

May 7, 2010

TestAmerica Project Number: G0D160437

PO/Contract:

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

Dear Ms. Arnold,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on April 16, 2010. These samples are associated with your 2027.01 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,



for
David R. Alltucker
Project Manager

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Samples: 1, 3

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Case Narrative

TestAmerica West Sacramento Project Number G0D160437

SOLID, 8290, Dioxins/Furans

Samples: 1, 3

Several analytes in each sample have been qualified with a "Q" flag because the ion abundance ratios are 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.

The concentrations of several analytes exceeded the upper quantitation level of the initial calibration curve, but the peaks did not saturate the instrument detector. Historical data indicates that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported with the "E" qualifier.

Some samples exhibited elevated noise or matrix interferences for requiring the detection limits to be raised appropriately. These analytes were flagged with a "G" qualifier.

The matrix spike/matrix spike duplicate (MS/MSD) associated with this extraction batch has recoveries outside the established control limits for several compounds. Acceptable laboratory control sample (LCS) data demonstrate that the analytical system is in control. This anomaly is most likely matrix related.

Samples 1 and 3 required confirmation (CON) analyses for 2,3,7,8-TCDF, which were performed May 4, 2010. The MS/MSD and the parent sample for the MS/MSD also required confirmation analyses, which were performed May 4, 2010.

Sample: 1

The internal standard recovery for ¹³C-OCDD in sample 1 is lower than the method recommended criteria. Data quality is not considered affected if the internal standard signal to noise ratio is greater than 10:1 which is achieved for all internal standards in the sample. All detection limits are below the lower calibration limit and there is no adverse impact on data quality.

There are 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 G0D160437

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
LX3A0	1	SSAO4-01-1BPC	4/14/2010 01:15 PM	4/16/2010 08:45 AM
LX3A9	3	SA106-3BPC	4/14/2010 03:45 PM	4/16/2010 08:45 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 4/12



1100 Quail Street, Suite 102
Newport Beach, CA 92660 (949) 260-9293

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

Required Project Information:
 Site ID #: **TRONOX LLC, HENDERSON**
 Project #: **2027.01**
 Site Address: **560 W Lake Mead Drive**
 City: **Henderson** State, Zip: **NV, 89008**
 Lab Name: **Test America Laboratories Inc**
 Address: **880 Riverside Parkway**
 Phone/Fax: **(916) 373-5600**
 Lab PM Name: **David Albuquer**
 Lab PM Email: **David.Albuquer@testamericainc.com**
 Applicable Lab Code #: **049375-7004**

Required Invoice Information:
 Send Invoice to: **Sustan Crowley Tronox LLC**
 Address: **PO Box 35**
 City/State: **Henderson, NV 89009** Phone #: **(949) 260-9293**
 PO #

Send EDD to: **Frank.Hagar@ngem.com**
 CC Hardcopy report to: **PDF Electronic: Version Only - FTP Upload**
 CC Hardcopy report to:

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G-GRAB C-COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	# OF CONTAINERS	Comments/Lab Sample I.D.	Regular	Rush	X	Mark One
	SSAO4-01-10BPC		SO	G	N	04/14/2010	14:40	1	Hold all	H			
	SSAO4-01-1BPC		SO	G	N	04/14/2010	13:15	1	screen completed, 10-d TAT full 8290	X			
	SSAO4-01-2BPC		SO	G	N	04/14/2010	13:25	1	24-Hour TAT 8290 Screen, Hold 8290	X			
	SSAO4-01-3BPC		SO	G	N	04/14/2010	13:30	1	Hold all	H			
	SSAO4-01-4BPC		SO	G	N	04/14/2010	13:40	1	Hold all	H			
	SSAO4-01-5BPC		SO	G	N	04/14/2010	13:50	1	Hold all	H			
	SSAO4-01-6BPC		SO	G	N	04/14/2010	13:55	1	Hold all	H			
	SSAO4-01-7BPC		SO	G	N	04/14/2010	14:10	1	Hold all	H			
	SSAO4-01-8BPC		SO	G	N	04/14/2010	14:15	1	Hold all	H			
	SSAO4-01-9BPC		SO	G	N	04/14/2010	14:35	1	Hold all	H			

Additional Comments/Special Instructions:
Modified by Joni Fisher NGEN, modifications in bold font

Company: **EKC Taub**
 Tracking #: **DATE Signed**
 Signature of Sampler: **TIME**

Temp in OC: **Temp in OC**
 Samples on Ice? **Y/N**
 Sample Intact? **Y/N**
 Trip Blank? **Y/N**

COC # 02027.01.1041 ACTIVATED 2016-04-19
 Total # of Samples: 10
 Evert Complete?

Received 4/20

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

northgate
environmental management, inc.
1100 Quail Street, Suite 102
Newport Beach, CA 92660 (949) 260-9293

ITEM #	SAMPLE ID	SAMPLE LOCATION	MATRIX CODE	G-RAB C-COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	# OF CONTAINERS	Comments/Lab Sample I.D.	Regulator		Event Complete?	
										No	Y	Temp in OC	Sample Intact?
	SA106-3BPC	SA106	SO	G	N	04/14/2010	15:45	1	screen completed, 10-4 TAT full 8290	X	X		
	SA106-4BPC	SA106	SO	G	N	04/14/2010	15:50	1	24-Hour TAT 8290 Screen, Hold 8290	X	X		
	SA106-5BPC	SA106	SO	G	N	04/14/2010	16:00	1	Hold all.	X	X		
	SA106-6BPC	SA106	SO	G	N	04/14/2010	16:10	1	Hold all.	X	X		
	SA106-7BPC	SA106	SO	G	N	04/14/2010	16:20	1	Hold all.	X	X		
	SA106-8BPC	SA106	SO	G	N	04/14/2010	16:30	1	Hold all.	X	X		
	SA106-9BPC	SA106	SO	G	N	04/14/2010	16:35	1	Hold all.	X	X		

62 517 160 4157-3

COC # 02027 91.1843 ACTIVATED 2010-04-19

Total # of Samples: 7 Event Complete?

Required Project Information:
Site ID #: TRONOX LLC, HENDERSON
Project #: 2027.01
Site Address: 560 W Lake Mead Drive
City: Henderson State, Zip: NV, 89009
City/State: Henderson, NV 89009 Phone #: (949) 260-9293
Address: PO Box 55
Send EDD to: Frank.Hagar@ngem.com
GC Hardcopy report to: PDF Electronic Version Only - FTP Upload
CC Hardcopy report to

Required Invoices Information:
Send Invoices to: Susan Crowley Tronox LLC.

Lab Name: Test America Laboratories Inc
Address: 880 Riverside Parkway
West Sacramento, CA 95605
City: Henderson
Phone/Fax: (916) 373-5600
Lab PM Name: David Altucker
Lab PM Email: David.Altucker@testamericalab.com
Applicable Lab Code #: 06160375-7004
Site PM Name: Derrick Willis
Site PM Email: derrick.willis@ngem.com

Company: Eric Taid
Tracking #: DATE signed

CLIENT NORTH GATE PM DA LOG # 64278

LOT# (QUANTIMS ID) G0D160437 QUOTE# 84087 LOCATION W200

DATE RECEIVED 10 APR 10 TIME RECEIVED 0845

Checked (✓)

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) 302

SHIPPING CONTAINER(S) TAL CLIENT N/A

COC #(S) 02027-01-1241

TEMPERATURE BLANK Observed: 3 Corrected: 4

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 4, 4, 5 Average 4 Corrected Average 4

LABORATORY THERMOMETER ID:

IR UNIT: #4 #5 OTHER _____

[Signature] 10 APR 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 APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES N/A

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

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

av 4/16/10
Initials Date

Notes _____

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

Lot ID: GOD160437

	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

SOLID, 8290, Dioxins/Furans

Northgate Environmental Management, Inc.

Sample ID: SSAO4-01-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: GOD160437 - 001
 Date Sampled....: 04/14/10
 Prep Date....: 04/20/10
 Prep Batch #: 0110455
 Initial Wgt/Vol : 10.08 g

Work Order #....: LX3A01AC
 Date Received....: 04/16/10
 Analysis Date....: 05/03/10
 Dilution Factor....: 0.99
 Analyst ID....: Susan X. Yan

Matrix....: SO
 Instrument ID....: 4D5
 % Moisture....: 7.3
 Units.....: pg/g

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	5.2		0.54	1.0	5.2
1,2,3,7,8-PeCDD	10		2.7	1.0	10.0
1,2,3,4,7,8-HxCDD	5.7		2.7	0.1	0.57
1,2,3,6,7,8-HxCDD	13		2.7	0.1	1.3
1,2,3,7,8,9-HxCDD	12		2.7	0.1	1.2
1,2,3,4,6,7,8-HpCDD	47		2.7	0.01	0.47
OCDD	75		5.4	0.0003	0.022
2,3,7,8-TCDF	130	CON B	0.54	0.1	13
1,2,3,7,8-PeCDF	140	B	2.7	0.03	4.2
2,3,4,7,8-PeCDF	72		2.7	0.3	22
1,2,3,4,7,8-HxCDF	310	G	3.6	0.1	31
1,2,3,6,7,8-HxCDF	190	G	3.2	0.1	19
2,3,4,6,7,8-HxCDF	44	G	3.5	0.1	4.4
1,2,3,7,8,9-HxCDF	34	G	4.0	0.1	3.4
1,2,3,4,6,7,8-HpCDF	630	B	2.7	0.01	6.3
1,2,3,4,7,8,9-HpCDF	310		2.7	0.01	3.1
OCDF	2900	E	5.4	0.0003	0.87
Total TEQ Concentration					130

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	60	40 - 135
13C-1,2,3,7,8-PeCDD	65	40 - 135
13C-1,2,3,6,7,8-HxCDD	55	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	48	40 - 135
13C-OCDD	34	40 - 135
13C-2,3,7,8-TCDF	47	40 - 135
13C-1,2,3,7,8-PeCDF	58	40 - 135
13C-1,2,3,4,7,8-HxCDF	45	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	41	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SSAO4-01-1BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: GOD160437 - 001
Date Sampled....: 04/14/10
Prep Date....: 04/20/10
Prep Batch #: 0110455
Initial Wgt/Vol : 10.08 g

Work Order #....: LX3A01AC
Date Received....: 04/16/10
Analysis Date....: 05/03/10
Dilution Factor....: 0.99
Analyst ID....: Susan X. Yan

Matrix....: SO
Instrument ID....: 4D5
% Moisture....: 7.3
Units....: pg/g

Notes:

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

- * Surrogate recovery is outside stated control limits.
- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- CON Confirmation analysis.
- E Estimated result. Result concentration exceeds the calibration range.
- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Northgate Environmental Management, Inc.

Sample ID: SA106-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: GOD160437 - 003
 Date Sampled....: 04/14/10
 Prep Date....: 04/20/10
 Prep Batch #: 0110455
 Initial Wgt/Vol : 10.16 g

Work Order #....: LX3A91AC
 Date Received....: 04/16/10
 Analysis Date....: 05/03/10
 Dilution Factor....: 0.98
 Analyst ID....: Susan X. Yan

Matrix....: SO
 Instrument ID....: 4D5
 % Moisture....: 6.4
 Units.....: pg/g

PARAMETER	RESULT	REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.53	1.0	0
1,2,3,7,8-PeCDD	0.30 J	2.6	1.0	0.30
1,2,3,4,7,8-HxCDD	0.24 J	2.6	0.1	0.024
1,2,3,6,7,8-HxCDD	0.46 J	2.6	0.1	0.046
1,2,3,7,8,9-HxCDD	0.48 J	2.6	0.1	0.048
1,2,3,4,6,7,8-HpCDD	1.5 J	2.6	0.01	0.015
OCDD	3.5 J	5.3	0.0003	0.0010
2,3,7,8-TCDF	1.4 CON B	0.53	0.1	0.14
1,2,3,7,8-PeCDF	2.8 B	2.6	0.03	0.084
2,3,4,7,8-PeCDF	1.5 J	2.6	0.3	0.45
1,2,3,4,7,8-HxCDF	6.5	2.6	0.1	0.65
1,2,3,6,7,8-HxCDF	3.8	2.6	0.1	0.38
2,3,4,6,7,8-HxCDF	0.92 J	2.6	0.1	0.092
1,2,3,7,8,9-HxCDF	0.79 J	2.6	0.1	0.079
1,2,3,4,6,7,8-HpCDF	13 B	2.6	0.01	0.13
1,2,3,4,7,8,9-HpCDF	5.5	2.6	0.01	0.055
OCDF	32	5.3	0.0003	0.0096

Total TEQ Concentration

2.5

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	54	40 - 135
13C-1,2,3,7,8-PeCDD	66	40 - 135
13C-1,2,3,6,7,8-HxCDD	60	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	60	40 - 135
13C-OCDD	50	40 - 135
13C-2,3,7,8-TCDF	50	40 - 135
13C-1,2,3,7,8-PeCDF	56	40 - 135
13C-1,2,3,4,7,8-HxCDF	49	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	52	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Northgate Environmental Management, Inc.

Sample ID: SA106-3BPC

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G0D160437 - 003
Date Sampled....: 04/14/10
Prep Date....: 04/20/10
Prep Batch #: 0110455
Initial Wgt/Vol : 10.16 g

Work Order #....: LX3A91AC
Date Received....: 04/16/10
Analysis Date....: 05/03/10
Dilution Factor....: 0.98
Analyst ID....: Susan X. Yan

Matrix....: SO
Instrument ID....: 4D5
% Moisture....: 6.4
Units....: pg/g

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.

QC DATA ASSOCIATION SUMMARY

G0D160437

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	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0113151	0113095
	SO	TAL-SOP Dioxin Sc		0106281	
002	SO	TAL-SOP Dioxin Sc		0106281	
003	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0113151	0113095
	SO	TAL-SOP Dioxin Sc		0106281	
004	SO	TAL-SOP Dioxin Sc		0106281	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: GOD160437 Work Order #...: LX85A1AA Matrix.....: SOLID
 MB Lot-Sample #: GOD200000-455
 Analysis Date...: 04/26/10 Prep Date.....: 04/20/10
 Dilution Factor: 1 Prep Batch #...: 0110455

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.50	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	2.5	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	2.5	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	2.5	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	2.5	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	2.5	pg/g	SW846 8290
OCDD	ND	5.0	pg/g	SW846 8290
2,3,7,8-TCDF	0.31 J	0.50	pg/g	SW846 8290
1,2,3,7,8-PeCDF	0.31 J,Q	2.5	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	2.5	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	2.5	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	2.5	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	2.5	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	2.5	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	0.30 J	2.5	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	2.5	pg/g	SW846 8290
OCDF	ND	5.0	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	69	(40 - 135)
13C-1,2,3,7,8-PeCDD	73	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	88	(40 - 135)
13C-OCDD	74	(40 - 135)
13C-2,3,7,8-TCDF	62	(40 - 135)
13C-1,2,3,7,8-PeCDF	72	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	71	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	99	(40 - 135)

NOTE (S) :

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

J Estimated result. Result is less than the reporting limit.

Q Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: GOD160437 Work Order #...: LX85A1AC Matrix.....: SOLID
 LCS Lot-Sample#: GOD200000-455
 Prep Date.....: 04/20/10 Analysis Date...: 04/26/10
 Prep Batch #...: 0110455
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	96	(77 - 130)	SW846 8290
1,2,3,7,8-PeCDD	103	(79 - 134)	SW846 8290
1,2,3,4,7,8-HxCDD	95	(65 - 144)	SW846 8290
1,2,3,6,7,8-HxCDD	105	(73 - 147)	SW846 8290
1,2,3,7,8,9-HxCDD	96	(80 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDD	102	(86 - 134)	SW846 8290
OCDD	108	(80 - 137)	SW846 8290
2,3,7,8-TCDF	104	(79 - 137)	SW846 8290
1,2,3,7,8-PeCDF	97	(81 - 134)	SW846 8290
2,3,4,7,8-PeCDF	105	(76 - 132)	SW846 8290
1,2,3,4,7,8-HxCDF	108	(72 - 140)	SW846 8290
1,2,3,6,7,8-HxCDF	107	(63 - 152)	SW846 8290
2,3,4,6,7,8-HxCDF	124	(72 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	111	(72 - 152)	SW846 8290
1,2,3,4,6,7,8-HpCDF	102	(81 - 137)	SW846 8290
1,2,3,4,7,8,9-HpCDF	81	(79 - 139)	SW846 8290
OCDF	99	(75 - 141)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	74	(40 - 135)
13C-1,2,3,7,8-PeCDD	78	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	105	(40 - 135)
13C-OCDD	90	(40 - 135)
13C-2,3,7,8-TCDF	64	(40 - 135)
13C-1,2,3,7,8-PeCDF	69	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	73	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	112	(40 - 135)

NOTE(S) :

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: GOD160437 Work Order #...: LX85A1AC Matrix.....: SOLID
 LCS Lot-Sample#: GOD200000-455
 Prep Date.....: 04/20/10 Analysis Date...: 04/26/10
 Prep Batch #...: 0110455
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	20.0	19.1	pg/g	96	SW846 8290
1,2,3,7,8-PeCDD	100	103	pg/g	103	SW846 8290
1,2,3,4,7,8-HxCDD	100	95.5	pg/g	95	SW846 8290
1,2,3,6,7,8-HxCDD	100	105	pg/g	105	SW846 8290
1,2,3,7,8,9-HxCDD	100	95.7	pg/g	96	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	102	pg/g	102	SW846 8290
OCDD	200	215	pg/g	108	SW846 8290
2,3,7,8-TCDF	20.0	20.8	pg/g	104	SW846 8290
1,2,3,7,8-PeCDF	100	97.2	pg/g	97	SW846 8290
2,3,4,7,8-PeCDF	100	105	pg/g	105	SW846 8290
1,2,3,4,7,8-HxCDF	100	108	pg/g	108	SW846 8290
1,2,3,6,7,8-HxCDF	100	107	pg/g	107	SW846 8290
2,3,4,6,7,8-HxCDF	100	124	pg/g	124	SW846 8290
1,2,3,7,8,9-HxCDF	100	111	pg/g	111	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	102	pg/g	102	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	81.4	pg/g	81	SW846 8290
OCDF	200	198	pg/g	99	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	74	(40 - 135)
13C-1,2,3,7,8-PeCDD	78	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	105	(40 - 135)
13C-OCDD	90	(40 - 135)
13C-2,3,7,8-TCDF	64	(40 - 135)
13C-1,2,3,7,8-PeCDF	69	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	73	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	112	(40 - 135)

NOTE (S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #....: GOD160437 Work Order #....: LX0PR1AF-MS Matrix.....: SOLID
 MS Lot-Sample #: GOD140543-010 LX0PR1AG-MSD
 Date Sampled....: 04/12/10 Date Received...: 04/14/10
 Prep Date.....: 04/20/10 Analysis Date...: 04/29/10
 Prep Batch #....: 0110455
 Dilution Factor: 0.99 % Moisture.....: 5.8

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,3,7,8-TCDD	113	(77 - 130)			SW846 8290
	126	(77 - 130)	8.3	(0-30)	SW846 8290
1,2,3,7,8-PeCDD	116	(79 - 134)			SW846 8290
	130	(79 - 134)	9.1	(0-29)	SW846 8290
1,2,3,4,7,8-HxCDD	101	(65 - 144)			SW846 8290
	126	(65 - 144)	20	(0-36)	SW846 8290
1,2,3,6,7,8-HxCDD	123	(73 - 147)			SW846 8290
	138	(73 - 147)	8.8	(0-36)	SW846 8290
1,2,3,7,8,9-HxCDD	109	(80 - 143)			SW846 8290
	136	(80 - 143)	19	(0-31)	SW846 8290
1,2,3,4,6,7,8-HpCDD	139 a	(86 - 134)			SW846 8290
	175 a	(86 - 134)	15	(0-28)	SW846 8290
OCDD	122	(80 - 137)			SW846 8290
	142 a	(80 - 137)	11	(0-32)	SW846 8290
2,3,7,8-TCDF	282	(79 - 137)			SW846 8290
	407	(79 - 137)	15	(0-30)	SW846 8290
		Qualifiers: a,G,CON			
1,2,3,7,8-PeCDF	193 a	(81 - 134)			SW846 8290
	226 a	(81 - 134)	7.3	(0-27)	SW846 8290
2,3,4,7,8-PeCDF	153 a	(76 - 132)			SW846 8290
	145 a	(76 - 132)	3.2	(0-31)	SW846 8290
1,2,3,4,7,8-HxCDF	326 a,G	(72 - 140)			SW846 8290
	410 a,G	(72 - 140)	9.4	(0-32)	SW846 8290
1,2,3,6,7,8-HxCDF	220 a,G	(63 - 152)			SW846 8290
	267 a,G	(63 - 152)	8.2	(0-38)	SW846 8290
2,3,4,6,7,8-HxCDF	145 G	(72 - 151)			SW846 8290
	123 G	(72 - 151)	12	(0-35)	SW846 8290
1,2,3,7,8,9-HxCDF	117 G	(72 - 152)			SW846 8290
	137 G	(72 - 152)	11	(0-36)	SW846 8290
1,2,3,4,6,7,8-HpCDF	544 a,E	(81 - 137)			SW846 8290
	747 a,E	(81 - 137)	11	(0-33)	SW846 8290
1,2,3,4,7,8,9-HpCDF	209 a	(79 - 139)			SW846 8290
	229 a	(79 - 139)	2.6	(0-35)	SW846 8290
OCDF	210 a,E	(75 - 141)			SW846 8290
	551 a,E	(75 - 141)	15	(0-45)	SW846 8290

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: GOD160437 **Work Order #...**: LX0PR1AF-MS **Matrix.....**: SOLID
MS Lot-Sample #: GOD140543-010 LX0PR1AG-MSD

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2, 3, 7, 8-TCDD	55	(40 - 135)
	63	(40 - 135)
13C-1, 2, 3, 7, 8-PeCDD	59	(40 - 135)
	63	(40 - 135)
13C-1, 2, 3, 6, 7, 8-HxCDD	65	(40 - 135)
	65	(40 - 135)
13C-1, 2, 3, 4, 6, 7, 8-HpCDD	55	(40 - 135)
	66	(40 - 135)
13C-OCDD	47	(40 - 135)
	70	(40 - 135)
13C-2, 3, 7, 8-TCDF	49	(40 - 135)
	63	(40 - 135)
13C-1, 2, 3, 7, 8-PeCDF	58	(40 - 135)
	68	(40 - 135)
13C-1, 2, 3, 4, 7, 8-HxCDF	62	(40 - 135)
	70	(40 - 135)
13C-1, 2, 3, 4, 6, 7, 8-HpCDF	58	(40 - 135)
	74	(40 - 135)

NOTE (S) :

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

B Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CON Confirmation analysis.

E Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #....: GOD160437 Work Order #....: LX0PR1AF-MS Matrix.....: SOLID
 MS Lot-Sample #: GOD140543-010 LX0PR1AG-MSD
 Date Sampled....: 04/12/10 Date Received...: 04/14/10
 Prep Date.....: 04/20/10 Analysis Date...: 04/29/10
 Prep Batch #....: 0110455
 Dilution Factor: 0.99 % Moisture.....: 5.8

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
2,3,7,8-TCDD	5.1	21.2	29.1	pg/g	113		SW846 8290
	5.1	21.0	31.6	pg/g	126	8.3	SW846 8290
1,2,3,7,8-PeCDD	16	106	139	pg/g	116		SW846 8290
	16	105	152	pg/g	130	9.1	SW846 8290
1,2,3,4,7,8-HxCDD	9.6	106	116	pg/g	101		SW846 8290
	9.6	105	142	pg/g	126	20	SW846 8290
1,2,3,6,7,8-HxCDD	20	106	151	pg/g	123		SW846 8290
	20	105	164	pg/g	138	8.8	SW846 8290
1,2,3,7,8,9-HxCDD	15	106	130	pg/g	109		SW846 8290
	15	105	157	pg/g	136	19	SW846 8290
1,2,3,4,6,7,8-HpCDD	77	106	225	pg/g	139 a		SW846 8290
	77	105	260	pg/g	175 a	15	SW846 8290
OCDD	85	212	344	pg/g	122		SW846 8290
	85	210	383	pg/g	142 a	11	SW846 8290
2,3,7,8-TCDF	100	21.2	162	pg/g	282		SW846 8290
	Qualifiers: a,G,CON						
1,2,3,7,8-PeCDF	100	21.0	188	pg/g	407	15	SW846 8290
	Qualifiers: a,G,CON						
2,3,4,7,8-PeCDF	230	106	438	pg/g	193 a		SW846 8290
	230	105	472	pg/g	226 a	7.3	SW846 8290
1,2,3,4,7,8-HxCDF	140	106	299	pg/g	153 a		SW846 8290
	140	105	289	pg/g	145 a	3.2	SW846 8290
1,2,3,4,6,7,8-HxCDF	520	106	863	pg/g	326		SW846 8290
	Qualifiers: a,G						
1,2,3,6,7,8-HxCDF	520	105	947	pg/g	410	9.4	SW846 8290
	Qualifiers: a,G						
2,3,4,6,7,8-HxCDF	320	106	549	pg/g	220		SW846 8290
	Qualifiers: a,G						
1,2,3,7,8,9-HxCDF	320	105	595	pg/g	267	8.2	SW846 8290
	Qualifiers: a,G						
1,2,3,4,7,8,9-HxCDF	71	106	224	pg/g	145 G		SW846 8290
	71	105	199	pg/g	123 G	12	SW846 8290
1,2,3,4,6,7,8-HpCDF	45	106	169	pg/g	117 G		SW846 8290
	45	105	188	pg/g	137 G	11	SW846 8290
1,2,3,4,7,8,9-HpCDF	1200	106	1790	pg/g	544		SW846 8290
	Qualifiers: a,E						
1,2,3,4,7,8,9-HpCDF	1200	105	2000	pg/g	747	11	SW846 8290
	Qualifiers: a,E						
1,2,3,4,6,7,8,9-HpCDF	490	106	715	pg/g	209 a		SW846 8290
	490	105	733	pg/g	229 a	2.6	SW846 8290

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: GOD160437 Work Order #...: LX0PR1AF-MS Matrix.....: SOLID
 MS Lot-Sample #: GOD140543-010 LX0PR1AG-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
OCDF	3900	212	4340	pg/g	210		SW846 8290
		Qualifiers: a,E					
	3900	210	5050	pg/g	551	15	SW846 8290
		Qualifiers: a,E					

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2, 3, 7, 8-TCDD	55	(40 - 135)
	63	(40 - 135)
13C-1, 2, 3, 7, 8-PeCDD	59	(40 - 135)
	63	(40 - 135)
13C-1, 2, 3, 6, 7, 8-HxCDD	65	(40 - 135)
	65	(40 - 135)
13C-1, 2, 3, 4, 6, 7, 8-HpCDD	55	(40 - 135)
	66	(40 - 135)
13C-OCDD	47	(40 - 135)
	70	(40 - 135)
13C-2, 3, 7, 8-TCDF	49	(40 - 135)
	63	(40 - 135)
13C-1, 2, 3, 7, 8-PeCDF	58	(40 - 135)
	68	(40 - 135)
13C-1, 2, 3, 4, 7, 8-HxCDF	62	(40 - 135)
	70	(40 - 135)
13C-1, 2, 3, 4, 6, 7, 8-HpCDF	58	(40 - 135)
	74	(40 - 135)

NOTE(S) :

- Calculations are performed before rounding to avoid round-off errors in calculated results.
- Bold print denotes control parameters
- Results and reporting limits have been adjusted for dry weight.
- a Spiked analyte recovery is outside stated control limits.
- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
- CON Confirmation analysis.
- E Estimated result. Result concentration exceeds the calibration range.

SOLID, D 2216-90, Percent Moisture

Northgate Environmental Management, Inc.

Client Sample ID: SSAO4-01-1BPC

General Chemistry

Lot-Sample #: GOD160437-001 Work Order #: LX3A0 Matrix: SO
Date Sampled: 04/14/10 Date Received: 04/16/10
% Moisture: 7.3

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	7.3	0.10	%	ASTM D 2216-90	04/23-04/24/10	0113151

Dilution Factor: 1

Northgate Environmental Management, Inc.

Client Sample ID: SA106-3BPC

General Chemistry

Lot-Sample #...: GOD160437-003 Work Order #...: LX3A9 Matrix.....: SO
Date Sampled...: 04/14/10 Date Received...: 04/16/10
% Moisture.....: 6.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	6.4	0.10	%	ASTM D 2216-90	04/23-04/24/10	0113151

Dilution Factor: 1

QC DATA ASSOCIATION SUMMARY

G0D160437

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	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0113151	0113095
	SO	TAL-SOP Dioxin Sc		0106281	
002	SO	TAL-SOP Dioxin Sc		0106281	
003	SO	SW846 8290		0110455	0110281
	SO	ASTM D 2216-90		0113151	0113095
	SO	TAL-SOP Dioxin Sc		0106281	
004	SO	TAL-SOP Dioxin Sc		0106281	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: GOD160437

Work Order #....: LX3AJ-SMP
LX3AJ-DUP

Matrix.....: SOLID

Date Sampled...: 04/14/10

Date Received...: 04/16/10

% Moisture.....: 7.6

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>	<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	7.6	9.0	%	17	(0-20)	SD Lot-Sample #: GOD160435-011 ASTM D 2216-90	04/23-04/24/10	0113151

Dilution Factor: 1

SOLID, 8290, 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

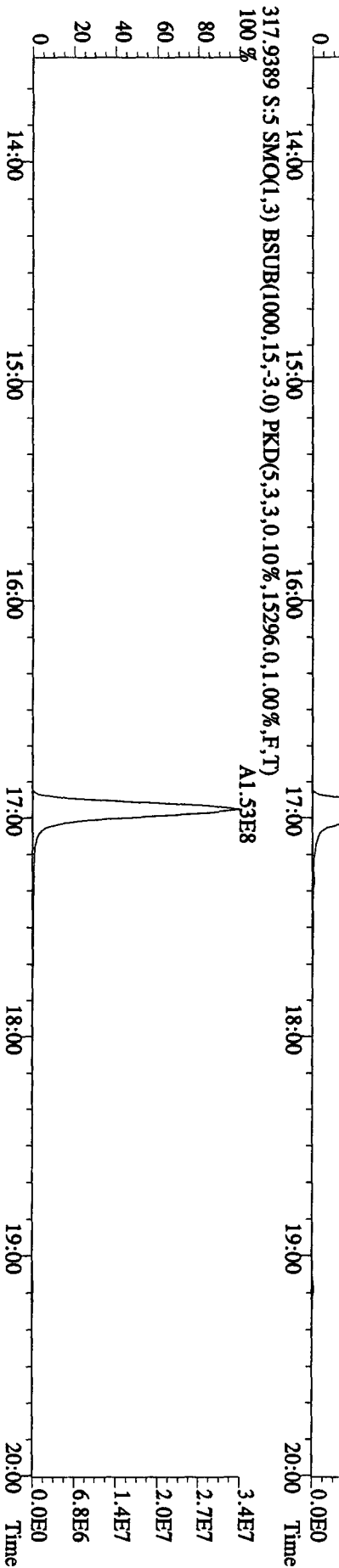
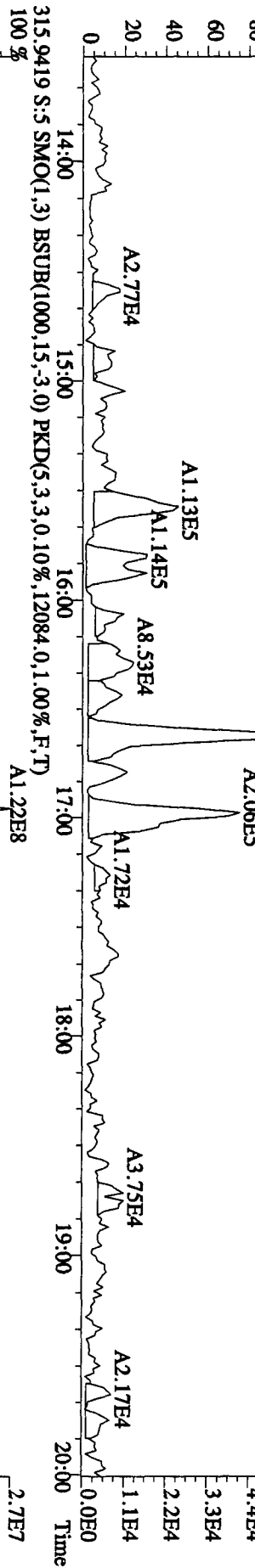
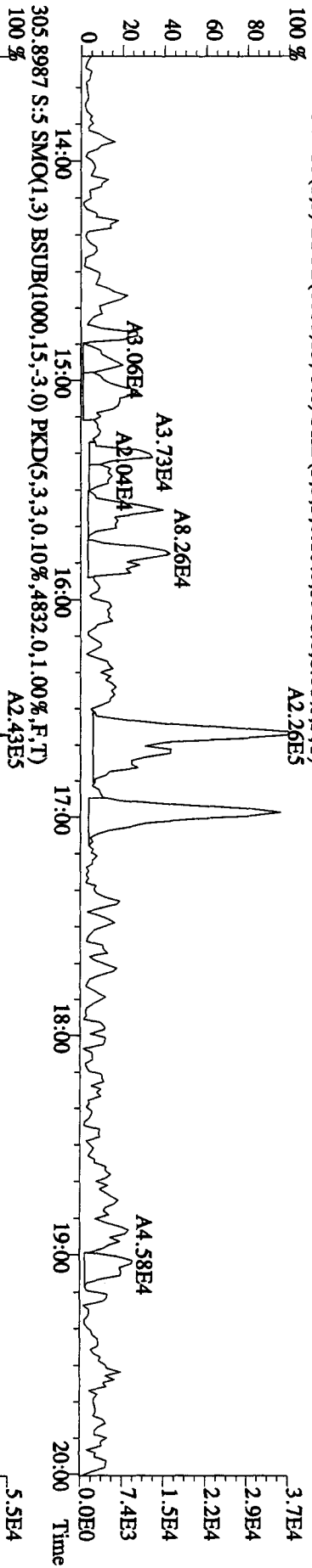
ms tune data

Run text: LX85A-1-AA Sample text: LX85A-1-AA :GOD200000-455B
 Run #7 Filename: 26AP10A1D5 S: 5 I: 1 Results: 26AP10A4D58290
 Acquired: 26-APR-10 21:50:31 Processed: 27-APR-10 10:17:33
 Run: 26AP10A1D5 Analyte: 8290HRS Cal: 62901231091D5
 Sample size: 10.00 g

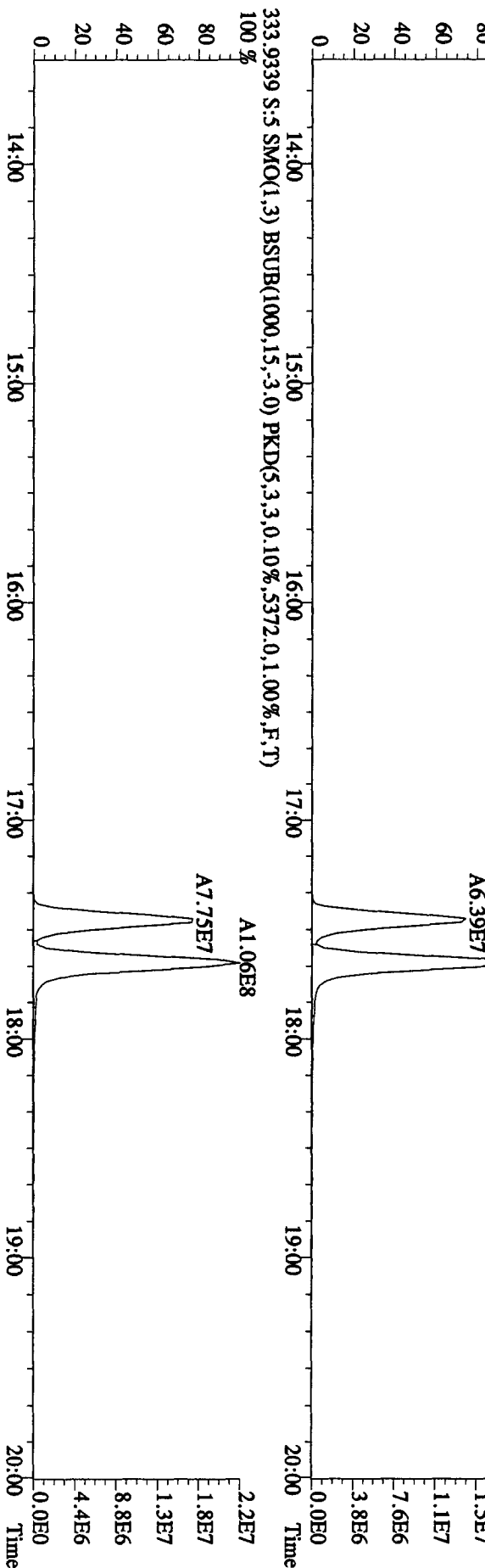
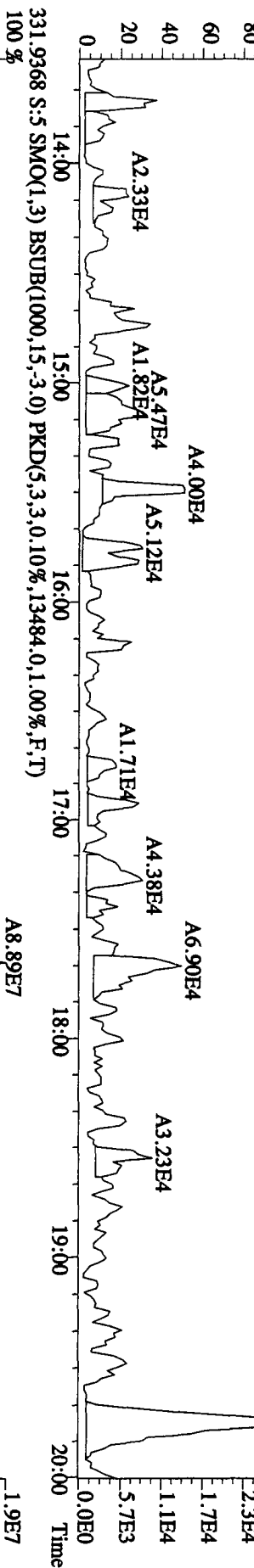
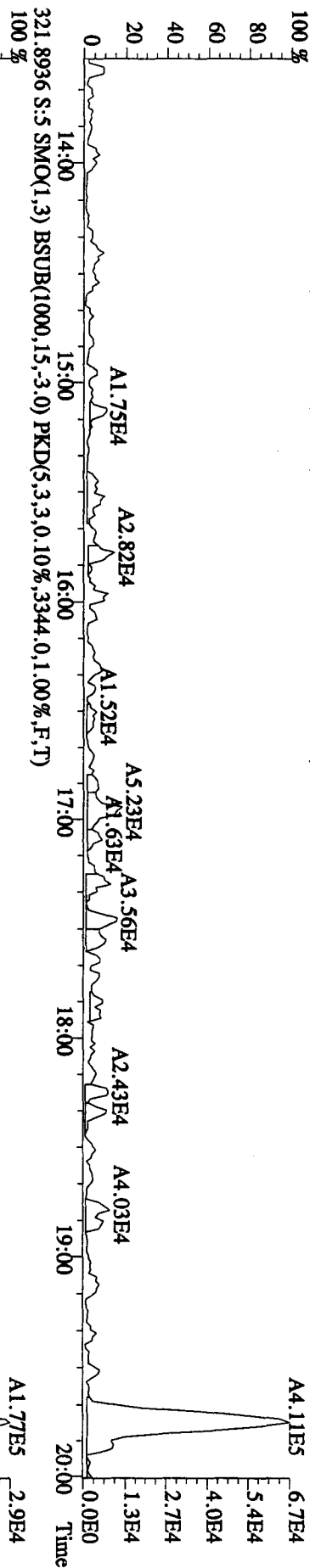
*4/27/10
 MC*

Name	Resp	RA	RT	RRF	Conc	<i>(Samples only)</i>	EDL	Rec	M
13C-1,2,3,4-TCDD	141332780	0.82 y	17:27	-	4.5372		-	-	n
13C-2,3,7,8-TCDF	274793400	0.80 y	16:58	1.57	124.1547		0.1685	62.1	n
2,3,7,8-TCDF	360480	0.75 y	16:59	0.86	0.3051	<i>J</i>	0.1014	-	n
Total TCDF	1133009	0.56 n	15:35	0.86	0.9590		0.1014	-	n
13C-2,3,7,8-TCDD	194417880	0.84 y	17:39	0.99	138.4857		0.1830	69.2	n
2,3,7,8-TCDD	*	* n	NotFnd	0.93	*		0.0919	-	n
Total TCDD	635902	0.32 n	15:08	0.93	0.7005		0.0919	-	n
37Cl-2,3,7,8-TCDD	211018752	1.00 y	17:40	2.22	67.3133		0.0311	84.1	n
13C-1,2,3,7,8-PeCDF	216745360	1.64 y	21:53	1.07	142.9442		0.2766	71.5	n
1,2,3,7,8-PeCDF	335777	1.80 n	21:54	1.00	0.3098	<i>J, Q</i>	0.1751	-	n
2,3,4,7,8-PeCDF	98638	0.70 n	23:13	0.94	0.0970		0.1866	-	n
Total F2 PeCDF	1497470	1.27 n	20:34	0.97	<u>1.4187</u>		0.1807	-	n
Total F1 PeCDF	622613	0.77 n	15:07	0.97	<u>0.5927</u>		0.1532	-	n
13C-1,2,3,7,8-PeCDD	137993460	1.67 y	23:55	0.67	146.5243		0.1416	73.3	n
1,2,3,7,8-PeCDD	*	* n	NotFnd	0.93	*		0.2697	-	n
Total PeCDD	133020	0.82 n	20:26	0.93	0.2075		<u>0.2697</u>	-	n
13C-1,2,3,7,8,9-HxCDD	95071520	1.27 y	32:01	-	3.4661		-	-	n
13C-1,2,3,4,7,8-HxCDF	120311816	0.50 y	30:06	0.89	141.7409		0.1248	70.9	n
1,2,3,4,7,8-HxCDF	206717	1.35 y	30:07	1.20	0.2866		0.3031	-	n
1,2,3,6,7,8-HxCDF	53463	1.70 n	30:18	1.37	0.0648		0.2650	-	n
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.24	*		0.2926	-	n
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.33	*		0.2741	-	n
Total HxCDF	669763	1.50 n	27:22	1.28	0.8814		0.2829	-	n
13C-1,2,3,6,7,8-HxCDD	124397304	1.28 y	31:38	0.73	178.7303		0.0551	89.4	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.97	*		0.2387	-	n
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.06	*		0.2188	-	n
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.28	*		0.1816	-	n
Total HxCDD	48270	3.02 n	30:08	1.10	0.0705		0.2103	-	n
13C-1,2,3,4,6,7,8-HpCDF	162355116	0.43 y	33:51	0.86	198.5416		1.5934	99.3	n
1,2,3,4,6,7,8-HpCDF	314906	0.96 y	33:52	1.29	0.3015	<i>J</i>	0.1758	-	n
1,2,3,4,7,8,9-HpCDF	82536	1.04 y	35:04	1.14	0.0896		0.1992	-	n
Total HpCDF	397442	0.96 y	33:52	1.21	0.3911		0.1868	-	n
13C-1,2,3,4,6,7,8-HpCDD	126491848	1.06 y	34:44	0.75	176.8868		0.6028	88.4	n
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.00	*		0.2507	-	n
Total HpCDD	303637	0.68 n	33:14	1.00	0.4811		0.2507	-	n
13C-OCDD	158658000	0.91 y	37:21	0.56	295.6685		1.1225	73.9	n
OCDF	176439	1.41 n	37:27	1.44	0.3095		0.3828	-	n
OCDD	110975	1.15 n	37:22	1.11	0.2522		0.3494	-	n

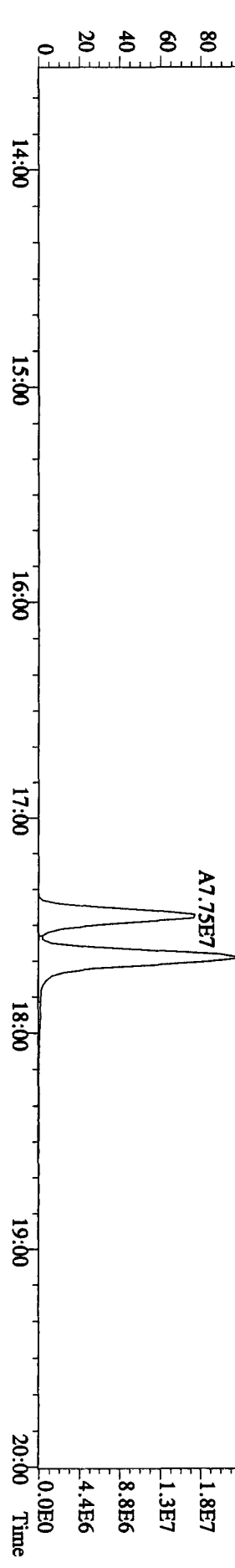
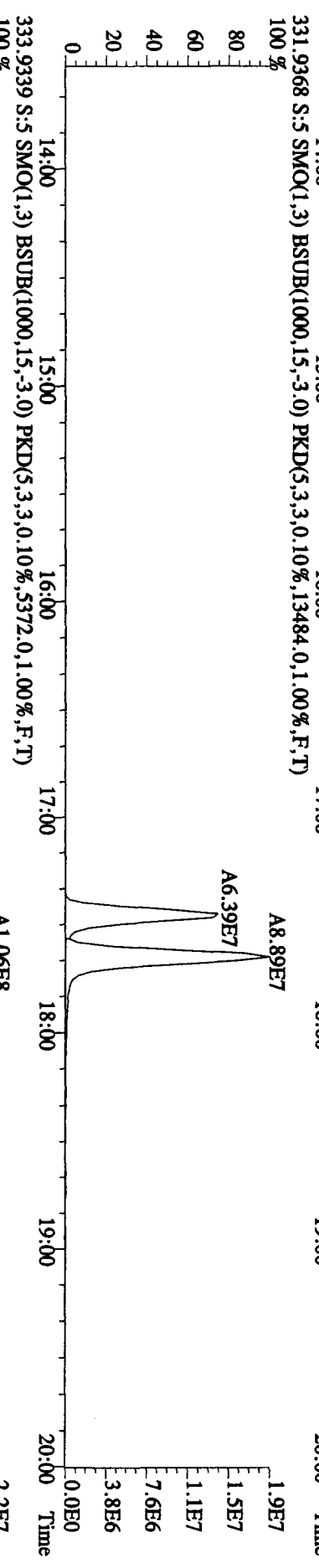
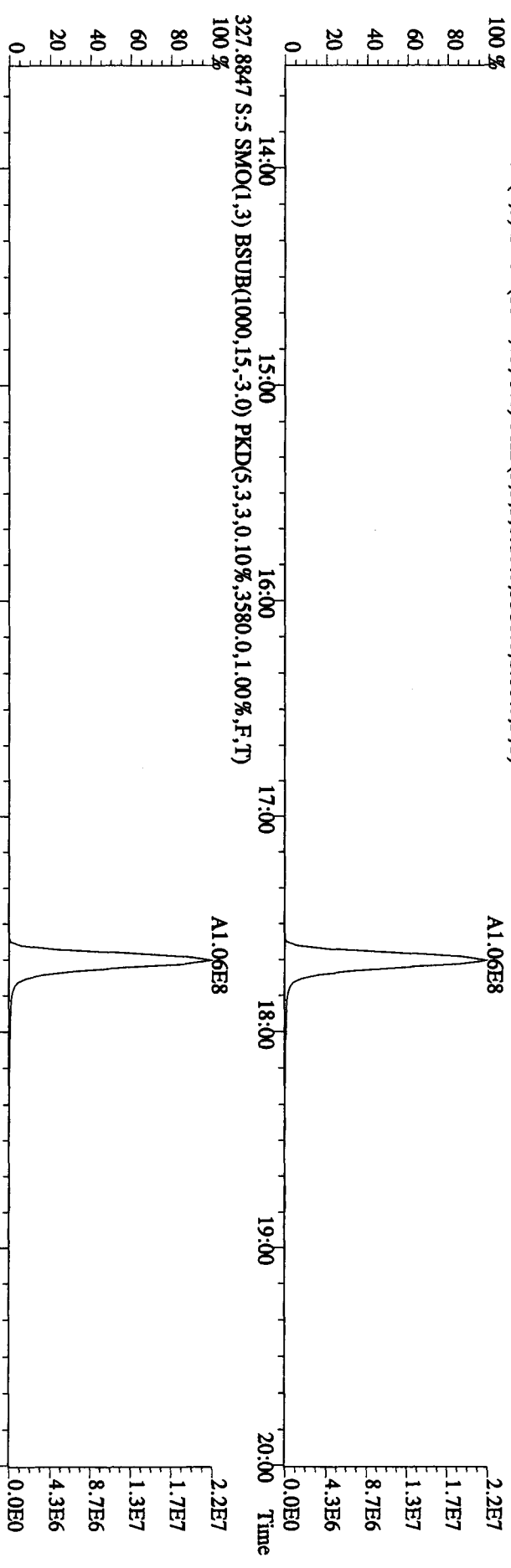
File: 26AP10A1D5 #1-384 Acq: 26-APR-2010 21:50:31 GC EI + Voltage SIR 70SE
 Sample# 5 Text: LK85A-1-AA :GDD200000-455B Exp: DIOXIN
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3968,0.1,00%,F,T)
 100%

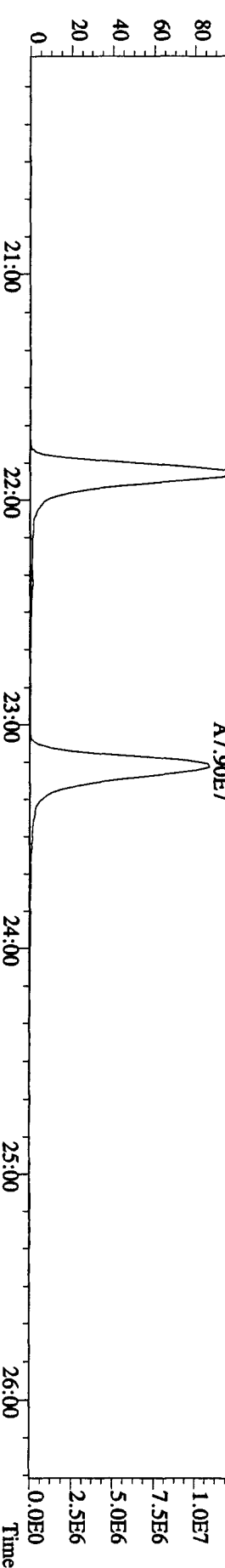
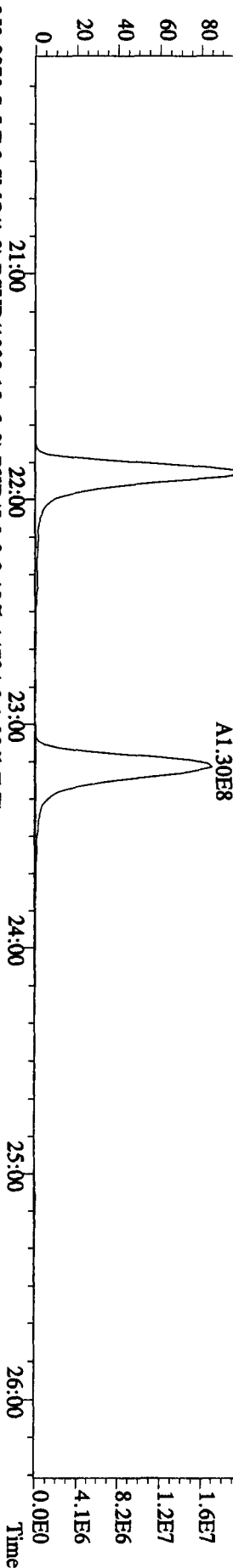
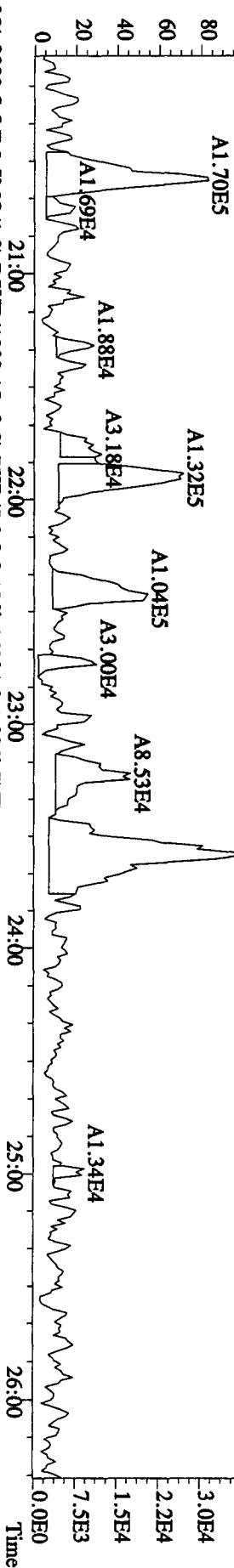
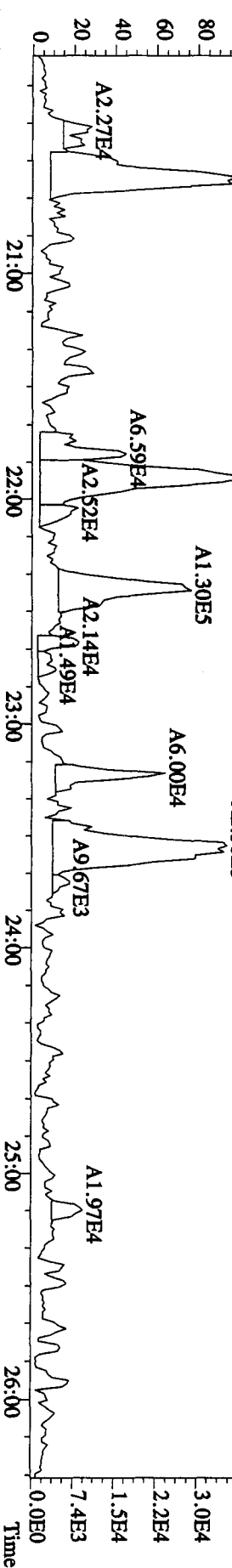


File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
 Sample#5 Text: LX85A-1-AA :G0D200000-455B Exp:DIOXIN
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.2528,0,1,00%,F,T)

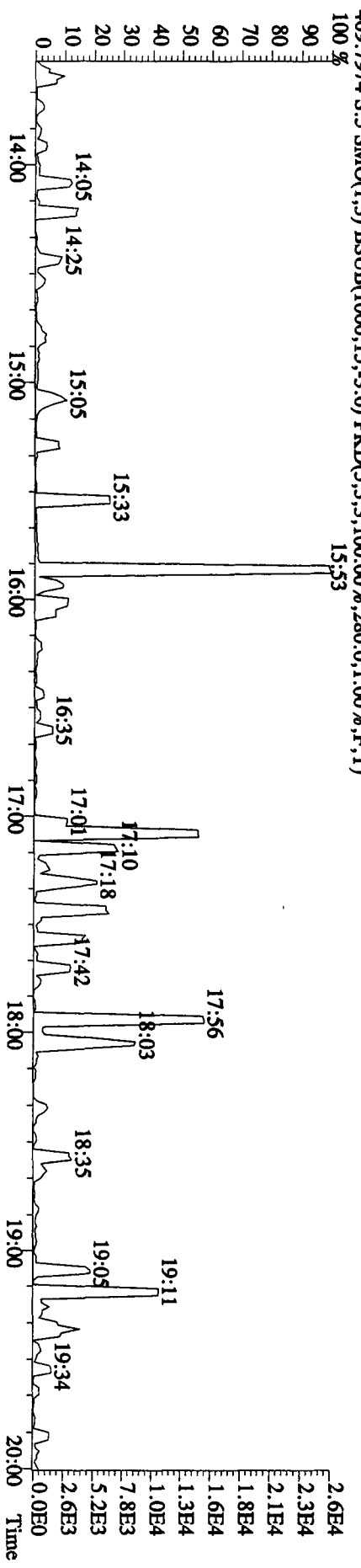
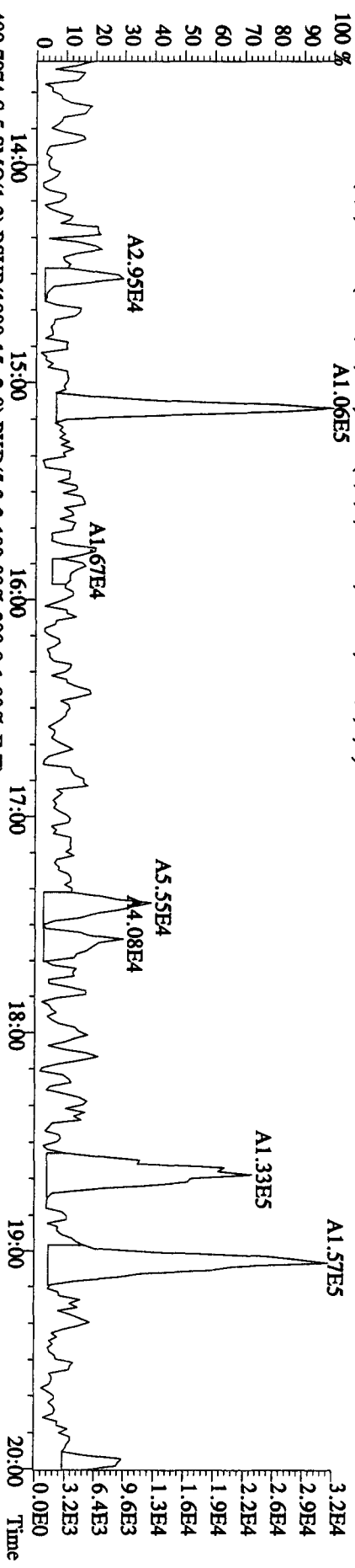
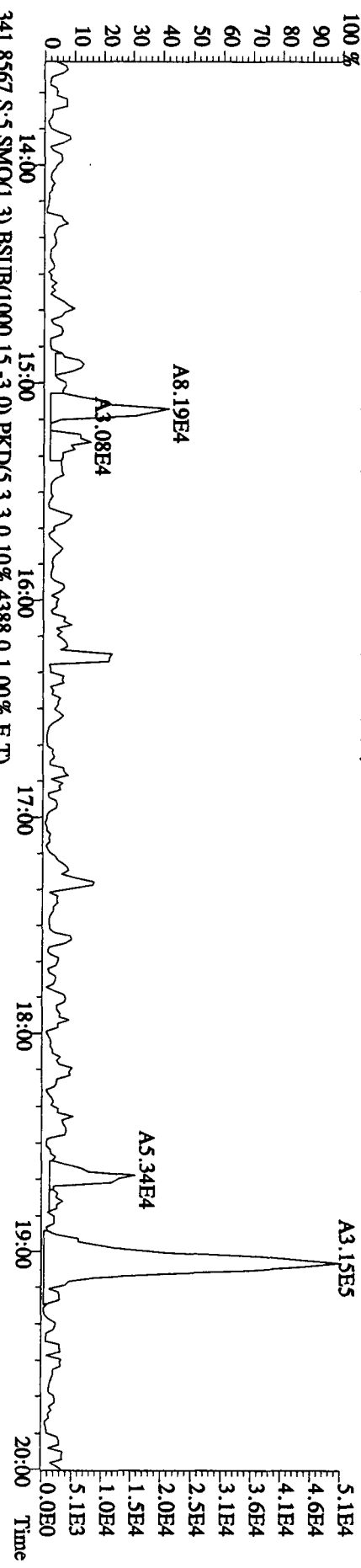


File:26ADP10A1D5 #1-384 Acq:26-APR-2010 21:50:31 GC EI + Voltage SIR 70SE
 Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3580,0,1,00%,F,T)
 100%

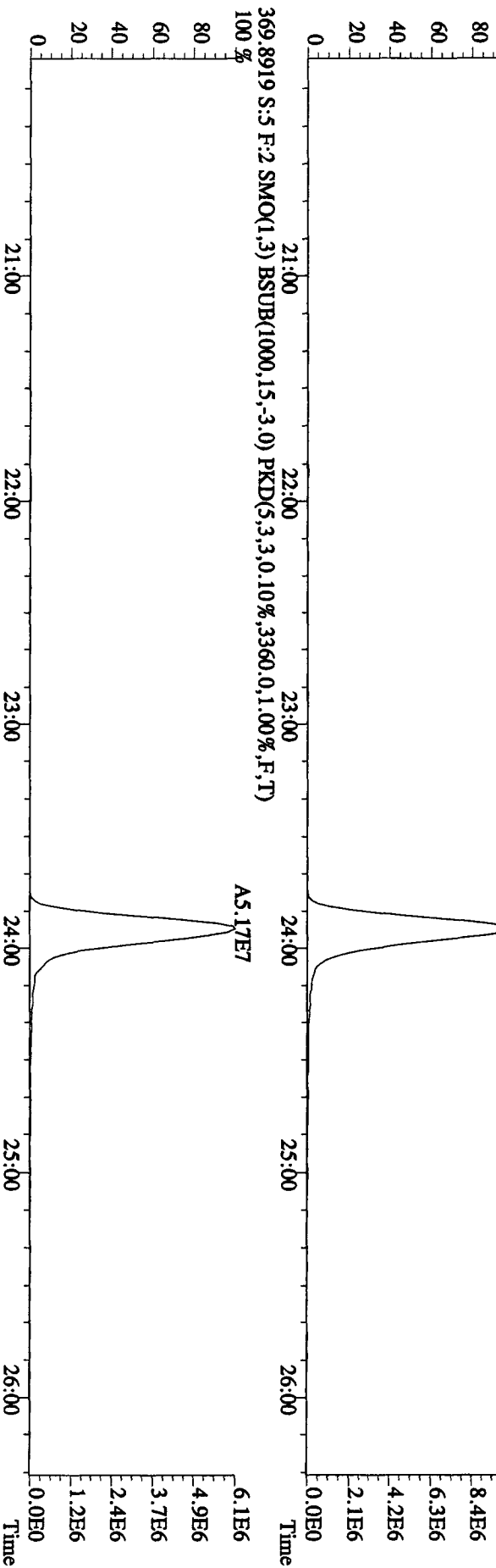
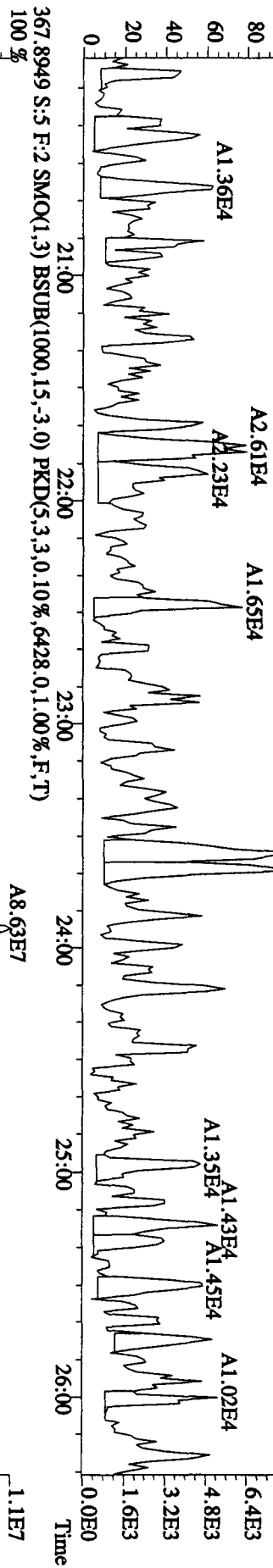
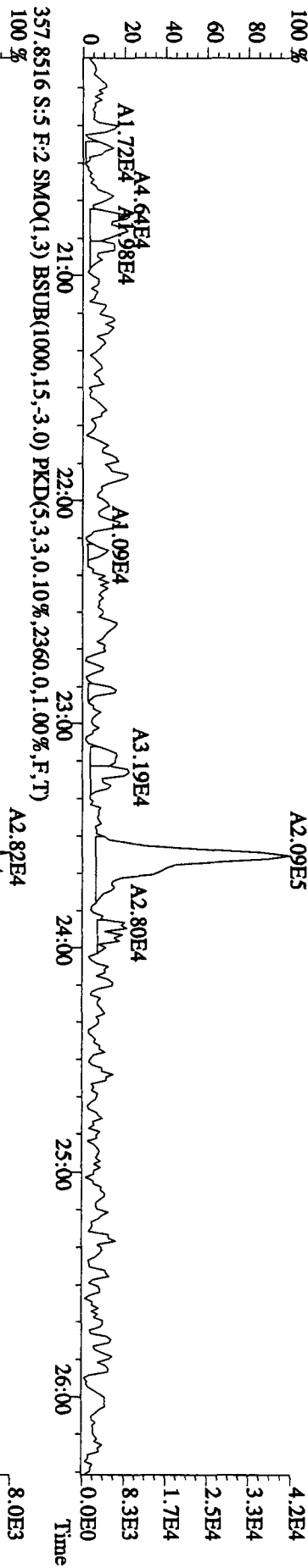




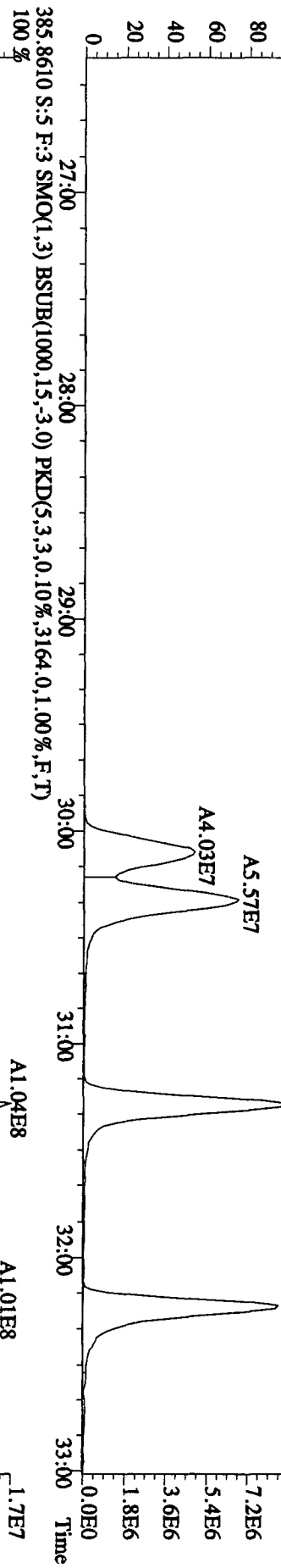
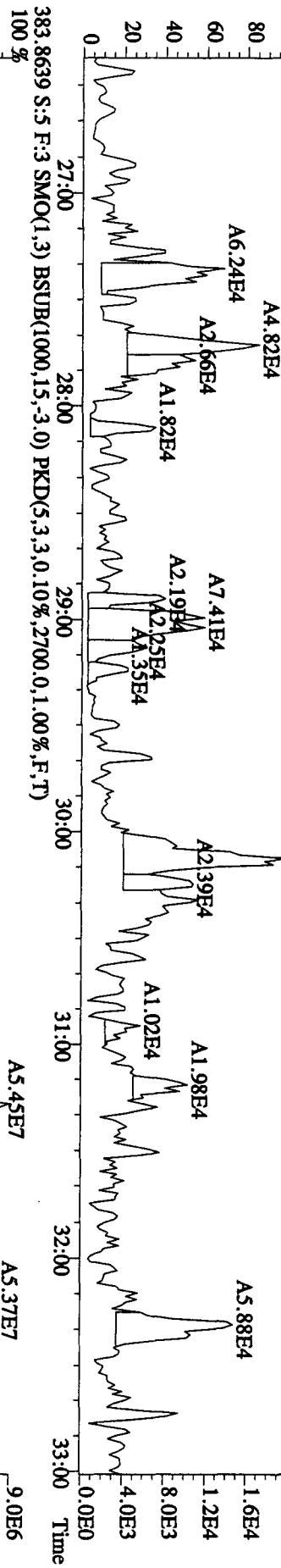
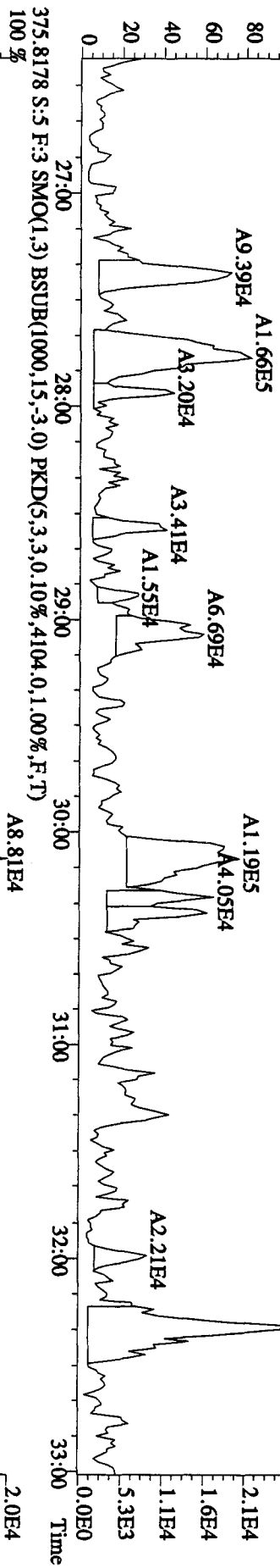
File:26AP10A1ID5 #1-384 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
 Sample#5 Text:LX85A-1-AA :GDD20000-455B Exp:DIOXIN
 339.8597 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3820.0,1.00%,F,T)



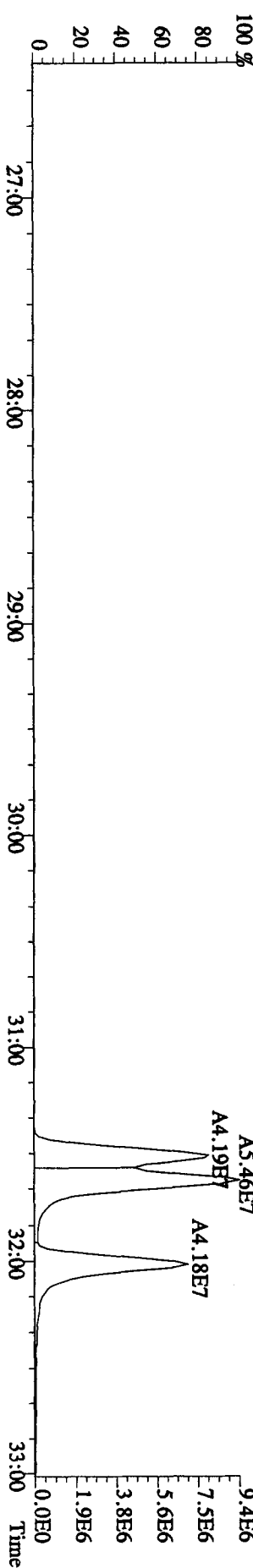
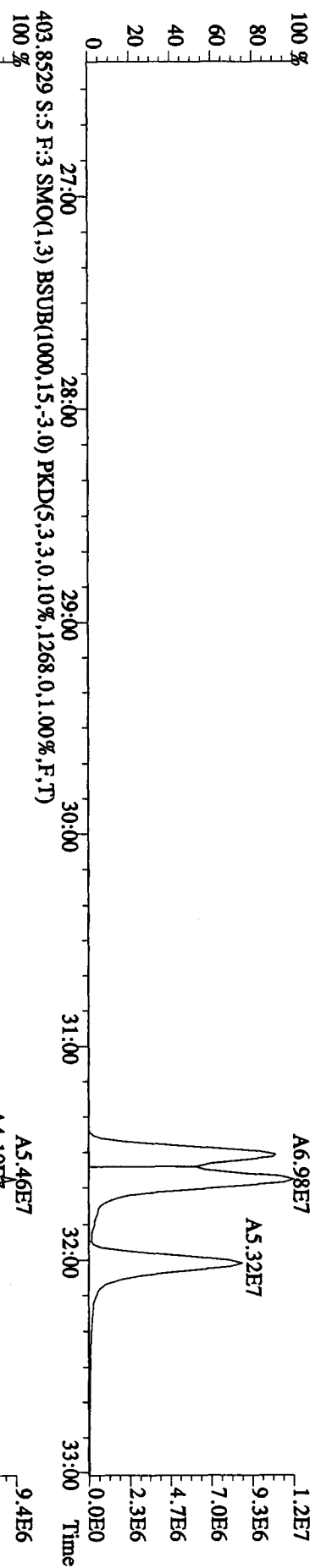
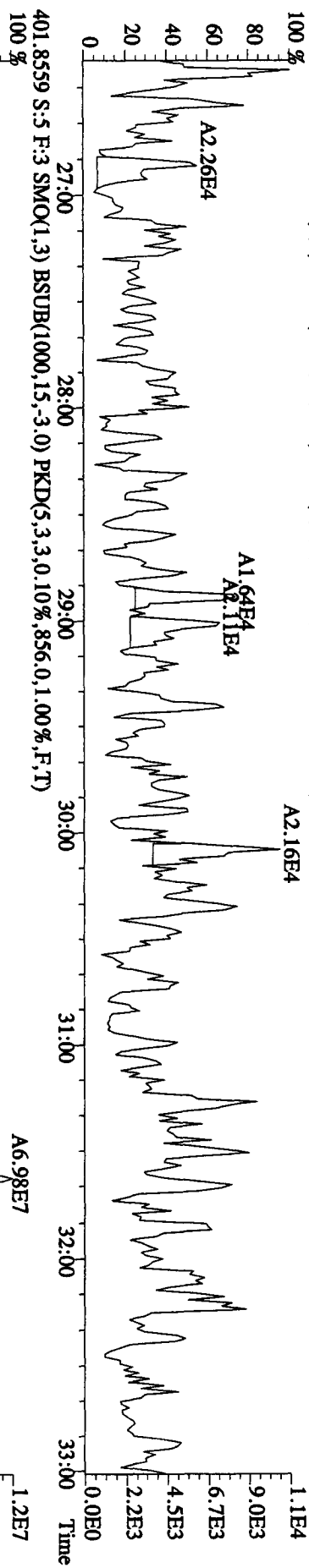
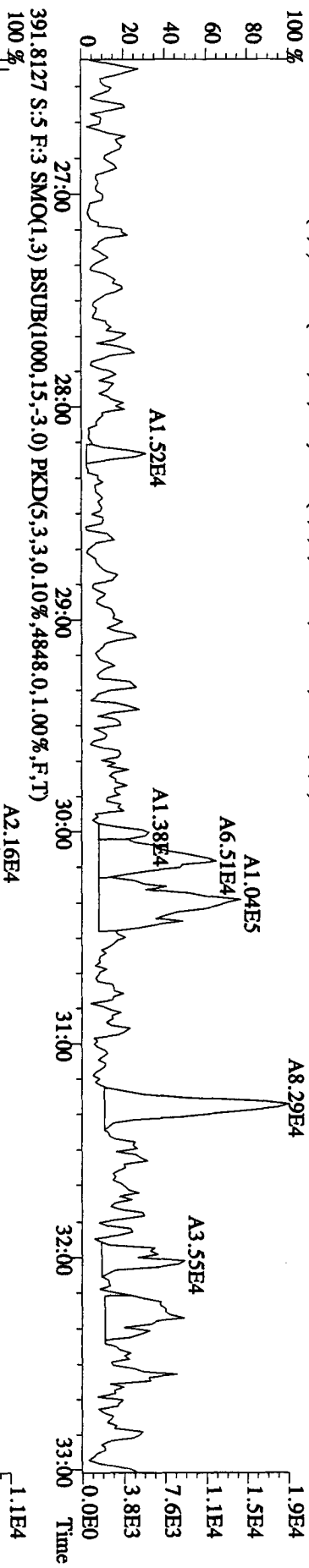
File:26AP10A1D5 #1-445 Acq:26-APR-2010 21:50:31 GC EI + Voltage SIR 70SE
 Sample#5 Text:LX85A-1-AA :GDD200000-455B Exp:DIOXIN
 355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4556,0.1,00%,F,T)



File: 26AP10A1D5 #1-447 Acq: 26-APR-2010 21:50:31 GC EI + Voltage SIR 70SE
 Sample# 5 Text: LX85A-1-AA :G0D200000-455B Exp: DIOXIN
 373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4732,0,1,00%,F,T) 100%



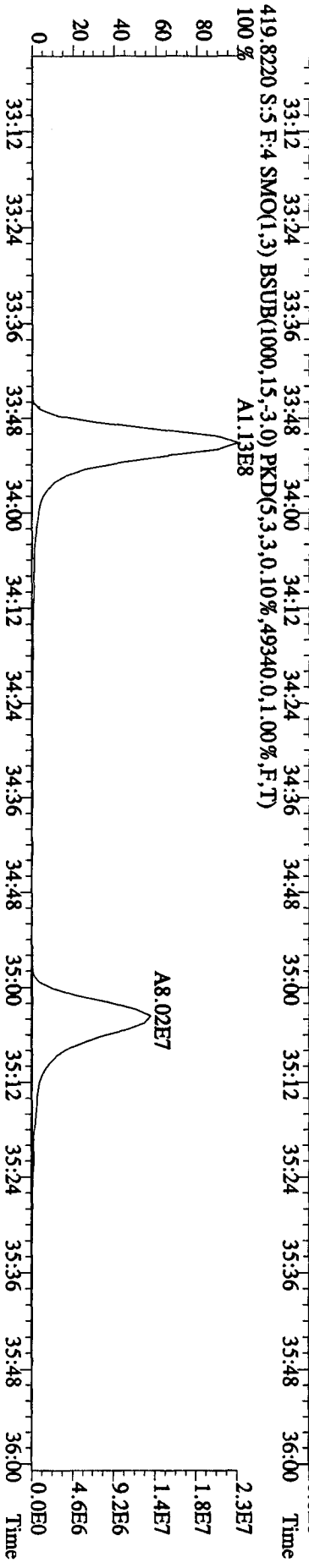
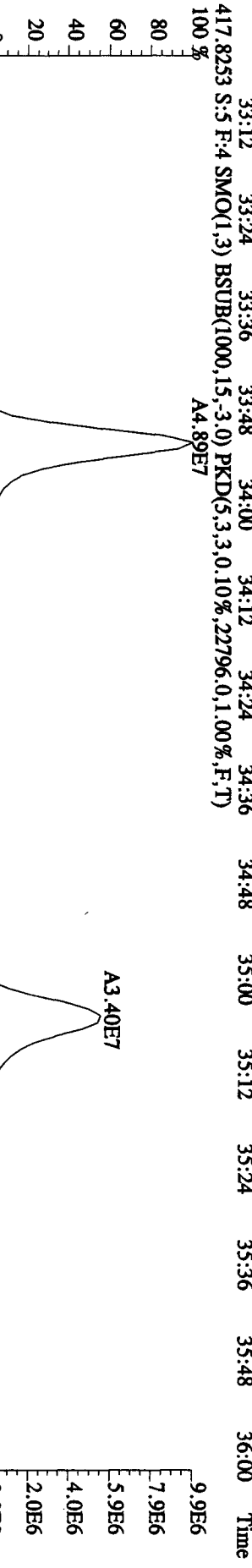
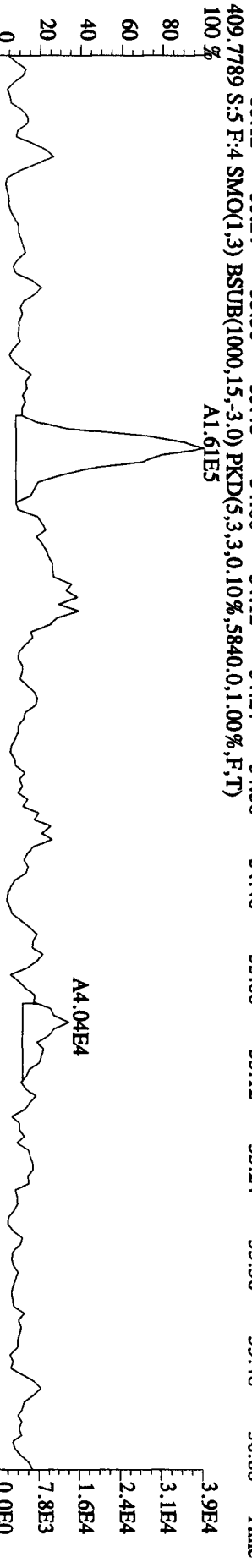
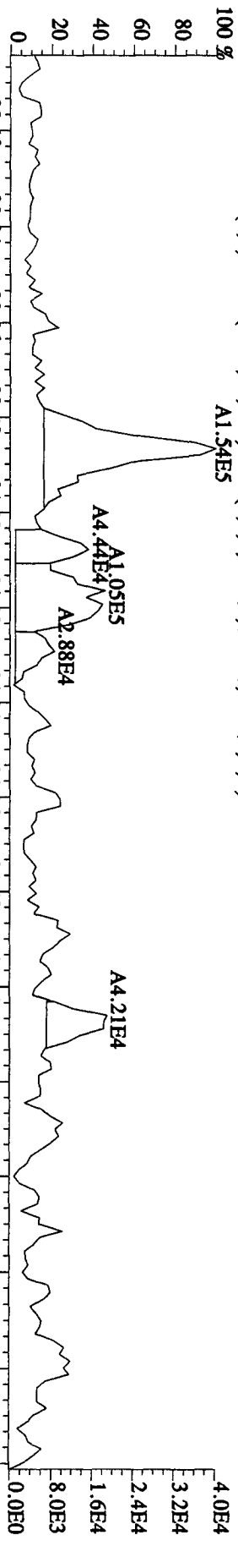
File:26API0A1D5 #1-447 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
 Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN
 389,8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3280,0,1,00%,F,T)



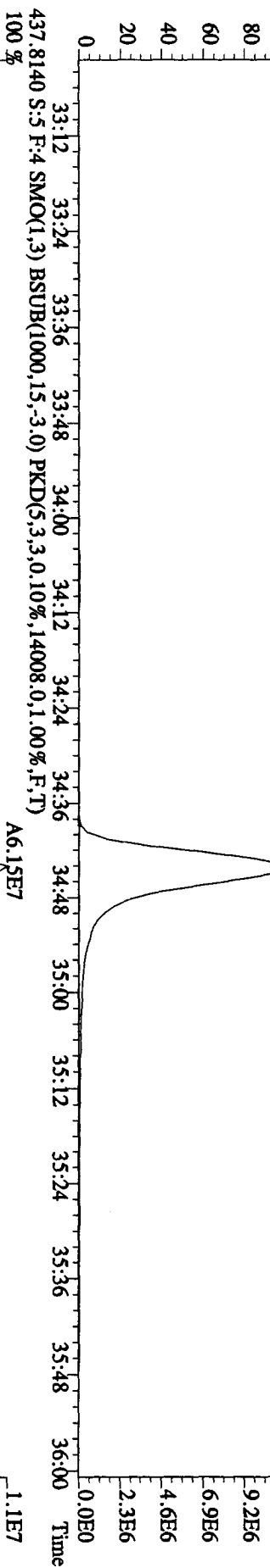
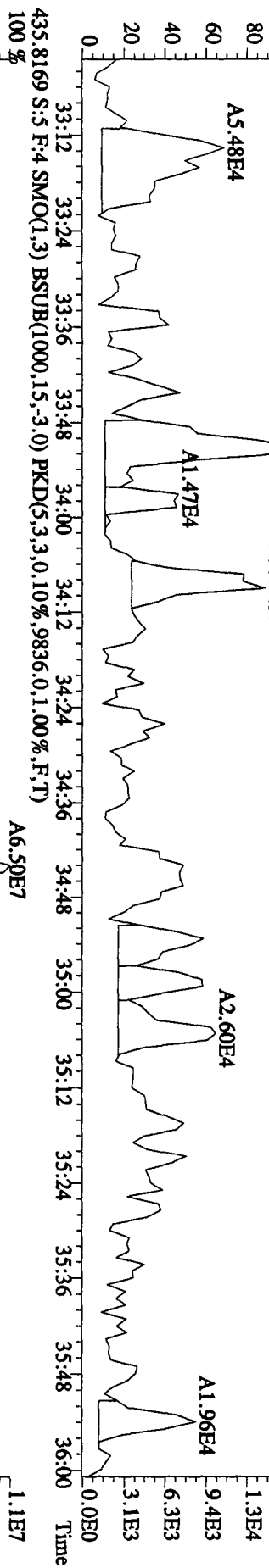
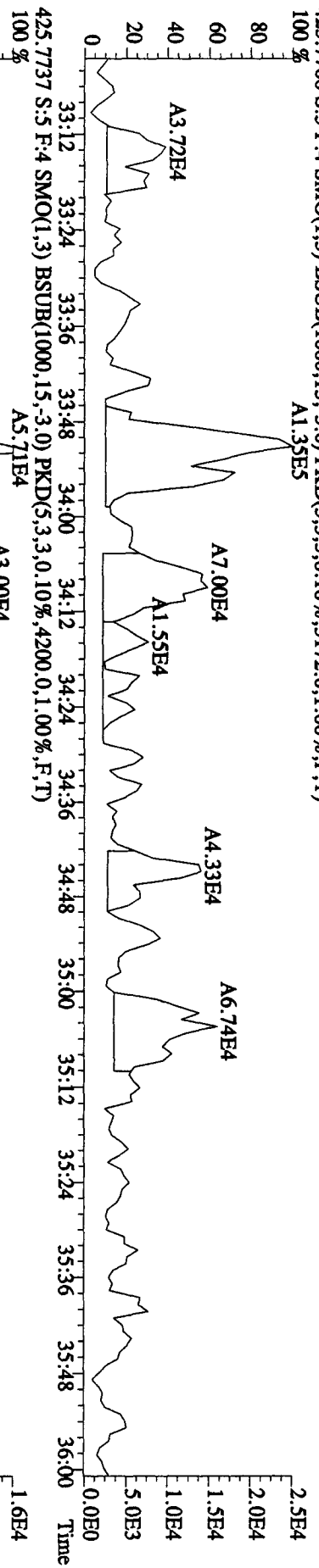
File:26AD10AIDS #1-210 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE

Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN

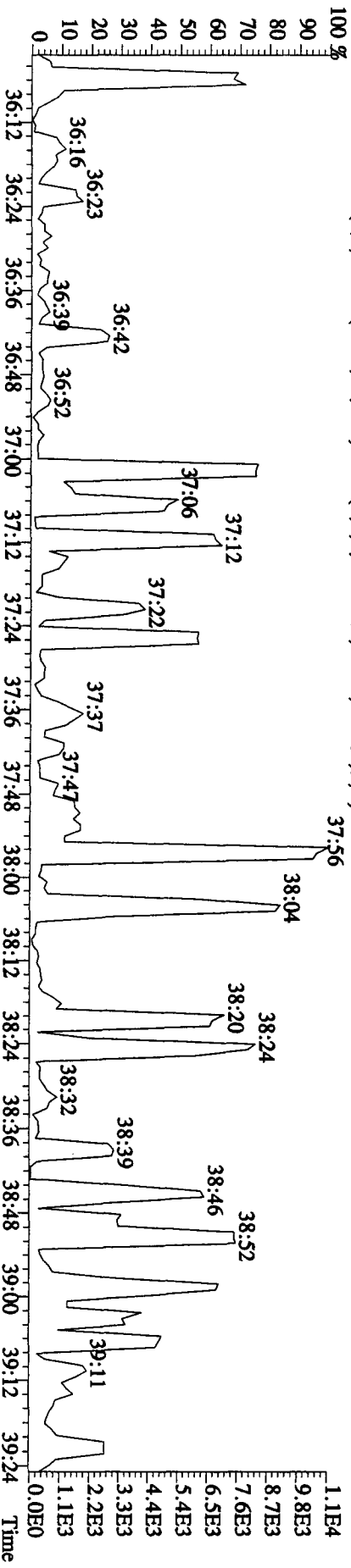
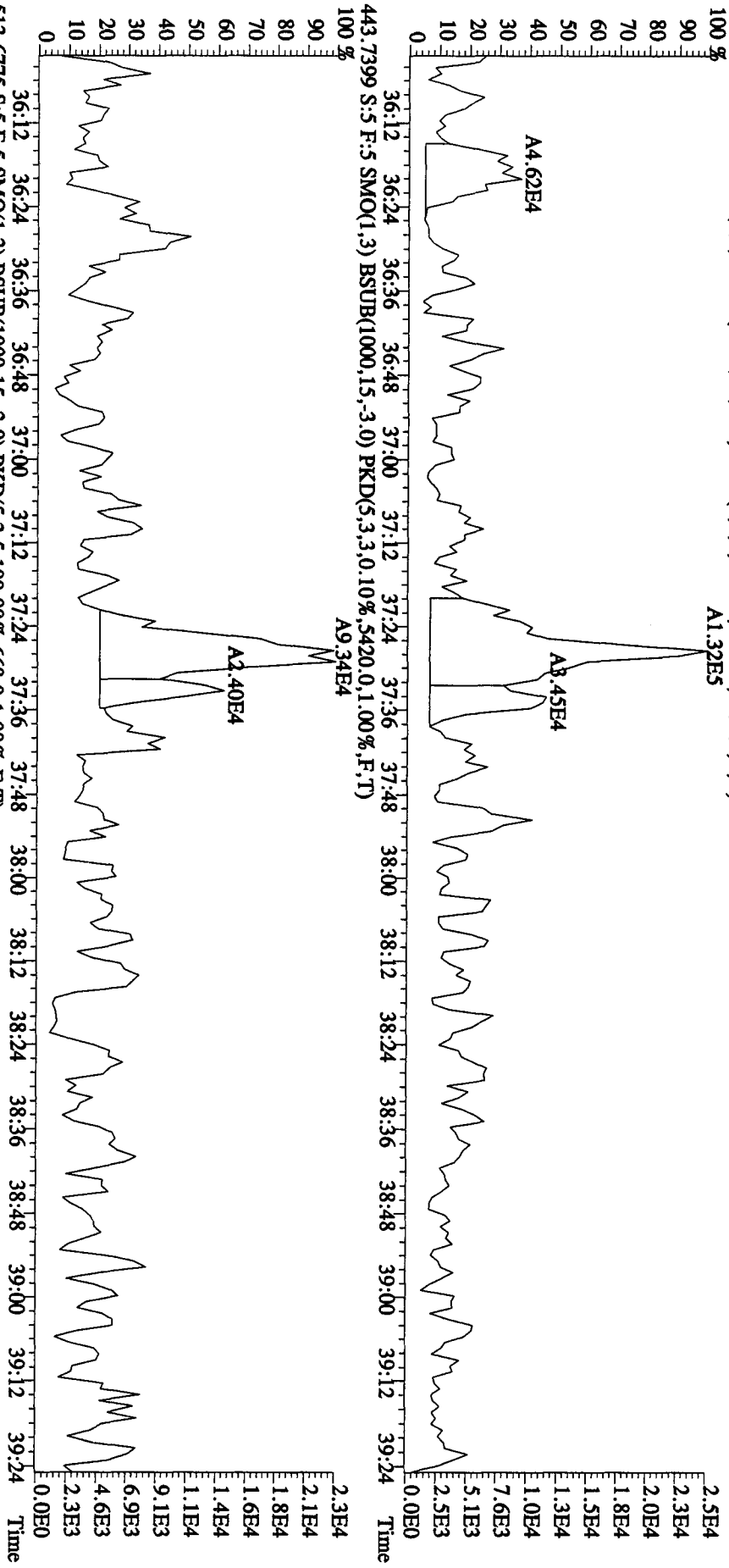
407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6544,0.1,00%,F,T)



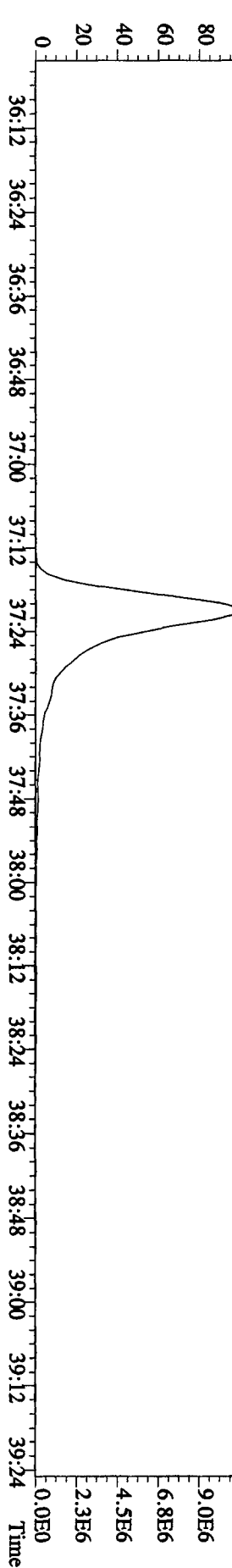
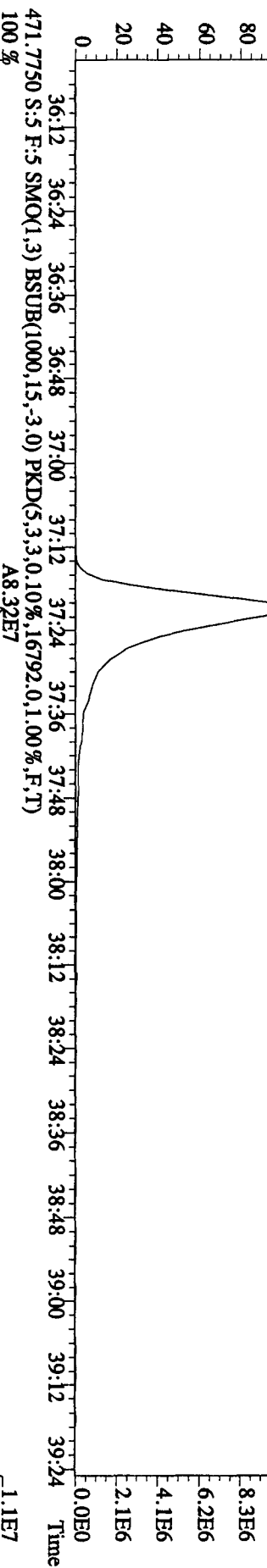
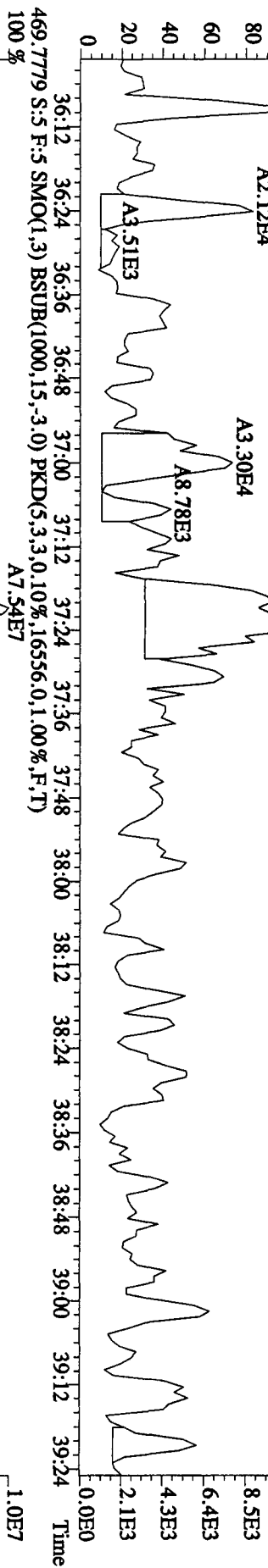
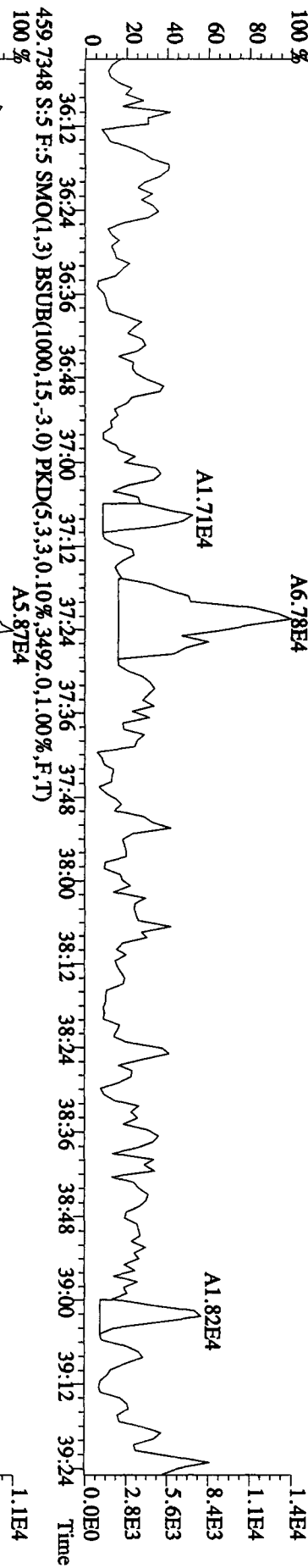
File: 26AP10AID5 #1-210 Acq: 26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
 Sample#5 Text: LX85A-1-AA :G0DD20000-455B Exp: DIOXIN
 423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5172.0,1.00%,F,T)

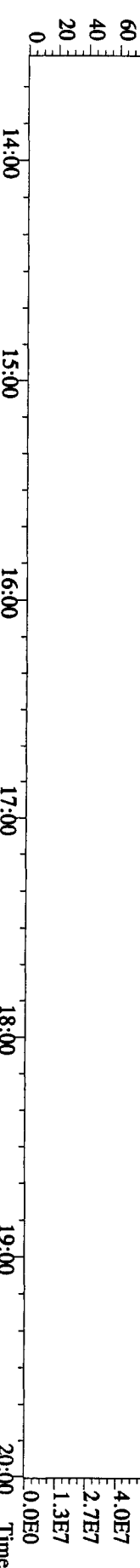
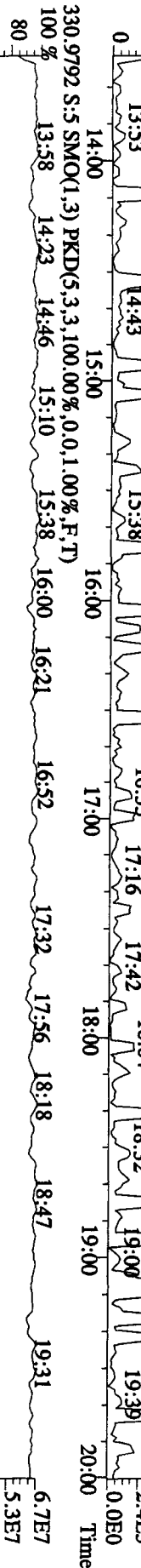
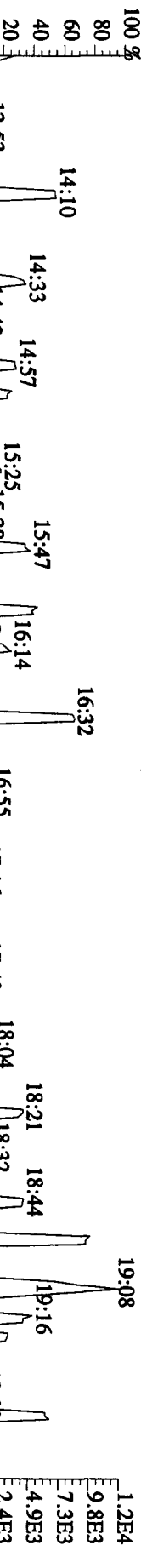
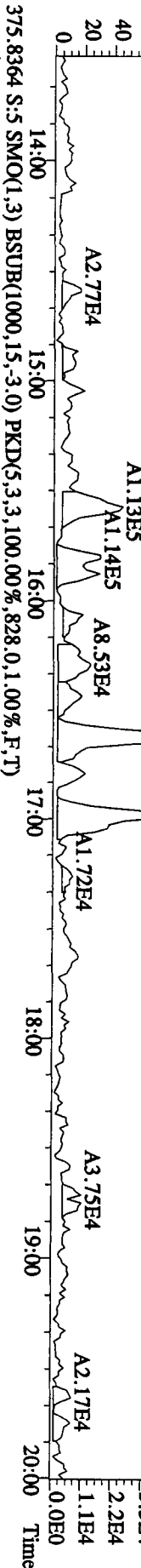
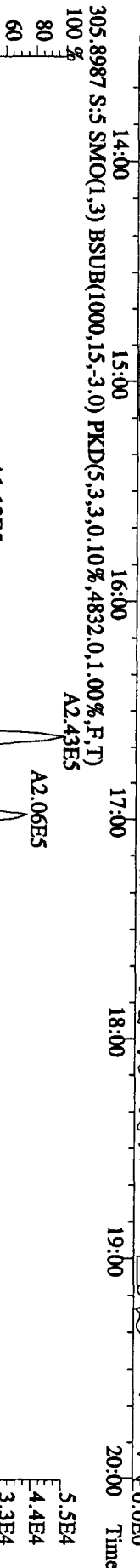
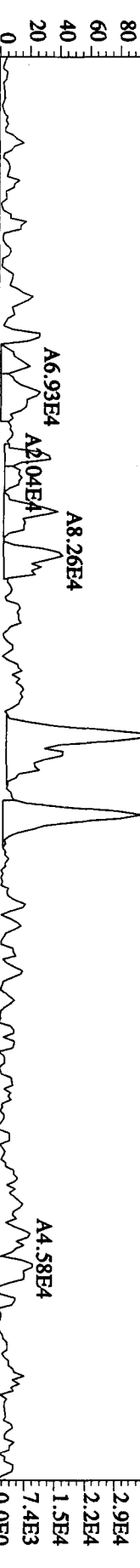
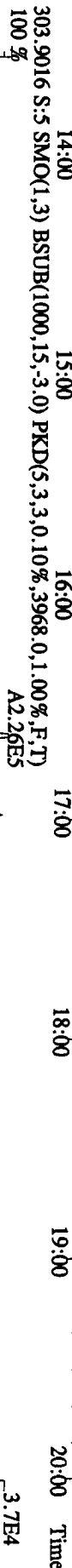
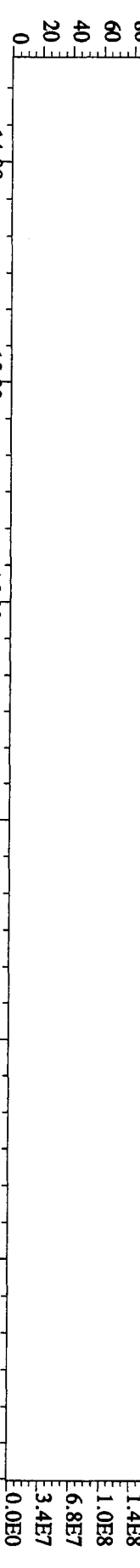


File: 26A10A1D5 #1-244 Acq: 26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
 Sample#5 Text: LX85A-1-AA :GDD200000-455B Exp: DIOXIN
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4480.0,1.00%,F,T)
 100% A1.32E5



File:26AP10A1D5 #1-244 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE
 Sample#5 Text:IX85A-1-AA :GDD200000-455B Exp:DIOXIN
 457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3484,0,1,00%,F,T)
 100%



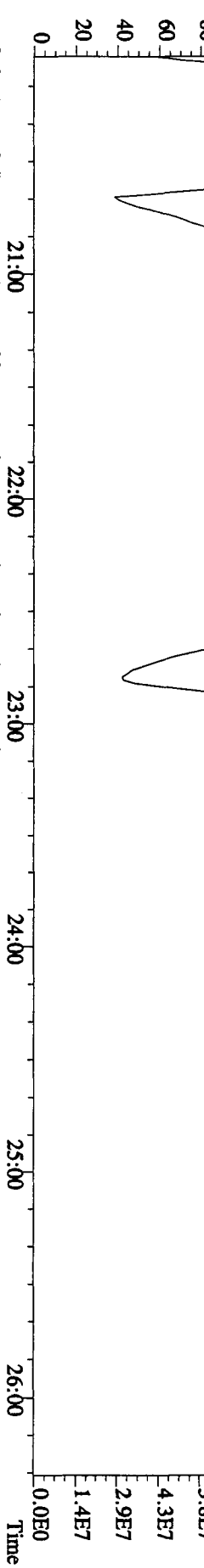


File:26AP10A1D5 #1-445 Acq:26-APR-2010 21:50:31 GC EI+ Voltage SIR 70SE

Sample#5 Text:LX85A-1-AA :G0D200000-455B Exp:DIOXIN

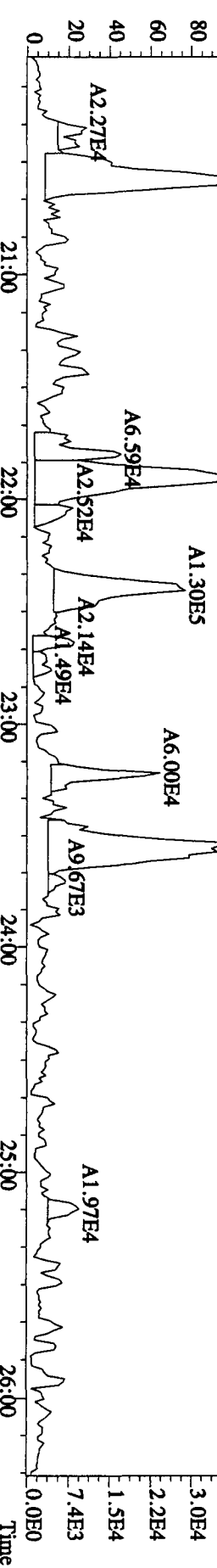
342.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

100 %20:12 20:37 21:00 21:34 22:12 22:36



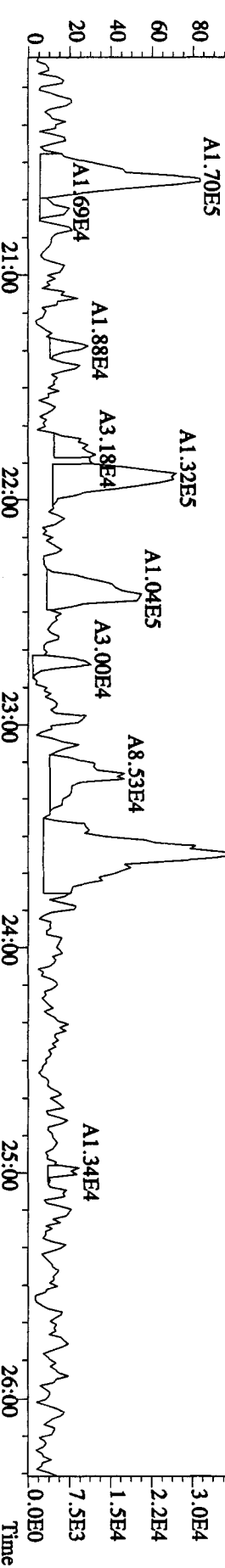
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4132,0,1,00%,F,T)

100 % A2.16E5



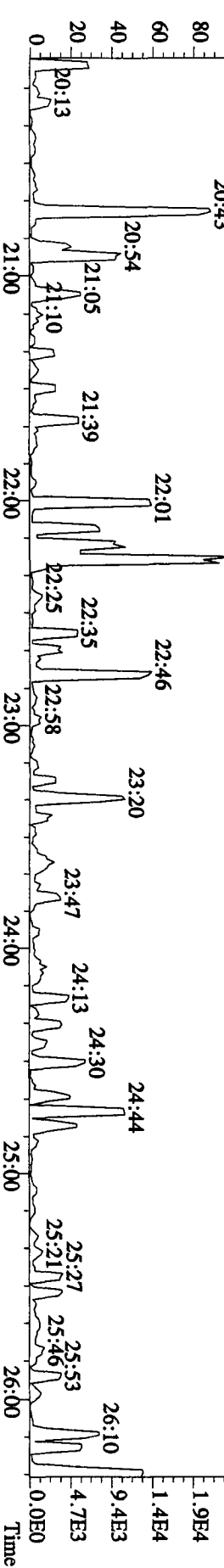
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5548,0,1,00%,F,T)

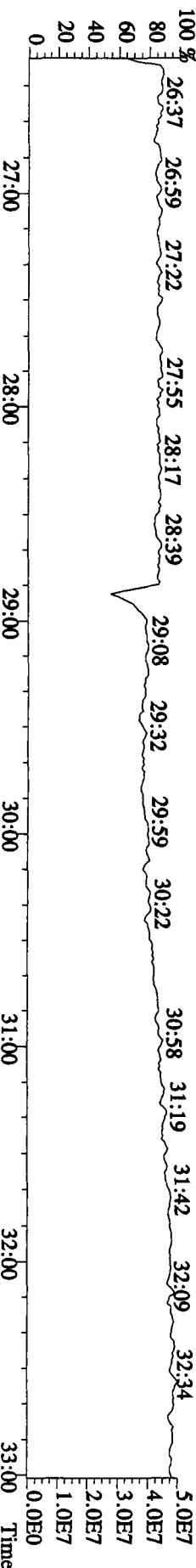
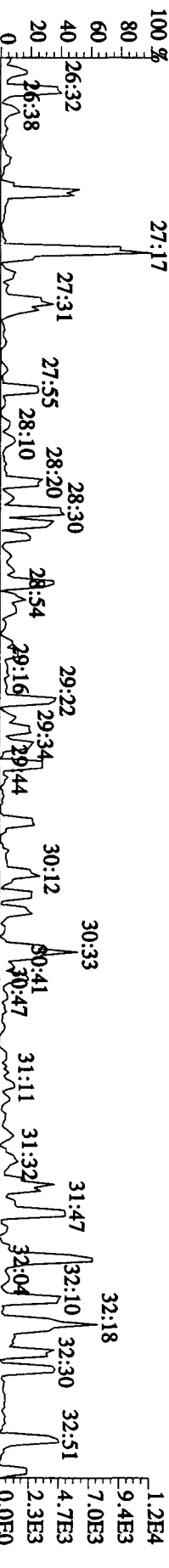
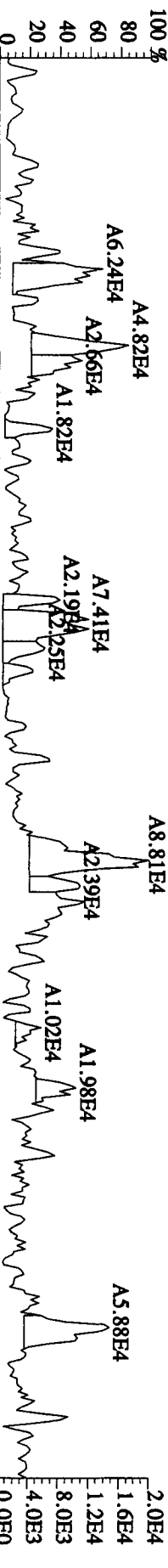
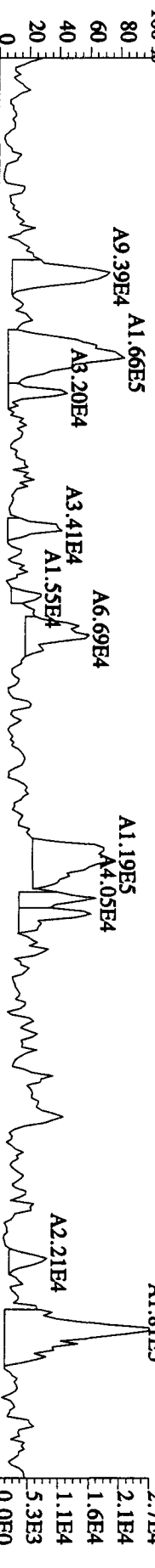
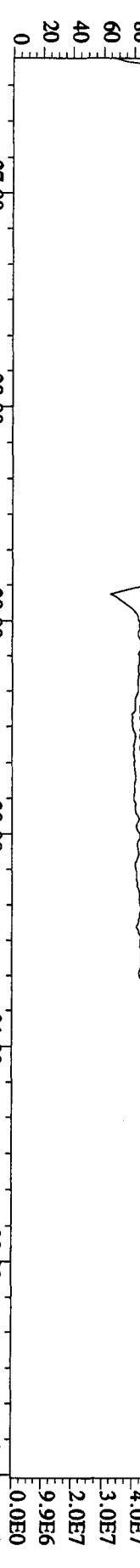
100 % A1.70E5



409.7974 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,772,0,1,00%,F,T)

100 % 20:43

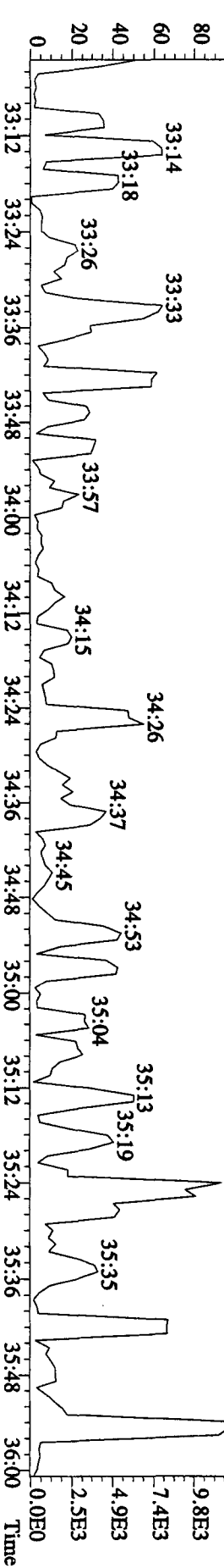
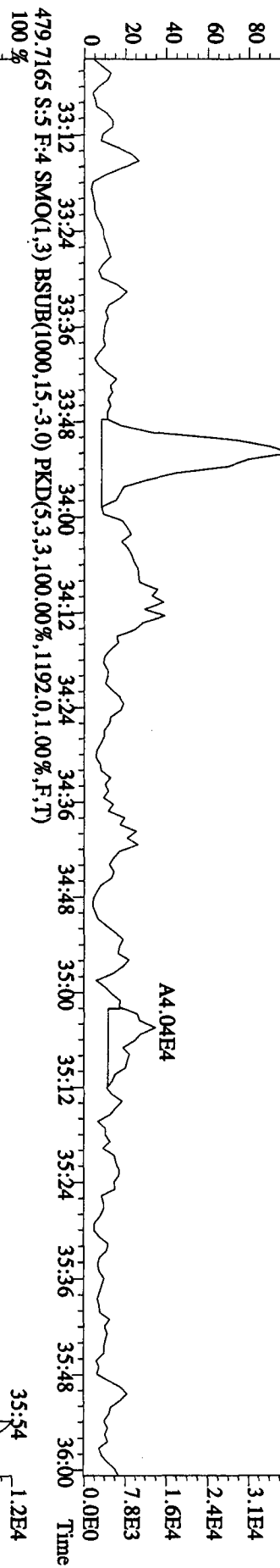
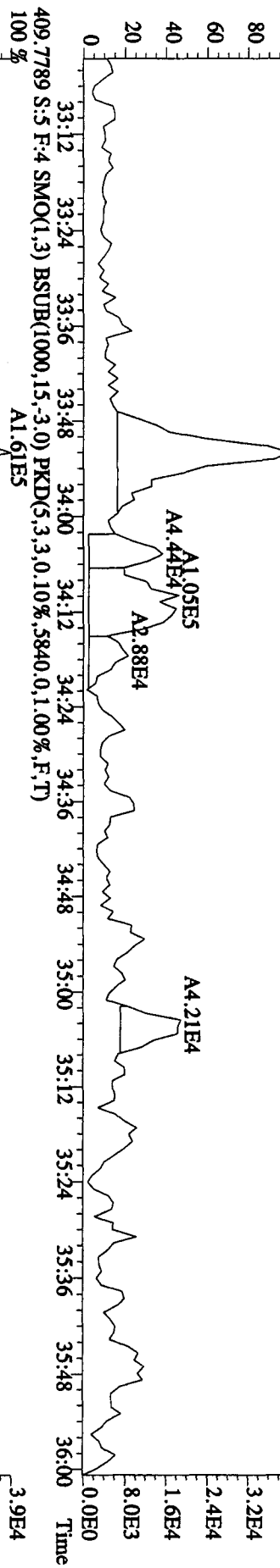
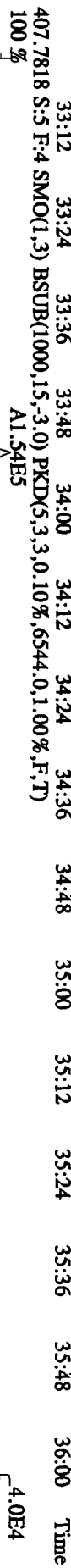
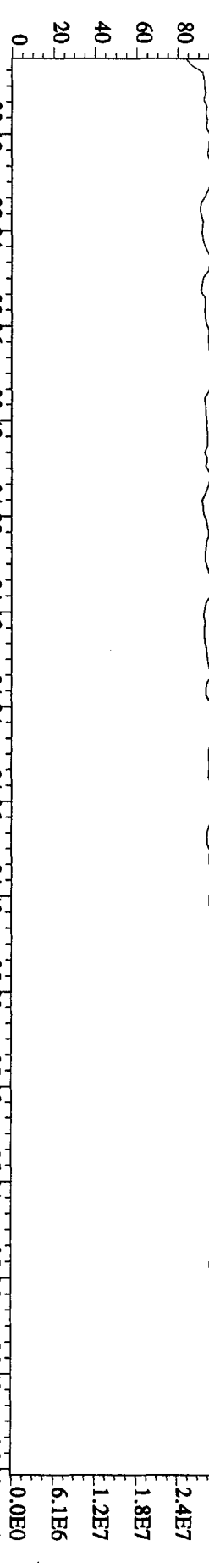




File:26AP10A1D5 #1-210 Acq:26-APR-2010 21:50:31 GC EI + Voltage SIR 70SE

Sample#5 Text:LX85A-1-AA :GDD200000-455B Exp:DIOXIN

430.9728 S:5 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

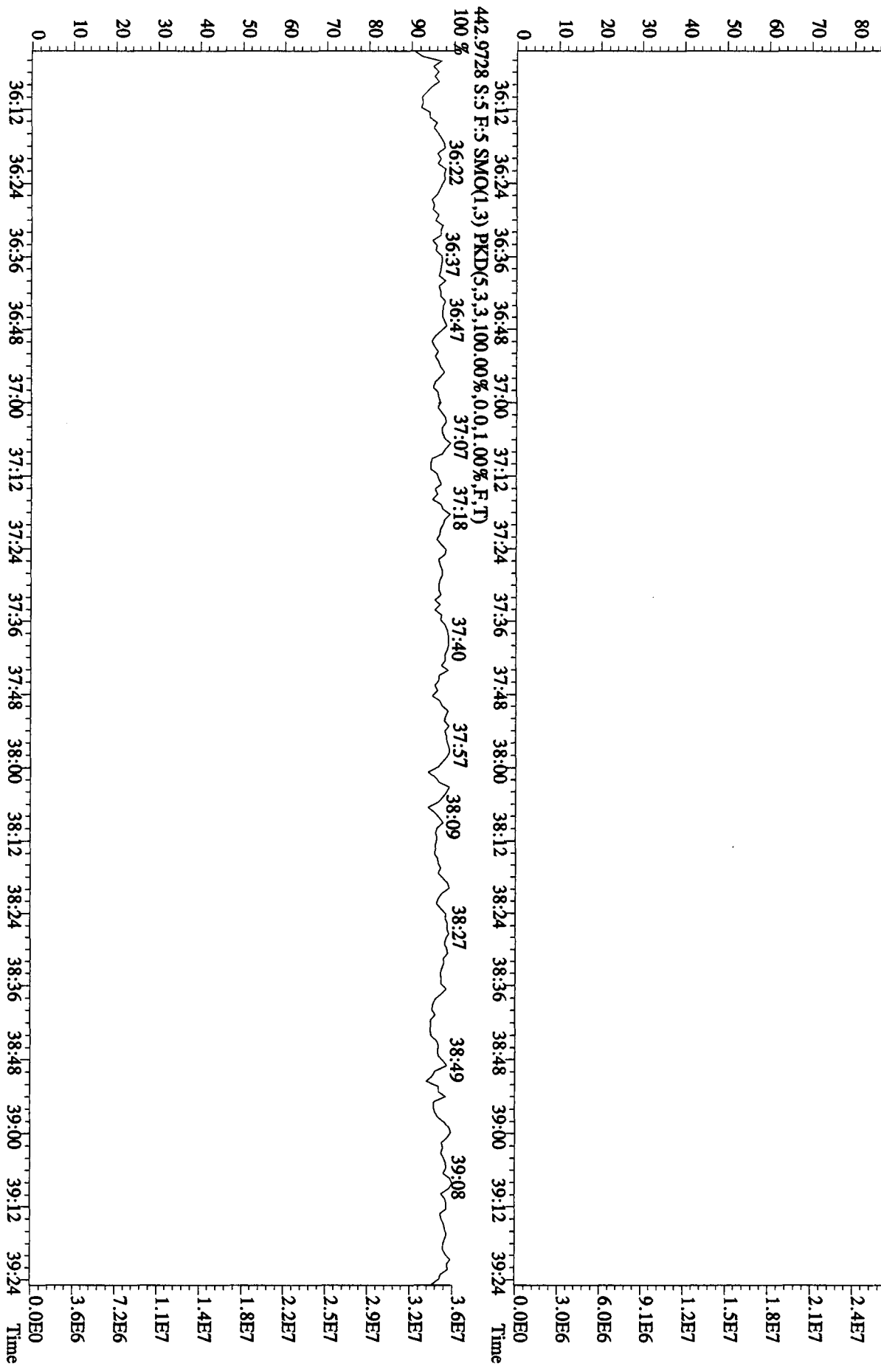


File:26AP10A1D5 #1-244 Acq:26-APR-2010 21:50:31 GC EI + Voltage SIR 70SE

Sample#5 Text:LX85A-1-AA :GDD200000-455B Exp:DIOXIN

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

100% 36:27 36:41 37:05 37:17

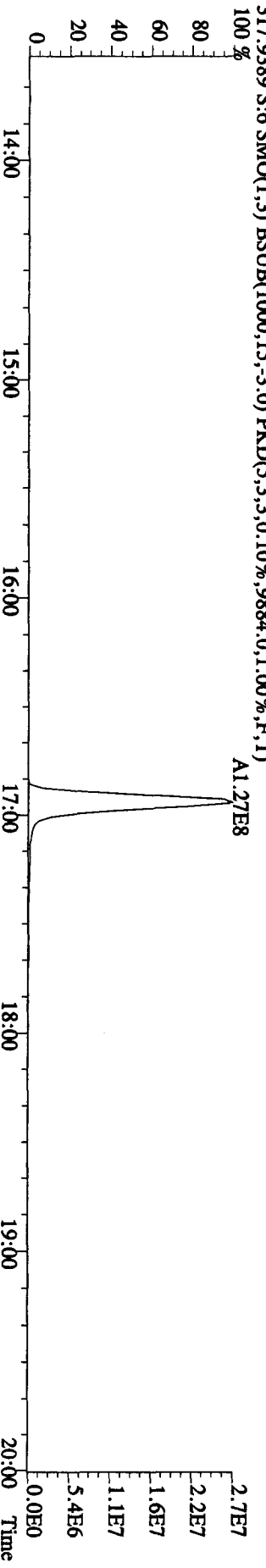
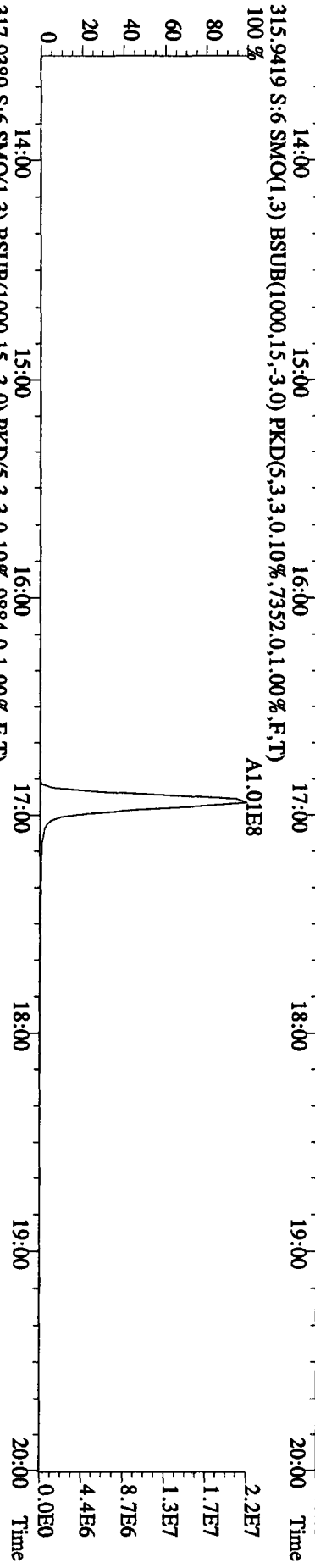
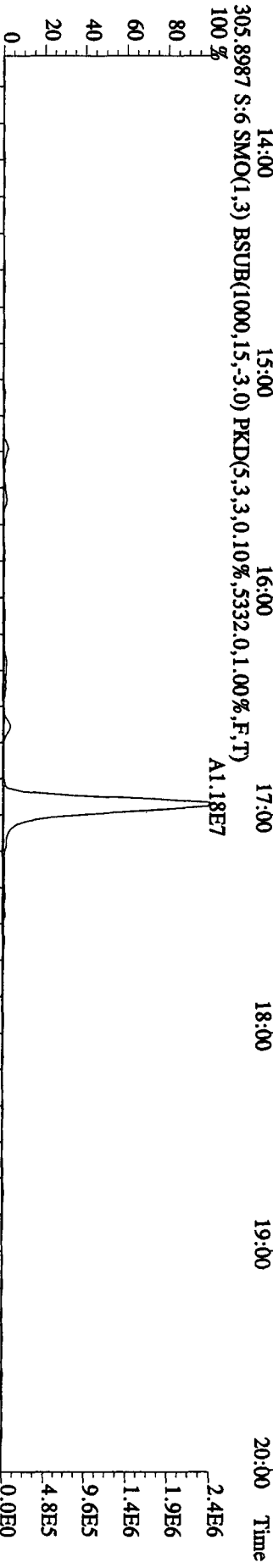
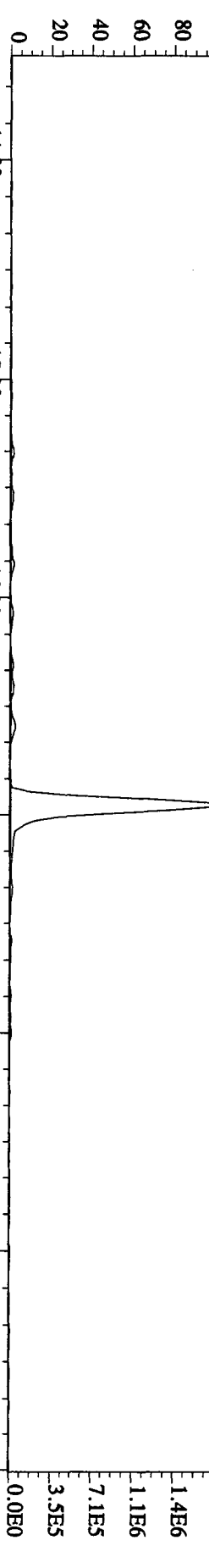


Run text: LX85A-1-AC Sample text: LX85A-1-AC :GOD200000-455C
Run #8 Filename: 26AP10A1D5 S: 6 I: 1 Results: 26AP10A4D58290
Acquired: 26-APR-10 22:32:23 Processed: 27-APR-10 10:17:34
Run: 26AP10A1D5 Analyte: 8290HRS Cal: 82901231091D5
Sample size: 10.00 g

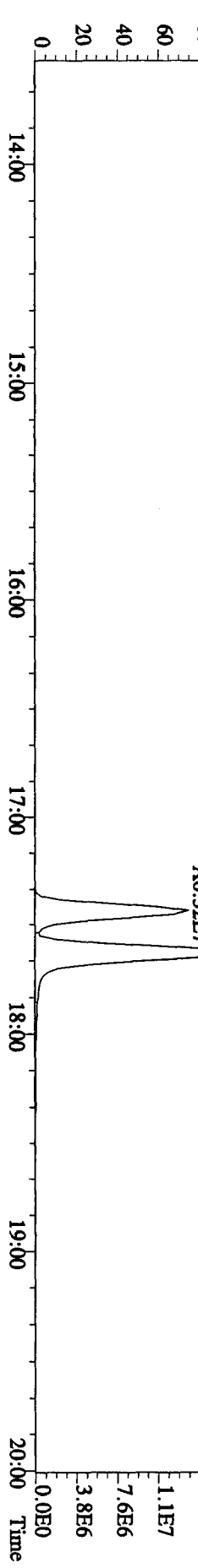
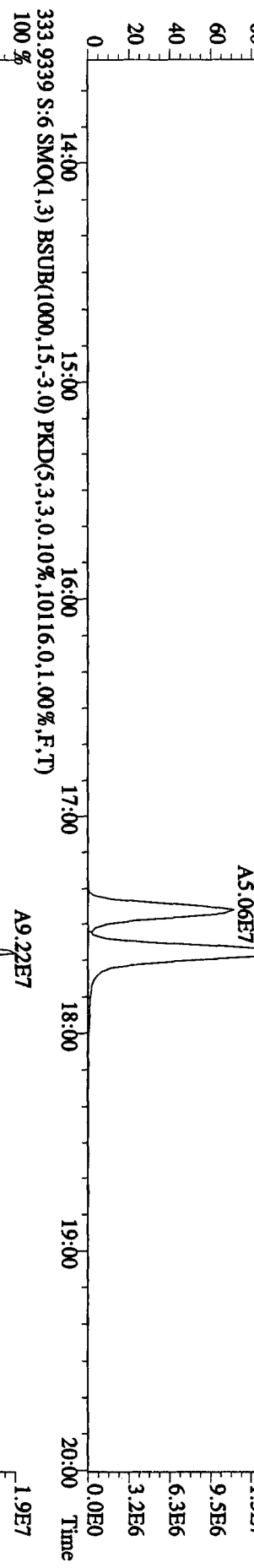
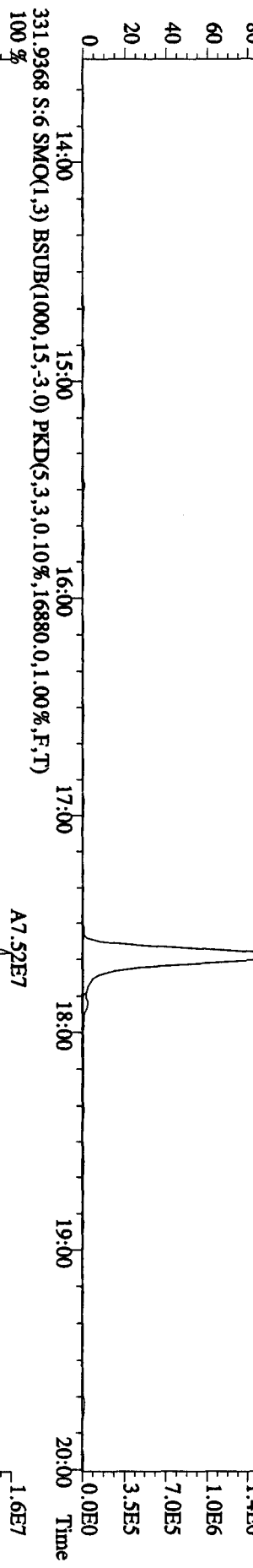
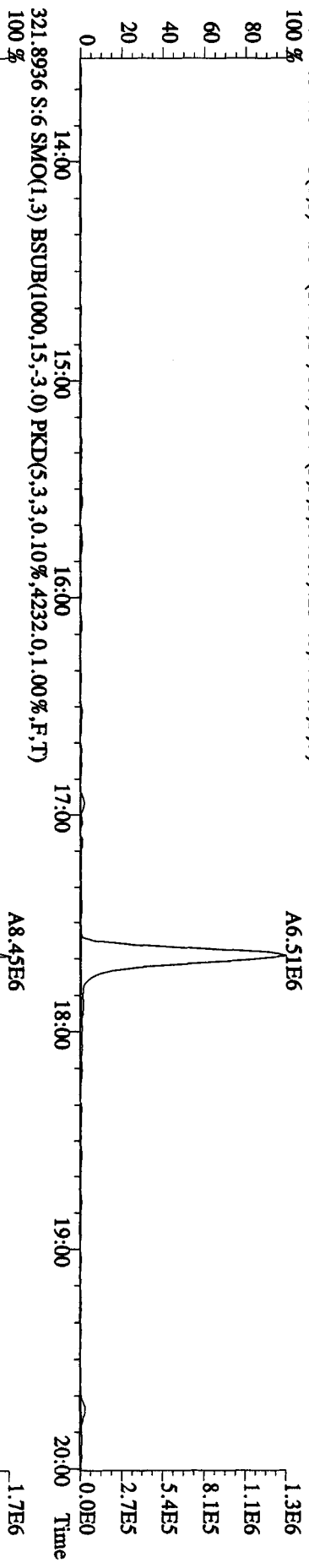
*4/26/10
4/27/10
mko*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	113727912	0.80 y	17:26	-	3.6510	-	-	n
13C-2,3,7,8-TCDF	228092240	0.79 y	16:57	1.57	128.0688	0.1297	64.0	n
2,3,7,8-TCDF	20403312	0.73 y	16:58	0.86	20.8059	0.1568	-	n
Total TCDF	22313952	0.47 n	15:20	0.86	22.7543	0.1568	-	n
13C-2,3,7,8-TCDD	167420968	0.82 y	17:38	0.99	148.2021	0.3203	74.1	n
2,3,7,8-TCDD	14961603	0.77 y	17:39	0.93	19.1404	0.1564	-	n
Total TCDD	15532736	0.72 y	15:27	0.93	19.8711	0.1564	-	n
37Cl-2,3,7,8-TCDD	185073520	1.00 y	17:39	2.22	73.3668	0.0247	91.7	n
13C-1,2,3,7,8-PeCDF	169117460	1.62 y	21:51	1.07	138.6057	0.2771	69.3	n
1,2,3,7,8-PeCDF	82211880	1.57 y	21:53	1.00	97.2168	0.5227	-	n
2,3,4,7,8-PeCDF	83692912	1.60 y	23:11	0.94	105.4517	0.5570	-	n
Total F2 PeCDF	167662143	2.60 n	20:34	0.97	204.8125	0.5393	-	n
Total F1 PeCDF	472788	0.56 n	14:03	0.97	0.5768	0.1364	-	n
13C-1,2,3,7,8-PeCDD	118440852	1.66 y	23:53	0.67	156.2891	0.1883	78.1	n
1,2,3,7,8-PeCDD	56487740	1.61 y	23:55	0.93	102.6577	0.4505	-	n
Total PeCDD	56487740	1.61 y	23:55	0.93	102.6577	0.4505	-	n
13C-1,2,3,7,8,9-HxCDD	87871240	1.31 y	32:00	-	3.2036	-	-	n
13C-1,2,3,4,7,8-HxCDF	114280440	0.52 y	30:05	0.89	145.6674	0.0694	72.8	n
1,2,3,4,7,8-HxCDF	73975508	1.23 y	30:07	1.20	107.9698	0.1870	-	n
1,2,3,6,7,8-HxCDF	83682160	1.25 y	30:20	1.37	106.8034	0.1635	-	n
2,3,4,6,7,8-HxCDF	87898036	1.25 y	31:18	1.24	123.8508	0.1805	-	n
1,2,3,7,8,9-HxCDF	84213028	1.28 y	32:14	1.33	111.1370	0.1691	-	n
Total HxCDF	330523567	1.15 y	27:45	1.28	450.7894	0.1746	-	n
13C-1,2,3,6,7,8-HxCDD	117017432	1.23 y	31:38	0.73	181.9037	0.0975	91.0	n
1,2,3,4,7,8-HxCDD	54177792	1.28 y	31:31	0.97	95.4647	0.2296	-	n
1,2,3,6,7,8-HxCDD	64931552	1.27 y	31:39	1.06	104.8585	0.2104	-	n
1,2,3,7,8,9-HxCDD	71399132	1.30 y	32:02	1.28	95.6915	0.1746	-	n
Total HxCDD	190508476	1.28 y	31:31	1.10	296.0147	0.2022	-	n
13C-1,2,3,4,6,7,8-HpCDF	168631432	0.45 y	33:51	0.86	223.1145	1.5214	111.6	n
1,2,3,4,6,7,8-HpCDF	110785476	1.04 y	33:52	1.29	102.1241	0.5473	-	n
1,2,3,4,7,8,9-HpCDF	77962128	1.04 y	35:04	1.14	81.4399	0.6202	-	n
Total HpCDF	188747604	1.04 y	33:52	1.21	183.5641	0.5815	-	n
13C-1,2,3,4,6,7,8-HpCDD	138417720	1.06 y	34:44	0.75	209.4248	0.4720	104.7	n
1,2,3,4,6,7,8-HpCDD	70734516	1.04 y	34:45	1.00	102.4273	0.2735	-	n
Total HpCDD	71156135	2.09 n	33:51	1.00	103.0378	0.2735	-	n
13C-OCDD	179208664	0.89 y	37:21	0.56	361.3314	0.6833	90.3	n
OCDF	127549868	0.90 y	37:27	1.44	198.0724	0.3127	-	n
OCDD	107094896	0.89 y	37:22	1.11	215.4409	0.6422	-	n

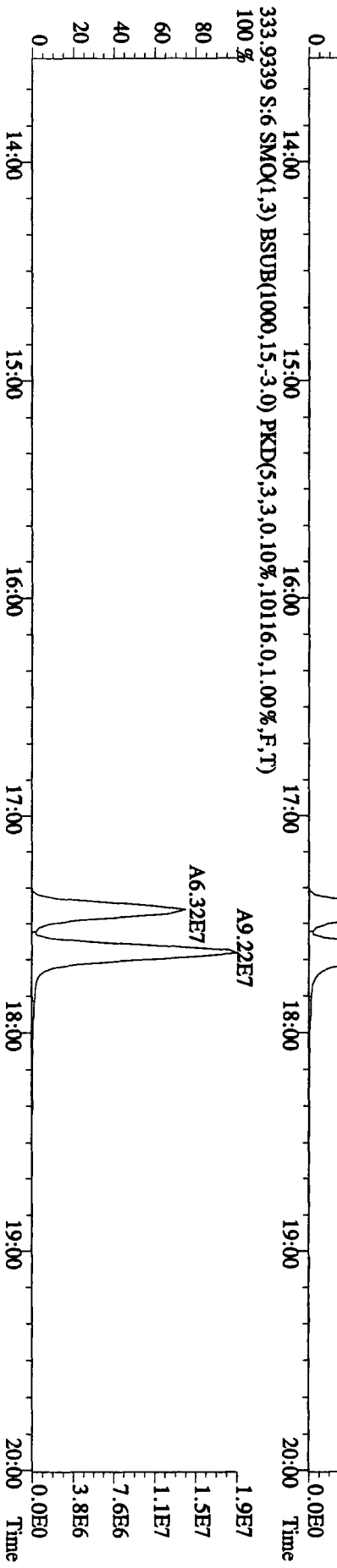
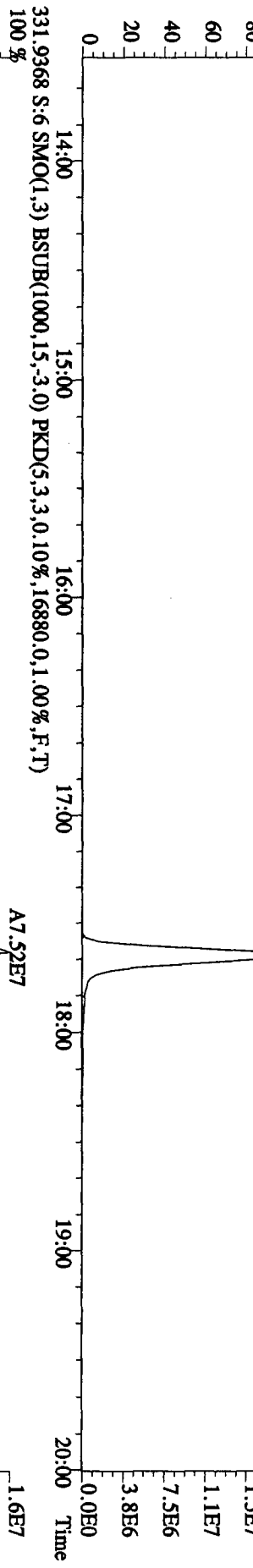
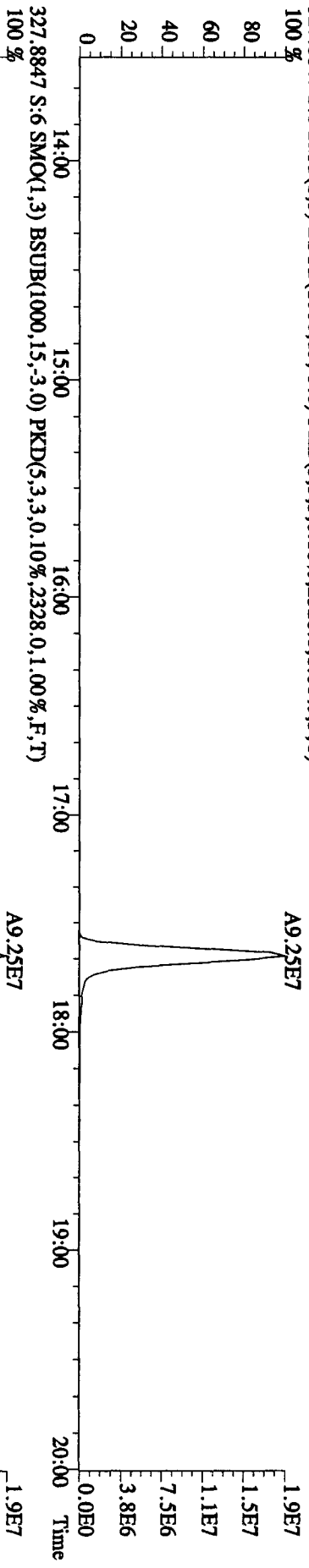
File:26AP10A1D5 #1-384 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
 Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5668,0,1,00%,F,T)
 100%



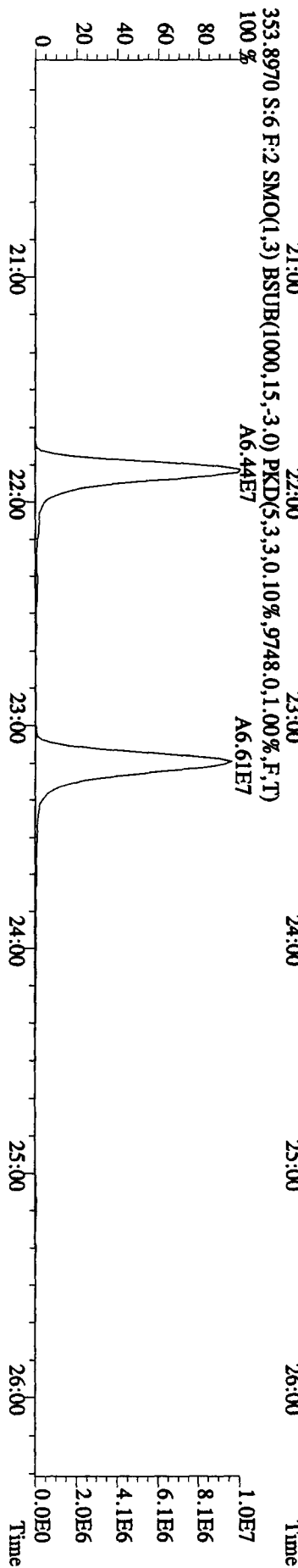
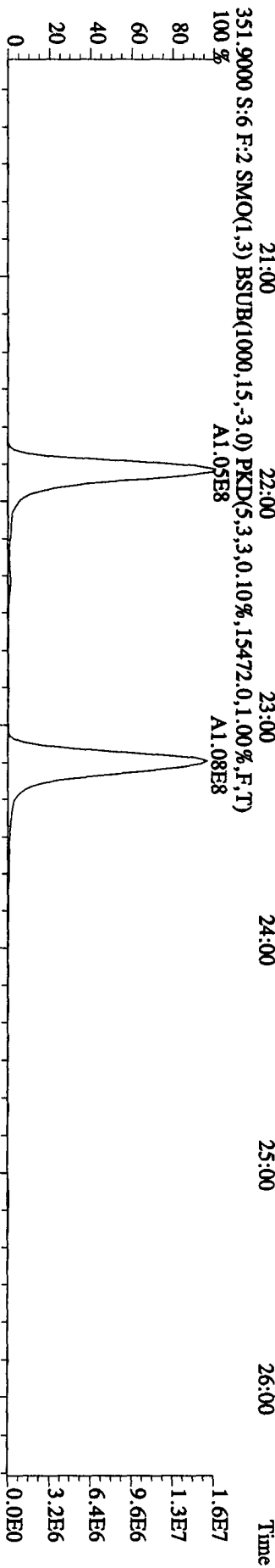
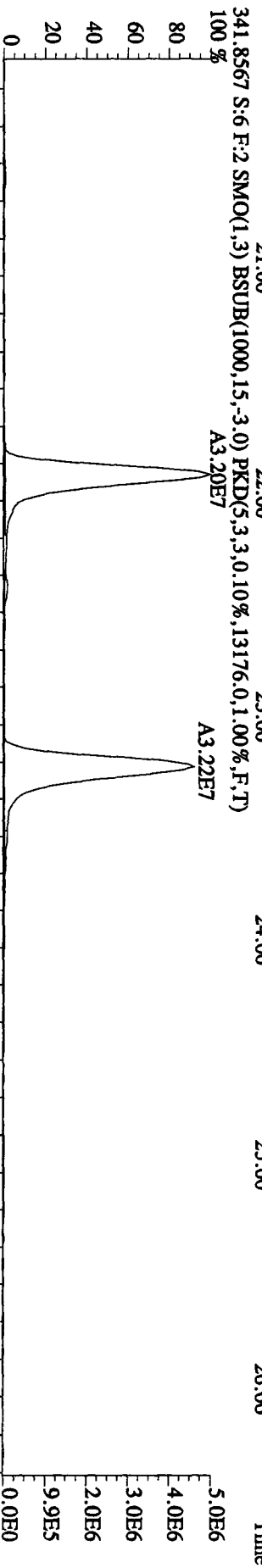
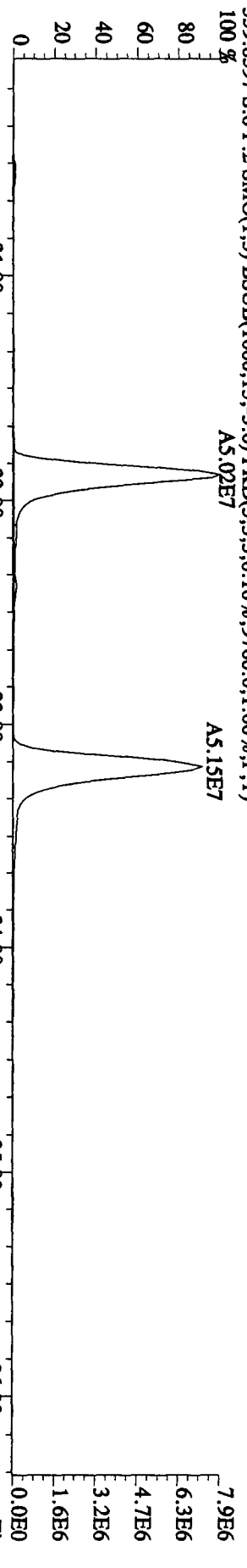
File:26API0AID5 #1-384 Acq:26-APR-2010 22:32:23 GC EI + Voltage SIR 70SE
 Sample#6 Text:LX85A-1-AC :GDD200000-455C Exp:DIOXIN
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4232,0,1,00%,F,T)



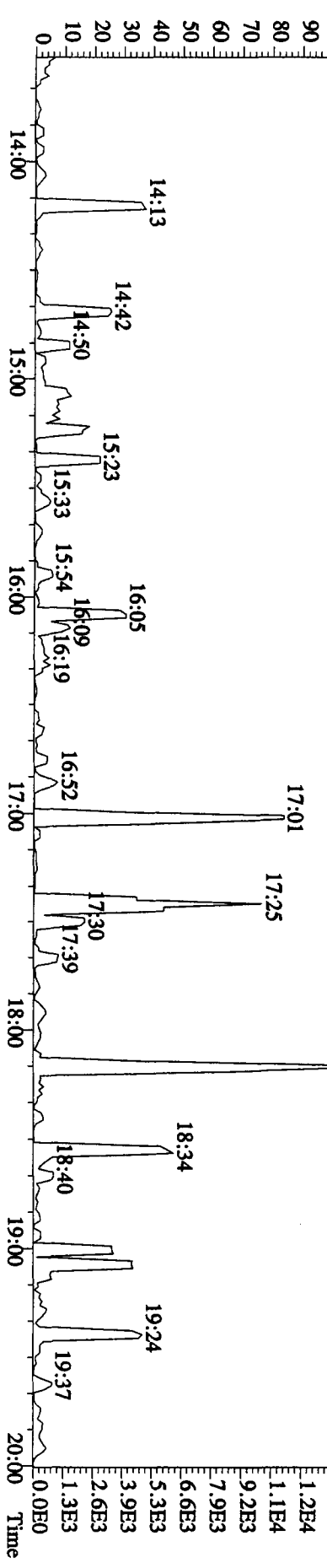
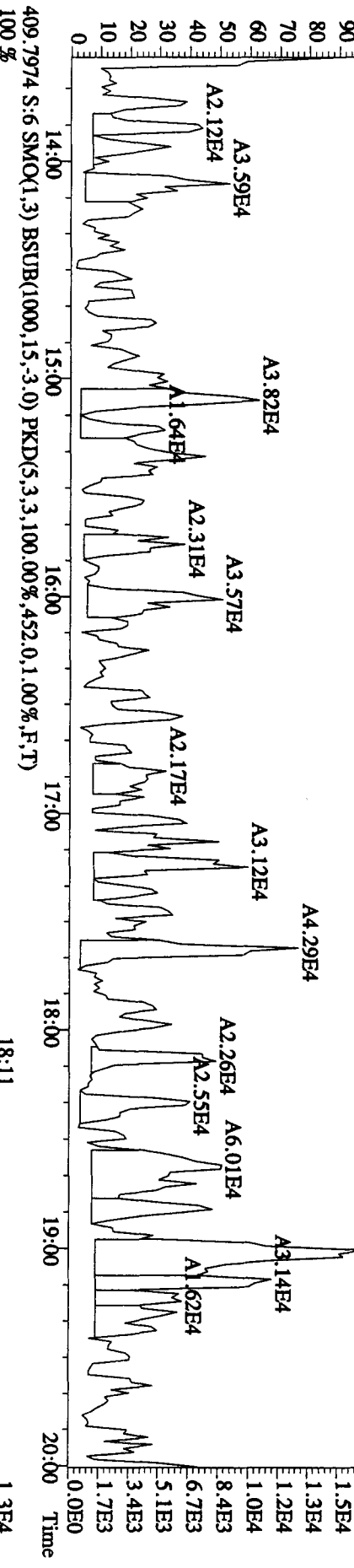
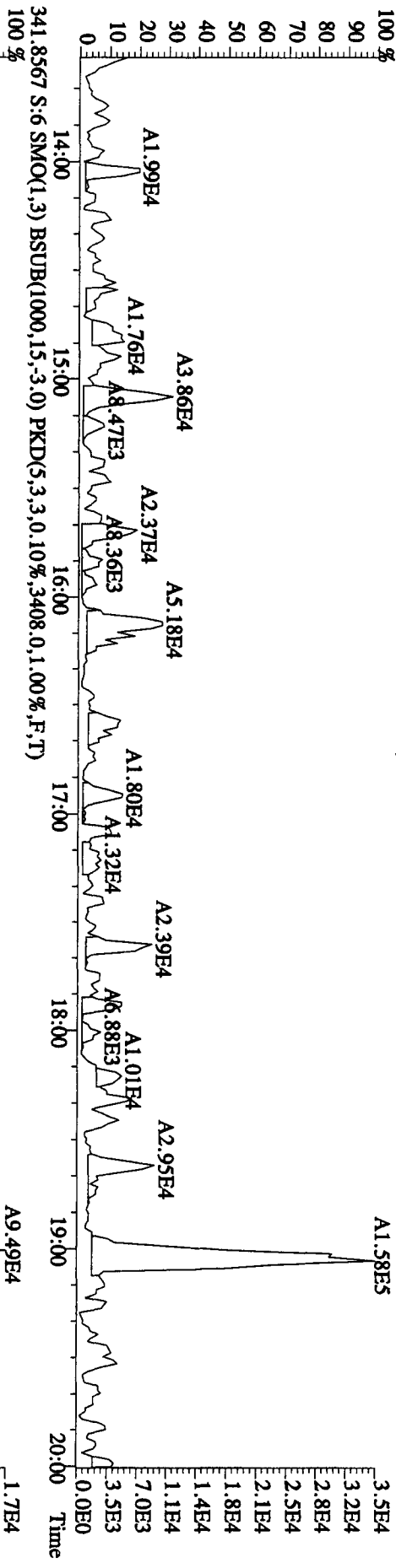
File:26API0AID5 #1-384 Acq:26-APR-2010 22:32:23 GC EI + Voltage SIR 70SE
 Sample#6 Text:LX85A-1-AC :GDD200000-455C Exp:DIOXIN
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2328,0,1,00%,F,T)
 100%



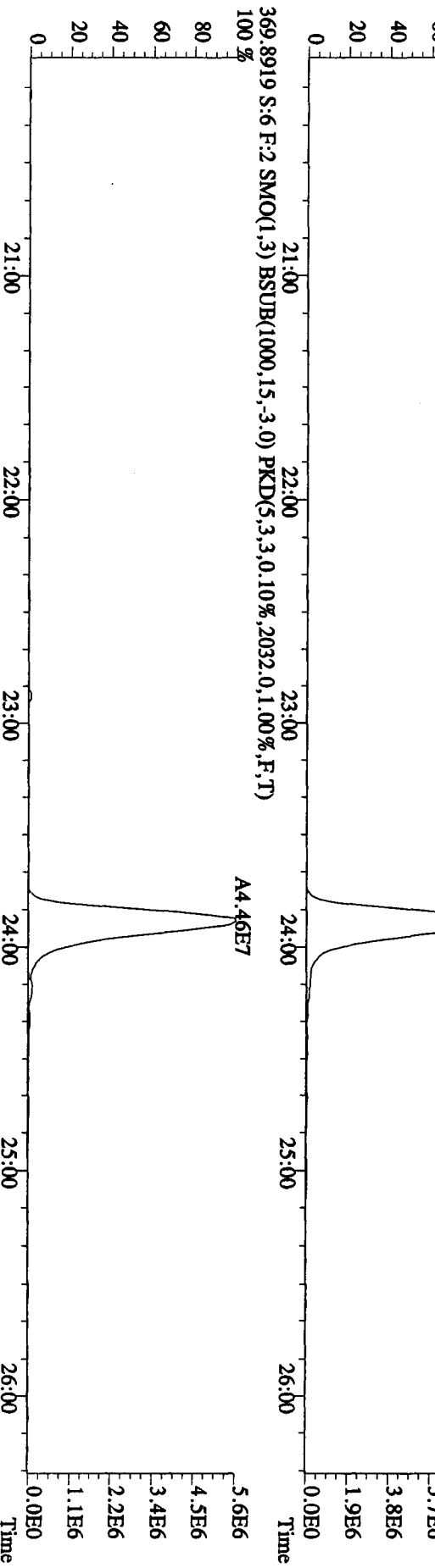
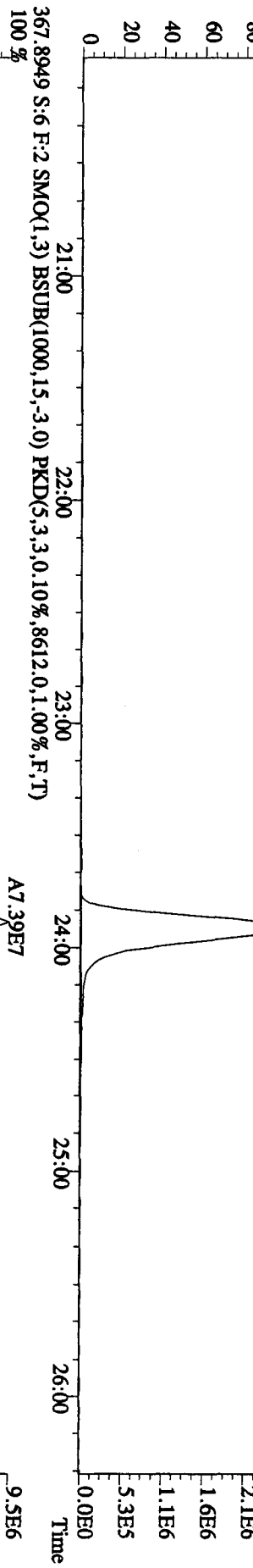
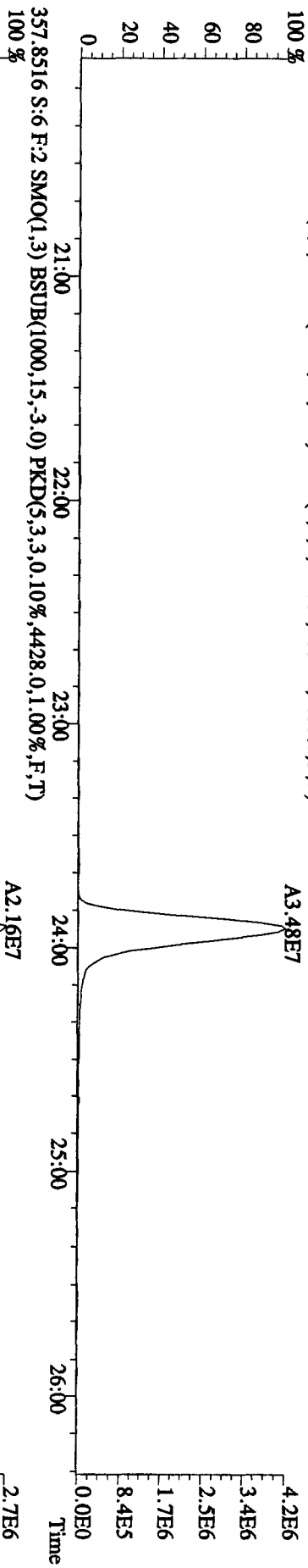
File: 26AP10A1D5 #1-445 Acq: 26-APR-2010 22:32:23 GC EI + Voltage SIR 70SE
 Sample# 6 Text: LX85A-1-AC :G0D200000-455C Exp: DIOXIN
 339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9760.0,1.00%,F,T)
 100%



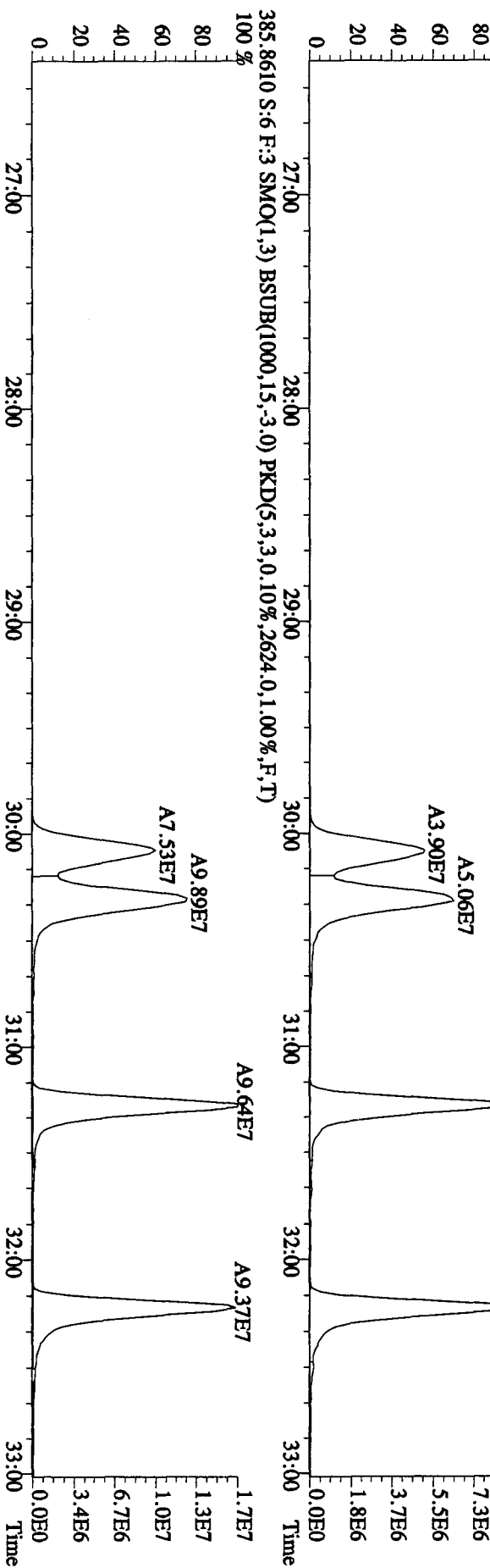
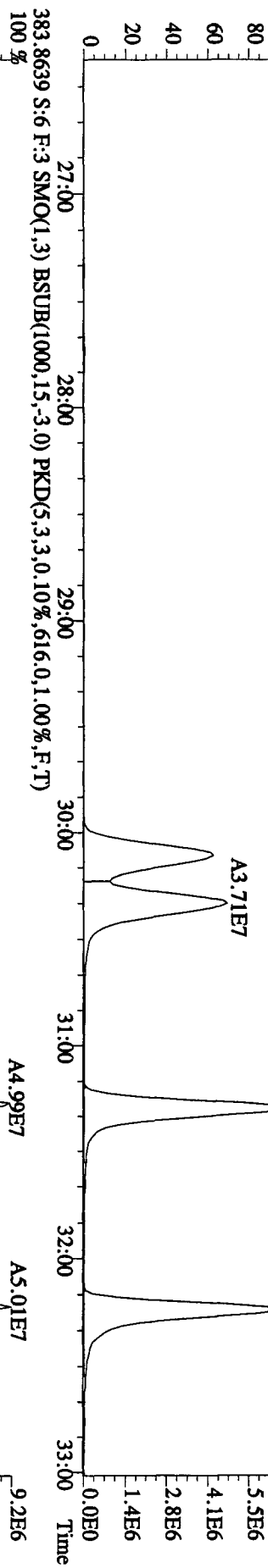
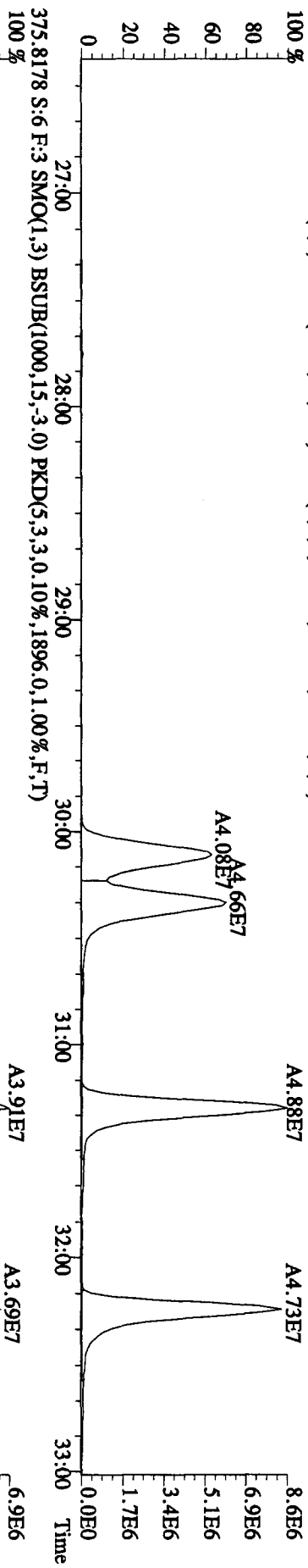
File:26AP10A1D5 #1-384 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
 Sample#6 Text:1X85A-1-AC :GDD200000-455C Exp:DIOXIN
 339.8597 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,2392.0,1.00%,F,T)



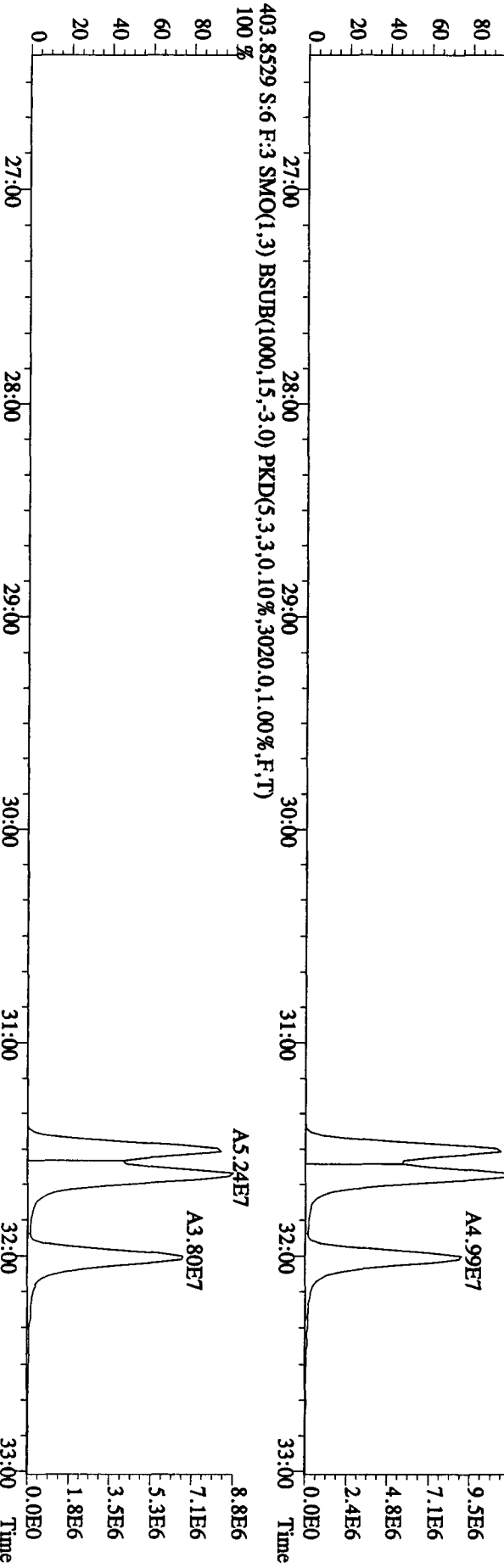
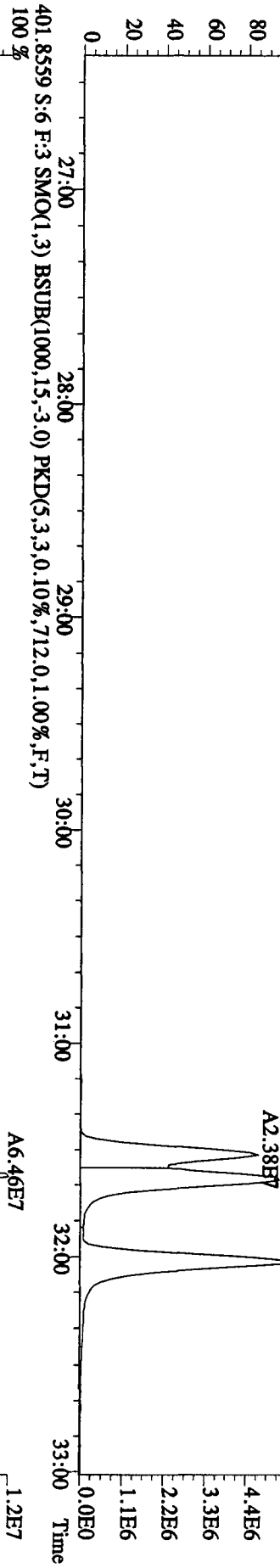
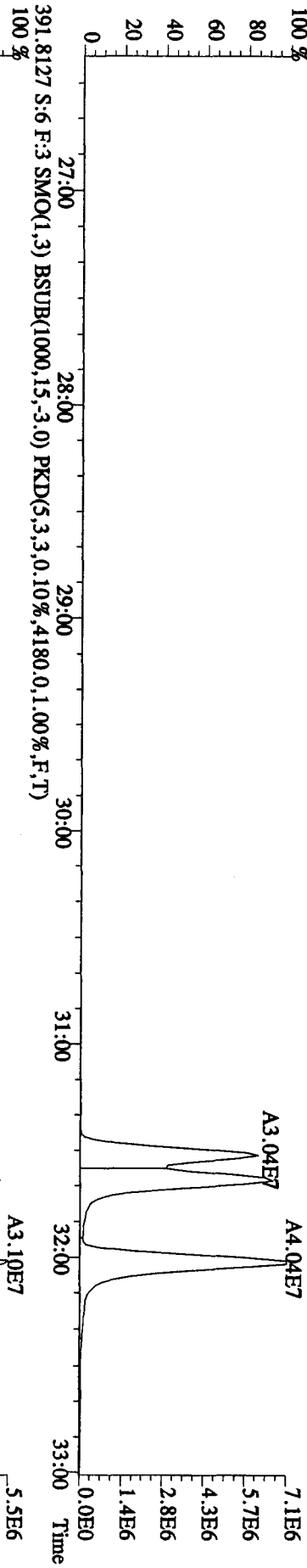
File: 26AP10A1D5 #1-445 Acq: 26-APR-2010 22:32:23 GC EI + Voltage SIR 70SE
 Sample#6 Text: LX85A-1-AC :G0D200000-455C Exp: DIOXIN
 355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6080,0,1,00%,F,T)
 100%



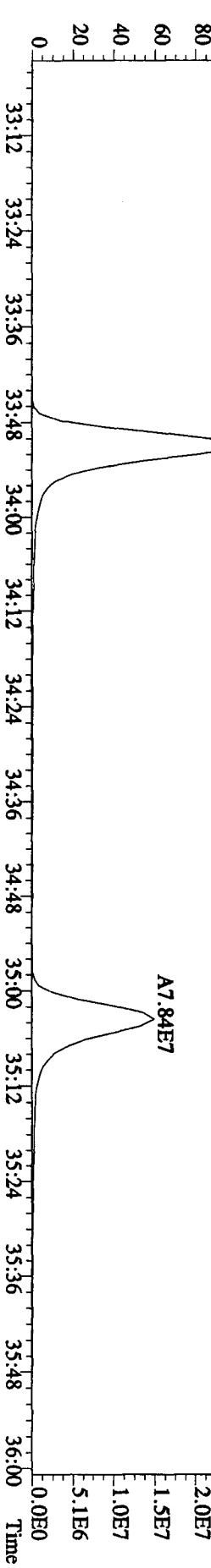
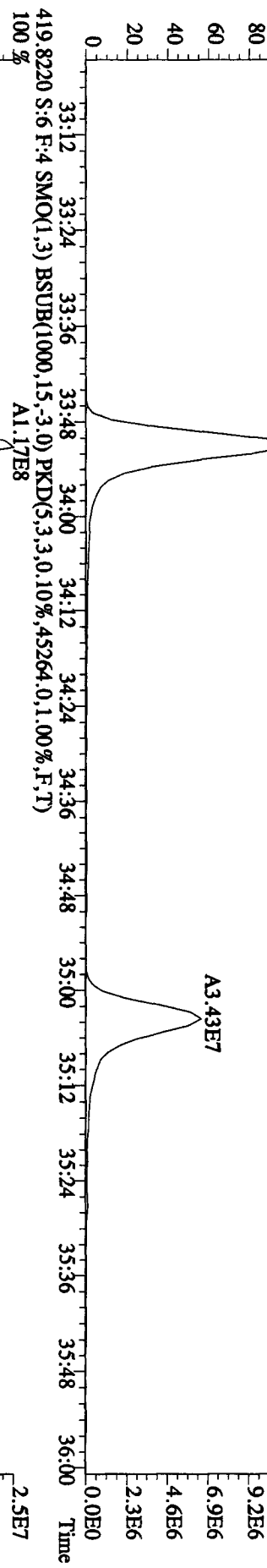
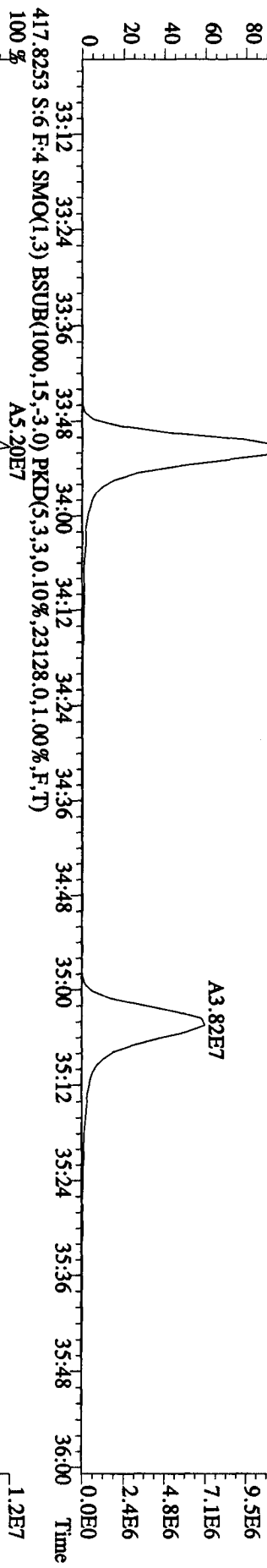
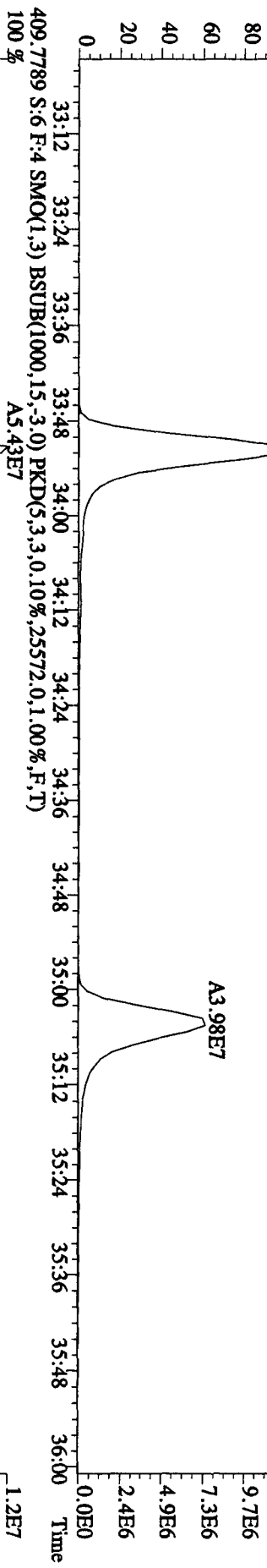
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 Sample#6 Text: LX85A-1-AC :G0D200000-455C Exp: DIOXIN
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1896,0,1,00%,F,T)
 100%



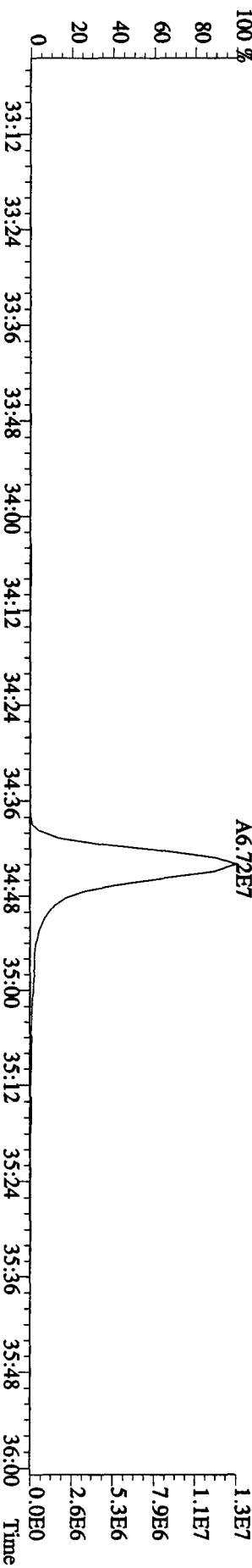
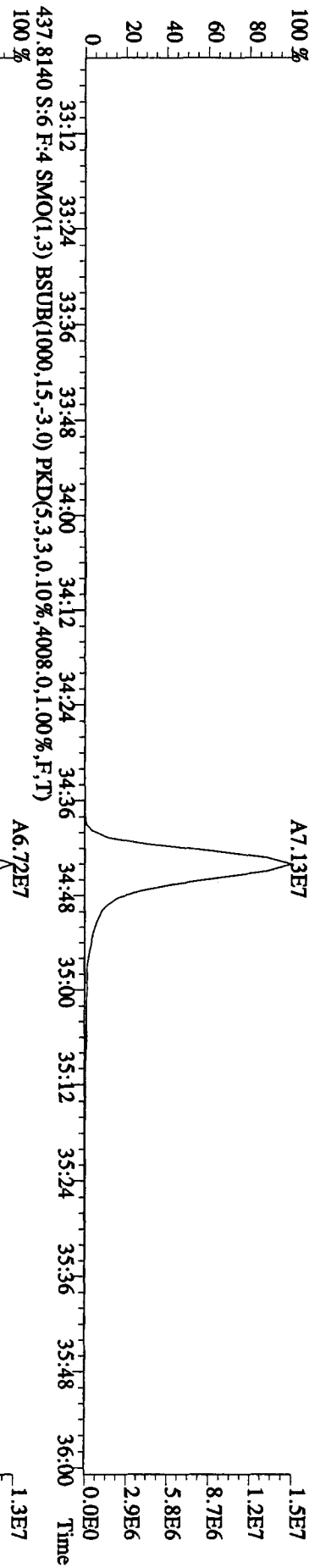
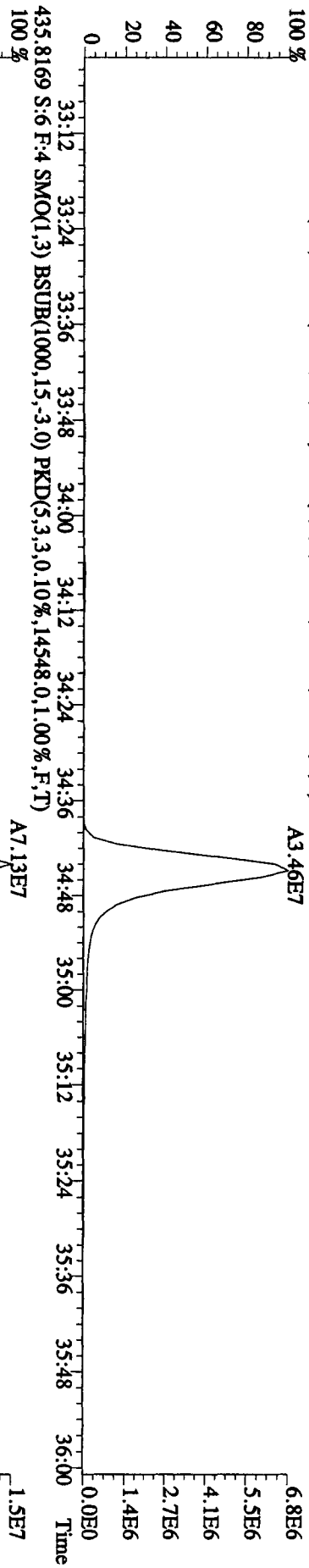
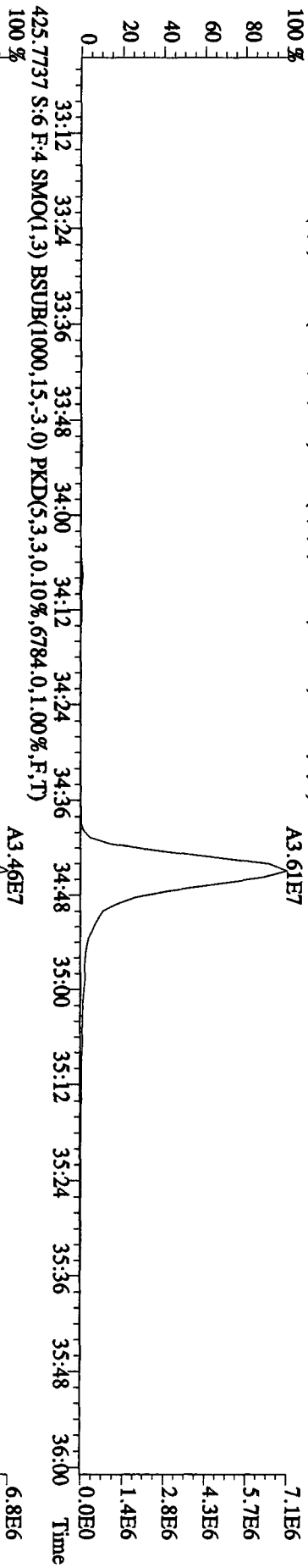
File:26AP10A1D5 #1-447 Acq:26-APR-2010 22:32.23 GC EI+ Voltage SIR 70SE
 Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3456,0.1,0.00%,F,T)
 100 %



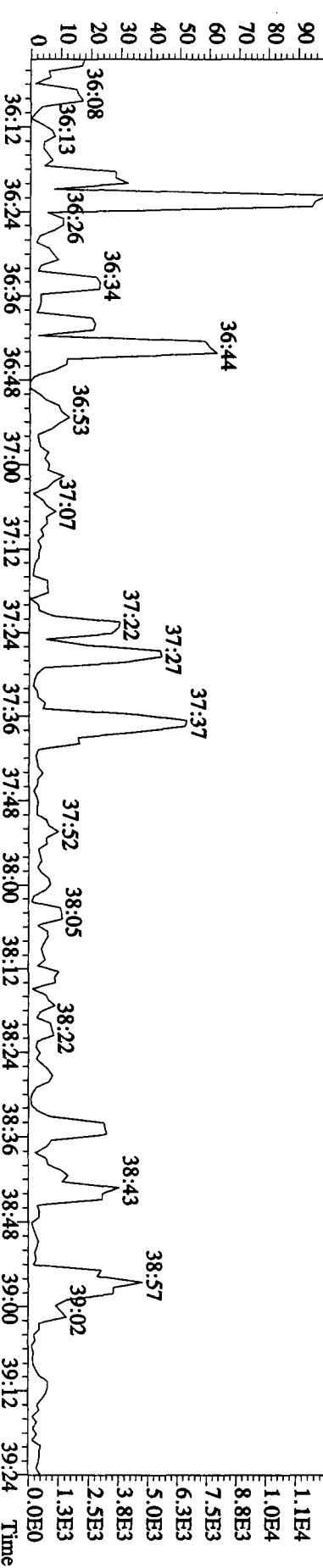
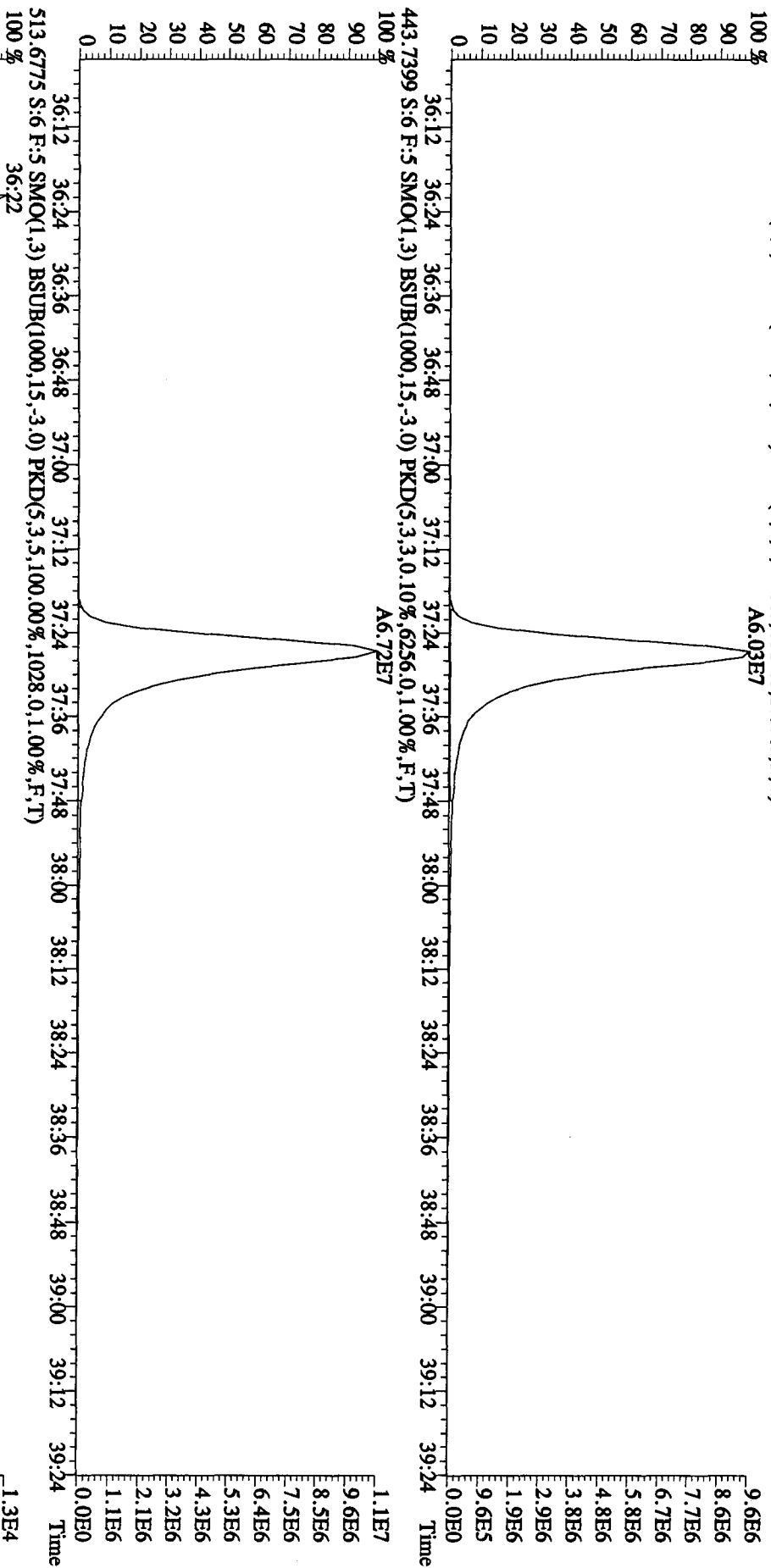
File:26AP10A1D5 #1-210 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
 Sample#6 Text:LX85A-1-AC :G0D200000-455C Exp:DIOXIN
 407.7818 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17820,0.1,00%,F,T)
 100% A5.65E7



File: 26AP10A1D5 #1-210 Acq: 26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
 Sample#6 Text: LX85A-1-AC :G0D200000-455C Exp: DIOXIN
 423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5792.0,1.00%,F,T) 100%

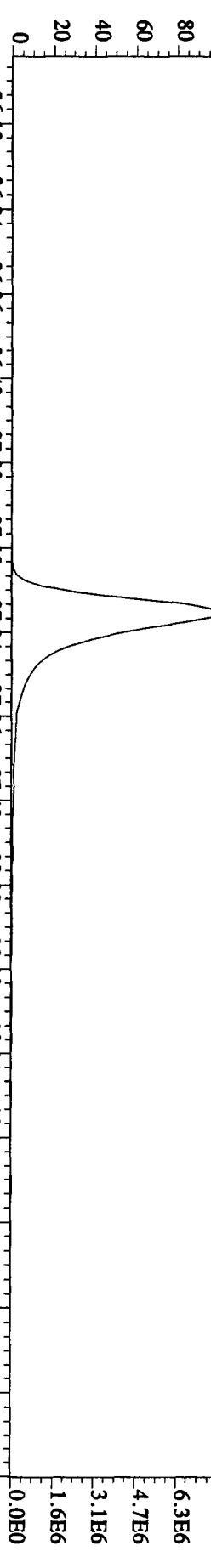


File: 26AP10A1D5 #1-243 Acq: 26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
 Sample#6 Text: LX85A-1-AC :GOD200000-455C Exp:DIOXIN
 441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4112.0,1.00%,F,T)
 100% A6.03E7

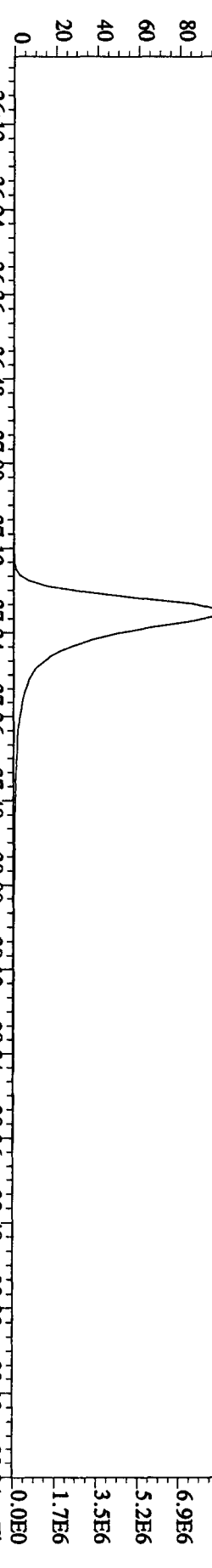


File:26AP10A1IDS #1-243 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE

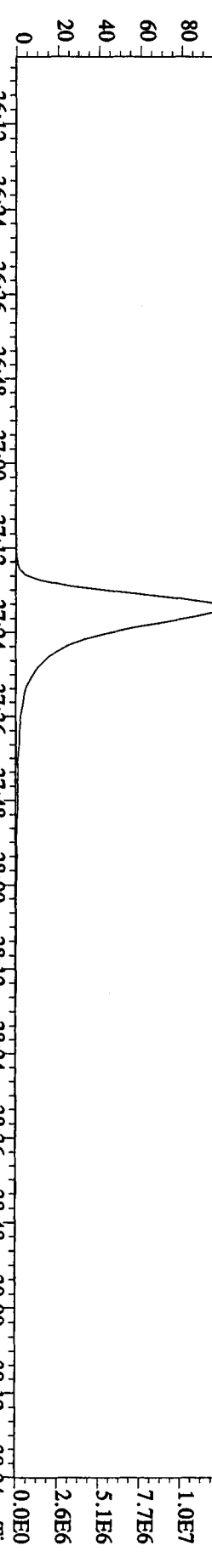
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457.7377 S:6 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.8320,0,1,00%,F,T)



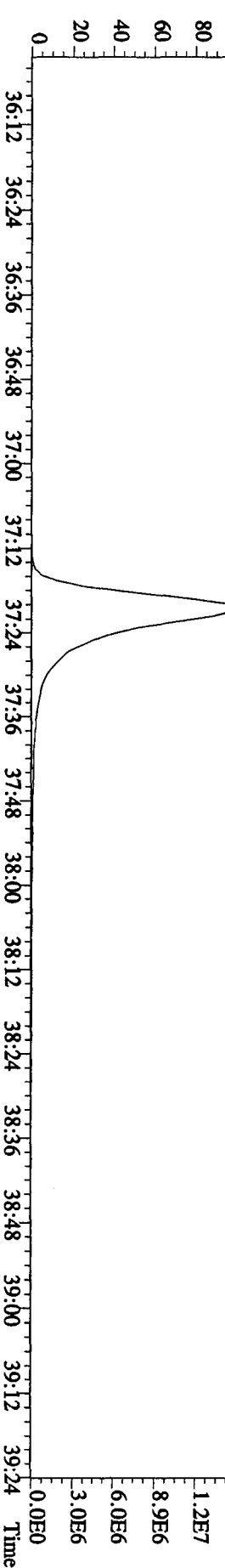
459.7348 S:6 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.8116,0,1,00%,F,T)

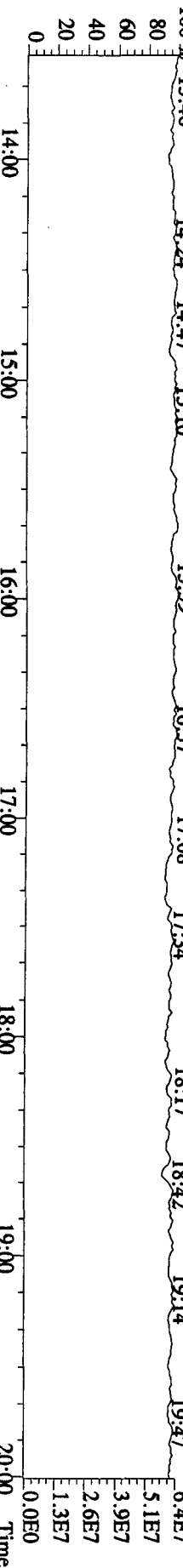
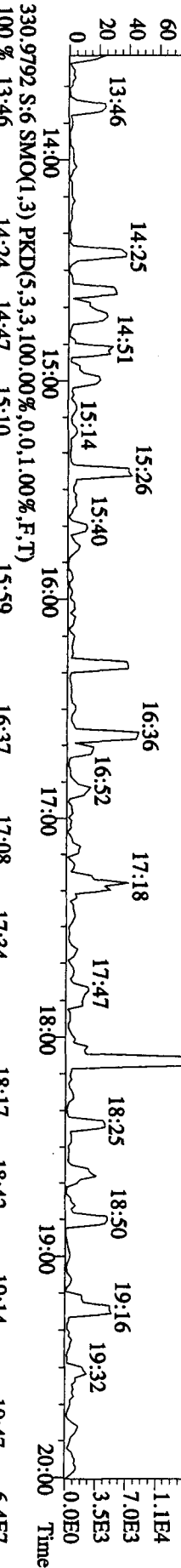
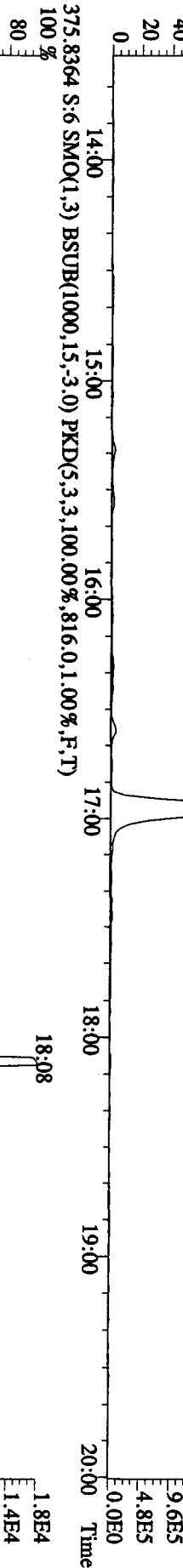
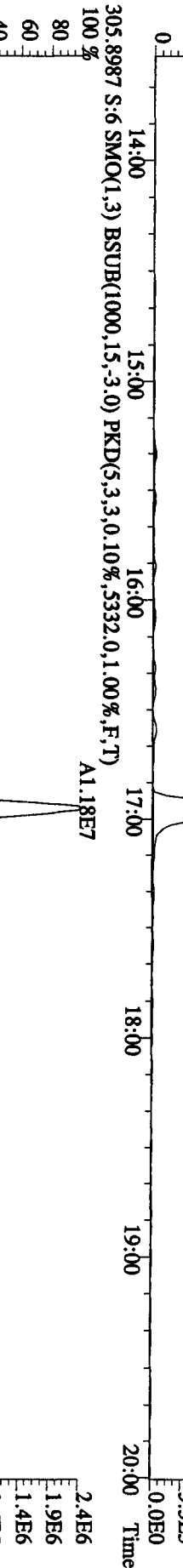
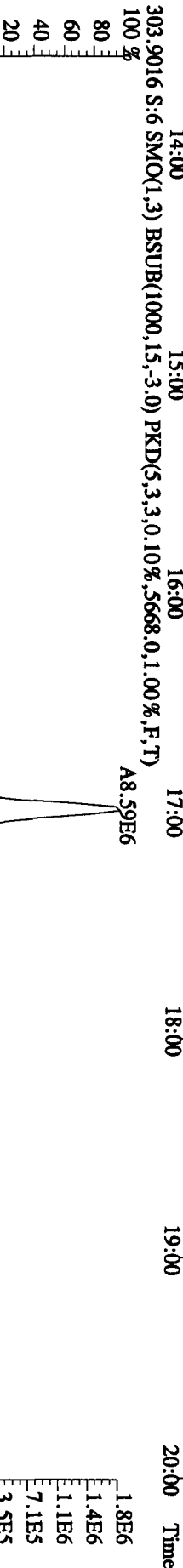
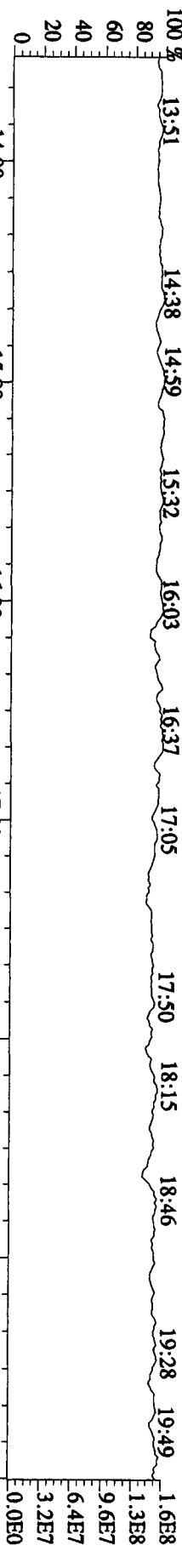


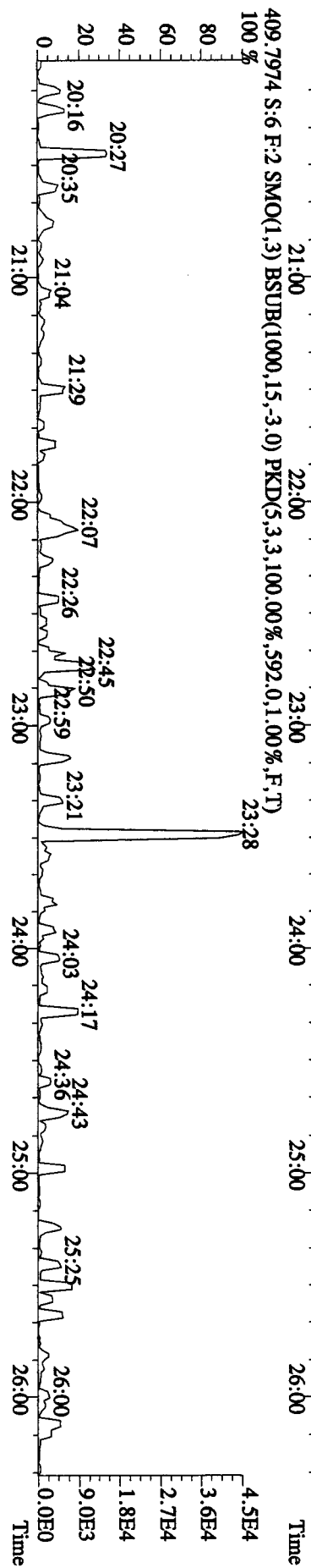
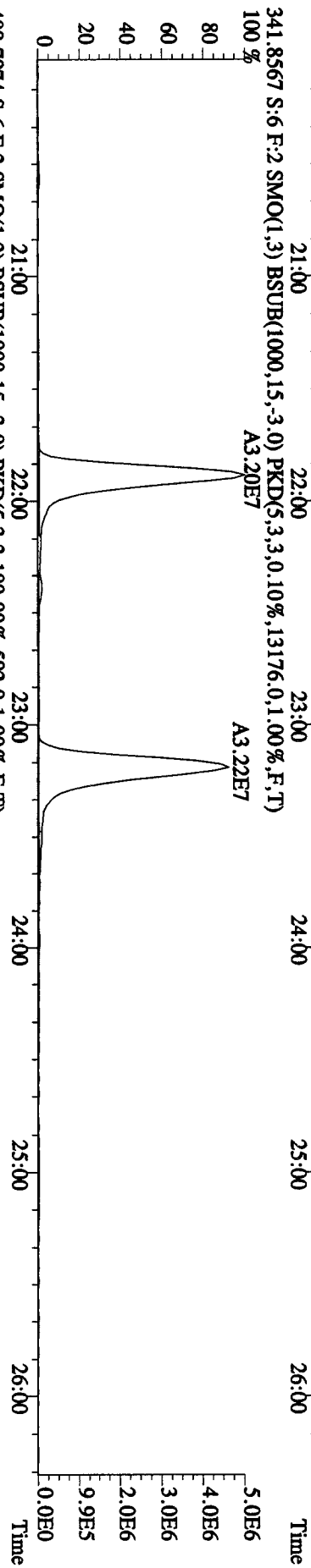
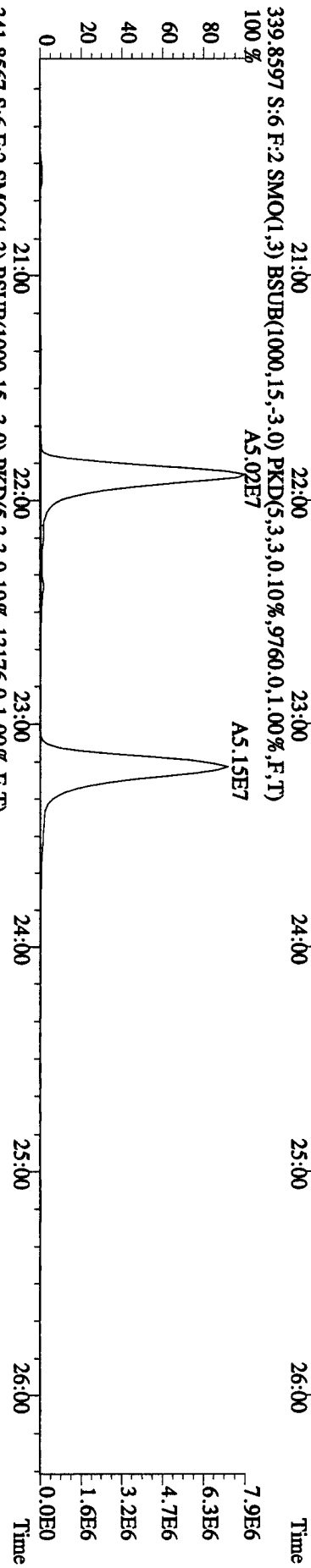
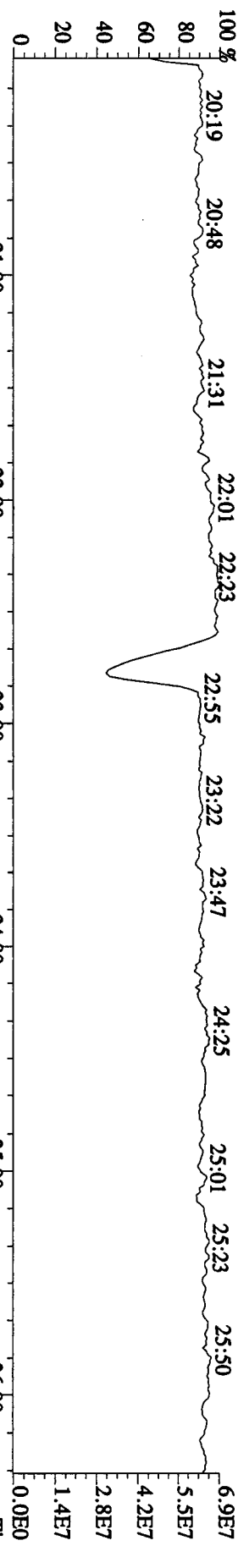
469.7779 S:6 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.9320,0,1,00%,F,T)

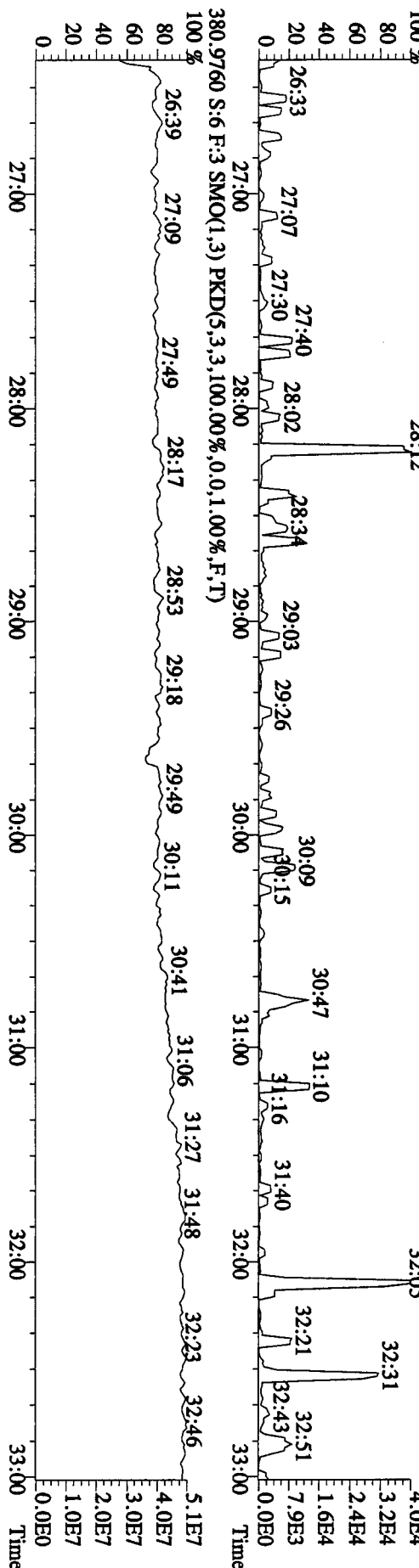
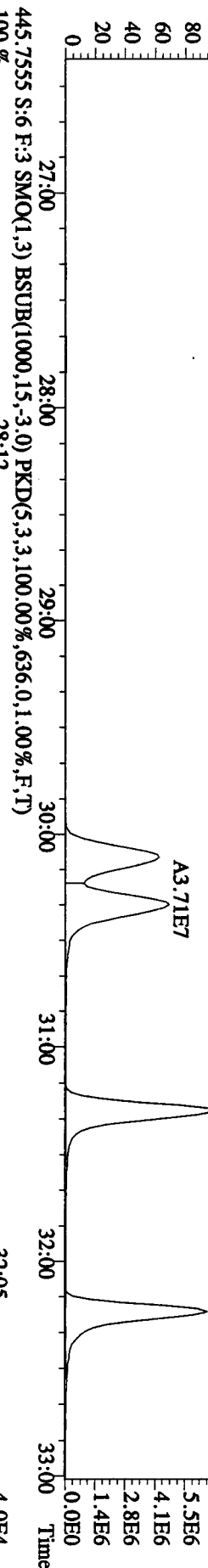
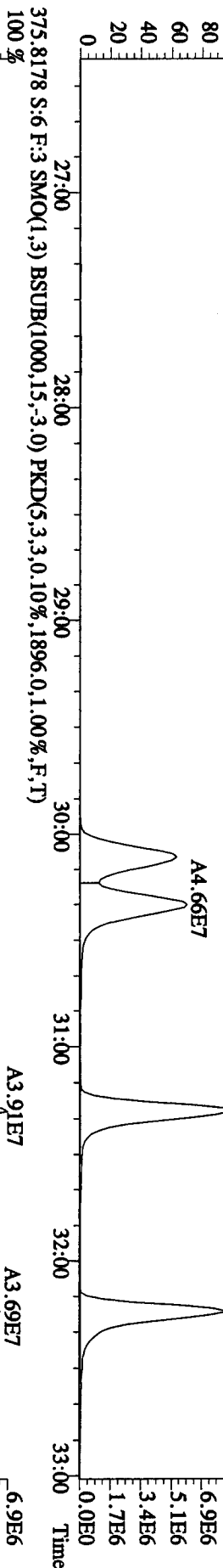
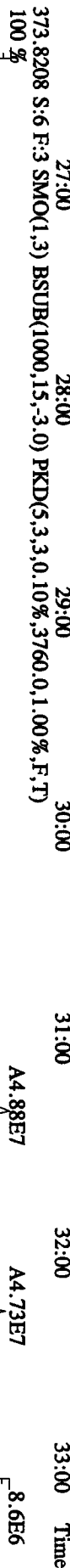
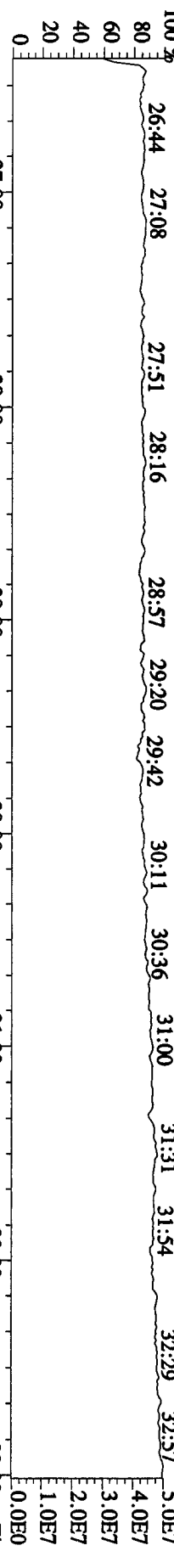


471.7750 S:6 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.10836,0,1,00%,F,T)









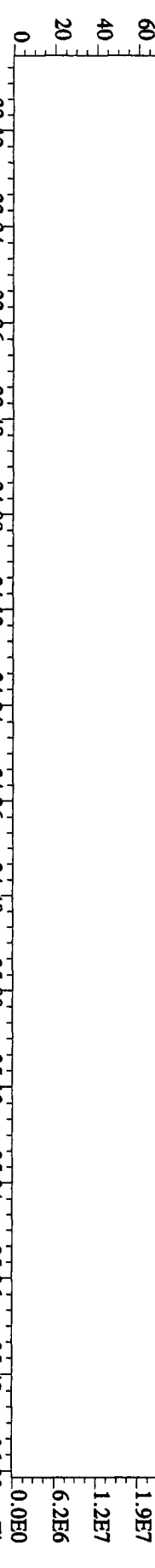
File:26AP10A1D5 #1-210 Acq:26-APR-2010 22:32:23 GC EI + Voltage SIR 70SE

Sample#6 Text:LX85A-1-AC :GOD200000-455C Exp:DIOXIN

430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 33:15 33:24 33:39 33:49 33:58 34:14 34:26 34:41

35:13 35:29 35:39 35:53



407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1.7820,0.1,0.00%,F,T)

100% 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00



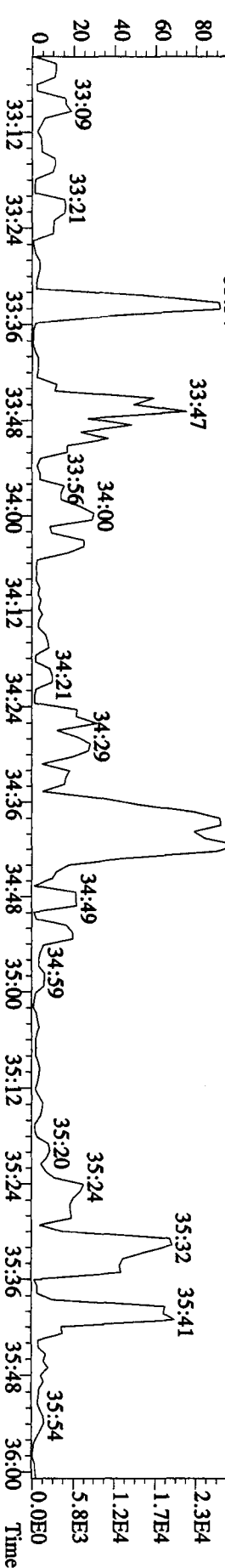
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2.5572,0.1,0.00%,F,T)

100% 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00

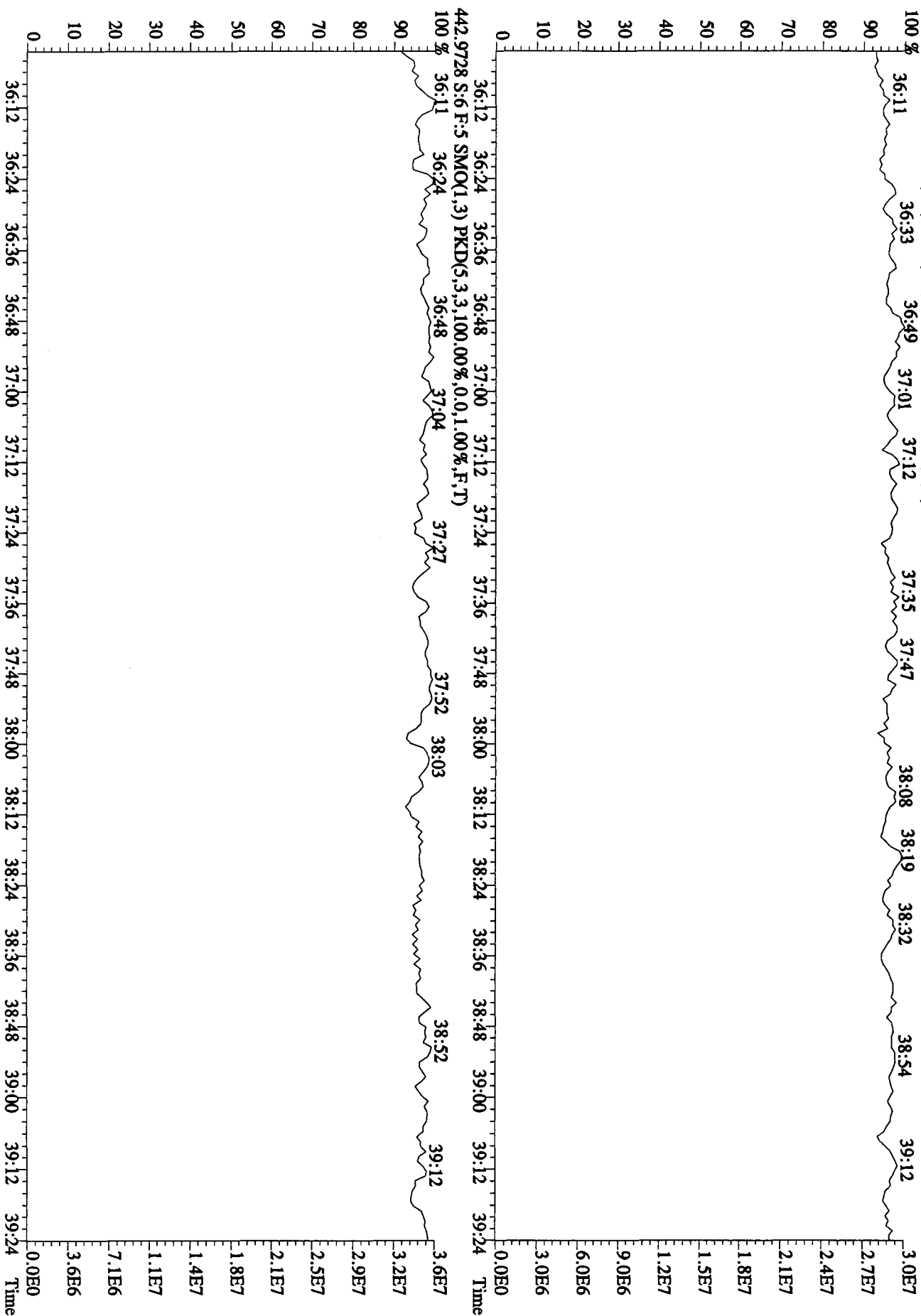


479.7165 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1.216,0.1,0.00%,F,T)

100% 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00



File:26AP10AID5 #1-243 Acq:26-APR-2010 22:32:23 GC EI+ Voltage SIR 70SE
 Sample#6 Text:LX85A-1-AC :GDD200000-455C Exp:DIOXIN
 454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LX3A0-1-AC Sample text: LX3A0-1-AC :G0D160437-1
 Run #10 Filename: 03MY10A4D5 S: 6 I: 1 Results: 03MY10A4D58290ASY
 Acquired: 3-MAY-10 14:55:09 Processed: 4-MAY-10 09:51:49
 Run: 03MY10A4D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.08 g

726 05/05/10

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	138248600	0.80 y	19:28	-	10.309	-	-	n
13C-2,3,7,8-TCDF	209543300	0.78 y	18:54	1.52	98.878	0.092	49.8	n
2,3,7,8-TCDF	204050600	0.77 y	18:56	0.95	204.388	0.372	-	n
Total TCDF	1074568016	0.76 y	16:14	0.95	1076.347	0.372	-	n
13C-2,3,7,8-TCDD	158018900	0.79 y	19:41	0.95	119.401	0.098	60.2	n
2,3,7,8-TCDD	3909750	0.78 y	19:42	1.02	4.808	0.112	-	n
Total TCDD	61730166	3.26 n	15:16	1.02	75.914	0.112	-	n
37Cl-2,3,7,8-TCDD	173136200	1.00 y	19:42	2.26	54.943	0.091	69.2	n
13C-1,2,3,7,8-PeCDF	168235300	1.58 y	24:33	1.05	114.940	0.119	57.9	n
1,2,3,7,8-PeCDF	112437300	1.64 y	24:34	1.04	126.925	2.186	-	n
2,3,4,7,8-PeCDF	55538200	1.61 y	26:03	0.98	66.691	2.325	-	n
Total F2 PeCDF	792775780	1.62 y	22:48	1.01	920.708	2.253	-	n
Total F1 PeCDF	107700253	1.57 y	20:21	1.01	125.333	0.060	-	n
13C-1,2,3,7,8-PeCDD	119719000	1.58 y	26:51	0.67	128.134	0.065	64.6	n
1,2,3,7,8-PeCDD	5562900	1.50 y	26:53	0.98	9.389	0.215	-	n
Total PeCDD	51921895	1.39 y	23:15	0.98	87.625	0.215	-	n
13C-1,2,3,7,8,9-HxCDD	122907500	1.25 y	33:04	-	11.866	-	-	n
13C-1,2,3,4,7,8-HxCDF	113632500	0.52 y	31:54	1.02	89.495	0.092	45.1	n
1,2,3,4,7,8-HxCDF	201423900	1.23 y	31:54	1.21	290.037	3.312	-	n
1,2,3,6,7,8-HxCDF	135252600	1.28 y	32:02	1.34	175.875	2.991	-	n
2,3,4,6,7,8-HxCDF	28609500	1.25 y	32:36	1.22	40.870	3.286	-	y
1,2,3,7,8,9-HxCDF	19509530	1.19 y	33:15	1.09	31.182	3.677	-	y
Total HxCDF	824464820	1.22 y	30:31	1.22	1168.503	3.299	-	y
13C-1,2,3,6,7,8-HxCDD	109269700	1.28 y	32:48	0.81	109.283	0.016	55.1	n
1,2,3,4,7,8-HxCDD	2913910	1.32 y	32:44	1.01	5.256	0.143	-	y
1,2,3,6,7,8-HxCDD	7479180	1.32 y	32:49	1.11	12.192	0.129	-	y
1,2,3,7,8,9-HxCDD	7278650	1.31 y	33:05	1.21	10.932	0.119	-	y
Total HxCDD	47796896	1.22 y	31:21	1.11	77.664	0.130	-	y
13C-1,2,3,4,6,7,8-HpCDF	88074400	0.45 y	34:35	0.86	82.415	0.452	41.5	n
1,2,3,4,6,7,8-HpCDF	340409000	0.98 y	34:35	1.31	585.539	0.903	-	n
1,2,3,4,7,8,9-HpCDF	132500700	0.98 y	35:43	1.03	291.035	1.154	-	n
Total HpCDF	681974800	0.98 y	34:35	1.17	1279.928	1.013	-	n
13C-1,2,3,4,6,7,8-HpCDD	82792200	1.04 y	35:24	0.70	95.810	0.218	48.3	n
1,2,3,4,6,7,8-HpCDD	19461360	1.04 y	35:24	1.07	43.513	0.392	-	n
Total HpCDD	29559665	0.23 n	34:29	1.07	66.091	0.392	-	n
13C-OCDD	87474500	0.91 y	37:53	0.53	132.871	0.200	33.5	n
OCDF	857984000	0.89 y	38:00	1.45	2692.917	3.622	-	n

See VB225

B

*G
G
G
G*

B

E

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OCDD 17871930 0.88 y 37:54 1.17

69.518 /

0.352

- n

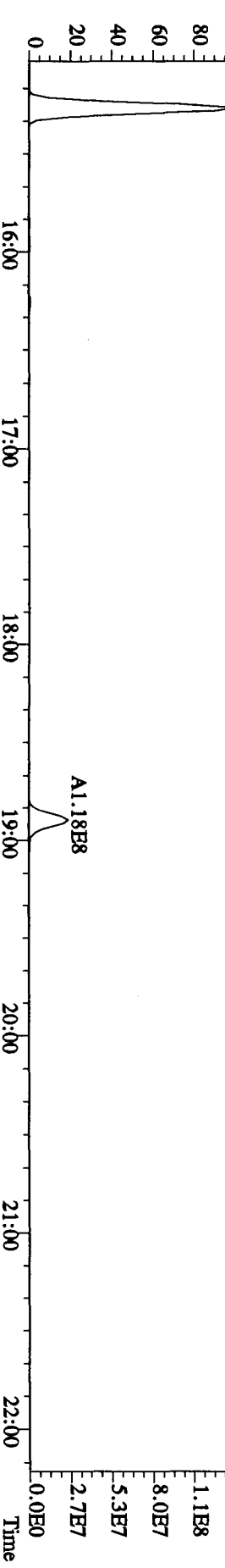
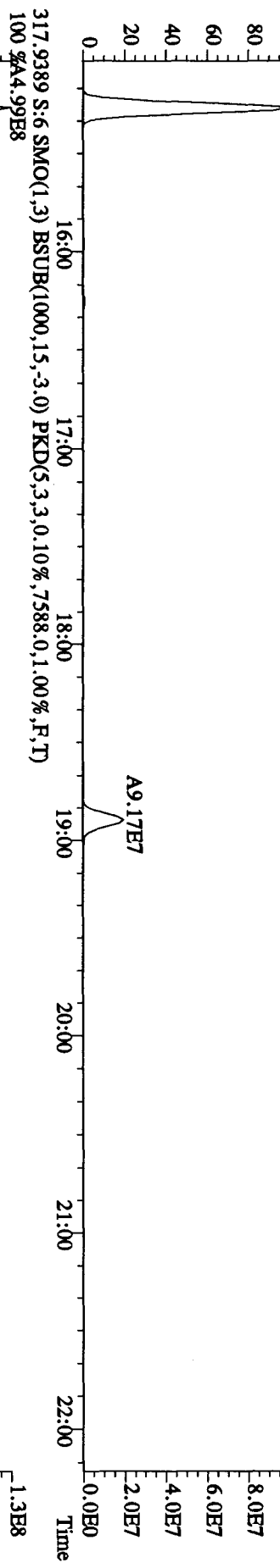
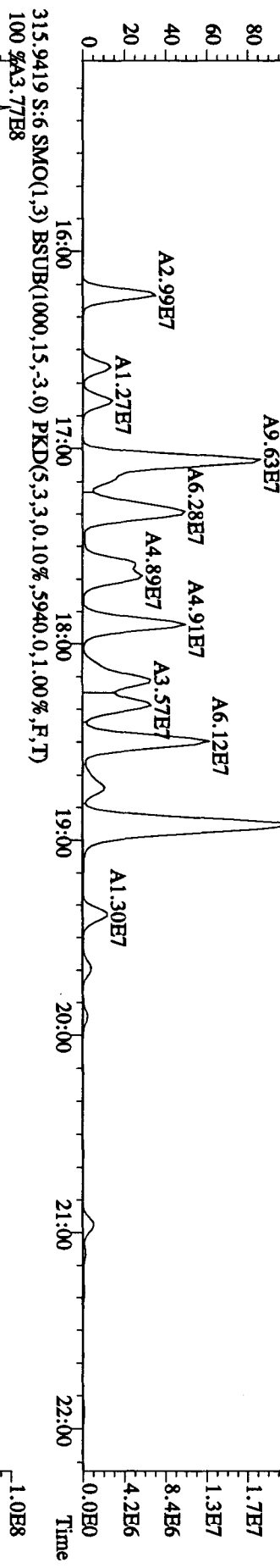
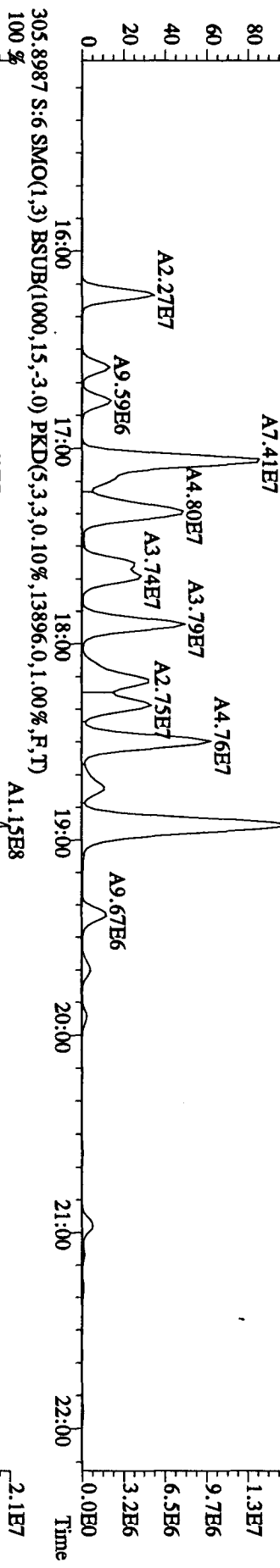
Run text: LX3A0-1-AC Sample text: LX3A0-1-AC :GOD160437-1
 Run #10 Filename: 03MY10A4D5 S: 6 I: 1 Results: 03MY10A4D58290A
 Acquired: 3-MAY-10 14:55:09 Processed: 4-MAY-10 09:51:49
 Run: 03MY10A4D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Sample size: 10.08 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	138248600	0.80 y	19:28	-	10.3091	-	-	n
13C-2,3,7,8-TCDF	209543300	0.78 y	18:54	1.52	98.8777	0.0916	49.8	n
2,3,7,8-TCDF	204050600	0.77 y	18:56	0.95	204.3884	0.3717	-	n
Total TCDF	1074568016	0.76 y	16:14	0.95	1076.3470	0.3717	-	n
13C-2,3,7,8-TCDD	158018900	0.79 y	19:41	0.95	119.4007	0.0981	60.2	n
2,3,7,8-TCDD	3909750	0.78 y	19:42	1.02	4.8081	0.1115	-	n
Total TCDD	61730166	3.26 n	15:16	1.02	75.9144	0.1115	-	n
37Cl-2,3,7,8-TCDD	173136200	1.00 y	19:42	2.26	54.9425	0.0906	69.2	n
13C-1,2,3,7,8-PeCDF	168235300	1.58 y	24:33	1.05	114.9403	0.1187	57.9	n
1,2,3,7,8-PeCDF	112437300	1.64 y	24:34	1.04	126.9251	2.1857	-	n
2,3,4,7,8-PeCDF	55538200	1.61 y	26:03	0.98	66.6909	2.3251	-	n
Total F2 PeCDF	792775780	1.62 y	22:48	1.01	920.7085	2.2532	-	n
Total F1 PeCDF	107700253	1.57 y	20:21	1.01	125.3329	0.0602	-	n
13C-1,2,3,7,8-PeCDD	119719000	1.58 y	26:51	0.67	128.1338	0.0647	64.6	n
1,2,3,7,8-PeCDD	5562900	1.50 y	26:53	0.98	9.3892	0.2146	-	n
Total PeCDD	51921895	1.39 y	23:15	0.98	87.6353	0.2146	-	n
13C-1,2,3,7,8,9-HxCDD	122907500	1.25 y	33:04	-	11.8660	-	-	n
13C-1,2,3,4,7,8-HxCDF	113632400	0.52 y	31:54	1.02	89.4948	0.0917	45.1	n
1,2,3,4,7,8-HxCDF	201423900	1.23 y	31:54	1.21	290.0375	3.3125	-	n
1,2,3,6,7,8-HxCDF	135252600	1.28 y	32:02	1.34	175.8755	2.9914	-	n
2,3,4,6,7,8-HxCDF	70325500	1.25 y	32:32	1.22	100.4643	3.2863	-	n
1,2,3,7,8,9-HxCDF	49921900	1.23 y	33:19	1.09	79.7905	3.6768	-	n
Total HxCDF	896593190	1.22 y	30:31	1.22	1276.7060	3.2991	-	n
13C-1,2,3,6,7,8-HxCDD	109269700	1.28 y	32:48	0.81	109.2826	0.0158	55.1	n
1,2,3,4,7,8-HxCDD	*	* n	Not Fnd	1.01	*	0.1431	-	n
1,2,3,6,7,8-HxCDD	7694888	0.95 n	32:49	1.11	12.5436	0.1293	-	n
1,2,3,7,8,9-HxCDD	7269520	1.31 y	33:05	1.21	10.9179	0.1191	-	n
Total HxCDD	45089562	1.22 y	31:21	1.11	72.7466	0.1298	-	n
13C-1,2,3,4,6,7,8-HpCDF	88074400	0.45 y	34:35	0.86	82.4150	0.4525	41.5	n
1,2,3,4,6,7,8-HpCDF	340409000	0.98 y	34:35	1.31	585.5392	0.9035	-	n
1,2,3,4,7,8,9-HpCDF	132500700	0.98 y	35:43	1.03	291.0351	1.1537	-	n
Total HpCDF	681974800	0.98 y	34:35	1.17	1279.9282	1.0134	-	n
13C-1,2,3,4,6,7,8-HpCDD	82792200	1.04 y	35:24	0.70	95.8097	0.2177	48.3	n
1,2,3,4,6,7,8-HpCDD	19461360	1.04 y	35:24	1.07	43.5129	0.3920	-	n
Total HpCDD	29559665	0.23 n	34:29	1.07	66.0913	0.3920	-	n
13C-OCDD	87474500	0.91 y	37:53	0.53	132.8715	0.2004	33.5	n
OCDF	857984000	0.89 y	38:00	1.45	2692.9165	3.6216	-	n
OCDD	17871930	0.88 y	37:54	1.17	69.5181	0.3519	-	n

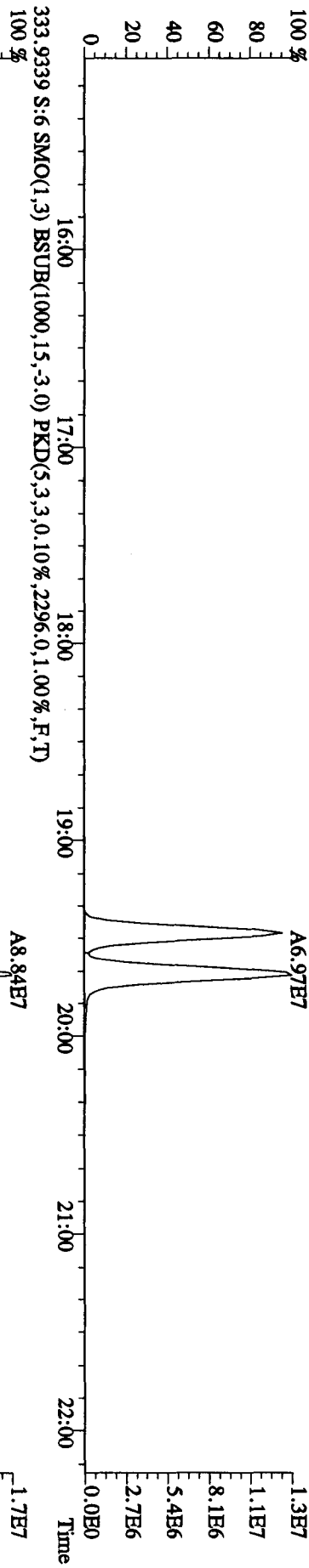
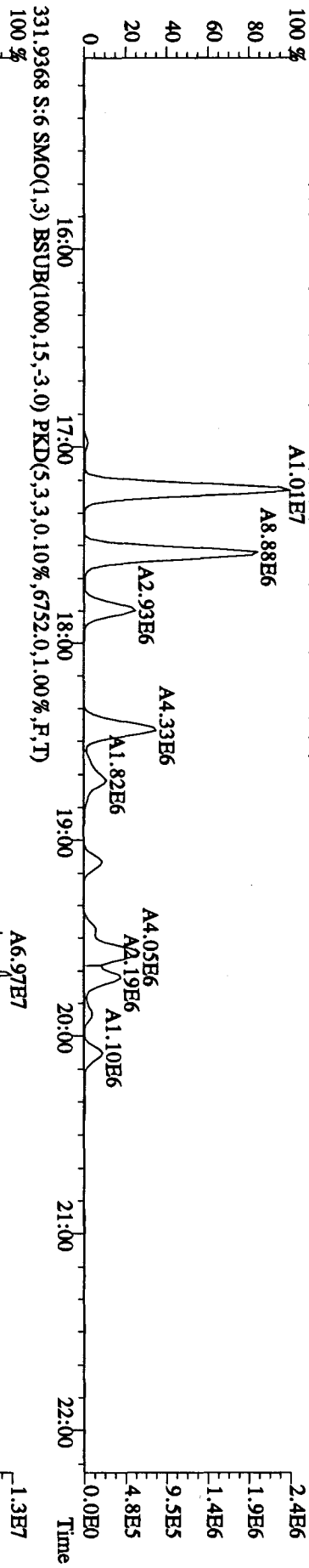
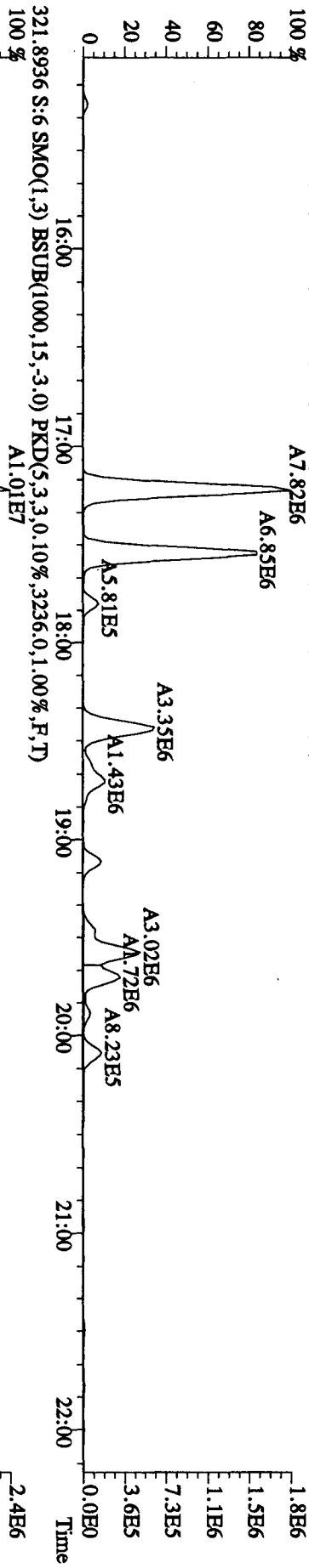
See
DB25

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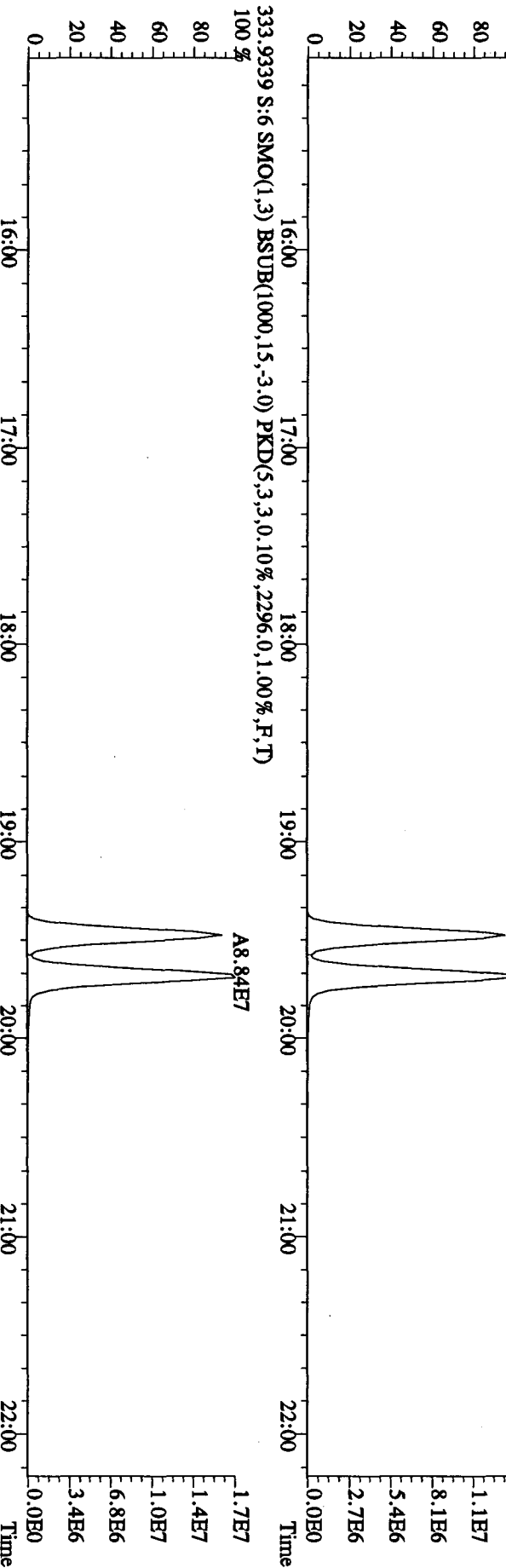
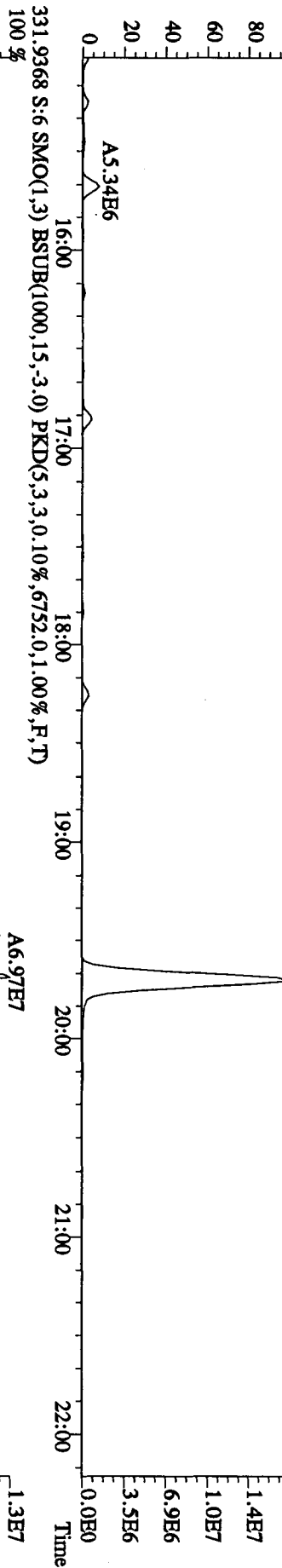
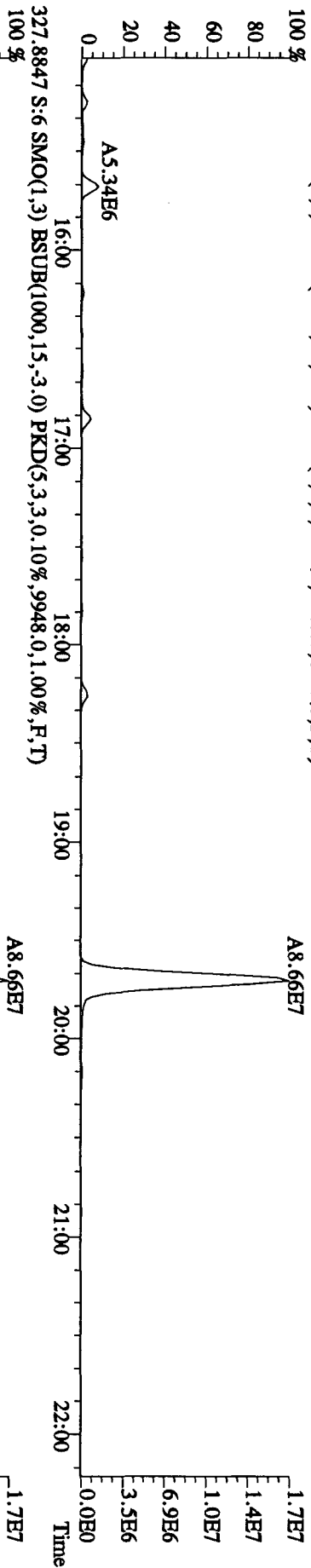
File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:LX3A0-1-AC :G0D160437-1 Exp:DIOXINRES8290A
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12524.0,1.00%,F,T)
 100 %



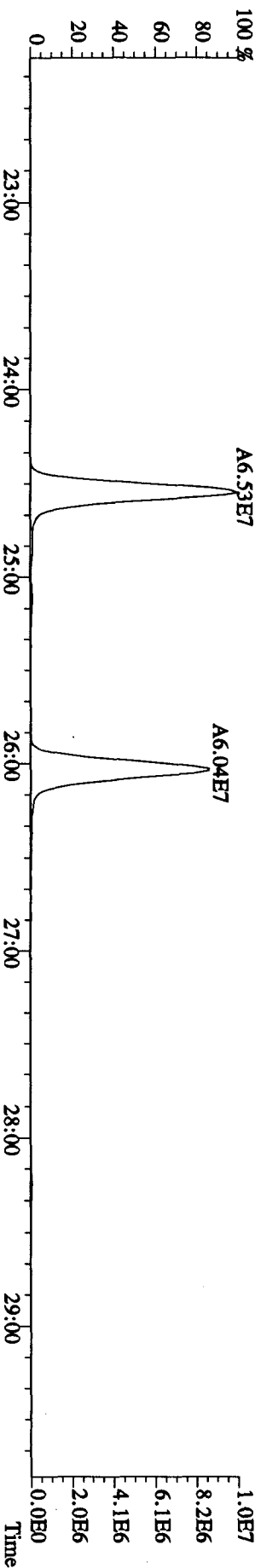
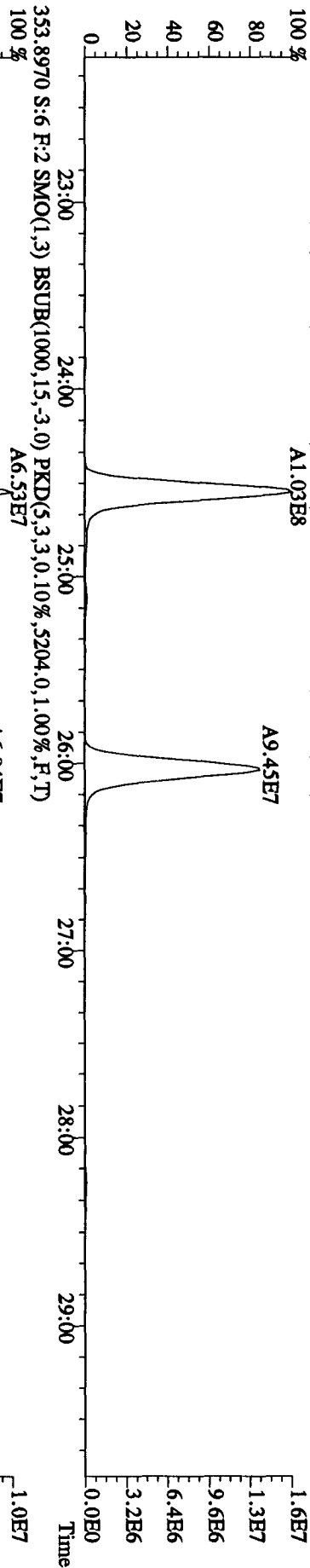
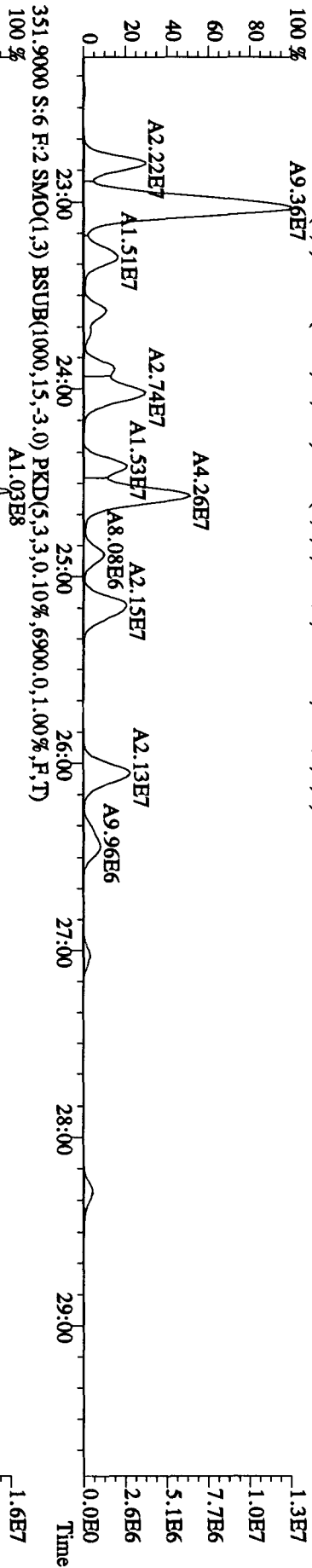
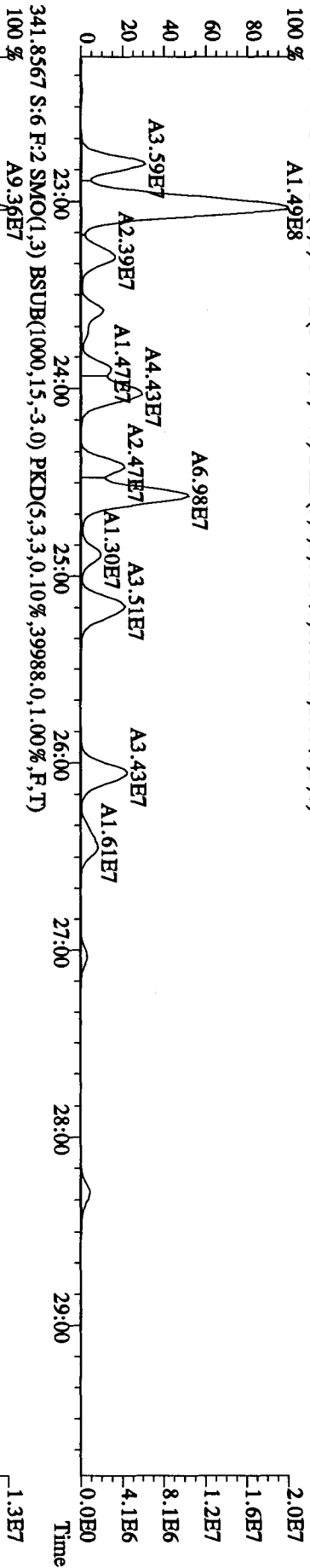
File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:LX3A0-1-AC :G0D160437-1 Exp:DIOXINRES8290A
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2608,0.1,0.0%,F,T)
 100% A7.82E6



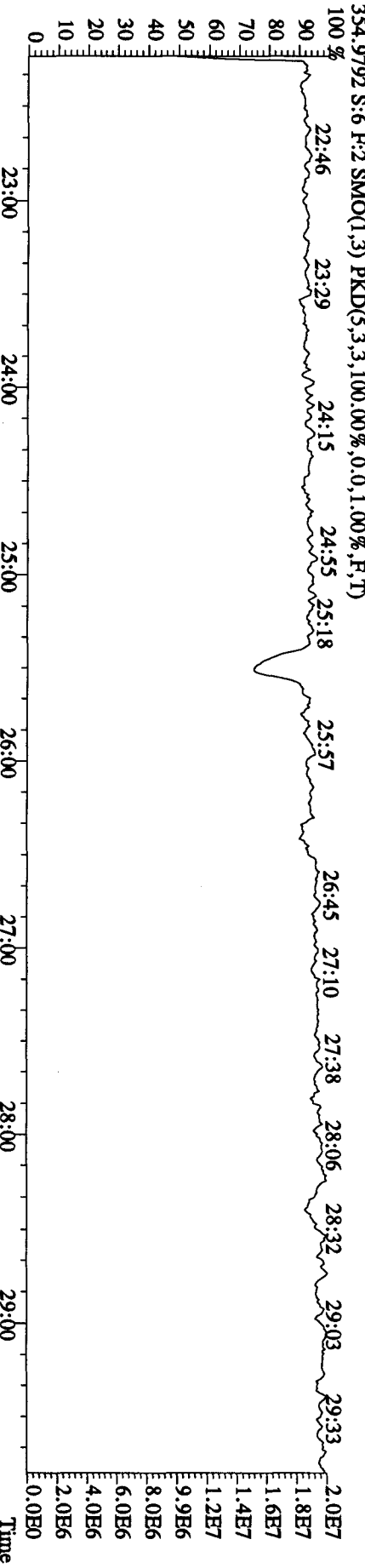
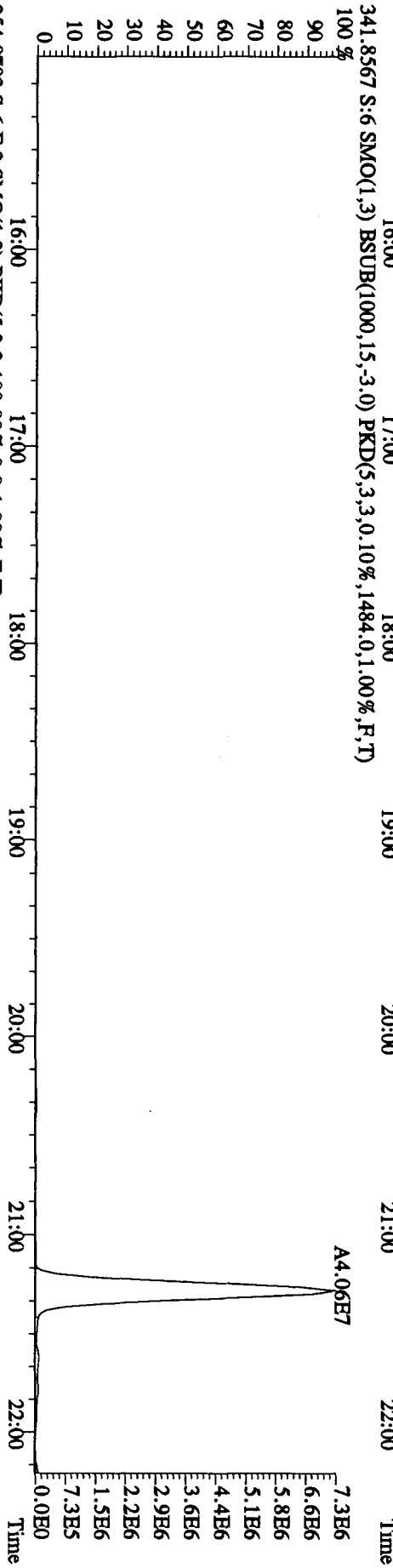
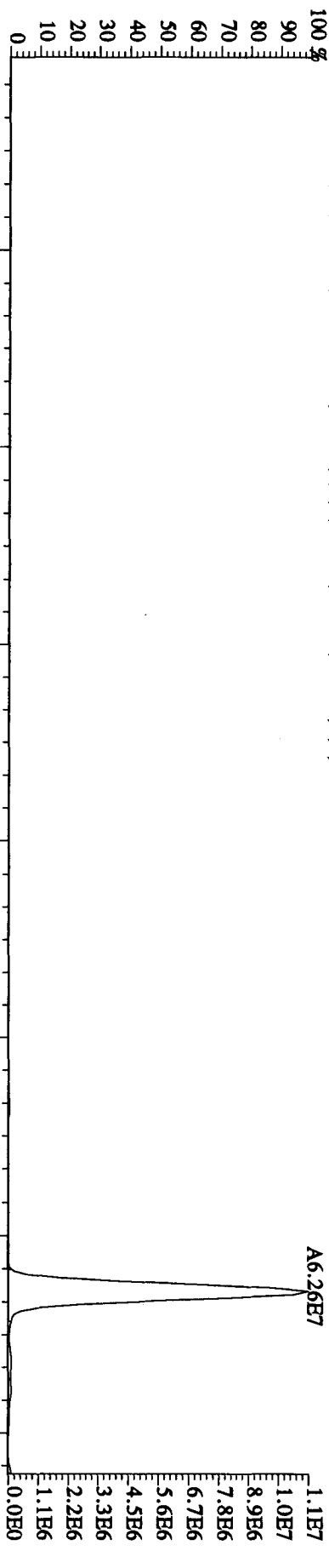
File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:LX3A0-1-AC :GOD160437-1 Exp:DIOXINRES8290A
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9948.0,1.00%,F,T)
 100%



File:03MT10A4D5 #1-604 Acq: 3-MAY-2010 14:55:09 GC EI + Voltage SIR Autospec-UltimaE
 Sample#6 Text:LX3A0-1-AC :GOD160437-1 Exp:DIOXINRES8290A
 339 8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,60532.0,1.00%,F,T)
 100 % A1.49E8



File:03MAY10AAD5 #1-434 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:LX3A0-1-AC :G0D160437-1 Exp:DIOXINRES8290A
 339.8597 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1200.0,1.00%,F,T)
 100%

