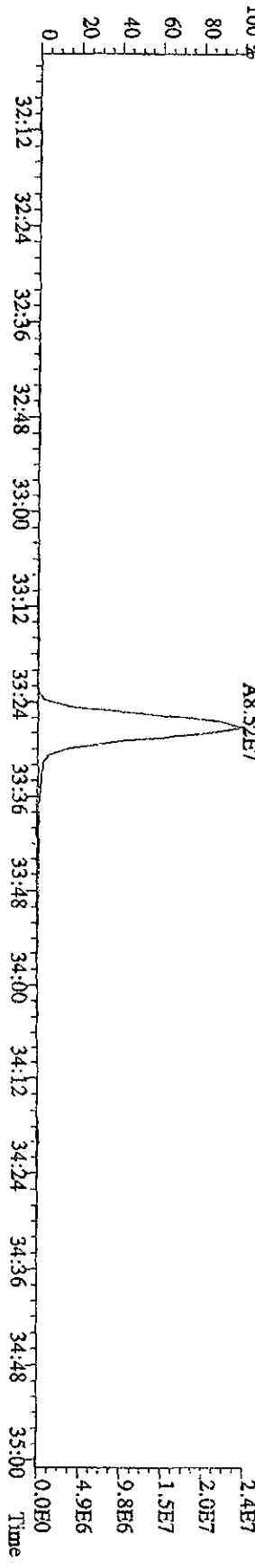
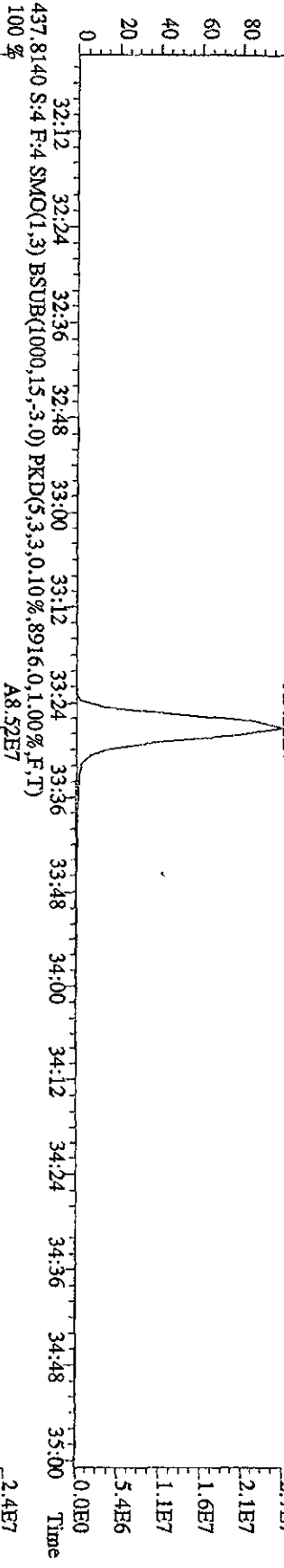
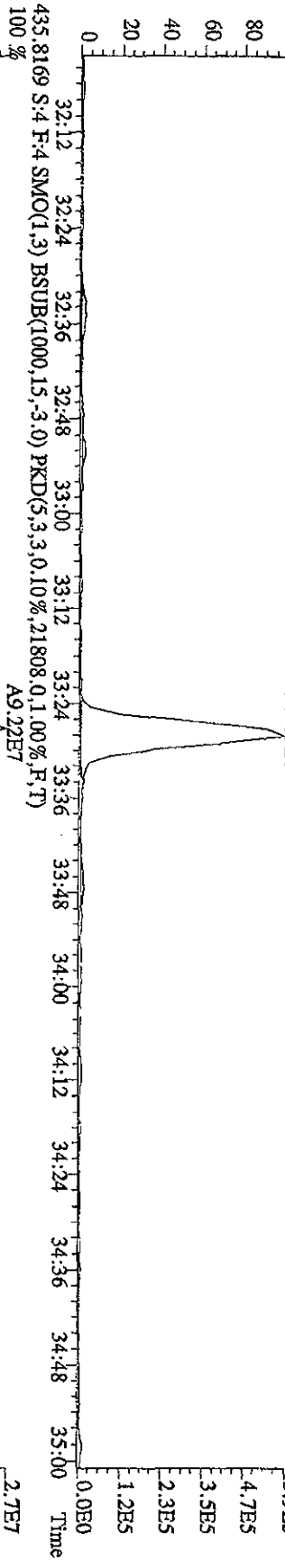
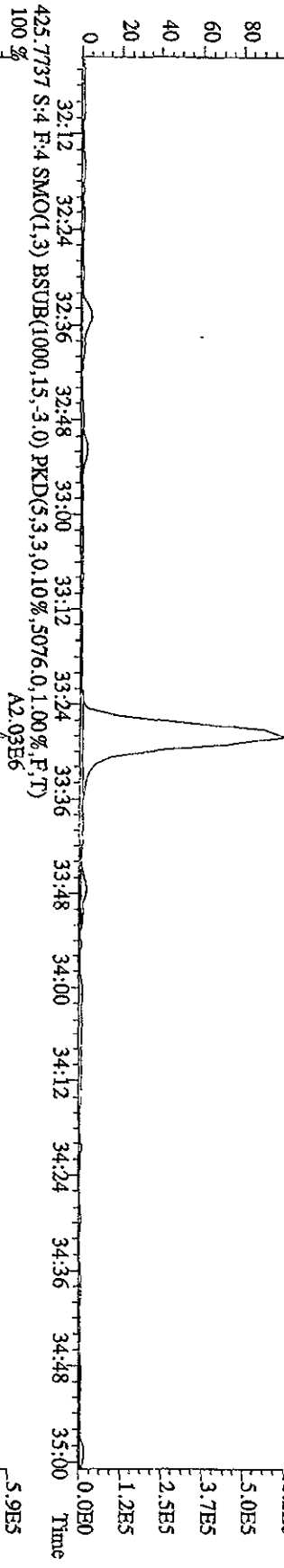
File:14SE101D5 #1-301 Acq:14-SEP-2010 12:45:23 GC EX+ Voltage SIR 70SE
 Sample#4 Text:ST0914B :CSI 10DXN342 Exp:DIOXINRES
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3584,0,1.00%,F,T)



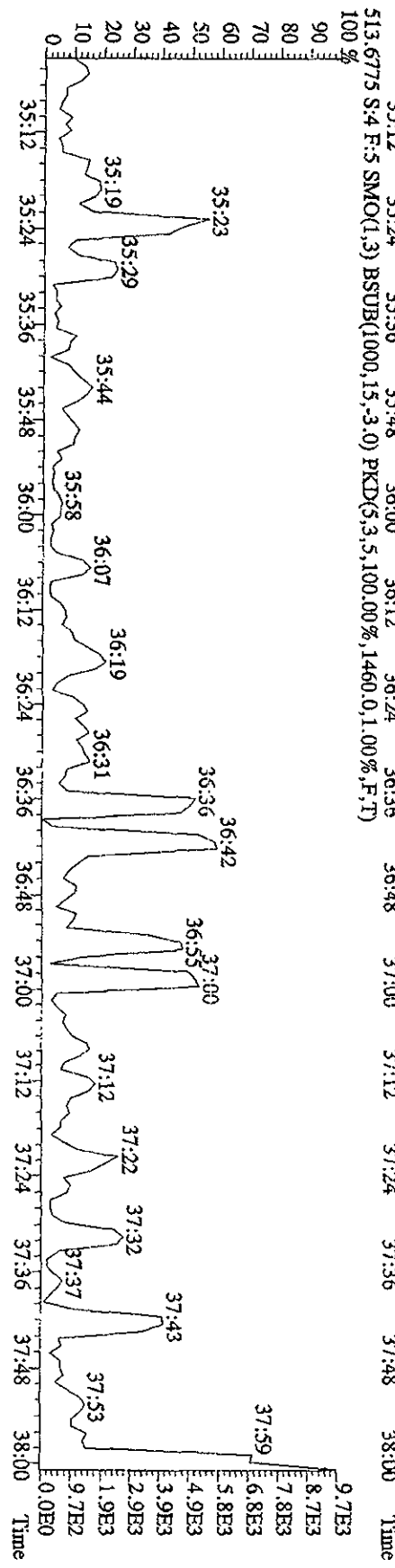
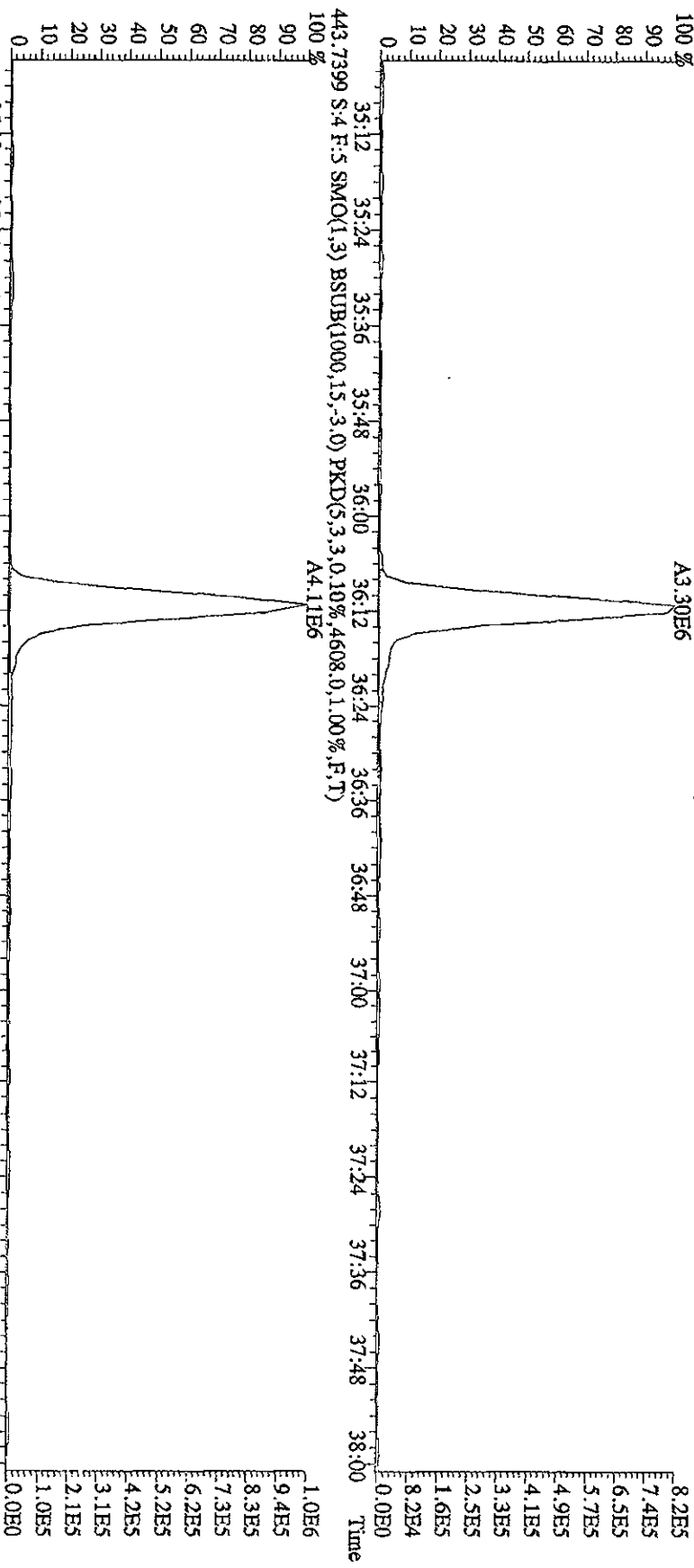
File: 14SEI01D5 #1-203 Acq: 14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text: ST0914B : CST 10DXN342 Exp: DIOXINRES
 407.7818 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,F,T)



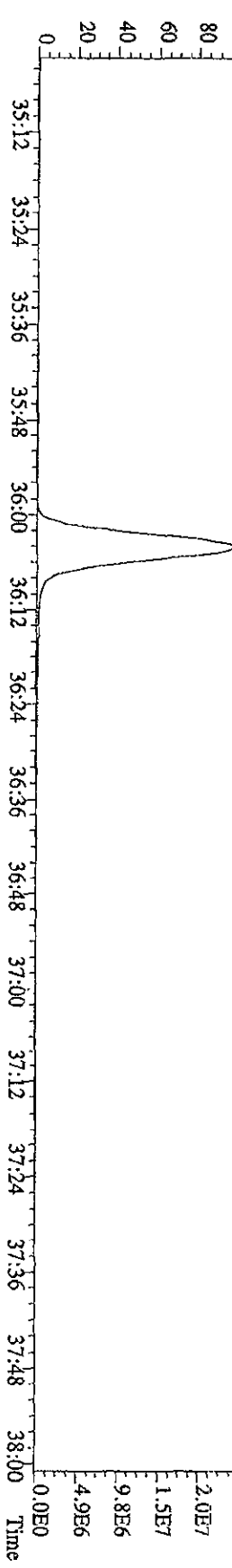
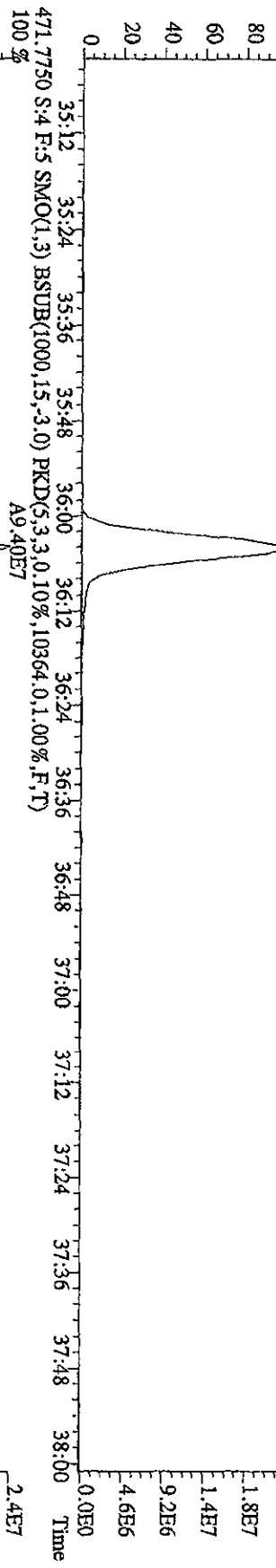
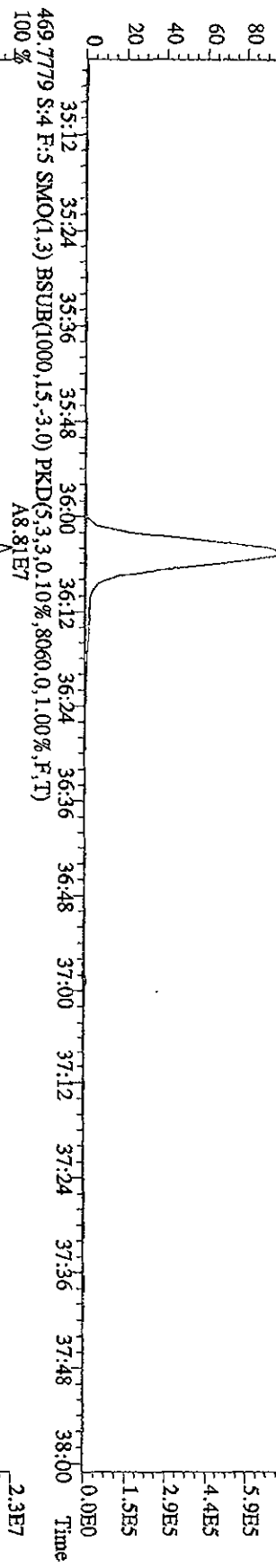
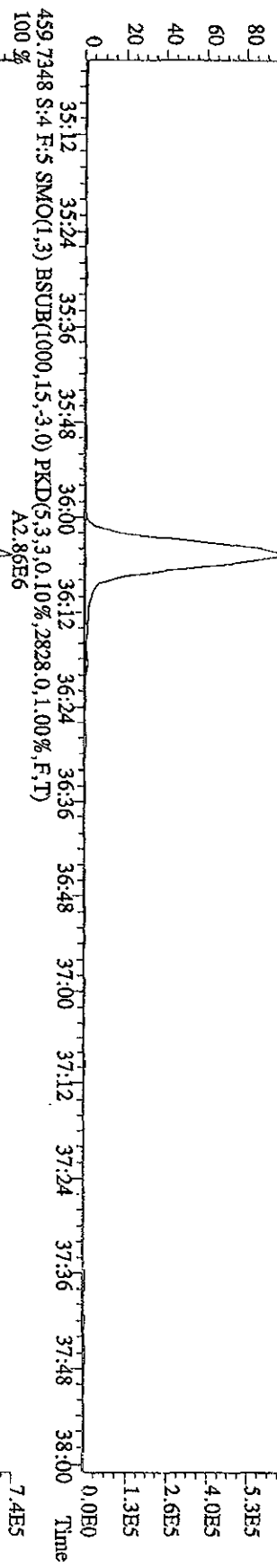
File: 14SE101D5 #1-203 Acq: 14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text: ST0914B : CSI 10DXN342 Exp: DIOXINRES
 423.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.5556,0,1.00%,F,T)
 100% A2.15E6



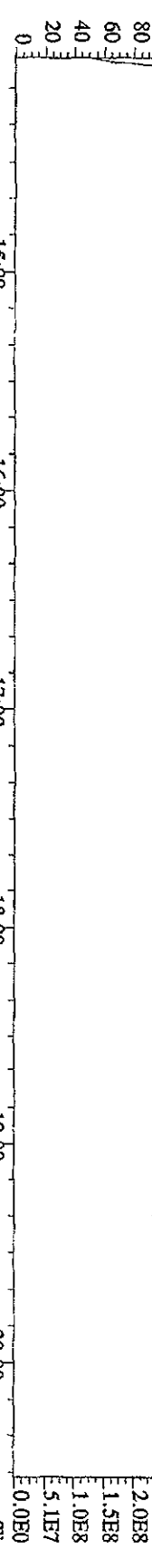
File: 14SEI01D5 #1-196 Acq: 14-SEP-2010 12:45:23 GC EI + Voltage SIR 70SE
 Sample#4 Text: ST0914B :CS1 10DXN342 Exp: DIOXINRES
 441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4608.0,1.00%,F,T)
 100% A3.30E6



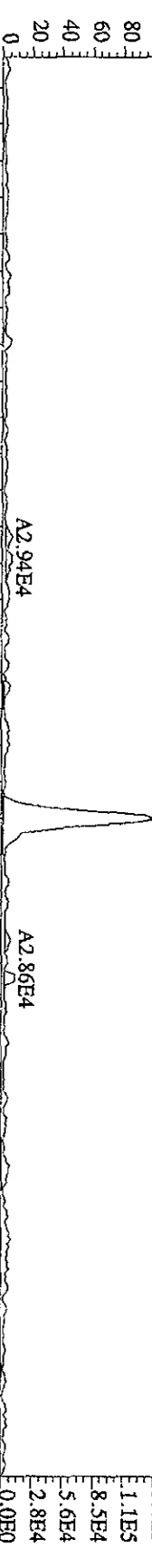
File:14SEI01D5 #1-196 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0914B ;CSI 10DXN342 Exp.:DIOXINRES
 457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3480,0.1,00%,F,T)
 100 % A2.47E6



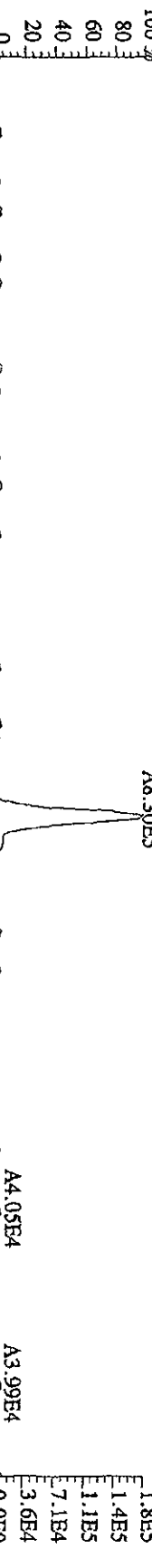
File: 14SE101D5 #1-382 Acq: 14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text: ST0914B :CS1 10DDXN342 Exp: DIOXINRES
 292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 100% 14:17 14:51 15:27 16:09 16:49 17:14 17:57 18:22 18:57 19:35 19:58 20:19



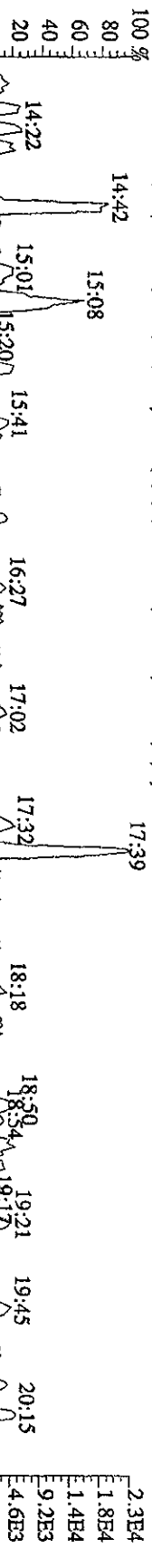
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3936,0,1.00%,F,T)
 100% 15:00 16:00 17:00 18:00 19:00 20:00



305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4940,0,1.00%,F,T)
 100% 15:00 16:00 17:00 18:00 19:00 20:00



375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2536,0,1.00%,F,T)
 100% 15:00 16:00 17:00 18:00 19:00 20:00

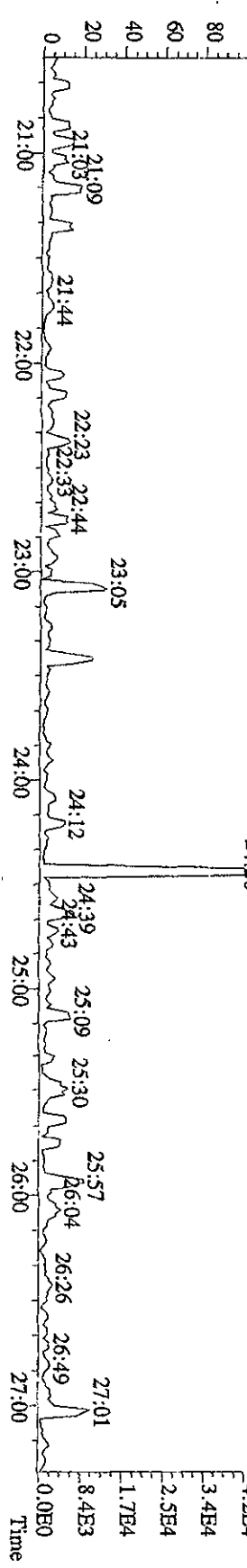
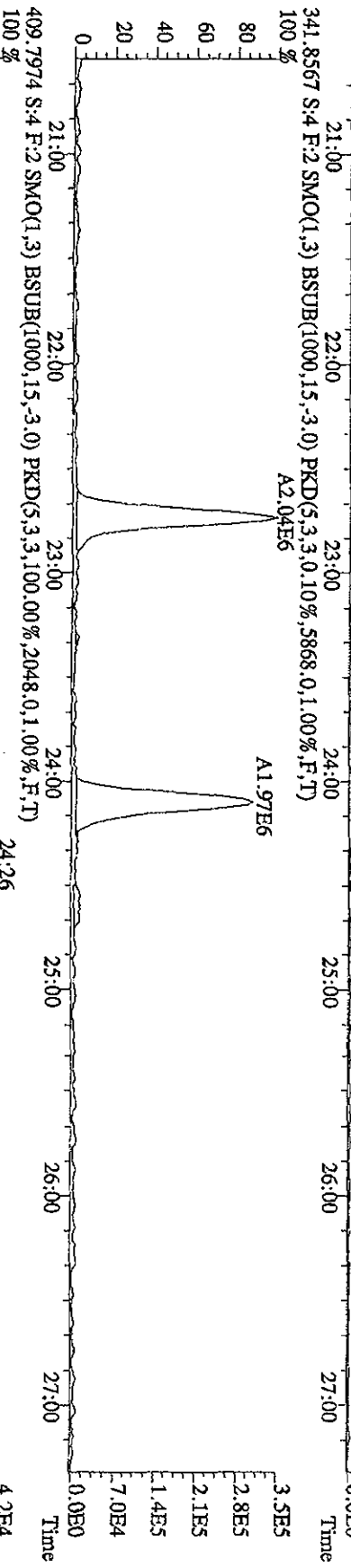
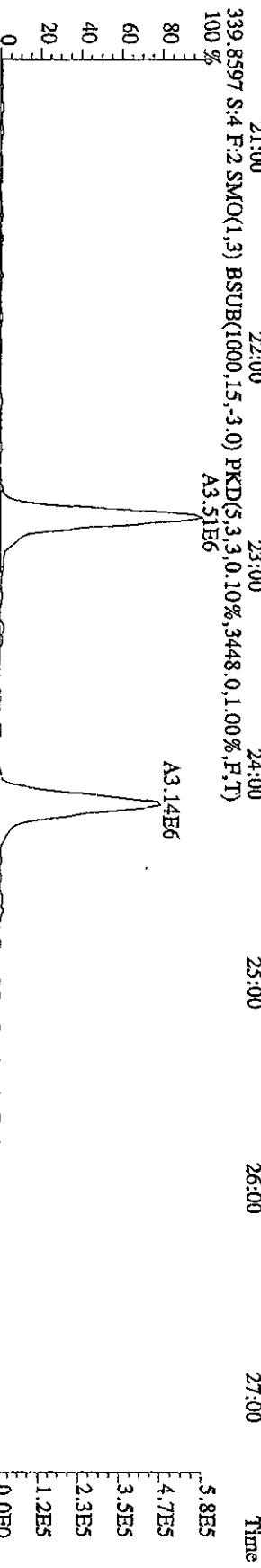
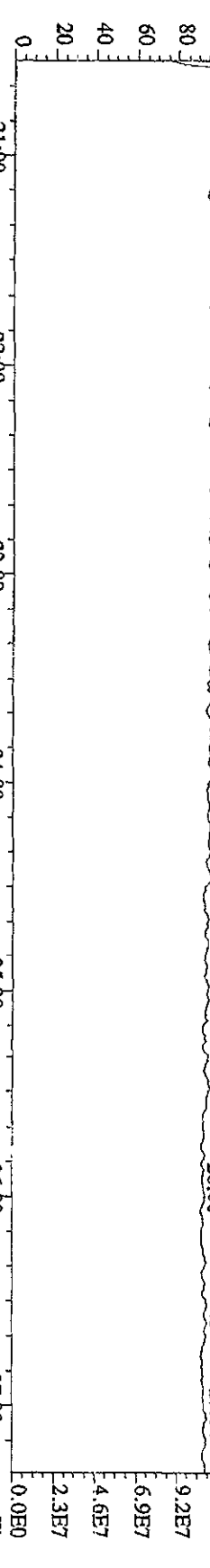


330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 14:20 14:51 15:15 15:46 16:07 16:32 16:58 17:34 18:19 19:03 19:28 19:51 20:15

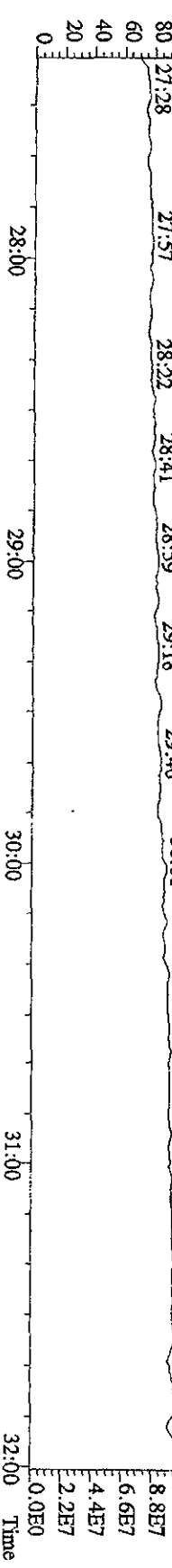
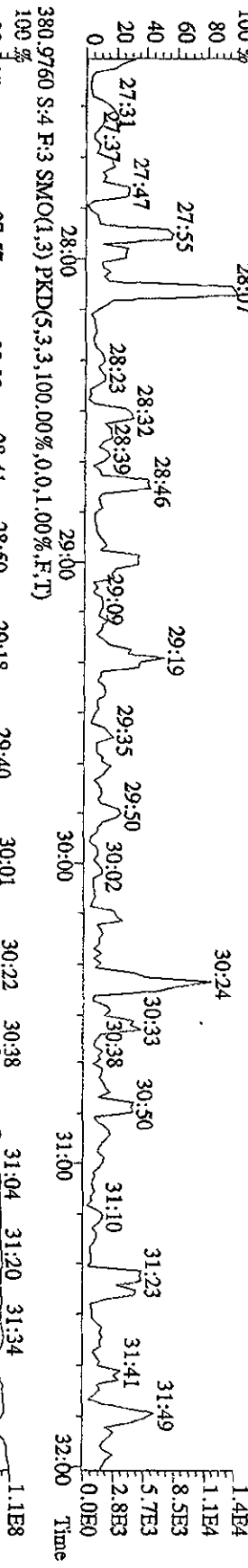
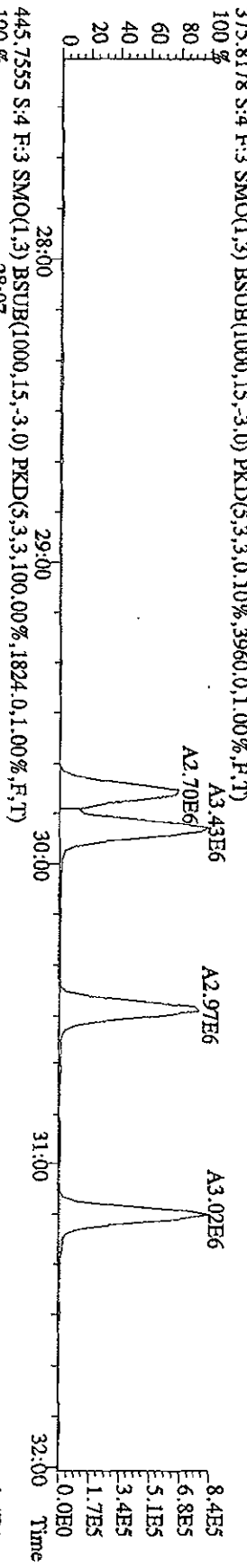
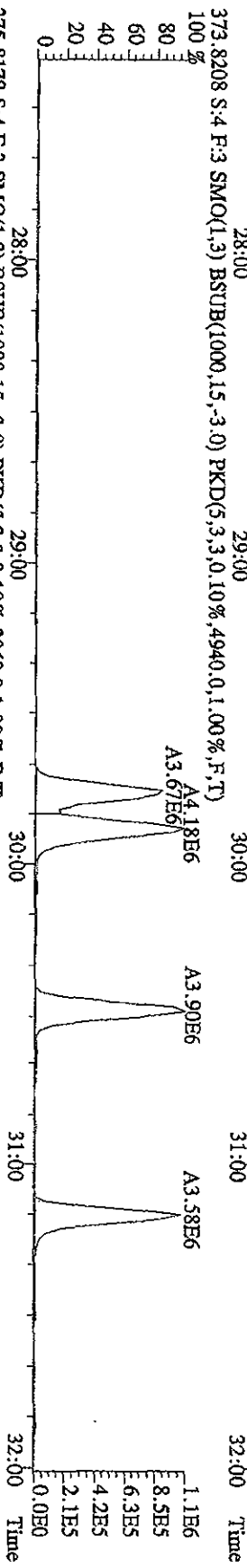
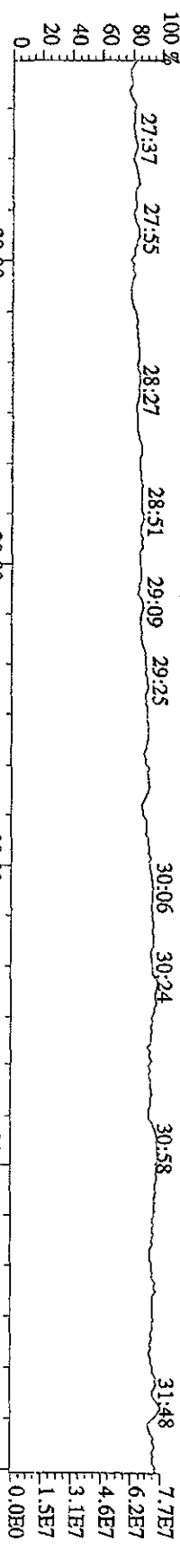


1.3E8
 1.0E8
 7.7E7
 5.1E7
 2.6E7
 0.0E0
 Time

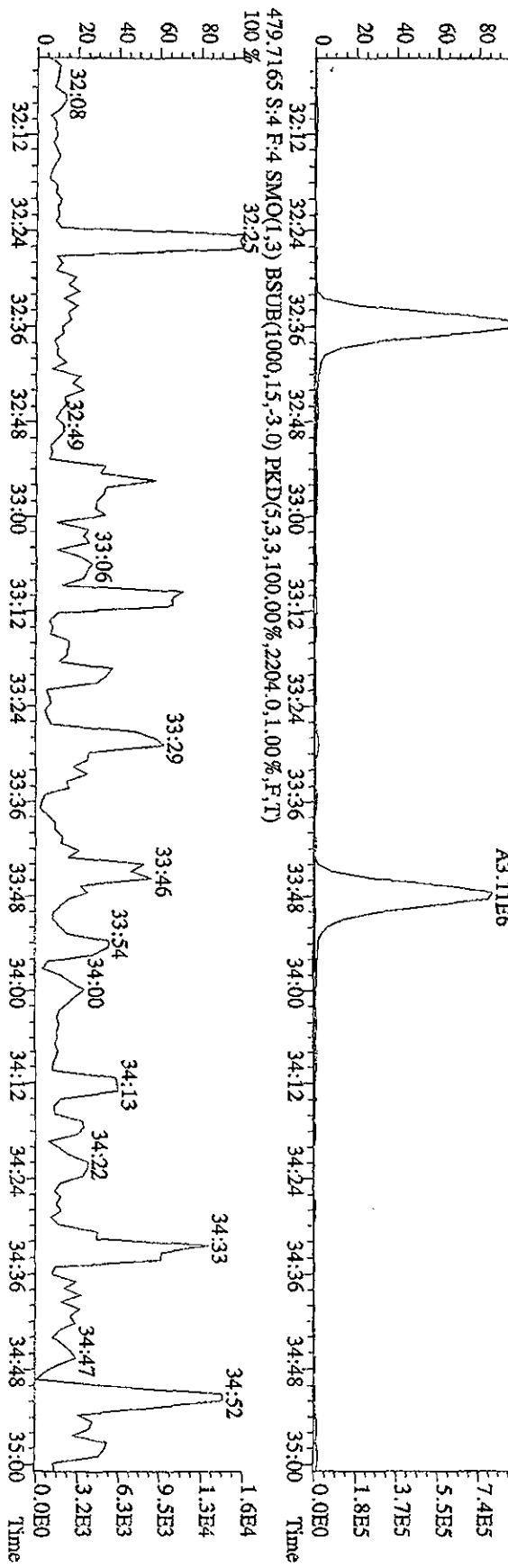
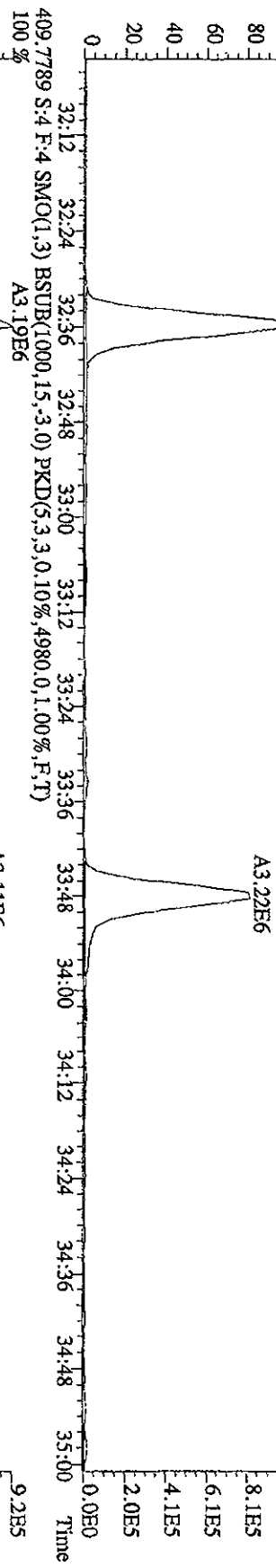
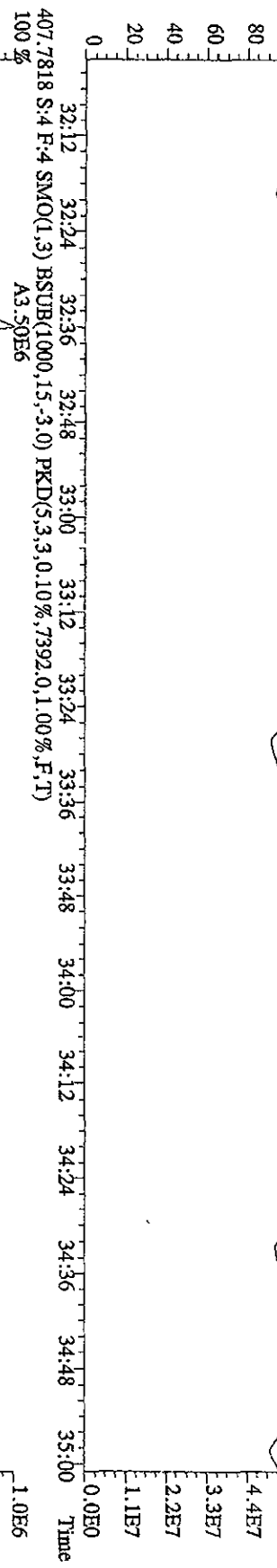
File: 14SEI01D5 #1-422 Acq: 14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text: ST0914B : CS1 10DXN342 Exp: DIOXINRES
 342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 20:49 21:33 22:01 22:41 23:13 23:36 23:57 24:27 24:59 25:29 26:00 26:36 27:04



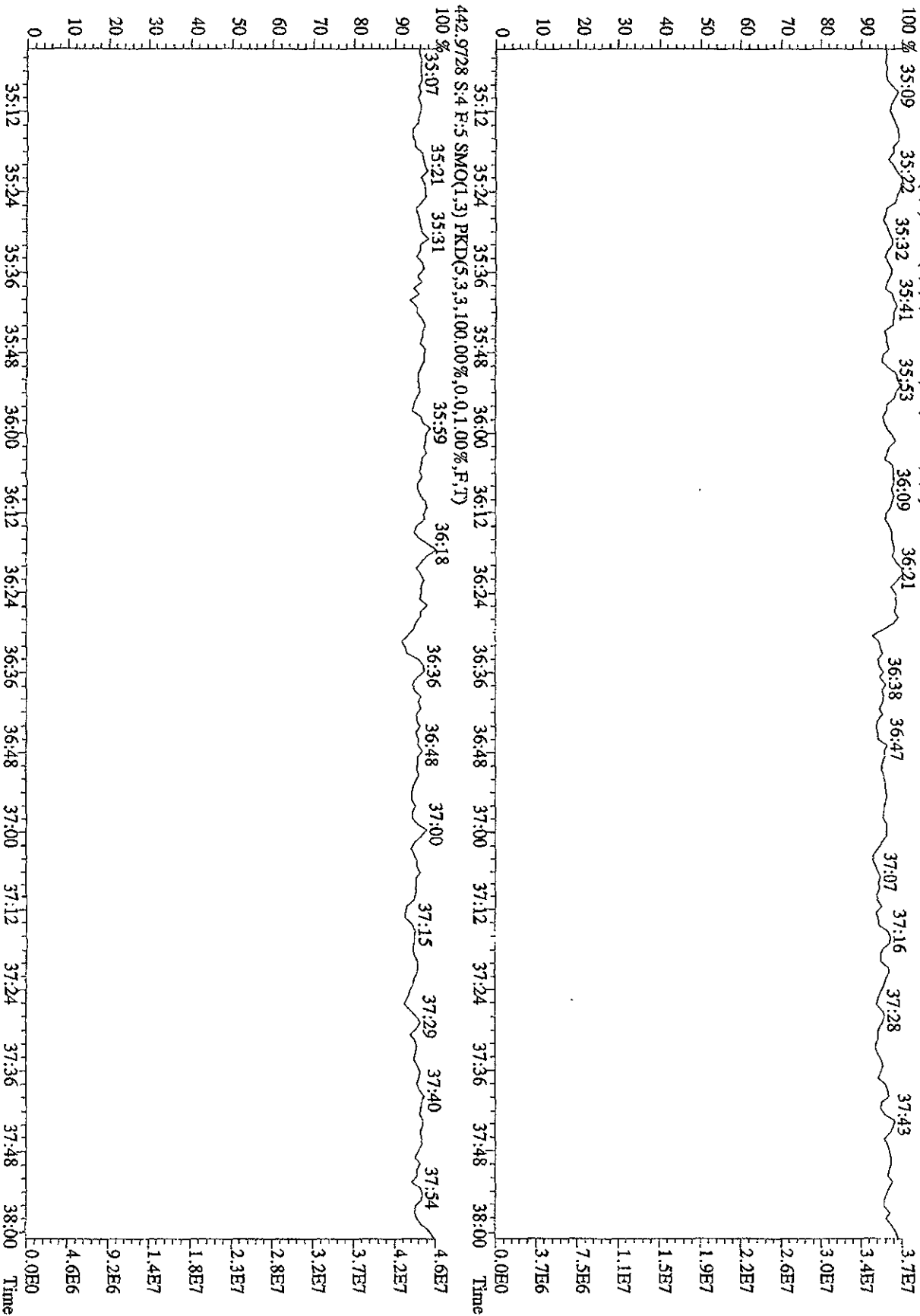
File: 14SEH101D5 #1-301 Acq: 14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text: ST0914B :CSI 10DDXN342 Exp: DIOXINRES
 392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%



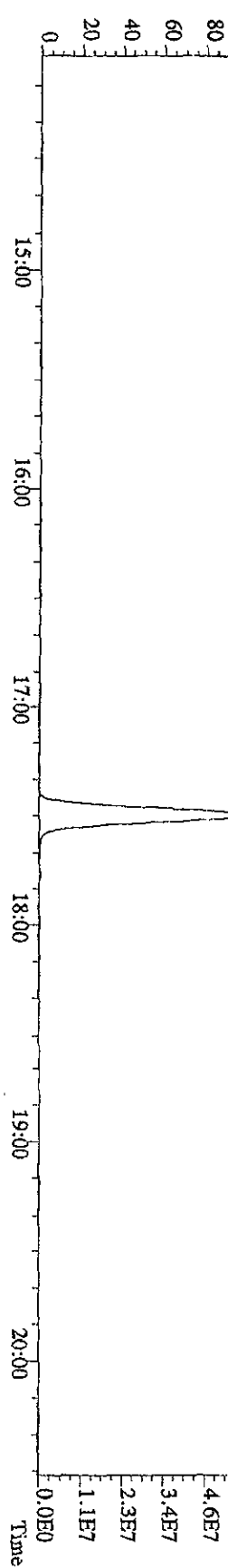
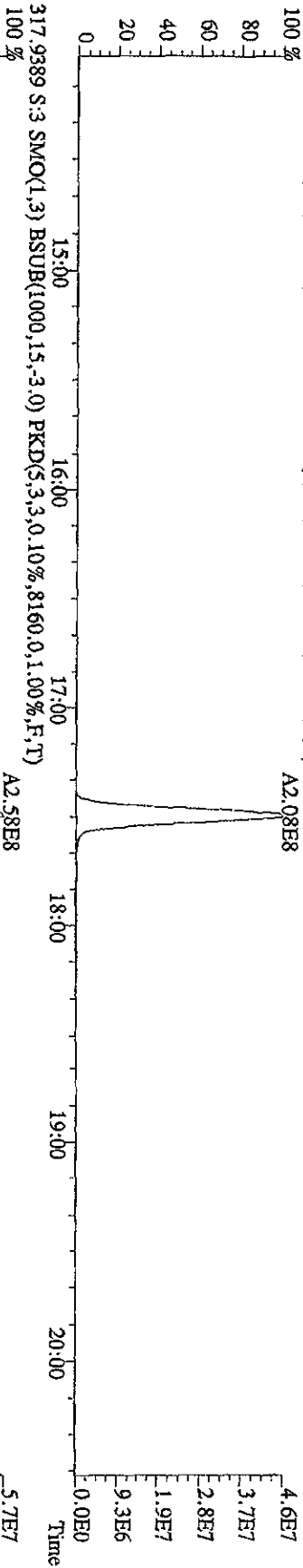
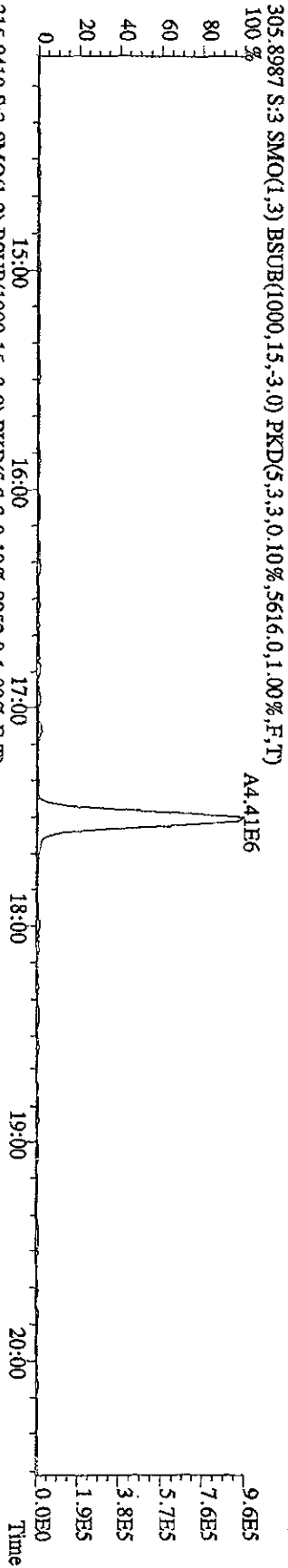
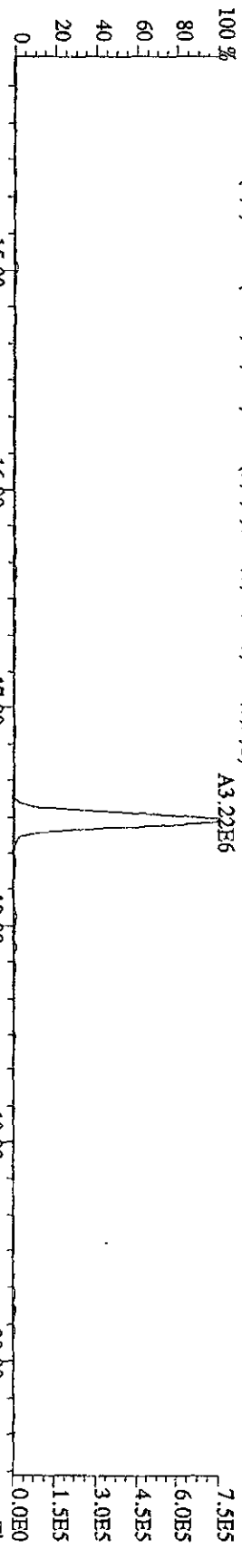
File: 14SEP10ID5 #1-203 Acq: 14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text: ST0914B :CS1 10DXN342 Exp: DIOXINRES
 430.9728 S:4 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 32:12 32:23 32:40 32:52 33:10 33:23 33:39 33:50 34:01 34:46



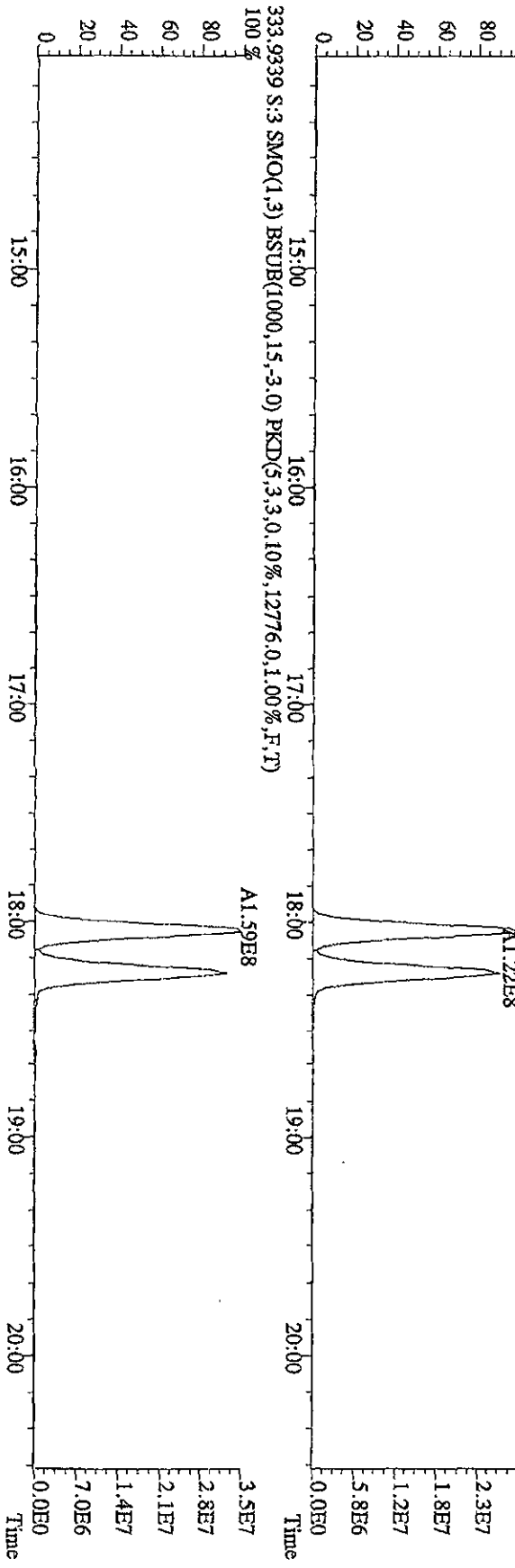
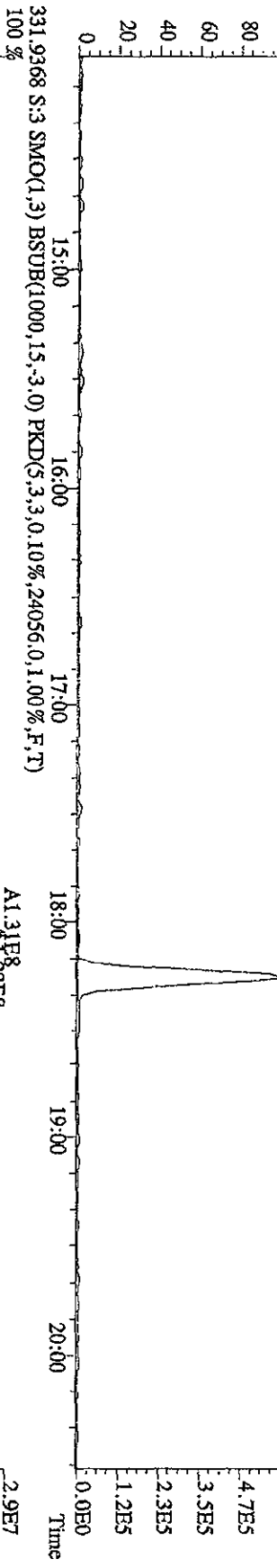
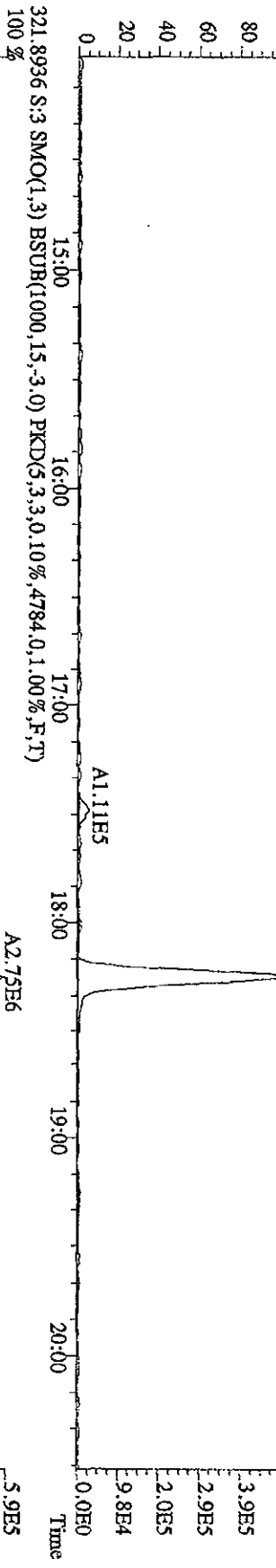
File:14SEI01D5 #1-196 Acq:14-SEP-2010 12:45:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST0914B :CS1 10DXN342 Exp:DIOXINRES



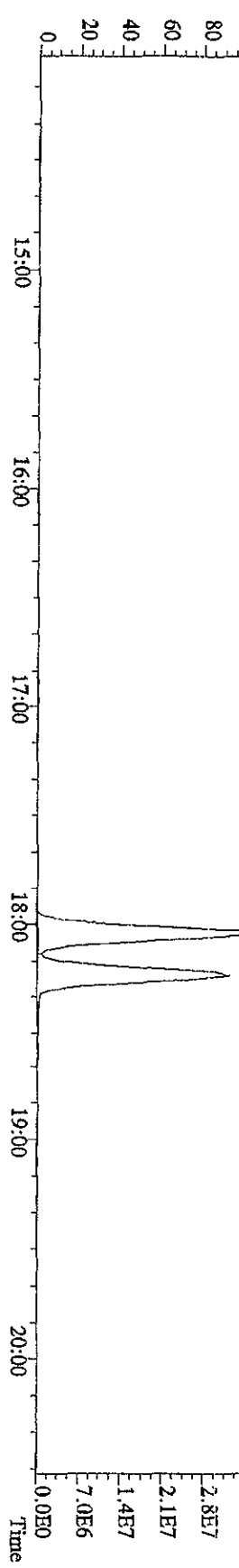
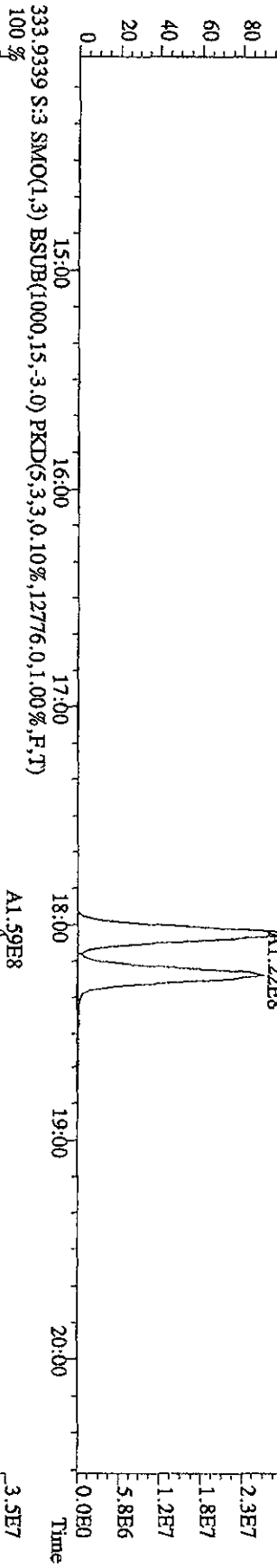
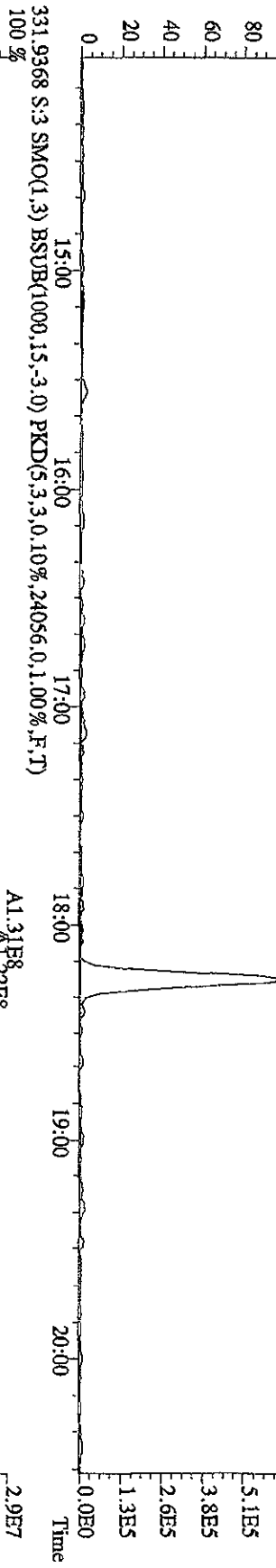
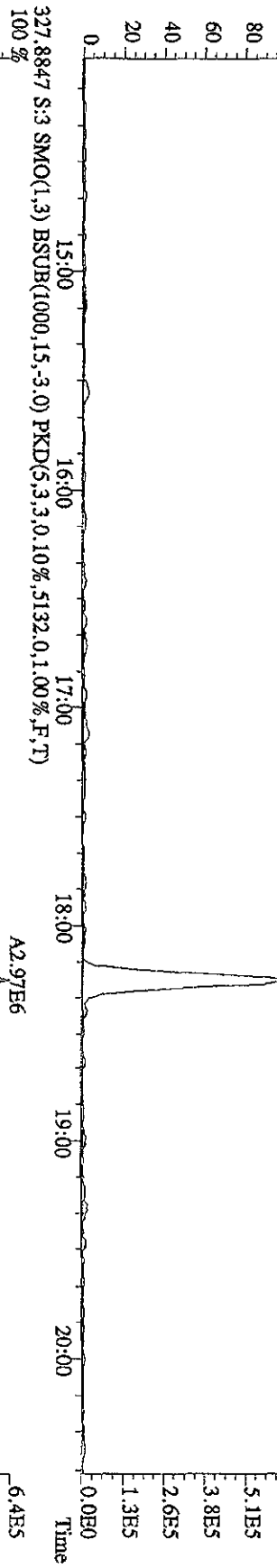
File:14SE101D5 #1-382 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST0914A .CS2 10DXN335 Exp:DIOXINRES



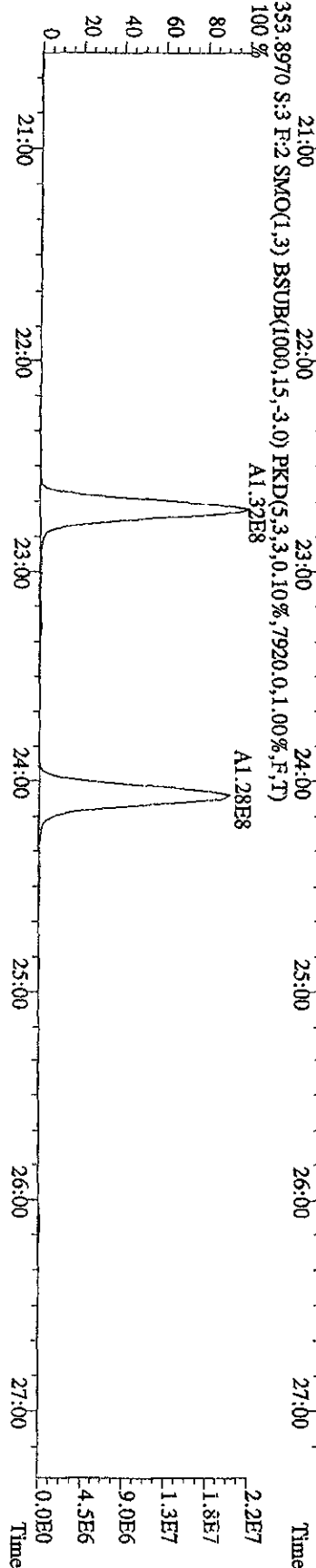
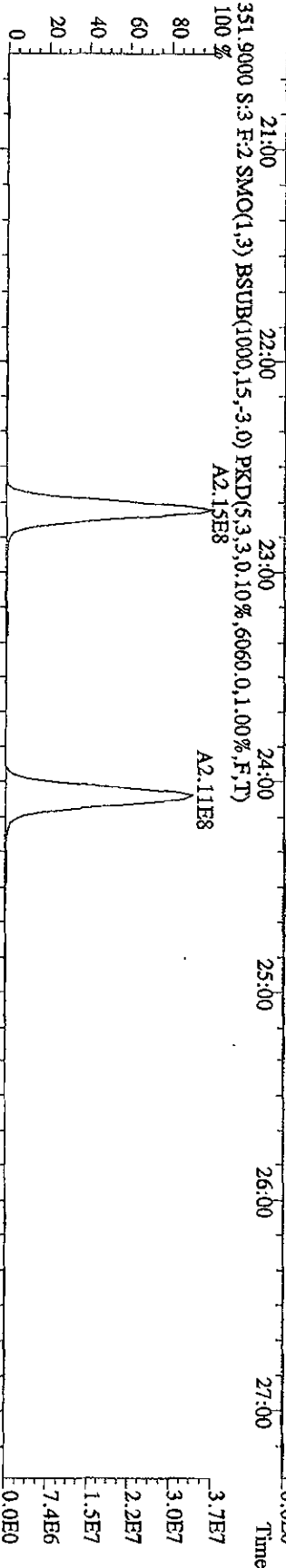
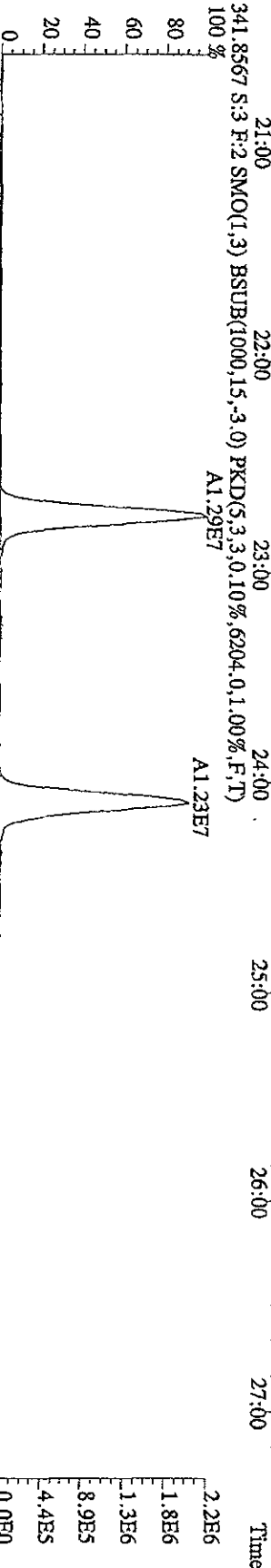
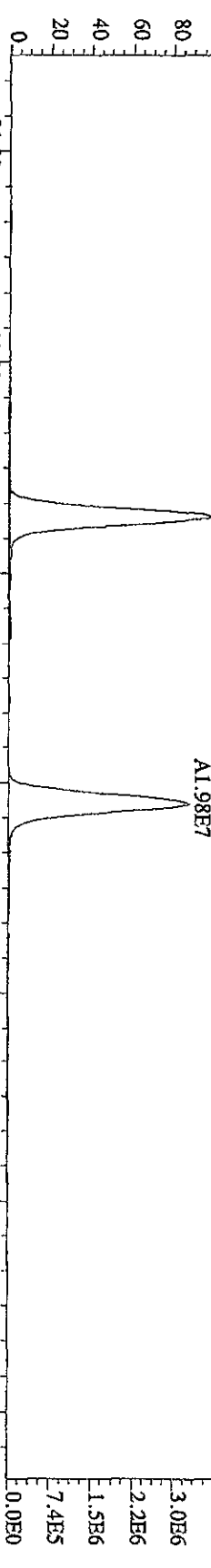
File: 14SEP101DS #1-382 Acq: 14-SEP-2010 12:02:26 GC EQ + Voltage STR 70SE
 Sample#3 Text: ST0914A :CS2 10DXN335 Exp: DIOXINRES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.3512,0,1.00%,F,T)



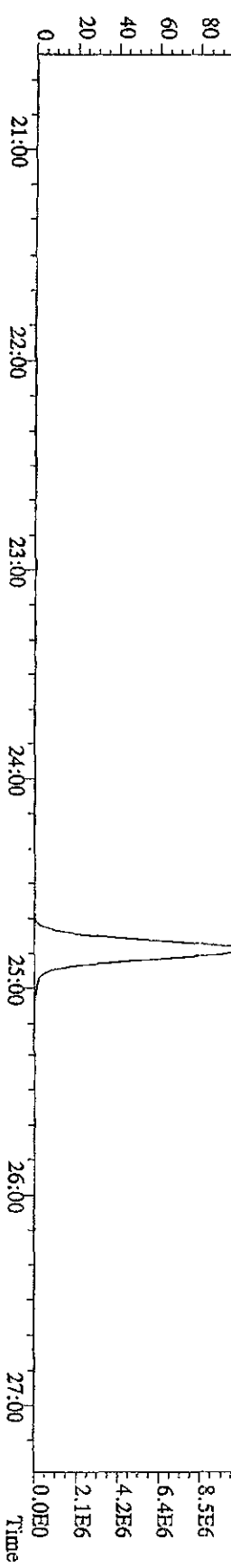
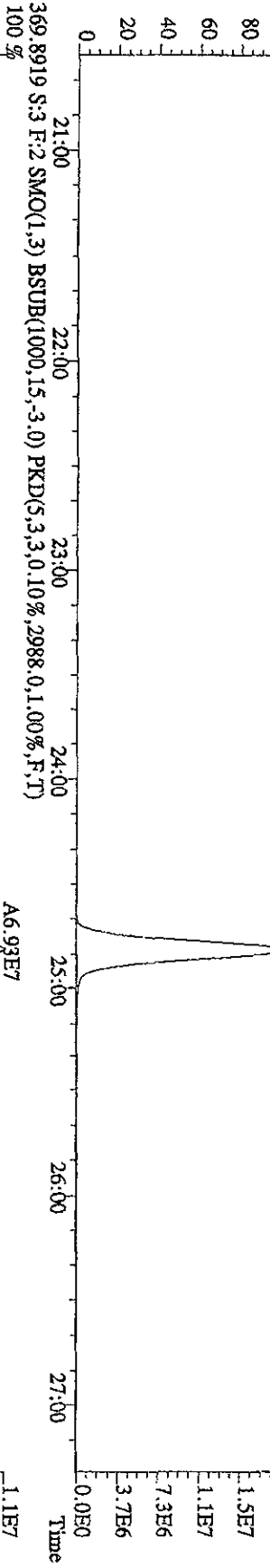
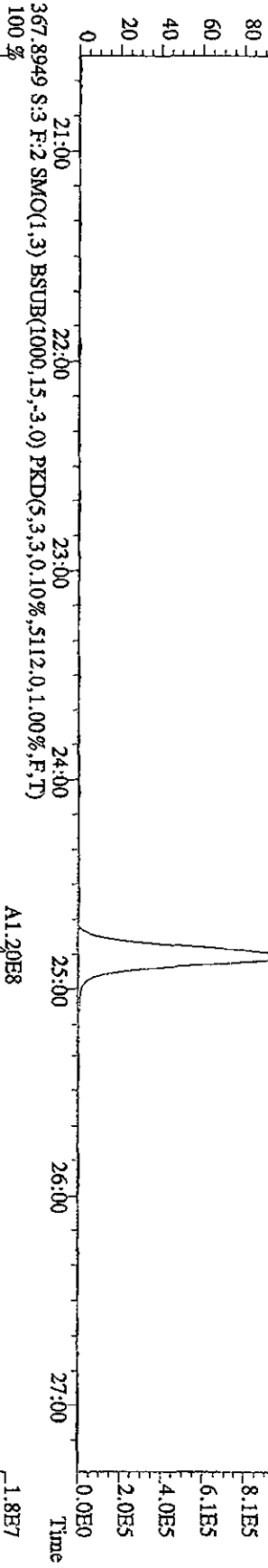
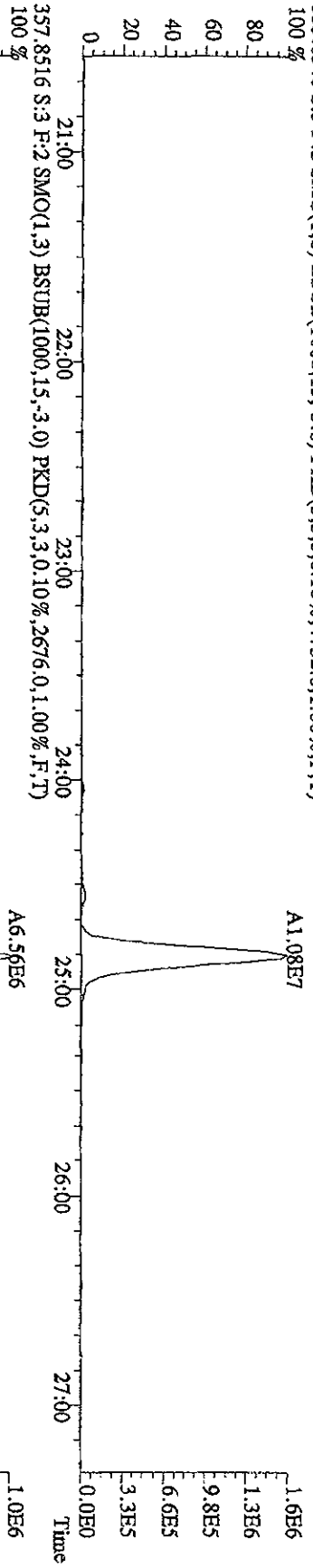
File:14SEP10ID5 #1-382 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXNRES
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5132,0,1,00%,F,T)
 100 %



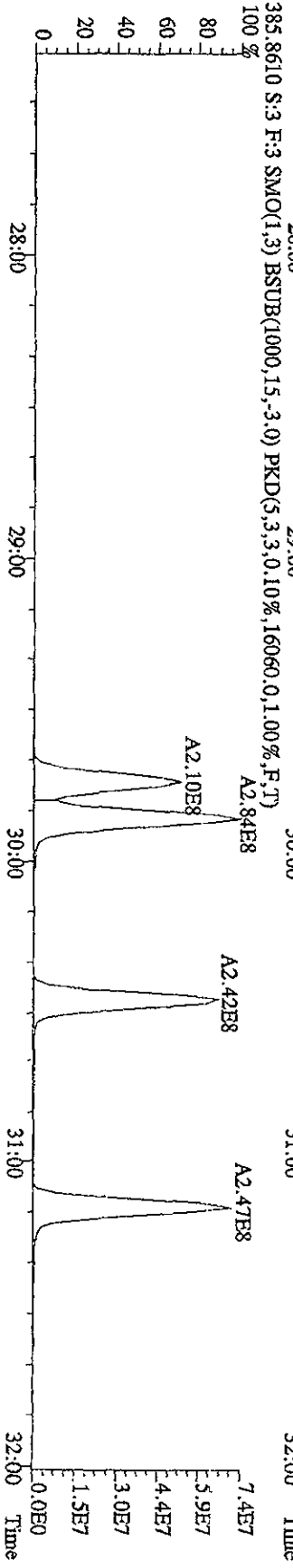
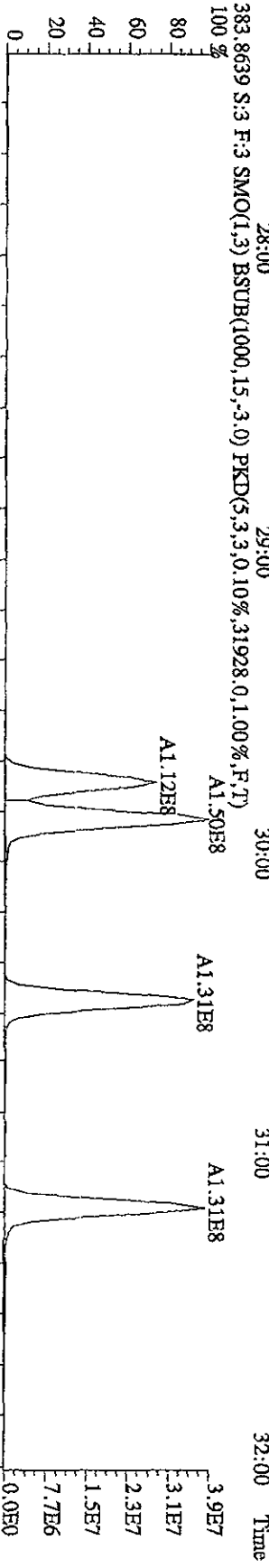
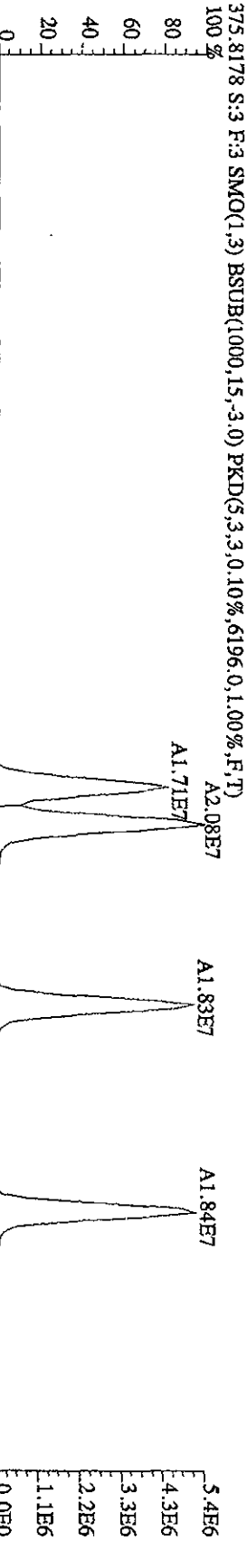
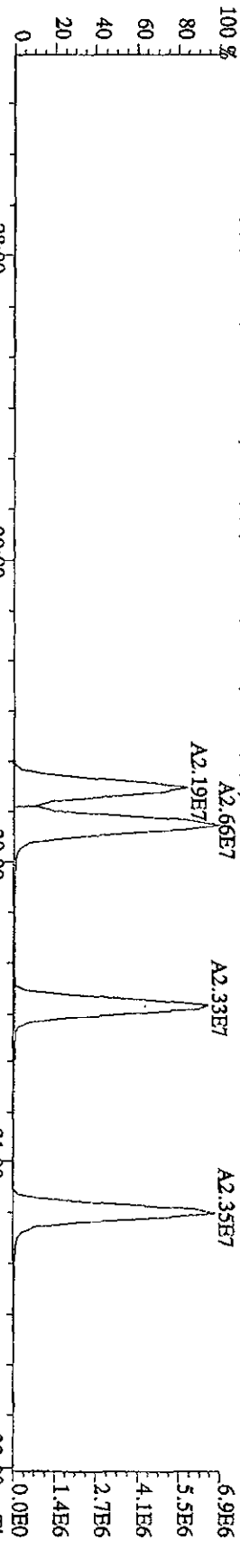
File: 14SEI01D5 #1-422 Acq: 14-SEP-2010 12:02:26 GC EI+ Voltage STR 70SE
 Sample#3 Text: ST0914A :CS2 10DXN335 Exp: DIOXINRES
 339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3992.0,1.00%,F,T)
 100% A2.09E7



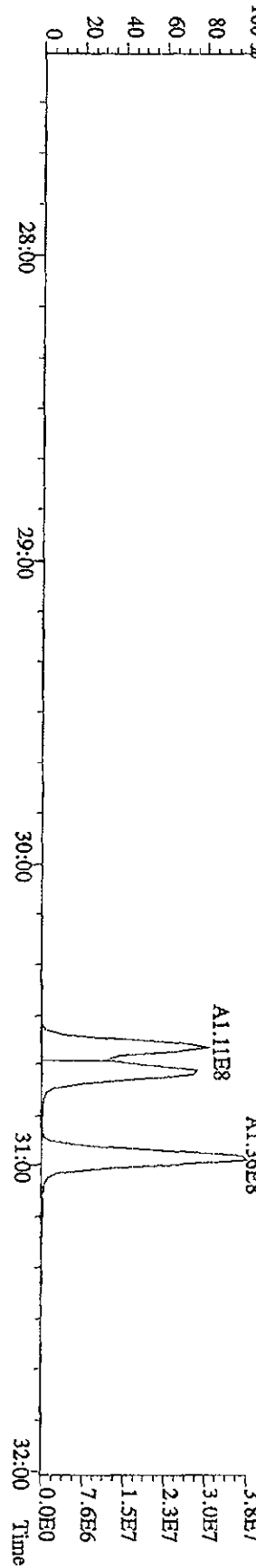
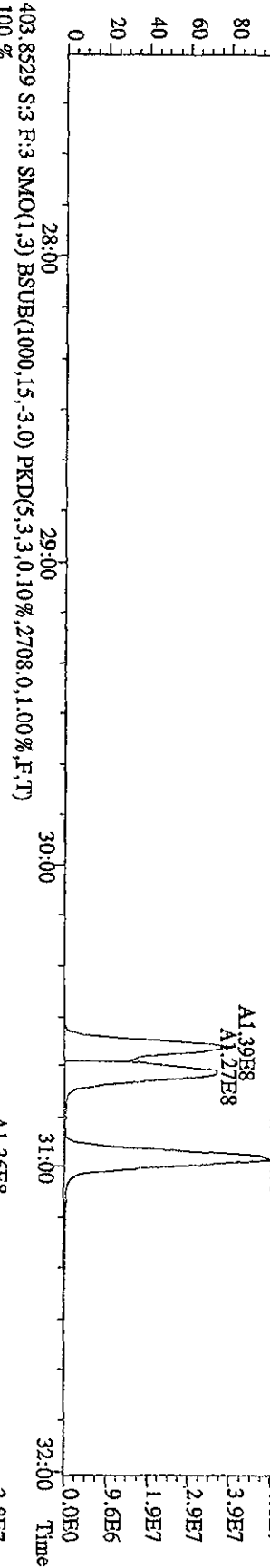
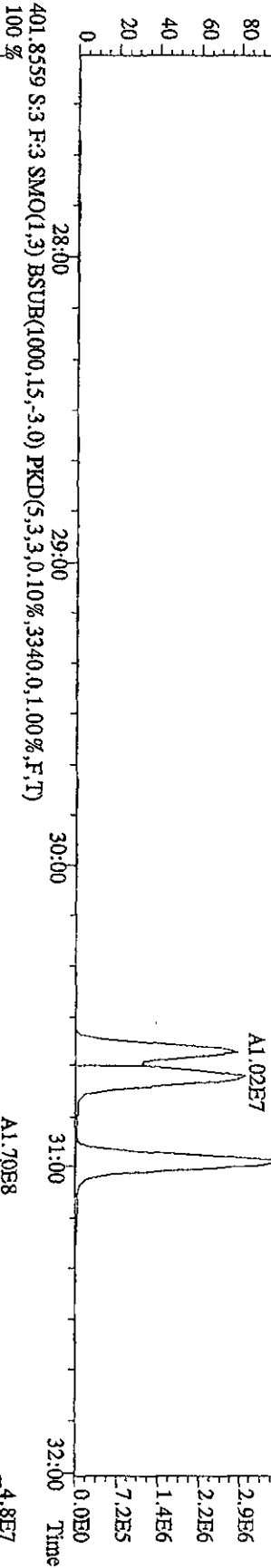
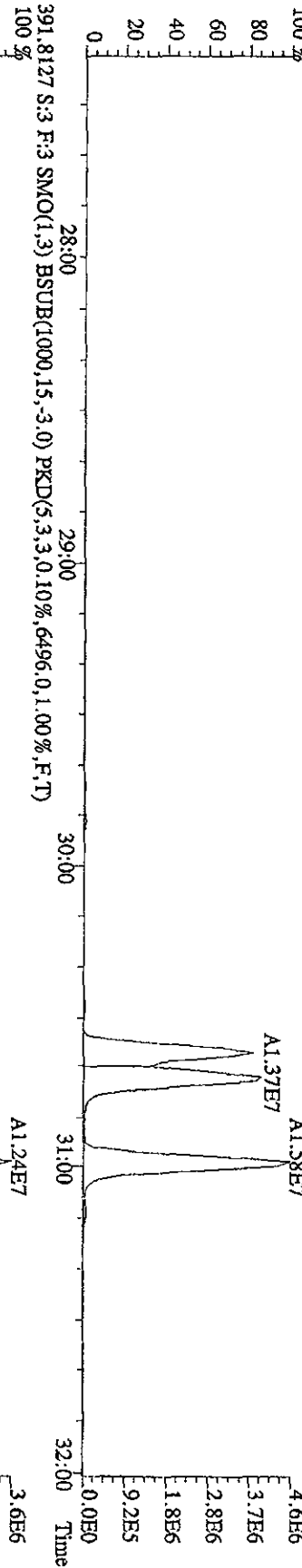
File: 14SEP101D5 #1-422 Acq: 14-SEP-2010 12:02:26 GC.HI + Voltage STR 70SE
 Sample#3 Text: ST0914A :CS2 10DXN335 Exp: DIOXINRES
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4752.0,1.00%,F,T)



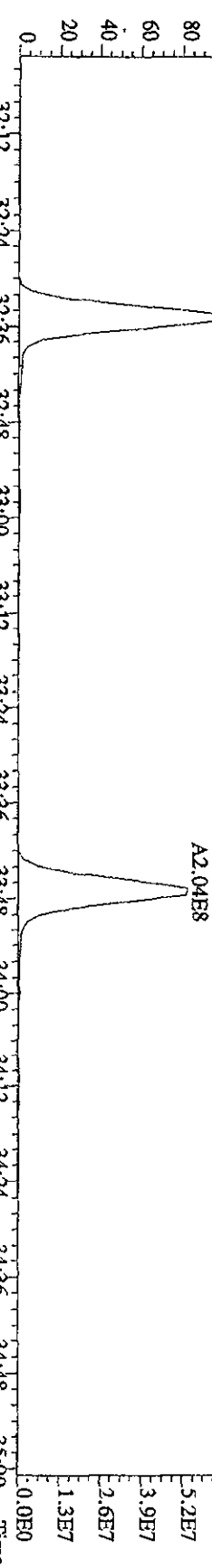
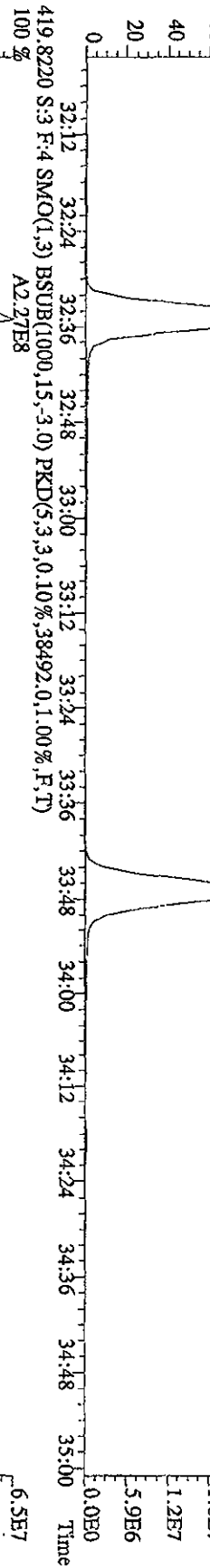
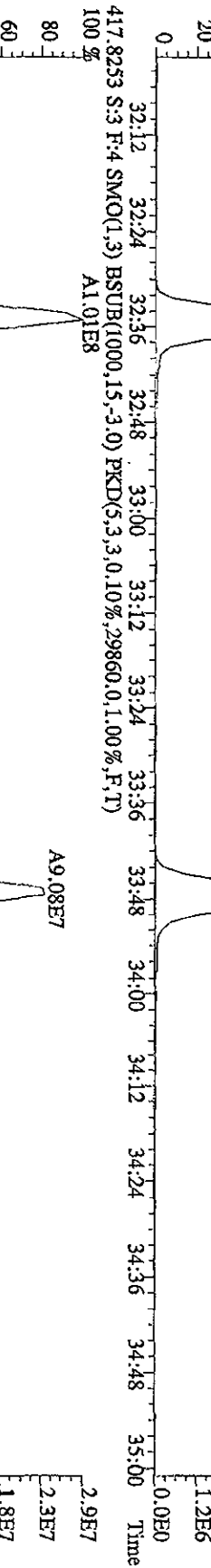
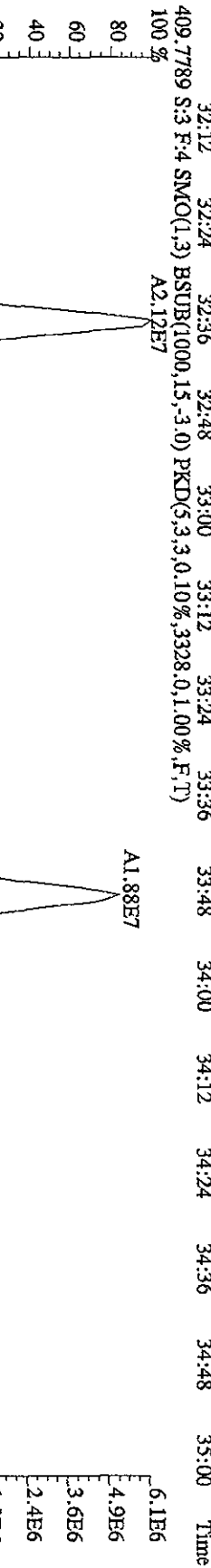
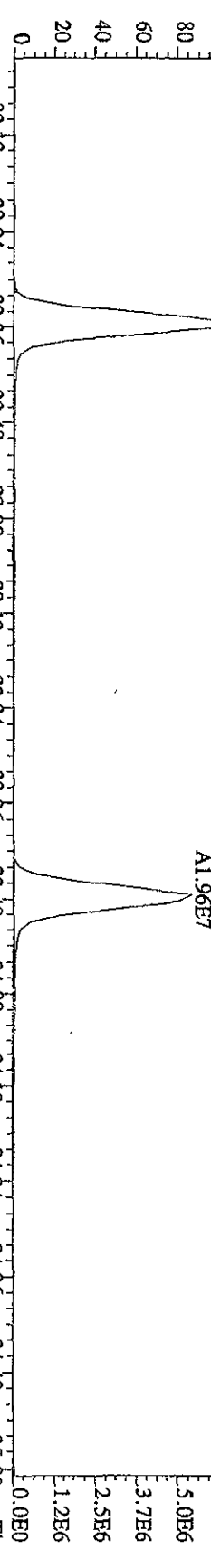
File:14SE101D5 #1-301 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXINRES
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9840,0,1.00%,F,T)



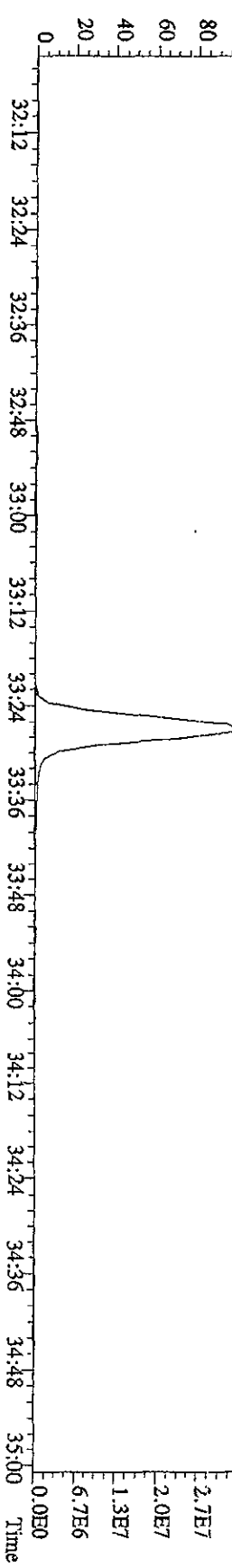
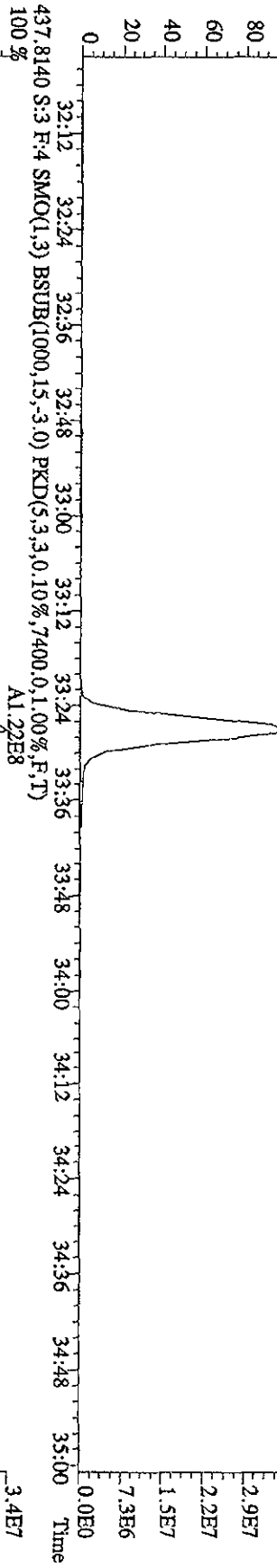
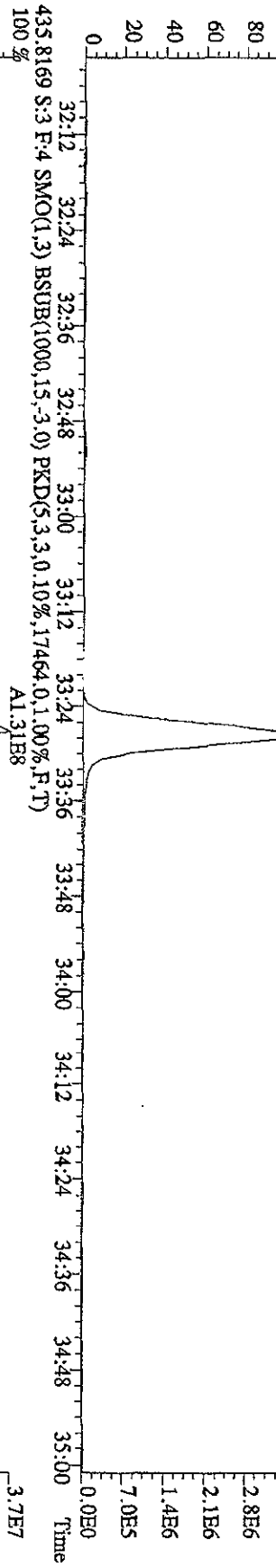
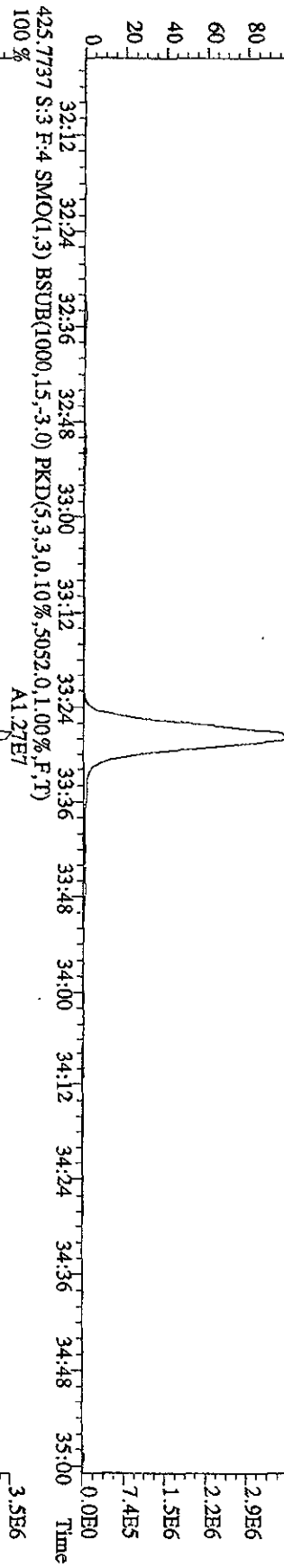
File: 14SEP10ID5 #1-301 Acq: 14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
 Sample#3 Text: ST0914A -CS2 10DXN335 Exp: DIOXINRES
 389.8157 S:3 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3216,0.1,0.00%,F,T)



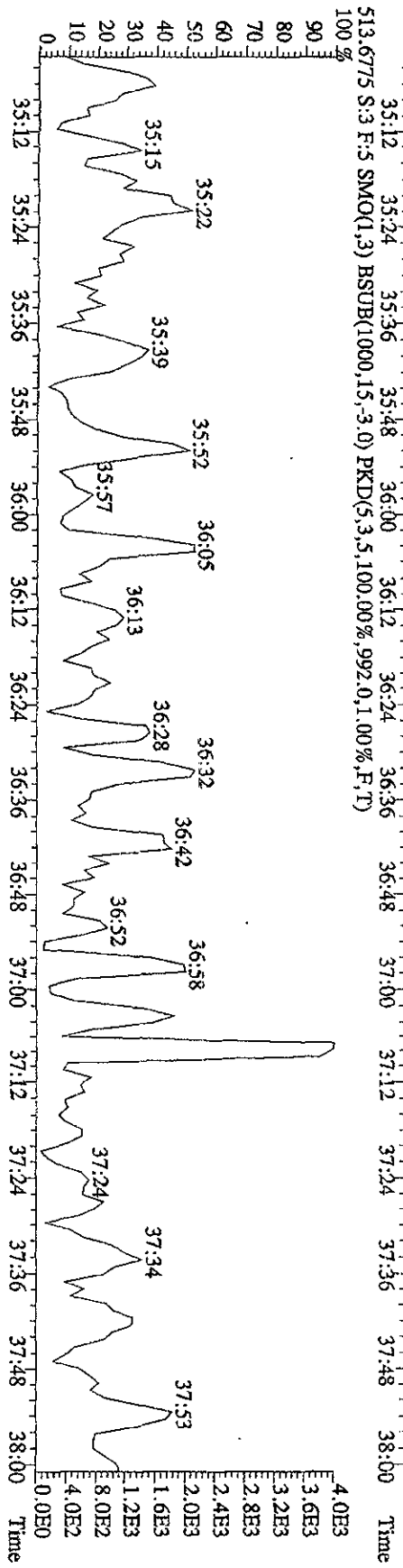
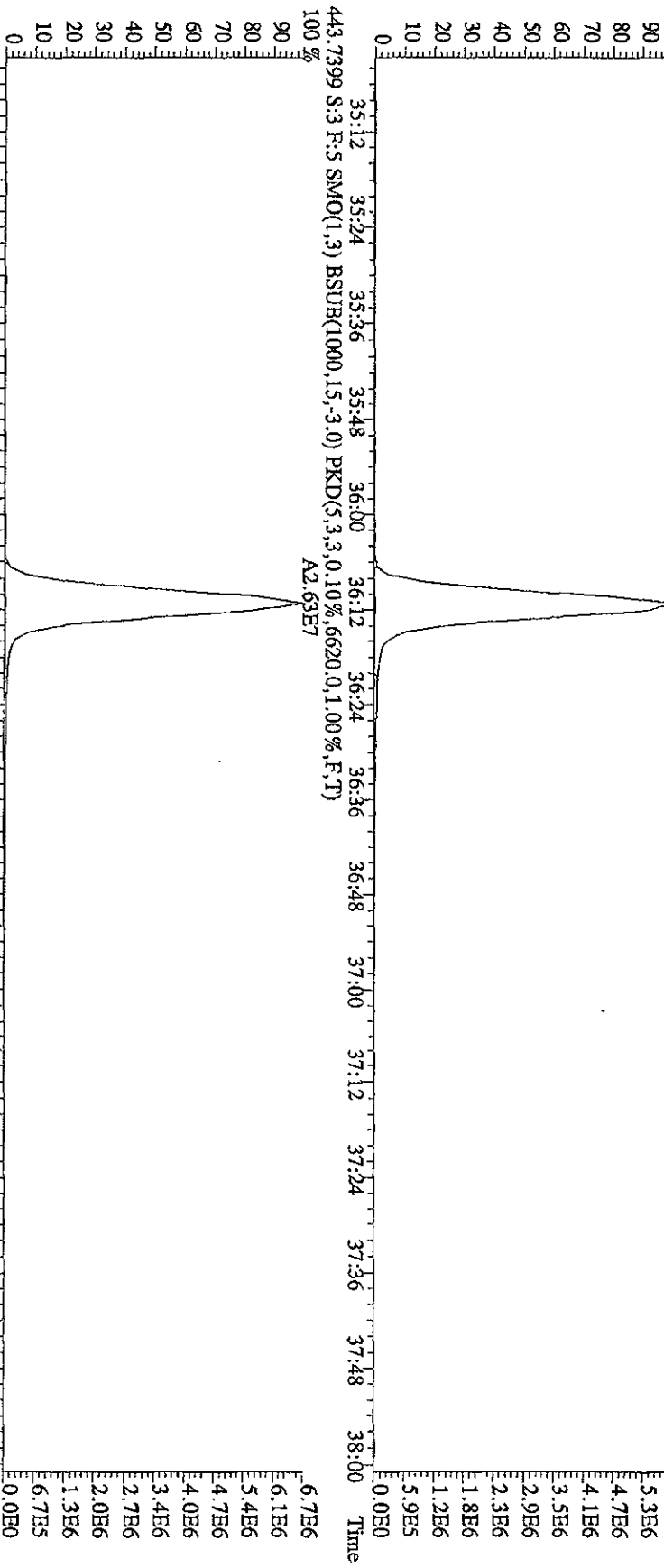
File: 14SEI01D5 #1-203 Acq: 14-SEP-2010 12:02:26 GC EI + Voltage SIR 70SE
 Sample#3 Text: ST0914A .CS2 10DXN335 Exp: DIOXINES
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10608,0.1,00%,F,T)



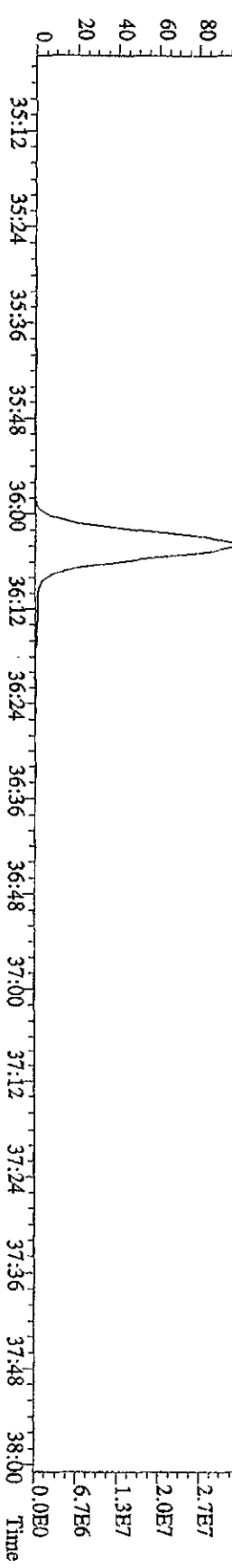
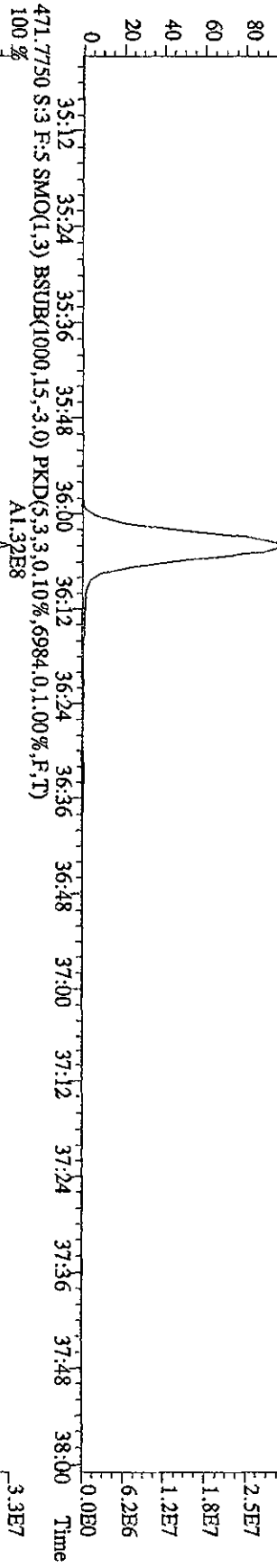
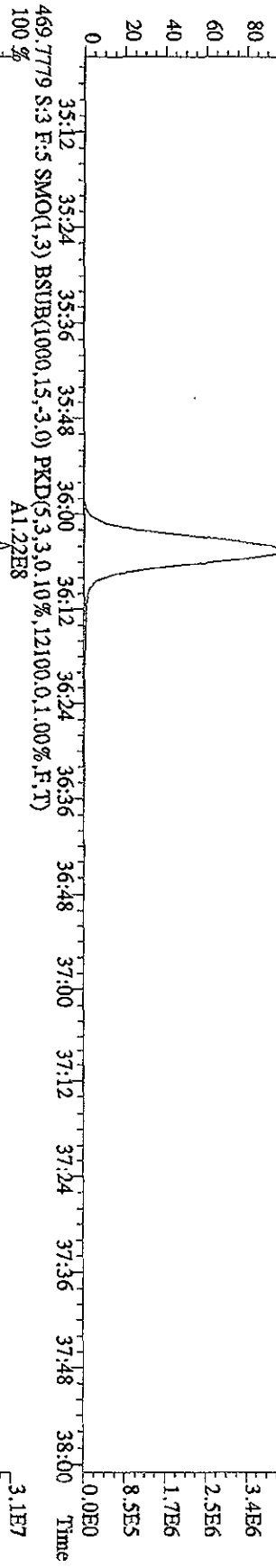
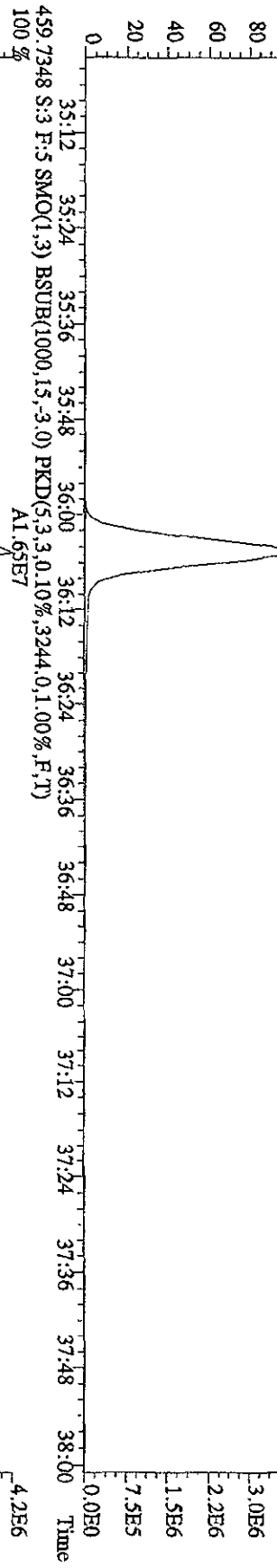
File:14SE101D5 #1-203 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST0914A :CS2 10DDXN335 Exp:DIOXINRES
 423.7766 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4228.0,1.00%,F,T)
 100 % A1.34E7



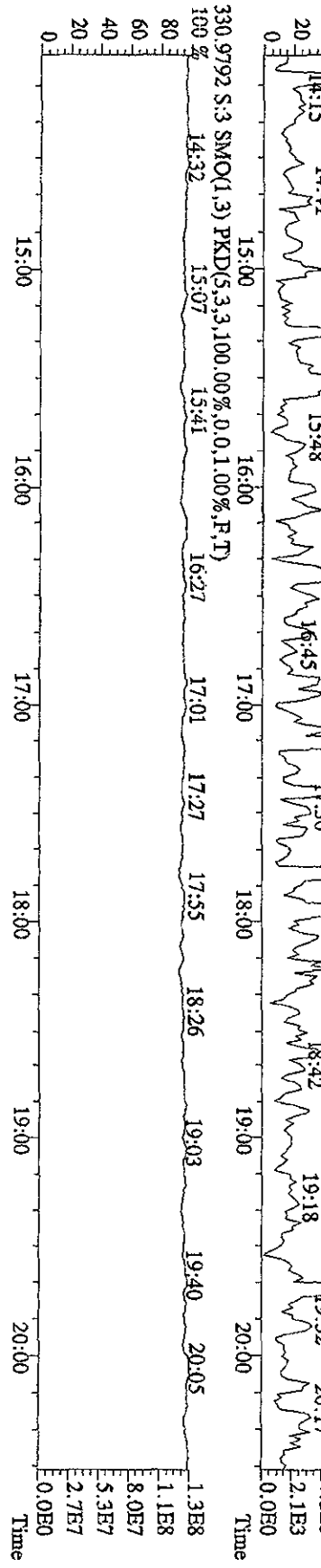
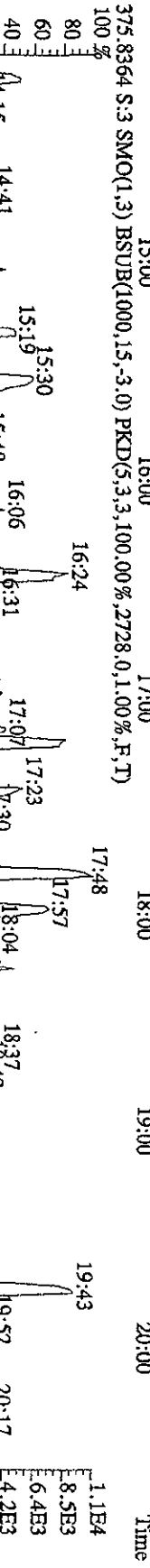
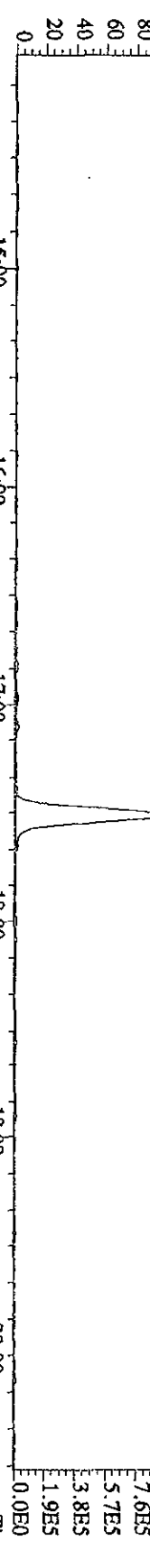
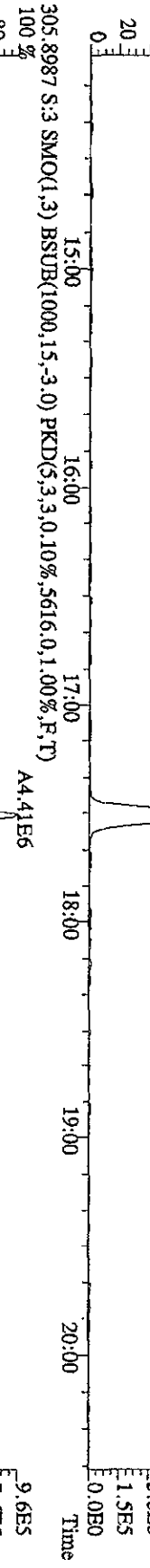
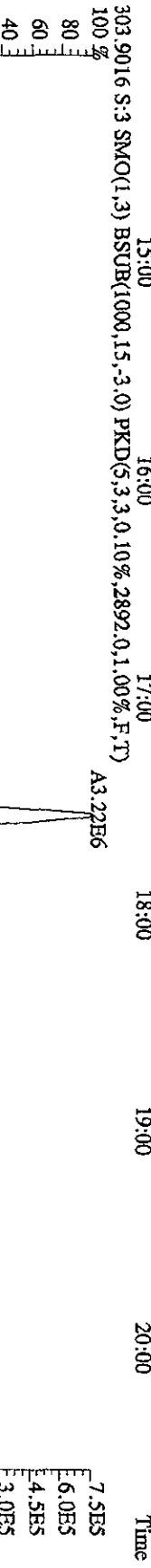
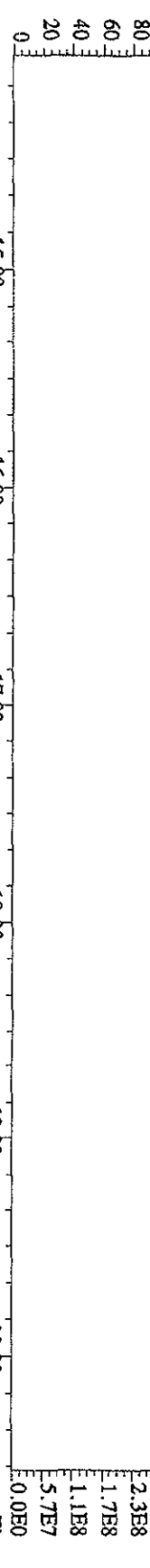
File: 14SE101D5 #1-196 Acq: 14-SEP-2010 12:02:26 GC EI+ Voltage: 51V
 Sample#3 Text: ST0914A :CS2 10DXN335 Exp: DIOXINRES
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4992.0,1.00%,F,T)
 A2.32E7



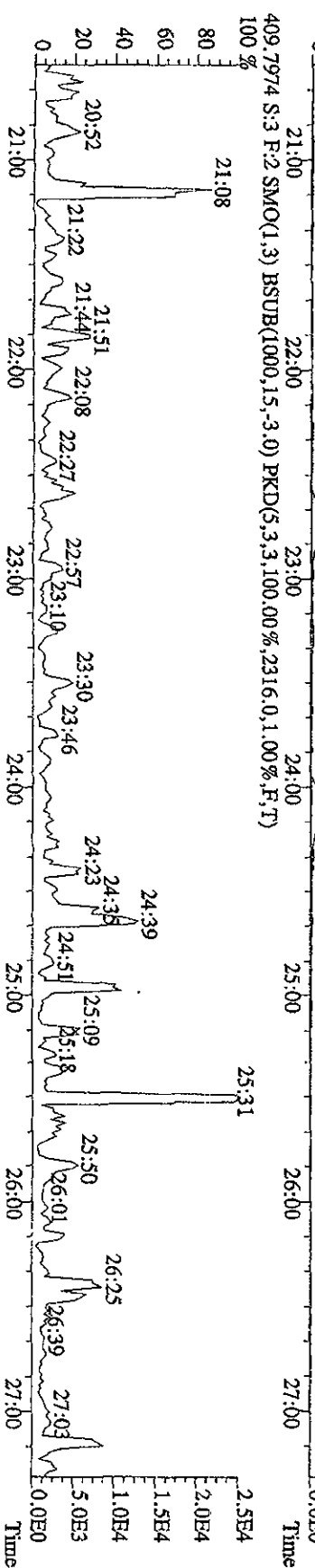
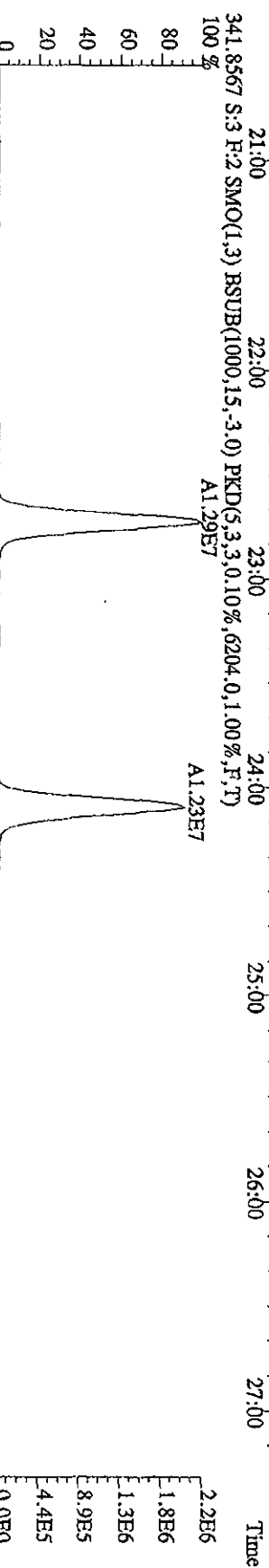
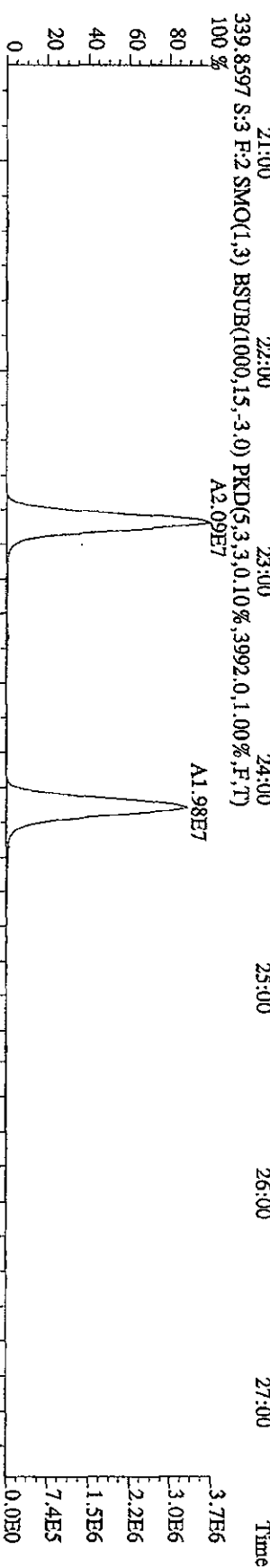
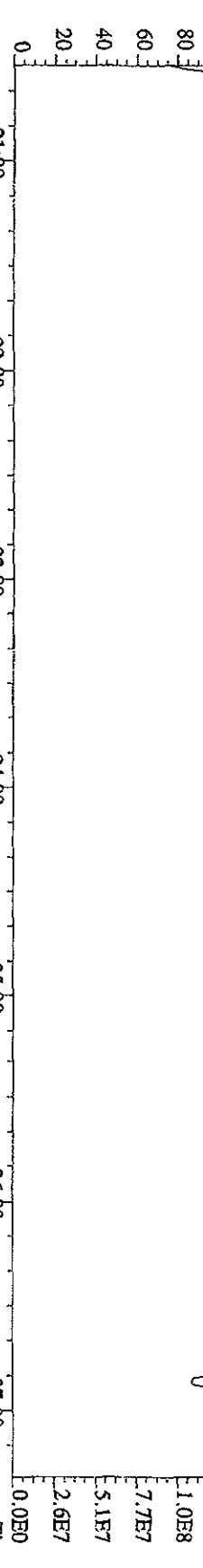
File:14SE101D5 #1-196 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST0914A :CS2 10DXN335 Exp.:DIOXINRES
 457.7377 S:3 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5104.0,1.00%,F,T)
 100% A1.48E7



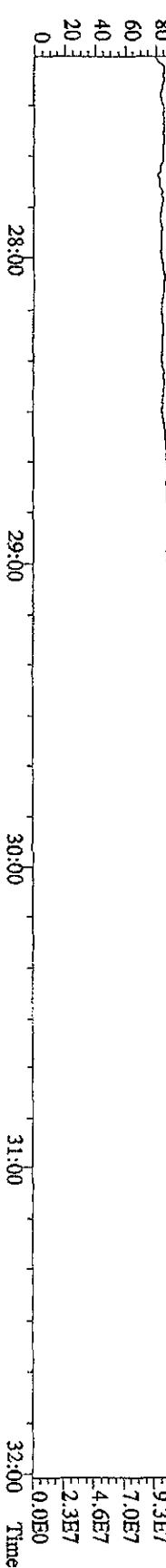
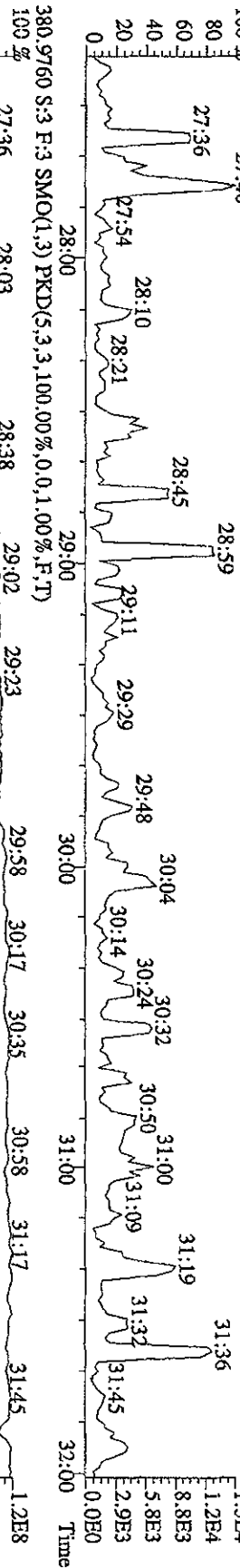
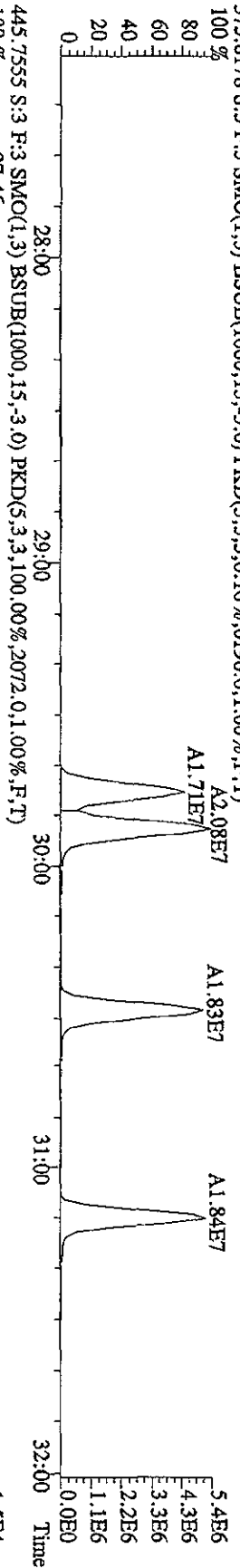
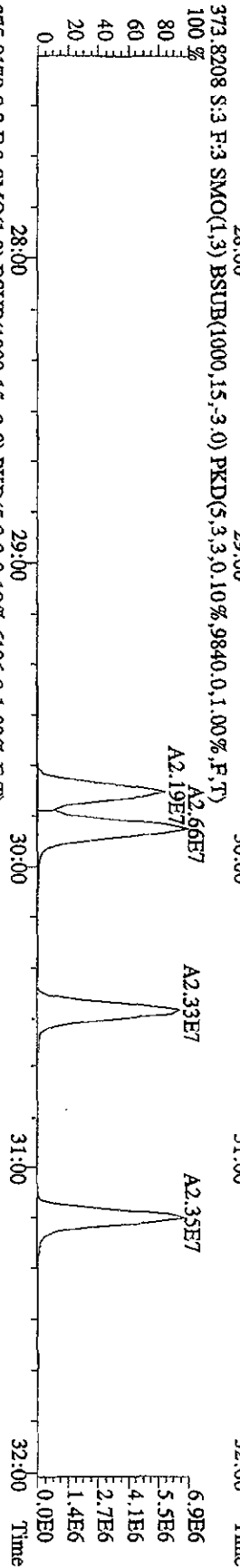
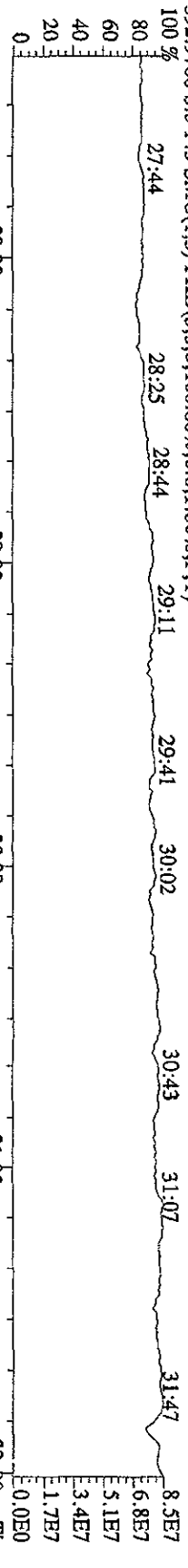
File: 14SEI01D5 #1-382 Acq: 14-SEP-2010 12:02:26 GC EI+ Voltage STR 70SE
 Sample#3 Text: ST0914A :CS2 10DXN335 Exp: DIOXINRES
 292.9825 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 100% 14:11 14:50 15:12 16:06 16:50 17:32 17:57 18:26 18:55 19:41 20:04



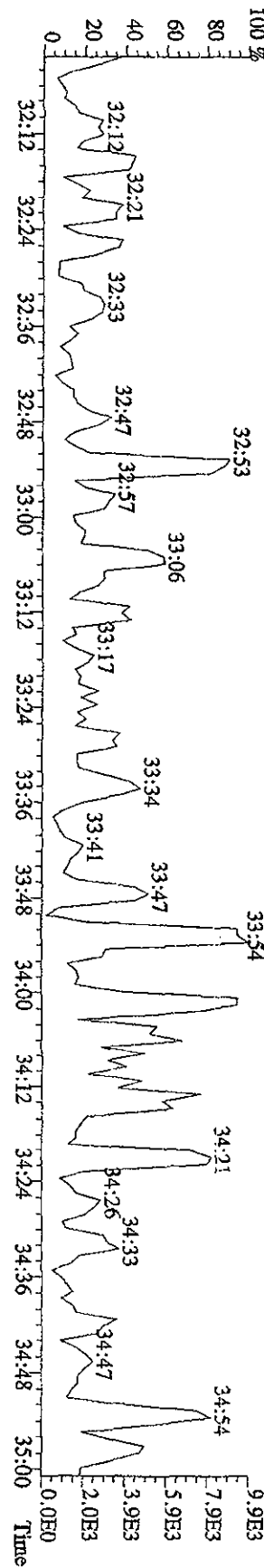
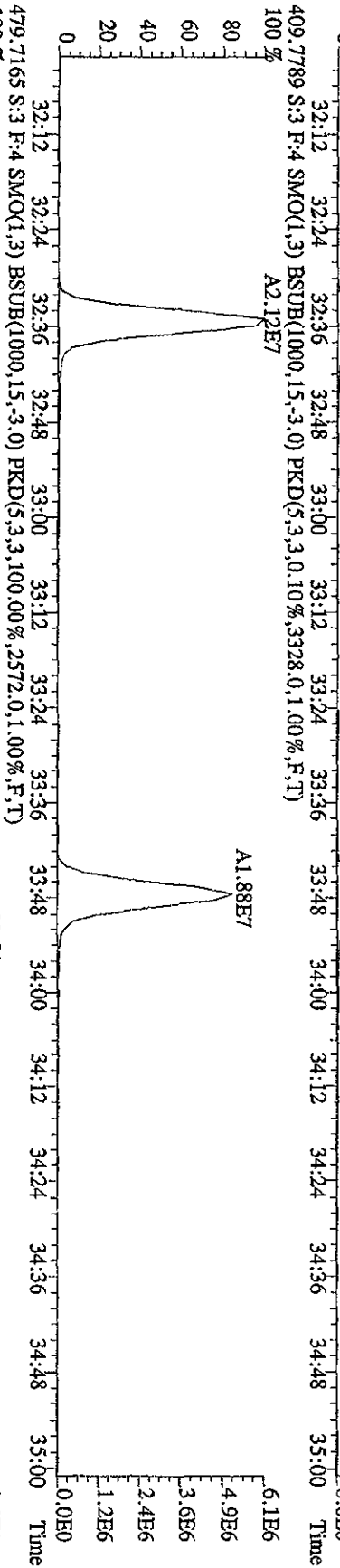
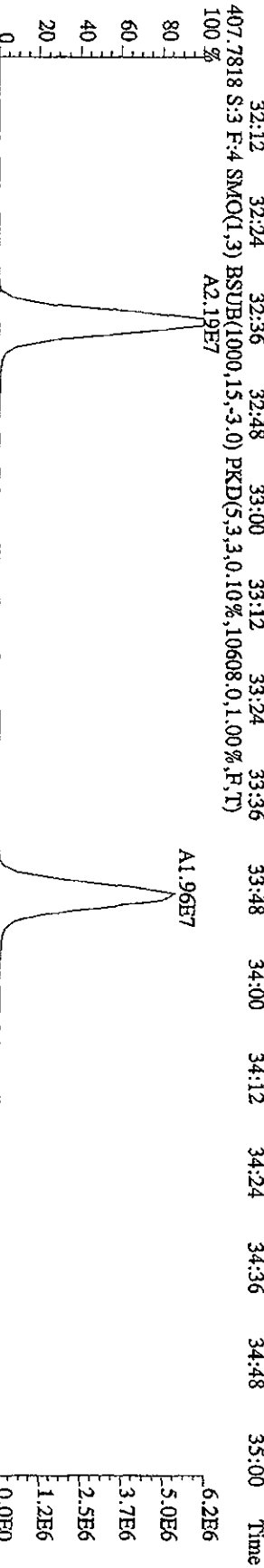
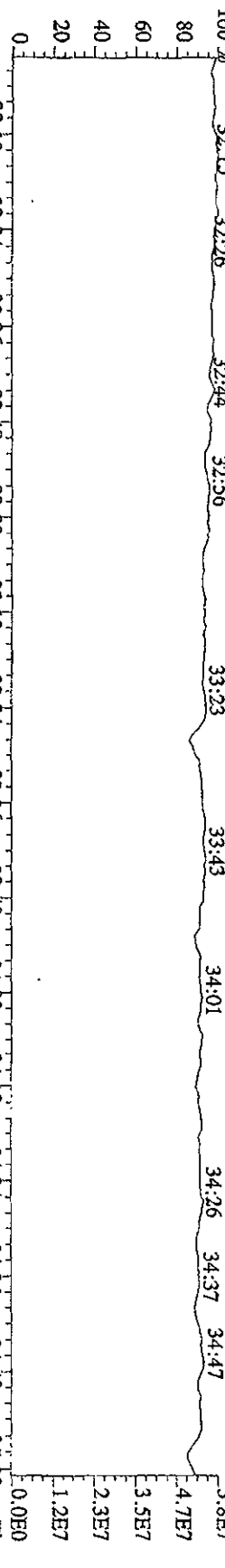
File: 14SE101D5 #1-422 Acq: 14-SEP-2010 12:02:26 GC EI + Voltage SIR 70SE
 Sample#3 Text: ST0914A :CS2 10DXN335 Exp: DIOXINES
 342.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 20:51 21:31 21:58 22:24 22:58 23:28 23:50 24:21 24:55 25:30 25:58 26:21 26:57



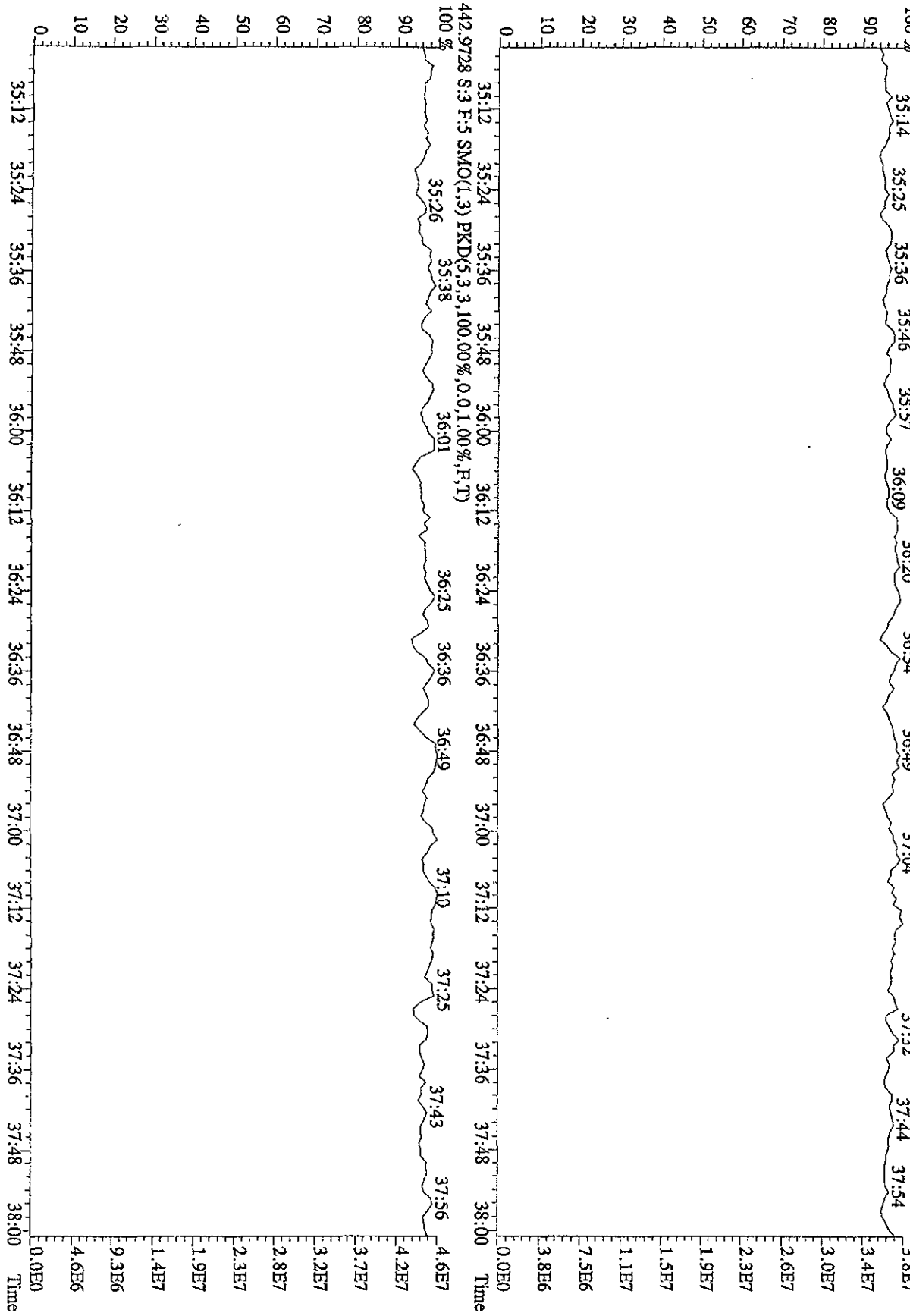
File:14SEI01D5 #1-301 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST10914A :CS2 10DXN335 Exp:DIOXINES
 392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 380.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



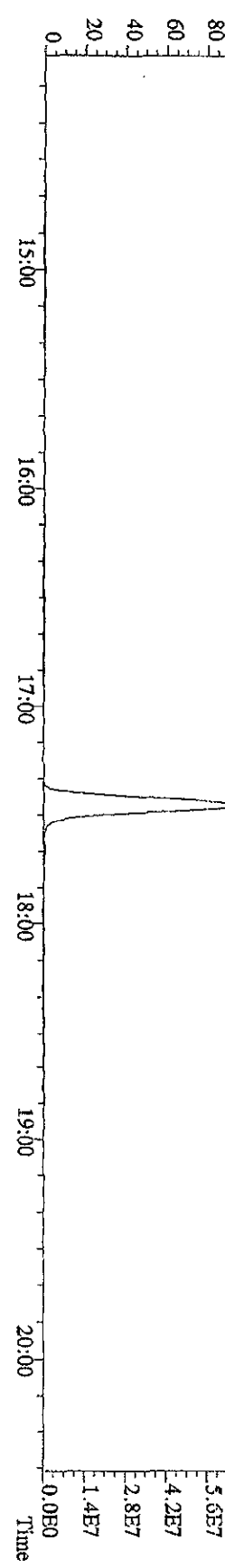
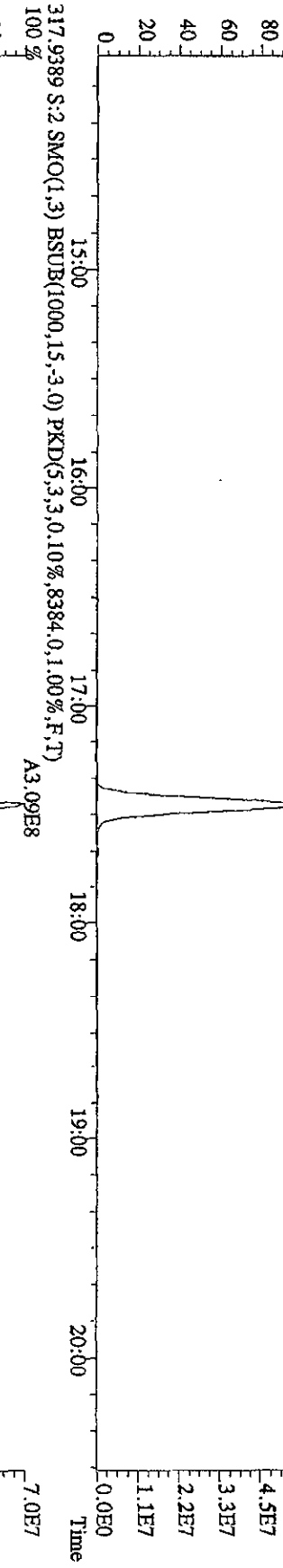
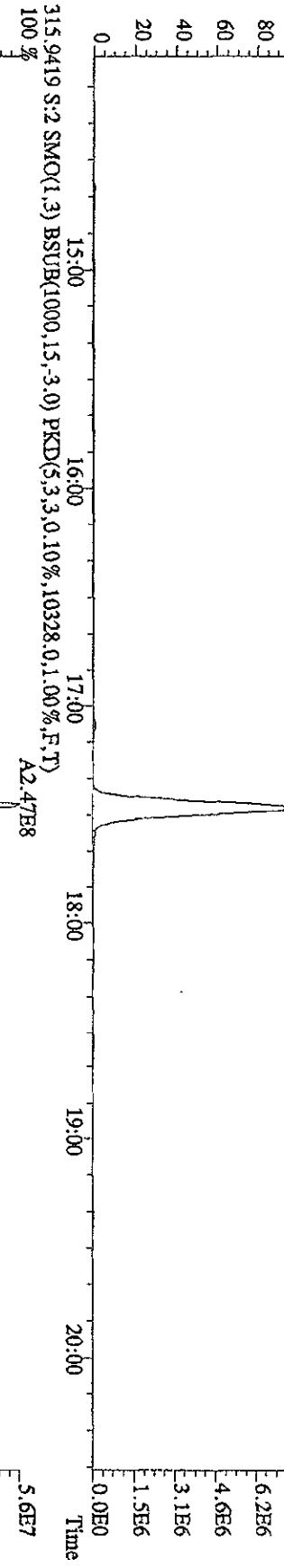
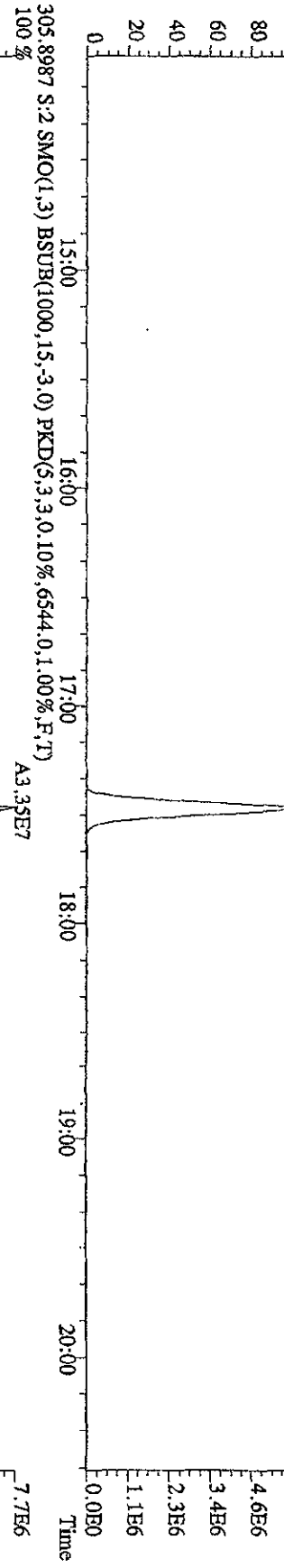
File: 14SE101D5 #1-203 Acq: 14-SEP-2010 12:02:26 GC HI+ Voltage SIR 70SE
 Sample#3 Text: ST0914A :CS2 IODXN335 Exp: DIOXINRES
 430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



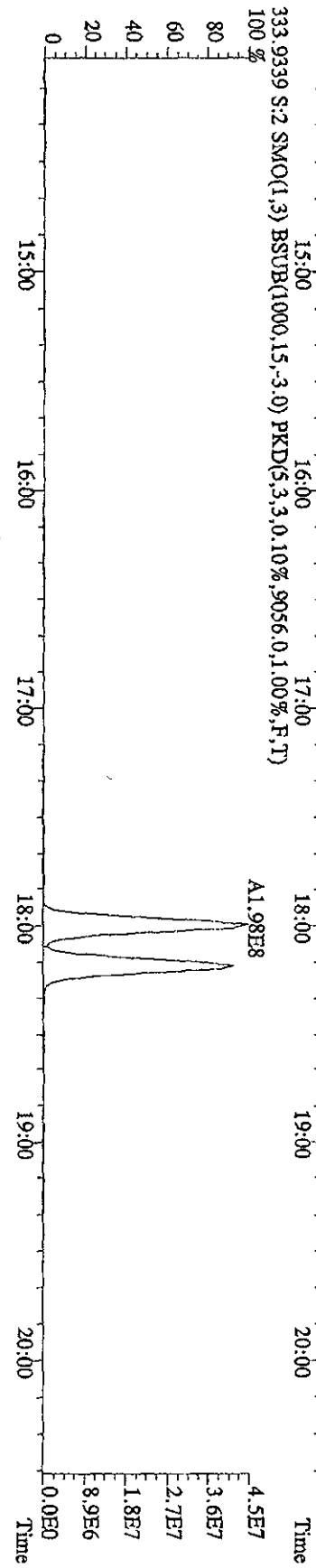
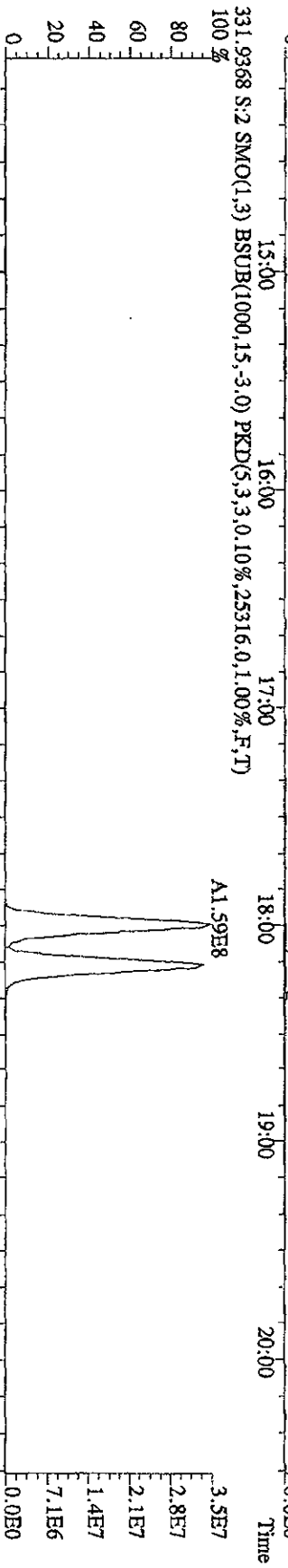
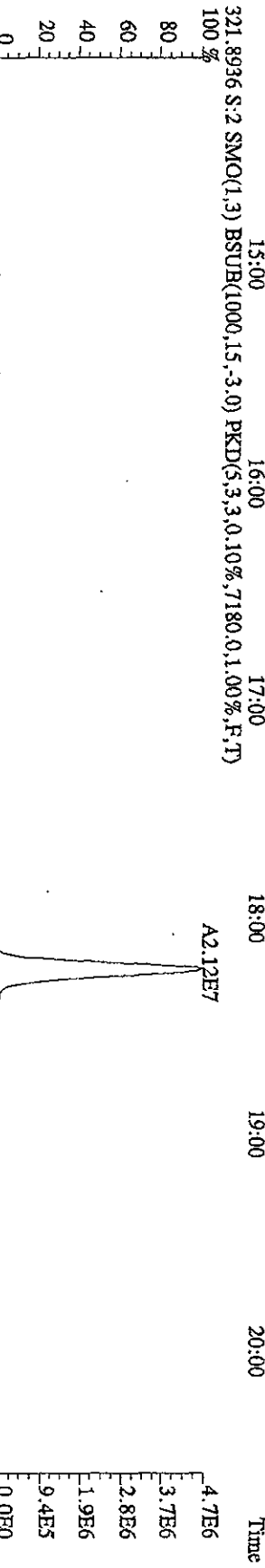
File:14SE101D5 #1-196 Acq:14-SEP-2010 12:02:26 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST0914A :CS2 10DXN335 Exp:DIOXNRES
 454.9728 S:3 F:5 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



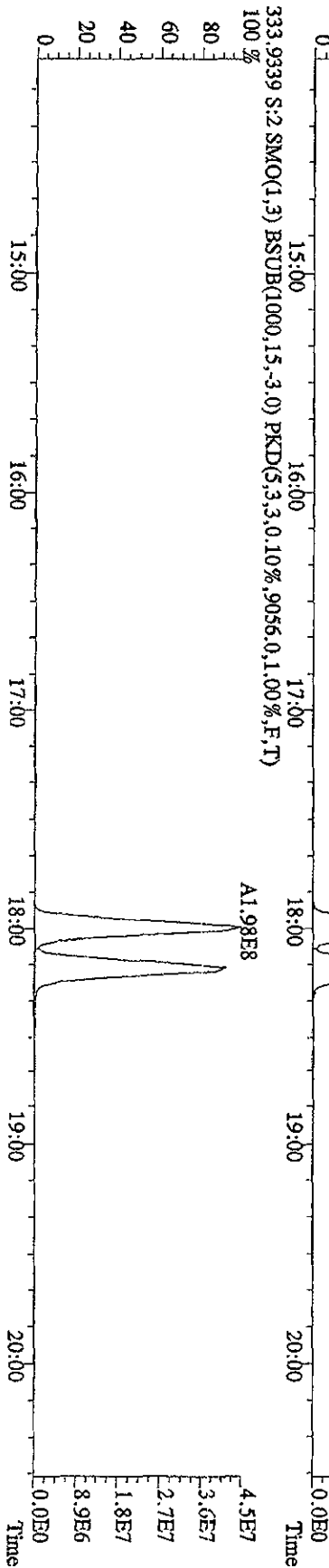
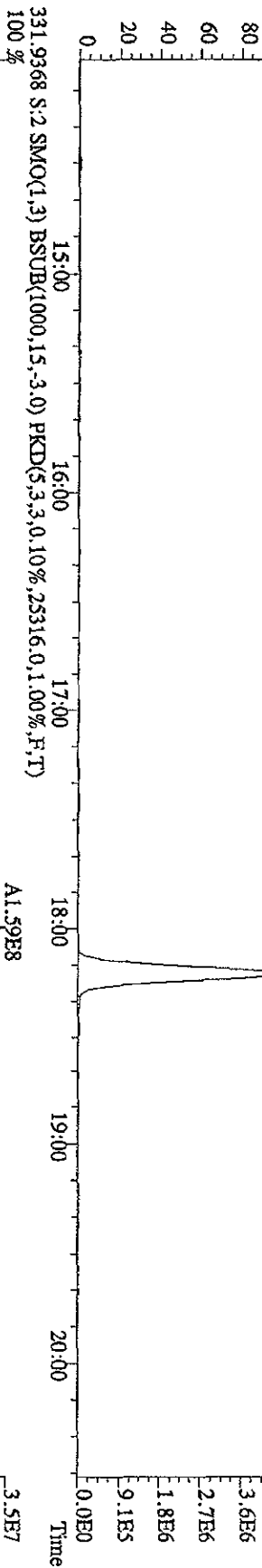
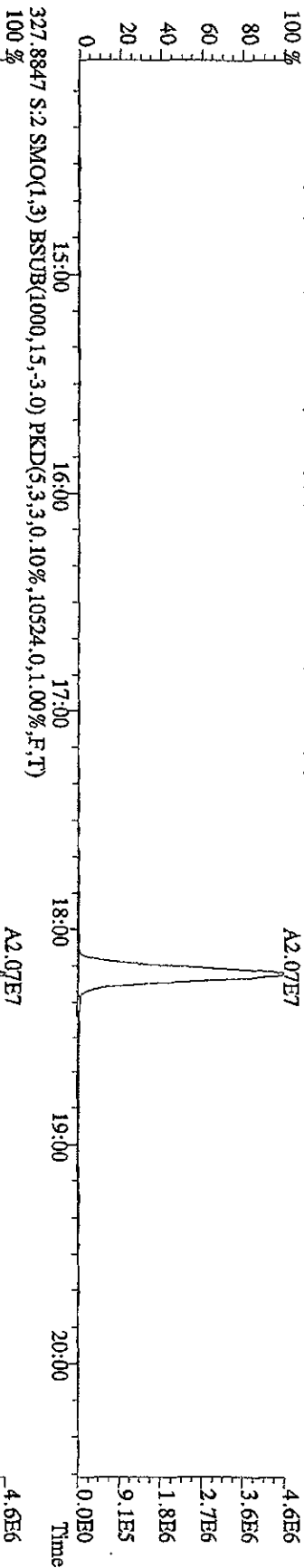
File: 14SEP101D5 #1-382 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5980,0,1.00%,F,T)
 100%



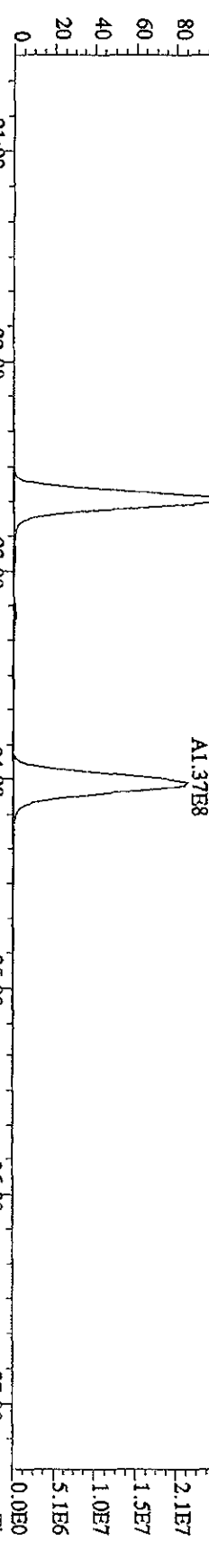
File:14SE101D5 #1-382 Acq:14-SEP-2010 11:17:57 GC EI+ Voltage 31R 70SE
 Sample#2 Text:ST0914 :CS3 10DXN426 Exp:DIOXINRES
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6308,0,1,00%,F,T)
 100 %



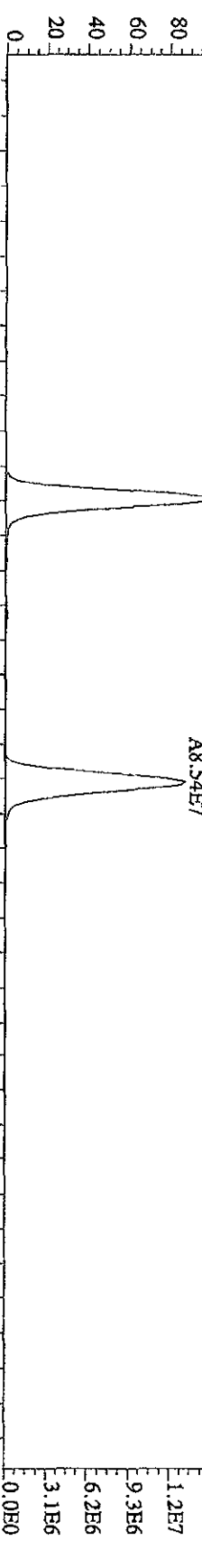
File: 14SE101D5 #1-382 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage SR 70SE
Sample#2 Text: ST0914 :CS3 10DXN426 Exp: DIOXINRES
327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10524.0,1.00%,F,T)



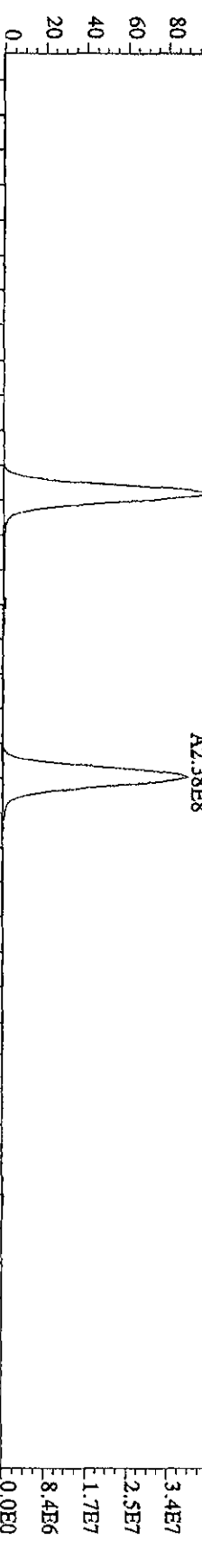
File: 14SE101D5 #1-422 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST0914 :CS3 10DYXN426 Exp: DIOXINRES
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5580,0.1,00%,F,T)
 100% A1.48E8



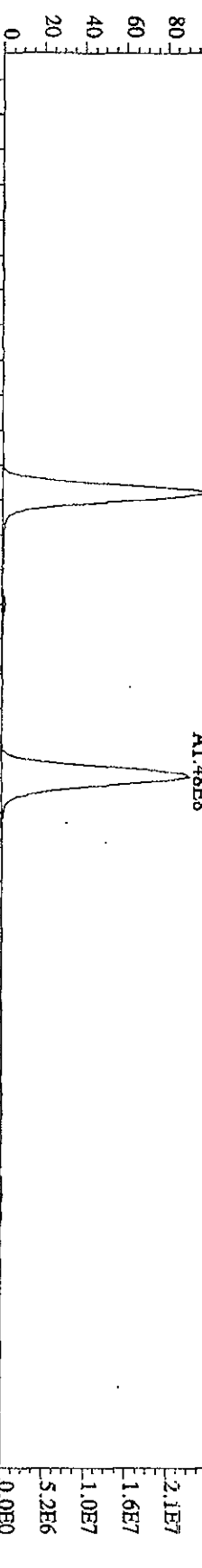
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10000,0.1,00%,F,T)
 100% A9.06E7



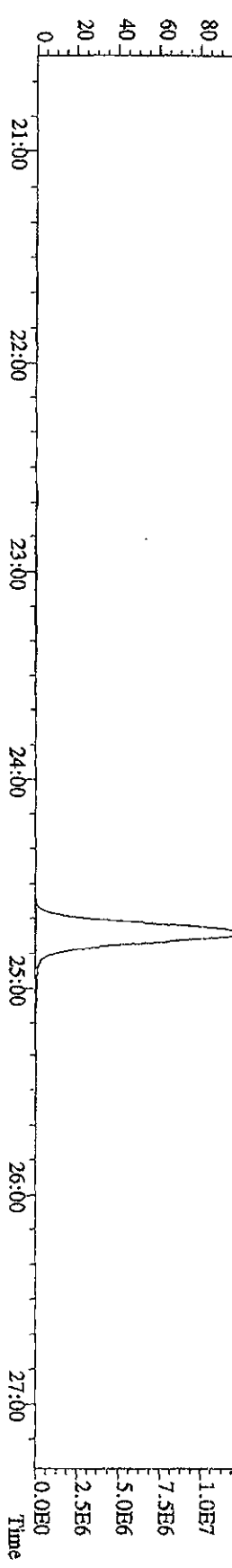
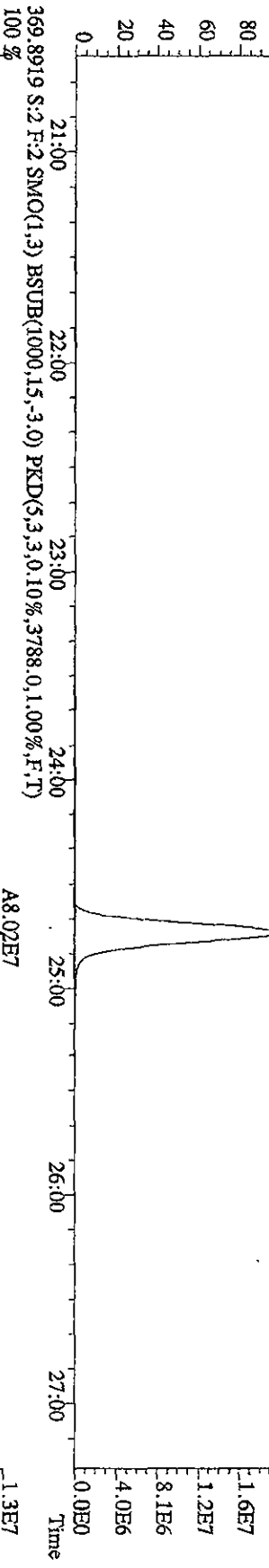
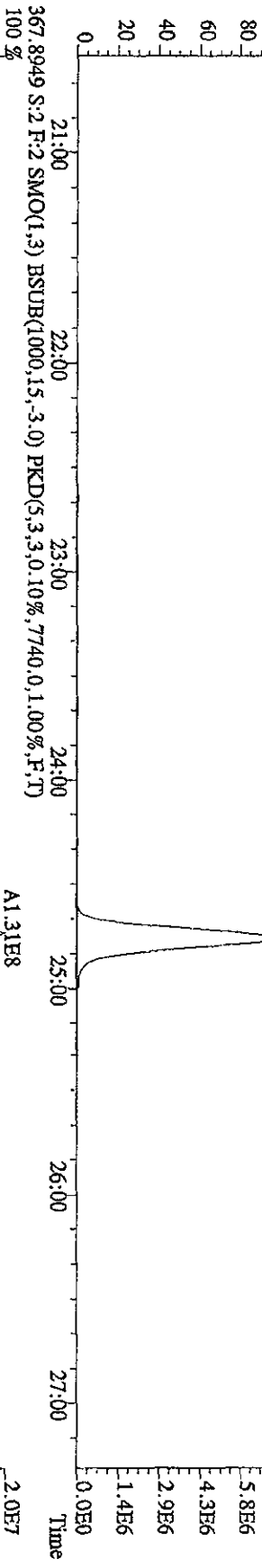
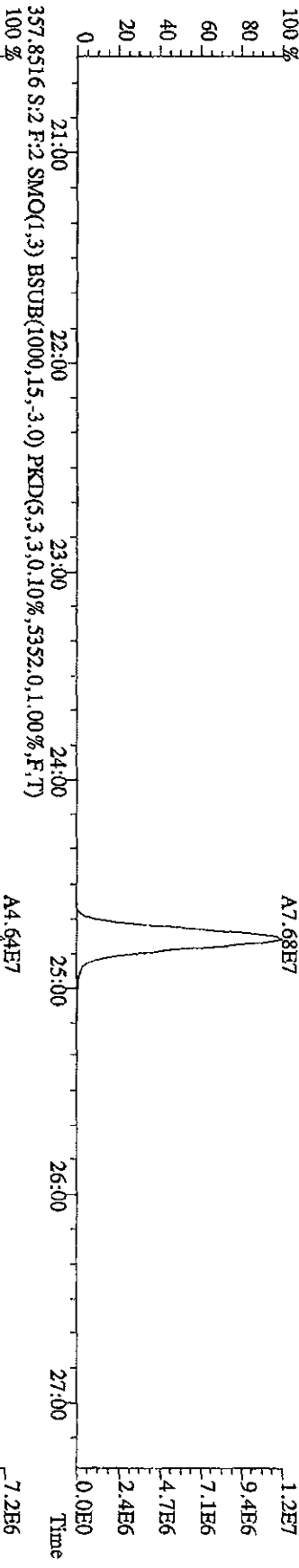
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10176,0.1,00%,F,T)
 100% A2.43E8



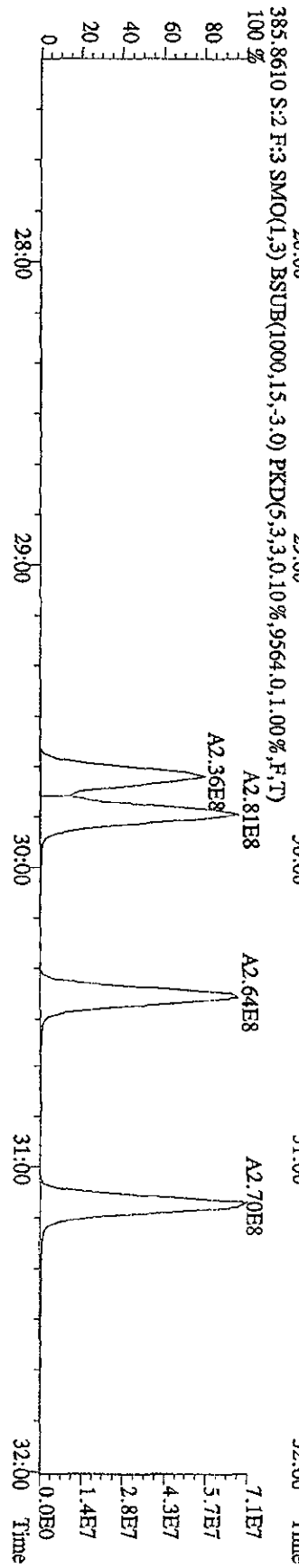
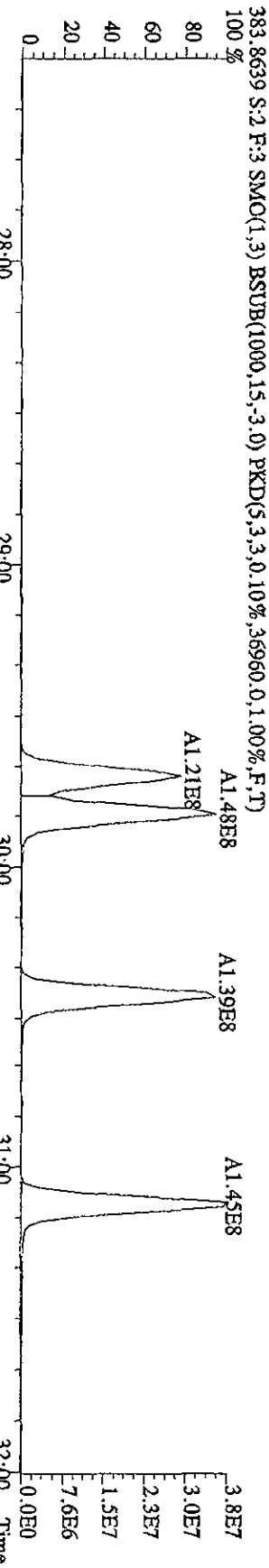
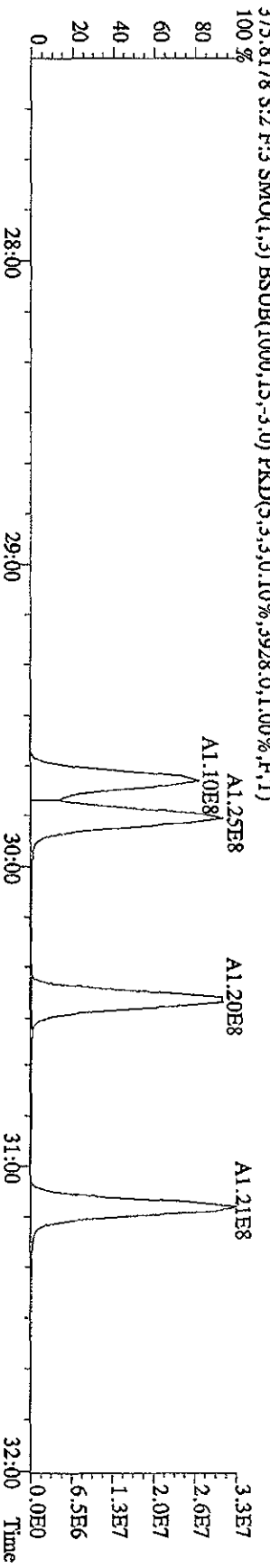
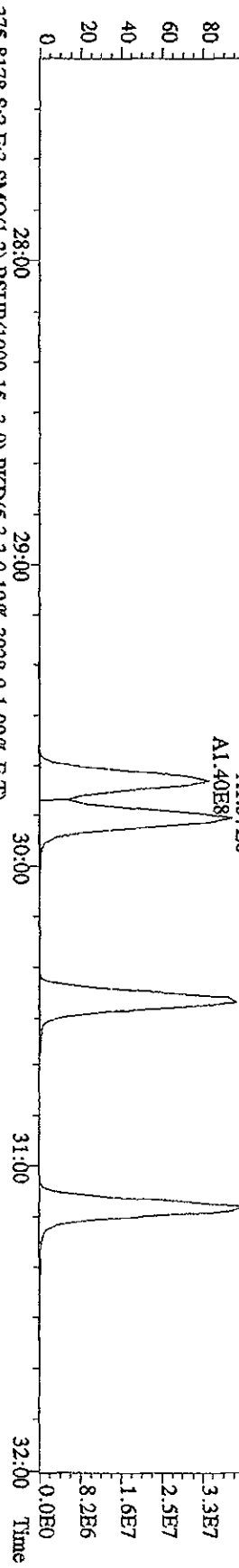
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6400,0.1,00%,F,T)
 100% A1.48E8



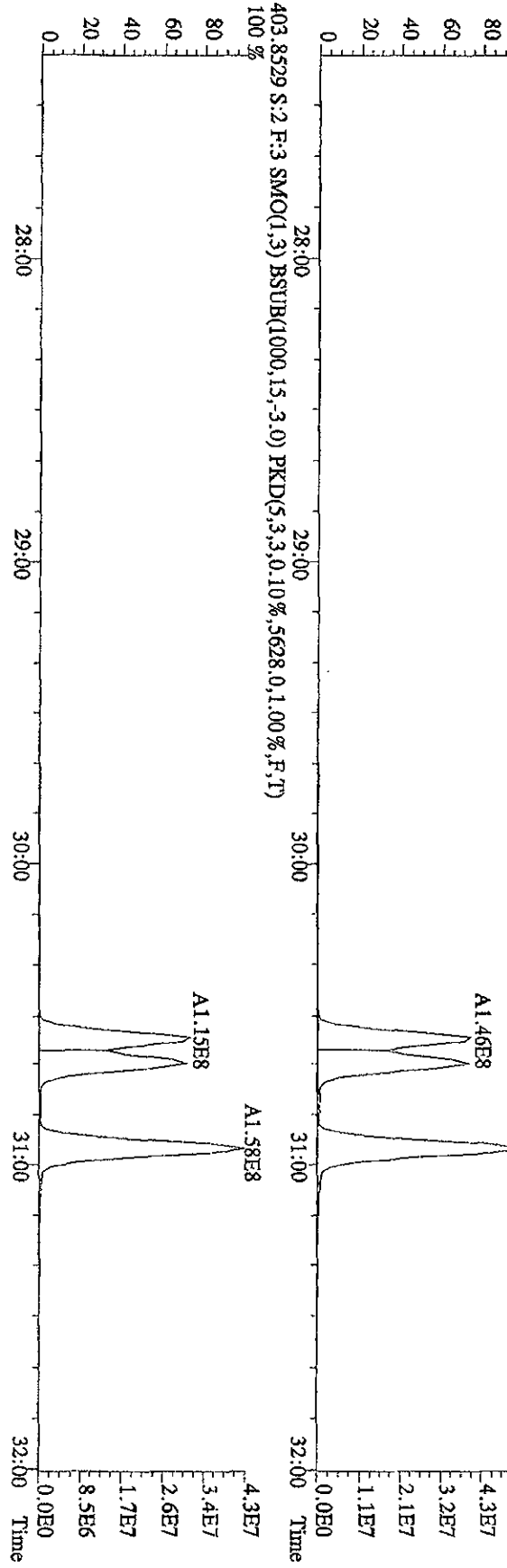
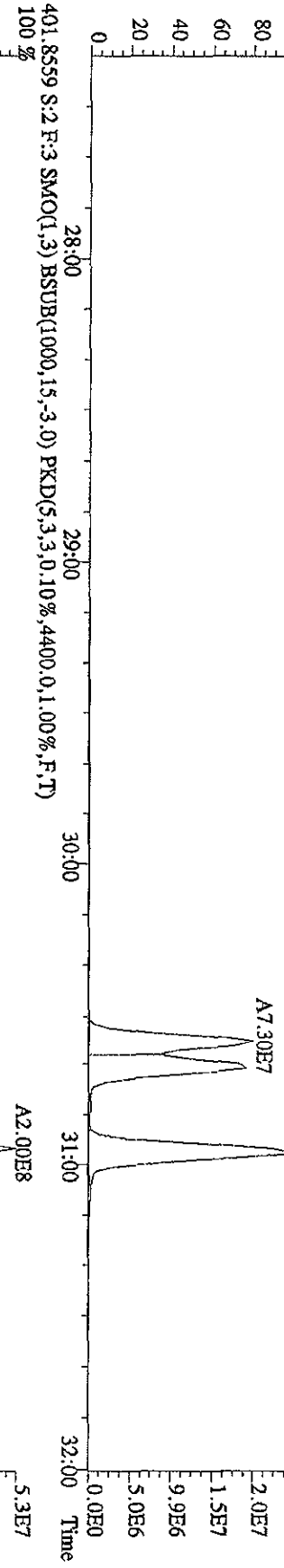
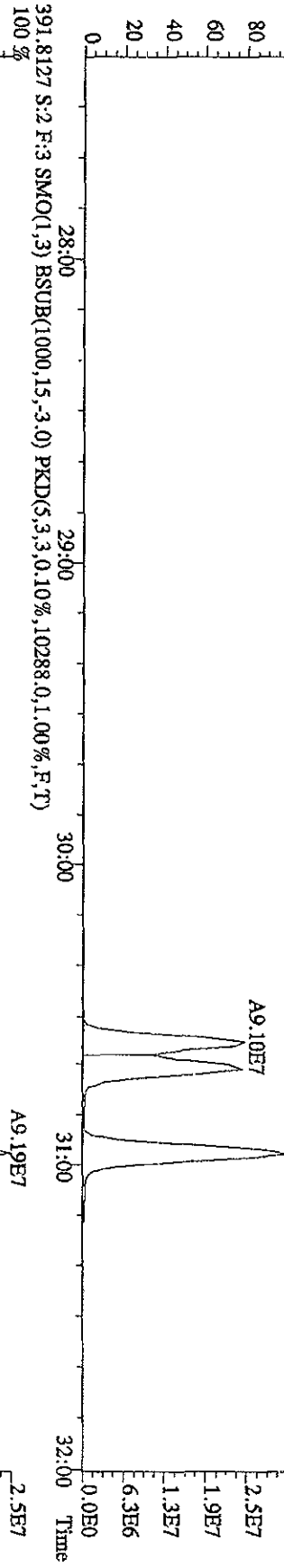
File: 14SEI01D5 #1-422 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage STR 70SE
 Sample#2 Text: ST0914 : CS3 10DXN426 Exp: DIOXINRES
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6848,0.1,00%,F,T)
 100%



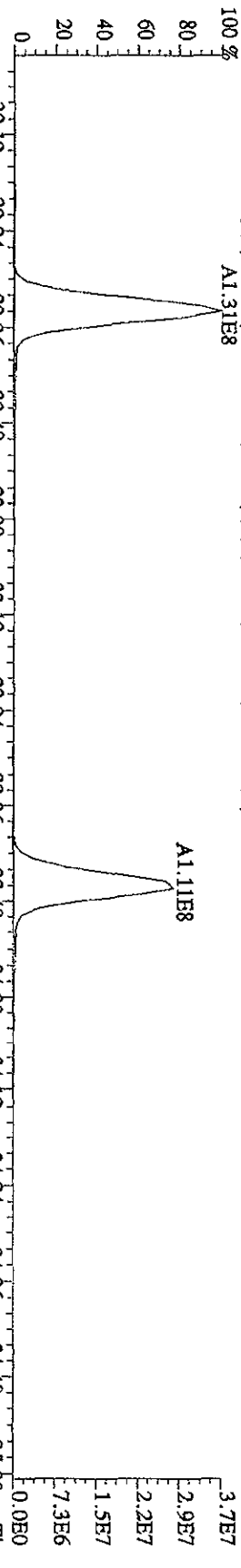
File: 14SEP101D5 #1-301 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST0914 : CS3 10DXM426 Exp: DIOXINRBS
 373.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.5584,0,1.00%,F,T)
 100%



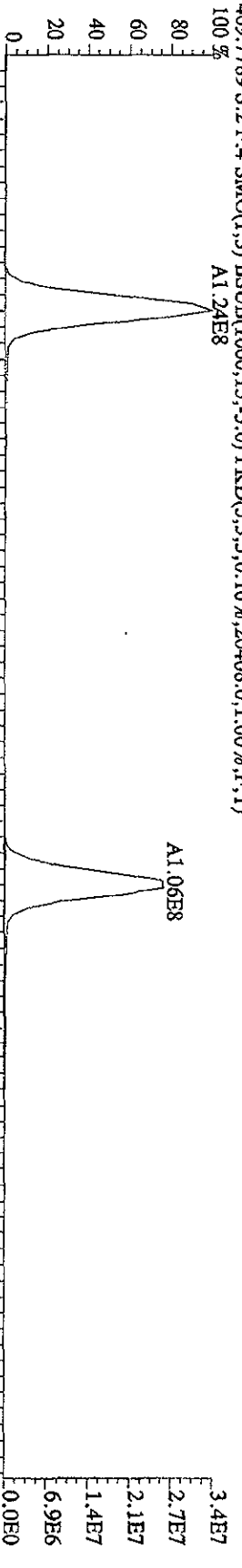
File: 14SEP101D5 #1-301 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST0914 :CS3 10DXN426 Exp: DIOXINRBS
 389,8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3976,0,1,00%,F,T)
 100%



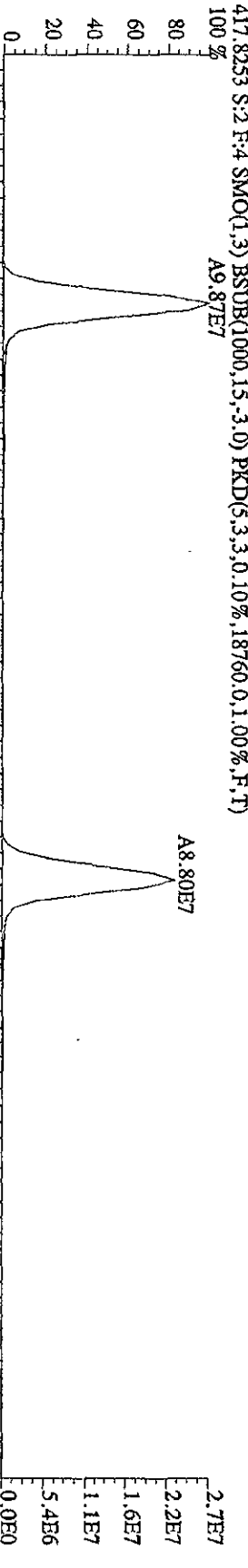
File: 14SE101D5 #1-203 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST0914 :CS3 10DXN426 Exp: DIOXINRES
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,19552,0.1,00%,F,T)
 100%



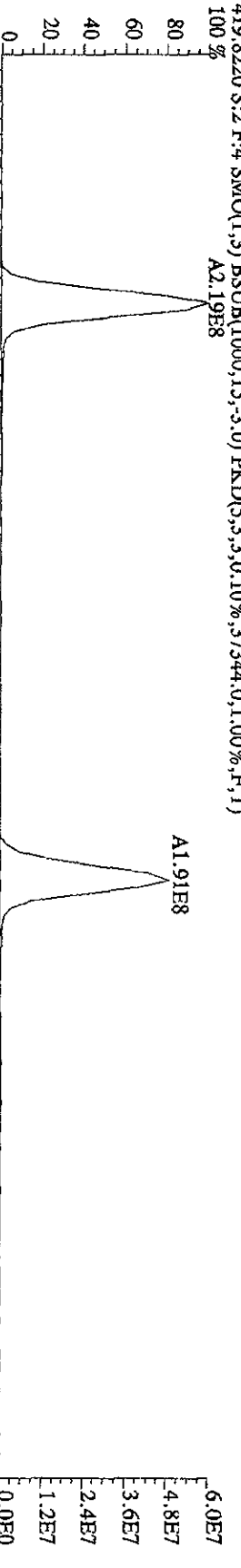
409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,20408,0.1,00%,F,T)
 100%



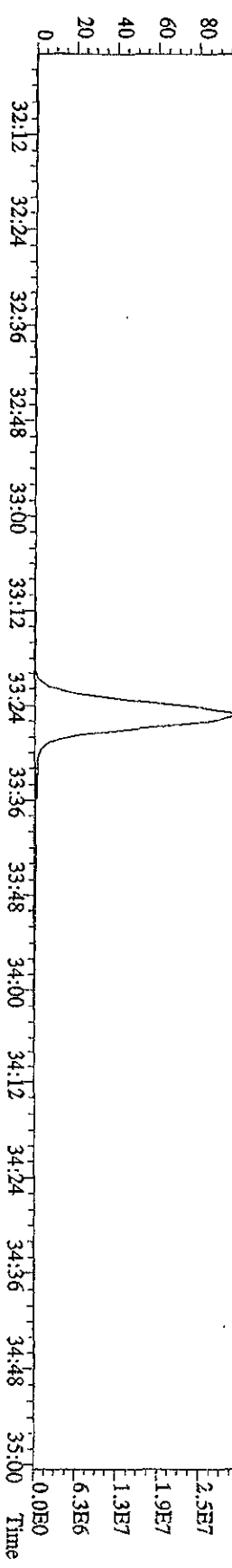
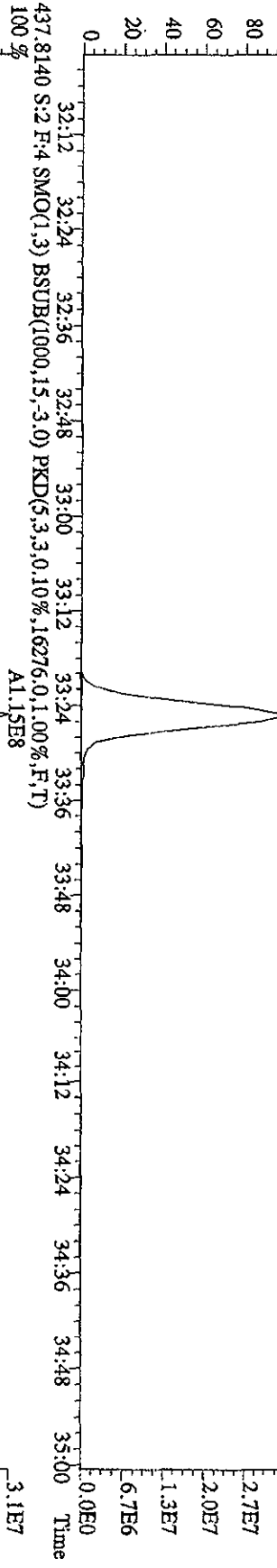
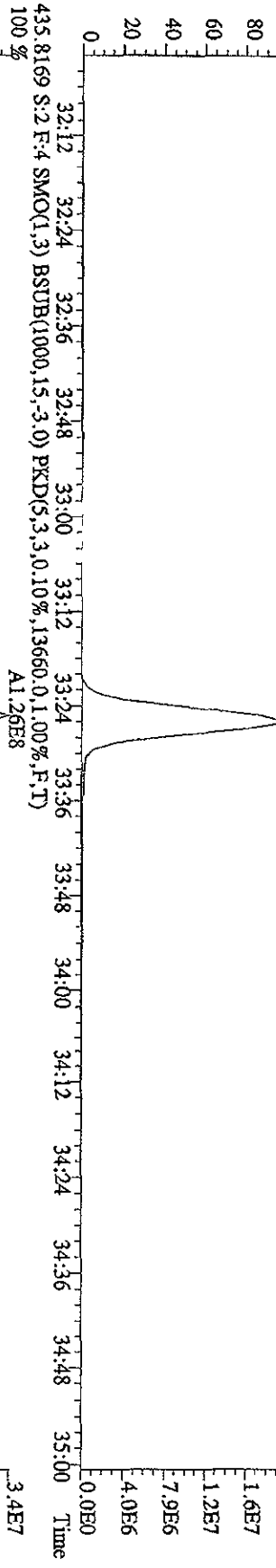
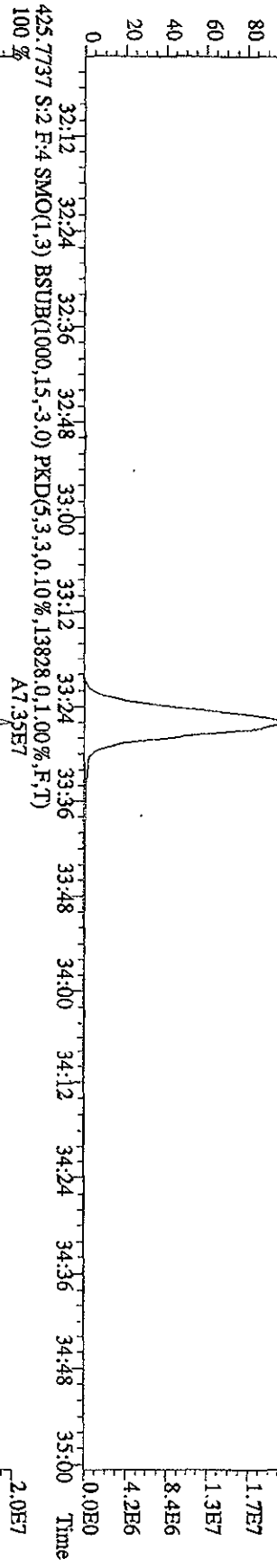
417.8223 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,18760,0.1,00%,F,T)
 100%



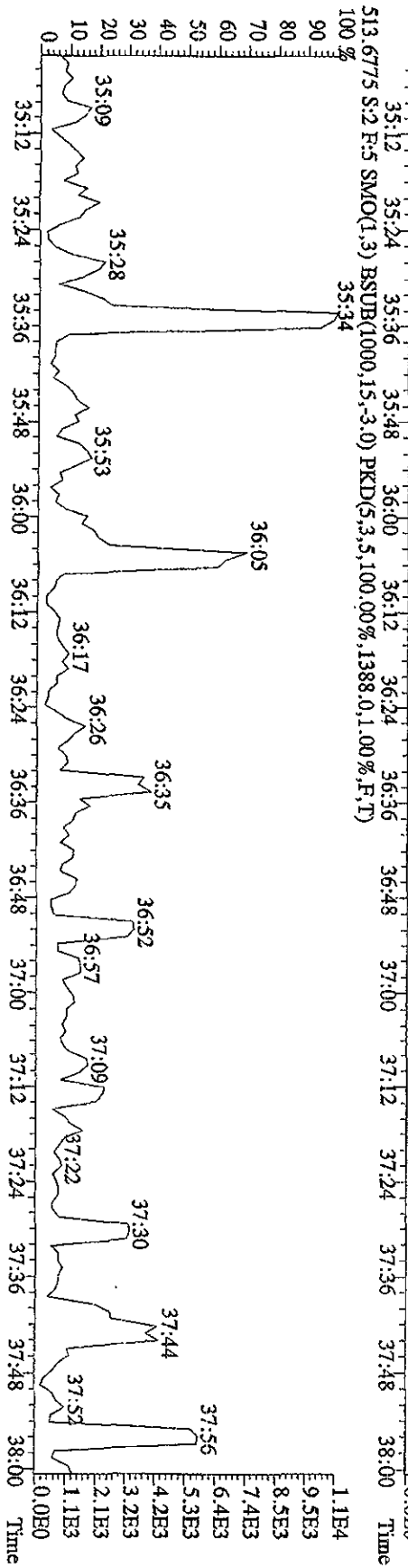
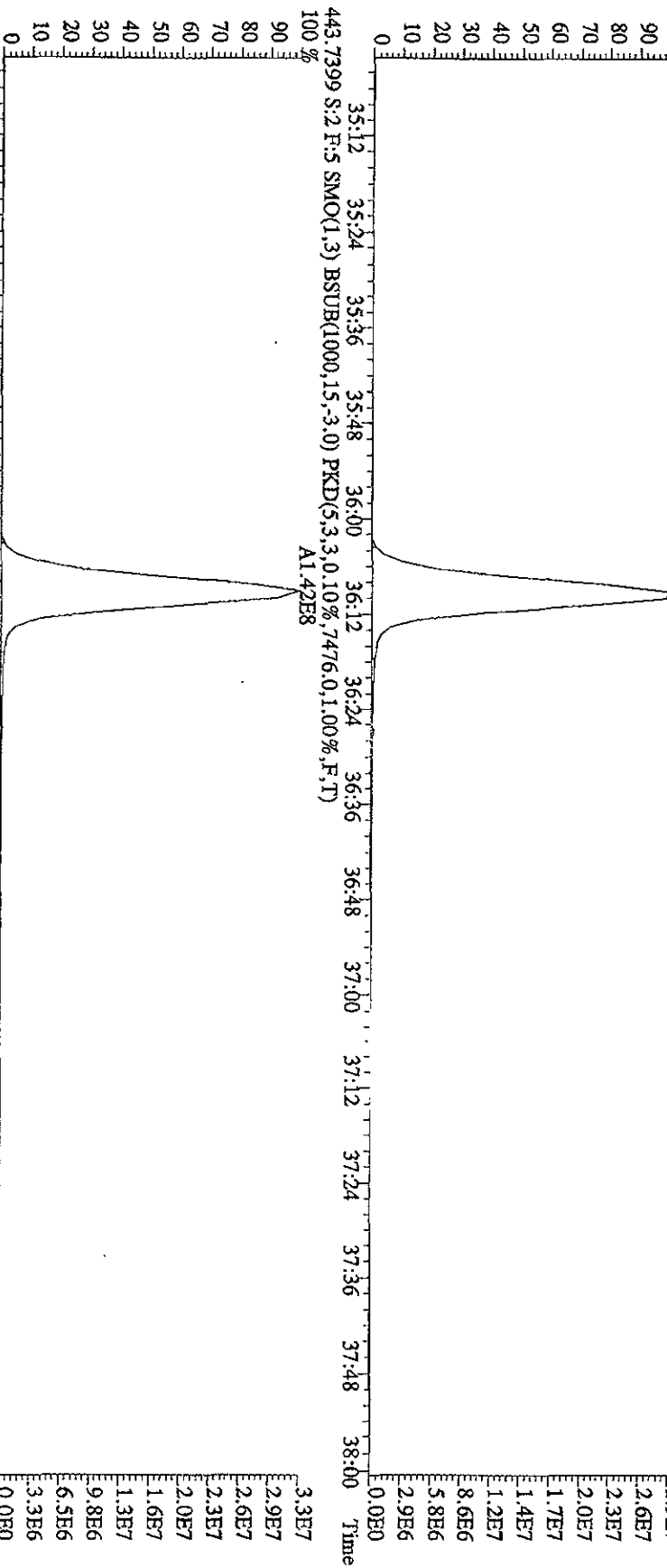
419.8220 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,37344,0.1,00%,F,T)
 100%



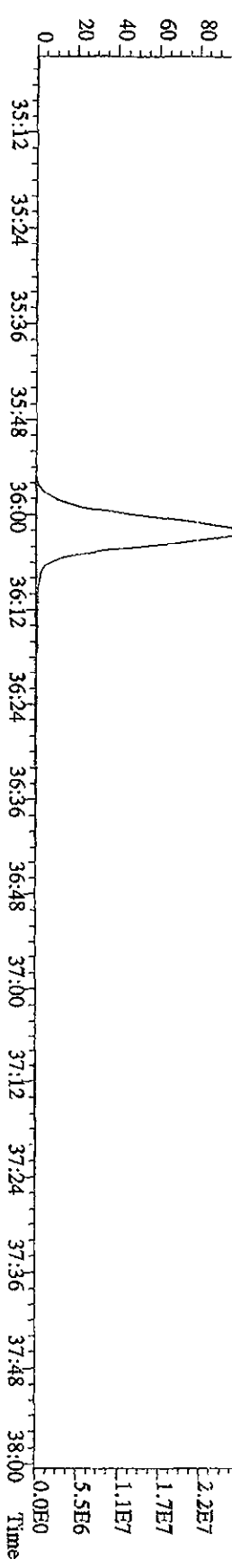
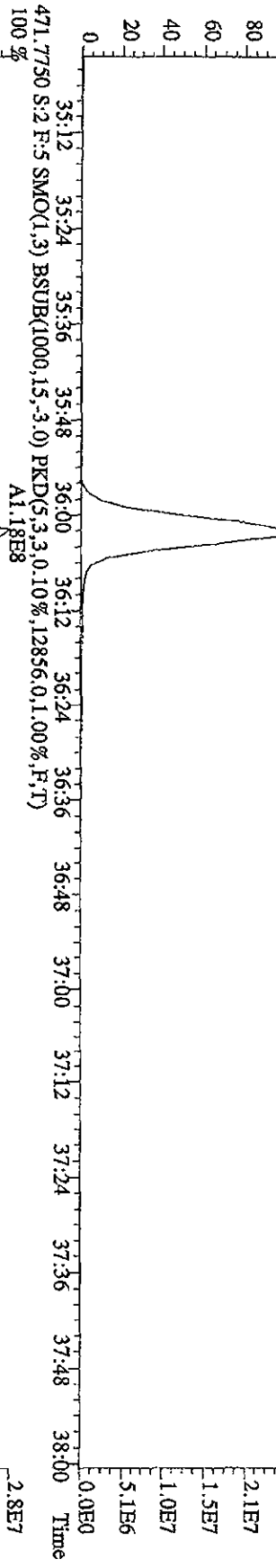
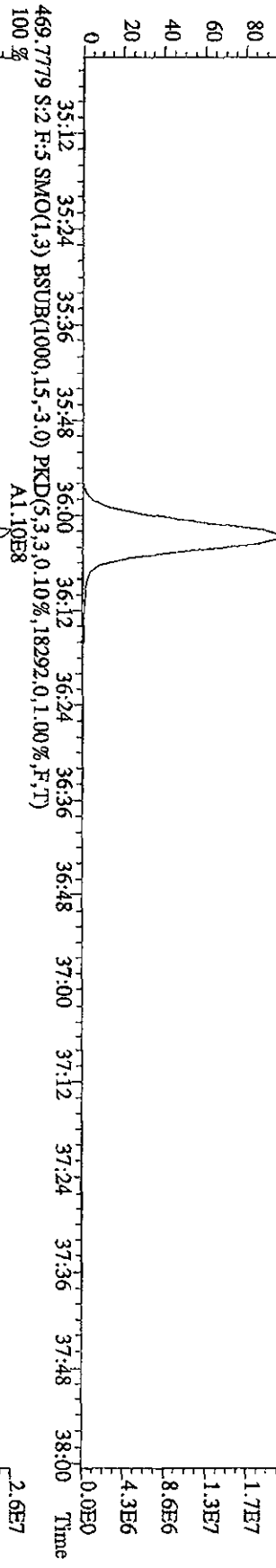
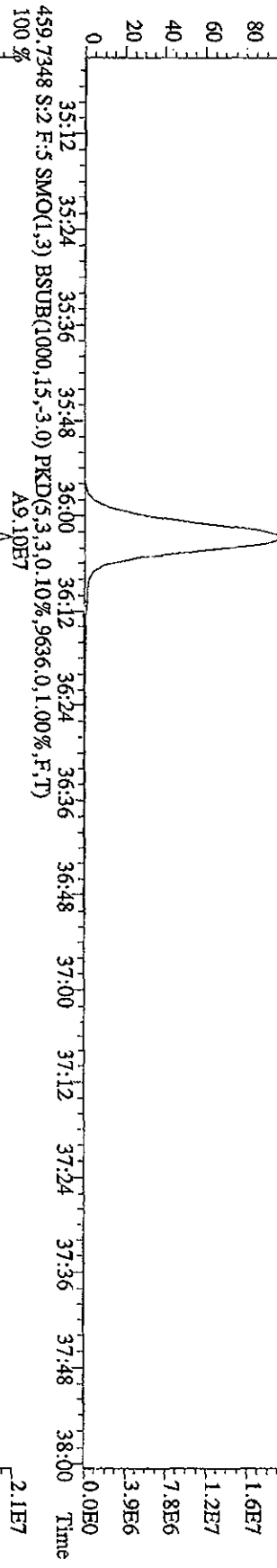
File: 14SEP101D5 #1-203 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST0914 :CS3 10DXN426 Exp: DIOXINRES
 423.7737 S:2 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11004,0.1,00%,F,T)
 100% A7.79E7



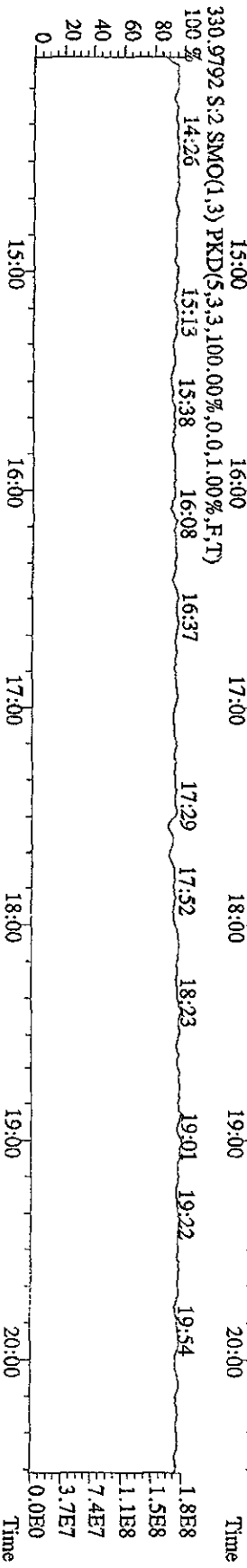
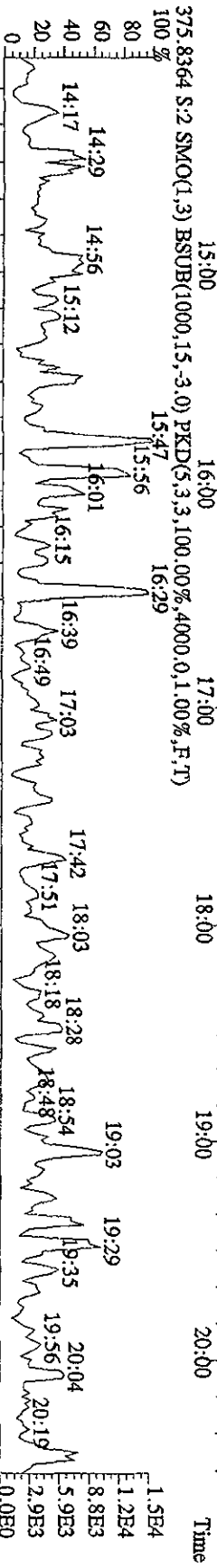
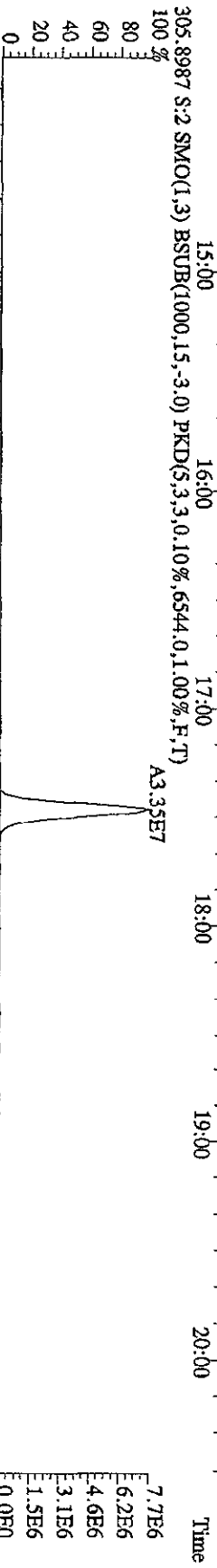
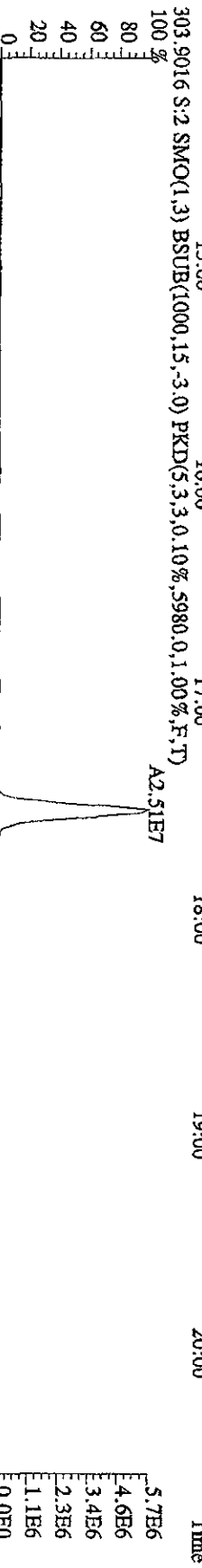
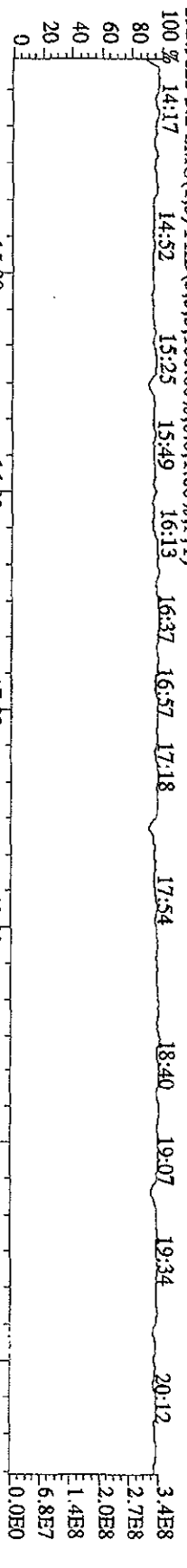
File: 14SEP101D5 #1-196 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage: 70SE
 Sample#2 Text: ST0914 : CS3 10DXN426 Exp: DIOXINRES
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7112.0,1.00%,F,T)
 100% A1.27E8



File: 14SEI01D5 #1-196 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST0914 :CS3 10DXN426 Exp: DIOXINRES
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6272.0,1.00%,F,T)
 100% A8.24E7

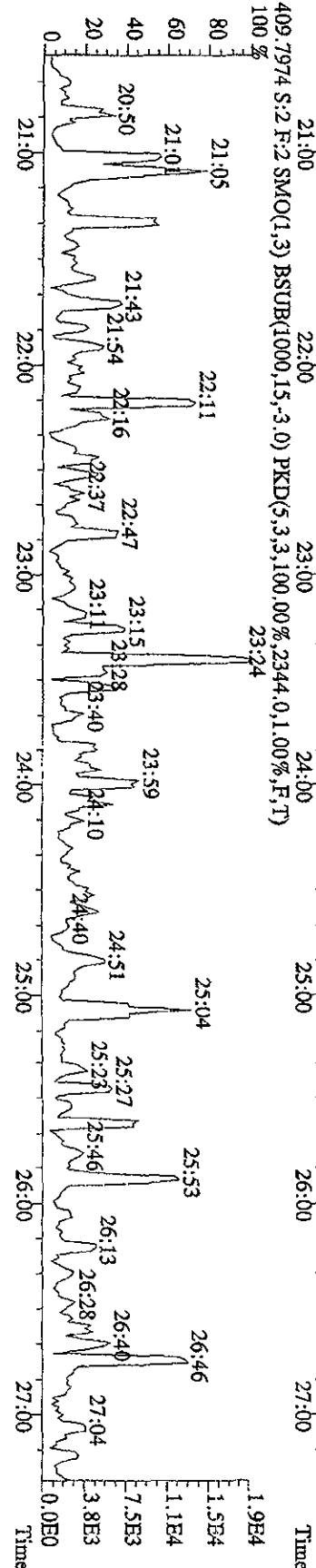
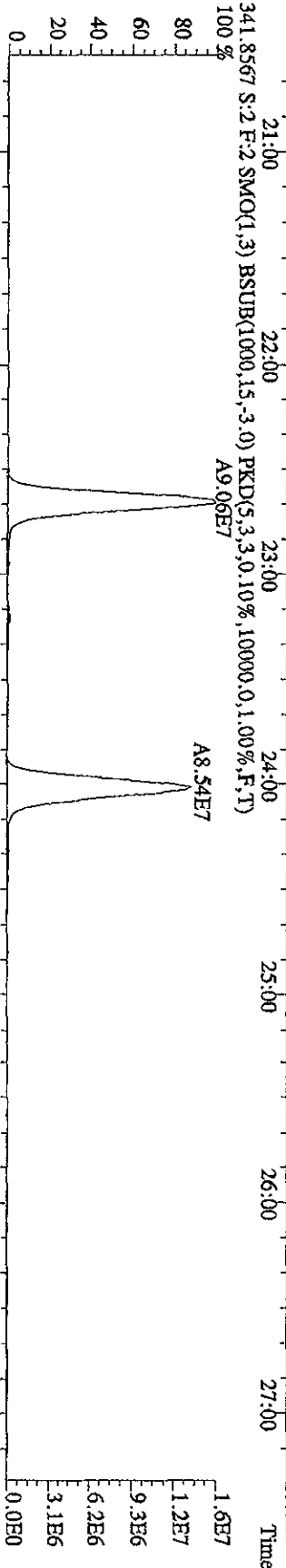
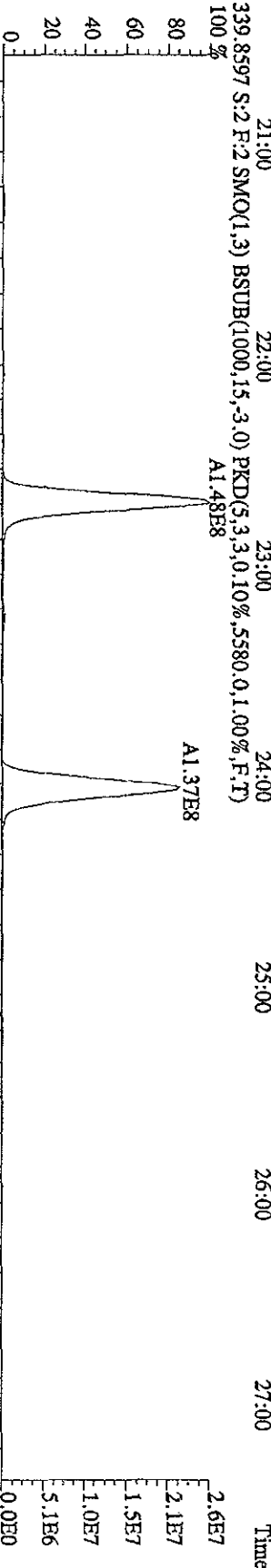
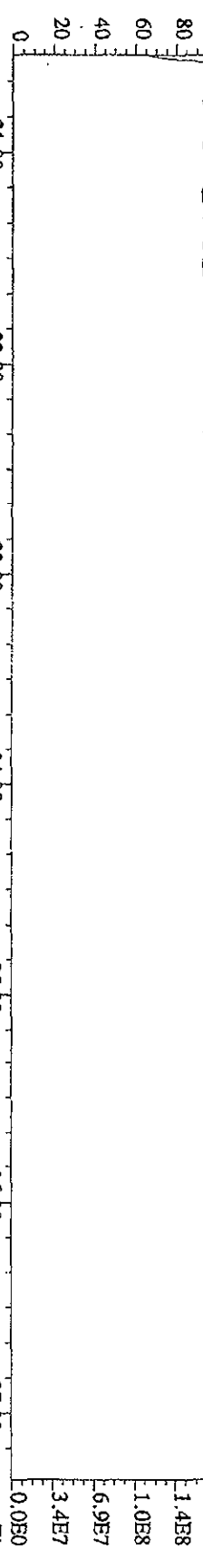


File: 14SE101D5 #1-382 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST0914 :CS3 10DXN426 Exp: DIOXINRES

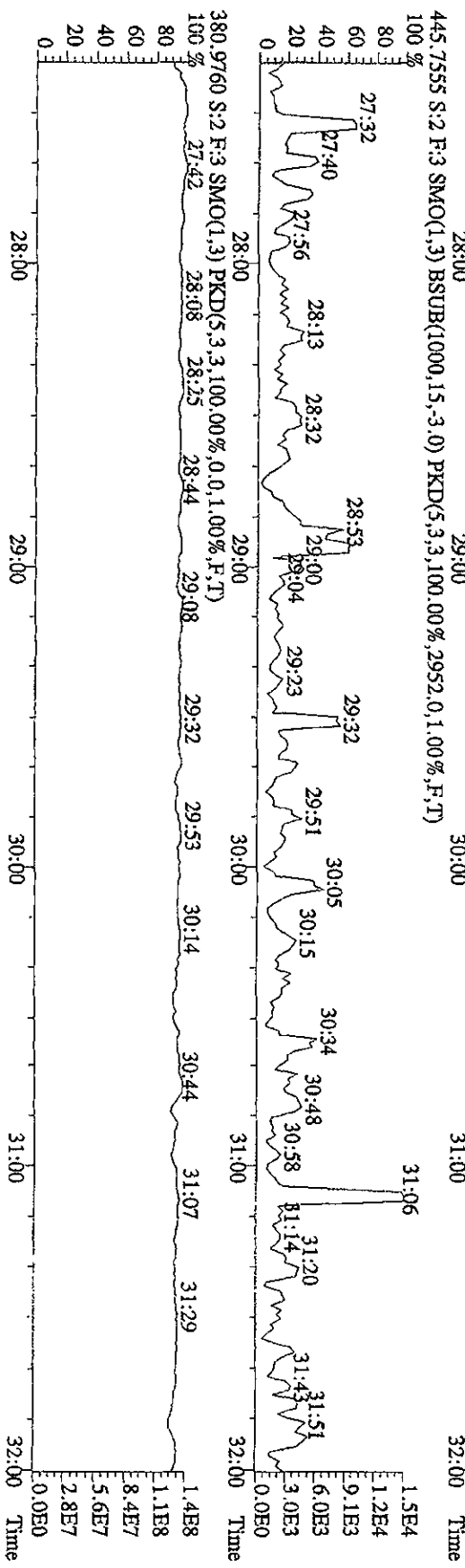
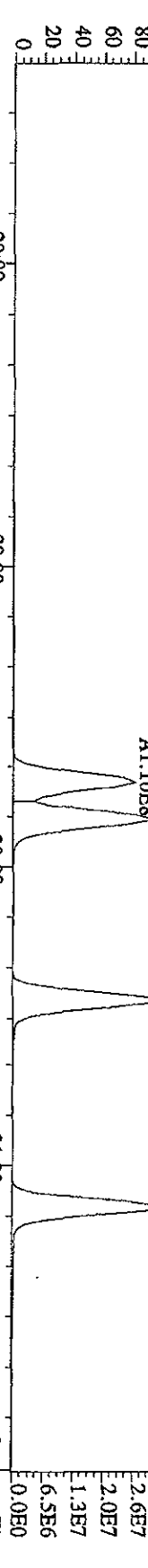
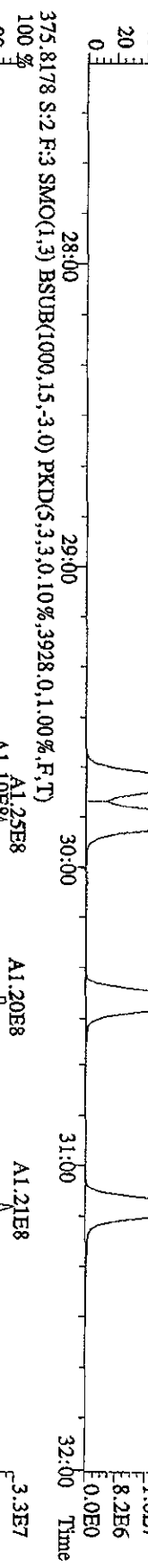
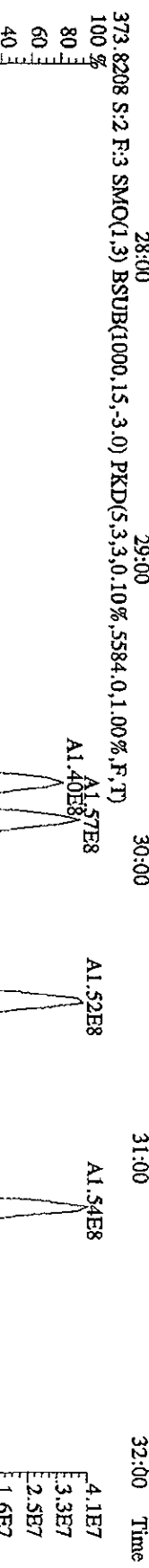


File: IASE101D5 #1.422 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE

Sample#2 Text: ST0914 : CS3 10DXN426 Exp: DIOXINRES
 342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)
 100% 21:02 21:25 21:53 22:35 23:09 23:40 24:02 24:23 25:02 25:34 26:00 26:43 27:07



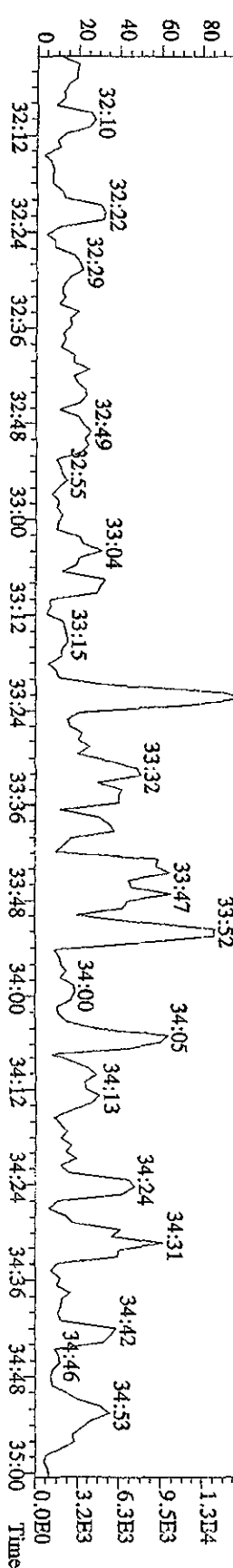
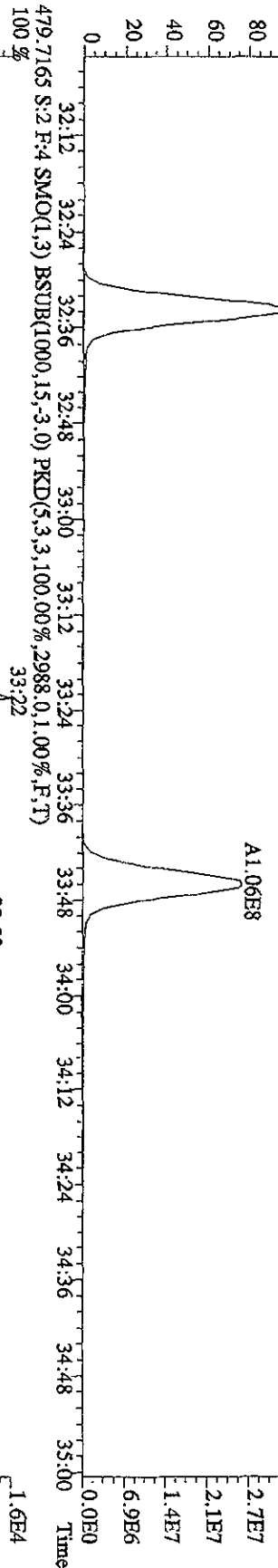
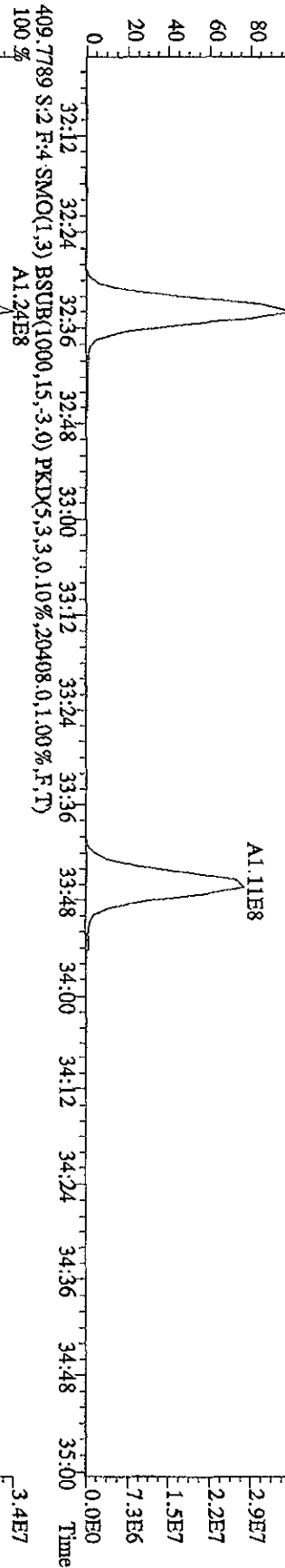
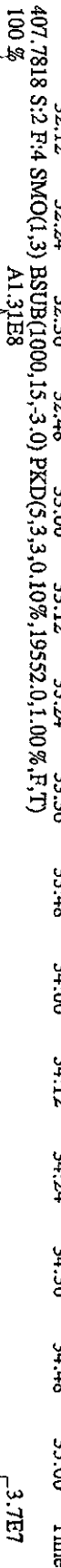
File: 14SEI01D5 #1-301 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage STR 70SE
 Sample#2 Text: ST0914 : CS3 10DXN426 Exp: DIOXINRES
 392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)
 100% 27:35 27:52 28:12 28:41 29:27 29:58 30:21 30:39 31:36 31:53



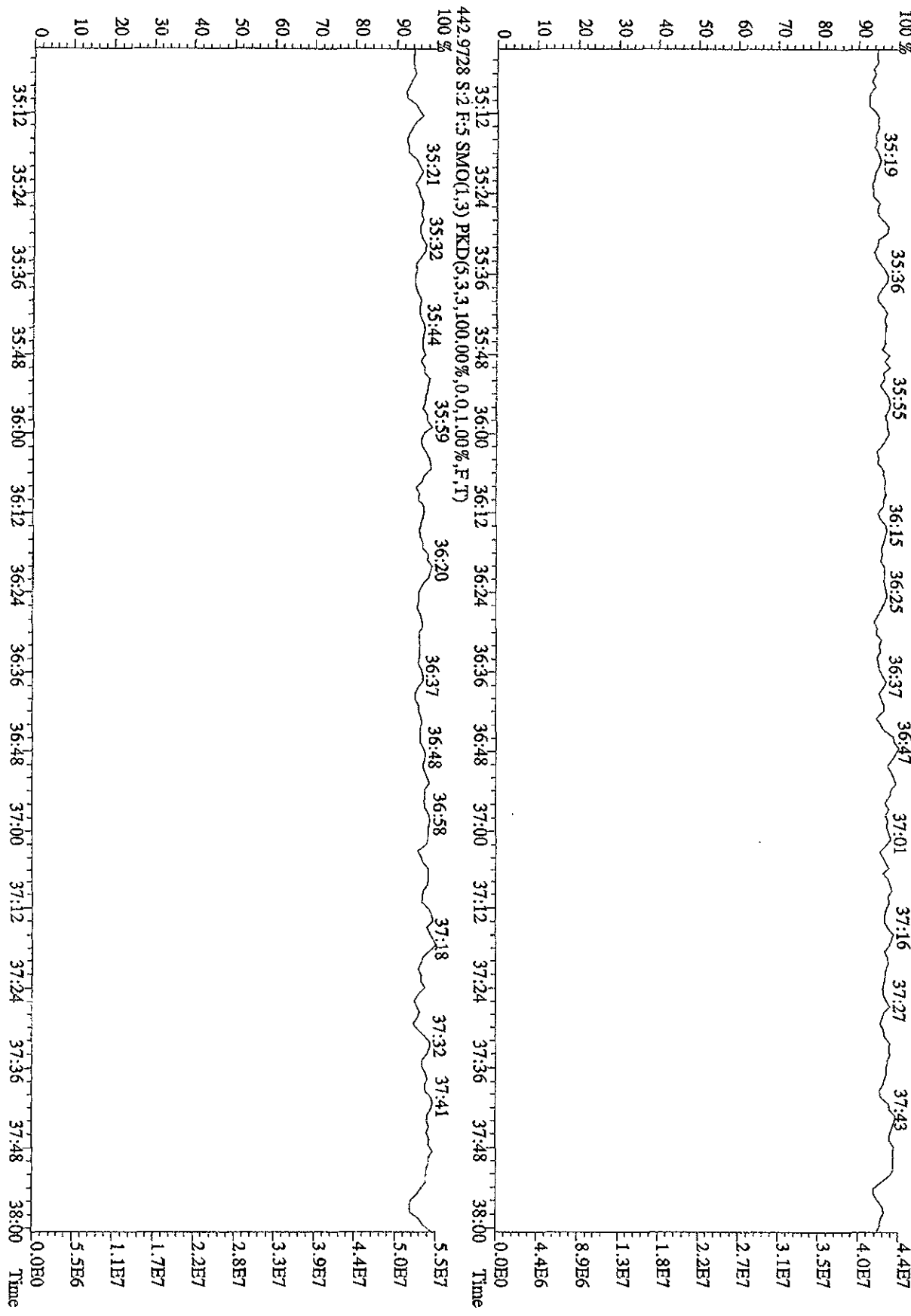
File: 14SE101D5 #1-203 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE

Sample#2 Text: ST0914 : CS3 10DDXN426 Exp: DIOXNRES

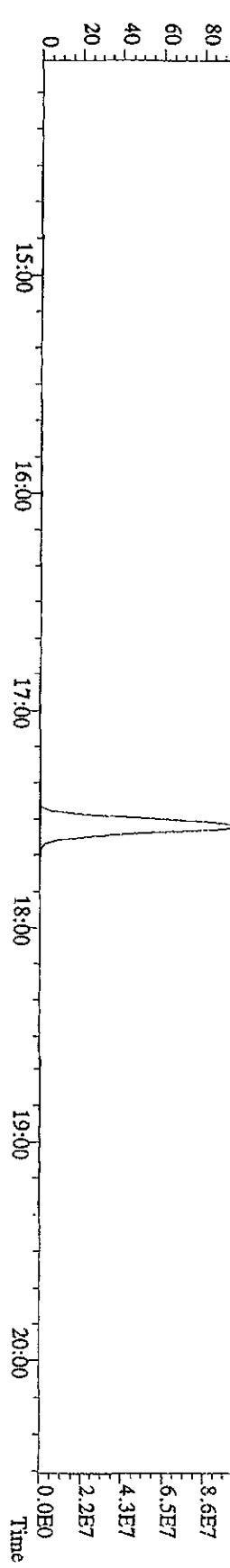
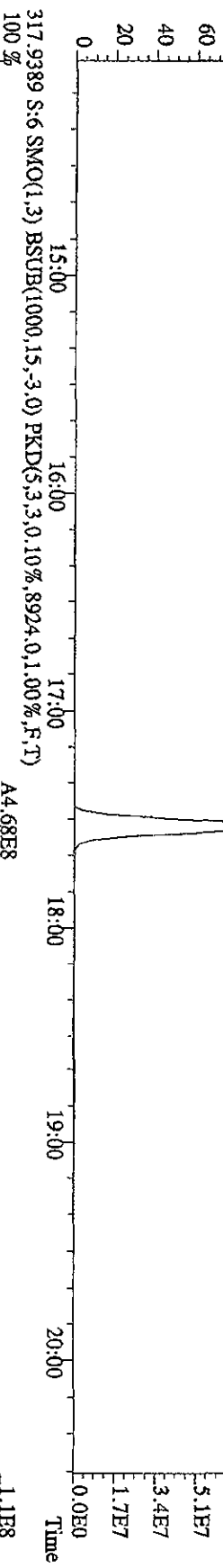
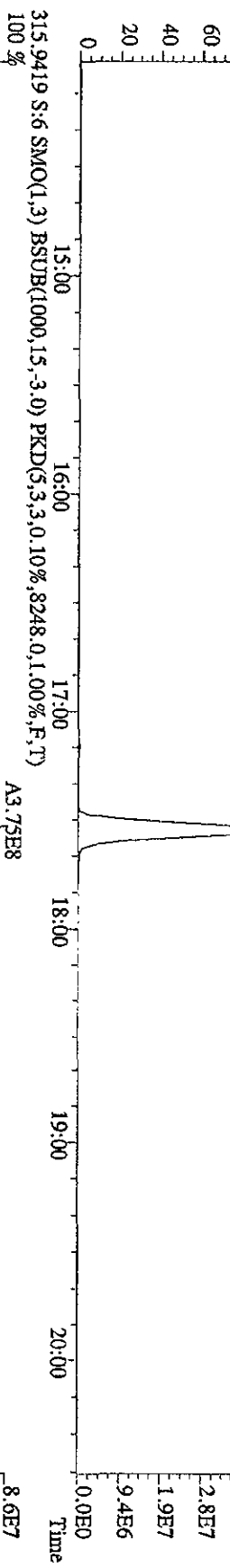
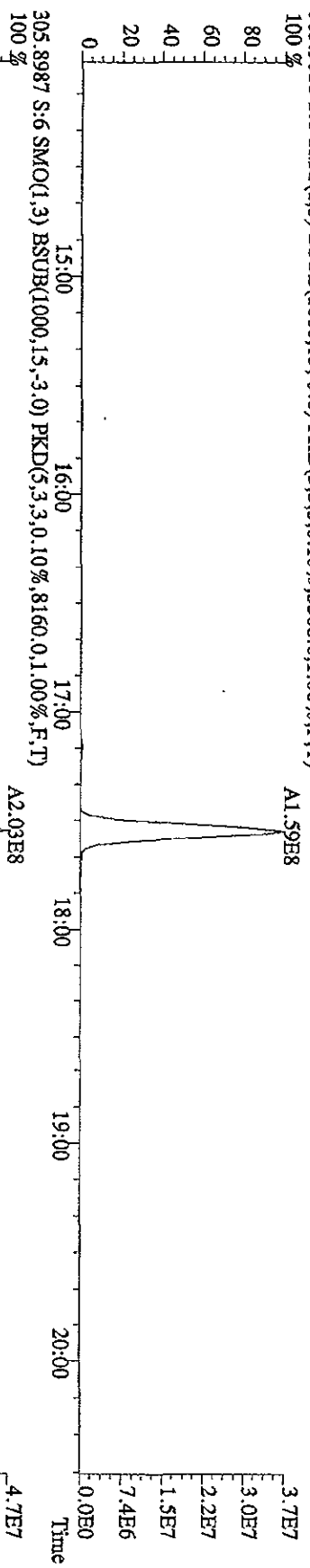
430.9728 S:2 F:4 SMO(1.3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)



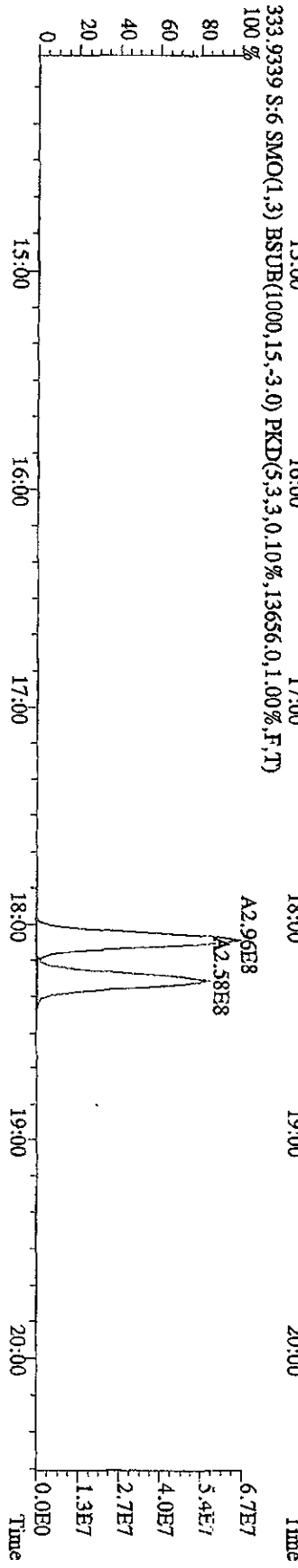
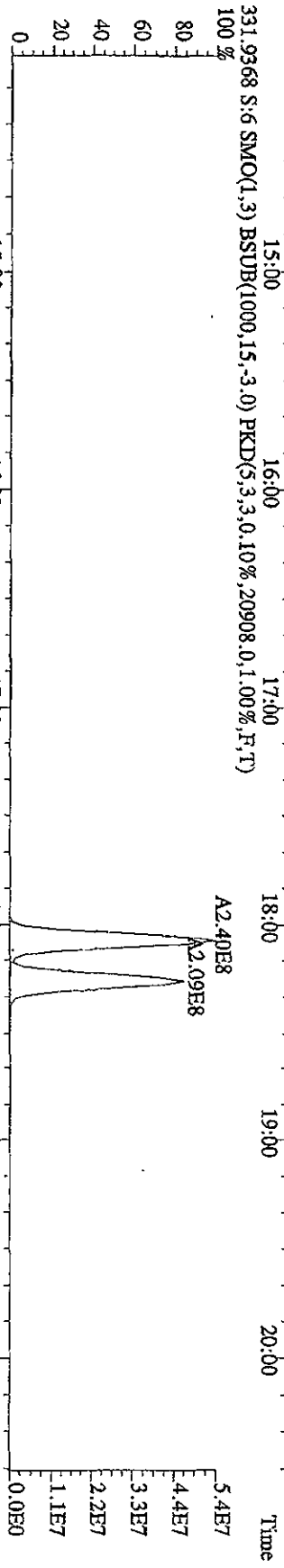
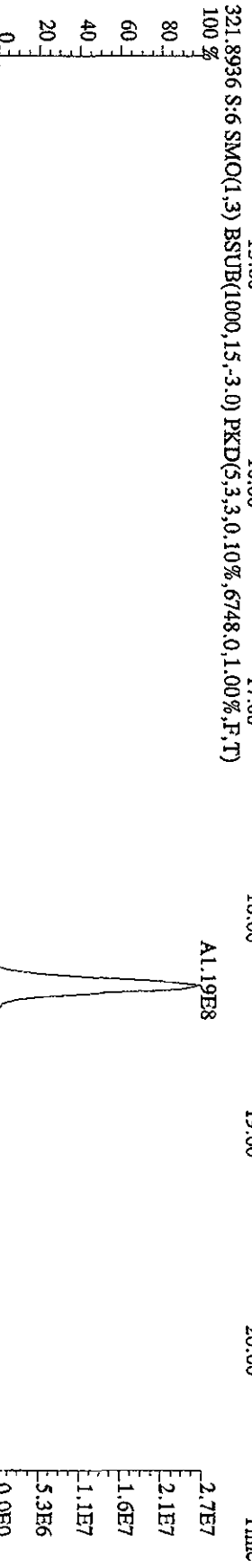
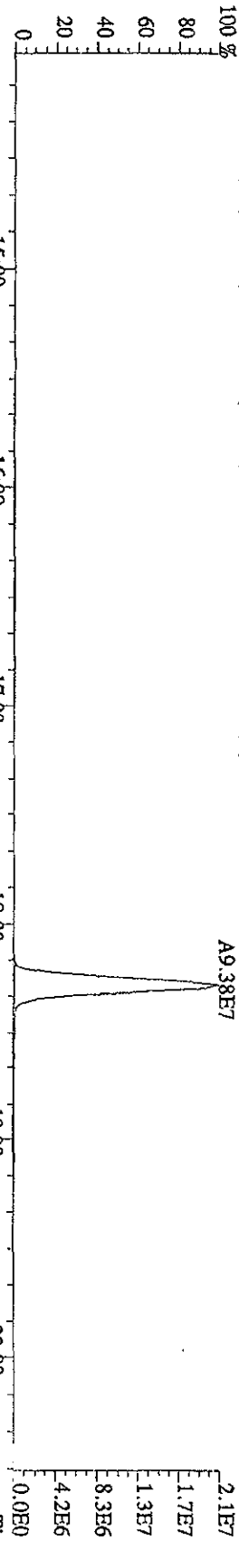
File: I4SE101D5 #1-196 Acq: 14-SEP-2010 11:17:57 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST0914 : CS3 10DDXN426 Exp: DIOXNRES
 454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



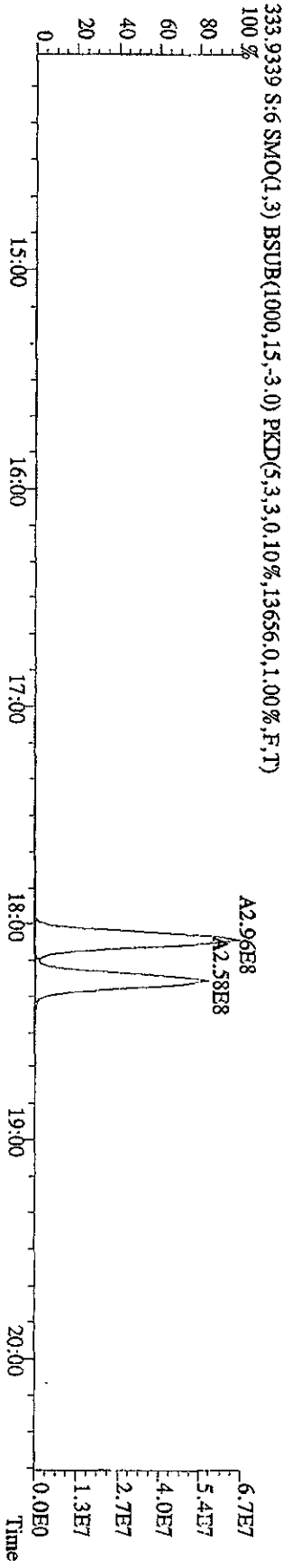
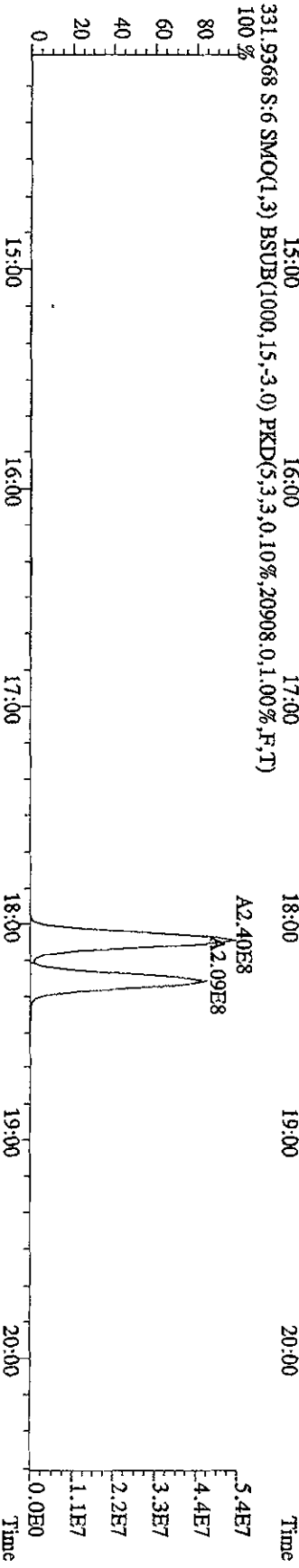
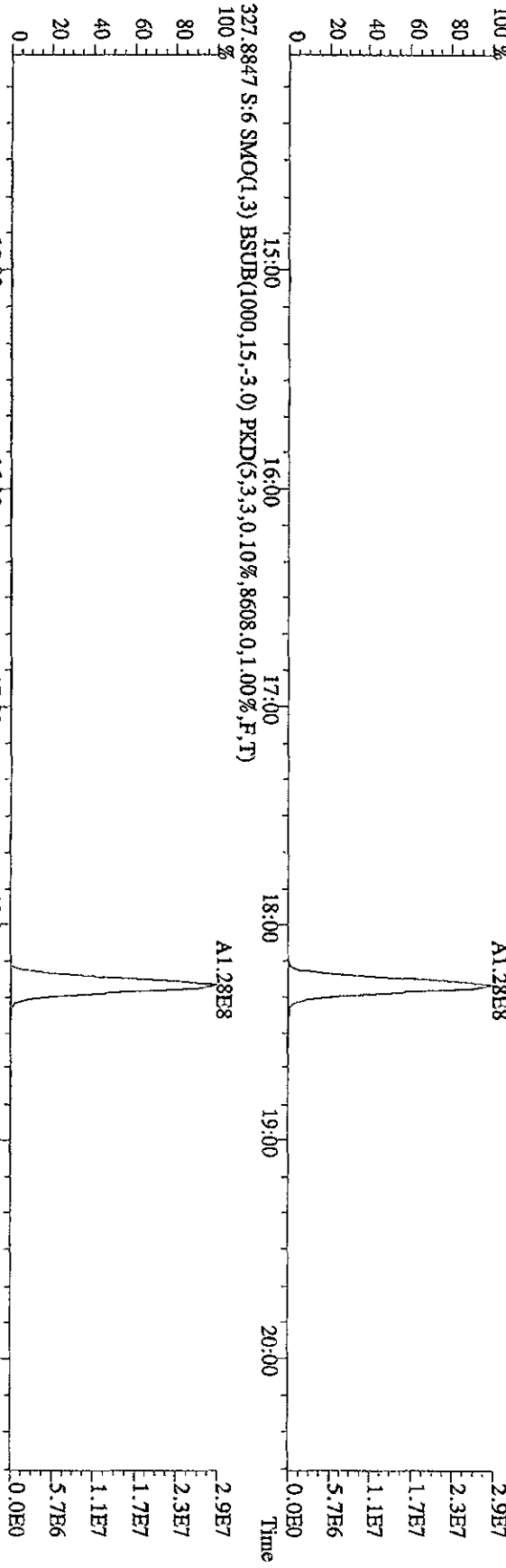
File:14SEI01D5 #1-382 Acq:14-SEP-2010 14:11:20 GC EI + Voltage SIR 70SE
 Sample#6 Text:ST0914D .CS4 10DXN337 Exp:DIOXINRES
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5308,0,1.00%,F,T)
 100%



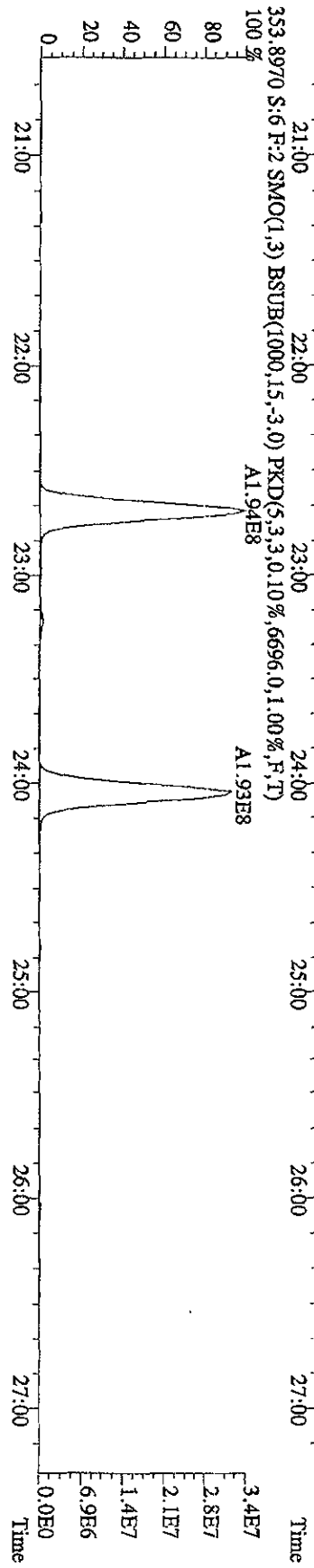
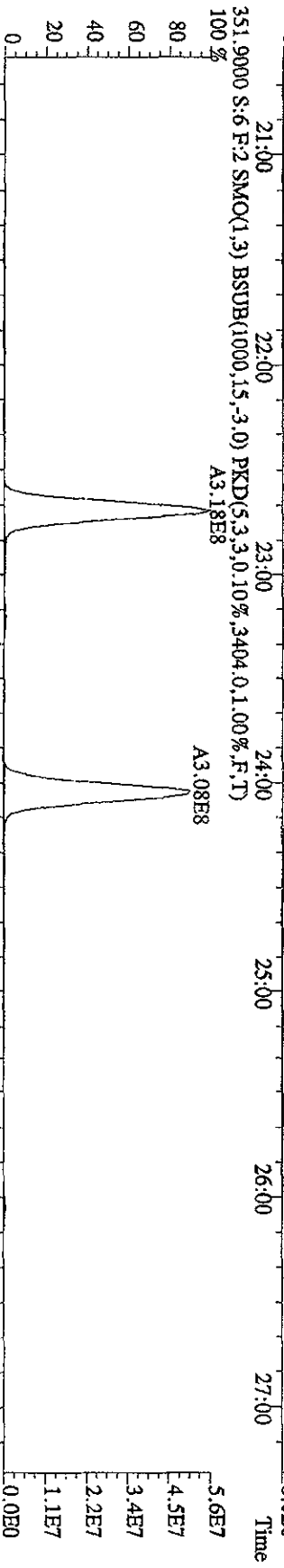
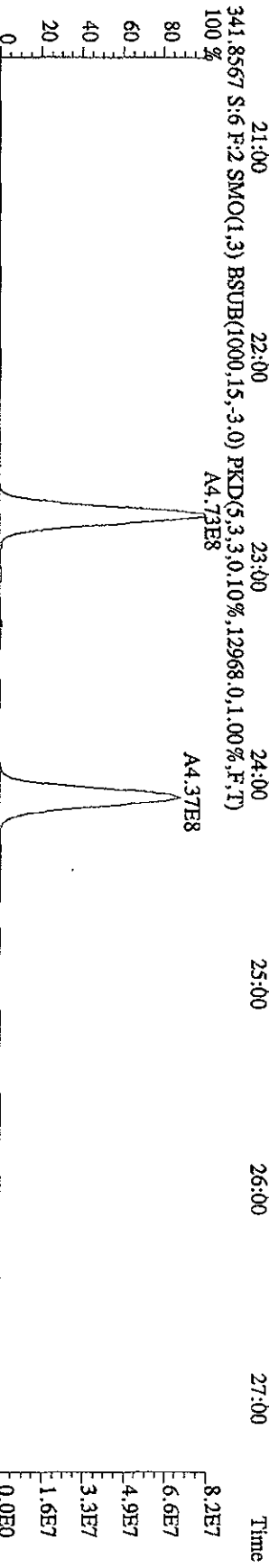
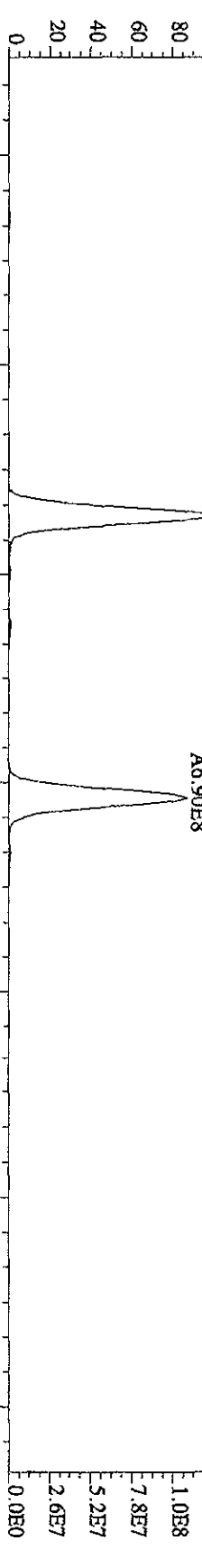
File: 14SEP101D5 #1-382 Acq: 14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST0914D :CS4 10DXN337 Exp: DIOXINRES
 319,8965 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7144,0,1,00%,F,T)
 100%



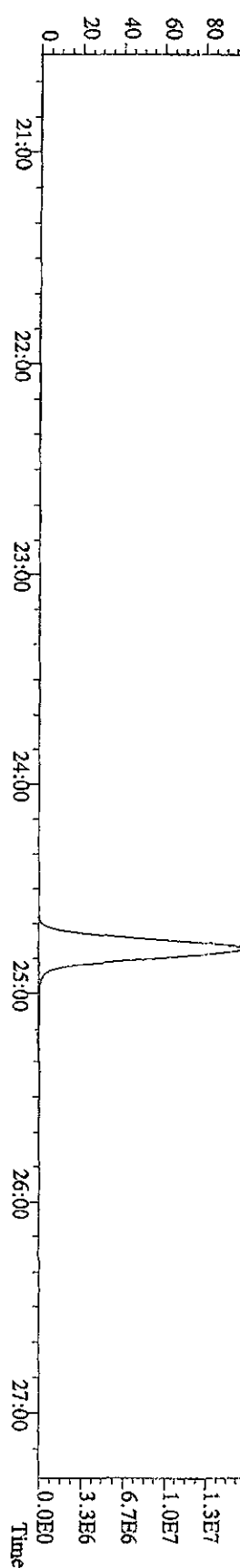
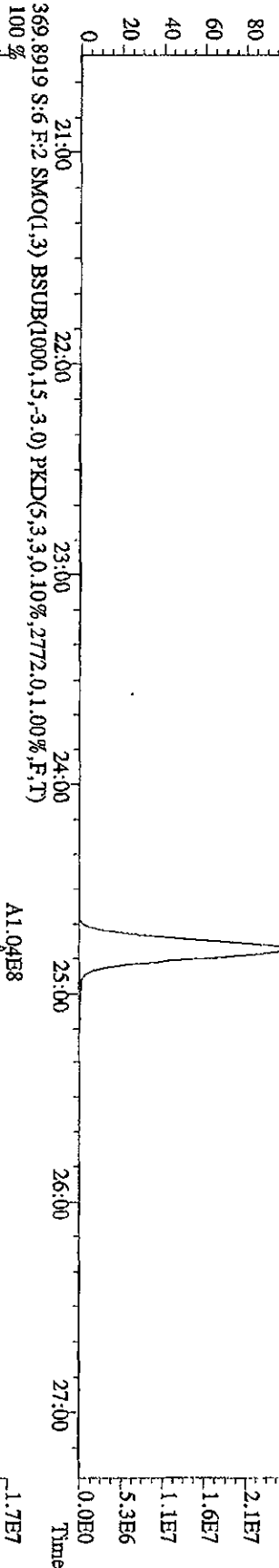
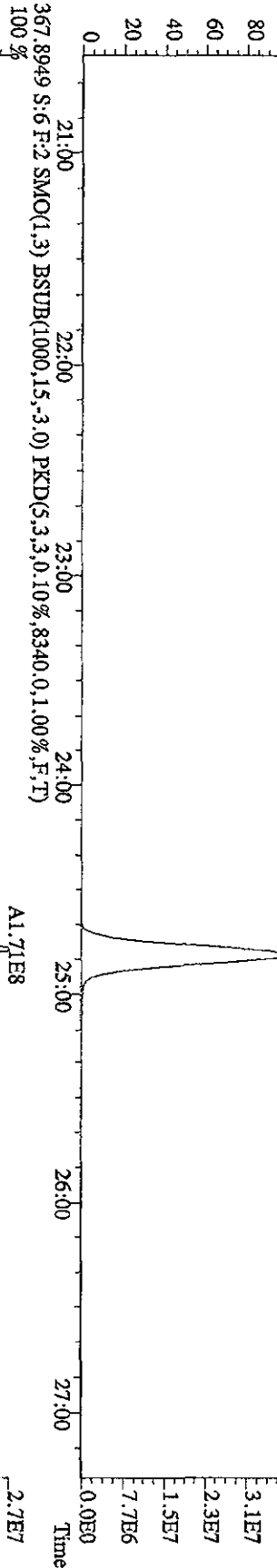
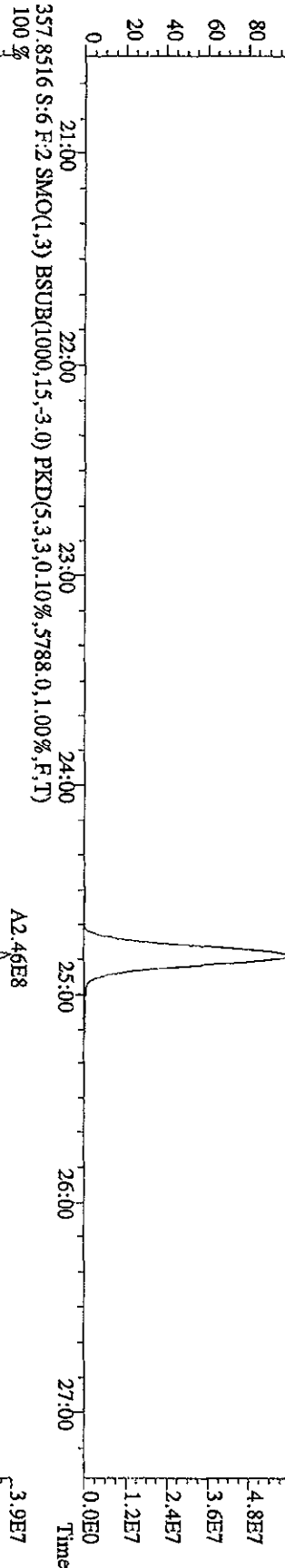
File: 14SEP101D5 #1-382 Acq: 14-SEP-2010 14:11:20 GC EI+ Voltage SFR 70SE
 Sample#6 Text: S10914D :CS4 10DXN337 Exp: DIOXINES
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8608,0,1.00%,F,T)



File: 14SE101D5 #1-422 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST0914D :CS4 10DXN337 Exp: DIOXNRES
 339.8597 S:6 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8920,0,1.00%,F,T)
 100% A7.46E8



File: 14SE101D5 #1-422 Acq: 14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST0914D :CS4 10DXN337 Exp: DIOXINRES
 355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7464,0,1,00%,F,T)
 100%

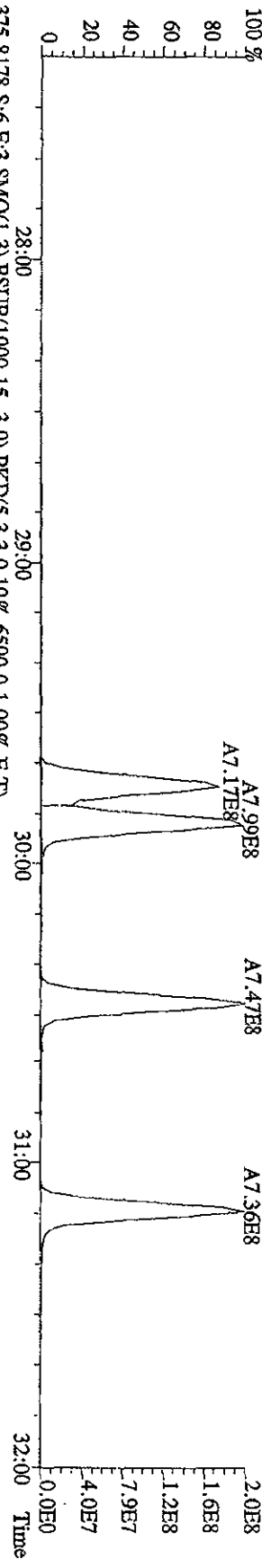


File:14SEP10\1D5 #1-301 Acq:14-SEP-2010 14:11:20 GC EF+ Voltage STR 70SE

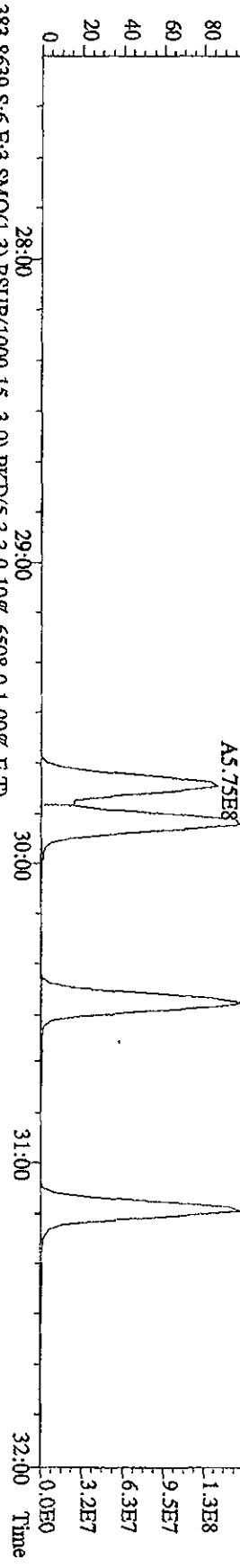
Sample#6 Text:ST0914D :CS4 10DXN337

Exp:DIOXINRES

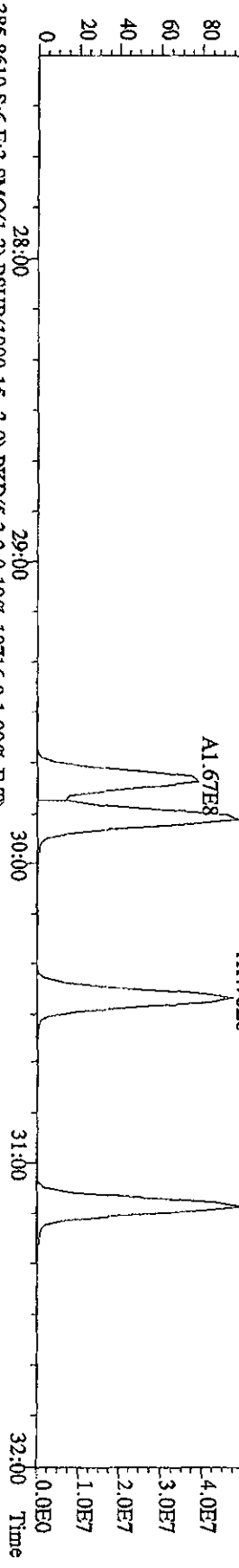
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5796,0.1,00%,F,T)



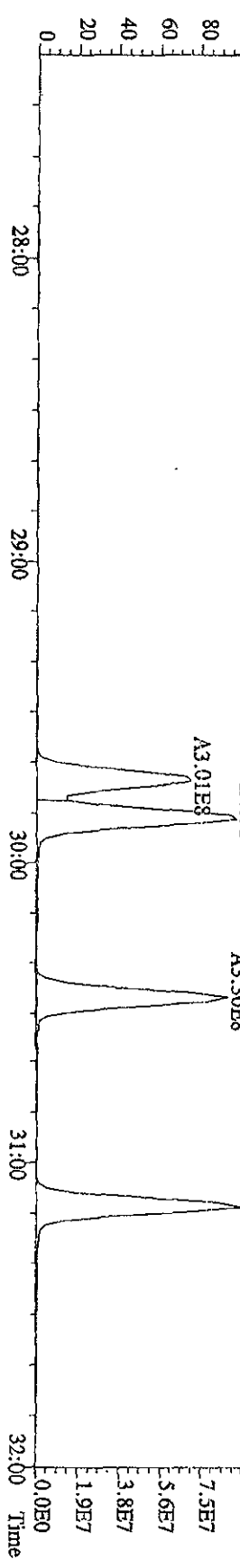
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6500,0.1,00%,F,T)



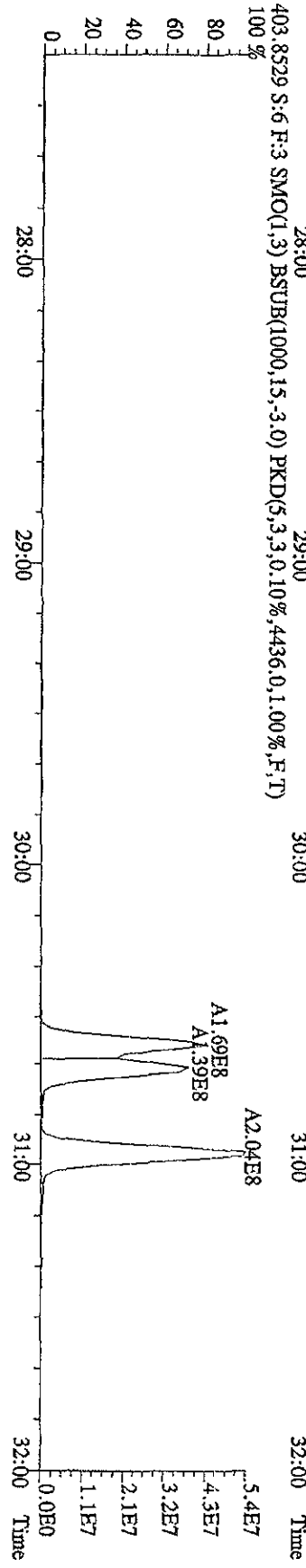
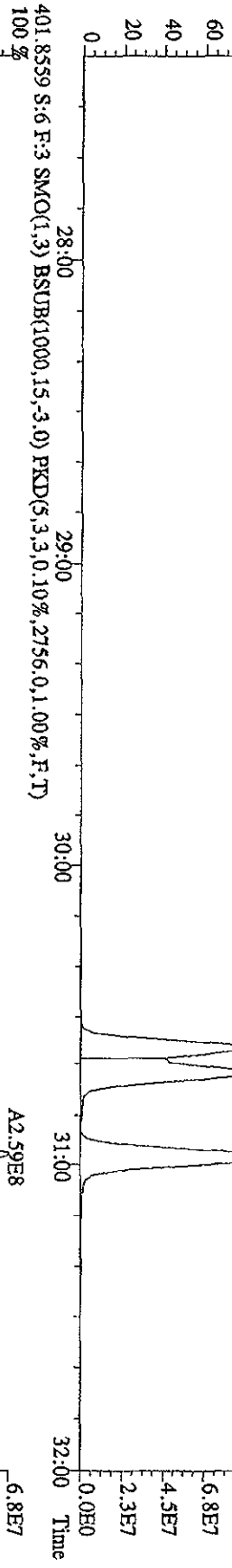
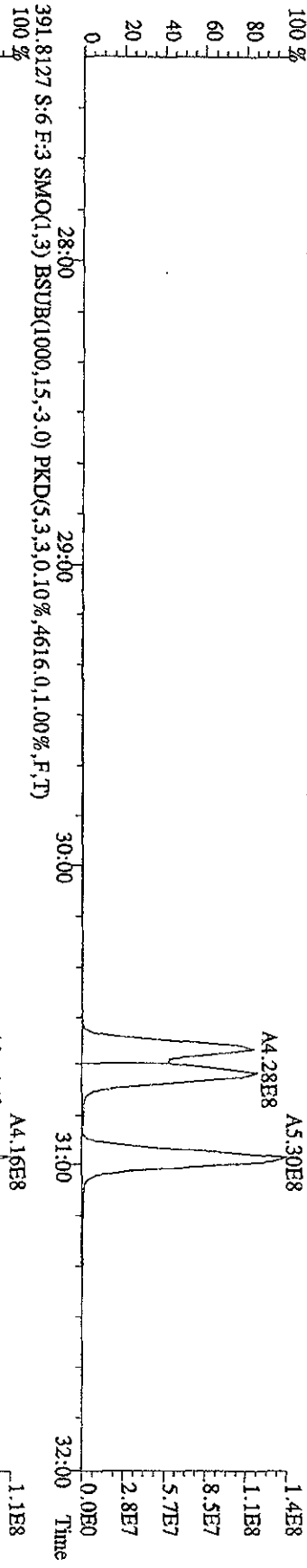
383.8639 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6508,0.1,00%,F,T)



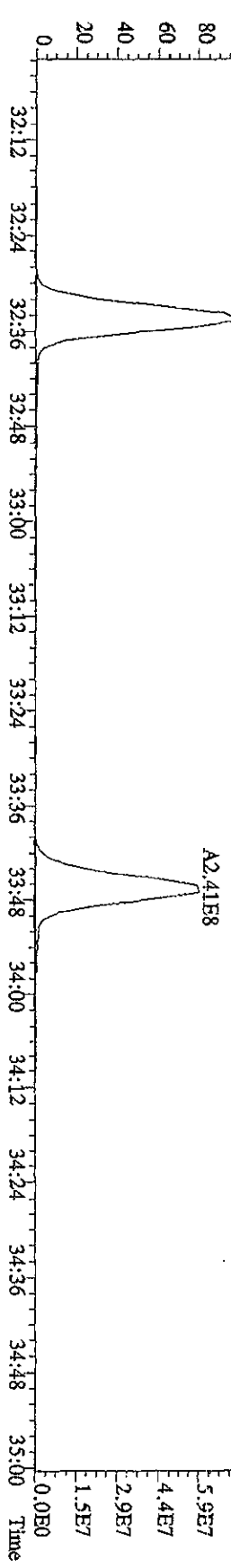
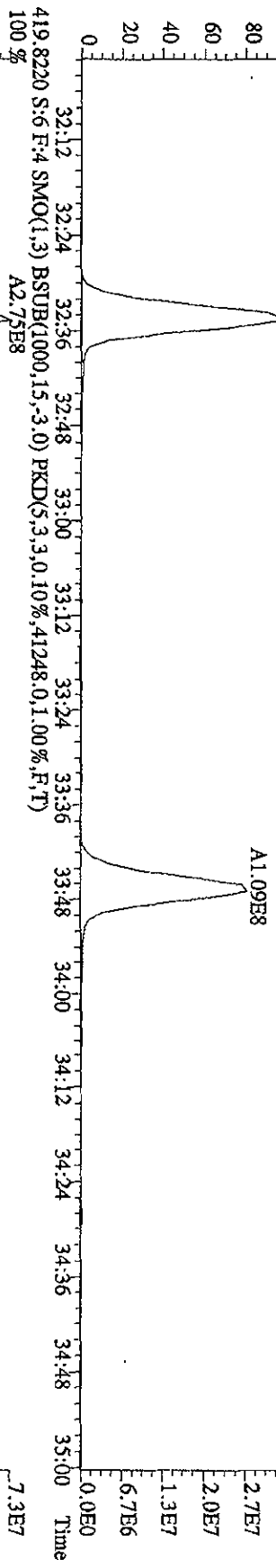
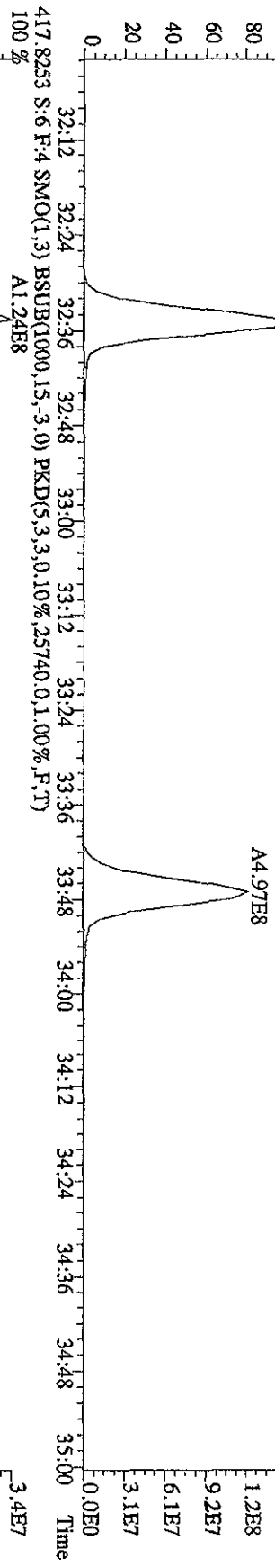
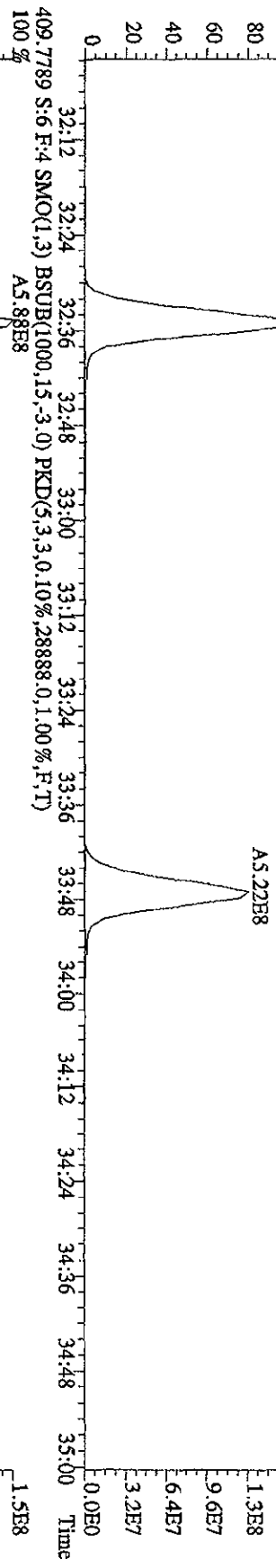
385.8610 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10716,0.1,00%,F,T)



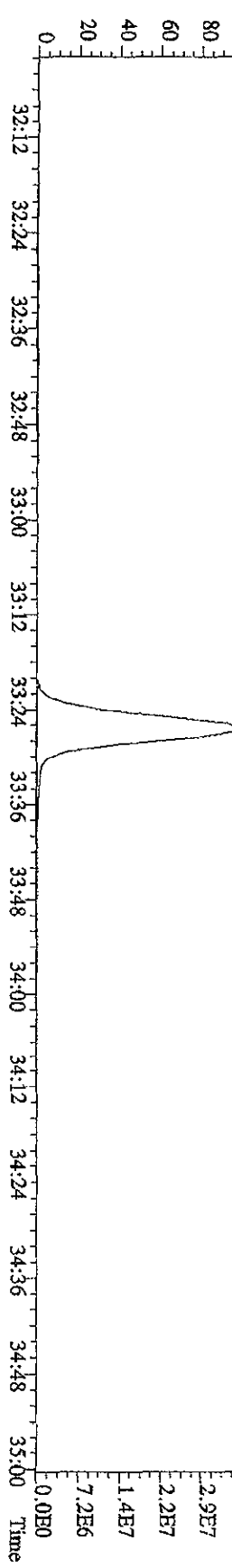
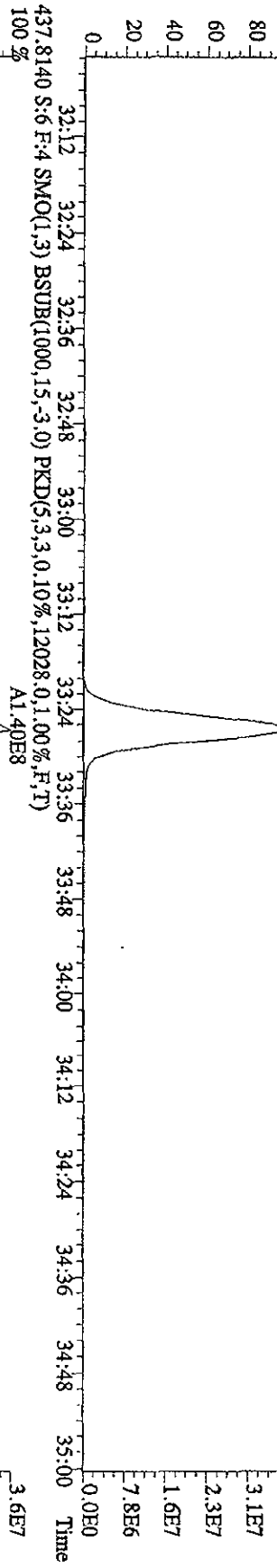
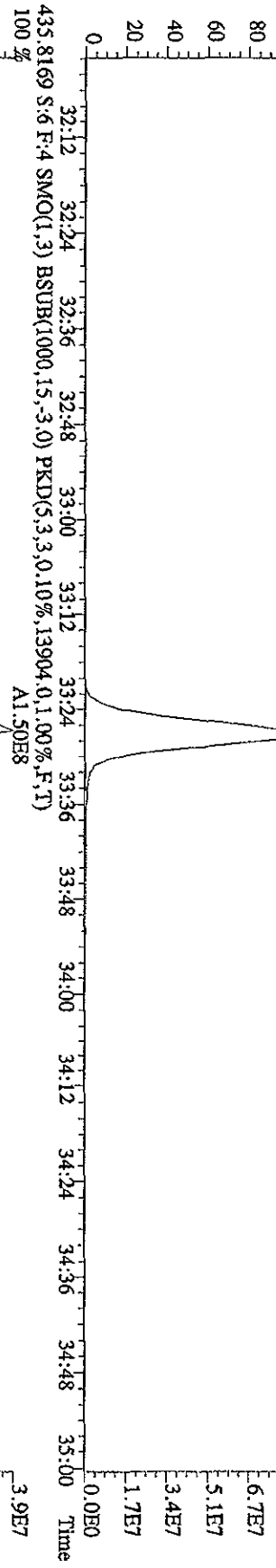
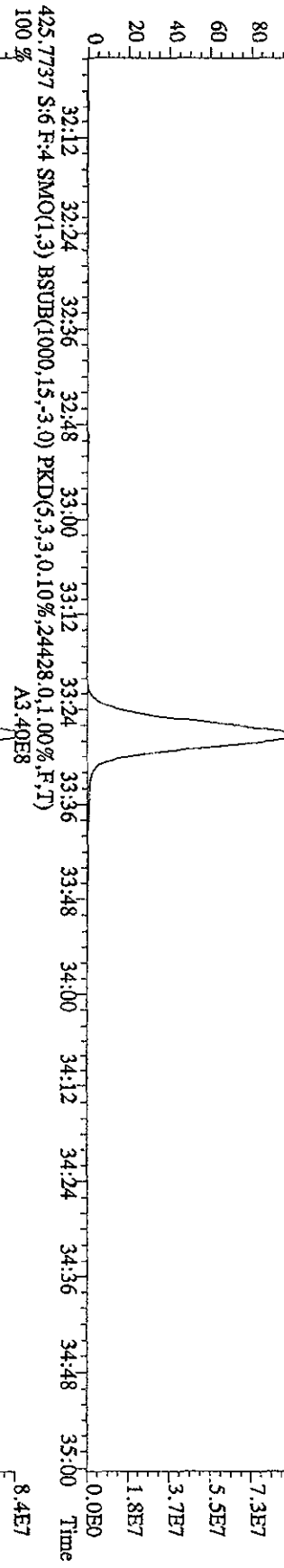
File: 14SEP101D5 #1-301 Acq:14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST0914D :CS410DXN337 Exp.:DIOXINRES
 389.8157 S:6 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1916.0,1.00%,F,T)
 100%



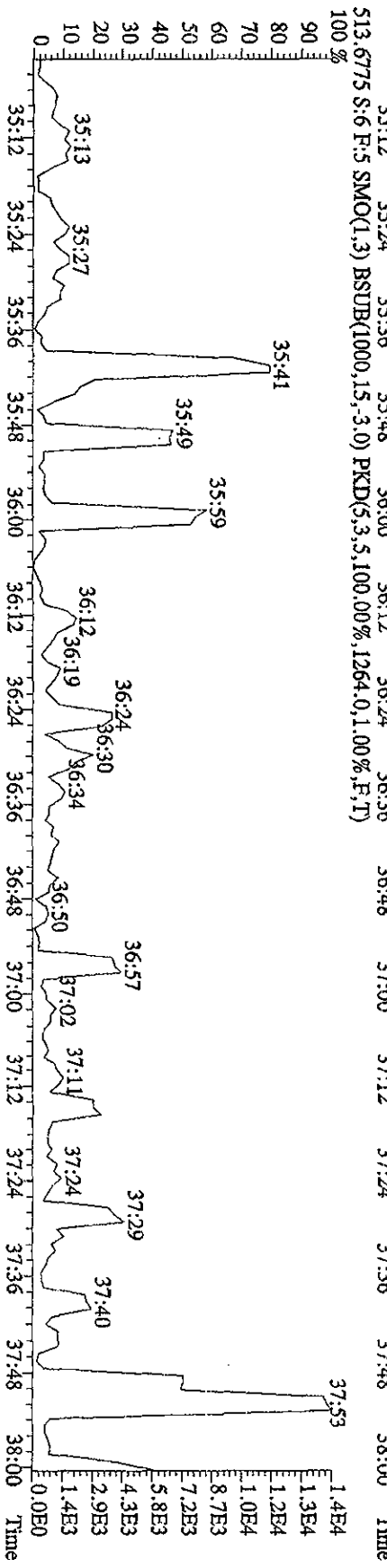
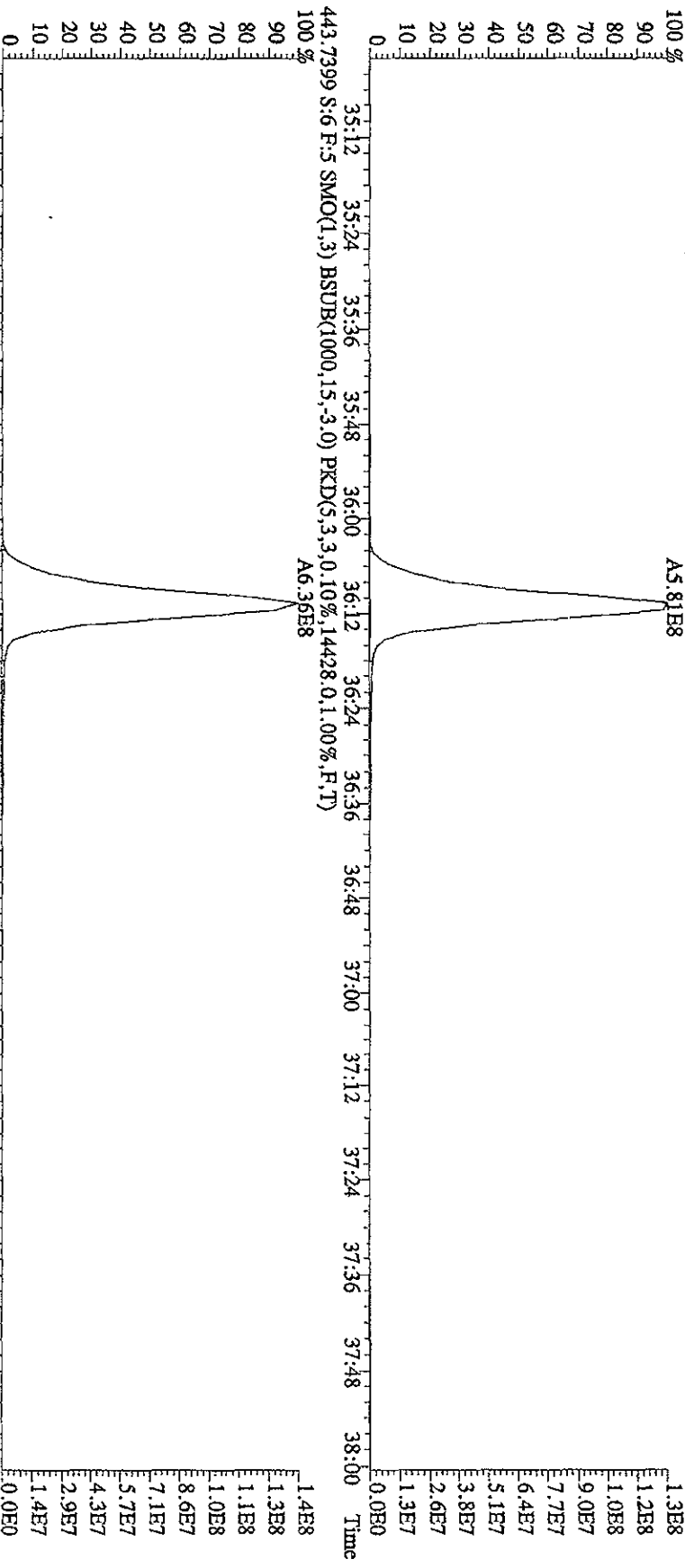
File: 14SEP101D5 #1-203 Acq: 14-SEP-2010 14:11:20 GC EI+ Voltage STR 70SE
 Sample#6 Text: ST0914D :CS4 10DXN337 Exp: DIOXINRES
 407.7818 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28324,0.1,00%,F,T)
 100%



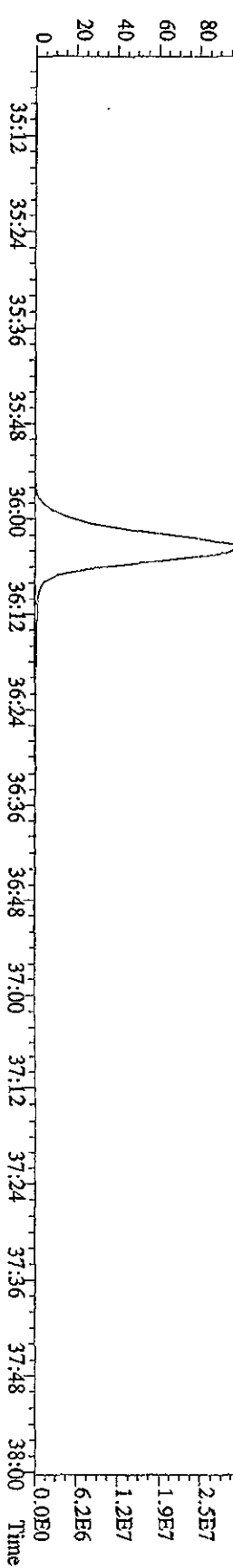
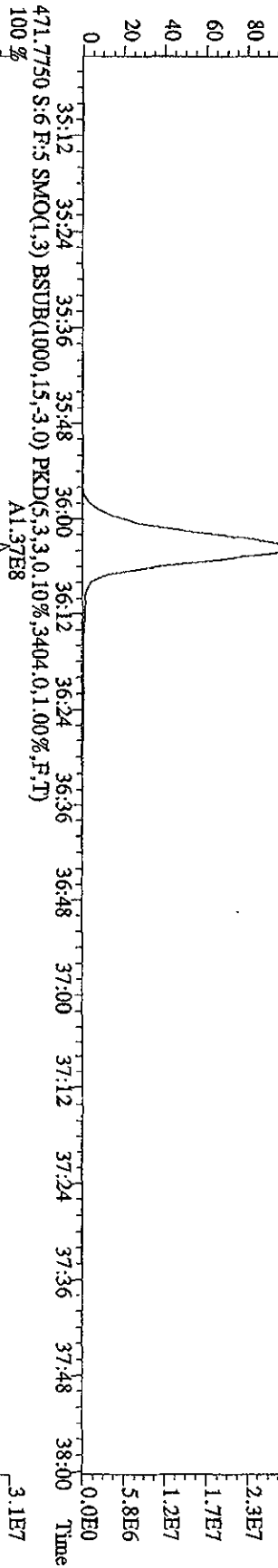
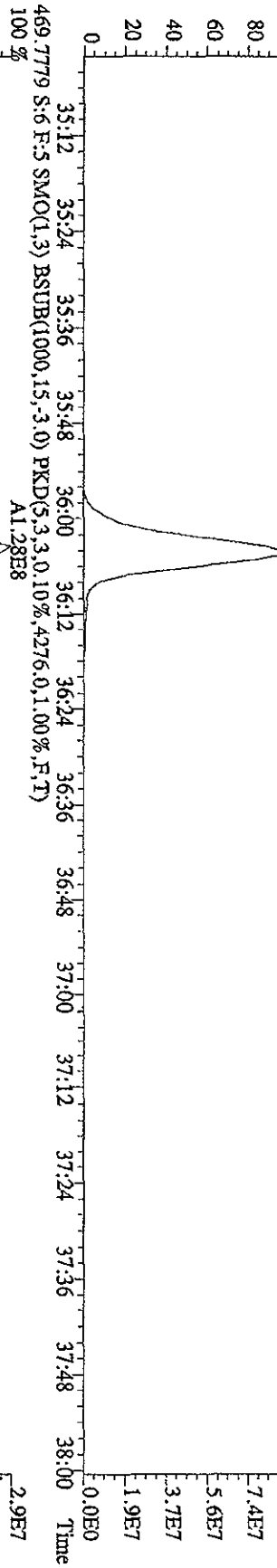
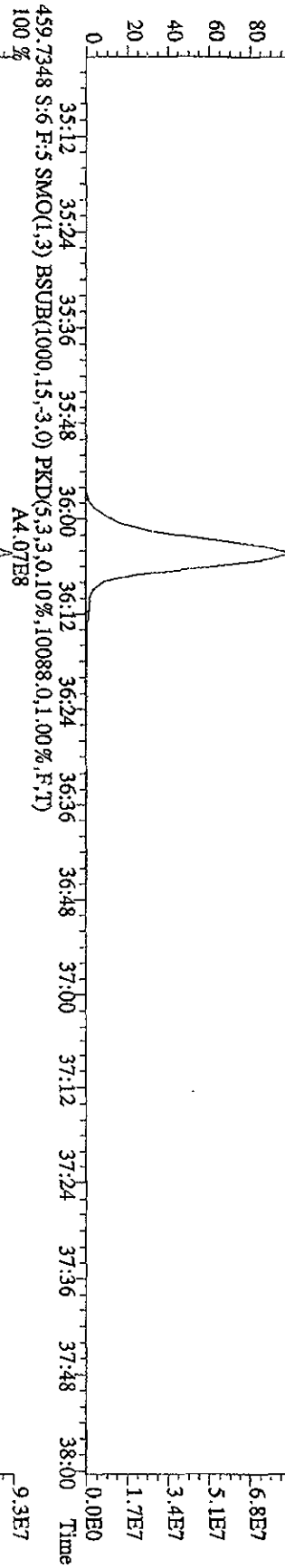
File: 14SEP101D5 #1-203 Acq: 14-SEP-2010 14:11:20 GC EI+ Voltage: 70SE
 Sample#6 Text: ST0914D :CS4 10DXN337 Exp.: DIOXINRES
 423.7766 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24088,0.1,00%,F,T)
 100% A3.61E8



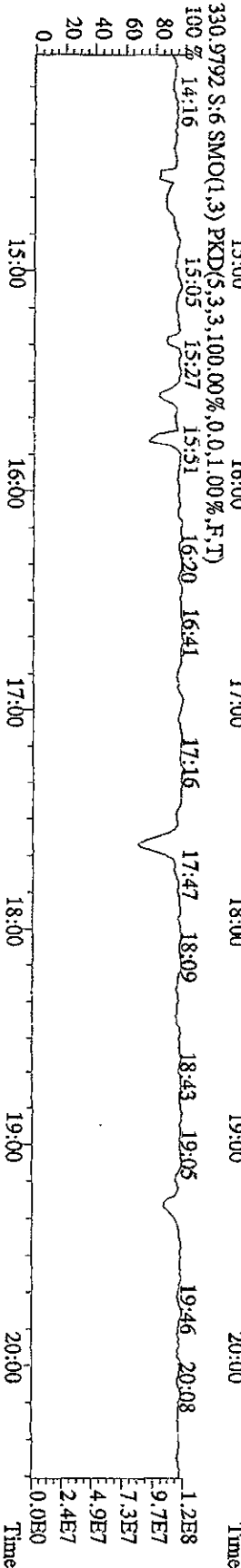
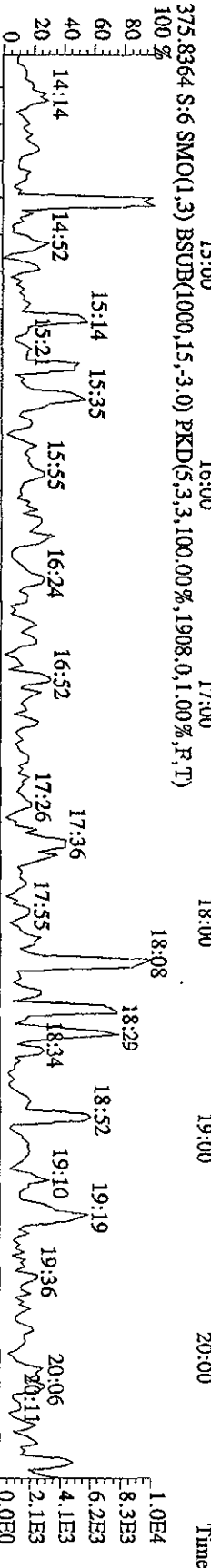
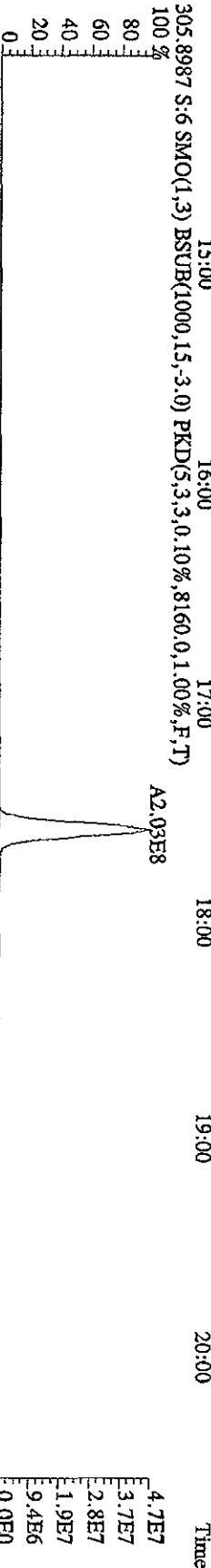
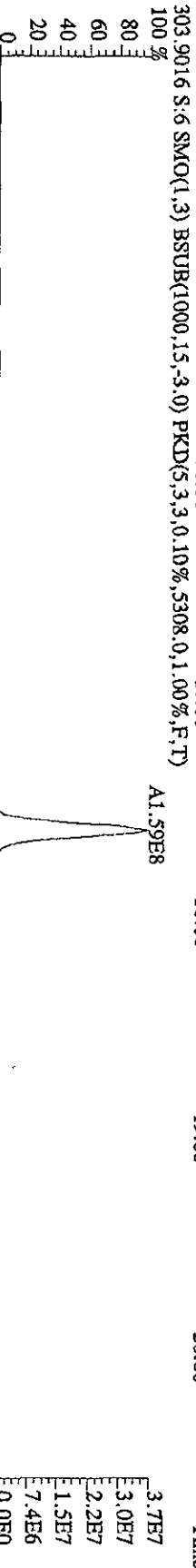
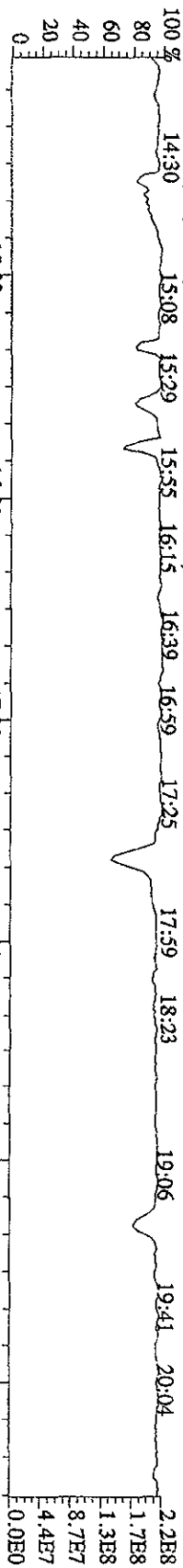
File: 14SEI01D5 #1-196 Acq: 14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST0914D :CS4 10DXN337 Exp: DIOXINRES
 441.7428 S:6 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9952,0,1.00%,F,T)
 100% A5.81E8



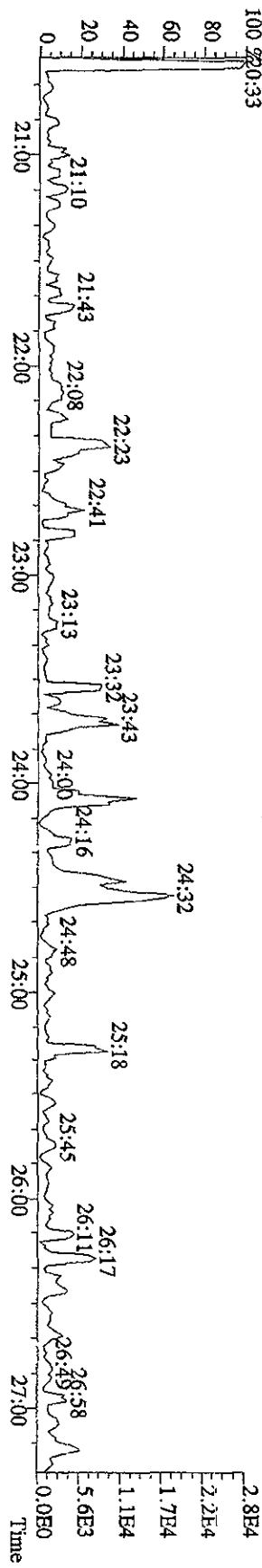
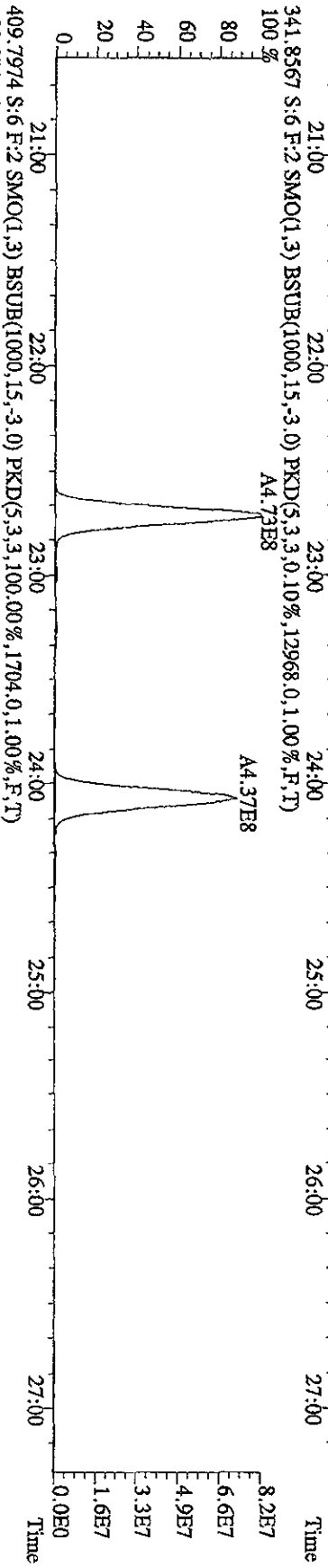
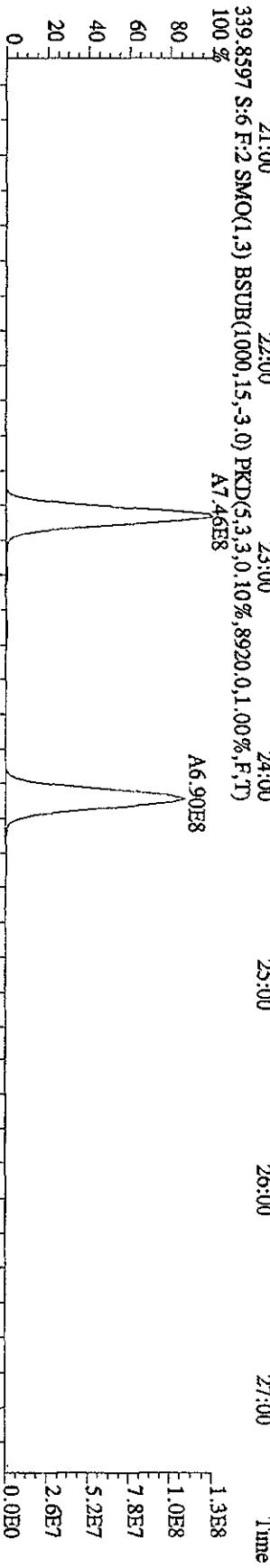
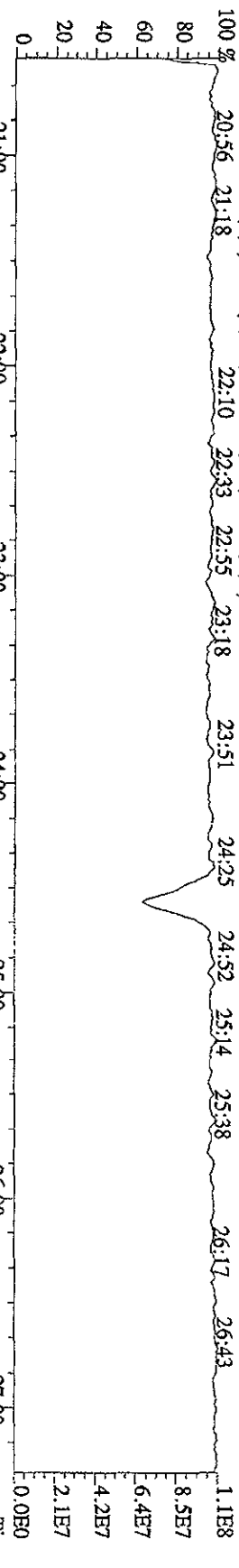
File: 14SEP10ID5 #1.196 Acq: 14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST0914D :CS4 10DXN337 Exp: DIOXINRES
 457.7377 S:6 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12488,0.1,00%,F,T)
 100% A3.72E8



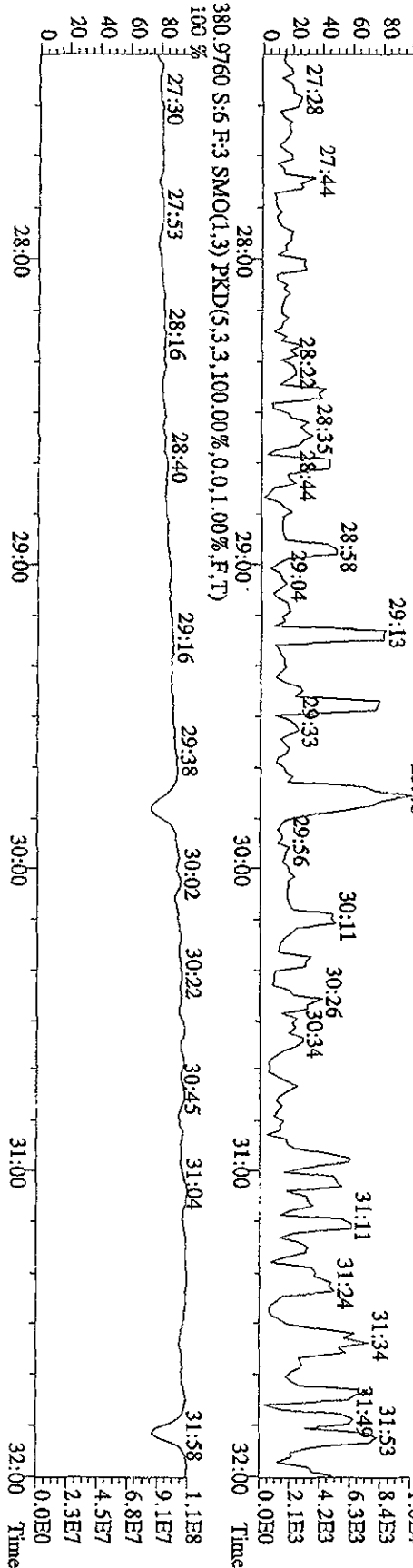
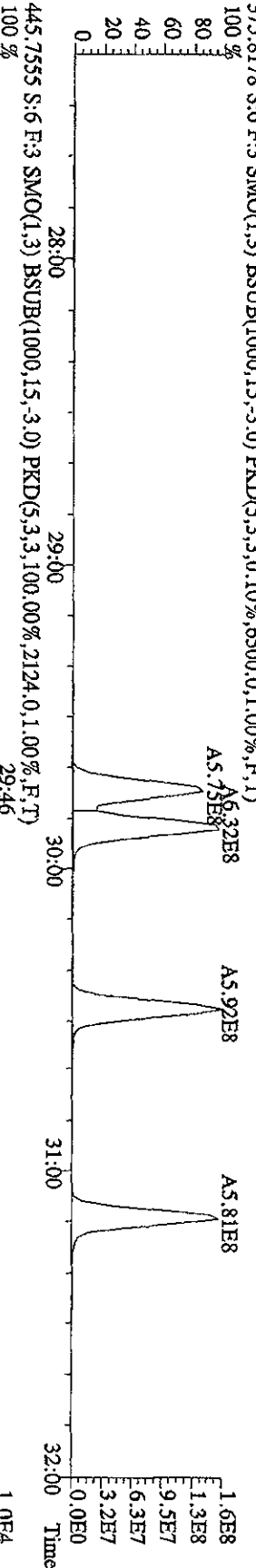
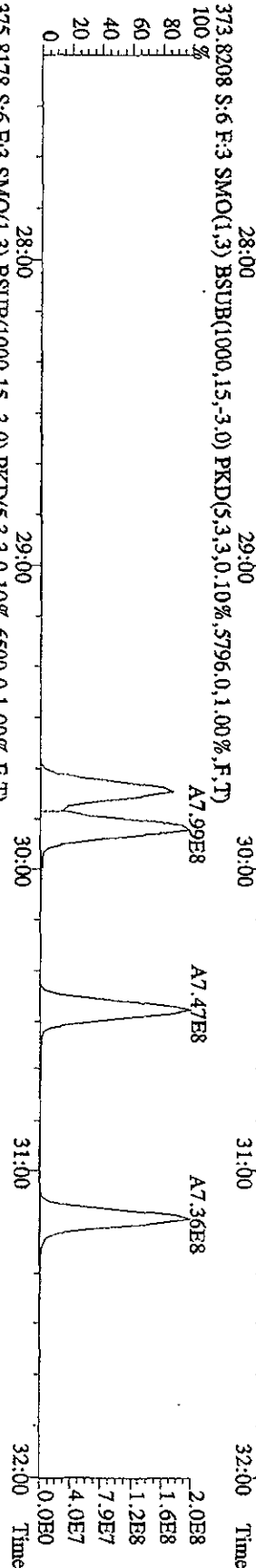
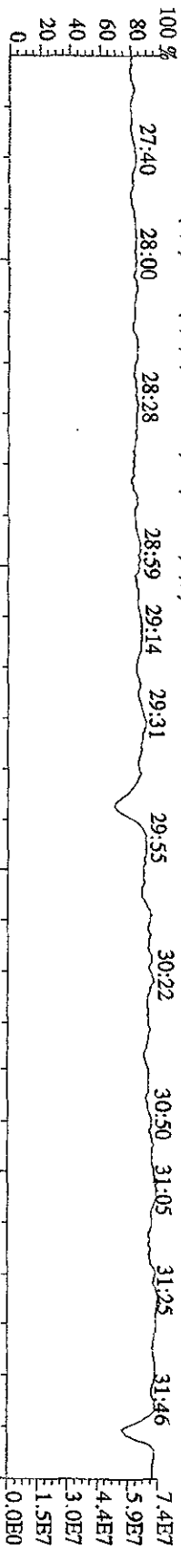
File: 14SEP101D5 #1-382 Acq: 14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST0914D :CS4 10DXN337 Exp: DIOXINRES



File: 14SE101D5 #1-422 Acq: 14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST0914D :CS4 10DXN337 Exp: DIOXINRES

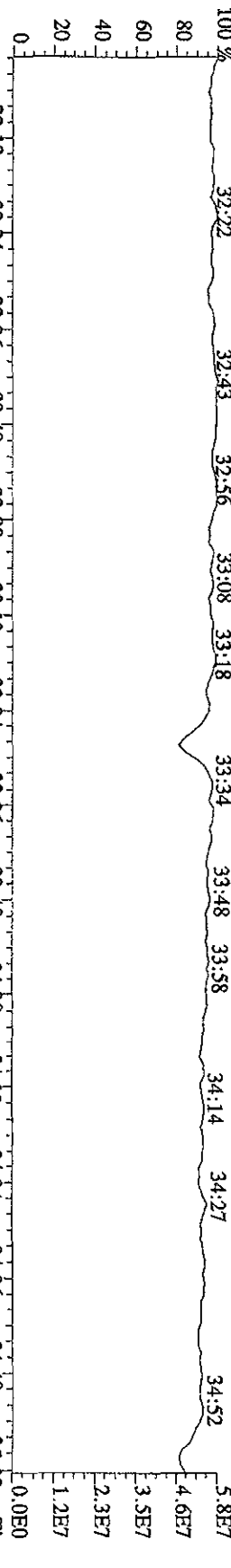


File: 14SEI01D5 #1-301 Acq: 14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
 Sample# 6 Text: ST0914D :CS4 10DXN337 Exp: DIOXINRES

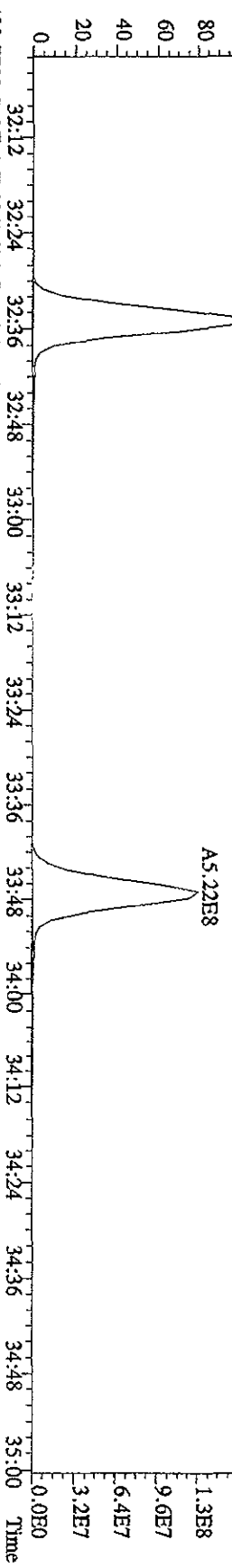


File:14SE101D5 #1-203 Acq:14-SEP-2010 14:11:20 GC:EI+ Voltage:STR 70SE

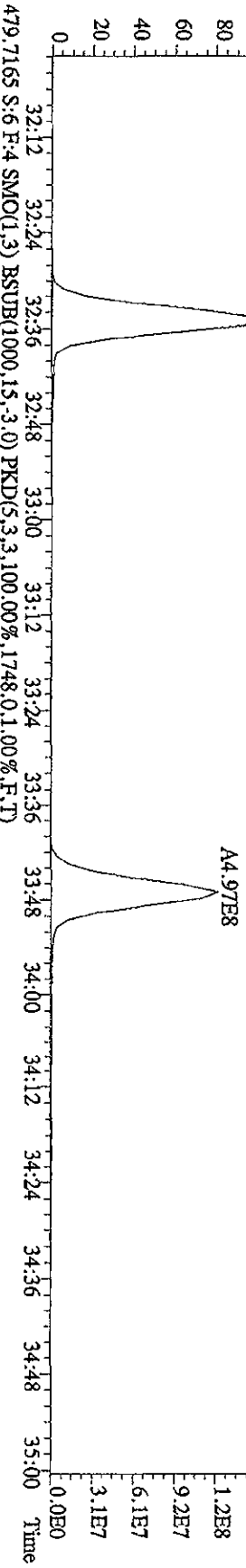
Sample#6 Text:ST0914D :CS4 10DXN337 Exp:DIOXINRES



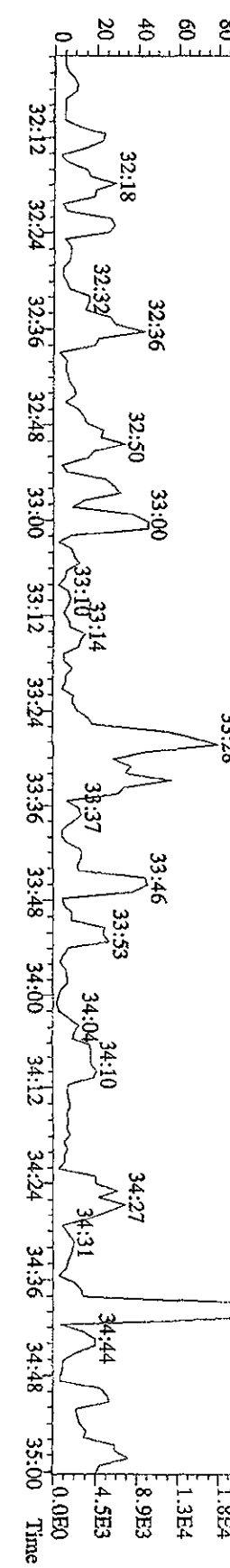
407.7818 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28324,0.1,0.0%,F,T)



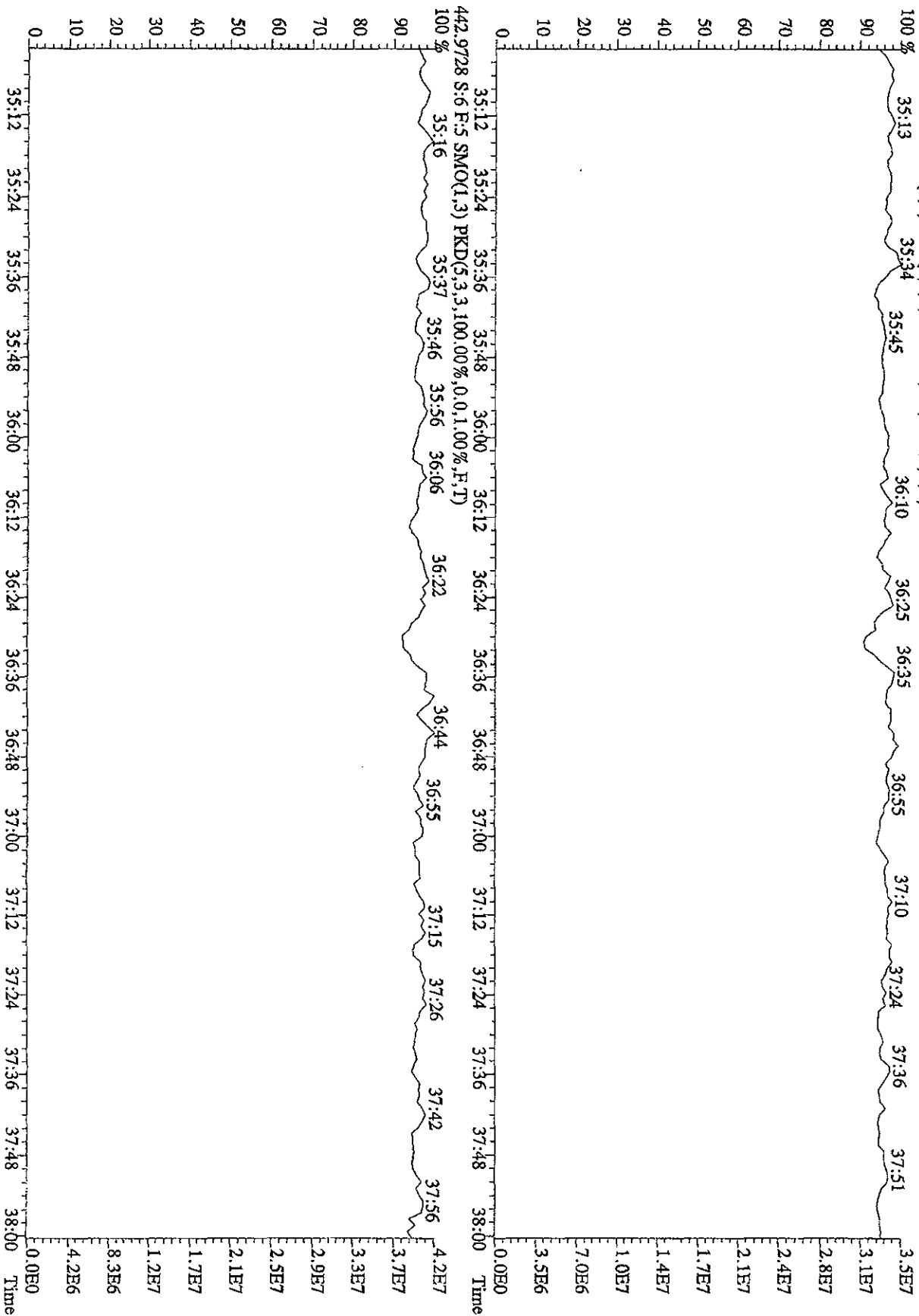
409.7789 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28888,0.1,0.0%,F,T)



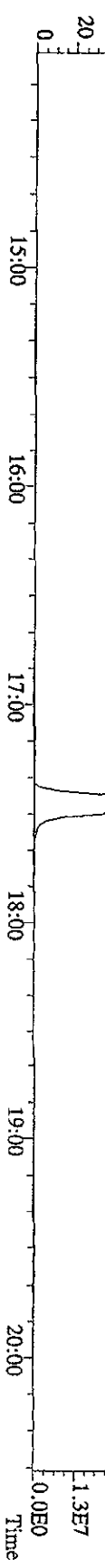
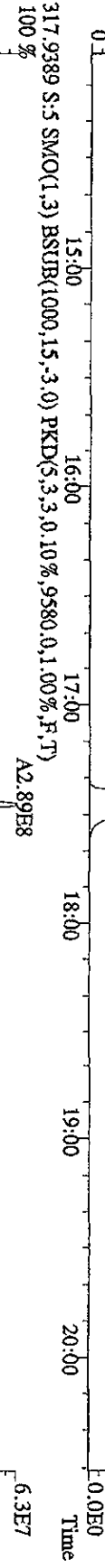
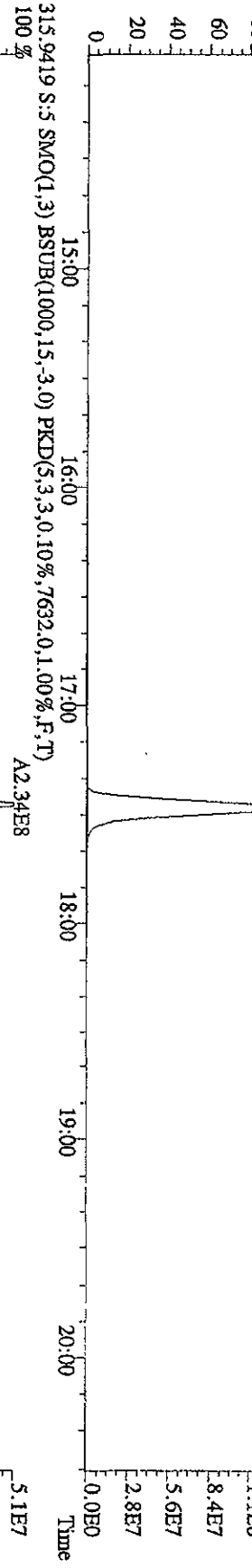
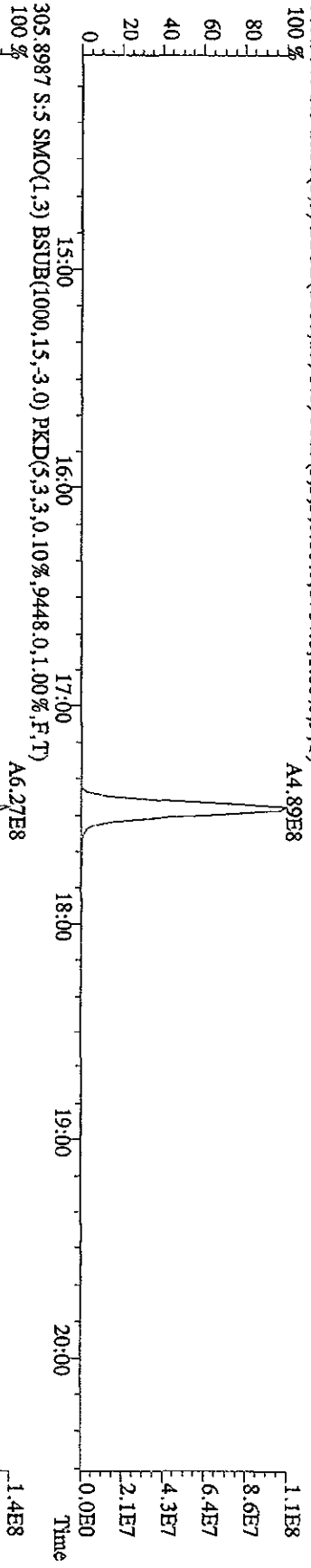
479.7165 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1748,0.1,0.0%,F,T)



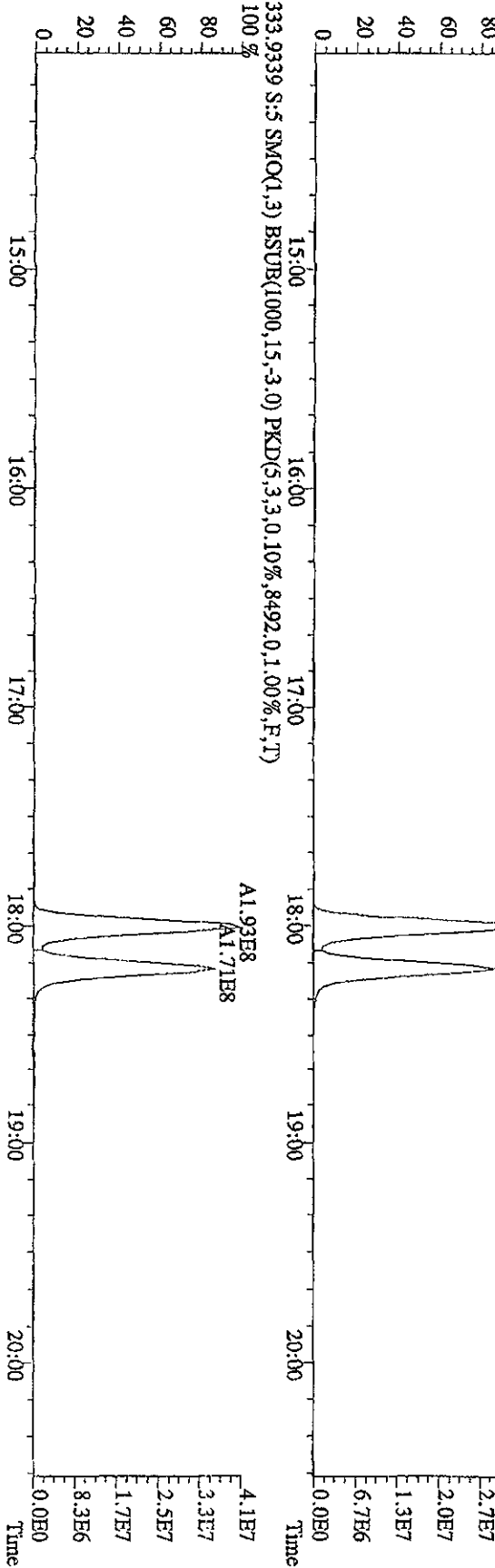
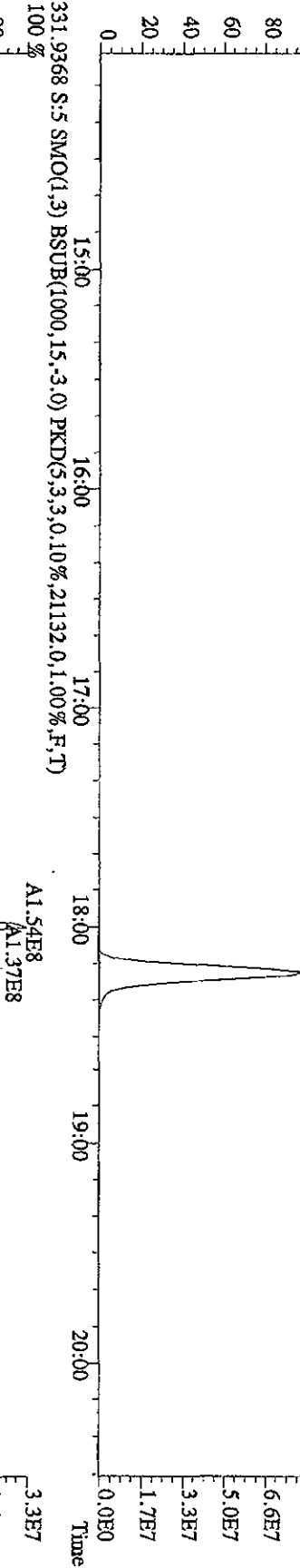
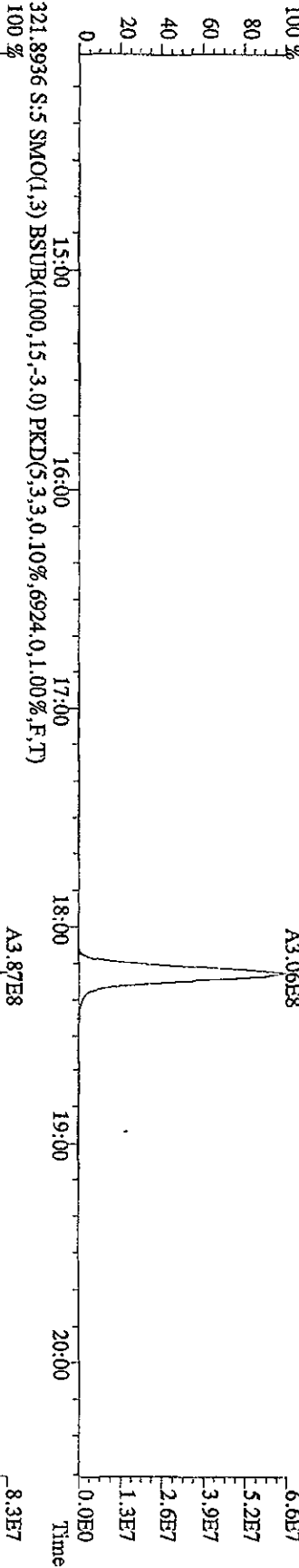
File: 14SE101D5 #1-196 Acq: 14-SEP-2010 14:11:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST0914D :CS4 10DXN337 Exp: DIOXINES
 454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



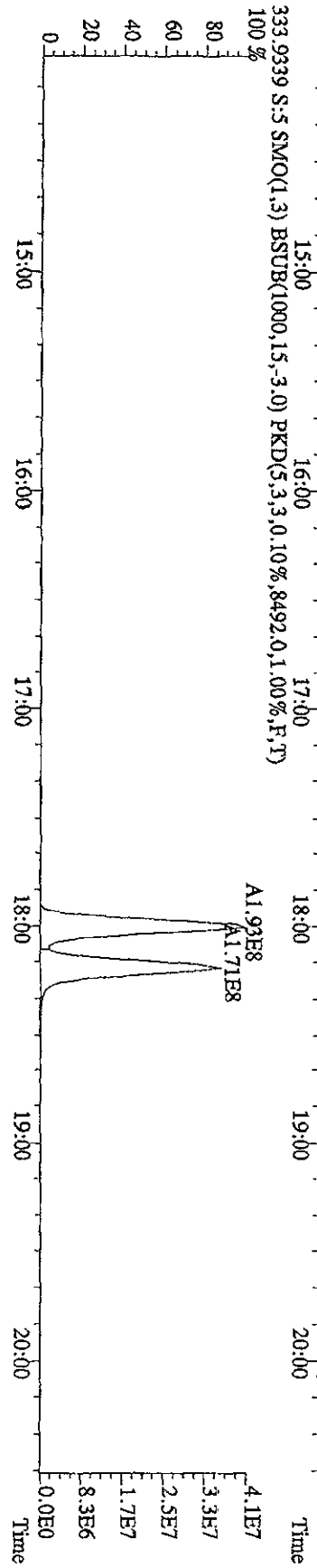
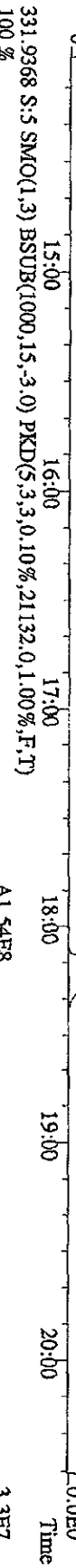
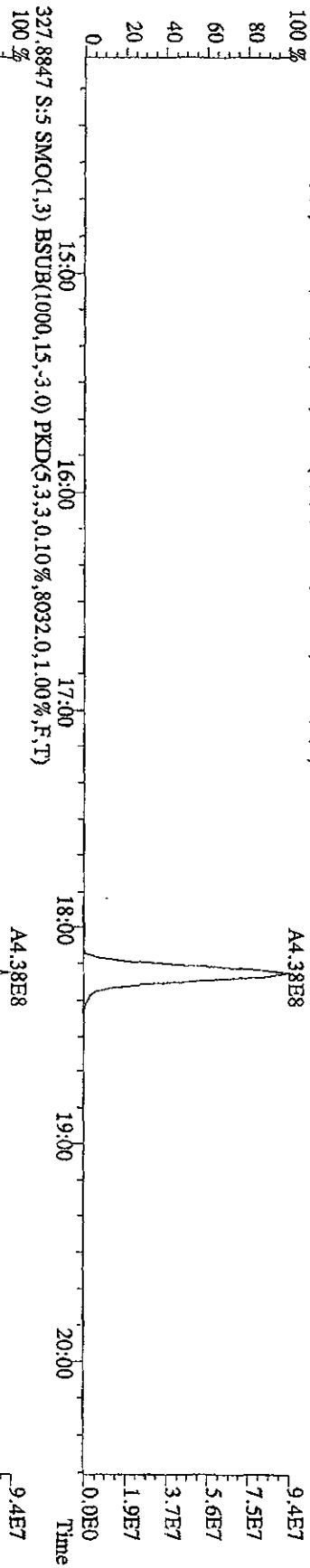
File:14SE101D5 #1-382 Acq:14-SEP-2010 13:28:23 GC EI + Voltage SHR 70SE
 Sample#5 Text:ST0914C :CSS 10DXN339 Exp:DIOXINRES
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6764,0,1,00%,F,T)



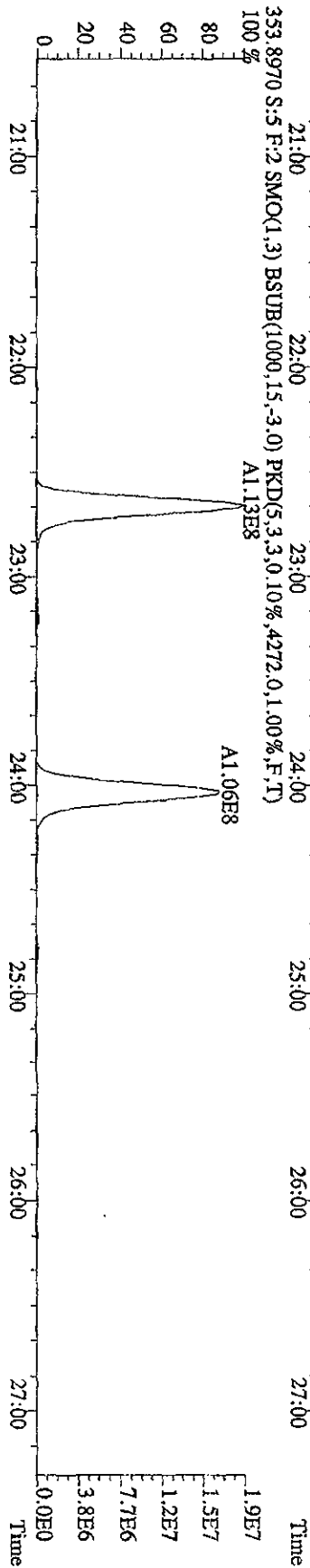
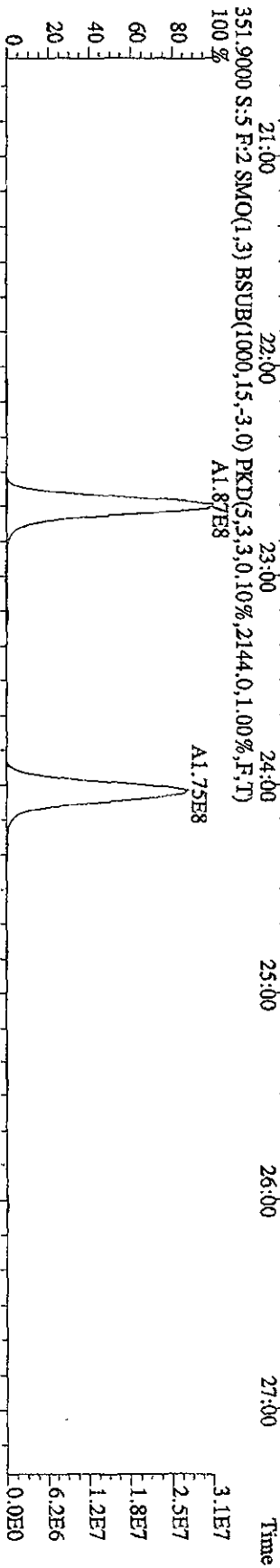
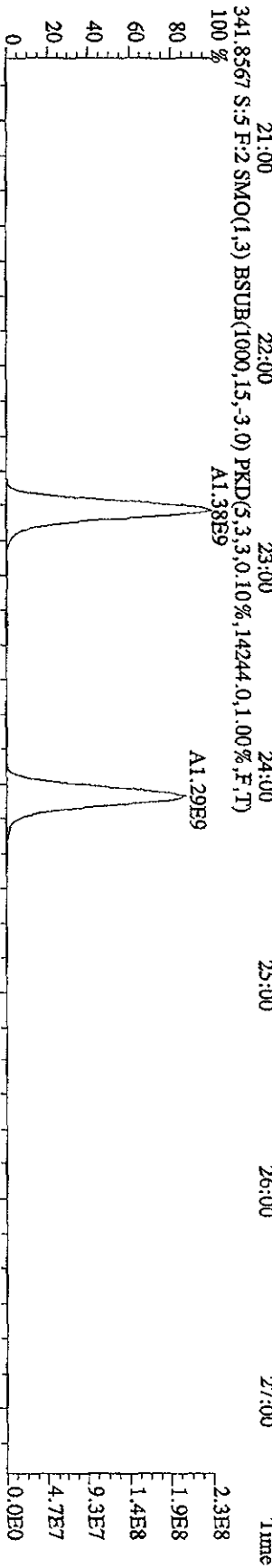
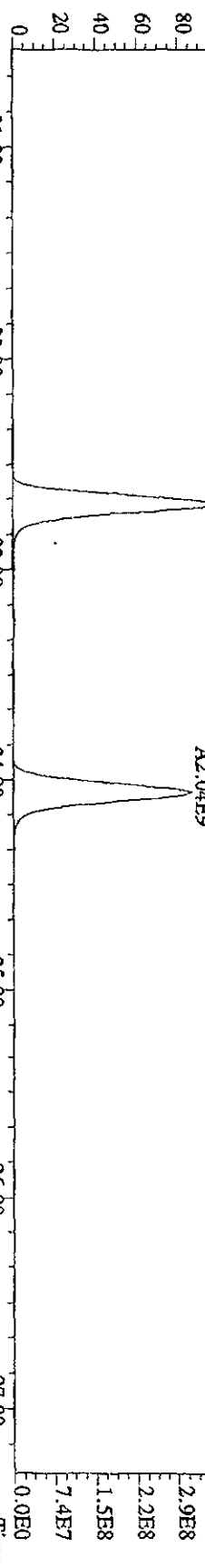
File:14SE101D5 #1-382 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6692,0,1,00%,F,T)



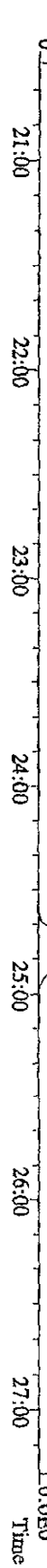
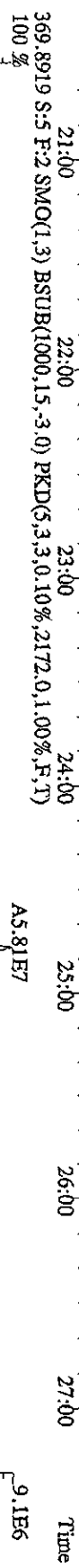
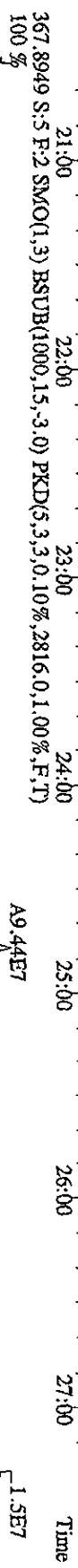
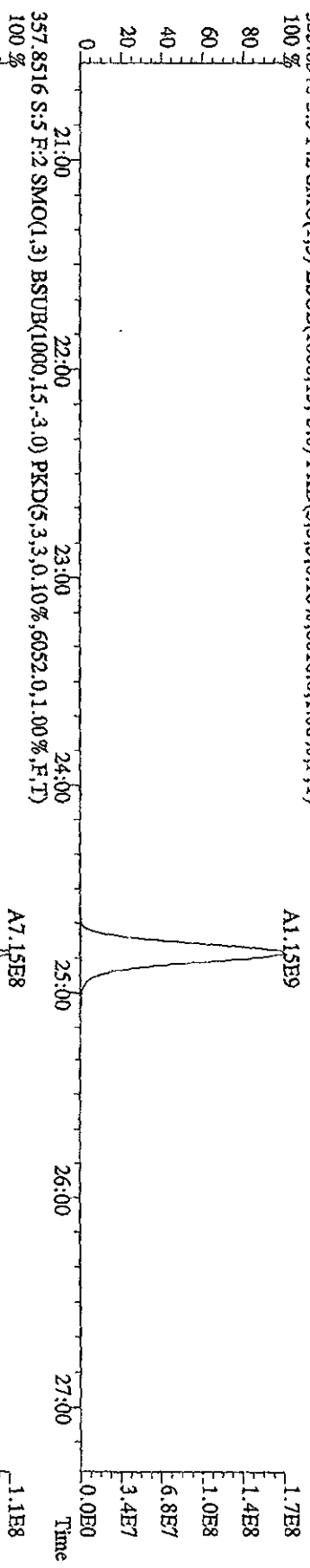
File:14SEI01D5 #1-382 Acq:14-SEP-2010 13:28:23 GC EI + Voltage SIR 70SE
 Sample#5 Text:ST0914C :CSS 10DXN339 Exp:DIOXNRES
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8032,0,1,00%,F,T)
 100 %



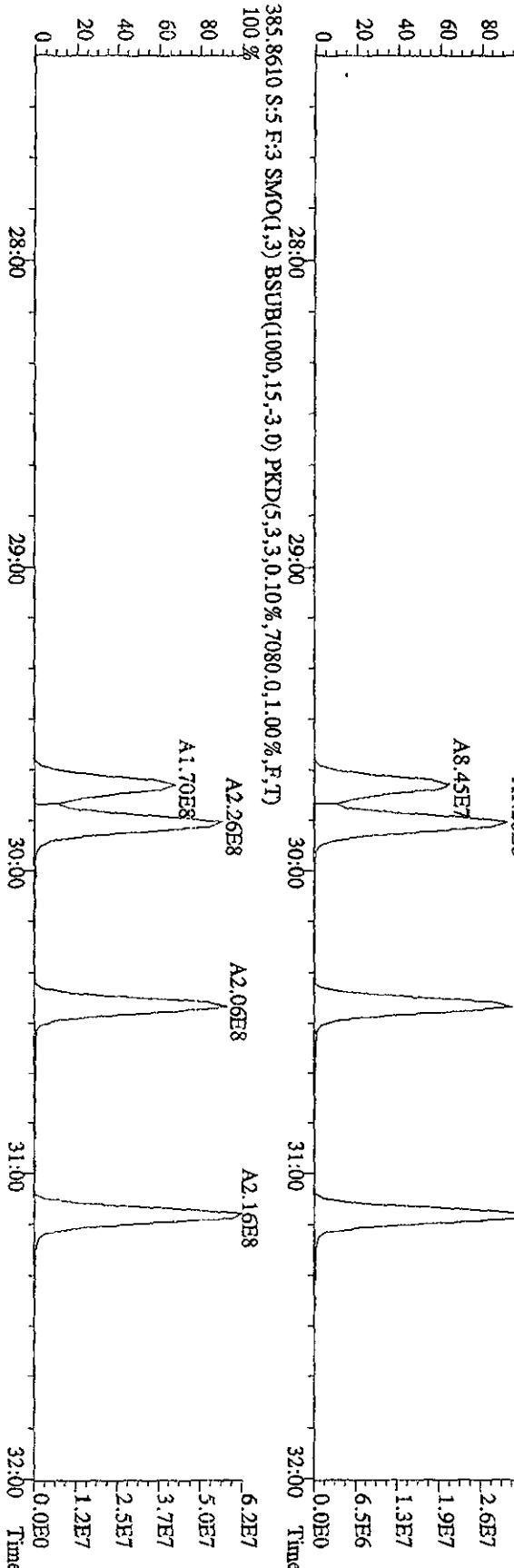
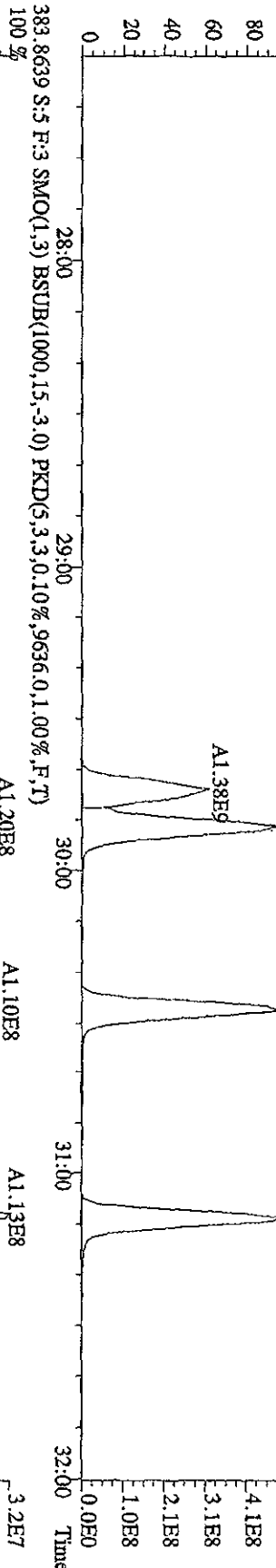
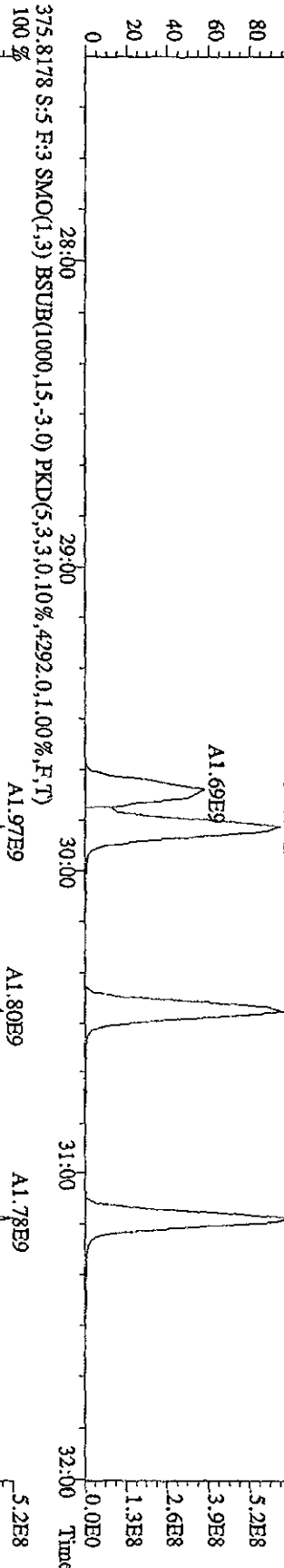
File: 14SE101D5 #1-422 Acq: 14-SEP-2010 13:28:23 GC FI + Voltage SIR 70SE
 Sample#5 Text: ST0914C :CSS 10DXN339 Exp: DIOXINRES
 339 8597 S.S.F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,0,10%,11548,0,1,00%,F,T)
 100% A2.19E9



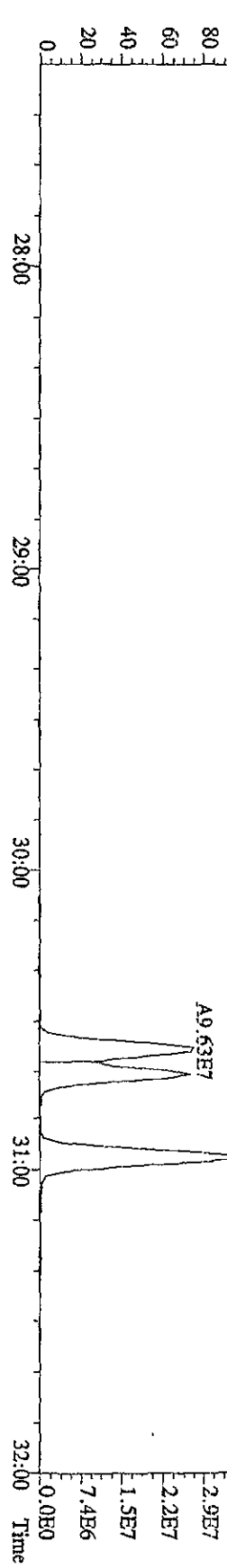
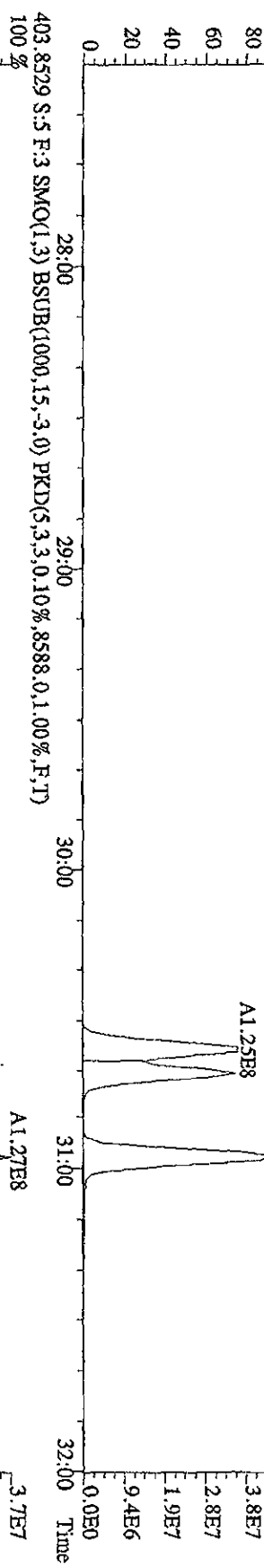
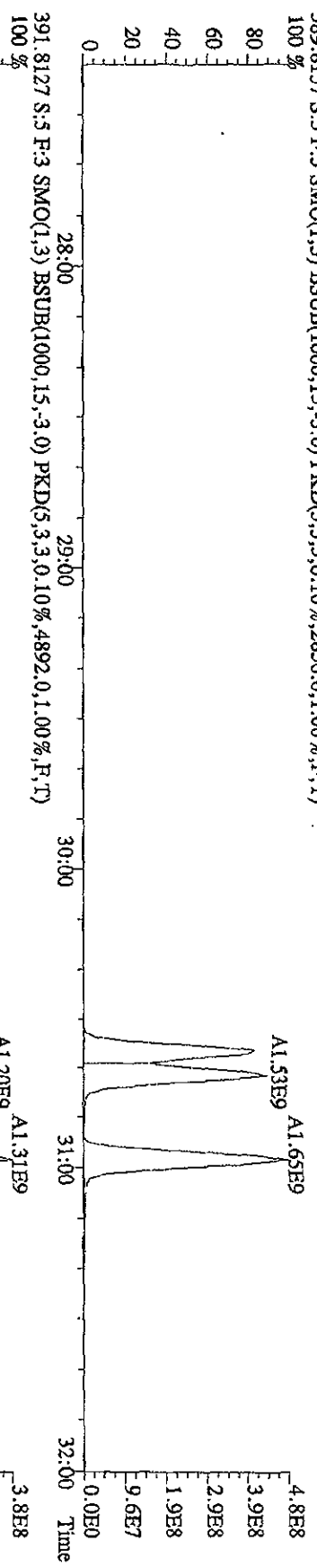
File: 14SE101D5 #1-422 Acq: 14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST0914C : CSS 10DXN339 Exp: DIOXINRES
 357.8516 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6052,0,1,00%,F,T)
 100%



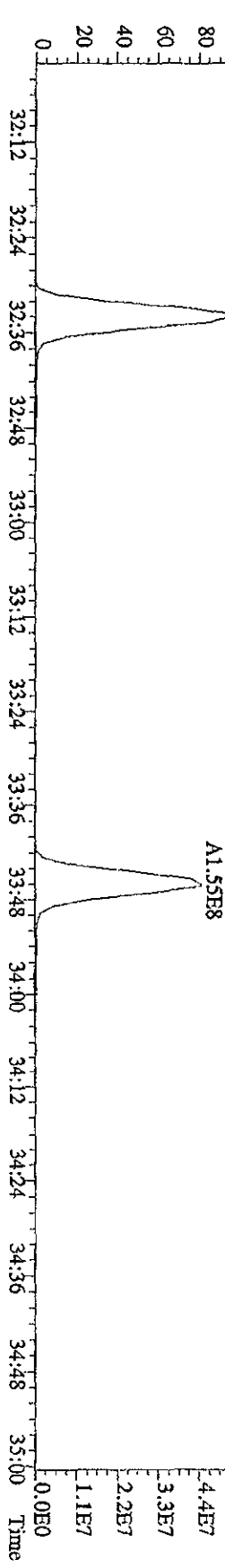
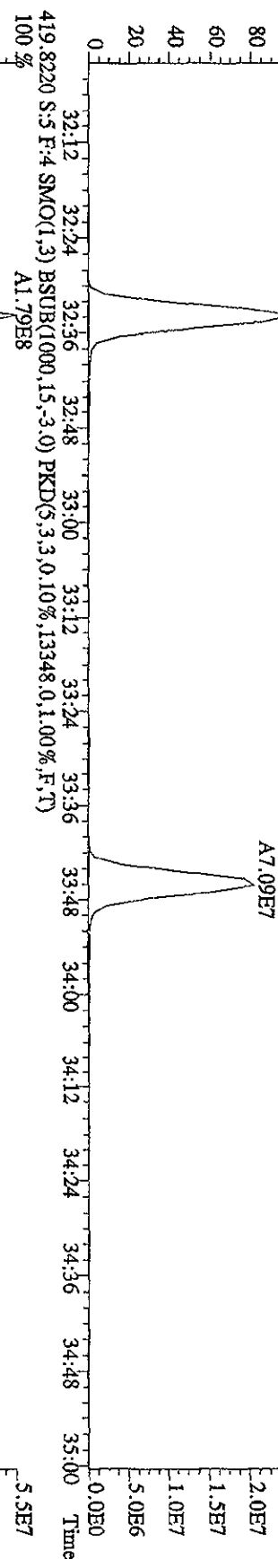
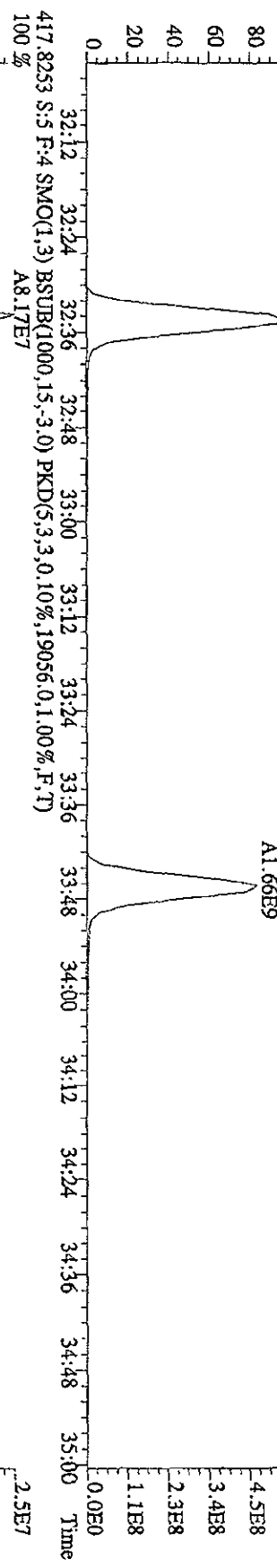
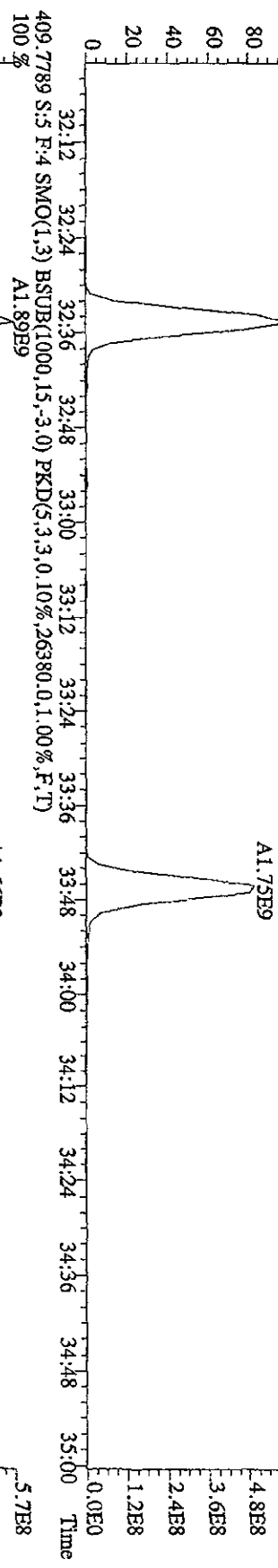
File:14SE101D5 #1-301 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0914C :CSS 10DXN339 Exp:DIOXINRES
 375.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4944.0,1.00%,F,T)
 100%



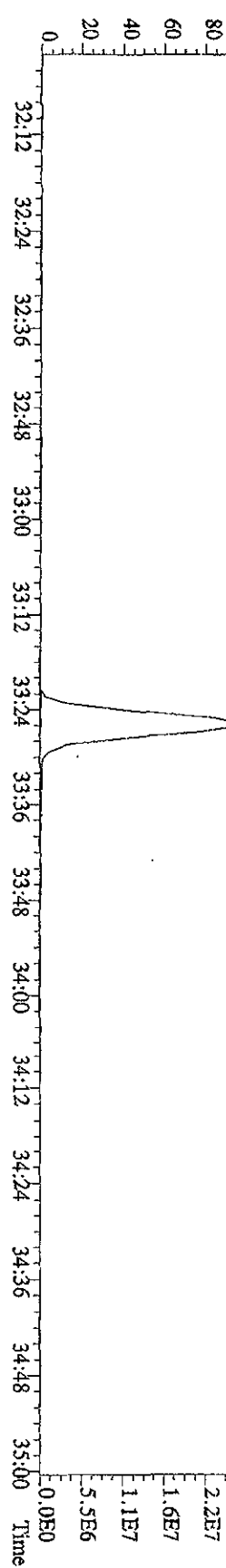
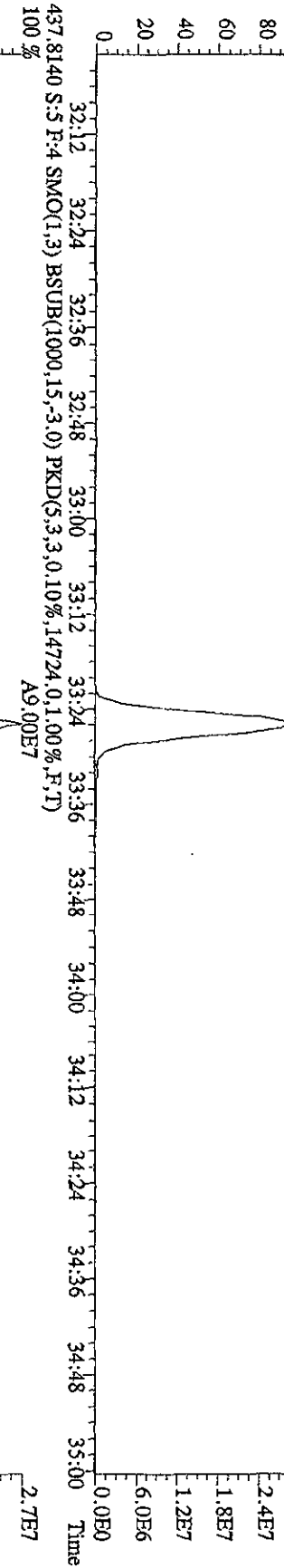
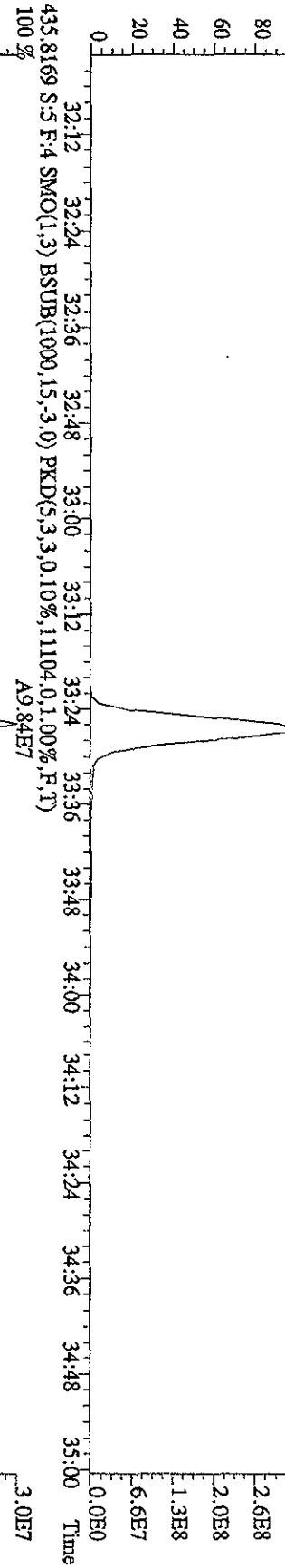
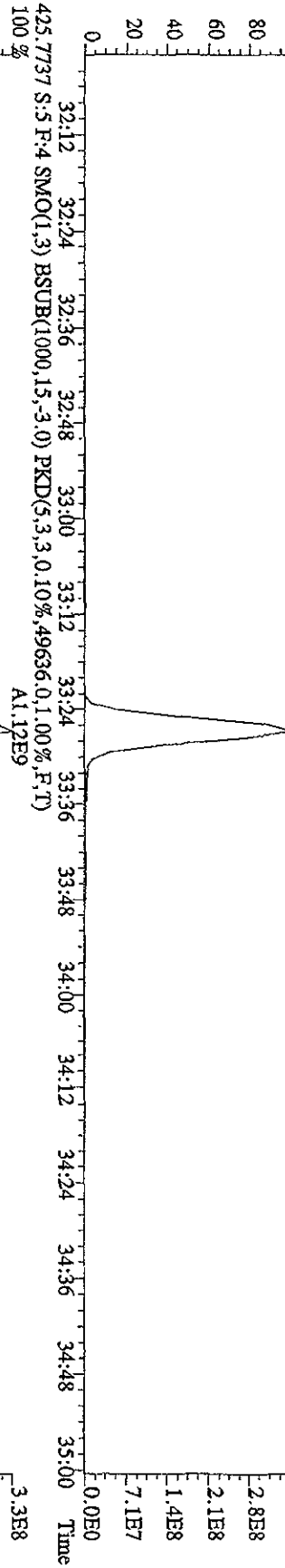
File:14SEI01D5 #1-301 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
 389.8157 S:S F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2856,0,1,00%,F,T)
 100%



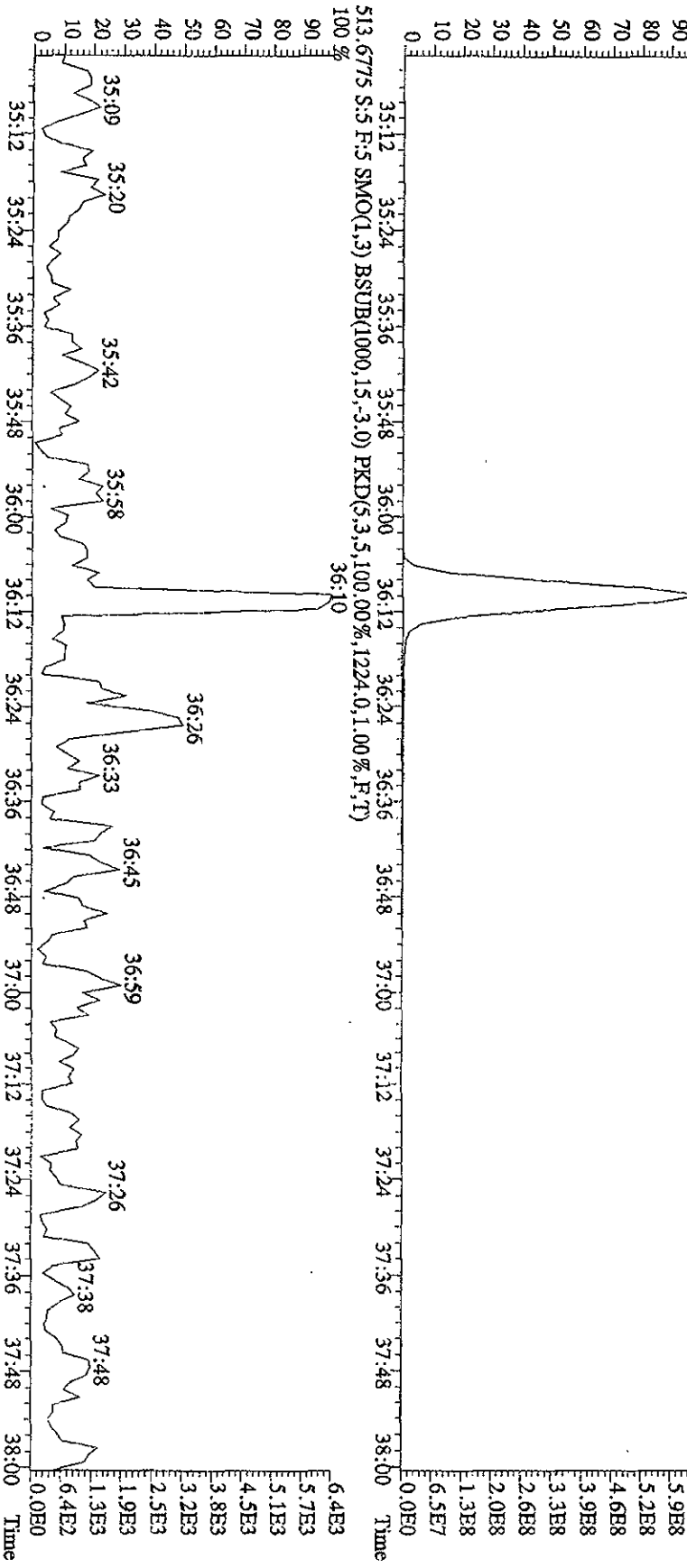
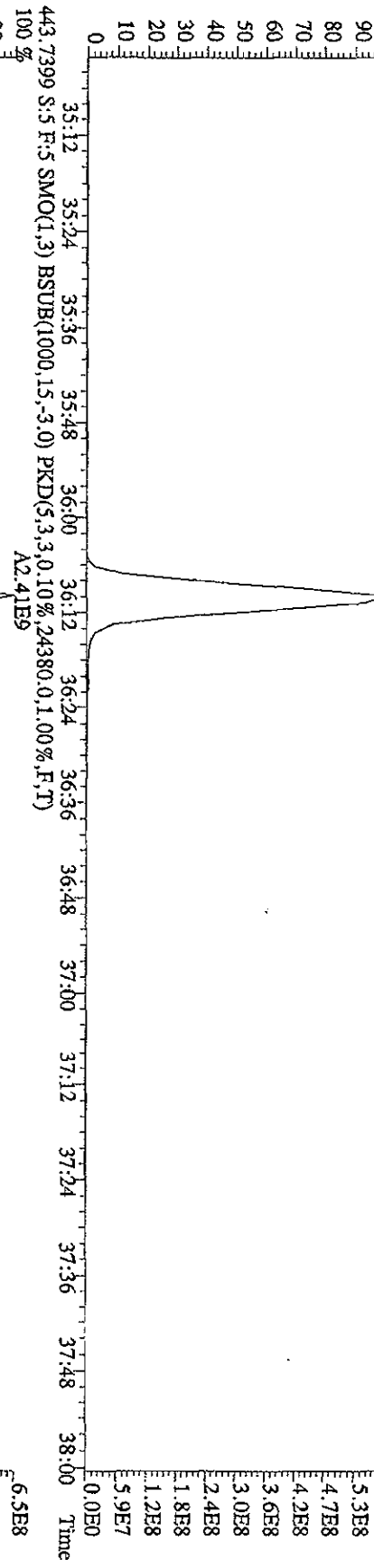
File:14SEP10ID5 #1-203 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SR 70SE
 Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
 407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,75656,0,1,00%,F,T)
 100 % A1.98E9



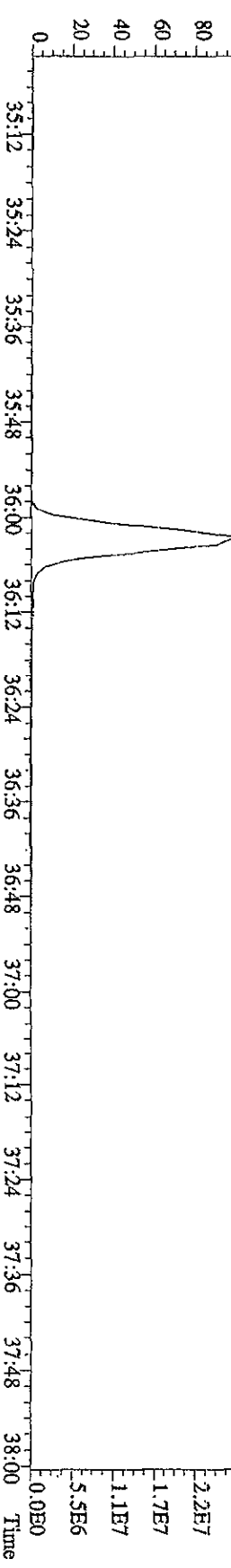
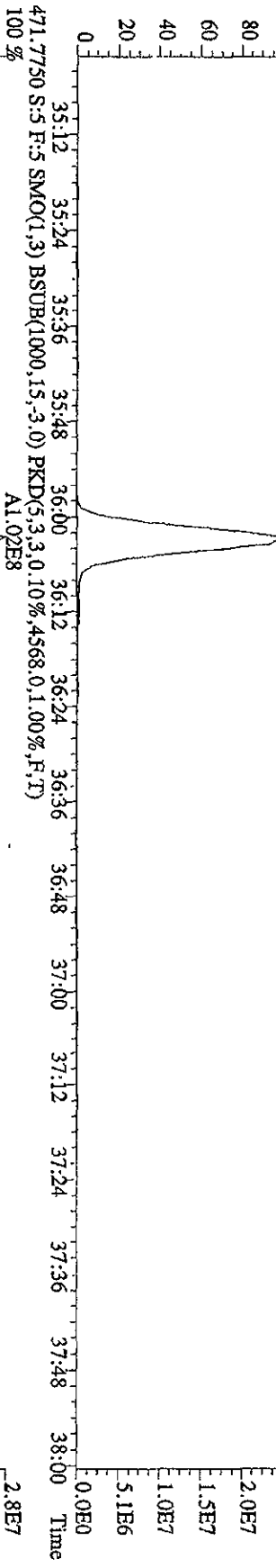
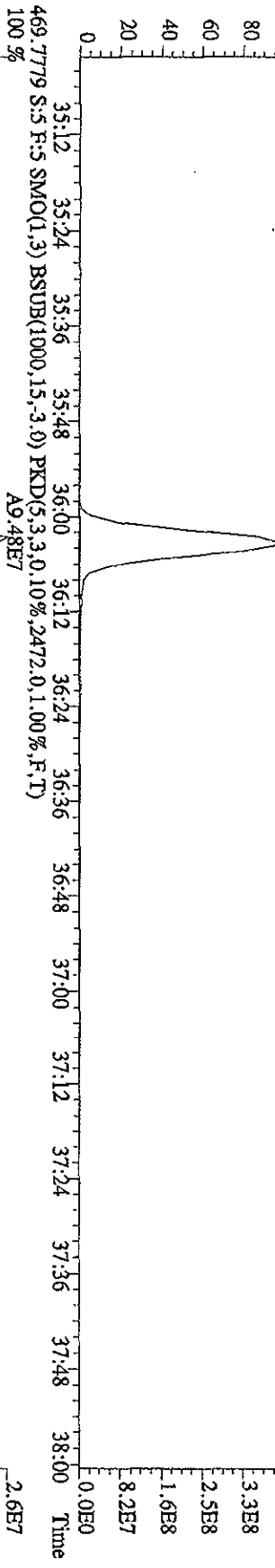
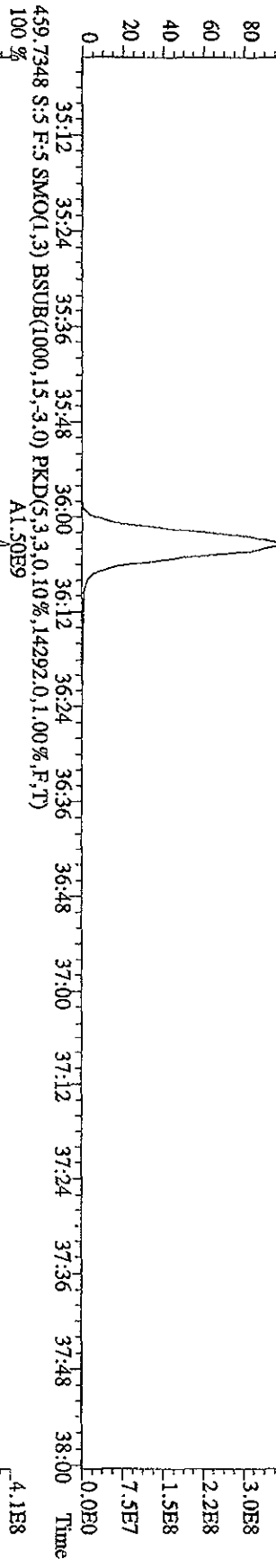
File:14SEP101D5 #1-203 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES
 423.7737 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,.37960,0.1,00%,F,T)
 100% A1.12E9



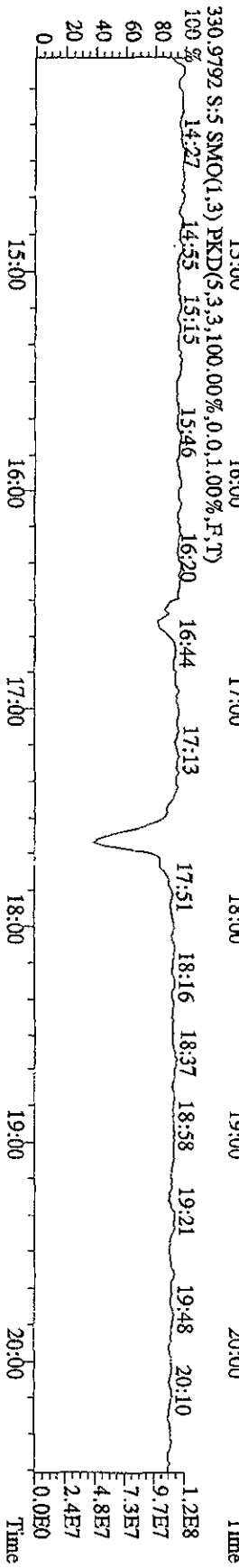
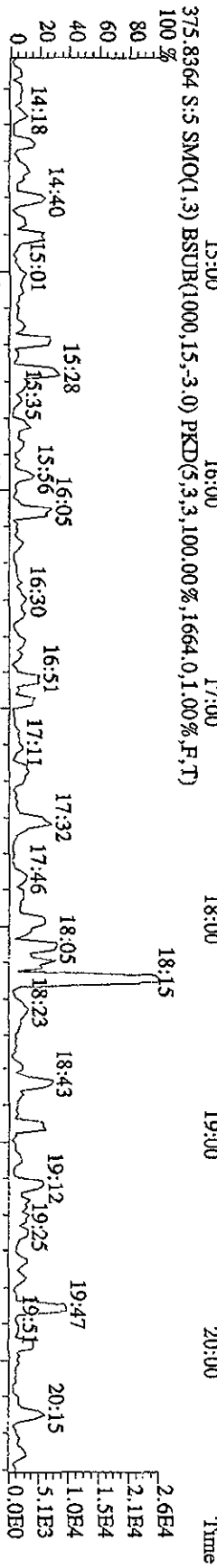
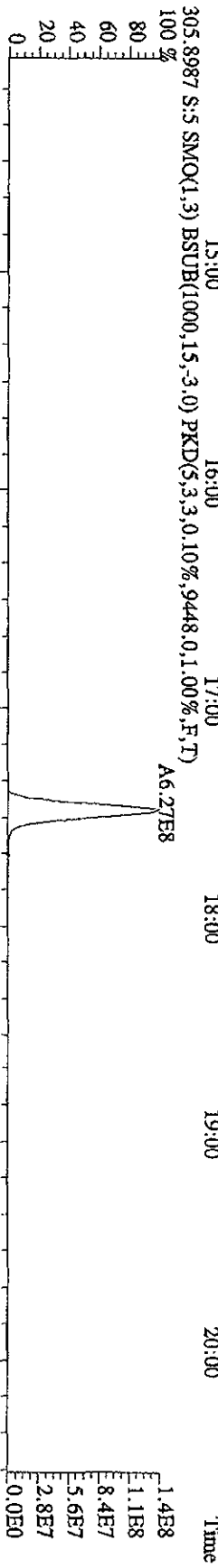
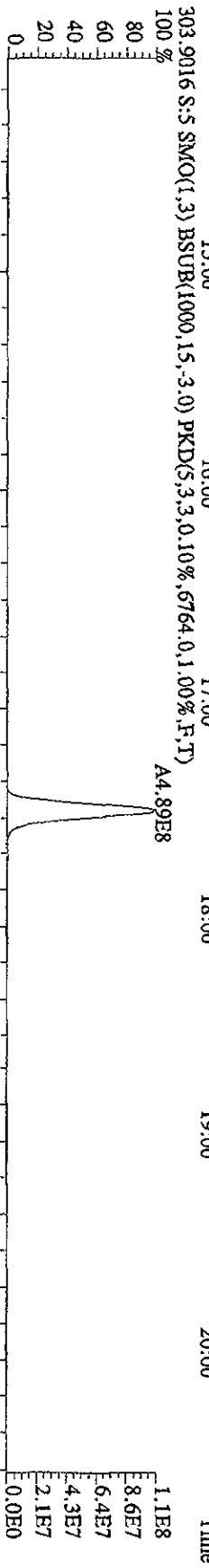
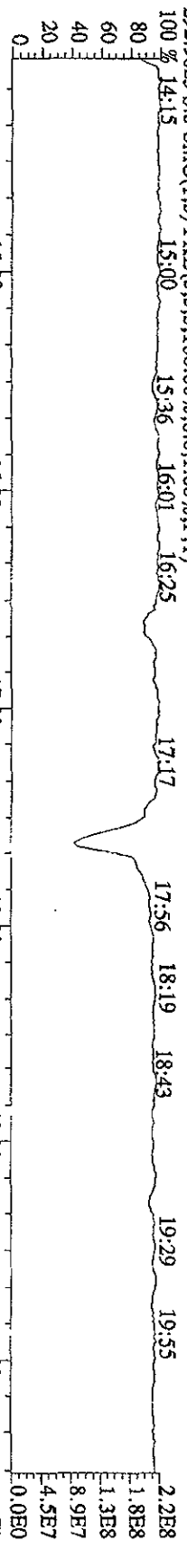
File:14SEI01D5 #1-196 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0914C :CSS 10DXN339 Exp.:DIOXINRES
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,43356,0.1,00%,F,T)
 100% A2.23E9



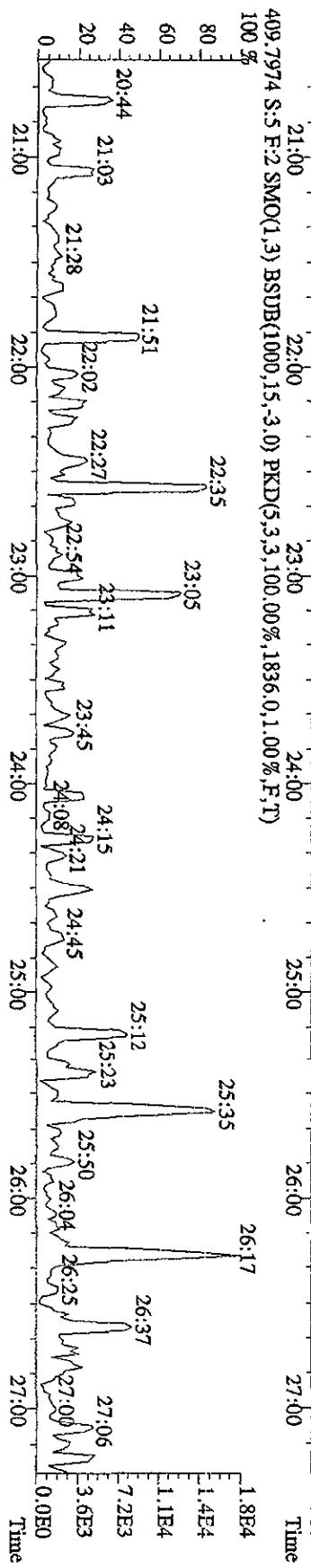
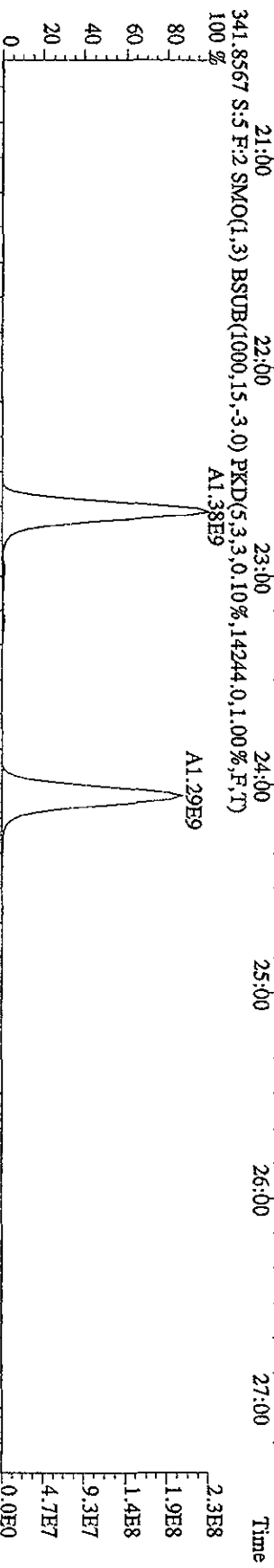
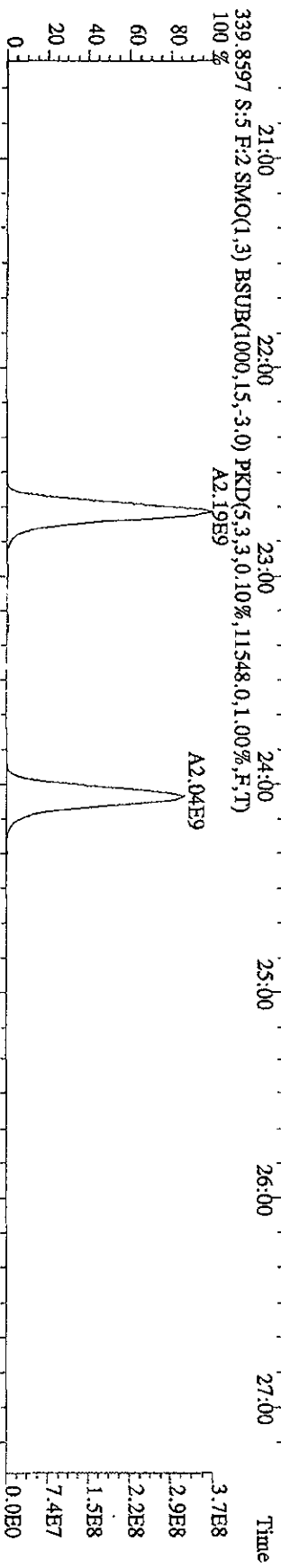
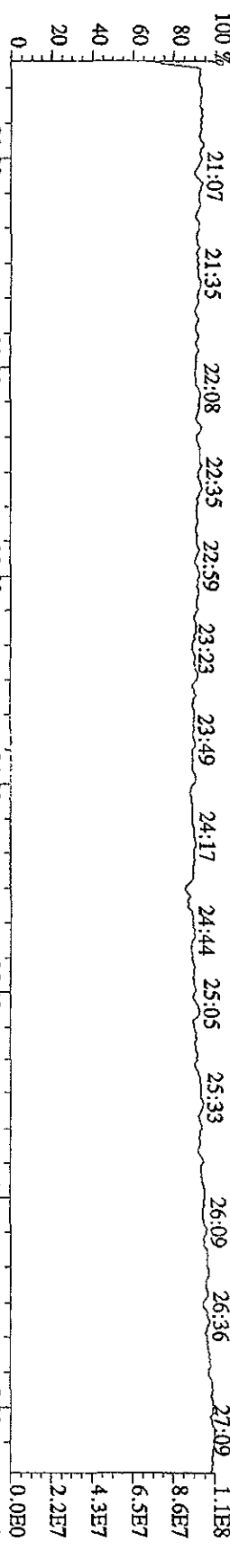
File: 14SE101D5 #1-196 Acq: 14-SEP-2010 13:28:23 GC EI + Voltage SIR 70SE
 Sample#5 Text: ST0914C :CSS 10DXN339 Exp: DIOXINRES
 457.7377 S.S.F.:S MO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,12636.0,1.00%,F,T)
 100%



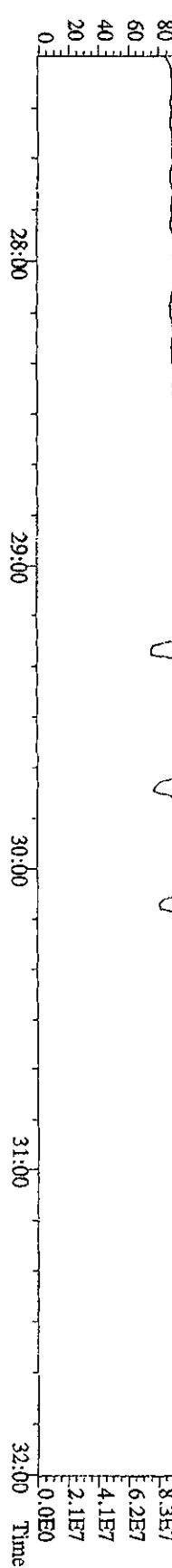
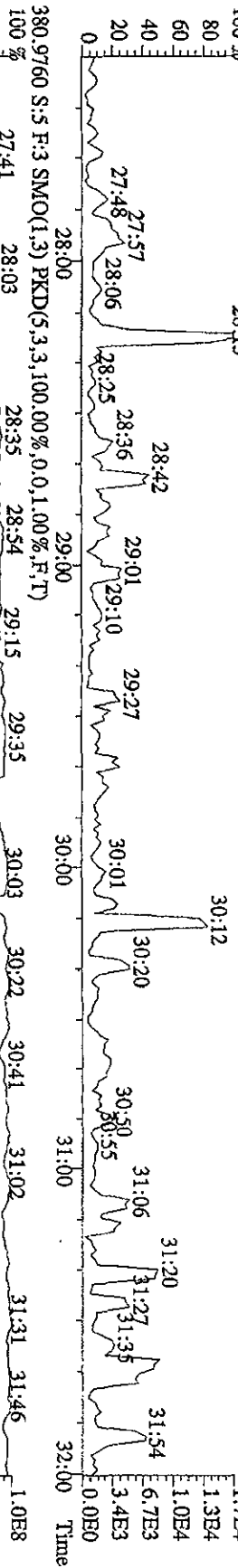
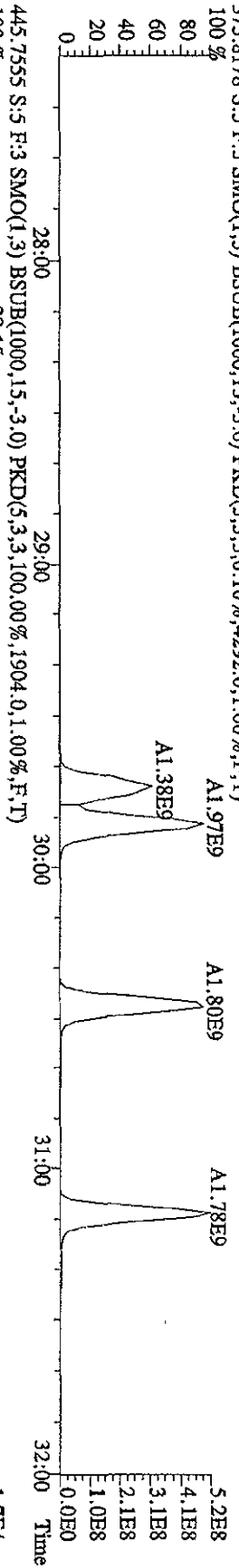
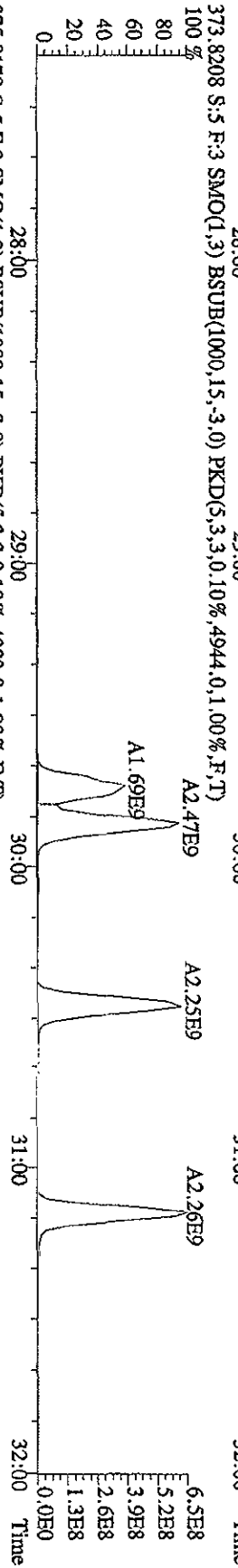
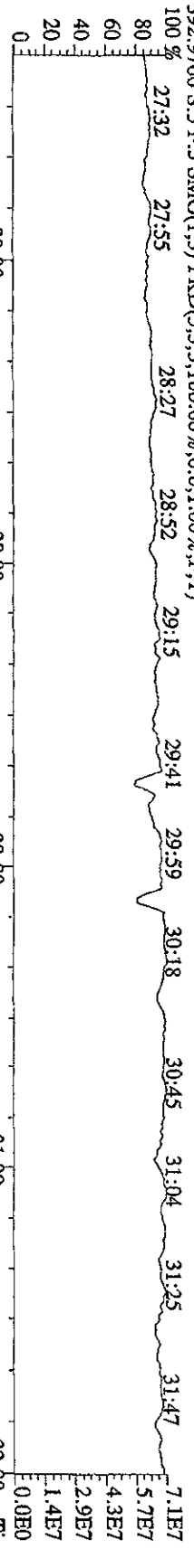
File:14SEP101D5 #1-382 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0914C :CS5 10DXN339 Exp:DIOXINRES