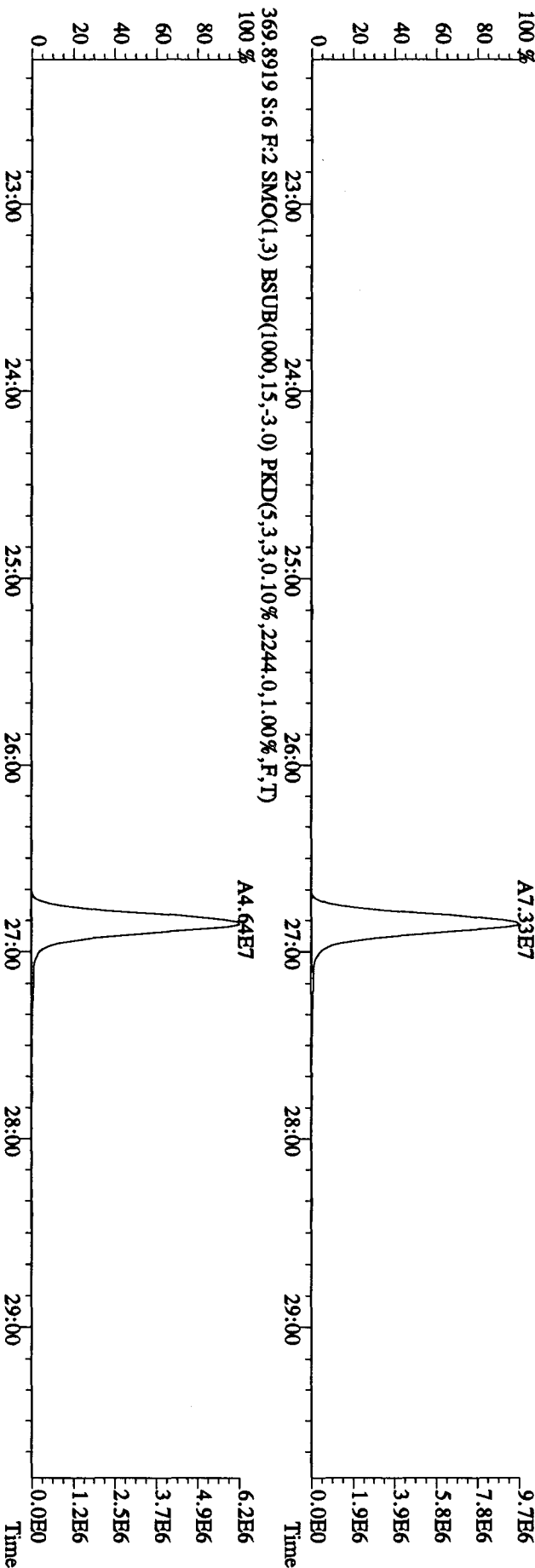
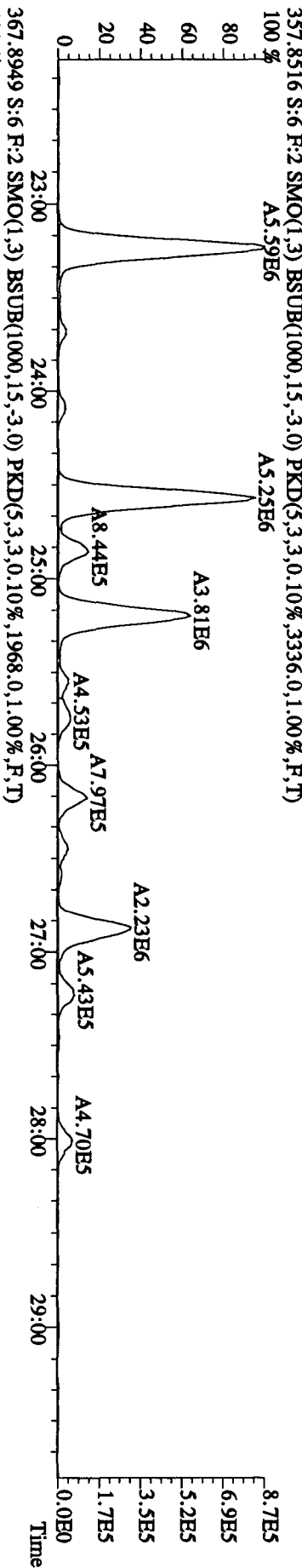
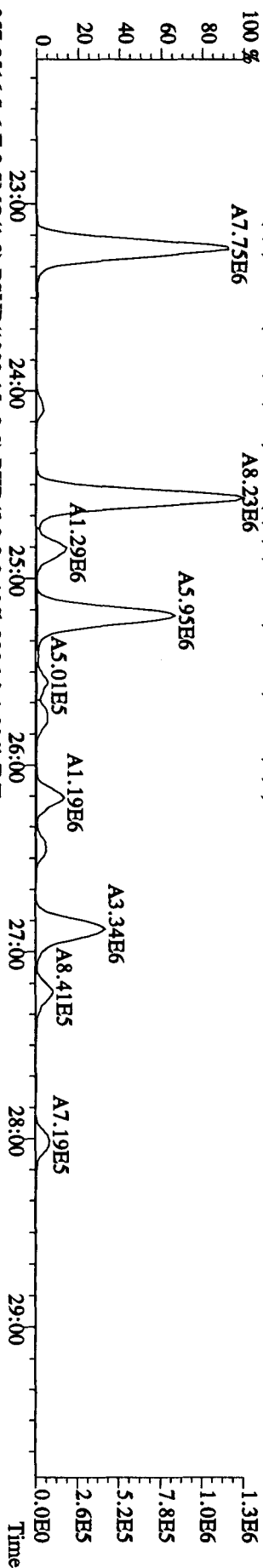


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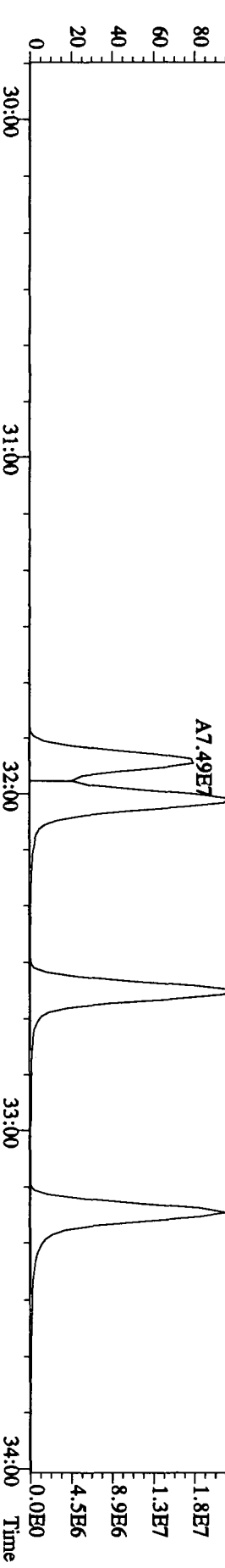
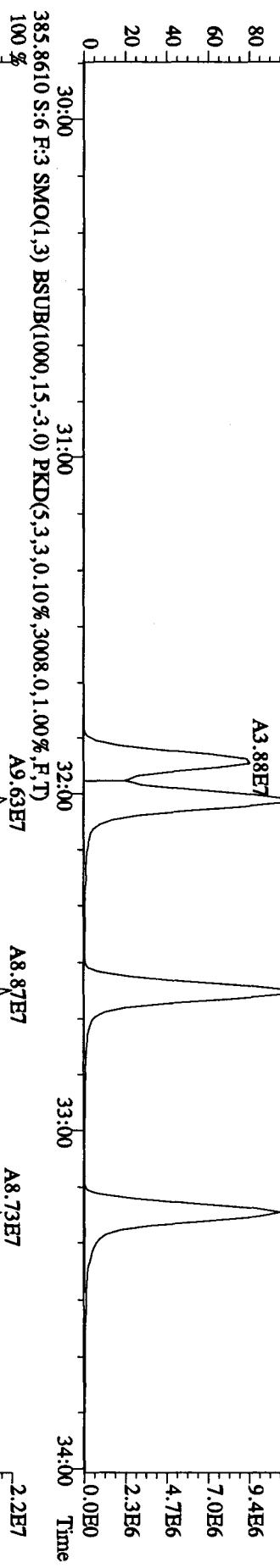
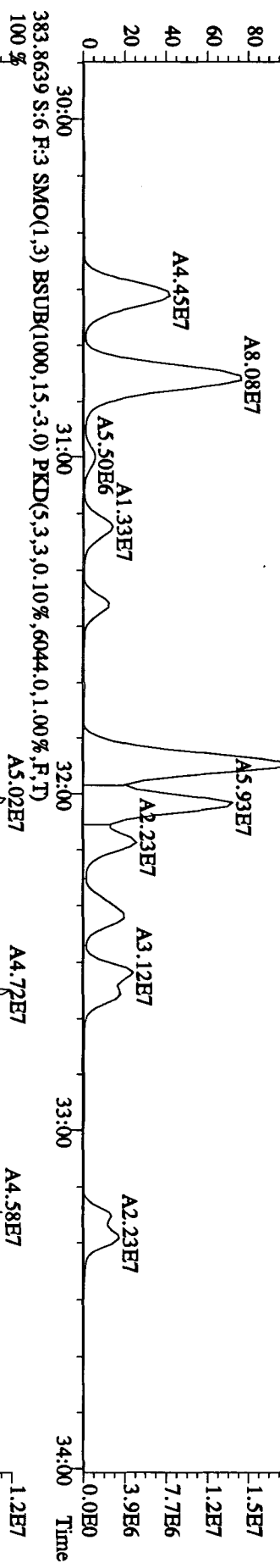
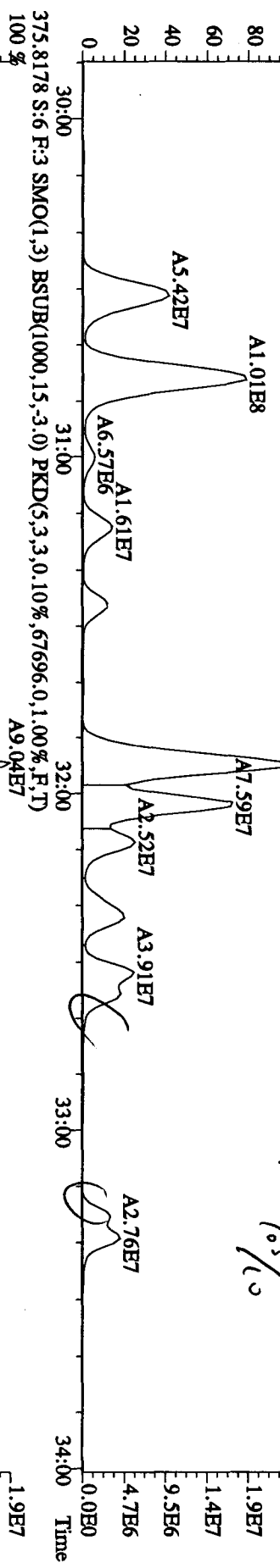
Sample#6 Text:LX3A0-1-AC :G0D160437-1

Exp:DIOXINRES8290A

355.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2284.0,1.00%,F,T)

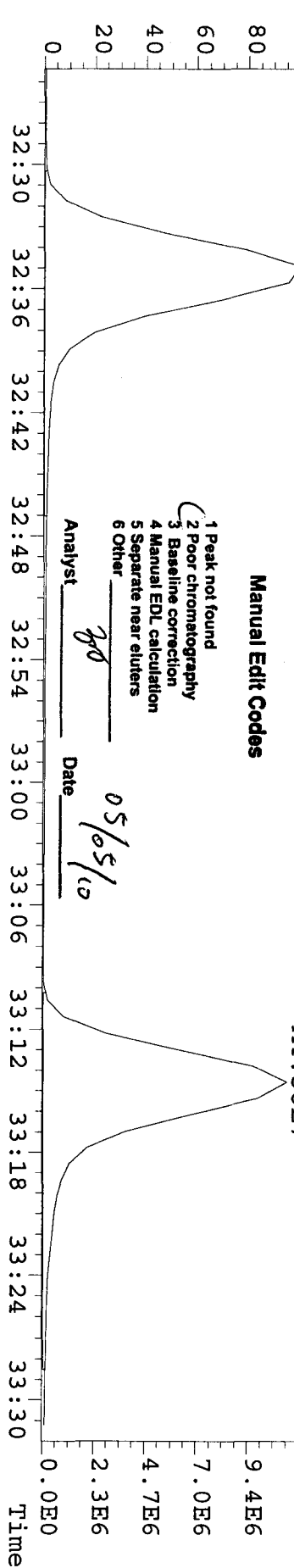
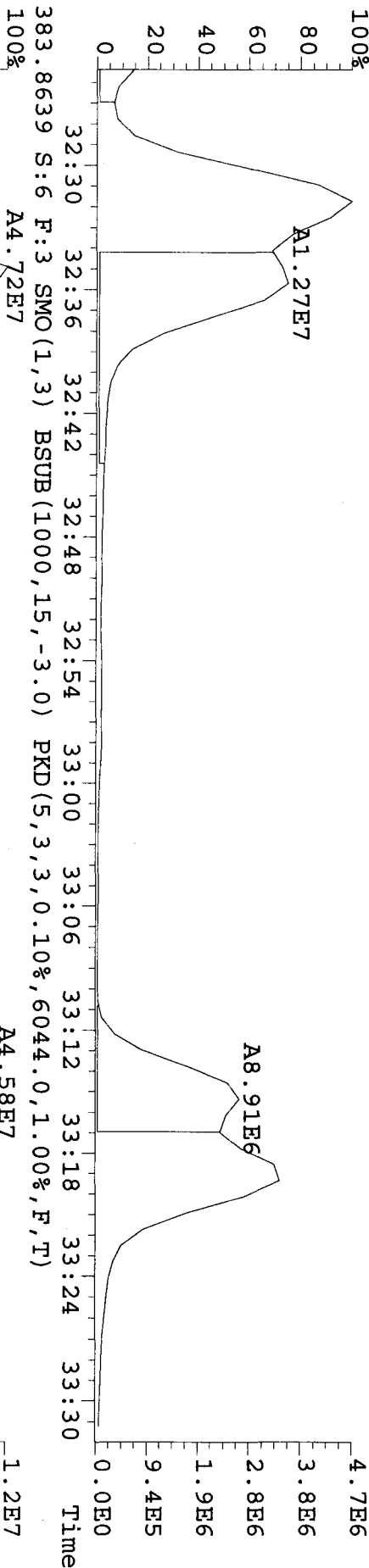
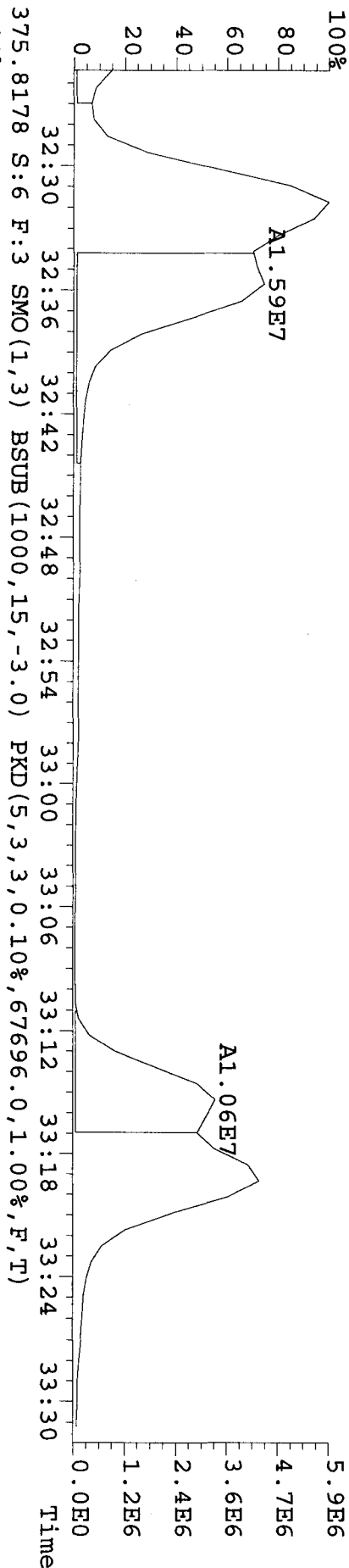


File:03MY10A4D5 #1-317 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:LX3A0-1-AC :G0D160437-1 Exp:DIOXINRES8290A
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,115732.0,1.00%,F,T) A1.11E8
 100 %



8th 0.5/0.5/1.0

File: 03MY10A4D5 #1-317 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text: LX3A0-1-AC :G0D160437-1 Exp:DIOXINRES8290A
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,115732.0,1.00%,F,T)

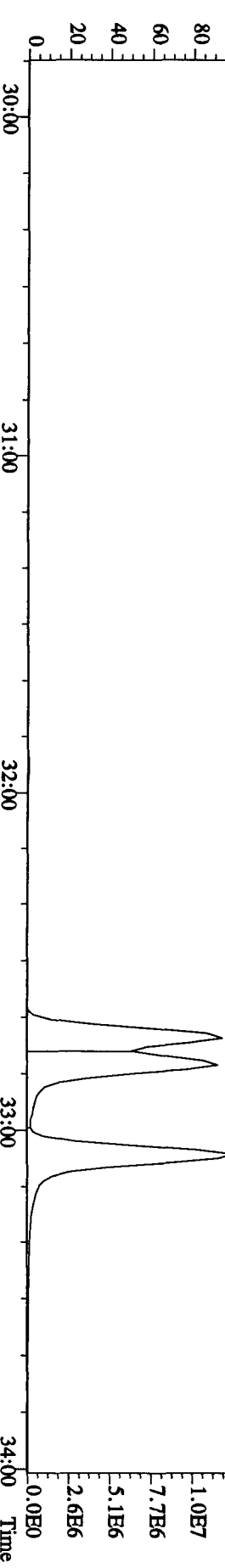
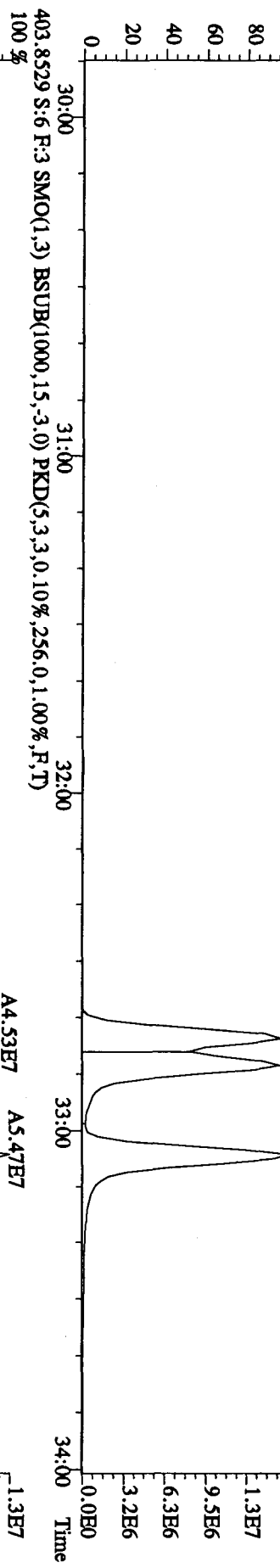
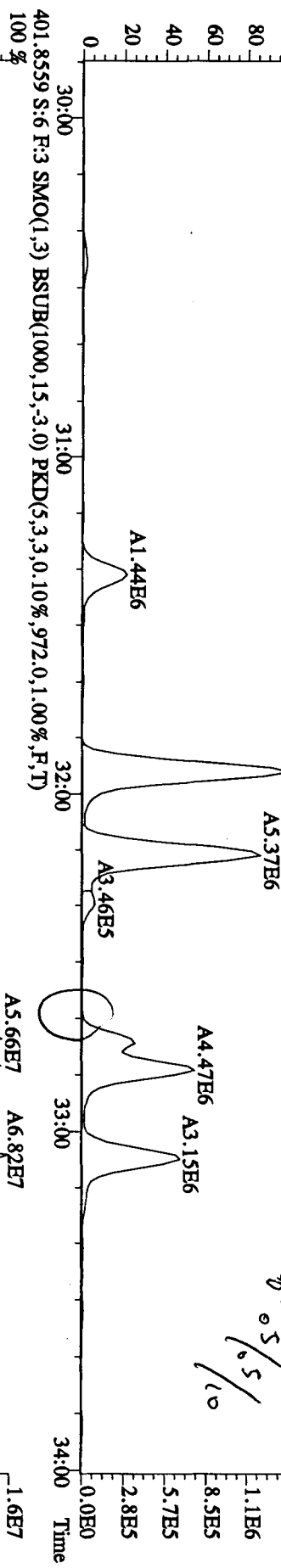
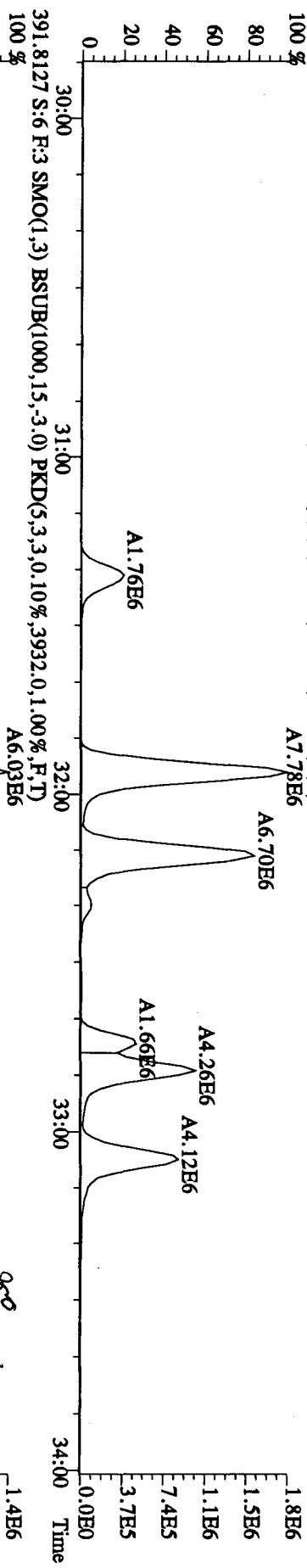


Manual Edit Codes

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

Analyst gpd Date 05/05/10

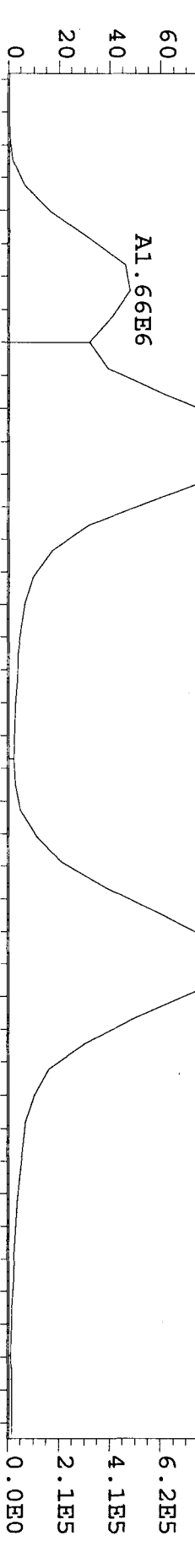
File:03MY10A4D5 #1-317 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:LX3A0-1-AC :GDD160437-1 Exp:DIOXINRES8290A
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2604.0,1.00%,F,T)
 100 %



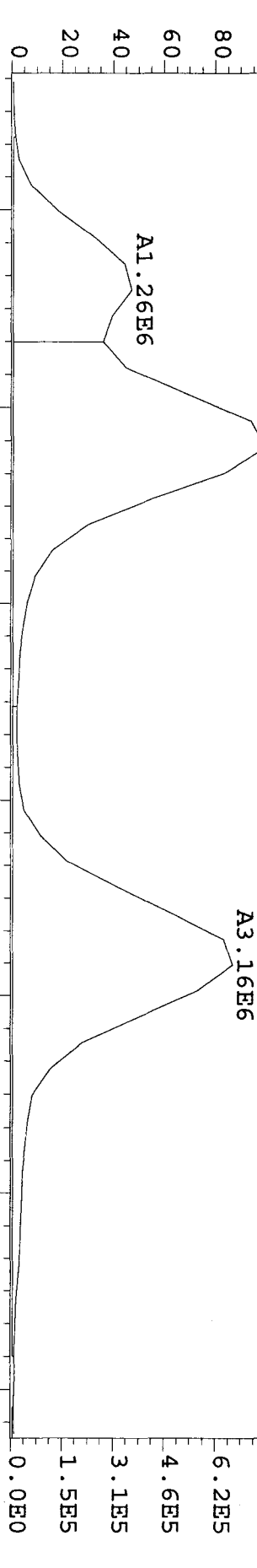
File: 03MY10A4D5 #1-317 Acq: 3-MAY-2010 14:55:09 GC FI+ Voltage SIR Autospec-UltimaE

Sample#6 Text: LX3A0-1-AC :G0D160437-1 Exp:DIOXINRES8290A

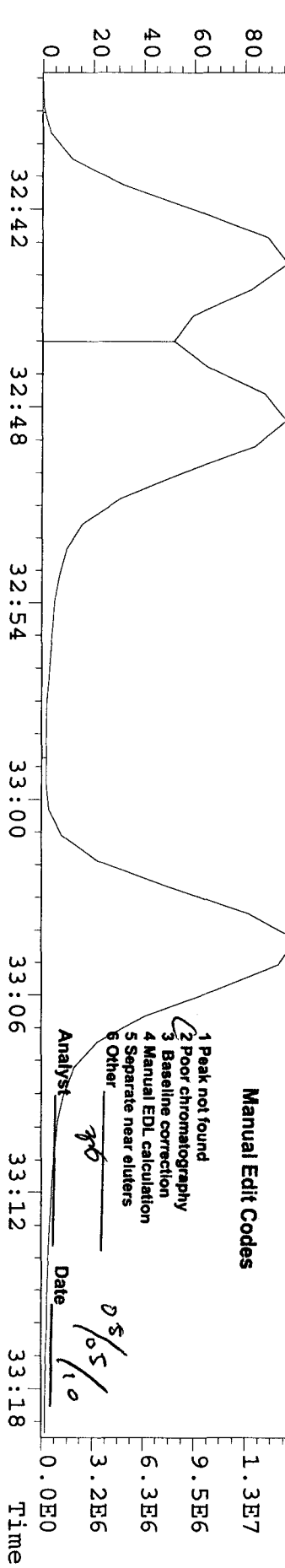
389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2604.0,1.00%,F,T)



391.8127 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3932.0,1.00%,F,T)



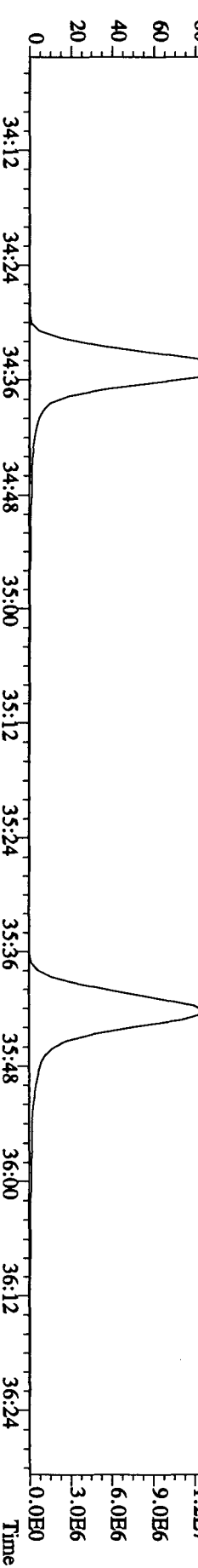
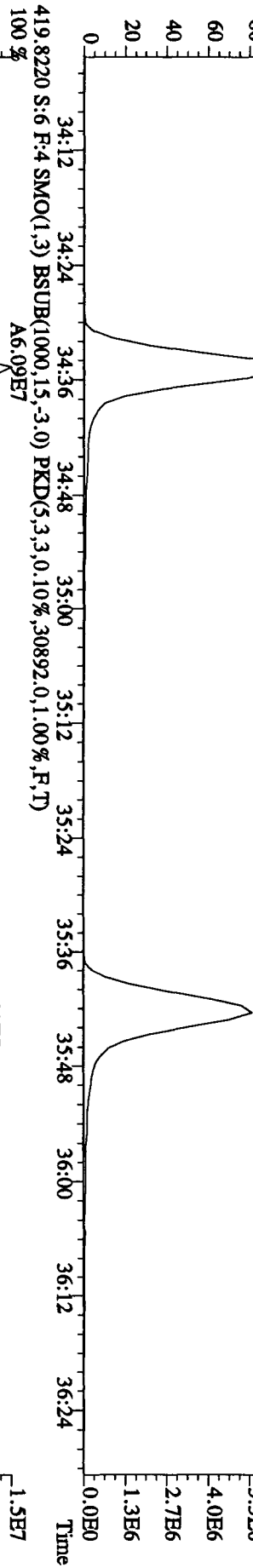
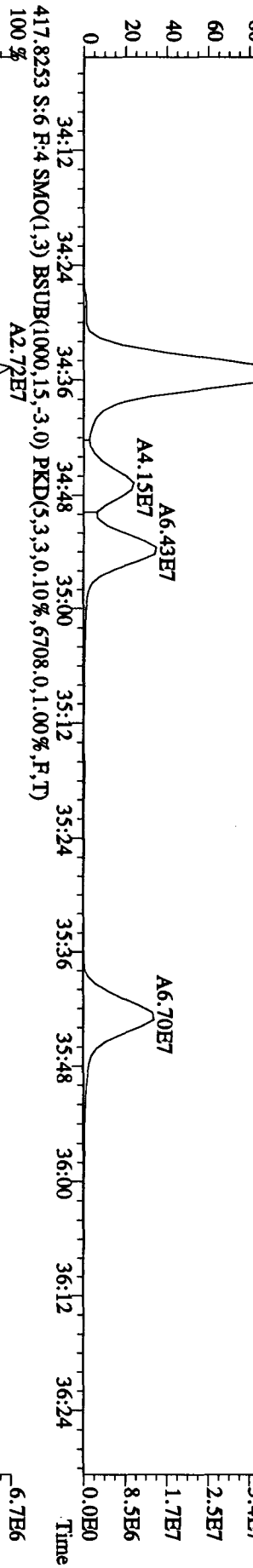
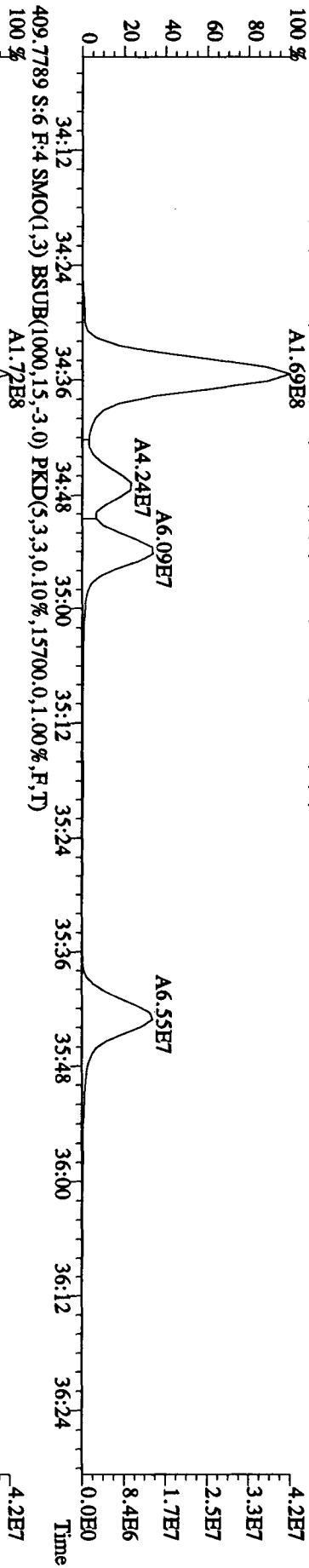
401.8559 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,972.0,1.00%,F,T)



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

Analyst pb Date 05/05/10

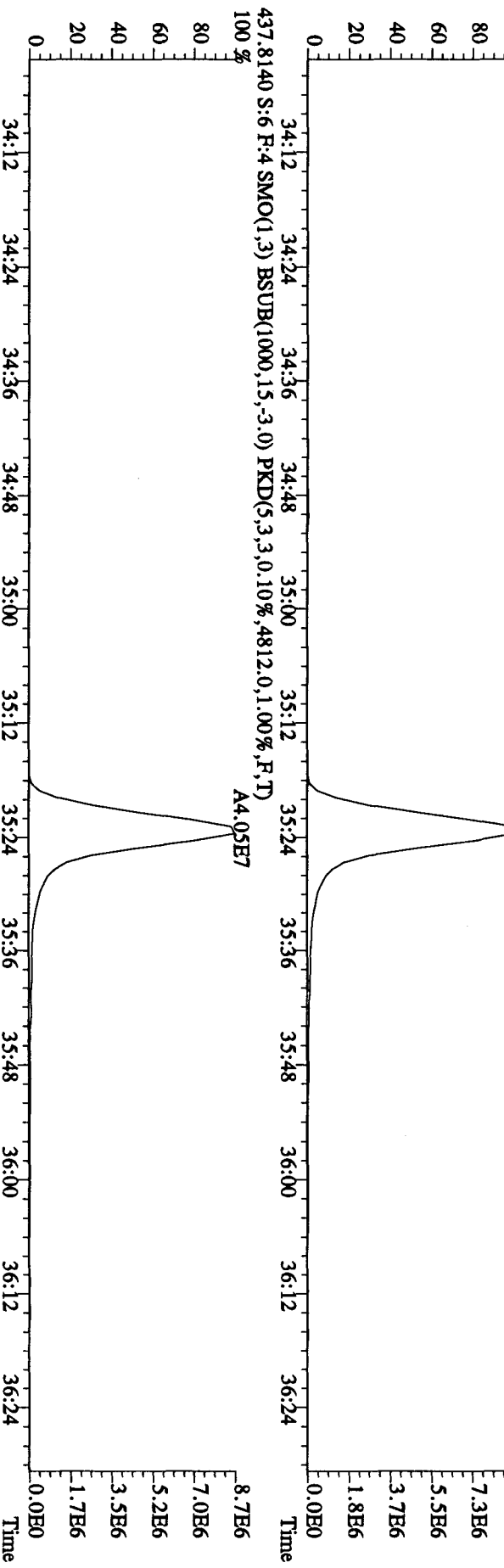
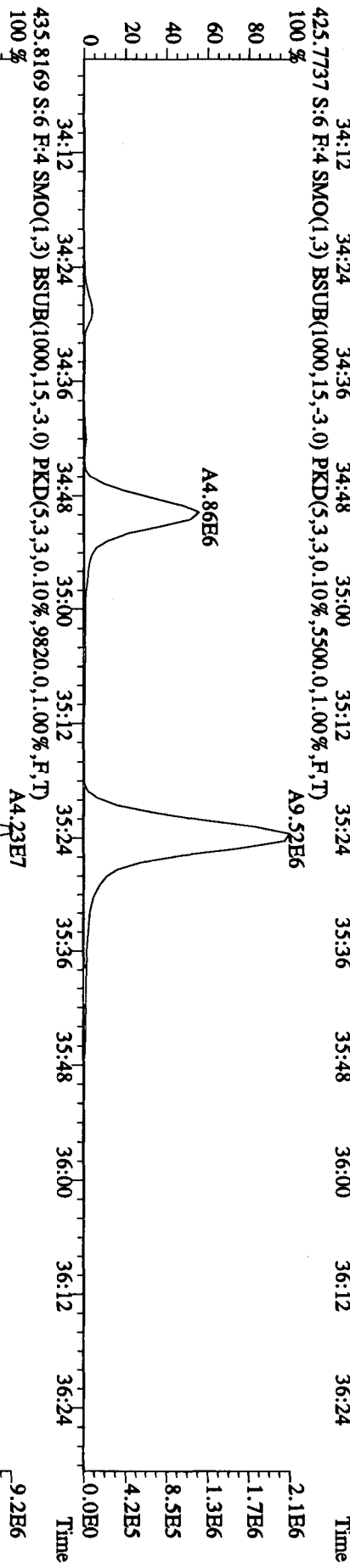
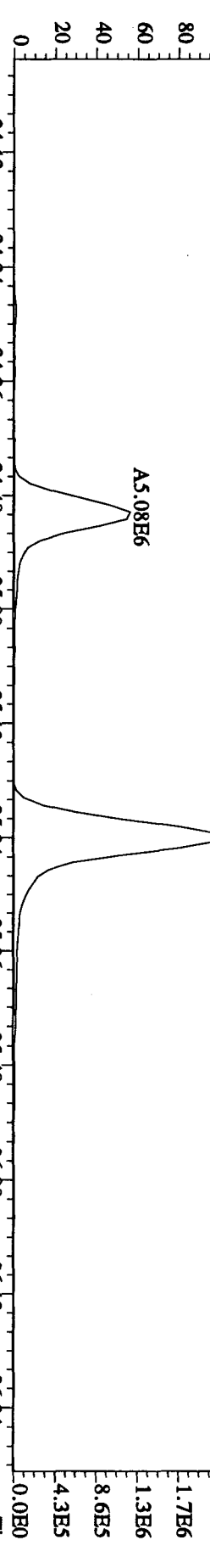
File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text:LX3A0-1-AC :GDD160437-1 Exp:DIOXINRES8290A
 407.7818 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,27296,0,1.00%,F,T)
 100 % A1.69E8



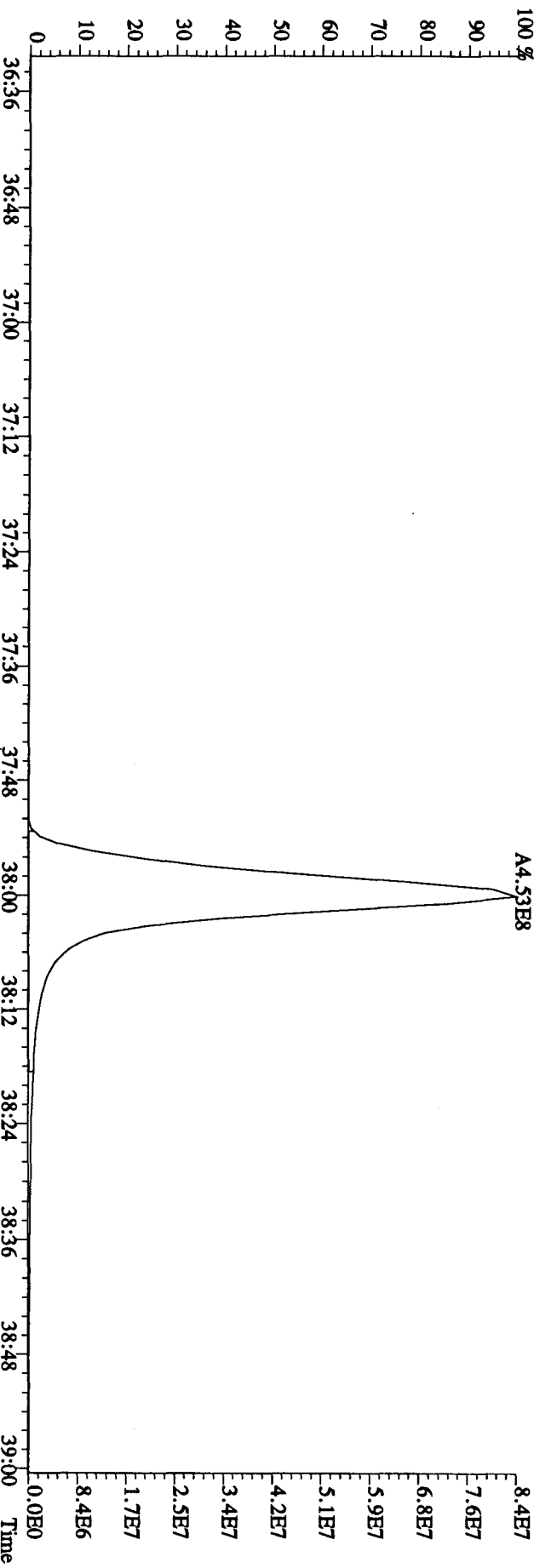
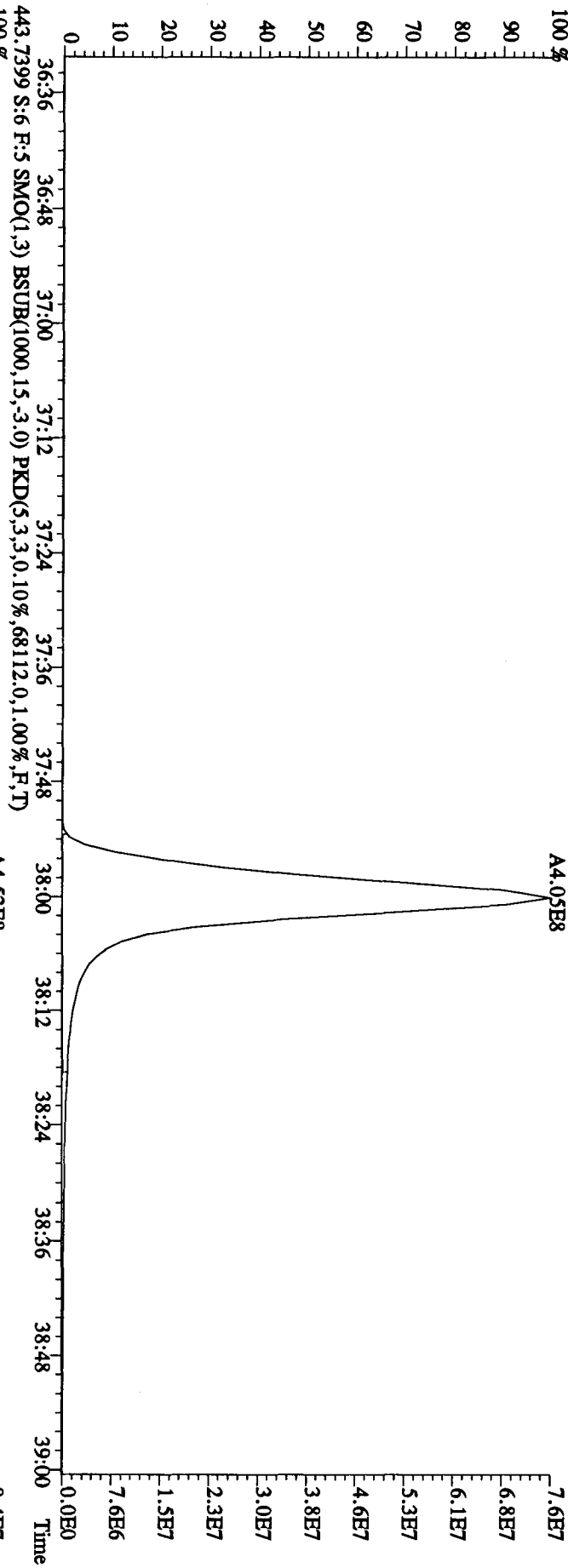
File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-UltimaE

Sample#6 Text:LX3AO-1-AC :G0D160437-1 Exp:DIOXINRES8290A

423.7766 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7152.0,1.00%,F,T)

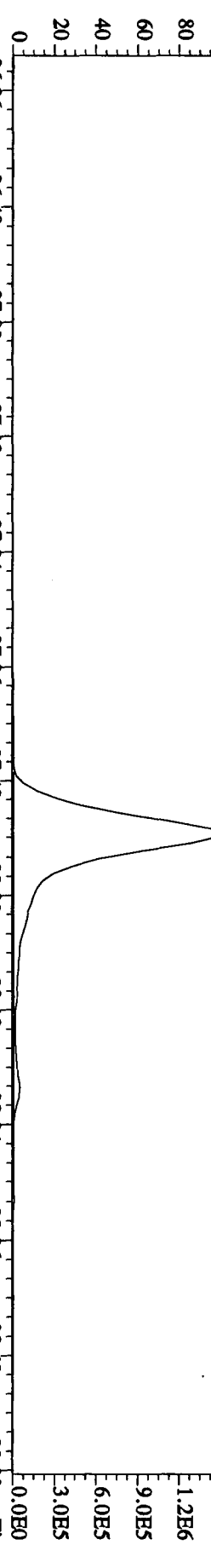


File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:LX3A0-1-AC :GOD160437-1 Exp:DIOXINRES8290A
 441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1472.0,1.00%,F,T)

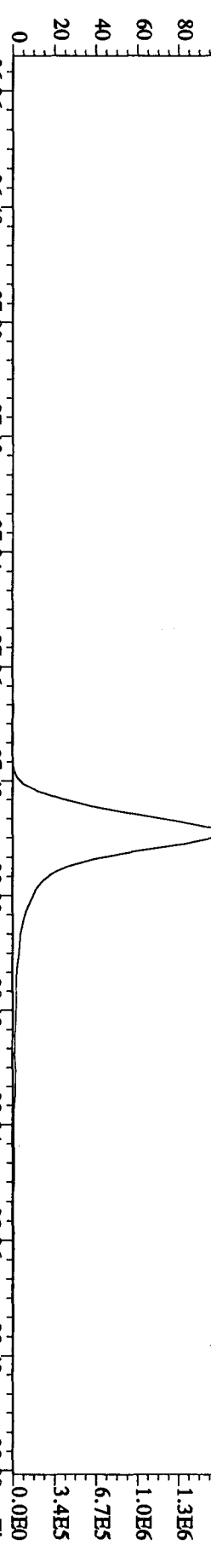


File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 Text:LX3A0-1-AC :G0DD160437-1 Exp.:DIOXINRHS8290A

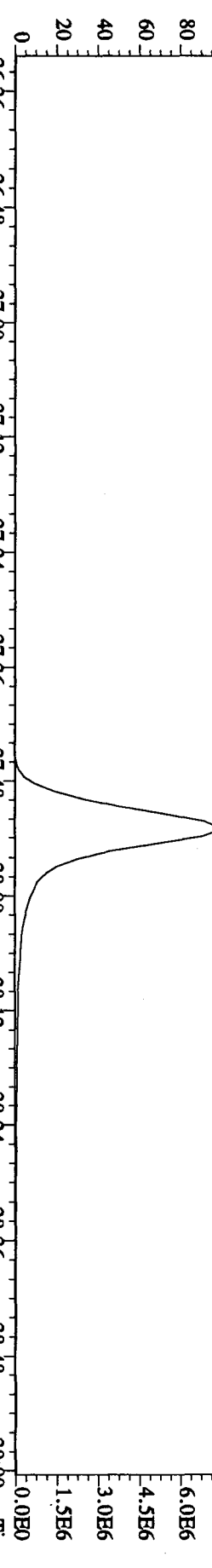
457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2932.0,1.00%,F,T)
100%



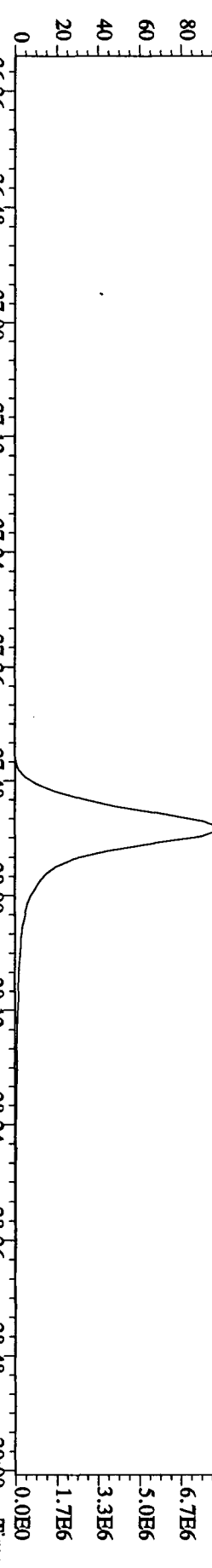
459.7348 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2528.0,1.00%,F,T)
100%



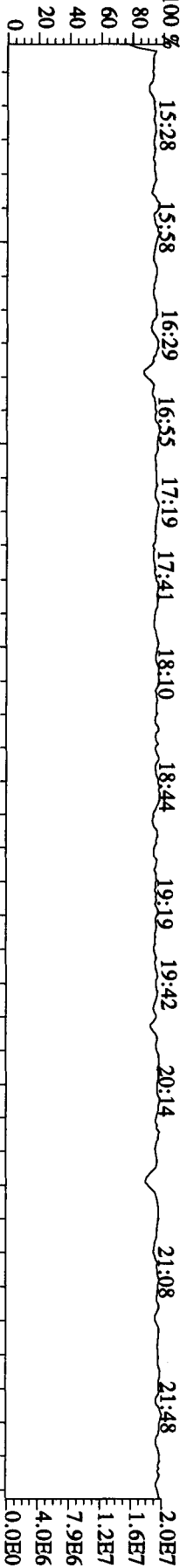
469.7779 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2148.0,1.00%,F,T)
100%



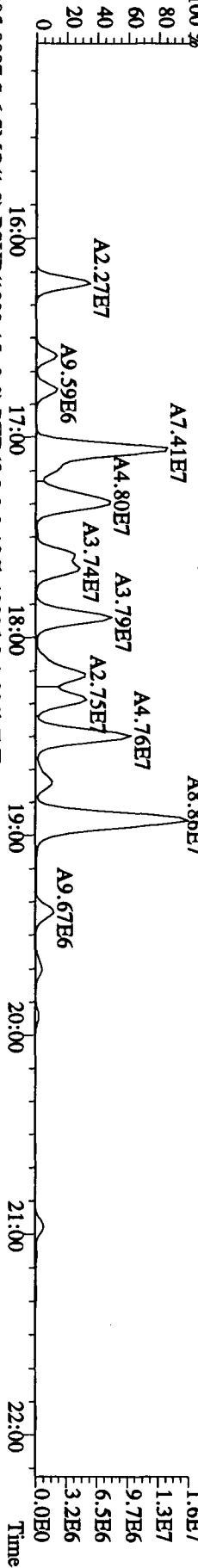
471.7750 S:6 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8112.0,1.00%,F,T)
100%



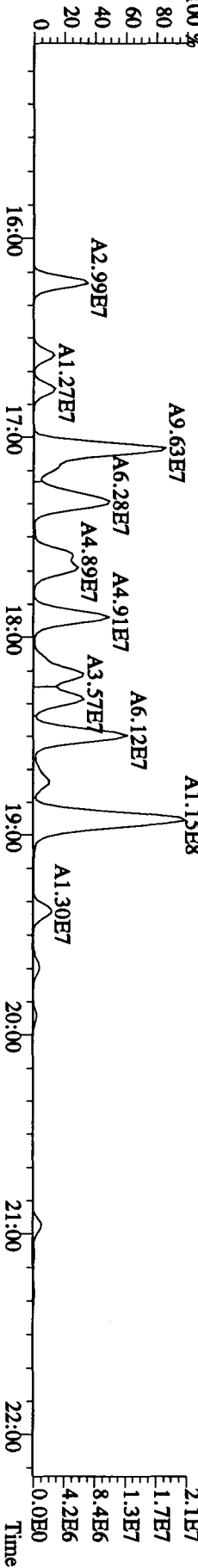
354.9792 S:6 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



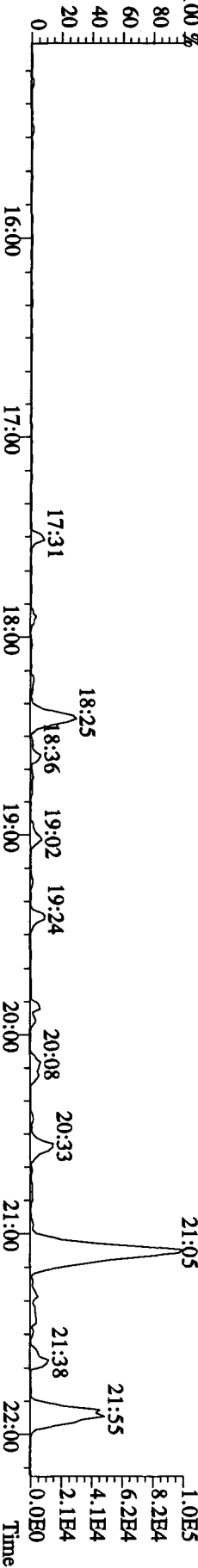
303.9016 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12524.0,1.00%,F,T)



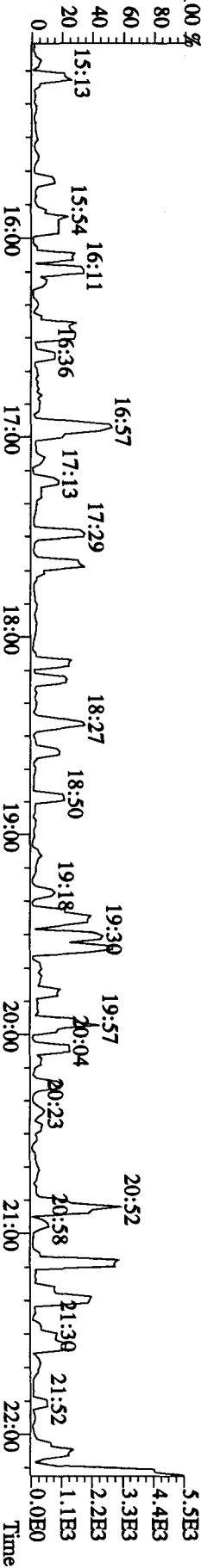
305.8987 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,13896.0,1.00%,F,T)

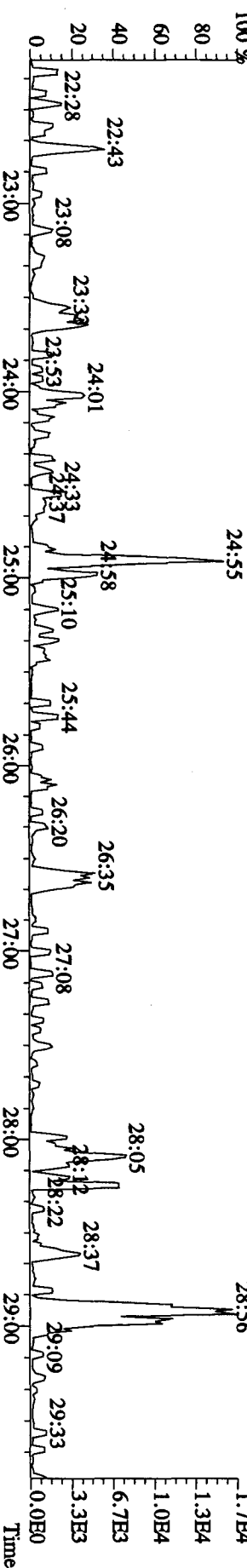
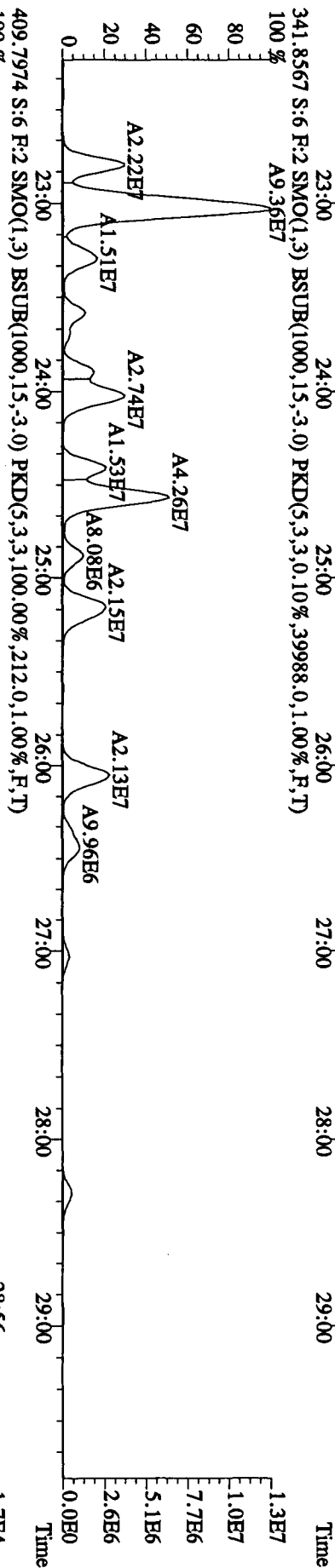
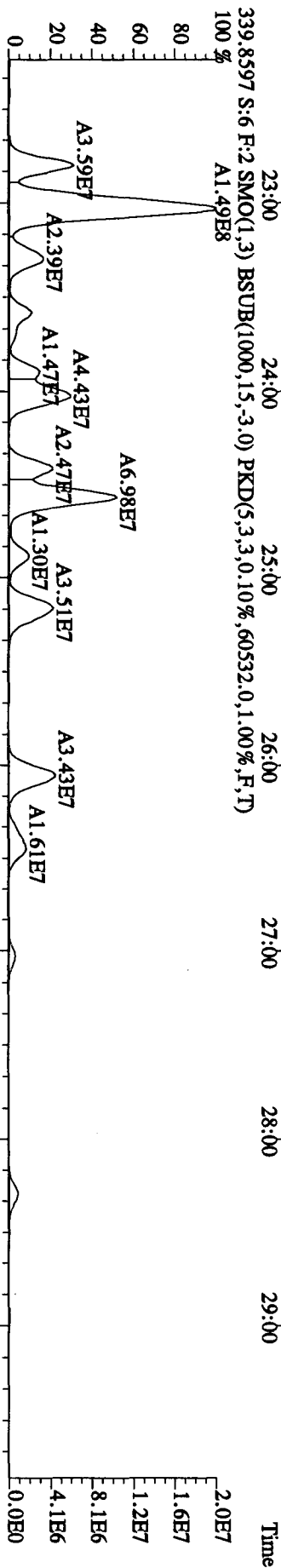
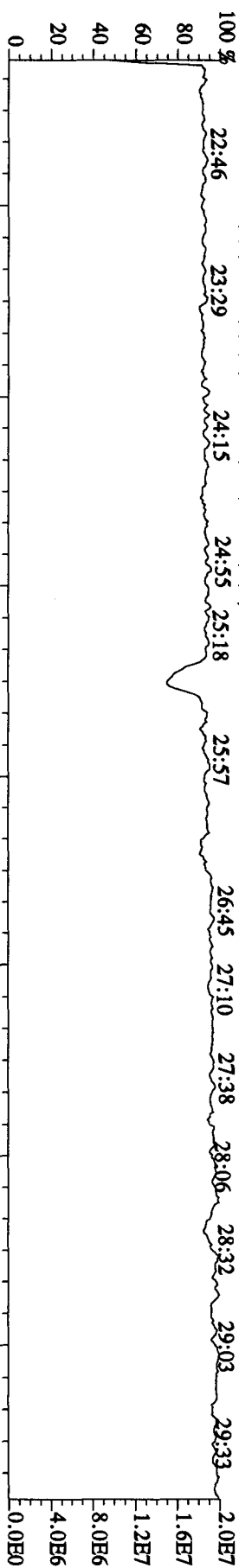


375.8364 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,200.0,1.00%,F,T)



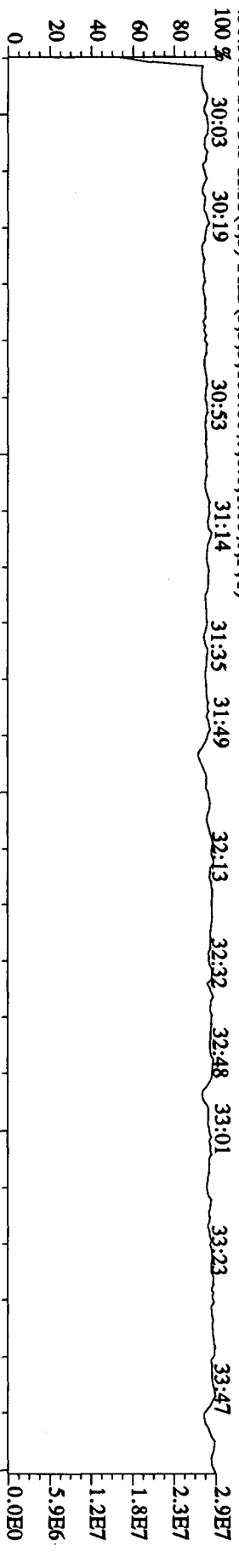
409.7974 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,184.0,1.00%,F,T)



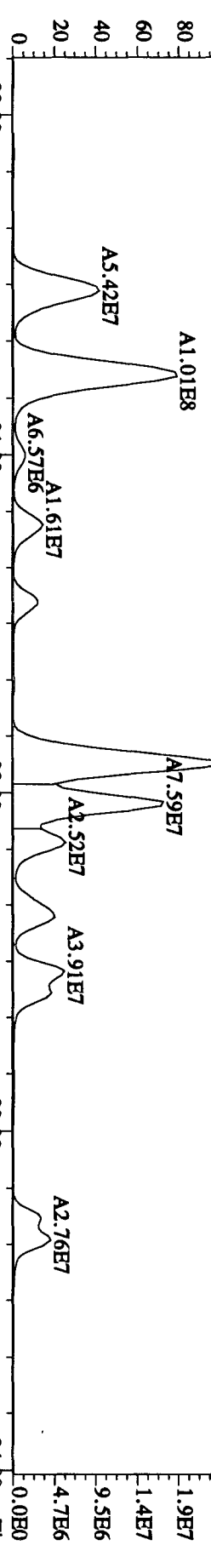


File:03MY10A4D5 #1-317 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SDR Autospec-UltimaB
 Sample#6 Text:LX3A0-1-AC :GOD160437-1 Exp:DIOXINRES8290A

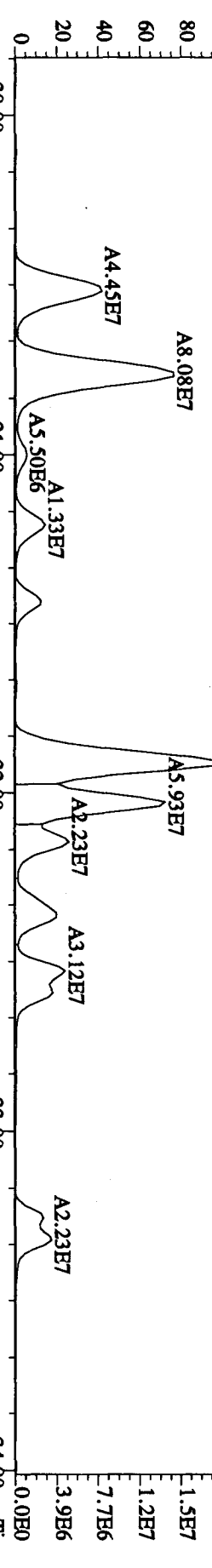
430.9728 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



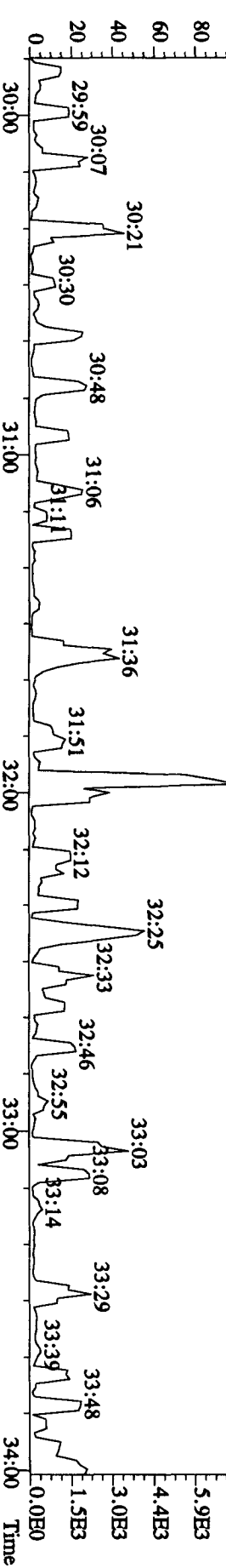
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,115732.0,1.00%,F,T)



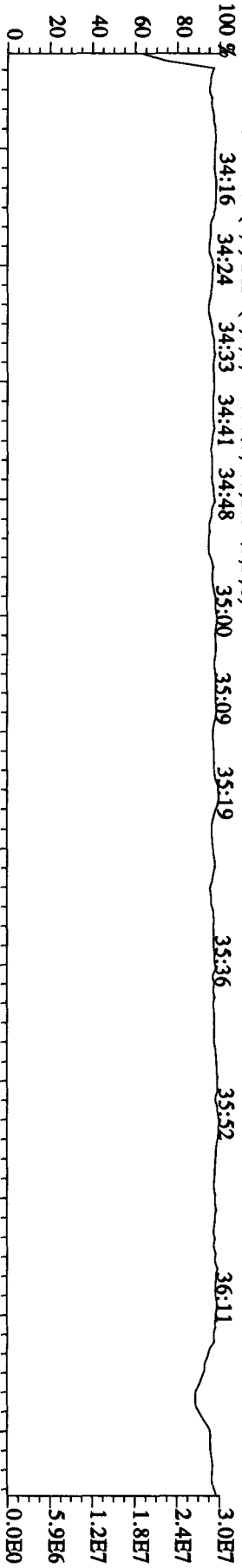
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,67696.0,1.00%,F,T)



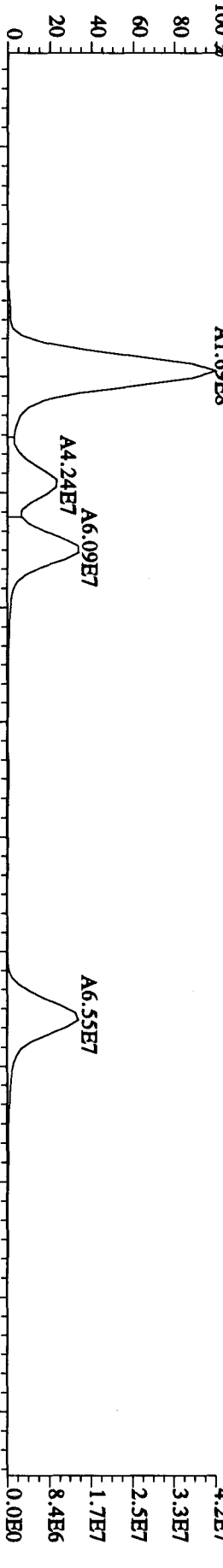
445.7555 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,212.0,1.00%,F,T)



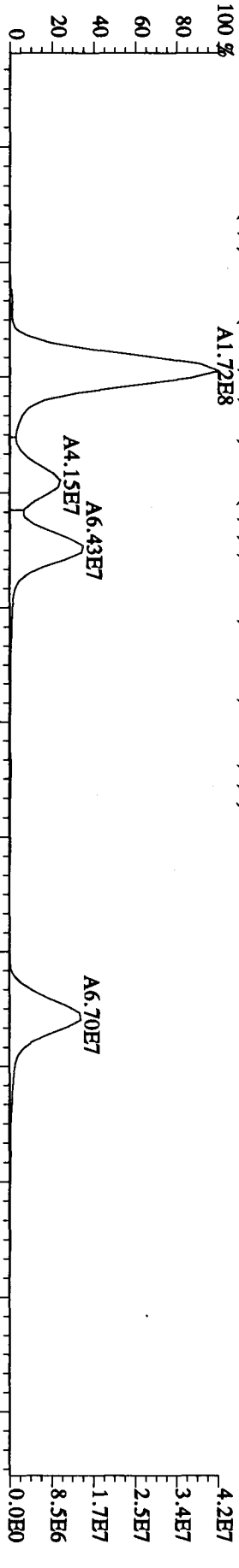
430.9728 S:6 F:4 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)
 100 % 34:16 34:24 34:33 34:41 34:48 35:00 35:09 35:19 35:36 35:52 36:11



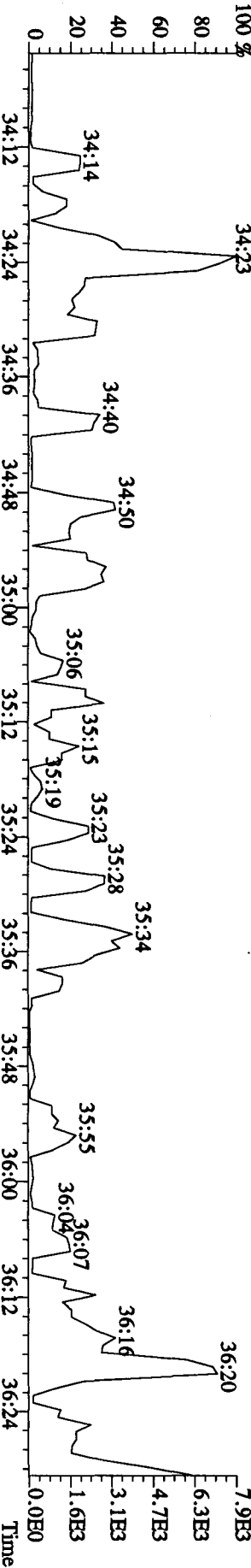
407.7818 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,27296,0,1.00%,F,T)
 100 % 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24



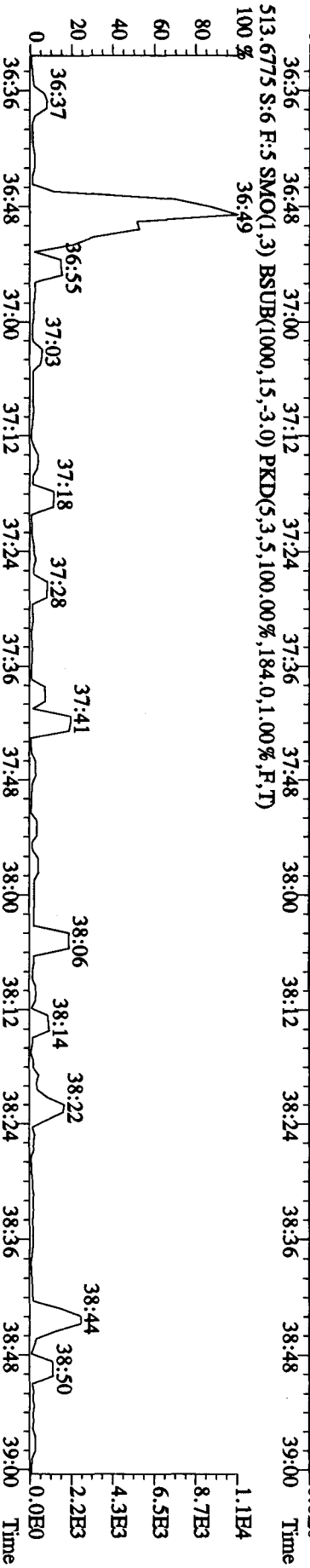
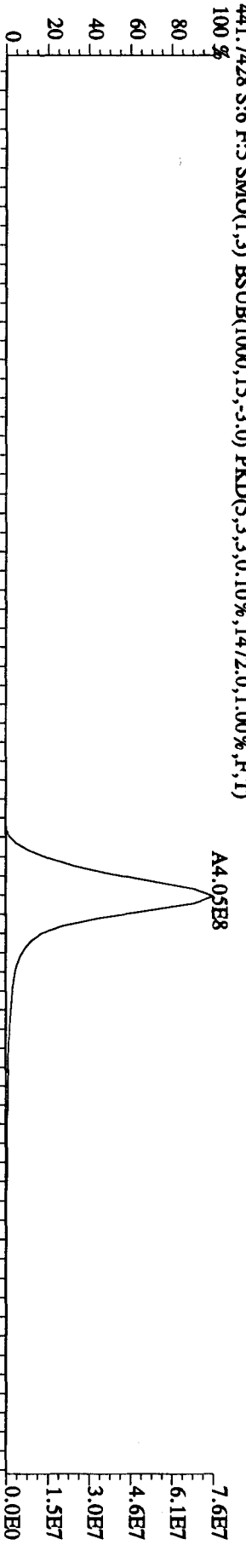
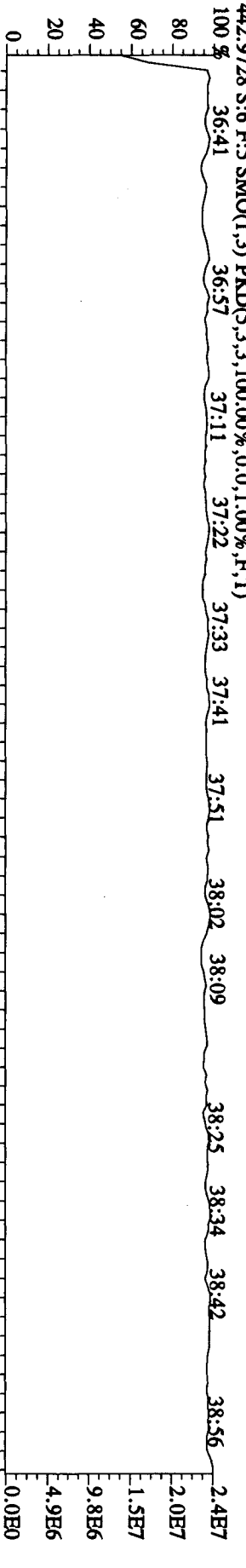
409.7789 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,15700,0,1.00%,F,T)
 100 % 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24



479.7165 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100.00%,136,0,1.00%,F,T)
 100 % 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24



File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 14:55:09 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text:LX3A0-1-AC :G0D160437-1 Exp:DIOXINRES8290A



Run text: LX3A0-1-AC Sample text: LX3A0-1-AC :GOD160437-1
 Run #21 Filename: 04MY105D2 S: 16 I: 1 Results: 04MY105D2DB225
 Acquired: 4-MAY-10 18:55:58 Processed: 4-MAY-10 19:23:17
 Run: 04MY105D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.08007g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	71803500	0.76 y	14:54	-	7.16	-	-	n
13C-2,3,7,8-TCDF	141209500	0.83 y	16:05	2.11	92.63	0.32	46.7	n
2,3,7,8-TCDF	91657500	0.80 y	16:05	1.09	118.32	0.33	-	n
13C-2,3,7,8-TCDD	77362500	0.75 y	14:42	0.95	112.69	0.37	56.8	n
2,3,7,8-TCDD	3090060	0.82 y	14:43	1.36	5.84	0.22	-	n
37Cl-2,3,7,8-TCDD	80244800	1.00 y	14:43	2.28	48.67	0.11	61.3	n

com. B

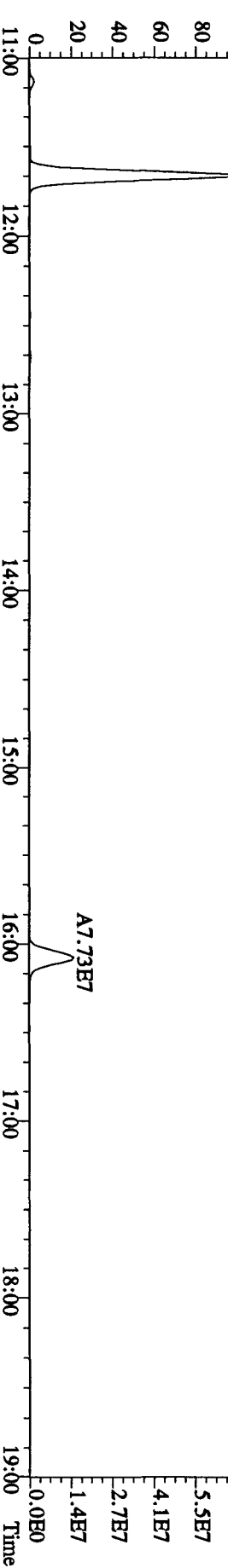
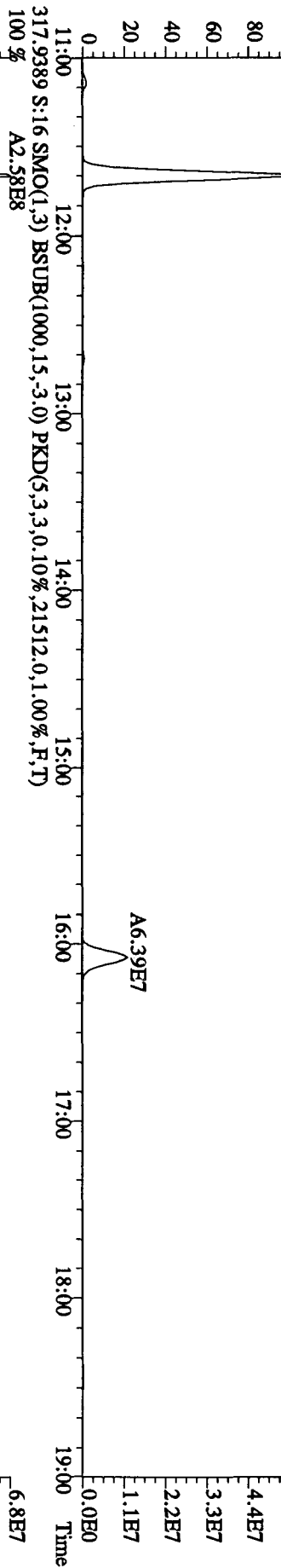
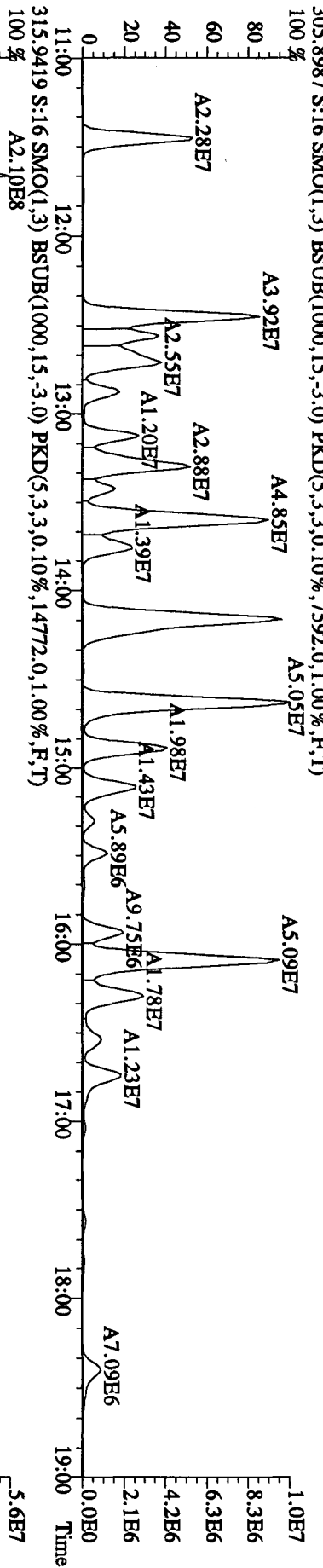
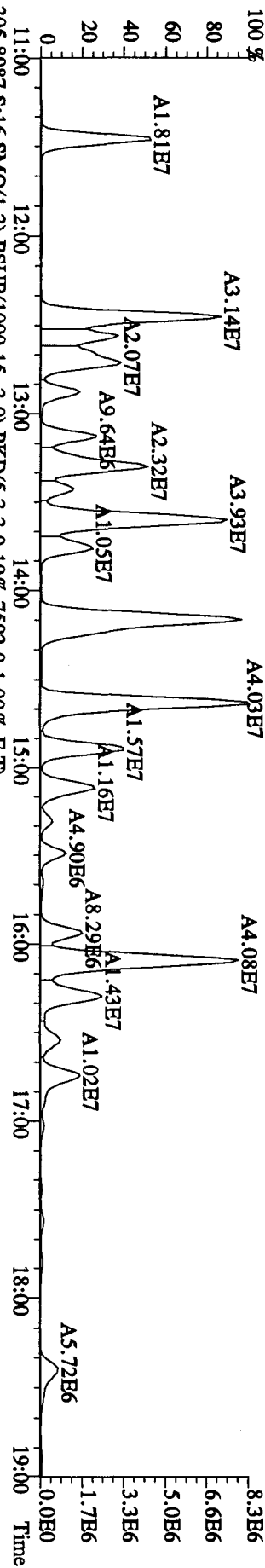
2/15 05/05/10

File:04MAY105ID2 #1-1242 Acq: 4-MAY-2010 18:55:58 GC EI+ Voltage SIR 70SE

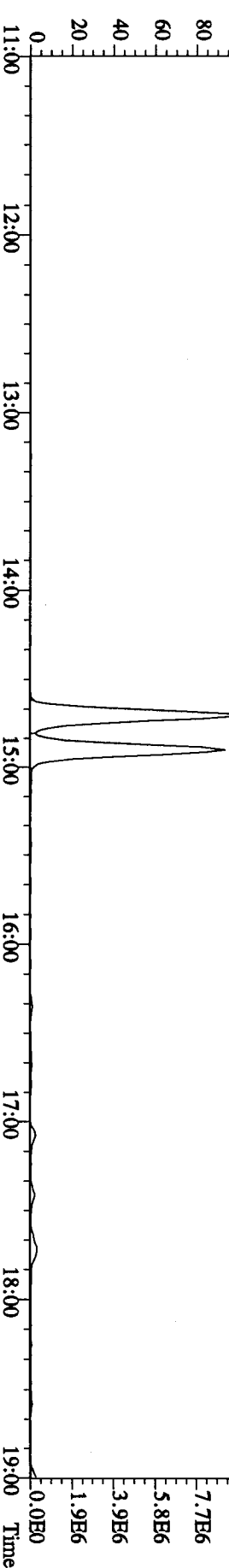
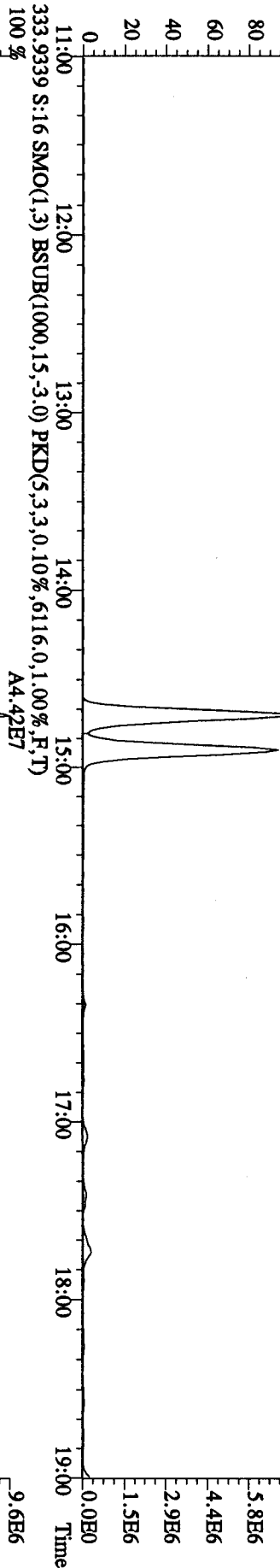
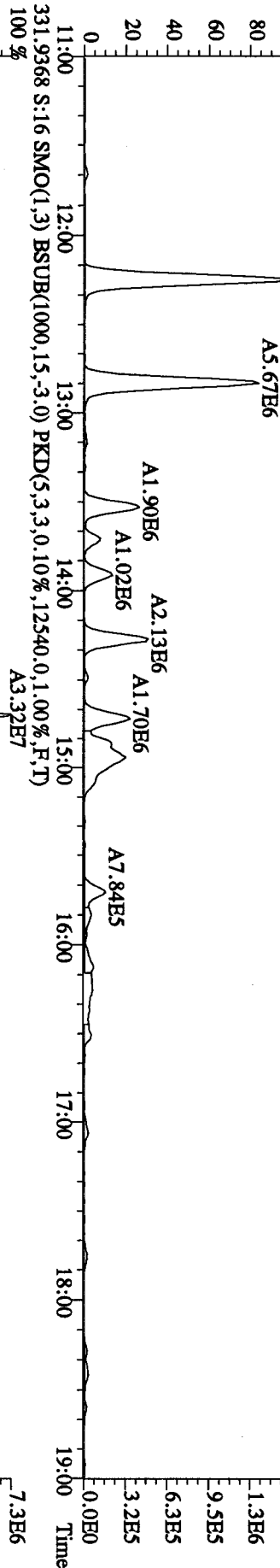
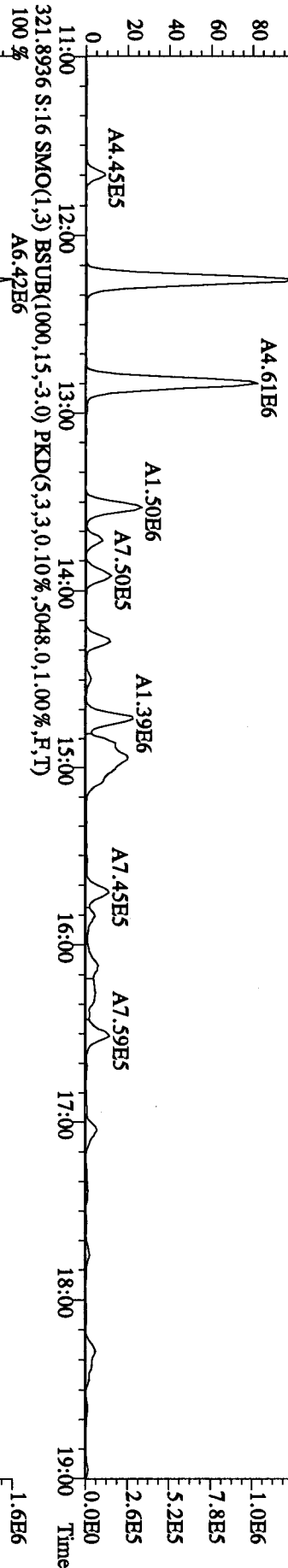
Sample#16 Text:LX3A0-1-AC :G0D160437-1

Exp:DB225RBS

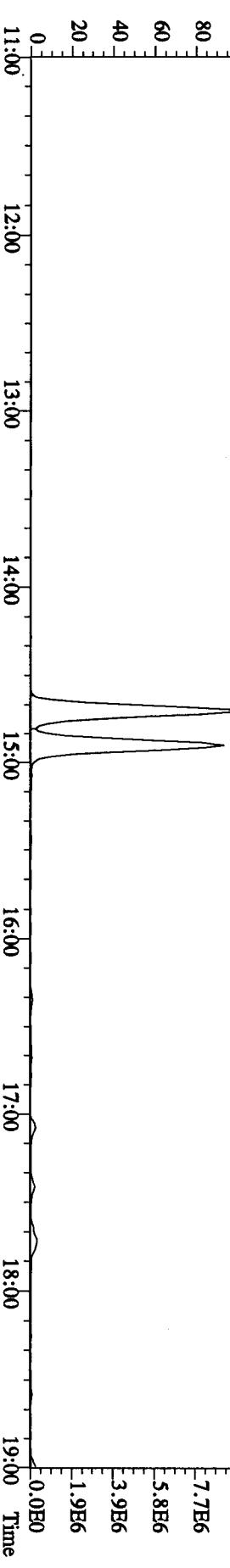
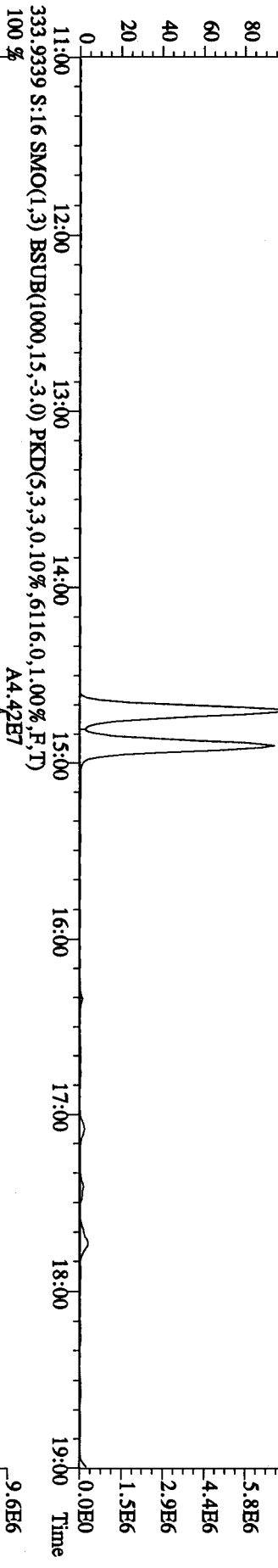
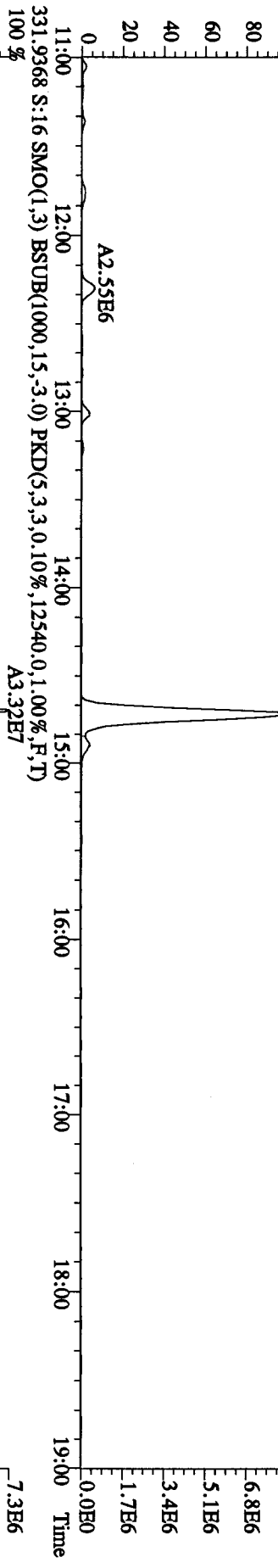
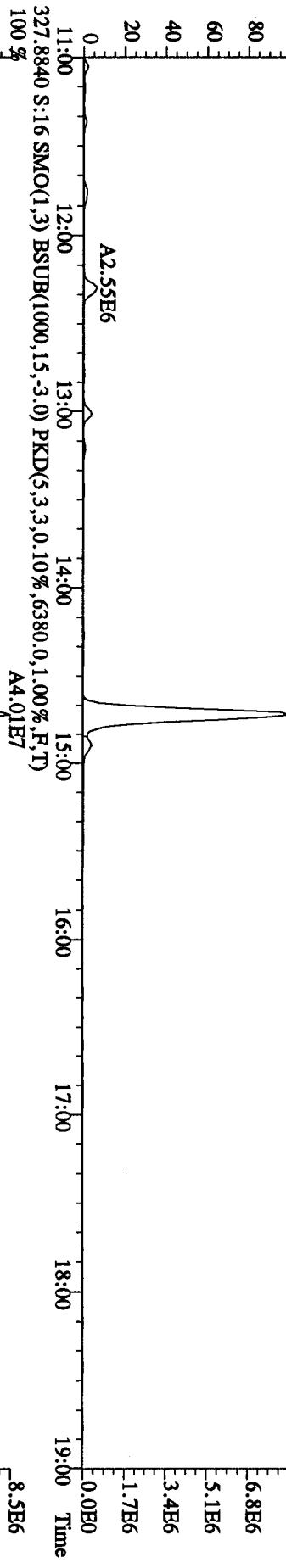
303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8508.0,1.00%,F,T)



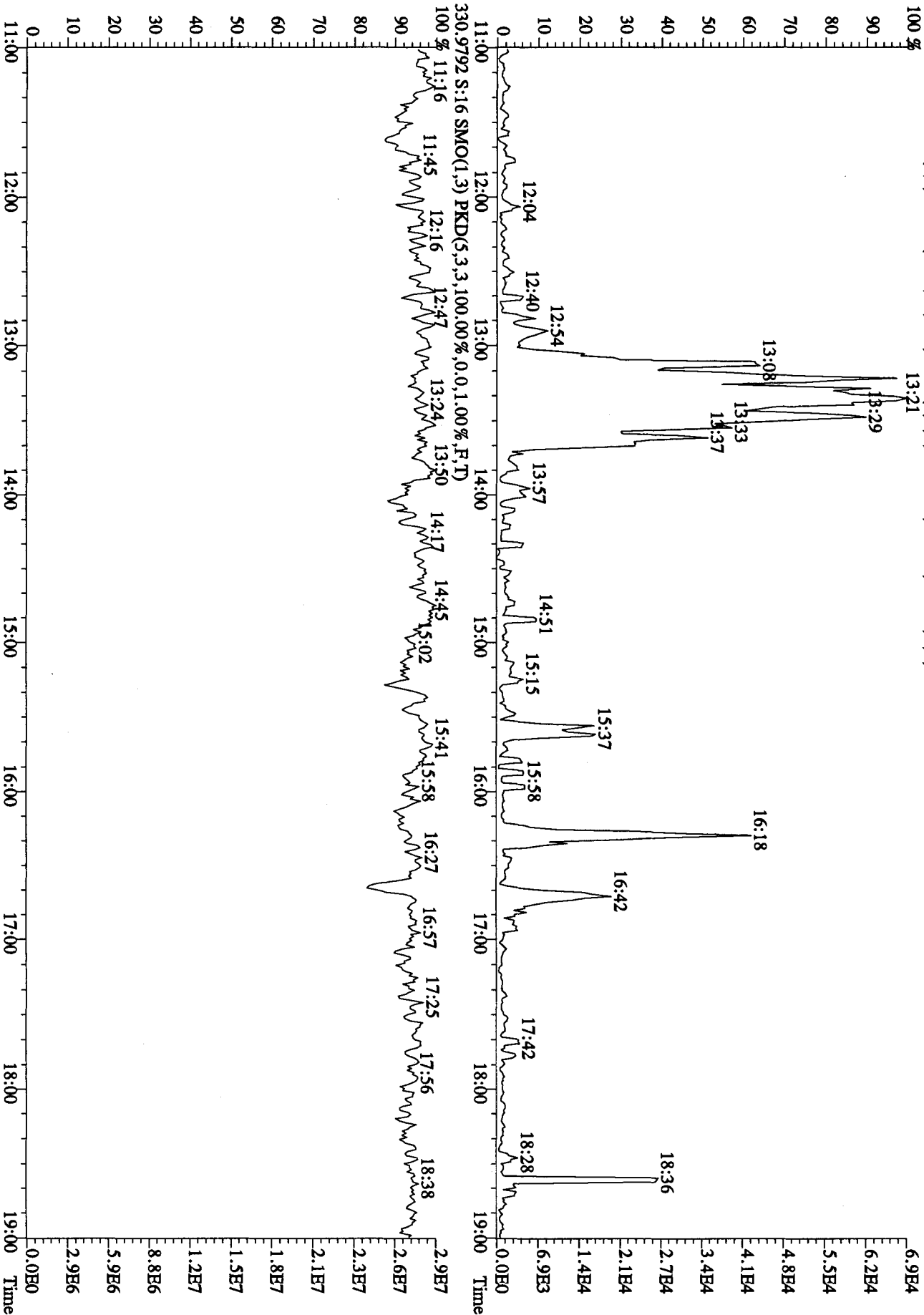
File:04MAY105D2 #1-1242 Acq: 4-MAY-2010 18:55:58 GC EI+ Voltage SIR 70SE
 Sample#16 Text:LX3A0-1-AC :G0D160437-1 Exp:DB225RES
 319.8965 S:16 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3528,0,1.00%,F,T)
 100 % AS.17E6



File:04MY105D2 #1-1242 Acq: 4-MAY-2010 18:55:58 GC EI+ Voltage SIR 70SE
 Sample#16 Text:LX3A0-1-AC :G0D160437-1 Exp:DB225RES
 327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6380.0,1.00%,F,T) A4.01E7



File:04MAY10SD2 #1-1242 Acq: 4-MAY-2010 18:55:58 GC EI+ Voltage SIR 70SE
 Sample#16 Text:LX3A0-1-AC :GOD160437-1 Exp:DB225RES
 375.8364 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1228.0,1.00%,F,T)



Run text: LX3A9-1-AC Sample text: LX3A9-1-AC :G0D160437-3
 Run #11 Filename: 03MY10A4D5 S: 7 I: 1 Results: 03MY10A4D58290ASY
 Acquired: 3-MAY-10 15:39:12 Processed: 4-MAY-10 09:51:50
 Run: 03MY10A4D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.16 g

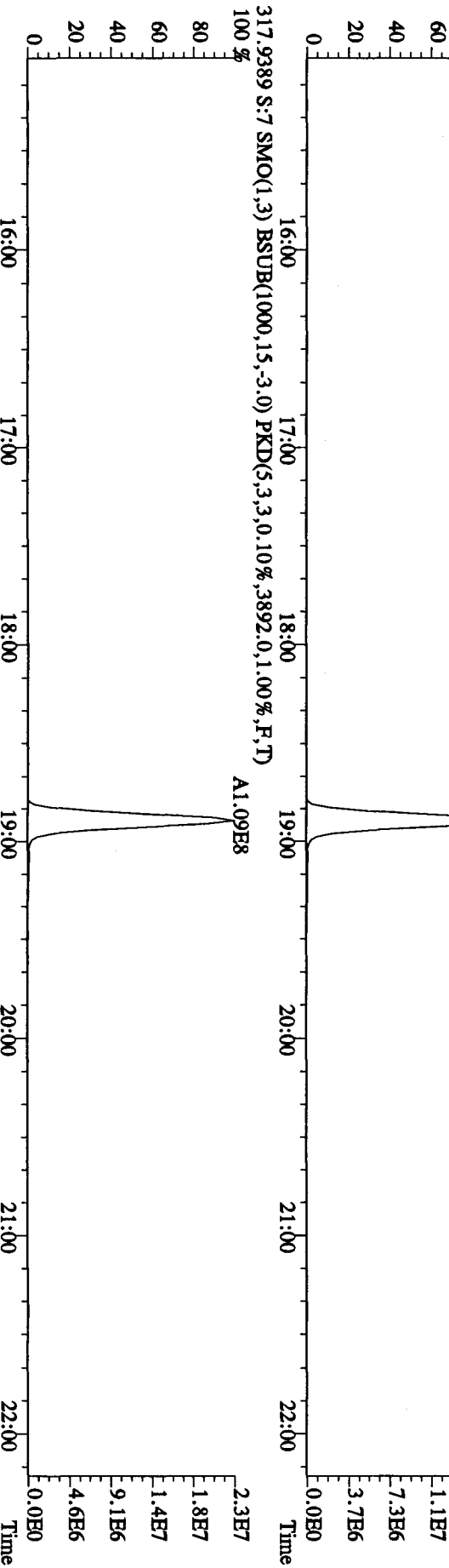
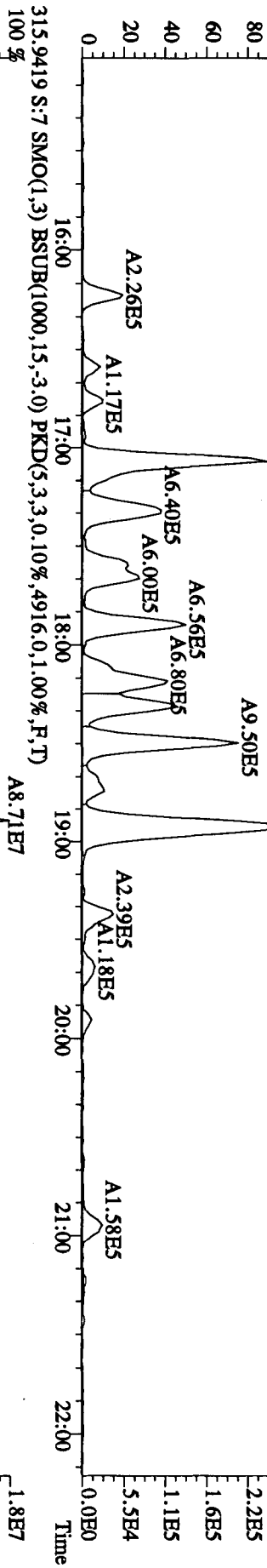
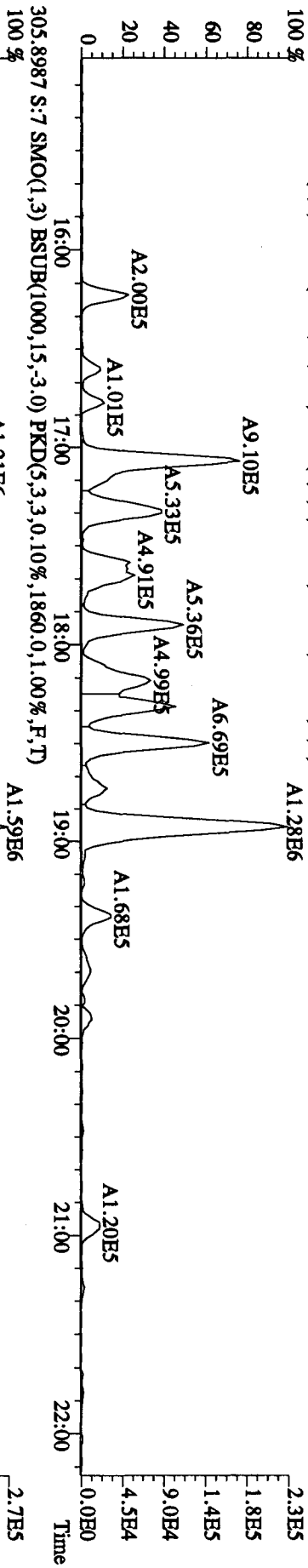
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	138759300	0.79 y	19:28	-	10.266	-	-	n
13C-2,3,7,8-TCDF	196335700	0.80 y	18:54	1.52	91.578	0.059	46.5	n
2,3,7,8-TCDF	2868830	0.80 y	18:56	0.95	3.043	0.046	-	n
Total TCDF	14571570	0.89 n	16:14	0.95	15.455	0.046	-	n
13C-2,3,7,8-TCDD	142046200	0.79 y	19:40	0.95	106.095	0.094	53.9	n
2,3,7,8-TCDD	43312	0.27 n	19:42	1.02	0.059	0.039	-	y
Total TCDD	1428121	0.59 n	15:55	1.02	1.938	0.039	-	y
37Cl-2,3,7,8-TCDD	149667000	1.00 y	19:41	2.26	46.947	0.019	59.6	n
13C-1,2,3,7,8-PeCDF	162347100	1.59 y	24:32	1.05	109.639	0.174	55.7	n
1,2,3,7,8-PeCDF	2219598	1.63 y	24:34	1.04	2.576	0.134	-	n
2,3,4,7,8-PeCDF	1160981	1.59 y	26:02	0.98	1.433	0.143	-	n
Total F2 PeCDF	15286339	1.63 y	22:47	1.01	18.254	0.138	-	n
Total F1 PeCDF	1365962	1.61 y	21:17	1.01	1.634	0.094	-	n
13C-1,2,3,7,8-PeCDD	121825400	1.58 y	26:50	0.67	128.885	0.087	65.5	n
1,2,3,7,8-PeCDD	168193	1.50 y	26:52	0.98	0.277	0.044	-	n
Total PeCDD	1477115	1.51 y	23:13	0.98	2.431	0.044	-	n
13C-1,2,3,7,8,9-HxCDD	116610000	1.22 y	33:04	-	11.169	-	-	n
13C-1,2,3,4,7,8-HxCDF	118348300	0.53 y	31:54	1.02	97.469	0.051	49.5	n
1,2,3,4,7,8-HxCDF	4461740	1.28 y	31:54	1.21	6.120	0.119	-	n
1,2,3,6,7,8-HxCDF	2839180	1.31 y	32:02	1.34	3.517	0.107	-	n
2,3,4,6,7,8-HxCDF	630998	1.38 y	32:35	1.22	0.859	0.118	-	y
1,2,3,7,8,9-HxCDF	486994	1.20 y	33:15	1.09	0.741	0.132	-	y
Total HxCDF	17977411	1.24 y	30:30	1.22	24.295	0.118	-	y
13C-1,2,3,6,7,8-HxCDD	112544700	1.26 y	32:48	0.81	117.702	0.242	59.8	n
1,2,3,4,7,8-HxCDD	128608	1.20 y	32:44	1.01	0.223	0.047	-	y
1,2,3,6,7,8-HxCDD	271362	1.27 y	32:49	1.11	0.426	0.043	-	y
1,2,3,7,8,9-HxCDD	310395	1.41 y	33:04	1.21	0.449	0.040	-	y
Total HxCDD	1549448	1.00 n	31:20	1.11	2.421	0.043	-	y
13C-1,2,3,4,6,7,8-HpCDF	104328100	0.44 y	34:35	0.86	102.086	0.239	51.9	n
1,2,3,4,6,7,8-HpCDF	8422320	1.02 y	34:35	1.31	12.134	0.118	-	n
1,2,3,4,7,8,9-HpCDF	2804070	0.93 y	35:43	1.03	5.159	0.150	-	n
Total HpCDF	16104795	1.02 y	34:35	1.17	25.176	0.132	-	n
13C-1,2,3,4,6,7,8-HpCDD	98296200	1.09 y	35:24	0.70	118.950	0.392	60.4	n
1,2,3,4,6,7,8-HpCDD	758504	1.00 y	35:24	1.07	1.417	0.080	-	n
Total HpCDD	1341737	1.32 n	34:22	1.07	2.507	0.080	-	n
13C-OCDD	122766800	0.91 y	37:53	0.53	195.003	0.346	49.5	n
OCDF	13682640	0.88 y	38:00	1.45	30.359	0.138	-	n

OCDD 1194684 0.87 y 37:54 1.17 J 3.285 / 0.151 - n

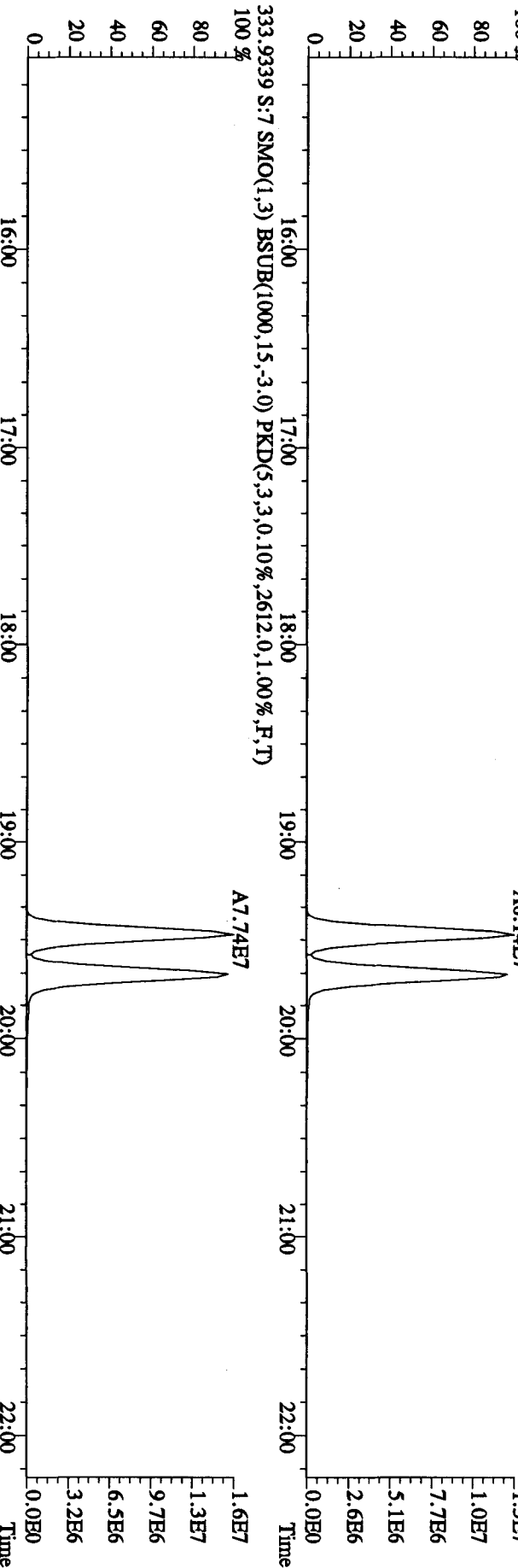
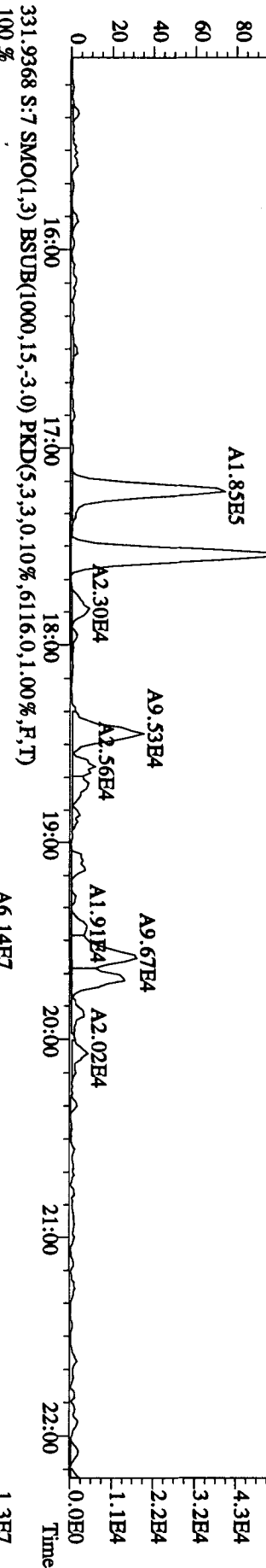
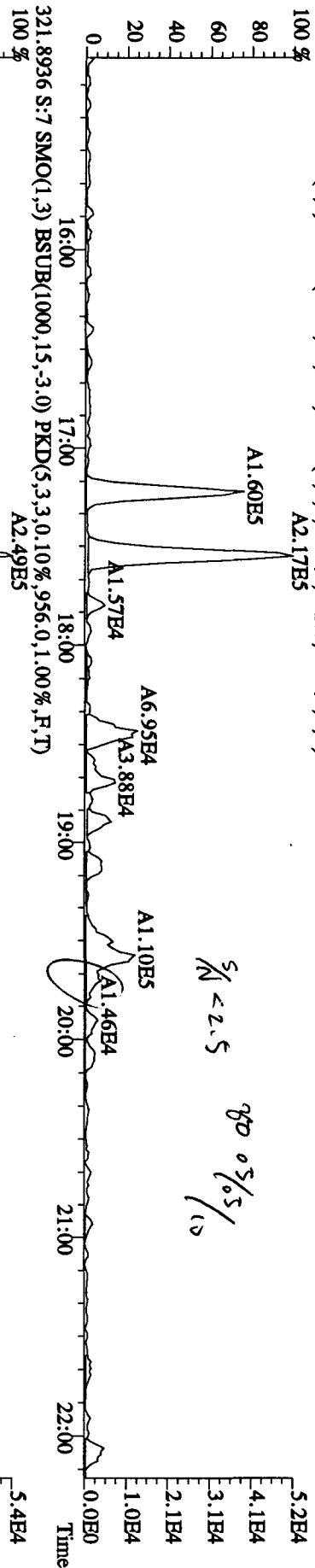
Run text: LX3A9-1-AC Sample text: LX3A9-1-AC :G0D160437-3
 Run #11 Filename: 03MY10A4D5 S: 7 I: 1 Results: 03MY10A4D58290A
 Acquired: 3-MAY-10 15:39:12 Processed: 4-MAY-10 09:51:50
 Run: 03MY10A4D5 Analyte: 8290AHRS Cal: 8290A0412104D5
 Sample size: 10.16 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	138759300	0.79 y	19:28	-	10.2657	-	-	n
13C-2,3,7,8-TCDF	196335700	0.80 y	18:54	1.52	91.5776	0.0592	46.5	n
2,3,7,8-TCDF	2868830	0.80 y	18:56	0.95	3.0427	0.0456	-	n
Total TCDF	14571570	0.89 n	16:14	0.95	15.4549	0.0456	-	n
13C-2,3,7,8-TCDD	142046200	0.79 y	19:40	0.95	106.0945	0.0939	53.9	n
2,3,7,8-TCDD	*	* n	NotFnd	1.02	*	0.0395	-	n
Total TCDD	1375307	0.59 n	15:55	1.02	1.8667	0.0395	-	n
37Cl-2,3,7,8-TCDD	149667000	1.00 y	19:41	2.26	46.9475	0.0193	59.6	n
13C-1,2,3,7,8-PeCDF	162347100	1.59 y	24:32	1.05	109.6390	0.1739	55.7	n
1,2,3,7,8-PeCDF	2219598	1.63 y	24:34	1.04	2.5760	0.1342	-	n
2,3,4,7,8-PeCDF	1160981	1.59 y	26:02	0.98	1.4333	0.1427	-	n
Total F2 PeCDF	15286339	1.63 y	22:47	1.01	18.2538	0.1383	-	n
Total F1 PeCDF	1365962	1.61 y	21:17	1.01	1.6343	0.0936	-	n
13C-1,2,3,7,8-PeCDD	121825400	1.58 y	26:50	0.67	128.8854	0.0872	65.5	n
1,2,3,7,8-PeCDD	168193	1.50 y	26:52	0.98	0.2768	0.0435	-	n
Total PeCDD	1477115	1.51 y	23:13	0.98	2.4307	0.0435	-	n
13C-1,2,3,7,8,9-HxCDD	116610100	1.22 y	33:04	-	11.1694	-	-	n
13C-1,2,3,4,7,8-HxCDF	118348300	0.53 y	31:54	1.02	97.4690	0.0508	49.5	n
1,2,3,4,7,8-HxCDF	4461740	1.28 y	31:54	1.21	6.1200	0.1189	-	n
1,2,3,6,7,8-HxCDF	2839180	1.31 y	32:02	1.34	3.5169	0.1074	-	n
2,3,4,6,7,8-HxCDF	1554131	1.28 y	32:32	1.22	2.1149	0.1179	-	n
1,2,3,7,8,9-HxCDF	1232152	1.26 y	33:19	1.09	1.8760	0.1320	-	n
Total HxCDF	19645697	1.24 y	30:30	1.22	26.6860	0.1184	-	n
13C-1,2,3,6,7,8-HxCDD	112544700	1.26 y	32:48	0.81	117.7024	0.2419	59.8	n
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.01	*	0.0474	-	n
1,2,3,6,7,8-HxCDD	274449	0.85 n	32:49	1.11	0.4309	0.0429	-	n
1,2,3,7,8,9-HxCDD	288588	1.43 n	33:04	1.21	0.4175	0.0395	-	n
Total HxCDD	1402119	1.00 n	31:20	1.11	2.1707	0.0430	-	n
13C-1,2,3,4,6,7,8-HpCDF	104328100	0.44 y	34:35	0.86	102.0862	0.2386	51.9	n
1,2,3,4,6,7,8-HpCDF	8422320	1.02 y	34:35	1.31	12.1339	0.1175	-	n
1,2,3,4,7,8,9-HpCDF	2804070	0.93 y	35:43	1.03	5.1586	0.1501	-	n
Total HpCDF	16104795	1.02 y	34:35	1.17	25.1756	0.1318	-	n
13C-1,2,3,4,6,7,8-HpCDD	98296200	1.09 y	35:24	0.70	118.9504	0.3923	60.4	n
1,2,3,4,6,7,8-HpCDD	758504	1.00 y	35:24	1.07	1.4172	0.0795	-	n
Total HpCDD	1341737	1.32 n	34:22	1.07	2.5069	0.0795	-	n
13C-OCDD	122766800	0.91 y	37:53	0.53	195.0025	0.3465	49.5	n
OCDF	13682640	0.88 y	38:00	1.45	30.3585	0.1380	-	n
OCDD	1194684	0.87 y	37:54	1.17	3.2851	0.1506	-	n

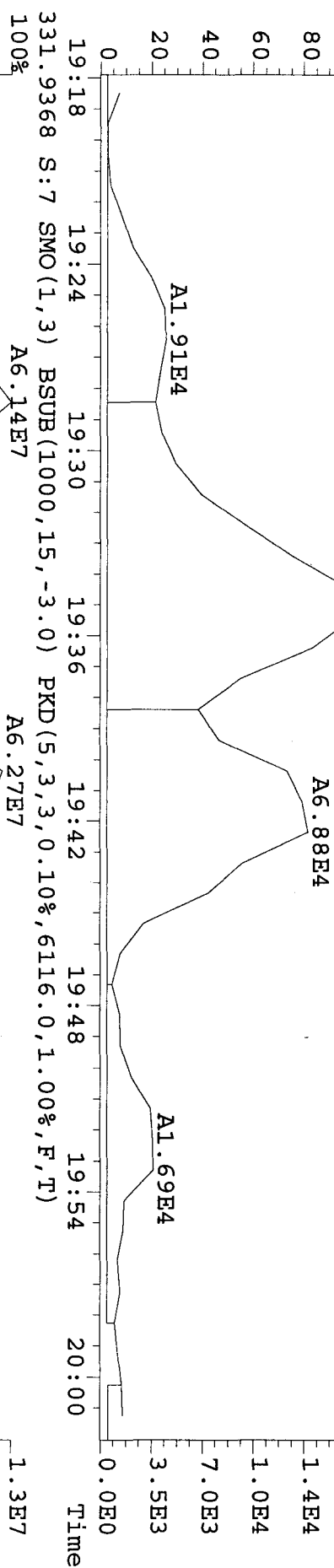
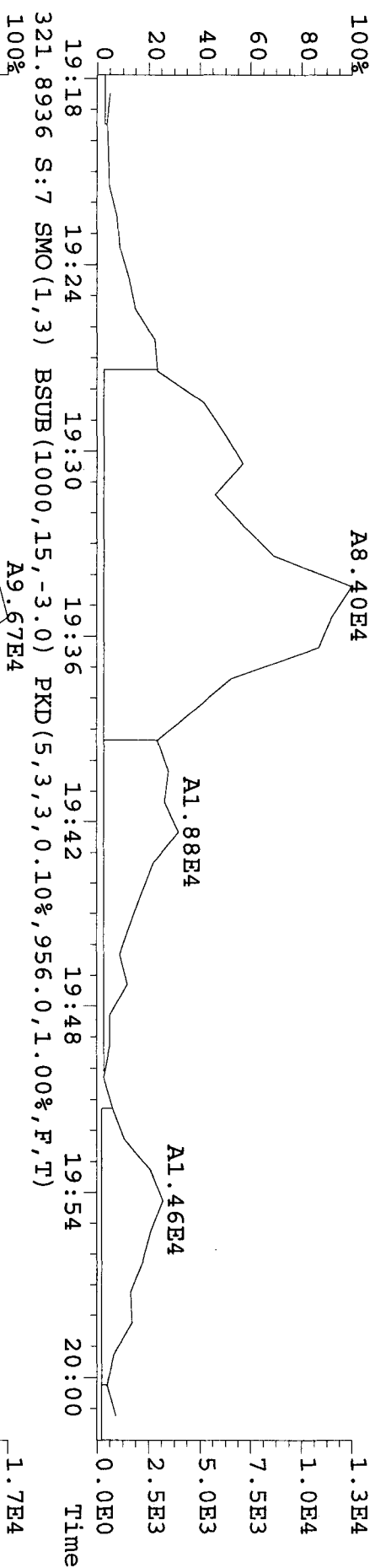
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LX3A9-1-AC :GDD160437-3 Exp:DIOXINRES8290A
 303.9016 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1144,0,1.00%,F,T)
 100 %



File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LX3A9-1-AC :GOD160437-3 Exp:DIOXINRES8290A
 319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,952.0,1.00%,F,T)
 100% A2.17E5



File: 03MY10A4D5 #1-434 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: LX3A9-1-AC :GOD160437-3 Exp: DIOXINRES8290A
 319.8965 S: 7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,952.0,1.00%,F,T)
 100% A8.40E4



Manual Edit Codes

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

Analyst GB Date 05/05/10

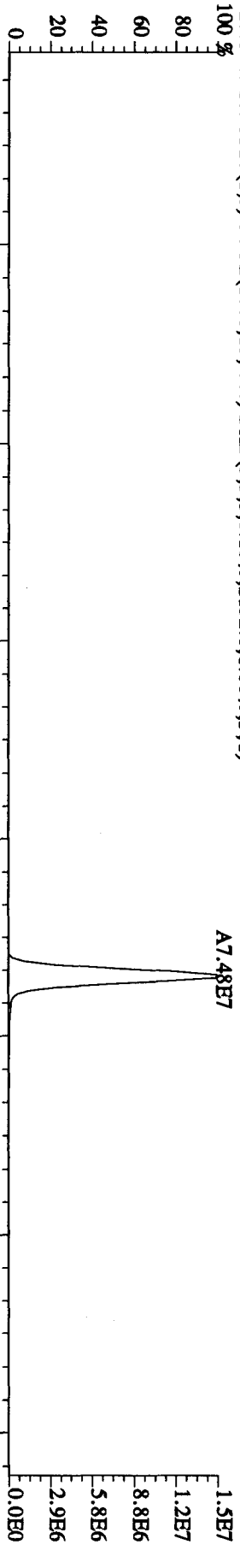
File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaB

Sample#7 Text:LX3A9-1-AC :GOD160437-3

Exp:DIOXINRES8290A

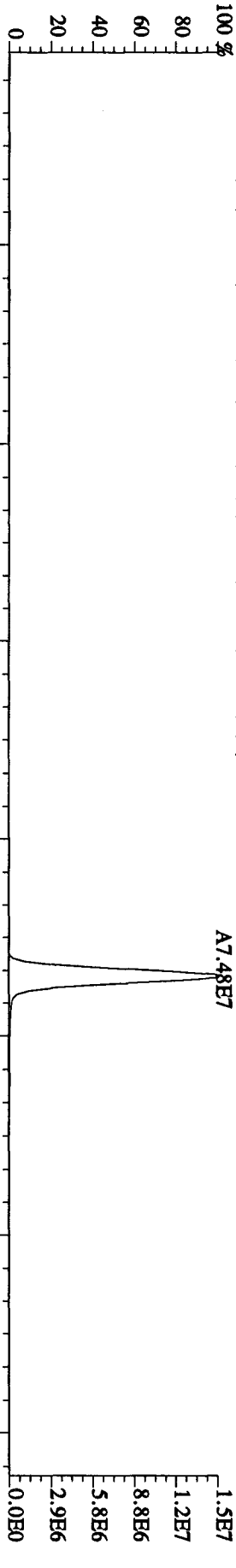
327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2132.0,1.00%,F,T)

100 %



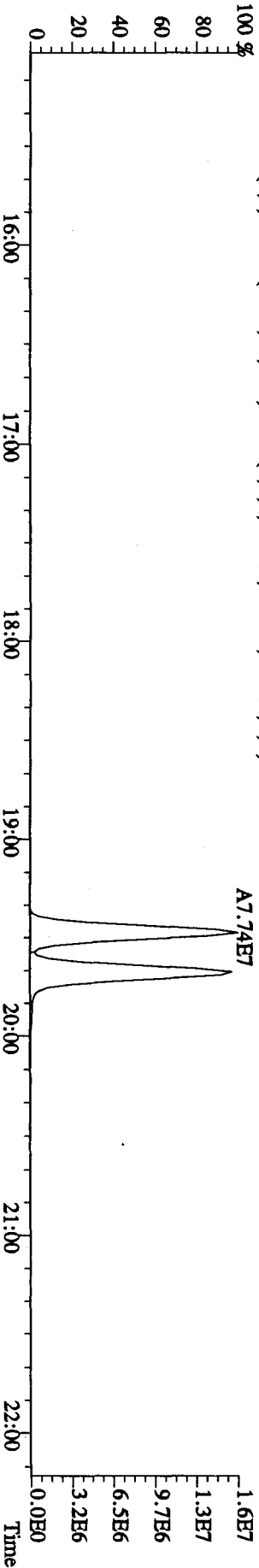
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6116.0,1.00%,F,T)

100 %

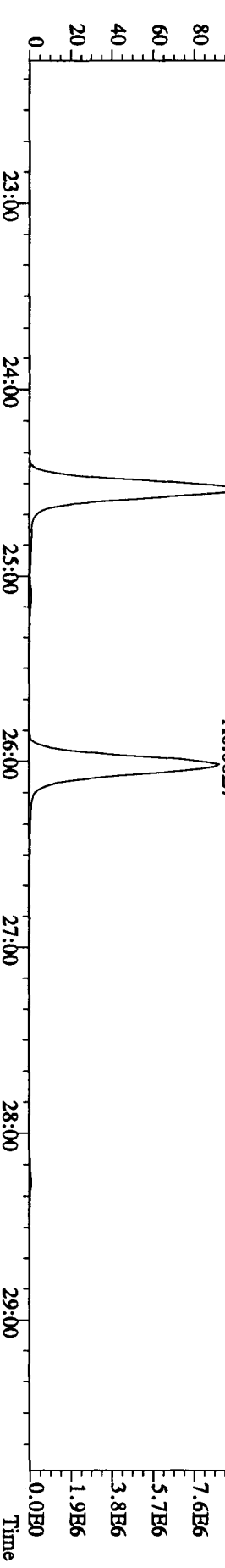
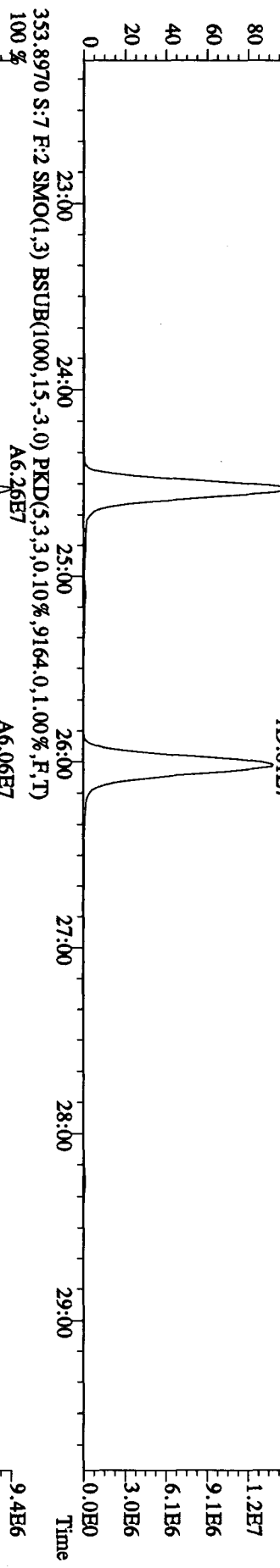
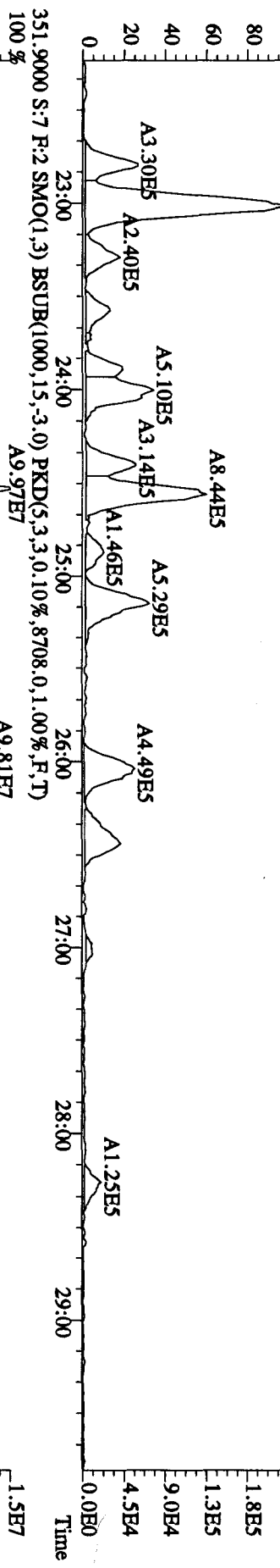
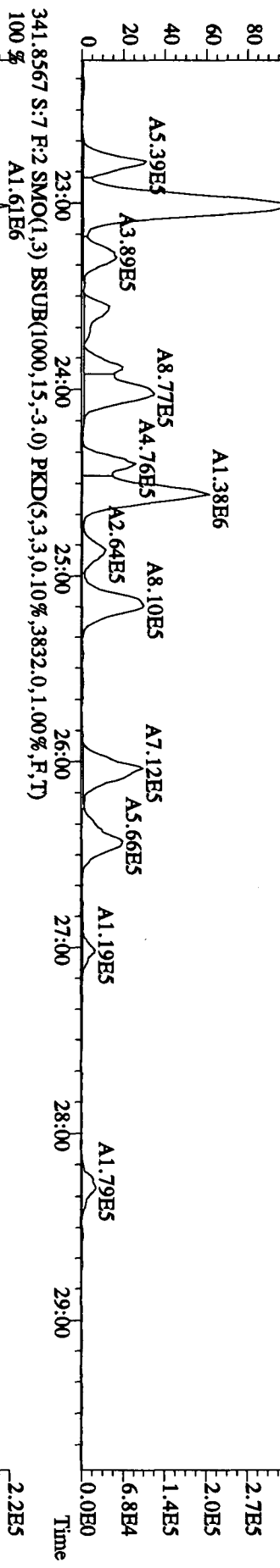


333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2612.0,1.00%,F,T)

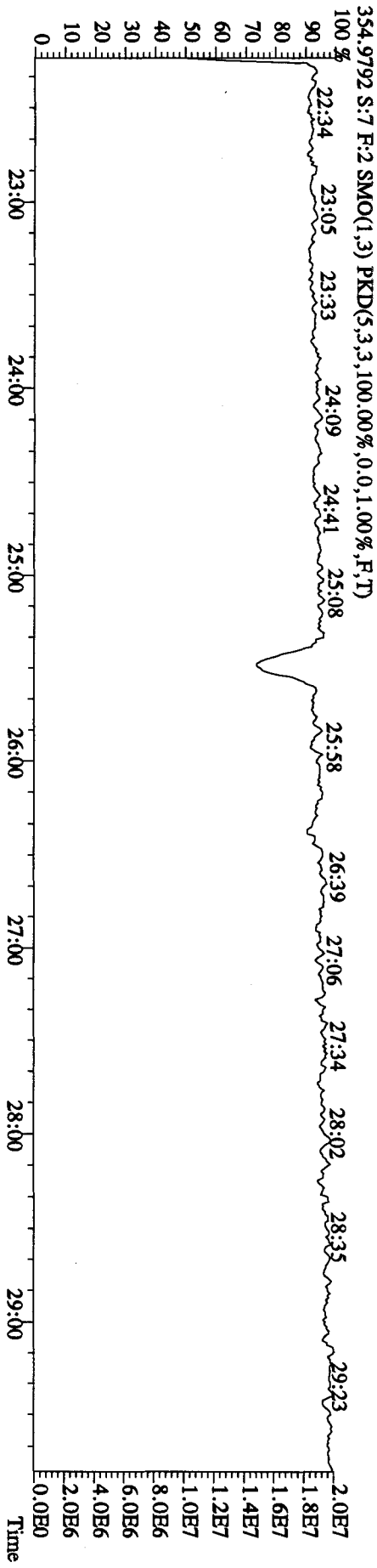
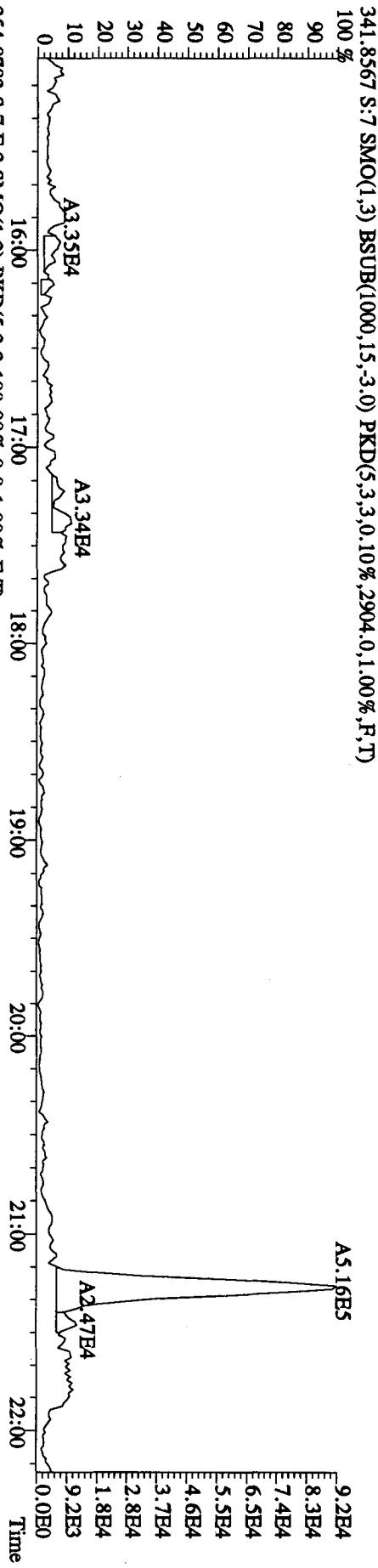
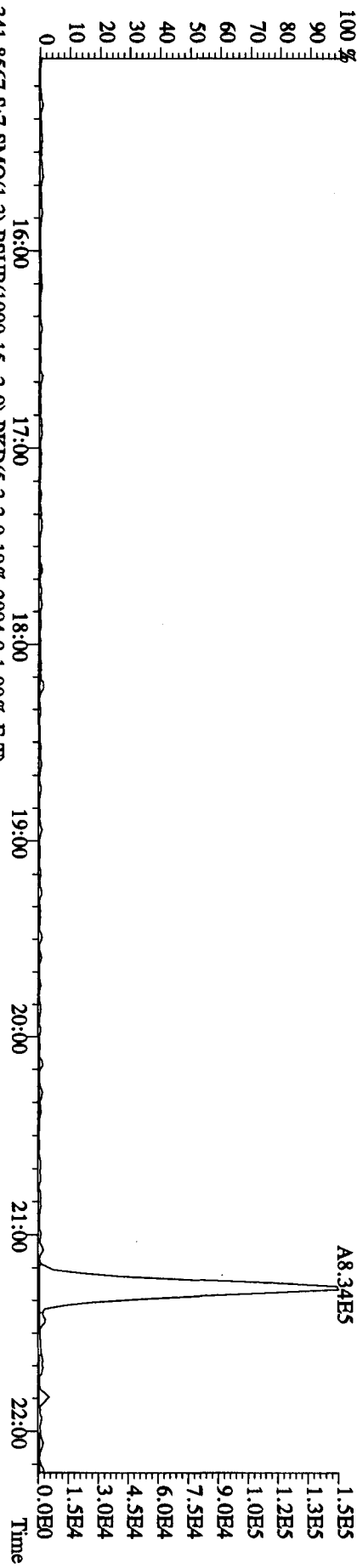
100 %



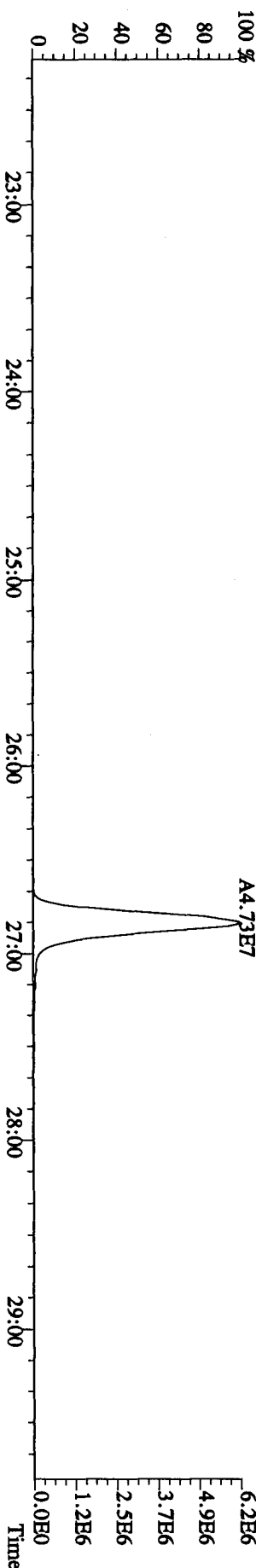
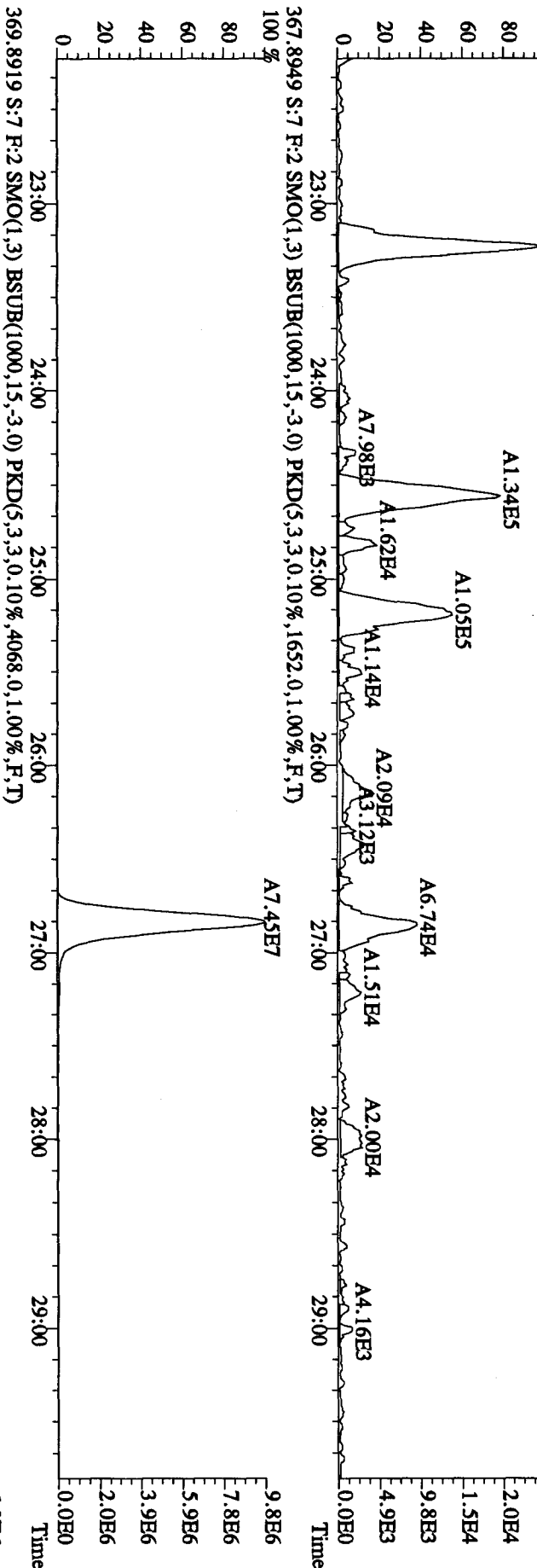
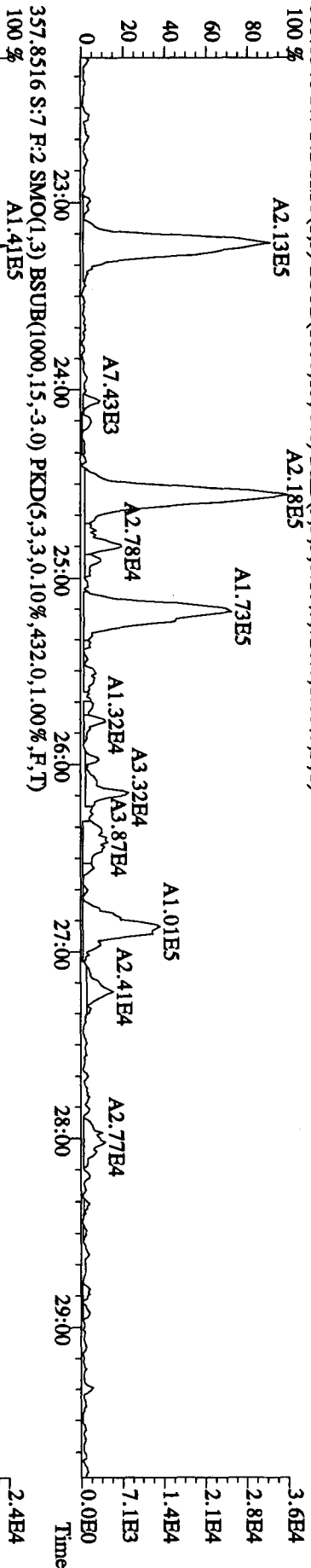
File:03MAY10A4D5 #1-604 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:LX3A9-1-AC :GOD160437-3 Exp:DIOXINRES8290A
 339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2004,0,1,1.00%,F,T)
 100 % A2.61E6



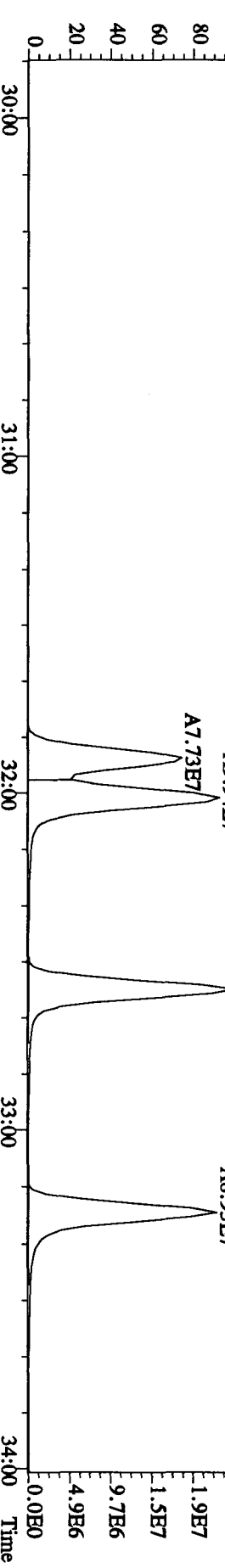
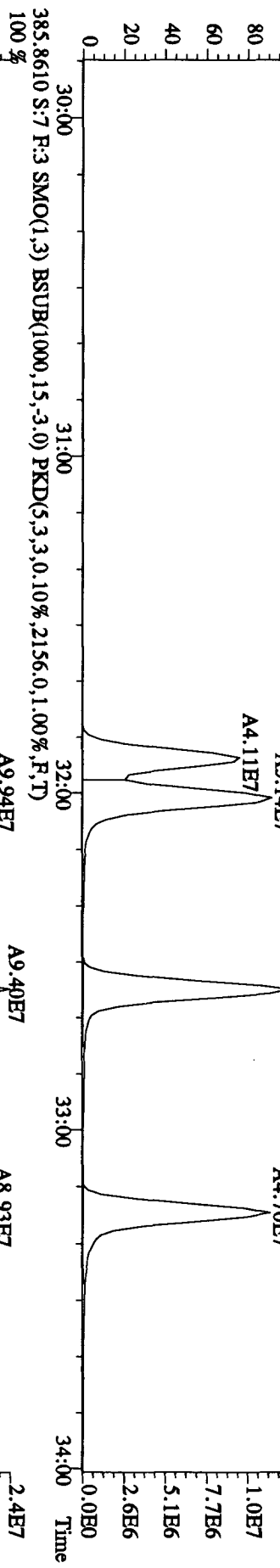
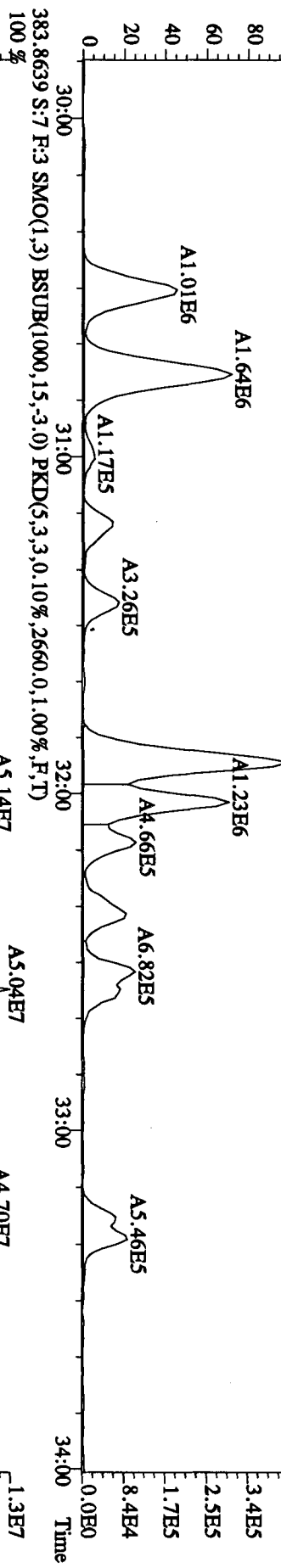
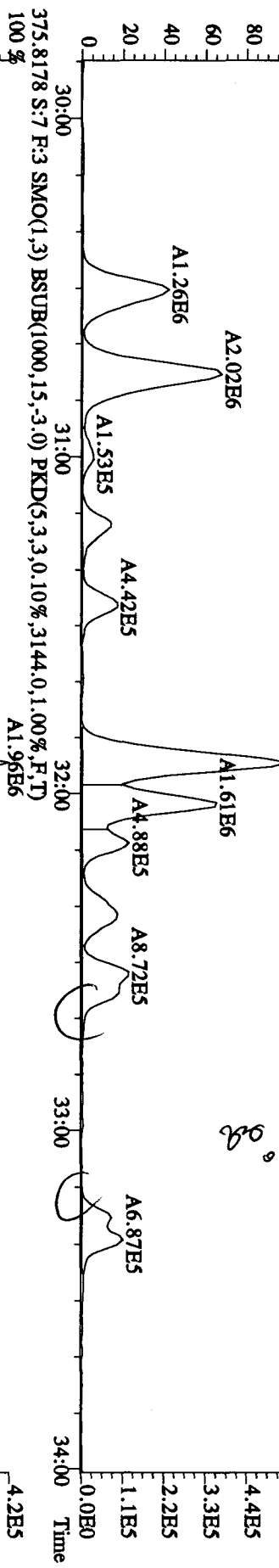
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LX3A9-1-AC :GOD160437-3 Exp:DIOXINRES8290A
 339.8597 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1044.0,1.00%,F,T)



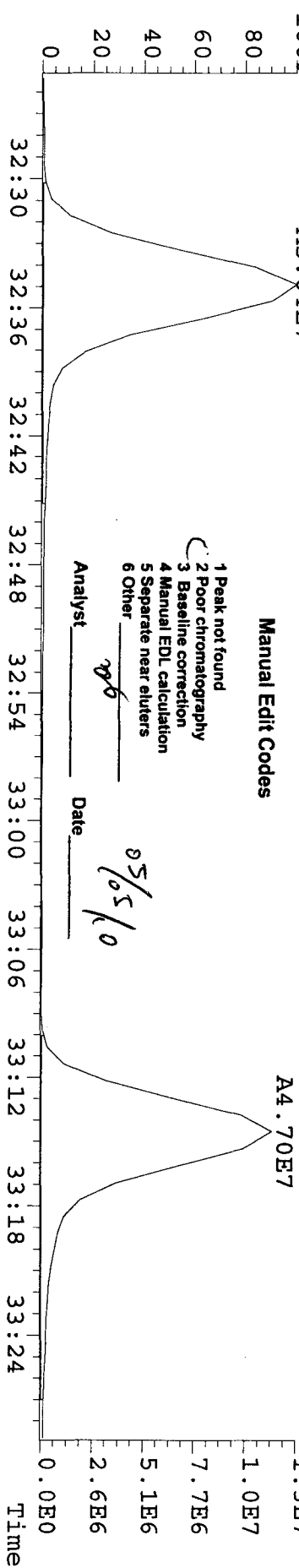
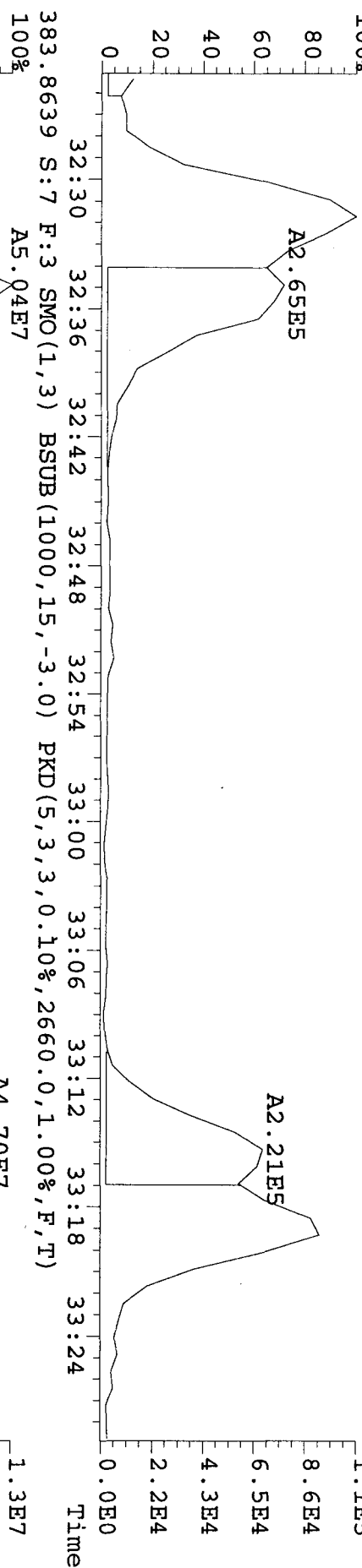
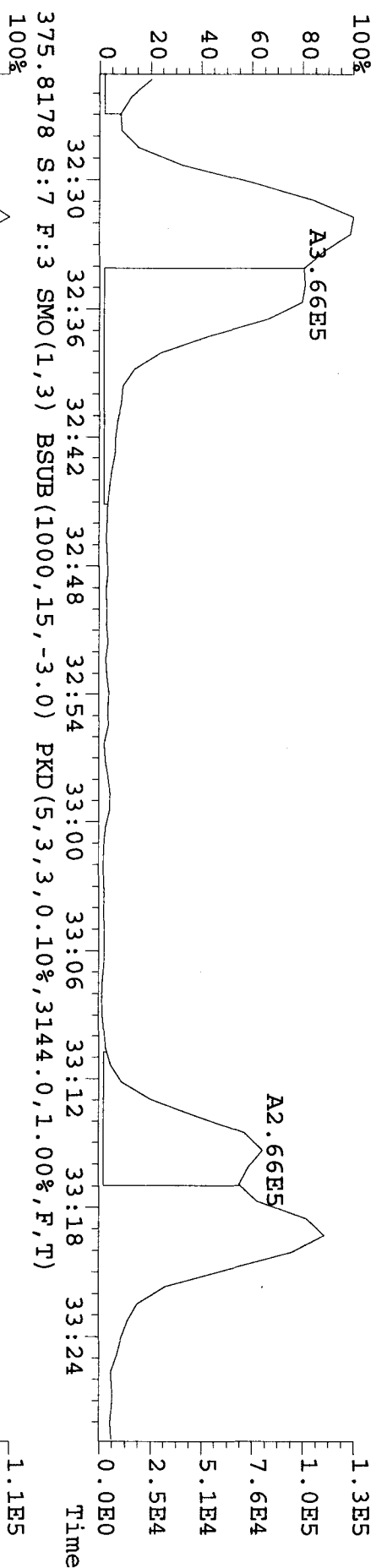
File:03MY10A4D5 #1-604 Acq: 3-MAY-2010 15:39:12 GC EI + Voltage SIR Autospec-Ultimate
 Sample#7 Text:LX3A9-1-AC :G0D160437-3 Exp:DIOXINRES8290A
 357.8516 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,720.0,1.00%,F,T)
 367.8949 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)
 369.8919 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4068.0,1.00%,F,T)



File:03MAY10A4D5 #1-317 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LX3A9-1-AC :GDD160437-3 Exp:DIOXINRES8290A
 373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3664.0,1.00%,F,T) 100%
 A2.51E6

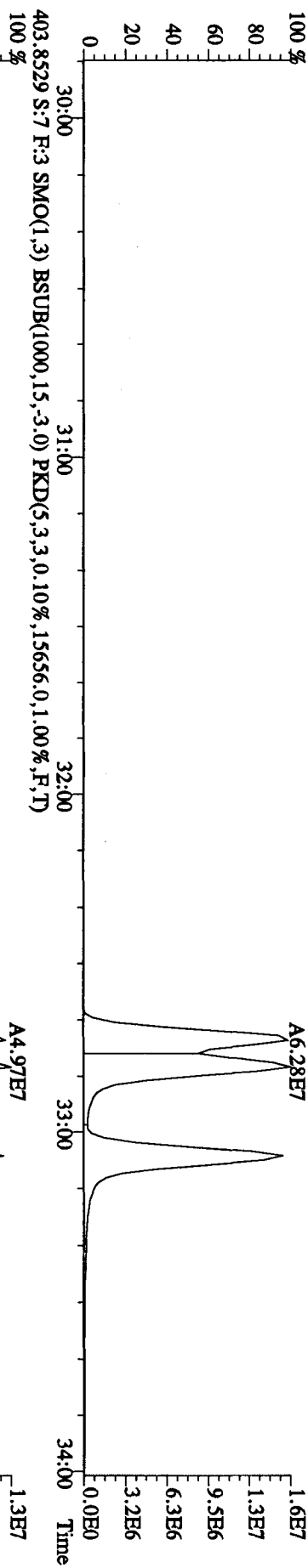
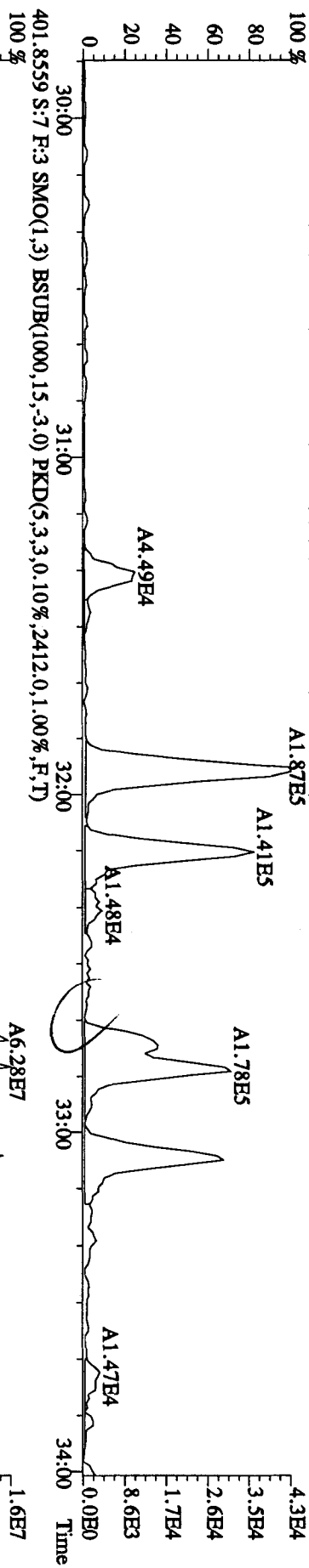
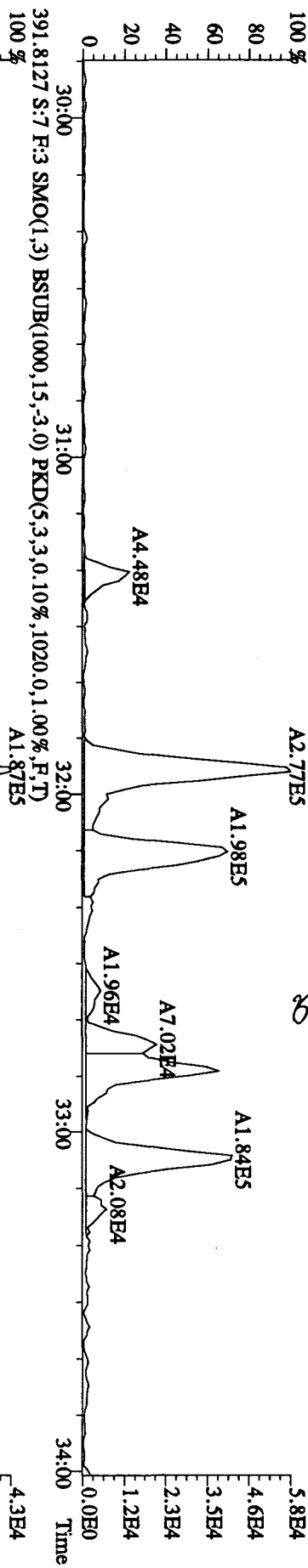


File: 03MY10A4D5 #1-317 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text: LX3A9-1-AC :GOD160437-3 Exp:DIOXINRES8290A
 373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3664.0,1.00%,F,T)



File:03MAY10A4D5 #1-317 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LX3A9-1-AC :GDD160437-3 Exp:DIOXINRES8290A
 389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1280.0,1.00%,F,T) A2.77E5
 100 %

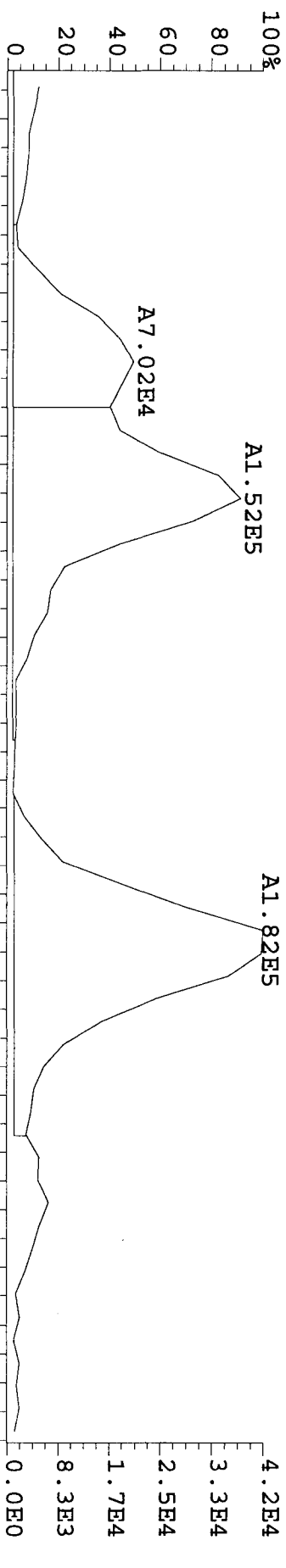
Handwritten: 2/5/10
 80



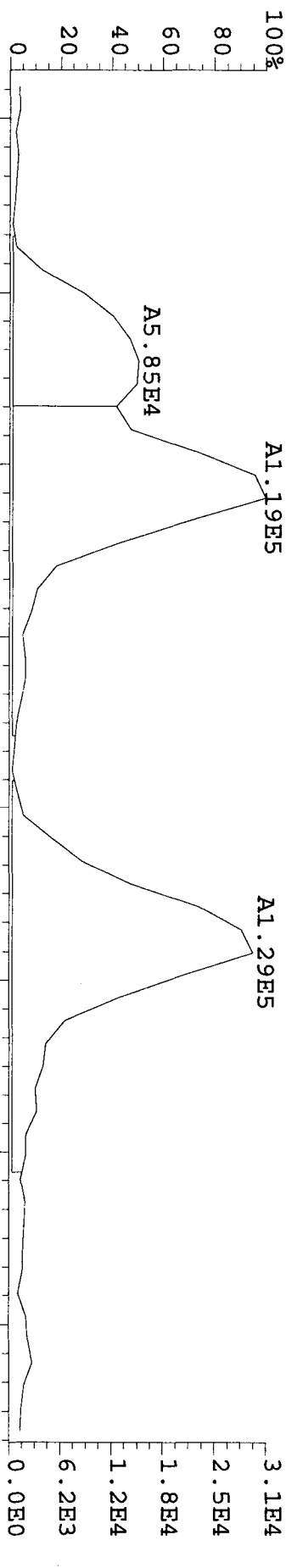
File: 03MY10A4D5 #1-317 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-Ultimate

Sample#7 Text: LX3A9-1-AC :G0D160437-3 Exp:DIOXINRES8290A

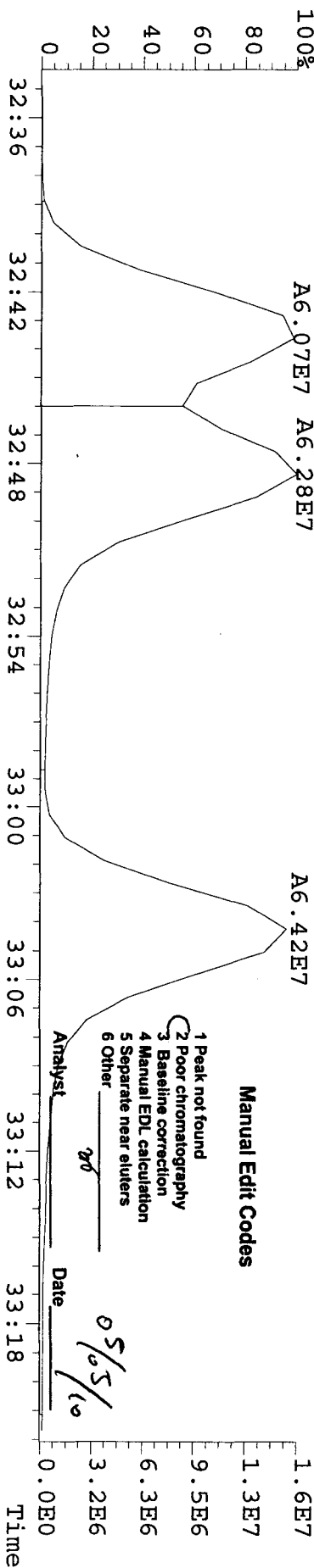
389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1280.0,1.00%,F,T)



391.8127 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1020.0,1.00%,F,T)



401.8559 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2412.0,1.00%,F,T)



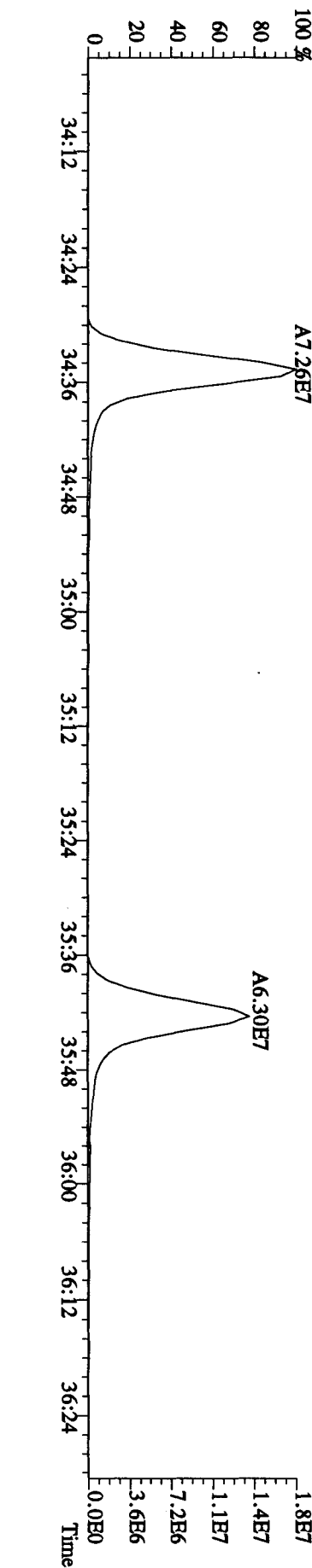
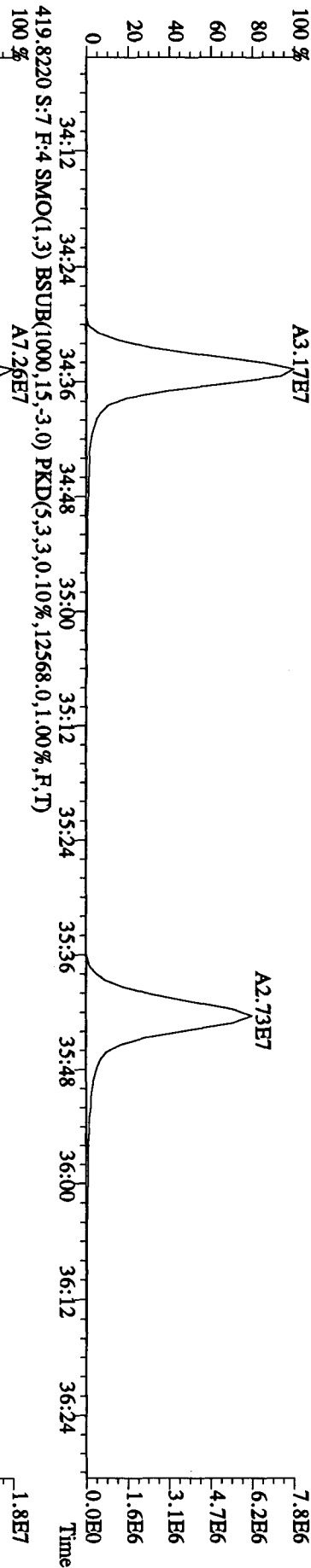
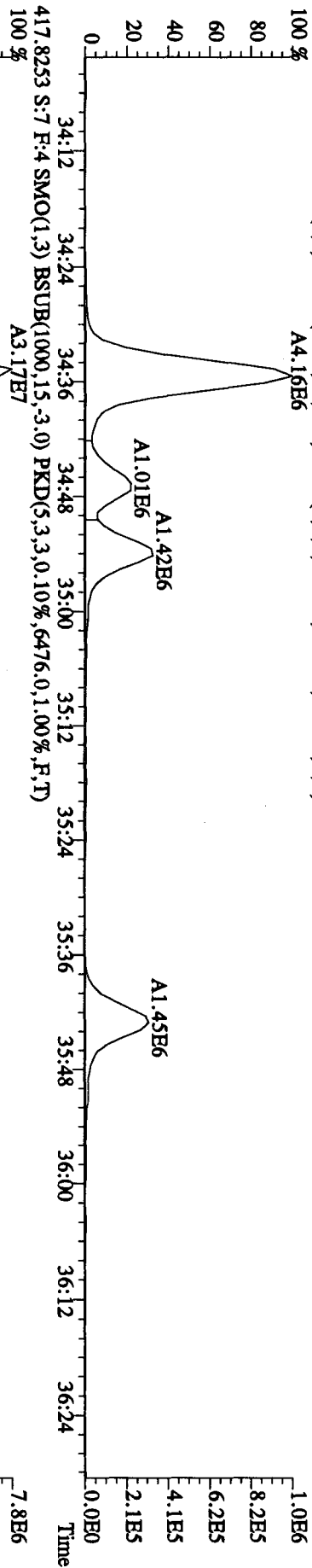
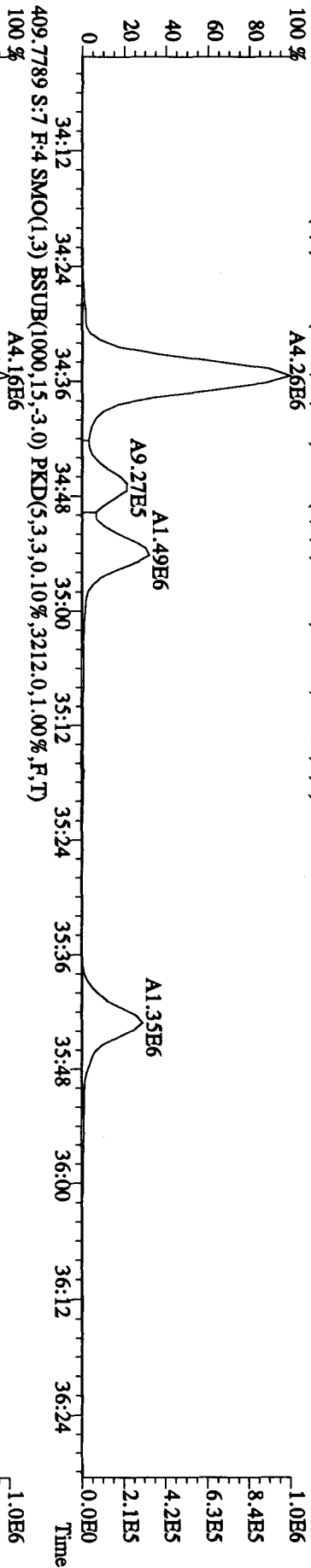
Manual Edit Codes

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

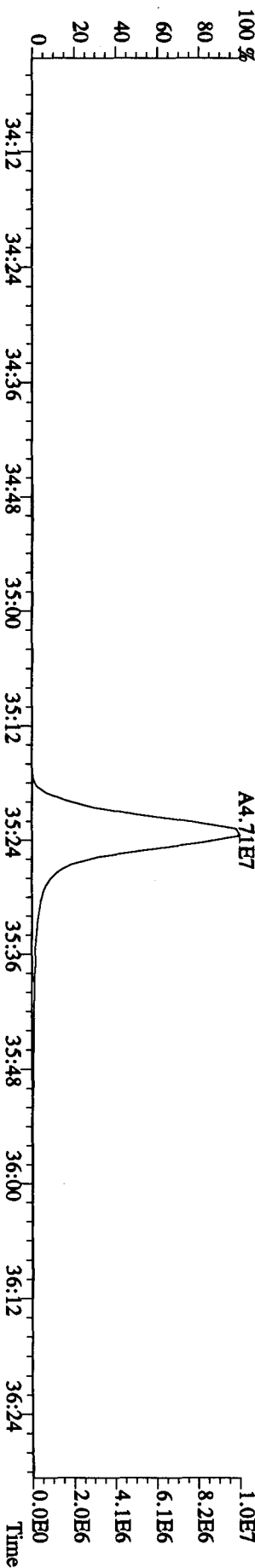
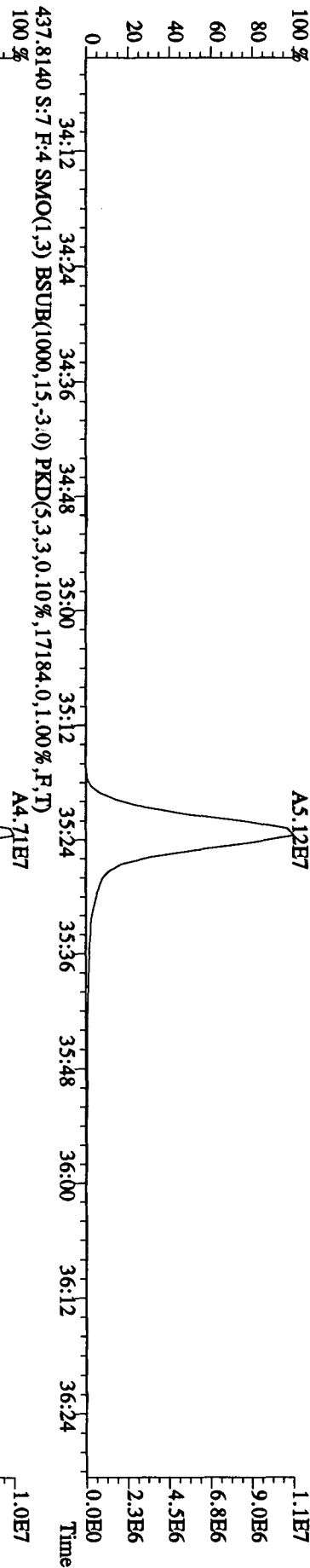
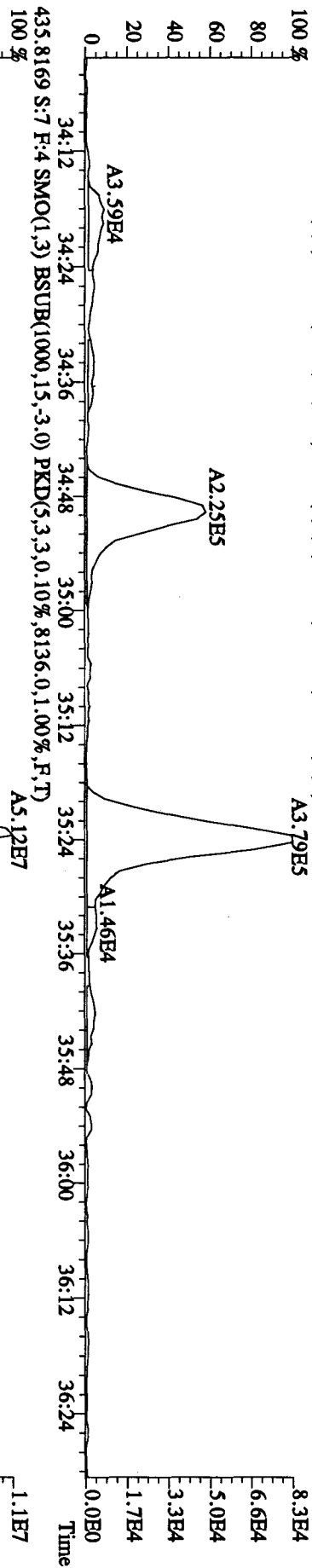
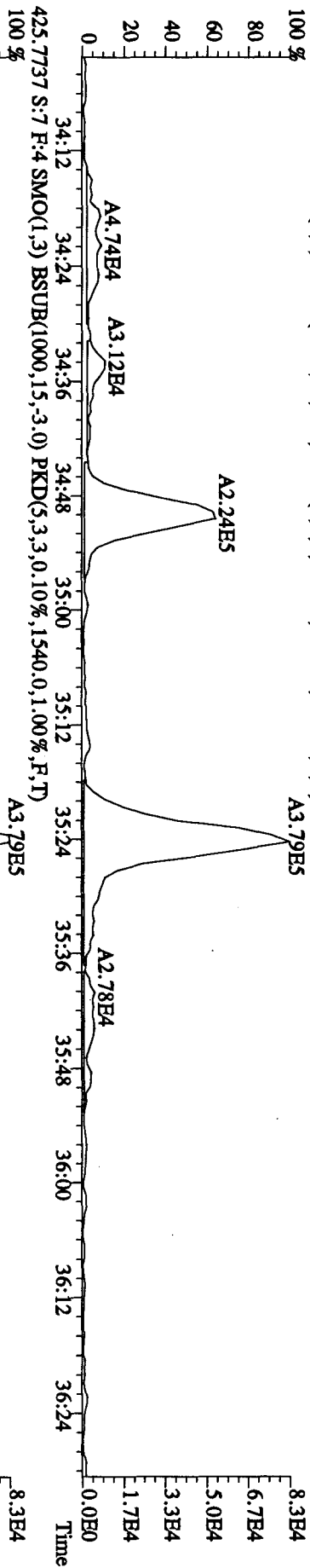
Analyst gd

Date 05/05/10

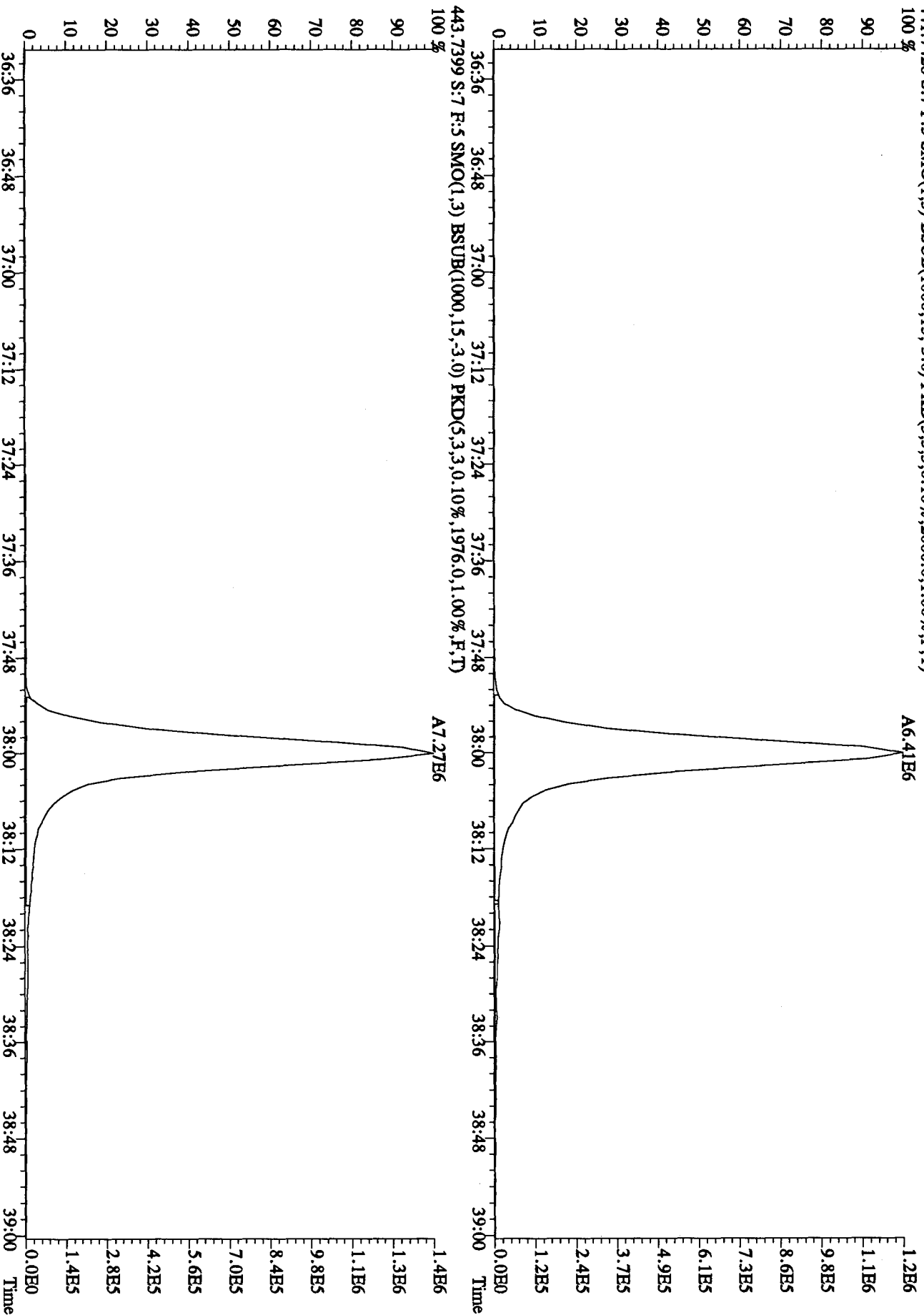
File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LX3A9-1-AC :GOD160437-3 Exp:DIOXINRES8290A
 407.7818 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3476.0,1.00%,F,T)
 100 % A4.26E6



File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:LX3A9-1-AC :GOD160437-3 Exp:DIOXINRES8290A
 423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1540.0,1.00%,F,T)
 100%



File:03MAY10A4D5 #1-190 Acq: 3-MAY-2010 15:39:12 GC EI + Voltage SIR Autospec-Ultimate
 Sample#7 Text:LX3A9-1-AC :G0DD160437-3 Exp:DIOXINRES8290A
 441.7428 S:7 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2000,0,1.00%,F,T)
 100 %



File:03MAY10A4D5 #1-190 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaE

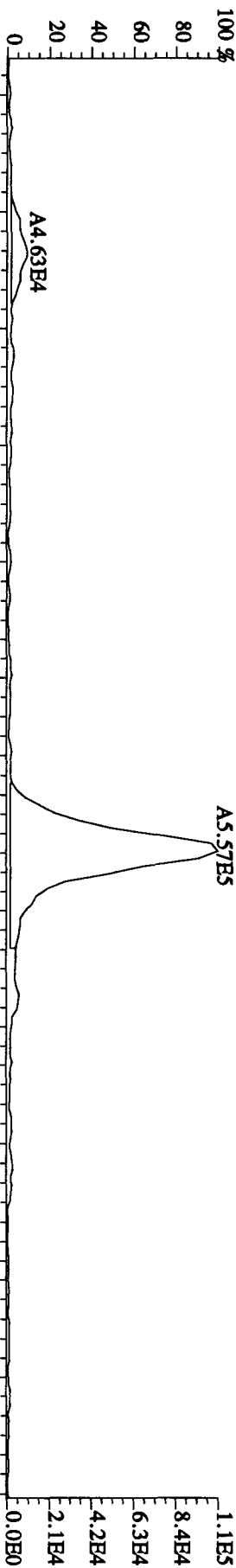
Sample#7 Text:LX3A9-1-AC :G0D160437-3

Exp:DIOXINRES8290A

457.7377 S:7 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2036.0,1.00%,F,T)

100%

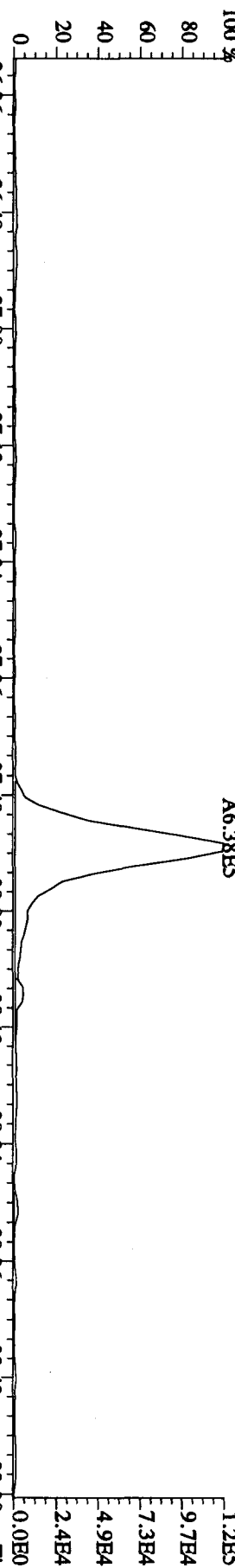
A5.57E5



459.7348 S:7 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1464.0,1.00%,F,T)

100%

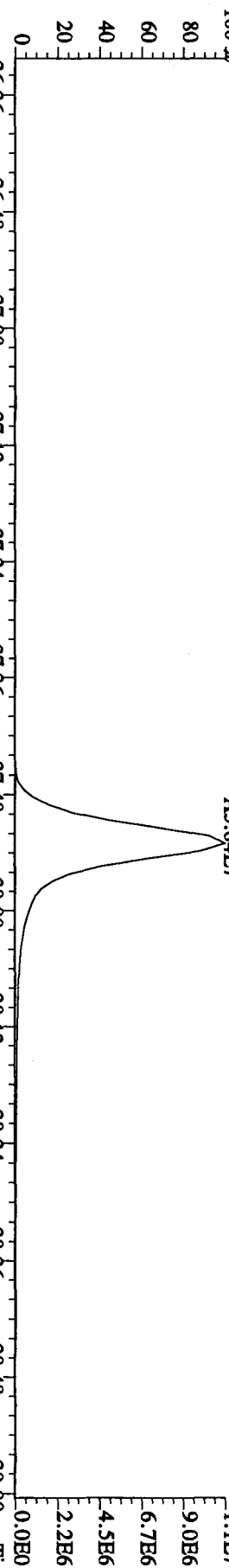
A6.38E5



469.7779 S:7 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,13700.0,1.00%,F,T)

100%

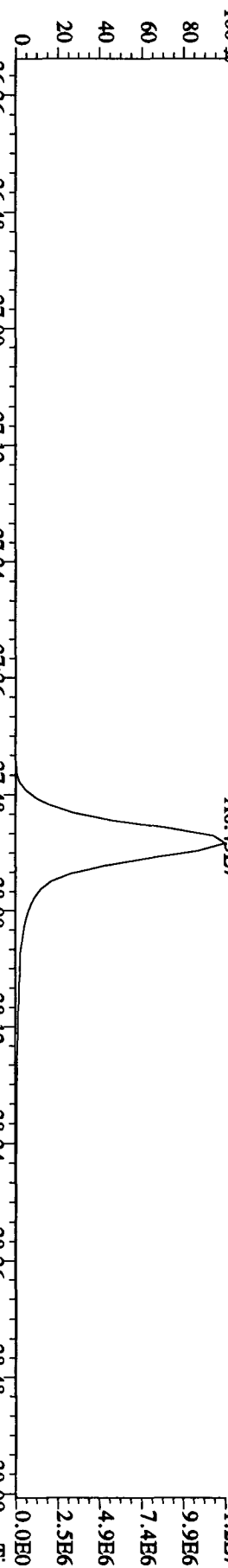
A5.84E7



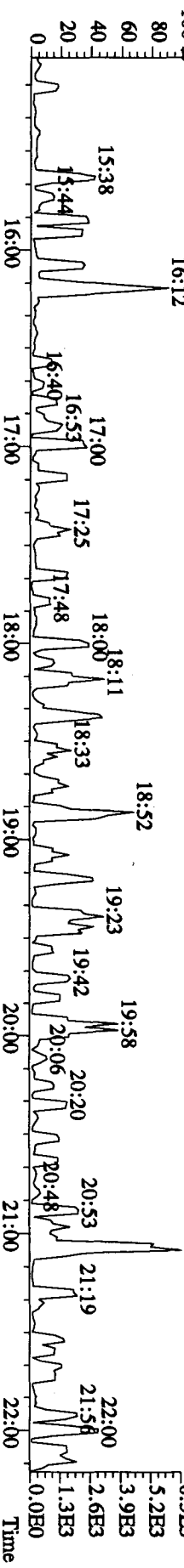
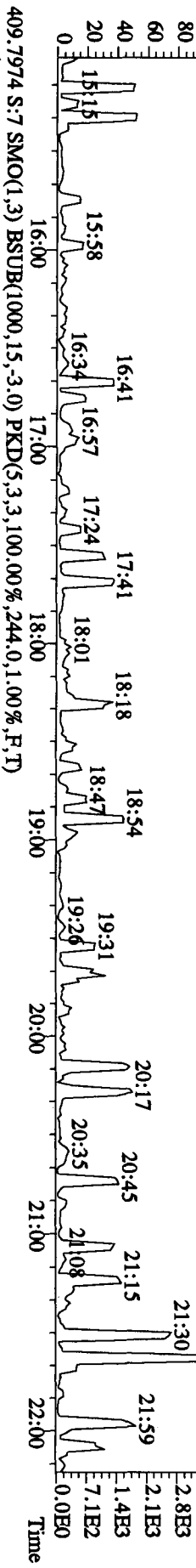
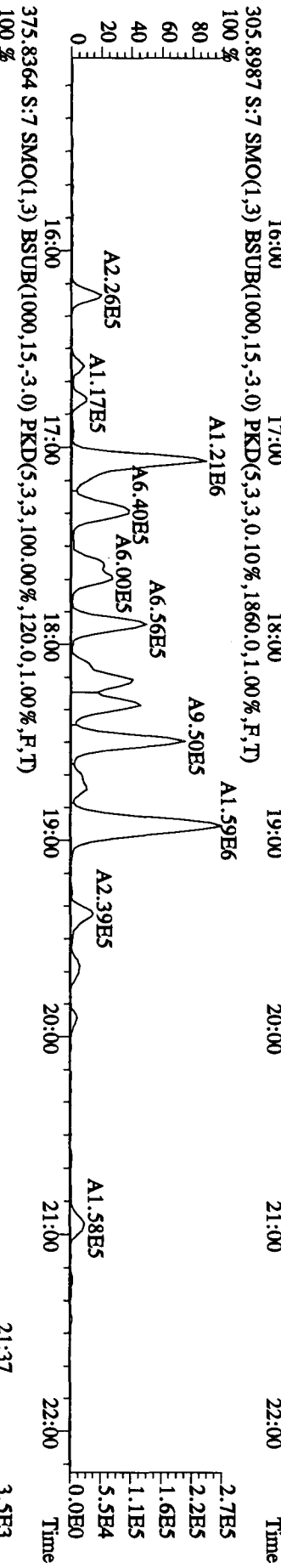
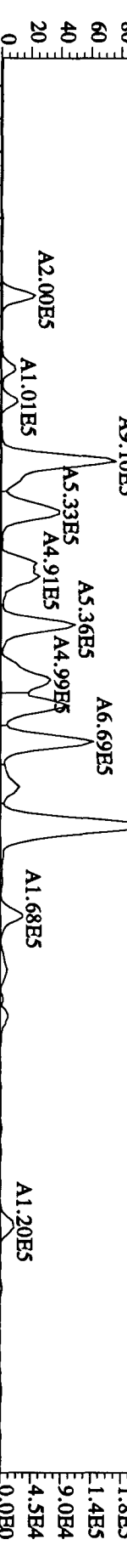
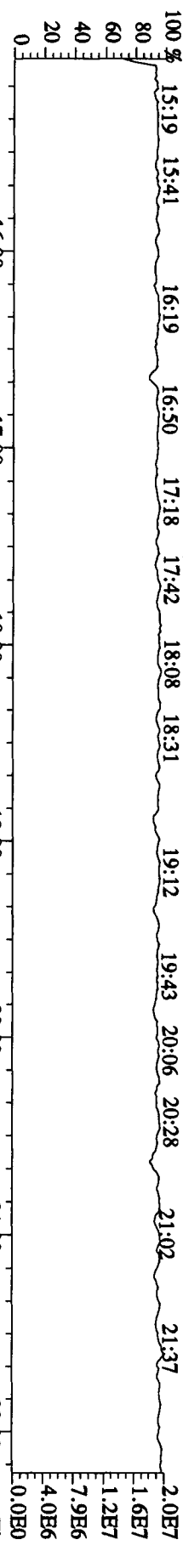
471.7750 S:7 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3336.0,1.00%,F,T)

100%

A6.43E7



File:03MNY10A4D5 #1-434 Acq: 3-MAY-2010 15:39:12 GC FI + Voltage SIR Autospec-Ultimate
 Sample#7 Text:LX3A9-1-AC :GOD160437-3 Exp:DIOXINRES8290A
 354.9792 S:7 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 15:19 15:41 16:19 16:50 17:18 17:42 18:08 18:31 19:12 19:43 20:06 20:28 21:02 21:37



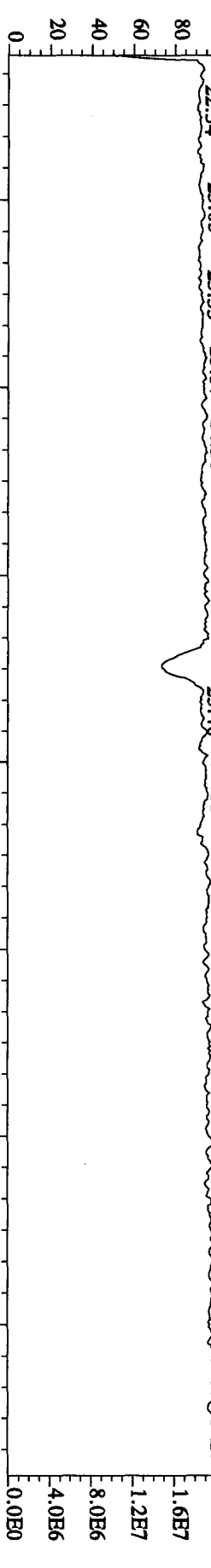
File:03MY10A4D5 #1-604 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaE

Sample#7 Text:LX3A9-1-AC :G0D160437-3 Exp:DIOXINRES8290A

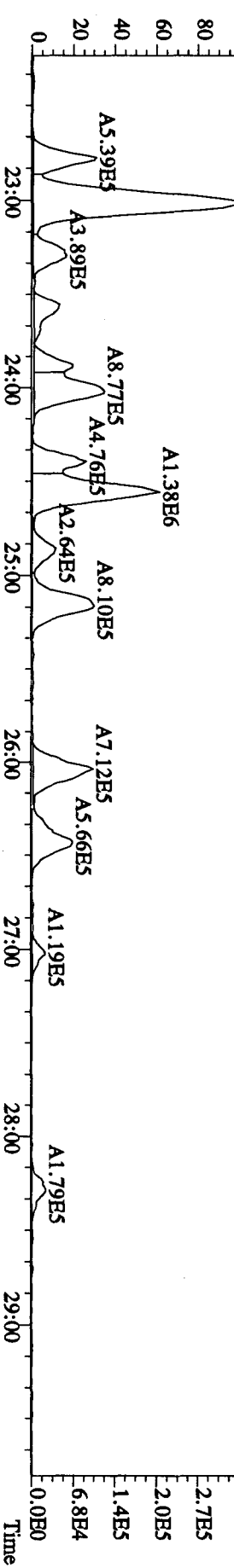
354.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)

Exp:DIOXINRES8290A

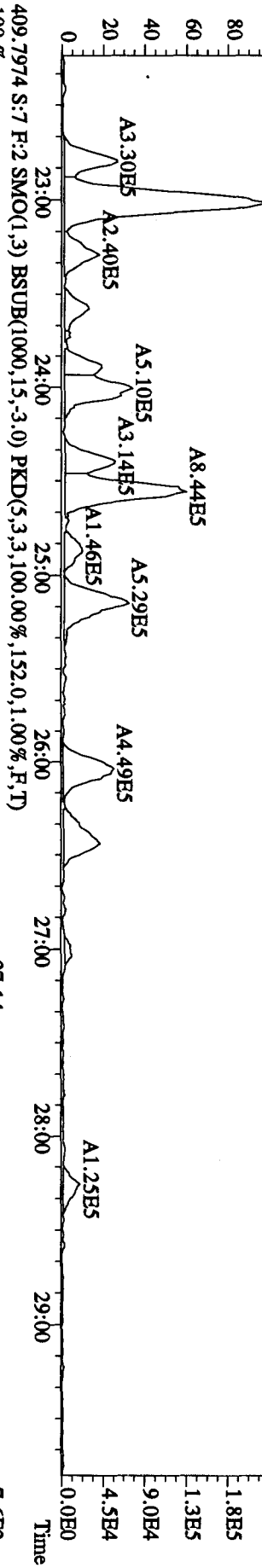
22:34 23:05 23:33 23:57 24:21 25:08 25:46 26:11 26:39 27:06 27:34 28:02 28:47 29:23



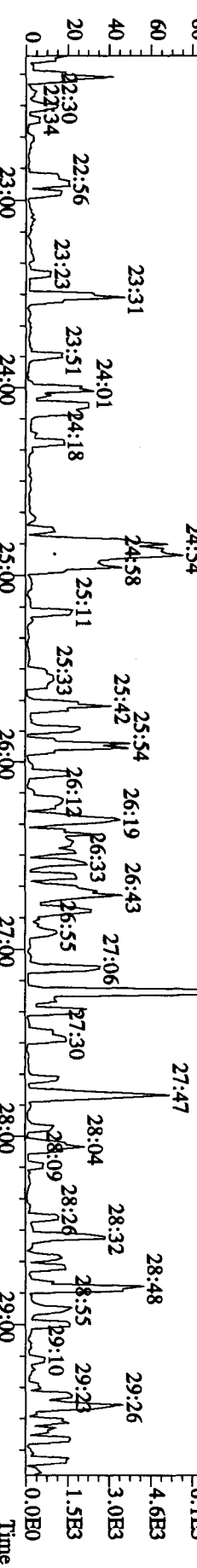
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2004.0,1.00%,F,T)



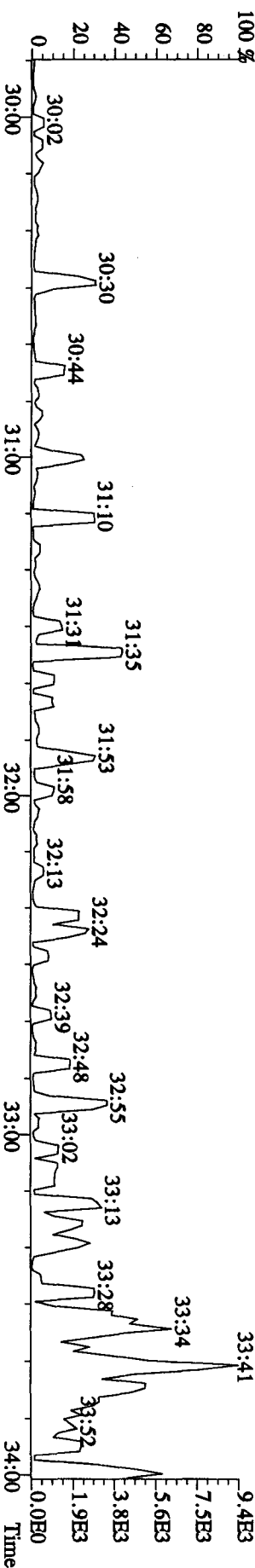
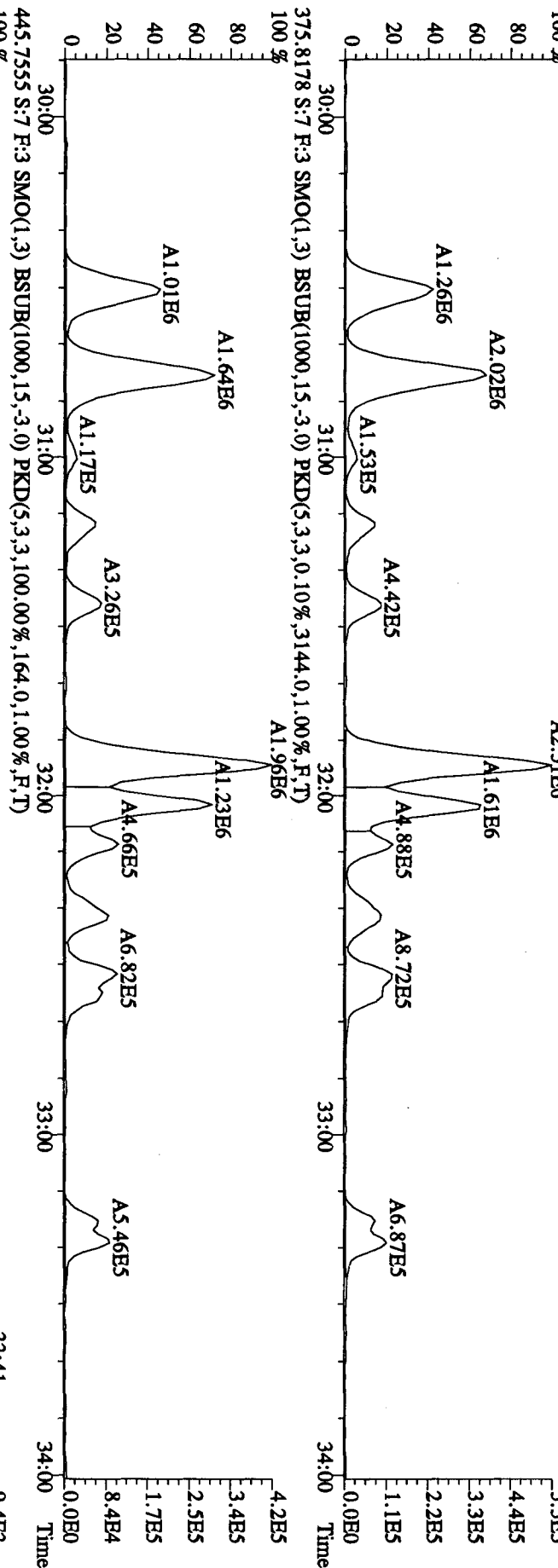
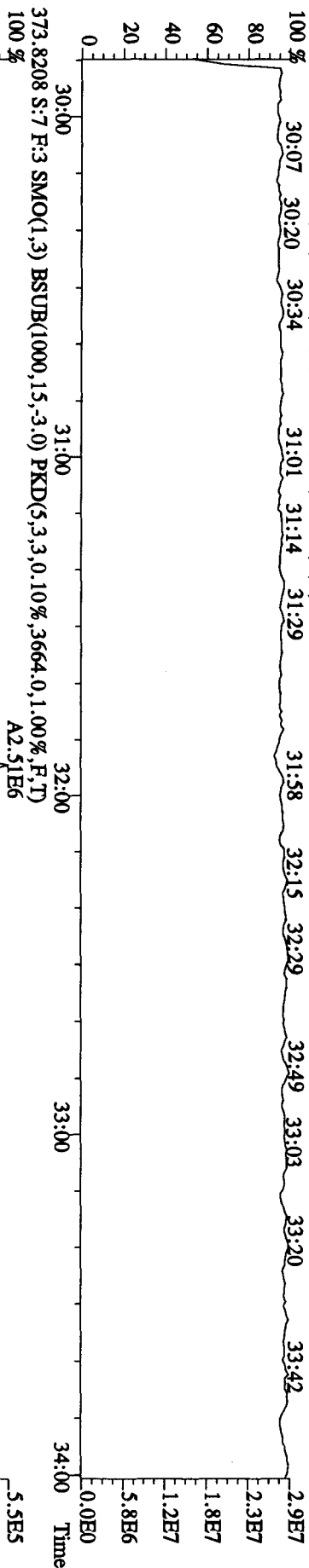
341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3832.0,1.00%,F,T)



409.7974 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100,00%,152.0,1.00%,F,T)

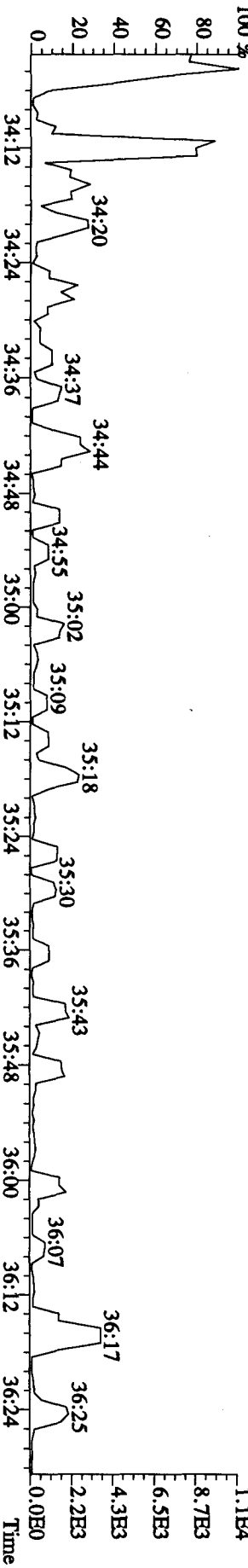
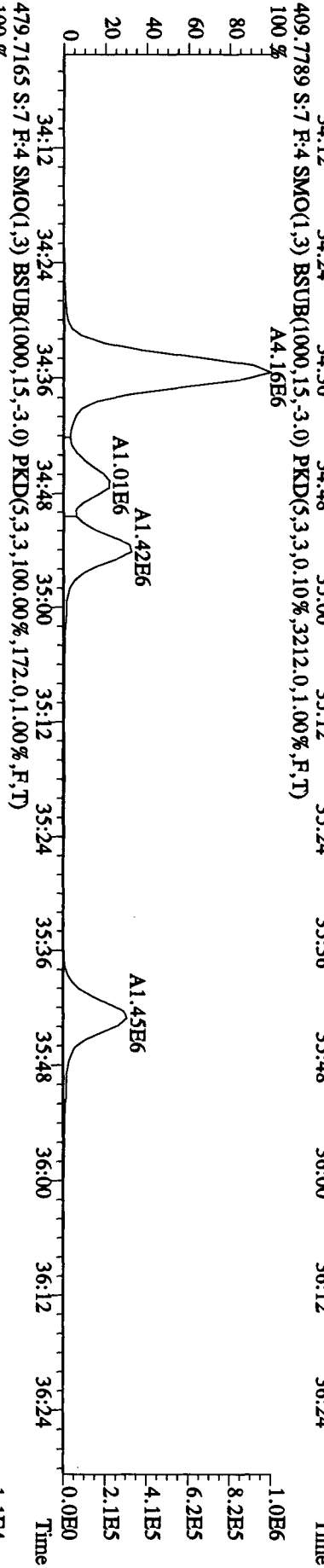
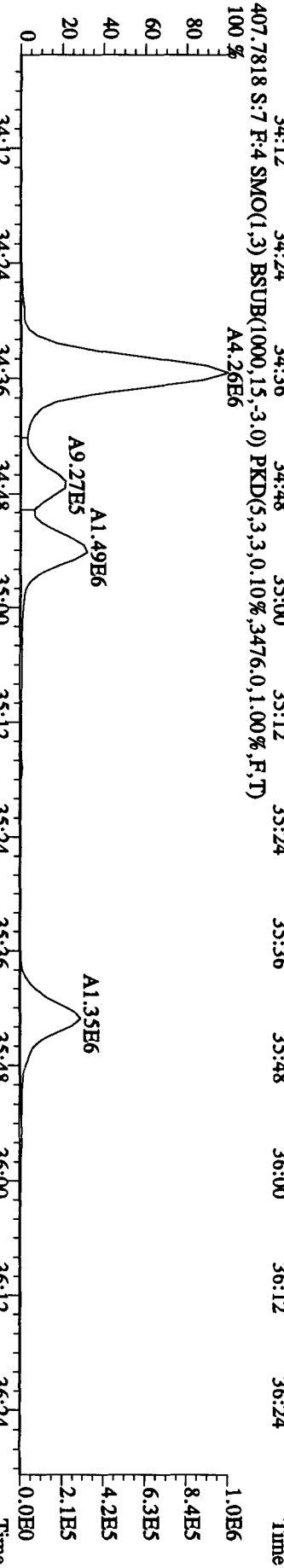
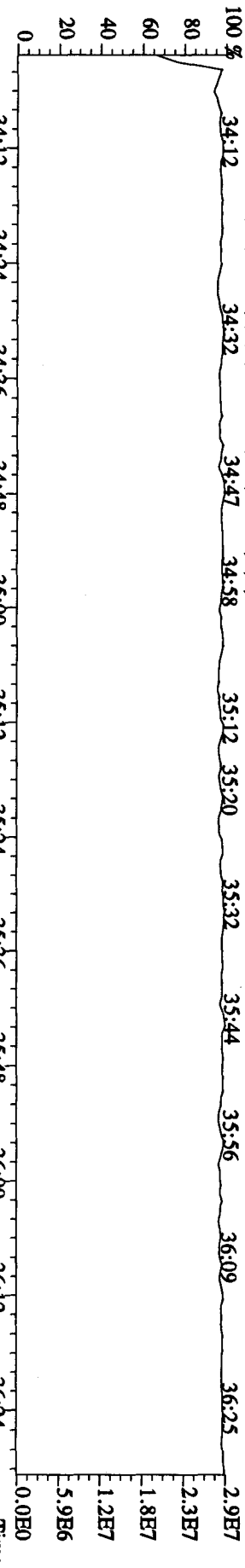


File:03MY10A4D5 #1-317 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text:LX3A9-1-AC :G0D160437-3 Exp:DIOXINRES8290A
 430.9728 S:7 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 30:07 30:20 30:34 31:01 31:14 31:29 31:58 32:15 32:29 32:49 33:03 33:20 33:42

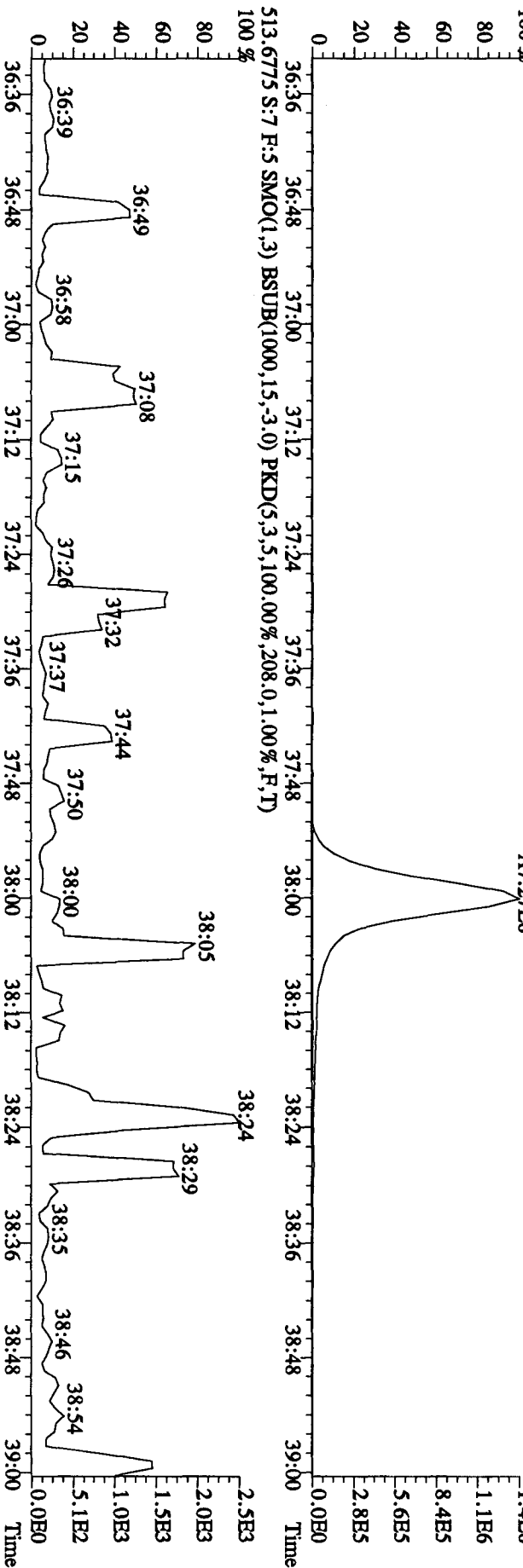
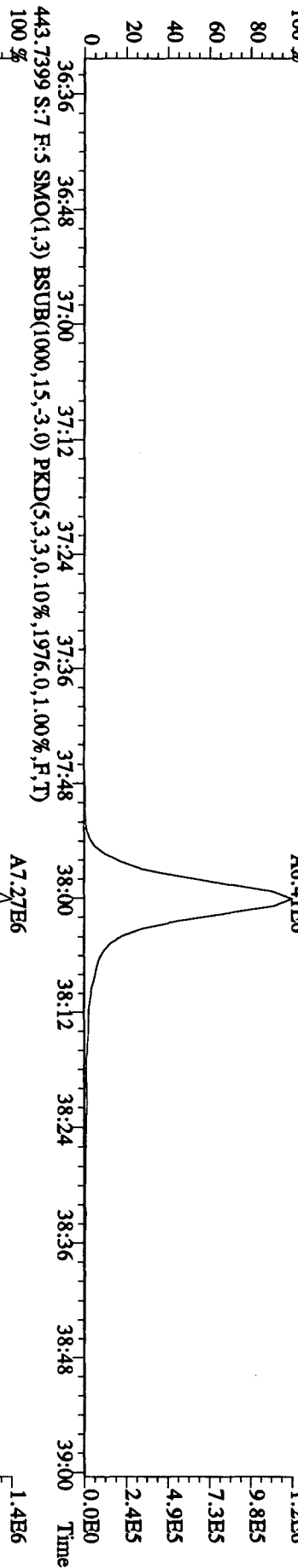
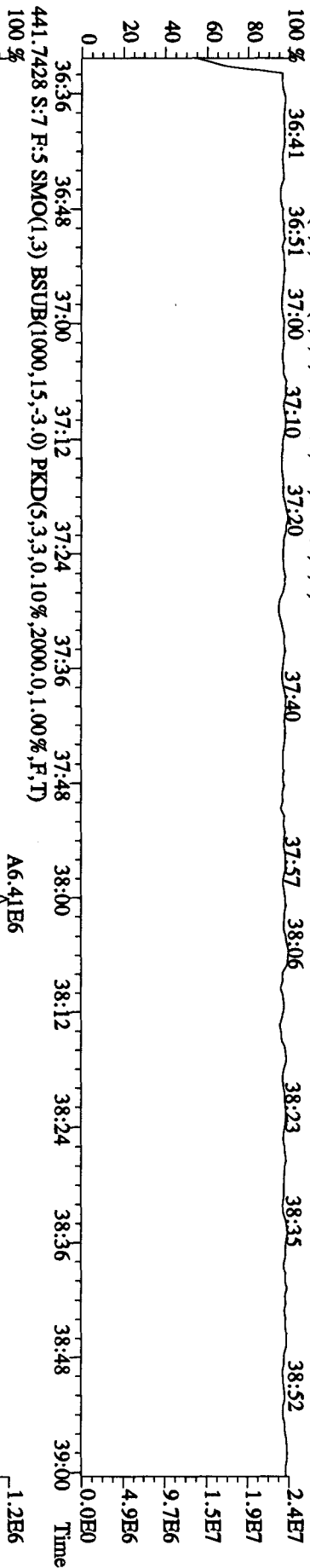


File:03MAY10A4D5 #1-198 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-UltimaE

Sample#7 Text:LX3A9-1-AC :G0DD160437-3 Exp:DI0XINRES8290A



File:03MAY10A4D5 #1-190 Acq: 3-MAY-2010 15:39:12 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:LX3A9-1-AC :GOD160437-3 Exp:DIOXINRES8290A



Run text: LX3A9-1-AC Sample text: LX3A9-1-AC :GOD160437-3
 Run #20 Filename: 04MY105D2 S: 15 I: 1 Results: 04MY105D2DB225
 Acquired: 4-MAY-10 18:18:52 Processed: 4-MAY-10 19:23:17
 Run: 04MY105D2 Analyte: DB225HRS Cal: DB2250421105D2
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.16007g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	90765900	0.75 y	14:53	-	8.98	-	-	n
13C-2,3,7,8-TCDF	190219900	0.82 y	16:02	2.11	97.93	0.19	49.7	n
2,3,7,8-TCDF	1371472	0.88 y	16:04	1.09	1.30	0.16	-	n
13C-2,3,7,8-TCDD	90436000	0.76 y	14:40	0.95	103.40	0.23	52.5	n
2,3,7,8-TCDD	45355	0.32 n	14:42	1.36	0.07	0.14	-	n
37Cl-2,3,7,8-TCDD	89482000	1.00 y	14:42	2.28	42.59	0.02	54.1	n

Con. B

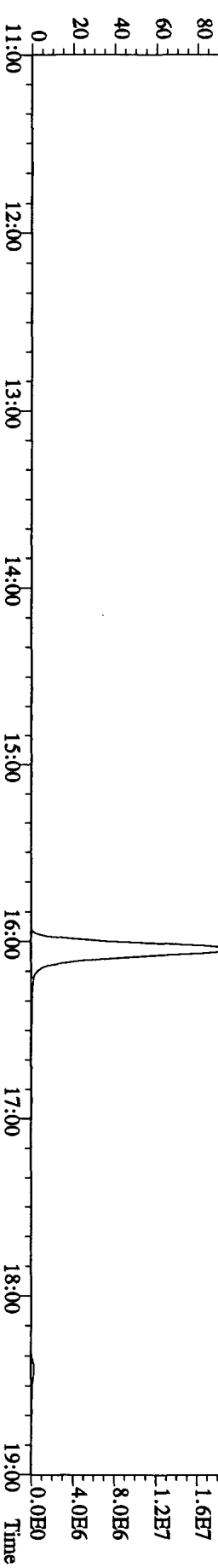
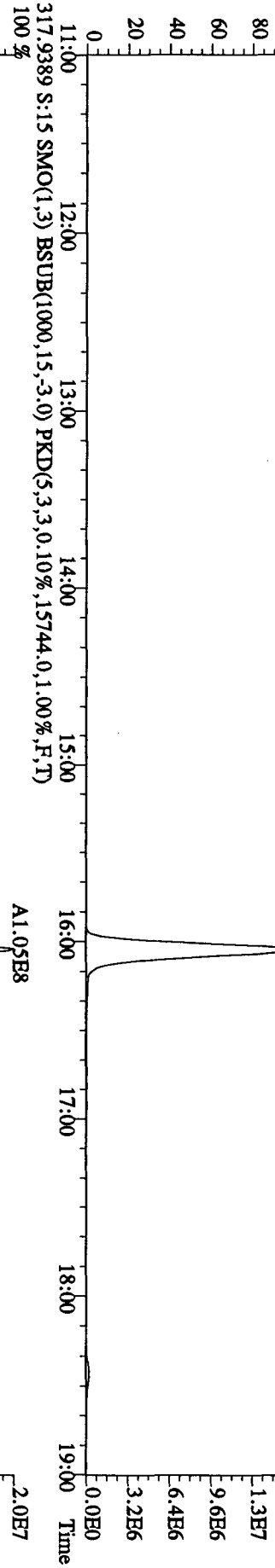
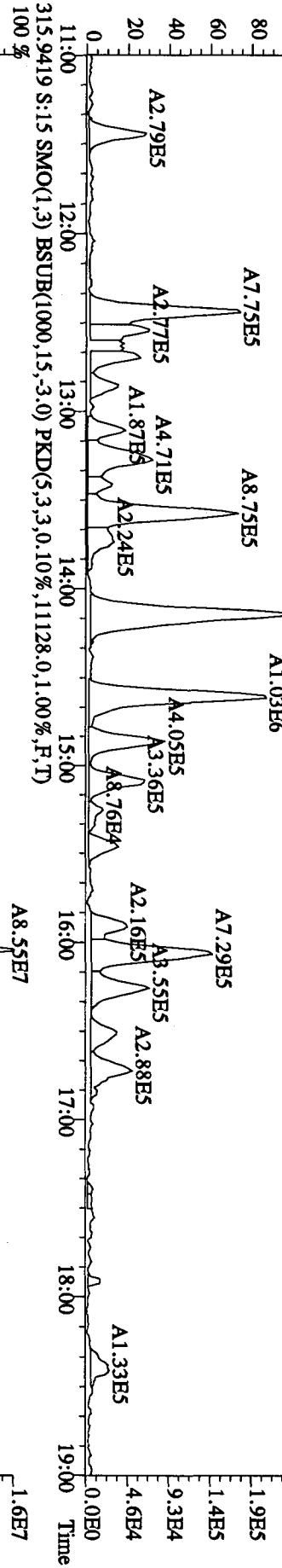
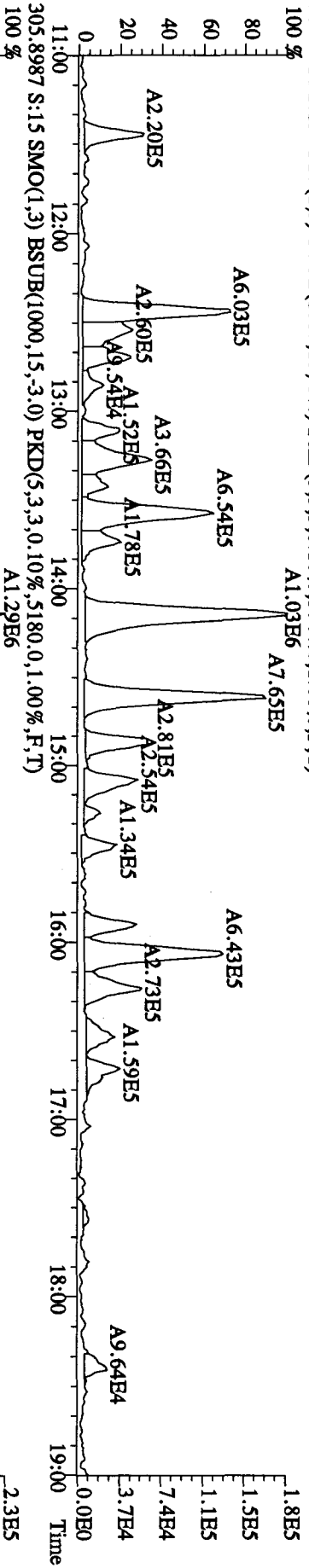
88 05/05/10

File:04MY105D2 #1-1242 Acq: 4-MAY-2010 18:18:52 GC EI+ Voltage SIR 70SE

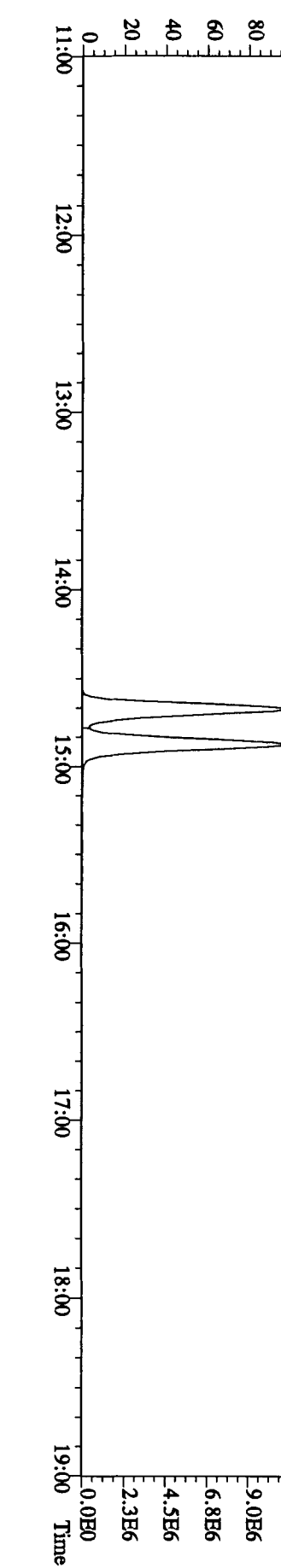
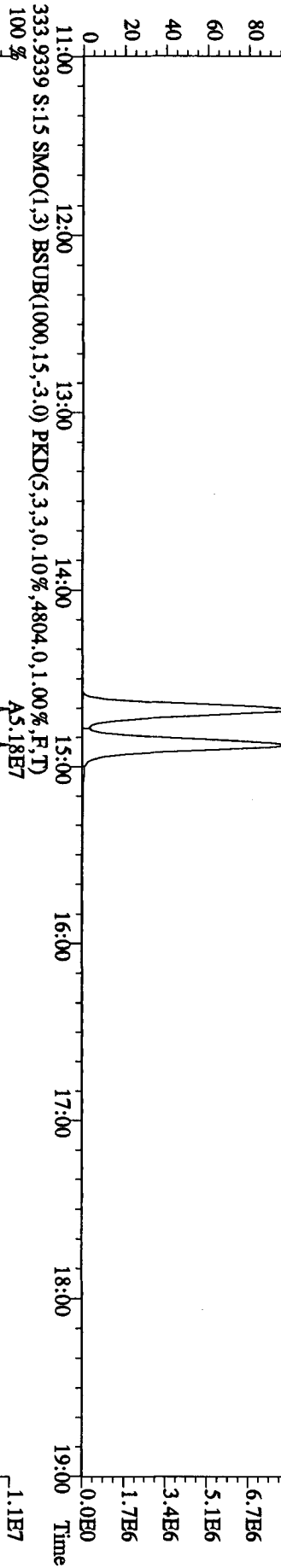
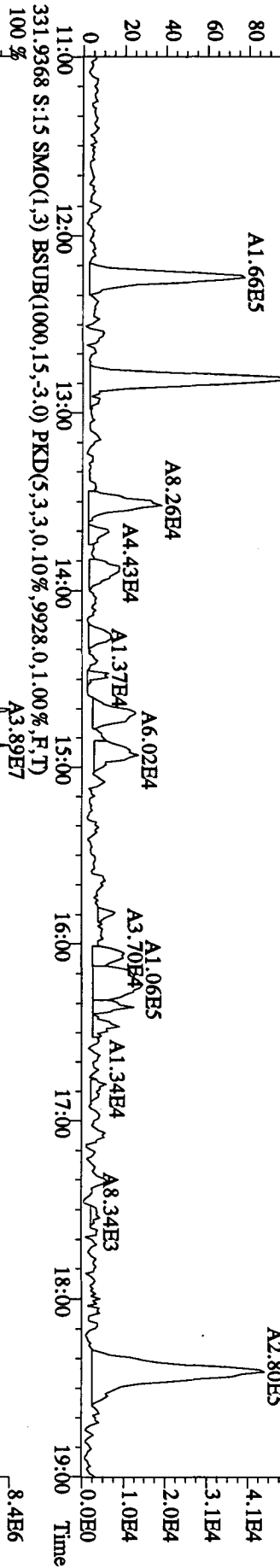
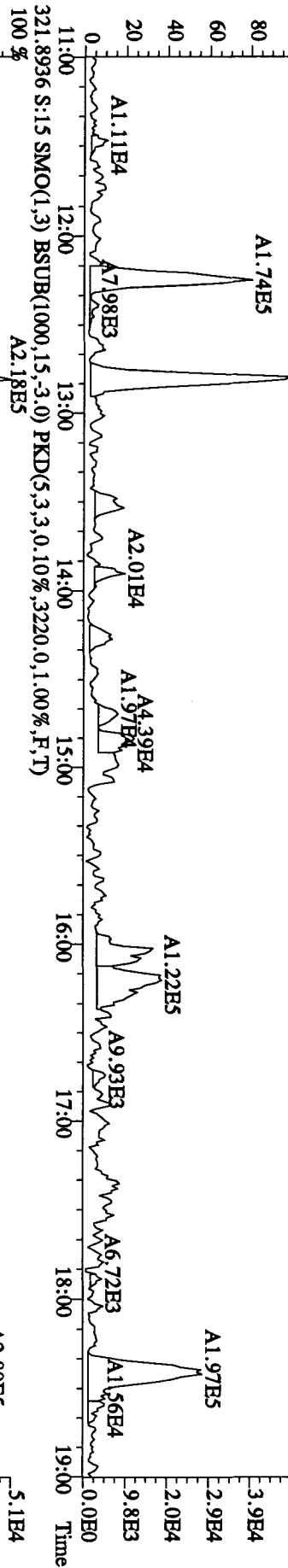
Sample#15 Text:LX3A9-1-AC :GOD160437-3

Exp:DB225RES

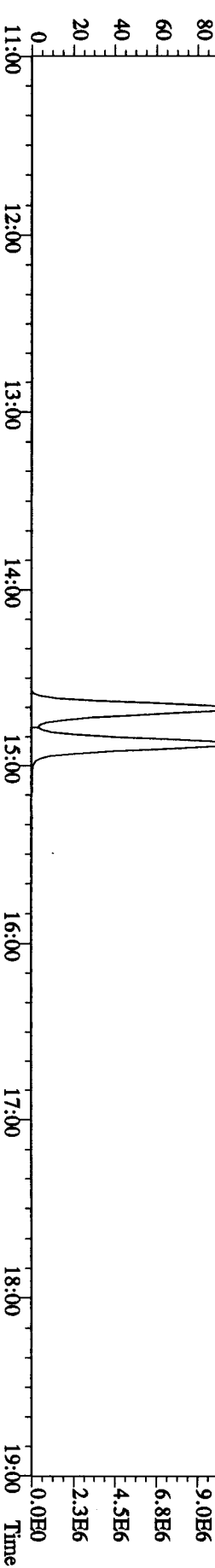
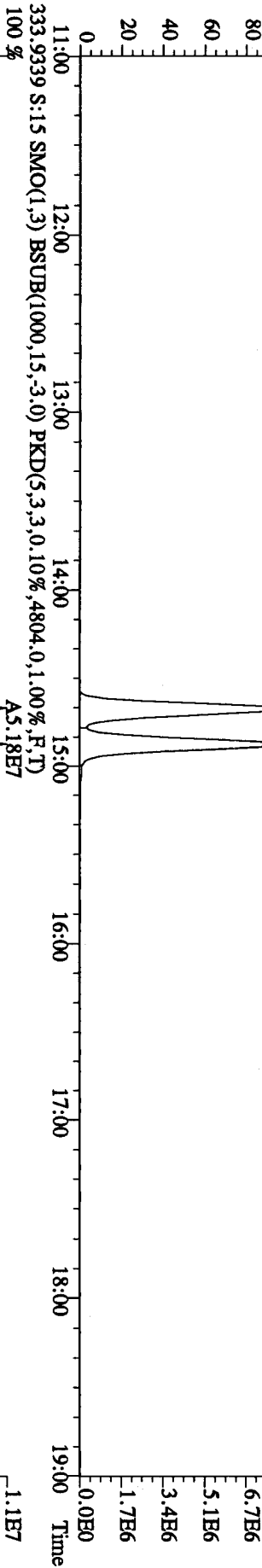
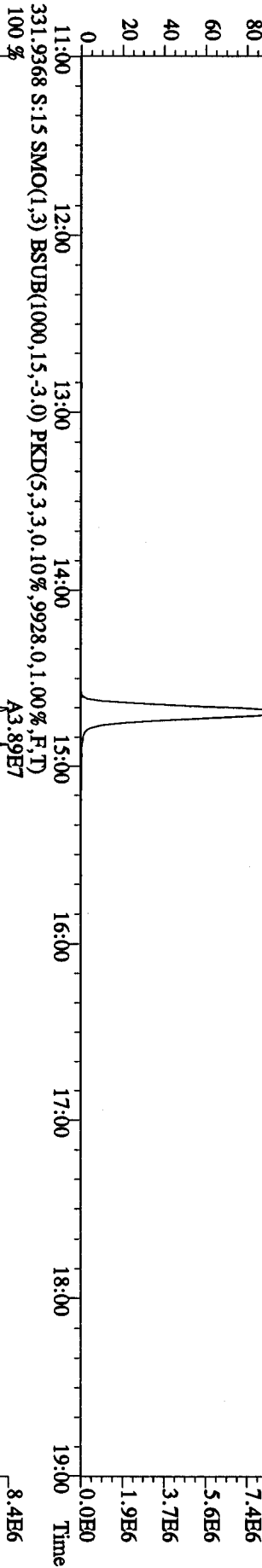
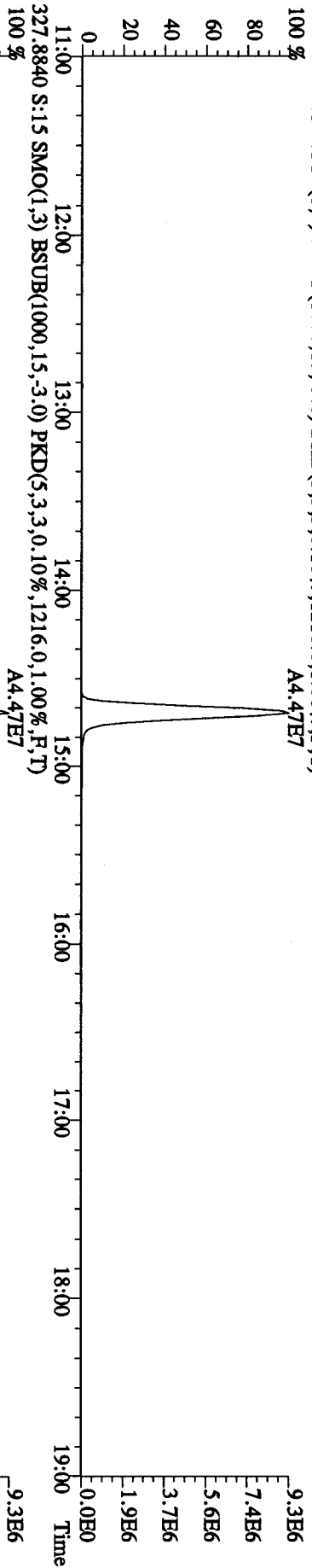
303.9016 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5744.0,1.00%,F,T)



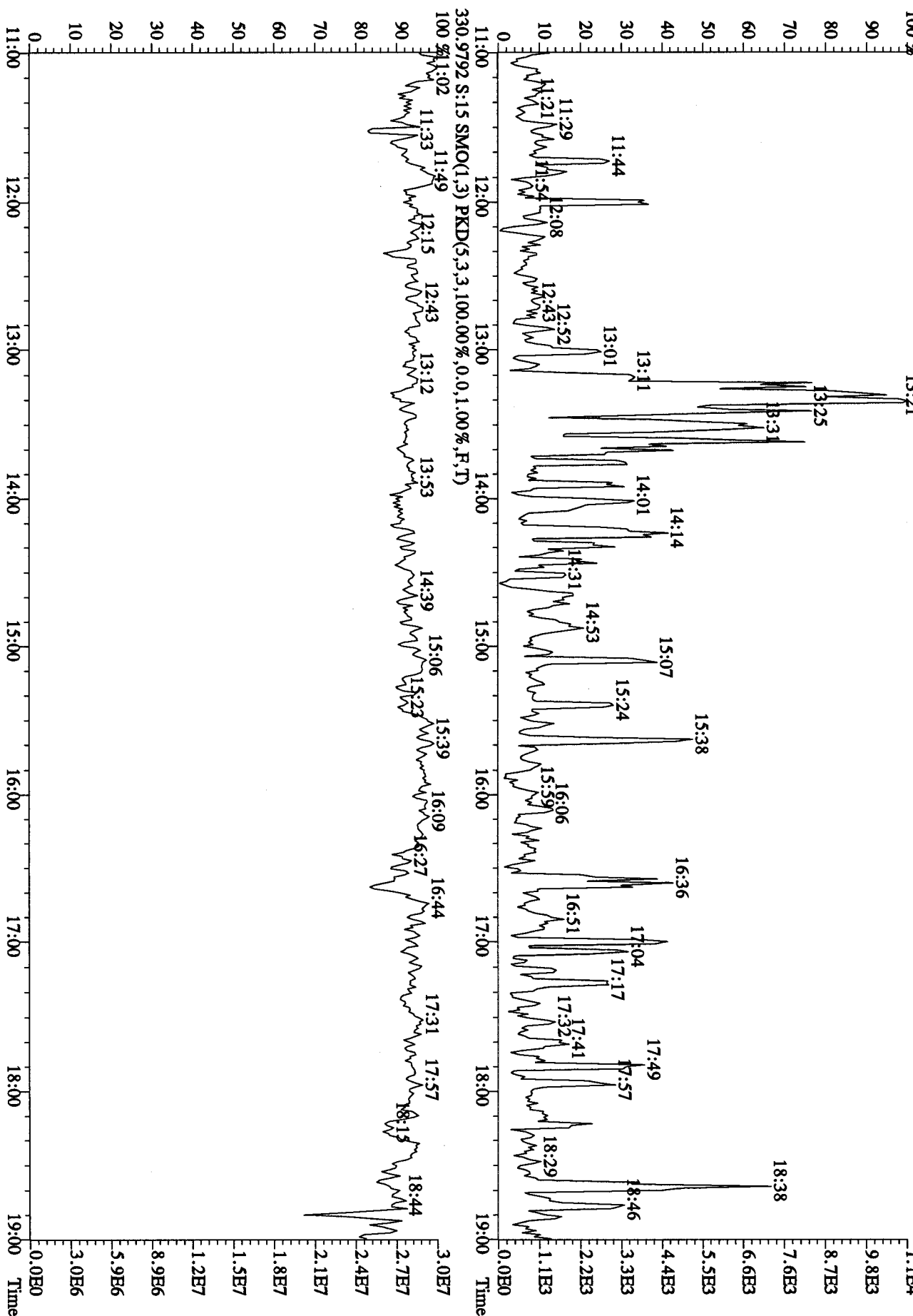
File:04NMY105D2 #1-1242 Acq: 4-MAY-2010 18:18:52 GC EI+ Voltage SIR 70SE
 Sample#15 Text:LX3A9-1-AC :G0D160437-3 Exp:DB225RES
 319.8965 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3052,0,1.00%,F,T)



File:04MAY105D2 #1-1242 Acq: 4-MAY-2010 18:18:52 GC EI+ Voltage SIR 70SE
Sample#15 Text:LX3A9-1-AC :G0D160437-3 Exp:DB225RES
327.8840 S:15 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1216,0,1,00%,F,T)
100 % A4.47E7



File:04MY105D2 #1-1242 Acq: 4-MAY-2010 18:18:52 GC EI+ Voltage SIR 70SE
 Sample#15 Text:LX3A9-1-AC :GOD160437-3 Exp:DB225RES
 375.8364 S:1.5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1172.0,1.00%,F,T)



VS 4.30.10

Run text: LXOPR-1-AE Sample text: LXOPR-1-AE :GOD140543-10
 Run #8 Filename: 29AP101D5 S: 4 I: 1 Results: 29ap101d58290vg
 Acquired: 29-APR-10 11:47:48 Processed: 29-APR-10 22:38:43
 Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.05 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	213601900	0.81 y	17:22	-	6.82	-	-	n
13C-2,3,7,8-TCDF	430778000	0.79 y	16:52	1.57	128.14	0.10	64.4	n
2,3,7,8-TCDF	571750000	0.77 y	16:54	0.86	307.17	0.53	-	n
Total TCDF	2911354700	0.74 y	14:30	0.86	1564.13	0.53	-	n
13C-2,3,7,8-TCDD	288840000	0.80 y	17:33	0.99	135.46	0.09	68.1	n
2,3,7,8-TCDD	6552870	0.74 y	17:34	0.93	4.83 ✓	0.14	-	y
Total TCDD	171449184	0.75 y	15:24	0.93	126.50	0.14	-	y
37Cl-2,3,7,8-TCDD	322362000	1.00 y	17:34	2.22	67.70	0.09	85.0	n
13C-1,2,3,7,8-PeCDF	329952000	1.62 y	21:45	1.07	143.26	0.17	72.0	n
1,2,3,7,8-PeCDF	366214000	1.59 y	21:47	1.00	220.86 ✓	0.95	-	n
2,3,4,7,8-PeCDF	201317800	1.62 y	23:05	0.94	129.37 ✓	1.01	-	n
Total F2 PeCDF	2609027260	1.59 y	20:16	0.97	1620.47	0.98	-	n
Total F1 PeCDF	113804741	1.71 y	15:41	0.97	70.81	0.08	-	n
13C-1,2,3,7,8-PeCDD	192436500	1.68 y	23:45	0.67	134.53	0.07	67.6	n
1,2,3,7,8-PeCDD	13869170	1.58 y	23:47	0.93	15.44 ✓	0.48	-	n
Total PeCDD	135372803	1.60 y	20:39	0.93	150.67	0.48	-	n
13C-1,2,3,7,8,9-HxCDD	150025800	1.31 y	31:56	-	5.44	-	-	n
13C-1,2,3,4,7,8-HxCDF	197400000	0.51 y	29:58	0.89	146.64	0.08	73.7	n
1,2,3,4,7,8-HxCDF	579456000	1.26 y	29:59	1.20	487.18 ✓	6.72	-	y
1,2,3,6,7,8-HxCDF	404054000	1.25 y	30:14	1.37	297.06 ✓	5.88	-	y
2,3,4,6,7,8-HxCDF	82159600	1.28 y	31:13	1.24	66.69 ✓	6.49	-	n
1,2,3,7,8,9-HxCDF	55594600	1.24 y	32:11	1.33	42.26 ✓	6.08	-	y
Total HxCDF	2480890900	1.25 y	27:12	1.28	1960.20	6.28	-	y
13C-1,2,3,6,7,8-HxCDD	164741500	1.31 y	31:33	0.73	149.25	0.02	75.0	n
1,2,3,4,7,8-HxCDD	7279820	1.21 y	31:27	0.97	9.07 ✓	0.32	-	n
1,2,3,6,7,8-HxCDD	16590900	1.29 y	31:35	1.06	18.94 ✓	0.29	-	n
1,2,3,7,8,9-HxCDD	15131850	1.26 y	31:57	1.28	14.33 ✓	0.24	-	y
Total HxCDD	108527305	1.33 y	28:43	1.10	110.60	0.28	-	y
13C-1,2,3,4,6,7,8-HpCDF	155534700	0.43 y	33:48	0.86	119.93	0.79	60.3	n
1,2,3,4,6,7,8-HpCDF	1152362000	1.04 y	33:49	1.29	1145.99 ✓	0.77	-	n
1,2,3,4,7,8,9-HpCDF	412216000	1.04 y	35:01	1.14	464.54 ✓	0.87	-	n
Total HpCDF	2205235430	1.04 y	33:49	1.21	2207.42	0.81	-	n
13C-1,2,3,4,6,7,8-HpCDD	119744600	1.08 y	34:40	0.75	105.59	0.26	53.1	n
1,2,3,4,6,7,8-HpCDD	43662300	1.04 y	34:41	1.00	72.72 ✓	0.42	-	n
Total HpCDD	63337777	0.36 n	33:41	1.00	105.49	0.42	-	n
13C-OCDD	115084500	0.89 y	37:17	0.56	135.23	0.30	34.0	n
OCDF	1526294000	0.88 y	37:23	1.44	3672.47 ✓	1.49	-	n

OCDD 25815700 0.88 y 37:17 1.11

80.47 ✓

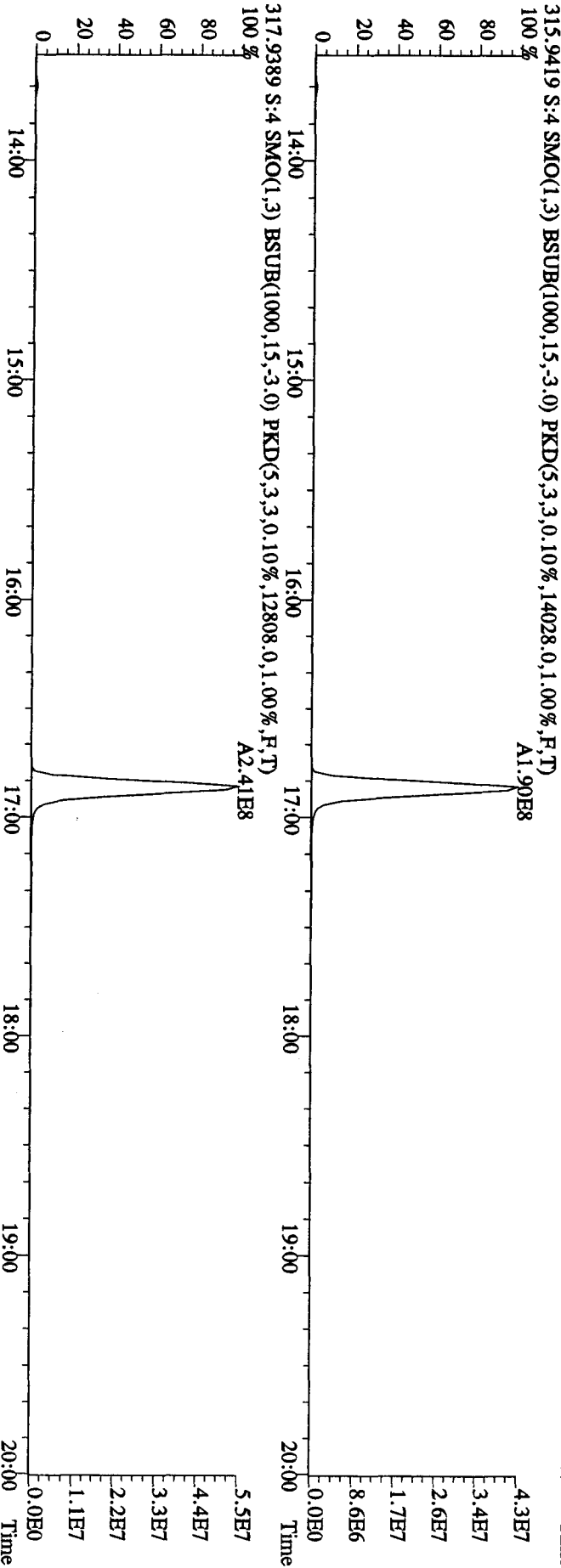
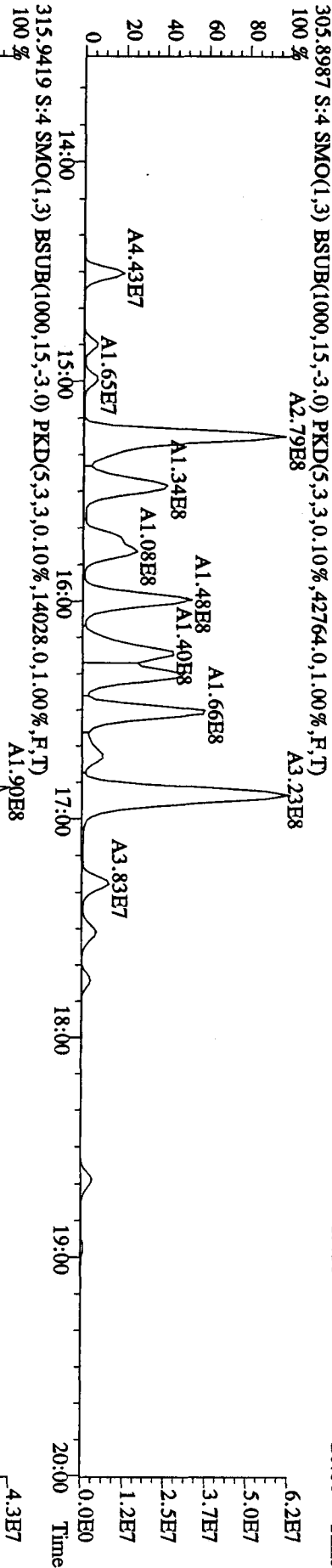
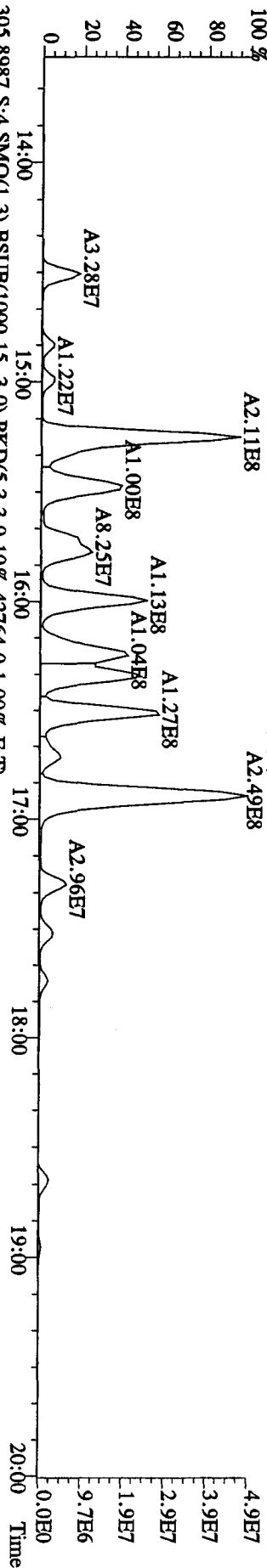
0.53

- n

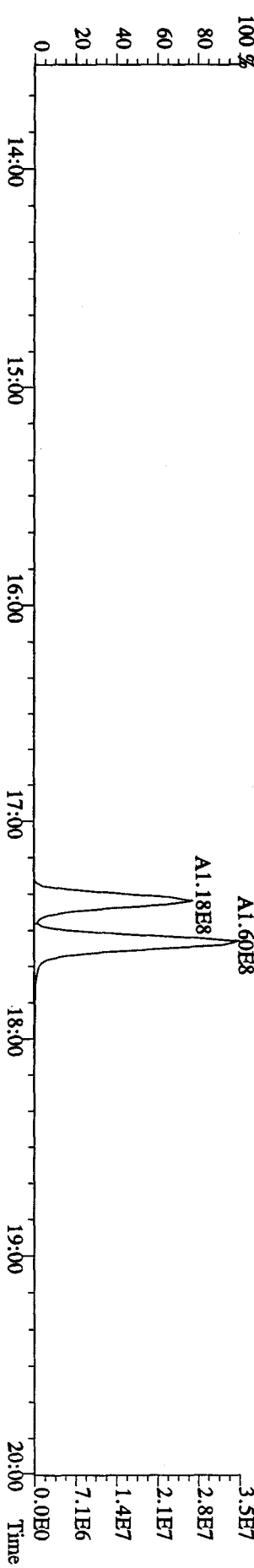
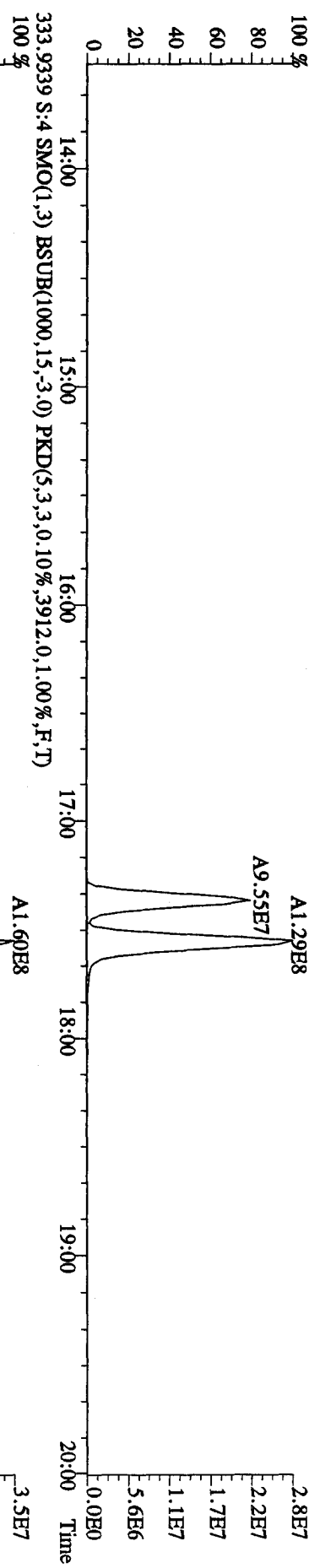
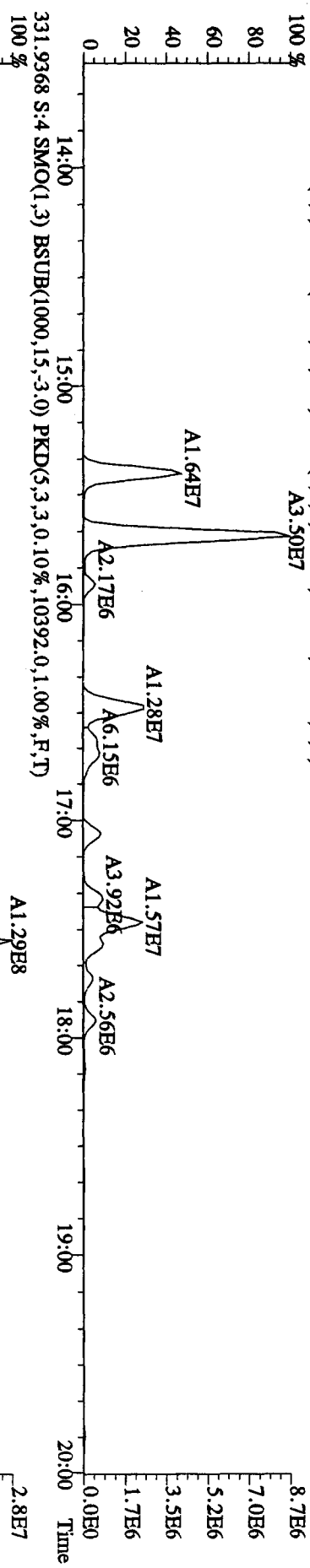
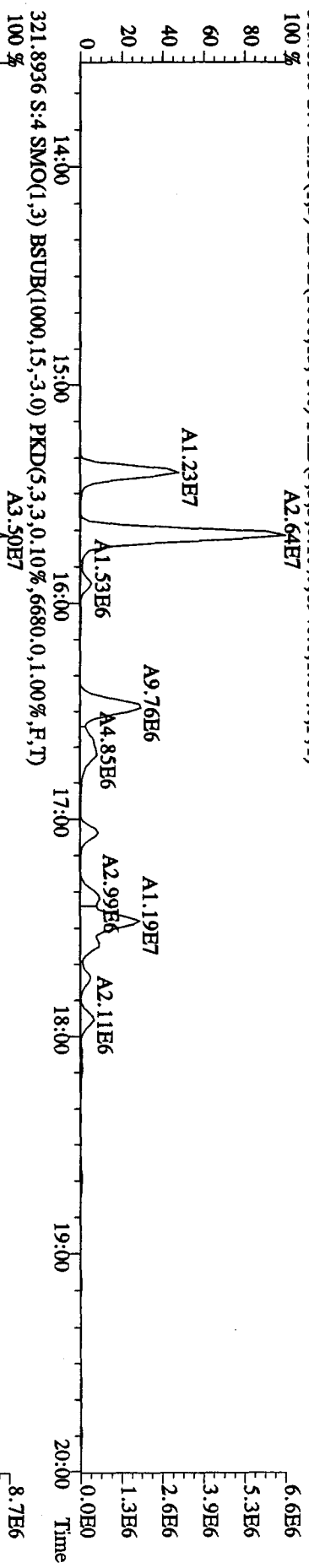
Run text: LX0PR-1-AE Sample text: LX0PR-1-AE :G0D140543-10
 Run #8 Filename: 29AP101D5 S: 4 I: 1 Results: 29AP101D58290
 Acquired: 29-APR-10 11:47:48 Processed: 29-APR-10 22:38:43
 Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.05 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	213601900	0.81 y	17:22	-	6.823	-	-	n
13C-2,3,7,8-TCDF	430778000	0.79 y	16:52	1.57	128.139	0.104	64.4	n
2,3,7,8-TCDF	571750000	0.77 y	16:54	0.86	307.174	0.532	-	n
Total TCDF	2911354700	0.74 y	14:30	0.86	1564.130	0.532	-	n
13C-2,3,7,8-TCDD	288840000	0.80 y	17:33	0.99	135.456	0.087	68.1	n
2,3,7,8-TCDD	27517000	0.76 y	17:28	0.93	20.303	0.138	-	n
Total TCDD	178215115	0.75 y	15:24	0.93	131.494	0.138	-	n
37Cl-2,3,7,8-TCDD	322362000	1.00 y	17:34	2.22	67.701	0.091	85.0	n
13C-1,2,3,7,8-PeCDF	329952000	1.62 y	21:45	1.07	143.265	0.165	72.0	n
1,2,3,7,8-PeCDF	366214000	1.59 y	21:47	1.00	220.858	0.948	-	n
2,3,4,7,8-PeCDF	201317800	1.62 y	23:05	0.94	129.366	1.010	-	n
Total F2 PeCDF	2609027260	1.59 y	20:16	0.97	1620.468	0.978	-	n
Total F1 PeCDF	113804741	1.71 y	15:41	0.97	70.811	0.076	-	n
13C-1,2,3,7,8-PeCDD	192436500	1.68 y	23:45	0.67	134.527	0.071	67.6	n
1,2,3,7,8-PeCDD	13869170	1.58 y	23:47	0.93	15.436	0.482	-	n
Total PeCDD	135372803	1.60 y	20:39	0.93	150.667	0.482	-	n
13C-1,2,3,7,8,9-HxCDD	150025800	1.31 y	31:56	-	5.442	-	-	n
13C-1,2,3,4,7,8-HxCDF	197400000	0.51 y	29:58	0.89	146.640	0.076	73.7	n
1,2,3,4,7,8-HxCDF	642053000	1.25 y	29:59	1.20	539.814	6.723	-	n
1,2,3,6,7,8-HxCDF	400812000	1.25 y	30:14	1.37	294.681	5.879	-	n
2,3,4,6,7,8-HxCDF	82159800	1.28 y	31:13	1.24	66.686	6.490	-	n
1,2,3,7,8,9-HxCDF	55623904	1.48 n	32:11	1.33	42.286	6.079	-	n
Total HxCDF	2689824604	1.25 y	27:12	1.28	2127.832	6.275	-	n
13C-1,2,3,6,7,8-HxCDD	164741500	1.31 y	31:33	0.73	149.248	0.015	75.0	n
1,2,3,4,7,8-HxCDD	7279820	1.21 y	31:27	0.97	9.066	0.317	-	n
1,2,3,6,7,8-HxCDD	16590900	1.29 y	31:35	1.06	18.936	0.290	-	n
1,2,3,7,8,9-HxCDD	16591460	1.24 y	31:57	1.28	15.716	0.241	-	n
Total HxCDD	108465838	1.33 y	28:43	1.10	118.317	0.279	-	n
13C-1,2,3,4,6,7,8-HpCDF	155534700	0.43 y	33:48	0.86	119.931	0.786	60.3	n
1,2,3,4,6,7,8-HpCDF	1152362000	1.04 y	33:49	1.29	1145.987	0.767	-	n
1,2,3,4,7,8,9-HpCDF	412216000	1.04 y	35:01	1.14	464.541	0.869	-	n
Total HpCDF	2205235430	1.04 y	33:49	1.21	2287.424	0.815	-	n
13C-1,2,3,4,6,7,8-HpCDD	119744600	1.08 y	34:40	0.75	105.586	0.260	53.1	n
1,2,3,4,6,7,8-HpCDD	43662300	1.04 y	34:41	1.00	72.721	0.421	-	n
Total HpCDD	63337777	0.36 n	33:41	1.00	105.491	0.421	-	n
13C-OCDD	115084500	0.89 y	37:17	0.56	135.232	0.301	34.0	n
OCDF	1526294000	0.88 y	37:23	1.44	3672.470	1.493	-	n
OCDD	25815700	0.88 y	37:17	1.11	80.467	0.532	-	n