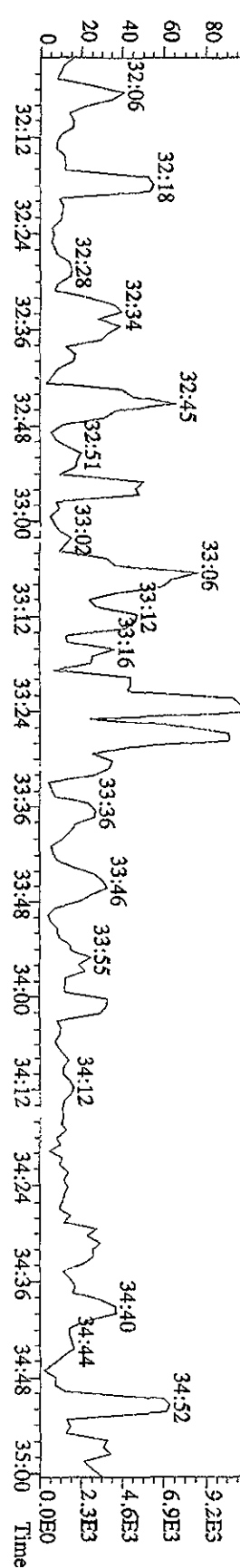
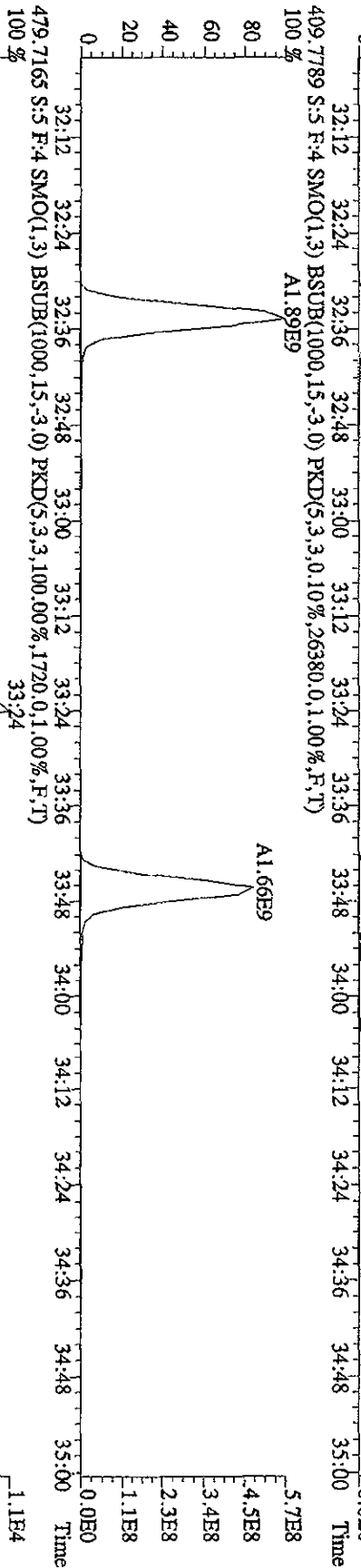
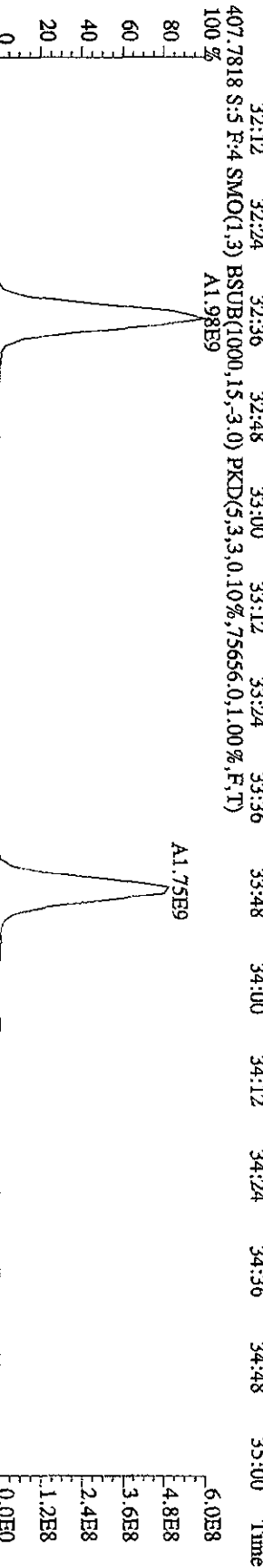
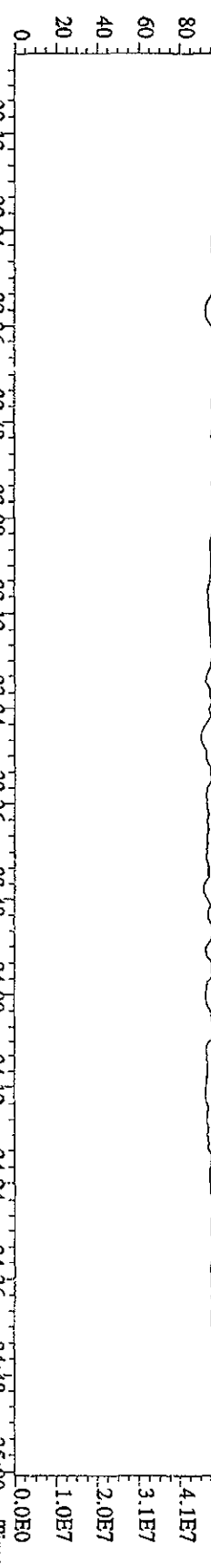
File: 14SEP101D5 #1.422 Acq: 14-SEP-2010 13:28:23 GC EI+ Voltage 51K 70SE
 Sample#5 Text: ST0914C : CSS 10DXN339 Exp: DIOXINRES
 342.9792 S.S.F: 2 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)



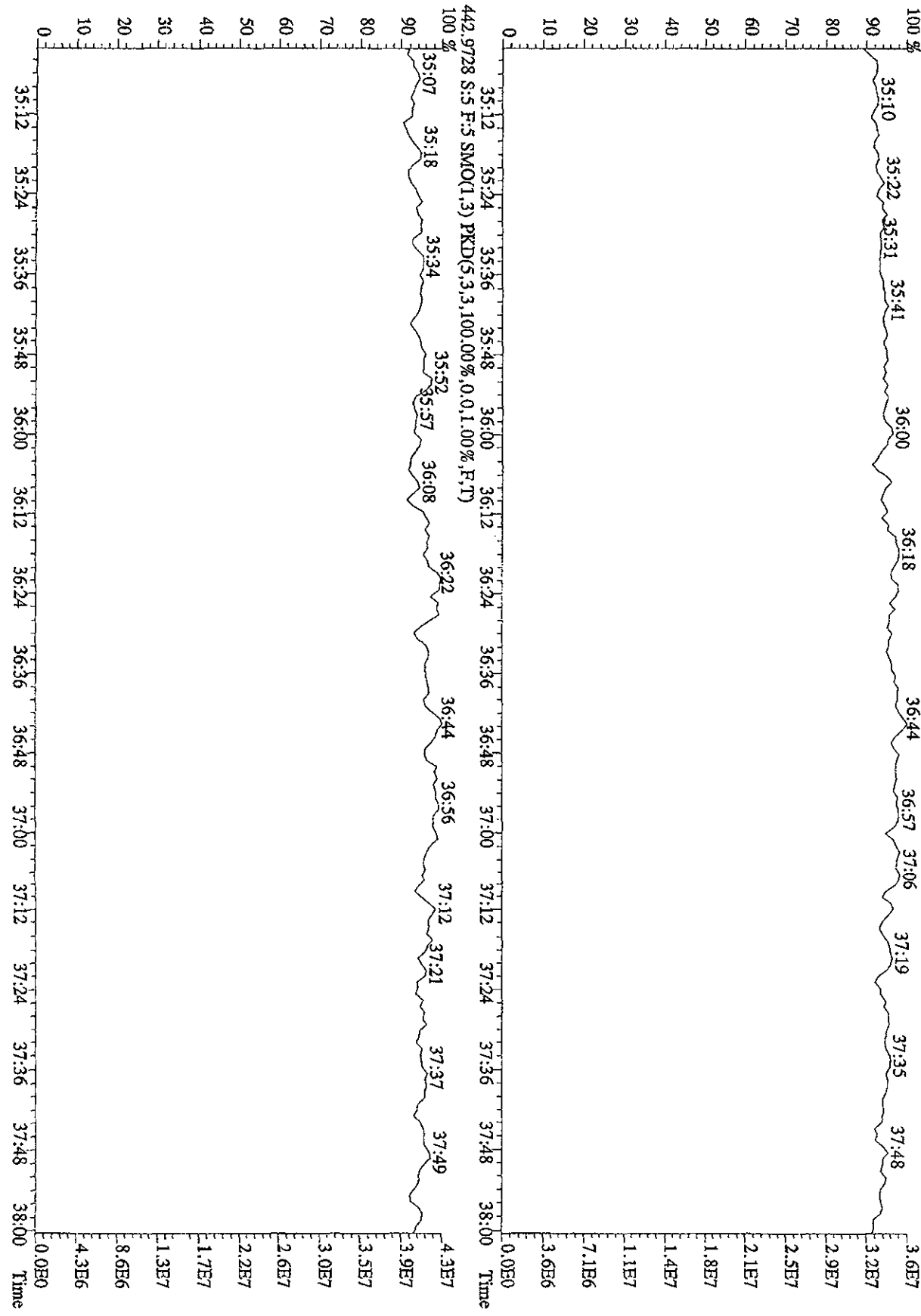
File:14SE101D5 #1-301 Acq:14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0914C :CSS 10DXN339 Exp:DIOXINRES
 392.9760 S:5 F:3 SMO(1,3) PKD(5,3,100.00%,0.0,1.00%,F,T)
 373.8208 S:5 F:3 SMO(1,3) PKD(5,3,0.10%,4944.0,1.00%,F,T)



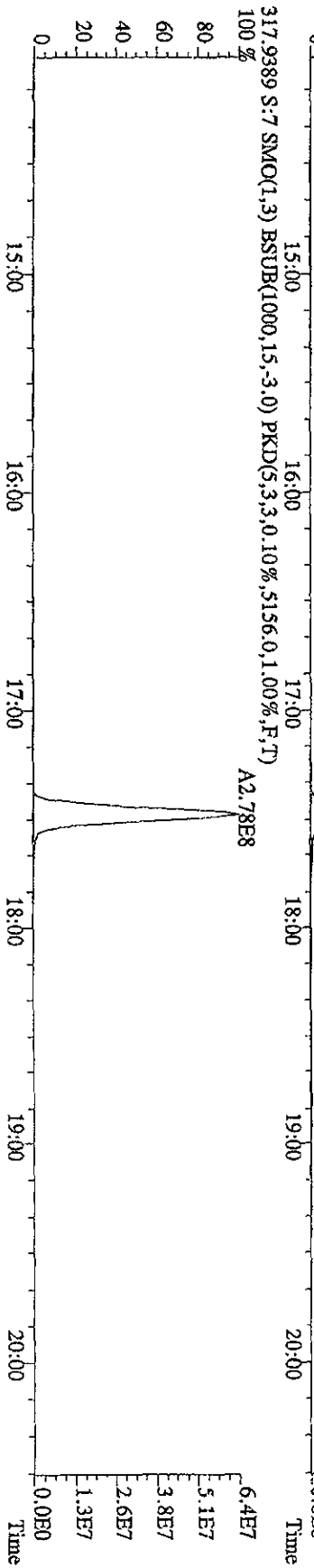
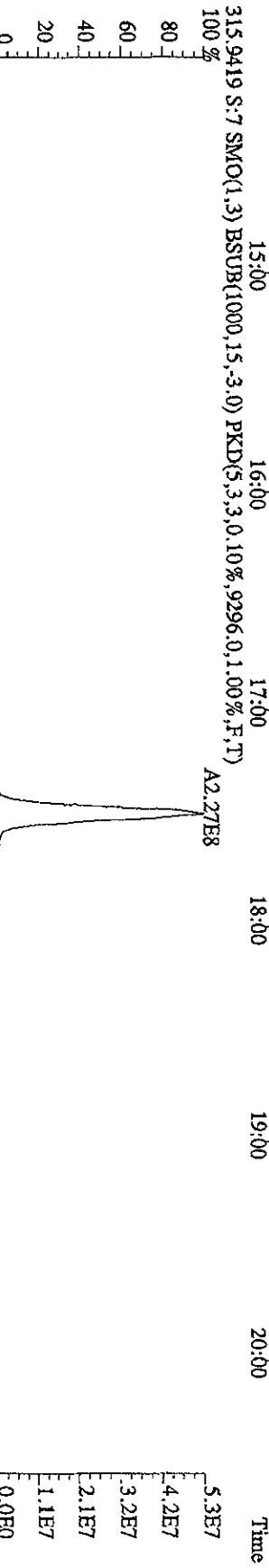
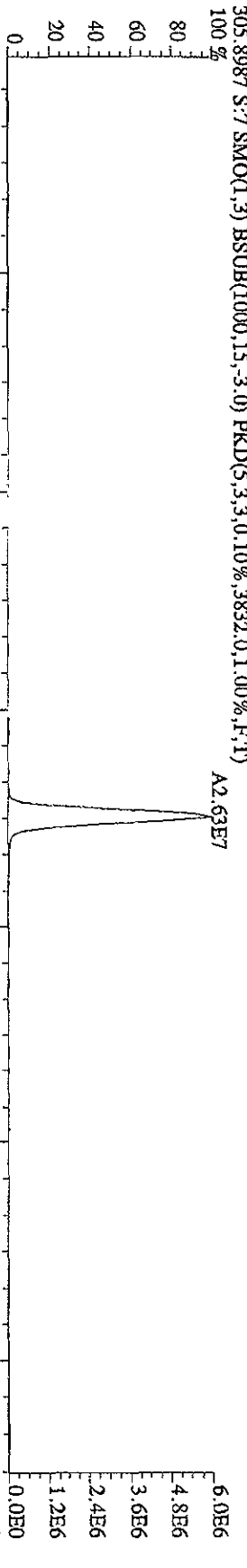
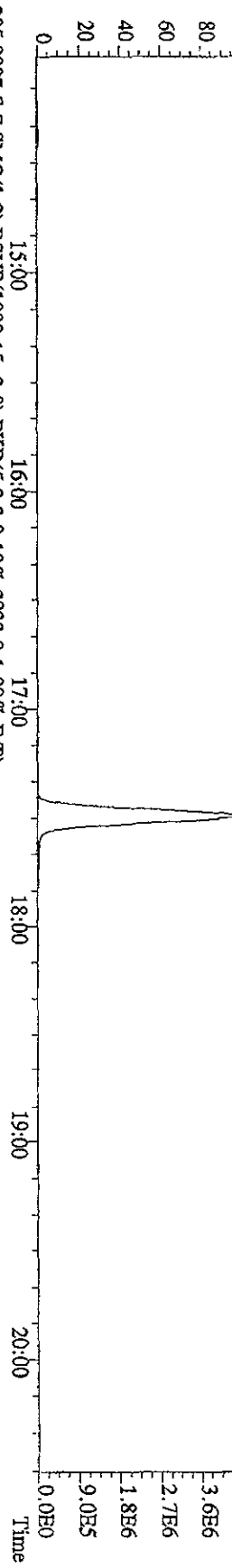
File: 14SEI01D5 #1-203 Acq: 14-SEP-2010 13:28:23 GC: EI+ Voltage: SIR 70SE
 Sample#5 Text: ST0914C :CSS 10DXN339 Exp: DIOXINRES
 430.9728 S:5 F:4 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)
 100% 32:14 32:29 32:44 32:59 33:17 33:33 33:52 34:04 34:28 34:46



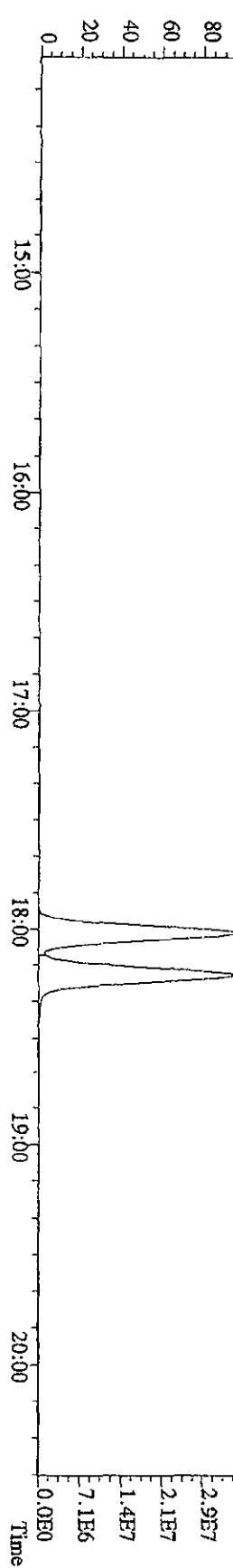
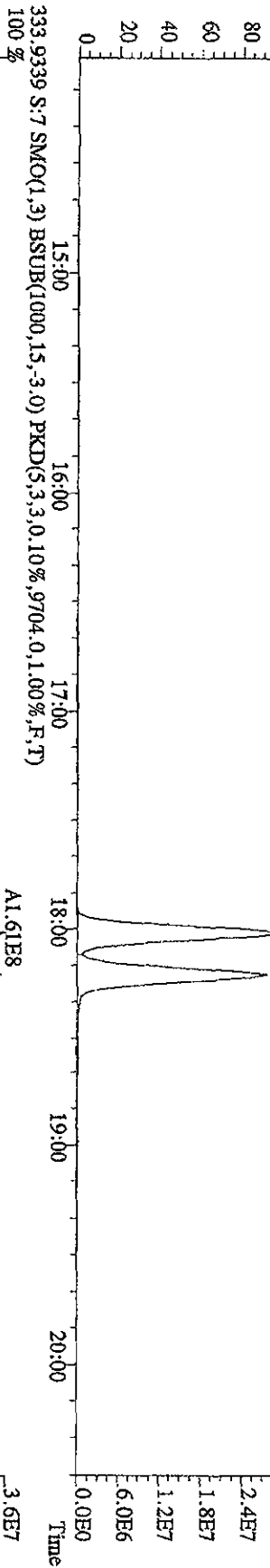
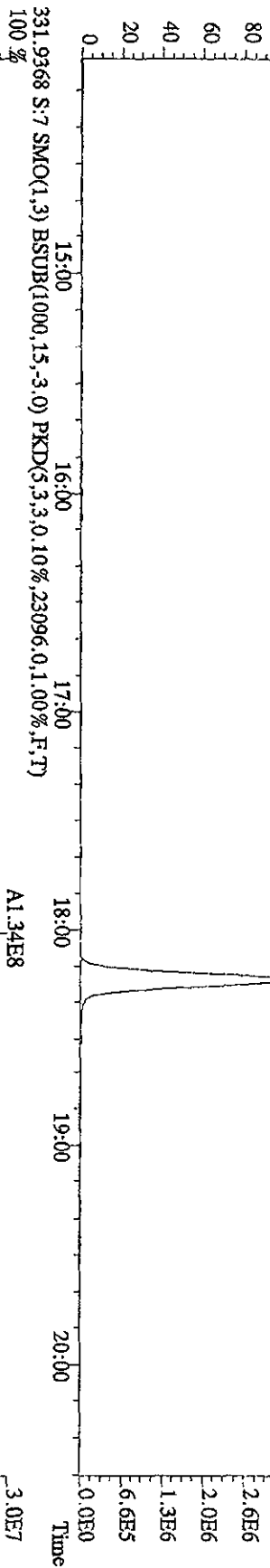
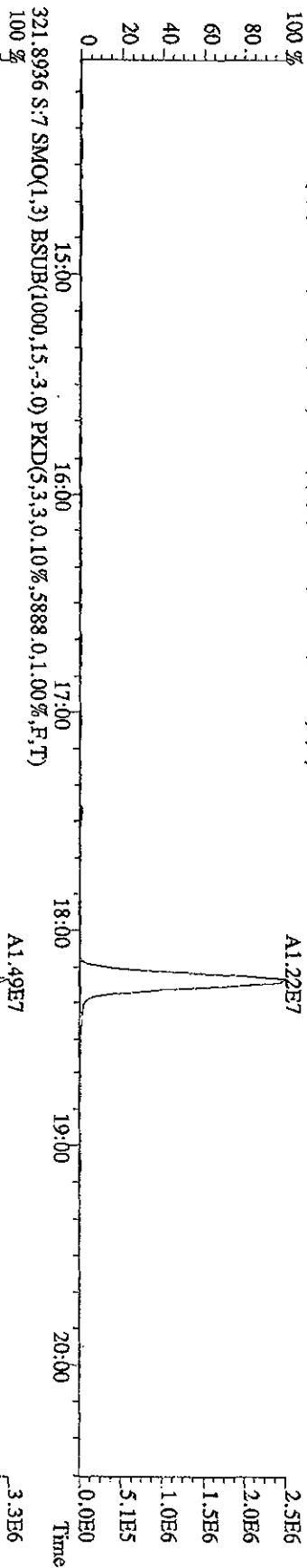
File: 14SEP10ID5 #1-196 Acq: 14-SEP-2010 13:28:23 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST0914C :CSS 10DXN339 Exp: DIOXINRES
 454.9728 S:5 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



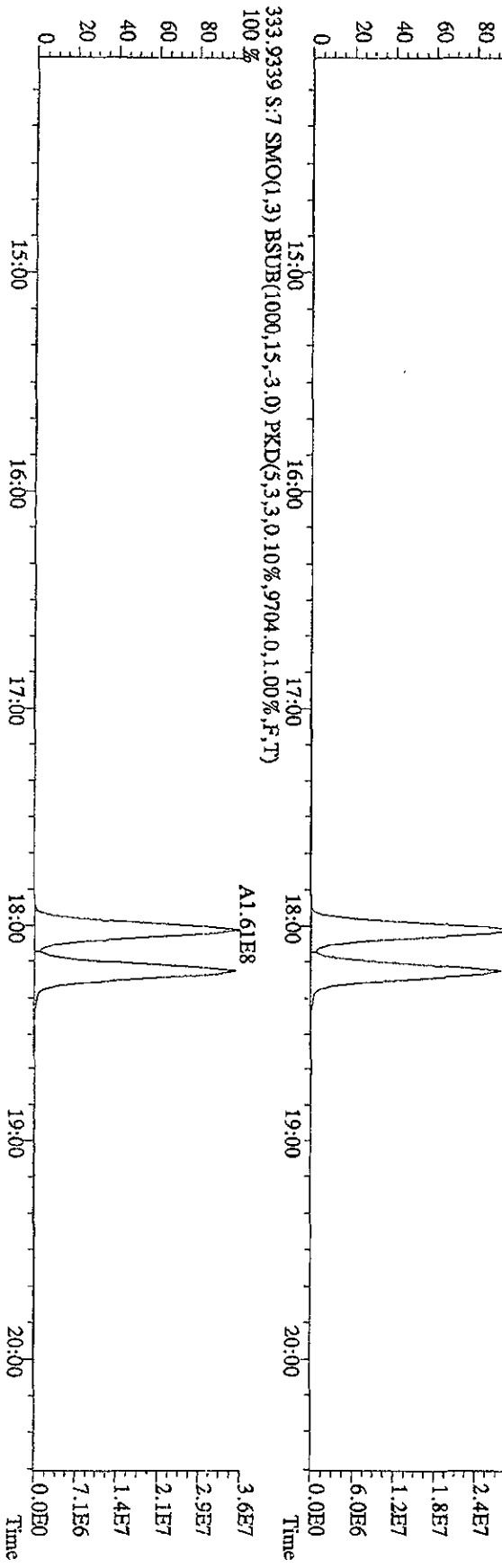
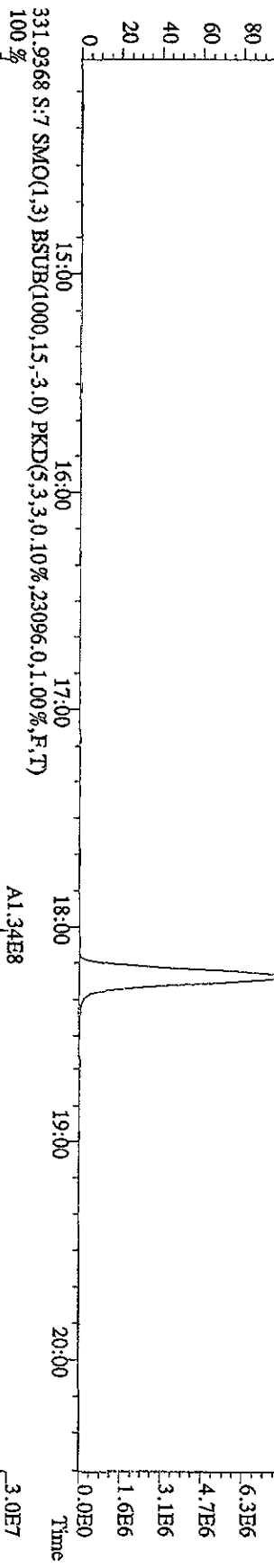
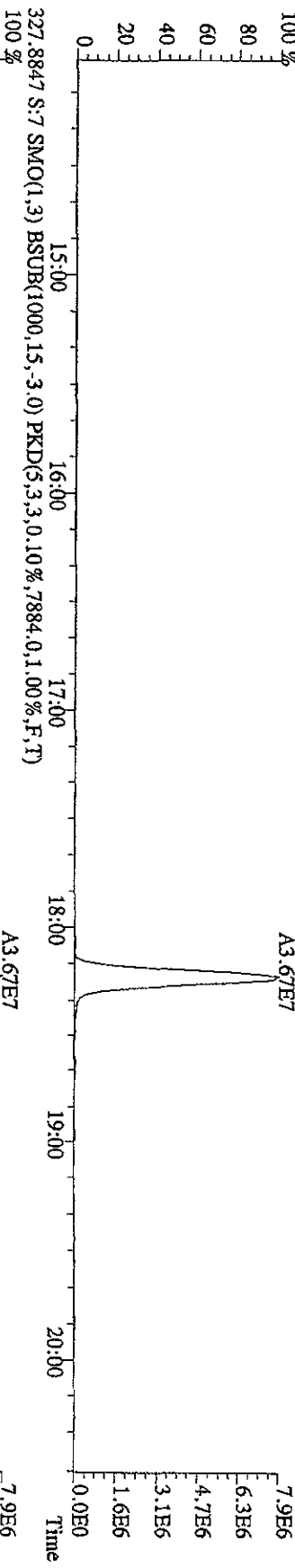
File: 14SE101D5 #1-382 Acq: 14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
 Sample#7 Text: ST0914E 2nd Source 10DXN340 Exp: DIOXINRES
 303.9016 S: 7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3664,0,1,00%,F,T)
 100%



File: 14SE101DS #1-382 Acq: 14-SEP-2010 14:54:17 GC EI+ Voltage SFR 70SE
Sample#7 Text: ST0914E 2nd Source 10DXN340 Exp: DIOXINRES
319.8965 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4208,0,1,00%,F,T)



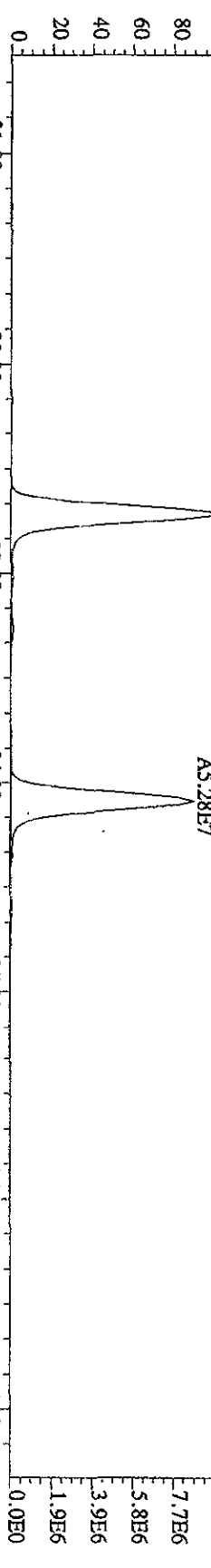
File: 14SEP101D5 #1-382 Acq: 14-SEP-2010 14:54:17 GC EI+ Voltage SR 70SE
 Sample#7 Text: ST0914E : 2nd Source 10DXN340 Exp: DIOXINRES
 327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7884,0,1.00%,F,T)
 100%



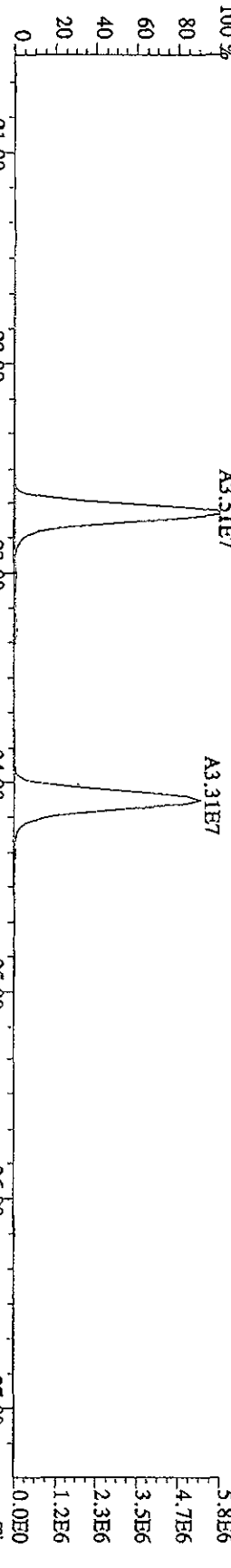
File: 14SE101D5 #1-423 Acq: 14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE

Sample#7 Text: ST0914E : 2nd Source 10DXN340 Exp: DIOXINRES

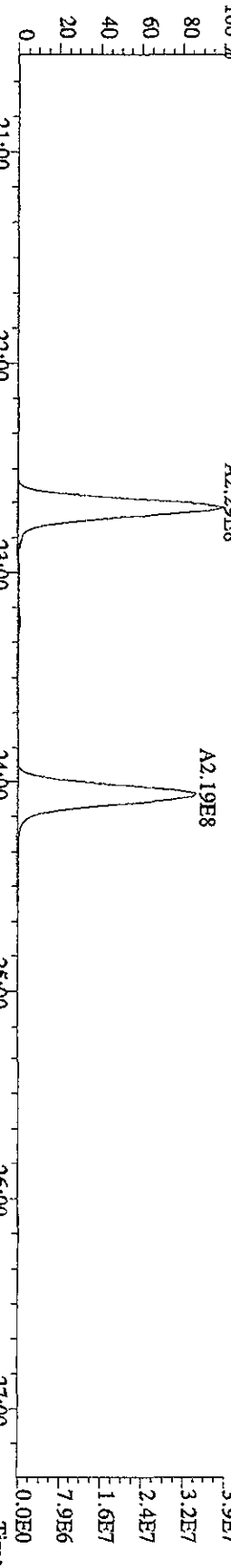
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5912.0,1.00%,F,T) A5.68E7



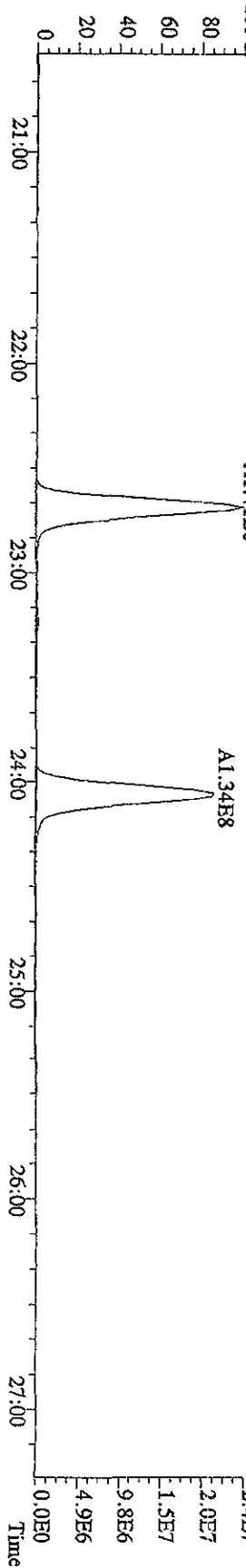
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5788.0,1.00%,F,T) A3.51E7



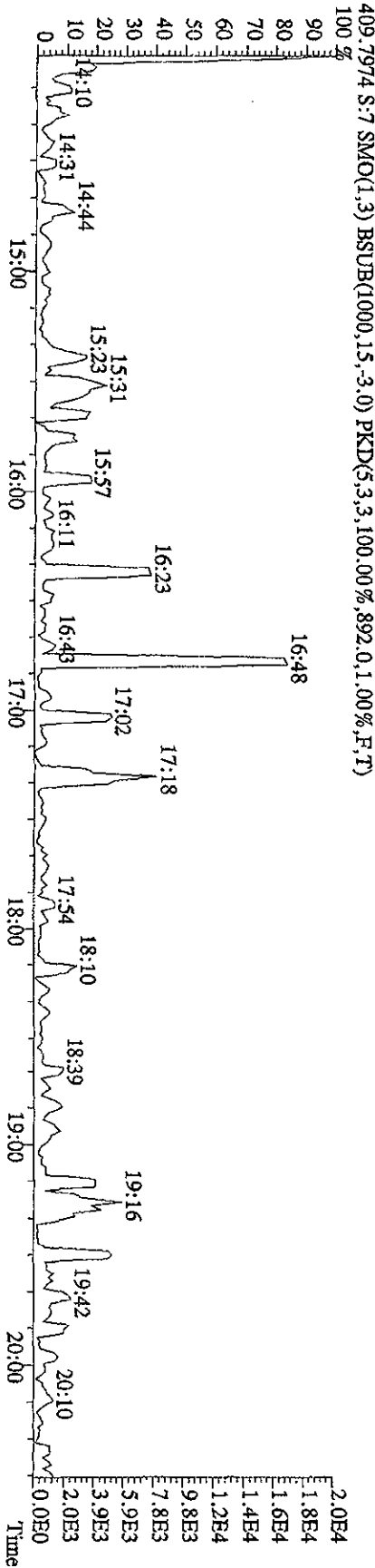
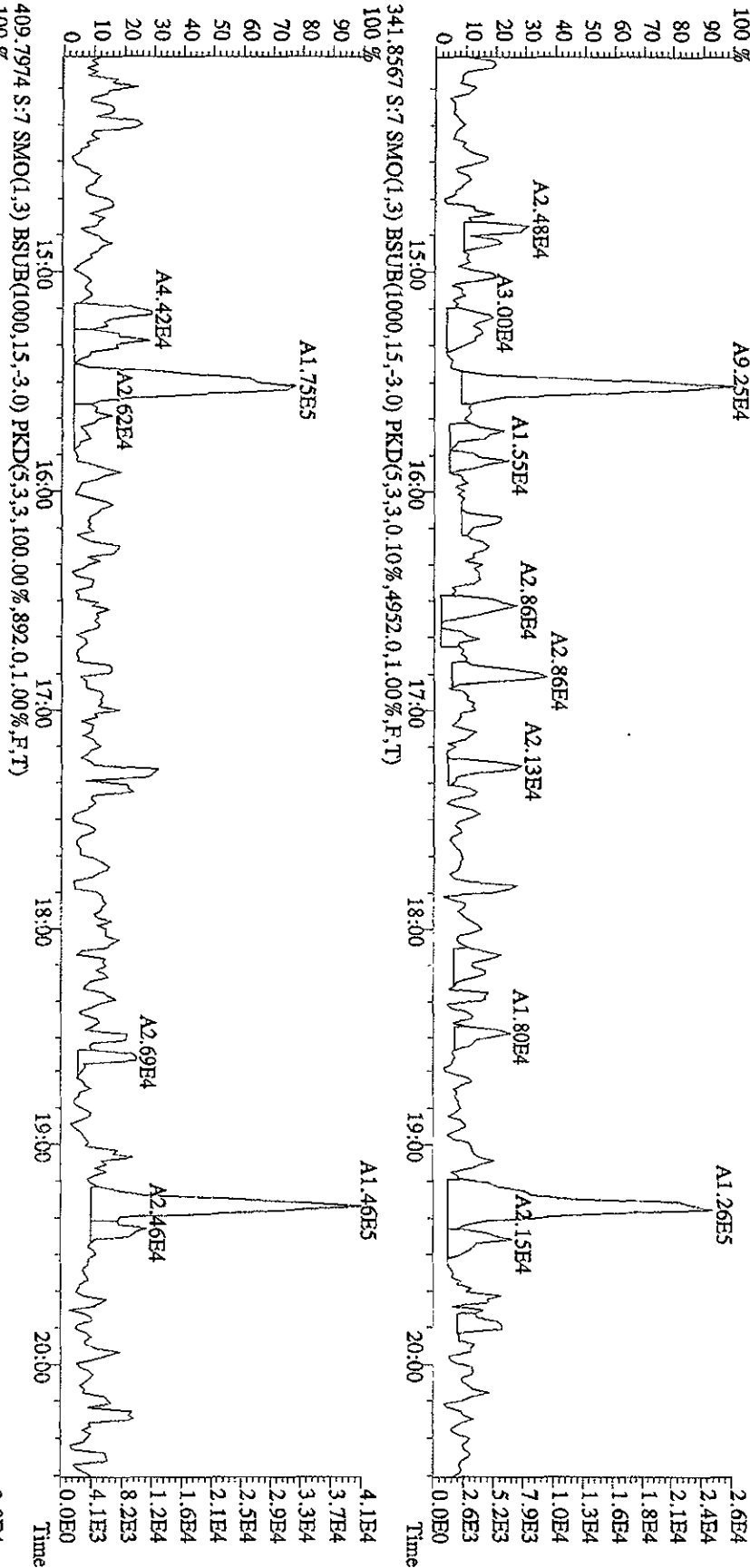
351.9000 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11900.0,1.00%,F,T) A2.29E8



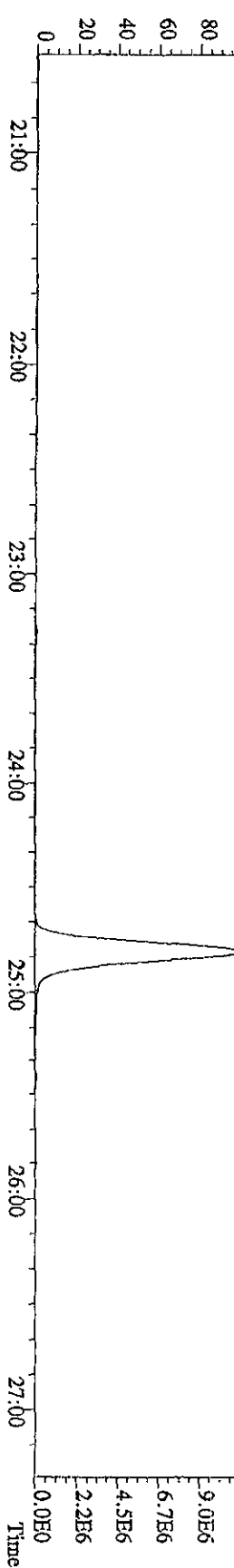
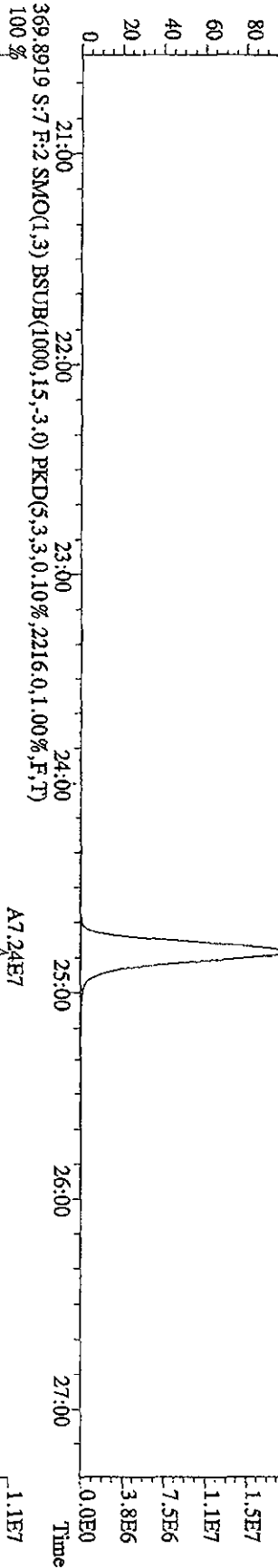
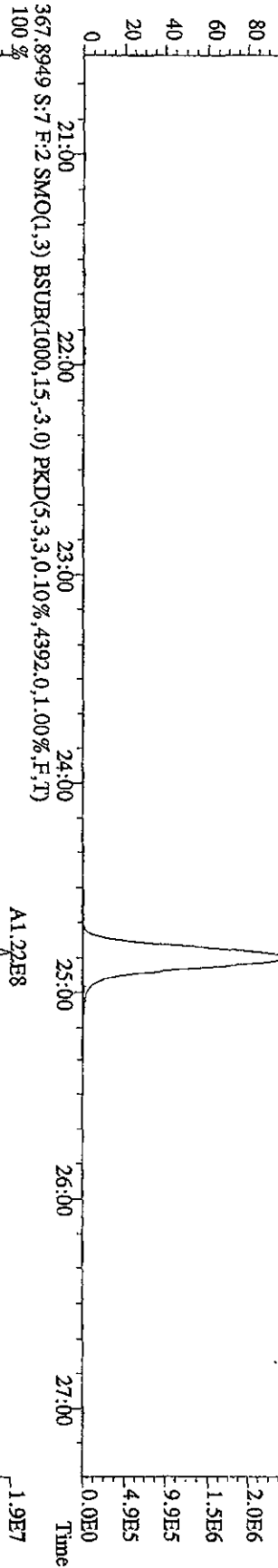
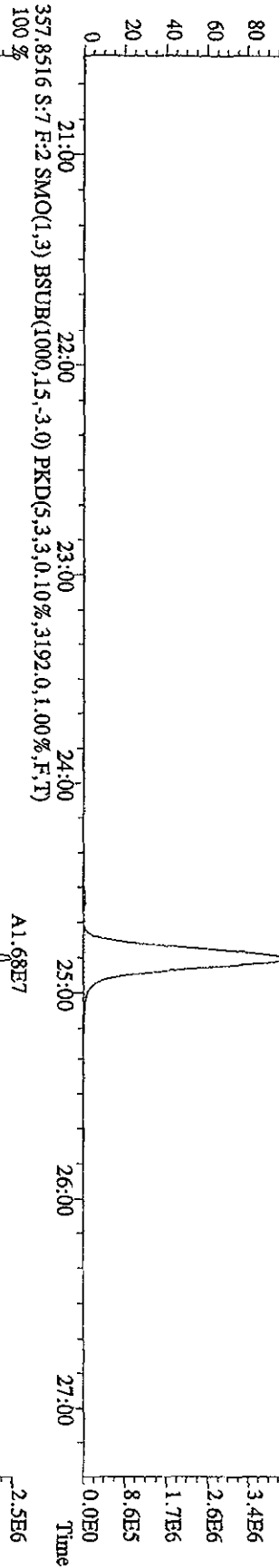
353.8970 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7196.0,1.00%,F,T) A1.41E8



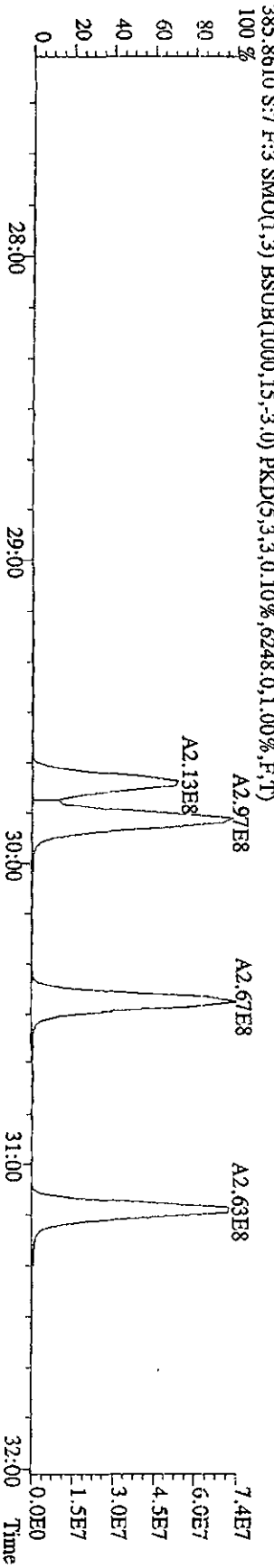
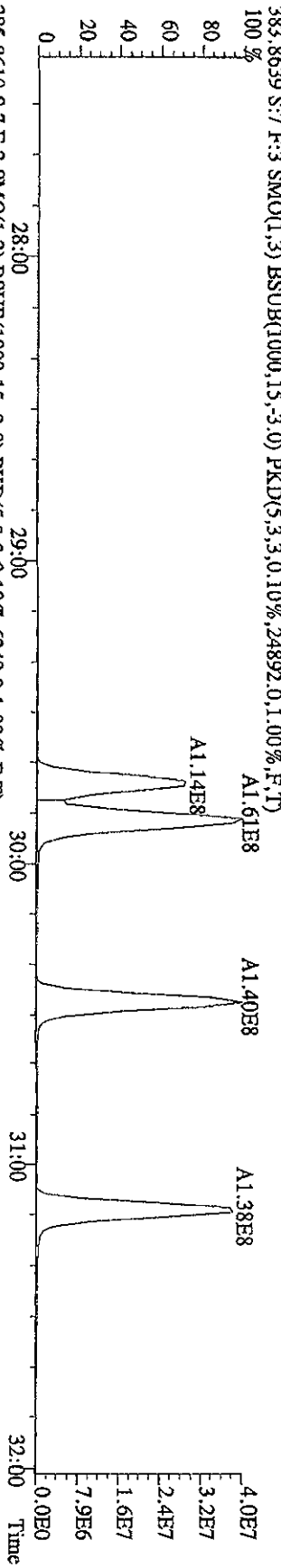
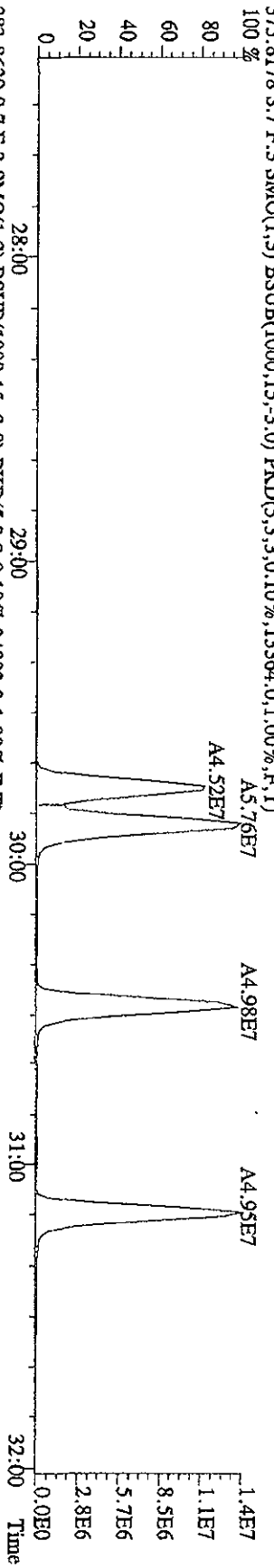
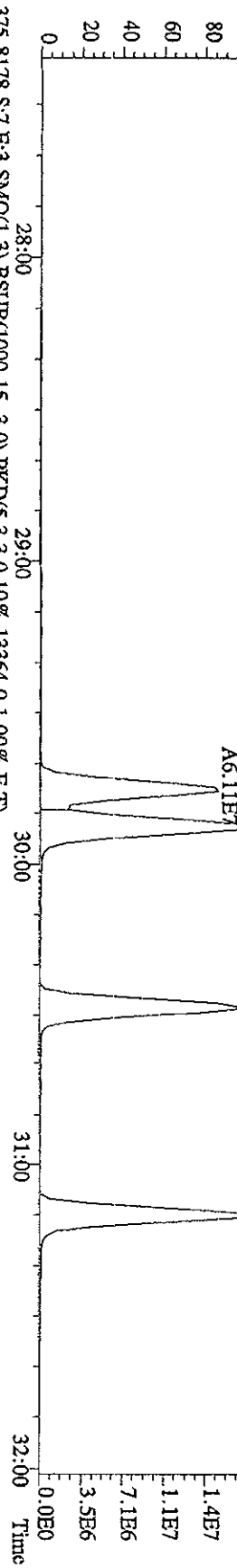
File:14SEP10ID5 #1-382 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage STR 70SE
Sample#7 Text:ST0914E 2nd Source 10DXN340 Exp:DIOXINRES
339.8597 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.3224,0,1,00%,F,T)
100% A9.25E4



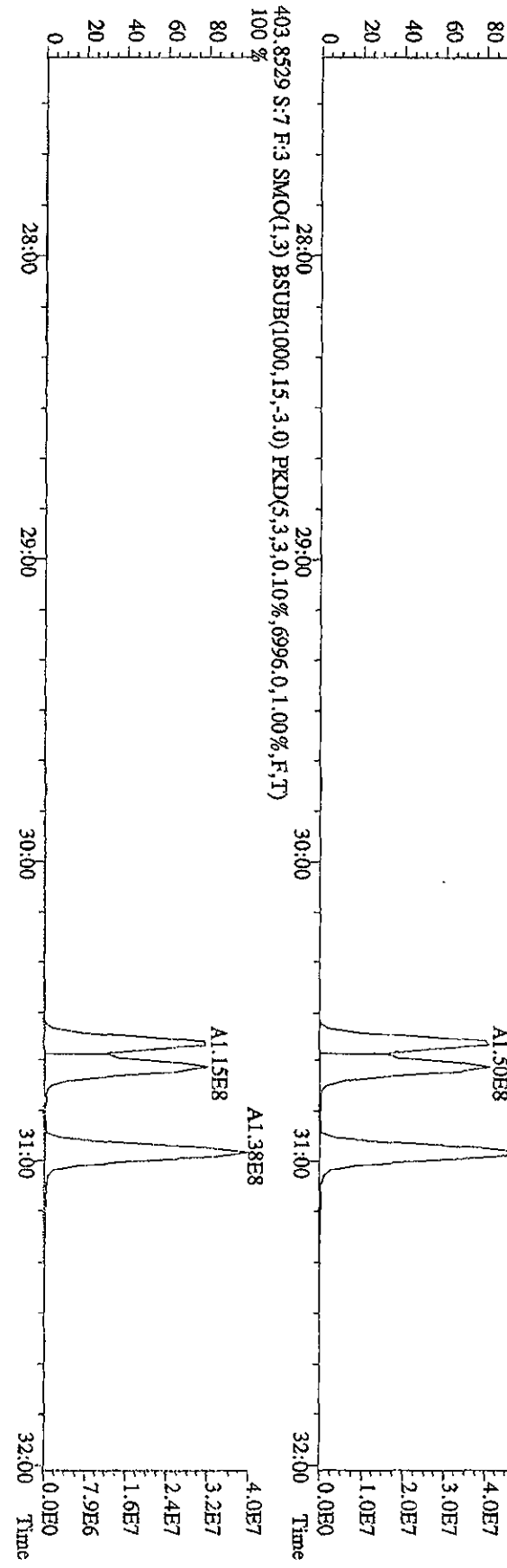
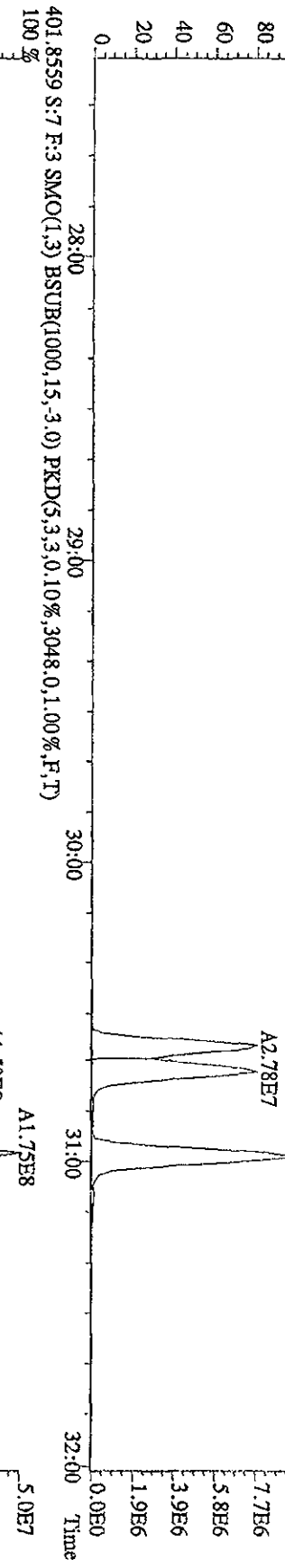
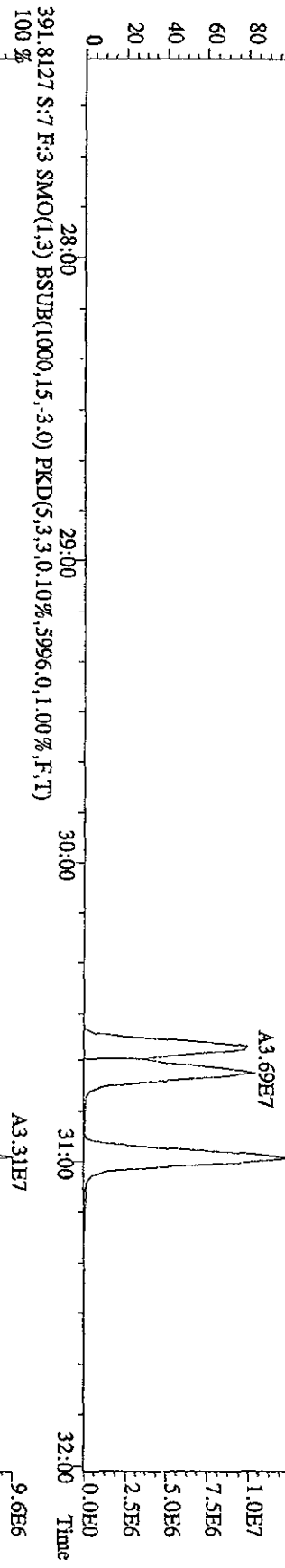
File: 14SE101D5 #1-423 Acq: 14-SEP-2010 14:54:17 GC EI+ Voltage 51V 70SE
 Sample#7 Text: ST0914E 2nd Source 10DXN340 Exp: DIOXINRES
 355.8546 S: 7 F: 2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5280,0.1,00%,F,T)
 100%



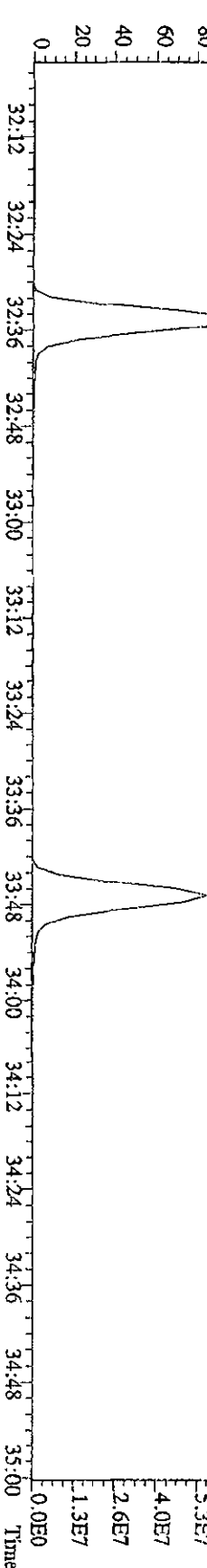
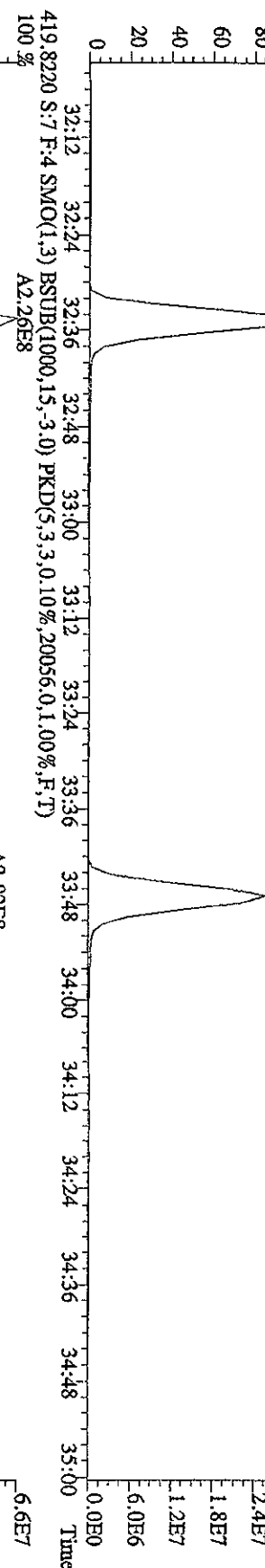
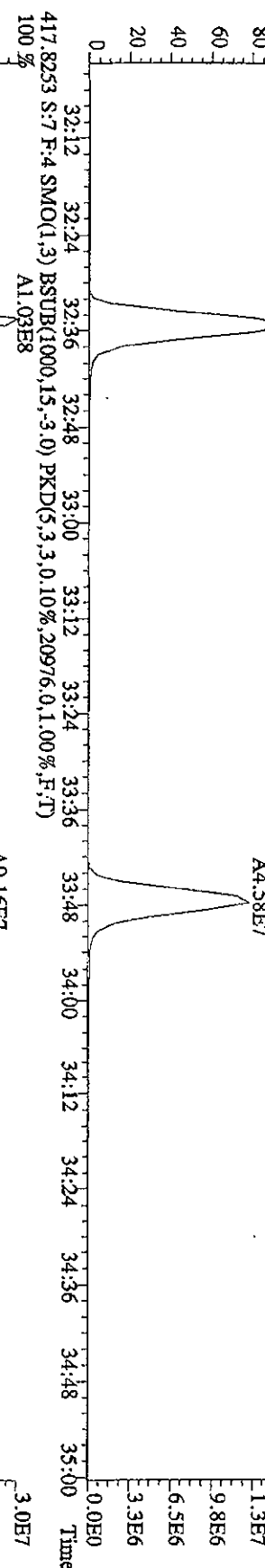
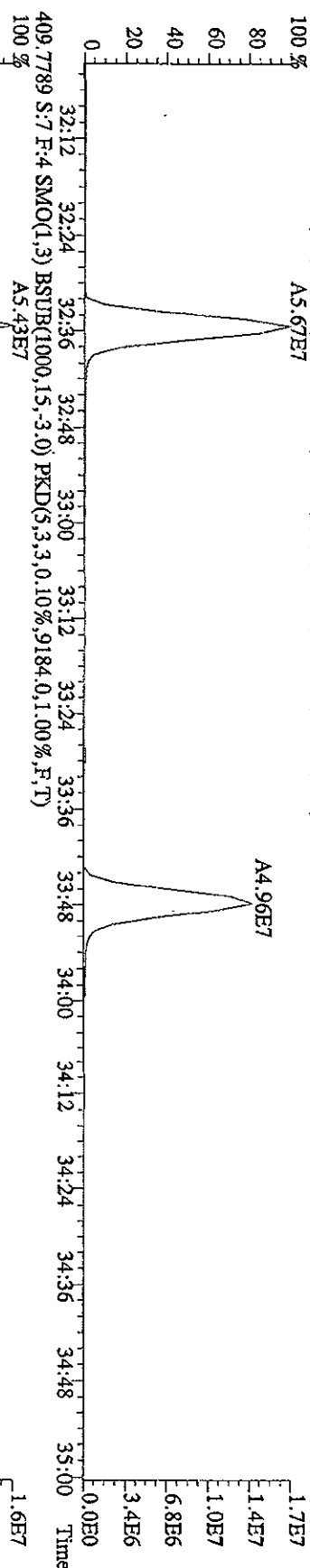
File:14SEI01D5 #1-301 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST0914E 2nd Source 10DXN340 Exp:DIOXINRES
 373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13860,0,1,00%,F,T)



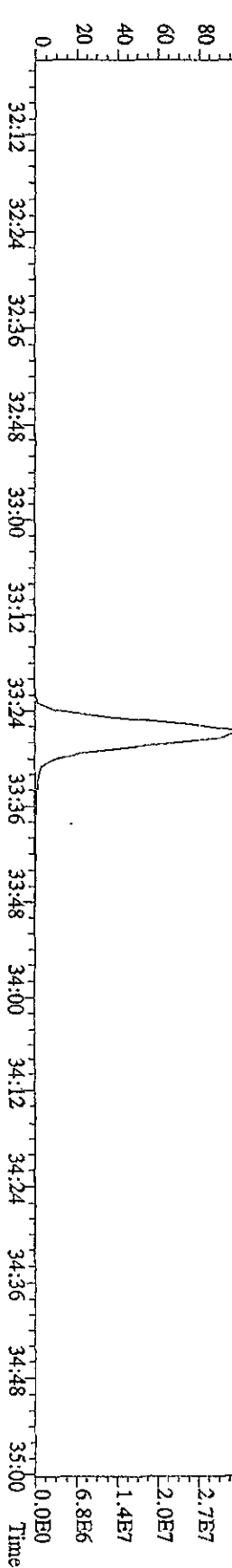
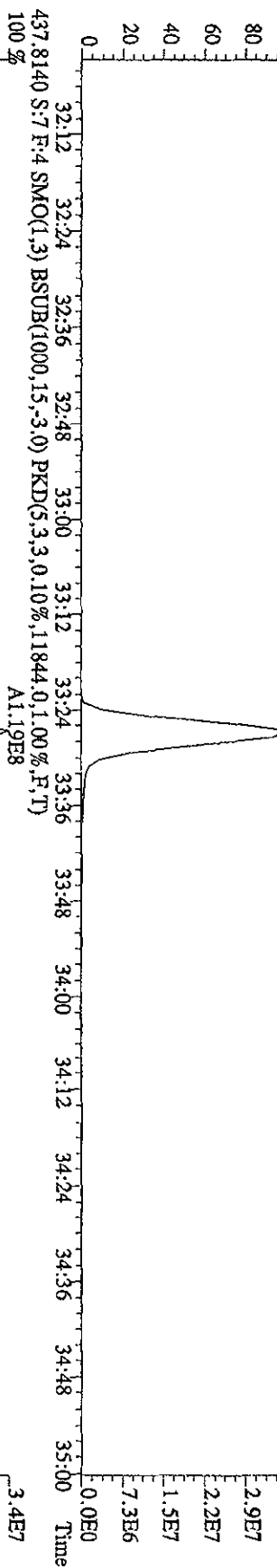
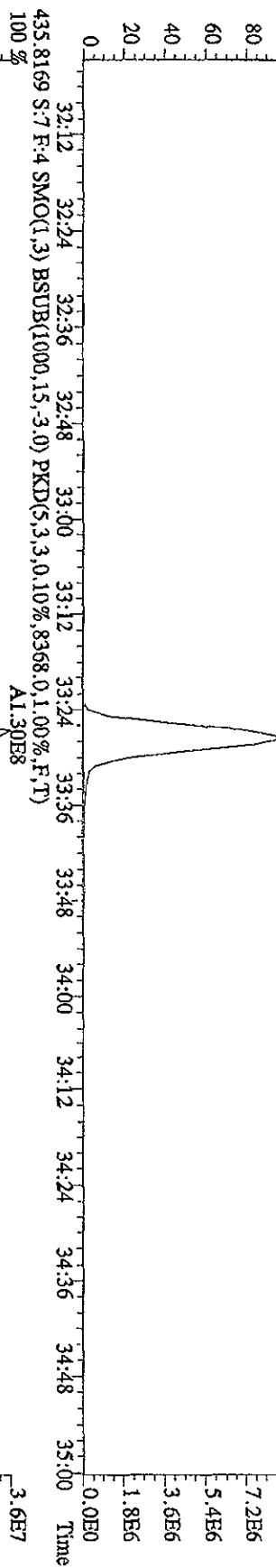
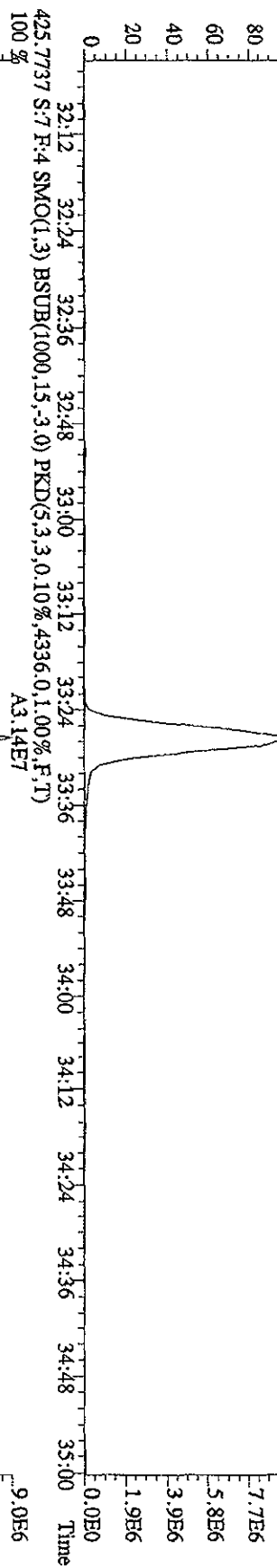
File:14SE101D5 #1-301 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage 51R 70SE
 Sample#7 Text:ST0914E 2nd Source 10DXN340 Exp:DIOXINRES
 389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3556,0,1.00%,F,T) 100%



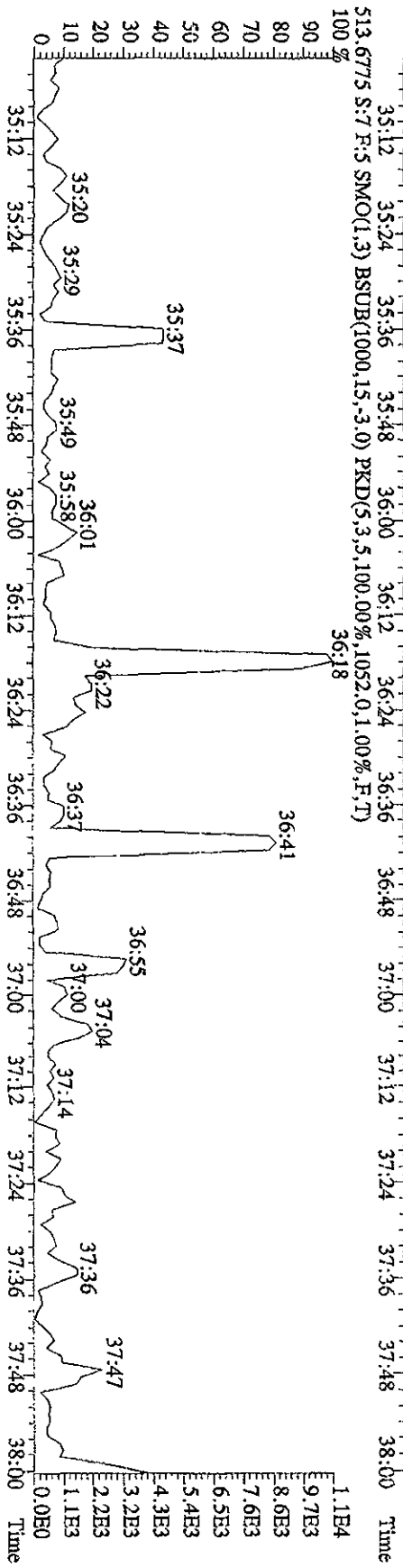
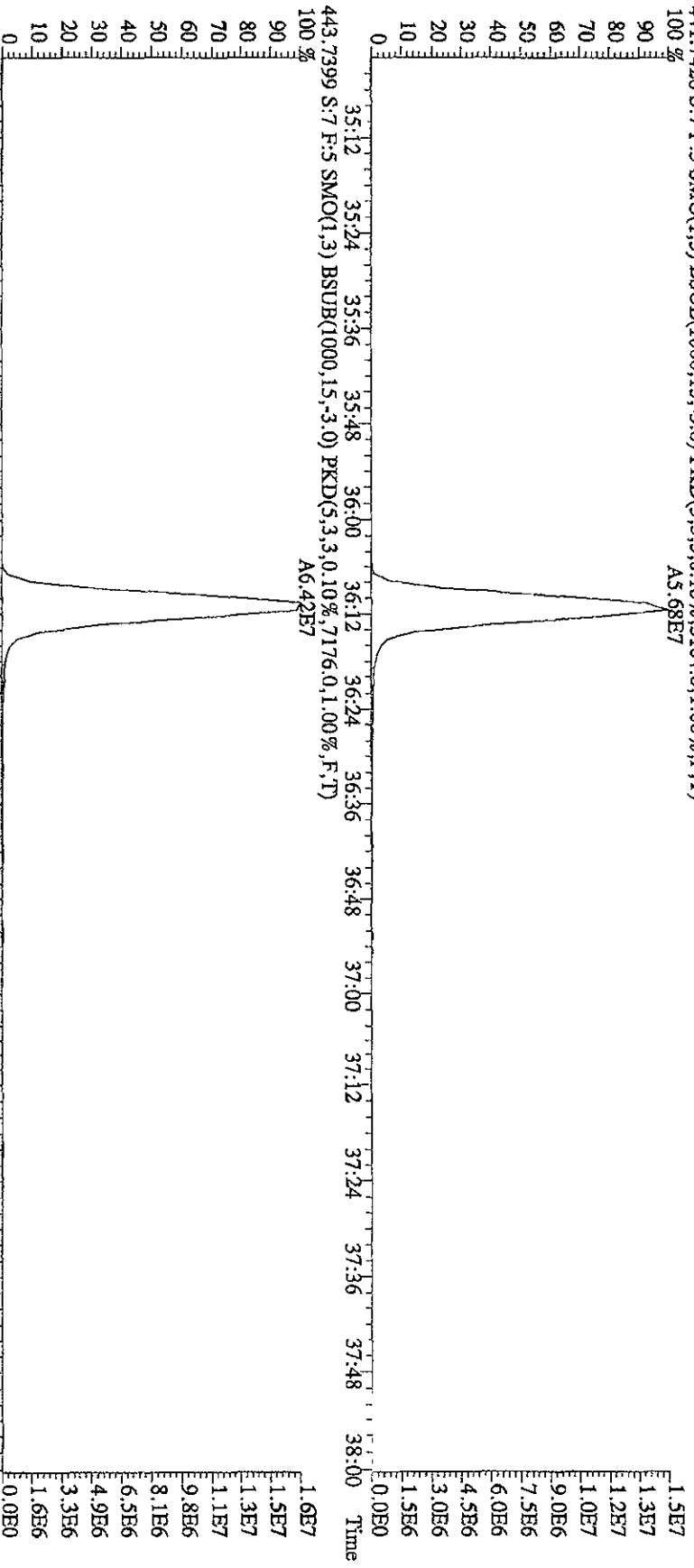
File:14SE101D5 #1-202 Acq:14-SEP-2010 14:54:17 GC:EI + Voltage S1R 70SE
 Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
 407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13372.0,1.00%,F,T)
 100 %



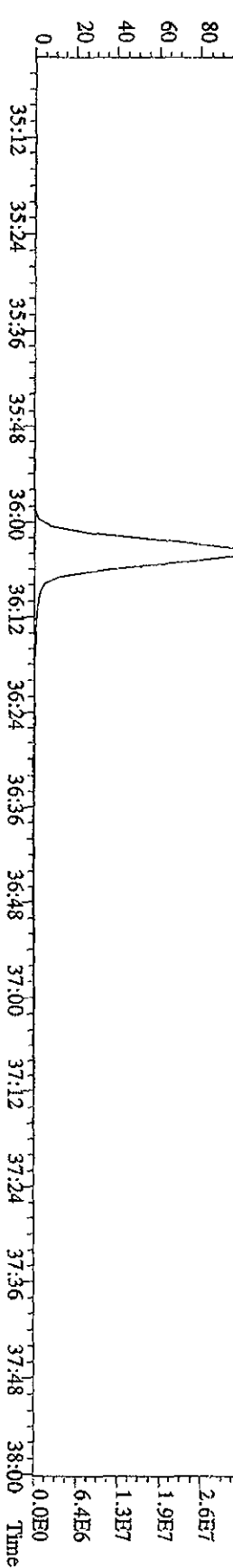
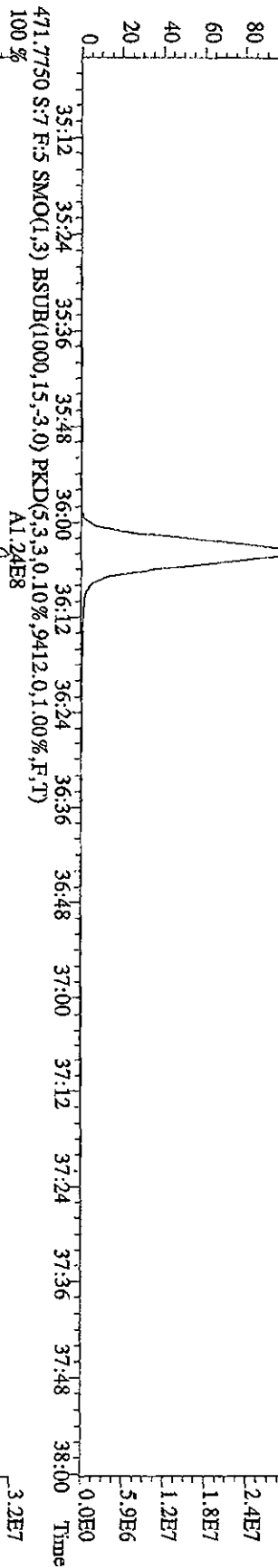
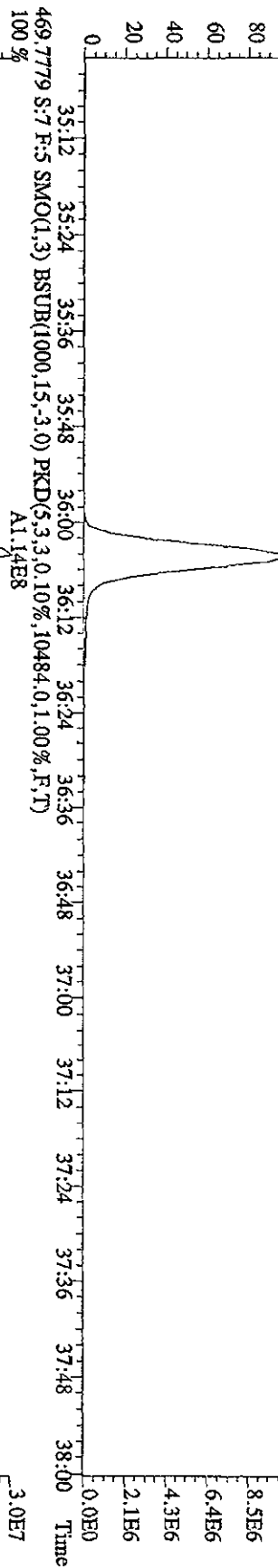
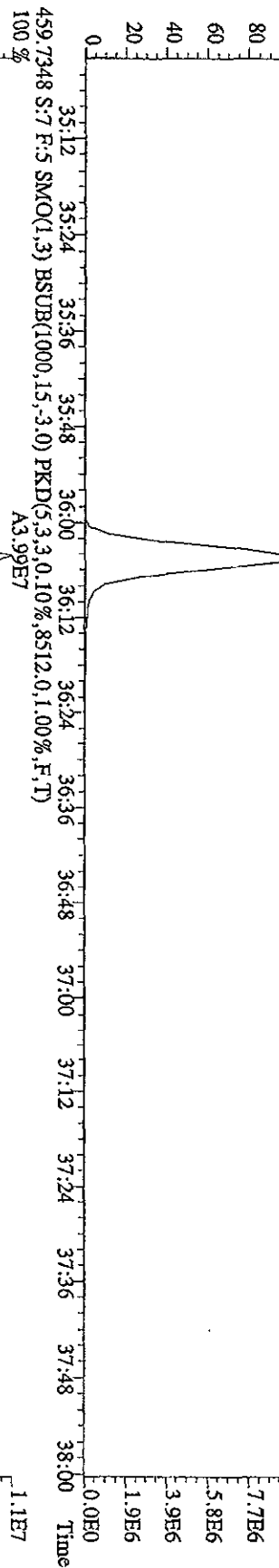
File:14SE101D5 #1-202 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
 Sample#7 Test:ST0914E :2nd Source 10DXN340 Exp:DIOXINRES
 425.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,4408,0.1,00%,F,T)
 100% A3.38E7



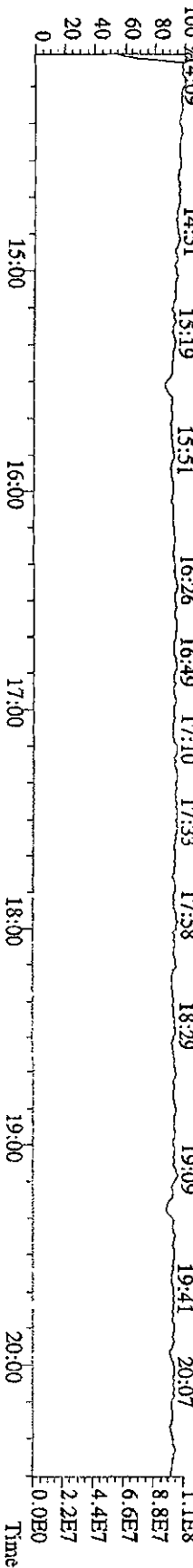
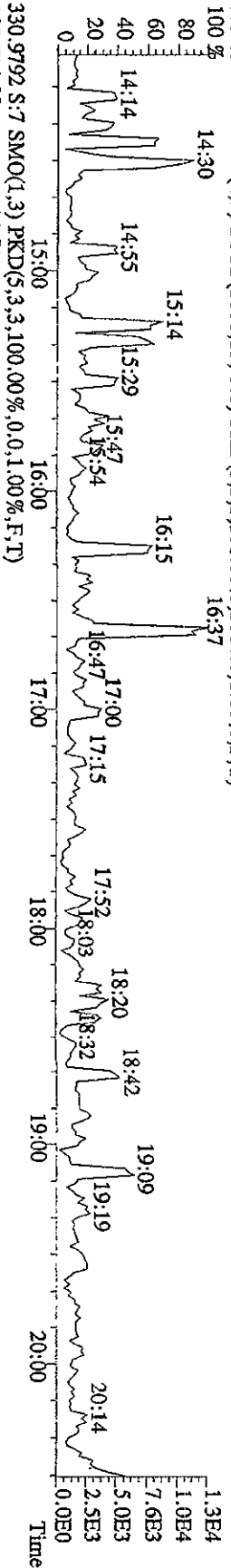
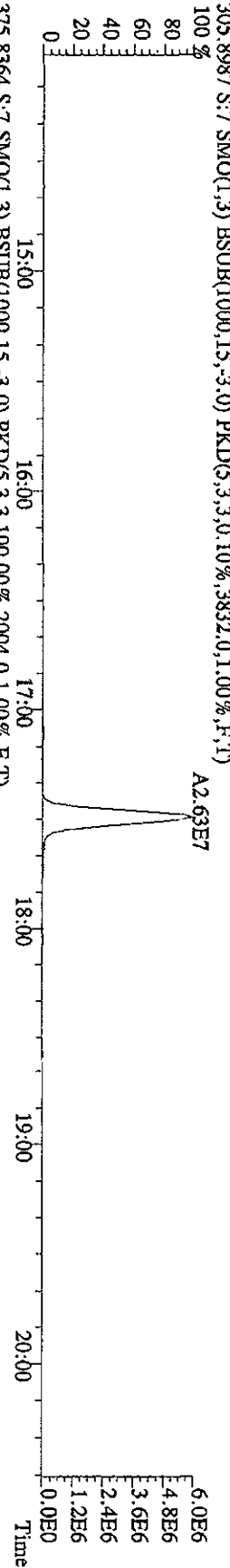
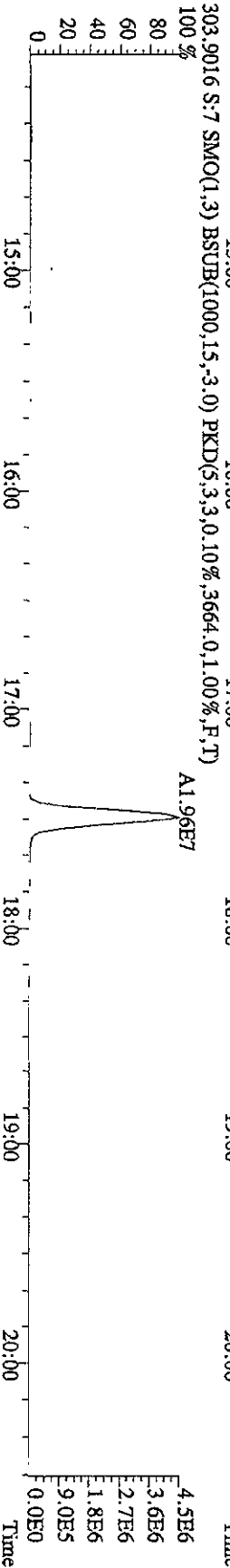
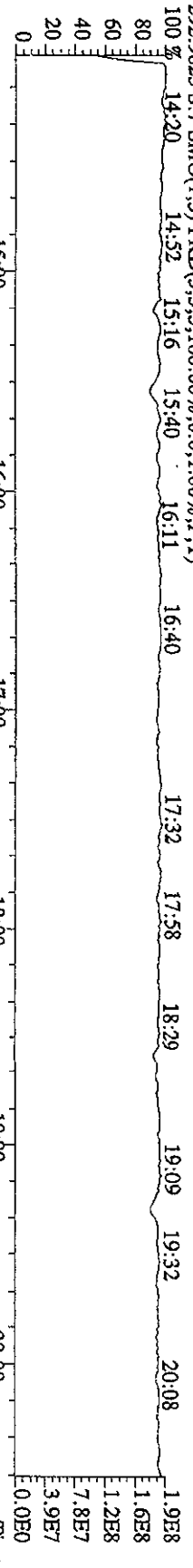
File: 14SEI01D5 #1-196 Acq: 14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
 Sample#7 Text: ST0914E 2nd Source 10DXN340 Exp: DIOXINRES
 441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5104.0,1.00%,F,T)
 100% A5.69E7



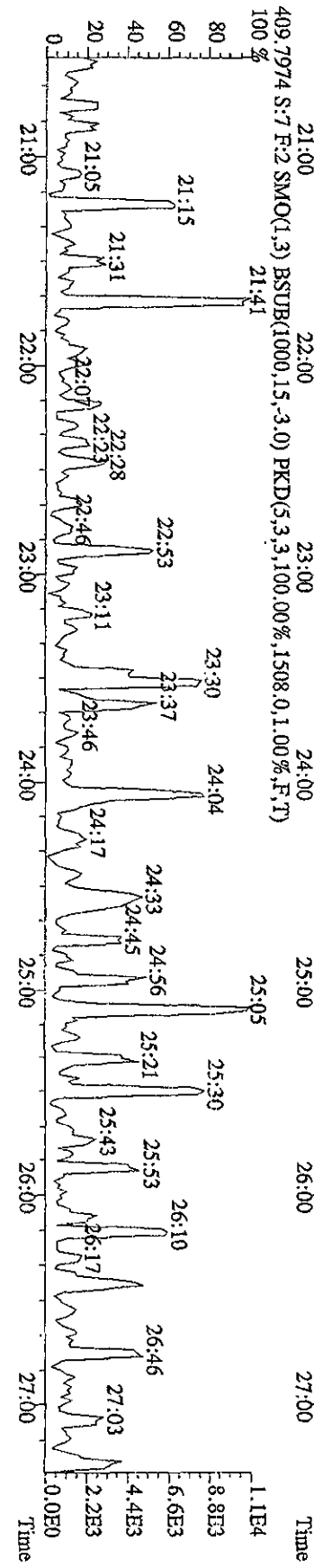
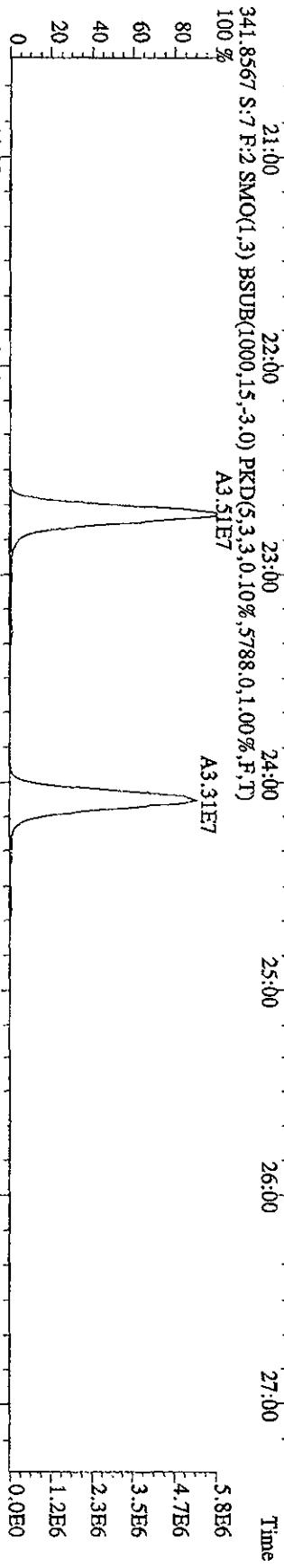
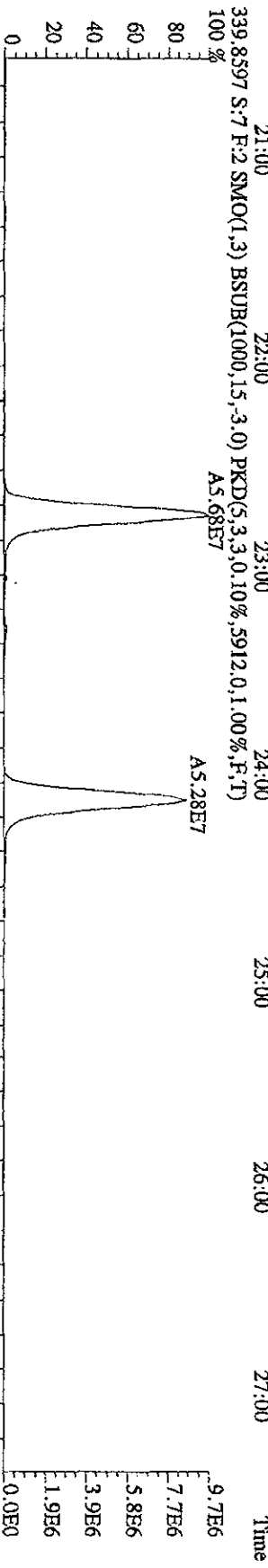
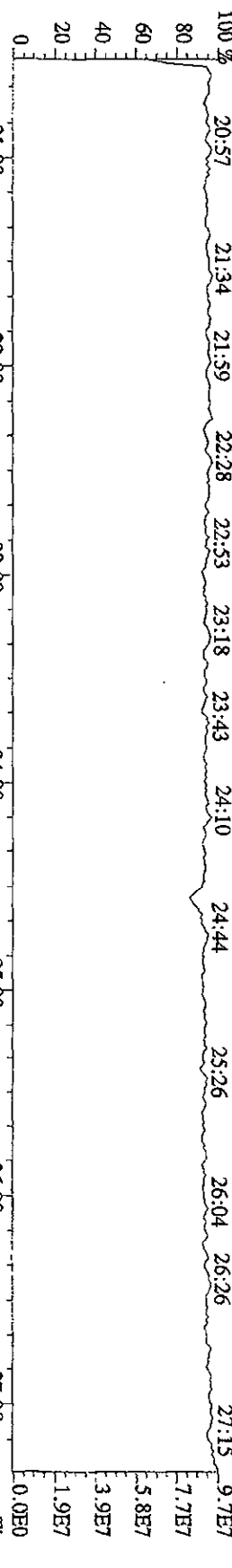
File: 14SE101D5 #1-196 Acq: 14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
 Sample#7 Text: ST0914E 2nd Source 10DXN340 Exp: DIOXINRES
 457.7377 S: 7 F: 5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3928,0.1,00%,F,T)
 100%



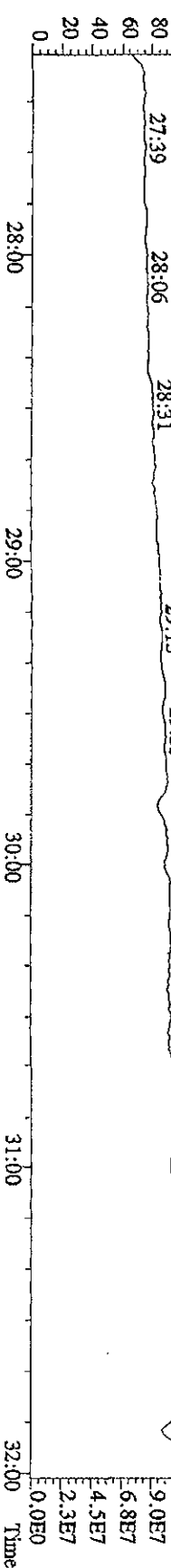
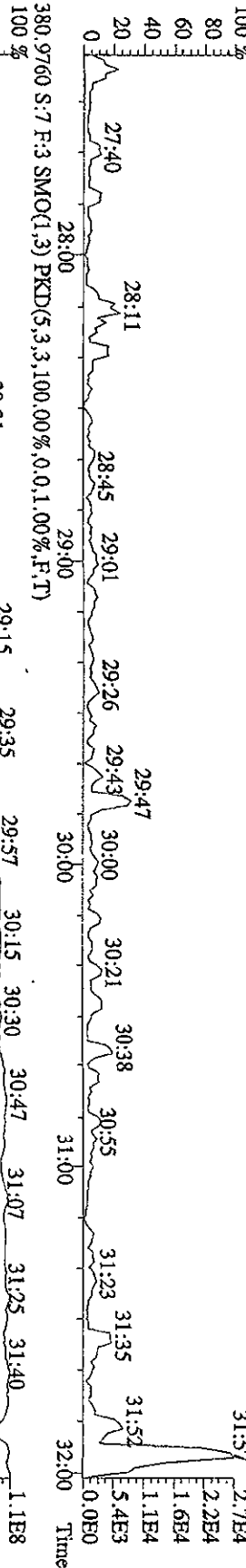
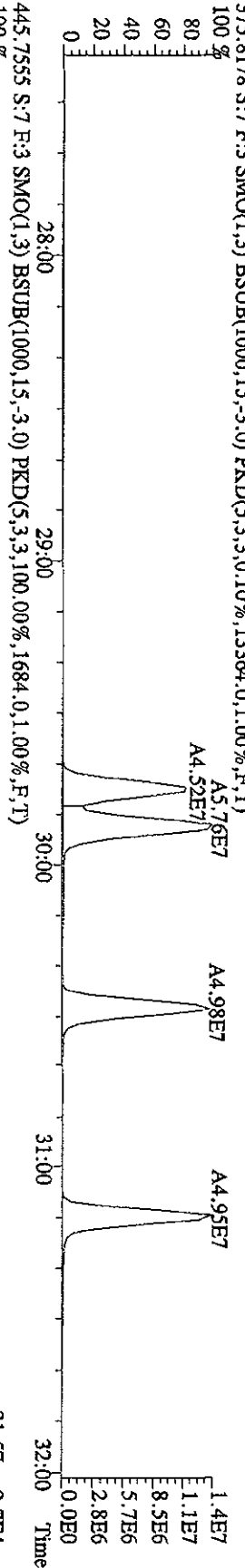
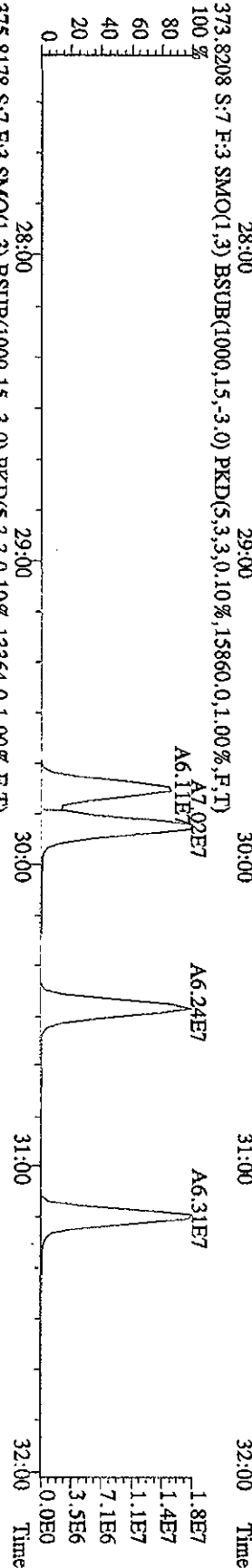
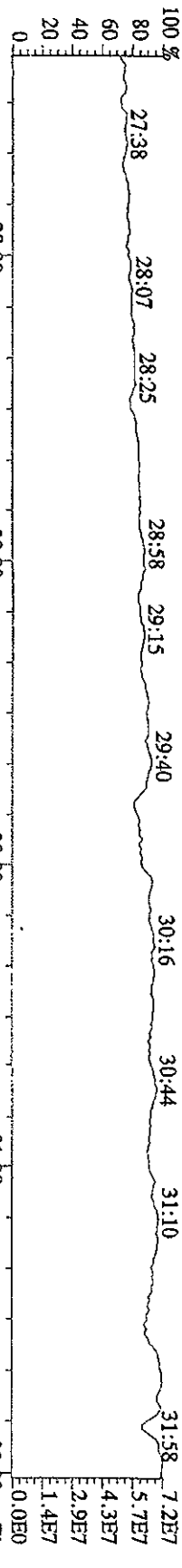
File:14SEI01D5 #1-382 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST0914E 2nd Source 10DXN340 Exp:DIOXINRES



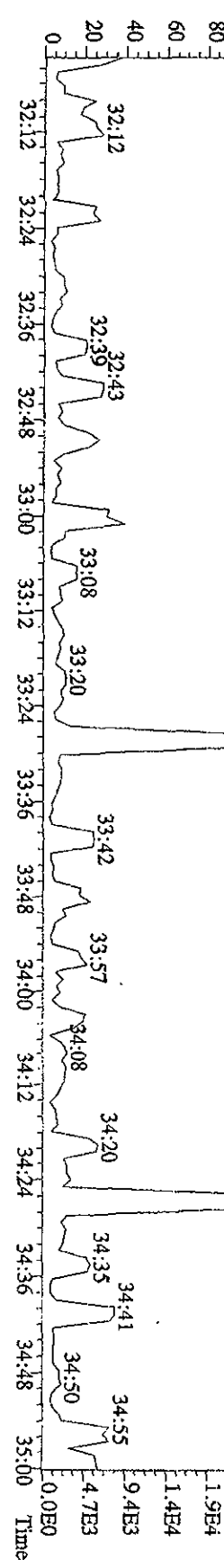
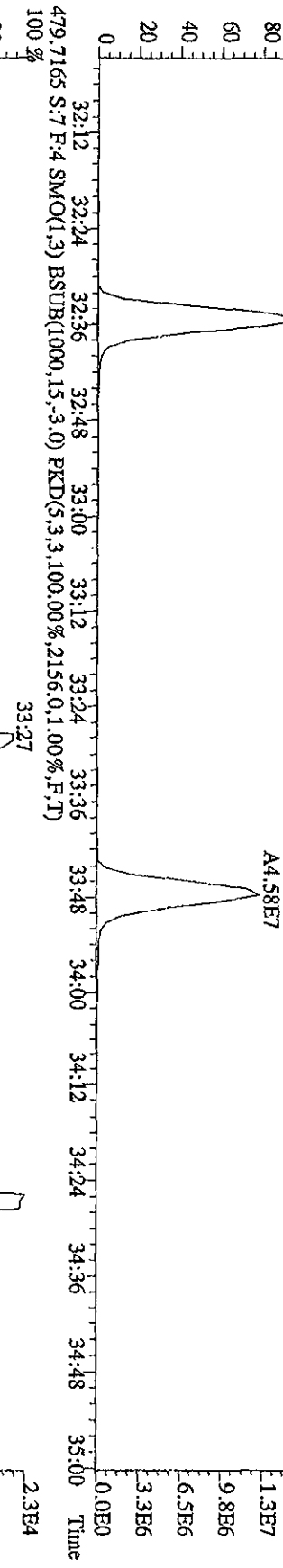
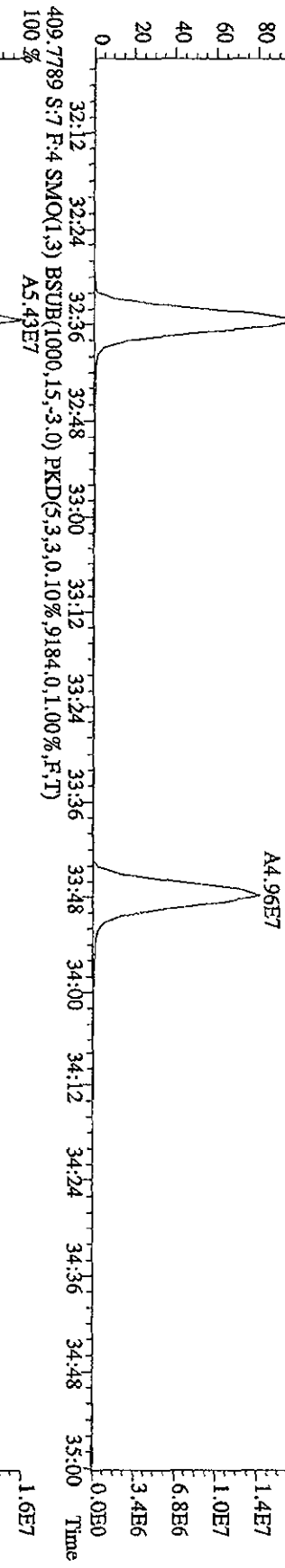
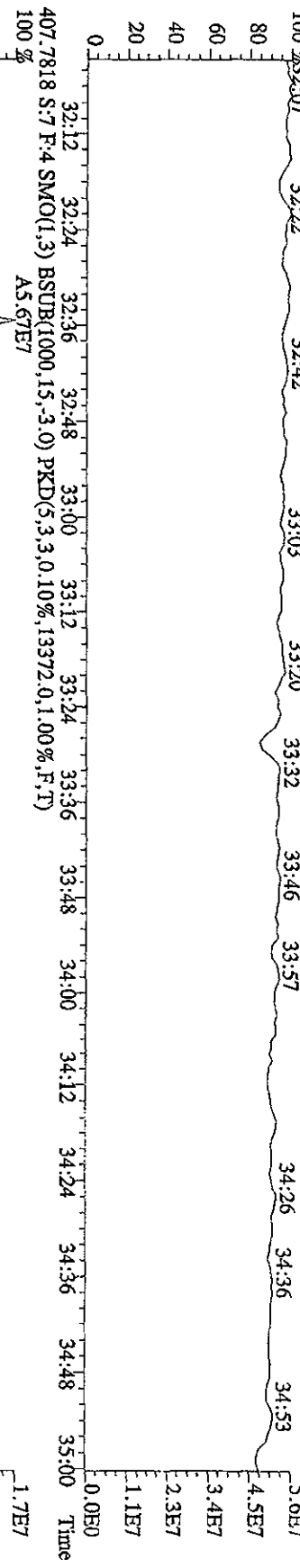
File:14SE101D5 #1423 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage STR 70SE
 Sample#7 Text:ST0914E 2nd Source 10DXN340 Exp:DIOXINRES
 342.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



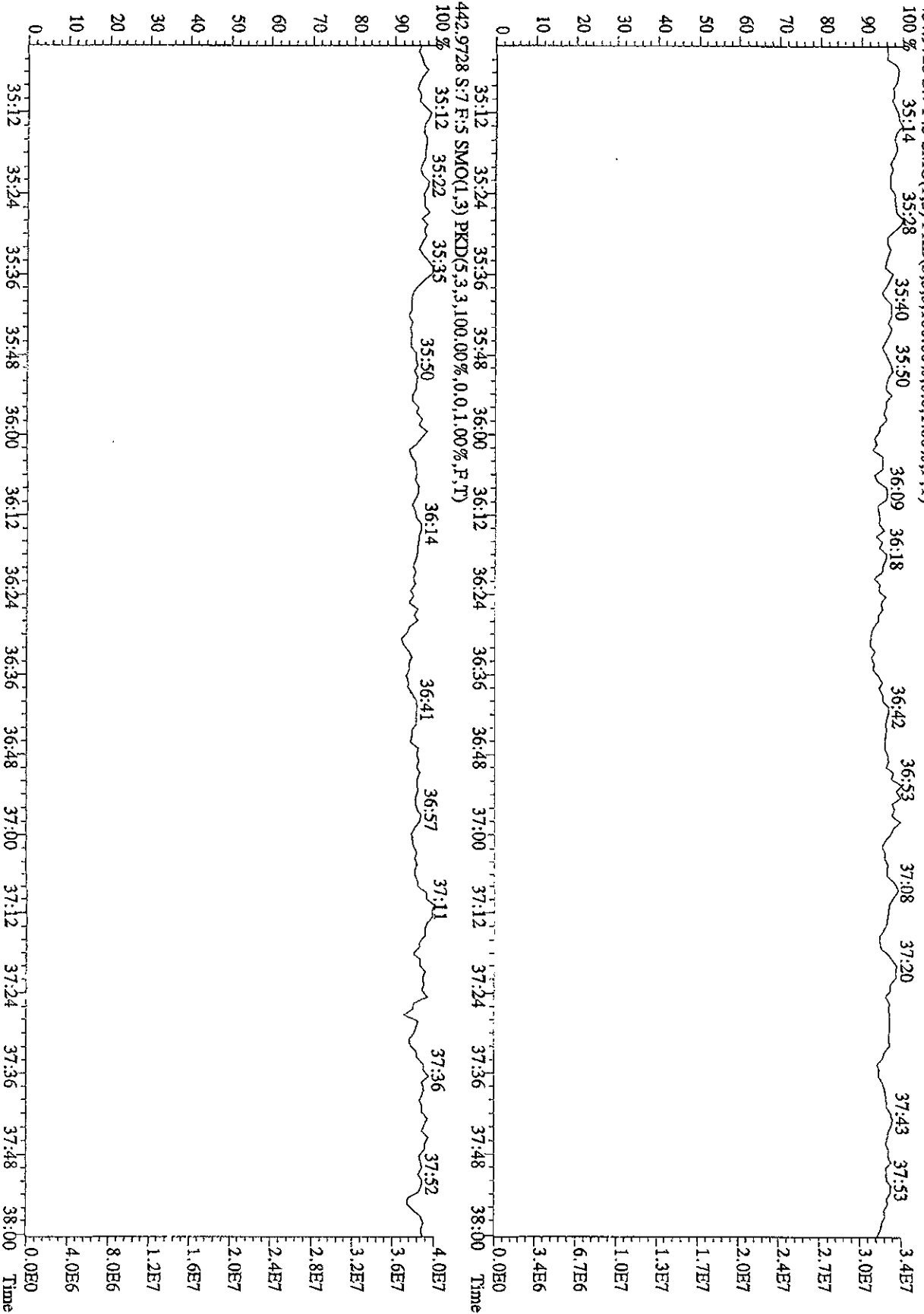
File:14SEI01D5 #1-301 Acq:14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST0914E :2nd Source 10DXN340 Exp:DI0XINRES
 392.9760 S:7 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



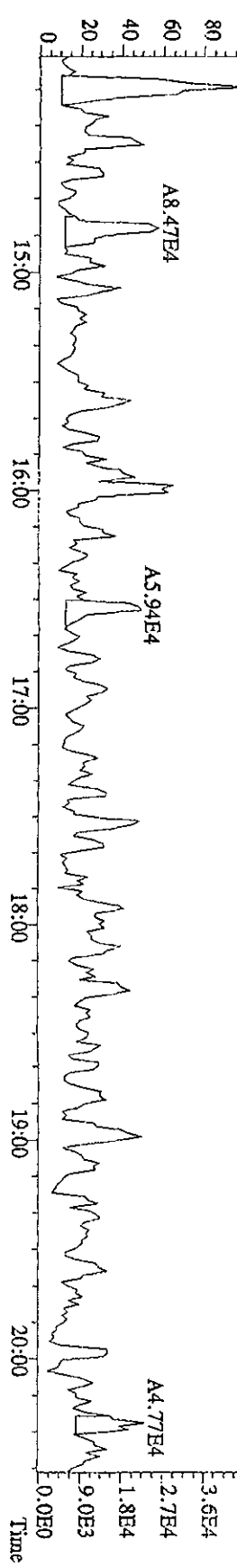
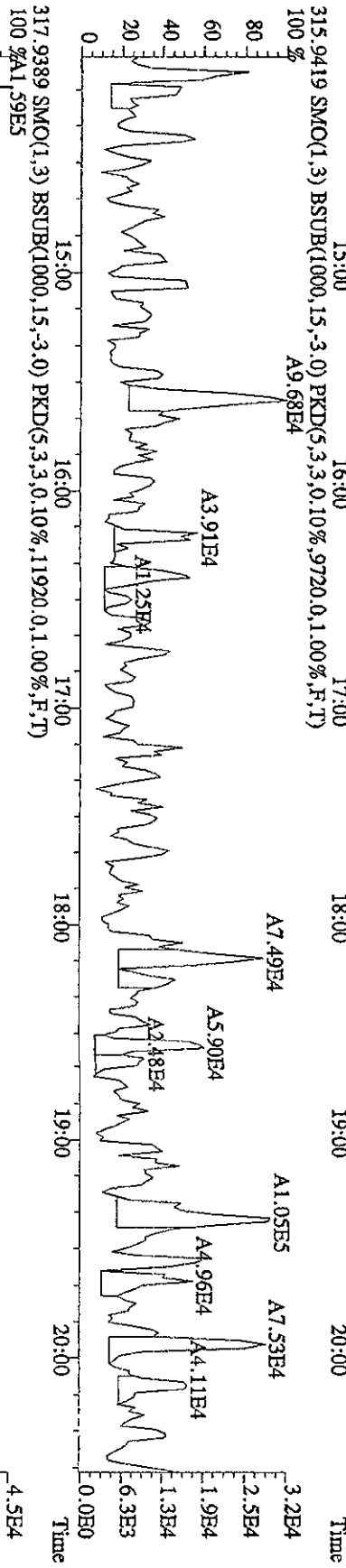
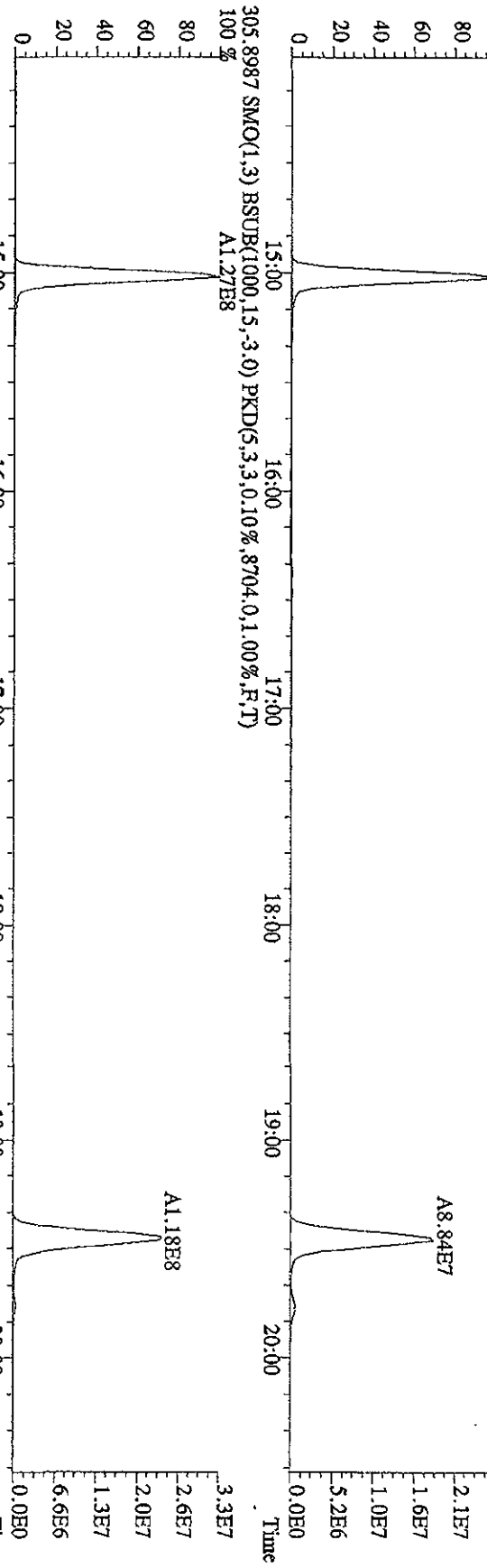
File: 14SE101D5 #1-202 Acq: 14-SEP-2010 14:54:17 GC EI+ Voltage SIR 705E
 Sample#7 Text: ST0914E 2nd Source 10DXN340 Exp: DIOXINRES
 430.9728 S:7 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 32.07 32.22 32.42 33.03 33.20 33.32 33.46 33.57 34.26 34.36 34.53



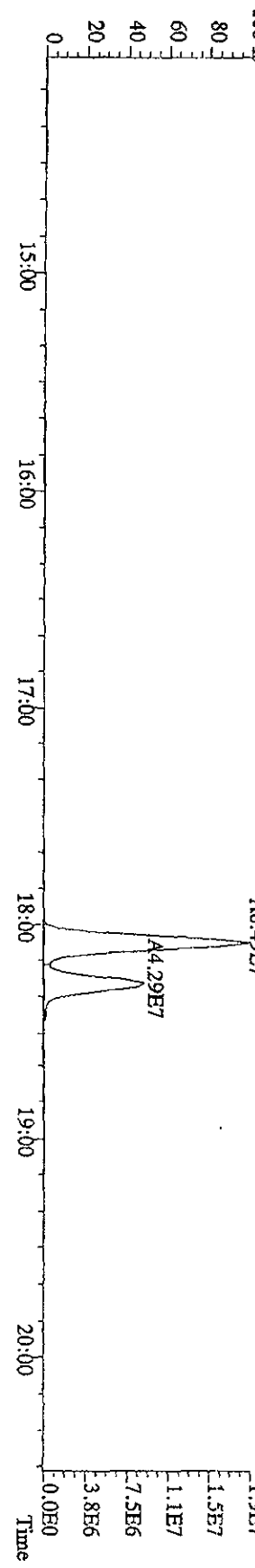
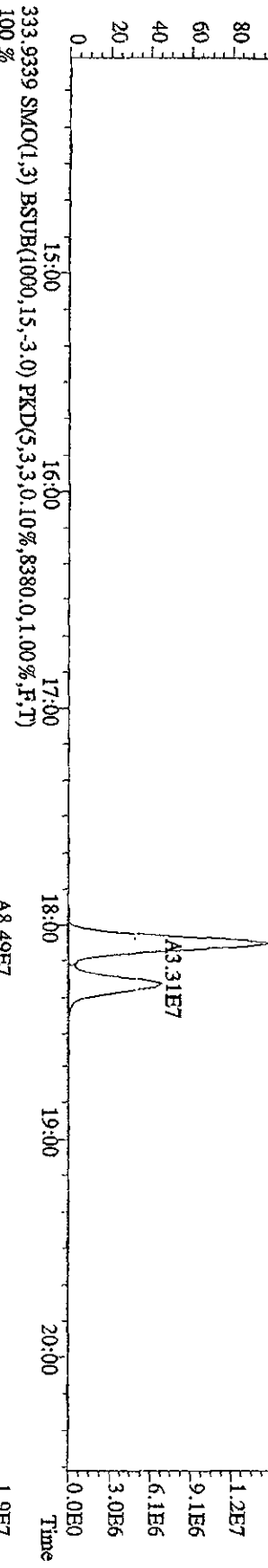
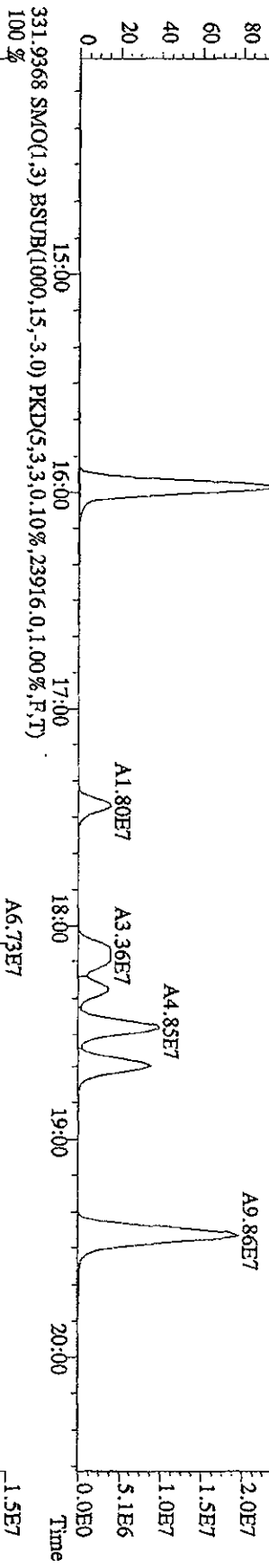
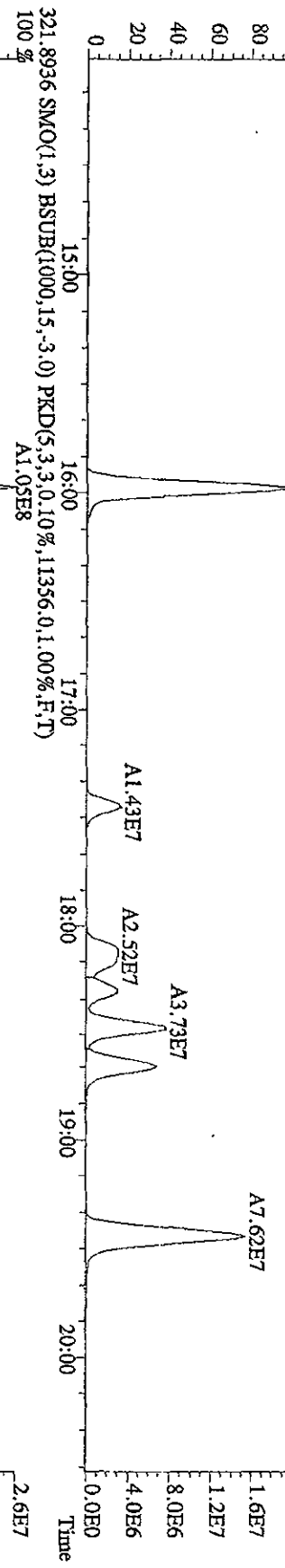
File: 14SEI01D5 #1-196 Acq: 14-SEP-2010 14:54:17 GC EI+ Voltage SIR 70SE
 Sample#7 Text: ST0914E 2nd Source 10DXN340 Exp: DIOXINRES
 454,9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



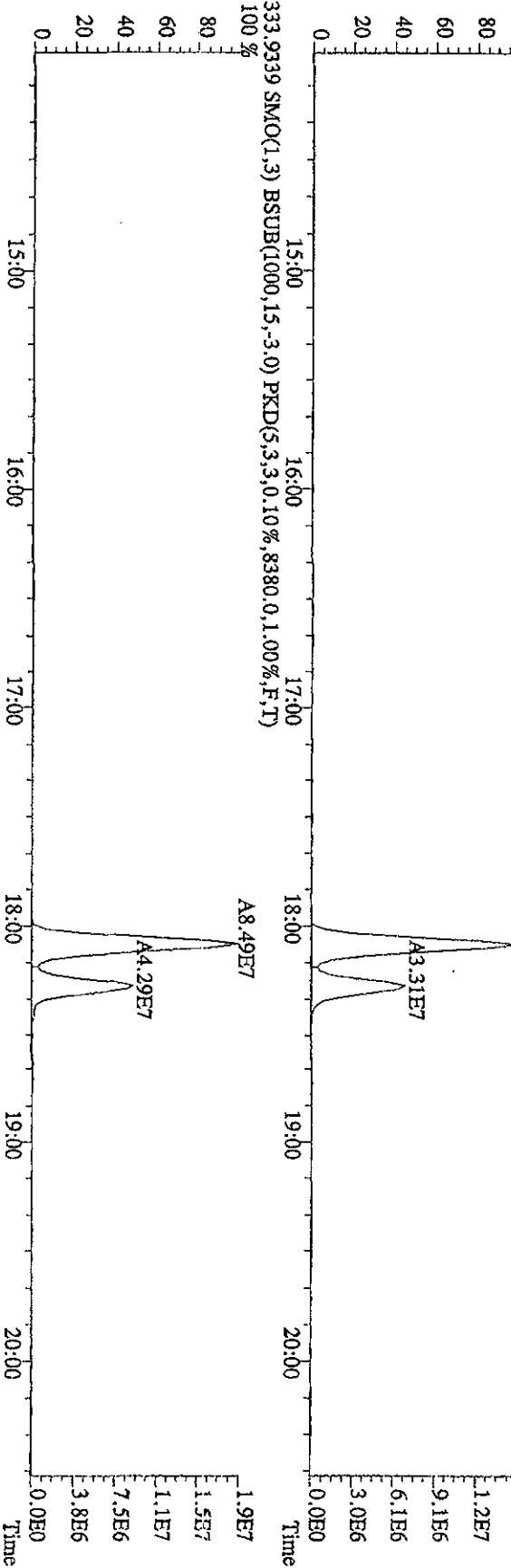
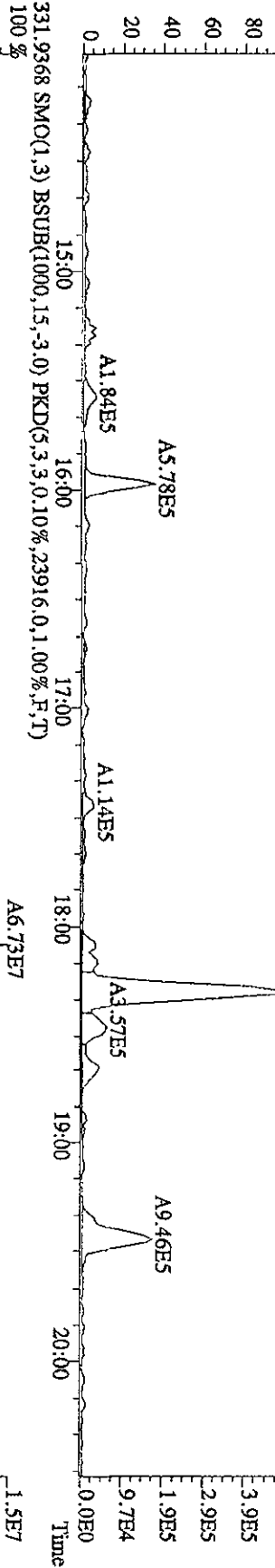
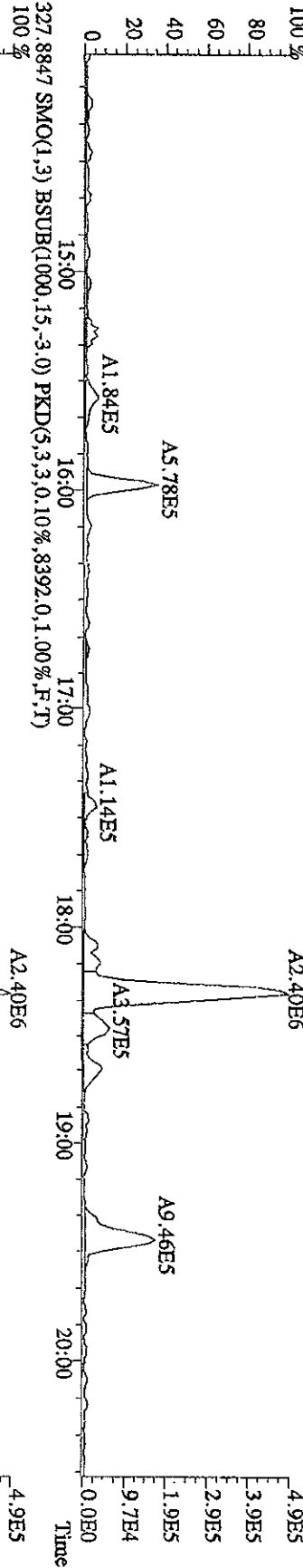
File:14SE101D5 #1-383 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage S1R 70SE
 Sample#1 Text:CF0914 :DB-5 CPSM 3732-07 Exp:DIOXINES
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8148.0,1.00%,F,T)
 100 % A9.86E7



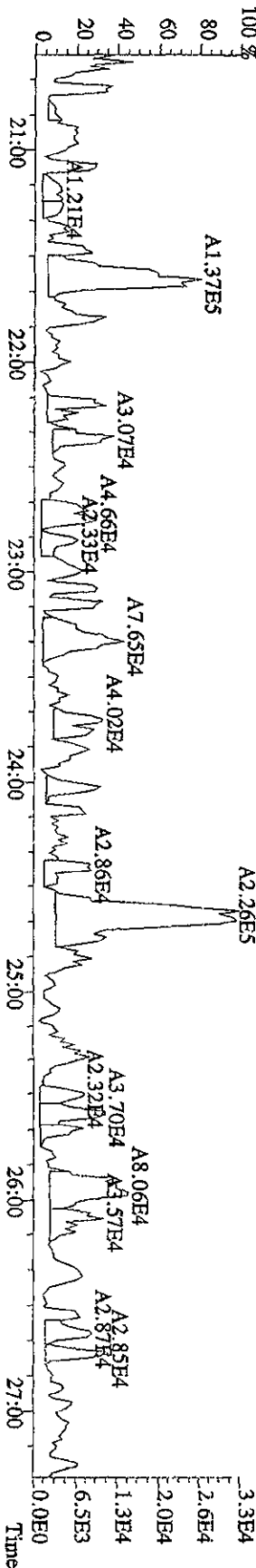
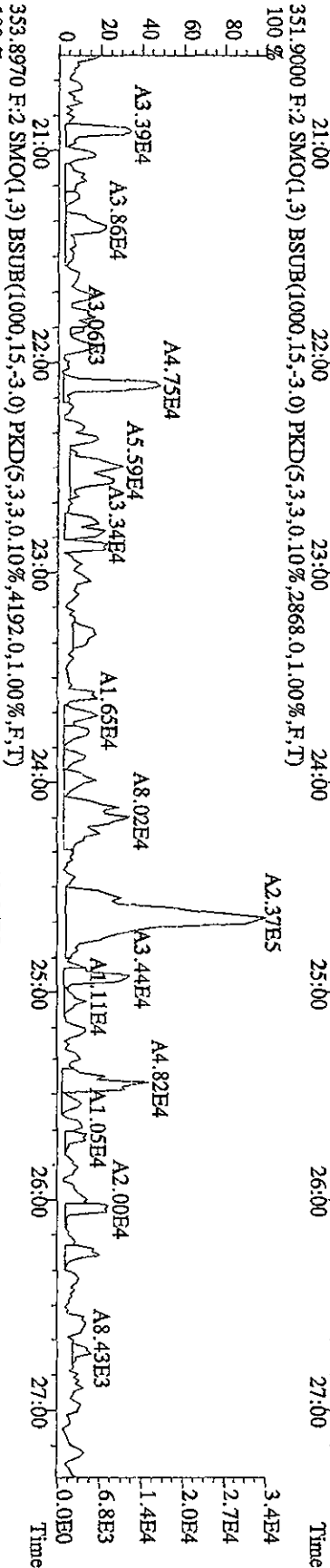
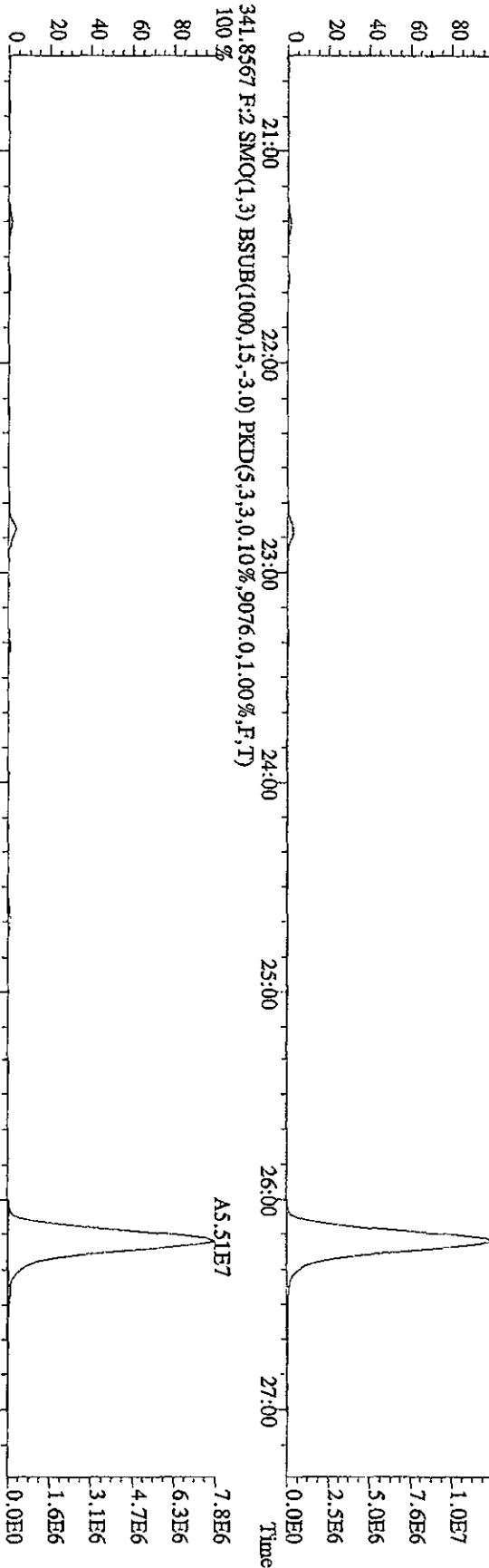
File:14SEP101D5 #1-383 Acq:14-SEP-2010 10:35:01 GC HI+ Voltage SIR 70SE
 Sample#1 Text:CP0914 :DB-5 CPM 3732-07 Exp:DIOXINRES
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9636.0,1.00%,F,T)
 100% A8.26E7



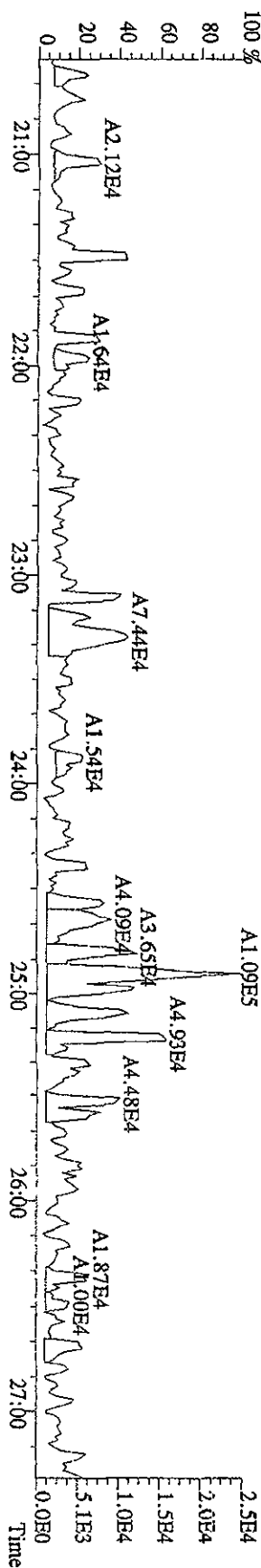
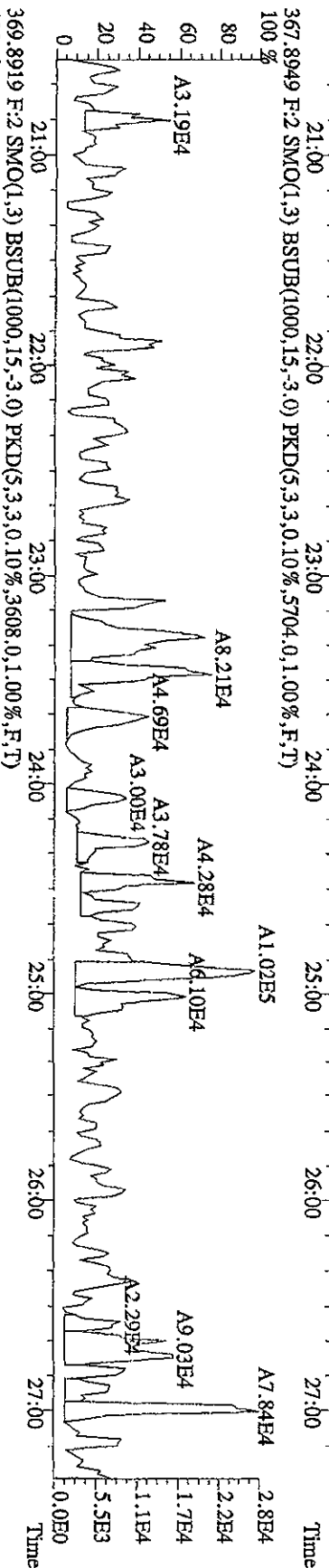
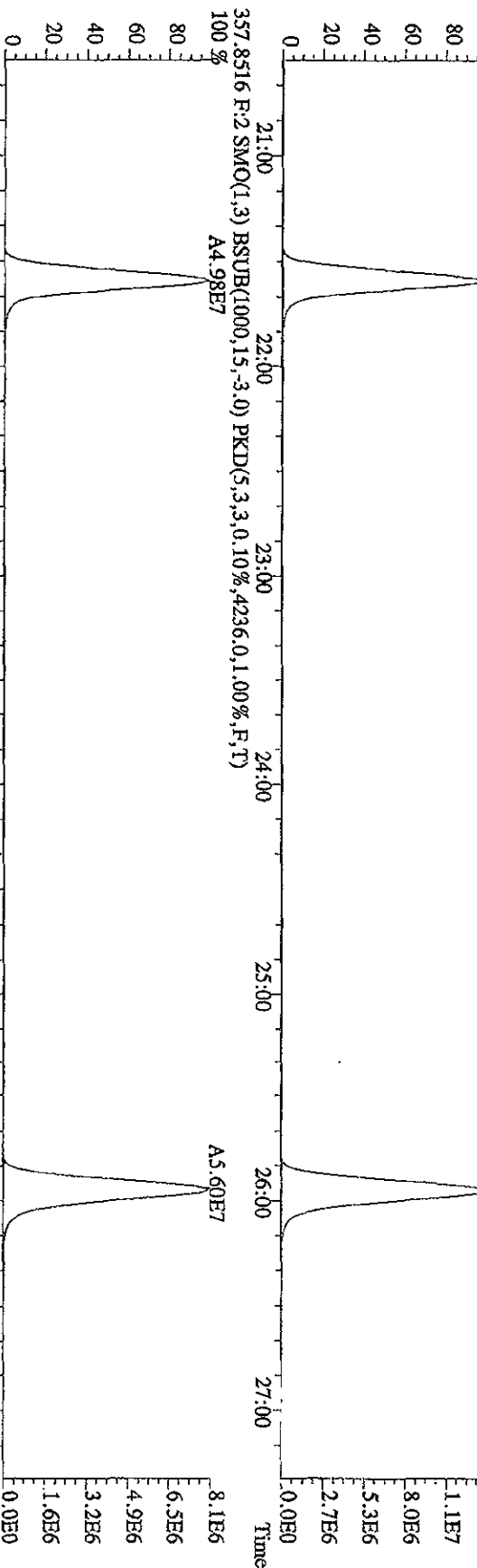
File:14SEI01D5 #1-383 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0914 :DB-5 CP9SM 3732.07 Exp.:DIOXINRES
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8392.0,1.00%,F,T)



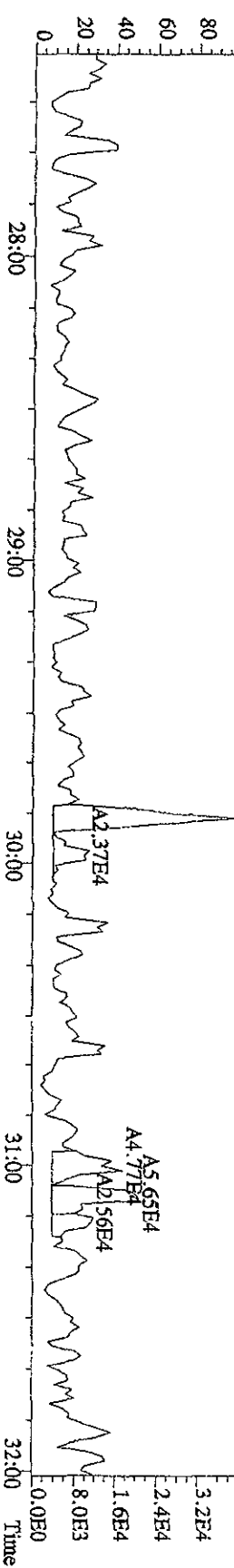
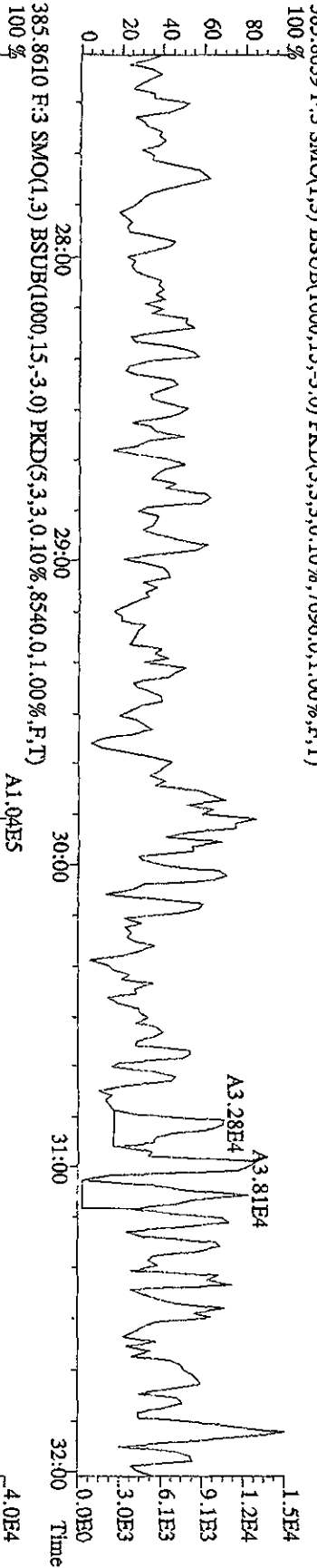
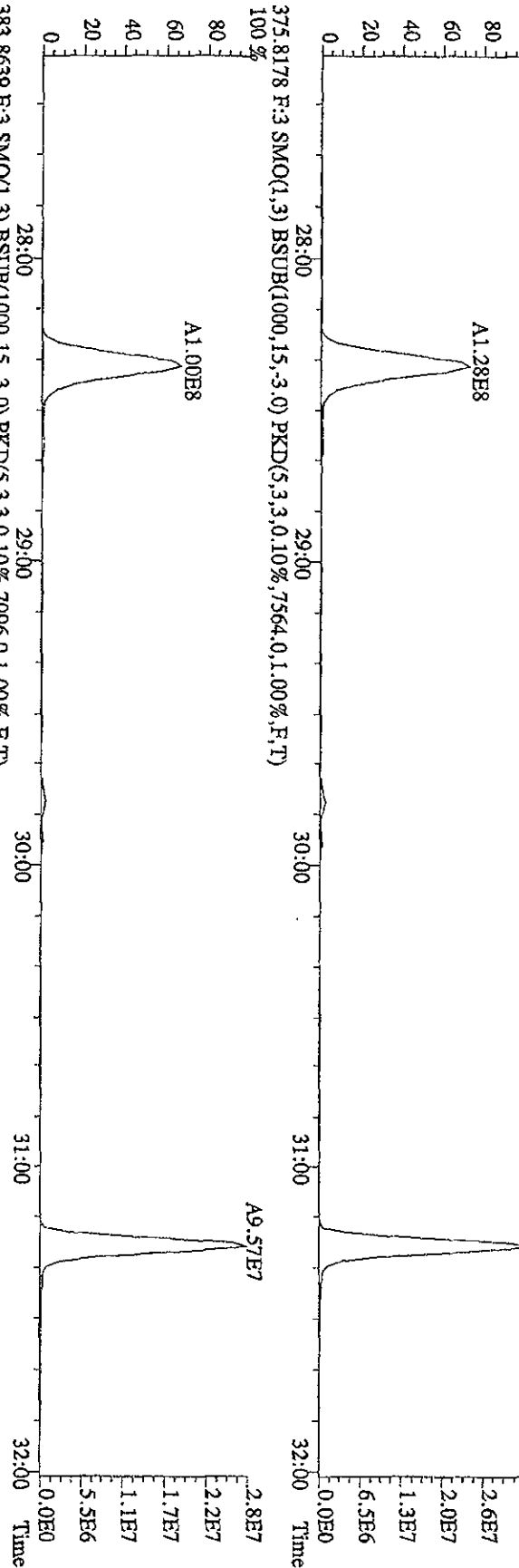
File: 14SEH101DS #1-422 Acq: 14-SEP-2010 10:35:01 GC EI+ Voltage: 575V
 Sample#1 Text: CP0914 :DB-5 CP/SM 3732-07 Exp: DIOXINRES
 339.8597 F: 2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6052,0,1,00%,F,T)



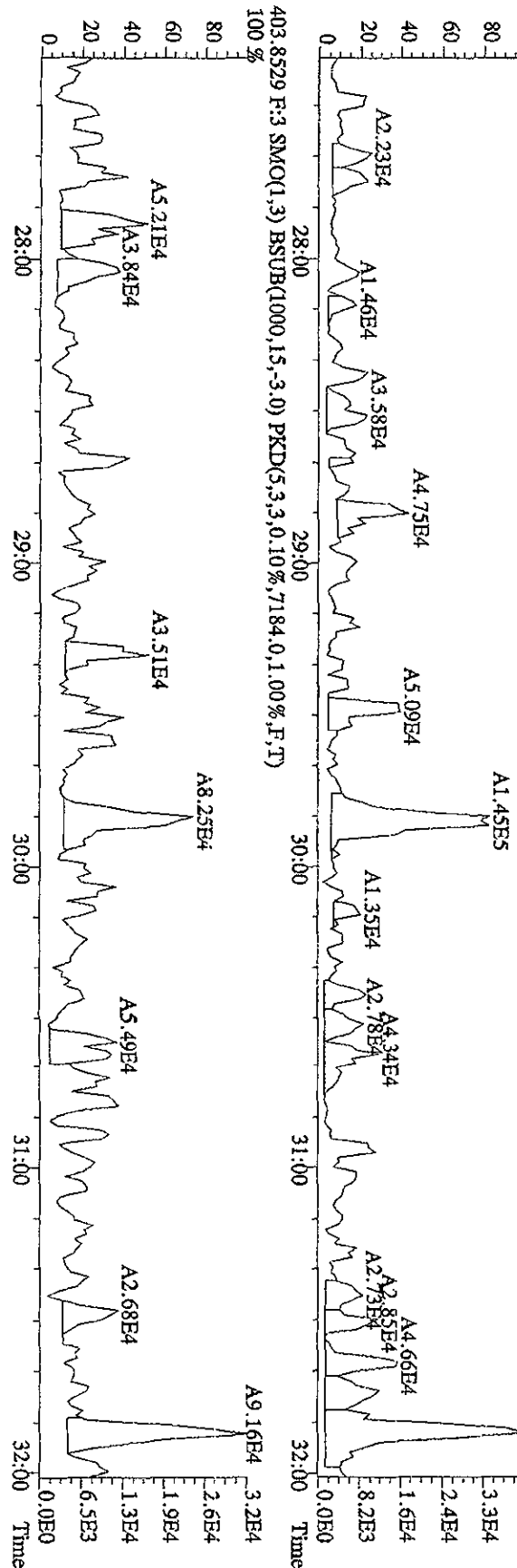
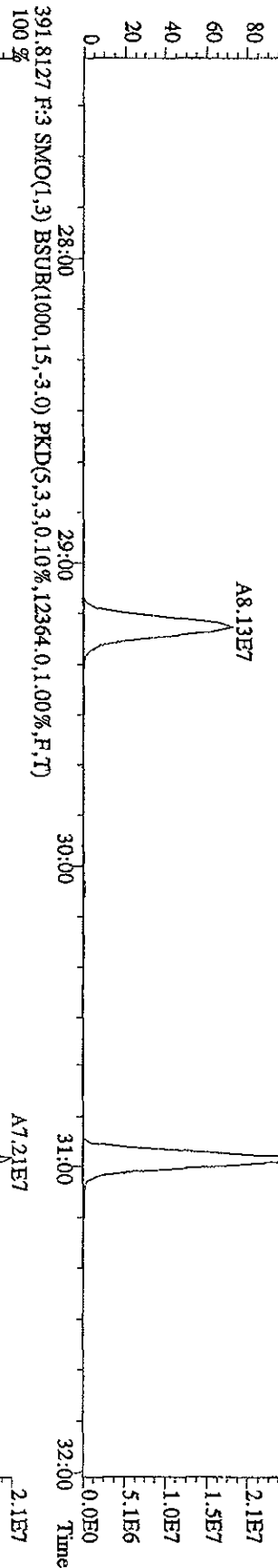
File:14SEI01D5 #1-422 Acq:14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES
 355.8546 F:2.SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,0,10%,8228,0,1,00%,F,T)
 100%



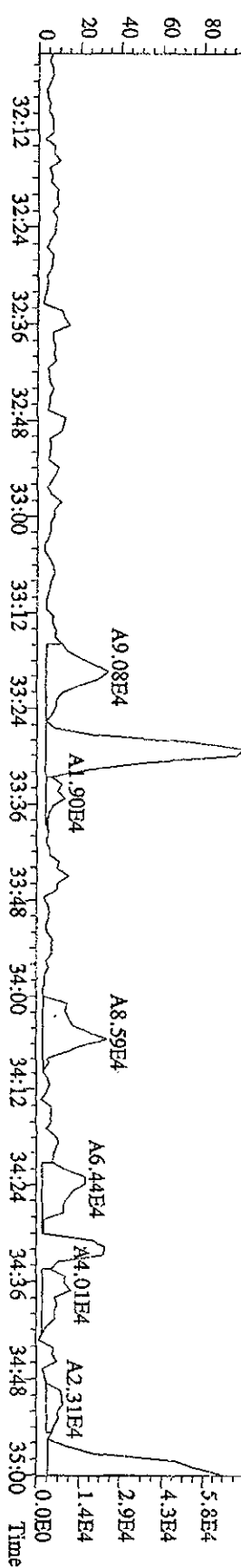
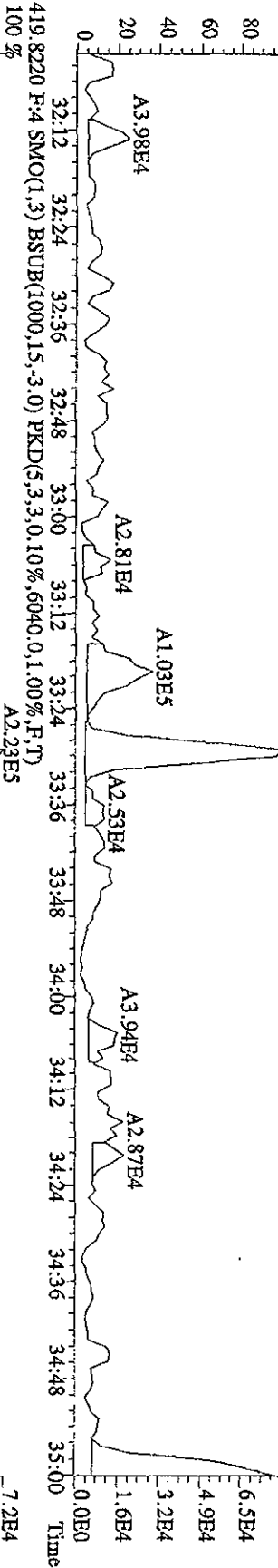
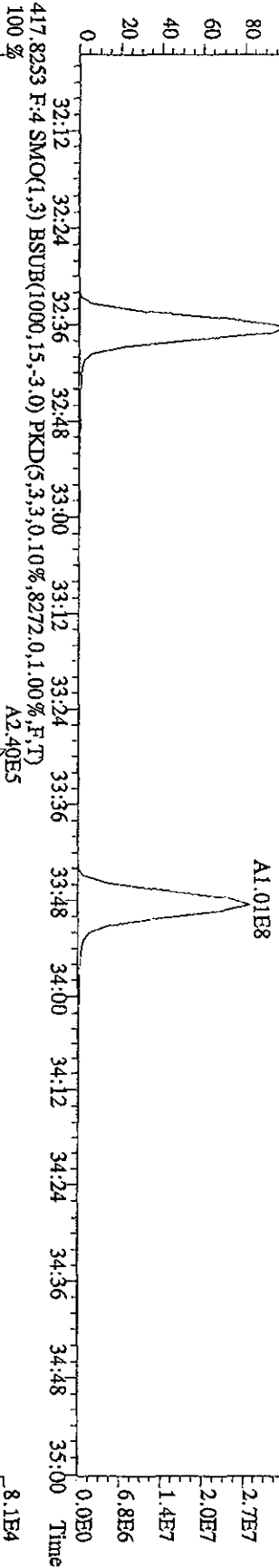
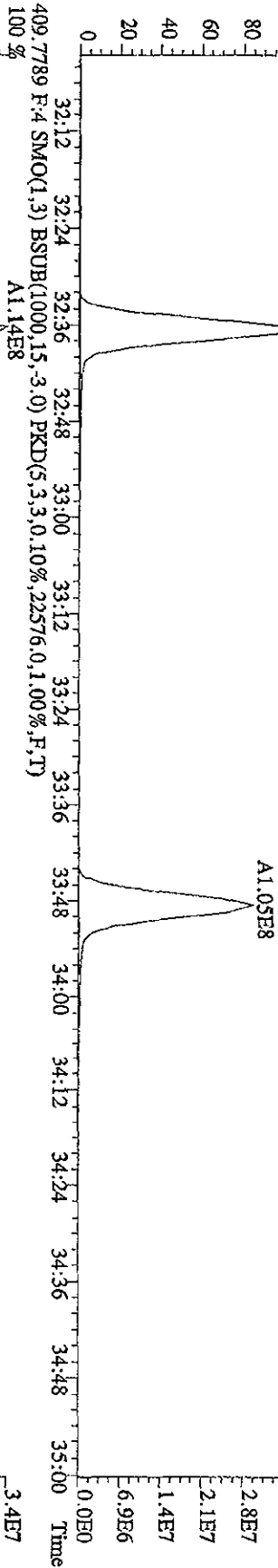
File: 14SE101D5 #1-301 Acq: 14-SEP-2010 10:35:01 GC EI+ Voltage: SR 70SE
 Sample#1 Text: CP0914 :DB-5 CPSM 3732-07 Exp: DIOXINRES
 375.8178 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7564,0,1,00%,F,T)
 100%



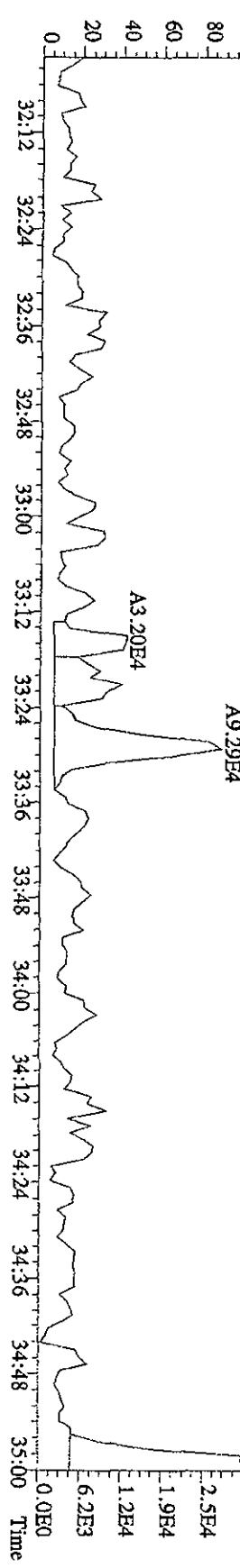
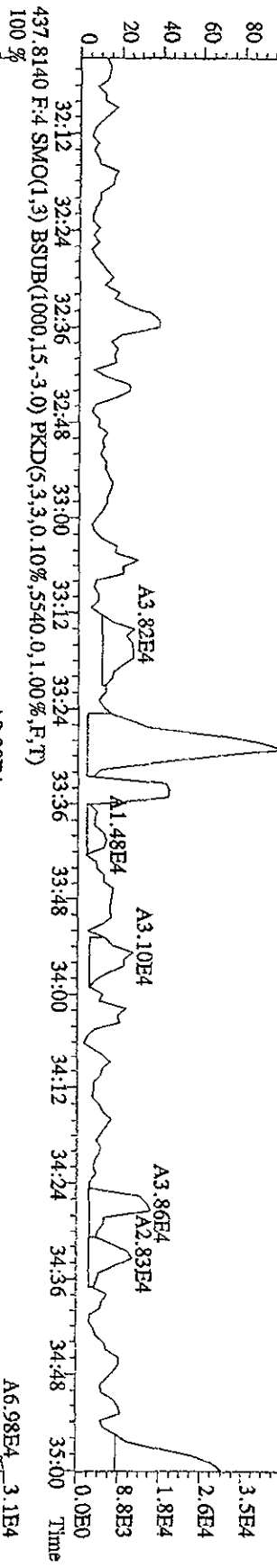
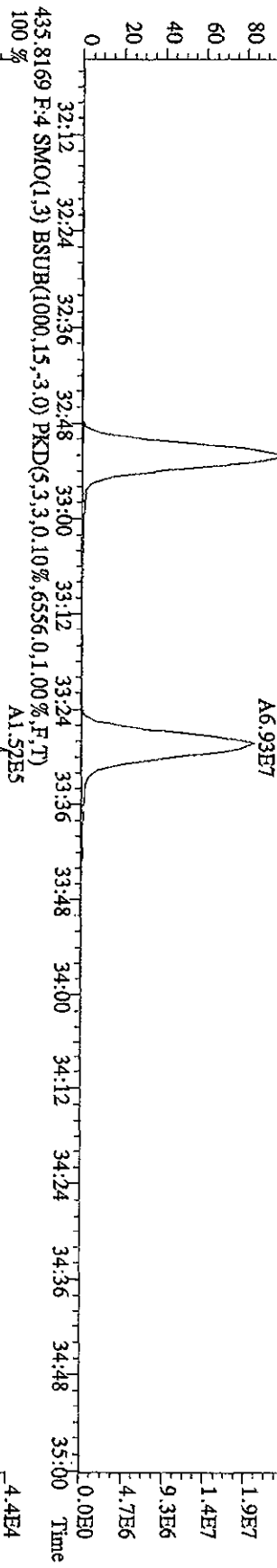
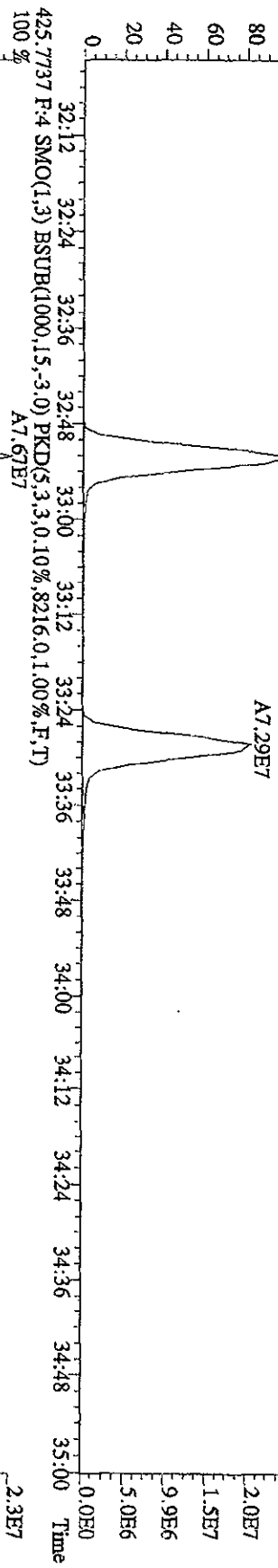
File: 14SEI01D5 #1-301 Acq: 14-SEP-2010 10:35:01 GC EI+ Voltage SIR 70SE
 Sample#1 Text: CP0914 ;DB-5 CPSM 3732-07 Exp: DIOXINES
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5088,0,1,00%,F,T)
 100%



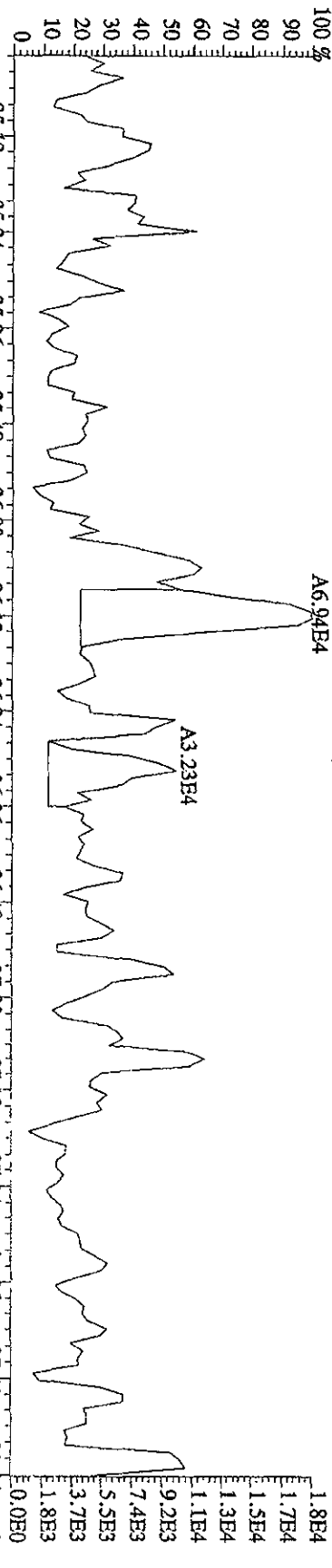
File: 14SEI01D5 #1-202 Acq: 14-SEP-2010 10:35:01 GC BI + Voltage SIR 70SE
 Sample#1 Text: CP0914 :DB-5 CPSM 3732-07 Exp: DIOXINRES
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10532,0,1,00%,F,T)



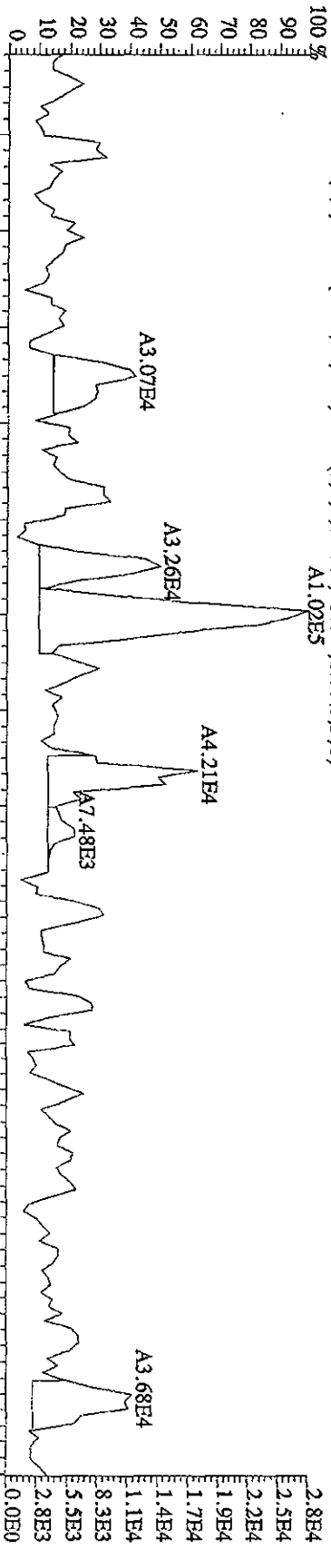
File:14SEP101D5 #1-202 Acq:14-SEP-2010 10:35:01 GC EI + Voltage SIR 705E
 Sample#1 Text:CP0914 :DB-5 CP5M 3732-07 Exp:DIOXINRES
 423.7766 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11300,0,1.00%,F,T)
 100 % A8.27E7



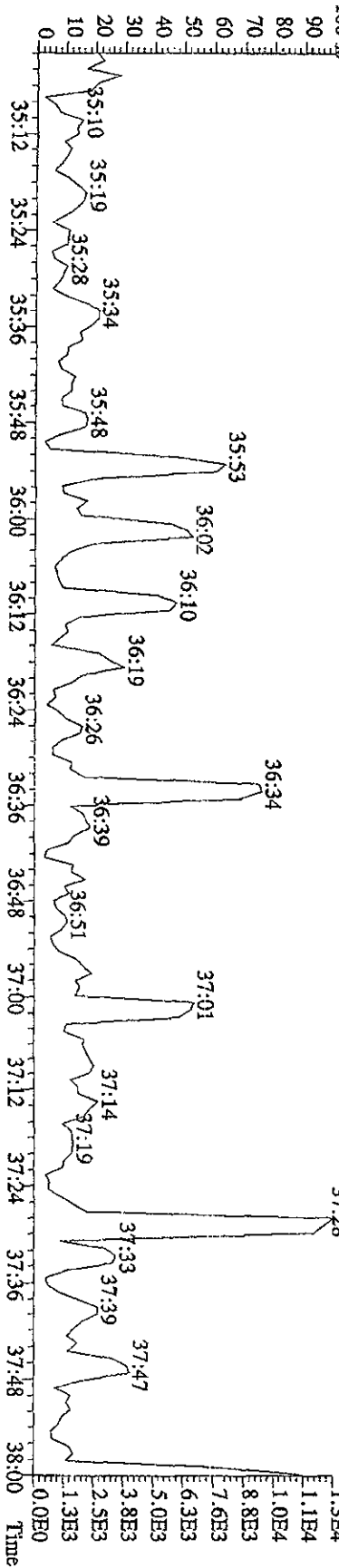
File: 14SEH101DS #1-196 Acq: 14-SEP-2010 10:35:01 GC: EI+ Voltage: SIR 70SE
 Sample#1 Text: CP0914 :DB-5 C/PSM 3732-07 Exp: DIOXINRES
 441.7428 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5588,0,1,00%,F,T)
 100%



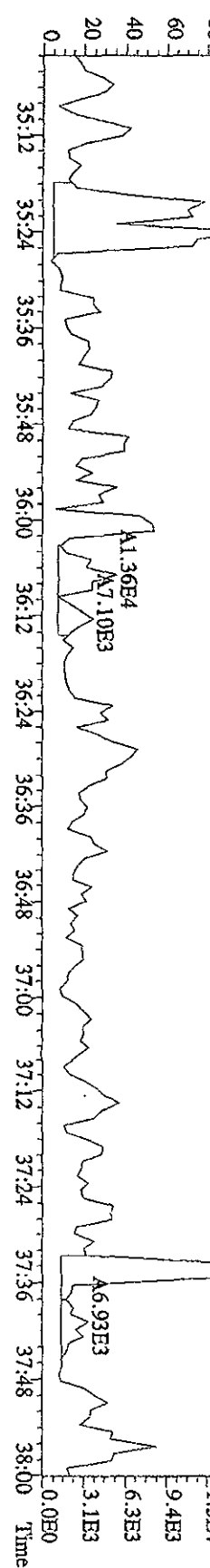
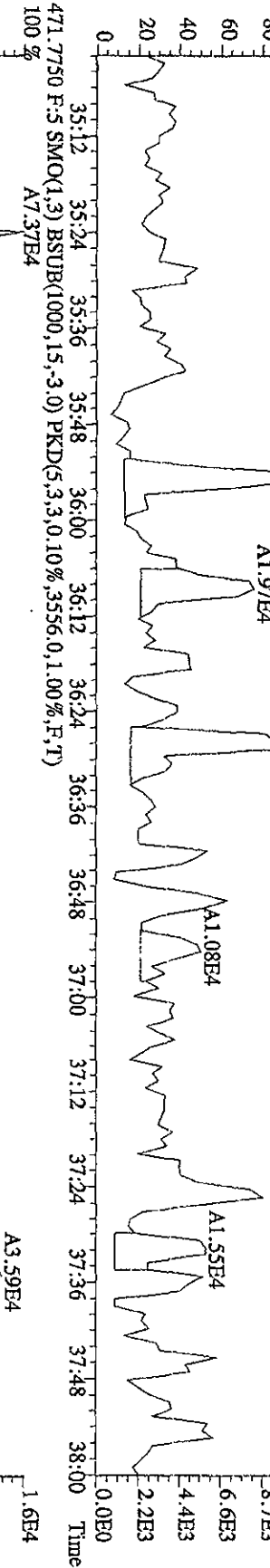
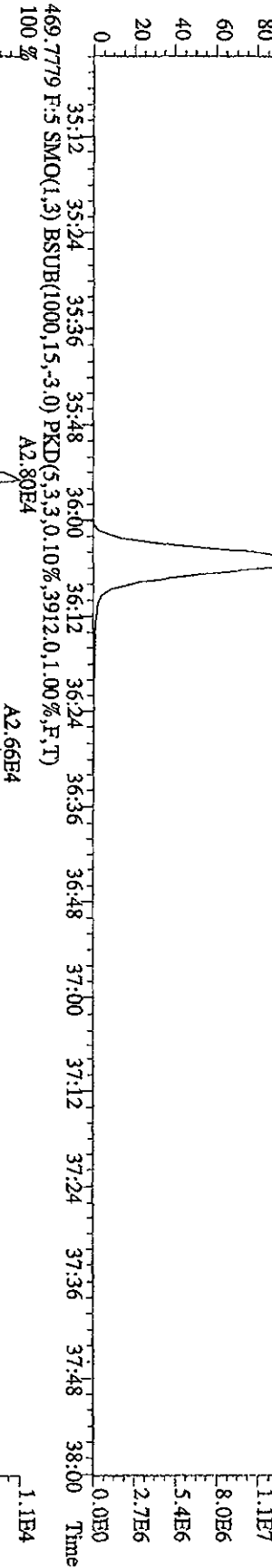
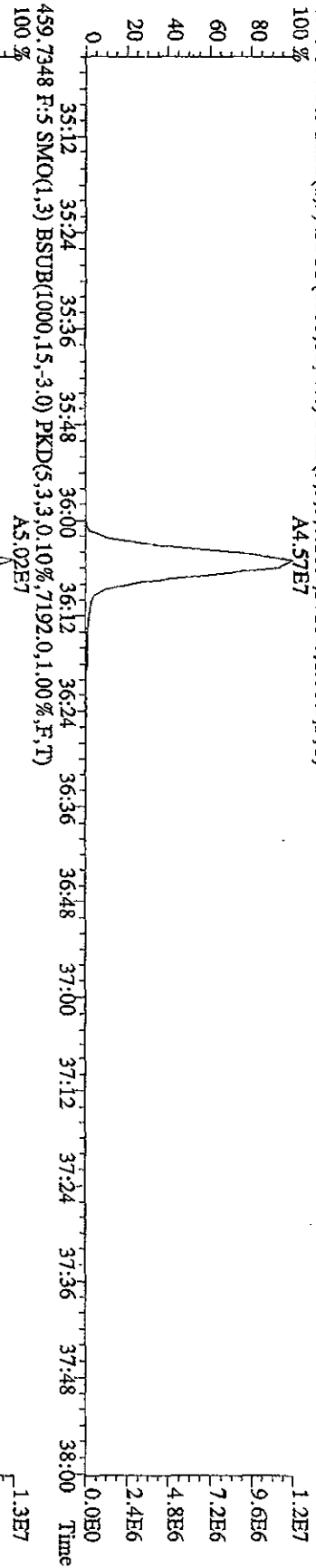
443.7399 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5640,0,1,00%,F,T)
 100%



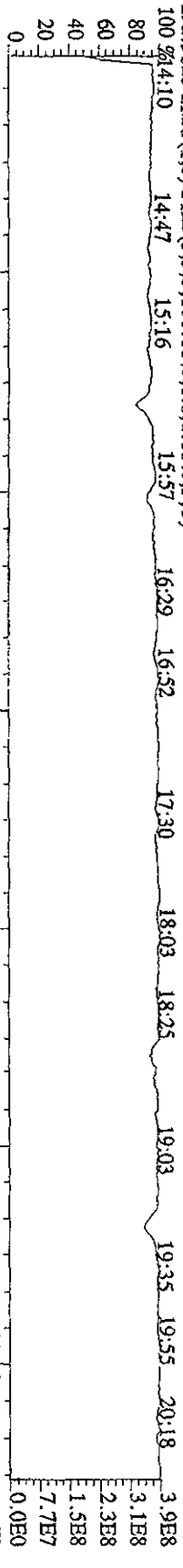
513.6775 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,100,00%,2032,0,1,00%,F,T)
 100%



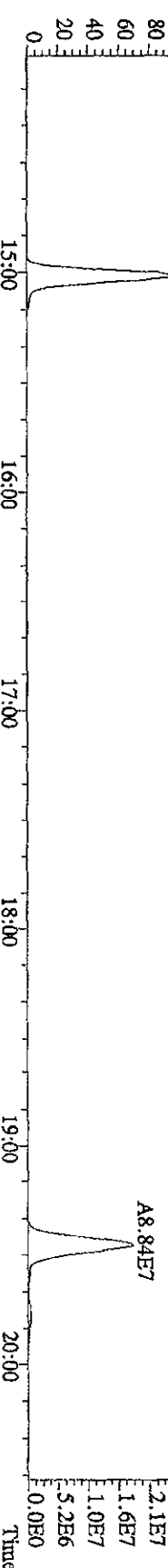
File: 14SEI01D5 #1-196 Acq: 14-SEP-2010 10:35:01 GC EI + Voltage SIR 70SE
 Sample#1 Text: CP0914 :DB-5 CPSM 3732-07 Exp: DIOXINRES
 457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5716.0,1.00%,F,T) A4.57E7



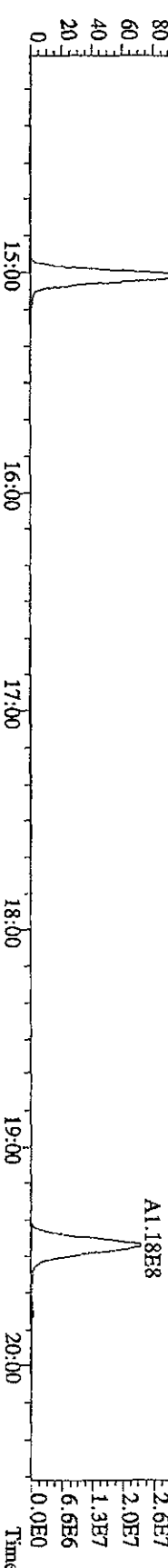
File: 14SE101D5 #1-383 Acq: 14-SEP-2010 10:35:01 GC FI + Voltage SIR 70SE
 Sample#1 Text: CP0914 :DB-5 CPSM 3732.07 Exp: DIOXINRES
 292.9825 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 100% 14:47 15:16 15:57 16:29 16:52 17:30 18:03 18:25 19:03 19:35 19:55 20:18



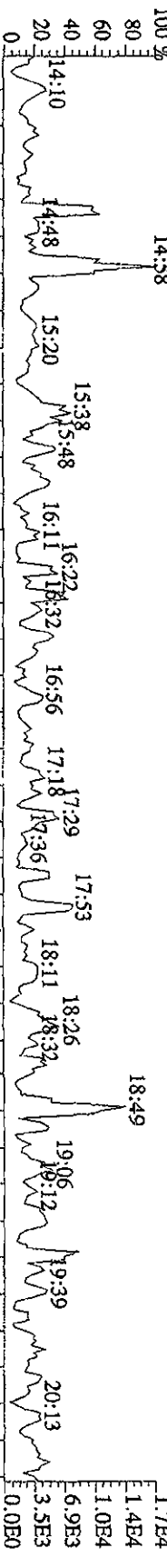
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8148,0.1,0.00%,F,T)
 100% 14:47 15:16 15:57 16:29 16:52 17:30 18:03 18:25 19:03 19:35 19:55 20:18



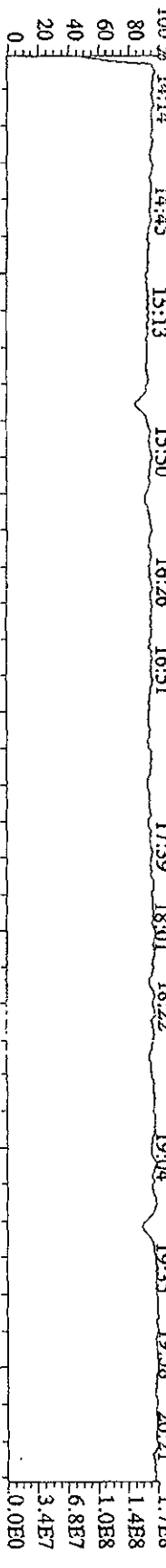
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8704,0.1,0.00%,F,T)
 100% 14:47 15:16 15:57 16:29 16:52 17:30 18:03 18:25 19:03 19:35 19:55 20:18



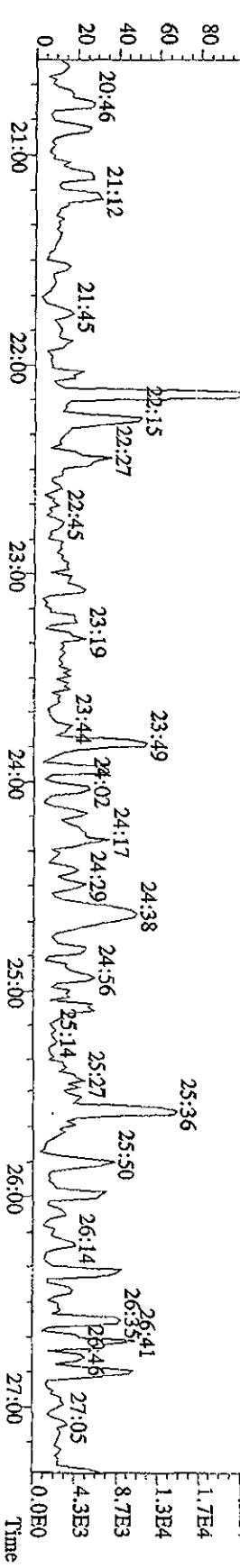
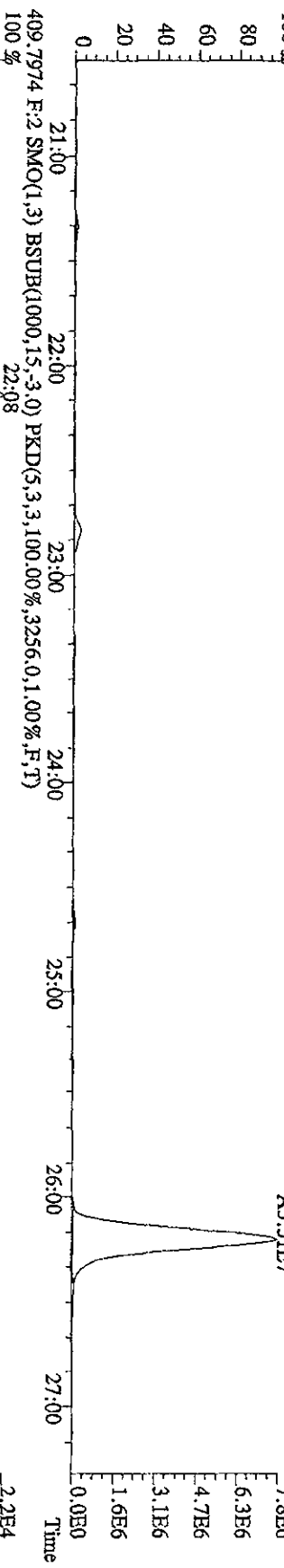
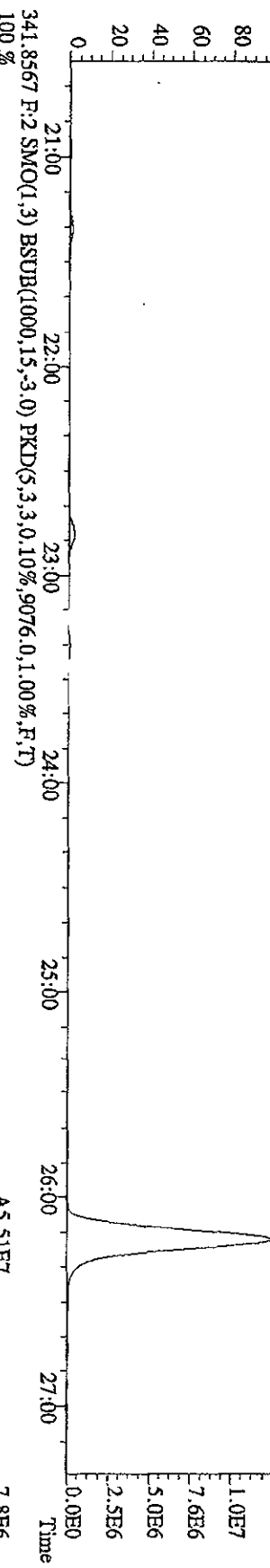
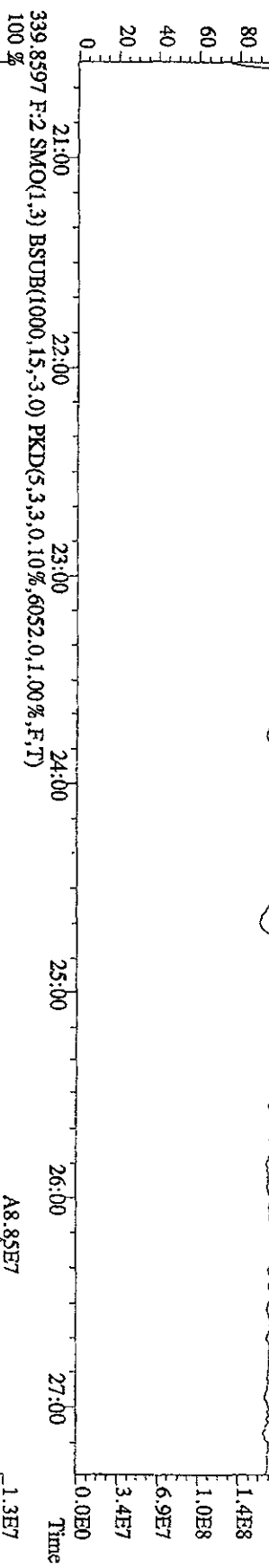
375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,3720,0.1,0.00%,F,T)
 100% 14:47 15:16 15:57 16:29 16:52 17:30 18:03 18:25 19:03 19:35 19:55 20:18



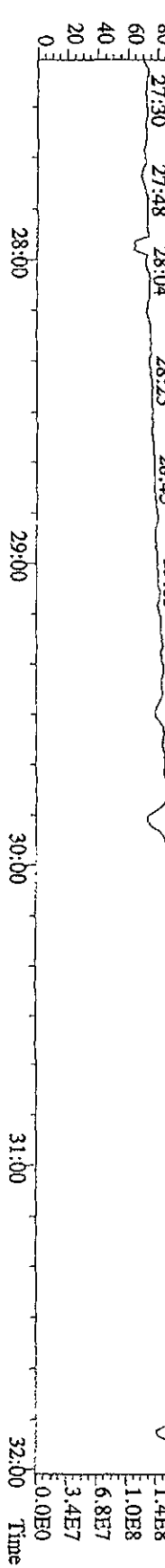
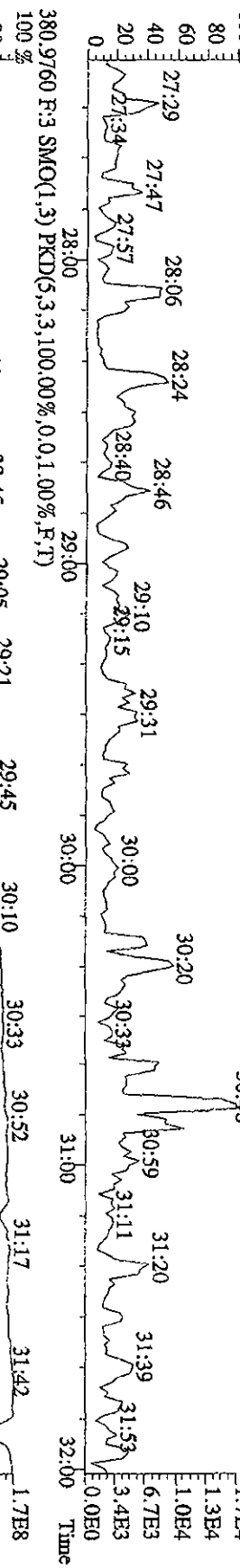
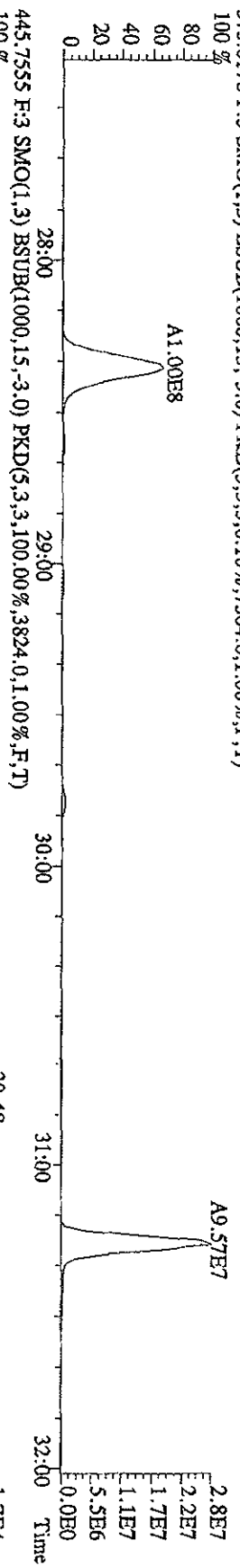
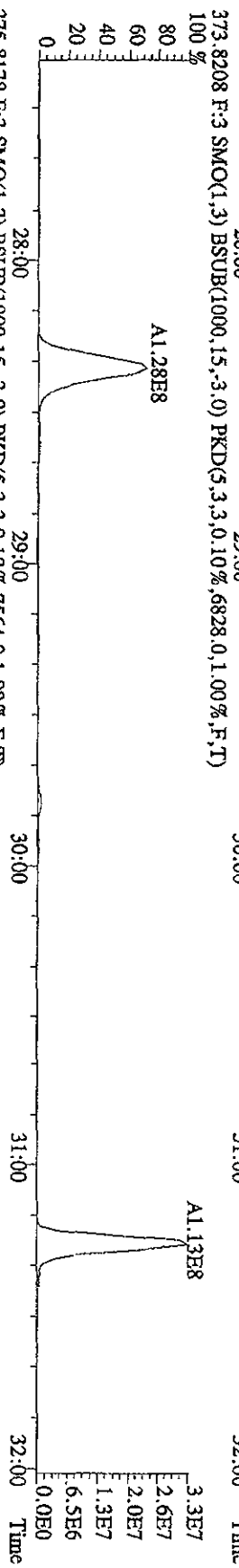
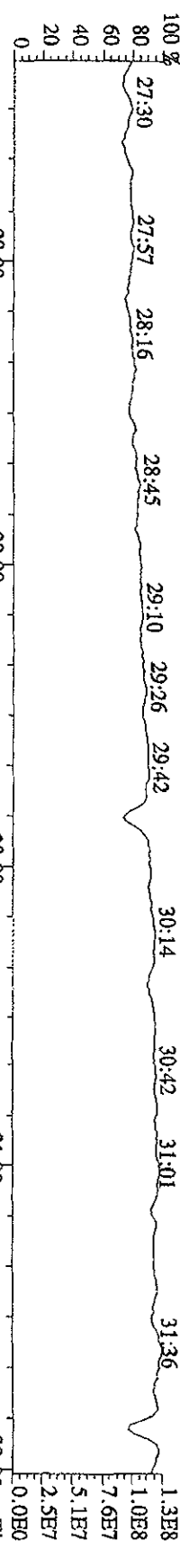
330.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 14:47 15:16 15:57 16:29 16:52 17:30 18:03 18:25 19:03 19:35 19:55 20:18



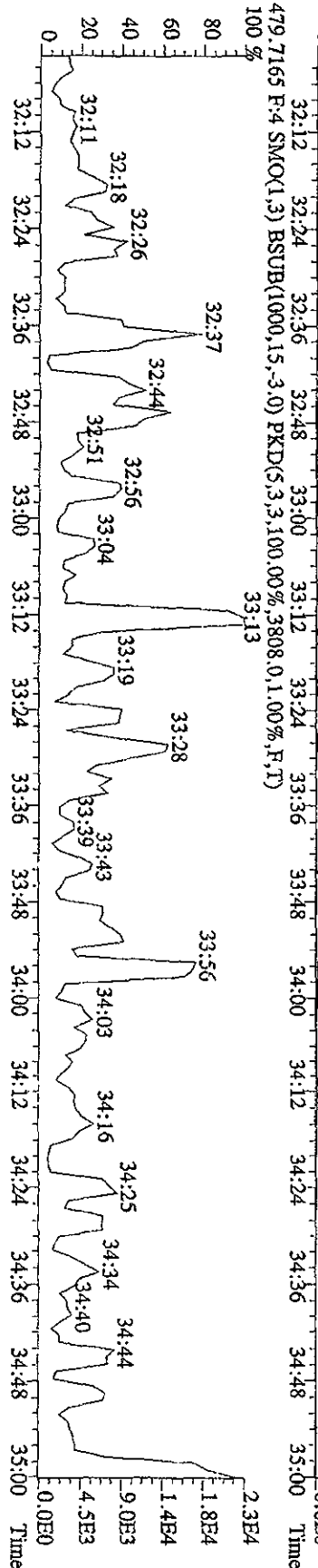
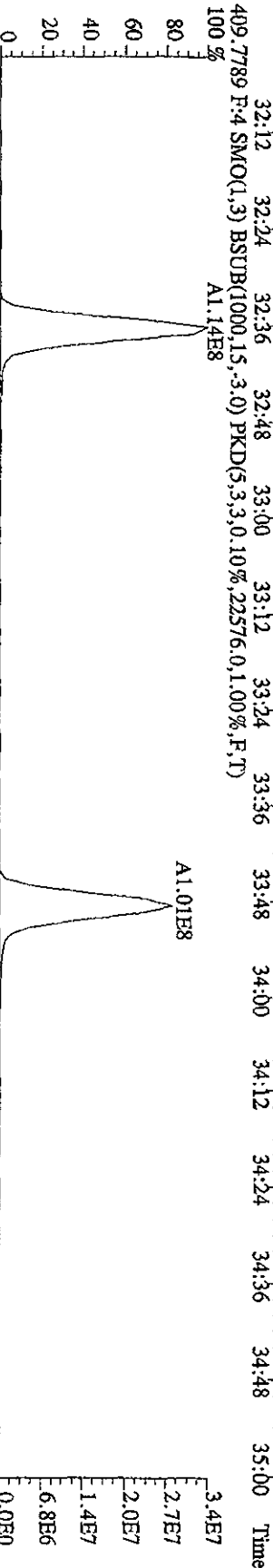
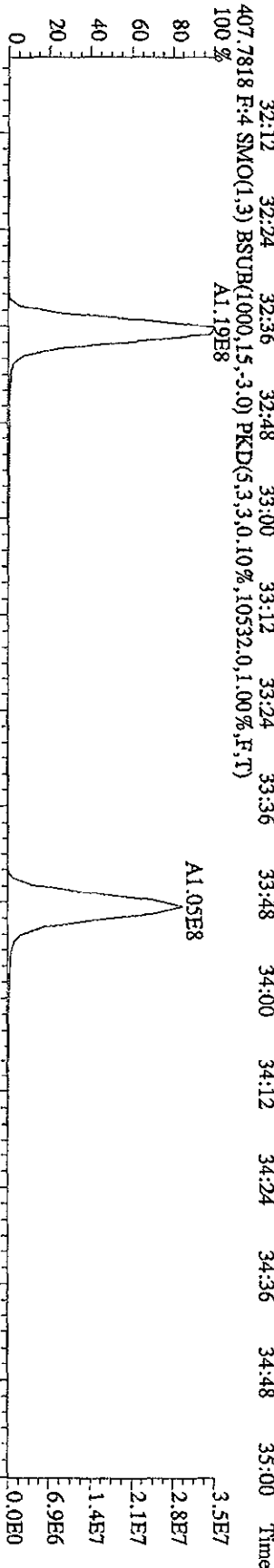
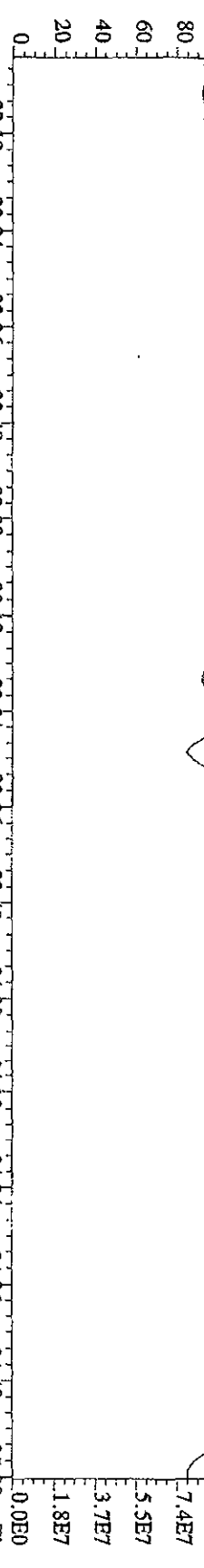
File: 14SEI01D5 #1422 Acq: 14-SEP-2010 10:35:01 GC EI + Voltage SIR 70SE
 Sample#1 Text: CP0914 :DB-5 CPSM 3732-07 Exp: DIOXINRES
 342.9792 F:2 SMO(1,3) PKID(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 21:11 21:39 22:26 22:54 23:29 24:00 24:24 25:02 25:25 26:00 26:28 27:00



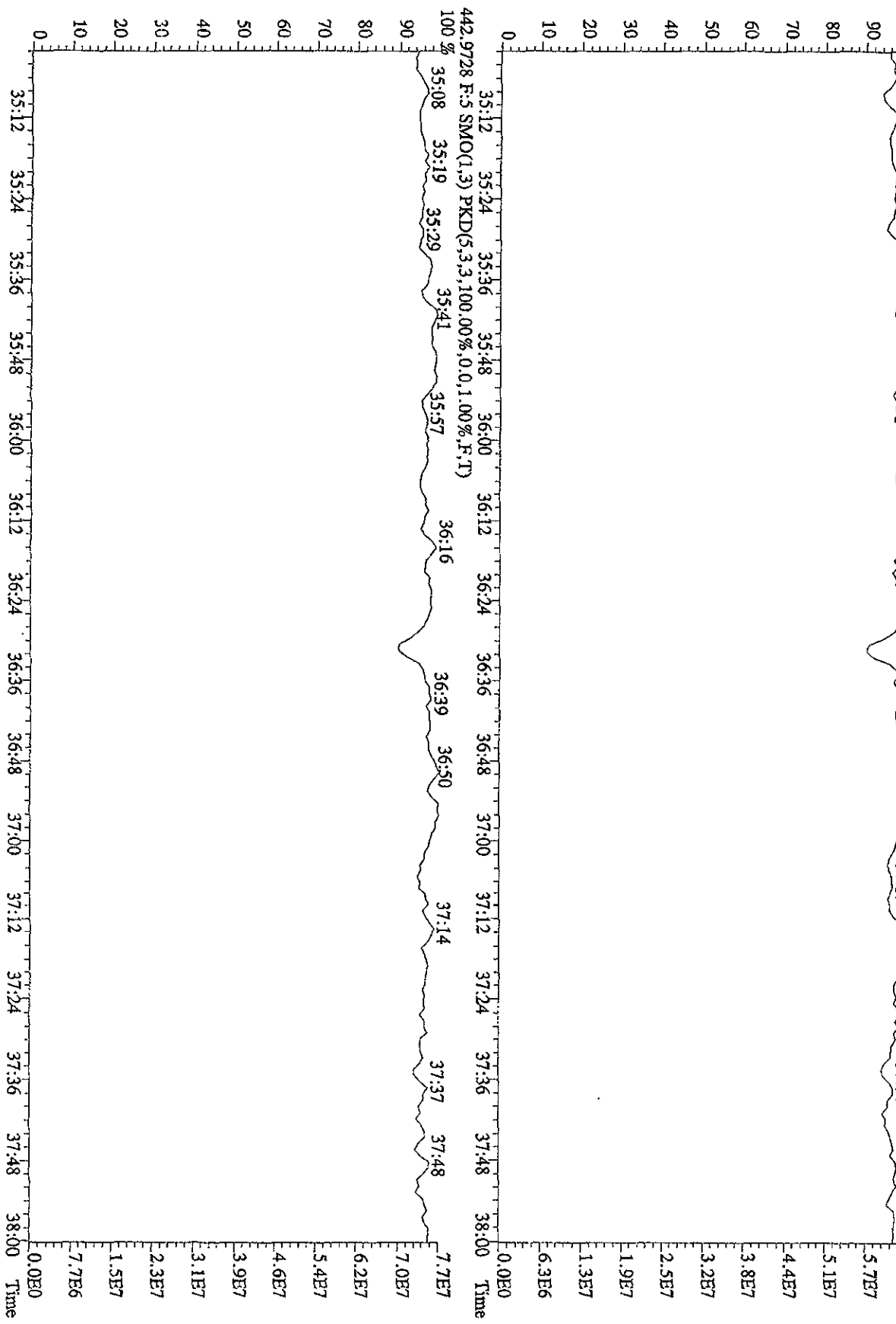
File:14SEP101D5 #1-301 Acq:14-SEP-2010 10:35:01 GC EI + Voltage SIR 70SE
 Sample#1 Text:CP0914 :DB-5 CPSM 3732-07 Exp:DIOXINRES



File: 14SE101D5 #1-202 Acq: 14 SEP 2010 10:35:01 GC EI + Voltage SIR 70SE
 Sample#1 Text: CP0914 :DB-5 CPSM 3732.07 Exp.: DIOXINRES
 430.9728 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:148E101D5 #1-196 Acq:14-SEP-2010 10:35:01 GC EI + Voltage SIR 70SE
 Sample#1 Text:CP0914 ;DB-5 CP5M 3732-07 Exp:DIOXINRES
 454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 35:12 35:31 35:44 36:00 36:10 36:23 36:39 36:51 37:07 37:19 37:37 37:49



Initial Calibration Checklist
Dioxin Methods

ICAL ID 8290, 1613, 0023A, 23, TO9, Tetras 0721104D5

Method ID 8290, 1613, 0023A, 23, TO9, Tetras Date Scanned _____
8290A

Column ID DB5 Instrument ID 4D5

STD ID's ST0721A → ST0721E STD Solution (10DxN) 334, 336, 337, 339, 342

GC Program OCDD Multiplier Setting 4-10 KV

Analyzed By KSS Date Analyzed 07-21-10

Prepared By KSS Date Prepared 07-22-10

Reviewed By JRB Date Reviewed 7/22/10

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

COMMENTS:

*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10
 Method 1613B: %RSD ≤ 20% natives, ≤30% labeled compounds; S/N ≥10
 Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 15SE098D2 Analyte: TC9 Cal: T090721104D5

ST0721A : CS-1 10DXN342 ST0721B : CS-2 10DXN334 ST0721C : CS-3 10DXN336
 ST0721D : CS-5 10DXN339 ST0721E : CS-4 10DXN337

21JL10A4D521JL10A4D521JL10A4D521JL10A4D521JL10A4D521JL10A4D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.229	0.154	12.5 %	1.30	1.31	1.39	1.03	1.11
2,3,7,8-TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03
Total TCDF	0.995	0.037	3.68 %	1.03	0.96	0.98	0.97	1.03
13C-2,3,7,8-TCDD	0.905	0.029	3.25 %	0.92	0.92	0.94	0.88	0.87
2,3,7,8-TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02
Total TCDD	0.983	0.032	3.24 %	0.98	0.94	0.97	1.01	1.02
37Cl-2,3,7,8-TCDD	1.326	0.015	1.12 %	1.33	1.31	1.32	1.35	1.32
13C-1,2,3,7,8-PeCDF	0.876	0.018	2.08 %	0.86	0.90	0.86	0.89	0.87
1,2,3,7,8-PeCDF	1.077	0.042	3.92 %	1.03	1.04	1.08	1.11	1.12
2,3,4,7,8-PeCDF	1.046	0.040	3.80 %	1.00	1.02	1.08	1.04	1.09
Total P2 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10
Total P1 PeCDF	1.061	0.039	3.67 %	1.01	1.03	1.08	1.08	1.10
13C-1,2,3,7,8-PeCDD	0.661	0.010	1.45 %	0.65	0.66	0.67	0.67	0.65
1,2,3,7,8-PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97
Total PeCDD	0.925	0.038	4.09 %	0.89	0.88	0.94	0.95	0.97
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.045	0.067	6.44 %	1.03	1.15	0.98	1.00	1.07
1,2,3,4,7,8-HxCDF	1.217	0.012	1.02 %	1.21	1.20	1.22	1.22	1.23
1,2,3,6,7,8-HxCDF	1.282	0.089	6.95 %	1.19	1.22	1.41	1.33	1.26
2,3,4,6,7,8-HxCDF	1.233	0.080	6.49 %	1.19	1.15	1.35	1.27	1.21
1,2,3,7,8,9-HxCDF	1.098	0.096	8.73 %	1.08	0.99	1.25	1.10	1.06
Total HxCDF	1.208	0.066	5.43 %	1.17	1.14	1.31	1.23	1.19
13C-1,2,3,6,7,8-HxCDD	0.831	0.055	6.68 %	0.84	0.83	0.92	0.77	0.79
1,2,3,4,7,8-HxCDD	1.037	0.122	11.8 %	0.90	0.99	0.97	1.17	1.16

1,2,3,6,7,8-HxCDD	1.163	0.060	5.18 %	1.14	1.23	1.10	1.12	1.23
1,2,3,7,8,9-HxCDD	1.182	0.057	4.86 %	1.15	1.16	1.12	1.25	1.24
Total HxCDD	1.127	0.067	5.93 %	1.06	1.12	1.06	1.18	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.910	0.051	5.65 %	0.99	0.91	0.92	0.87	0.86
1,2,3,4,6,7,8-HpCDF	1.346	0.027	1.99 %	1.31	1.34	1.35	1.35	1.38
1,2,3,4,7,8,9-HpCDF	1.093	0.049	4.49 %	1.01	1.09	1.11	1.13	1.13
Total HpCDF	1.220	0.037	3.05 %	1.16	1.21	1.23	1.24	1.26
13C-1,2,3,4,6,7,8-HxCDD	0.827	0.049	5.98 %	0.89	0.85	0.83	0.76	0.79
1,2,3,4,6,7,8-HxCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10
Total HxCDD	1.072	0.028	2.61 %	1.07	1.03	1.07	1.09	1.10
13C-OCDD	0.620	0.029	4.60 %	0.66	0.63	0.63	0.60	0.59
OCDF	1.370	0.027	1.98 %	1.36	1.35	1.35	1.39	1.41
OCDD	1.199	0.066	5.48 %	1.31	1.17	1.16	1.17	1.19

Run #1 Filename 21JL10A4D5 S: 4 I: 1
 Acquired: 21-JUL-10 16:48:00 Processed: 22-JUL-10 12:01:10
 Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5

Comments:

Sample text: ST0721A :CS-1 10DXN342

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	311991000	0.79 y	20:01	-	100.00	n
13C-2,3,7,8-TCDF	406871000	0.79 y	19:24	1.3041	100.00	n
2,3,7,8-TCDF	2100786	0.70 y	19:25	1.0327	0.50	n
Total TCDF	-	- n	-	1.0327	0.50	n
13C-2,3,7,8-TCDD	286692000	0.78 y	20:13	0.9189	100.00	n
2,3,7,8-TCDD	1410323	0.86 y	20:14	0.9839	0.50	n
Total TCDD	-	- n	-	0.9839	0.50	n
37Cl-2,3,7,8-TCDD	1900202	1.00 y	20:14	1.3256	0.50	n
13C-1,2,3,7,8-PeCDF	267161000	1.54 y	25:17	0.8563	100.00	n
1,2,3,7,8-PeCDF	6866350	1.58 y	25:19	1.0280	2.50	n
2,3,4,7,8-PeCDF	6654750	1.57 y	26:51	0.9964	2.50	n
Total F2 PeCDF	-	- n	-	1.0122	5.00	n
Total F1 PeCDF	-	- n	-	1.0122	5.00	n
13C-1,2,3,7,8-PeCDD	202489300	1.56 y	27:41	0.6490	100.00	n
1,2,3,7,8-PeCDD	4490250	1.47 y	27:43	0.8870	2.50	n
Total PeCDD	-	- n	-	0.8870	2.50	n
13C-1,2,3,7,8,9-HxCDD	216693700	1.31 y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	223118900	0.51 y	32:16	1.0297	100.00	n
1,2,3,4,7,8-HxCDF	6768610	1.17 y	32:17	1.2135	2.50	n
1,2,3,6,7,8-HxCDF	6624500	1.24 y	32:24	1.1876	2.50	n
2,3,4,6,7,8-HxCDF	6618550	1.19 y	32:54	1.1866	2.50	n
1,2,3,7,8,9-HxCDF	6028420	1.13 y	33:32	1.0808	2.50	n
Total HxCDF	-	- n	-	1.1671	10.00	n
13C-1,2,3,6,7,8-HxCDD	182168900	1.32 y	33:06	0.8407	100.00	y ✓
1,2,3,4,7,8-HxCDD	4087150	1.18 y	33:03	0.8974	2.50	n
1,2,3,6,7,8-HxCDD	5184140	1.31 y	33:07	1.1383	2.50	n
1,2,3,7,8,9-HxCDD	5222820	1.27 y	33:22	1.1468	2.50	n
Total HxCDD	-	- n	-	1.0609	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	214578400	0.43 y	34:53	0.9902	100.00	n
1,2,3,4,6,7,8-HpCDF	7009400	1.06 y	34:54	1.3066	2.50	n
1,2,3,4,7,8,9-HpCDF	5421290	1.00 y	36:03	1.0106	2.50	n
Total HpCDF	-	- n	-	1.1586	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	193217400	1.03 y	35:42	0.8917	100.00	n
1,2,3,4,6,7,8-HpCDD	5159640	1.03 y	35:43	1.0682	2.50	n
Total HpCDD	-	- n	-	1.0682	2.50	n
13C-OCDD	284075000	0.88 y	38:16	0.6555	200.00	n
OCDF	9640820	0.93 y	38:23	1.3575	5.00	n

OCDD 9336890 0.91 y 38:16 1.3147 5.00 n

Run #1 Filename 21JL10A4D5 S: 4 I: 1
 Acquired: 21-JUL-10 16:48:00 Processed: 22-JUL-10 12:01:10
 Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5

Comments:

Sample text: ST0721A :CS-1 10DXN342

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	311991000	0.79 y	20:01	-	100.00	n
13C-2,3,7,8-TCDF	406871000	0.79 y	19:24	1.3041	100.00	n
2,3,7,8-TCDF	2100786	0.70 y	19:25	1.0327	0.50	n
Total TCDF	-	- n	-	1.0327	0.50	n
13C-2,3,7,8-TCDD	286692000	0.78 y	20:13	0.9189	100.00	n
2,3,7,8-TCDD	1410323	0.86 y	20:14	0.9839	0.50	n
Total TCDD	-	- n	-	0.9839	0.50	n
37Cl-2,3,7,8-TCDD	1900202	1.00 y	20:14	1.3256	0.50	n
13C-1,2,3,7,8-PeCDF	267161000	1.54 y	25:17	0.8563	100.00	n
1,2,3,7,8-PeCDF	6866350	1.58 y	25:19	1.0280	2.50	n
2,3,4,7,8-PeCDF	6654750	1.57 y	26:51	0.9964	2.50	n
Total F2 PeCDF	-	- n	-	1.0122	5.00	n
Total F1 PeCDF	-	- n	-	1.0122	5.00	n
13C-1,2,3,7,8-PeCDD	202489300	1.56 y	27:41	0.6490	100.00	n
1,2,3,7,8-PeCDD	4490250	1.47 y	27:43	0.8870	2.50	n
Total PeCDD	-	- n	-	0.8870	2.50	n
13C-1,2,3,7,8,9-HxCDD	216693700	1.31 y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	223118900	0.51 y	32:16	1.0297	100.00	n
1,2,3,4,7,8-HxCDF	6768610	1.17 y	32:17	1.2135	2.50	n
1,2,3,6,7,8-HxCDF	6624500	1.24 y	32:24	1.1876	2.50	n
2,3,4,6,7,8-HxCDF	6618550	1.19 y	32:54	1.1866	2.50	n
1,2,3,7,8,9-HxCDF	6028420	1.13 y	33:32	1.0808	2.50	n
Total HxCDF	-	- n	-	1.1671	10.00	n
13C-1,2,3,6,7,8-HxCDD	183007300	1.15 y	33:06	0.8445	100.00	n
1,2,3,4,7,8-HxCDD	4087150	1.18 y	33:03	0.8933	2.50	n
1,2,3,6,7,8-HxCDD	5184140	1.31 y	33:07	1.1331	2.50	n
1,2,3,7,8,9-HxCDD	5222820	1.27 y	33:22	1.1416	2.50	n
Total HxCDD	-	- n	-	1.0560	7.50	n
13C-1,2,3,4,6,7,8-HpCDF	214578400	0.43 y	34:53	0.9902	100.00	n
1,2,3,4,6,7,8-HpCDF	7009400	1.06 y	34:54	1.3066	2.50	n
1,2,3,4,7,8,9-HpCDF	5421290	1.00 y	36:03	1.0106	2.50	n
Total HpCDF	-	- n	-	1.1586	5.00	n
13C-1,2,3,4,6,7,8-HpCDD	193217400	1.03 y	35:42	0.8917	100.00	n
1,2,3,4,6,7,8-HpCDD	5159640	1.03 y	35:43	1.0682	2.50	n
Total HpCDD	-	- n	-	1.0682	2.50	n
13C-OCDD	284075000	0.88 y	38:16	0.6555	200.00	n
OCDF	9640820	0.93 y	38:23	1.3575	5.00	n

OCDD 9336890 0.91 y 38:16 1.3147 5.00 n

Run #2 Filename 21JL10A4D5 S: 5 I: 1
 Acquired: 21-JUL-10 17:33:53 Processed: 22-JUL-10 12:01:11
 Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5

Comments:

Sample text: ST0721B :CS-2 10DXN334

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	346133000	0.79 y	20:01	-	100.00	n
13C-2,3,7,8-TCDF	454963000	0.79 y	19:25	1.3144	100.00	n
2,3,7,8-TCDF	8692490	0.78 y	19:26	0.9553	2.00	n
Total TCDF	-	- n	-	0.9553	2.00	n
13C-2,3,7,8-TCDD	317456000	0.78 y	20:14	0.9172	100.00	n
2,3,7,8-TCDD	5958260	0.78 y	20:15	0.9384	2.00	n
Total TCDD	-	- n	-	0.9384	2.00	n
37Cl-2,3,7,8-TCDD	8349040	1.00 y	20:15	1.3150	2.00	n
13C-1,2,3,7,8-PeCDF	311858000	1.53 y	25:17	0.9010	100.00	n
1,2,3,7,8-PeCDF	32375300	1.57 y	25:19	1.0381	10.00	n
2,3,4,7,8-PeCDF	31788800	1.54 y	26:52	1.0193	10.00	n
Total F2 PeCDF	-	- n	-	1.0287	20.00	n
Total F1 PeCDF	-	- n	-	1.0287	20.00	n
13C-1,2,3,7,8-PeCDD	228833100	1.55 y	27:41	0.6611	100.00	n
1,2,3,7,8-PeCDD	20211030	1.54 y	27:42	0.8832	10.00	n
Total PeCDD	-	- n	-	0.8832	10.00	n
13C-1,2,3,7,8,9-HxCDD	250231000	1.31 y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	286839800	0.51 y	32:16	1.1463	100.00	n
1,2,3,4,7,8-HxCDF	34391700	1.17 y	32:17	1.1990	10.00	n
1,2,3,6,7,8-HxCDF	34994300	1.19 y	32:24	1.2200	10.00	n
2,3,4,6,7,8-HxCDF	32979800	1.17 y	32:55	1.1498	10.00	n
1,2,3,7,8,9-HxCDF	28460200	1.20 y	33:33	0.9922	10.00	n
Total HxCDF	-	- n	-	1.1402	40.00	n
13C-1,2,3,6,7,8-HxCDD	207728500	1.31 y	33:06	0.8301	100.00	n
1,2,3,4,7,8-HxCDD	20528920	1.23 y	33:03	0.9883	10.00	n
1,2,3,6,7,8-HxCDD	25476800	1.29 y	33:07	1.2264	10.00	n
1,2,3,7,8,9-HxCDD	24026200	1.28 y	33:23	1.1566	10.00	n
Total HxCDD	-	- n	-	1.1238	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	227576800	0.43 y	34:53	0.9095	100.00	n
1,2,3,4,6,7,8-HpCDF	30499500	1.03 y	34:54	1.3402	10.00	n
1,2,3,4,7,8,9-HpCDF	24758800	1.01 y	36:03	1.0879	10.00	n
Total HpCDF	-	- n	-	1.2141	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	212760000	1.04 y	35:42	0.8503	100.00	n
1,2,3,4,6,7,8-HpCDD	21862400	1.02 y	35:43	1.0276	10.00	n
Total HpCDD	-	- n	-	1.0276	10.00	n
13C-OCDD	316775000	0.88 y	38:16	0.6330	200.00	n
OCDF	42624800	0.89 y	38:23	1.3456	20.00	n
OCDD	37017600	0.89 y	38:17	1.1686	20.00	n

Run #3 Filename 21JL10A4D5 S: 6 I: 1
 Acquired: 21-JUL-10 18:18:56 Processed: 22-JUL-10 12:01:11
 Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5

Comments:

Sample text: ST0721C :CS-3 10DXN336

Name	Resp	RA	RT	RRF	Mod?
13C-1,2,3,4-TCDD	297616000	0.80 y	20:00	-	100.00 n
13C-2,3,7,8-TCDF	414416000	0.80 y	19:23	1.3925	100.00 n
2,3,7,8-TCDF	40815800	0.78 y	19:25	0.9849	10.00 n
Total TCDF	-	- n	-	0.9849	10.00 n
13C-2,3,7,8-TCDD	279542000	0.79 y	20:13	0.9393	100.00 n
2,3,7,8-TCDD	27062400	0.80 y	20:15	0.9681	10.00 n
Total TCDD	-	- n	-	0.9681	10.00 n
37Cl-2,3,7,8-TCDD	36762200	1.00 y	20:14	1.3151	10.00 n
13C-1,2,3,7,8-PeCDF	256521000	1.55 y	25:18	0.8619	100.00 n
1,2,3,7,8-PeCDF	138997400	1.55 y	25:20	1.0837	50.00 n
2,3,4,7,8-PeCDF	138743000	1.55 y	26:53	1.0817	50.00 n
Total F2 PeCDF	-	- n	-	1.0827	100.00 n
Total F1 PeCDF	-	- n	-	1.0827	100.00 n
13C-1,2,3,7,8-PeCDD	199400100	1.58 y	27:43	0.6700	100.00 n
1,2,3,7,8-PeCDD	93821800	1.53 y	27:44	0.9410	50.00 n
Total PeCDD	-	- n	-	0.9410	50.00 n
13C-1,2,3,7,8,9-HxCDD	211830200	1.30 y	33:22	-	100.00 n
13C-1,2,3,4,7,8-HxCDF	206662600	0.51 y	32:17	0.9756	100.00 n
1,2,3,4,7,8-HxCDF	125916200	1.16 y	32:18	1.2186	50.00 n
1,2,3,6,7,8-HxCDF	145591100	1.17 y	32:23	1.4090	50.00 n
2,3,4,6,7,8-HxCDF	139989400	1.18 y	32:55	1.3548	50.00 n
1,2,3,7,8,9-HxCDF	129462400	1.18 y	33:33	1.2529	50.00 n
Total HxCDF	-	- n	-	1.3088	200.00 n
13C-1,2,3,6,7,8-HxCDD	194269900	1.31 y	33:07	0.9171	100.00 n
1,2,3,4,7,8-HxCDD	94117900	1.23 y	33:03	0.9689	50.00 n
1,2,3,6,7,8-HxCDD	106981800	1.27 y	33:08	1.1014	50.00 n
1,2,3,7,8,9-HxCDD	108772200	1.25 y	33:23	1.1198	50.00 n
Total HxCDD	-	- n	-	1.0634	150.00 n
13C-1,2,3,4,6,7,8-HpCDF	194898500	0.43 y	34:53	0.9201	100.00 n
1,2,3,4,6,7,8-HpCDF	131367000	1.01 y	34:54	1.3481	50.00 n
1,2,3,4,7,8,9-HpCDF	108439900	1.02 y	36:02	1.1128	50.00 n
Total HpCDF	-	- n	-	1.2304	100.00 n
13C-1,2,3,4,6,7,8-HpCDD	176478000	1.04 y	35:43	0.8331	100.00 n
1,2,3,4,6,7,8-HpCDD	94723500	1.02 y	35:43	1.0735	50.00 n
Total HpCDD	-	- n	-	1.0735	50.00 n
13C-OCDD	266609000	0.89 y	38:16	0.6293	200.00 n
OCDF	179957800	0.91 y	38:23	1.3500	100.00 n
OCDD	154054800	0.90 y	38:16	1.1557	100.00 n

Run #5 Filename 21JL10A4D5 S: 8 I: 1
 Acquired: 21-JUL-10 19:49:00 Processed: 22-JUL-10 12:01:13
 Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5

Comments:

Sample text: ST0721E :CS-4 10DXN337

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	363554000	0.80 y	20:01	-	100.00	n
13C-2,3,7,8-TCDF	402416000	0.79 y	19:24	1.1069	100.00	n
2,3,7,8-TCDF	166293900	0.77 y	19:25	1.0331	40.00	n
Total TCDF	-	- n	-	1.0331	40.00	n
13C-2,3,7,8-TCDD	314971000	0.80 y	20:13	0.8664	100.00	n
2,3,7,8-TCDD	127934900	0.78 y	20:15	1.0154	40.00	n
Total TCDD	-	- n	-	1.0154	40.00	n
37Cl-2,3,7,8-TCDD	166729600	1.00 y	20:15	1.3234	40.00	n
13C-1,2,3,7,8-PeCDF	317818000	1.53 y	25:17	0.8742	100.00	n
1,2,3,7,8-PeCDF	712080000	1.54 y	25:19	1.1203	200.00	n
2,3,4,7,8-PeCDF	692103000	1.53 y	26:51	1.0888	200.00	n
Total F2 PeCDF	-	- n	-	1.1045	400.00	n
Total F1 PeCDF	-	- n	-	1.1045	400.00	n
13C-1,2,3,7,8-PeCDD	237598000	1.55 y	27:40	0.6535	100.00	n
1,2,3,7,8-PeCDD	458679000	1.50 y	27:43	0.9652	200.00	n
Total PeCDD	-	- n	-	0.9652	200.00	n
13C-1,2,3,7,8,9-HxCDD	248923000	1.30 y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	267009400	0.51 y	32:16	1.0727	100.00	n
1,2,3,4,7,8-HxCDF	658410000	1.16 y	32:17	1.2329	200.00	n
1,2,3,6,7,8-HxCDF	673142000	1.18 y	32:24	1.2605	200.00	n
2,3,4,6,7,8-HxCDF	645815000	1.17 y	32:54	1.2093	200.00	n
1,2,3,7,8,9-HxCDF	567208000	1.17 y	33:33	1.0621	200.00	n
Total HxCDF	-	- n	-	1.1912	800.00	n
13C-1,2,3,6,7,8-HxCDD	197349200	1.31 y	33:06	0.7928	100.00	n
1,2,3,4,7,8-HxCDD	458143000	1.26 y	33:03	1.1607	200.00	Y ✓
1,2,3,6,7,8-HxCDD	484675000	1.28 y	33:07	1.2280	200.00	Y ✓
1,2,3,7,8,9-HxCDD	488147000	1.26 y	33:23	1.2368	200.00	n
Total HxCDD	-	- n	-	1.2085	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	214761200	0.43 y	34:53	0.8628	100.00	n
1,2,3,4,6,7,8-HpCDF	593215000	1.01 y	34:54	1.3811	200.00	n
1,2,3,4,7,8,9-HpCDF	485366000	1.01 y	36:03	1.1300	200.00	n
Total HpCDF	-	- n	-	1.2556	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	197451500	1.05 y	35:42	0.7932	100.00	n
1,2,3,4,6,7,8-HpCDD	435214000	1.03 y	35:43	1.1021	200.00	n
Total HpCDD	-	- n	-	1.1021	200.00	n
13C-OCDD	291770000	0.90 y	38:16	0.5861	200.00	n
OCDF	820312000	0.90 y	38:23	1.4058	400.00	n

OCDD 694943000 0.90 y 38:16 1.1909 400.00 n

Run #5 Filename 21JUL10A4D5 S: 8 I: 1
 Acquired: 21-JUL-10 19:49:00 Processed: 22-JUL-10 12:01:13
 Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5

Comments:

Sample text: ST0721E :CS-4 10DXN337

Name	Resp	RA	RT	RRF	Mod?
13C-1,2,3,4-TCDD	363554000	0.80 y	20:01	-	100.00 n
13C-2,3,7,8-TCDF	402416000	0.79 y	19:24	1.1069	100.00 n
2,3,7,8-TCDF	166293900	0.77 y	19:25	1.0331	40.00 n
Total TCDF	-	- n	-	1.0331	40.00 n
13C-2,3,7,8-TCDD	314971000	0.80 y	20:13	0.8664	100.00 n
2,3,7,8-TCDD	127934900	0.78 y	20:15	1.0154	40.00 n
Total TCDD	-	- n	-	1.0154	40.00 n
37Cl-2,3,7,8-TCDD	166729600	1.00 y	20:15	1.3234	40.00 n
13C-1,2,3,7,8-PeCDF	317818000	1.53 y	25:17	0.8742	100.00 n
1,2,3,7,8-PeCDF	712080000	1.54 y	25:19	1.1203	200.00 n
2,3,4,7,8-PeCDF	692103000	1.53 y	26:51	1.0888	200.00 n
Total F2 PeCDF	-	- n	-	1.1045	400.00 n
Total F1 PeCDF	-	- n	-	1.1045	400.00 n
13C-1,2,3,7,8-PeCDD	237598000	1.55 y	27:40	0.6535	100.00 n
1,2,3,7,8-PeCDD	458679000	1.50 y	27:43	0.9652	200.00 n
Total PeCDD	-	- n	-	0.9652	200.00 n
13C-1,2,3,7,8,9-HxCDD	248923000	1.30 y	33:22	-	100.00 n
13C-1,2,3,4,7,8-HxCDF	267009400	0.51 y	32:16	1.0727	100.00 n
1,2,3,4,7,8-HxCDF	658410000	1.16 y	32:17	1.2329	200.00 n
1,2,3,6,7,8-HxCDF	673142000	1.18 y	32:24	1.2605	200.00 n
2,3,4,6,7,8-HxCDF	645815000	1.17 y	32:54	1.2093	200.00 n
1,2,3,7,8,9-HxCDF	567208000	1.17 y	33:33	1.0621	200.00 n
Total HxCDF	-	- n	-	1.1912	800.00 n
13C-1,2,3,6,7,8-HxCDD	197349200	1.31 y	33:06	0.7928	100.00 n
1,2,3,4,7,8-HxCDD	422231040	1.45 y	33:03	1.0698	200.00 n
1,2,3,6,7,8-HxCDD	481044000	1.12 y	33:07	1.2188	200.00 n
1,2,3,7,8,9-HxCDD	488146000	1.26 y	33:23	1.2368	200.00 n
Total HxCDD	-	- n	-	1.1751	600.00 n
13C-1,2,3,4,6,7,8-HpCDF	214761200	0.43 y	34:53	0.8628	100.00 n
1,2,3,4,6,7,8-HpCDF	593215000	1.01 y	34:54	1.3811	200.00 n
1,2,3,4,7,8,9-HpCDF	485366000	1.01 y	36:03	1.1300	200.00 n
Total HpCDF	-	- n	-	1.2556	400.00 n
13C-1,2,3,4,6,7,8-HpCDD	197451500	1.05 y	35:42	0.7932	100.00 n
1,2,3,4,6,7,8-HpCDD	435214000	1.03 y	35:43	1.1021	200.00 n
Total HpCDD	-	- n	-	1.1021	200.00 n
13C-OCDD	291770000	0.90 y	38:16	0.5861	200.00 n
OCDF	820312000	0.90 y	38:23	1.4058	400.00 n
OCDD	694943000	0.90 y	38:16	1.1909	400.00 n

Run #4 Filename 21JUL10A4D5 S: 7 I: 1
 Acquired: 21-JUL-10 19:03:58 Processed: 22-JUL-10 12:01:12
 Run: 15SE098D2 Analyte: TO9 Cal: TO90721104D5
 Comments:

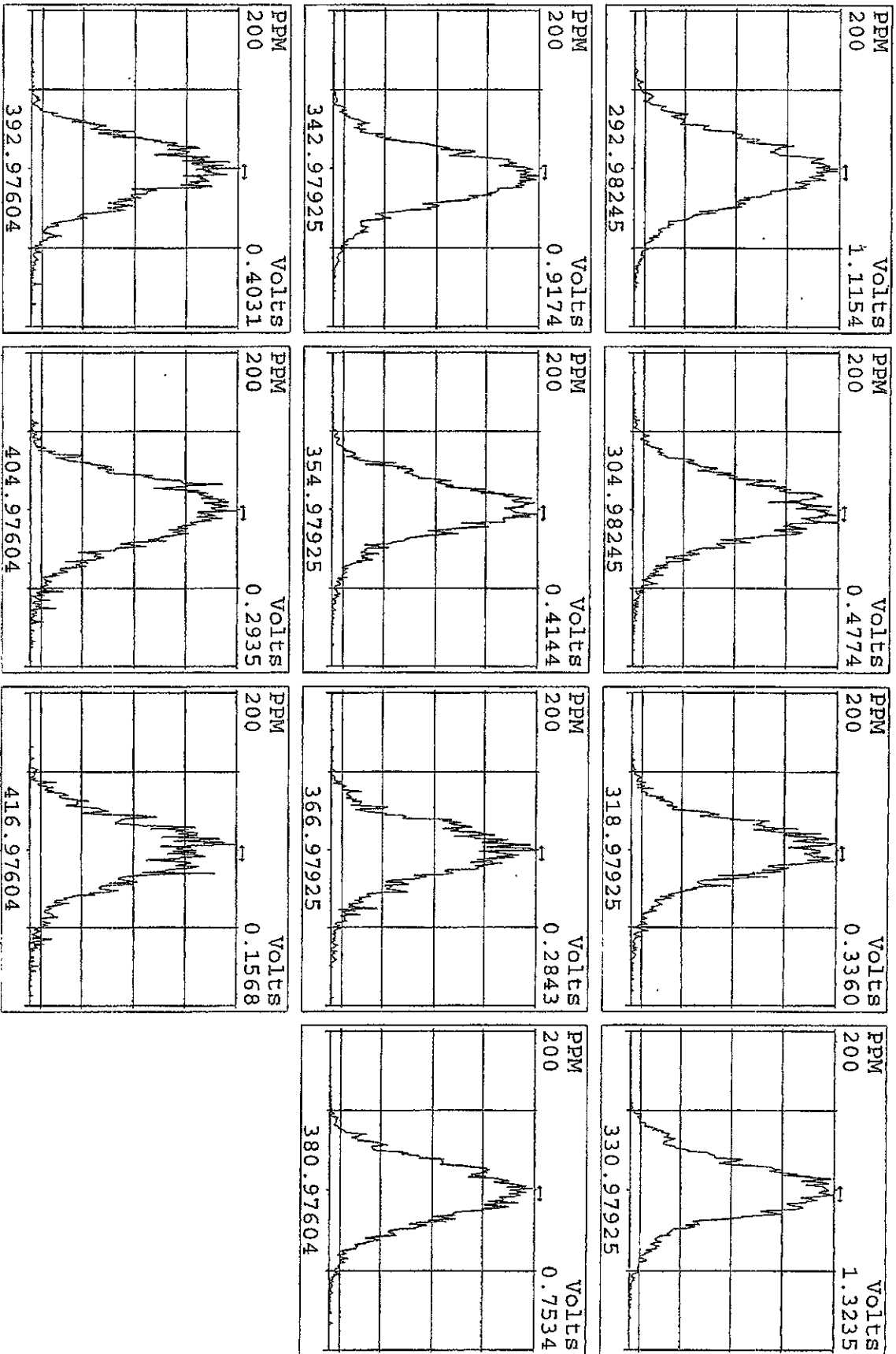
Sample text: ST0721D :CS-5 10DXN339

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	350659000	0.80 y	20:02	-	100.00	n
13C-2,3,7,8-TCDF	360772000	0.79 y	19:24	1.0288	100.00	n
2,3,7,8-TCDF	697458000	0.77 y	19:25	0.9666	200.00	n
Total TCDF	-	- n	-	0.9666	200.00	n
13C-2,3,7,8-TCDD	309835000	0.78 y	20:14	0.8836	100.00	n
2,3,7,8-TCDD	626791000	0.79 y	20:16	1.0115	200.00	n
Total TCDD	-	- n	-	1.0115	200.00	n
37C1-2,3,7,8-TCDD	837356000	1.00 y	20:15	1.3513	200.00	n
13C-1,2,3,7,8-PeCDF	310980000	1.54 y	25:18	0.8868	100.00	n
1,2,3,7,8-PeCDF	3461250000	1.54 y	25:20	1.1130	1000.00	n
2,3,4,7,8-PeCDF	3239400000	1.52 y	26:52	1.0417	1000.00	n
Total F2 PeCDF	-	- n	-	1.0773	2000.00	n
Total F1 PeCDF	-	- n	-	1.0773	2000.00	n
13C-1,2,3,7,8-PeCDD	235100700	1.56 y	27:42	0.6705	100.00	n
1,2,3,7,8-PeCDD	2235314000	1.50 y	27:44	0.9508	1000.00	n
Total PeCDD	-	- n	-	0.9508	1000.00	n
13C-1,2,3,7,8,9-HxCDD	256316000	1.29 y	33:22	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	256243600	0.51 y	32:16	0.9997	100.00	n
1,2,3,4,7,8-HxCDF	3131920000	1.15 y	32:17	1.2222	1000.00	n
1,2,3,6,7,8-HxCDF	3410730000	1.19 y	32:24	1.3311	1000.00	n
2,3,4,6,7,8-HxCDF	3245730000	1.18 y	32:55	1.2667	1000.00	n
1,2,3,7,8,9-HxCDF	2825950000	1.18 y	33:33	1.1028	1000.00	n
Total HxCDF	-	- n	-	1.2307	4000.00	n
13C-1,2,3,6,7,8-HxCDD	198188400	1.30 y	33:07	0.7732	100.00	n
1,2,3,4,7,8-HxCDD	2319900000	1.23 y	33:03	1.1706	1000.00	n
1,2,3,6,7,8-HxCDD	2219442000	1.26 y	33:07	1.1199	1000.00	n
1,2,3,7,8,9-HxCDD	2474590000	1.26 y	33:23	1.2486	1000.00	n
Total HxCDD	-	- n	-	1.1797	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	222373600	0.44 y	34:54	0.8676	100.00	n
1,2,3,4,6,7,8-HpCDF	3008480000	1.01 y	34:54	1.3529	1000.00	n
1,2,3,4,7,8,9-HpCDF	2503650000	1.02 y	36:03	1.1259	1000.00	n
Total HpCDF	-	- n	-	1.2394	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	196025300	1.04 y	35:42	0.7648	100.00	n
1,2,3,4,6,7,8-HpCDD	2131190000	1.02 y	35:43	1.0872	1000.00	n
Total HpCDD	-	- n	-	1.0872	1000.00	n
13C-OCDD	305368000	0.90 y	38:16	0.5957	200.00	n
OCDF	4252770000	0.90 y	38:23	1.3927	2000.00	n
OCDD	3562830000	0.90 y	38:16	1.1667	2000.00	n

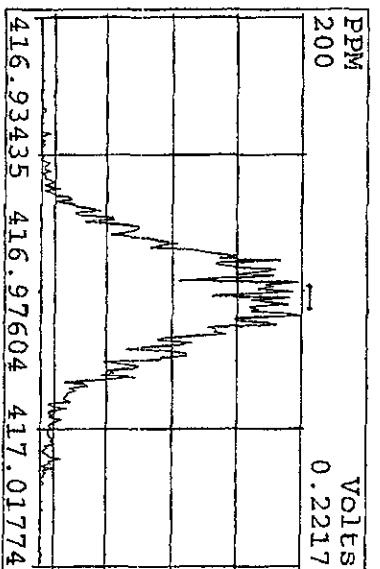
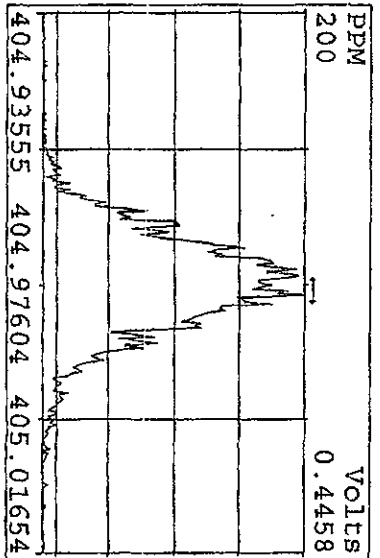
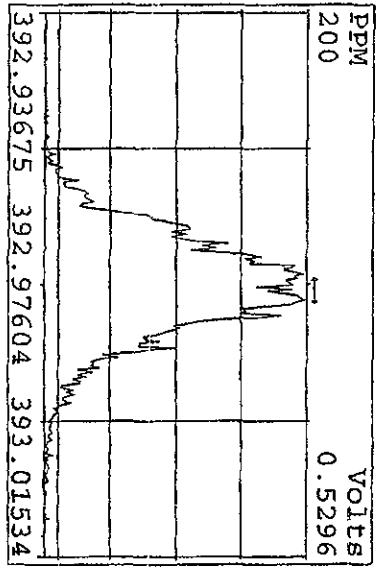
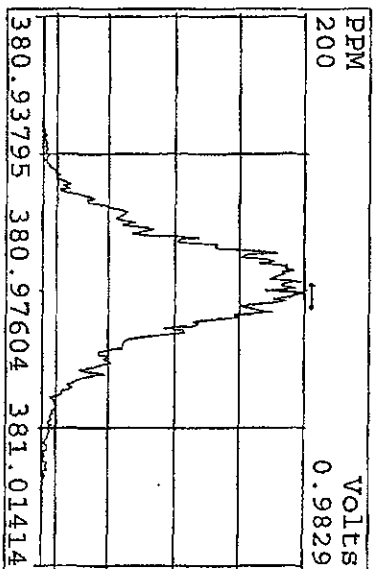
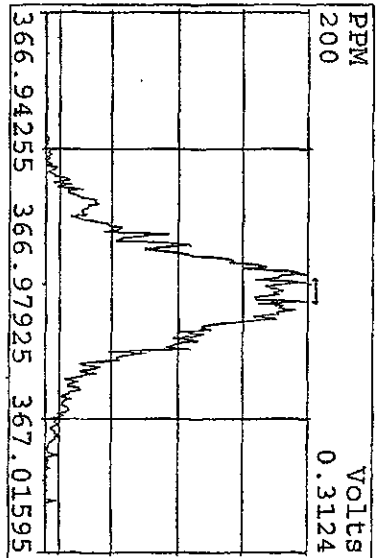
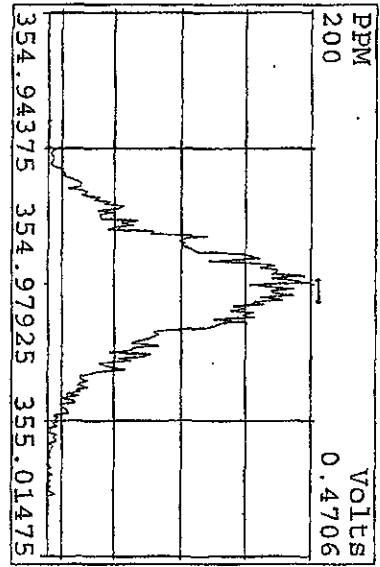
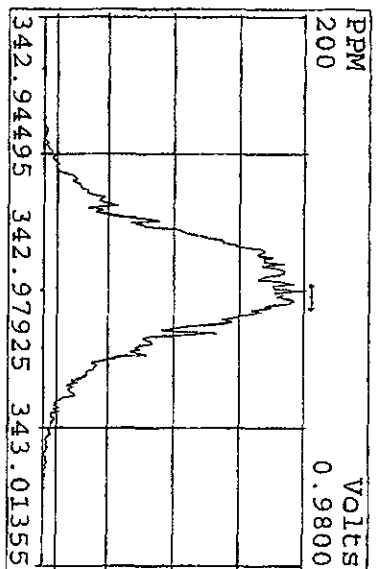
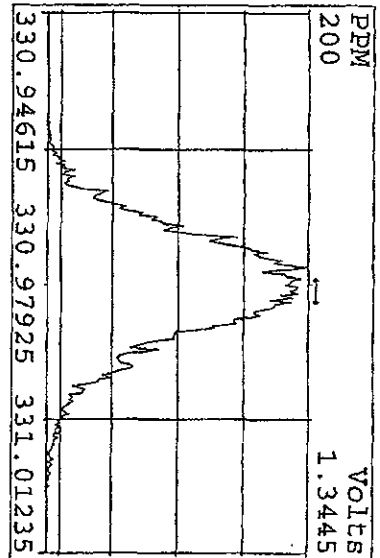
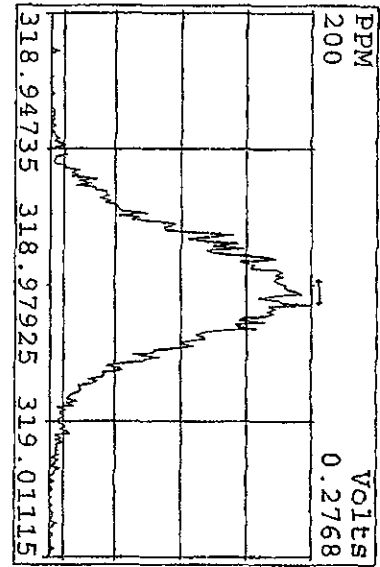
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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21JL10A4D5	2	SB0721	Solvent Blank C-14				1.00000	
21JL10A4D5	3	ST0721	CS-0.2 10DXN333 (Not used) sensitivity only				1.00000	
21JL10A4D5	4	ST0721A	CS-1 10DXN342				1.00000	
21JL10A4D5	5	ST0721B	CS-2 10DXN334				1.00000	
21JL10A4D5	6	ST0721C	CS-3 10DXN336				1.00000	
21JL10A4D5	7	ST0721D	CS-5 10DXN339				1.00000	
21JL10A4D5	8	ST0721E	CS-4 10DXN337				1.00000	
21JL10A4D5	9	ST0721F	2nd Source 10DXN340				1.00000	
21JL10A4D5	10						1.00000	
21JL10A4D5	11						1.00000	
21JL10A4D5	12						1.00000	
21JL10A4D5	13		KSS 07-21-10				1.00000	

*log file v'd
AK 7/22/10*

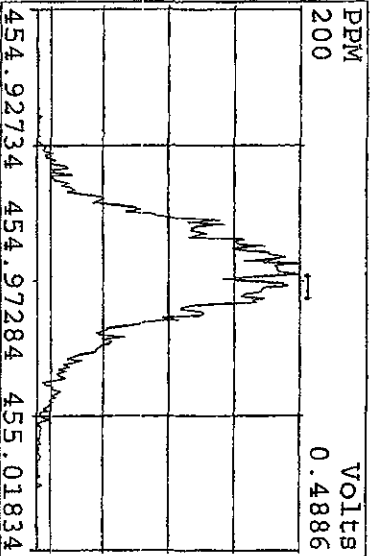
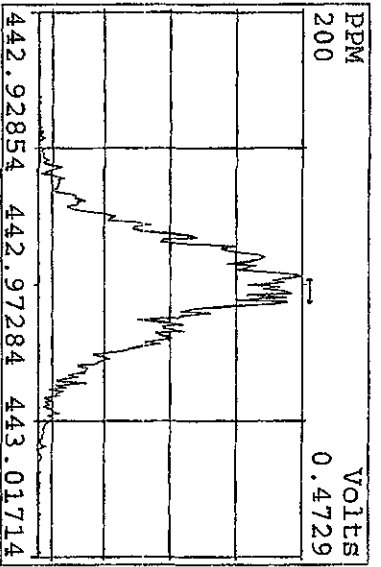
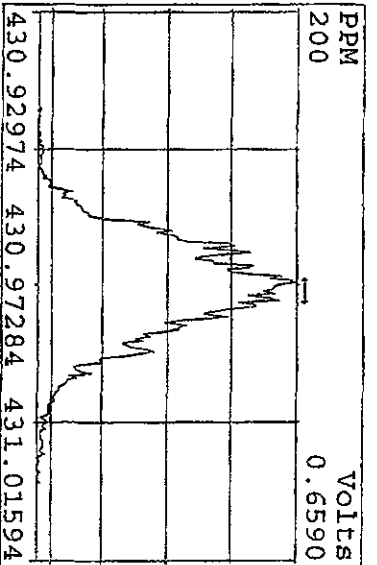
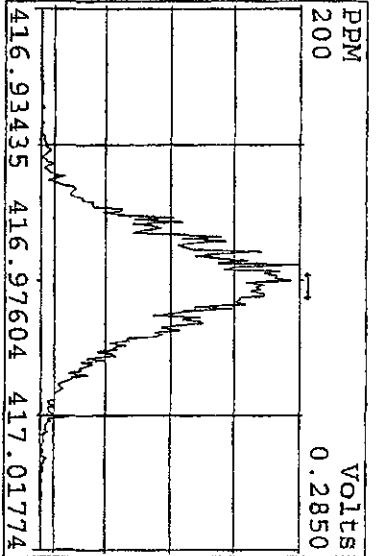
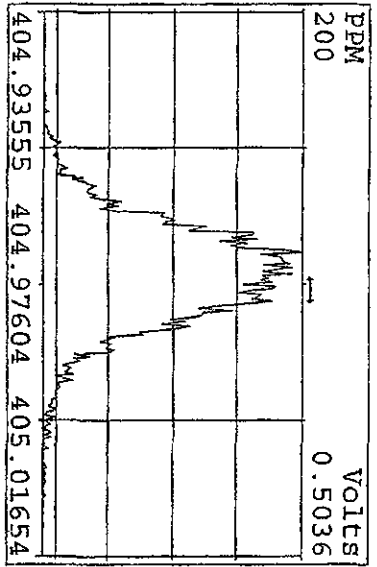
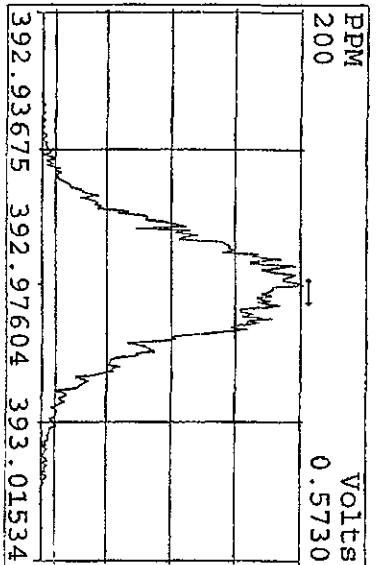
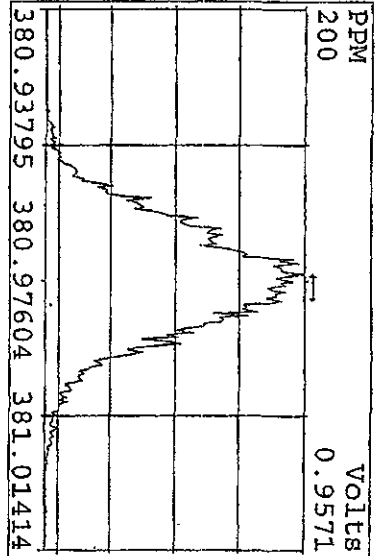
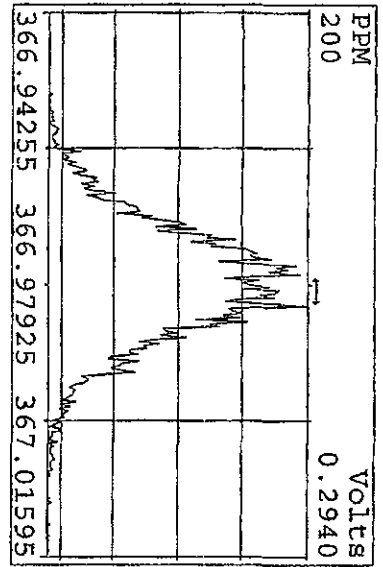
Peak Locate Examination: 21-JUL-2010: 14:30 File: 21JUL10A4D5
Experiment: DIOXINRHS Function: 1 Reference: PFK



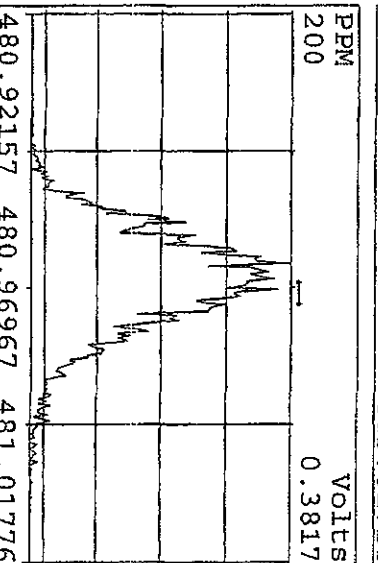
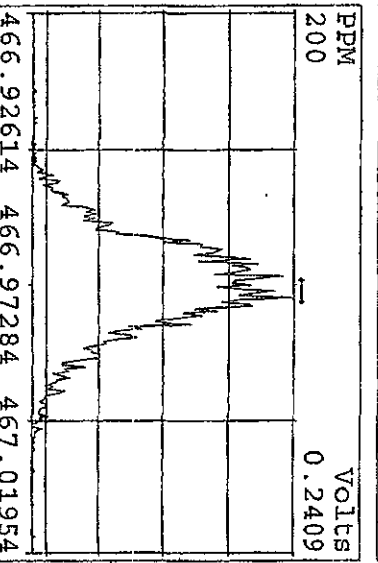
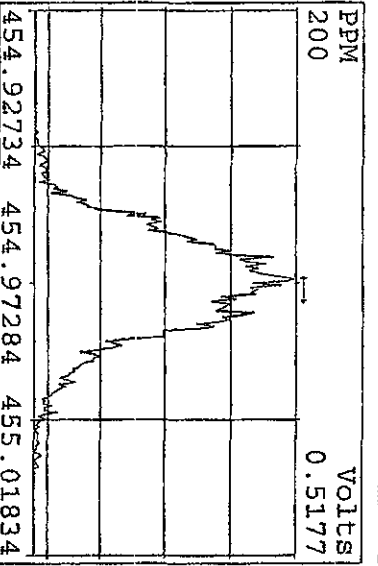
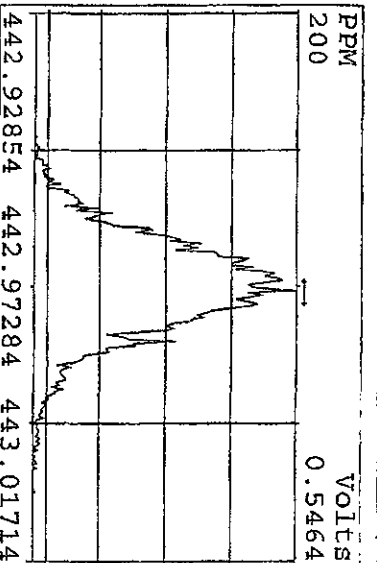
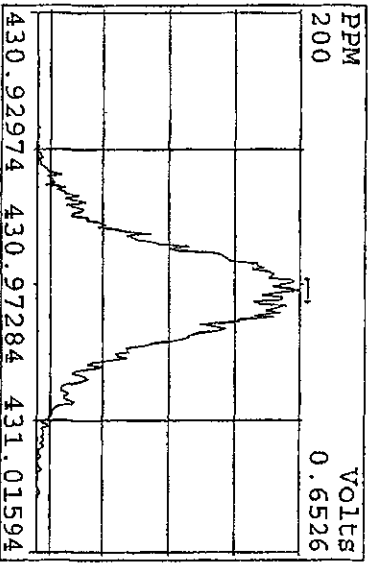
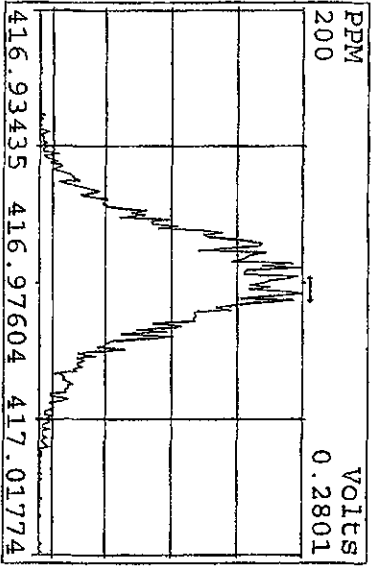
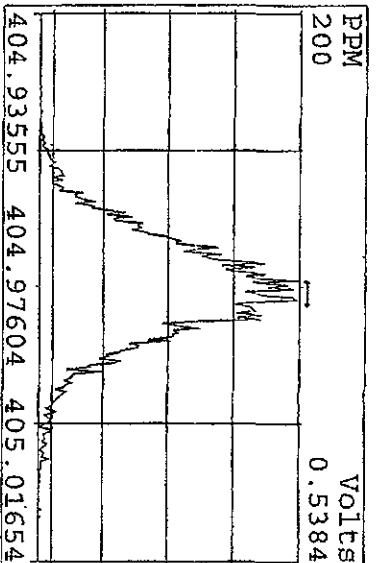
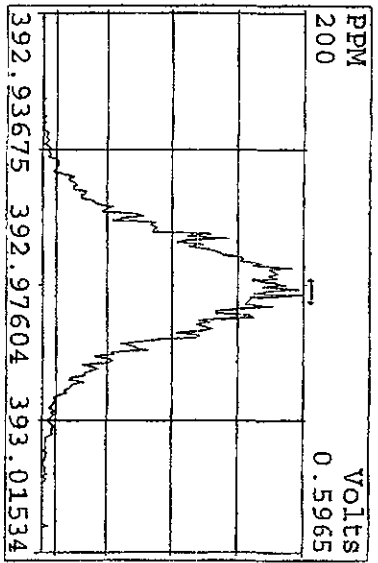
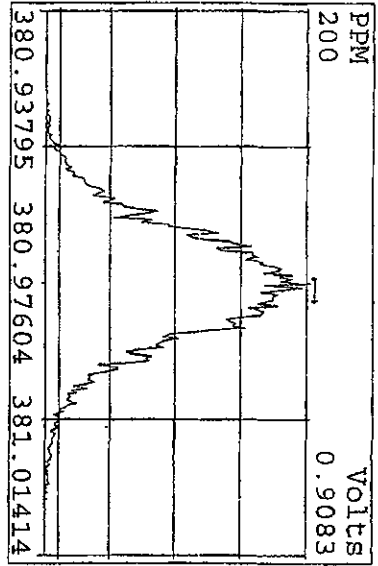
Peak Locate Examination: 21-JUL-2010:14:31 File: 21JUL10A4D5
 Experiment: DIOXINRES Function: 2 Reference: PFX



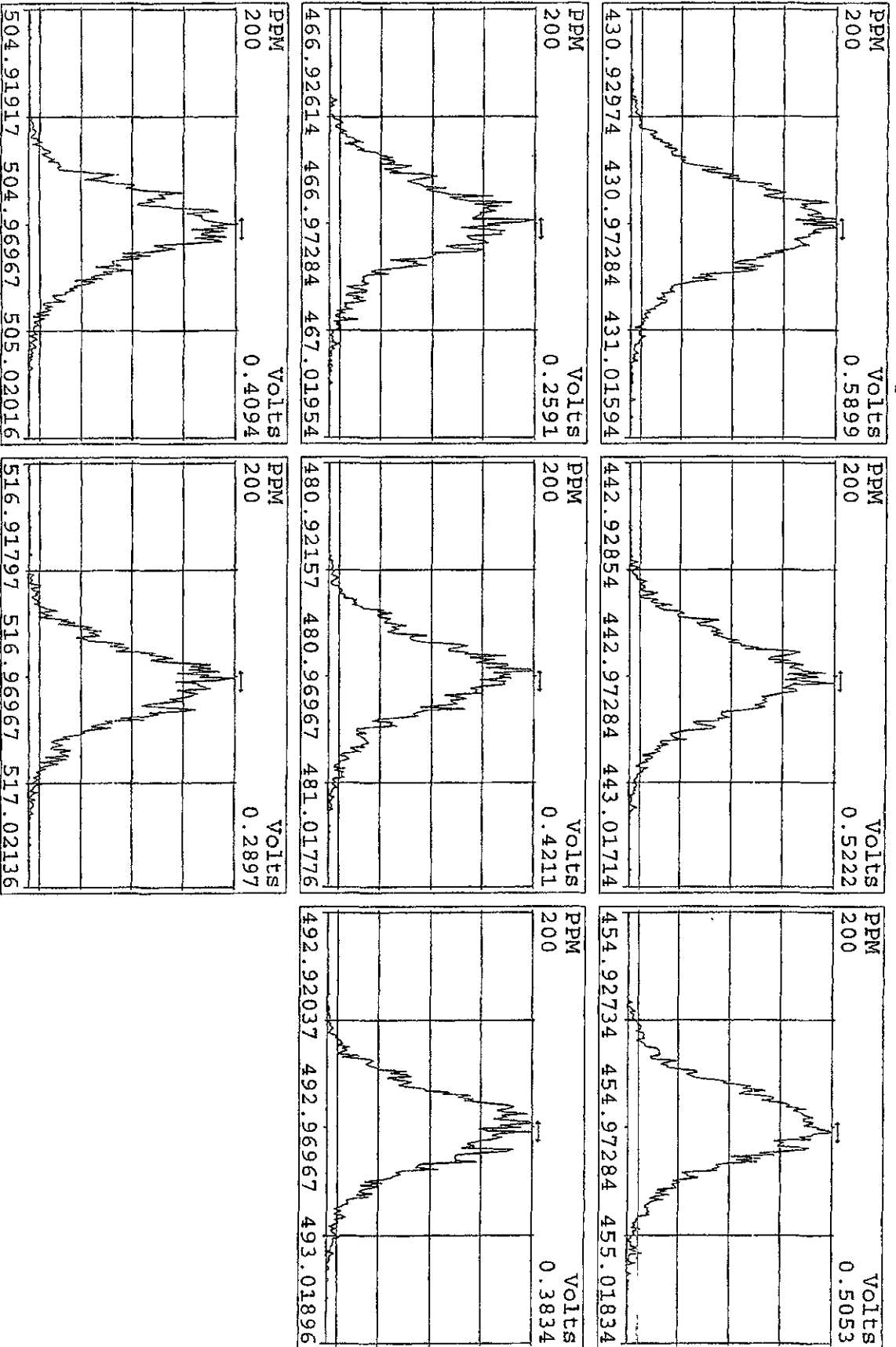
Peak Locate Examination: 21-JUL-2010:14:31 File: 21JUL10A4D5
 Experiment: DIOXINRS Function: 3 Reference: PFK



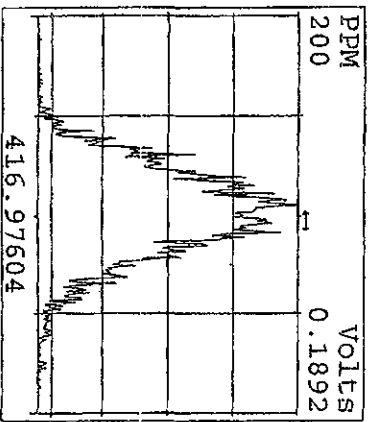
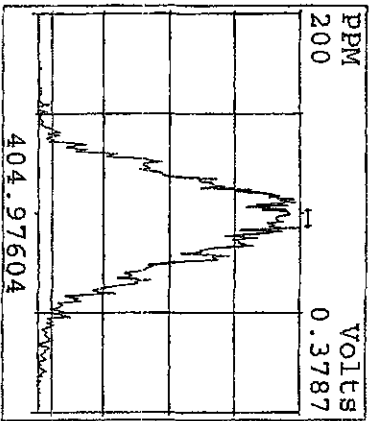
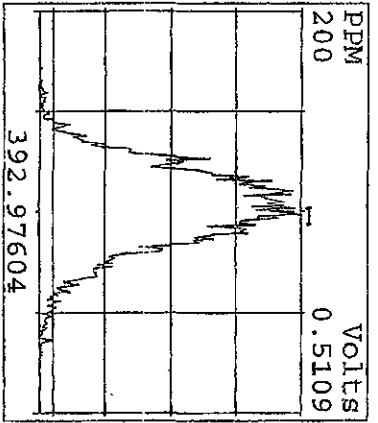
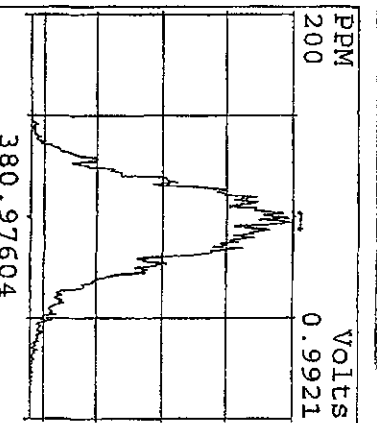
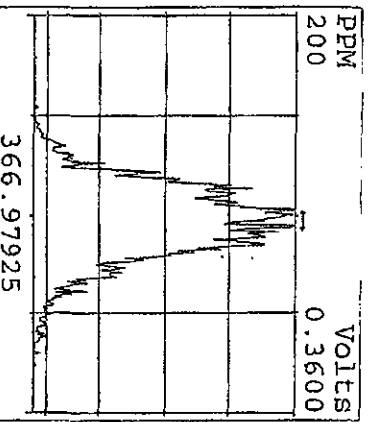
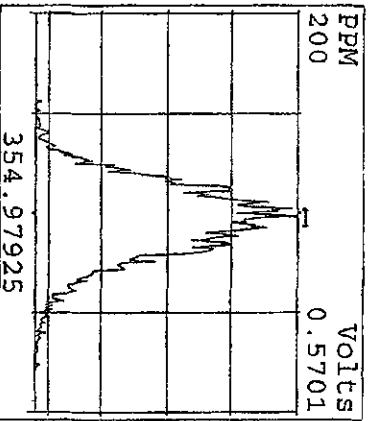
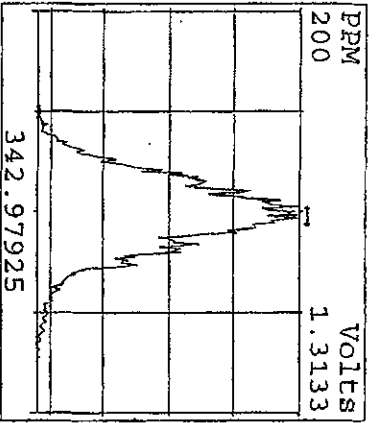
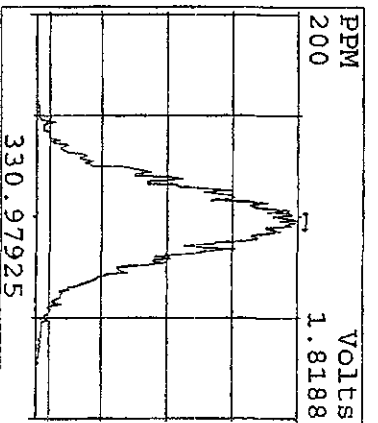
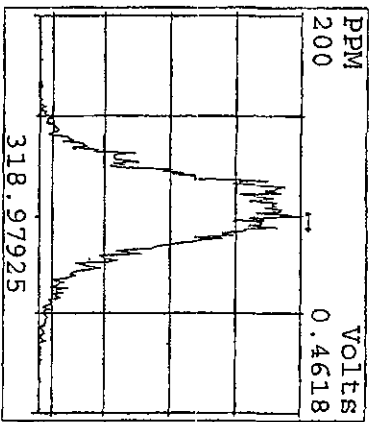
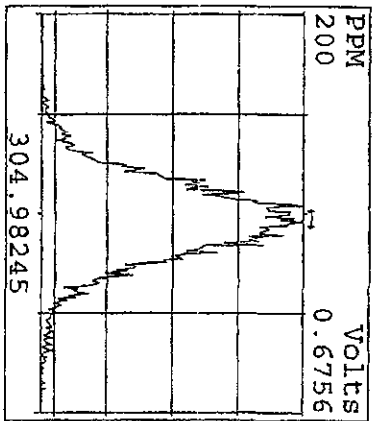
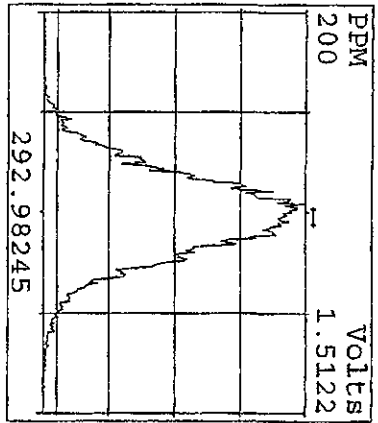
Peak Locate Examination: 21-JUL-2010:14:31 File: 21JUL10A4D5
 Experiment: DIOXINRES Function: 4 Reference: PFK



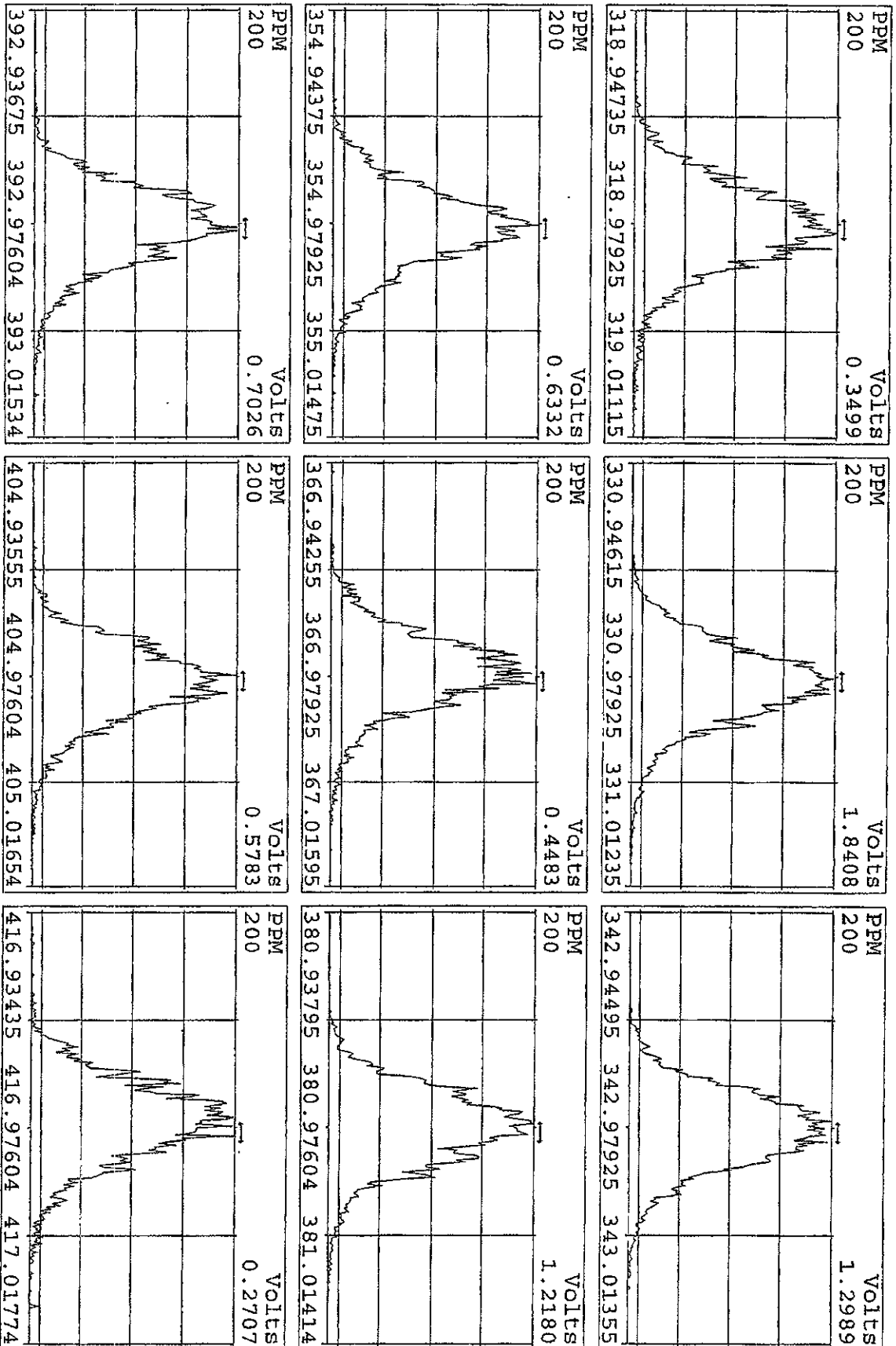
Peak Locate Examination: 21-JUL-2010: 14:31 File: 21JUL10A4D5
Experiment: DIOXINRES Function: 5 Reference: PK



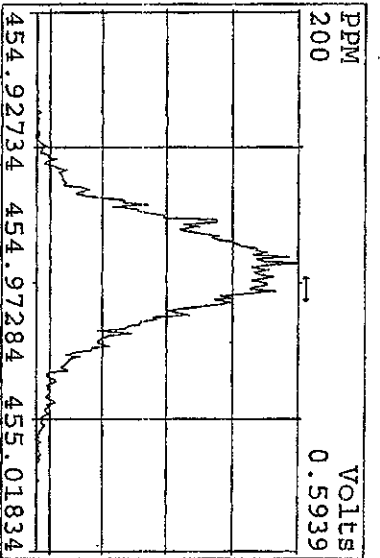
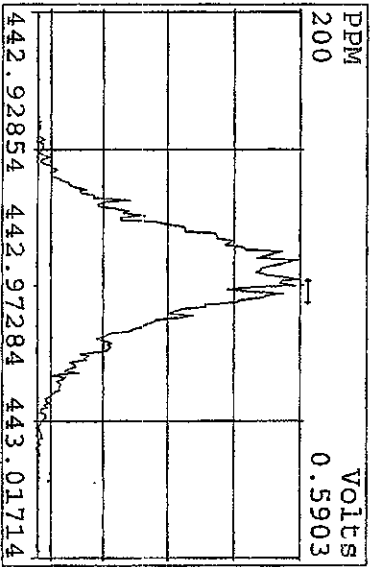
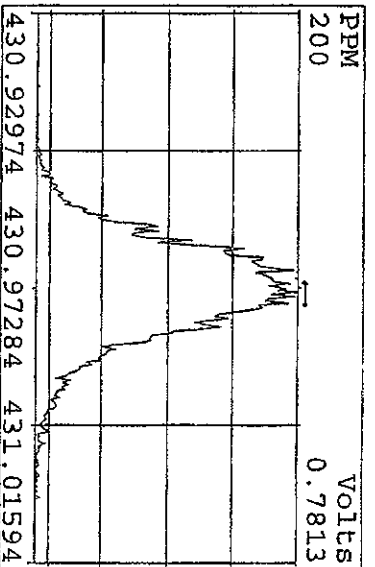
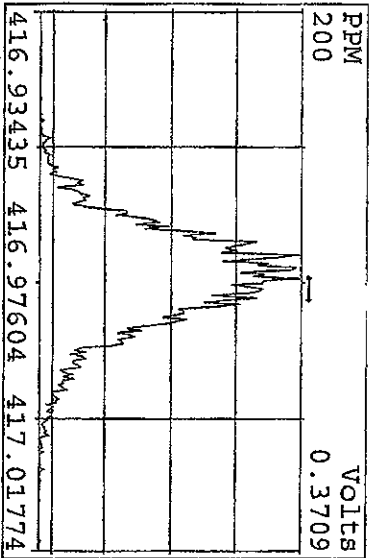
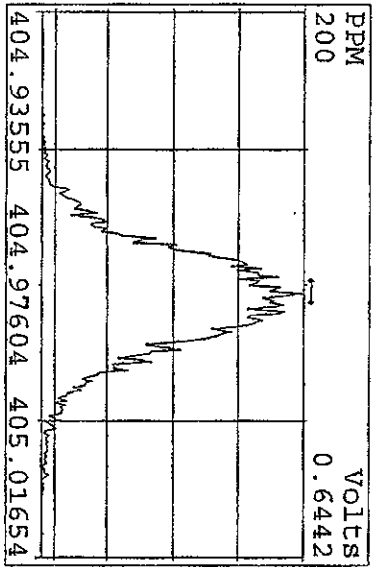
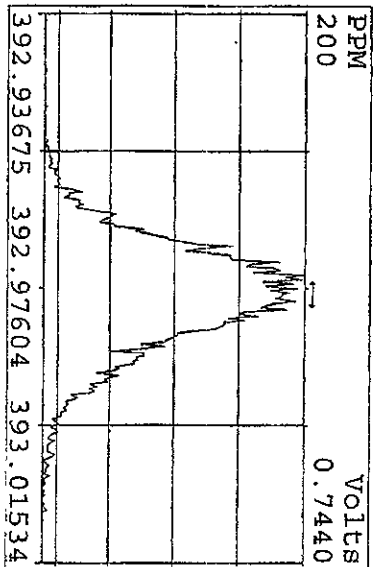
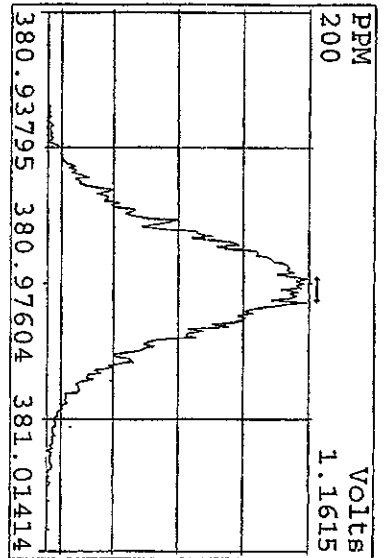
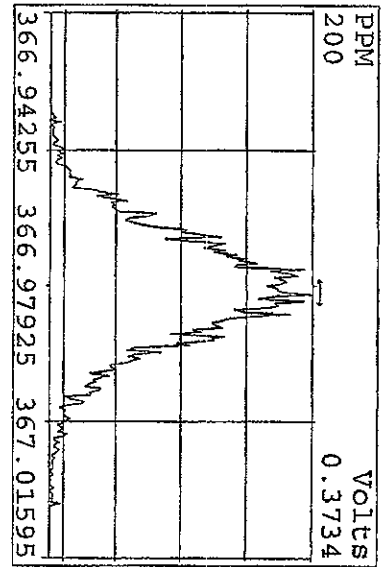
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Experiment: DIOXINRES Function: 1 Reference: PFK



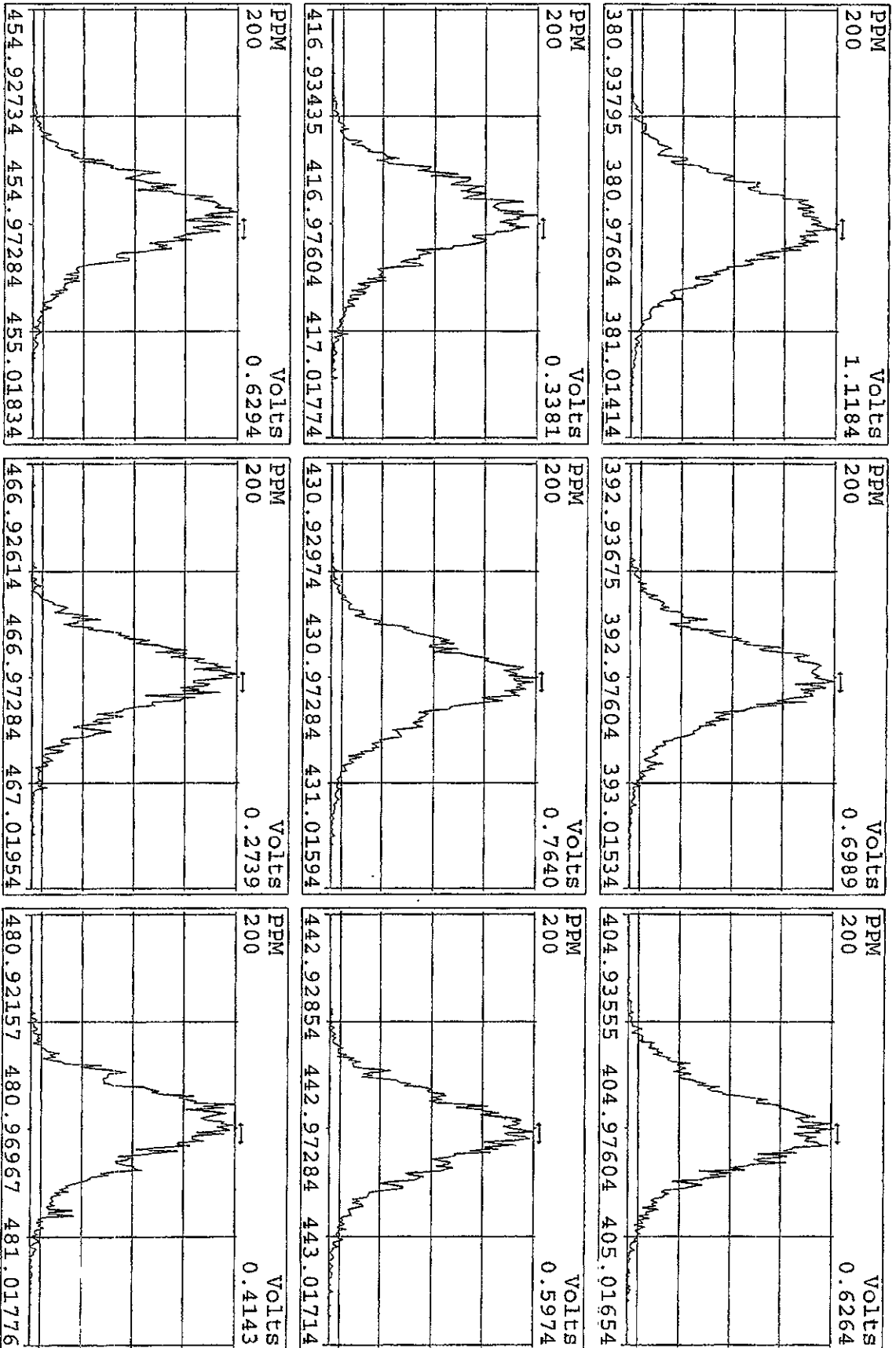
Peak Locate Examination: 21-JUL-2010: 21:40 File: RESCHK21JUL10A4DS
 Experiment: DIOXINRES Function: 2 Reference: PRK



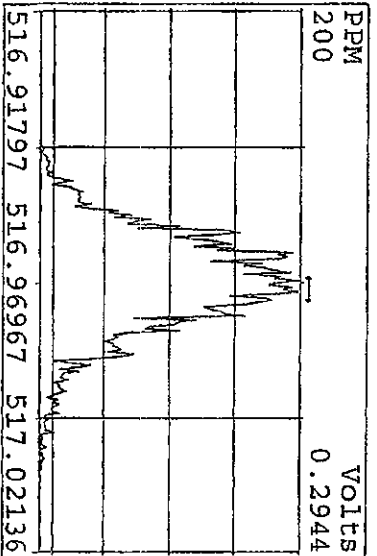
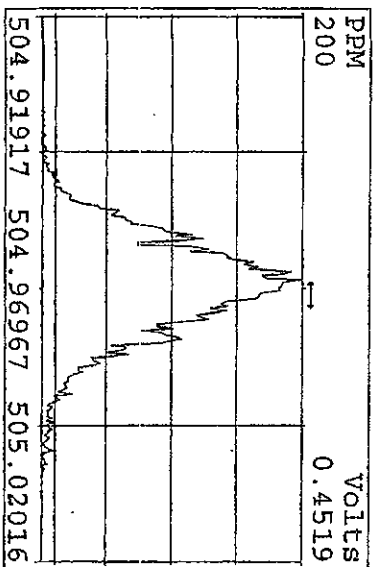
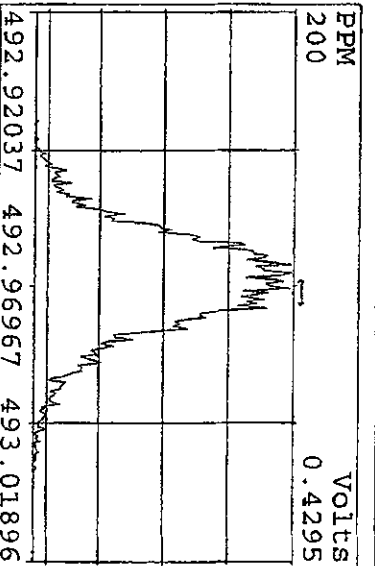
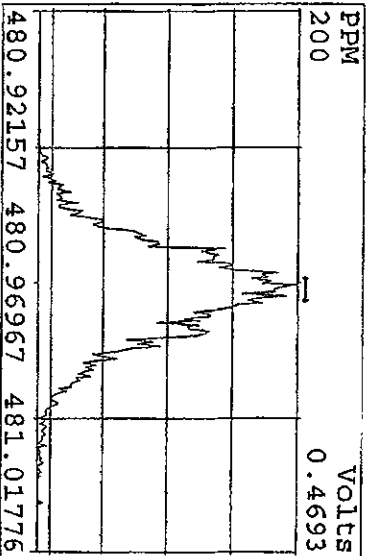
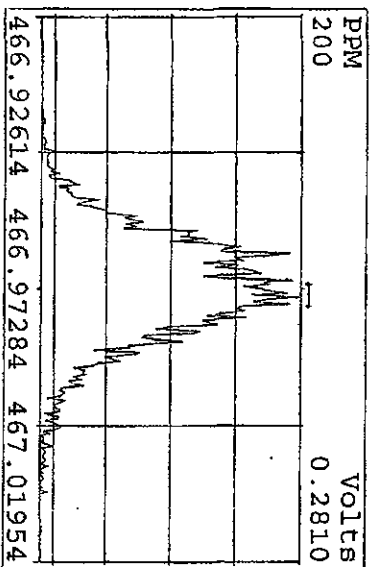
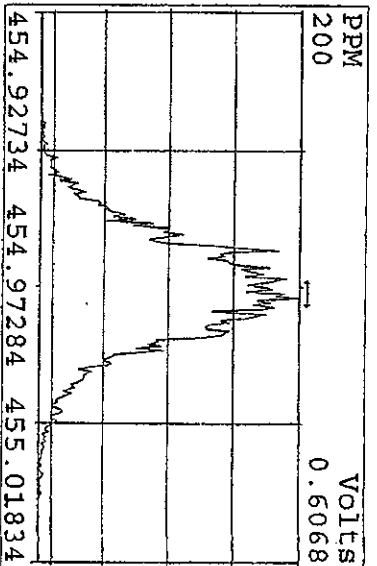
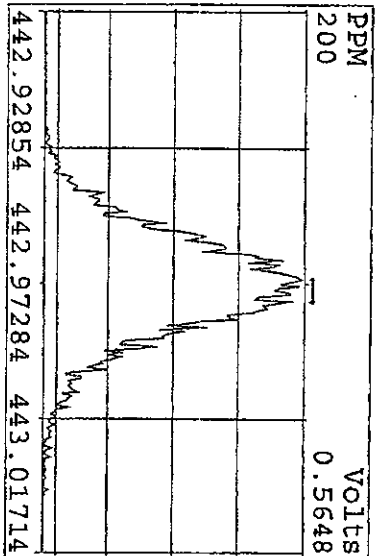
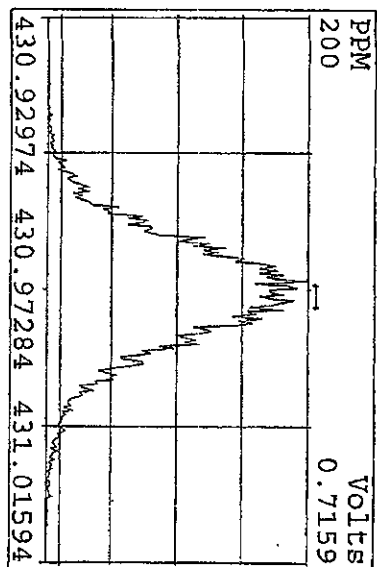
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 Experiment: DIOXINRS Function: 3 Reference: PKF



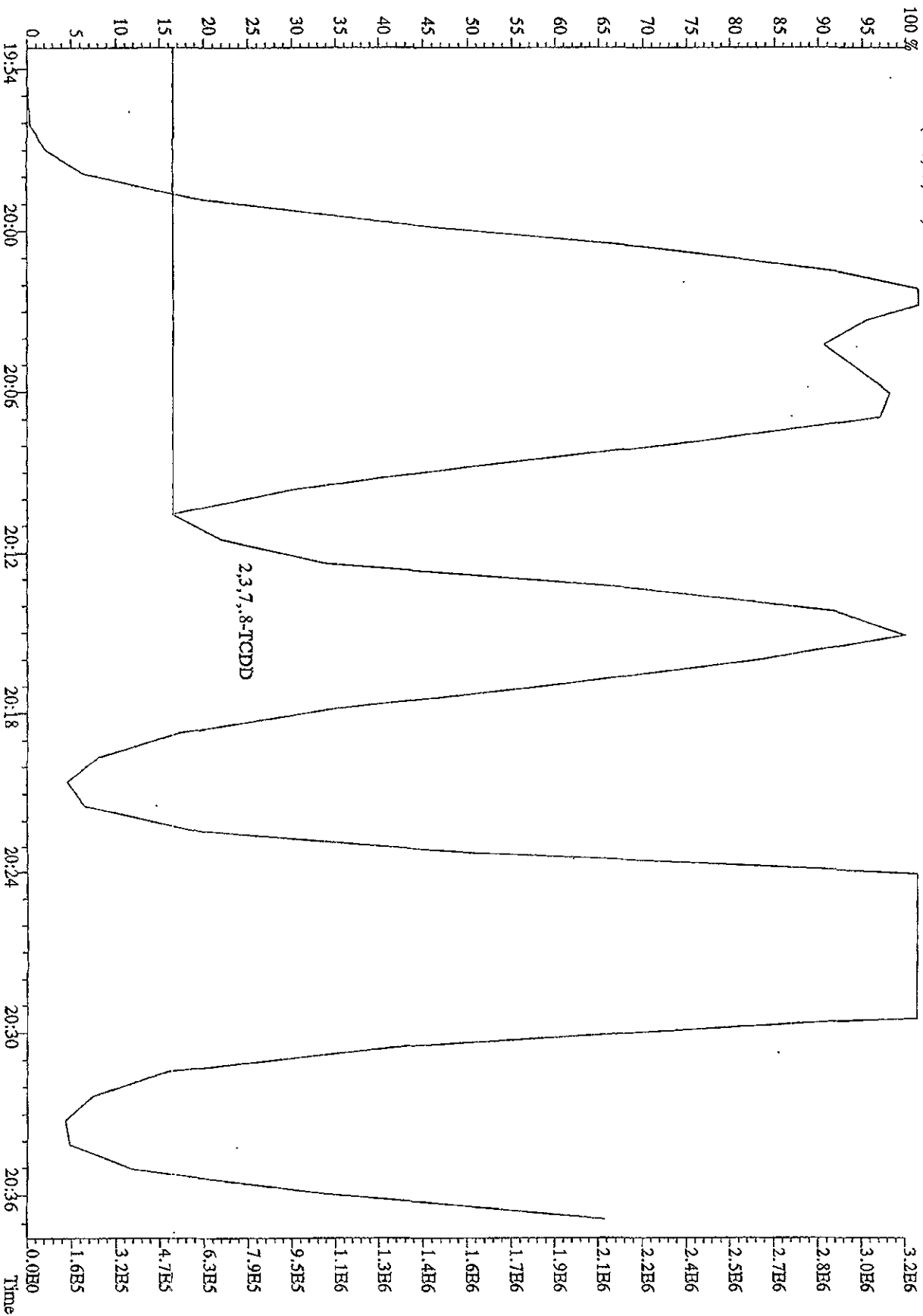
Peak Locate Examination: 21-JUL-2010: 21:41 File: RESCHK21JUL10A4DS
 Experiment: DIOXINRES Function: 4 Reference: PRK



Peak Locate Examination: 21-JUL-2010: 21:44 File: RESCHK21JUL10A4D5
 Experiment: DIOXINRES Function: 5 Reference: PFK



File:21JL10A4D5 #1-541 Acq:21-JUL-2010 14:32:55 GC FI+ Voltage SIR Autospec-UHhnaB
Sample#1 Exp:DIOXINRES
319.8965 BSUB(128,15,-3.0)



Run text: ST0721F Sample text: ST0721F :2nd Source 10DXN340
 Run #6 Filename: 21JL10A4D5 S: 9 I: 1 Results: 21JL10A4D51613SS
 Acquired: 21-JUL-10 20:34:02 Processed: 22-JUL-10 10:21:57
 Run: 21JL10A4D5 Analyte: 1613 Cal: 16130721104D5
 Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000

*Spiked @ 200/500/1000
7/27/10*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	307629000	0.78 y	20:01	-	92.11	-	-	n
13C-2,3,7,8-TCDF	413901000	0.78 y	19:24	1.23	2188.90	0.92	109.4	n
2,3,7,8-TCDF	38830800	0.76 y	19:25	0.99	188.67 <i>94.3%</i>	0.48	-	n
Total TCDF	39472107	1.33 n	17:31	0.99	191.78	0.48	-	n
13C-2,3,7,8-TCDD	294375000	0.78 y	20:13	0.91	2114.60	2.32	105.7	n
2,3,7,8-TCDD	27522700	0.81 y	20:14	0.98	190.13 <i>95%</i>	0.52	-	n
Total TCDD	27522700	0.81 y	20:14	0.98	190.13	0.52	-	n
37Cl-2,3,7,8-TCDD	76164600	1.00 y	20:14	1.20	412.65	0.41	103.2	n
13C-1,2,3,7,8-PeCDF	302436000	1.54 y	25:17	0.88	2244.44	1.40	112.2	n
1,2,3,7,8-PeCDF	77546500	1.54 y	25:19	1.08	476.31 <i>95.3%</i>	1.04	-	n
13C-2,3,4,7,8-PeCDF	271363000	1.54 y	26:49	0.88	2003.66	1.40	100.2	n
2,3,4,7,8-PeCDF	68923500	1.55 y	26:51	1.04	488.17 <i>97.6%</i>	1.32	-	n
Total F2 PeCDF	149591746	1.40 y	23:44	1.06	985.04	1.17	-	n
Total F1 PeCDF	*	* n	NotFnd	1.06	*	1.08	-	n
13C-1,2,3,7,8-PeCDD	187042900	1.56 y	27:41	0.66	1840.17	0.85	92.0	n
1,2,3,7,8-PeCDD	41178400	1.55 y	27:43	0.93	475.77 <i>95%</i>	1.23	-	n
Total PeCDD	41347624	2.76 n	25:18	0.93	477.73	1.23	-	n
13C-1,2,3,7,8,9-HxCDD	186030000	1.31 y	33:22	-	78.56	-	-	y
13C-1,2,3,4,7,8-HxCDF	197163100	0.50 y	32:16	1.04	2028.83	4.92	101.4	n
1,2,3,4,7,8-HxCDF	62815000	1.17 y	32:17	1.22	523.47 <i>104.7%</i>	1.49	-	n
13C-1,2,3,6,7,8-HxCDF	249545100	0.52 y	32:22	1.19	2251.50	4.31	112.6	n
1,2,3,6,7,8-HxCDF	64154700	1.18 y	32:24	1.12	458.58 <i>91.7%</i>	1.45	-	n
13C-2,3,4,6,7,8-HxCDF	228157700	0.51 y	32:54	1.12	2184.24	4.58	109.2	n
2,3,4,6,7,8-HxCDF	61275400	1.15 y	32:54	1.14	469.19 <i>93.3%</i>	1.35	-	n
13C-1,2,3,7,8,9-HxCDF	202978100	0.52 y	33:31	1.02	2140.44	5.04	107.0	n
1,2,3,7,8,9-HxCDF	54870000	1.19 y	33:32	1.12	482.01 <i>96.4%</i>	1.58	-	n
Total HxCDF	243548785	1.21 y	31:03	1.15	1936.68	1.46	-	n
13C-1,2,3,4,7,8-HxCDD	168448700	1.31 y	33:02	0.88	2067.53	1.23	103.4	y
1,2,3,4,7,8-HxCDD	39583500	1.24 y	33:03	0.98	479.57 <i>95.9%</i>	1.14	-	n
13C-1,2,3,6,7,8-HxCDD	171613300	1.31 y	33:06	0.83	2221.03	1.29	111.1	y
1,2,3,6,7,8-HxCDD	45328400	1.28 y	33:07	1.16	454.27 <i>90.8%</i>	0.97	-	n
1,2,3,7,8,9-HxCDD	45402600	1.24 y	33:22	1.15	465.05 <i>93%</i>	0.97	-	n
Total HxCDD	130450140	4.93 n	32:18	1.09	1400.35	1.02	-	n
13C-1,2,3,4,6,7,8-HpCDF	182370400	0.43 y	34:53	0.91	2154.51	6.23	107.7	n
1,2,3,4,6,7,8-HpCDF	58068900	1.00 y	34:54	1.35	473.20 <i>94.6%</i>	1.73	-	n
13C-1,2,3,4,7,8,9-HpCDF	150417500	0.43 y	36:02	0.76	2122.83	7.45	106.1	n
1,2,3,4,7,8,9-HpCDF	47489800	1.02 y	36:03	1.30	483.90 <i>96.3%</i>	2.38	-	n
Total HpCDF	107404819	1.00 y	34:54	1.33	973.82	2.02	-	n

13C-1,2,3,4,6,7,8-HpCDD	161779300	0.96	y	35:42	0.83	2104.12		5.07	105.2	n
1,2,3,4,6,7,8-HpCDD	42052300	1.04	y	35:43	1.07	485.09	97%	1.80	-	n
Total HpCDD	43164489	1.03	y	35:09	1.07	497.92		1.80	-	n
13C-OCDD	265623000	0.89	y	38:16	0.62	4606.72		4.74	115.2	n
OCDF	85350600	0.91	y	38:23	1.37	937.96	93.8%	1.38	-	n
OCDD	74923500	0.91	y	38:16	1.20	940.76	94%	1.58	-	n

Quantitation Summary

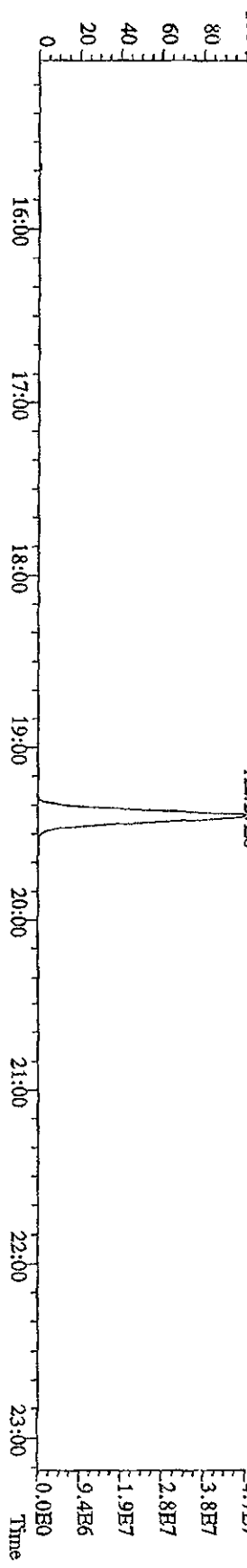
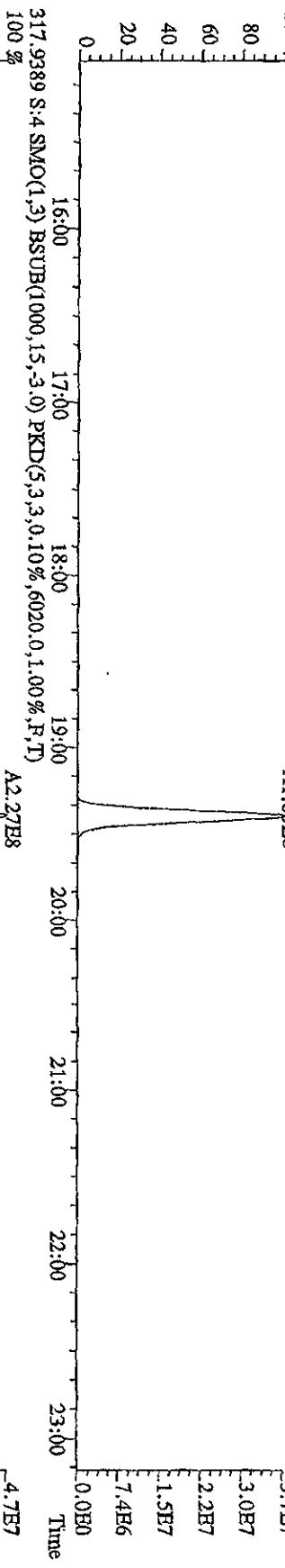
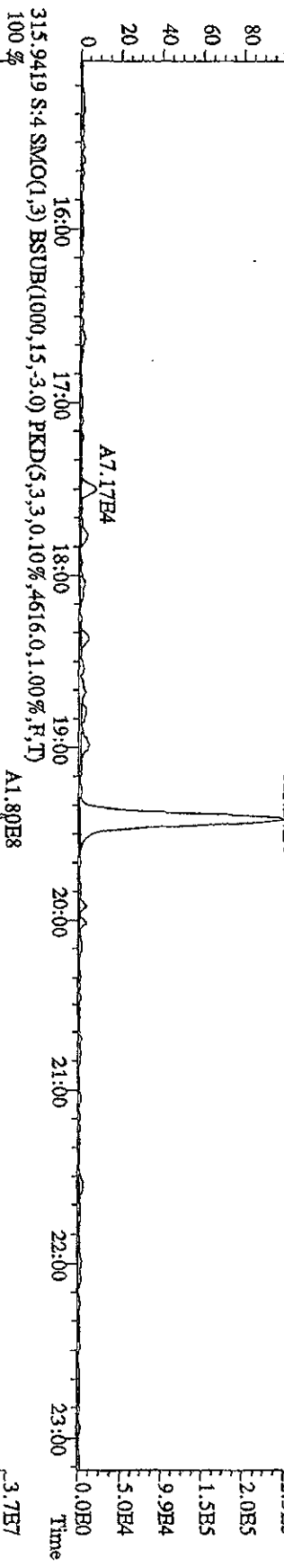
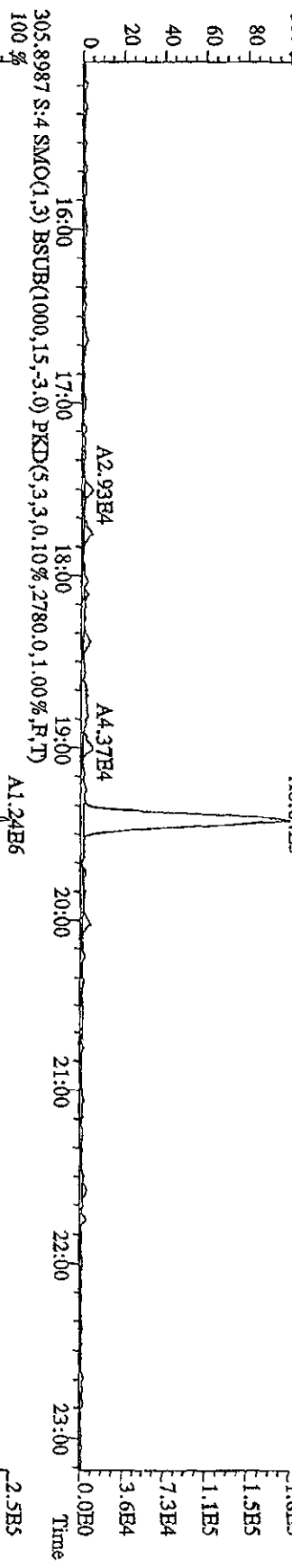
TestAmerica West Sacramento

Run text: ST0721F Sample text: ST0721F :2nd Source 10DXN340
 Run #6 Filename: 21JL10A4D5 S: 9 I: 1 Results: 21JL10A4D51613SS
 Acquired: 21-JUL-10 20:34:02 Processed: 22-JUL-10 10:21:57
 Run: 21JL10A4D5 Analyte: 1613 Cal: 16130721104D5
 Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000

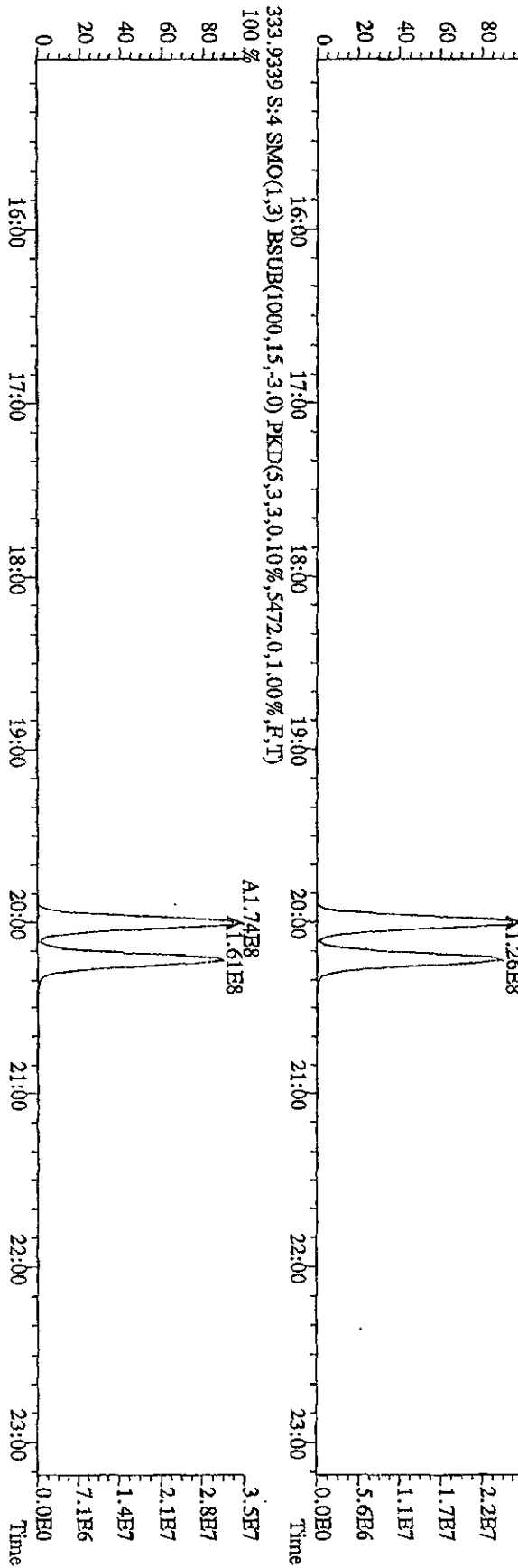
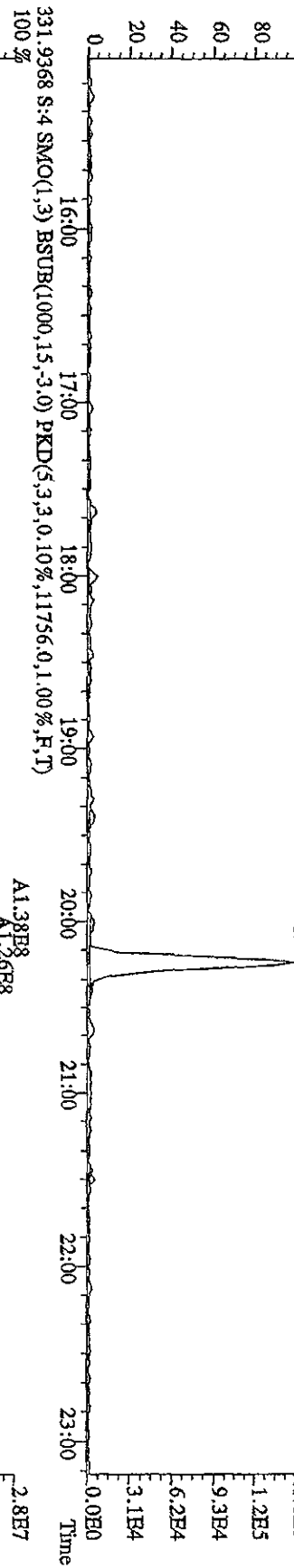
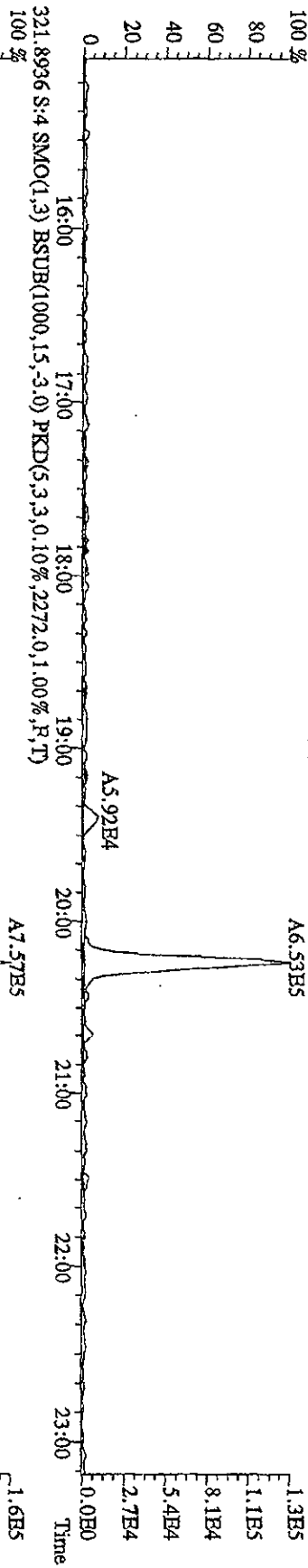
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	307629000	0.78 y	20:01	-	92.11	-	-	n
13C-2,3,7,8-TCDF	413901000	0.78 y	19:24	1.23	2188.90	0.92	109.4	n
2,3,7,8-TCDF	38830800	0.76 y	19:25	0.99	188.67	0.48	-	n
Total TCDF	39472107	1.33 n	17:31	0.99	191.78	0.48	-	n
13C-2,3,7,8-TCDD	294375000	0.78 y	20:13	0.91	2114.60	2.32	105.7	n
2,3,7,8-TCDD	27522700	0.81 y	20:14	0.98	190.13	0.52	-	n
Total TCDD	27522700	0.81 y	20:14	0.98	190.13	0.52	-	n
37Cl-2,3,7,8-TCDD	76164600	1.00 y	20:14	1.20	412.65	0.41	103.2	n
13C-1,2,3,7,8-PeCDF	302436000	1.54 y	25:17	0.88	2244.44	1.40	112.2	n
1,2,3,7,8-PeCDF	77546500	1.54 y	25:19	1.08	476.31	1.04	-	n
13C-2,3,4,7,8-PeCDF	271363000	1.54 y	26:49	0.88	2003.66	1.40	100.2	n
2,3,4,7,8-PeCDF	68923500	1.55 y	26:51	1.04	488.17	1.32	-	n
Total F2 PeCDF	149591746	1.40 y	23:44	1.06	985.04	1.17	-	n
Total F1 PeCDF	*	* n	NotFnd	1.06	*	1.08	-	n
13C-1,2,3,7,8-PeCDD	187042900	1.56 y	27:41	0.66	1840.17	0.85	92.0	n
1,2,3,7,8-PeCDD	41178400	1.55 y	27:43	0.93	475.77	1.23	-	n
Total PeCDD	41347624	2.76 n	25:18	0.93	477.73	1.23	-	n
13C-1,2,3,7,8,9-HxCDD	186073000	1.31 y	33:22	-	78.58	-	-	n
13C-1,2,3,4,7,8-HxCDF	197163100	0.50 y	32:16	1.04	2028.36	4.92	101.4	n
1,2,3,4,7,8-HxCDF	62815000	1.17 y	32:17	1.22	523.47	1.49	-	n
13C-1,2,3,6,7,8-HxCDF	249545100	0.52 y	32:22	1.19	2250.98	4.31	112.5	n
1,2,3,6,7,8-HxCDF	64154700	1.18 y	32:24	1.12	458.58	1.45	-	n
13C-2,3,4,6,7,8-HxCDF	228157700	0.51 y	32:54	1.12	2183.74	4.58	109.2	n
2,3,4,6,7,8-HxCDF	61275400	1.15 y	32:54	1.14	469.19	1.35	-	n
13C-1,2,3,7,8,9-HxCDF	202978100	0.52 y	33:31	1.02	2139.94	5.04	107.0	n
1,2,3,7,8,9-HxCDF	54870000	1.19 y	33:32	1.12	482.01	1.58	-	n
Total HxCDF	243548785	1.21 y	31:03	1.15	1936.68	1.46	-	n
13C-1,2,3,4,7,8-HxCDD	151949728	1.50 n	33:02	0.88	1864.59	1.23	93.2	n
1,2,3,4,7,8-HxCDD	39583500	1.24 y	33:03	0.98	531.65	1.26	-	n
13C-1,2,3,6,7,8-HxCDD	170186500	1.15 y	33:06	0.83	2202.05	1.29	110.1	n
1,2,3,6,7,8-HxCDD	45328400	1.28 y	33:07	1.16	458.08	0.97	-	n
1,2,3,7,8,9-HxCDD	45402600	1.24 y	33:22	1.15	490.93	1.03	-	n
Total HxCDD	130450140	4.93 n	32:18	1.09	1482.19	1.08	-	n
13C-1,2,3,4,6,7,8-HpCDF	182370400	0.43 y	34:53	0.91	2154.02	6.23	107.7	n
1,2,3,4,6,7,8-HpCDF	58068900	1.00 y	34:54	1.35	473.20	1.73	-	n
13C-1,2,3,4,7,8,9-HpCDF	150417500	0.43 y	36:02	0.76	2122.34	7.45	106.1	n
1,2,3,4,7,8,9-HpCDF	47489800	1.02 y	36:03	1.30	483.90	2.38	-	n
Total HpCDF	107404819	1.00 y	34:54	1.33	973.82	2.02	-	n

13C-1,2,3,4,6,7,8-HpCDD	161779300	0.96	y	35:42	0.83	2103.64	5.07	105.2	n
1,2,3,4,6,7,8-HpCDD	42052300	1.04	y	35:43	1.07	485.09	1.80	-	n
Total HpCDD	43164489	1.03	y	35:09	1.07	497.92	1.80	-	n
13C-OCDD	265623000	0.89	y	38:16	0.62	4605.66	4.74	115.1	n
OCDF	85350600	0.91	y	38:23	1.37	937.96	1.38	-	n
OCDD	74923500	0.91	y	38:16	1.20	940.76	1.58	-	n

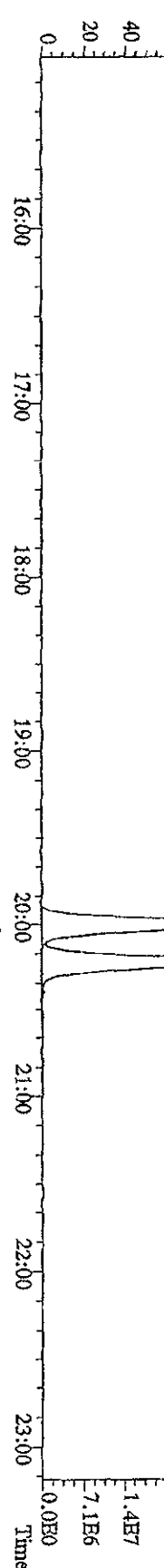
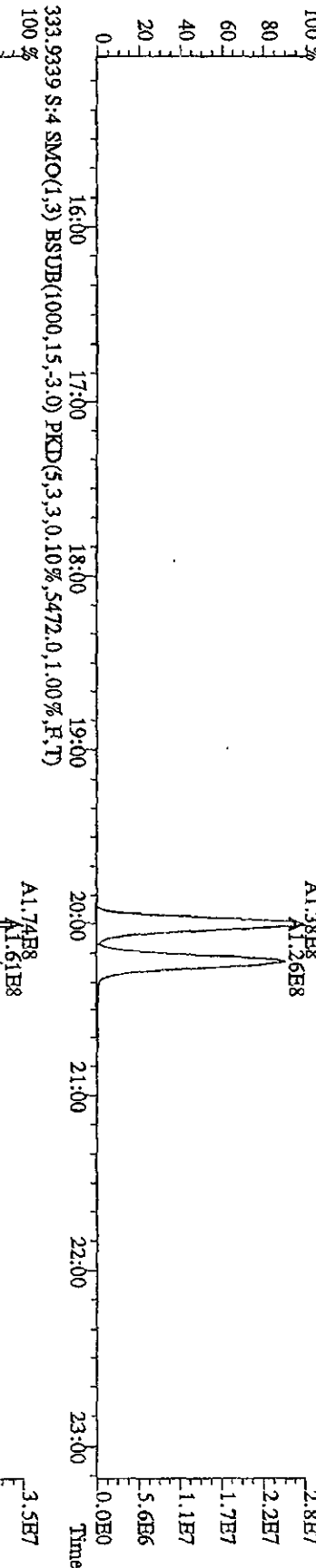
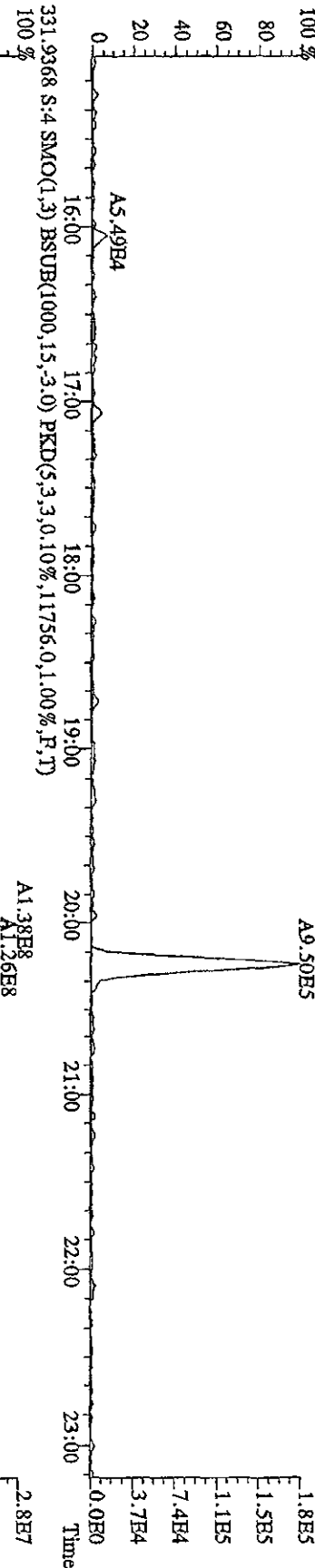
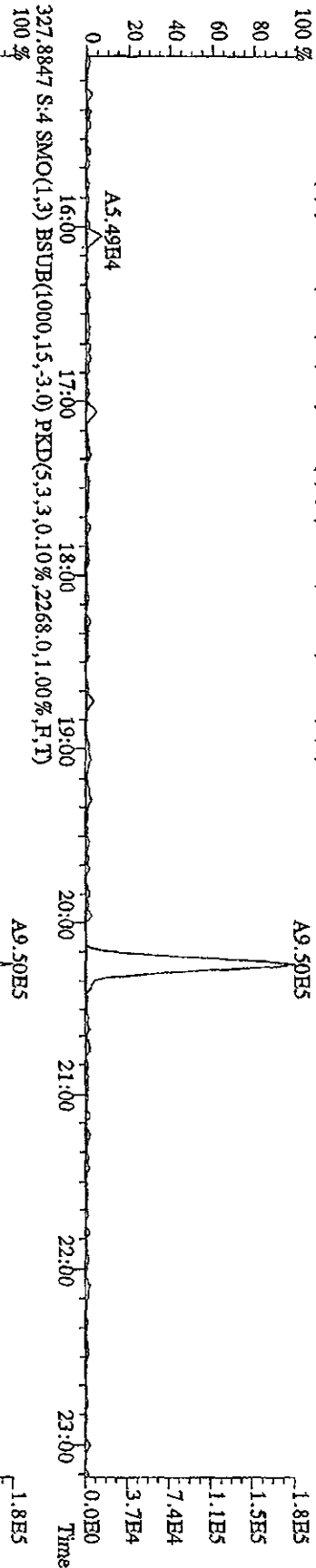
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 16:48:00 GC EI+ Voltage: 51V Autosp: Ultimate
 Sample#4 Text: ST0721A :CS-1 10DXN342 Exp: DIOXINRES
 303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2036.0,1.00%,F,T) 100%



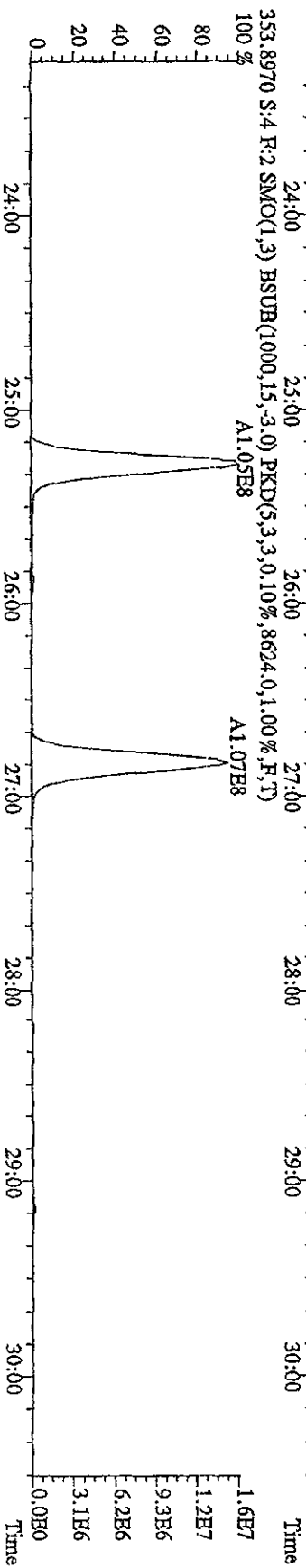
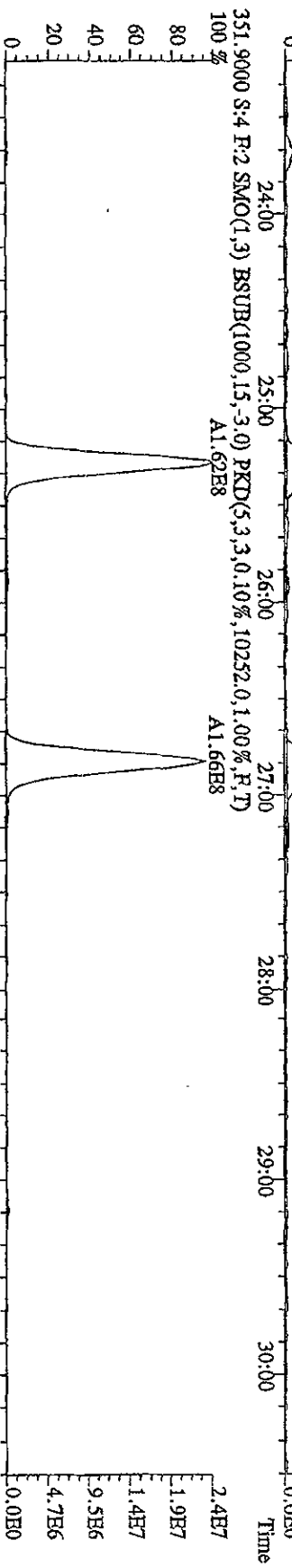
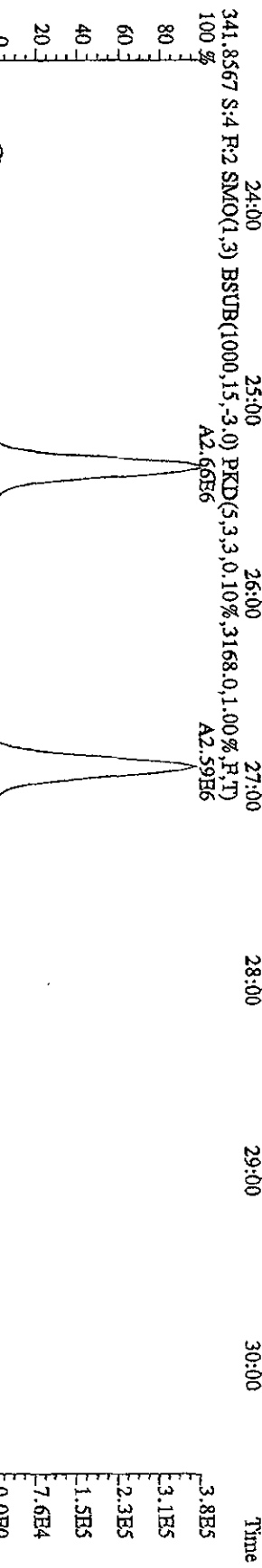
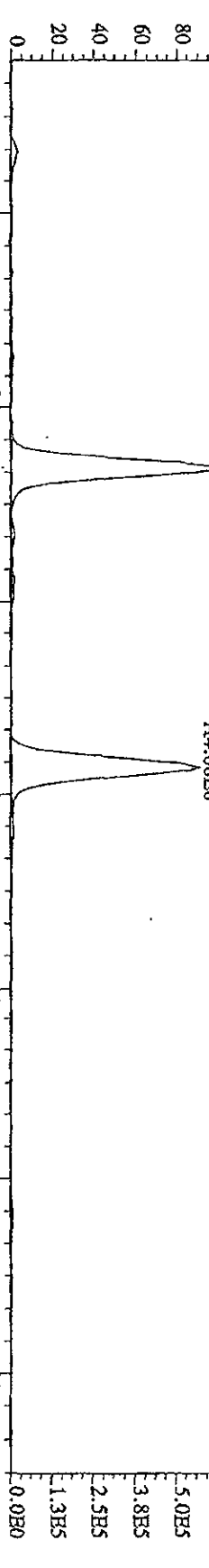
File:21JUL10A4D5 #1-541 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage 51V Autospec-UltimaE
 Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1868.0,1.00%,F,T)



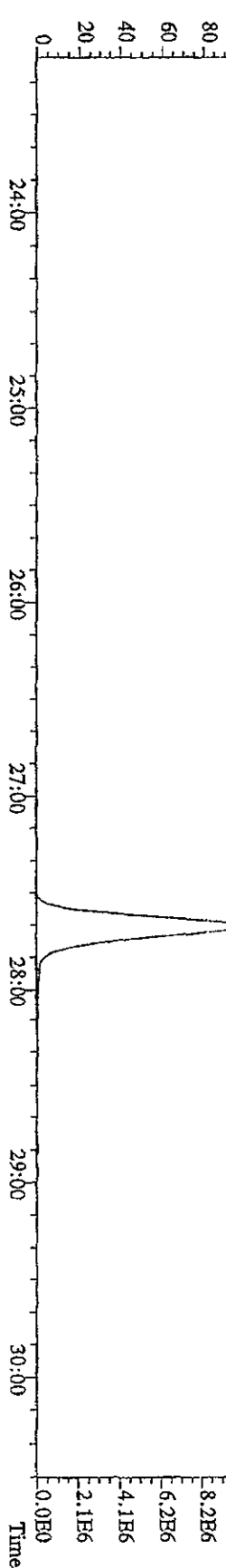
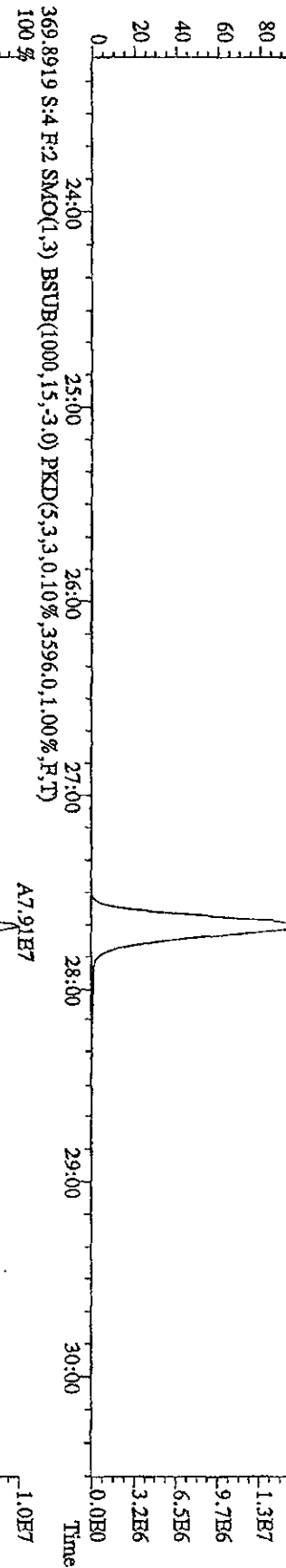
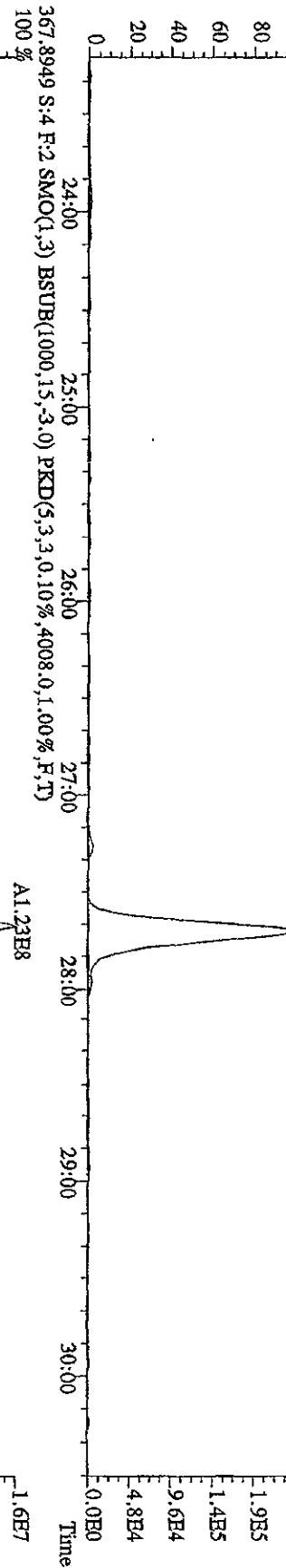
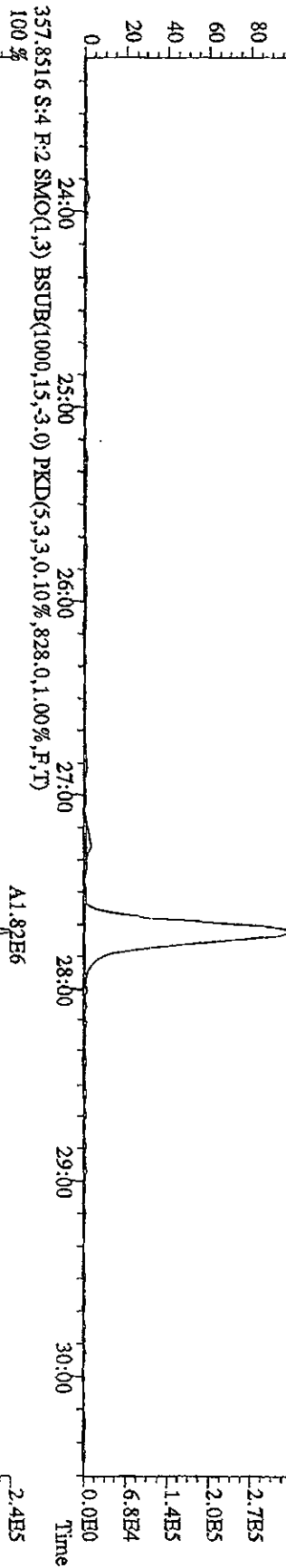
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 Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRBS
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2268,0,1.00%,F,T)



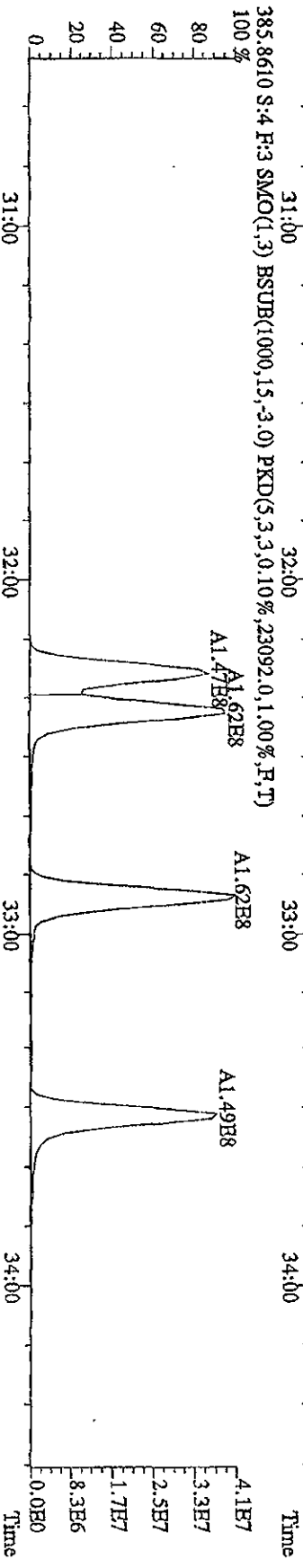
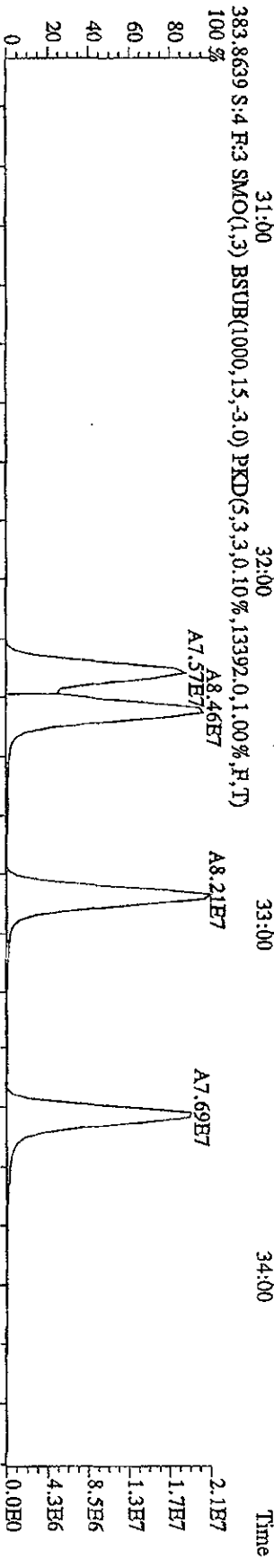
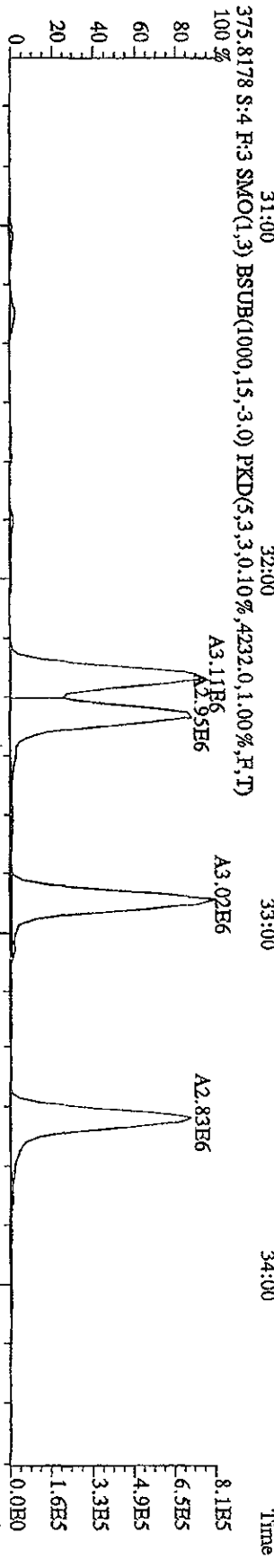
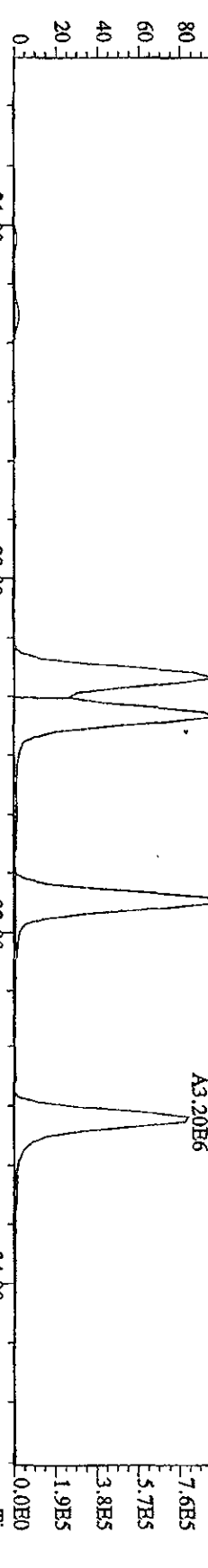
File: 21JUL10A4D5 #1-469 Acq: 21-JUL-2010 16:48:00 GC BF+ Voltage SIR Autospec-UltimaB
 Sample#4 Text: ST0721A :CS-1 10DXN342 Exp: DIOXINRES
 339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2180.0,1,00%,F,T)
 100%



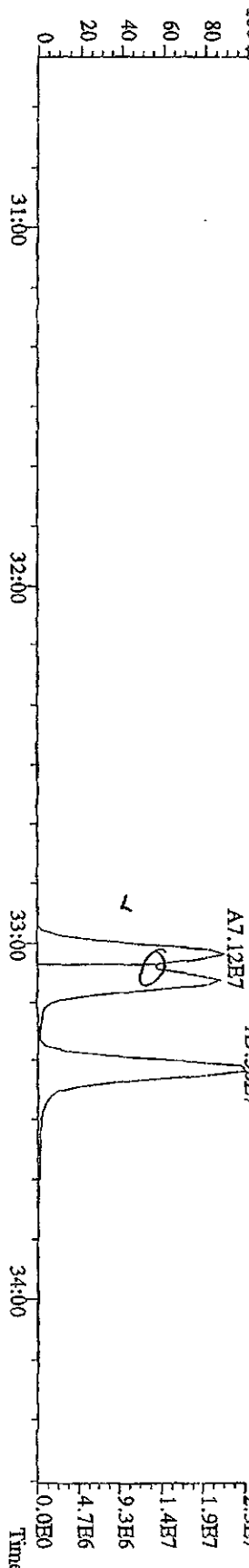
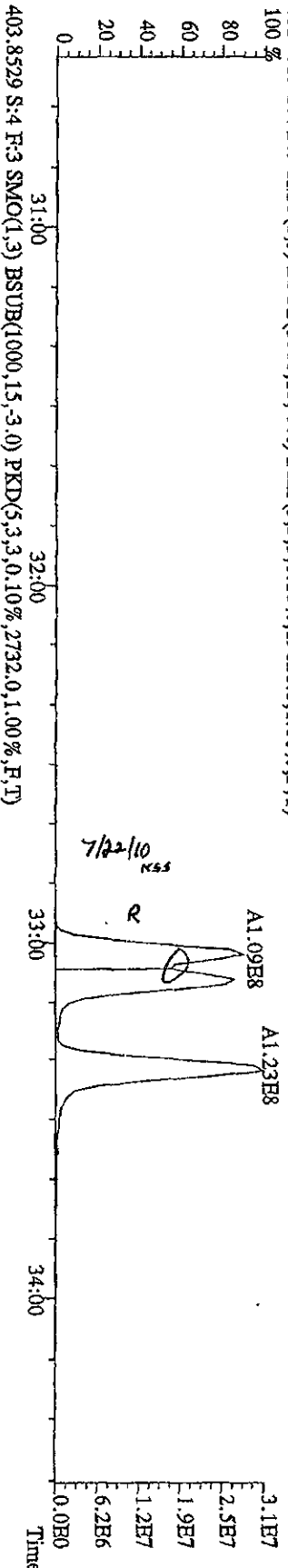
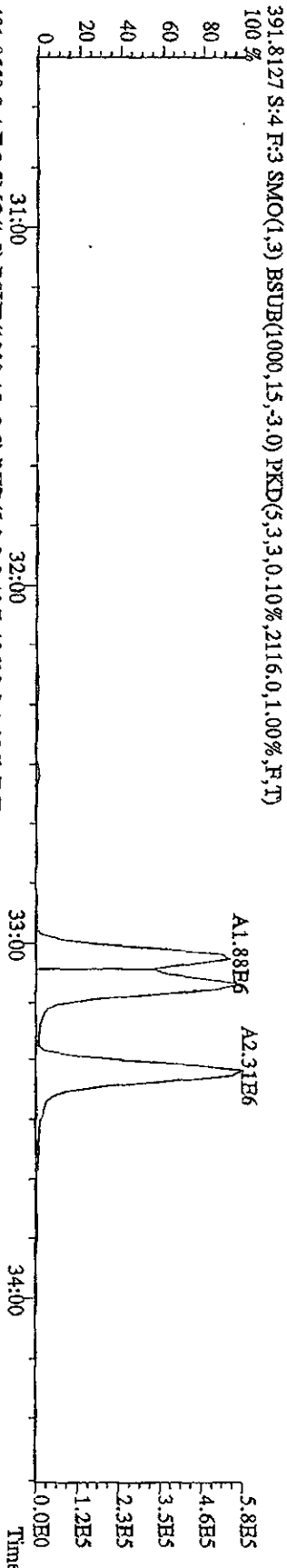
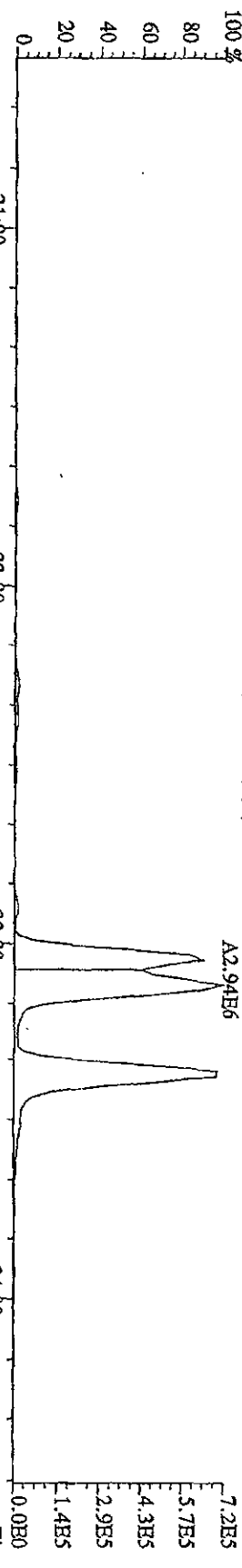
File:2111.10A4D5 #1-469 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#4 Text:ST0721A :CS-1 10DXN342 Exp:DIOXINRES
 357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,828.0,1.00%,F,T) 2312.0,1.00%,F,T



File: 211110A4D5 #1-287 Acq: 21-JUL-2010 16:48:00 GC: EI+ Voltage: SIR Autospec: Ultimate
 Sample #4 Text: ST0721A :CS-1 10DXN342 Exp: DIOXINRES
 373.8208 S: 4 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4472.0,1.00%,F,T)

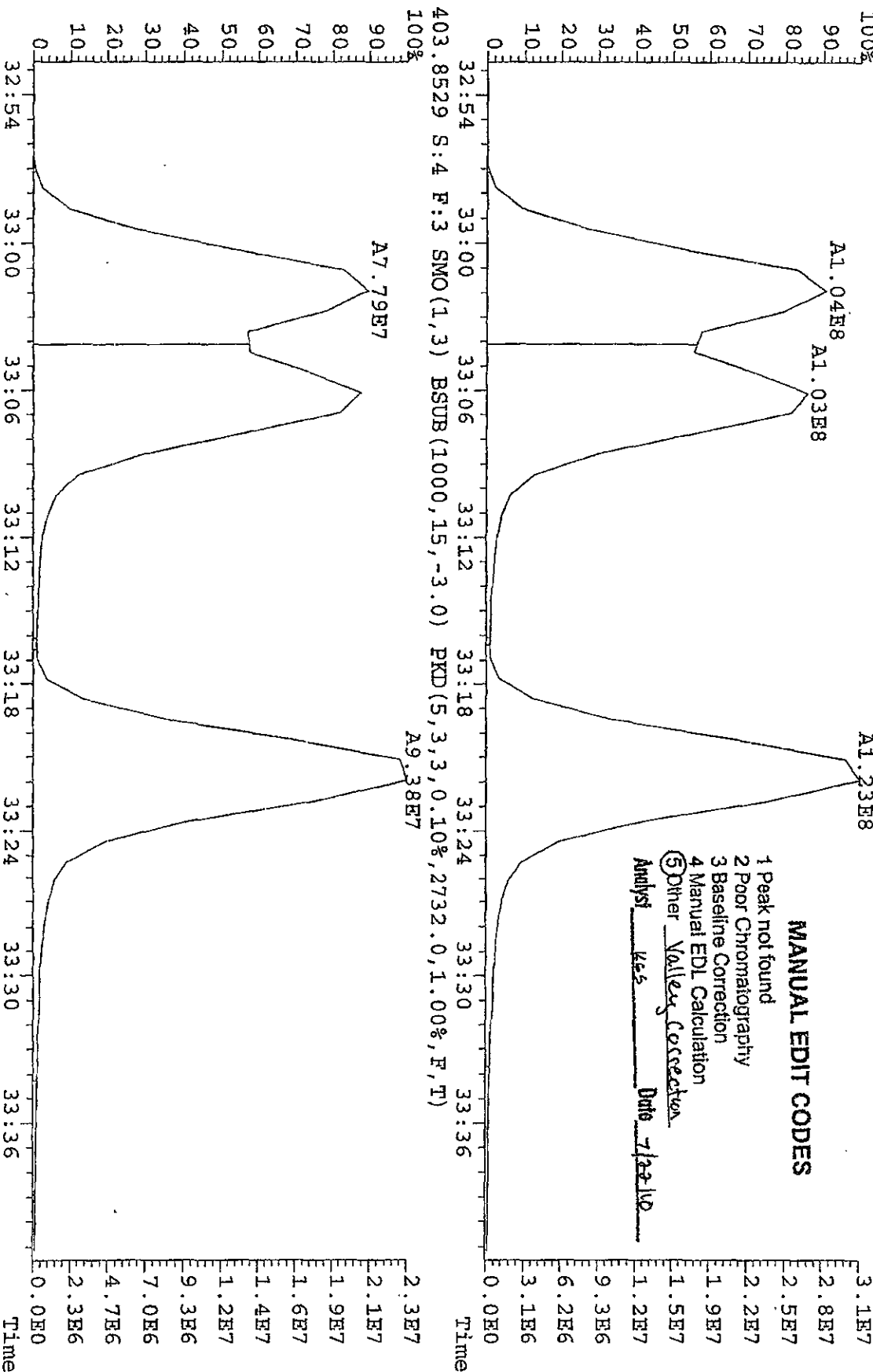


File: 21JUL10A4D5 #1-287 Acq: 21-JUL-2010 16:48:00 GC EI+ Voltage 51V Autospec-Ultimate
 Sample#4 Text: ST0721A :CS-1 10DXN342 Exp: DIOXINRBS
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1412,0,1,00%,F,T)

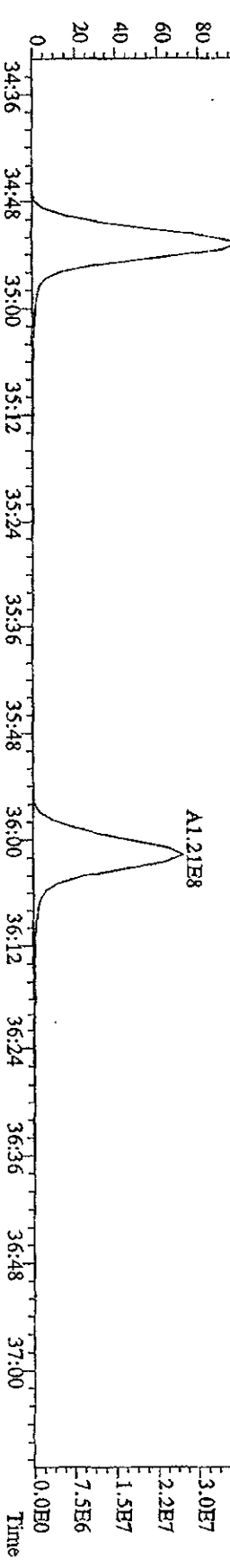
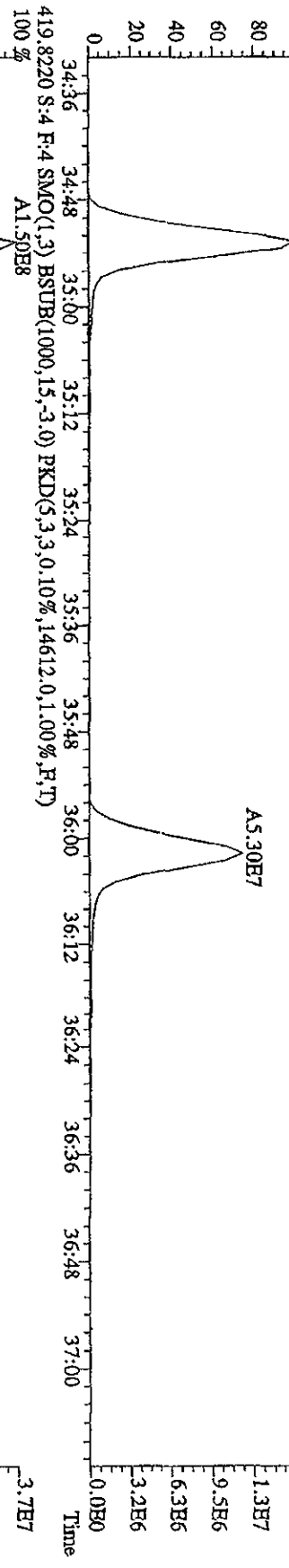
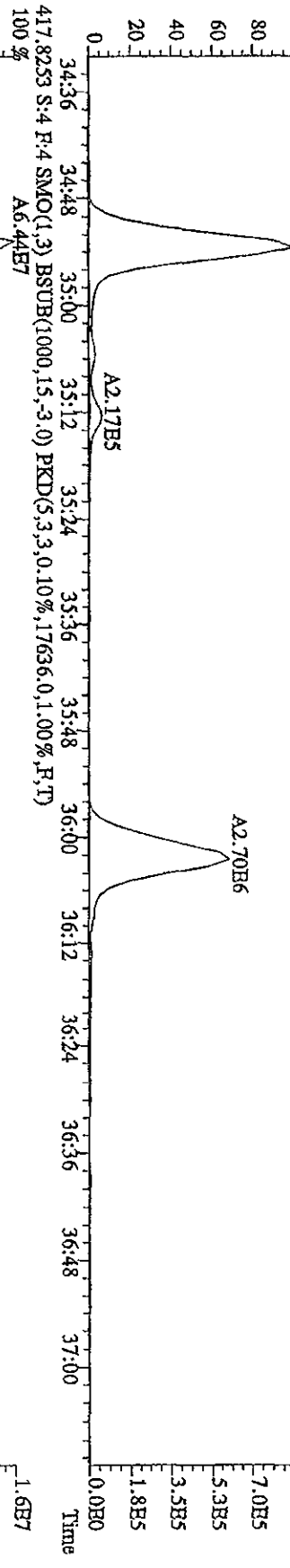
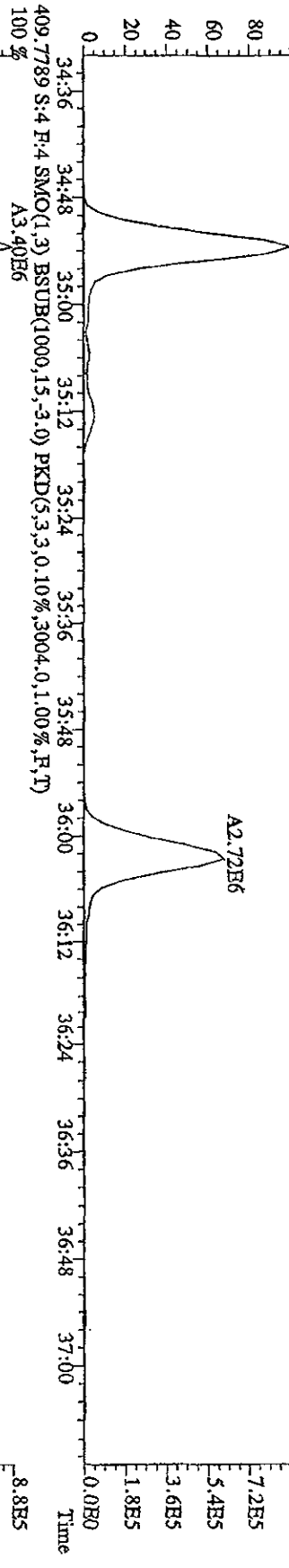


File: 21JUL10A4D5 #1-287 Acq: 21-JUL-2010 16:48:00 GC FI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text: ST0721A : CS-1 10DXN342 Exp: DIOXINRES
 401.8559 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19620.0,1.00%,F,T)

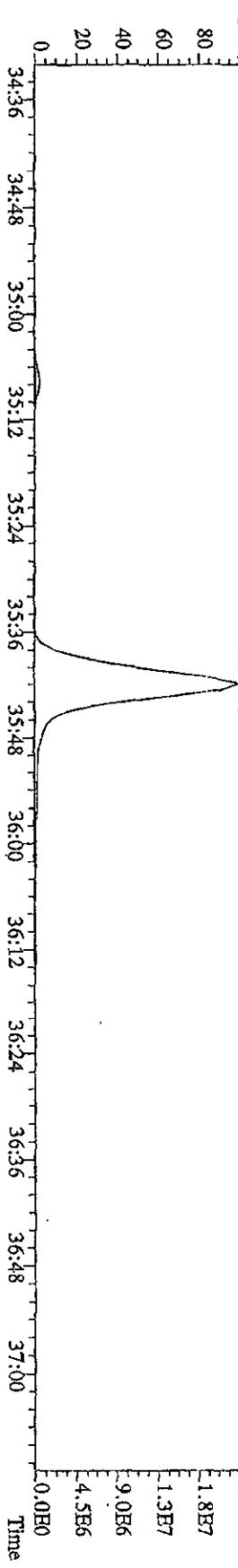
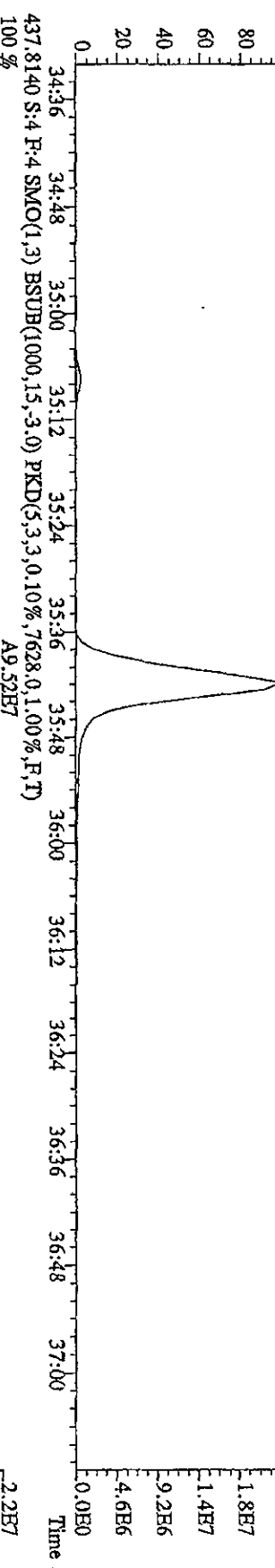
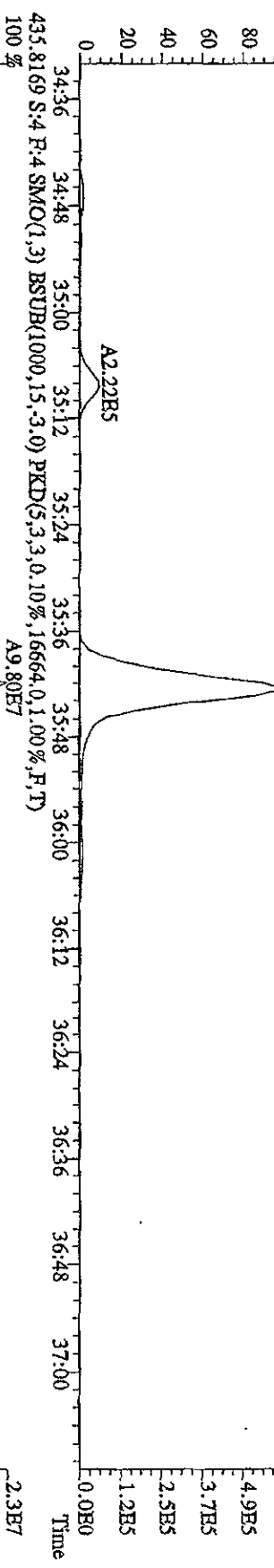
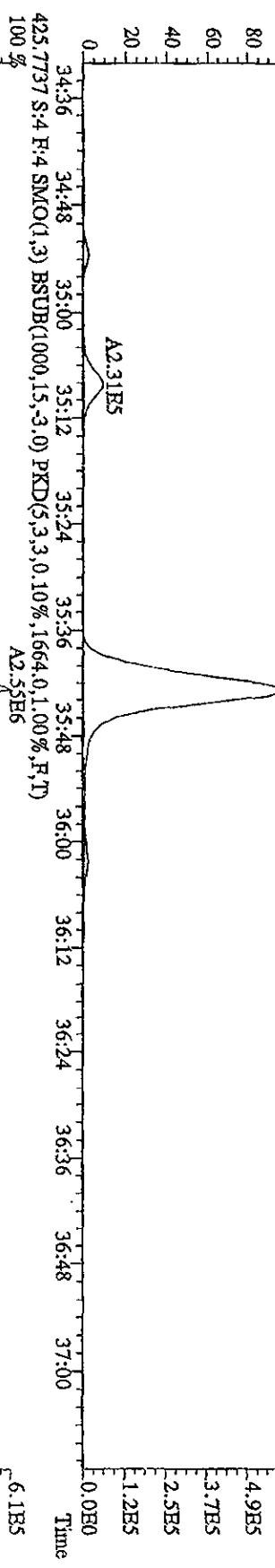
MANUAL EDIT CODES
 1 Peak not found
 2 Poor Chromatography
 3 Baseline Correction
 4 Manual EDL Calculation
 5 Other Valley Correction
 Analyst kes Date 7/22/10



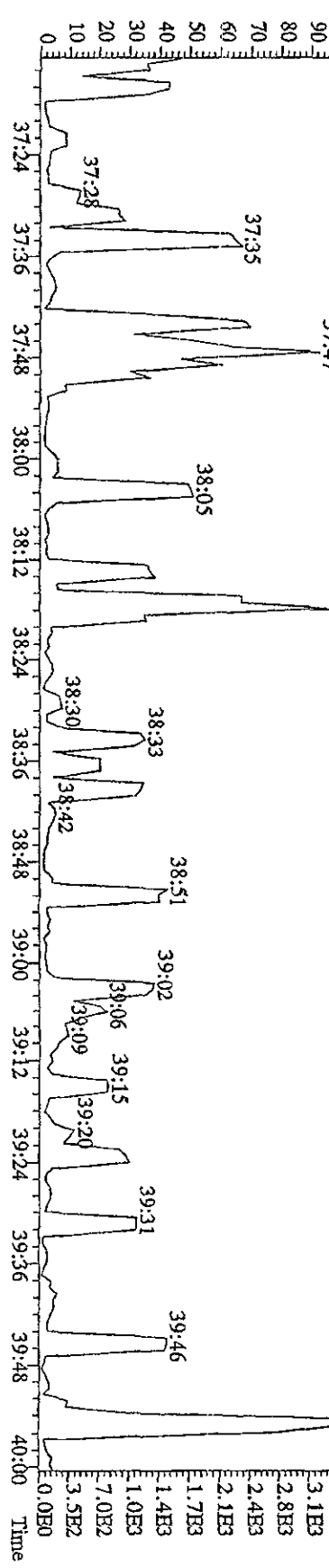
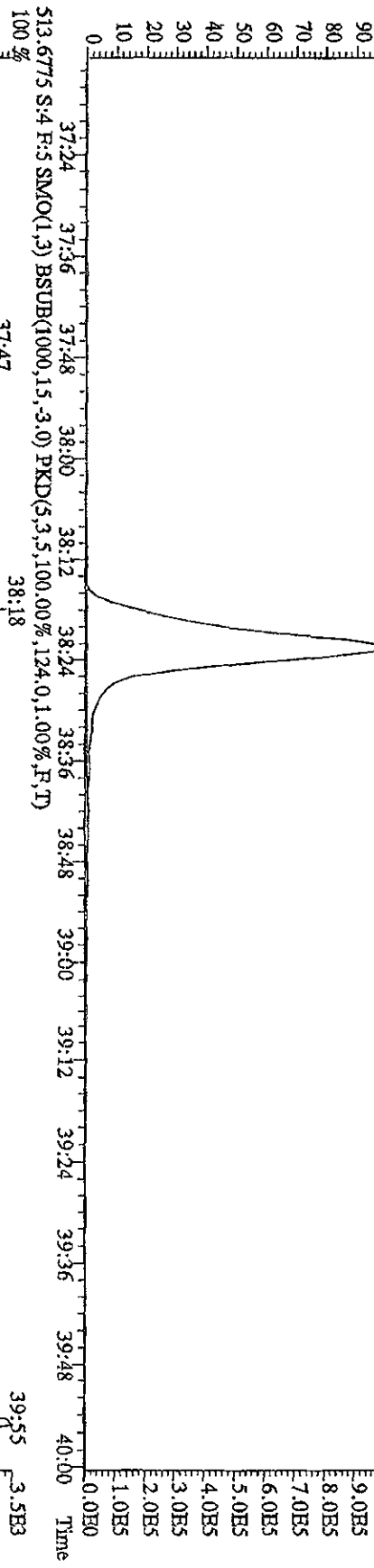
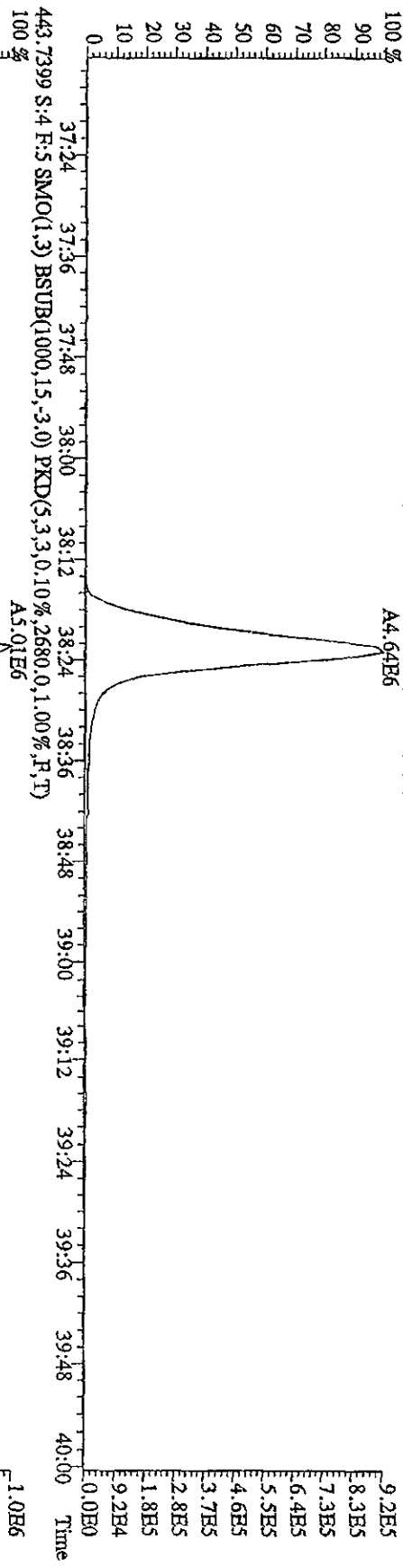
File:211L10A4D5 #1-201 Acq:21-JUL-2010 16:48:00 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text:ST0721A :CS-1 10DXN342 Exp.:DIOXINRES
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3388.0,1.00%,F,T)
 100% A3.61B6



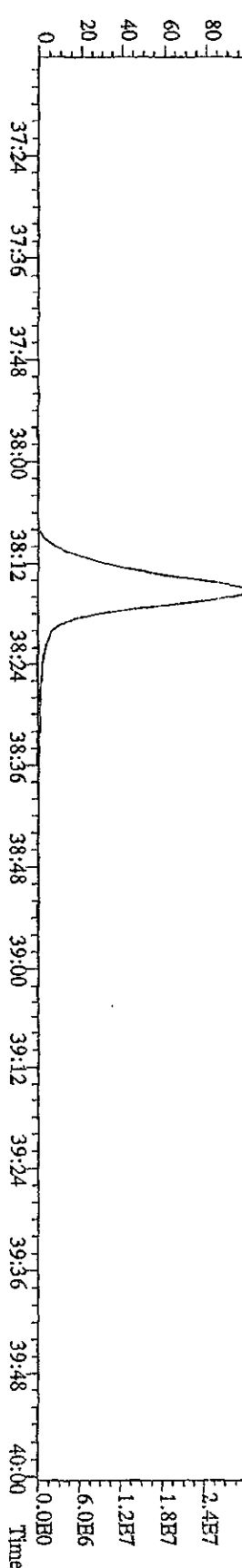
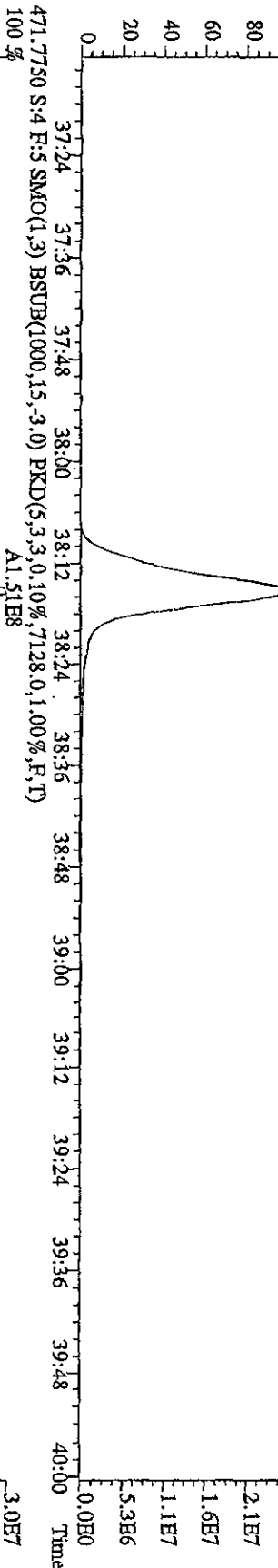
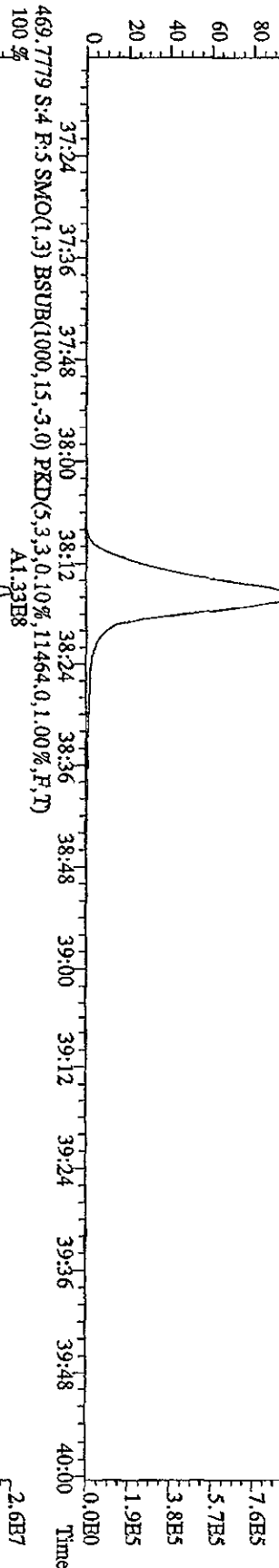
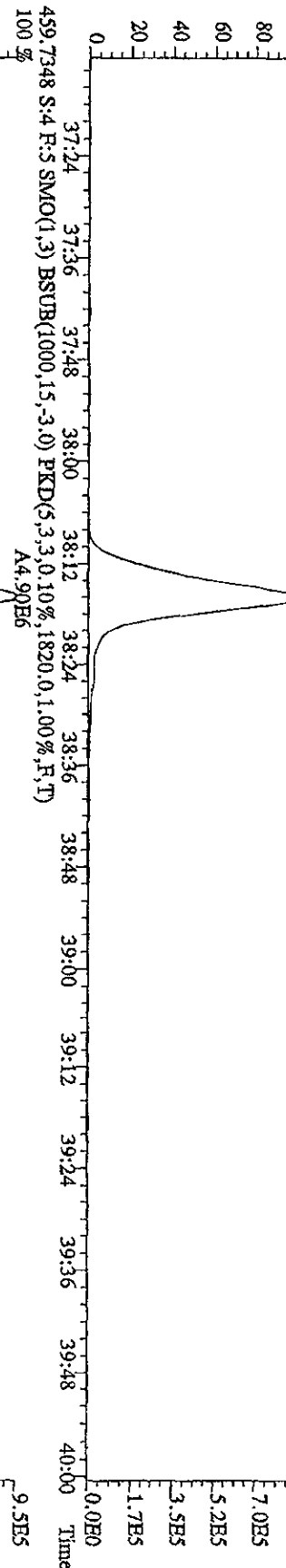
File: 211L10A4D5 #1-201 Acq: 21-JUL-2010 16:48:00 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text: ST0721A :CS-1 10DXN342 Exp: DIOXINRES
 423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1728,0.1,00%,F,T)
 100% A2.61B6



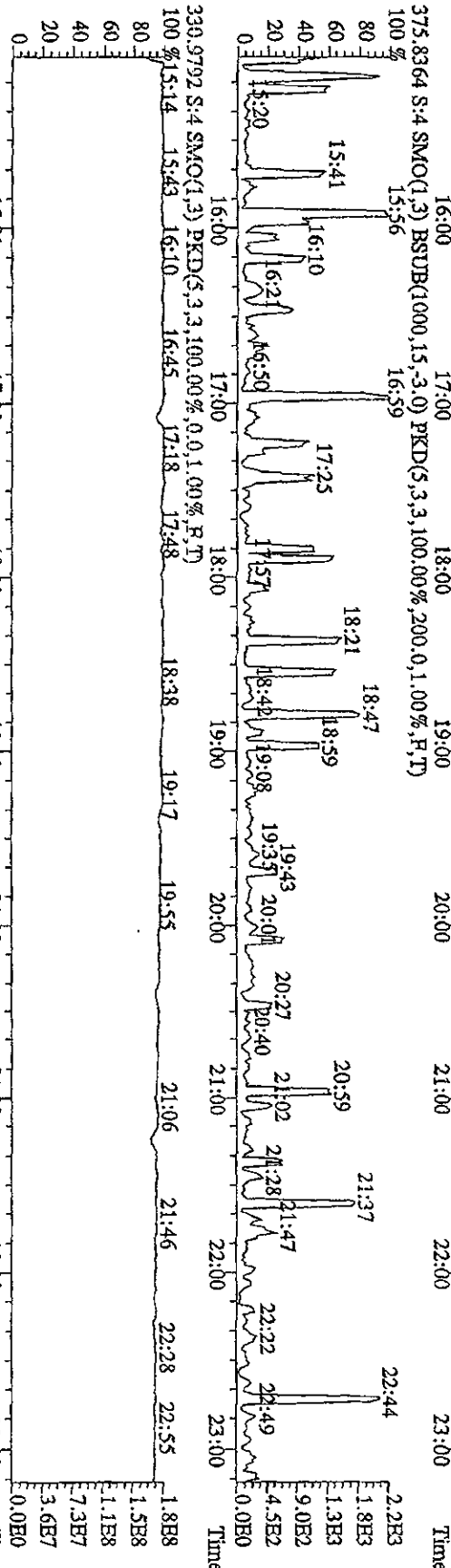
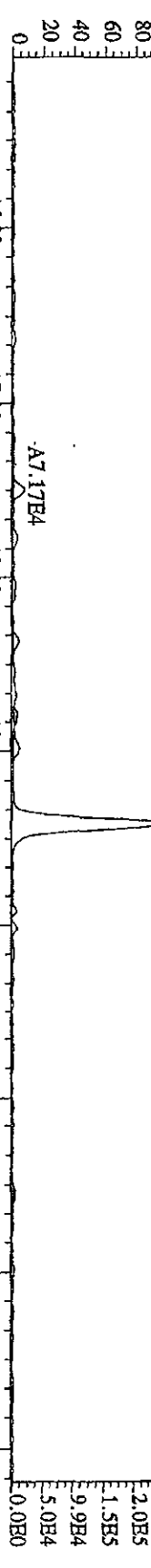
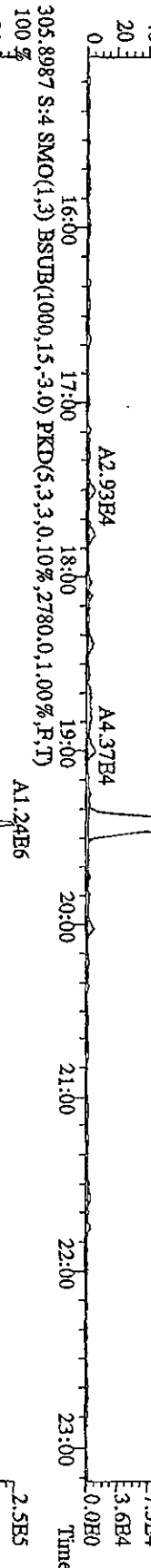
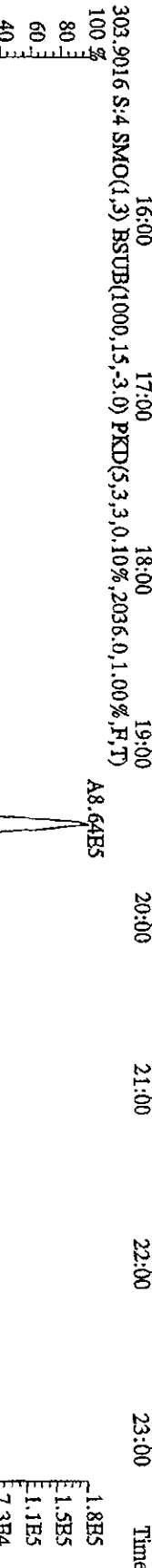
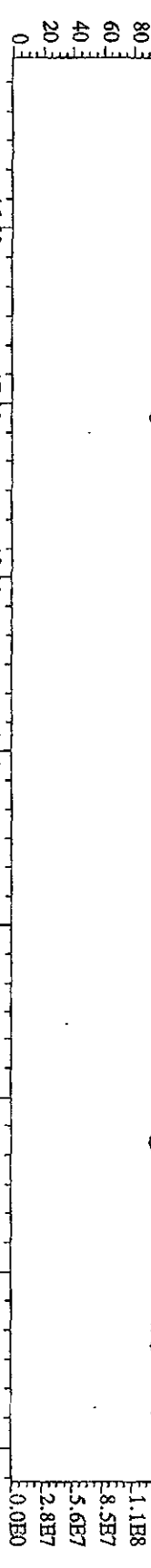
File: 21JUL10A4D5 #1-227 Acq: 21-JUL-2010 16:48:00 GC: EI+ Voltage: SIR Autospec: Ultimate
 Sample#4 Text: ST0721A :CS-1 10DXN342 Exp: DIOXINRES
 441.7428 S:4 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2692,0,1,00%,F,T)
 100% A4.64E6



File: 21JUL10AADS #1-227 Acq: 21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text: ST0721A :CS-1 10DXN342 Exp: DIOXINRES
 457.7377 S:4 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1336.0,1.00%,F,T)
 100% A4.90E6



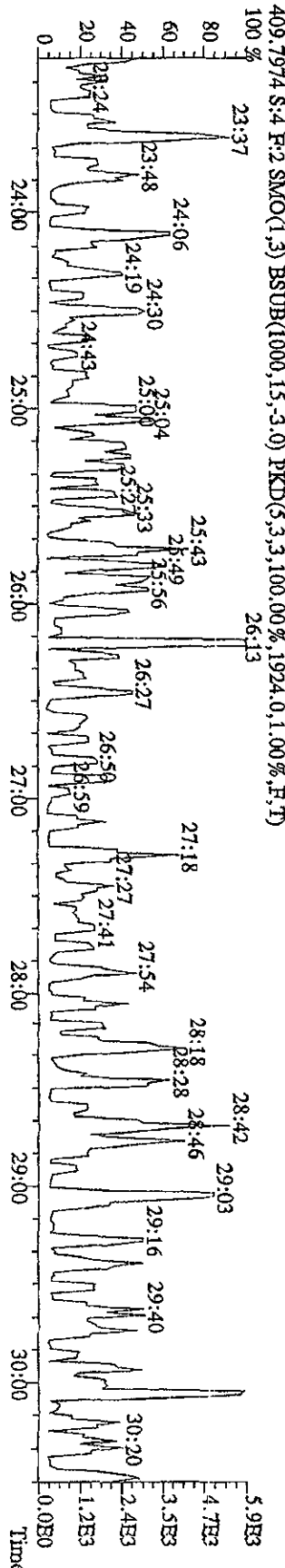
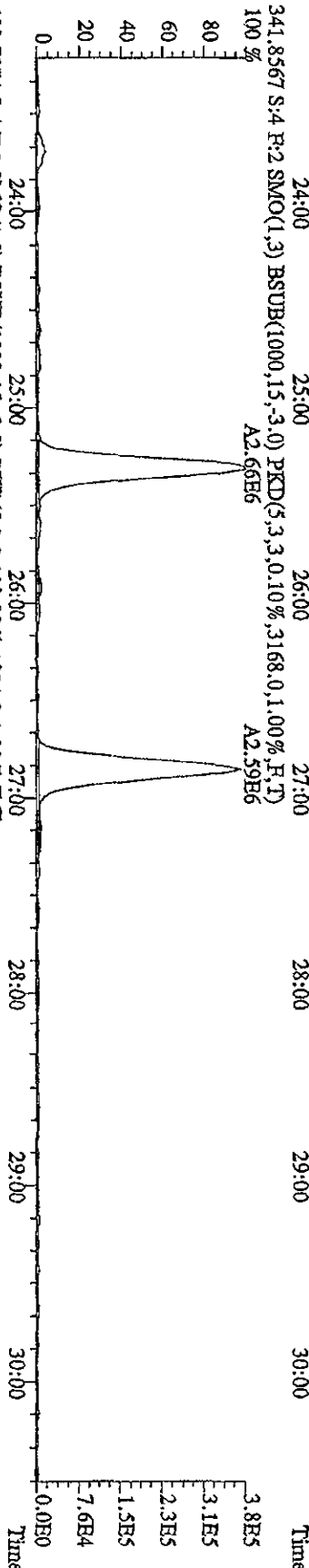
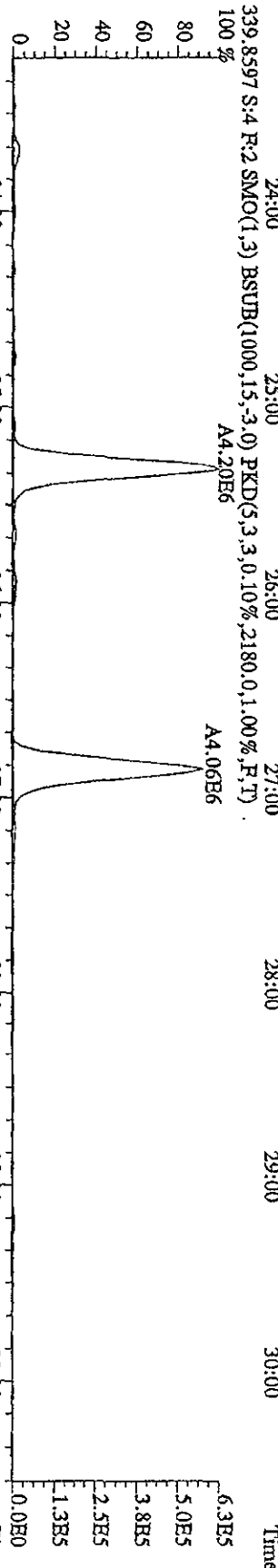
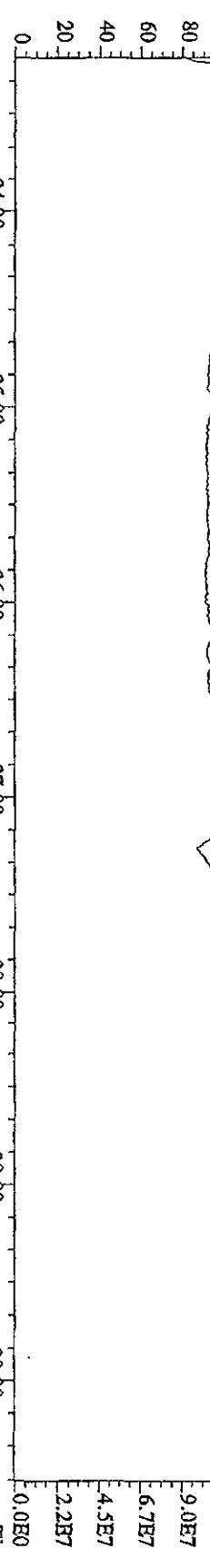
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 16:48:00 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text: ST0721A :CS-1 10DXN342 Exp: DIOXINRES
 292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 100% 15:26 16:24 17:29 18:46 19:15 19:49 20:44 21:10 22:00 22:29 22:57