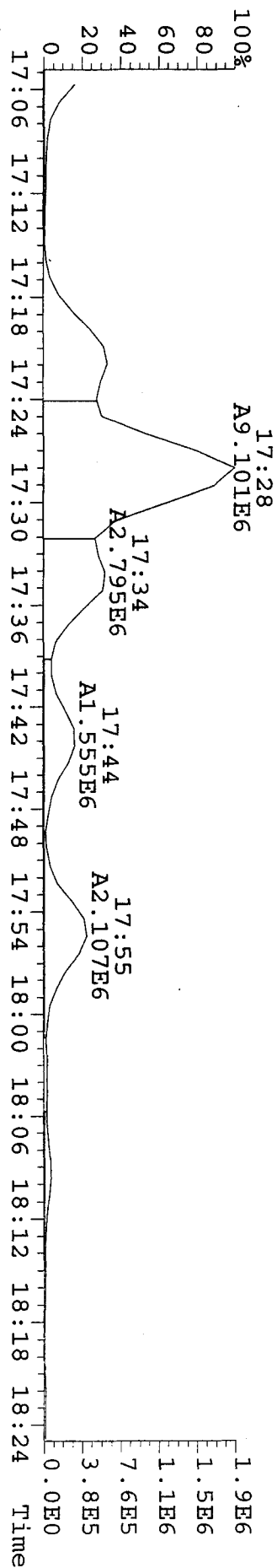
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,32188,0,1,00%,F,T) A2.11E8 A2.49E8



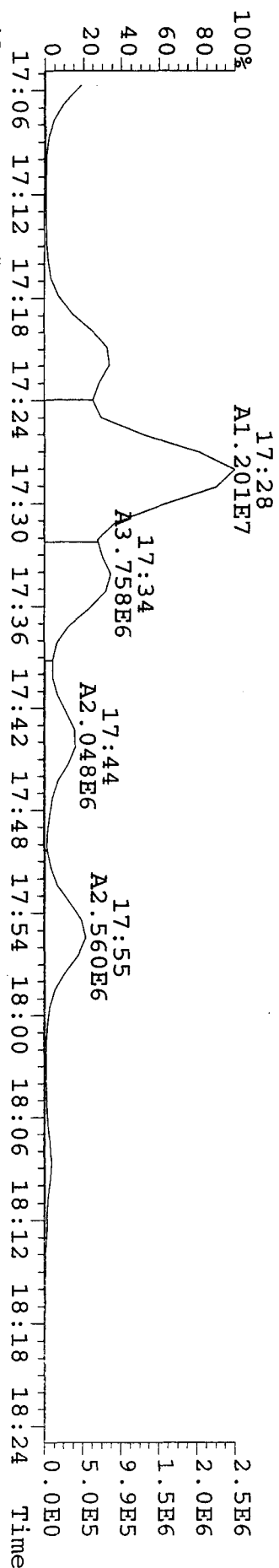
File:29AD101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :GDD140543-10 Exp:DIOXINRES
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6940.0,1.00%,F,T)



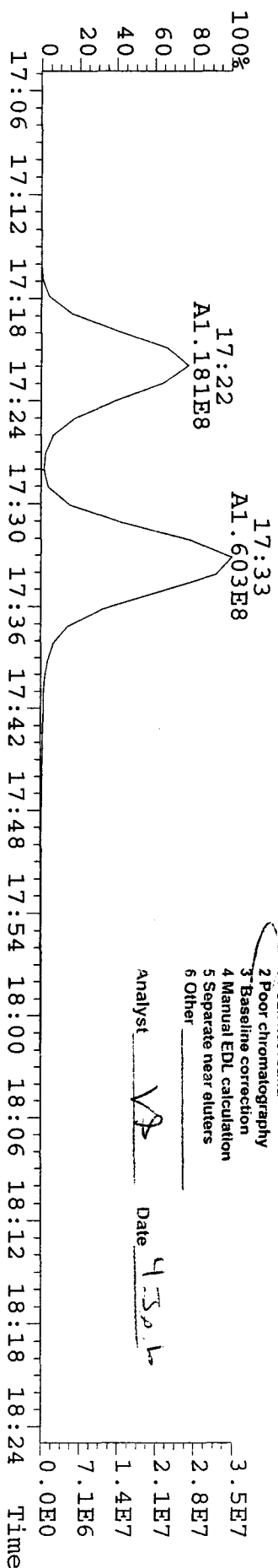
File: 29API01D5 #1-384 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 319.8965 S: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6940.0,1.00%,F,T) Exp: DIOXINRES Noise>
 Sample Text: LX0PR-1-AE : GOD140543-10



File: 29API01D5 #1-384 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 321.8936 S: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6680.0,1.00%,F,T) Exp: DIOXINRES Noise>
 Sample Text: LX0PR-1-AE : GOD140543-10



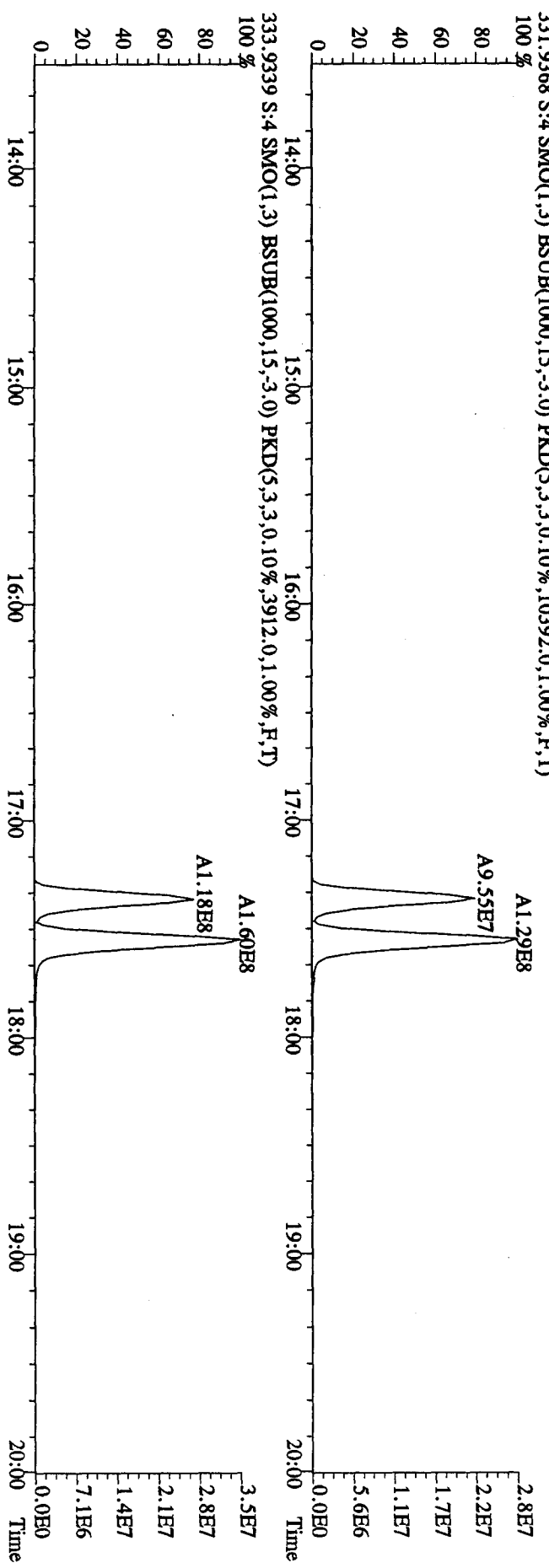
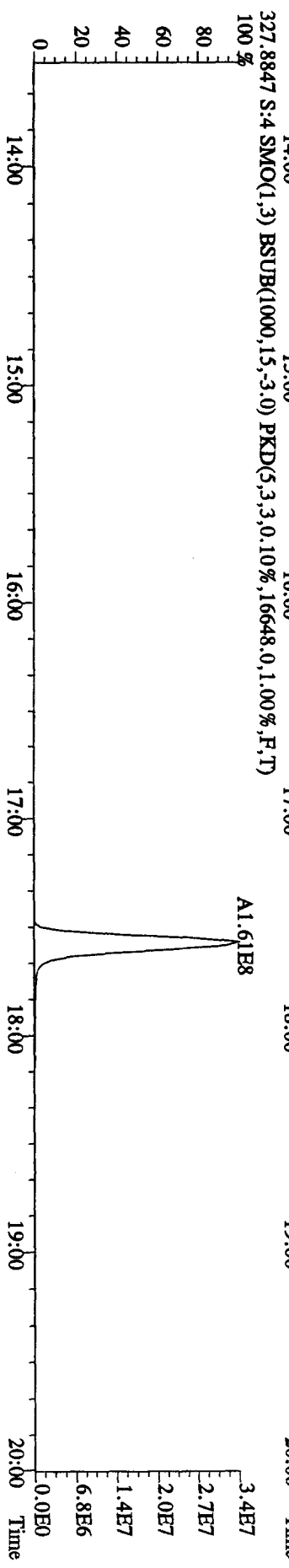
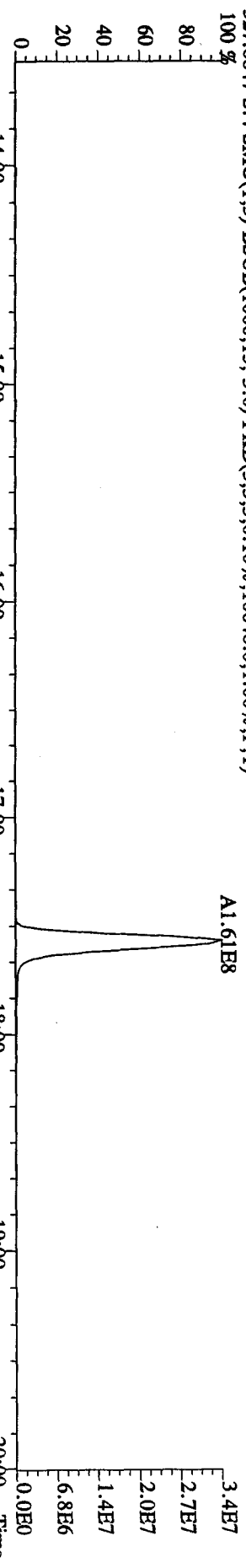
File: 29API01D5 #1-384 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 333.9339 S: 4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3912. Manual Edit Codes Exp: DIOXINRES Noise>
 Sample Text: LX0PR-1-AE : GOD140543-10



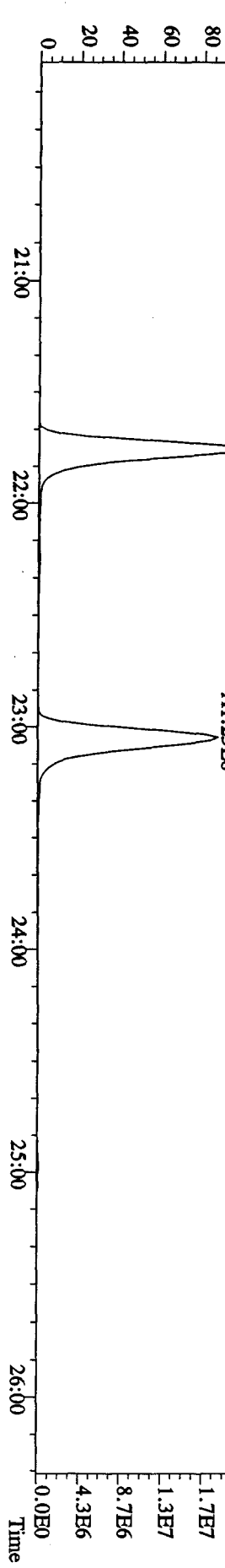
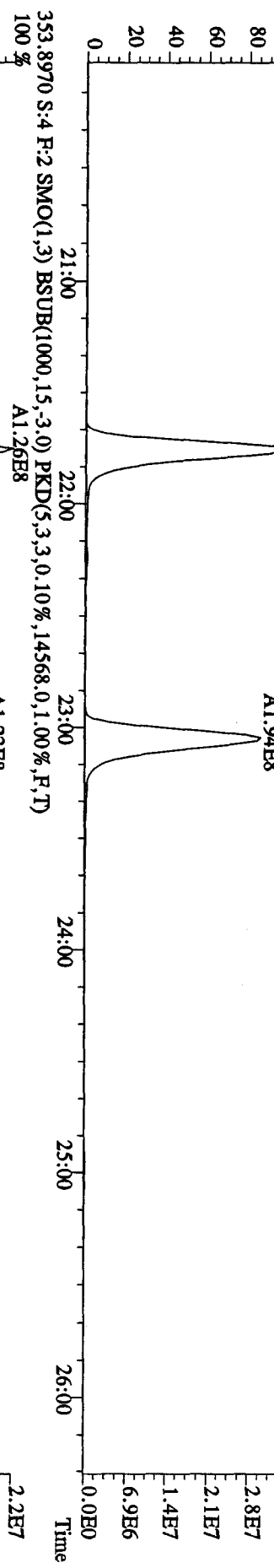
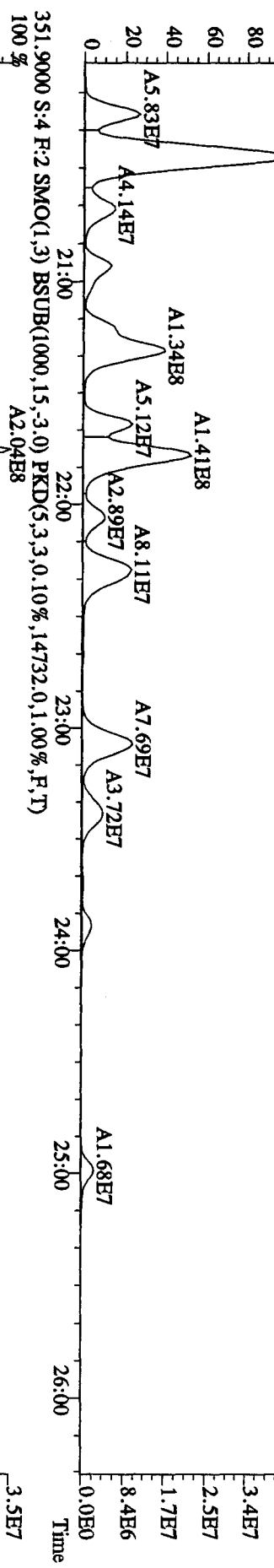
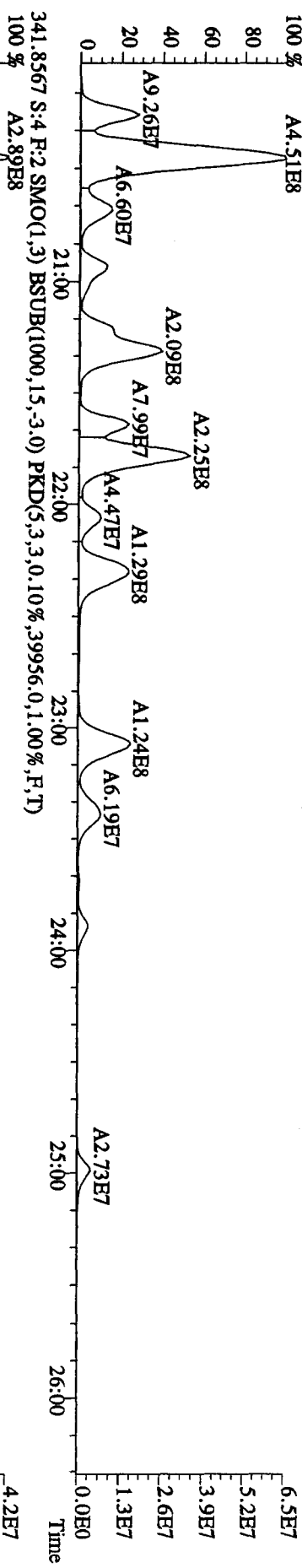
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VB Date 4-30-10

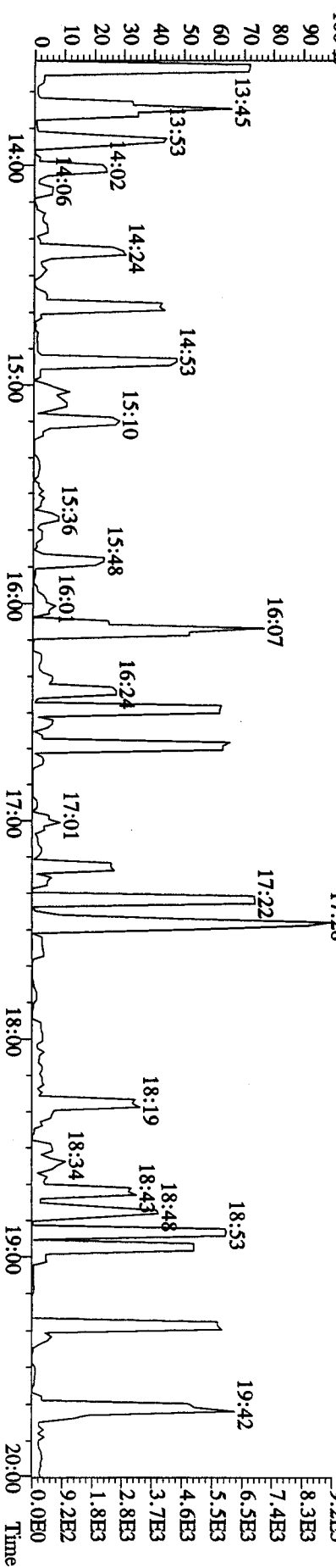
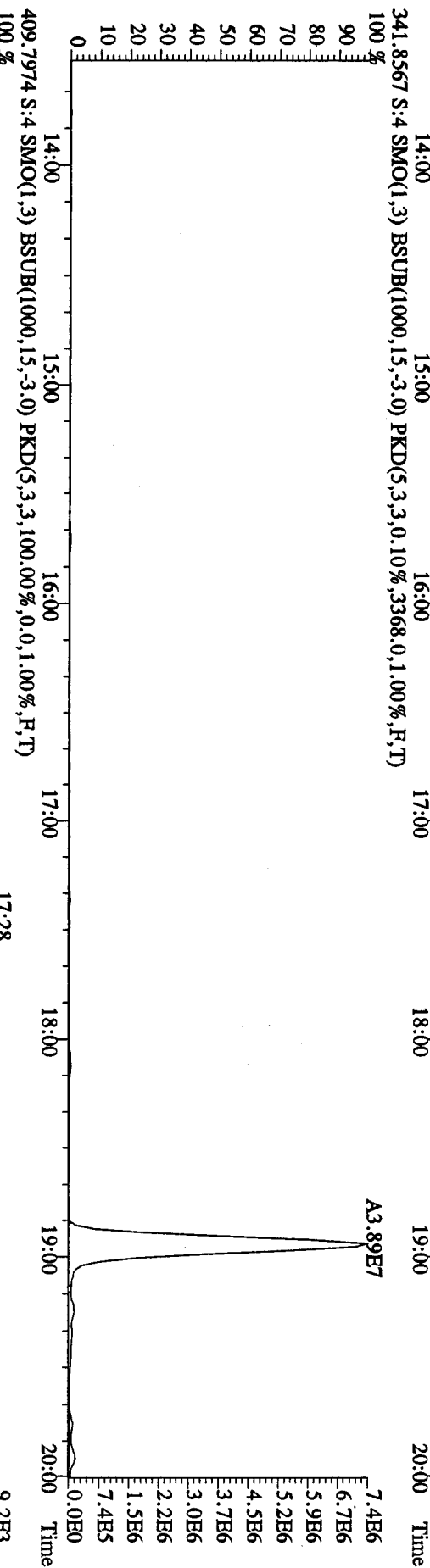
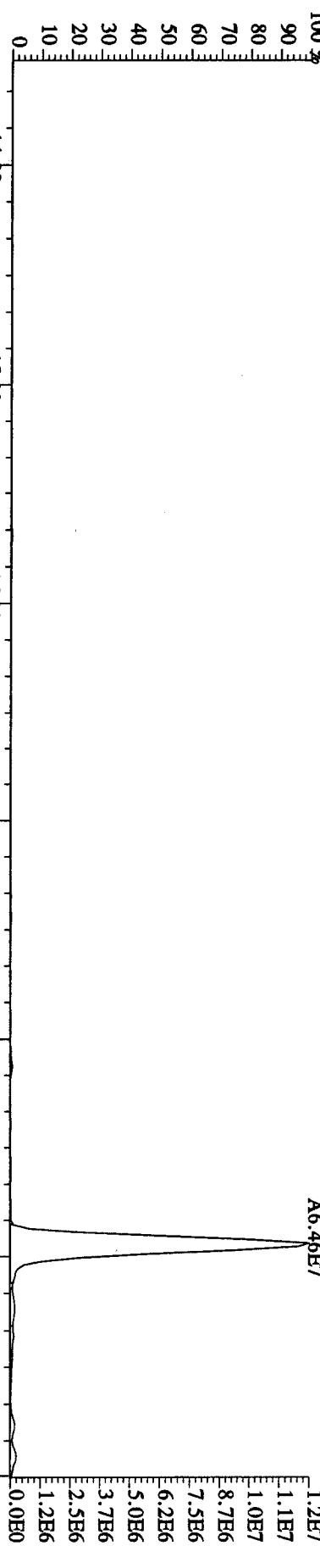
File:29AP101D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :G0D140543-10 Exp:DIOXINRES
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,16648,0,1,00%,F,T)



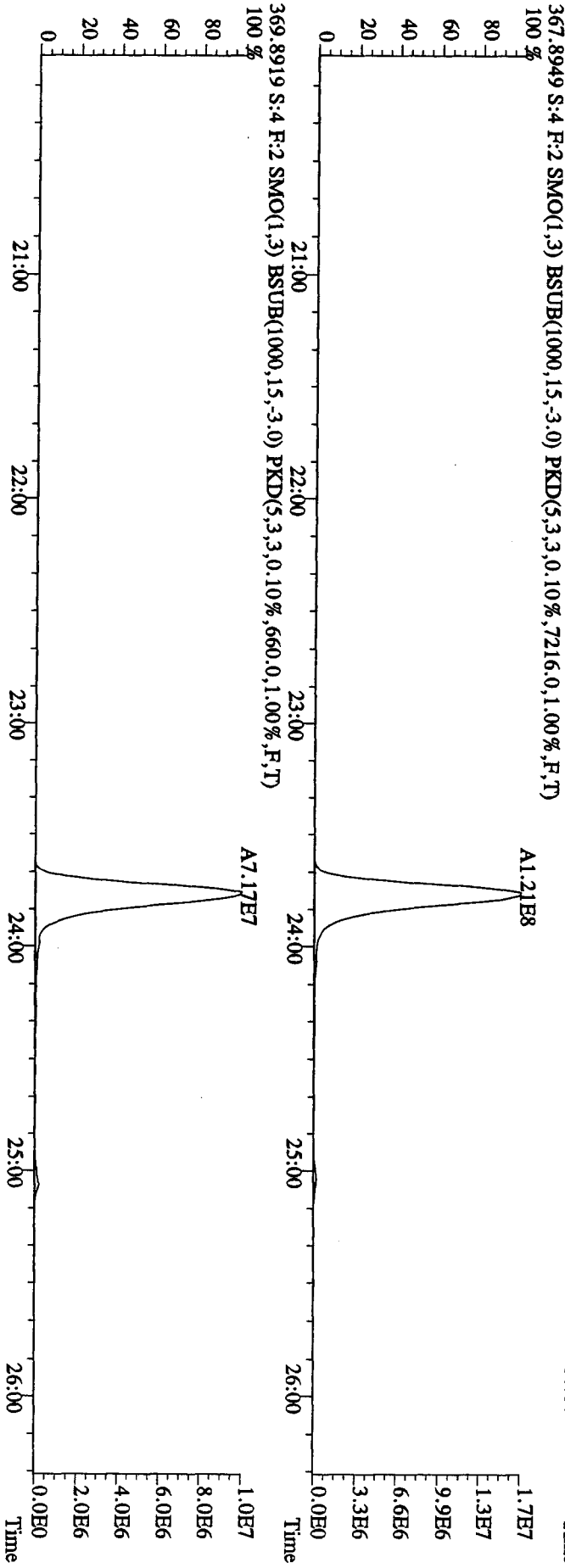
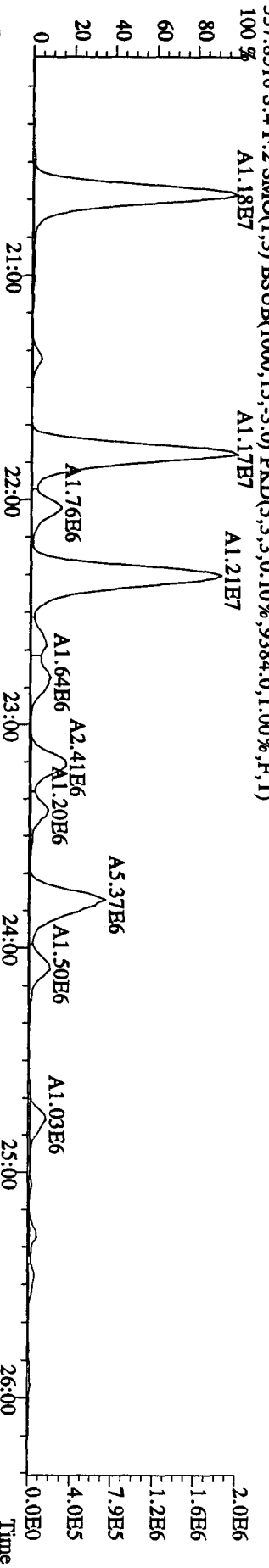
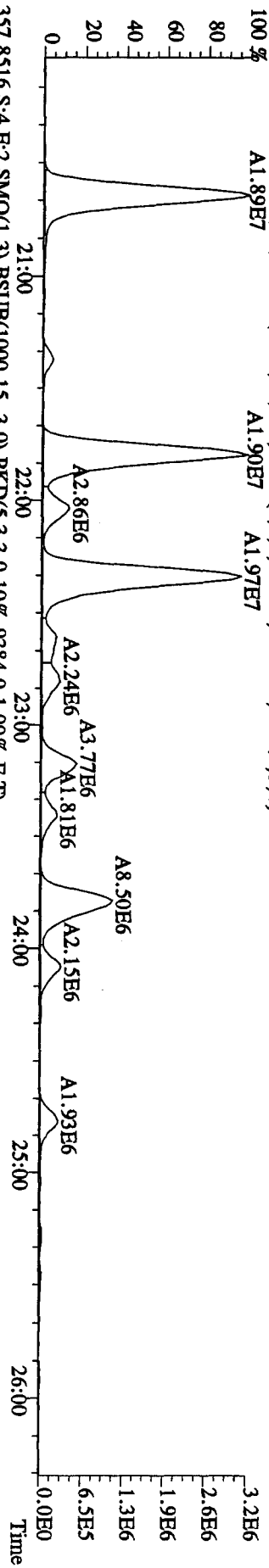
File:29AP1010D5 #1-445 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :GOD140543-10 Exp:DIOXINRES
 339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,49416,0,1,00%,F,T)
 100 % A4.51E8



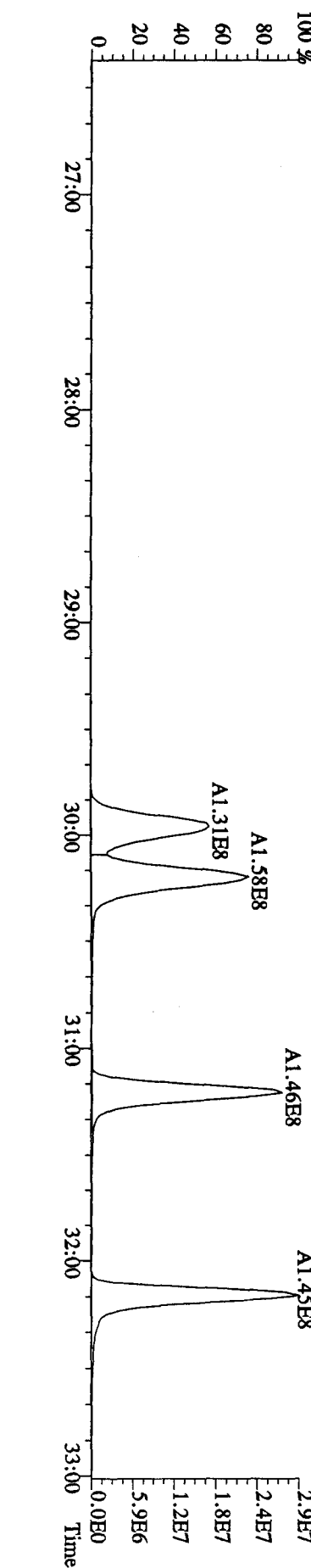
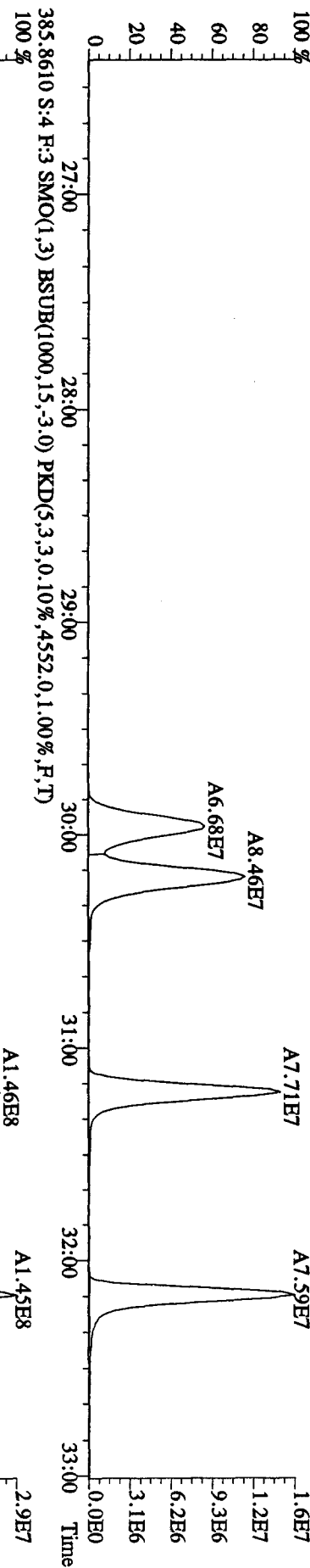
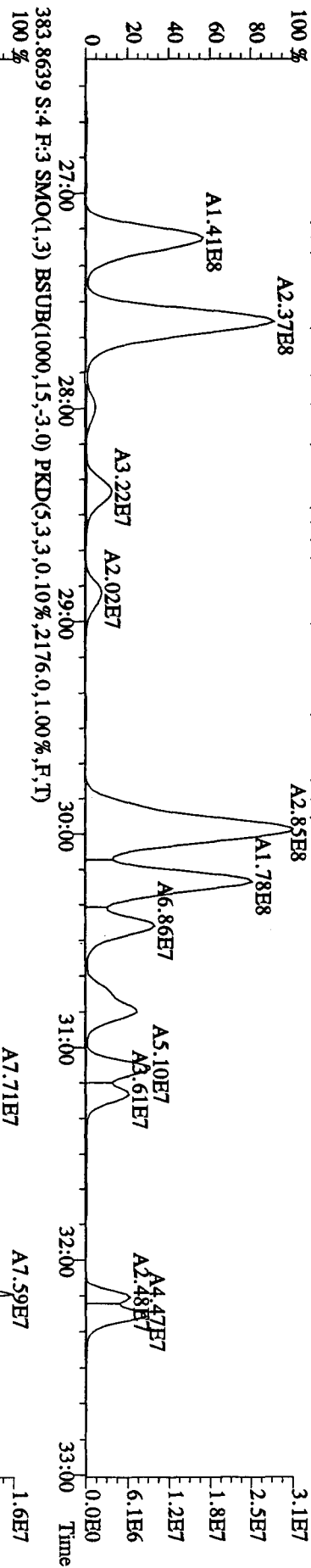
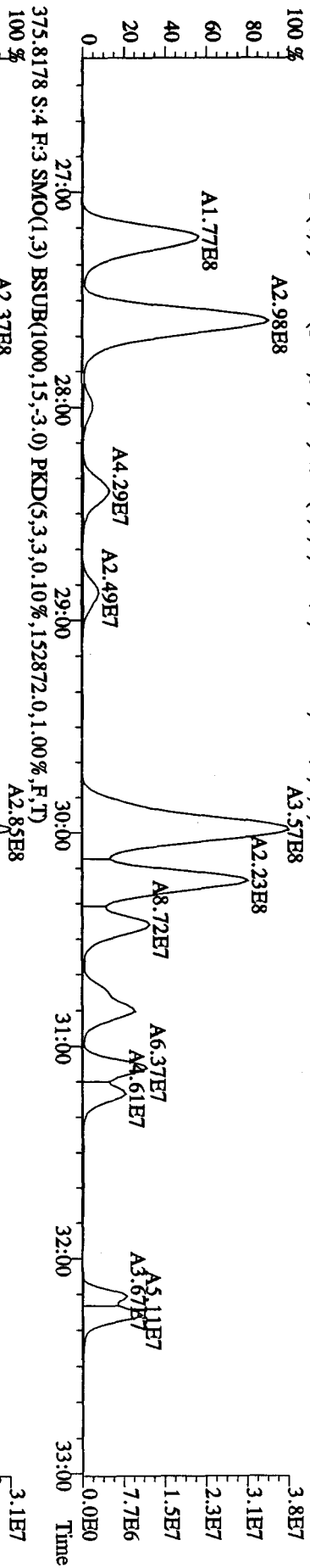
File:29AP1010D5 #1-384 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :GOD140543-10 Exp:DIOXINRES
 339.8597 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.3560,0,1,00%,F,T)



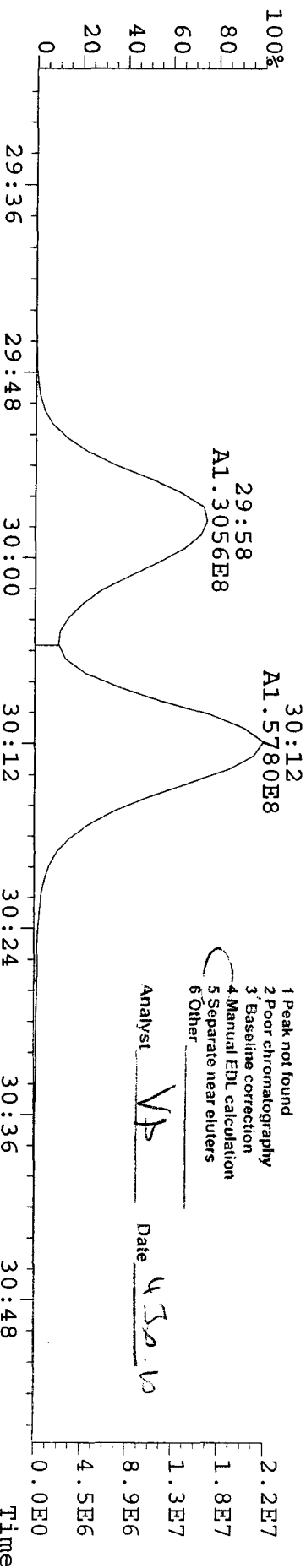
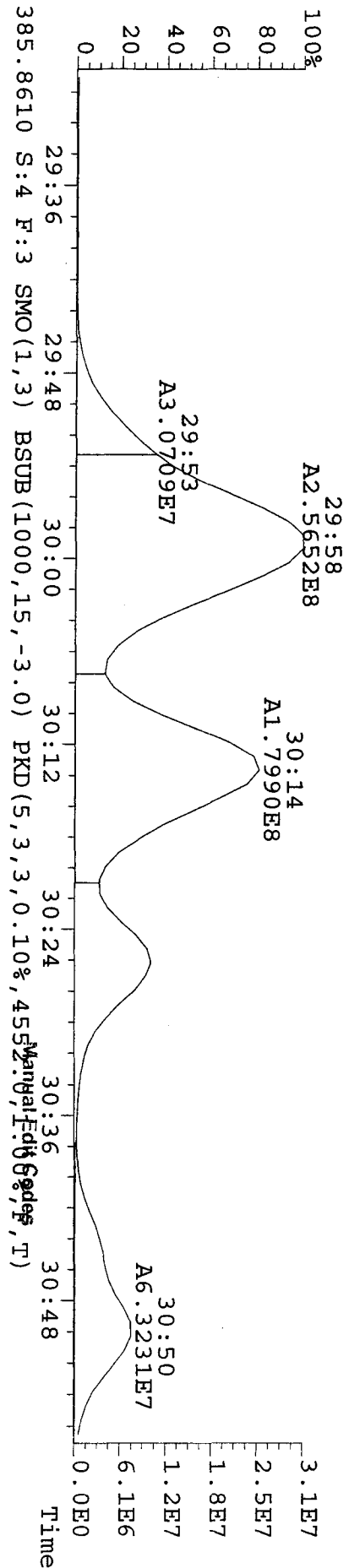
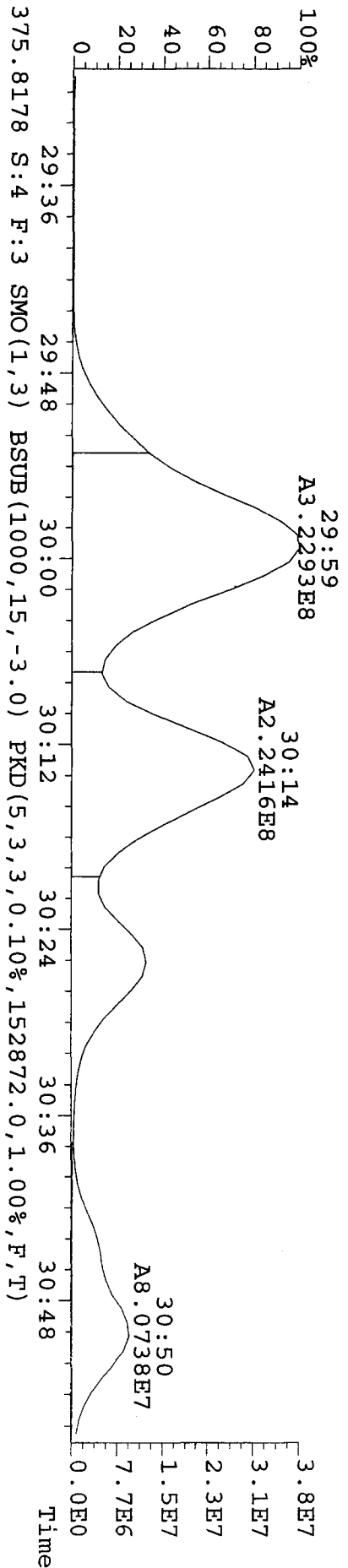
File:29AP101D5 #1-445 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :GOD140543-10 Exp:DIOXINRES
 357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9384,0,1.00%,F,T)
 100% A1.89E7 A1.90E7 A1.97E7



File:29AP1010D5 #1-447 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :G0DD140543-10 Exp:DIOXINRES
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.93748,0.1,0.00%,F,T)



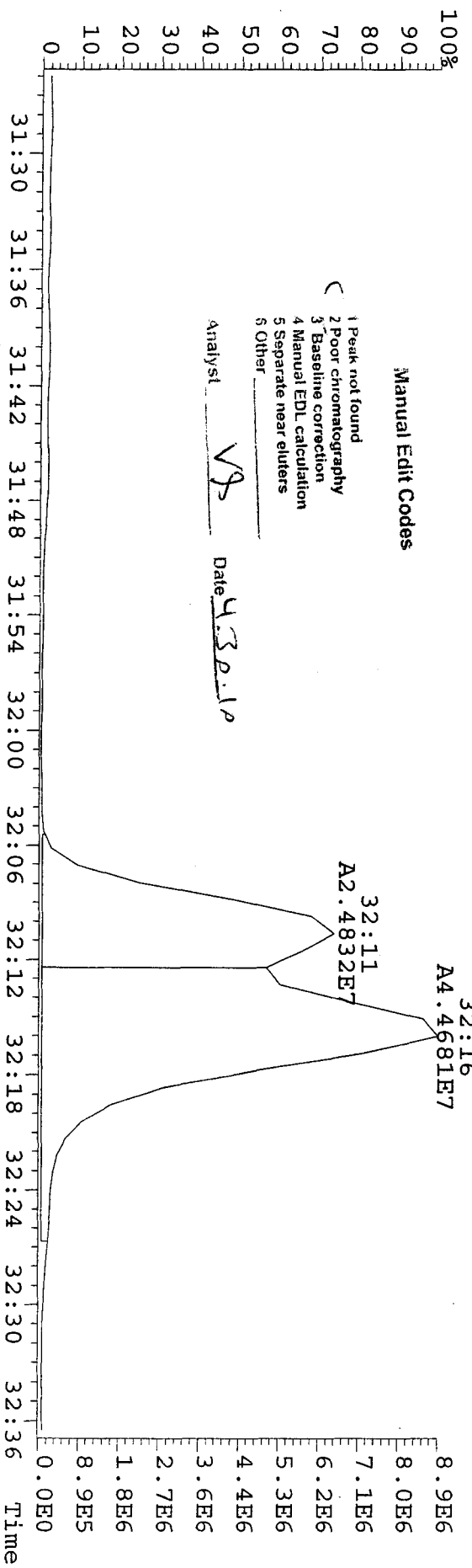
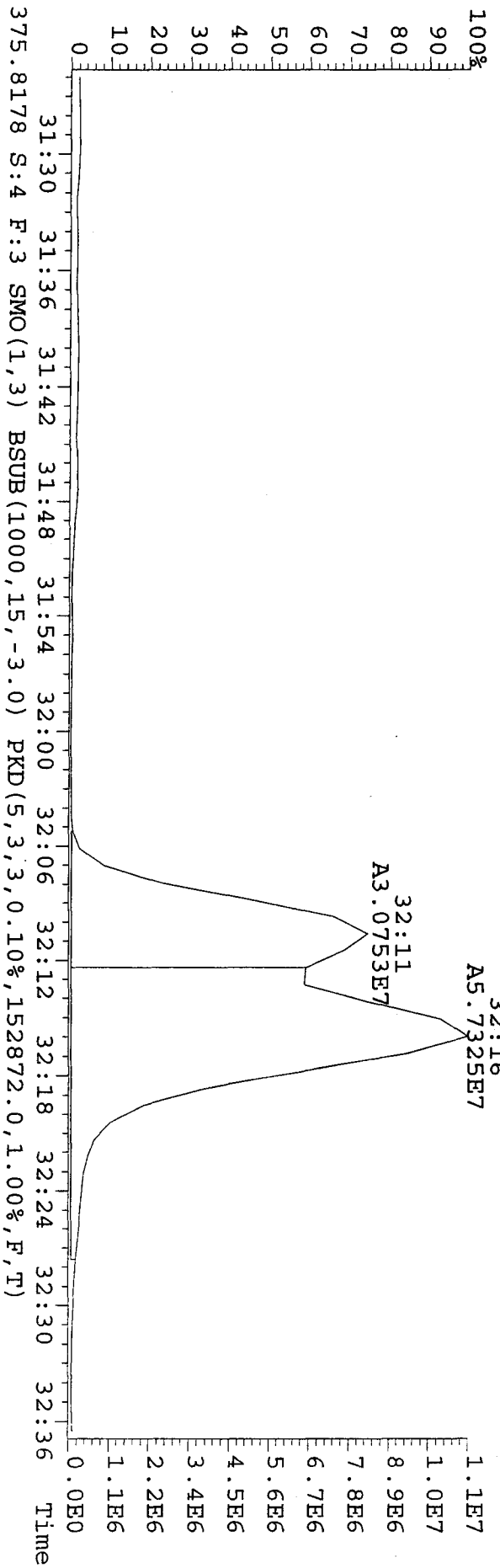
File: 29AP101D5 #1-447 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text: LKOPR-1-AE : GOD140543-10 Exp: DIOXINRES
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,193748.0,1.00%,F,T)



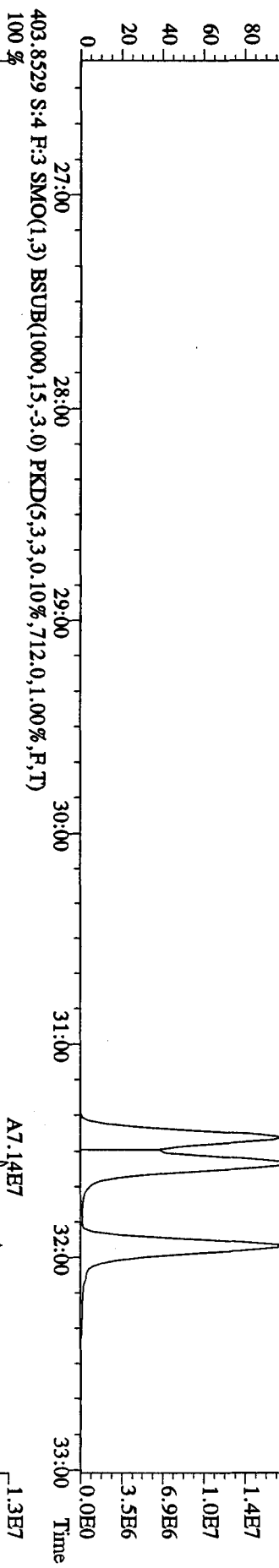
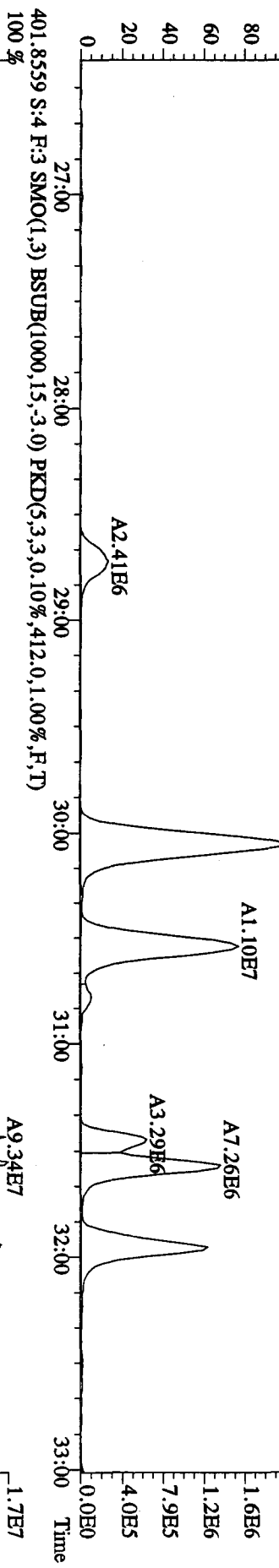
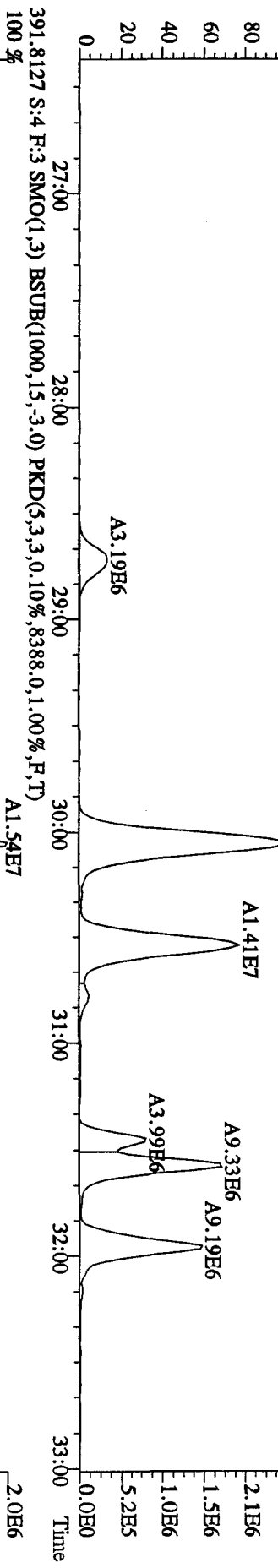
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VP Date 4/30/10

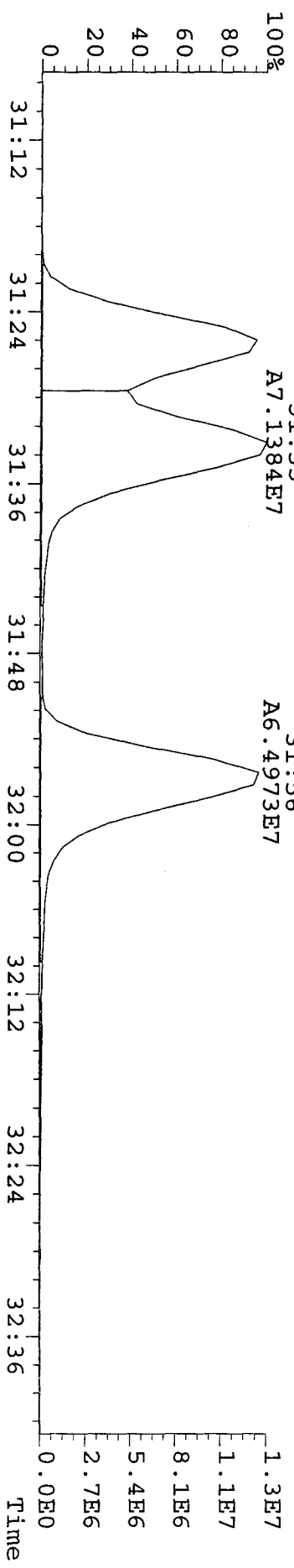
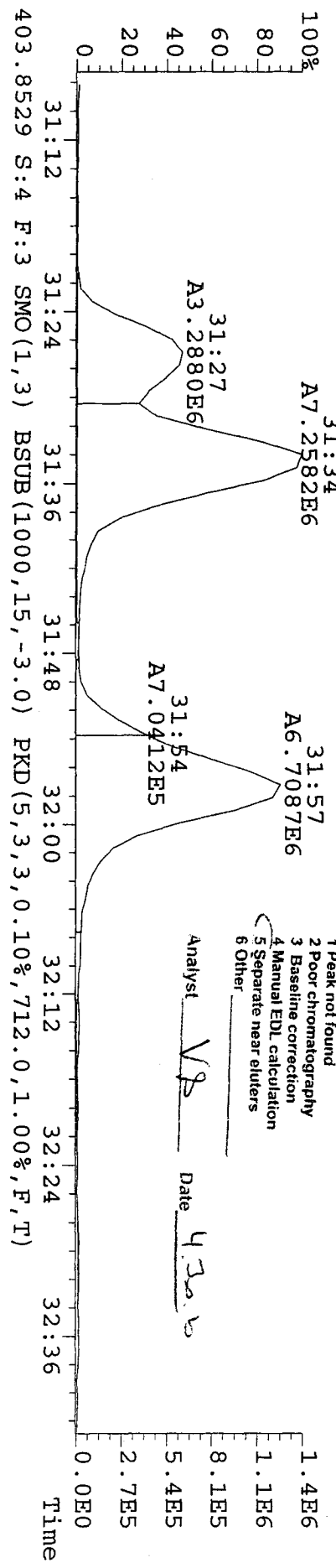
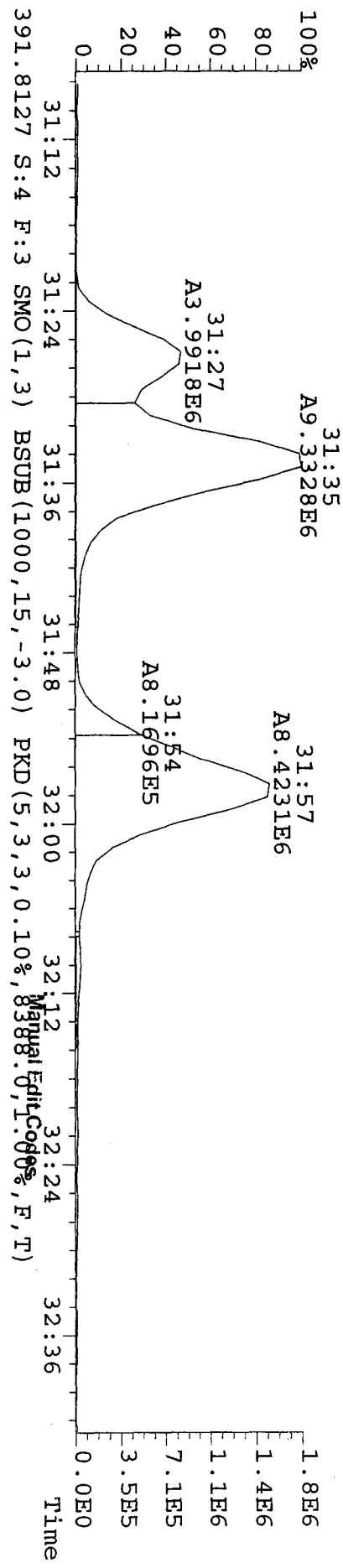
File: 29API01D5 #1-447 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text: LXOPR-1-AE :GOD140543-10 Exp: DIOXINRES
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,193748.0,1.00%,F,T)



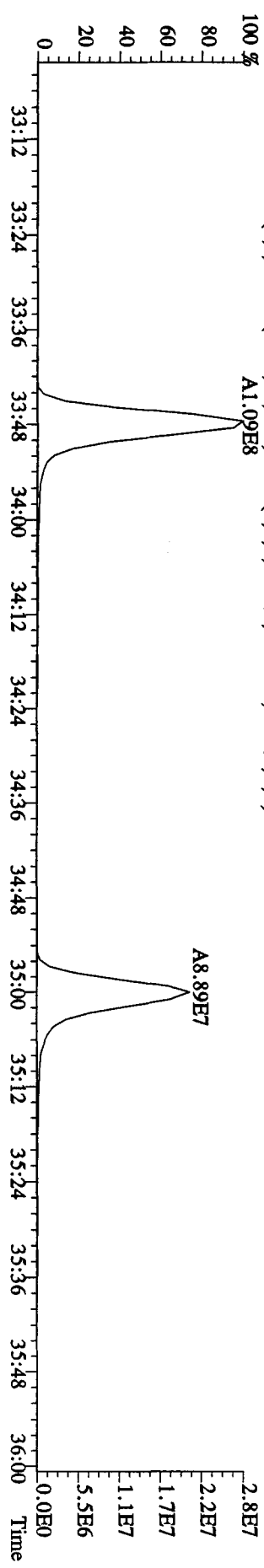
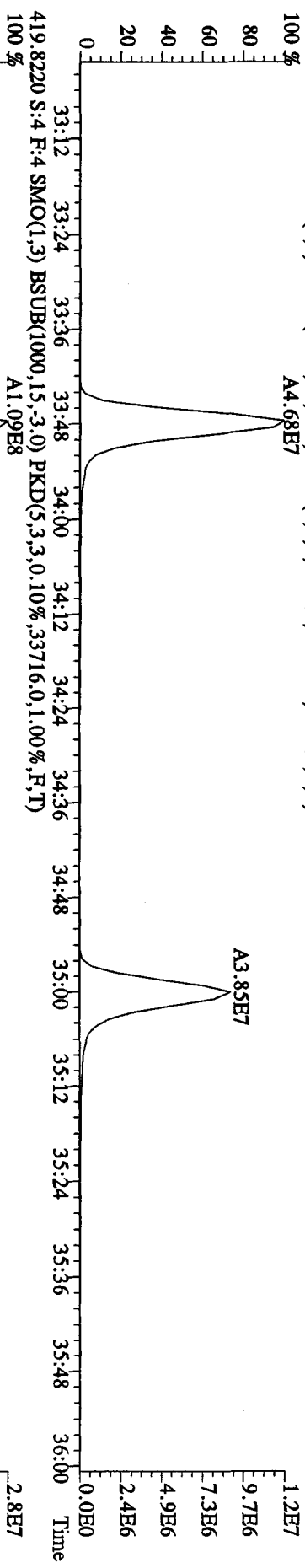
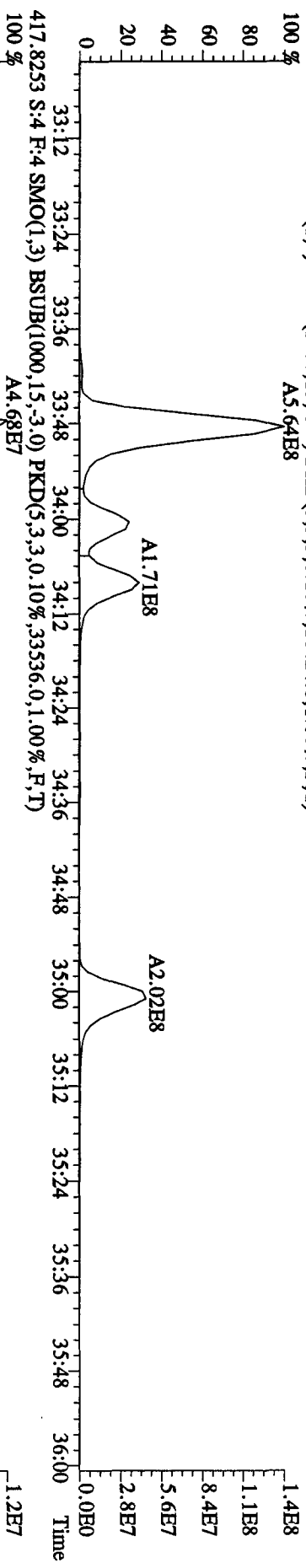
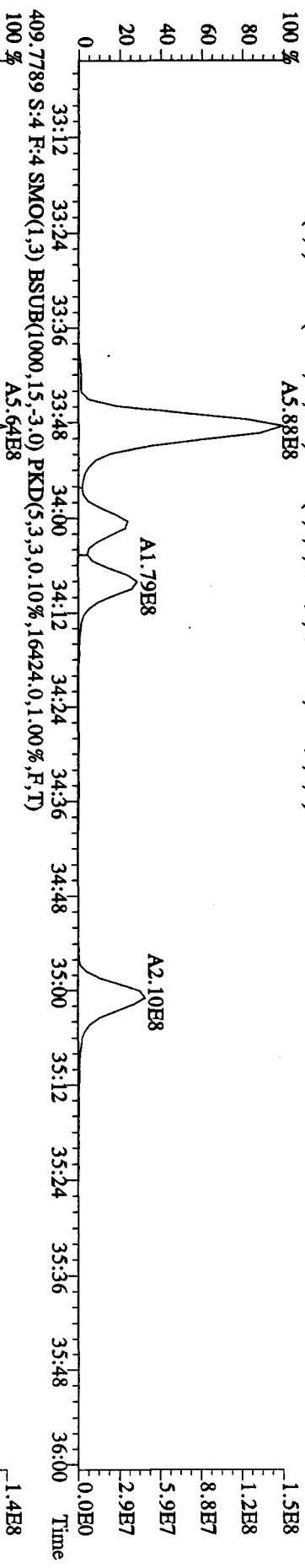
File:29AP101D5 #1-447 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :G0D140543-10 Exp:DIOXINRES
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7448.0,1.00%,F,T)



File: 29API10ID5 #1-447 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text: LXOPR-1-AE : GOD140543-10 Exp: DIOXINRES
 389.8157 S: 4 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7448.0,1.00%,F,T)



File:29AP101D5 #1-210 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Tex:LXOPR-1-AE :GOD140543-10 Exp:DIOXINES
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49500.0,1.00%,F,T)
 100%

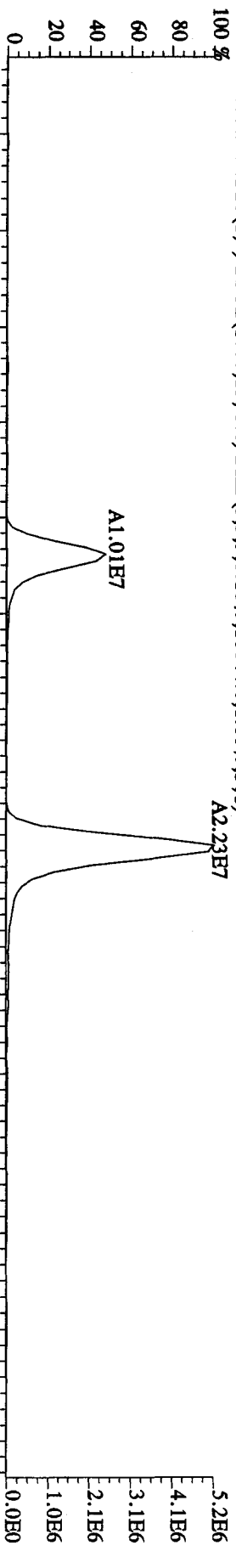


File:29AP101D5 #1-210 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE

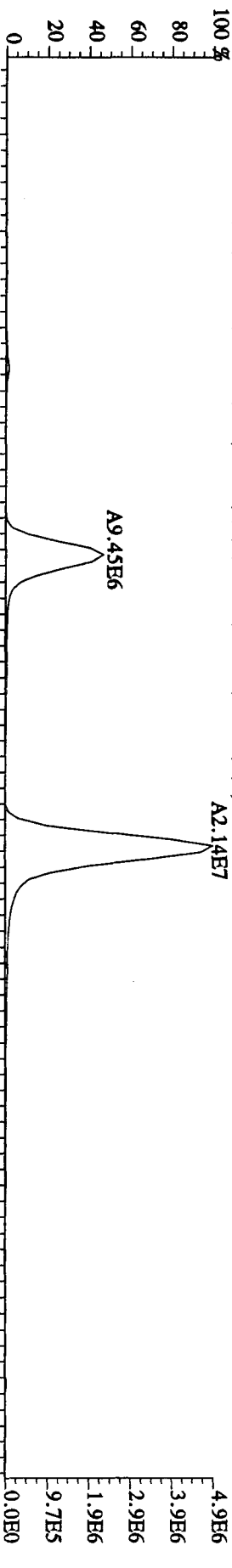
Sample#4 Text:LXOPR-1-AE :GOD140543-10

Exp:DIOXINRES

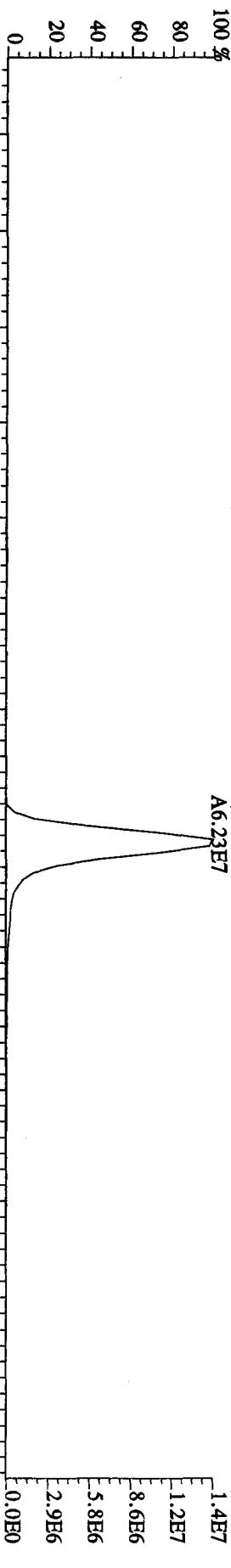
423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10644.0,1.00%,F,T)



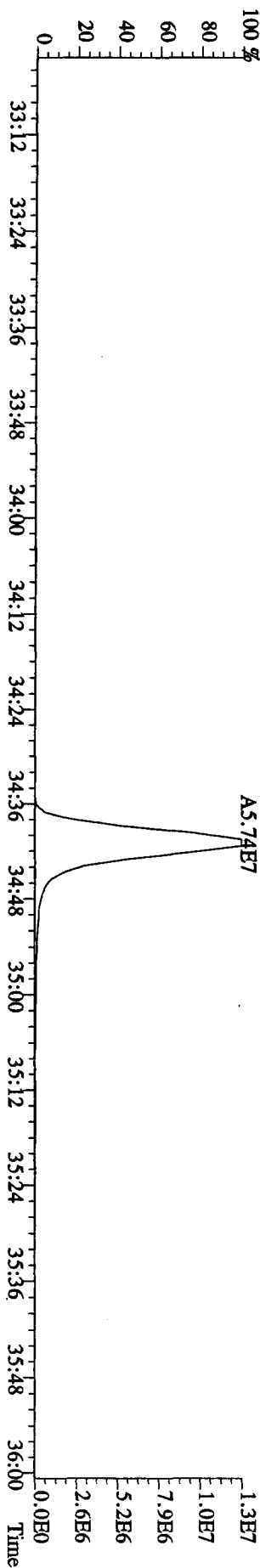
425.7737 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8700.0,1.00%,F,T)



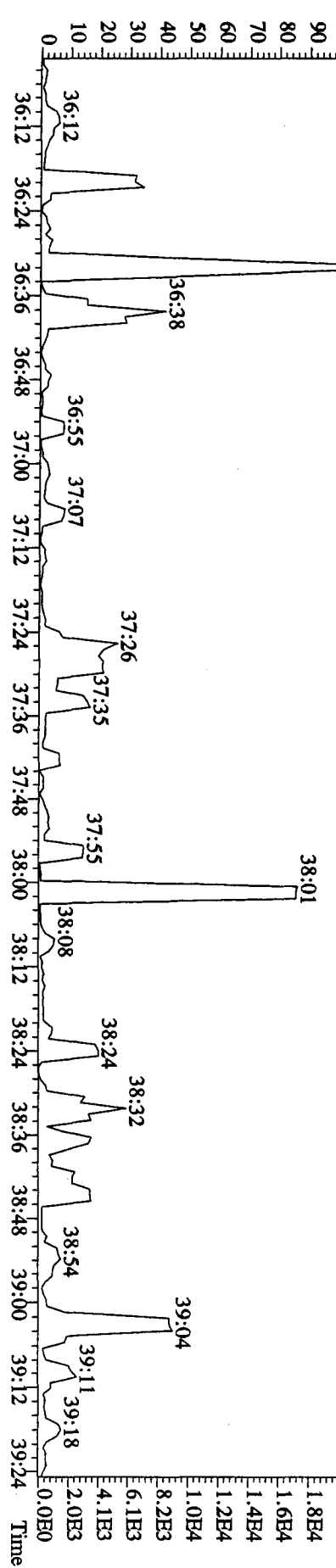
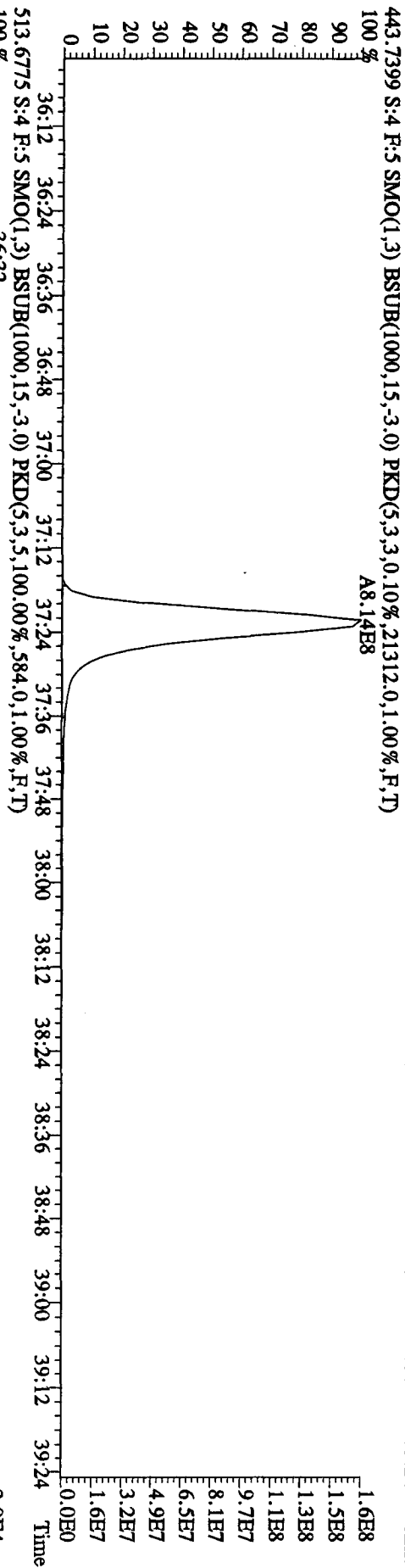
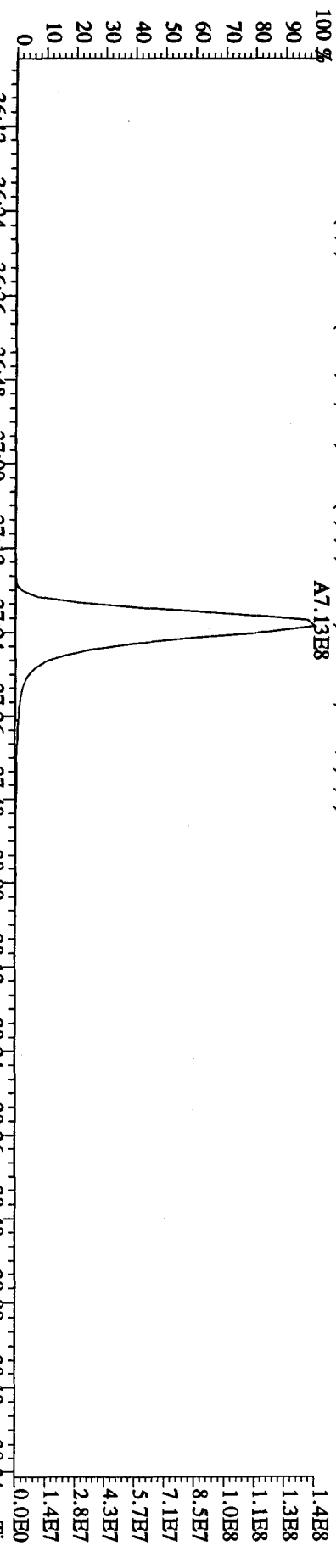
435.8169 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11572.0,1.00%,F,T)



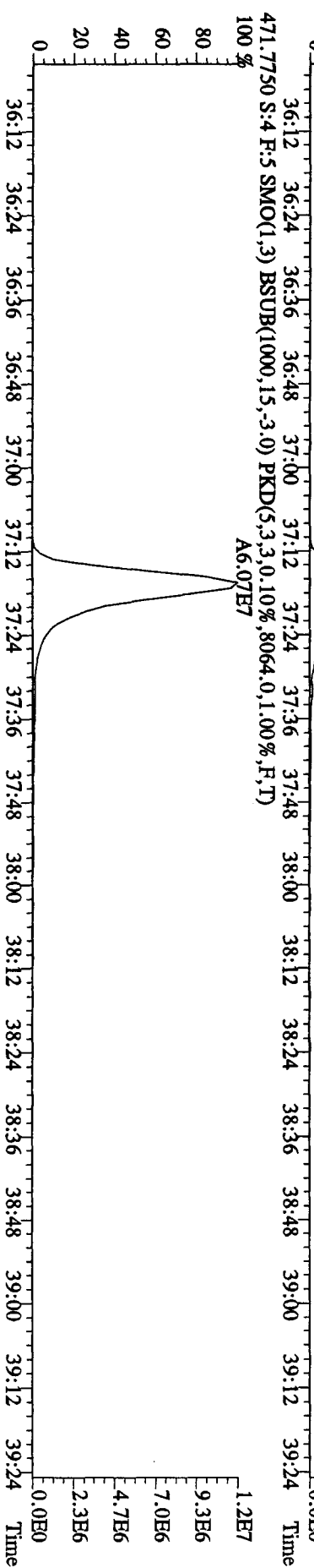
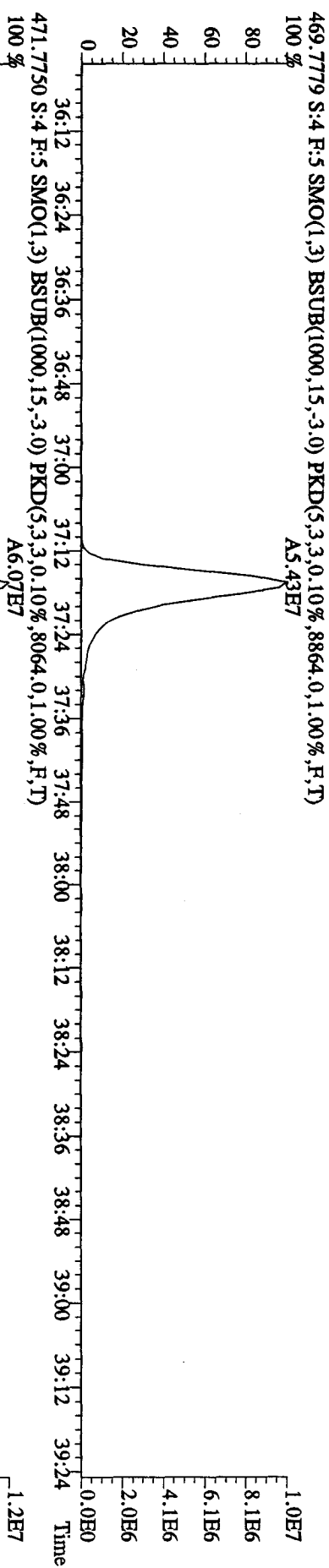
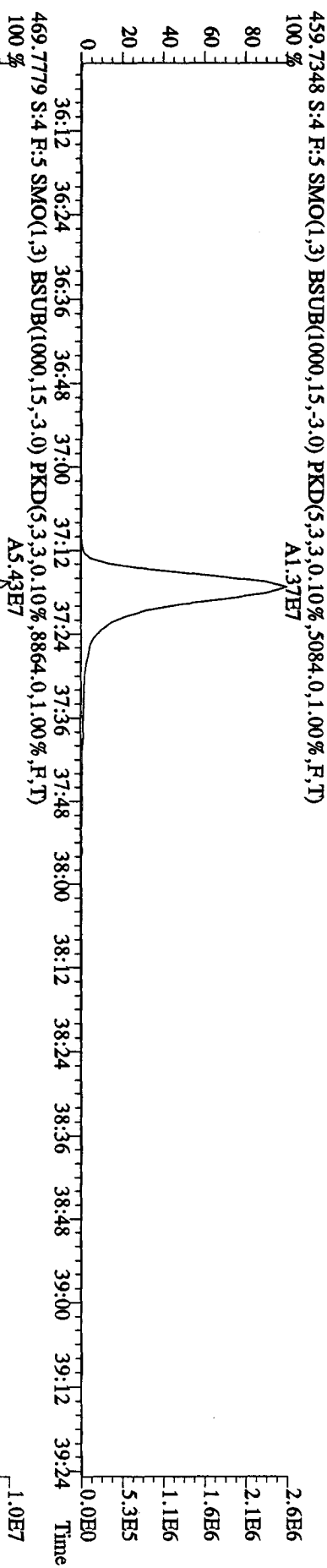
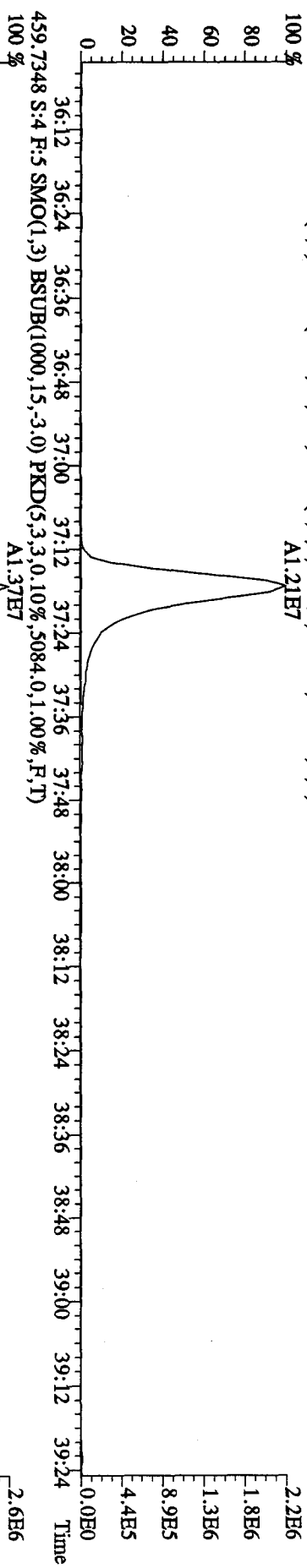
437.8140 S:4 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7856.0,1.00%,F,T)

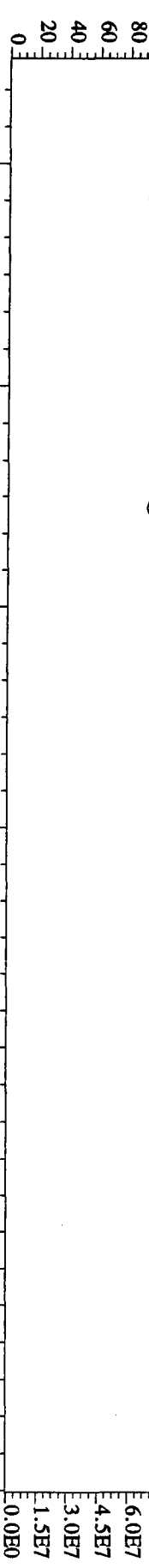


File:29AP101D5 #1-244 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :GOD140543-10 Exp:DIOXINES
 441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17908.0,1.00%,F,T)
 100%

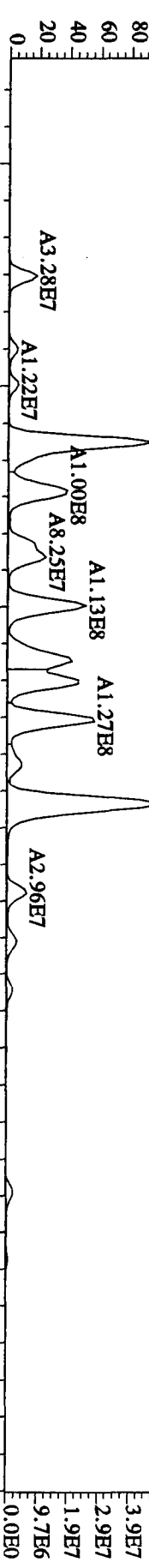


File:29AP101D5 #1-244 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :GOD140543-10 Exp:DIOXINES
 457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5704.0,1.00%,F,T)
 100 % A1.21E7

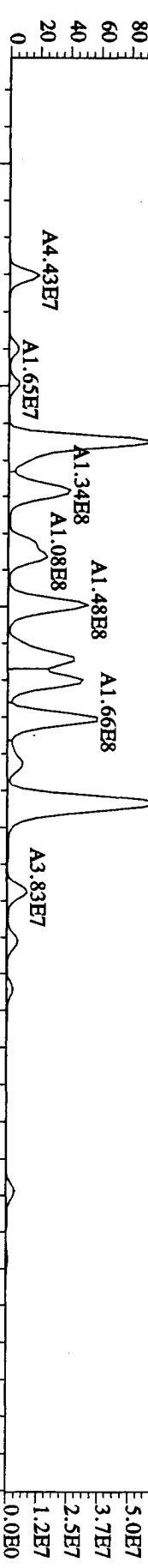




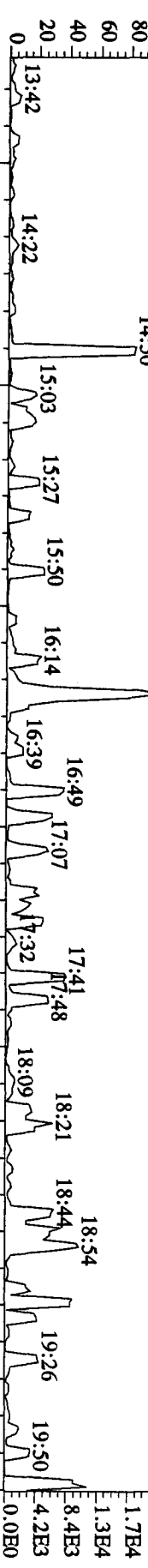
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32188,0.1,0.00%,F,T)



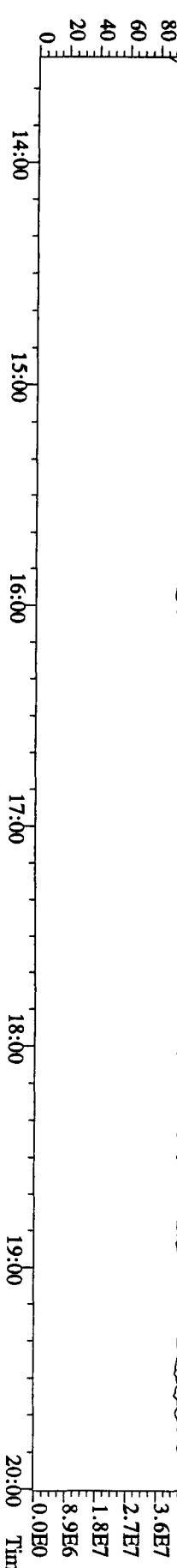
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42764,0.1,0.00%,F,T)



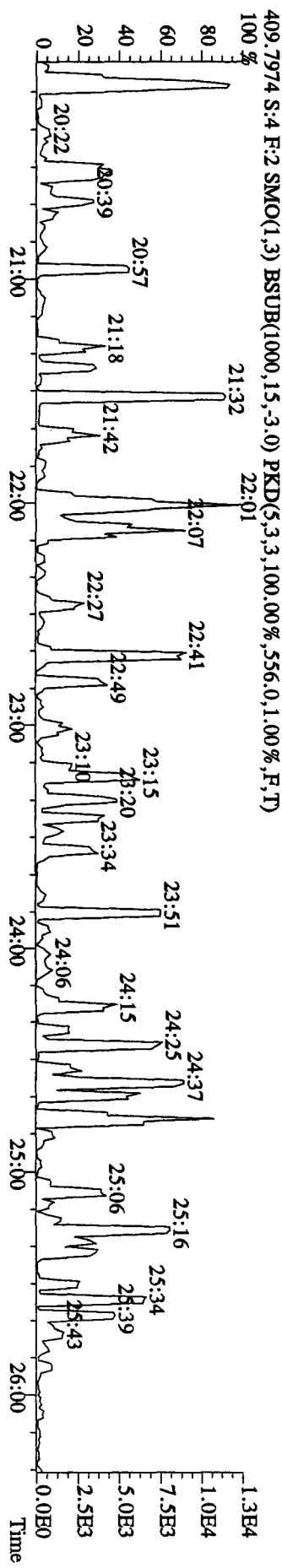
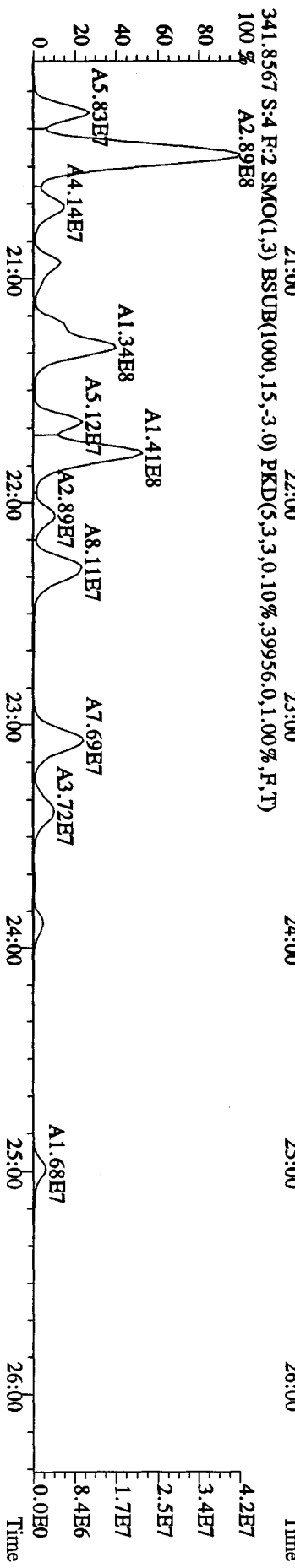
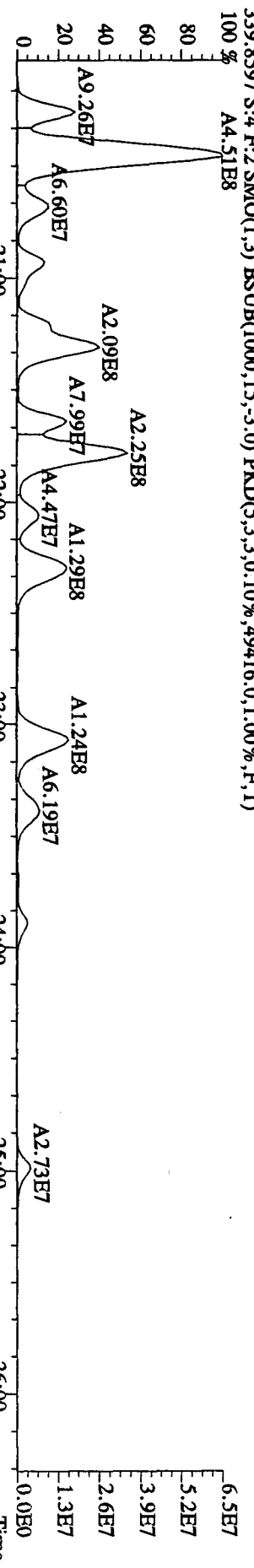
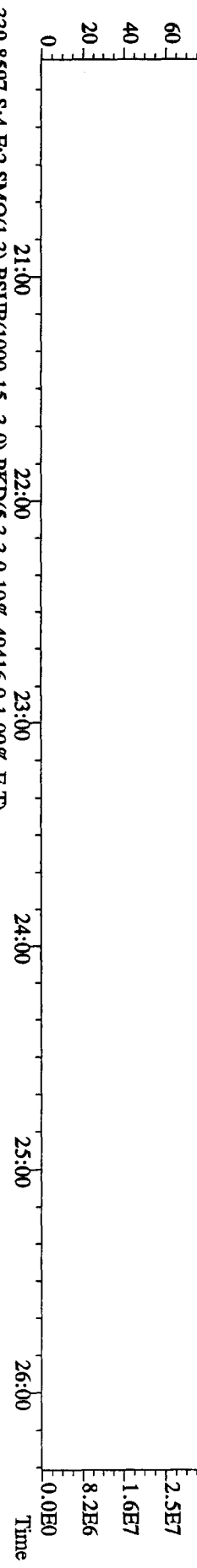
375.8364 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,664,0.1,0.00%,F,T)



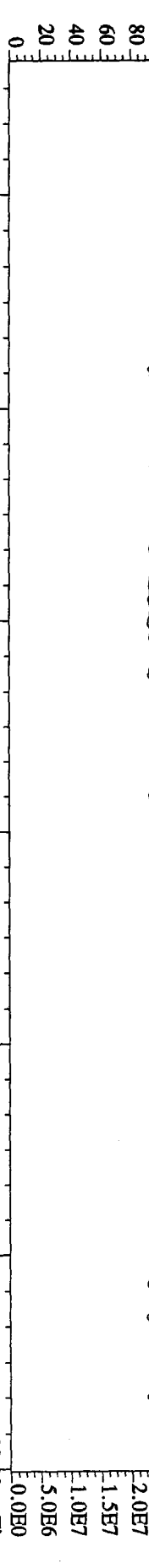
330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



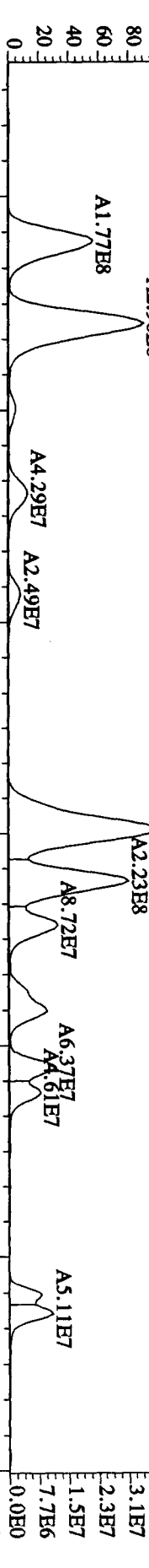
File:29AP1010D5 #1-445 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LX0PR-1-AE :GOD140543-10 Exp:DIOXINES
 342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 20:21 20:45 21:07 21:29 21:51 22:16 23:02 23:22 23:47 24:08 24:31 24:51 25:14 25:50 26:17



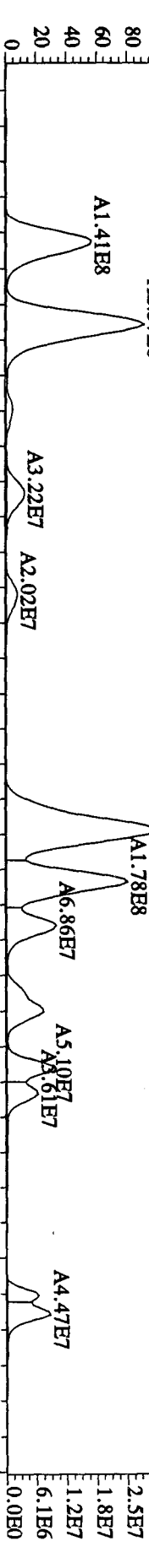
File:29AP101D5 #1-447 Acq:29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :GOD140543-10 Exp:DIOXINRES
 392.9760 S:4 F:3 SMO(1,3) PKD(5,3,100.00%,0.0,1.00%,F,T)
 100% 26:34 27:12 27:33 28:06 28:45 29:25 29:51 30:19 30:41 31:12 31:39 32:01 32:22 32:50



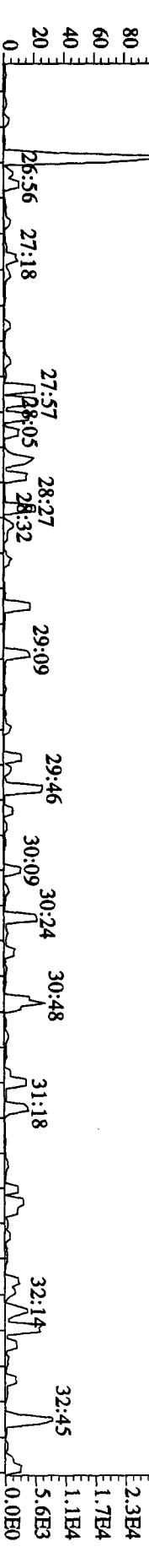
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,193748,0.1,0.0%,F,T)
 100% 27:00 28:00 29:00 30:00 31:00 32:00 33:00
 3.8E7
 3.1E7
 2.3E7
 1.5E7
 7.7E6
 0.0E0



375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,152872,0.1,0.0%,F,T)
 100% 27:00 28:00 29:00 30:00 31:00 32:00 33:00
 3.1E7
 2.5E7
 1.8E7
 1.2E7
 6.1E6
 0.0E0



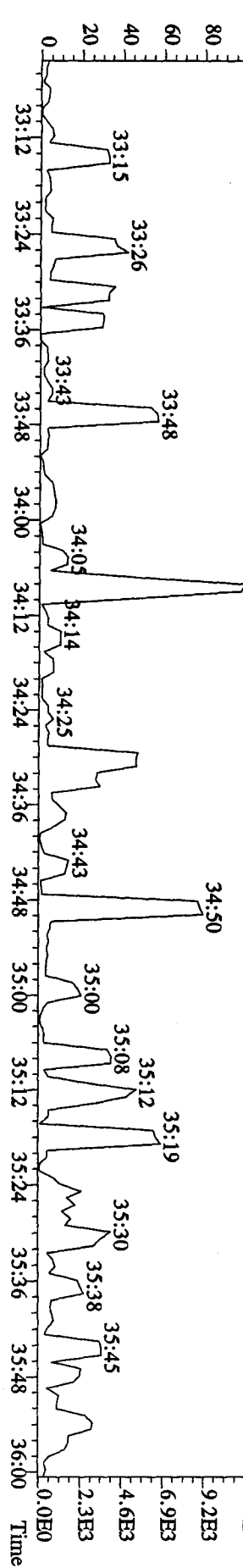
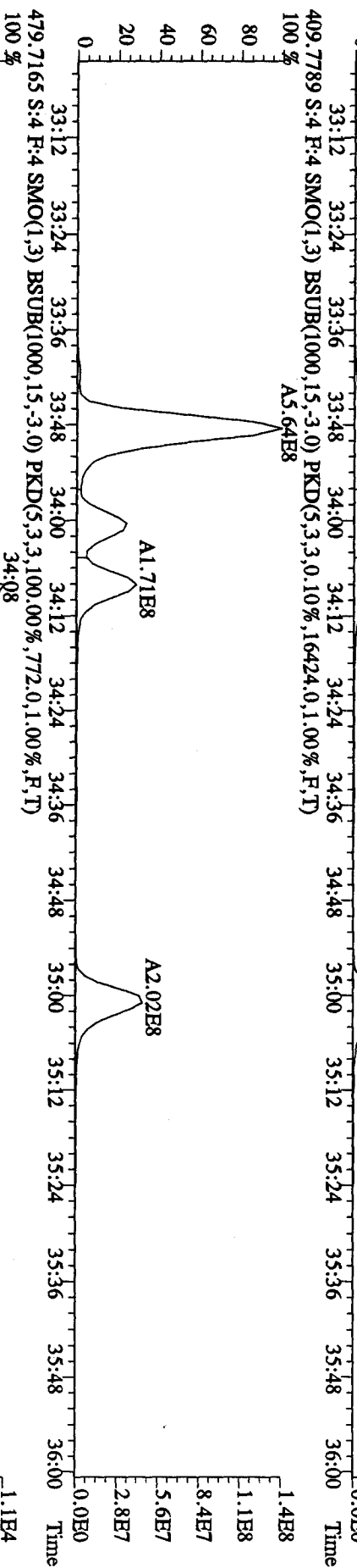
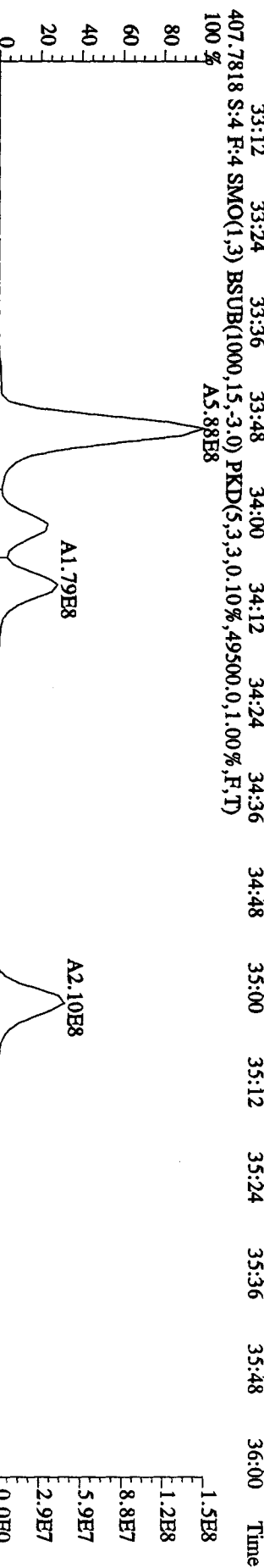
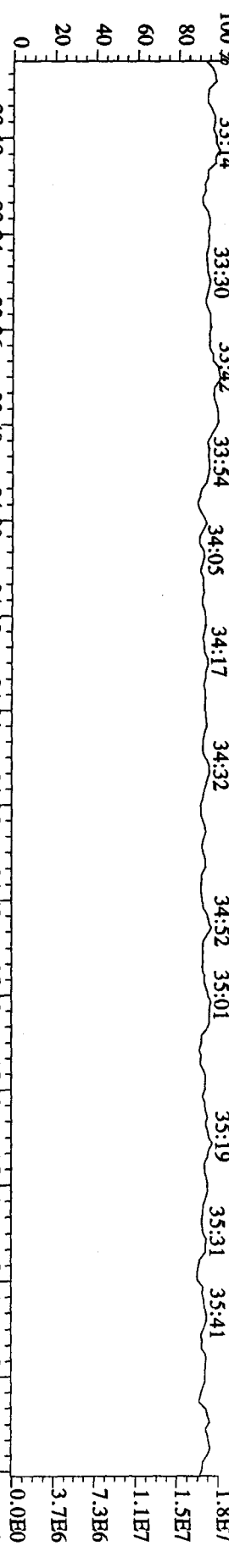
445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,100.00%,460,0.1,0.0%,F,T)
 100% 27:00 28:00 29:00 30:00 31:00 32:00 33:00
 2.8E4
 2.3E4
 1.7E4
 1.1E4
 5.6E3
 0.0E0



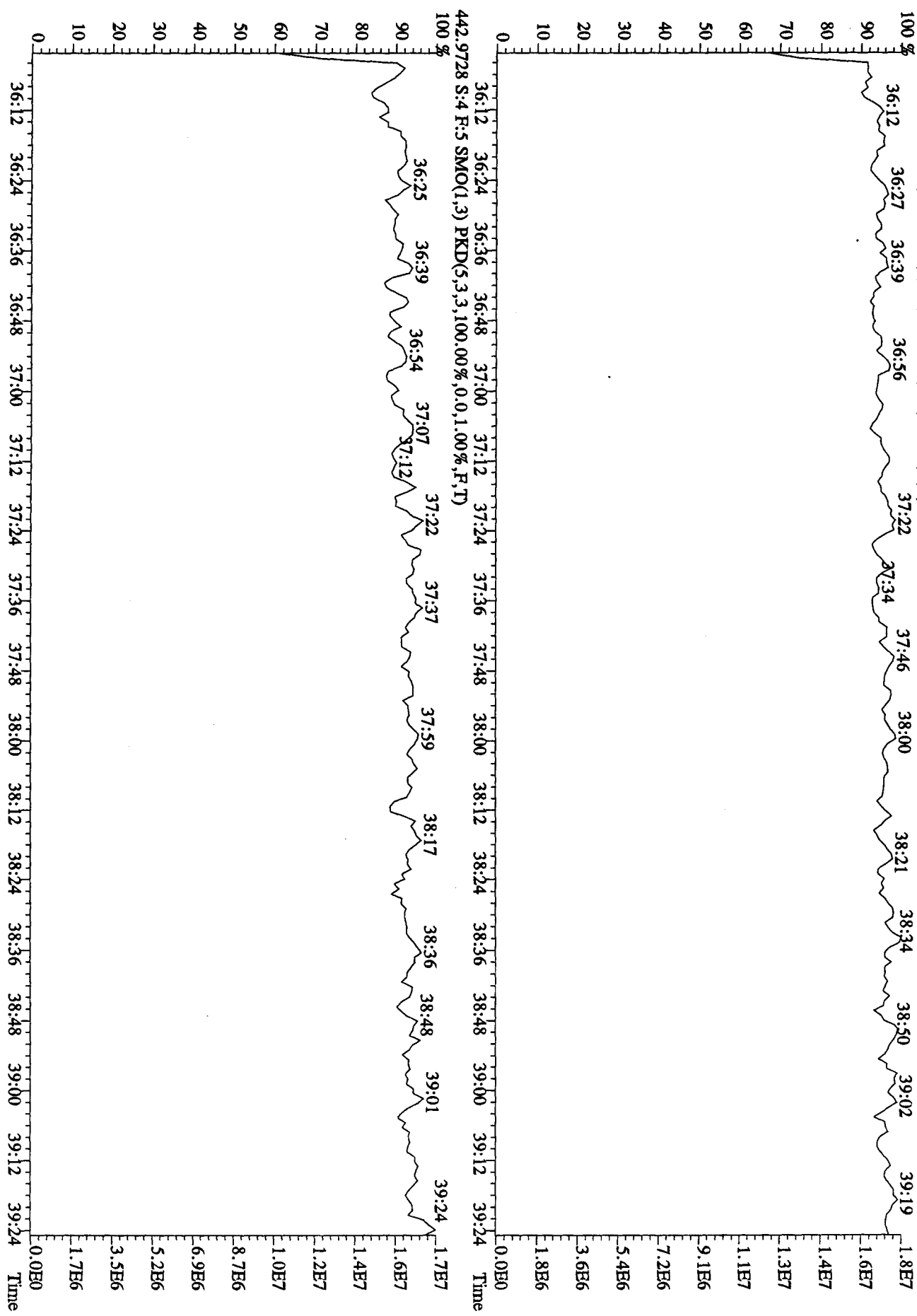
380.9760 S:4 F:3 SMO(1,3) PKD(5,3,100.00%,0.0,1.00%,F,T)
 100% 26:40 27:16 27:45 28:07 28:34 29:13 29:49 30:19 30:50 31:38 32:03 32:27 32:45 33:00
 3.2E7
 2.6E7
 1.9E7
 1.3E7
 6.4E6
 0.0E0



File:29API010ID5 #1-210 Acq:29-APR-2010 11:47:48 GC EI + Voltage SIR 70SE
 Sample#4 Text:LXOPR-1-AE :GOD140543-10 Exp:DIOXINRES



File: 29AP101D5 #1-244 Acq: 29-APR-2010 11:47:48 GC EI+ Voltage SIR 70SE
 Sample#4 Text: LXOPR-1-AE :GOD140543-10 Exp: DIOXINRES
 454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LXOPR-1-AF Sample text: LXOPR-1-AF :GOD140543-10MS
 Run #9 Filename: 29AP101D5 S: 8 I: 1 Results: 29ap101d58290vg
 Acquired: 29-APR-10 14:43:11 Processed: 29-APR-10 22:38:45
 Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.02 g

V8 4 30.5

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	244497000	0.83 y	17:23	-	7.83	-	-	n
13C-2,3,7,8-TCDF	366442000	0.81 y	16:53	1.57	95.51	0.12	47.9	n
2,3,7,8-TCDF	665005000	0.77 y	16:55	0.86	421.26	0.54	-	n
Total TCDF	3443929800	0.77 y	14:32	0.86	2181.62 <i>see DBZ 25</i>	0.54	-	n
13C-2,3,7,8-TCDD	265856000	0.81 y	17:34	0.99	109.25	0.16	54.7	n
2,3,7,8-TCDD	34053000	0.76 y	17:35	0.93	27.38 ✓	0.19	-	n
Total TCDD	263289452	0.75 y	15:25	0.93	211.69	0.19	-	n
37Cl-2,3,7,8-TCDD	332388000	1.00 y	17:35	2.22	61.17	0.10	76.6	n
13C-1,2,3,7,8-PeCDF	304015000	1.61 y	21:45	1.07	115.67	0.18	57.9	n
1,2,3,7,8-PeCDF	629266000	1.60 y	21:46	1.00	413.11 ✓	1.46	-	n
2,3,4,7,8-PeCDF	402688000	1.60 y	23:04	0.94	281.68 ✓	1.55	-	n
Total F2 PeCDF	3443333310	1.61 y	20:16	0.97	2328.06	1.50	-	n
Total F1 PeCDF	209038496	1.17 n	15:44	0.97	141.59	0.19	-	n
13C-1,2,3,7,8-PeCDD	193385500	1.64 y	23:46	0.67	118.46	0.13	59.3	n
1,2,3,7,8-PeCDD	117955700	1.64 y	23:47	0.93	131.03 ✓	0.58	-	n
Total PeCDD	304344714	1.64 y	20:39	0.93	338.08	0.58	-	n
13C-1,2,3,7,8,9-HxCDD	191754600	1.29 y	31:57	-	6.98	-	-	n
13C-1,2,3,4,7,8-HxCDF	210702600	0.51 y	29:57	0.89	122.83	0.63	61.5	n
1,2,3,4,7,8-HxCDF	1028812000	1.26 y	29:59	1.20	812.80 ✓	10.36	-	y
1,2,3,6,7,8-HxCDF	748070000	1.28 y	30:13	1.37	516.81 ✓	9.06	-	y
2,3,4,6,7,8-HxCDF	276517000	1.27 y	31:13	1.24	210.90 ✓	10.00	-	n
1,2,3,7,8,9-HxCDF	222376500	1.25 y	32:10	1.33	158.86 ✓	9.37	-	y
Total HxCDF	4286851300	1.26 y	27:12	1.28	3182.39	9.67	-	y
13C-1,2,3,6,7,8-HxCDD	181696100	1.26 y	31:33	0.73	129.17	0.13	64.7	n
1,2,3,4,7,8-HxCDD	96787300	1.28 y	31:27	0.97	109.62 ✓	0.25	-	n
1,2,3,6,7,8-HxCDD	136780700	1.29 y	31:34	1.06	141.97 ✓	0.23	-	n
1,2,3,7,8,9-HxCDD	142703200	1.26 y	31:57	1.28	122.93 ✓	0.19	-	n
Total HxCDD	497174170	1.20 y	28:43	1.10	495.13	0.22	-	n
13C-1,2,3,4,6,7,8-HpCDF	191614300	0.44 y	33:48	0.86	115.94	0.77	58.1	n
1,2,3,4,6,7,8-HpCDF	2086480000	1.04 y	33:49	1.29	1689.28 ✓	0.35	-	n
1,2,3,4,7,8,9-HpCDF	733831000	1.05 y	35:00	1.14	673.28 ✓	0.40	-	n
Total HpCDF	3946355550	1.04 y	33:49	1.21	3331.17	0.37	-	n
13C-1,2,3,4,6,7,8-HpCDD	159716200	1.09 y	34:41	0.75	110.51	0.68	55.4	n
1,2,3,4,6,7,8-HpCDD	168931300	1.04 y	34:42	1.00	211.58 ✓	0.30	-	n
Total HpCDD	212350970	2.26 n	33:40	1.00	265.96	0.30	-	n
13C-OCDD	205163400	0.94 y	37:17	0.56	189.18	0.66	47.4	n
OCDF	3023140000	0.89 y	37:23	1.44	4092.55 ✓	1.18	-	n

OCDD 184841000 0.89 y 37:17 1.11

324.15 ✓

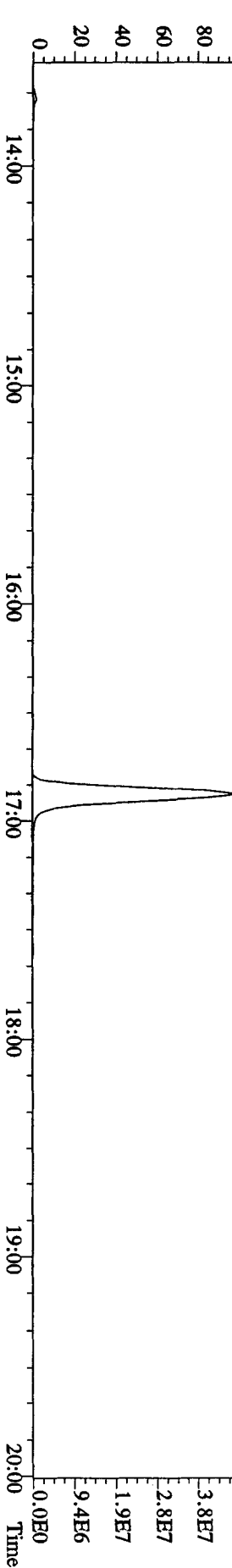
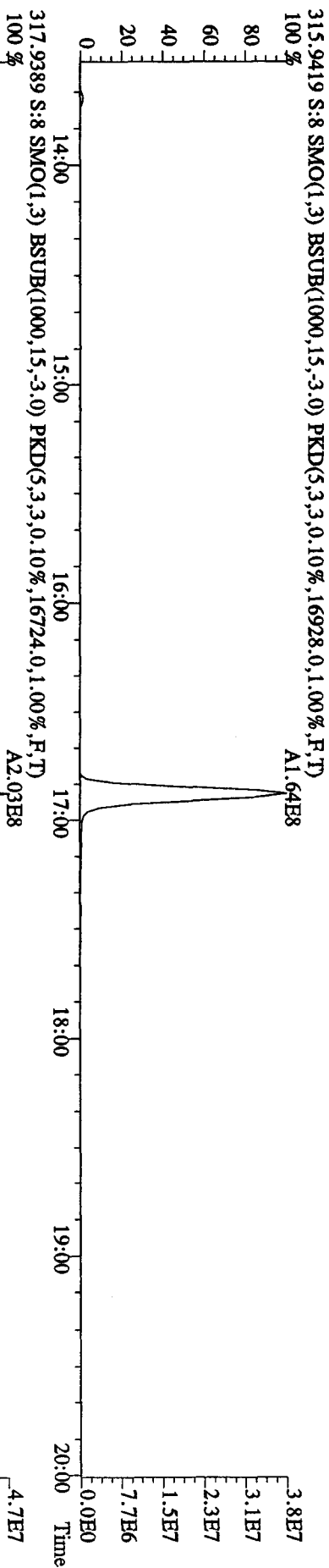
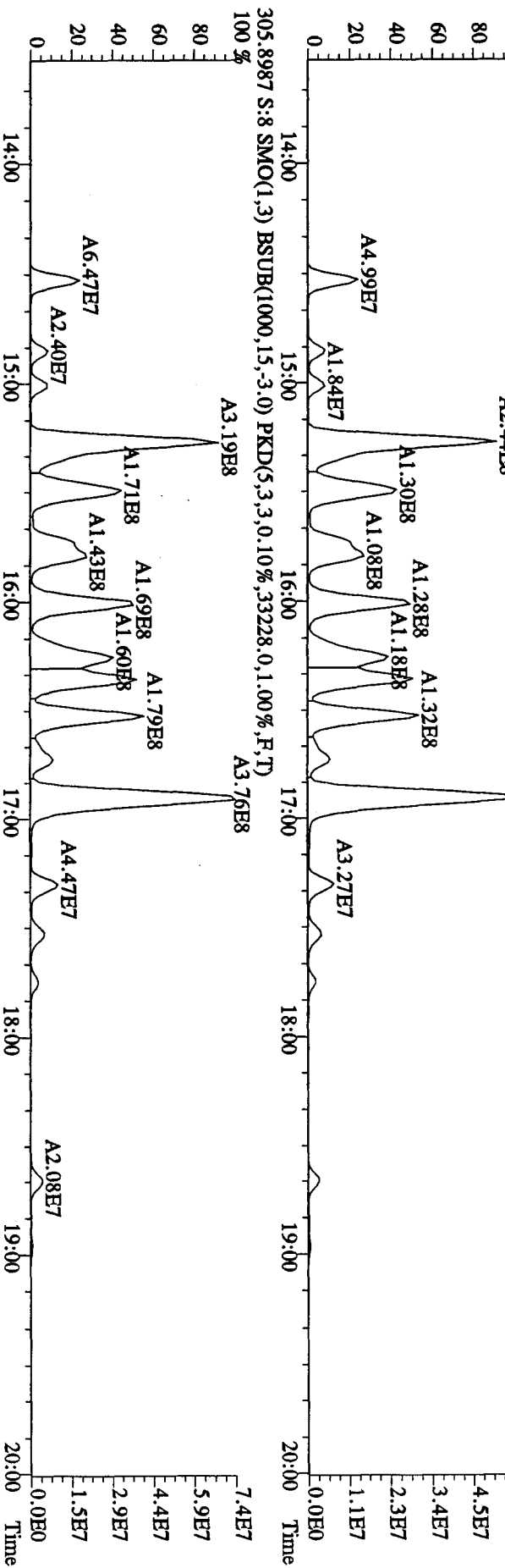
0.59

- n

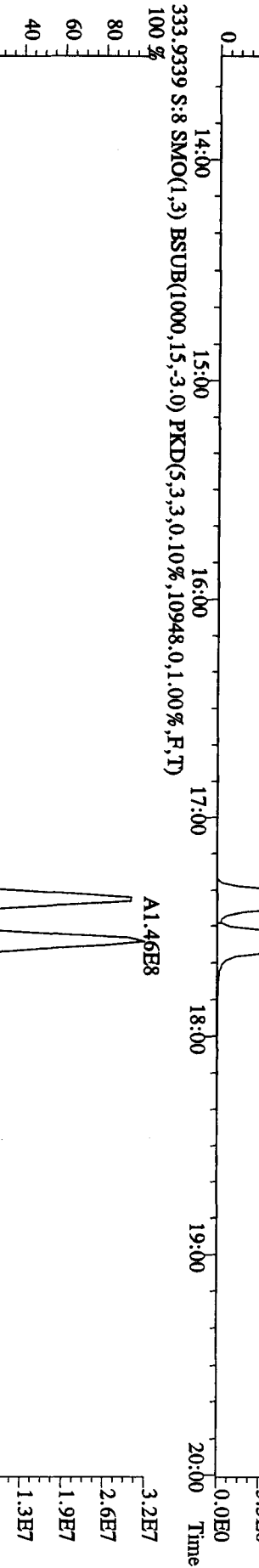
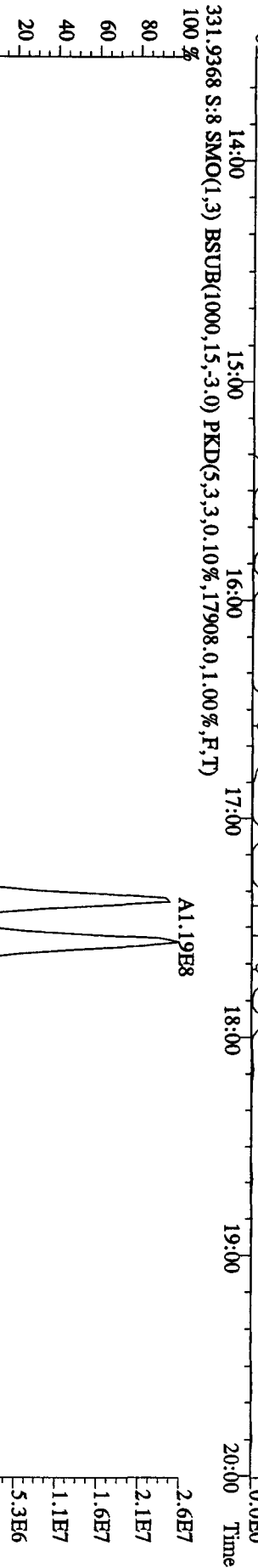
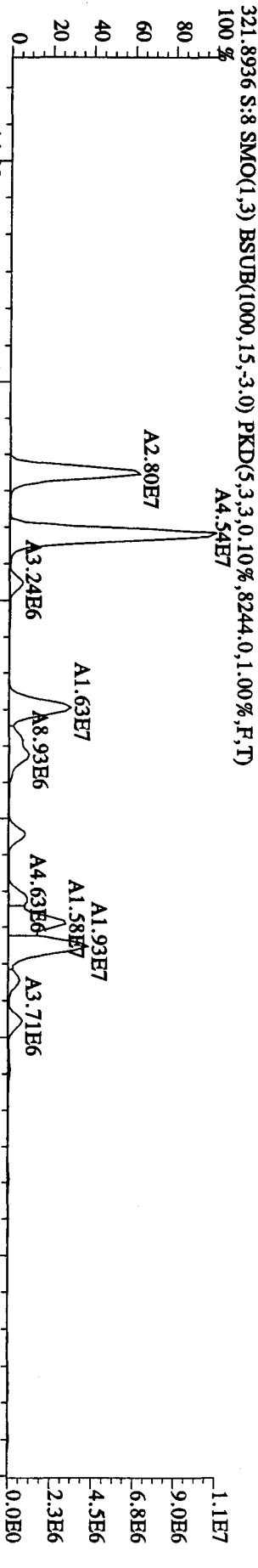
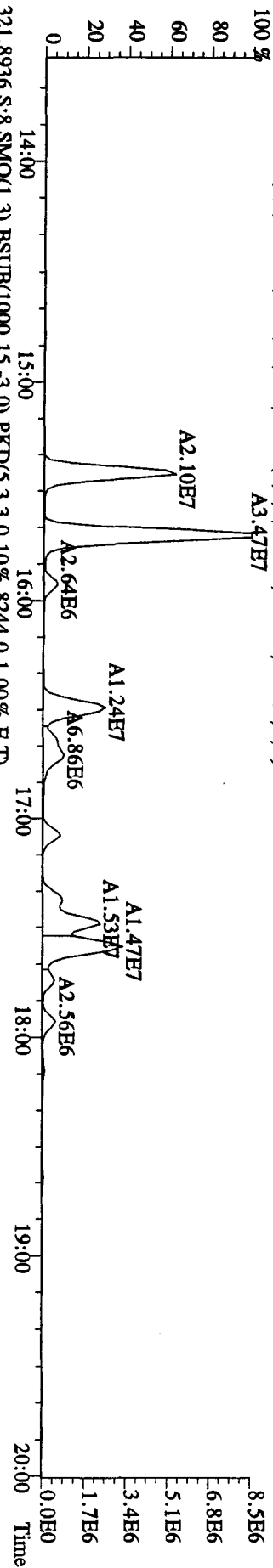
Run text: LX0PR-1-AF Sample text: LX0PR-1-AF :G0D140543-10MS
 Run #9 Filename: 29AP101D5 S: 8 I: 1 Results: 29AP101D58290
 Acquired: 29-APR-10 14:43:11 Processed: 29-APR-10 22:38:45
 Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.02 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	244497000	0.83 y	17:23	-	7.833	-	-	n
13C-2,3,7,8-TCDF	366442000	0.81 y	16:53	1.57	95.513	0.117	47.9	n
2,3,7,8-TCDF	665005000	0.77 y	16:55	0.86	421.259	0.538	-	n
Total TCDF	3443929800	0.77 y	14:32	0.86	2181.617 DB225	0.538	-	n
13C-2,3,7,8-TCDD	265856000	0.81 y	17:34	0.99	109.249	0.158	54.7	n
2,3,7,8-TCDD	34053000	0.76 y	17:35	0.93	27.379	0.187	-	n
Total TCDD	263289452	0.75 y	15:25	0.93	211.691	0.187	-	n
37Cl-2,3,7,8-TCDD	332388000	1.00 y	17:35	2.22	61.168	0.102	76.6	n
13C-1,2,3,7,8-PeCDF	304015000	1.61 y	21:45	1.07	115.668	0.181	57.9	n
1,2,3,7,8-PeCDF	629266000	1.60 y	21:46	1.00	413.111	1.458	-	n
2,3,4,7,8-PeCDF	402688000	1.60 y	23:04	0.94	281.682	1.554	-	n
Total F2 PeCDF	3443333310	1.61 y	20:16	0.97	2328.065	1.504	-	n
Total F1 PeCDF	209038496	1.17 n	15:44	0.97	141.586	0.191	-	n
13C-1,2,3,7,8-PeCDD	193385500	1.64 y	23:46	0.67	118.461	0.132	59.3	n
1,2,3,7,8-PeCDD	117955700	1.64 y	23:47	0.93	131.029	0.584	-	n
Total PeCDD	304344714	1.64 y	20:39	0.93	338.075	0.584	-	n
13C-1,2,3,7,8,9-HxCDD	191754600	1.29 y	31:57	-	6.977	-	-	n
13C-1,2,3,4,7,8-HxCDF	210702600	0.51 y	29:57	0.89	122.827	0.634	61.5	n
1,2,3,4,7,8-HxCDF	1115889000	1.26 y	29:59	1.20	881.596	10.360	-	n
1,2,3,6,7,8-HxCDF	742558000	1.28 y	30:13	1.37	513.000	9.060	-	n
2,3,4,6,7,8-HxCDF	276517000	1.27 y	31:13	1.24	210.900	10.002	-	n
1,2,3,7,8,9-HxCDF	353997000	1.25 y	32:10	1.33	252.879	9.368	-	n
Total HxCDF	4717998700	1.26 y	27:12	1.28	3502.136	9.670	-	n
13C-1,2,3,6,7,8-HxCDD	181696100	1.26 y	31:33	0.73	129.172	0.132	64.7	n
1,2,3,4,7,8-HxCDD	96787300	1.28 y	31:27	0.97	109.617	0.251	-	n
1,2,3,6,7,8-HxCDD	136780700	1.29 y	31:34	1.06	141.974	0.230	-	n
1,2,3,7,8,9-HxCDD	142703200	1.26 y	31:57	1.28	122.928	0.191	-	n
Total HxCDD	497174170	1.20 y	28:43	1.10	495.131	0.221	-	n
13C-1,2,3,4,6,7,8-HpCDF	191614300	0.44 y	33:48	0.86	115.945	0.770	58.1	n
1,2,3,4,6,7,8-HpCDF	2086480000	1.04 y	33:49	1.29	1689.284	0.350	-	n
1,2,3,4,7,8,9-HpCDF	733831000	1.05 y	35:00	1.14	673.275	0.397	-	n
Total HpCDF	3946355550	1.04 y	33:49	1.21	3331.171	0.372	-	n
13C-1,2,3,4,6,7,8-HpCDD	159716200	1.09 y	34:41	0.75	110.514	0.678	55.4	n
1,2,3,4,6,7,8-HpCDD	168931300	1.04 y	34:42	1.00	211.577	0.301	-	n
Total HpCDD	212350970	2.26 n	33:40	1.00	265.958	0.301	-	n
13C-OCDD	205163400	0.94 y	37:17	0.56	189.182	0.657	47.4	n
OCDF	3023140000	0.89 y	37:23	1.44	4092.546	1.182	-	n
OCDD	184841000	0.89 y	37:17	1.11	324.152	0.593	-	n

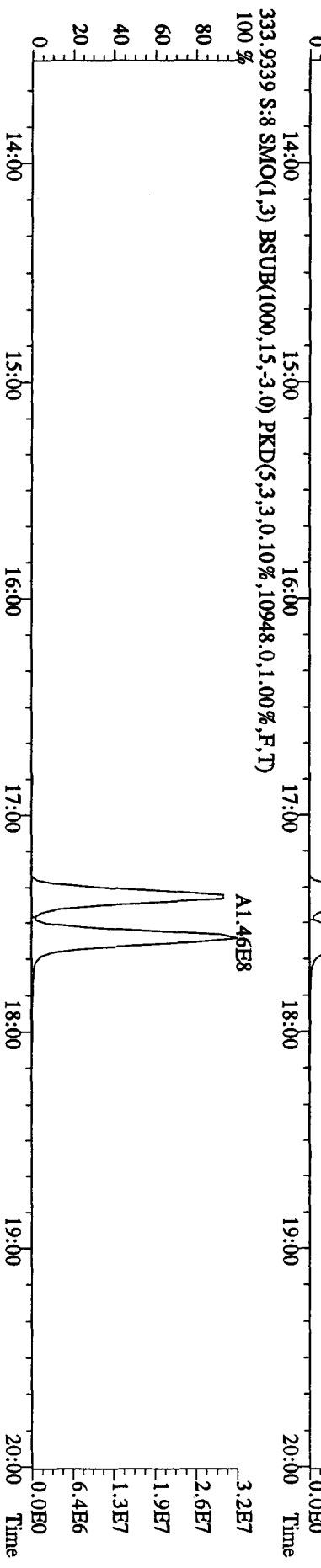
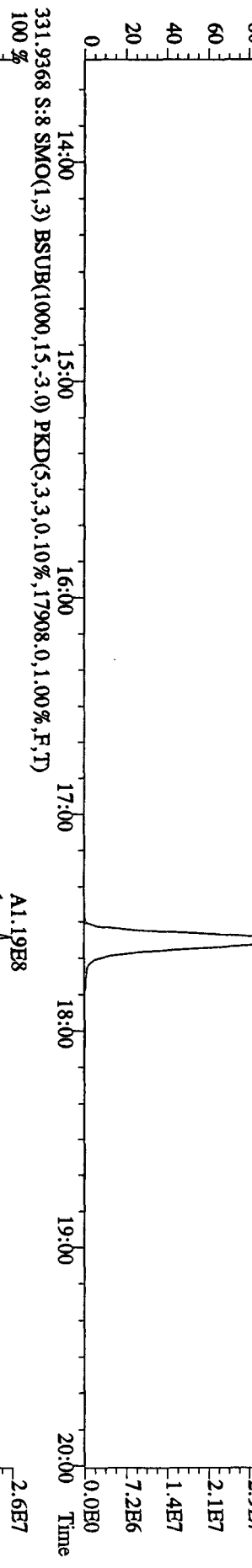
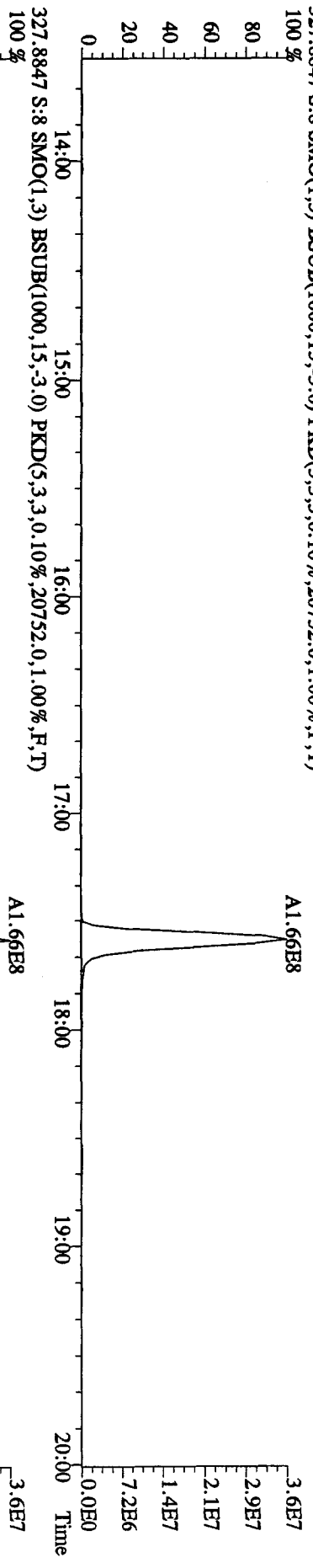
File:29AP101D5 #1-384 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :GOD140543-10MS Exp:DIOXINRES
 303.9016 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32860,0.1,0.00%,F,T)
 100%



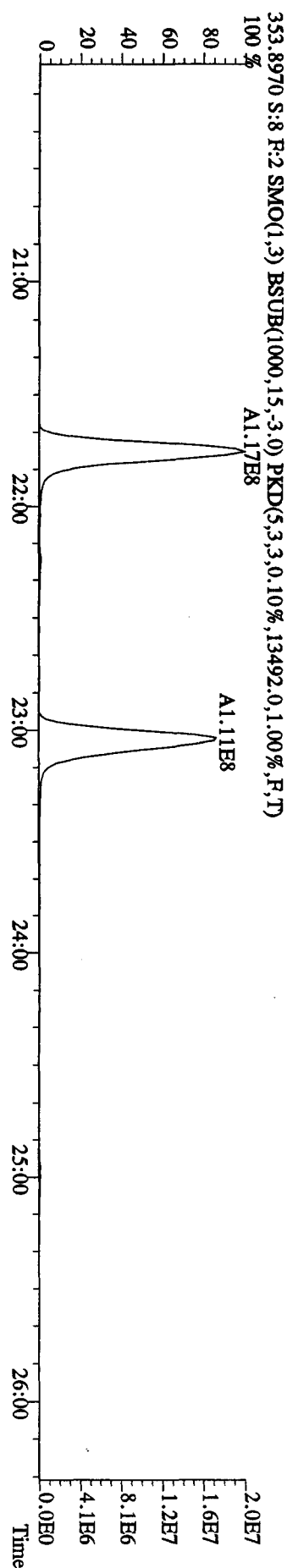
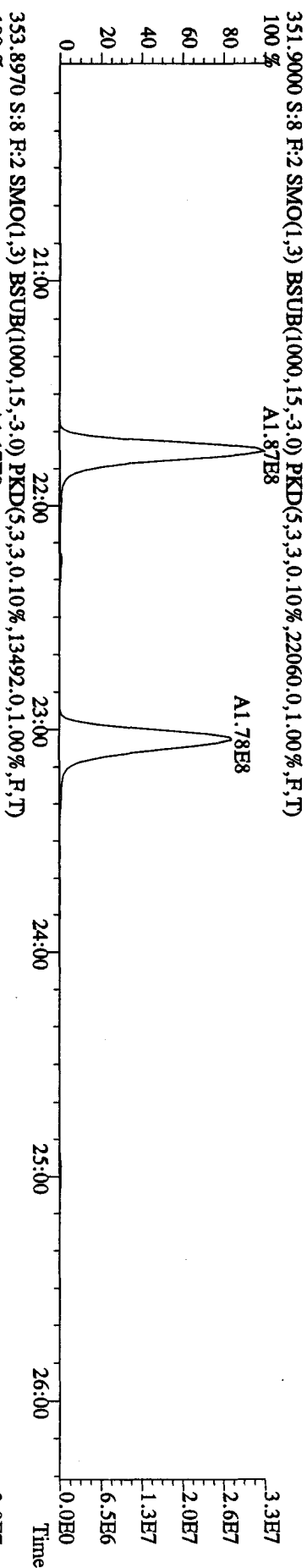
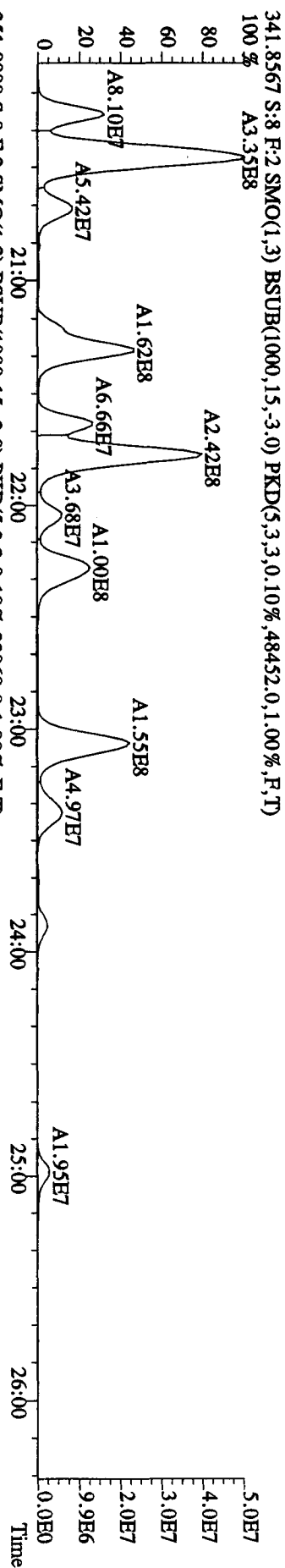
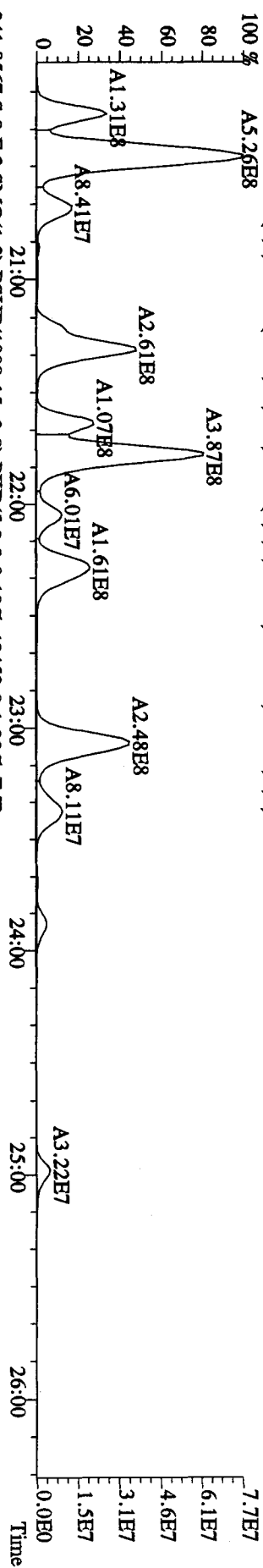
File:29AP101D5 #1-384 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :GOD140543-10MS Exp:DIOXINRES
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8824.0,1.00%,F,T)
 100%



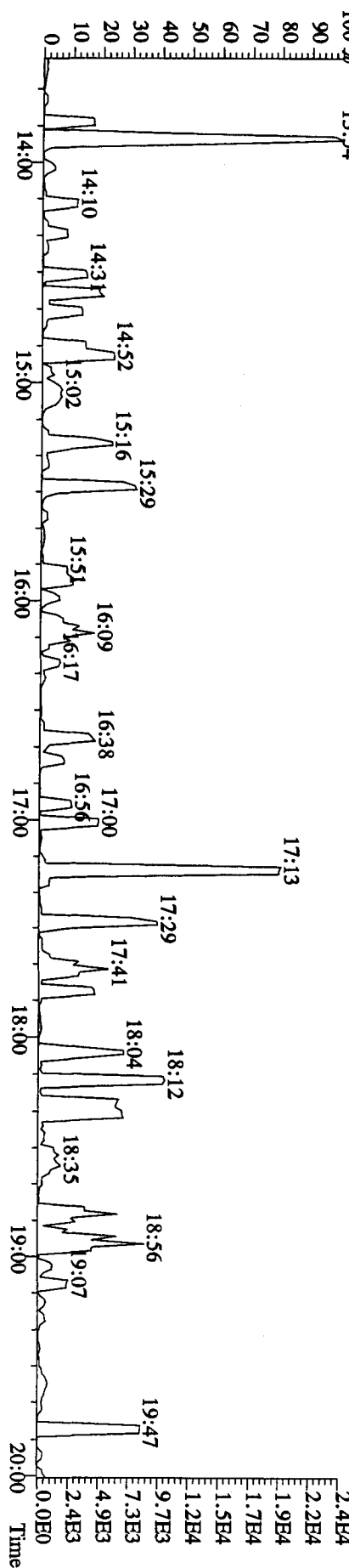
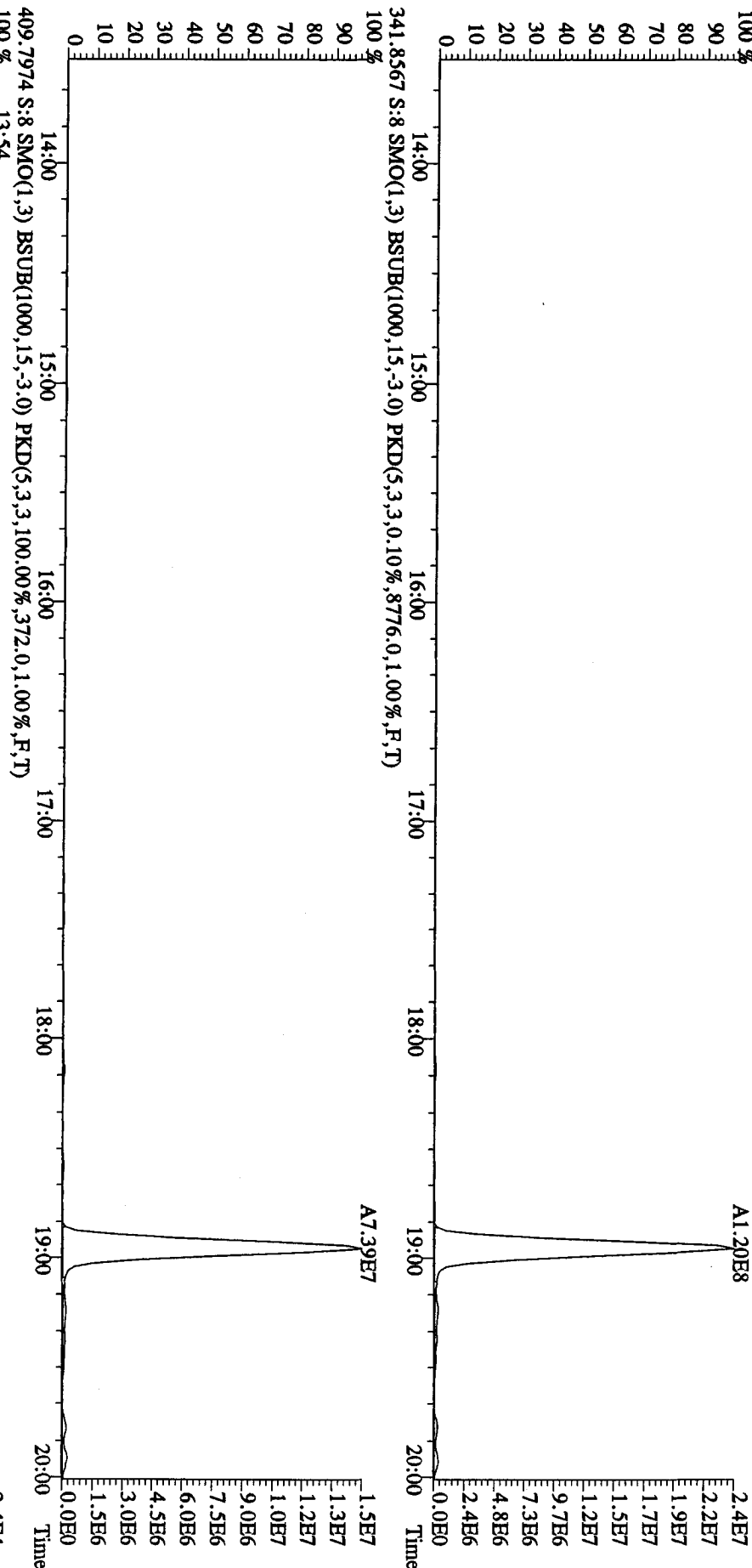
File:29AP101D5 #1-384 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :GDD140543-10MS Exp:DIOXINRES
 327.8847 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,20752,0,1,00%,F,T)
 100 %



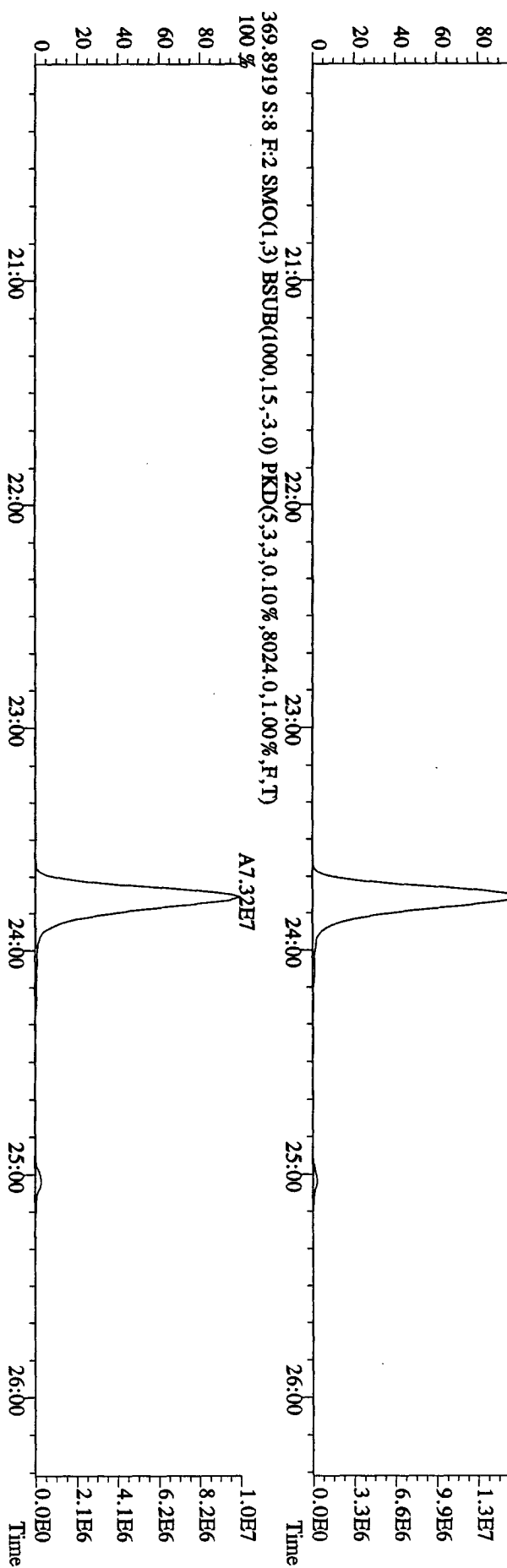
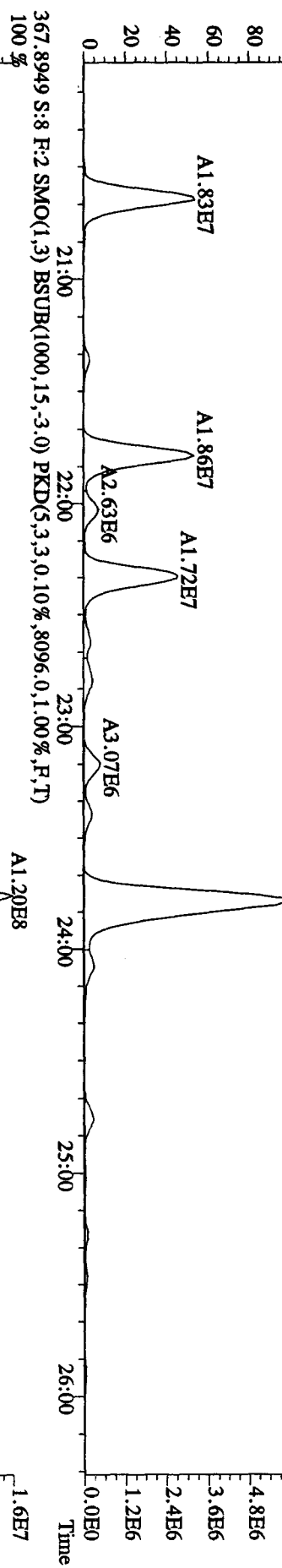
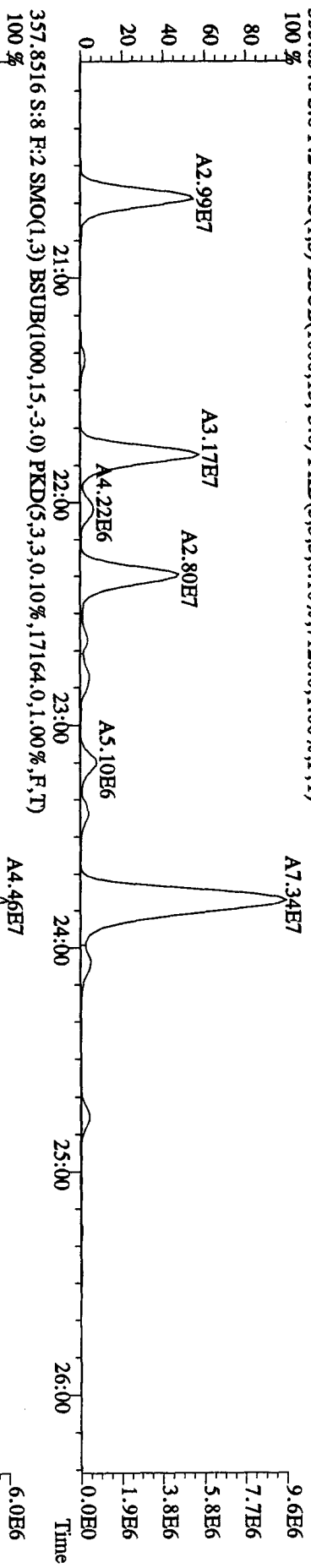
File:29AP101D5 #1-445 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :GDD140543-10MS Exp:DIOXINRES
 339,8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,80580,0,1,00%,F,T)
 100%



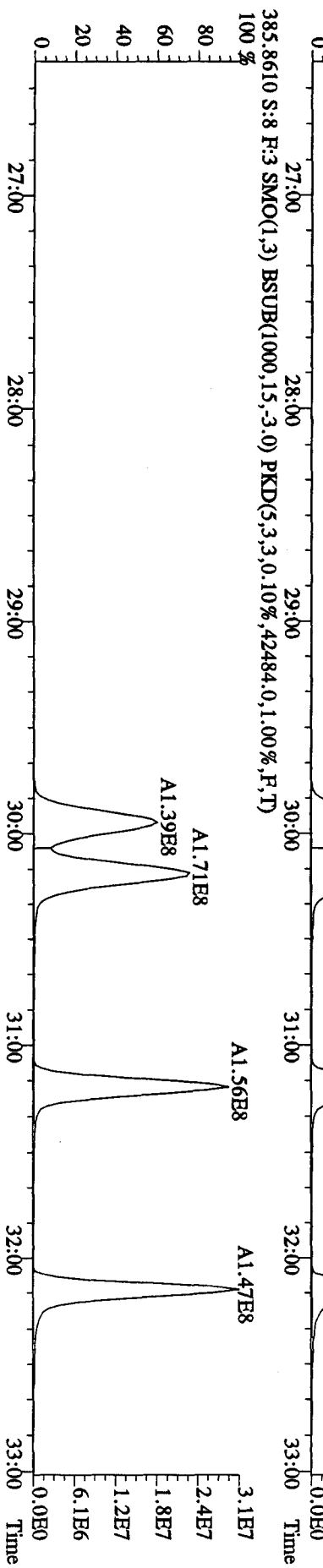
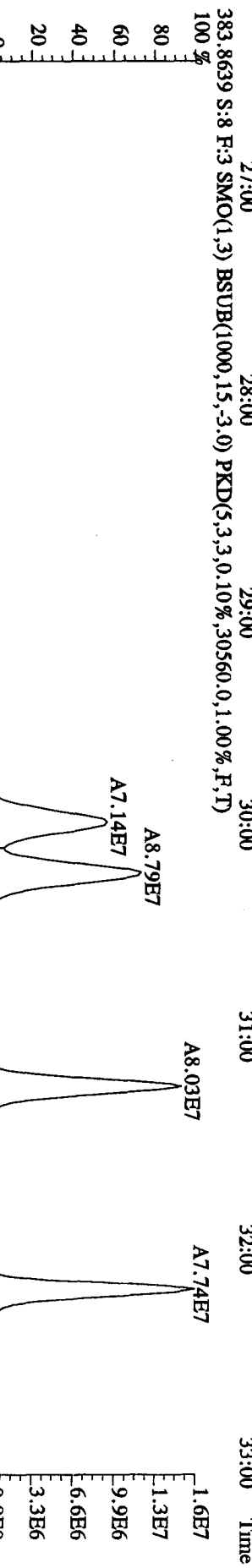
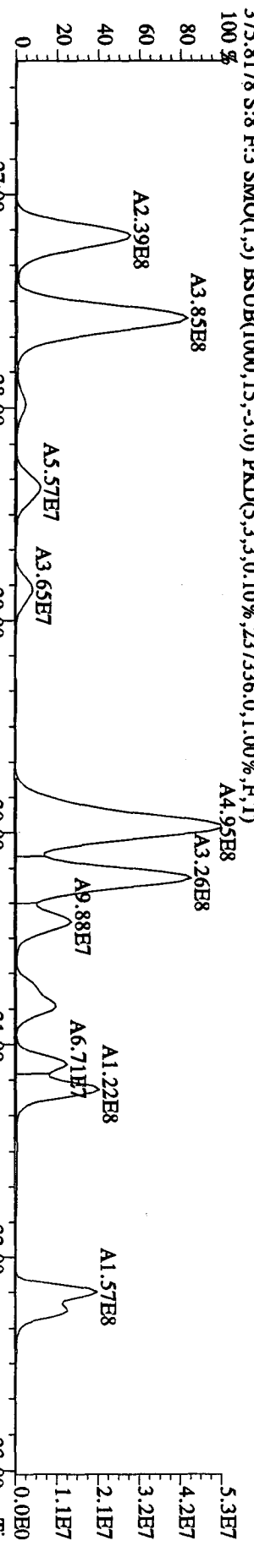
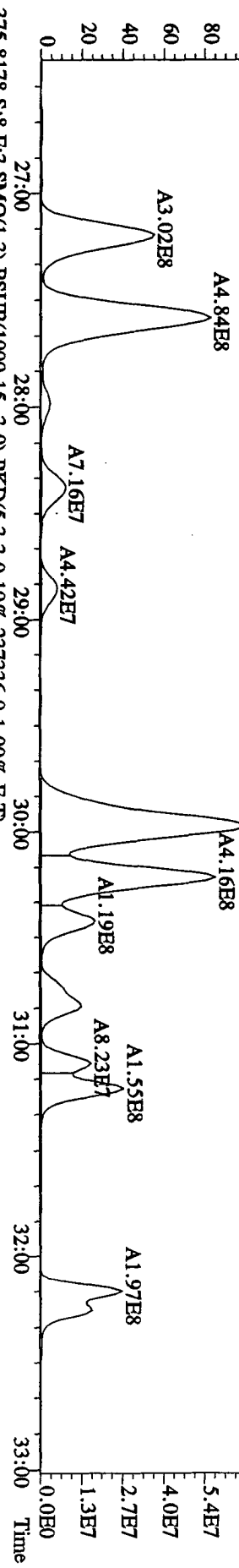
File:29AP101D5 #1-384 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 705E
 Sample#8 Text:LXOPR-1-AF :G0DD140543-10MS Exp:DIOXINRES
 339.8597 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7600.0,1.00%,F,T)



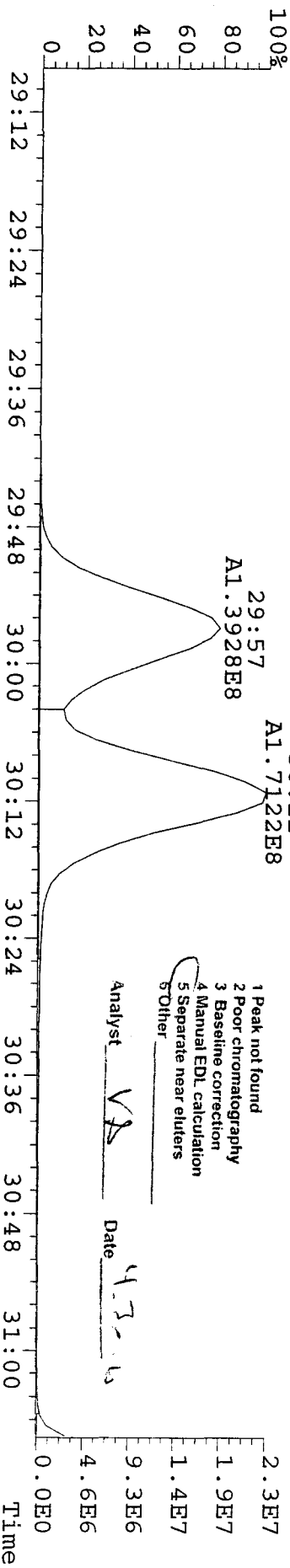
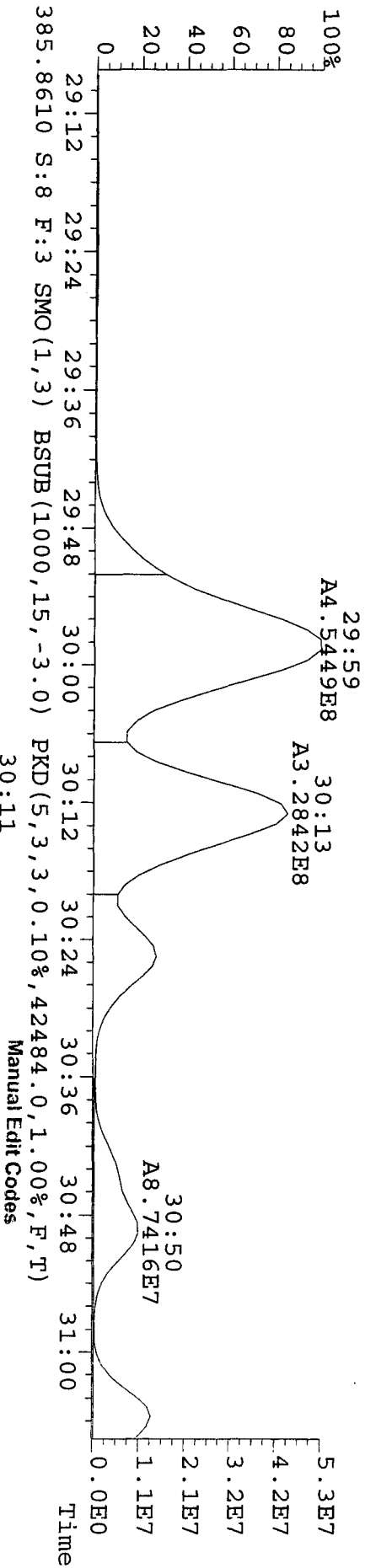
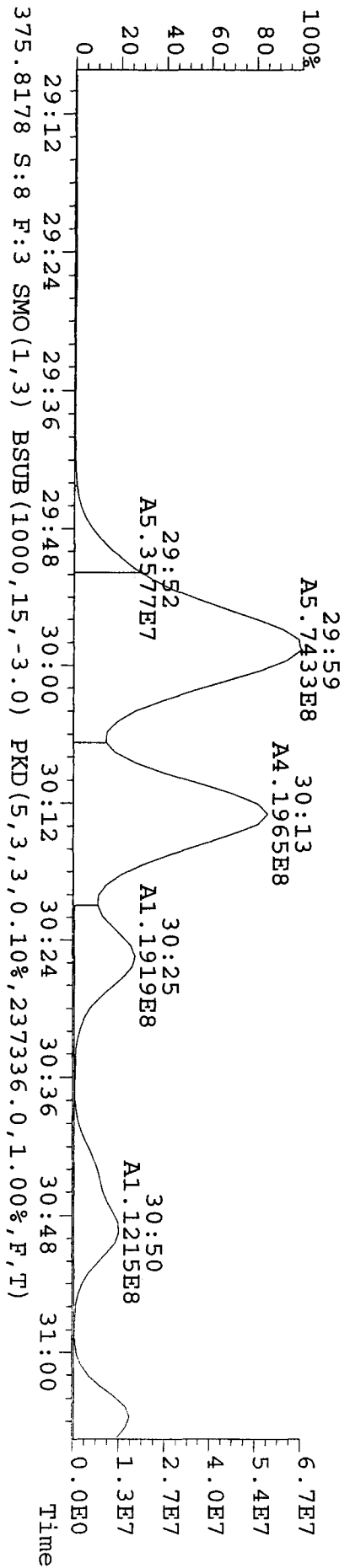
File:29AP1010D5 #1-445 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LX0PR-1-AF :G0D140543-10MS Exp:DIOXINRES
 355.8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7120.0,1.00%,F,T)



File:29AP1010D5 #1-447 Acq:29-APR-2010 14:43:11 GC FI+ Voltage SIR 70SE
 Sample#8 Text:LX0PR-1-AF :GOD140543-10MS Exp:DI0XINRES
 373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,339380.0,1.00%,F,T)
 100 %



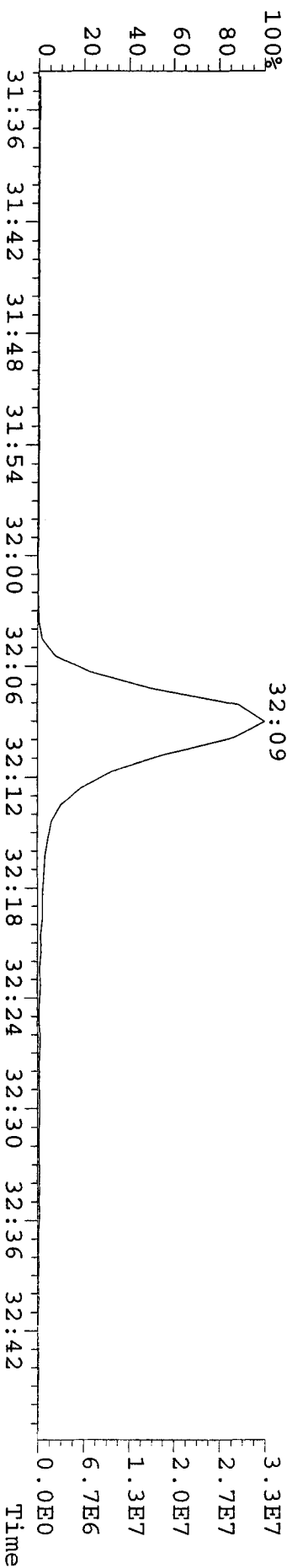
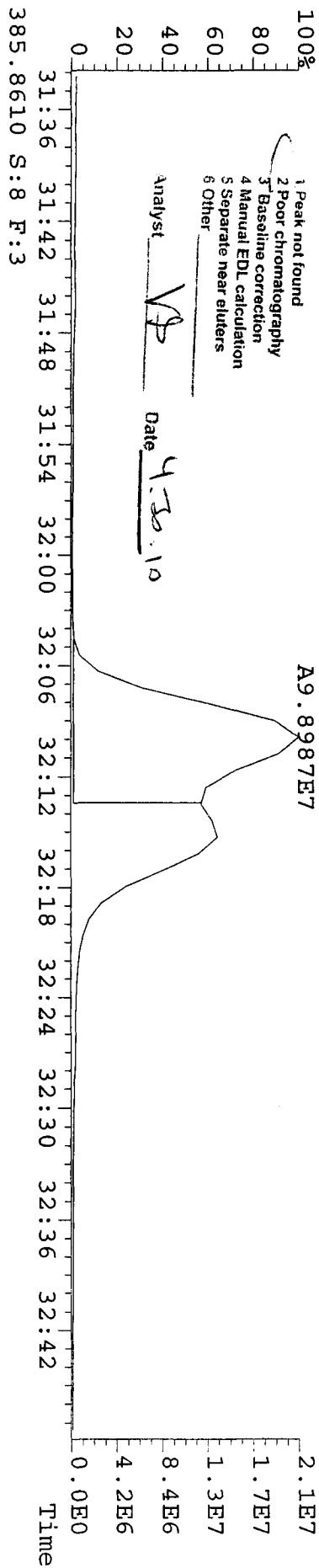
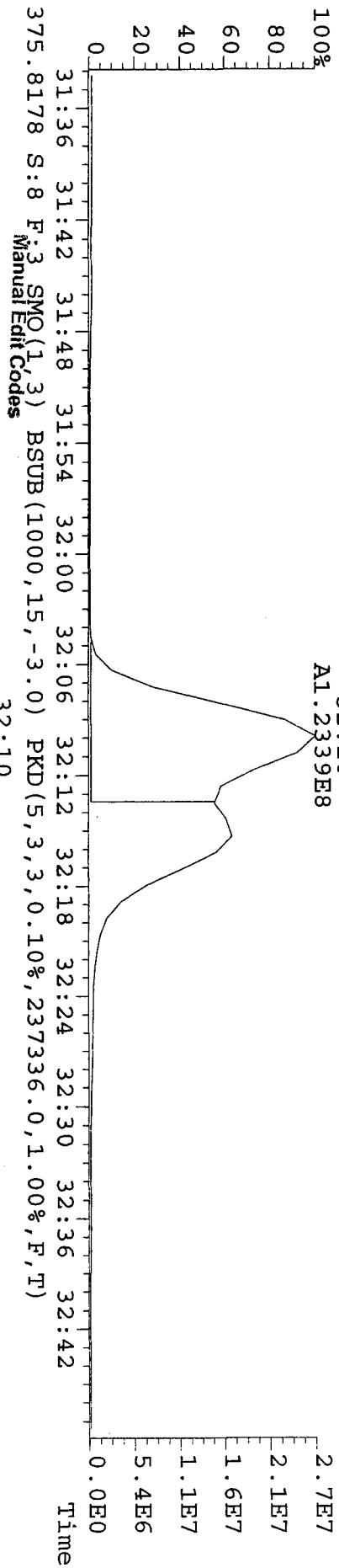
File: 29AP101D5 #1-447 Acq: 29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text: LIXOPR-1-AF : GOD140543-10 Exp: DIOXINRES
 373.8208 S: 8 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,339380.0,1.00%,F,T)



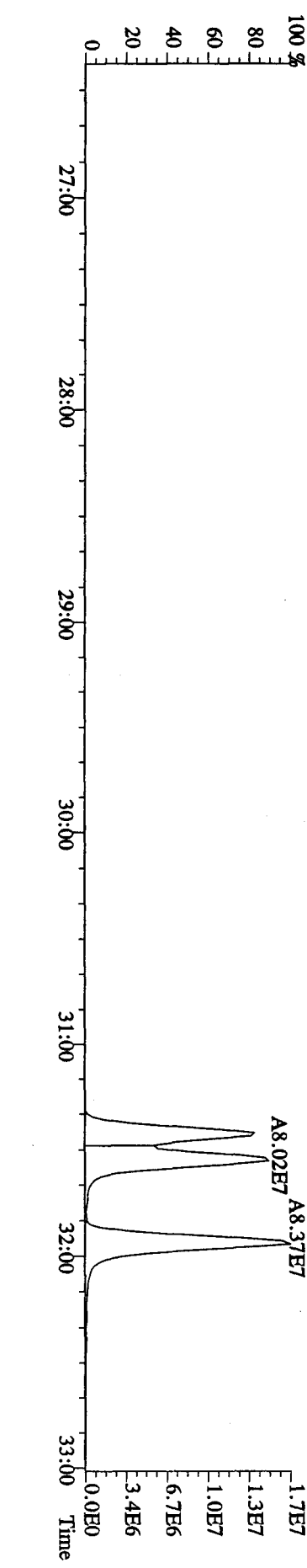
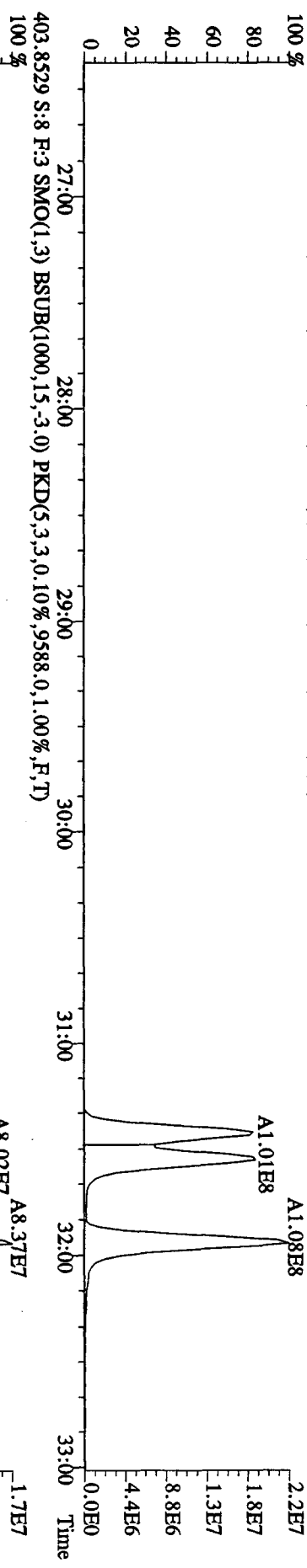
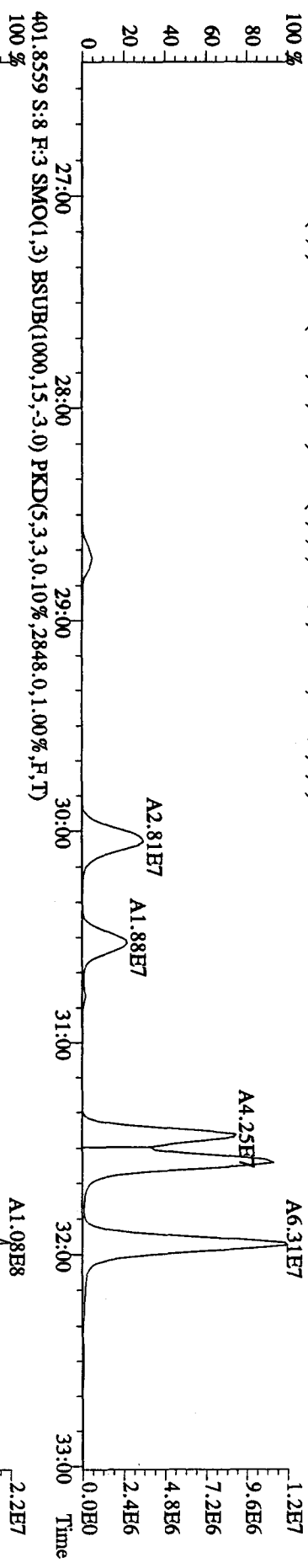
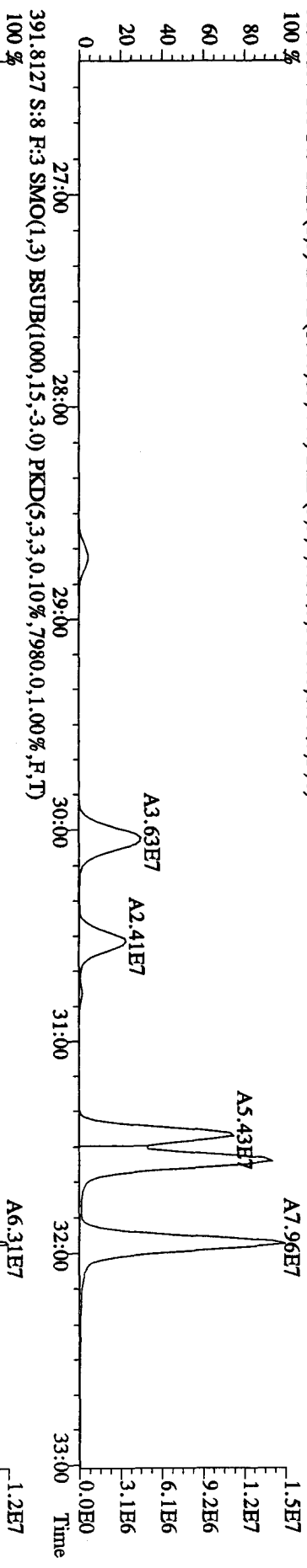
- 1 Peak not found
- 2 Poor chromatography
- 3 Baseline correction
- 4 Manual EDL calculation
- 5 Separate near eluters
- 6 Other

Analyst VA Date 4-3-10

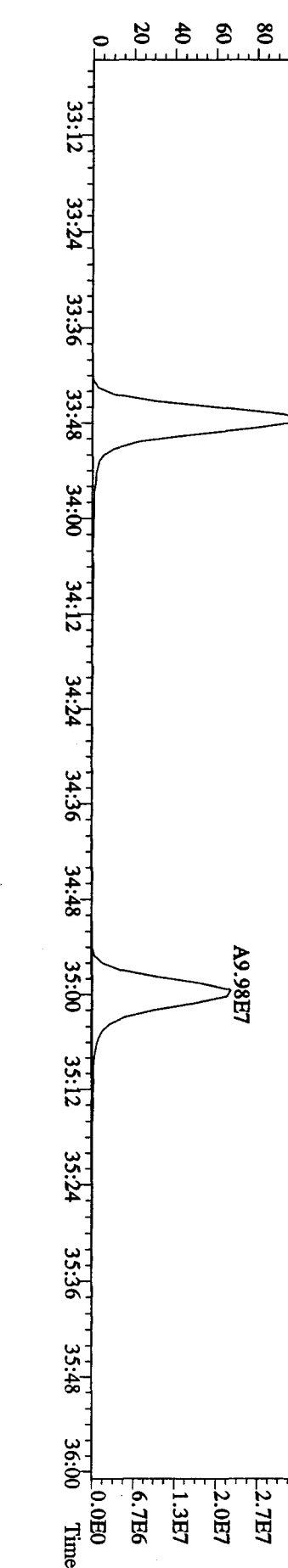
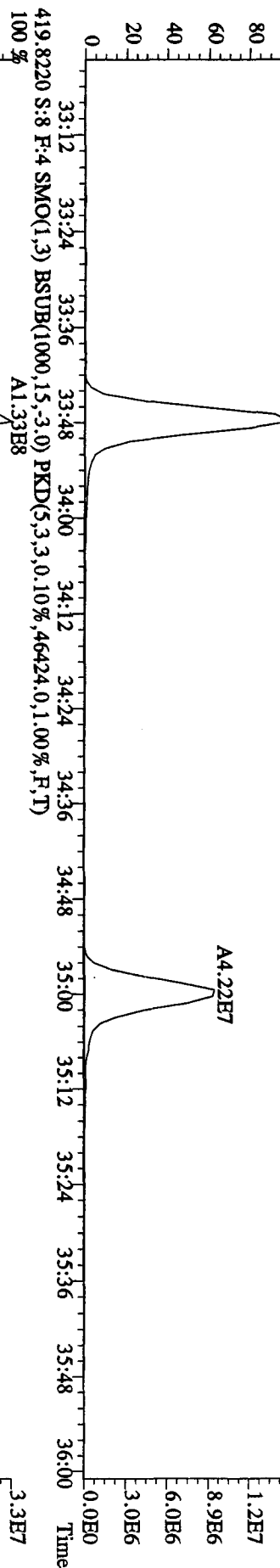
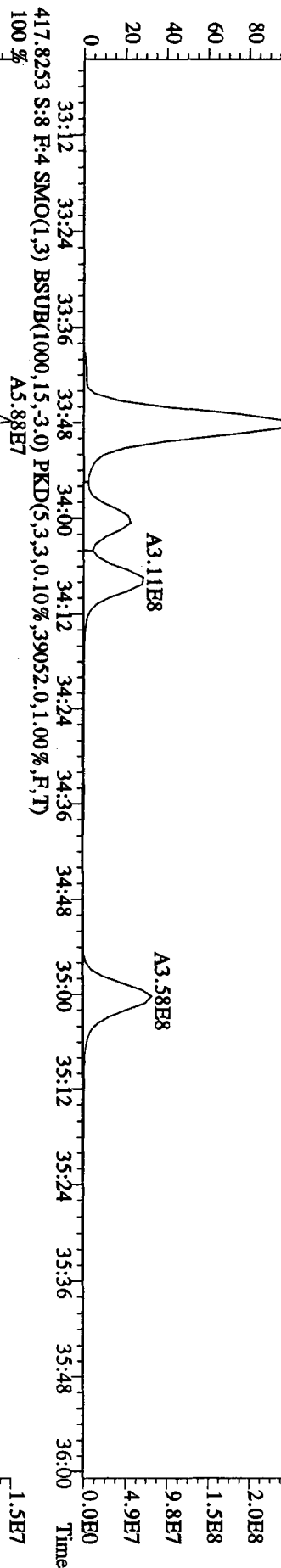
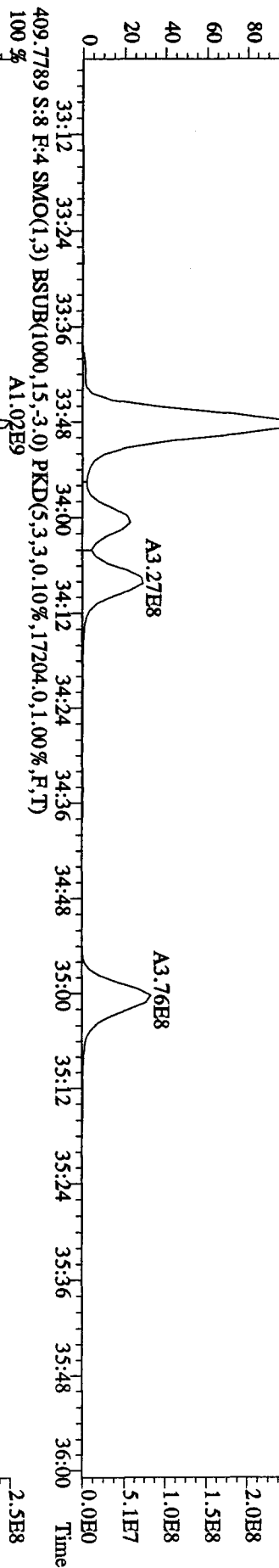
File: 29AP101D5 #1-447 Acq: 29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text: LX0PR-1-AF :G0D140543-10 Exp:DIOXINRES
 373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,339380.0,1.00%,F,T)



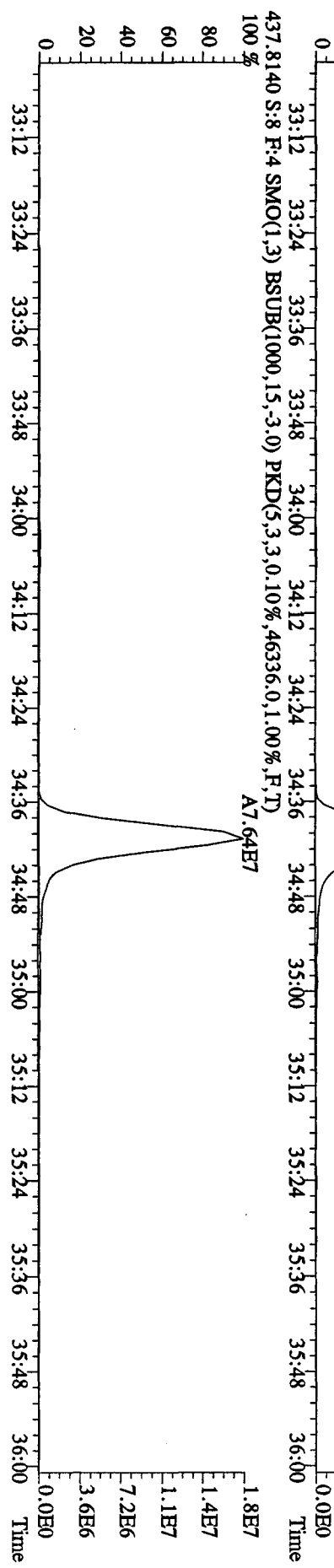
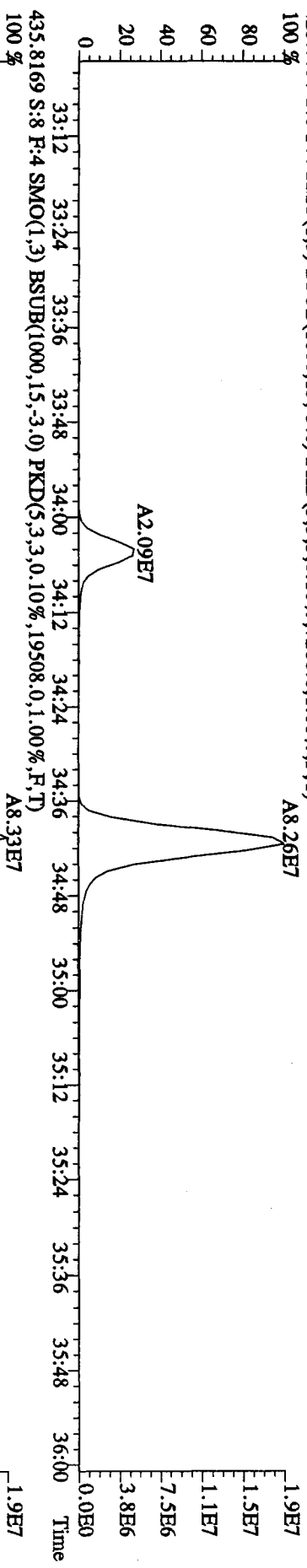
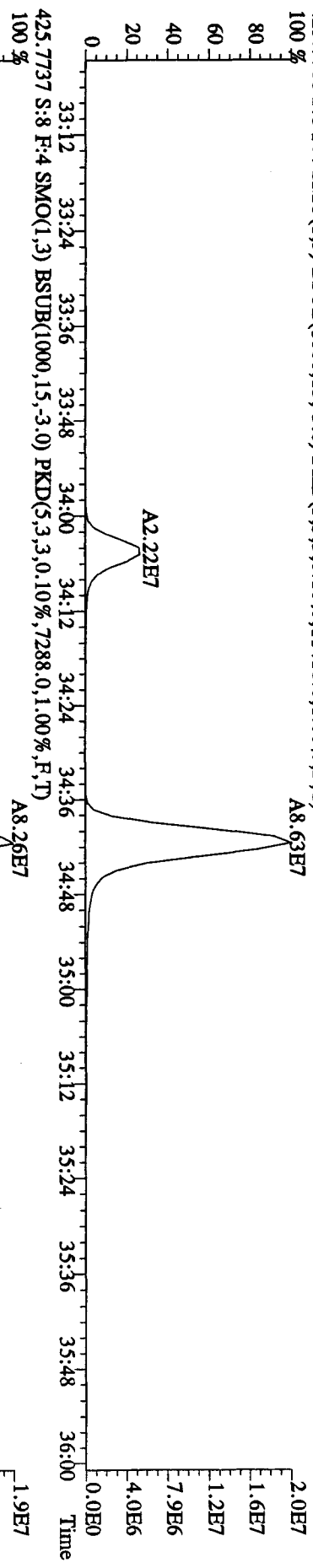
File:29AP101D5 #1-447 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :G0D140543-10MS Exp:DIOXINRES
 389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5600,0,1,00%,F,T)



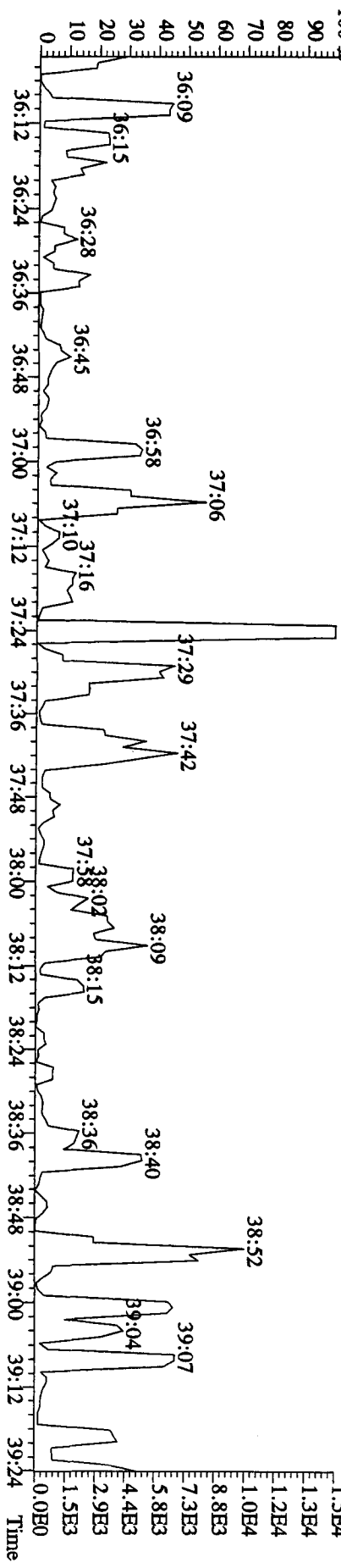
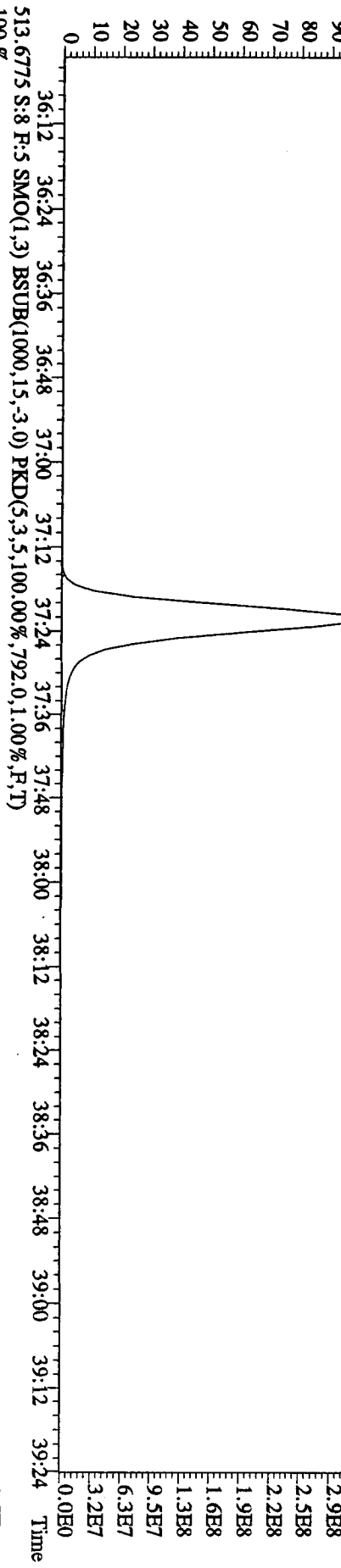
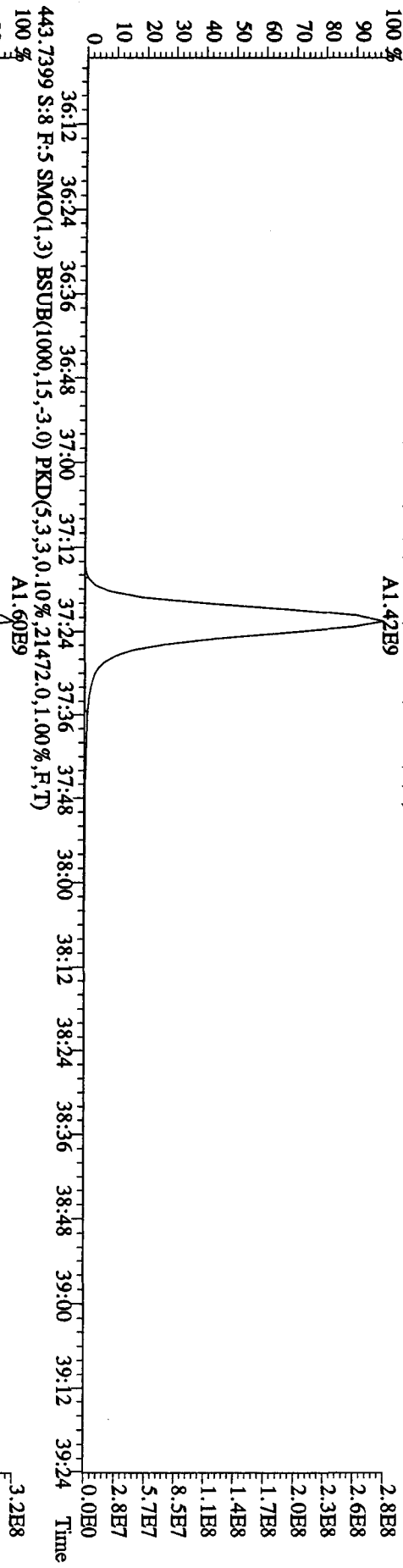
File:29AP1010D5 #1-210 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :GOD140543-10MS Exp:DIOXINRES
 407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,19132,0,1,00%,F,T)



File:29AP101D5 #1-210 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text: LXOPR-1-AF :GOD140543-10MS Exp:DIOXINRES
 423.7766 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,11416,0,1,00%,F,T)



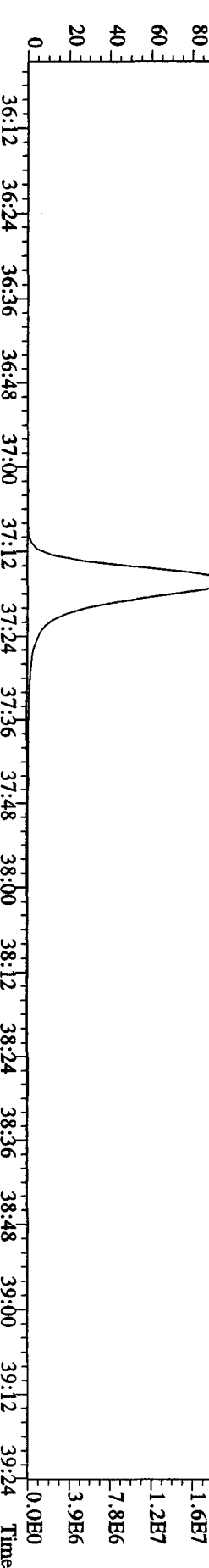
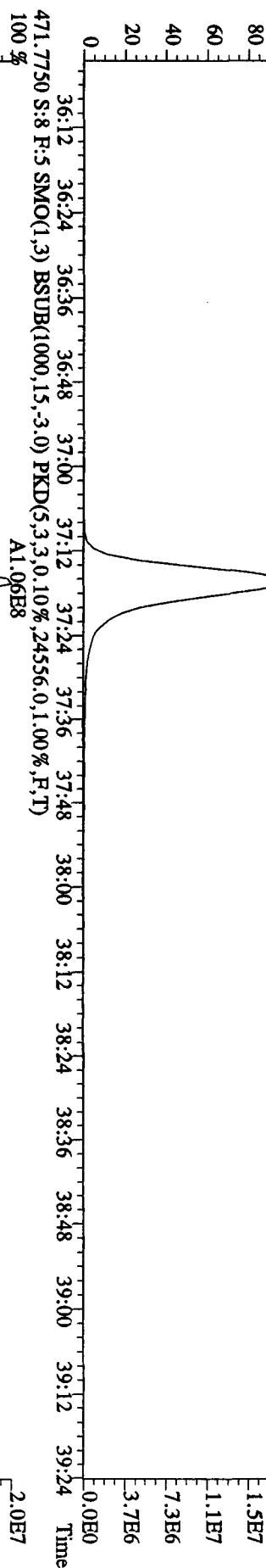
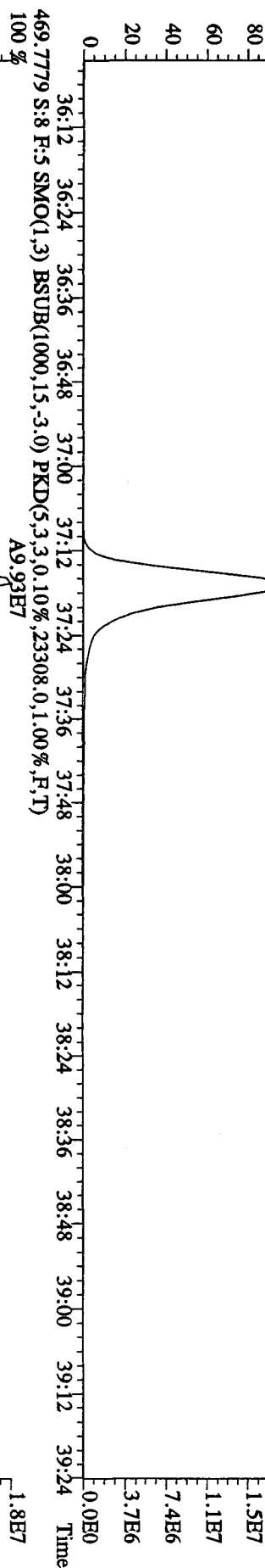
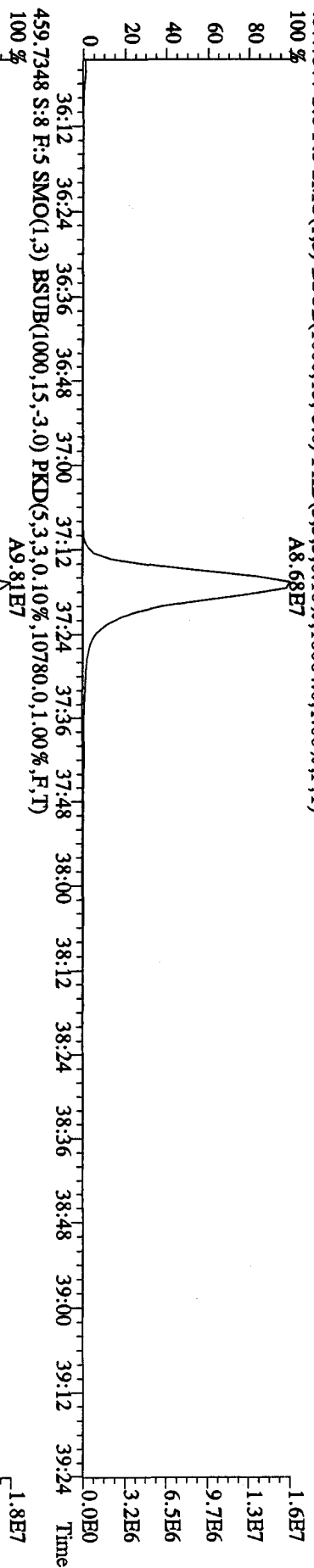
File:29AP101D5 #1-243 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :GOD140543-10MS Exp:DIOXINES
 441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,32296.0,1.00%,F,T)
 100% A1.42E9

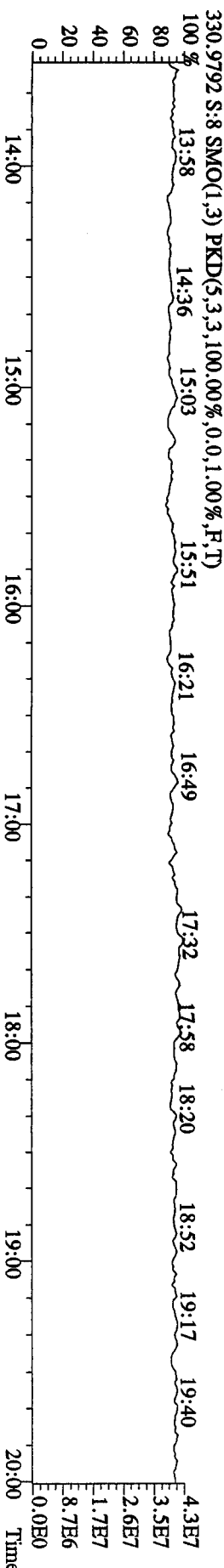
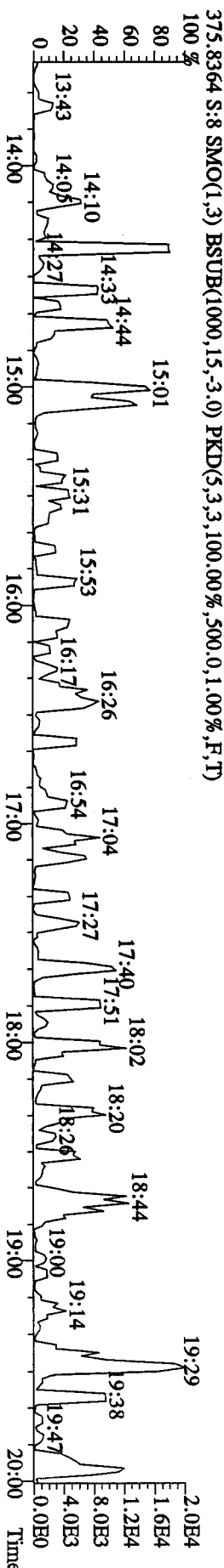
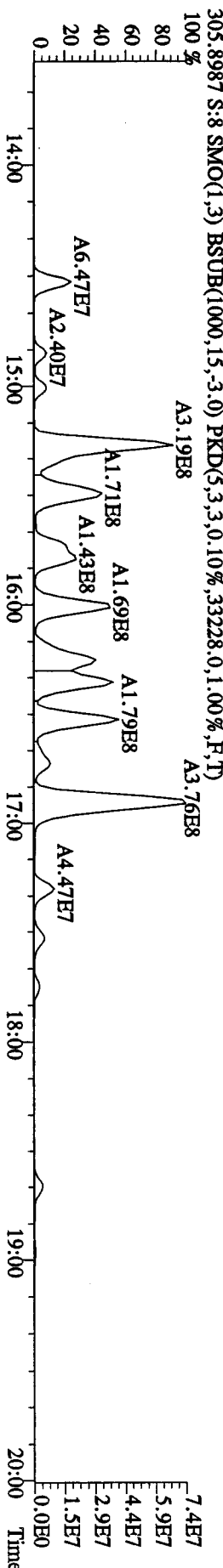
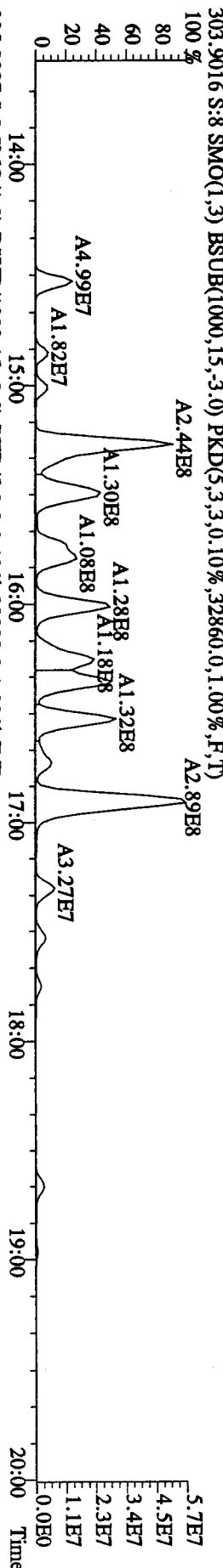
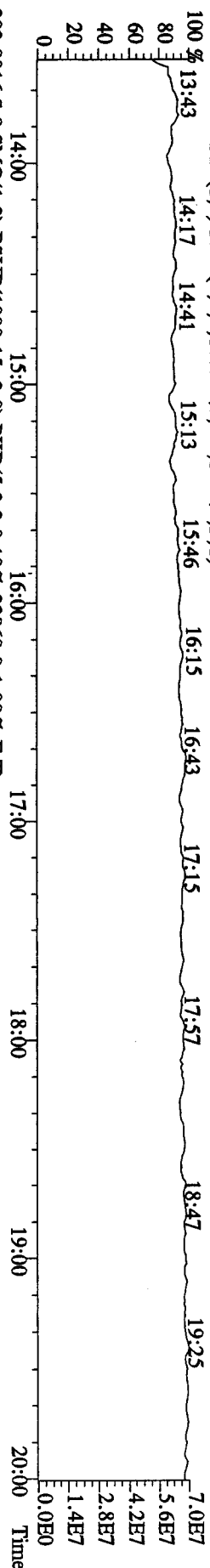


File:29AP101D5 #1-243 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE

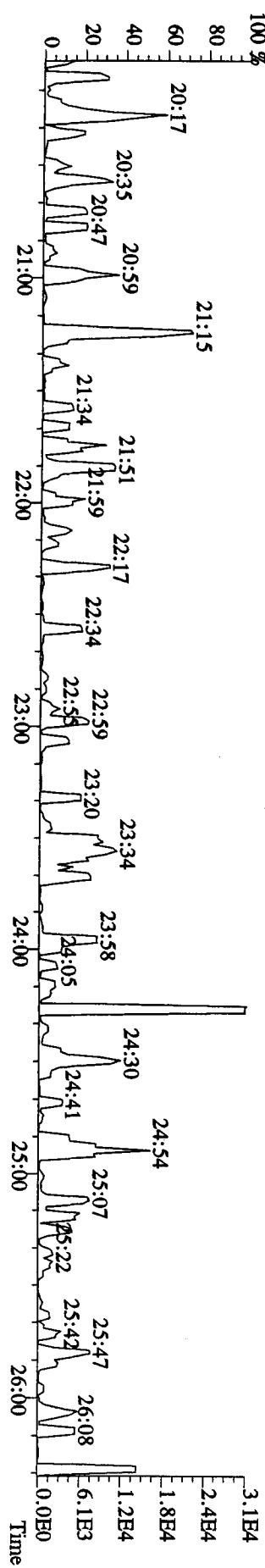
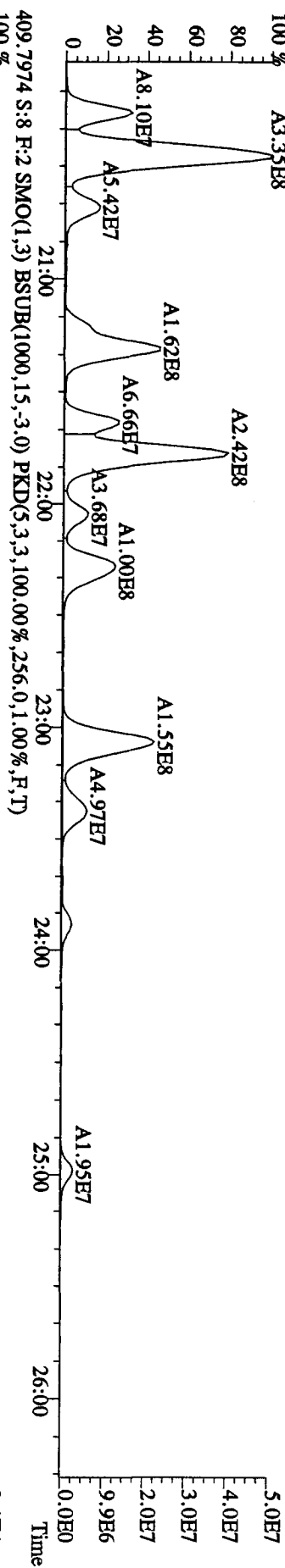
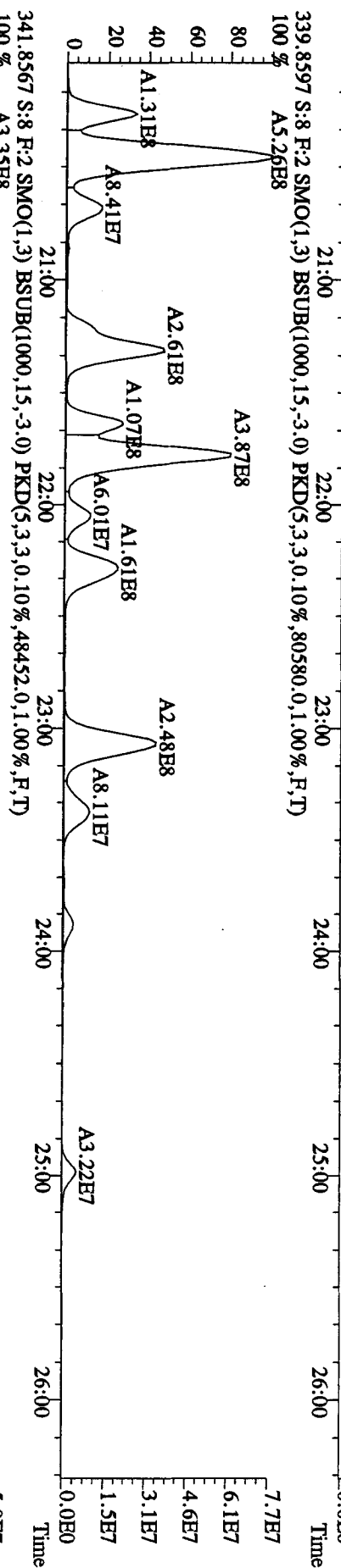
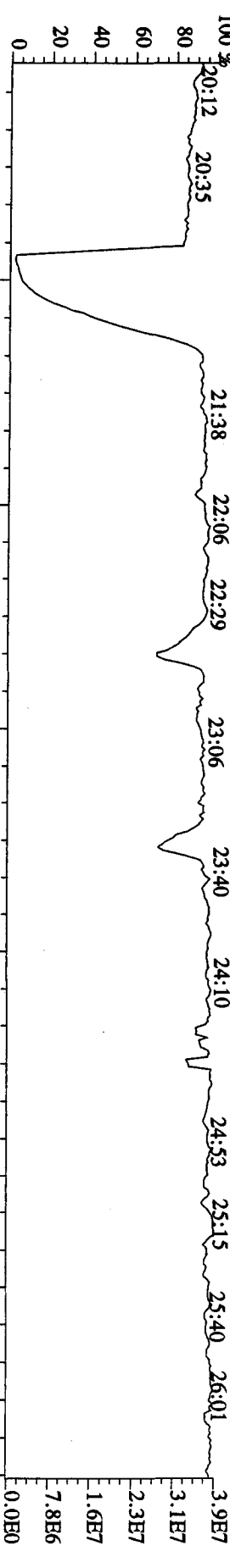
Exp:DIOXINRES

Sample#8 Text:LXOPR-1-AF :GOD140543-10MS
457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,10064.0,1.00%,F,T)

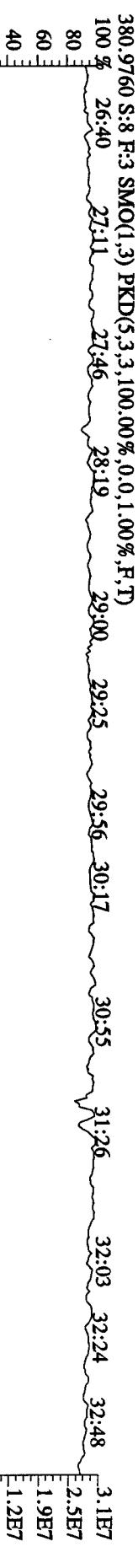
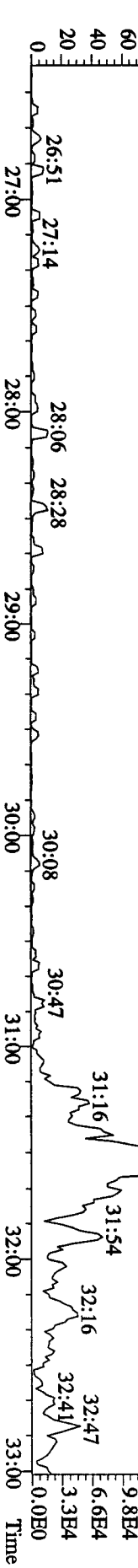
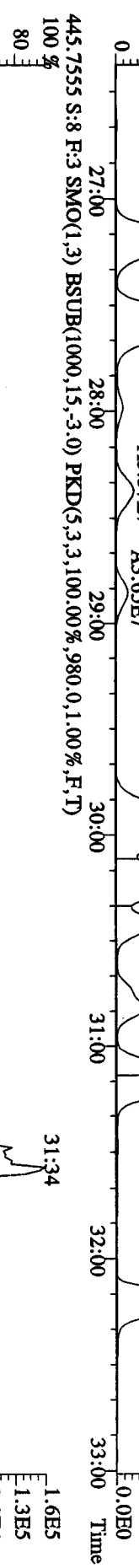
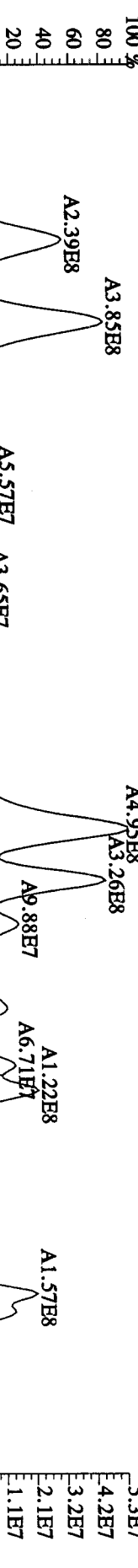
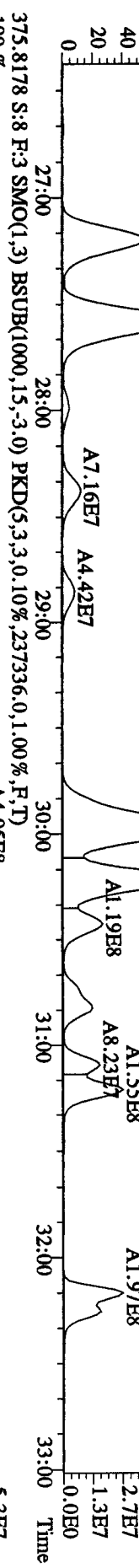
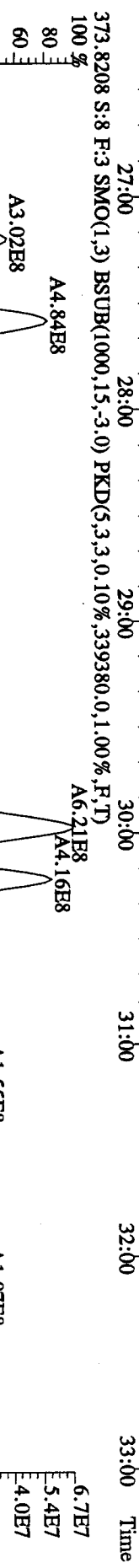
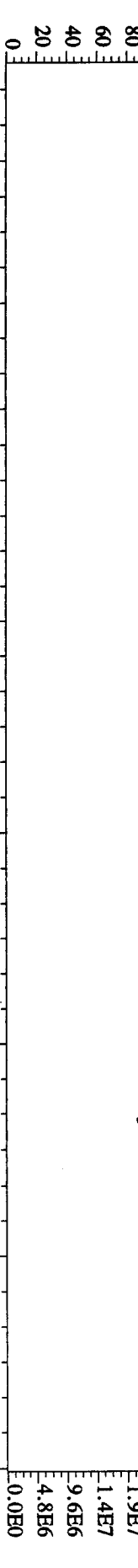




File:29AP101D5 #1.445 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :G0D140543-10MS Exp:DIOXINRES
 342.9792 S:8 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



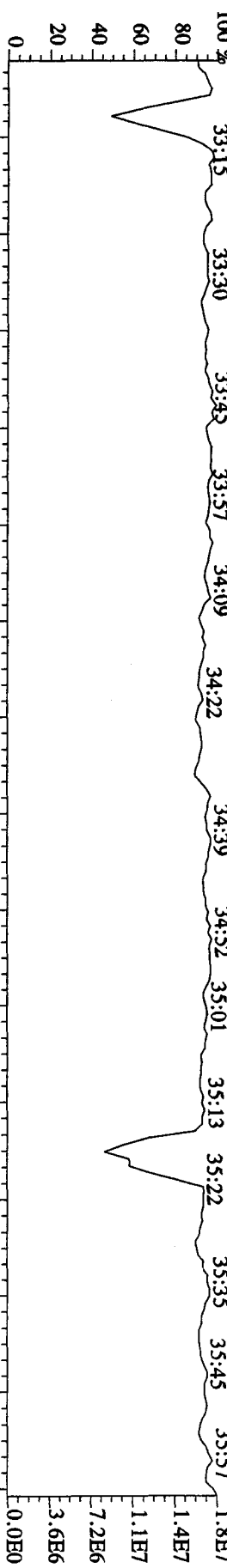
File:29AP101D5 #1-447 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :GOD140543-10MS Exp:DIOXINRES
 392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)
 26:55 27:31 27:55 28:20 28:41 29:03 29:48 30:17 30:58 31:32 32:08 32:34



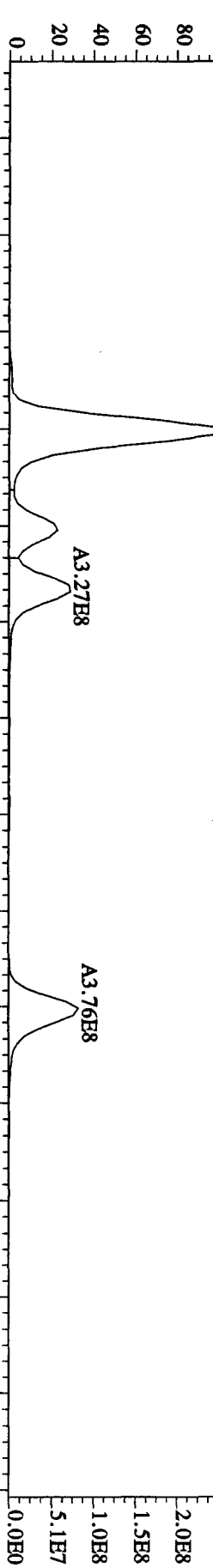
File:29AP101D5 #1-210 Acq:29-APR-2010 14:43:11 GC EI+ Voltage SIR 70SE

Sample#8 Text:LXOPR-1-AF :G0D140543-10MS Exp:DIOXINRES

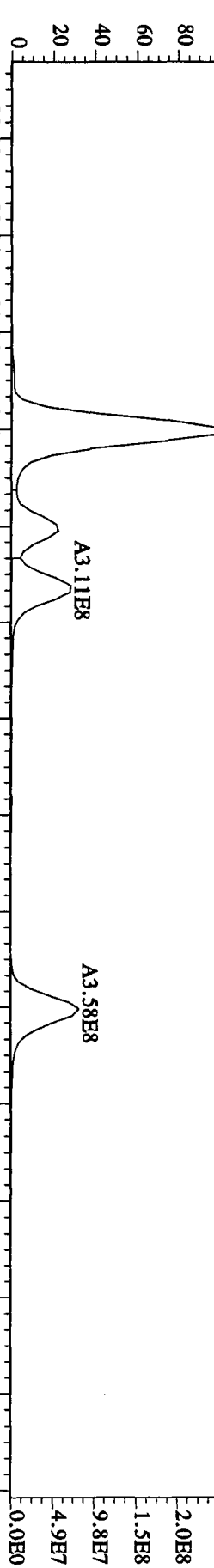
430.9728 S:8 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



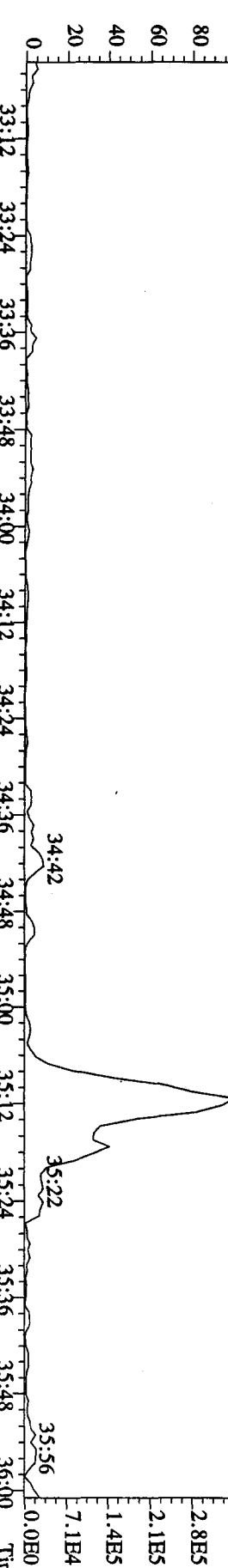
407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19132.0,1.00%,F,T)



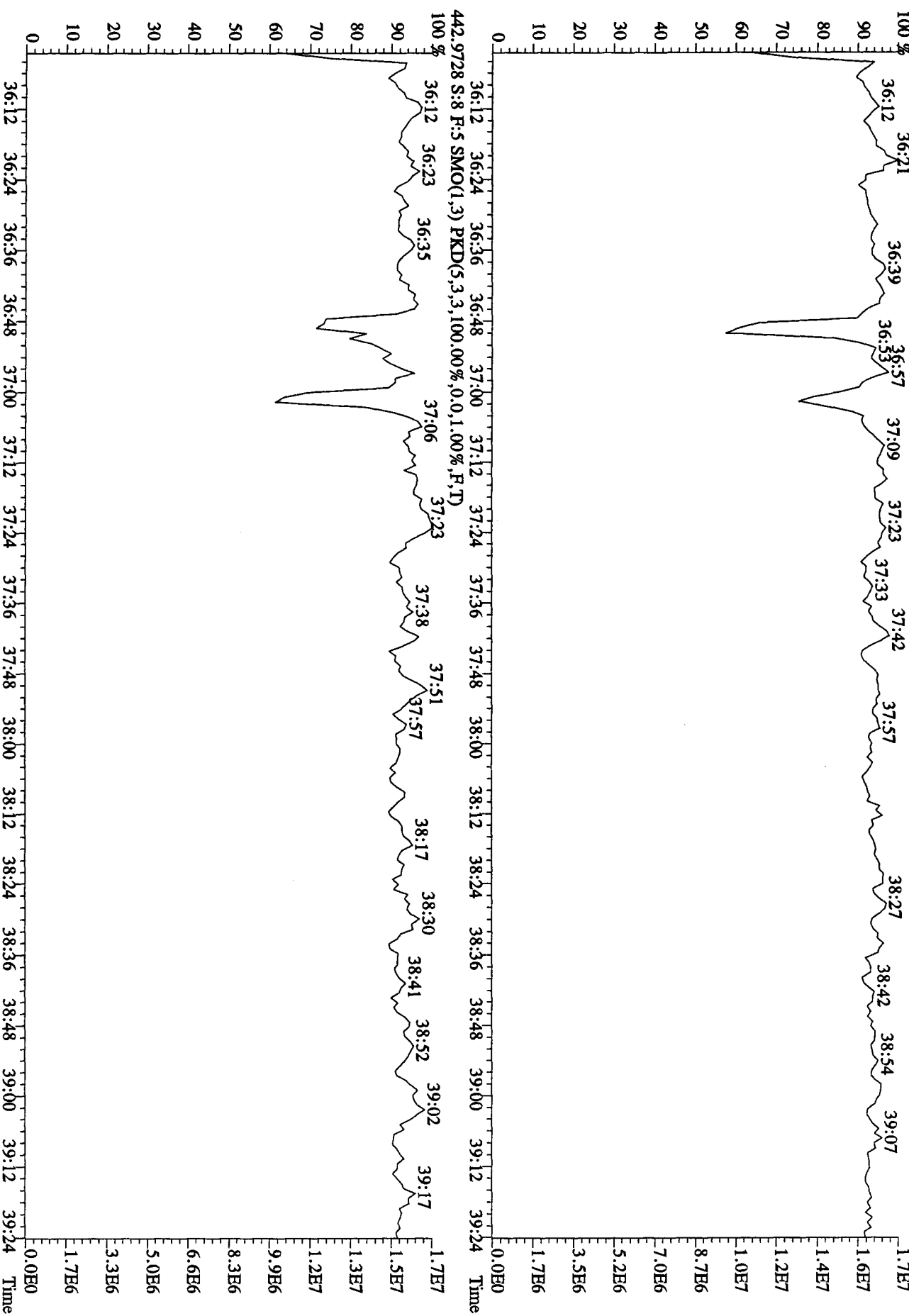
409.7789 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,17204.0,1.00%,F,T)



479.7165 S:8 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,2308.0,1.00%,F,T)



File:29AP101D5 #1-243 Acq:29-APR-2010 14:43:11 GC FI + Voltage SIR 70SE
 Sample#8 Text:LXOPR-1-AF :GOD140543-10MS Exp:DIOXINRES
 454.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Run text: LX0PR-1-AG Sample text: LX0PR-1-AG :GOD140543-10SD
 Run #10 Filename: 29AP101D5 S: 9 I: 1 Results: 29ap101d58290vg
 Acquired: 29-APR-10 15:27:01 Processed: 29-APR-10 22:38:46
 Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
 Factor 1: 1600.000 Factor 2: 20.000 Sample size: 10.12 g

Handwritten: 1/8 4.2.06

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	267211000	0.83 y	17:22	-	8.48	-	-	n
13C-2,3,7,8-TCDF	451621000	0.79 y	16:53	1.57	106.64	0.15	54.0	n
2,3,7,8-TCDF	901677000	0.78 y	16:54	0.86	458.87	0.69	-	n
Total TCDF	5245631553	0.88 y	14:12	0.86	2669.56 <i>0.13 225</i>	0.69	-	n
13C-2,3,7,8-TCDD	333114000	0.83 y	17:33	0.99	124.01	0.13	62.8	n
2,3,7,8-TCDD	46839500	0.75 y	17:35	0.93	29.76	0.24	-	n
Total TCDD	377186760	0.76 y	15:24	0.93	239.64	0.24	-	n
37Cl-2,3,7,8-TCDD	358184000	1.00 y	17:34	2.22	59.72	0.19	75.5	n
13C-1,2,3,7,8-PeCDF	391808000	1.63 y	21:45	1.07	135.05	0.23	68.3	n
1,2,3,7,8-PeCDF	880831000	1.58 y	21:46	1.00	444.26	0.96	-	n
2,3,4,7,8-PeCDF	507432000	1.58 y	23:04	0.94	272.70	1.02	-	n
Total F2 PeCDF	5333074346	1.57 y	20:16	0.97	2769.66	0.99	-	n
Total F1 PeCDF	403783614	1.15 n	15:43	0.97	210.11	0.14	-	n
13C-1,2,3,7,8-PeCDD	223958900	1.69 y	23:45	0.67	124.29	0.11	62.9	n
1,2,3,7,8-PeCDD	151156600	1.62 y	23:46	0.93	143.55	1.35	-	n
Total PeCDD	427032247	1.61 y	20:38	0.93	405.56	1.35	-	n
13C-1,2,3,7,8,9-HxCDD	237604000	1.25 y	31:56	-	8.56	-	-	n
13C-1,2,3,4,7,8-HxCDF	295898000	0.52 y	29:57	0.89	137.83	0.30	69.7	n
1,2,3,4,7,8-HxCDF	1602634000	1.23 y	29:59	1.20	892.68	13.99	-	y
1,2,3,6,7,8-HxCDF	1151605000	1.25 y	30:13	1.37	560.93	12.24	-	n
2,3,4,6,7,8-HxCDF	349123000	1.24 y	31:13	1.24	187.74	13.51	-	n
1,2,3,7,8,9-HxCDF	351766000	1.25 y	32:10	1.33	177.17	12.65	-	y
Total HxCDF	6962913400	1.26 y	27:12	1.28	3642.28	13.06	-	y
13C-1,2,3,6,7,8-HxCDD	224654000	1.28 y	31:33	0.73	127.62	0.12	64.6	n
1,2,3,4,7,8-HxCDD	147599800	1.27 y	31:27	0.97	133.86	0.49	-	n
1,2,3,6,7,8-HxCDD	186462200	1.25 y	31:34	1.06	154.99	0.45	-	n
1,2,3,7,8,9-HxCDD	215114500	1.27 y	31:57	1.28	148.39	0.37	-	n
Total HxCDD	752500650	1.30 y	28:43	1.10	599.67	0.43	-	n
13C-1,2,3,4,6,7,8-HpCDF	303295900	0.44 y	33:48	0.86	146.65	0.63	74.2	n
1,2,3,4,6,7,8-HpCDF	3719470000	1.05 y	33:49	1.29	1883.73	0.37	-	n
1,2,3,4,7,8,9-HpCDF	1203541000	1.04 y	35:01	1.14	690.73	0.42	-	n
Total HpCDF	6849034060	1.05 y	33:49	1.21	3610.80	0.39	-	n
13C-1,2,3,4,6,7,8-HpCDD	237186000	1.07 y	34:41	0.75	131.14	0.65	66.4	n
1,2,3,4,6,7,8-HpCDD	293649000	1.04 y	34:41	1.00	245.21	0.39	-	n
Total HpCDD	381548242	0.42 n	33:41	1.00	318.61	0.39	-	n
13C-OCDD	375124000	0.89 y	37:17	0.56	276.40	0.59	69.9	n
OCDF	6495500000	0.88 y	37:23	1.44	4761.68	1.05	-	n

OCDD 380307000 0.89 y 37:18 1.11

361.16 /

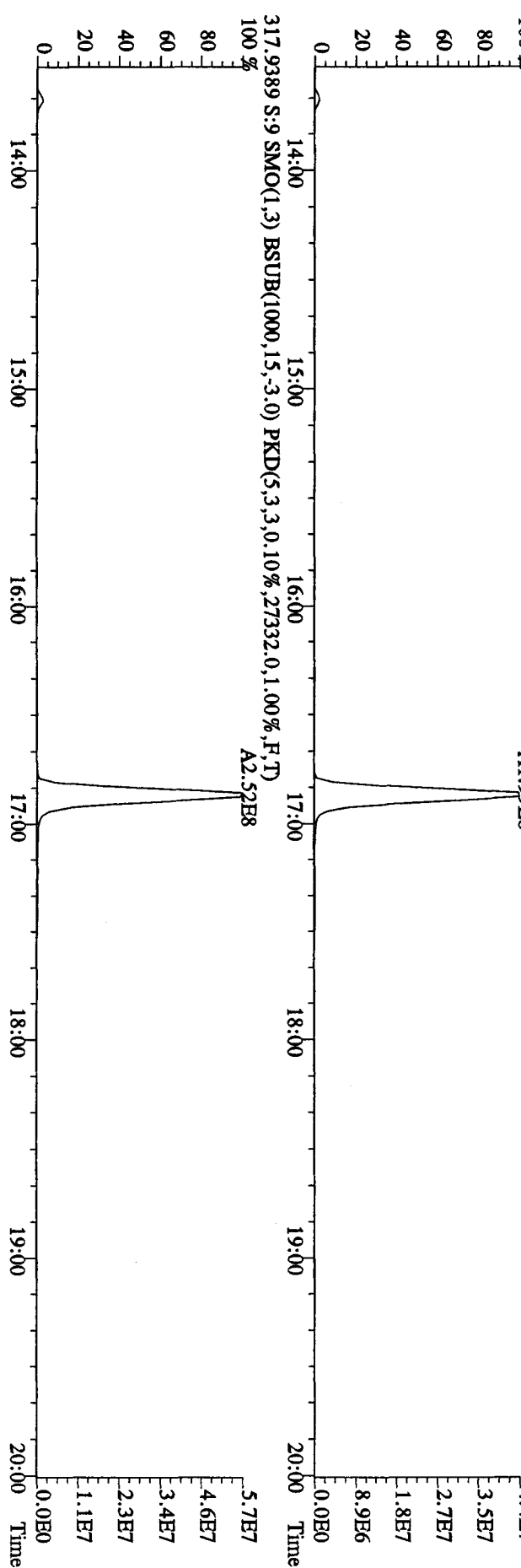
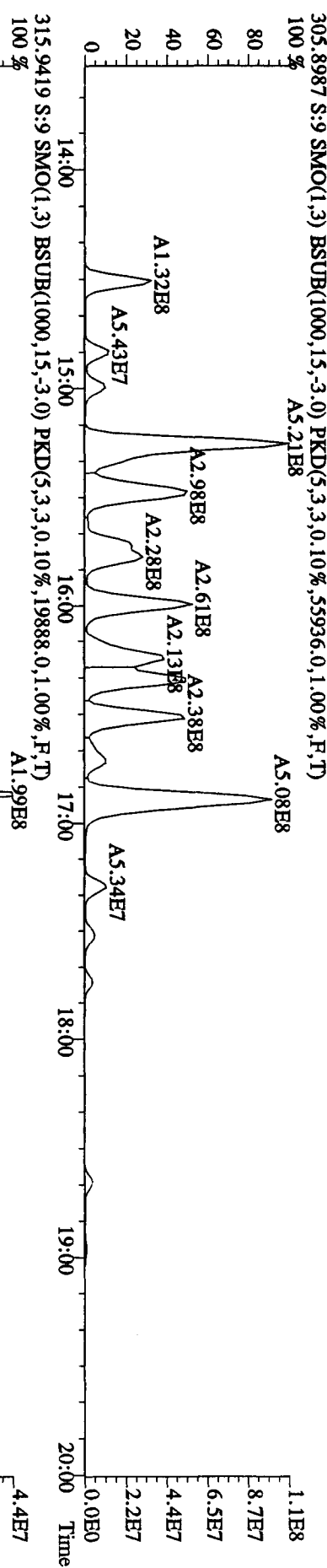
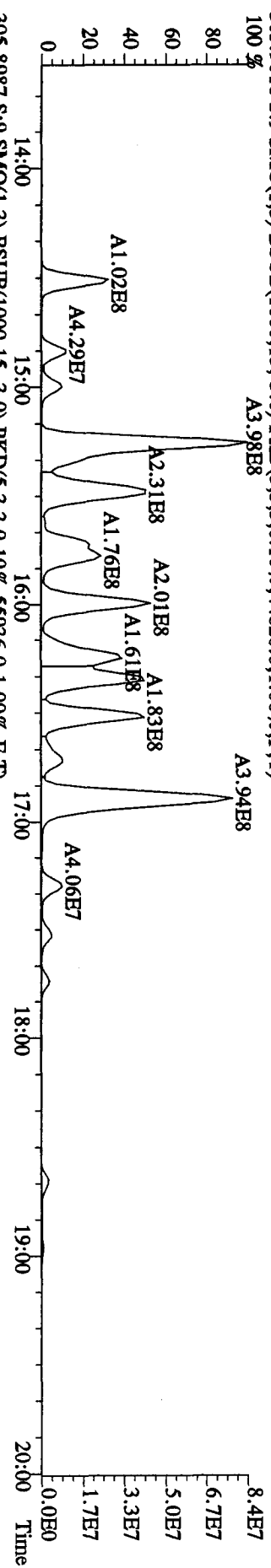
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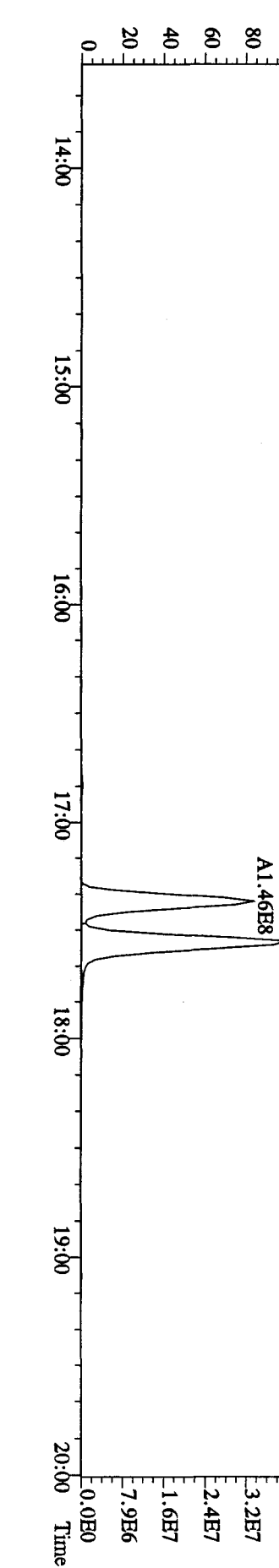
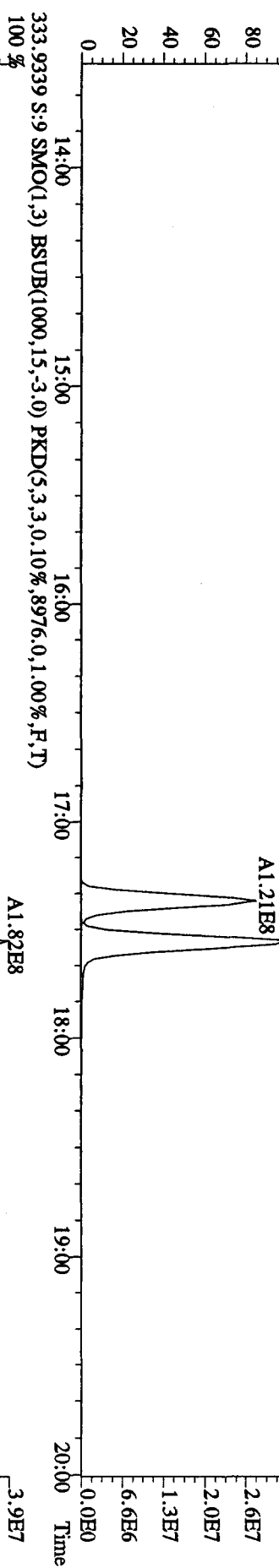
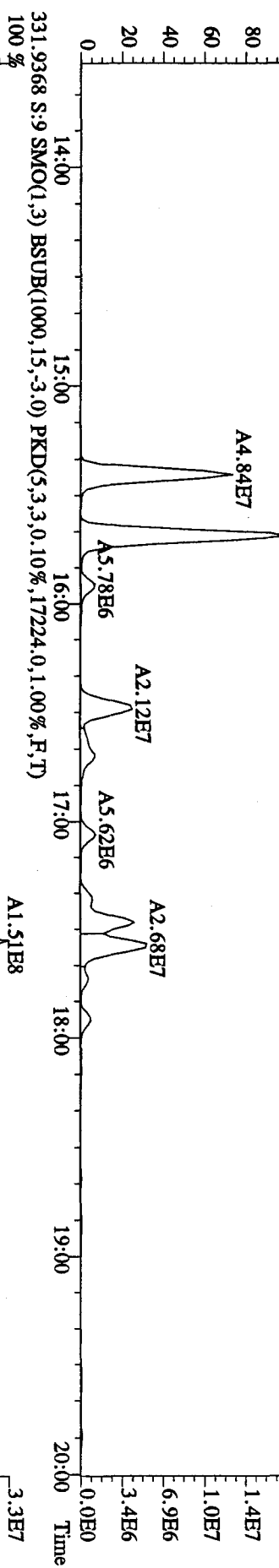
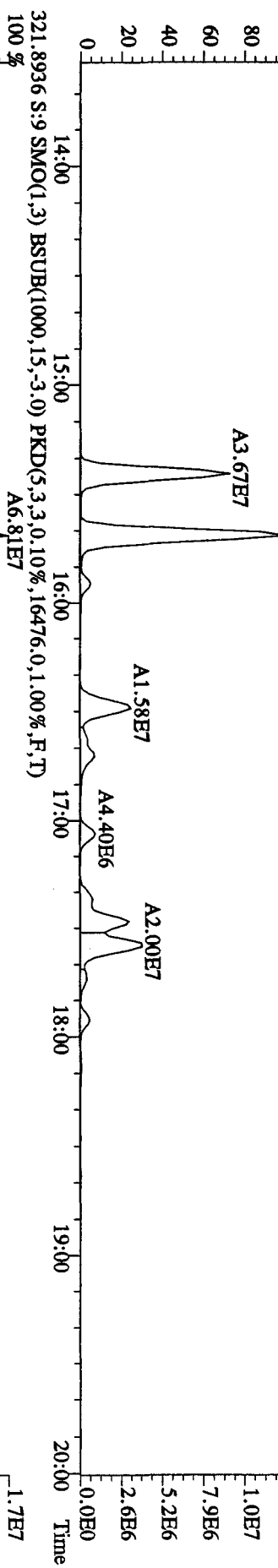
Run text: LXOPR-1-AG Sample text: LXOPR-1-AG :G0D140543-10SD
 Run #10 Filename: 29AP101D5 S: 9 I: 1 Results: 29AP101D58290
 Acquired: 29-APR-10 15:27:01 Processed: 29-APR-10 22:38:46
 Run: 29AP101D5 Analyte: 8290HRS Cal: 82901231091D5
 Factor 1:1600.000 Factor 2:20.000 Sample size: 10.12 g

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	267211000	0.83 y	17:22	-	8.477	-	-	n
13C-2,3,7,8-TCDF	451621000	0.79 y	16:53	1.57	106.645	0.146	54.0	n
2,3,7,8-TCDF	901677000	0.78 y	16:54	0.86	458.874	0.686	-	n
Total TCDF	5245631553	0.88 y	14:12	0.86	2669.564 DB275	0.686	-	n
13C-2,3,7,8-TCDD	333114000	0.83 y	17:33	0.99	124.014	0.128	62.8	n
2,3,7,8-TCDD	46839500	0.75 y	17:35	0.93	29.759 ✓	0.243	-	n
Total TCDD	377186760	0.76 y	15:24	0.93	239.644	0.243	-	n
37Cl-2,3,7,8-TCDD	358184000	1.00 y	17:34	2.22	59.716	0.193	75.5	n
13C-1,2,3,7,8-PeCDF	391808000	1.63 y	21:45	1.07	135.051	0.226	68.3	n
1,2,3,7,8-PeCDF	880831000	1.58 y	21:46	1.00	444.257 ✓	0.957	-	n
2,3,4,7,8-PeCDF	507432000	1.58 y	23:04	0.94	272.695 ✓	1.019	-	n
Total F2 PeCDF	5333074346	1.57 y	20:16	0.97	2769.664	0.987	-	n
Total F1 PeCDF	403783614	1.15 n	15:43	0.97	210.112	0.137	-	n
13C-1,2,3,7,8-PeCDD	223958900	1.69 y	23:45	0.67	124.288	0.112	62.9	n
1,2,3,7,8-PeCDD	151156600	1.62 y	23:46	0.93	143.555 ✓	1.354	-	n
Total PeCDD	427032247	1.61 y	20:38	0.93	405.556	1.354	-	n
13C-1,2,3,7,8,9-HxCDD	237604000	1.25 y	31:56	-	8.560	-	-	n
13C-1,2,3,4,7,8-HxCDF	295898000	0.52 y	29:57	0.89	137.830	0.304	69.7	n
1,2,3,4,7,8-HxCDF	1734576000	1.25 y	29:59	1.20	966.178	13.992	-	n
1,2,3,6,7,8-HxCDF	1151604000	1.25 y	30:13	1.37	560.925	12.235	-	n
2,3,4,6,7,8-HxCDF	349123000	1.24 y	31:13	1.24	187.736	13.508	-	n
1,2,3,7,8,9-HxCDF	551737000	1.24 y	32:10	1.33	277.882	12.652	-	n
Total HxCDF	7166500700	1.26 y	27:12	1.28	3749.770	13.060	-	n
13C-1,2,3,6,7,8-HxCDD	224654000	1.28 y	31:33	0.73	127.620	0.116	64.6	n
1,2,3,4,7,8-HxCDD	147599800	1.27 y	31:27	0.97	133.864 ✓	0.490	-	n
1,2,3,6,7,8-HxCDD	186462200	1.25 y	31:34	1.06	154.987 ✓	0.449	-	n
1,2,3,7,8,9-HxCDD	215114500	1.27 y	31:57	1.28	148.390 ✓	0.373	-	n
Total HxCDD	752500650	1.30 y	28:43	1.10	599.669	0.432	-	n
13C-1,2,3,4,6,7,8-HpCDF	303295900	0.44 y	33:48	0.86	146.645	0.632	74.2	n
1,2,3,4,6,7,8-HpCDF	3719470000	1.05 y	33:49	1.29	1883.728 ✓	0.368	-	n
1,2,3,4,7,8,9-HpCDF	1203541000	1.04 y	35:01	1.14	690.726 ✓	0.417	-	n
Total HpCDF	6849034060	1.05 y	33:49	1.21	3610.799	0.391	-	n
13C-1,2,3,4,6,7,8-HpCDD	237186000	1.07 y	34:41	0.75	131.141	0.655	66.4	n
1,2,3,4,6,7,8-HpCDD	293649000	1.04 y	34:41	1.00	245.208	0.391	-	n
Total HpCDD	381548242	0.42 n	33:41	1.00	318.607	0.391	-	n
13C-OCDD	375124000	0.89 y	37:17	0.56	276.397	0.594	69.9	n
OCDF	6495500000	0.88 y	37:23	1.44	4761.679	1.054	-	n
OCDD	380307000	0.89 y	37:18	1.11	361.158	0.458	-	n

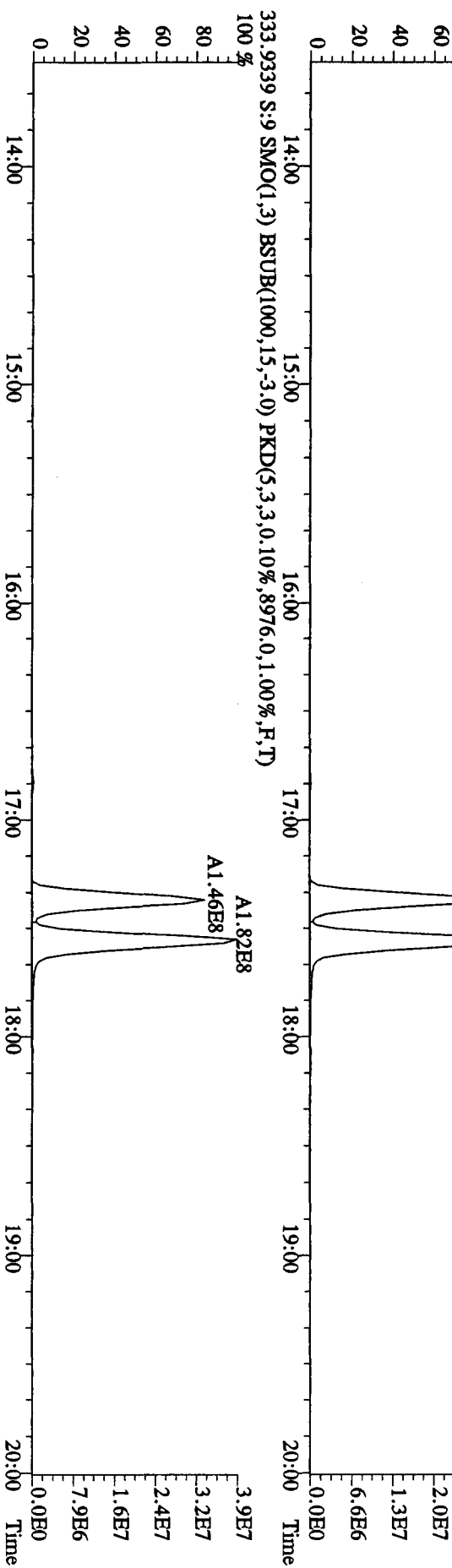
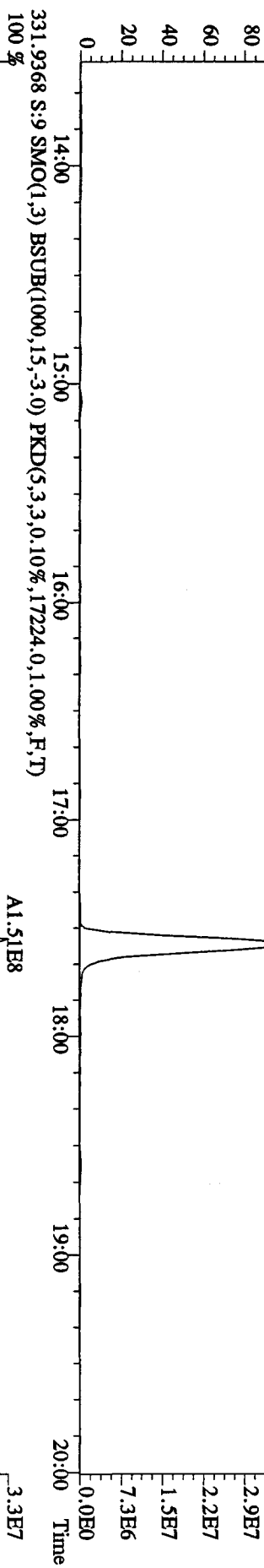
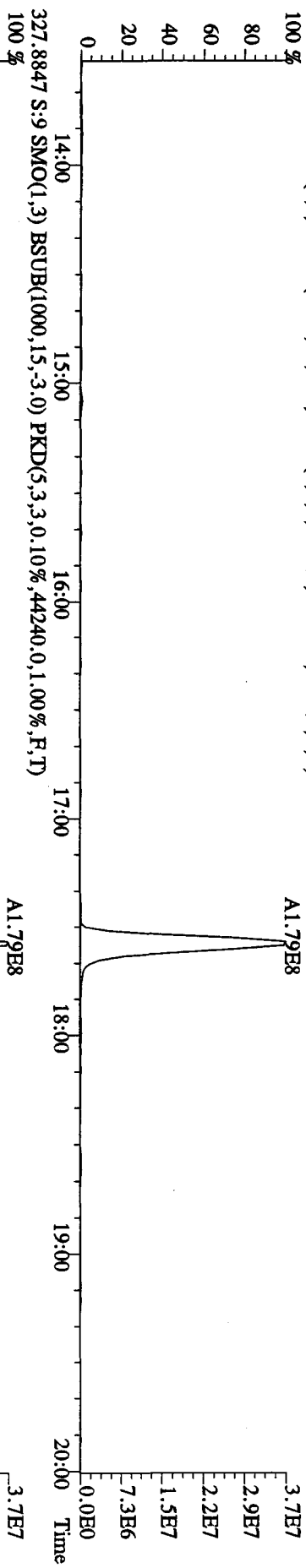
File:29AP1010D5 #1-384 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LX0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
 303.9016 S:9 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,44820,0,1,00%,F,T)



File:29AP101D5 #1-384 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AG :GOD140543-10SD Exp:DIOXINRES
 319.8965 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11272.0,1.00%,F,T)
 100 % A5.13E7



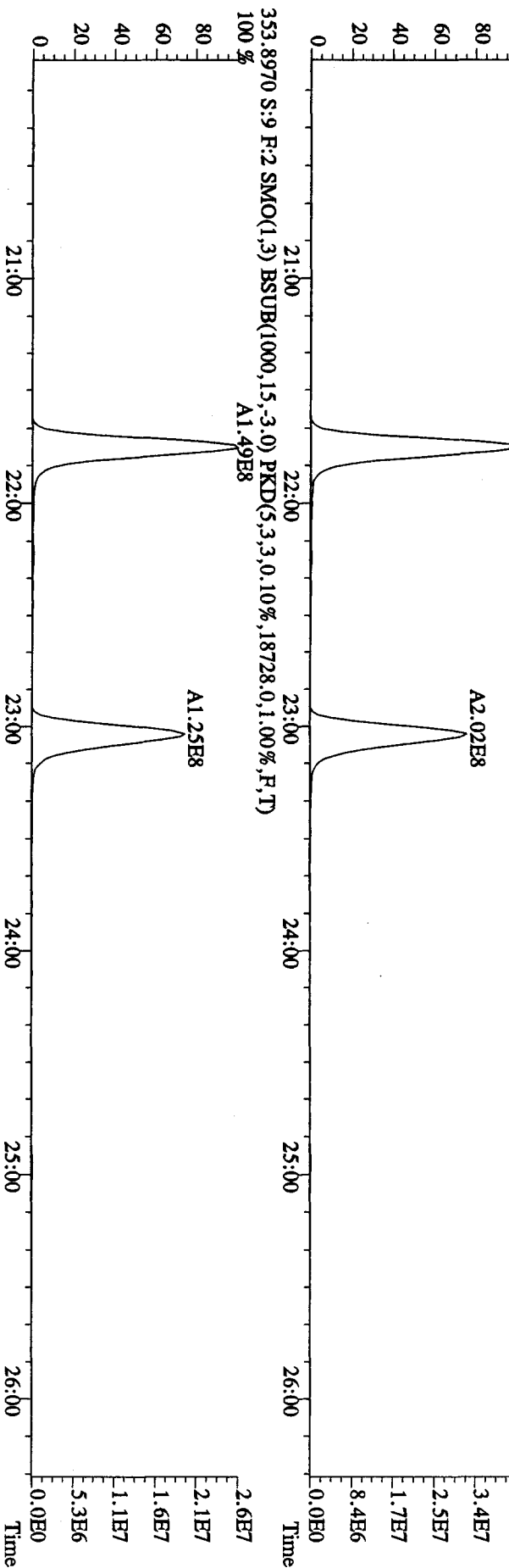
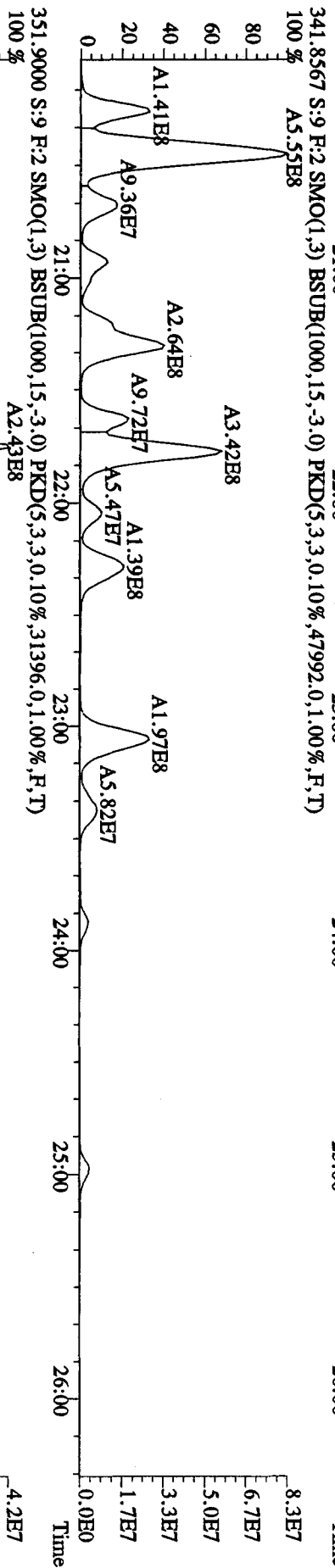
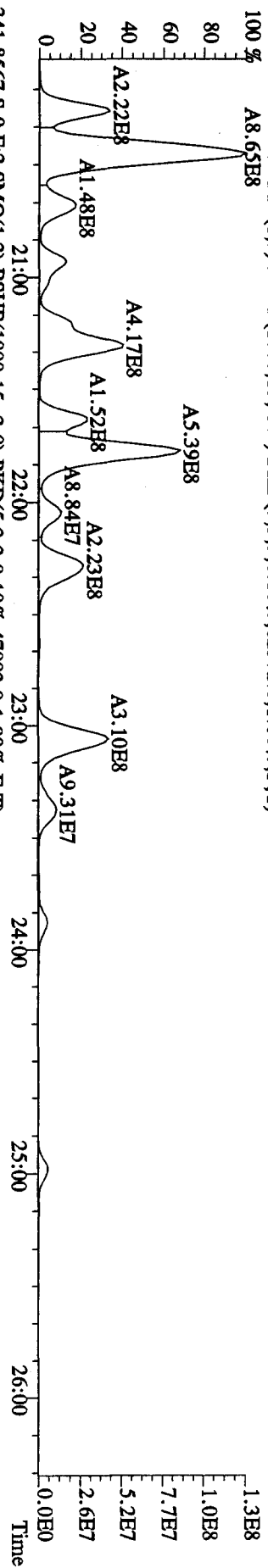
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 Sample#9 Text: LXOPR-1-AG :G0D140543-10SD Exp: DIOXINRES
 327.8847 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44240.0,1.00%,F,T)



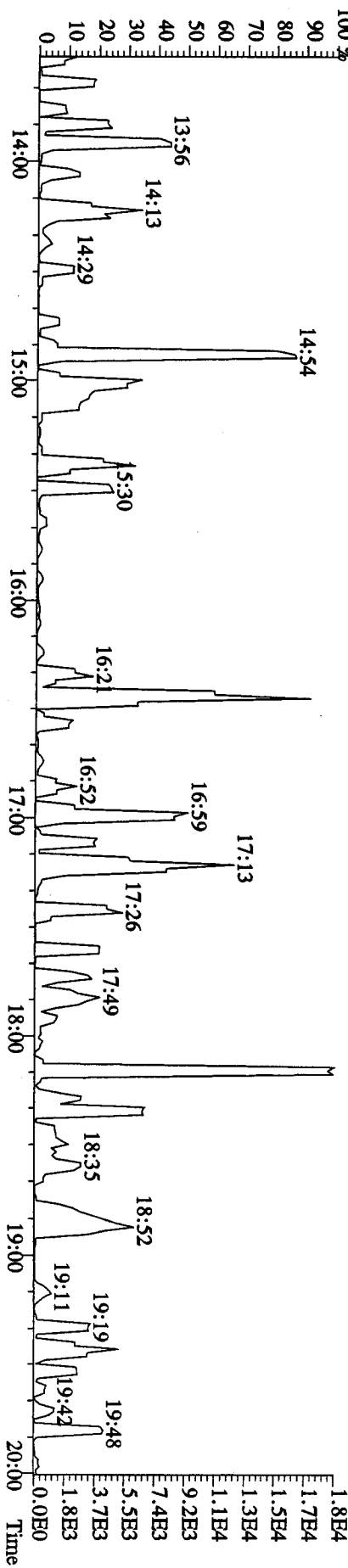
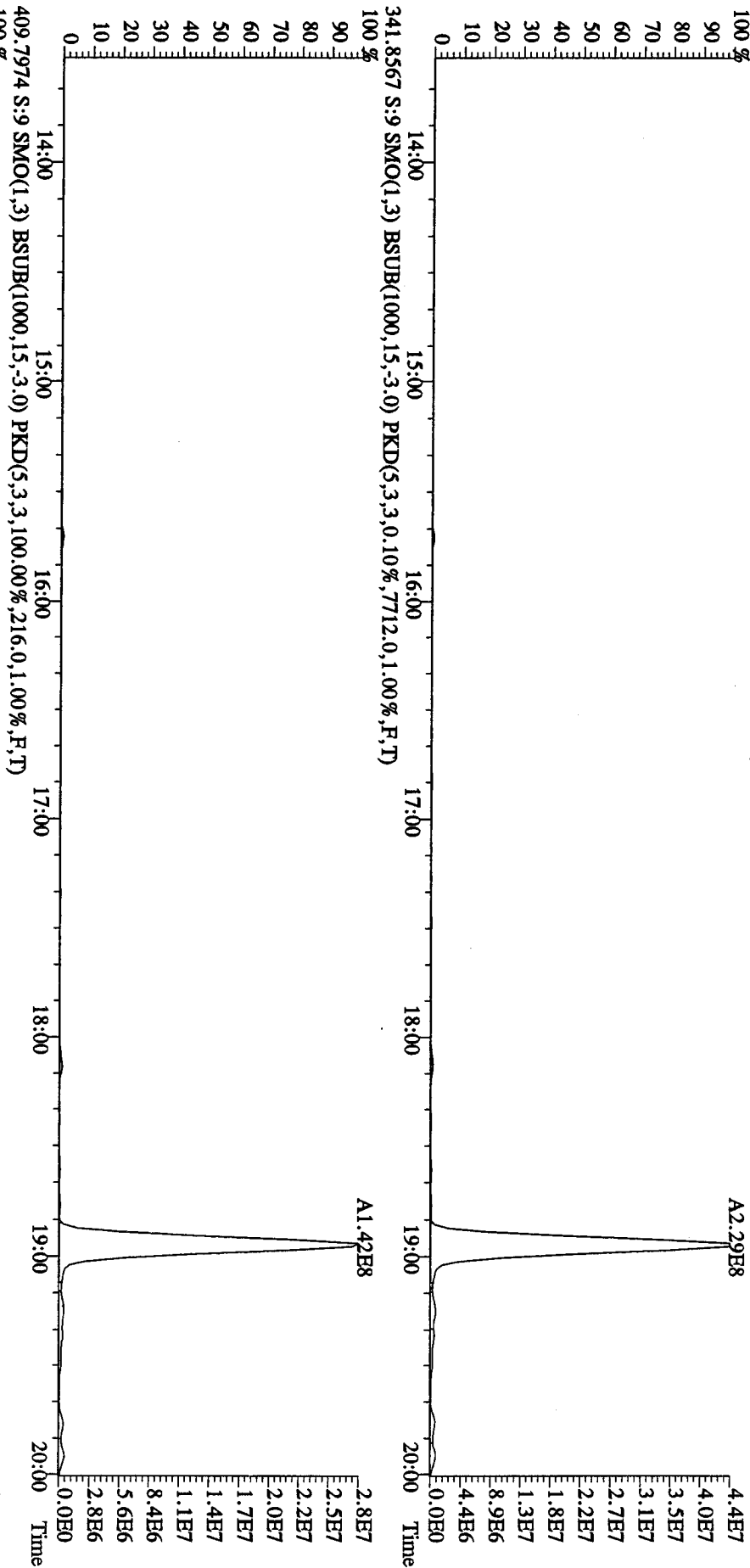
File:29AP101D5 #1-445 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE

Sample#9 Text:LX0PR-1-AG :GDD140543-10SD Exp:DIOXINRES

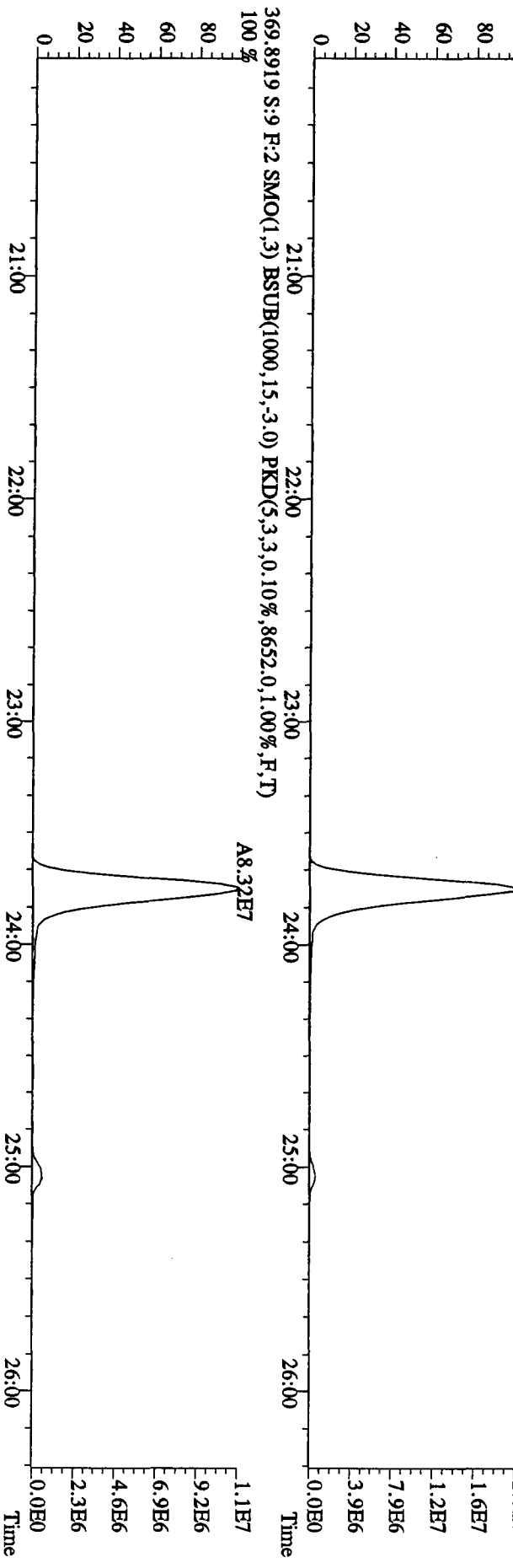
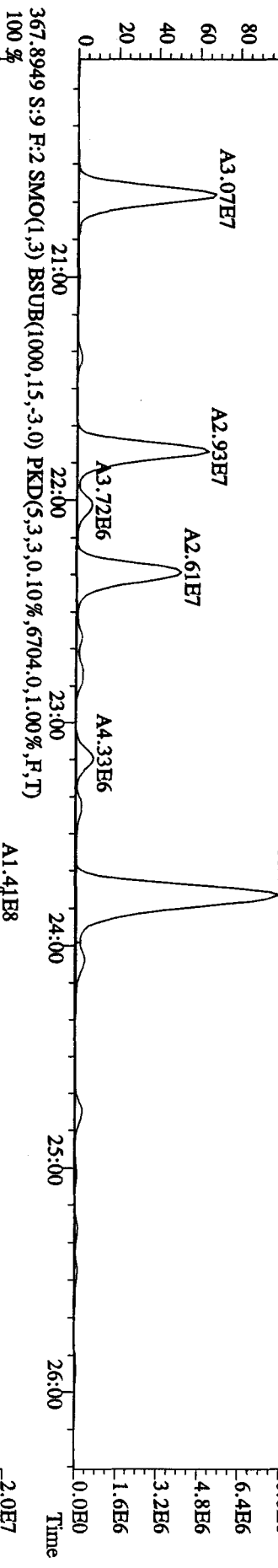
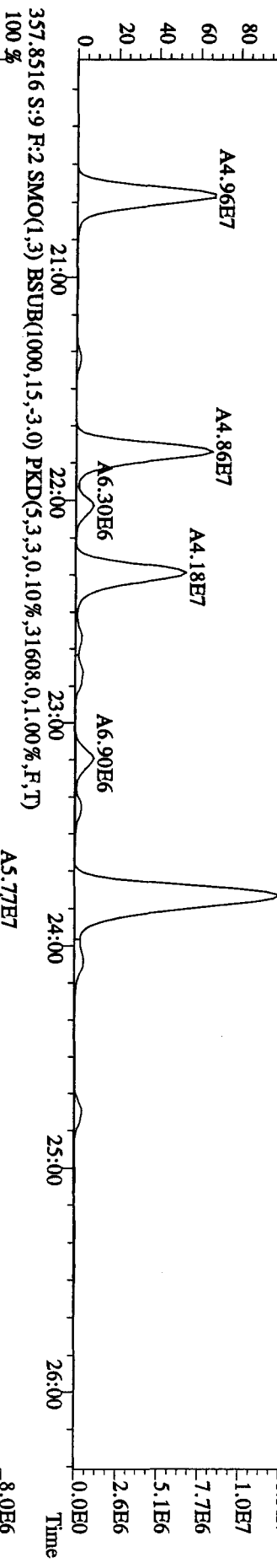
339.8597 S:9 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,62572.0,1.00%,F,T)