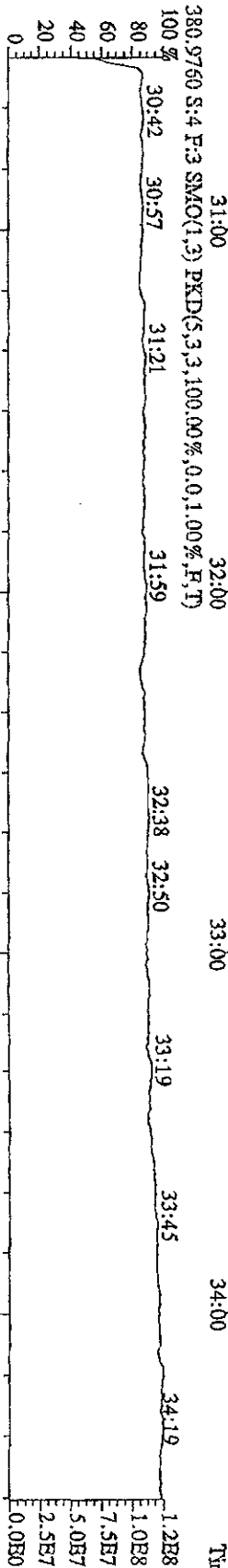
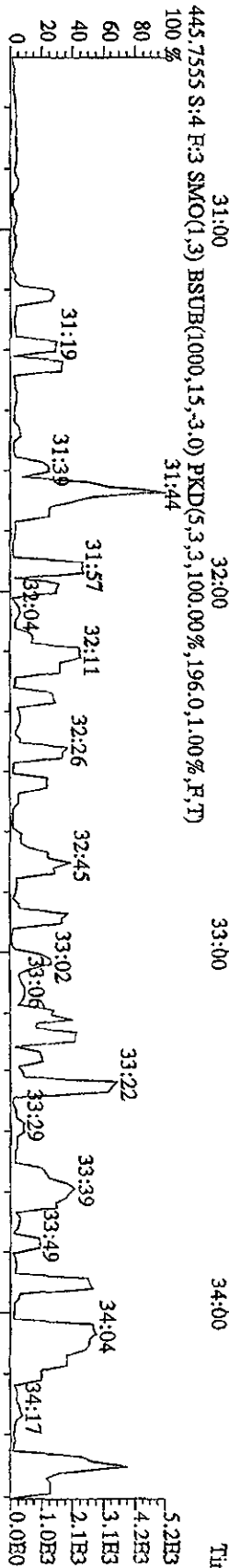
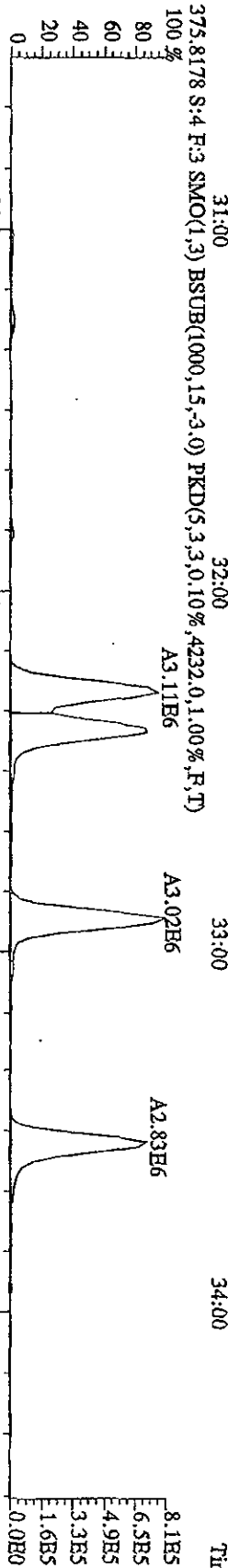
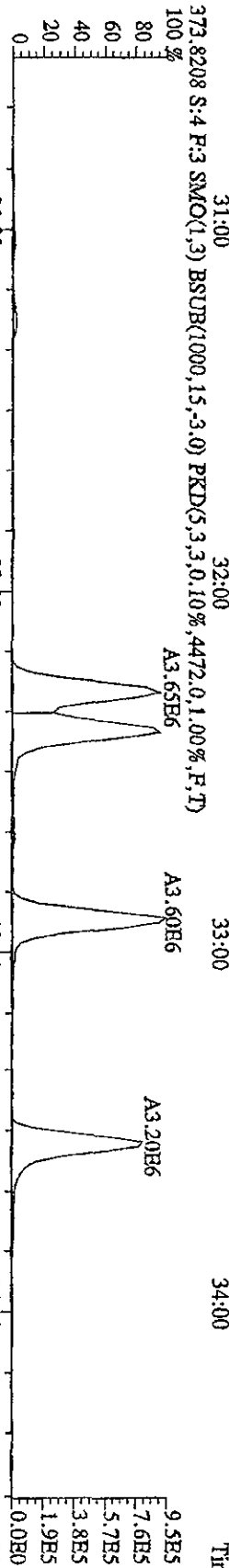
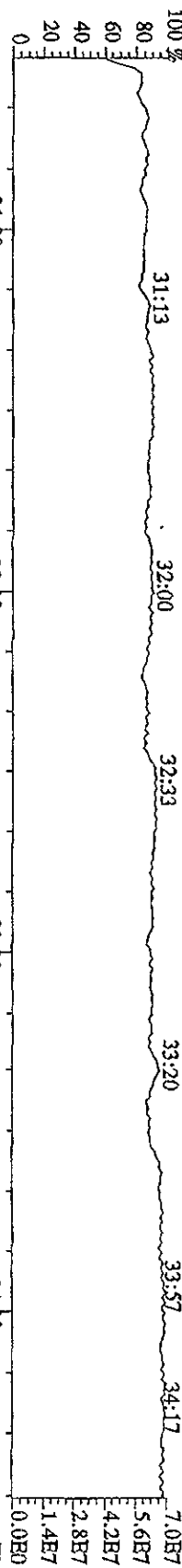
File:211J10A4D5 #1-469 Acq:21-JUL-2010 16:48:00 GC BF+ Voltage SIR Autospec-Ultimate

Sample#4 Text:ST0721A :CS-1 10DXN342 Exp.:DIOXINRES

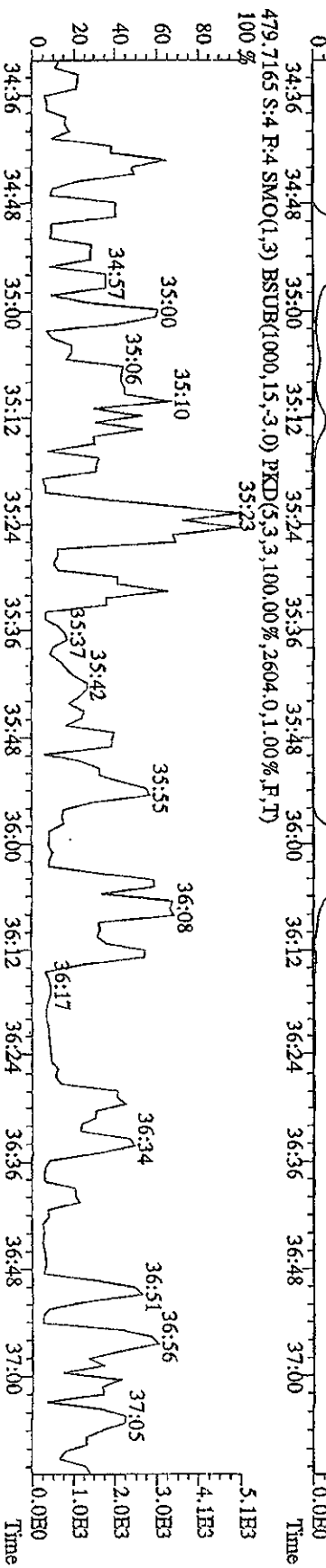
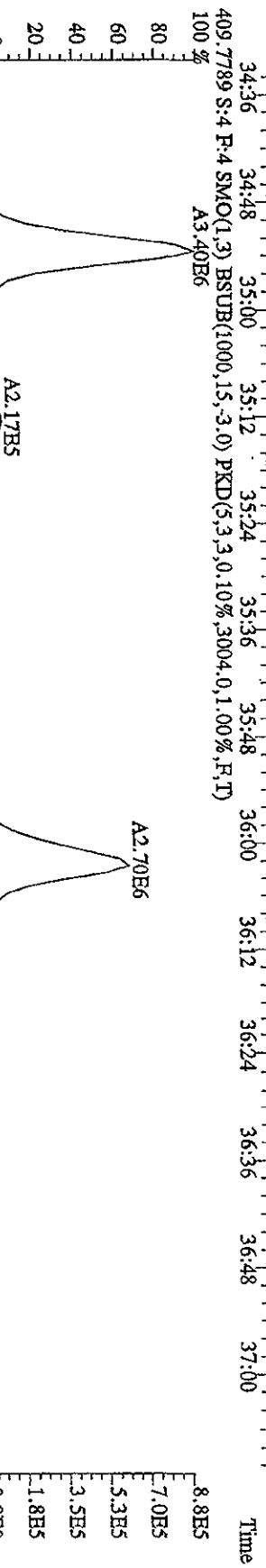
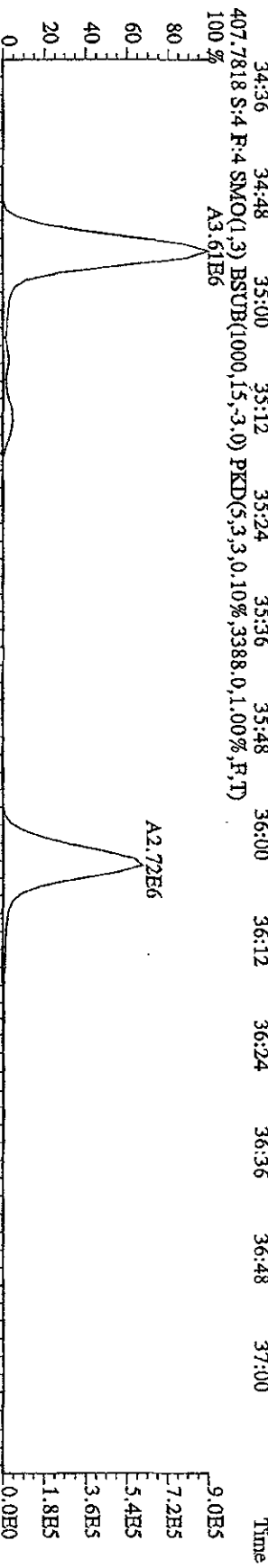
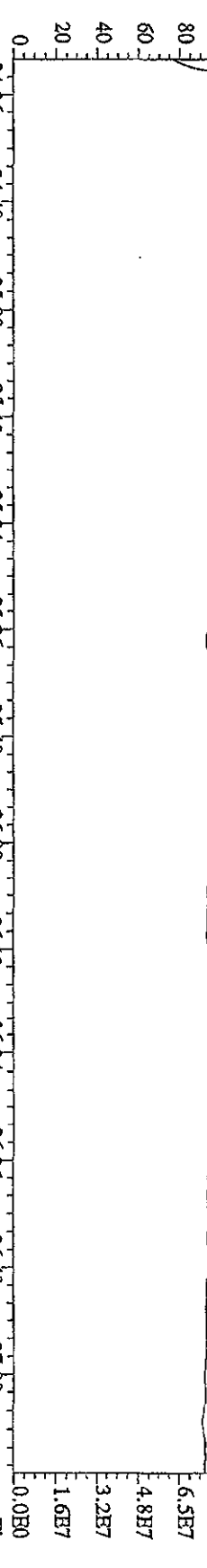
342.9792 S:4 F:2 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



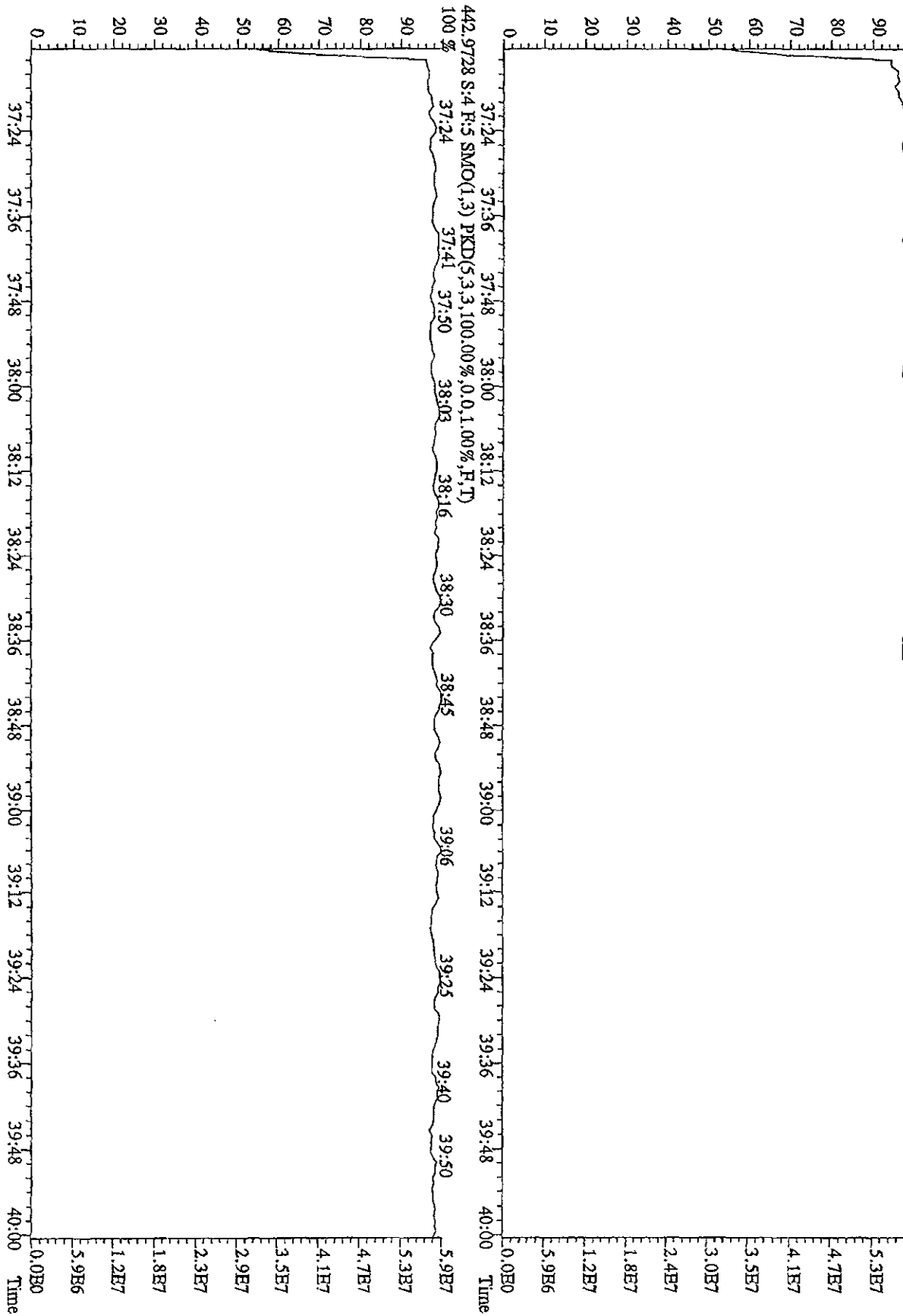
File: 21JL10A4D5 #1-287 Acq: 21-JUL-2010 16:48:00 GC HI+ Voltage STR Autospec-Ultimate
 Sample#4 Text: ST0721A :CS-110DXN342 Exp: DIOXINRES
 392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



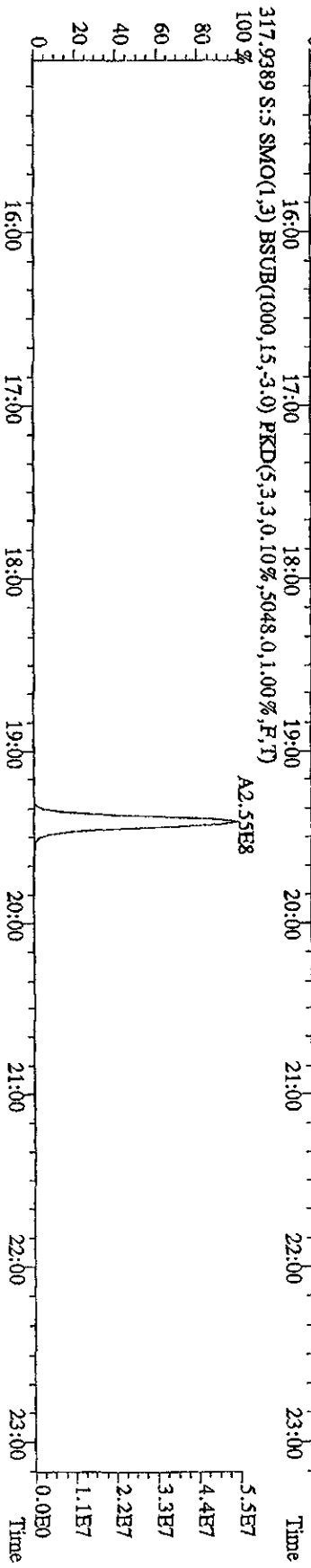
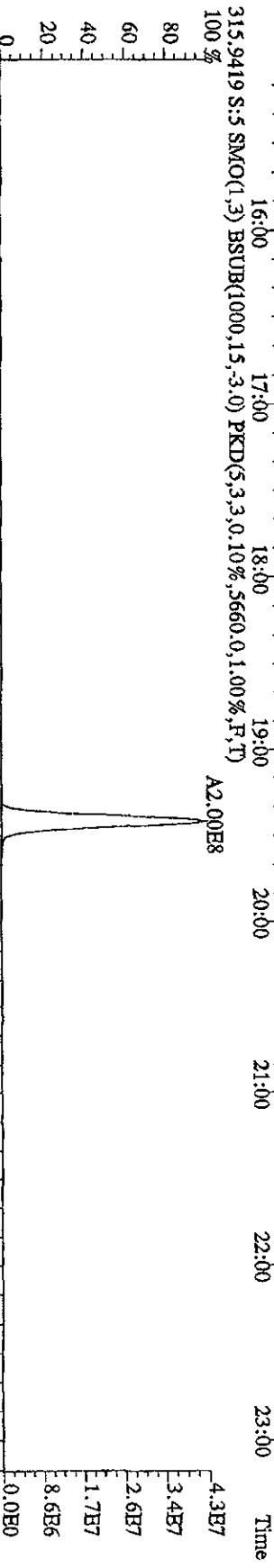
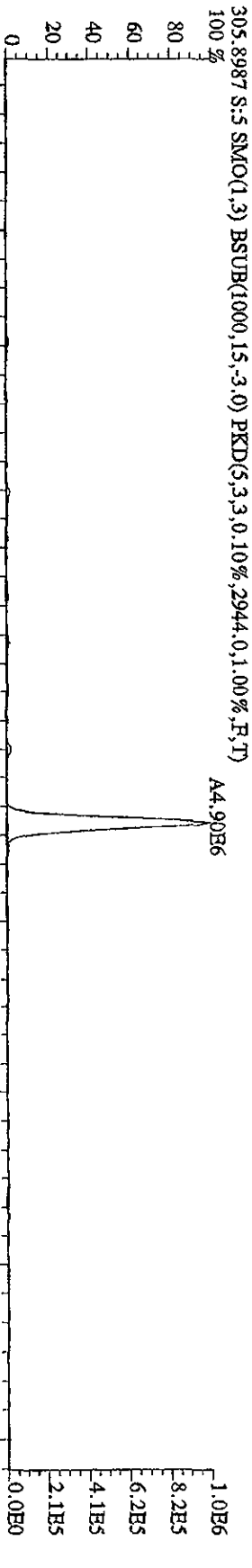
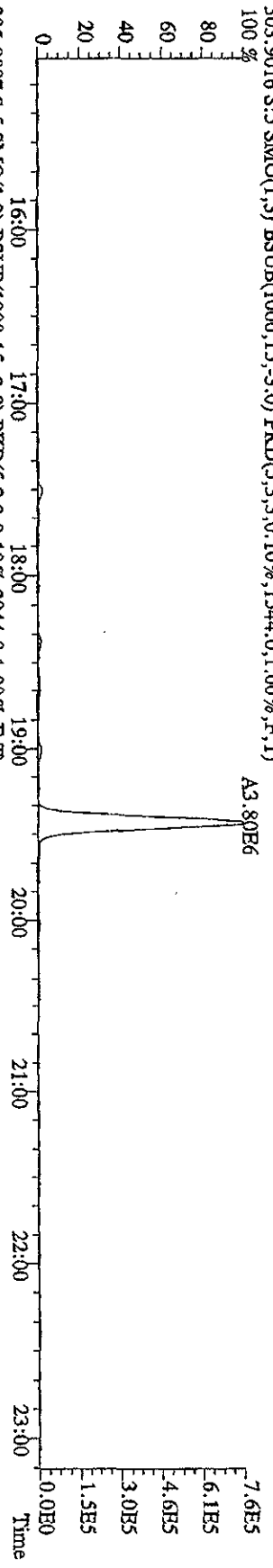
File:21JUL10A4D5 #1-201 Acq:21-JUL-2010 16:48:00 GC EI+ Voltage:51R Autospec-UltimaB
 Sample#4 Text:ST0721A :CS-110DXN342 Exp:DIOXNBES
 430.9728 S:4 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 284.34 34:48 35:00 35:28 35:42 35:56 36:14 36:25 36:42



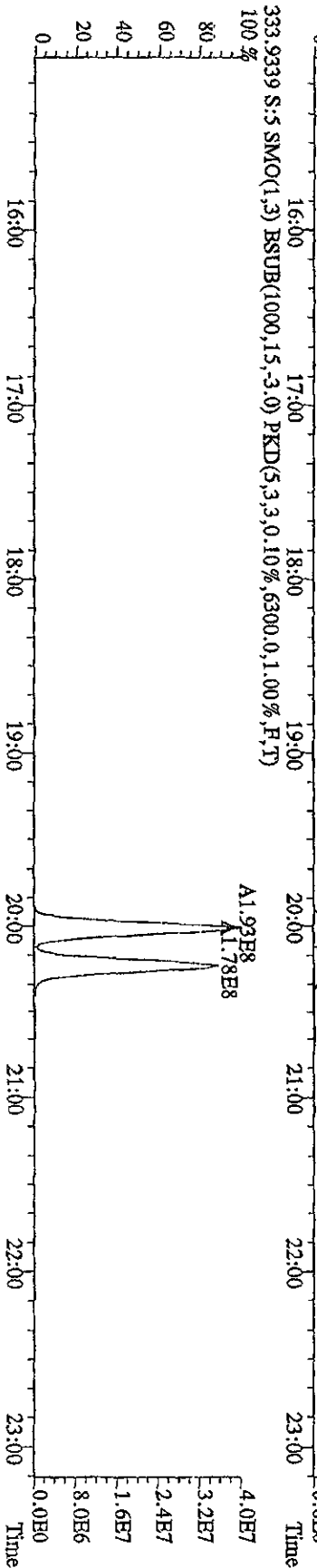
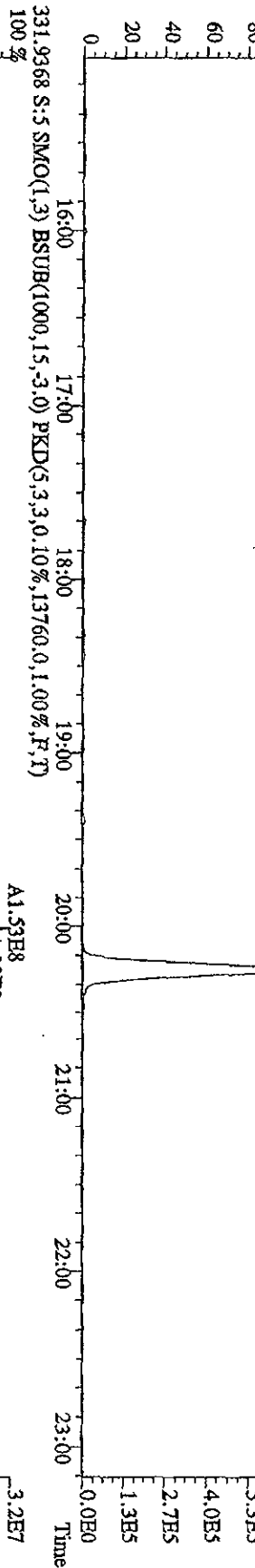
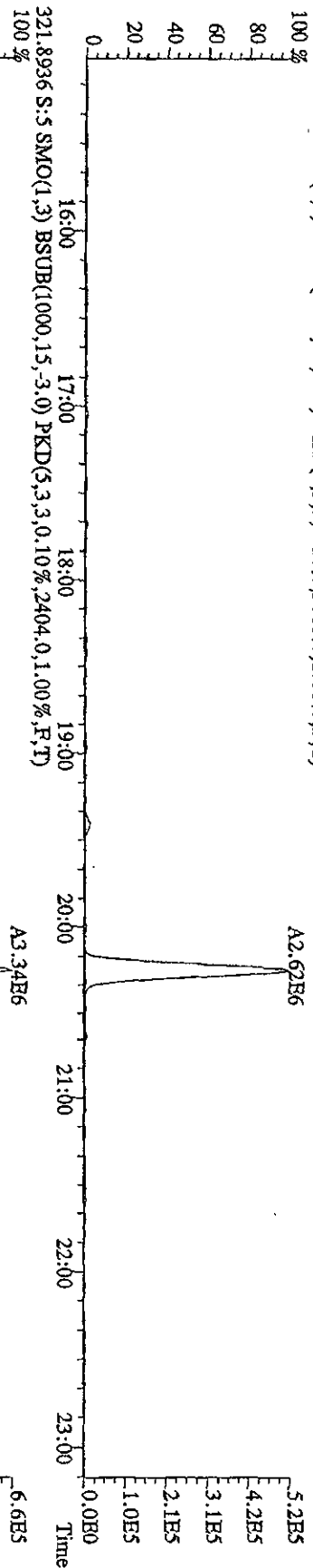
File: 21JUL10A4D5 #1-227 Acq: 21-JUL-2010 16:48:00 GC EI + Voltage SIR Autospec-Ultimate
 Sample#4 Text: ST0721A :CS-1 10DXN342 Exp: DIOXINRES
 454.9728 S:4 F:5 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 37:24 37:34 37:48 38:01 38:11 38:30 38:45 38:54 39:25 39:37 39:55 5.9E7



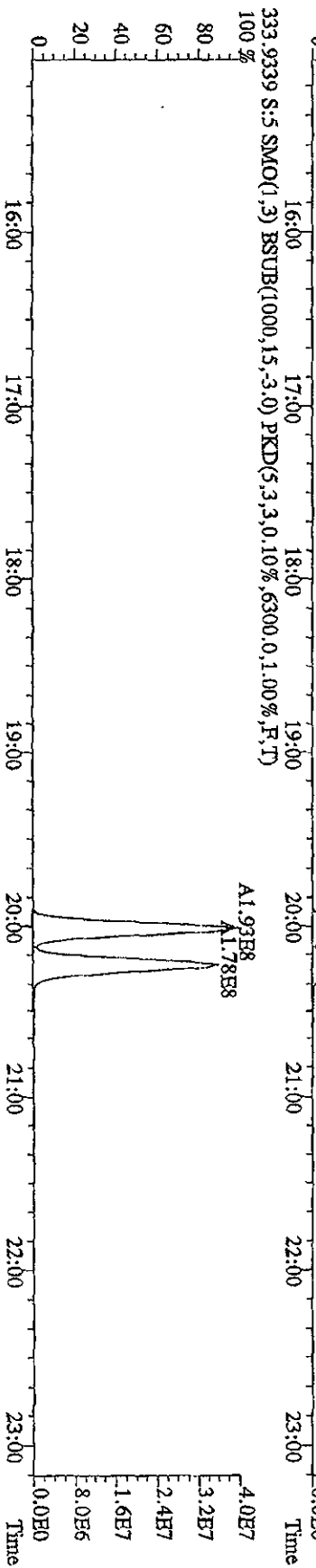
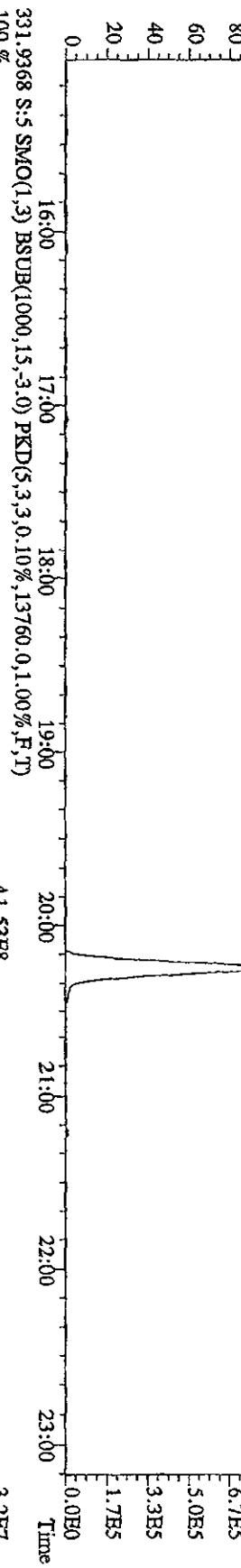
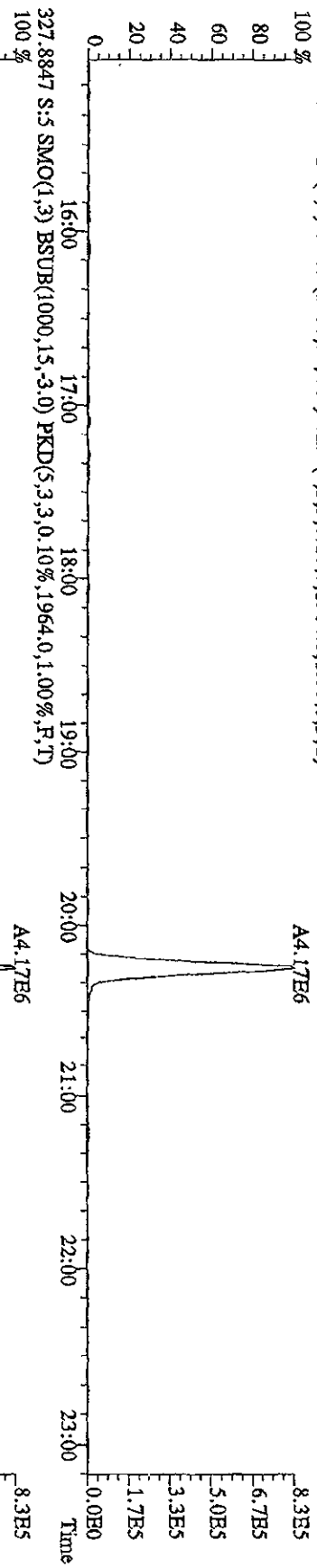
File:21JUL10A4DS #1-541 Acq:21-JUL-2010 17:33:53 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRBS
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1544.0,1.00%,F,T) 100%
 A3.80E6



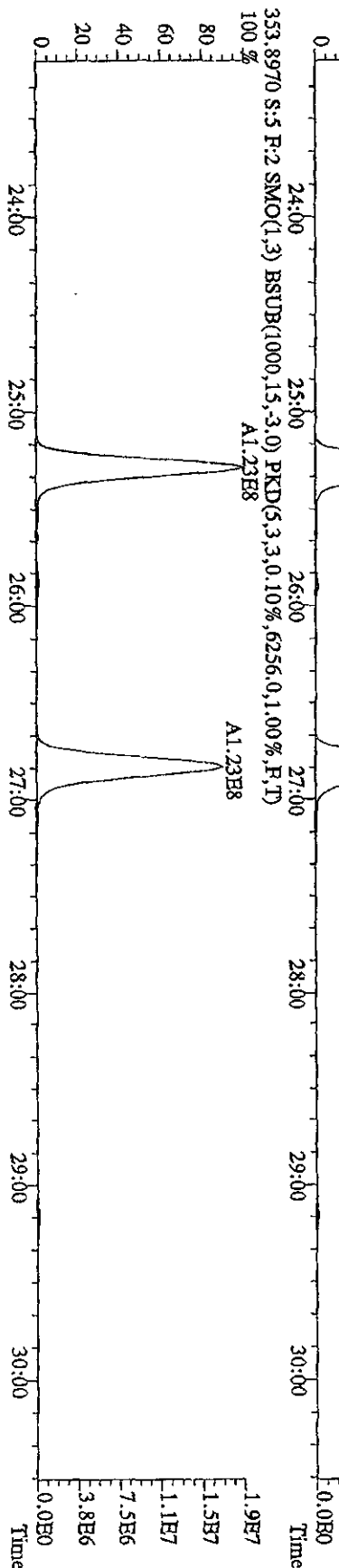
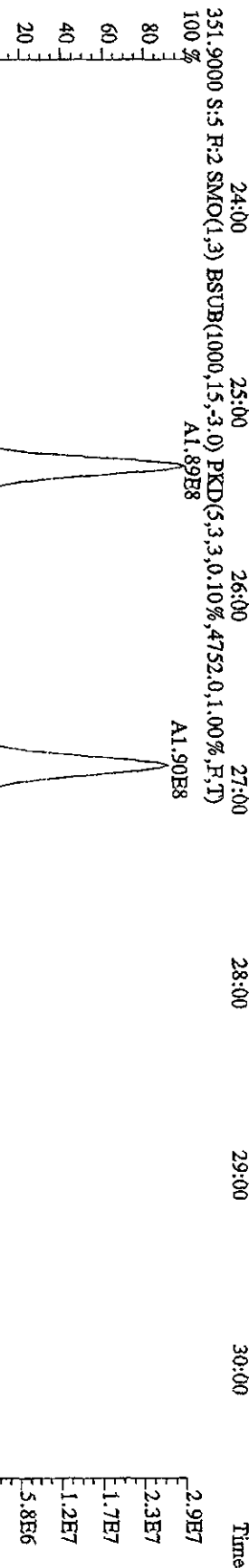
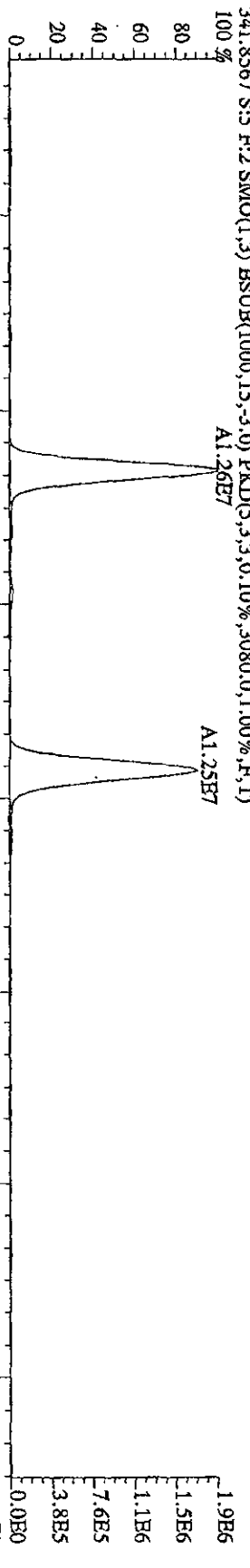
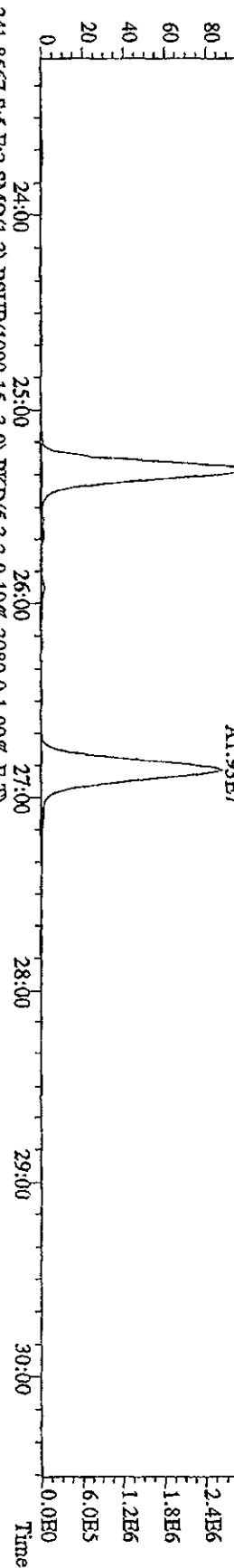
File:21JUL10A4D5 #1-541 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2060,0,1,00%,F,T)



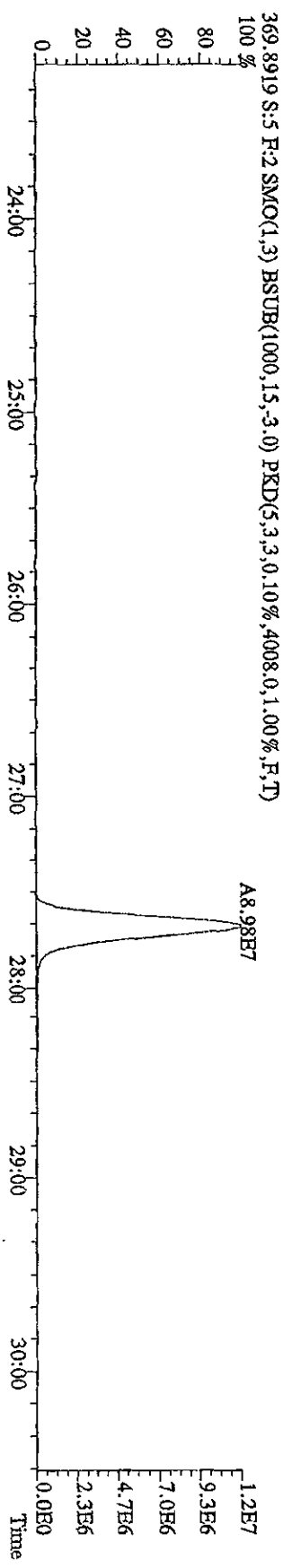
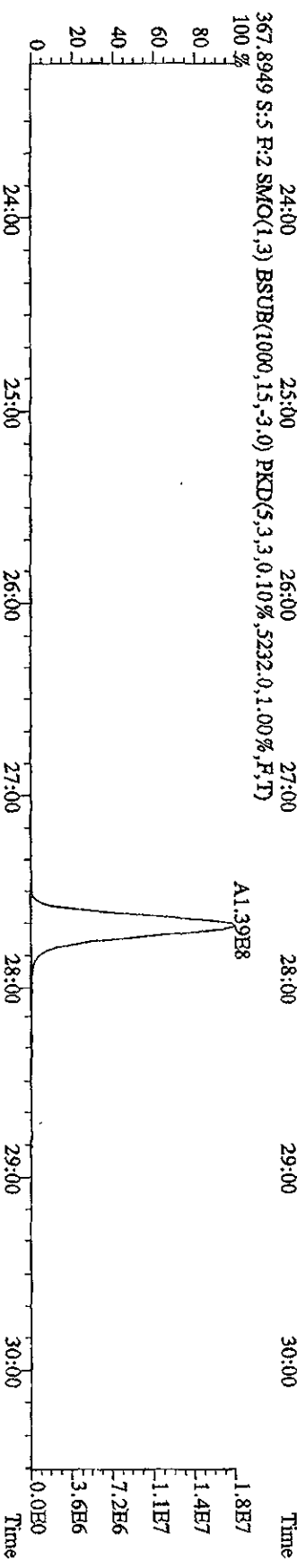
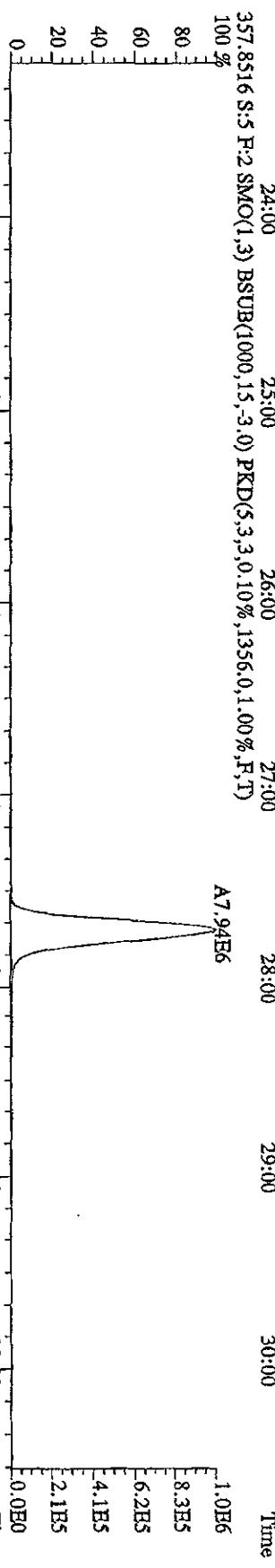
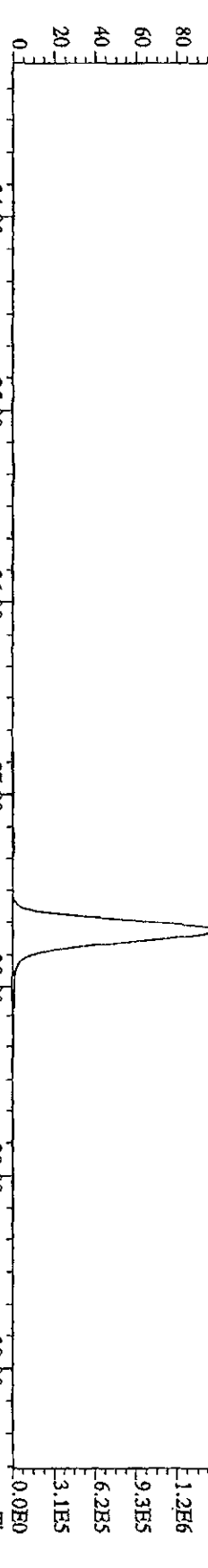
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 17:33:53 GC BF+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DIOXINRES
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1964.0,1.00%,F,T)



File: 21JUL10A4D5 #1-470 Acq: 21-JUL-2010 17:33:53 GC EI+ Voltage: 51kV Autospec: Ultimate
 Sample#5 Text: ST0721B -CS-2 10DXN334 Exp: DIOXINRES
 339,8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3196,0,1,00%,F,T)
 100%

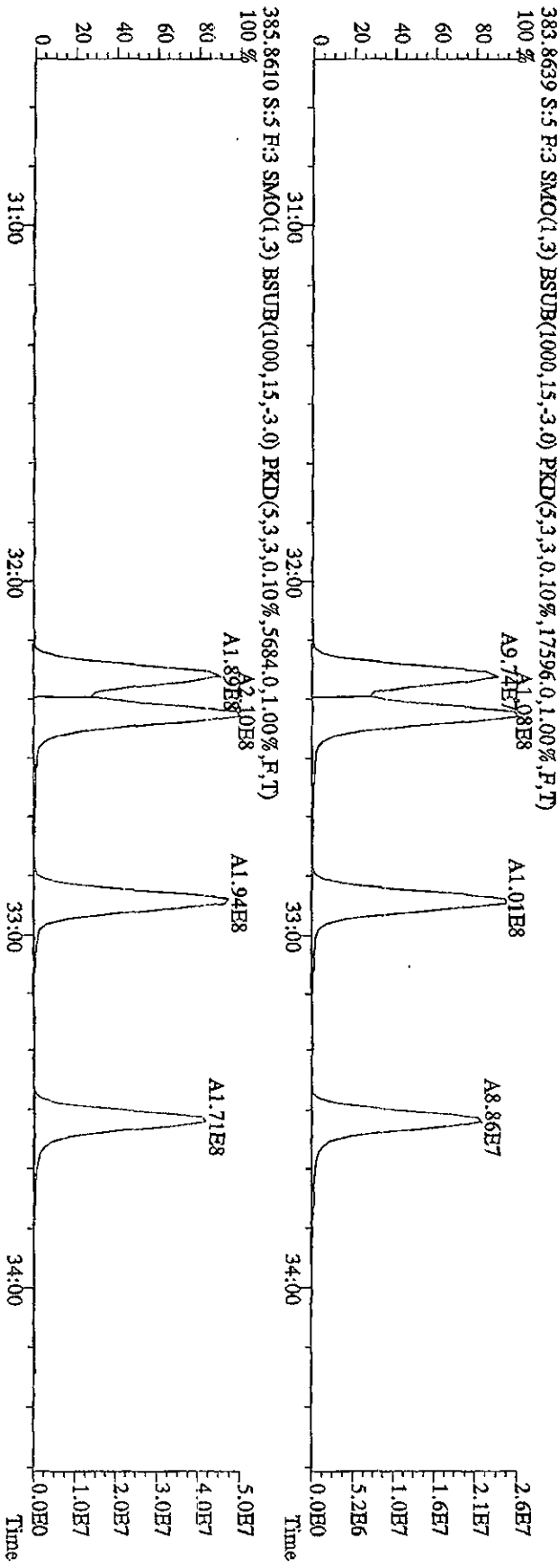
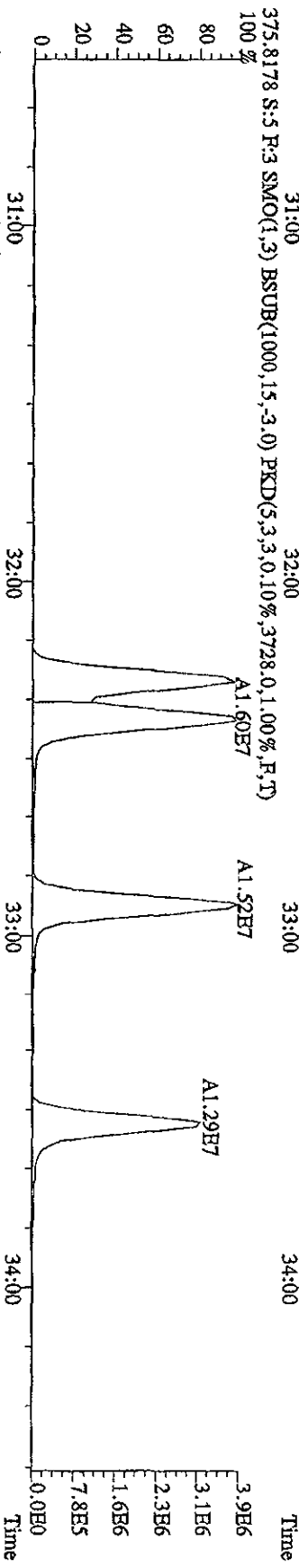
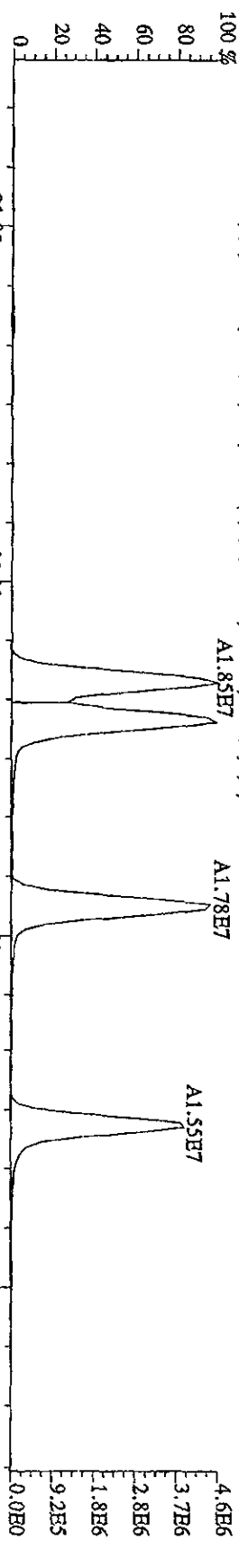


File:21JUL10A4D5 #1-470 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DI0XINRBS
 355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2284,0,1.00%,F,T)
 100 %

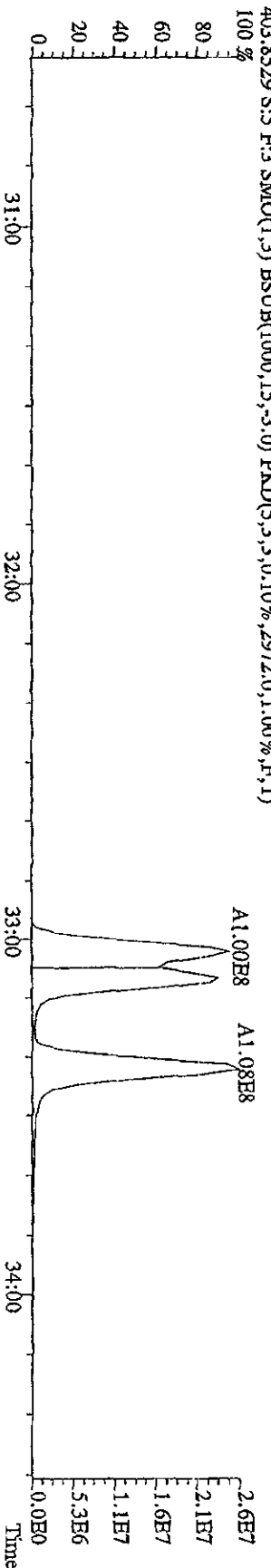
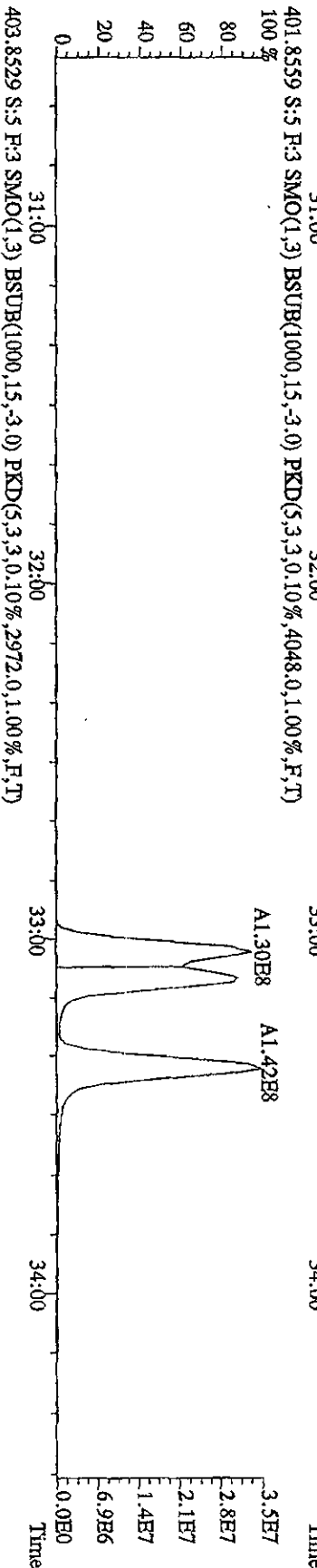
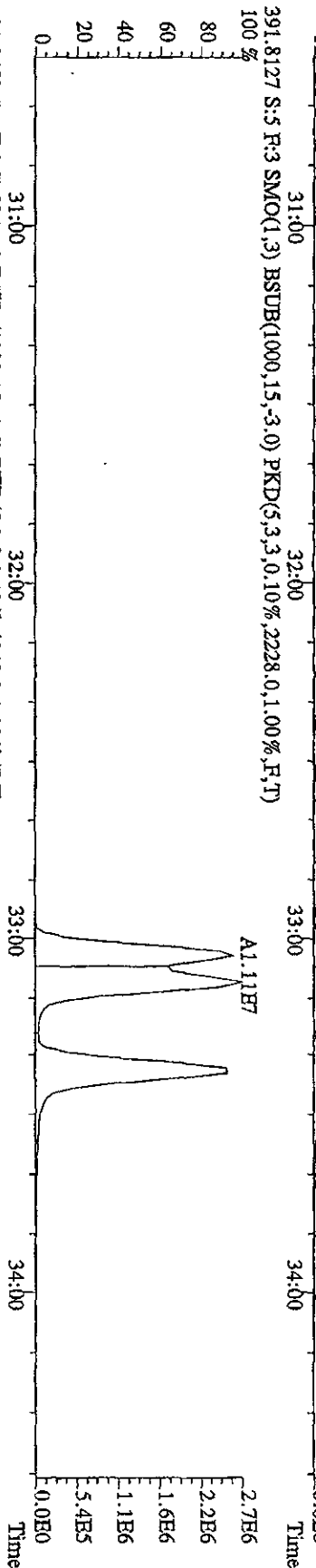
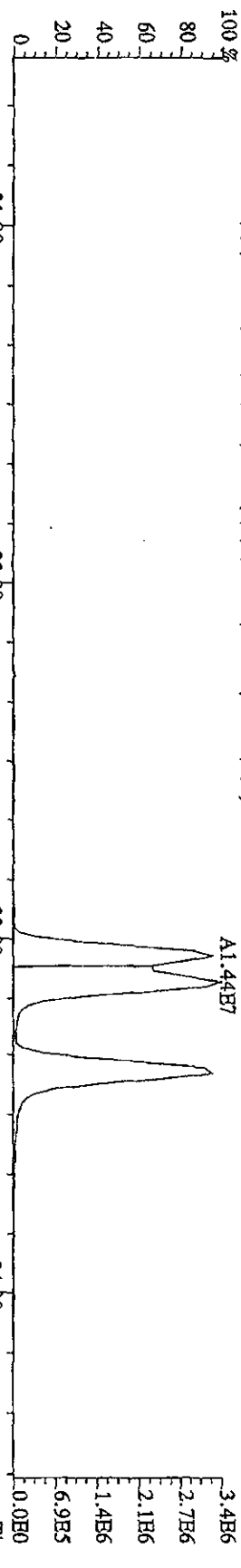


File: 21JUL10A4D5 #1-287 Acq: 21-JUL-2010 17:33:53 GC EI + Voltage SIR Autospec-UltimaB

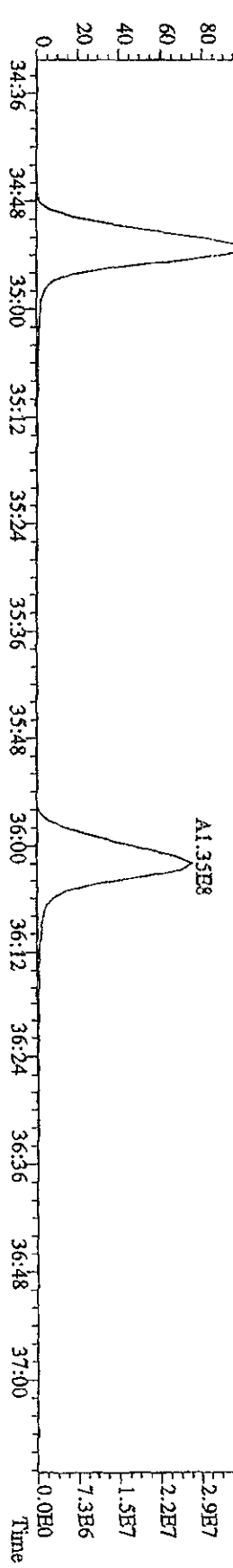
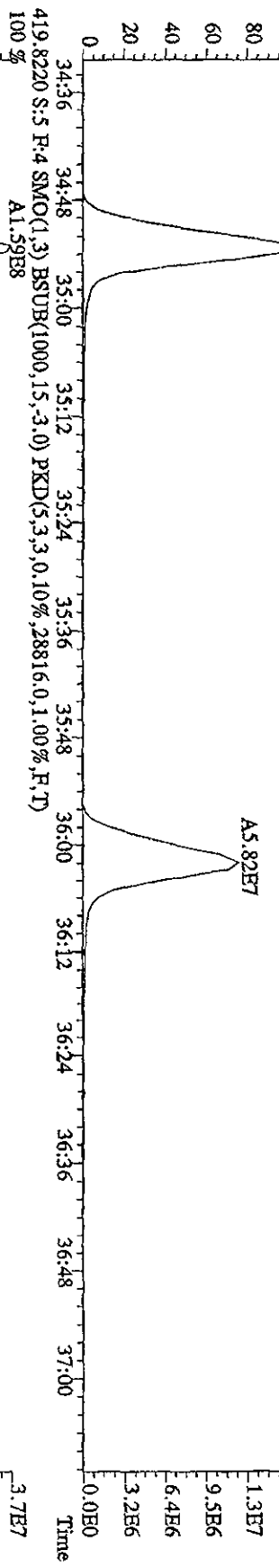
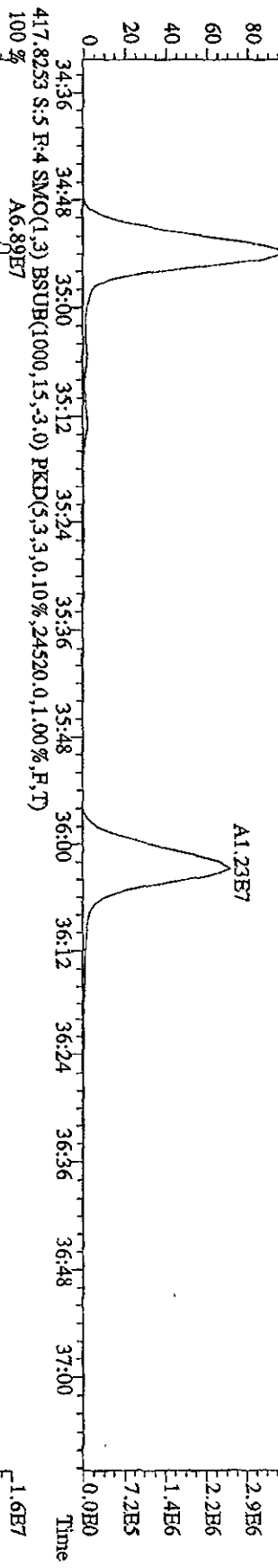
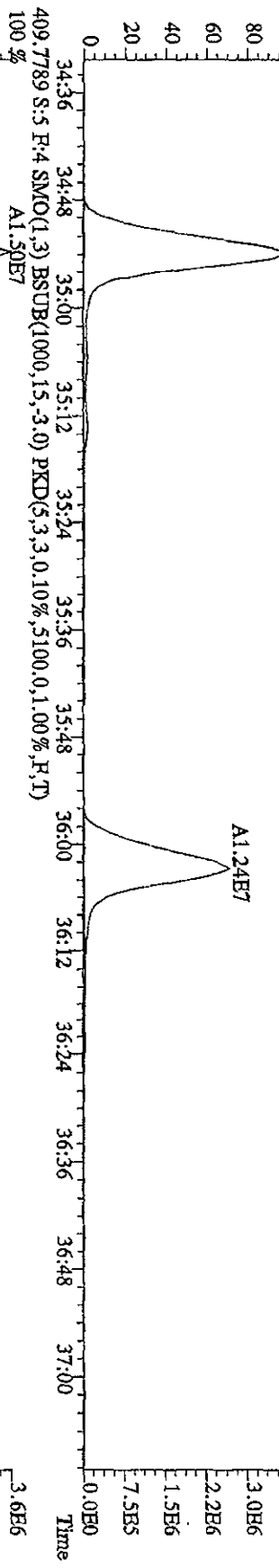
Sample#5 Text: ST0721B : CS-2 10DXN334 Exp: DIOXINRBS



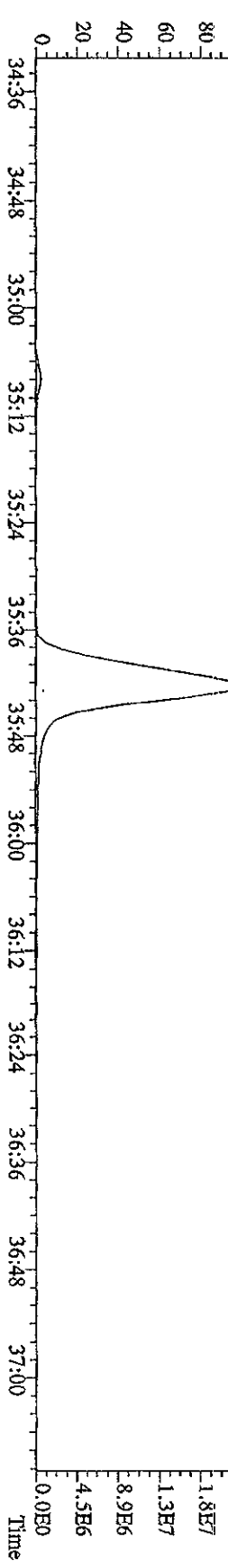
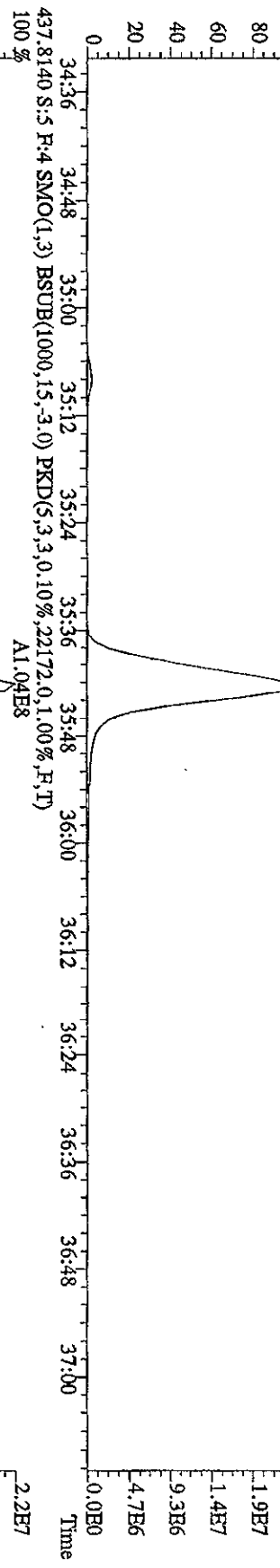
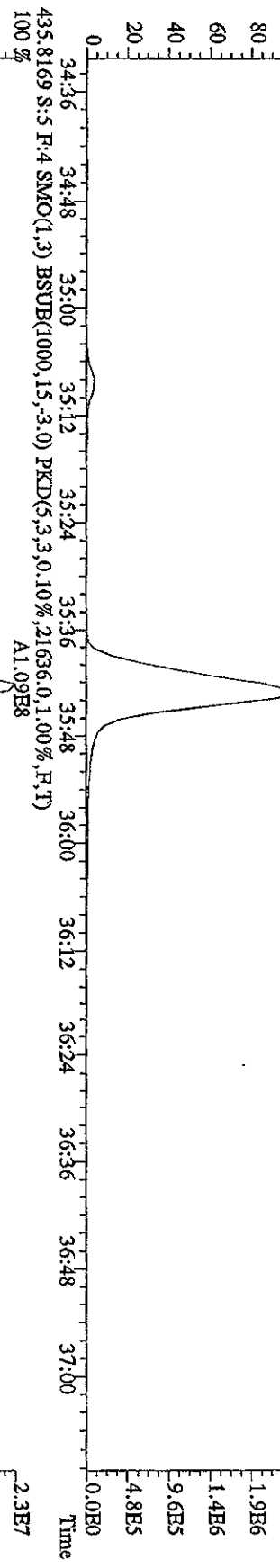
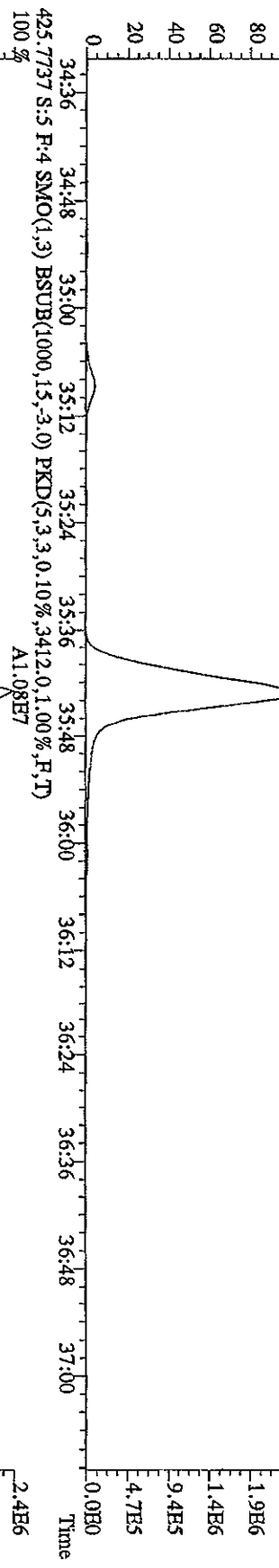
File: 21JUL10A4D5 #1-287 Acq: 21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text: ST0721B :CS-2 10DXN334 Exp: DIOXINRES
 389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1500,0,1,00%,F,T) 100%



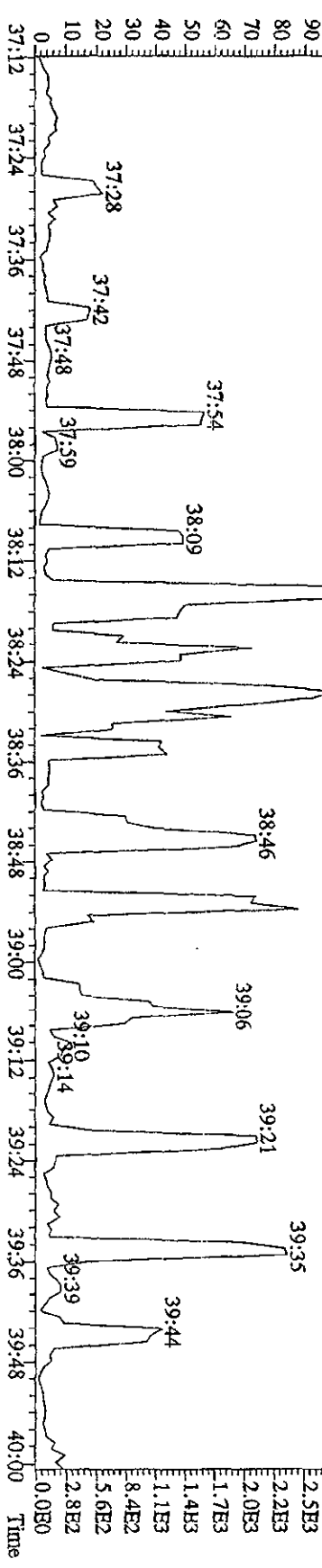
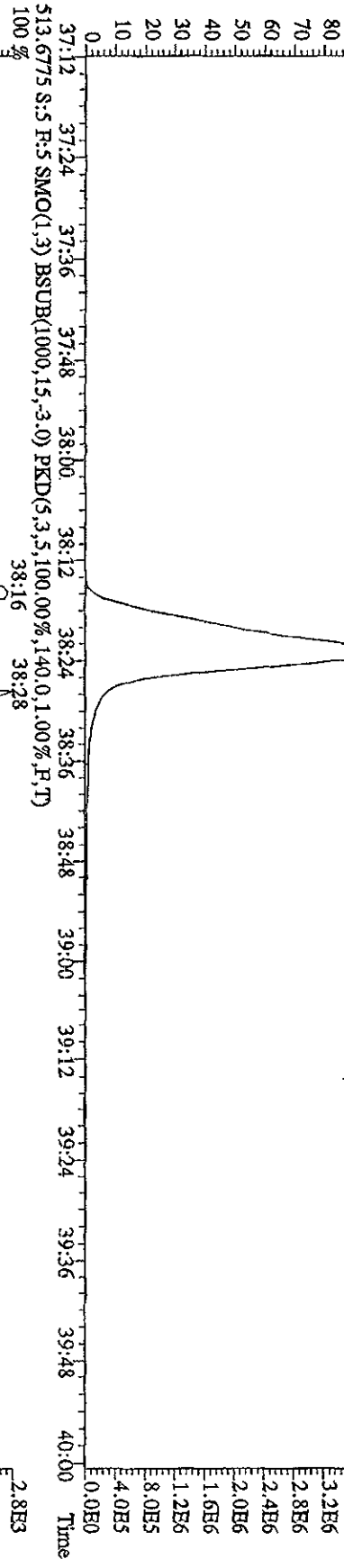
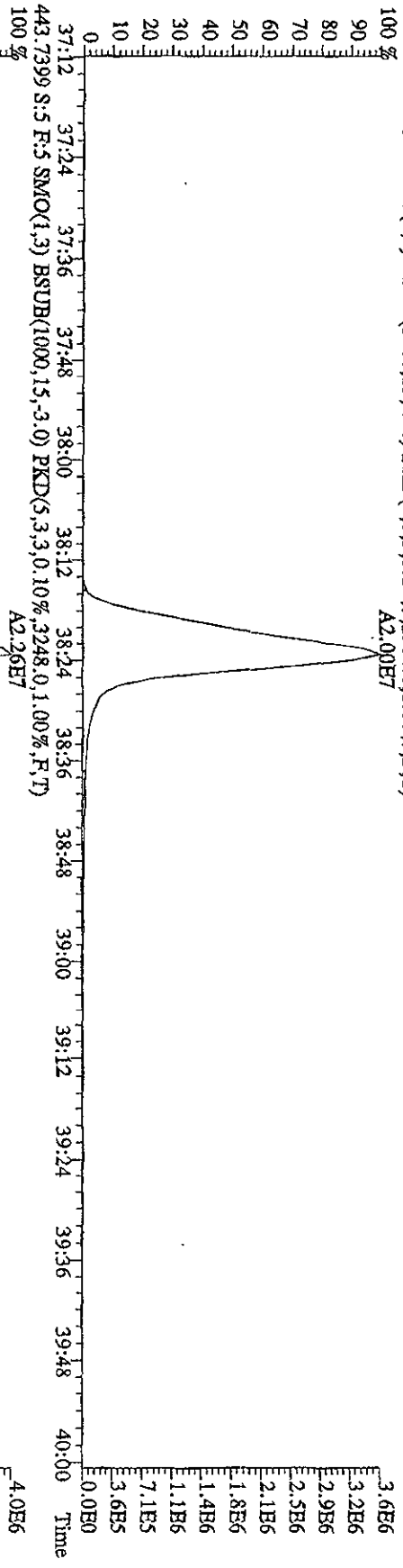
File: 21JUL10A4D5 #1-200 Acq: 21-JUL-2010 17:33:53 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text: ST0721B :CS-2 10DXN334 Exp: DIOXINRES
 407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8040,0,1,00%,R,T)
 100% A1.55E7



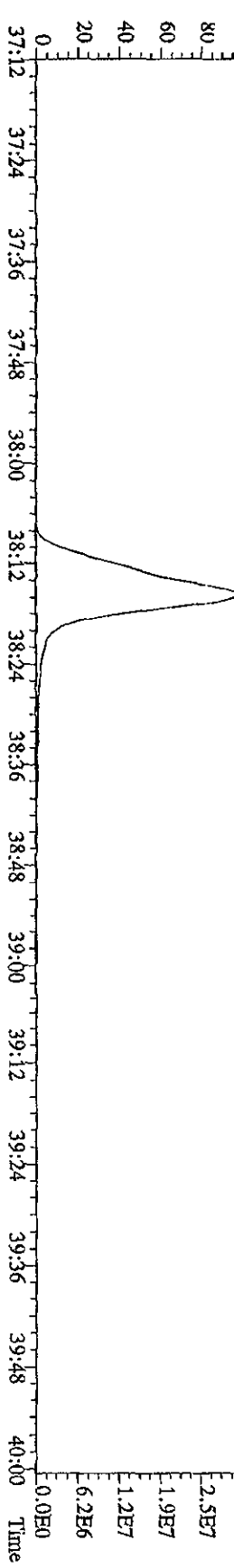
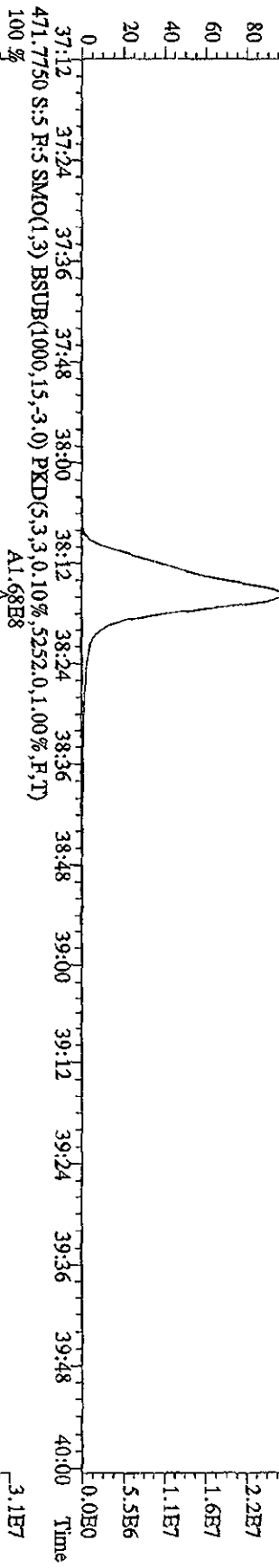
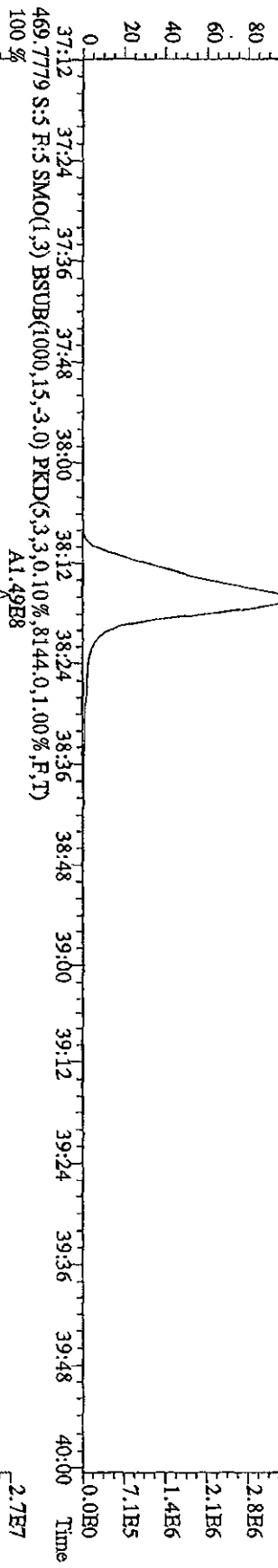
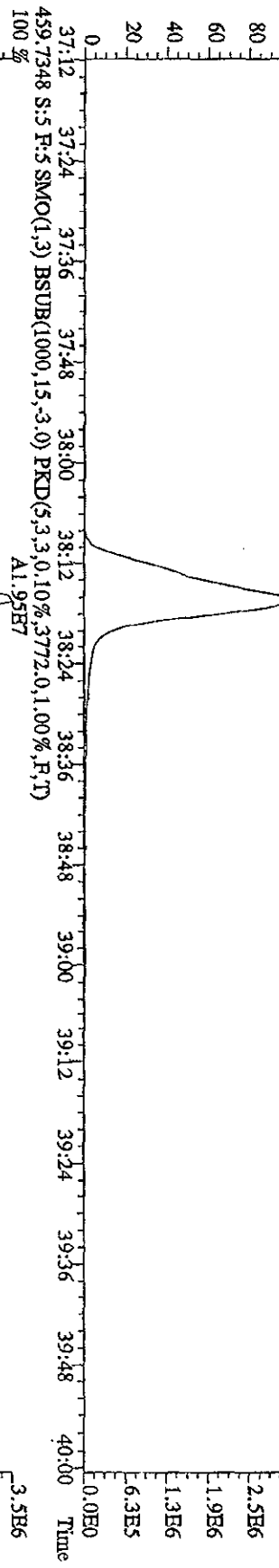
File: 21JL10A4D5 #1-200 Acq: 21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text: STU0721B : CS-2.10DXN334 Exp: DIOXINRES
 423.7737 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3164.0,1.00%,F,T)
 100% A1.10E7



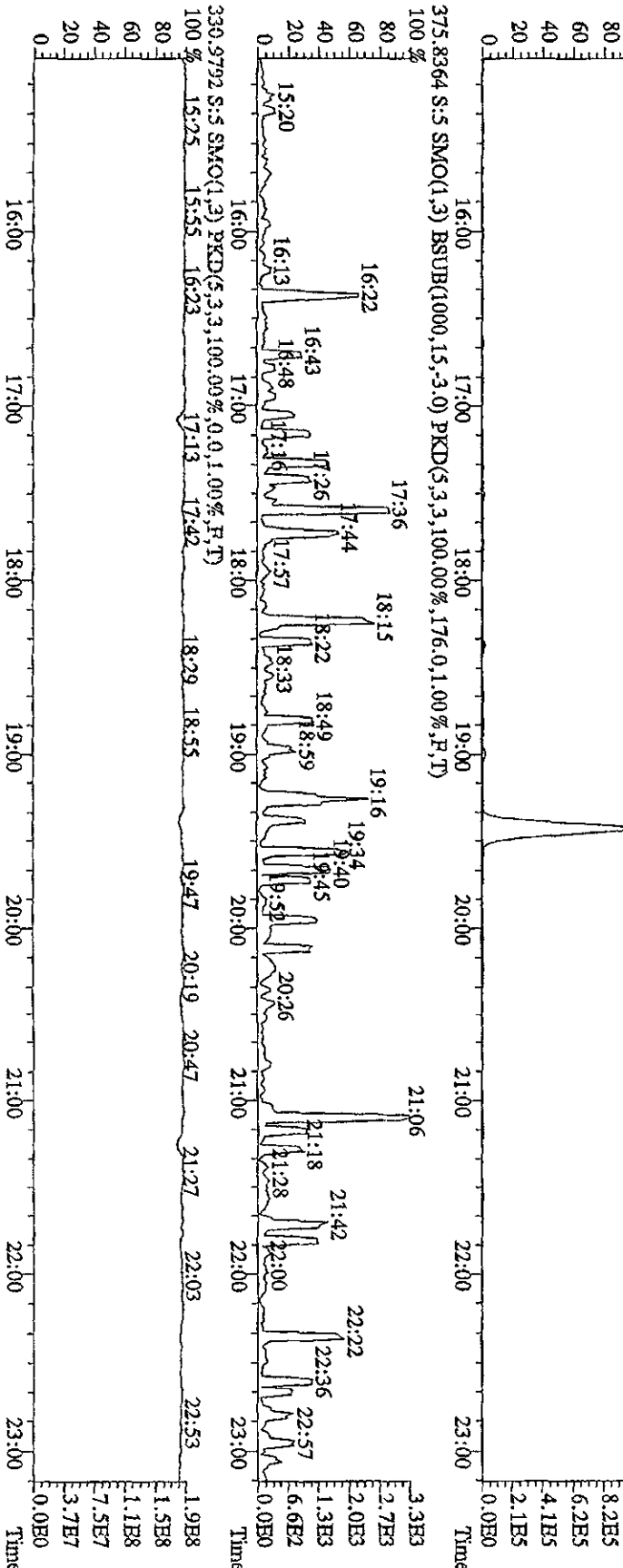
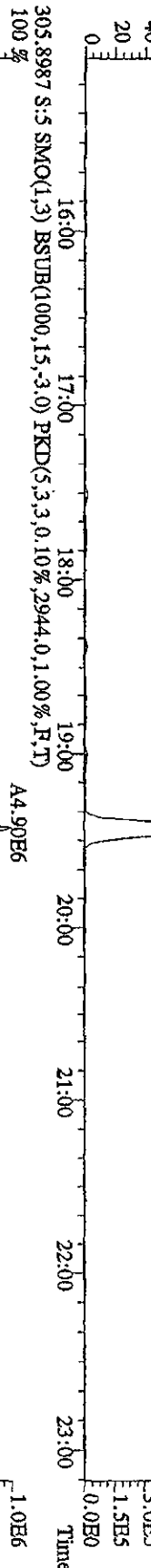
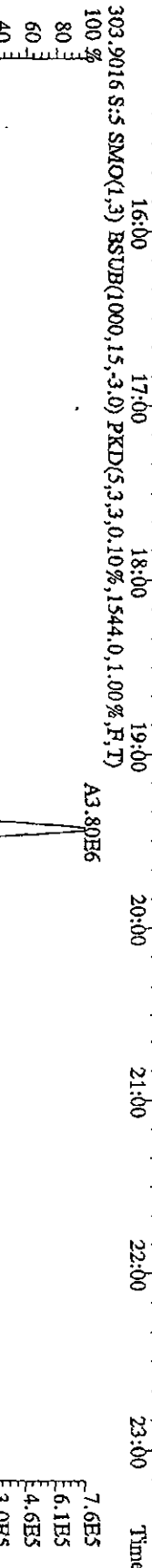
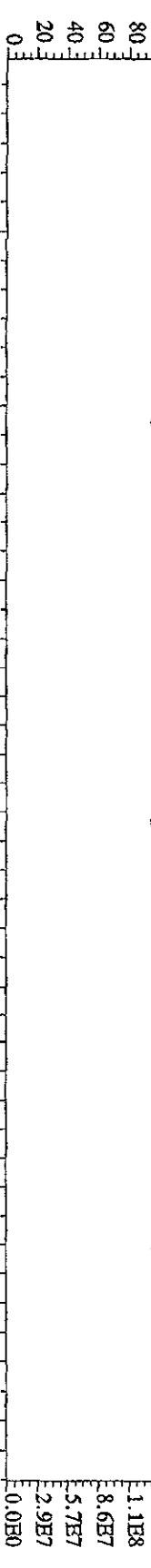
File: 21JL10A4D5 #1-228 Acq: 21-JUL-2010 17:33:53 GC EI + Voltage SIR Autospec-Ultimate
 Sample#5 Text: ST0721B :CS-2 10DXN334 Exp: DIOXINRES
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2904,0,1,00%,F,T)
 100%



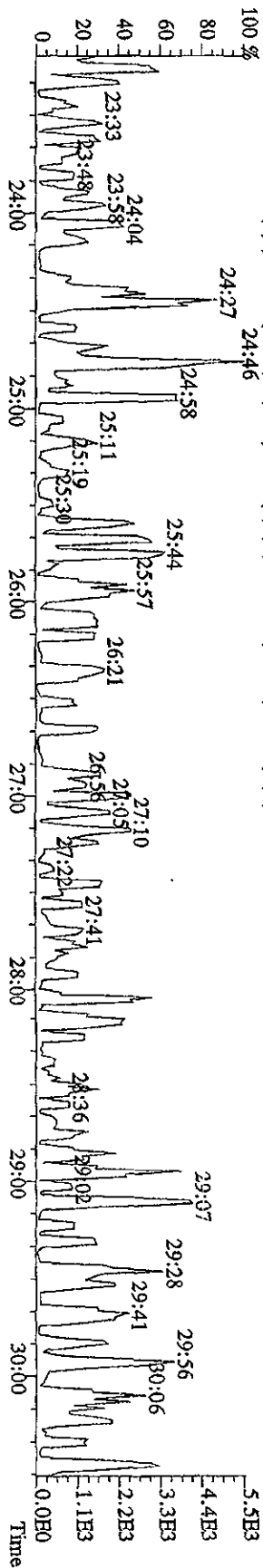
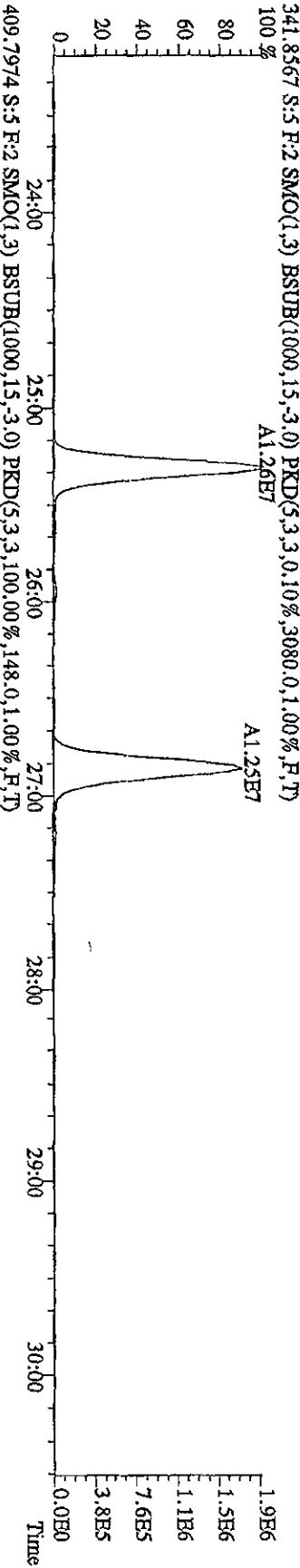
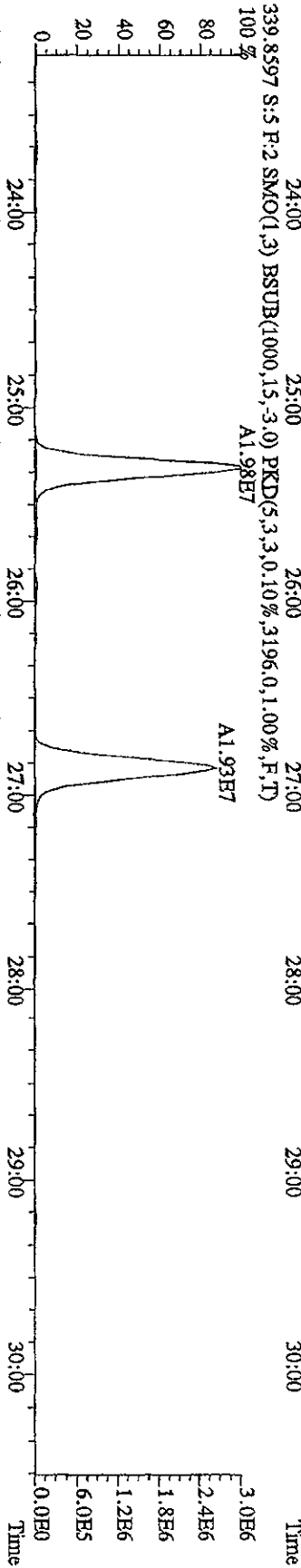
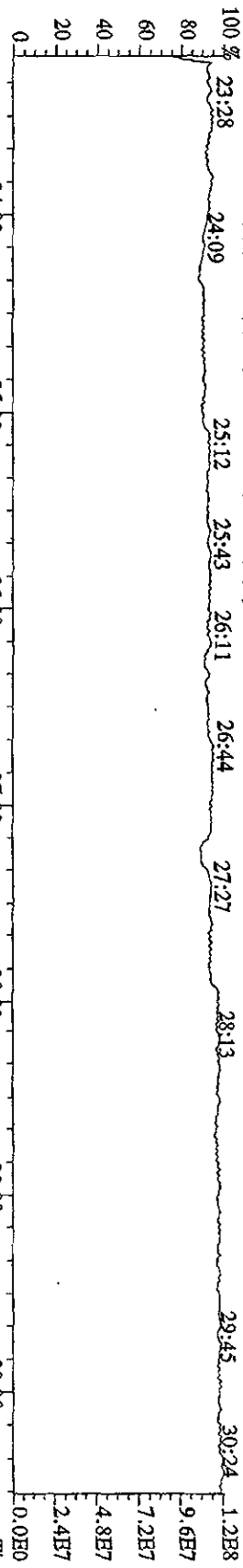
File:2JUL10A4D5 #1-228 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIF Autospec-UltimaE
 Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DJOXINRES
 457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3728.0,1.00%,F,T)
 100% A1.75E7



File: 211110A4D5 #1-541 Acq: 21-JUL-2010 17:33:53 GC BI+ Voltage SIR Autospec-UtimaB
 Sample#5 Text: ST0721B :CS-2 10DXN334 Exp: DIOXINRES
 292.9825 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 100% 15:14 16:16 17:01 17:28 18:46 20:04 20:43 21:12 21:58 22:41



File: 21JUL10A4D5 #1-470 Acq: 21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text: ST0721B :CS-2 10DXN334 Exp: DIOXINRES



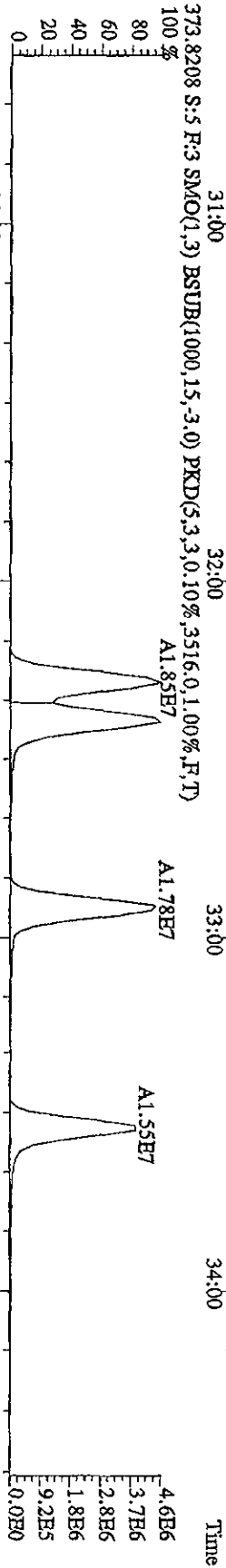
File:21J110A4D5 #1-287 Acq:21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-Ultimate

Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DI0XINRBS

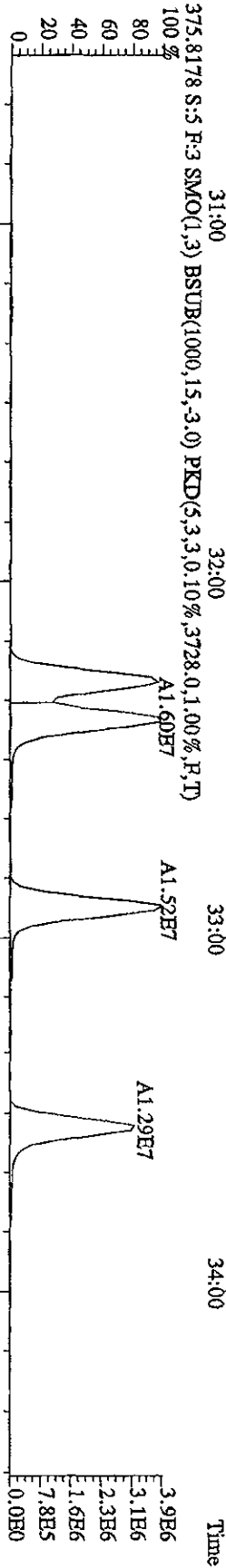
392.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



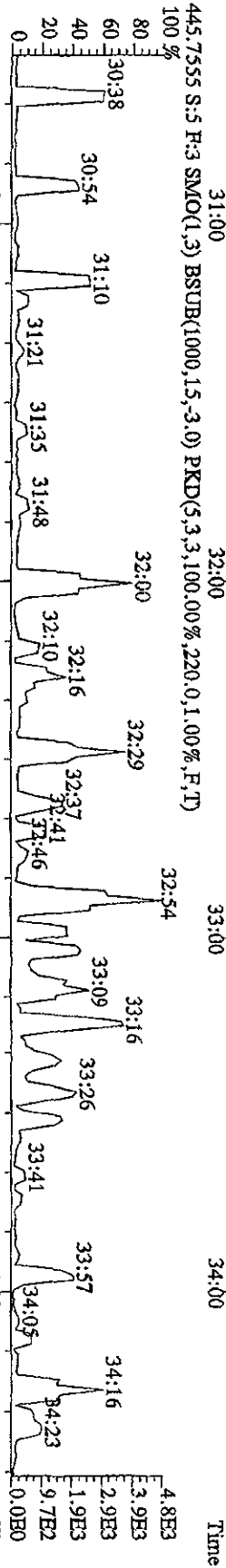
373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3516,0,1.00%,F,T)



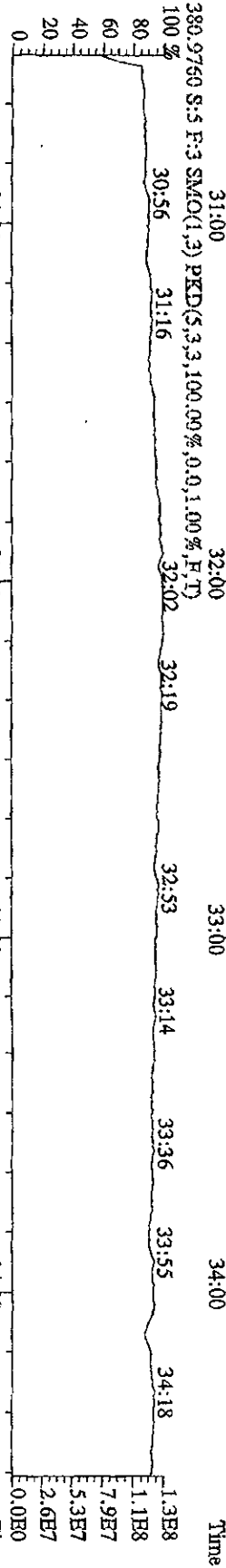
375.8178 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3728,0,1.00%,F,T)



445.7555 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,220,0,1.00%,F,T)



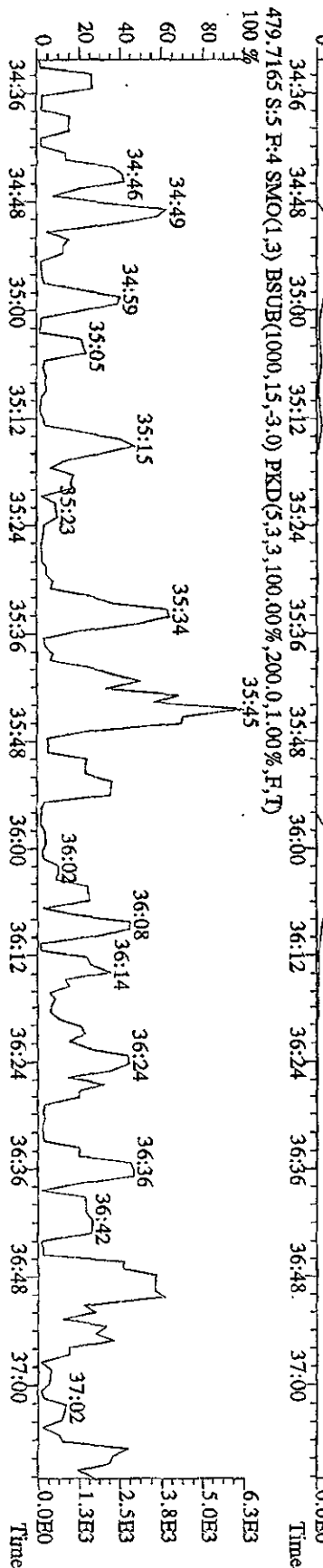
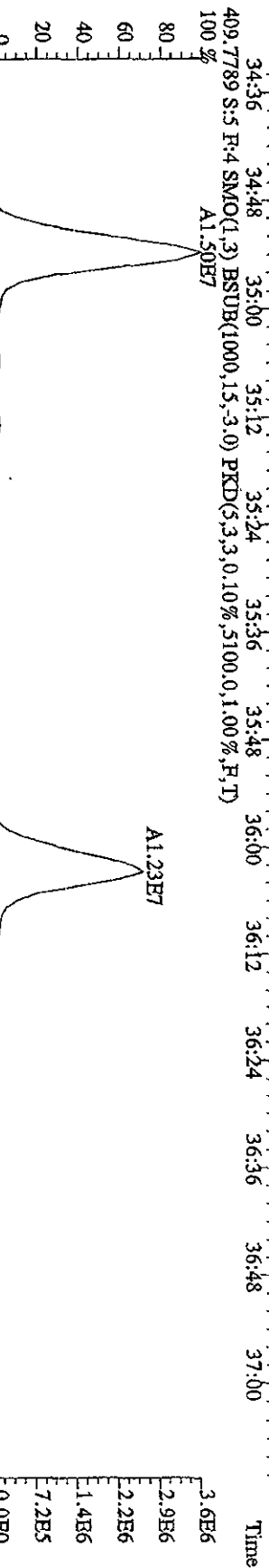
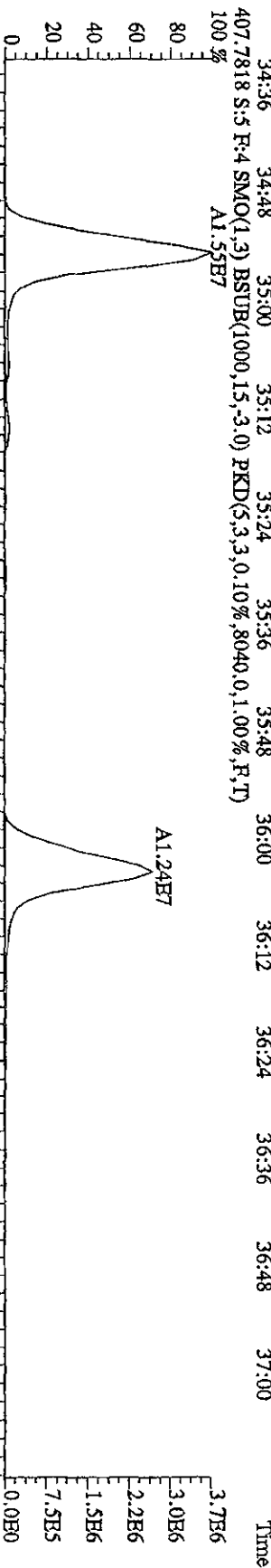
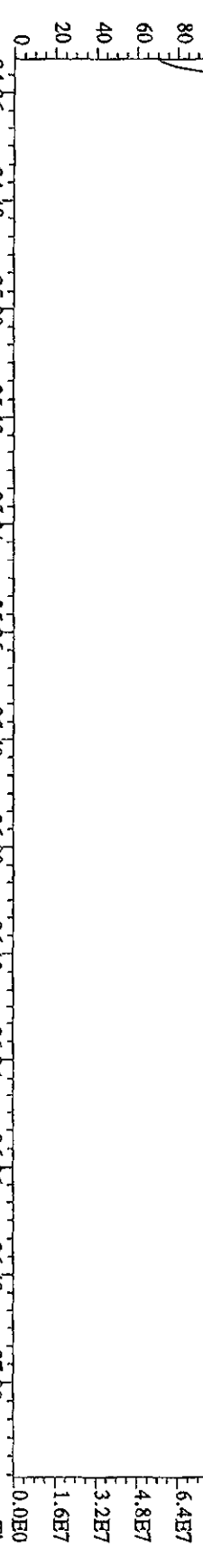
380.9760 S:5 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



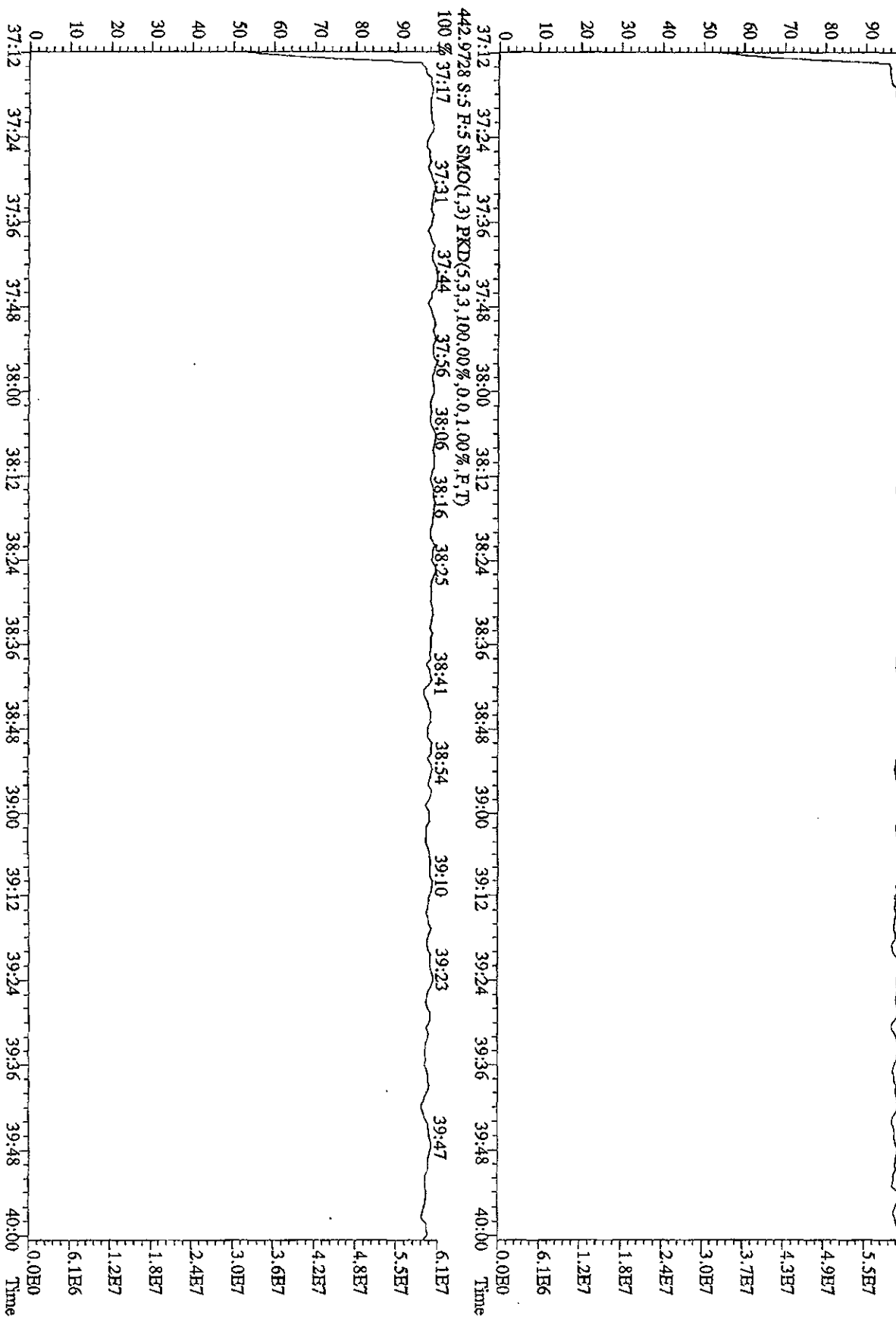
File: 21JUL10A4D5 #1-200 Acq: 21-JUL-2010 17:33:53 GC EI+ Voltage SIR Autospec-Ultimate

Sample#5 Text: ST0721B : CS-2 10DXN334 Exp: DIOXINRBS

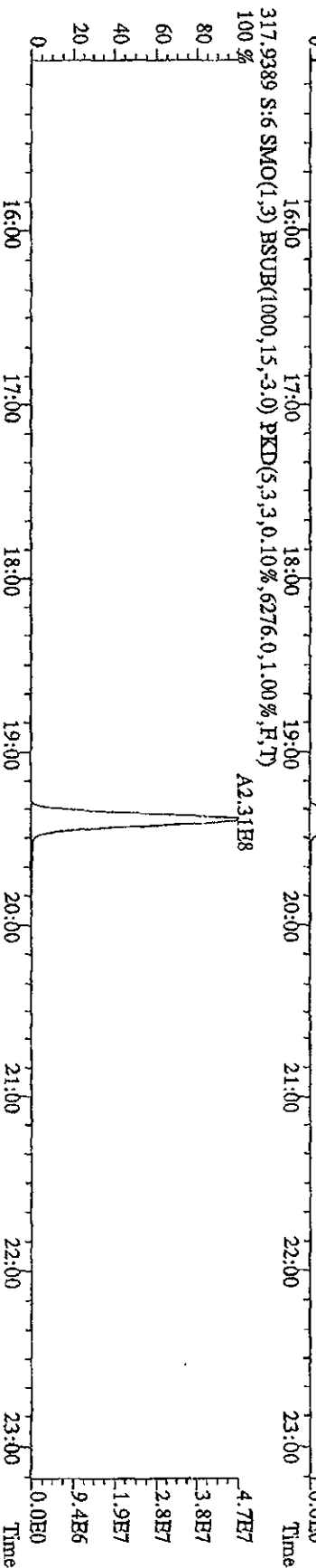
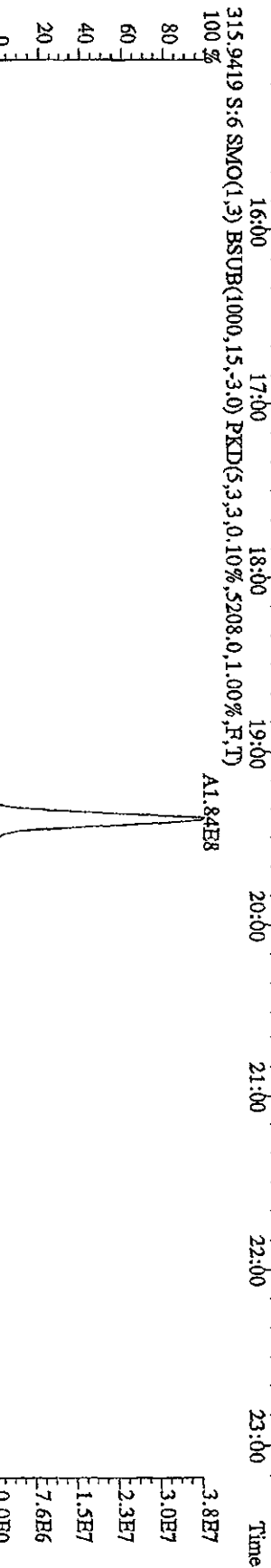
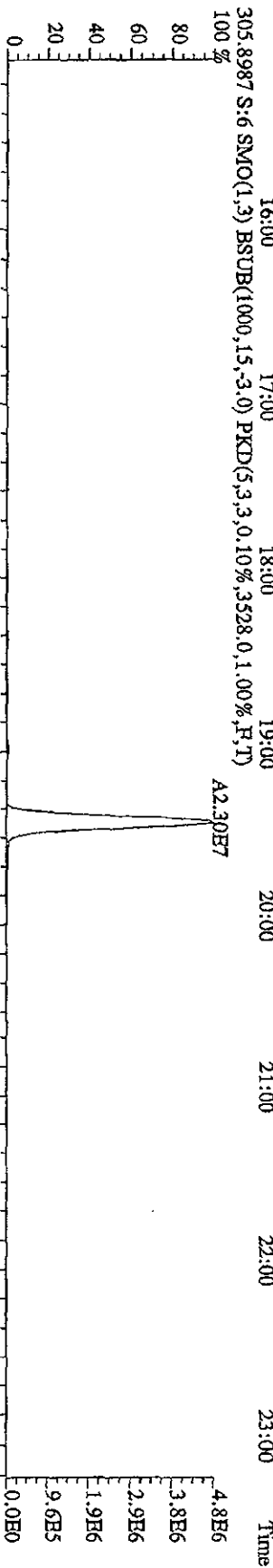
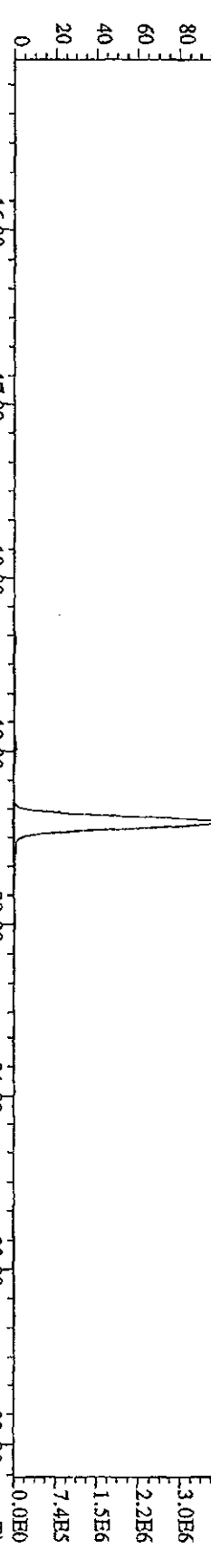
430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



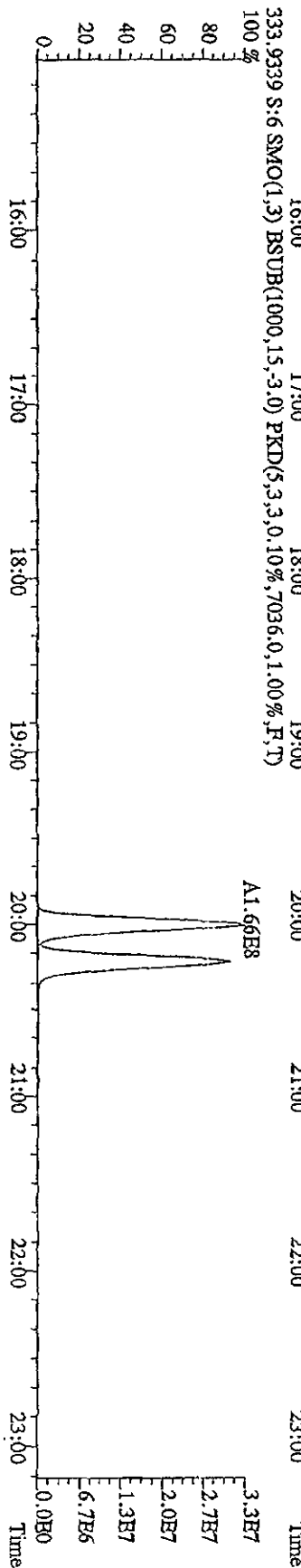
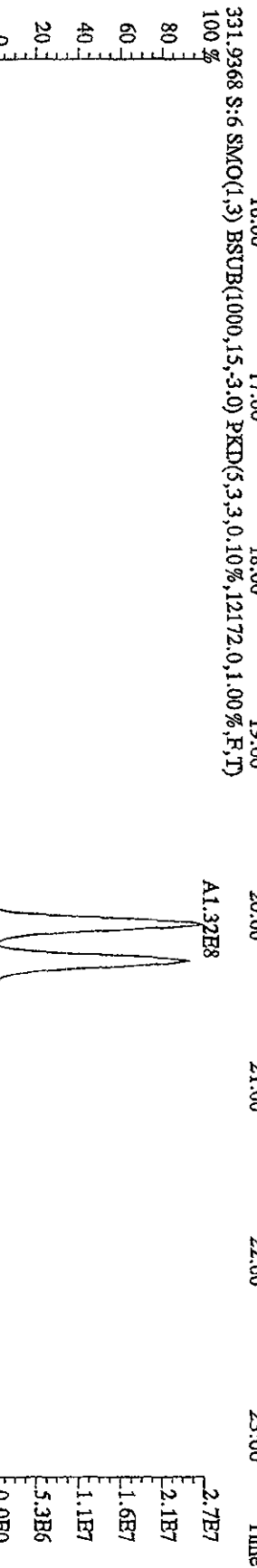
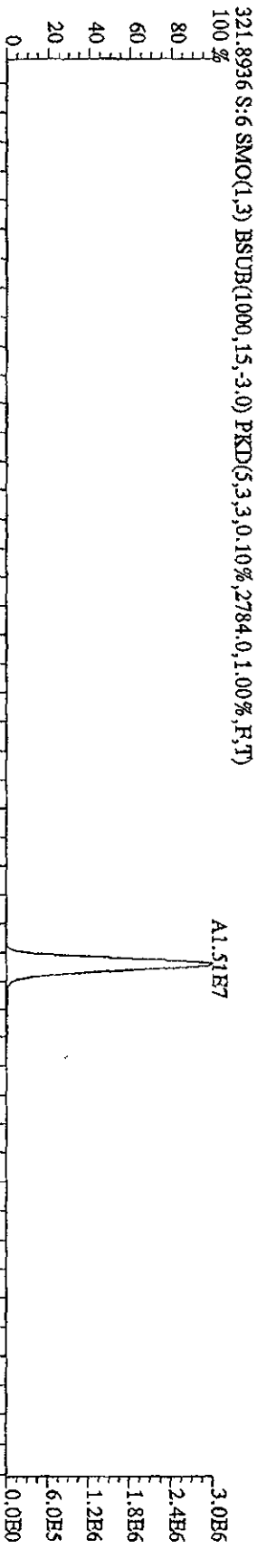
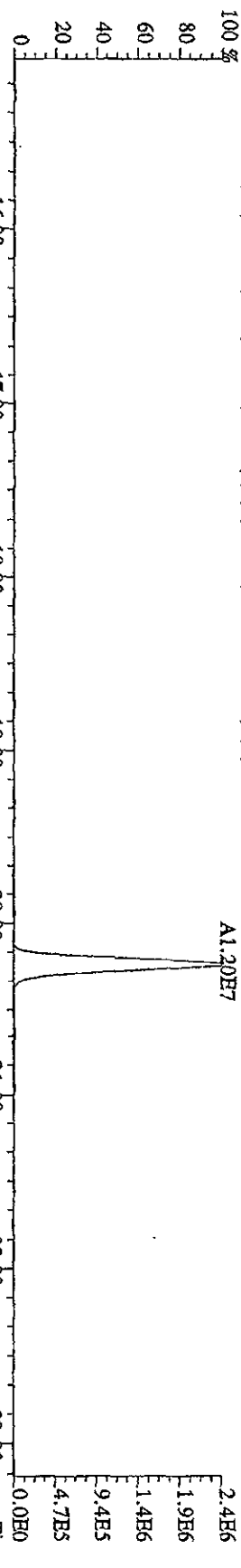
File:21JUL10A4D5 #1-228 Acq:21JUL-2010 17:33:53 GC HI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0721B :CS-2 10DXN334 Exp:DI0XINRBS
 454.9728 S:5 F:5 SMO(1,3) PKID(5,3,100,00%,0,0,1,00%,F,T)
 100% 37:20 37:31 37:51 38:09 38:25 38:44 38:57 39:07 39:22 39:42 39:55



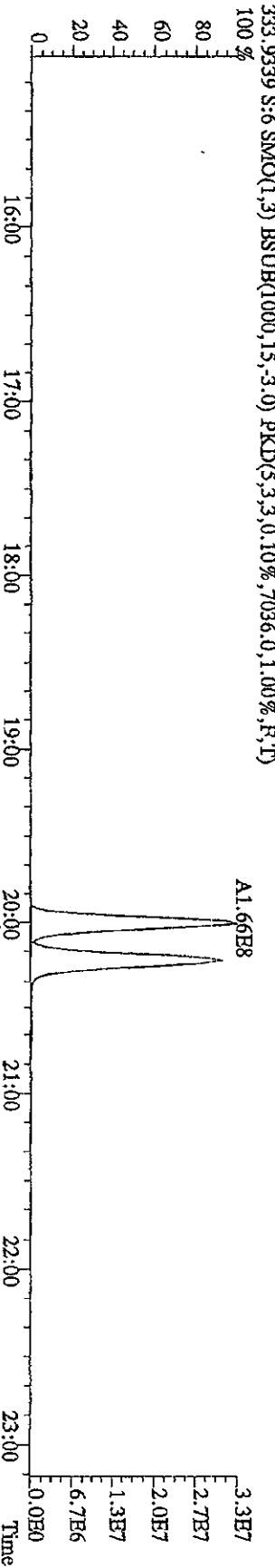
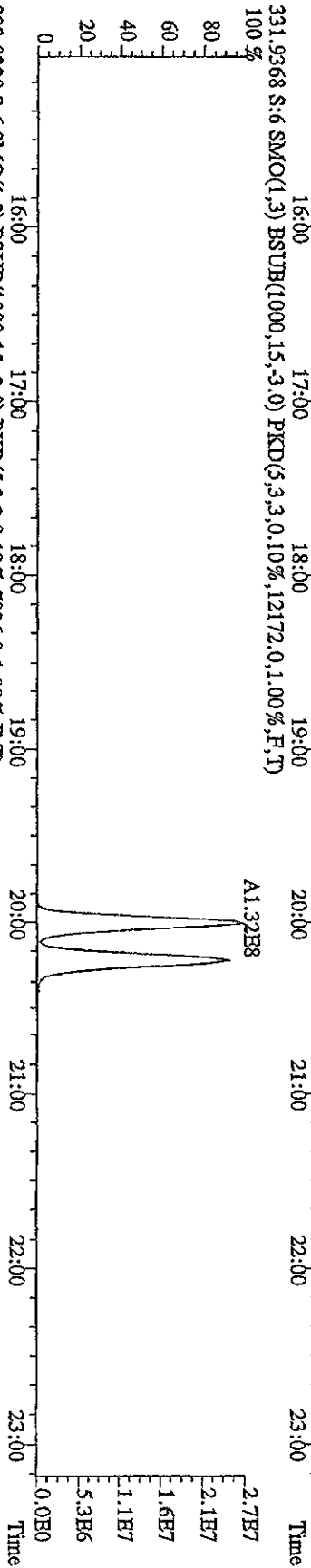
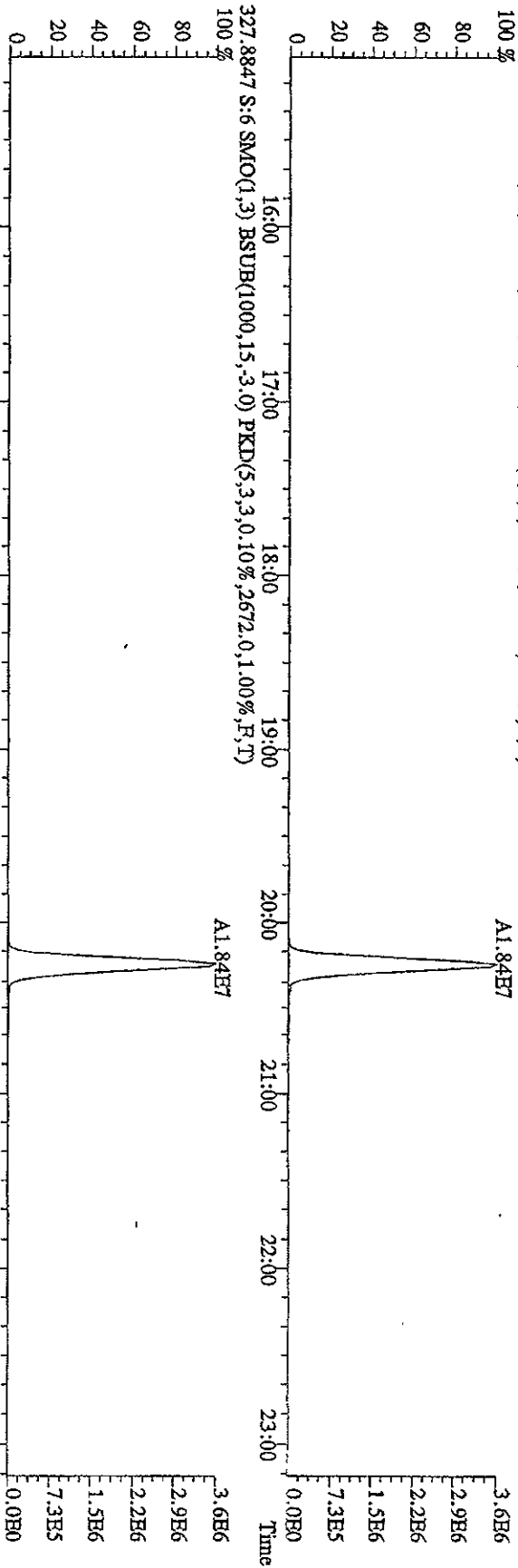
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 18:18:56 GC BI+ Voltage \$IR Autospec-Ultimate
 Sample#6 Text: ST0721C :CS-3 10DXN336 Exp: DIOXINRES
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2384,0,1.00%,F,T)
 100%



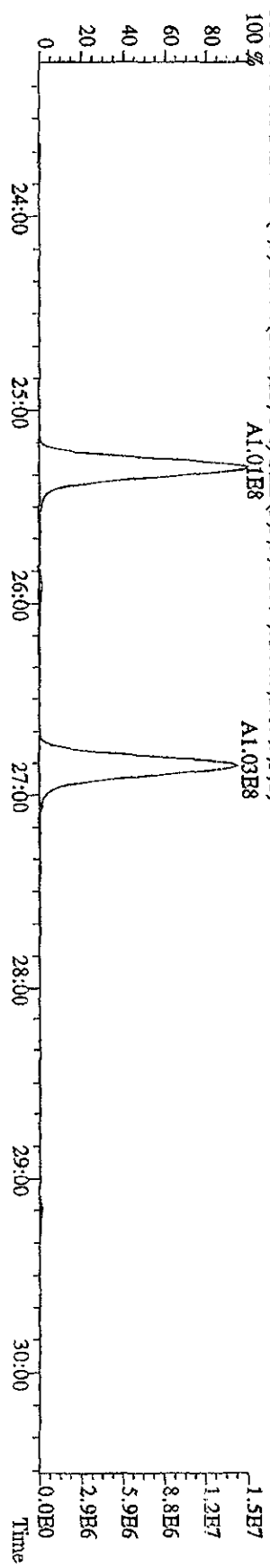
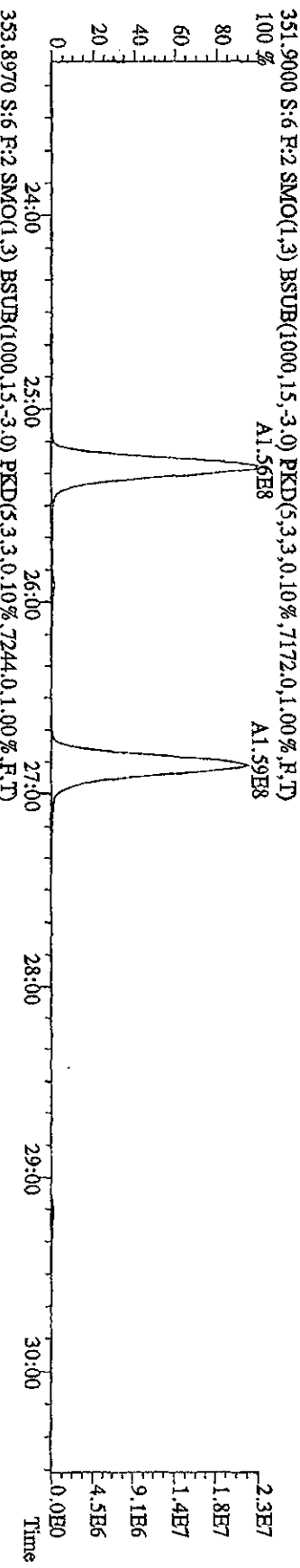
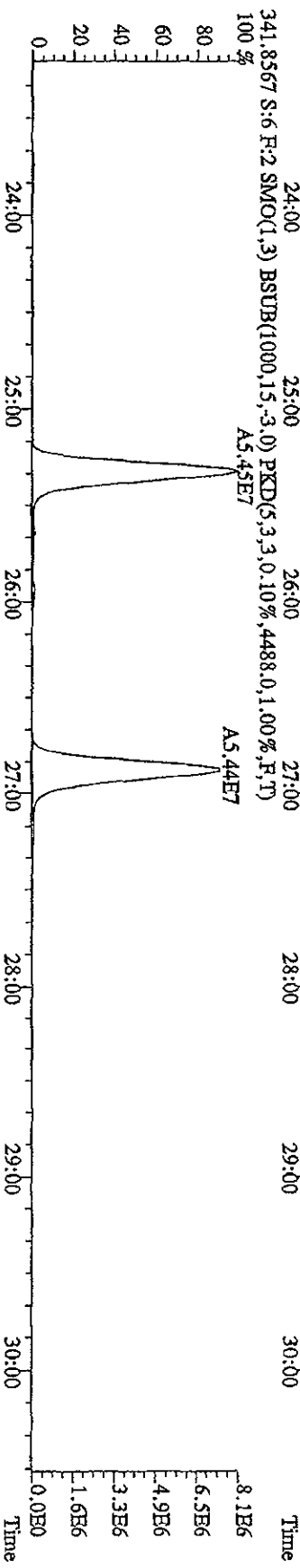
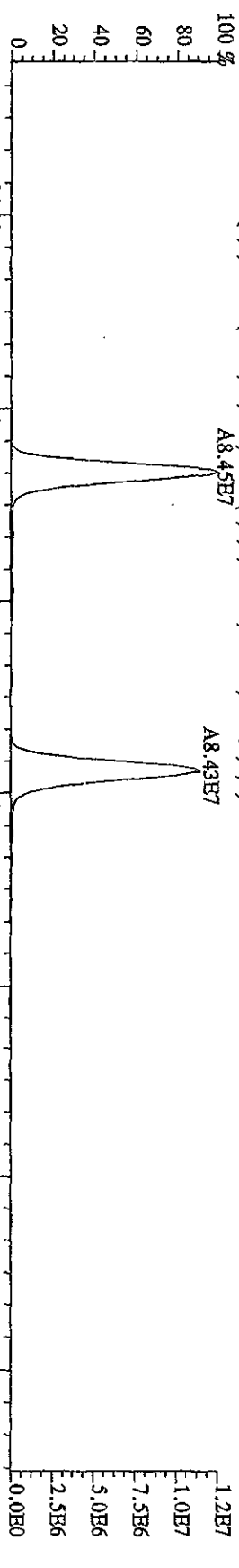
File: 211L10A4D5 #1-541 Acq: 21-JUL-2010 18:18:56 GC BI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text: ST0721C :CS-3 10DXN336 Exp: DIOXINRES
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2340,0,1,00%,F,T)
 100%



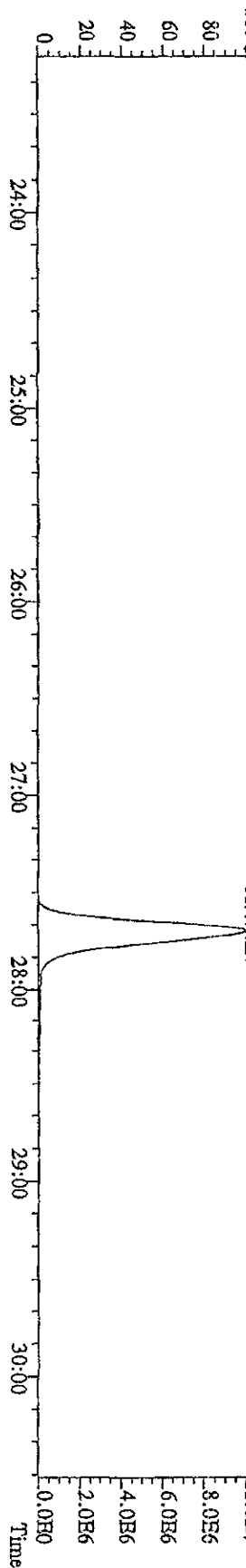
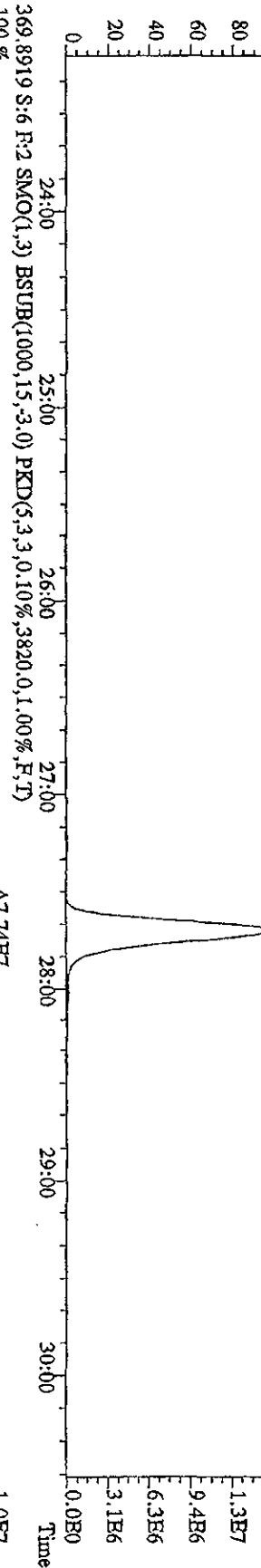
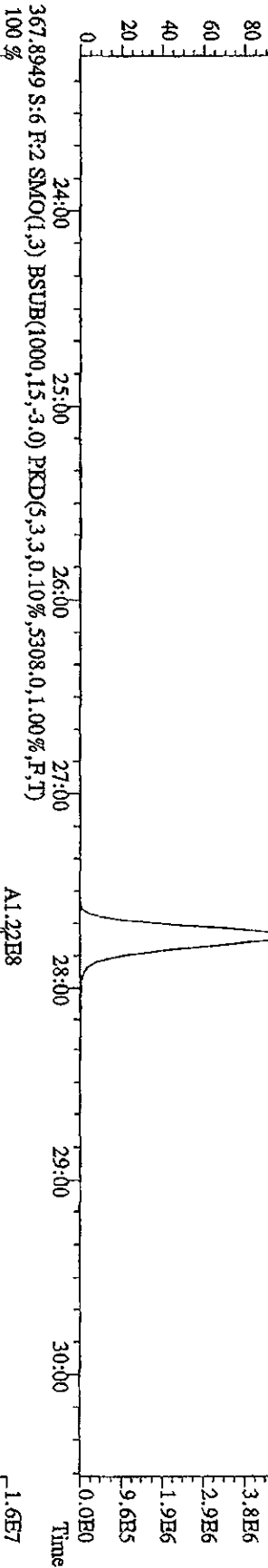
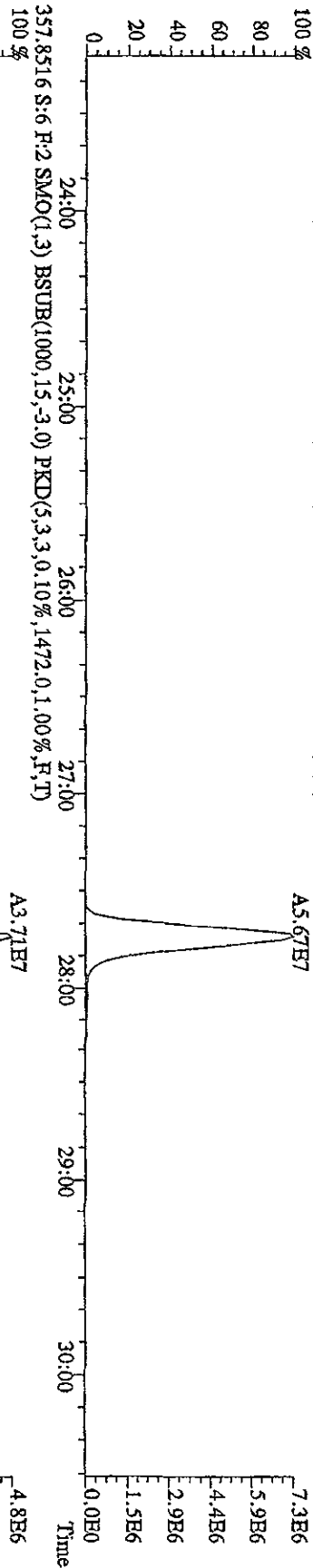
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 18:18:56 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0721C :CS-3 10DXN36 Exp:DIOXINRES
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2672.0,1.00%,F,T)



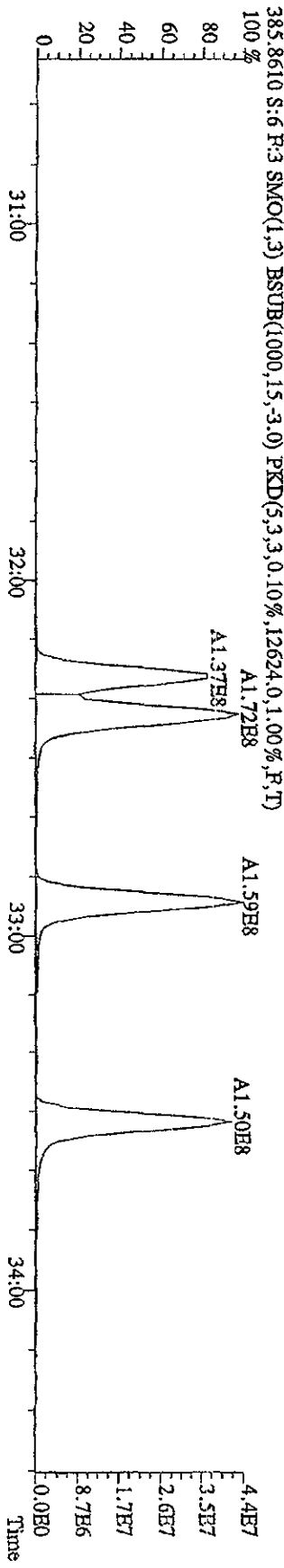
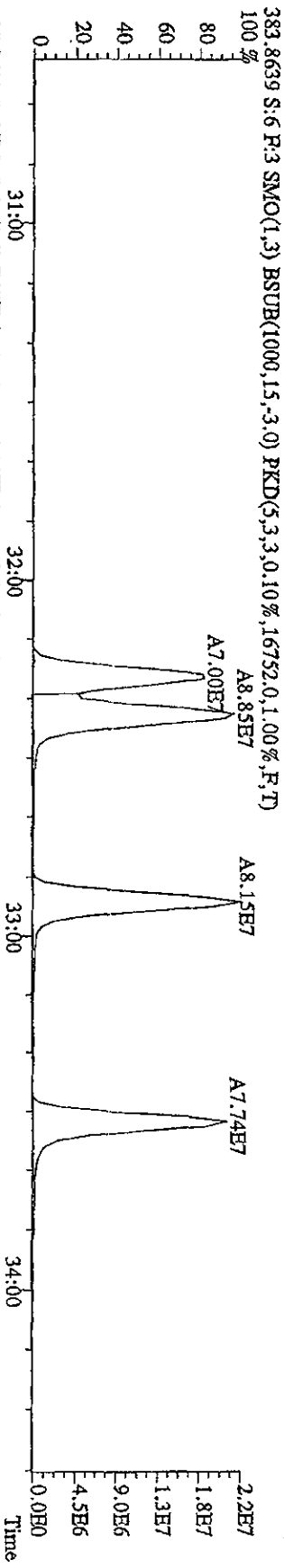
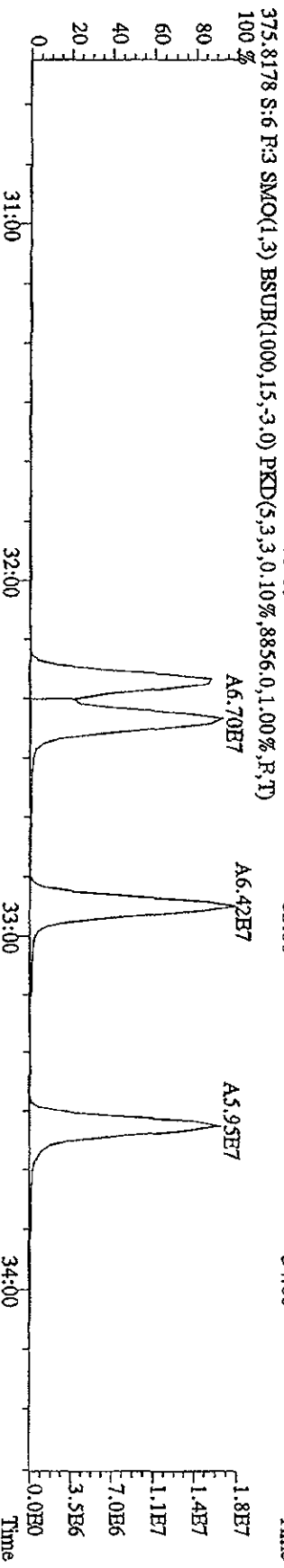
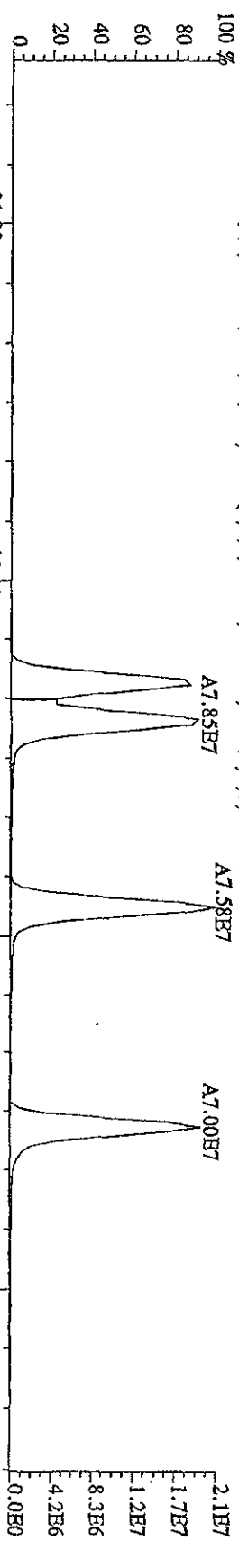
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 18:18:56 GC HI+ Voltage SIR Autospec-UltimaR
 Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES
 339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5136,0,1,00%,F,T)
 100%



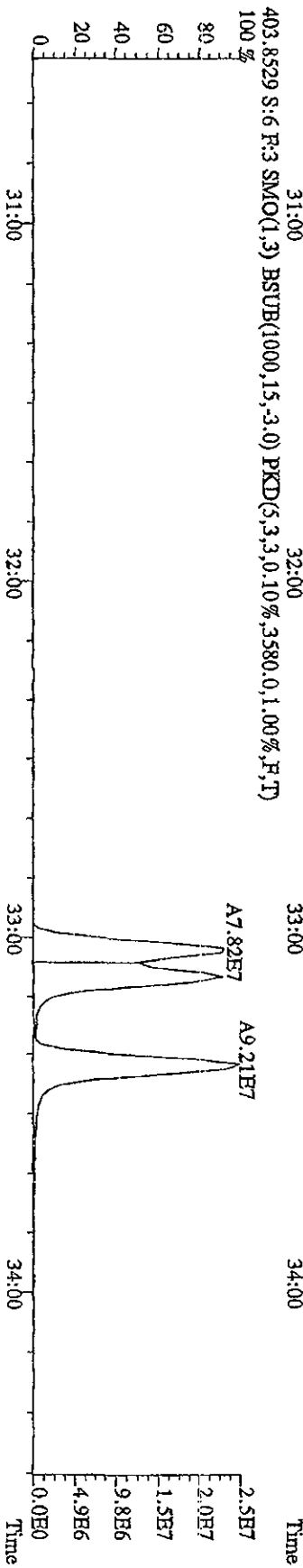
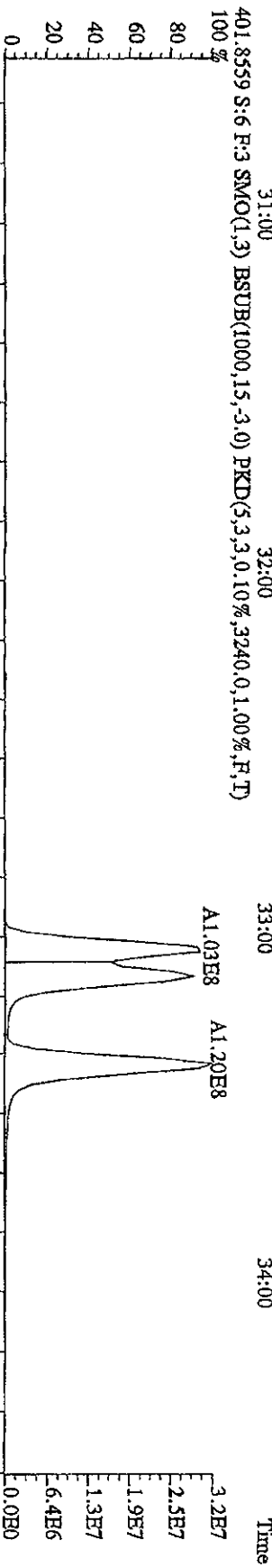
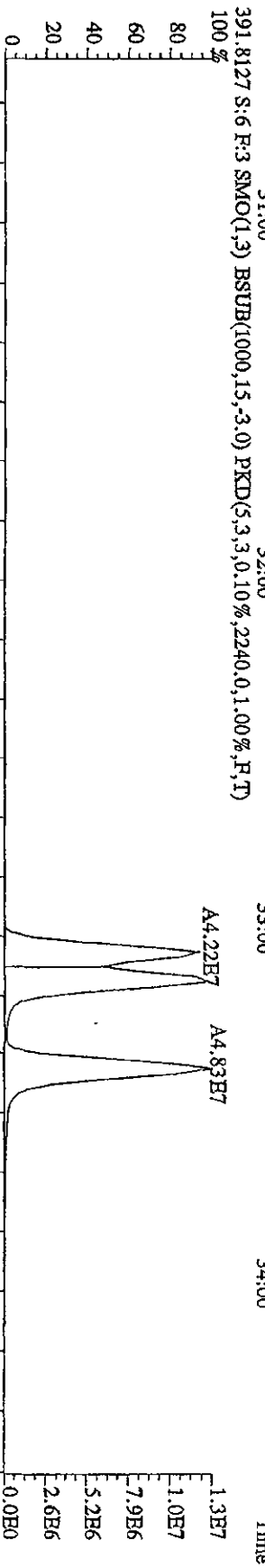
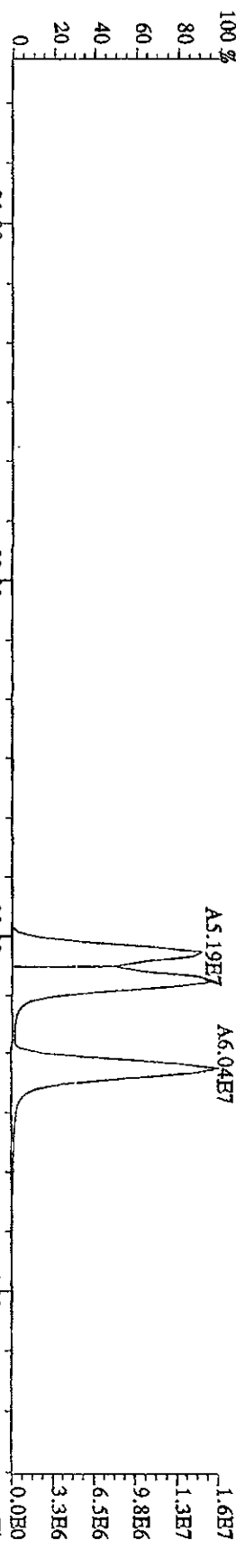
File: 21JUL10A4D5 #1-470 Acq: 21-JUL-2010 18:18:56 GC BF+ Voltage SIR Autospec-UHmanB
 Sample#6 Text: ST0721C :CS-3 10DXN336 Exp: DIOXINRES
 355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2856,0,1.00%,F,T)



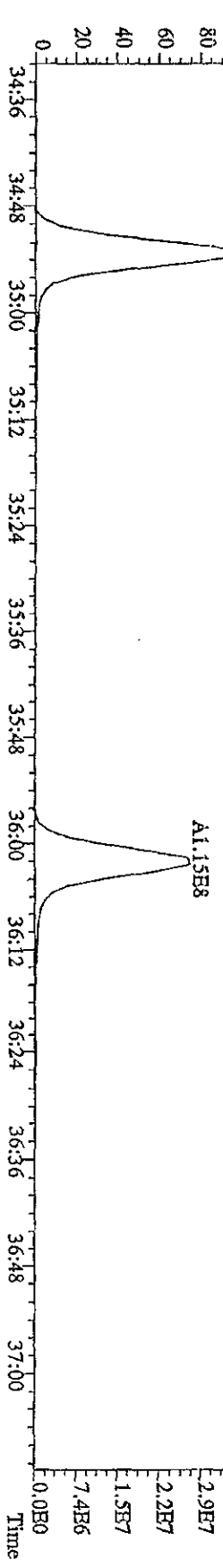
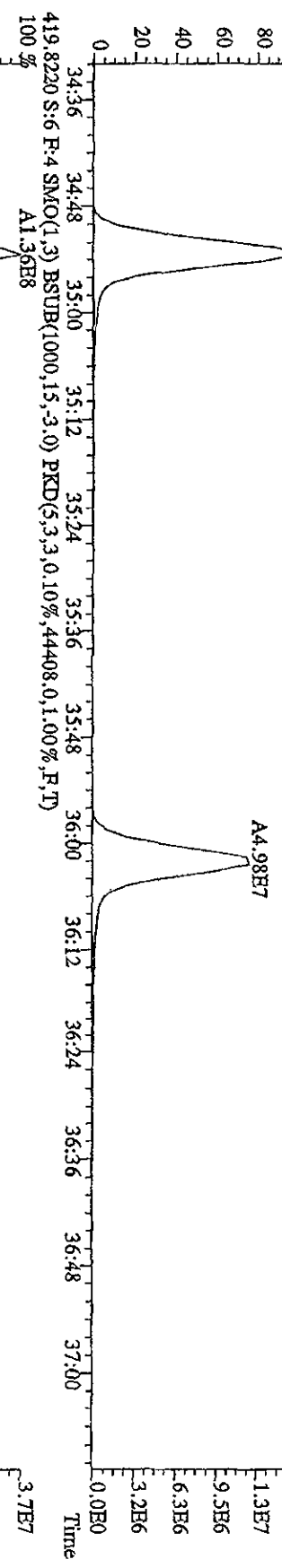
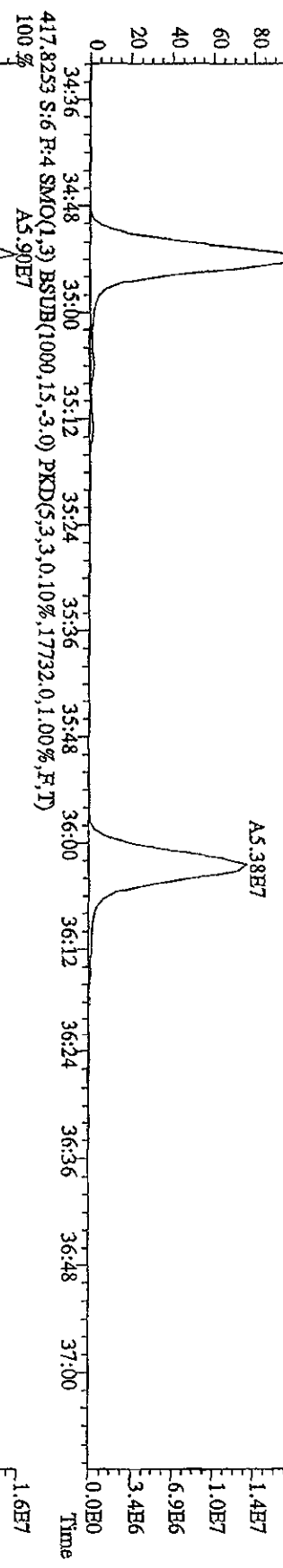
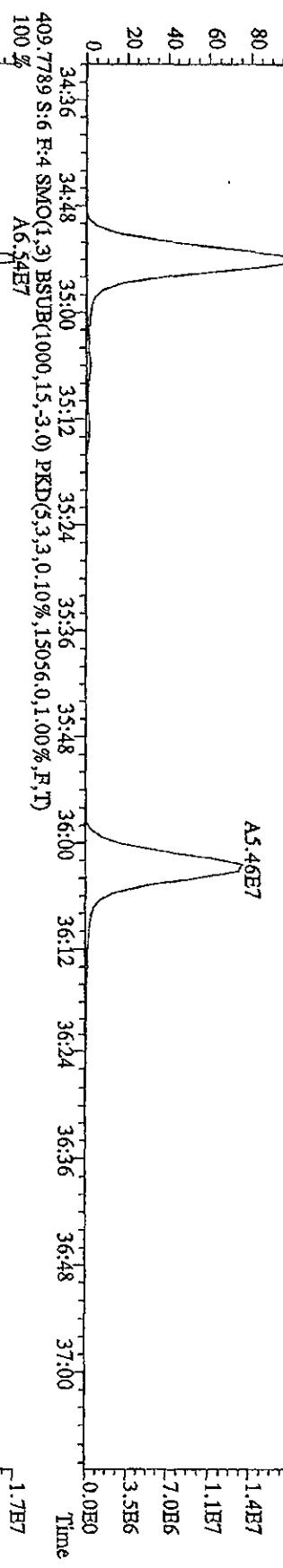
File:21JL10A4D5 #1-286 Acq:21-JUL-2010 18:18:56 GC HI+ Voltage SIR Autospec-UltimaR
 Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DI0XNRBS
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12848,0,1,00%,F,T)



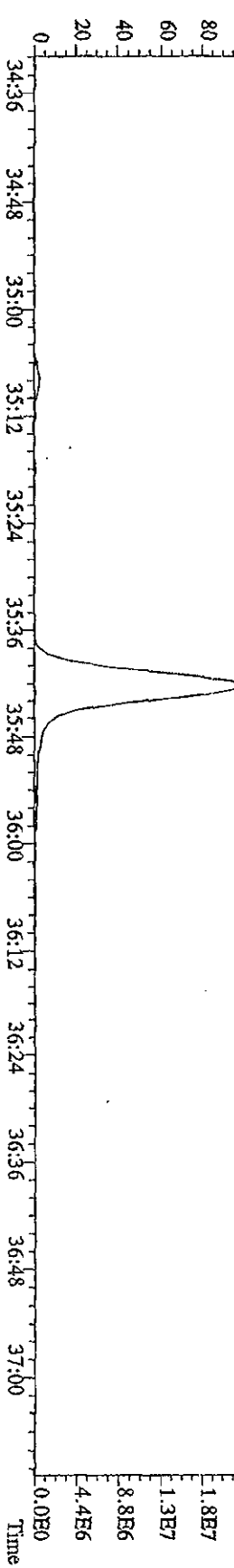
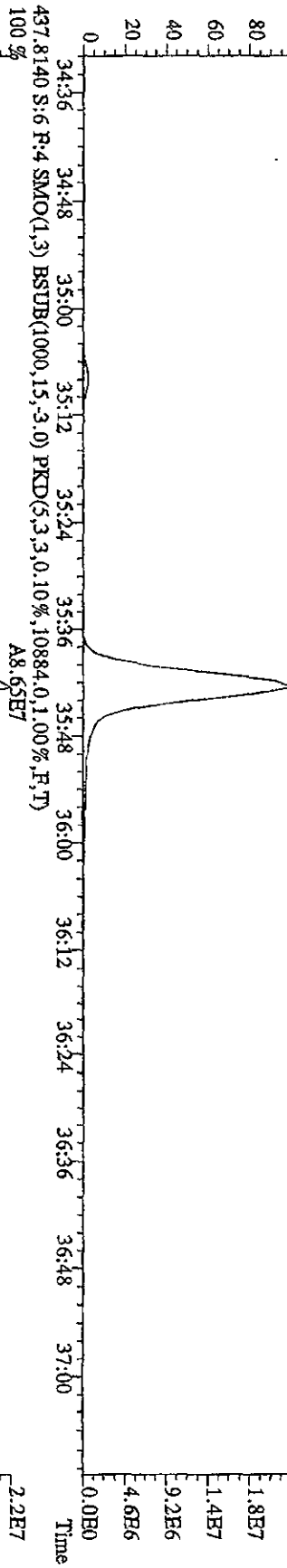
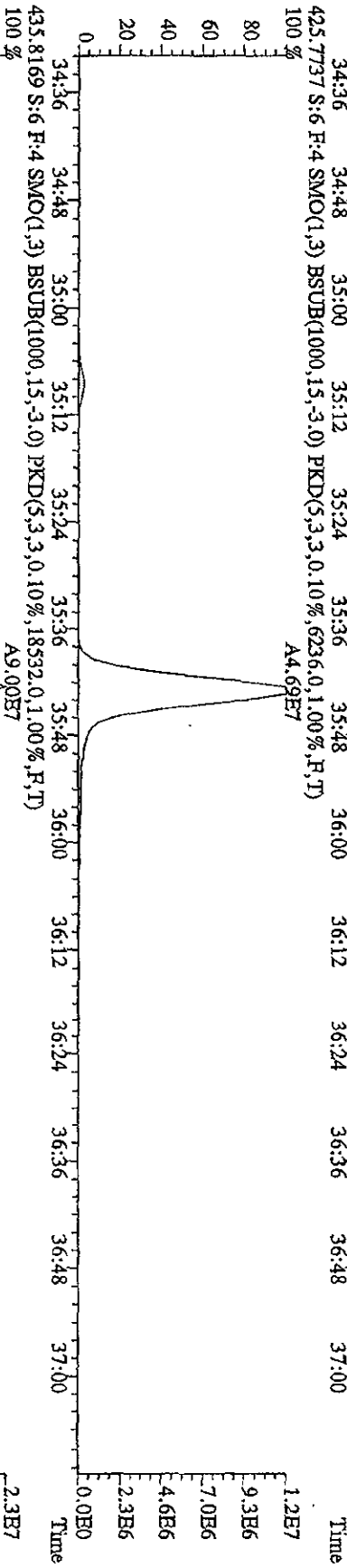
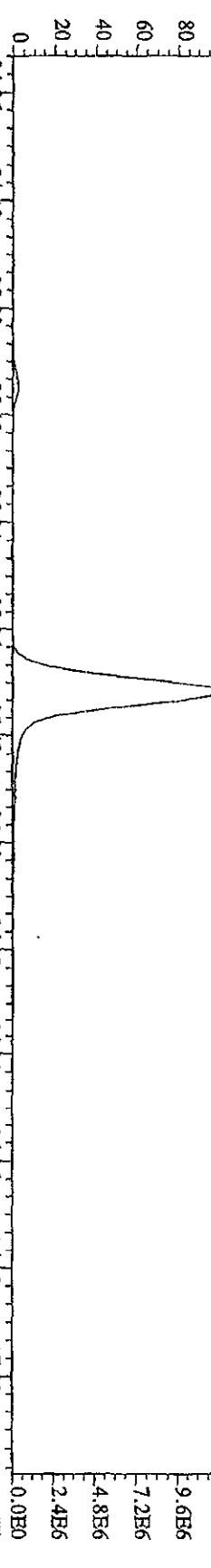
File:211L10A4D5 #1-286 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaH
 Sample#6 Text:ST0721C :CS-3 10DXN396 Exp:DIOXINRES
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1980.0,1.00%,F,T)



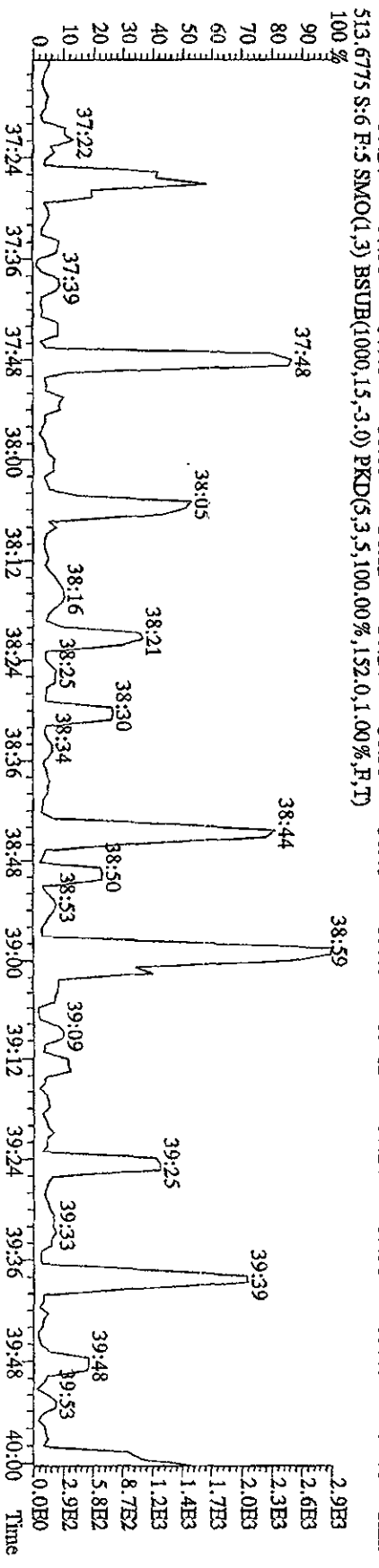
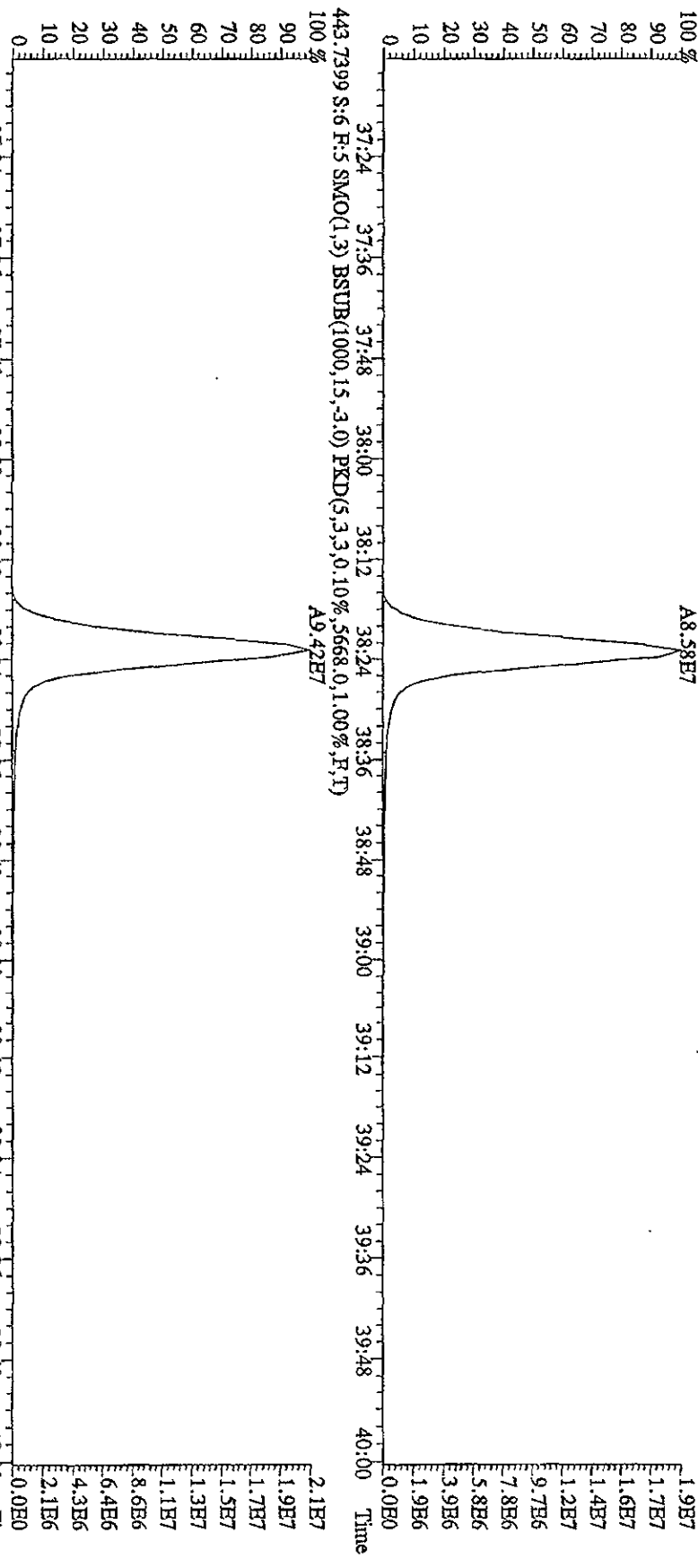
File:211L10A4D5 #1-201 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage:51V Autospec-UltraE
 Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRES
 407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10844,0.1,00%,F,T)
 100%



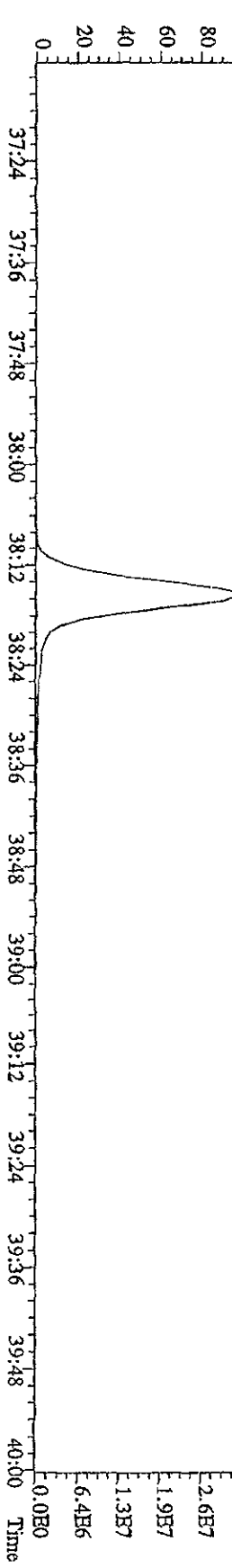
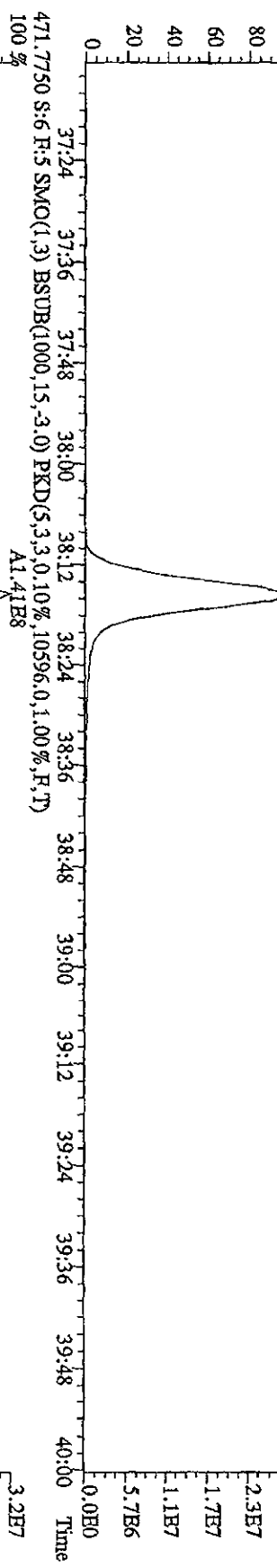
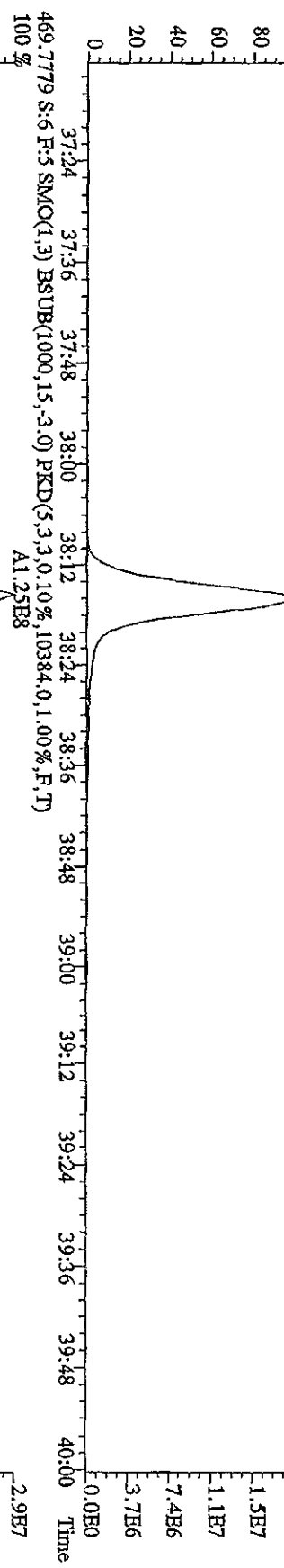
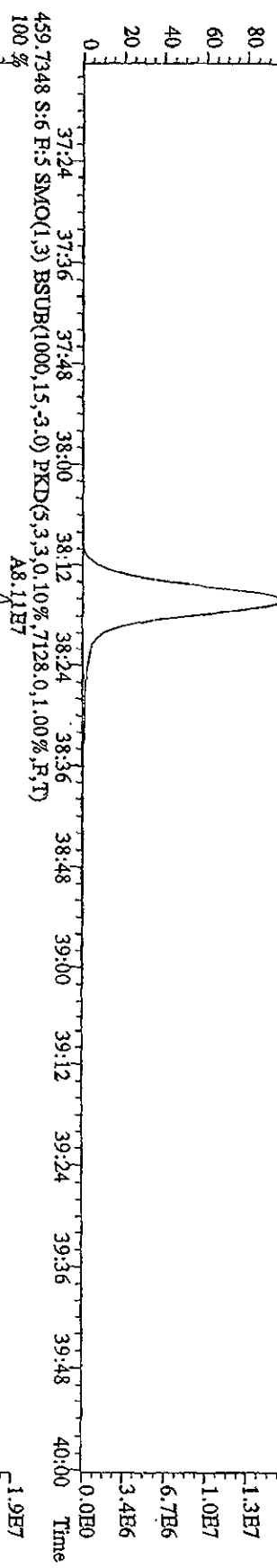
File: 21JL10A4D5 #1-201 Acq: 21-JUL-2010 18:18:56 GC FI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text: ST0721C :CS-3 10DXN336 Exp: DIOXINRES
 423.7736 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7856,0.1,00%,F,T)
 100%



File: 21JUL10A4D5 #1-227 Acq: 21-JUL-2010 18:18:56 GC HF+ Voltage 51K Autospec-Ultimate
 Sample#6 Text: ST0721C :CS-3 10DXN336 Exp: DIOXINRES
 441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3800,0,1.00%,F,T)
 100% A8.58E7



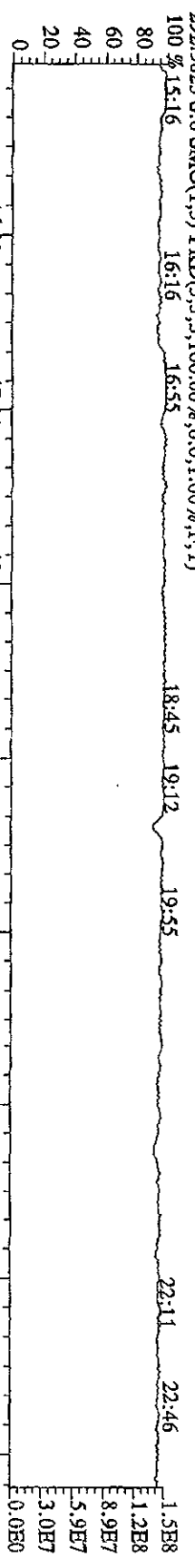
File:21JUL10A44D5 #1-227 Acq:21-JUL-2010 18:18:56 GC FI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text:ST0721C :CS-3 10DXN336 Exp:DIOXINRBS
 457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3472.0,1.00%,F,T)
 100% A7.29B7



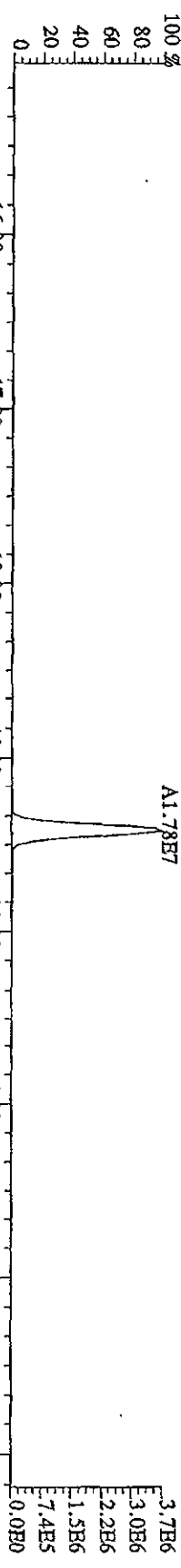
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UltimaE

Sample#6 Text: ST0721C : CS-3 10DXN336 Exp: DIOXINRES

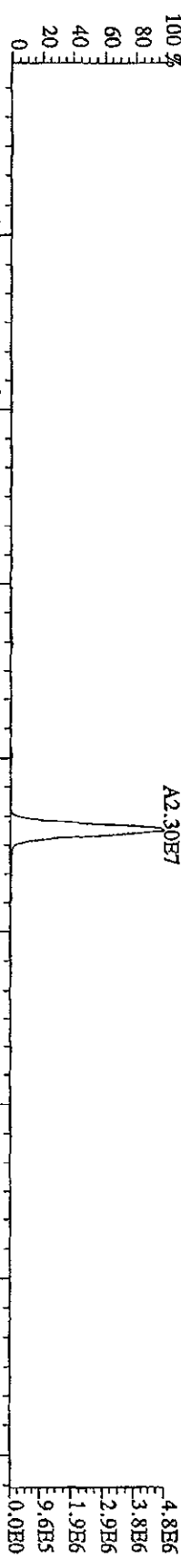
292.9825 S:6 SMO(1.3) PKD(5,3,5,100,00%,0.0,1.00%,F,T)



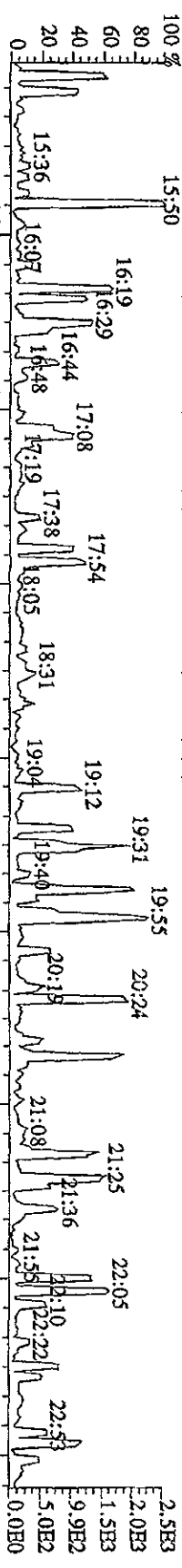
303.9016 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2384,0,1.00%,F,T)



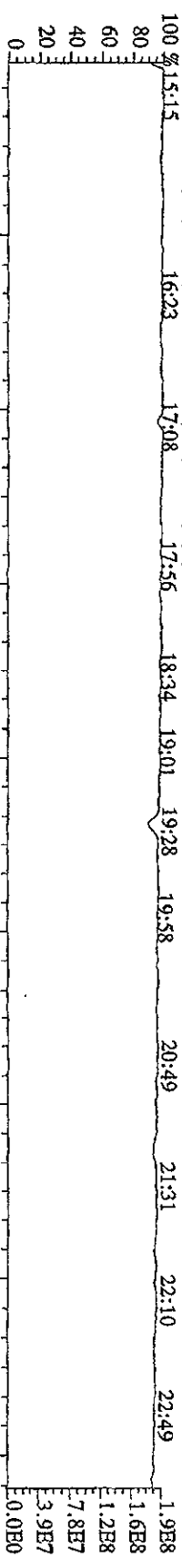
305.8987 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3528,0,1.00%,F,T)



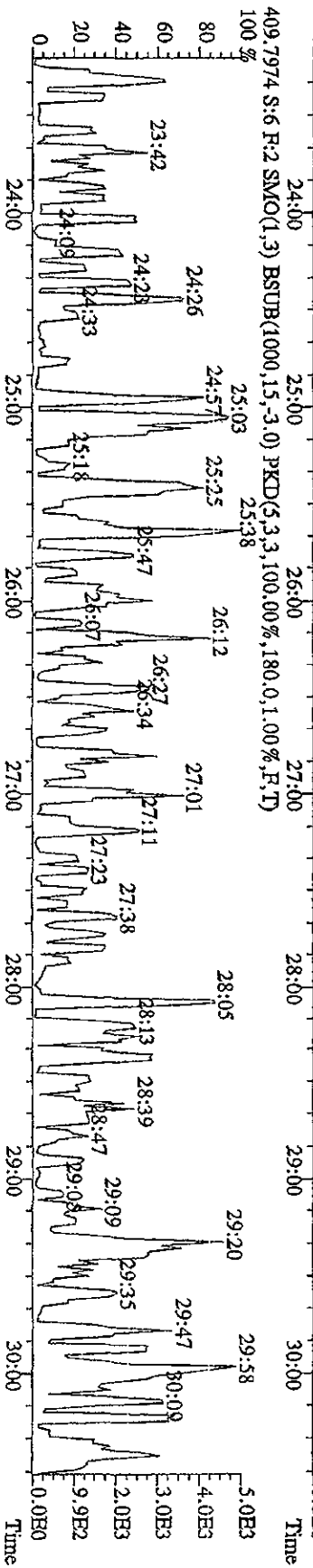
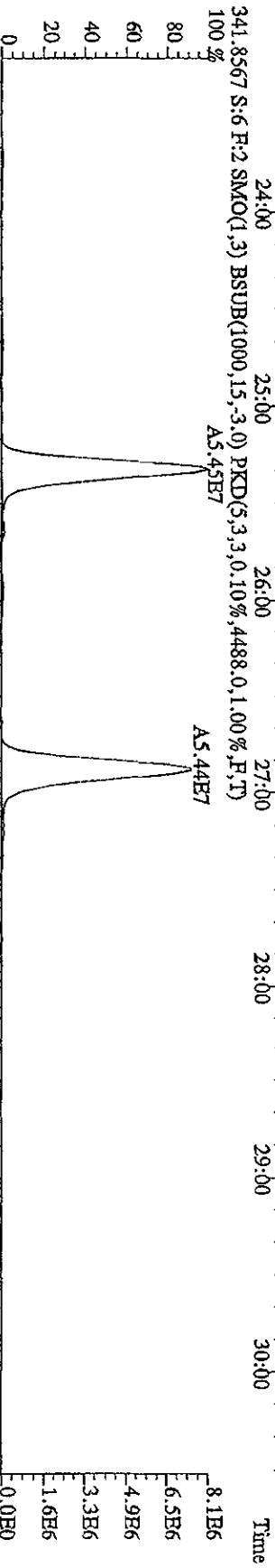
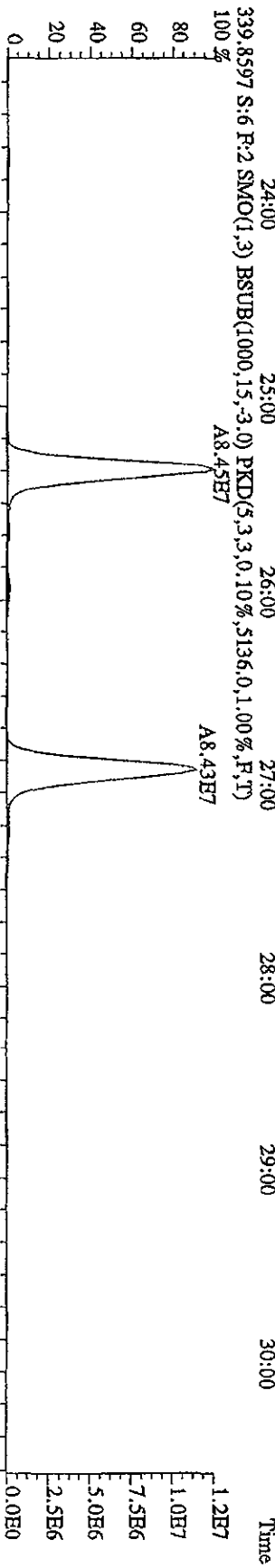
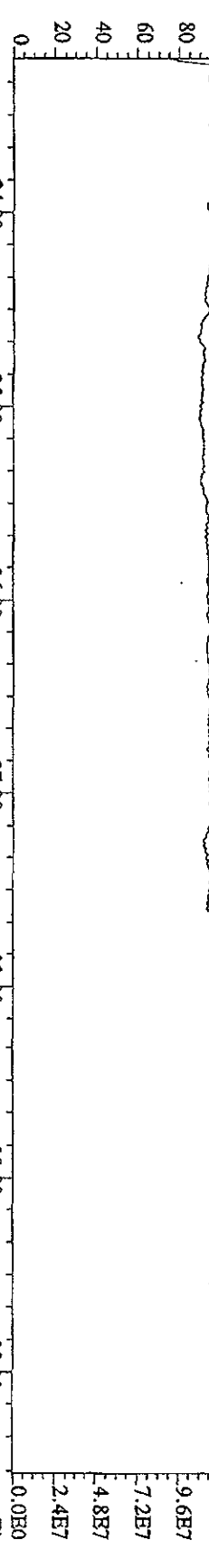
375.8364 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100,00%,172,0,1.00%,F,T)



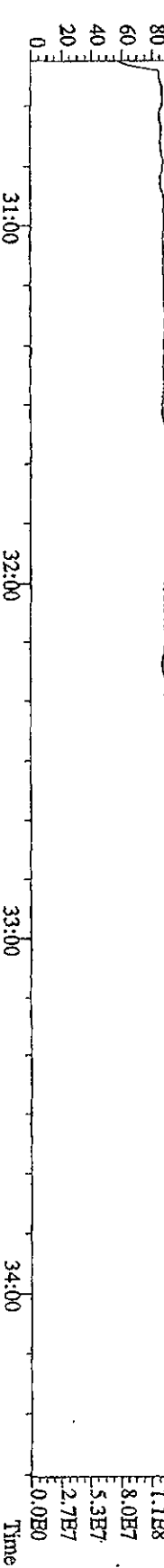
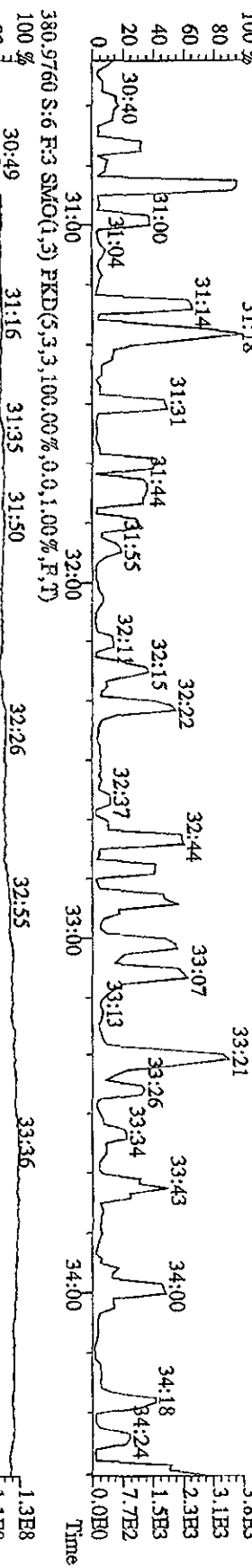
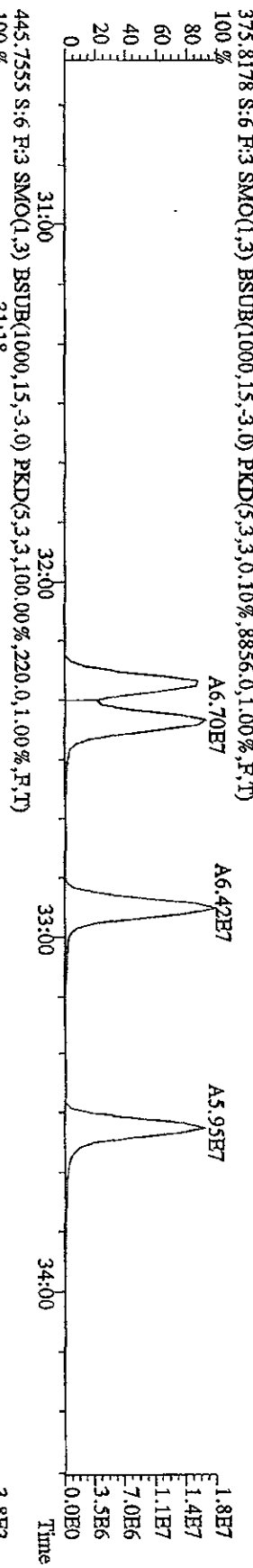
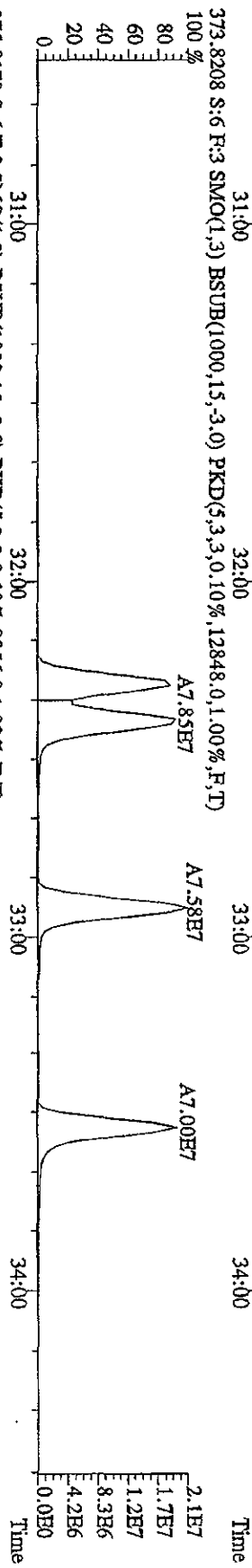
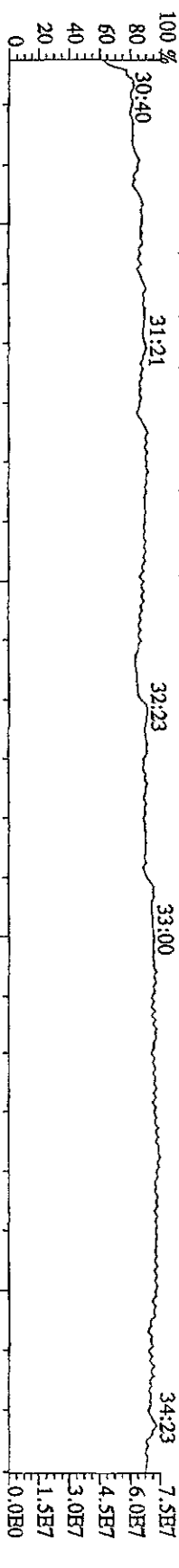
330.9792 S:6 SMO(1.3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)



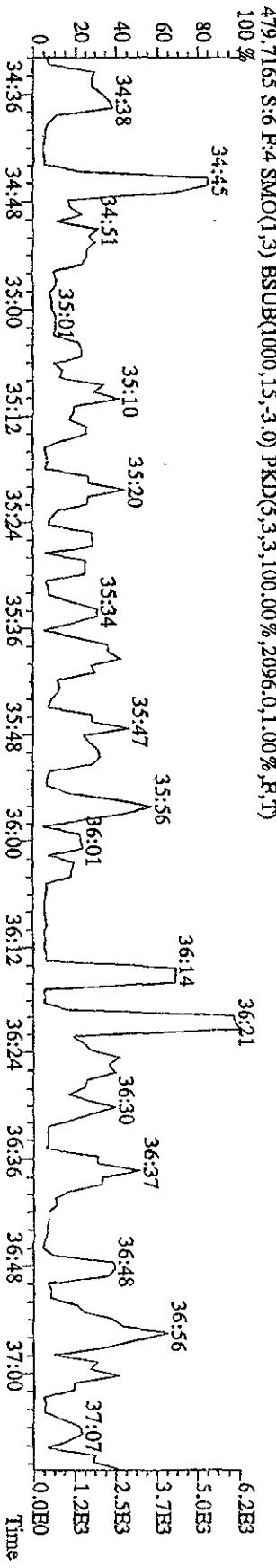
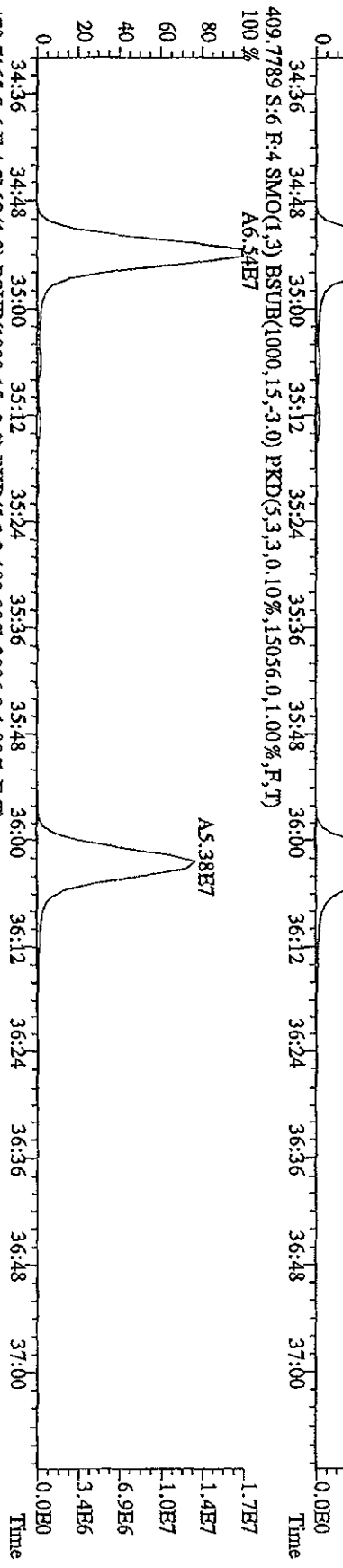
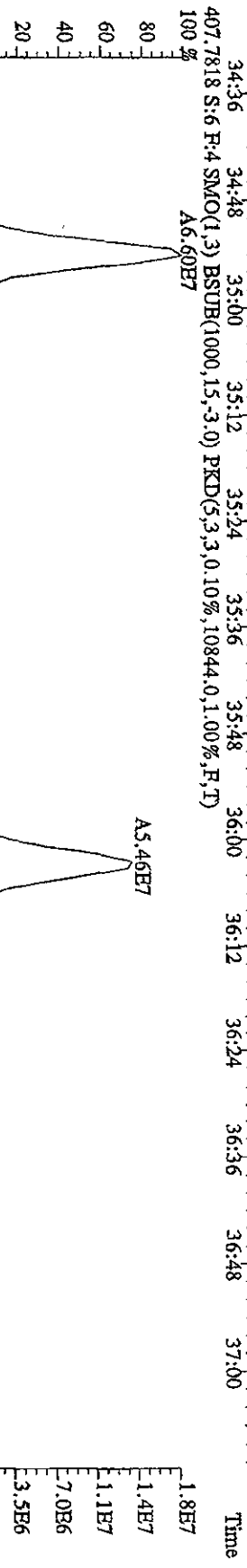
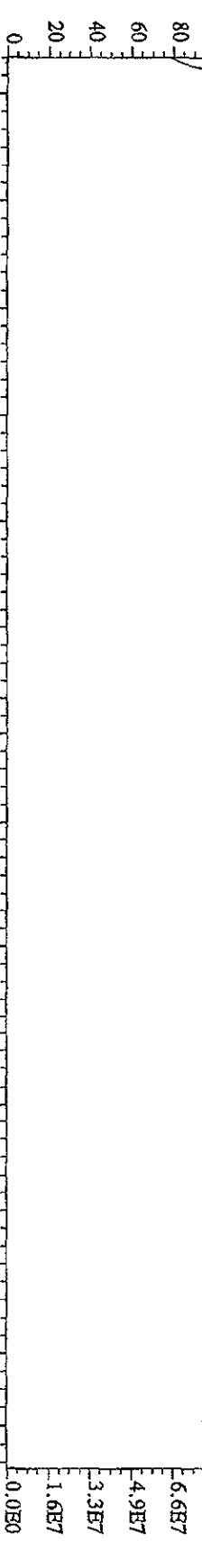
File: 21JUL10A4D5 #1-470 Acq: 21-JUL-2010 18:18:56 GC RI+ Voltage STR Autospec-UltimaB
 Sample#6 Text: ST0721C :CS-3 10DXN336 Exp: DIOXINRES
 342.979% S:6 R:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 23:37 24:07 24:30 26:24 27:53 29:13 30:29



File: 21JUL10A4D5 #1-286 Acq: 21-JUL-2010 18:18:56 GC RI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text: ST0721C :CS-3 10DXN336 Exp: DIOXINRES
 392.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 392.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