File:29AP10101D5 #1-384 Acq:29-APR-2010 15:27:01 GC FI+ Voltage SIR 70SE
 Sample#9 Text:1X0PR-1-AG :G0D140543-10SD Exp:DIOXINRES
 339.8597 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7616.0,1.00%,F,T)



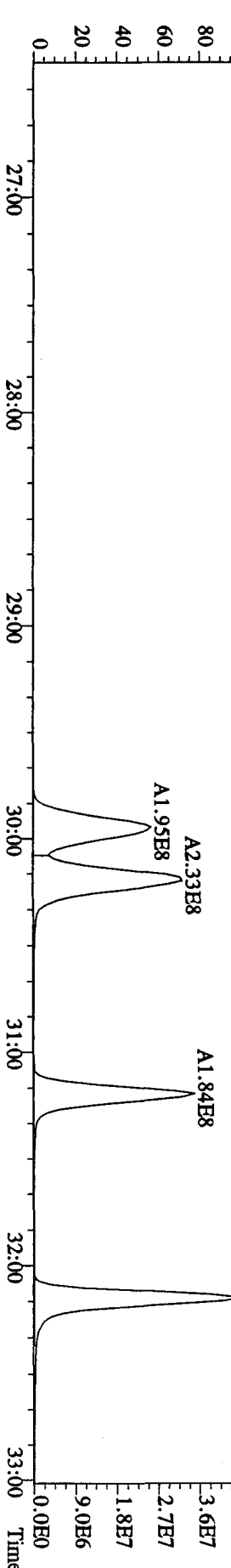
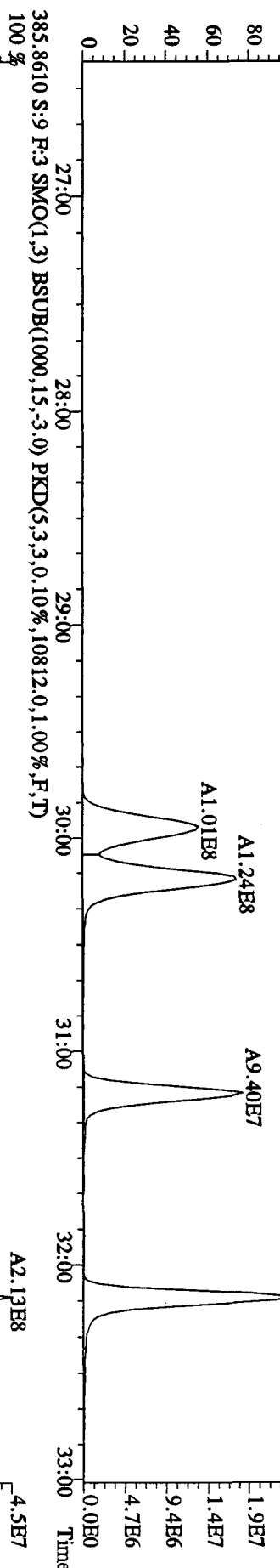
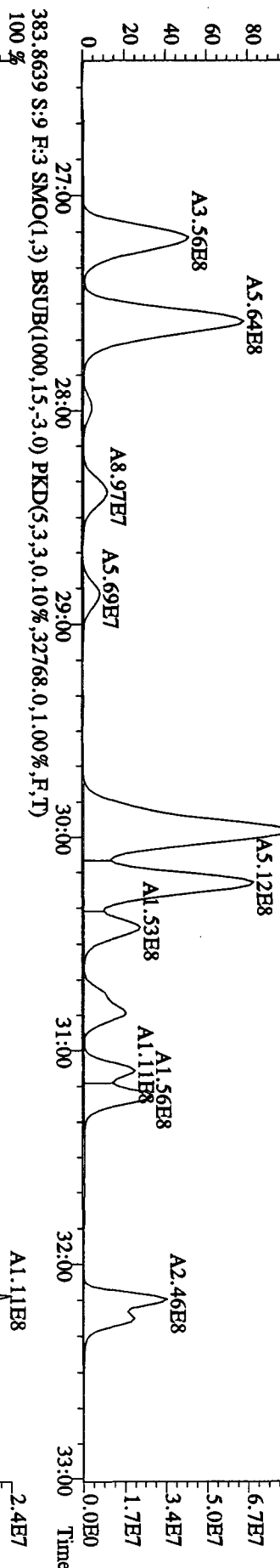
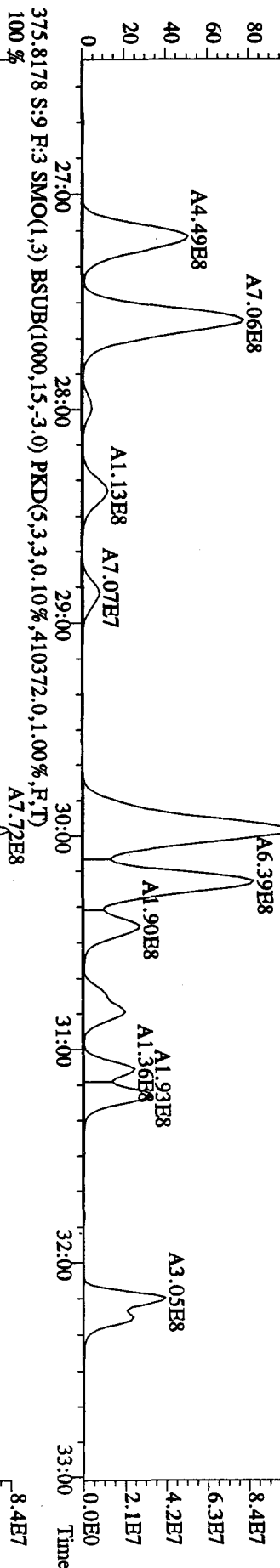
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 355.8546 S:9 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,34472.0,1.00%,F,T)



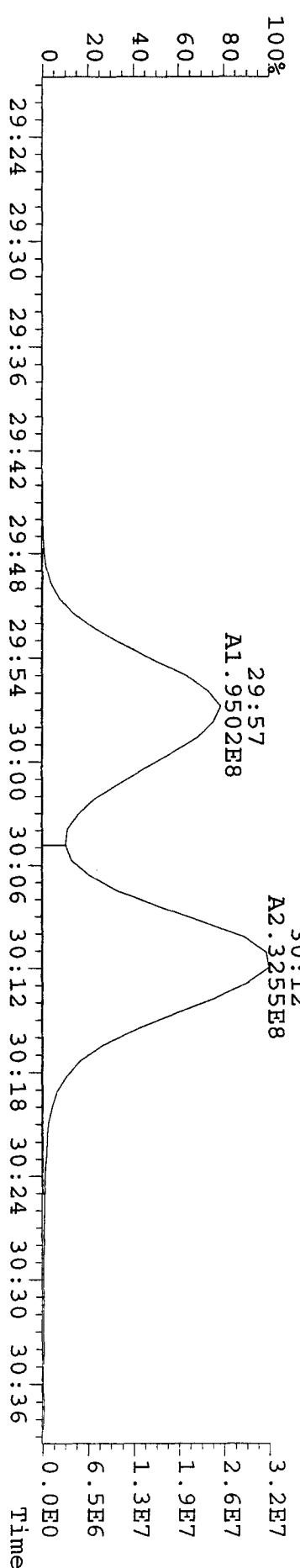
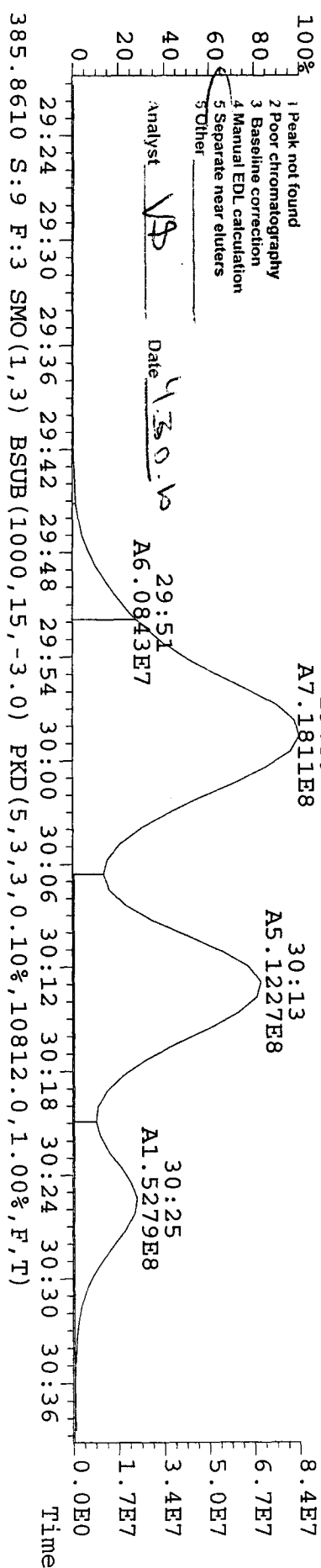
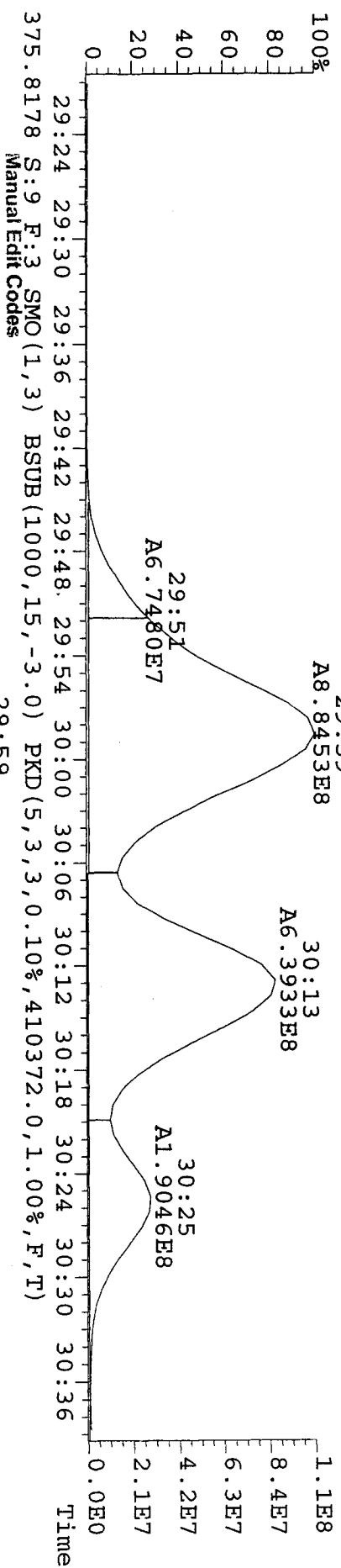
File: 29AP101D5 #1-447 Acq: 29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE

Sample#9 Text: IXXPR-1-AG :G0D140543-10SD Exp: DIOXINRES

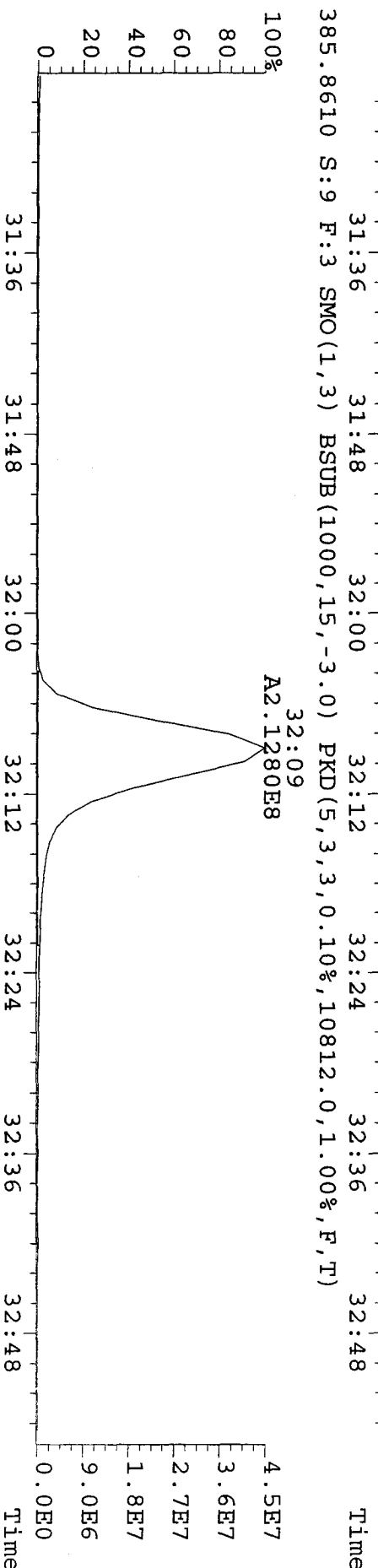
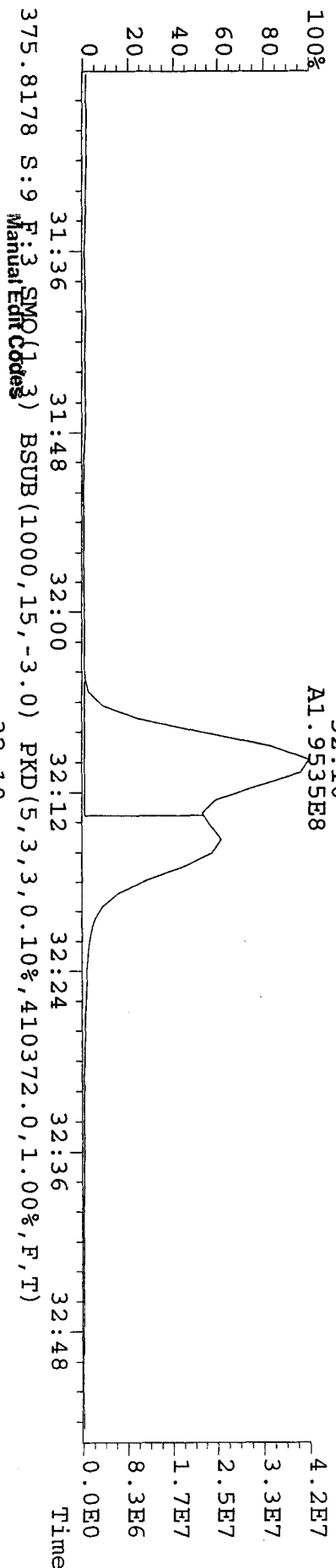
373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,676604,0,1,00%,F,T)



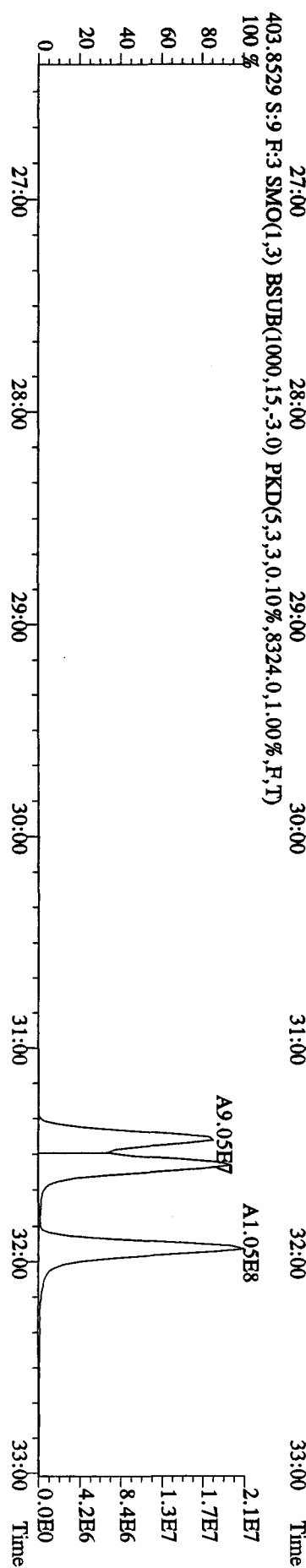
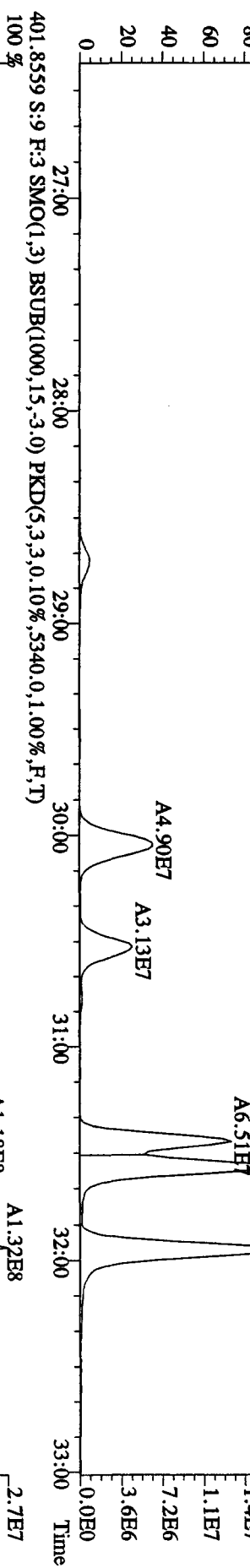
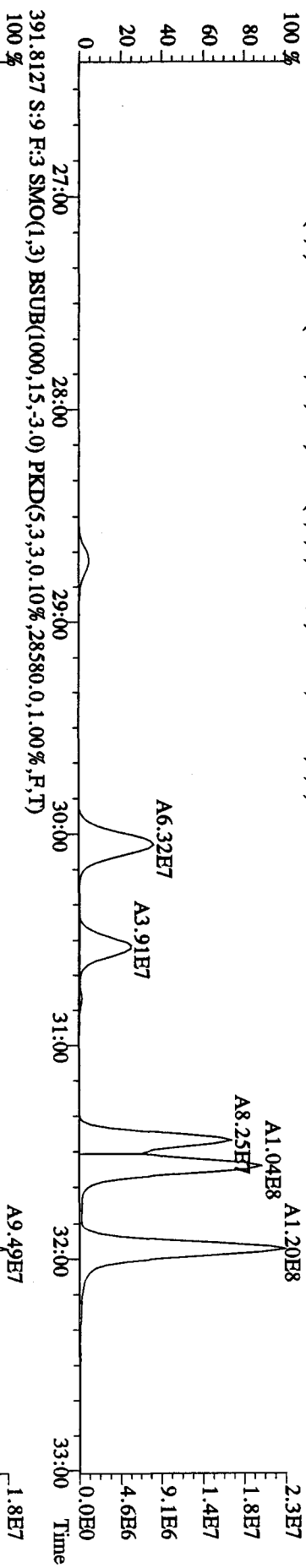
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 Sample#9 Text: LX0PR-1-AG : GOD140543-10 Exp: DIOXINRES
 373.8208 S: 9 F: 3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676604.0,1.00%,F,T)



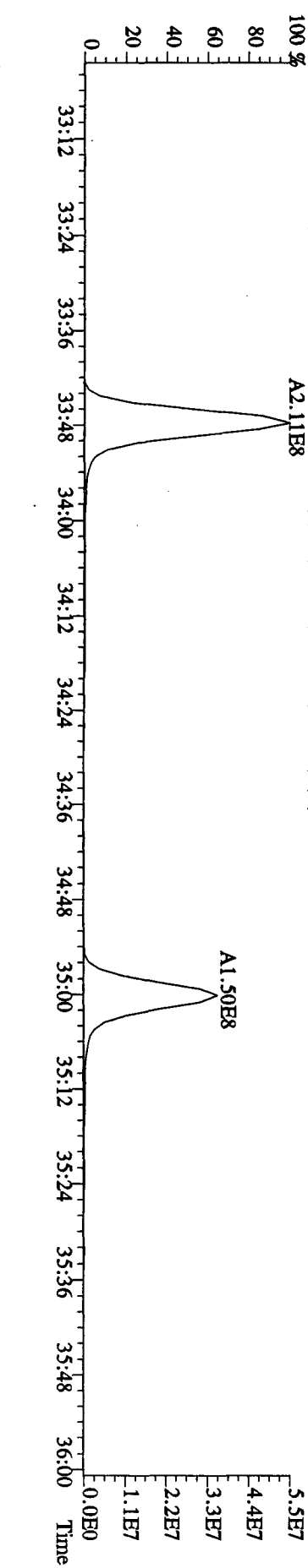
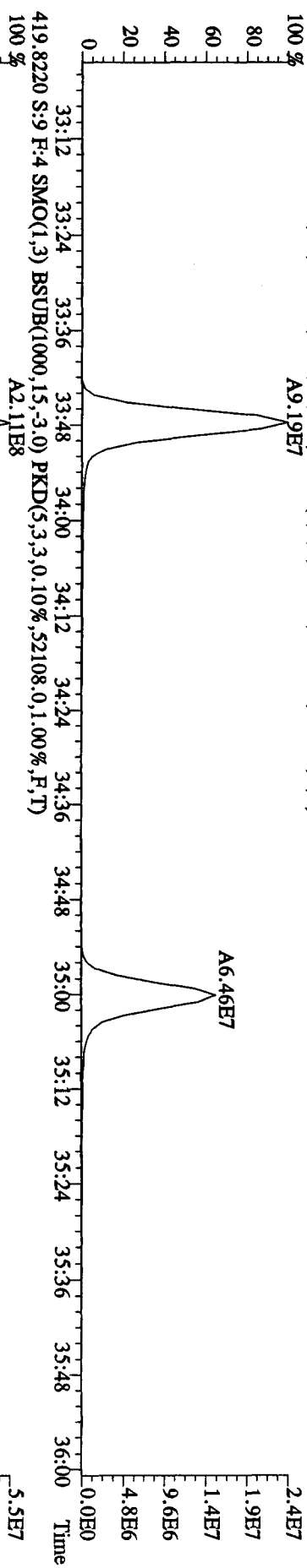
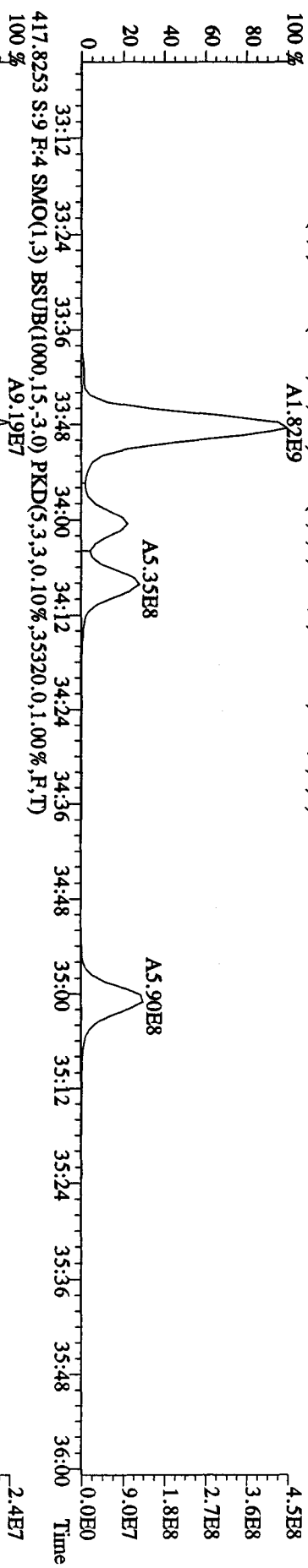
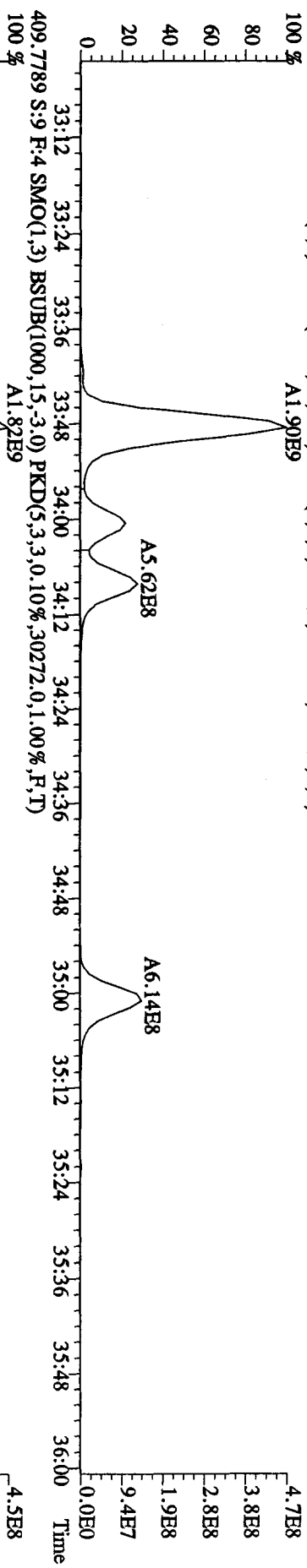
File: 29AP101D5 #1-447 Acq: 29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text: LX0PR-1-AG : GOD140543-10 Exp: DIOXINRES
 373.8208 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676604.0,1.00%,F,T)



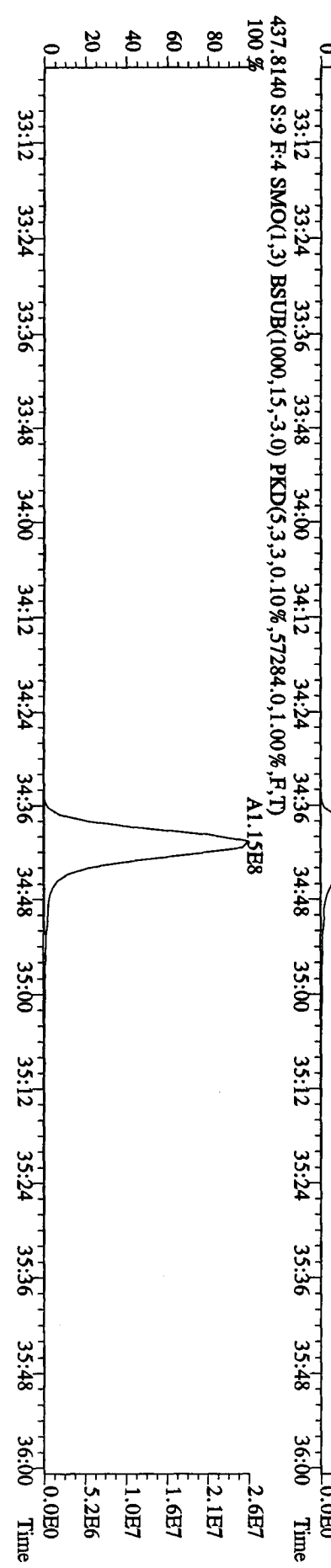
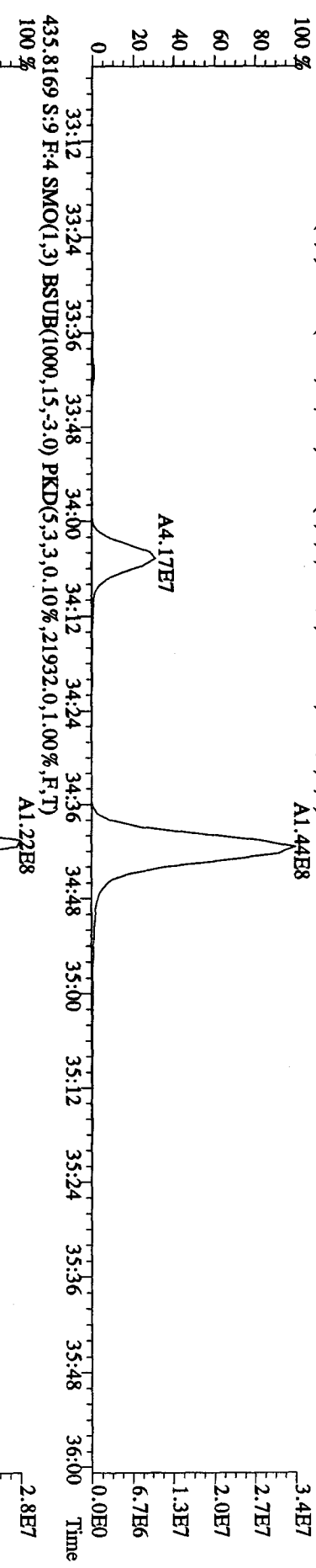
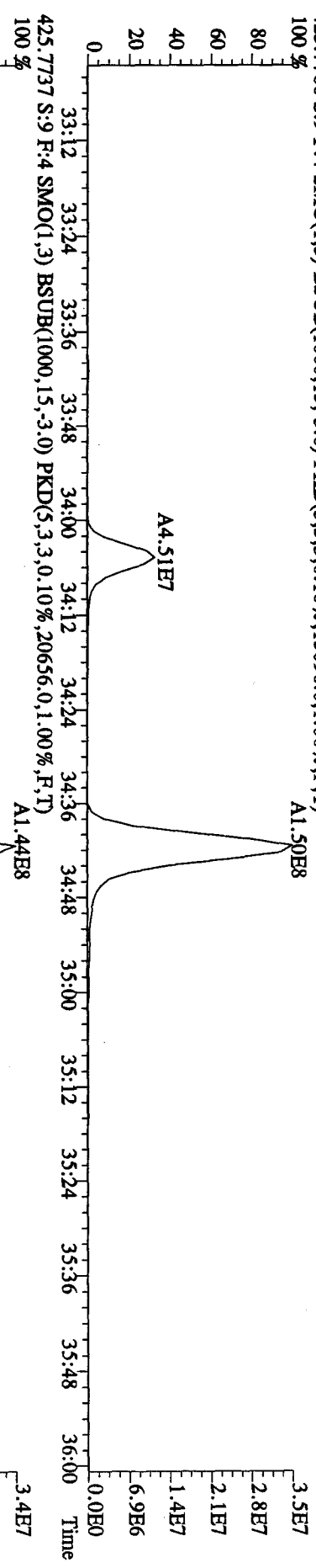
File:29AP101D5 #1-447 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text: LXOPR-1-AG :GOD140543-10SD Exp:DIOXINRES
 389.8157 S:9 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7032.0,1.00%,F,T)



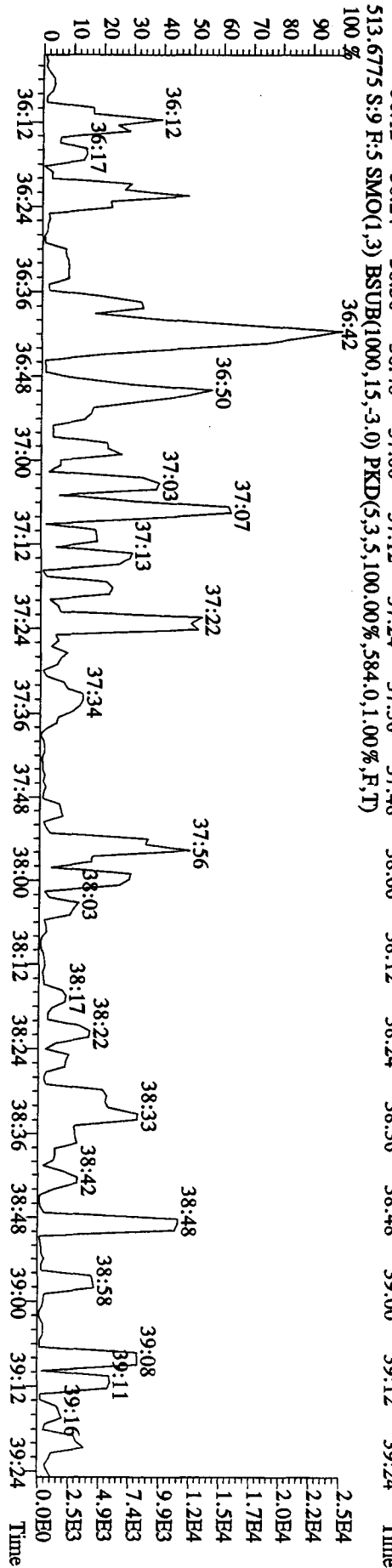
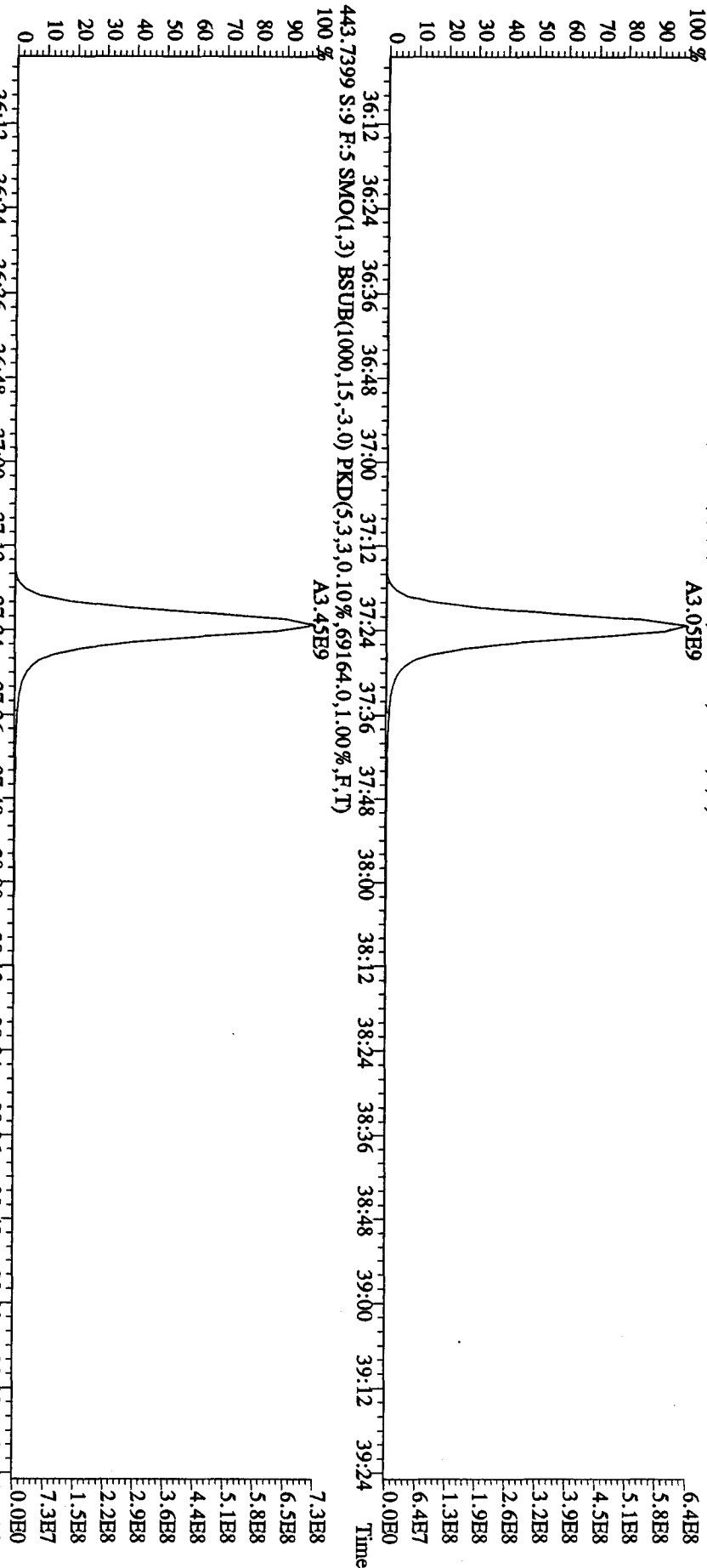
File:29AP1010D5 #1-210 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AG :GOD140543-10SD Exp:DIOXINRES
 407.7818 S:9 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32492.0,1.00%,F,T)



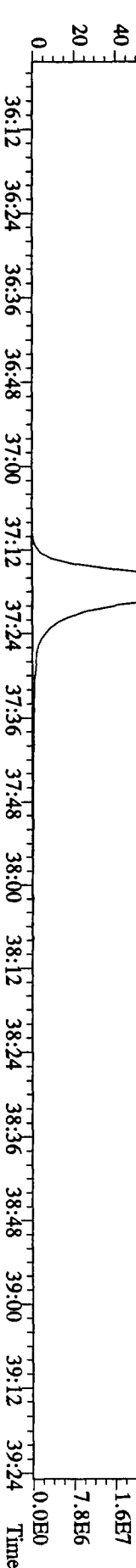
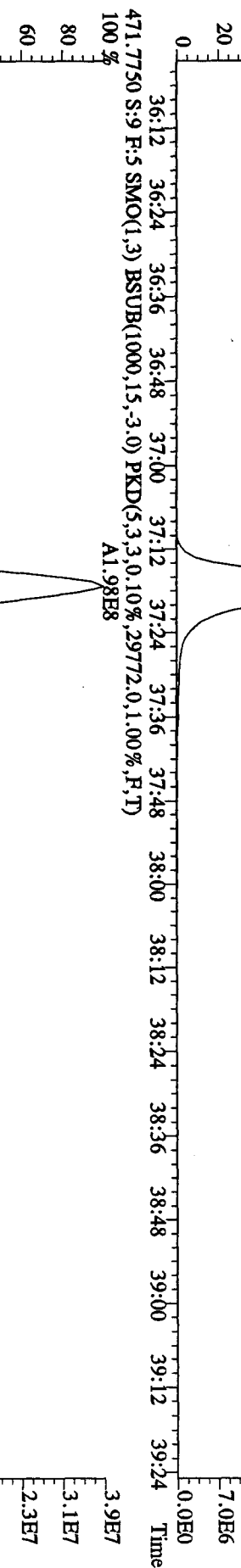
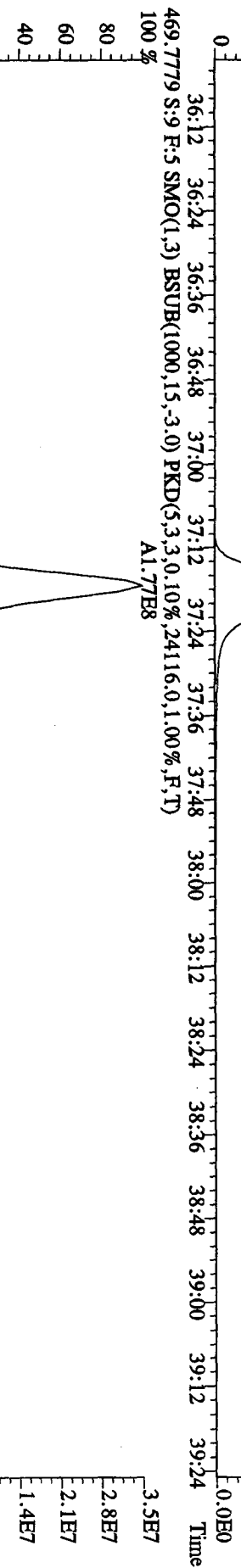
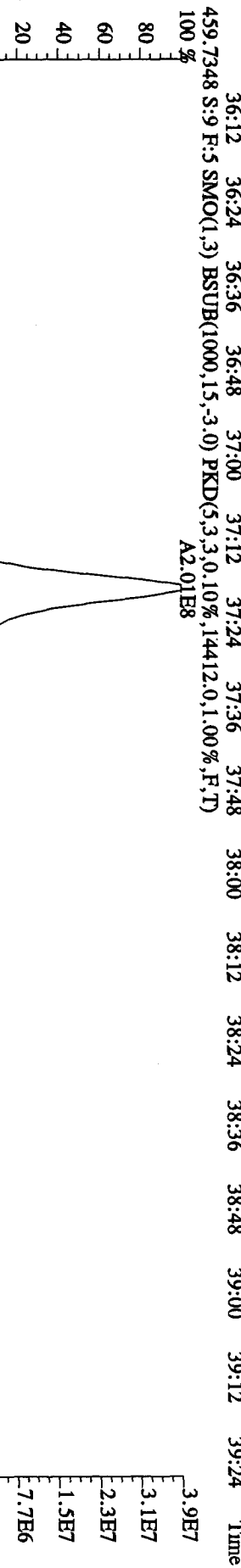
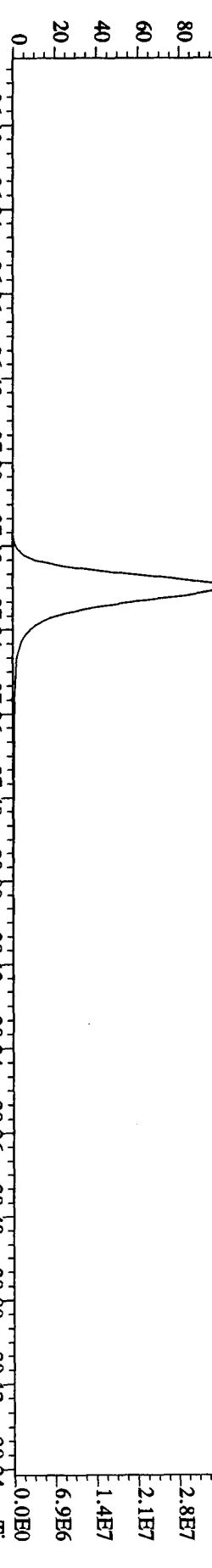
File:29AP101D5 #1-210 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AG :G0D140543-10SD Exp:DIOXINRES
 423.7766 S:9 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,15096,0,1,00%,F,T)



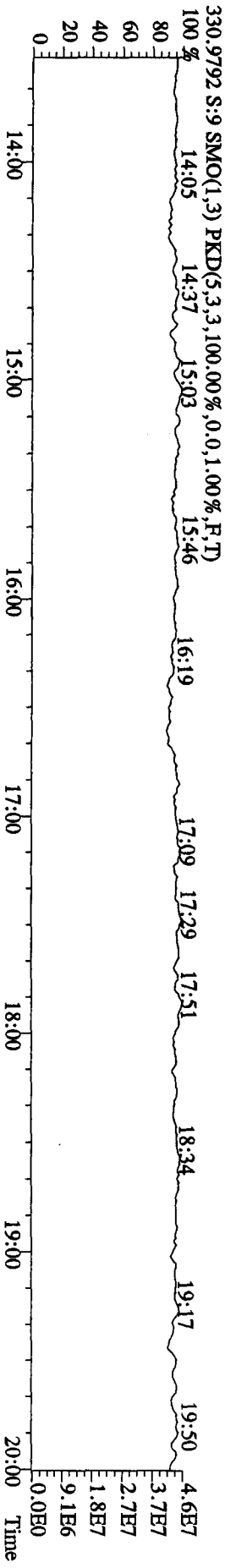
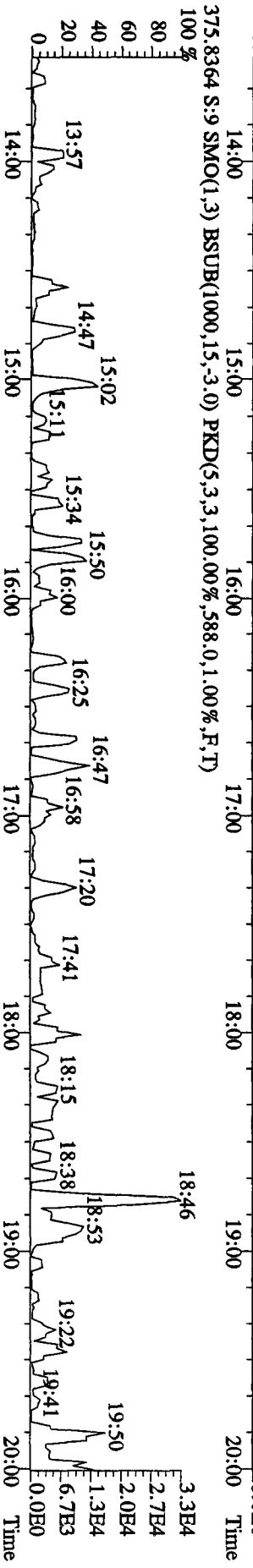
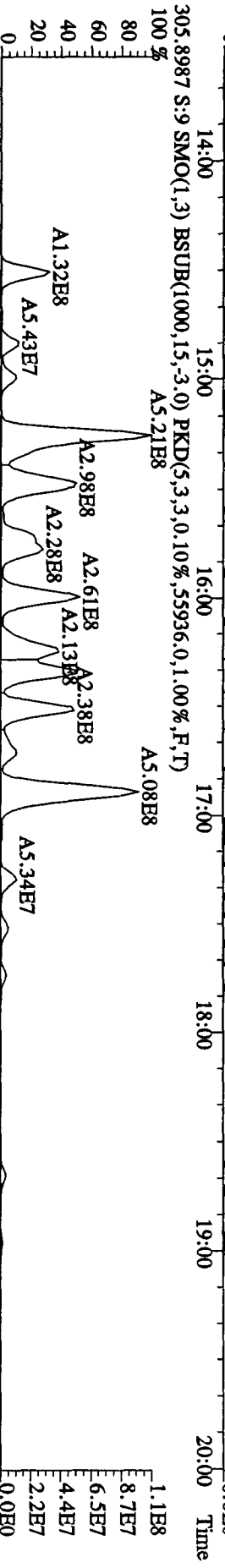
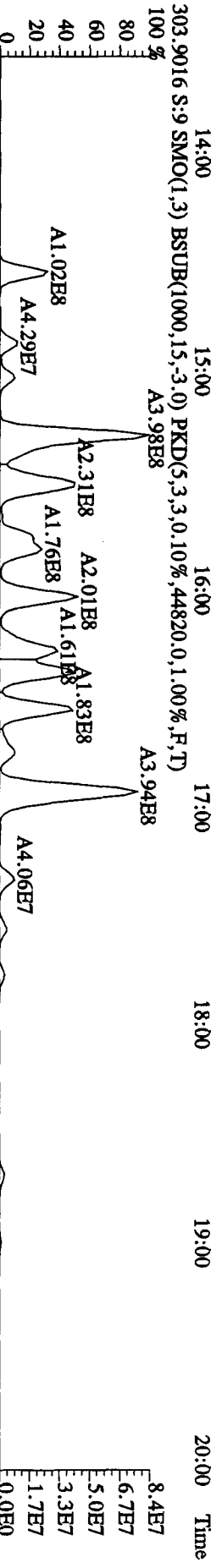
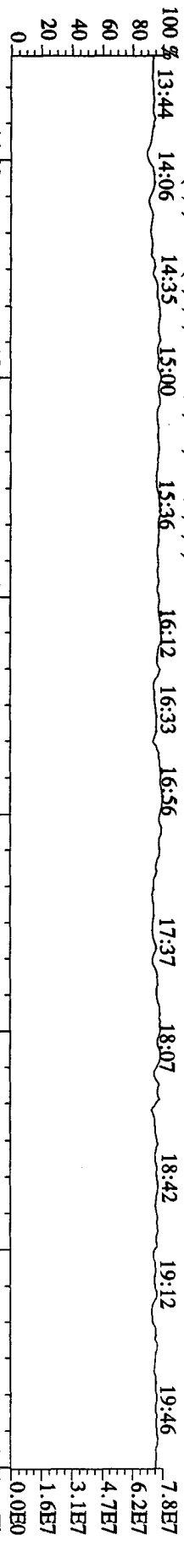
File: 29AP1010D5 #1-244 Acq: 29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text: LX0PR-1-AG :G0D140543-10SD Exp: DIOXINRES
 441.7428 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25012.0,1.00%,F,T)
 A3.05E9



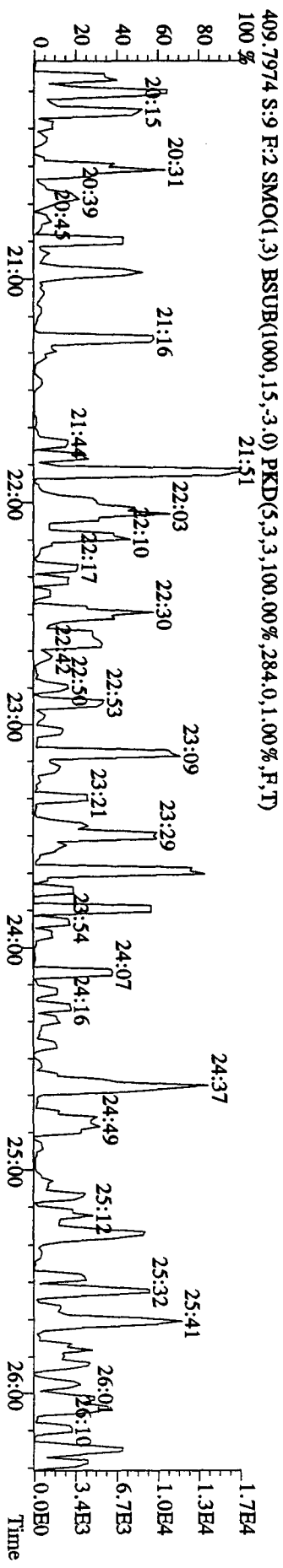
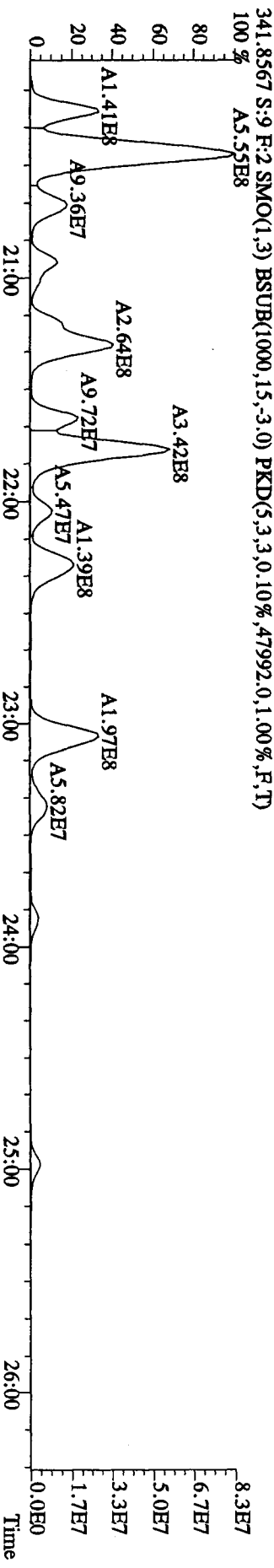
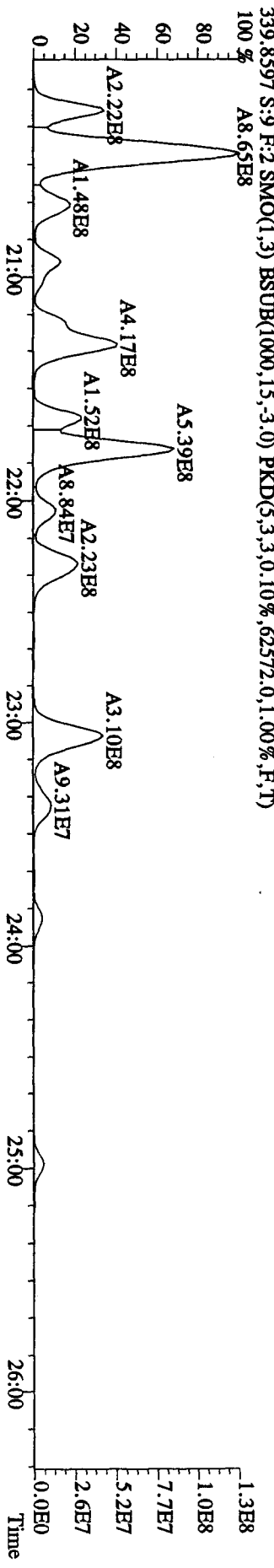
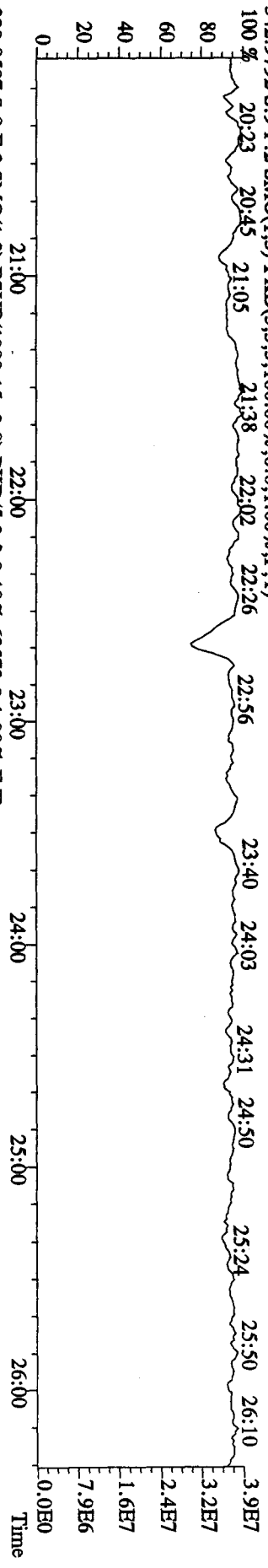
File:29AP101D5 #1-244 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:IXOPR-1-AG :GOD140543-10SD Exp:DIOXINRES
 457.7377 S:9 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,17132.0,1.00%,F,T)
 100 % A1.79E8



File: 29AP101D5 #1-384 Acq: 29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text: LXOPR-1-AG :GOD140543-10SD Exp: DIOXINRES
 292.9825 S:9 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)
 100% 13:44 14:06 14:35 15:00 15:36 16:12 16:33 16:56 17:37 18:07 18:42 19:12 19:46

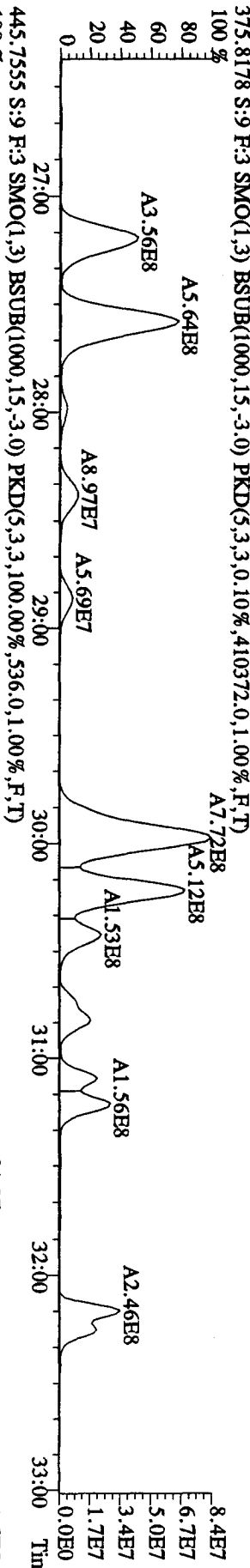
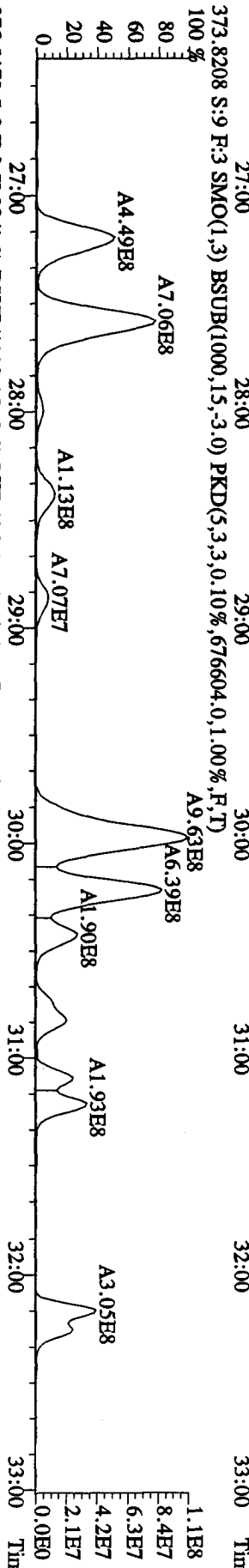
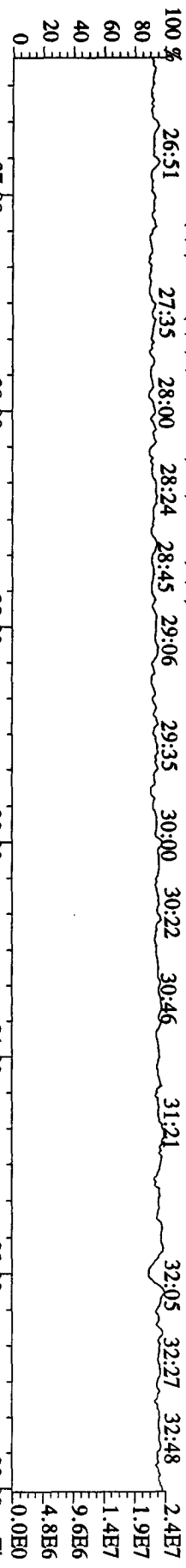


File: 29AP101D5 #1-445 Acq: 29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text: LIXOPR-1-AG :GOD140543-10SD Exp: DIOXINRES
 342.9792 S:9 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)
 20:23 20:45 21:05 21:38 22:02 22:26 22:56 23:40 24:03 24:31 24:50 25:24 25:50 26:10



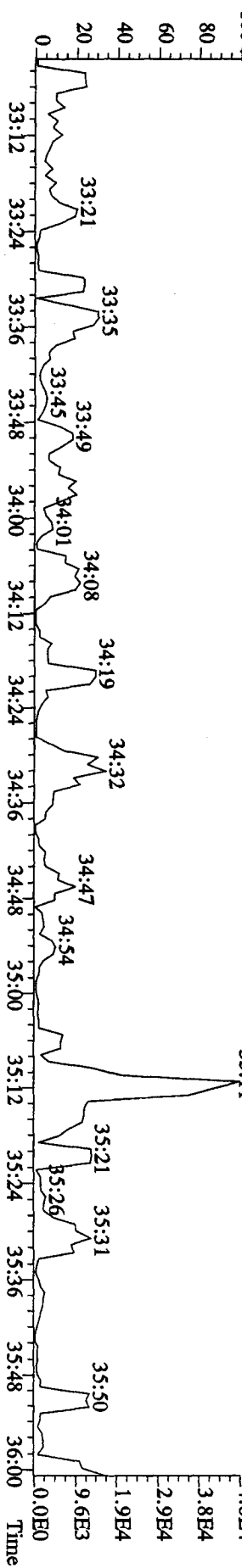
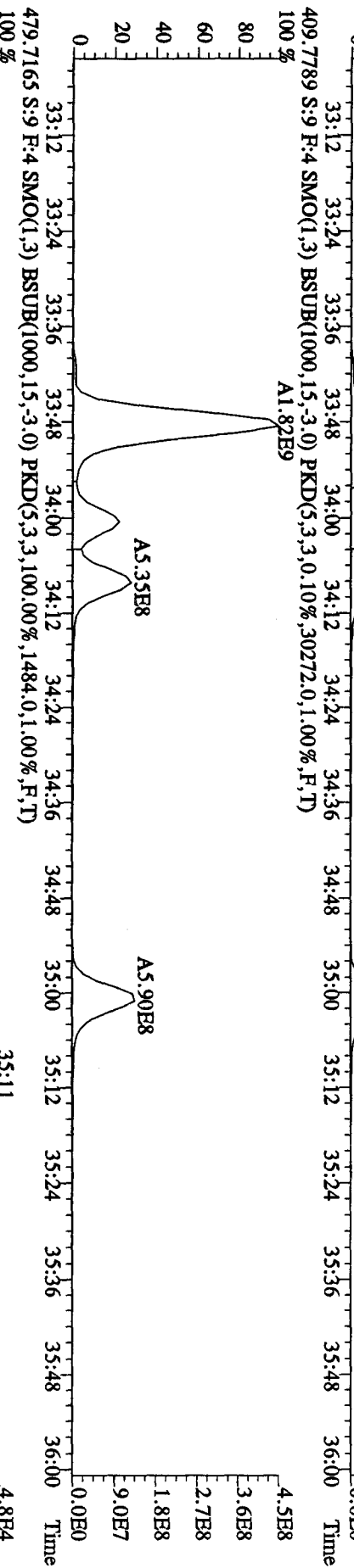
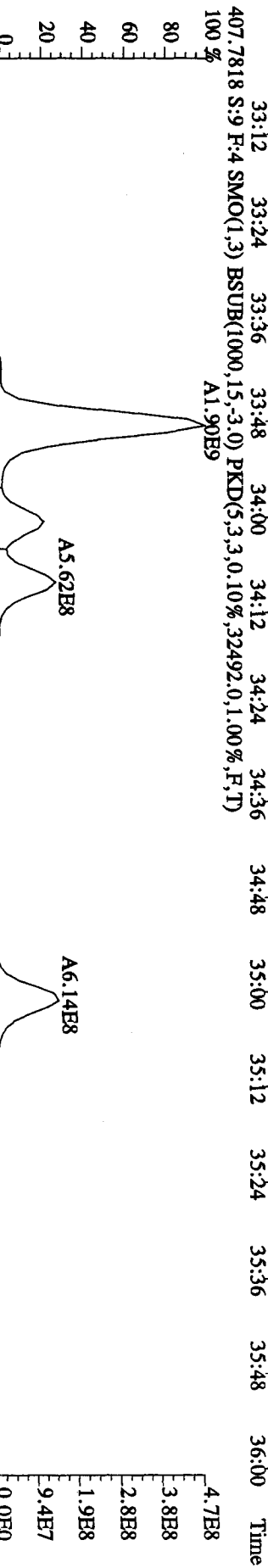
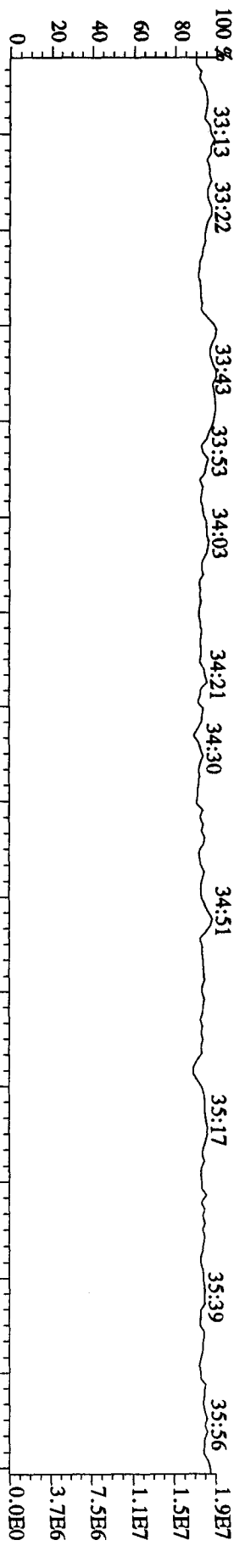
File: 29AP101D5 #1-447 Acq: 29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE

Sample#9 Text: LIXOPR-1-AG :G0D140543-10SD Exp: DIOXINRES

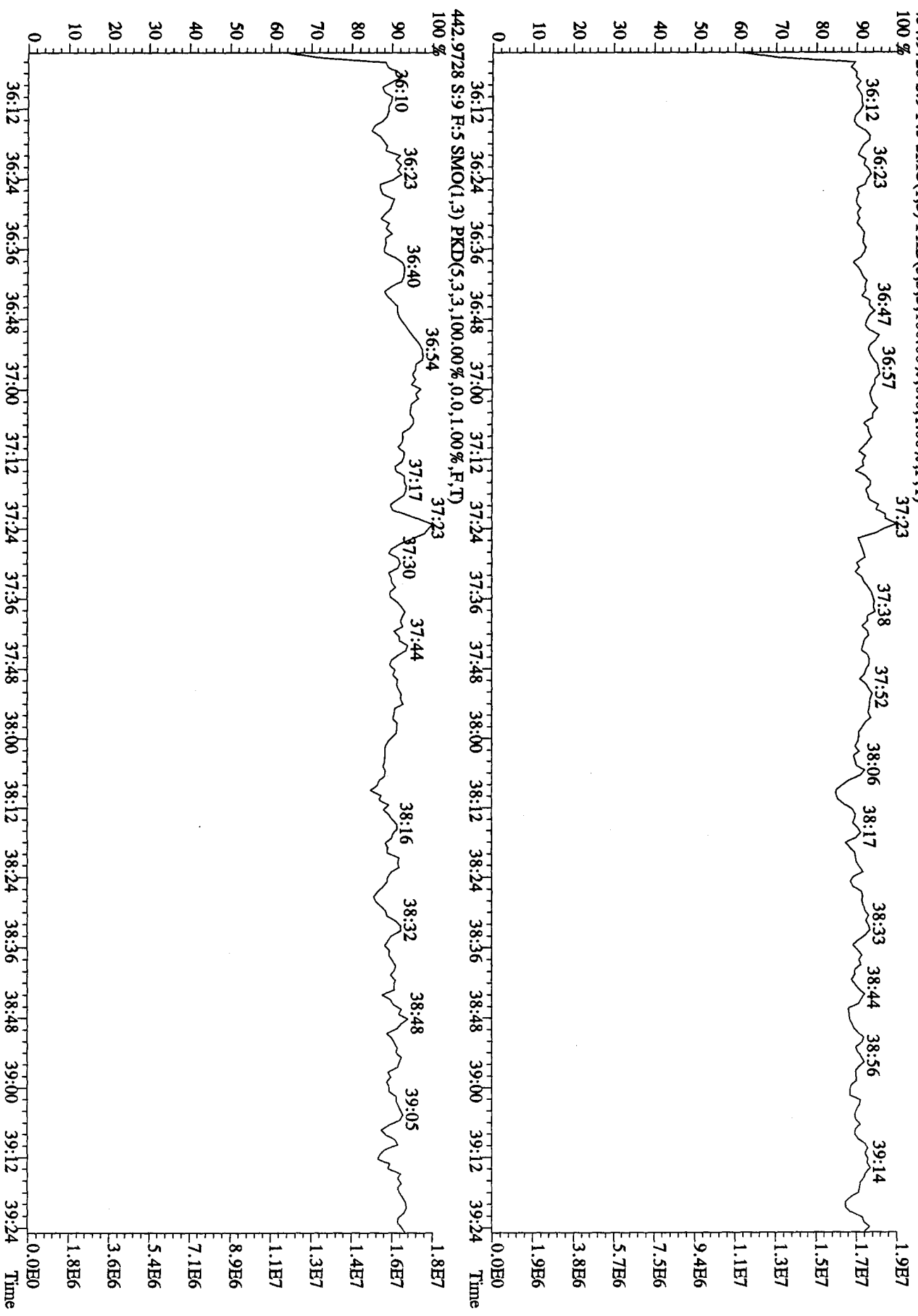


File: 29AP1010D5 #1-210 Acq: 29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE

Sample#9 Text: LIXOPR-1-AG : GOD140543-10SD Exp: DIOXINRES



File:29AP101D5 #1-244 Acq:29-APR-2010 15:27:01 GC EI+ Voltage SIR 70SE
 Sample#9 Text:LXOPR-1-AG :GOD140543-10SD Exp:DIOXINRES
 454.9728 S:9 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Daily Calibration Checklist Dioxin Methods

Method ID 8290

Associated ICAL 8290 123109 1D5

Column ID DB5

Instrument ID 1D5

STD ID ST0426B, ST0426C

STD Solution 10 DKN III

Analyzed by AM

Date Analyzed 4/26/10, 4/27/10

Std. Pkg. By MS

Date Std. Pkg. Assembled 4/27/10

Std. Pkg. Reviewed By SMA

Date Std. Pkg. Reviewed 4/27/10

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: ST0426B File text: ST0426B :CS3 10DXN111
 Run #6 Filename 26AP10A1D5 S: 2 I: 1
 Acquired: 26-APR-10 19:26:59 Processed: 27-APR-10 10:16:28
 Run: 26AP10A1D5 Analyte: 8290 Cal: 82901231091D5 Results: 26AP10A4D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	227830000	0.81 y	17:29	-	100.00	-	n
13C-2,3,7,8-TCDF	345793000	0.79 y	16:58	1.52	100.00	-3.1	n
2,3,7,8-TCDF	31824900	0.77 y	16:59	0.92	10.00	7.0	n
Total TCDF	32307925	0.53 n	16:38	0.92	10.00	7.0	n
13C-2,3,7,8-TCDD	226001000	0.80 y	17:40	0.99	100.00	-0.1	n
2,3,7,8-TCDD	21091100	0.72 y	17:41	0.93	10.00	-0.1	n
Total TCDD	21543744	4.02 n	16:58	0.93	10.00	-0.1	n
37Cl-2,3,7,8-TCDD	48462400	1.00 y	17:41	2.13	10.00	-4.1	n
13C-1,2,3,7,8-PeCDF	242672100	1.62 y	21:54	1.07	100.00	-0.7	n
1,2,3,7,8-PeCDF	121876300	1.55 y	21:55	1.00	50.00	0.4	n
2,3,4,7,8-PeCDF	126711700	1.60 y	23:14	1.04	50.00	11.3	n
Total F2 PeCDF	250318223	1.16 n	20:34	1.02	100.00	5.7	n
Total F1 PeCDF	317299	1.18 n	15:08	1.02	100.00	5.7	n
13C-1,2,3,7,8-PeCDD	165584500	1.63 y	23:55	0.73	100.00	9.1	n
1,2,3,7,8-PeCDD	83212800	1.59 y	23:57	1.01	50.00	8.2	n
Total PeCDD	83753468	1.59 y	23:57	1.01	50.00	8.2	n
13C-1,2,3,7,8,9-HxCDD	152968000	1.33 y	32:02	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	151799600	0.51 y	30:07	0.99	100.00	11.1	n
1,2,3,4,7,8-HxCDF	91672400	1.26 y	30:08	1.21	50.00	0.7	n
1,2,3,6,7,8-HxCDF	106245900	1.26 y	30:22	1.40	50.00	2.1	n
2,3,4,6,7,8-HxCDF	104349500	1.23 y	31:20	1.37	50.00	10.7	n
1,2,3,7,8,9-HxCDF	99559800	1.25 y	32:15	1.31	50.00	-1.1	n
Total HxCDF	402582853	1.26 y	30:08	1.32	200.00	3.0	n
13C-1,2,3,6,7,8-HxCDD	140814400	1.30 y	31:38	0.92	100.00	25.7	n
1,2,3,4,7,8-HxCDD	62648600	1.24 y	31:32	0.89	50.00	-8.3	n
1,2,3,6,7,8-HxCDD	81159000	1.27 y	31:39	1.15	50.00	8.9	n
1,2,3,7,8,9-HxCDD	79132500	1.27 y	32:02	1.12	50.00	-11.9	n
Total HxCDD	223544061	1.24 y	31:32	1.06	150.00	-4.2	n
13C-1,2,3,4,6,7,8-HpCDF	144991500	0.43 y	33:52	0.95	100.00	10.2	n
1,2,3,4,6,7,8-HpCDF	95902100	1.03 y	33:53	1.32	50.00	2.8	n
1,2,3,4,7,8,9-HpCDF	77733400	1.03 y	35:05	1.07	50.00	-5.6	n
Total HpCDF	173635500	1.03 y	33:53	1.20	100.00	-1.1	n
13C-1,2,3,4,6,7,8-HpCDD	124535100	1.08 y	34:45	0.81	100.00	8.2	n
1,2,3,4,6,7,8-HpCDD	66010200	1.06 y	34:45	1.06	50.00	6.2	n
Total HpCDD	66160827	1.79 n	34:08	1.06	50.00	6.2	n
13C-OCDD	141864600	0.91 y	37:21	0.46	200.00	-17.8	n
OCDF	109305400	0.90 y	37:28	1.54	100.00	7.2	n
OCDD	85587500	0.89 y	37:22	1.21	100.00	8.7	n

Run text: ST0426C File text: ST0426C :CS3 10DXN111
 Run #15 Filename 26AP10A1D5 S: 14 I: 1
 Acquired: 27-APR-10 04:07:07 Processed: 27-APR-10 10:18:23
 Run: 26AP10A1D5 Analyte: 8290 Cal: 82901231091D5 Results: 26AP10A4D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	214081112	0.80 y	17:27	-	100.00	-	n
13C-2,3,7,8-TCDF	326632032	0.79 y	16:57	1.53	100.00	-2.6	n
2,3,7,8-TCDF	30097241	0.78 y	16:58	0.92	10.00	7.2	n
Total TCDF	30505573	0.93 n	16:37	0.92	10.00	7.2	n
13C-2,3,7,8-TCDD	205656496	0.81 y	17:39	0.96	100.00	-3.3	n
2,3,7,8-TCDD	18923872	0.76 y	17:41	0.92	10.00	-1.5	n
Total TCDD	19059868	2.02 n	14:18	0.92	10.00	-1.5	n
37Cl-2,3,7,8-TCDD	45304796	1.00 y	17:41	2.12	10.00	-4.6	n
13C-1,2,3,7,8-PeCDF	233248432	1.65 y	21:53	1.09	100.00	1.6	n
1,2,3,7,8-PeCDF	115968128	1.51 y	21:55	0.99	50.00	-0.6	n
2,3,4,7,8-PeCDF	118837340	1.54 y	23:13	1.02	50.00	8.6	n
Total F2 PeCDF	236089884	1.19 n	20:37	1.01	100.00	3.9	n
Total F1 PeCDF	156309	0.43 n	15:06	1.01	100.00	3.9	n
13C-1,2,3,7,8-PeCDD	148773176	1.71 y	23:55	0.69	100.00	4.3	n
1,2,3,7,8-PeCDD	75130534	1.62 y	23:56	1.01	50.00	8.7	n
Total PeCDD	75339179	2.30 n	23:38	1.01	50.00	8.7	n
13C-1,2,3,7,8,9-HxCDD	145034444	1.33 y	32:01	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	134256376	0.52 y	30:07	0.93	100.00	3.7	n
1,2,3,4,7,8-HxCDF	82206868	1.23 y	30:09	1.22	50.00	2.1	n
1,2,3,6,7,8-HxCDF	103175912	1.27 y	30:22	1.54	50.00	12.1	n
2,3,4,6,7,8-HxCDF	98309044	1.26 y	31:19	1.46	50.00	17.9	n
1,2,3,7,8,9-HxCDF	92968136	1.25 y	32:16	1.38	50.00	4.4	n
Total HxCDF	376659960	1.23 y	30:09	1.40	200.00	9.2	n
13C-1,2,3,6,7,8-HxCDD	126415484	1.34 y	31:39	0.87	100.00	19.1	n
1,2,3,4,7,8-HxCDD	60601616	1.26 y	31:33	0.96	50.00	-1.2	n
1,2,3,6,7,8-HxCDD	77811748	1.29 y	31:40	1.23	50.00	16.3	n
1,2,3,7,8,9-HxCDD	78863040	1.29 y	32:02	1.25	50.00	-2.2	n
Total HxCDD	217375995	1.26 y	31:33	1.15	150.00	4.1	n
13C-1,2,3,4,6,7,8-HpCDF	143504156	0.43 y	33:52	0.99	100.00	15.0	n
1,2,3,4,6,7,8-HpCDF	95239184	1.04 y	33:53	1.33	50.00	3.2	n
1,2,3,4,7,8,9-HpCDF	75521444	1.02 y	35:06	1.05	50.00	-7.3	n
Total HpCDF	170985355	1.04 y	33:53	1.19	100.00	-1.7	n
13C-1,2,3,4,6,7,8-HpCDD	118886924	1.07 y	34:45	0.82	100.00	9.0	n
1,2,3,4,6,7,8-HpCDD	62949794	1.07 y	34:46	1.06	50.00	6.1	n
Total HpCDD	63165311	0.91 y	34:09	1.06	50.00	6.1	n
13C-OCDD	142755384	0.90 y	37:22	0.49	200.00	-12.8	n
OCDF	110844116	0.89 y	37:29	1.55	100.00	8.0	n
OCDD	85909308	0.89 y	37:23	1.20	100.00	8.5	n

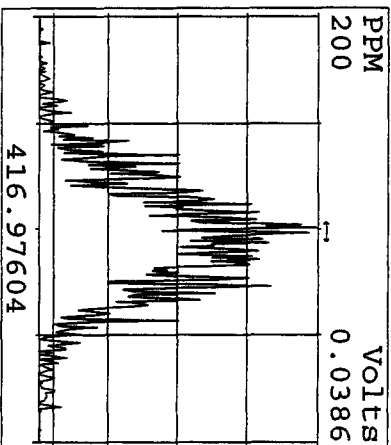
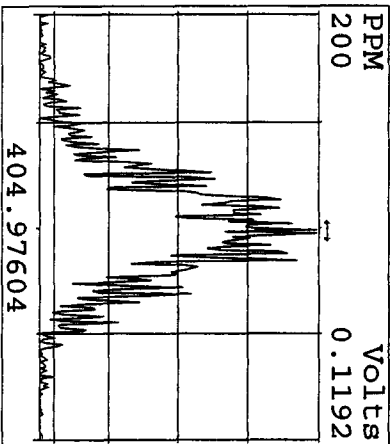
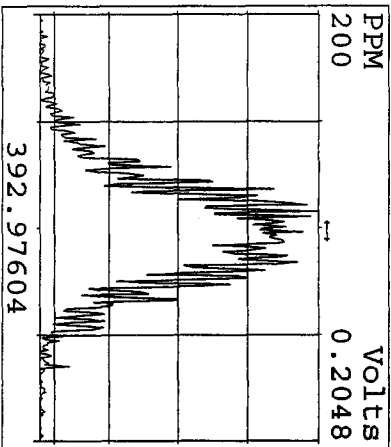
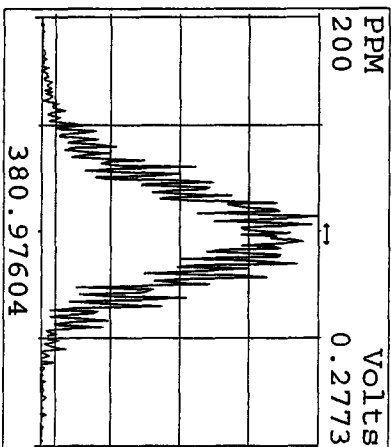
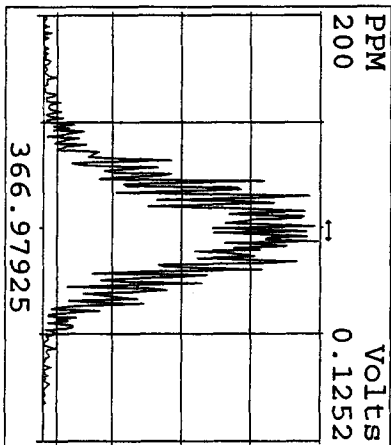
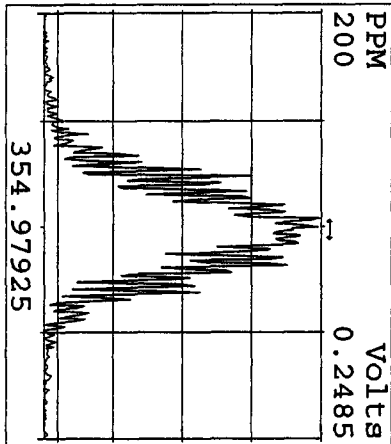
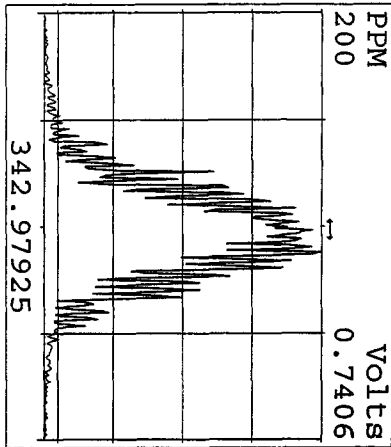
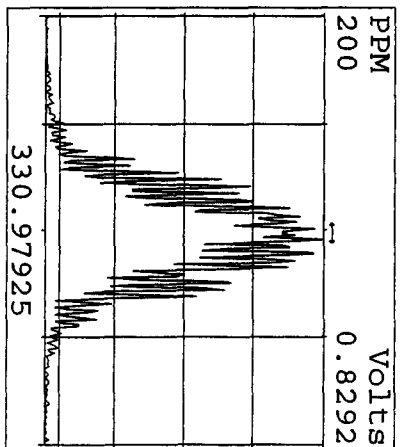
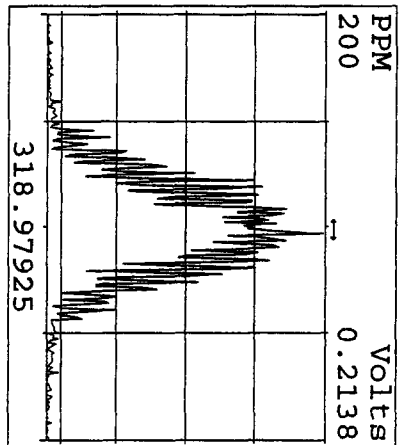
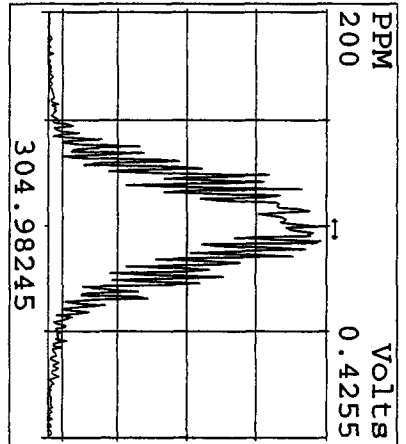
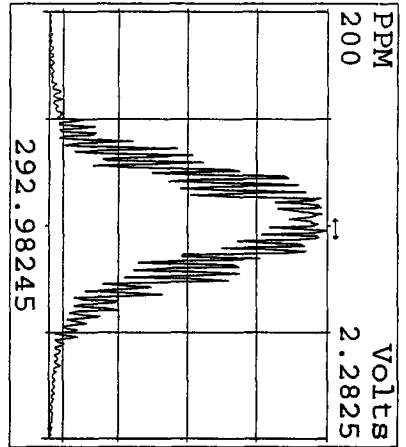
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26AP10A1D5	2	ST0426B	CS3 10DXN111				1.00000	
26AP10A1D5	3	CP0426A	DB-5 CPSM 3732-05				1.00000	
26AP10A1D5	4	SB0426C	Solvent Blank C-14				1.00000	
26AP10A1D5	5	LX85A-1-AA	G0D200000-455B	10	8290/SOLID	77	10.00000	g
26AP10A1D5	6	LX85A-1-AC	G0D200000-455C	10	8290/SOLID		10.00000	g
26AP10A1D5	7	LX6LV-1-AC	G0D080425-50	10	8290/SOLID		10.17000	g
26AP10A1D5	8	L0CN2-1-AC	G0D220000-236C	10	8290/SOLID	79	10.00000	g
26AP10A1D5	9	L0CN2-1-AA	G0D220000-236B	10	8290/SOLID		10.00000	g
26AP10A1D5	10	LXR9N-2-AD	G0D100462-10RX	10	8290/SOLID		10.51000	g
26AP10A1D5	11	LX2NN-1-AC	G0D150000-361C (461-26)	10	8290/SOLID	73	10.00000	g
26AP10A1D5	12	LX2NN-1-AA	G0D150000-361B (461-26)	10	8290/SOLID		10.00000	g
26AP10A1D5	13	SB0426D	Solvent Blank C-14				1.00000	
26AP10A1D5	14	ST0426C	CS3 10DXN111				1.00000	
26AP10A1D5	15						1.00000	
26AP10A1D5	16						1.00000	
26AP10A1D5	17						1.00000	
26AP10A1D5	18						1.00000	
26AP10A1D5	19						1.00000	
26AP10A1D5	20						1.00000	
26AP10A1D5	21		AM 04-26-10				1.00000	
26AP10A1D5	22						1.00000	

logfile checked

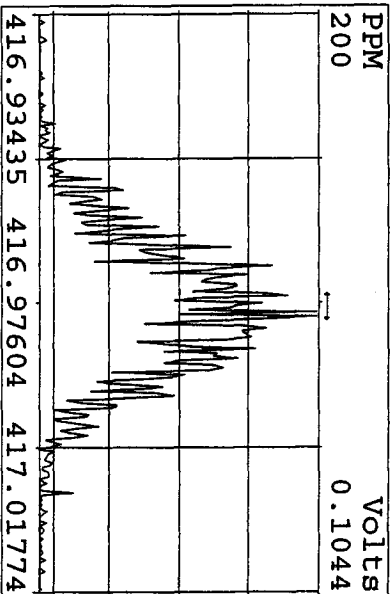
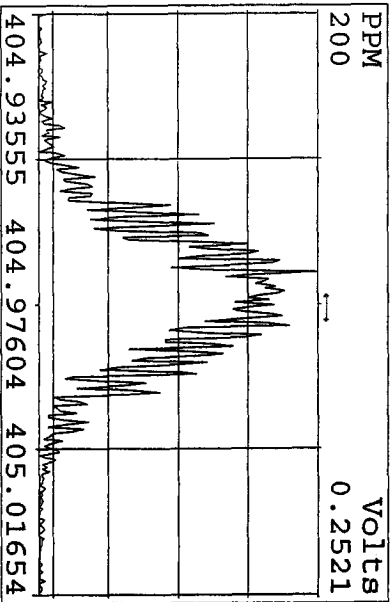
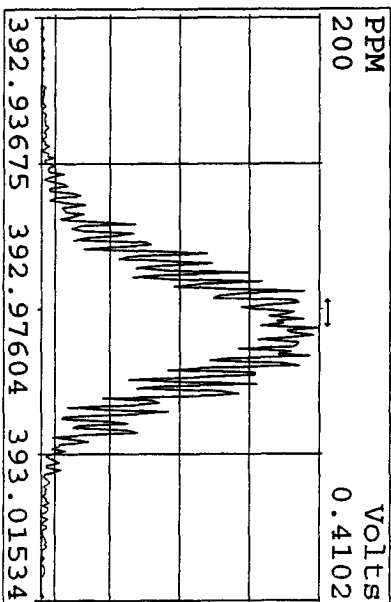
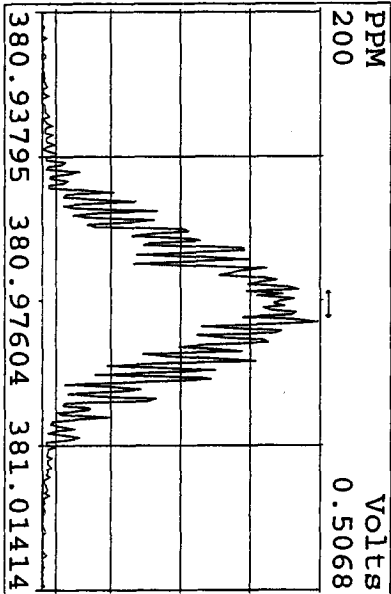
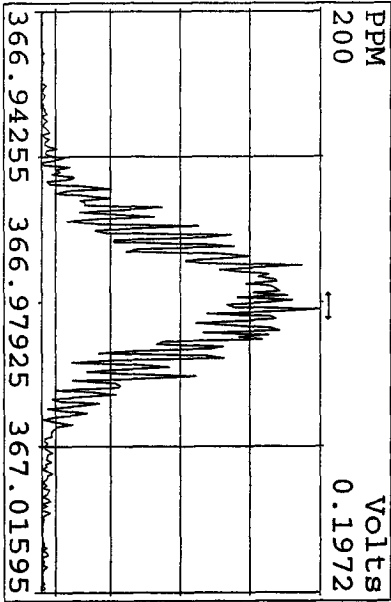
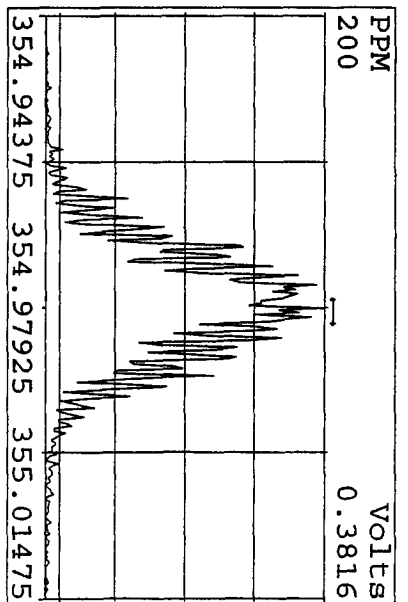
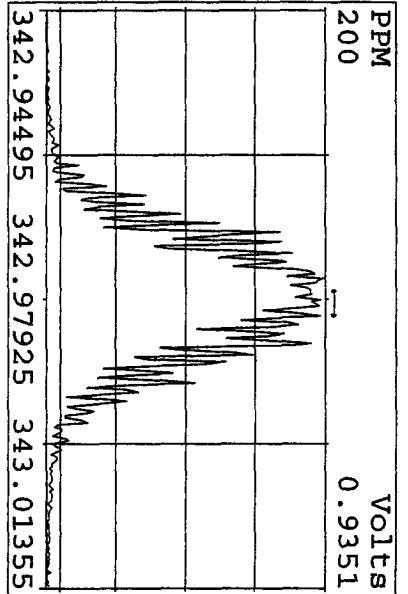
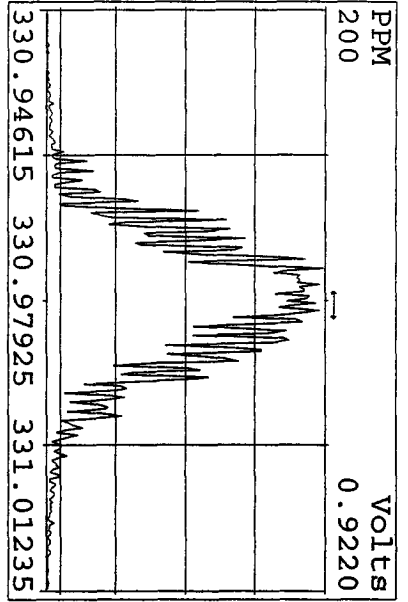
04-27-10

SMA

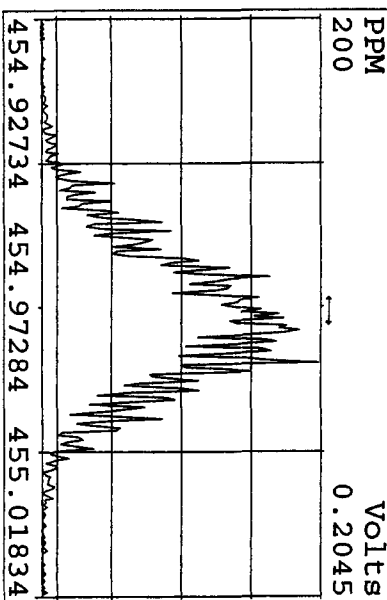
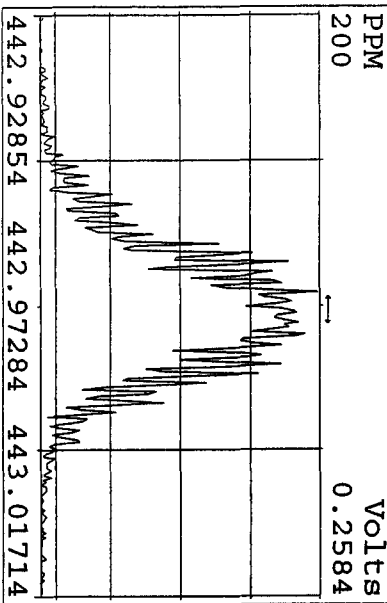
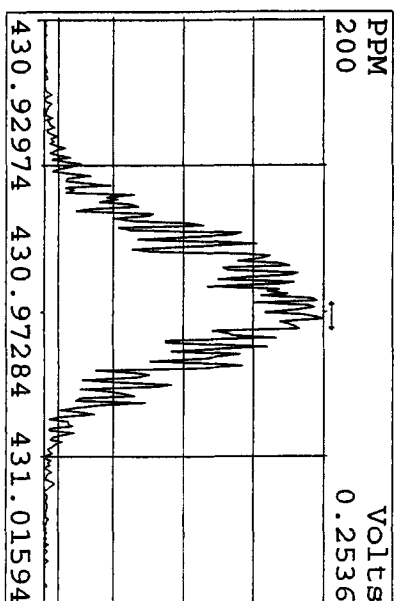
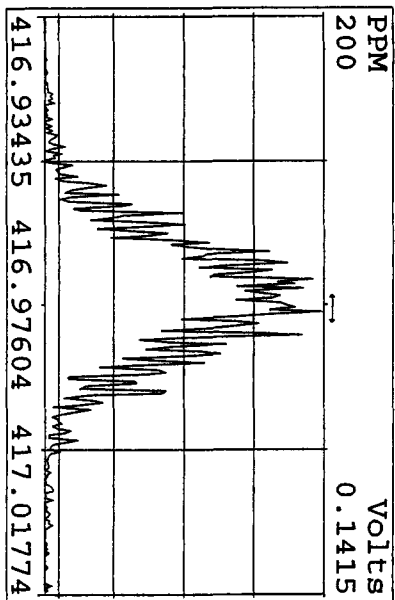
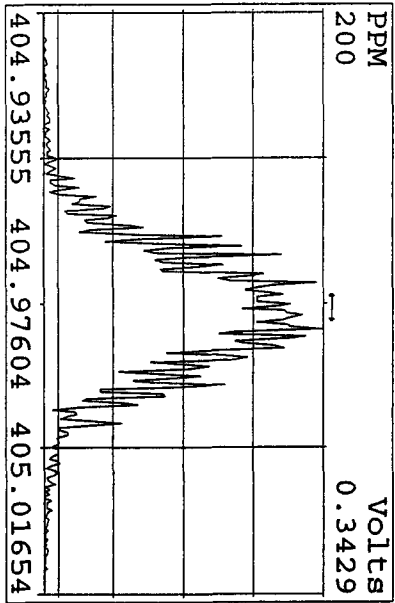
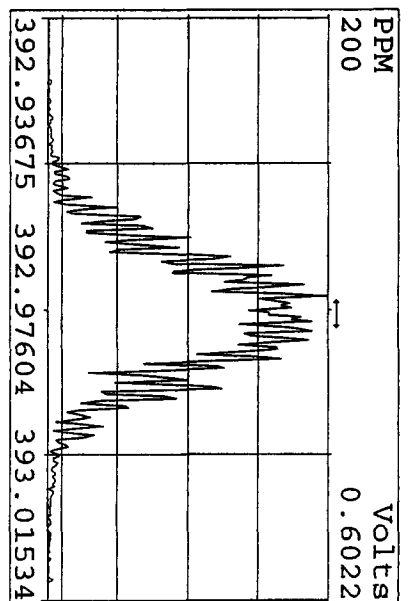
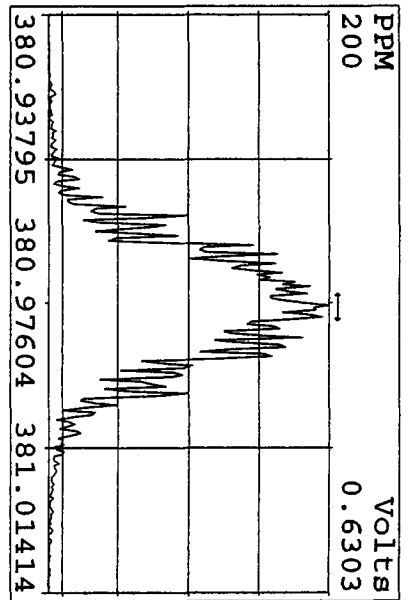
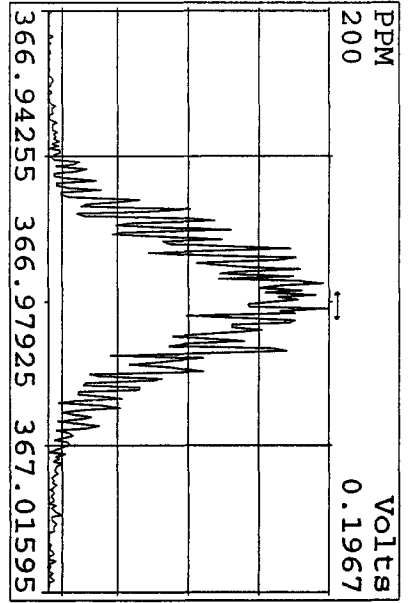
Peak Locate Examination: 26-APR-2010: 18:35 File: 26AP10A1D5
Experiment: DIOXIN Function: 1 Reference: PFK



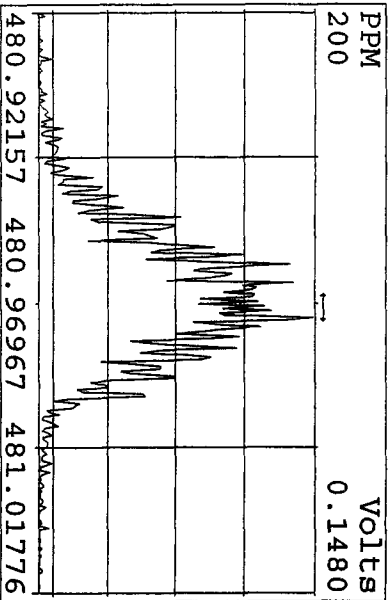
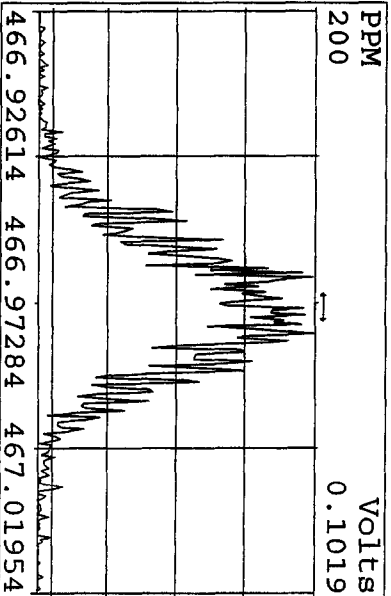
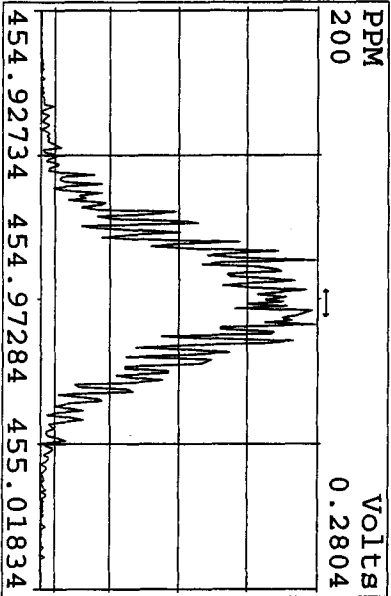
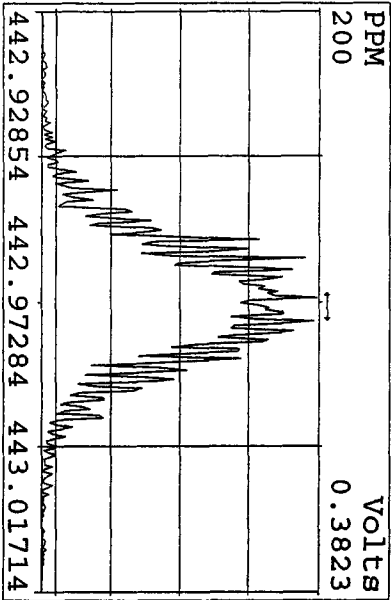
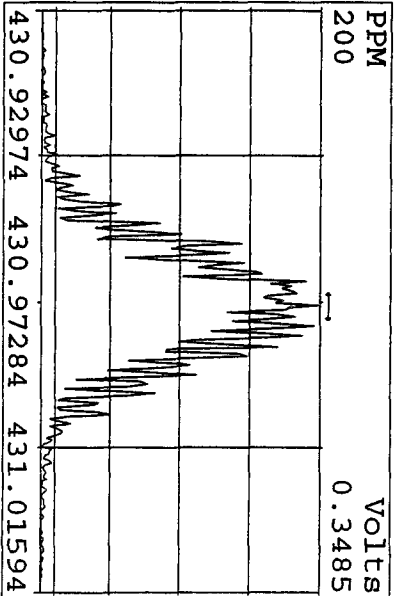
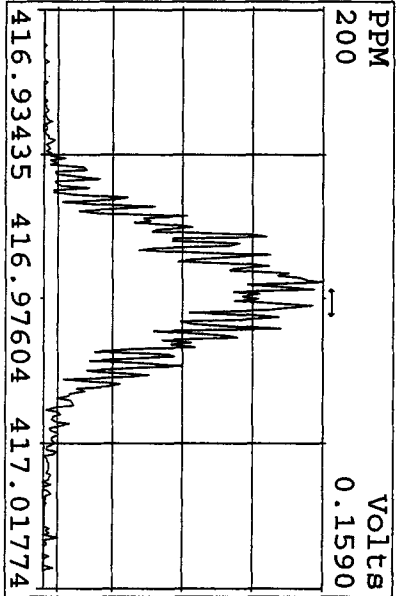
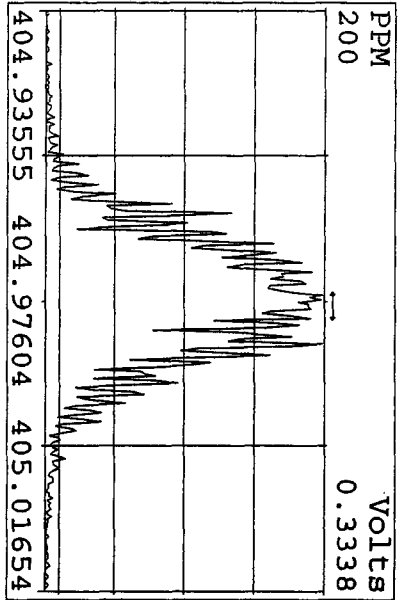
Peak Locate Examination: 26-APR-2010: 18:36 File: 26API10A1D5
 Experiment: DIOXIN Function: 2 Reference: PFK



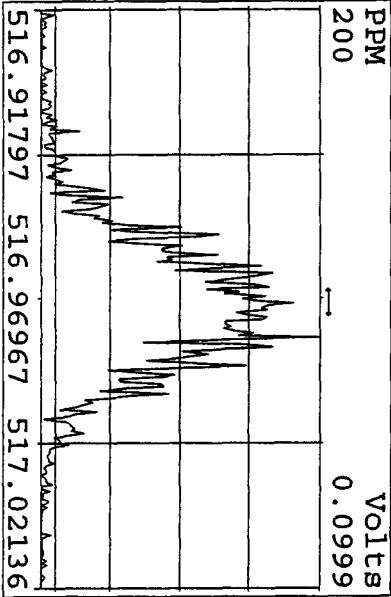
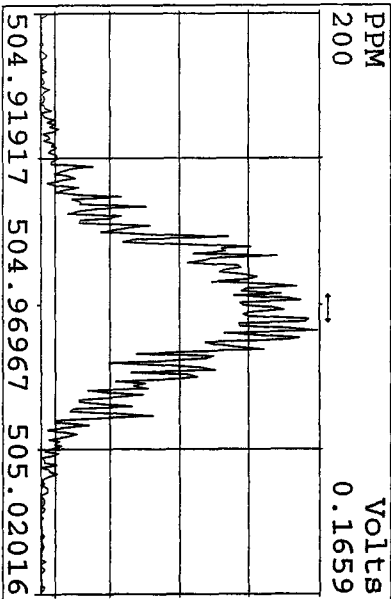
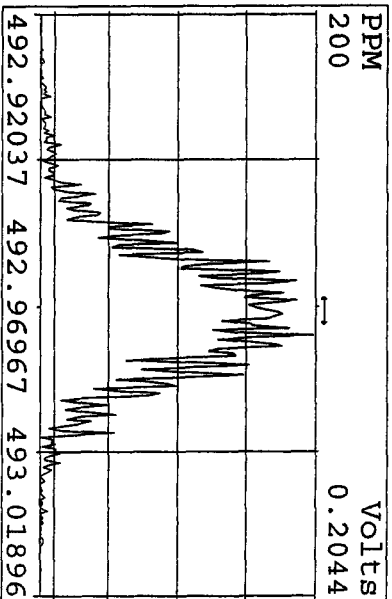
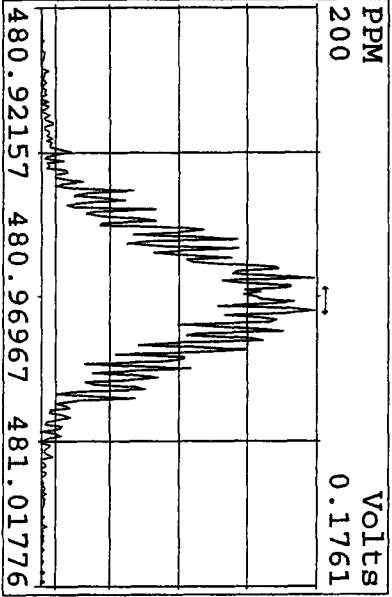
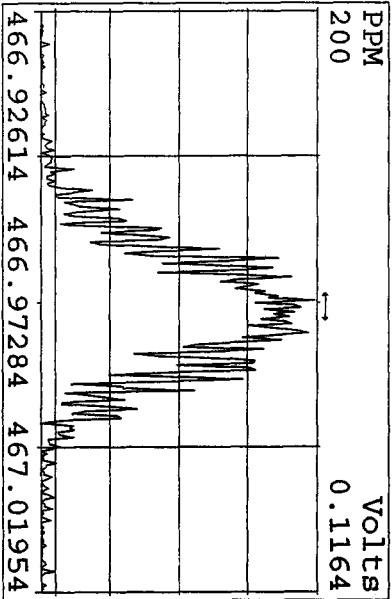
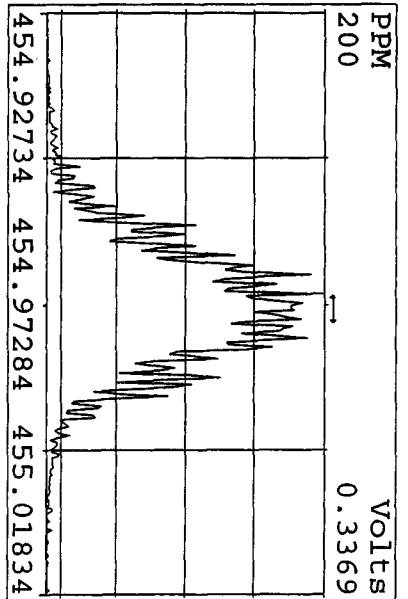
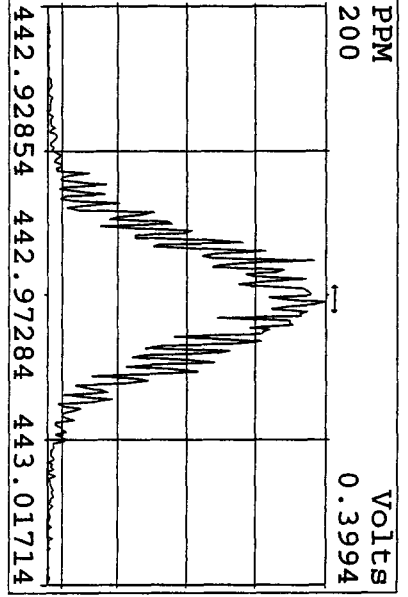
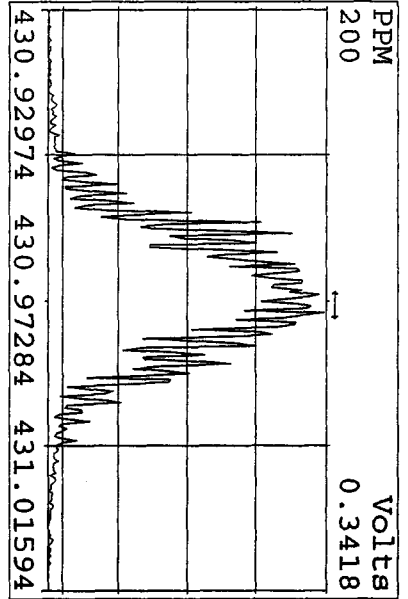
Peak Locate Examination: 26-APR-2010: 18:38 File: 26AP10A1D5
 Experiment: DIOXIN Function: 3 Reference: PFK



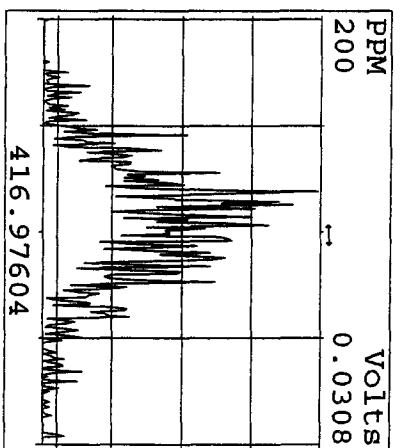
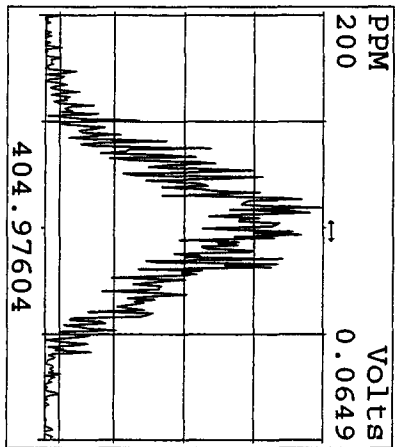
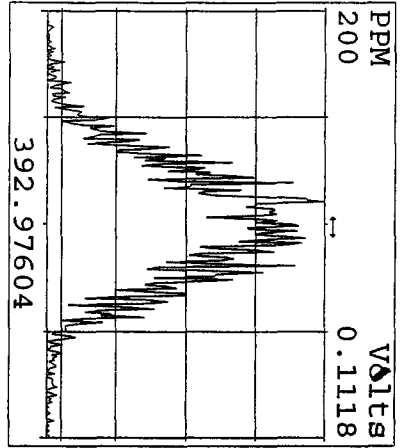
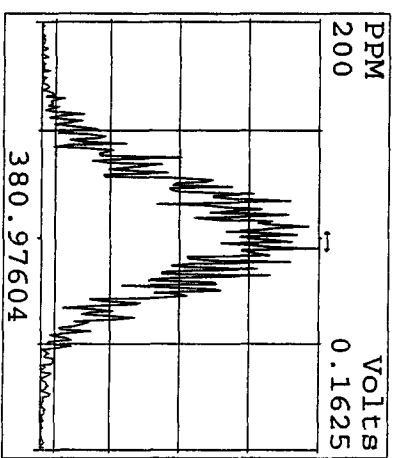
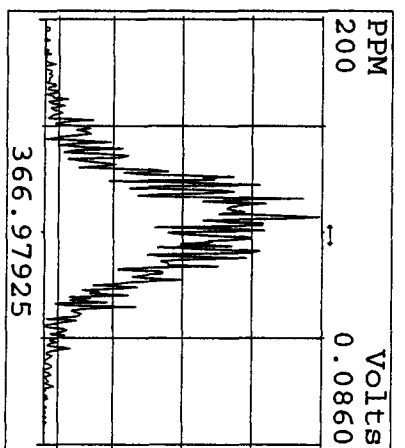
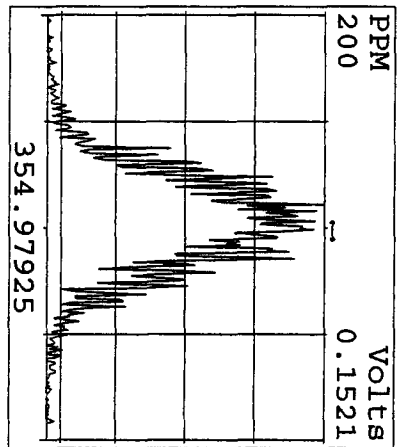
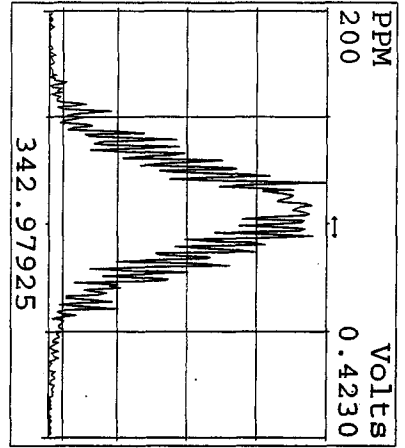
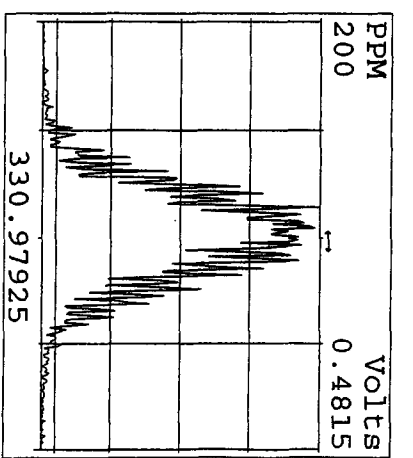
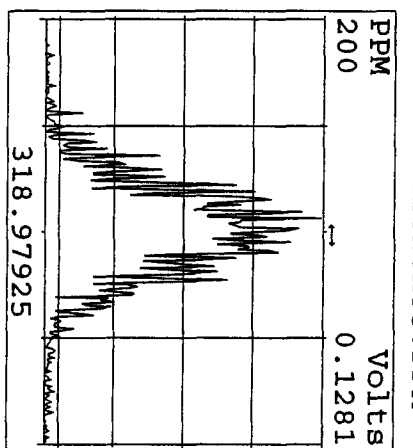
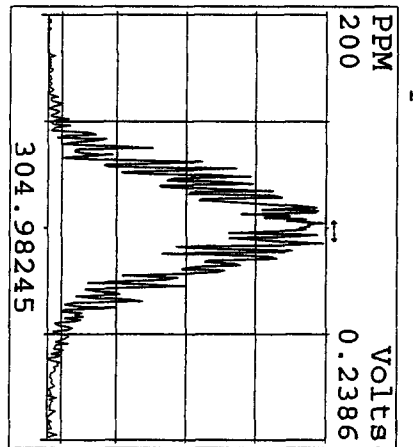
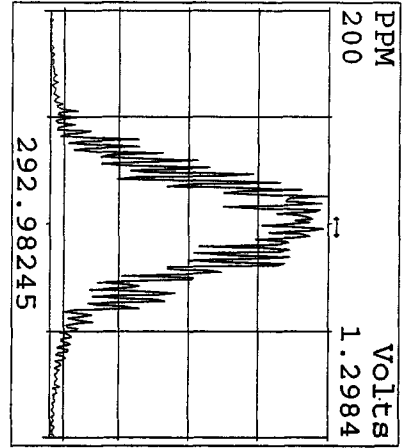
Peak Locate Examination: 26-APR-2010: 18:41 File: 26API0A1D5
 Experiment: DIOXIN Function: 4 Reference: PFK



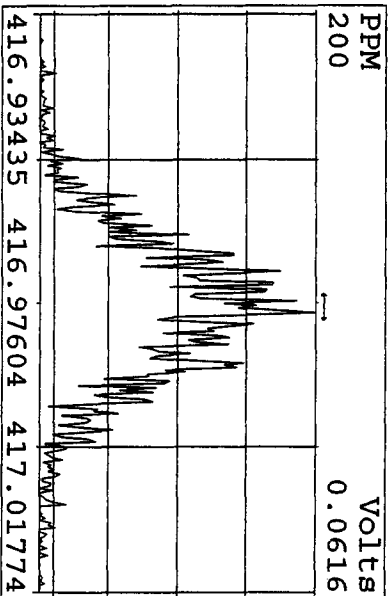
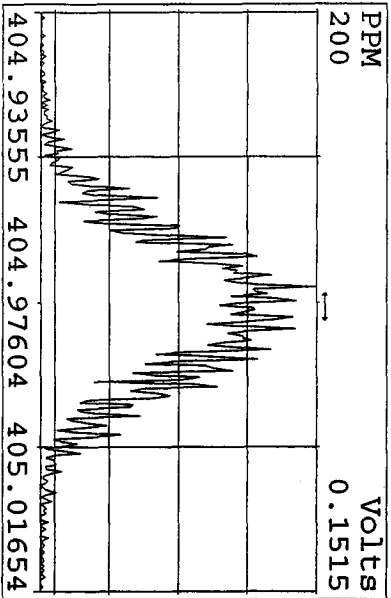
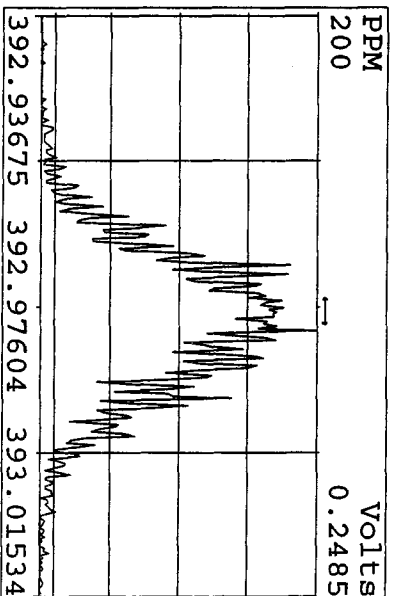
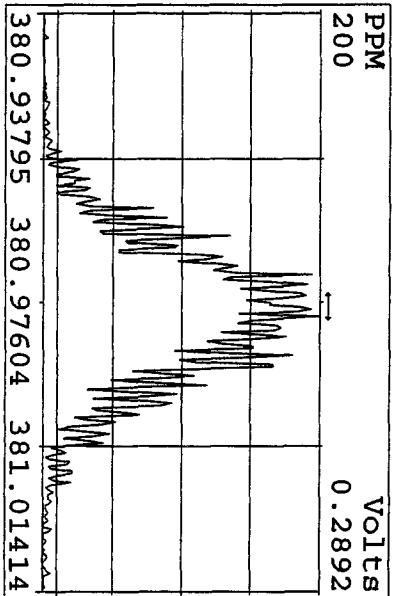
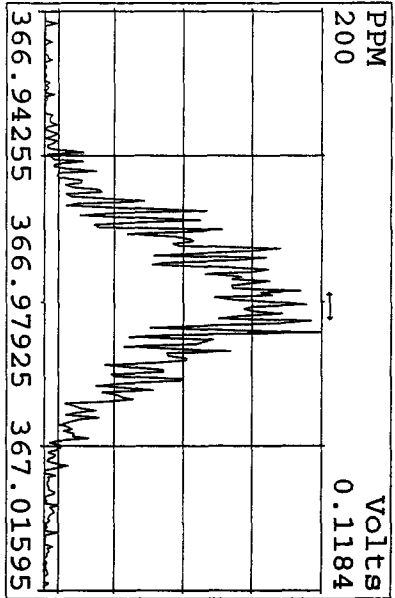
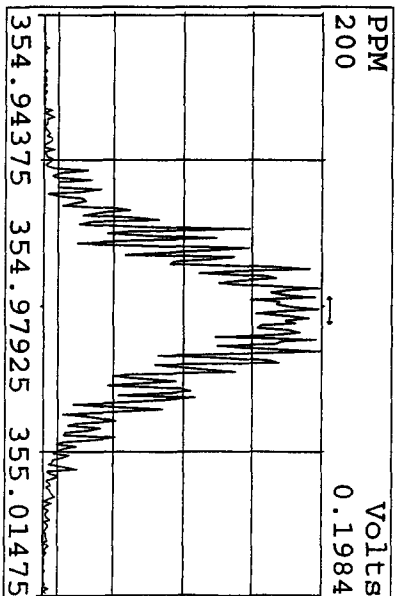
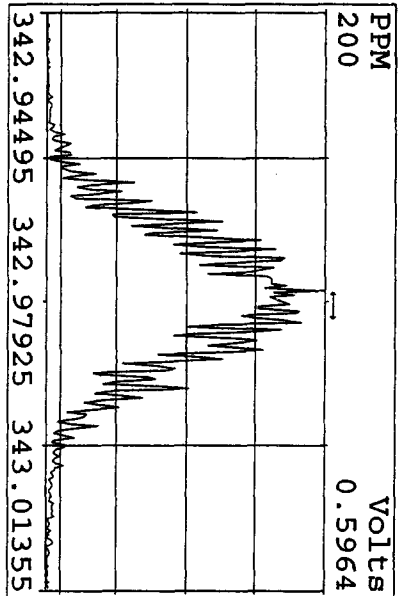
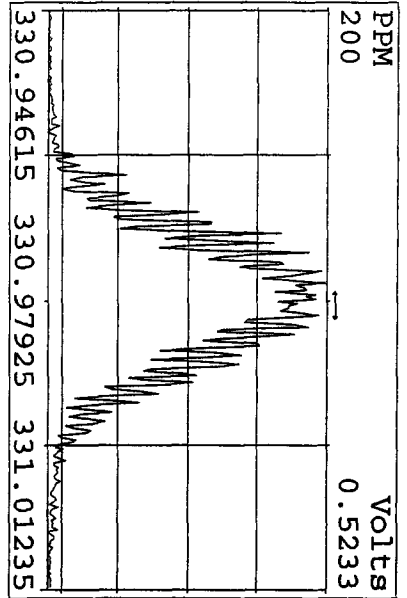
Peak Locate Examination: 26-APR-2010: 18:43 File: 26AP10A1D5
 Experiment: DIOXIN Function: 5 Reference: PRK



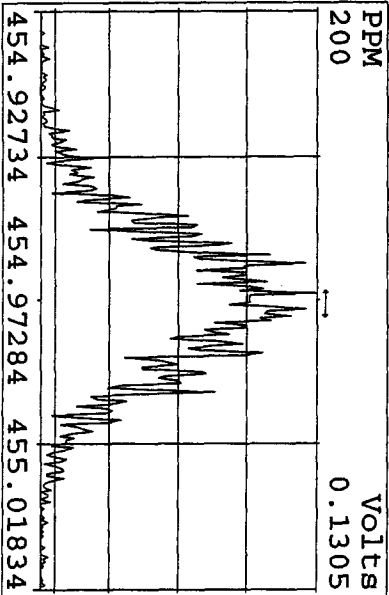
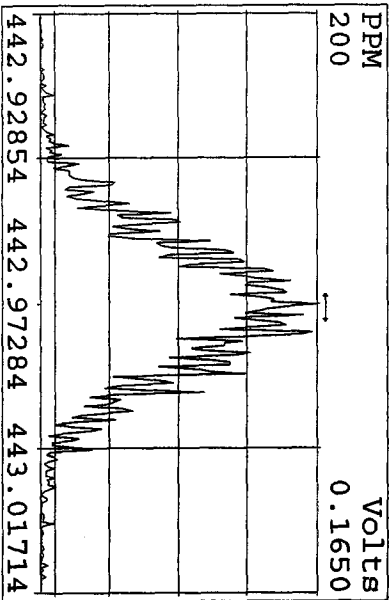
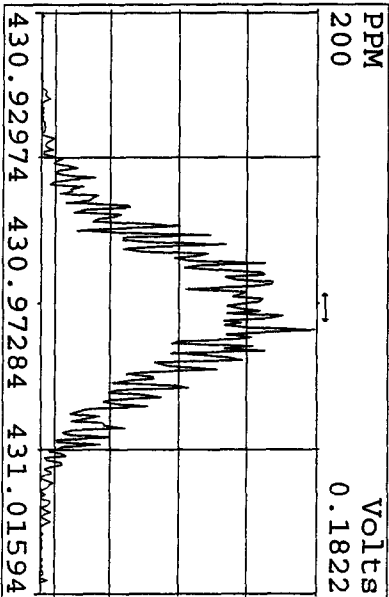
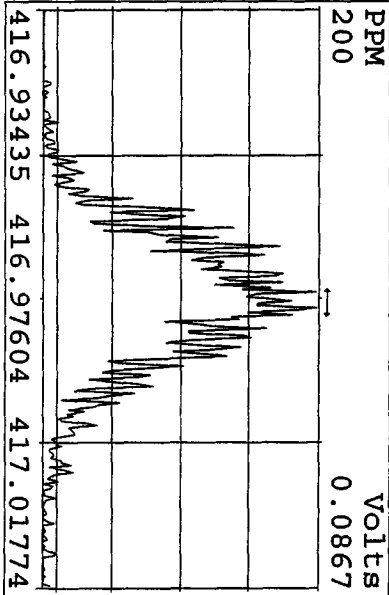
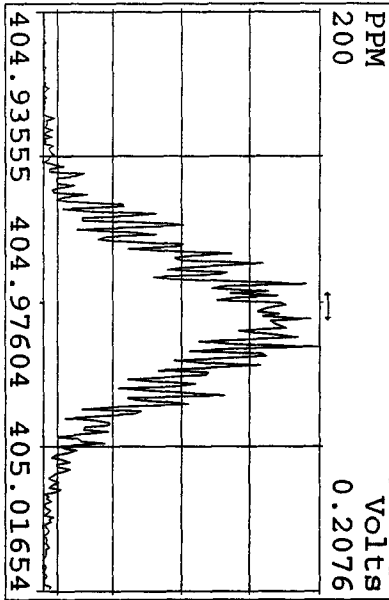
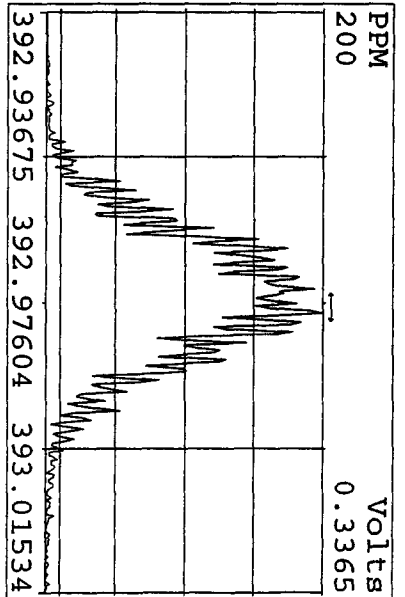
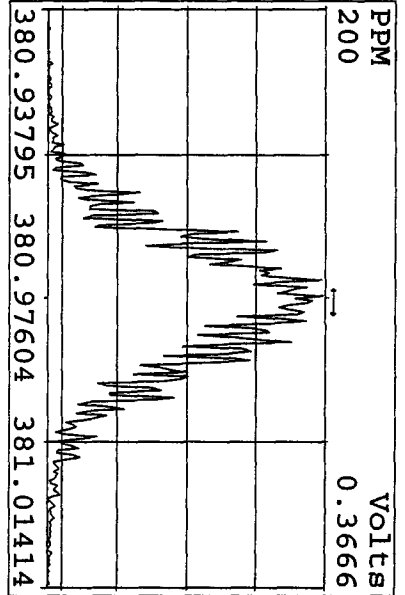
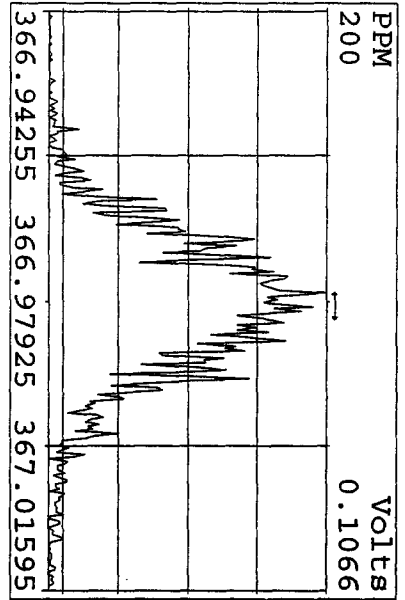
Peak Locate Examination:27-APR-2010:06:06 File:RESCHECK1.DS
Experiment:DIOXIN Function:1 Reference:PFK



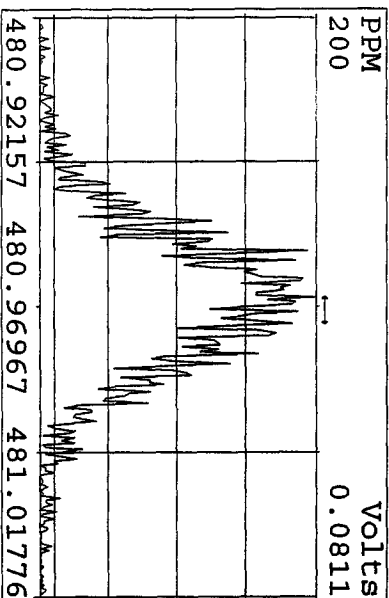
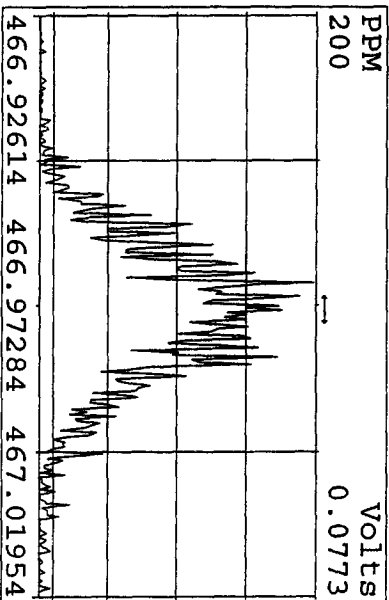
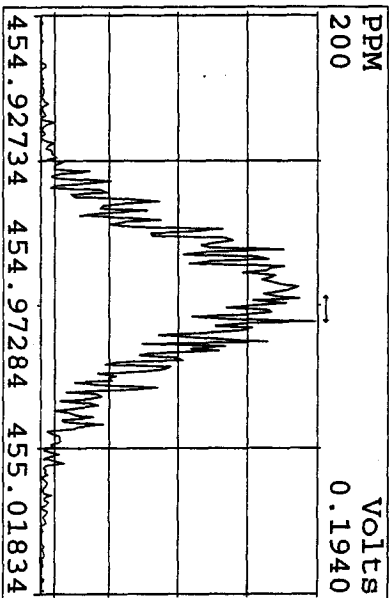
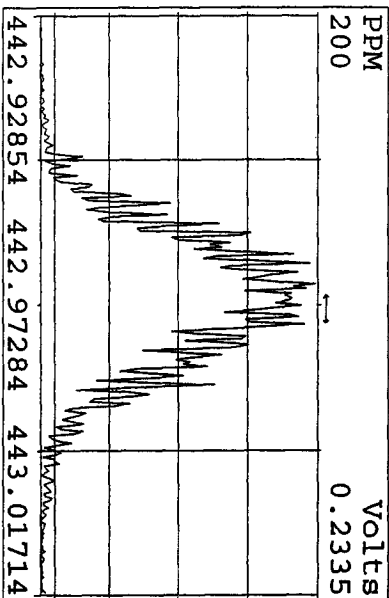
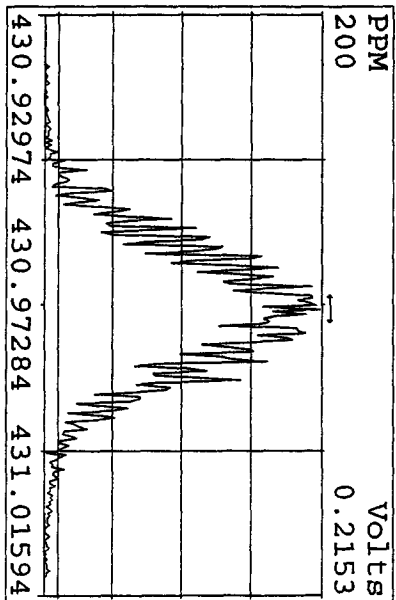
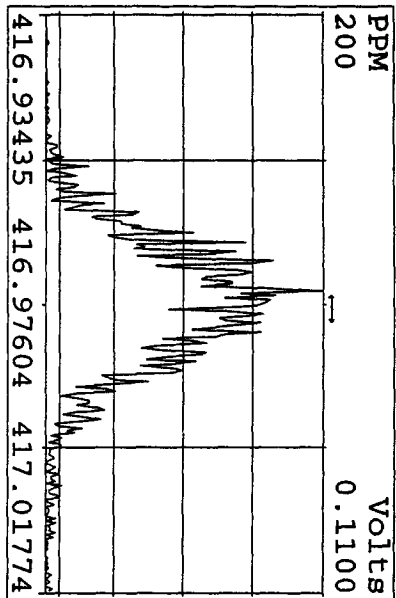
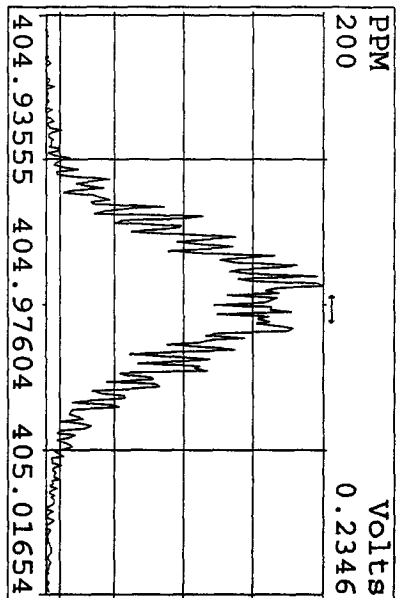
Peak Locate Examination: 27-APR-2010: 06:07 File: RESCHECK1.D5
 Experiment: DIOXIN Function: 2 Reference: PFK



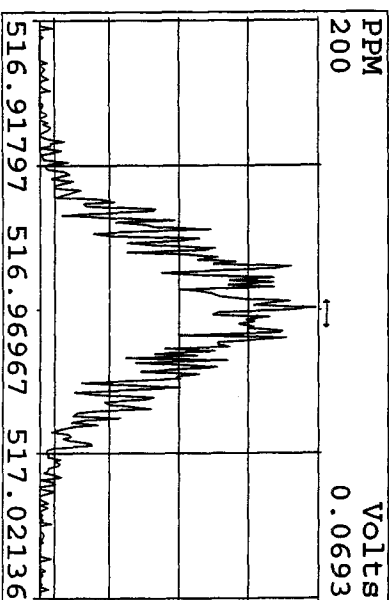
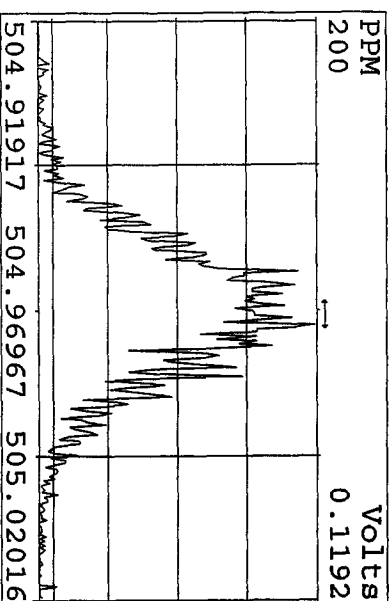
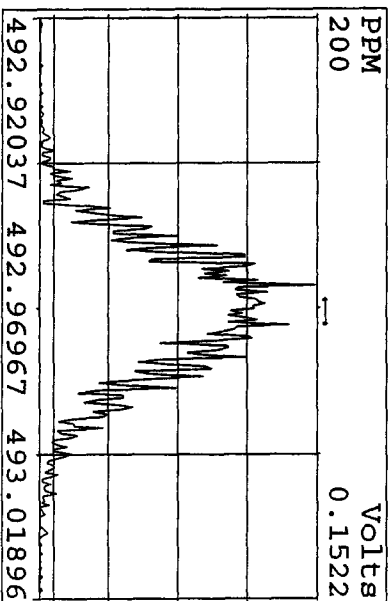
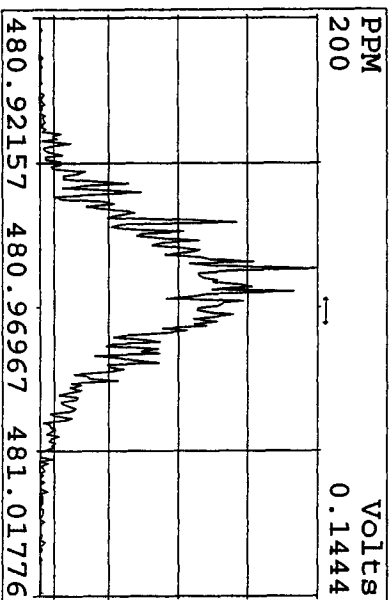
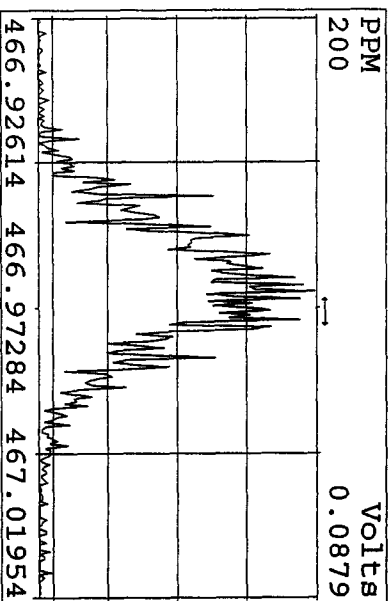
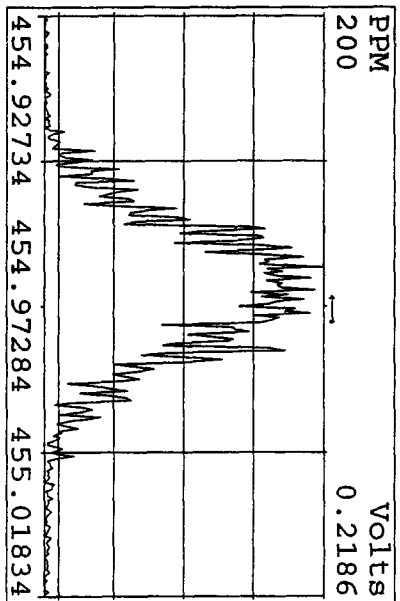
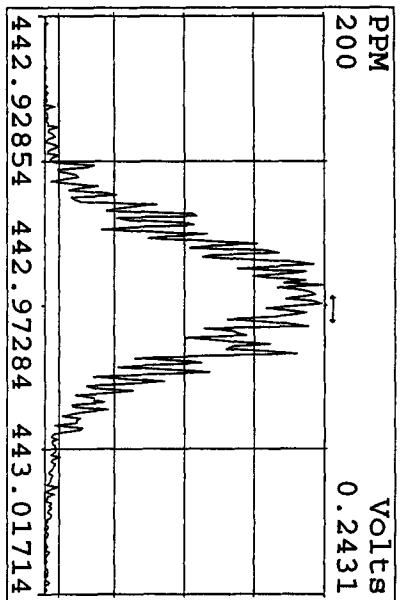
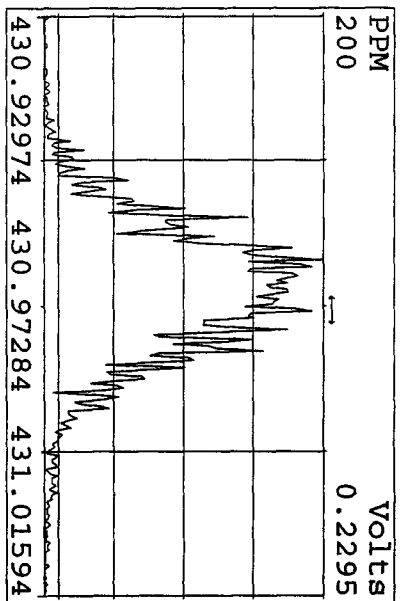
Peak Locate Examination: 27-APR-2010: 06:08 File: RESCHECK1D5
 Experiment: DIOXIN Function: 3 Reference: PFK



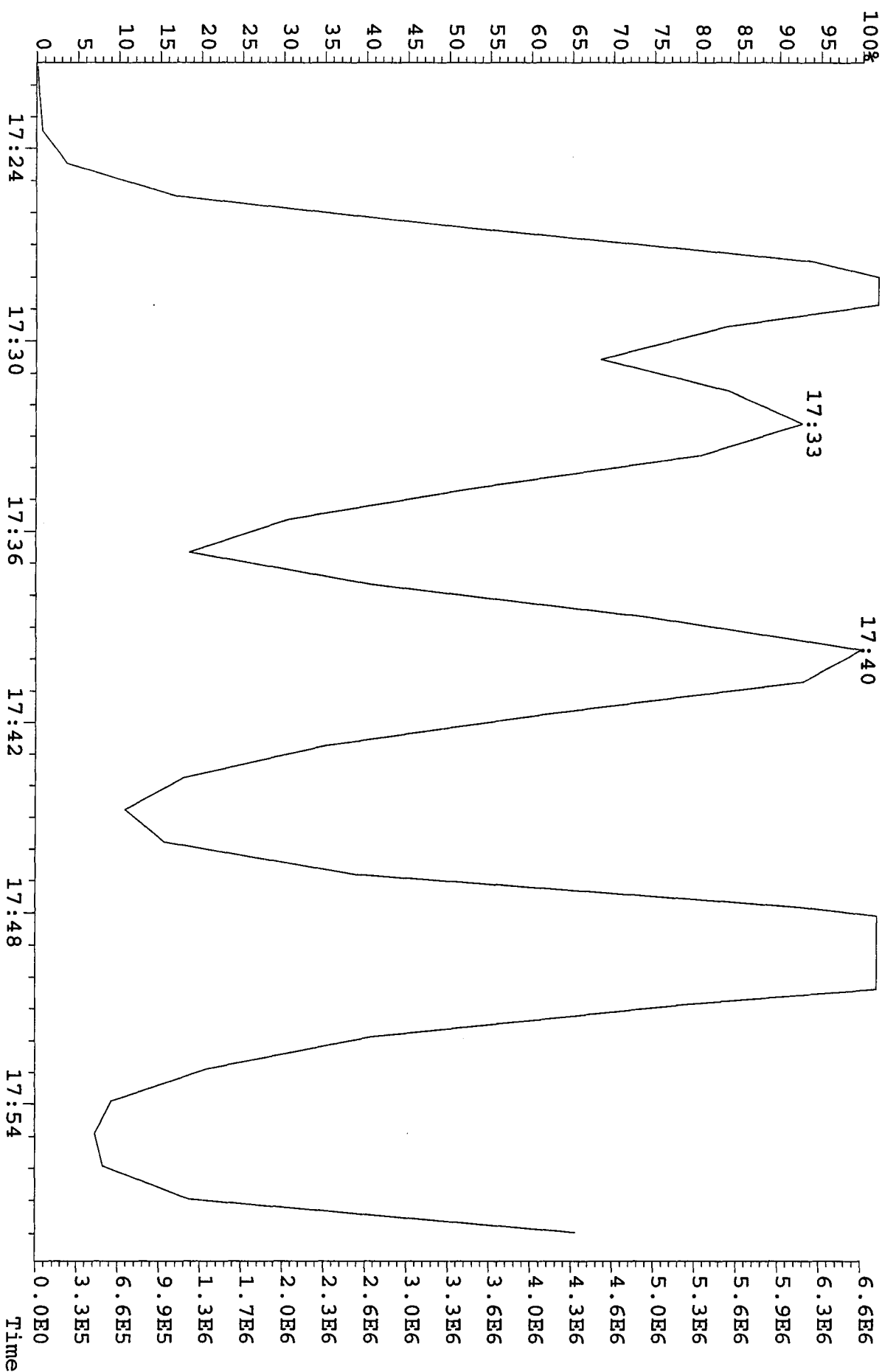
Peak Locate Examination: 27-APR-2010: 06:09 File: RESCHECK1D5
 Experiment: DIOXIN Function: 4 Reference: PFK



Peak Locate Examination: 27-APR-2010:06:10 File: RESCHECK1D5
 Experiment: DIOXIN Function: 5 Reference: PFK



File: 26API0AIDS #1-385 Acq: 26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
Sample#3 Text: CP0426A :DB-5 CPSM 3732-05 Exp: DIOXIN
321.8936 S:3



Run: 26API0A1D5 Analyte: 8290 Cal: 82901231091D5

ST1231B : CS-1 09DXN422 ST1231C : CS-2 09DXN423 ST1231D : CS-3 09DXN425
 ST1231E : CS-4 09DXN426 ST1231F : CS-5 09DXN456

31DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	1.01	0.97	1.12
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.32	1.36	1.36
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.44	1.57	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.98	1.15	1.11

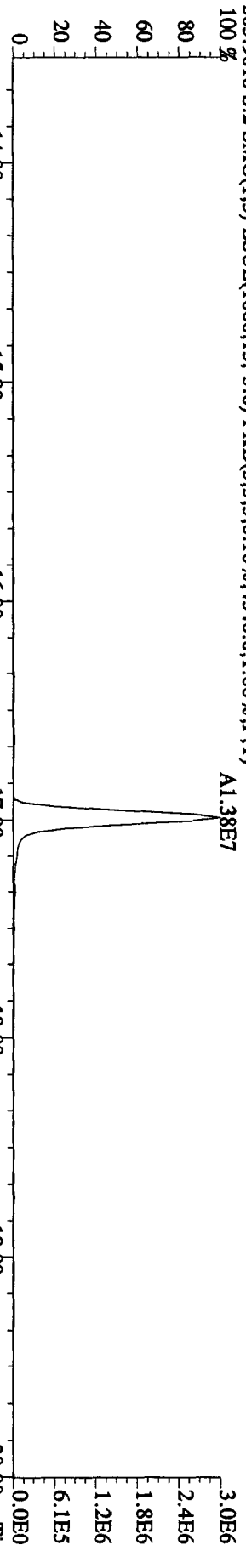
1,2,3,6,7,8-HxCDD	1.058	0.118	11.2 %	0.88	1.01	1.09	1.16	1.15
1,2,3,7,8,9-HxCDD	1.275	0.243	19.0 %	0.92	1.19	1.33	1.57	1.37
Total HxCDD	1.101	0.175	15.9 %	0.84	1.02	1.14	1.30	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.860	0.055	6.38 %	0.92	0.85	0.88	0.78	0.88
1,2,3,4,6,7,8-HpCDF	1.287	0.138	10.8 %	1.10	1.18	1.34	1.41	1.40
1,2,3,4,7,8,9-HpCDF	1.135	0.151	13.3 %	0.95	1.00	1.19	1.27	1.27
Total HpCDF	1.211	0.145	11.9 %	1.02	1.09	1.27	1.34	1.33
13C-1,2,3,4,6,7,8-HpCDD	0.752	0.046	6.08 %	0.80	0.74	0.75	0.68	0.79
1,2,3,4,6,7,8-HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
Total HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
13C-OCDD	0.564	0.039	6.86 %	0.58	0.54	0.57	0.51	0.61
OCDF	1.437	0.202	14.1 %	1.16	1.30	1.52	1.63	1.59
OCDD	1.110	0.128	11.5 %	0.96	0.98	1.16	1.23	1.22

File:26AP10A1D5 #1-384 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

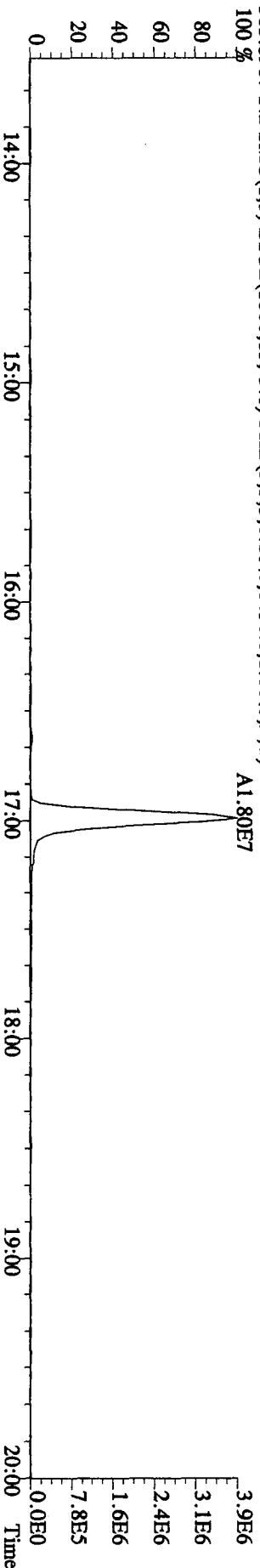
Sample#2 Text:ST0426B :CS3 10DXN111

Exp:DIOXIN

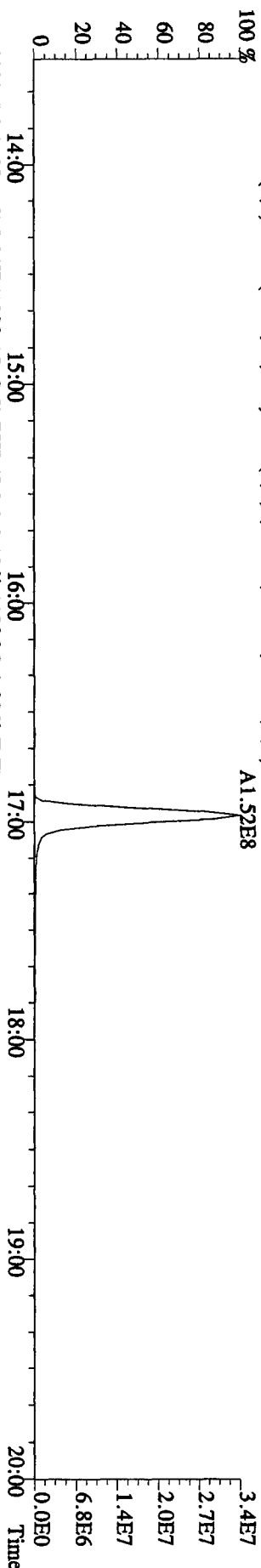
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4340,0,1,00%,F,T)



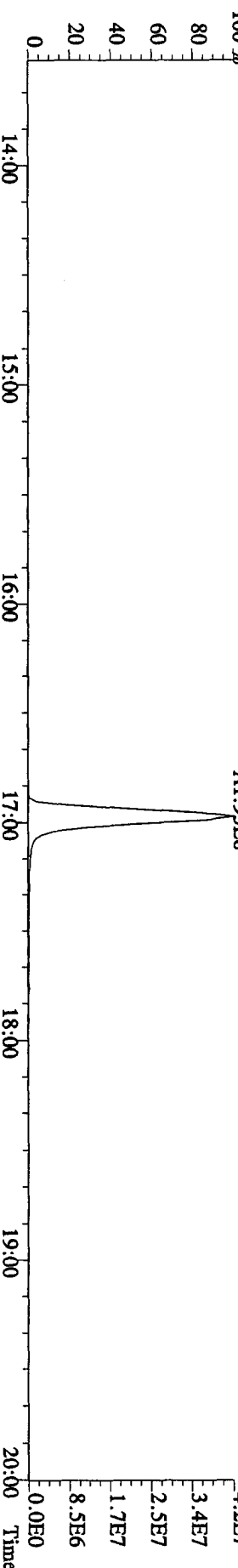
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6436,0,1,00%,F,T)



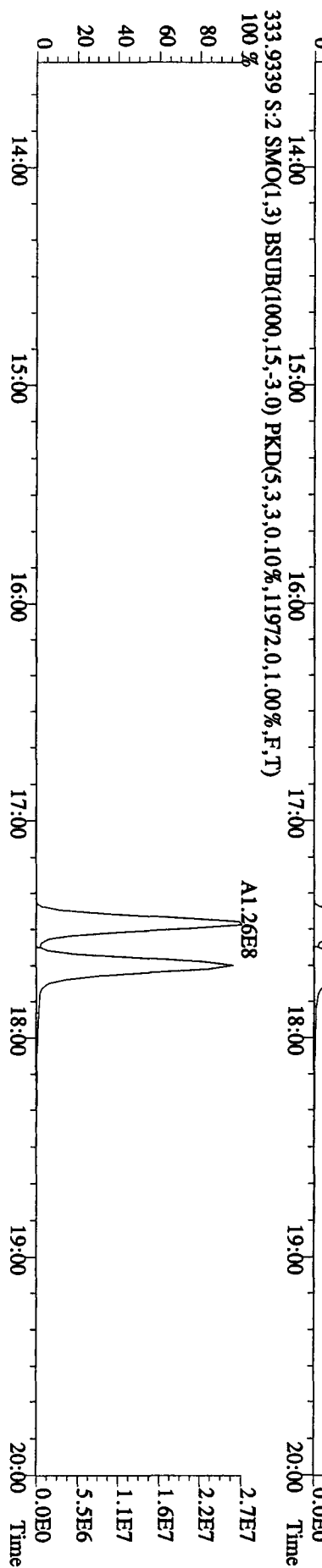
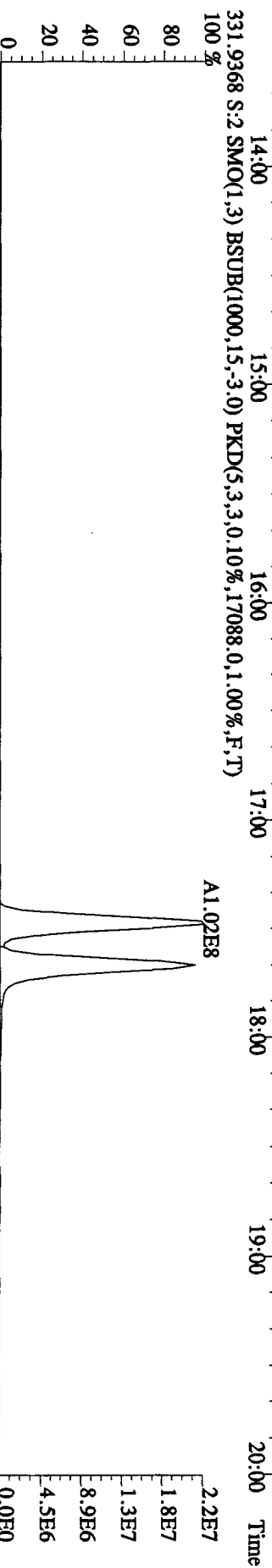
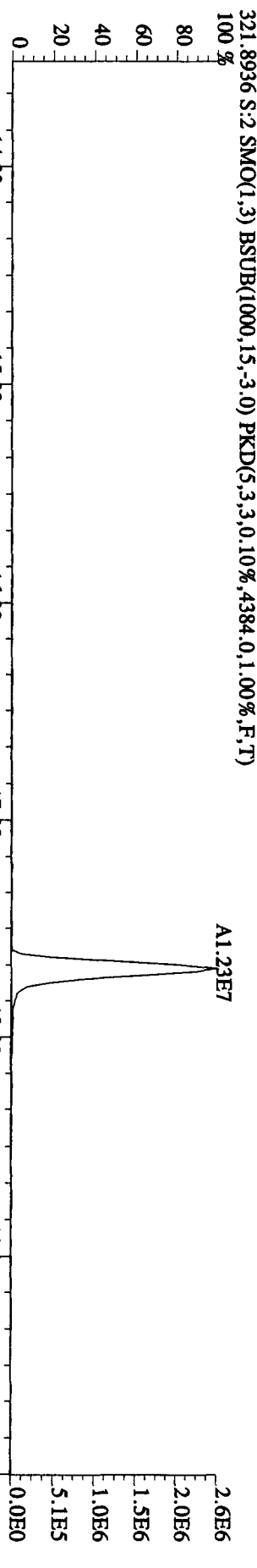
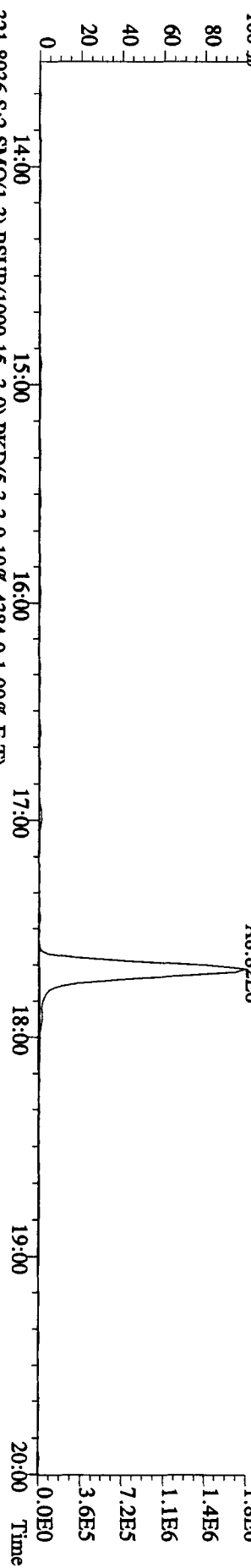
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9212,0,1,00%,F,T)



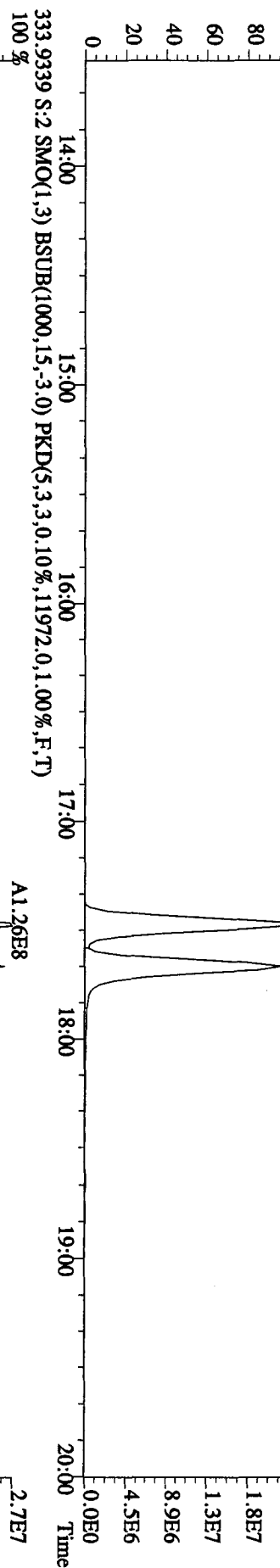
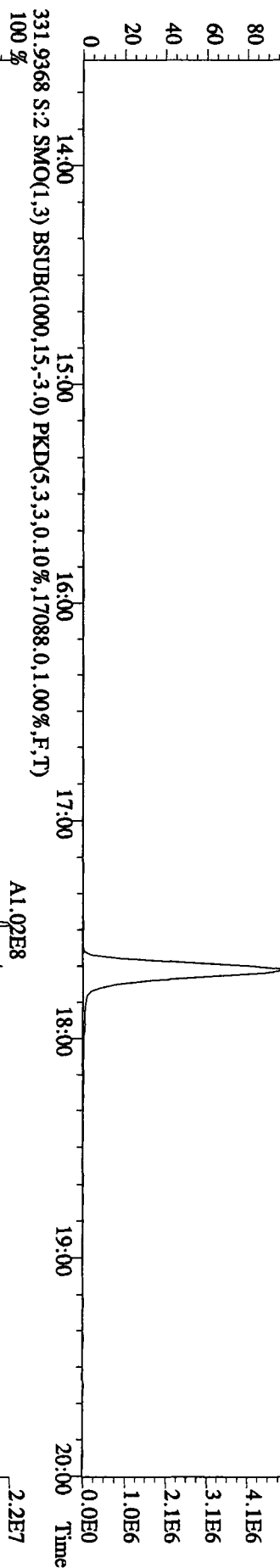
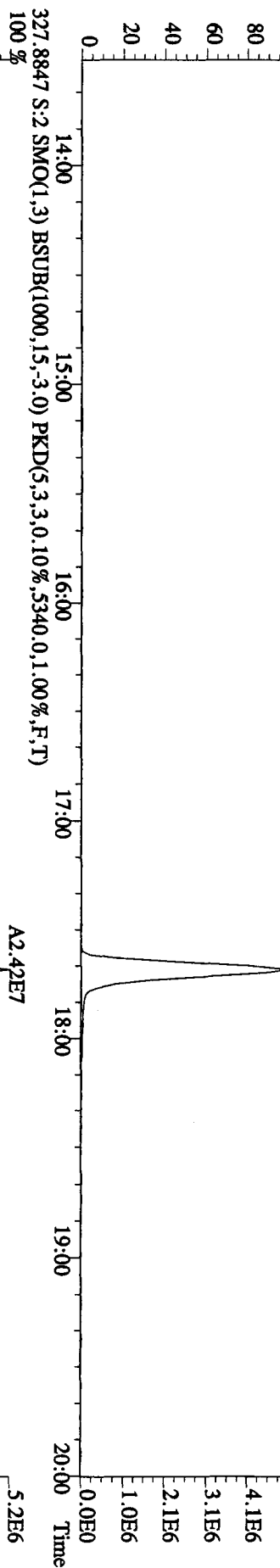
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11996,0,1,00%,F,T)



File:26AP10A1D5 #1-384 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4164,0,1.00%,F,T)
 100 %



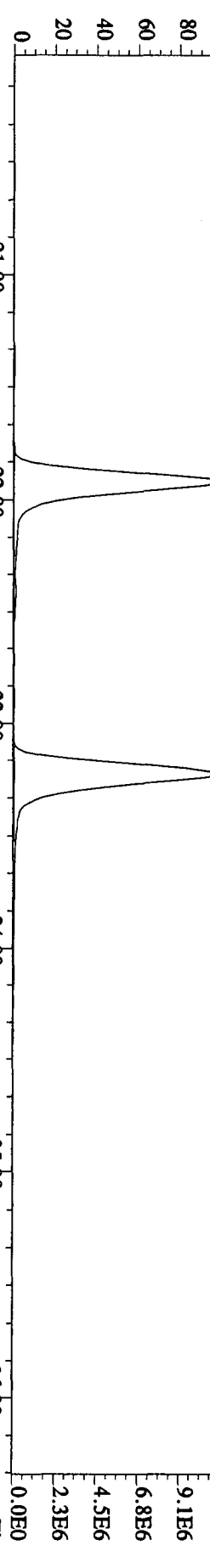
File:26ADP10A1D5 #1-384 Acq:26-APR-2010 19:26:59 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5340,0,1,00%,F,T)
 100 %



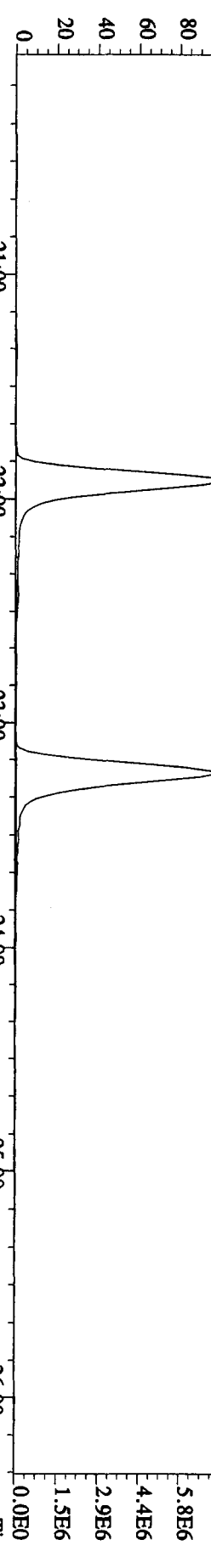
File:26API0A1D5 #1-445 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

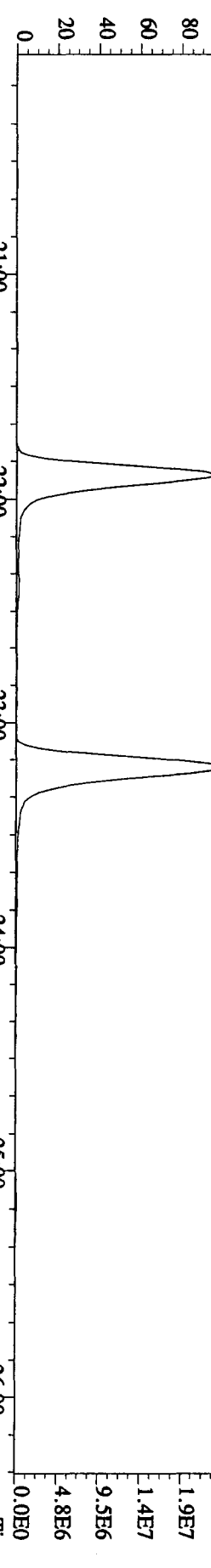
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7224,0,1,00%,F,T) A7.40E7 A7.80E7



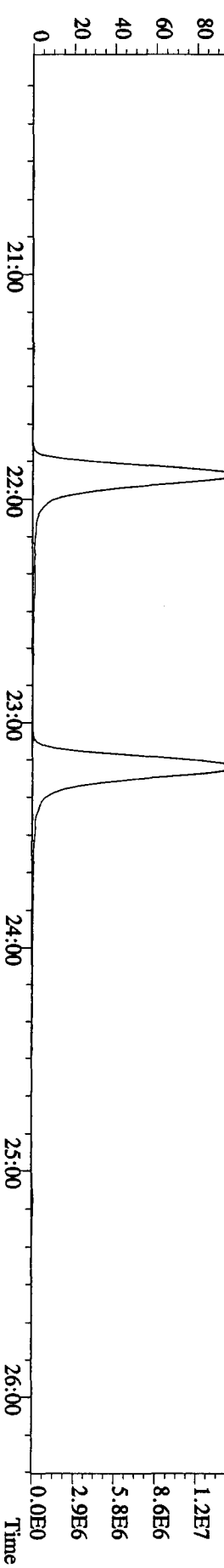
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10780,0,1,00%,F,T) A4.78E7 A4.87E7



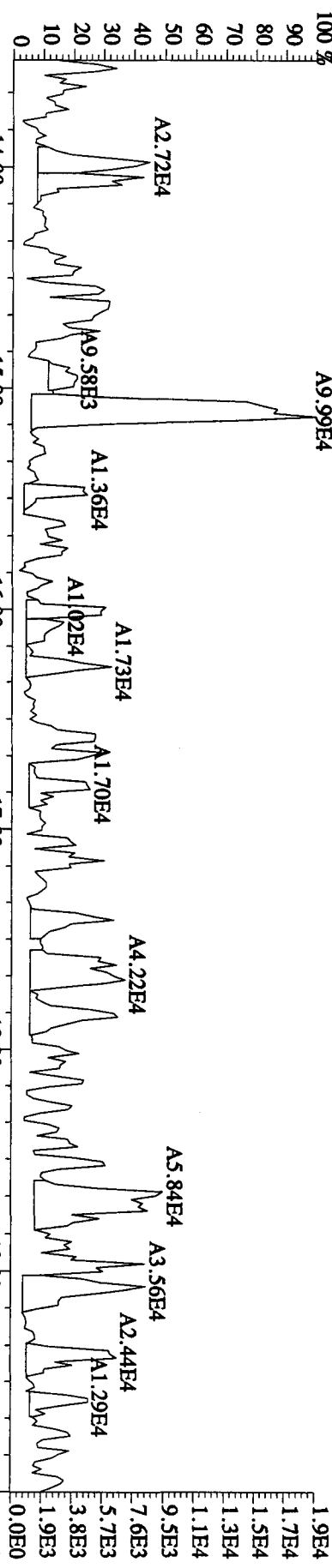
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11572,0,1,00%,F,T) A1.50E8 A1.65E8



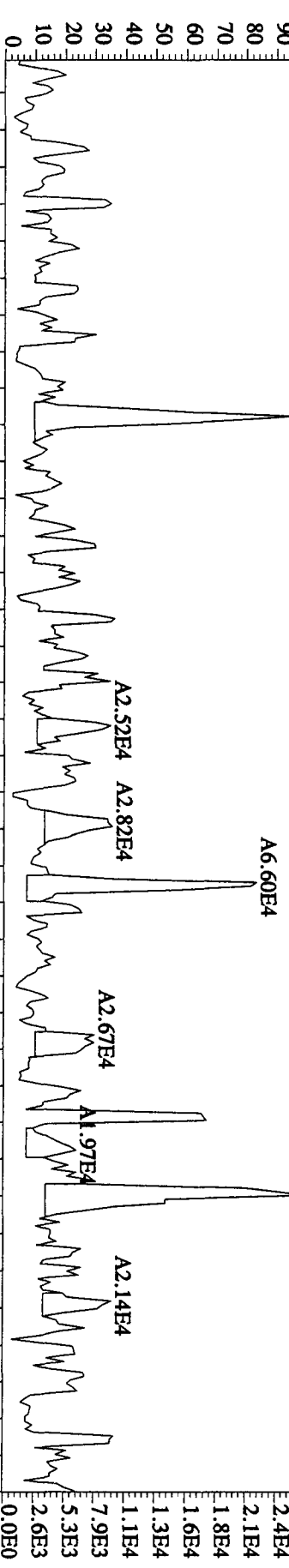
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,15104,0,1,00%,F,T) A9.27E7 A1.01E8



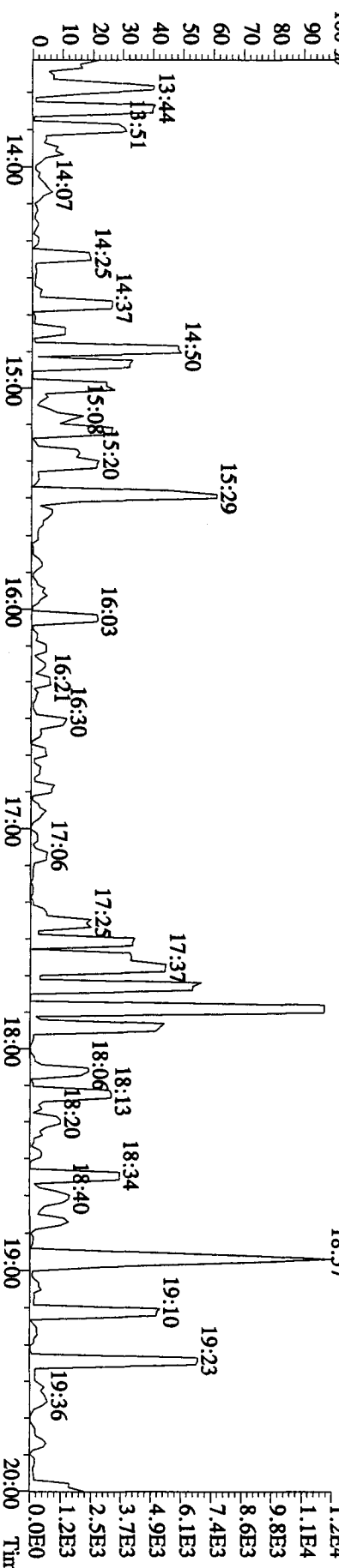
File:26API0A1D5 #1-384 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
 339.8597 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2192,0,1.00%,F,T)
 A9.99E4



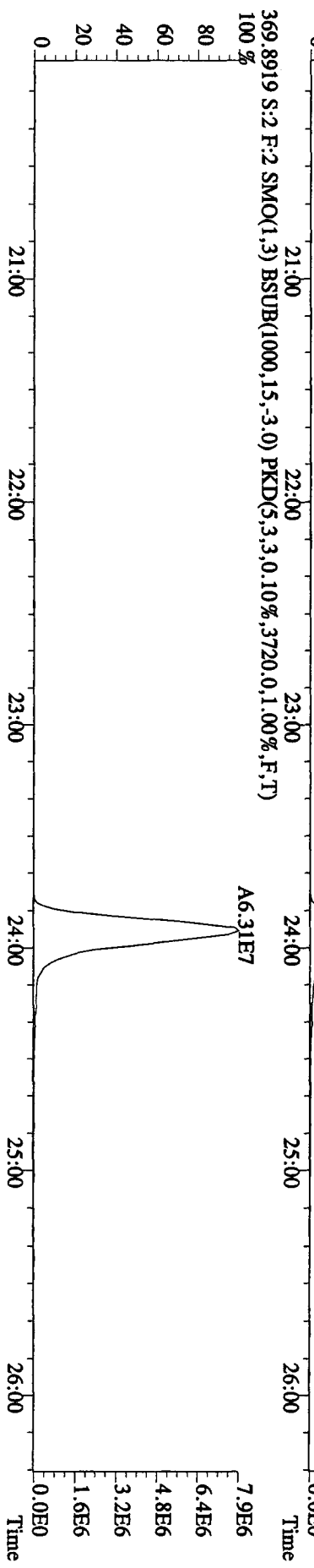
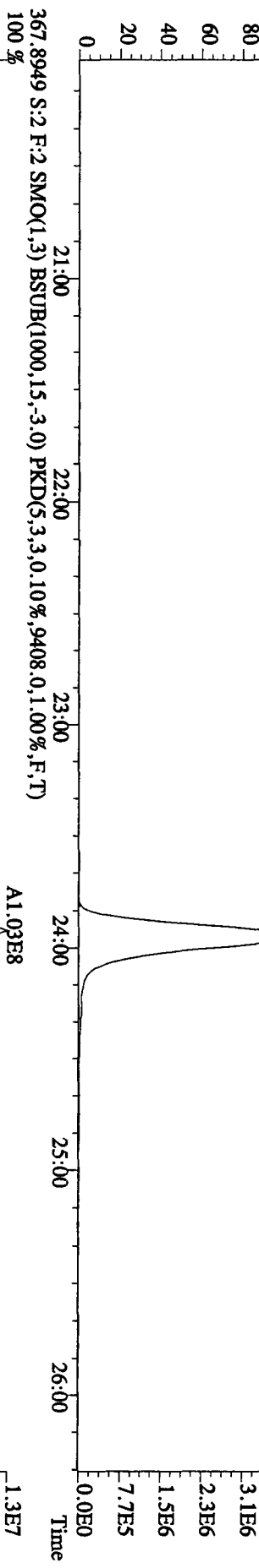
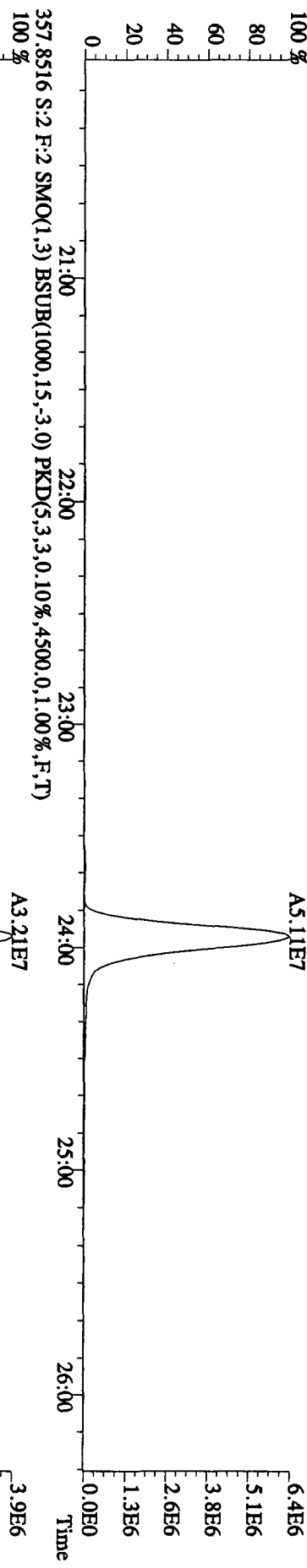
341.8567 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5932,0,1.00%,F,T)
 A8.46E4



409.7974 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,300,0,1.00%,F,T)
 A13.44E4



File:26API0A1ID5 #1-445 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7128,0,1,00%,F,T)
 100 %

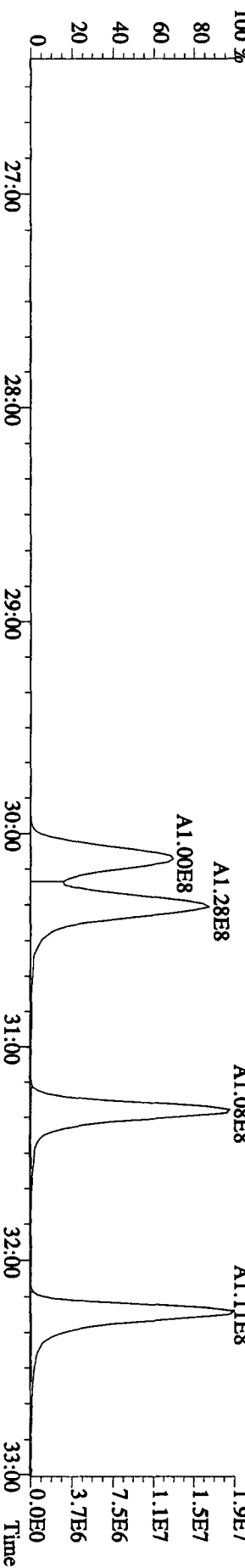
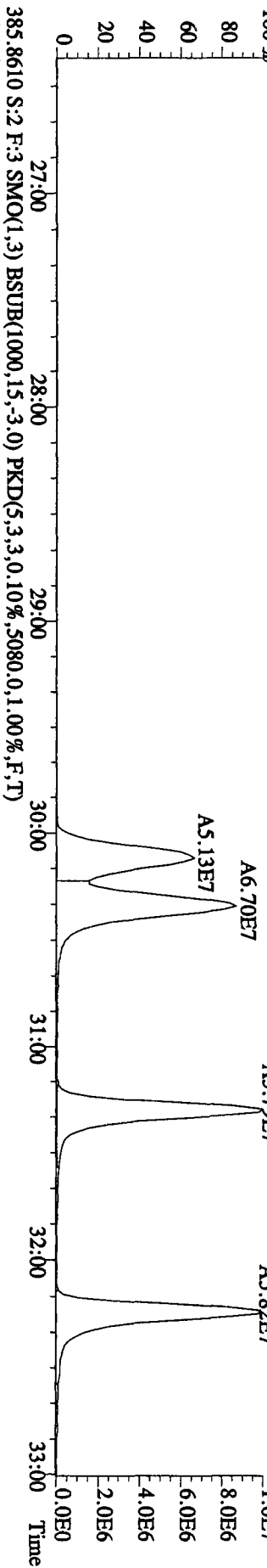
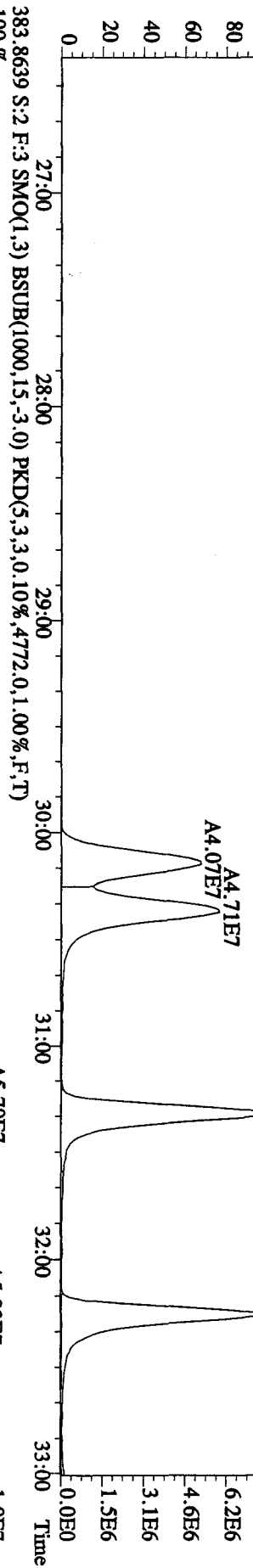
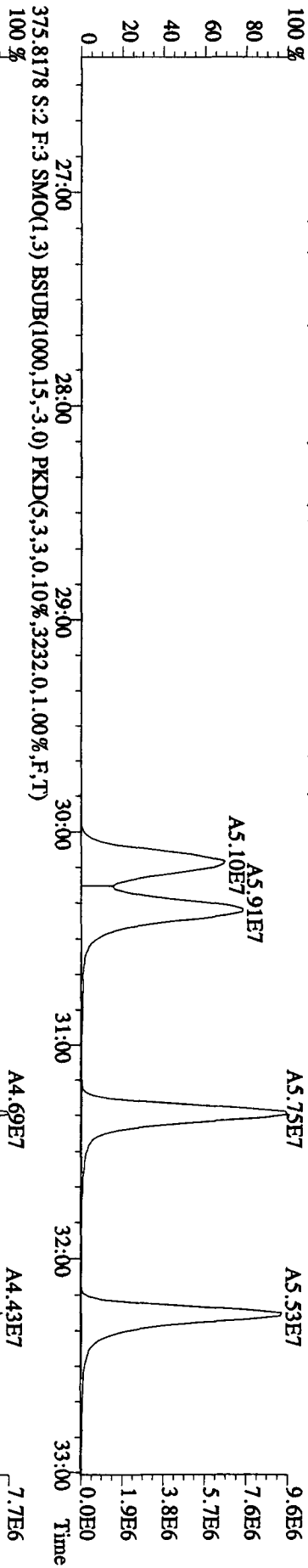


File:26AP10A1D5 #1-447 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

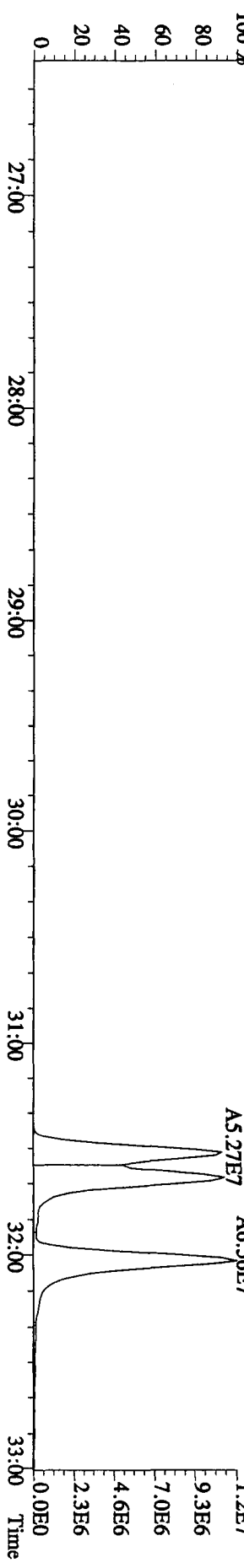
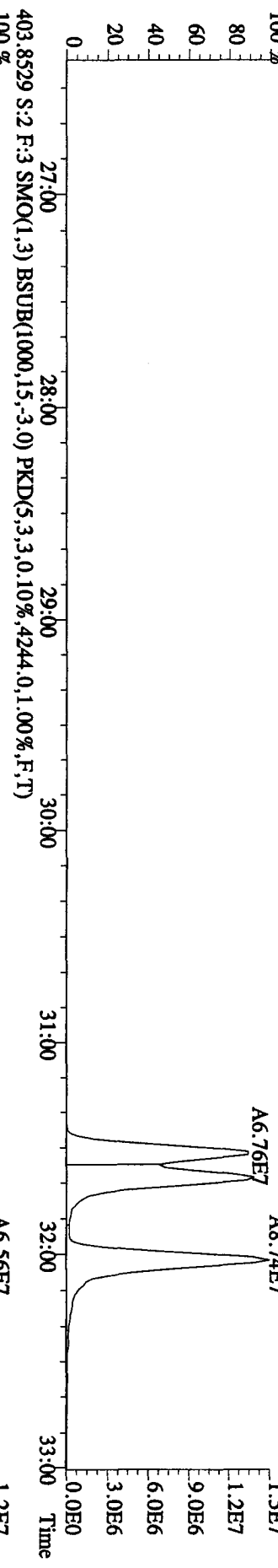
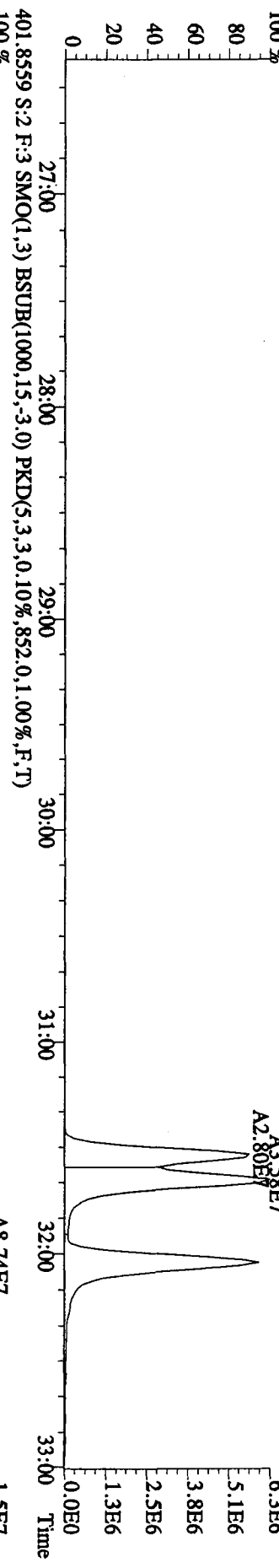
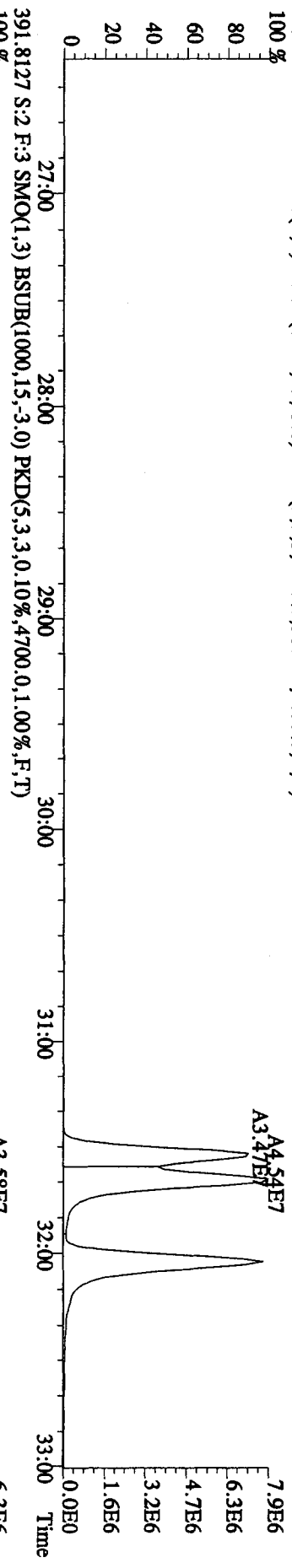
Sample#2 Text:ST0426B :CS3 10DXN111

Exp:DIOXIN

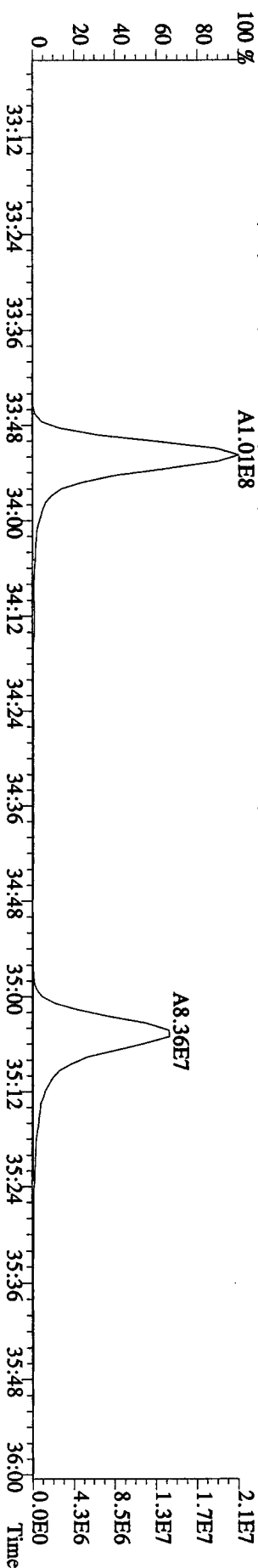
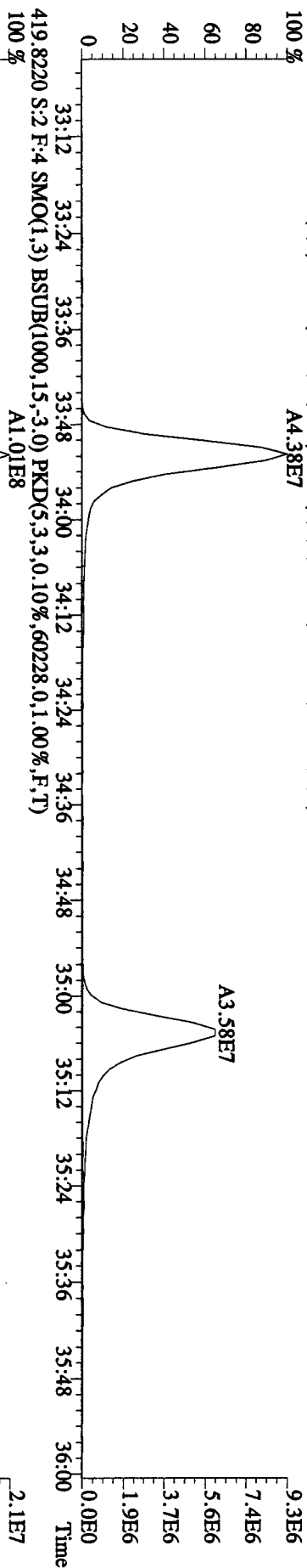
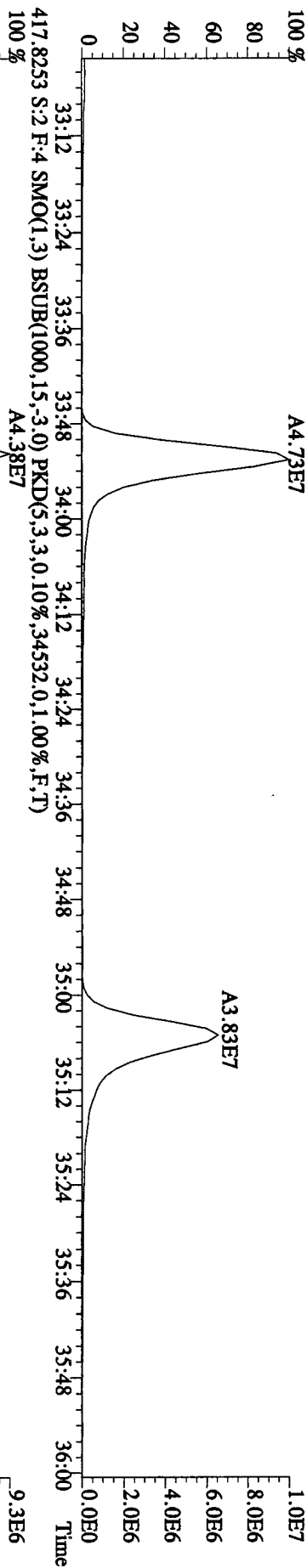
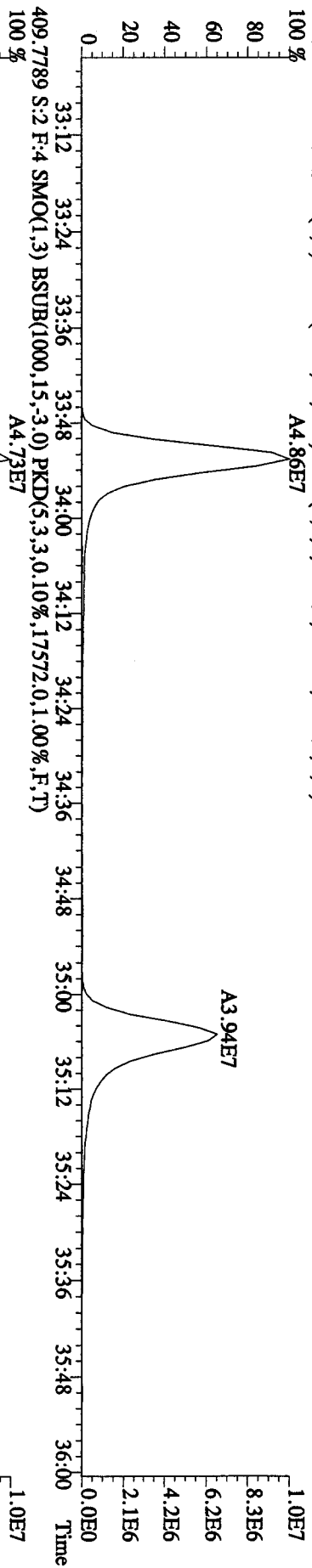
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3832.0,1.00%,F,T)



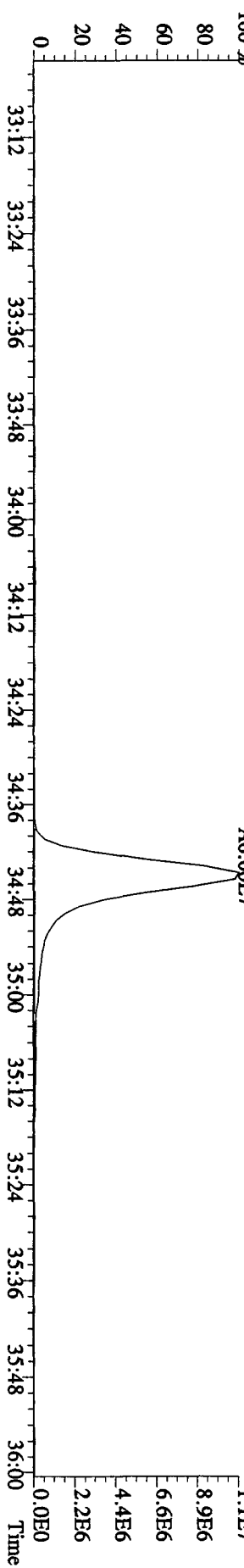
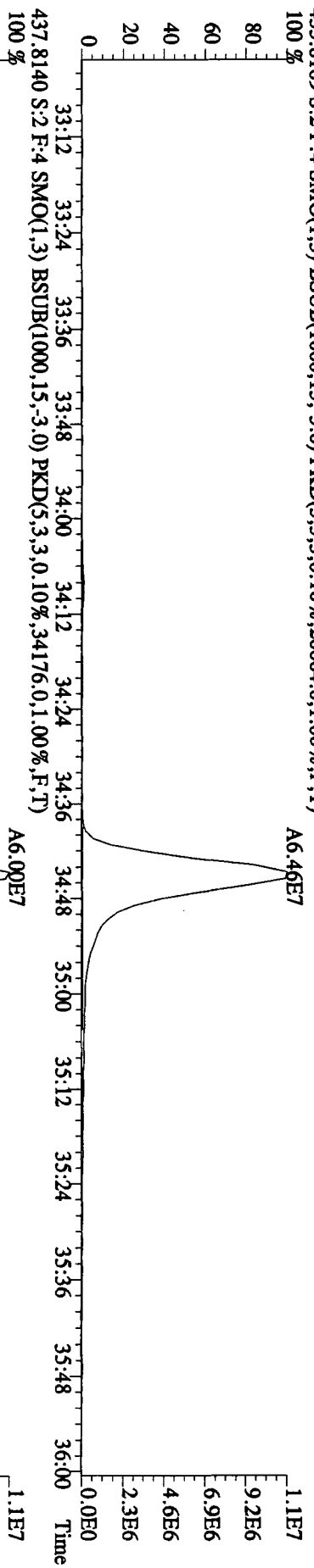
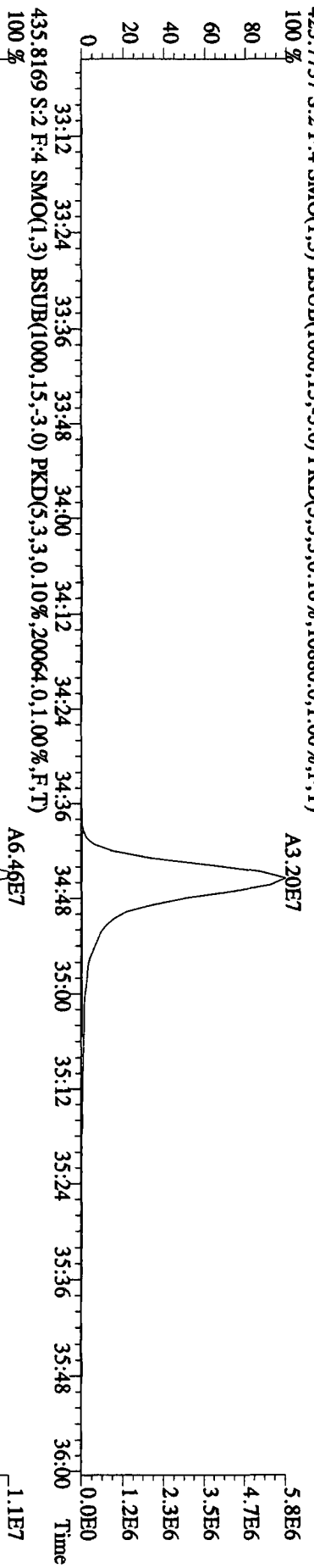
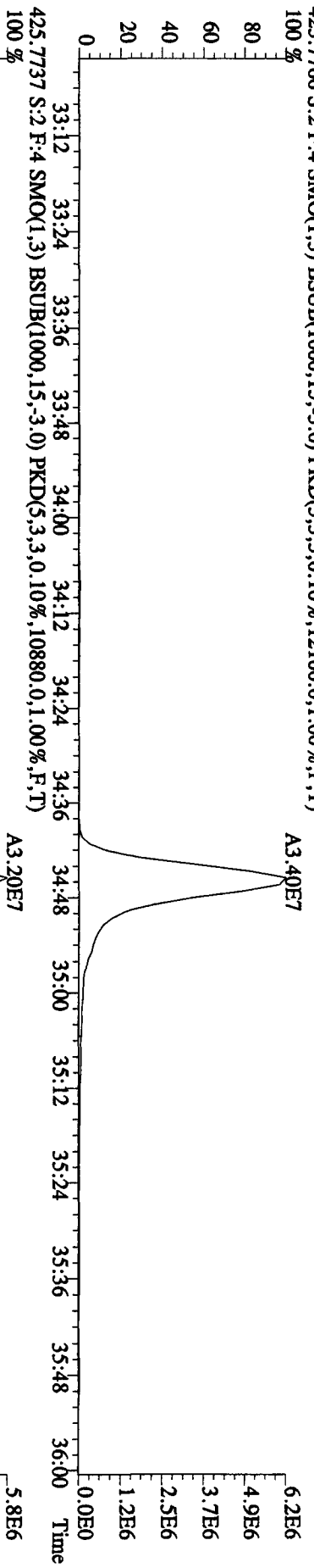
File:26API0A1D5 #1-447 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3072.0,1.00%,F,T)
 100 %



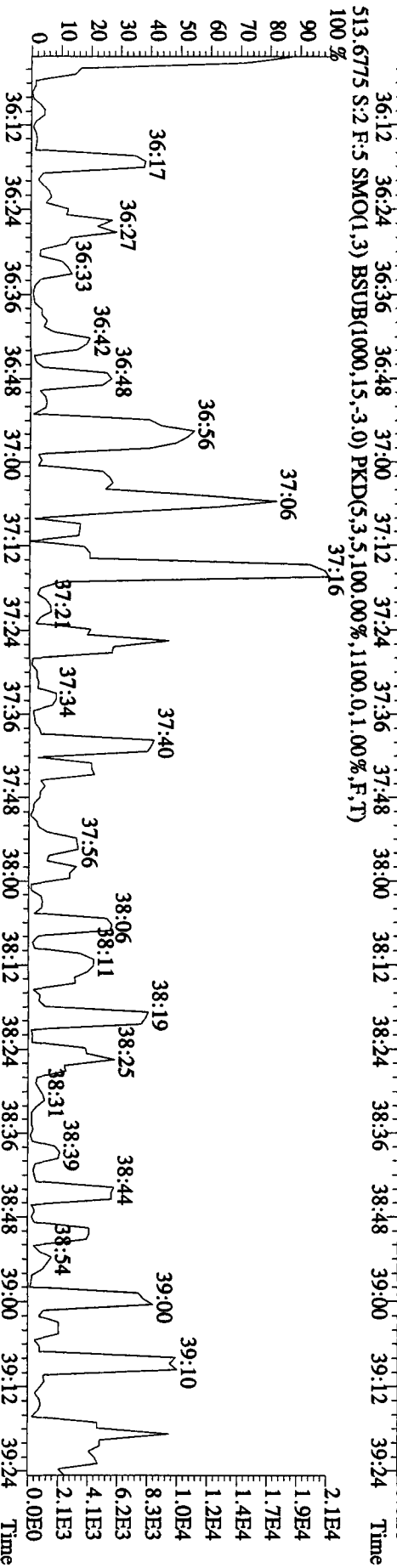
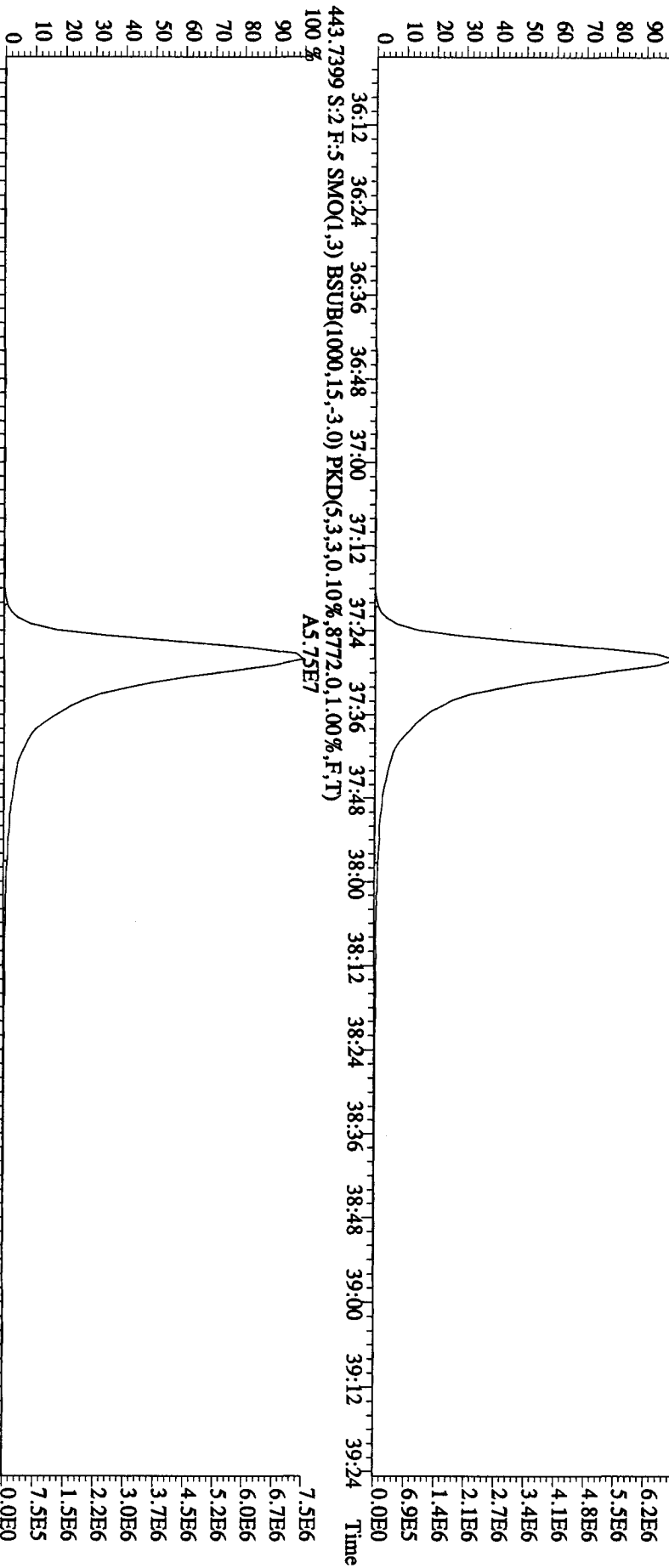
File:26API0A1D5 #1-210 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST0426B :CSS 10DXN111 Exp:DIOXIN
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8364.0,1.00%,F,T)



File:26API01A1D5 #1-210 Acq:26-APR-2010 19:26:59 GC EI + Voltage SIR 70SE
Sample#2 Text:ST0426B :CSS 10DXN11 Exp:DIOXIN
423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12100.0,1.00%,F,T)

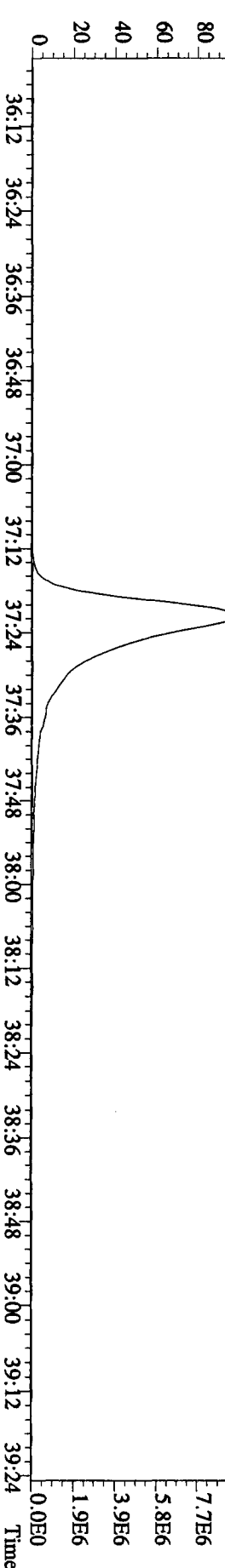
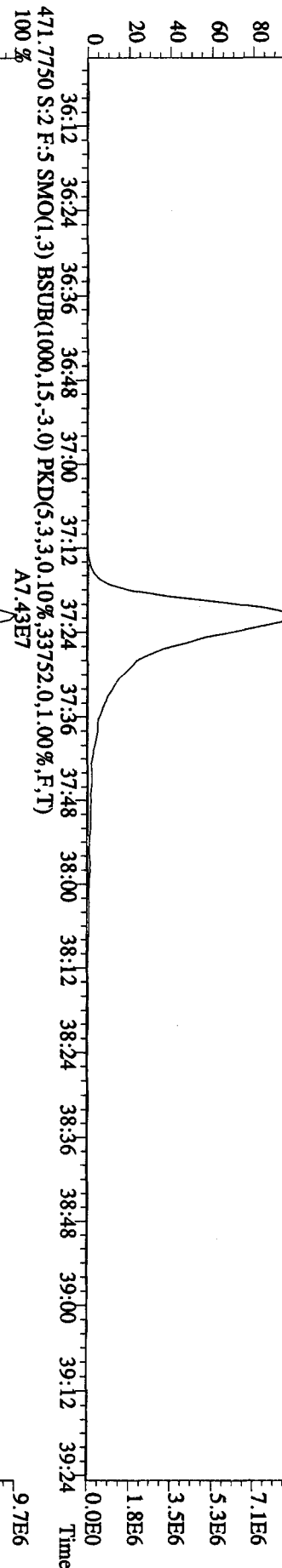
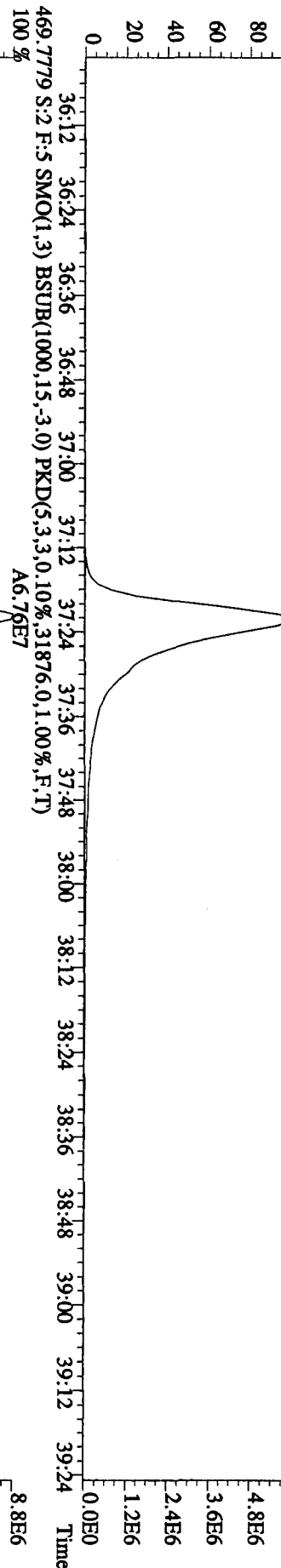
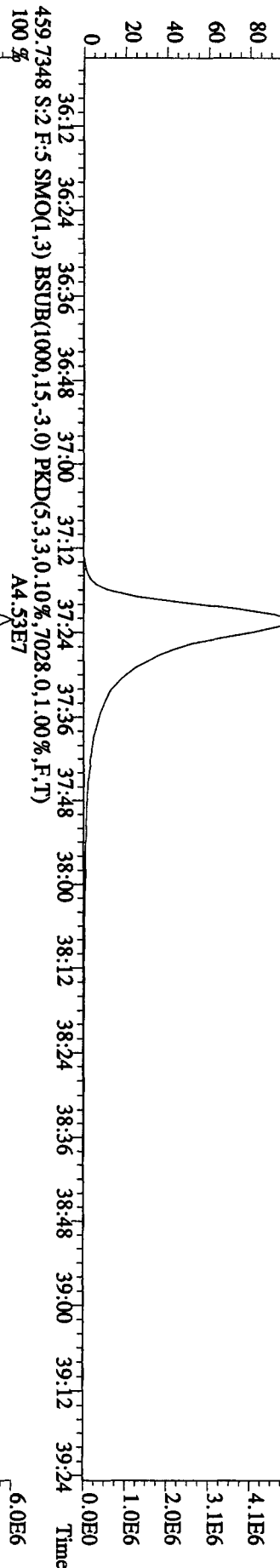


File: 26AP10A1D5 #1-244 Acq: 26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST0426B : CSS 10DXN111 Exp: DIOXIN
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6796,0.1,00%,F,T)
 A5.19E7



File:26AP10A1ID5 #1-244 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

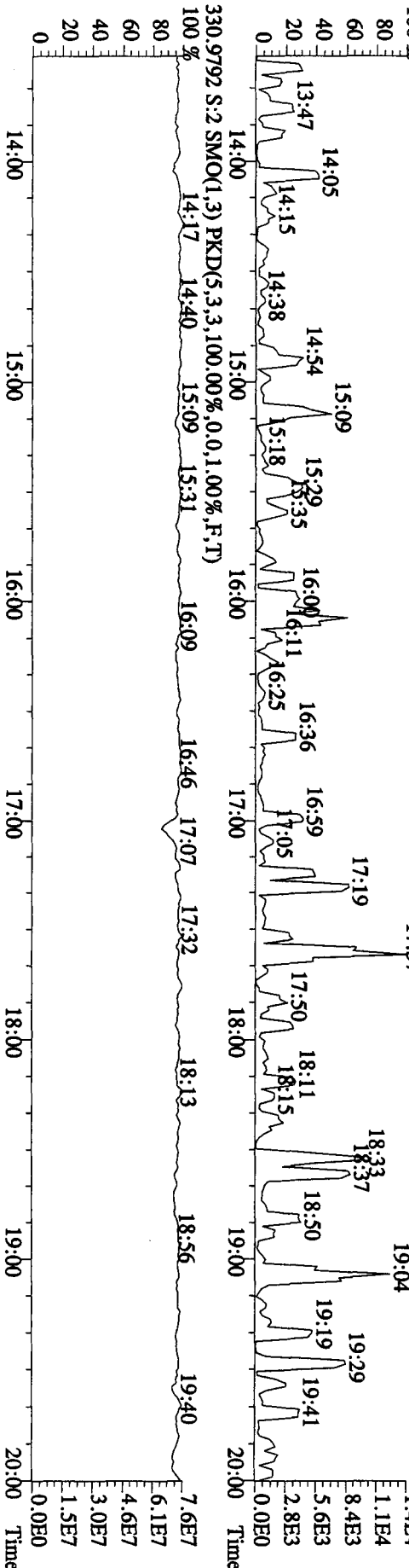
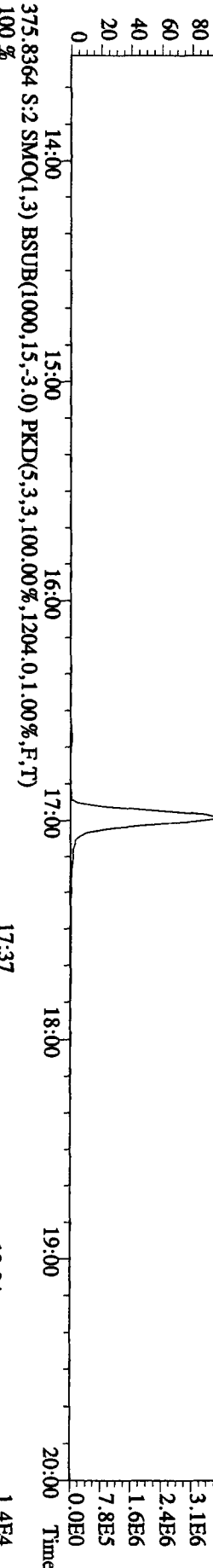
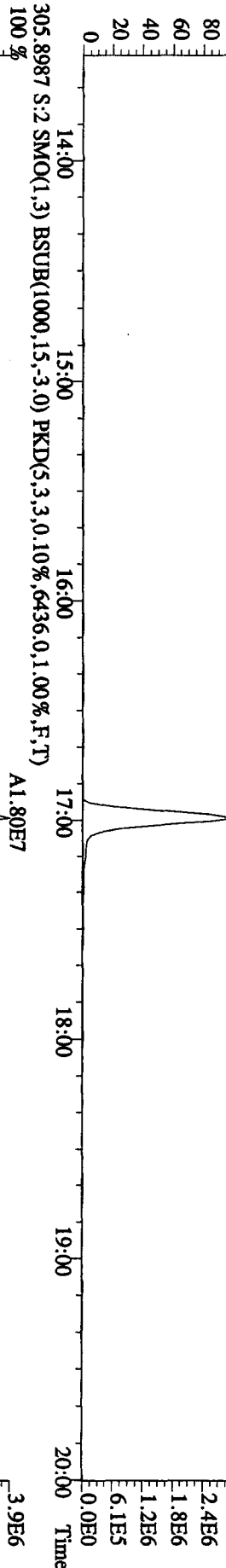
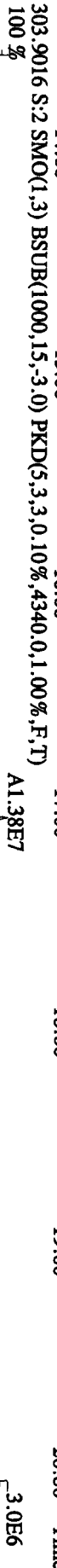
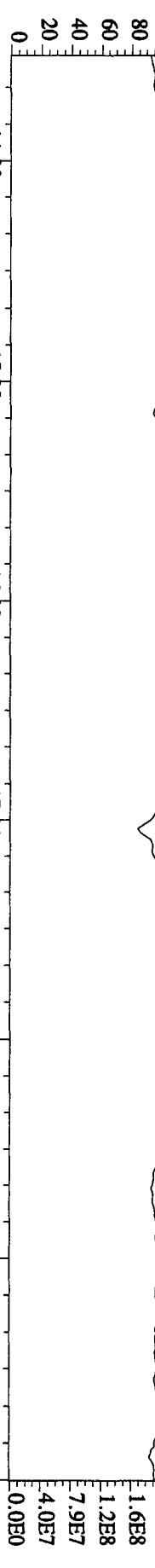
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN
457.7377 S:2 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5596.0,1.00%,F,T)
100 % A4.03E7



File:26API0A1D5 #1-384 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

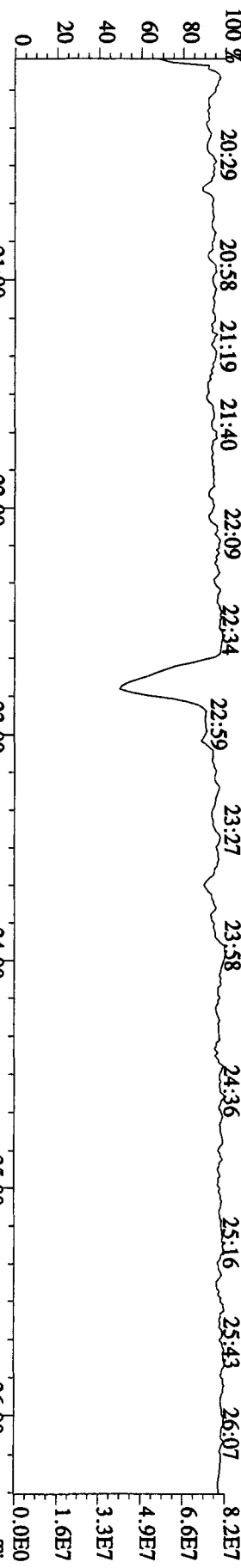
292.9825 S:2 SMO(1,3) PKD(5,3,5,100,00%,0,0,1,00%,F,T)



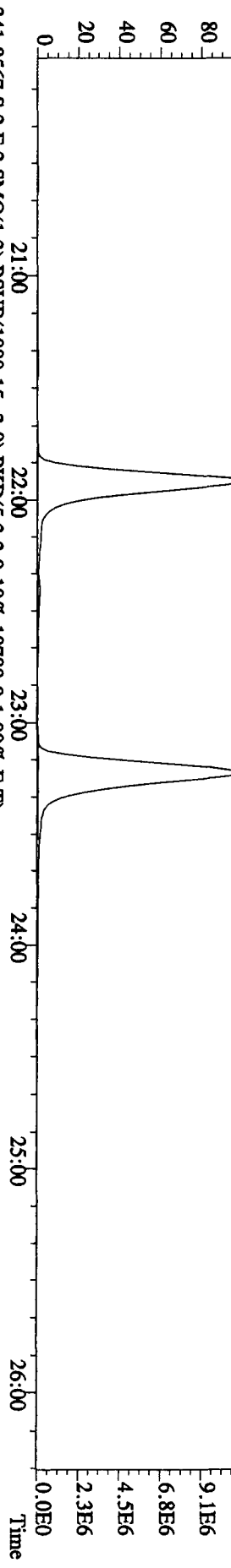
File:26API0A1D5 #1-445 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

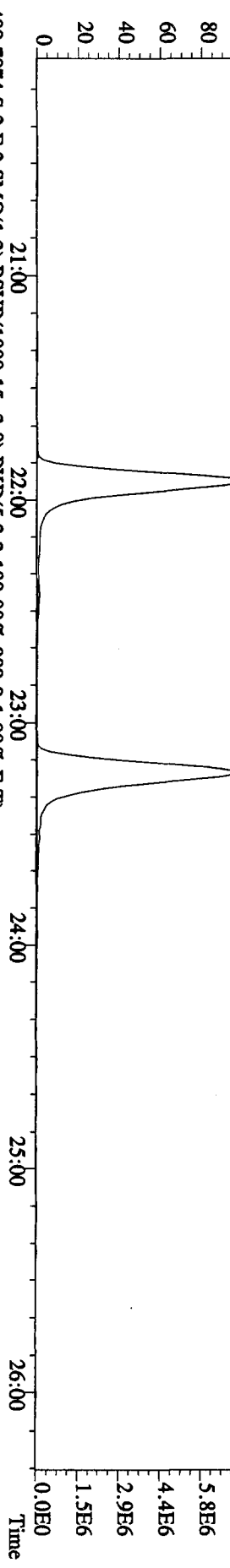
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



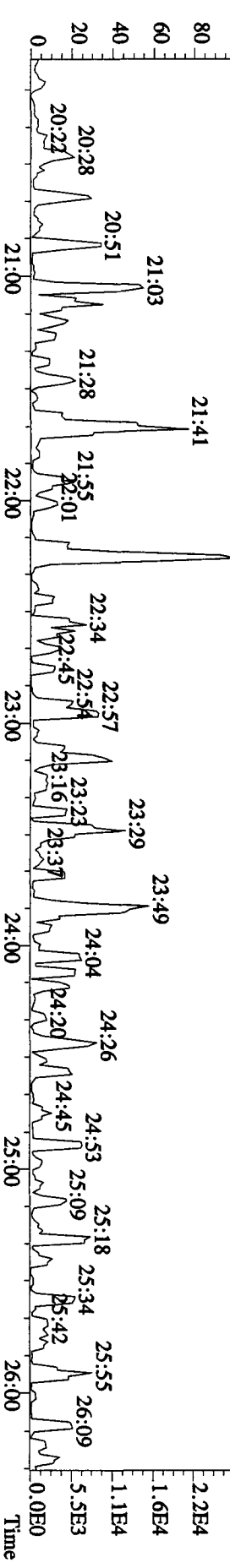
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7224.0,1.00%,F,T)



341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10780.0,1.00%,F,T)

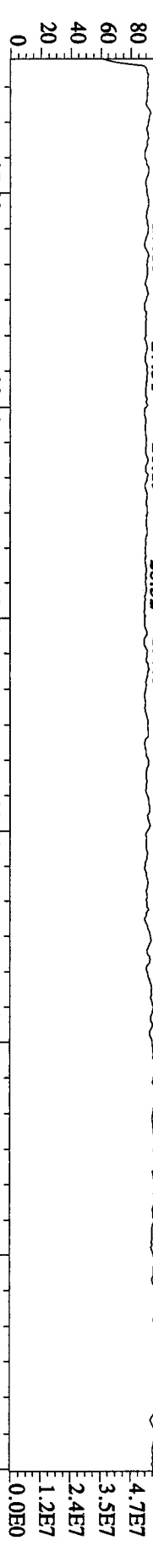


409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,988.0,1.00%,F,T)

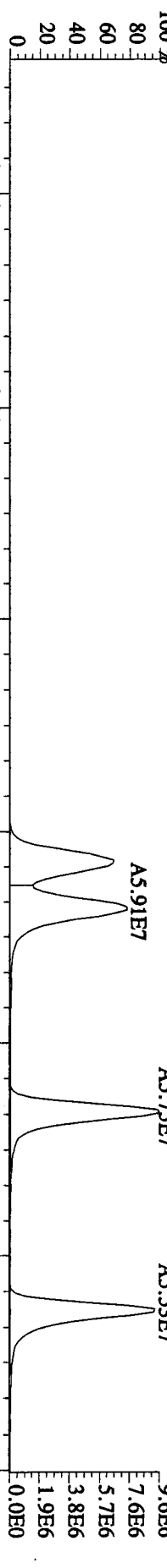


Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

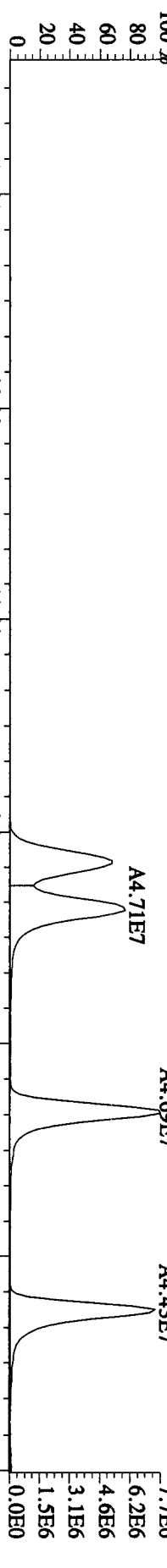
392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



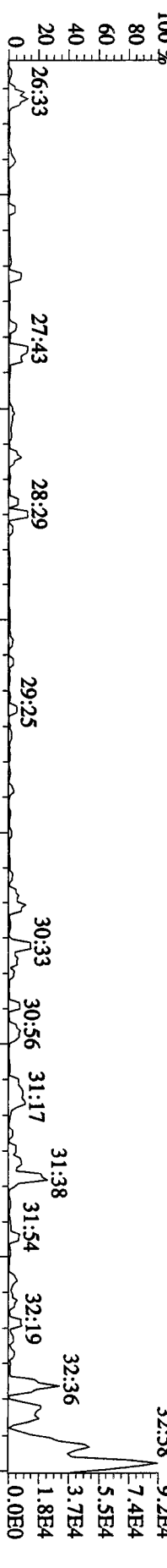
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3832.0,1.00%,F,T)



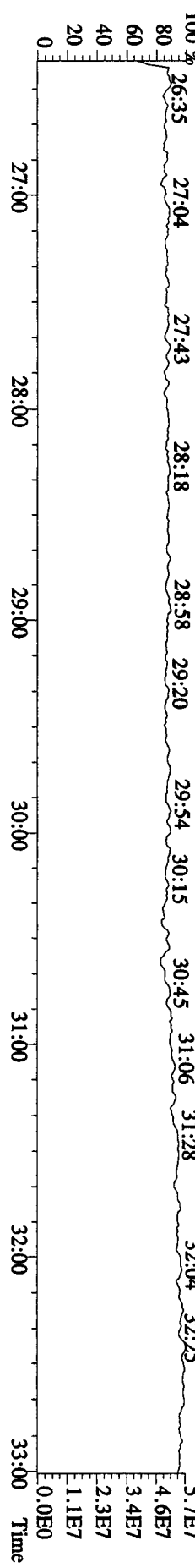
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3232.0,1.00%,F,T)



445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,860.0,1.00%,F,T)



380.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:26ADP10A1D5 #1-210 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

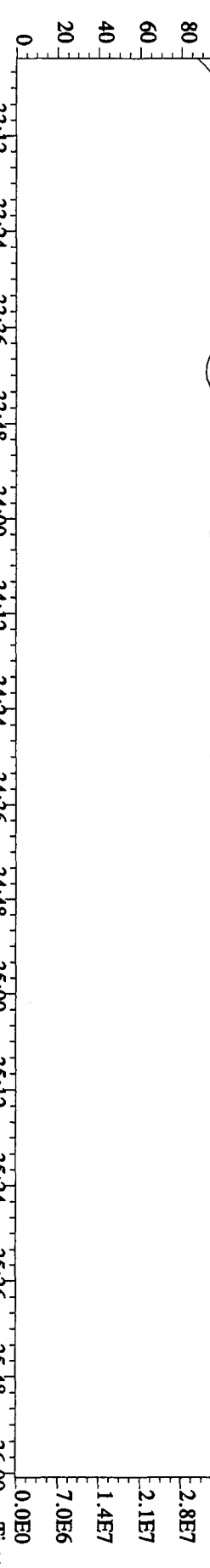
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 33:14 33:31 33:48 34:07 34:20

34:42 35:06 35:20 35:41 35:50

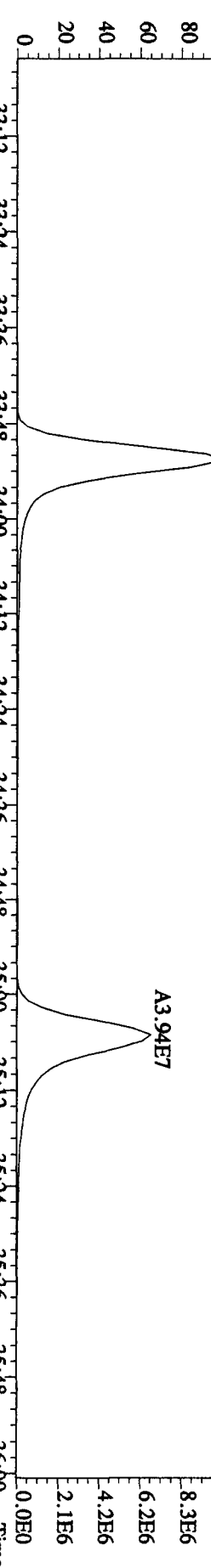
3.5E7



407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8364.0,1.00%,F,T)

100 % 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00

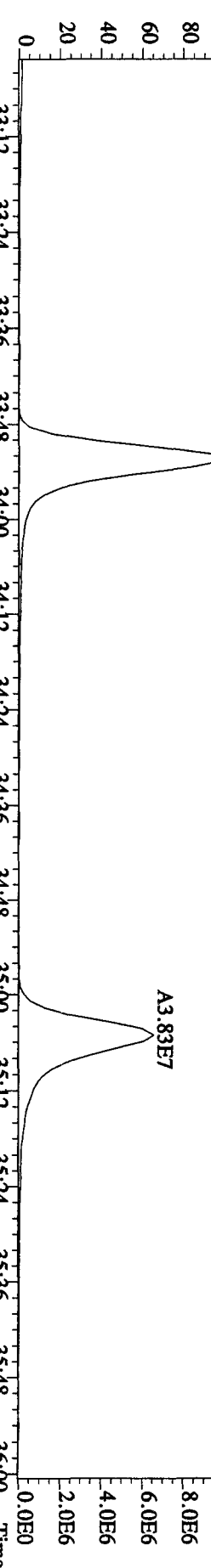
1.0E7



409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,17572.0,1.00%,F,T)

100 % 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00

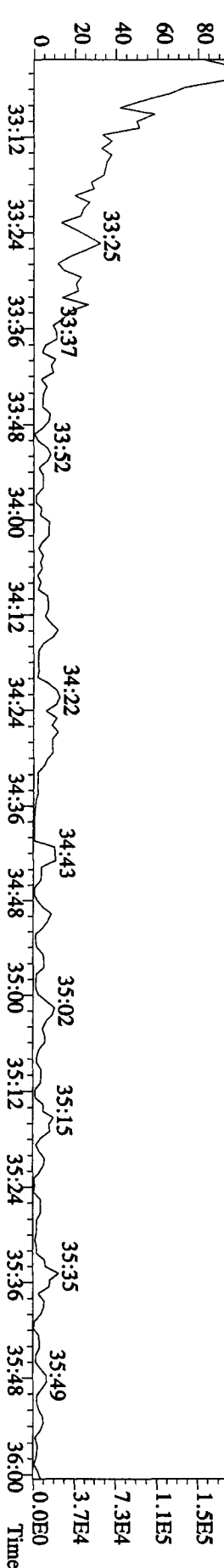
1.0E7



479.7165 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,14952.0,1.00%,F,T)

100 % 33:04

1.8E5

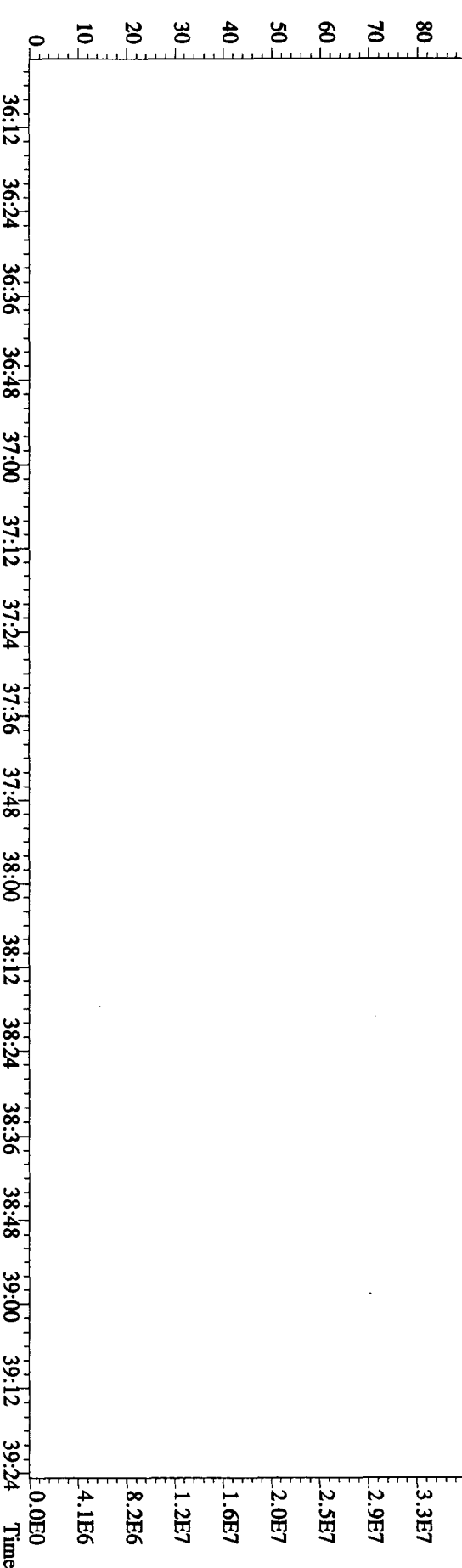
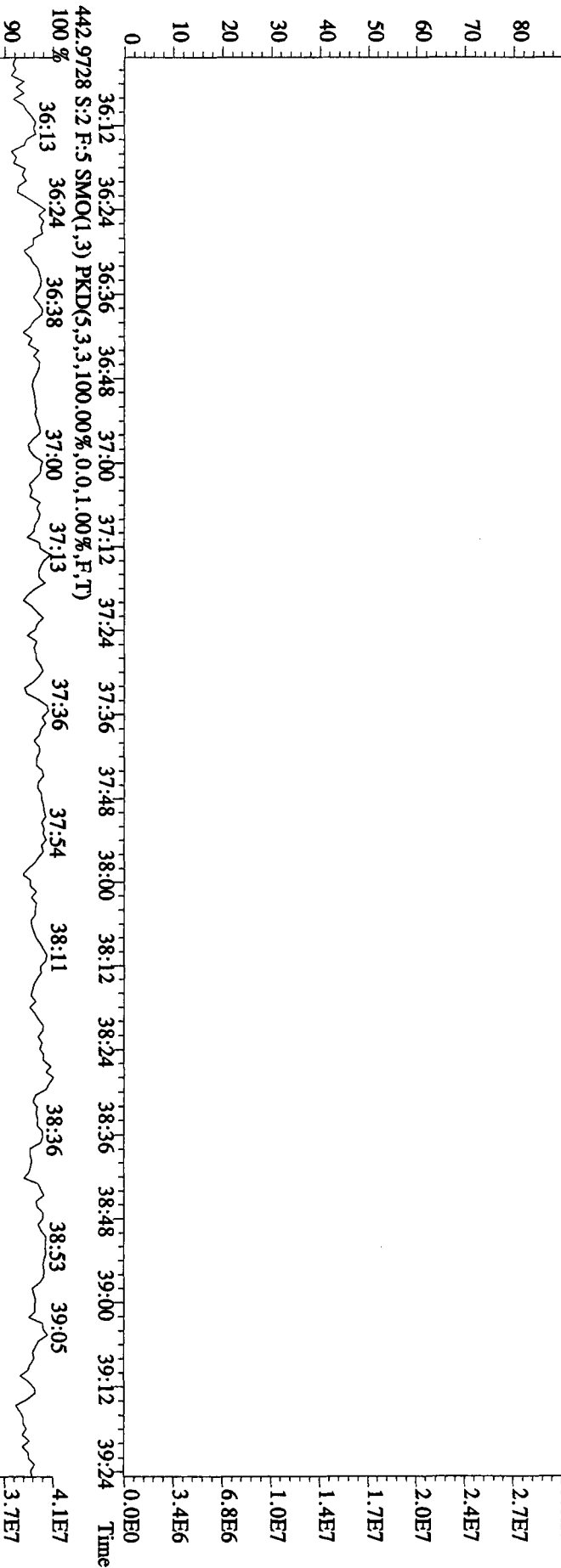


File:26AP10A1D5 #1-244 Acq:26-APR-2010 19:26:59 GC EI+ Voltage SIR 70SE

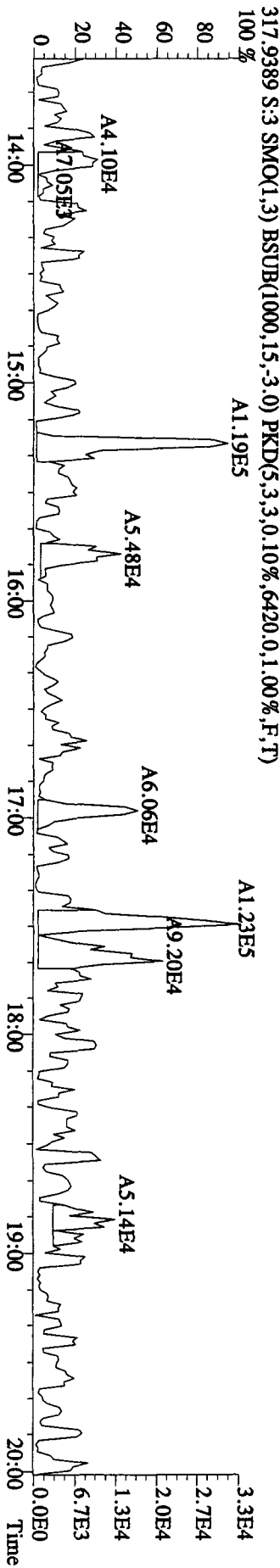
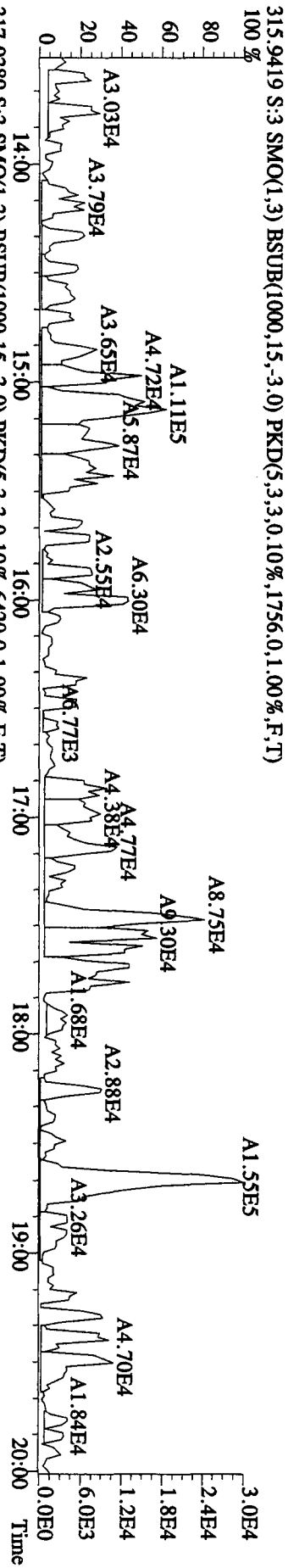
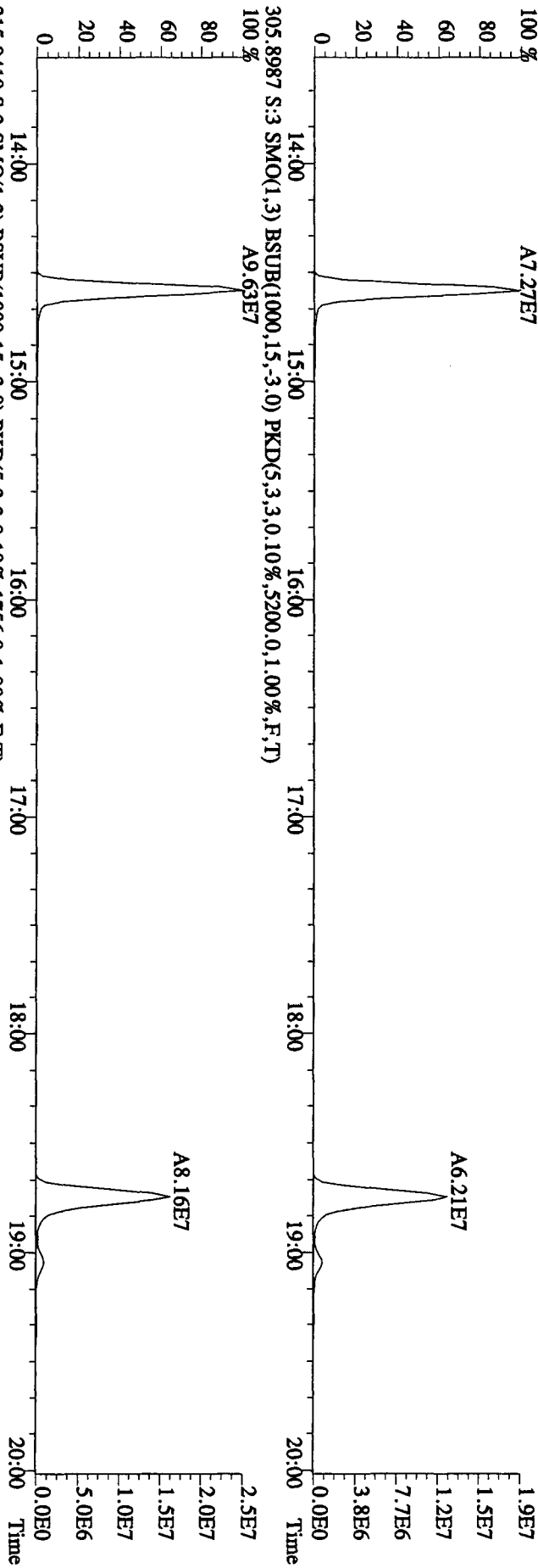
Sample#2 Text:ST0426B :CS3 10DXN111 Exp:DIOXIN

454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

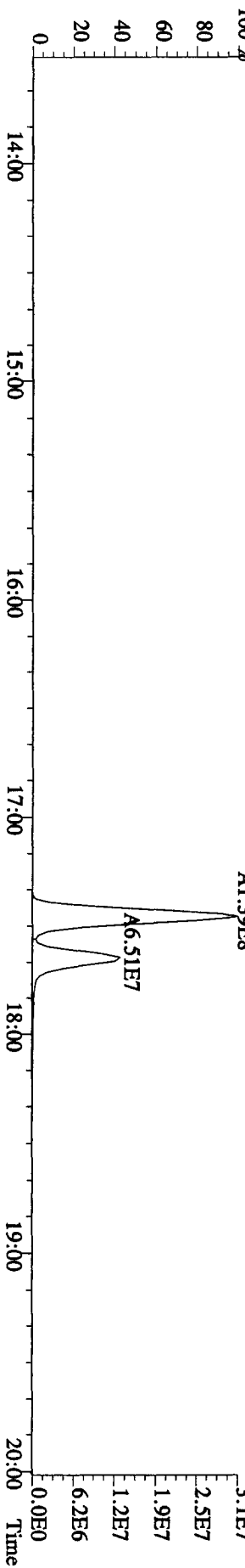
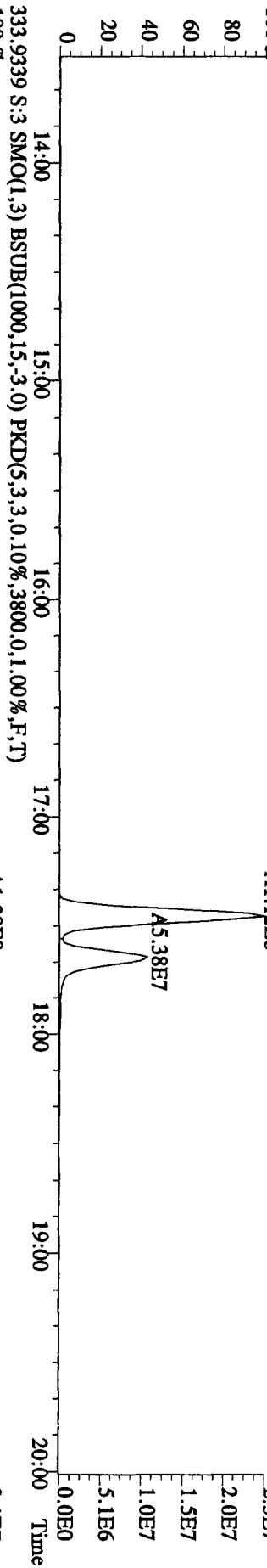
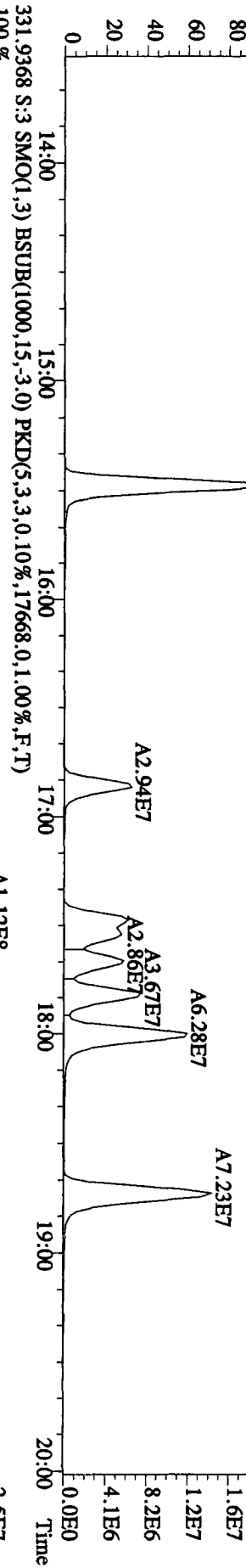
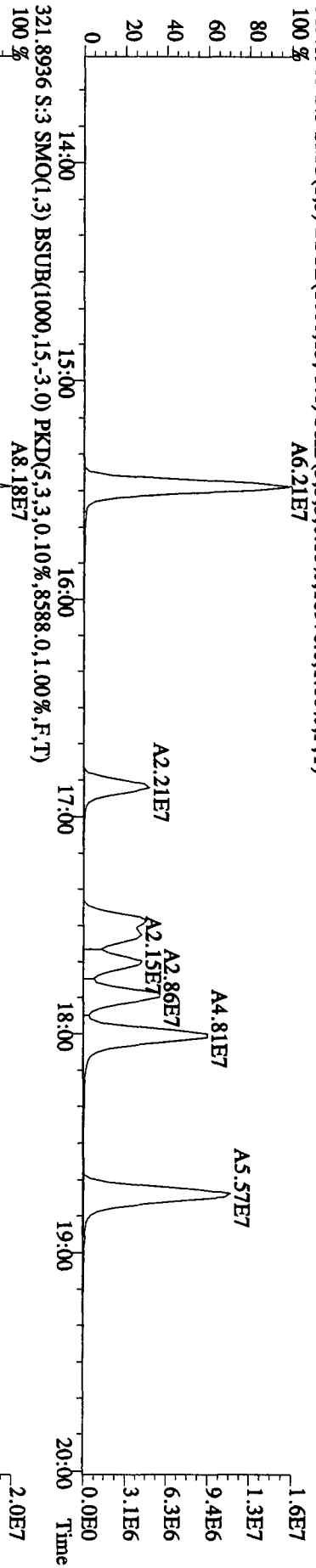
100 % 36:11 36:25 36:46 36:56 37:16 37:26 37:39 37:52 38:05 38:16 38:31 38:53 39:18



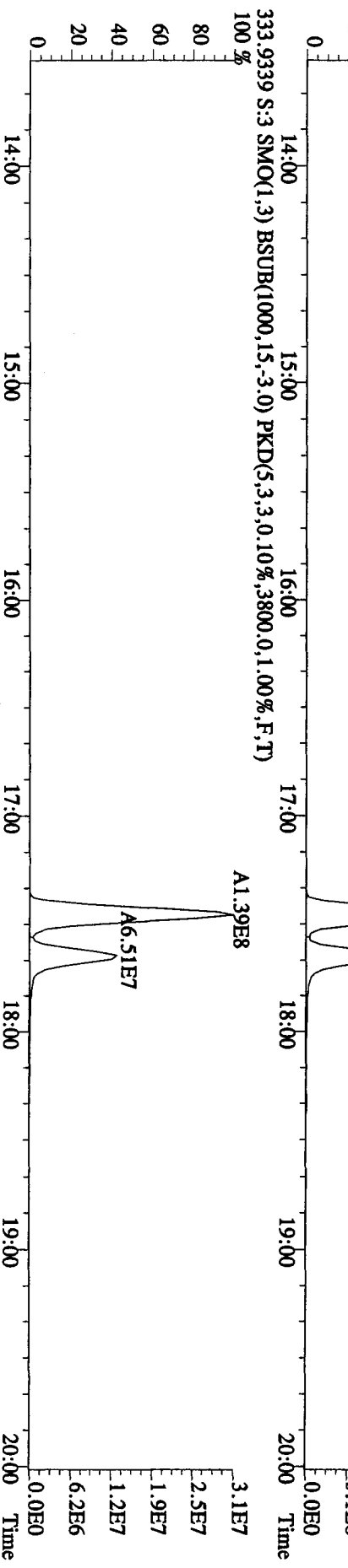
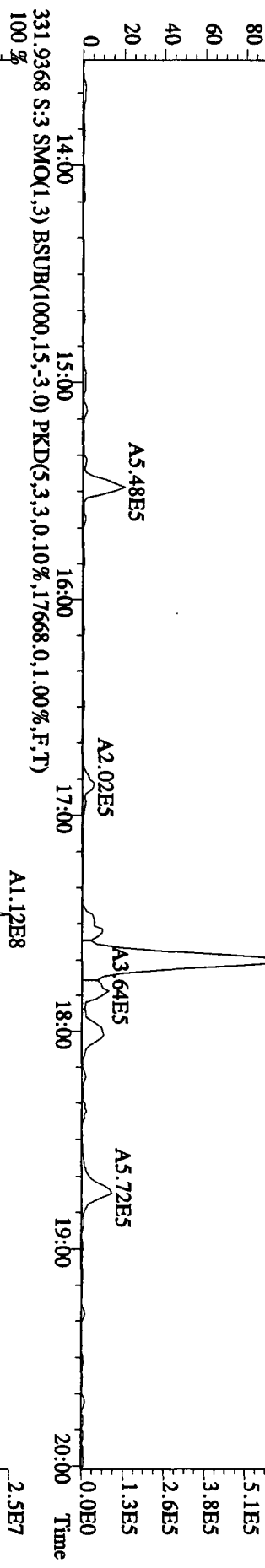
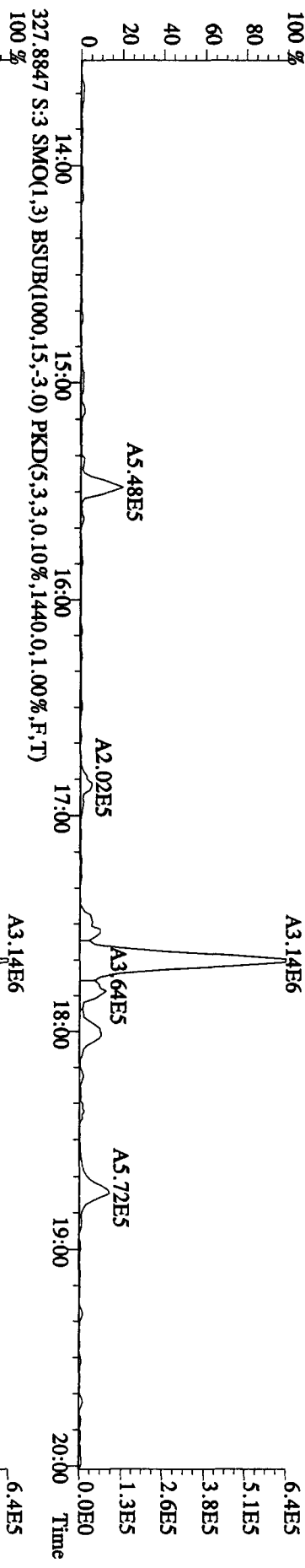
File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI + Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CP5M 3732-05 Exp:DIOXIN
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6252,0,1,00%,F,T)
 100 % A7.27E7