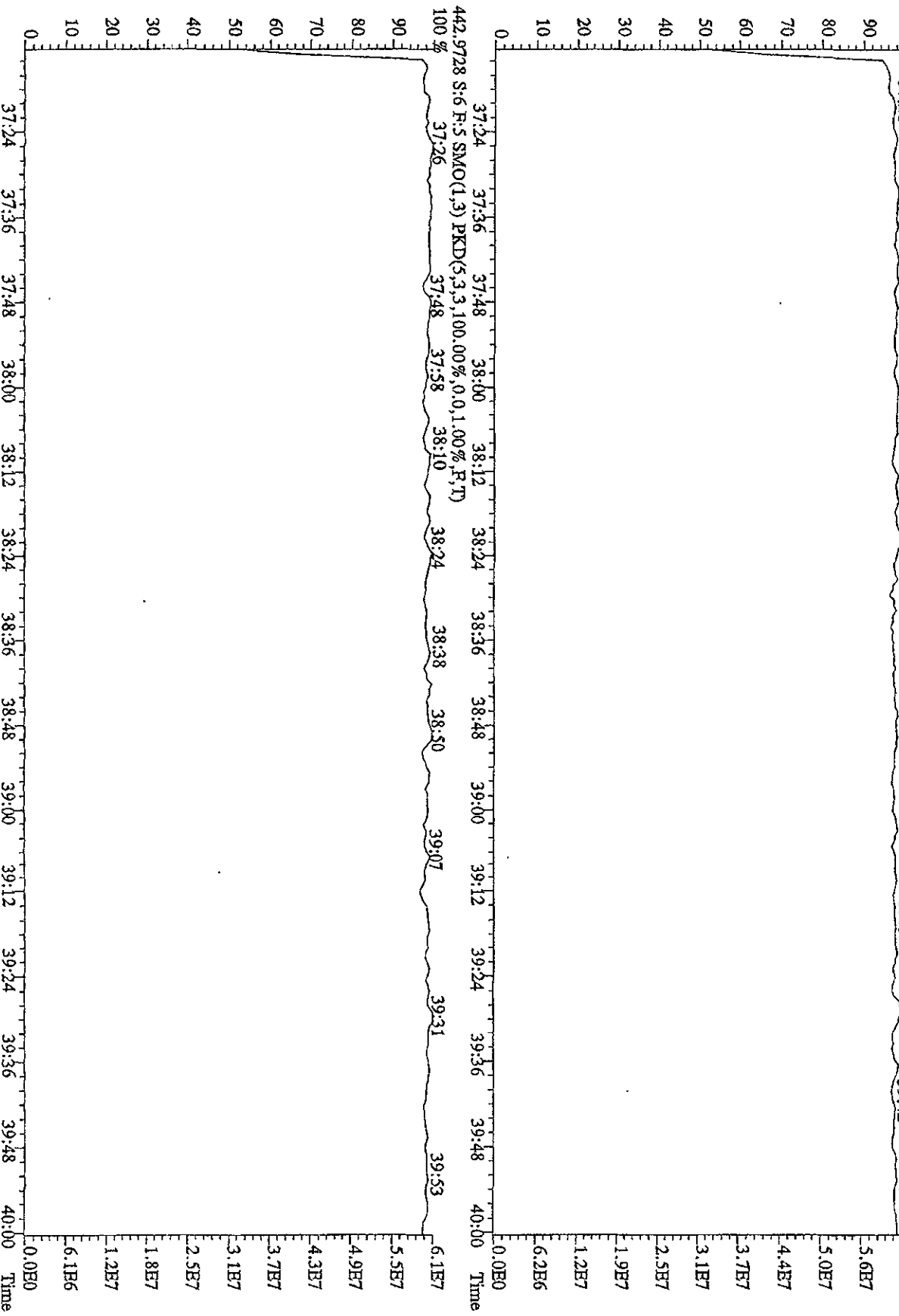


File:211110A4D5 #1-201 Acq:21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text:ST0721C :CS-3 10DXN336 Exp.:DIOXINRES
 430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 434.34 34:45 35:01 35:24 35:45 35:58 36:32 36:41 36:52



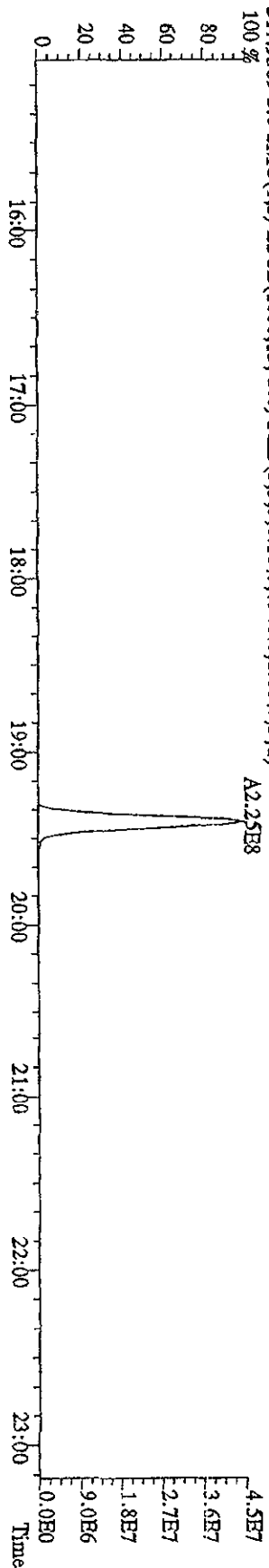
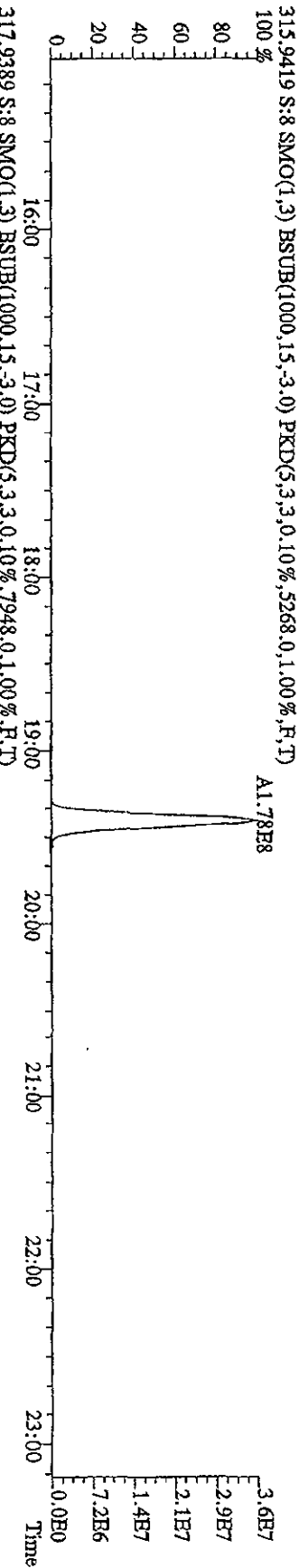
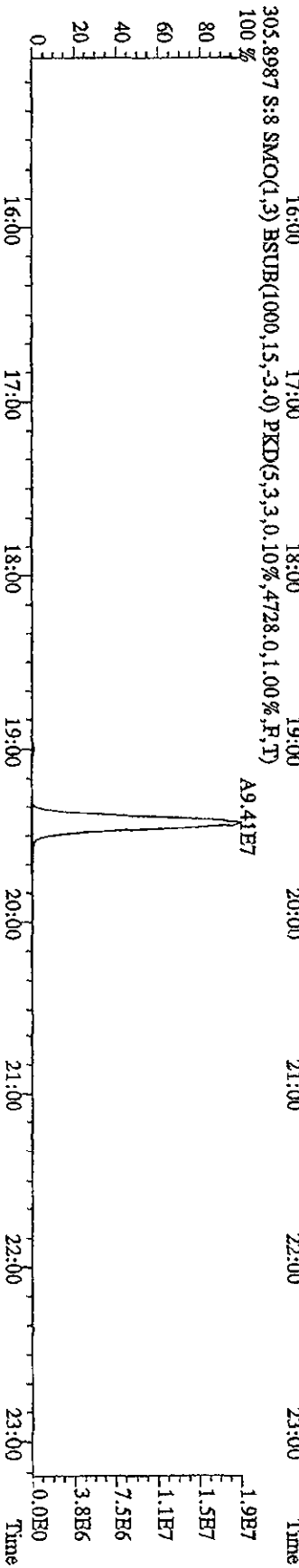
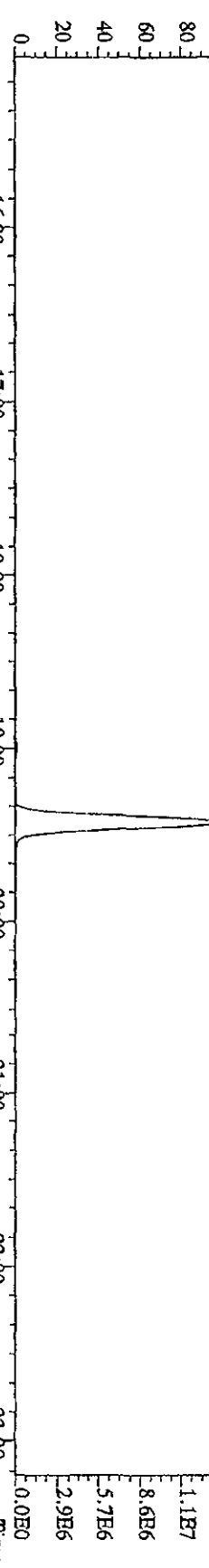
File: 21JUL10A4D5 #1-227 Acq: 21-JUL-2010 18:18:56 GC EI+ Voltage SIR Autospec-UtimaE
 Sample#6 Text: ST0721C :CS-3 10DXN336 Exp: DIOXINRES

454.9728 S:6 F:5 SMO(1.3) PKD(5,3,3,100.00% 0.0,1.00% F,T)

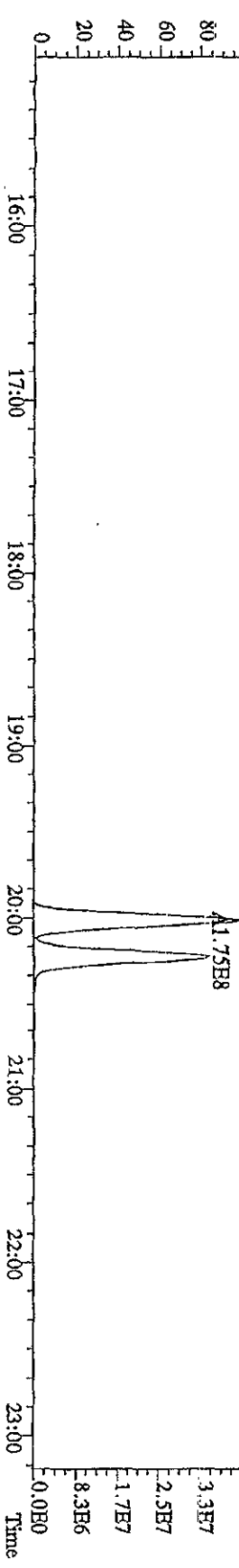
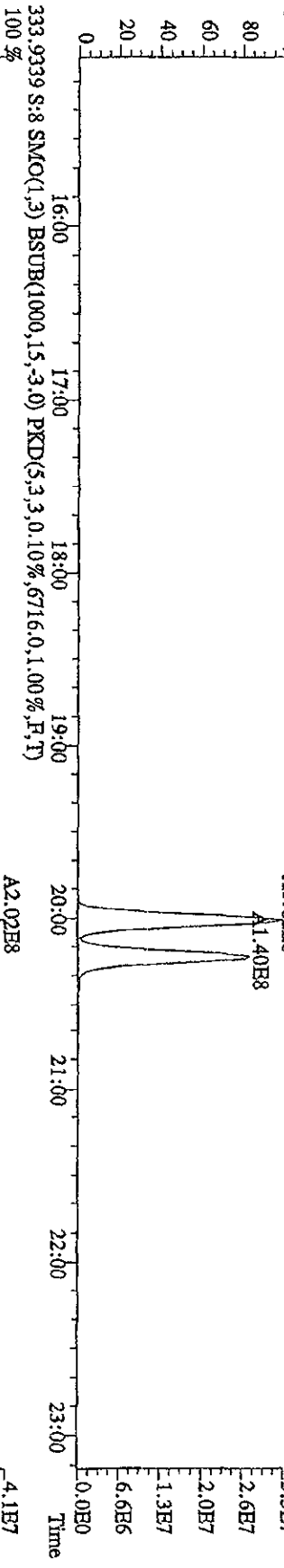
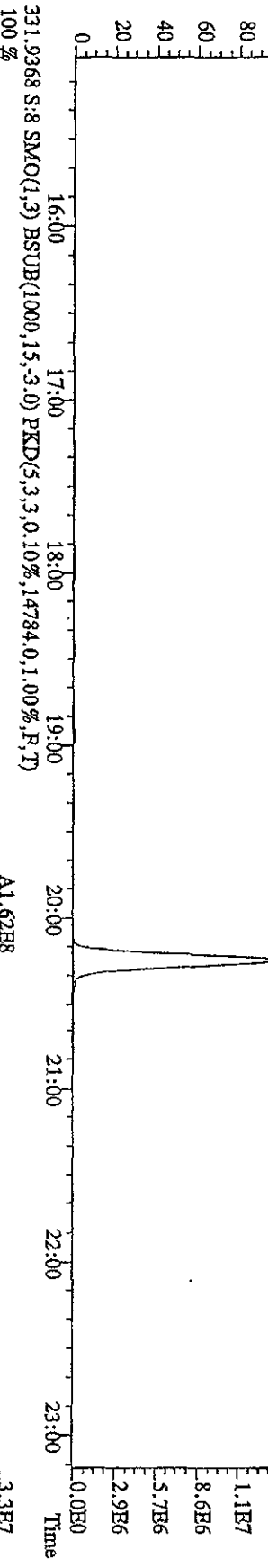
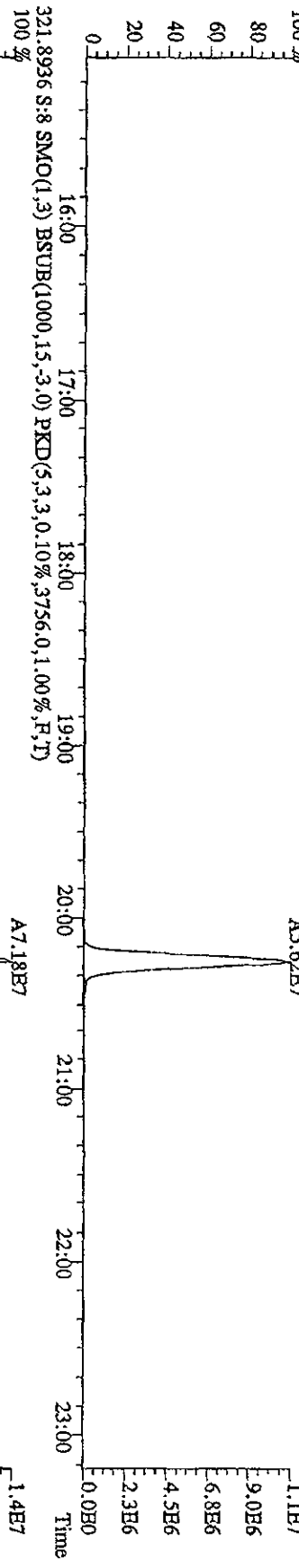


File:21JT10A4D5 #1-541 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage 51V Autospec-Ultimate

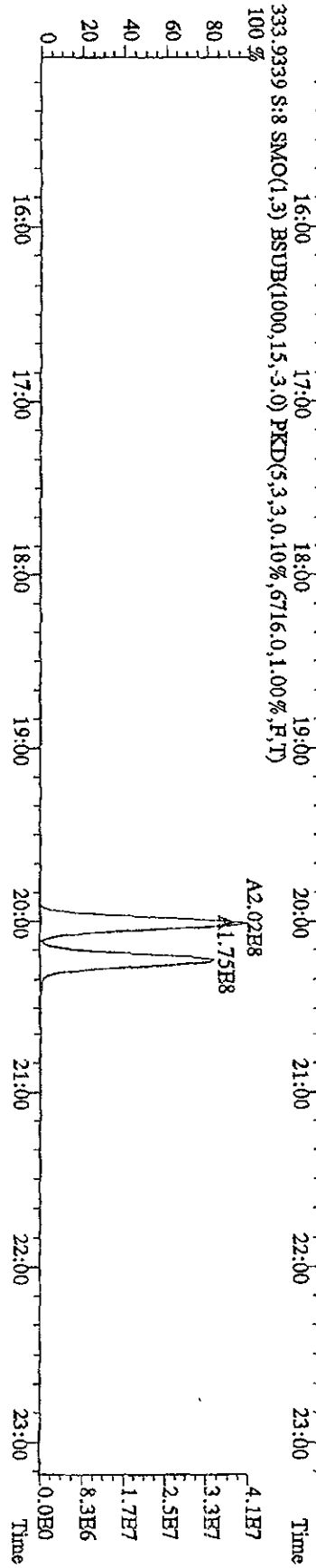
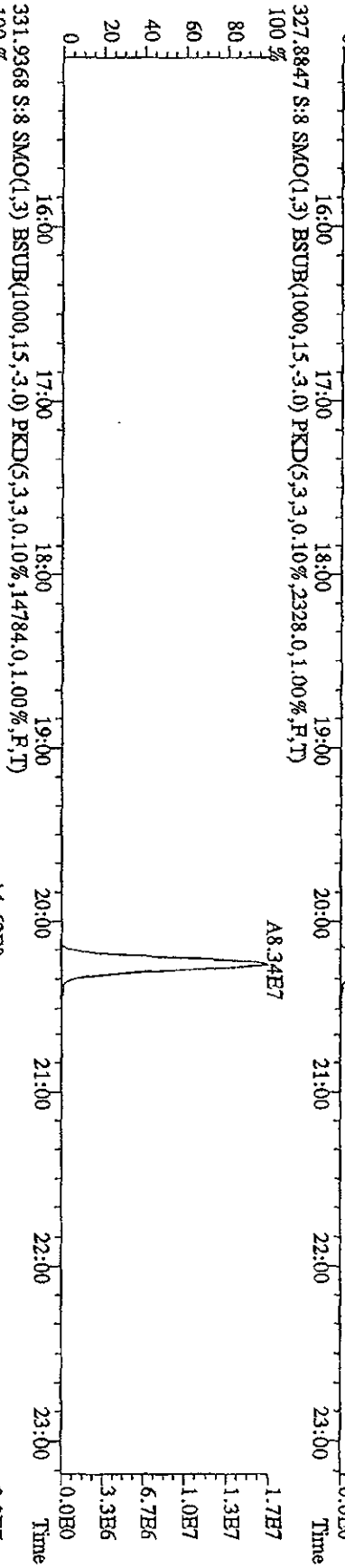
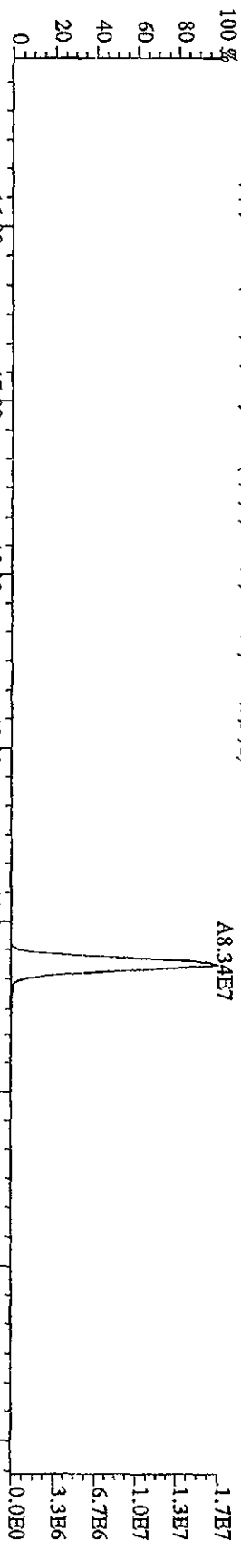
Sample#8 Text:ST0721E :CS-4 10DXN37 Exp:DIOXINRES



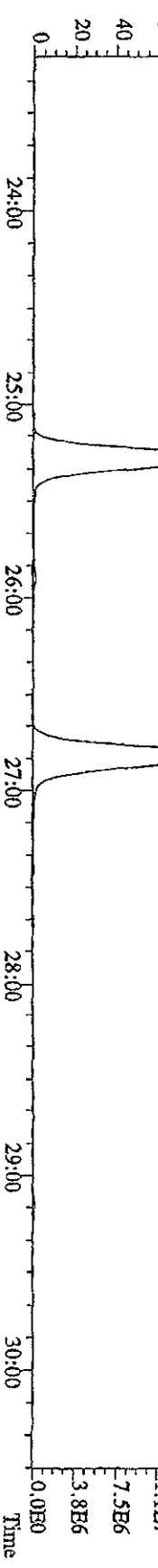
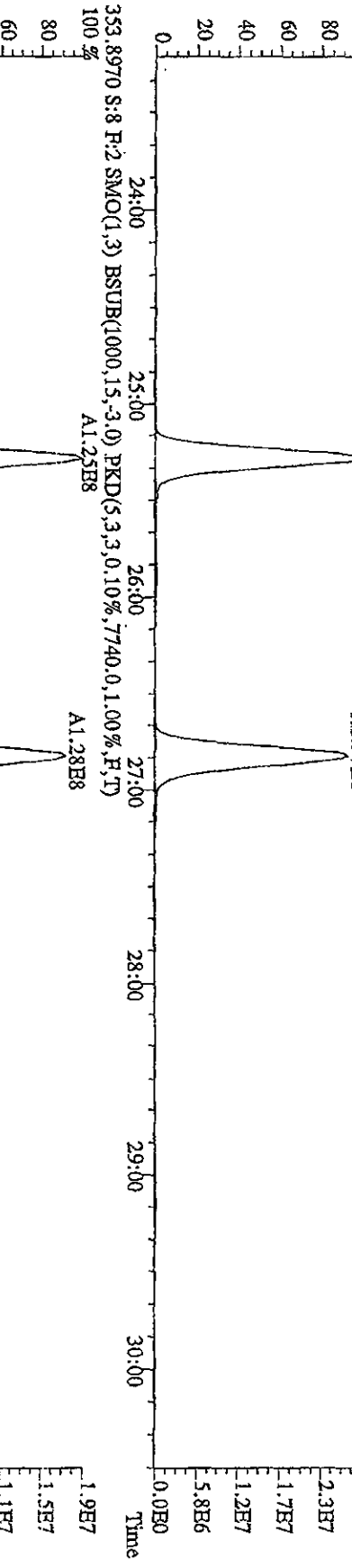
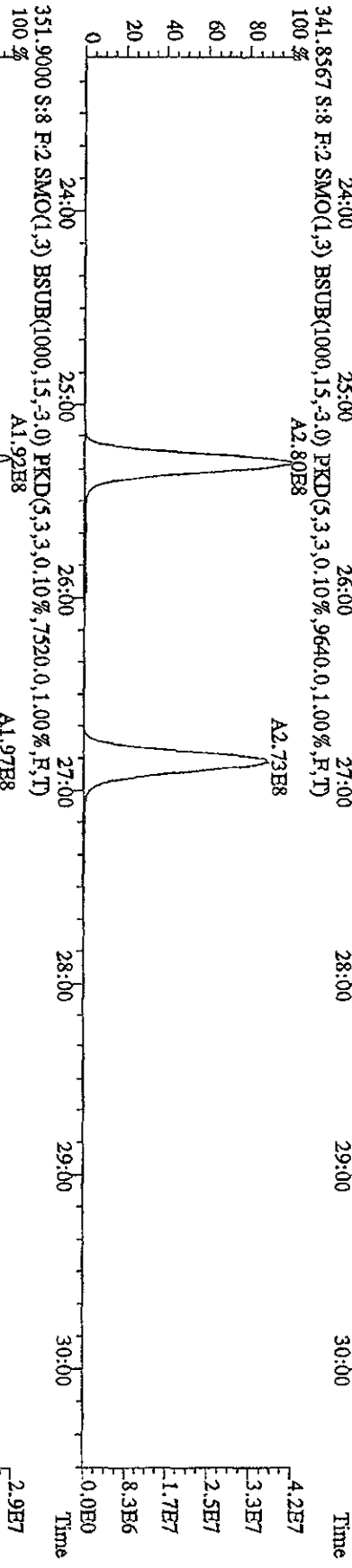
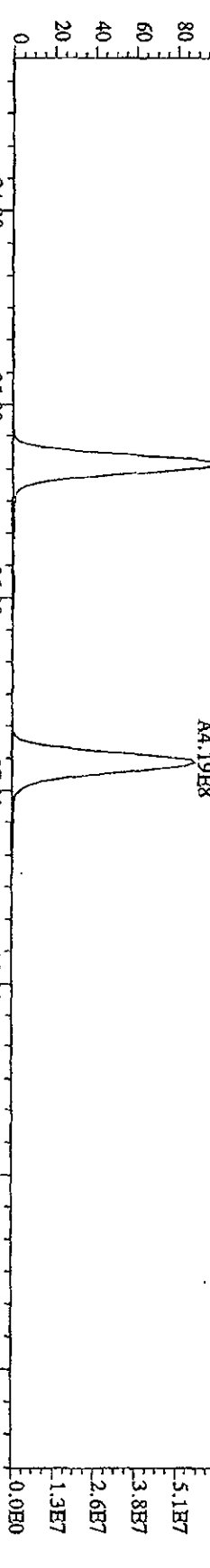
File:21IU10A4D5 #1-541 Acq:21-IUL-2010 19:49:00 GC EI+ Voltage STR Autospec-Ultimate
 Sample#8 Text:ST0721B :CS-4 10DXN337 Exp:DIOXINRES
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3940,0,1,00%,F,T)



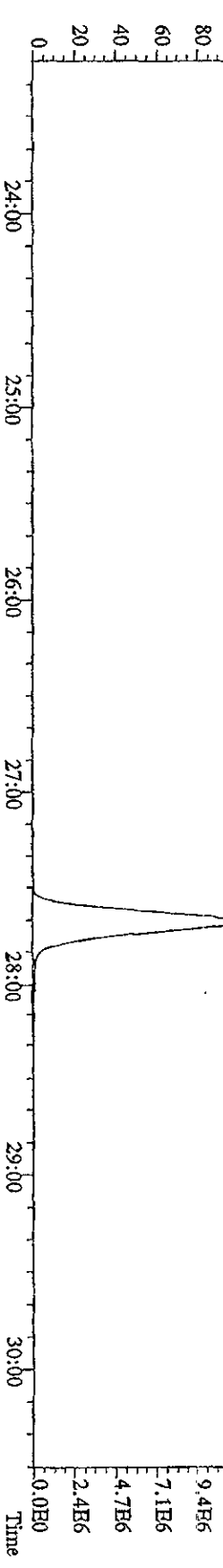
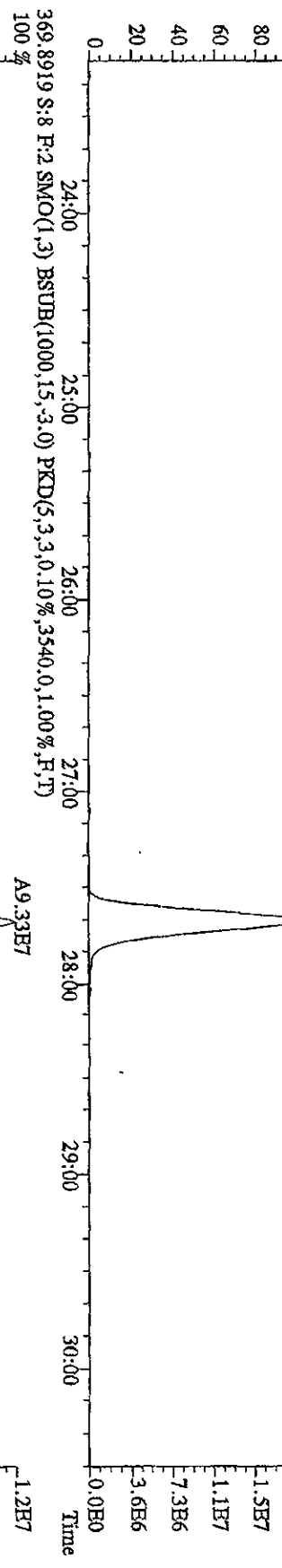
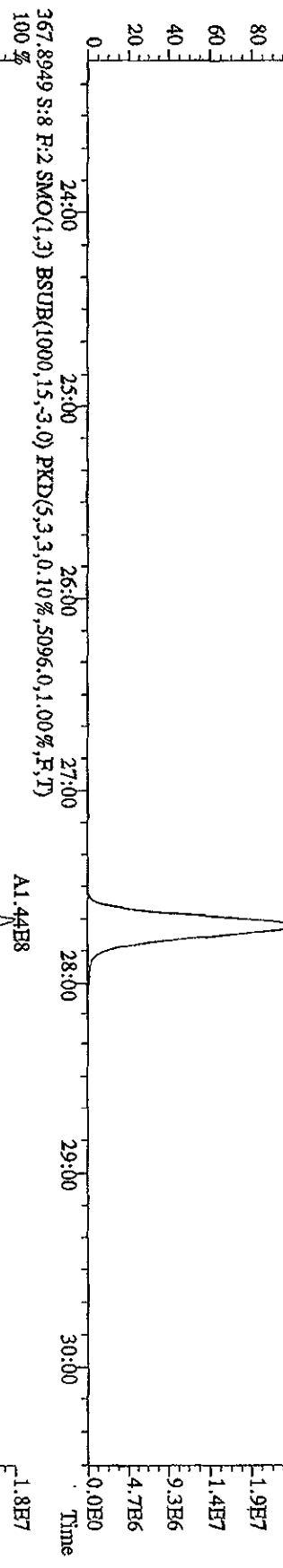
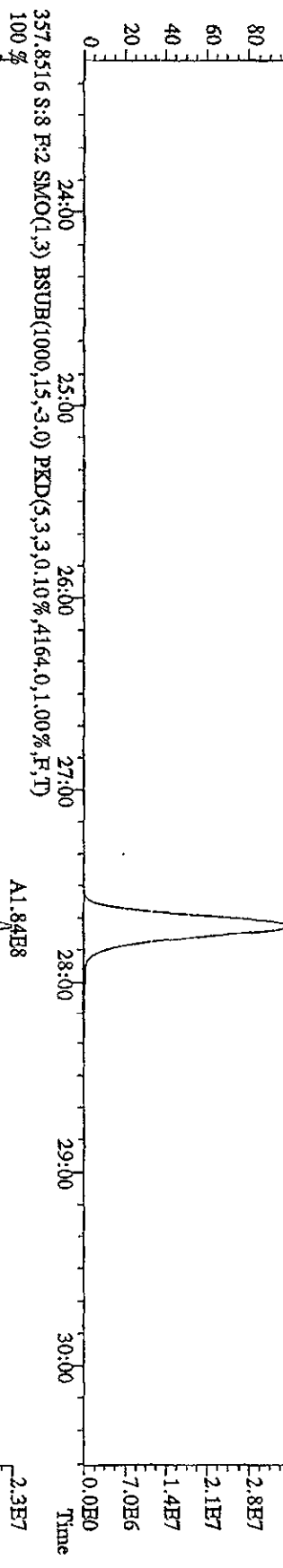
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 19:49:00 GC FI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text: ST0721E :CS-4 10DXN337 Exp: DIOXINRES
 327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKID(5,3,3,0.10%,2328.0,1.00%,F,T)



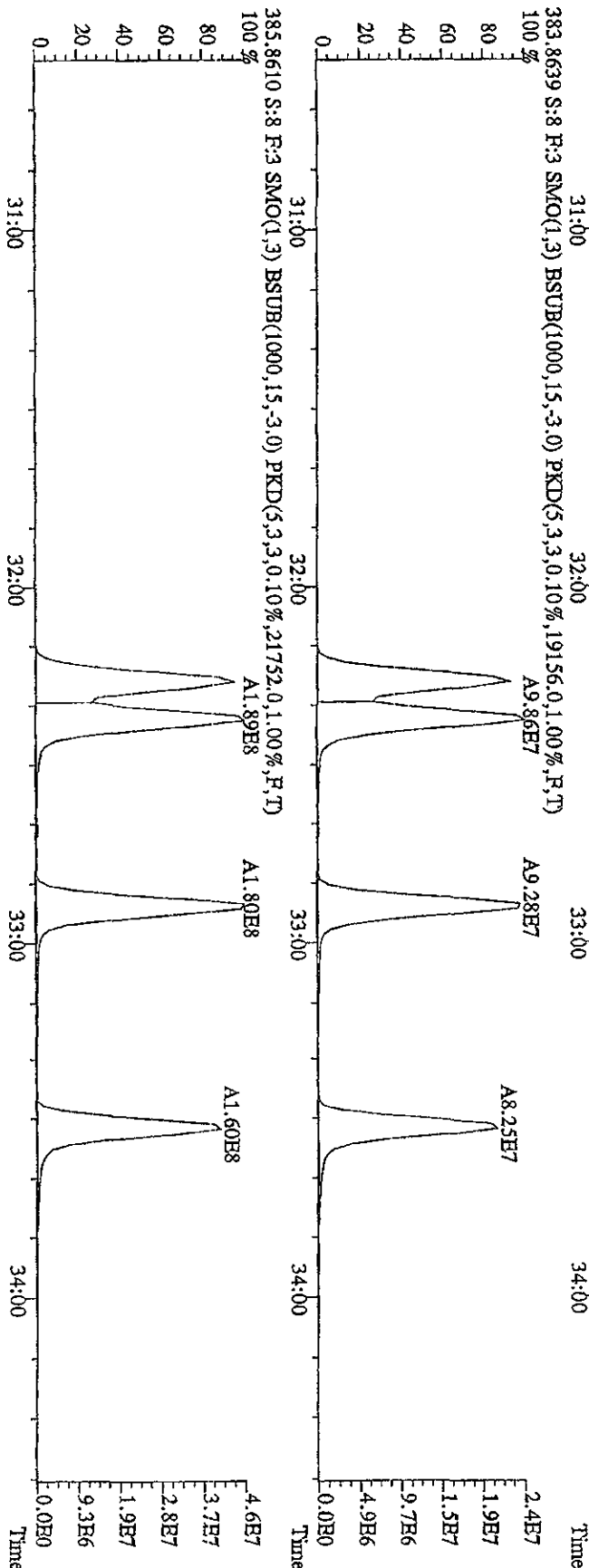
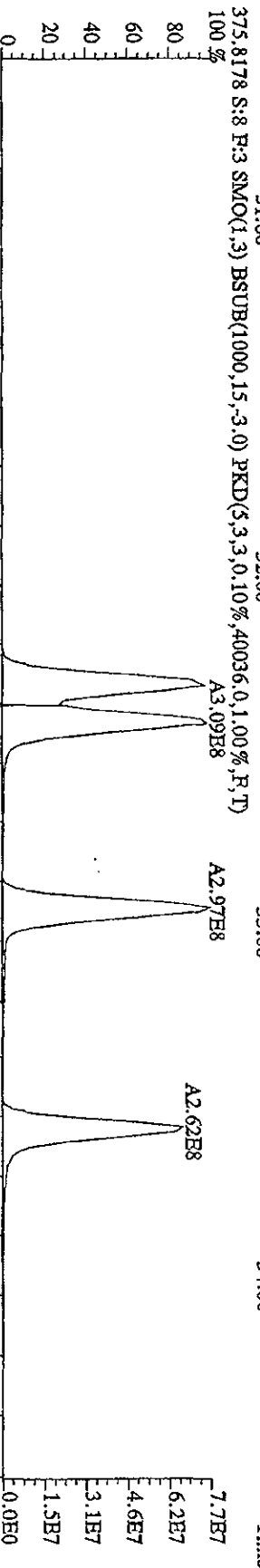
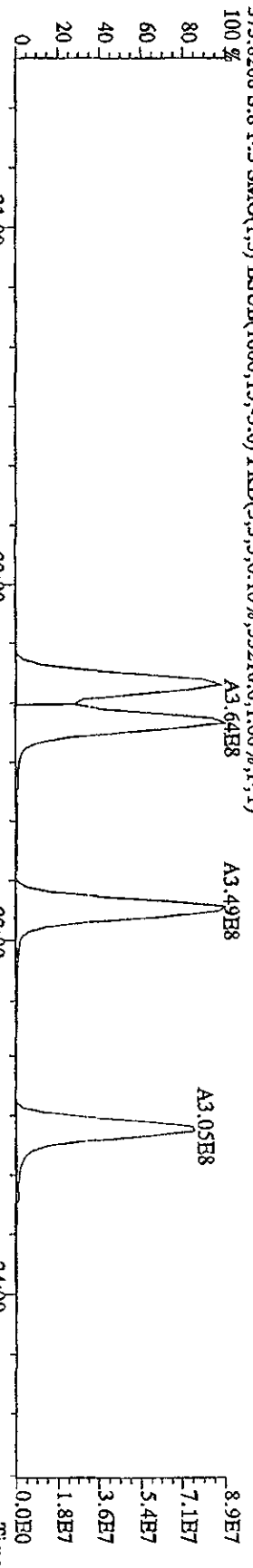
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:49:00 GC RI+ Voltage SIR Autospec-UltimaB
 Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES
 339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6412.0,1.00%,F,T)
 100 %



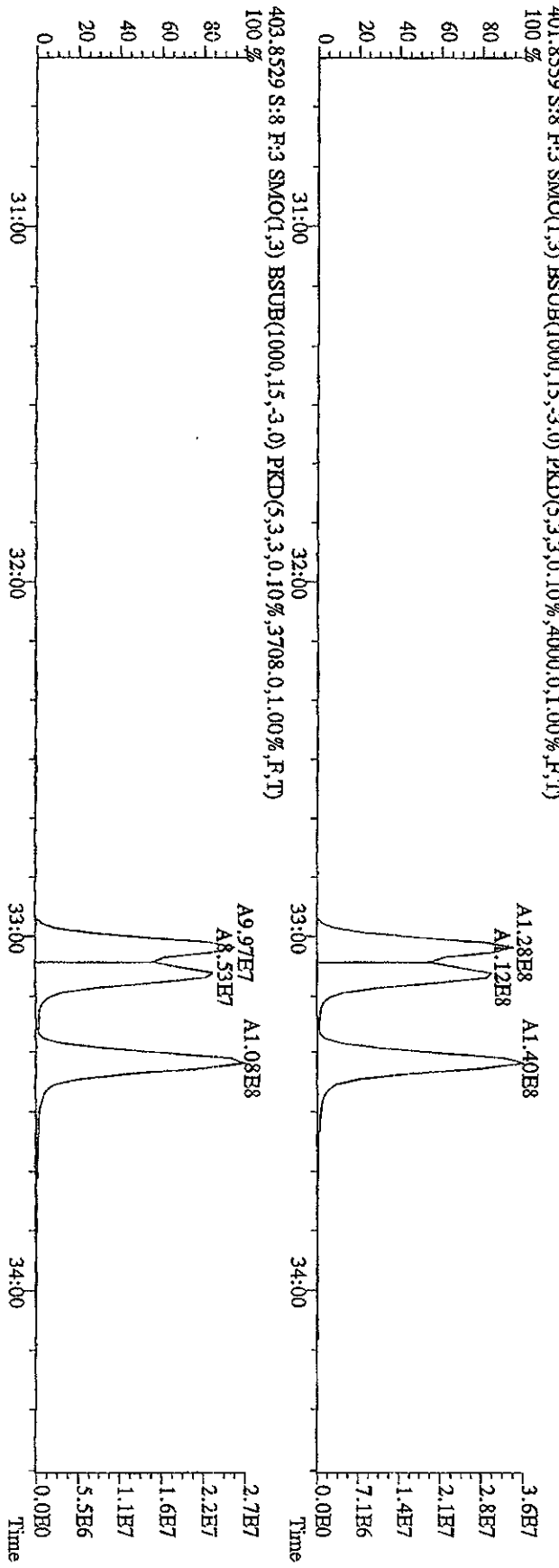
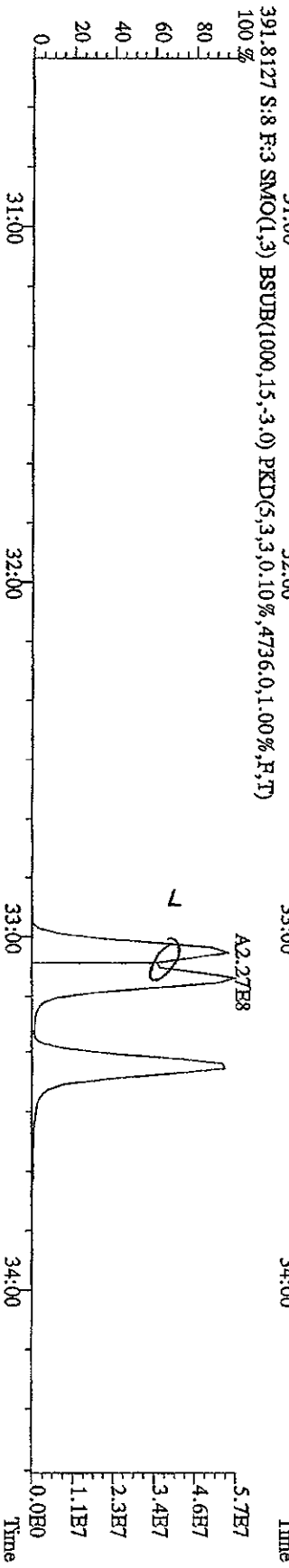
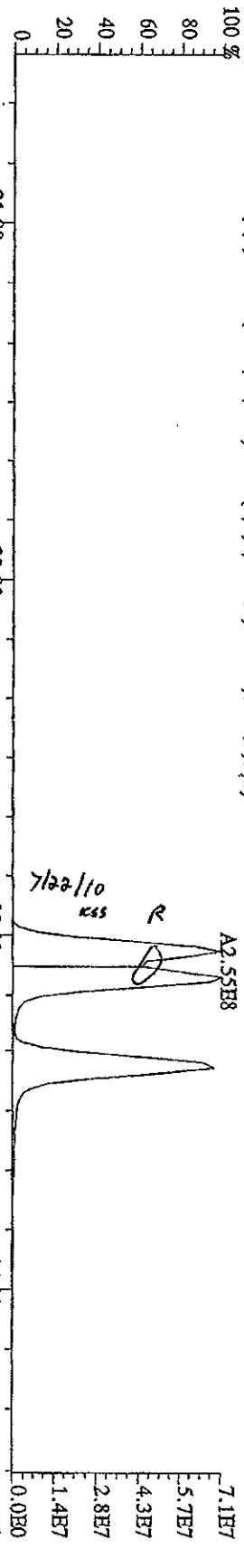
File: 21JUL10A4D5 #1-469 Acq: 21-JUL-2010 19:49:00 GC HF+ Voltage SIR Autospec-UtimateH
 Sample#8 Text: ST0721E : CS-4 10DXN37 Exp: DIOXINRES
 355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6468,0,1,00%,F,T) 100%



File: 21JUL10A4D5 #1-287 Acq: 21-JUL-2010 19:49:00 GC BI+ Voltage SIR Autospec-UltraR
 Sample#8 Text: ST0721E :CS-4 10DXN37 Exp: D10XINRBS

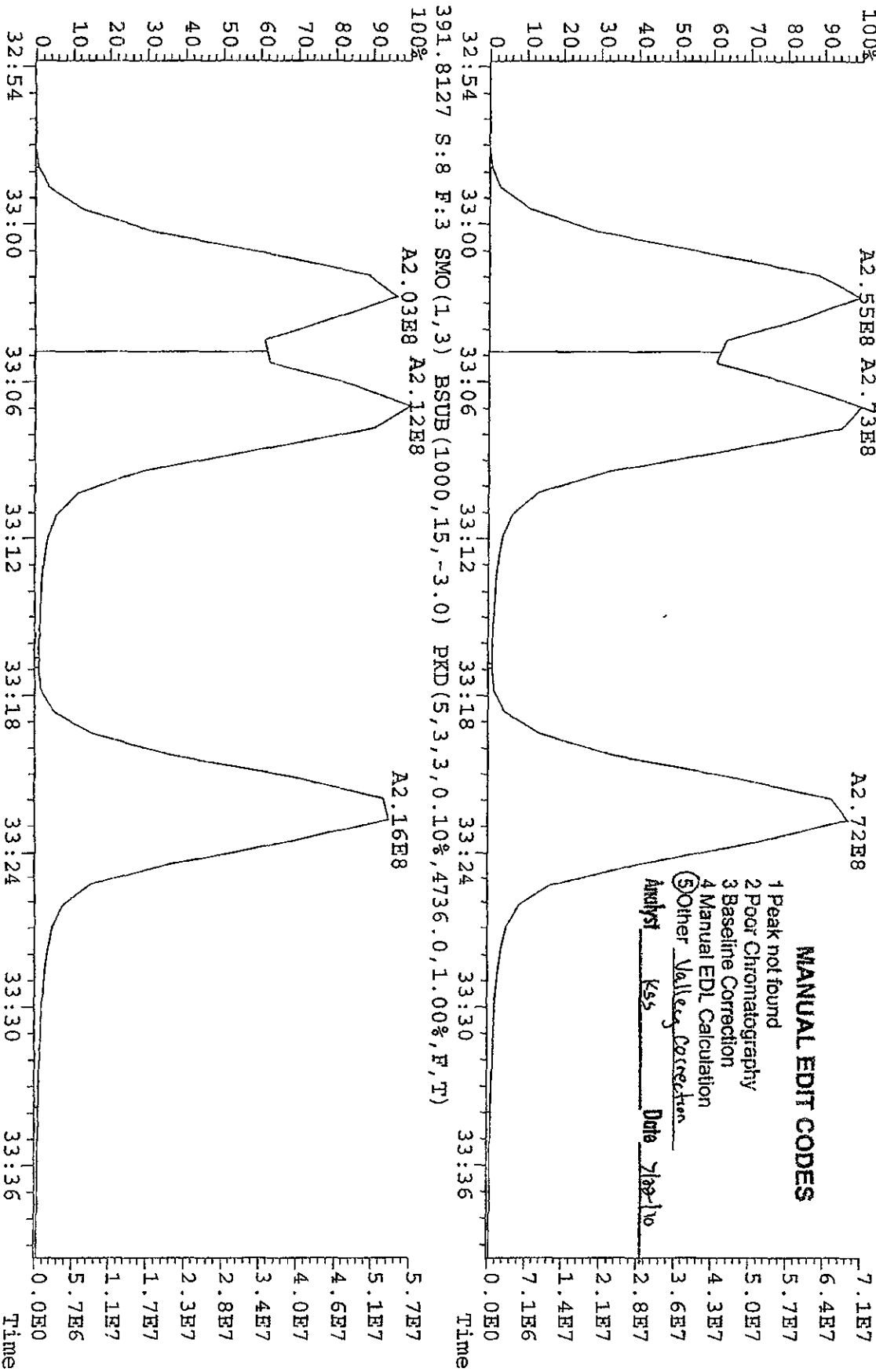


File: 21JL10A4D5 #1-287 Acq: 21-JUL-2010 19:49:00 GC: EI+ Voltage: SIR Autospec-UltraE
 Sample#8 Text: ST0721E :CS-4 10DXN37 Exp: DIOXINRES
 389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2644,0,1,00%,F,T)

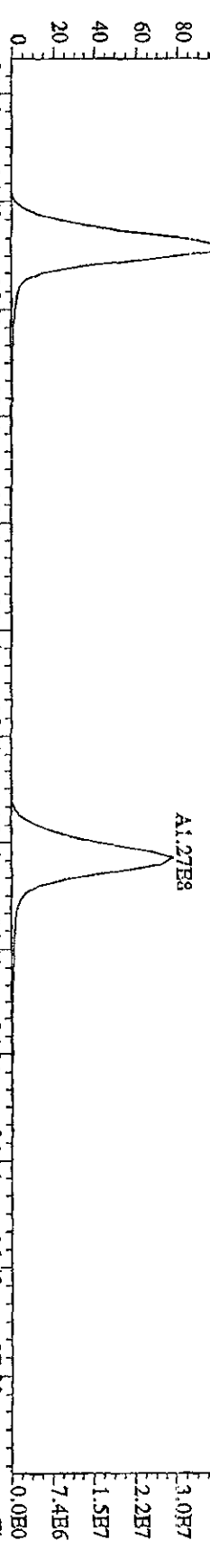
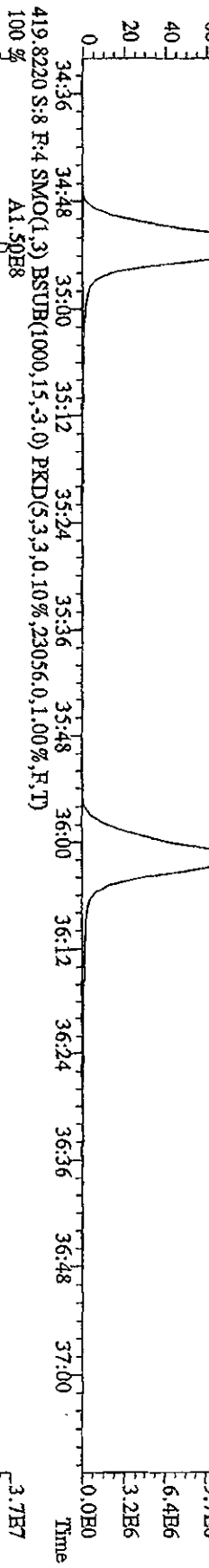
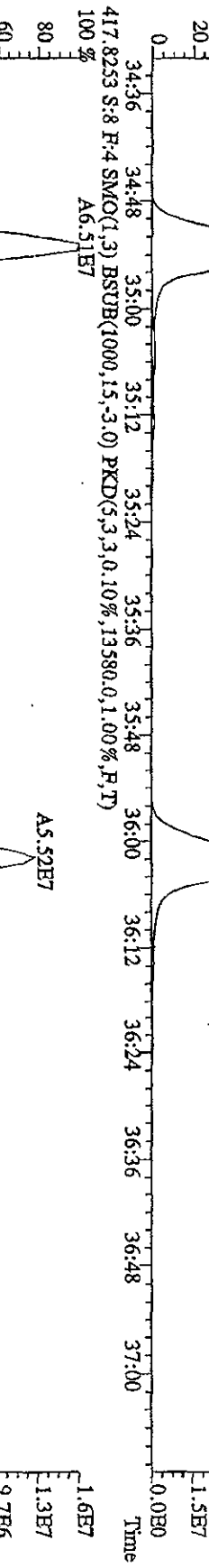
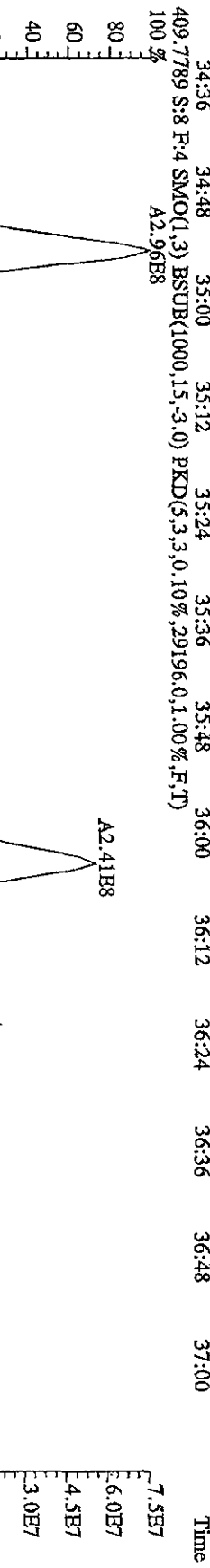
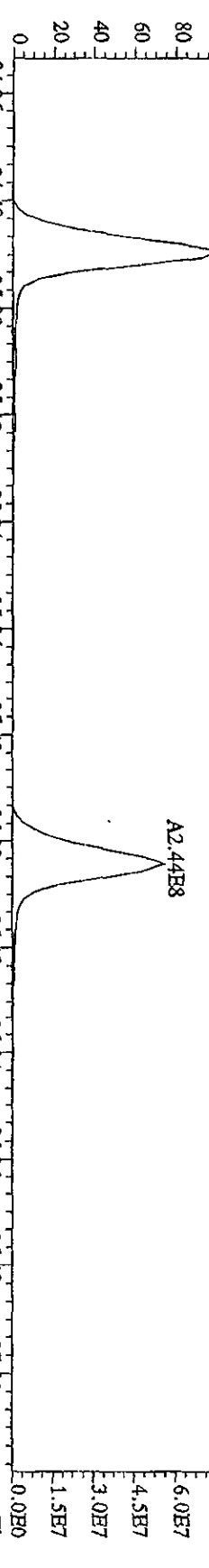


File: 21JUL10A4D5 #1-287 Acq: 21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 Text: ST0721E : CS-4 10DXN337 Exp: DIOXINRES
 389.8157 S: 8 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2644.0,1.00%,F,T)
 100%

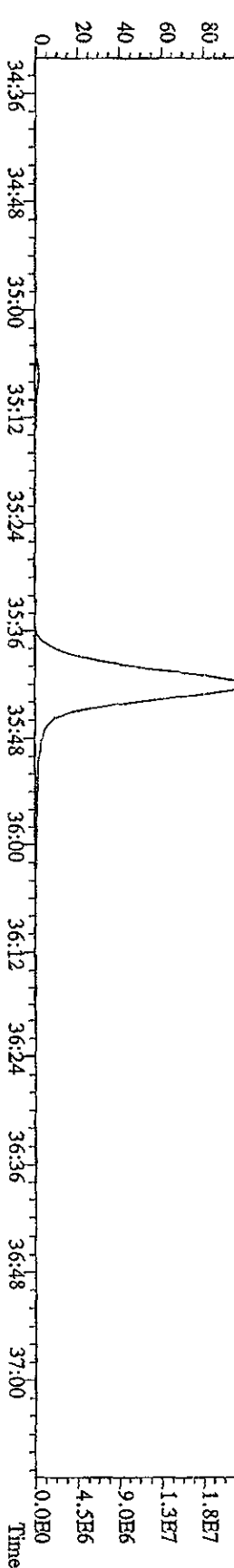
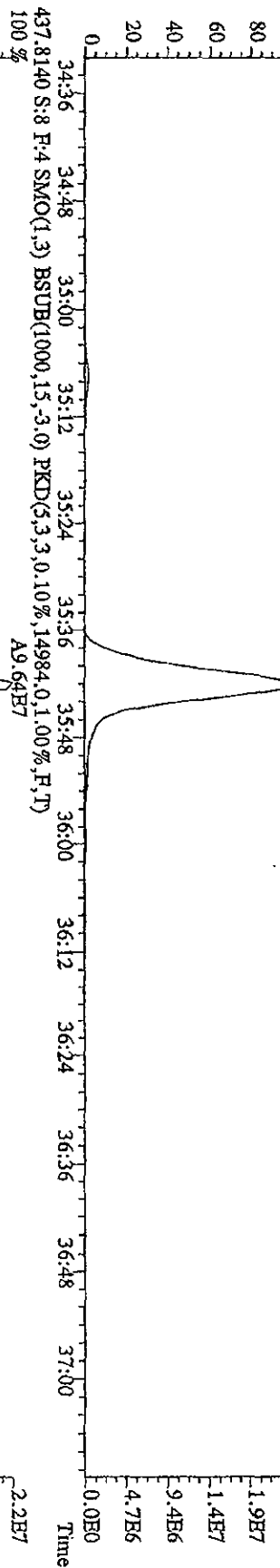
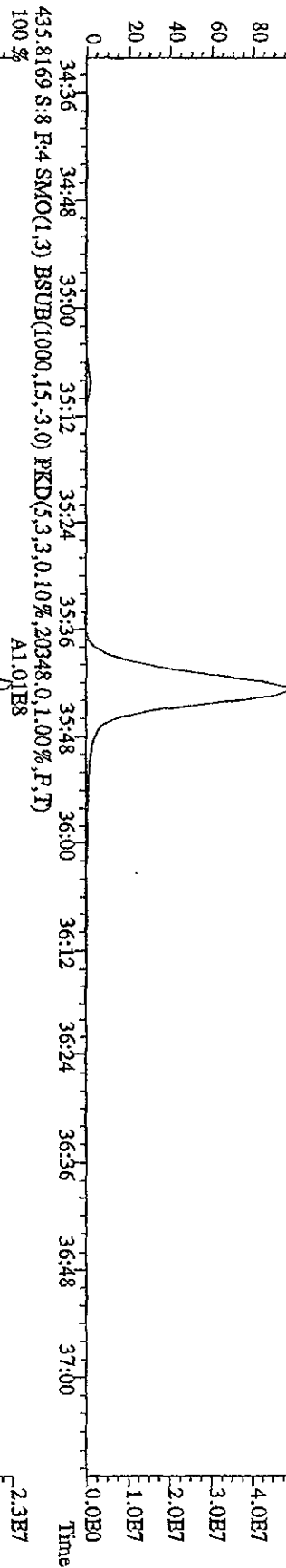
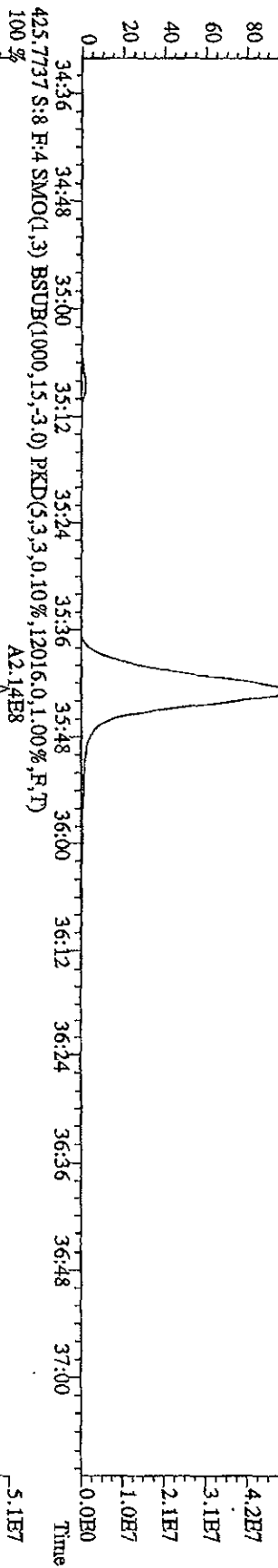
MANUAL EDIT CODES
 1 Peak not found
 2 Poor Chromatography
 3 Baseline Correction
 4 Manual EDL Calculation
 5 Other Valley Correction
 Analyst Kss Date 7/22/10



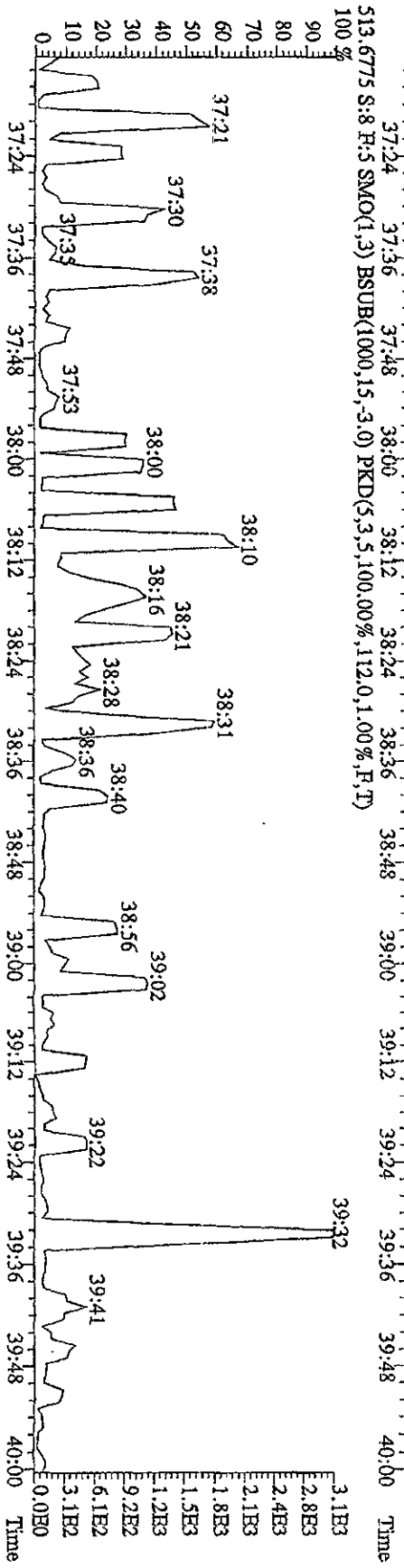
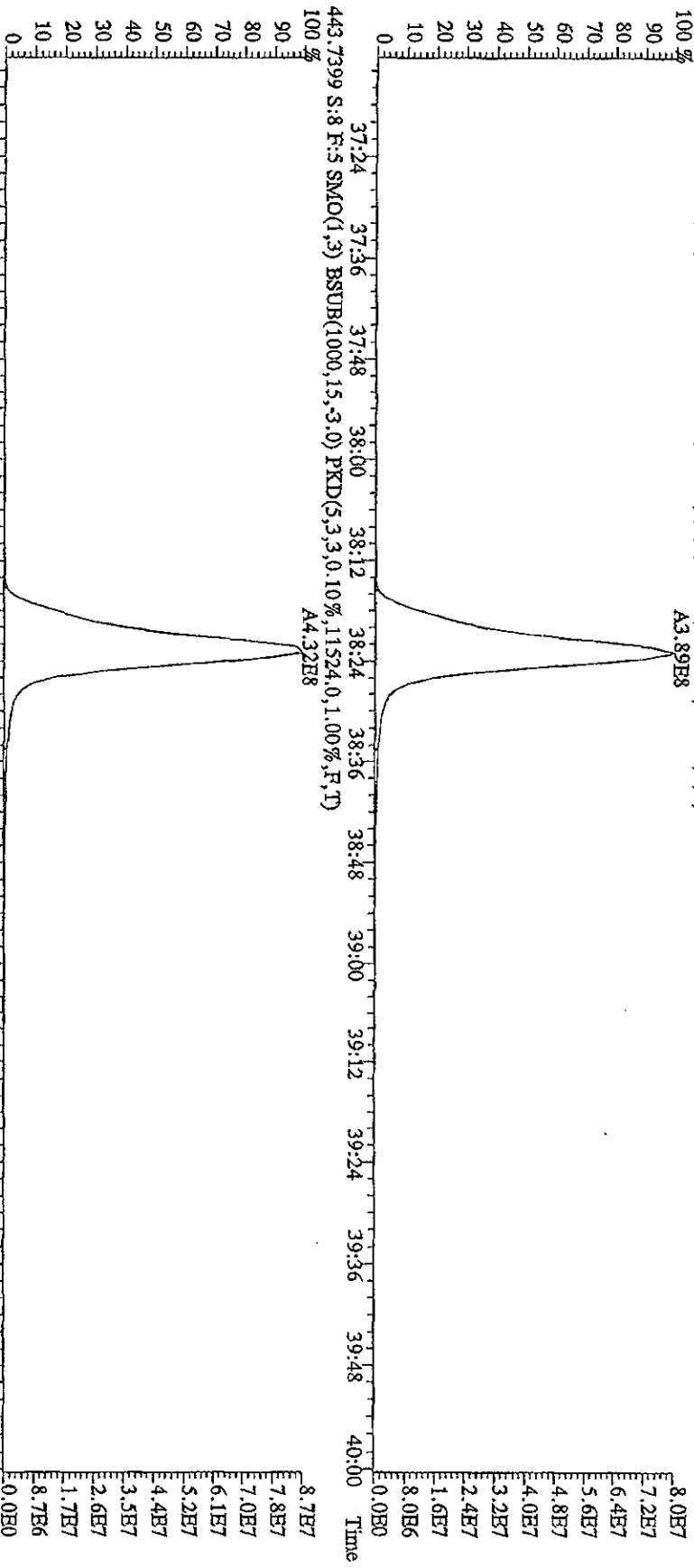
File: 21JUL10A4D5 #1-201 Acq: 21-JUL-2010 19:49:00 GC EI+ Voltage: 517V Autospec-UltimaB
 Sample#8 Text: ST0721B :CS-4 10DXN337 Exp: DIOXINRES
 407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41352.0,1.00%,F,T)



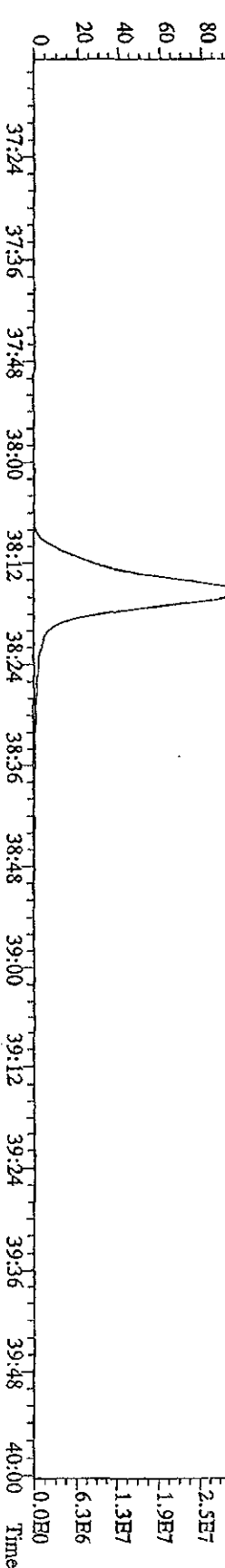
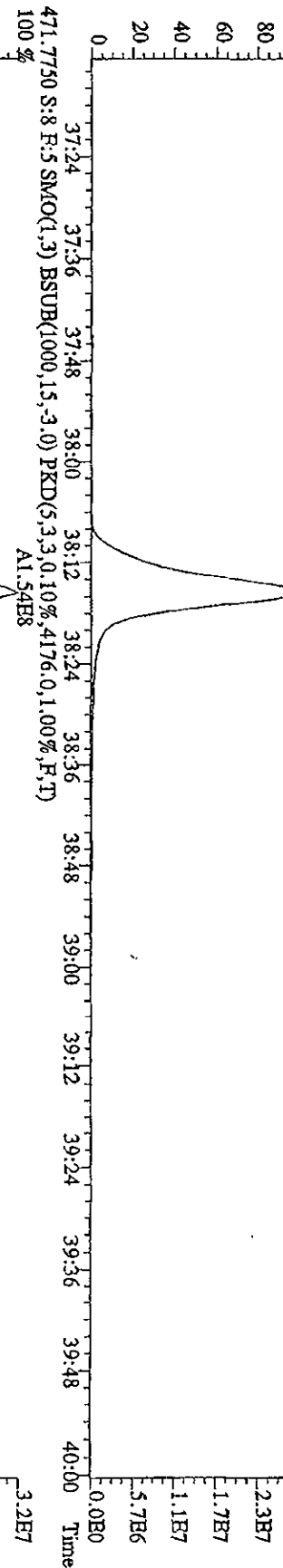
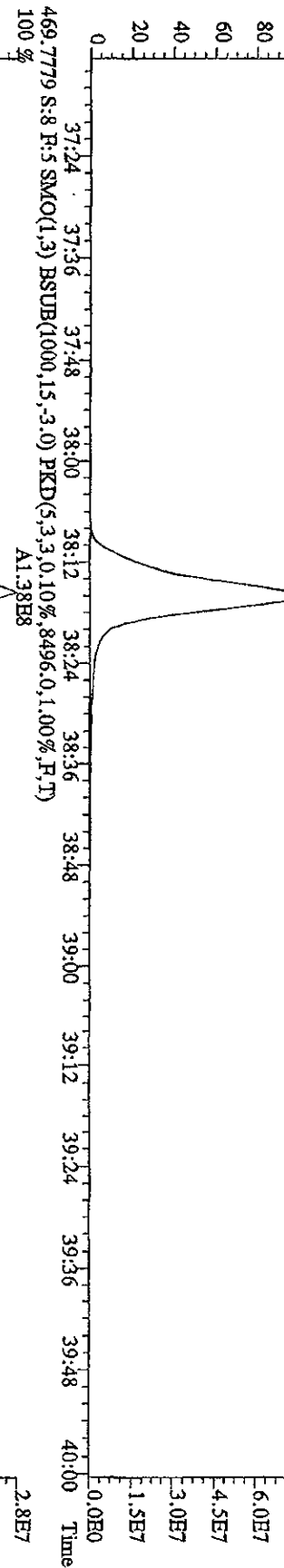
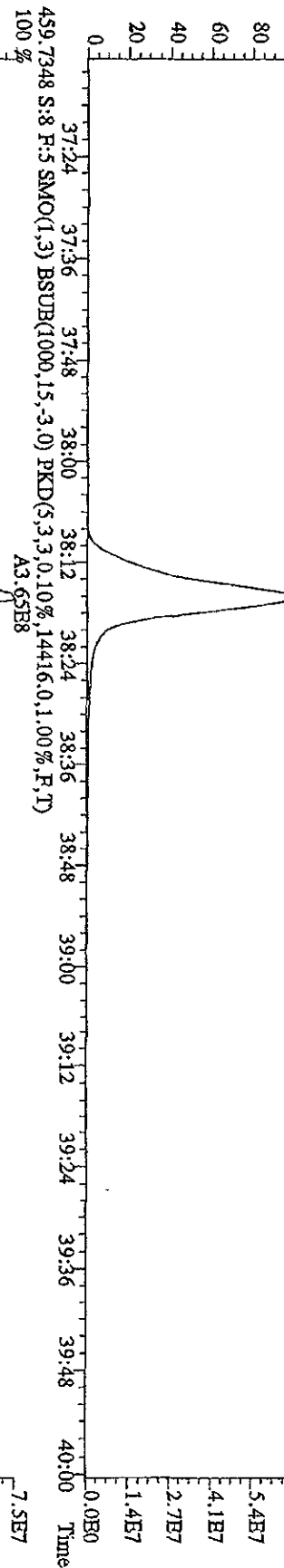
File: 21JL10A4D5 #1-201 Acq: 21-JUL-2010 19:49:00 GC EI+ Voltage STR Autospec-UltimaE
 Sample#8 Text: ST0721B :CS-4 10DXN337 Exp: DIOXINRES
 423.7766 S:8 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,14020,0,1,00%,F,T)
 100%



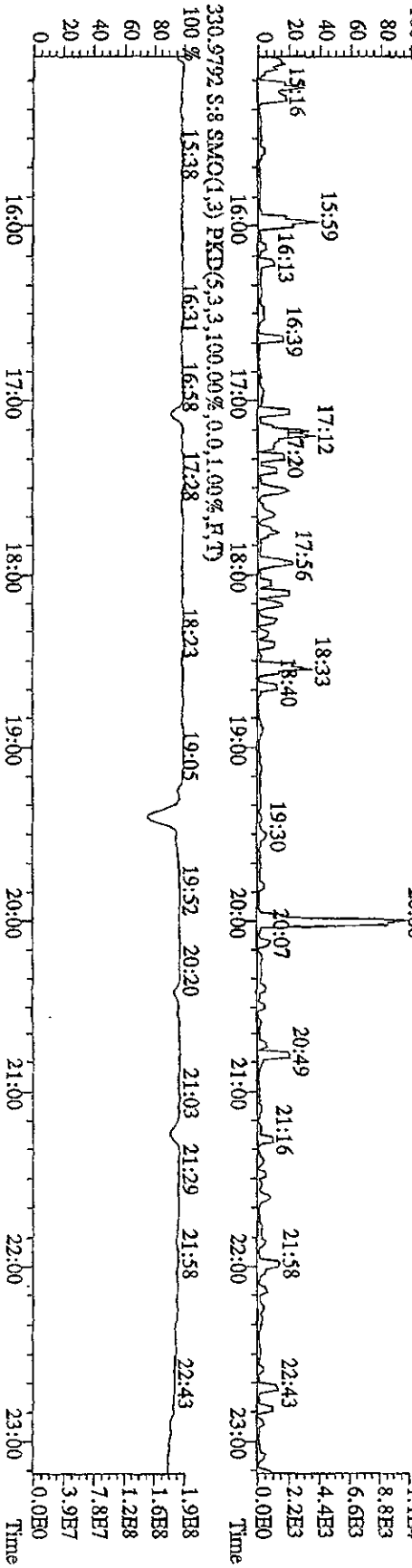
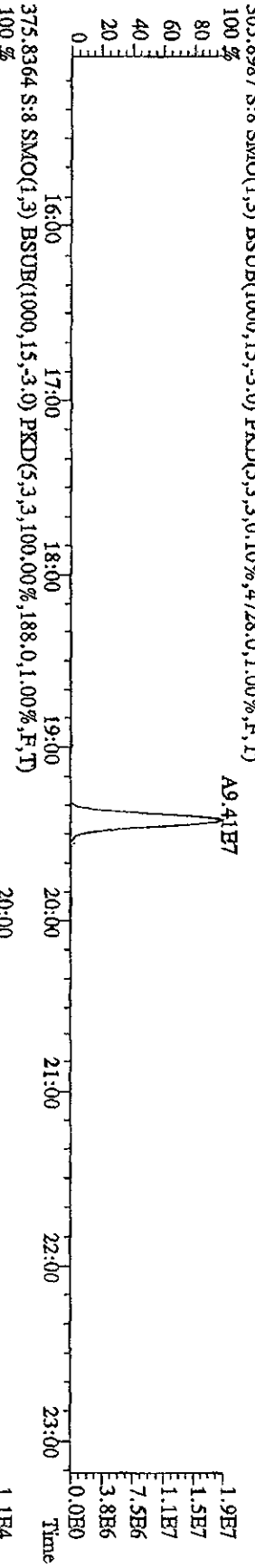
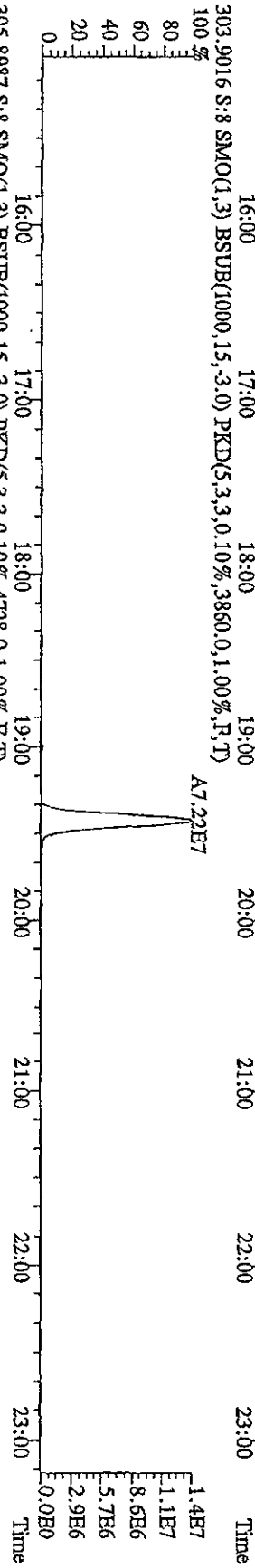
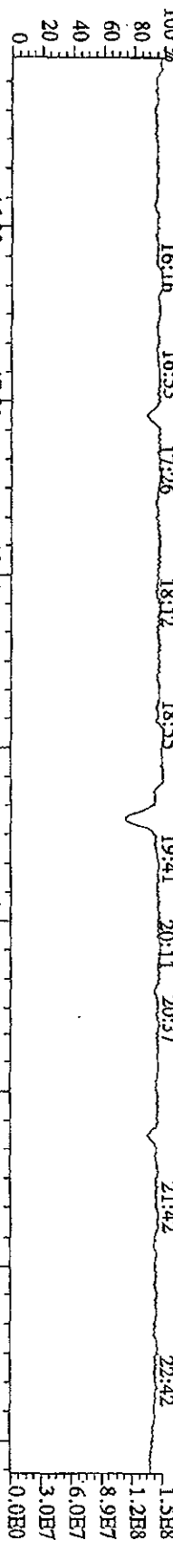
File:21JL10A4D5 #1-227 Acq:21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltraB
 Sample#8 Text:ST0721E :CS 4 10DXN337 Exp:DIOXINRES
 441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12968,0,1,00%,F,T)
 A3.89E8



File: 21JUL10A4D5 #1-227 Acq: 21-JUL-2010 19:49:00 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#8 Text: ST0721E : CS-4 10DXN337 Exp: DIOXINRES
 457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8120,0,1,00%,F,T)
 100% A3.29E8

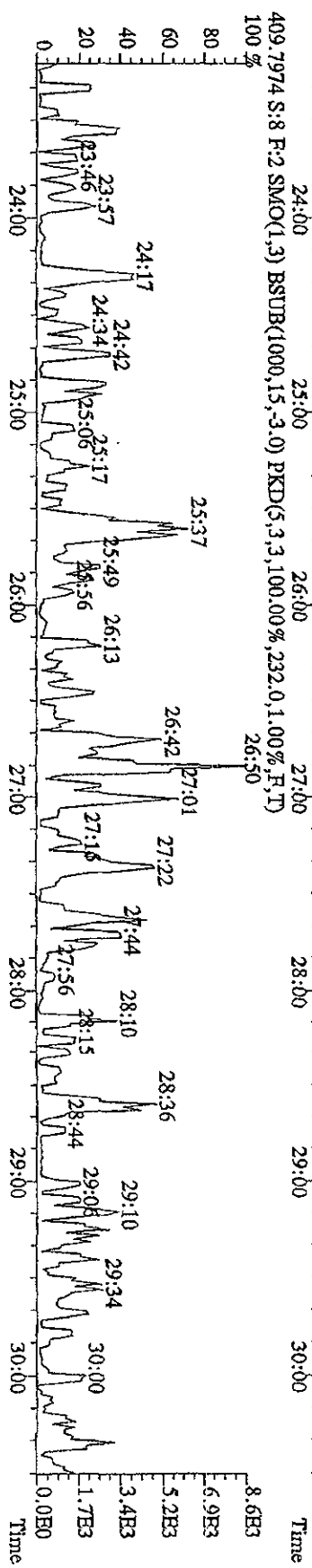
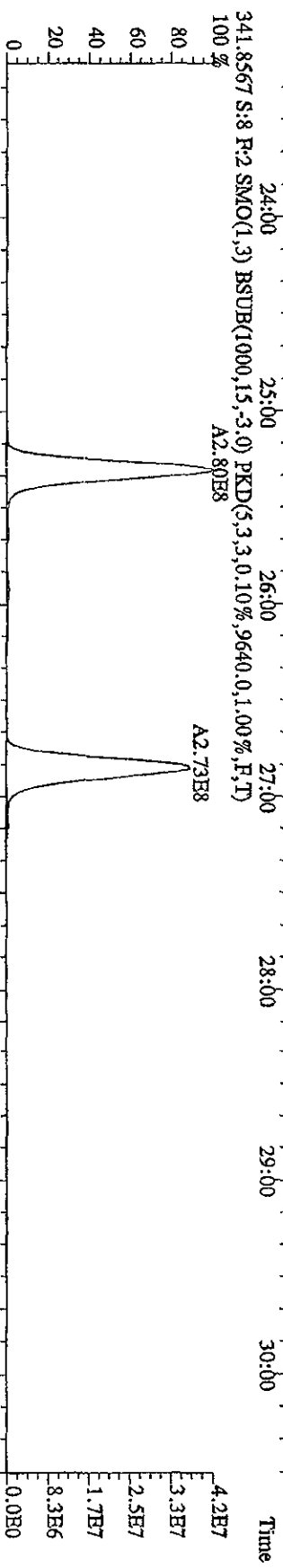
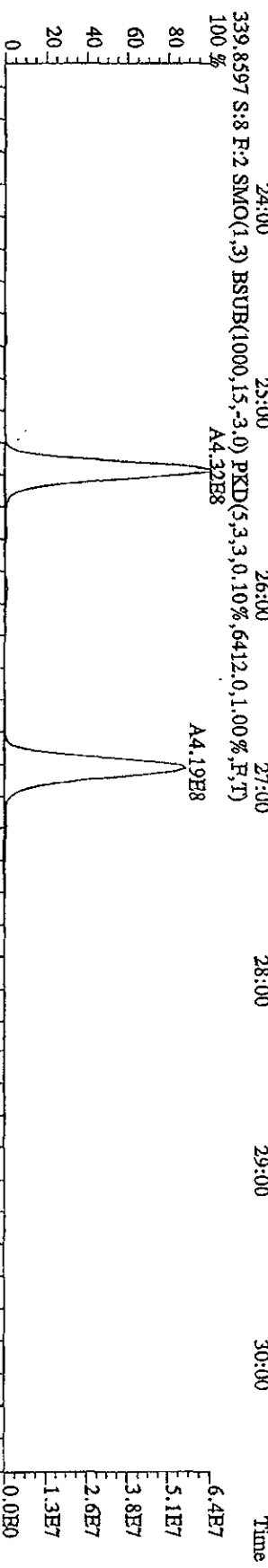
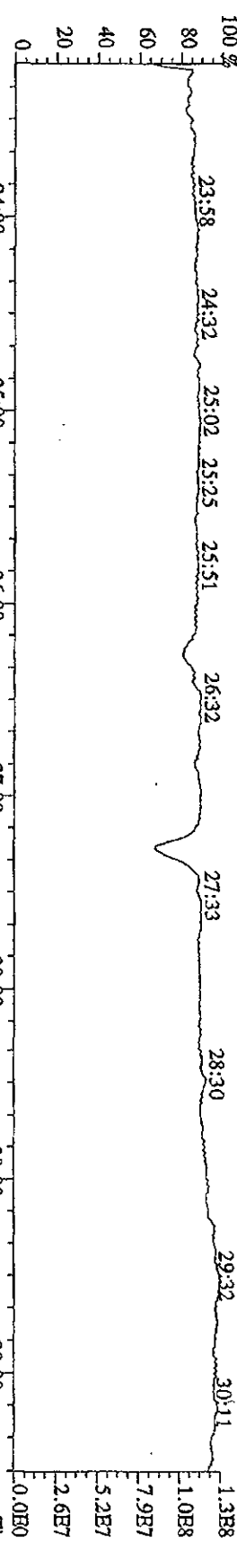


File: 211L10AADD5 #1-541 Acq: 21-JUL-2010 19:49:00 GC: EI+ Voltage: SIR Autospec: Ultimate
 Sample#8 Text: ST0721B : CS 4 10DXN337 Exp: DIOXINRES
 292.9825 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T) 16:16 16:53 17:26 18:12 18:55 19:41 20:11 20:37 21:42 22:42

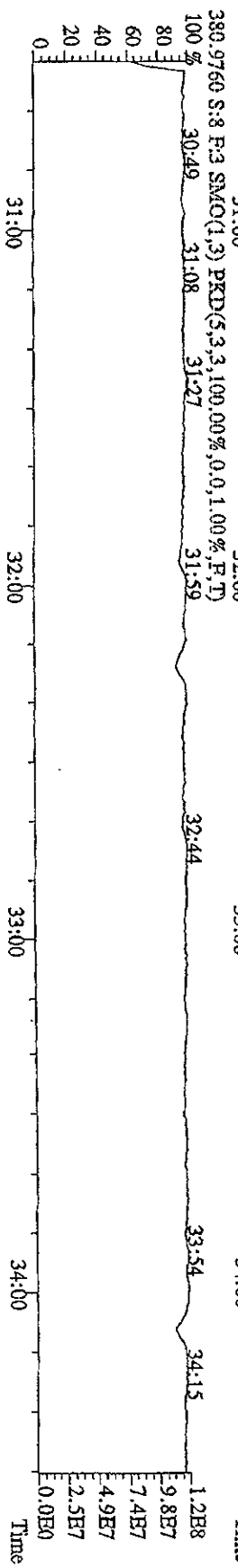
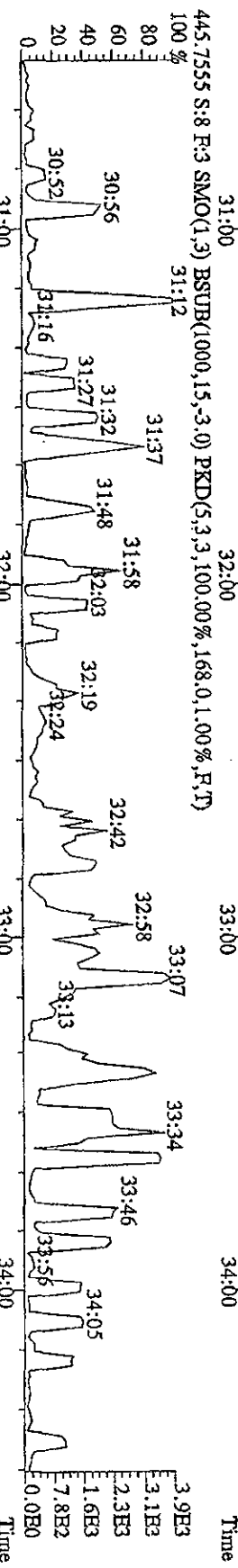
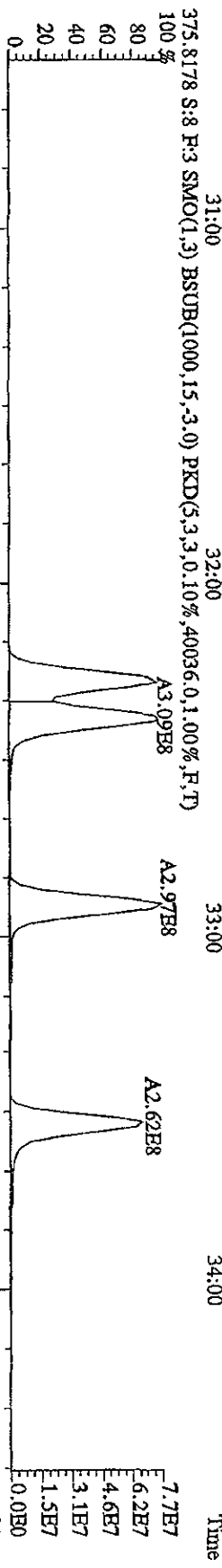
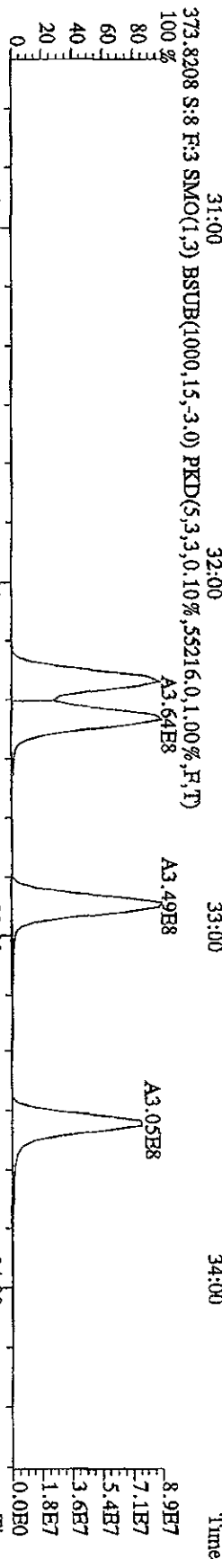
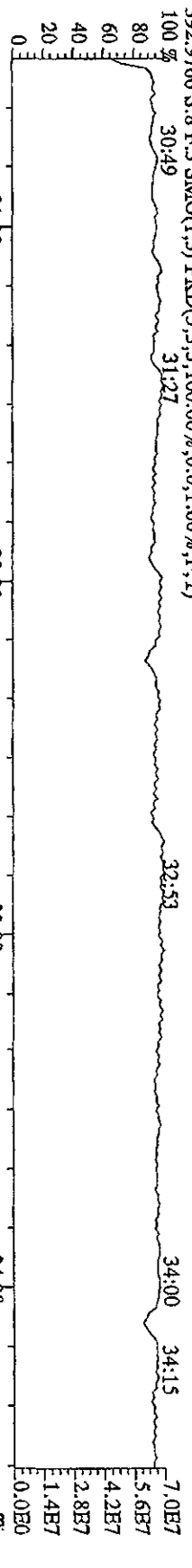


330.9792 S:8 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 15:38 16:31 16:58 17:28
 1.9E7
 1.6E8
 1.2E8
 7.8E7
 3.9E7
 0.0E0

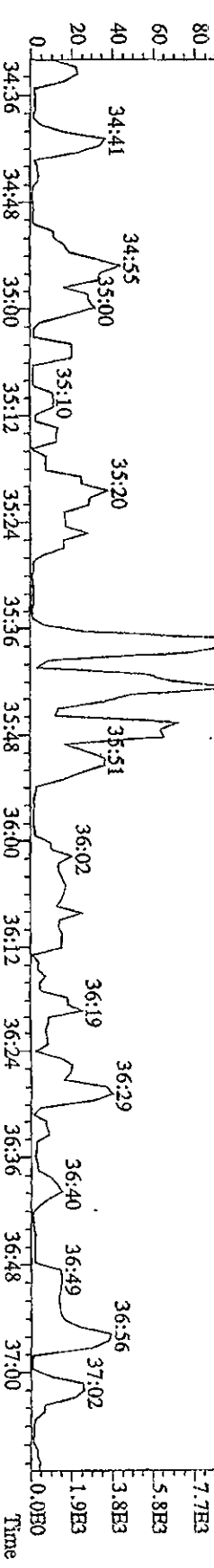
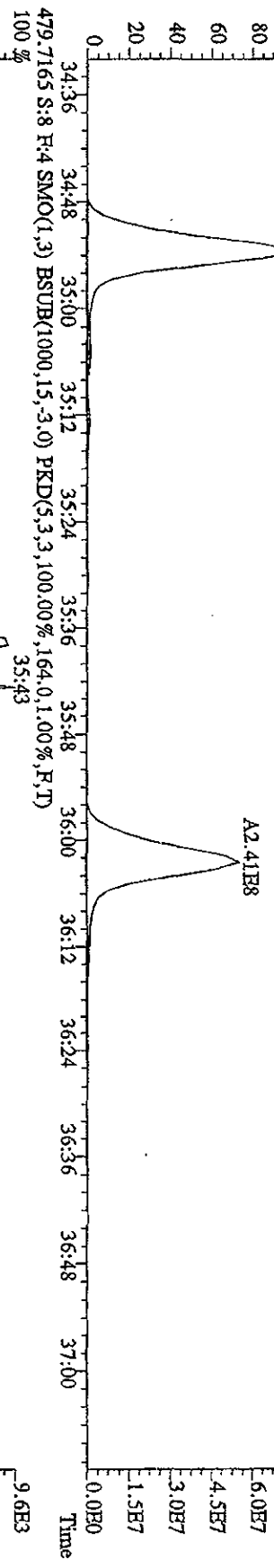
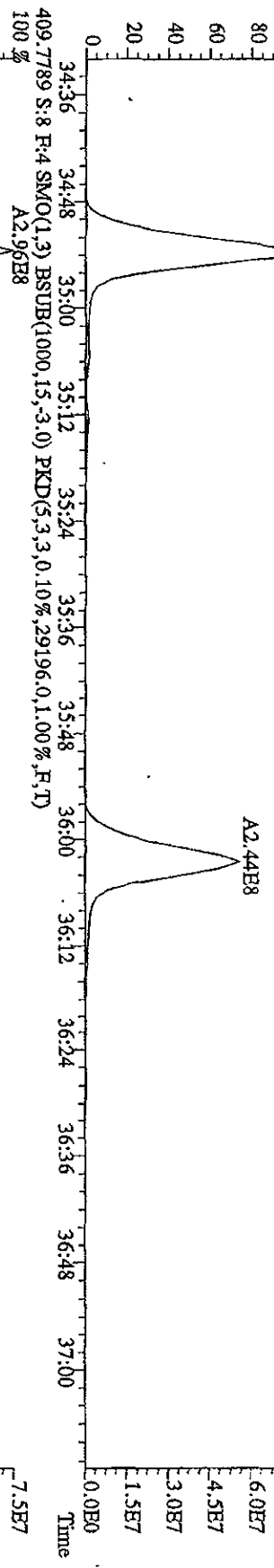
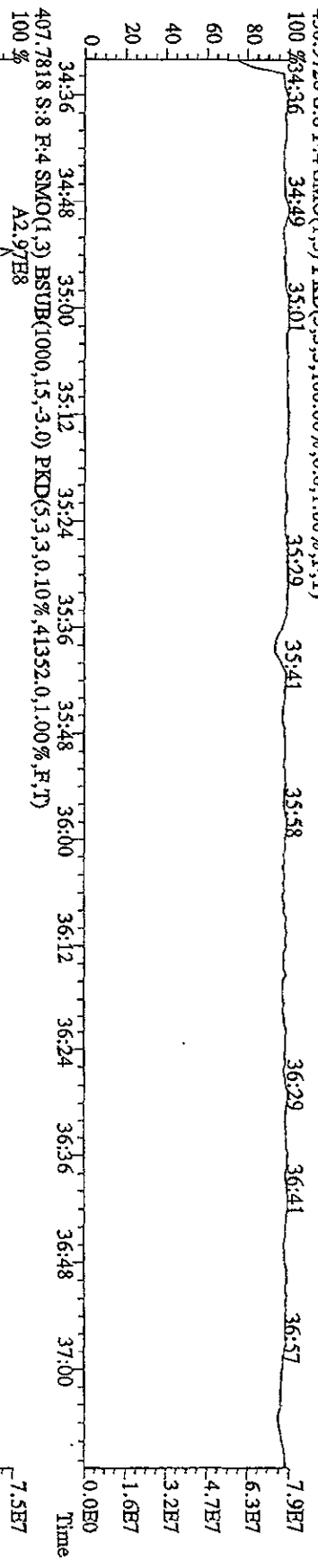
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:49:00 GC RI+ Voltage SIR Autospec-UtimaE
 Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES
 342.9792 S:8 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File: 211L10A4D5 #1-287 Acq: 21-JUL-2010 19:49:00 GC BI+ Voltage SIR Autospec-Ultimate
 Sample#8 Text: ST0721B :CS-4 10DXN37 Exp: DIOXINRES
 392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 30:49 31:27 32:53 34:00 34:15

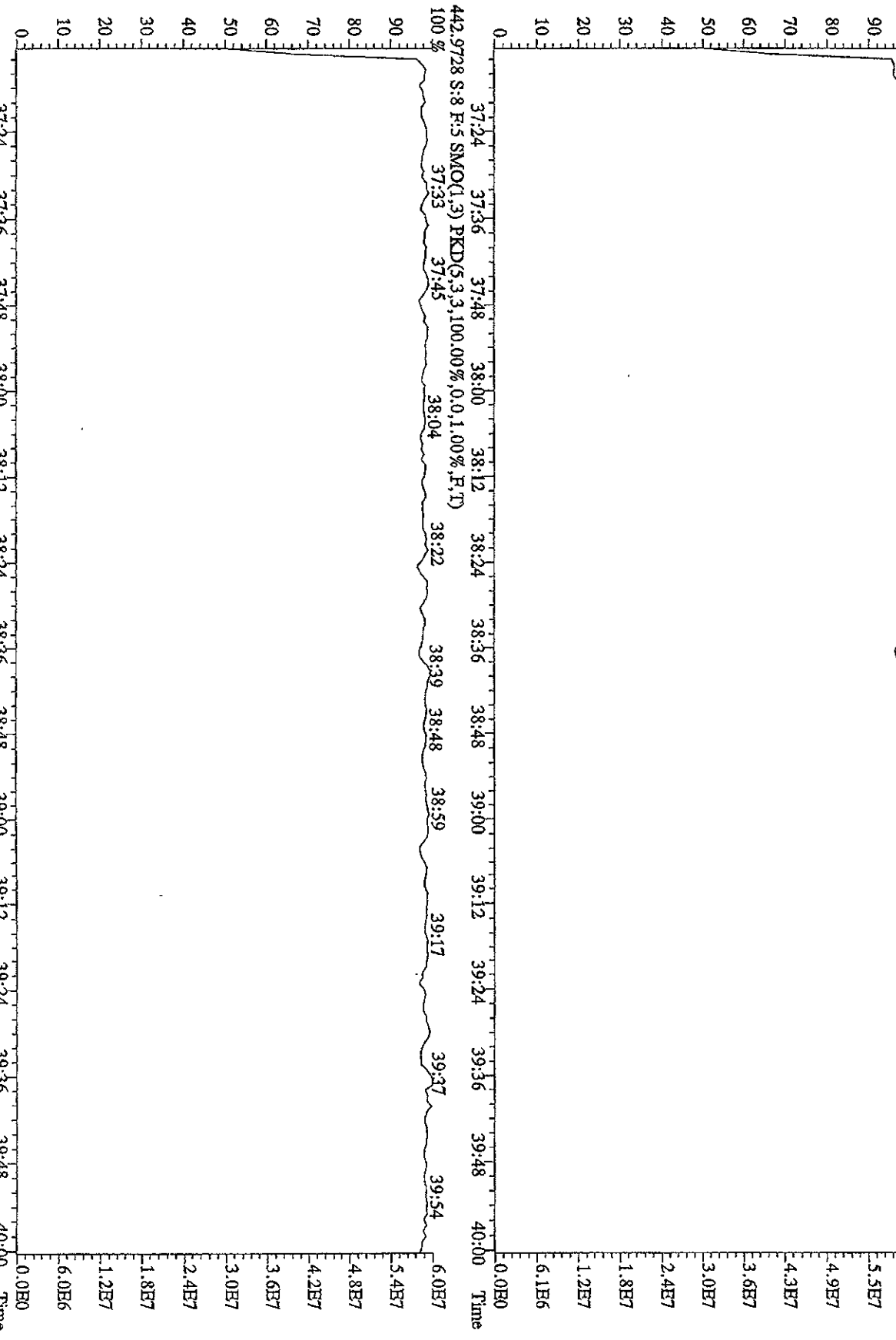


File:211L10A4D5 #1-201 Acq:21-JUL-2010 19:49:06 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#8 Text:ST0721E :CS-4 10DXN337 Exp:DIOXINRES
 430.9728 S:8 F:4 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 %34:36 34:49 35:01 35:29 35:41 35:58 36:29 36:41 36:57

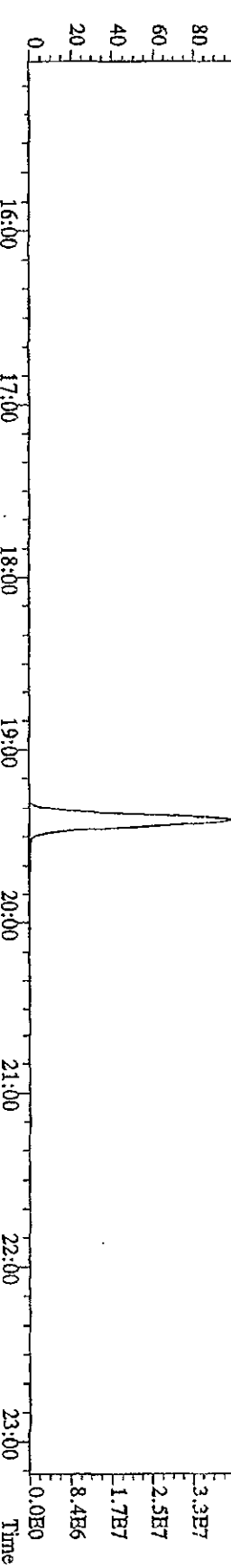
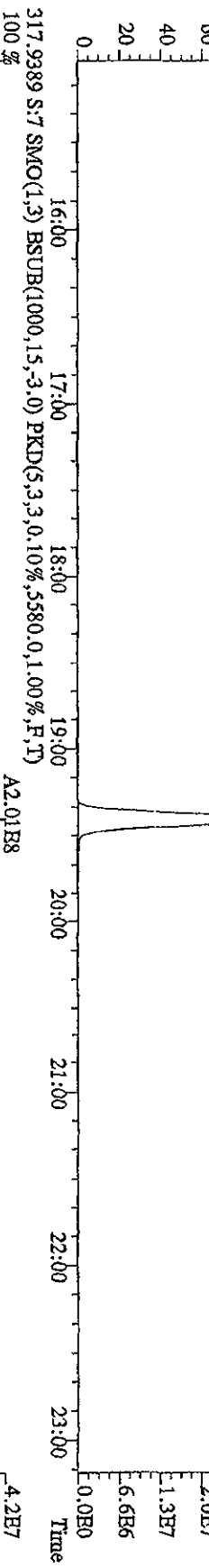
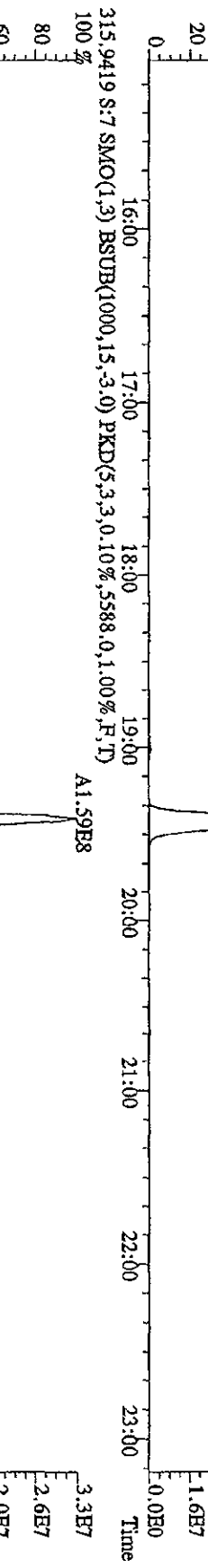
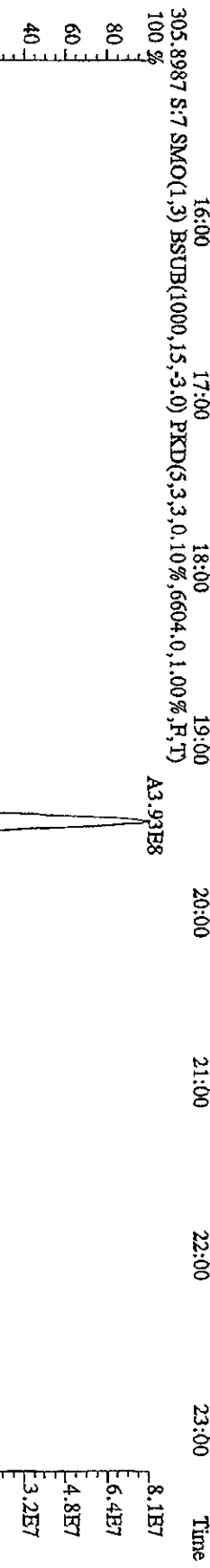
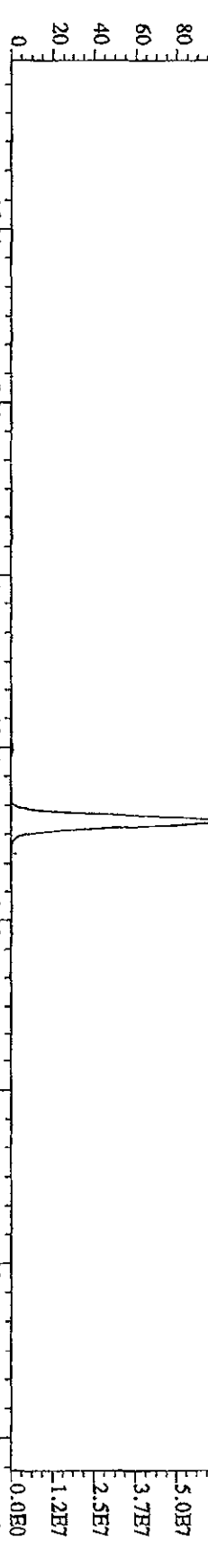


File: 21JUL10ADD5 #1-227 Acq: 21-JUL-2010 19:49:00 GC EI+ Voltage: SIR Autospec-UltimaB
 Sample#8 Text: ST0721B :CS-4 10DXN337 Exp: DIOXINRES

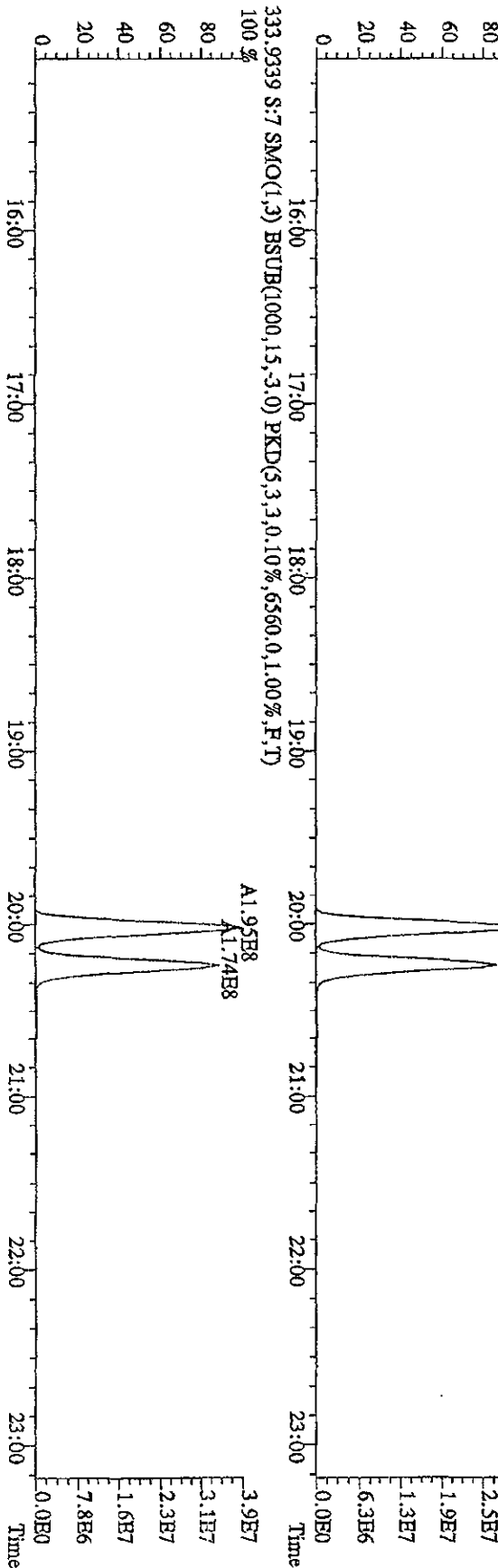
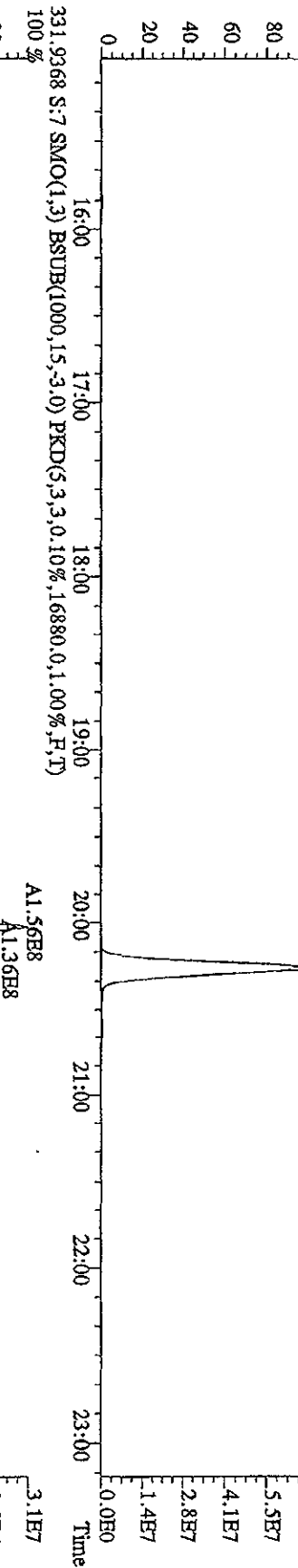
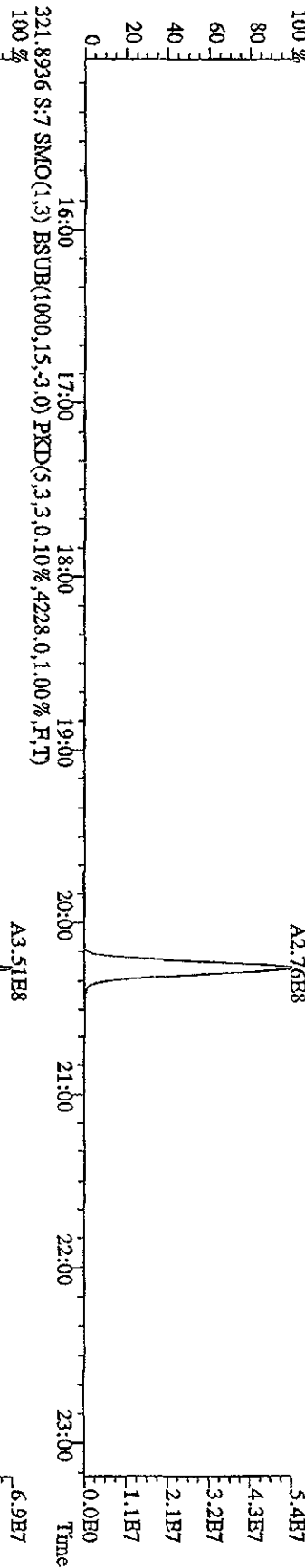
454.9728 S: 8 F: 5 SMO(1,3) PKD(5,3,3,100.00%, 0.0, 1.00%, F, T)



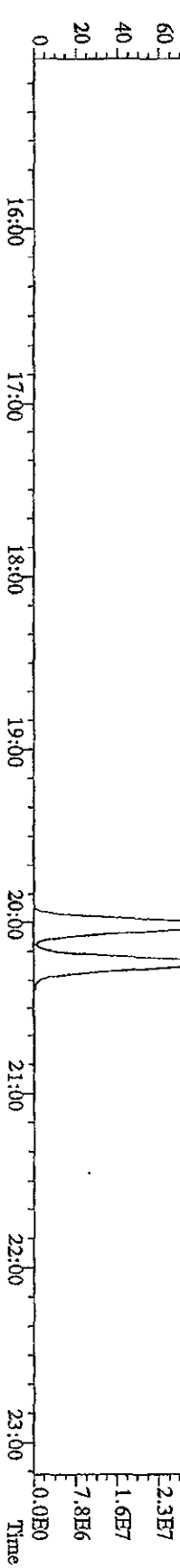
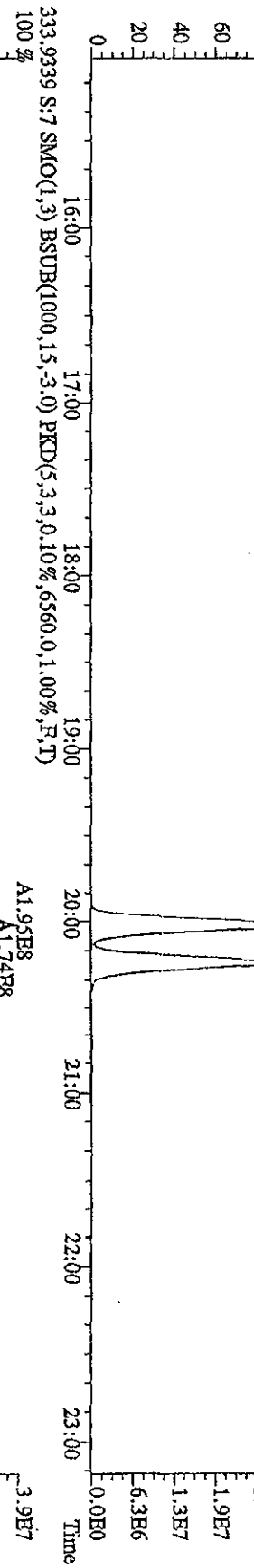
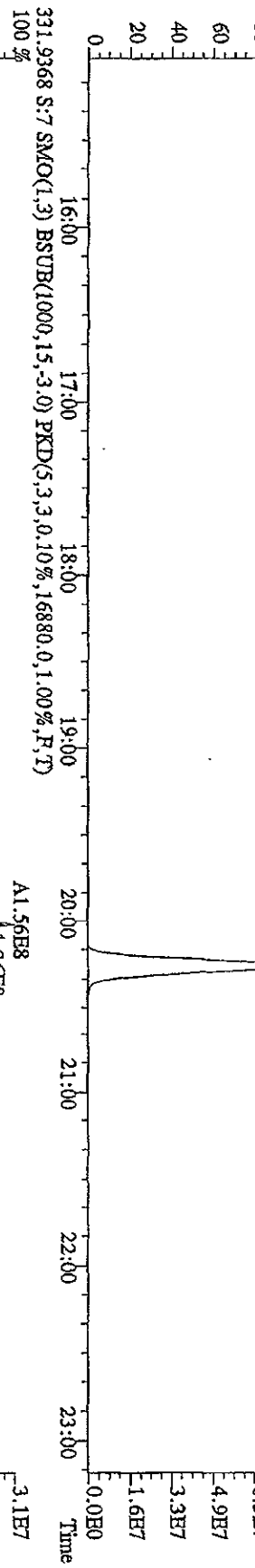
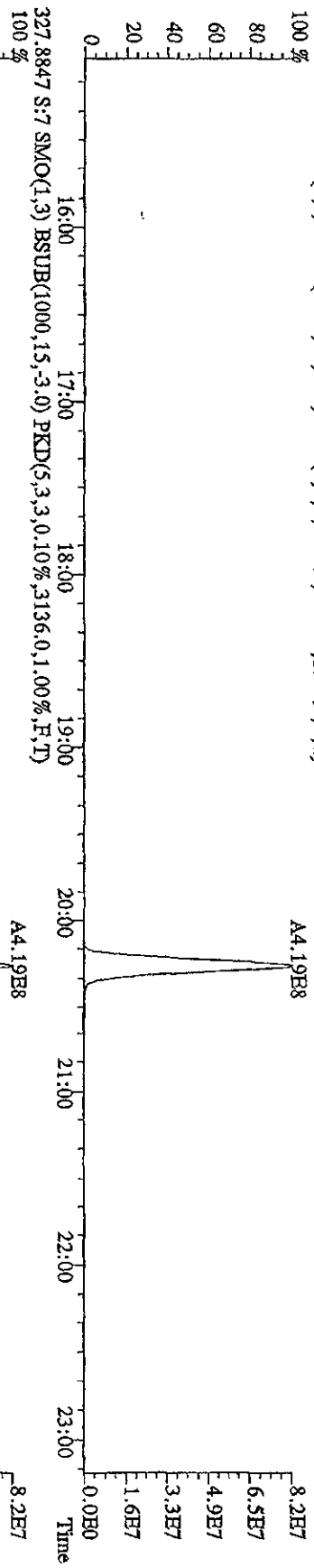
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 19:03:58 GC EI+ Voltage 51R Autospec-Ultimate
 Sample#7 Text: ST0721D :CS-5 10DXN339 Exp: DIOXINRES
 303.9016 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3616,0,1,00%,F,T)
 100%



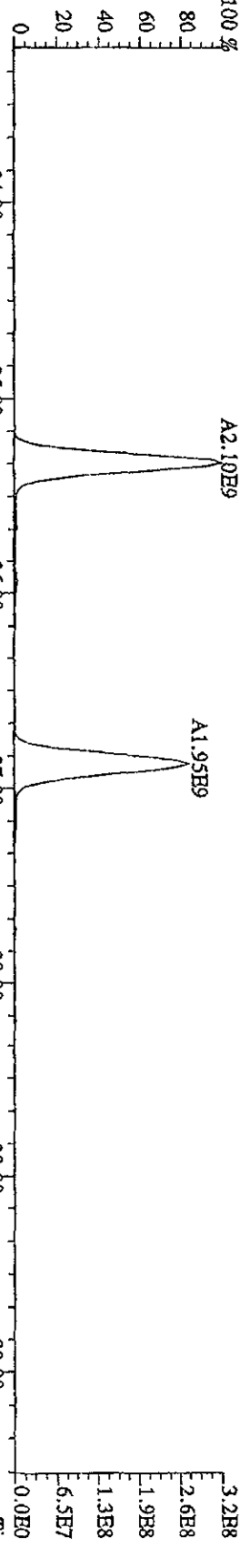
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 19:03:58 GC: EI+ Voltage: SIR Autospec-UltimaR
 Sample#7 Text: ST0721D : CS-5 10DXN339 Exp: DIOXINRES
 319.8965 S: 7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4828,0,1,00%,F,T)



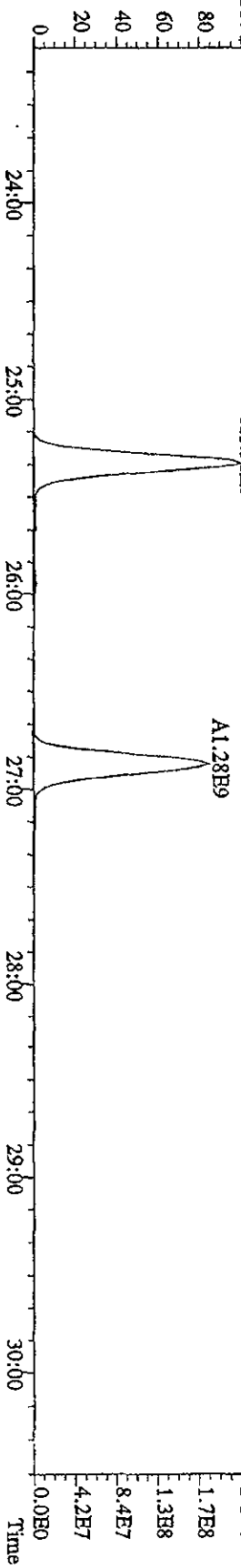
File: 21JL10A4D5 #1-541 Acq: 21-JUL-2010 19:03:58 GC BF+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: ST0721D :CS-5 10DXN339 Exp: DIOXINRES
 327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3136,0.1,0.0%,F,T)
 100%



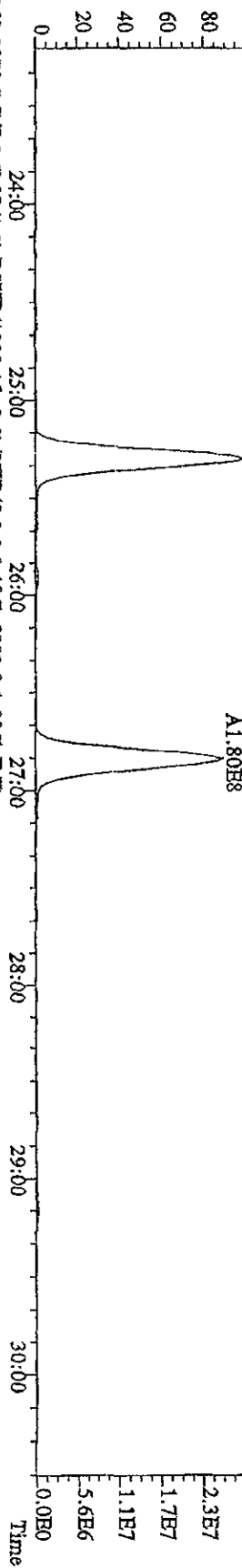
File:21JL10A4D5 #1-469 Acq:21-JUL-2010 19:03:58 GC HI+ Voltage SIR Autospec-UltraB
 Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
 339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,26980,0,1,00%,F,T)
 100 % A2.10E9



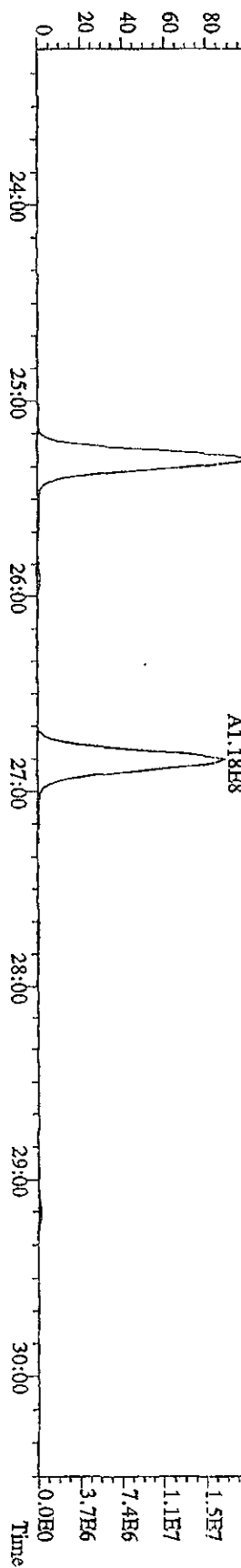
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13656,0,1,00%,F,T)
 100 % A1.36E9



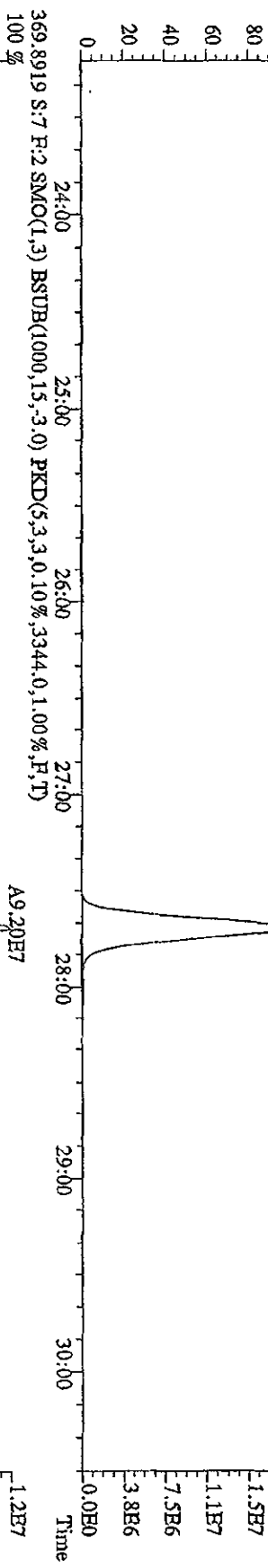
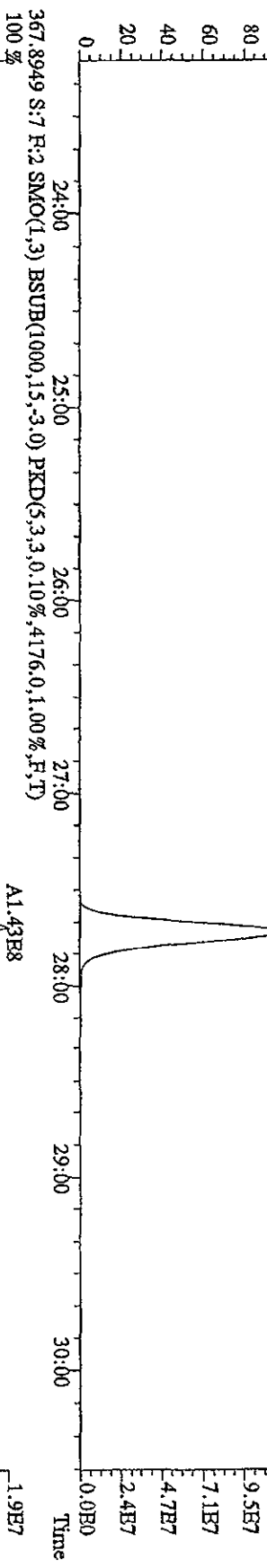
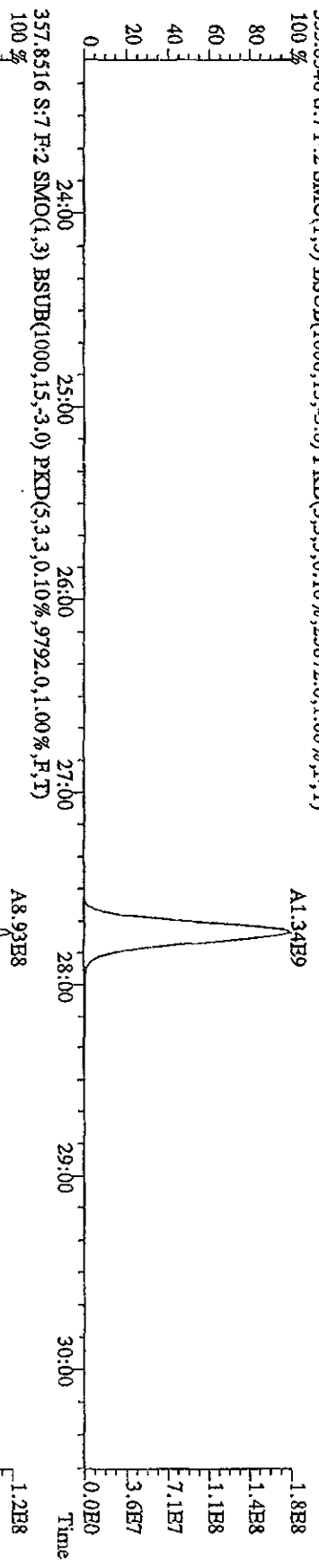
351.9000 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4644,0,1,00%,F,T)
 100 % A1.88E8



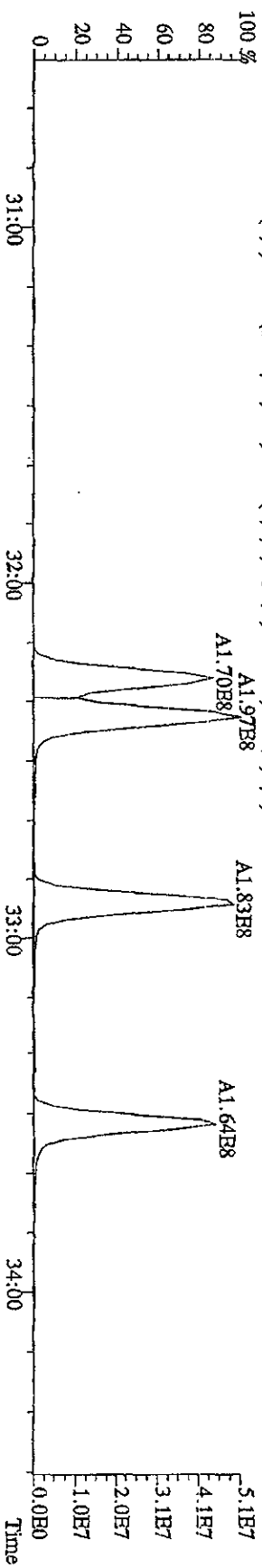
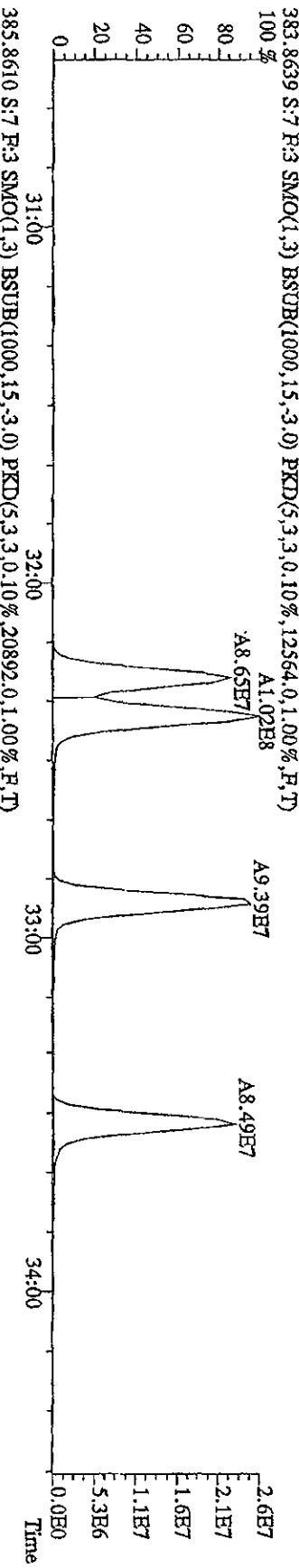
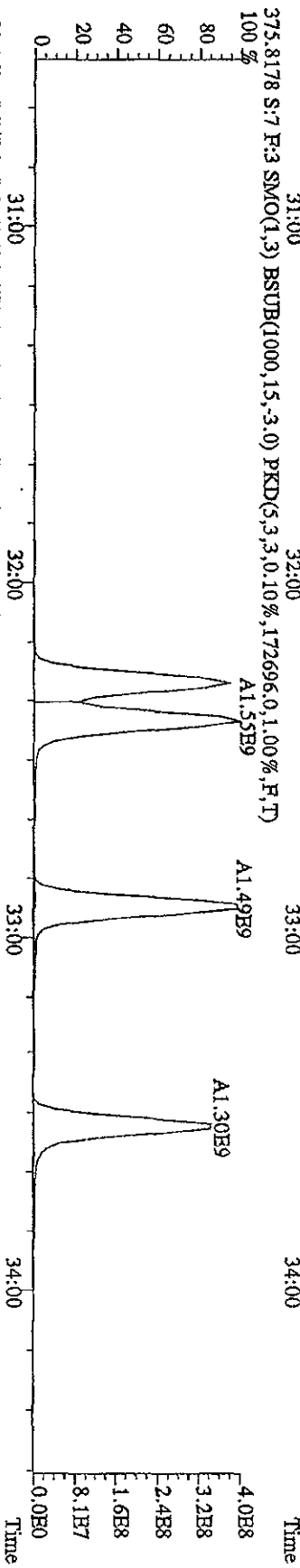
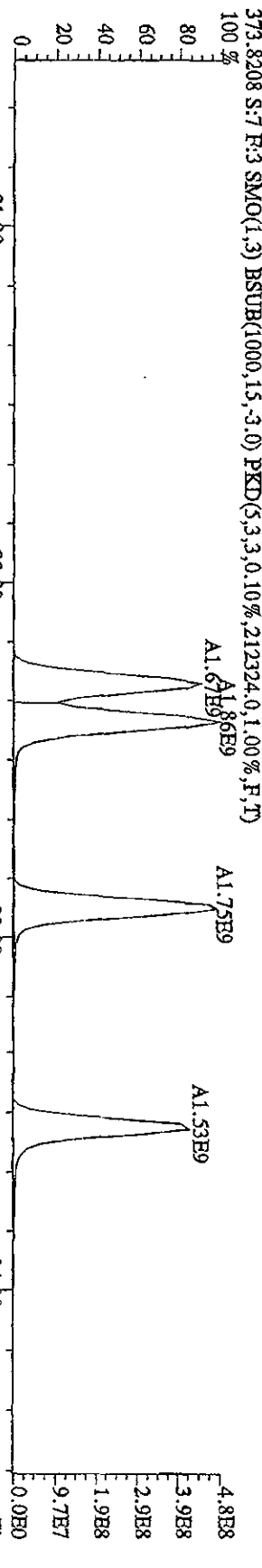
353.8970 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5992,0,1,00%,F,T)
 100 % A1.23E8



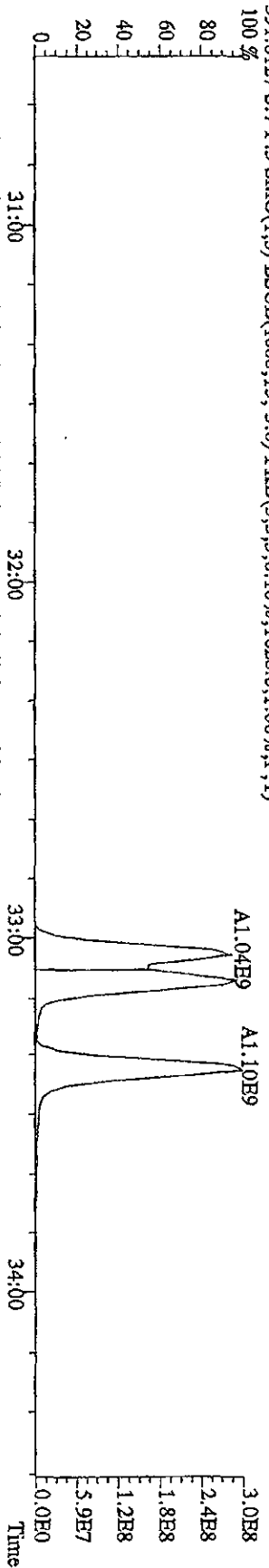
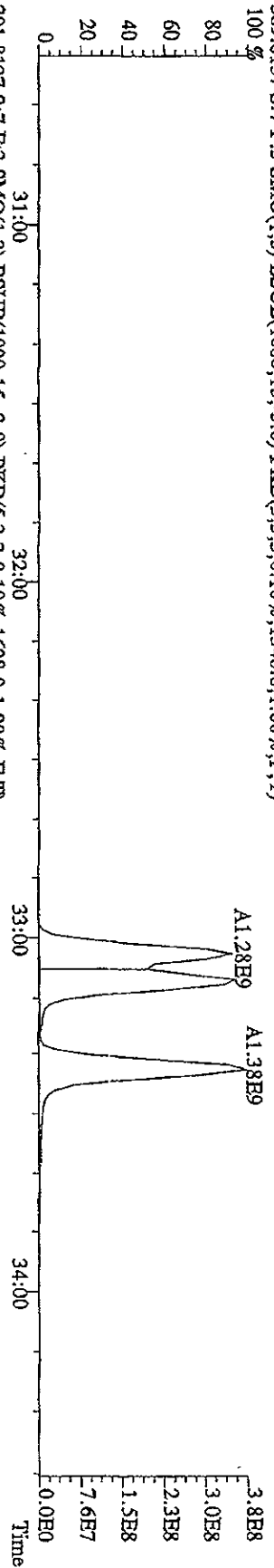
File:211L10A4D5 #1-469 Acq:21-JUL-2010 19:03:58 GC Hi+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:ST0721D :CS-5 10DXN359 Exp:DIOXINRES
 355.8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25872.0,1.00%,F,T)



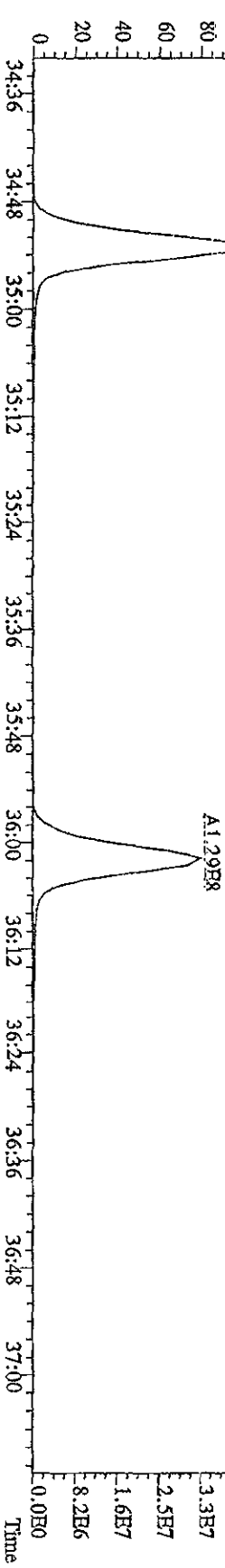
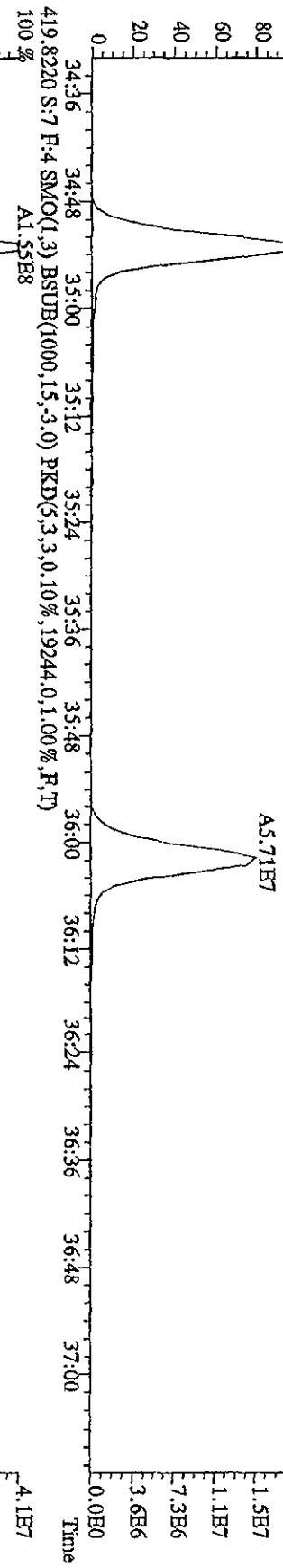
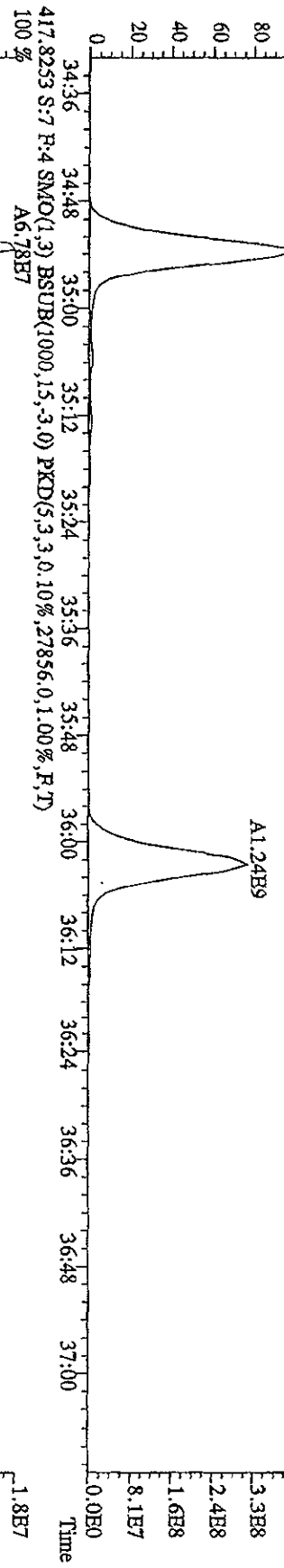
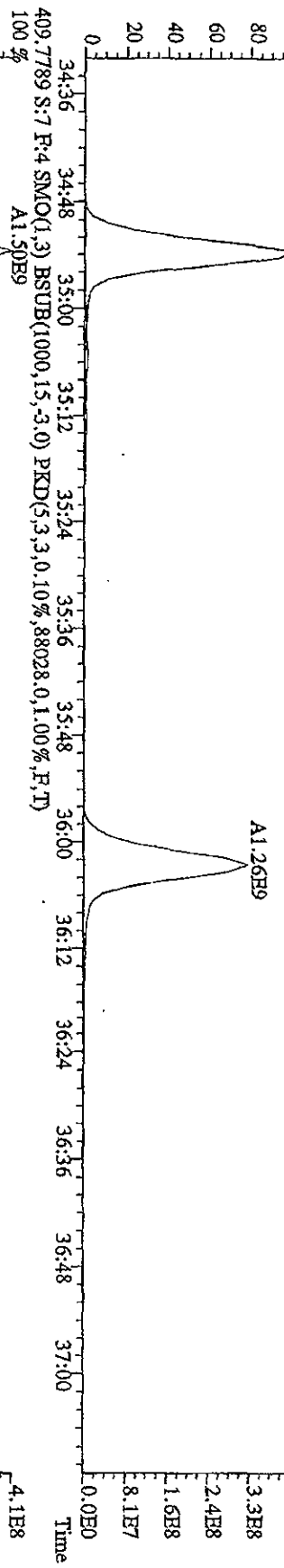
File: 21JL10A4D5 #1-287 Acq: 21-JUL-2010 19:03:58 GC BY + Voltage SIR Autospec-Ultimate
 Sample#7 Text: ST0721D : CS-5 10DXN339 Exp: DIOXINRES



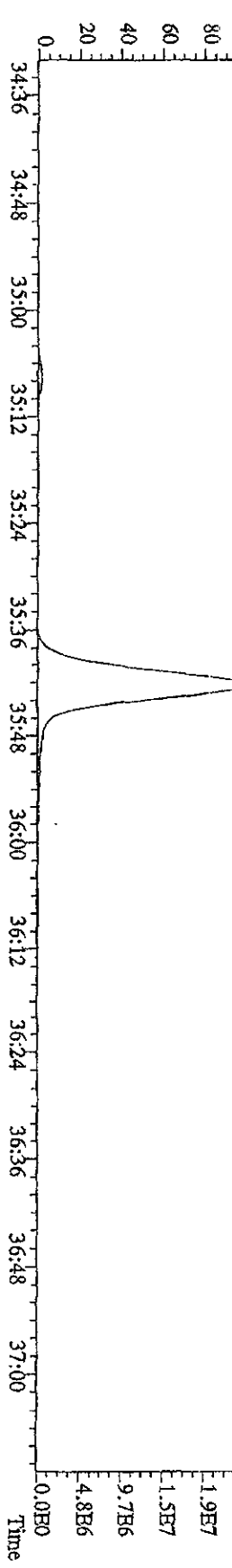
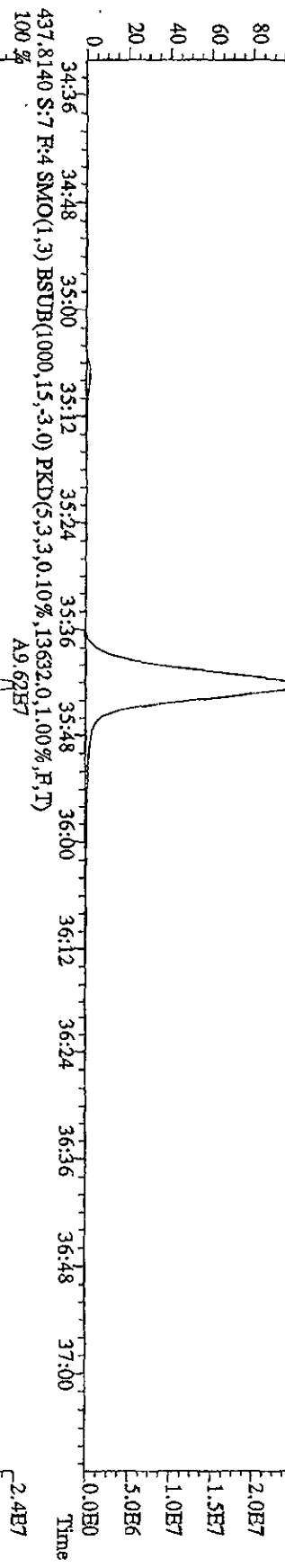
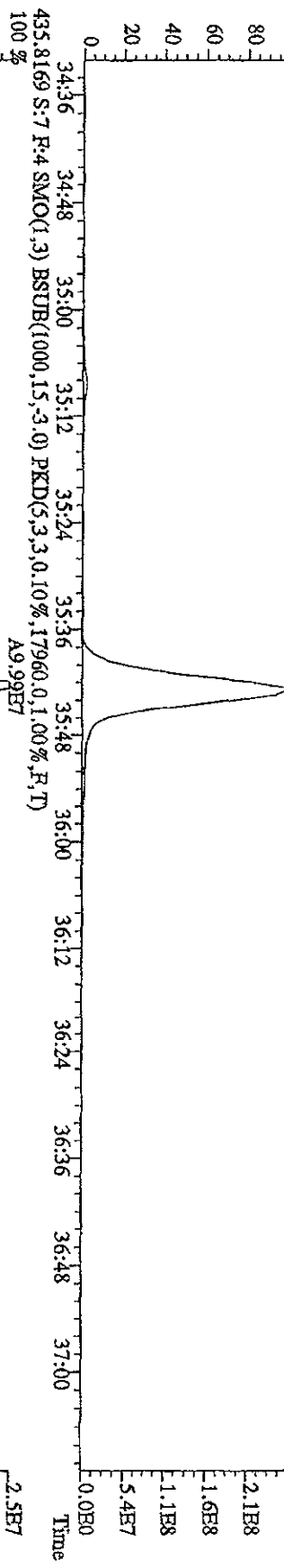
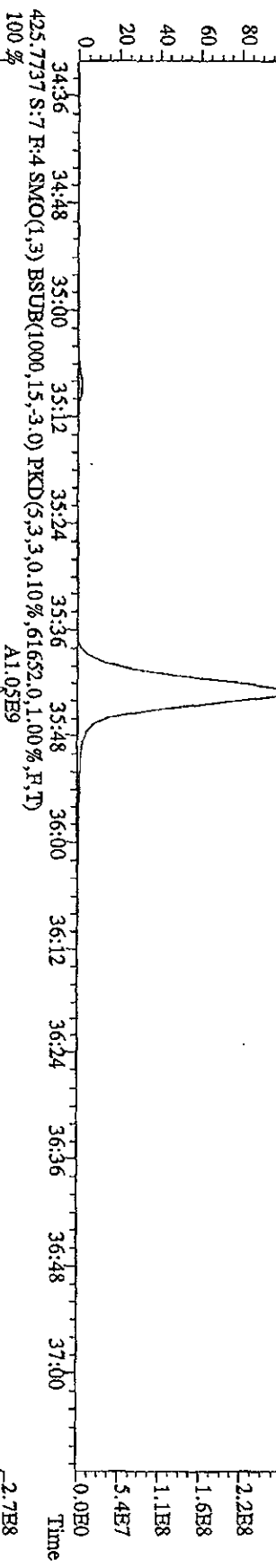
File: 21JUL10A4D5 #1-287 Acq: 21-JUL-2010 19:03:58 GC HI + Voltage SIR Autospec-Ultimat
 Sample#7 Text: ST0721D :CS-5 10DXN39 Exp: DIOXINRHS
 389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1340,0,1.00%,F,T)



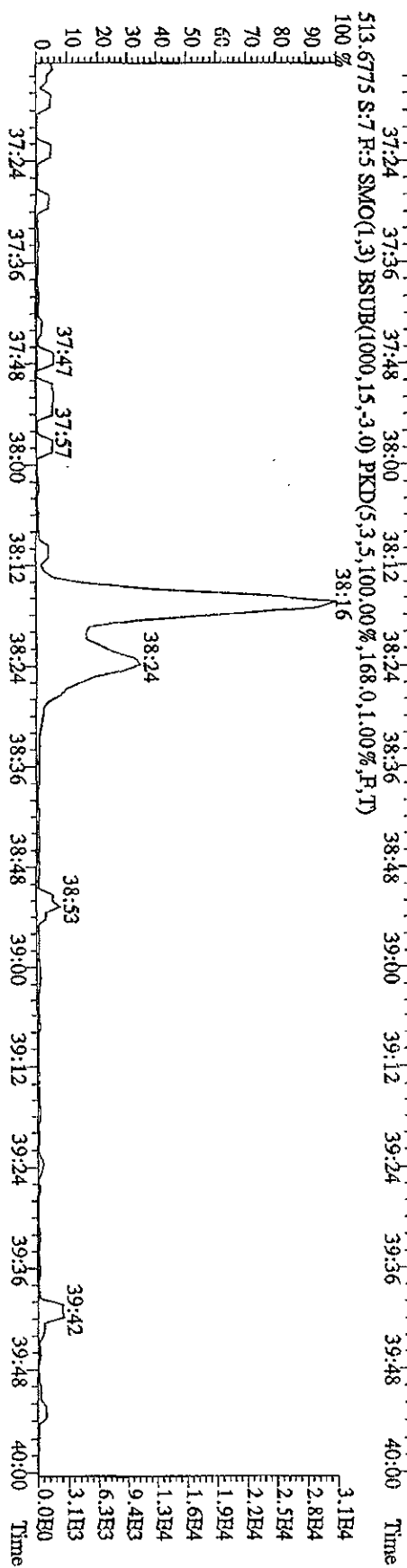
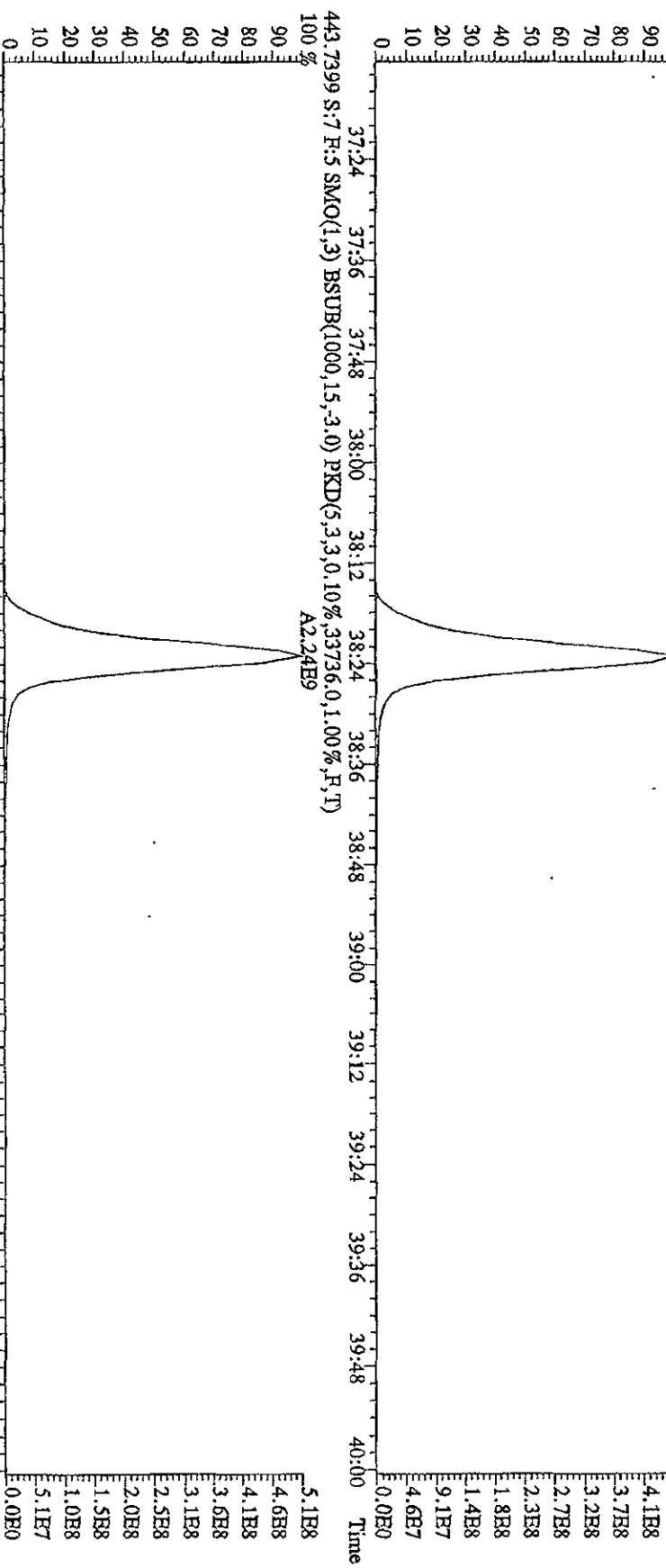
File:211110A4D5 #1-201 Acq:21-JUL-2010 19:03:58 GC FI+ Voltage SR Autospec-Ultimate
 Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
 407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,99420,0.1,00%,F,T)
 100% A1.51E9



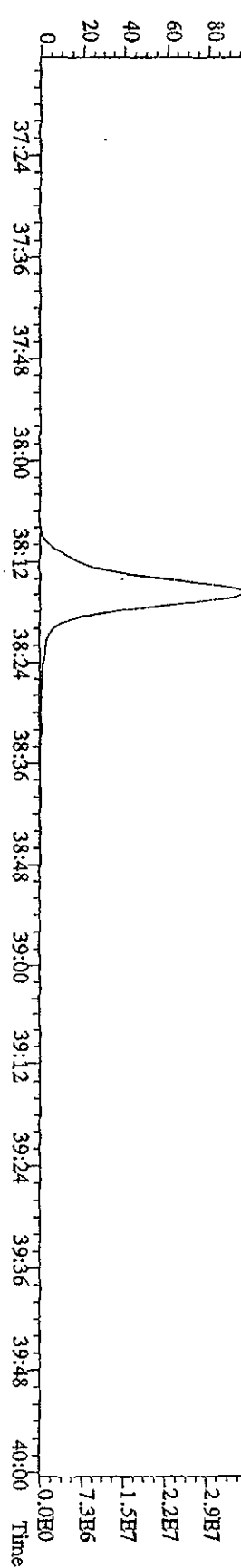
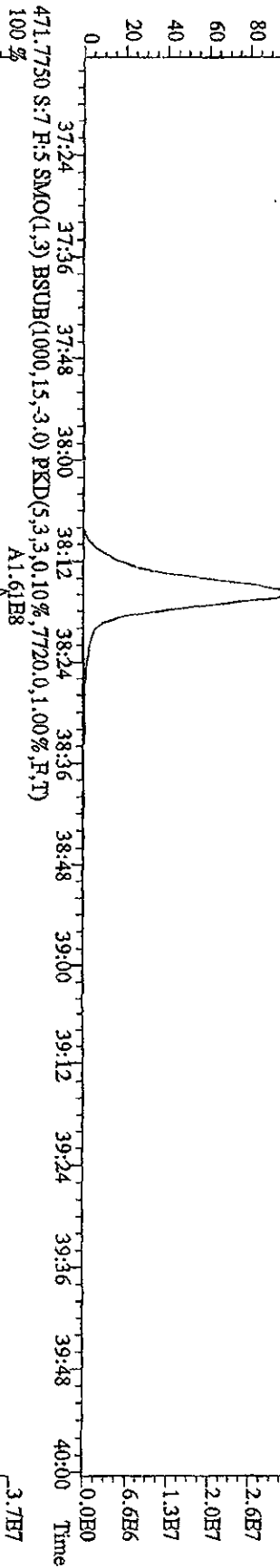
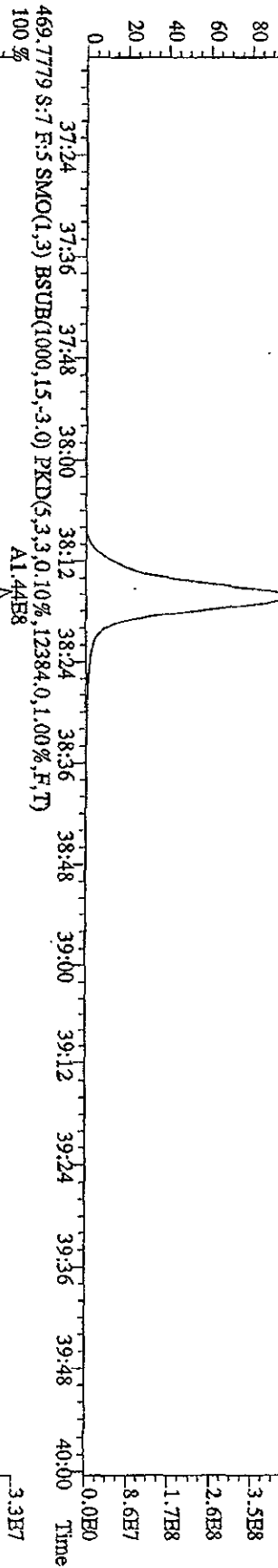
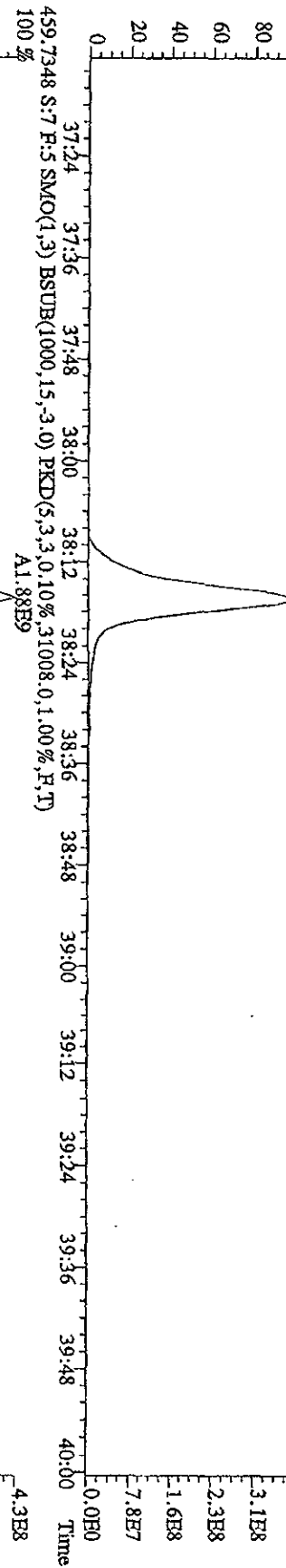
File:21JL10A4D5 #1-201 Acq:21-JUL-2010 19:03:58 GC EI+ Voltage STR Autospec-Ultima8
 Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
 423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.00%,F,T) A1.08E9



File: 21JUL10A4D5 #1-227 Acq: 21-JUL-2010 19:03:58 GC BI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: ST0721D :CS-5 10DXN339 Exp: DIOXINHES
 441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,.37688,0,1.00%,F,T) A2.02E9



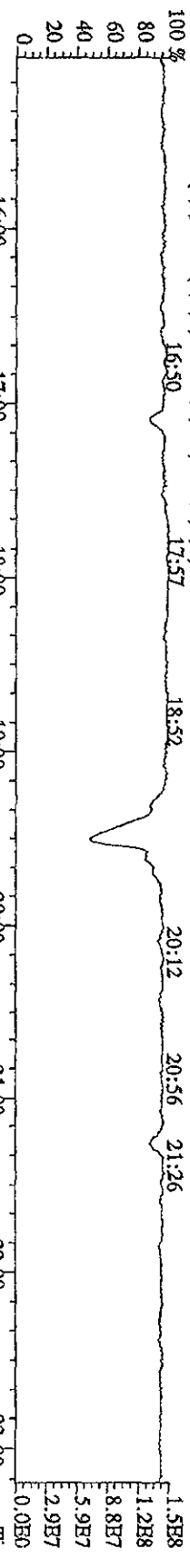
File: 2 JUL10A4ID5 #1-227 Acq: 21-JUL-2010 19:03:58 GC EI+ Voltage SIR Autospec-UHimate
 Sample#7 Text: ST0721D :CS-5 10DXN399 Exp: DIOXINRES
 457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,27244,0,1.00%,F,T)
 100% A1.69E9



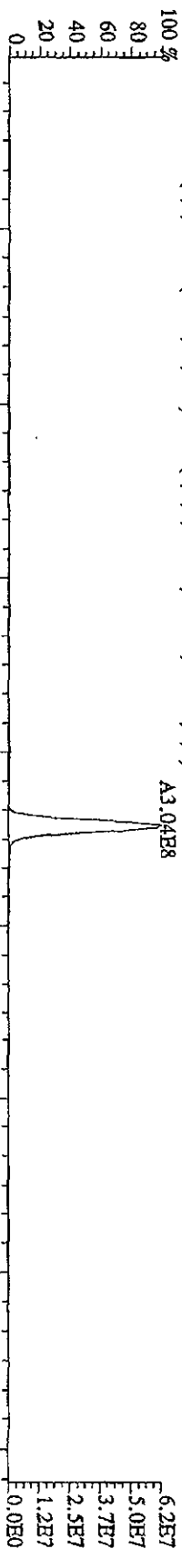
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 19:03:58 GC BF+ Voltage SIR Autospec-UltimaB

Sample#7 Text: ST0721D : CS-5 10DXN339 Exp: DIOXINRES

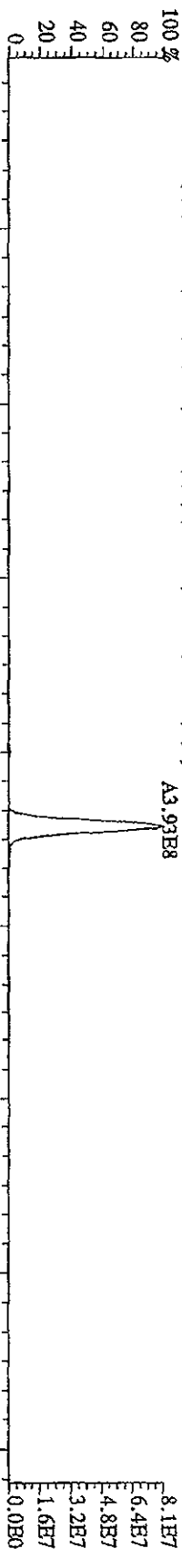
292.9825 S:7 SMO(1,3) PKD(5,3,5,100,00%,0,0,1,00%,F,T)



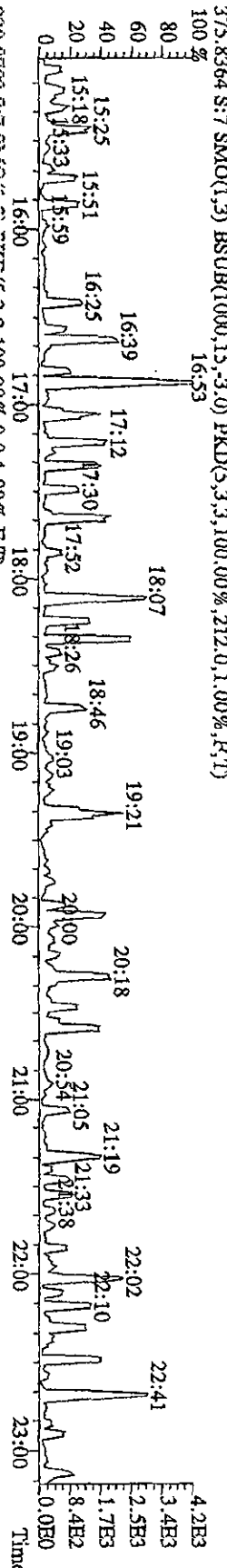
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3616,0,1,00%,F,T)



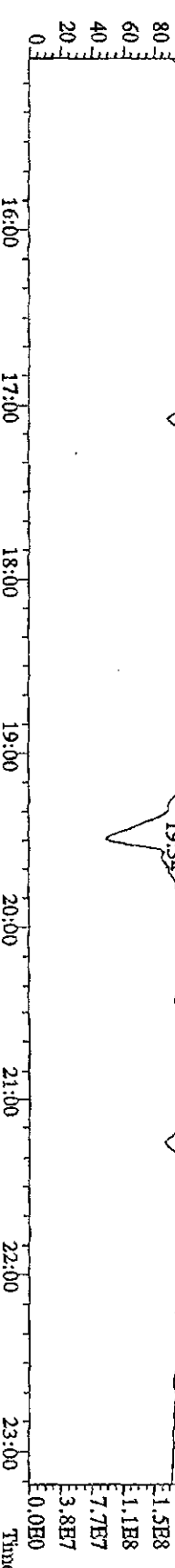
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6604,0,1,00%,F,T)



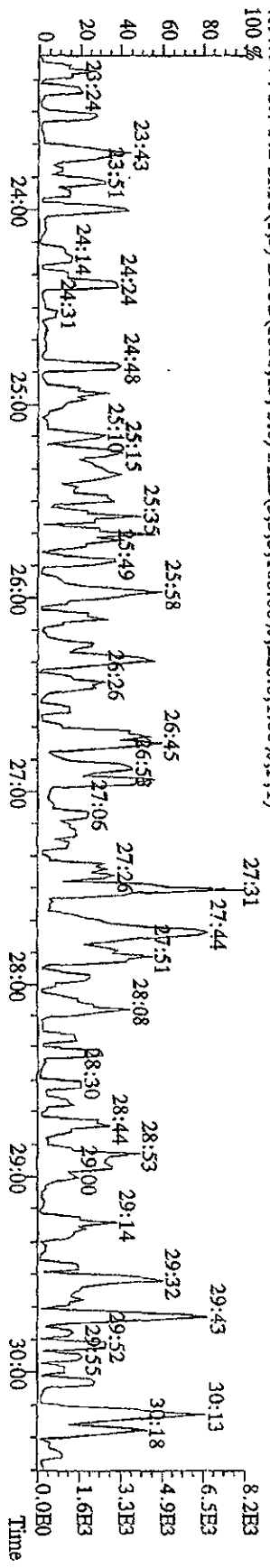
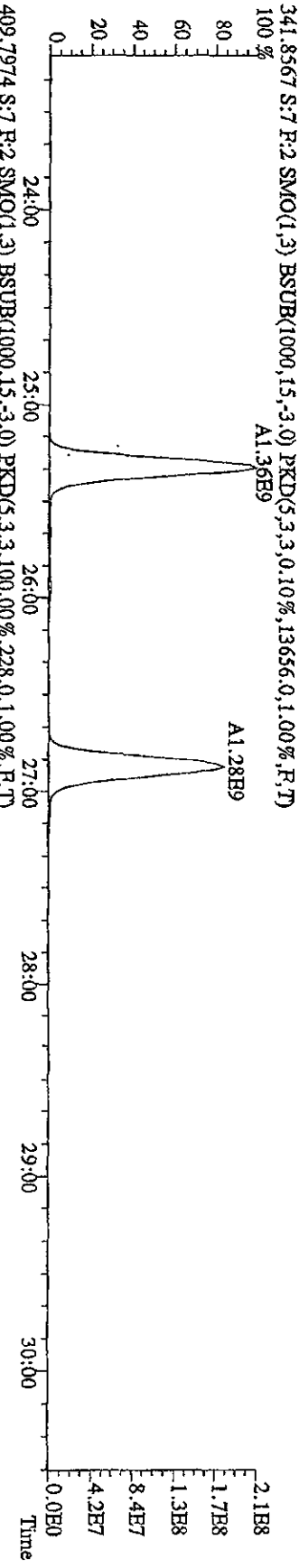
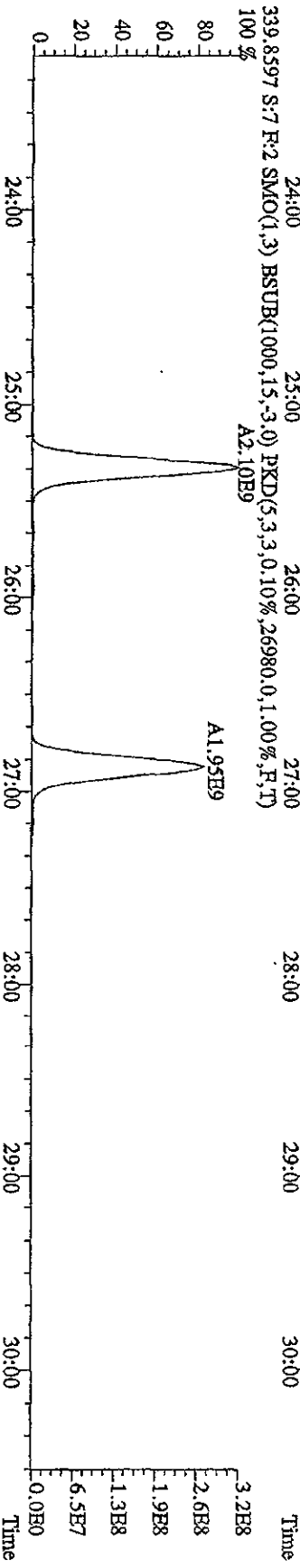
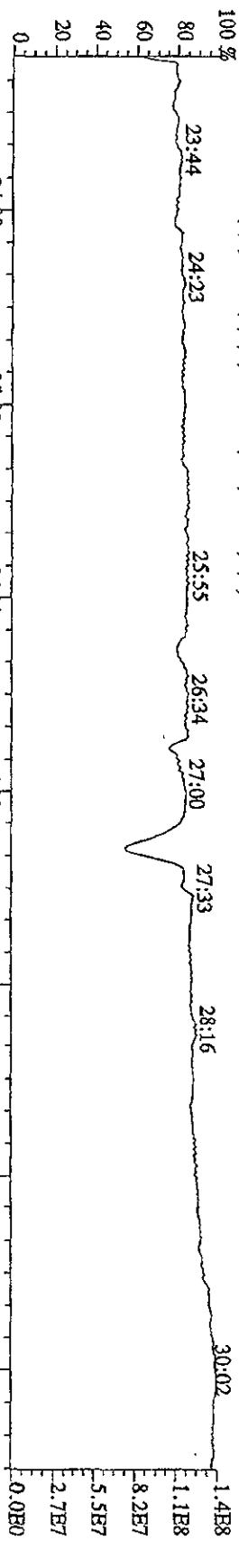
375.8364 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,100,00%,212,0,1,00%,F,T)



390.9792 S:7 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

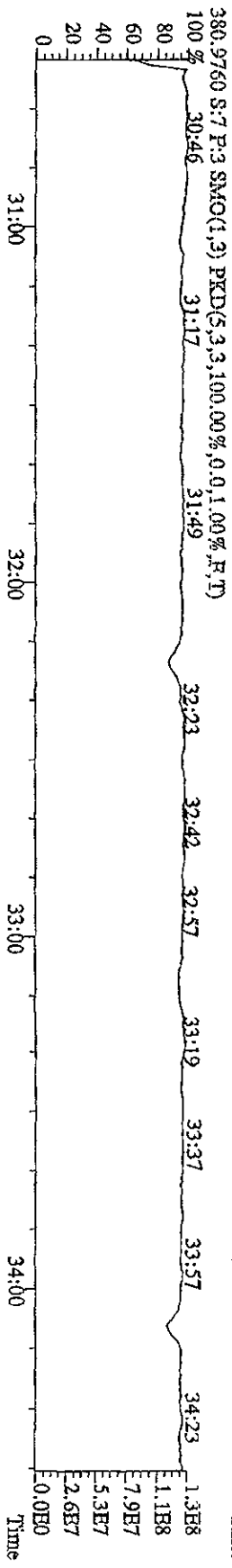
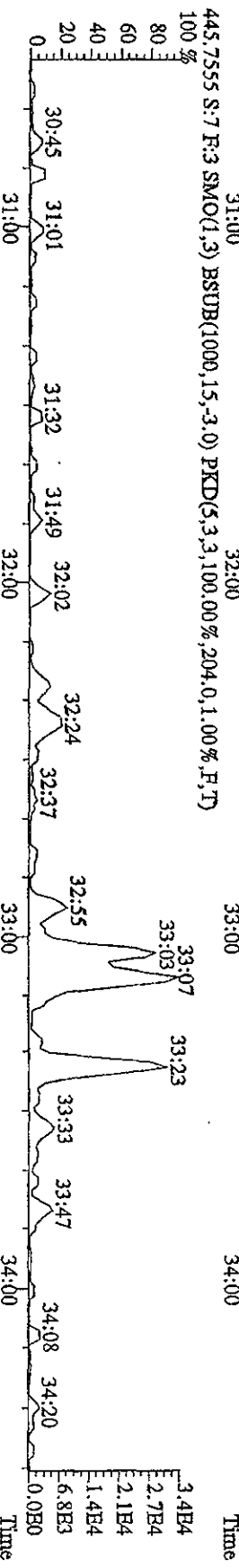
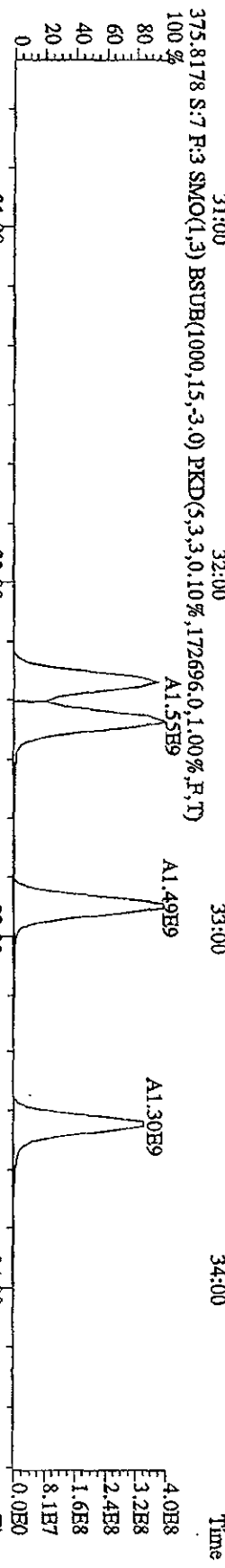
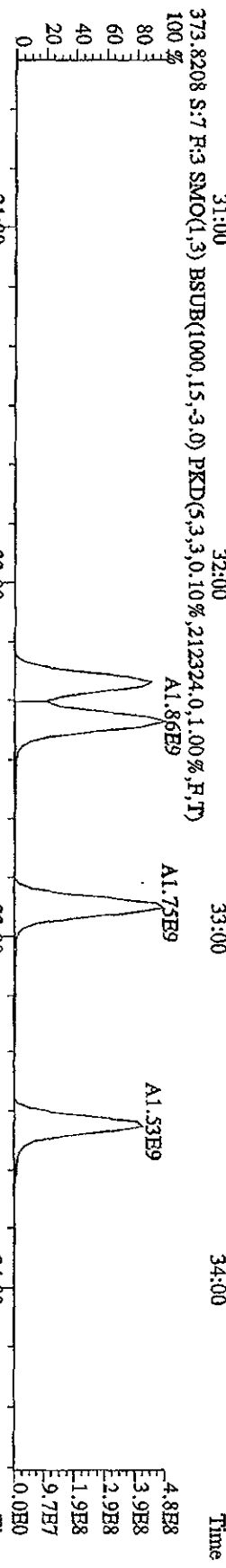
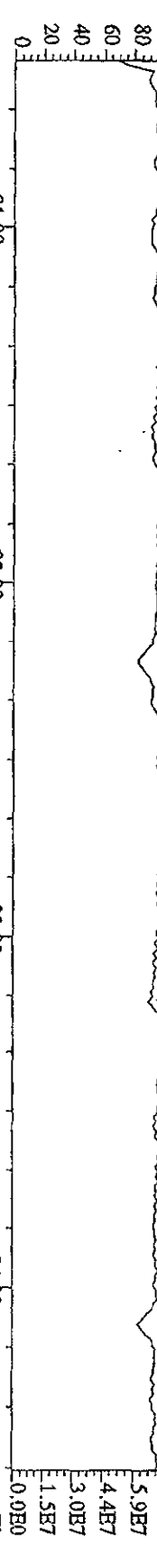


File:21JUL10AAD5 #1-469 Acq:21-JUL-2010 19:03:58 GC BI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXNRBS
 342.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,26980.0,1.00%,F,T)
 341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,13656.0,1.00%,F,T)
 409.7974 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,228.0,1.00%,F,T)

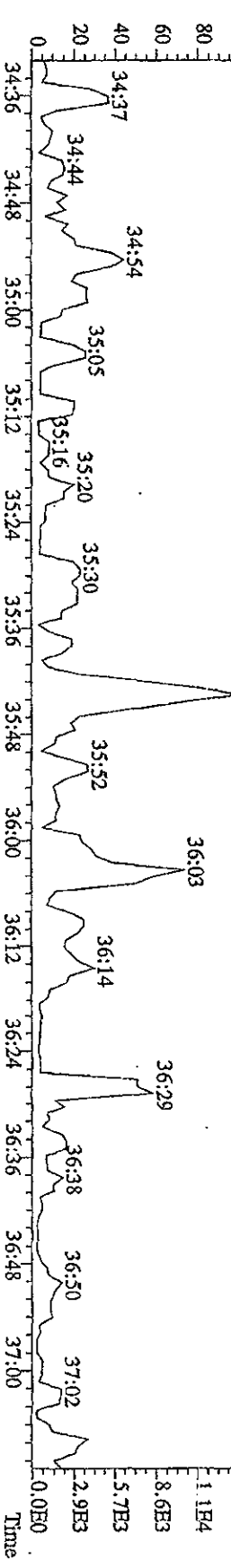
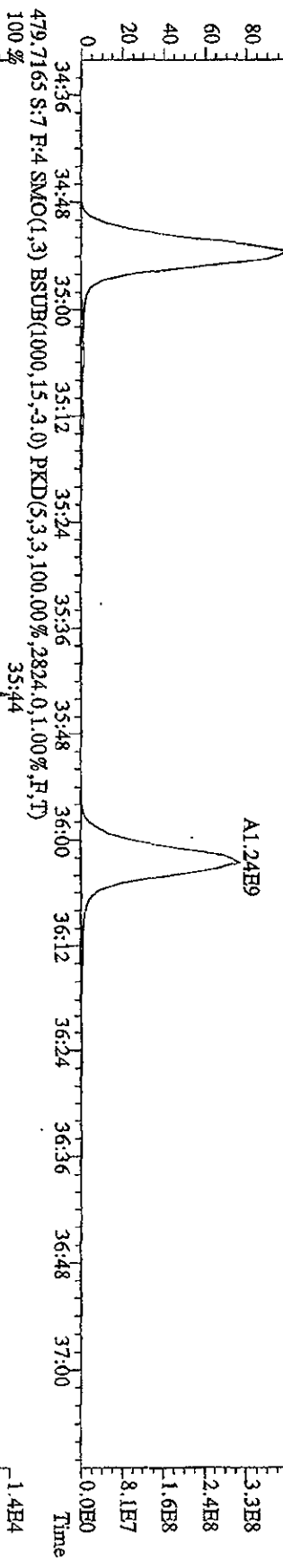
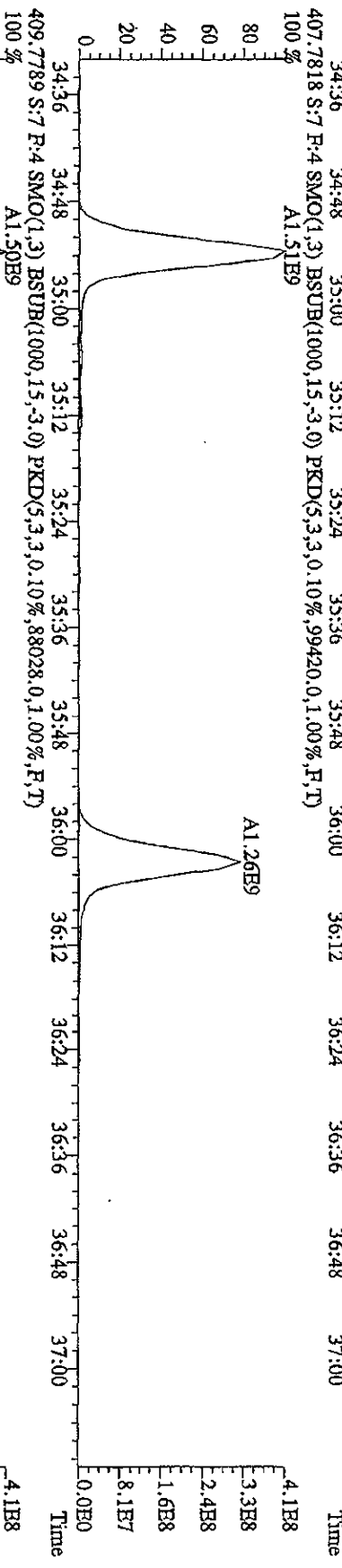
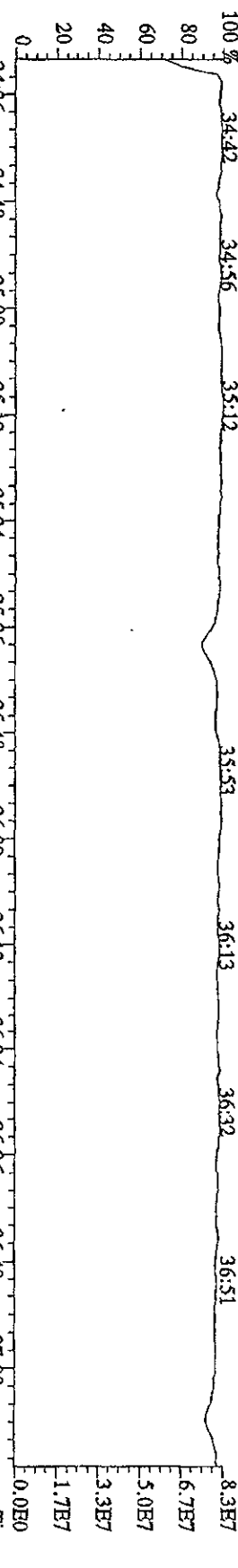


File: 211L10A4D5 #1-287 Acq: 21-JUL-2010 19:03:58 GC EI+ Voltage 57V Autospec-UltraB

Sample#7 Text: ST0721D : CS-5-10DXN339 Exp: DIOXINRES

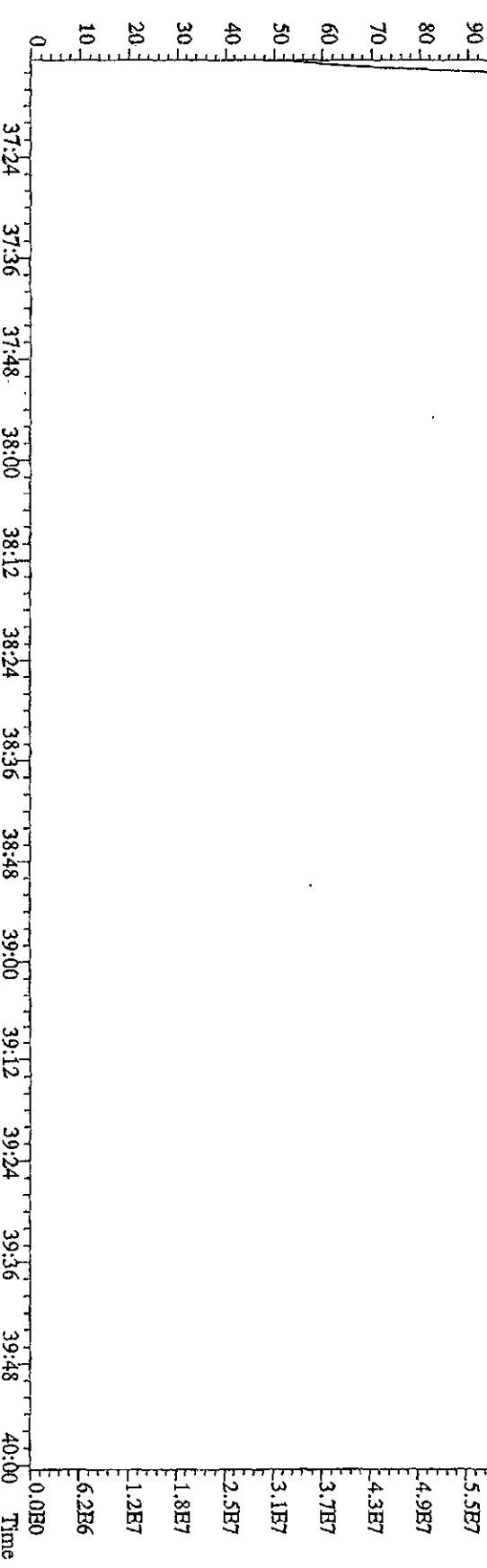


File:211L10A4D5 #1-201 Acq:21-JUL-2010 19:03:58 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:ST0721D :CS-5 10DXN339 Exp:DIOXINRES
 430.9728 S:7 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%

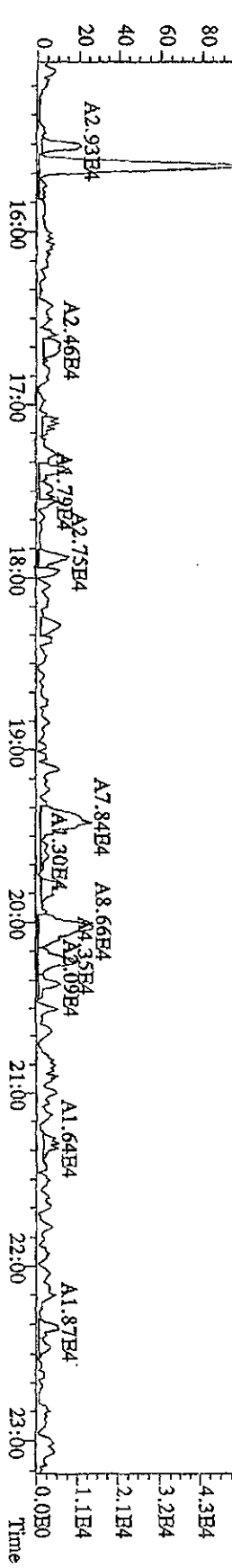
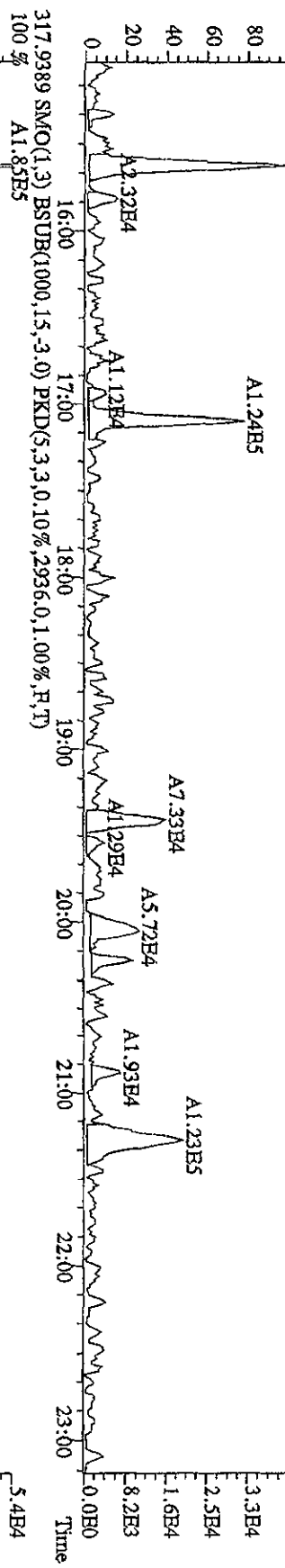
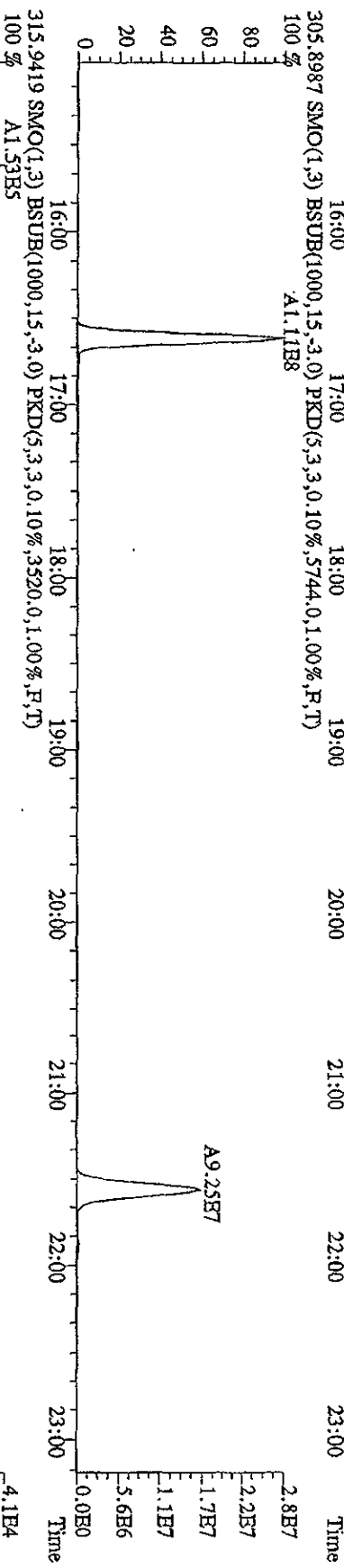