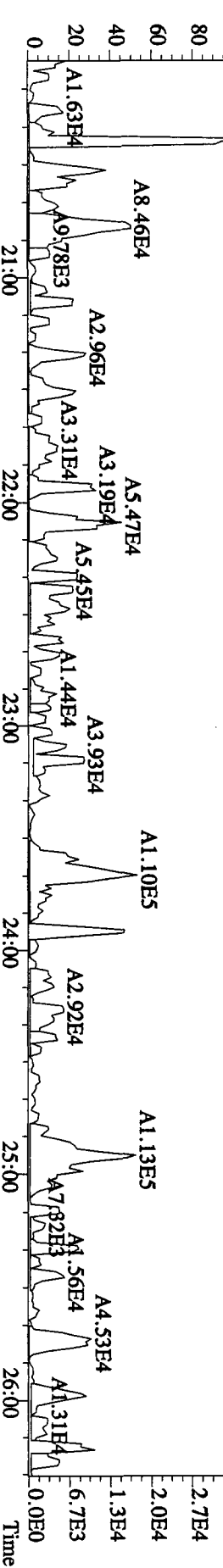
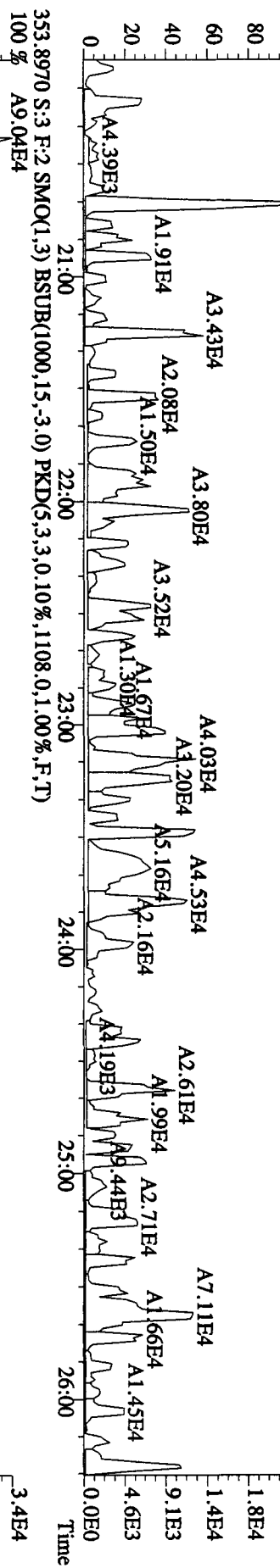
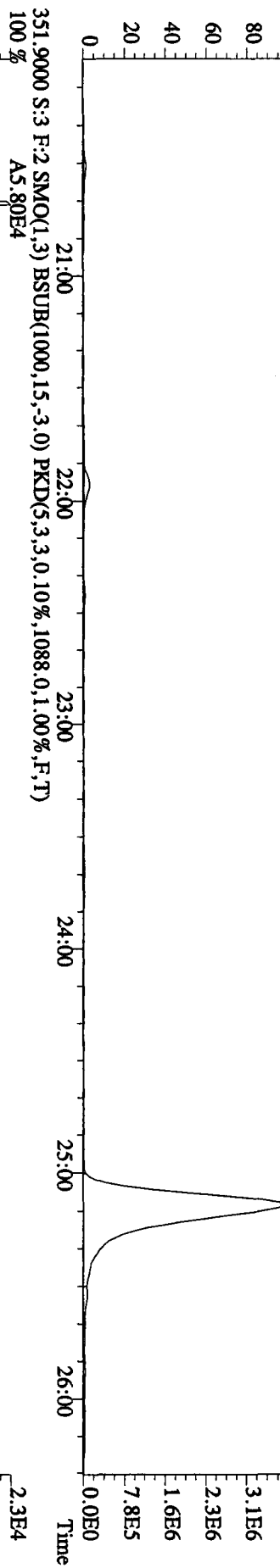
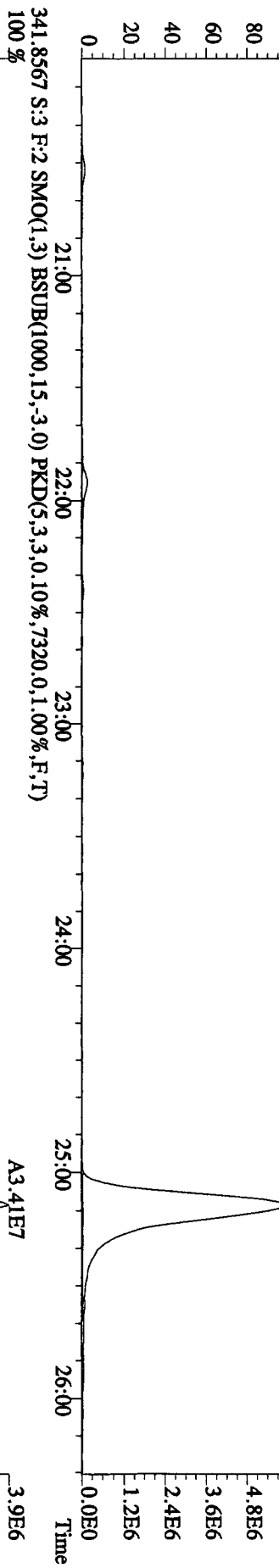


File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CP5M 3732-05 Exp:DIOXIN
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10976,0,1,00%,F,T)
 100 % A6.21E7

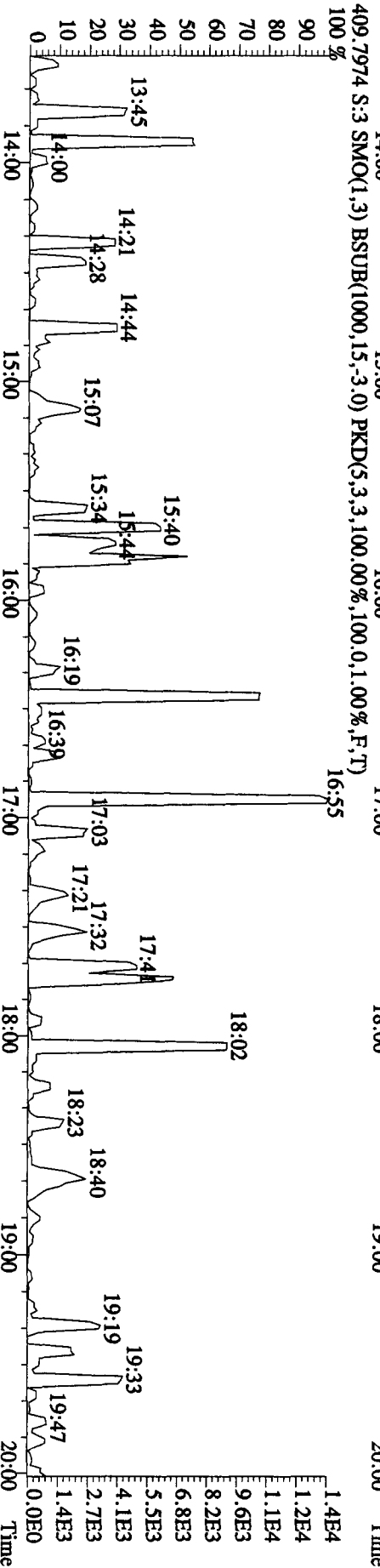
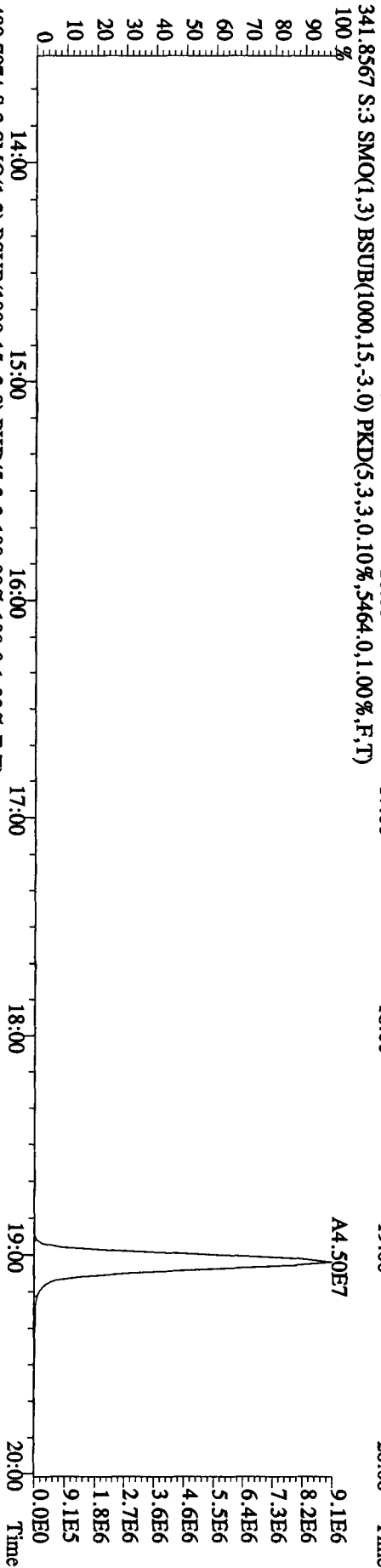
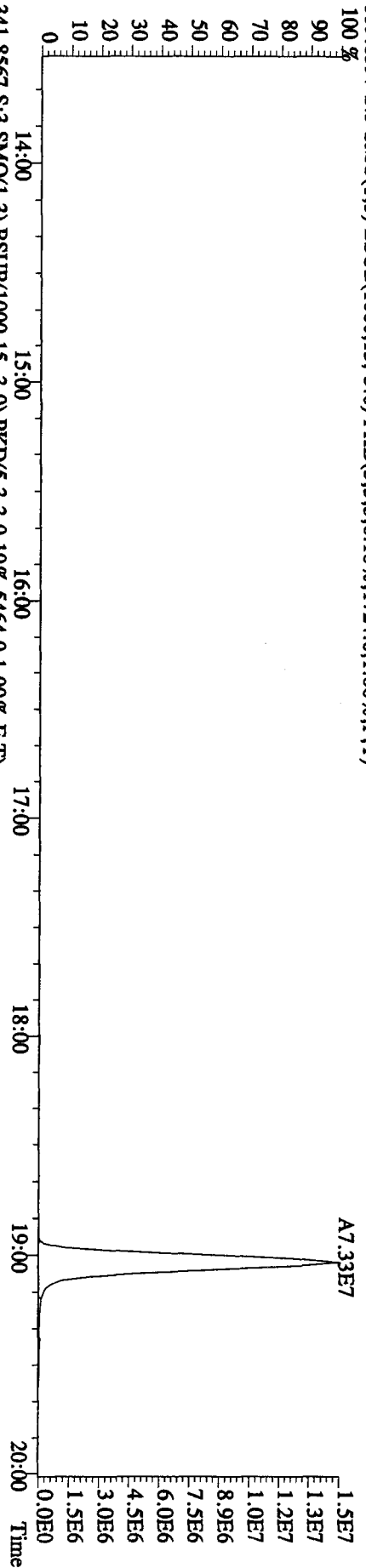


File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1440,0,1,00%,F,T)
 100 %

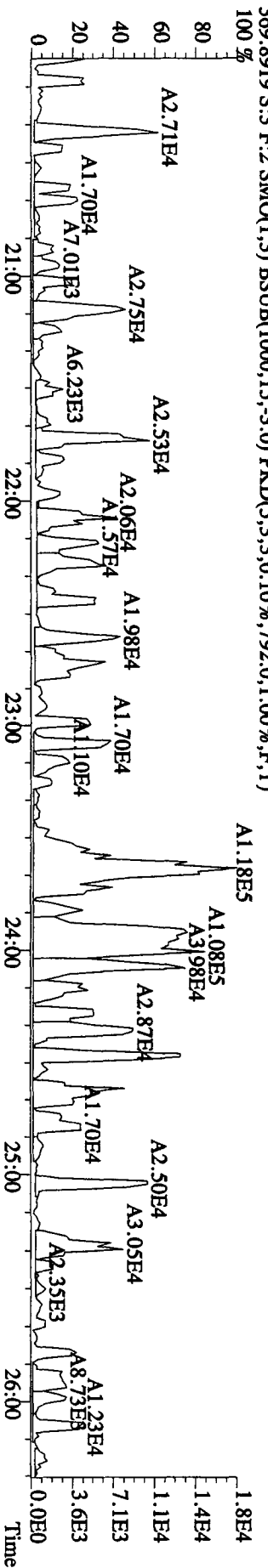
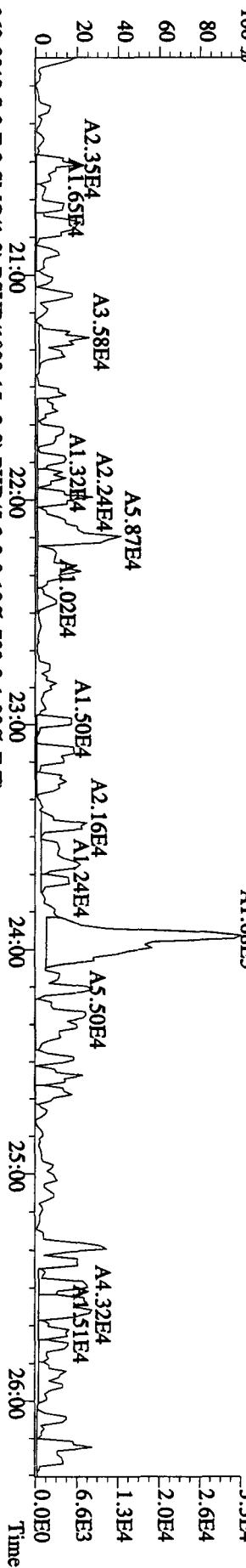
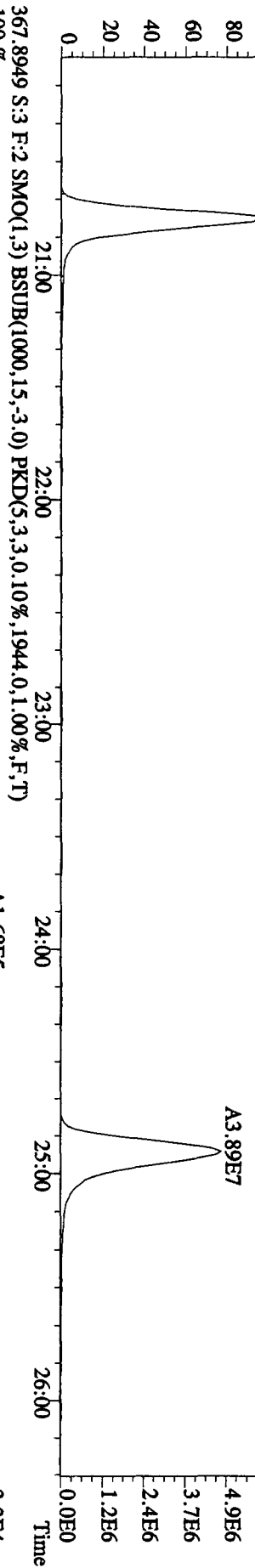
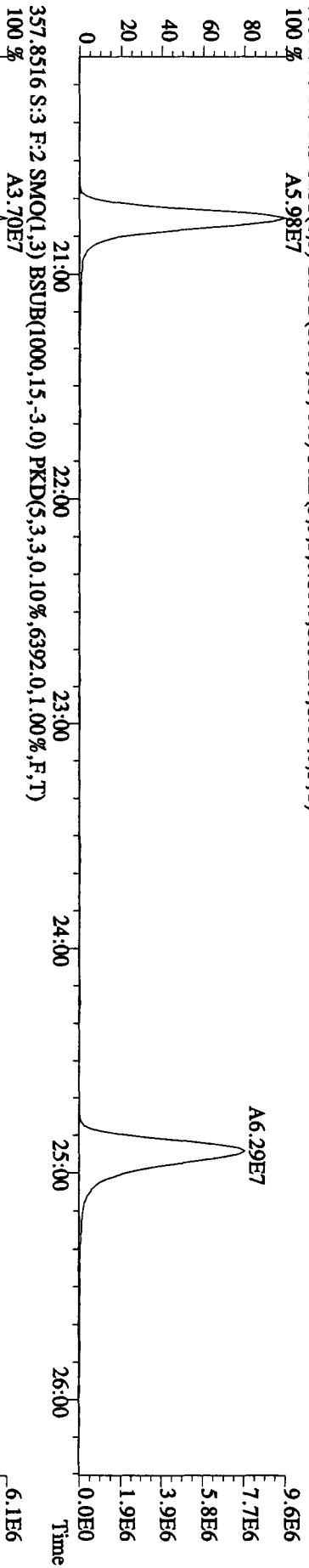




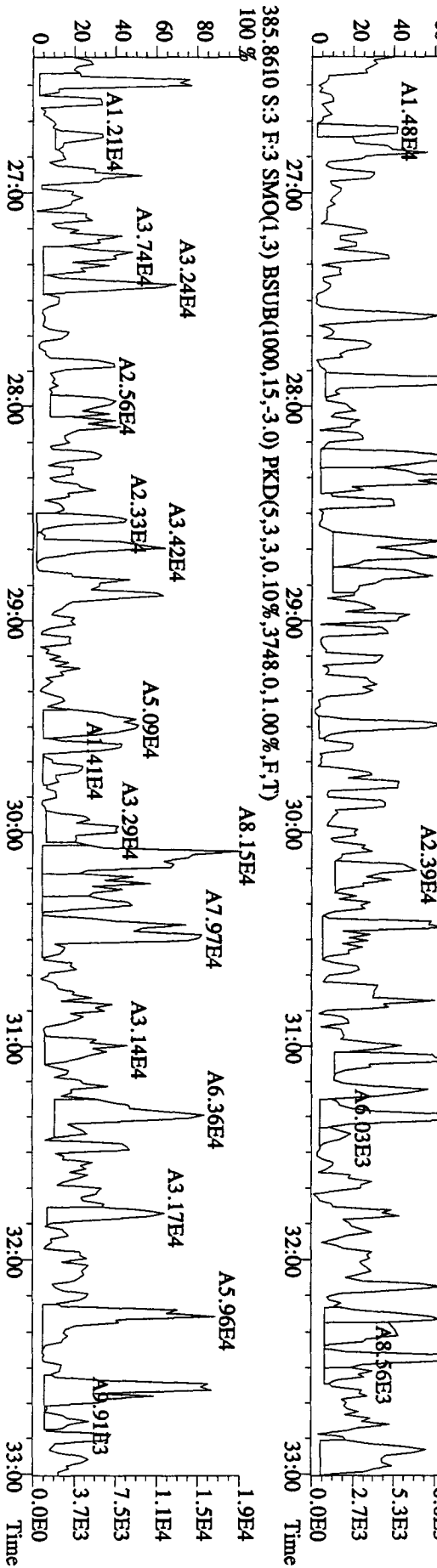
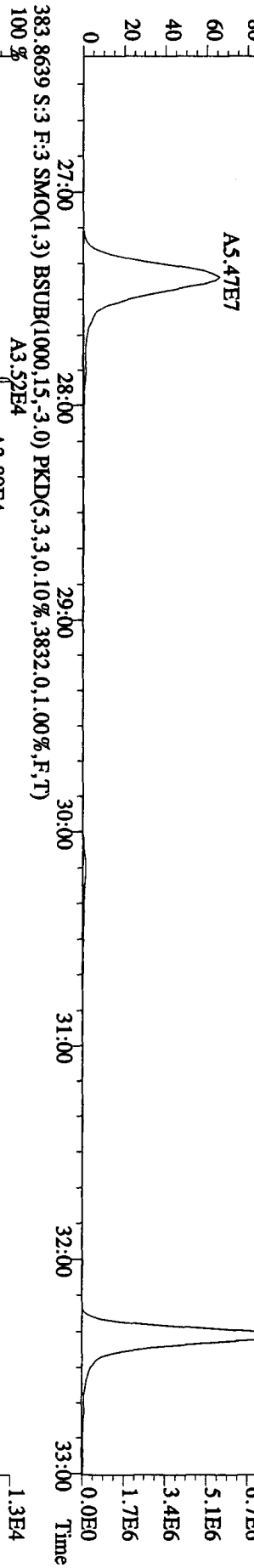
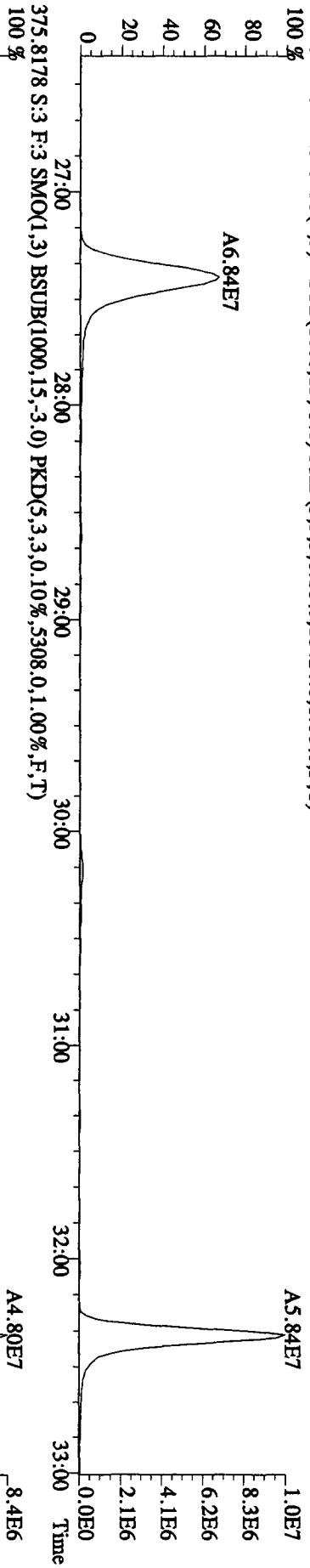
File: 26AP10A1D5 #1-385 Acq: 26-APR-2010 20:26:50 GC EI + Voltage SIR 70SE
 Sample#3 Text: CP0426A :DB-5 CP5M 3732-05 Exp: DIOXIN
 339.8597 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1724,0,1,00%,F,T)



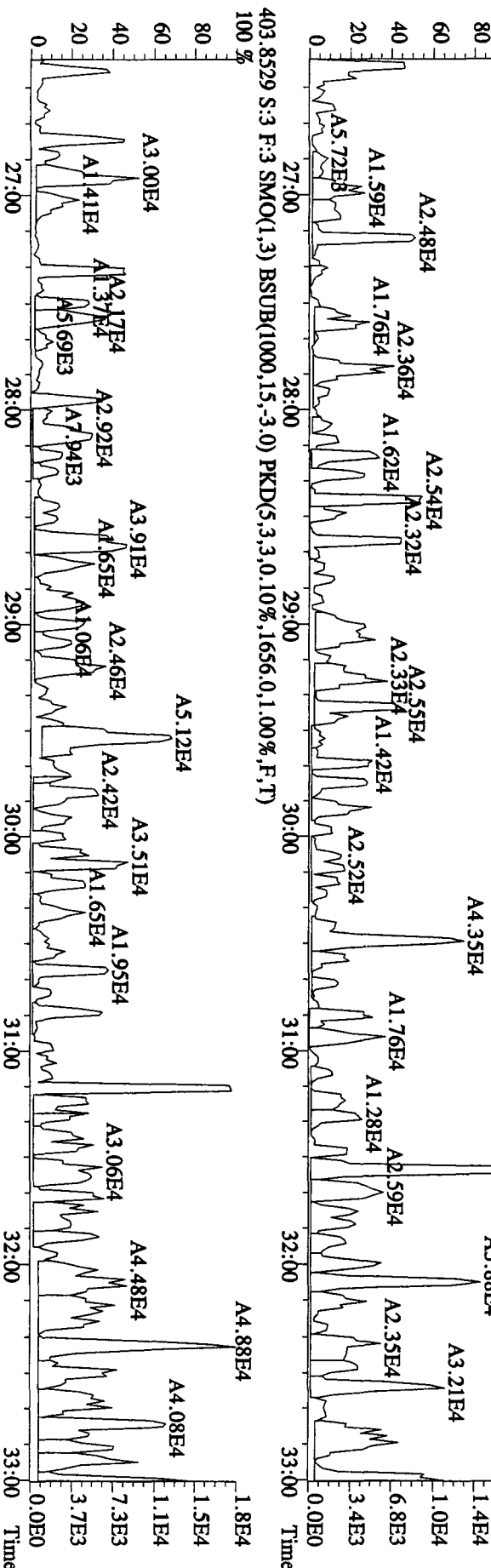
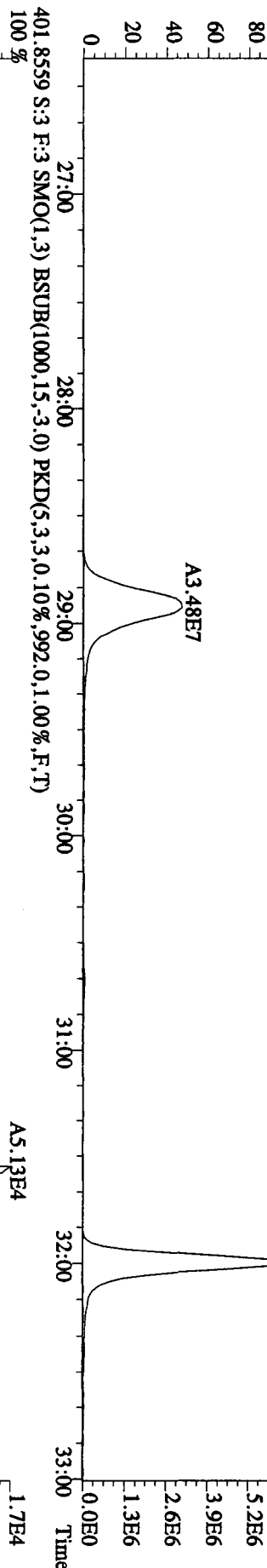
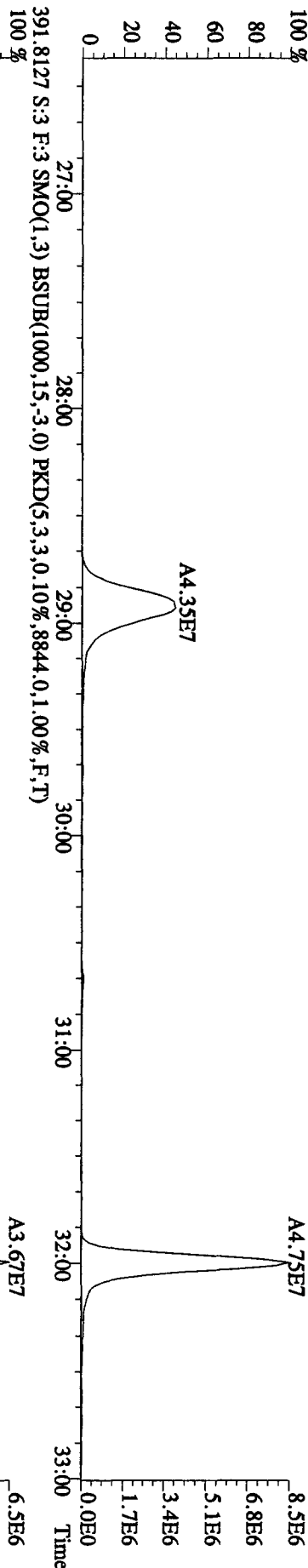
File:26AP10A1D5 #1-444 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CP5M 3732-05 Exp:DIOXIN
 357.8516 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1944.0,1.00%,F,T)
 100 % A5.98E7

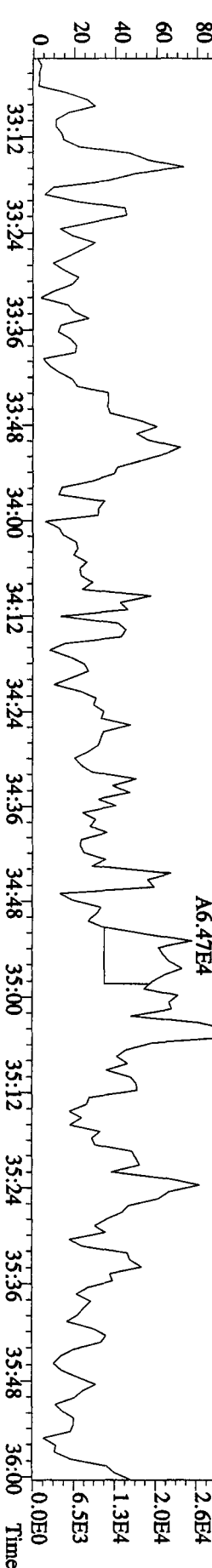
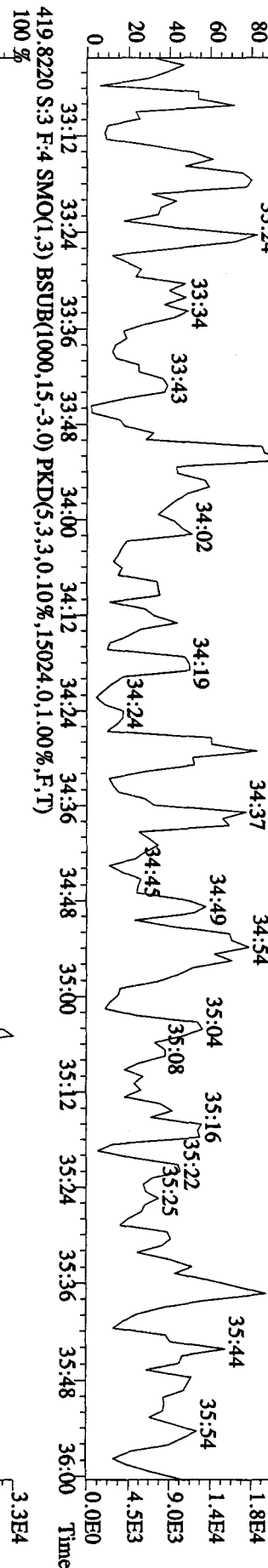
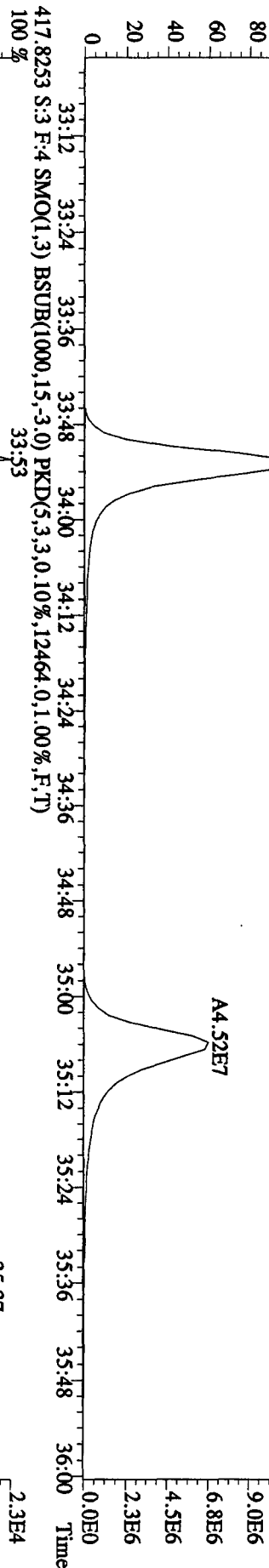
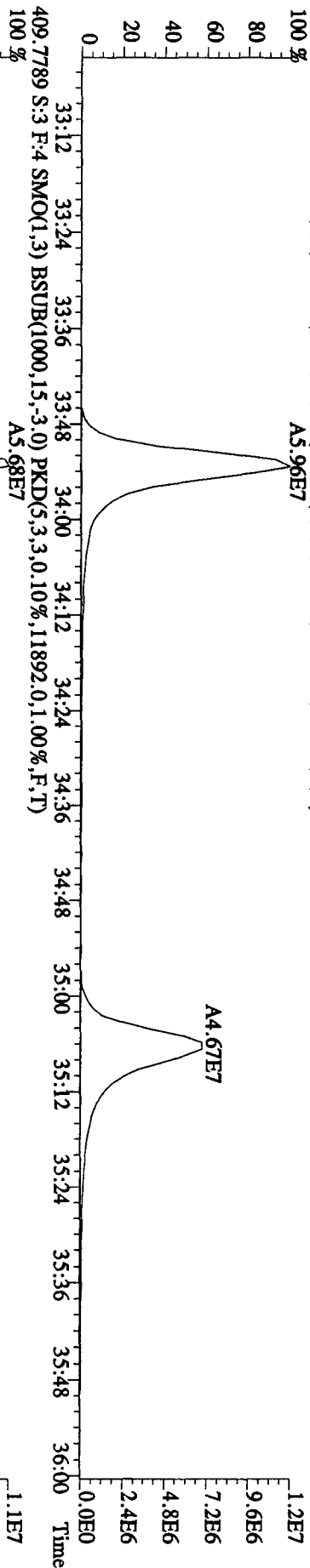


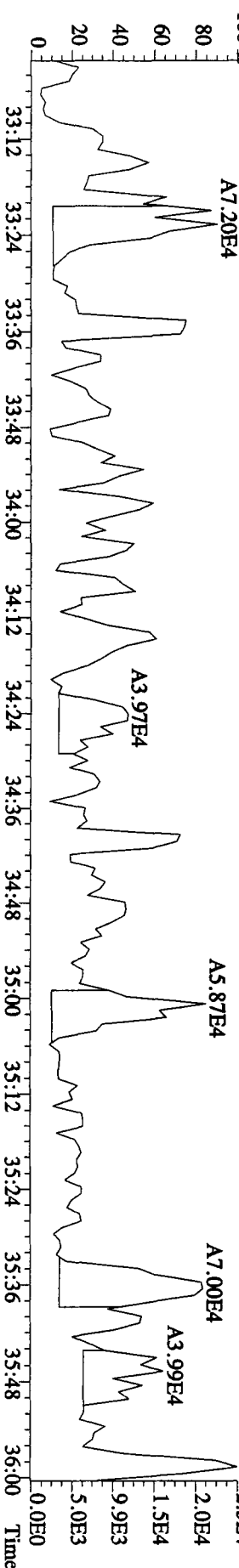
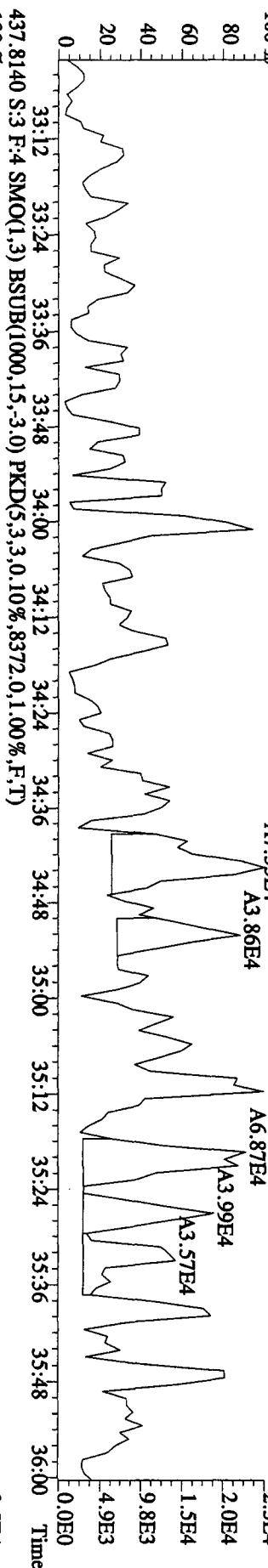
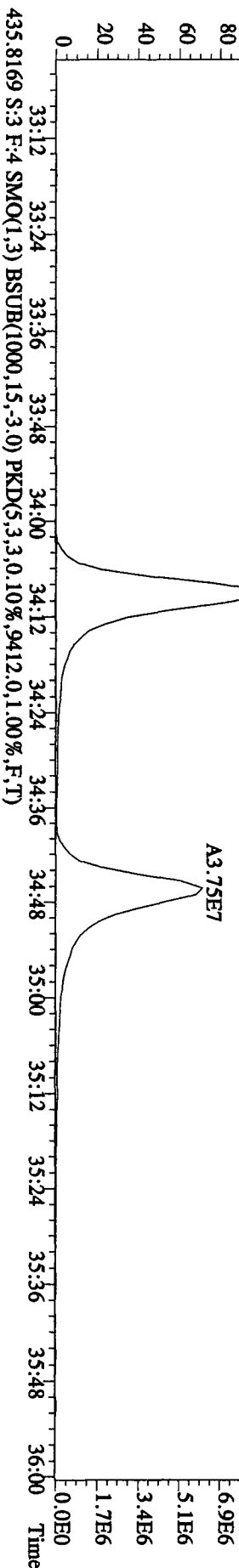
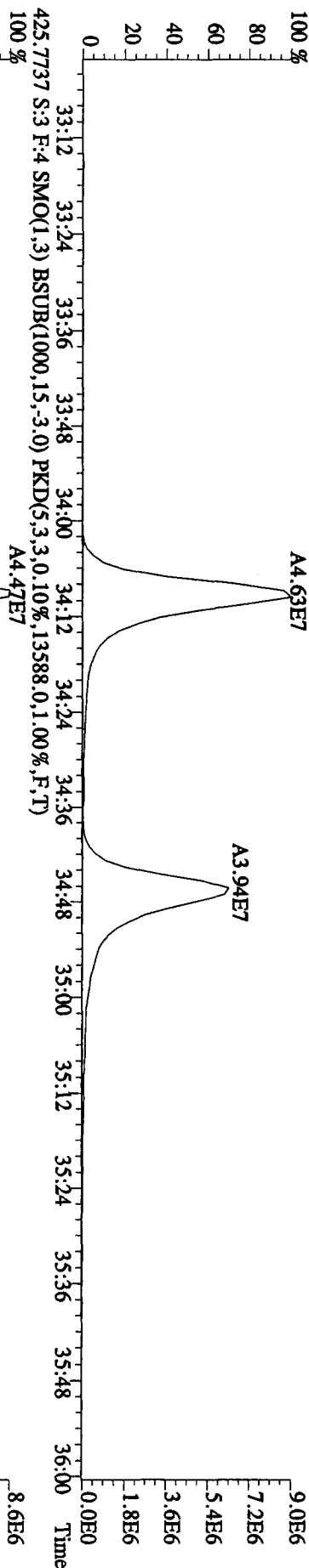
File:26API0A1D5 #1-447 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10424,0,1,00%,F,T)
 100 %



File:26AP10A1D5 #1-447 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE
 Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN
 389.8157 S:3 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4156,0.1,00%,F,T)
 100 %



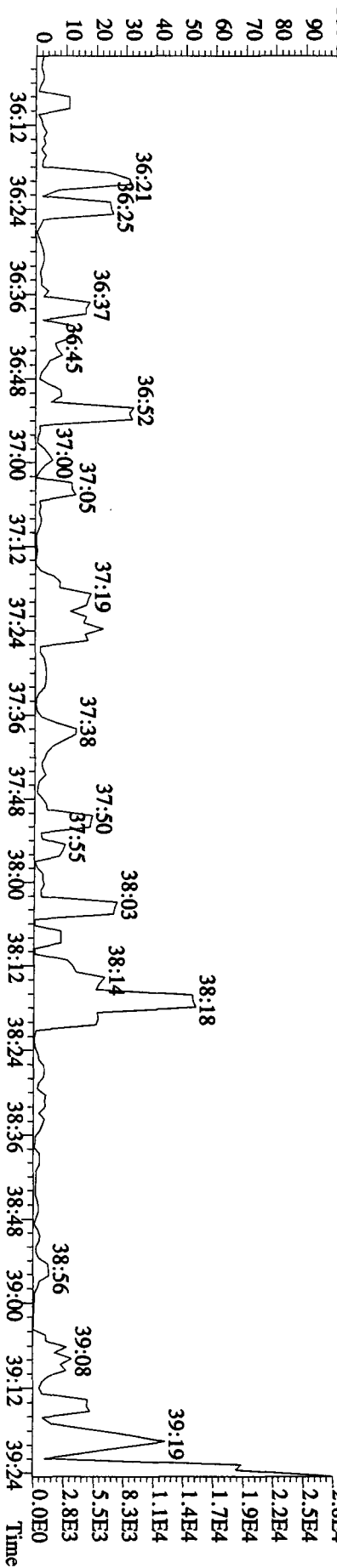
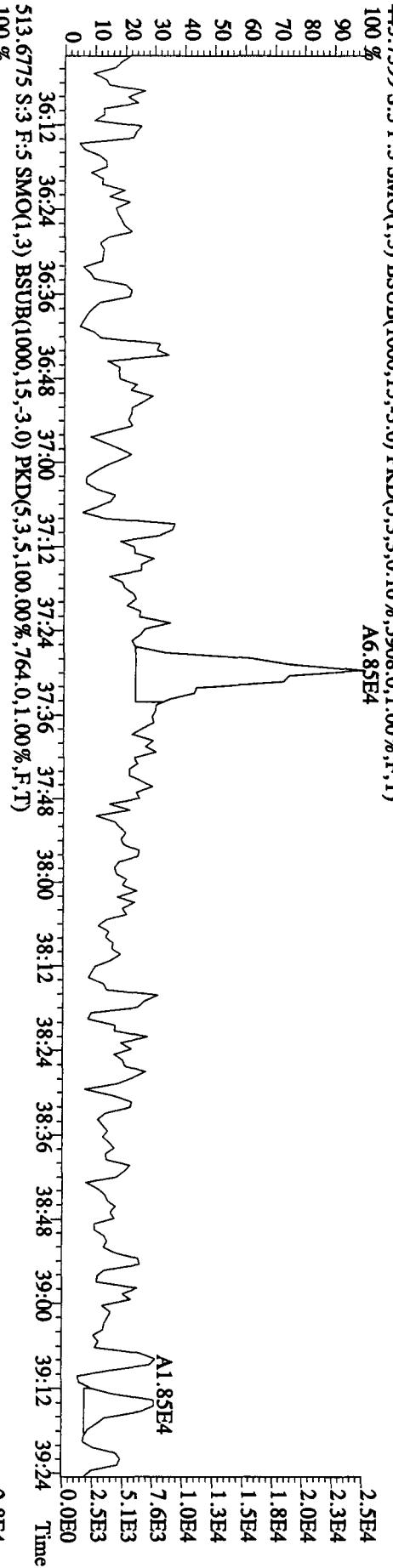
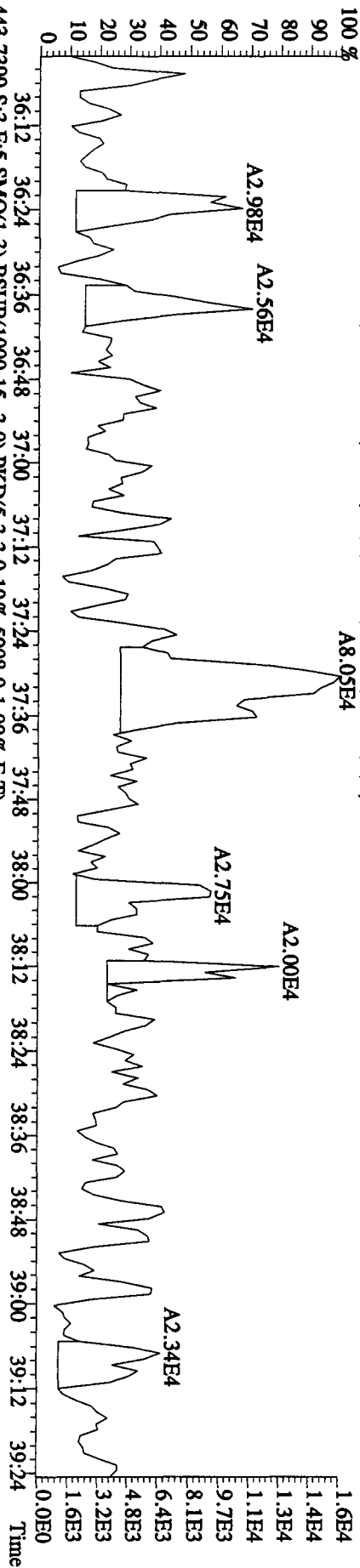




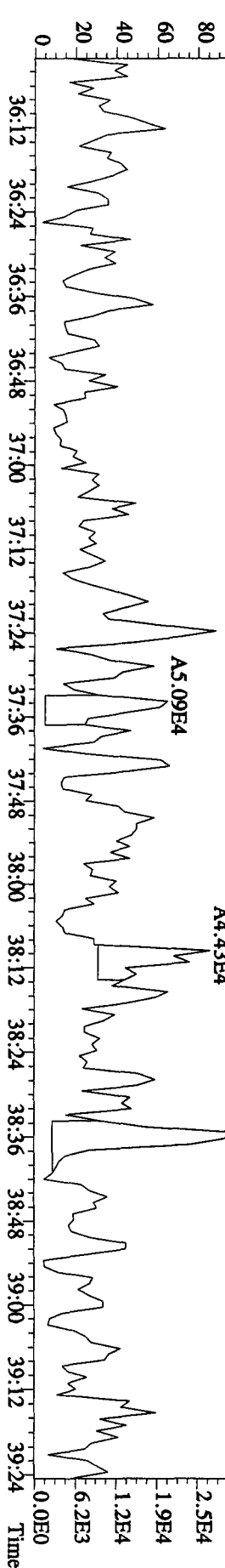
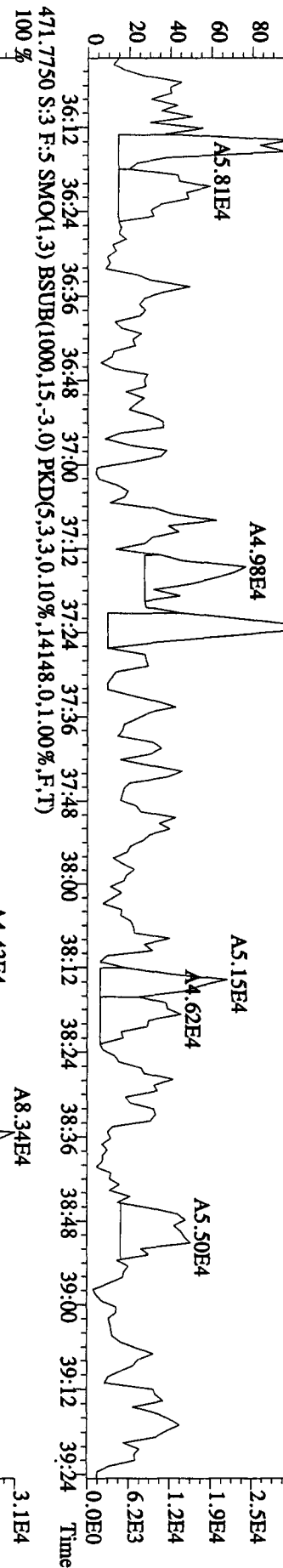
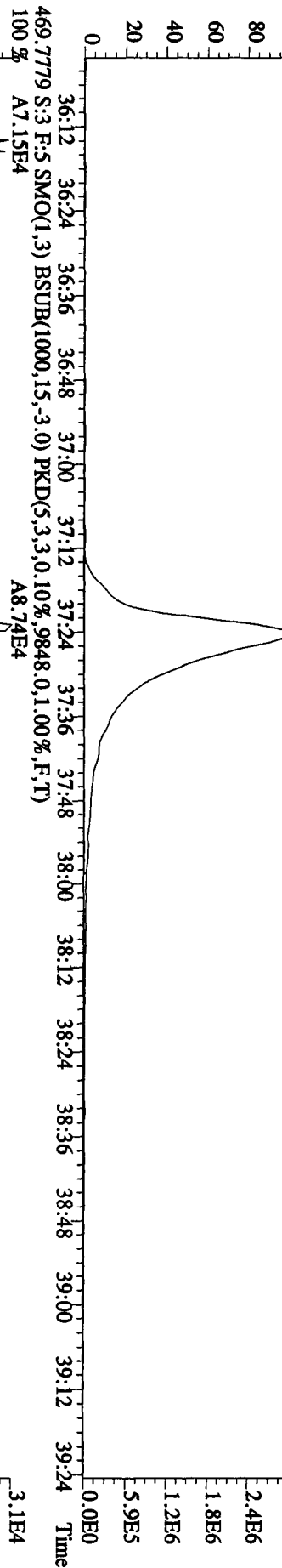
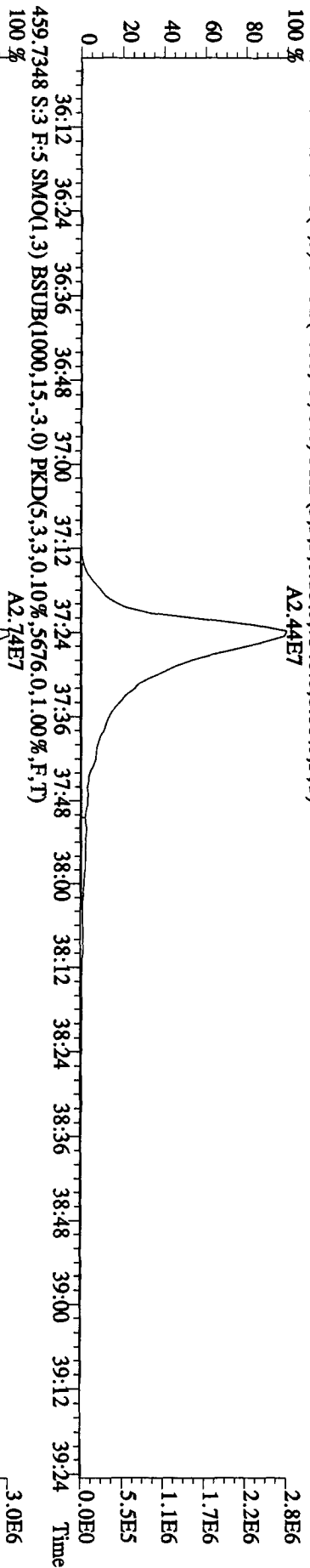
File:26AP10A1D5 #1-244 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE

Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN

441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,4604,0.1,00%,F,T)



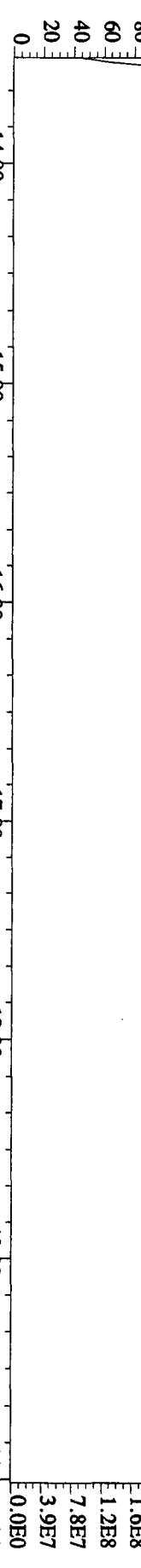
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7340,0.1,00%,F,T)



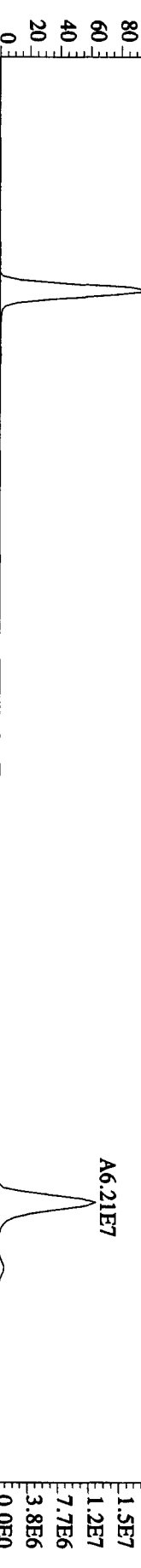
File:26AP10A1D5 #1-385 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE

Sample#3 Text:CP0426A :DB-5 CPM 3732-05 Exp:DIOXIN

292.9825 S:3 SMO(1,3) PKD(5,3,5,100,00%,0,0,1,00%,F,T)



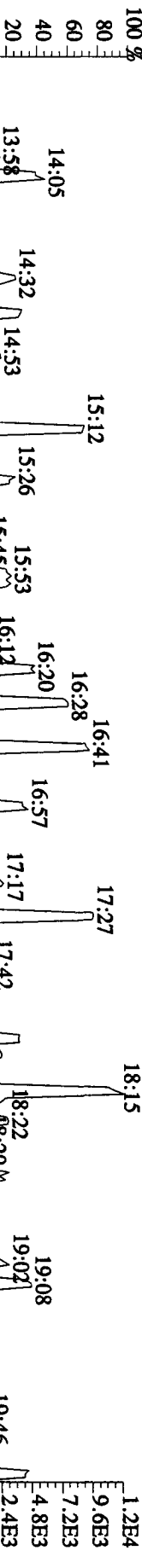
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6252,0,1,00%,F,T)



305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5200,0,1,00%,F,T)



375.8364 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,696,0,1,00%,F,T)



330.9792 S:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

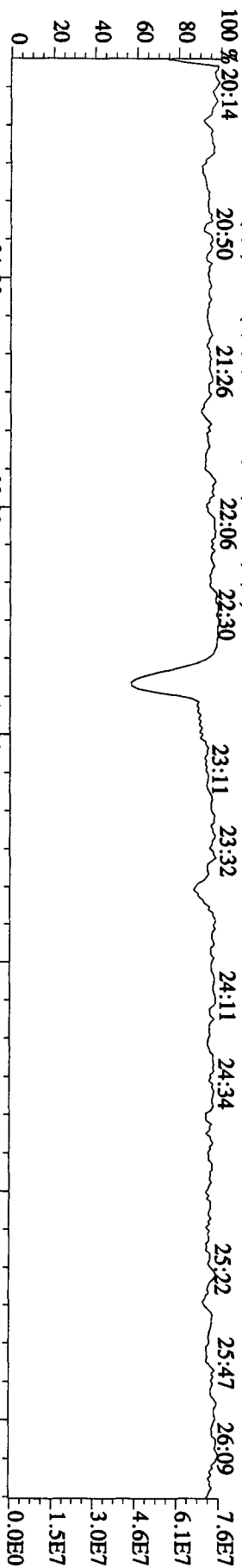


File:26API0A1D5 #1-444 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE

Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN

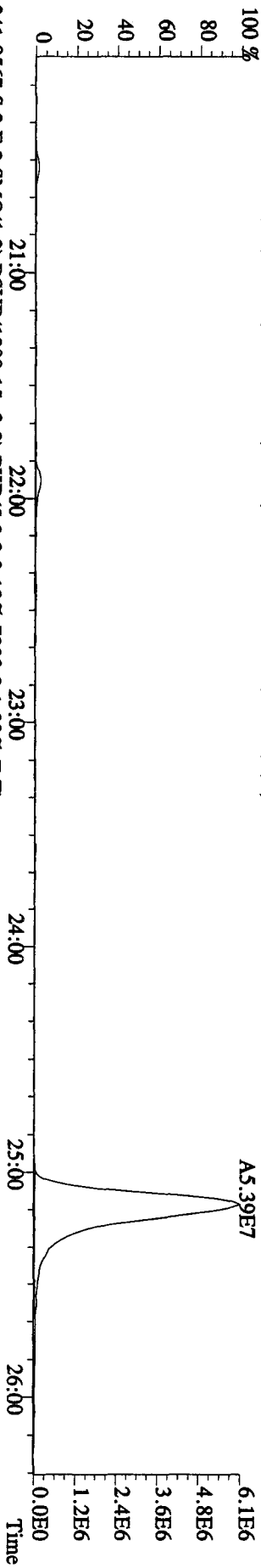
342.9792 S:3 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100 % 20:14



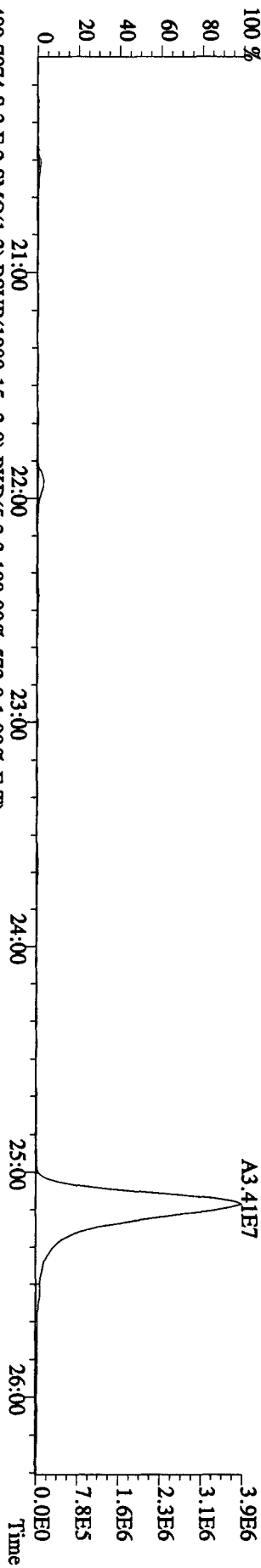
339.8597 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,7852.0,1.00%,F,T)

100 %



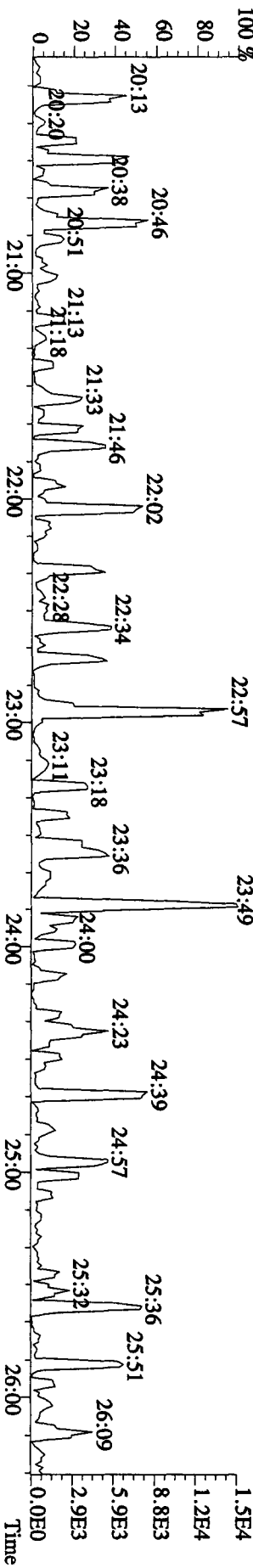
341.8567 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,7320.0,1.00%,F,T)

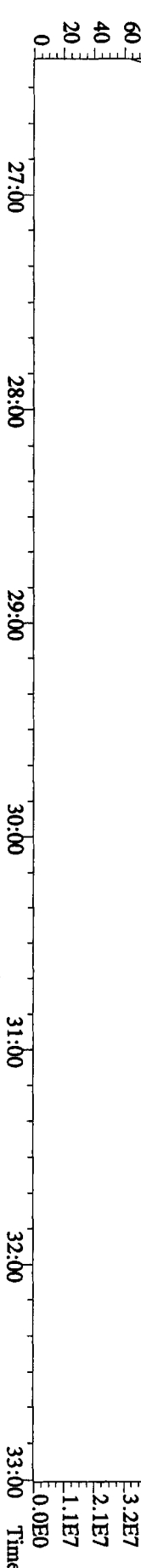
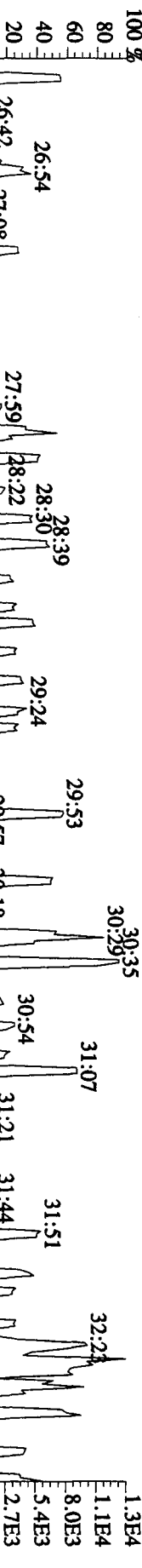
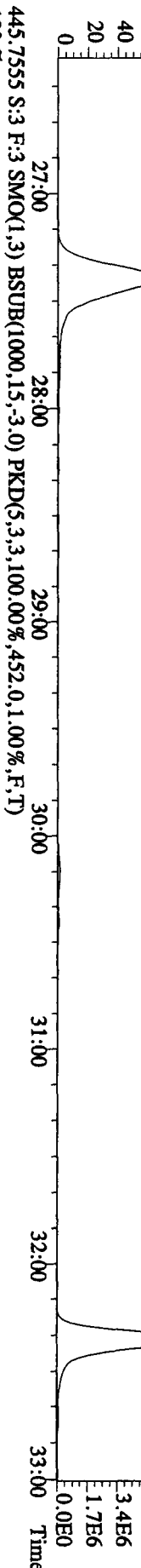
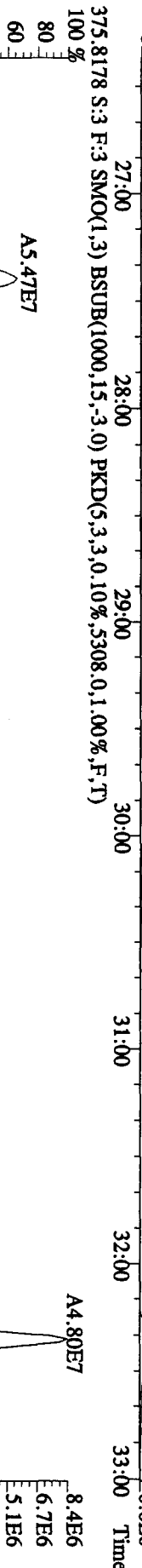
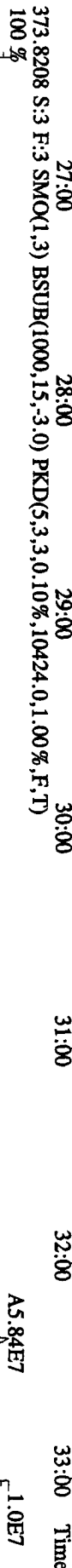
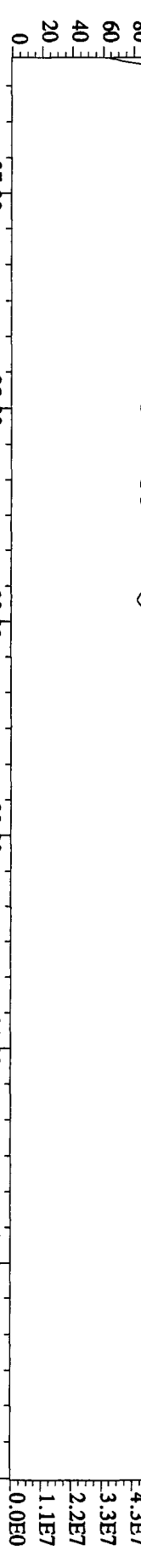
100 %



409.7974 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,572.0,1.00%,F,T)

100 %



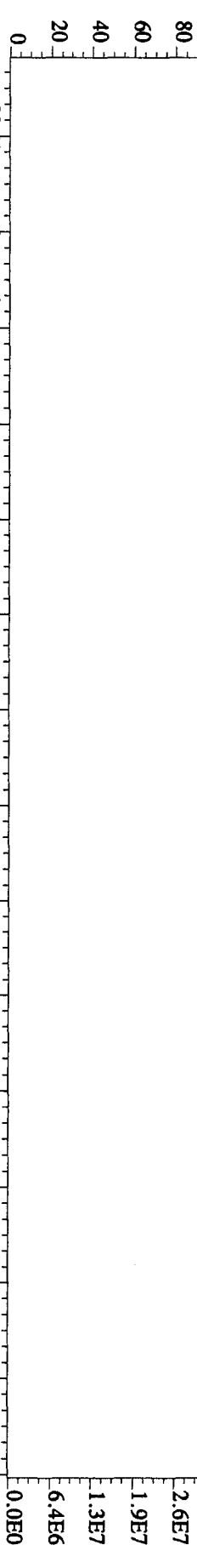


File:26API0AIDS #1-210 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE

Sample#3 Text:CP0426A :DB-5 CPSM 3732-05 Exp:DIOXIN

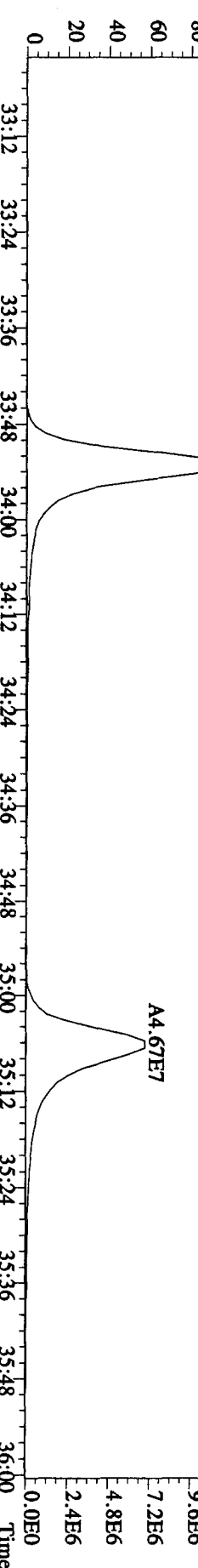
430.9728 S:3 F:4 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100 % 33:20 33:37 33:57 34:13 34:36 34:45 34:55 35:14 35:39 35:53 3:2E7



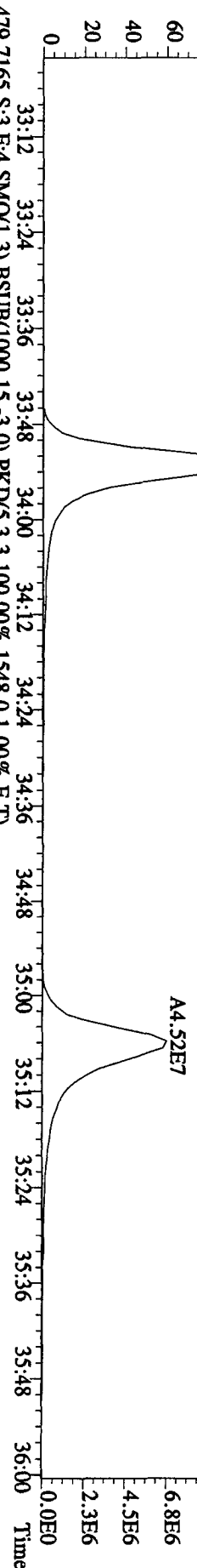
407.7818 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,18596.0,1.00%,F,T)

100 % 33:20 33:37 33:57 34:13 34:36 34:45 34:55 35:14 35:39 35:53 3:2E7



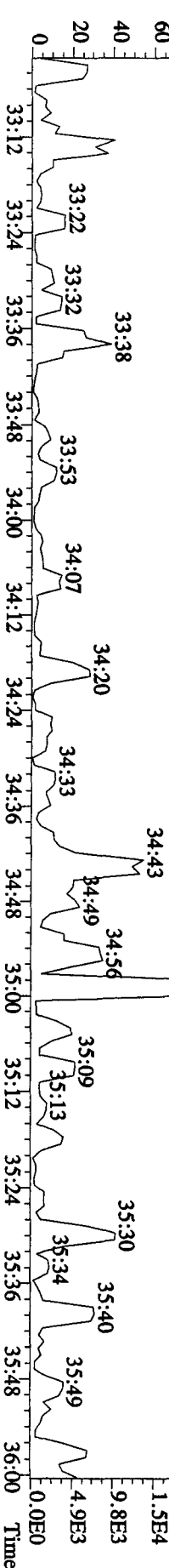
409.7789 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,11892.0,1.00%,F,T)

100 % 33:20 33:37 33:57 34:13 34:36 34:45 34:55 35:14 35:39 35:53 3:2E7



479.7165 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,1548.0,1.00%,F,T)

100 % 33:20 33:37 33:57 34:13 34:36 34:45 34:55 35:14 35:39 35:53 3:2E7



File:26AP10A1ID5 #1-244 Acq:26-APR-2010 20:26:50 GC EI+ Voltage SIR 70SE

Sample#3 Text:CP0426A :DB-5 C/PSM 3732-05 Exp:DIOXIN

454.9728 S:3 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

100 % 36:22 36:34 36:48 37:00 37:11 37:25

36:12 36:24 36:36 36:48 37:00 37:12 37:24

36:07 36:23 36:35 36:50 37:10 37:35

37:35 37:55 38:14 38:28 38:39

38:12 38:24 38:36 38:48 39:00 39:12

38:17 38:31 38:55 39:06 39:17

38:55 39:06 39:17 39:24

39:06 39:17 39:24

39:17 39:24

39:24

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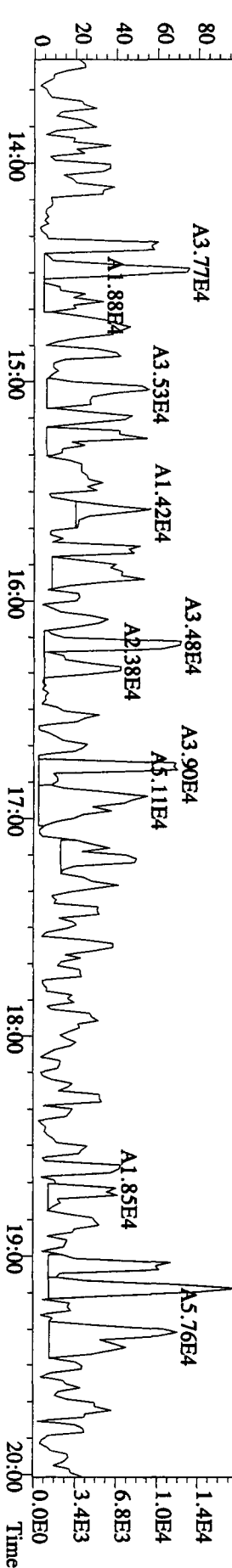
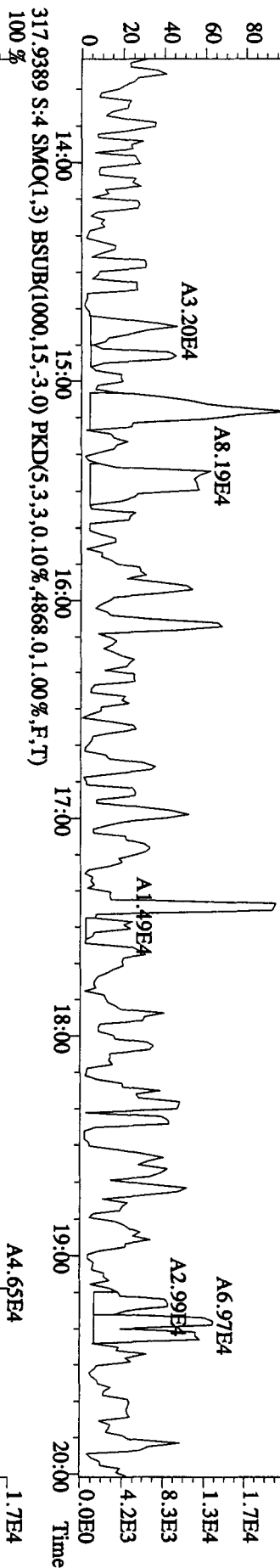
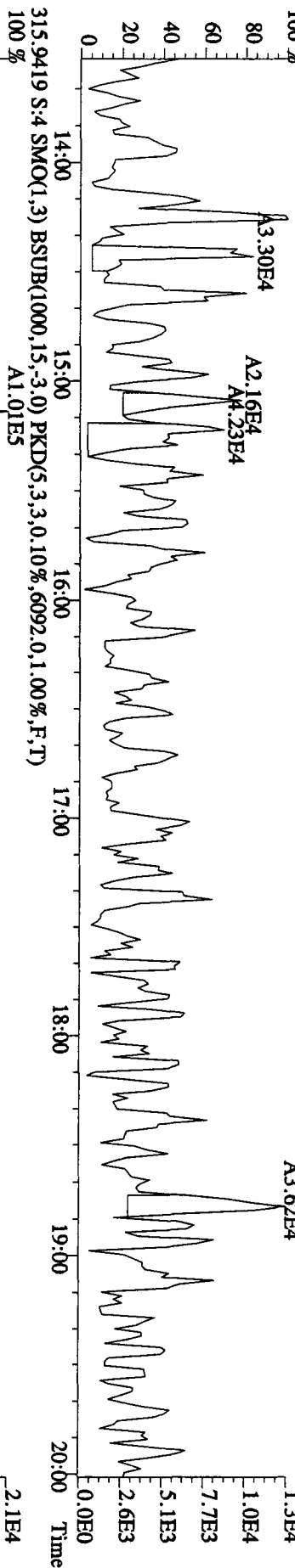
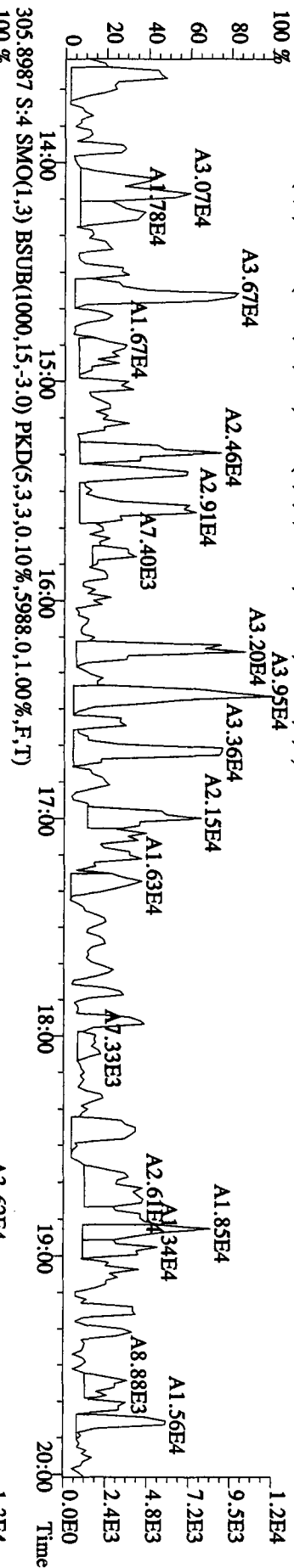
39:24

3.1E7
2.8E7
2.5E7
2.2E7
1.9E7
1.6E7
1.2E7
9.3E6
6.2E6
3.1E6
0.0E0

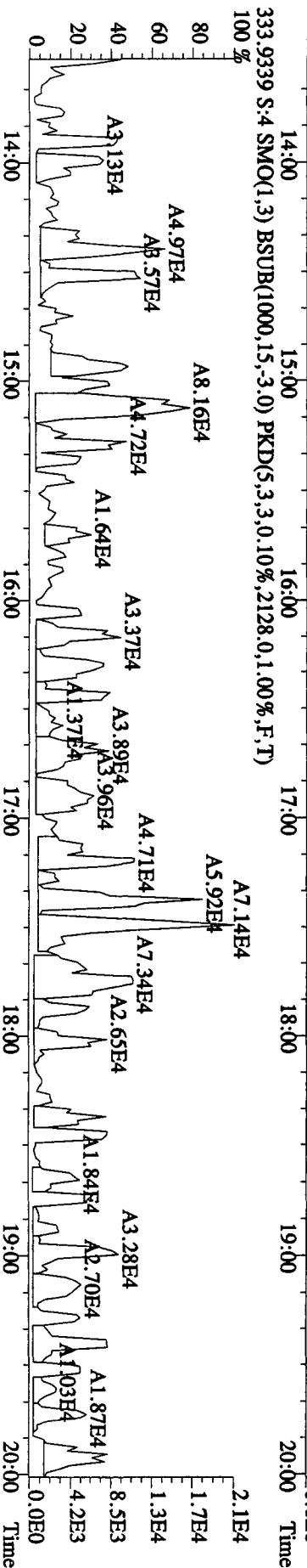
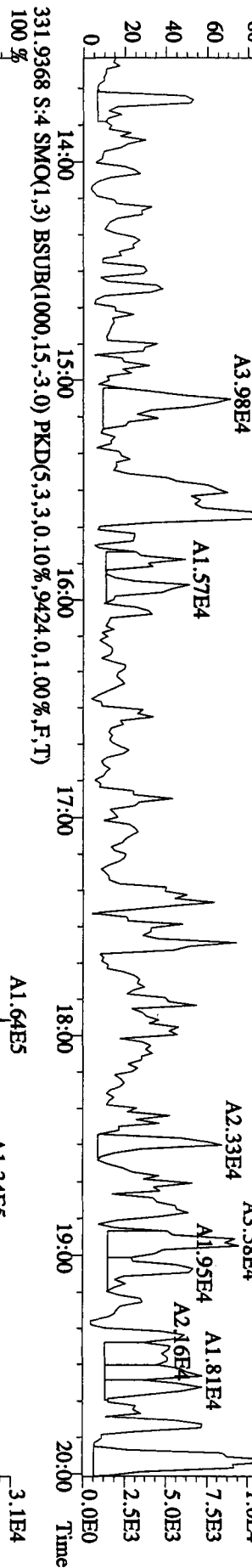
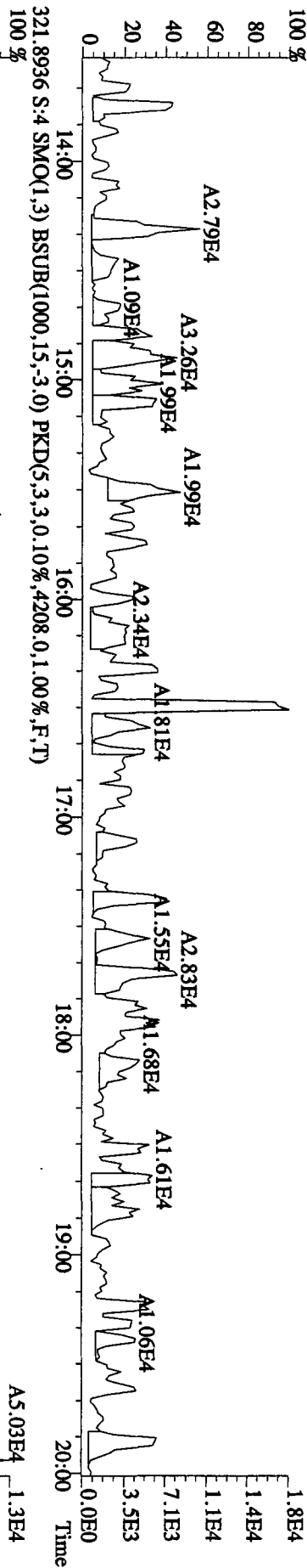
3.8E7
3.4E7
3.1E7
2.7E7
2.3E7
1.9E7
1.5E7
1.1E7
7.6E6
3.8E6
0.0E0

Time

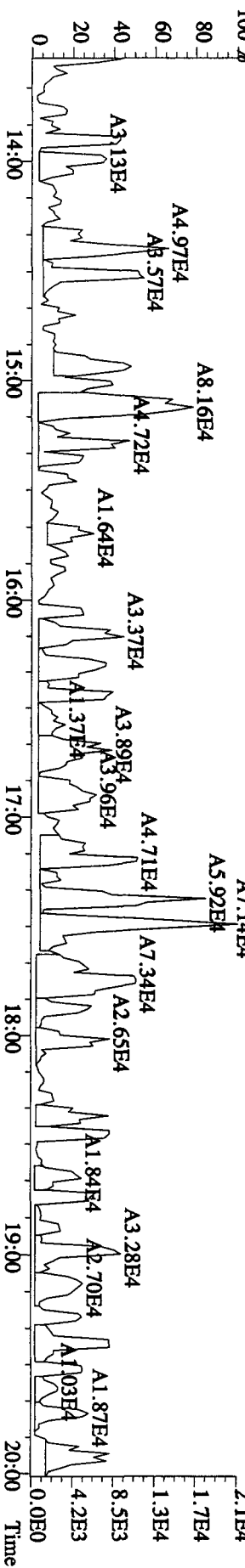
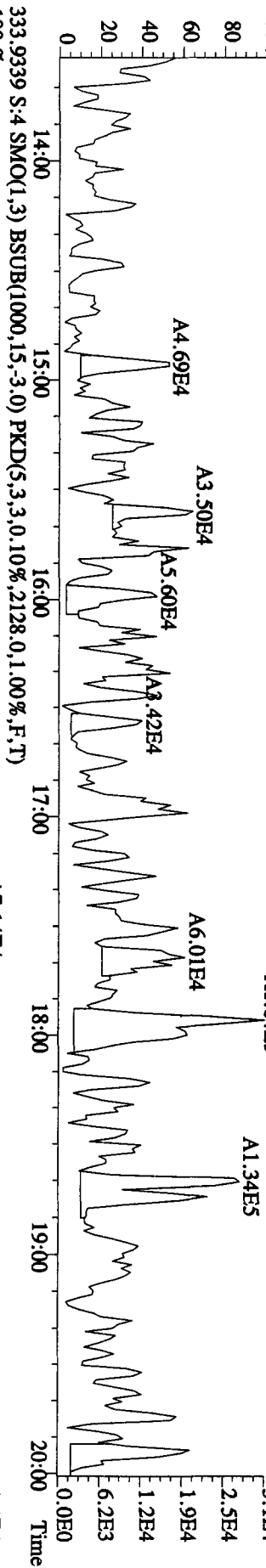
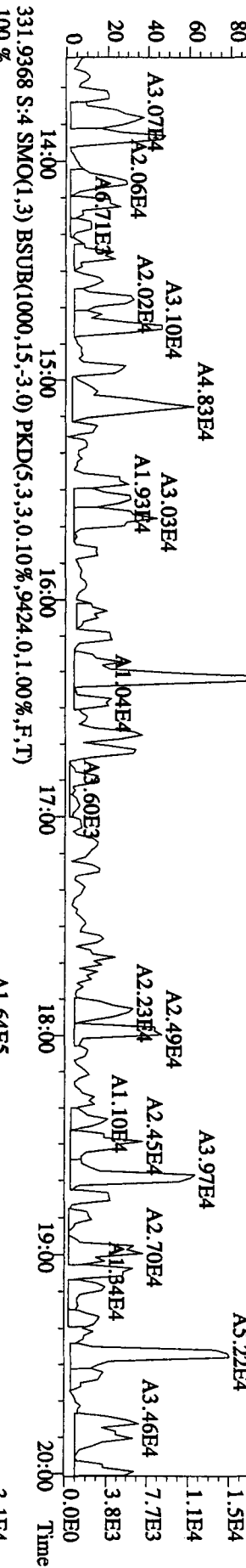
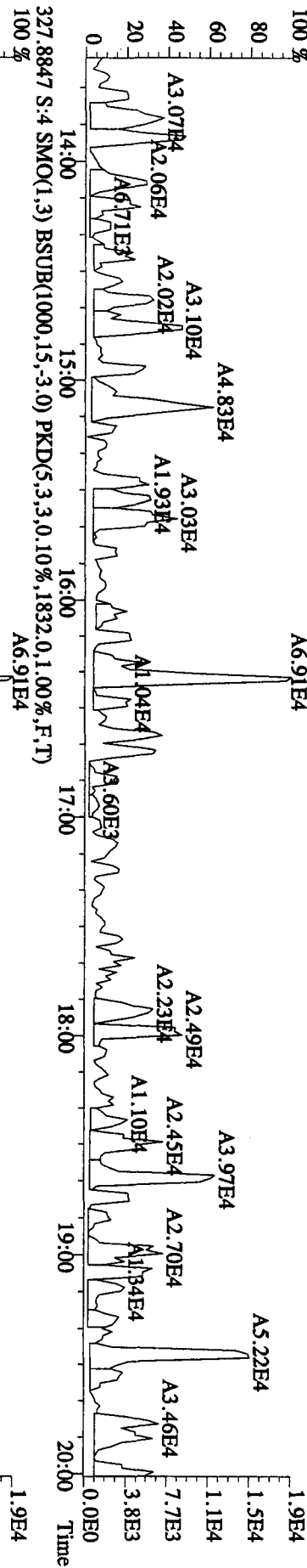
File:26API0A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2180,0.1,00%,F,T)



File:26AP10A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2096,0.1,00%,F,T)
 100 %



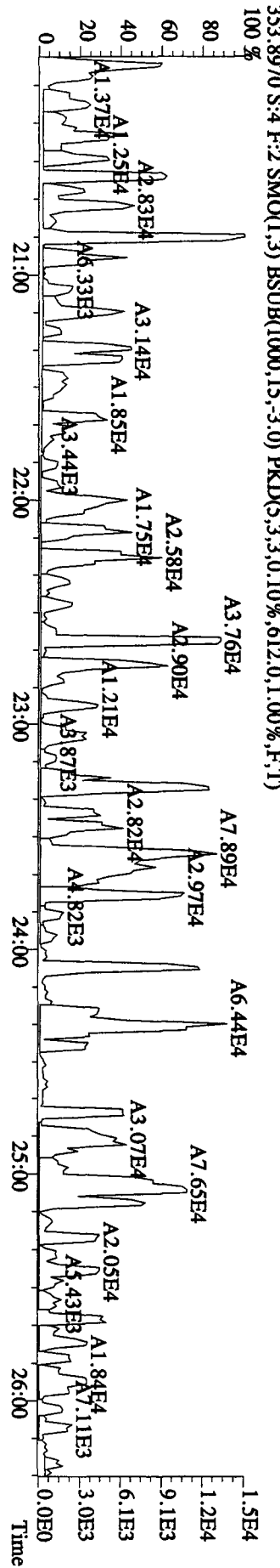
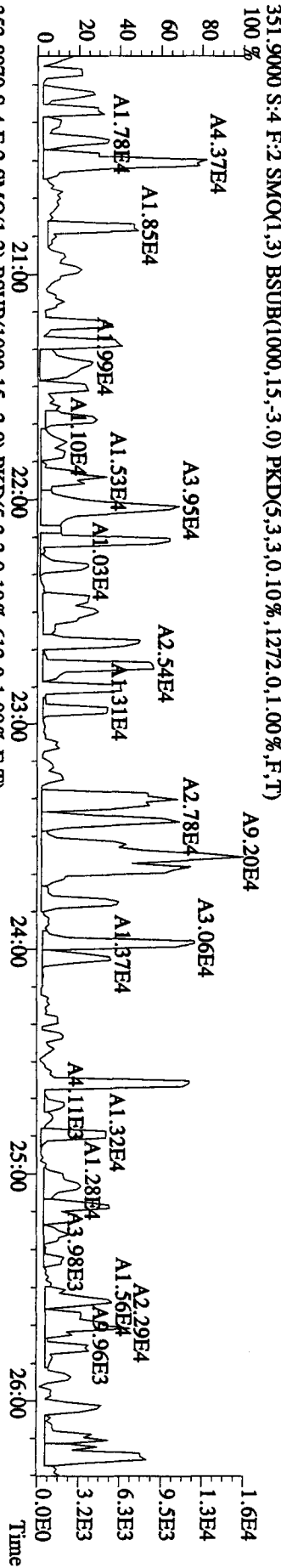
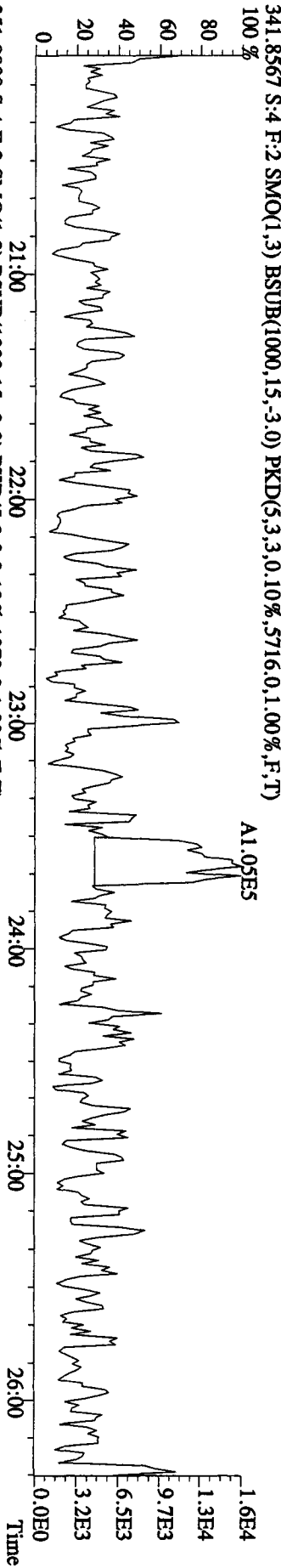
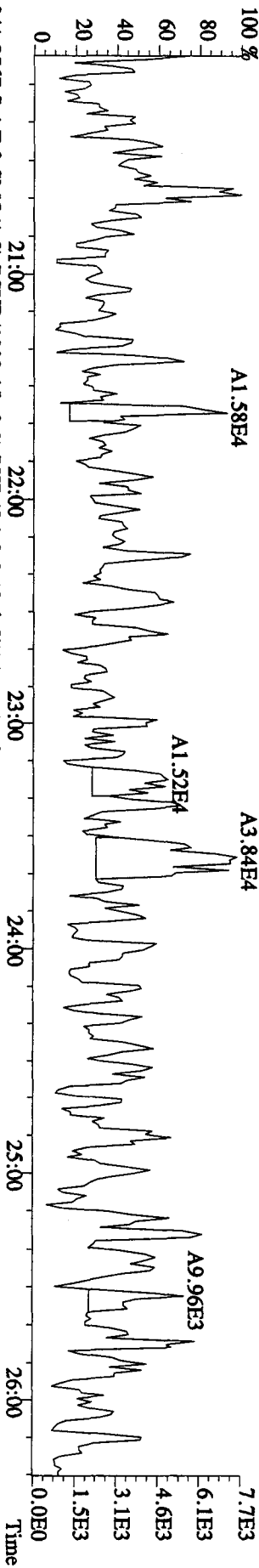
File:26API0A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI + Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1832,0,1.00%,F,T) A6.91E4



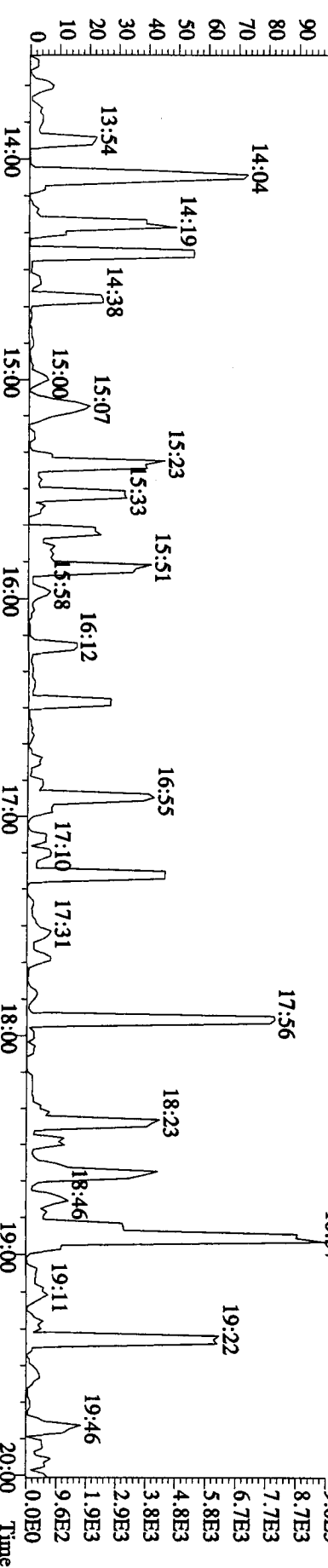
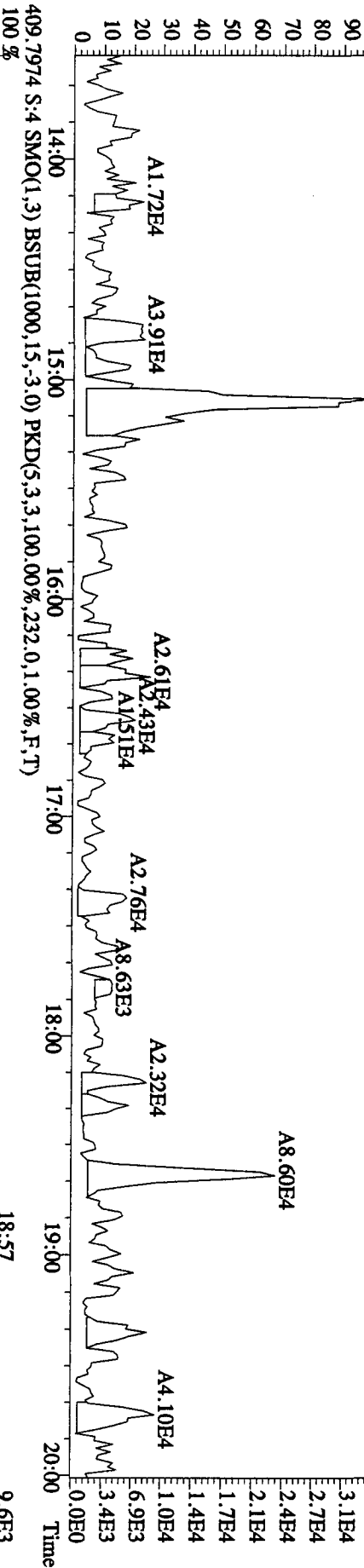
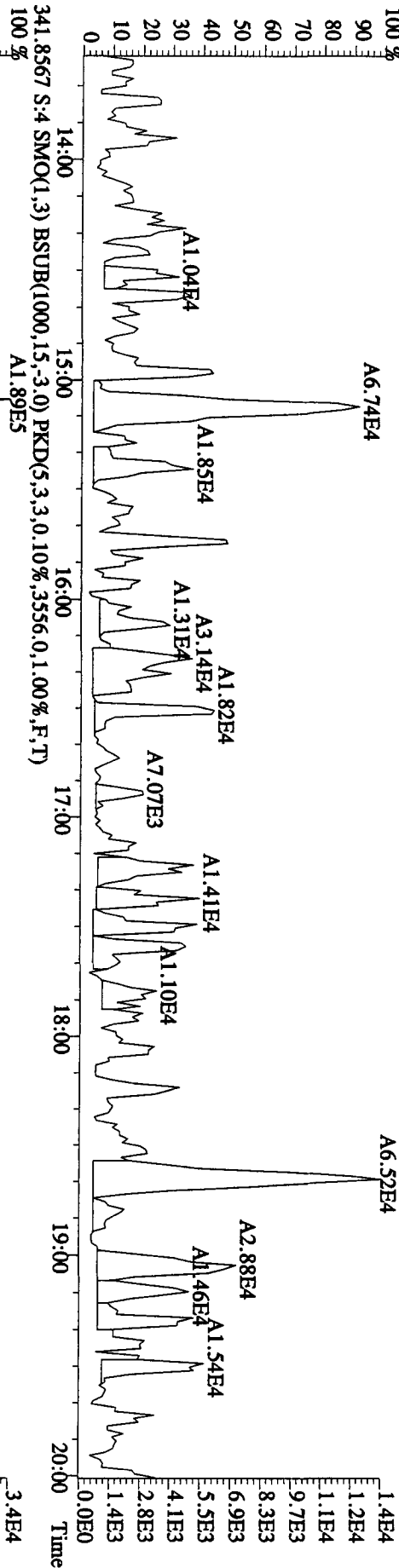
File:26AP10A1D5 #1.444 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE

Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3524,0,1,00%,F,T)



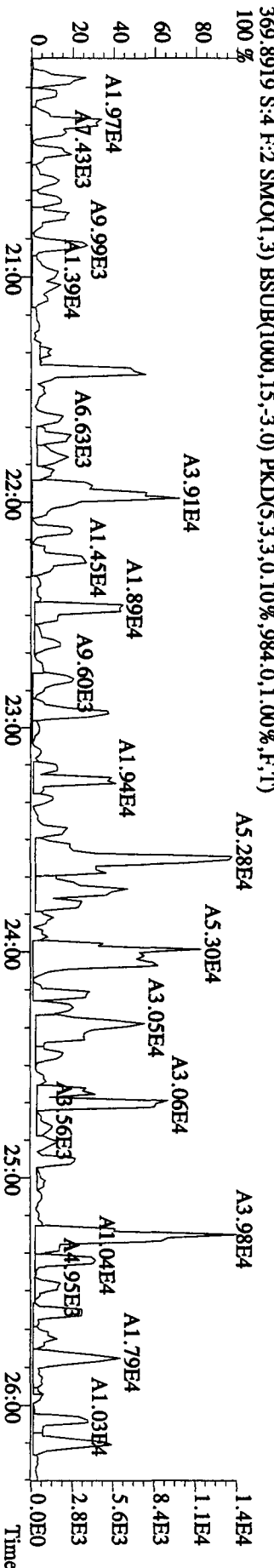
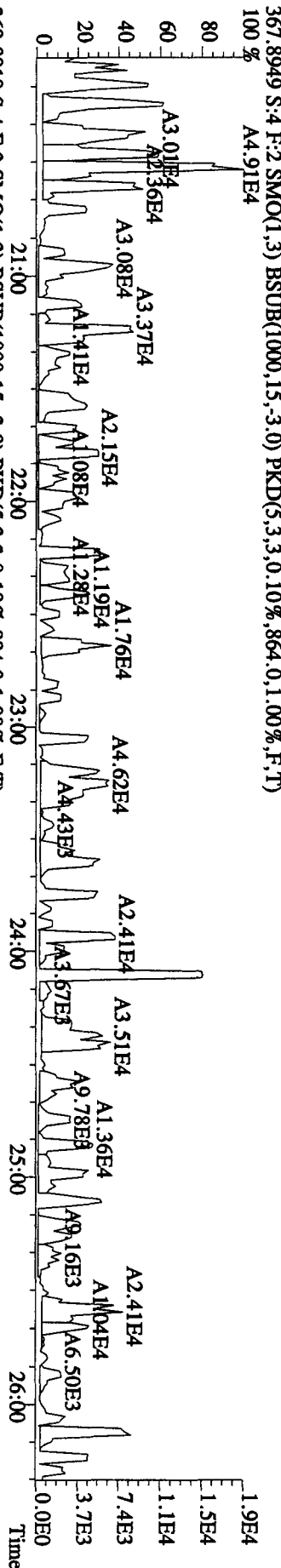
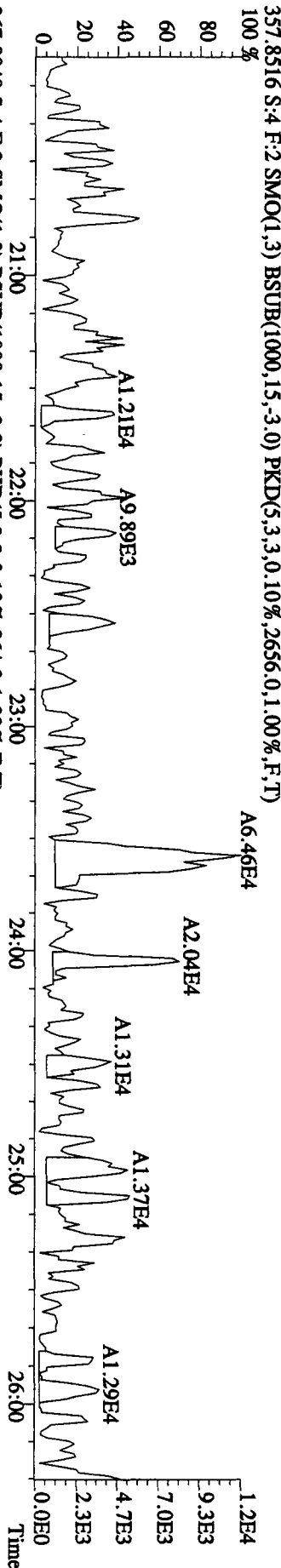
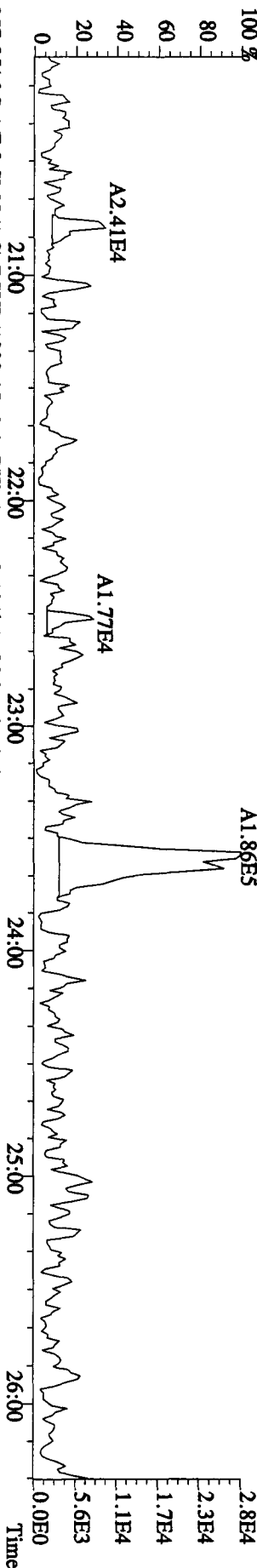
File:26API010AID5 #1-384 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 339.8597 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1824.0,1.00%,F,T)



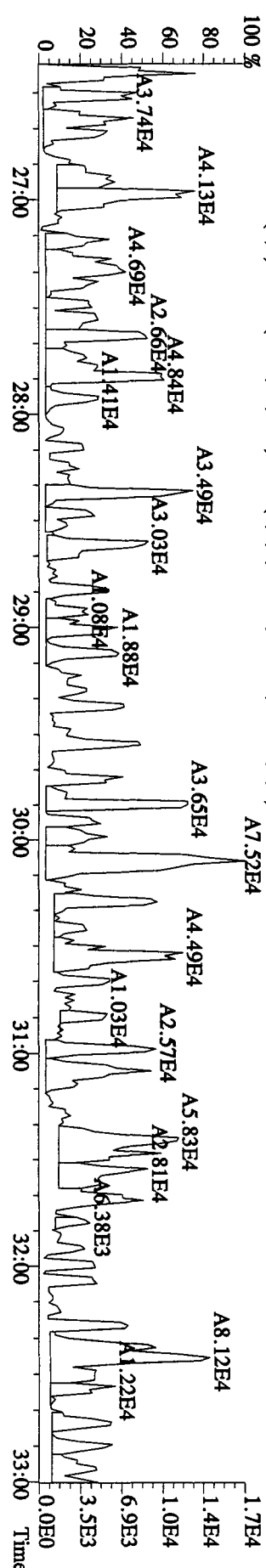
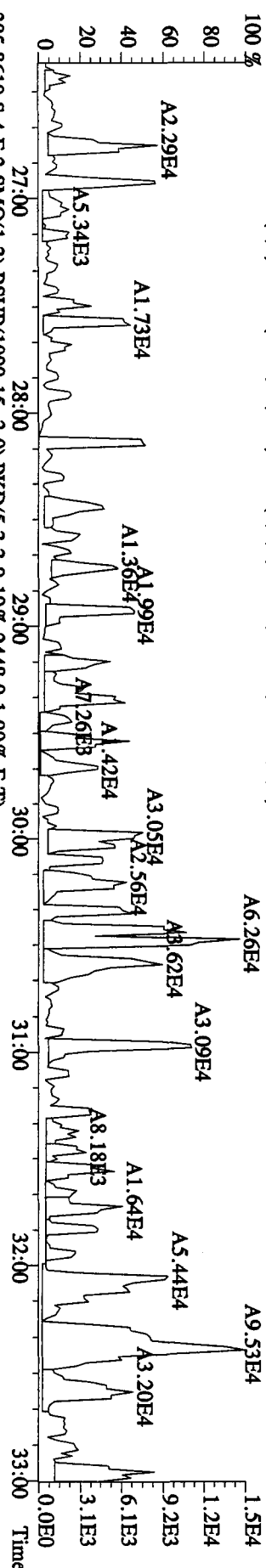
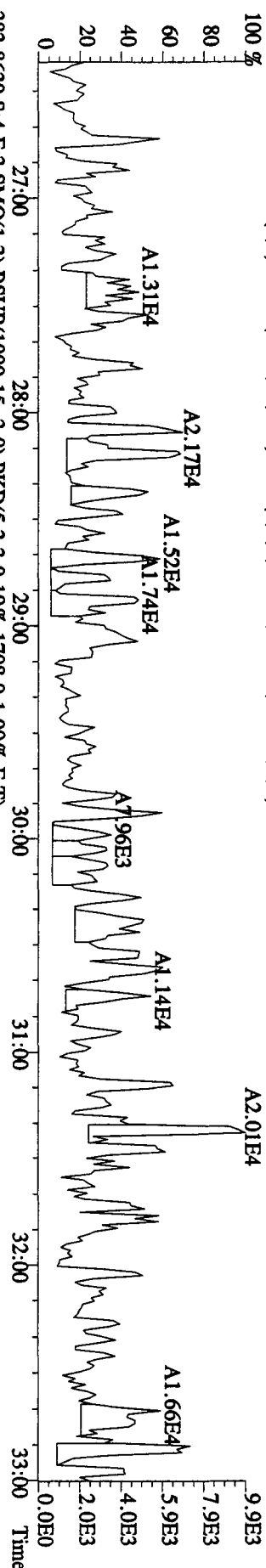
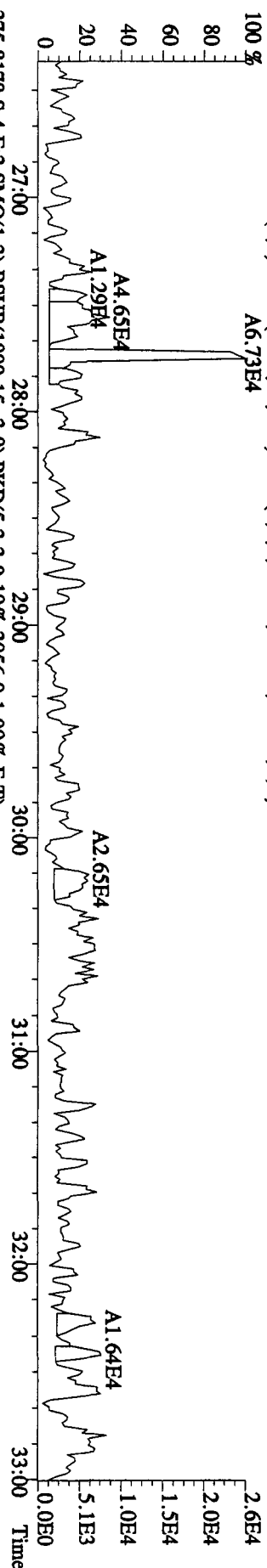
File:26AP10A1D5 #1-444 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE

Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

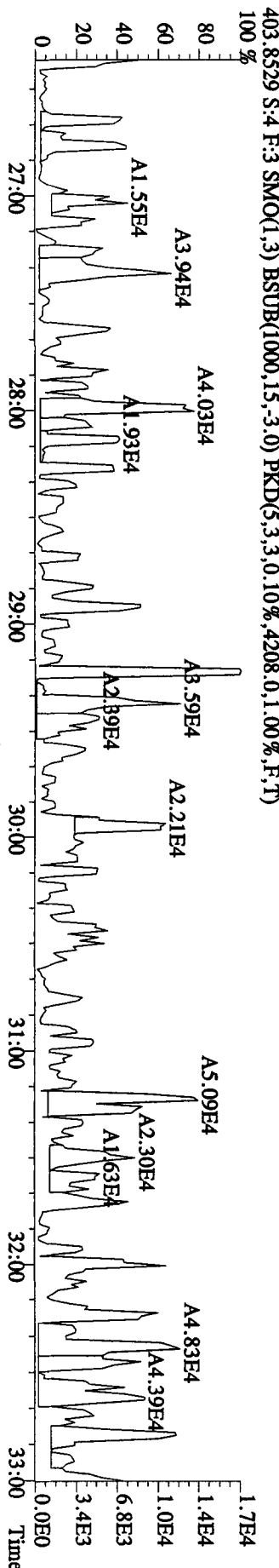
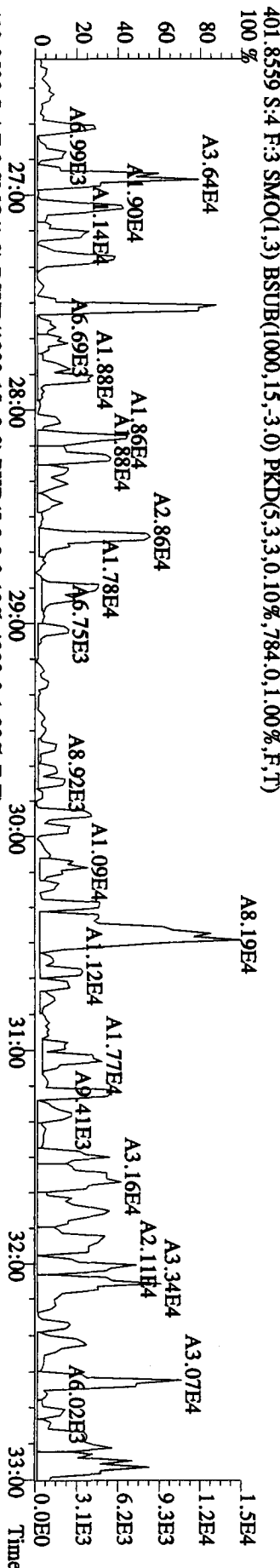
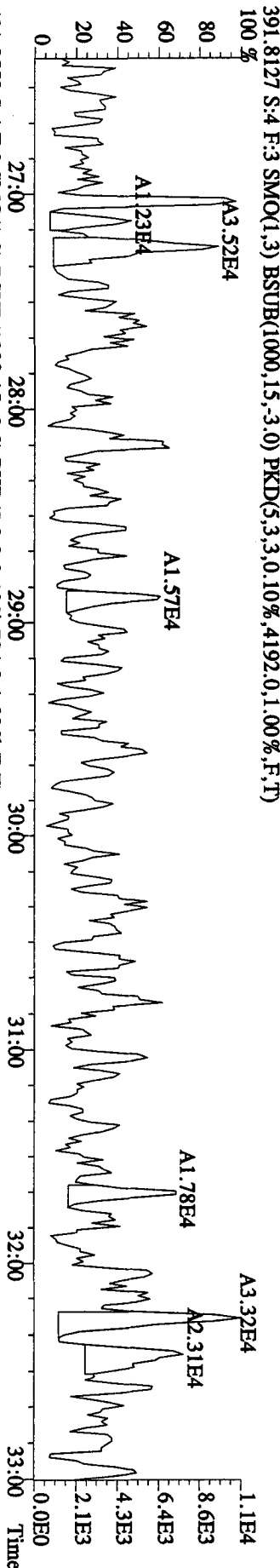
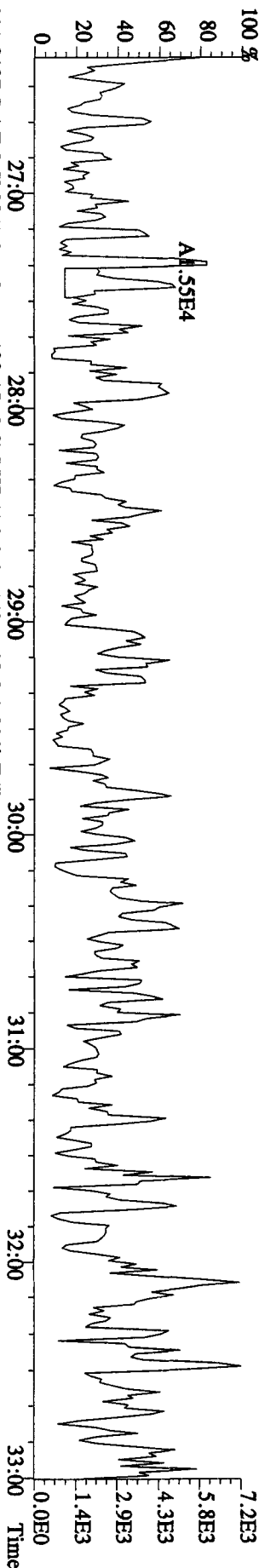
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4024,0.1,00%,F,T)



File:26ADP10A1D5 #1-447 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4252,0.1,00%,F,T)
 100 % A6.73E4



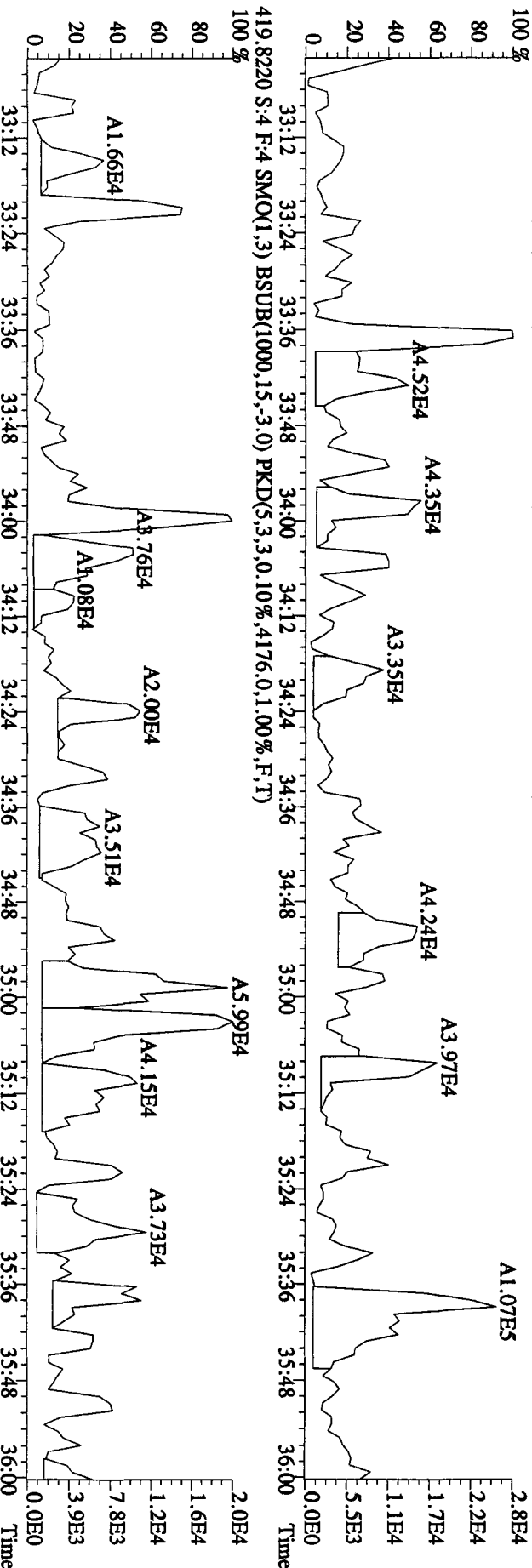
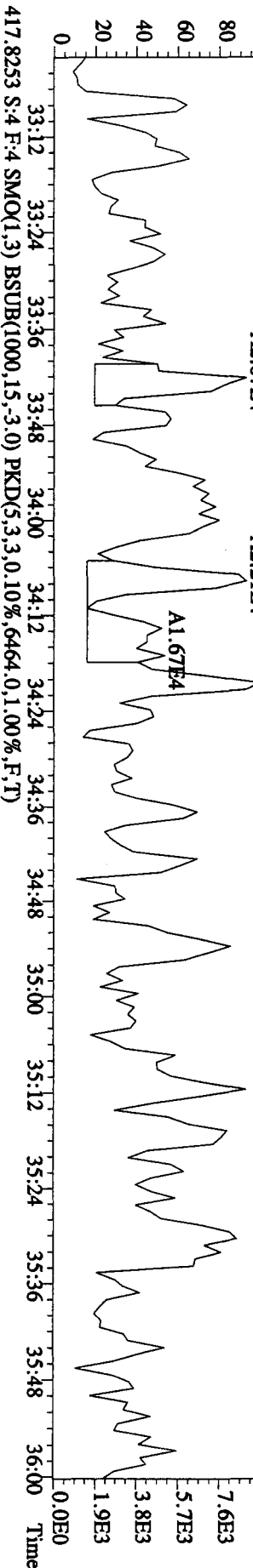
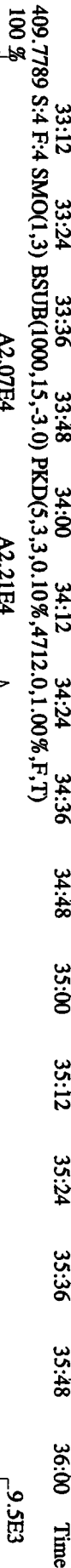
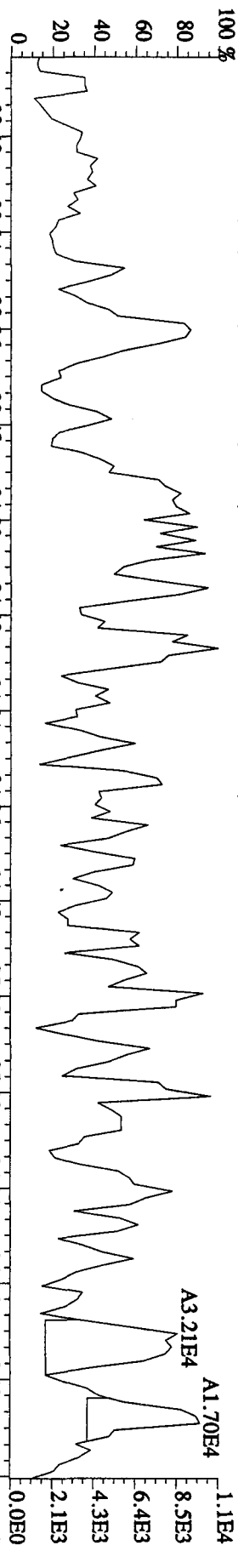
File:26API0A1D5 #1-447 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3180,0.1,0.0%,F,T)

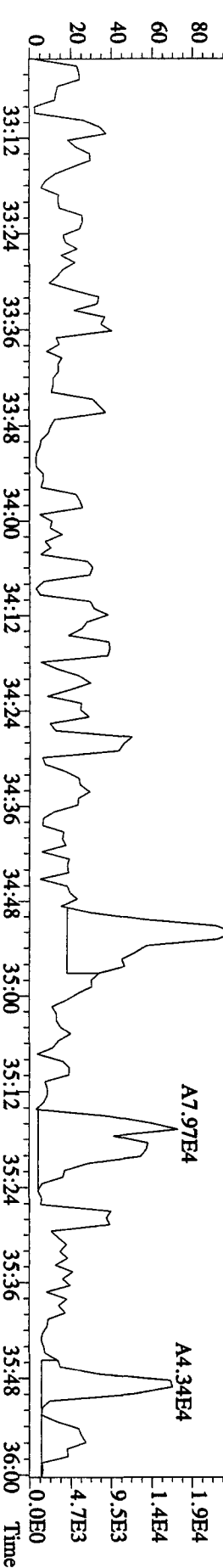
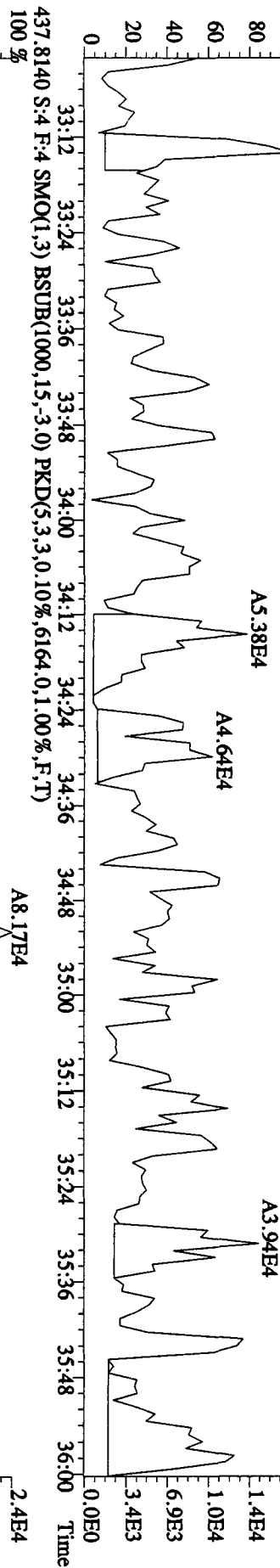
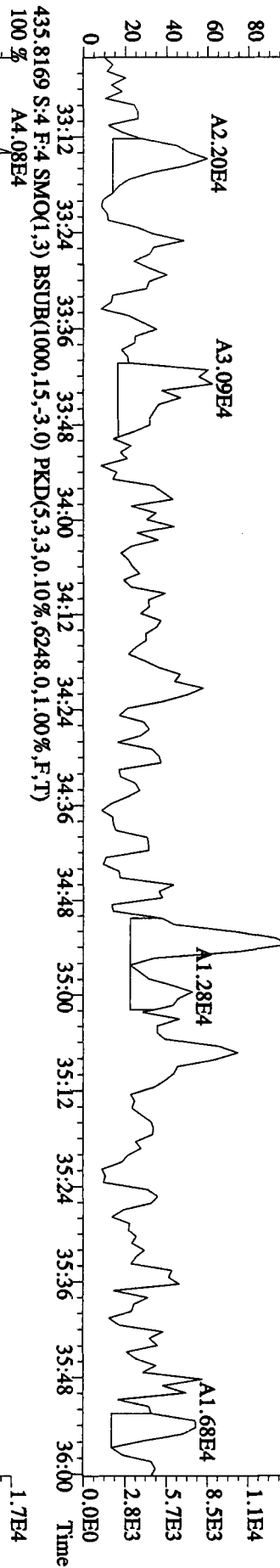
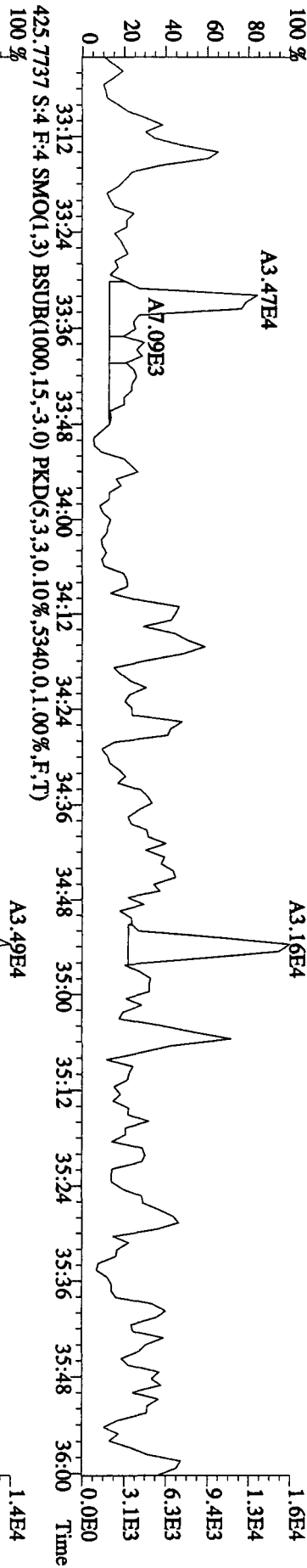


File:26API0A1D5 #1-210 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE

Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

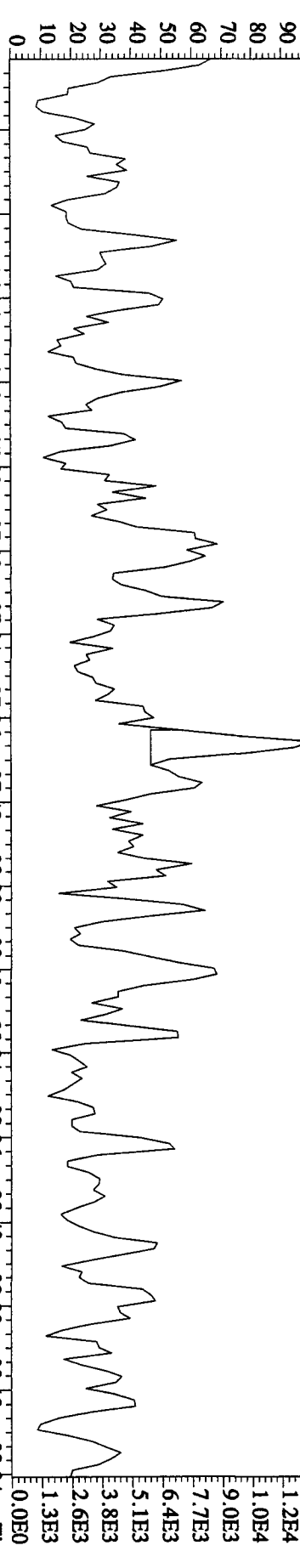
407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5736,0.1,00%,F,T)



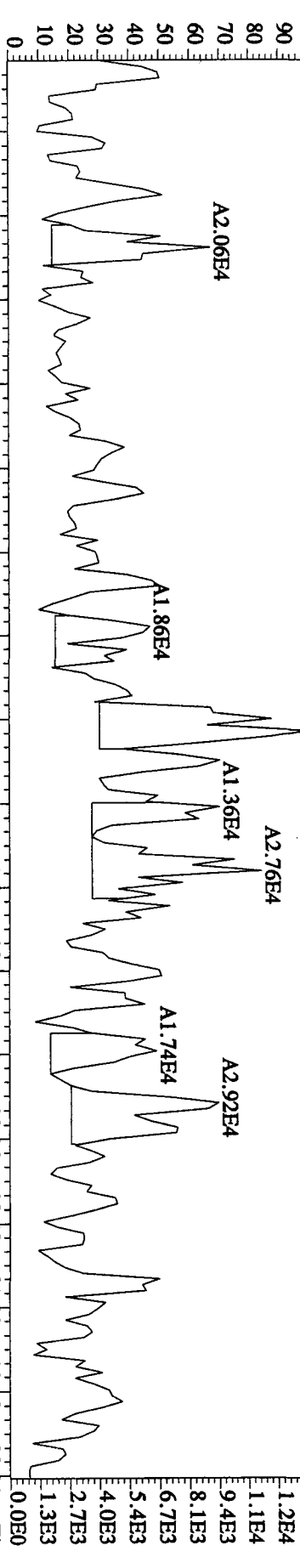


Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

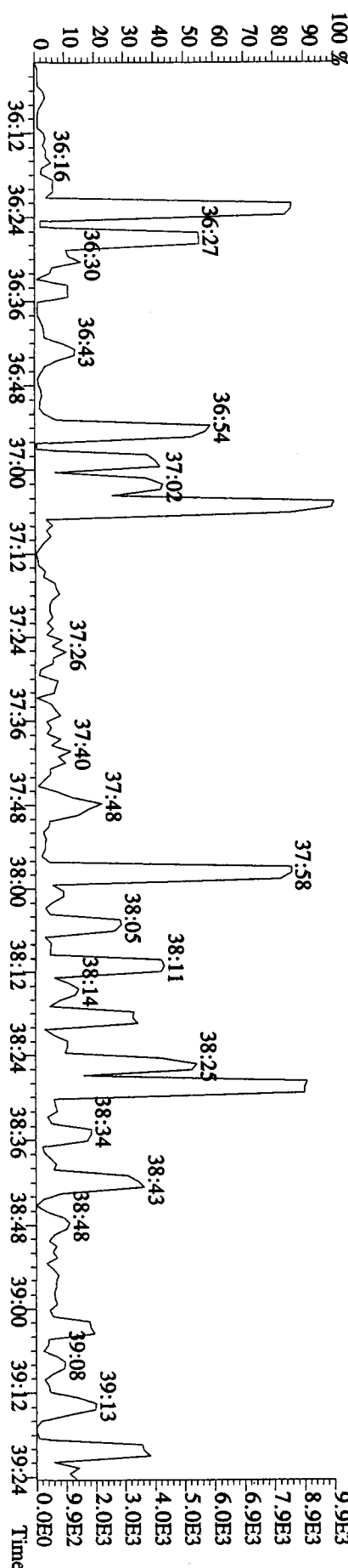
441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4992.0,1.00%,F,T)

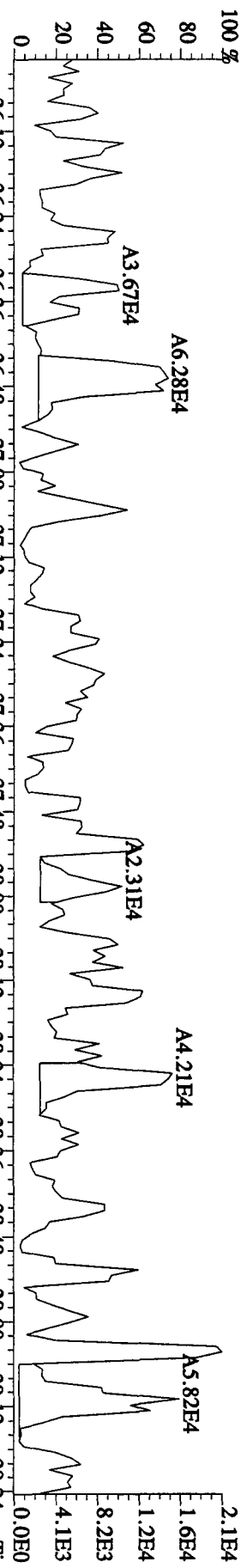
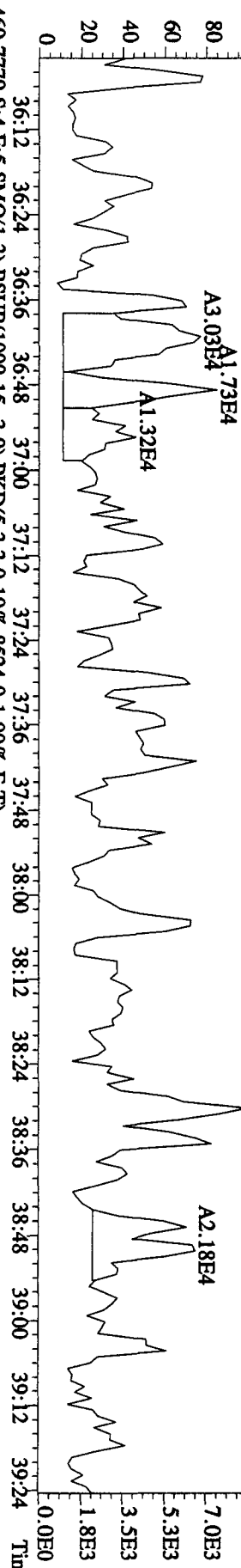
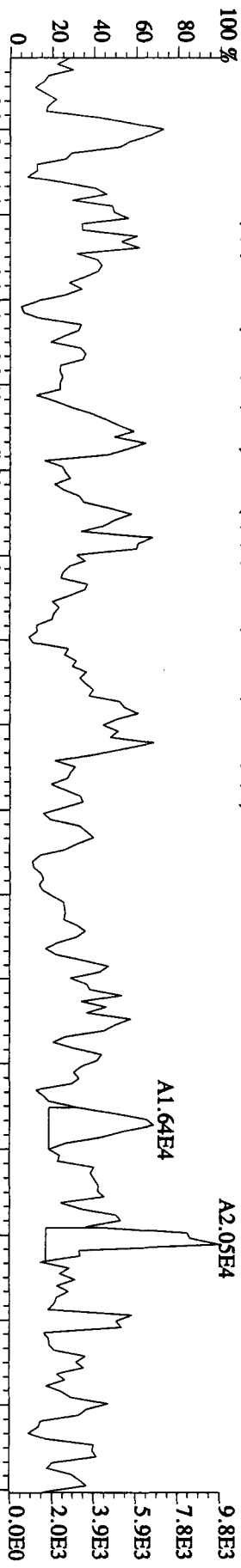


443.7399 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4072.0,1.00%,F,T)



513.6775 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,936.0,1.00%,F,T)



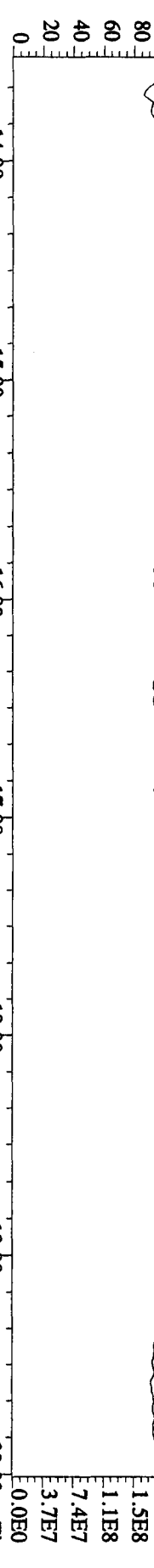


File:26API0A1D5 #1-384 Acq:26-APR-2010 21:08:41 GC EI + Voltage SIR 70SE

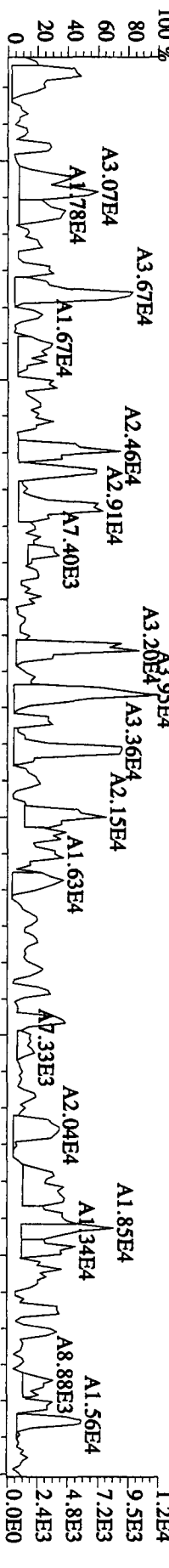
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

292.9825 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

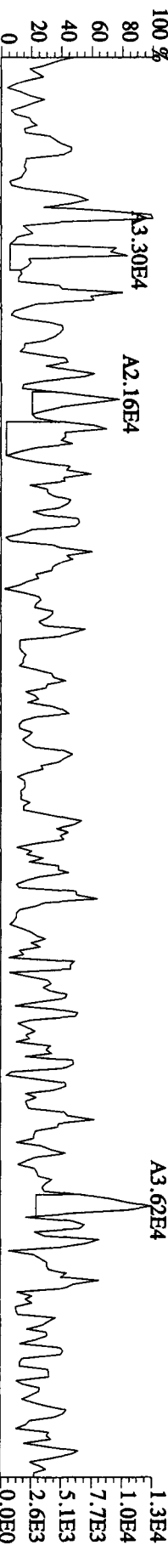
14:01 14:27 14:49 15:15 15:59 16:20 16:42 17:02 17:28 17:49 18:11 18:33 19:01 19:32



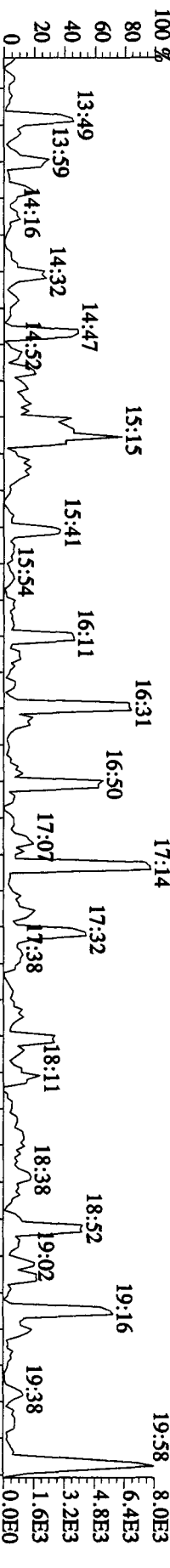
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2180,0.1,0.00%,F,T)



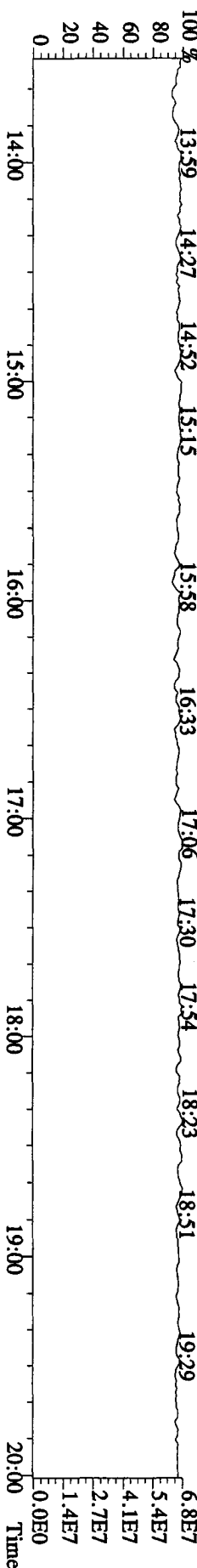
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5988,0.1,0.00%,F,T)



375.8364 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,772,0.1,0.00%,F,T)



330.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

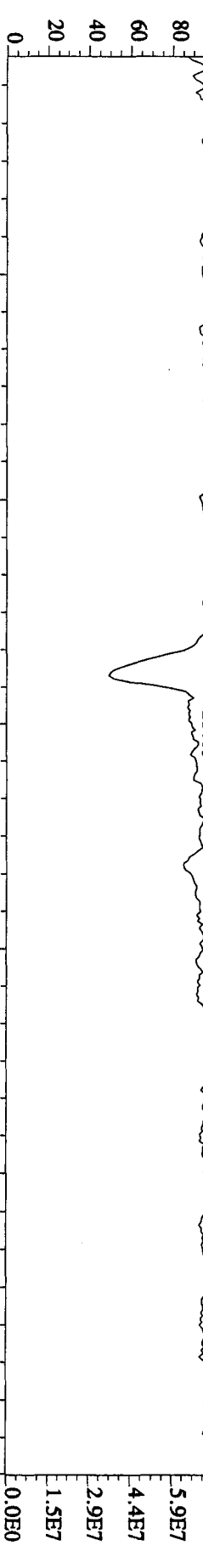


File:26API0A1D5 #1-444 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE

Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

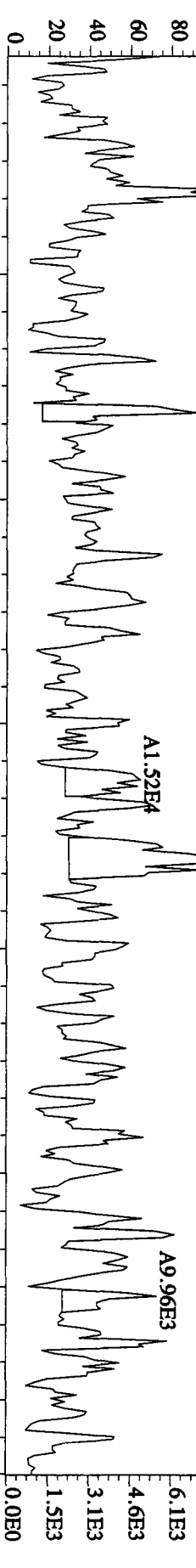
342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100 % 20:14 20:37 21:03 21:36 21:57 22:31



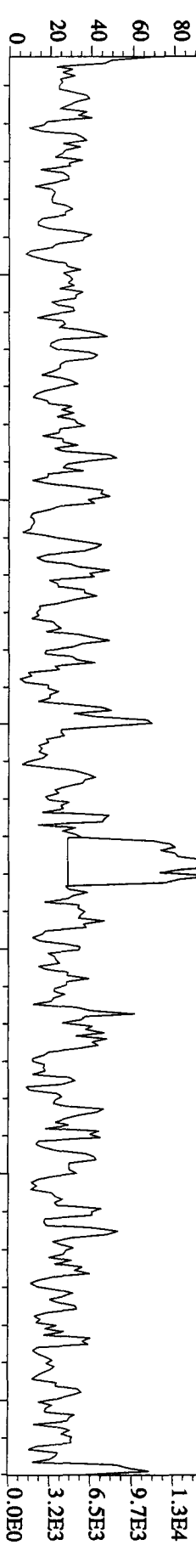
339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3524.0,1.00%,F,T)

100 % 21:00 22:00 23:00 24:00 25:00 26:00



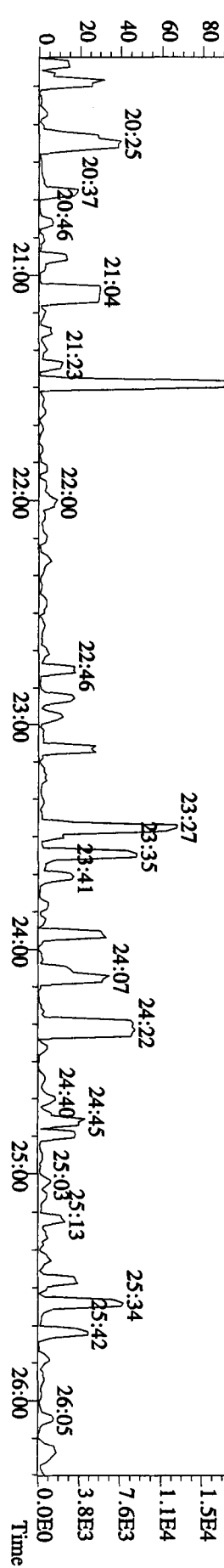
341.8567 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5716.0,1.00%,F,T)

100 % 21:00 22:00 23:00 24:00 25:00 26:00



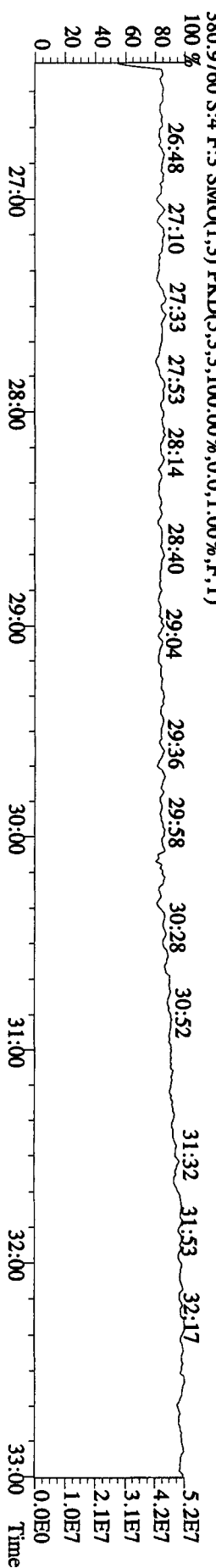
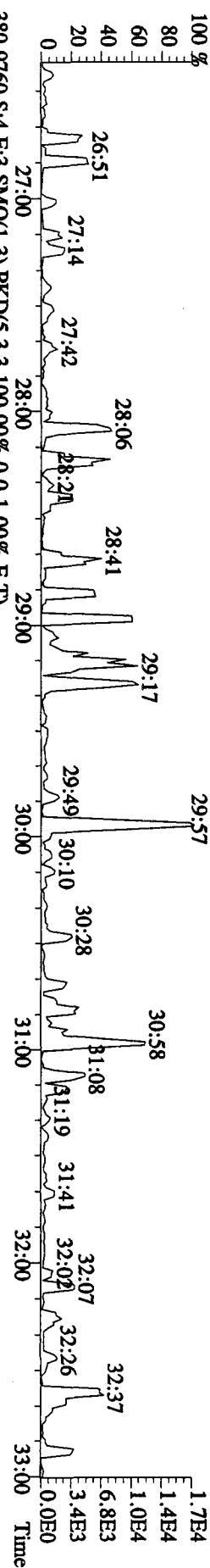
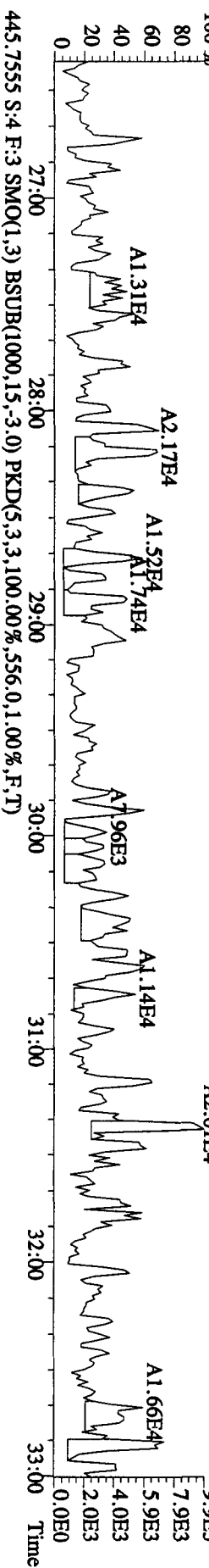
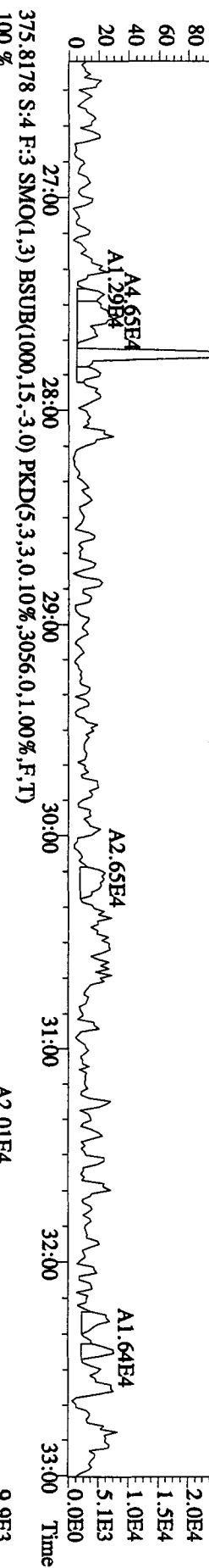
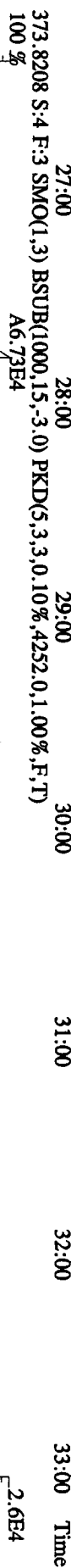
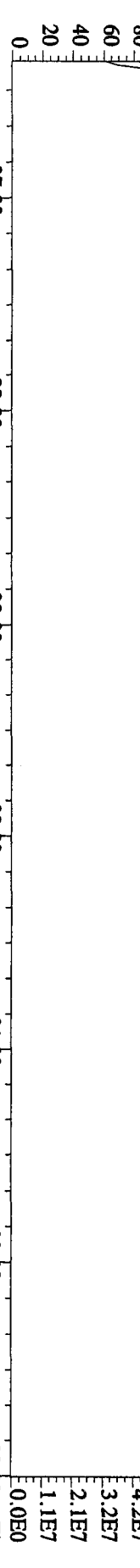
409.7974 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,580.0,1.00%,F,T)

100 % 21:00 22:00 23:00 24:00 25:00 26:00



Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

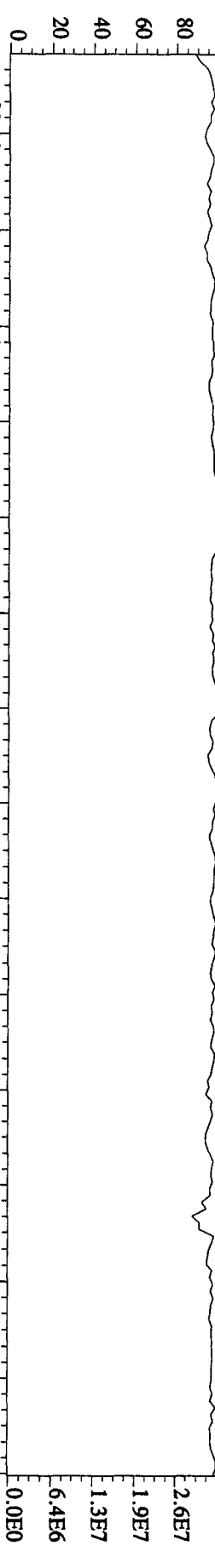


File:26AP10A1D5 #1-210 Acq:26-APR-2010 21:08:41 GC EI + Voltage SIR 70SE

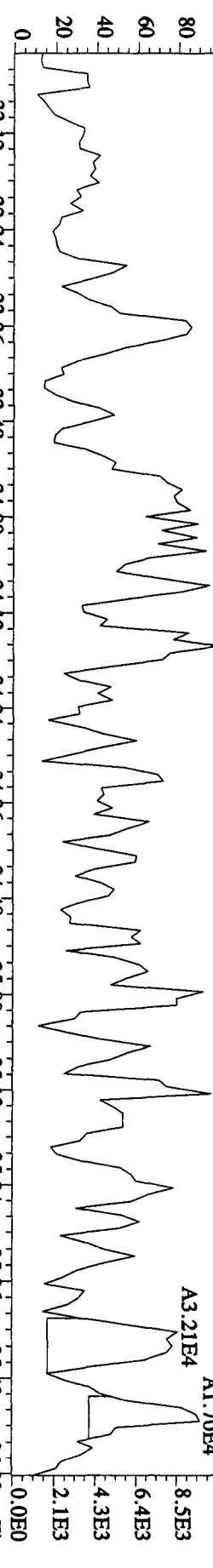
Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN

430.9728 S:4 F:4 SMO(1.3) PKD(5.3,3.100,00%,0.0,1.00%,F,T)

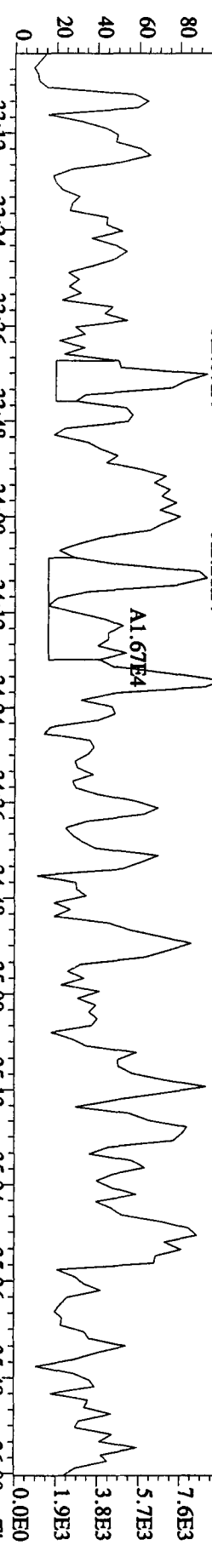
100 % 33:07 33:30 33:48 33:57 34:22 34:34 34:51 35:21



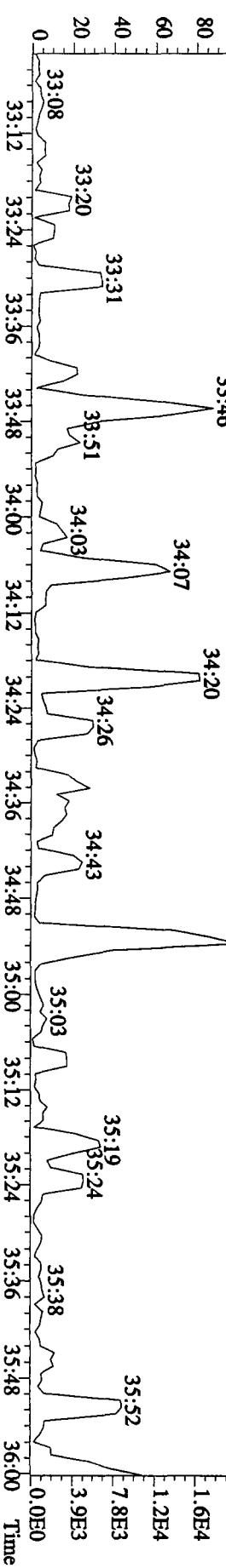
407.7818 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,5736.0,1.00%,F,T)



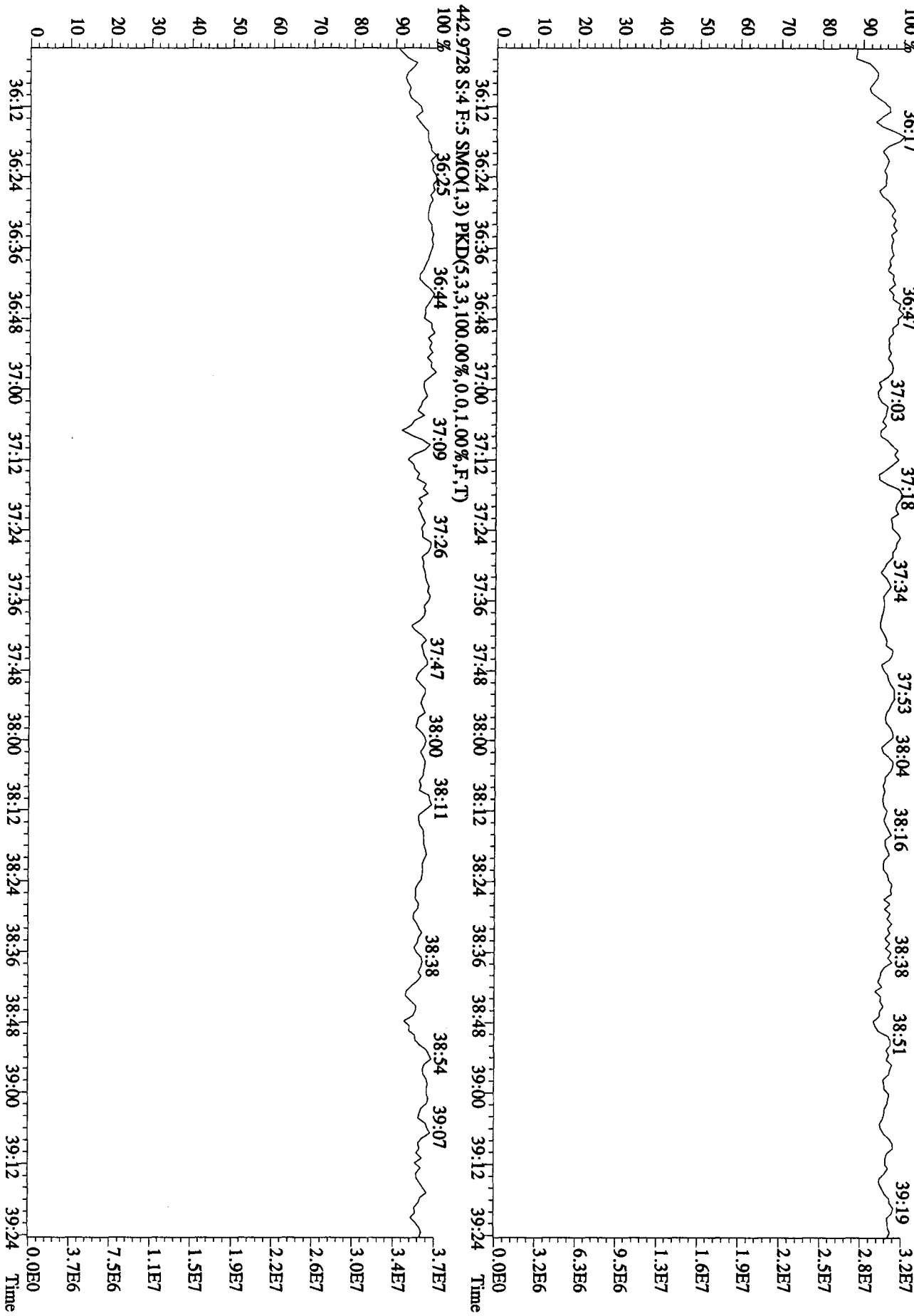
409.7789 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4712.0,1.00%,F,T)



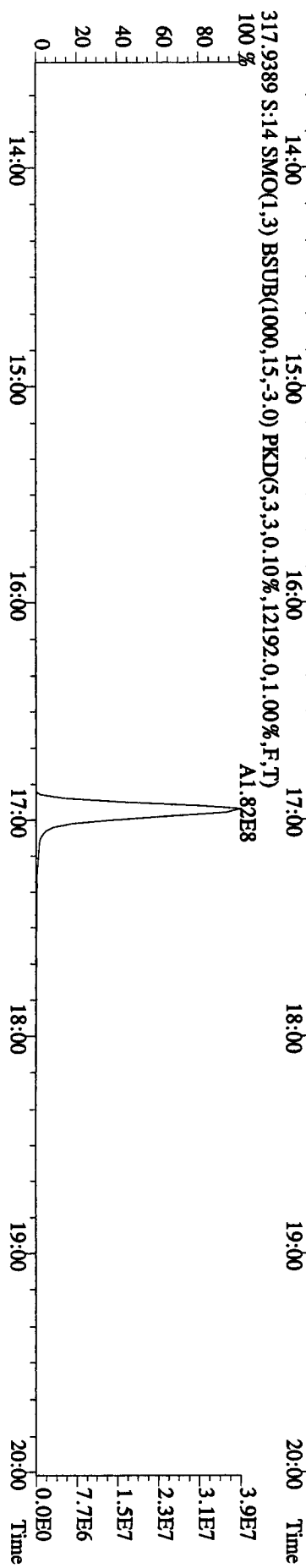
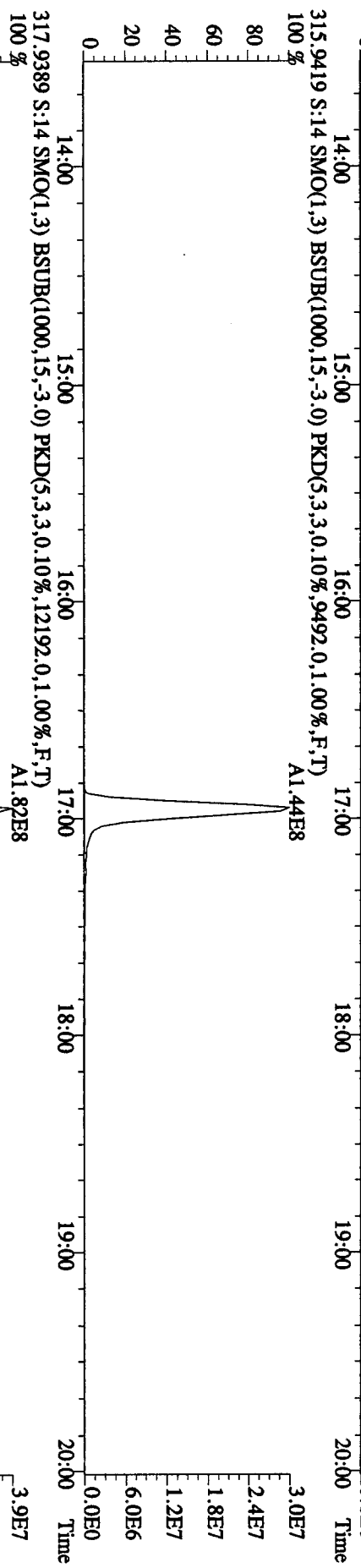
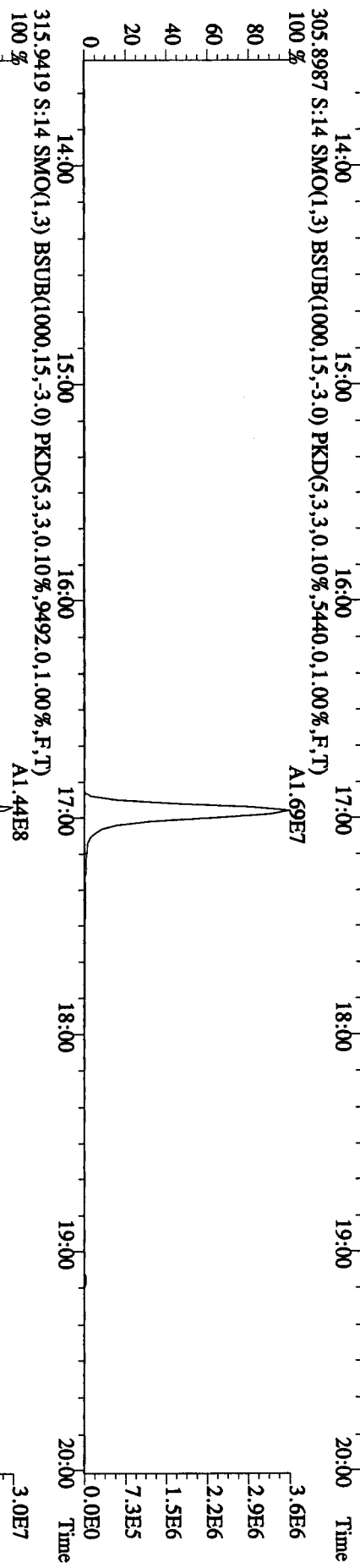
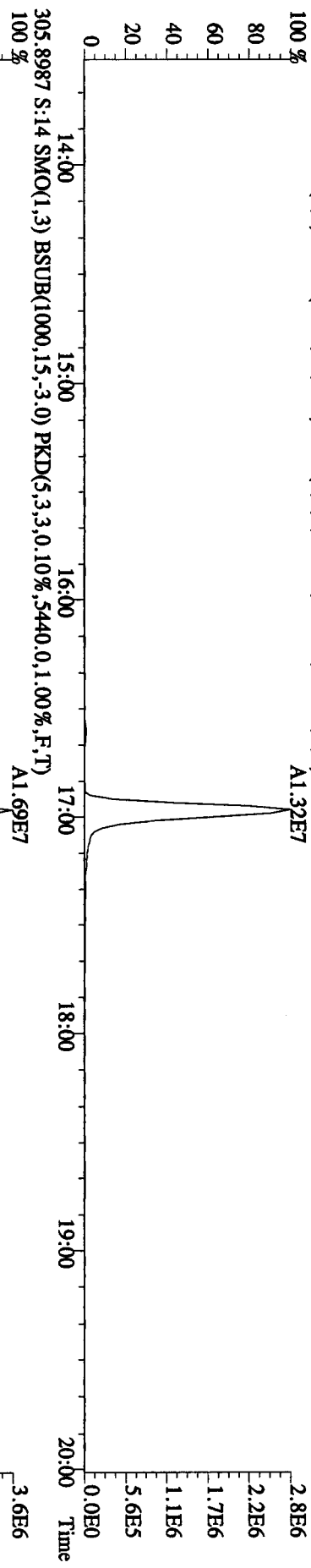
479.7165 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100,00%,952.0,1.00%,F,T)



File:26AP10A1D5 #1-244 Acq:26-APR-2010 21:08:41 GC EI+ Voltage SIR 70SE
 Sample#4 Text:SB0426C :Solvent Blank C-14 Exp:DIOXIN
 454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



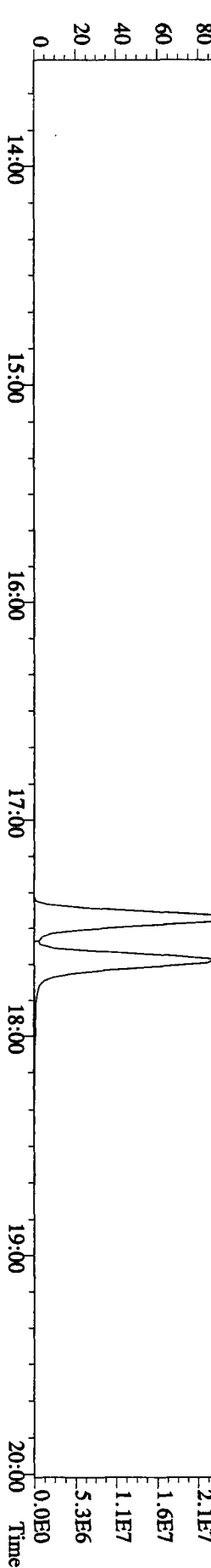
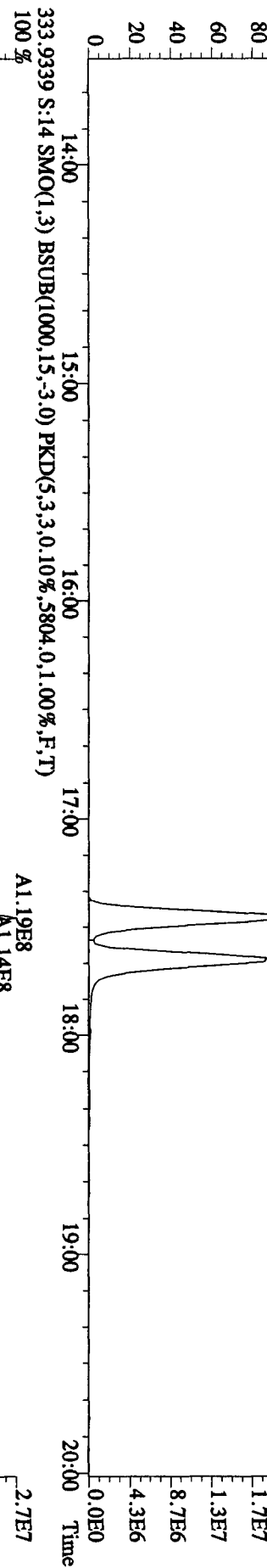
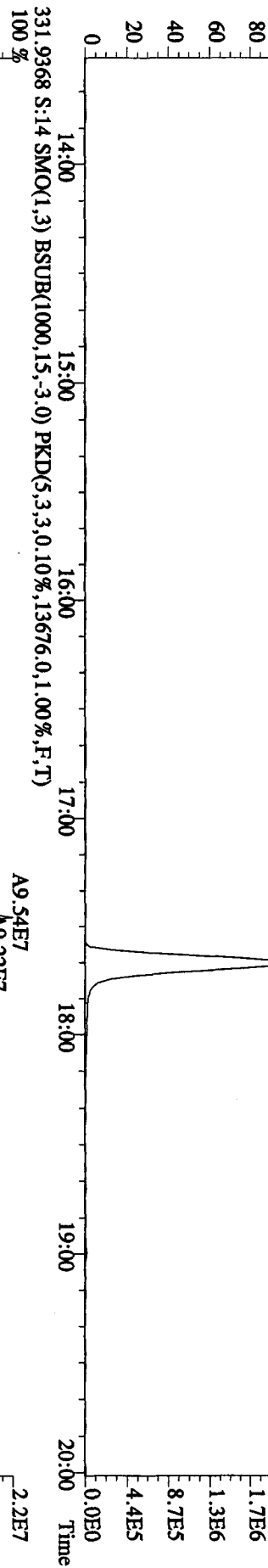
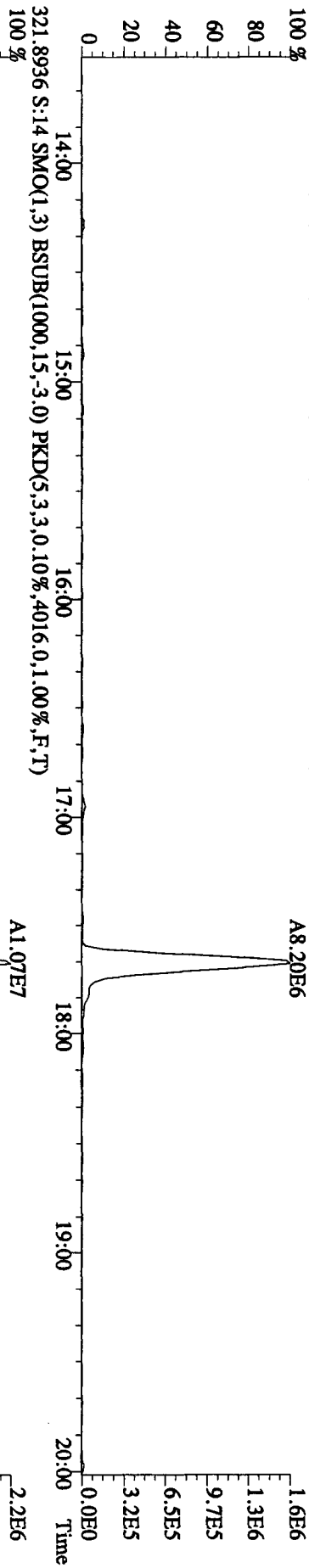
File:26API0A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
303 9016 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3264,0,1.00%,F,T)
100 %



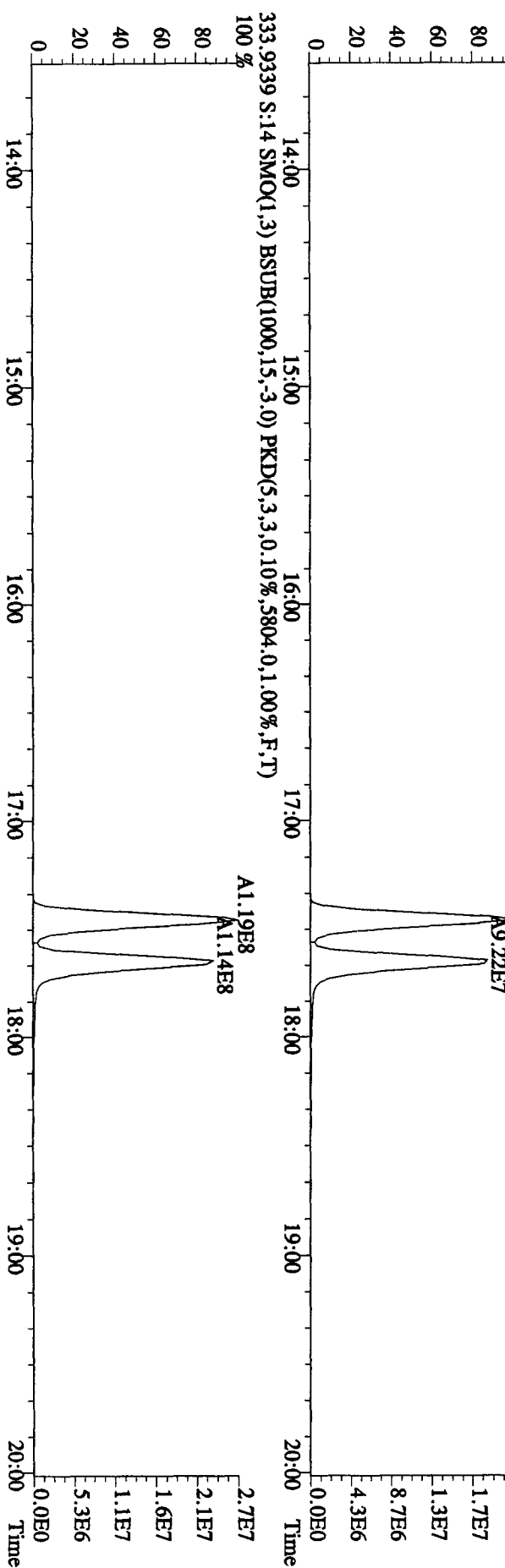
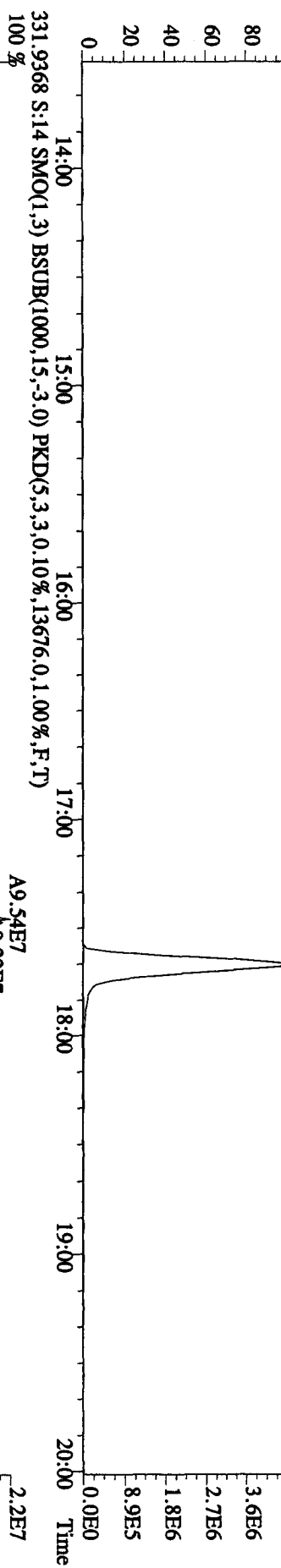
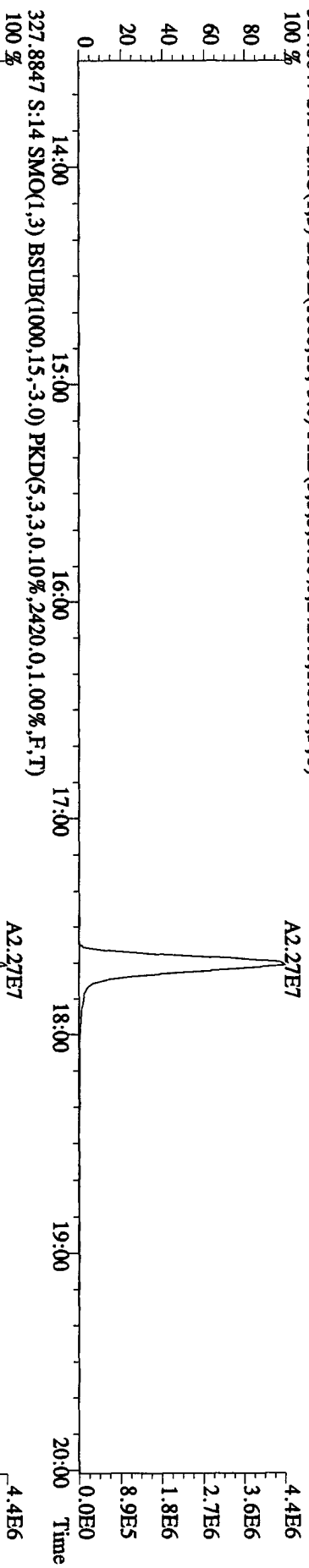
File:26AP10A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE

Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN

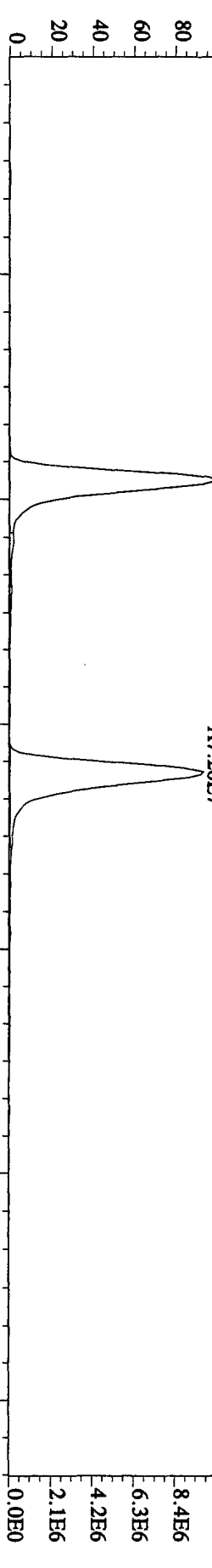
319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2084.0,1.00%,F,T) 100 %



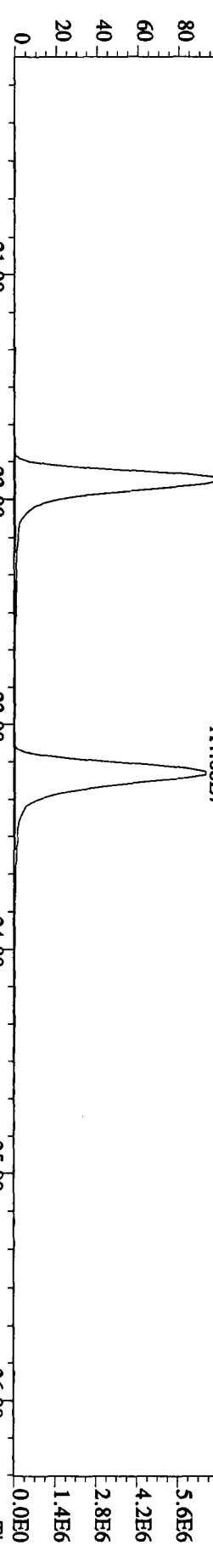
File:26API0A1D5 #1-385 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
327.8847 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2420,0,1,00%,F,T)



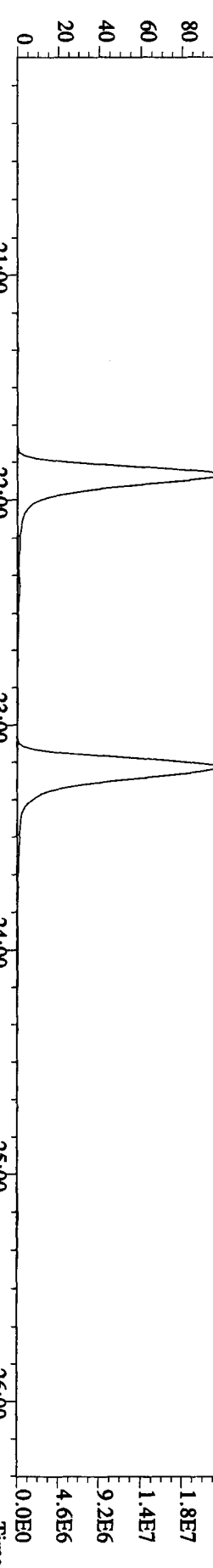
File:26API0A1D5 #1-444 Acq:27-APR-2010 04:07:07 GC EI + Voltage SIR 70SE
 Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
 339 8597 S:14 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9652,0.1,00%,F,T)
 100 % A6.97E7 A7.20E7



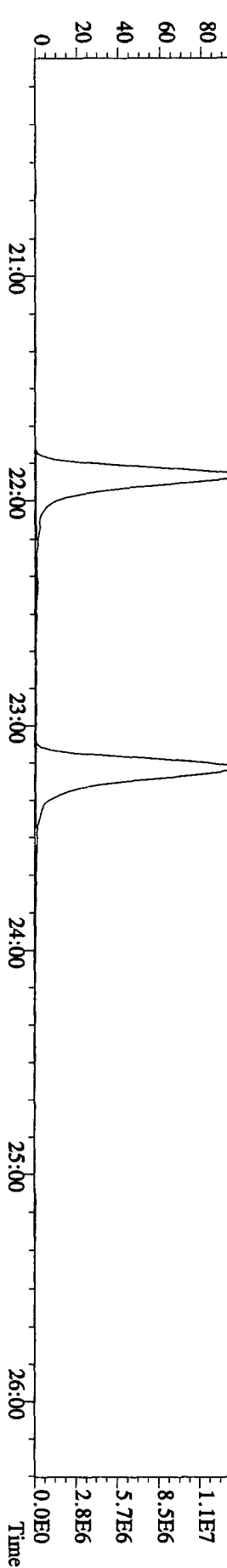
341 8567 S:14 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7388,0.1,00%,F,T)
 100 % A4.63E7 A4.68E7



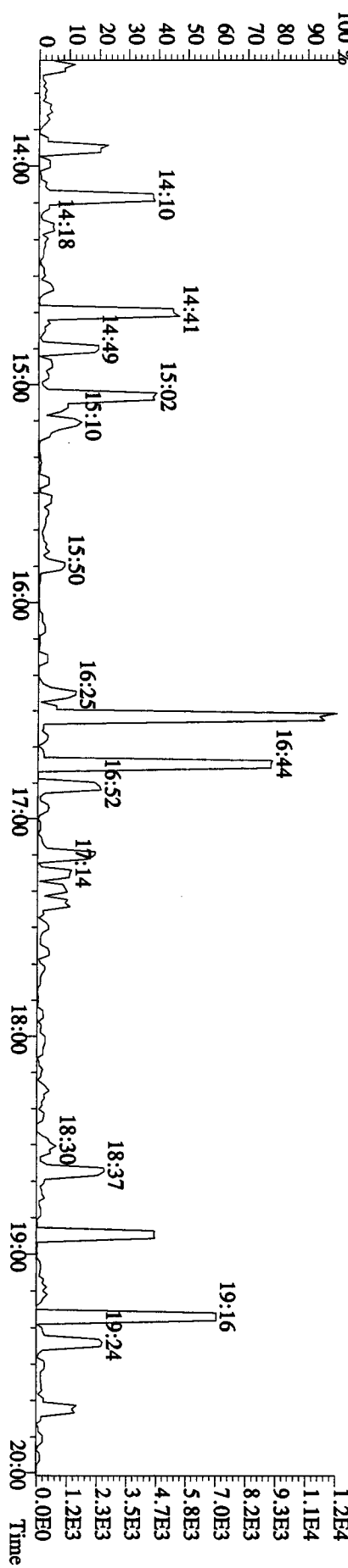
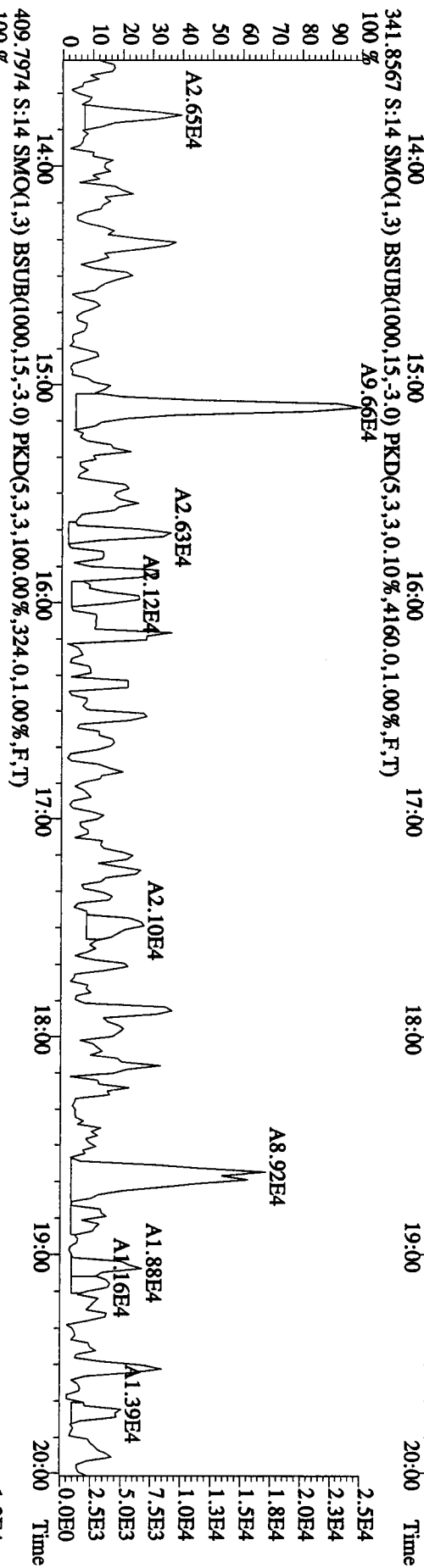
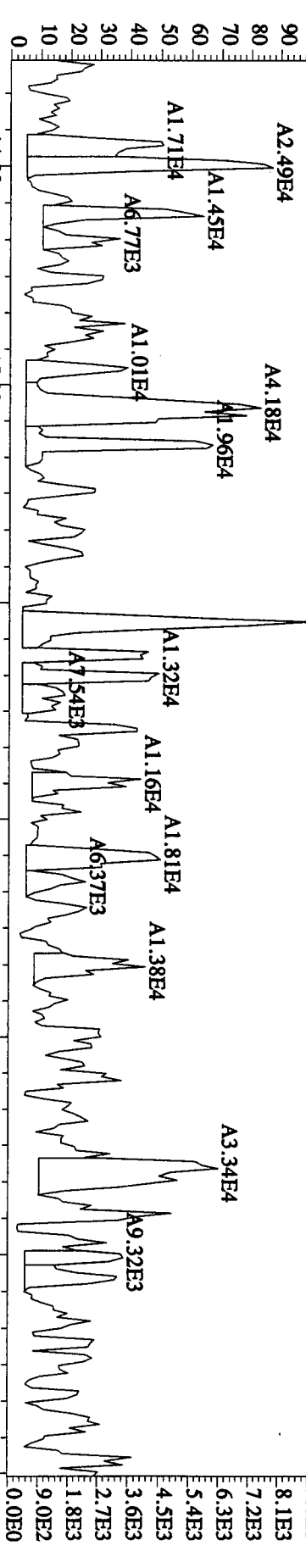
351 9000 S:14 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10512,0.1,00%,F,T)
 100 % A1.45E8 A1.55E8



353 8970 S:14 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7260,0.1,00%,F,T)
 100 % A8.81E7 A9.42E7



File: 26API0A1D5 #1-385 Acq: 27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
 Sample#14 Text: ST0426C :CS3 10DXN111 Exp: DIOXIN
 339,8597 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,2068,0.1,00%,F,T)

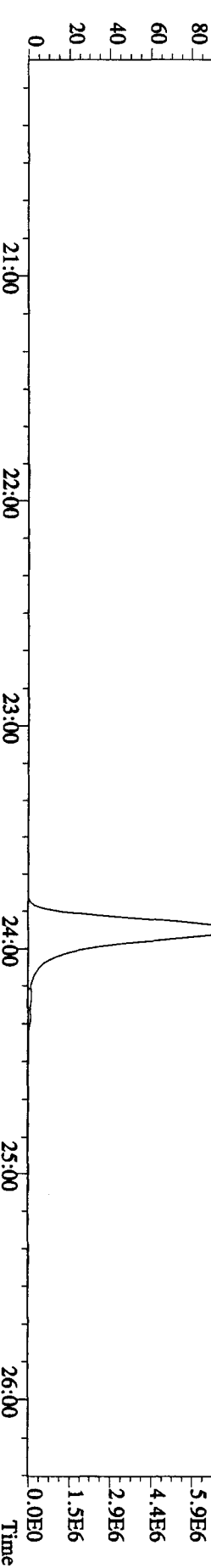
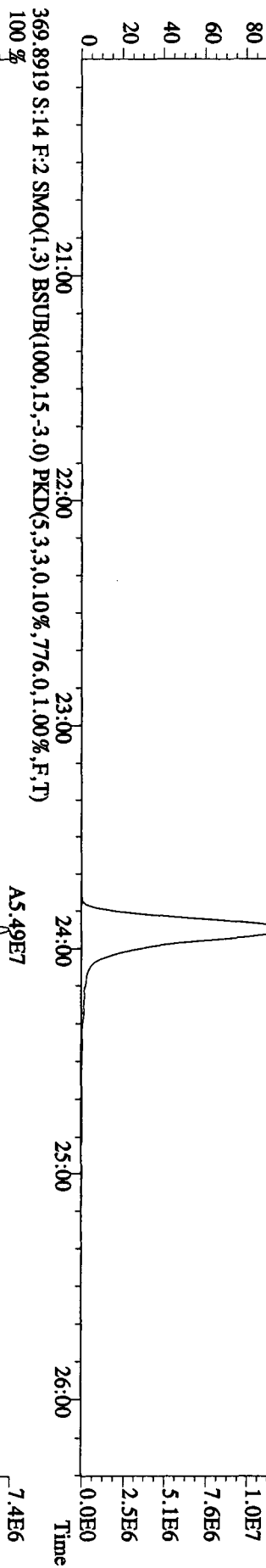
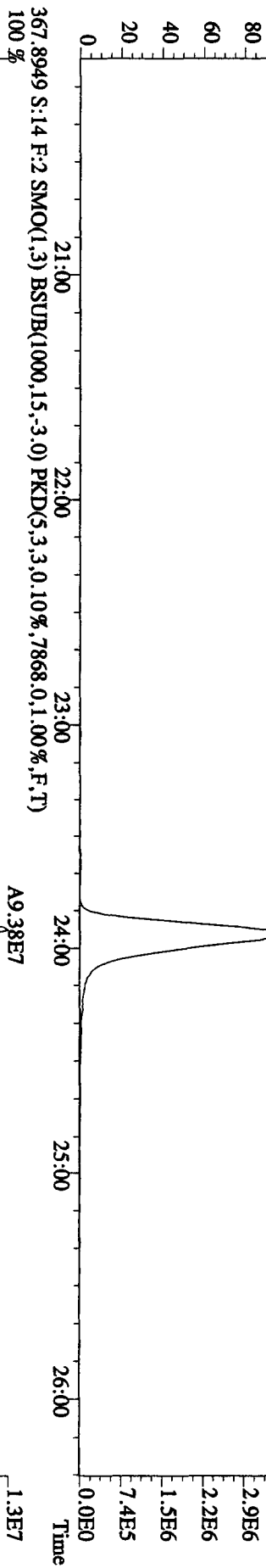
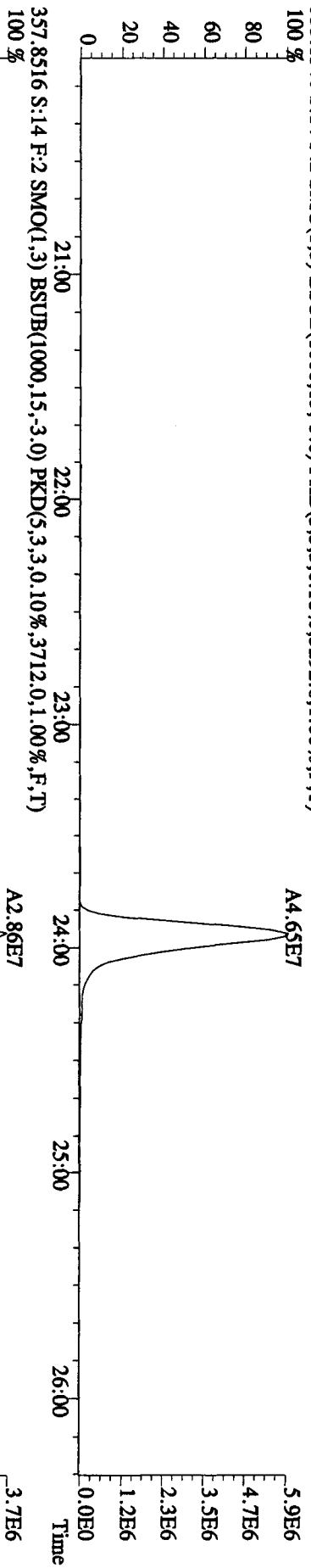


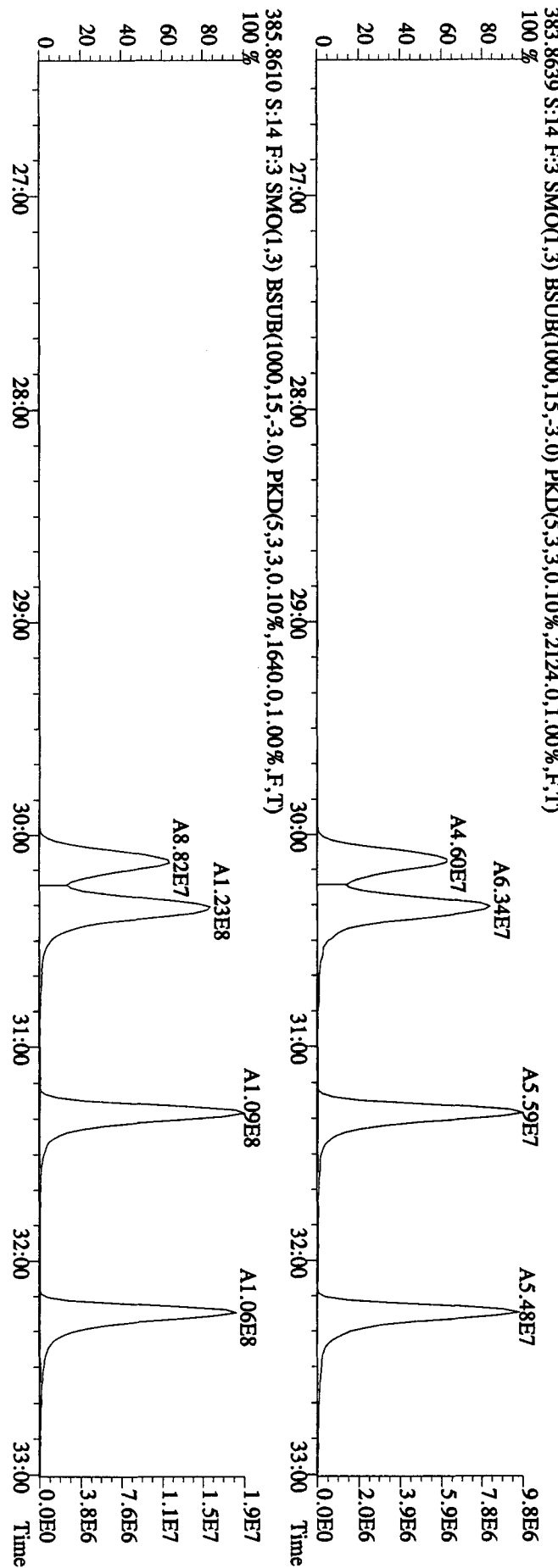
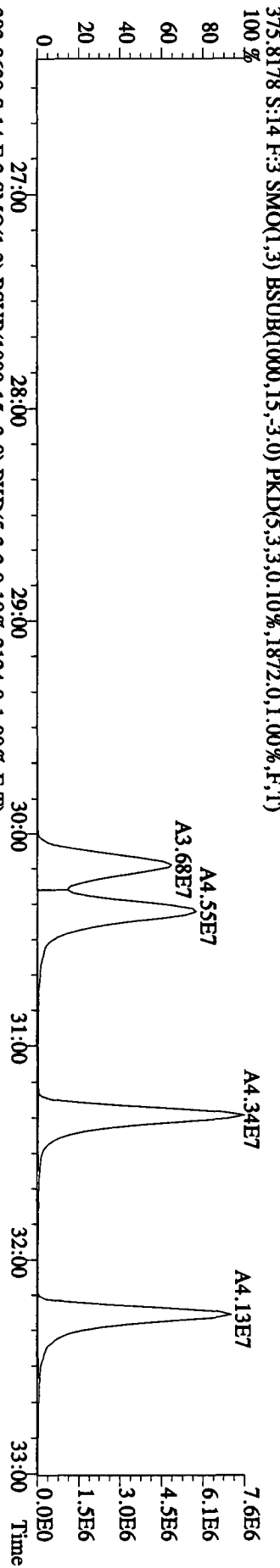
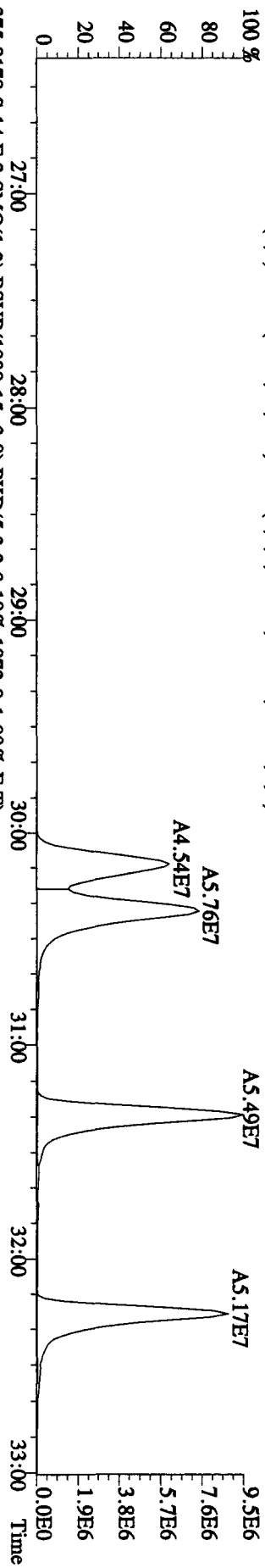
File:26AP10A1D5 #1-444 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE

Sample#14 Text:ST0426C :CS3 10DXN111

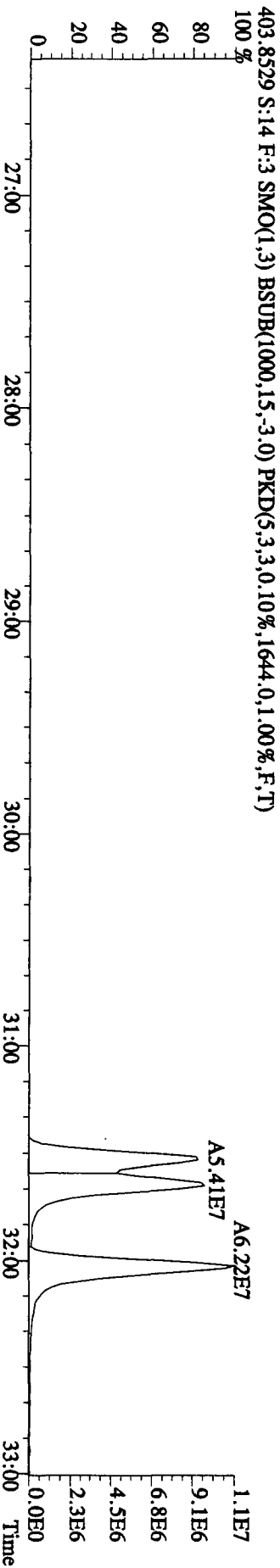
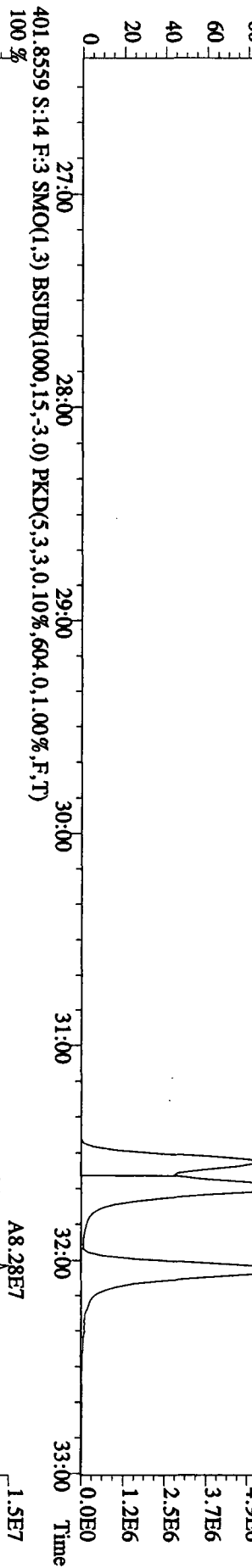
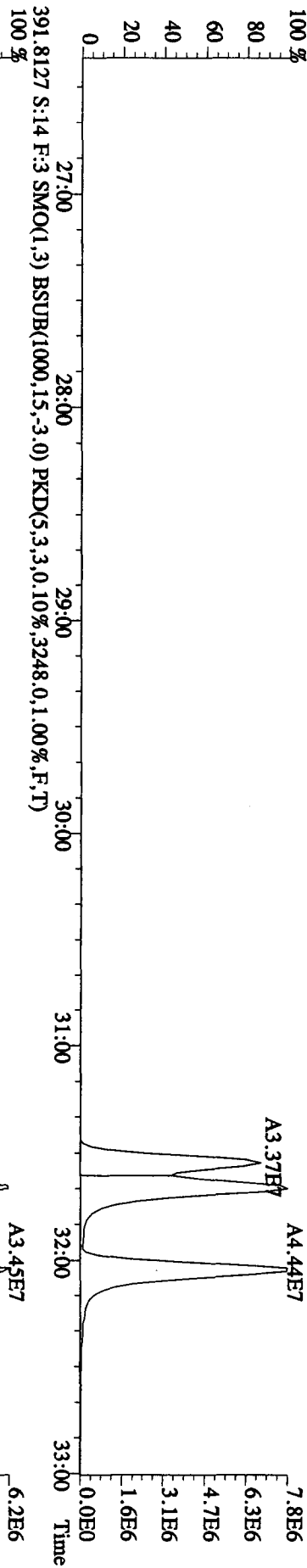
Exp:-DIOXIN

355.8546 S:14 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5292,0,1,00%,F,T) 100%

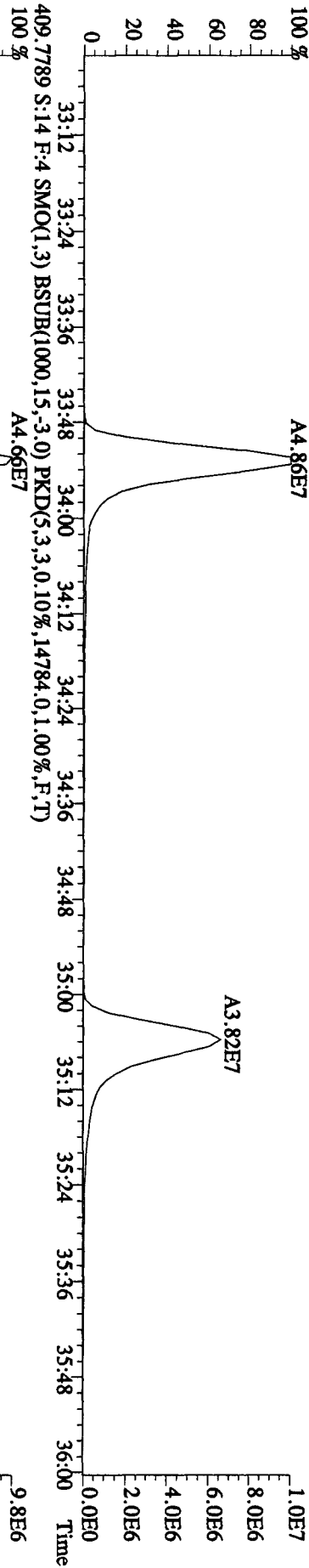




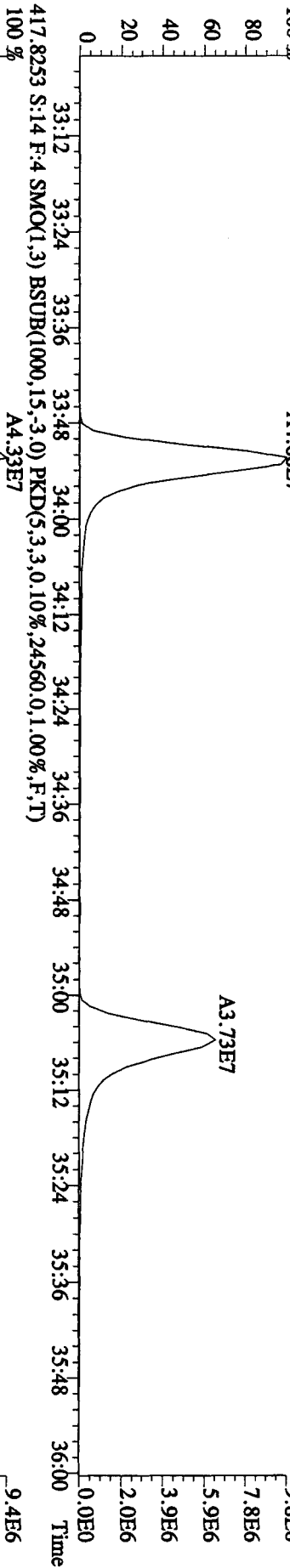
File:26API0A1D5 #1-447 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE
 Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
 389.8157 S:14 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2284,0,1,00%,F,T)
 100 %



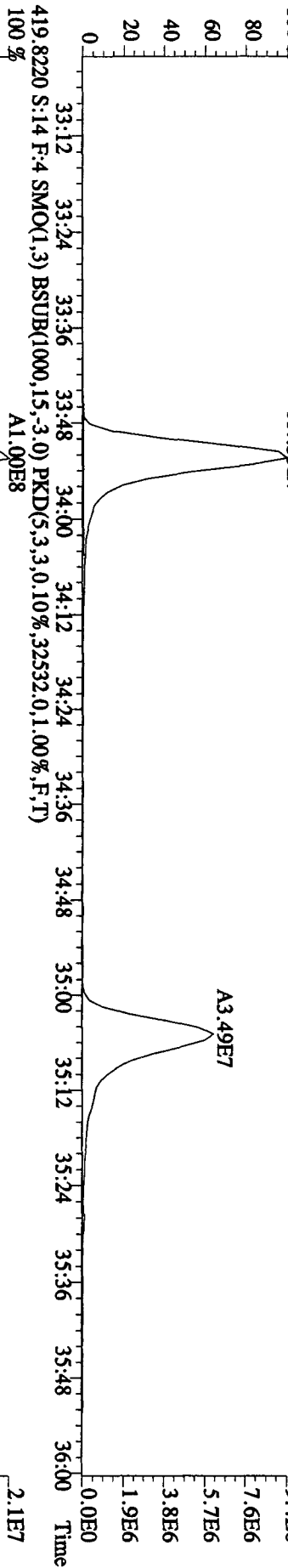
407.7818 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13192.0,1.00%,F,T) 100 %



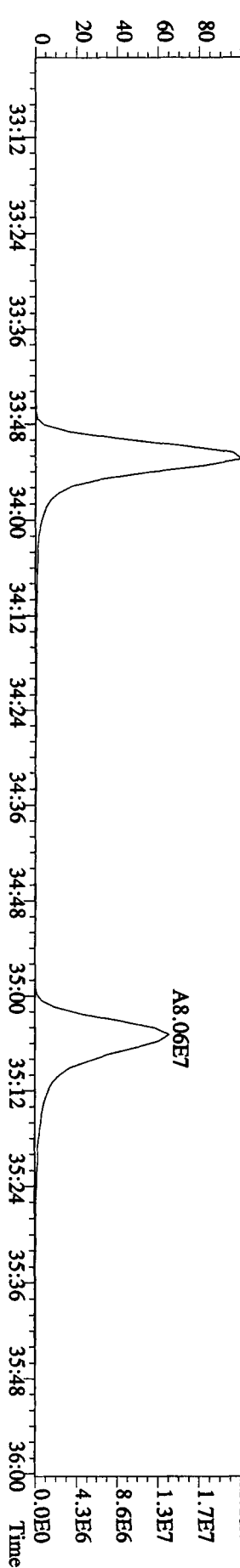
409.7789 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14784.0,1.00%,F,T) 100 %

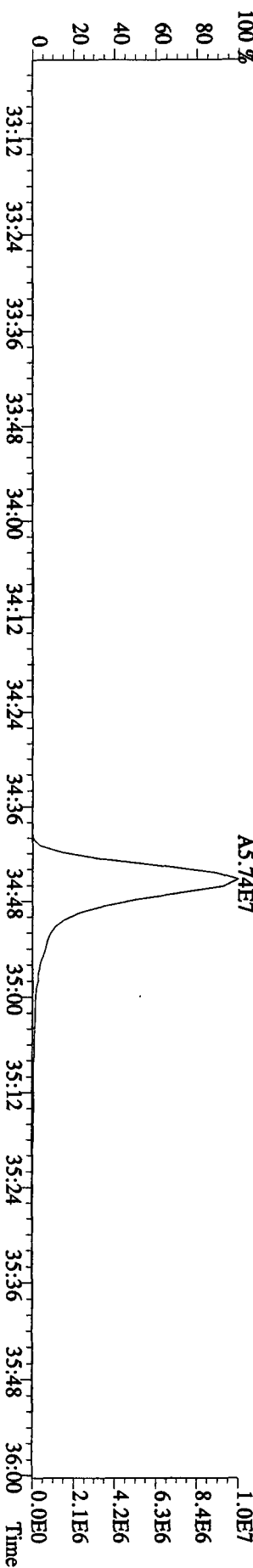
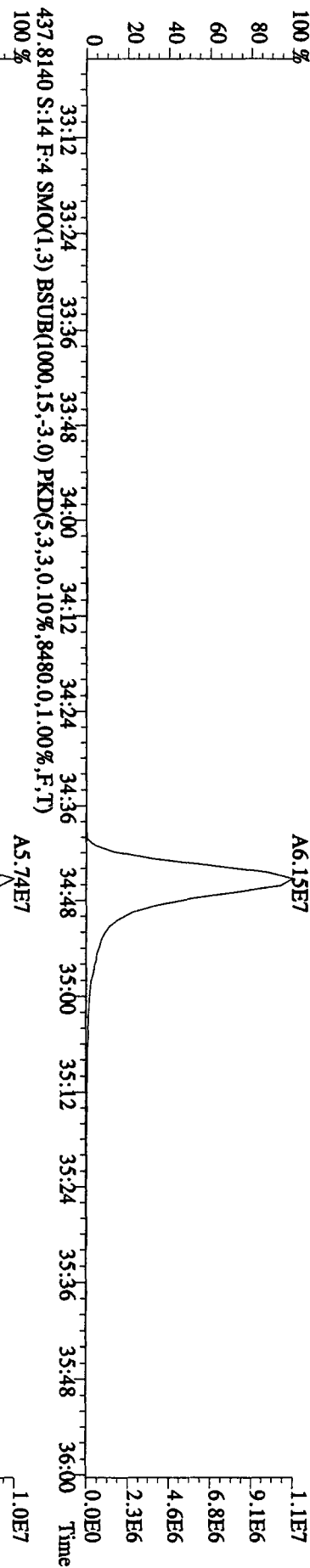
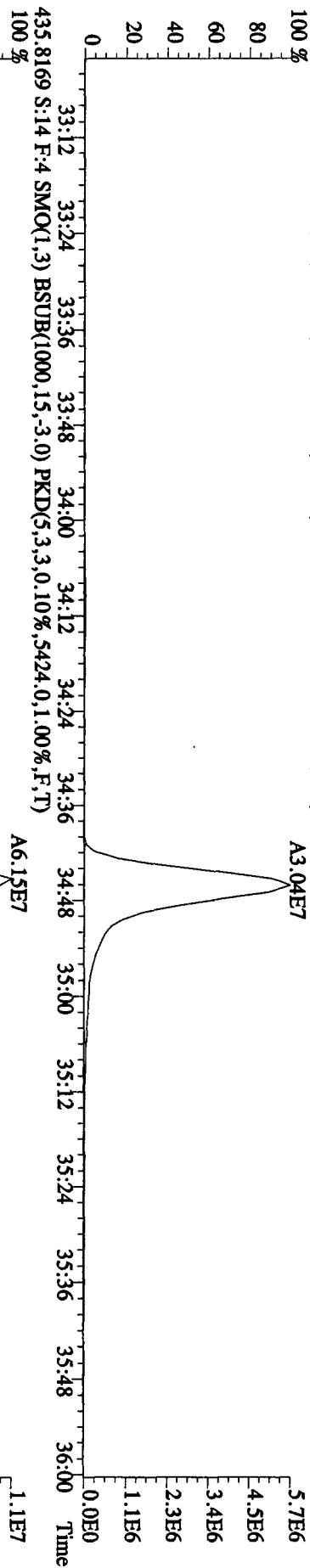
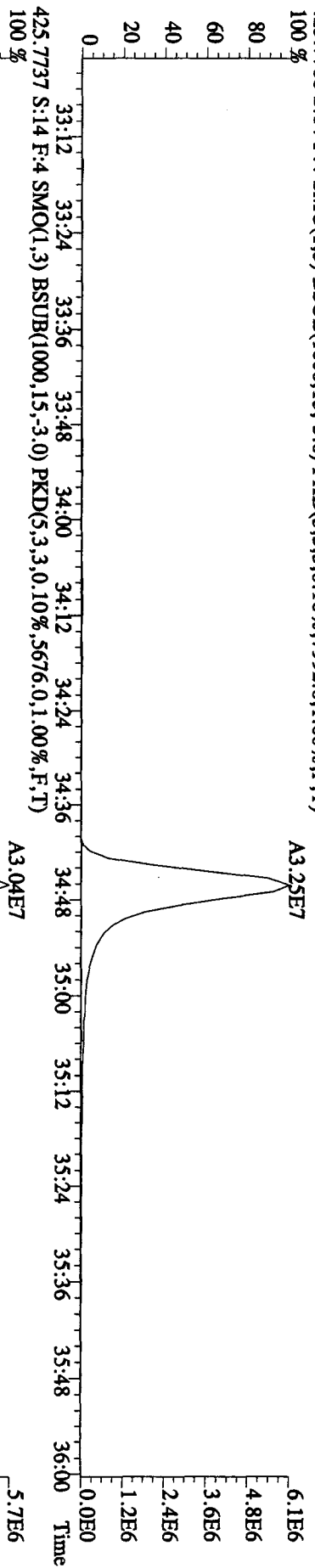


417.8253 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24560.0,1.00%,F,T) 100 %



419.8220 S:14 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32532.0,1.00%,F,T) 100 %





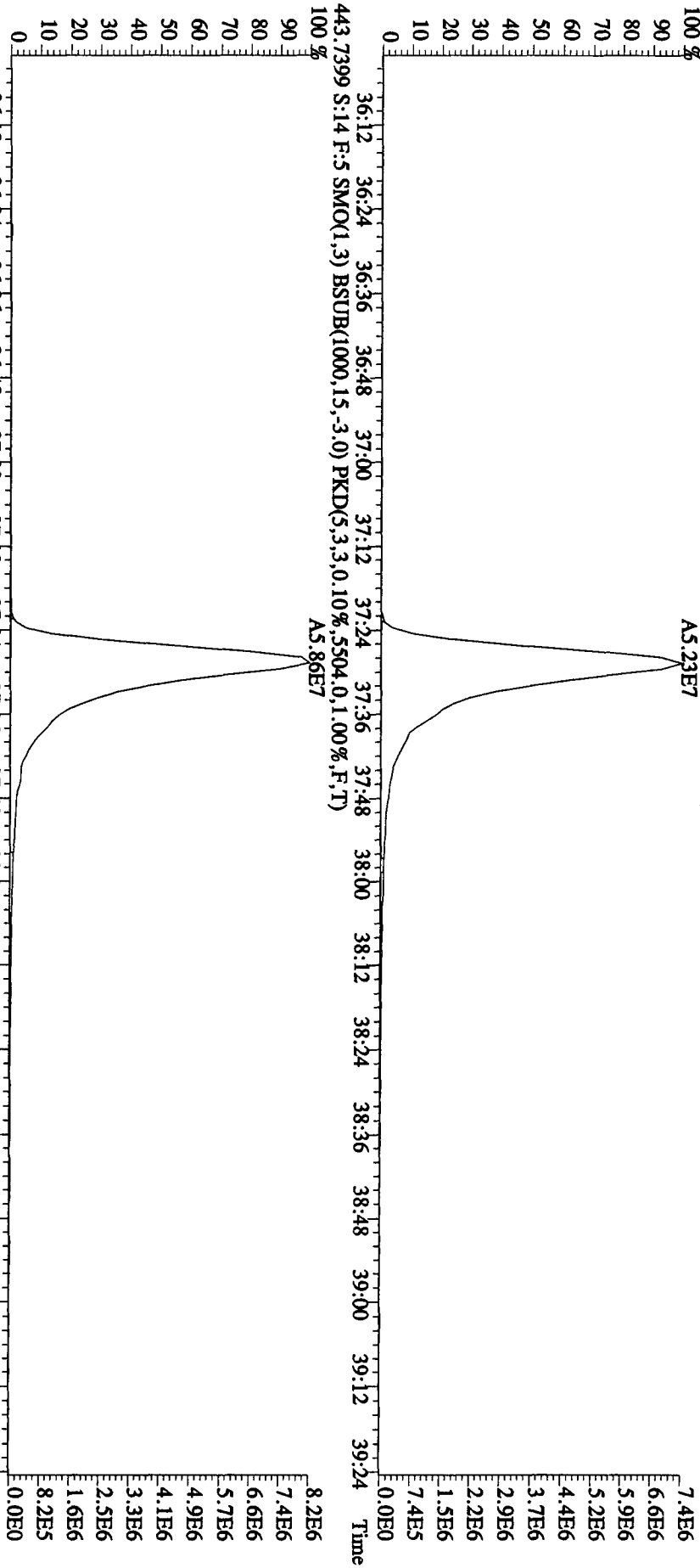
File:26ADP10A1D5 #1-244 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE

Sample#14 Text:ST0426C :CS3 10DXN111

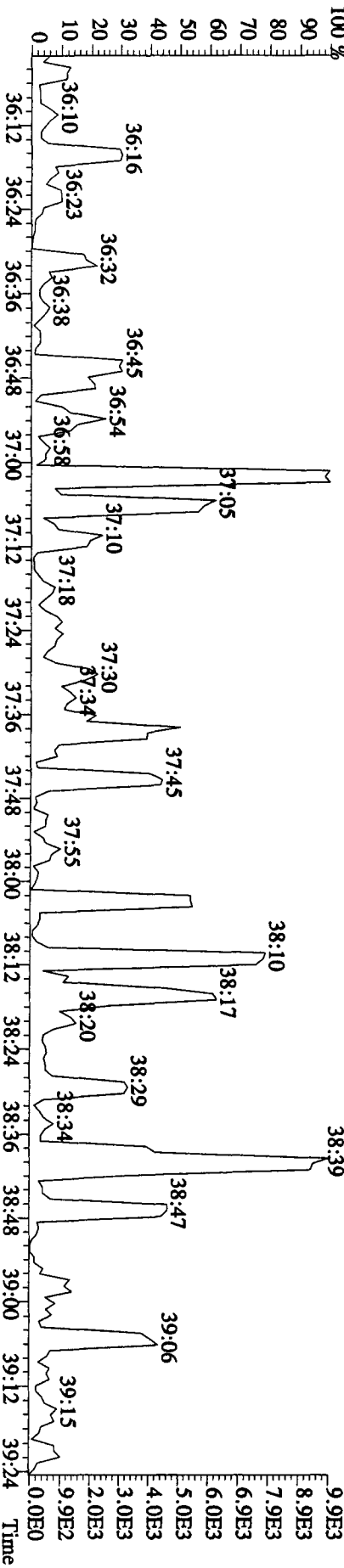
Exp:DIOXIN

441.7428 S:14 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4832.0,1.00%,F,T)

100% A5.23E7

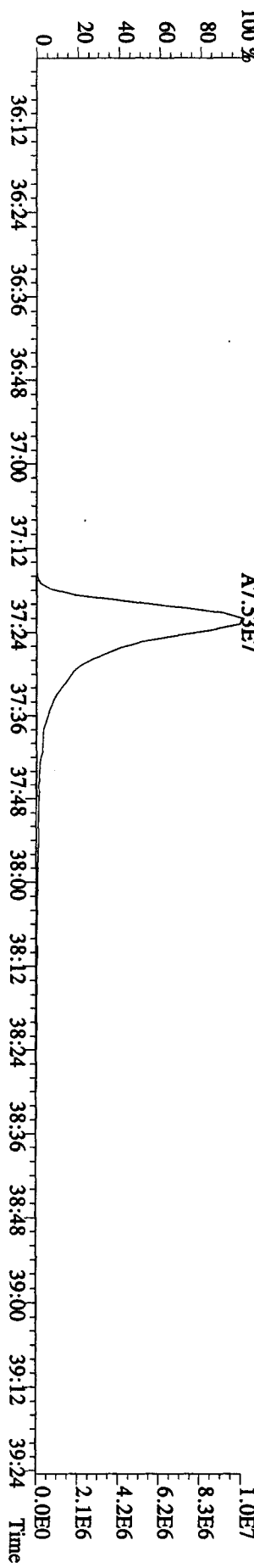
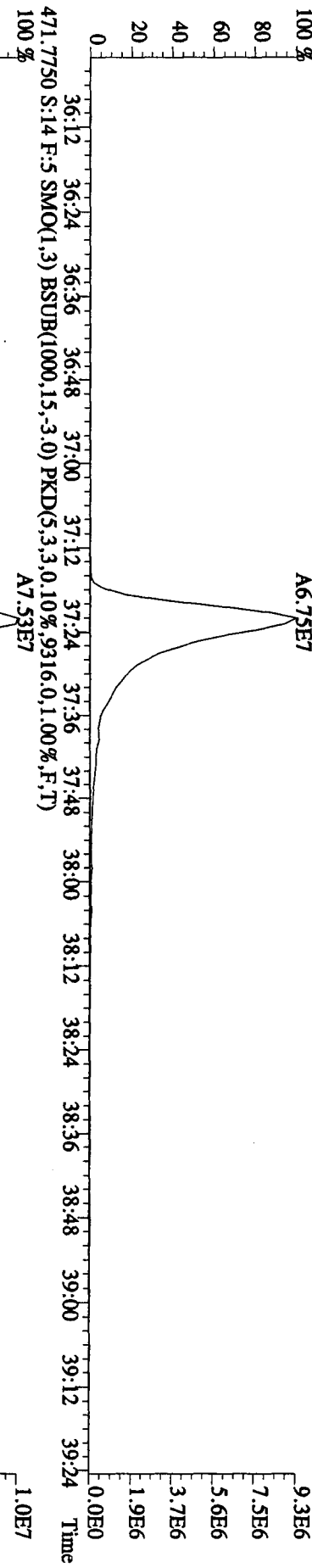
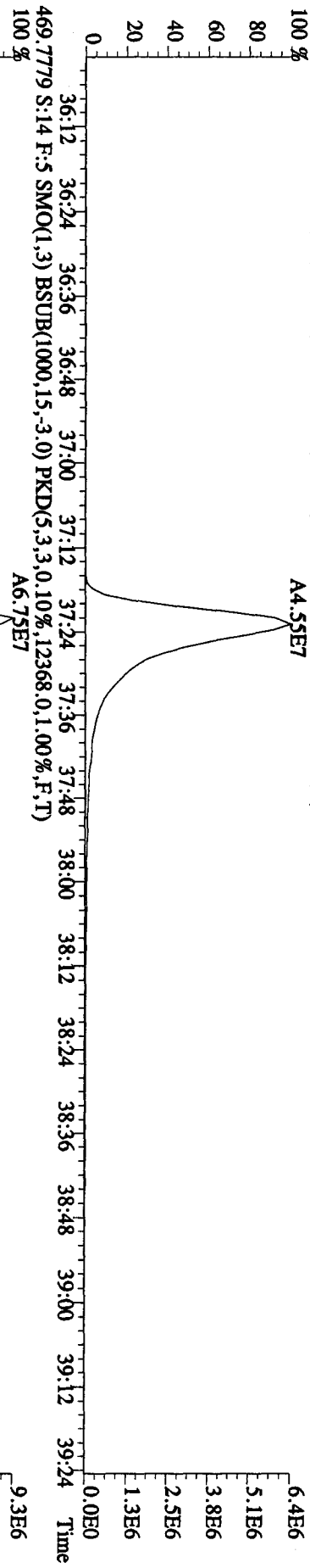
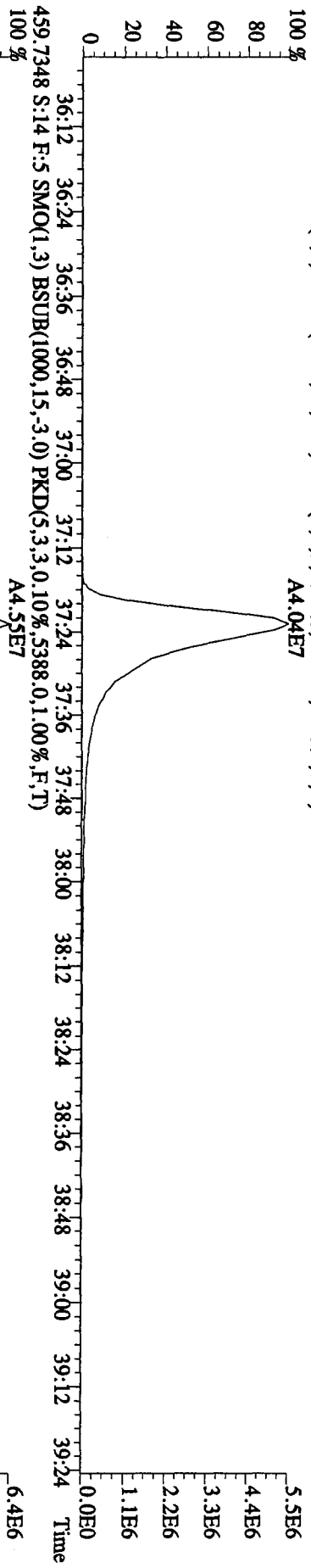


513.6775 S:14 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,5,100.00%,676.0,1.00%,F,T)

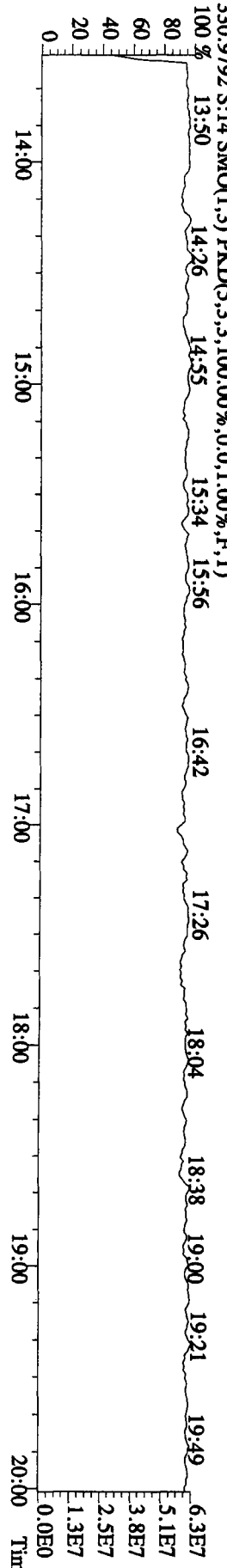
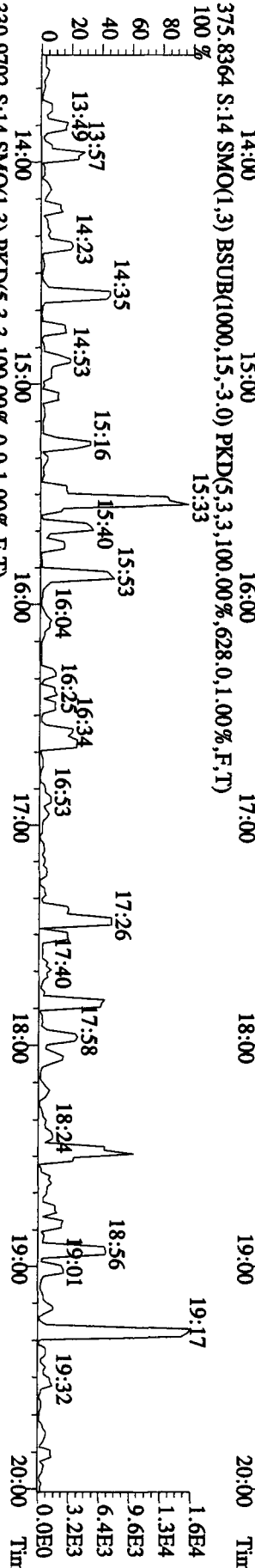
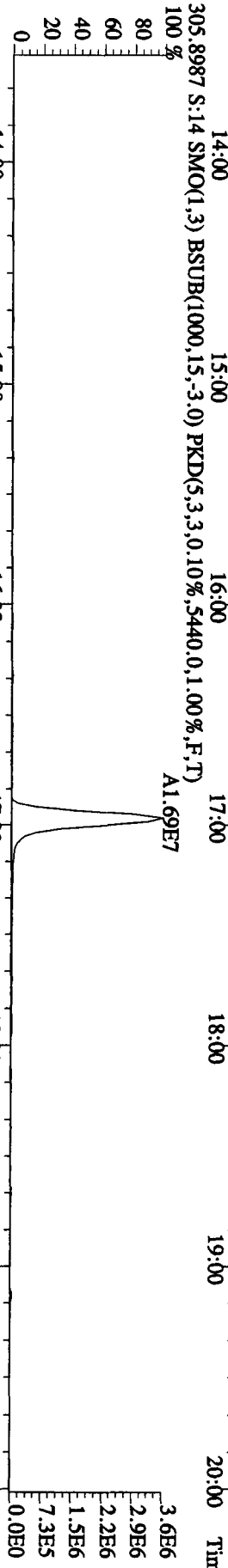
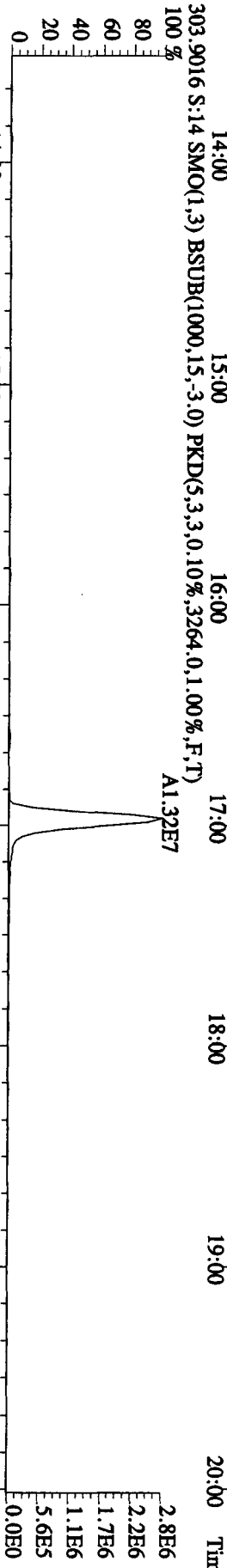
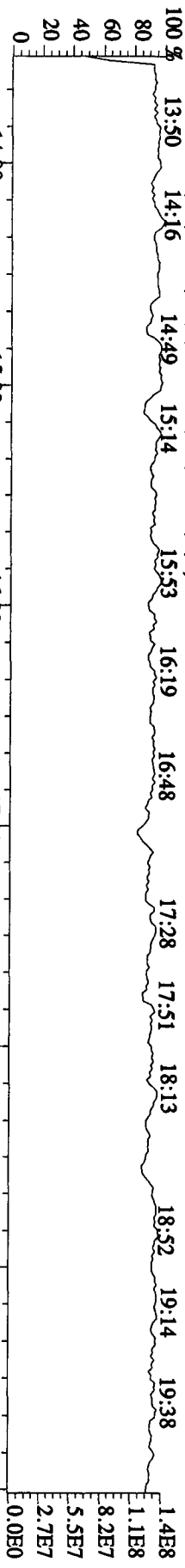


File:26AP10A1D5 #1-244 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE

Sample#14 Text:ST0426C :CS3 10DDXN111 Exp:DIOXIN
457.7377 S:14 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4932,0,1,00%,F,T)
100 % A4.04E7



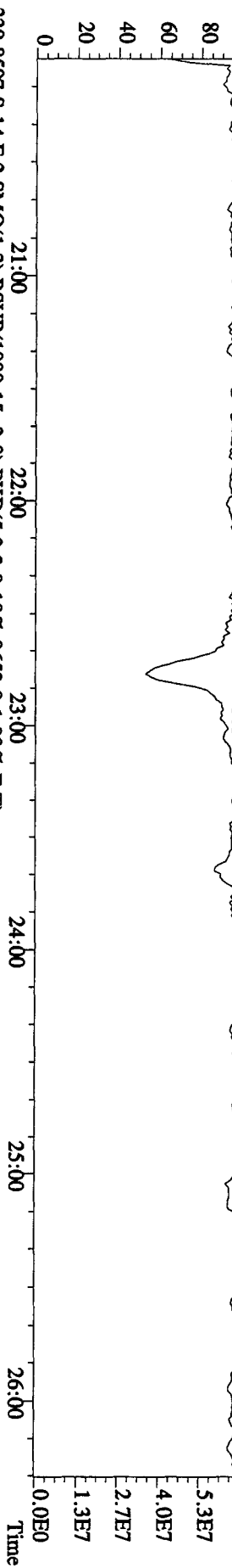
Sample#14 Text:ST0426C :CSS 10DXN111 Exp:DIOXIN



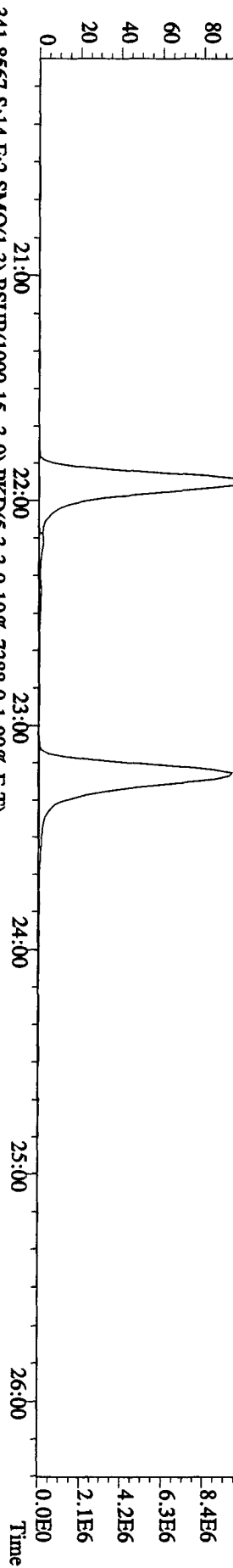
File:26API0A1ID5 #1-444 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE

Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN

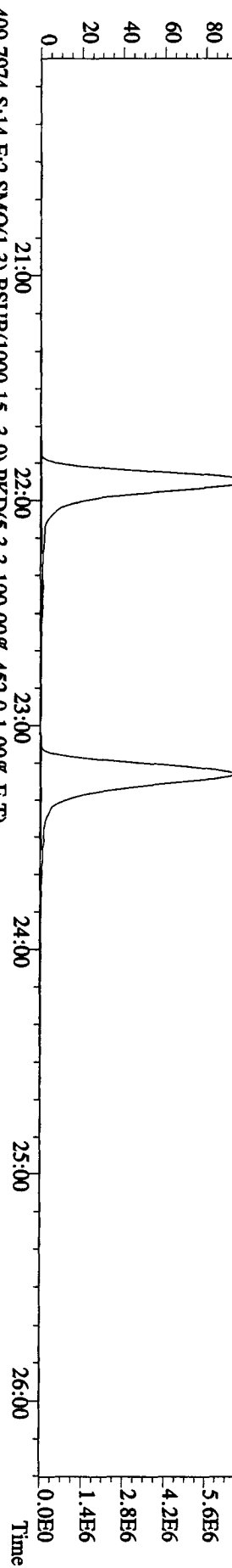
342.9792 S:14 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



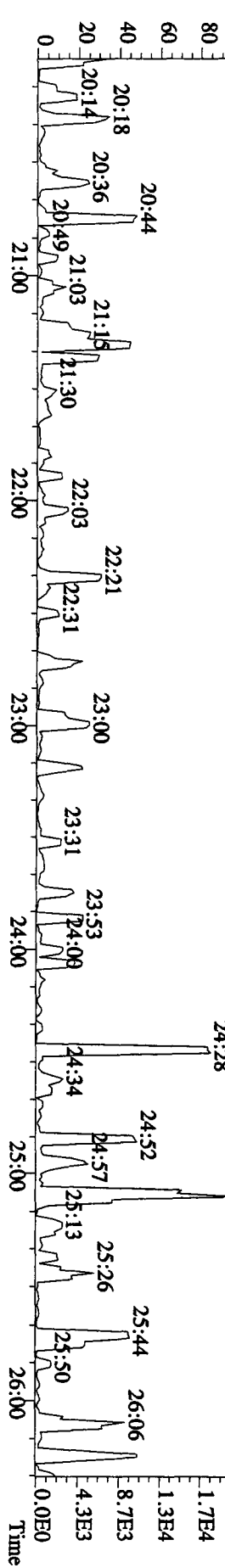
339.8597 S:14 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,9652.0,1.00%,F,T)



341.8567 S:14 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,7388.0,1.00%,F,T)



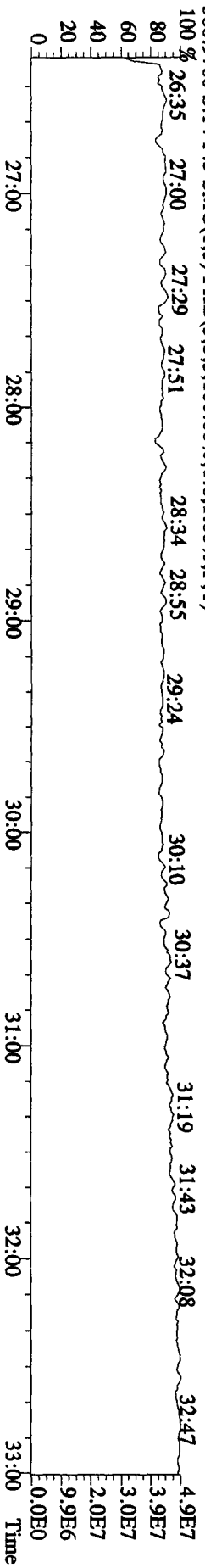
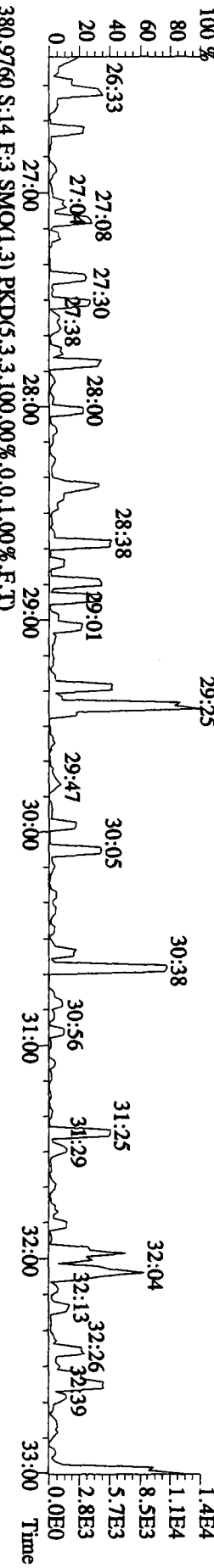
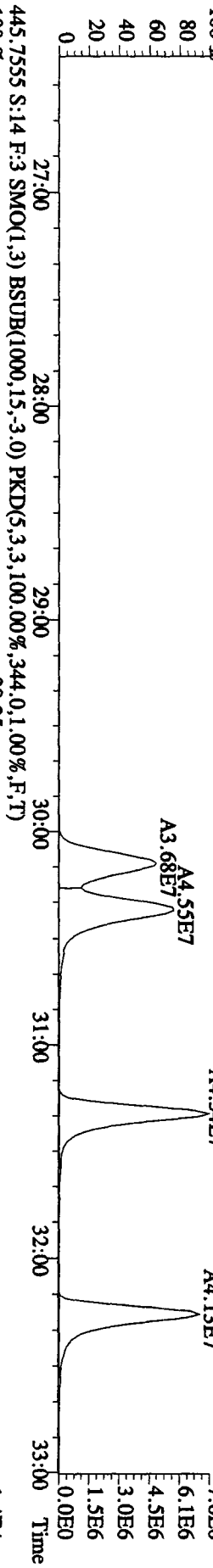
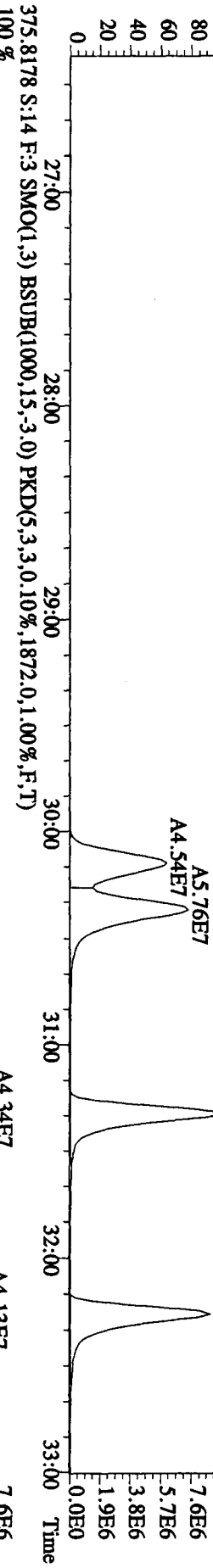
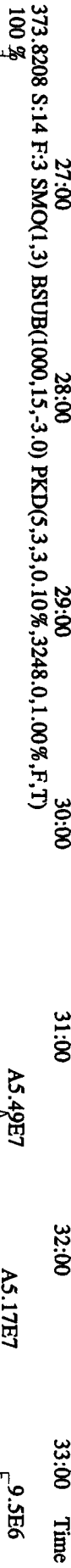
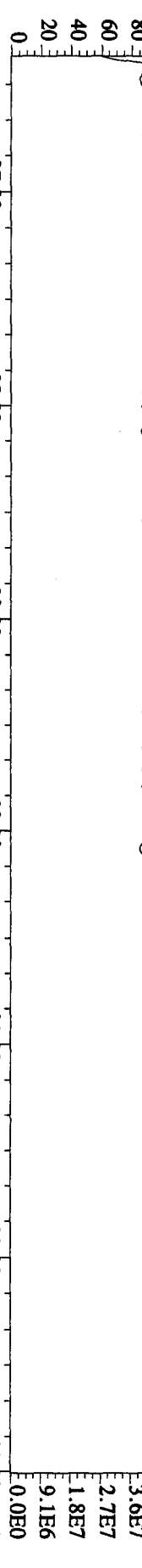
409.7974 S:14 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,452.0,1.00%,F,T)

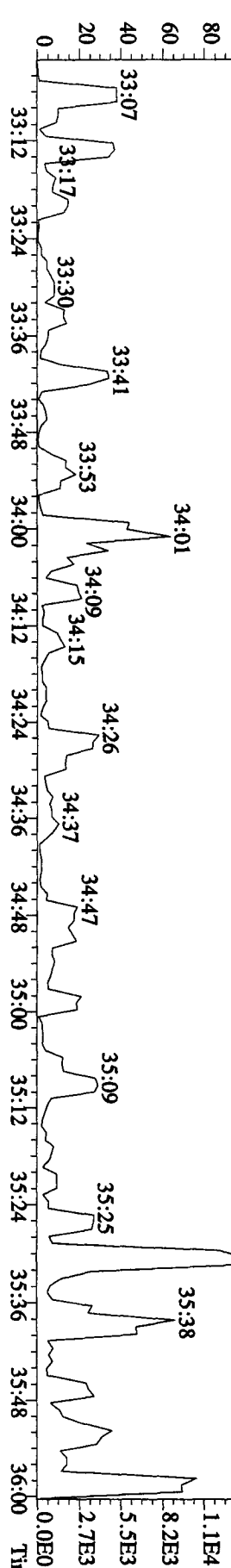
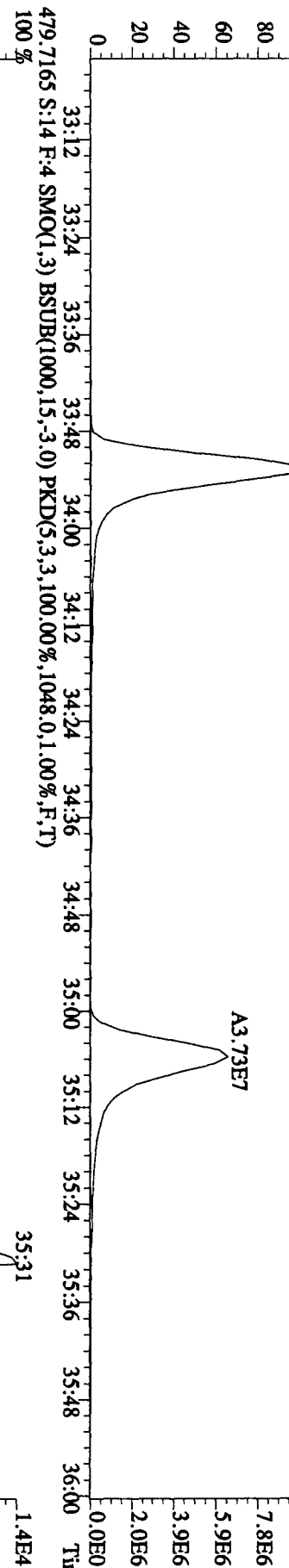
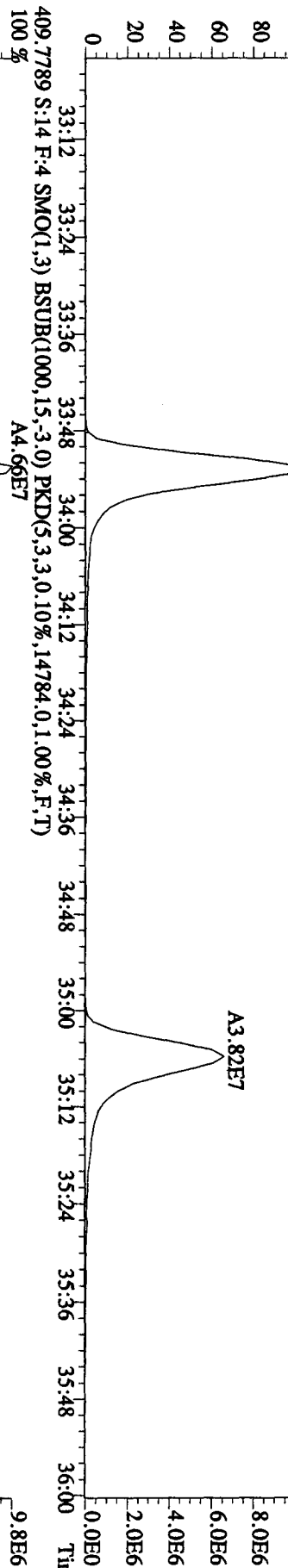
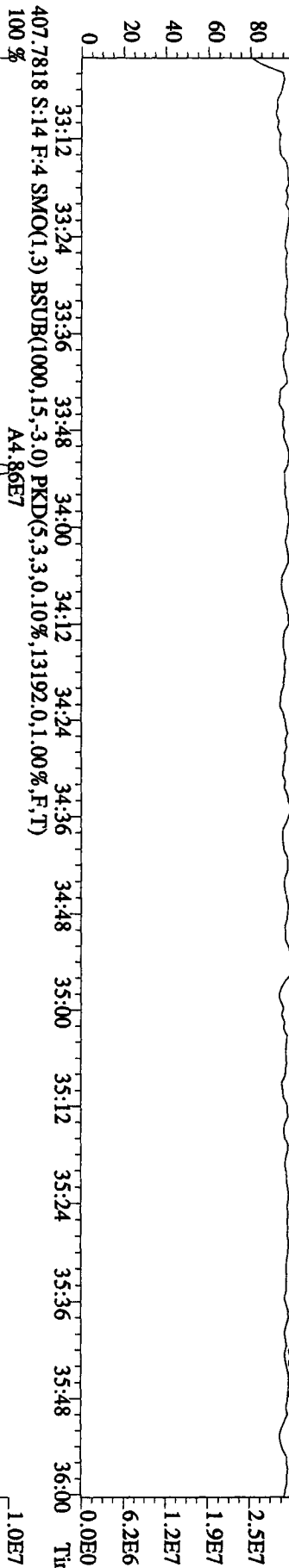
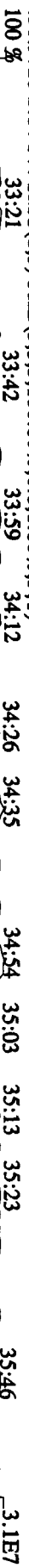


File:26AP10A1D5 #1-447 Acq:27-APR-2010 04:07:07 GC EI+ Voltage SIR 70SE

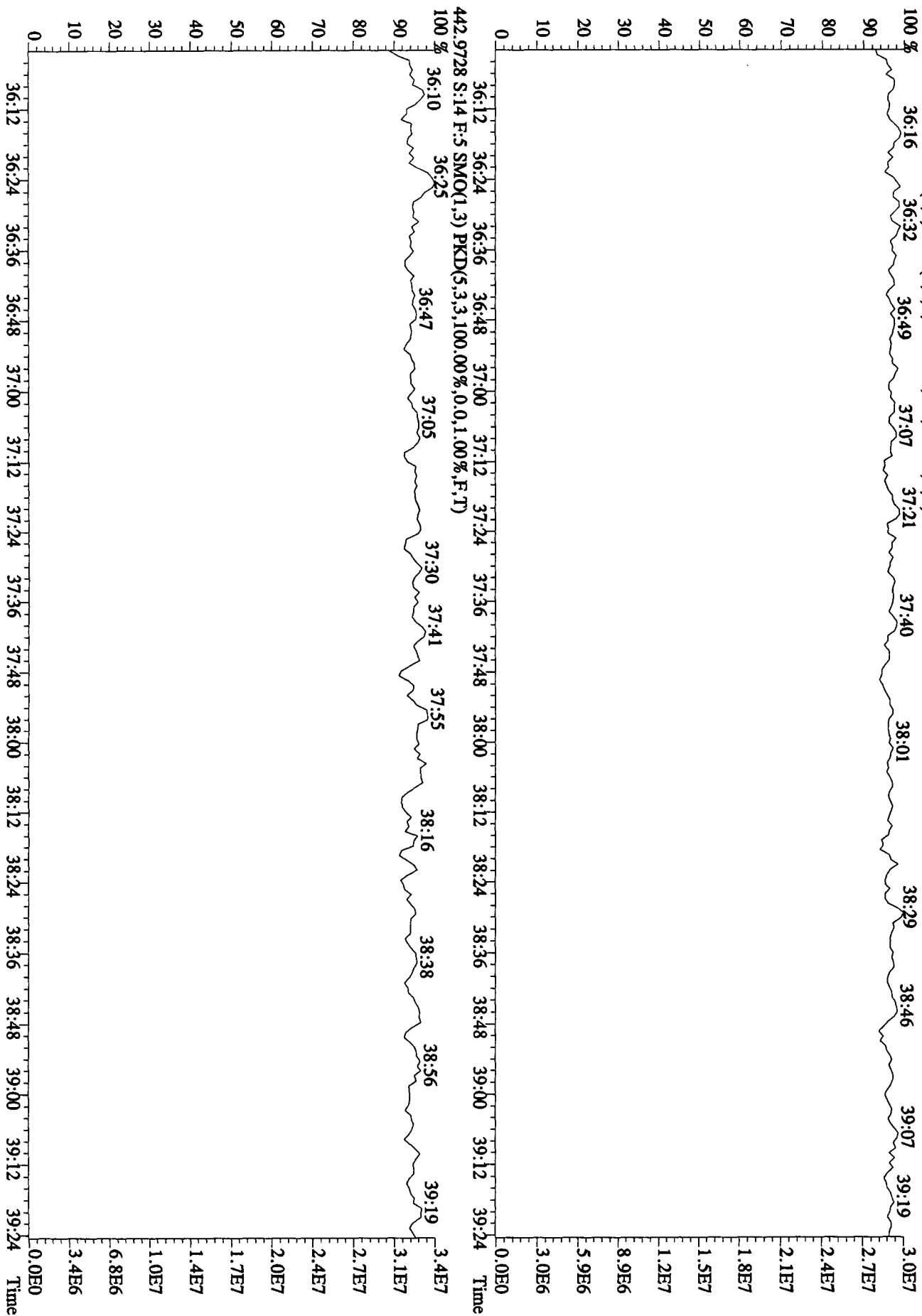
Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN

392.9760 S:14 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)





File:26API0A1D5 #1-244 Acq:27-APR-2010 04:07:07 GC EI + Voltage SIR 70SE
 Sample#14 Text:ST0426C :CS3 10DXN111 Exp:DIOXIN
 454.9728 S:14 F:5 SMO(1,3) PKD(5,3,100.00%,0.0,1.00%,F,T)
 100 % 36:16 36:32 36:49 37:07 37:21



Method ID 8290
 Column ID DB5
 STD ID ST0429, ST0429A
 Analyzed by M.G.
 Std. Pkg. By M.G.
 Std. Pkg. Reviewed By MEW

Associated ICAL 8290/23/09/105
 Instrument ID 105
 STD Solution 100XN111
 Date Analyzed 4/29/10
 Date Std. Pkg. Assembled 4/30/10
 Date Std. Pkg. Reviewed 4/30/10

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/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: ST0429 File text: ST0429 :CS3 10DXN111
 Run #6 Filename 29AP101D5 S: 1 I: 1
 Acquired: 29-APR-10 09:36:17 Processed: 29-APR-10 22:33:58
 Run: 29AP101D5 Analyte: 8290 Cal: 82901231091D5 Results: 29AP101D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	217647300	0.81 y	17:27	-	100.00	-	n
13C-2,3,7,8-TCDF	354941000	0.79 y	16:58	1.63	100.00	4.1	n
2,3,7,8-TCDF	32494800	0.81 y	16:59	0.92	10.00	6.5	n
Total TCDF	32769127	1.02 n	16:36	0.92	10.00	6.5	n
13C-2,3,7,8-TCDD	210132800	0.82 y	17:39	0.97	100.00	-2.8	n
2,3,7,8-TCDD	19803740	0.69 y	17:40	0.94	10.00	0.9	n
Total TCDD	20249670	1.83 n	14:37	0.94	10.00	0.9	n
37Cl-2,3,7,8-TCDD	47717000	1.00 y	17:40	2.19	10.00	-1.2	n
13C-1,2,3,7,8-PeCDF	251808500	1.66 y	21:52	1.16	100.00	7.8	n
1,2,3,7,8-PeCDF	131772000	1.60 y	21:54	1.05	50.00	4.7	n
2,3,4,7,8-PeCDF	129759700	1.63 y	23:12	1.03	50.00	9.8	n
Total F2 PeCDF	262648318	2.94 n	20:35	1.04	100.00	7.1	n
Total F1 PeCDF	427303	0.63 n	15:08	1.04	100.00	7.1	n
13C-1,2,3,7,8-PeCDD	146093600	1.70 y	23:54	0.67	100.00	0.7	n
1,2,3,7,8-PeCDD	78101900	1.63 y	23:56	1.07	50.00	15.1	n
Total PeCDD	78384141	1.63 y	23:56	1.07	50.00	15.1	n
13C-1,2,3,7,8,9-HxCDD	130951900	1.31 y	32:00	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	139053700	0.50 y	30:05	1.06	100.00	18.9	n
1,2,3,4,7,8-HxCDF	87031300	1.27 y	30:07	1.25	50.00	4.4	n
1,2,3,6,7,8-HxCDF	107229100	1.27 y	30:20	1.54	50.00	12.5	n
2,3,4,6,7,8-HxCDF	94003500	1.28 y	31:18	1.35	50.00	8.9	n
1,2,3,7,8,9-HxCDF	81124900	1.27 y	32:14	1.17	50.00	-12.0	n
Total HxCDF	369638537	1.27 y	30:07	1.33	200.00	3.4	n
13C-1,2,3,6,7,8-HxCDD	123685000	1.19 y	31:37	0.94	100.00	29.0	n
1,2,3,4,7,8-HxCDD	55005800	1.42 y	31:31	0.89	50.00	-8.3	n
1,2,3,6,7,8-HxCDD	75125900	1.19 y	31:39	1.21	50.00	14.8	n
1,2,3,7,8,9-HxCDD	70047400	1.31 y	32:01	1.13	50.00	-11.2	n
Total HxCDD	200179100	1.42 y	31:31	1.08	150.00	-2.0	n
13C-1,2,3,4,6,7,8-HpCDF	112957200	0.42 y	33:51	0.86	100.00	0.3	n
1,2,3,4,6,7,8-HpCDF	75763300	1.03 y	33:52	1.34	50.00	4.3	n
1,2,3,4,7,8,9-HpCDF	57987200	1.03 y	35:04	1.03	50.00	-9.6	n
Total HpCDF	134482785	1.03 y	33:52	1.18	100.00	-2.2	n
13C-1,2,3,4,6,7,8-HpCDD	95283400	1.12 y	34:44	0.73	100.00	-3.3	n
1,2,3,4,6,7,8-HpCDD	49978600	1.10 y	34:45	1.05	50.00	5.1	n
Total HpCDD	50191548	0.76 n	33:14	1.05	50.00	5.1	n
13C-OCDD	107137000	0.93 y	37:21	0.41	200.00	-27.5	n
OCDF	78059400	0.87 y	37:27	1.46	100.00	1.4	n
OCDD	65116000	0.87 y	37:22	1.22	100.00	9.6	n

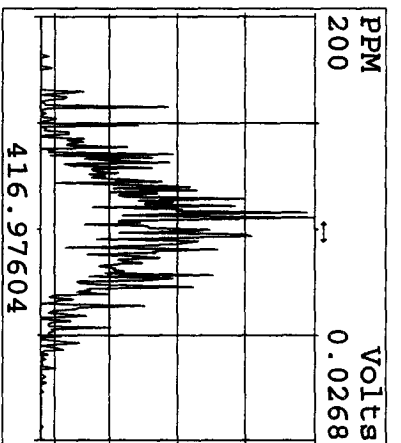
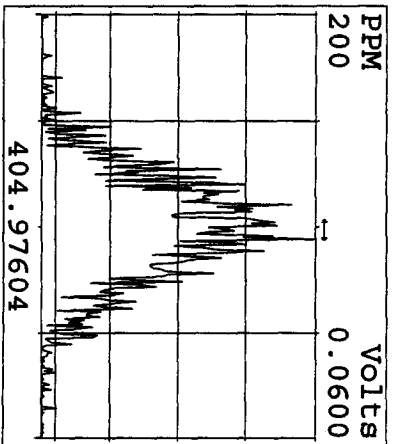
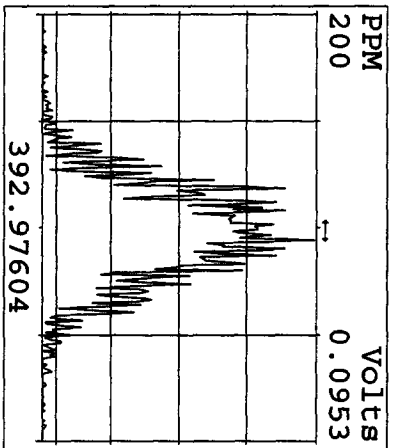
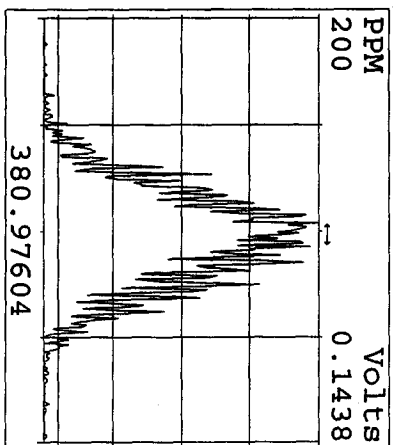
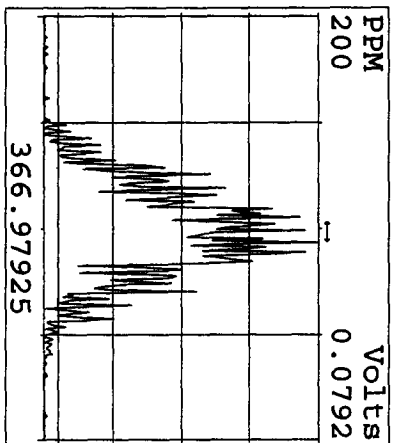
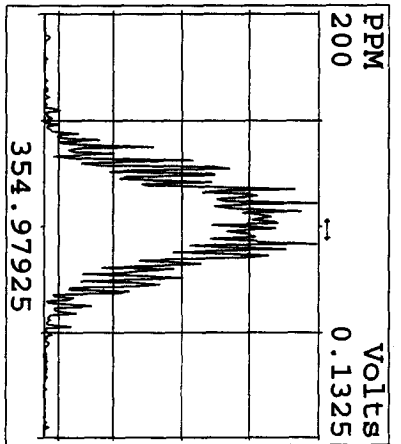
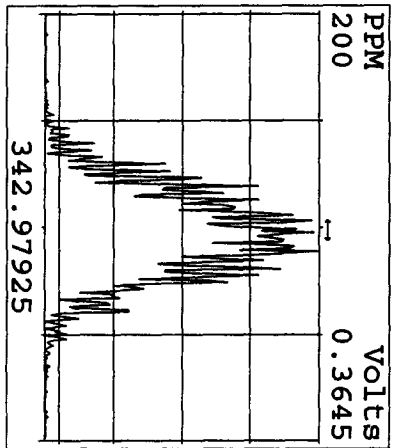
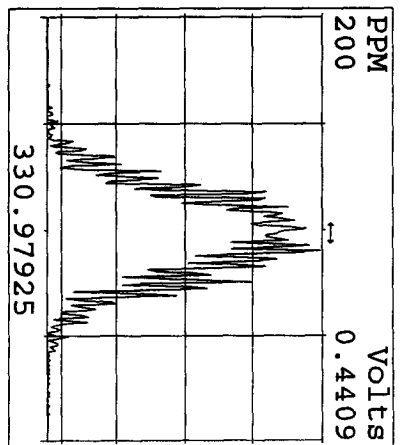
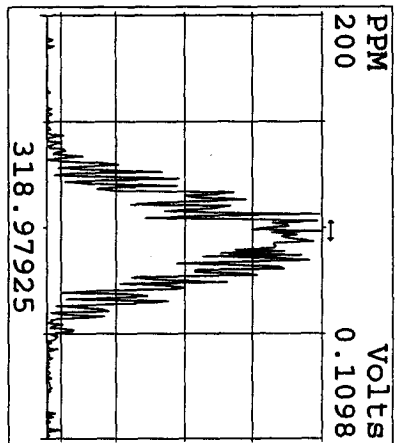
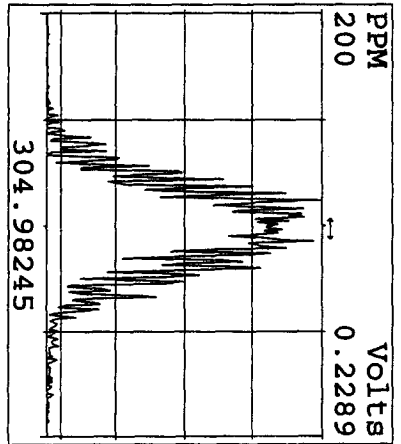
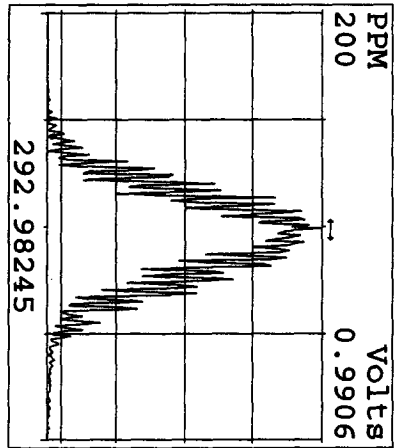
Run text: ST0429A File text: ST0429A :CS3 10DXN111
 Run #18 Filename 29AP101D5 S: 18 I: 1
 Acquired: 29-APR-10 22:01:32 Processed: 29-APR-10 22:45:01
 Run: 29AP101D5 Analyte: 8290 Cal: 82901231091D5 Results: 29AP101D58290

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	203474400	0.83 y	17:22	-	100.00	-	n
13C-2,3,7,8-TCDF	324040000	0.79 y	16:52	1.59	100.00	1.7	n
2,3,7,8-TCDF	29026300	0.76 y	16:54	0.90	10.00	4.2	n
Total TCDF	29237105	0.92 n	15:02	0.90	10.00	4.2	n
13C-2,3,7,8-TCDD	214487400	0.80 y	17:33	1.05	100.00	6.1	n
2,3,7,8-TCDD	20745620	0.80 y	17:35	0.97	10.00	3.6	n
Total TCDD	20968921	1.05 n	16:51	0.97	10.00	3.6	n
37Cl-2,3,7,8-TCDD	47863200	1.00 y	17:35	2.35	10.00	6.1	n
13C-1,2,3,7,8-PeCDF	243216000	1.66 y	21:45	1.20	100.00	11.4	n
1,2,3,7,8-PeCDF	124384600	1.62 y	21:47	1.02	50.00	2.3	n
2,3,4,7,8-PeCDF	127062400	1.60 y	23:04	1.04	50.00	11.3	n
Total F2 PeCDF	252772867	2.05 n	20:28	1.03	100.00	6.7	n
Total F1 PeCDF	324365	0.45 n	13:43	1.03	100.00	6.7	n
13C-1,2,3,7,8-PeCDD	149171700	1.68 y	23:46	0.73	100.00	10.0	n
1,2,3,7,8-PeCDD	78357100	1.64 y	23:48	1.05	50.00	13.1	n
Total PeCDD	78357100	1.64 y	23:48	1.05	50.00	13.1	n
13C-1,2,3,7,8,9-HxCDD	168993400	1.33 y	31:57	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	167299000	0.50 y	29:59	0.99	100.00	10.9	n
1,2,3,4,7,8-HxCDF	100161600	1.28 y	30:00	1.20	50.00	-0.1	n
1,2,3,6,7,8-HxCDF	116244100	1.27 y	30:15	1.39	50.00	1.3	n
2,3,4,6,7,8-HxCDF	114765800	1.24 y	31:14	1.37	50.00	10.5	n
1,2,3,7,8,9-HxCDF	102747300	1.28 y	32:12	1.23	50.00	-7.4	n
Total HxCDF	433918800	1.28 y	30:00	1.30	200.00	1.0	n
13C-1,2,3,6,7,8-HxCDD	147872700	1.32 y	31:34	0.88	100.00	19.5	n
1,2,3,4,7,8-HxCDD	71699200	1.29 y	31:28	0.97	50.00	0.0	n
1,2,3,6,7,8-HxCDD	87712400	1.29 y	31:35	1.19	50.00	12.1	n
1,2,3,7,8,9-HxCDD	90749400	1.27 y	31:58	1.23	50.00	-3.8	n
Total HxCDD	250161000	1.29 y	31:28	1.13	150.00	2.4	n
13C-1,2,3,4,6,7,8-HpCDF	142587600	0.42 y	33:49	0.84	100.00	-1.9	n
1,2,3,4,6,7,8-HpCDF	93305800	1.06 y	33:49	1.31	50.00	1.7	n
1,2,3,4,7,8,9-HpCDF	84354000	1.06 y	35:02	1.18	50.00	4.2	n
Total HpCDF	177659800	1.06 y	33:49	1.25	100.00	2.9	n
13C-1,2,3,4,6,7,8-HpCDD	139087600	1.03 y	34:42	0.82	100.00	9.4	n
1,2,3,4,6,7,8-HpCDD	70517200	1.07 y	34:43	1.01	50.00	1.6	n
Total HpCDD	70872728	0.71 n	34:05	1.01	50.00	1.6	n
13C-OCDD	210507300	0.90 y	37:18	0.62	200.00	10.3	n
OCDF	136092100	0.90 y	37:25	1.29	100.00	-10.0	n
OCDD	119501000	0.87 y	37:19	1.14	100.00	2.3	n

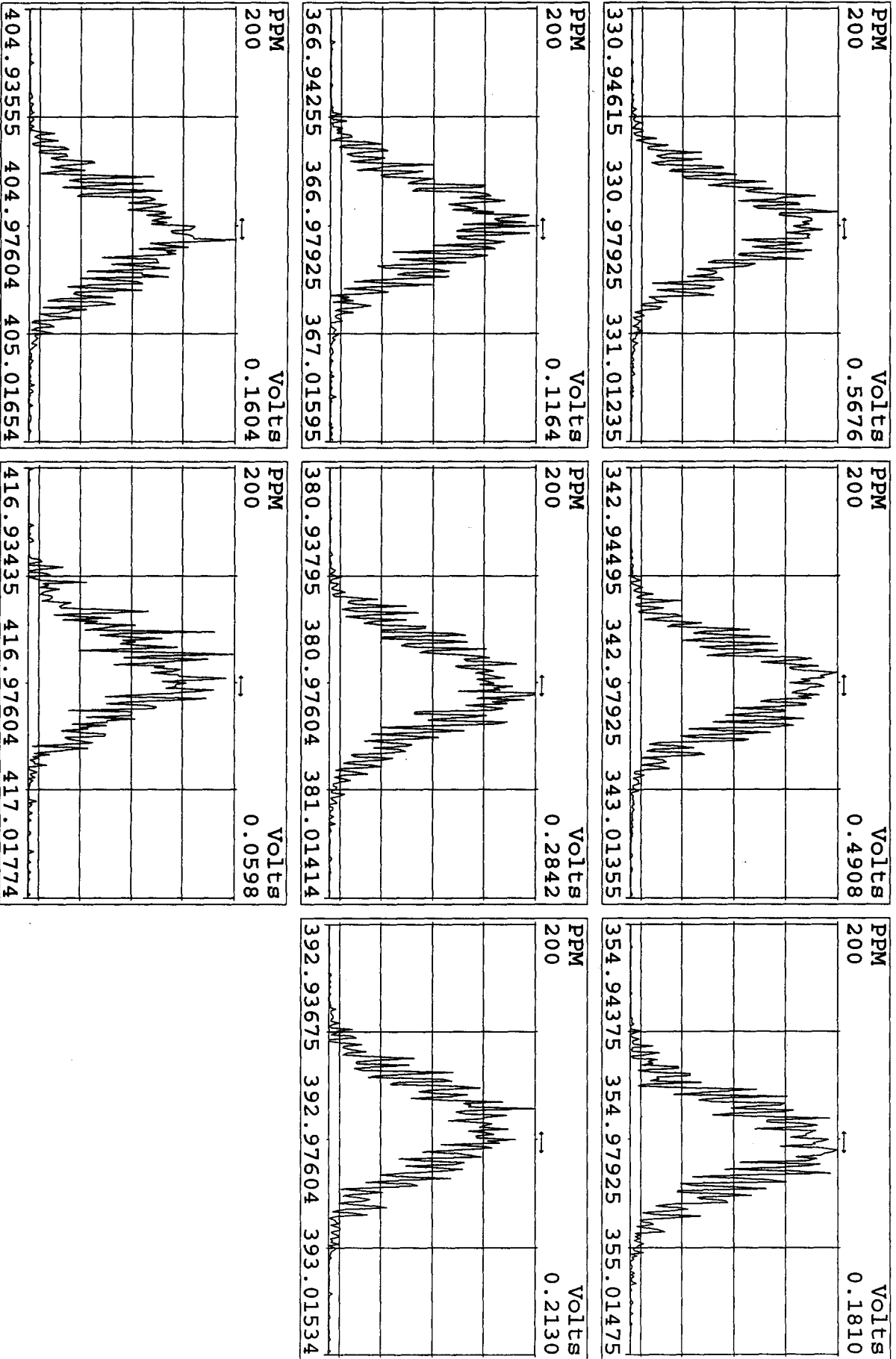
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29AP101D5	3	SB0429	Solvent Blank C-14				1.00000	
29AP101D5	4	LX0PR-1-AE	G0D140543-10	10	8290/SOLID	77	10.05000	g
29AP101D5	5	LON3A-1-AA	G0D280586-1	20	8290/SOLID	SCR2	0.02000	g
29AP101D5	6	LON3E-1-AA	G0D280586-2	20	8290/SOLID		0.02024	g
29AP101D5	7	LON3F-1-AA	G0D280586-3	20	8290/SOLID		0.02024	g
29AP101D5	8	LX0PR-1-AF	G0D140543-10MS	10	8290/SOLID	77	10.02000	g
29AP101D5	9	LX0PR-1-AG	G0D140543-10SD	10	8290/SOLID		10.12000	g
29AP101D5	10	LX295-1-AD	G0D160435-1	10	8290/SOLID		10.49000	g
29AP101D5	11	LX299-1-AD	G0D160435-3	10	8290/SOLID		10.02000	g
29AP101D5	12	LX3AC-1-AD	G0D160435-5	10	8290/SOLID		10.61000	g
29AP101D5	13	LX3AG-1-AD	G0D160435-9	10	8290/SOLID		10.10000	g
29AP101D5	14	LX3AL-1-AD	G0D160435-13	10	8290/SOLID		10.42000	g
29AP101D5	15	LX3AT-1-AC	G0D160435-19	10	8290/SOLID		10.46000	g
29AP101D5	16	L0E7B-1-AC	G0D160435-11LCS	10	8290/SOLID	80	10.00000	g
29AP101D5	17	SB0429A	Solvent Blank C-14				1.00000	
29AP101D5	18	ST0429A	CS3 10DXN111				1.00000	
29AP101D5	19	CP0429A	DB-5 CPSM 3732-05				1.00000	
29AP101D5	20	SB0429B	Solvent Blank C-14				1.00000	
29AP101D5	21	L0E7B-1-AA	G0D160435-11MB	10	8290/SOLID	80	10.00000	g
29AP101D5	22	LX3AJ-1-AD	G0D160435-11	10	8290/SOLID		10.70000	g
29AP101D5	23	LX3AN-1-AC	G0D160435-15	10	8290/SOLID	79	10.00000	g
29AP101D5	24	LX17G-1-AA	G0D150538-1	20	8290/WATER	74	1.00120	L
29AP101D5	25	LX0PA-1-AA	G0D140540-1	20	8290/WATER		0.99020	L
29AP101D5	26	LX0N3-1-AA	G0D140538-1	20	8290/WATER		1.01800	L
29AP101D5	27	LX175-1-AA	G0D150548-1	20	8290/WATER		0.98210	L
29AP101D5	28	LX17V-1-AA	G0D150545-1	20	8290/WATER		0.97650	L
29AP101D5	29	LX18K-1-AA	G0D150551-1	20	8290/WATER		0.97000	L
29AP101D5	30	LX48E-1-AA	G0D160614-1	20	8290/SOLID	80	10.41000	g
29AP101D5	31	LX48F-1-AA	G0D160614-2	20	8290/SOLID		10.35000	g
29AP101D5	32	LX48G-1-AA	G0D160614-3	20	8290/SOLID		10.01000	g
29AP101D5	33	LX48H-1-AA	G0D160614-4	20	8290/SOLID		10.14000	g
29AP101D5	34	SB0429C	Solvent Blank C-14				1.00000	
29AP101D5	35	ST0429C	CS3 10DXN111				1.00000	
29AP101D5	36	ST0429D	CS3 10DXN111				1.00000	
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29AP101D5	38						1.00000	
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logf. 1e v'd
9/30/16
NR

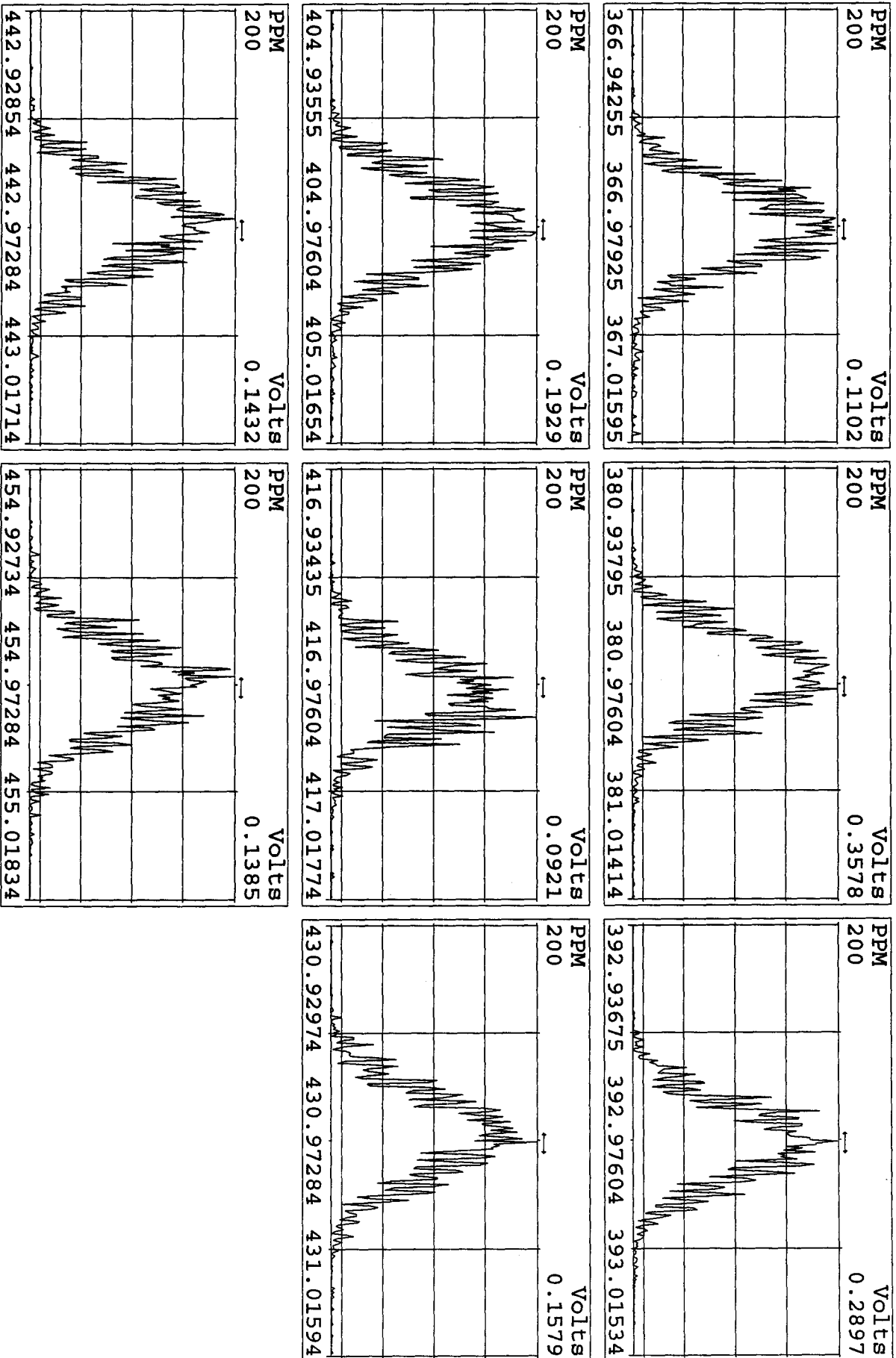
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Experiment: DIOXINRES Function: 1 Reference: PFK



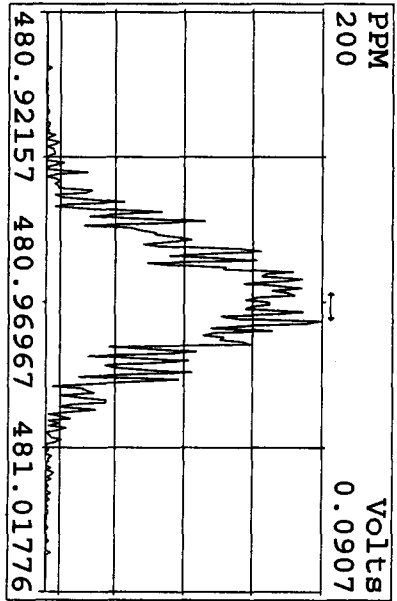
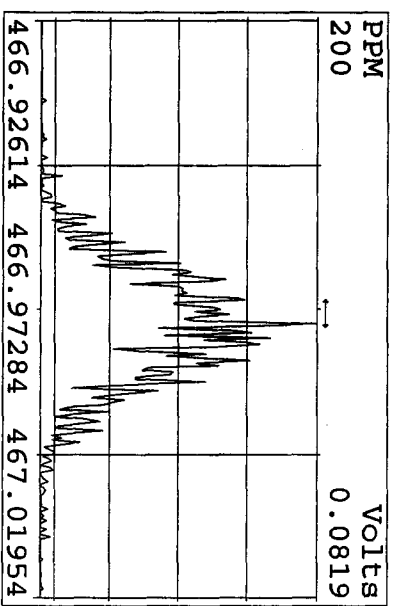
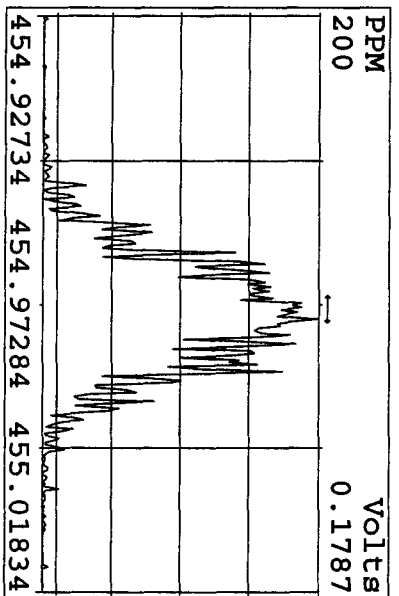
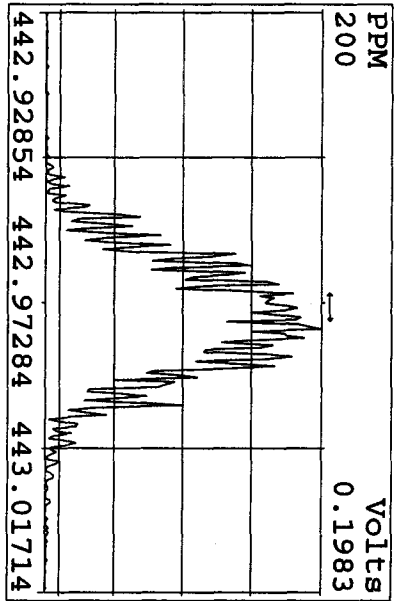
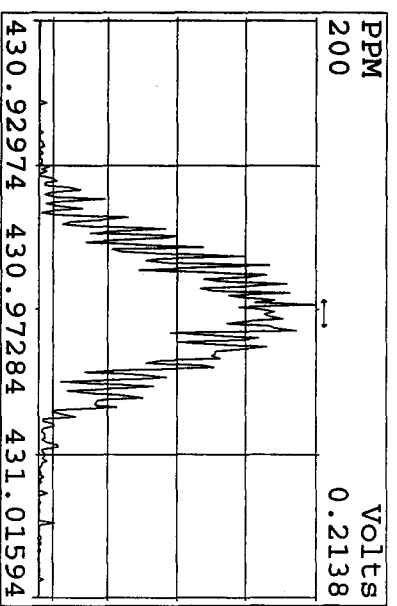
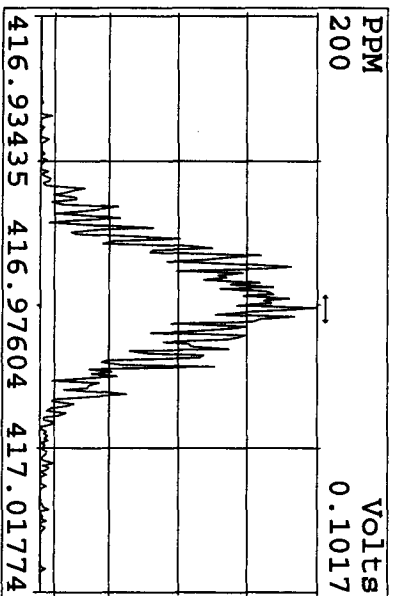
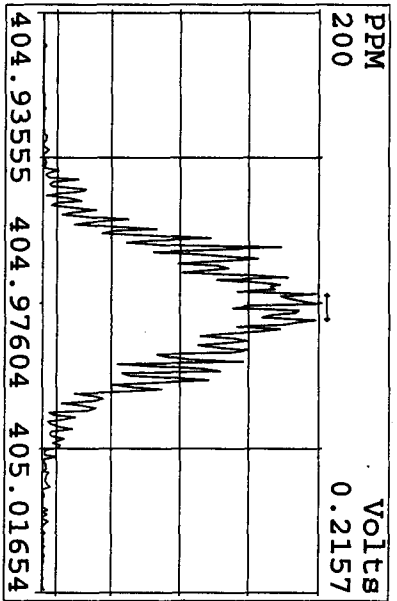
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 Experiment: DIOXINRES Function: 2 Reference: PFK



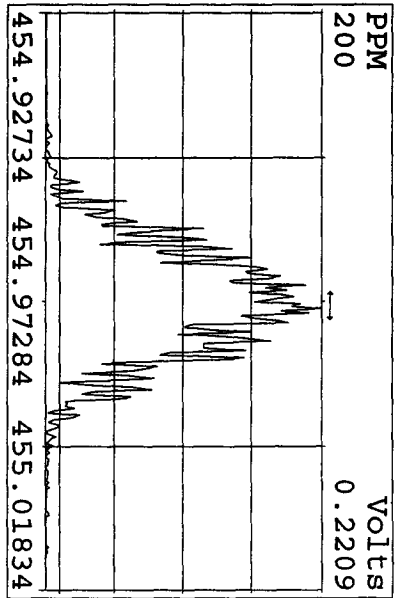
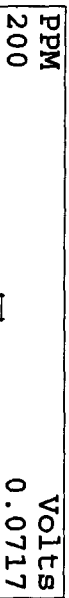
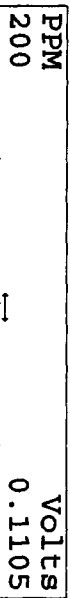
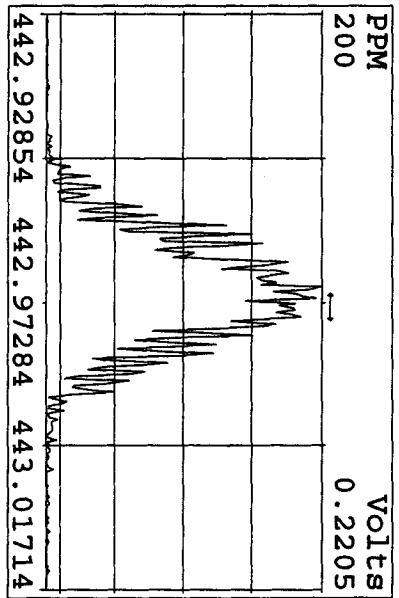
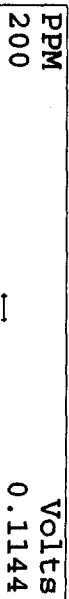
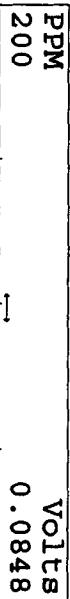
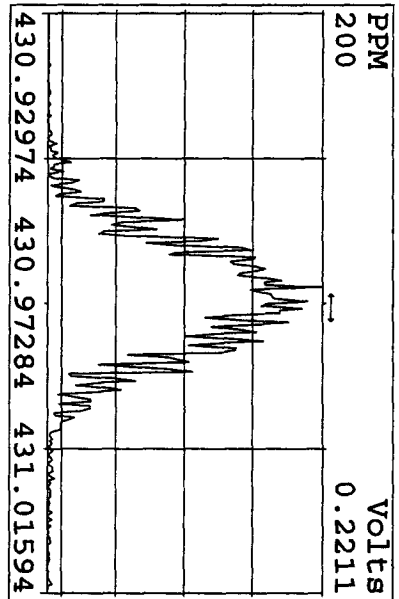
Peak Locate Examination: 29-APR-2010:09:34 File: 29AP101D5
 Experiment: DIOXINRES Function: 3 Reference: PFK



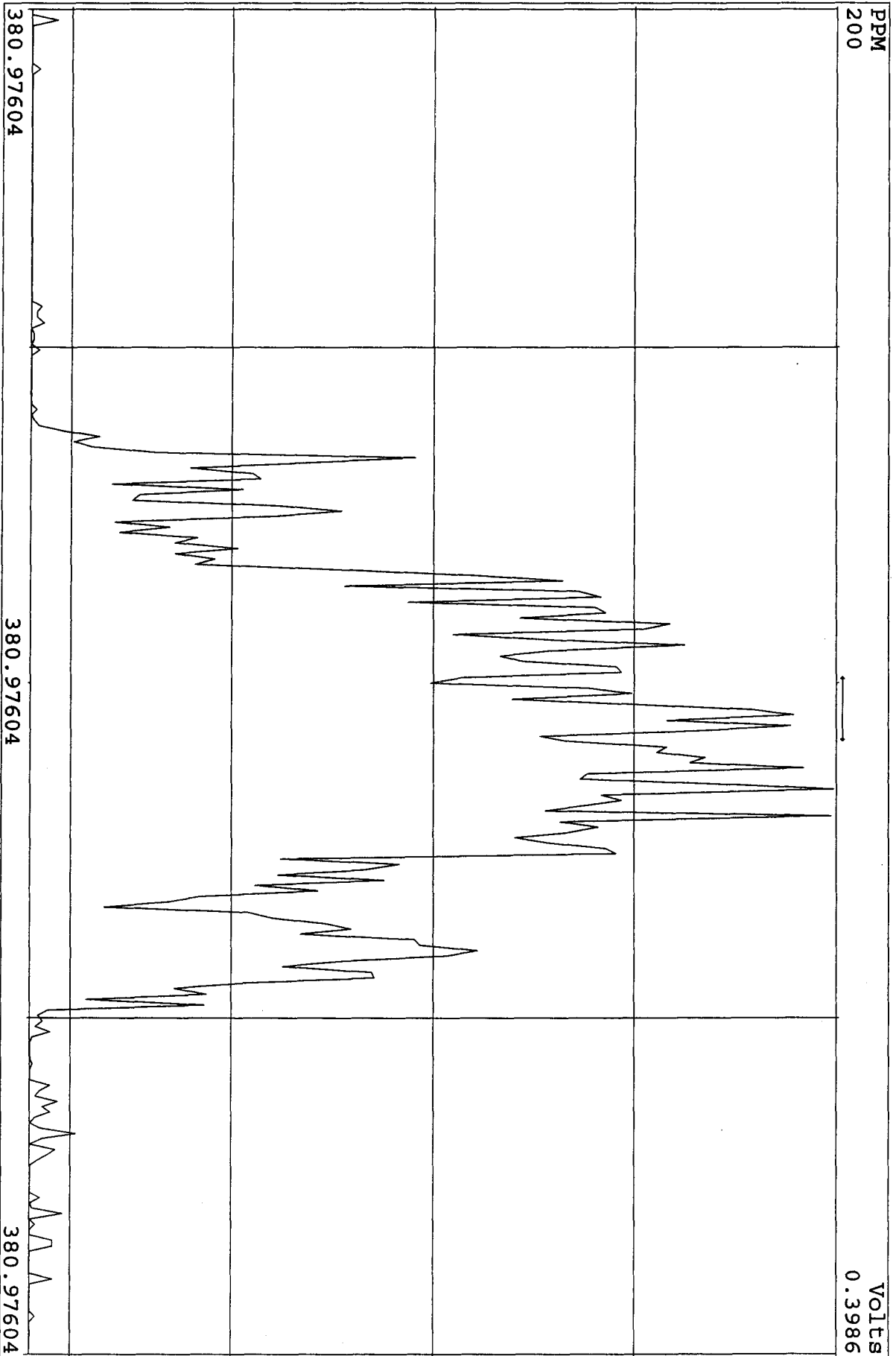
Peak Locate Examination: 29-APR-2010:09:34 File: 29AP101D5
 Experiment: DIOXINRES Function: 4 Reference: PFK



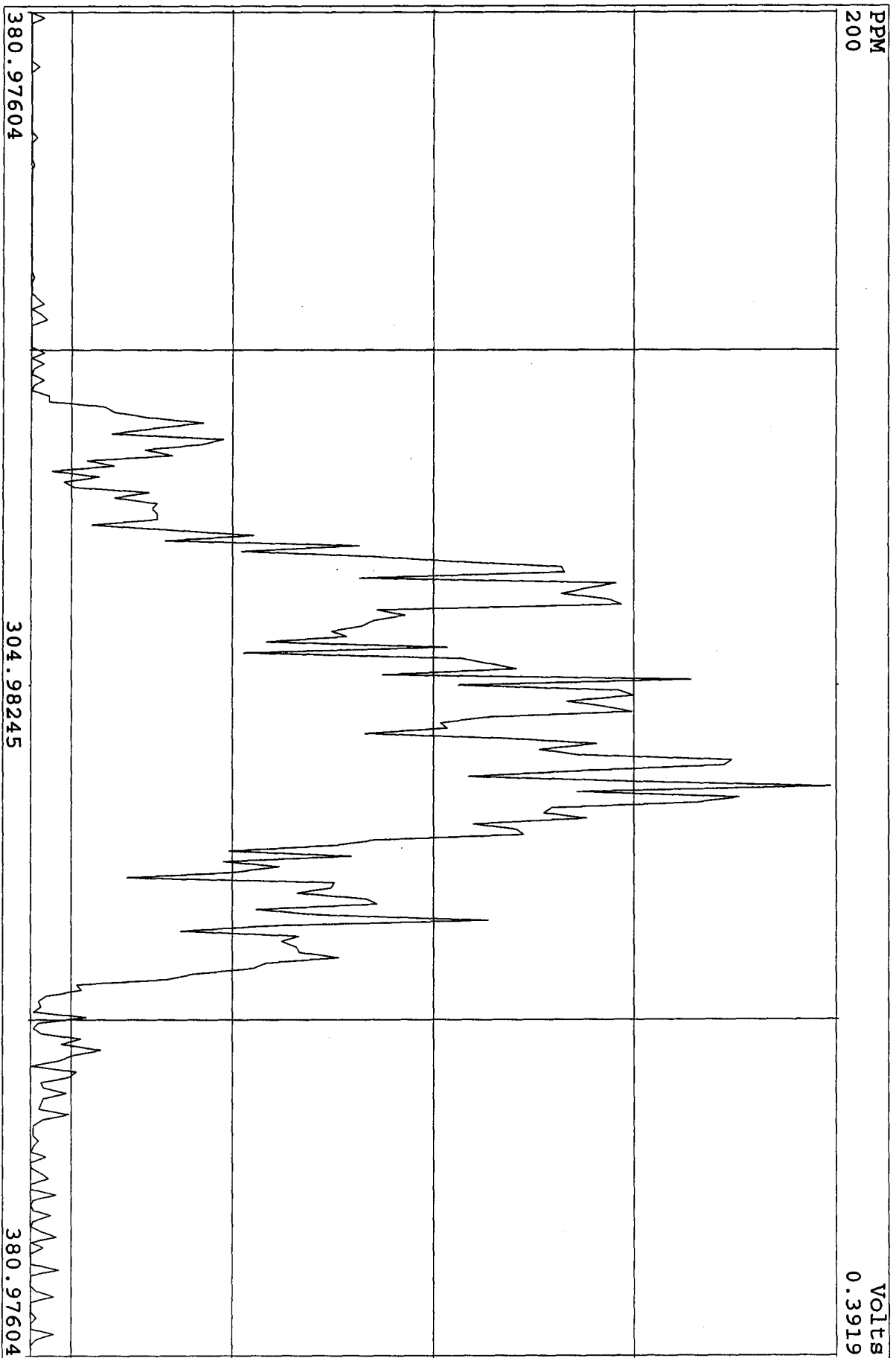
Peak Locate Examination: 29-APR-2010:09:35 File: 29API01D5
 Experiment: DIOXINRES Function: 5 Reference: PFK



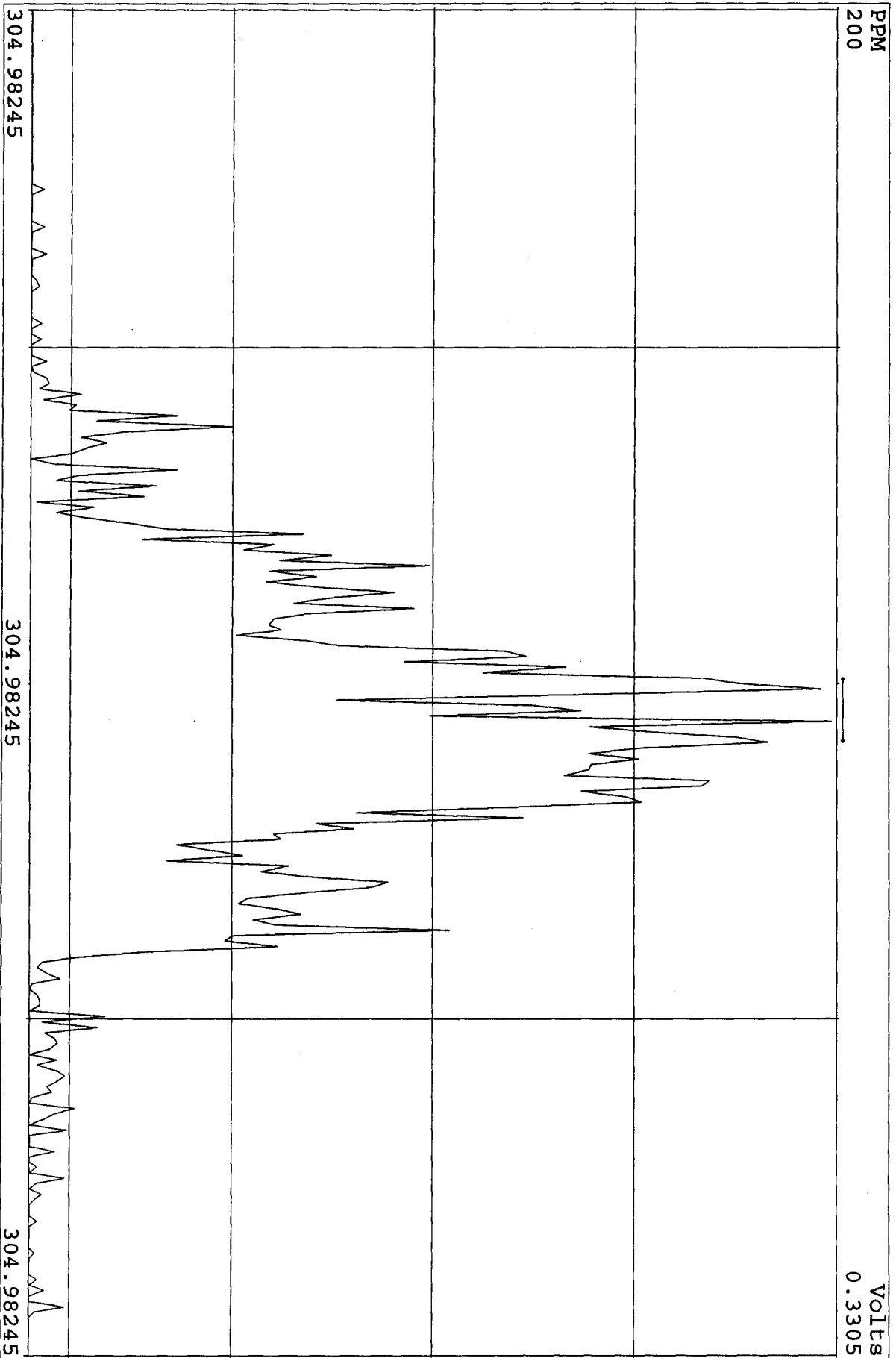
SIRLM Examination: 29-APR-2010:21:15 File: 29AP101D5
Experiment: DIOXINRES Function: 6



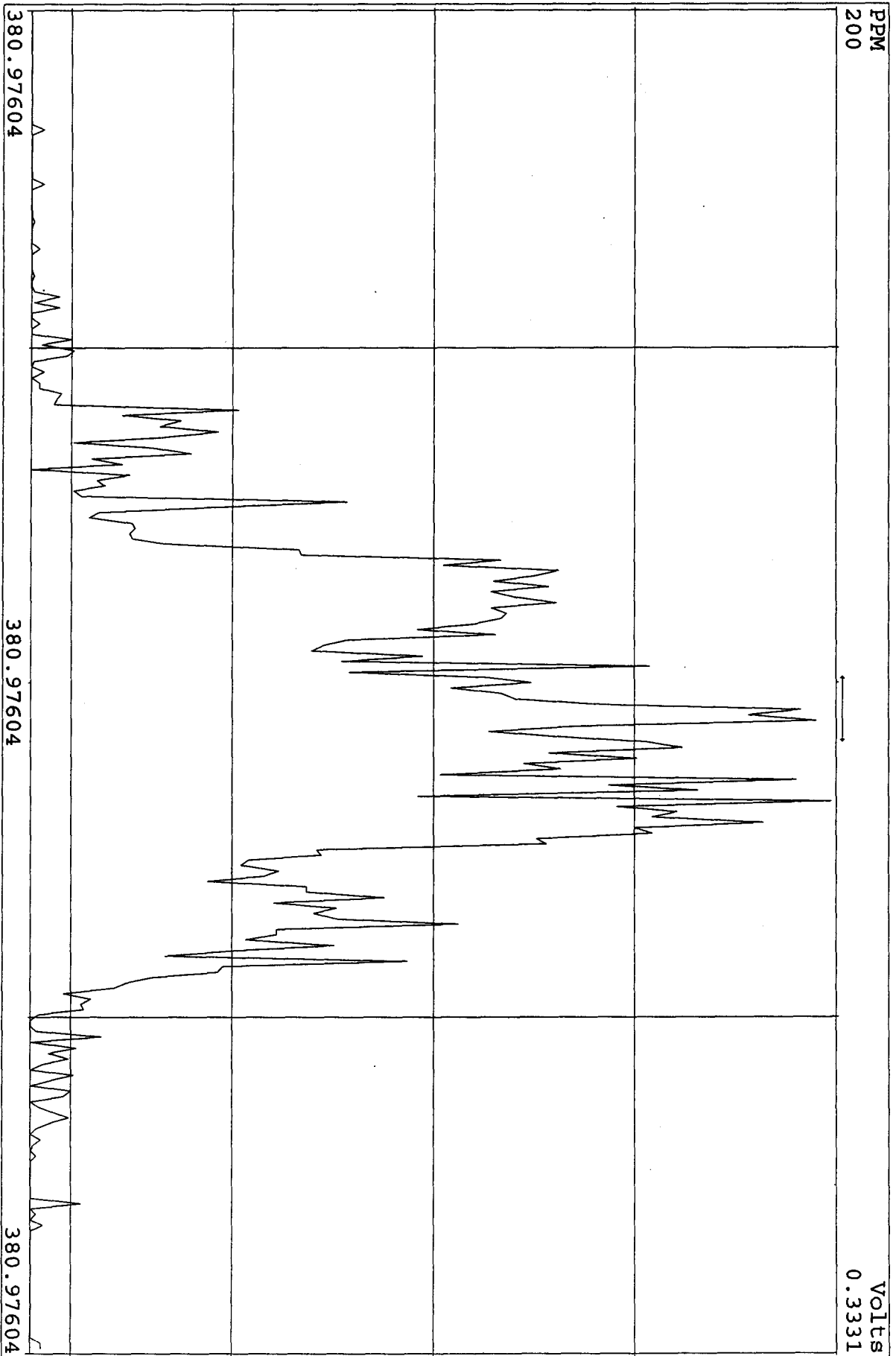
SIRLM Examination: 29-APR-2010: 21:16 File: 29AP101D5
Experiment: DIOXINRES Function: 7



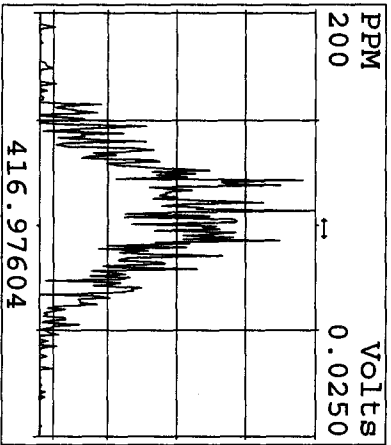
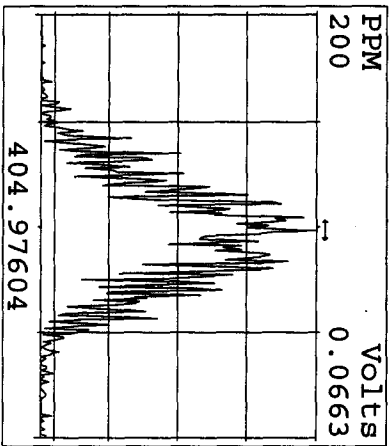
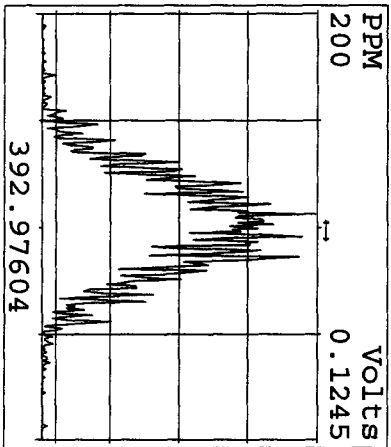
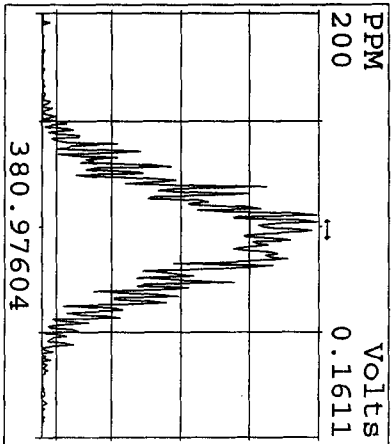
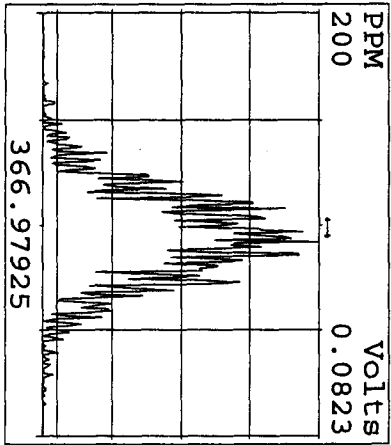
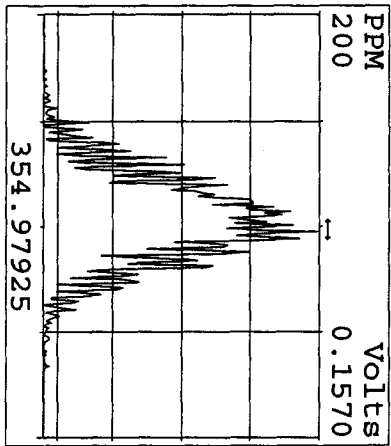
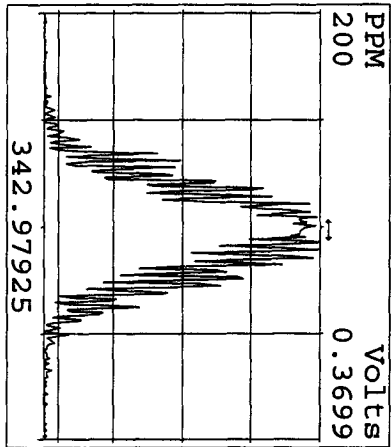
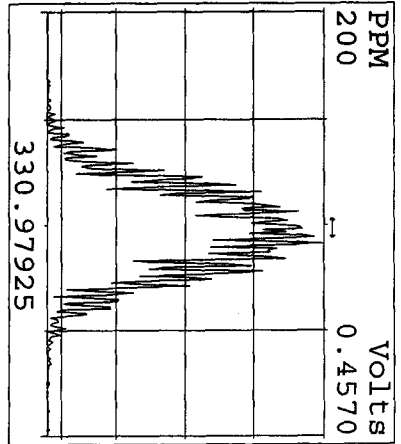
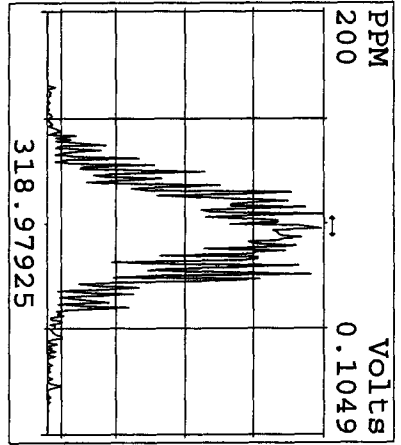
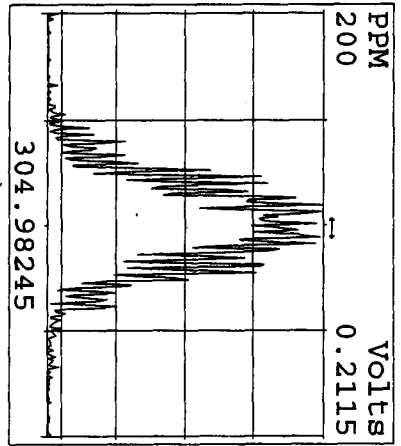
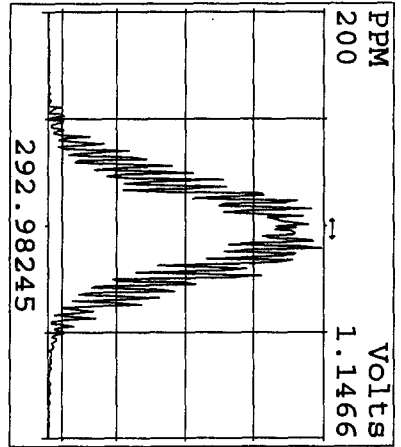
SIRLM Examination: 30-APR-2010: 08:13 File: 29AP101D5
Experiment: DIOXINRES Function: 7



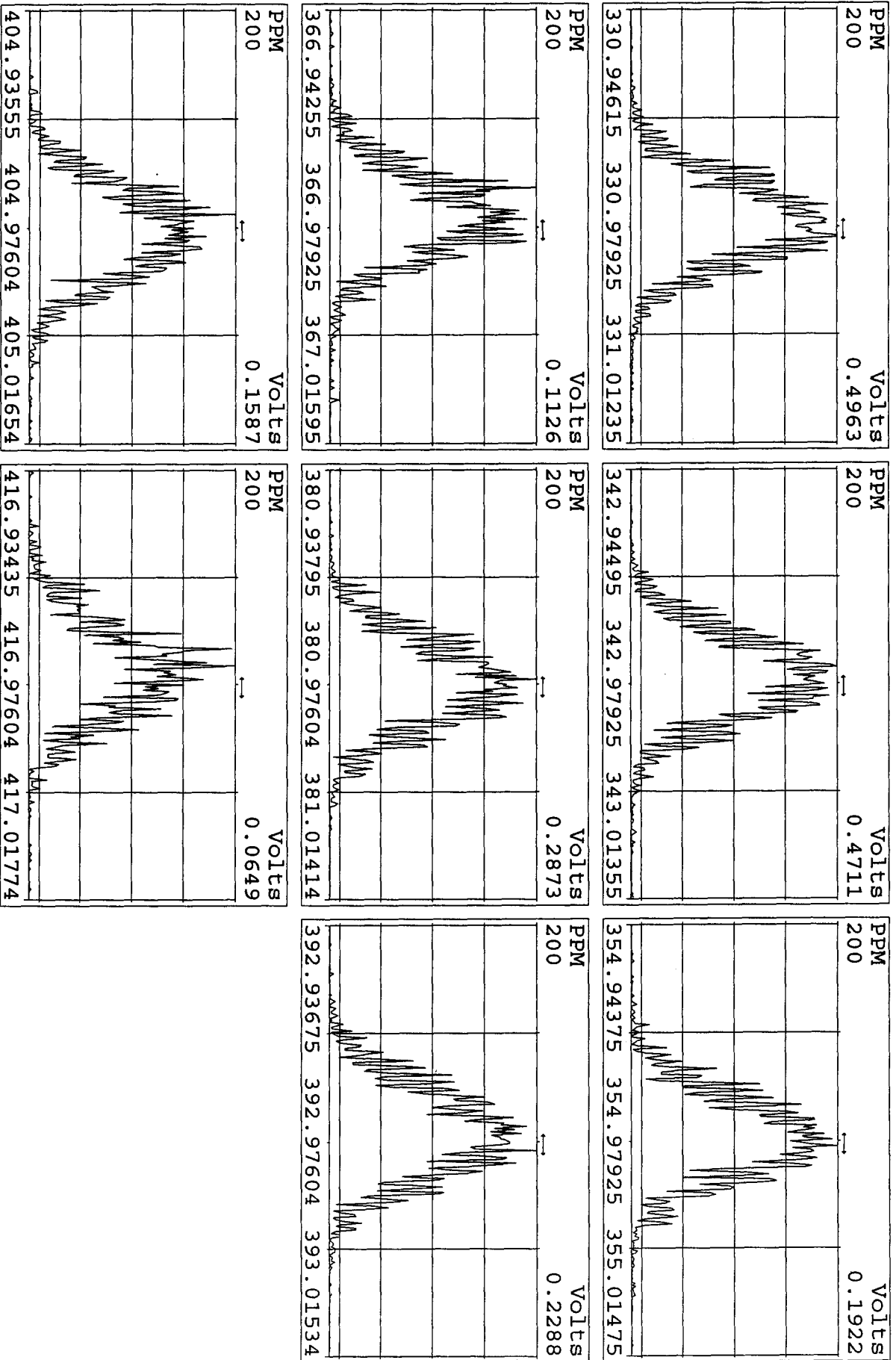
SIRLM Examination: 30-APR-2010: 08:12 File: 29AP101DS
Experiment: DIOXINRES Function: 6



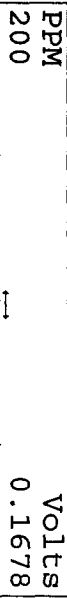
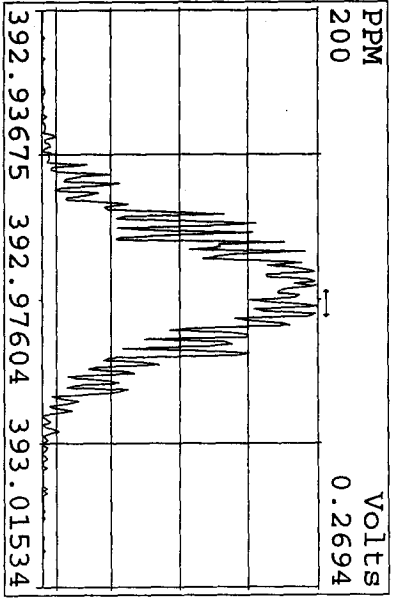
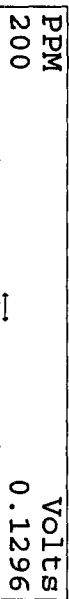
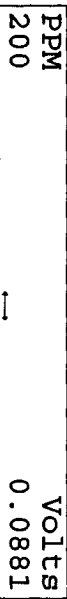
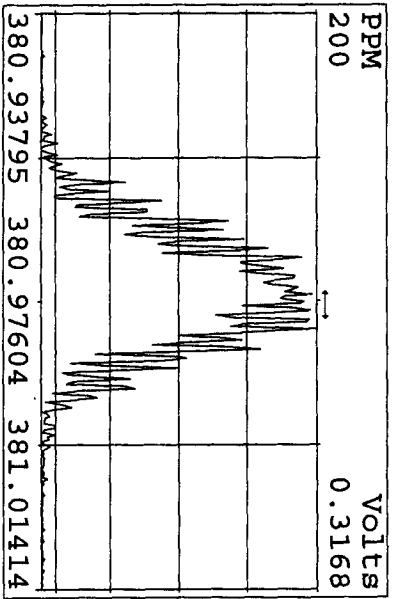
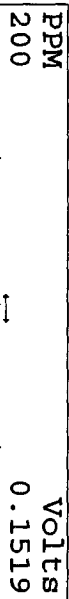
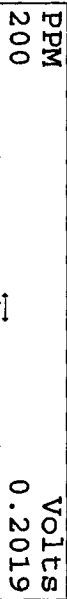
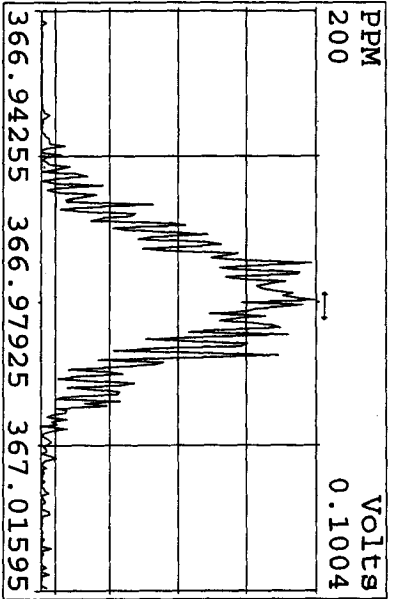
Peak Locate Examination:30-APR-2010:12:04 File:ENDRESS29AP101D5
Experiment:DIOXINRES Function:1 Reference:PFK



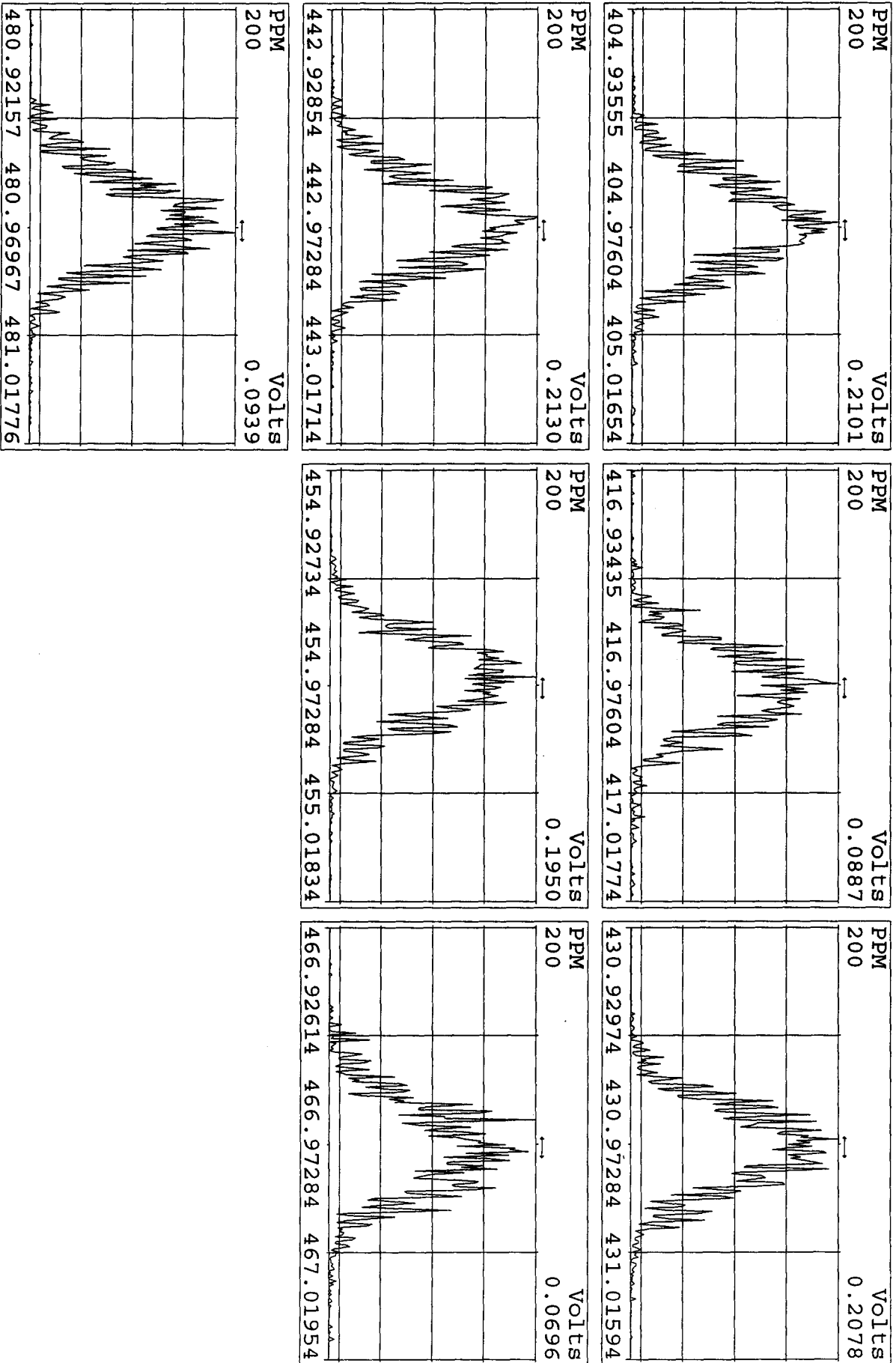
Peak Locate Examination: 30-APR-2010:12:05 File: ENDRS29AP101D5
Experiment: DIOXINRES Function: 2 Reference: PFK



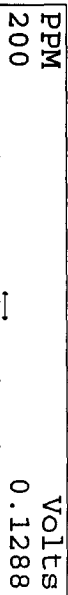
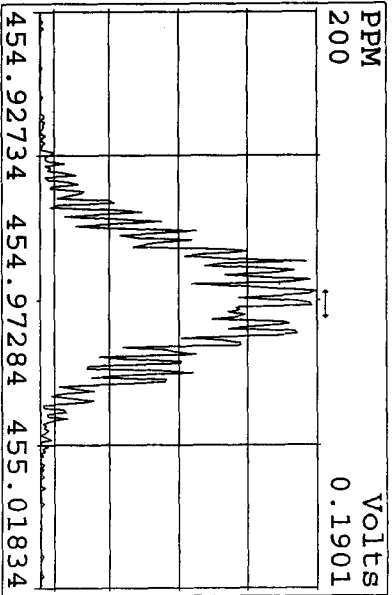
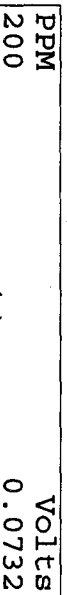
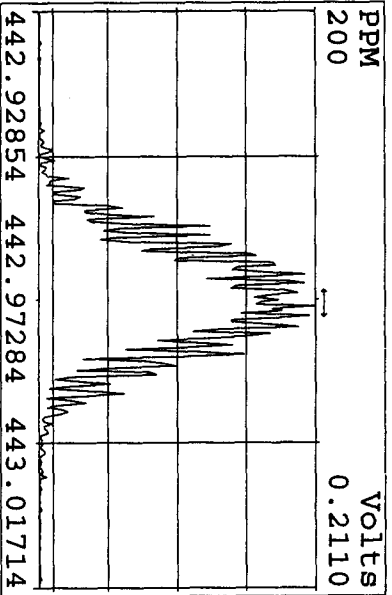
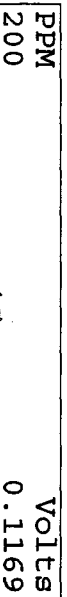
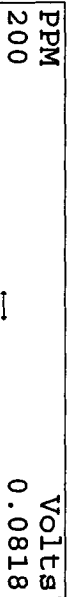
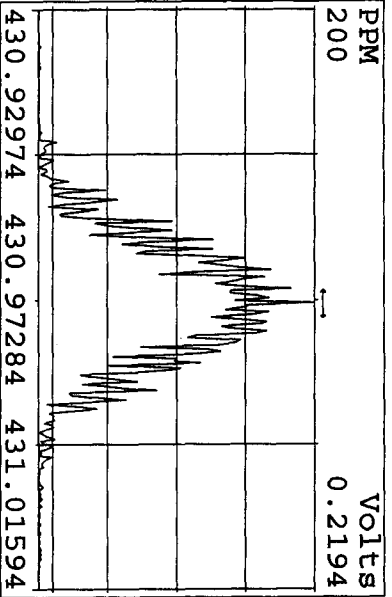
Peak Locate Examination:30-APR-2010:12:06 File:ENDRES29AP101D5
 Experiment:DIOXINRES Function:3 Reference:PFK

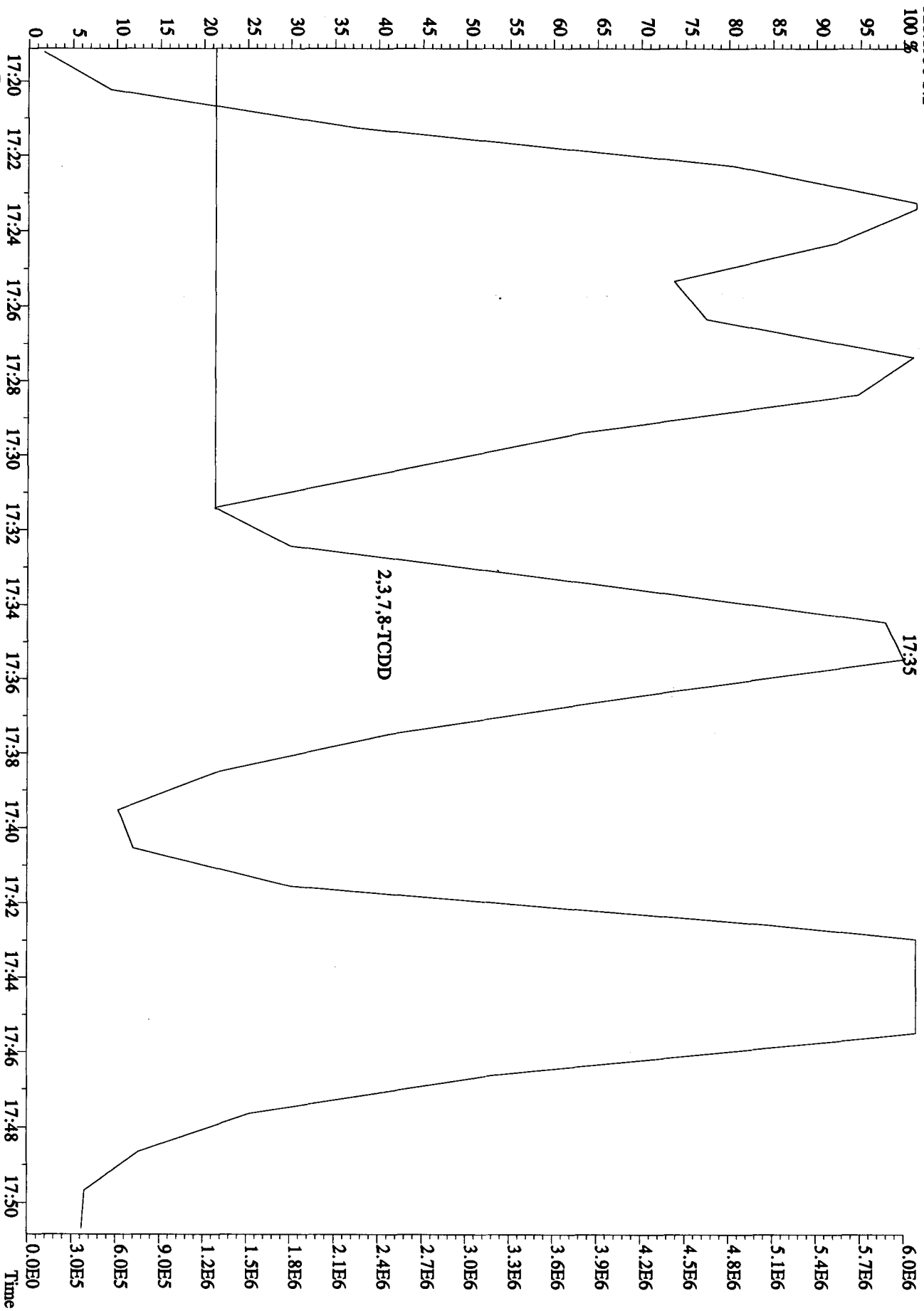


Peak Locate Examination:30-APR-2010:12:07 File:ENDRES29API01D5
 Experiment:DIOXINRES Function:4 Reference:PFK



Peak Locate Examination: 30-APR-2010:12:07 File: ENDRS29AP101DS
 Experiment: DIOXINRES Function: 5 Reference: PFK





Run: 29API01D5 Analyte: 8290 Cal: 82901231091D5

ST1231B :CS-1 09DXN422 ST1231C :CS-2 09DXN423 ST1231D :CS-3 09DXN425
 ST1231E :CS-4 09DXN426 ST1231F :CS-5 09DXN456

31DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D5

S2 S3 S4 S5 S6
 RRF1 RRF2 RRF3 RRF4 RRF5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-

13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98

13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	1.01	0.97	1.12
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07

37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74
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13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08

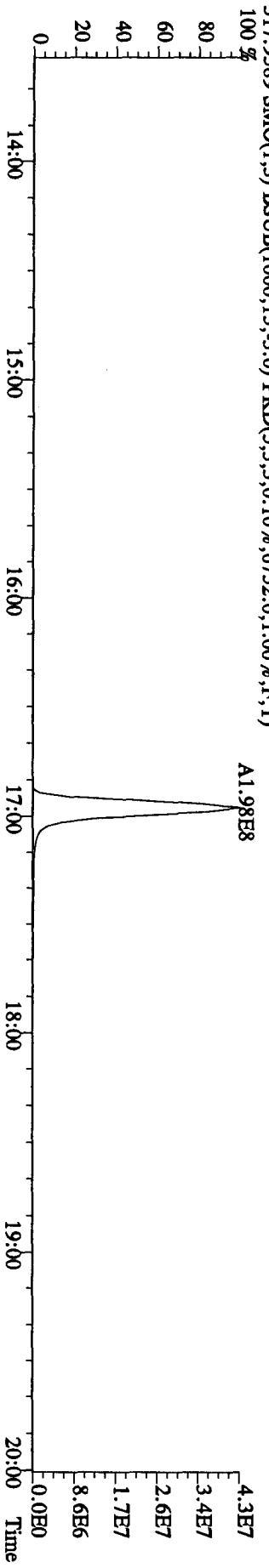
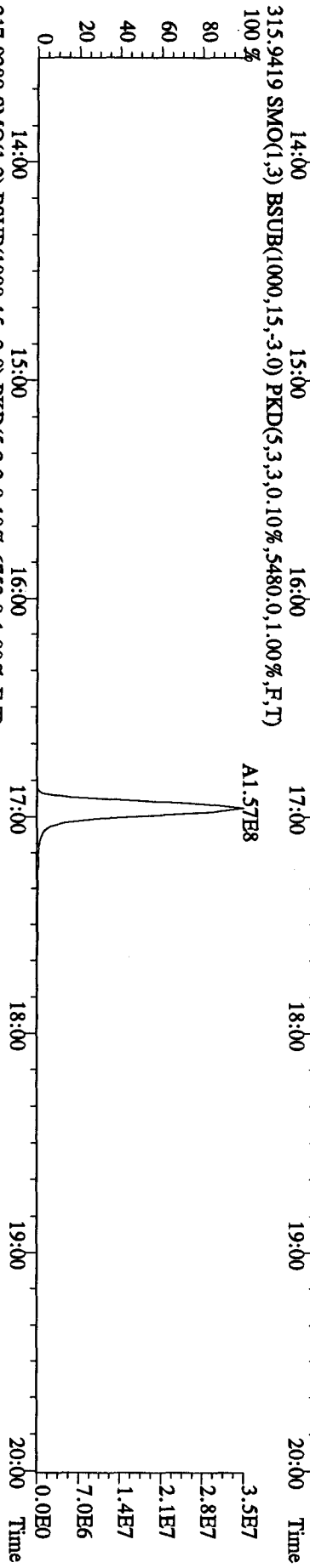
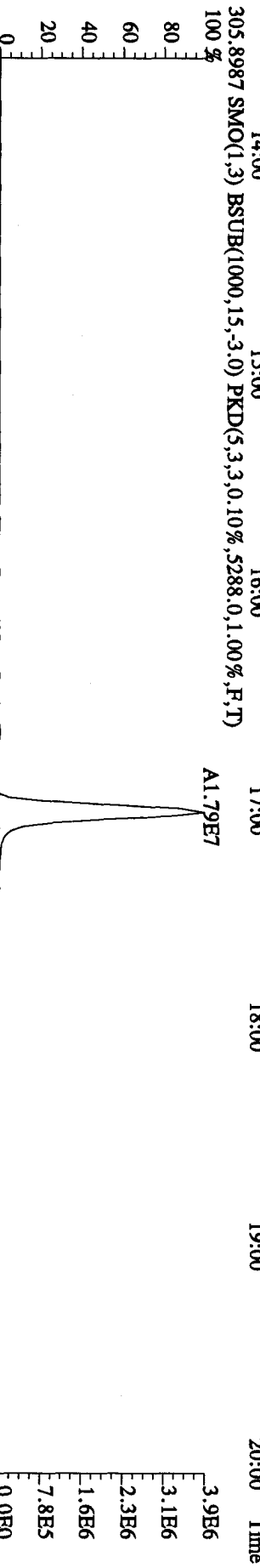
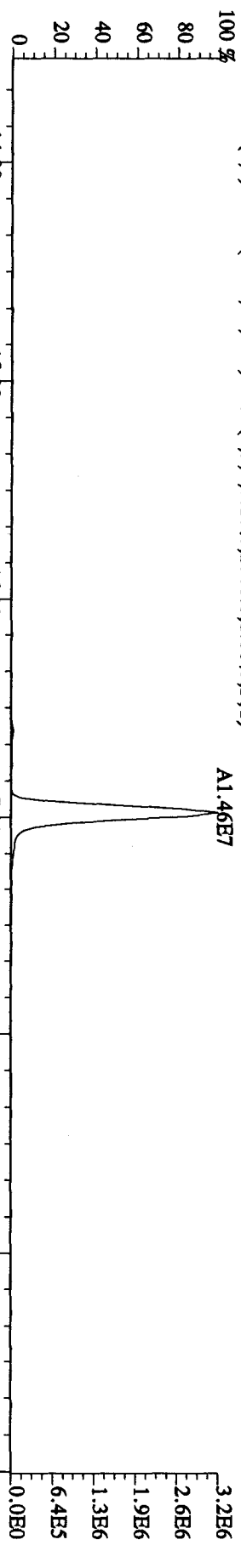
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06

13C-1,2,3,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.32	1.36	1.36
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.44	1.57	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38

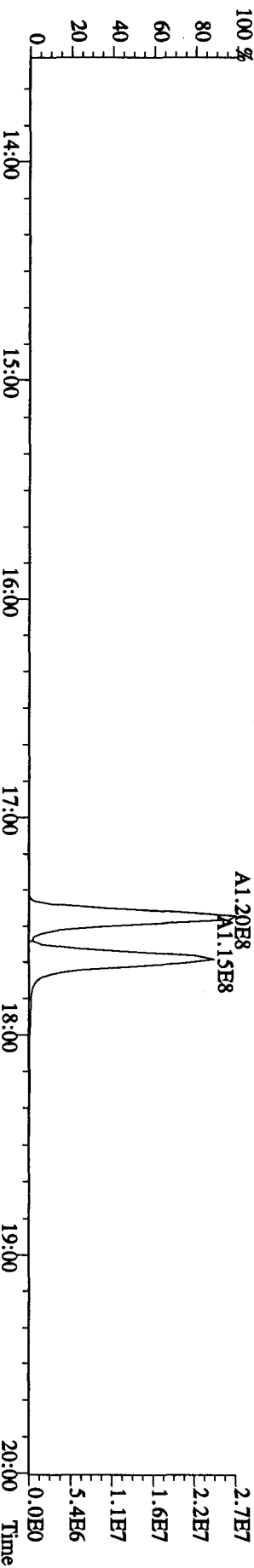
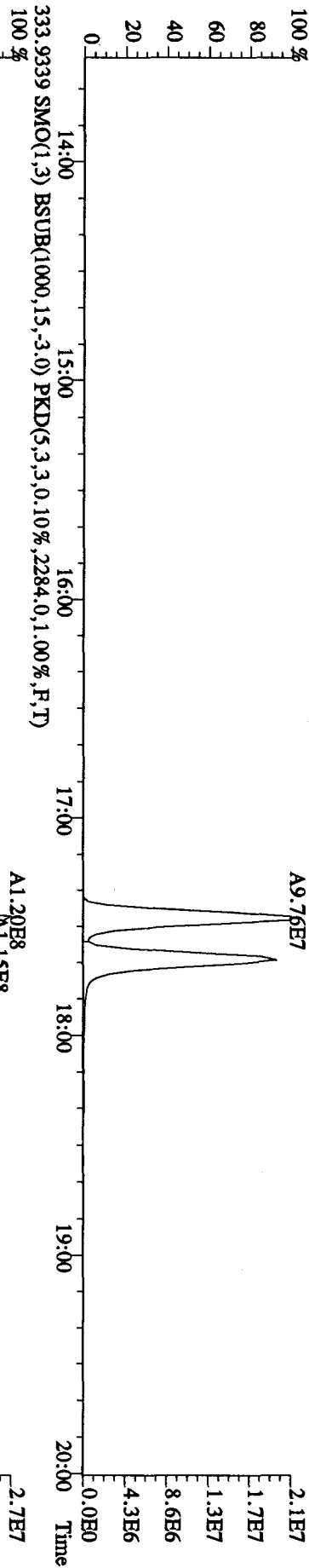
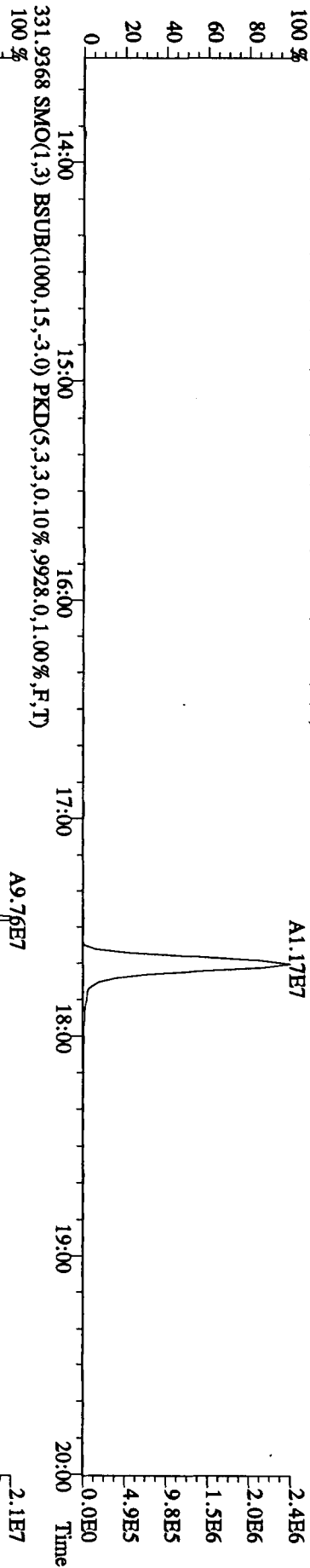
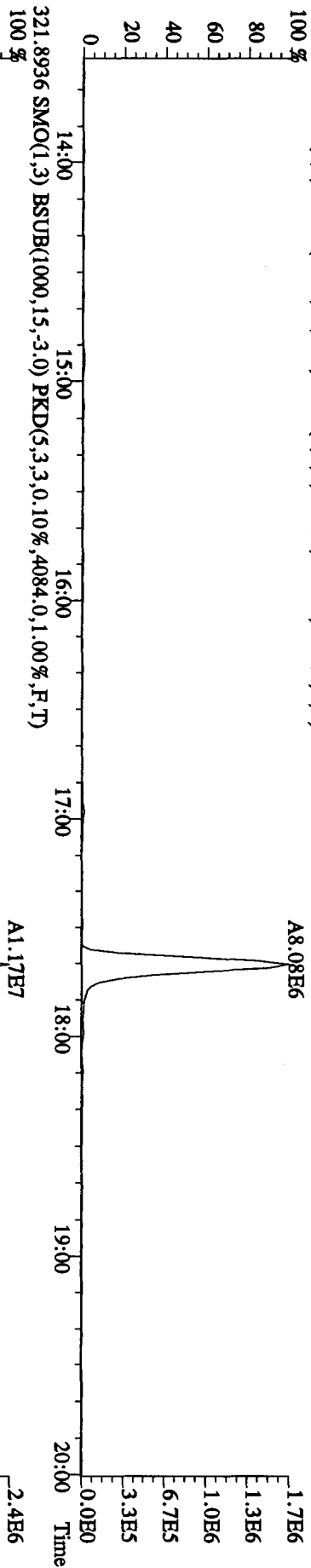
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.98	1.15	1.11

1,2,3,6,7,8-HxCDD	1.058	0.118	11.2	%	0.88	1.01	1.09	1.16	1.15
1,2,3,7,8,9-HxCDD	1.275	0.243	19.0	%	0.92	1.19	1.33	1.57	1.37
Total HxCDD	1.101	0.175	15.9	%	0.84	1.02	1.14	1.30	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.860	0.055	6.38	%	0.92	0.85	0.88	0.78	0.88
1,2,3,4,6,7,8-HpCDF	1.287	0.138	10.8	%	1.10	1.18	1.34	1.41	1.40
1,2,3,4,7,8,9-HpCDF	1.135	0.151	13.3	%	0.95	1.00	1.19	1.27	1.27
Total HpCDF	1.211	0.145	11.9	%	1.02	1.09	1.27	1.34	1.33
13C-1,2,3,4,6,7,8-HpCDD	0.752	0.046	6.08	%	0.80	0.74	0.75	0.68	0.79
1,2,3,4,6,7,8-HpCDD	0.998	0.122	12.2	%	0.85	0.88	1.05	1.10	1.10
Total HpCDD	0.998	0.122	12.2	%	0.85	0.88	1.05	1.10	1.10
13C-OCDD	0.564	0.039	6.86	%	0.58	0.54	0.57	0.51	0.61
OCDF	1.437	0.202	14.1	%	1.16	1.30	1.52	1.63	1.59
OCDD	1.110	0.128	11.5	%	0.96	0.98	1.16	1.23	1.22

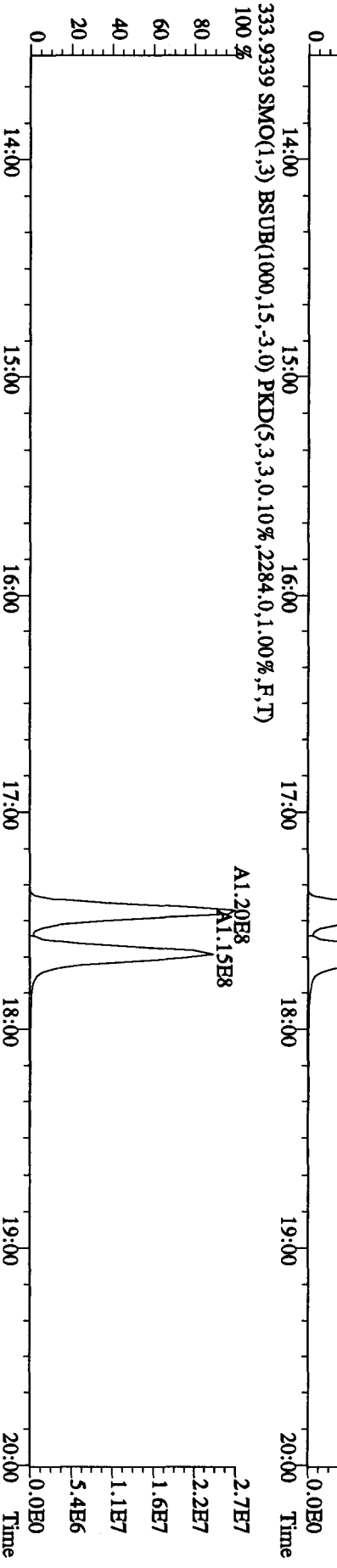
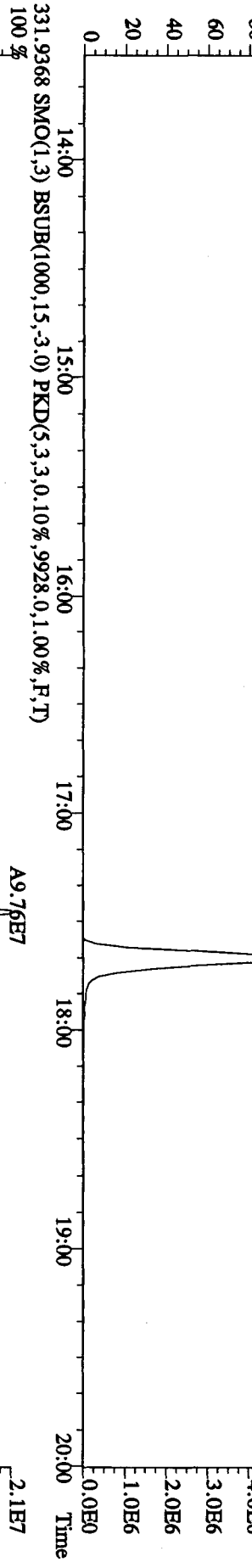
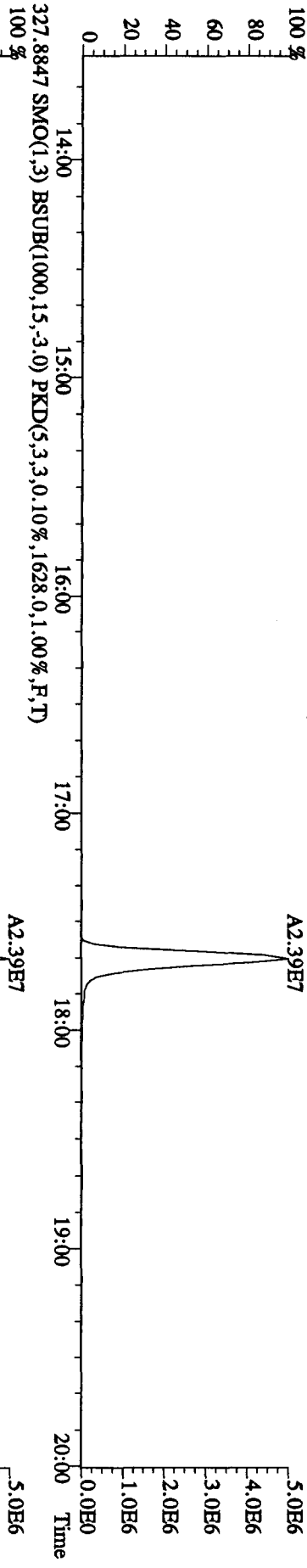
File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC:EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2760.0,1.00%,F,T)
 100%



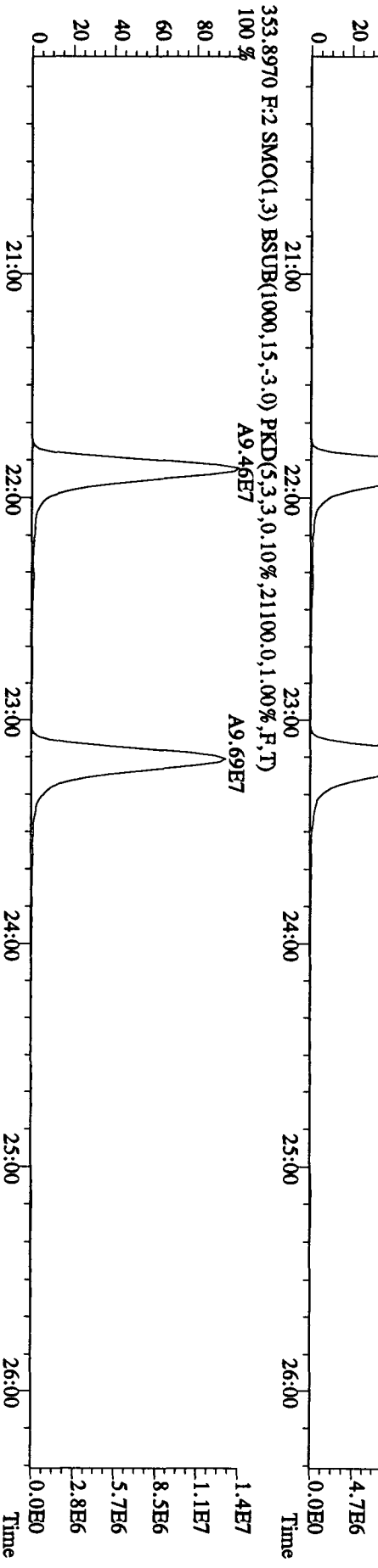
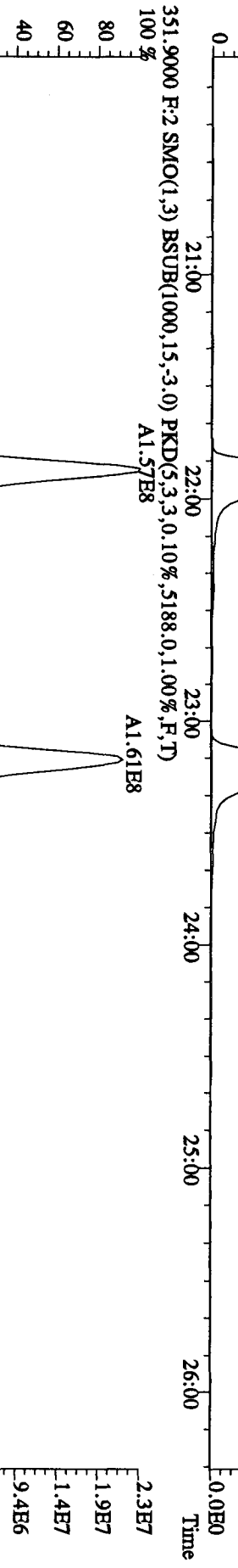
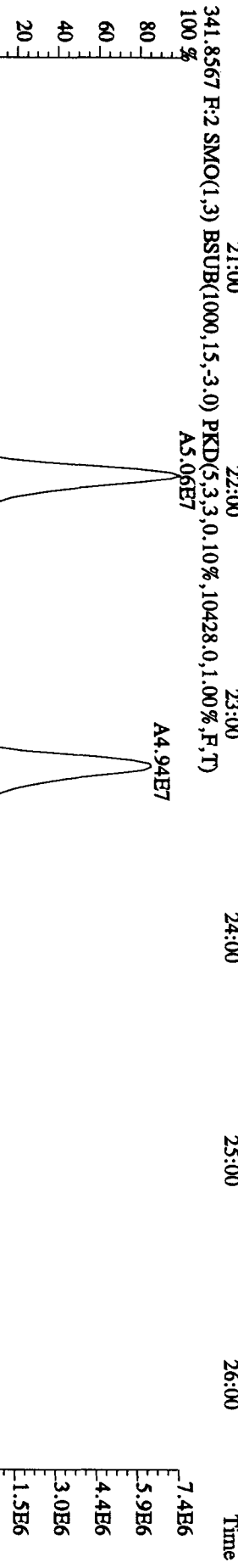
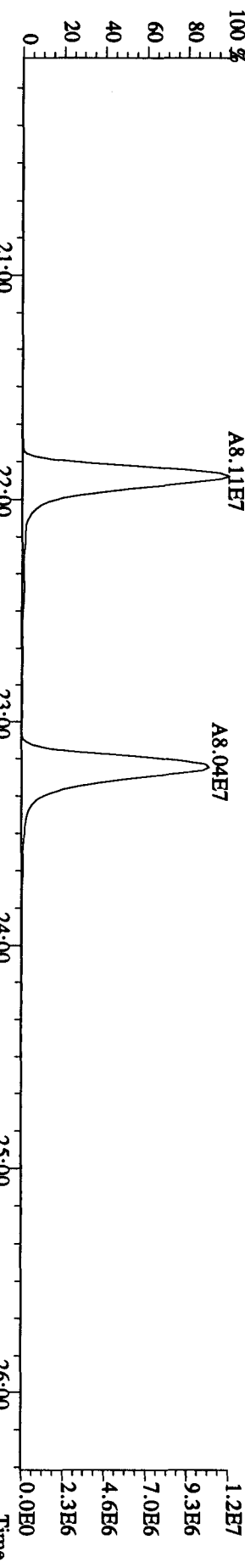
File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
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 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3024.0,1.00%,F,T) 100%



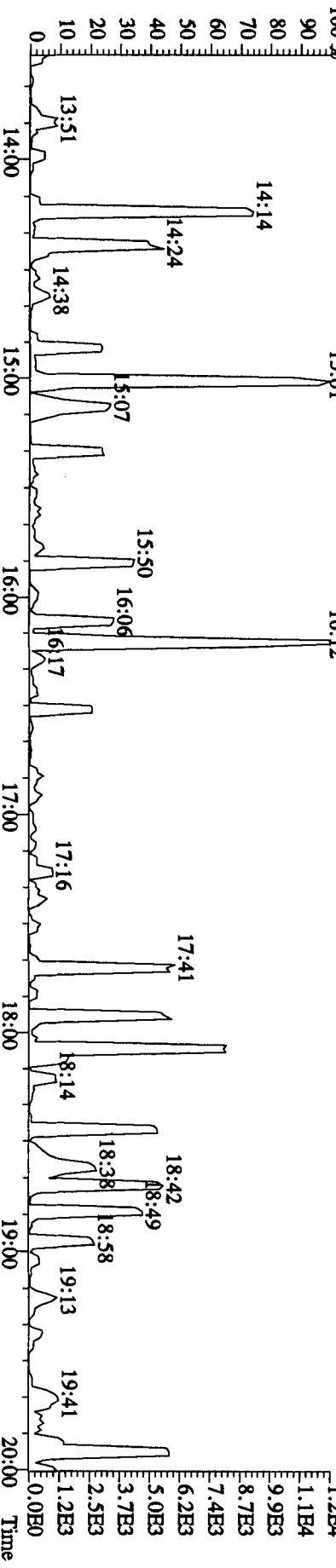
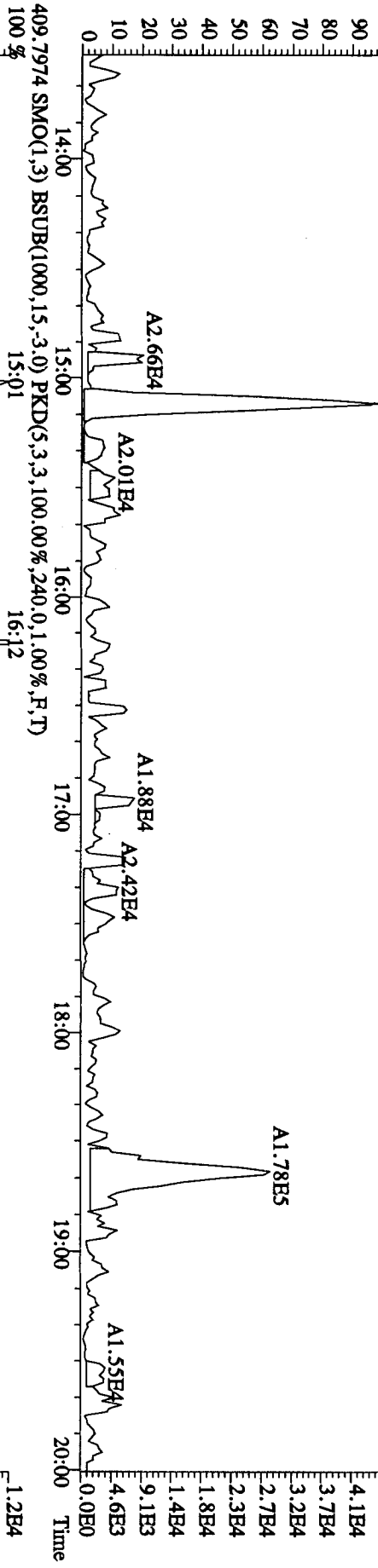
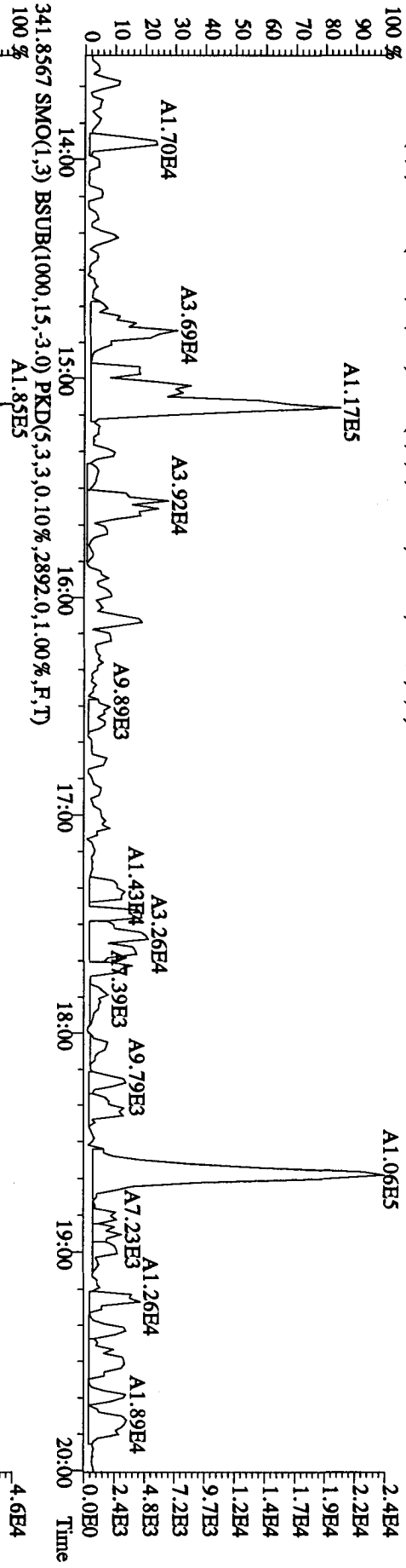
File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.628,0,1.00%,F,T)
 100%



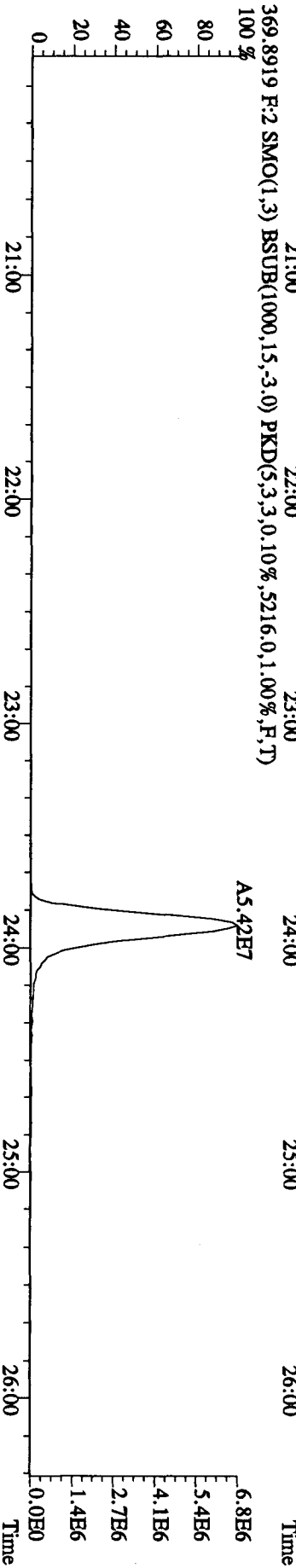
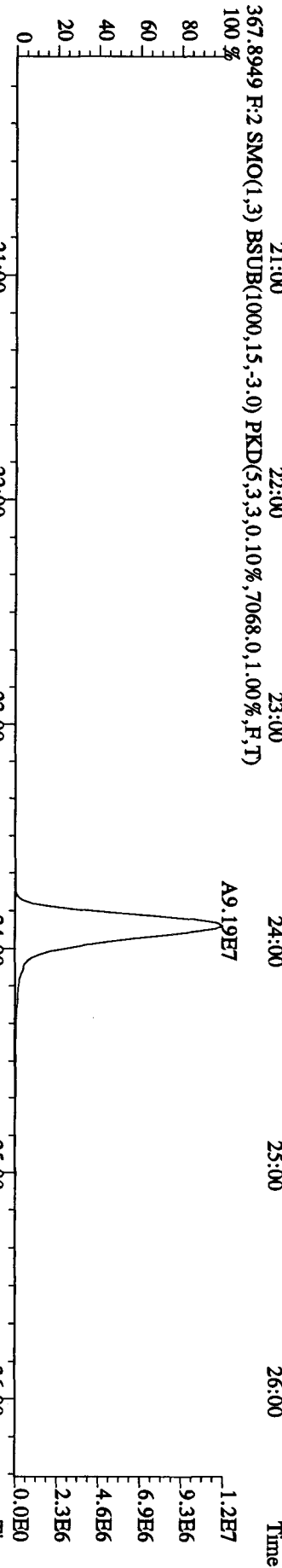
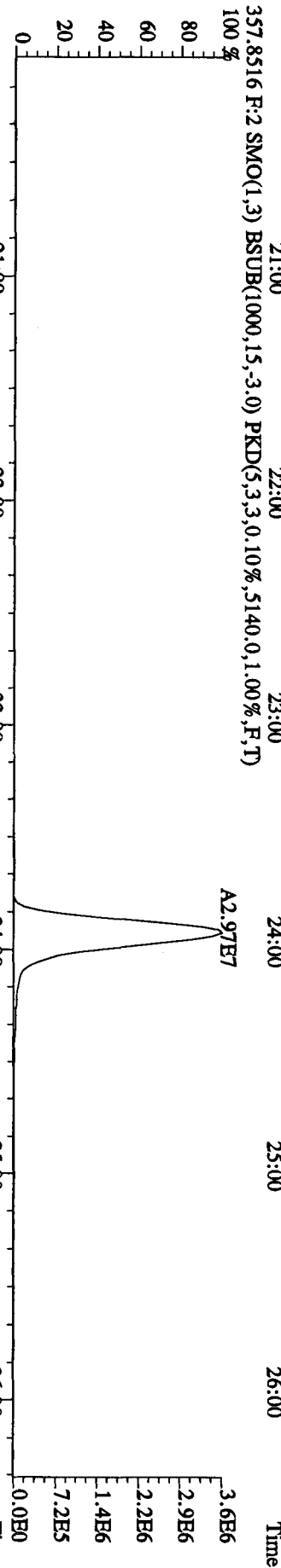
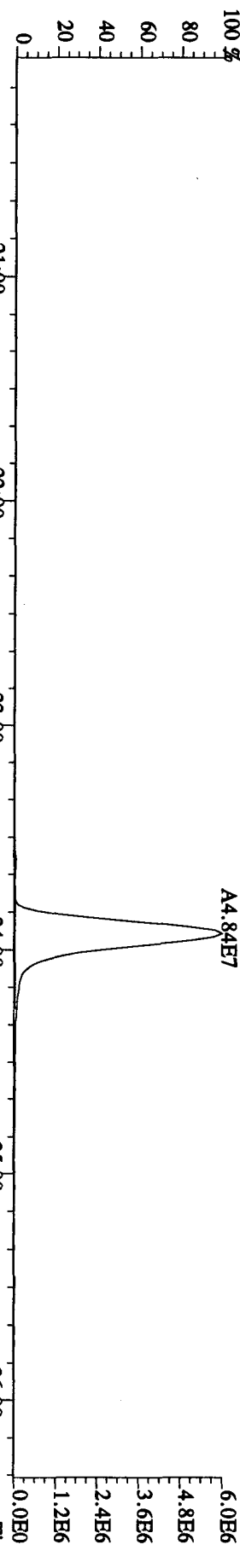
File:29AP101D5 #1-445 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 339.8597 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8796.0,1.00%,F,T)
 100% A8.11E7



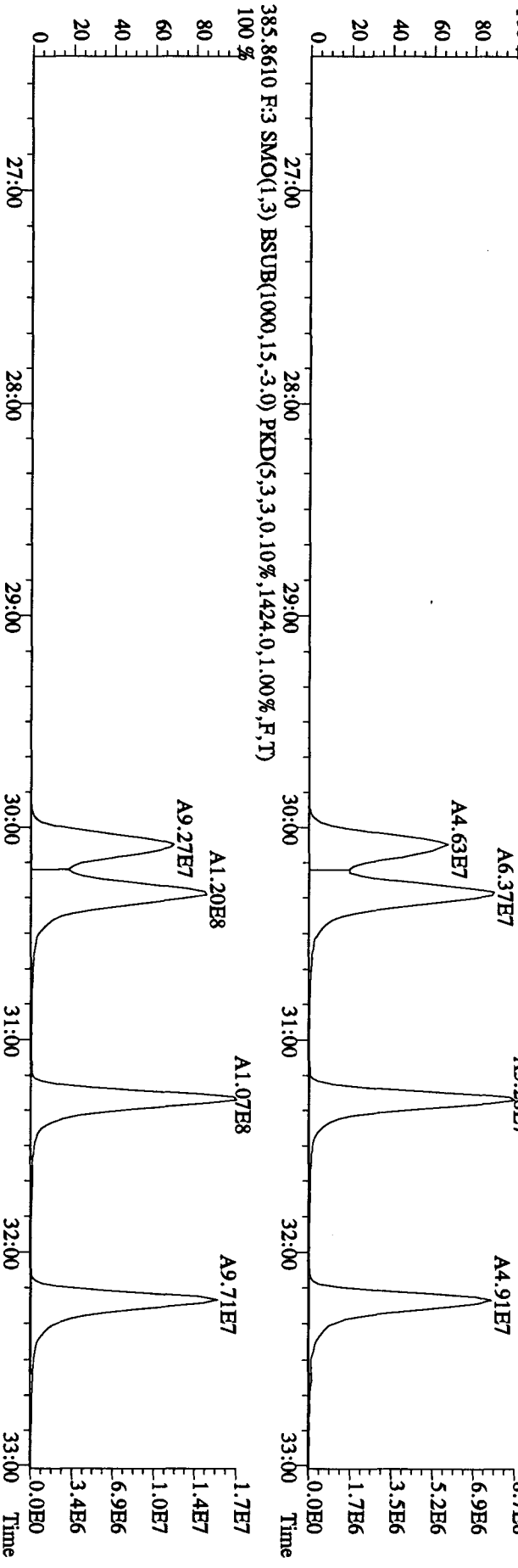
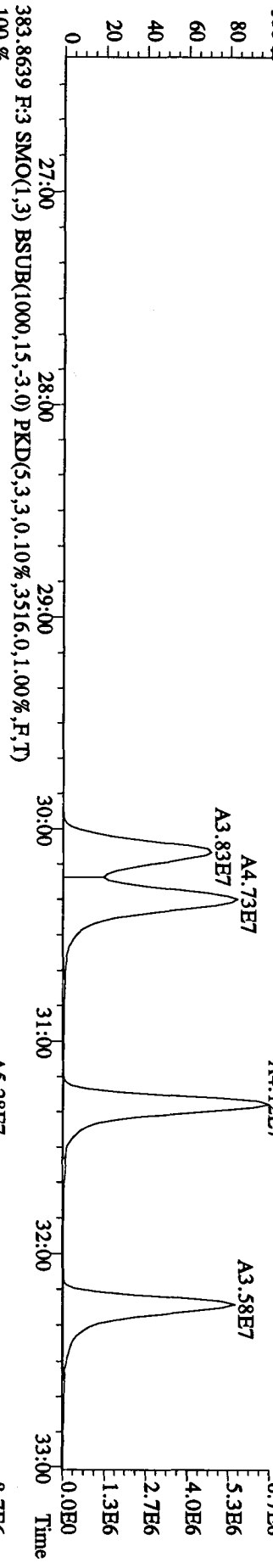
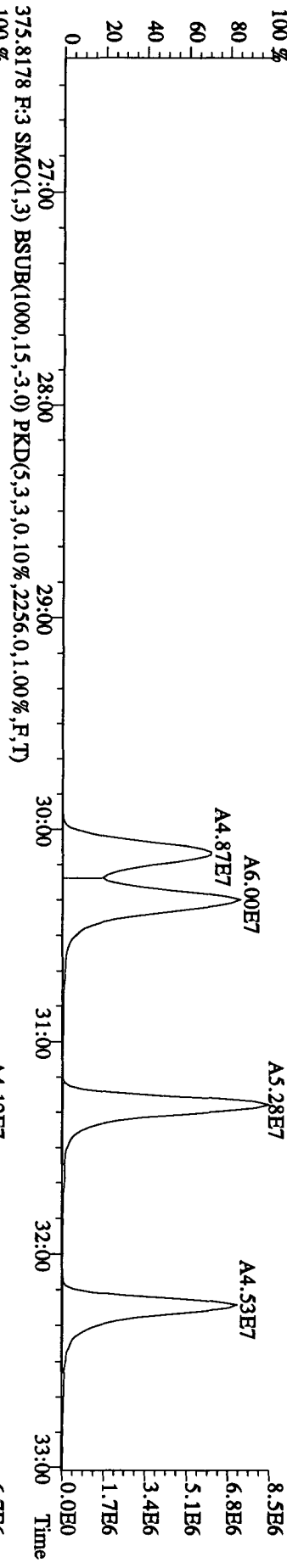
File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 339,8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1088.0,1.00%,F,T)



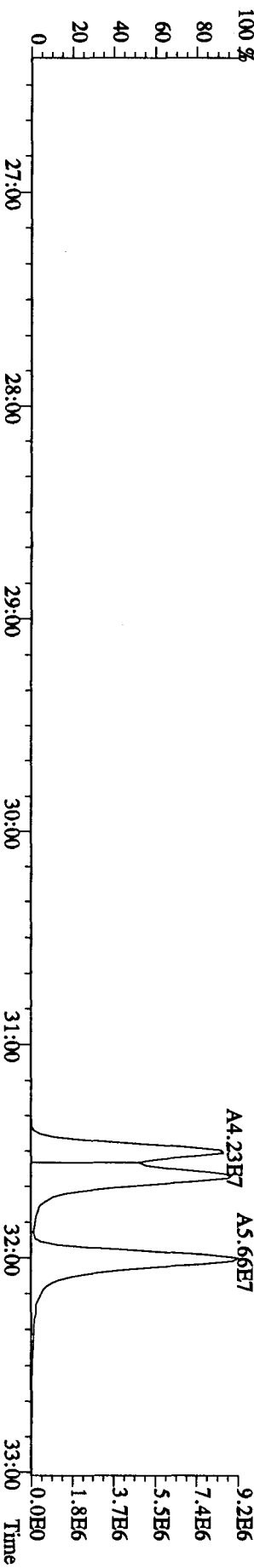
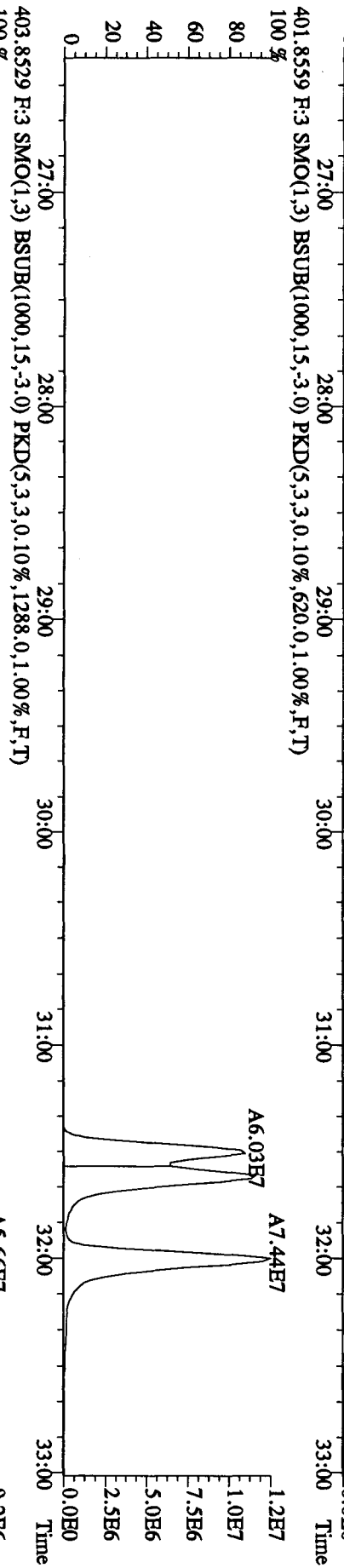
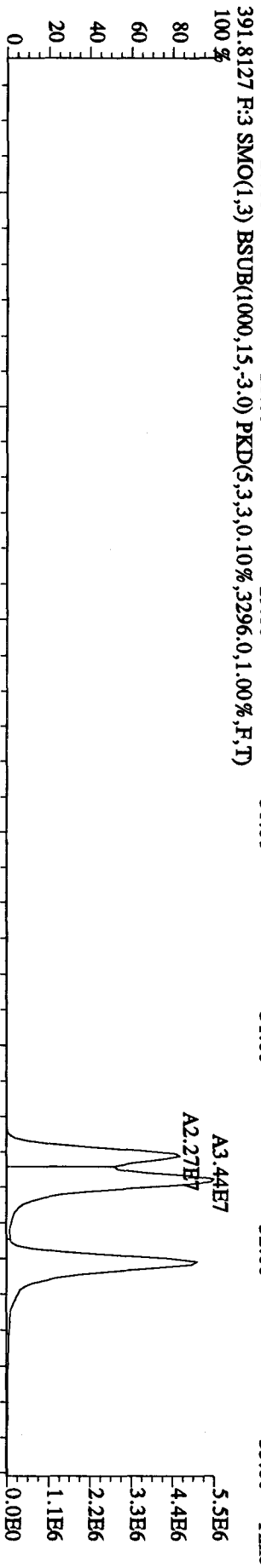
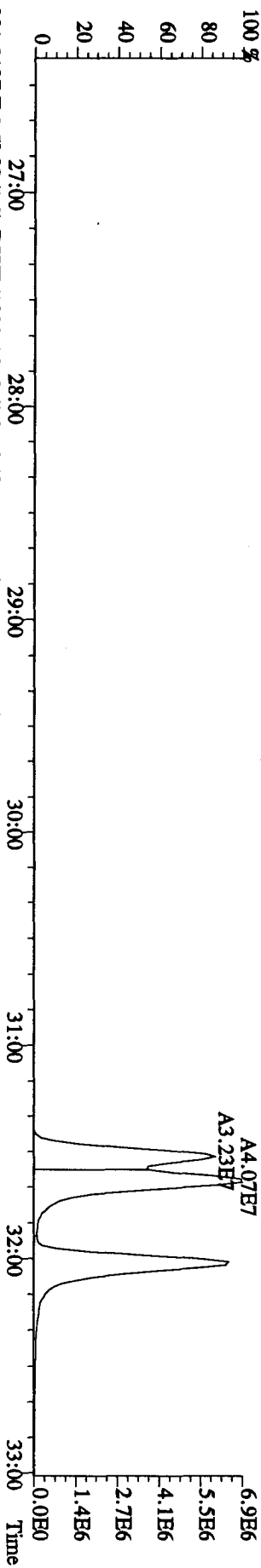
File:29AP101D5 #1-445 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7188,0,1,00%,F,T)
 100%



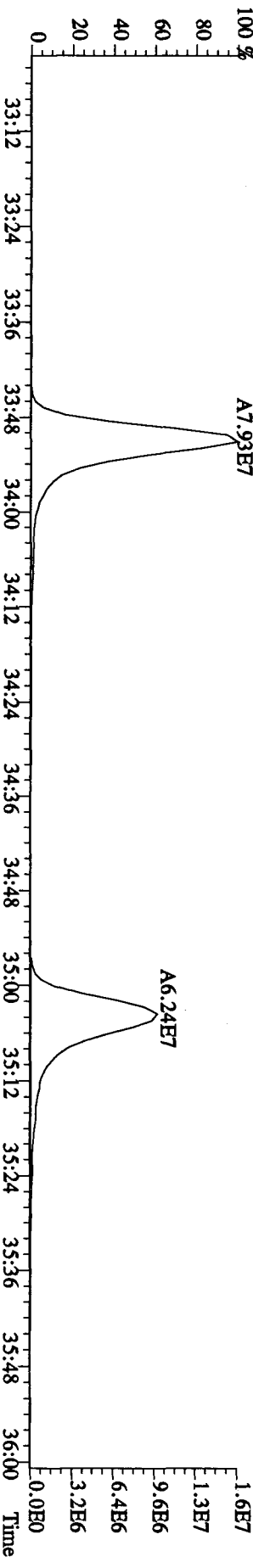
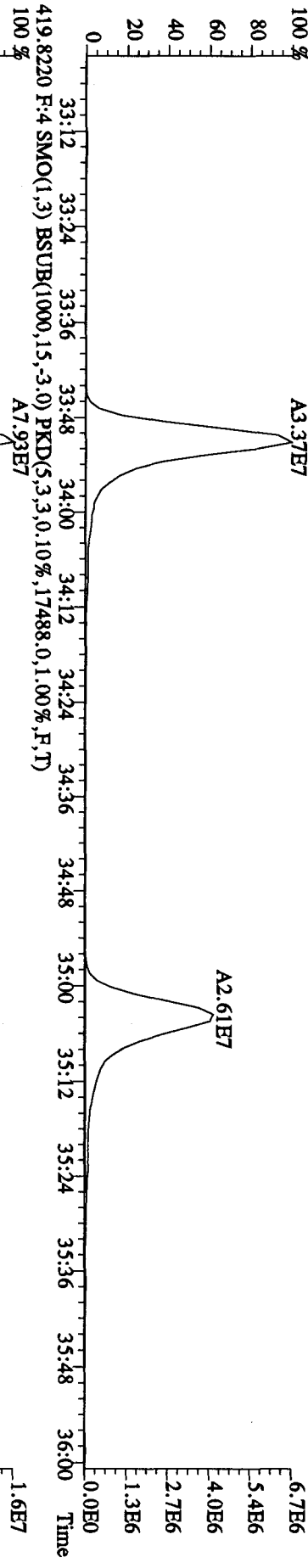
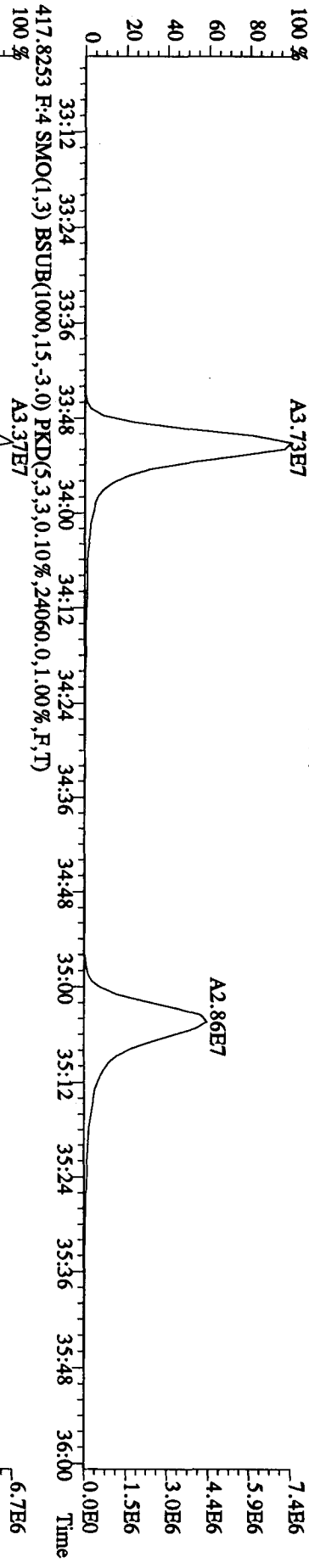
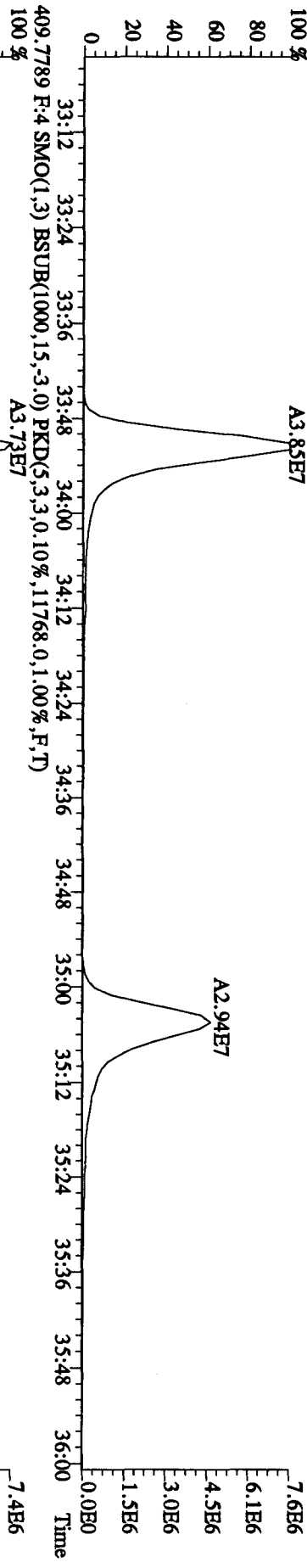
File:29AP101D5 #1-447 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2612.0,1.00%,F,T)
 100%



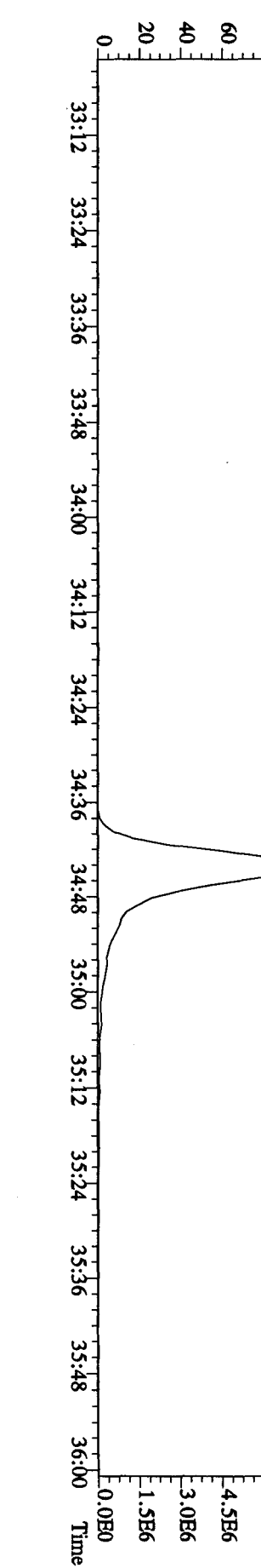
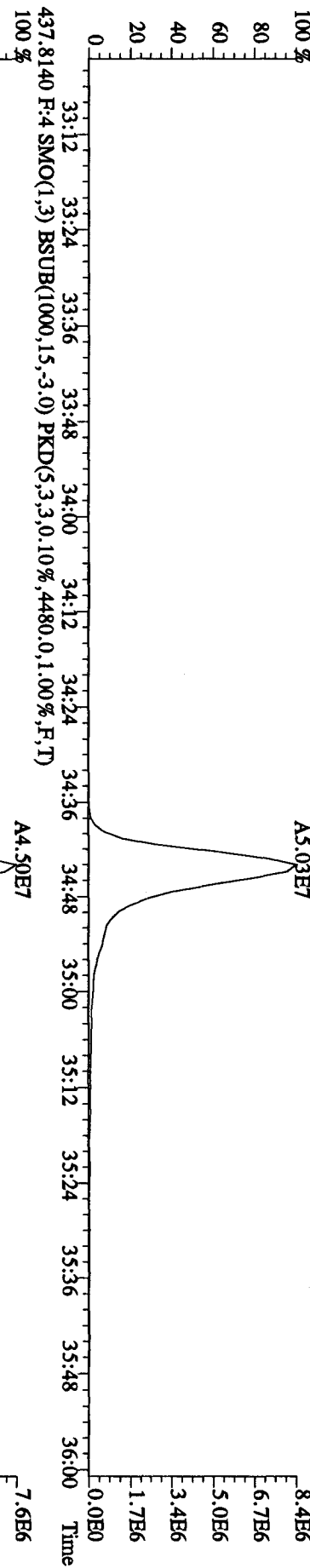
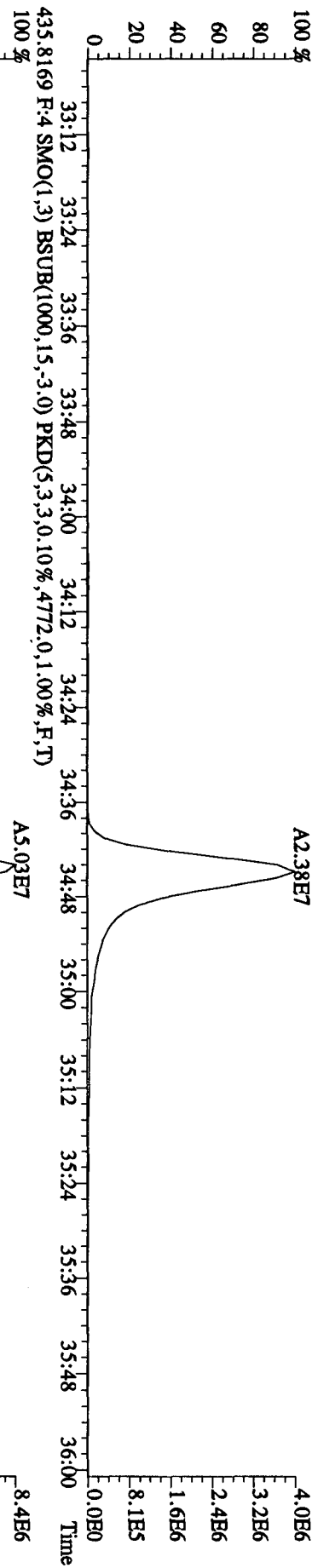
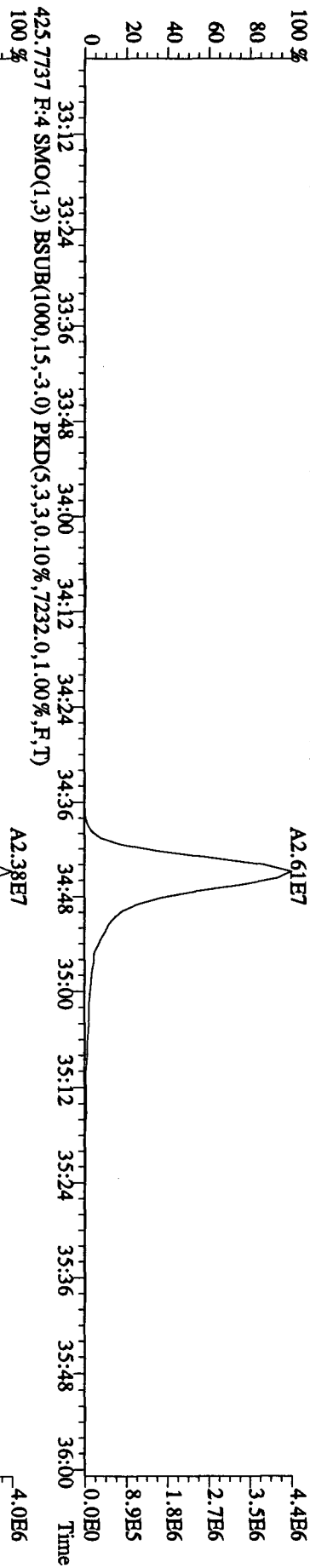
File:29AP101D5 #1-447 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2184.0,1.00%,F,T)
 100%



File:29AP101D5 #1-210 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,15352.0,1.00%,F,T)
 100 % A3.85E7



File:29AP101D5 #1-210 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 423.7766 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4156.0,1.00%,F,T)
 100%

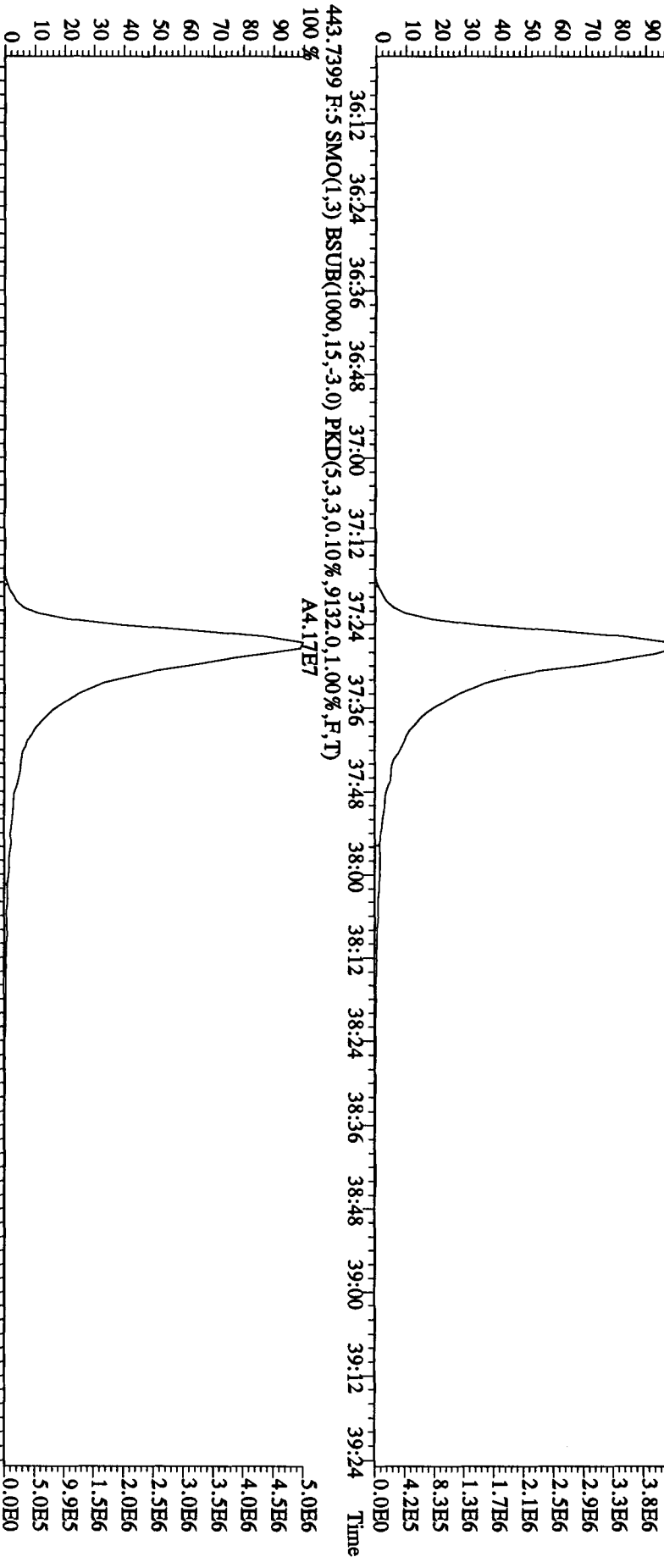


File:29AP101D5 #1-244 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE

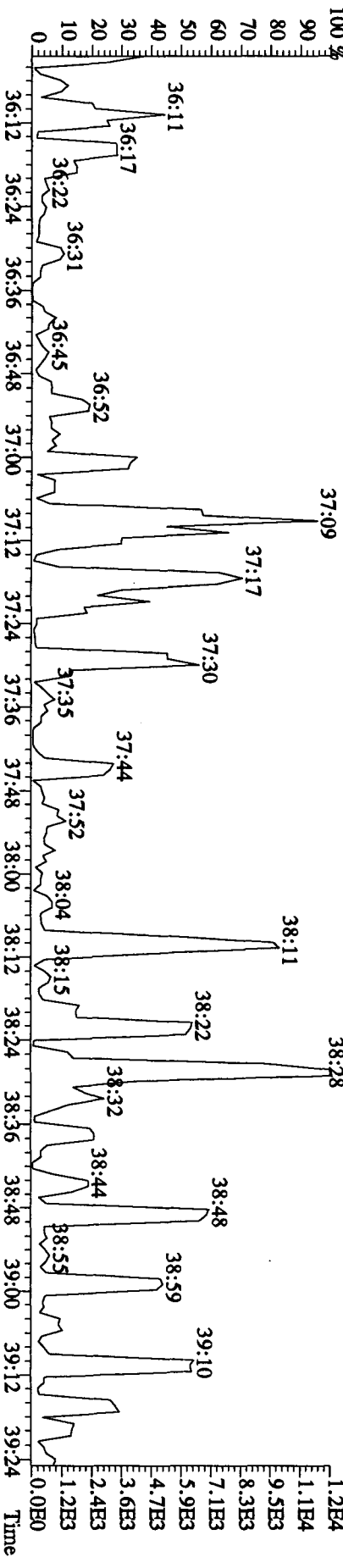
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5364.0,1.00%,F,T)

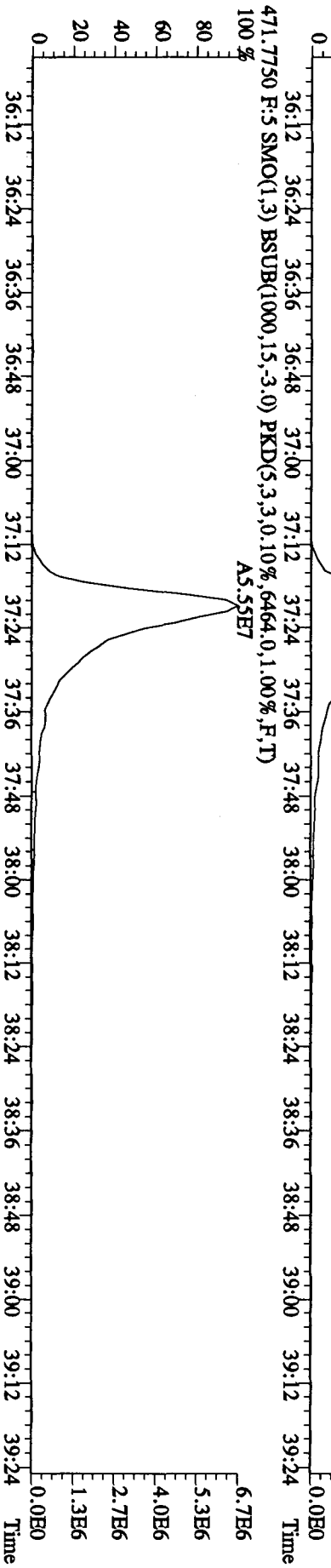
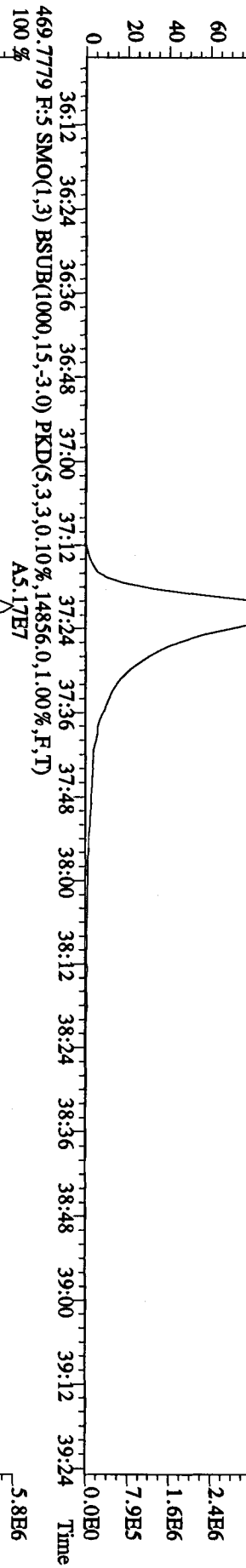
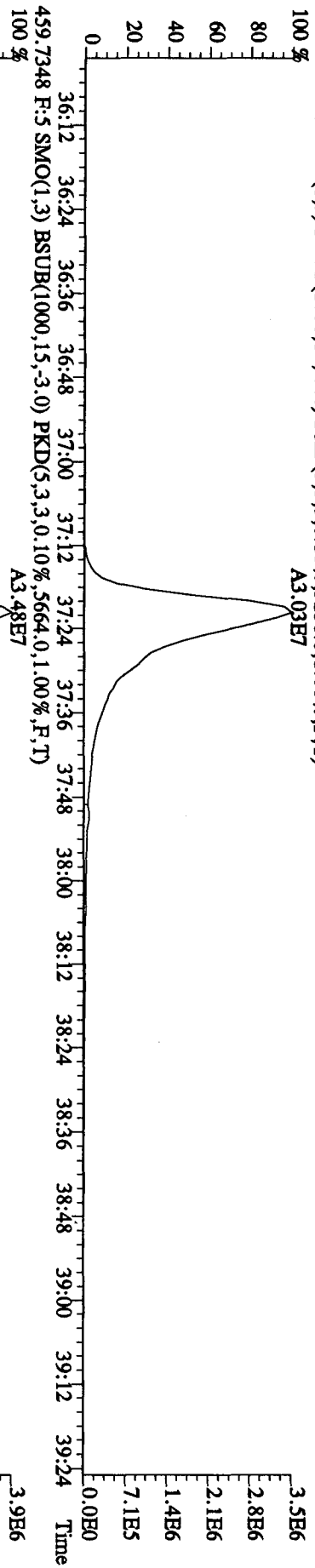
A3.63E7



513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,720.0,1.00%,F,T)

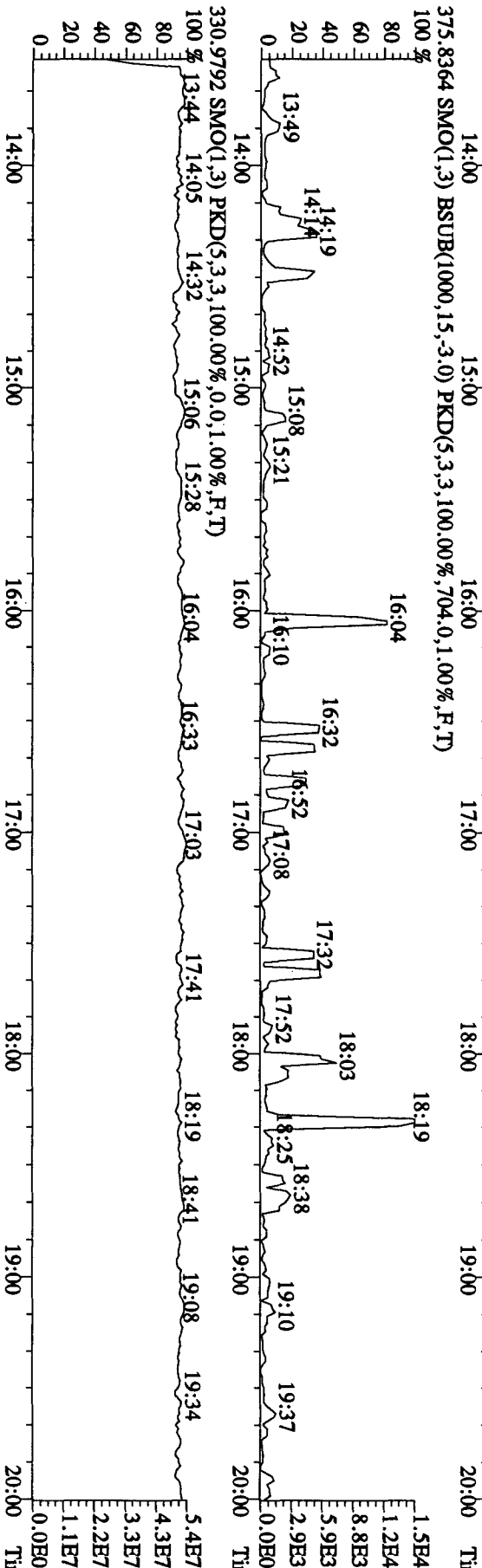
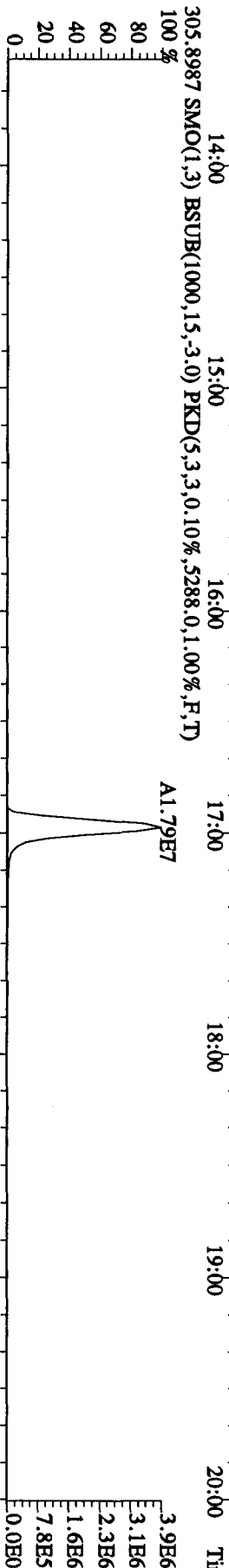
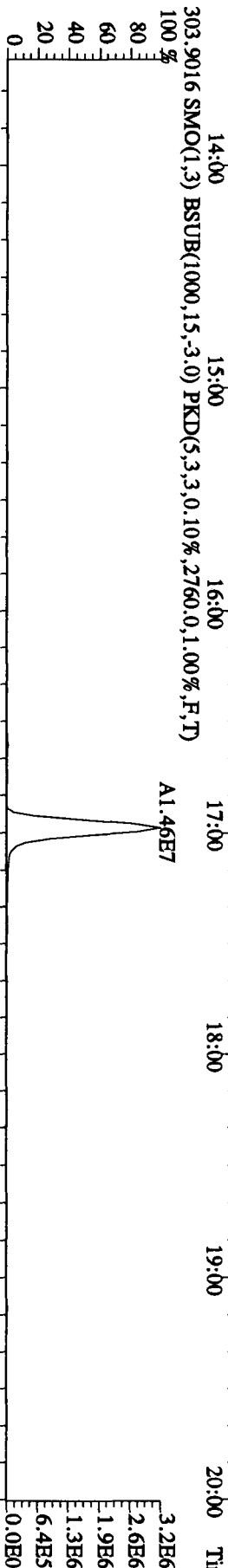
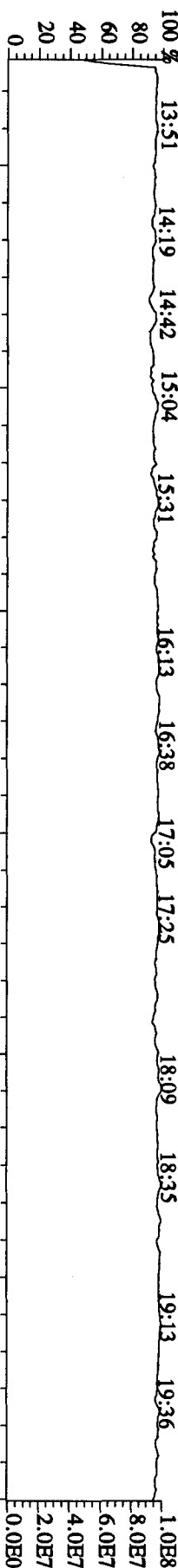


File:29AP101D5 #1-244 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINES
 457.7377 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3256.0,1.00%,F,T)
 100% A3.03E7

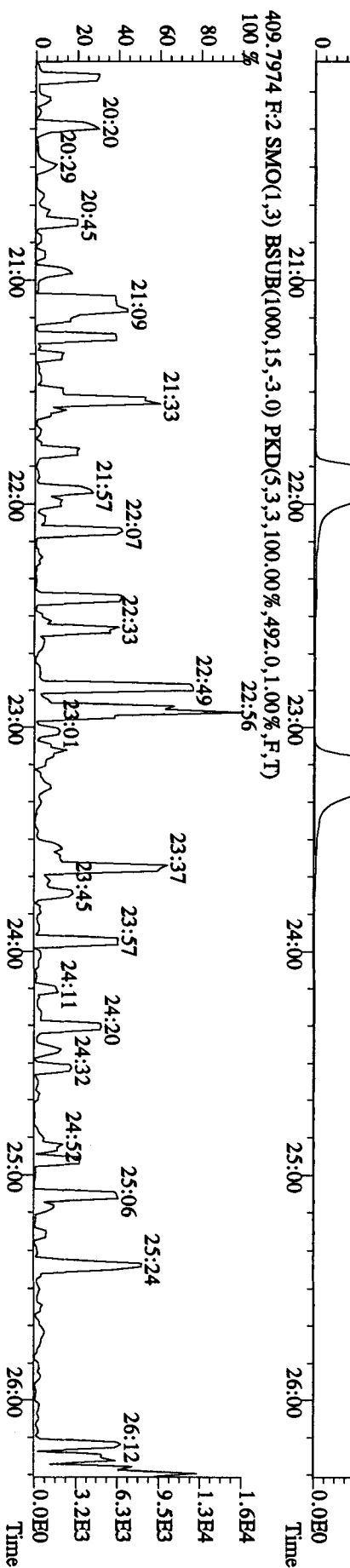
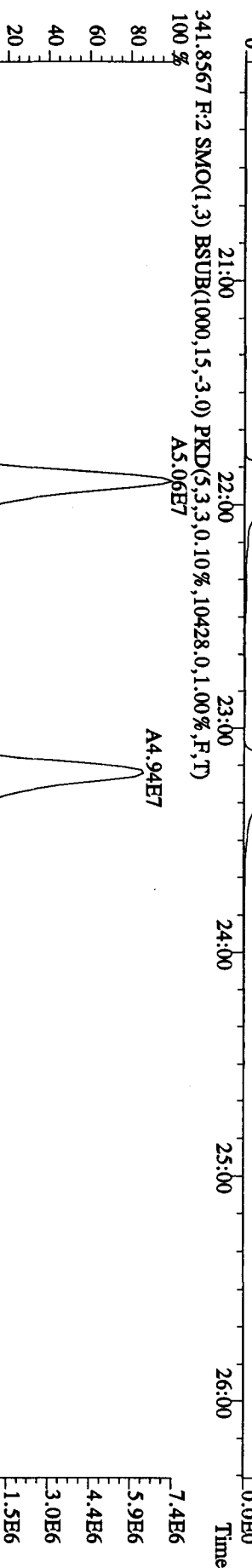
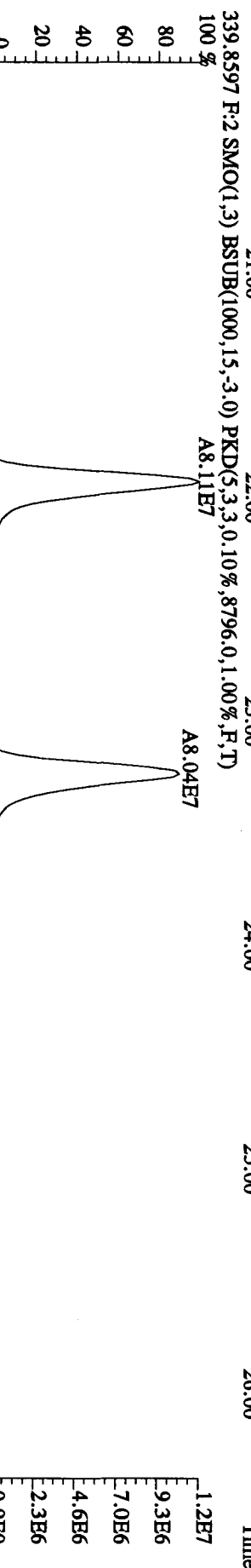
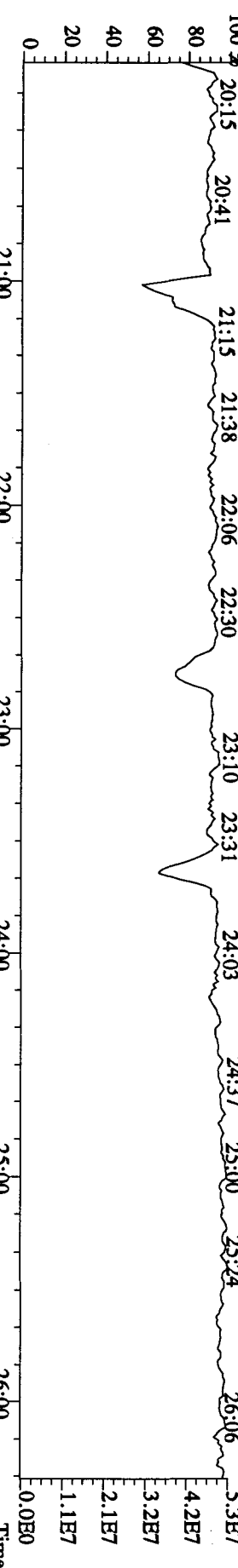


File:29AP101D5 #1-384 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE

Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES



File:29AP101D5 #1-445 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

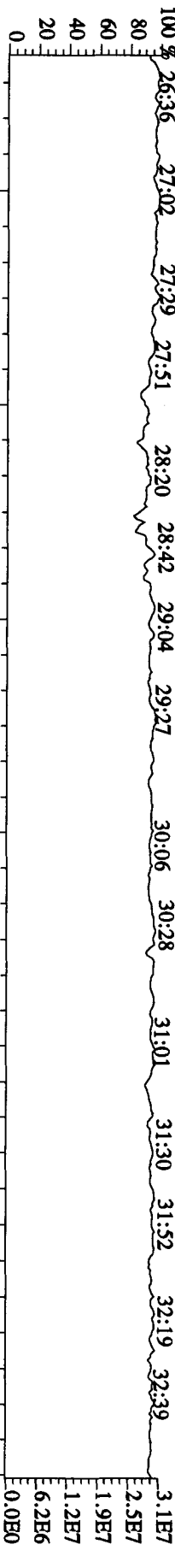


File:29AP101D5 #1-447 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE

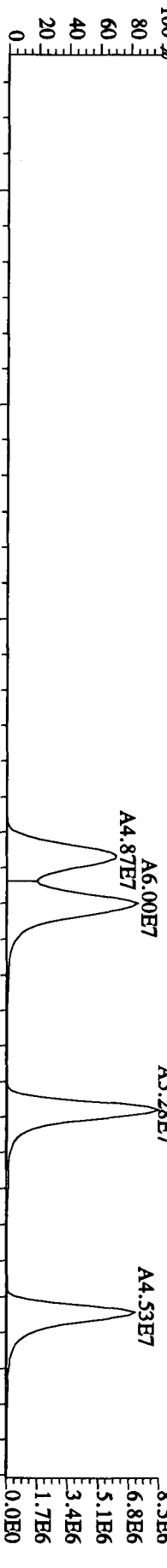
Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

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

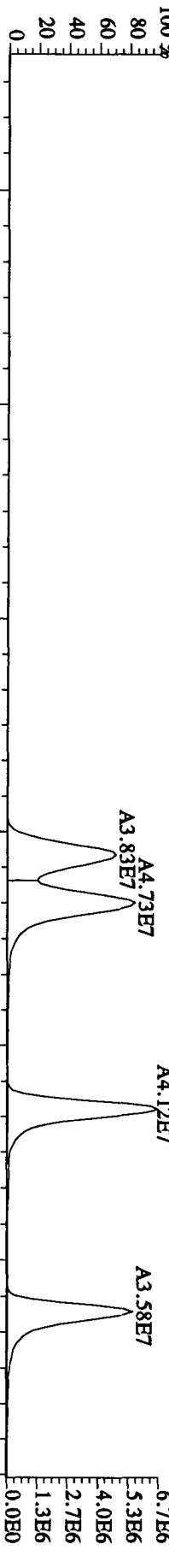
100% 26:36 27:02 27:29 27:51 28:20 28:42 29:04 29:27



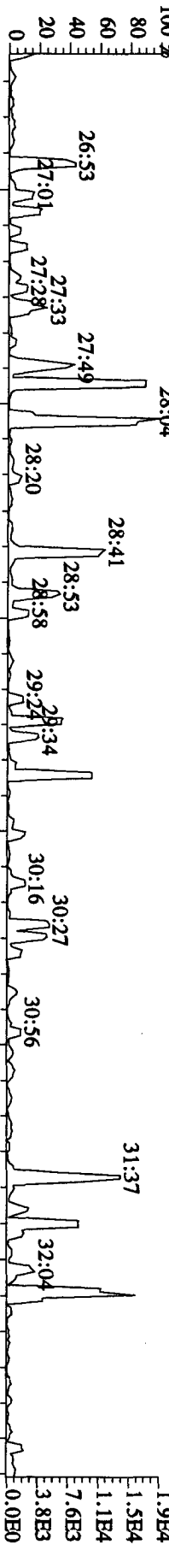
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2612.0,1.00%,F,T)



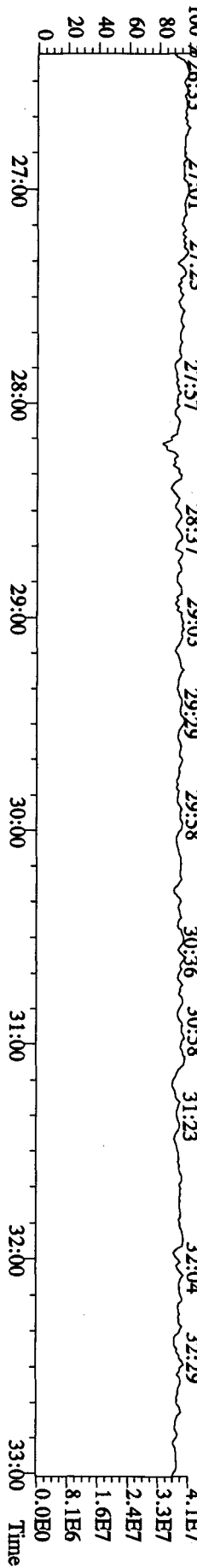
375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2256.0,1.00%,F,T)



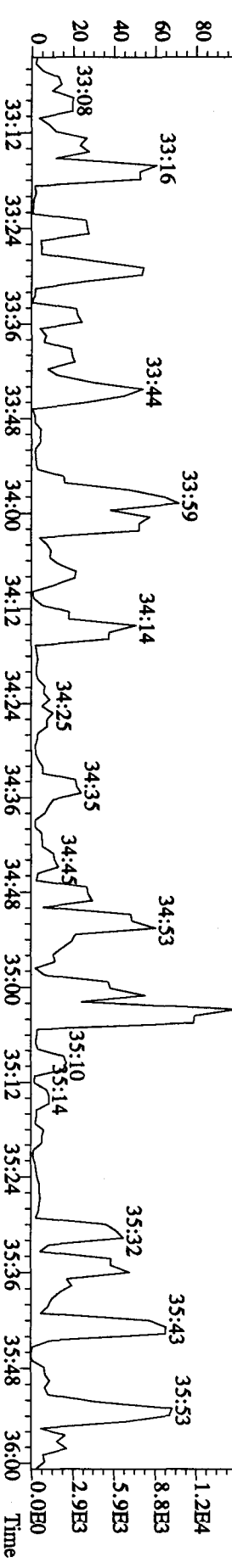
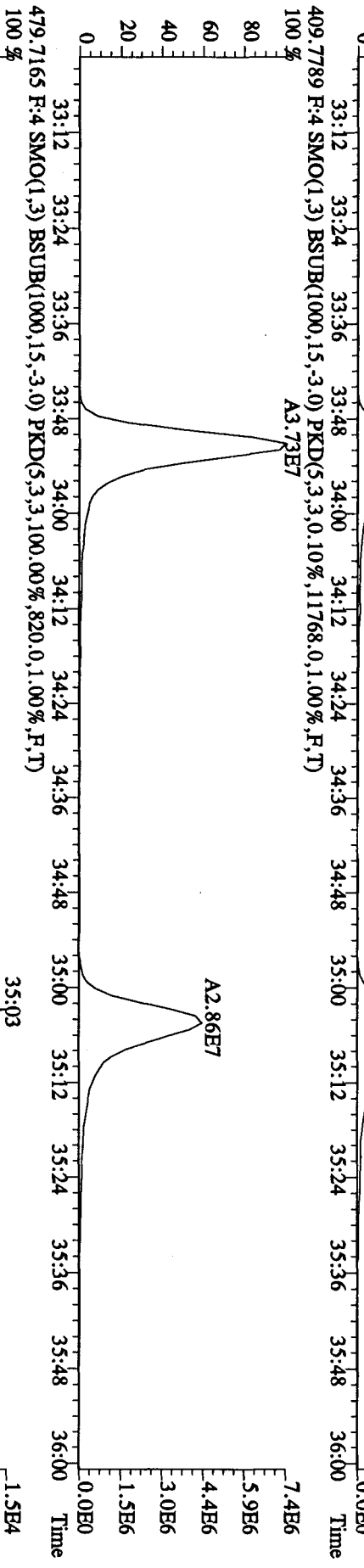
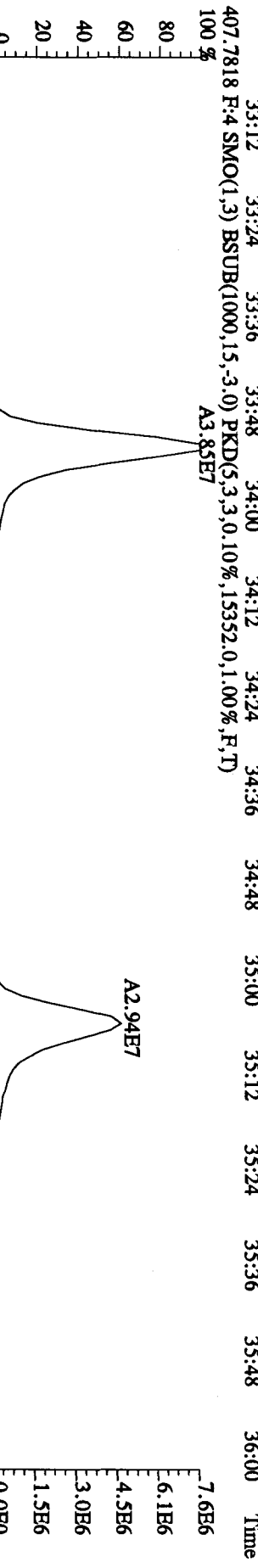
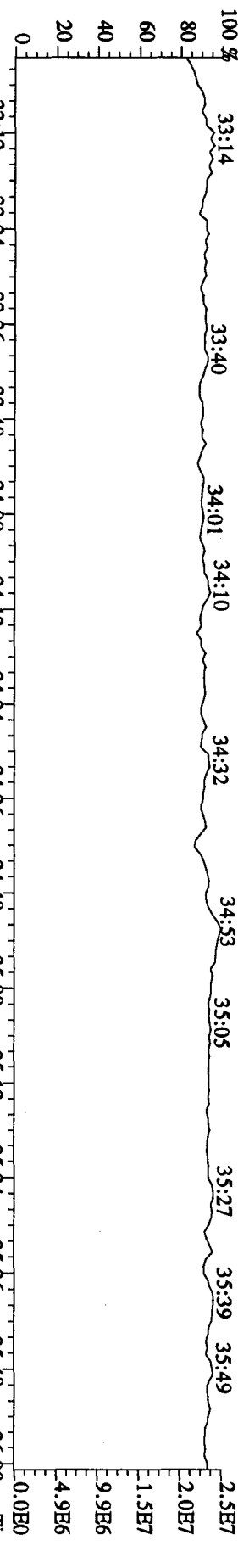
445.7555 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,380.0,1.00%,F,T)



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



File:29AP101D5 #1-210 Acq:29-APR-2010 09:36:17 GC EI + Voltage SIR 70SE
 Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES
 430.9728 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100%

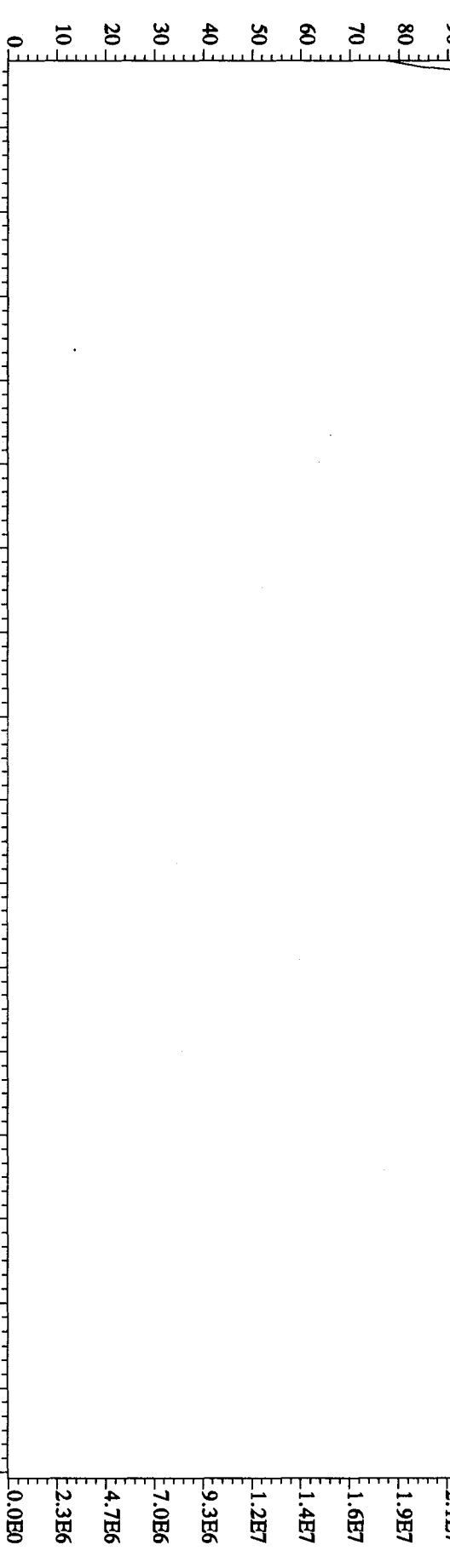


File:29AP101D5 #1-244 Acq:29-APR-2010 09:36:17 GC EI+ Voltage SIR 70SE

Sample#1 Text:ST0429 :CS3 10DXN111 Exp:DIOXINRES

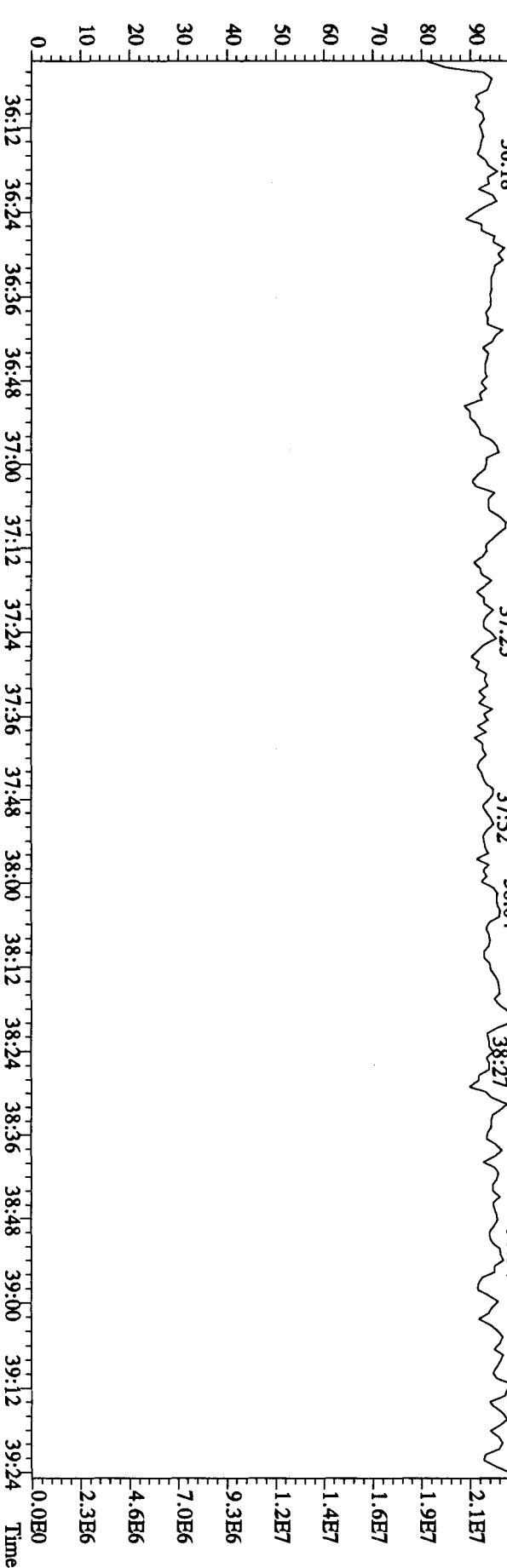
454.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

100% 36:12 36:23 36:37 36:48 37:01 37:17 37:37 37:52 38:22 38:47 39:07

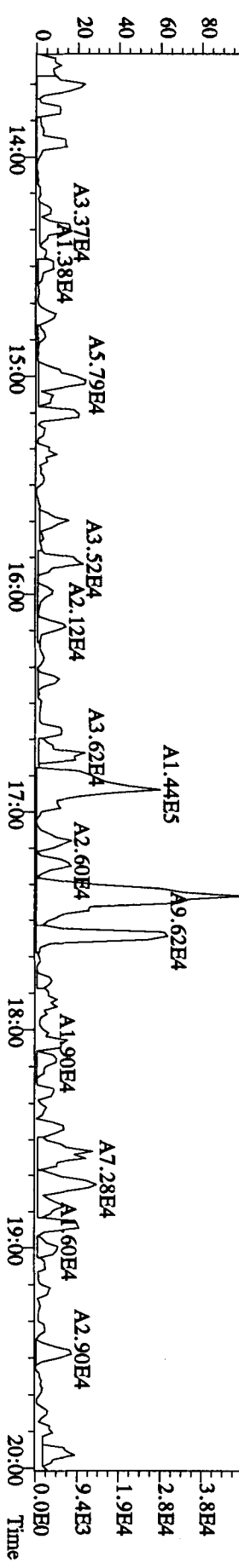
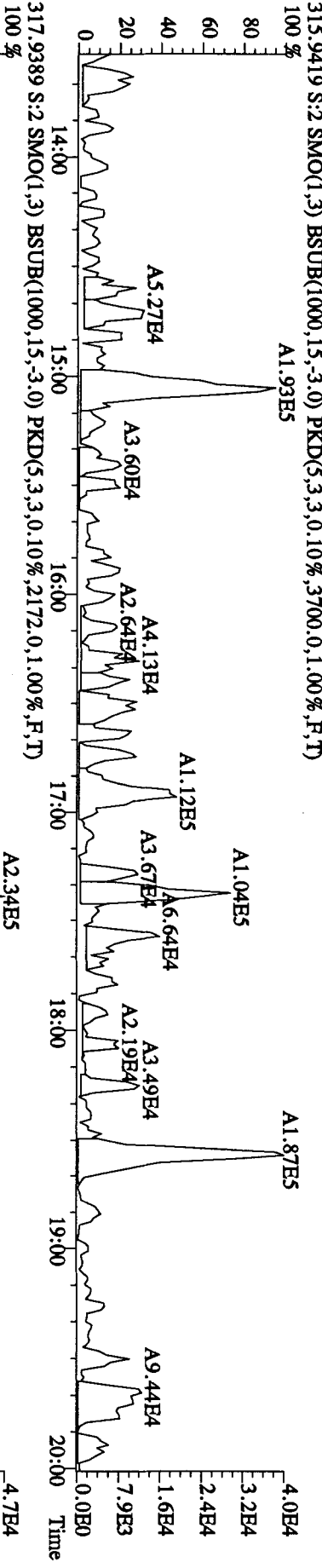
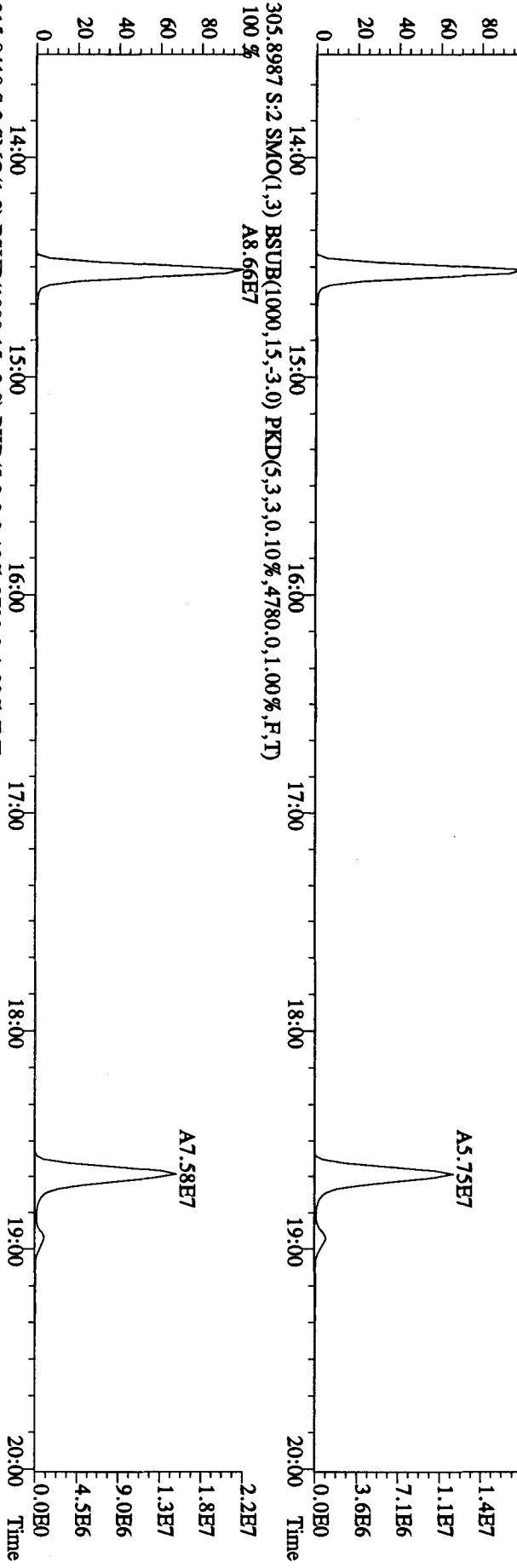


442.9728 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

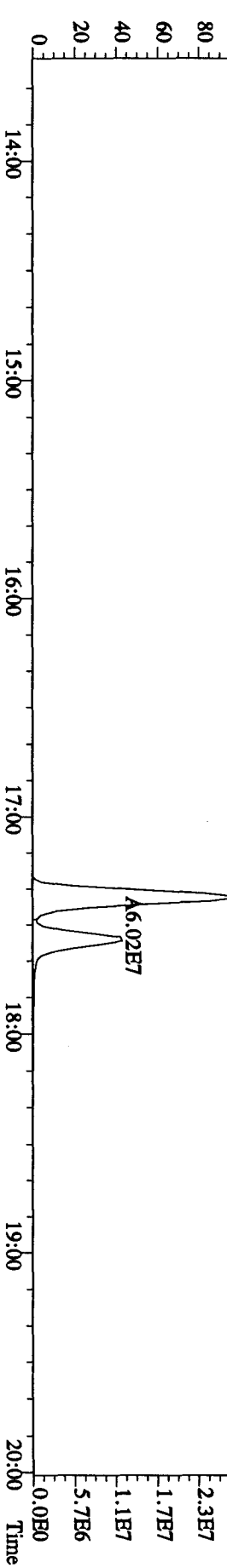
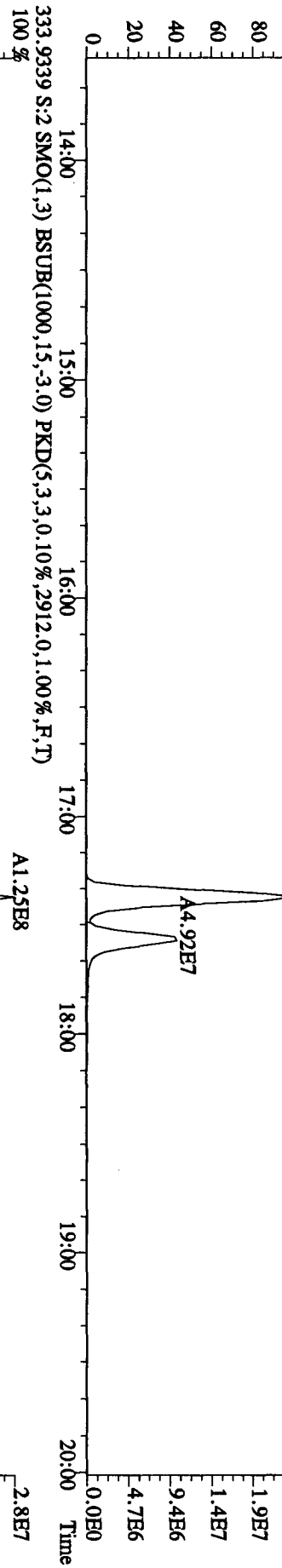
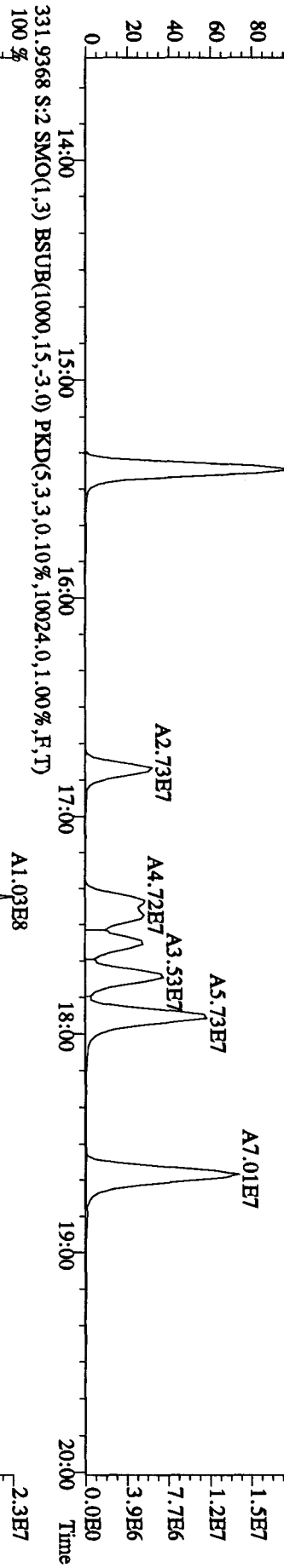
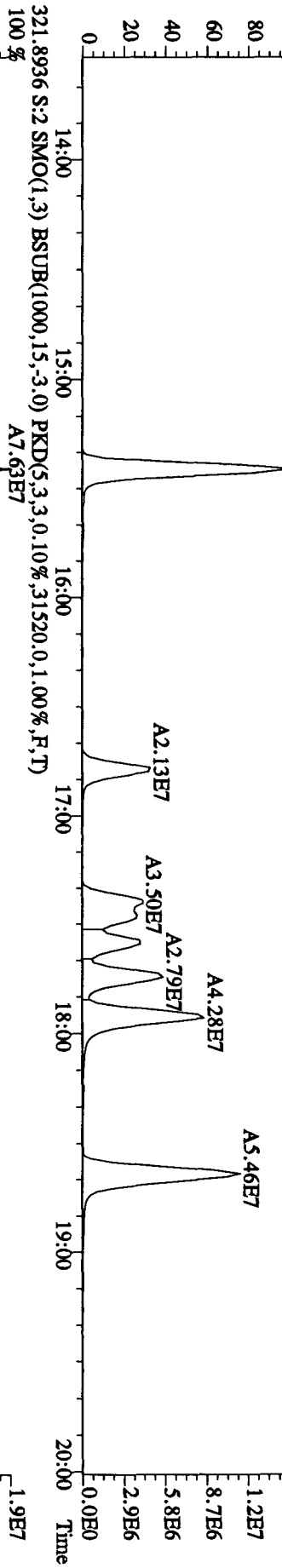
100% 36:12 36:29 37:08 37:25 37:52 38:04 38:19 38:27 38:32 38:54 39:11



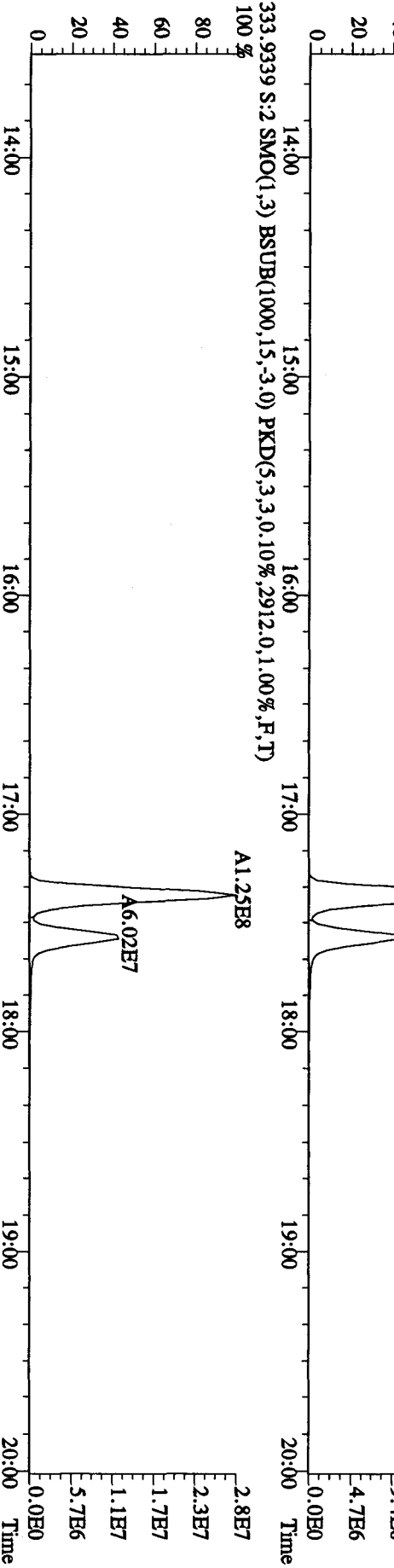
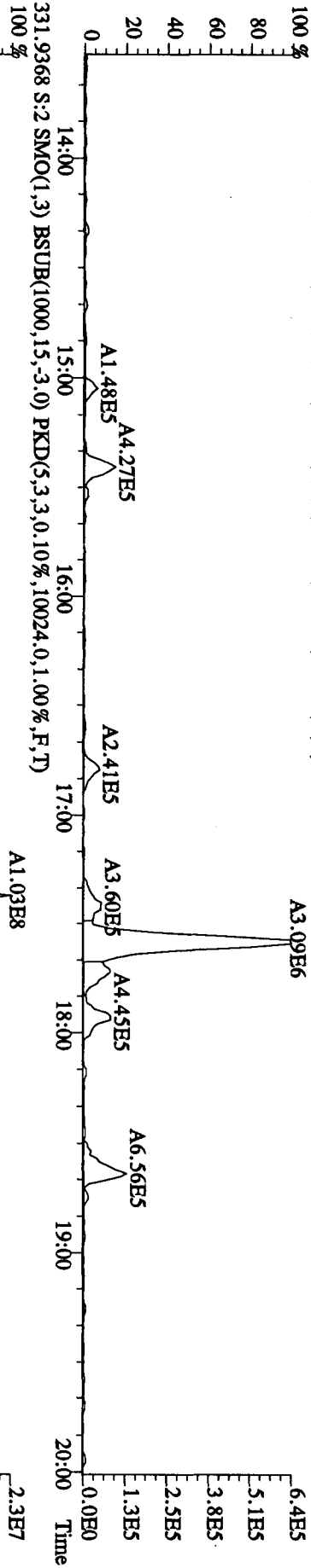
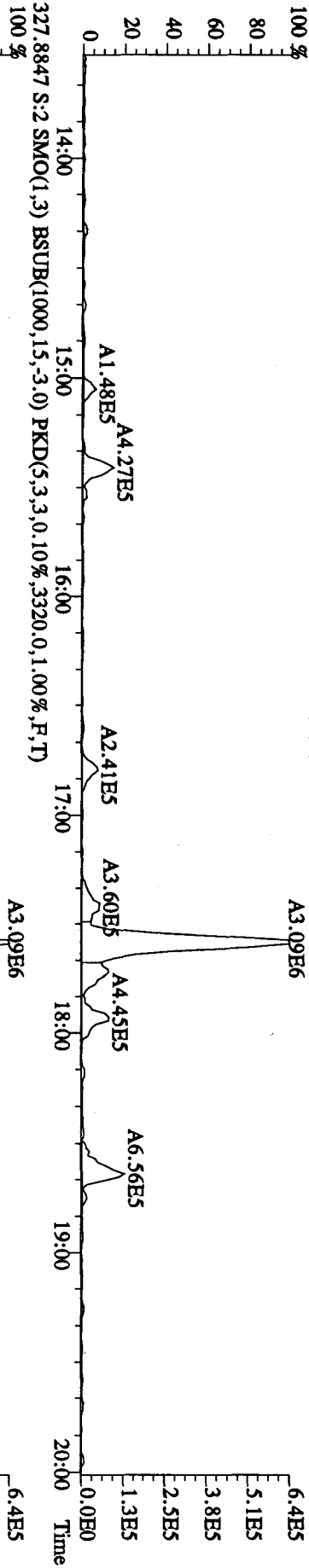
File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CP5M 3732-05 Exp:DIOXINRES
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7448.0,1.00%,F,T)
 100%



File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINES
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8568,0,1,00%,F,T)
 100%



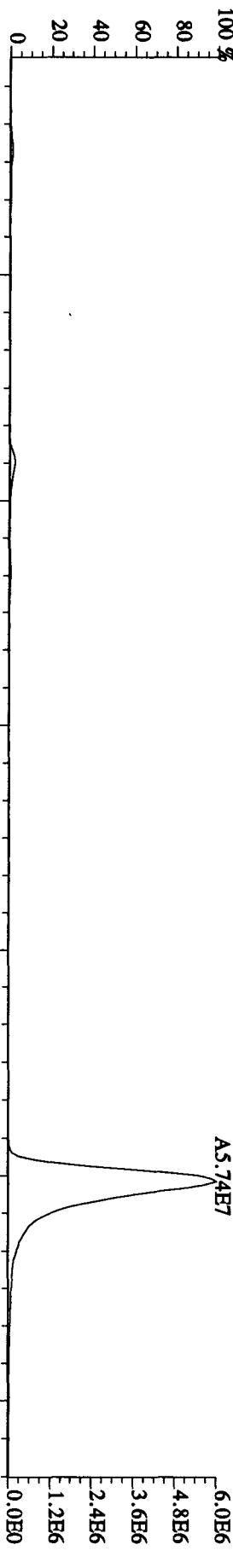
File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 C/PSM 3732-05 Exp:DIOXINRES
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.3320,0,1,00%,F,T)



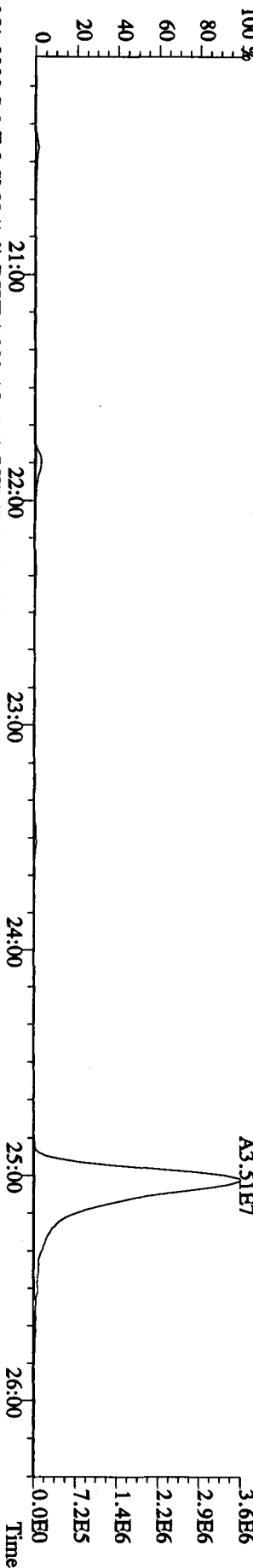
File:29AP101D5 #1-444 Acq:29-APR-2010 10:20:06 GC EI + Voltage SIR 70SE

Sample#2 Text:CP0429 :DB-5 C/PSM 3732-05 Exp:DIOXINRES

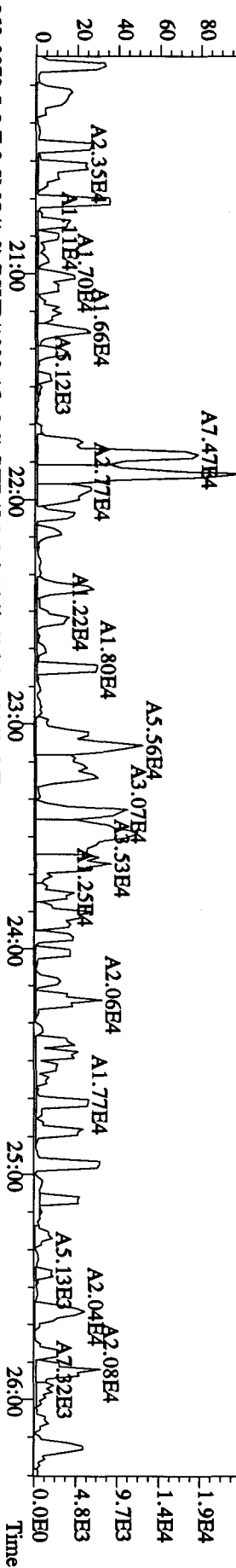
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6480,0.1,0.00%,F,T)



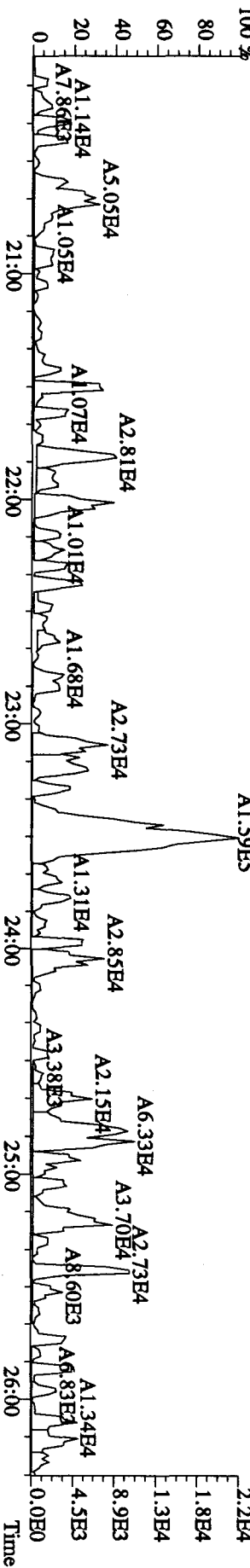
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5868,0.1,0.00%,F,T)



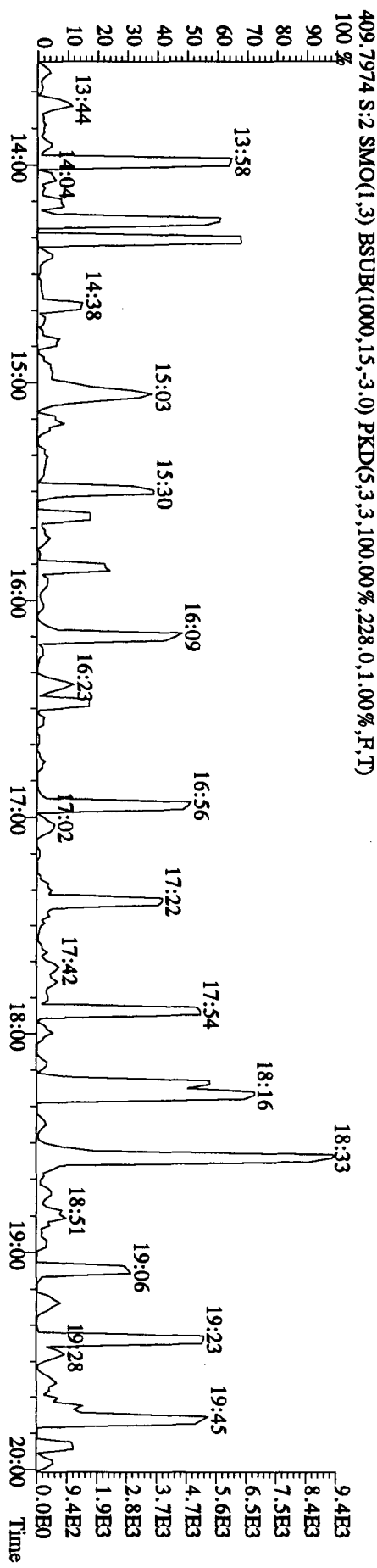
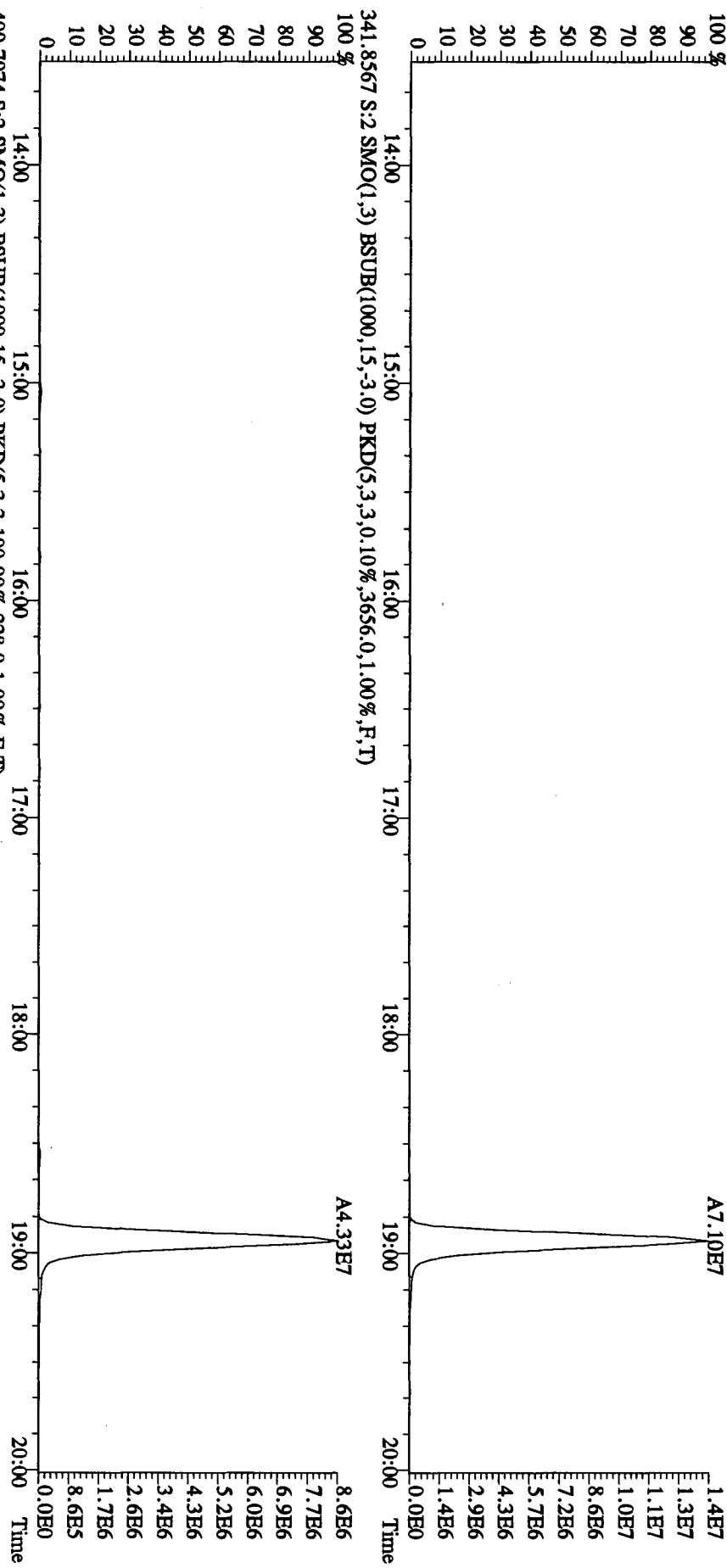
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,692,0.1,0.00%,F,T)



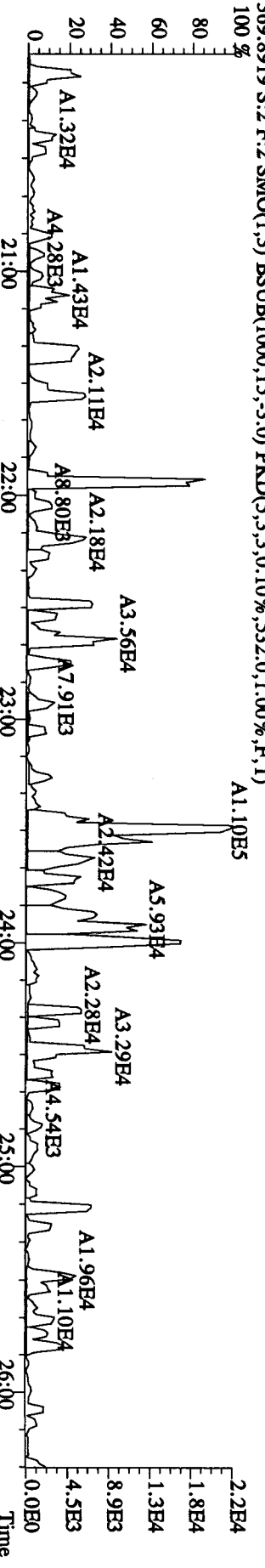
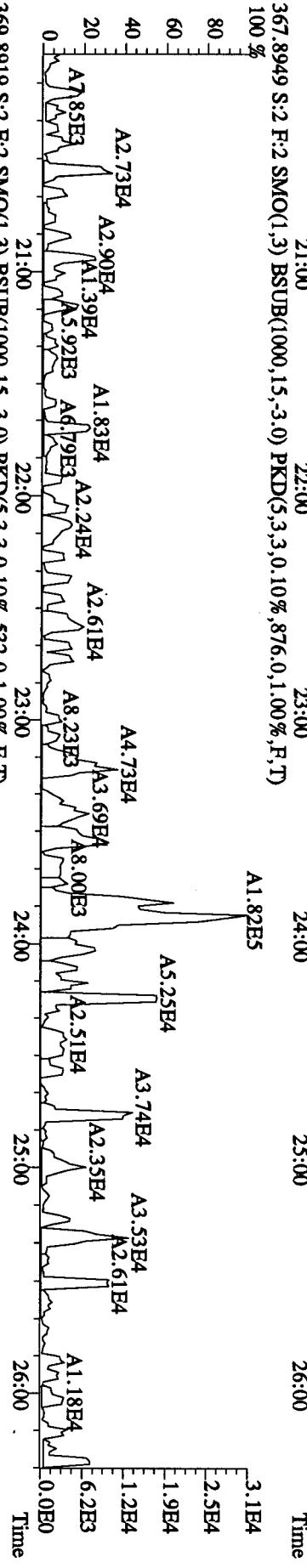
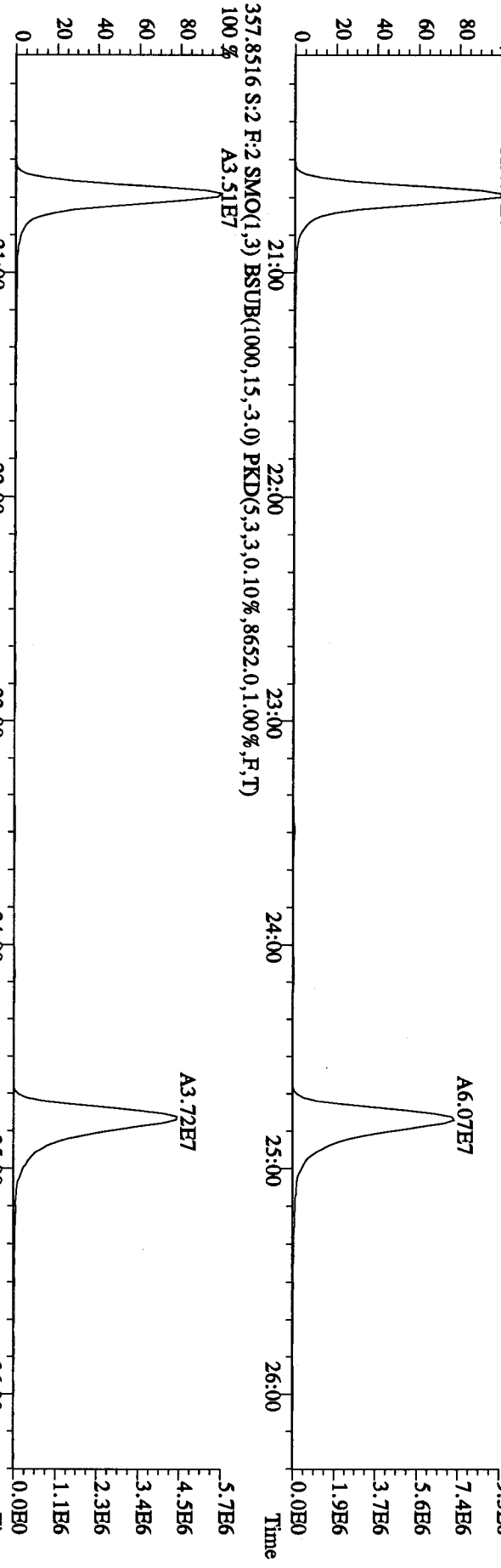
353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,636,0.1,0.00%,F,T)

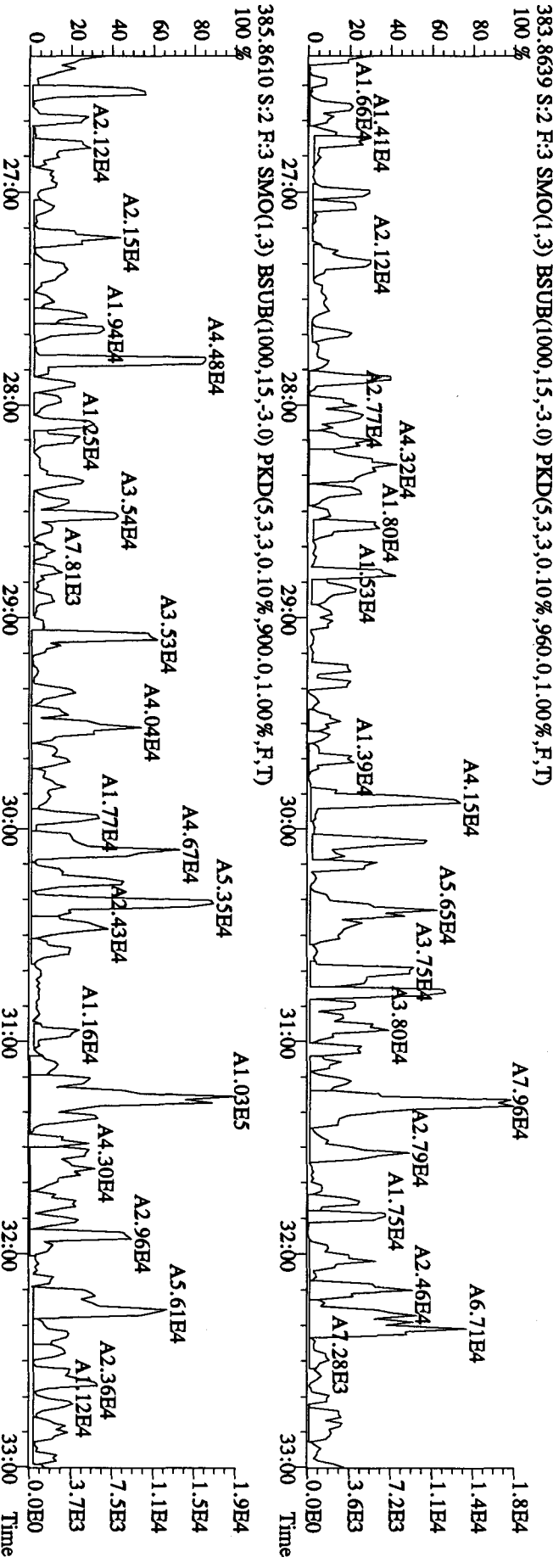
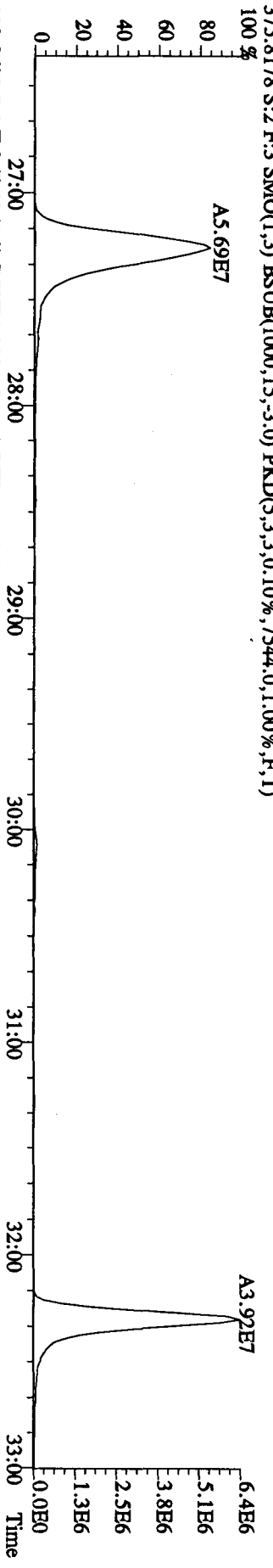
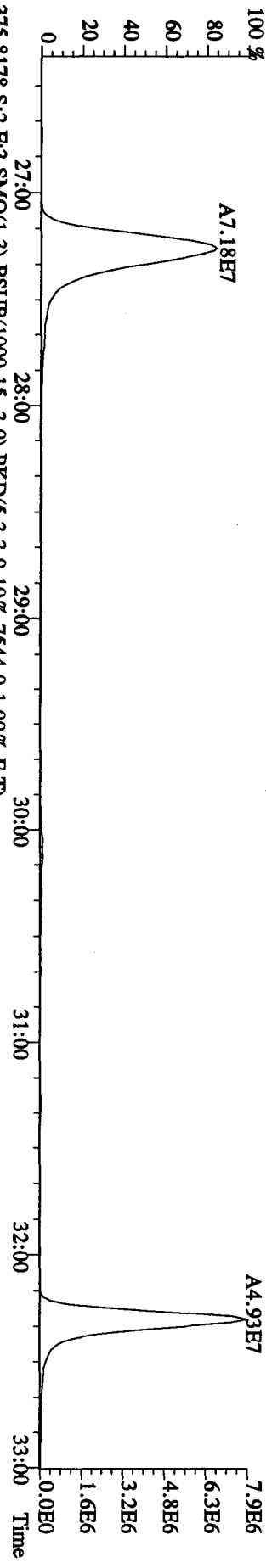


File:29AP1010D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 C/PSM 3732-05 Exp:DIOXINRES
 339.8597 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2112.0,1.00%,F,T)

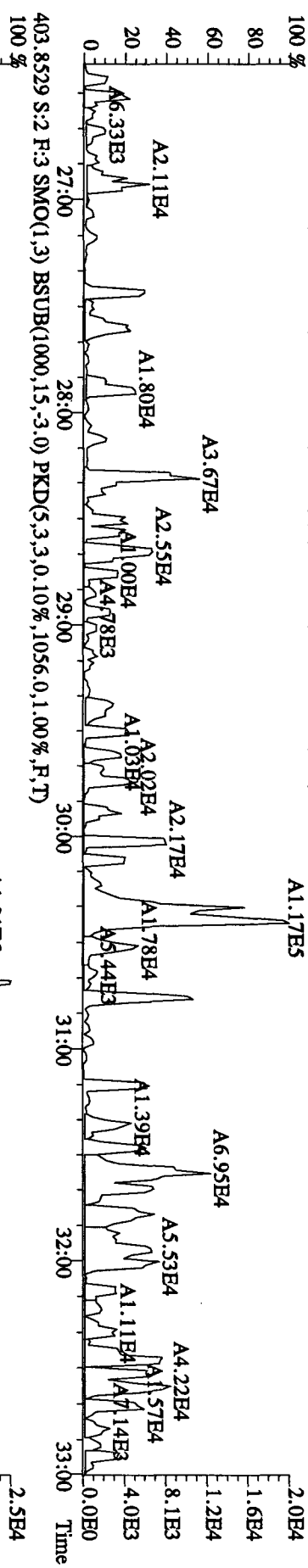
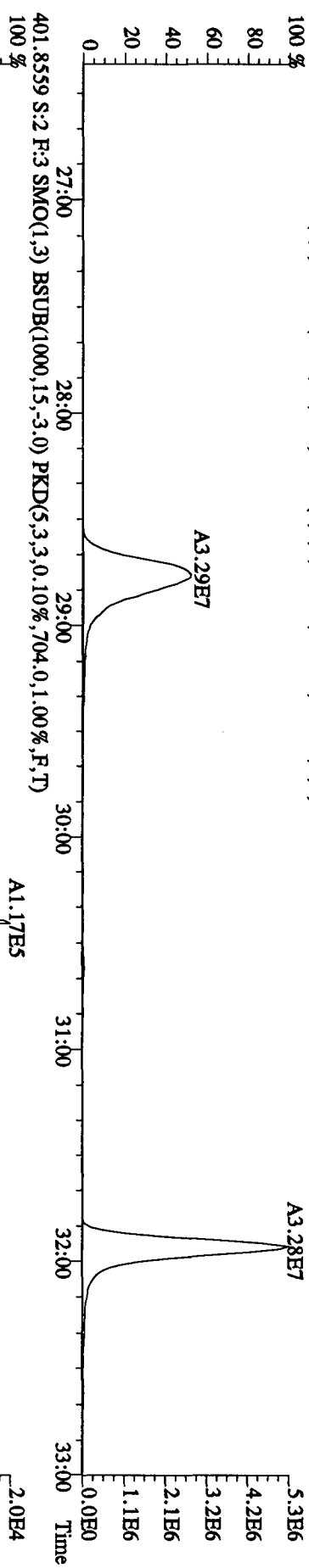
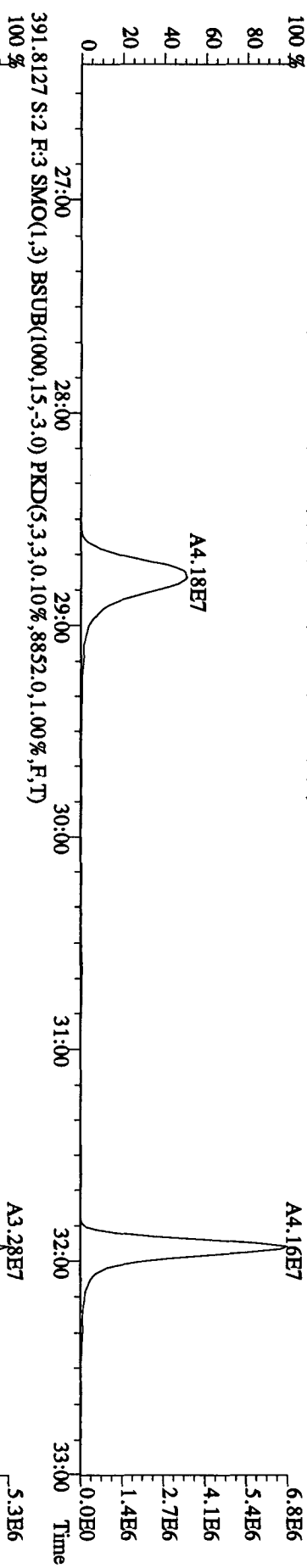


File:29AP101D5 #1-444 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CPISM 3732-05 Exp:DIOXINRES
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12544,0,1.00%,F,T)
 100 % A5.79E7

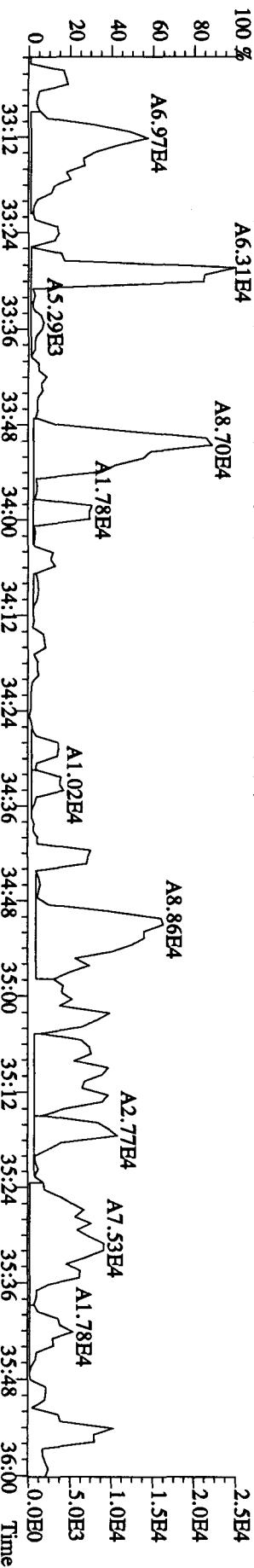
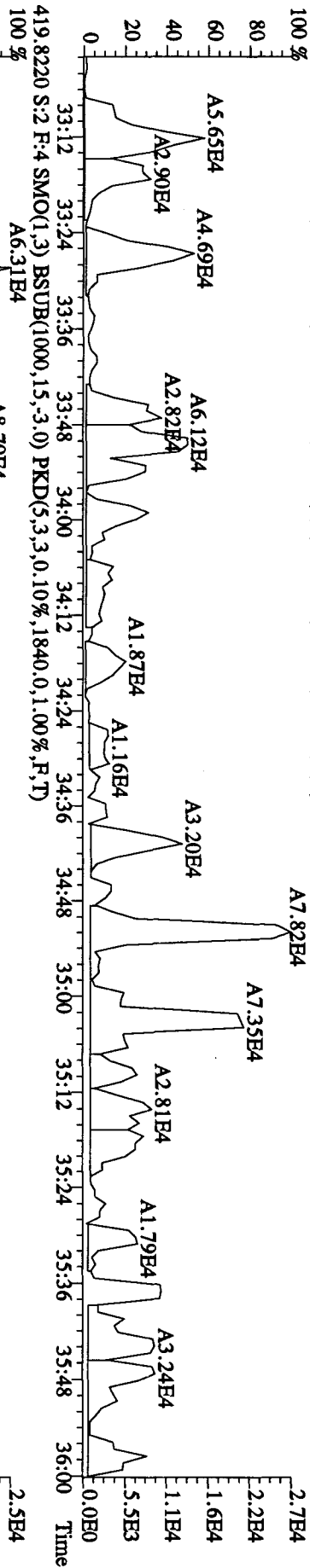
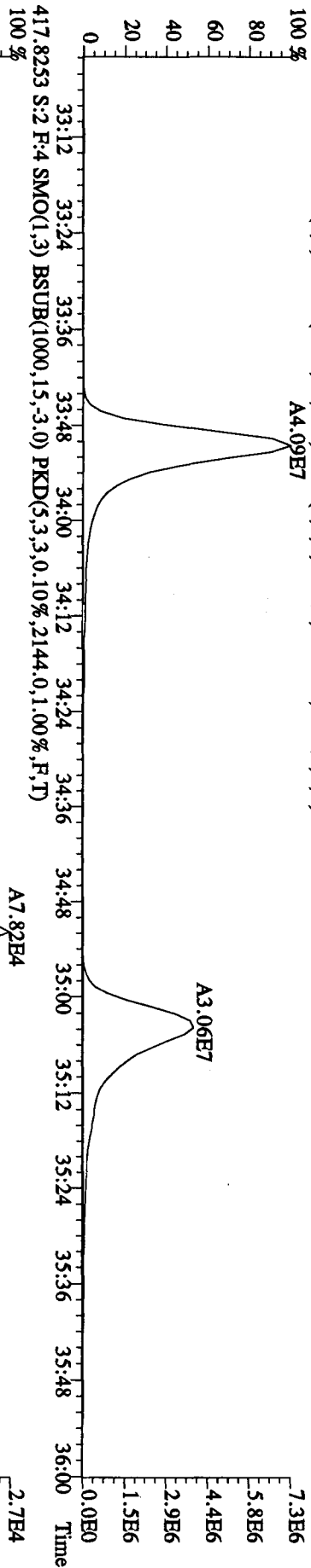
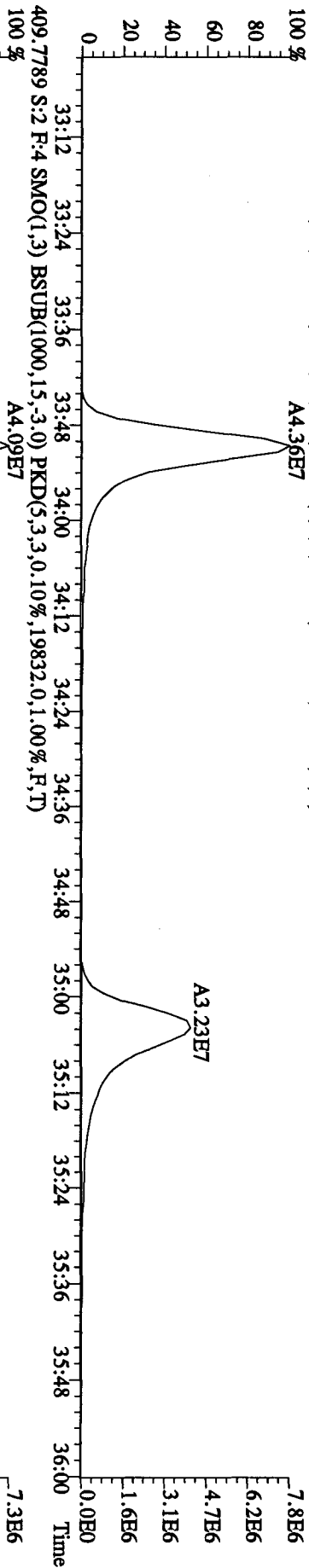




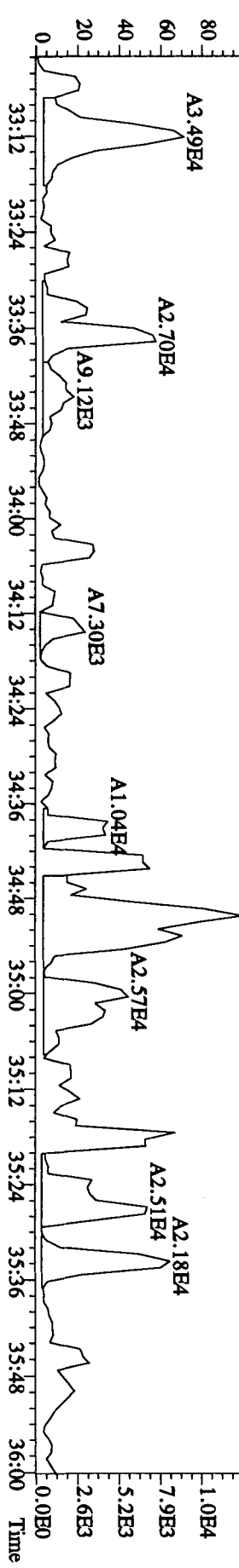
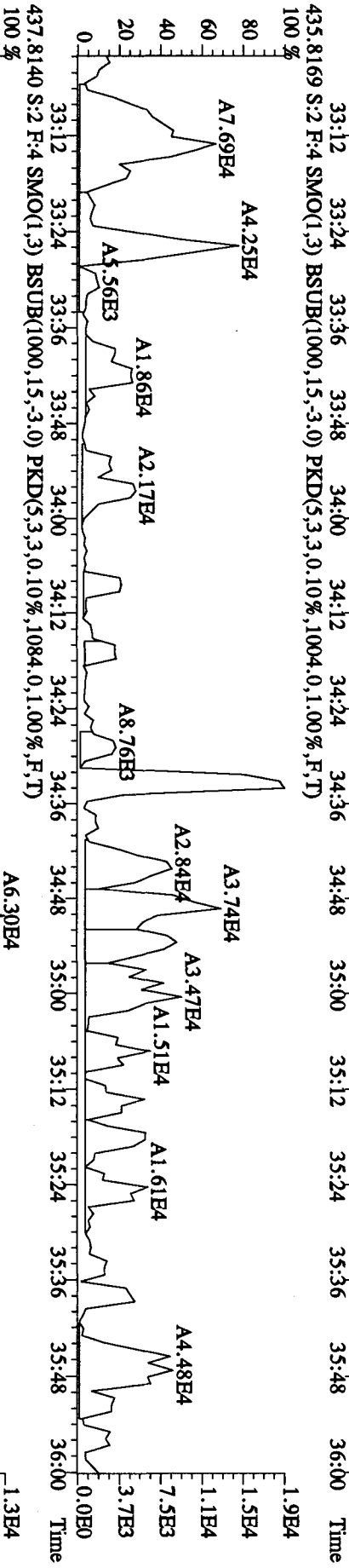
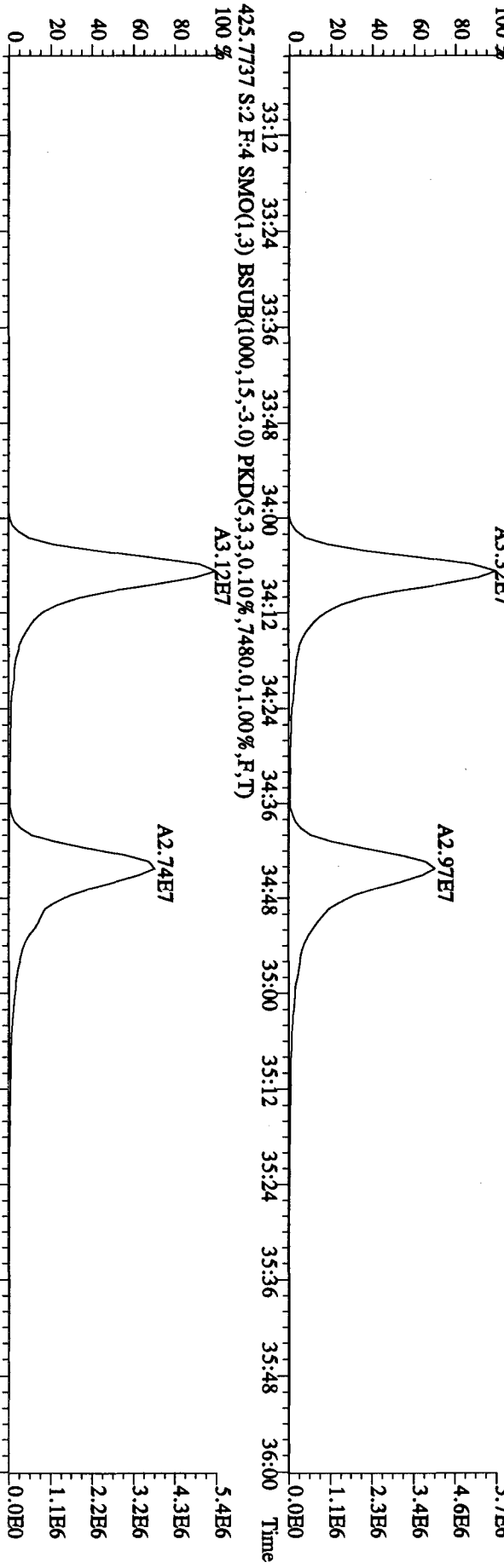
File:29AP101D5 #1-447 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CPISM 3732-05 Exp:DIOXINRES
 389.8127 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7328,0.1,00%,F,T)



File:29AP101D5 #1-210 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,21124,0,1,00%,F,T) 100 %
 A4.36E7



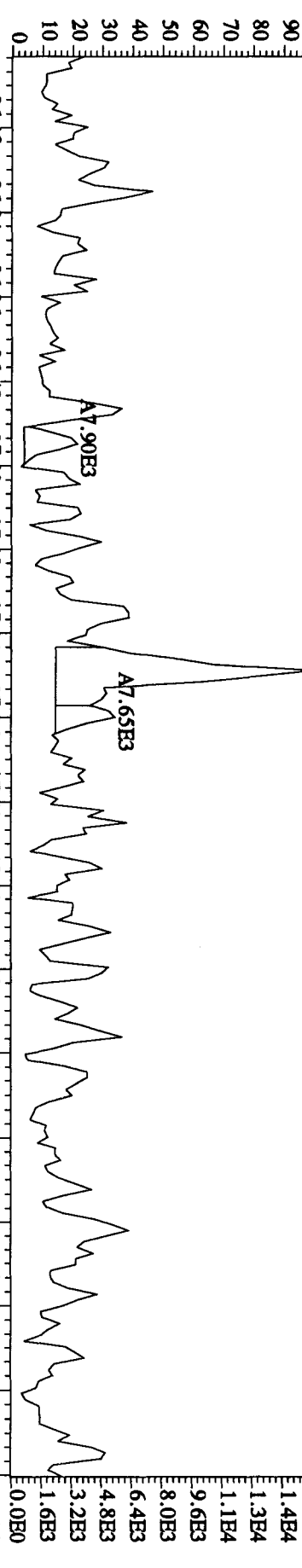
File:29AP101D5 #1-210 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CP5M 3732-05 Exp:DIOXINRES
 423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,12932.0,1.00%,F,T)
 100 %



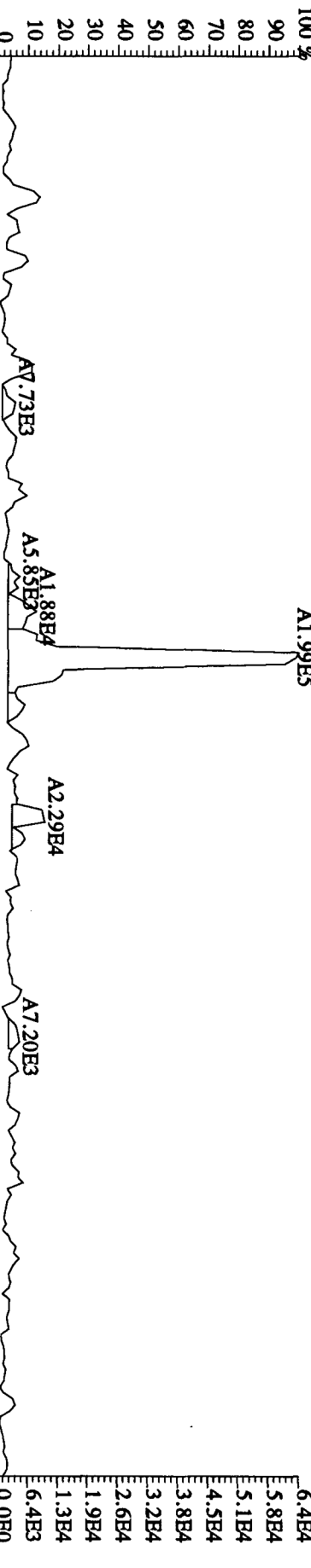
File:29AP101D5 #1-244 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE

Sample#2 Text:CP0429 :DB-5 CPM 3732-05 Exp:DIOXINRES

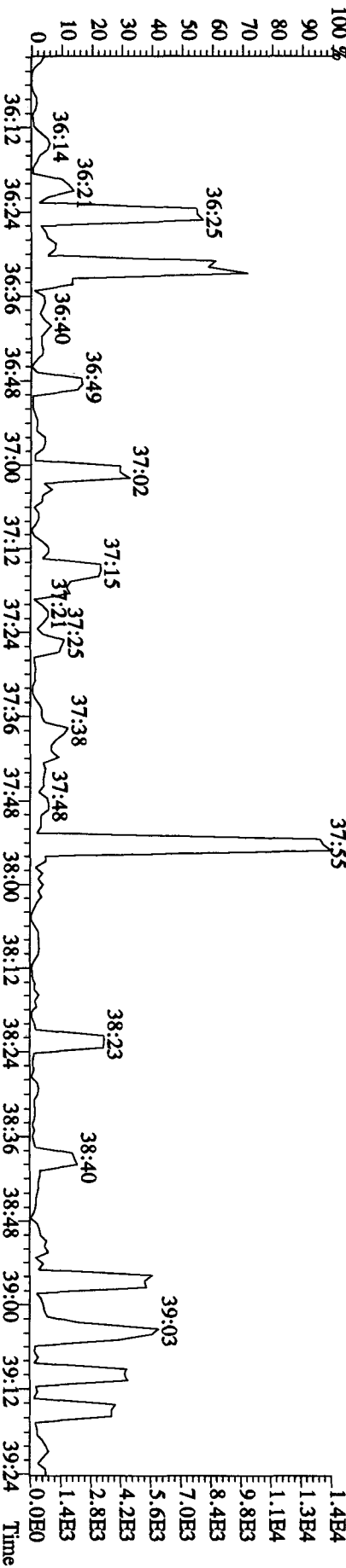
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,F,T) A5.03E4



443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,F,T) A1.99E5



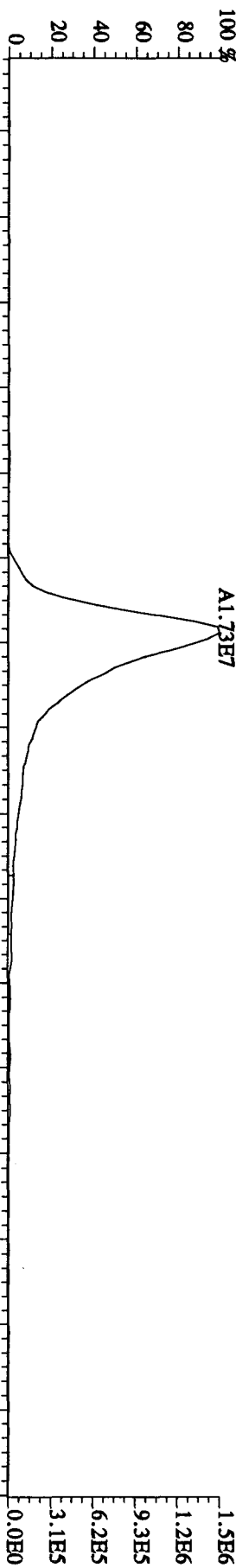
513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,720.0,1.00%,F,T) A1.4E4



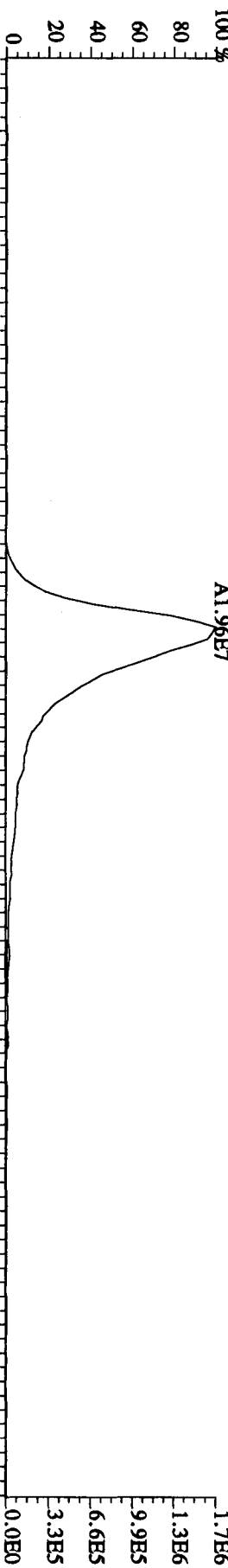
File:29AP1010D5 #1-244 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE

Sample#2 Text:CP0429 :DB-5 CPM 3732-05 Exp:DIOXINRES

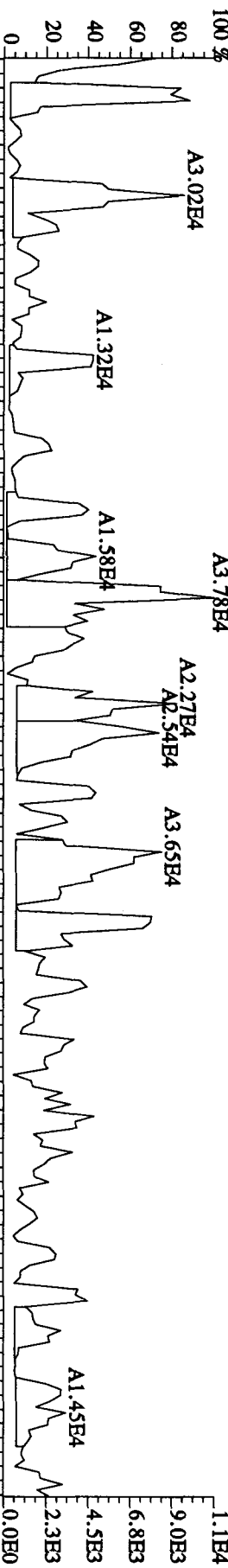
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5236,0.1,00%,F,T,D)



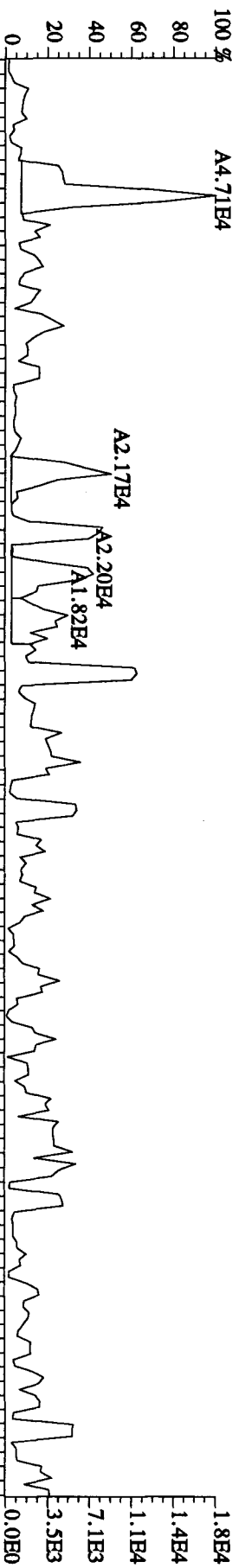
459.7348 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5320,0.1,00%,F,T,D)



469.7779 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2248,0.1,00%,F,T,D)



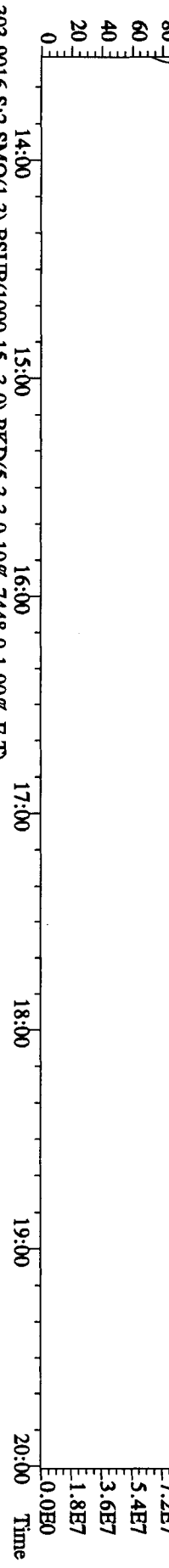
471.7750 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3440,0.1,00%,F,T,D)



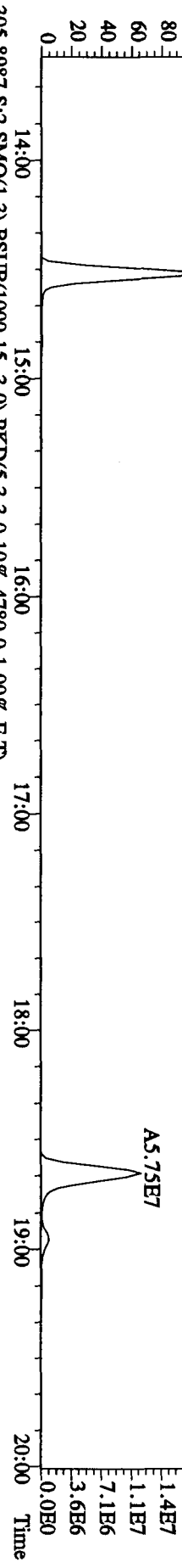
File:29AP101D5 #1-384 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE

Sample#2 Text:CP0429 :DB-5 CPSM 3732-05 Exp:DIOXINRES

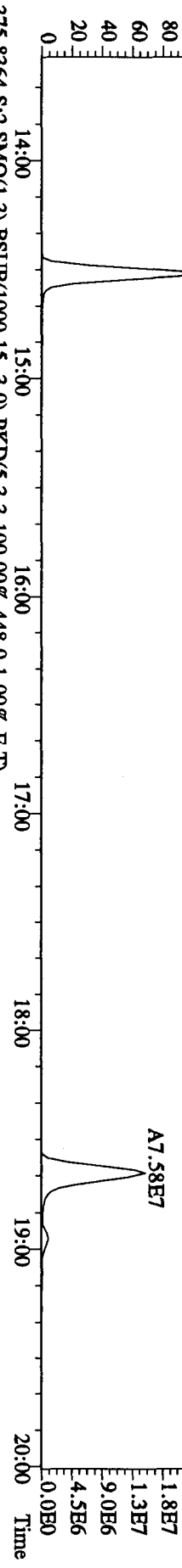
292.9825 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T) 13:56 14:27 14:48 15:09 15:41 16:04 16:38 17:11 17:33 18:07 18:38 19:03 19:39



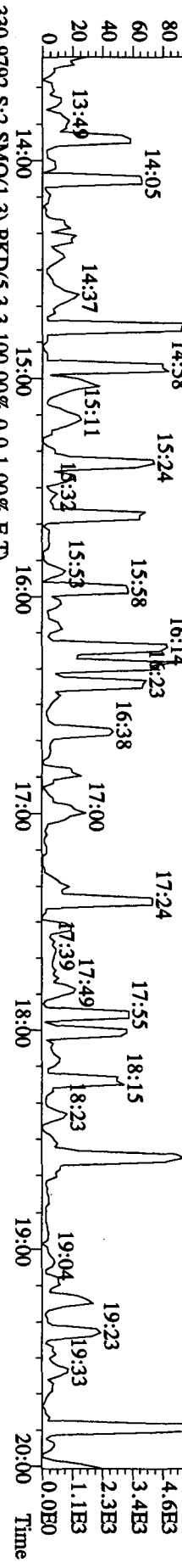
303.9016 S:2 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,7448.0,1.00%,F,T) A6.84E7



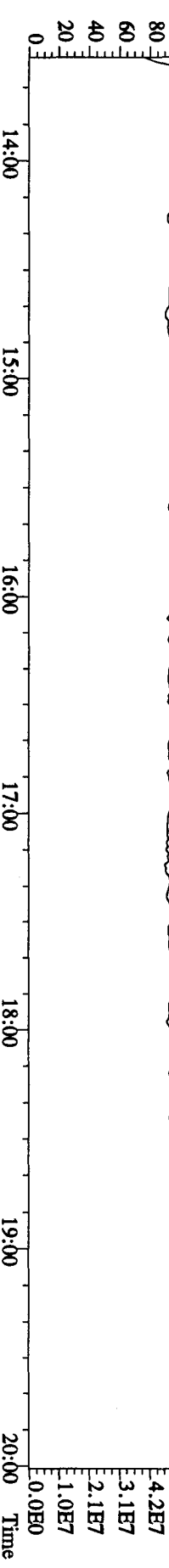
305.8987 S:2 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,4780.0,1.00%,F,T) A8.66E7



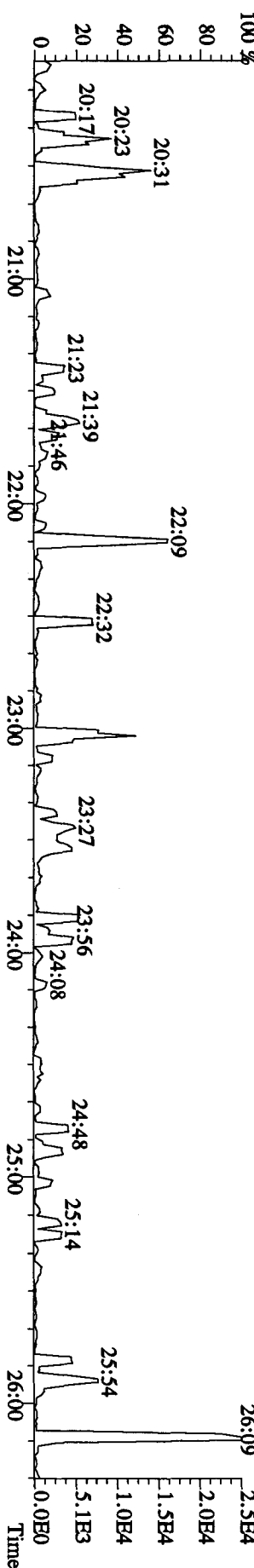
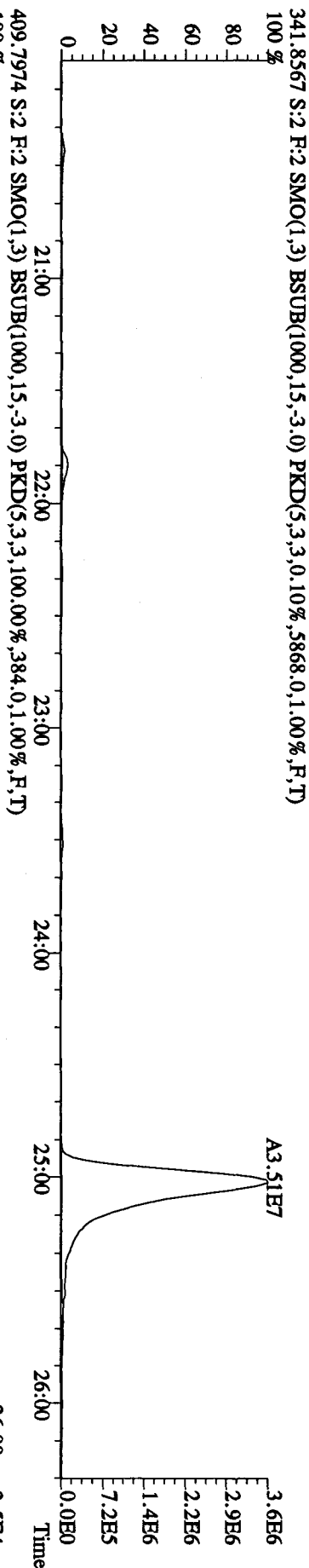
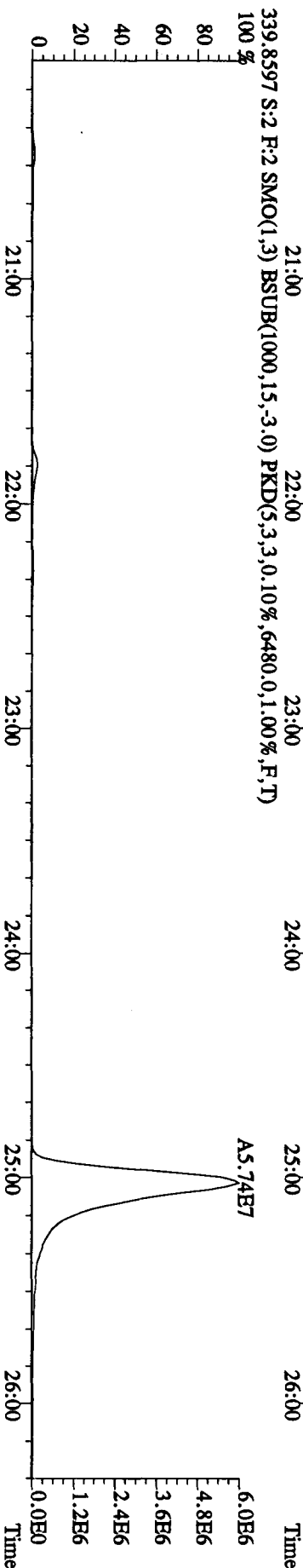
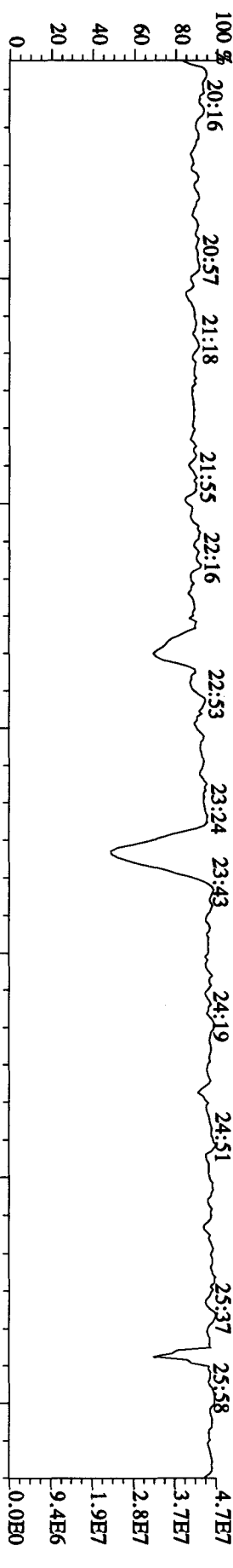
375.8364 S:2 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,100.00%,448.0,1.00%,F,T)



330.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



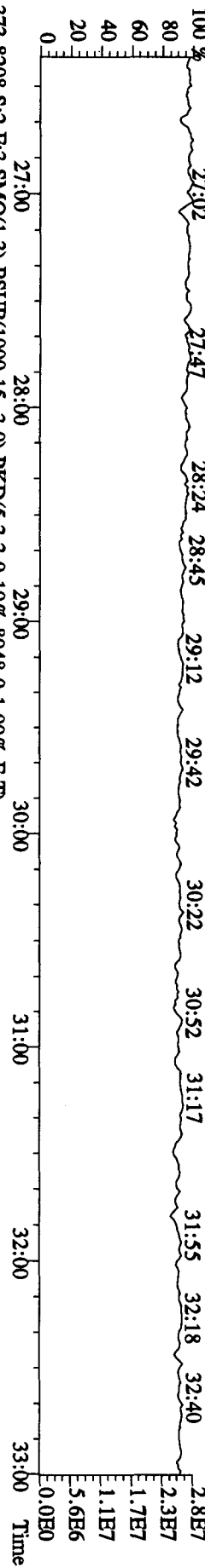
File:29AP101D5 #1-444 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0429 :DB-5 CPM 3732-05 Exp:DIOXINRES



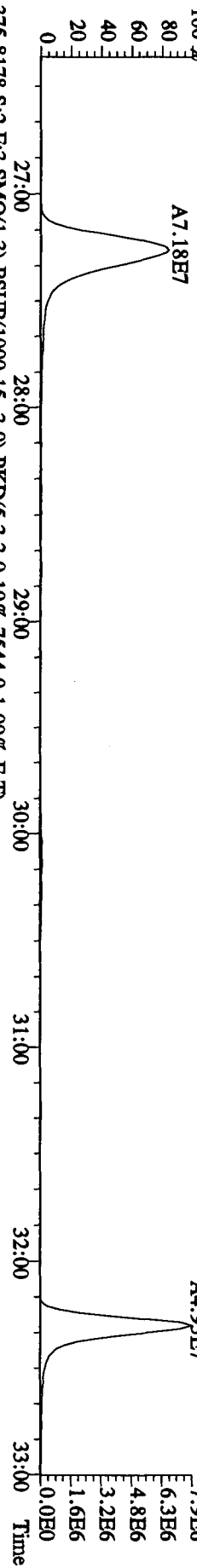
File:29AP101D5 #1-447 Acq:29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE

Sample#2 Text:CP0429 :DB-5 CP5M 3732-05 Exp:DIOXINRES

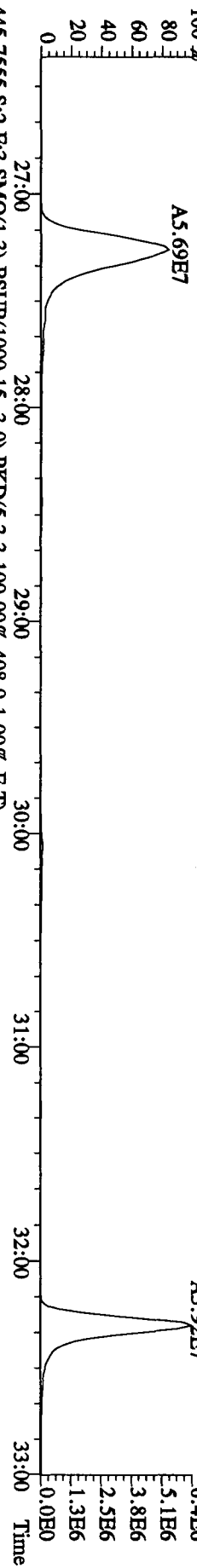
392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



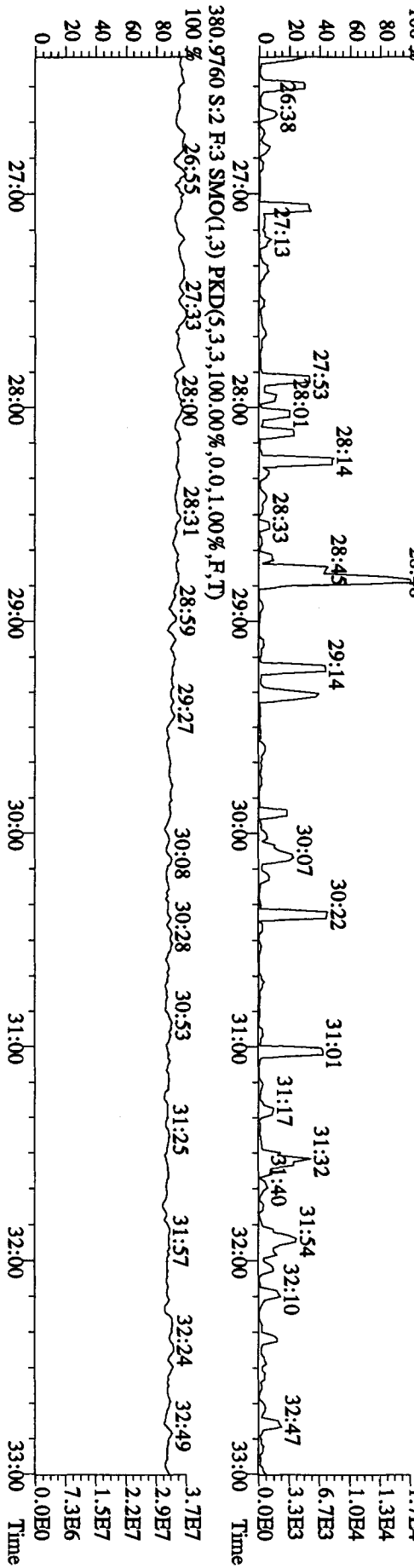
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8048,0.1,0.0%,F,T)



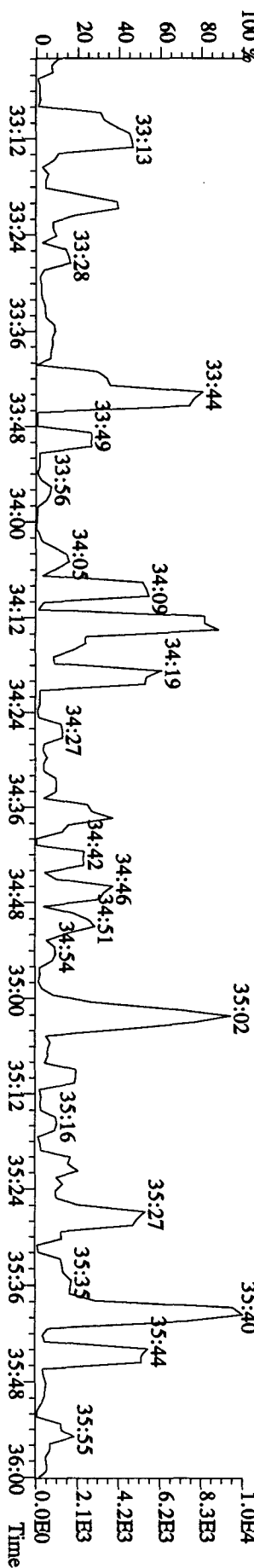
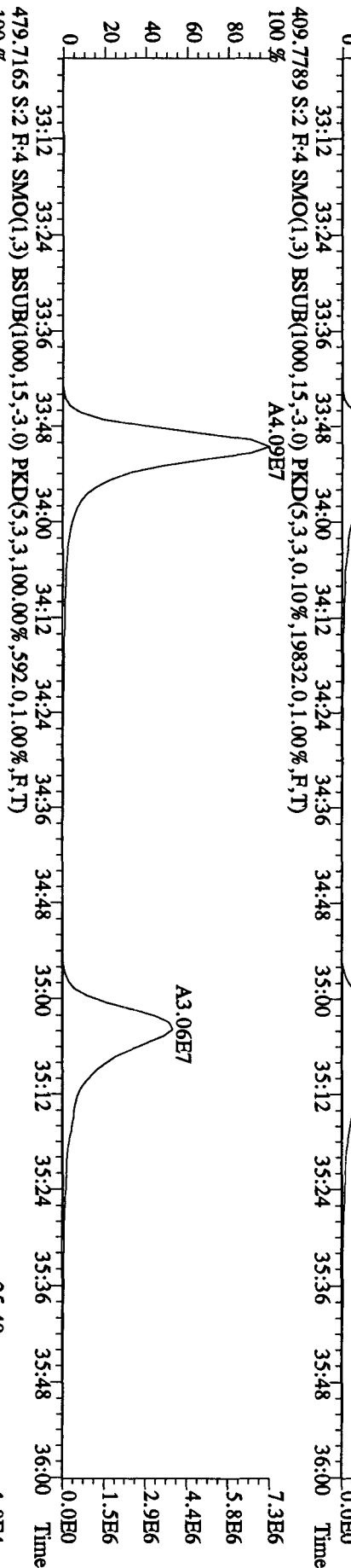
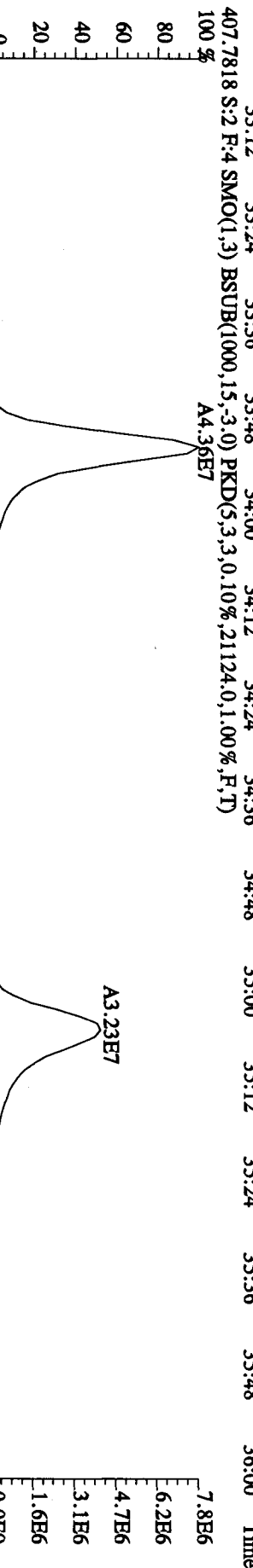
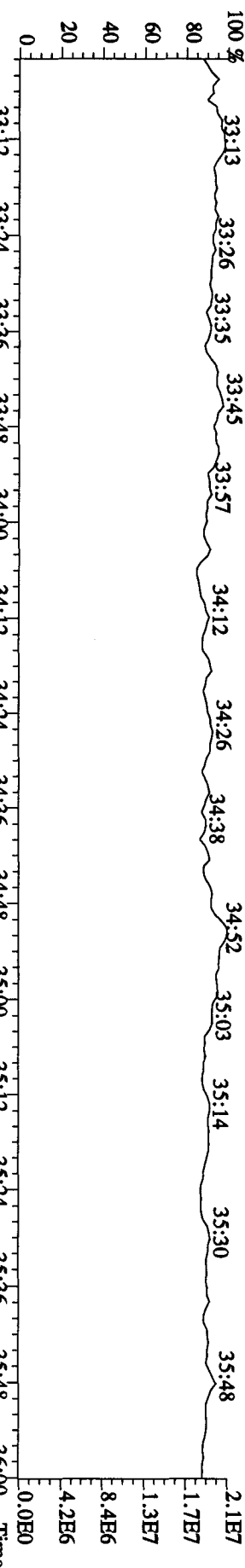
375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7544,0.1,0.0%,F,T)