File: 21JUL10A4D5 #1-227 Acq: 21-JUL-2010 19:03:58 GC EI + Voltage SIR Autospec-UltimaB
 Sample#7 Text: ST0721D :CS-5 10DXN339 Exp: DIOXINRES
 454.9728 S.7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 37:18 37:41 38:01 38:13 38:28 38:42 39:08 39:24 39:34 39:43 39:54 6.2E7

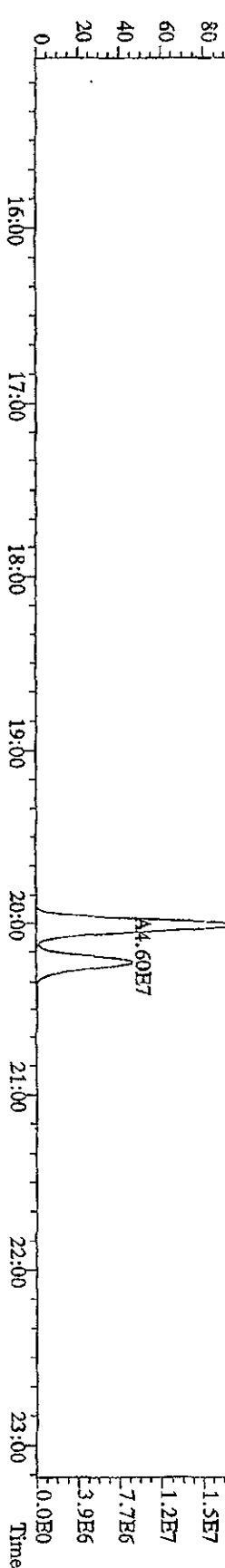
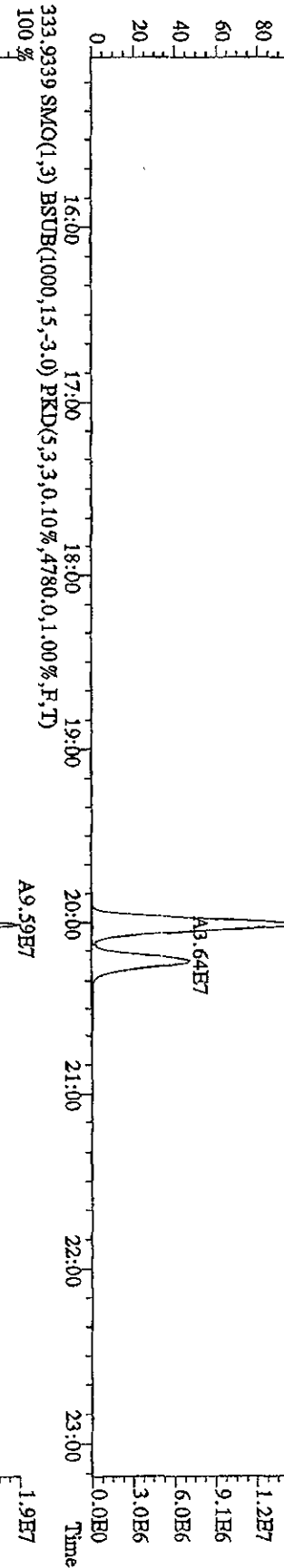
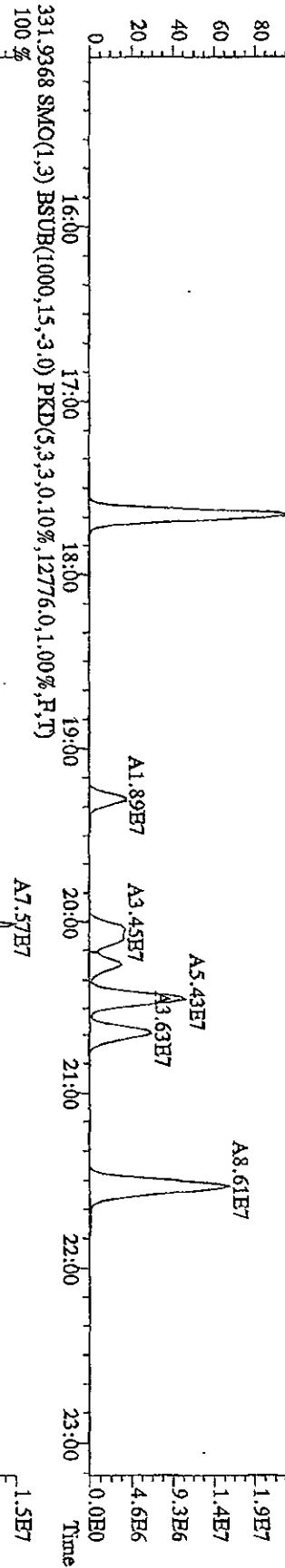
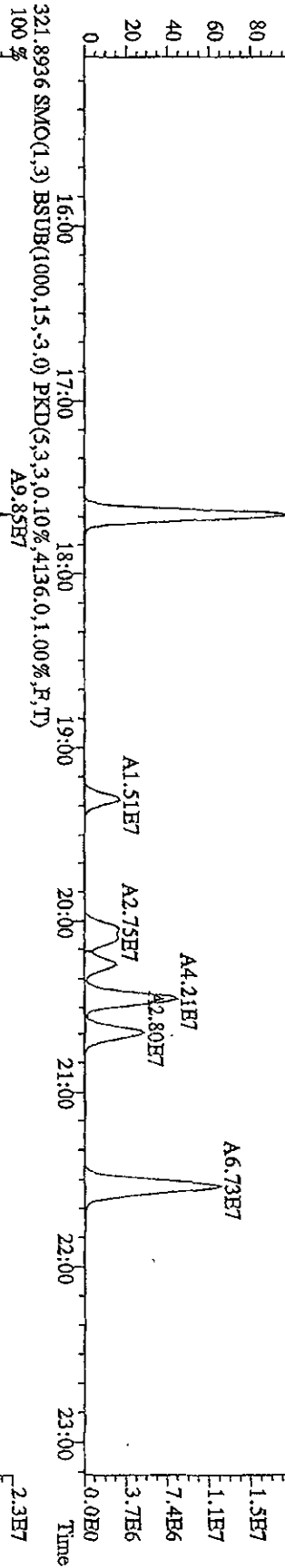
442.9728 S.7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 37:24 37:36 37:48 38:00 38:12 38:24 38:36 38:48 39:00 39:12 39:24 39:36 39:48 40:00 6.2E7



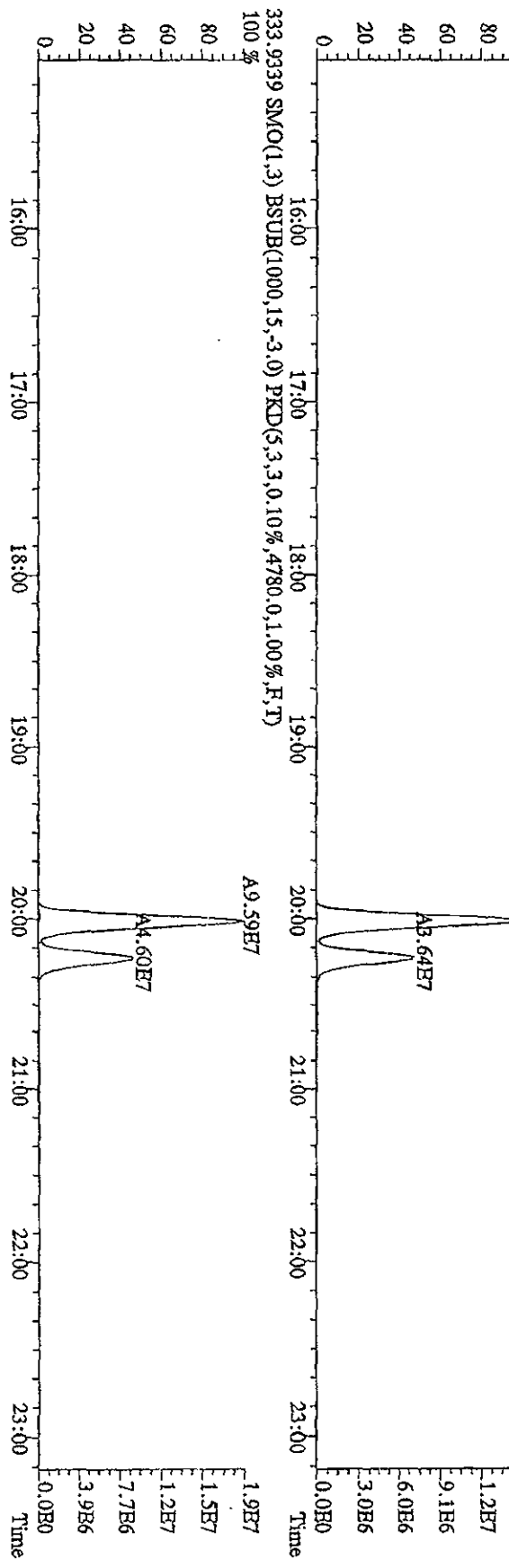
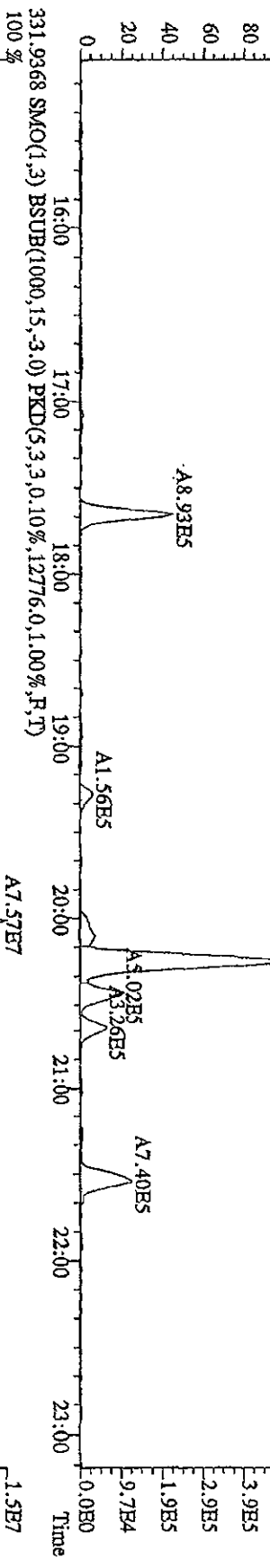
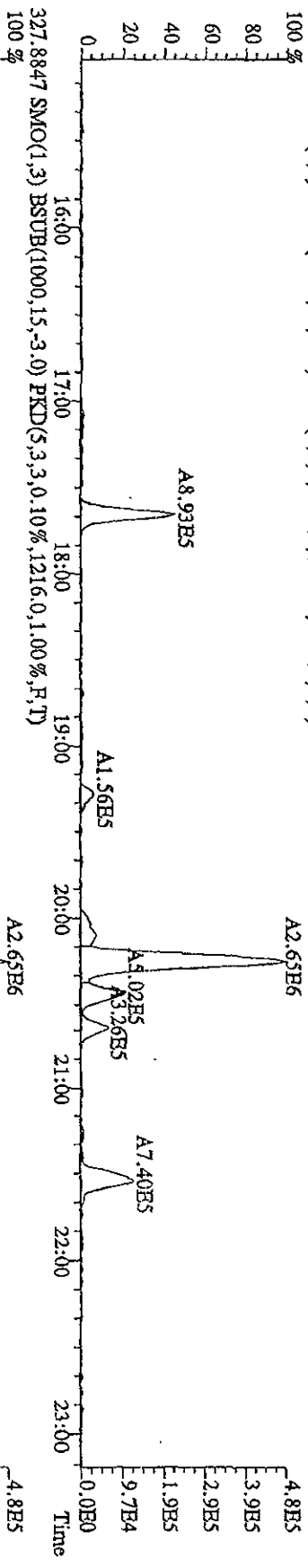
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 14:32:55 GC BI + Voltage SIR Autospec-UltraB
 Sample#1 Text: CP0721 :DB-5 CPSM 3732-08 Exp: DIOXINRES
 303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4200,0,1,00%,F,T)
 100%



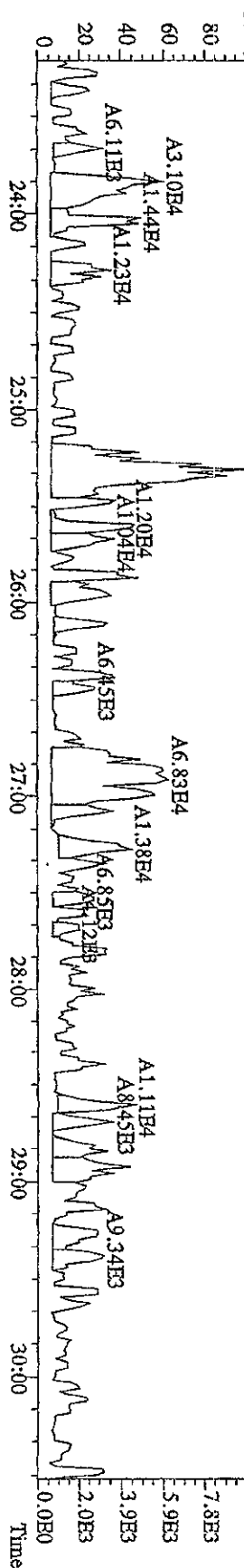
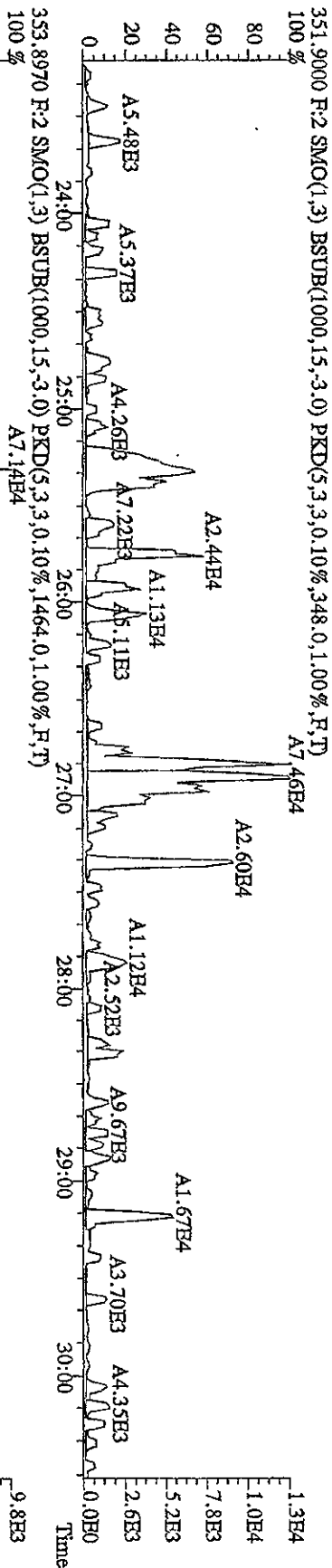
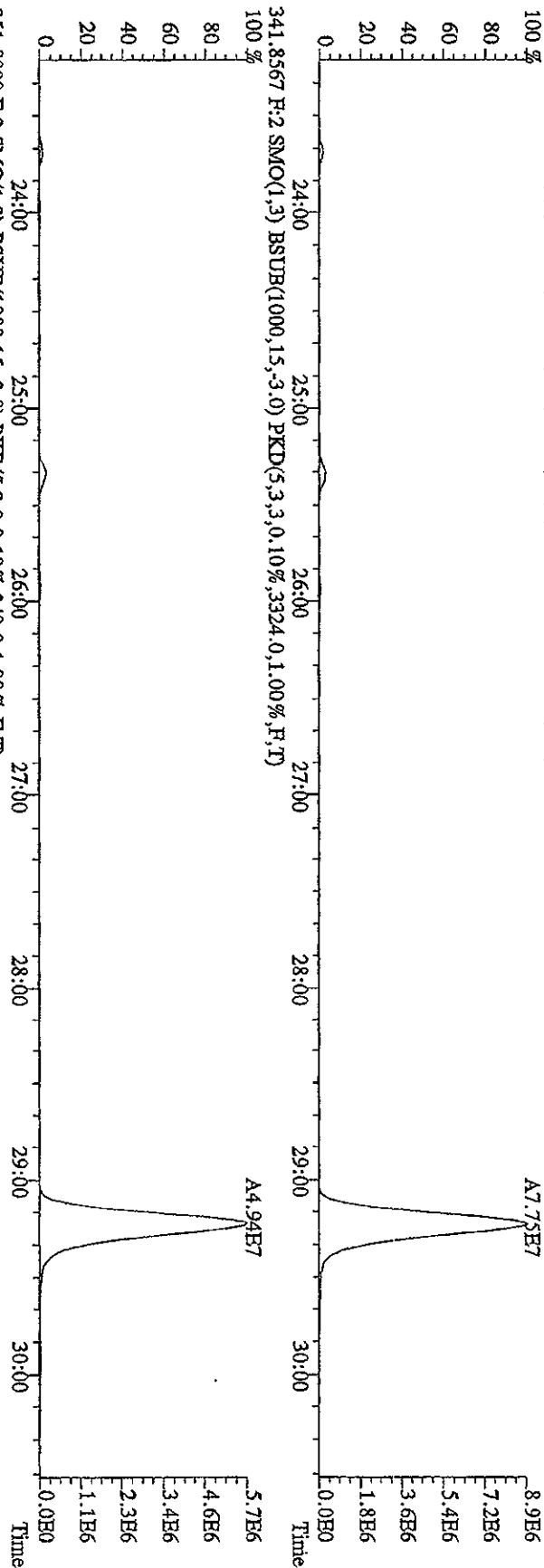
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 14:32:55 GC BI+ Voltage SIR Autospec-UltraAE
 Sample#1 Text: CP0721 : DB-5 CFSM 3732-08 Exp: DIOXINRES
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2940.0,1.00%,F,T)
 100% A7.84E7



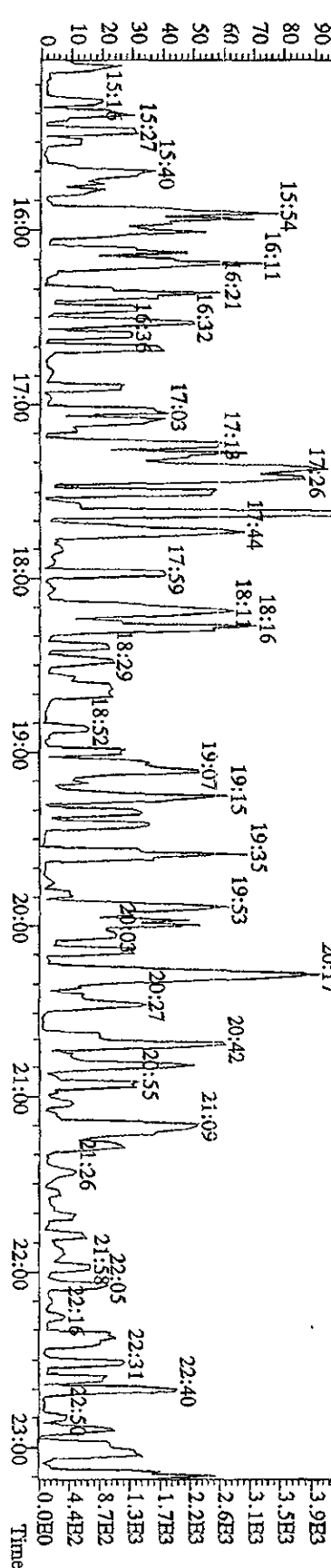
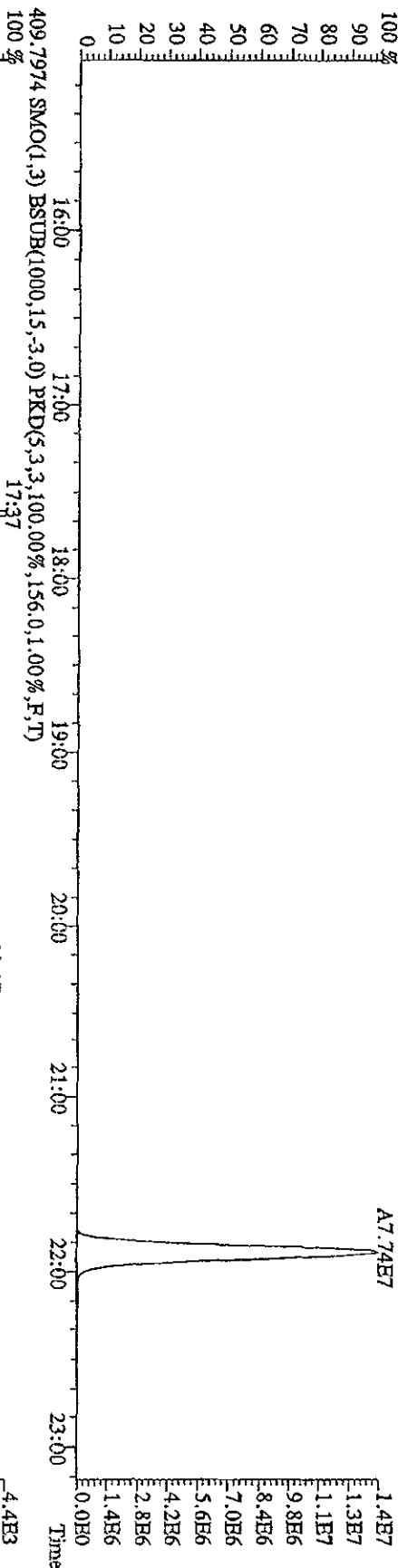
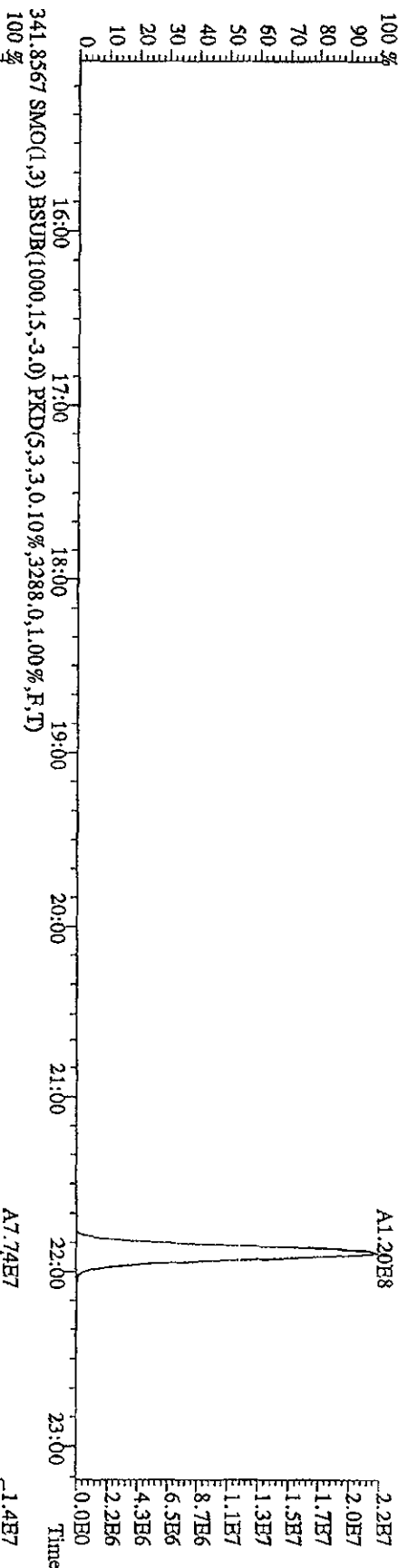
File:21JUL10A4D5 #1-541 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UtimaB
 Sample#1 Text:CP0721 :DB-5 CP5M 3732-08 Exp:DIOXINRES
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1216.0,1.00%,F,T)



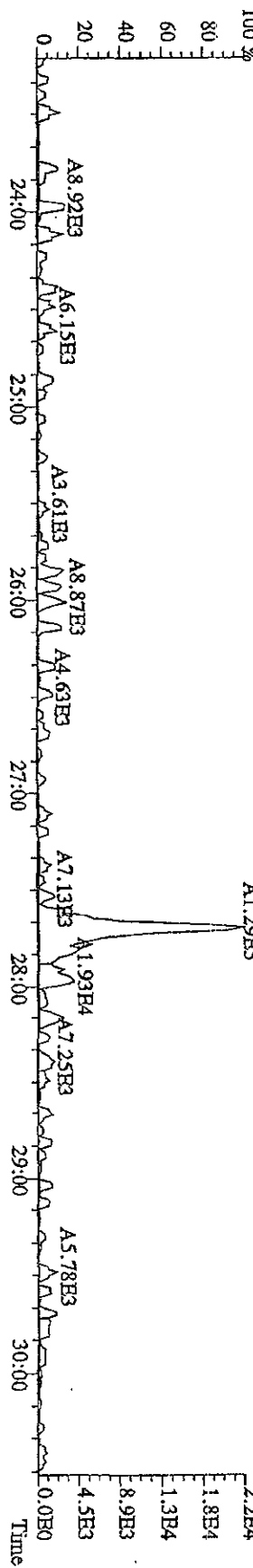
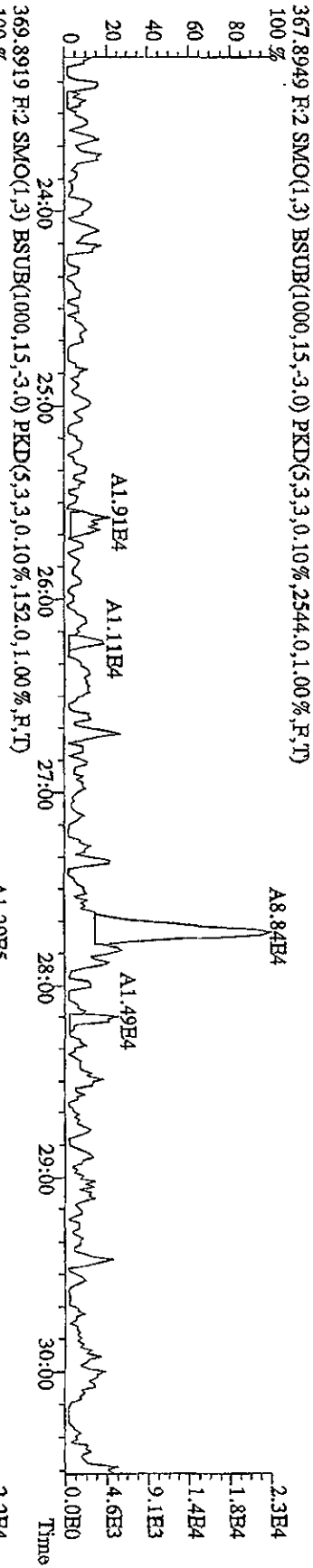
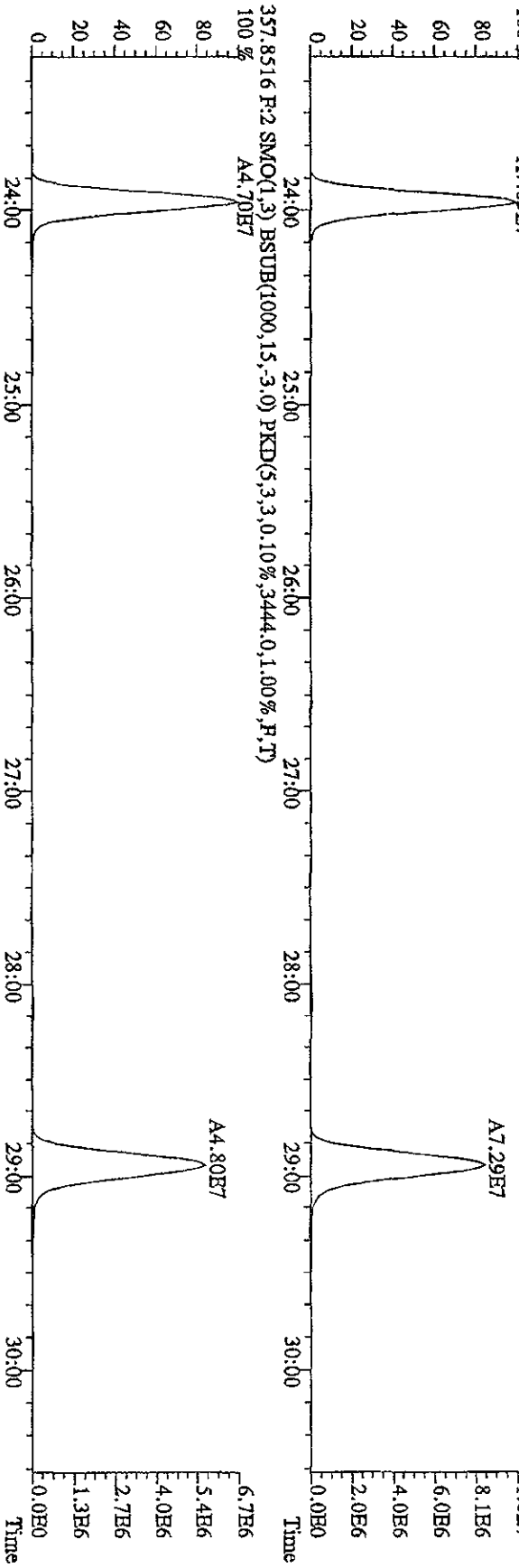
File:21JUL10A4D5 #1-470 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage:50V Autospec-UltimaB
 Sample#1 Text:CP0721 :DB-5 CP5M 3732-08 Exp:DIOXINRES
 339.8597 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2832,0,1,00%,F,T)



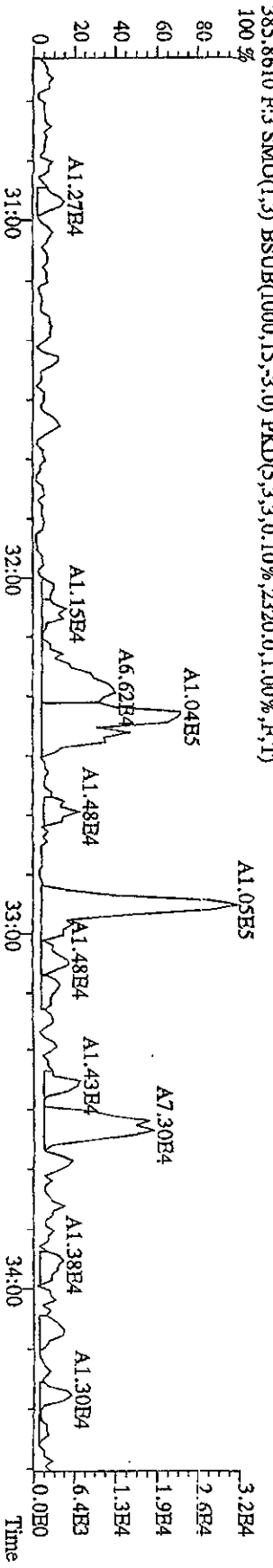
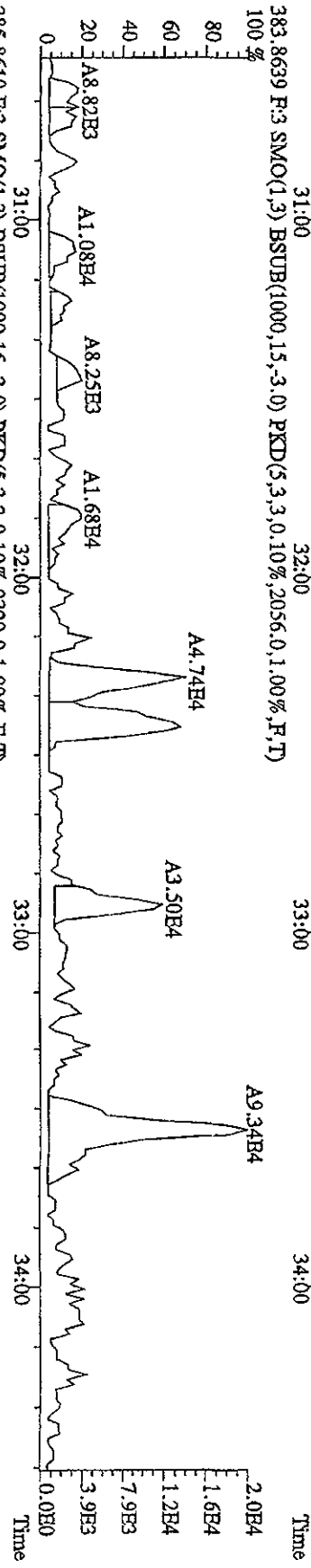
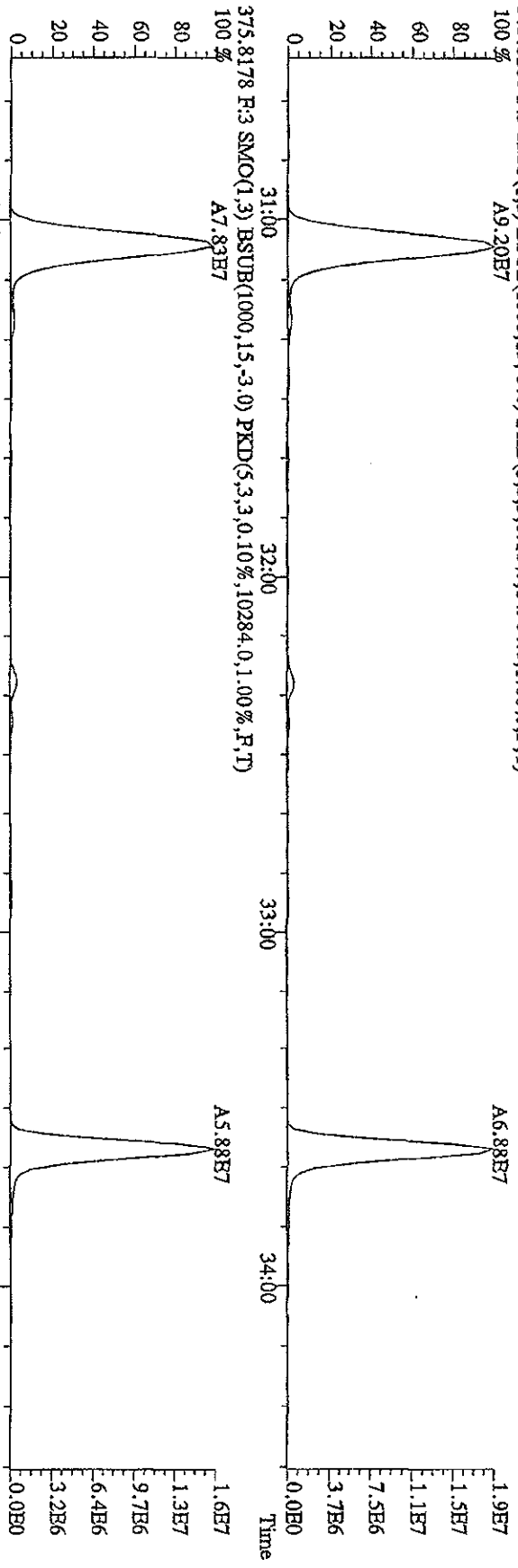
File:21JL10A4D5 #1-541 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage:SDR Autospec-UltimaB
 Sample#1 Text:CP0721 :DB-5 CPM 3732-08 Exp:DIOXINRES
 339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2180,0,1,00%,F,T)



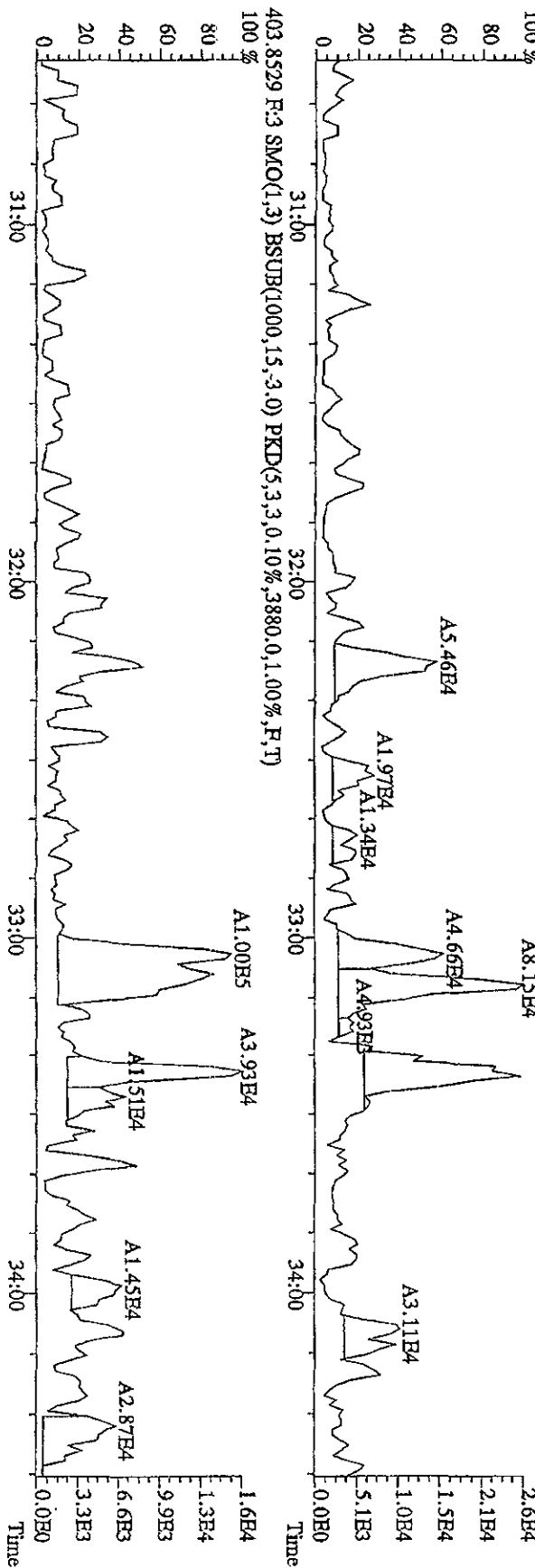
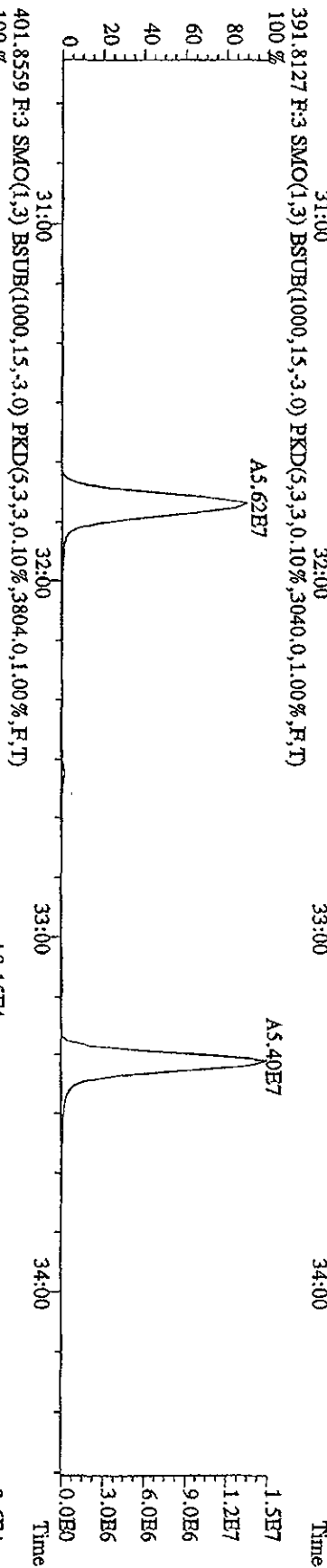
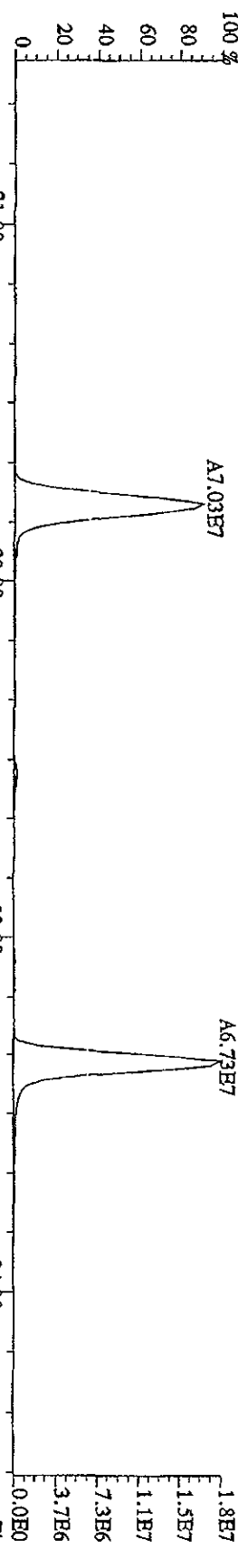
File:21JUL10A4D5 #1.470 Acq:21-JUL-2010 14:32:55 GC BI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0721 :DB-5 CP5M 3732-08 Exp:DIOXINRES
 357.8516 F:2 SMO(1,3) BSTUB(1000,15,-3.0) PKD(5,3,3,0.10%,3444,0.1,0.00%,F,T)
 100 % A7.03E7



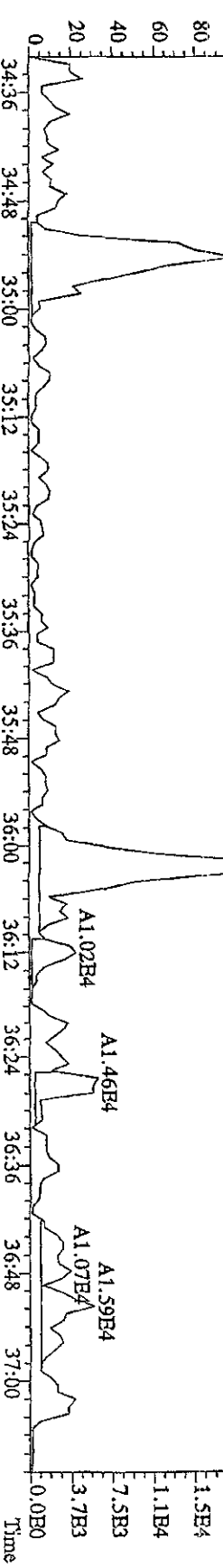
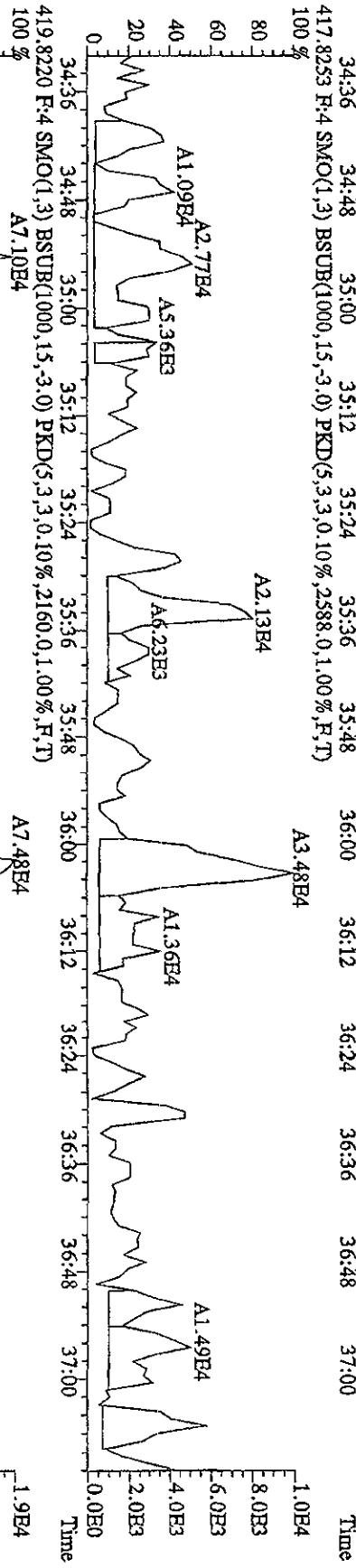
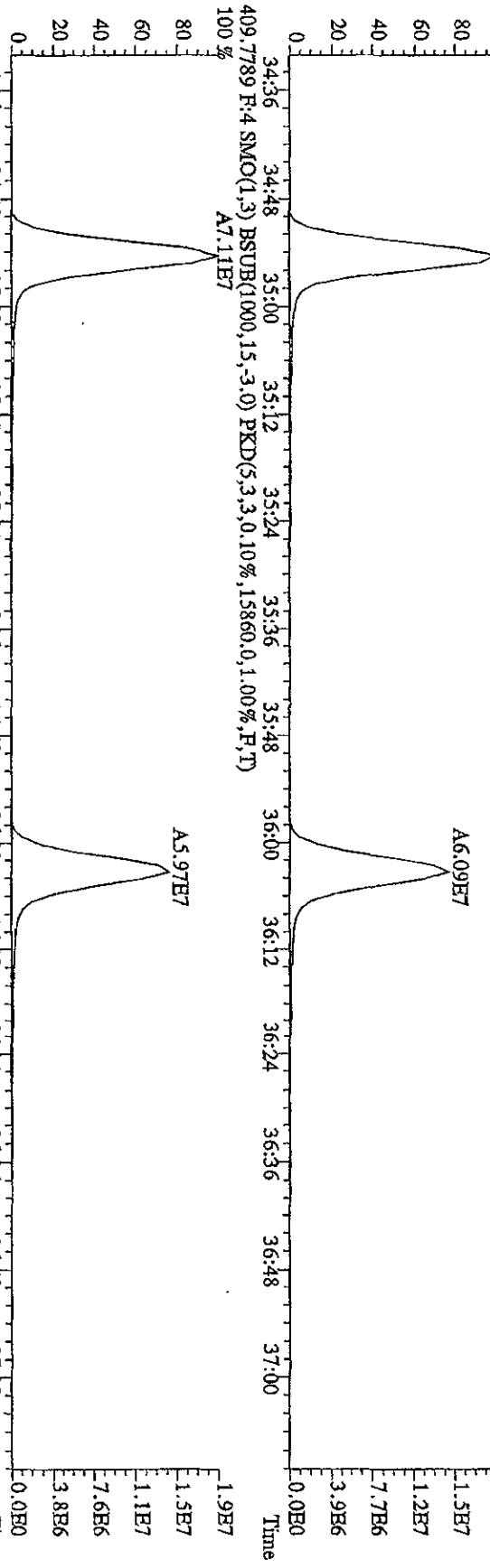
File: 211L1044D5 #1-286 Acq: 21-JUL-2010 14:32:55 GC EI + Voltage SIR Autospec-UltimaB
 Sample#1 Text: CP0721 :DB-5 CPSM 3732-08 Exp: DIOXINRBS
 375.8208 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,14964,0,1,00%,F,T)
 100%



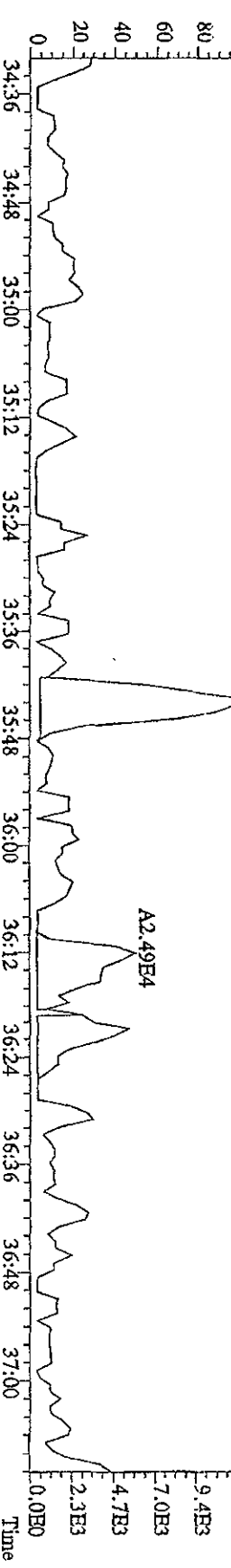
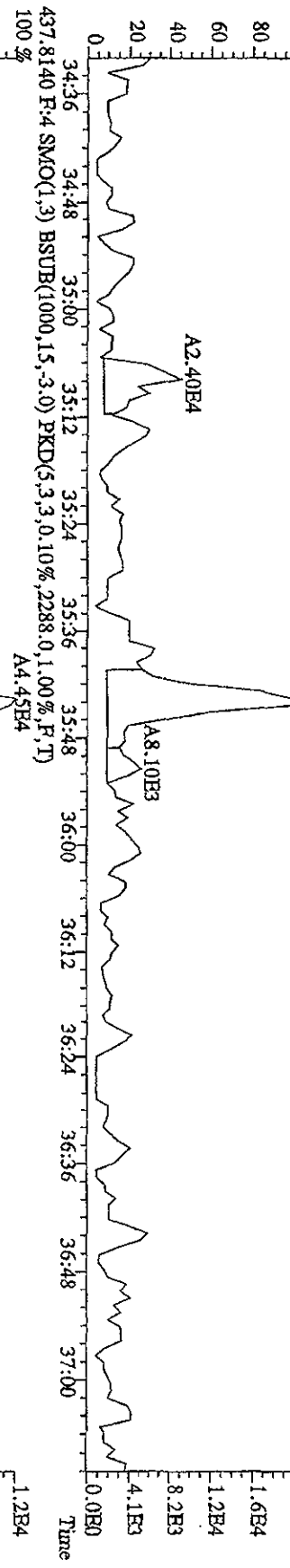
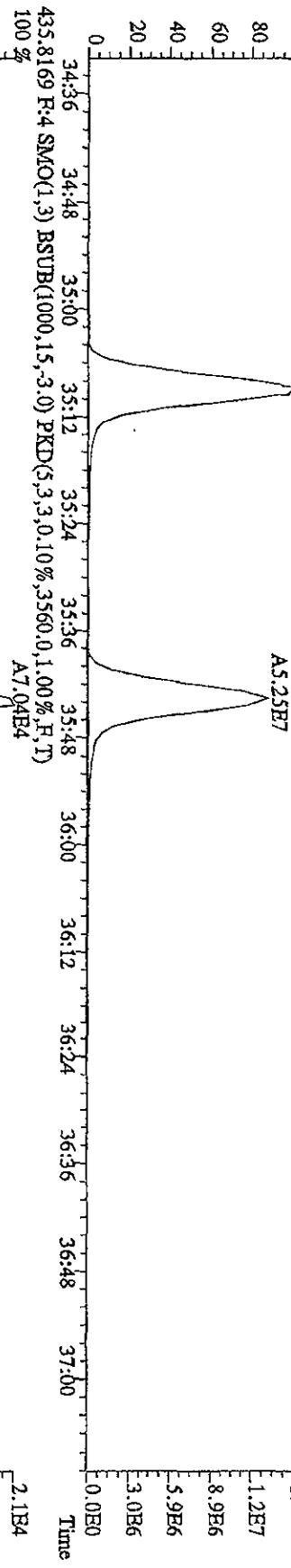
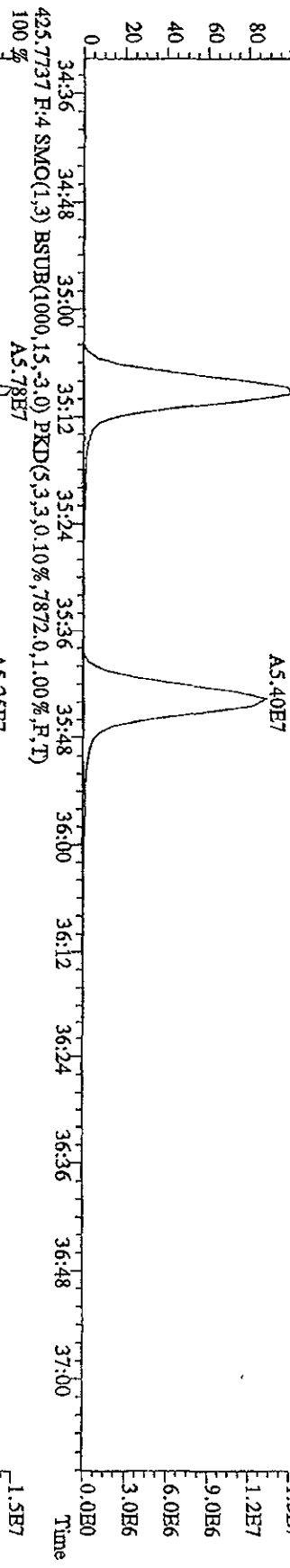
File: 21JL10A4D5 #1-286 Acq: 21-JUL-2010 14:32:55 GC EI+ Voltage: SIR Autospec-Ultimah
 Sample#1 Text: CP0721 :DB-5 CPSM 3732-08 Exp: DIOXINRES
 389.8157 F:3 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3.0,10%,5064.0,1.00%,F,T)



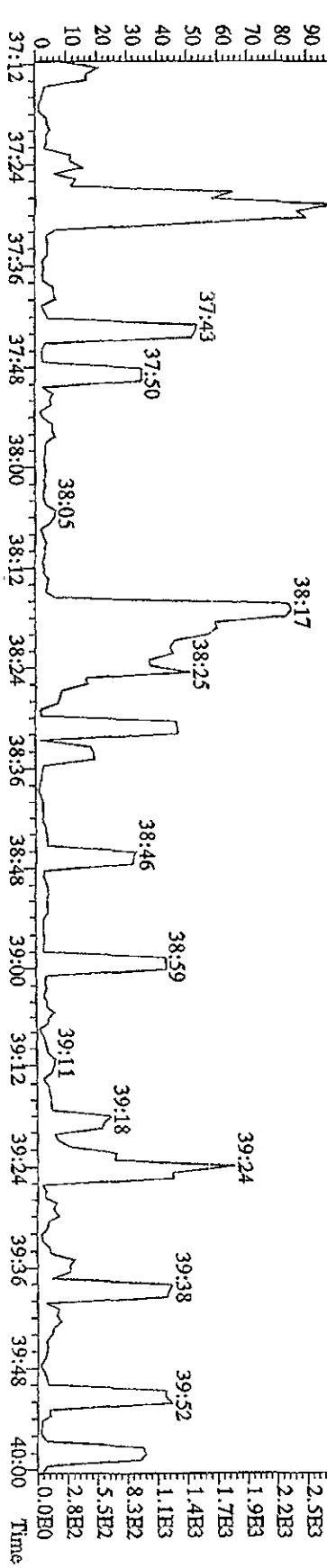
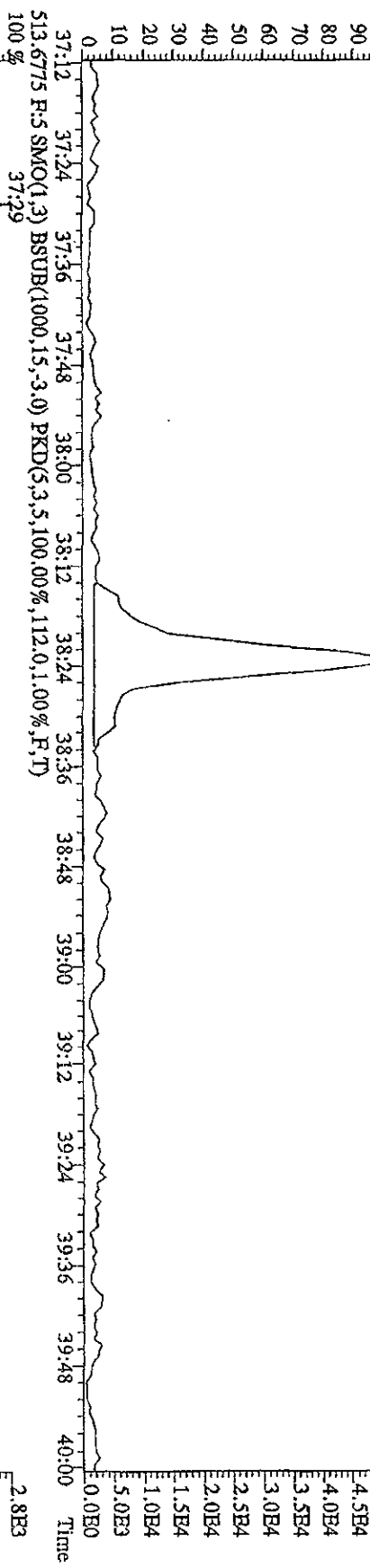
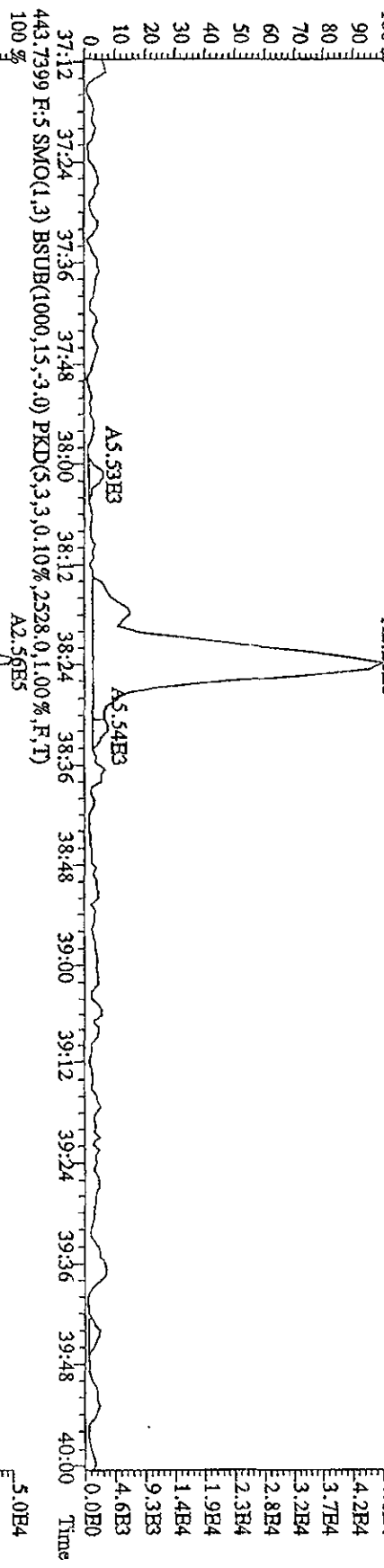
File:21JL10A4D5 #1-200 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#1 Text:CP0721 :DB-5 CP/SM 3732-08 Exp:DIOXINRES
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.5860,0.1,0.00%,F,T)
 100% A7.25E7



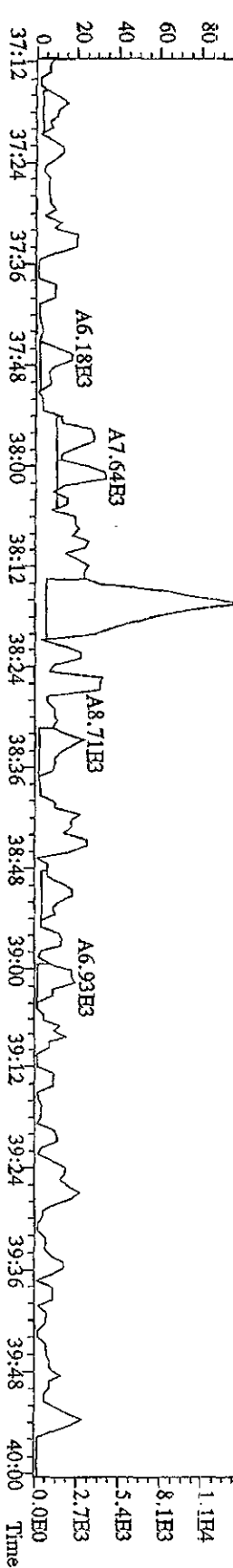
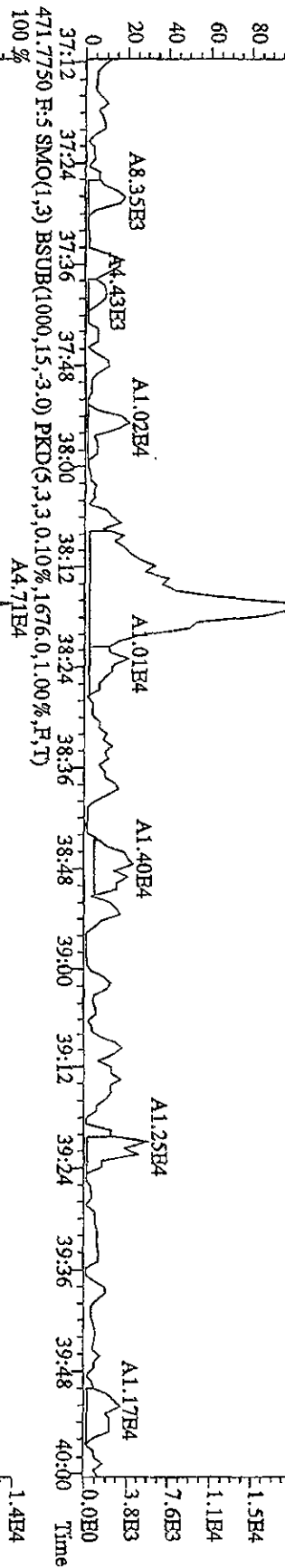
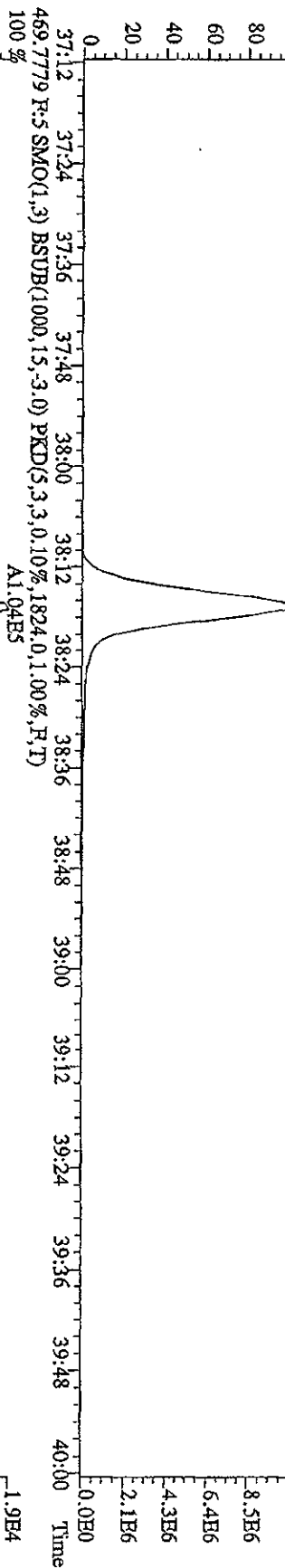
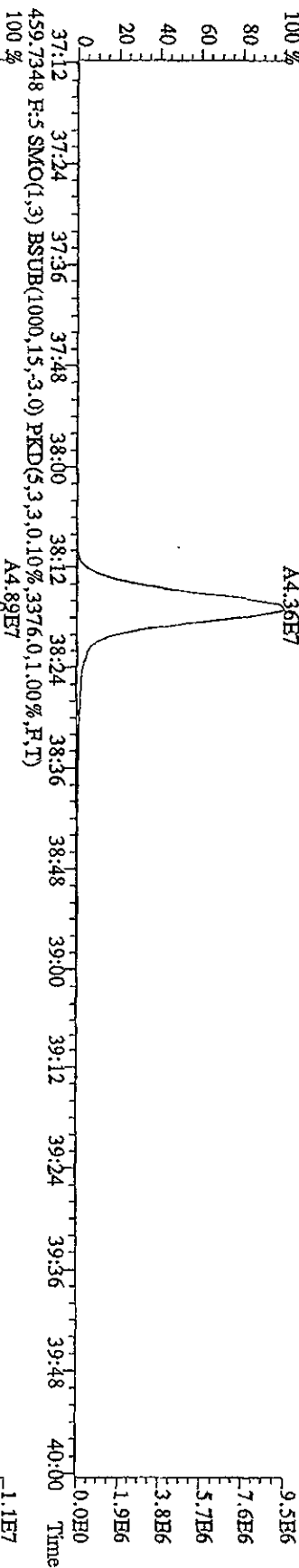
File: 21JUL10A4D5 #1-200 Acq: 21-JUL-2010 14:32:55 GC BI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text: CP0721 :DB-5 CRSM 3732-08 Exp: DIOXINRES
 423.7766 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5372.0,1.00%,F,T)
 100%



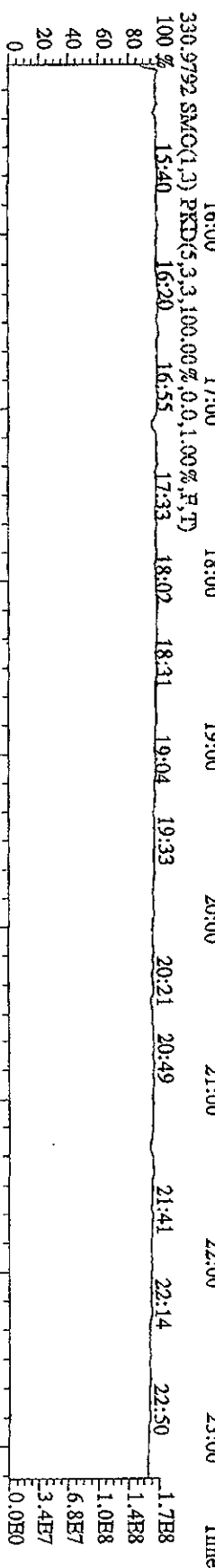
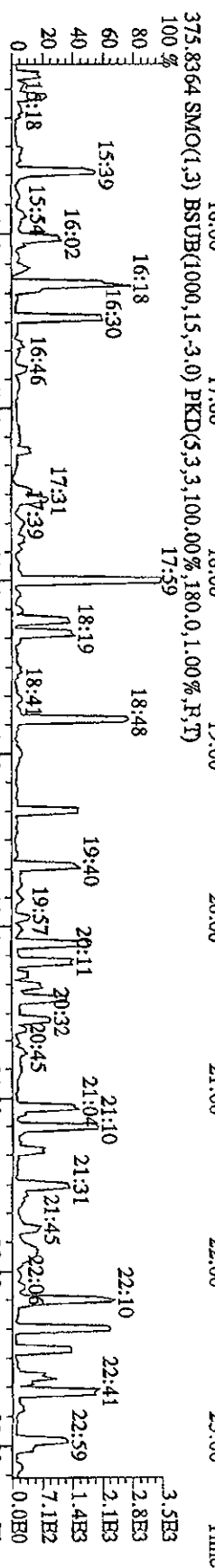
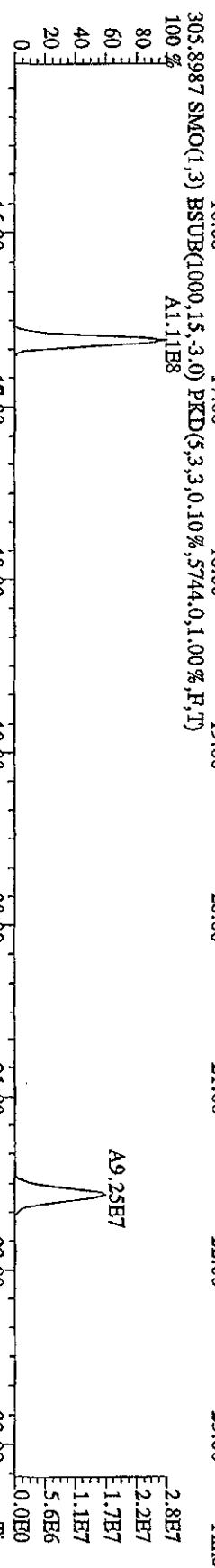
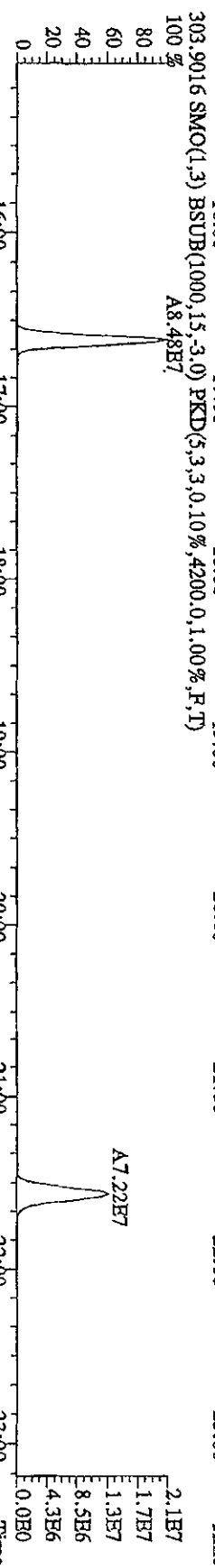
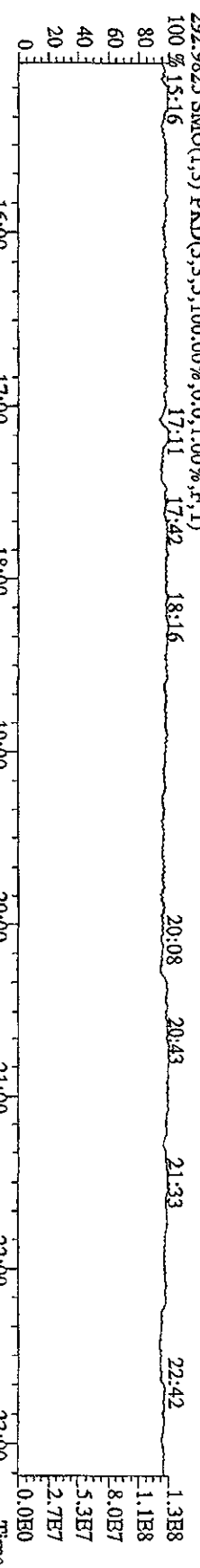
File: 21JUL10A4D5 #1-228 Acq: 21-JUL-2010 14:32:55 GC EI+ Voltage: 51V Autospec-UltimaB
 Sample#1 Text: CP0721 : DB-5 CPSM 3732-08 Exp: DIOXINRES
 441.7428 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1744,0,1,00%,F,T)
 100% A2.26E5



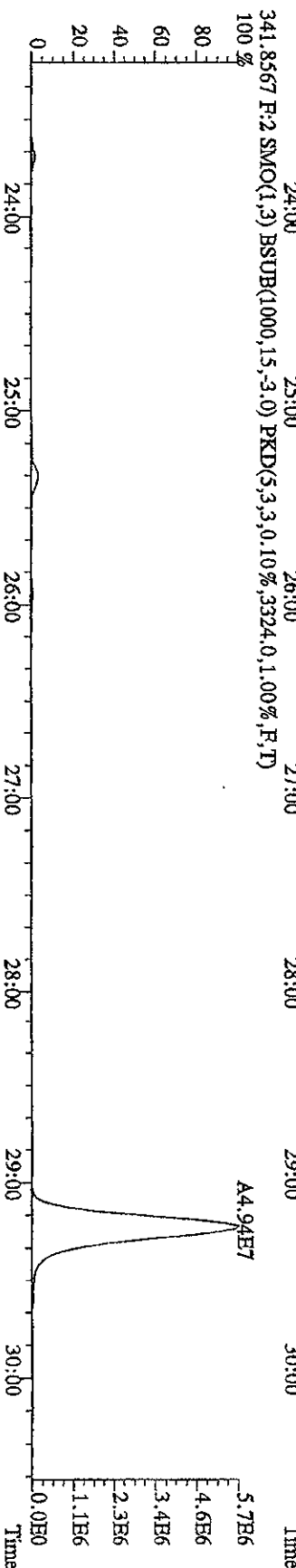
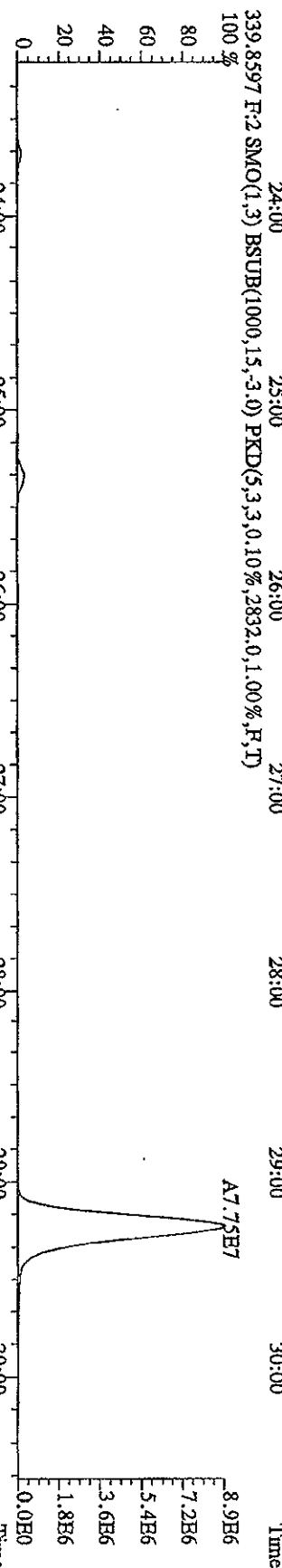
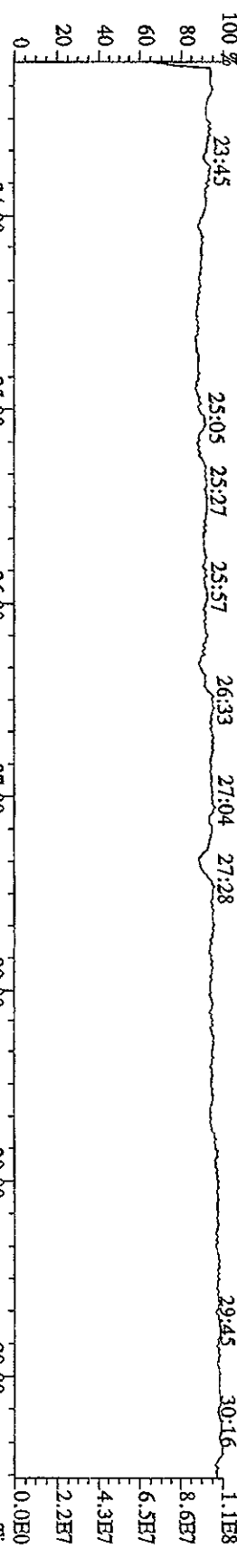
File:211110AADD5 #1-228 Acq:21-JUL-2010 14:32:55 GC HF+ Voltage STR Autospec-UltimaE
 Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES
 457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1592.0,1.00%,F,T)
 100% A4.36E7



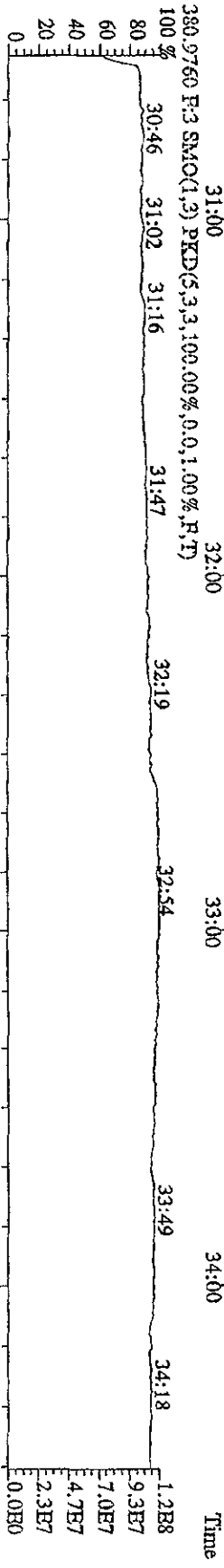
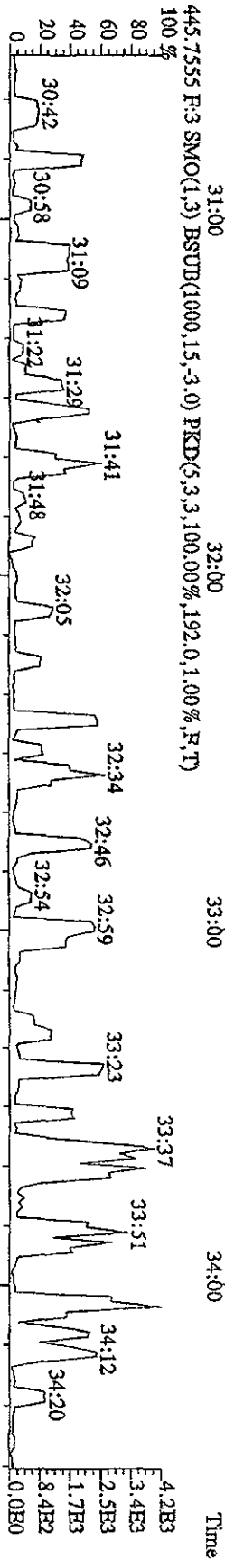
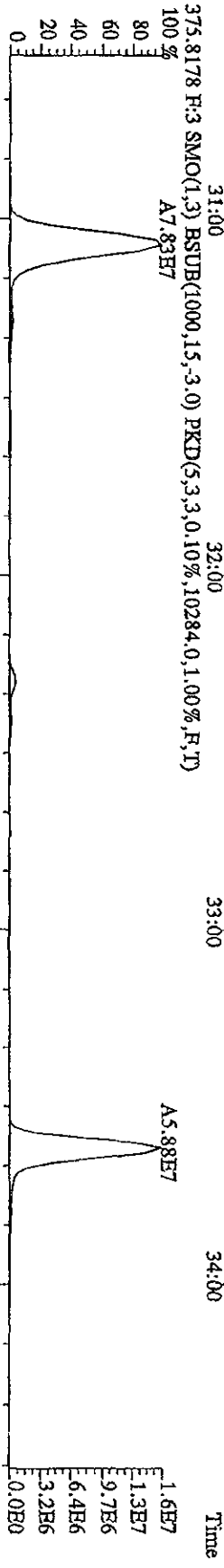
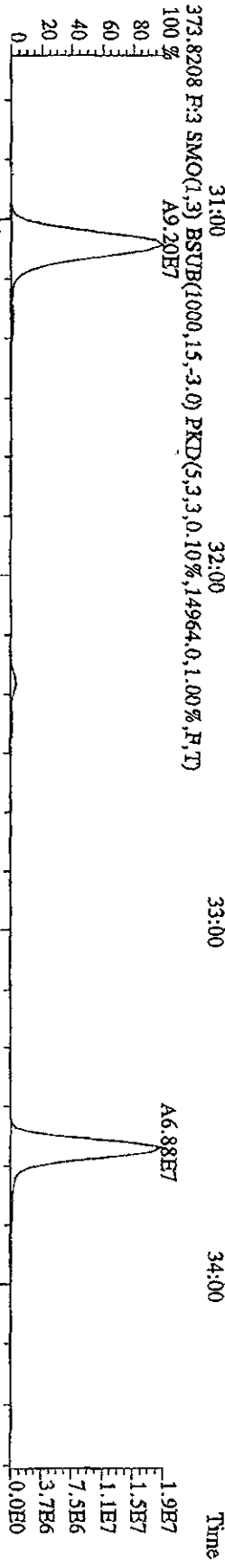
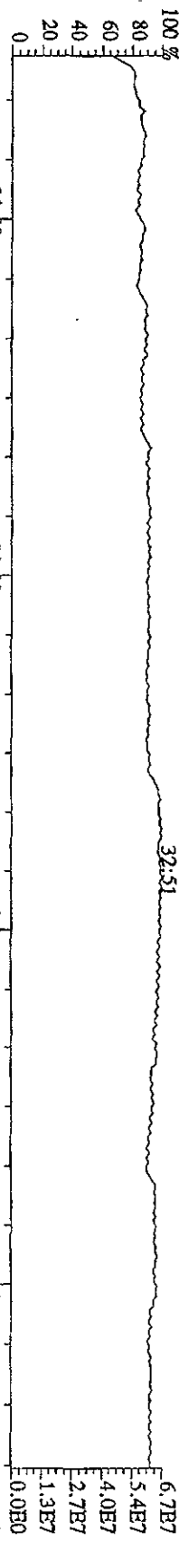
File: 21JUL10AAD5 #1-541 Acq: 21-JUL-2010 14:32:55 GC FI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text: CP0721 : DB-5 CP5M 3732-08 Exp: DIOXINRES



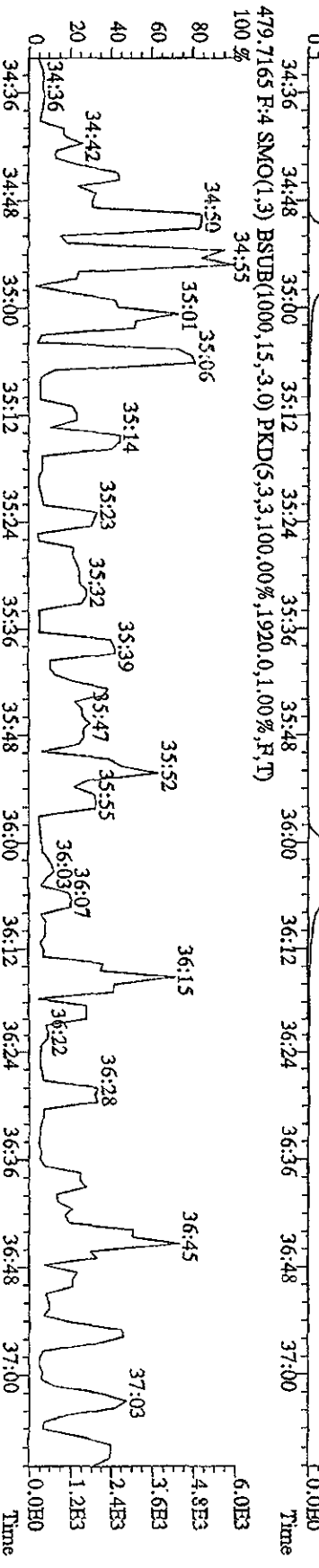
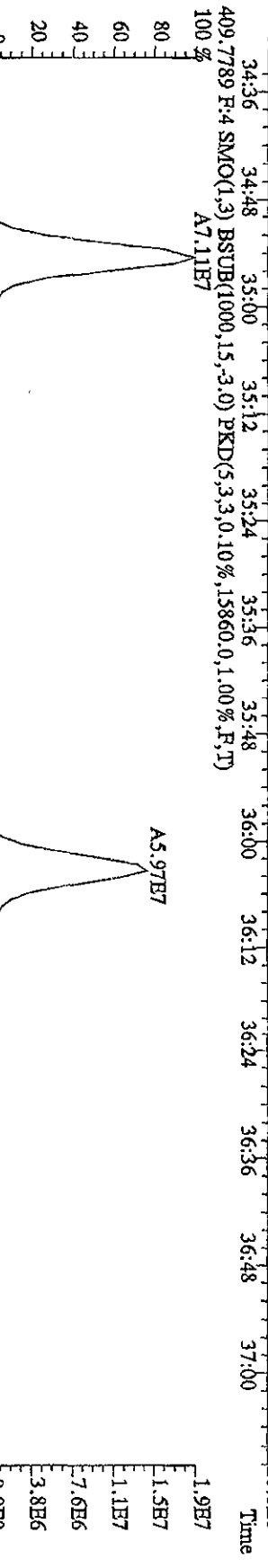
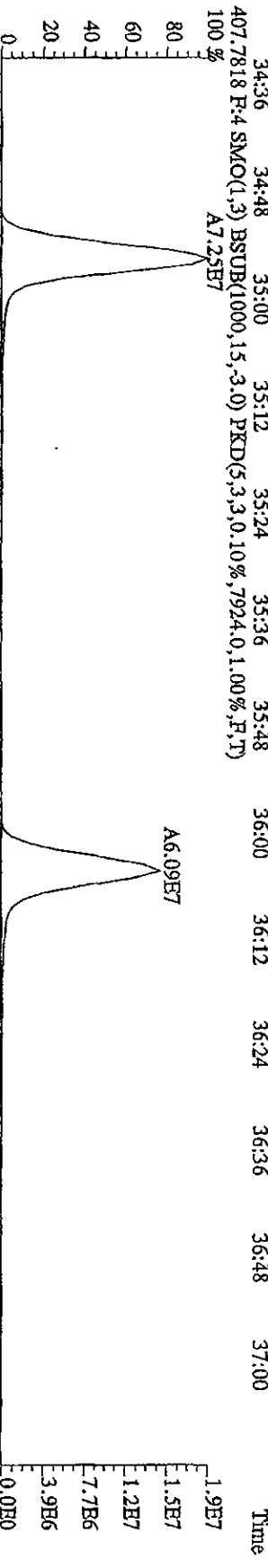
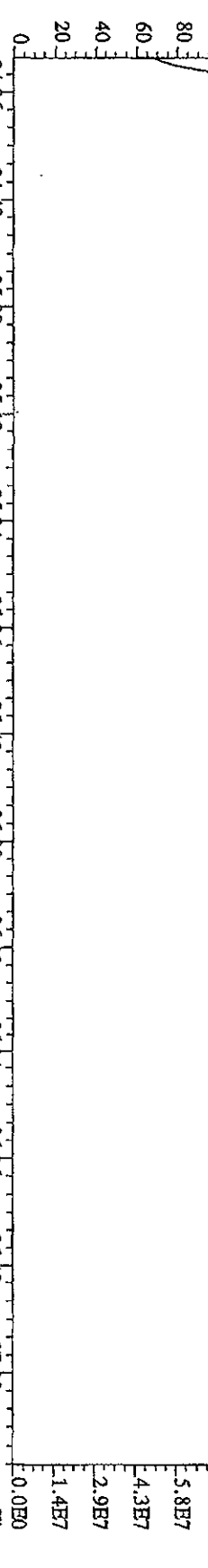
File: 211110A4D5 #1-470 Acq: 21-JUL-2010 14:32:55 GC EI+ Voltage: SIR Autospec-UltimaB
 Sample#1 Text: CP0721 :DB-5 CPSM 3732-08 Exp: DIOXINRES



File:211110A4D5 #1-286 Acq:21-JUL-2010 14:32:55 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0721 :DB-5 CP5M 3732-08 Exp:DIOXINRES
 392.9760 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%



File: 21JUL10A4D5 #1-200 Acq: 21-JUL-2010 14:32:55 GC HI + Voltage SIR Autospec-Ultimate
 Sample#1 Text: CP0721 :DB-5 CP5M 3732-08 Exp: DIOXINRES
 430.9728 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)
 100% 34:36 35:13 35:26 35:44 35:55 36:14 36:22 36:40 36:51 37:01

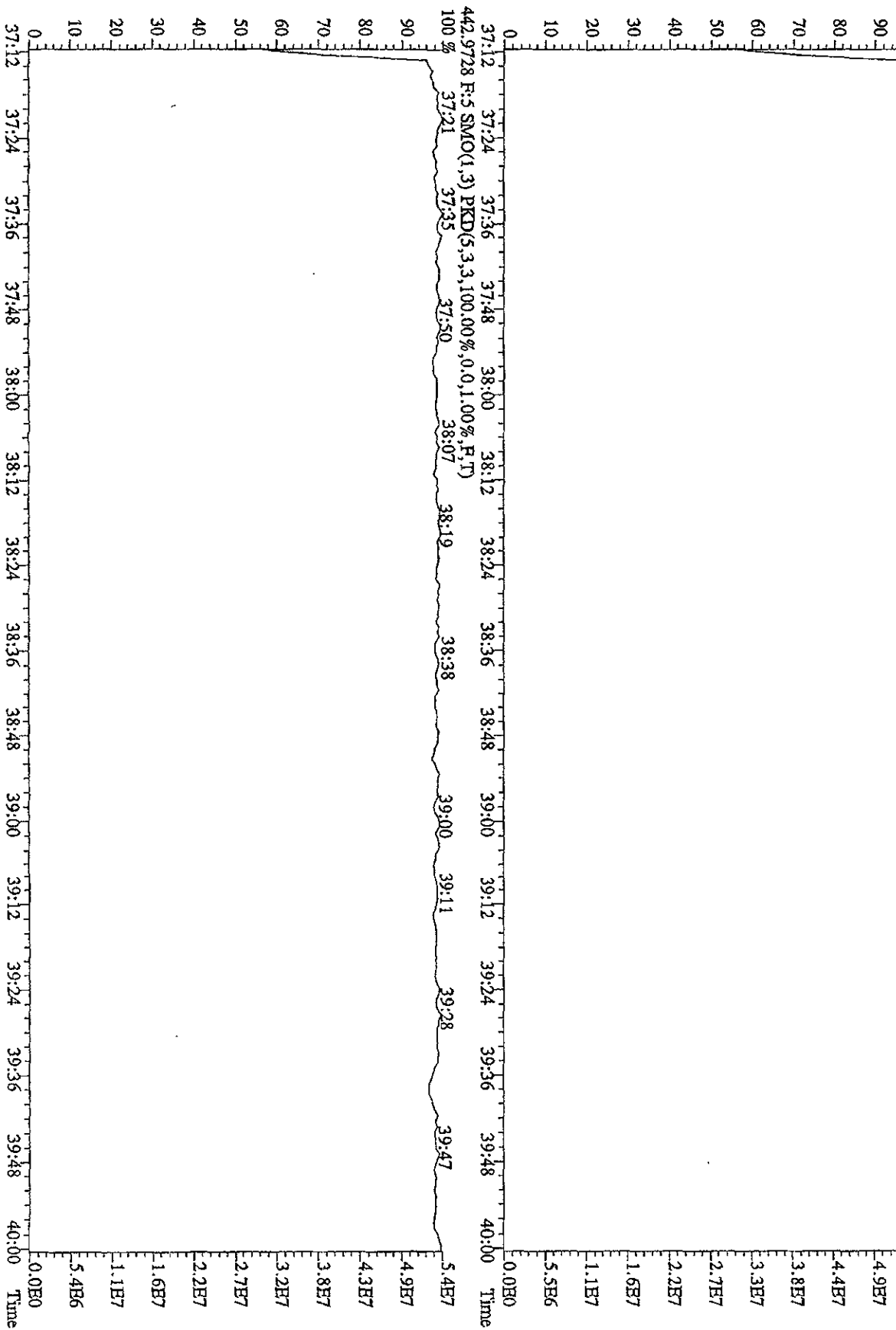


File:211J10A4D5 #1-228 Acq:21-JUL-2010 14:32:55 GC EL+ Voltage:50V Autospec-Ultimate

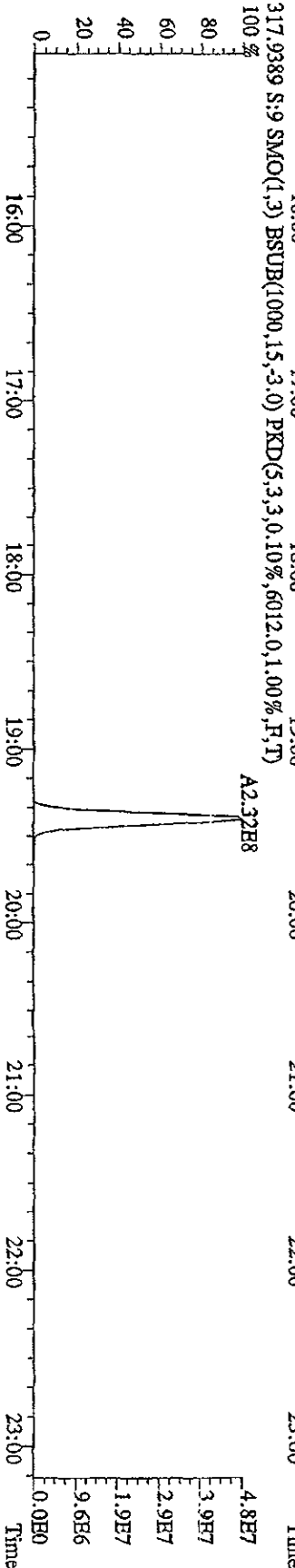
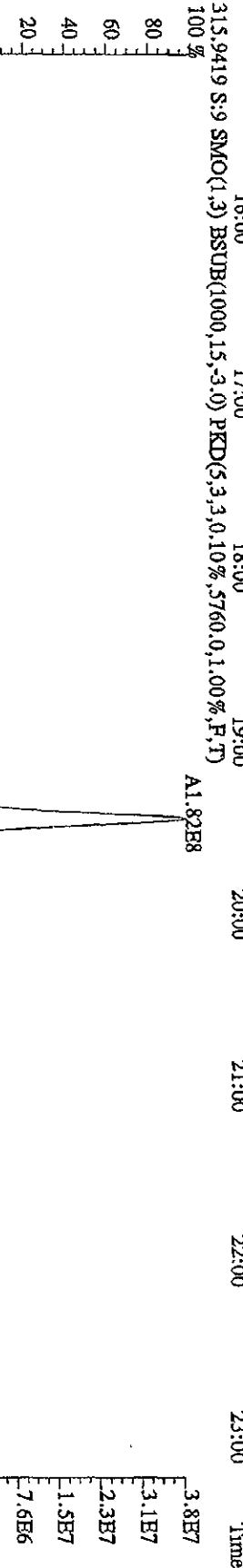
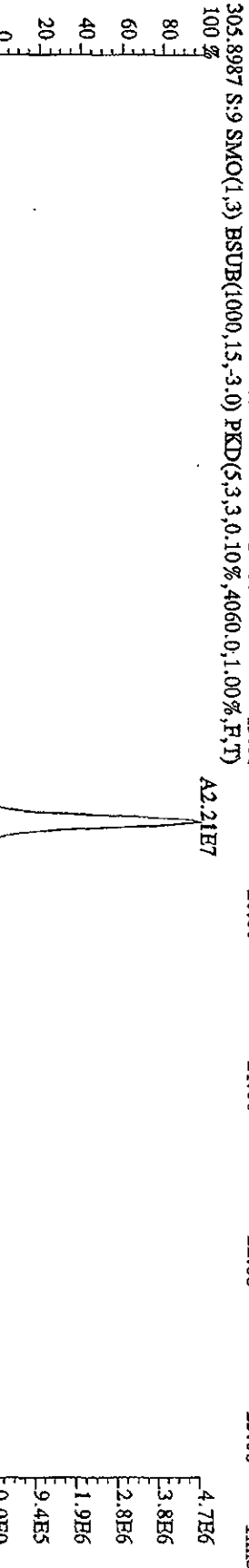
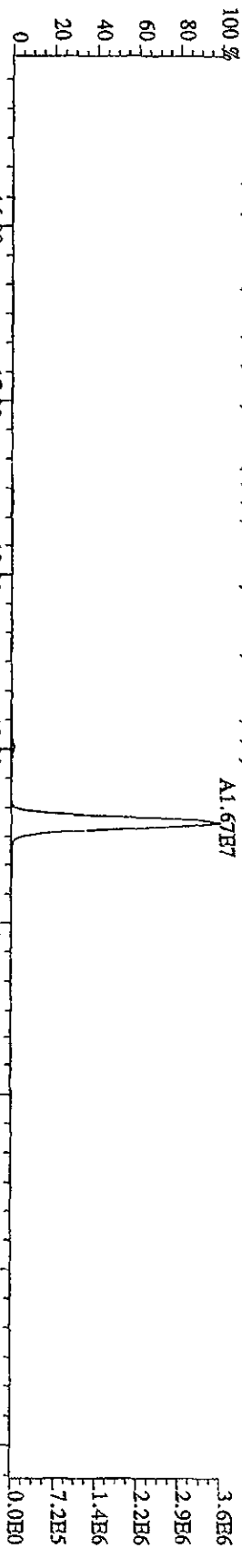
Sample#1 Text:CP0721 :DB-5 CPSM 3732-08 Exp:DIOXINRES

454.9728 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

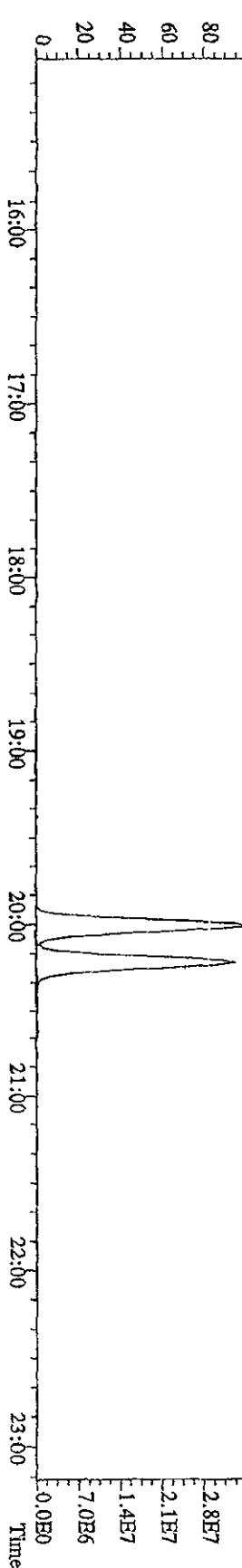
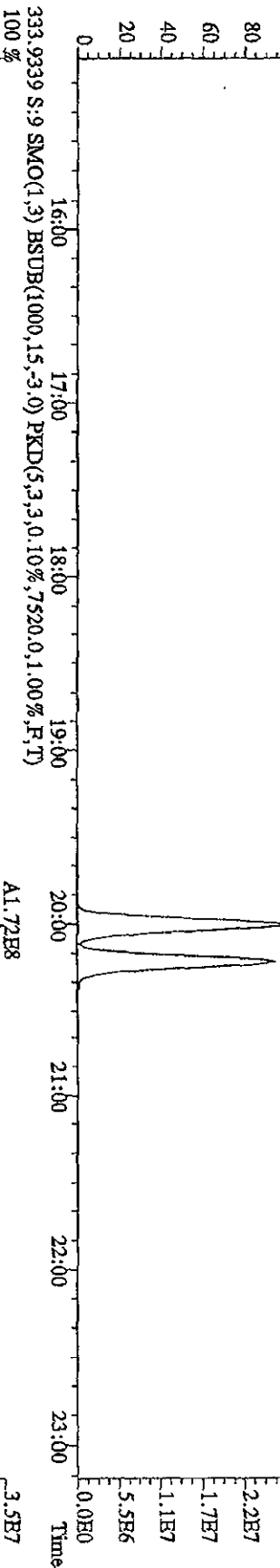
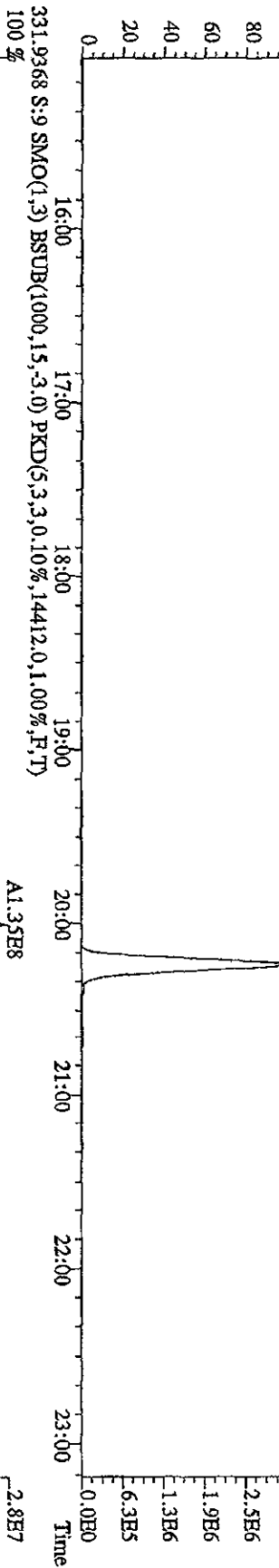
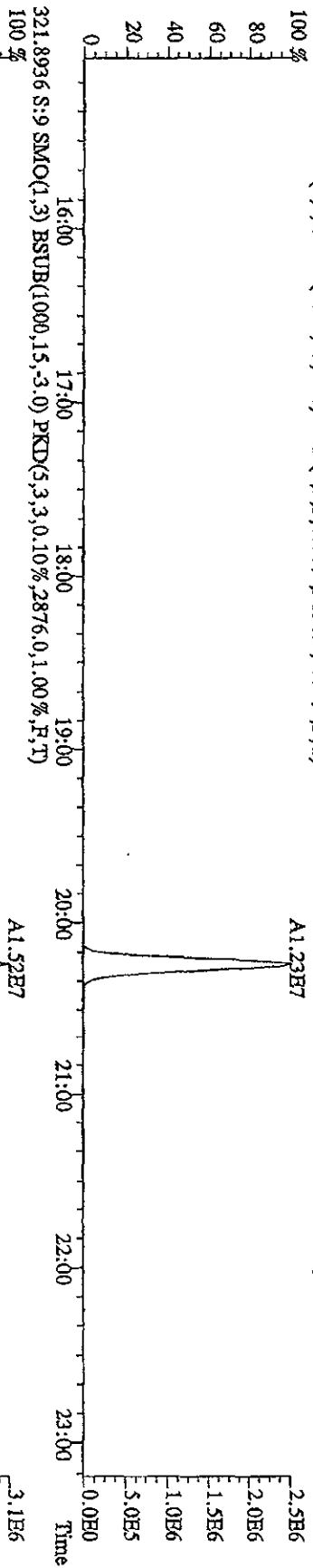
100% 37:21 37:31 37:42 37:53 38:13 38:25 38:33 38:54 39:12 39:28 39:42



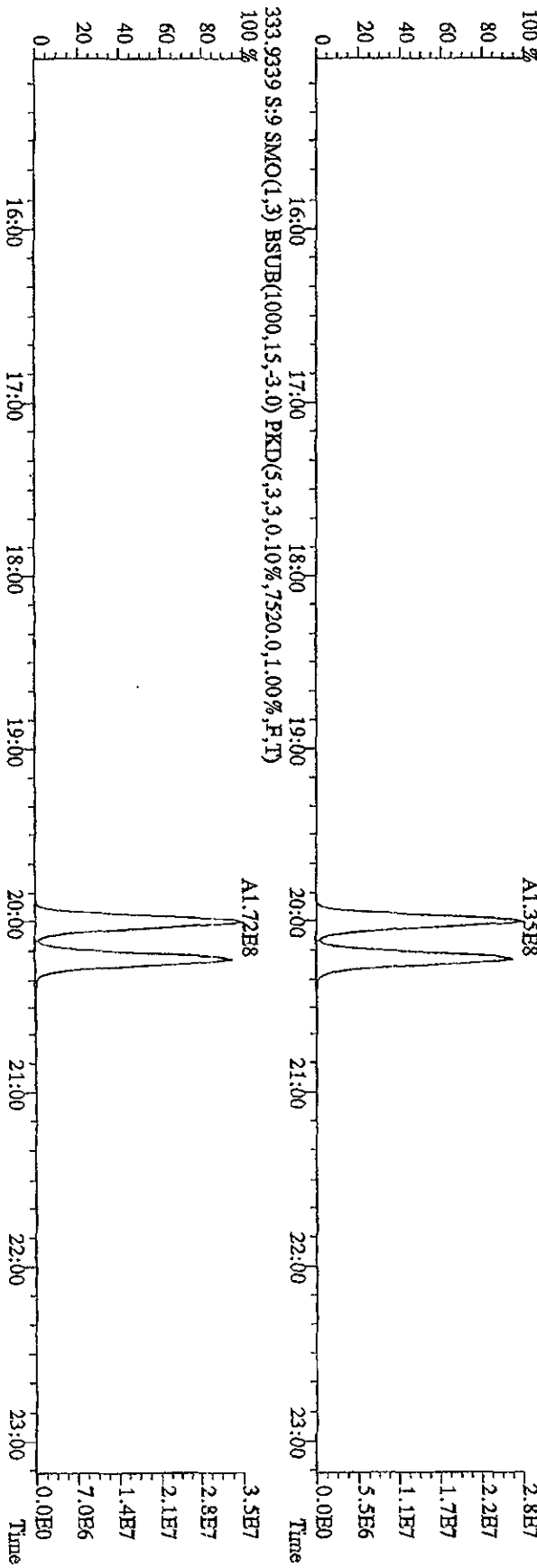
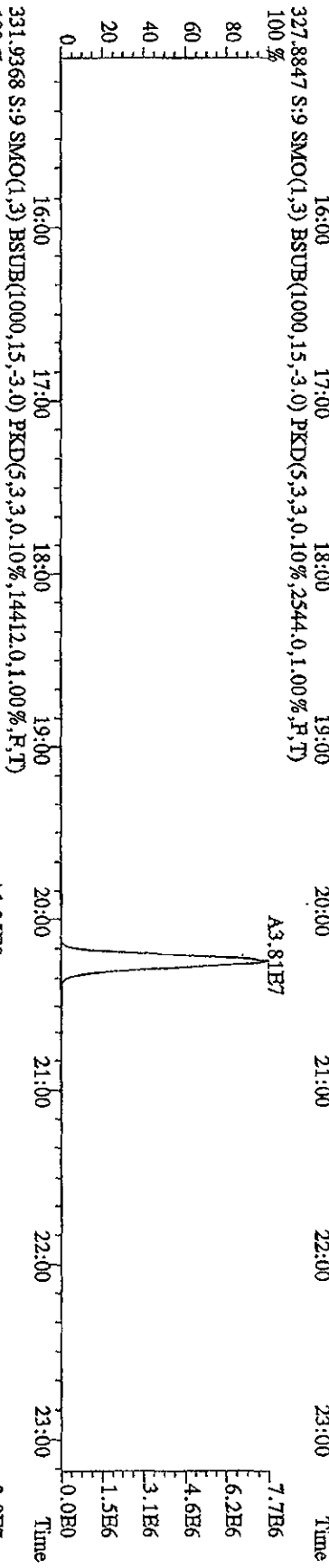
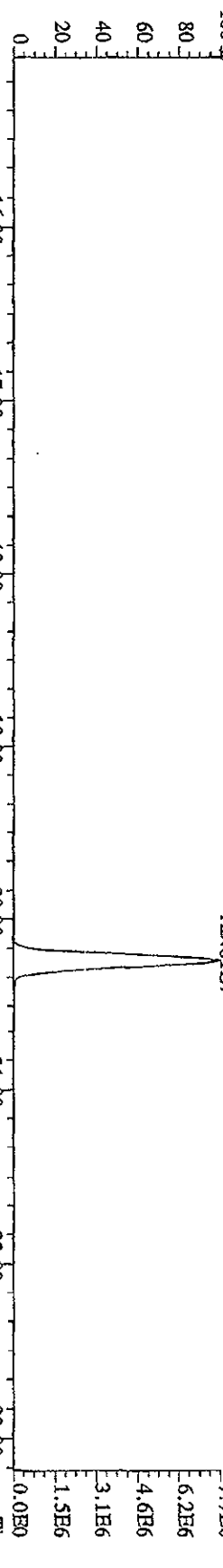
File: 211L10A4D5 #1-541 Acq: 21-JUL-2010 20:34:02 GC EL+ Voltage SIR Autospec-UjhnaB
 Sample#9 Text: ST0721H : 2nd Source 10DXN340 Exp: DIOXINRES
 303.9016 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2796,0,1.00%,F,T)
 100%



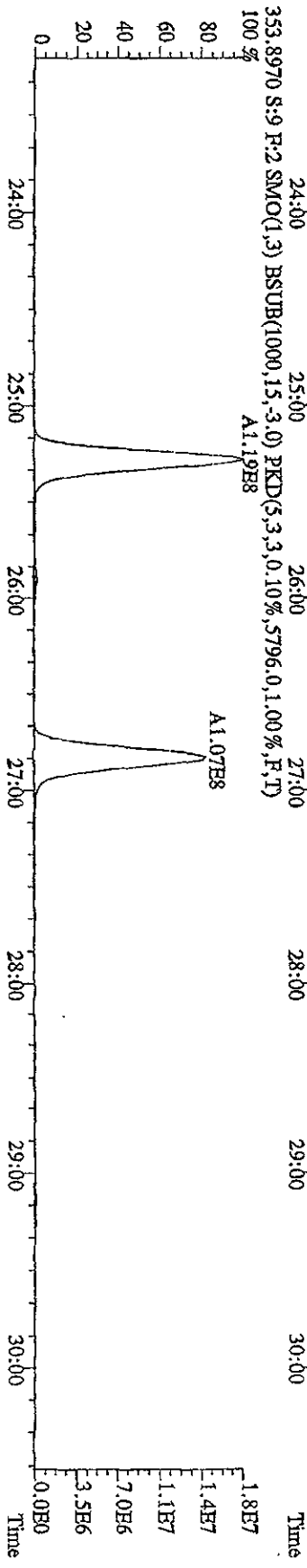
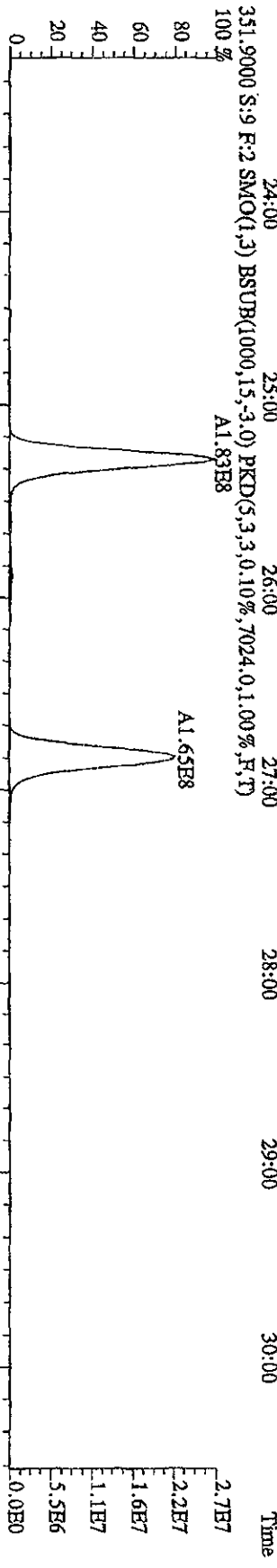
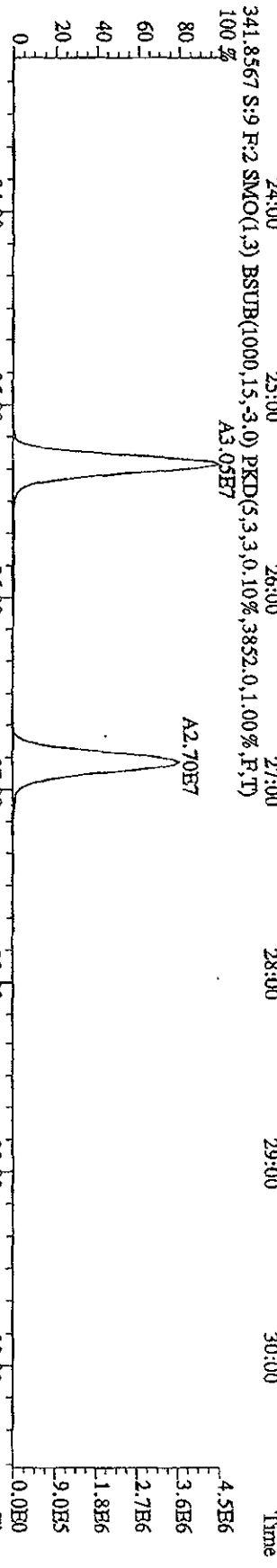
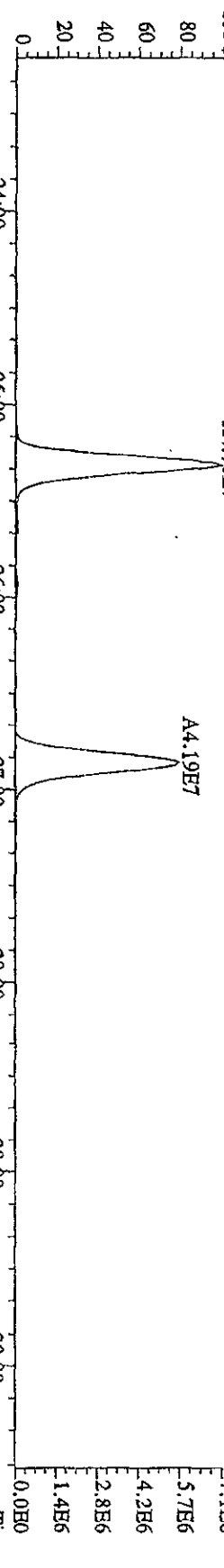
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 20:34:02 GC EI+ Voltage: 51K Autospec-Ultimate
 Sample#9 Text: ST0721F .2nd Source 10DXN340 Exp: DIOXINRES
 319.8965 S:9 SMO(1,3) BSTUB(1000,15,-3.0) PKD(5,3,3,0.10%,2156.0,1.00%,F,T)



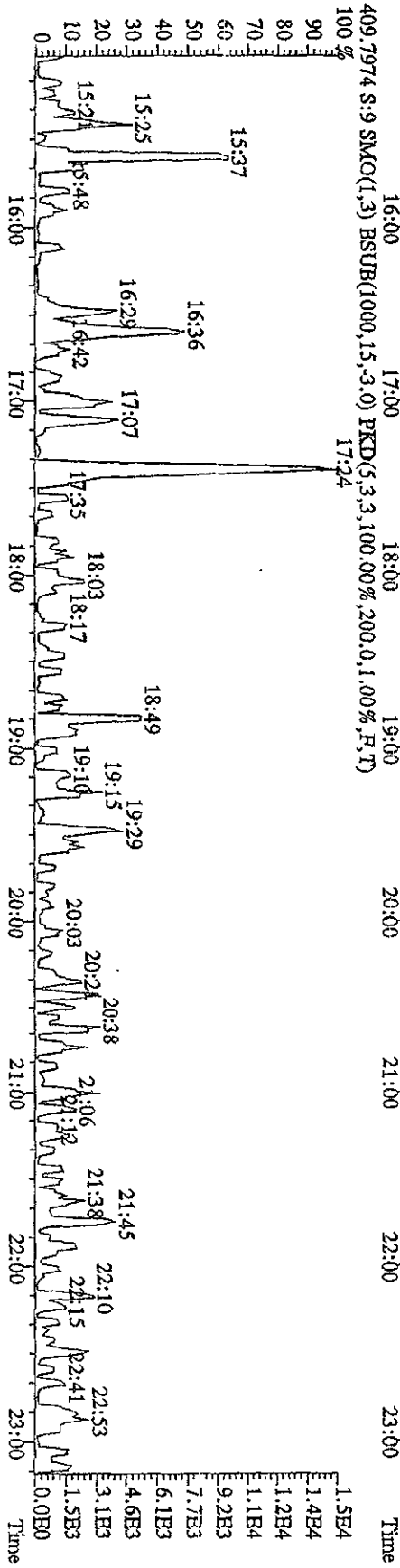
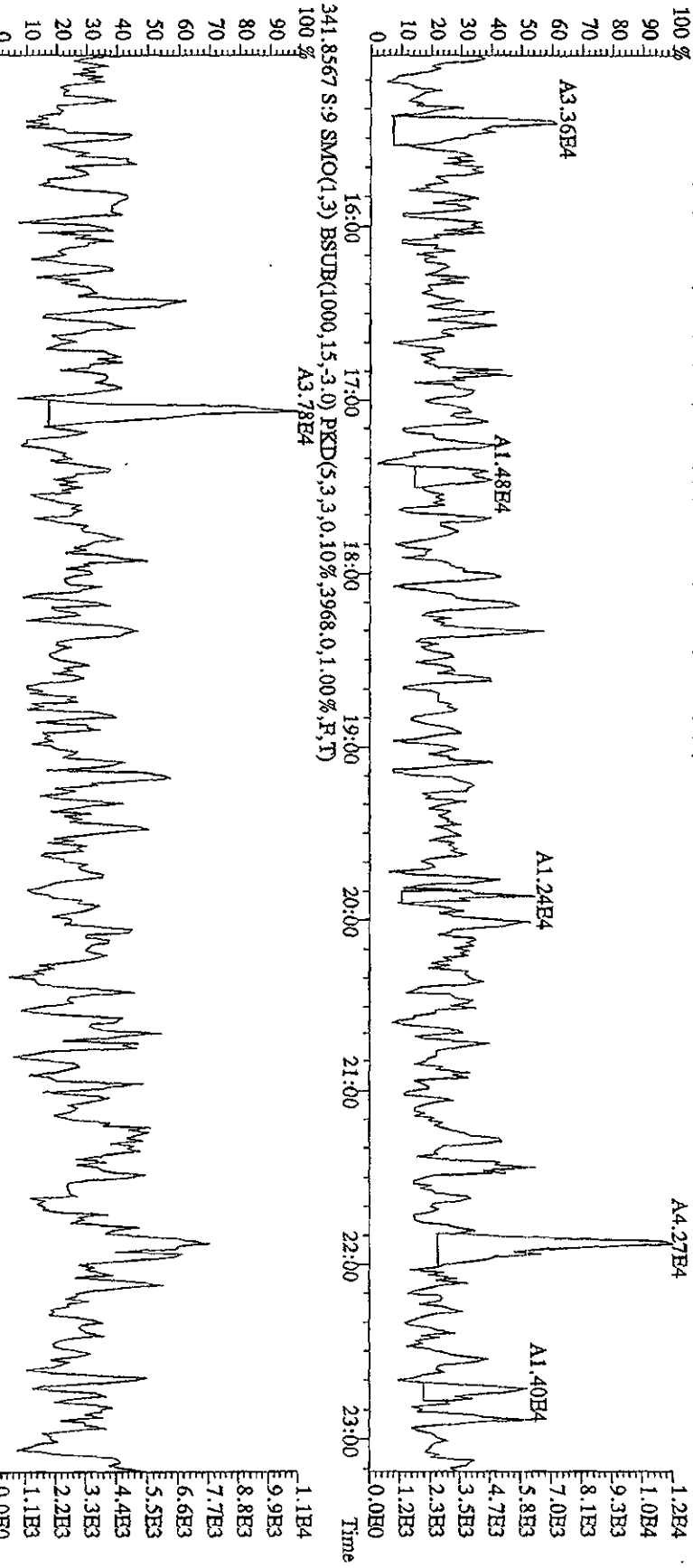
File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-DIkinAB
 Sample#9 Text: ST0721F 2nd Source 10DXN340 Exp: DIOXINRES
 327.8847 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2544,0,1,00%,F,T)
 100 %



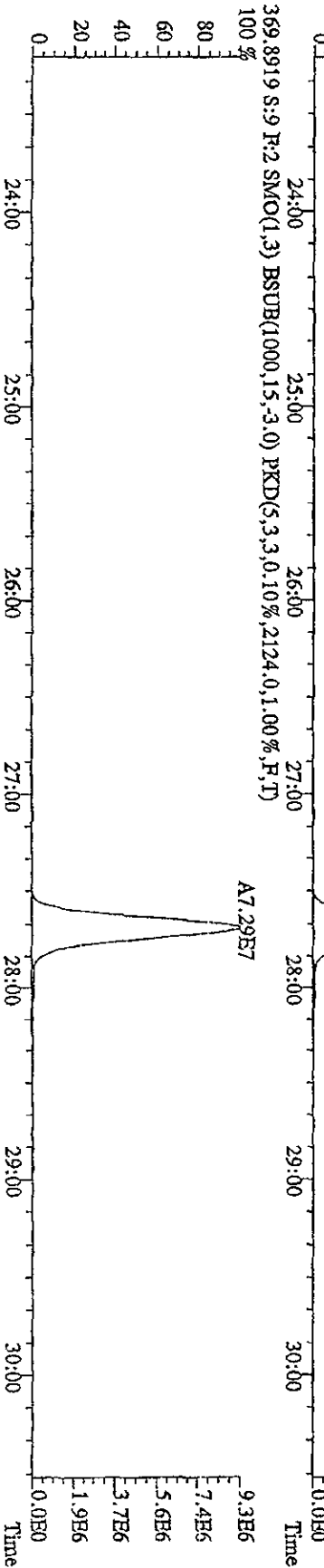
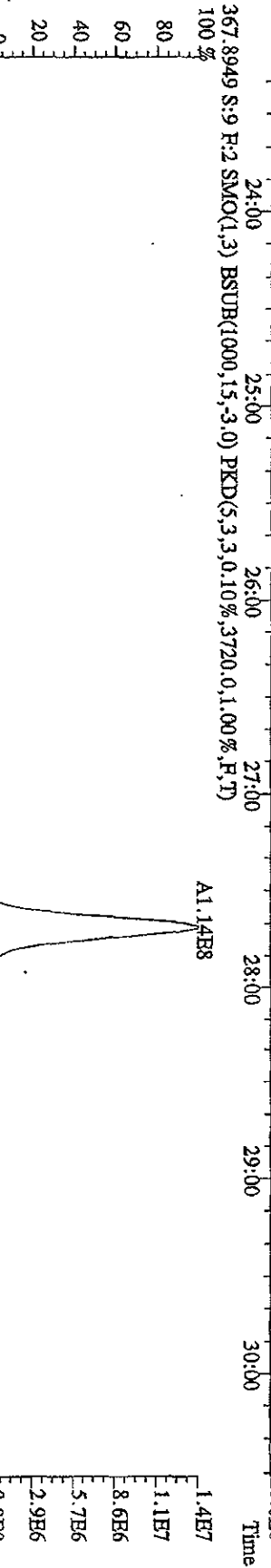
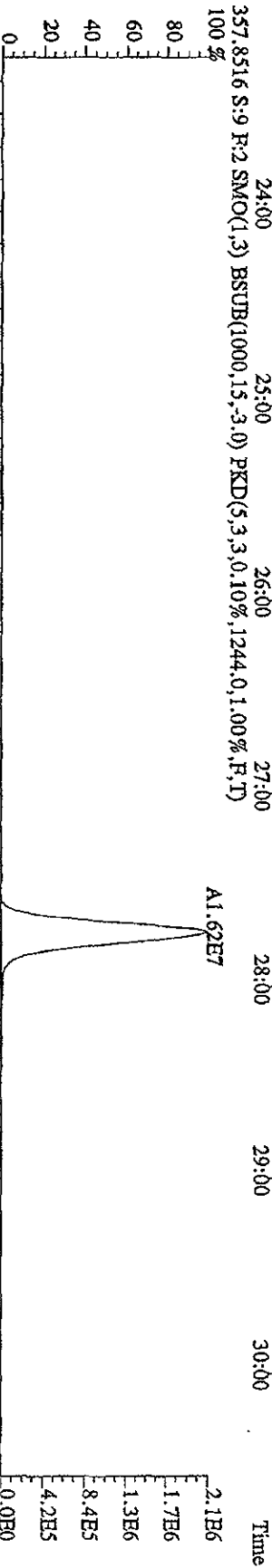
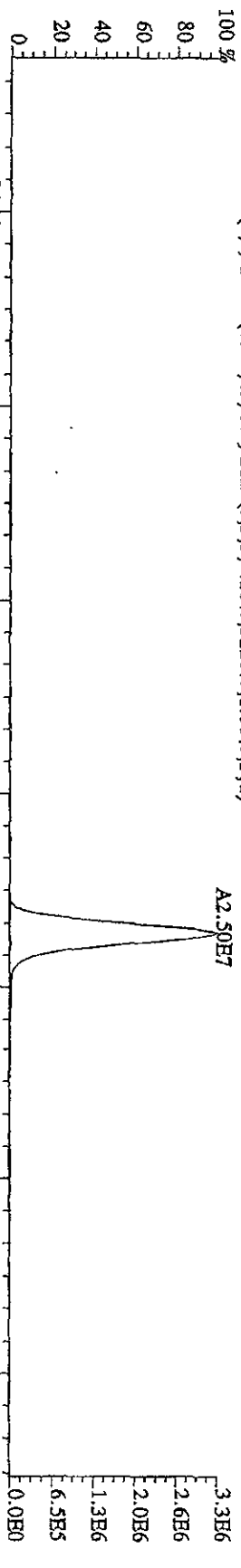
File:21JL10A4D5 #1-470 Acq:21-JUL-2010 20:34:02 GC FI + Voltage SIR Autospec-UtimateH
 Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
 339.8597 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4500,0,1,00%,F,T)
 100% A4.70E7



File: 21JUL10A4D5 #1-541 Acq: 21-JUL-2010 20:34:02 GC BI+ Voltage SIR Autospec-Ultimate
 Sample#9 Text: ST0721R 2nd Source 10DXN340 Exp: DIOXNRES
 339.8597 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3720.0,1.00%,F,T)

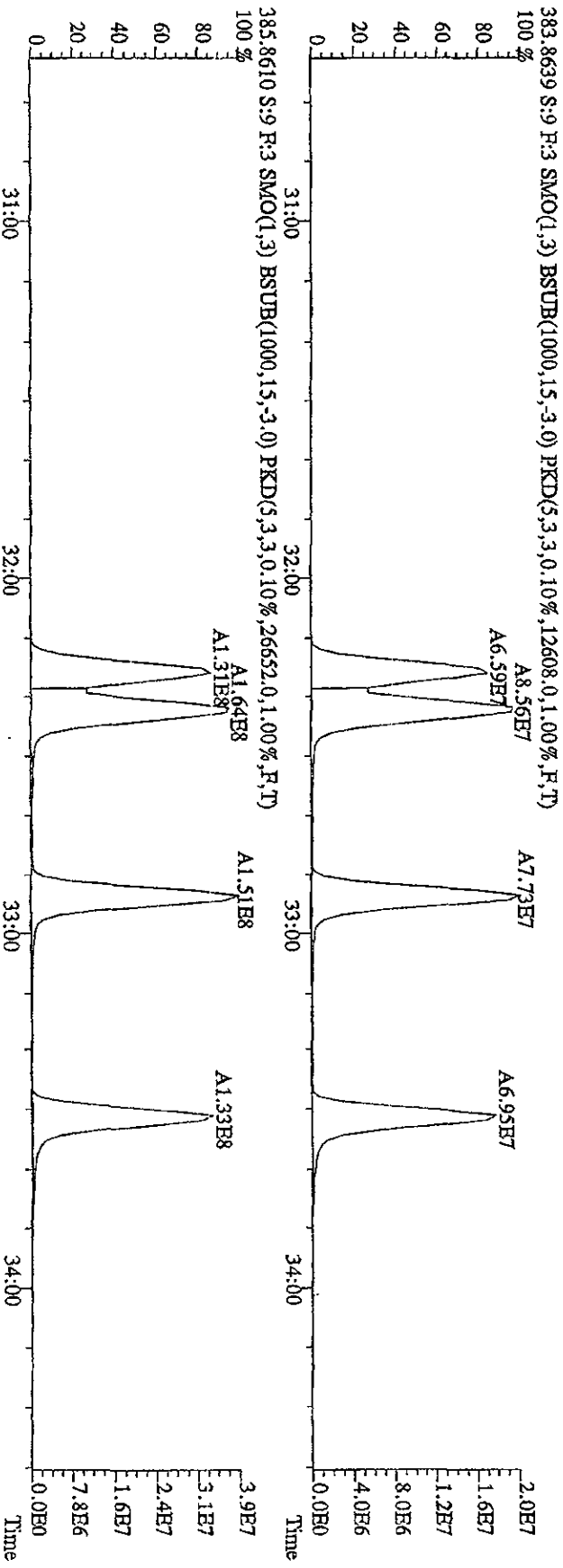
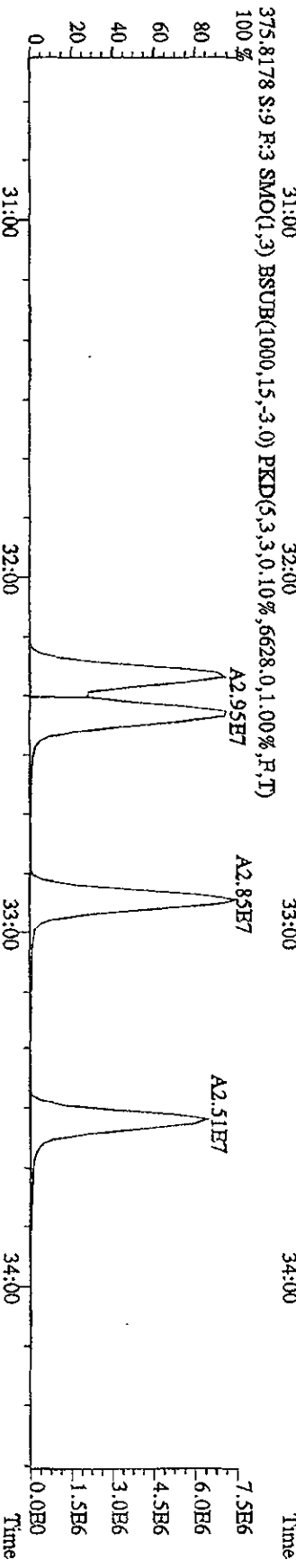
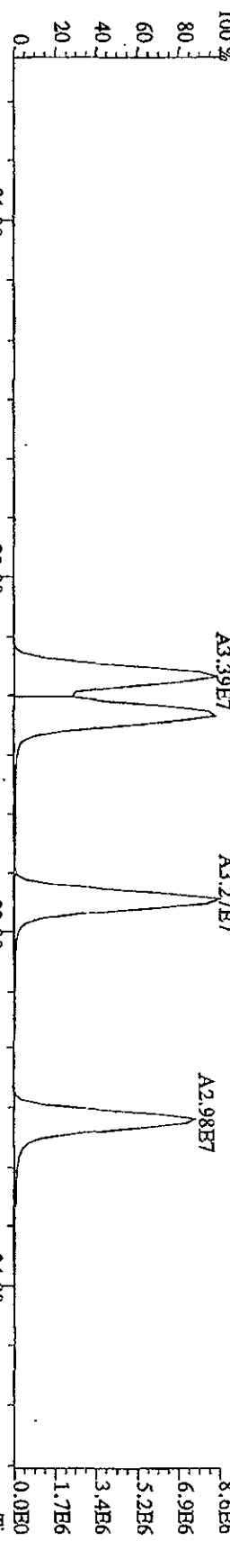


File:2111.10A4D5 #1-470 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#9 Text:ST0721R .2nd Source 10DPXN340 Exp:DIOXINRES
 355.8546 S:9 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3228,0,1.00%,F,T)

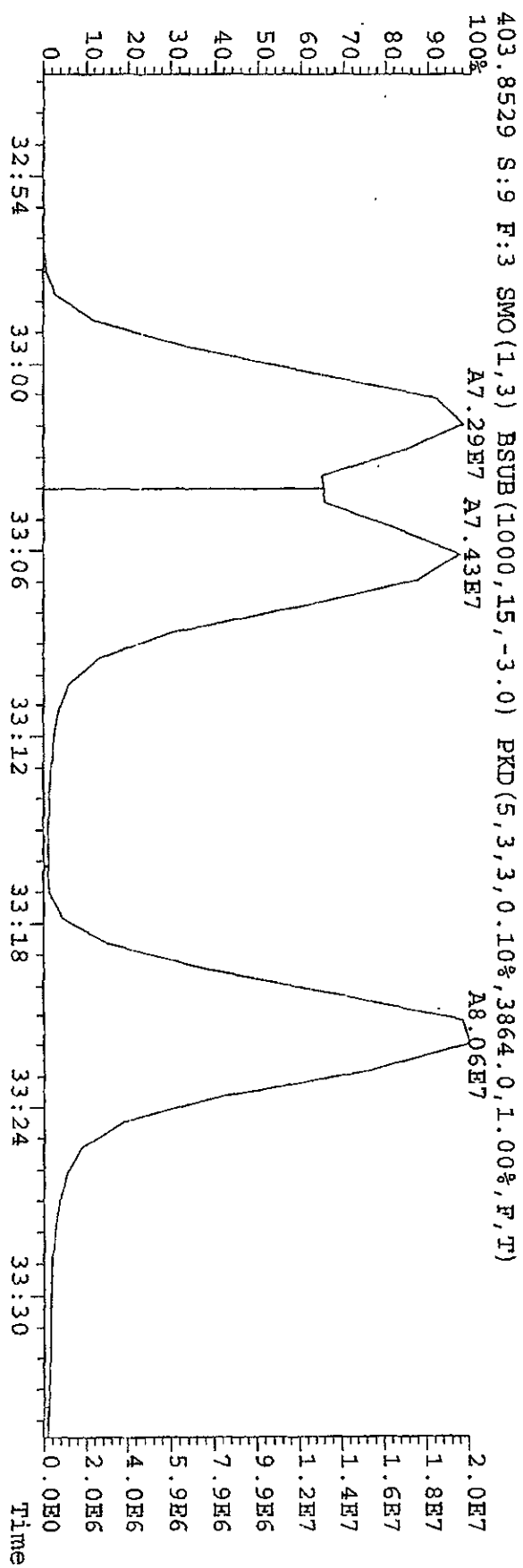
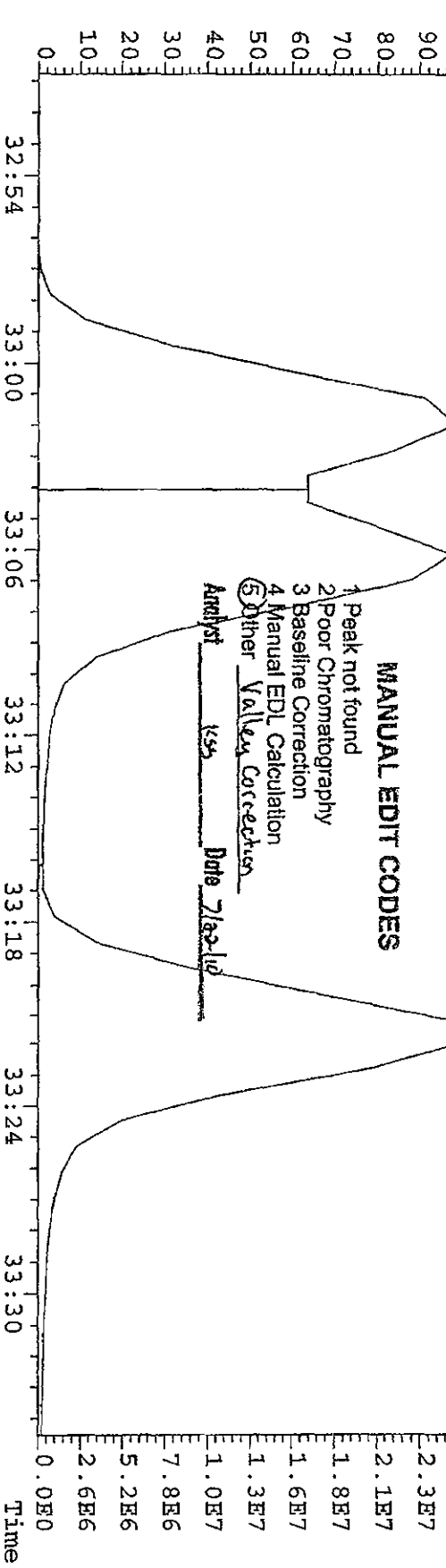


File: 211L10A4D5 #1-286 Acq: 21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-Ultimate

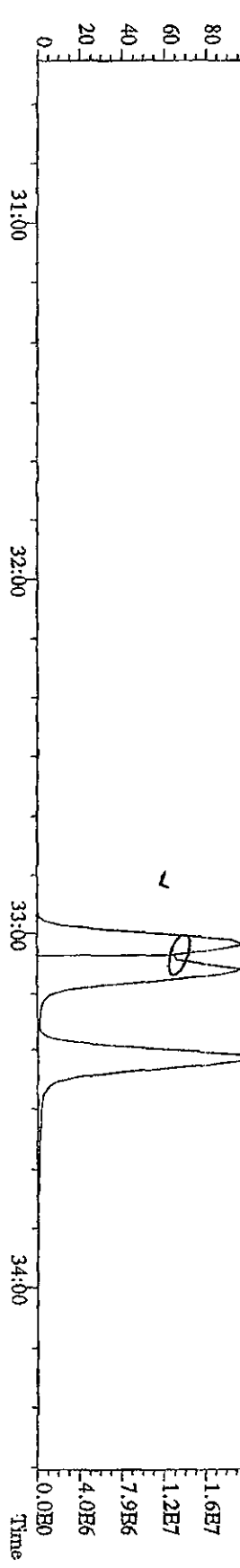
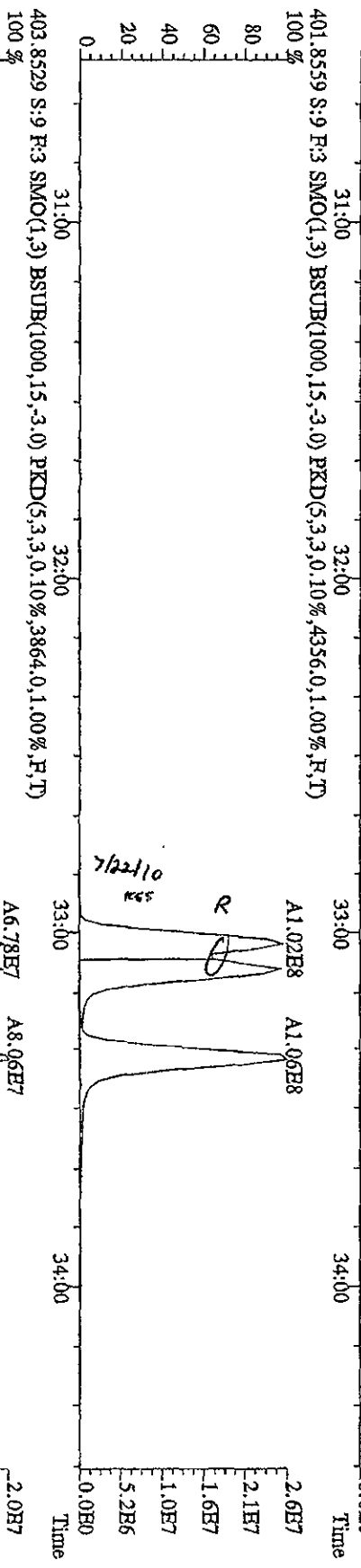
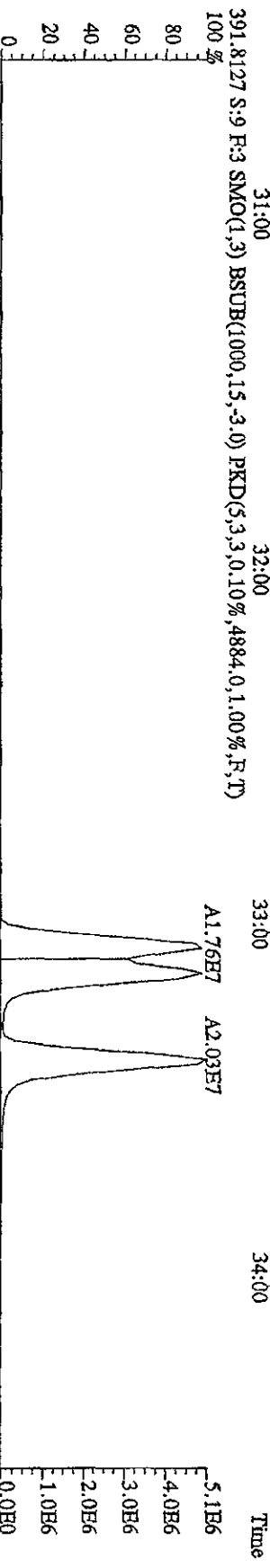
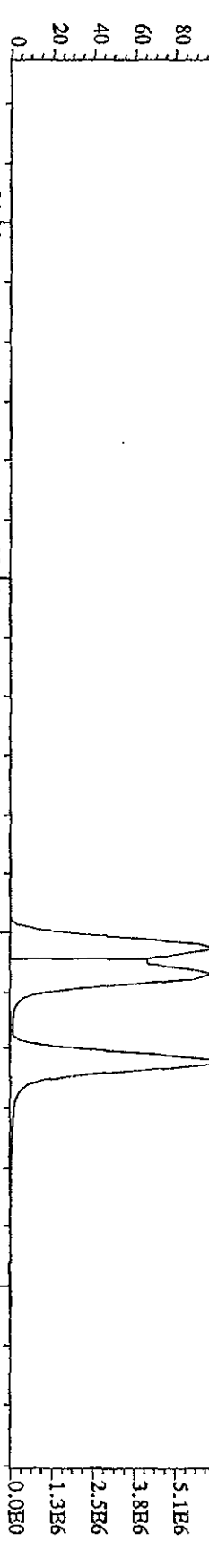
Sample#9 Text: ST0721F : 2nd Source 10DXN340 Exp: DIOXINRES



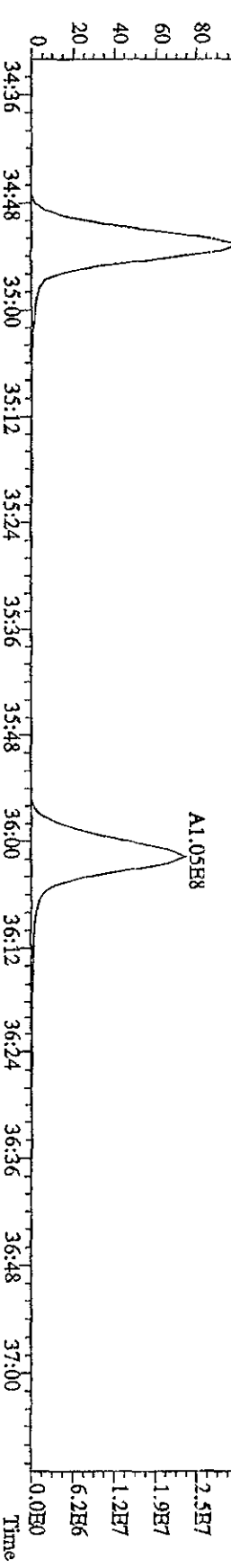
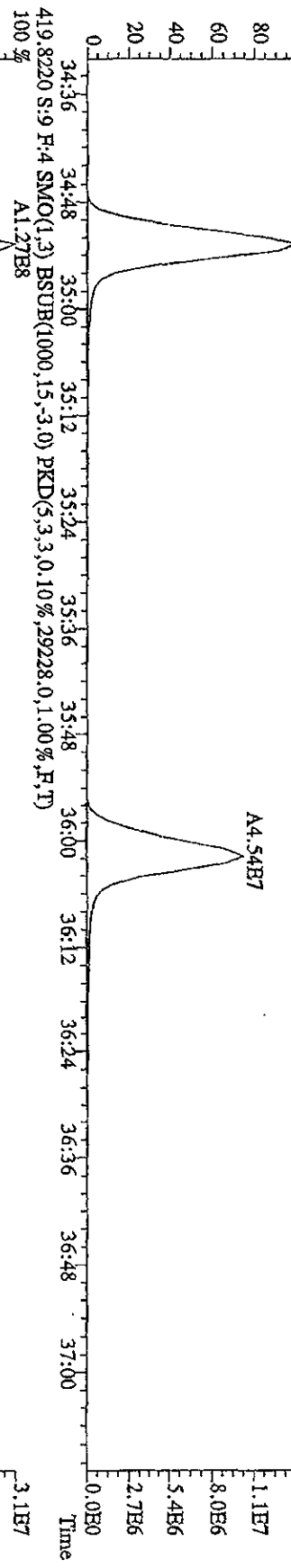
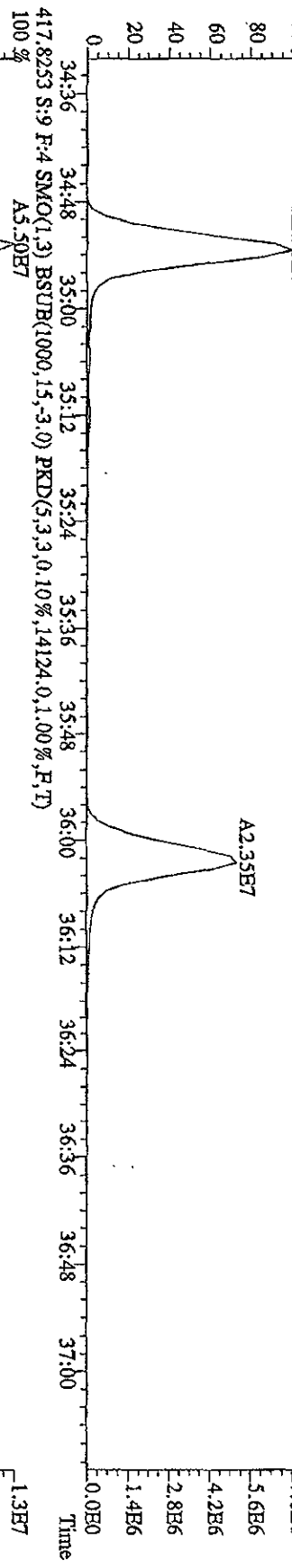
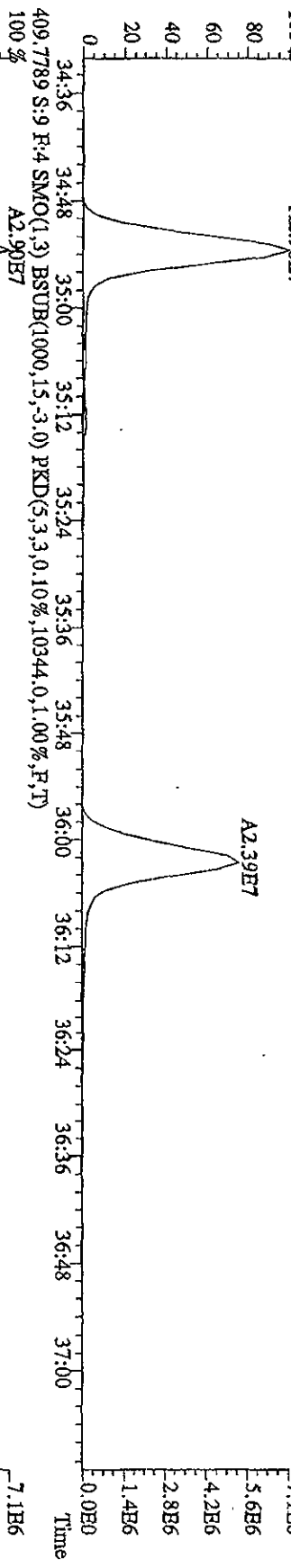
File: 21JUL10A4D5 #1-286 Acq: 21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 Text: ST0721F : 2nd Source 10DXN340 Exp: DIOXINRES
 401.8559 S: 9 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4356.0,1.00%,F,T)
 100% A9.55E7 A9.73E7 A1.05E8



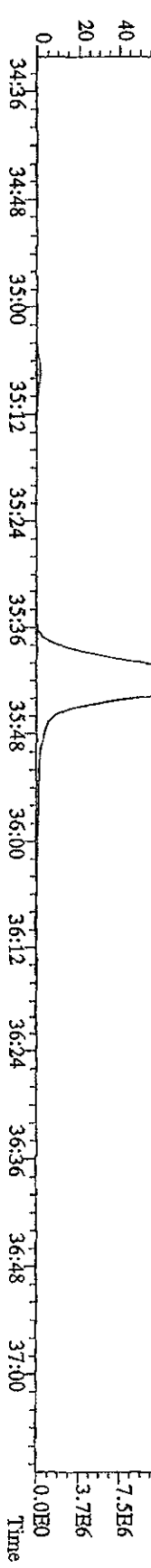
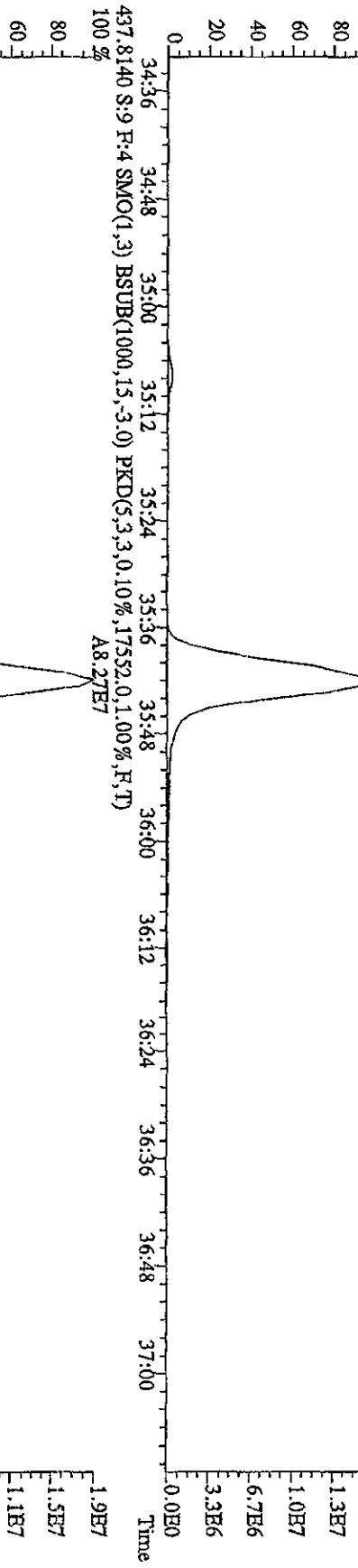
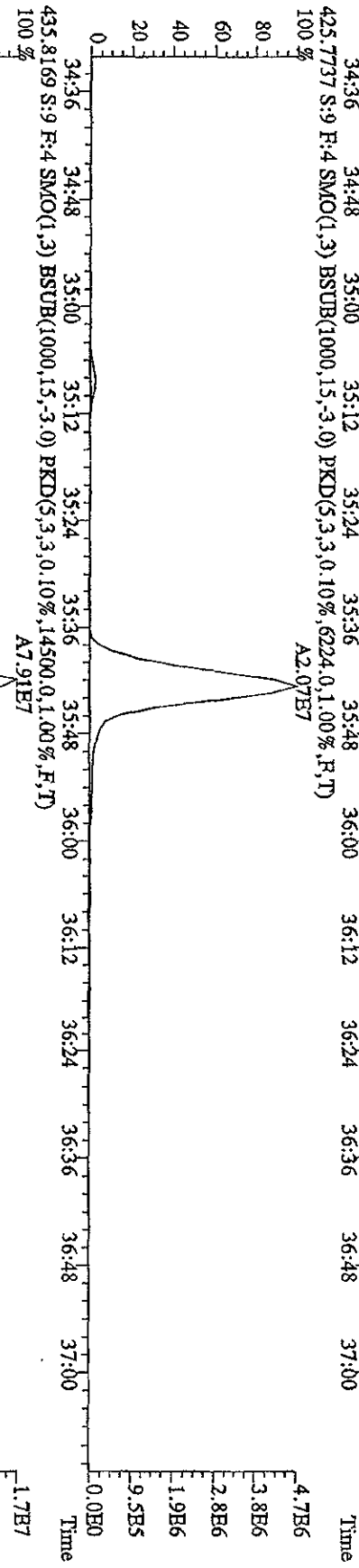
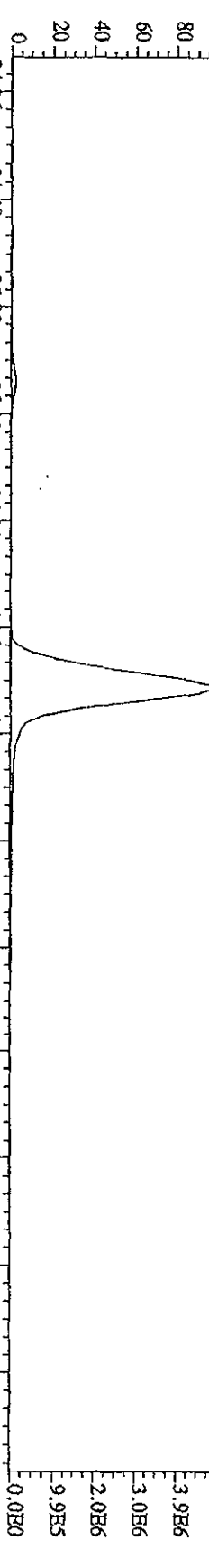
File:211L10A4D5 #1-286 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage 51V Autospec-UltimaE
 Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DIOXINRES
 389.8157 S:9 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3468,0,1,00%,F,T)



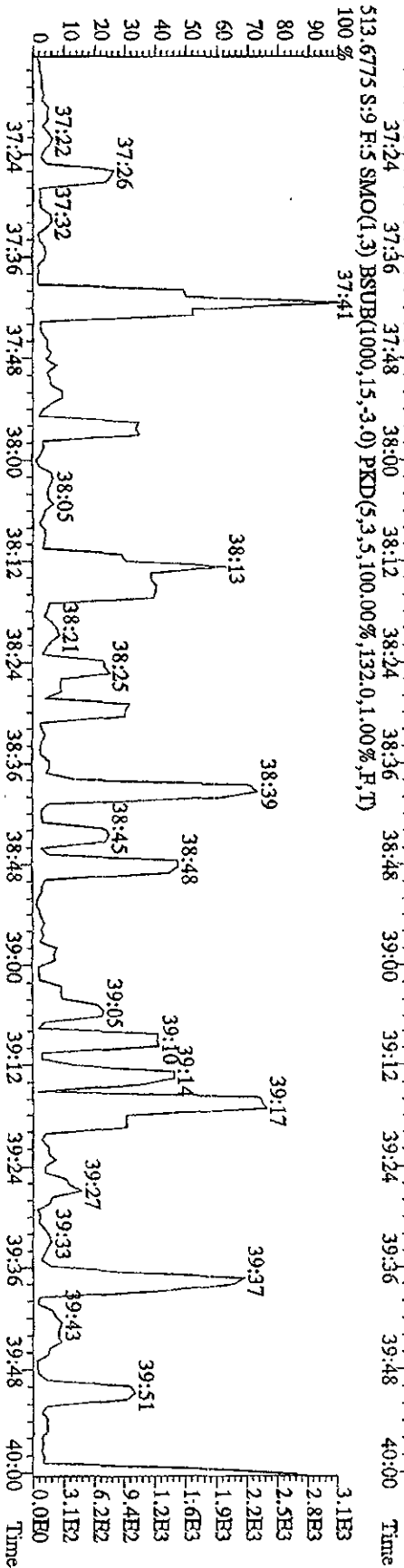
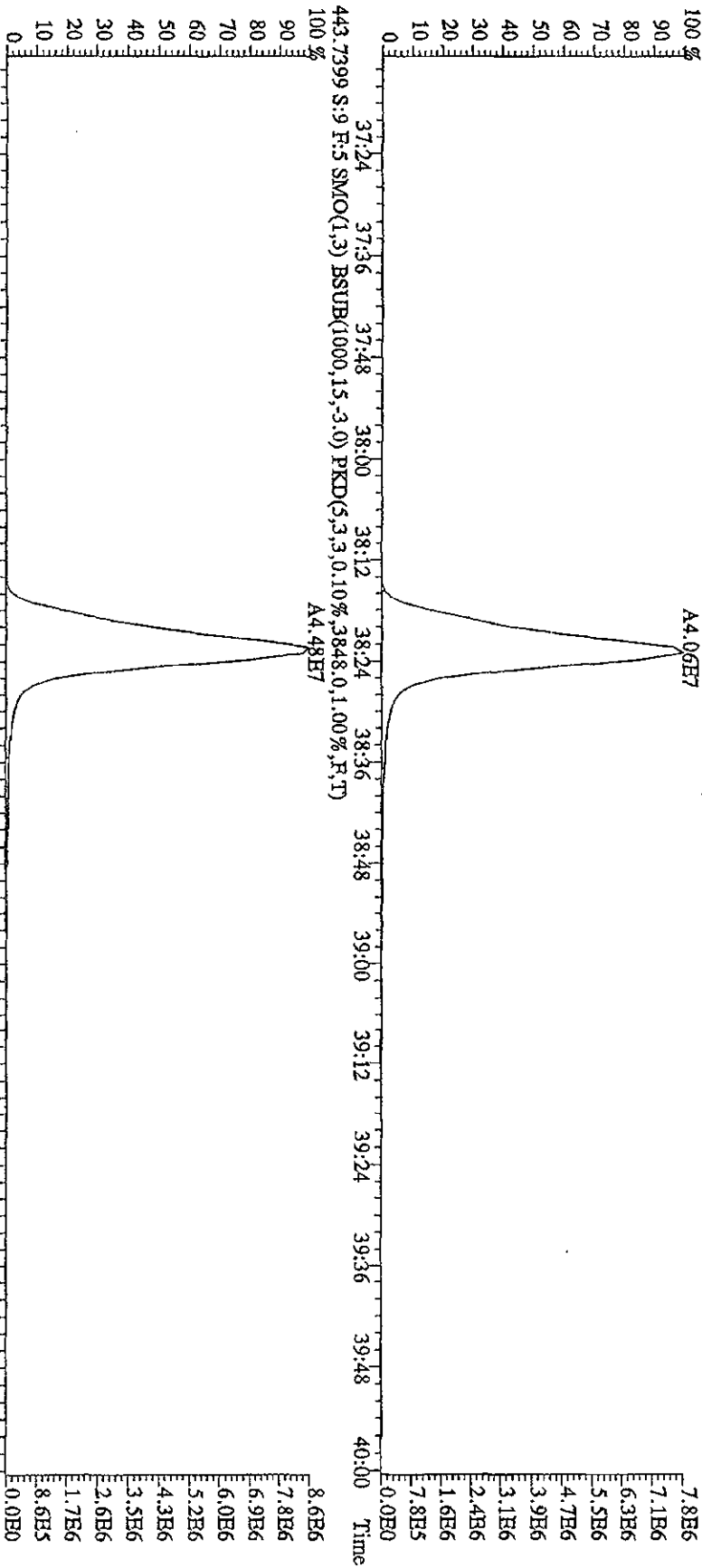
File:21IU10A4D5 #1-201 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage STR Autospec-Ultimate
 Sample#9 Text:ST0721F 2nd Source 10DXN340 Exp:DIOXINRBS
 407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6948,0,1,00%,F,T)
 100%



File:21JUL10A4D5 #1-201 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 Text:ST0721F :2nd Source 10DXN340 Exp:DXOXN340
 423.7766 S:9 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5152.0,1.00%,F,T)
 100%

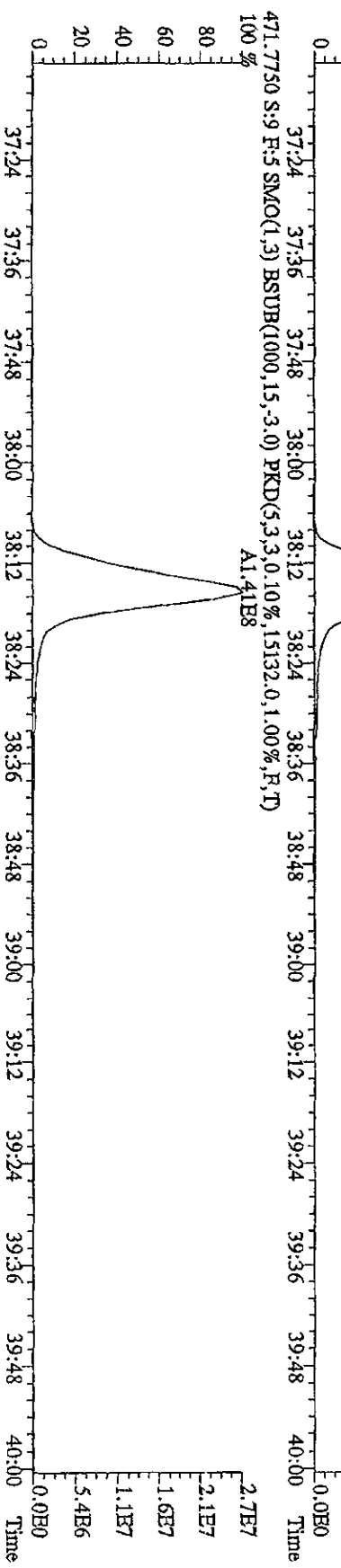
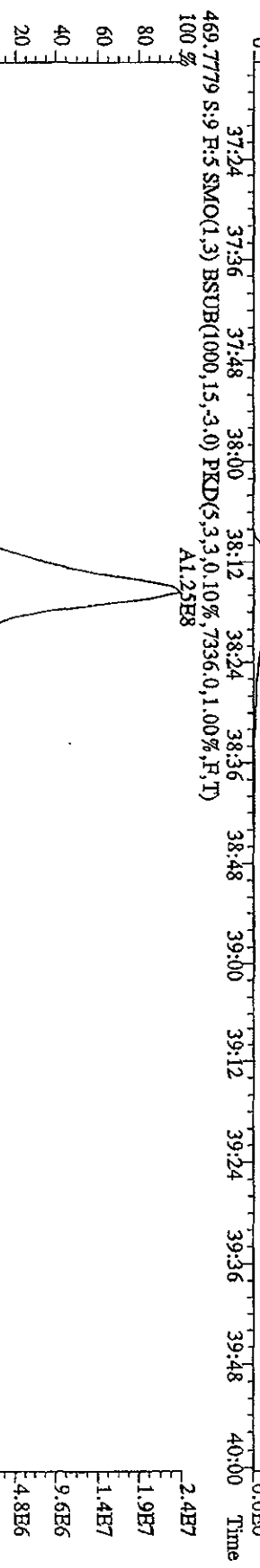
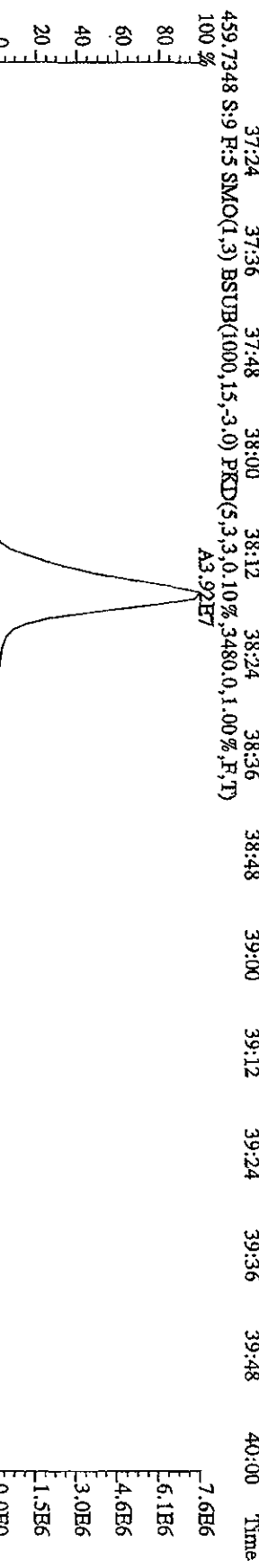
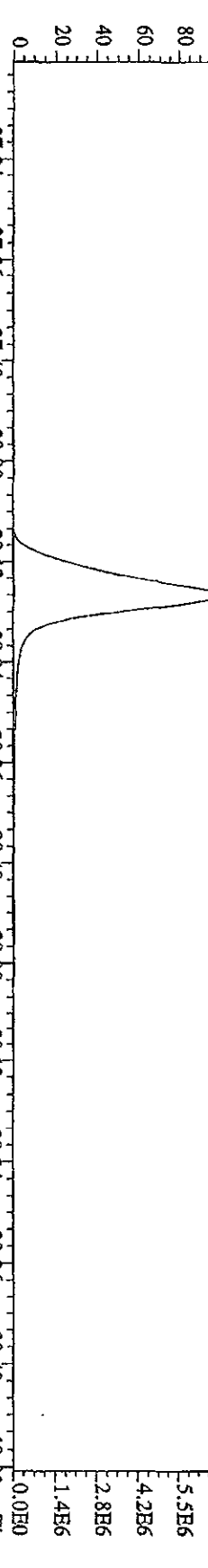


File: 21JUL10A4D5 #1-227 Acq: 21-JUL-2010 20:34:02 GC EI+ Voltage: STR Autospec-Ultimate
 Sample#9 Text: ST0721H : 2nd Source 10DXN340 Exp: DIOXINRES
 441.7428 S:9 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4172.0,1.00%,F,T)
 100% A4.06E7

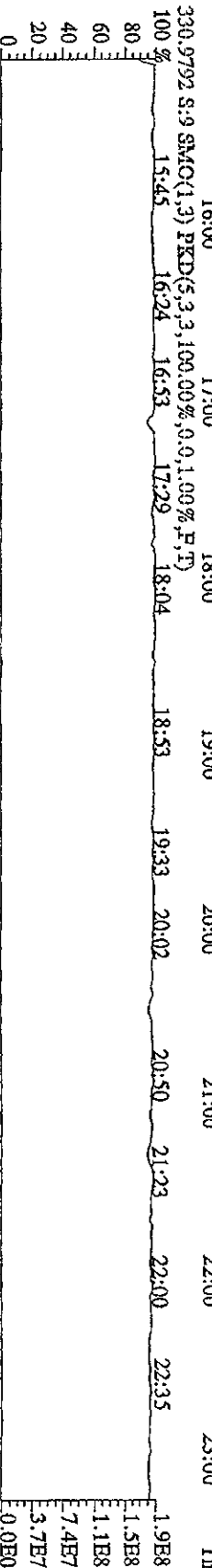
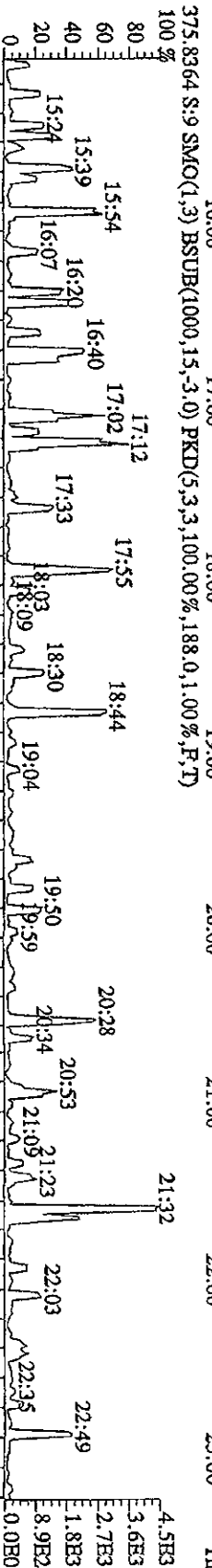
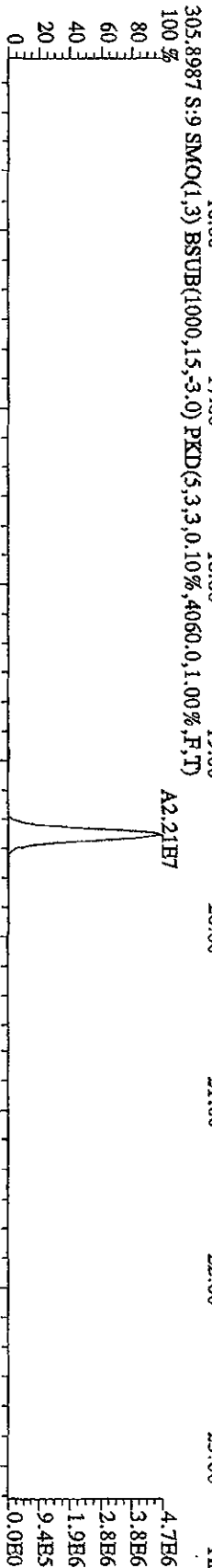
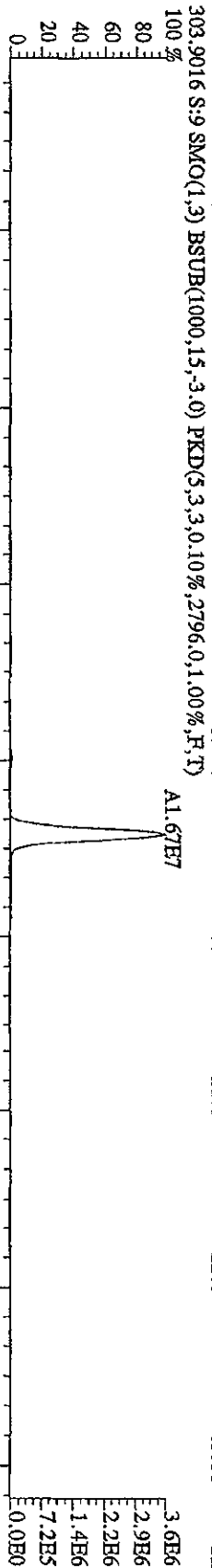
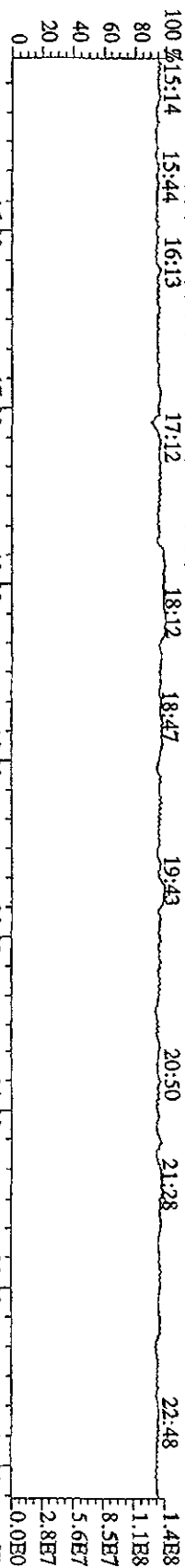


File:211L10A4D5 #1-227 Acq:21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-Ultimate

Sample#9 Text:ST0721H 2nd Source 10DXN340 Exp.:DIOXINRES

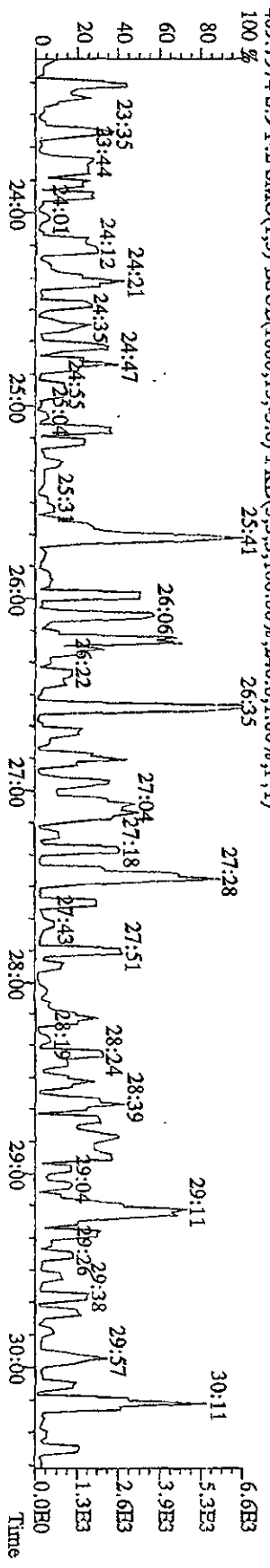
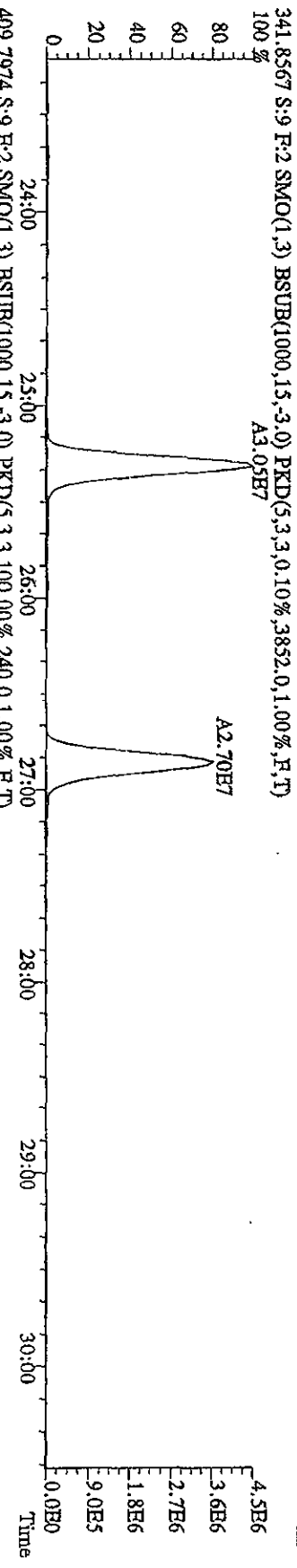
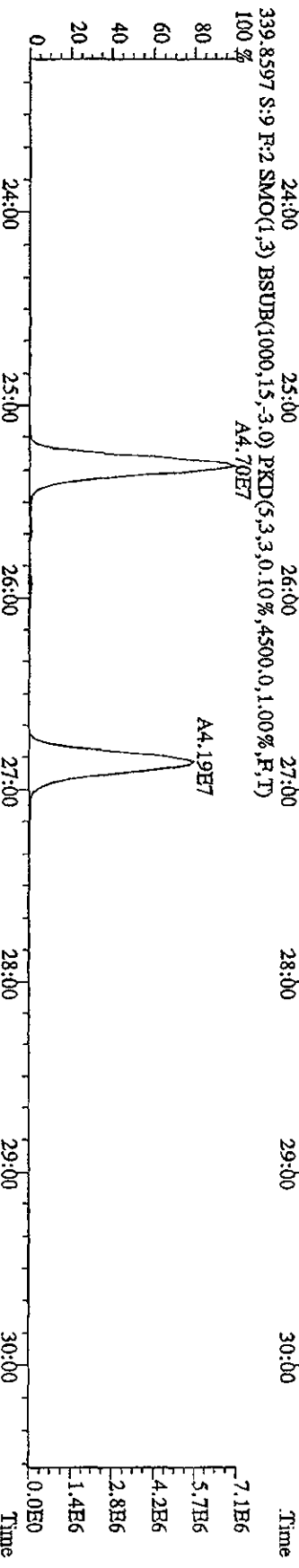
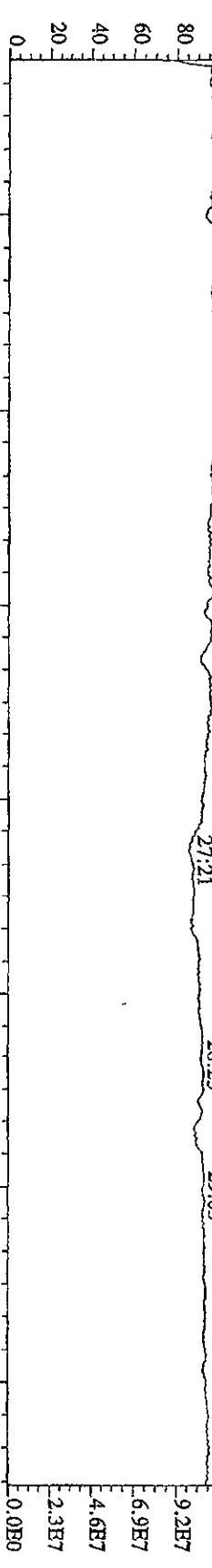


File: 211L10A4D5 #1-541 Acq: 21-FUL-2010 20:34:02 GC BI+ Voltage SIR Autospec-Ultimah
 Sample#9 Text: ST0721F 2nd Source 10DXN340 Exp: DIOXINRES

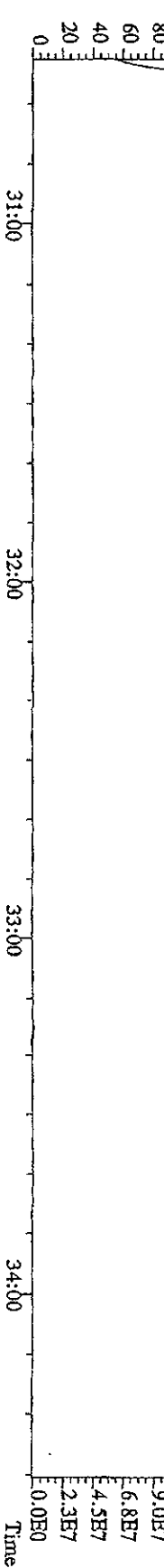
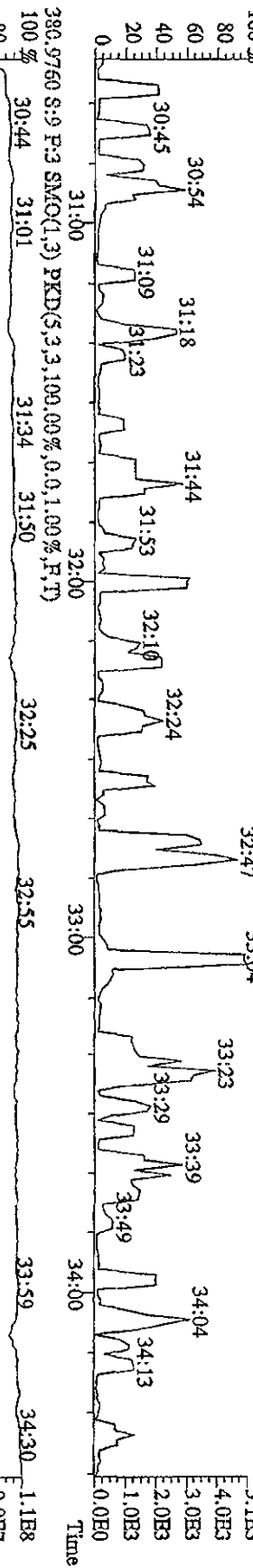
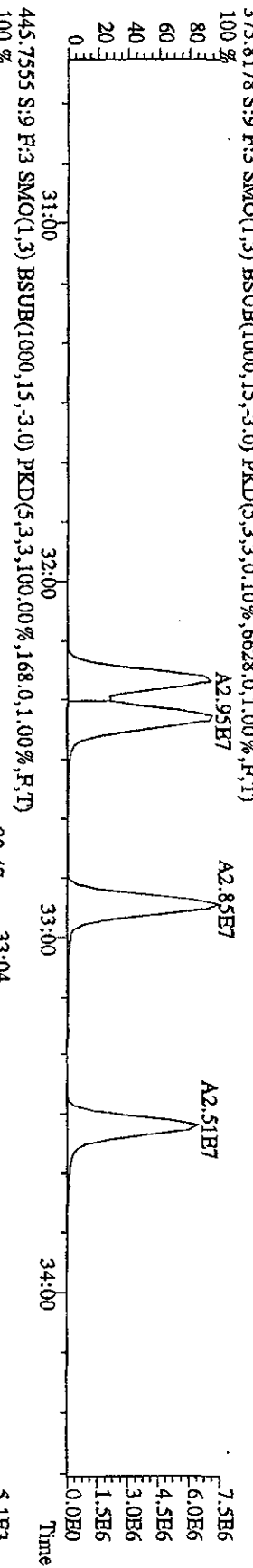
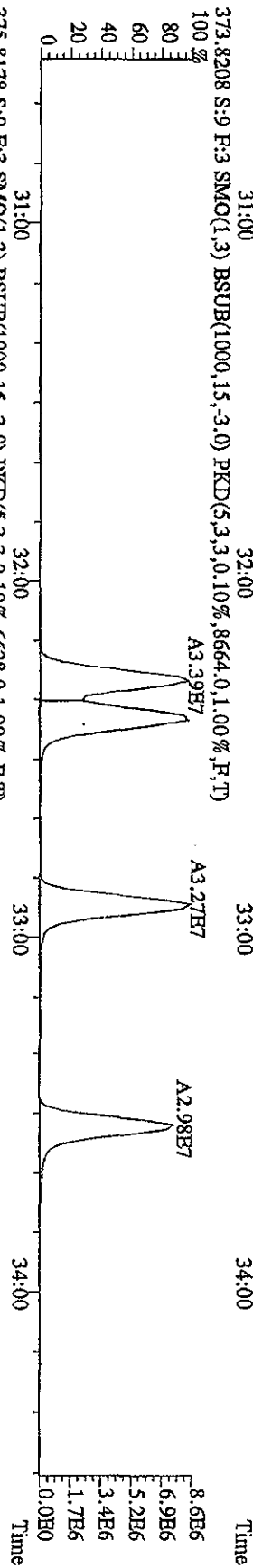
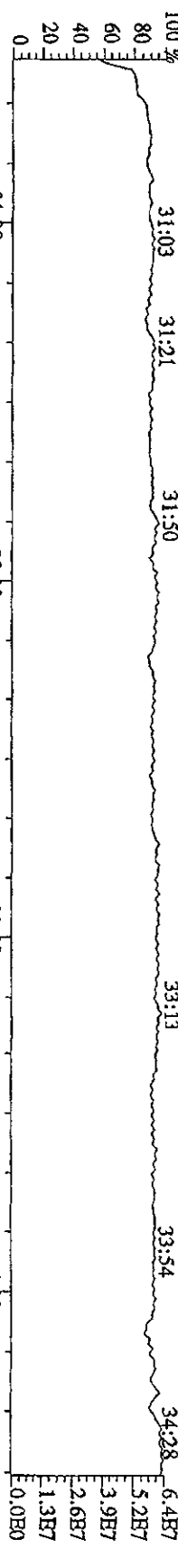


File: 21UT10A4D5 #1-470 Acq: 21-JUL-2010 20:34:02 GC BI+ Voltage SFR Autospec-UltimaE

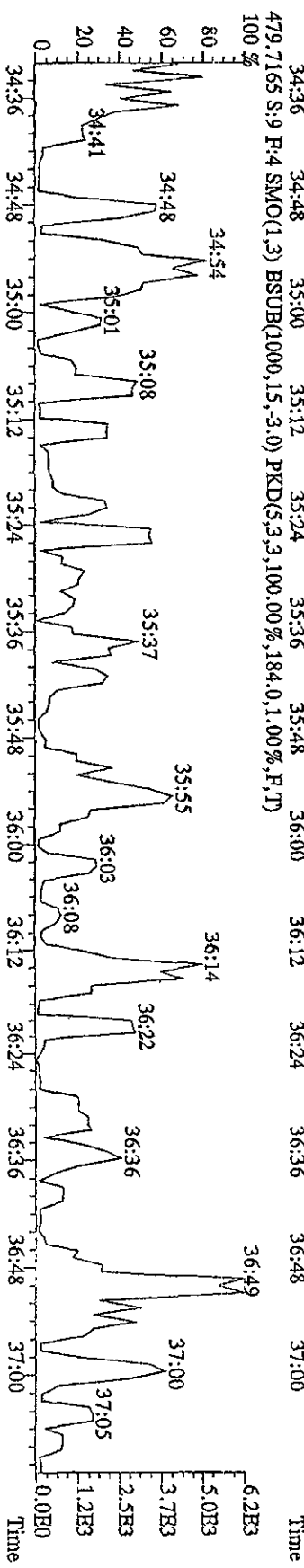
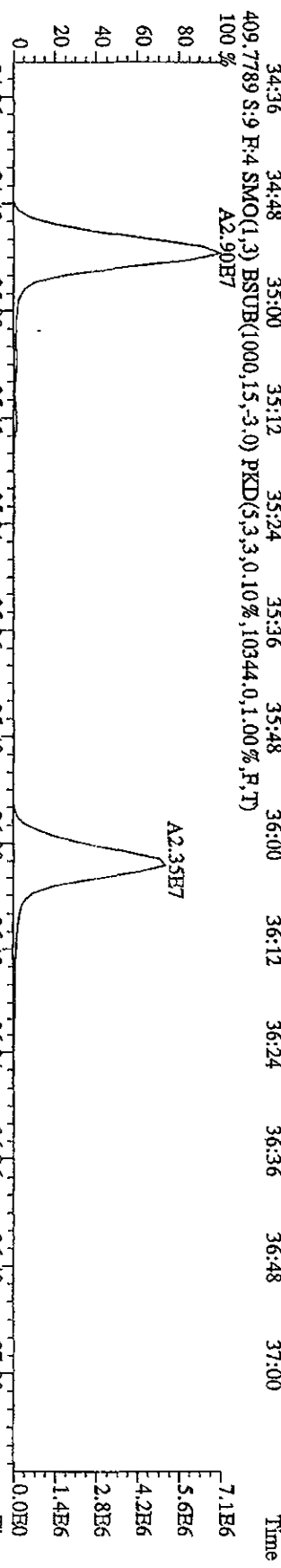
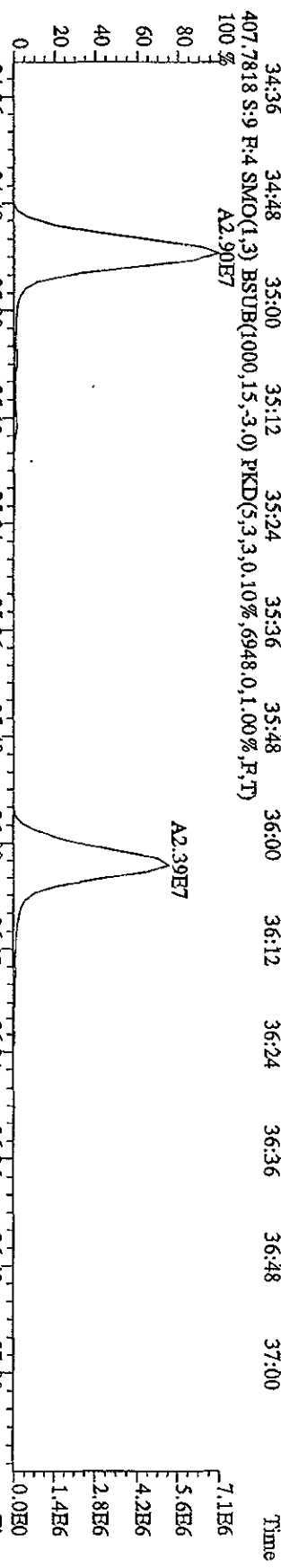
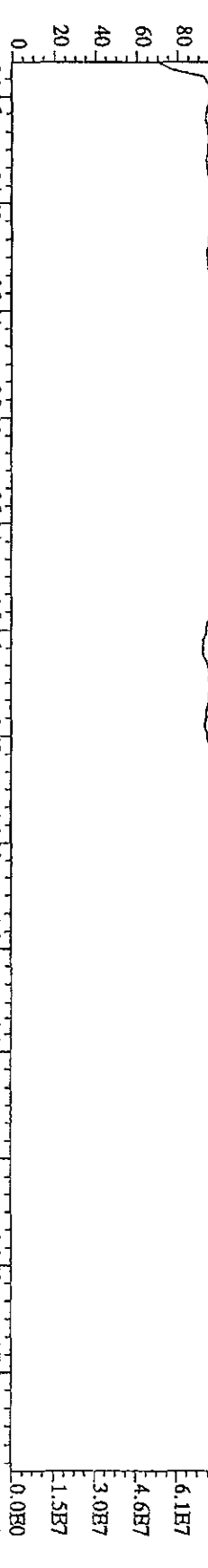
Sample#9 Text: ST0721F 2nd Source 10DXN340 Exp: DIOXINRES