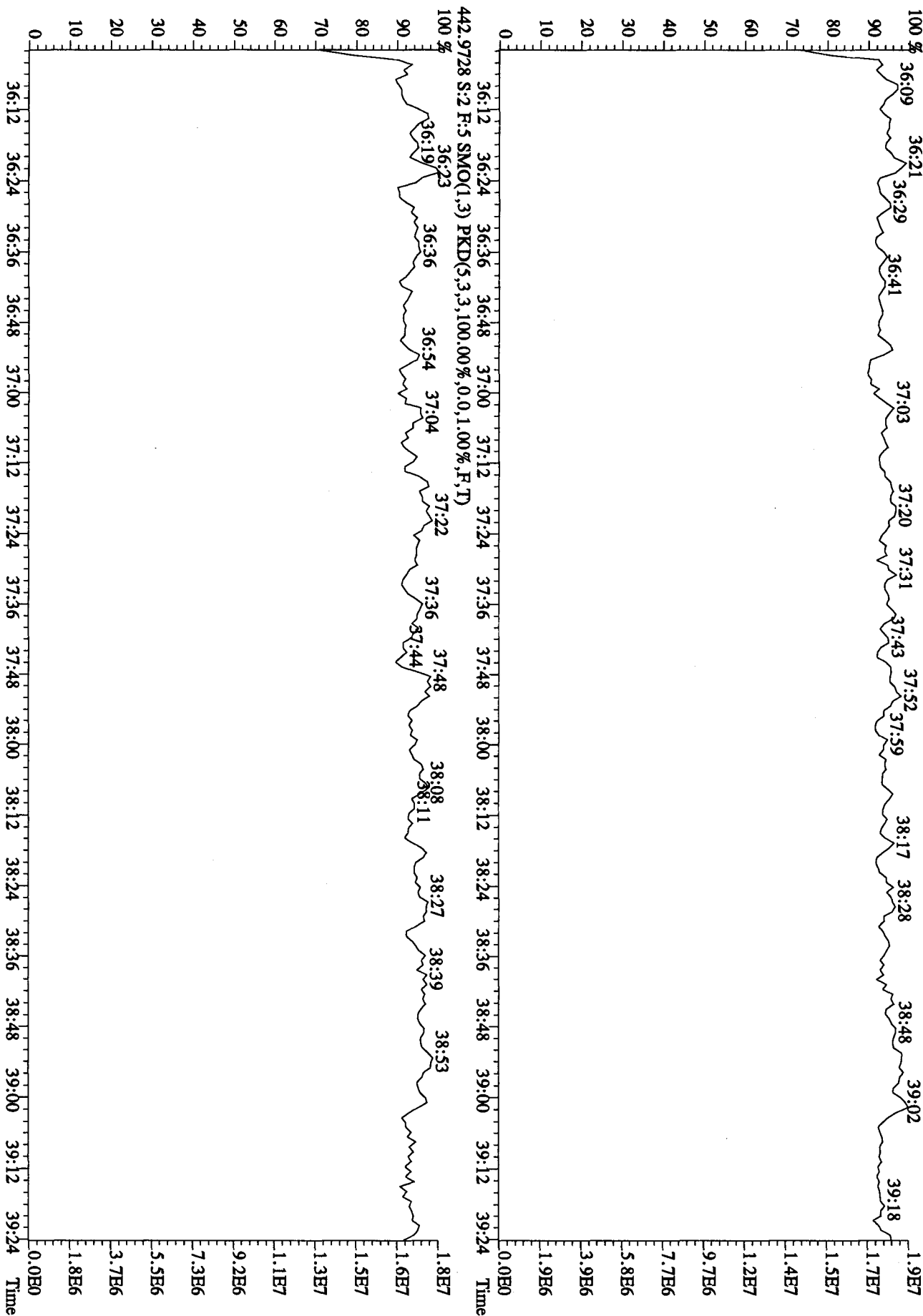
445.7555 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,408,0.1,0.0%,F,T)



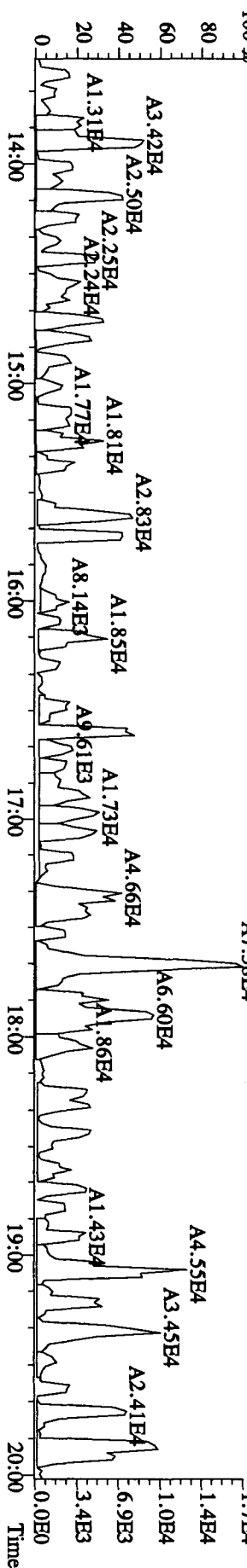
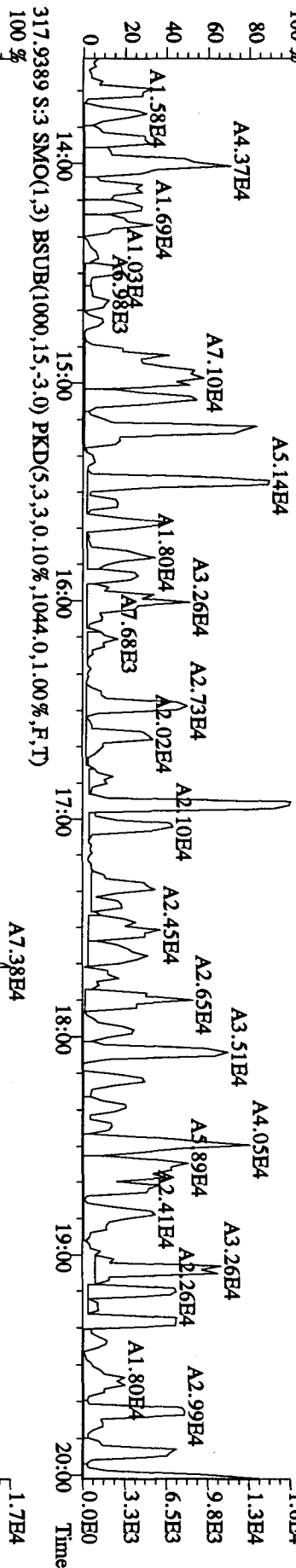
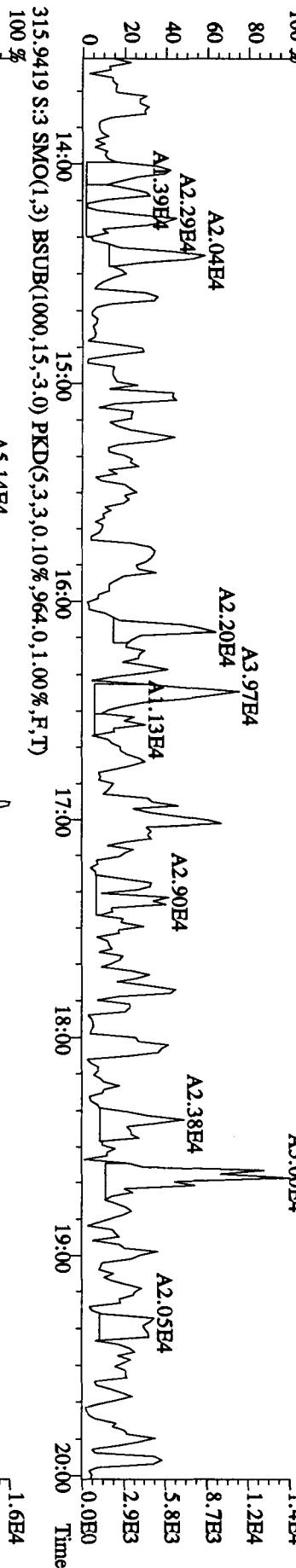
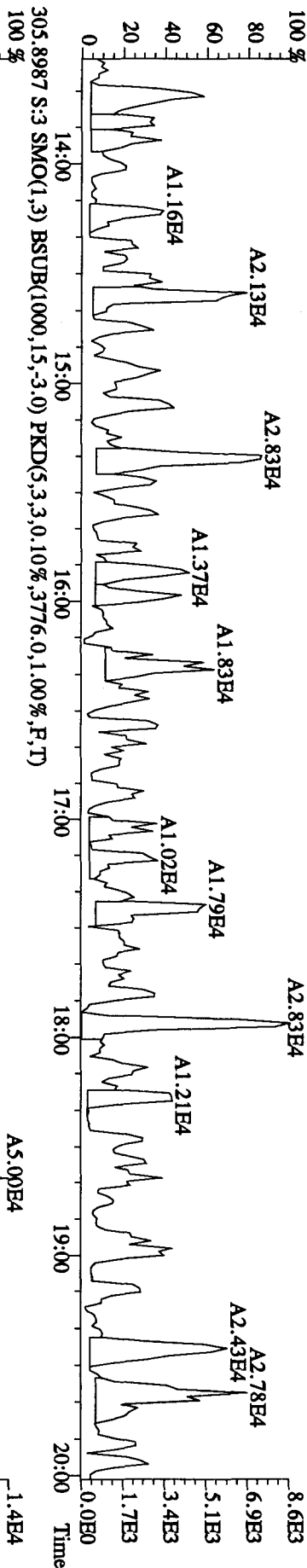
File: 29AP101D5 #1-210 Acq: 29-APR-2010 10:20:06 GC EI+ Voltage SIR 70SE
 Sample#2 Text: CP0429 :DB-5 CPSM 3732-05 Exp: DIOXINRES



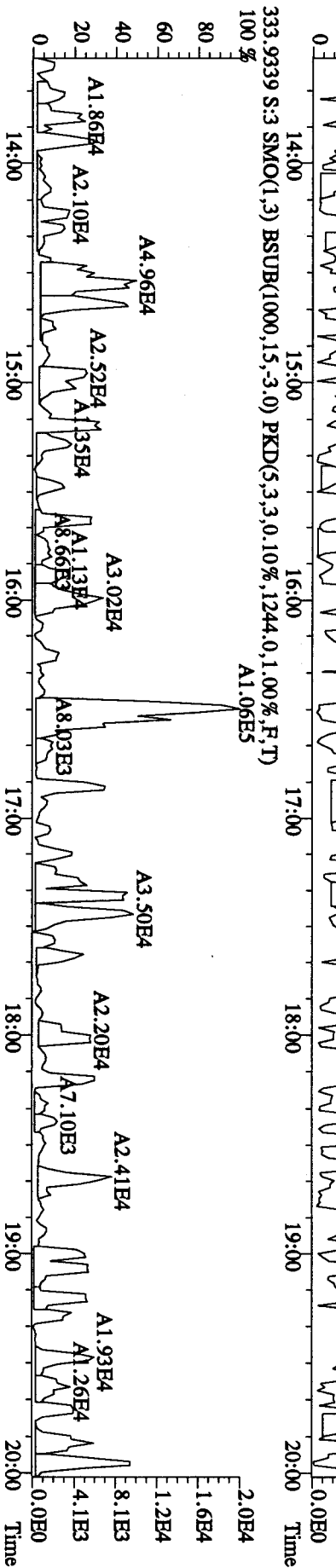
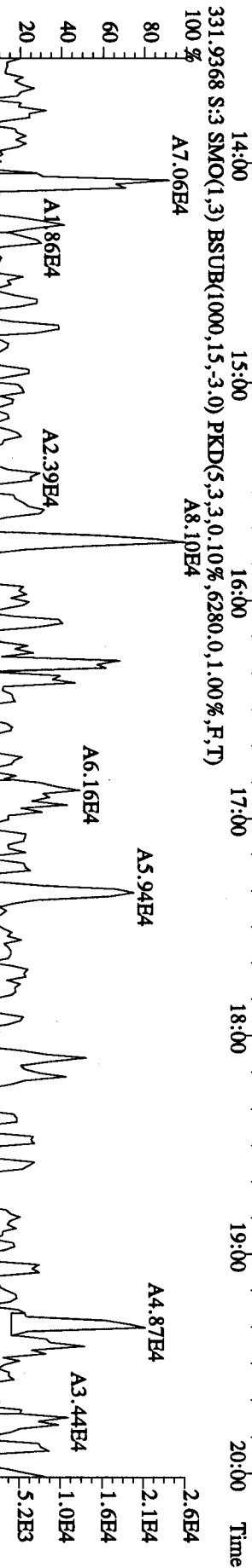
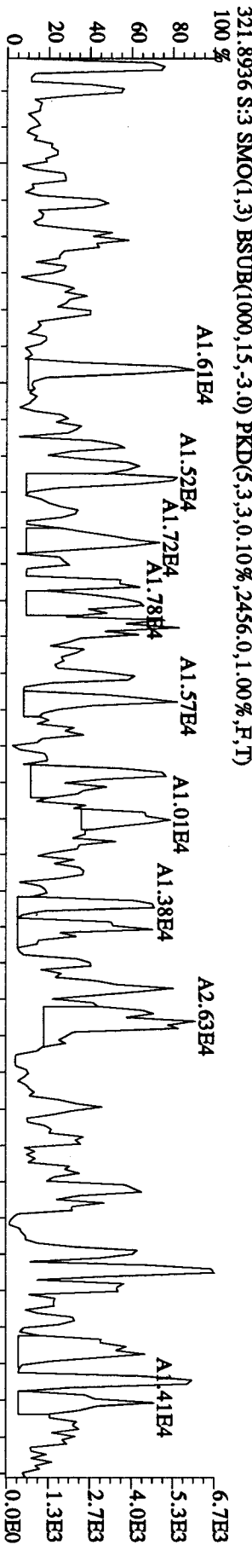
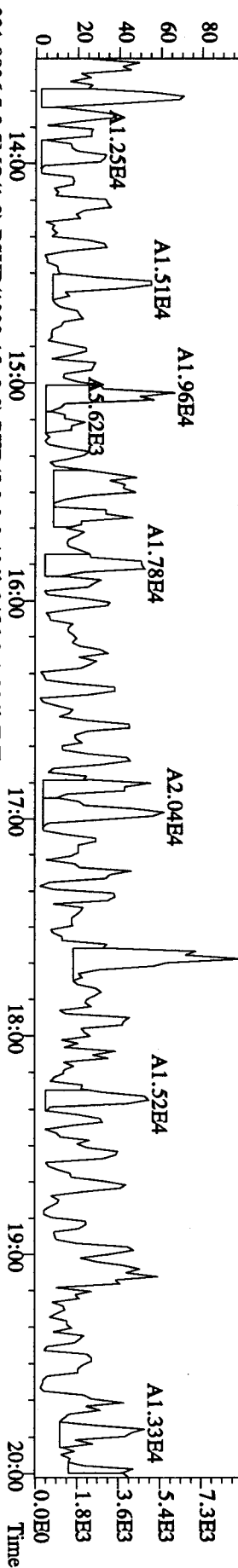
File: 29AP101D5 #1-244 Acq: 29-APR-2010 10:20:06 GC EI + Voltage SIR 70SE
 Sample#2 Text: CP0429 :DB-5 CPM 3732-05 Exp: DIOXINES
 454,9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File: 29AP1010D5 #1-385 Acq: 29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text: SB0429 :Solvent Blank C-14 Exp: DIOXINRES
 305.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2340,0,1,00%,F,T)



File:29AP101D5 #1-385 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2648,0,1.00%,F,T)
 100 %

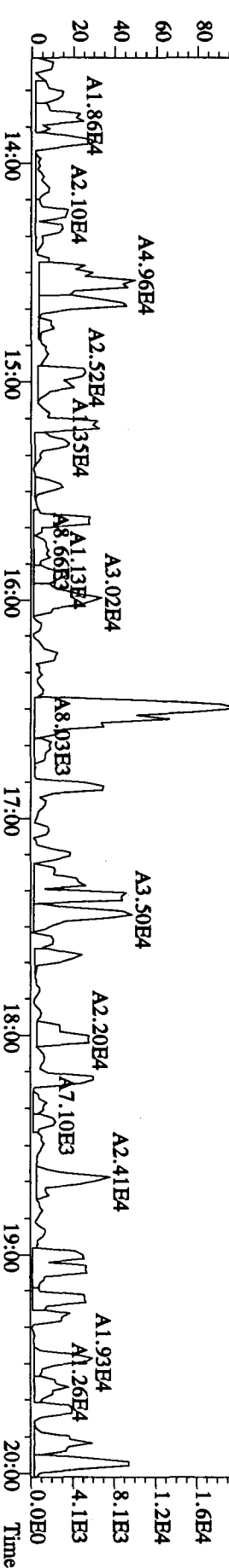
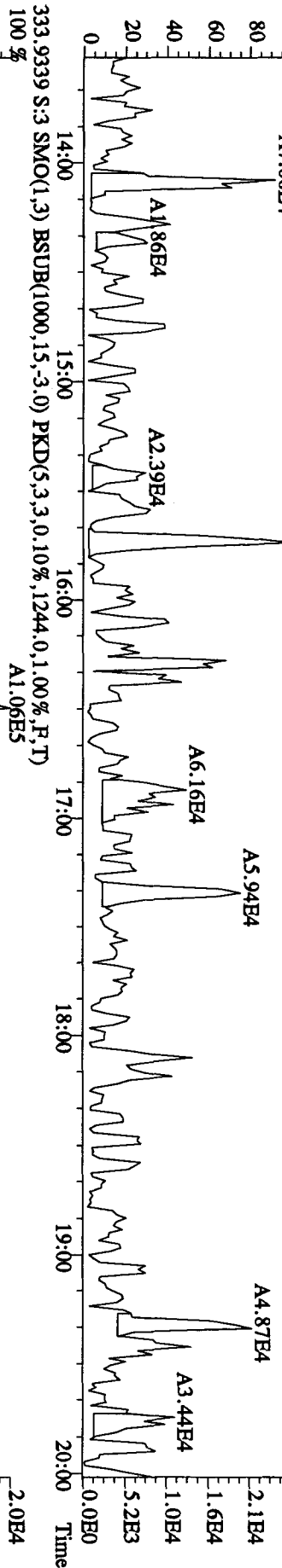
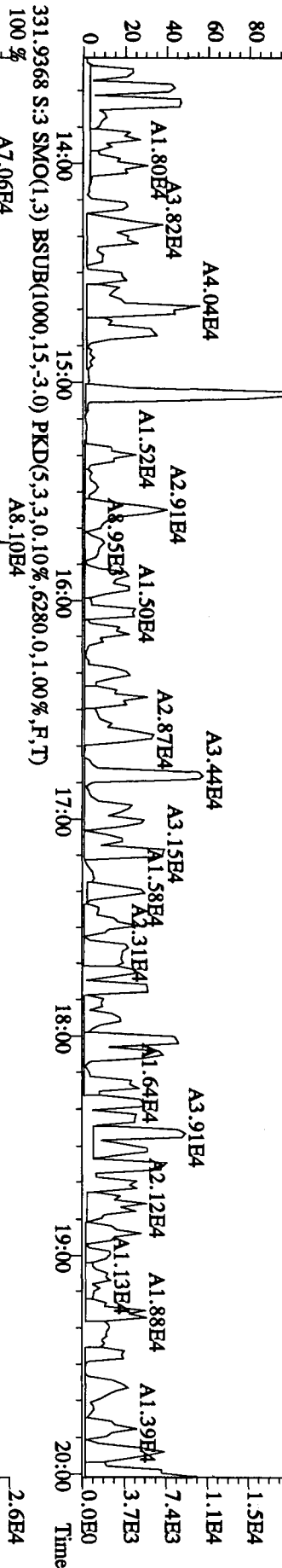
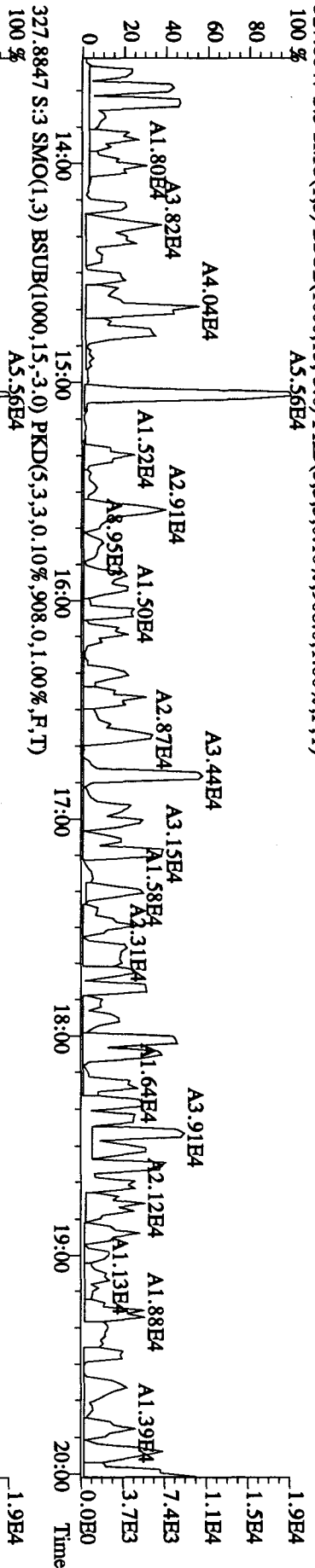


File: 29AP101D5 #1-385 Acq: 29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE

Sample#3 Text: SB0429 : Solvent Blank C-14 Exp: DIOXINRES

327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,908.0,1.00%,F,T)

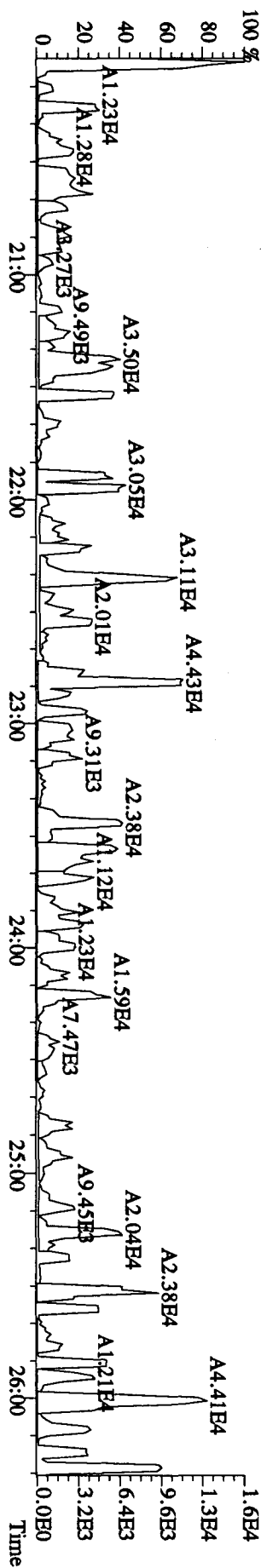
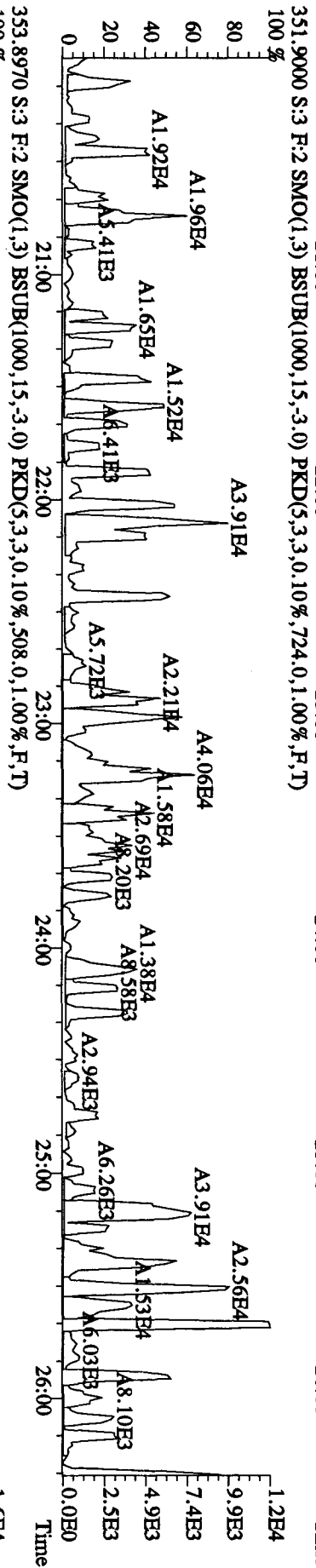
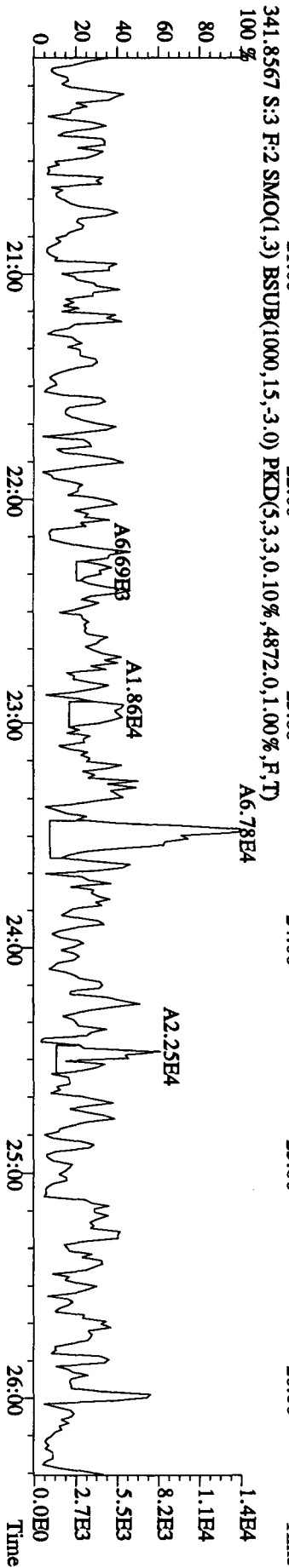
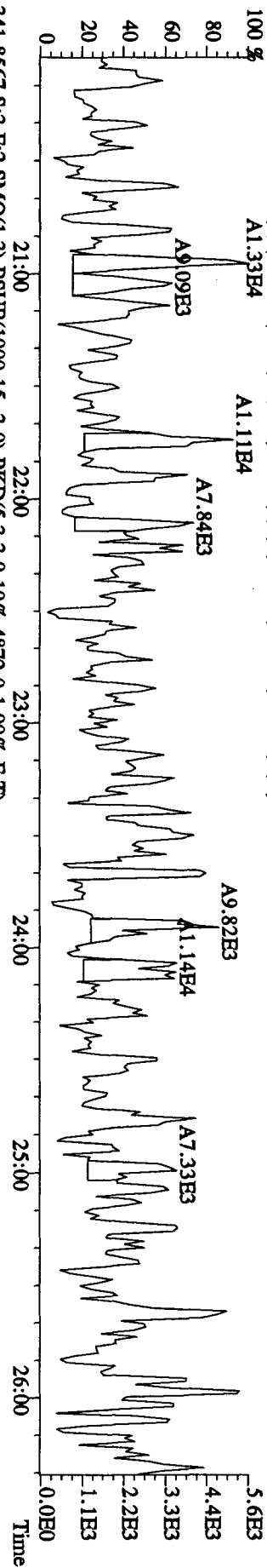
100% A5.56E4



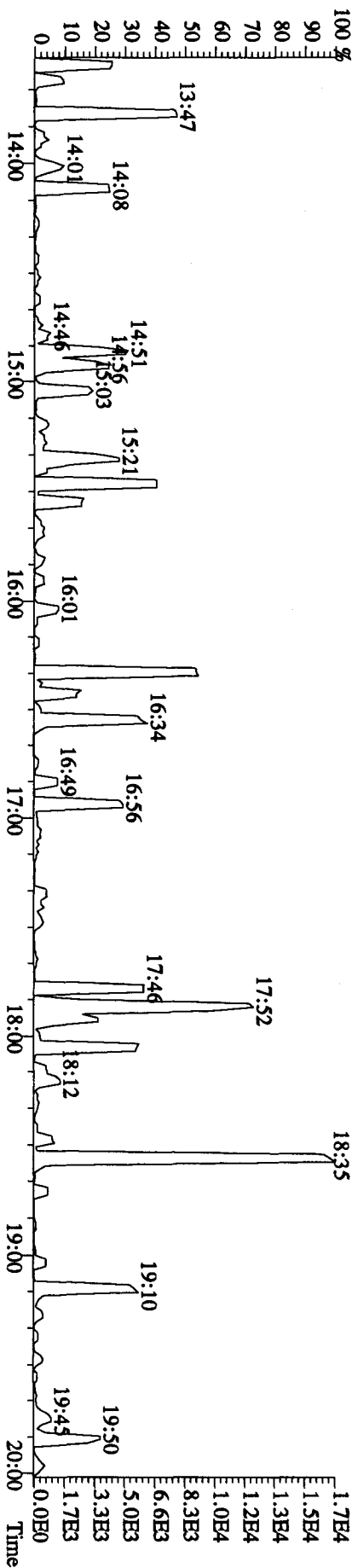
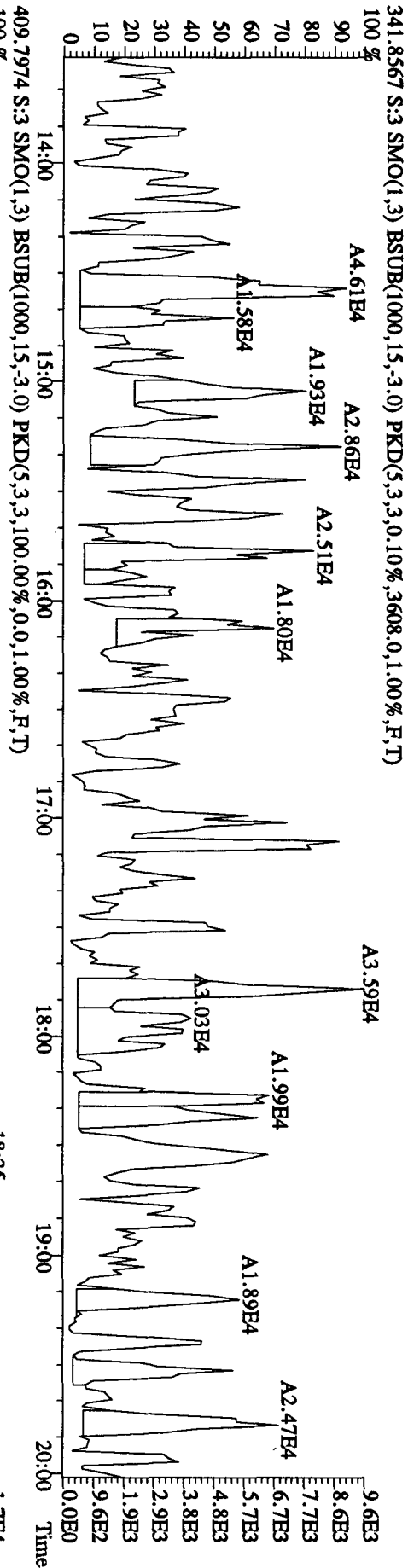
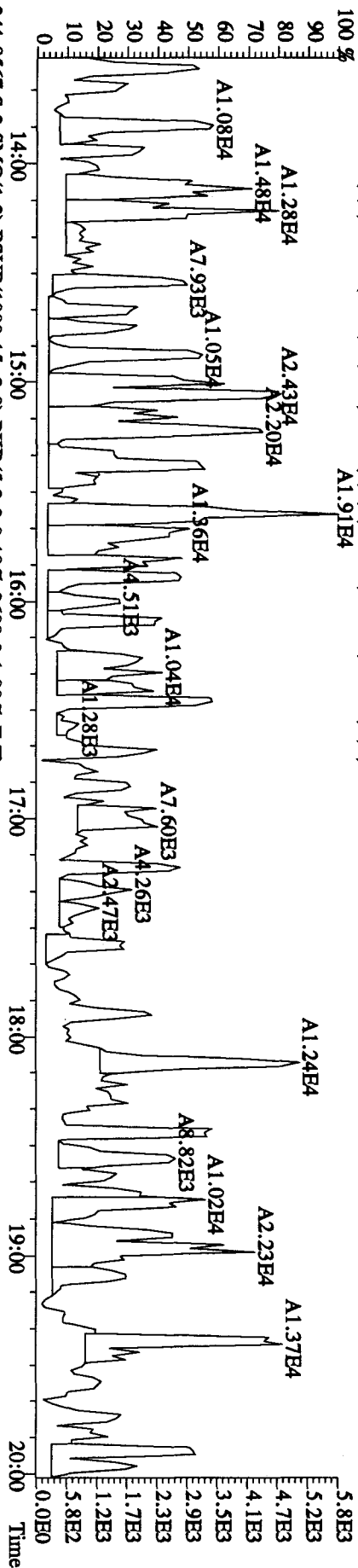
File: 29AP101D5 #1-444 Acq: 29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE

Sample#3 Text: SB0429 :Solvent Blank C-14 Exp: DIOXINRES

339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2632,0,1,00%,F,T)



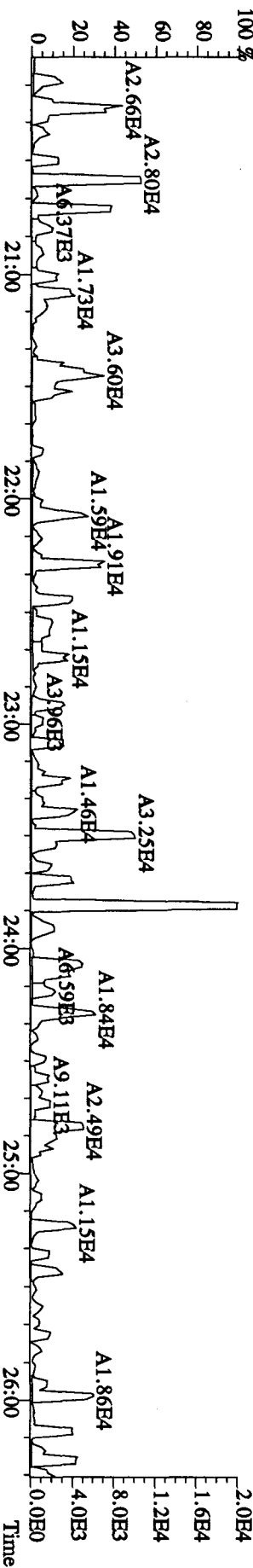
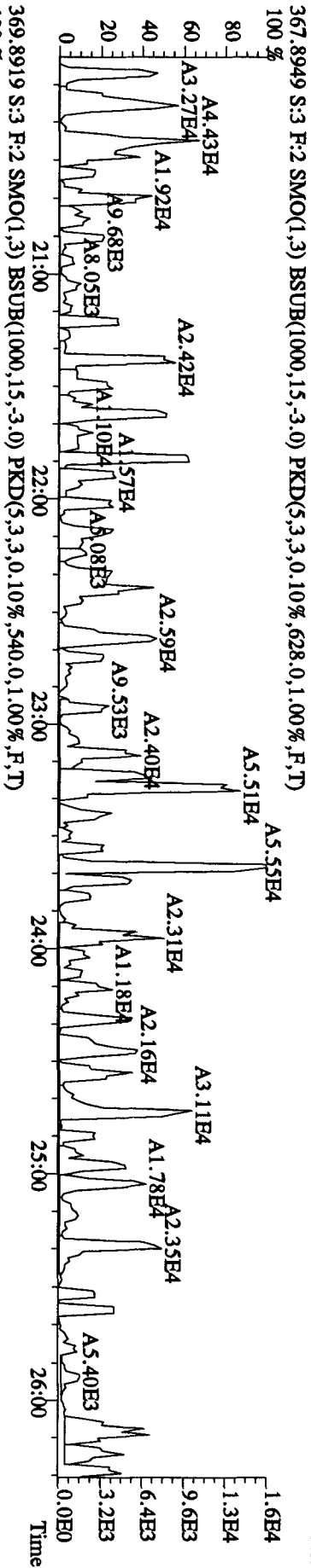
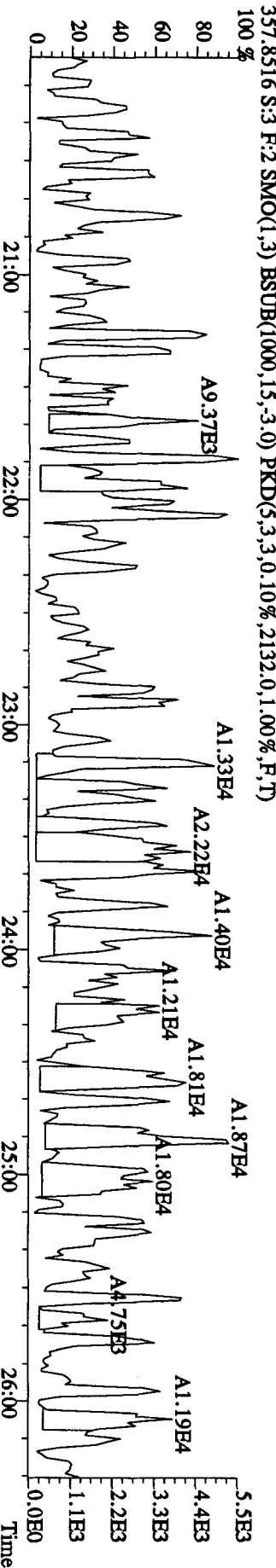
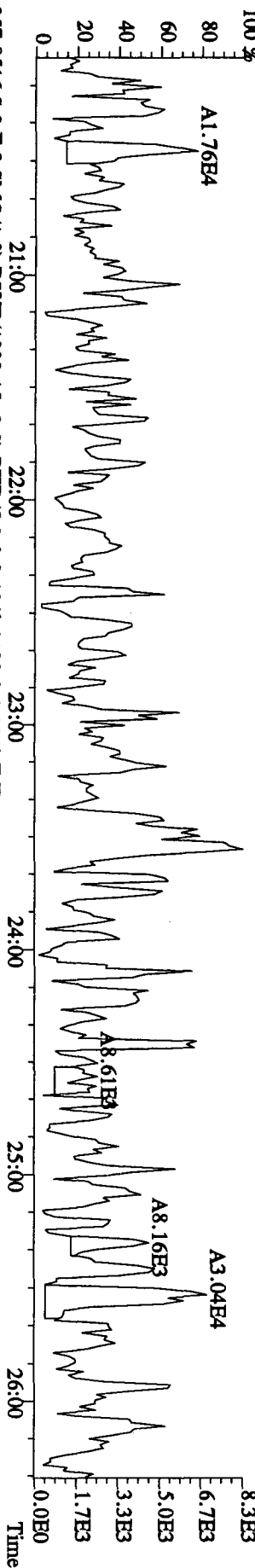
File: 29AP101D5 #1-385 Acq: 29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text: SB0429 :Solvent Blank C-14 Exp: DIOXINRES
 339.8597 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.1132,0.1,0.00%,F,T)
 100% A1.91E4



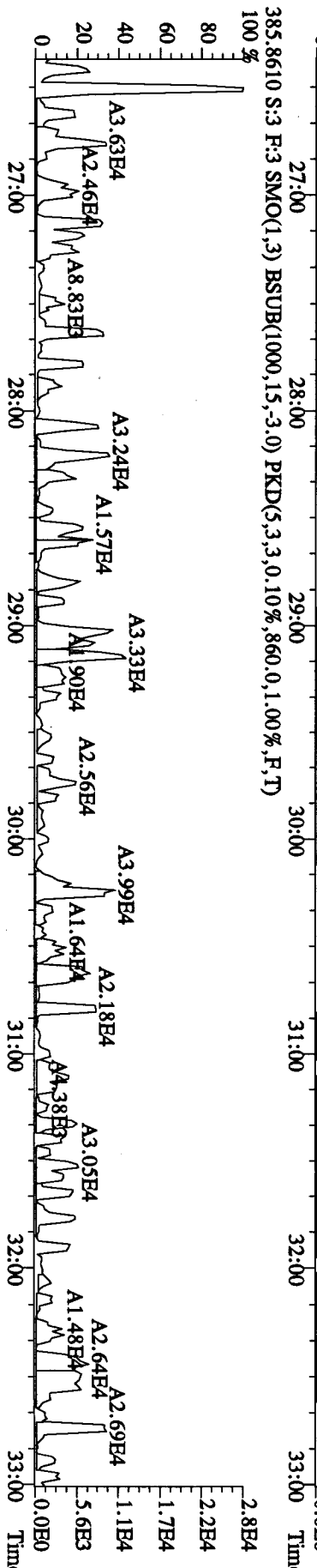
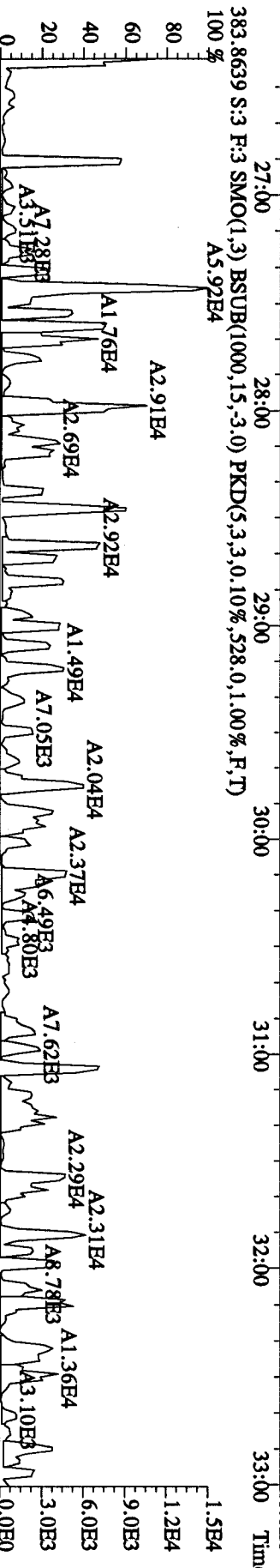
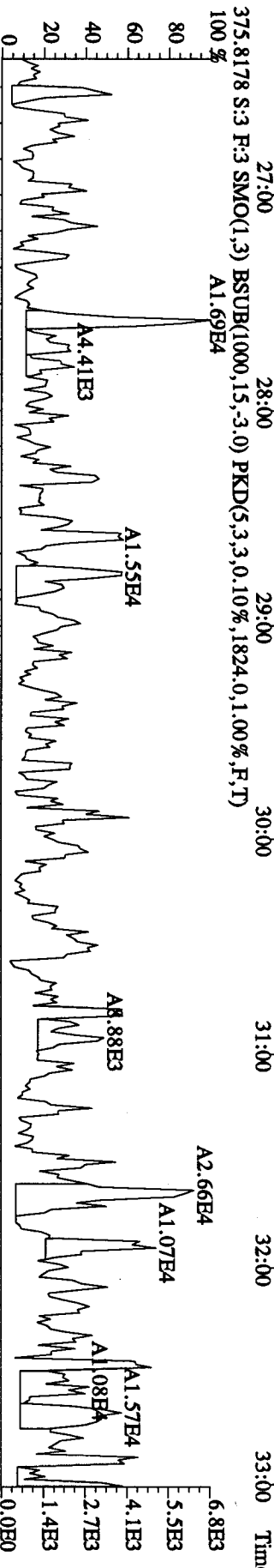
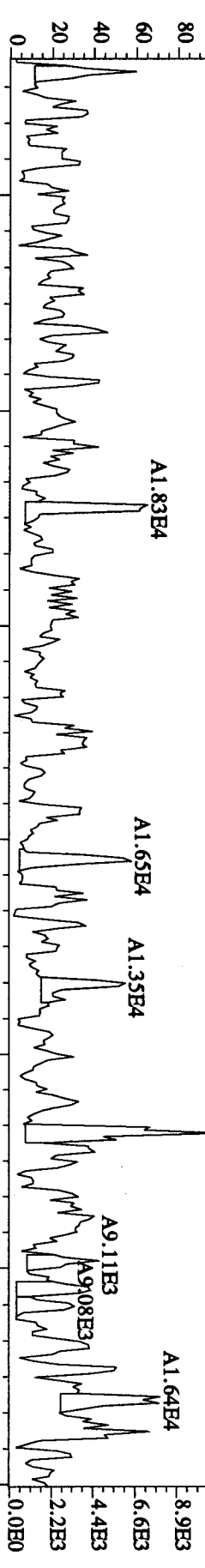
File: 29AP1010D5 #1-444 Acq: 29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE

Sample#3 Text: SB0429 :Solvent Blank C-14 Exp: DIOXINRES

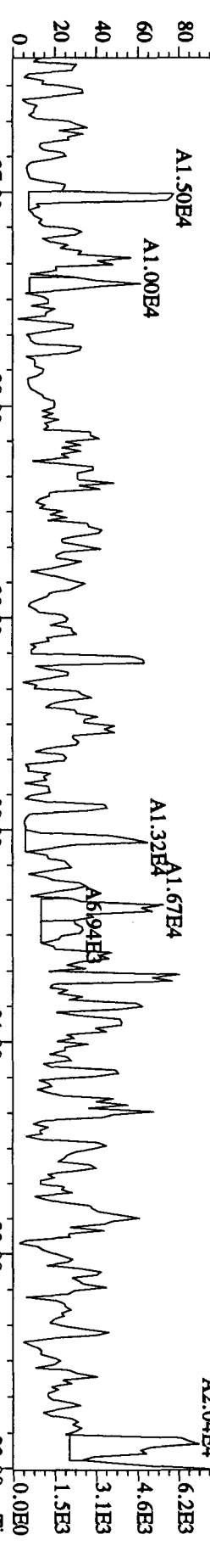
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3660,0,1,00%,F,T)



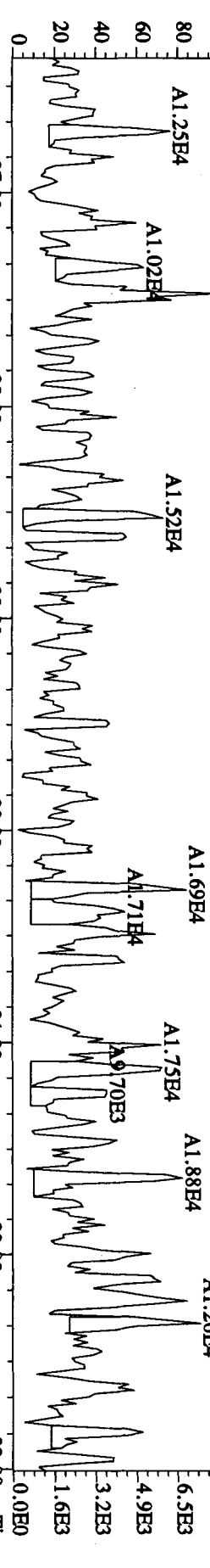
File:29AP101D5 #1-447 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2788,0,1.00%,F,T)



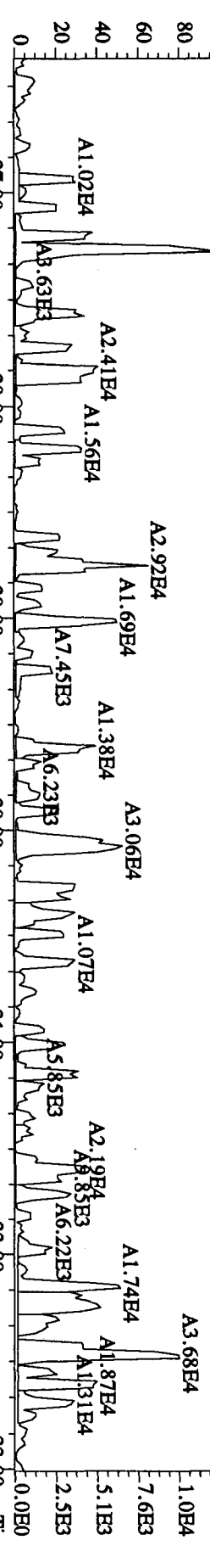
File:29AP101D5 #1-447 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2836,0,1.00%,F,T)
 100 %



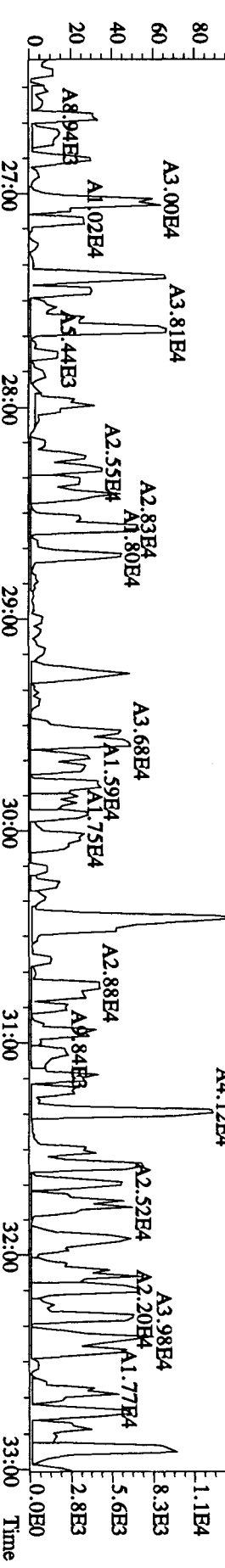
391.8127 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3264,0,1.00%,F,T)
 100 %



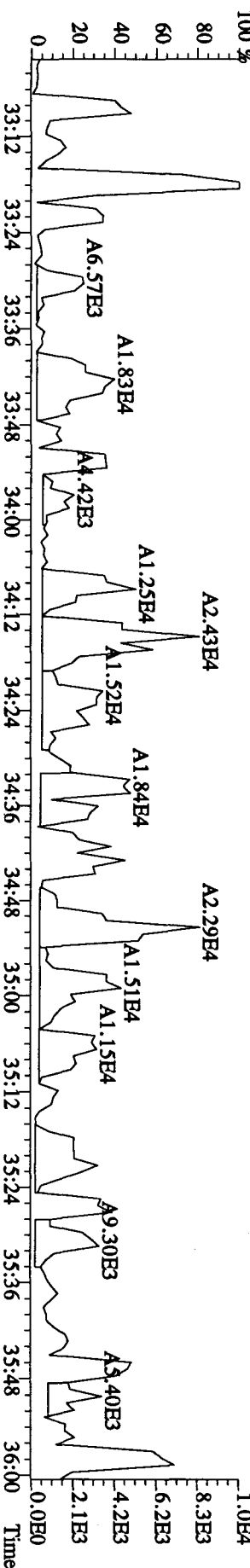
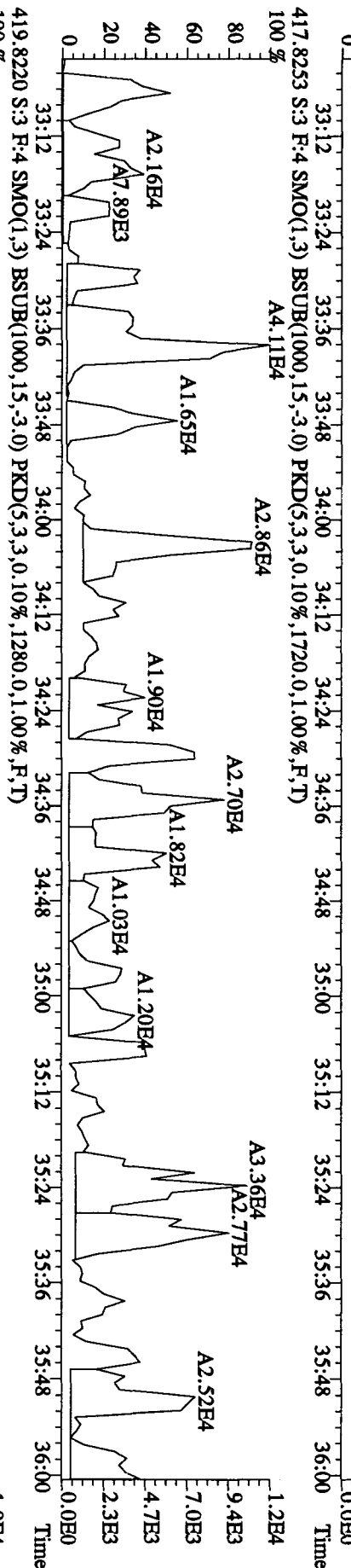
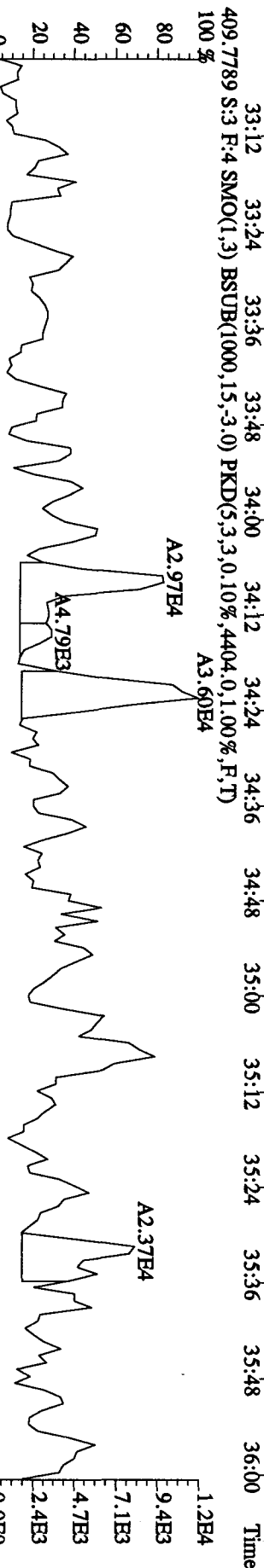
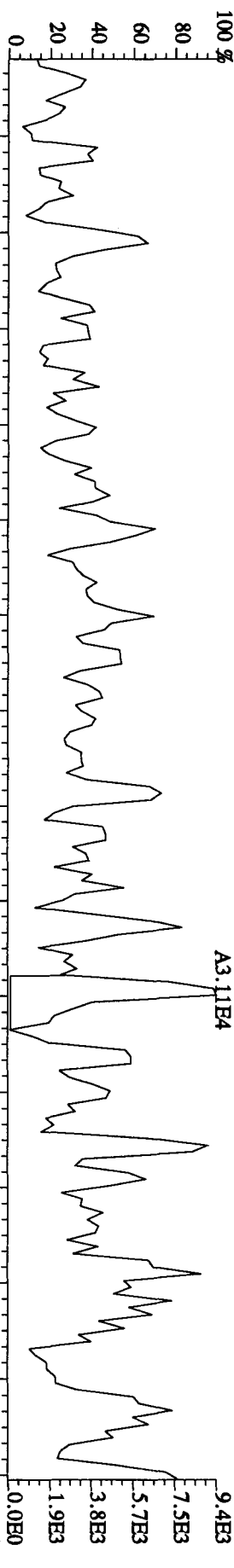
401.8559 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,492,0,1.00%,F,T)
 100 %



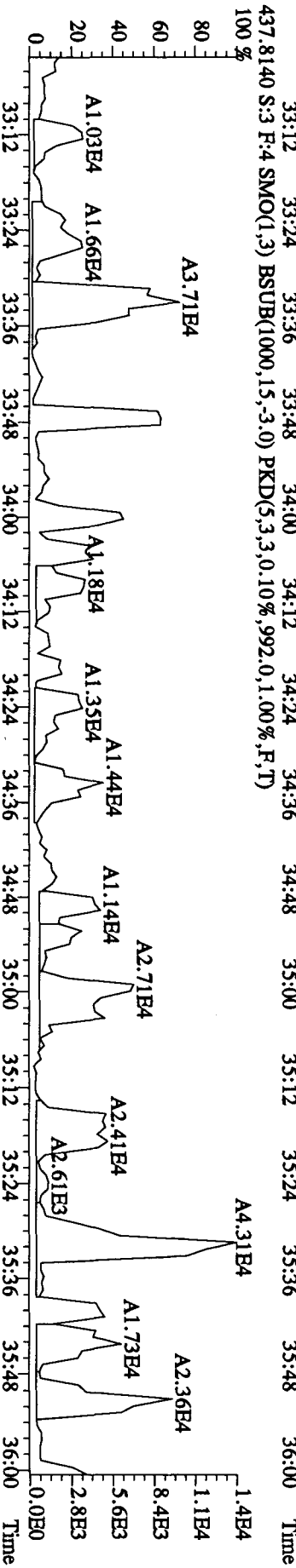
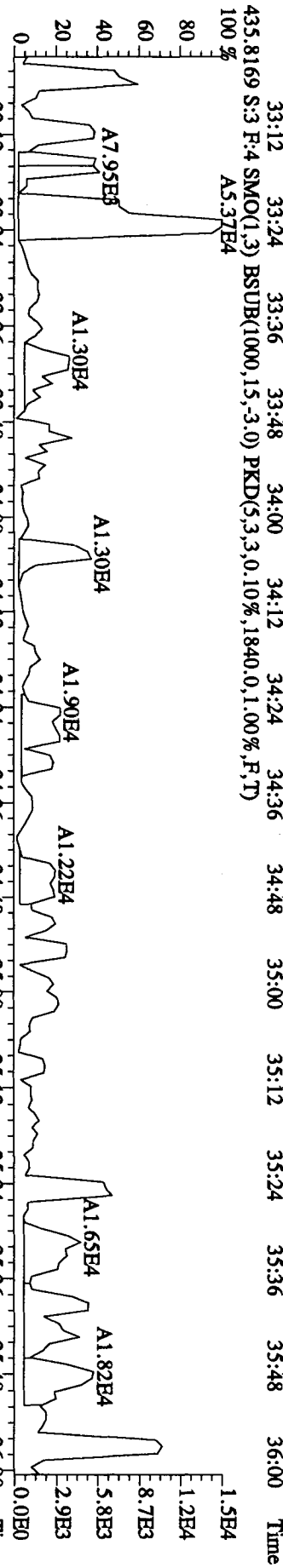
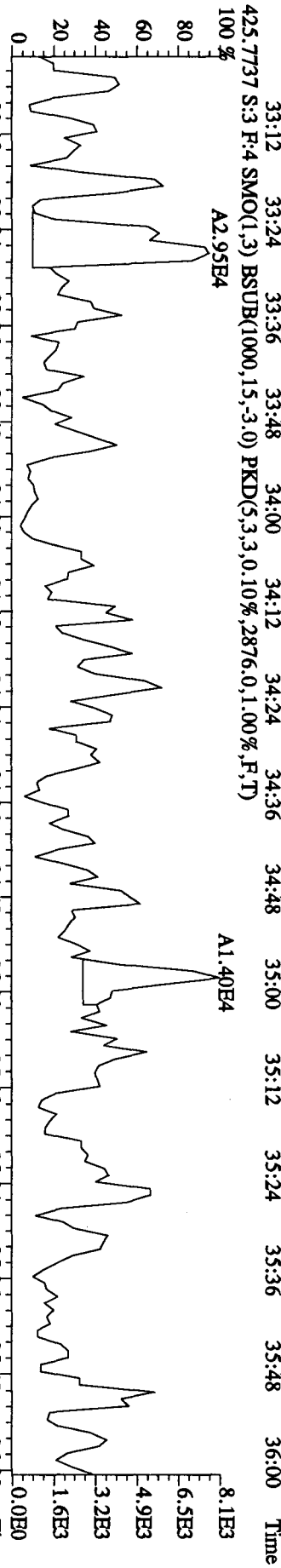
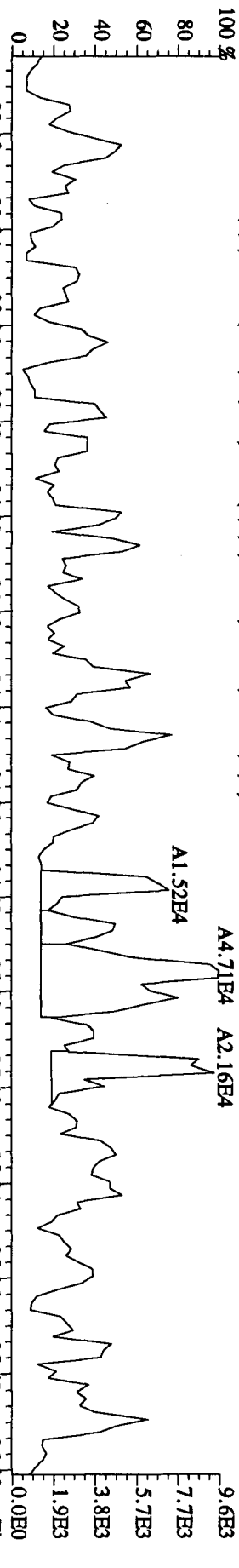
403.8529 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676,0,1.00%,F,T)
 100 %



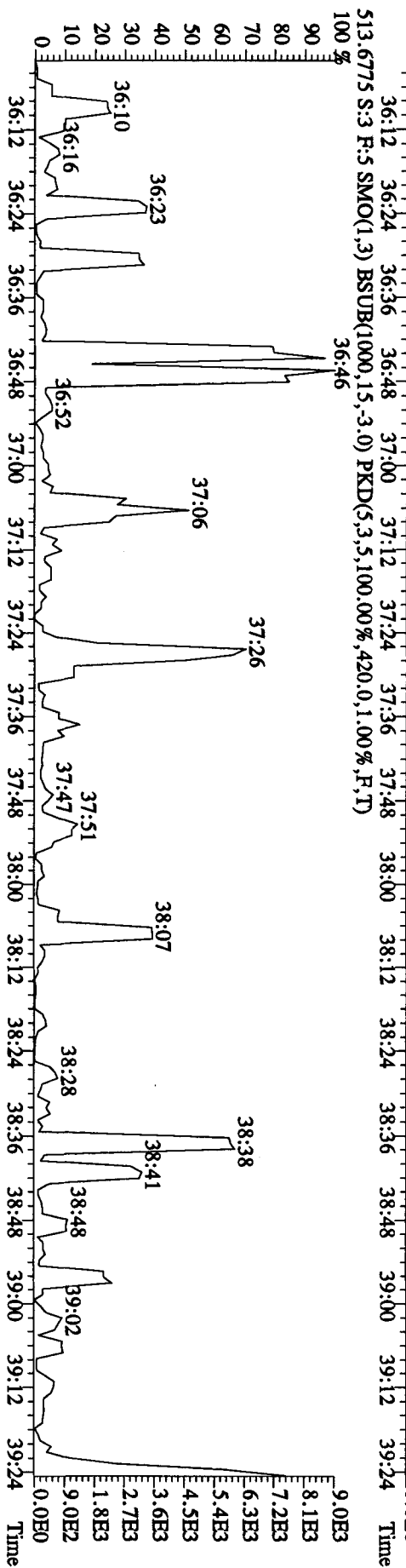
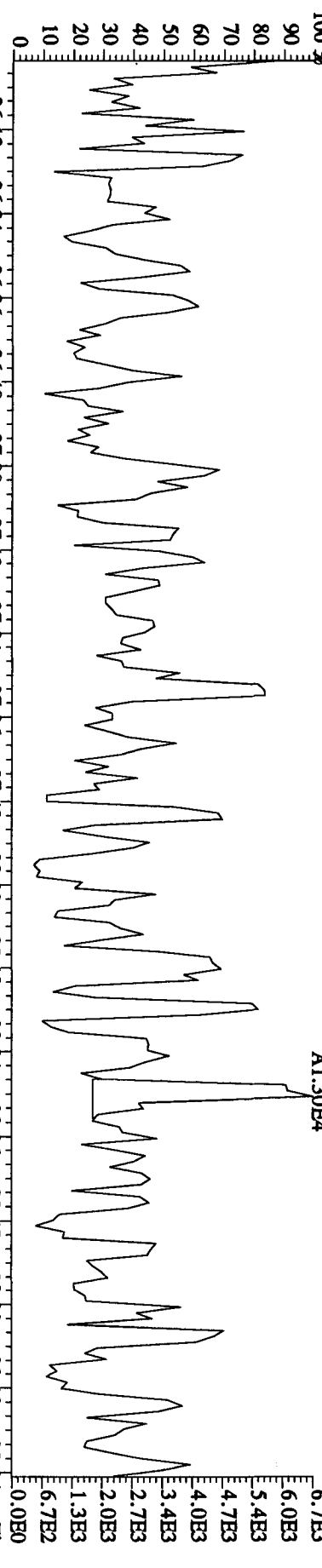
File:29AP101D5 #1-210 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4692.0,1.00%,F,T)



File: 29AP101D5 #1-210 Acq: 29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text: SB0429 : Solvent Blank C-14 Exp: DIOXINRES
 425.7737 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4180.0,1.00%,F,T)



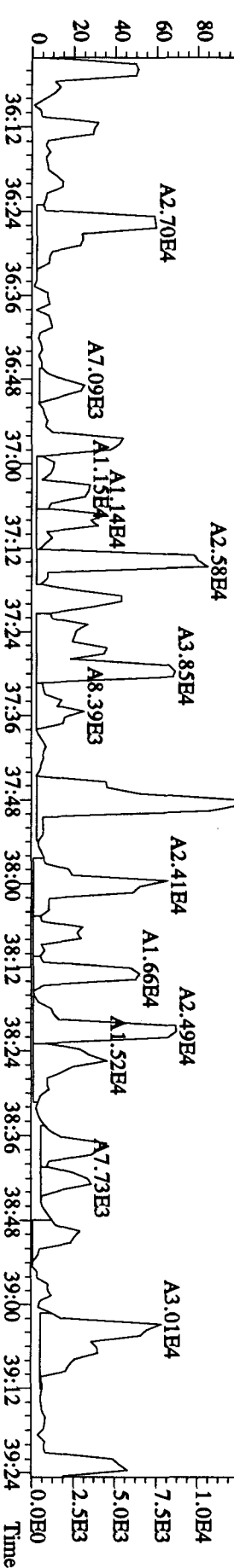
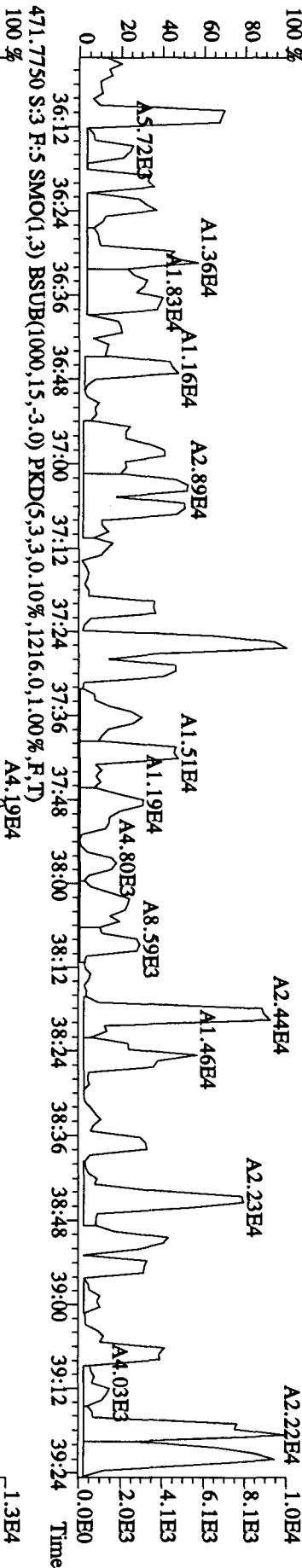
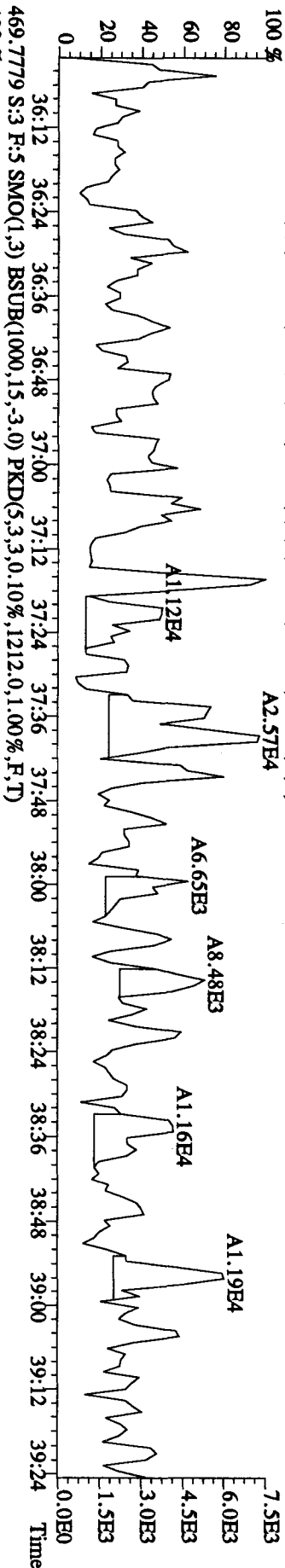
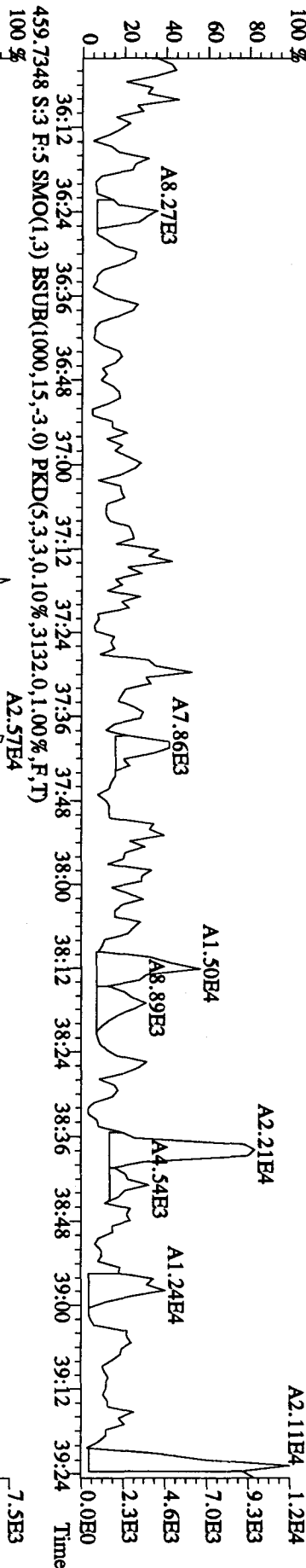
File:29AD101D5 #1-244 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 .Solvent Blank C-14 Exp:DIOXINRES
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3216.0,1.00%,F,T)



File:29AP101D5 #1-244 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES

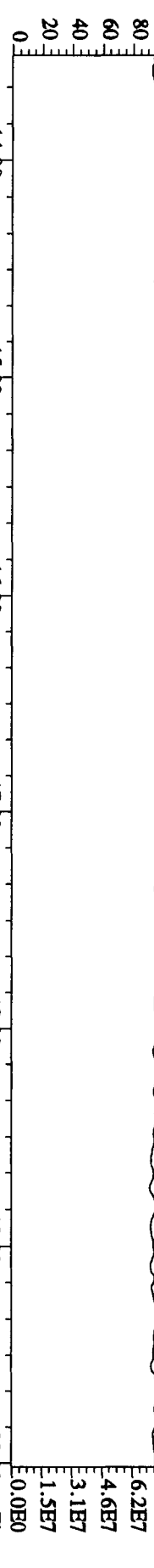
457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2796,0,1.00%,F,T)



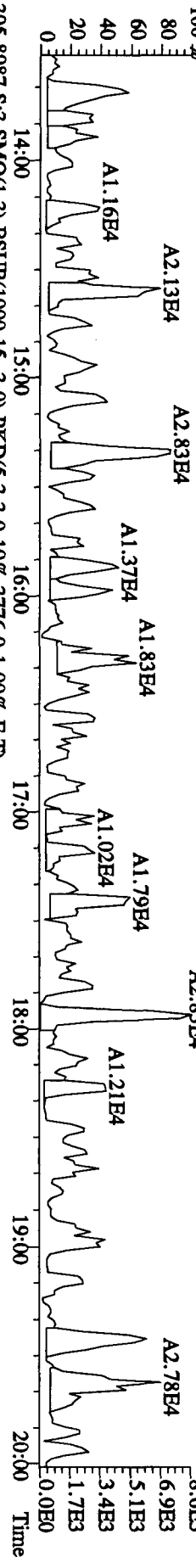
File:29AP101D5 #1-385 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES

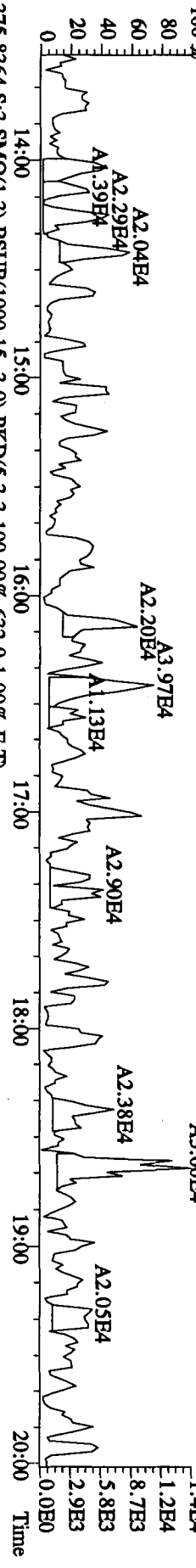
292.9825 S:3 SMO(1.3) PKD(5.3,5,100.00%,0.0,1.00%,F,T)



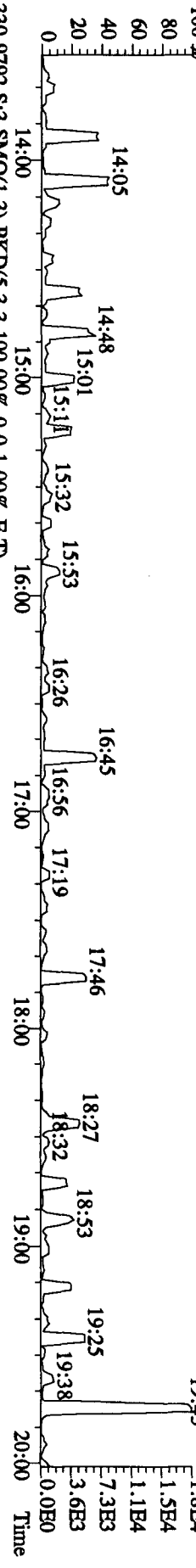
303.9016 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,2340,0,1.00%,F,T)



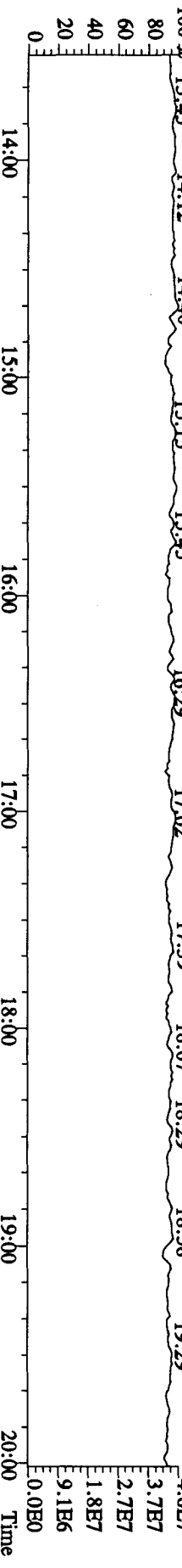
305.8987 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,3776,0,1.00%,F,T)



375.8364 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,632,0,1.00%,F,T)

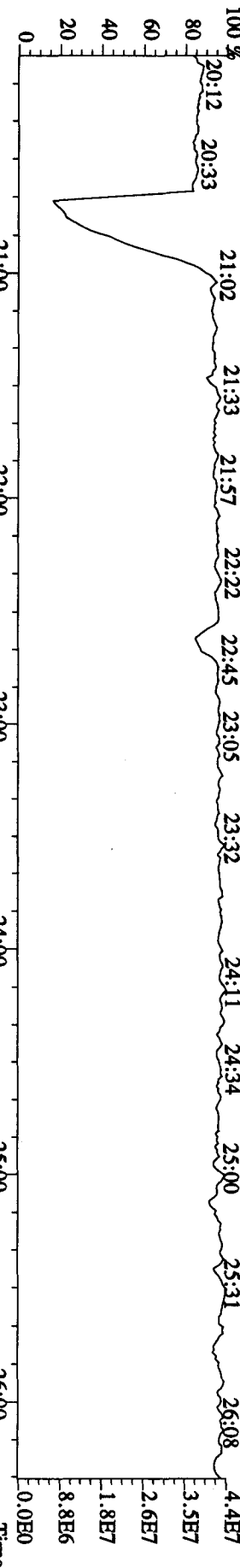


330.9792 S:3 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)

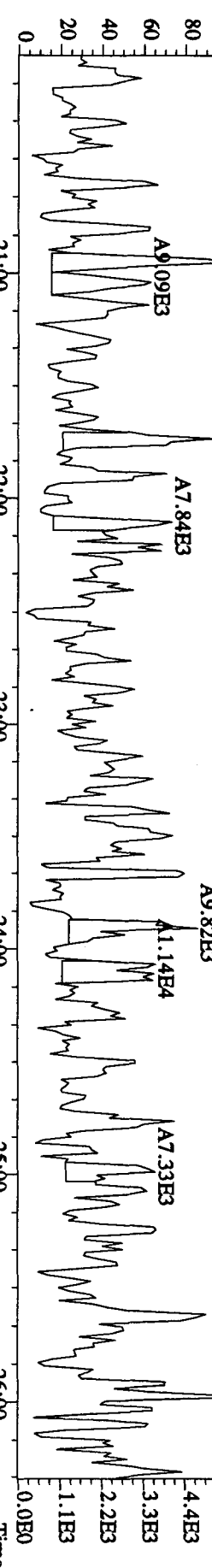


File:29AP101D5 #1-444 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES

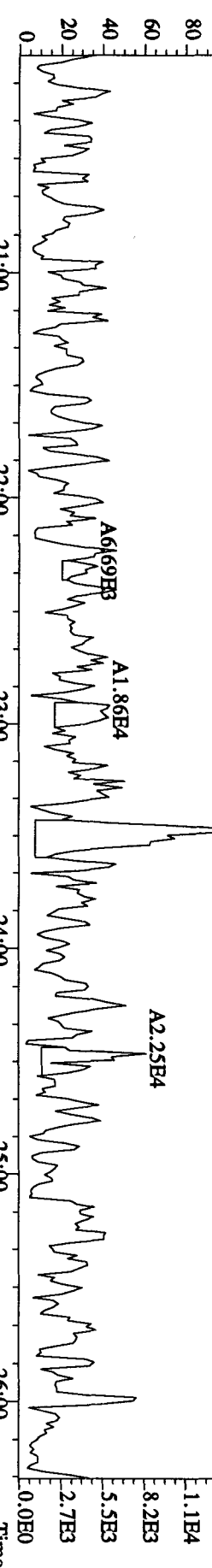
342.9792 S:3 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



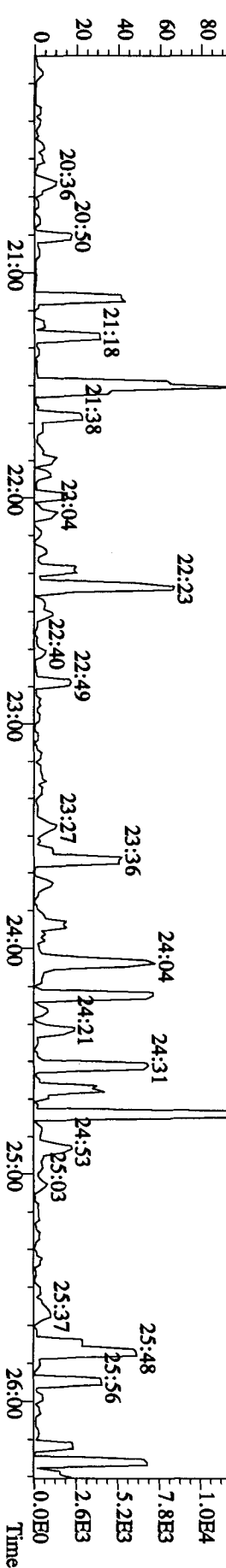
339.8597 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,2632.0,1.00%,F,T)



341.8567 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,4872.0,1.00%,F,T)



409.7974 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,308.0,1.00%,F,T)

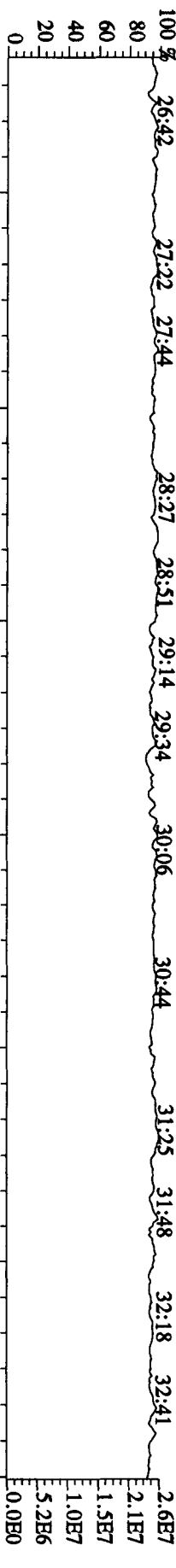


File:29AP101D5 #1-447 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE

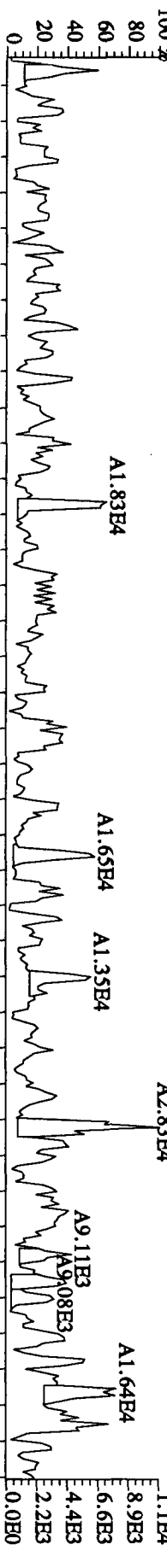
Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES

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

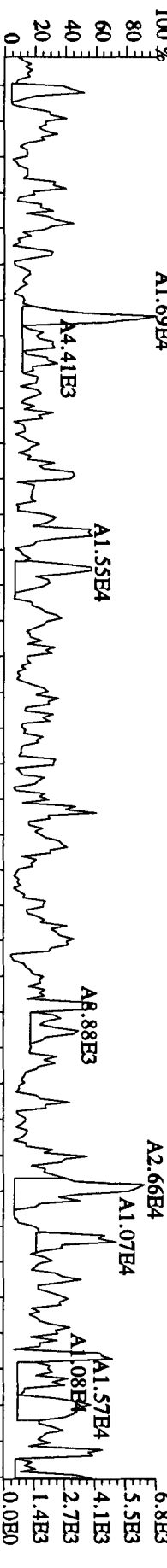
26:42 27:22 27:44 28:27 28:51 29:14 29:34 30:06 30:44 31:25 31:48 32:18 32:41



373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2788,0,1.00%,F,T)



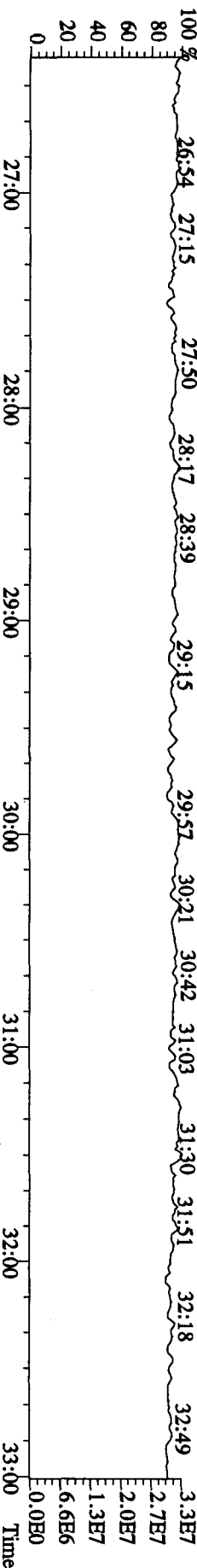
375.8178 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1824,0,1.00%,F,T)



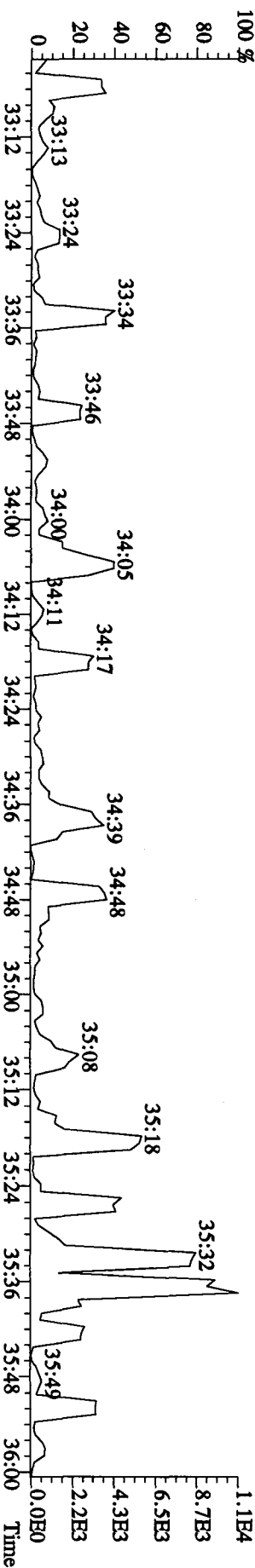
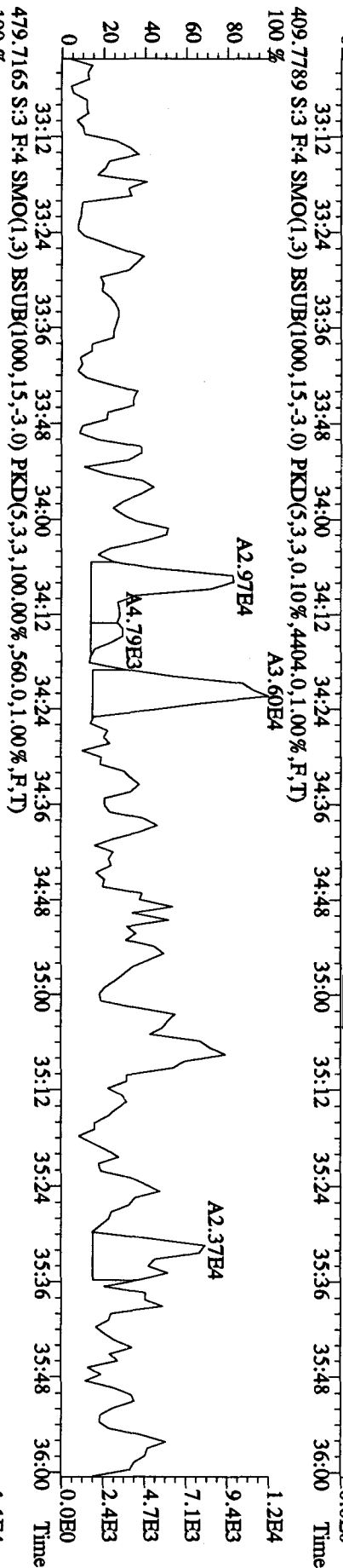
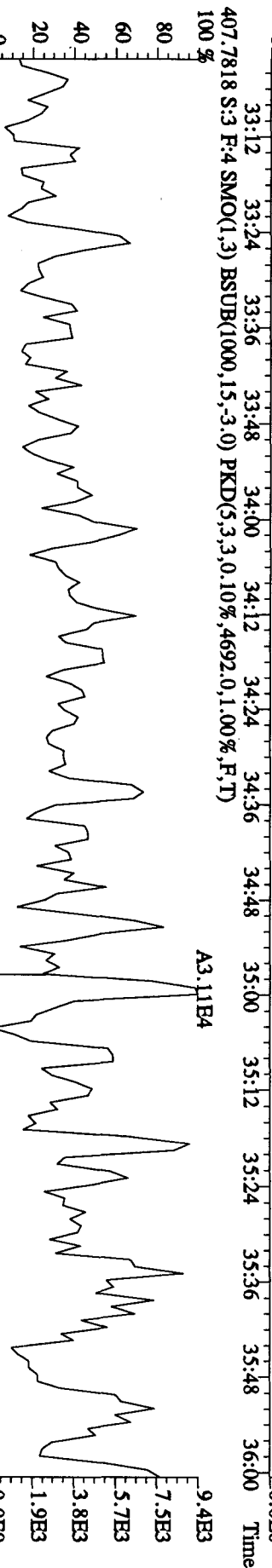
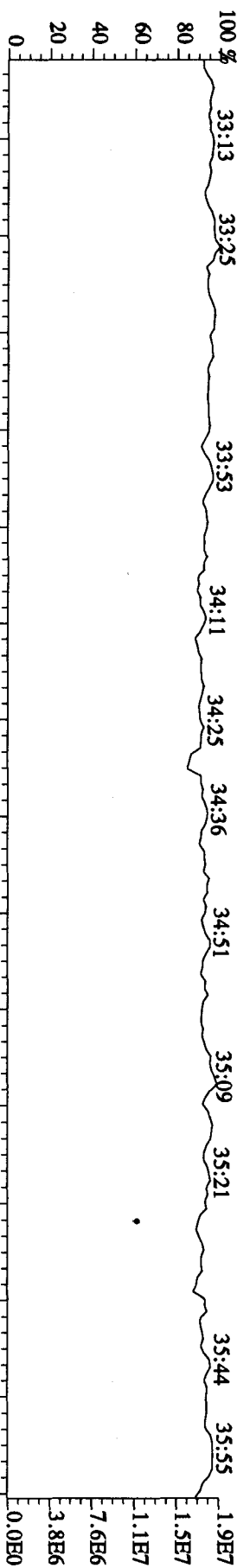
445.7555 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,320,0,1.00%,F,T)



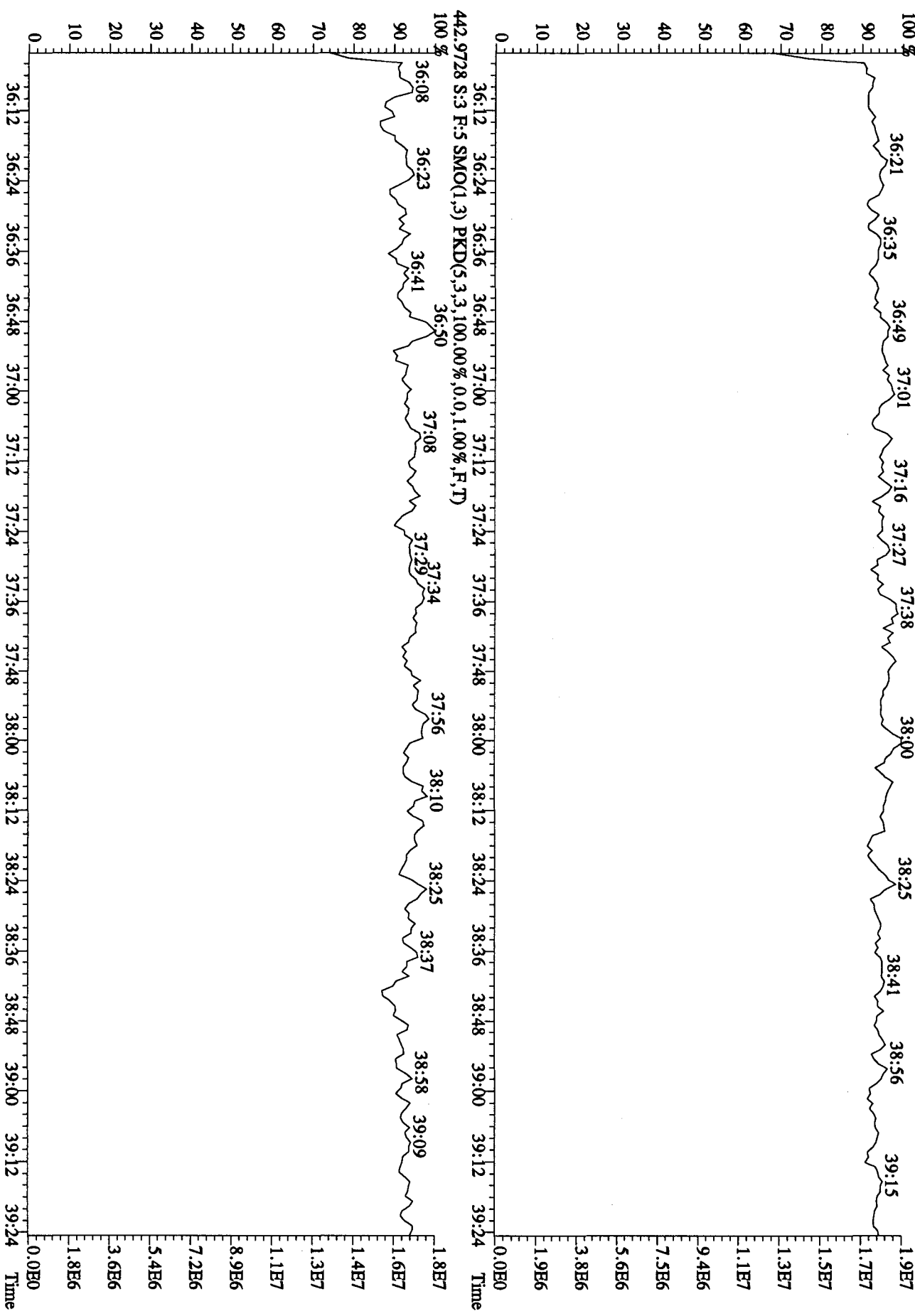
380.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0,0,1.00%,F,T)



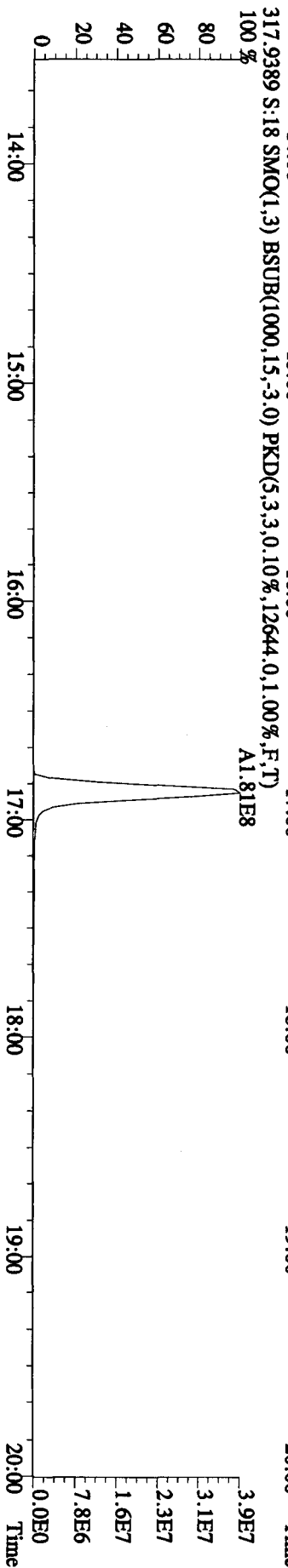
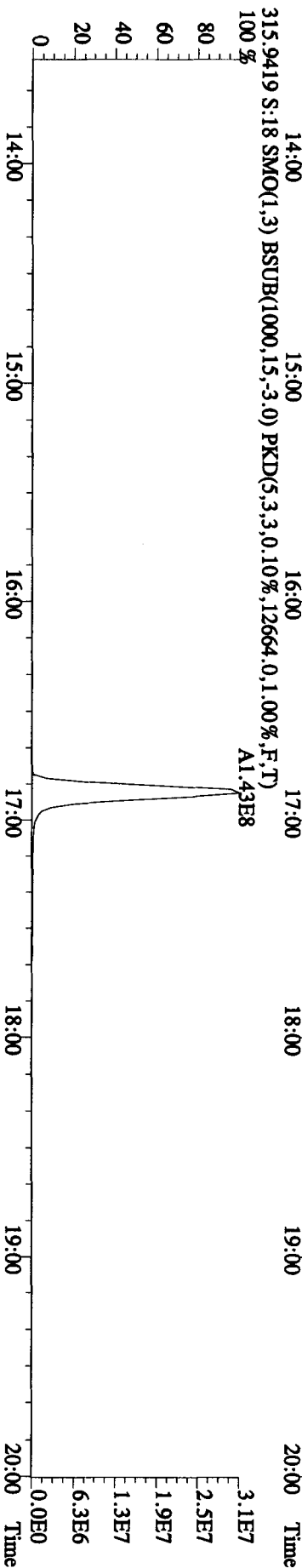
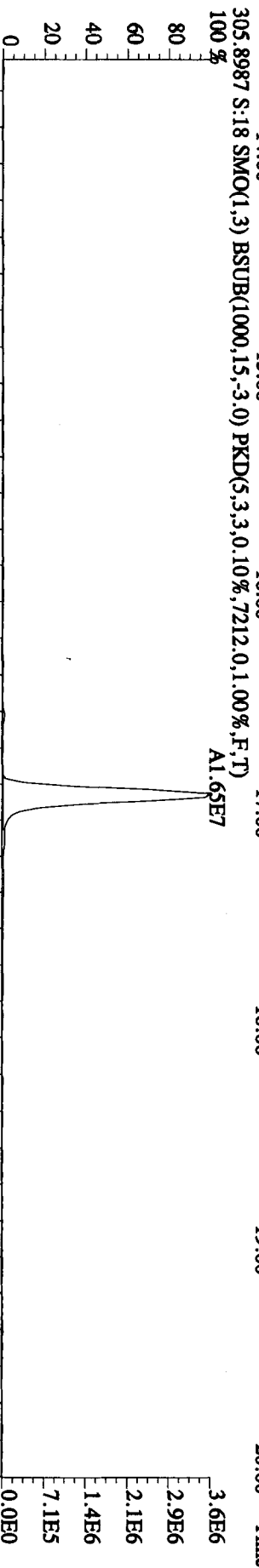
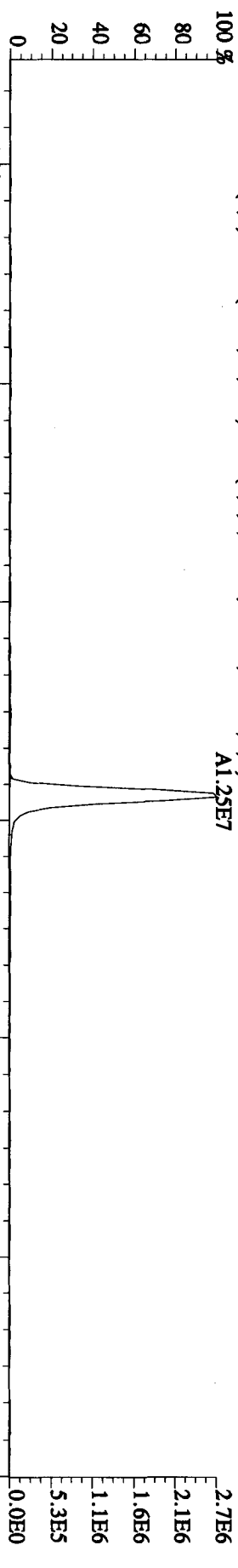
File:29AP101D5 #1-210 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
 430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



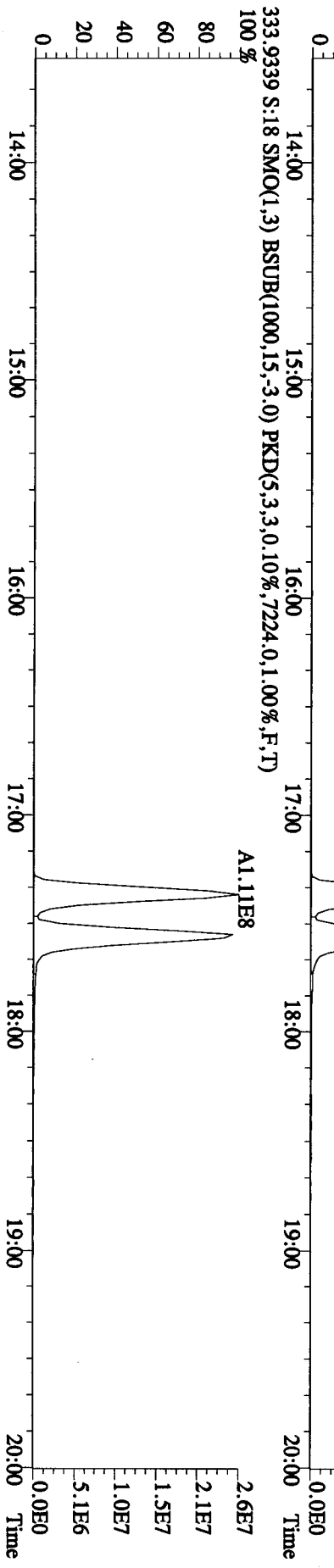
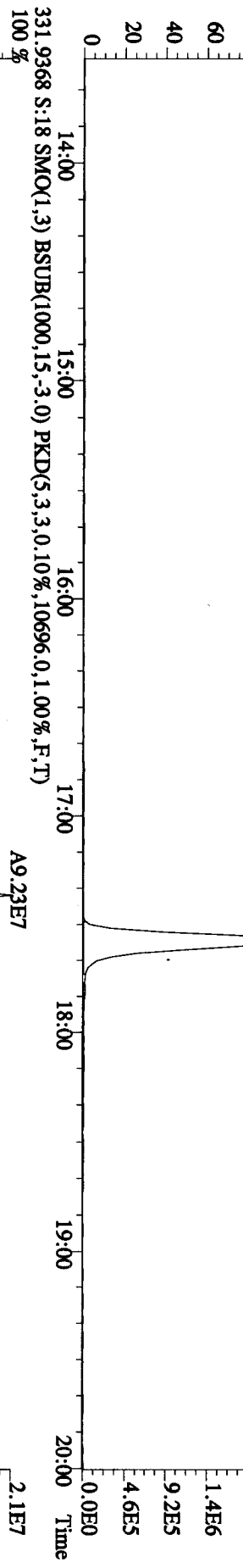
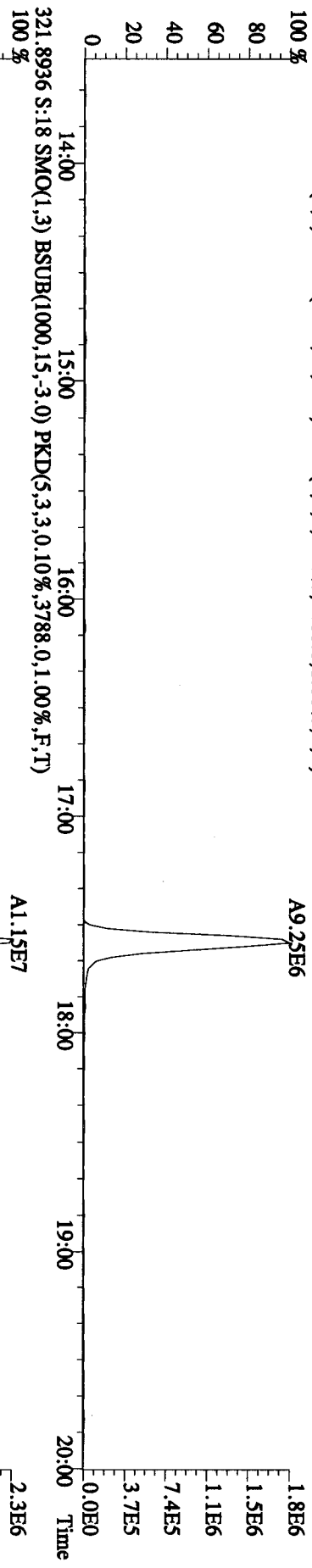
File:29AP101D5 #1-244 Acq:29-APR-2010 11:03:56 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0429 :Solvent Blank C-14 Exp:DIOXINRES
 454.9728 S:3 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



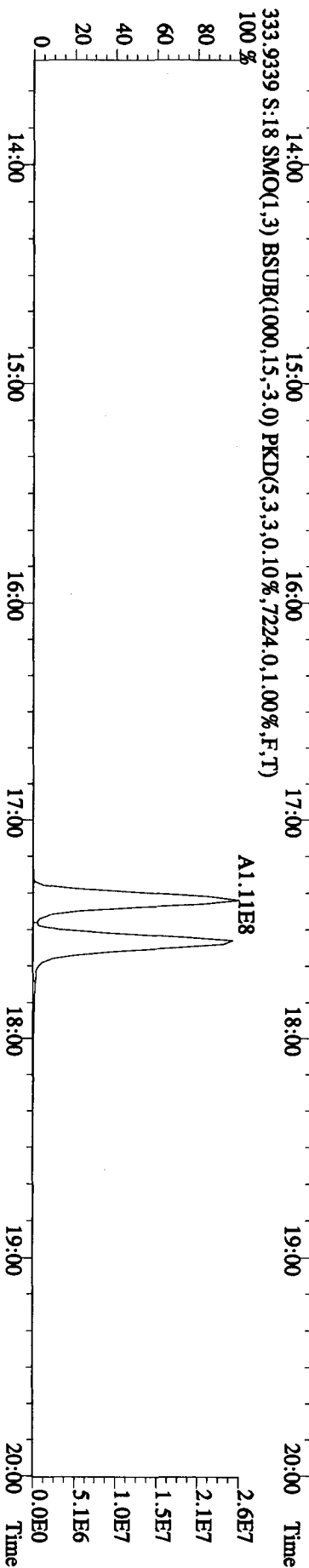
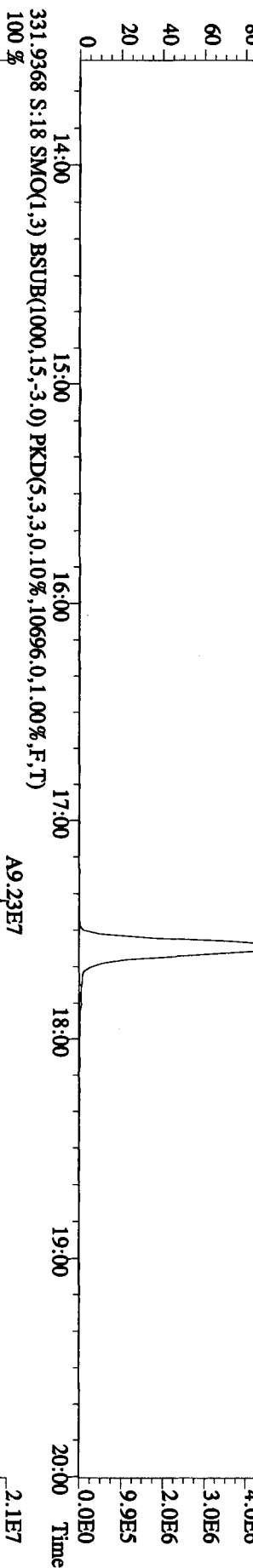
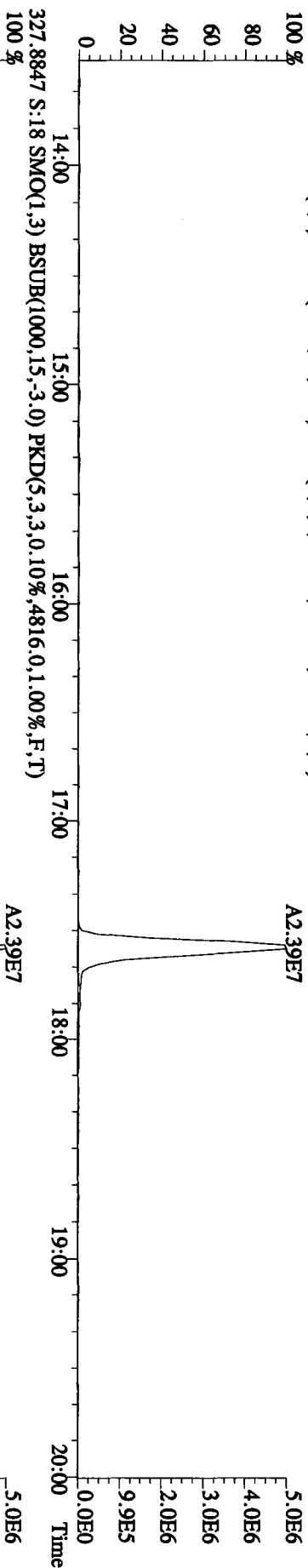
File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 303 9016 S:18 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5828,0,1,00%,F,T)
 100 %



File:29AP101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI + Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp.:DIOXINRES
 319.8965 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4460,0,1,00%,F,T)
 100%



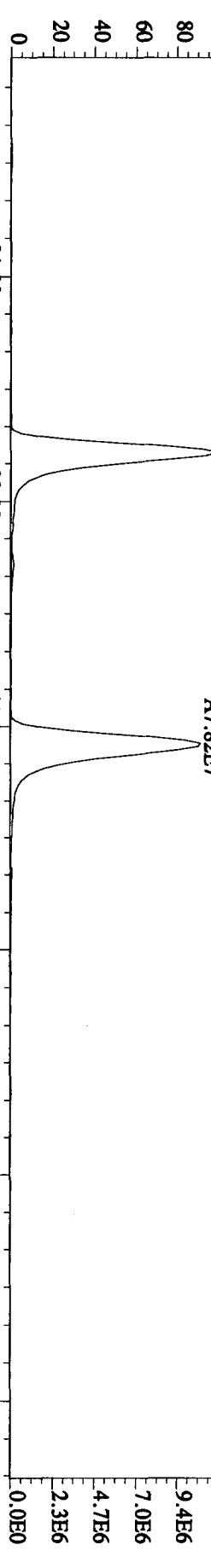
File:29API010IDS #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 327.8847 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4816,0,1,00%,F,T)
 100 %



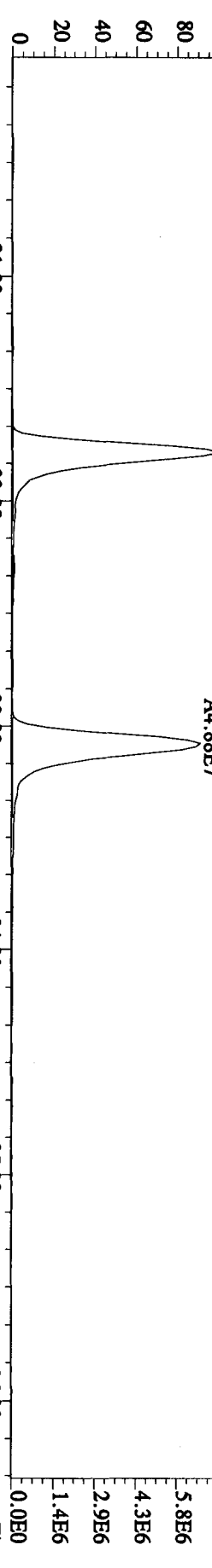
File:29AP101D5 #1-445 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE

Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES

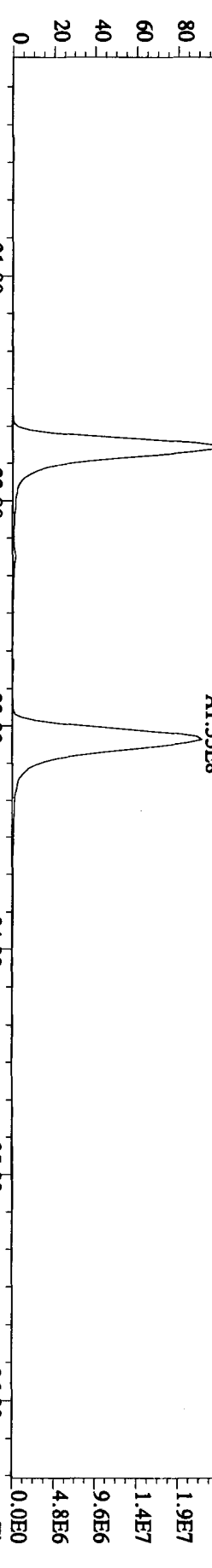
339.8597 S:18 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10656,0,1,00%,F,T)



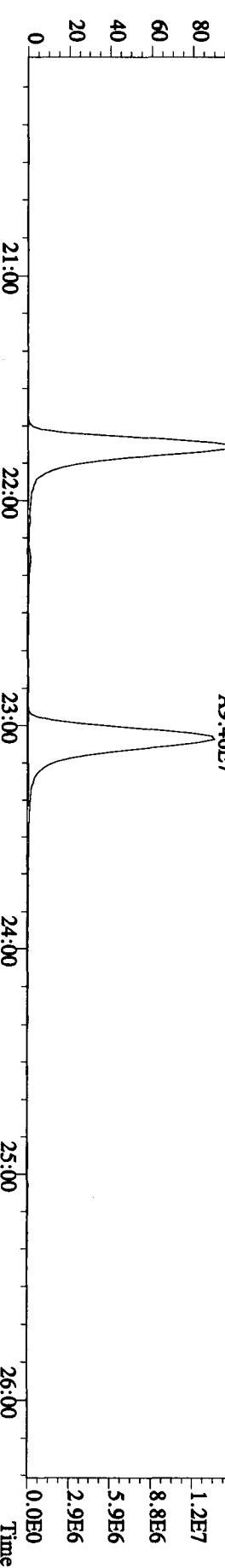
341.8567 S:18 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7920,0,1,00%,F,T)



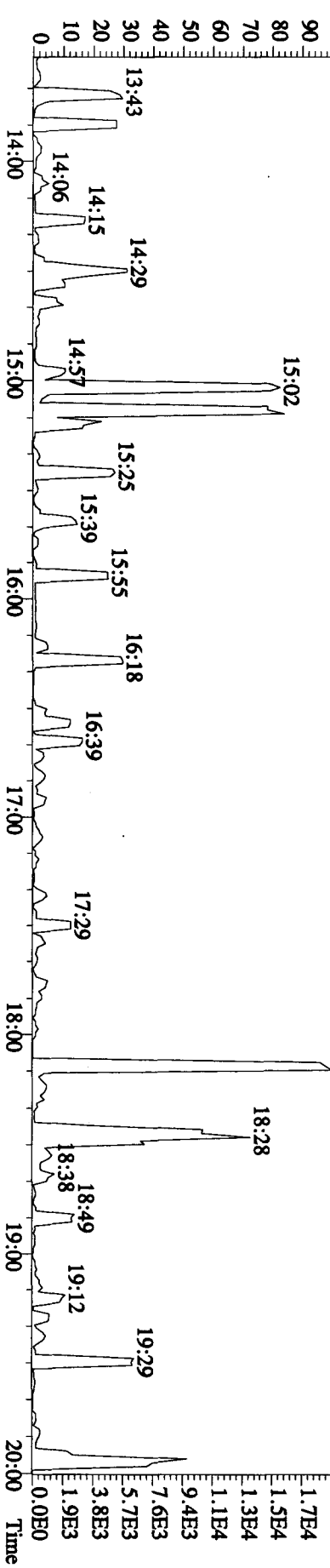
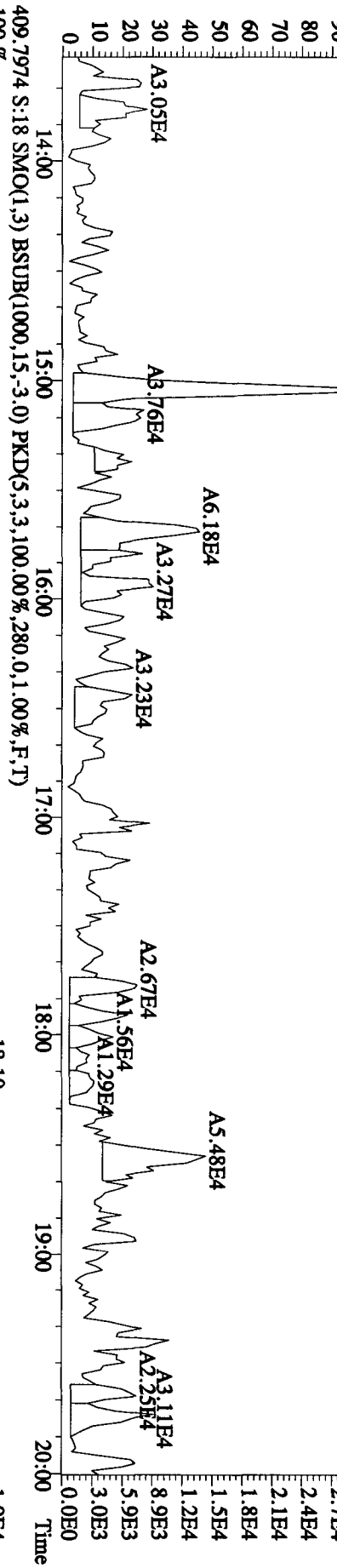
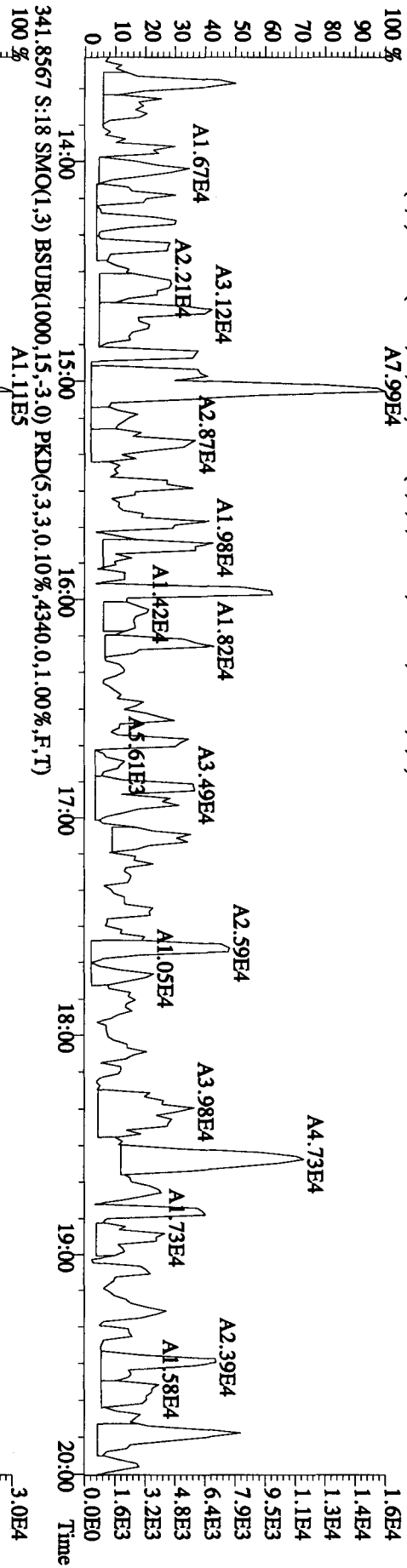
351.9000 S:18 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13424,0,1,00%,F,T)



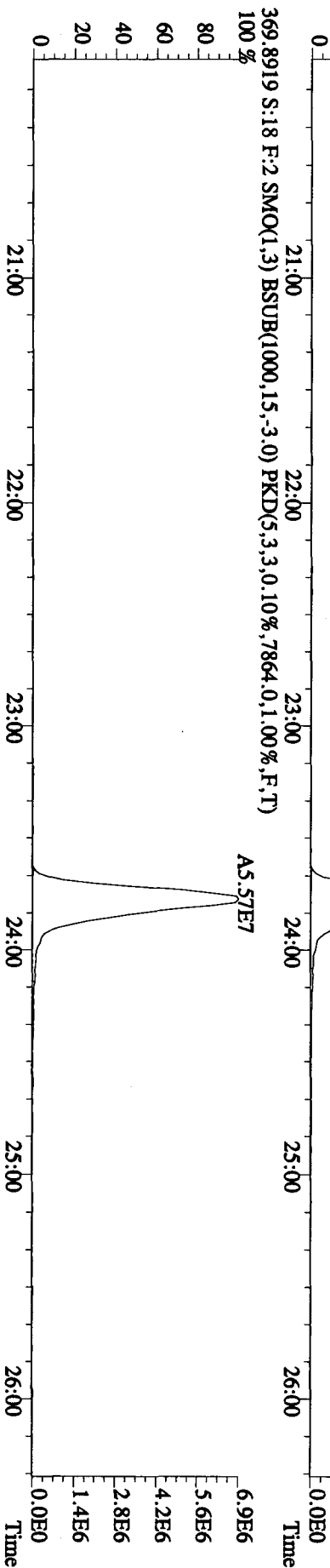
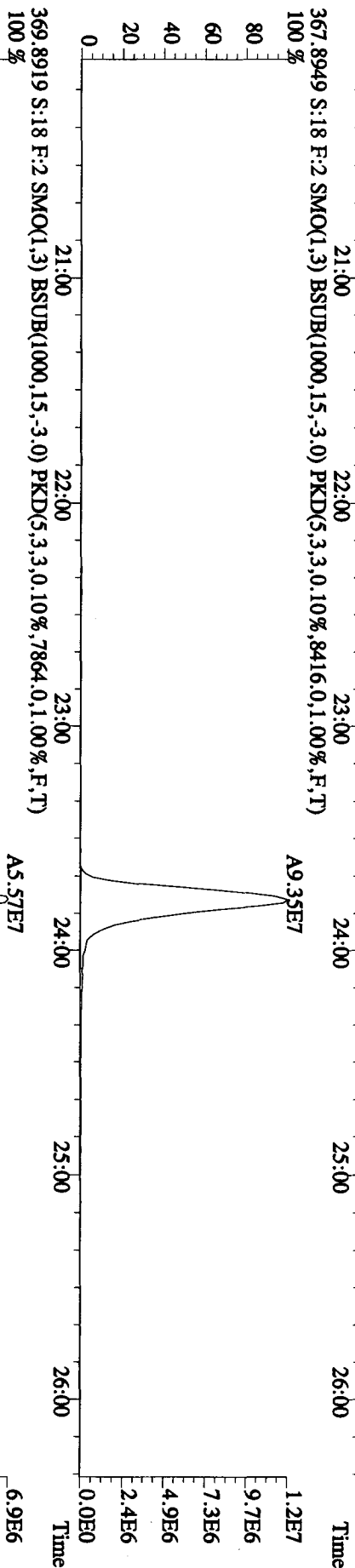
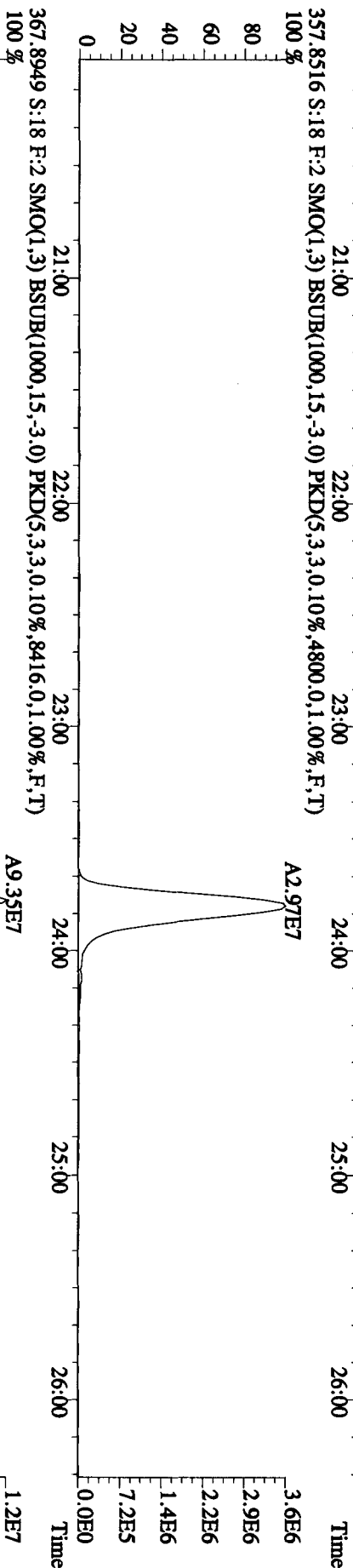
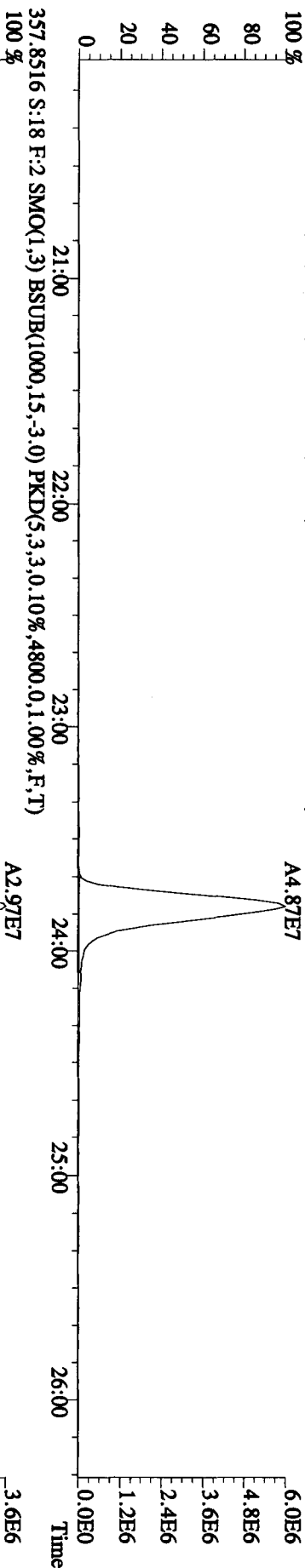
353.8970 S:18 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11476,0,1,00%,F,T)

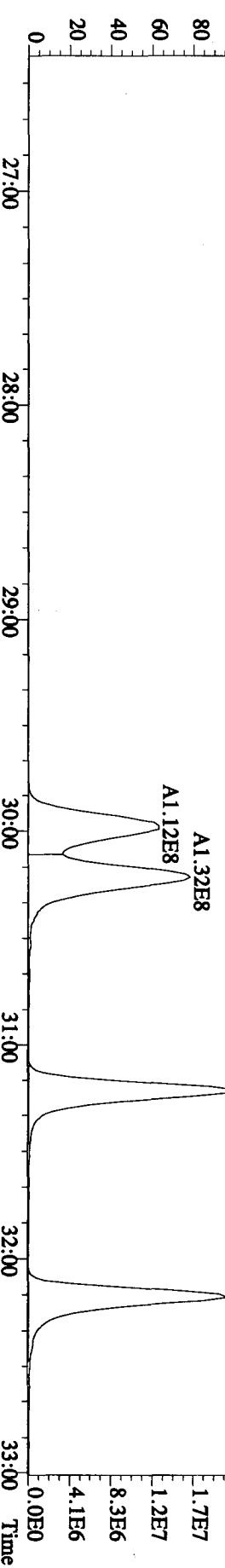
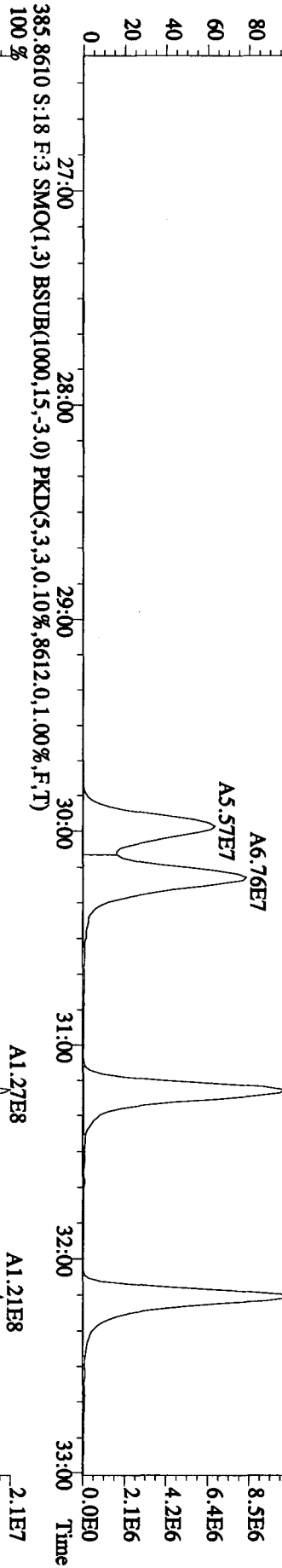
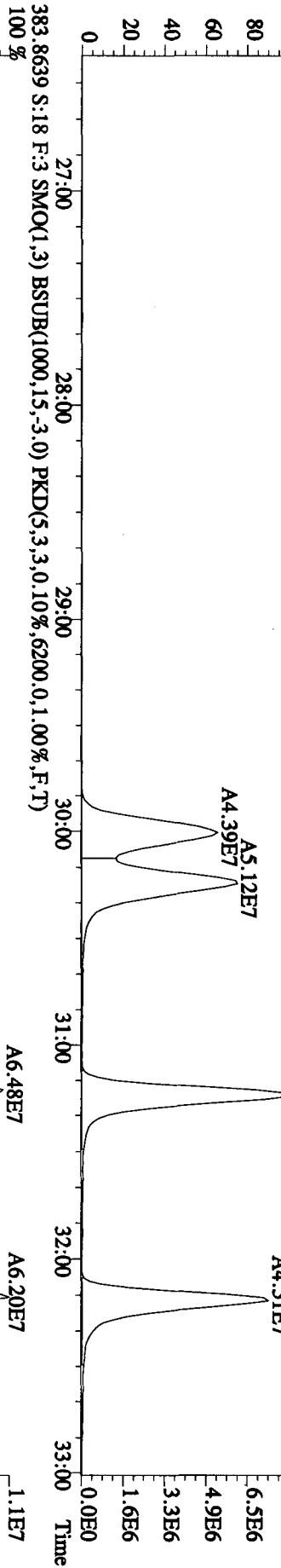
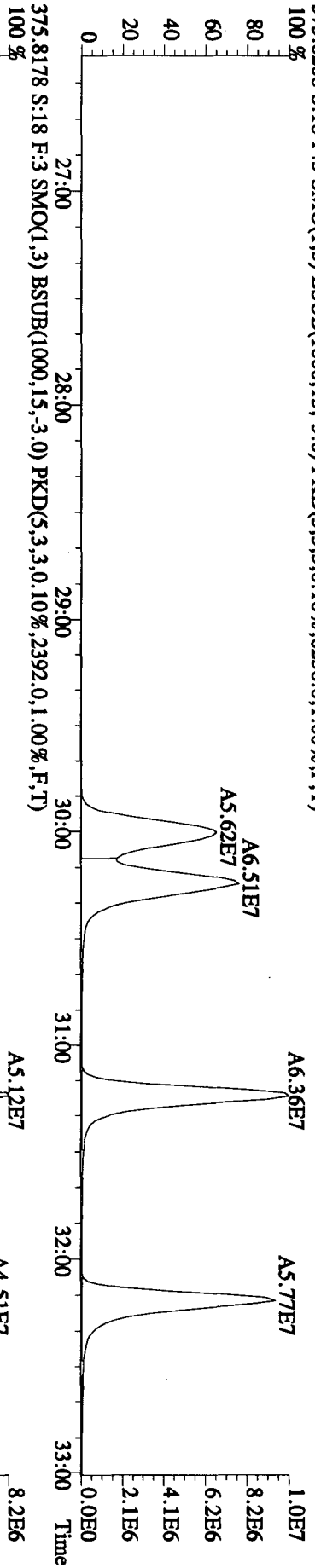


File: 29AP101D5 #1-384 Acq: 29-APR-2010 22:01:32 GC EI + Voltage SIR 70SE
 Sample#18 Text: ST0429A :CS3 10DXN111 Exp: DIOXINRES
 339 8597 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2556,0.1,0.00%,F,T)
 100% A7.99E4

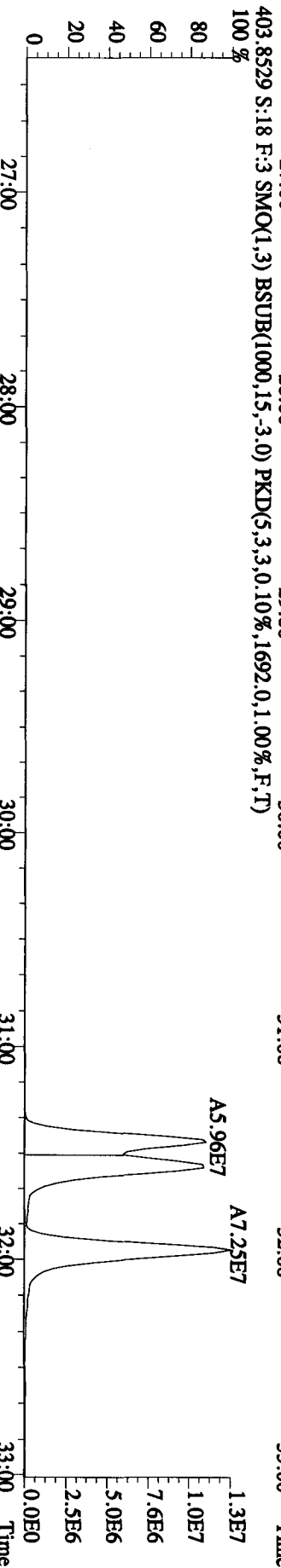
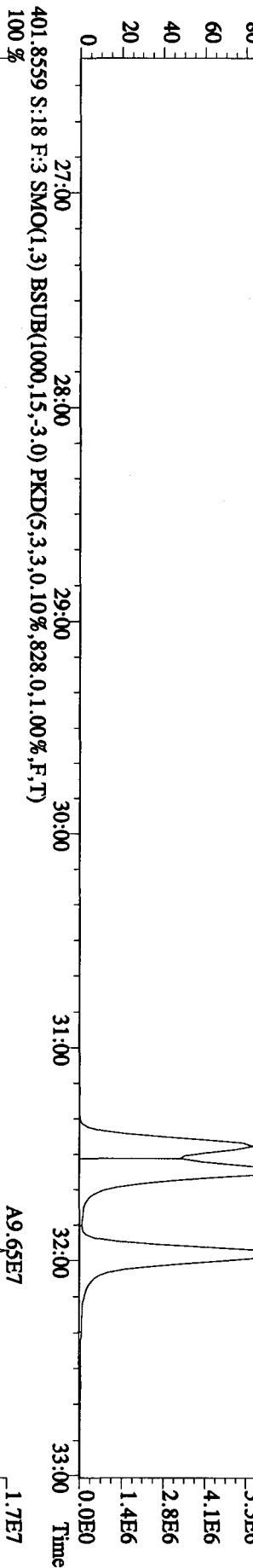
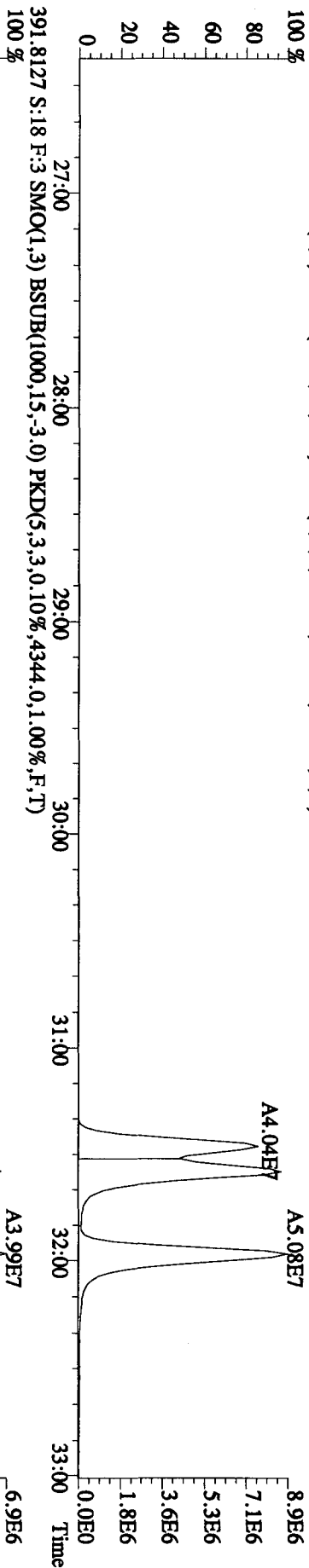


File:29AP101D5 #1-445 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 355 8546 S:18 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7016,0,1,00%,F,T)
 100 %

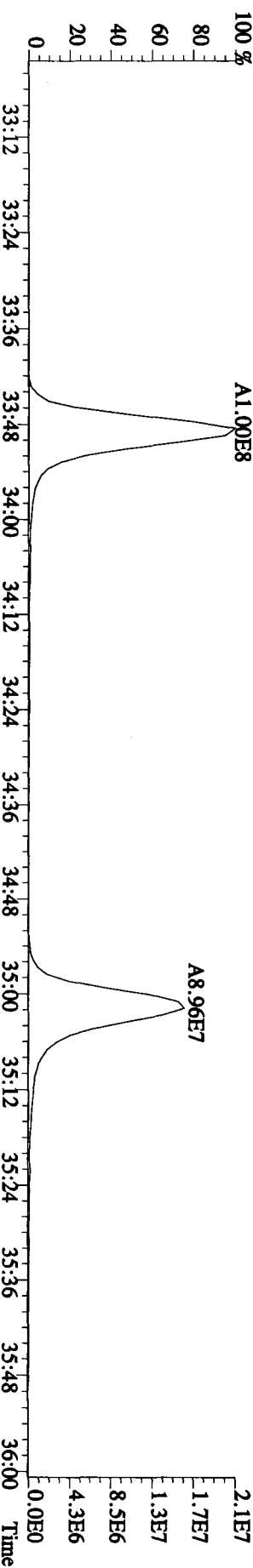
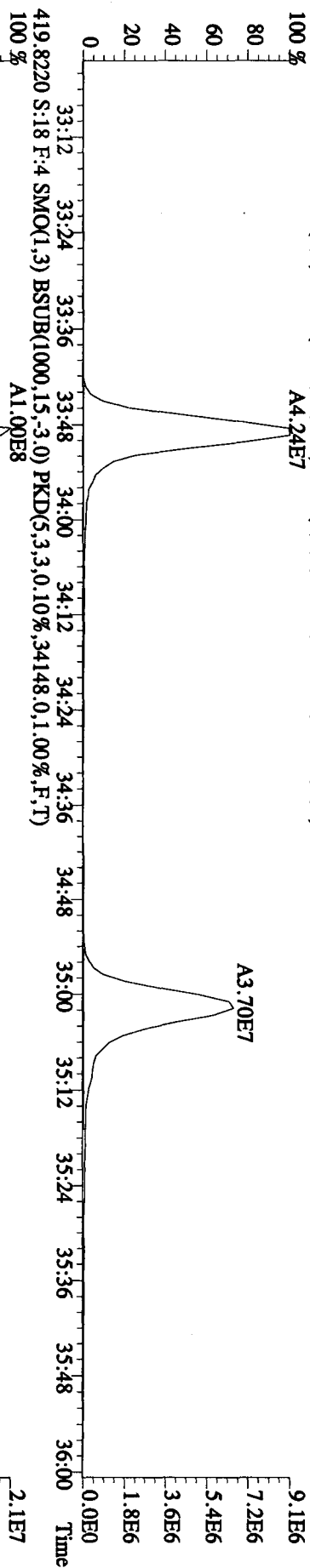
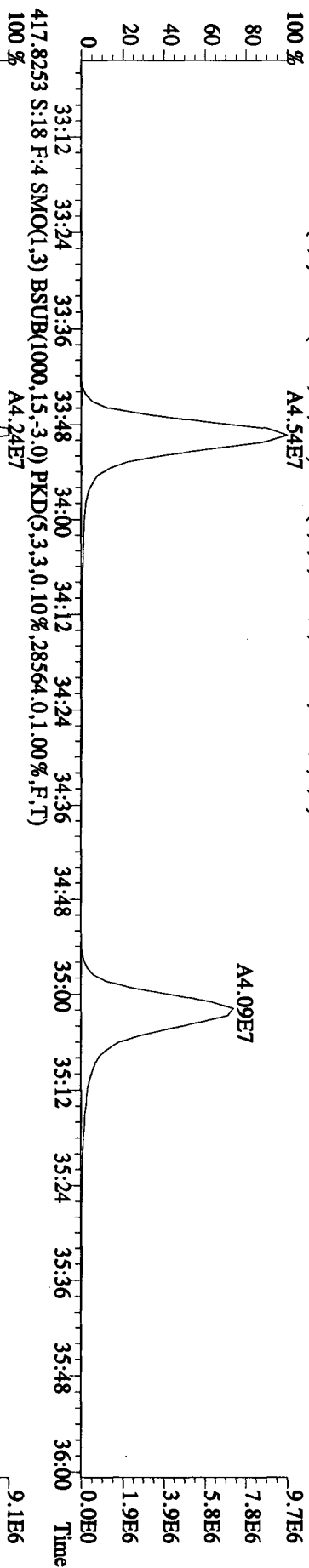
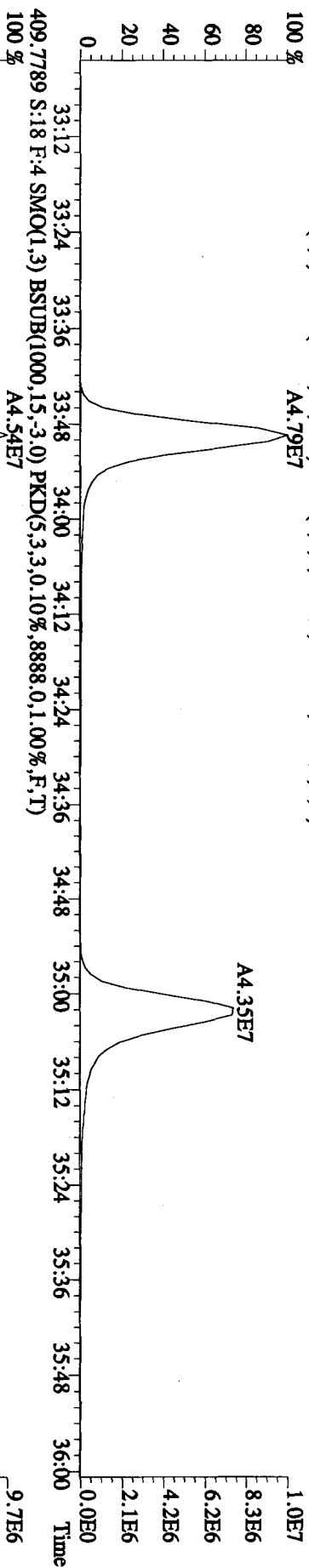


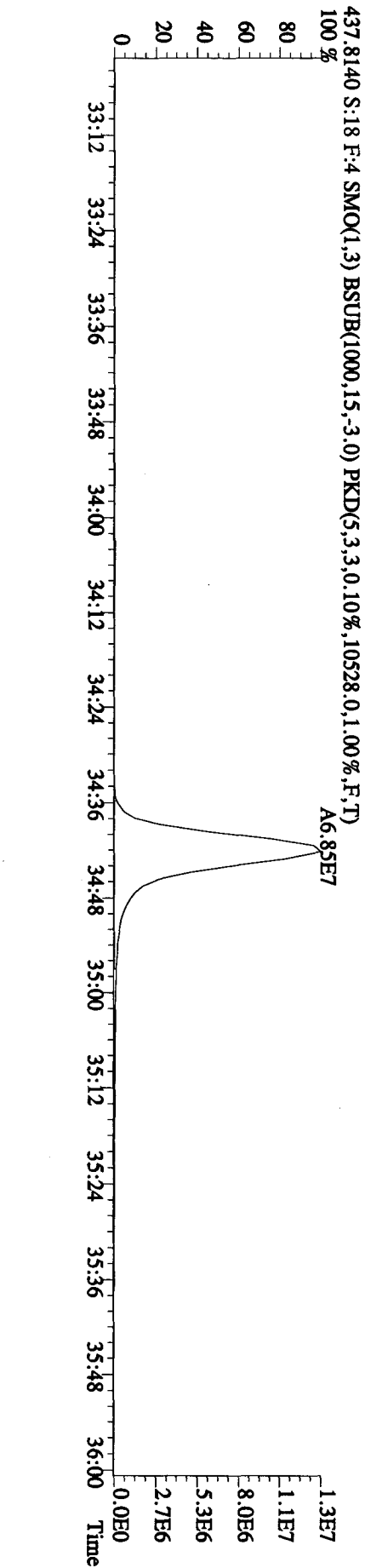
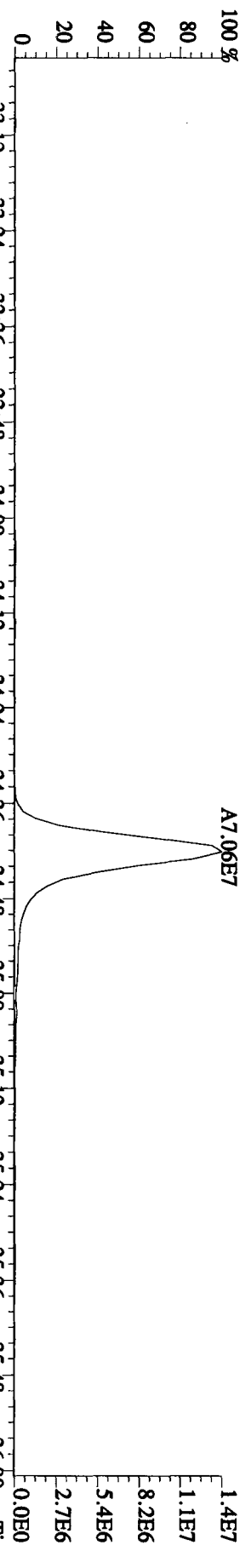
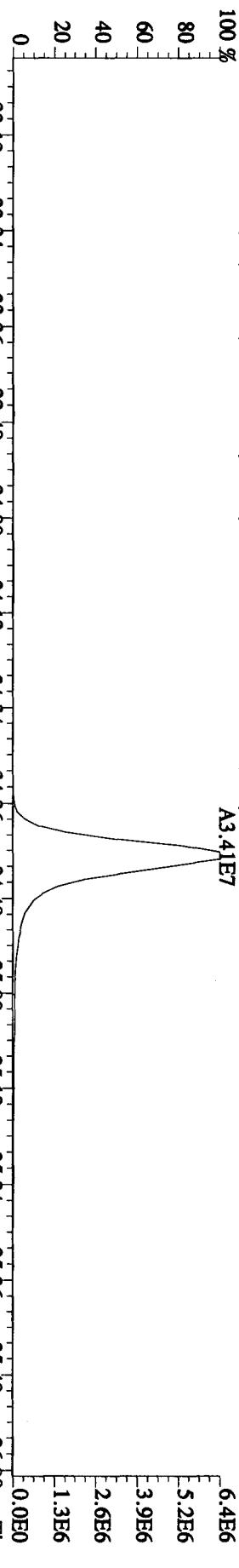
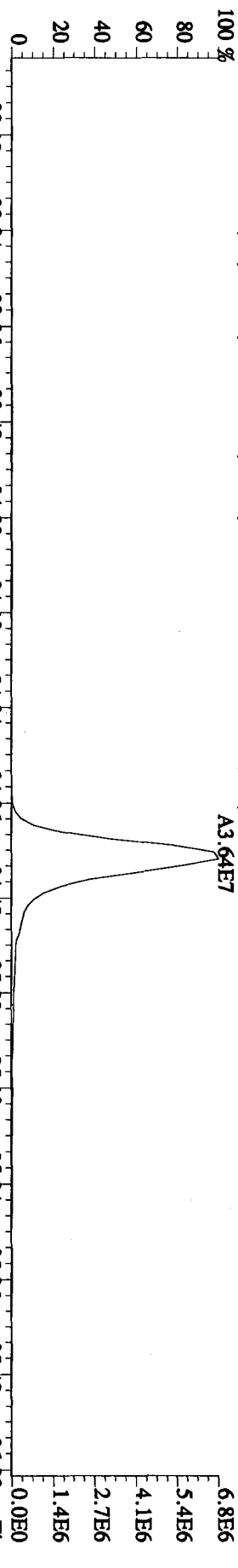


File:29AP101D5 #1-447 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 389.8157 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3232.0,1.00%,F,T) 100 %

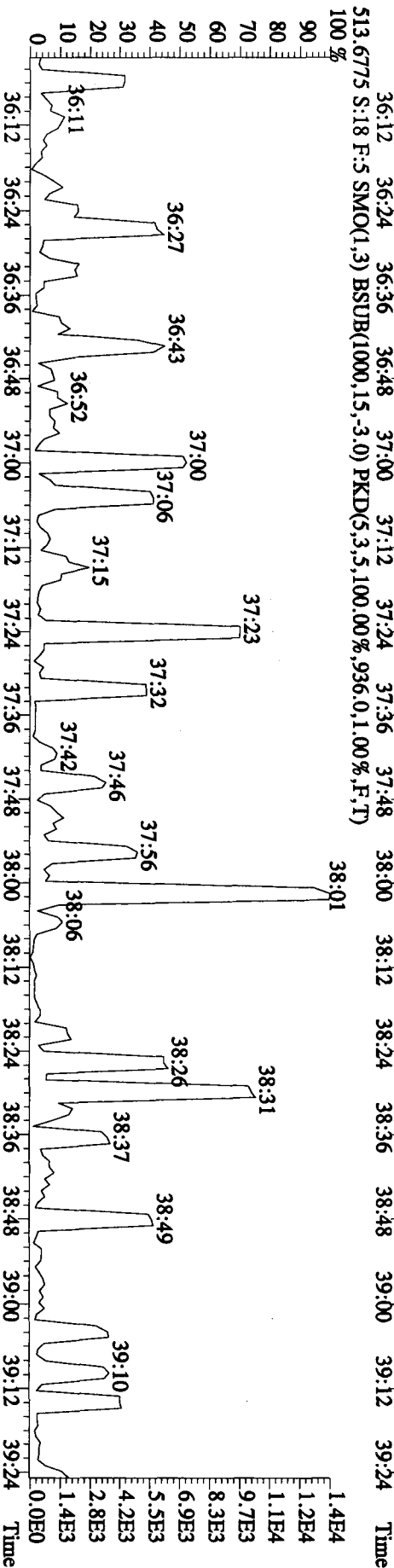
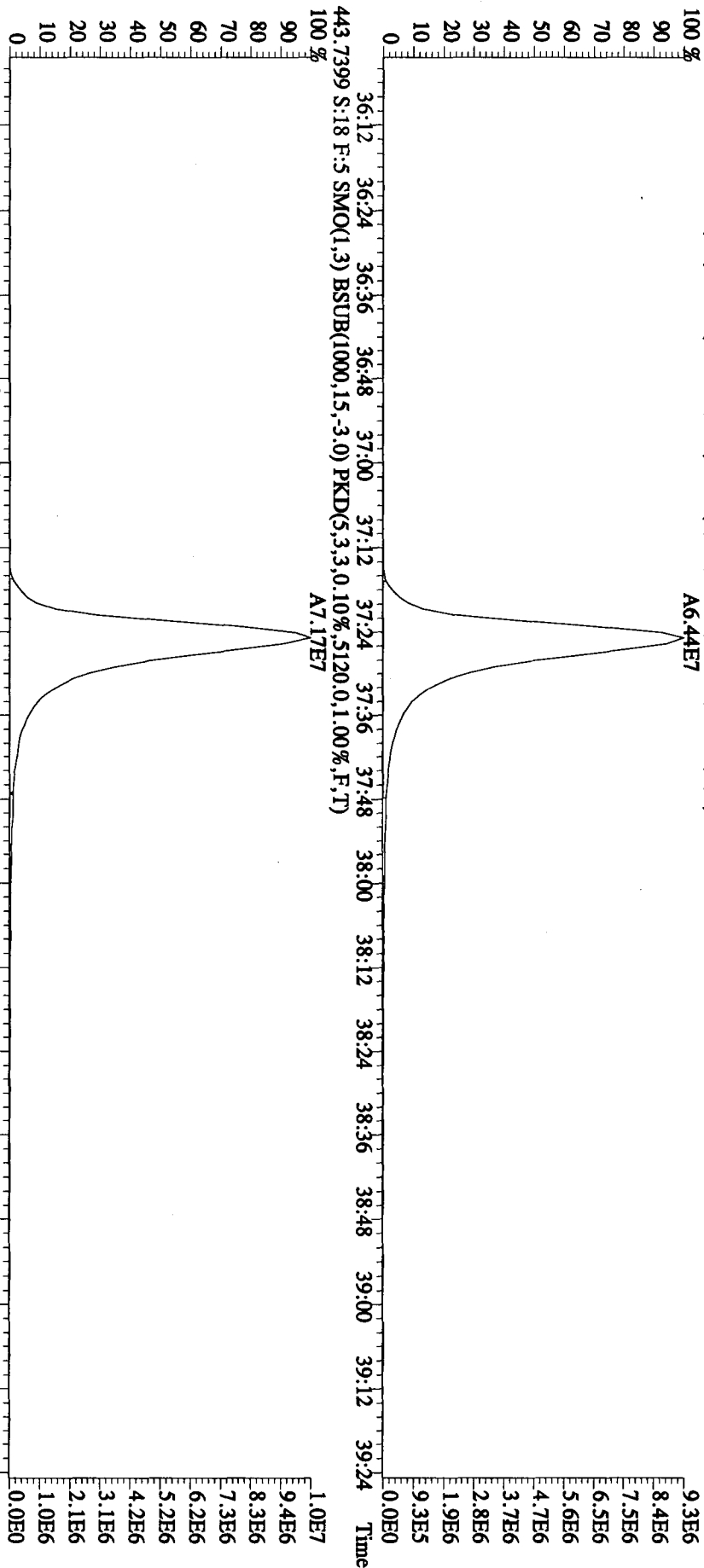


File:29AP1010D5 #1-210 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 407.7818 S:18 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,15772,0,1,00%,F,T)
 100 % A4.79E7

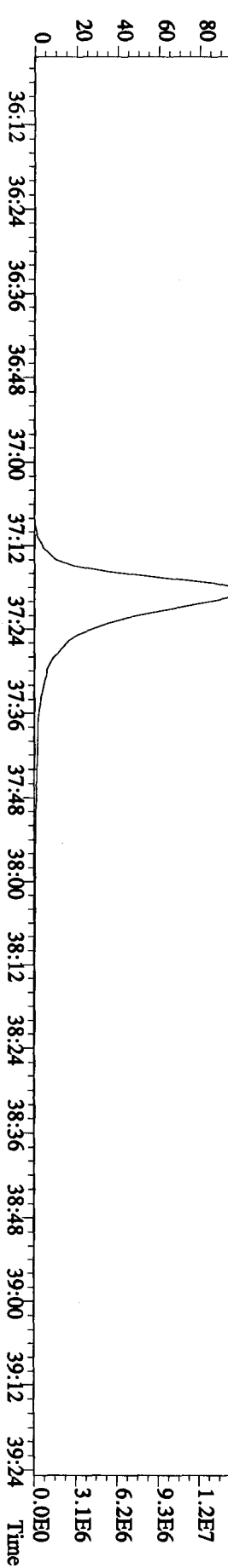
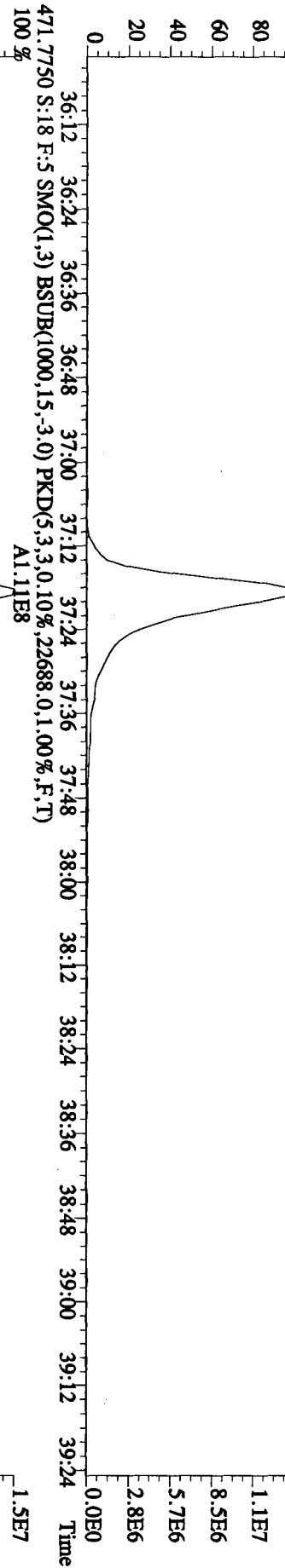
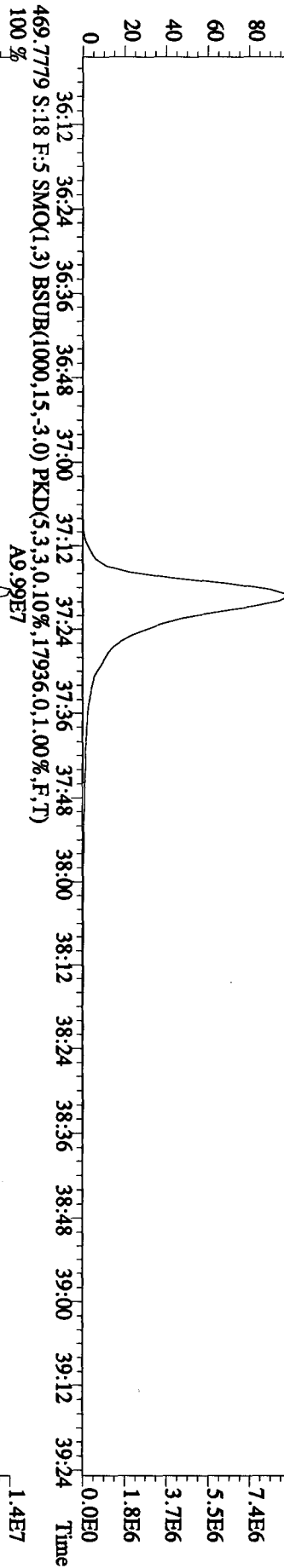
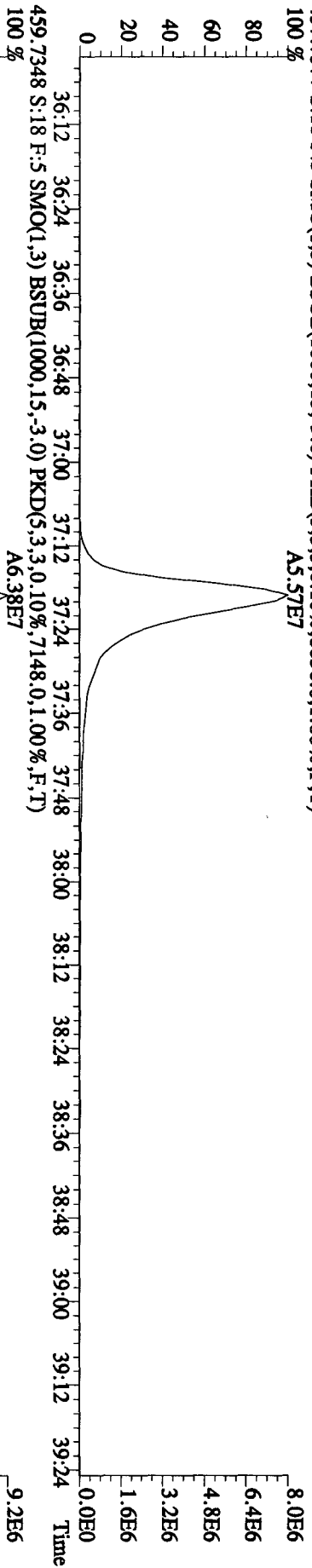




File:29AP101D5 #1-244 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 441.7428 S:18 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,9596.0,1.00%,F,T)
 100% A6.44E7



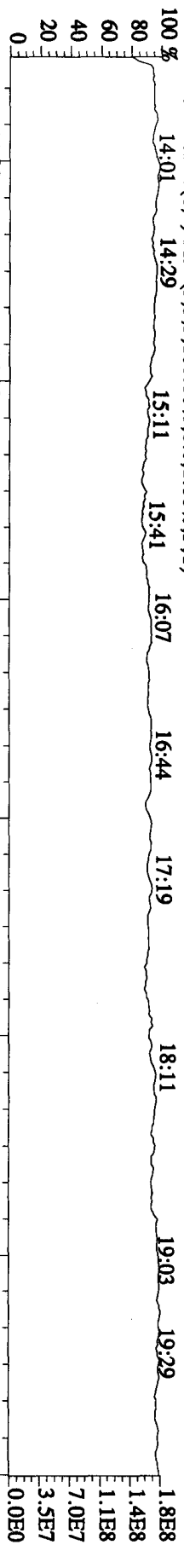
File:29AP101D5 #1-244 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES
 457.7377 S:18 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8656,0,1,00%,F,T)
 100 % A5.57E7



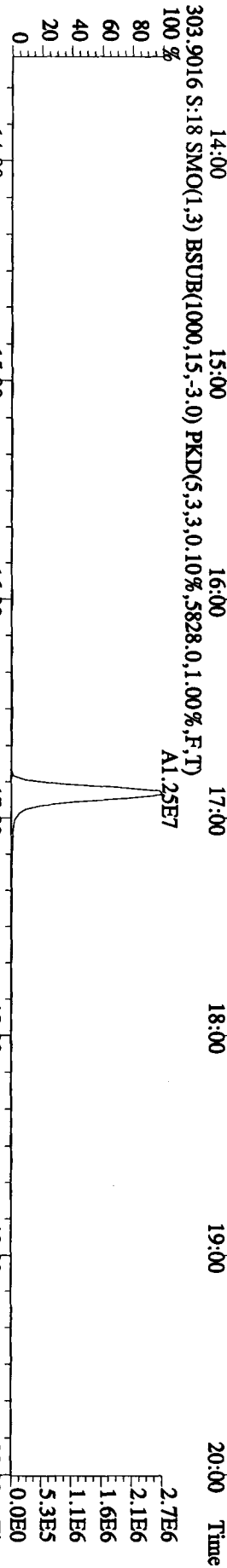
File:29AD101D5 #1-384 Acq:29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE

Sample#18 Text:ST0429A :CS3 10DXN111 Exp:DIOXINRES

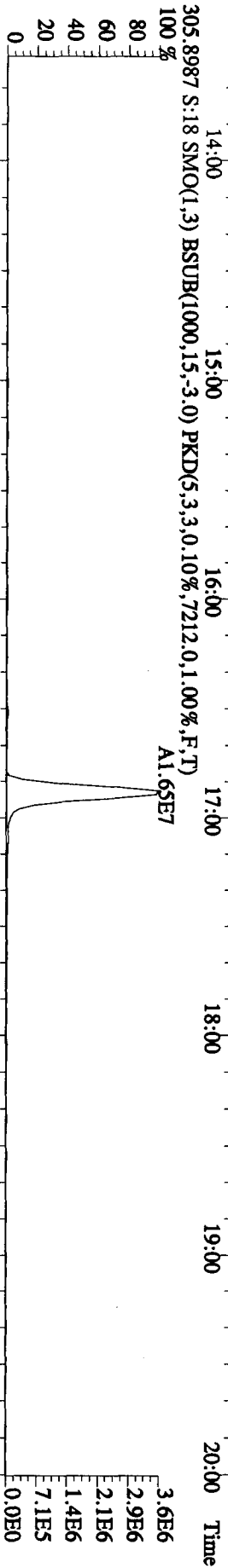
292.9825 S:18 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



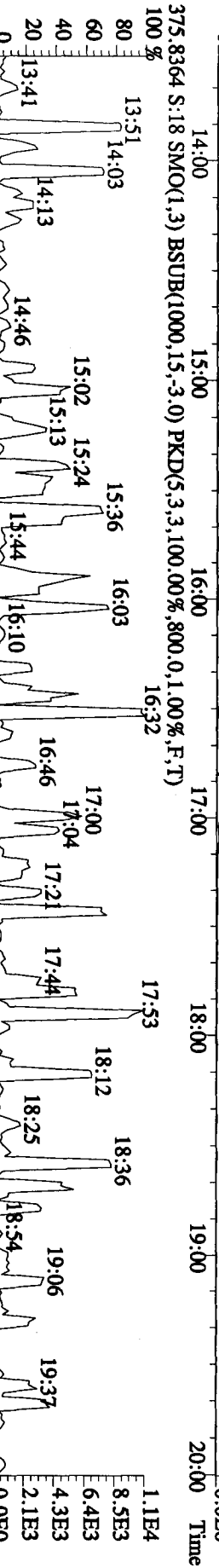
303.9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5828,0.1,00%,F,T)



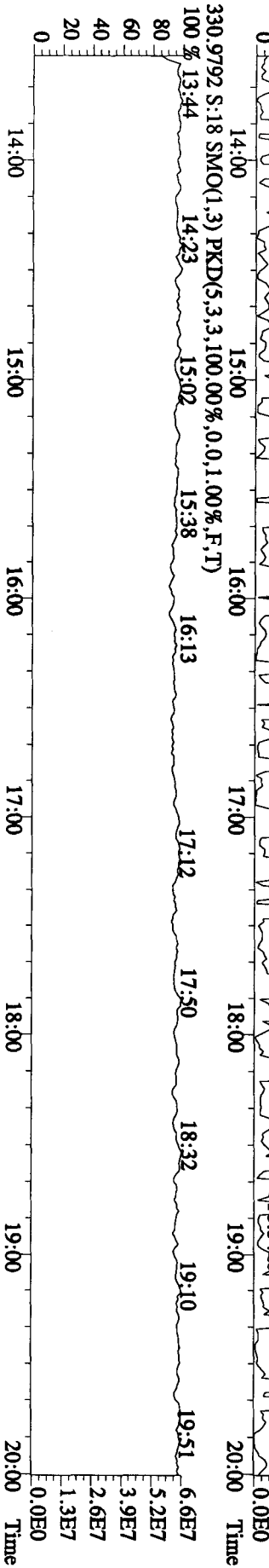
305.8987 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7212,0.1,00%,F,T)



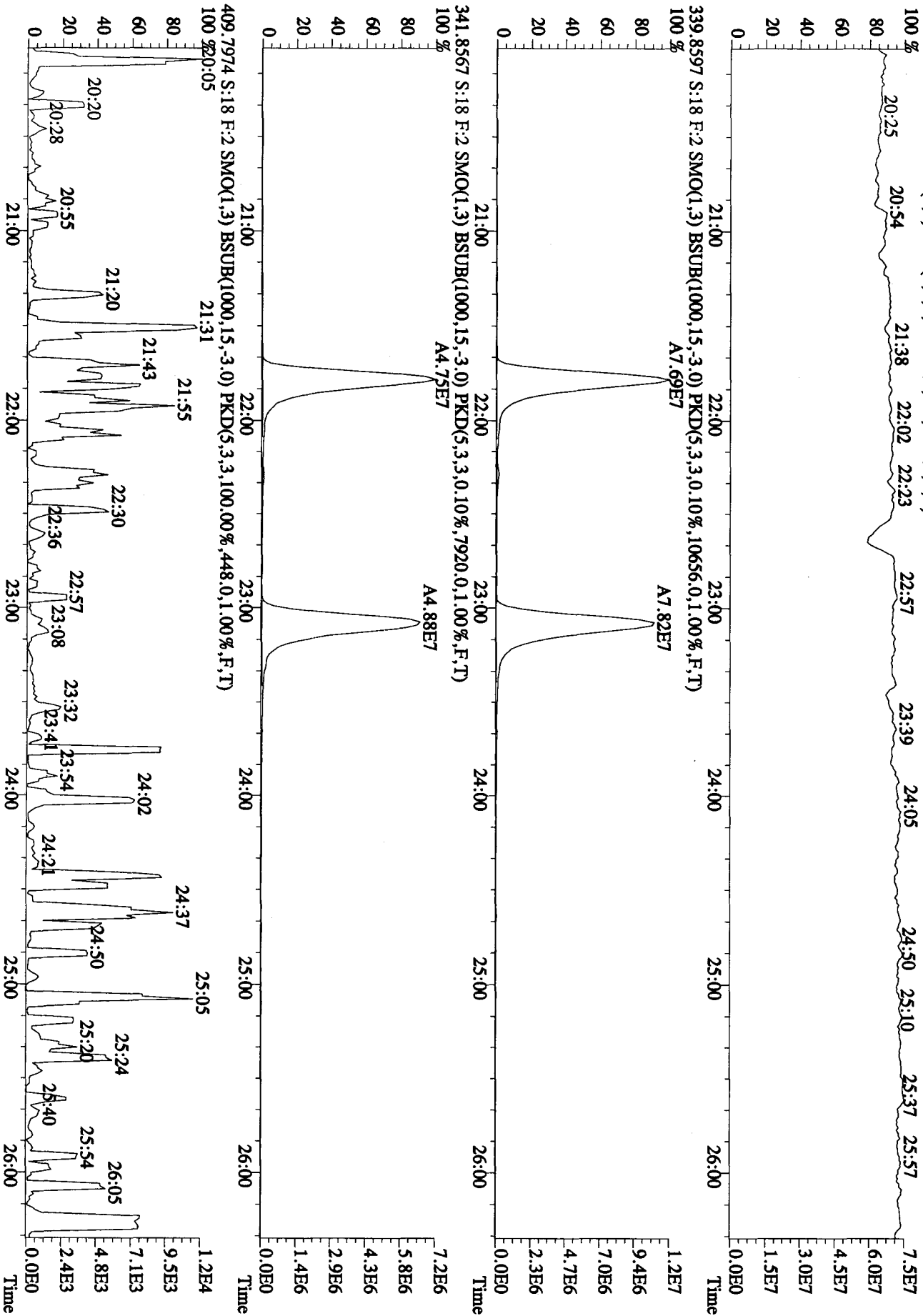
375.8364 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,800,0.1,00%,F,T)



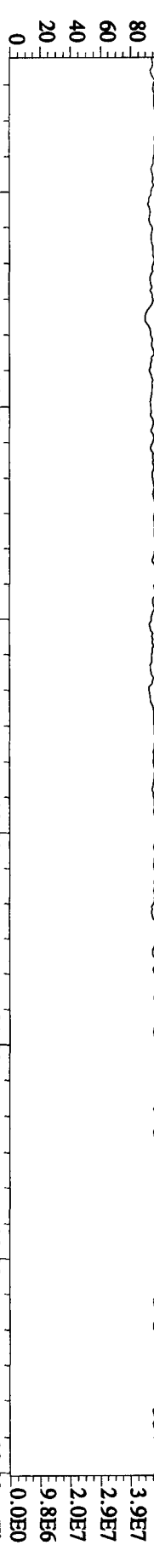
330.9792 S:18 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



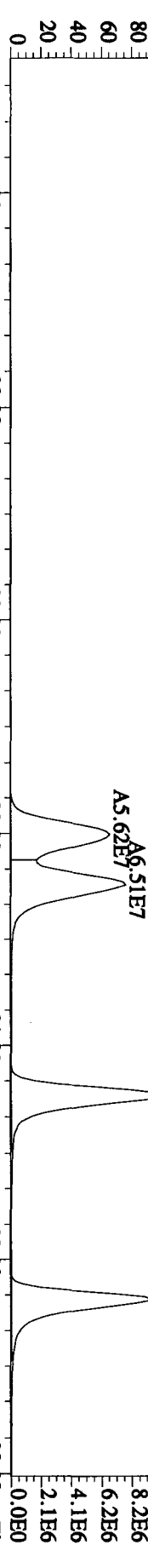
File: 29AP101D5 #1-445 Acq: 29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text: ST0429A :CS3 10DXN111 Exp: DIOXINRES



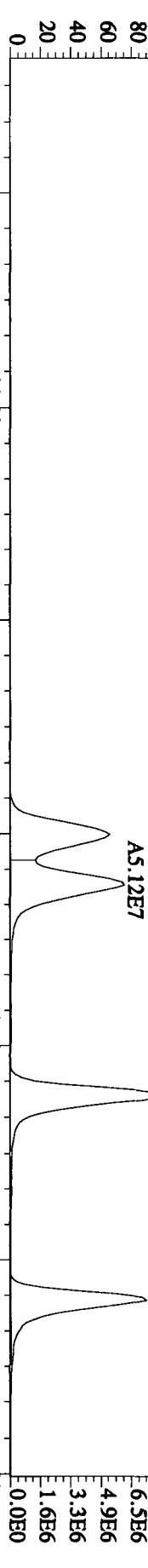
File: 29AP101D5 #1-447 Acq: 29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text: ST0429A :CS3 10DXN111 Exp: DIOXINRES
 392.9760 S:18 F:3 SMO(1,3) PKD(5,3,3,100,0.0%,0.0,1.00%,F,T)
 100% 26:42 27:19 27:45 28:23 28:46 29:08 29:34 29:57 30:26 30:49 31:15 31:39 32:04 32:26 32:49



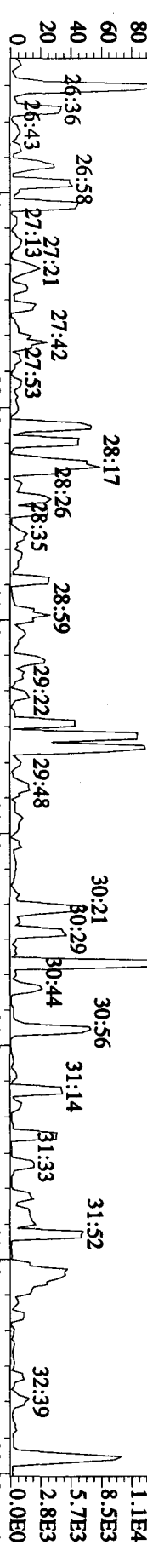
373.8208 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6256,0.1,0.00%,F,T)
 100% 26:42 27:19 27:45 28:23 28:46 29:08 29:34 29:57 30:26 30:49 31:15 31:39 32:04 32:26 32:49



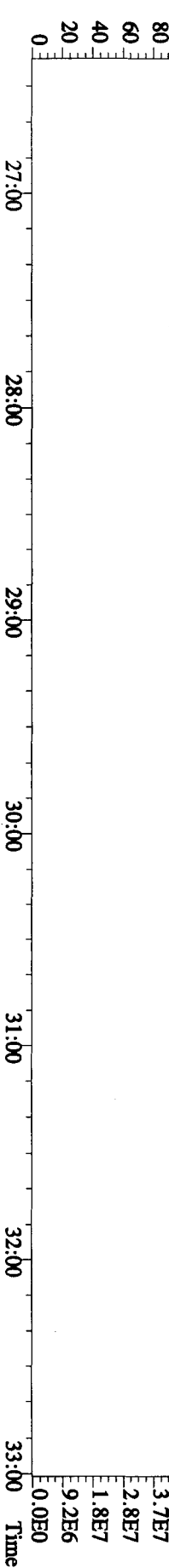
375.8178 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2392,0.1,0.00%,F,T)
 100% 26:42 27:19 27:45 28:23 28:46 29:08 29:34 29:57 30:26 30:49 31:15 31:39 32:04 32:26 32:49

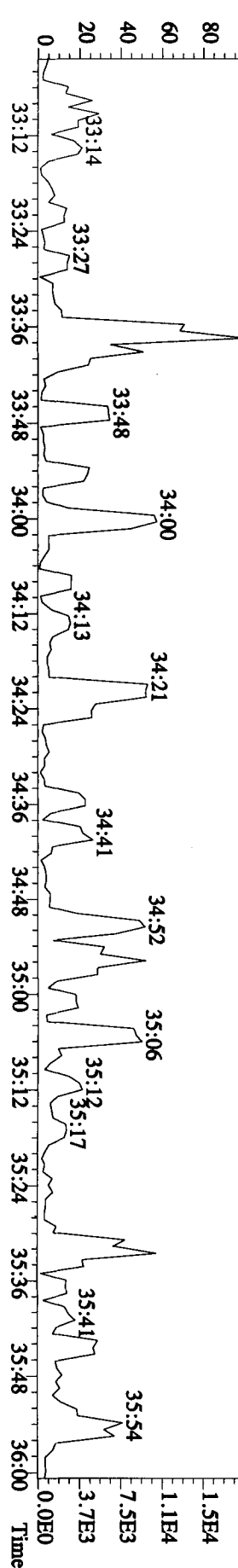
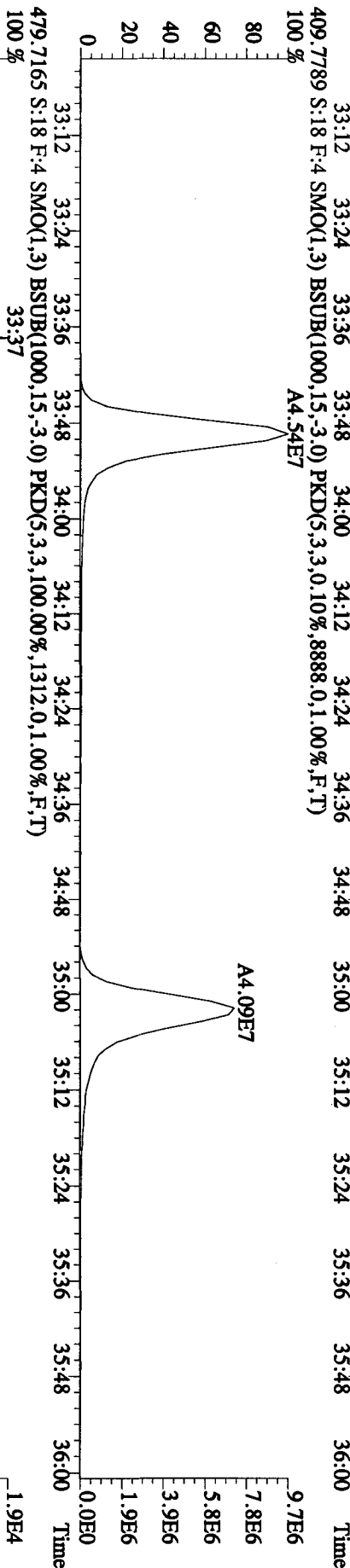
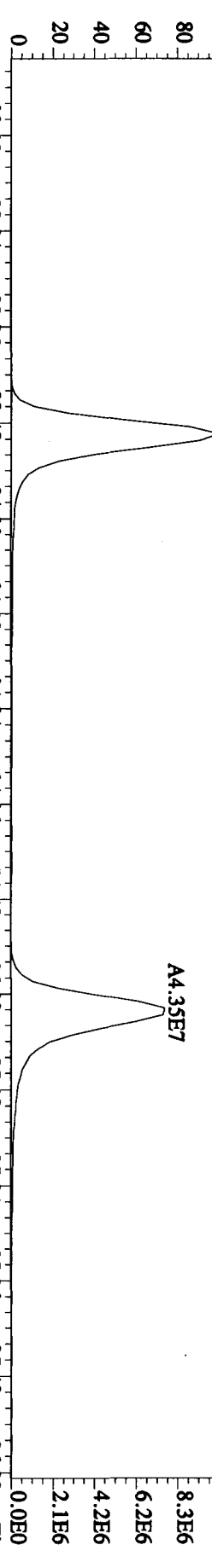
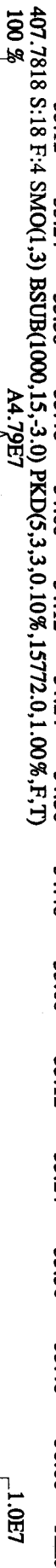
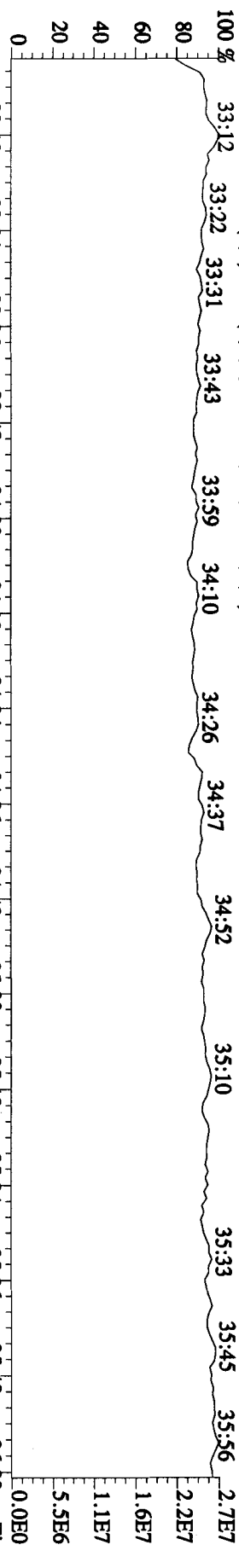


445.7555 S:18 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100,0.0%,632,0.1,0.00%,F,T)
 100% 26:42 27:19 27:45 28:23 28:46 29:08 29:34 29:57 30:26 30:49 31:15 31:39 32:04 32:26 32:49

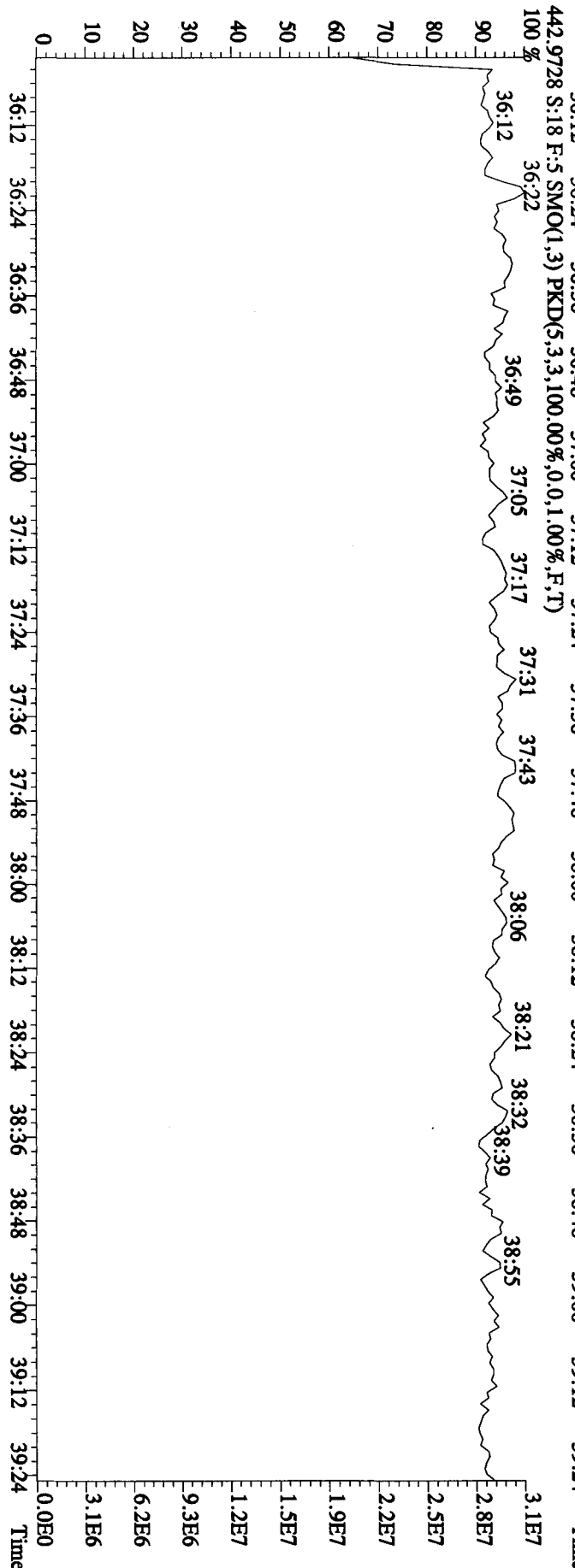
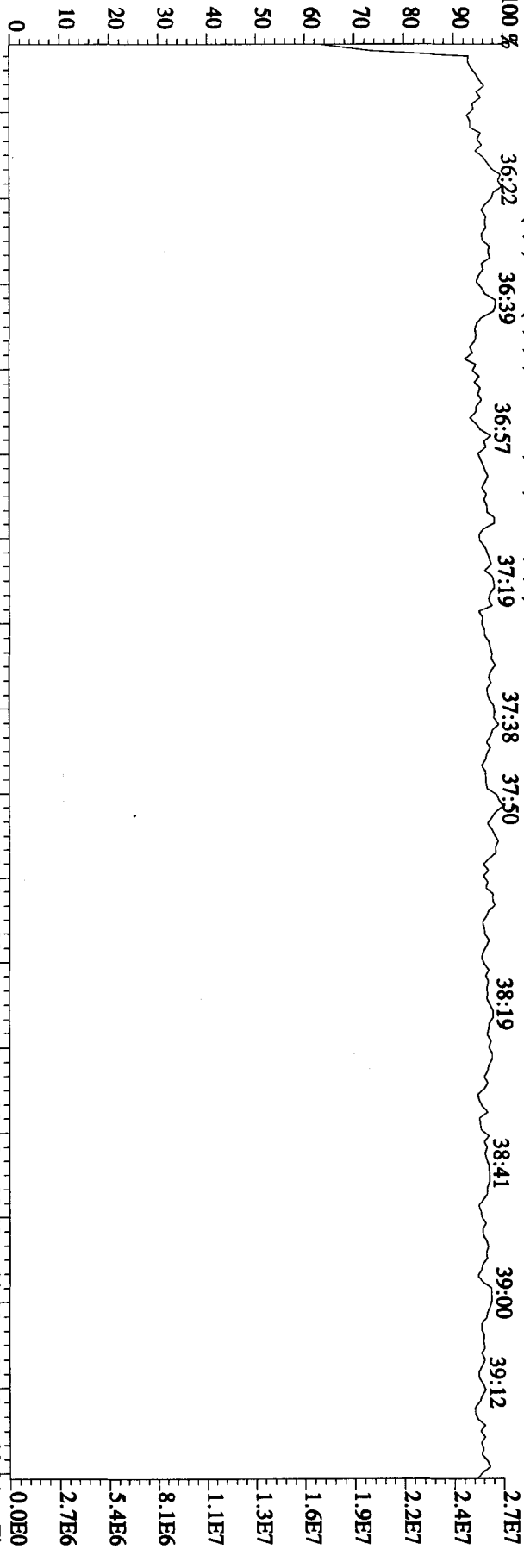


380.9760 S:18 F:3 SMO(1,3) PKD(5,3,3,100,0.0%,0.0,1.00%,F,T)
 100% 26:42 27:19 27:45 28:23 28:46 29:08 29:34 29:57 30:26 30:49 31:15 31:39 32:04 32:26 32:49





File: 29AP101D5 #1-244 Acq: 29-APR-2010 22:01:32 GC EI+ Voltage SIR 70SE
 Sample#18 Text: ST0429A :CS3 10DXN111 Exp.: DIOXINRES
 454.9728 S:18 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Daily Calibration Checklist Dioxin Methods

Method ID 8290

Associated ICAL 8290A041210485

Column ID DB5

Instrument ID 485

STD ID ST0503, ST0503A

STD Solution 100%NHT 083 ^{Std} _{WGA}

Analyzed by MCA

Date Analyzed 5/3/10

Std. Pkg. By KAS

Date Std. Pkg. Assembled 5/4/10

Std. Pkg. Reviewed By MCA

Date Std. Pkg. Reviewed 5/4/10

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: ST0503 File text: ST0503 :CS3 10DXN083
 Run #6 Filename 03MY10A4D5 S: 1 I: 1
 Acquired: 3-MAY-10 11:12:35 Processed: 4-MAY-10 09:51:45
 Run: 03MY10A4D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 03MY10A4D58290A

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	121619200	0.81 y	19:28	-	100.00	-	n
13C-2,3,7,8-TCDF	183019300	0.79 y	18:54	1.50	100.00	-1.0	n
2,3,7,8-TCDF	17070370	0.78 y	18:55	0.93	10.00	-1.3	n
Total TCDF	17260861	0.86 y	17:54	0.93	10.00	-1.3	n
13C-2,3,7,8-TCDD	122121200	0.79 y	19:41	1.00	100.00	5.7	n
2,3,7,8-TCDD	11615880	0.77 y	19:42	0.95	10.00	-6.8	n
Total TCDD	11615880	0.77 y	19:42	0.95	10.00	-6.8	n
37Cl-2,3,7,8-TCDD	28754400	1.00 y	19:42	2.36	10.00	4.6	n
13C-1,2,3,7,8-PeCDF	128407700	1.57 y	24:31	1.06	100.00	0.5	n
1,2,3,7,8-PeCDF	64153000	1.61 y	24:33	1.00	50.00	-4.4	n
2,3,4,7,8-PeCDF	62070200	1.64 y	26:03	0.97	50.00	-1.6	n
Total F2 PeCDF	127904465	1.23 n	23:02	0.98	100.00	-3.0	n
Total F1 PeCDF	44301	0.36 n	16:38	0.98	100.00	-3.0	n
13C-1,2,3,7,8-PeCDD	93071300	1.56 y	26:50	0.77	100.00	14.1	n
1,2,3,7,8-PeCDD	41907900	1.57 y	26:51	0.90	50.00	-8.3	n
Total PeCDD	42038779	1.57 y	26:51	0.90	50.00	-8.3	n
13C-1,2,3,7,8,9-HxCDD	95813900	1.27 y	33:03	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	89331900	0.51 y	31:52	0.93	100.00	-9.0	n
1,2,3,4,7,8-HxCDF	56014100	1.24 y	31:53	1.25	50.00	3.4	n
1,2,3,6,7,8-HxCDF	64645500	1.25 y	32:00	1.45	50.00	7.8	n
2,3,4,6,7,8-HxCDF	58125400	1.21 y	32:34	1.30	50.00	6.5	n
1,2,3,7,8,9-HxCDF	52348200	1.25 y	33:13	1.17	50.00	7.3	n
Total HxCDF	231224042	0.87 n	30:43	1.29	200.00	6.3	n
13C-1,2,3,6,7,8-HxCDD	84226300	1.14 y	32:47	0.88	100.00	8.9	n
1,2,3,4,7,8-HxCDD	35406500	1.27 y	32:42	0.84	50.00	-16.5	n
1,2,3,6,7,8-HxCDD	48524200	1.30 y	32:48	1.15	50.00	3.4	n
1,2,3,7,8,9-HxCDD	48039700	1.28 y	33:04	1.14	50.00	-5.6	n
Total HxCDD	132127364	1.27 y	32:42	1.04	150.00	-5.9	n
13C-1,2,3,4,6,7,8-HpCDF	79302400	0.45 y	34:33	0.83	100.00	-4.0	n
1,2,3,4,6,7,8-HpCDF	51793100	0.98 y	34:33	1.31	50.00	-0.3	n
1,2,3,4,7,8,9-HpCDF	43468900	0.99 y	35:41	1.10	50.00	6.9	n
Total HpCDF	95844412	0.98 y	34:33	1.20	100.00	2.9	n
13C-1,2,3,4,6,7,8-HpCDD	73229700	1.09 y	35:22	0.76	100.00	9.6	n
1,2,3,4,6,7,8-HpCDD	37121800	1.05 y	35:22	1.01	50.00	-5.4	n
Total HpCDD	37326671	1.01 y	34:48	1.01	50.00	-5.4	n
13C-OCDD	114667900	0.91 y	37:51	0.60	200.00	12.6	n
OCDF	80031600	0.91 y	37:58	1.40	100.00	-3.4	n
OCDD	63833500	0.87 y	37:52	1.11	100.00	-4.5	n

Run text: ST0503A File text: ST0503A :CS3 10DXN083
 Run #20 Filename 03MY10A4D5 S: 17 I: 1
 Acquired: 3-MAY-10 22:59:36 Processed: 4-MAY-10 09:52:58
 Run: 03MY10A4D5 Analyte: 8290A Cal: 8290A0412104D5 Results: 03MY10A4D58290A

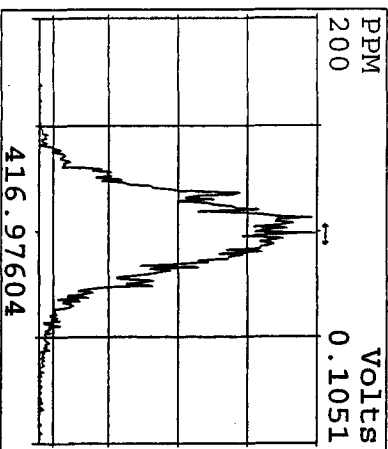
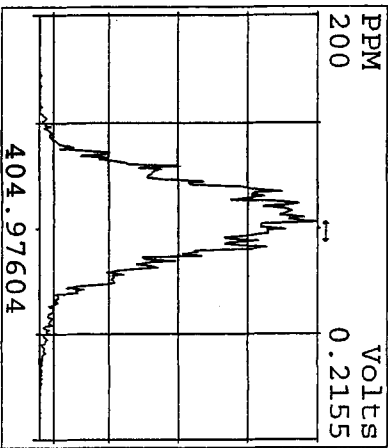
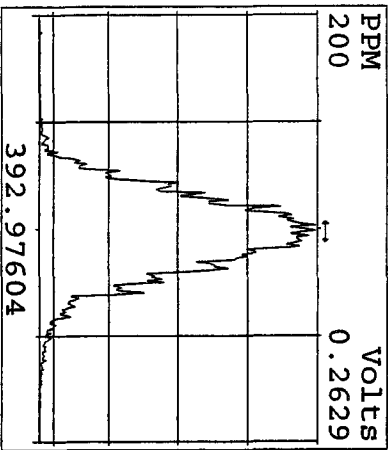
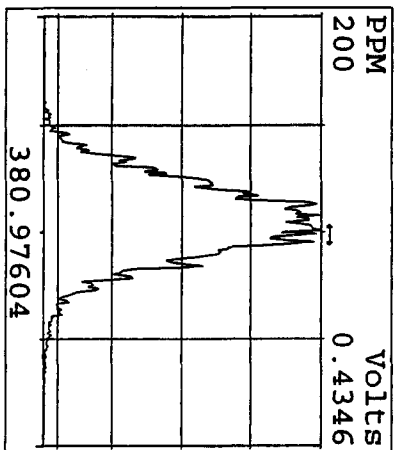
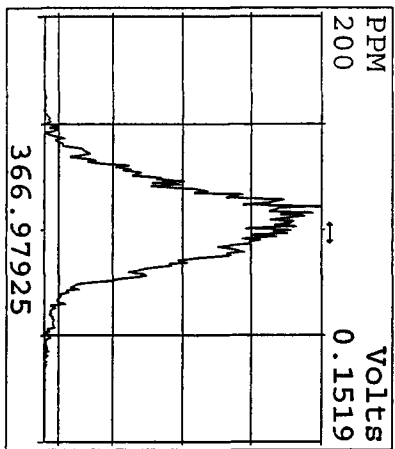
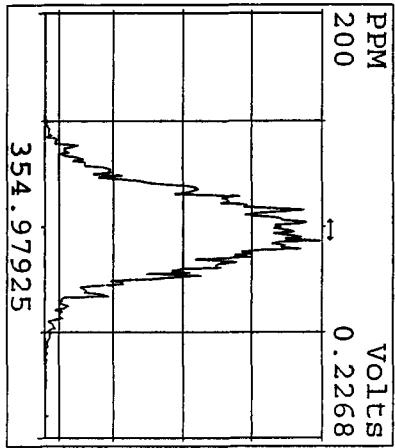
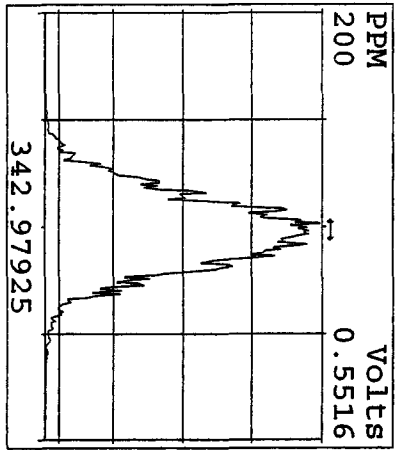
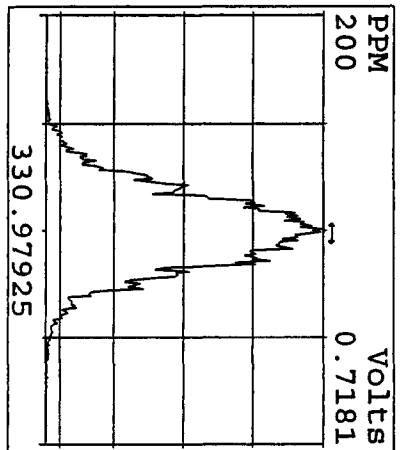
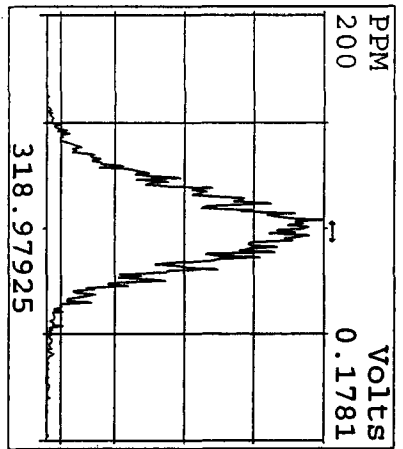
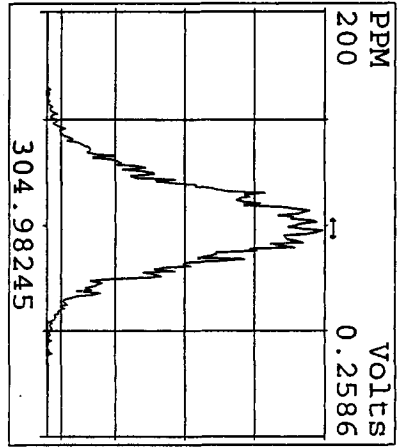
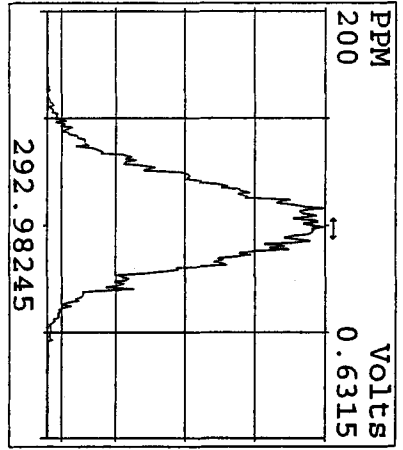
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	88039000	0.80 y	19:29	-	100.00	-	n
13C-2,3,7,8-TCDF	131130600	0.80 y	18:55	1.49	100.00	-2.1	n
2,3,7,8-TCDF	12787770	0.79 y	18:56	0.98	10.00	3.2	n
Total TCDF	13083027	0.38 n	17:03	0.98	10.00	3.2	n
13C-2,3,7,8-TCDD	91053100	0.79 y	19:41	1.03	100.00	8.9	n
2,3,7,8-TCDD	8954770	0.76 y	19:43	0.98	10.00	-3.7	n
Total TCDD	8981665	0.76 y	19:43	0.98	10.00	-3.7	n
37C1-2,3,7,8-TCDD	21205200	1.00 y	19:42	2.41	10.00	6.5	n
13C-1,2,3,7,8-PeCDF	92828700	1.61 y	24:34	1.05	100.00	0.4	n
1,2,3,7,8-PeCDF	49068700	1.61 y	24:35	1.06	50.00	1.2	n
2,3,4,7,8-PeCDF	46701000	1.63 y	26:04	1.01	50.00	2.4	n
Total F2 PeCDF	96459642	2.22 n	23:02	1.03	100.00	1.8	n
Total F1 PeCDF	11598	0.28 n	16:41	1.03	100.00	1.8	n
13C-1,2,3,7,8-PeCDD	66160200	1.56 y	26:51	0.75	100.00	12.1	n
1,2,3,7,8-PeCDD	31586800	1.57 y	26:54	0.95	50.00	-2.8	n
Total PeCDD	31625593	4.60 n	26:22	0.95	50.00	-2.8	n
13C-1,2,3,7,8,9-HxCDD	68569300	1.29 y	33:05	-	100.00	-	n
13C-1,2,3,4,7,8-HxCDF	67949800	0.53 y	31:55	0.99	100.00	-3.3	n
1,2,3,4,7,8-HxCDF	44273300	1.21 y	31:55	1.30	50.00	7.5	n
1,2,3,6,7,8-HxCDF	47412400	1.27 y	32:02	1.40	50.00	3.9	n
2,3,4,6,7,8-HxCDF	45727400	1.24 y	32:37	1.35	50.00	10.1	n
1,2,3,7,8,9-HxCDF	40663400	1.25 y	33:16	1.20	50.00	9.6	n
Total HxCDF	178167678	0.96 n	30:47	1.31	200.00	7.6	n
13C-1,2,3,6,7,8-HxCDD	60226800	1.12 y	32:49	0.88	100.00	8.8	n
1,2,3,4,7,8-HxCDD	29291100	1.29 y	32:45	0.97	50.00	-3.4	n
1,2,3,6,7,8-HxCDD	36171100	1.34 y	32:50	1.20	50.00	7.8	n
1,2,3,7,8,9-HxCDD	35509100	1.29 y	33:06	1.18	50.00	-2.5	n
Total HxCDD	100971300	1.29 y	32:45	1.12	150.00	0.7	n
13C-1,2,3,4,6,7,8-HpCDF	60190000	0.44 y	34:36	0.88	100.00	1.8	n
1,2,3,4,6,7,8-HpCDF	41134400	0.98 y	34:36	1.37	50.00	4.4	n
1,2,3,4,7,8,9-HpCDF	34588600	0.98 y	35:43	1.15	50.00	12.1	n
Total HpCDF	76045546	0.98 y	34:36	1.26	100.00	7.7	n
13C-1,2,3,4,6,7,8-HpCDD	55653400	1.04 y	35:24	0.81	100.00	16.4	n
1,2,3,4,6,7,8-HpCDD	29475700	1.04 y	35:24	1.06	50.00	-1.2	n
Total HpCDD	29604684	1.09 y	34:51	1.06	50.00	-1.2	n
13C-OCDD	81431100	0.90 y	37:54	0.59	200.00	11.7	n
OCDF	59627100	0.90 y	38:01	1.46	100.00	1.3	n
OCDD	47346200	0.89 y	37:55	1.16	100.00	-0.3	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
03MY10A4D5	1	ST0503	CS3 10DXN083				1.00000	
03MY10A4D5	2	CP0503	DB-5 CPSM 3732-05				1.00000	
03MY10A4D5	3	SB0503	Solvent Blank C-14				1.00000	
03MY10A4D5	4	LX0M6-1-AA	G0D140534-3RI	10	8290/WATER	75	0.94920	L
03MY10A4D5	5	LX0PE-1-AA	G0D140542-1	20	8290/SOLID	70	10.15000	g
03MY10A4D5	6	LX3A0-1-AC	G0D160437-1	10	8290/SOLID	77	10.08000	g
03MY10A4D5	7	LX3A9-1-AC	G0D160437-3	10	8290/SOLID		10.16000	g
03MY10A4D5	8	LX50Q-1-AC	G0D170488-1	10	8290/SOLID	77	10.06000	g
03MY10A4D5	9	LX50T-1-AC	G0D170488-3	10	8290/SOLID		10.45000	g
03MY10A4D5	10	LX513-1-AC	G0D170491-1	10	8290/SOLID	77	10.14000	g
03MY10A4D5	11	LX515-1-AC	G0D170491-3	10	8290/SOLID		10.11000	g
03MY10A4D5	12	LX517-1-AC	G0D170491-5	10	8290/SOLID		10.05000	g
03MY10A4D5	13	LX0LQ-1-AC	G0D140526-1 (40X)	10	8290/SOLID	75	10.56000	g
03MY10A4D5	14	LX0LQ-1-AD	G0D140526-1MS (40X)	10	8290/SOLID		10.25000	g
03MY10A4D5	15	LX0LQ-1-AE	G0D140526-1MSD (40X)	10	8290/SOLID		10.65000	g
03MY10A4D5	16	SB0503A	Solvent Blank C-14				1.00000	
03MY10A4D5	17	ST0503A	CS3 10DXN083				1.00000	
03MY10A4D5	18	CP0503A	DB-5 CPSM 3732-05				1.00000	
03MY10A4D5	19	SB0503B	Solvent Blank C-14				1.00000	
03MY10A4D5	20	LXW72-1-AA	G0D130556-1	20	8290/WATER	72	0.86260	L
03MY10A4D5	21	LX3WA-1-AD	G0D160486-25	10	8290/SOLID	79	10.49000	g
03MY10A4D5	22	LX3WA-1-AE	G0D160486-25MS	10	8290/SOLID		10.12000	g
03MY10A4D5	23	LX3WA-1-AF	G0D160486-25MSD	10	8290/SOLID		10.39000	g
03MY10A4D5	24	LX8NW-1-AD	G0D200500-55	10	8290/SOLID	80	10.02000	g
03MY10A4D5	25	LX8NW-1-AE	G0D200500-55MS	10	8290/SOLID		10.00000	g
03MY10A4D5	26	LX8NW-1-AF	G0D200500-55MSD	10	8290/SOLID		10.67000	g
03MY10A4D5	27	LX3XG-1-AE	G0D160486-41	10	8290/SOLID		10.25000	g
03MY10A4D5	28	LX3XF-1-AE	G0D160486-40	10	8290/SOLID	80	10.28000	g
03MY10A4D5	29	SB0503C	Solvent Blank C-14				1.00000	
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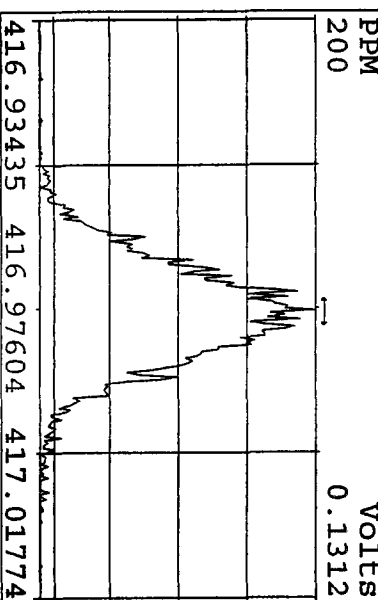
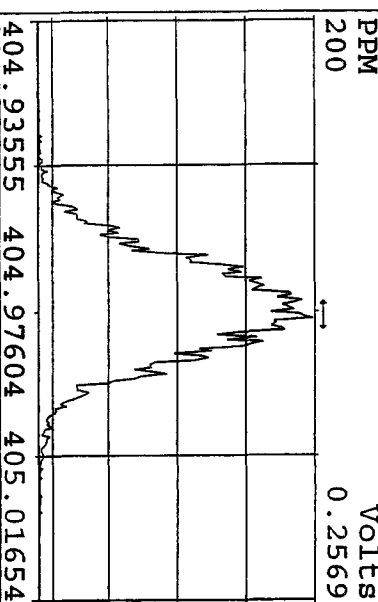
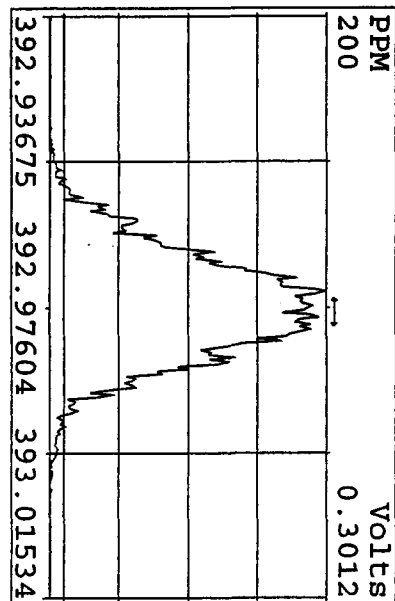
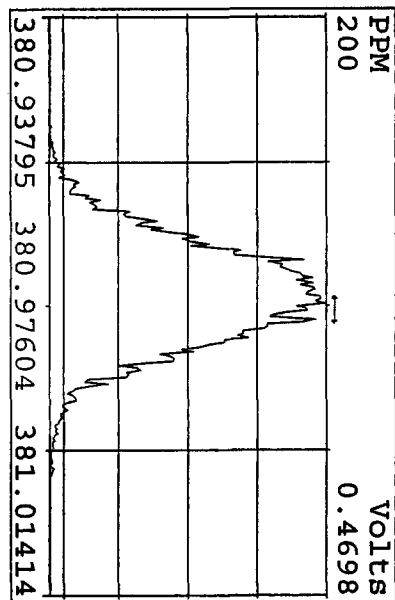
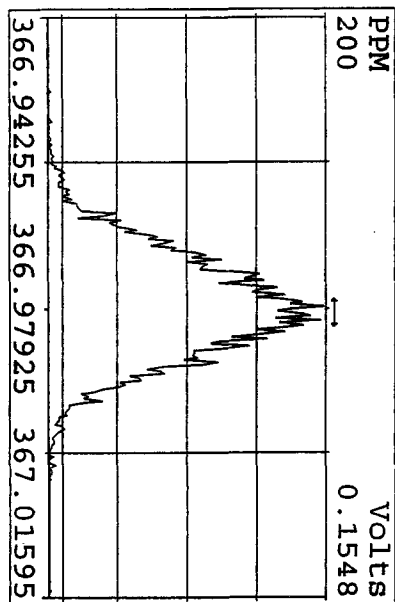
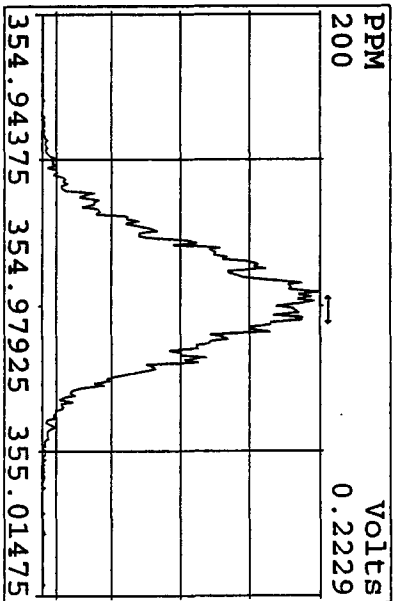
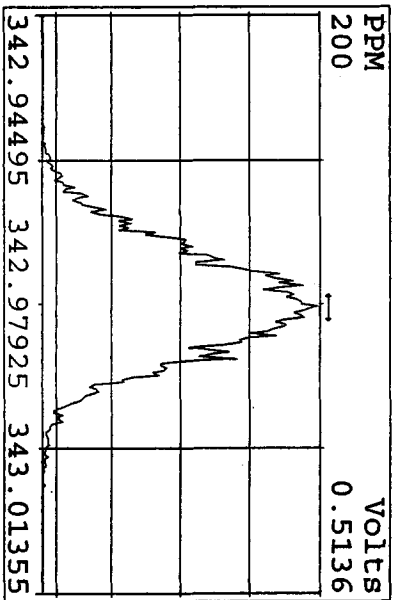
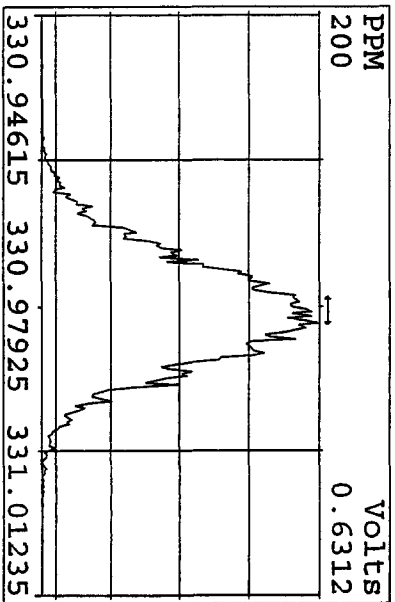
MEO, 05-03-10

log file verified
OK
AS
05/04/10

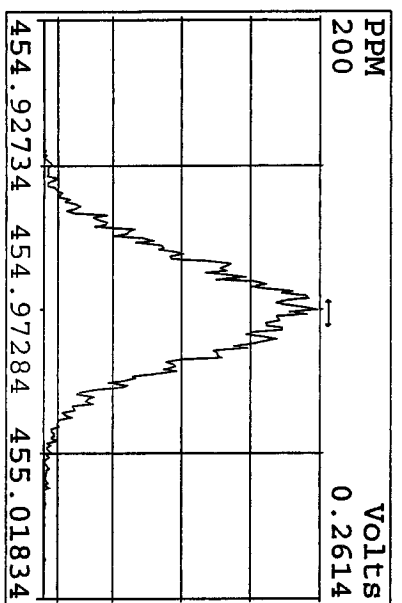
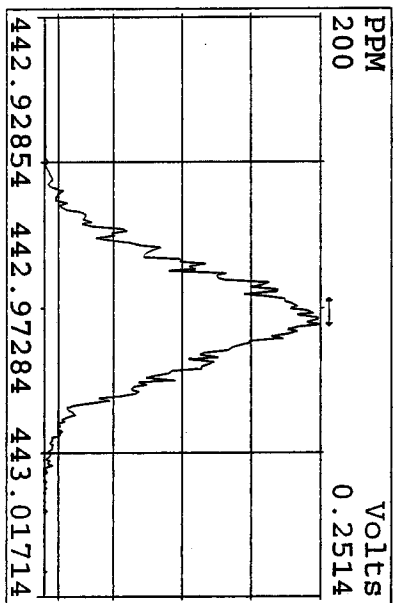
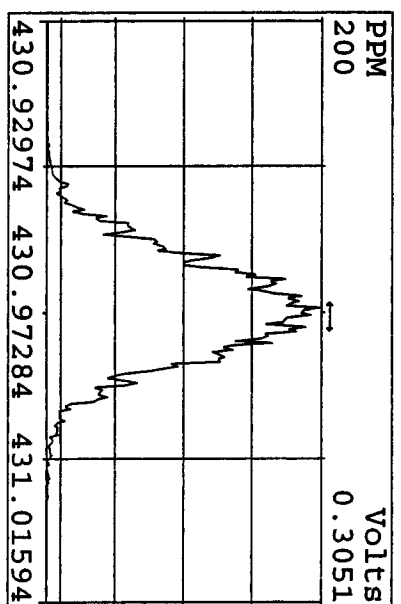
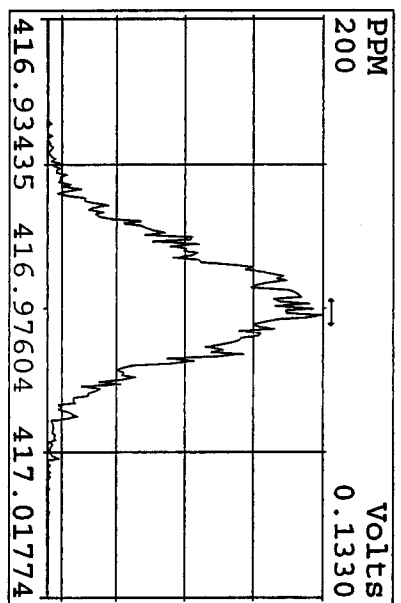
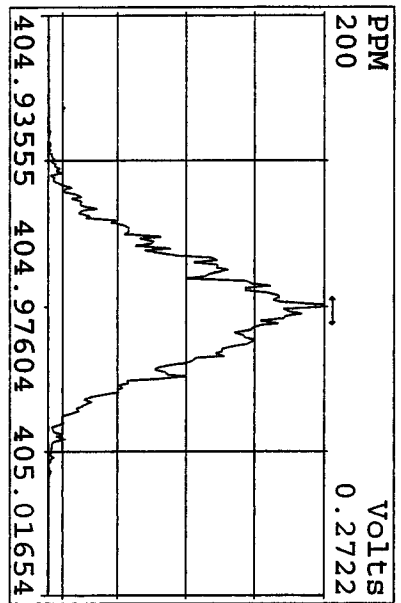
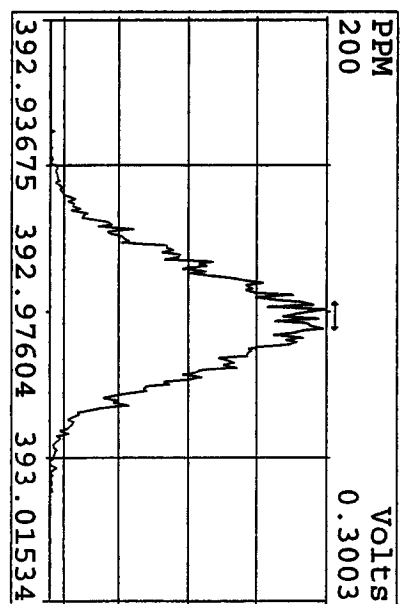
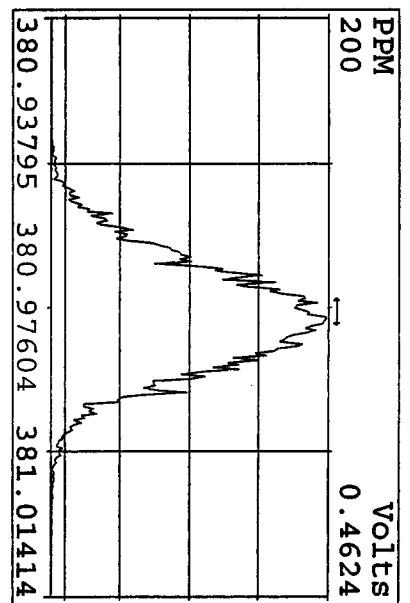
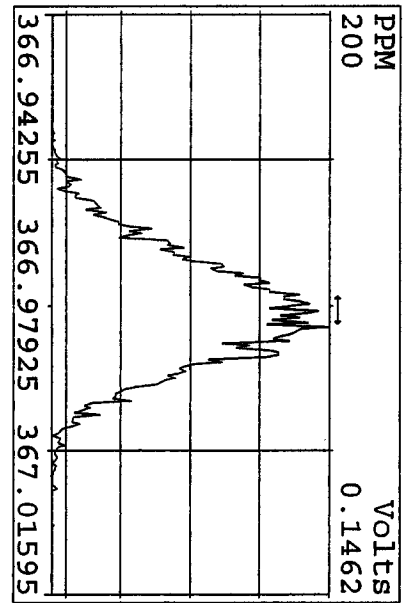
Peak Locate Examination: 3-MAY-2010:11:05 File:03MY10A4D5
Experiment:DIOXINRES8290A Function:1 Reference:PFK



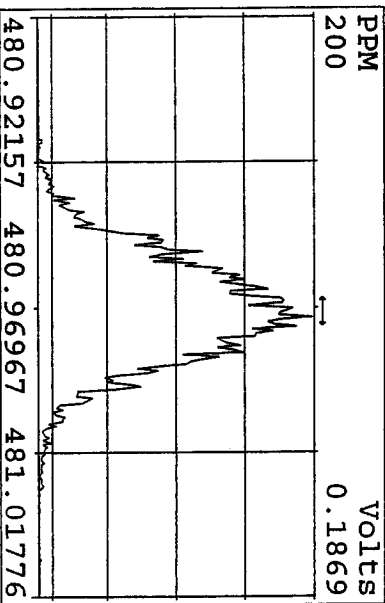
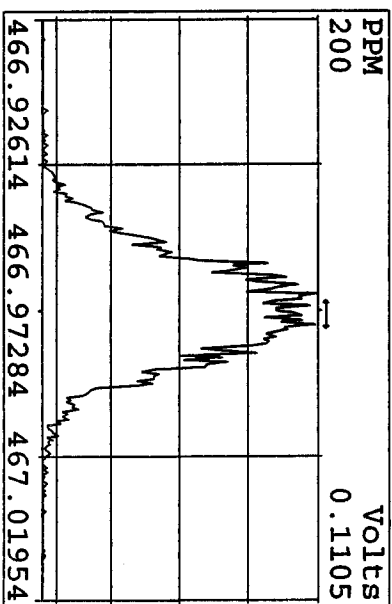
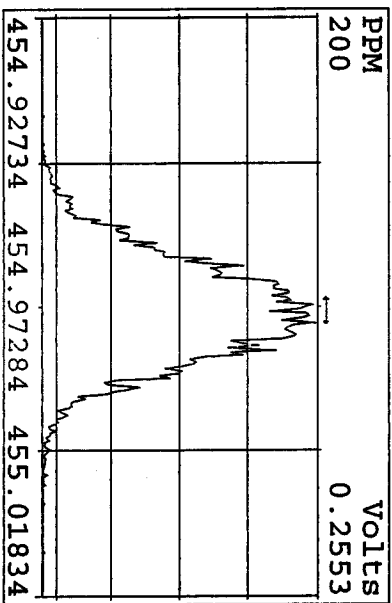
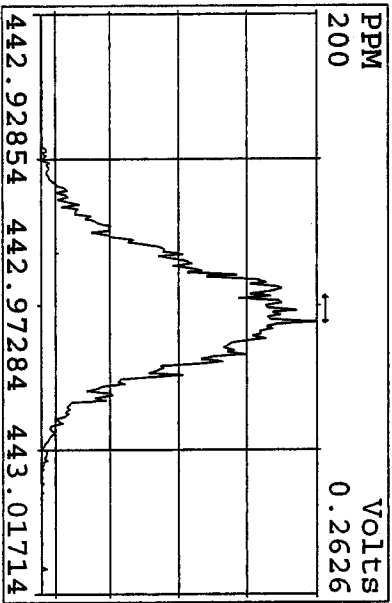
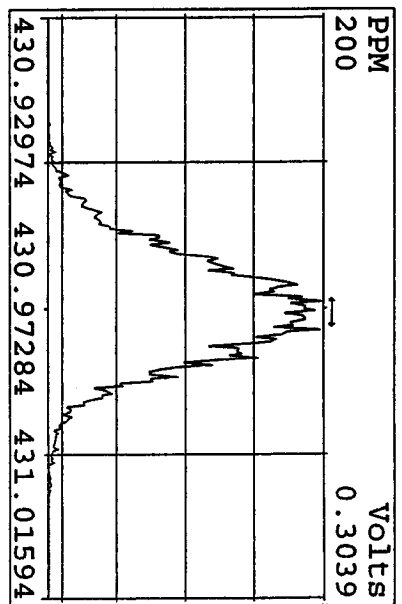
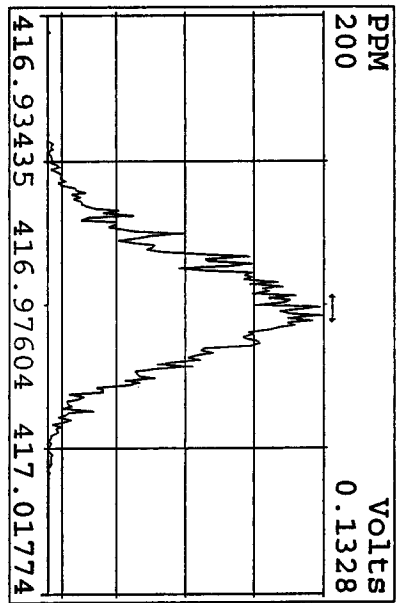
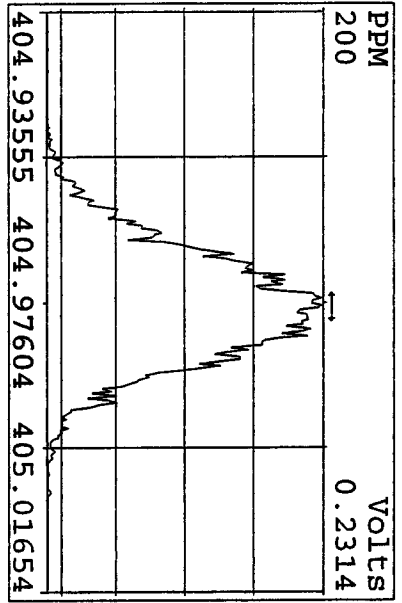
Peak Locate Examination: 3-MAY-2010:11:05 File:03MY10A4D5
 Experiment:DIOXINRES8290A Function:2 Reference:PFK



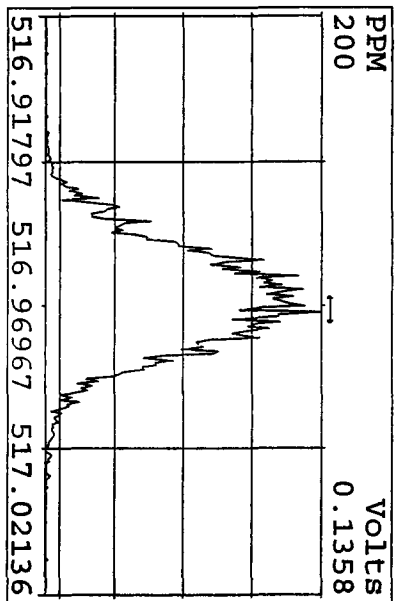
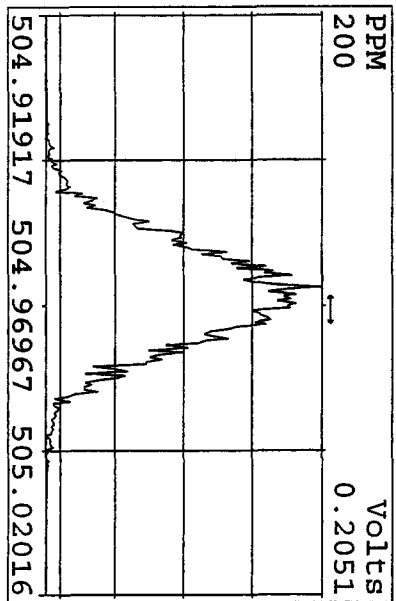
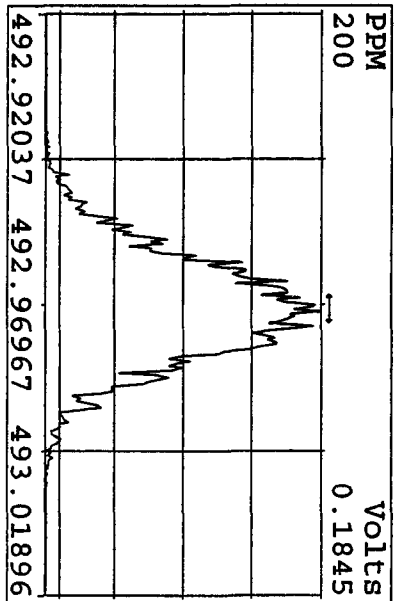
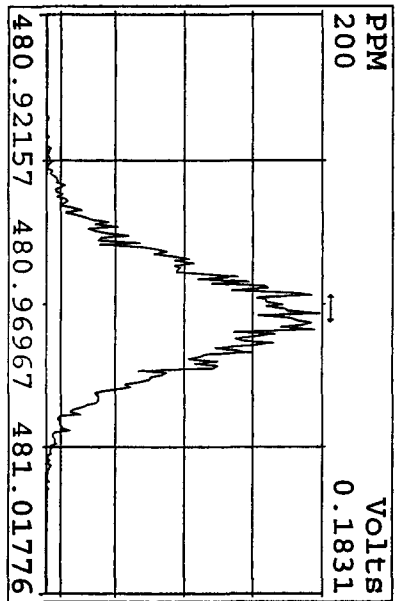
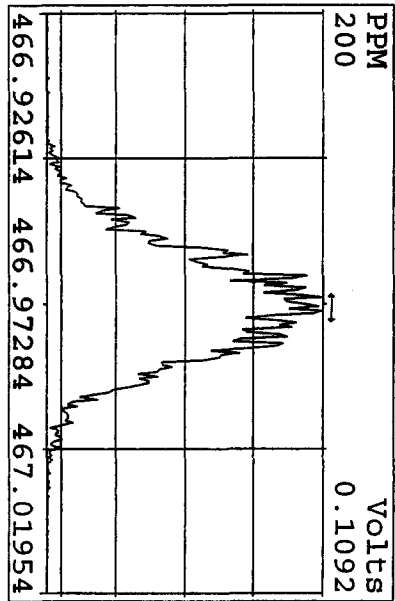
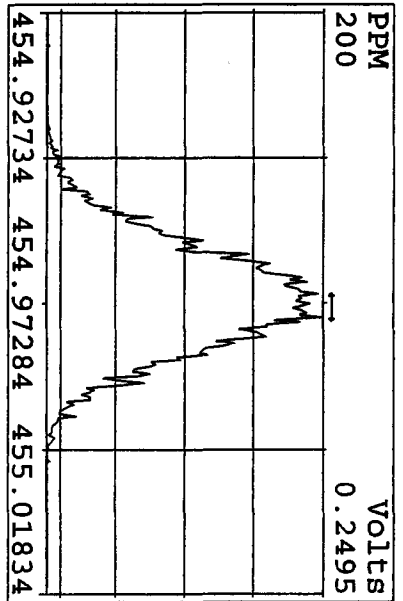
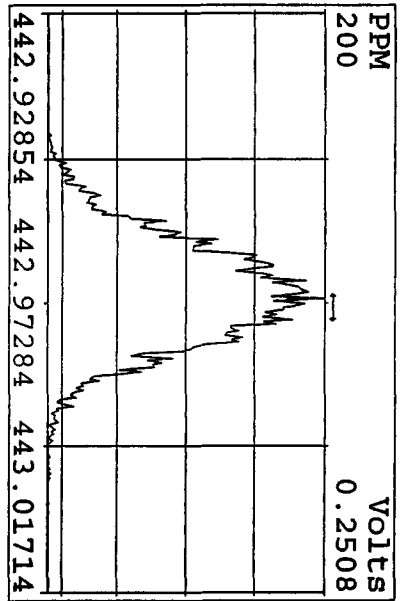
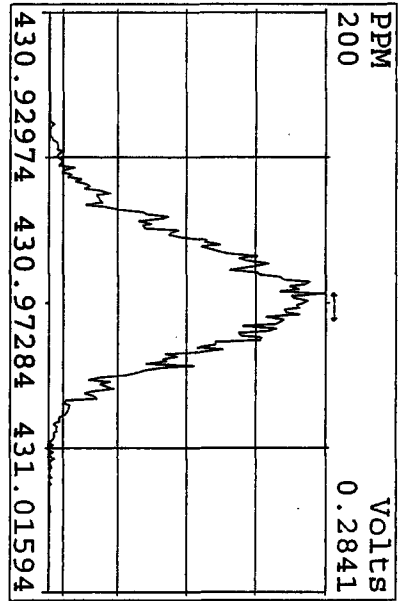
Peak Locate Examination: 3-MAY-2010:11:08 File:03MY10A4D5
 Experiment:DIOXINRES8290A Function:3 Reference:PFK



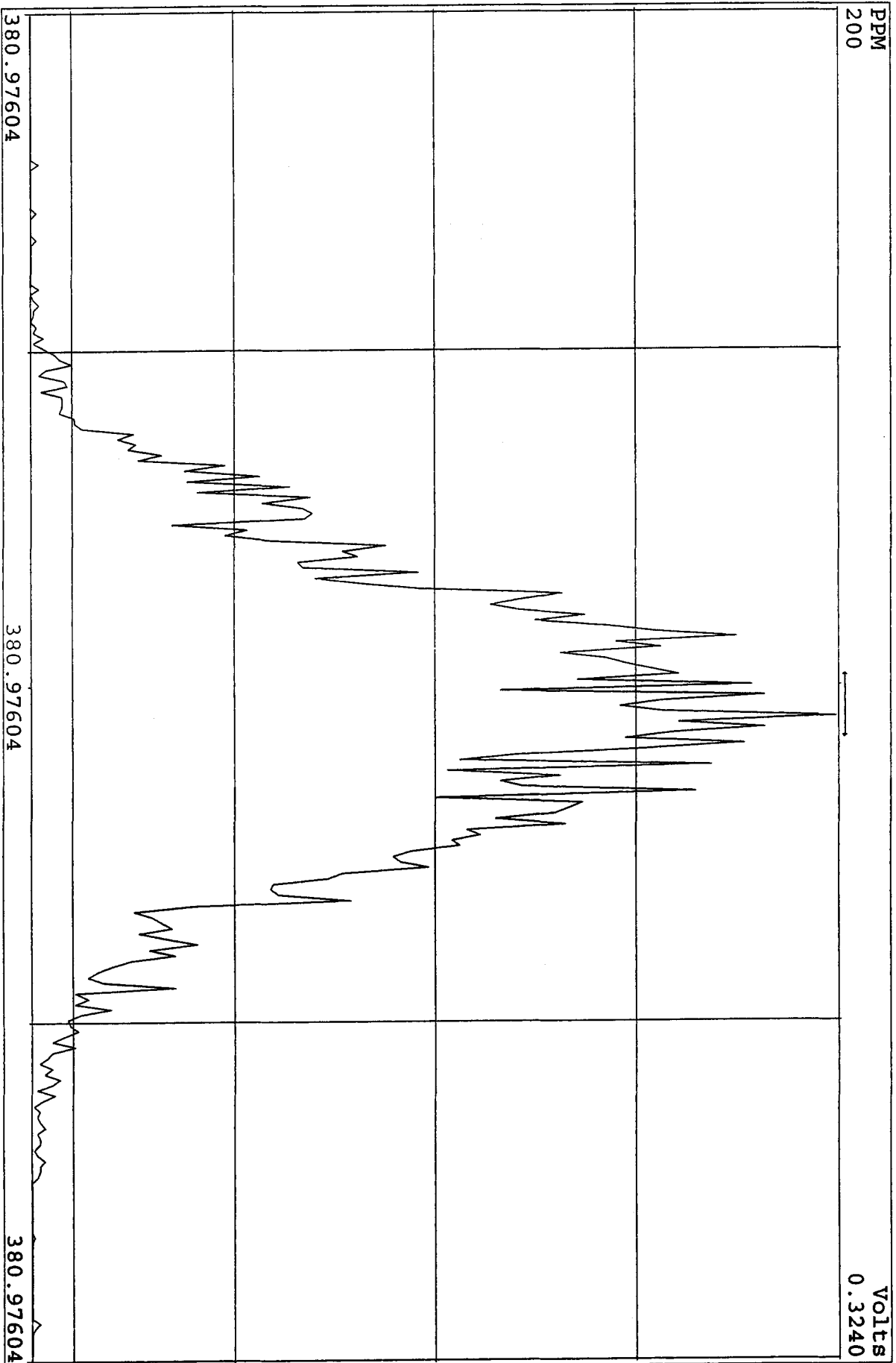
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 Experiment:DIOXINRES8290A Function:4 Reference:PFK



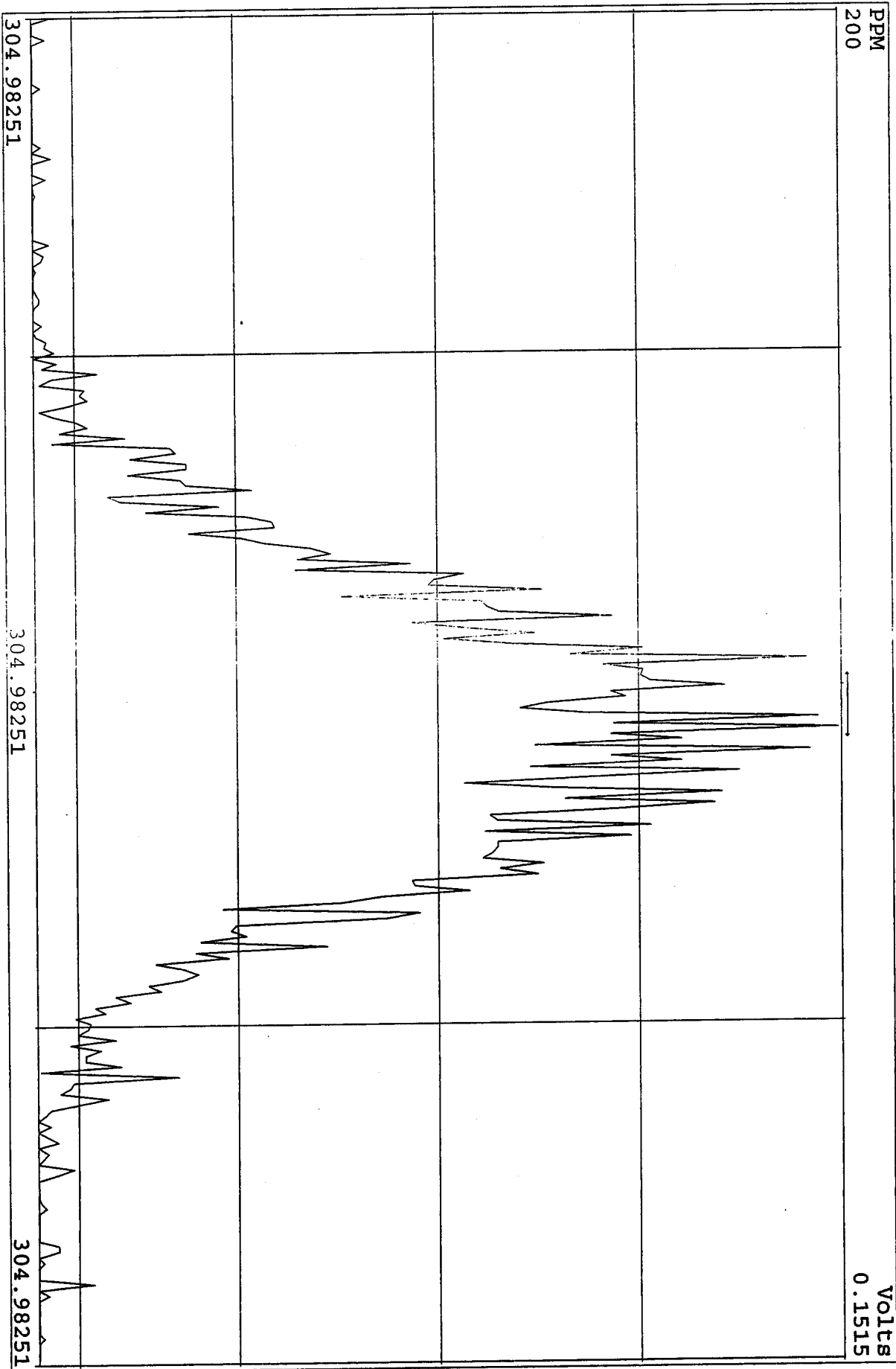
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Experiment:DIOXINRES8290A Function:5 Reference:PFK



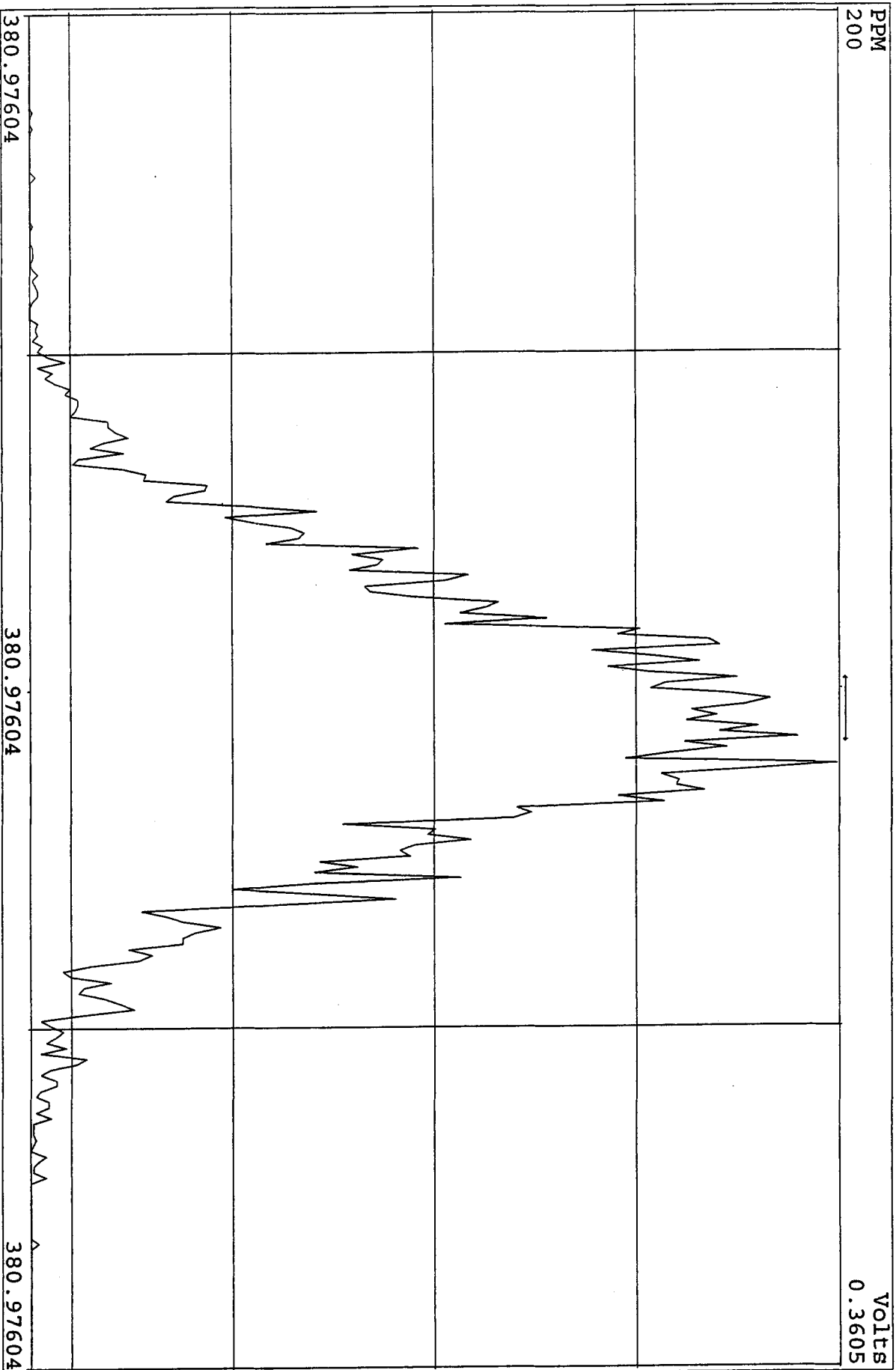
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Experiment: DIOXINRES8290A Function: 6



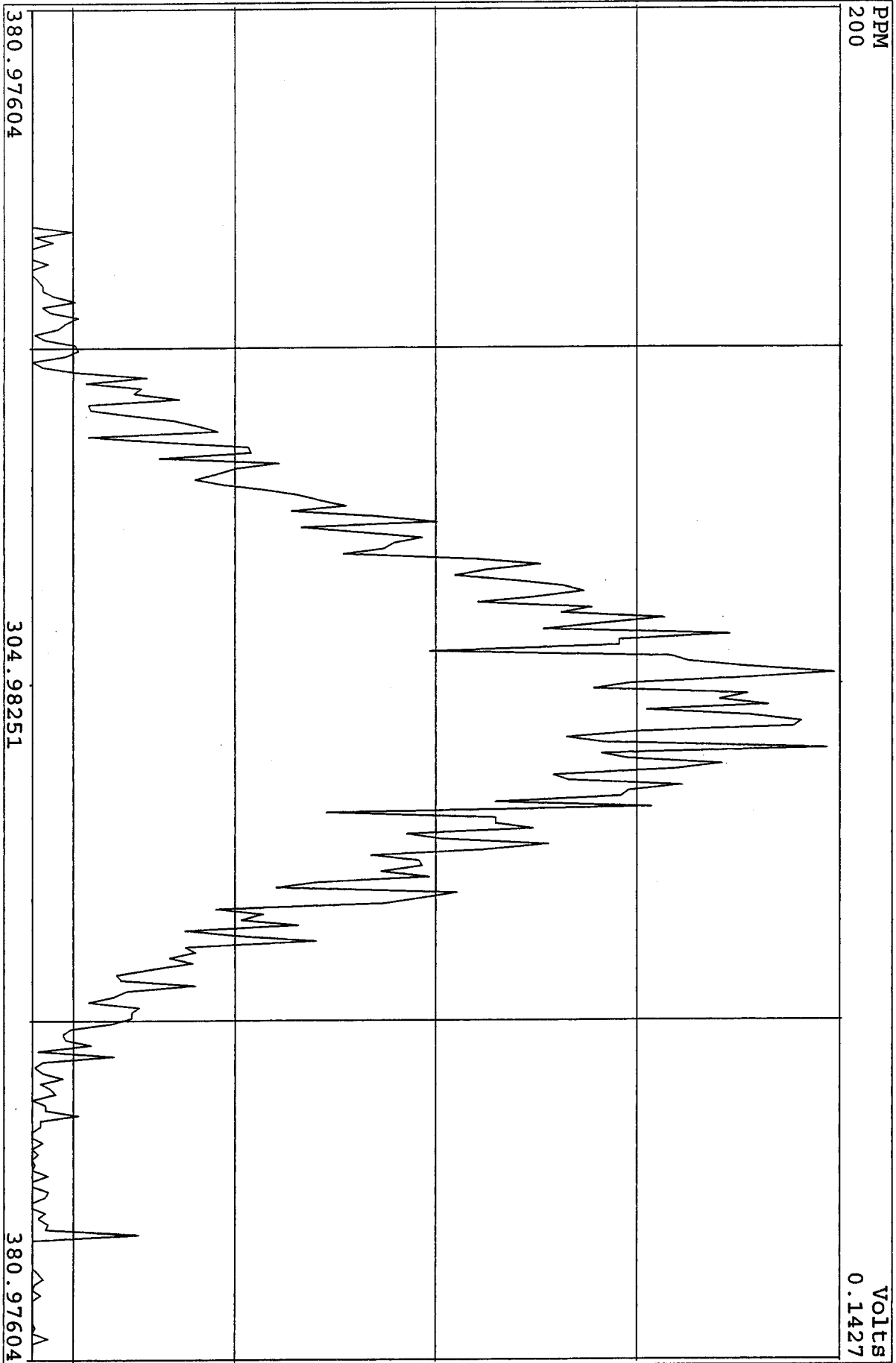
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Experiment: DIOXINRES8290A Function: 7



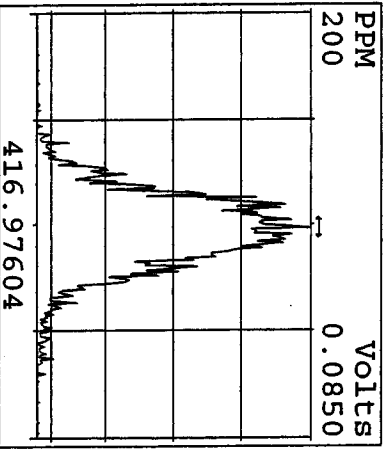
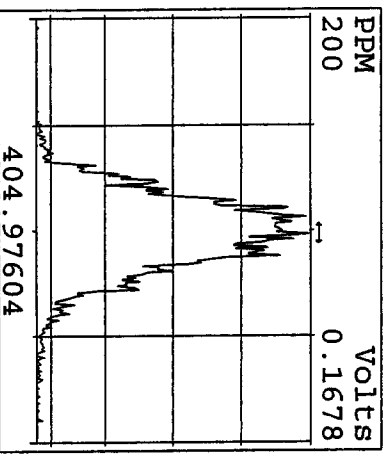
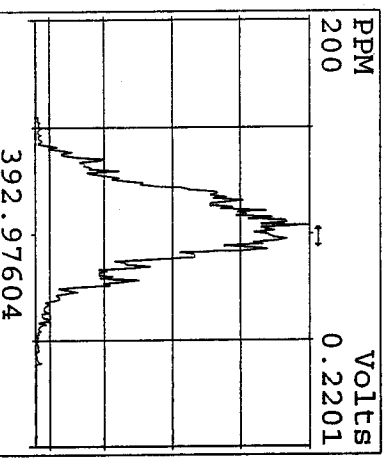
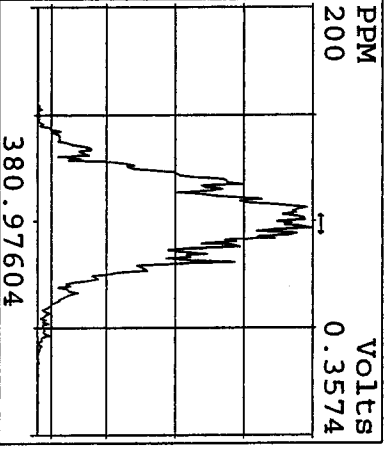
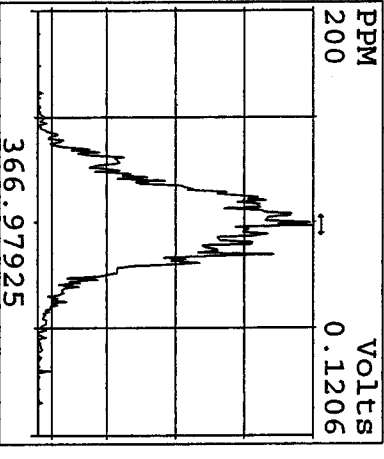
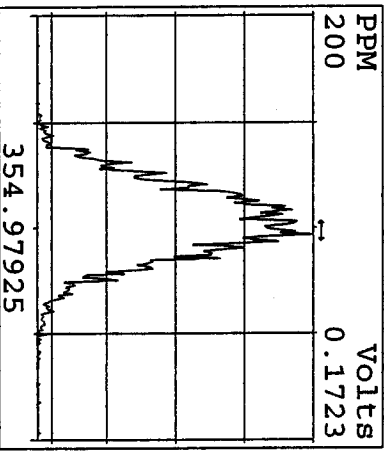
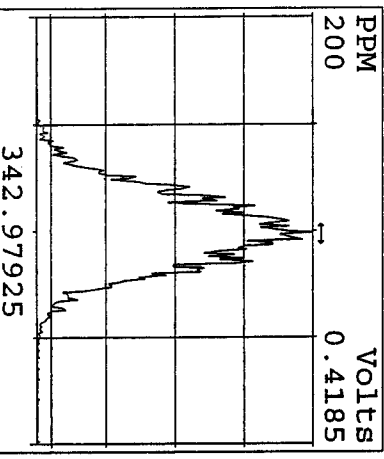
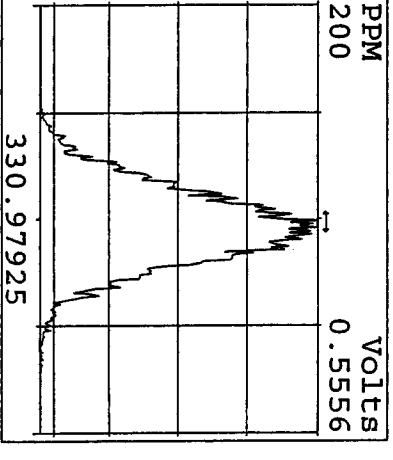
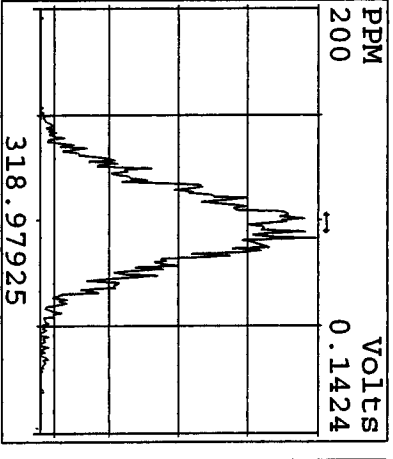
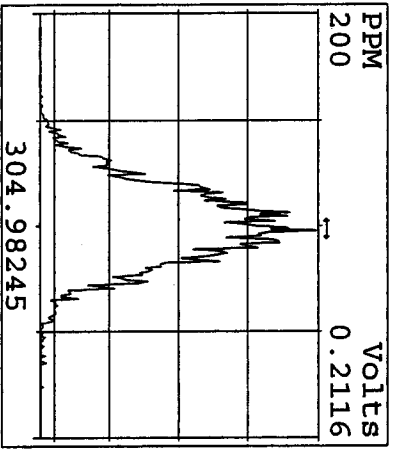
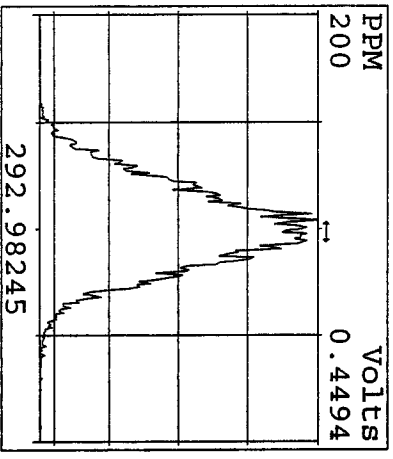
SIRIM Examination: 3-MAY-2010:22:56 File:03MY10A4D5
Experiment:DIOXINRES8290A Function:6