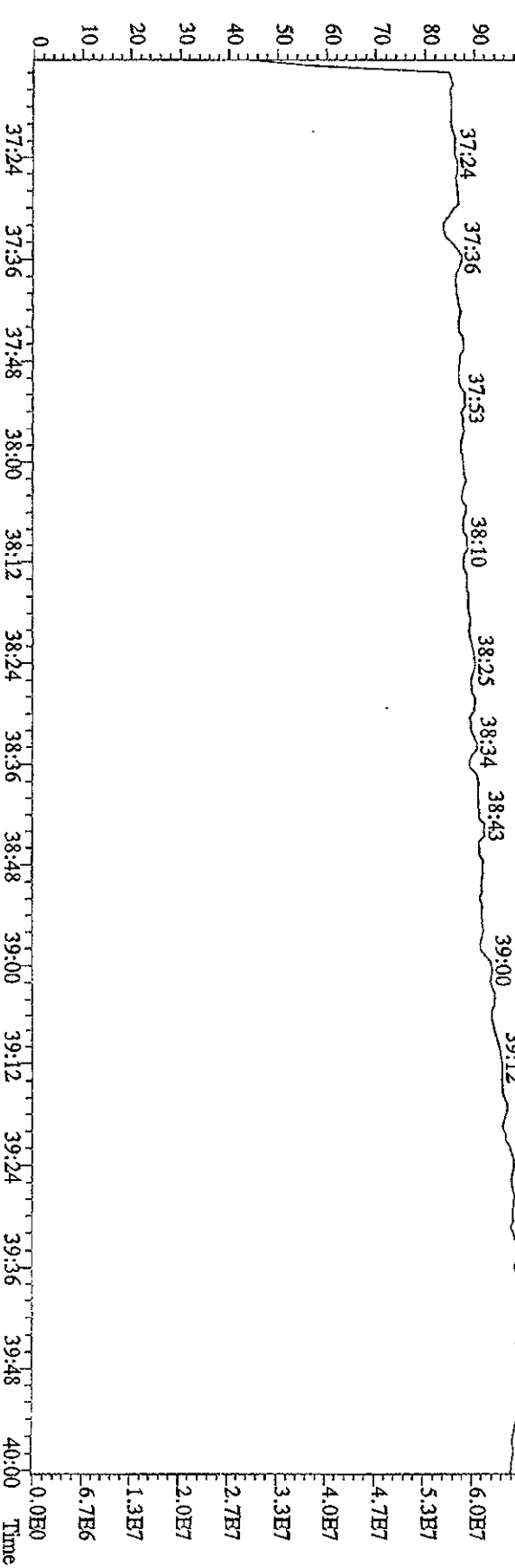
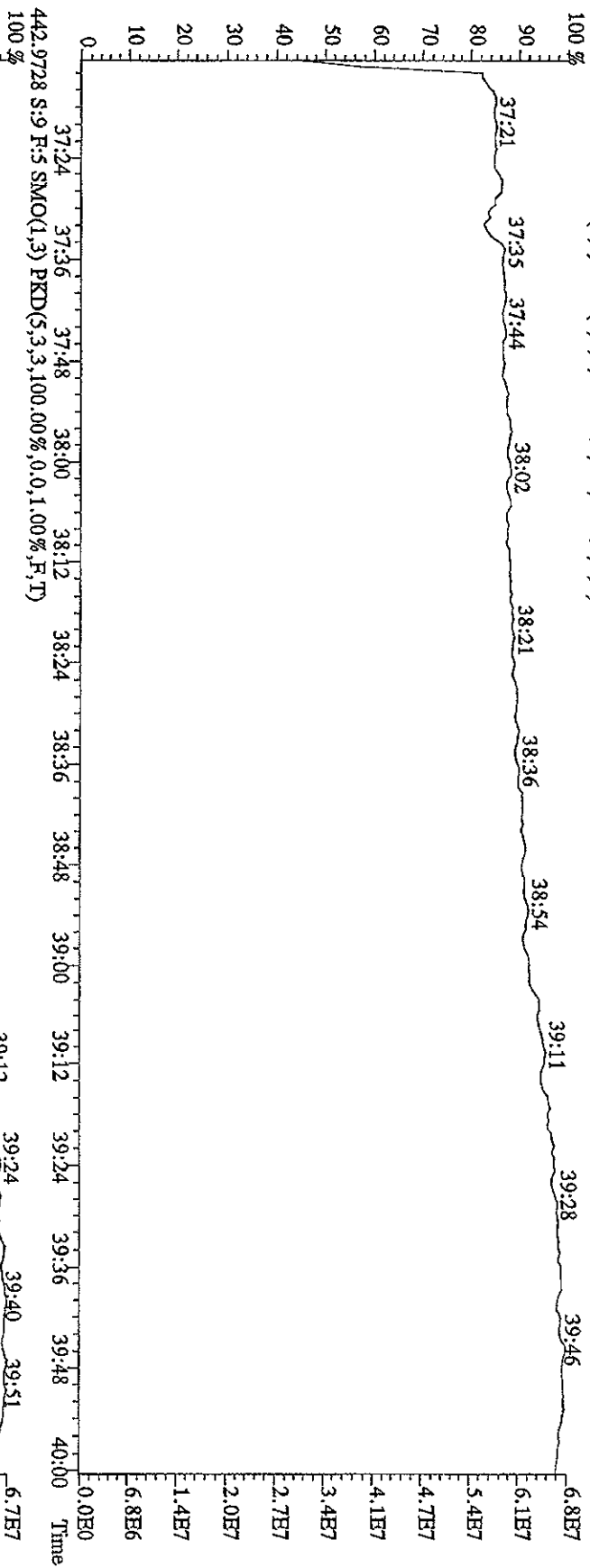
File: 21U_10A4D5 #1-286 Acq: 21-UU-2010 20:34:02 GC BI + Voltage SIR Autospec-UltimaB
 Sample#9 Text: ST0721F : 2nd Source 10DXN340 Exp: DIOXINRES
 392.9760 S:9 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File: 211L10A4D5 #1-201 Acq: 21-JUL-2010 20:34:02 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 Text: ST0721F : 2nd Source 10DXN340 Exp: DIOXINRES
 430.9728 S:9 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 34:46 35:00 35:09 35:19 35:32 36:03 36:14 36:51



File:21JUL10A4D5 #1-227 Acq:21-JUL-2010 20:34:02 GC FI + Voltage SIR Autospec-UltimaB
 Sample#9 Text:ST0721R :2nd Source 10DXN340 Exp:DIOXINRES
 454.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%



Initial Calibration Checklist Dioxin Methods

ICAL ID (DB225, DB225AIR)0726105D2R AK 9/15/10

Method ID 8290, 1613B, 23, 0023A, T09, Date Scanned 8-13-10 RSCM 9/16/10
TETRA5, 8290A

Column ID DB225 Instrument ID SD2

STD ID's ST0726(A, B, C, E) ^D STD Solution 10DXN342, 10DXN335, 10DXN336, 10DXN337 10DXN337

GC Program DB225 Multiplier Setting 750

Analyzed By KSS Date Analyzed 7-26-10

Prepared By KSS, NK Date Prepared 7-26-10

Reviewed By KSS, MG Date Reviewed 7/26/10, 9/15/10

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

COMMENTS:

CS3 13C-1, 2, 3, 4 - TCDD RT = 15:10

*Method 8290/T09/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10
 Method 1613B: %RSD ≤ 20% natives, ≤30% labeled compounds; S/N ≥10
 Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5

Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R

ST0726A :CS-1 10DXN342 RI ST0726B :CS-2 10DXN335 ST0726C :CS-3 10DXN336
 ST0726E :CS-4 10DXN337 ST0726D :CS-5 10DXN339

Name	Mean	S. D.	%RSD	26JL105D2				
				S6	S5	S7	S9	S8
				RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.111	0.055	2.59 %	2.14	2.09	2.12	2.03	2.18
2,3,7,8-TCDF	1.056	0.035	3.32 %	1.11	1.04	1.02	1.06	1.04
13C-2,3,7,8-TCDD	0.885	0.025	2.78 %	0.91	0.87	0.91	0.86	0.87
2,3,7,8-TCDD	1.636	0.024	1.44 %	1.64	1.67	1.61	1.63	1.62
37Cl-2,3,7,8-TCDD	1.458	0.044	3.01 %	1.40	1.42	1.47	1.49	1.50

Run #1 Filename 26JL105D2 S: 6 I: 1
 Acquired: 26-JUL-10 11:25:40 Processed: 15-SEP-10 09:51:11
 Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R

Comments:

Sample text: ST0726A :CS-1 10DXN342 RI

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	44088800	0.76 y	15:11	-	100.00	n
13C-2,3,7,8-TCDF	94137800	0.80 y	16:22	2.135	100.00	n
2,3,7,8-TCDF	523639	0.72 y	16:23	1.112	0.50	n
13C-2,3,7,8-TCDD	40331700	0.79 y	14:57	0.915	100.00	n
2,3,7,8-TCDD	331274	0.79 y	14:57	1.643	0.50	n
37Cl-2,3,7,8-TCDD	283070	1.00 y	14:57	1.404	0.50	n

Run #2 Filename 26JL105D2 S: 5 I: 1
Acquired: 26-JUL-10 10:33:31 Processed: 15-SEP-10 09:51:11
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Comments:

Sample text: ST0726B :CS-2 10DXN335

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	163657200	0.78 y	15:09	-	100.00	n
13C-2,3,7,8-TCDF	341921000	0.80 y	16:22	2.089	100.00	n
2,3,7,8-TCDF	7128550	0.76 y	16:22	1.042	2.00	n
13C-2,3,7,8-TCDD	142455600	0.77 y	14:55	0.870	100.00	n
2,3,7,8-TCDD	4759860	0.82 y	14:57	1.671	2.00	n
37C1-2,3,7,8-TCDD	4046840	1.00 y	14:57	1.420	2.00	n

Run #3 Filename 26JL105D2 S: 7 I: 1
 Acquired: 26-JUL-10 11:59:28 Processed: 15-SEP-10 09:51:12
 Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
 Comments:
 Sample text: ST0726C :CS-3 10DXN336

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	128251800	0.79 y	15:10	-	100.00	n
13C-2,3,7,8-TCDF	272023000	0.80 y	16:22	2.121	100.00	n
2,3,7,8-TCDF	27756400	0.79 y	16:23	1.020	10.00	n
13C-2,3,7,8-TCDD	116269100	0.80 y	14:56	0.907	100.00	n
2,3,7,8-TCDD	18681120	0.82 y	14:57	1.607	10.00	n
37Cl-2,3,7,8-TCDD	17122860	1.00 y	14:58	1.473	10.00	n

Run #4 Filename 26JL105D2 S: 9 I: 1
Acquired: 26-JUL-10 13:07:04 Processed: 15-SEP-10 09:51:13
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R
Comments:
Sample text: ST0726E :CS-4 10DXN337

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	123056800	0.79 y	15:08	-	100.00	n
13C-2,3,7,8-TCDF	250112000	0.82 y	16:21	2.032	100.00	n
2,3,7,8-TCDF	106424800	0.78 y	16:22	1.064	40.00	n
13C-2,3,7,8-TCDD	105587000	0.78 y	14:54	0.858	100.00	n
2,3,7,8-TCDD	69020900	0.83 y	14:55	1.634	40.00	n
37Cl-2,3,7,8-TCDD	62912400	1.00 y	14:55	1.490	40.00	n

Run #5 Filename 26JL105D2 S: 8 I: 1
Acquired: 26-JUL-10 12:33:16 Processed: 15-SEP-10 09:51:13
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0726105D2R

Comments:

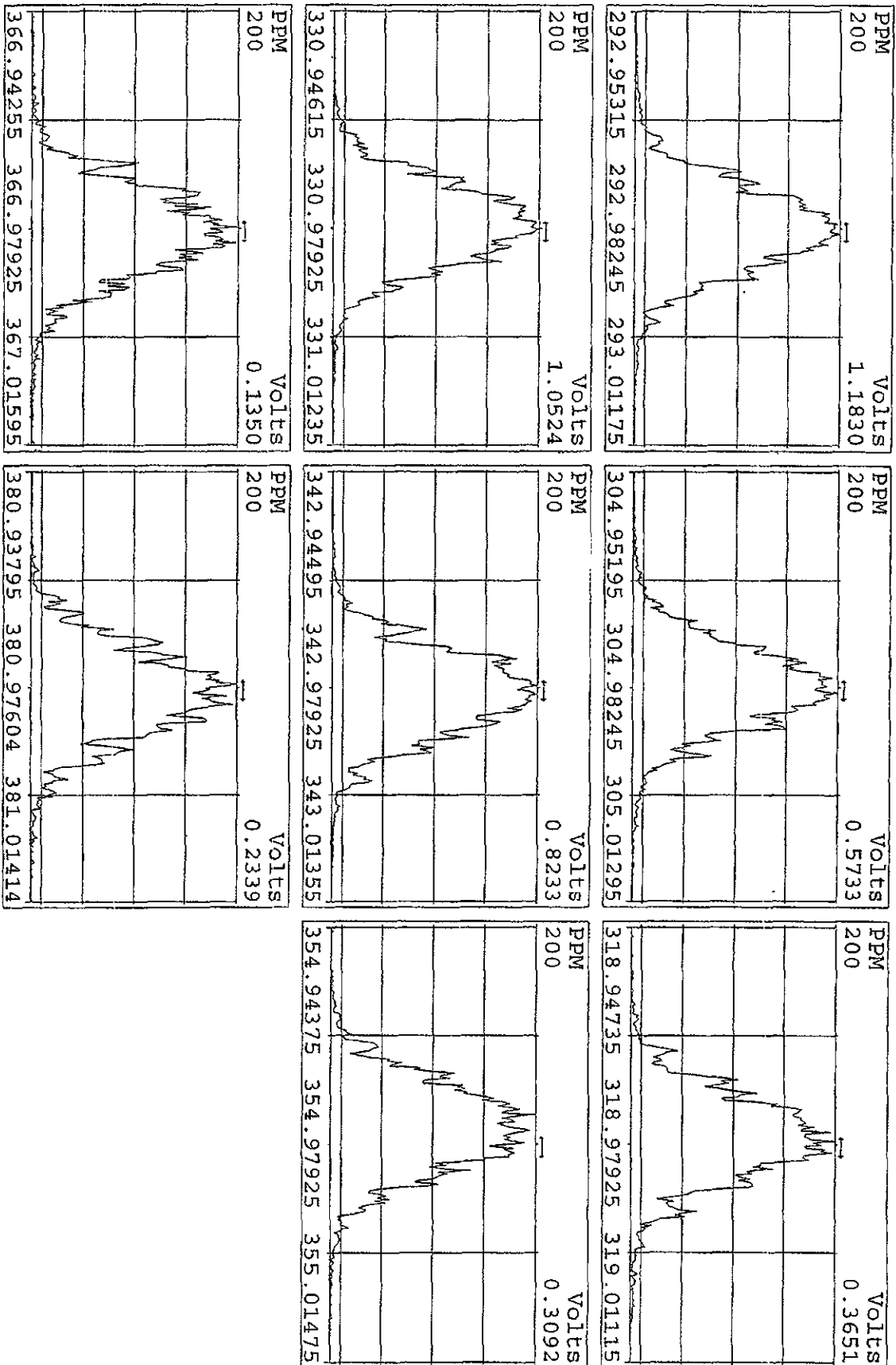
Sample text: ST0726D :CS-5 10DXN339

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	131444700	0.78 y	15:10	-	100.00	n
13C-2,3,7,8-TCDF	286396000	0.80 y	16:22	2.179	100.00	n
2,3,7,8-TCDF	596616000	0.78 y	16:23	1.042	200.00	n
13C-2,3,7,8-TCDD	114849700	0.78 y	14:56	0.874	100.00	n
2,3,7,8-TCDD	373245000	0.82 y	14:57	1.625	200.00	n
37Cl-2,3,7,8-TCDD	345562000	1.00 y	14:57	1.504	200.00	n

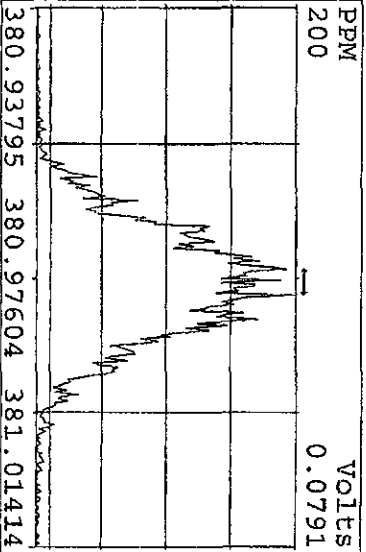
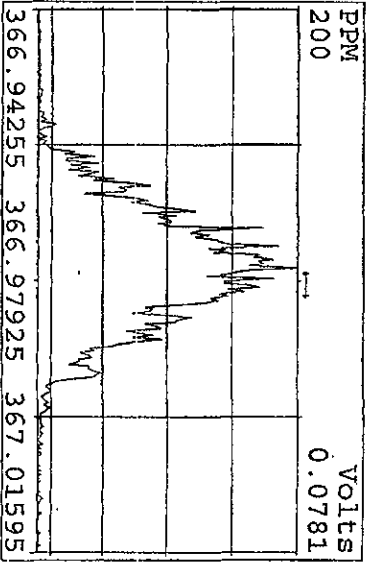
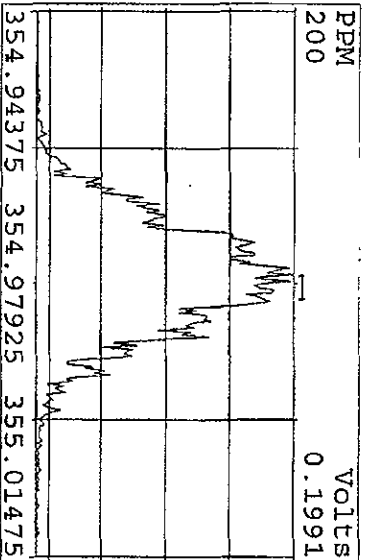
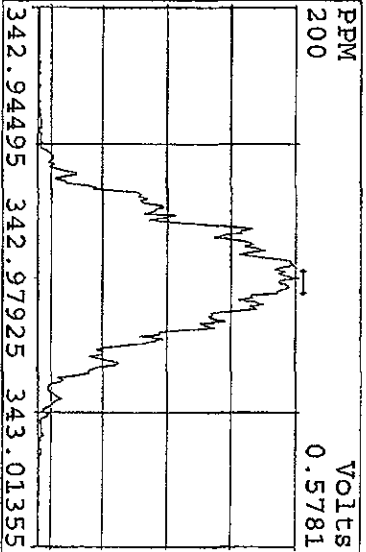
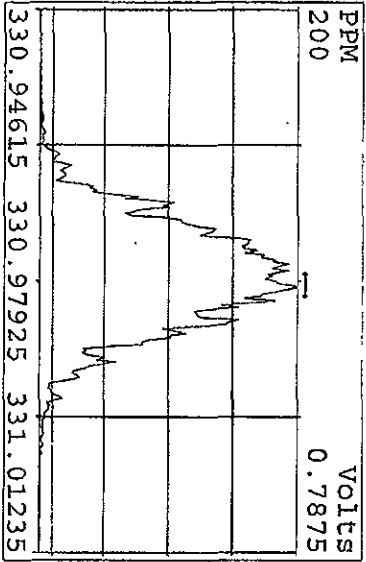
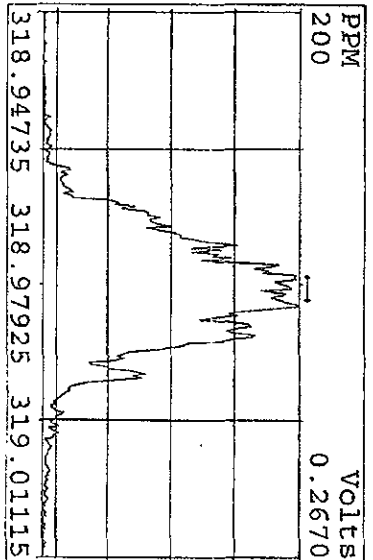
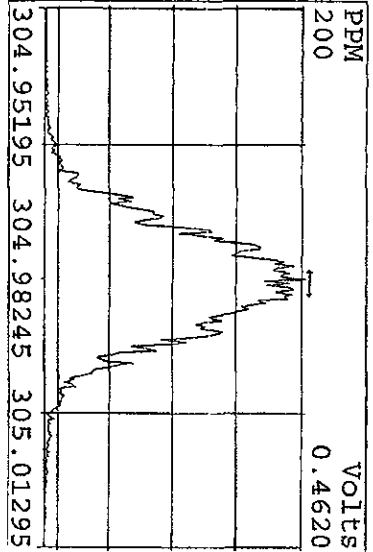
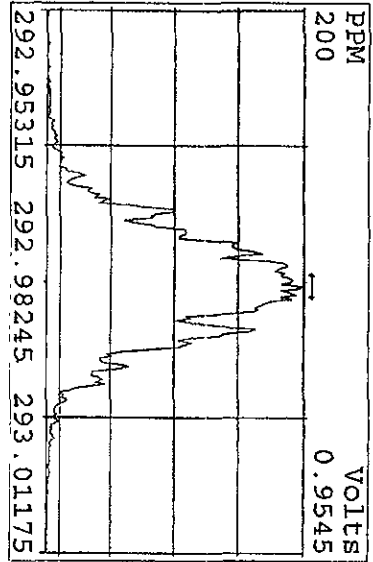
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
26JL105D2	1	CP0726	DB-225 CPSM 3732-06				1.0000	
26JL105D2	2	SB0726	Solvent Blank C-14				1.0000	
26JL105D2	3	ST0726	CS-0.2 10DXN333				1.0000	
26JL105D2	4	ST0726A	CS-1 10DXN342				1.0000	
26JL105D2	5	ST0726B	CS-2 10DXN335				1.0000	
26JL105D2	6	ST0726A	CS-1 10DXN342 RI				1.0000	
26JL105D2	7	ST0726C	CS-3 10DXN336				1.0000	
26JL105D2	8	ST0726D	CS-5 10DXN339				1.0000	
26JL105D2	9	ST0726E	CS-4 10DXN337				1.0000	
26JL105D2	10	ST0726F	2nd Source 10DXN340				1.0000	
26JL105D2	11						1.0000	
26JL105D2	12						1.0000	
26JL105D2	13						1.0000	
26JL105D2	14		KSS 07/26/10				1.0000	

*logfile v'd
NK 7/26/10*

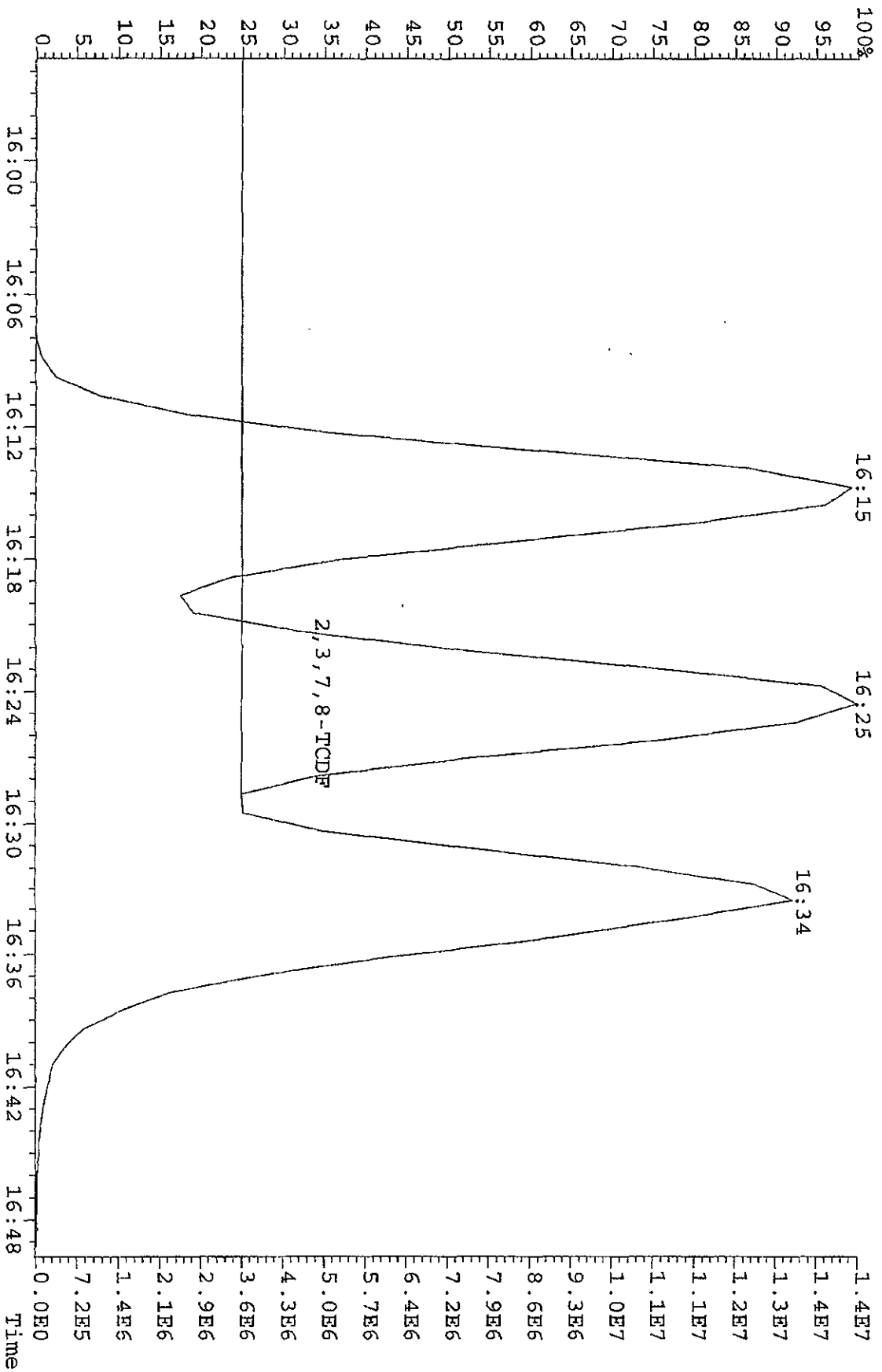
Peak Locate Examination: 26-JUL-2010: 08:17 File: 26JUL105D2
 Experiment: DB225RFS Function: 1 Reference: PRK



Peak Locate Examination: 26-JUL-2010:14:43 File: 26JUL105D2ENDRES
 Experiment: DB225RES Function: 1 Reference: PFK



File: 26JUL105D2 #1-720 Acq: 26-JUL-2010 08:18:34 GC FI+ Voltage SIR 70SE
303.9016 BSUB(128,15,-3.0) Exp: DB225RES Noise: 1410



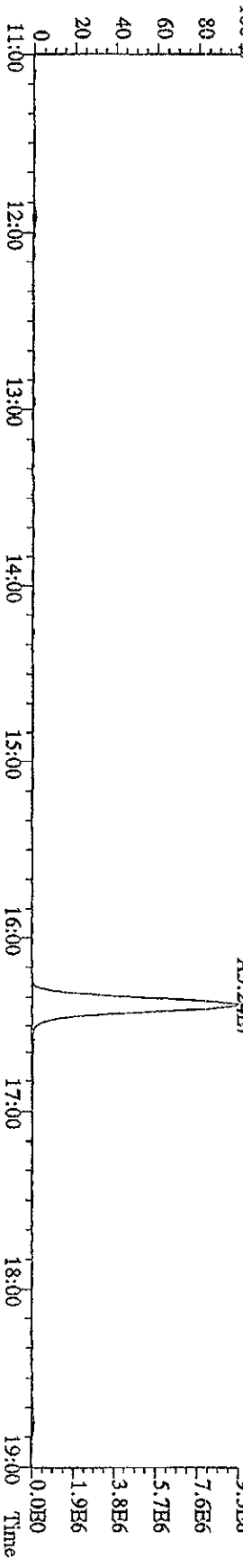
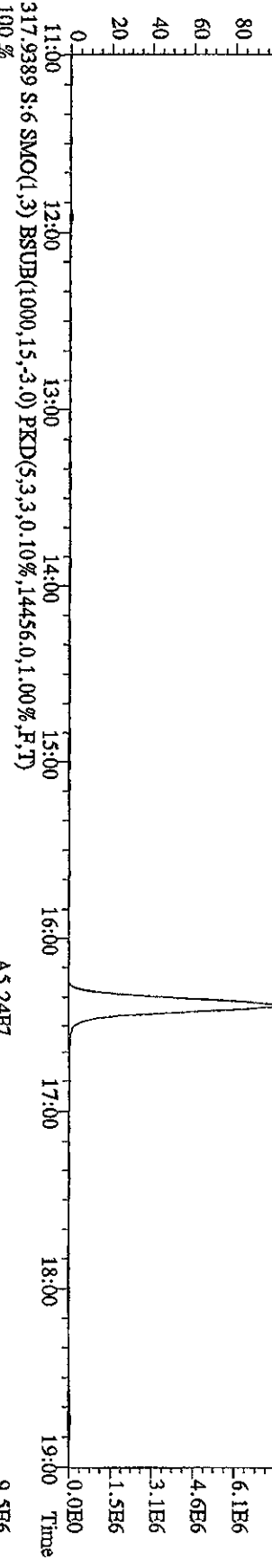
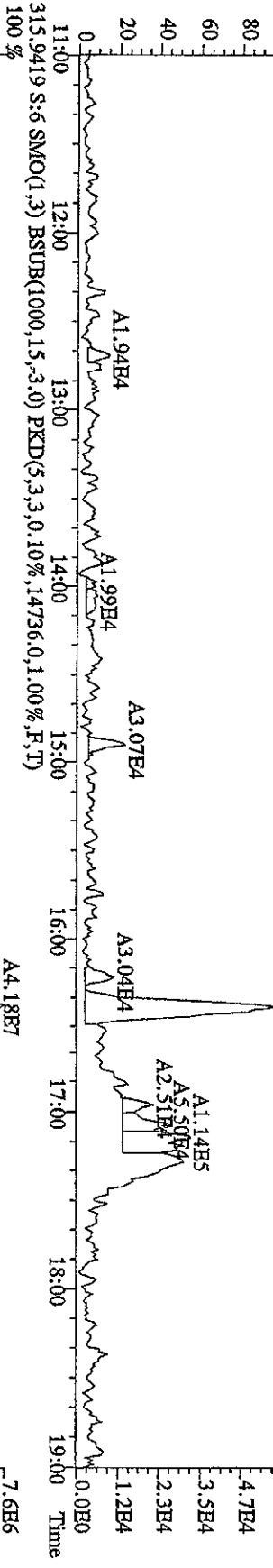
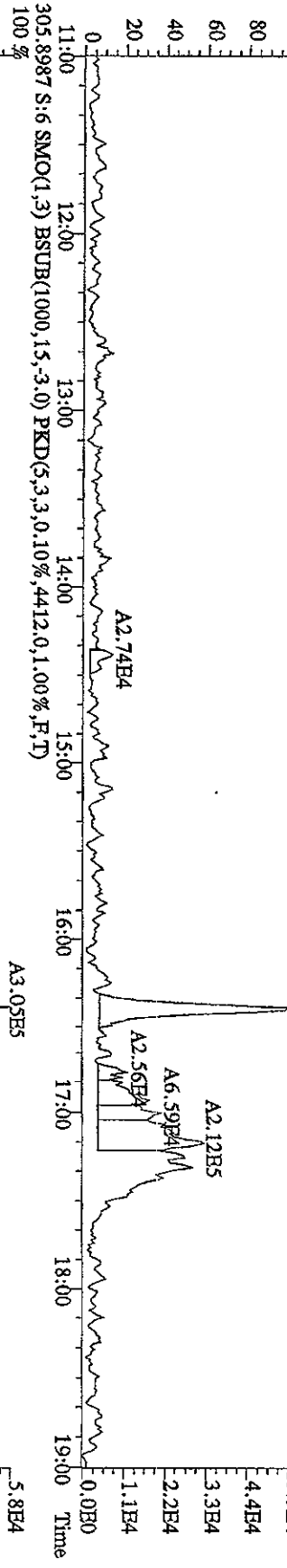
Run text: ST0726F Sample text: ST0726F :2nd Source 10DXN340
 Run #6 Filename: 26JL105D2 S: 10 I: 1 Results: 26JL105D2DB225
 Acquired: 26-JUL-10 13:40:52 Processed: 26-JUL-10 14:33:34
 Run: 26JL105D2 Analyte: DB225 Cal: DB2250726105D2
 Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000

Spiked @ 200

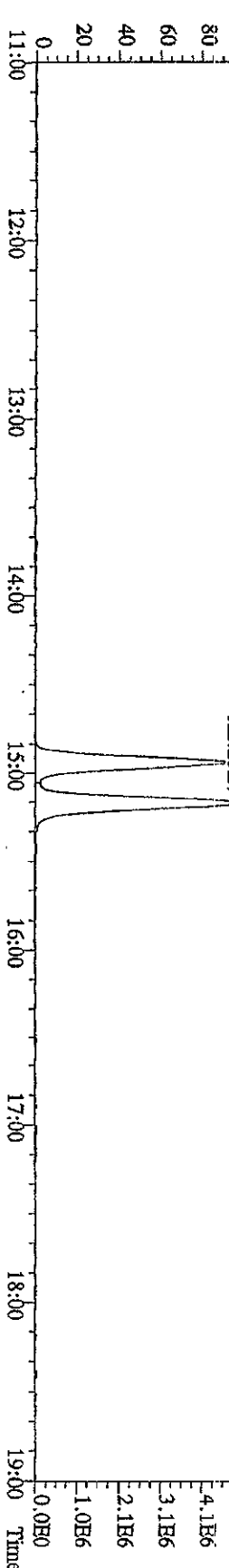
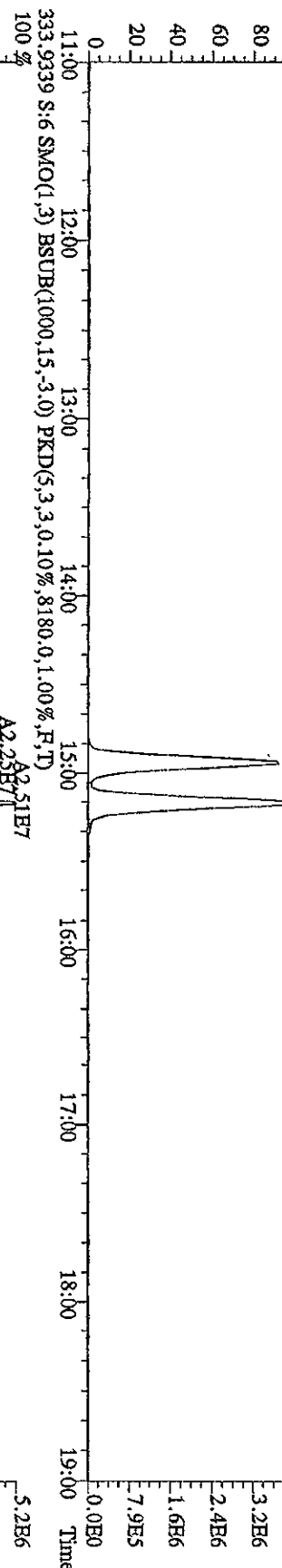
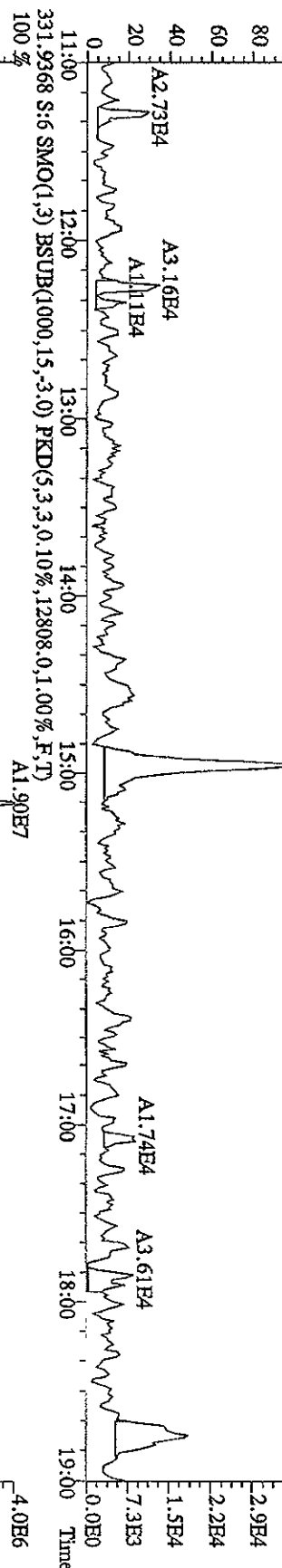
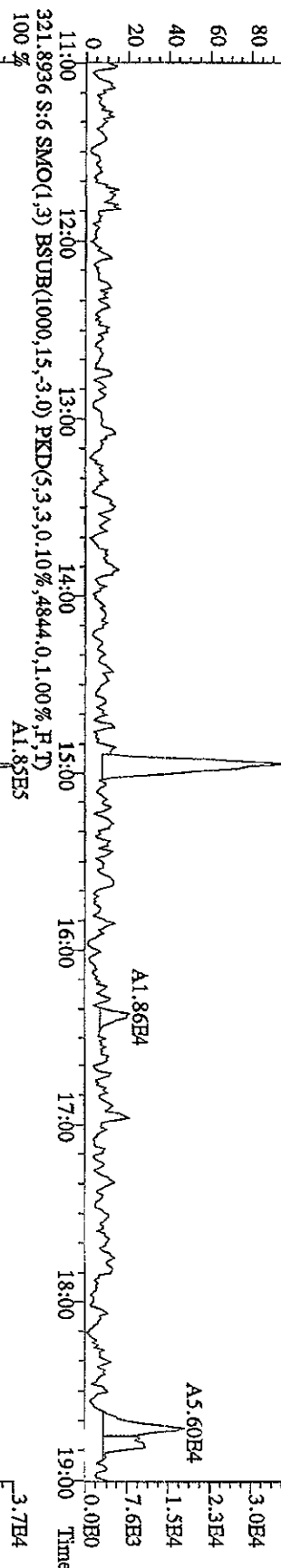
*7/26/10
13:55*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	117485800	0.79 y	15:10	-	99.48	-	-	n
13C-2,3,7,8-TCDF	262969000	0.78 y	16:22	2.11	2120.25	5.39	106.0	n
2,3,7,8-TCDF	25049900	0.79 y	16:23	1.06	180.39 ✓ 90%	1.31	-	n
13C-2,3,7,8-TCDD	111918800	0.79 y	14:56	0.88	2153.49	7.15	107.7	n
2,3,7,8-TCDD	17243860	0.81 y	14:57	1.64	188.37 ✓ 94%	1.74	-	n
37Cl-2,3,7,8-TCDD	31323200	1.00 y	14:57	1.29	413.47	2.68	103.4	n

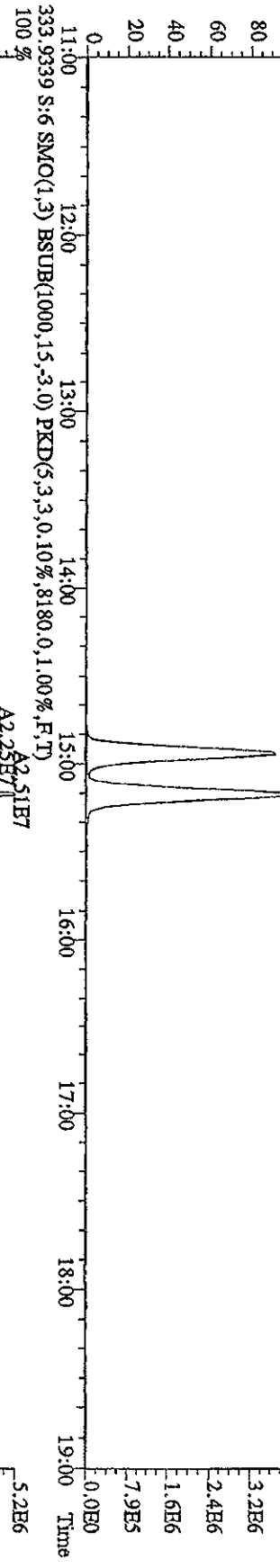
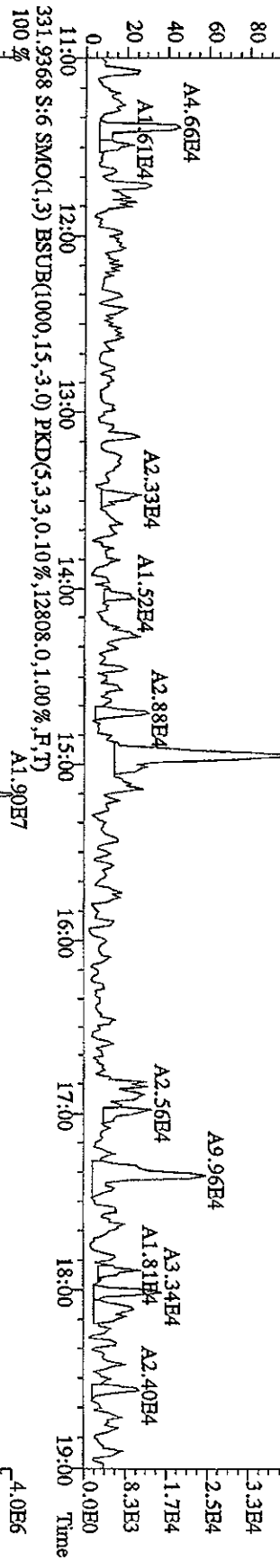
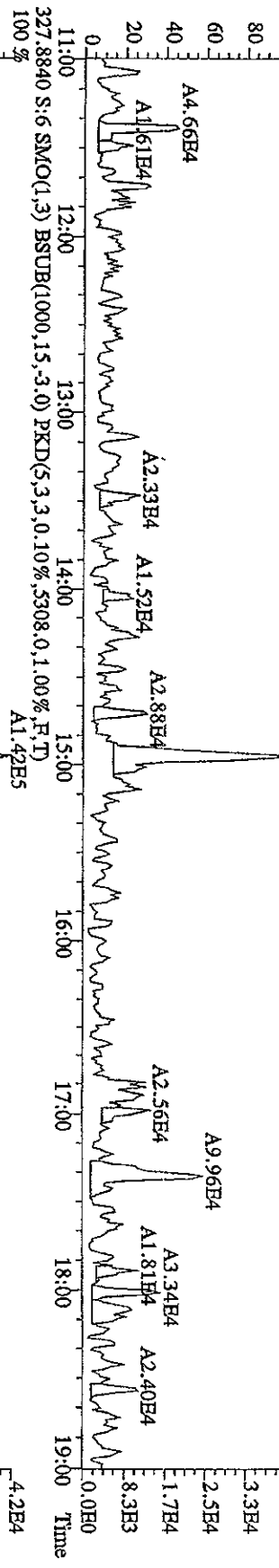
File:26JUL105D2 #1-1242 Acq:26-JUL-2010 11:25:40 GC BI+ Voltage SIR 70SE
 Sample#6 Text:ST0726A :CS-1 10DXN342 RI Exp:DB225RES
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3908.0,1.00%,F,T)
 100 %



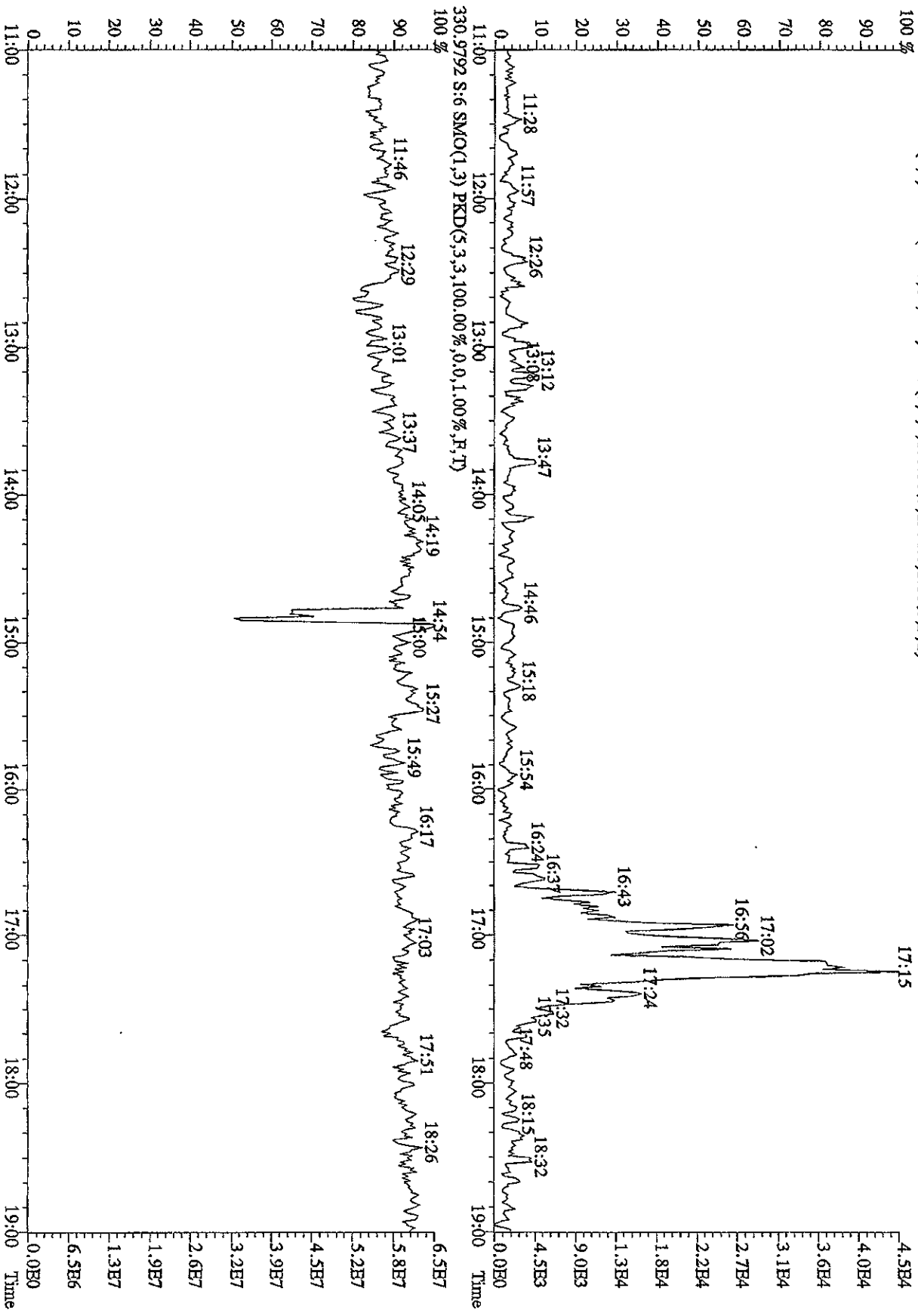
File: 261105D2 #1-1242 Acq: 26-JUL-2010 11:25:40 GC: EI+ Voltage: SIR 70SE
 Sample#6 Text: ST0726A :CS-1 10DXN342 RI Exp: DB225RES
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4844,0,1,00%,F,T) A1.46E5



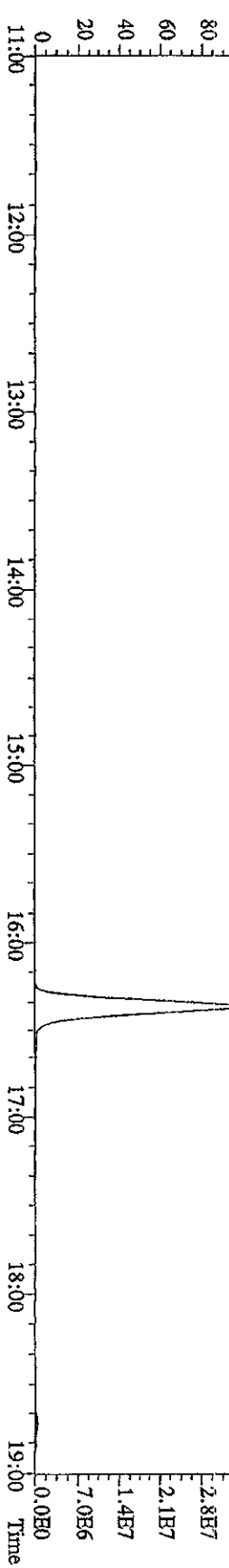
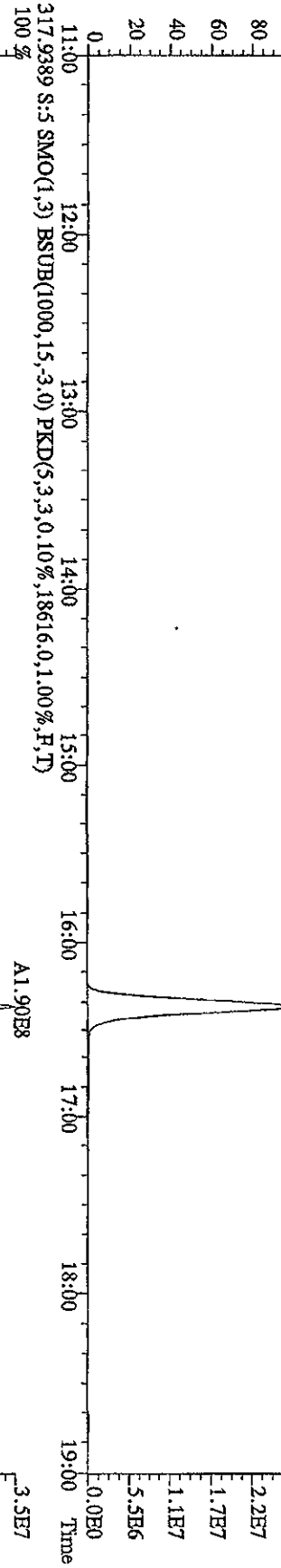
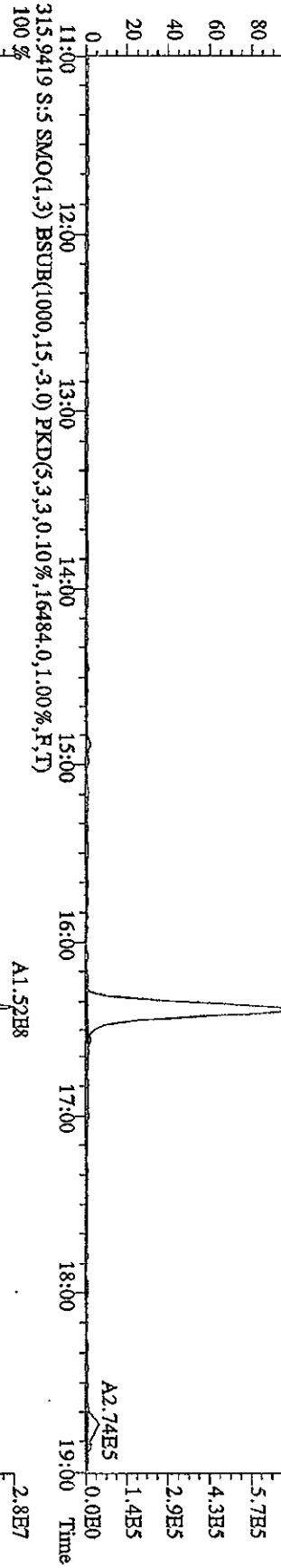
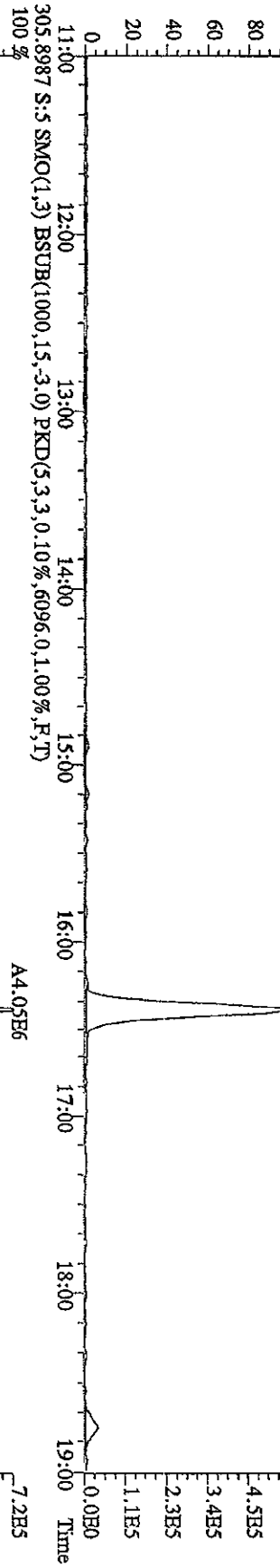
File:261J105D2 #1-1242 Acq:26-JUL-2010 11:25:40 GC HI+ Voltage SIR 70SE
 Sample#6 Text:ST0726A :CS-110DXN342 RI Exp:DB225RBS
 327.8840 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.5308,0.1,0.00%,F,T) A1.42E5



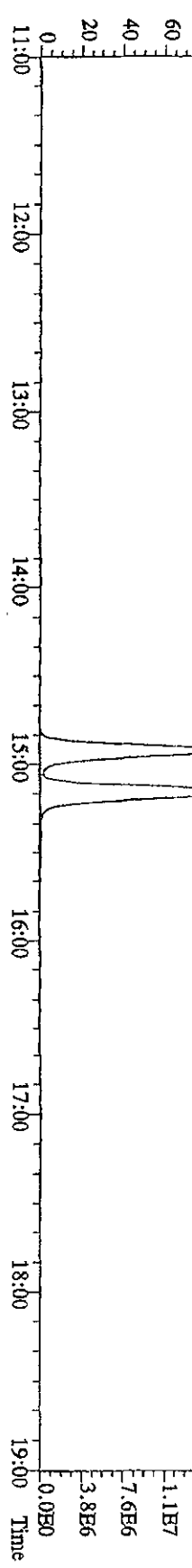
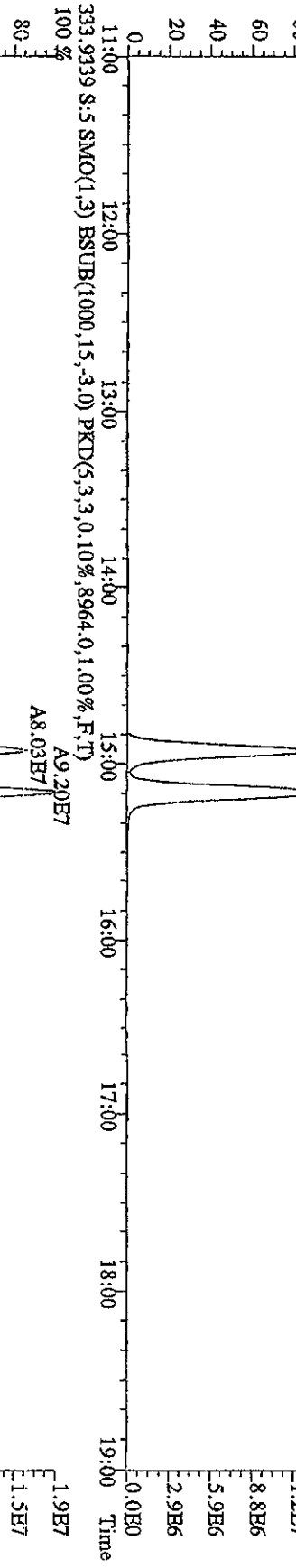
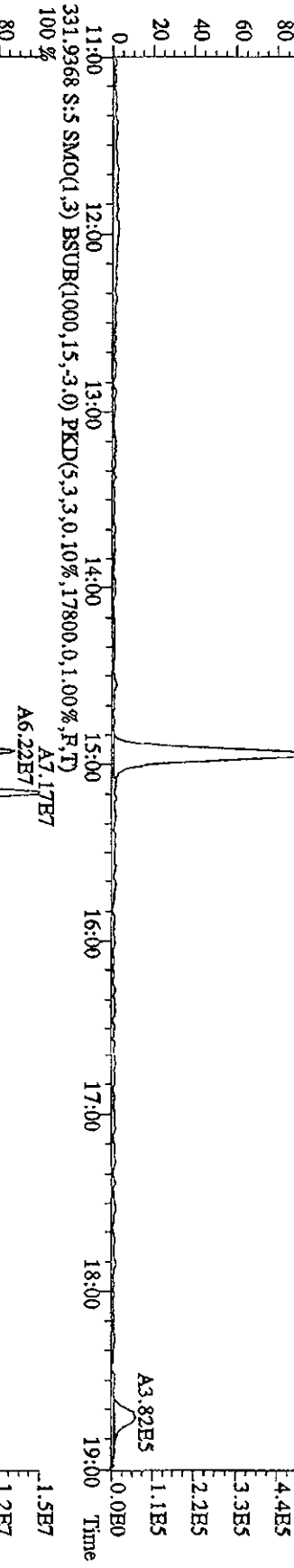
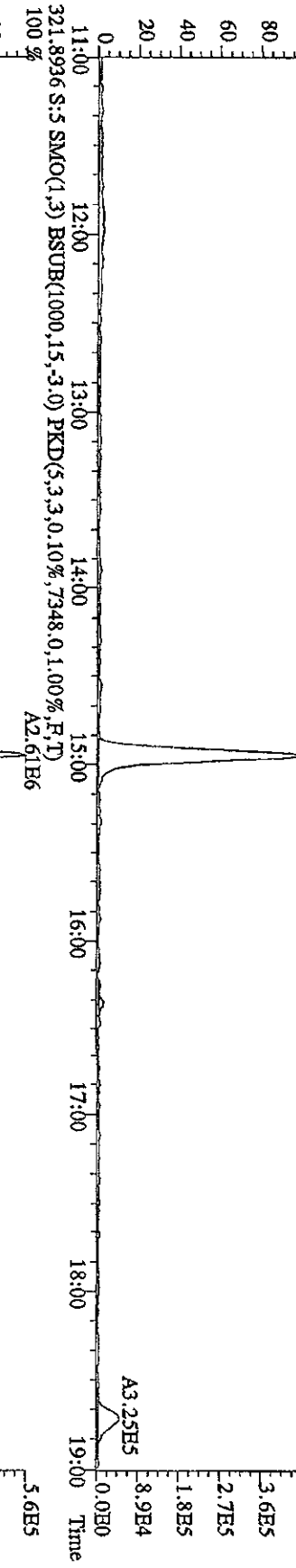
File: 26JUL10SD2 #1-1242 Acq: 26-JUL-2010 11:25:40 GC EI+ Voltage: SIR 70SE
 Sample#6 Text: ST0726A ;CS-1 10DXN342 RI Exp: DB225RES
 375.8364 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,100.00%,1976.0,1.00%,F,T)



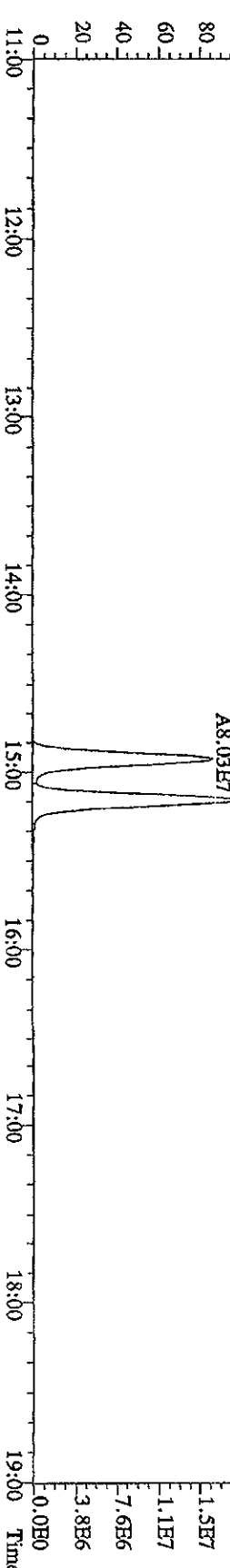
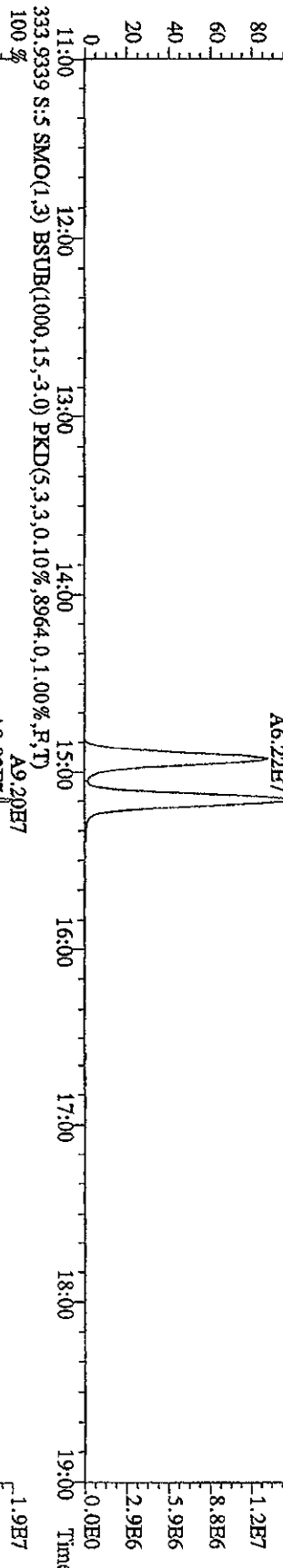
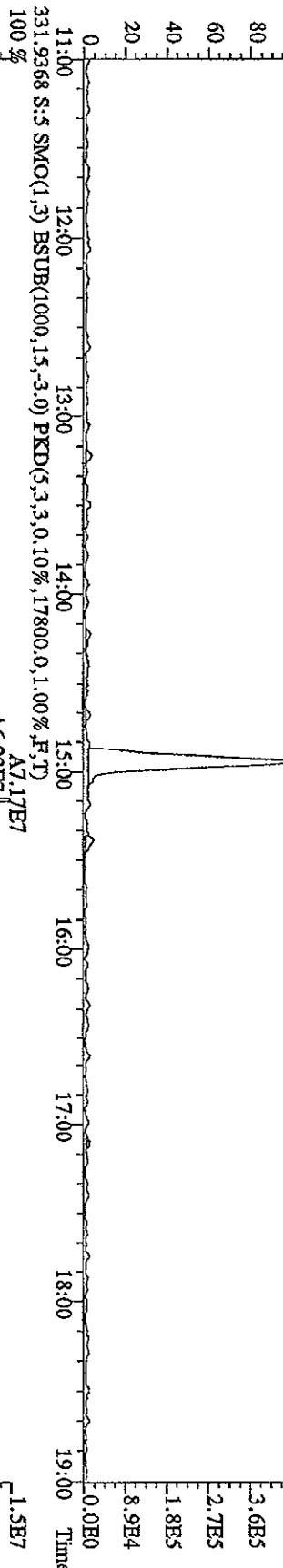
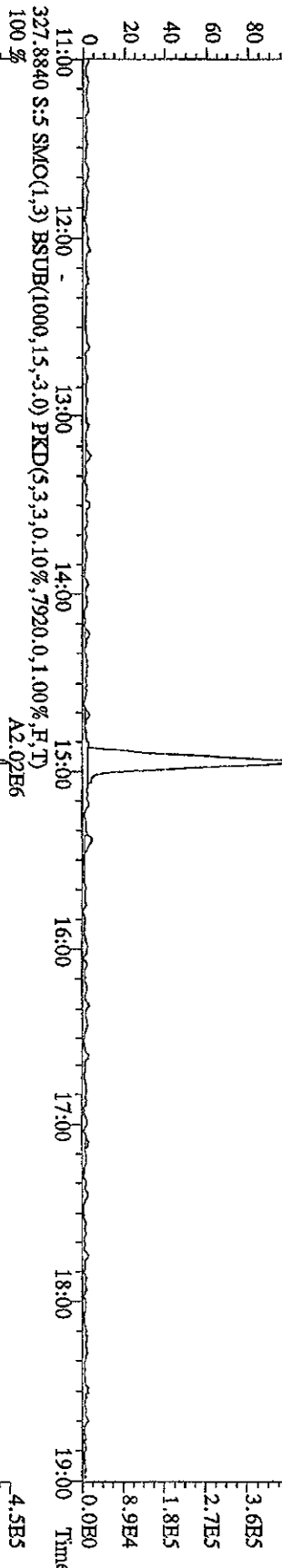
File:26L105D2 #1-1242 Acq:26-JUL-2010 10:33:31 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST0726B :CS-2 10DXN335 Exp:DB25RES
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5060,0,1.00%,F,T)



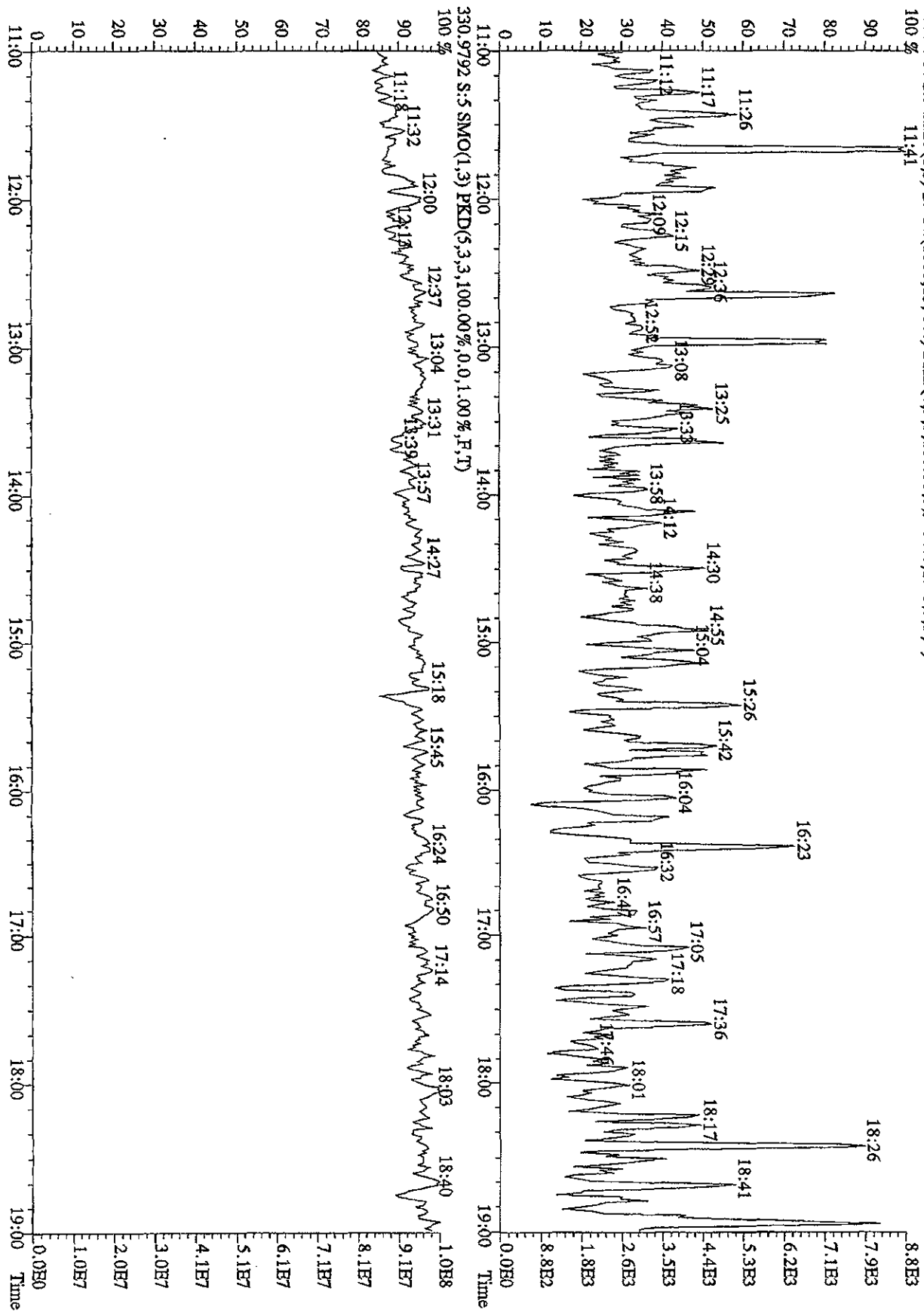
File: 26L105D2 #1-1242 Acq: 26-JUL-2010 10:33:31 GC EI+ Voltage: 8R 70SE
 Sample#5 Text: ST0726B :CS-2 10DXN335 Exp: DB25RES
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5400,0.1,0.0%,F,T)
 100%



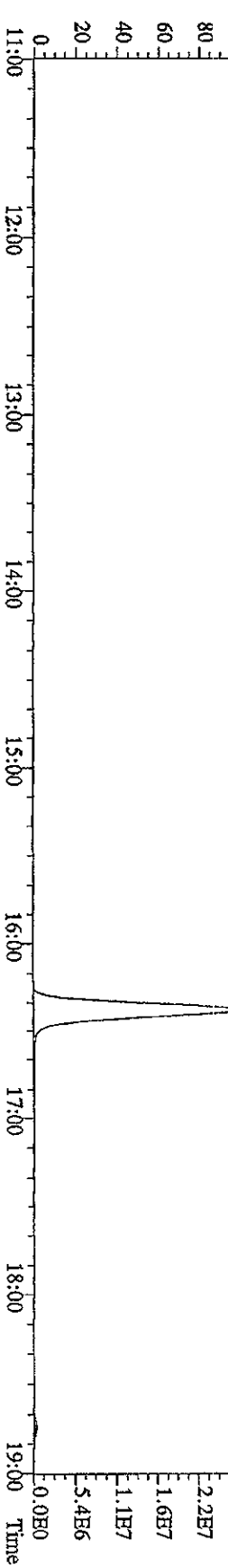
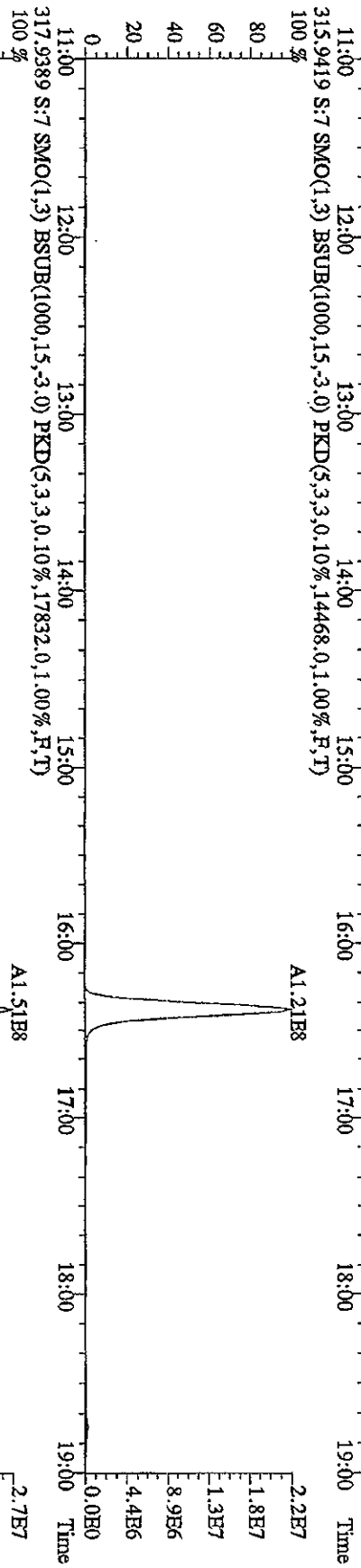
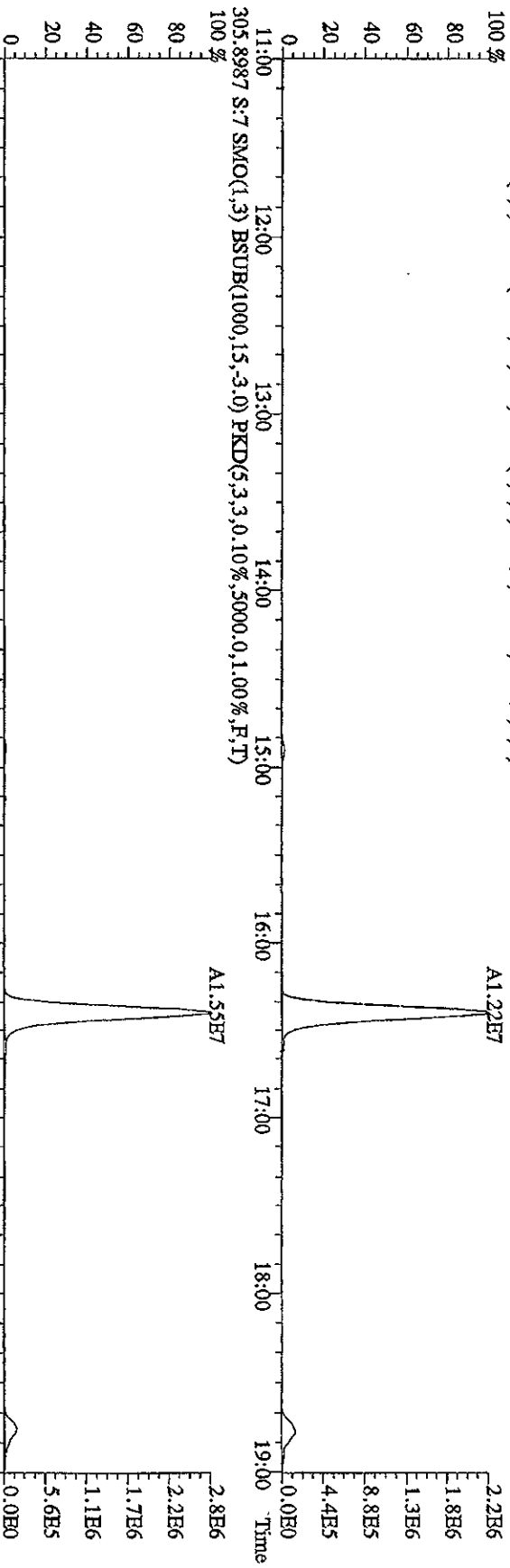
File: 26L105D2 #1-1242 Acq: 26-JUL-2010 10:33:31 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST0726B :CS-2 10DXN335 Exp: DB225RBS
 327.8840 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7920,0,1.00%,F,T)
 100% A2.02E6



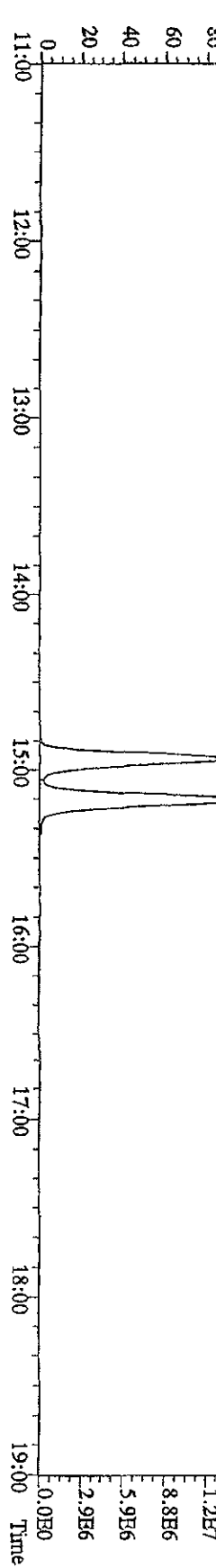
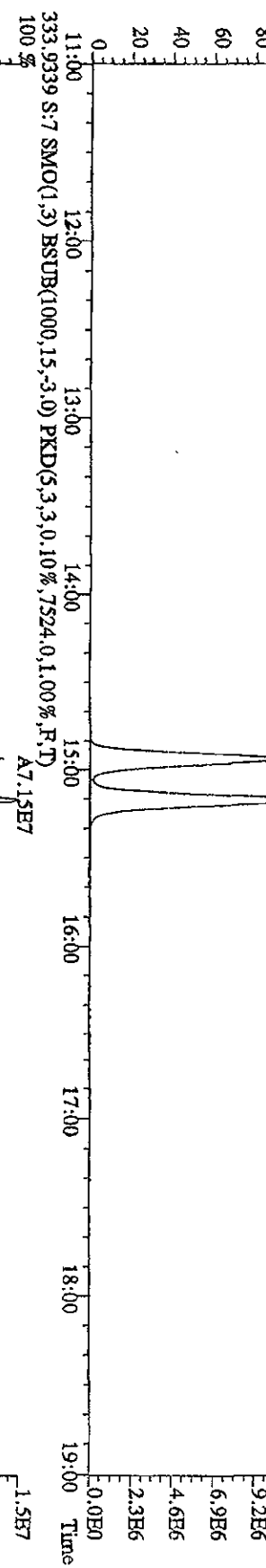
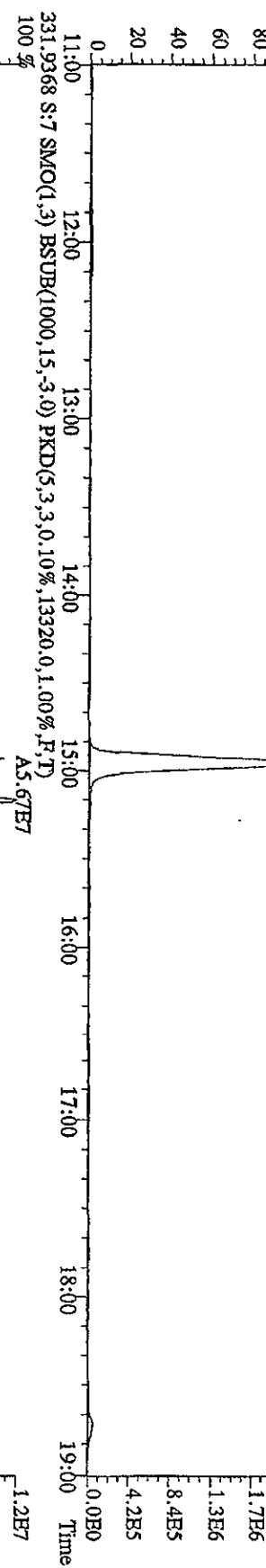
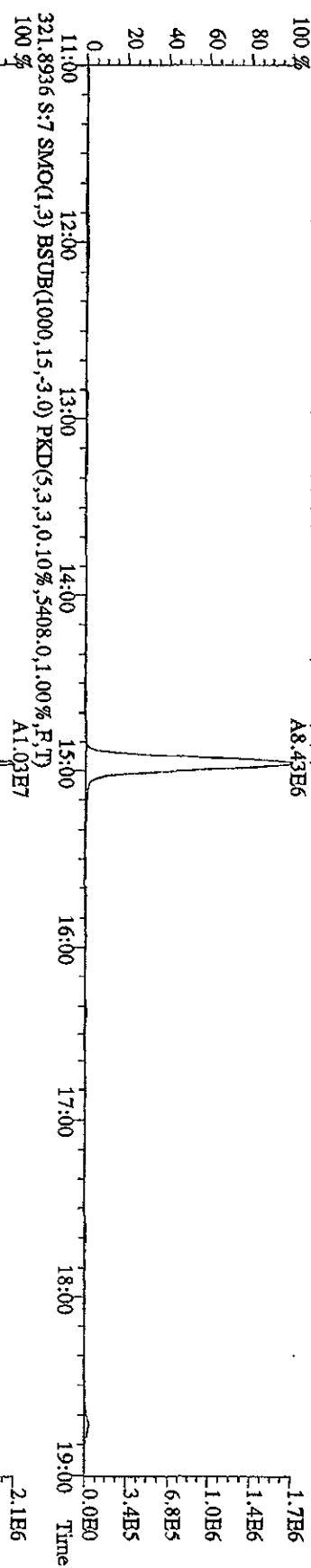
File: 261JL105D2 #1-1242 Acq: 26-JUL-2010 10:33:31 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST0726B :CS-2-10DXN335 Exp: DB225RES
 375.8364 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100,00%,3156,0,1,00%,F,T)
 100%



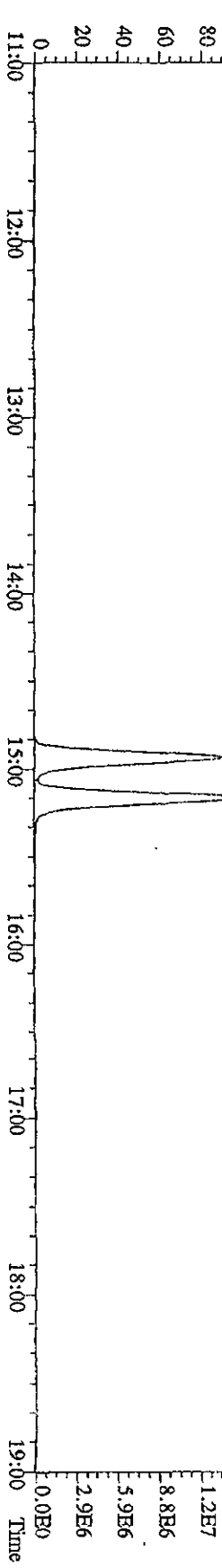
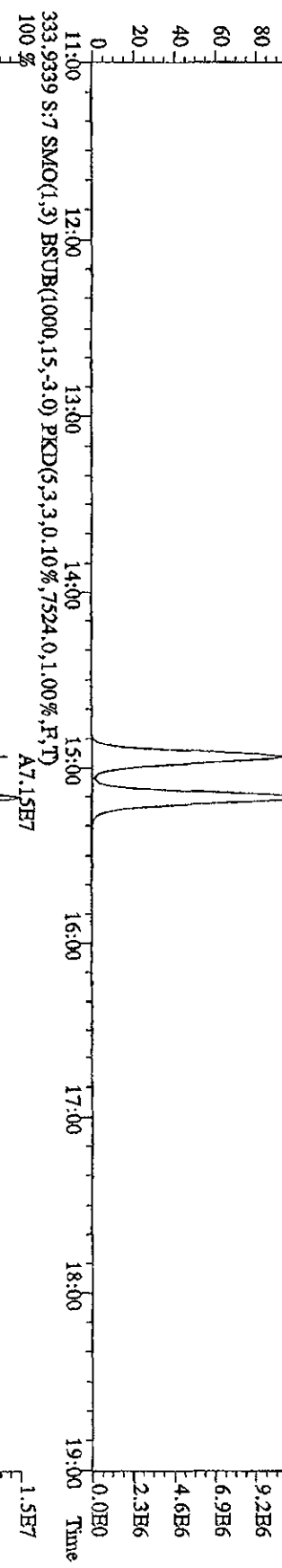
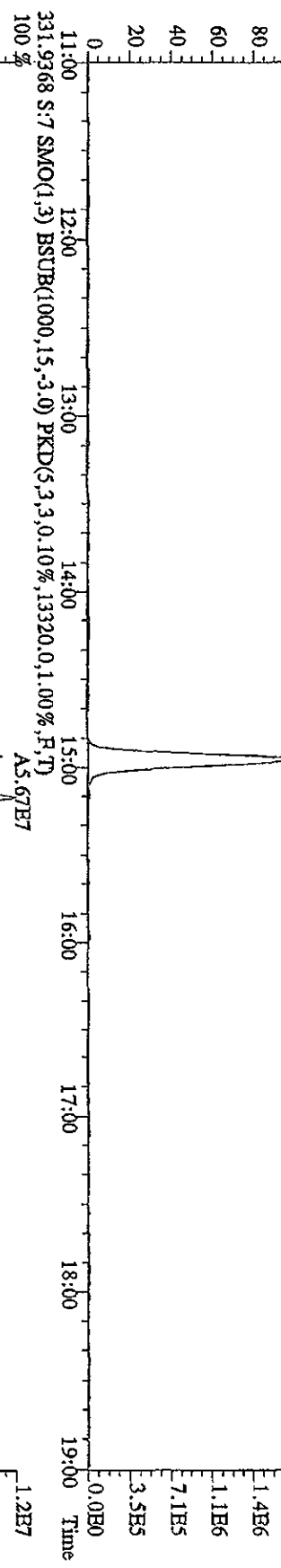
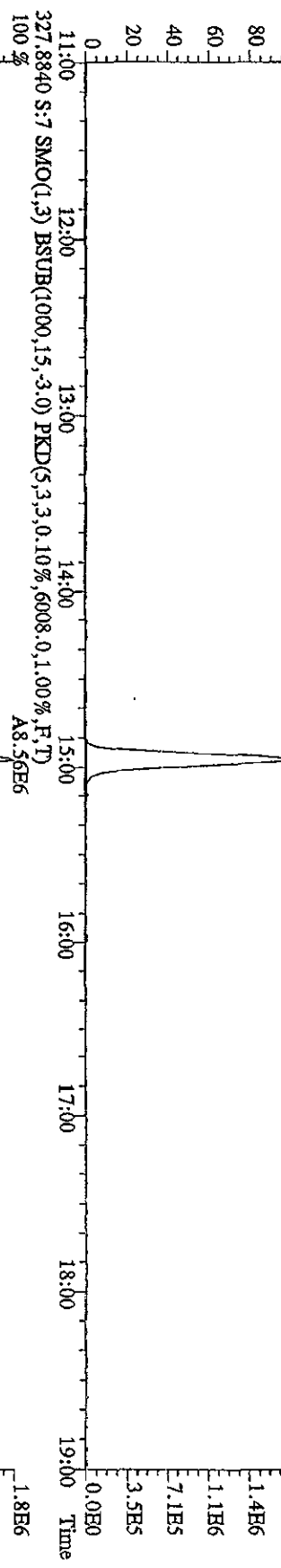
File: 2611105D2 #1-1242 Acq: 26-JUL-2010 11:59:28 GC EI+ Voltage SIR 70SE
 Sample#7 Text: ST0726C :CS-3 10DXN336 Exp: DB225RHS
 303.9016 S: 7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3660,0,1,00%,F,T)



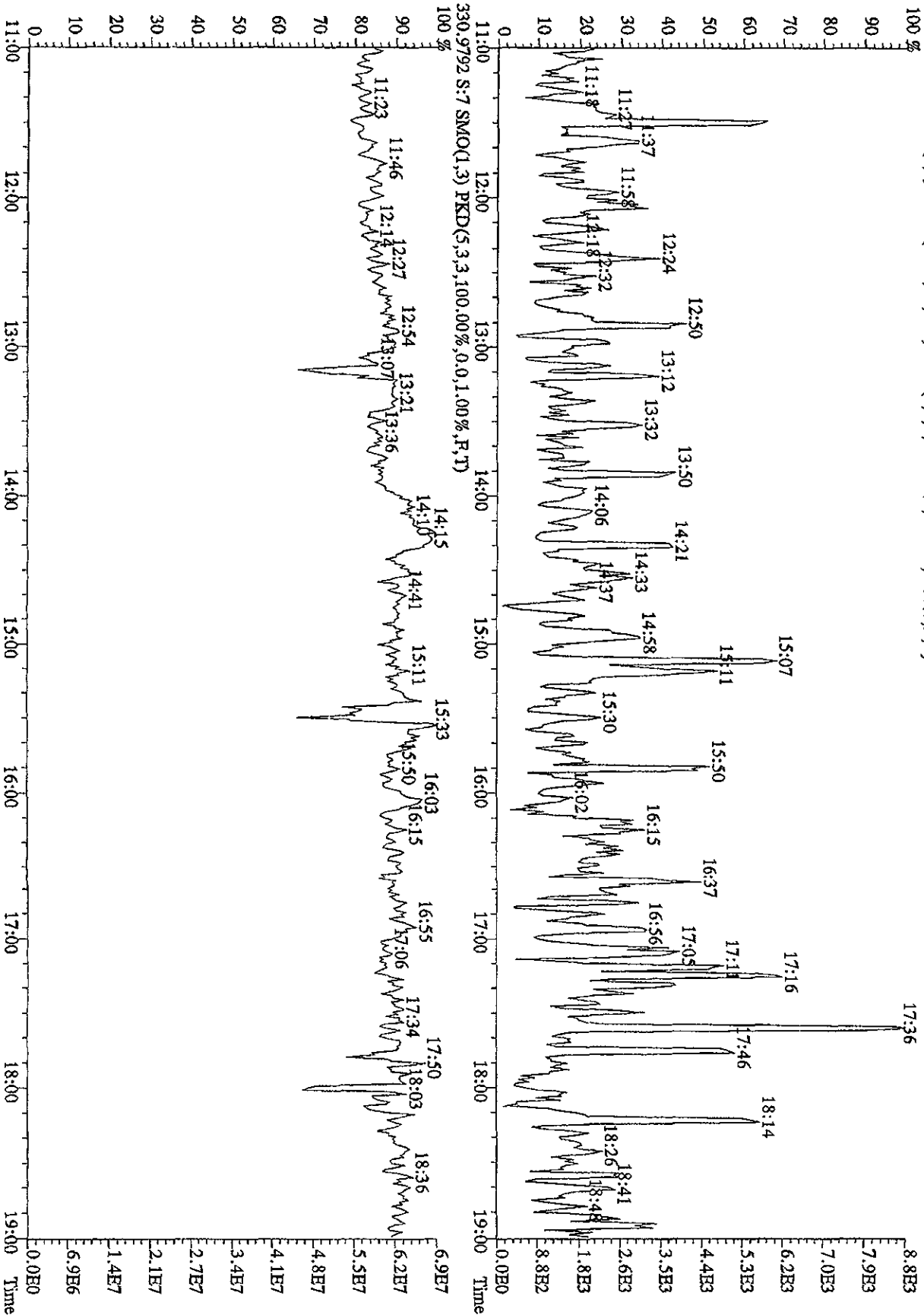
File:261L105D2 #1-1242 Acq:26-JUL-2010 11:59:28 GC HI+ Voltage SIR 70SE
 Sample#7 Text:ST0726C :CS-3 10DXN336 Exp:DB25RES
 319.8965 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4208,0,1,00%,F,T)
 100 % A8.43E6



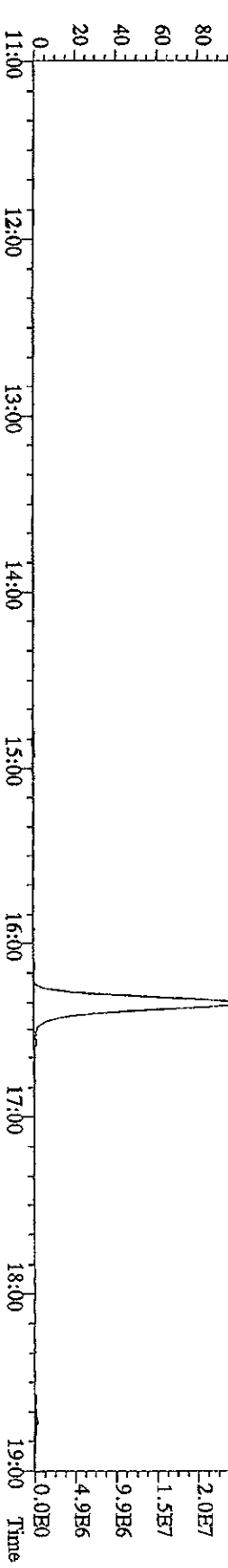
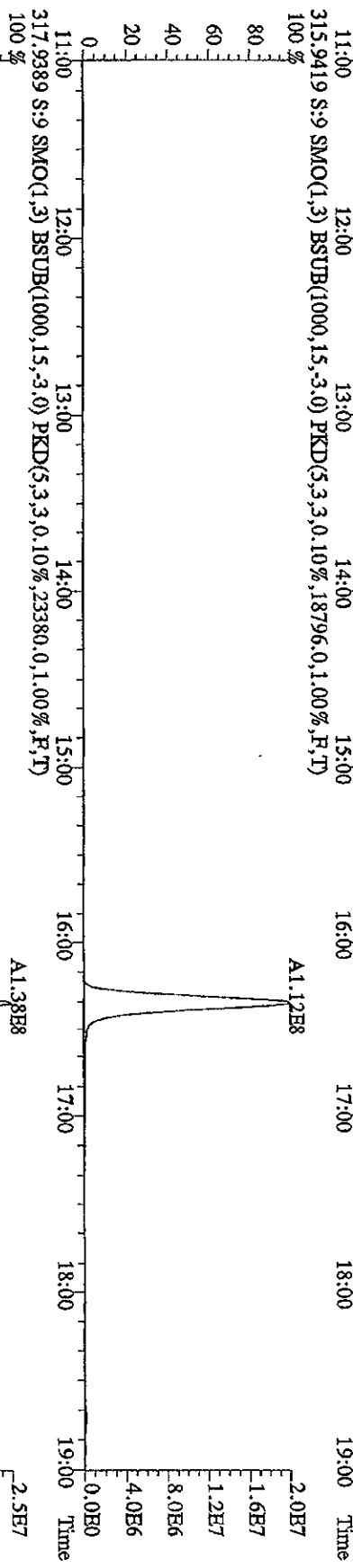
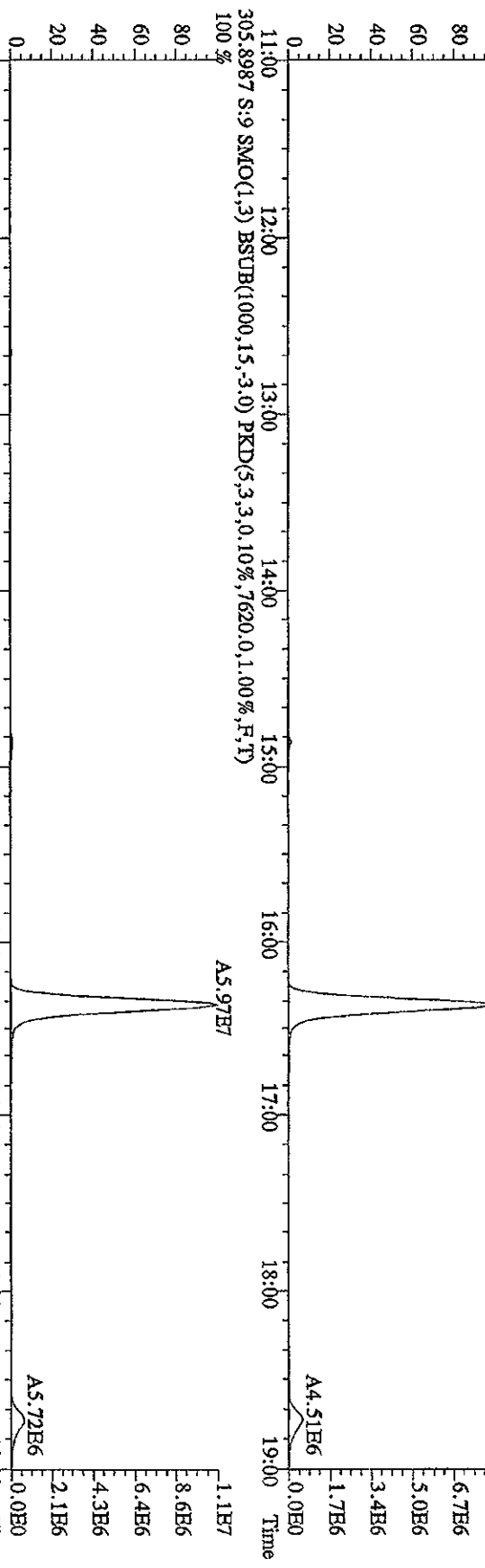
File:261L105D2 #1-1242 Acq:26-JUL-2010 11:59:28 GC EI+ Voltage SIR 70SE
 Sample#7 Text:ST0726C :CS-3 10DXN336 Bxp:DB225RBS
 327.8840 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6008,0,1.00%,F,T)
 100% A8.56E6



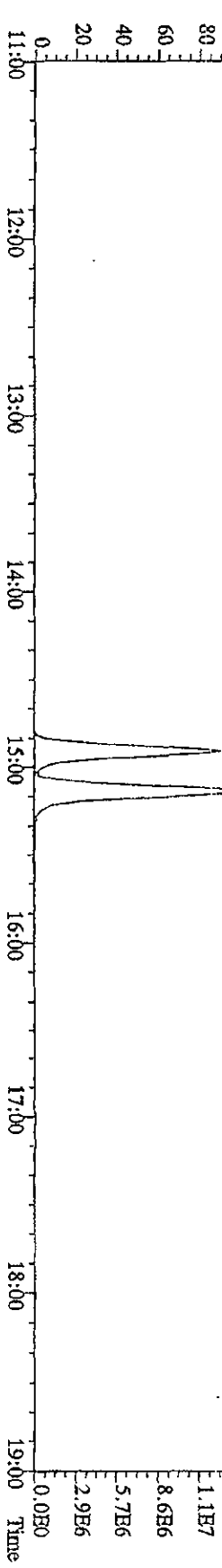
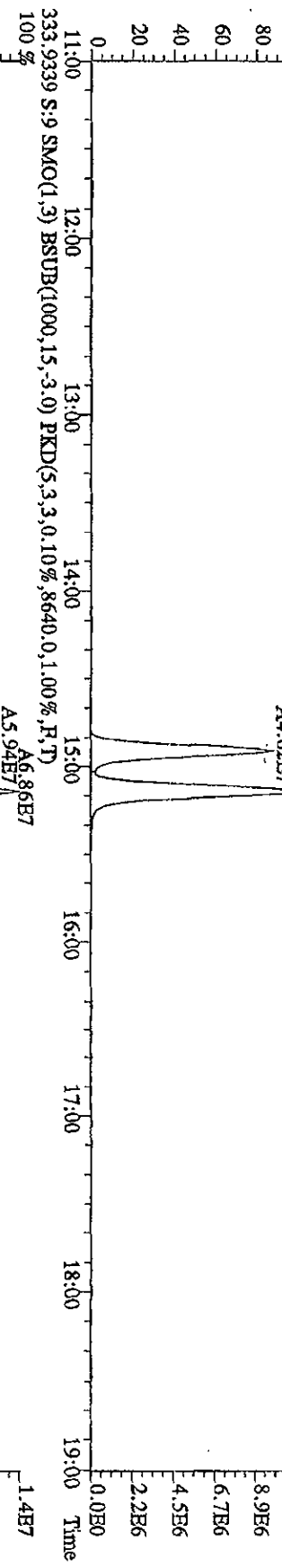
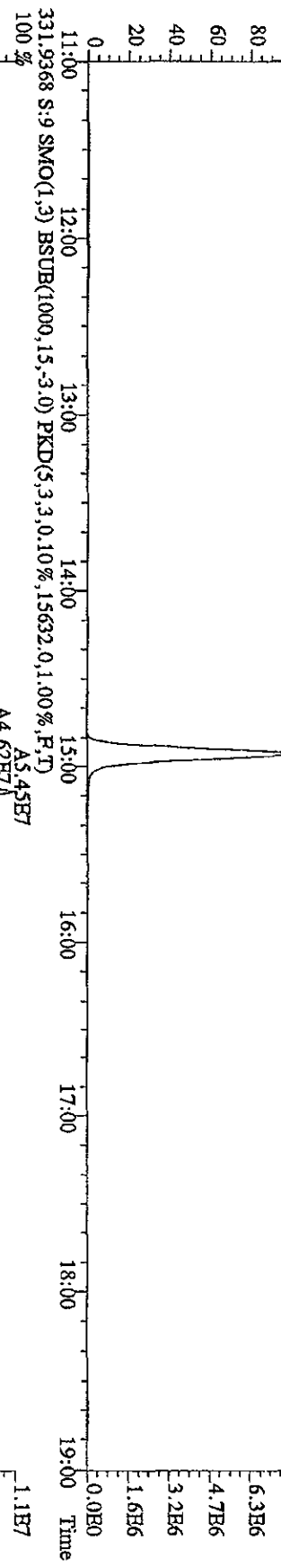
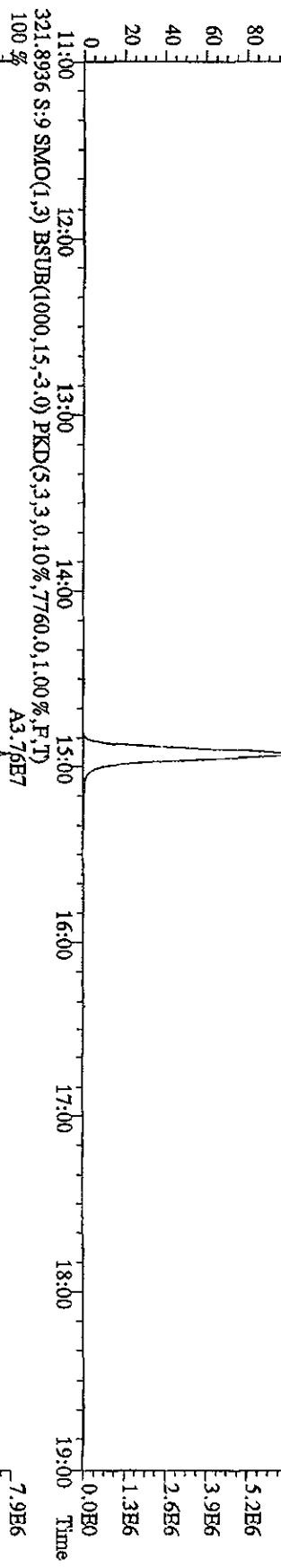
File:261L105D2 #1-1242 Acq:26-JUL-2010 11:59:28 GC HI + Voltage SIR 70SE
 Sample#7 Text:ST0726C :CS-3 10DXN336 Exp:DB225RES
 375.8364 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2000.0,1.00%,F,T)



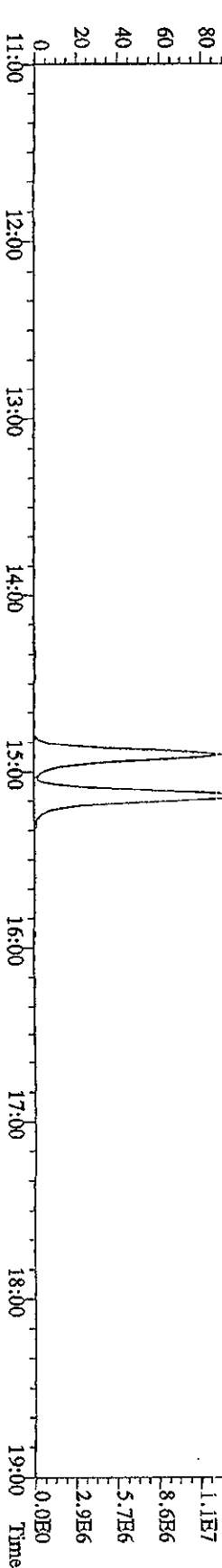
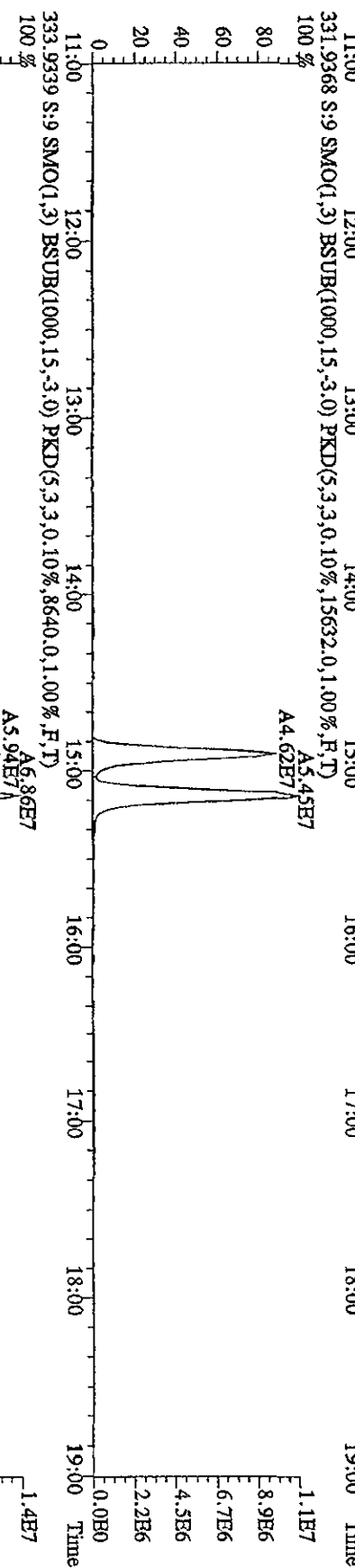
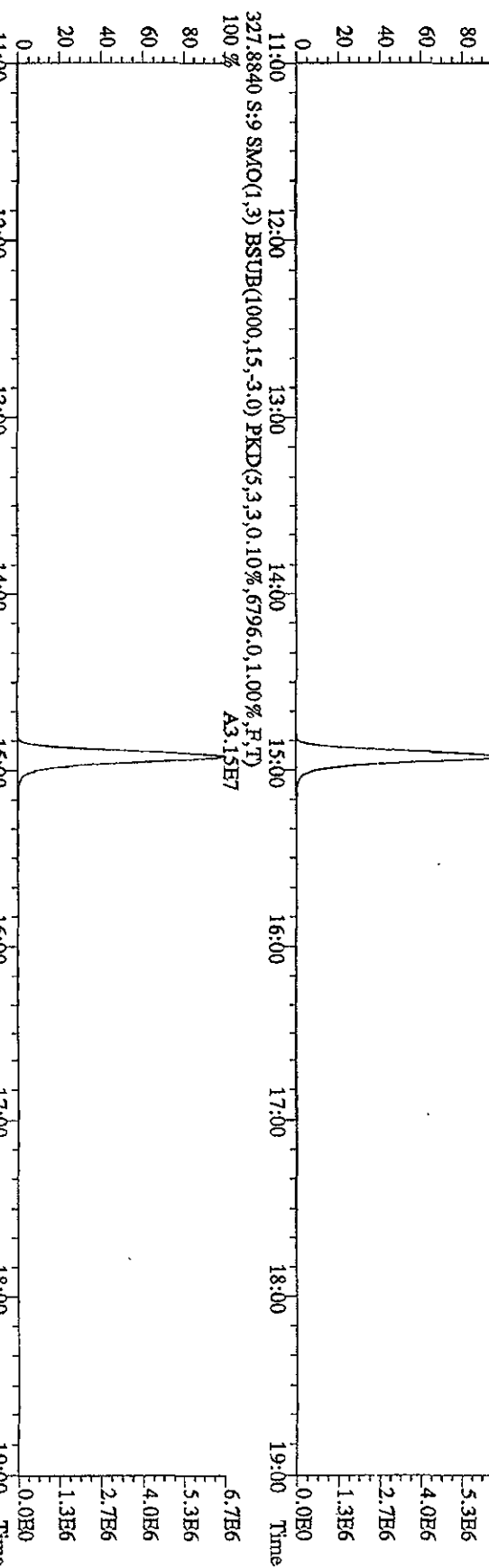
File:261105D2 #1-1242 Acq:26-JUL-2010 13:07:04 GC HI+ Voltage SIR 70SE
 Sample#9 Text:ST0726E :CS-4 10DXN337 Exp:DB25RES
 303.9016 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6232,0,1,00%,F,T)
 100 %



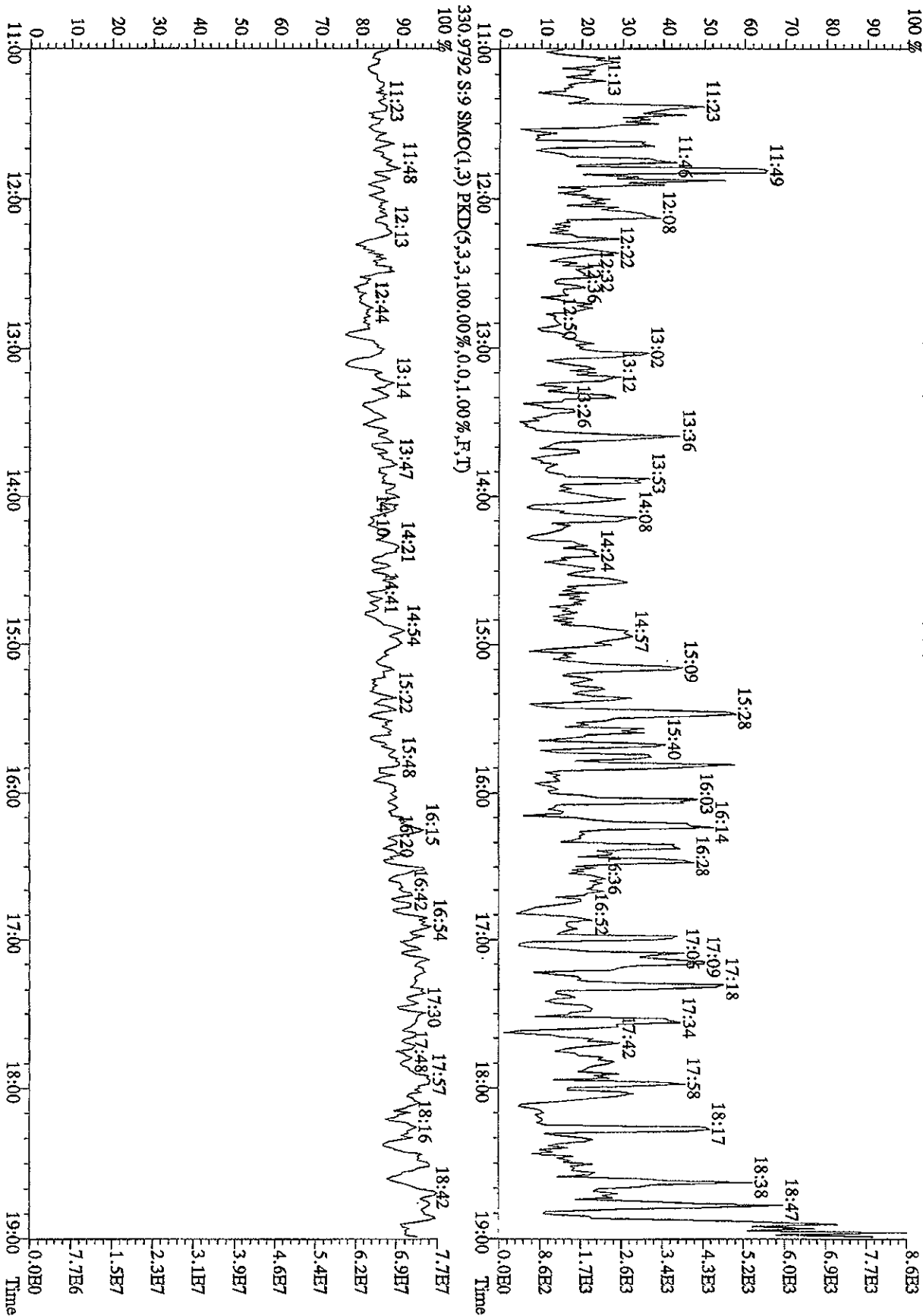
File:26JUL105D2 #1-1242 Acq:26-JUL-2010 13:07:04 GC EI+ Voltage SIR 70SE
 Sample#9 Text:ST0726E :CS-4 10DXN337 Exp:DB225RES
 319.8965 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5792.0,1.00%,F,T)
 100 % A3.14E7



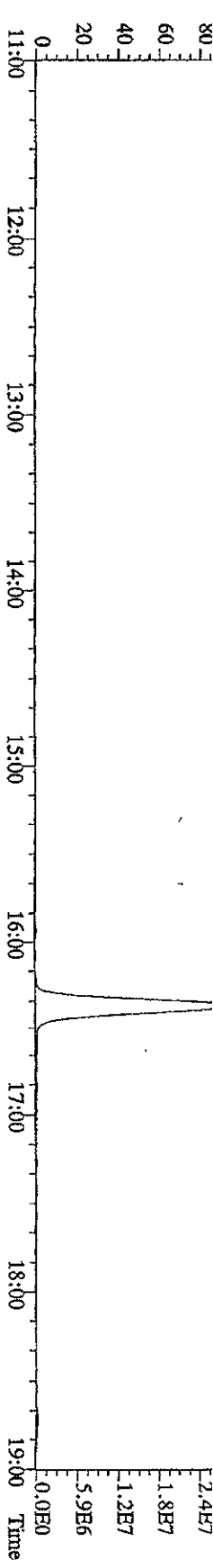
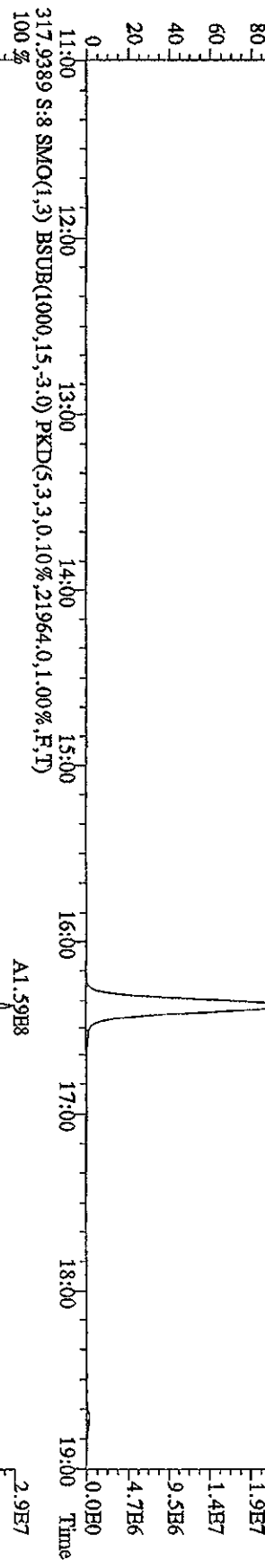
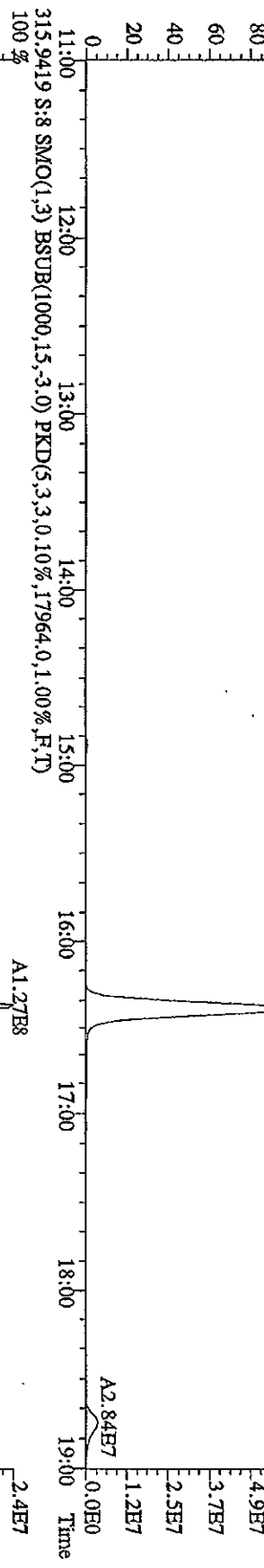
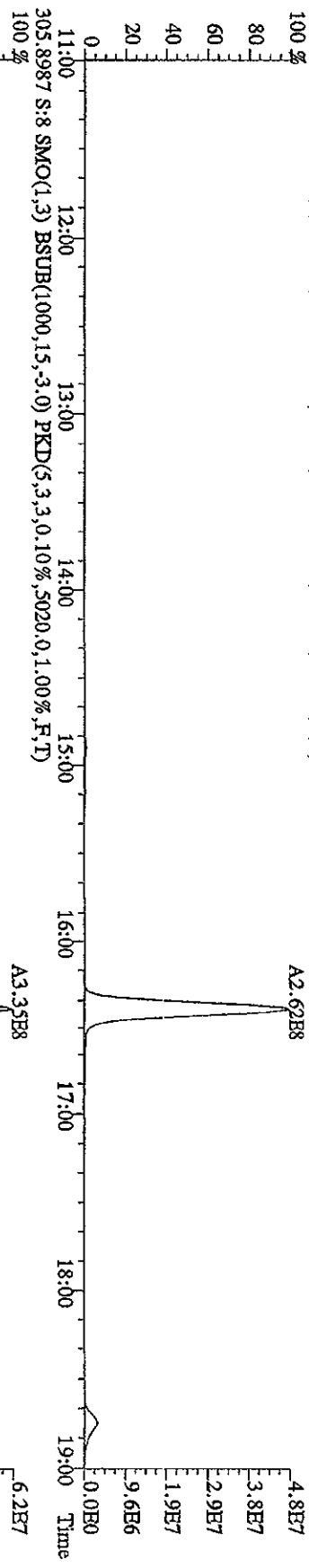
File:26JUL105D2 #1-1242 Acq:26-JUL-2010 13:07:04 GC EI+ Voltage 51R 70SE
 Sample#9 Text:ST0726E :CS-4 10DXN337 Exp:DB225RBS
 327.8840 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6796,0,1,00%,F,T)
 100% A3.15E7



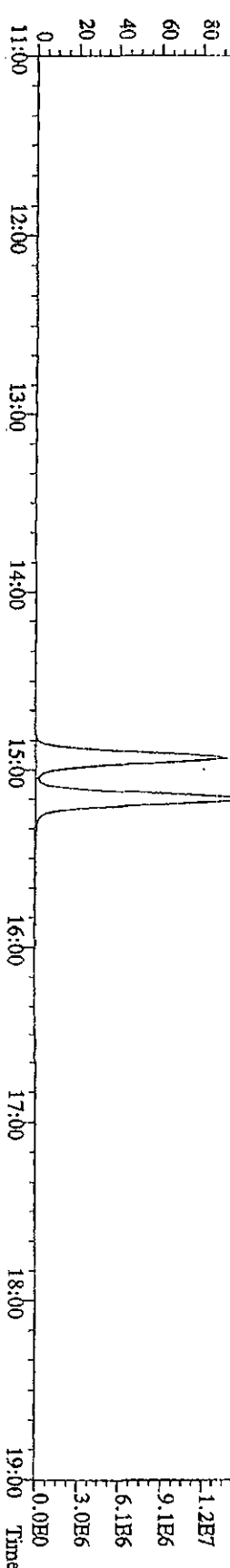
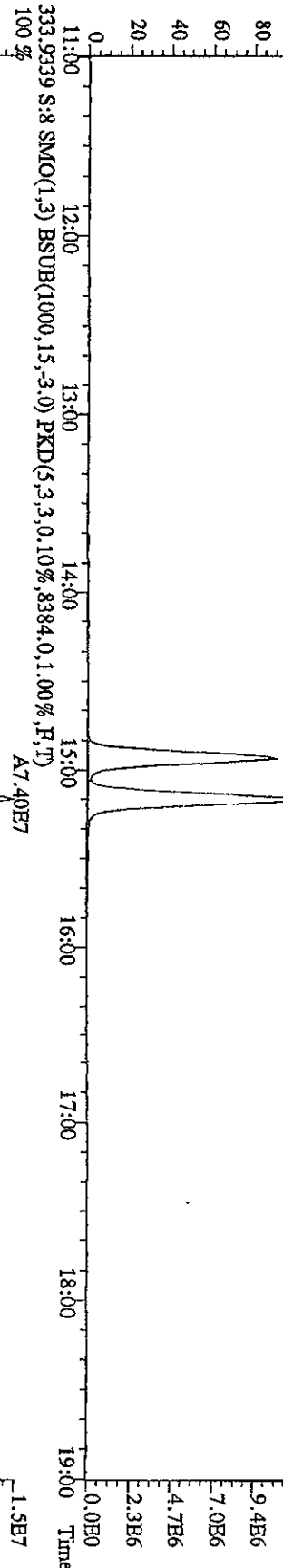
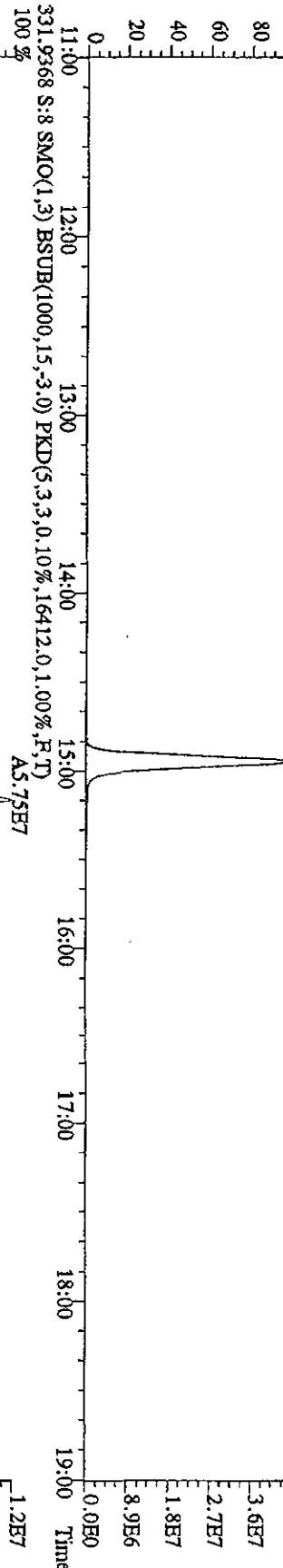
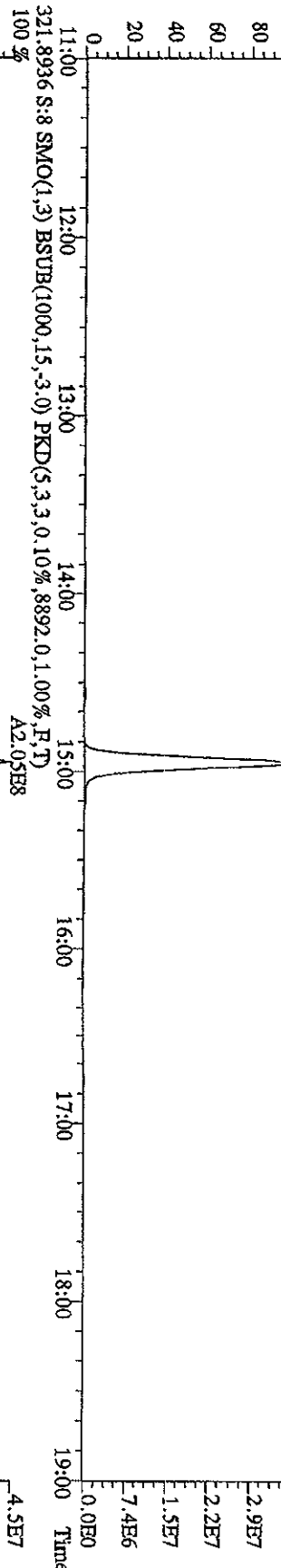
File:2611105D2 #1-1242 Acq:26-JUL-2010 13:07:04 GC EI+ Voltage SIR 70SE
 Sample#9 Text:ST0726B :CS-4 10DXN337 Exp:DB225RES
 375.8364 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2008.0,1.00%,F,T)



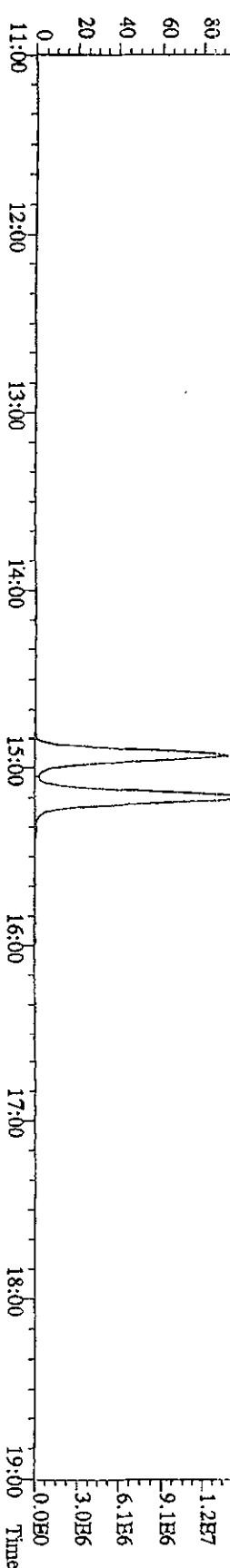
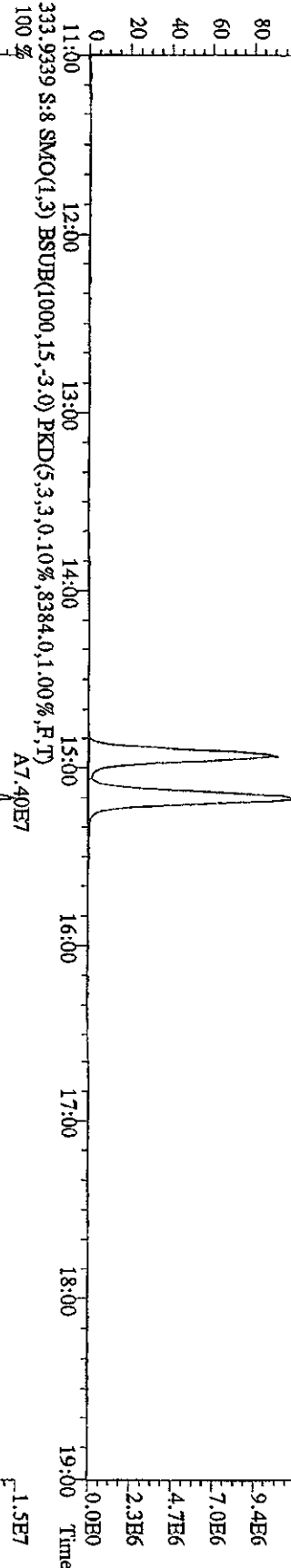
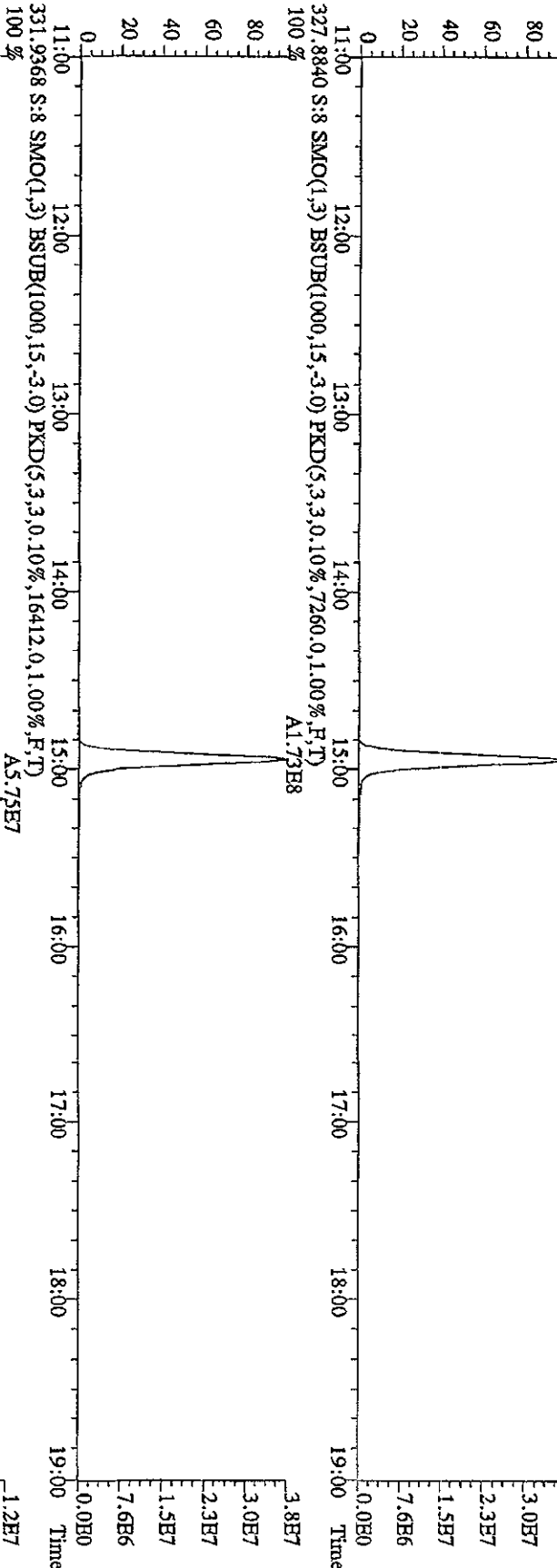
File:26FL105D2 #1-1242 Acq:26-JUL-2010 12:33:16 GC HI+ Voltage SIR 70SE
 Sample#8 Text:ST0726D :CS-5 10DXN339 Exp:DB25RBS
 303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3880.0,1.00%,F,T)



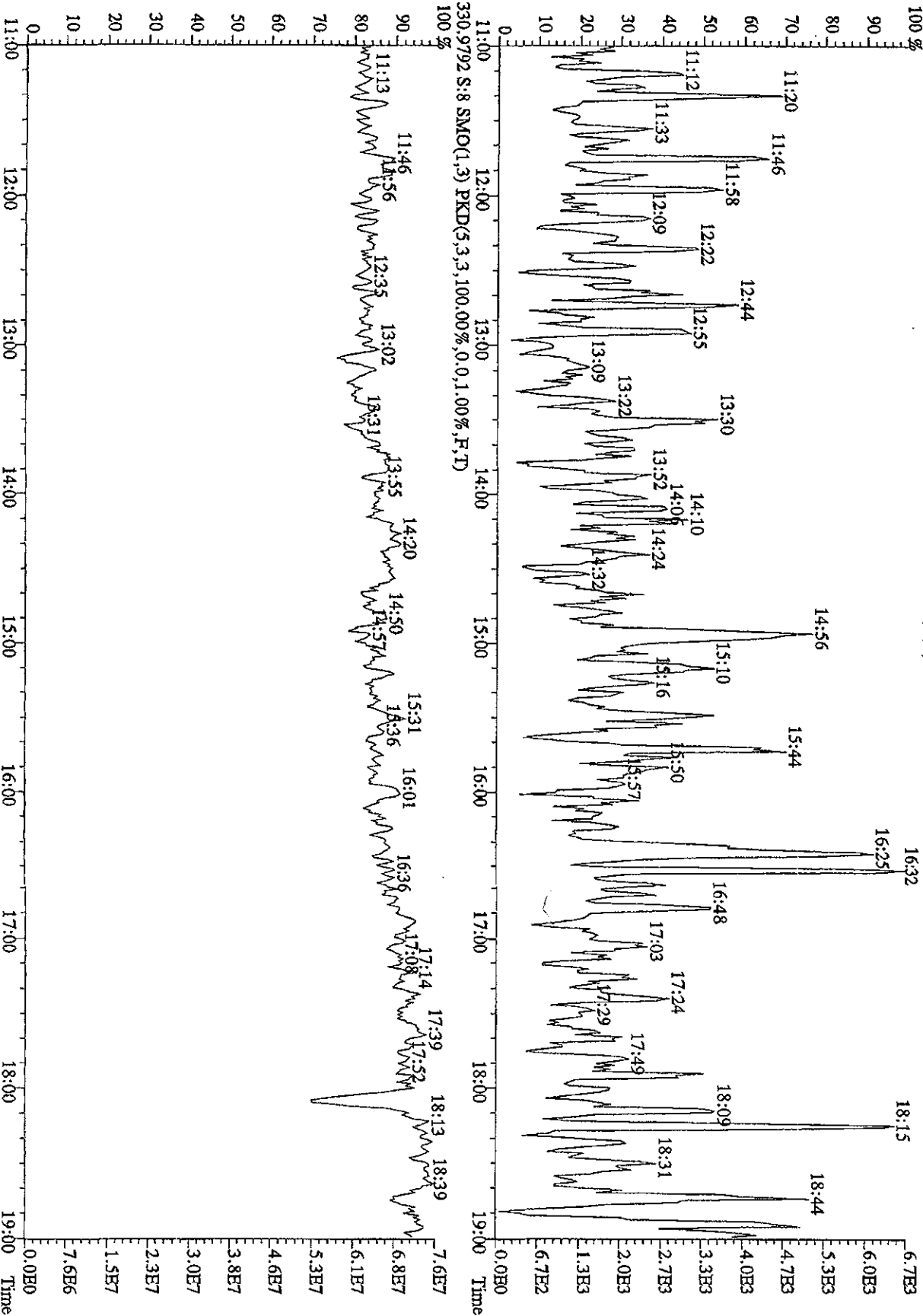
File:26IU105D2 #1-1242 Acq:26-JUL-2010 12:33:16 GC EI+ Voltage SIR 70SB
 Sample#8 Text:ST0726D :CS-5 10DXN339 Exp:DB225RBS
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6028.0,1.00%,F,T)
 100% A1.68E8



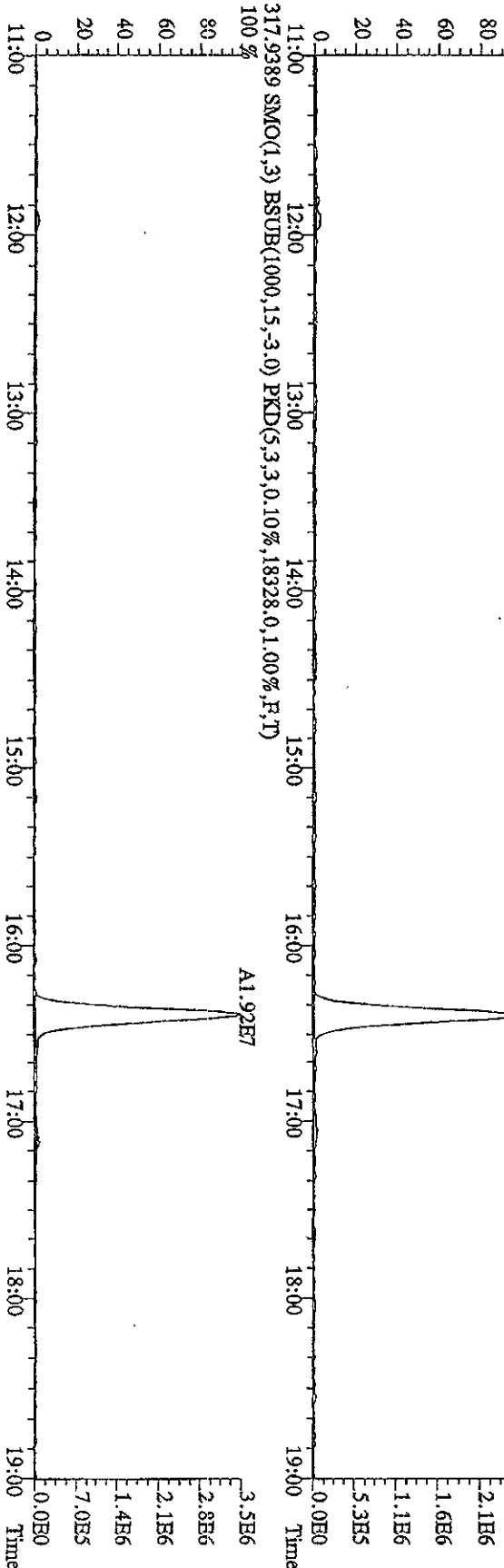
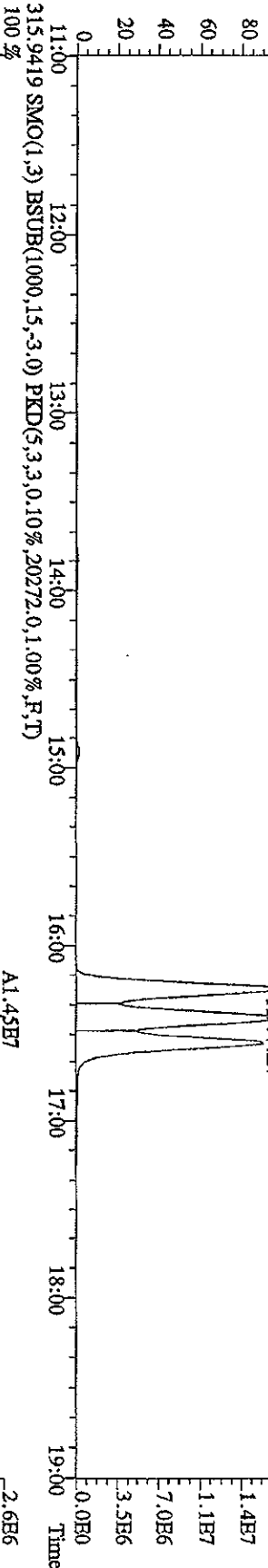
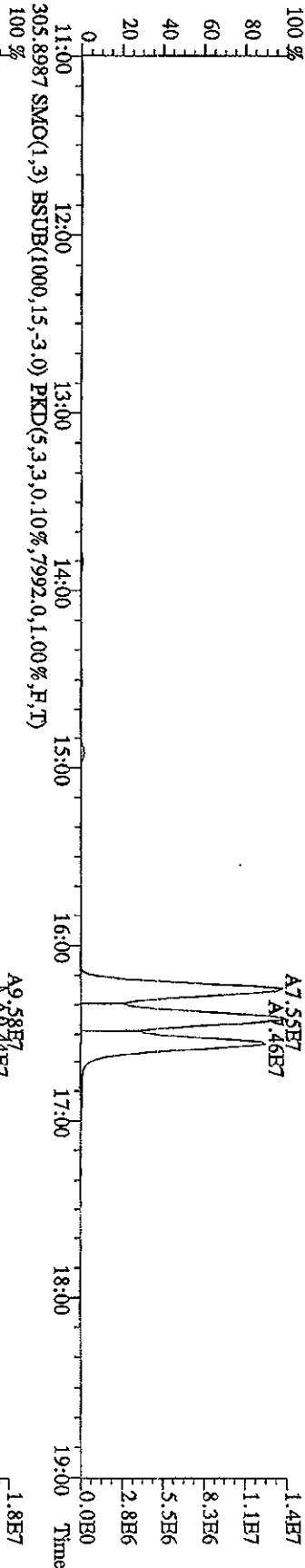
File: 261105D2 #1-1242 Acq: 26-JUL-2010 12:33:16 GC EI+ Voltage SIR 70SE
 Sample#8 Text: ST0726D :CS-5 10DXN339 Exp: DB225RES
 327.8840 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7260.0,1.00%,F,T)
 100% A1.73E8



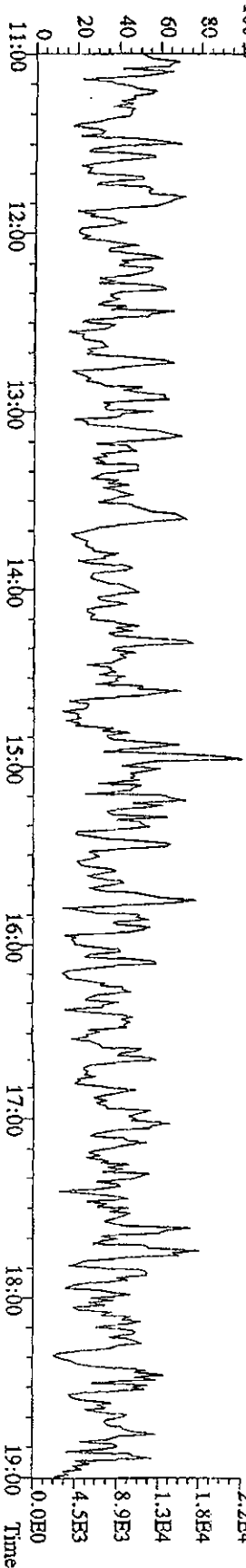
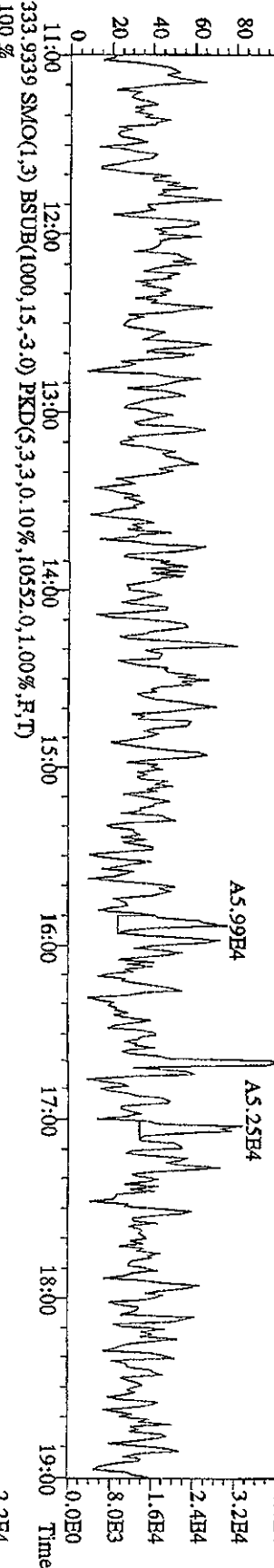
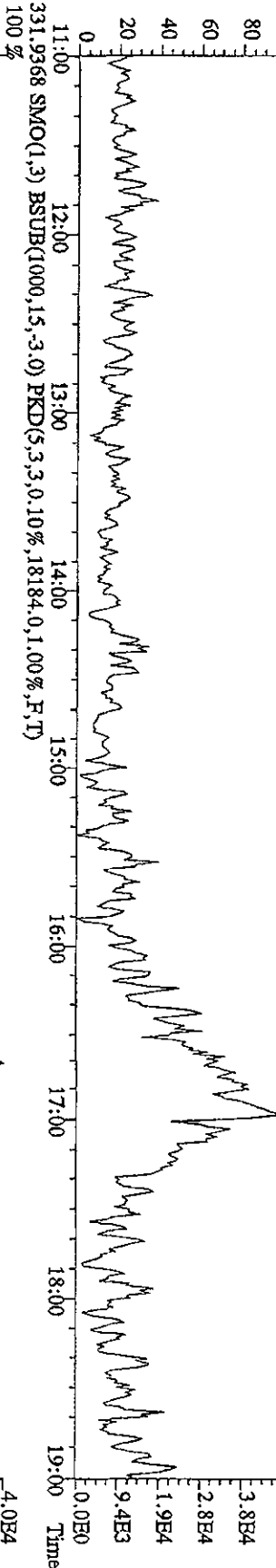
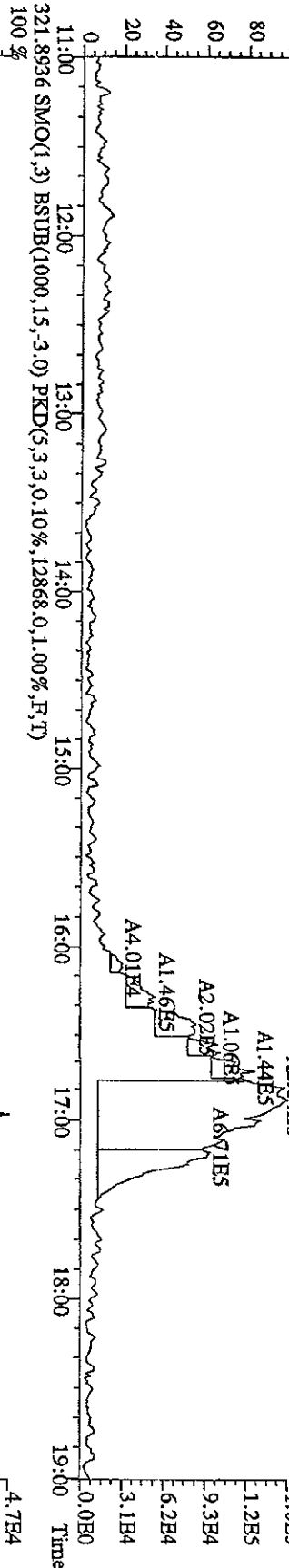
File: 261L105D2 #1-1242 Acq: 26-JUL-2010 12:33:16 GC EI+ Voltage SIR 70SE
 Sample#8 Text: ST0726D :CS-5 10DXN339 Exp: DB225RES
 375.8364 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2080.0,1.00%,F,T)



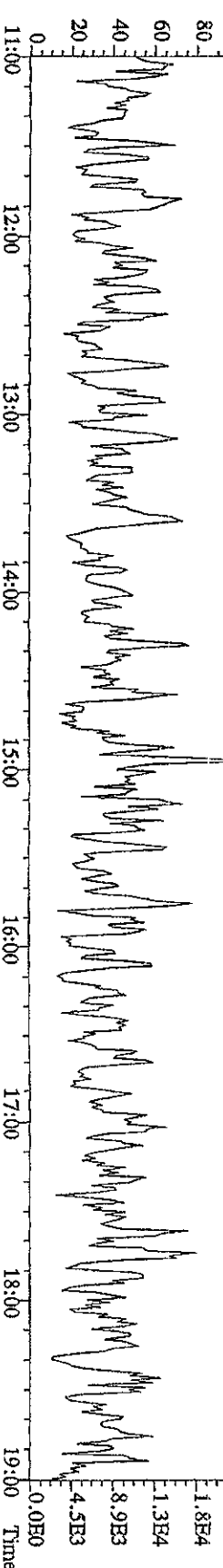
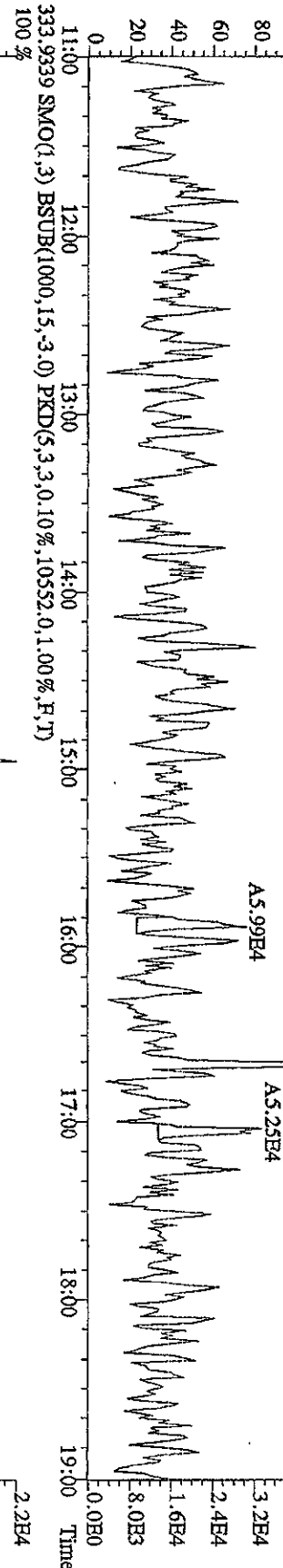
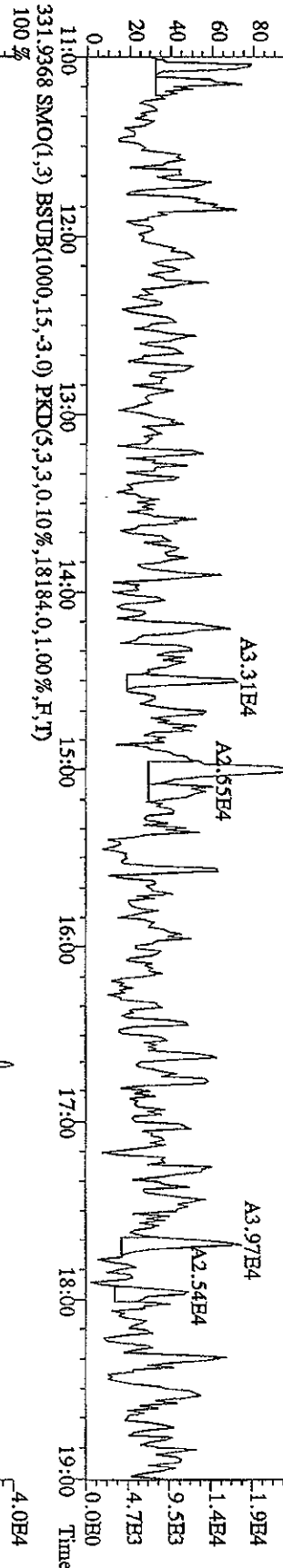
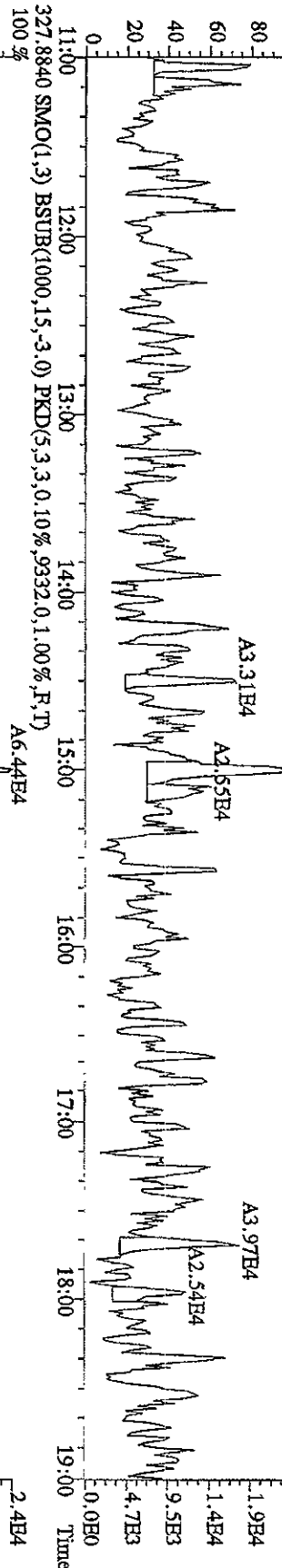
File: 261L105D2 #1-1242 Acq: 26-JUL-2010 08:18:34 GC: BI+ Voltage: SHR 70SE
 Sample#1 Text: CP0726 :DB-225 CP5M 3732-06 Exp: DB225RES
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5928.0,1.00%,F,T)
 100%



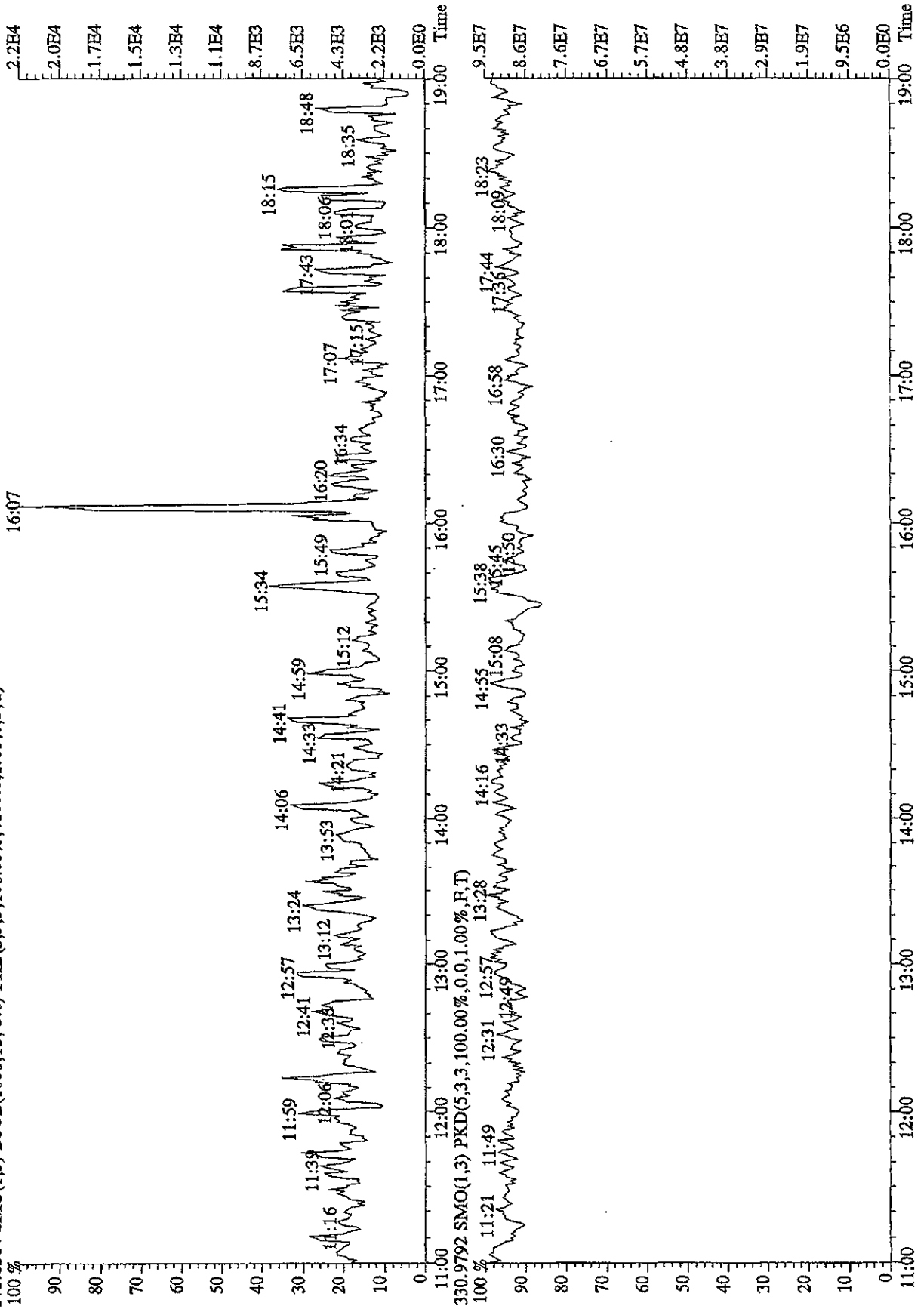
File:261L105D2 #1-1242 Acq:26-JUL-2010 08:18:34 GC HI + Voltage SIR 70SE
 Sample#1 Text:CP0726 :DB-225 CP5M 3732-06 Exp:DB225RES
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9128.0,1.00%,F,T)
 100 %



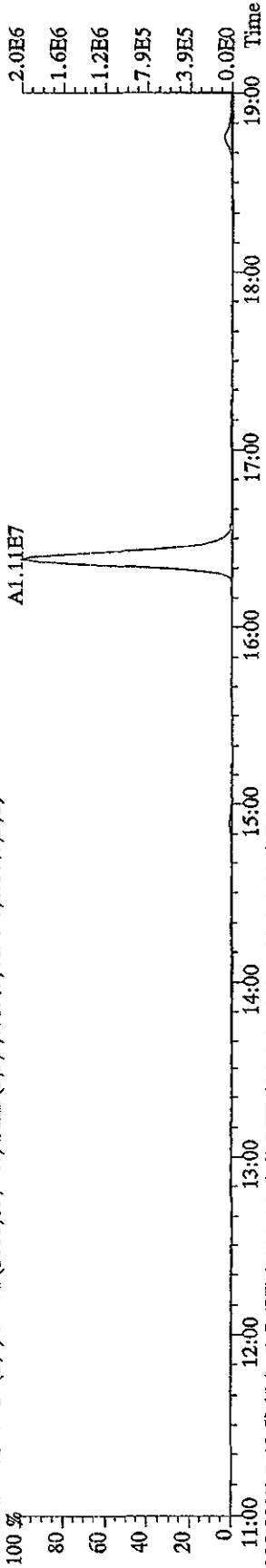
File:26L105D2 #1-1242 Acq:26-JUL-2010 08:18:34 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0726 :DB-225 CPSM 3732-06 Exp:DB225RES
 327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9332.0,1.00%,F,T)
 100%



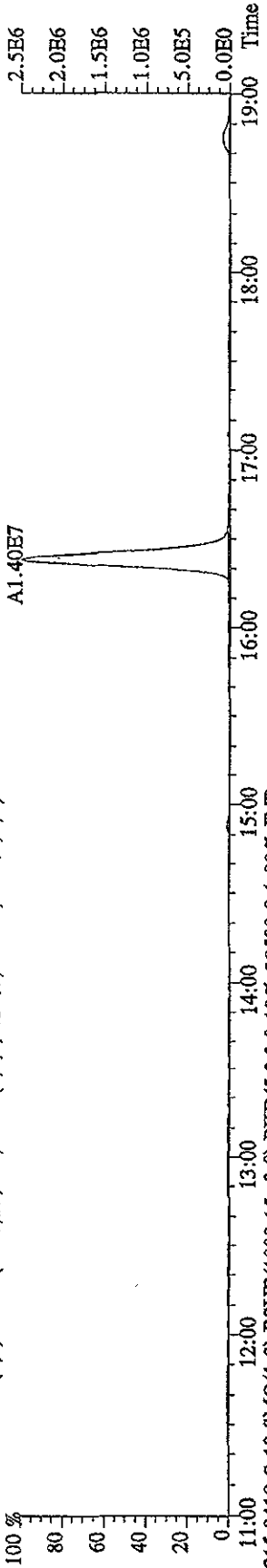
File:26JUL105D2 #1-1242 Acq:26-JUL-2010 08:18:34 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP0726 :DB-225 CFMSM 3732-06 Exp:DB225RES
 375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,4108.0,1.00%,F,T)



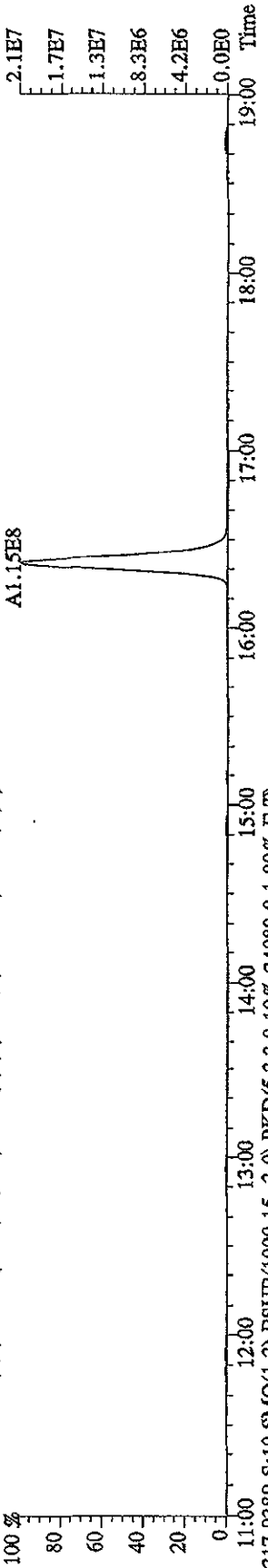
File: 261L105D2 #1-1242 Acq: 26-JUL-2010 13:40:52 GC EI+ Voltage SIR 70SE
 Sample#10 Text: ST0726F : 2nd Source 10DXN340 Exp: DB225RES
 303.9016 S: 10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4628.0,1.00%,F,T)



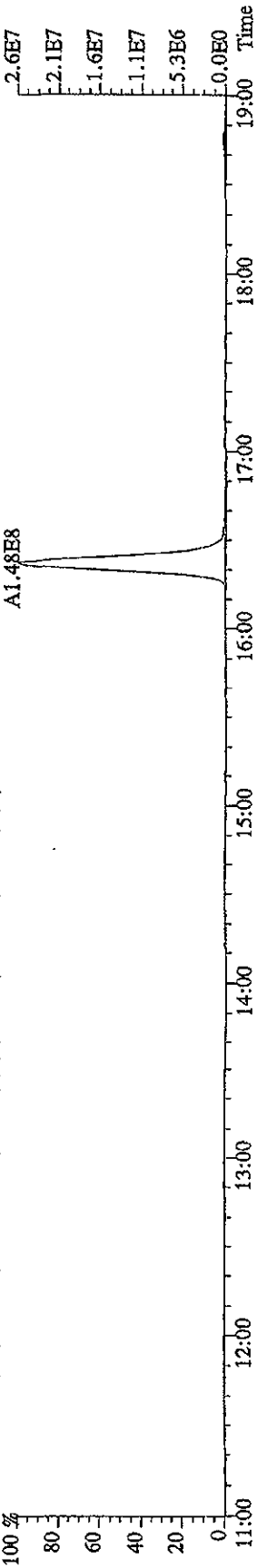
305.8987 S: 10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6308.0,1.00%,F,T)



315.9419 S: 10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20500.0,1.00%,F,T)



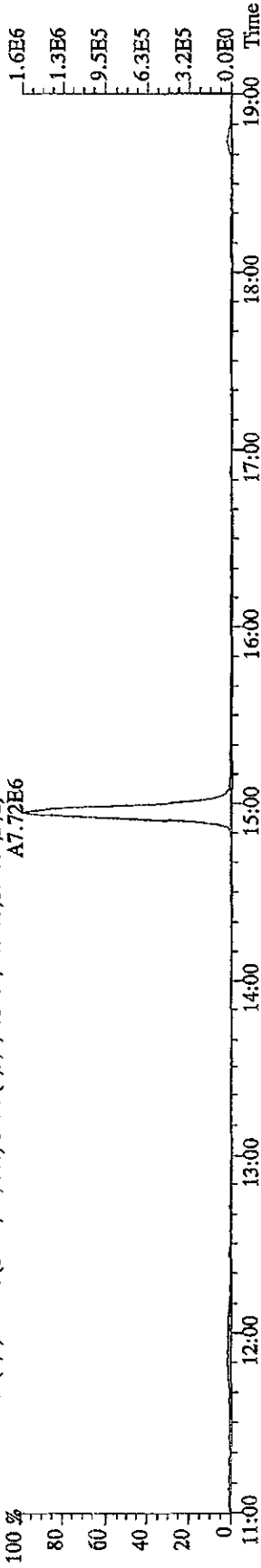
317.9389 S: 10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24980.0,1.00%,F,T)



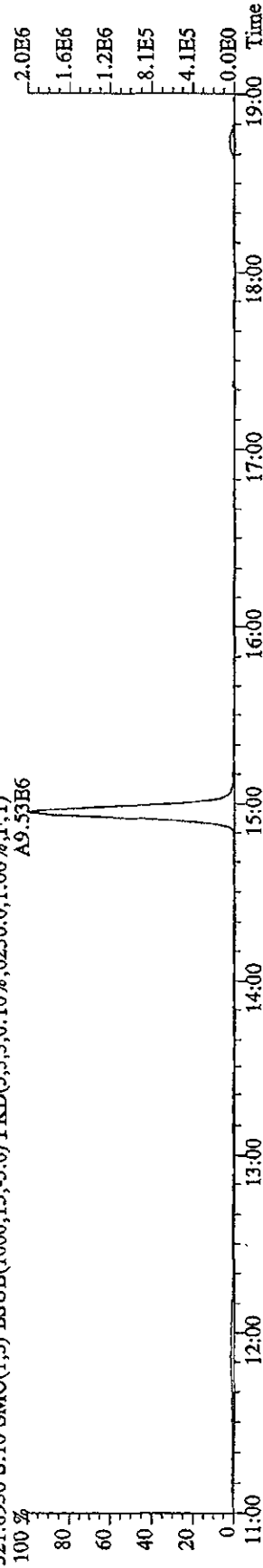
File:26JUL105D2 #1-1242 Acq:26-JUL-2010 13:40:52 GC EI+ Voltage SIR 70SE

Sample#10 Text:ST0726F :2nd Source 10DXN340 Exp:DB225RES

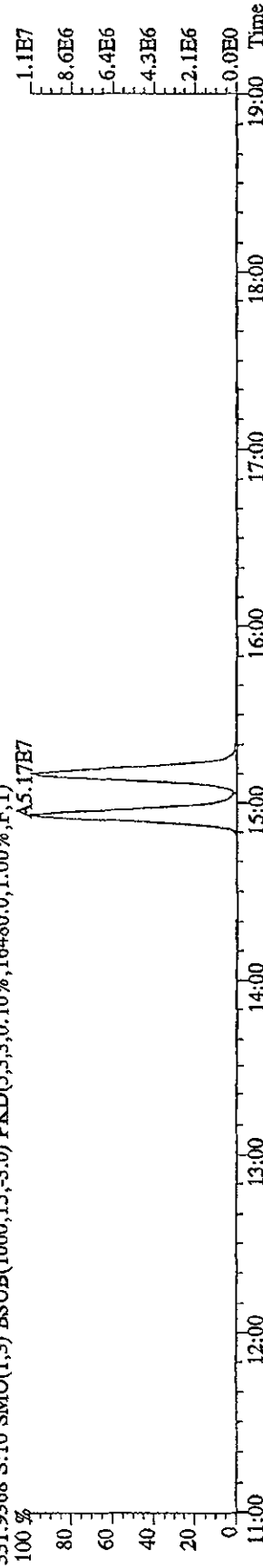
319.8965 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5104.0,1.00%,F,T)
A7.72E6



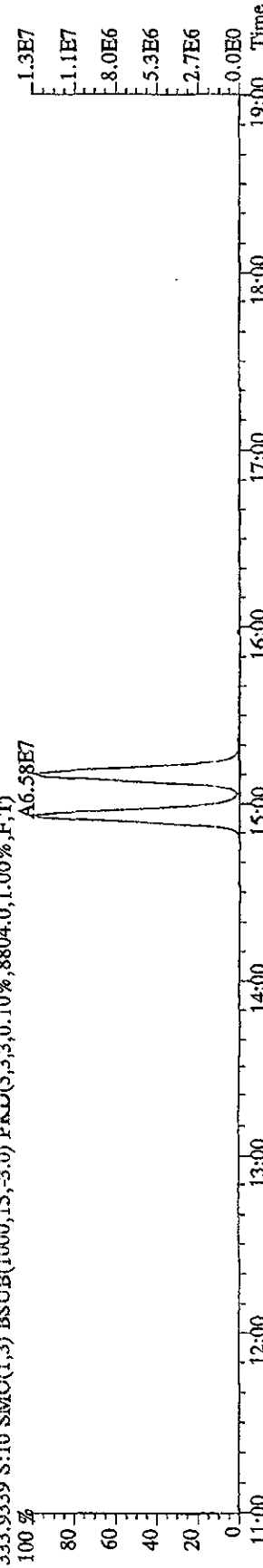
321.8936 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,6236.0,1.00%,F,T)
A9.53E6



331.9368 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,16480.0,1.00%,F,T)
A5.17E7



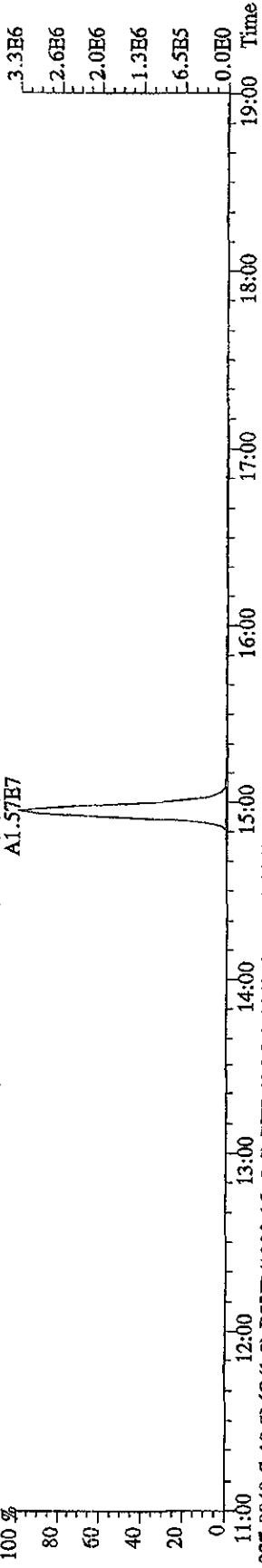
333.9339 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8804.0,1.00%,F,T)
A6.58E7



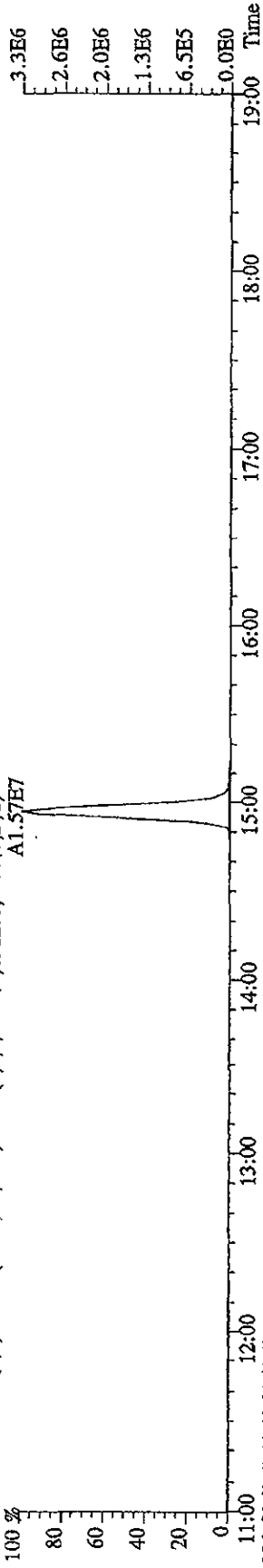
File: 26JL105D2 #1-1242 Acq: 26-JUL-2010 13:40:52 GC EI+ Voltage SIR 70SE

Sample#10 Text: ST0726F : 2nd Source 10DXN340 Exp: DB223RES

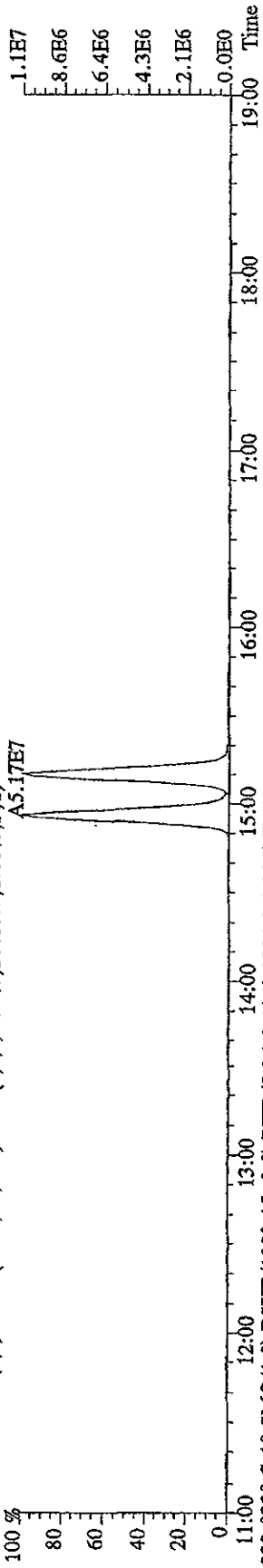
327.8840 S: 10 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6912.0,1.00%,F,T)
A1.57E7



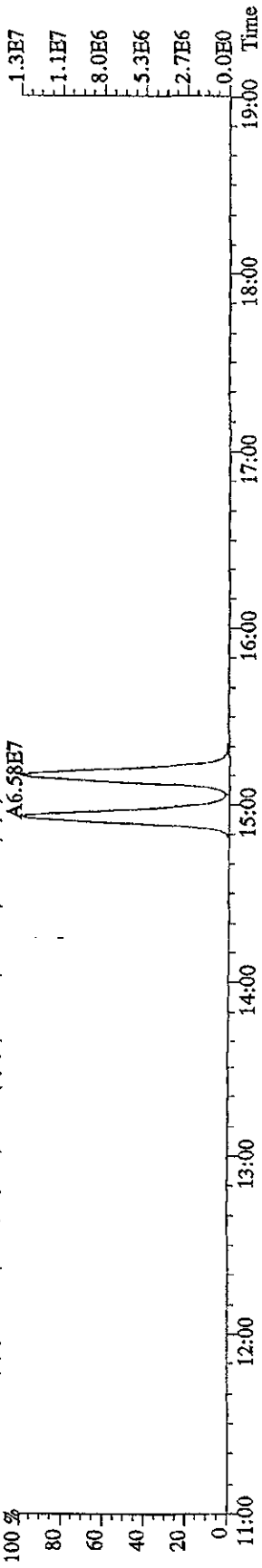
327.8840 S: 10 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6912.0,1.00%,F,T)
A1.57E7



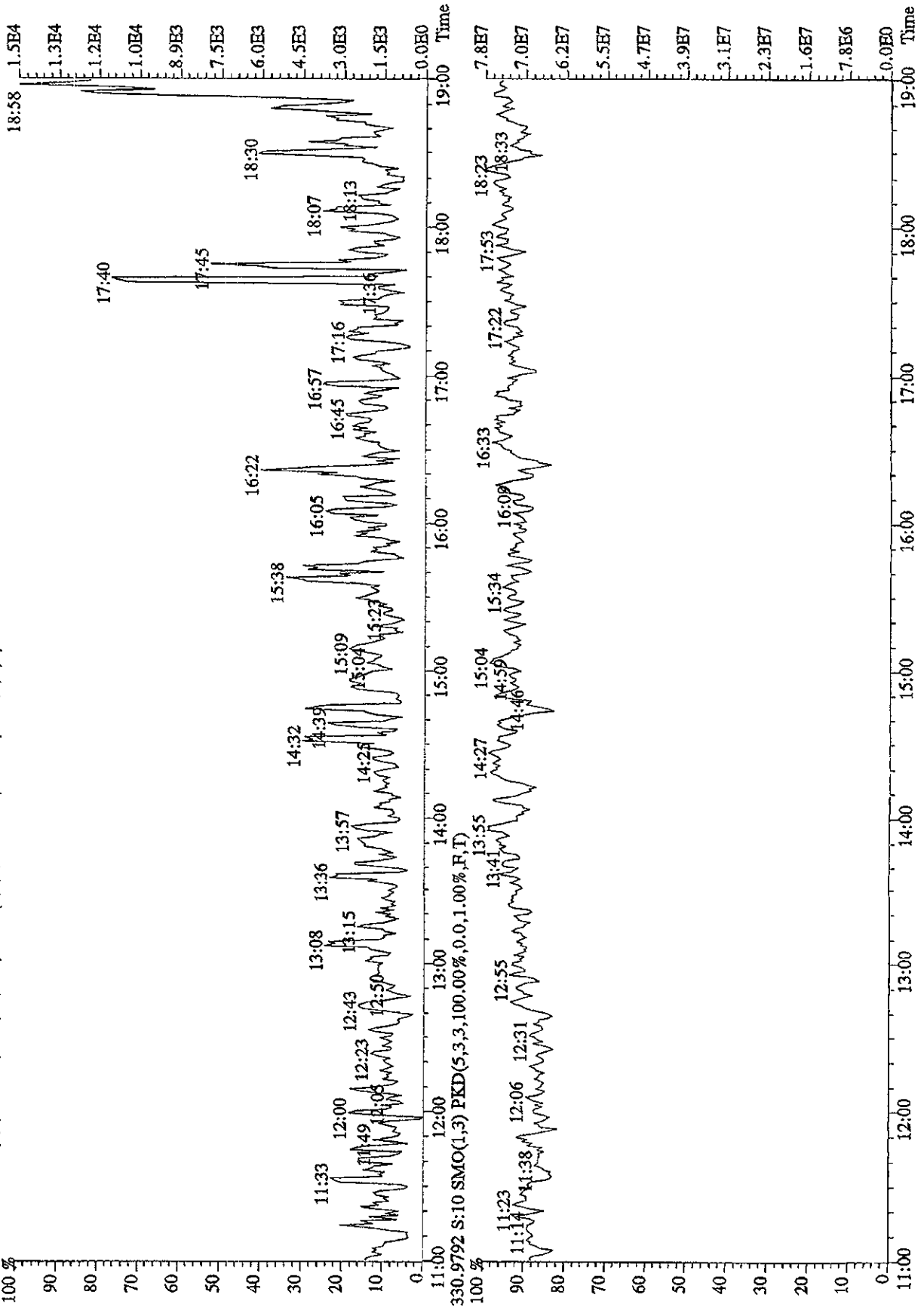
331.9368 S: 10 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,16480.0,1.00%,F,T)
A5.17E7



333.9339 S: 10 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8804.0,1.00%,F,T)
A6.58E7



File:26JUL105D2 #1-1242 Acq:26-JUL-2010 13:40:52 GC HI+ Voltage SIR 70SE
 Sample#10 Text:ST0726F :2nd Source 10DXN340 Exp:DB225RES
 375.8364 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2100.0,1.00%,F,T)



Sample Extraction/Preparation Log
Copies and Checklists

**TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Air Extraction**

Batch: 0274374
MS Run #:
Prep Date: 10/1/2010

Shared QC Batch: QWVC

Box # 19

Shares QC With: NA

Internal QC:	
Delivered to Inst.:	<u>J 10/5/10</u>
Inst Receipt:	

Method: IK TO-9
Matrix: S AIR
Extraction: 11 SOXHLET (NONE,Na2SO4)
QC: 3W AMBIENT AIR TESTING
SAC: IK - S - 11 - 3W

Soxhlet time on: 18:05 (10/1/10) Soxhlet time off: 10:15 (10/2/10)

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * Quantity	Final Volume		Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
					20uL	Other				
G0I280575 - 1		L7MEC1AC	10/23/2010	1.0	✓		11/15/2010			5
G0I280575 - 3		L7MEG1AC	10/24/2010	1.0	✓		11/15/2010			7
G0I280575 - 5		L7MEN1AC	10/24/2010	1.0	✓		11/15/2010			6
G0I280575 - 7		L7MEQ1AC	10/27/2010	1.0	✓		11/15/2010			5
G0I280575 - 9		L7MEV1AC	10/27/2010	1.0	✓		11/15/2010			7
G0I280575 - 11		L7ME01AC	10/23/2010	1.0	✓		11/15/2010			6
G0I280575 - 13		L7ME31AC	10/23/2010	1.0	✓		11/15/2010			7
G0I280575 - 15		L7ME51AC	10/24/2010	1.0	✓		11/15/2010			6
G0I280575 - 17		L7ME71AC	10/24/2010	1.0	✓		11/15/2010			5
G0I280575 - 19		L7MFA1AC	10/27/2010	1.0	✓		11/15/2010			6
G0I280575 - 21		L7MFE1AC	10/27/2010	1.0	✓		11/15/2010			5
G0J010000 - 374	B	L7VVQ1AA	10/23/2010	1.0	✓		11/15/2010			6
G0J010000 - 374	C	L7VVQ1AC	10/23/2010	1.0	✓		11/15/2010			5
G0J010000 - 374	L	L7VVQ1AD	10/23/2010	1.0	✓		11/15/2010			6
G0J010524 - 1		L7VDA1AA	10/22/2010	1.0	✓		11/15/2010			5
G0J010524 - 3		L7VDE1AA	10/22/2010	1.0	✓		11/15/2010			6

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	J17N73
Hexane	Baker	J27E37
H2SO4	Baker	NA
20% DCM:Hexane	NA	3630-75B
65% DCM:Hexane	NA	3630-76B
1:1 DCM:Cyclohexane	NA	NA
75:20:5 DCM:Hexane:Benzene	NA	NA
Silica Gel	AA	4022-7E
Acid Alumina	MP	79
5% Carbon:Silica Gel	NA	NA

* See attached sheet for sample volumes recorded from scale
 Comments/NCMs: QC Media: P090910. G0I010524-1+2 associated w/ QC of Batch # 0266392. Ran out of spike
 # 21 was spiked w/ 2.0 mL of 8810/1613 IS (10DXN425/conc: 2.0-4.0 ug/mL/ Exp: 10/31/10)

604 10/1/10

ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
2.0 mL / 10DXN445 / 8810/1613 Daily IS	9/15/11	ECJ	JZ	10/1/10
100 µL / 10DXN148 / 8810/1613 Daily NS	5/26/11	ECJ	JZ	10/1/10
200 µL / 10DXN148 / 70-9 Daily Surf.	7/19/11	ECJ	JZ	10/1/10
20.0 µL 10DXN225	11/16/11		SB	10/5/10
ECJ 10/1/10				

Internal Standard All Samples	Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
Soxhlet Extraction Analyst/Date	T.L 10/04/10	—	T.L 10/05/10	—

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/05/10
Time: 15:16:01

LEV 1	LEV 2	Blank	Weights/Volumes
Y	Y	Check	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Vial contains correct volume
Y	Y		Labels, greenbars, worksheets
Y	Y		computer batch: correct & all match
Y	Y		Anomalies to Extraction Method

Extractionist: 403162 erica X. larson

Concentrationist: 006625 Elizabeth Nguyen

Reviewer/Date: NGUYENE / 10/05/10

Dioxins/Furans, HRGC/HRMS (TO-9)
SOXHLET (NONE, Na2SO4)

EXTR	ANL	LOT#	MSRUN#/ DUE	WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT WT/VOL	FIN	PH'S ADU1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID	SPIKE STANDARD/ SURROGATE ID	
10/23/10	10/08/10	G0I280575-001	L7MEC-1-AC		R	11	IK	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	2.0ML/1.0DXN445/8290	IS
COMMENTS:																	
10/24/10	10/08/10	G0I280575-003	L7MEG-1-AC		R	11	IK	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	2.0ML/1.0DXN445/8290	IS
COMMENTS:																	
10/24/10	10/08/10	G0I280575-005	L7MEN-1-AC		R	11	IK	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	2.0ML/1.0DXN445/8290	IS
COMMENTS:																	
10/27/10	10/08/10	G0I280575-007	L7MEQ-1-AC		R	11	IK	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	2.0ML/1.0DXN445/8290	IS
COMMENTS:																	
10/27/10	10/08/10	G0I280575-009	L7MEV-1-AC		R	11	IK	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	2.0ML/1.0DXN445/8290	IS
COMMENTS:																	
10/23/10	10/08/10	G0I280575-011	L7ME0-1-AC		R	11	IK	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	2.0ML/1.0DXN445/8290	IS
COMMENTS:																	
10/23/10	10/08/10	G0I280575-013	L7ME3-1-AC		R	11	IK	AIR	1.0sample 20.00uL	NA	NA	NA	TOLUENE	700.0	.0	2.0ML/1.0DXN445/8290	IS
COMMENTS:																	

Expanded Deliverable
COC Completed
Y Bench Sheet Copied
Package Submitted to AnalyticalGrou
Bench Sheet Copied per COC

* QC BATCH: 0274374 *
* PREP DATE: 10/01/10 16:30
* COMP DATE: 10/05/10 17:00

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/05/10
Time: 15:16:01

* QC BATCH: 0274374 *
* PREP DATE: 10/01/10 16:30
* COMP DATE: 10/05/10 17:00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID	
10/24/10	10/08/10	G0I280575-015 L7ME5-1-AC	R	11	IK AIR	1.0sample 20.00uL	NA	NA	TOLUENE	700.0	.0	2.0ML/10DXN445/8290 IS
COMMENTS:												
10/24/10	10/08/10	G0I280575-017 L7ME7-1-AC	R	11	IK AIR	1.0sample 20.00uL	NA	NA	TOLUENE	700.0	.0	2.0ML/10DXN445/8290 IS
COMMENTS:												
10/27/10	10/08/10	G0I280575-019 L7ME8-1-AC	R	11	IK AIR	1.0sample 20.00uL	NA	NA	TOLUENE	700.0	.0	2.0ML/10DXN445/8290 IS
COMMENTS:												
10/27/10	10/08/10	G0I280575-021 L7ME9-1-AC	R	11	IK AIR	1.0sample 20.00uL	NA	NA	TOLUENE	700.0	.0	2.0ML/10DXN425/8290 IS
COMMENTS:												
10/22/10	10/08/10	G0J010524-001 L7VDA-1-AA	R	11	IK AIR	1.0sample 20.00uL	NA	NA	TOLUENE	700.0	.0	2.0ML/10DXN425/8290 IS
COMMENTS:												
10/22/10	10/08/10	G0J010524-003 L7VDB-1-AA	R	11	IK AIR	1.0sample 20.00uL	NA	NA	TOLUENE	700.0	.0	2.0ML/10DXN425/8290 IS
COMMENTS:												
10/23/10	0/00/00	G0J010000-374 L7VVQ-1-AB	R	11	IK AIR	1.0sample 20.00uL	NA	NA	TOLUENE	700.0	.0	2.0ML/10DXN429/TO-9 SUH 2.0ML/10DXN445/8290 IS
COMMENTS:												
10/23/10	0/00/00	G0J010000-374 L7VVQ-1-ACC	R	11	IK AIR	1.0sample 20.00uL	NA	NA	TOLUENE	700.0	.0	2.0ML/10DXN148/8290 NS 2.0ML/10DXN445/8290 IS
COMMENTS:												
10/23/10	0/00/00	G0J010000-374 L7VVQ-1-ADL	R	11	IK AIR	1.0sample 20.00uL	NA	NA	TOLUENE	700.0	.0	2.0ML/10DXN148/8290 NS 2.0ML/10DXN445/8290 IS
COMMENTS:												

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 16

Preparation Data Review Checklist

Prep Batch(es) 0274374

Test: T0-9

Prep Date: 10/1/10

Holding Times: 10/22/10-10/27/10 NCM: Y N

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

Spike witness: JZ

Date: 10/1/10

2nd Level Reviewer: [Signature]

Date: 10/5/10

Comments:

Data Checklist
HRGCMS/LRGCMS Analyses

Batch #: 0274374 Method ID: Dioxins/Furans, HRGC/HRMS (TO-9)

Data Analyst: Manoj SK
Date initiated: 10/12/10 10/14/10
Reviewer: Manoj
Date reviewed: 10/14/2010

DB-225
Date initiated: 10/12/10
Reviewer: Manoj
Date reviewed: 10/14/2010

QA/QC verification:

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

Sample Analysis:

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

Comments: (Use other side if necessary)

*** Recovery limits:**

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614	25-150%***

****IAPD limits:**

50%
20%
50%
50%
50%

*** Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.