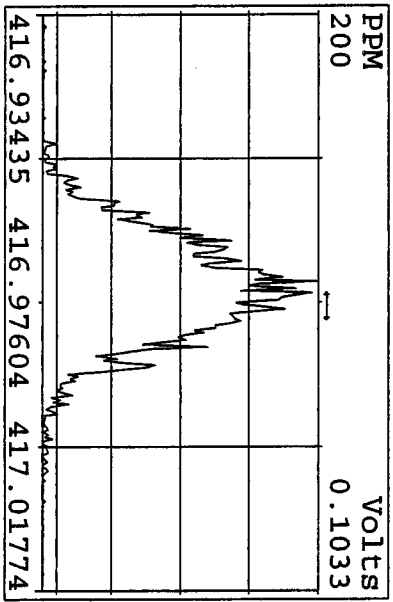
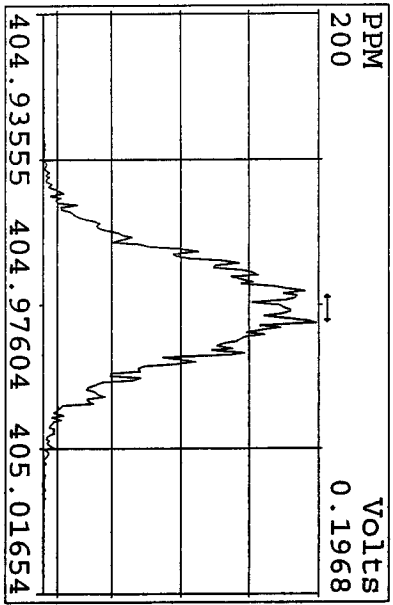
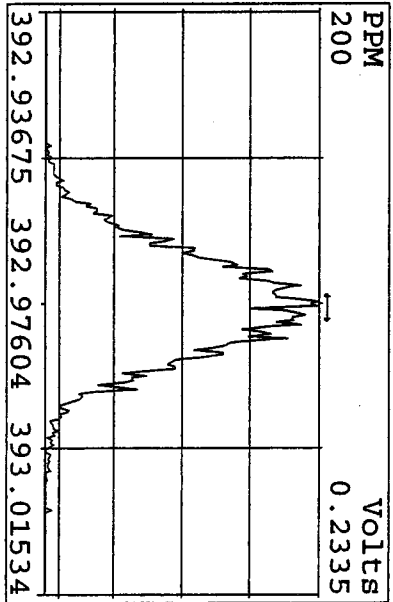
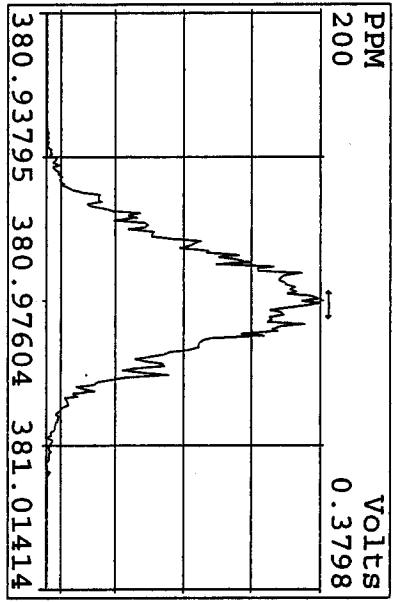
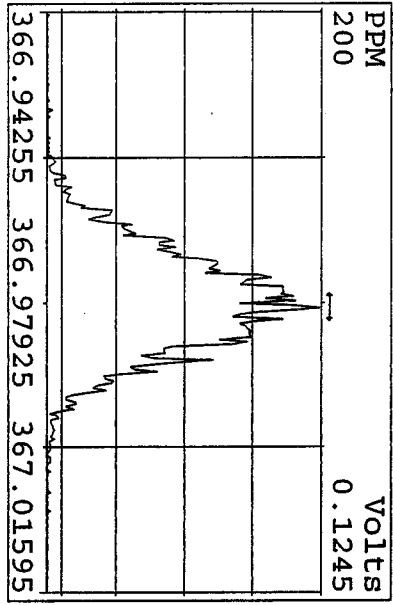
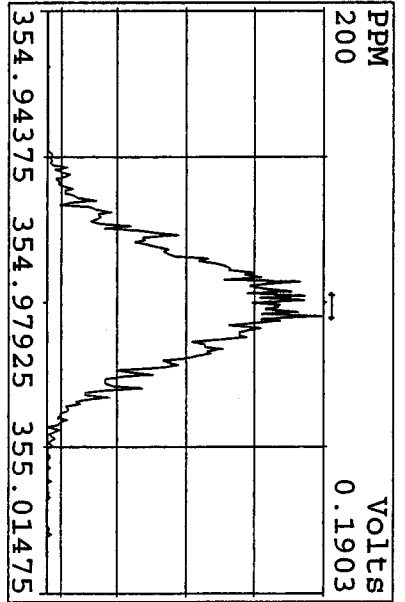
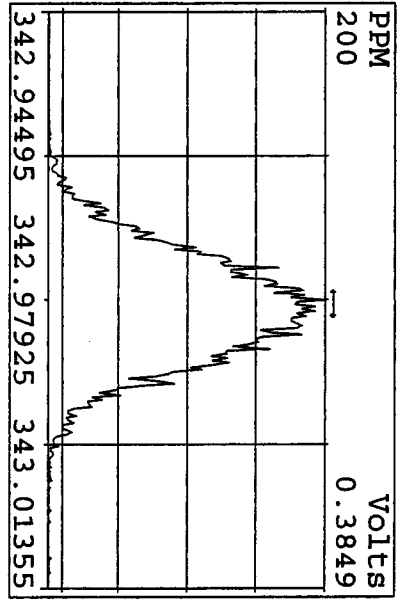
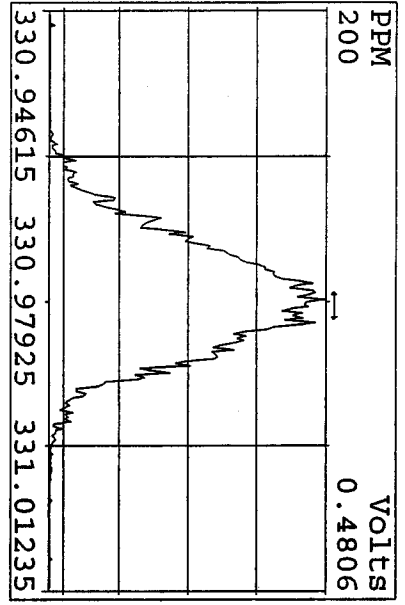
SIRIM Examination: 3-MAY-2010:22:56 File: 03MY10A4D5
Experiment: DIOXINRES8290A Function: 7



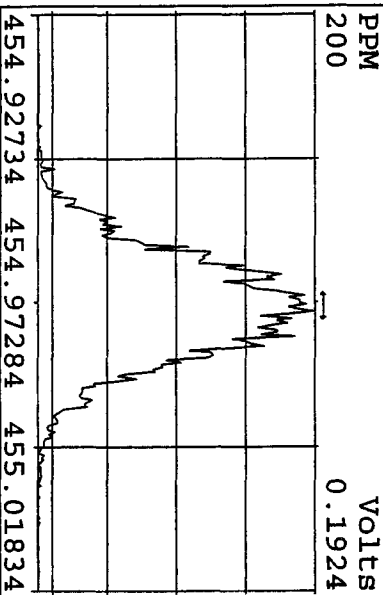
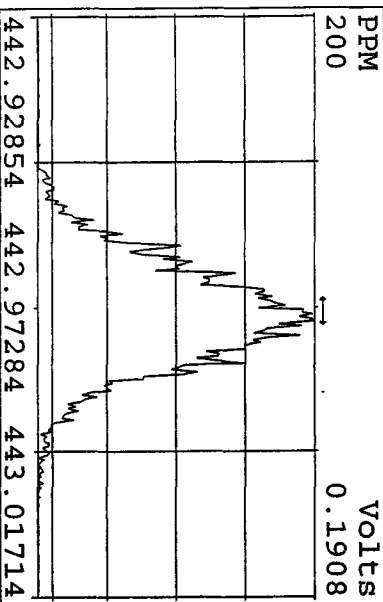
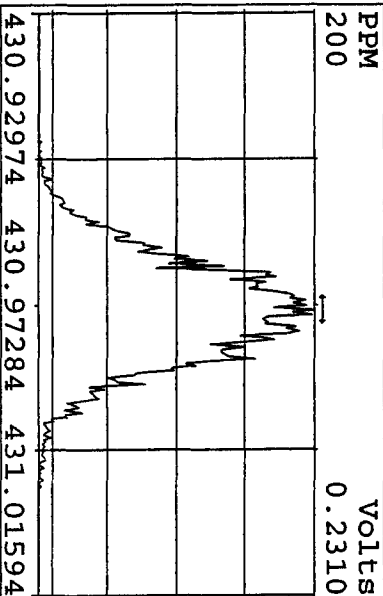
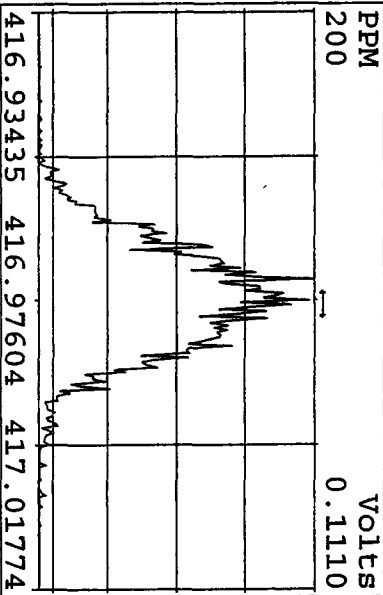
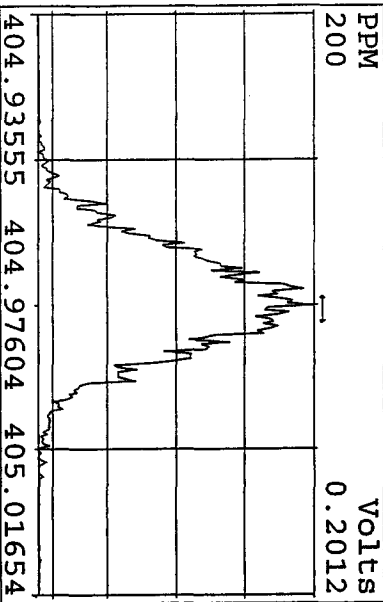
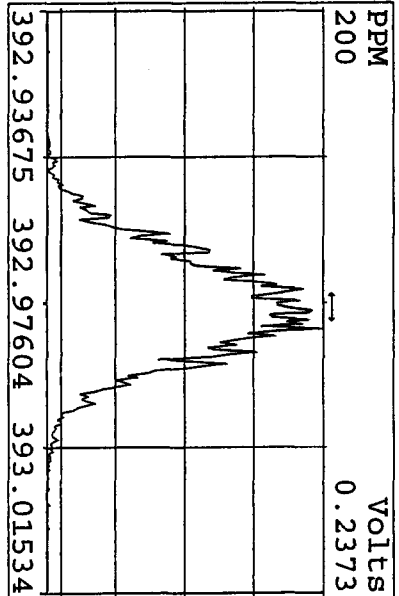
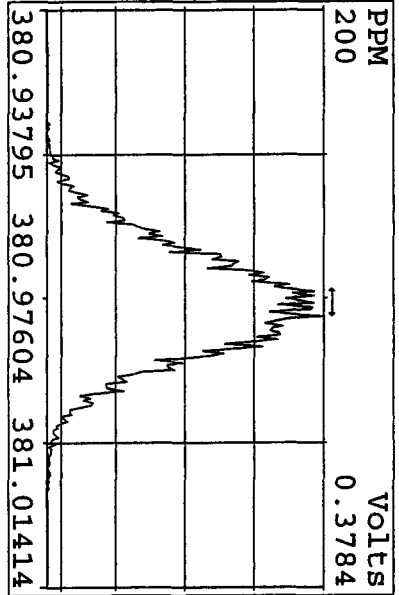
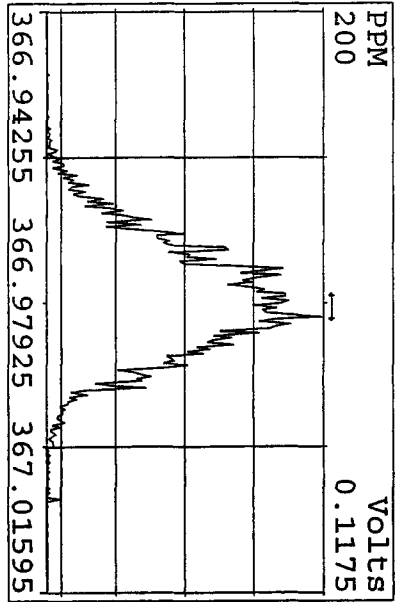
Peak Locate Examination: 4-MAY-2010:10:07 File:03MY10A4D5ENDRES
 Experiment:DIOXINRES8290A Function:1 Reference:PFK



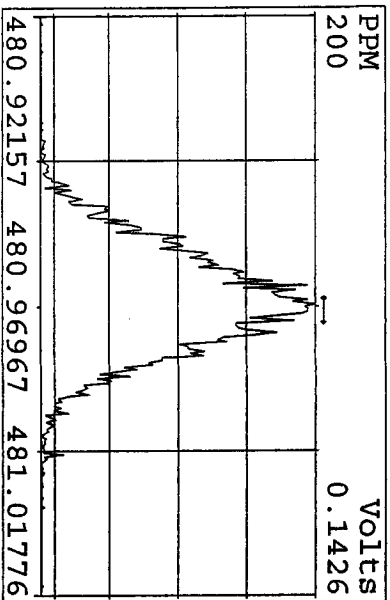
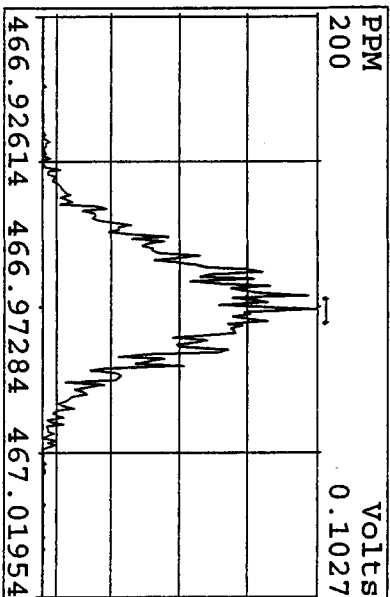
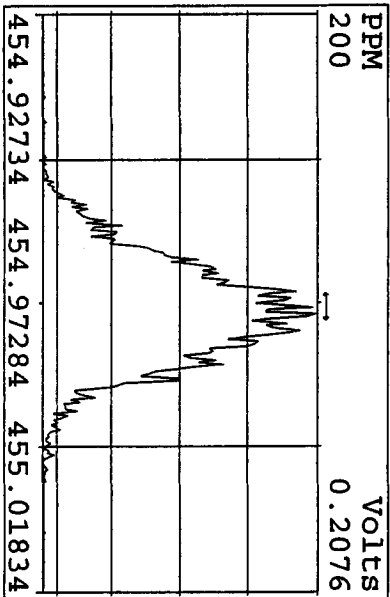
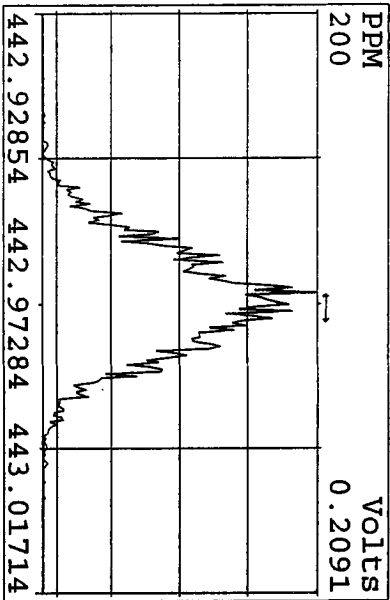
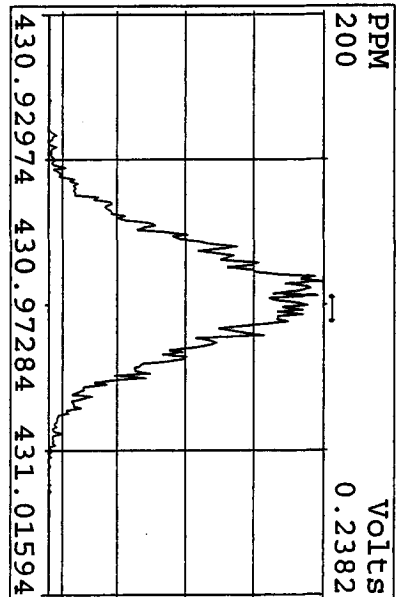
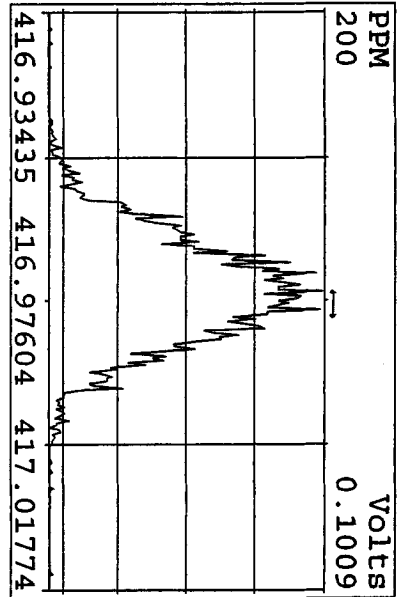
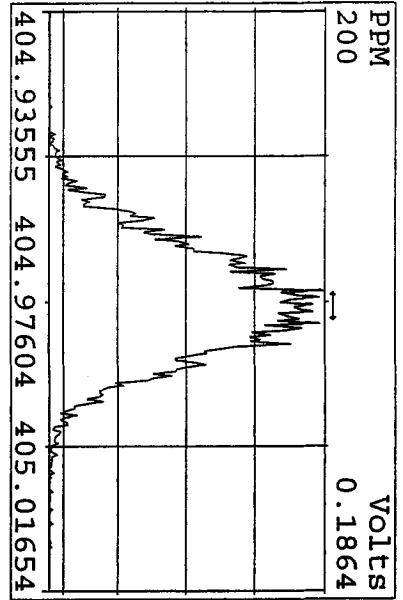
Peak Locate Examination: 4-MAY-2010:10:07 File:03MY10A4D5ENDRES
 Experiment:DIOXINRES8290A Function:2 Reference:PFK



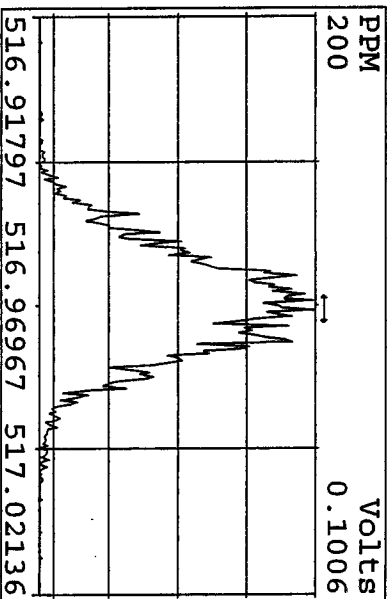
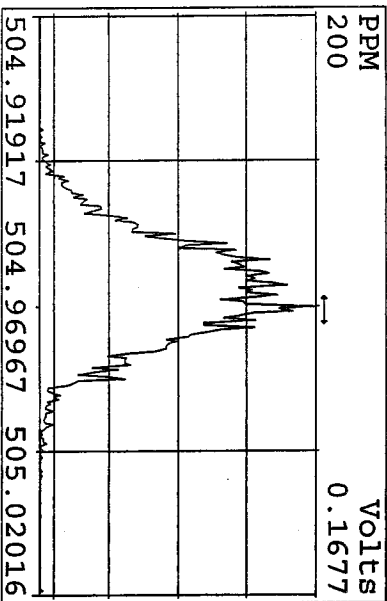
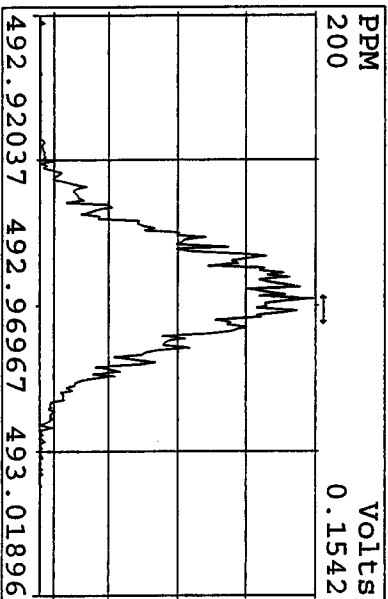
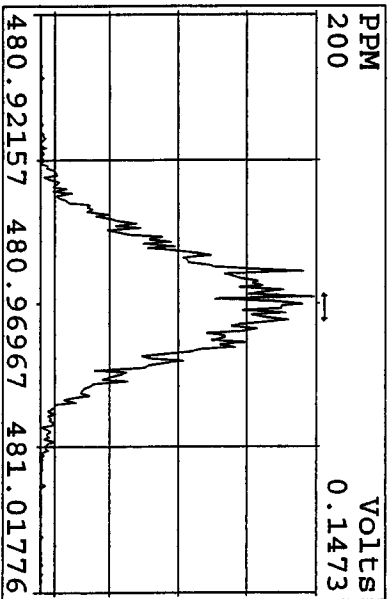
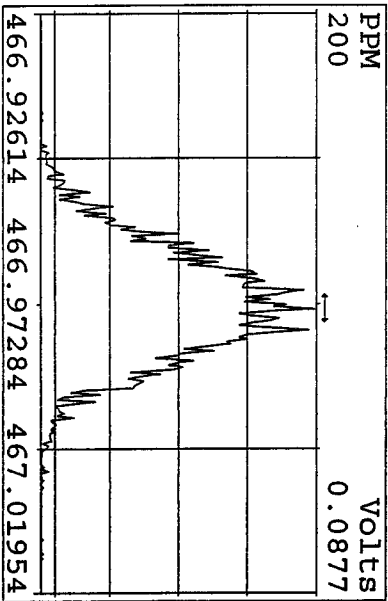
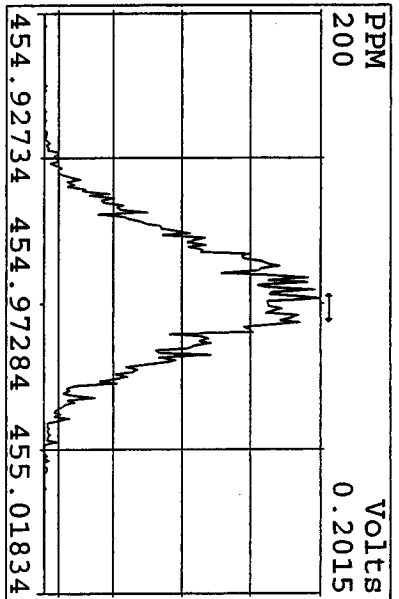
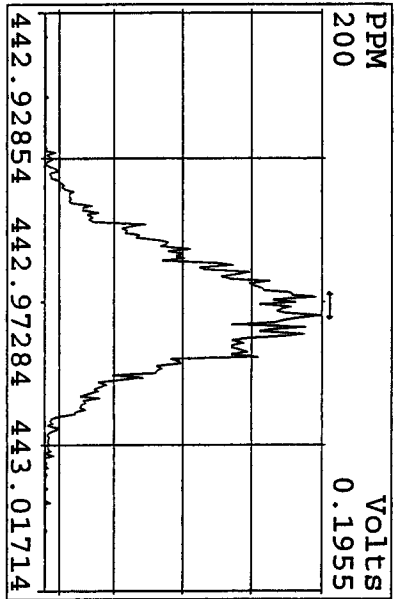
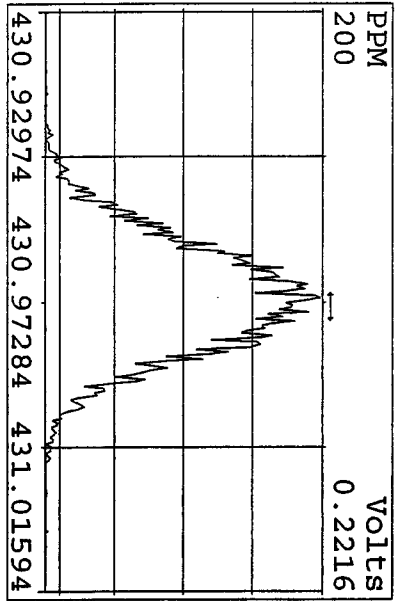
Peak Locate Examination: 4-MAY-2010:10:08 File:03MY10A4D5ENDRES
 Experiment:DIOXINRES8290A Function:3 Reference:PFK



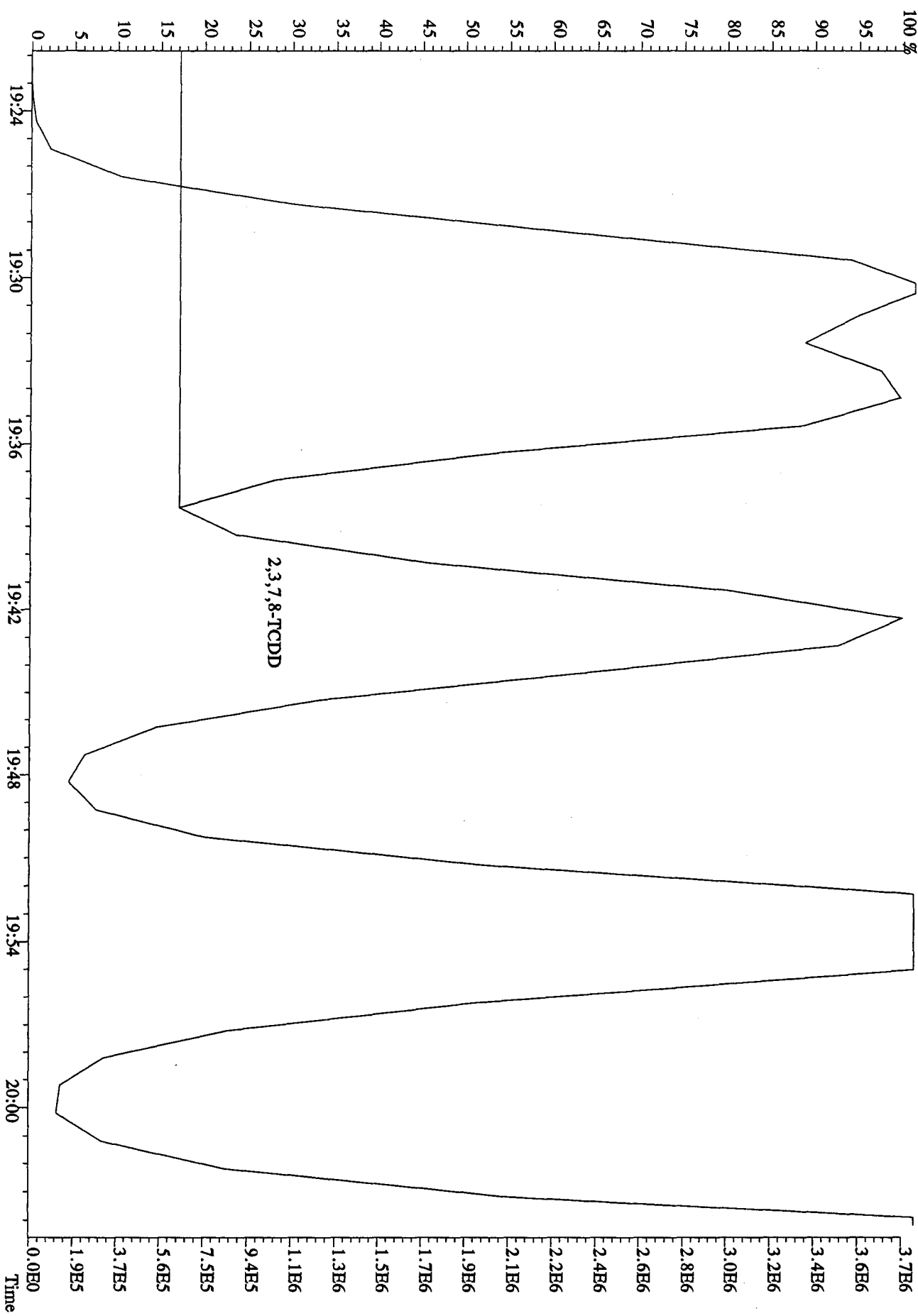
Peak Locate Examination: 4-MAY-2010:10:08 File:03MY10A4D5ENDRES
Experiment:DIOXINRES8290A Function:4 Reference:PFK



Peak Locate Examination: 4-MAY-2010:10:08 File:03MY10A4D5ENDRES
 Experiment:DIOXINRES8290A Function:5 Reference:PFK



File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 11:56:37 GC EI + Voltage SIR Autospec-UltimaE
Sample#2 Text:CP0503 :DB-5 CPM 3732-05 Exp:DIOXINRES8290A
321.8936 S:2 BSUB(128,15,-3.0)



ST0412B :CS-1 09DXN422 ST0412A :CS-2 09DXN423 ST0412 :CS-3 10DXN111
 ST0412D :CS-4 09DXN426 ST0412C :CS-5 09DXN456

12AP104D5 12AP104D5 12AP104D5 12AP104D5 12AP104D5

13C-1,2,3,4-TCDD
 Name Mean S. D. %RSD

S4 RRF1 RRF2 RRF3 RRF4 RRF5

13C-2,3,7,8-TCDF 1.521 0.098 6.47 % 1.54 1.47 1.60 1.38 1.62
 2,3,7,8-TCDF 0.945 0.042 4.44 % 0.88 0.94 0.98 0.95 0.98
 Total TCDF 0.945 0.042 4.44 % 0.88 0.94 0.98 0.95 0.98

13C-2,3,7,8-TCDD 0.950 0.080 8.47 % 0.94 0.87 0.95 0.91 1.08
 2,3,7,8-TCDD 1.021 0.031 3.03 % 1.00 0.98 1.04 1.04 1.05
 Total TCDD 1.021 0.031 3.03 % 1.00 0.98 1.04 1.04 1.05

37C1-2,3,7,8-TCDD 2.261 0.218 9.64 % 2.41 2.04 2.16 2.14 2.56

13C-1,2,3,7,8-PeCDF 1.050 0.149 14.1 % 0.97 0.97 1.01 0.98 1.31
 1,2,3,7,8-PeCDF 1.045 0.049 4.68 % 0.97 1.02 1.09 1.09 1.06
 2,3,4,7,8-PeCDF 0.982 0.045 4.55 % 0.93 0.97 1.03 1.02 0.96
 Total F2 PeCDF 1.013 0.046 4.50 % 0.95 0.99 1.06 1.05 1.01
 Total F1 PeCDF 1.013 0.046 4.50 % 0.95 0.99 1.06 1.05 1.01

13C-1,2,3,7,8-PeCDD 0.670 0.094 14.0 % 0.61 0.65 0.62 0.64 0.84
 1,2,3,7,8-PeCDD 0.982 0.047 4.75 % 0.94 0.93 1.04 1.01 0.99
 Total PeCDD 0.982 0.047 4.75 % 0.94 0.93 1.04 1.01 0.99

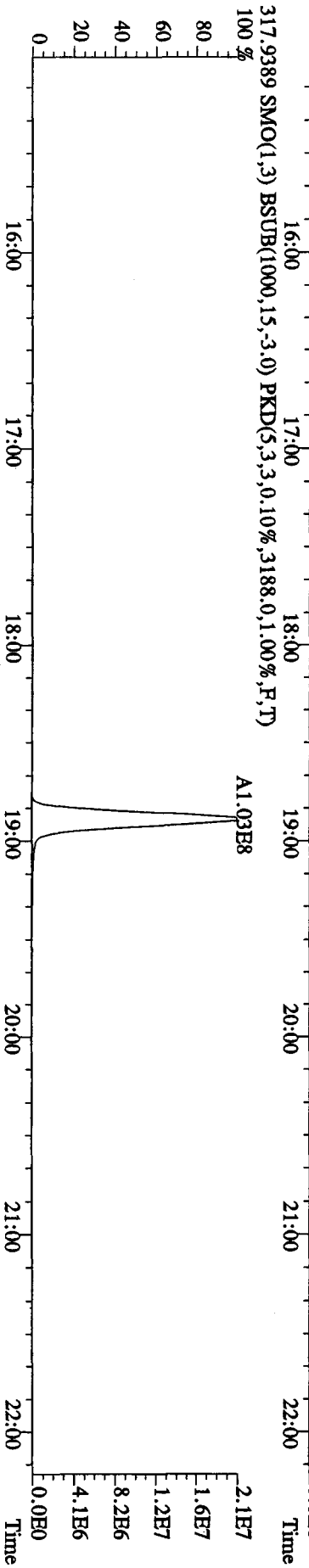
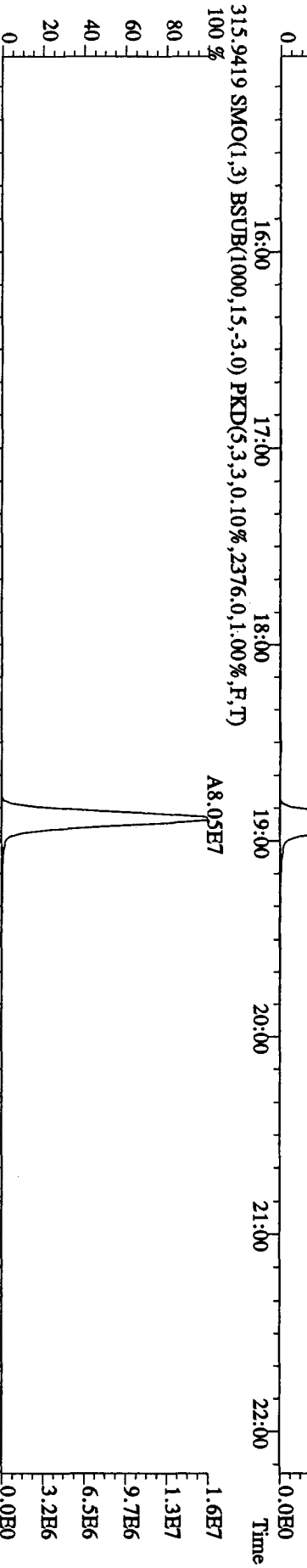
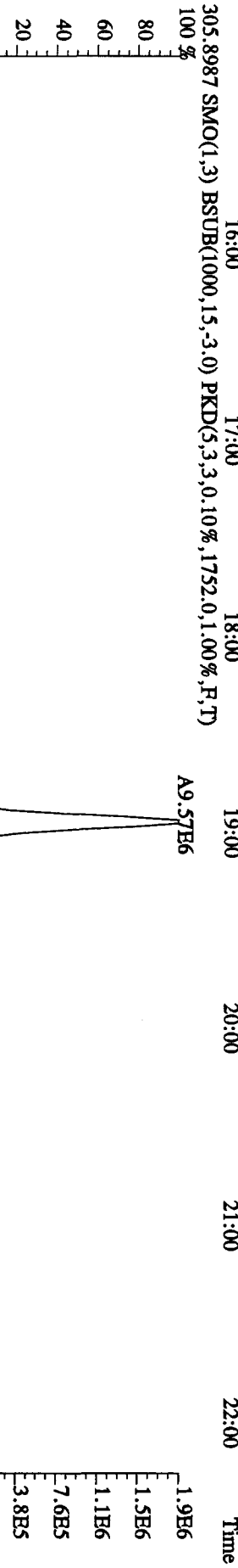
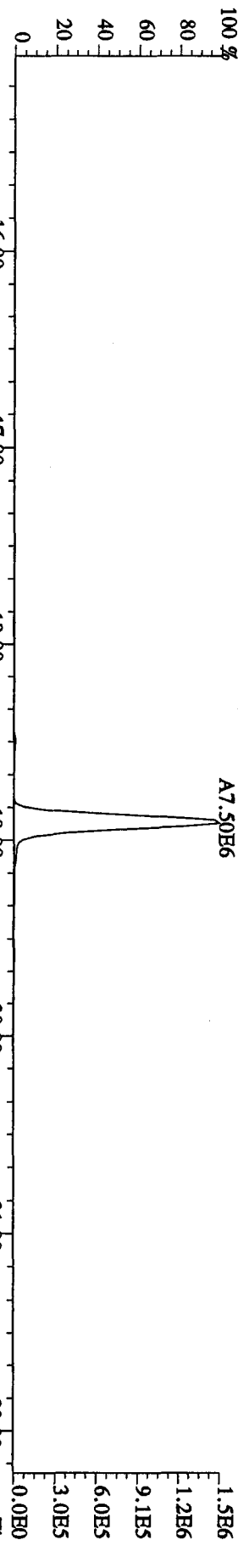
13C-1,2,3,7,8-HxCDD - - - % - - - - -

13C-1,2,3,4,7,8-HxCDF 1.025 0.075 7.29 % 1.08 0.98 1.08 0.92 1.06
 1,2,3,4,7,8-HxCDF 1.213 0.061 5.00 % 1.12 1.18 1.25 1.28 1.23
 1,2,3,6,7,8-HxCDF 1.343 0.096 7.13 % 1.20 1.34 1.46 1.38 1.33
 2,3,4,6,7,8-HxCDF 1.222 0.064 5.27 % 1.13 1.19 1.29 1.26 1.23
 1,2,3,7,8,9-HxCDF 1.092 0.072 6.60 % 1.02 1.02 1.15 1.17 1.10
 Total HxCDF 1.218 0.070 5.72 % 1.12 1.18 1.29 1.27 1.22

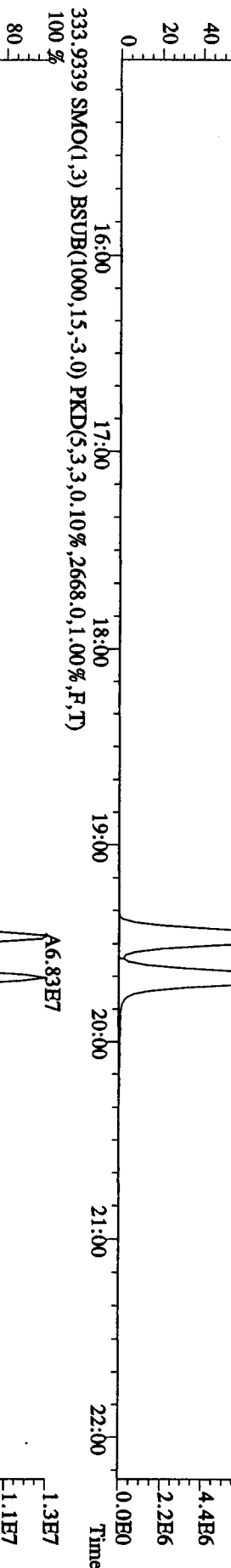
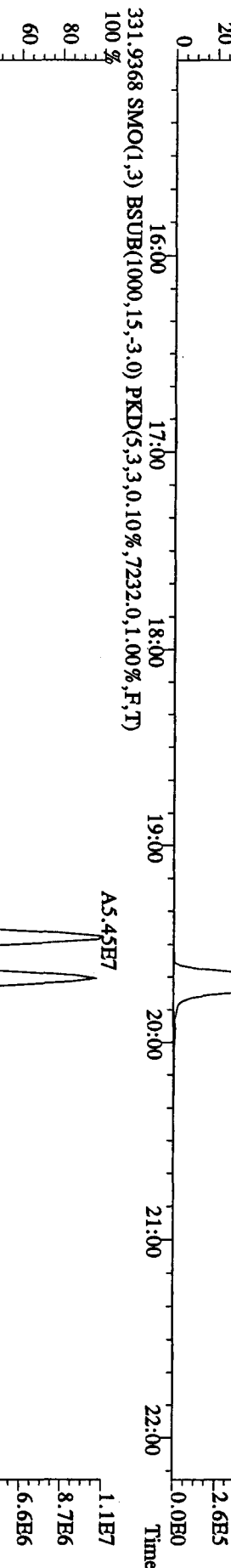
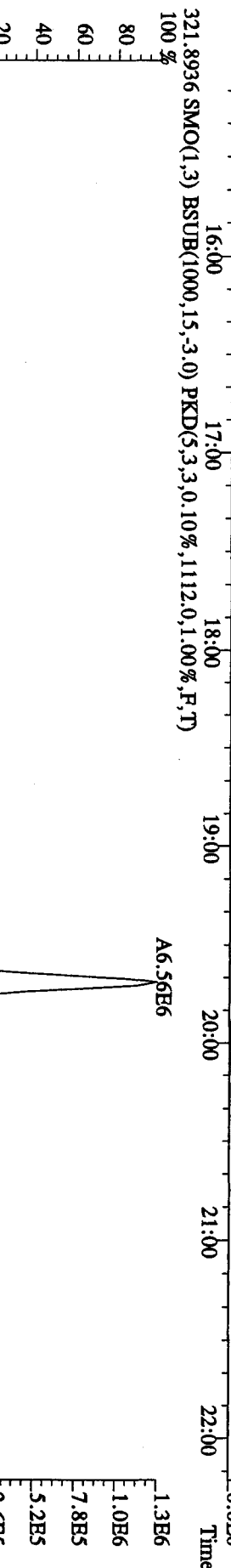
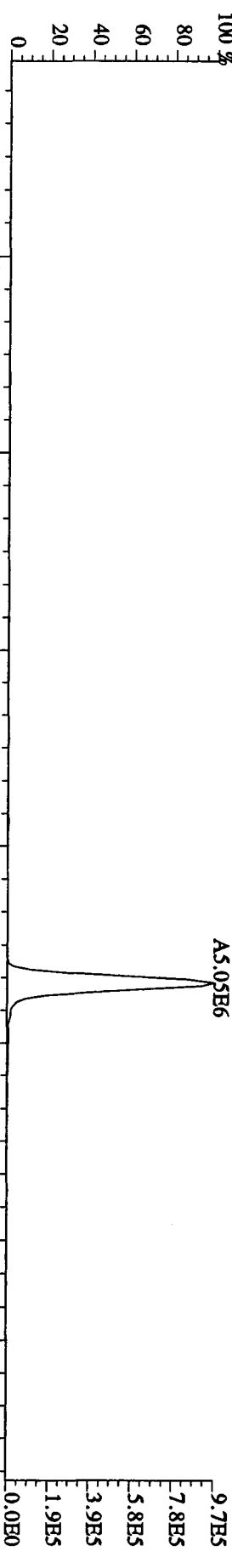
13C-1,2,3,6,7,8-HxCDD 0.807 0.060 7.46 % 0.81 0.77 0.86 0.72 0.87
 1,2,3,4,7,8-HxCDD 1.007 0.056 5.54 % 0.93 1.02 1.04 1.07 0.98

1,2,3,6,7,8-HxCDD	1.114	0.059	5.33 %	1.06	1.06	1.19	1.16	1.11
1,2,3,7,8,9-HxCDD	1.209	0.083	6.88 %	1.12	1.17	1.22	1.34	1.19
Total HxCDD	1.110	0.061	5.46 %	1.04	1.08	1.15	1.19	1.09
13C-1,2,3,4,6,7,8-HpCDF	0.863	0.061	7.10 %	0.87	0.82	0.95	0.79	0.88
1,2,3,4,6,7,8-HpCDF	1.310	0.072	5.52 %	1.20	1.28	1.39	1.36	1.32
1,2,3,4,7,8,9-HpCDF	1.026	0.053	5.19 %	0.95	1.00	1.09	1.06	1.03
Total HpCDF	1.168	0.063	5.36 %	1.08	1.14	1.24	1.21	1.18
13C-1,2,3,4,6,7,8-HpCDD	0.697	0.052	7.39 %	0.71	0.67	0.77	0.64	0.71
1,2,3,4,6,7,8-HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
Total HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
13C-OCDD	0.531	0.041	7.69 %	0.53	0.49	0.58	0.49	0.57
OCDF	1.445	0.085	5.85 %	1.32	1.39	1.51	1.50	1.50
OCDD	1.166	0.060	5.16 %	1.08	1.14	1.23	1.21	1.17

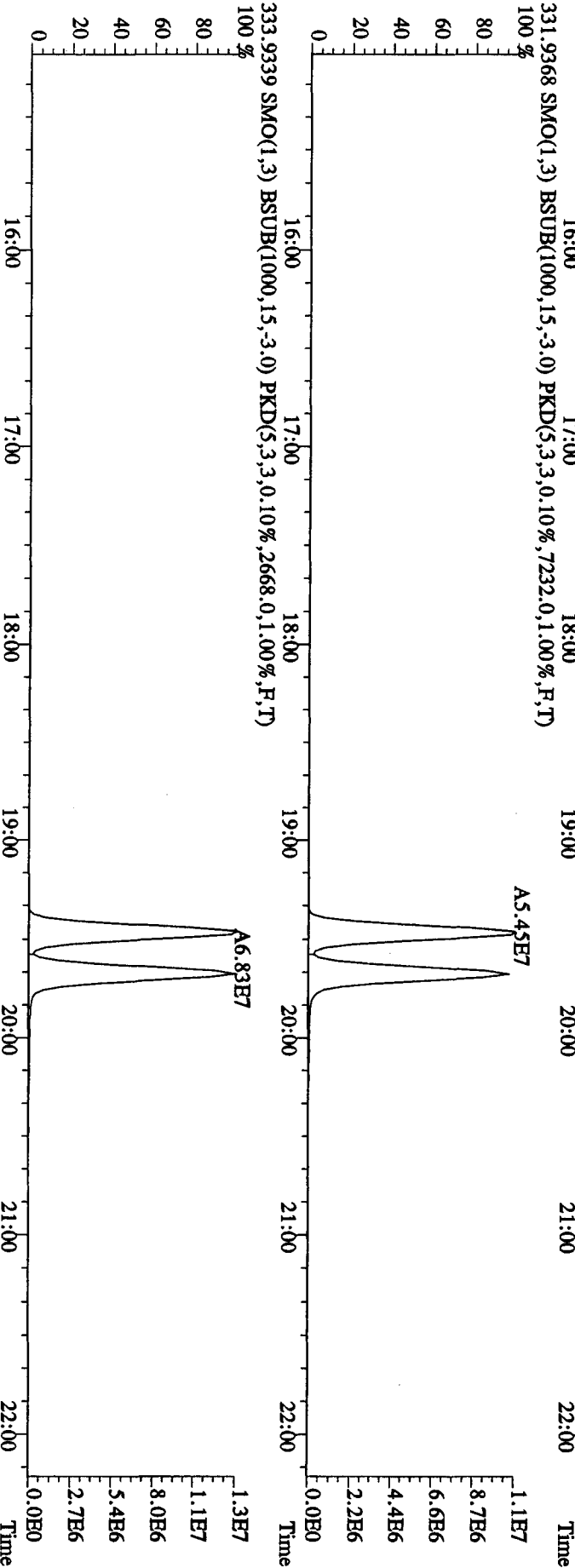
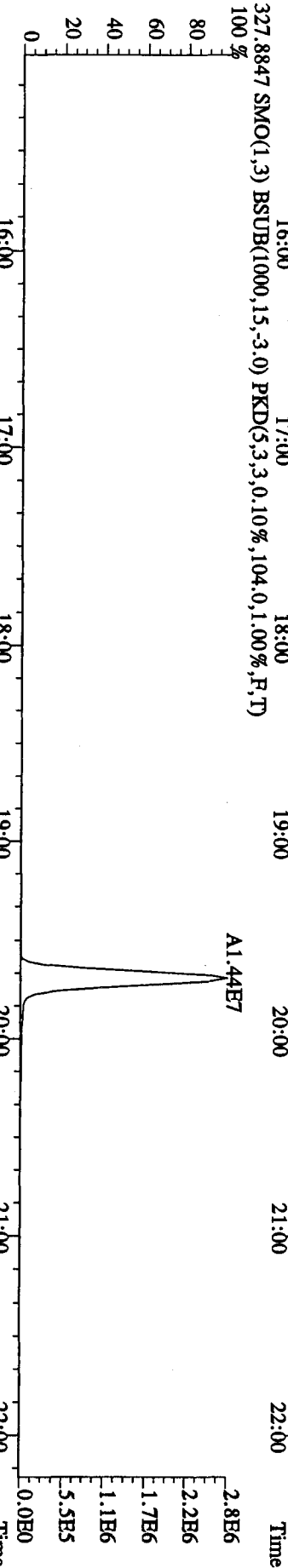
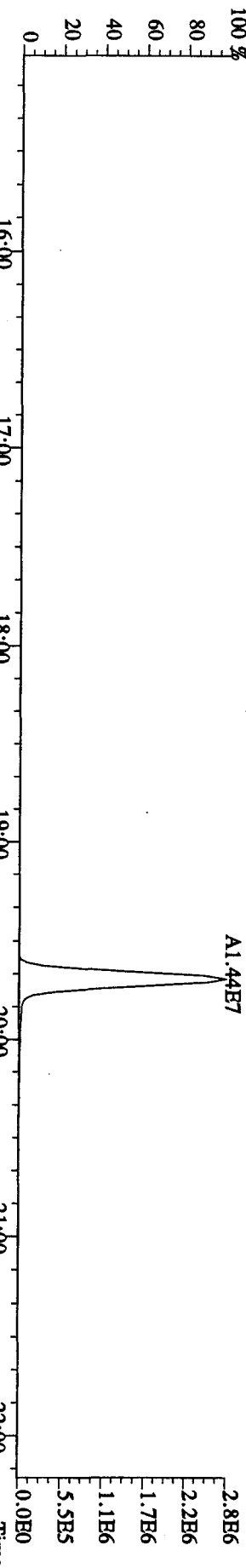
File:03MAY10A4D5 #1-435 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#1 Text:ST0503 :CS3 10DXN083 Exp:DIOXINRES8290A
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104.0,1.00%,F,T)
 100 %



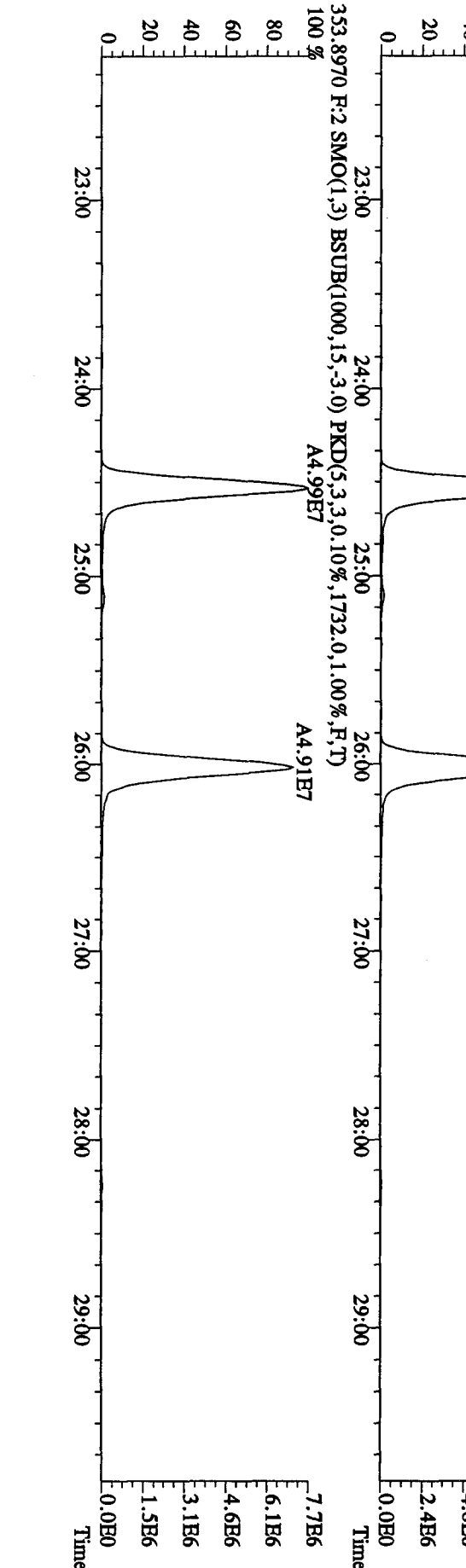
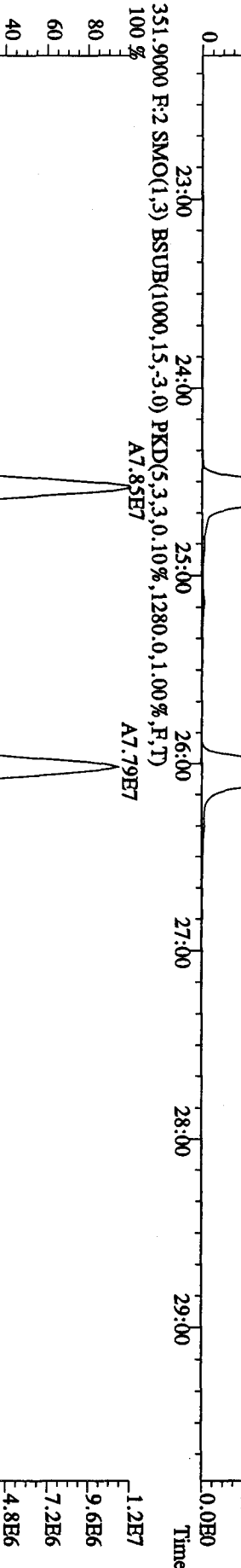
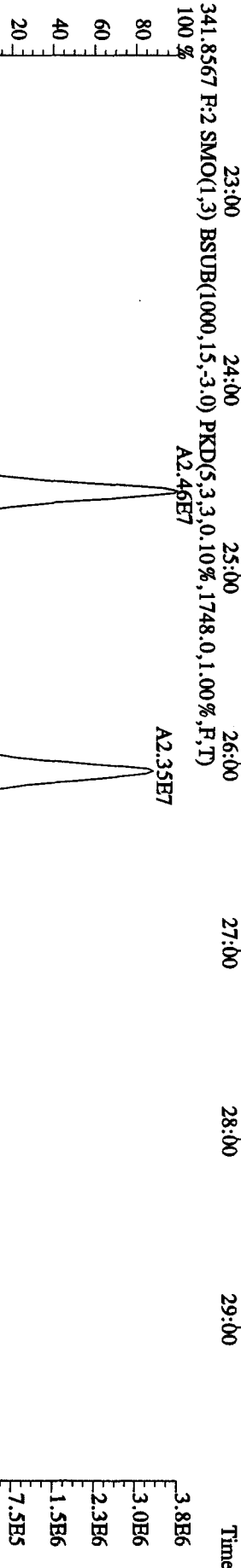
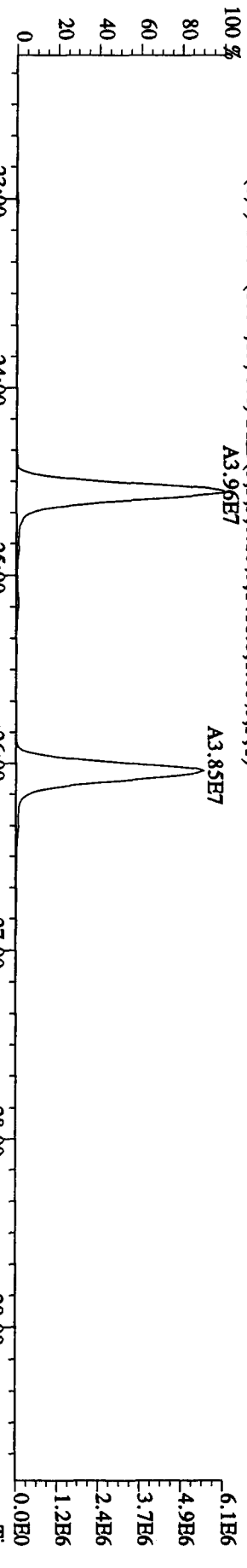
File:03MAY10A4D5 #1-435 Acq: 3-MAY-2010 11:12:35 GC: EI+ Voltage: SIR Autospec-UltimaB
 Sample#1 Text:ST0503 :CS3 10DXN083 Exp:DIOXINRES8290A
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,656.0,1.00%,F,T)



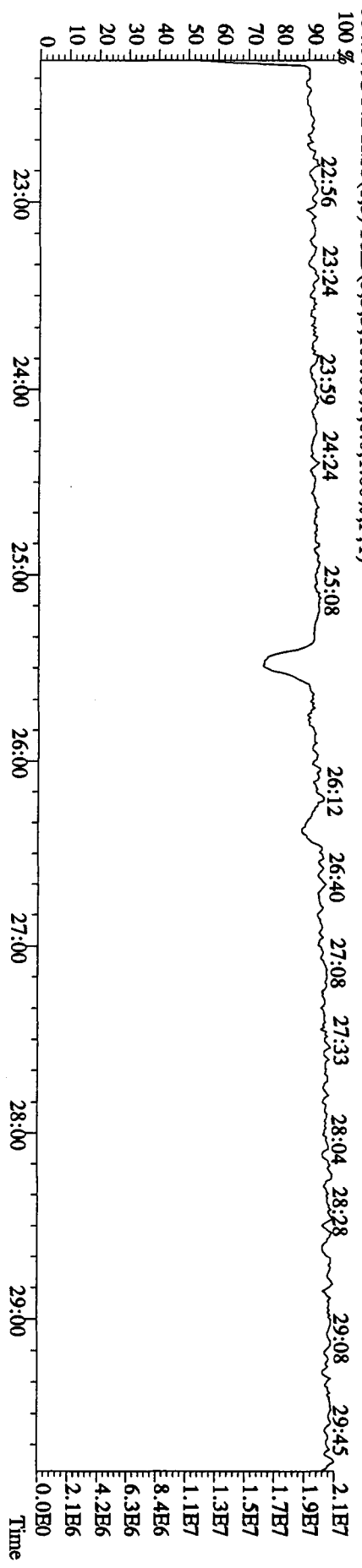
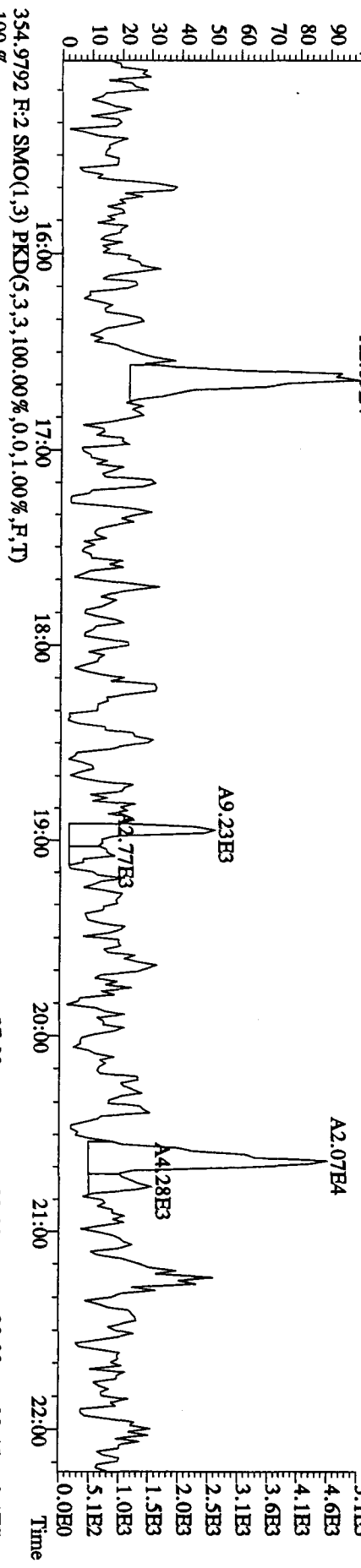
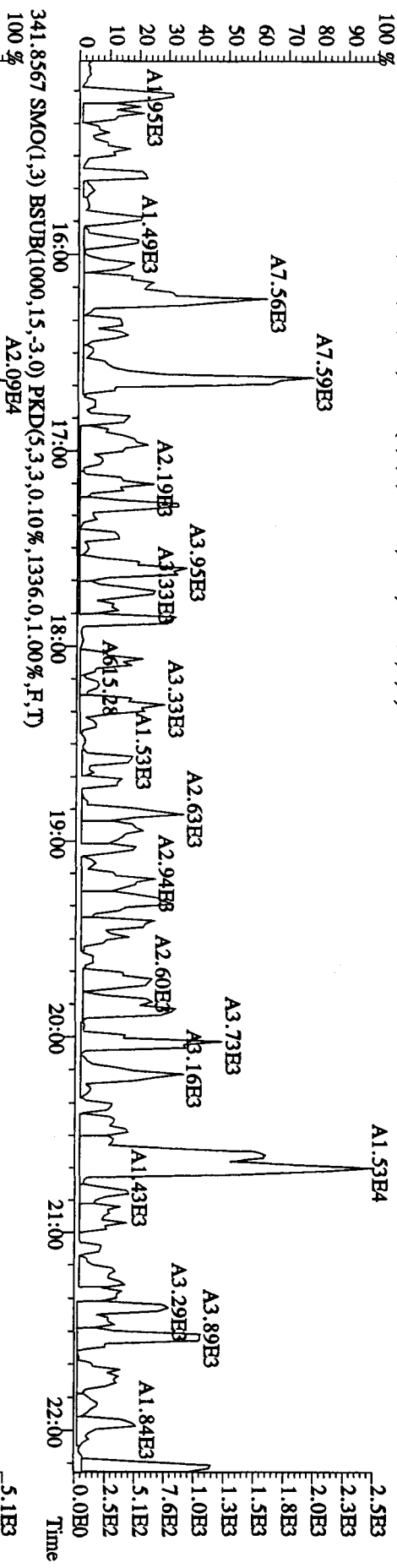
File: 03MY10A4D5 #1-435 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text: ST0503 :CS3 10DXN083 Exp: DIOXINRES8290A
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,104,0,1,1.00%,F,T)
 100%



File:03MAY10A4D5 #1-604 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text:ST0503 :CS3 10DXN083 Exp.:DIOXINRES8290A
 339.8597 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1416,0,1,00%,F,T)
 100 % A3.96E7



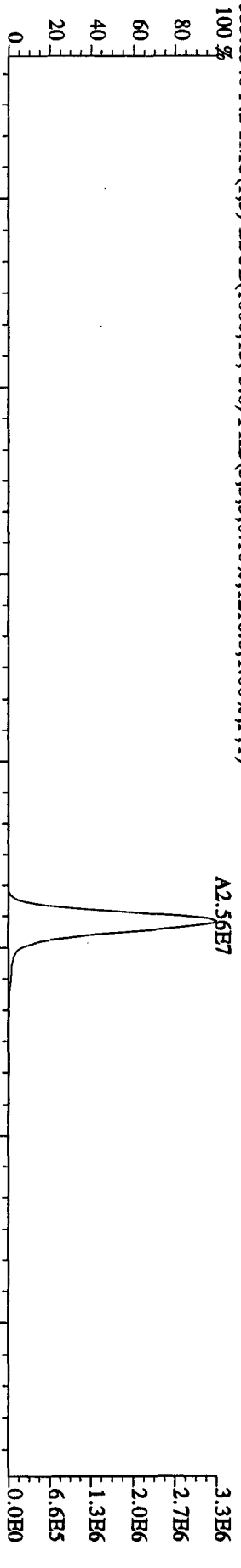
File:03MAY10A4D5 #1-435 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text:ST0503 :CS3 10DXN083 Exp:DIOXINRES8290A
 339.8597 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84.0,1.00%,F,T)



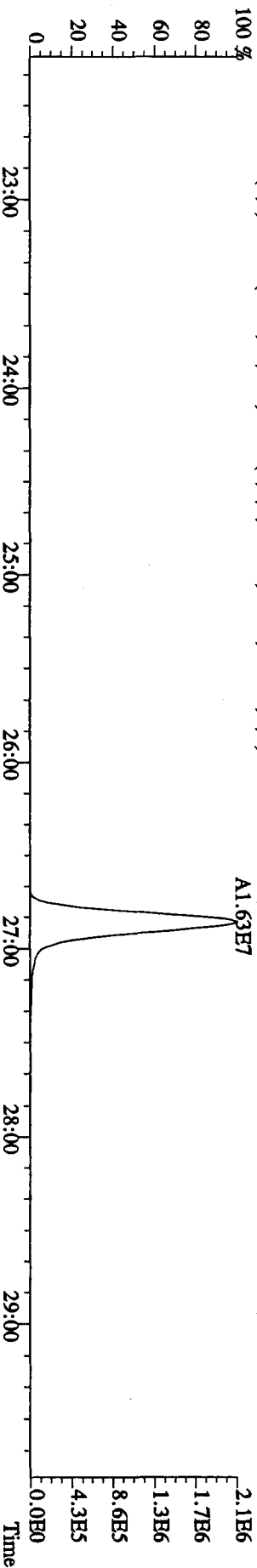
File:03MMY10A4D5 #1-604 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-Ultimate

Sample#1 Text:ST0503 :CS3 10DXN083 Exp:DIOXINRES8290A

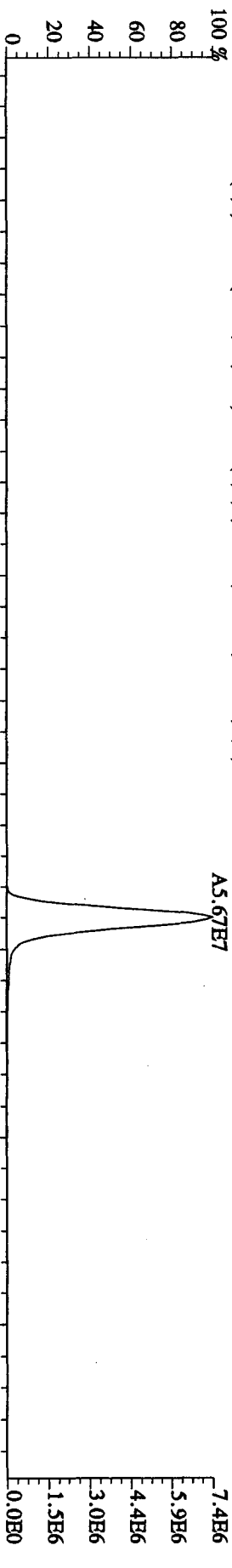
355.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1216.0,1.00%,F,T)



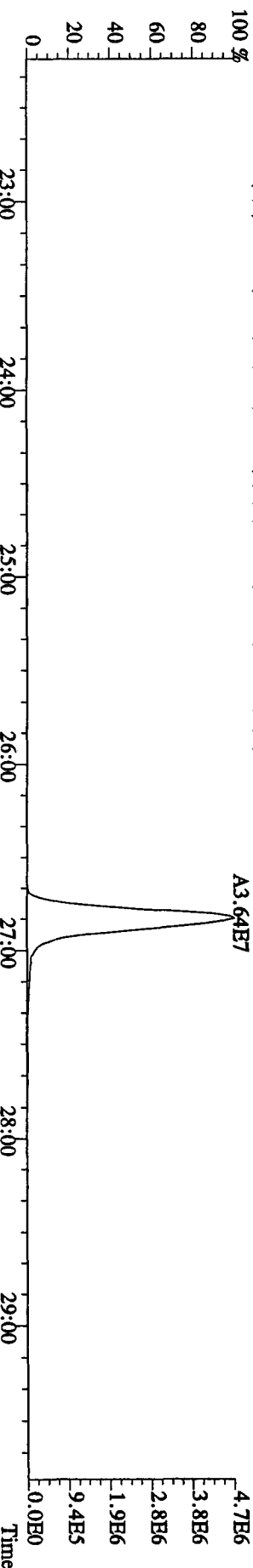
357.8516 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,492.0,1.00%,F,T)



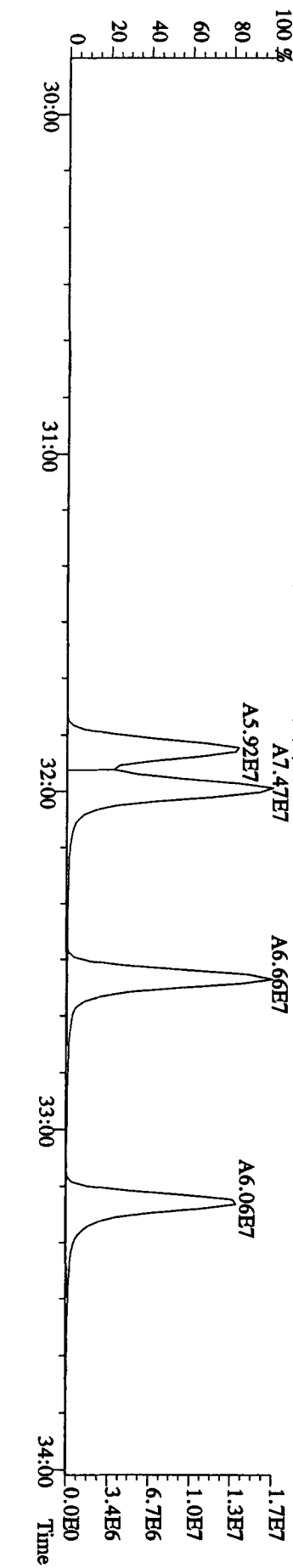
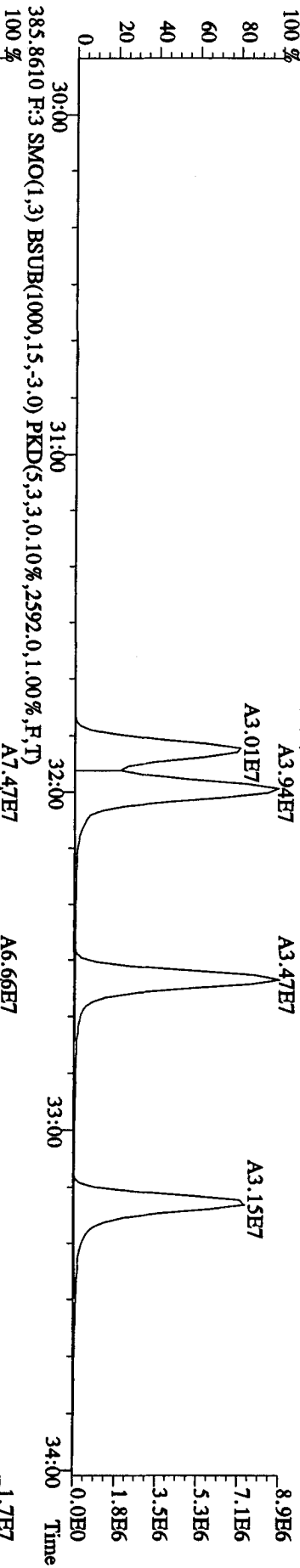
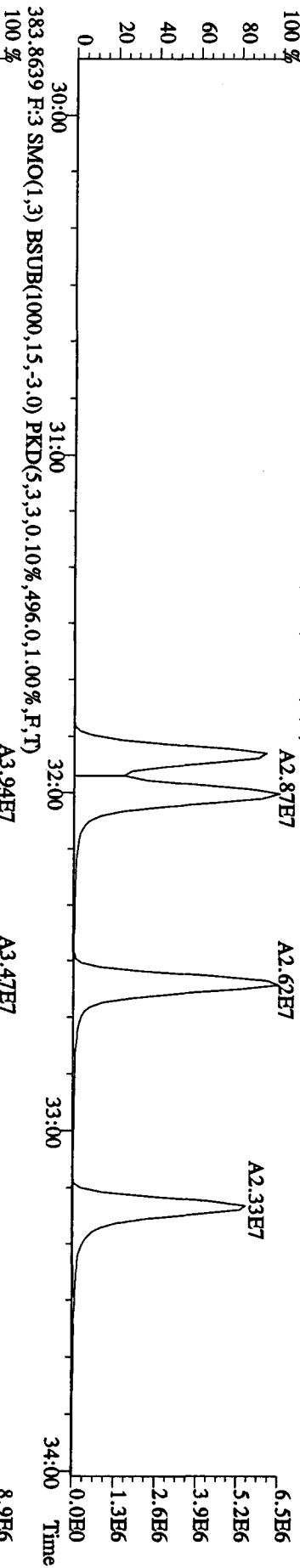
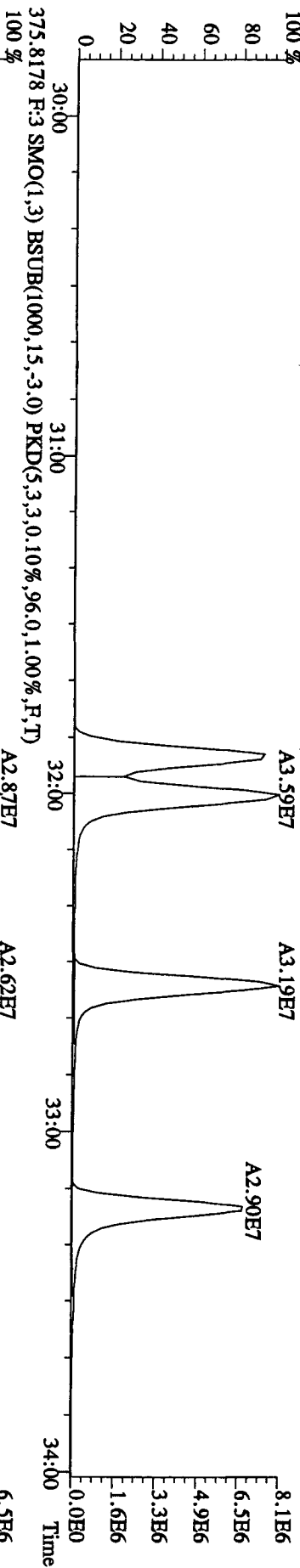
367.8949 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1228.0,1.00%,F,T)



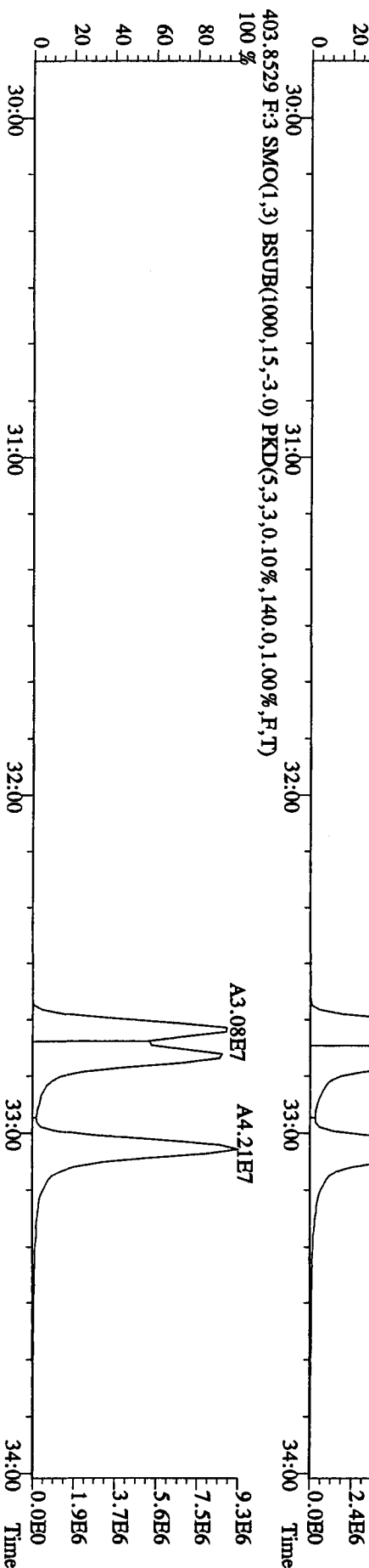
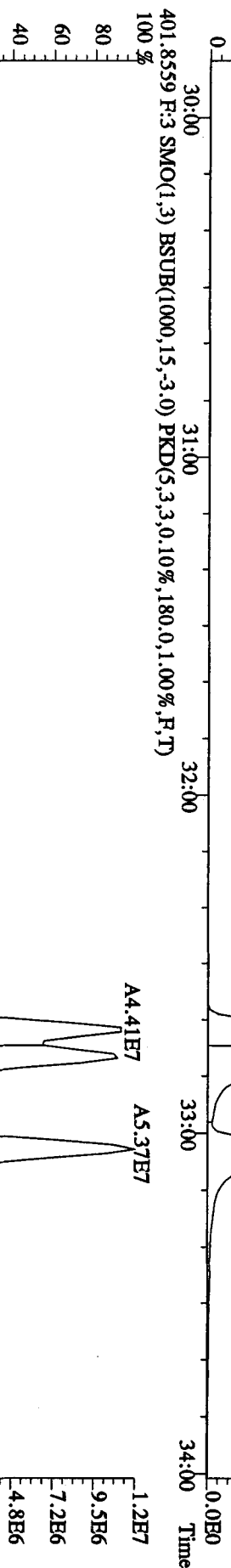
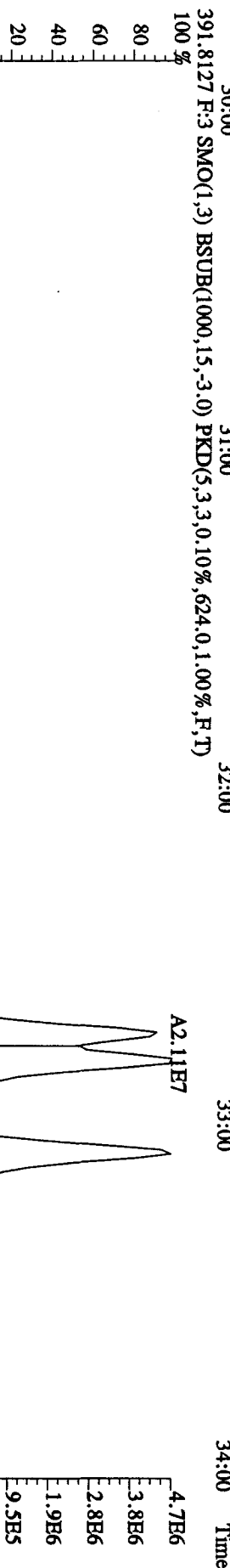
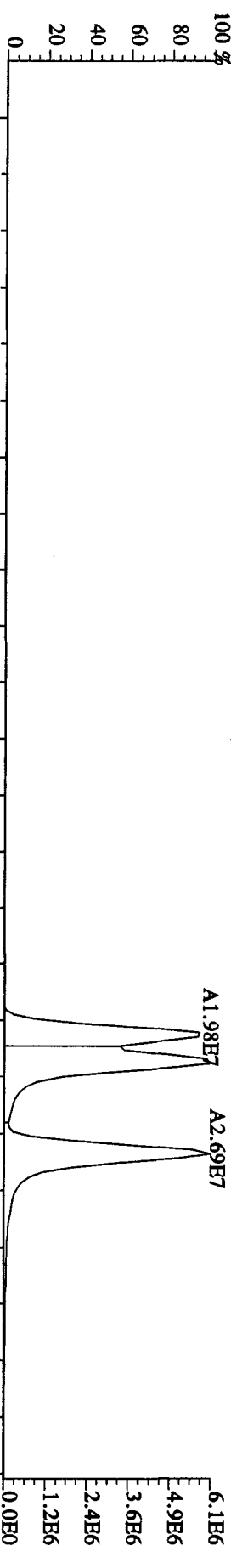
369.8919 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,100.0,1.00%,F,T)



File:03MXY10A4D5 #1-317 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text:ST0503 :CS3 10DXN083 Exp:DIOXINRES8290A
 373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.392,0,1,00%,F,T)
 100 %

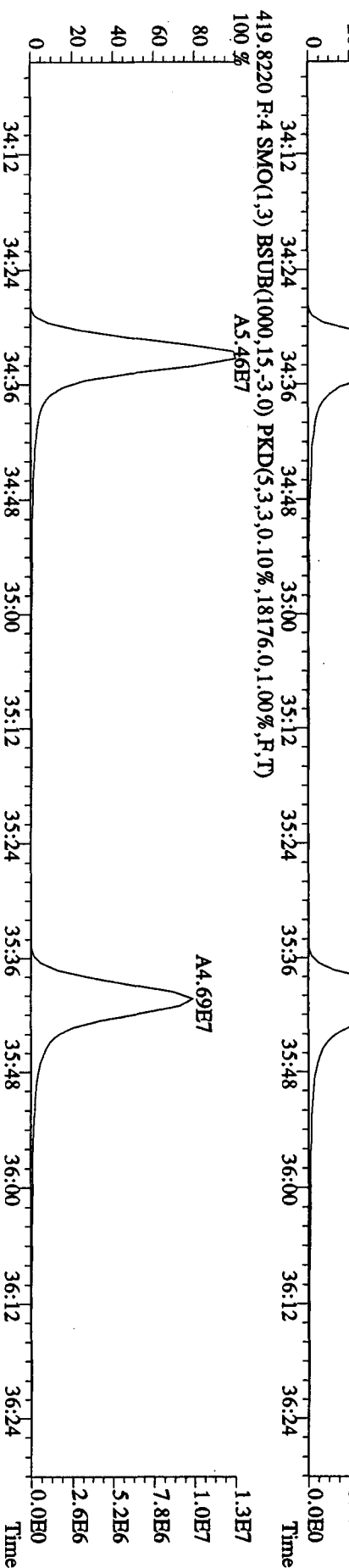
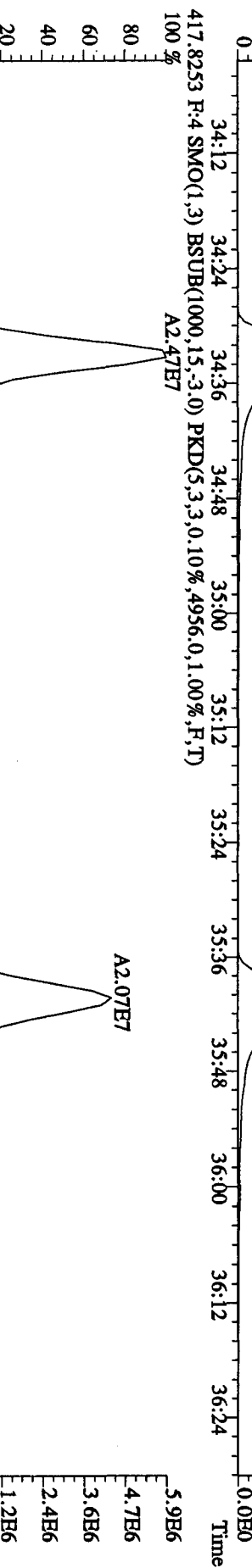
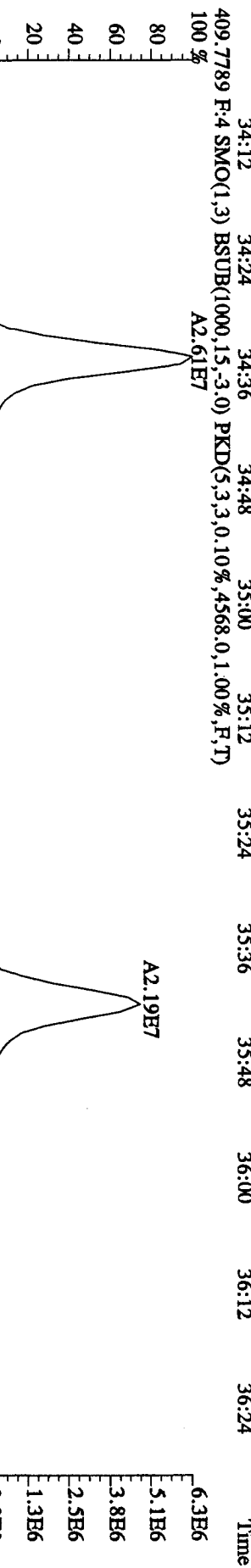
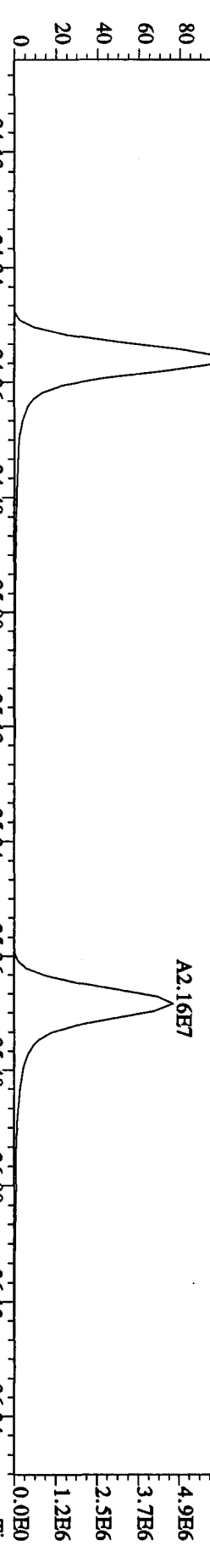


File:03MY10A4D5 #1-317 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:ST0503 :CS3 10DXN083 Exp:DIOXINRES8290A
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,88.0,1.00%,F,T)

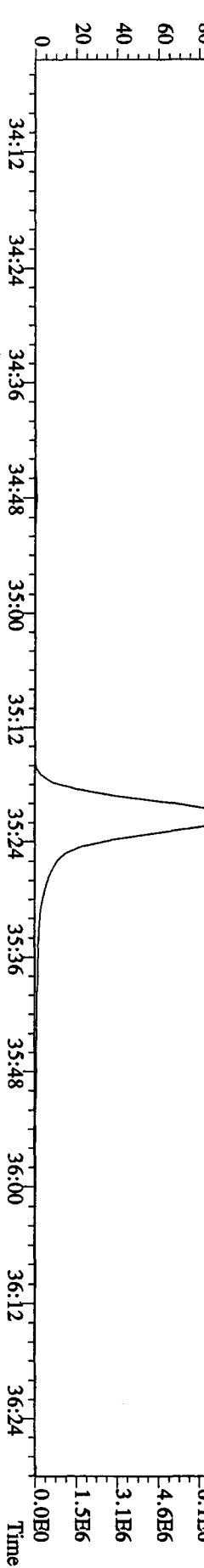
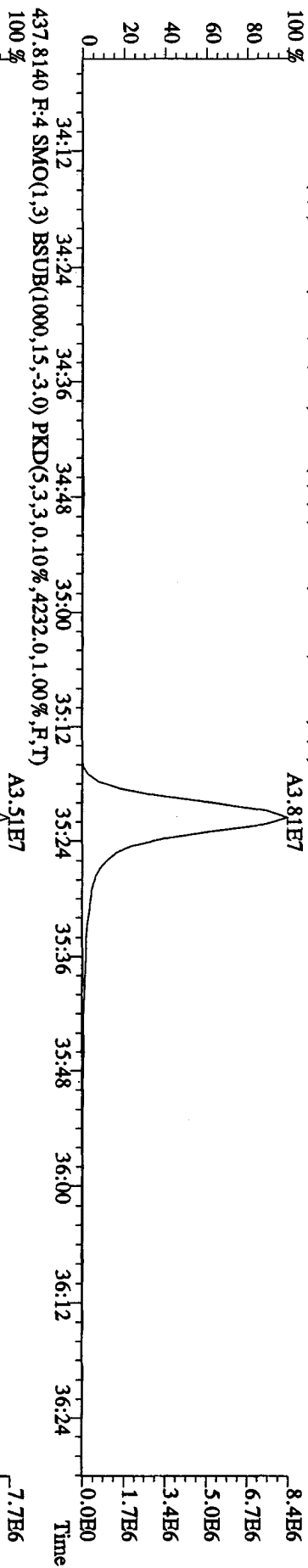
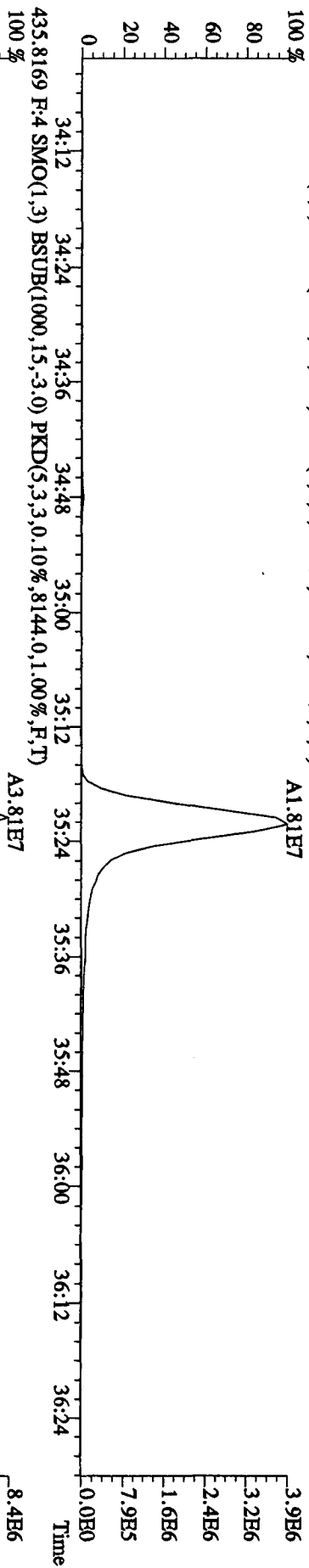
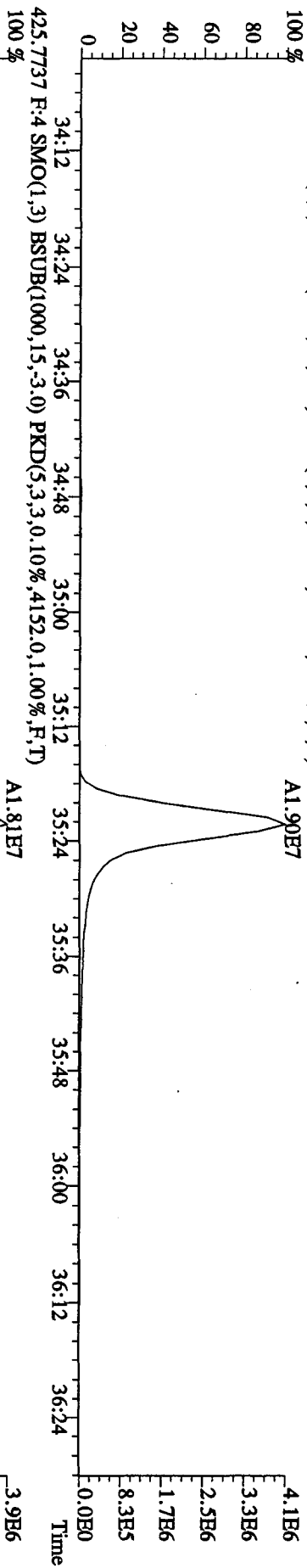


Sample#1 Text:ST0503 :CS3 10DXN083 Exp:DIOXINRES8290A

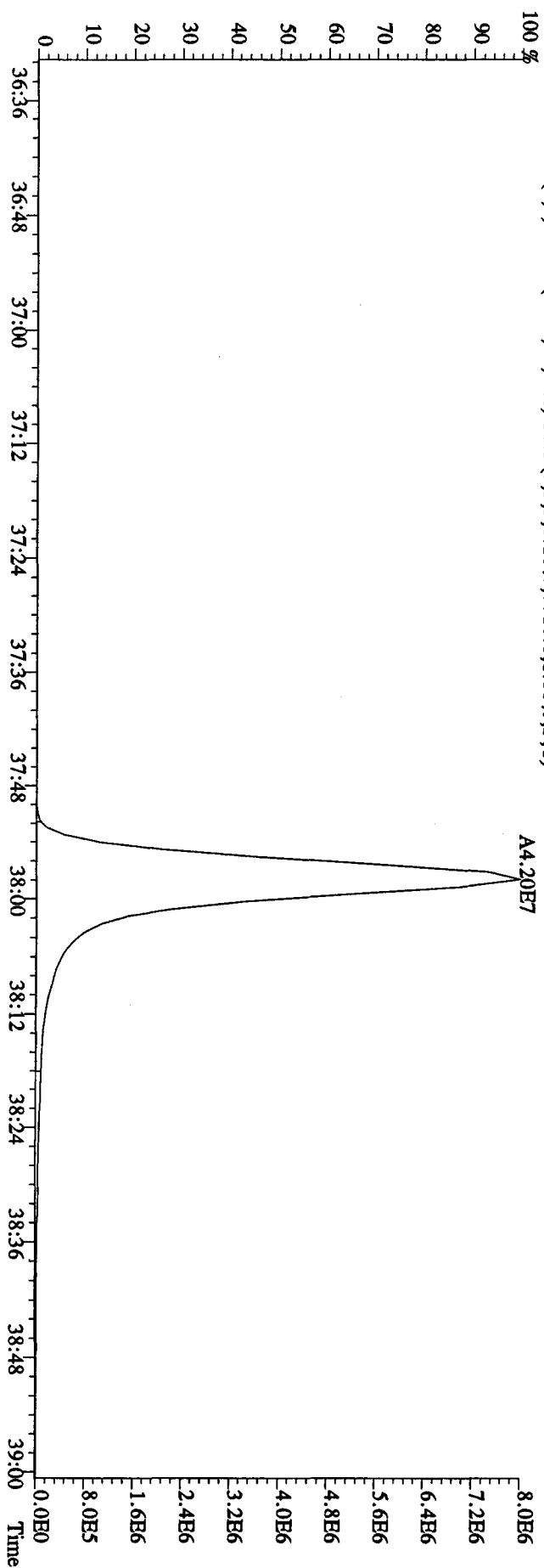
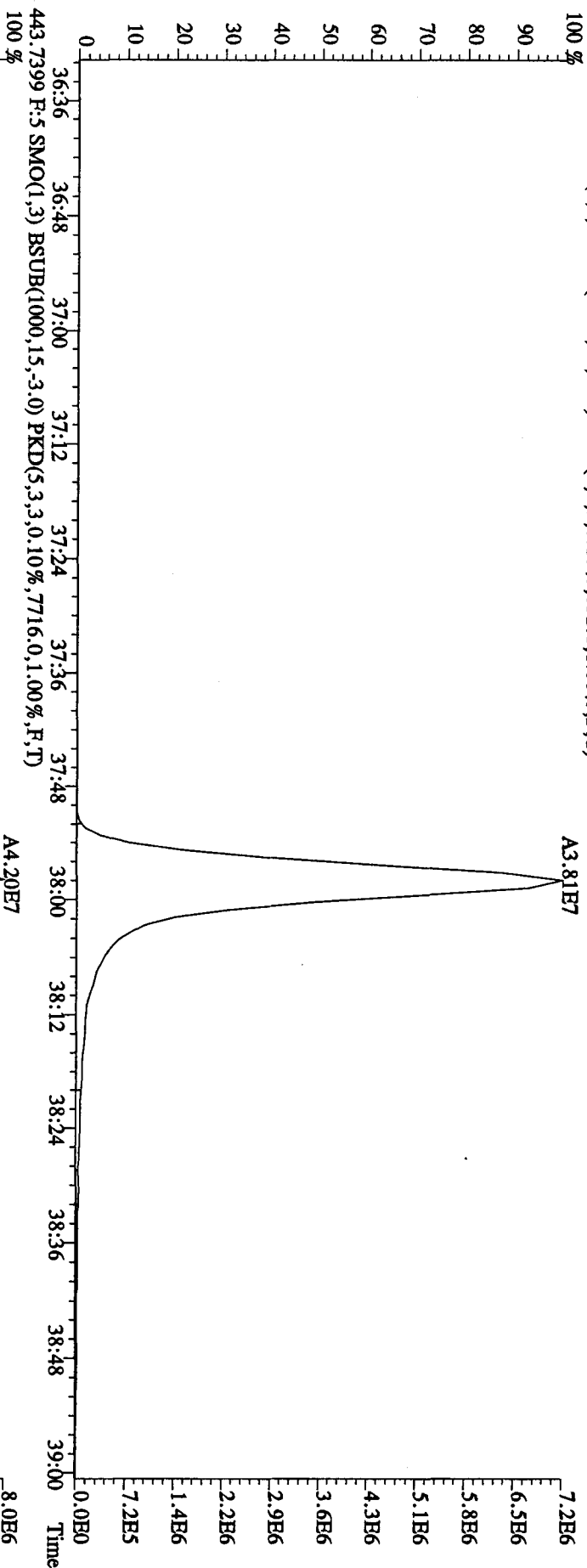
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,9456,0,1,00%,F,T)



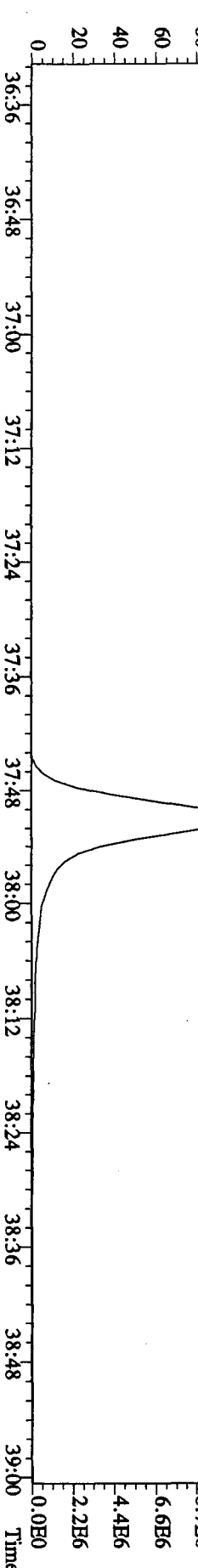
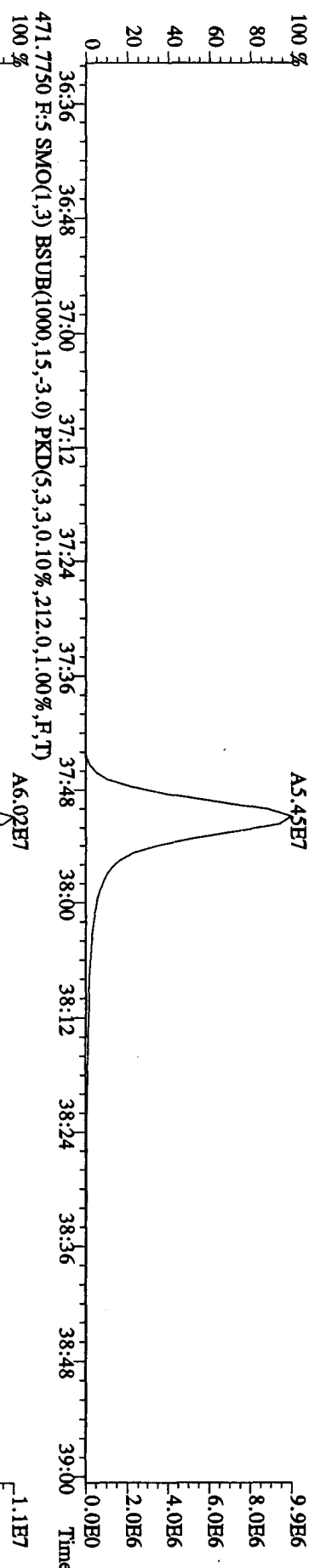
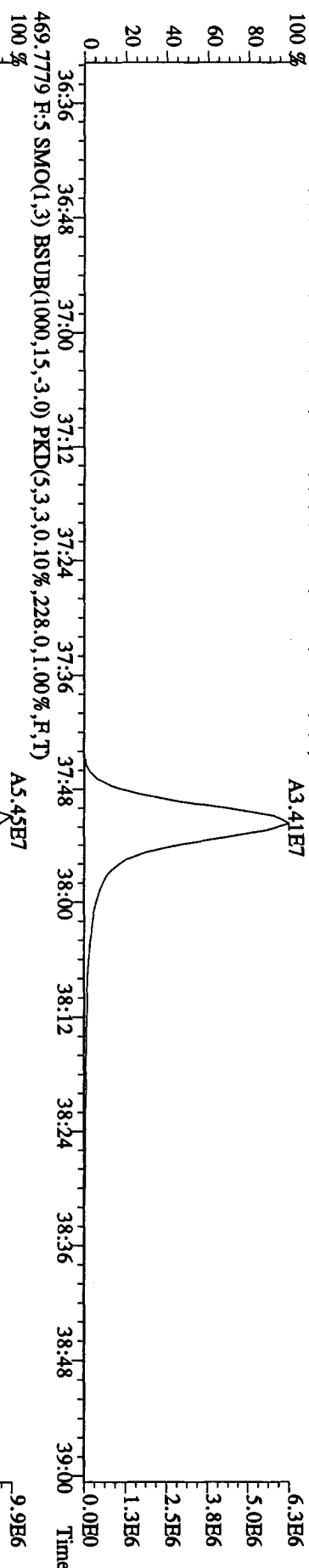
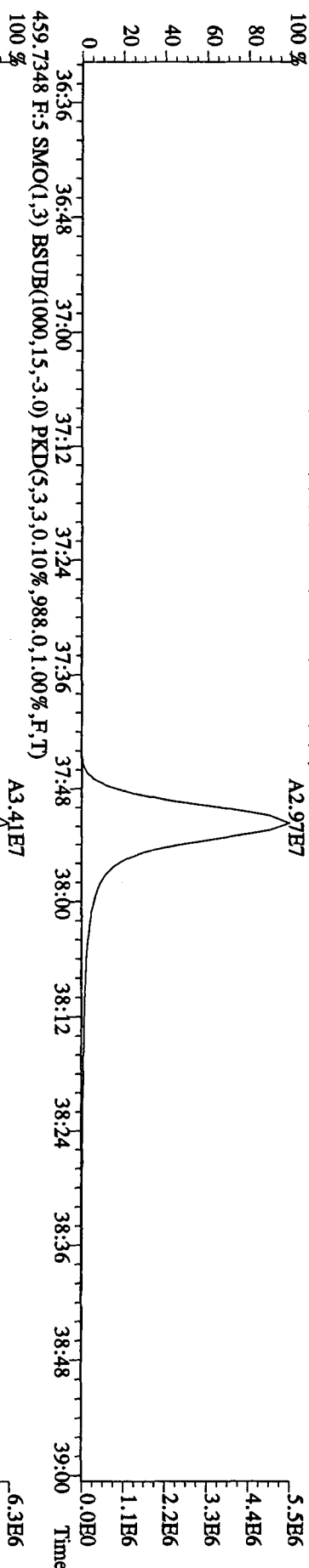
File: 03MY10A4D5 #1-197 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text: ST0503 : CS3 10DXN083 Exp: DIOXINRES8290A
 425.7766 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3936.0,1,00%,F,T)

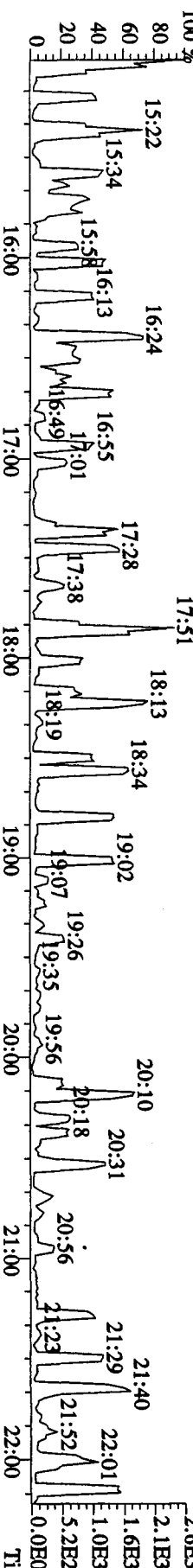
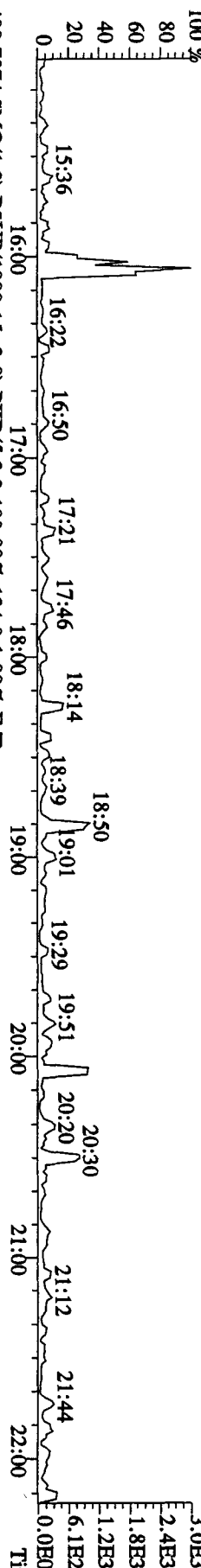
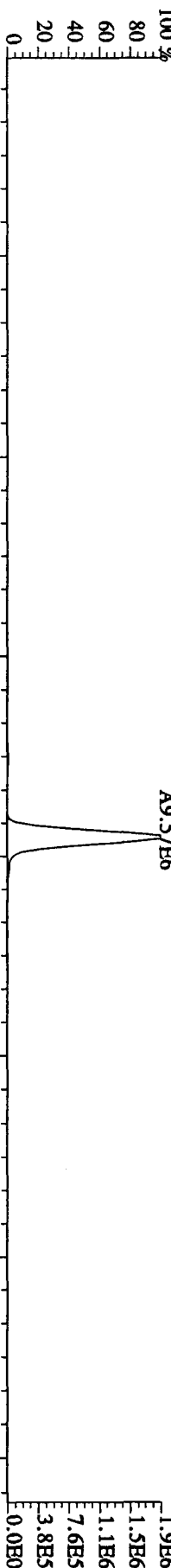
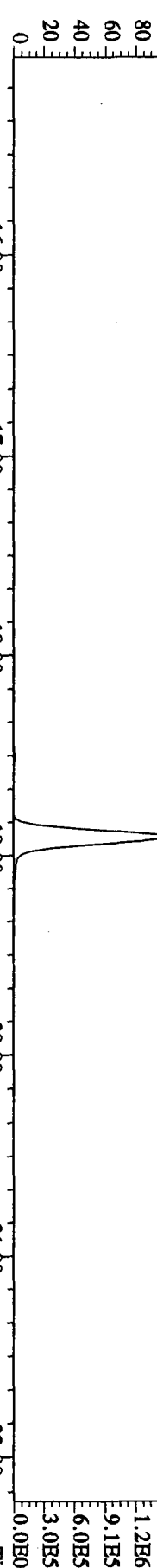
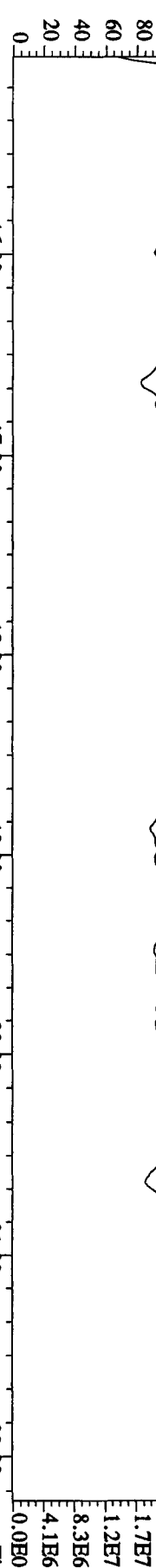


File:03MY10A4D5 #1-191 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-UltimaB
Sample#1 Text:ST0503 :CS3 10DXN083 Exp:DIOXINRES8290A
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,852.0,1.00%,F,T)

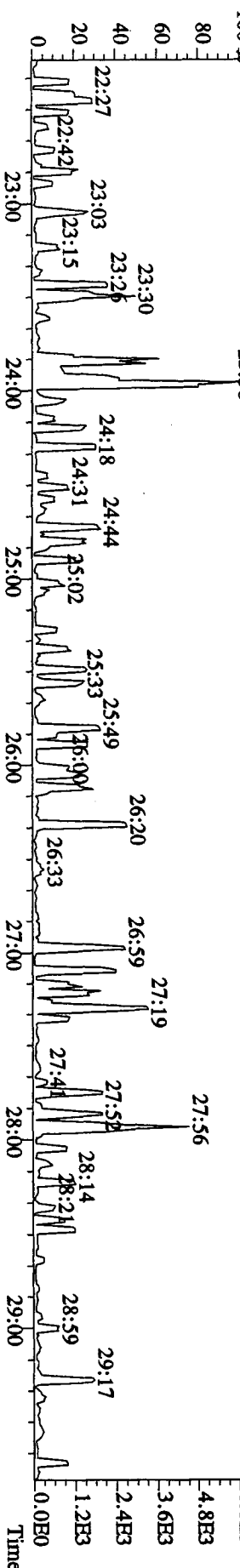
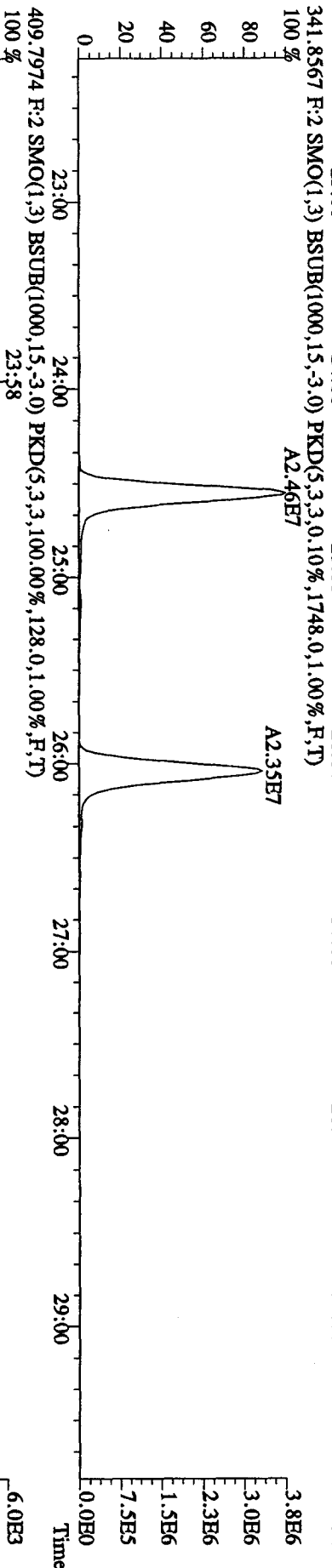
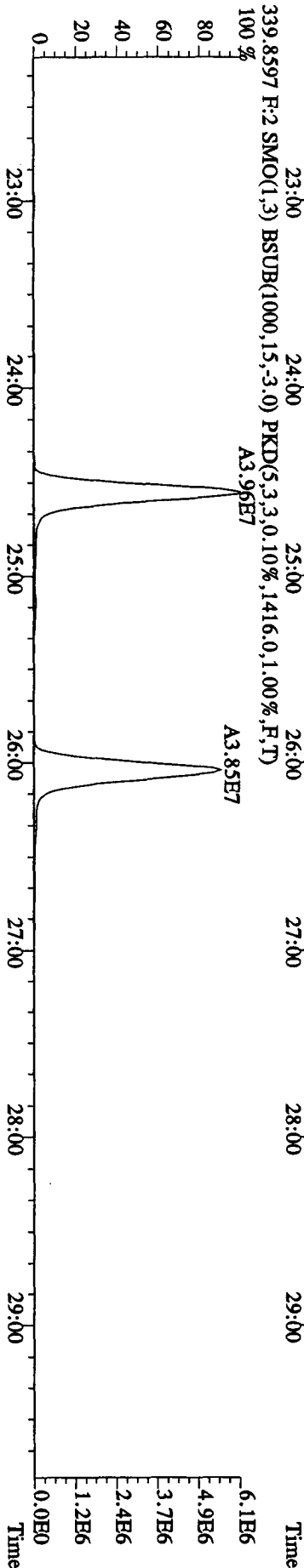
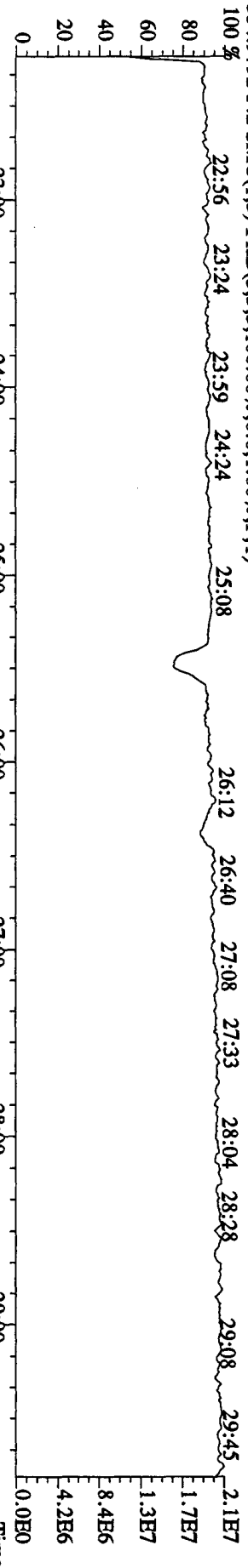


File:03MAY10A4D5 #1-191 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:ST0503 :CS3 10DXN083 Exp:DIOXINRES8290A
 457.7377 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4304,0,1,00%,F,T)
 100 %





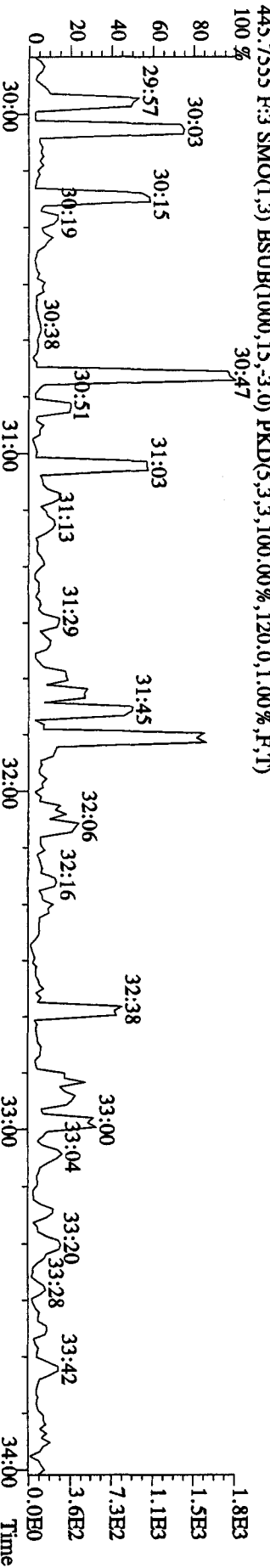
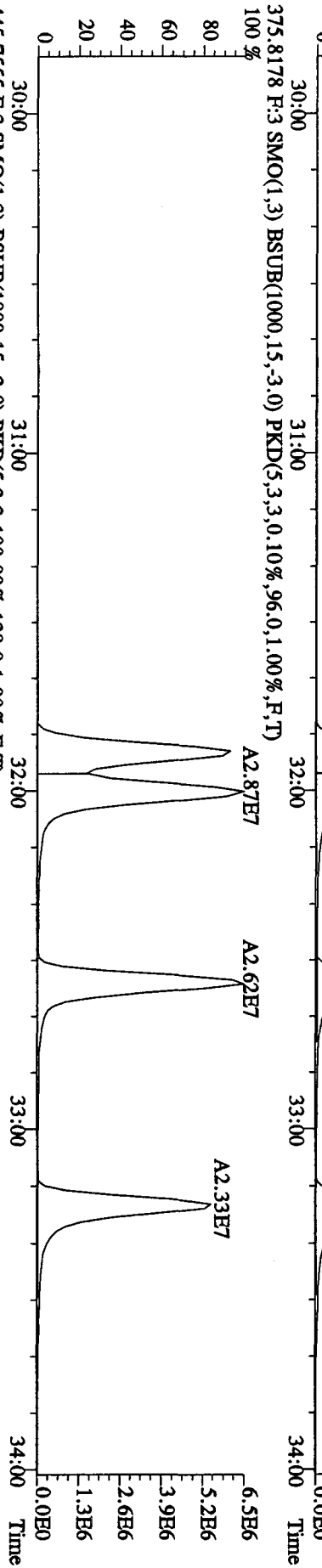
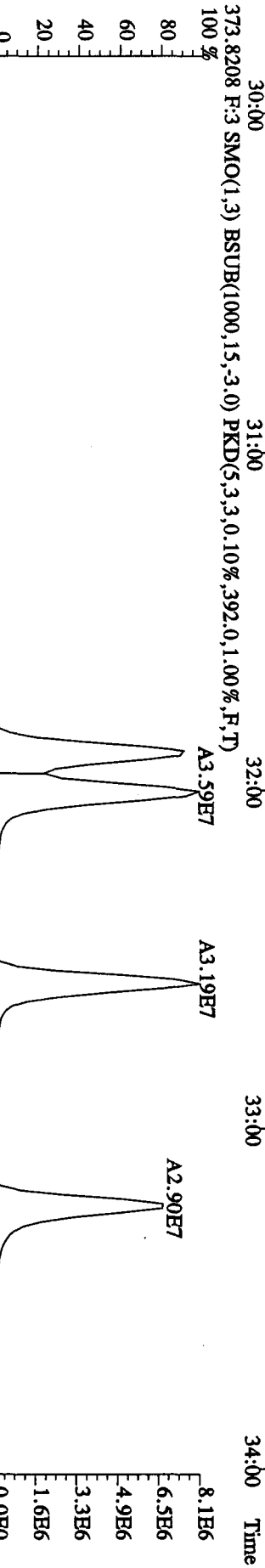
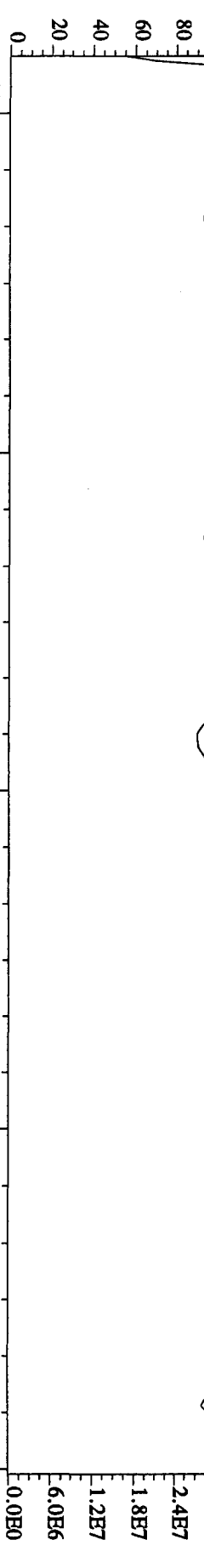
File:03MY10A4D5 #1-604 Acq: 3-MAY-2010 11:12:35 GC EI + Voltage SIR Autospec-UltimaE
 Sample#1 Text:ST0503 :CS3 10DXN083 Exp.:DIOXINRES8290A



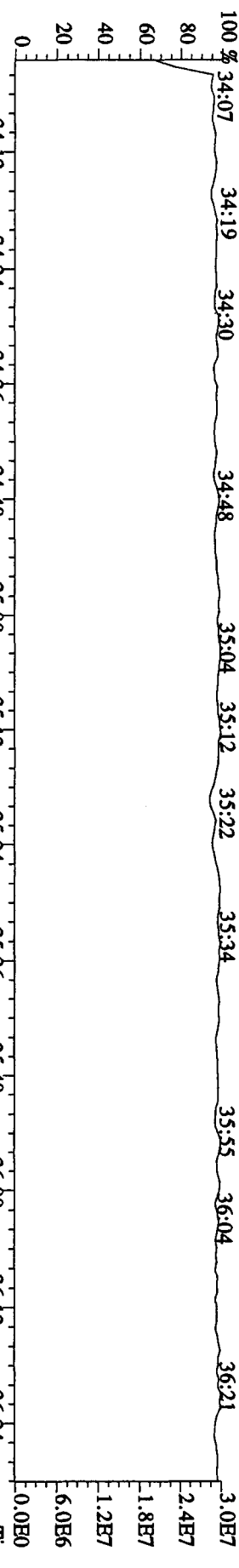
File:03MVT10A4D5 #1-317 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-UltimaE

Sample#1 Text:ST0503 :CS3 10DXN083 Exp:DIOXINRES8290A

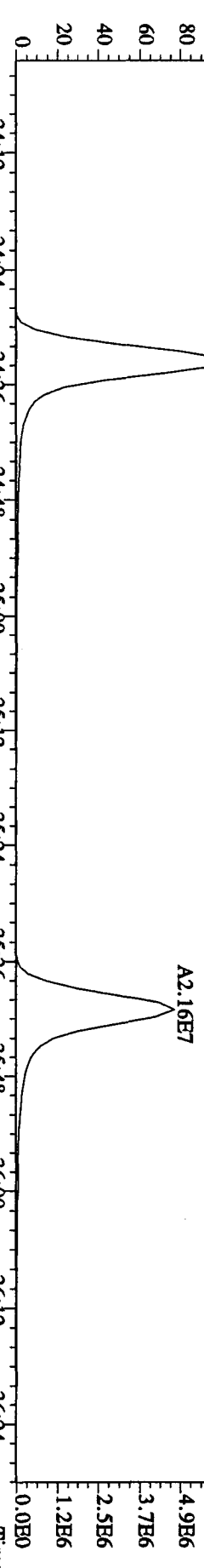
430.9728 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 30:06 30:23 30:46 31:01 31:21 31:43 31:56 32:18 32:45 32:57 33:11 33:36 33:52 3:0E7



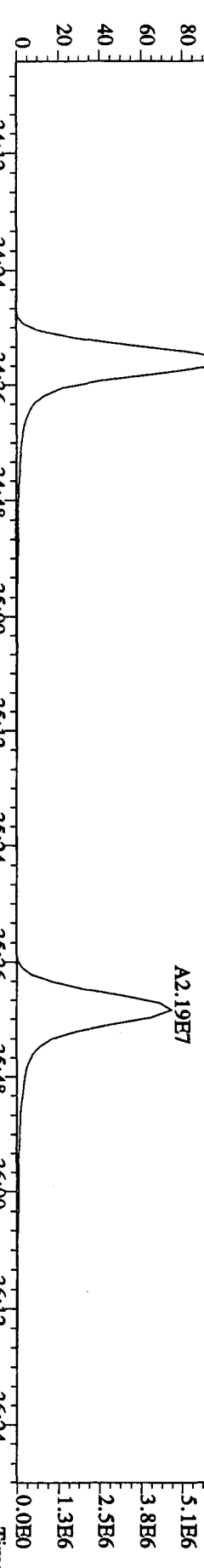
File:03MY10A4D5 #1-197 Acq: 3-MAY-2010 11:12:35 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 Text:ST0503 :CS3 10DXN083 Exp:DIOXINRES8290A
 430.9728 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 34:07 34:19 34:30 34:48 35:04 35:12 35:22 35:34 35:55 36:04 36:21



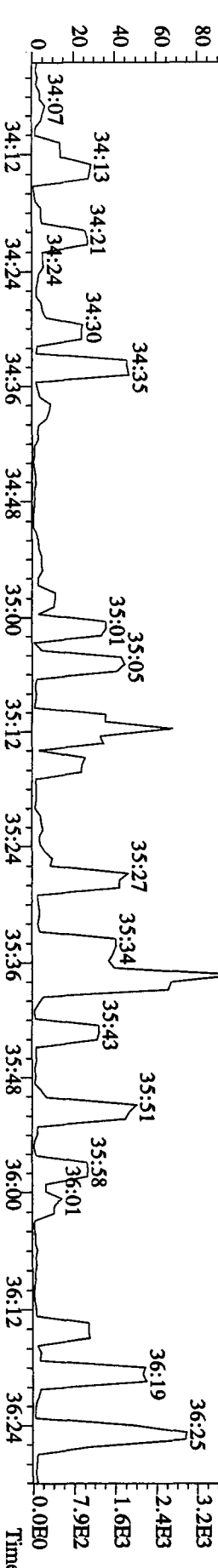
407.7818 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9456,0,1.00%,F,T)
 100 % A2.56E7

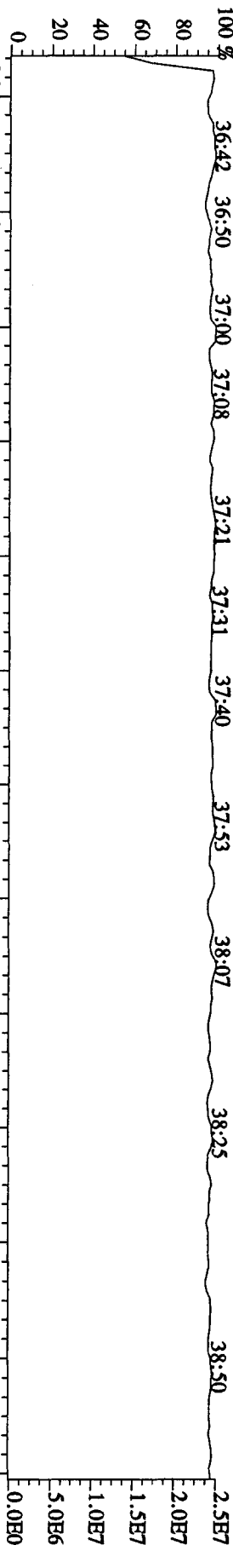


409.7789 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4568,0,1.00%,F,T)
 100 % A2.61E7

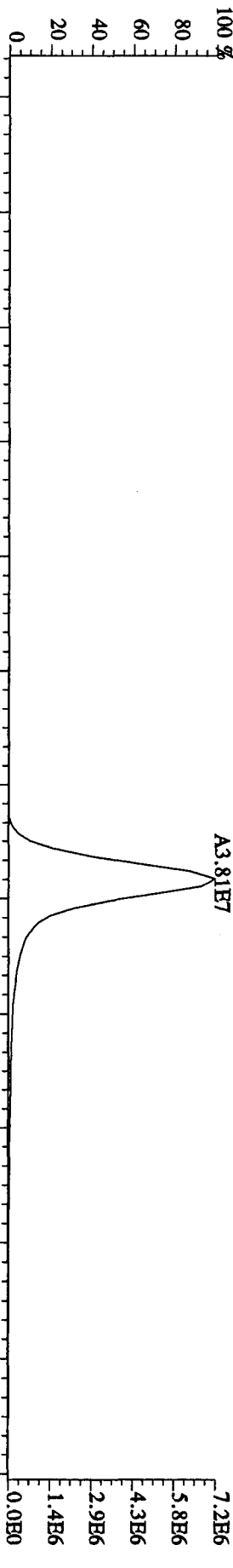


479.7165 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,72.0,1.00%,F,T)
 100 %

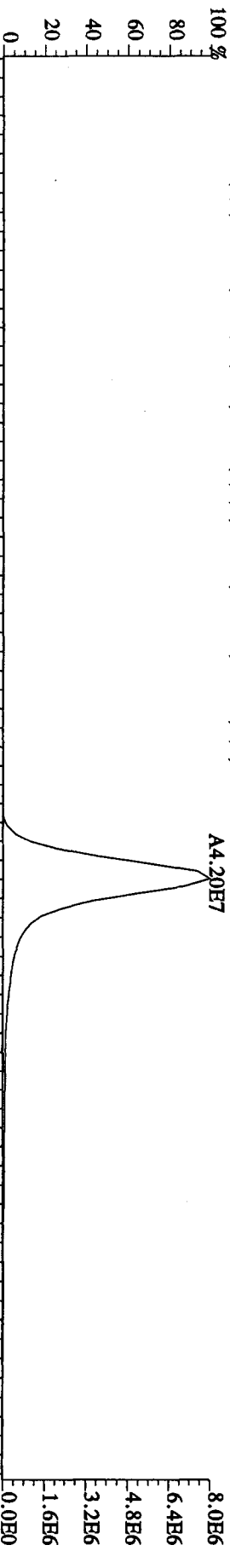




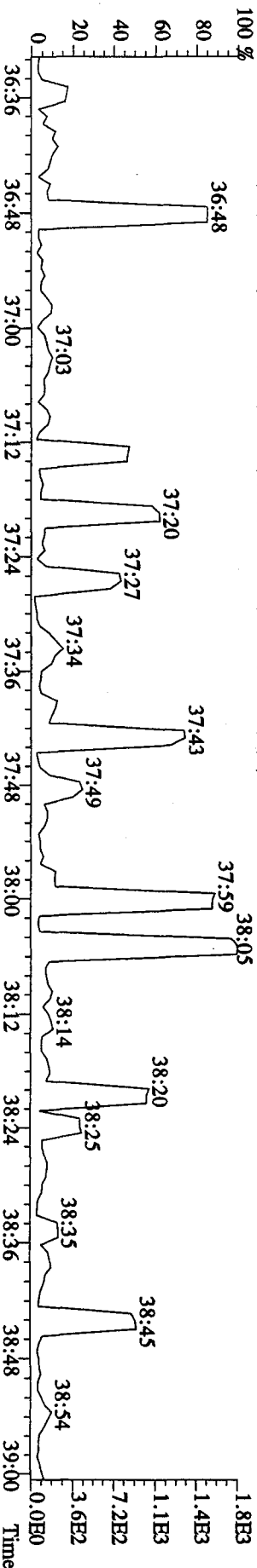
441.7428 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,852.0,1.00%,F,T)



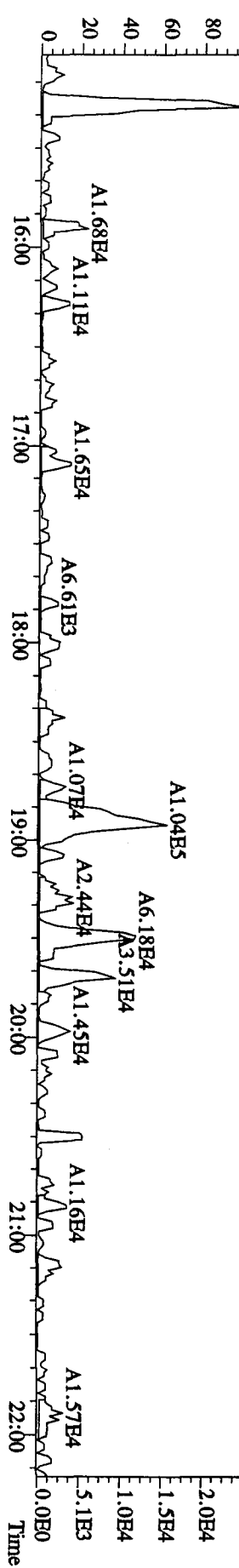
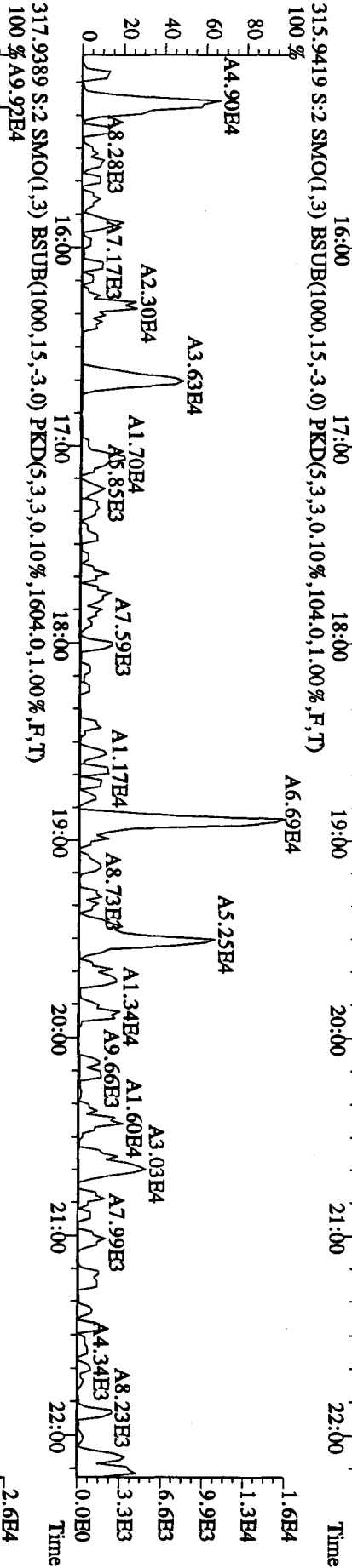
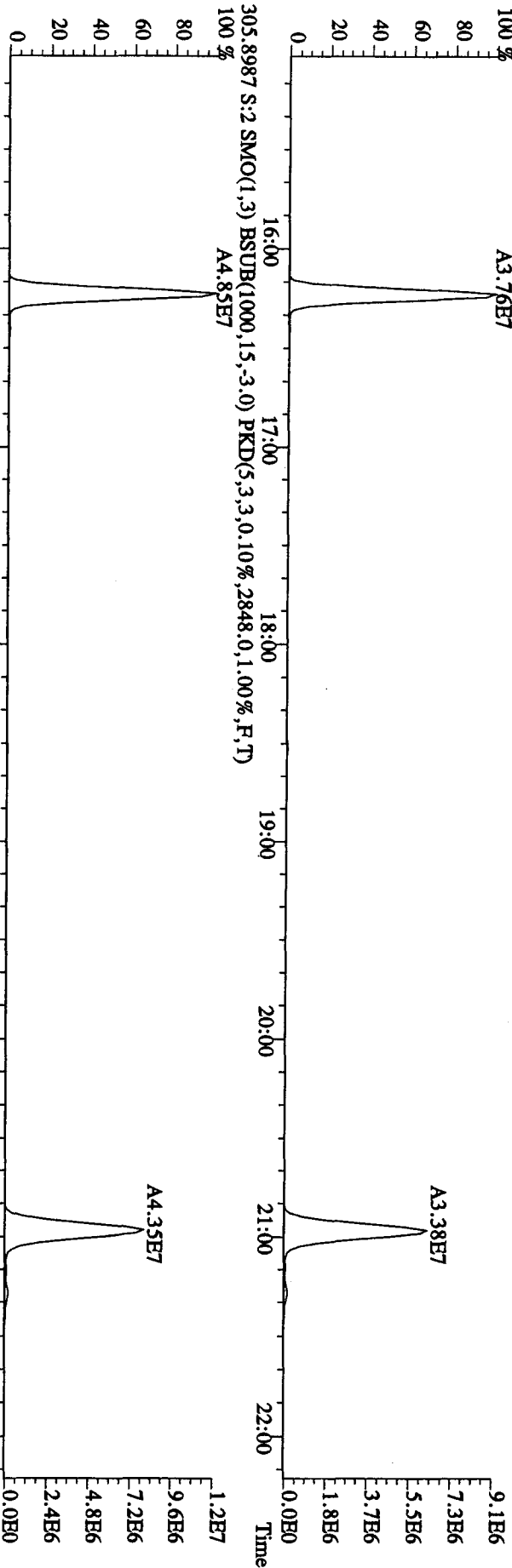
443.7299 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7716.0,1.00%,F,T)



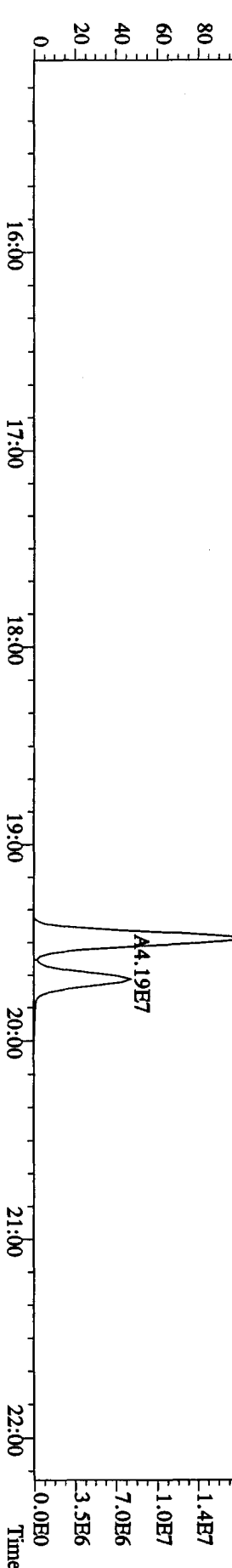
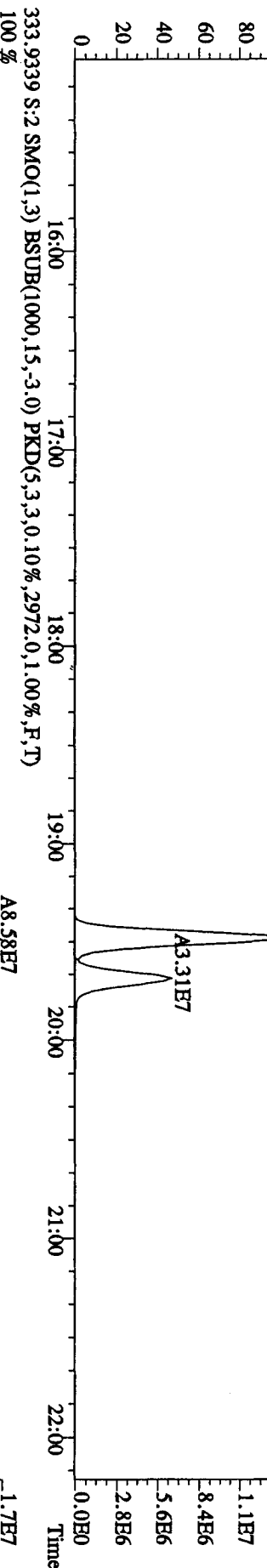
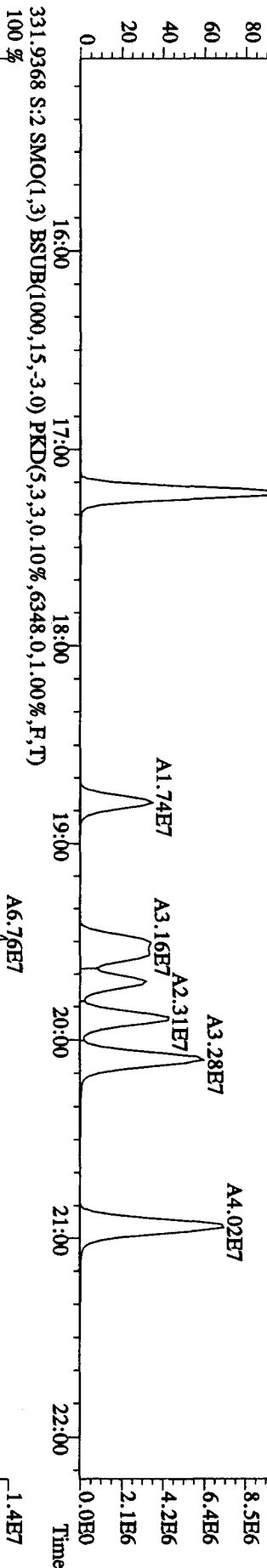
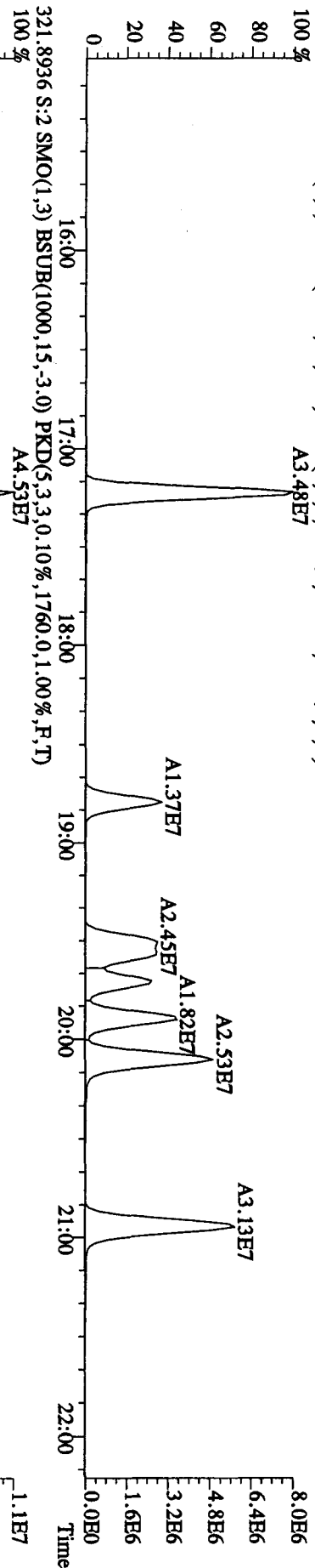
513.6775 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,120.0,1.00%,F,T)



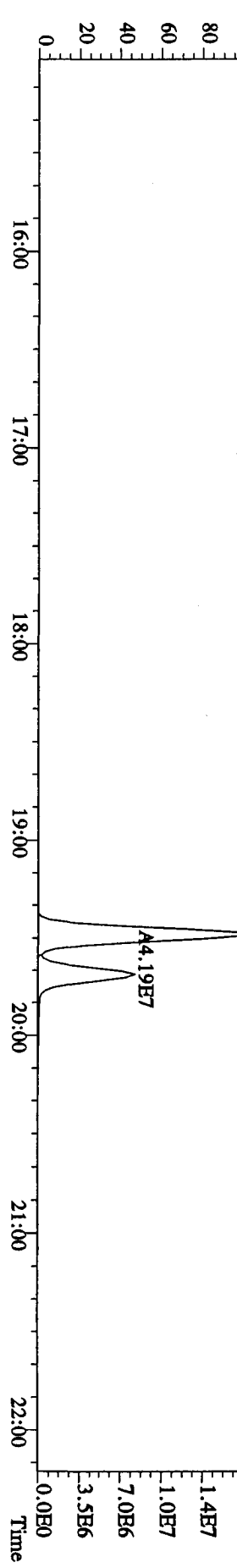
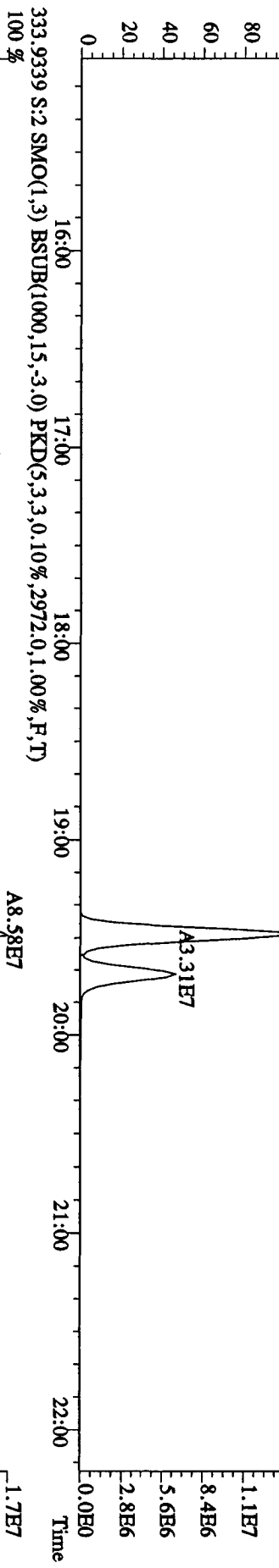
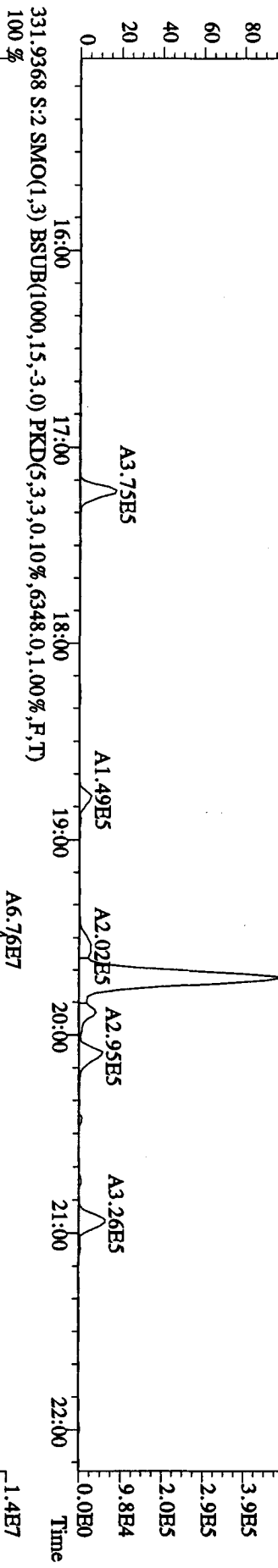
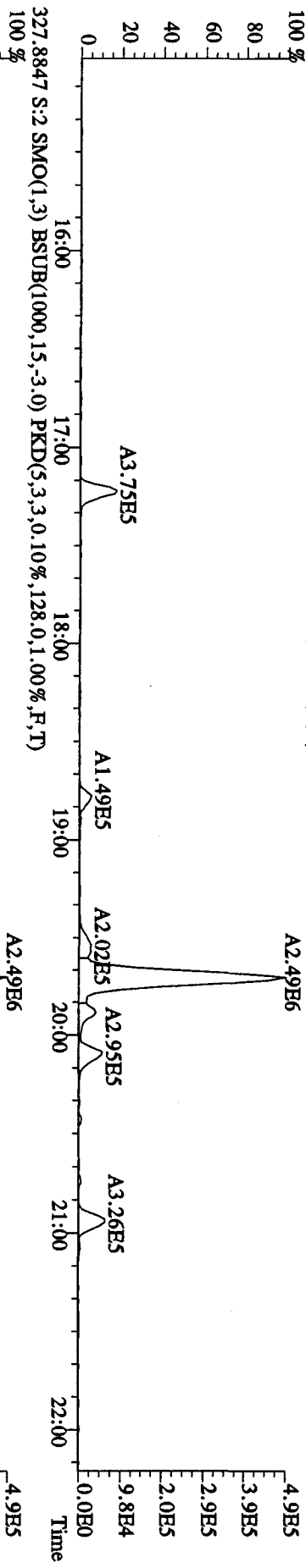
File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0503 :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,520.0,1.00%,F,T)
 100 % A3.76E7



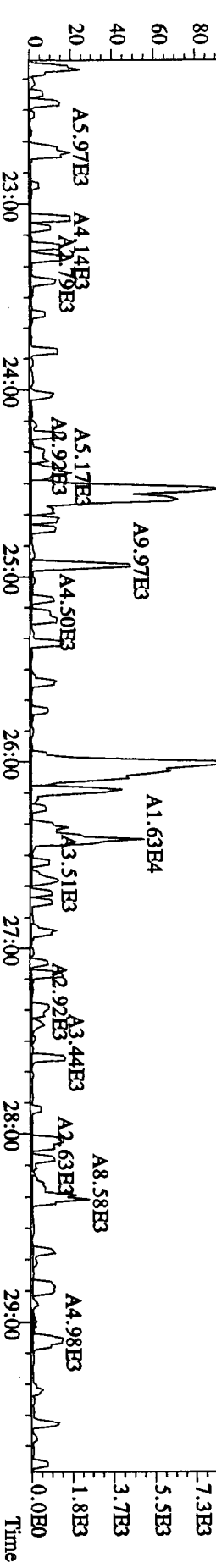
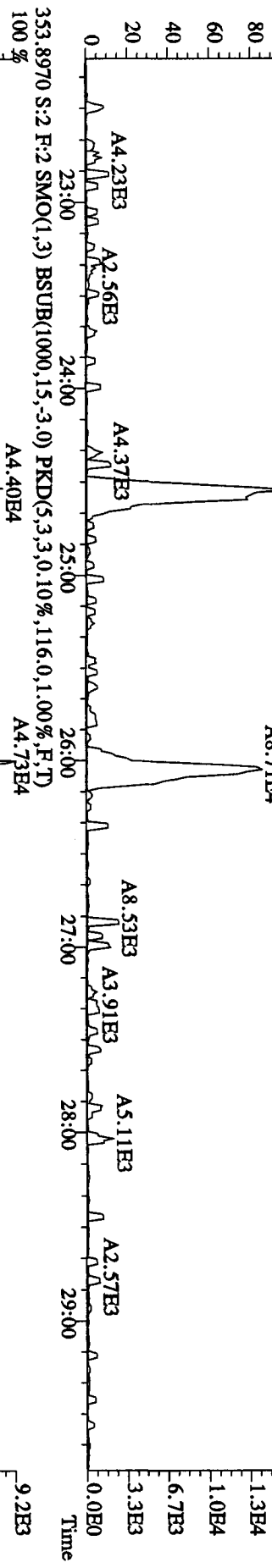
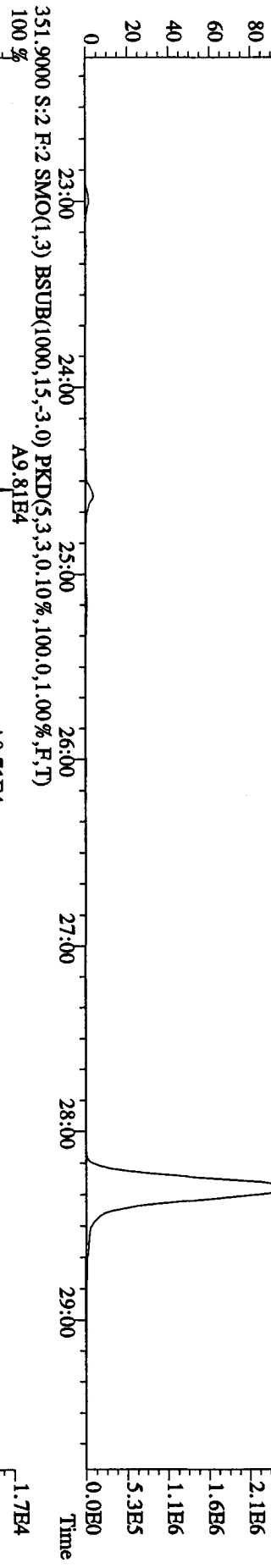
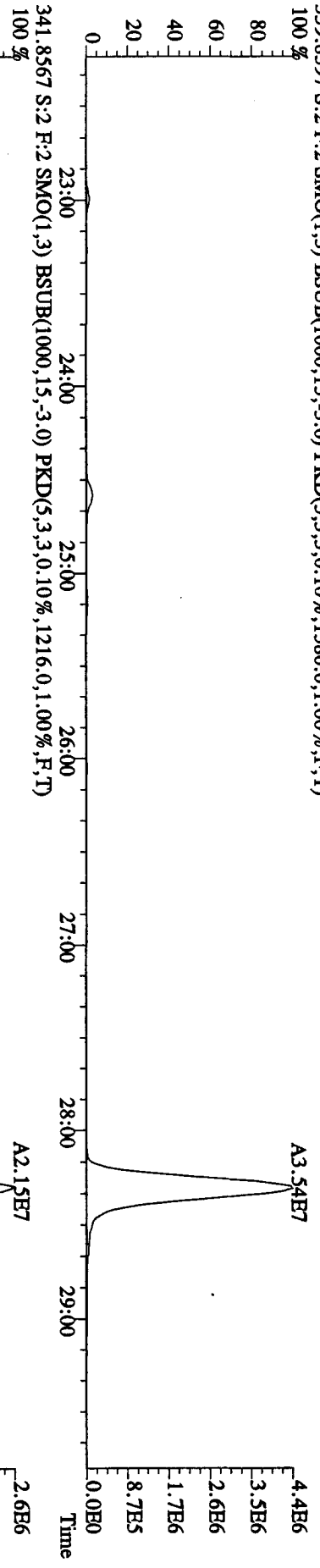
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:CP0503 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1236,0,1,00%,F,T)
 100 % A3.48E7



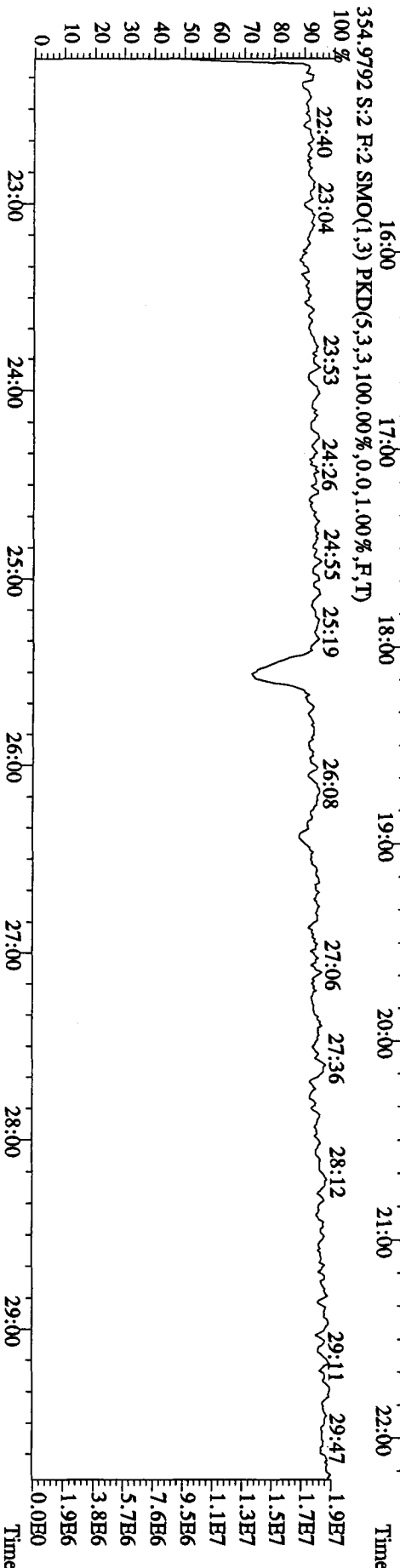
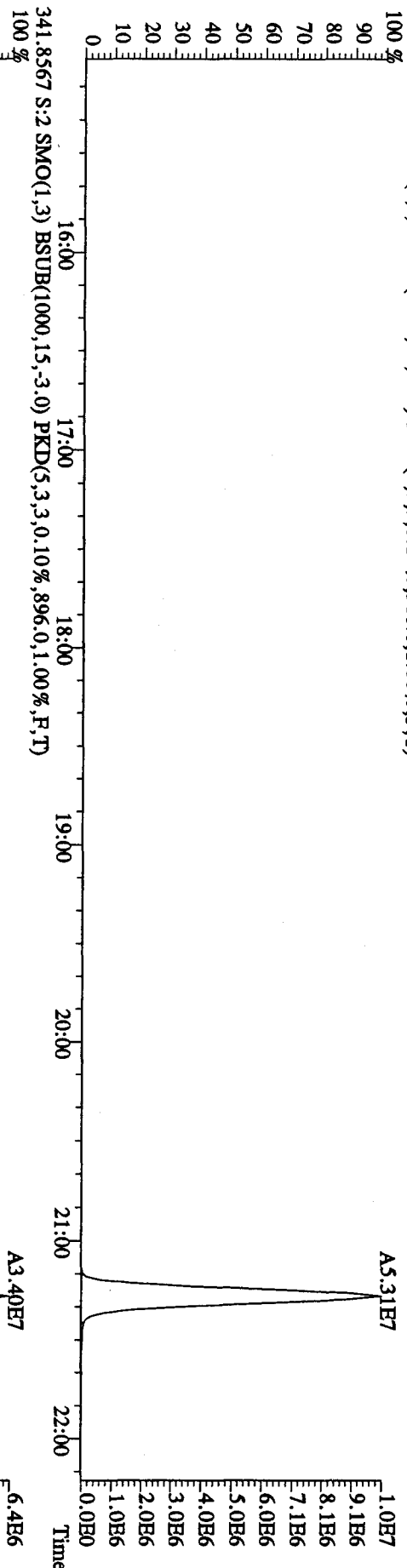
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 11:56:37 GC: EI+ Voltage: SIR Autospec: UltimaB
 Sample#2 Text:CP0503 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,128,0,1,00%,F,T)



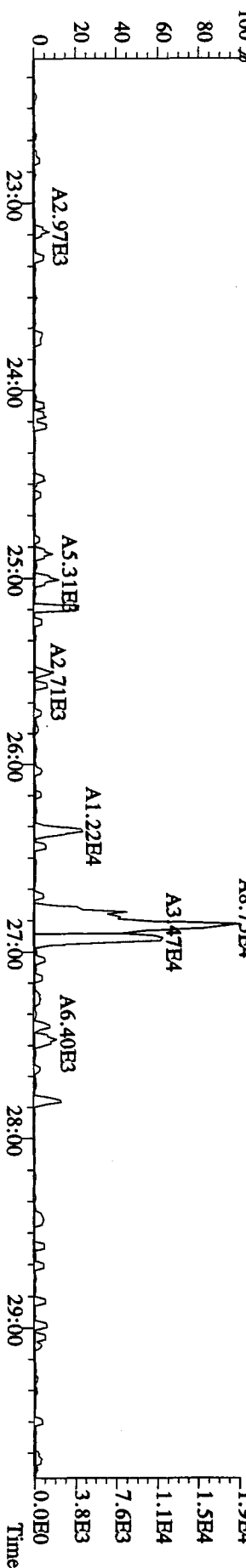
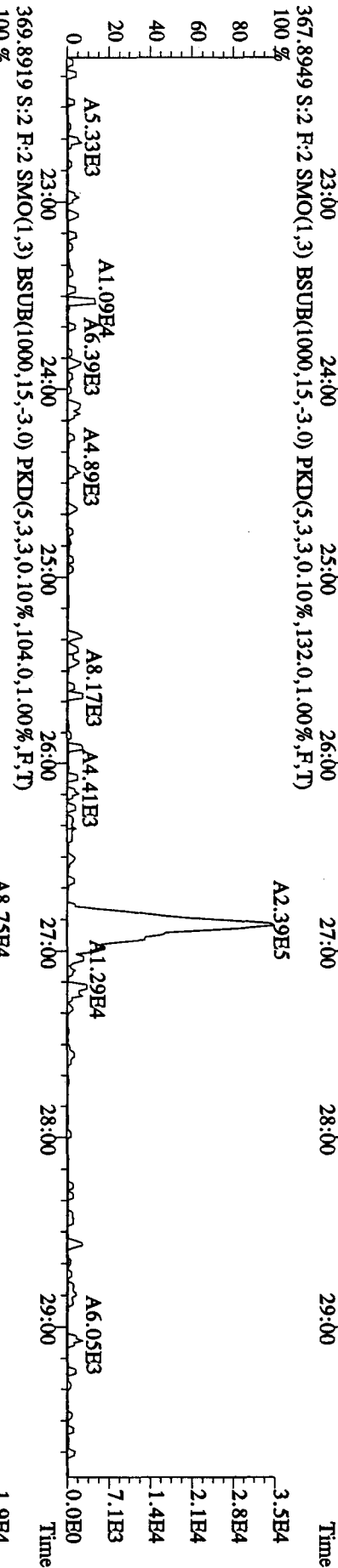
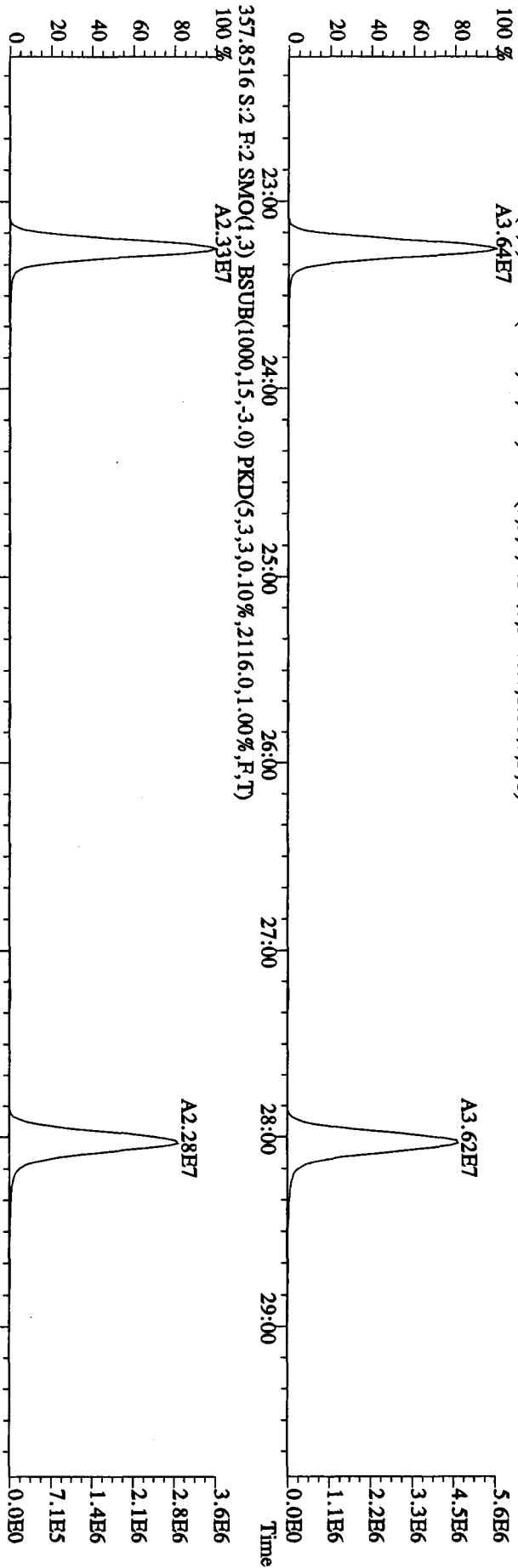
File:03MAY10A4D5 #1-604 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0503 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1580,0,1,00%,F,T)
 100%



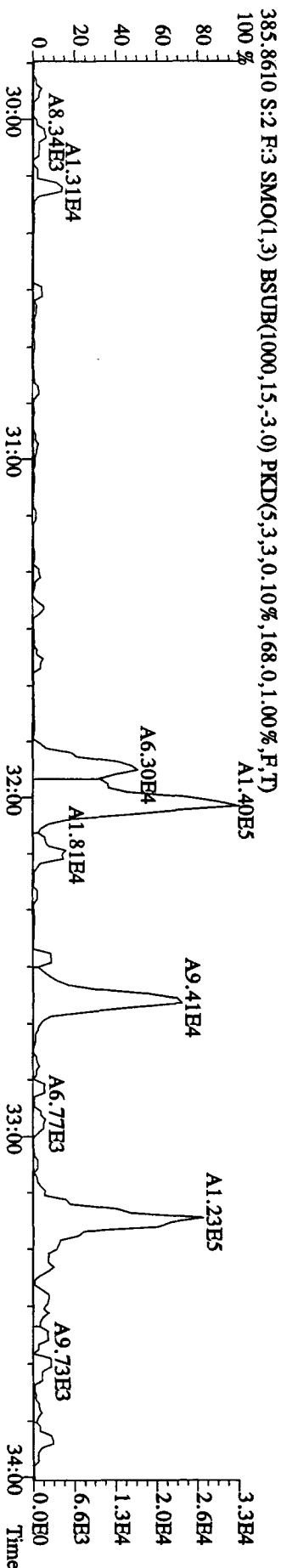
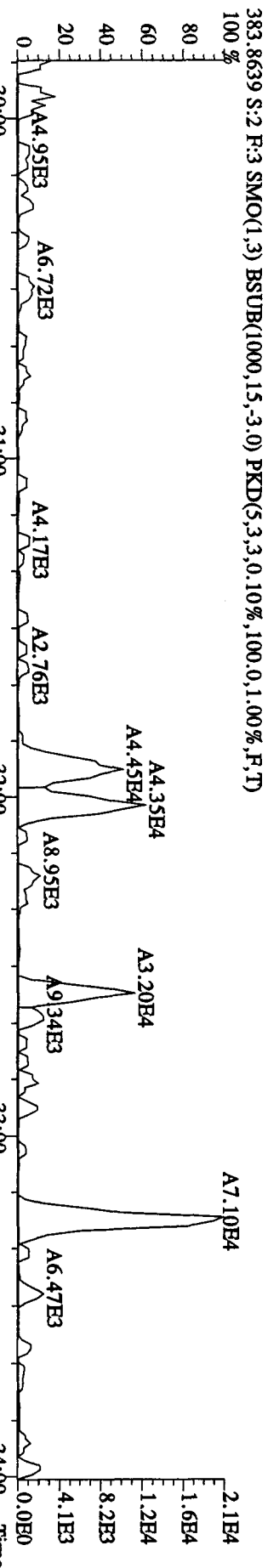
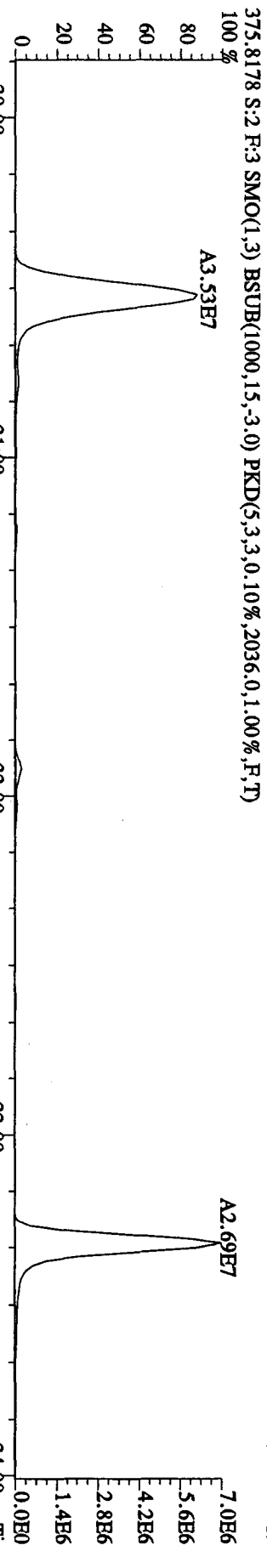
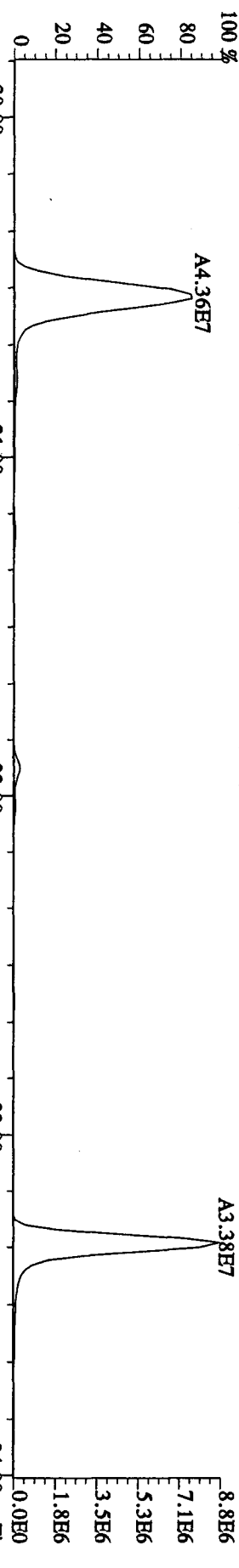
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0503 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 339.8597 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,360,0,1.00%,F,T)



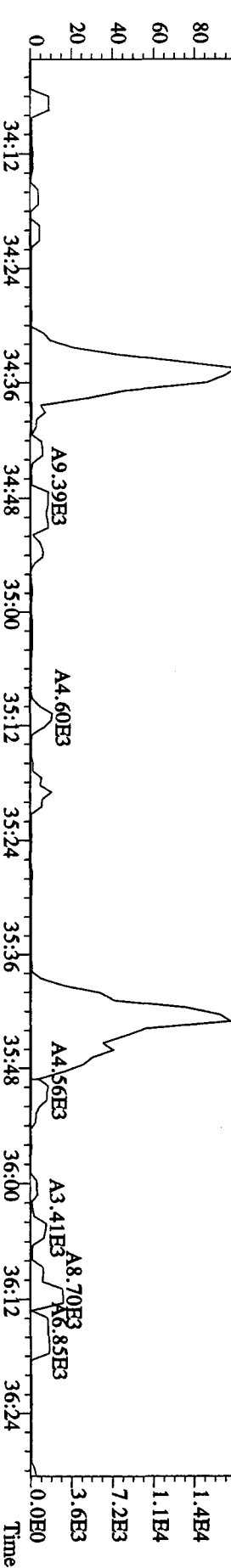
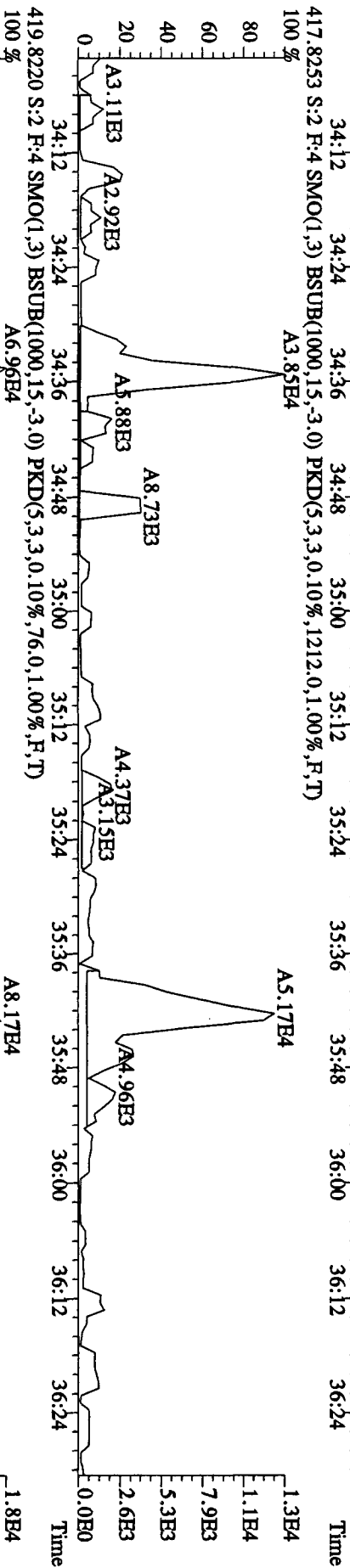
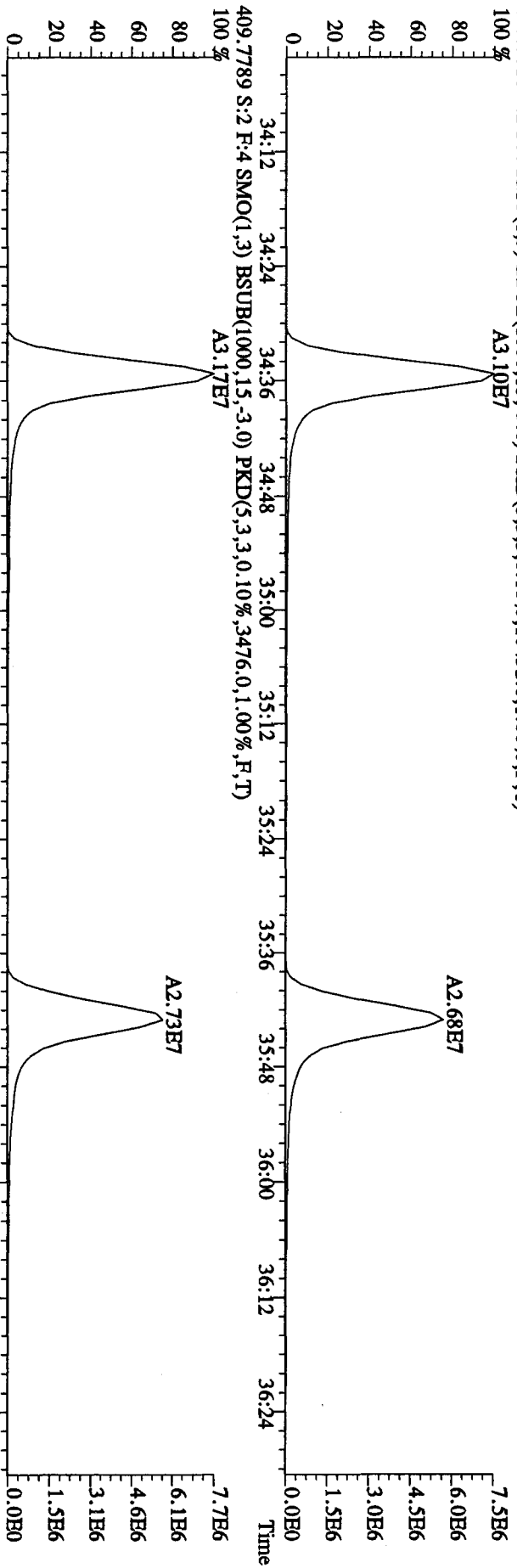
File: 03MAY10A4D5 #1-604 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text: CP0503 :DB-5 CPSM 3732-05 Exp: DIOXINRES8290A
 357.8516 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2116,0,1.00%,F,T)
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3068,0,1.00%,F,T)



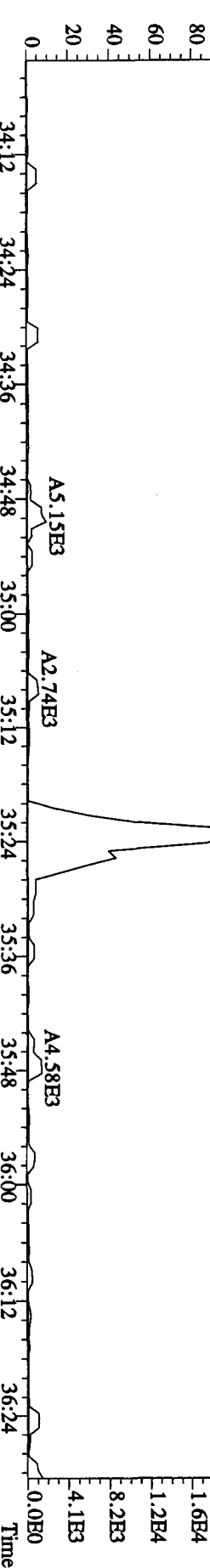
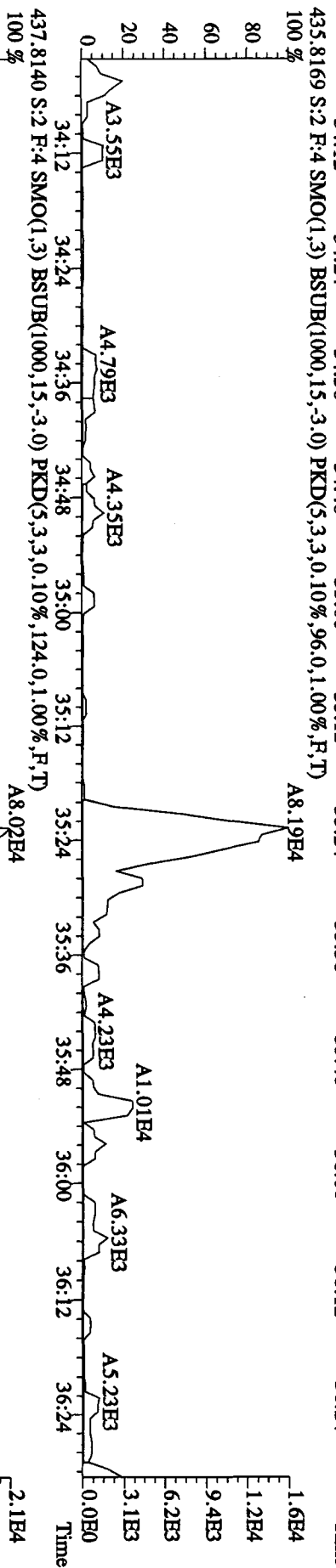
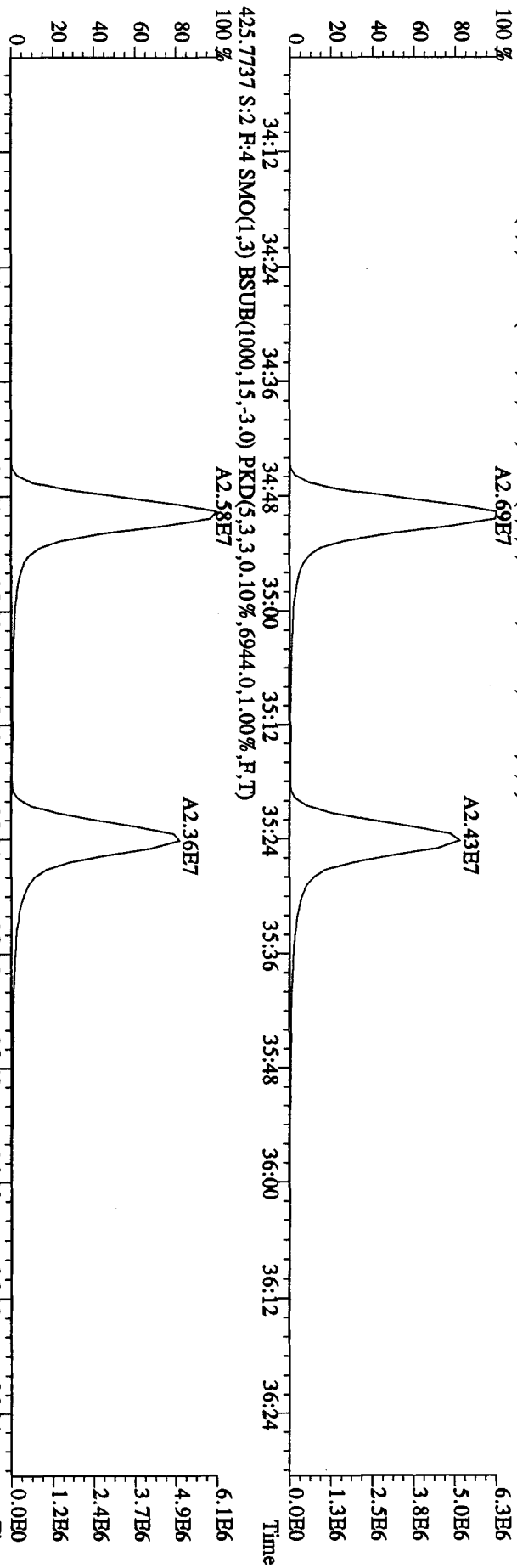
File:03MAY10AD5 #1-317 Acq: 3-MAY-2010 11:56:37 GC EI + Voltage SIR Autospec-UltimaB
 Sample#2 Text:CP0503 :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A
 373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,168.0,1.00%,F,T)



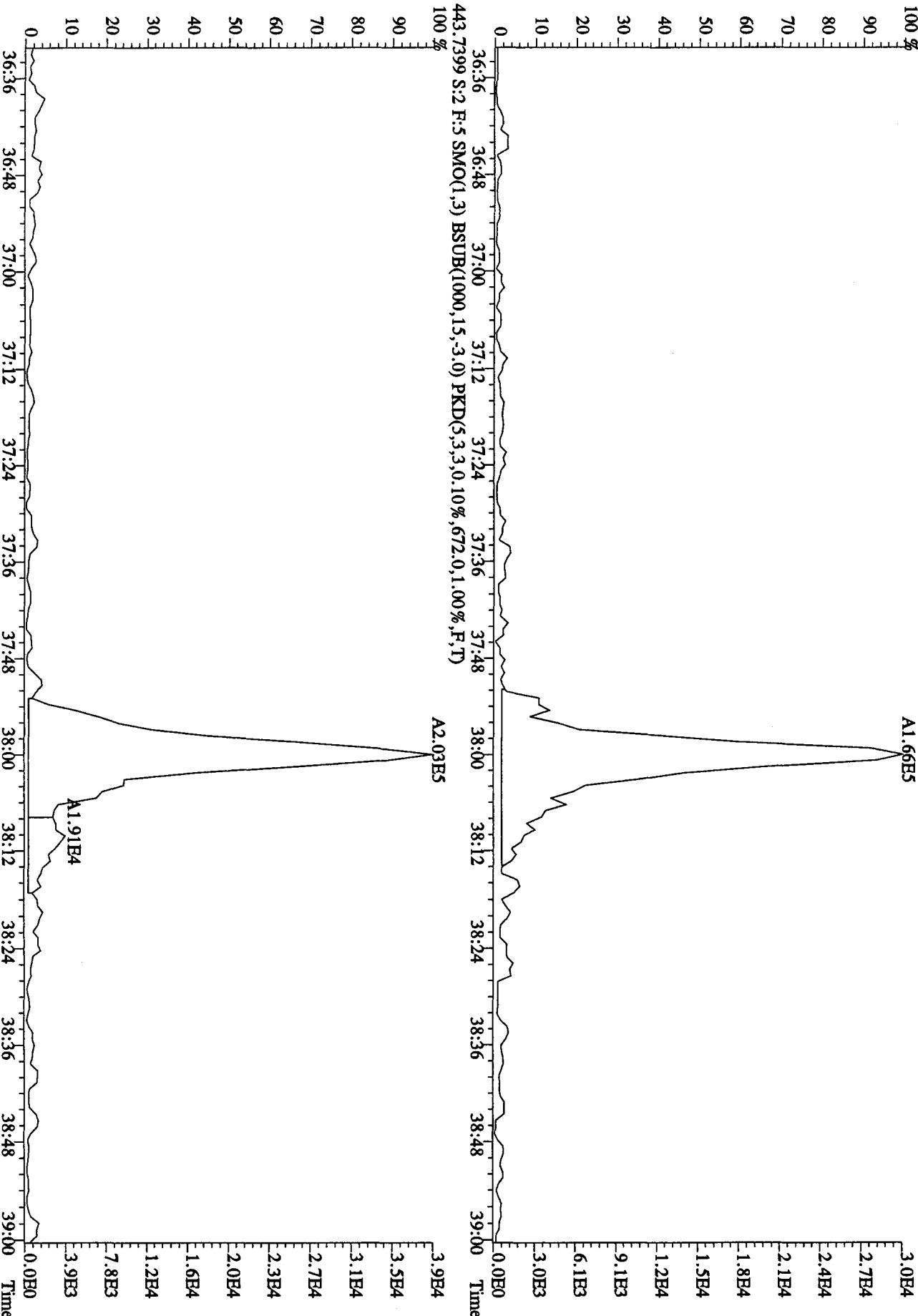
File:03MAY10A4D5 #1-198 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:CP0503 :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10432.0,1.00%,F,T)
 100%



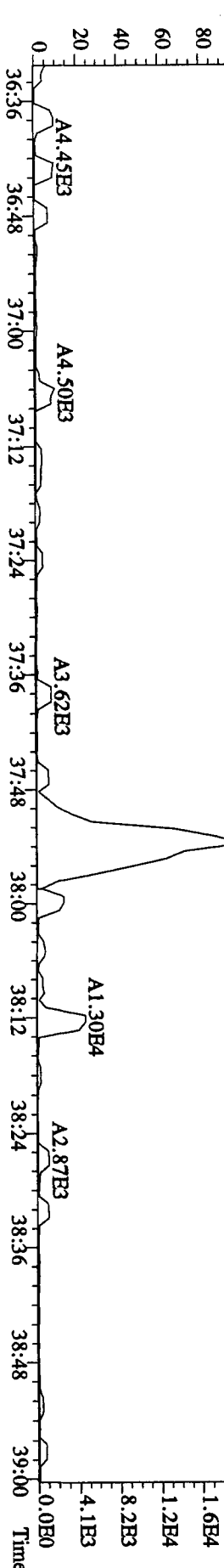
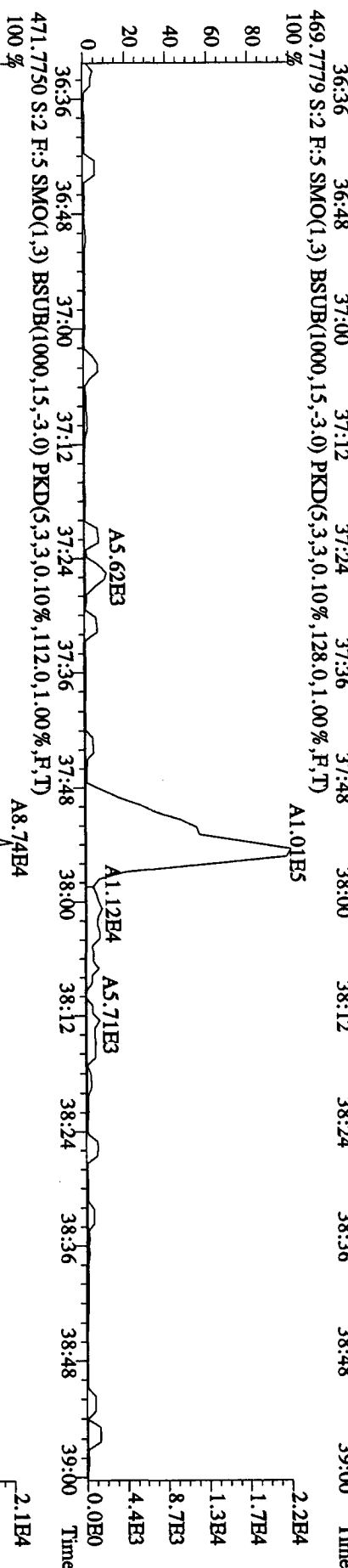
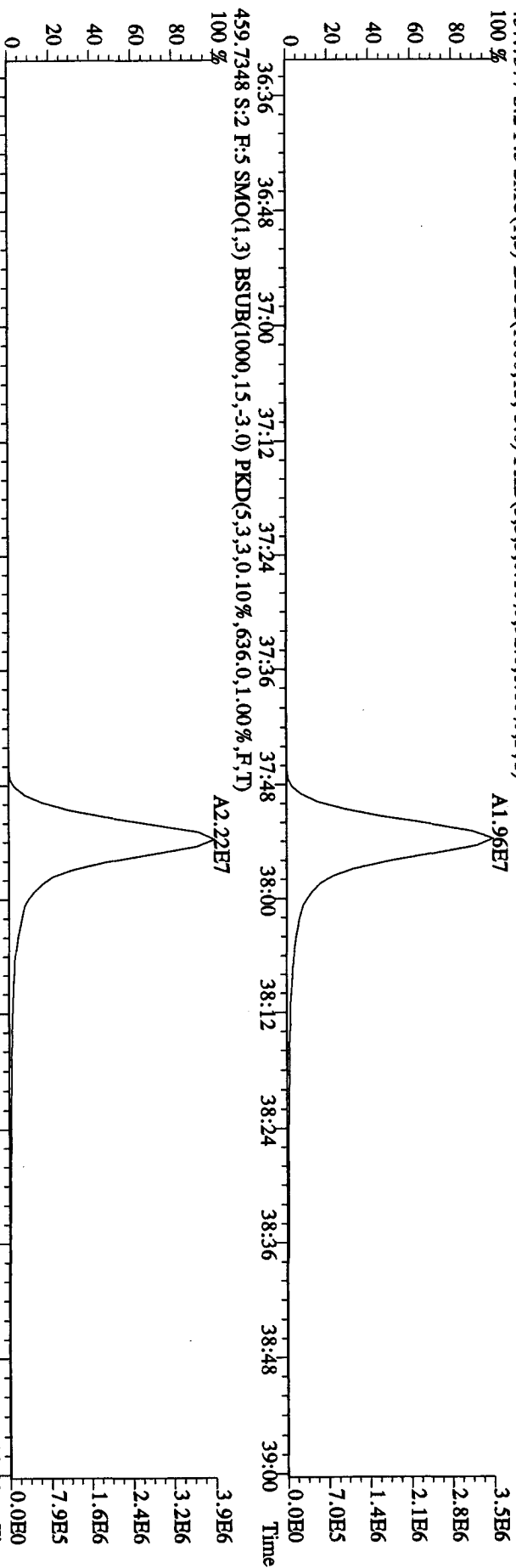
File:03MAY10A4D5 #1-198 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text:CP0503 :DB-5 CPSM 3732-05 Exp.:DIOXINRES8290A
 423.7766 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3304.0,1.00%,F,T)
 100 %



File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:CP0503 :DB-5 CPSM 3732-05 Exp.:DIOXINRES8290A
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,720.0,1.00%,F,T)
 100 %

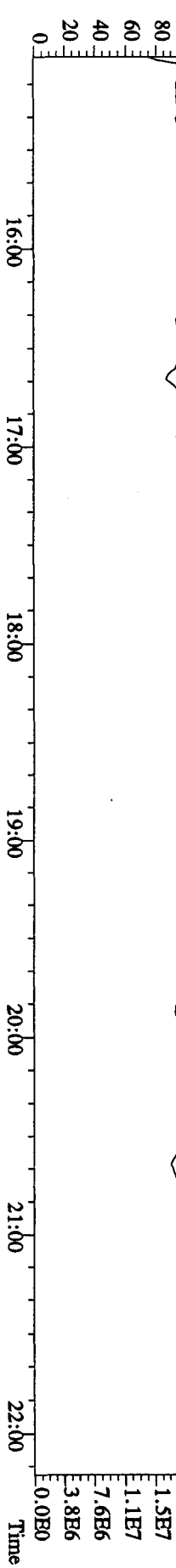


File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage S1R Autospec-UltimaE
 Sample#2 Text:CP0503 :DB-5 CP5M 3732-05 Exp:DIOXINRES8290A
 457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,92.0,1.00%,F,T)
 100%

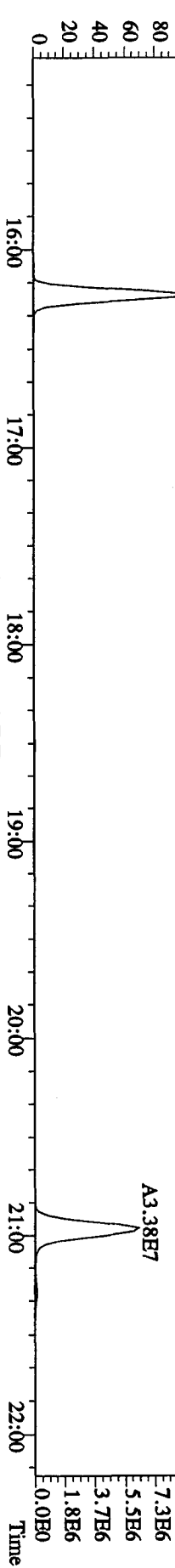


File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:CP0503 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

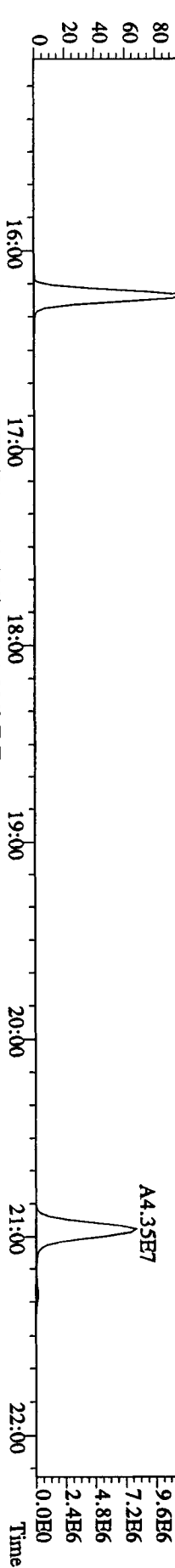
354.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 15:27 16:03 16:49 17:18 17:48 18:36 19:16 19:45 20:26 21:14 21:39 22:11 1.9E7



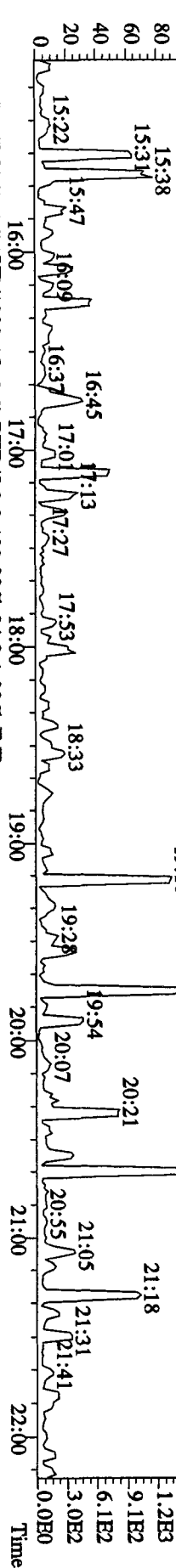
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,520.0,1.00%,F,T) 16:00 17:00 18:00 19:00 20:00 21:00 22:00 9.1E6



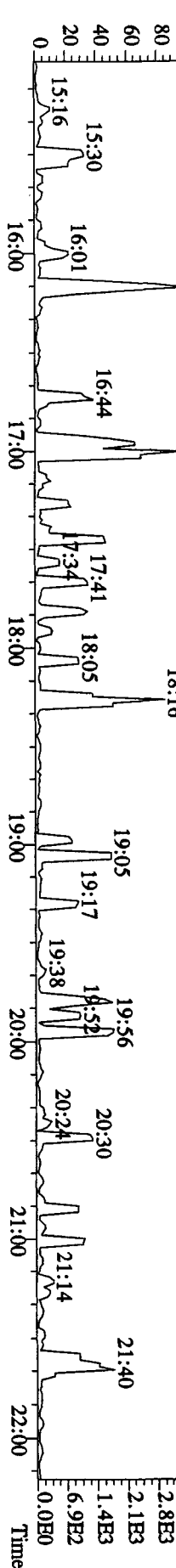
305.8987 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2848.0,1.00%,F,T) 16:00 17:00 18:00 19:00 20:00 21:00 22:00 1.2E7



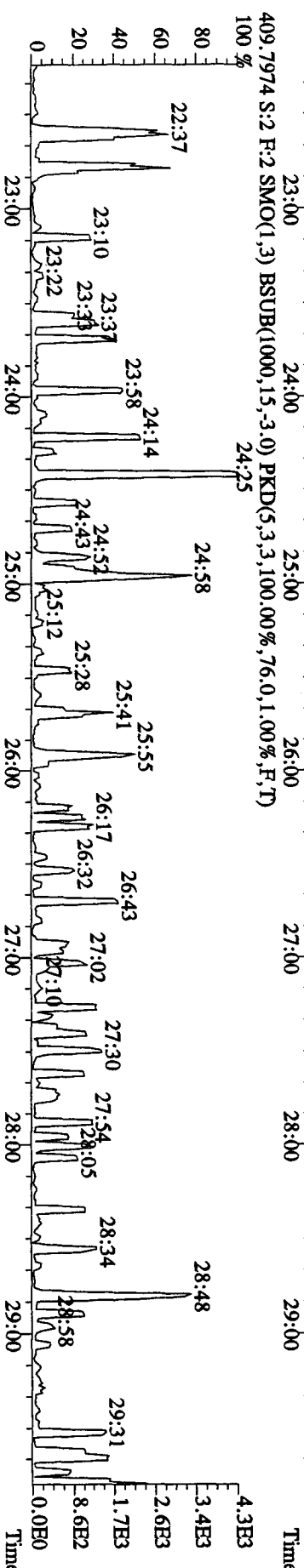
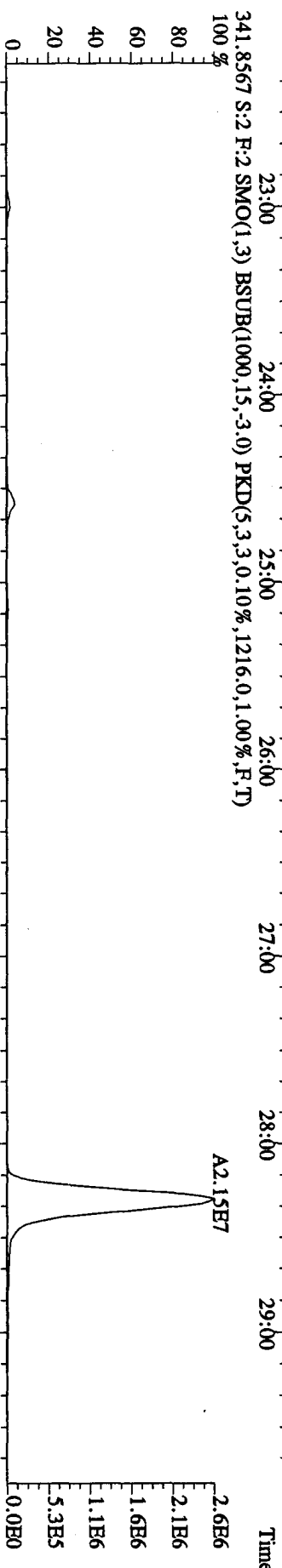
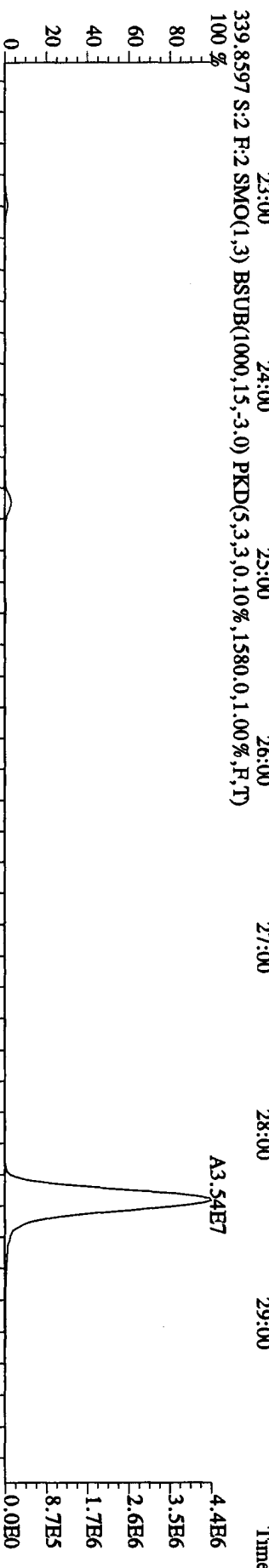
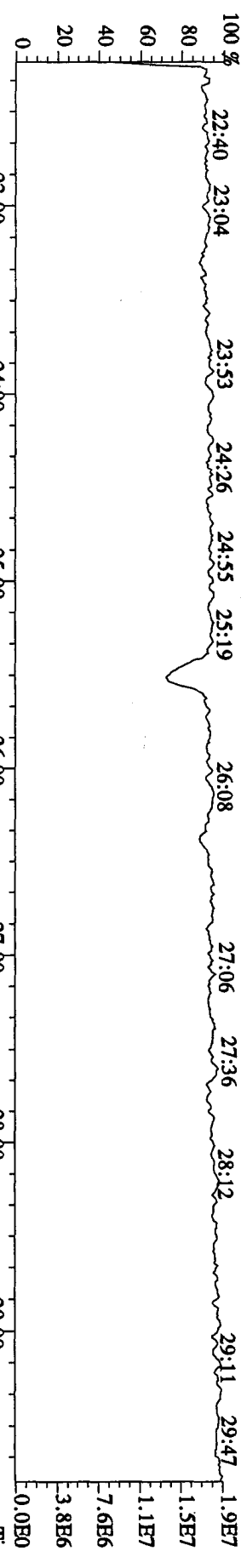
375.8364 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,88.0,1.00%,F,T) 16:00 17:00 18:00 19:00 20:00 21:00 22:00 1.5E3



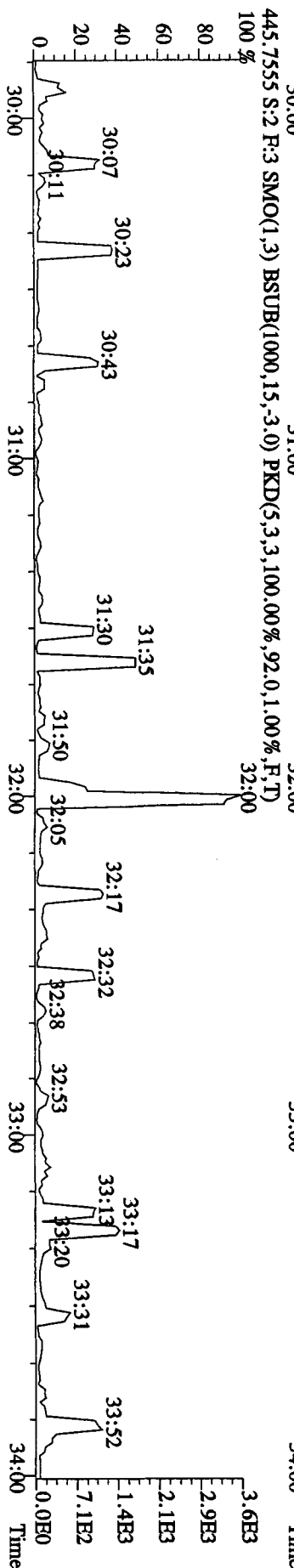
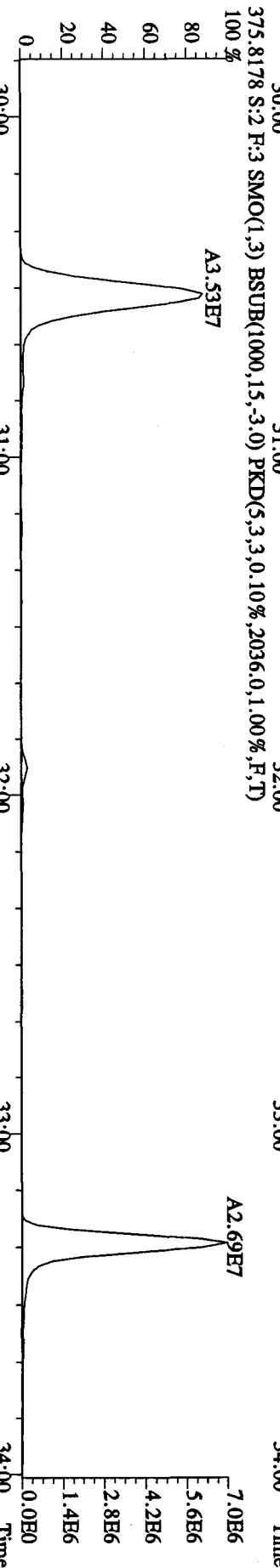
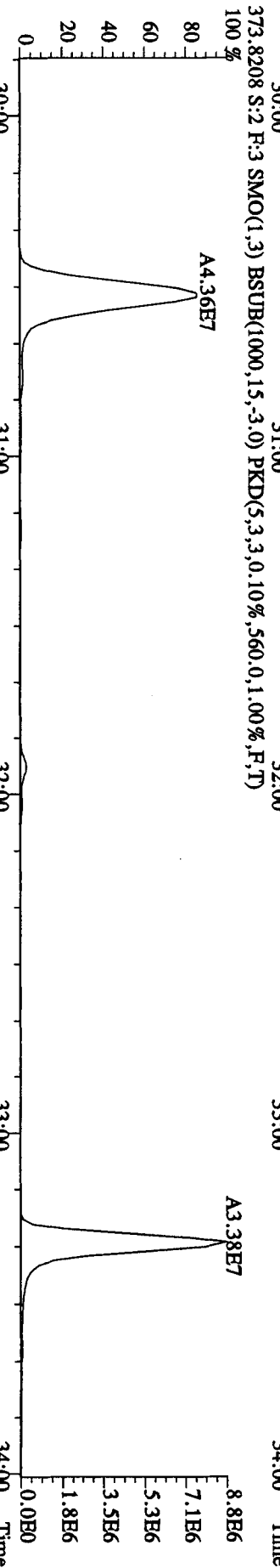
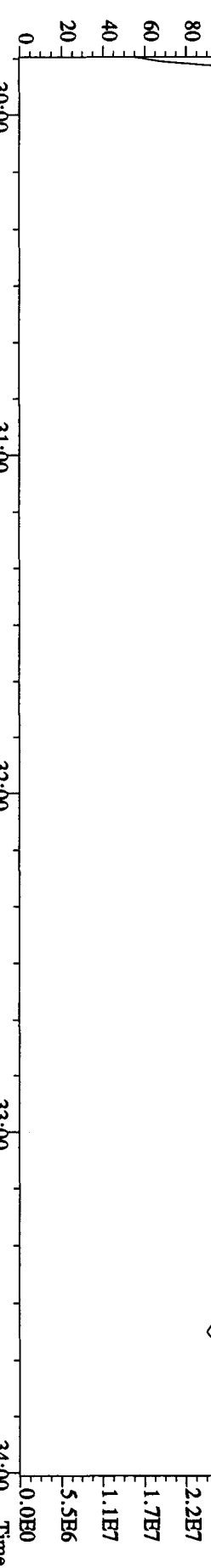
409.7974 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,84.0,1.00%,F,T) 16:00 17:00 18:00 19:00 20:00 21:00 22:00 3.5E3



File:03MAY10A4D5 #1-604 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:CP0503 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A
 354.9792 S:2 F:2 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



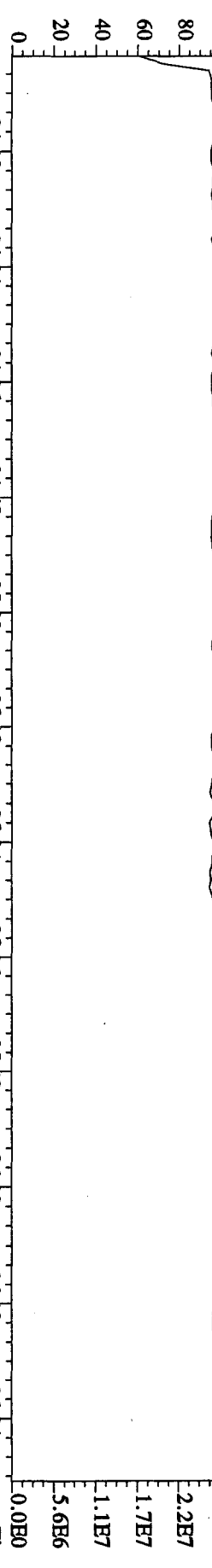
File:03MAY10A4D5 #1-317 Acq: 3MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:CP0503 :DB-5 CP5M 373-05 Exp:DIOXINRES8290A
 430.9728 S:2 F:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,100%,F,T)
 100% 30:07 30:22 30:34 30:52 31:18 31:37 32:10 32:26 32:40 33:07 33:29 33:46



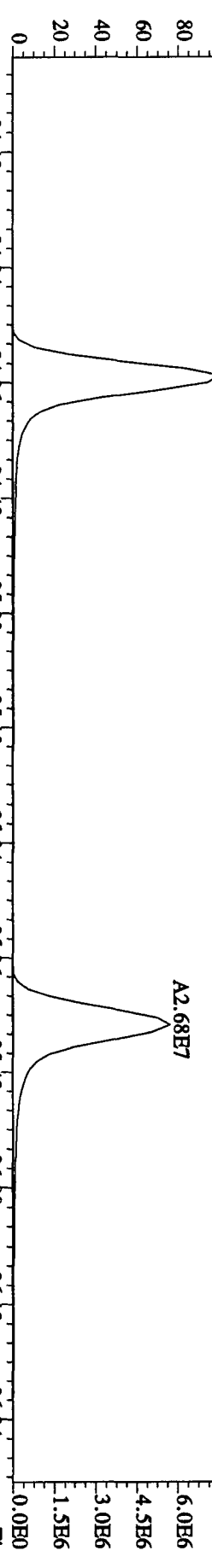
File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-UltimaE

Sample#2 Text:CP0503 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

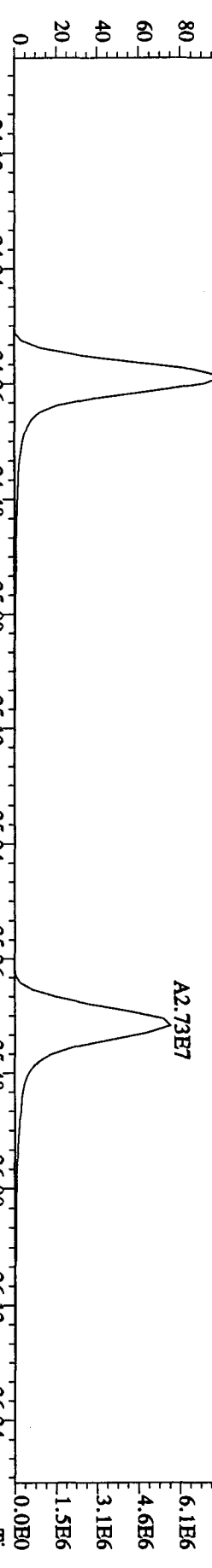
430.9728 S:2 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



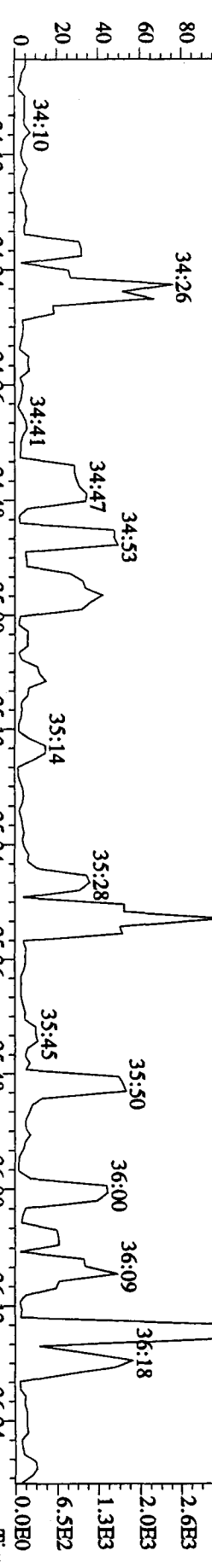
407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10432.0,1.00%,F,T)



409.7789 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3476.0,1.00%,F,T)



479.7165 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,156.0,1.00%,F,T)

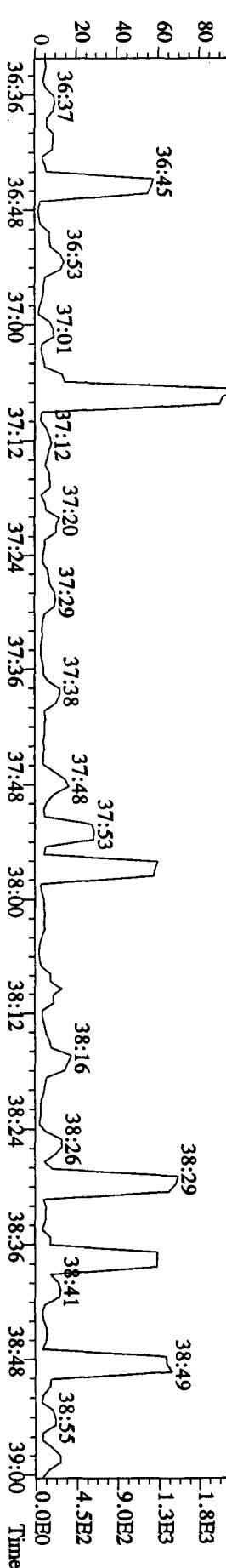
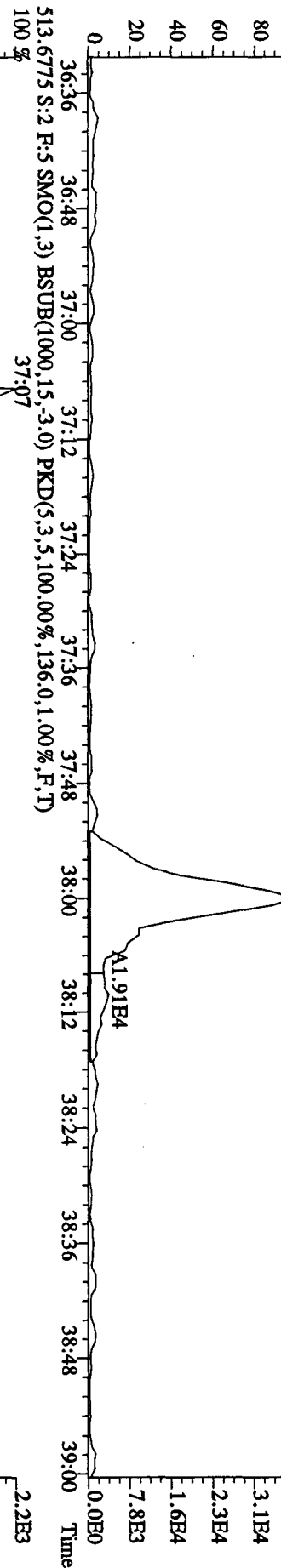
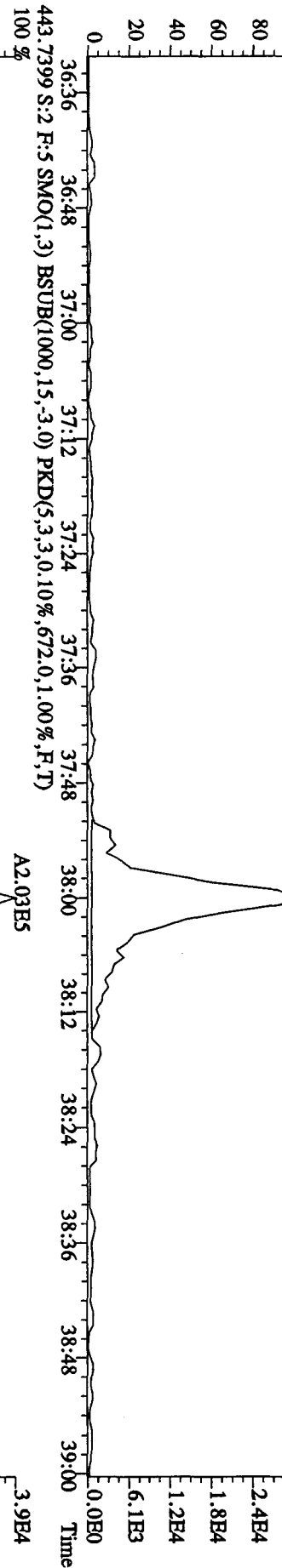
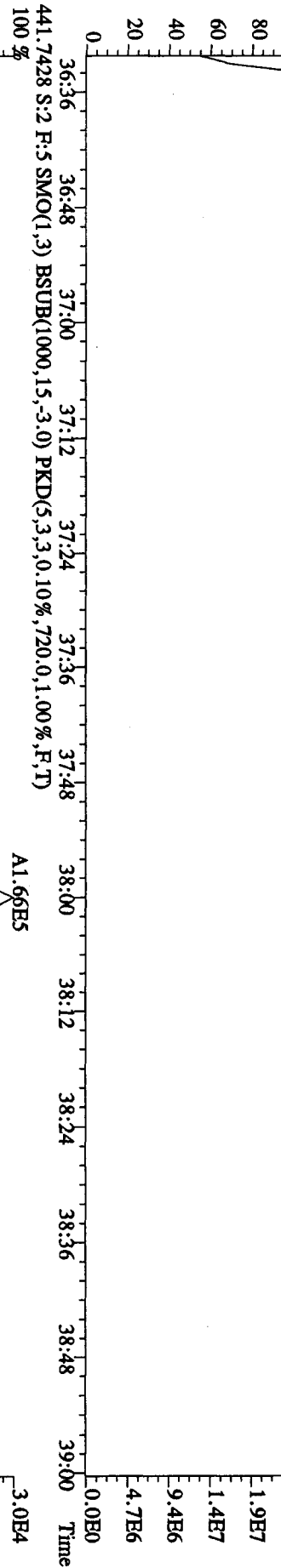


File:03MY10AA4D5 #1-190 Acq: 3-MAY-2010 11:56:37 GC EI+ Voltage SIR Autospec-Ultimate

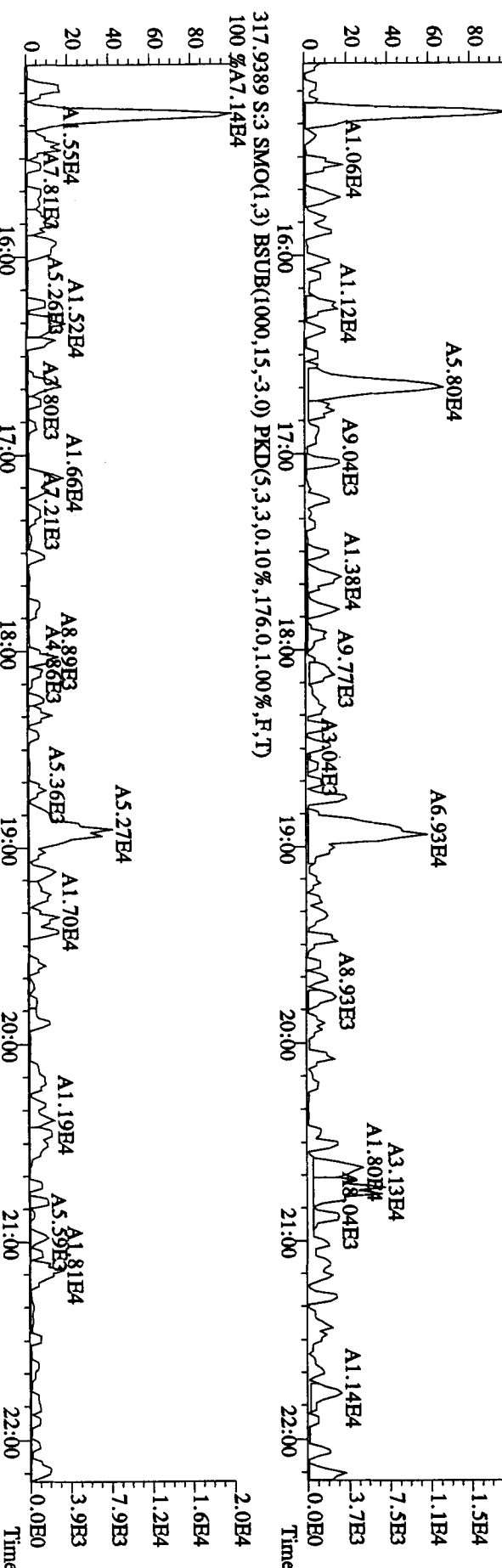
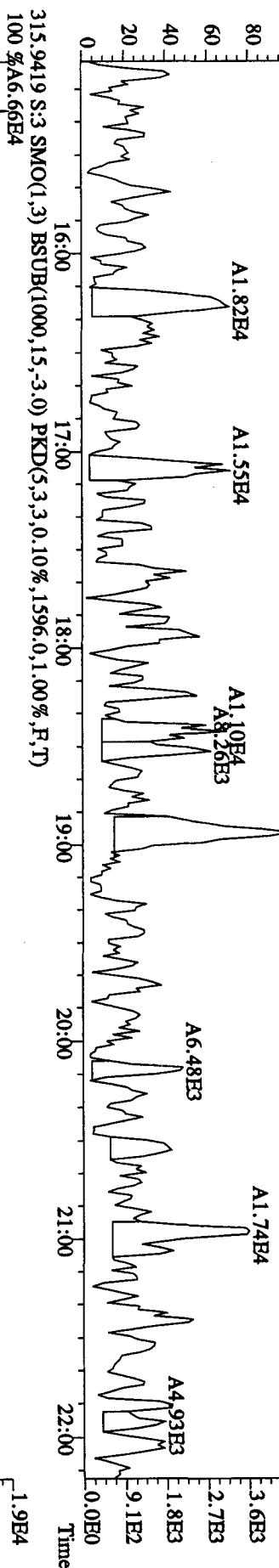
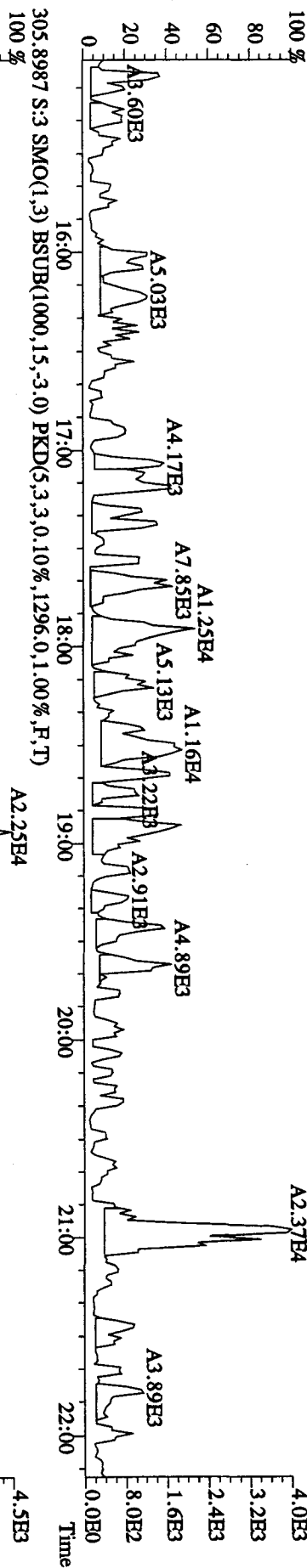
Sample#2 Text:CP0503 :DB-5 CPSM 3732-05 Exp:DIOXINRES8290A

442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

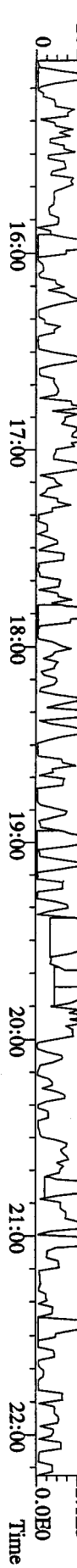
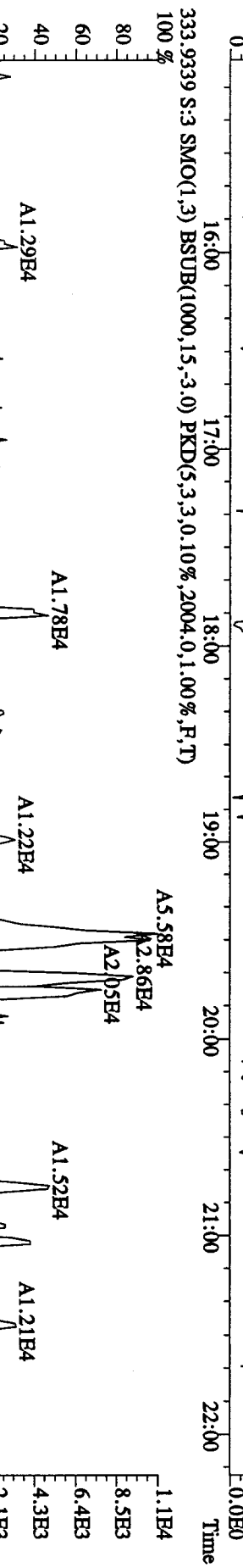
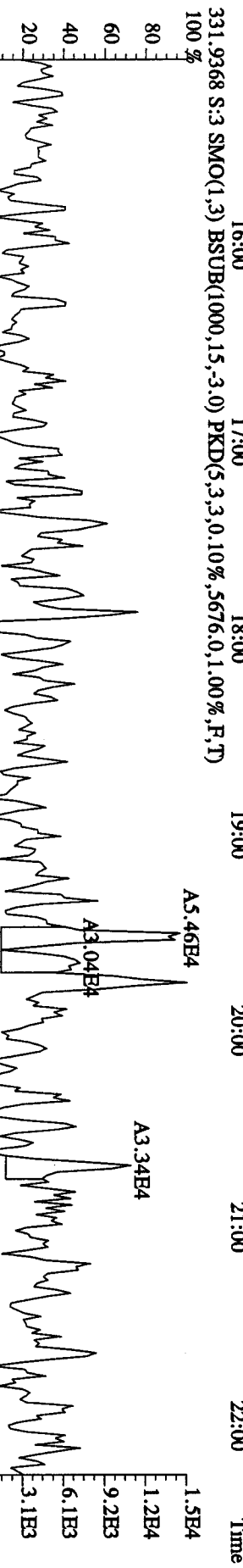
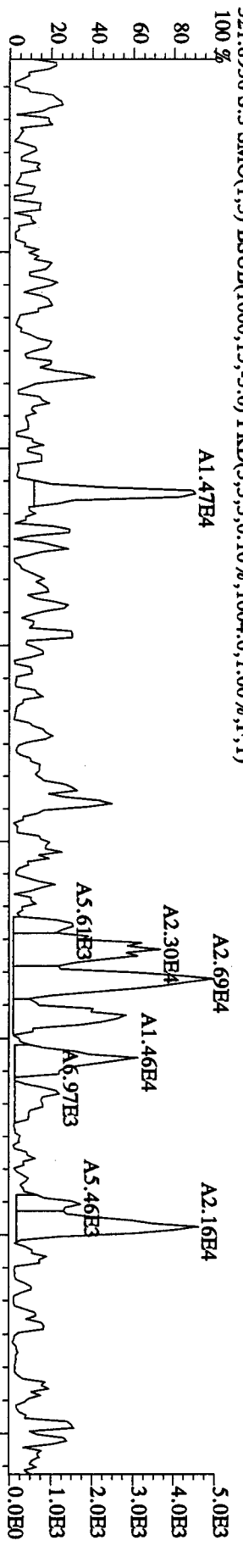
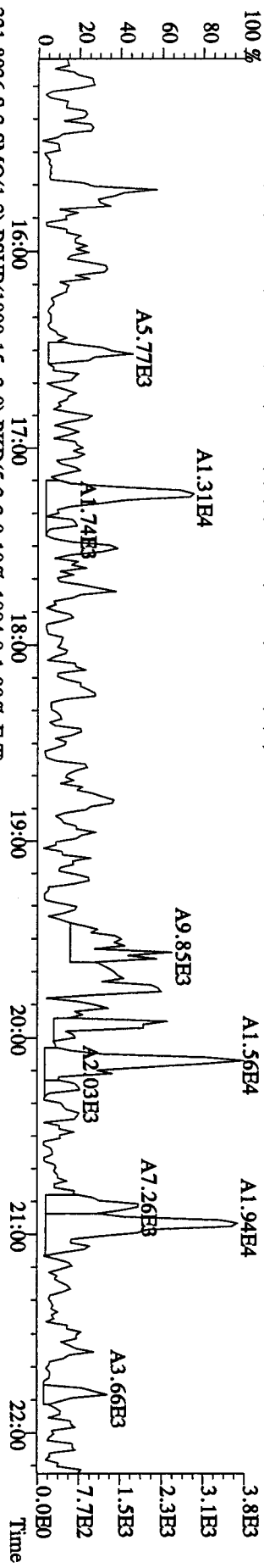
100% 36:39 36:53 37:00 37:09 37:22 37:29 37:41 37:51 38:02 38:12 38:23 38:34 38:42 38:53



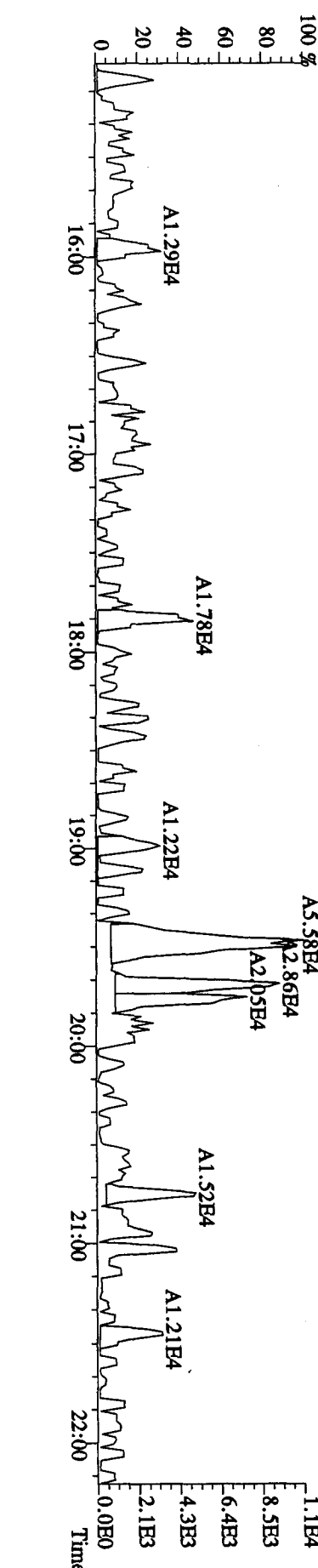
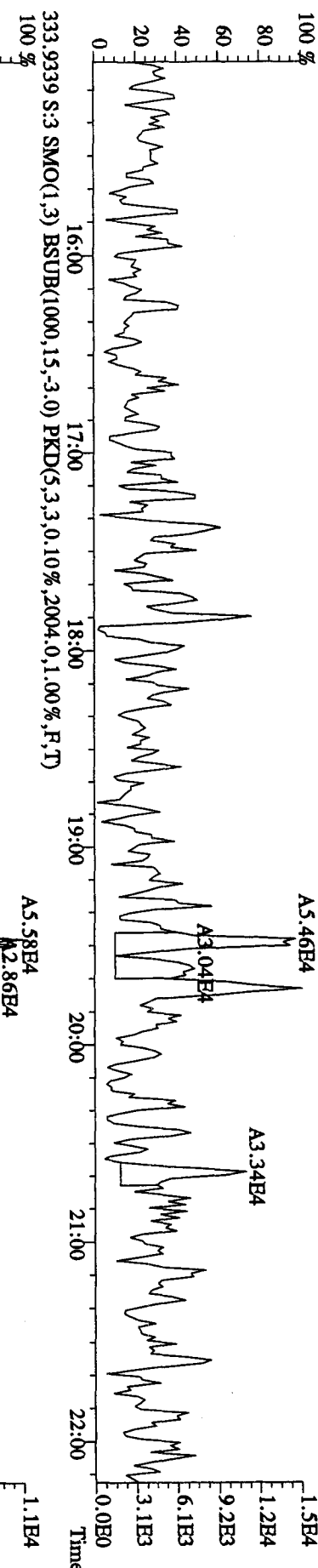
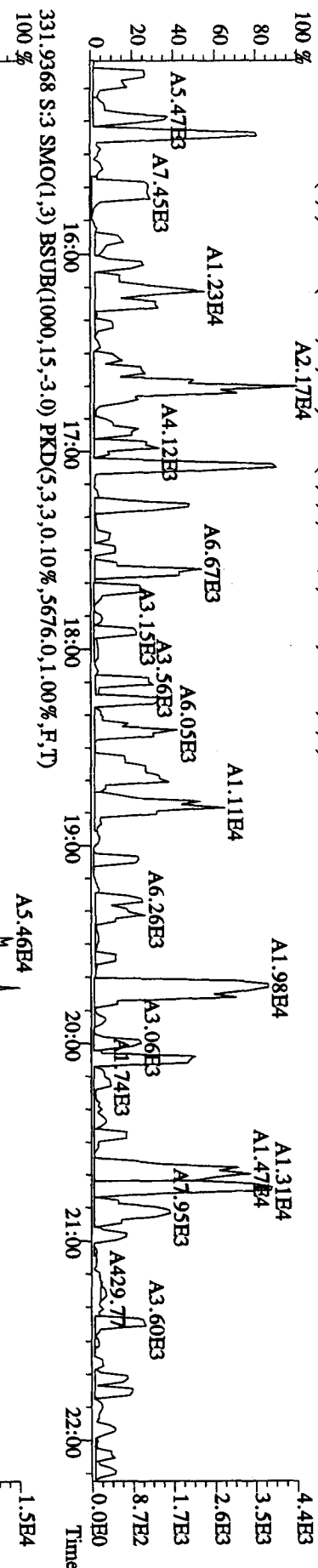
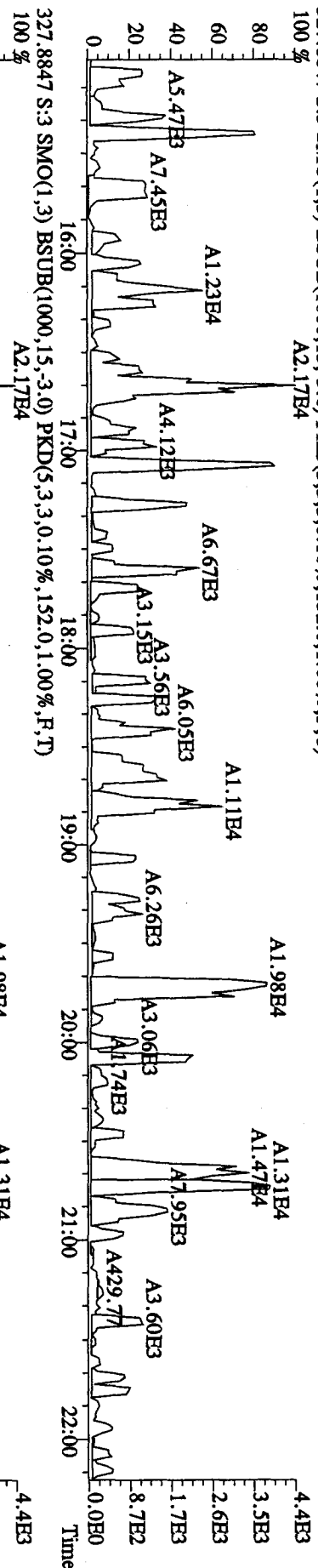
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 12:40:45 GC EI + Voltage S1R Autospec-Ultimate
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,552.0,1.00%,F,T)



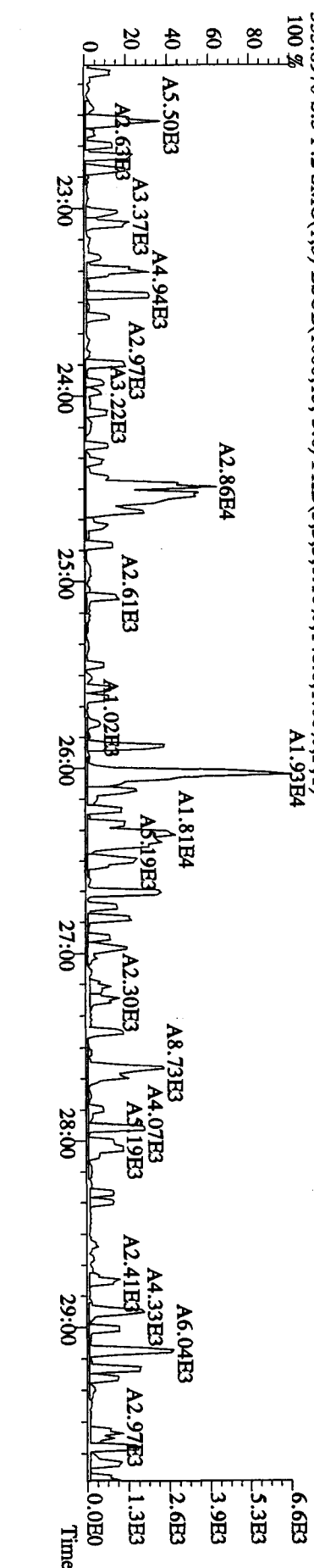
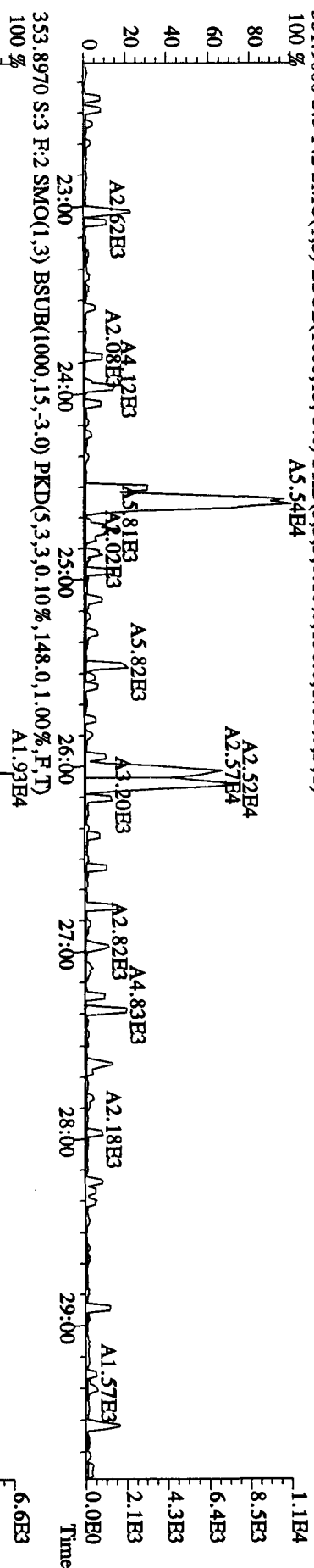
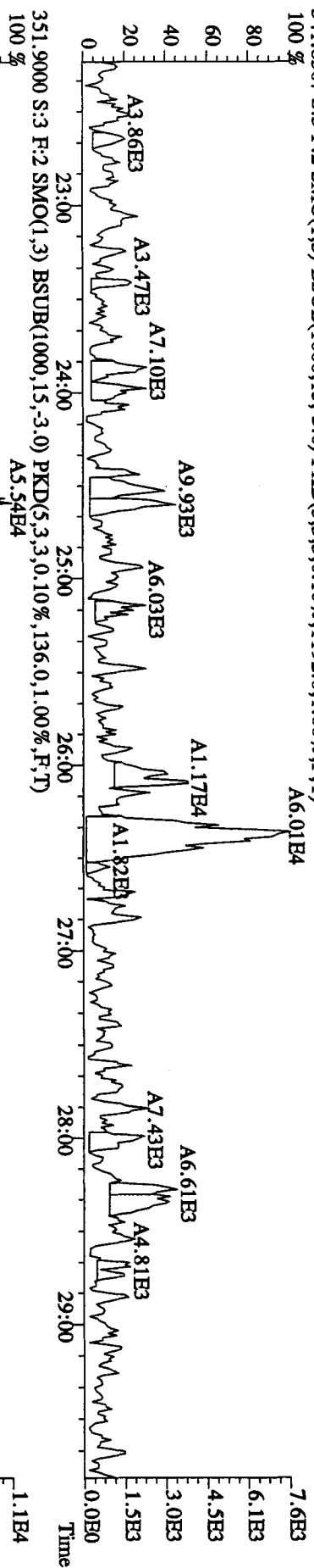
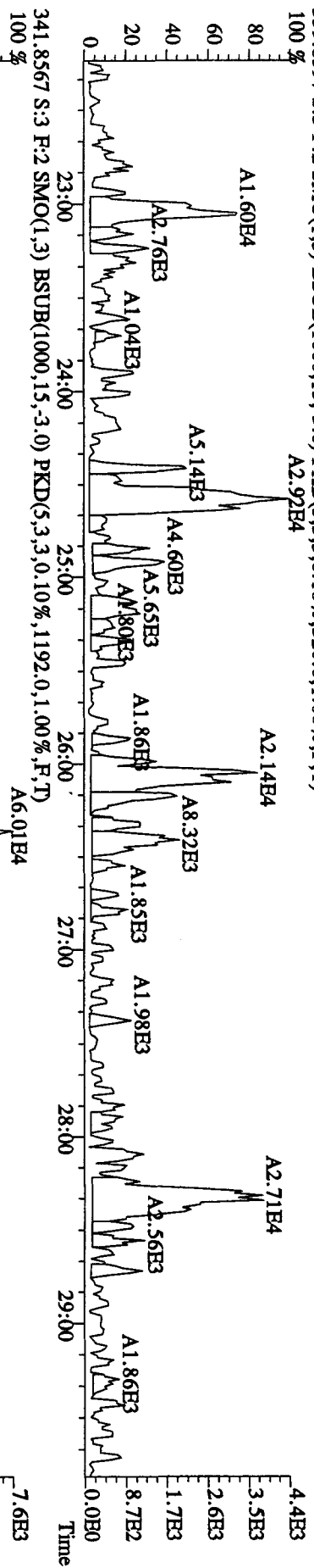
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 12:40:45 GC HI + Voltage SDR Autospec-UltimaB
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.824,0.1,0.0%,F,T)
 100 %



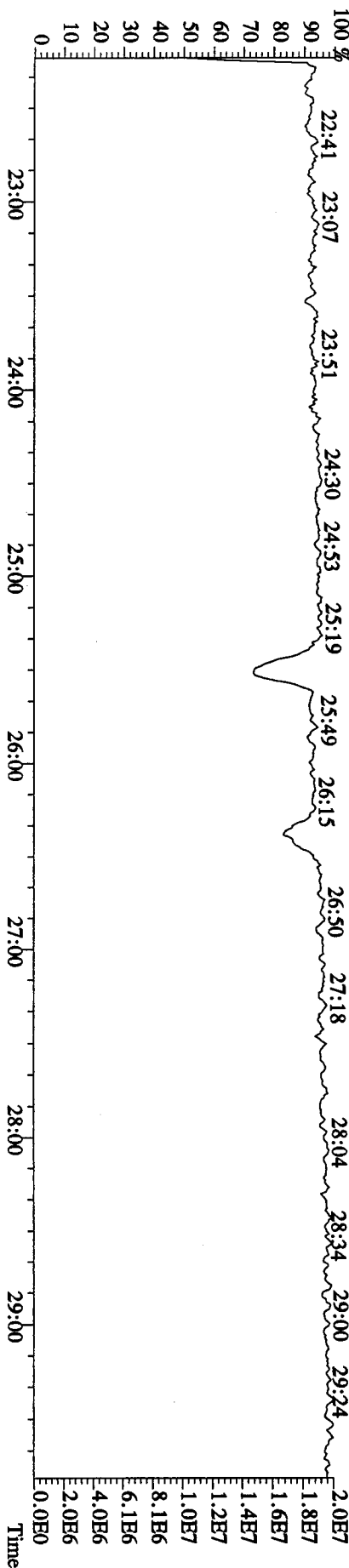
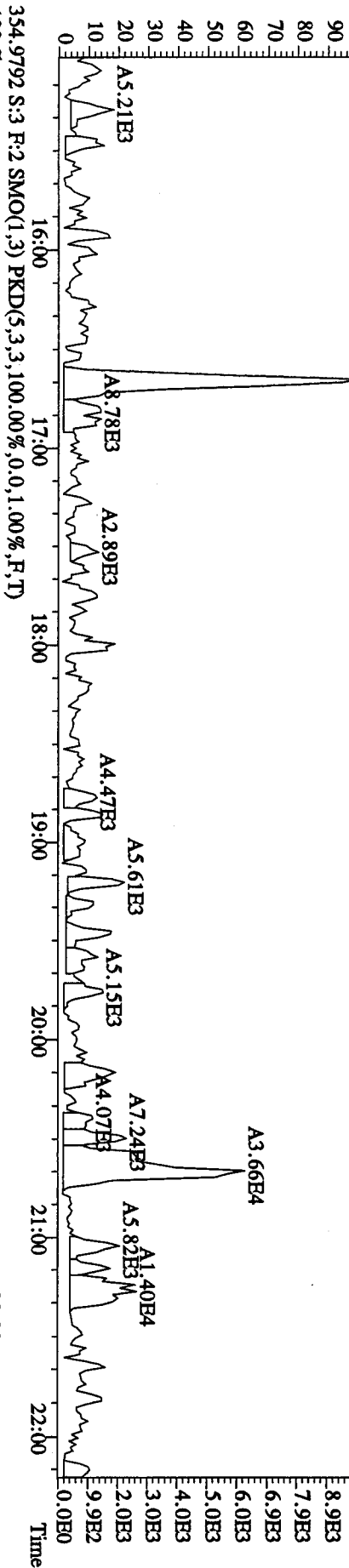
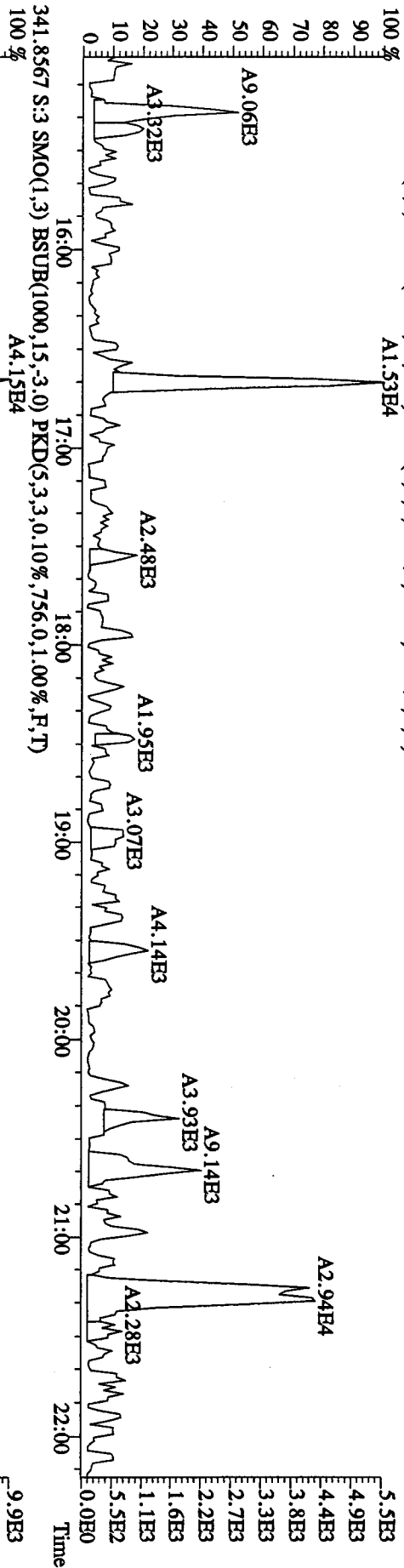
File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,152.0,1.00%,F,T)
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,152.0,1.00%,F,T)



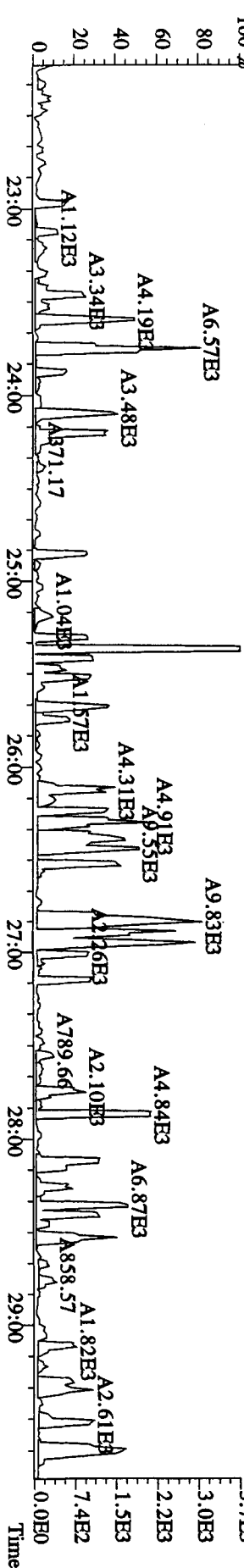
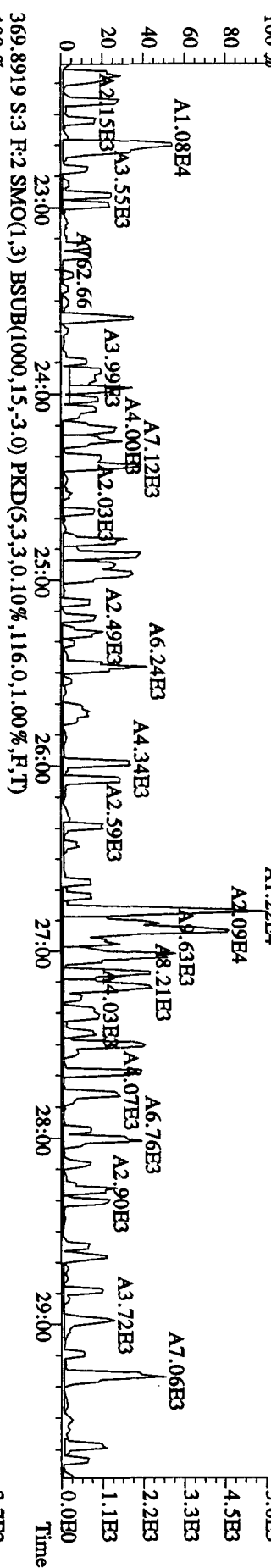
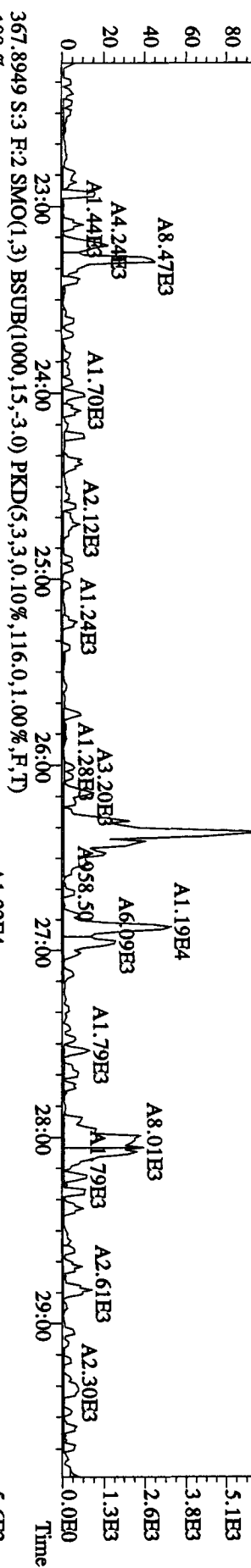
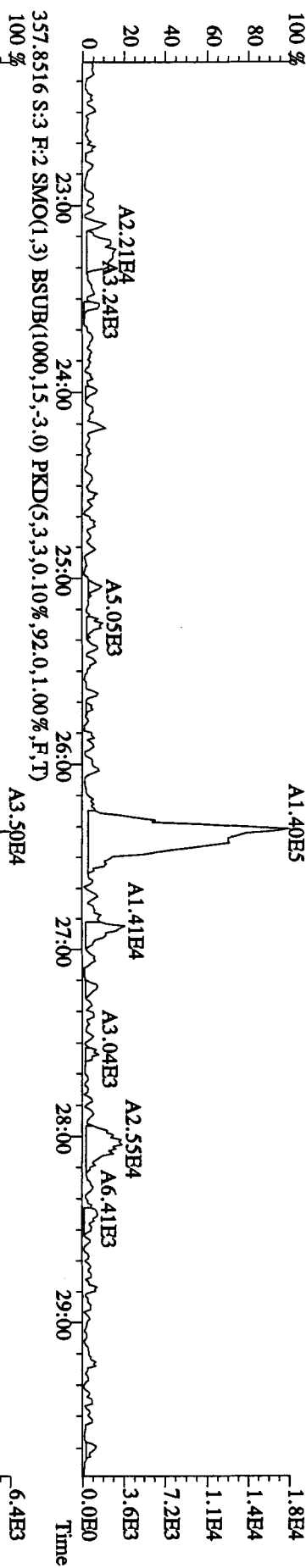
File:03MY10A4D5 #1-605 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,520.0,1.00%,F,T)
 A2.92E4



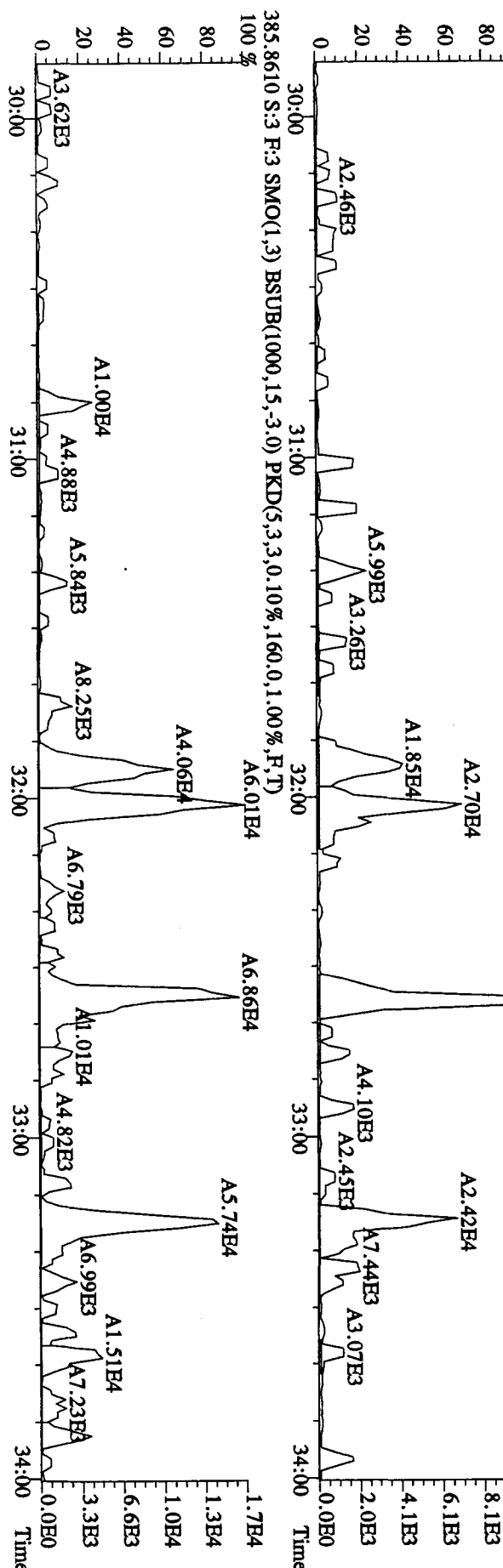
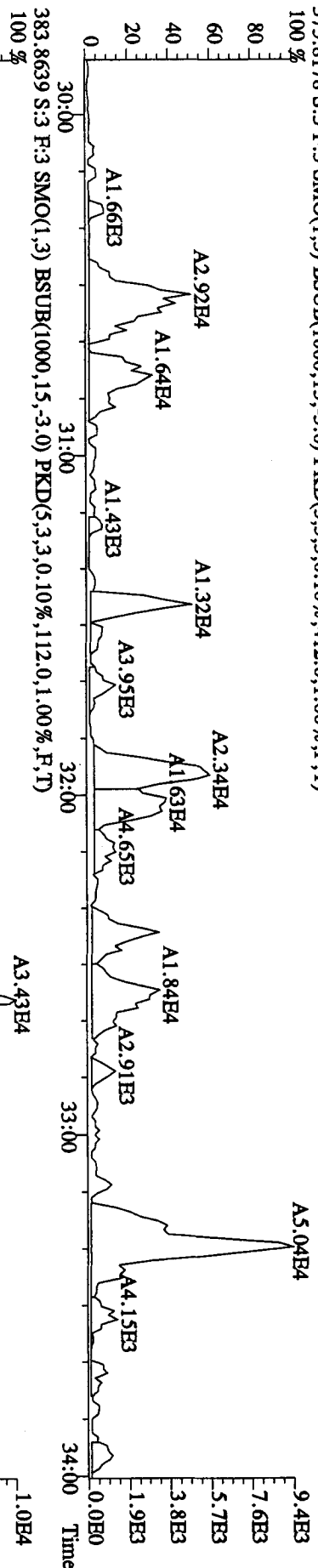
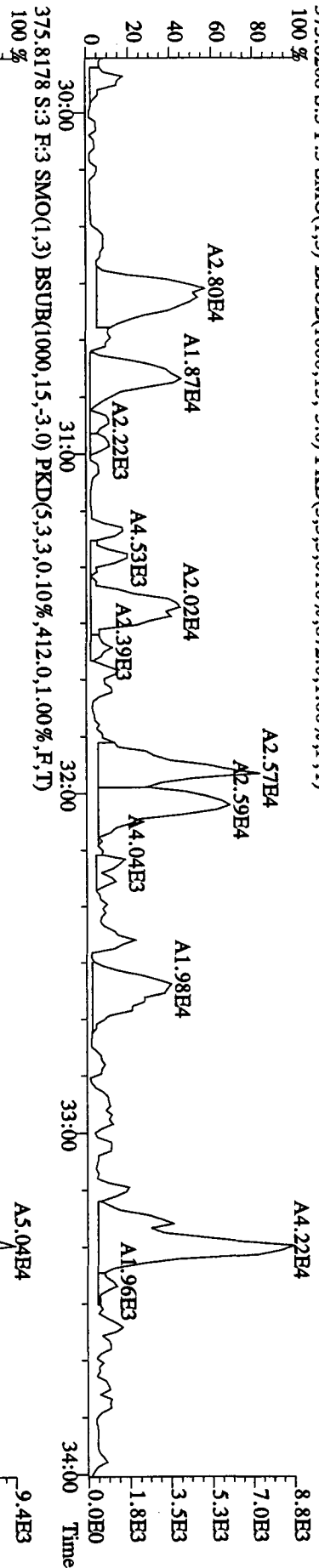
File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 339.8597 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,648,0,1.00%,F,T)
 100% A1.53E4



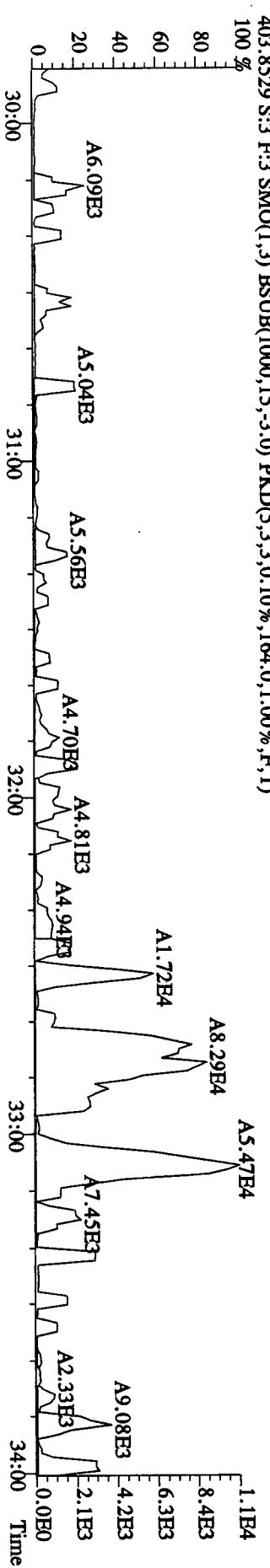
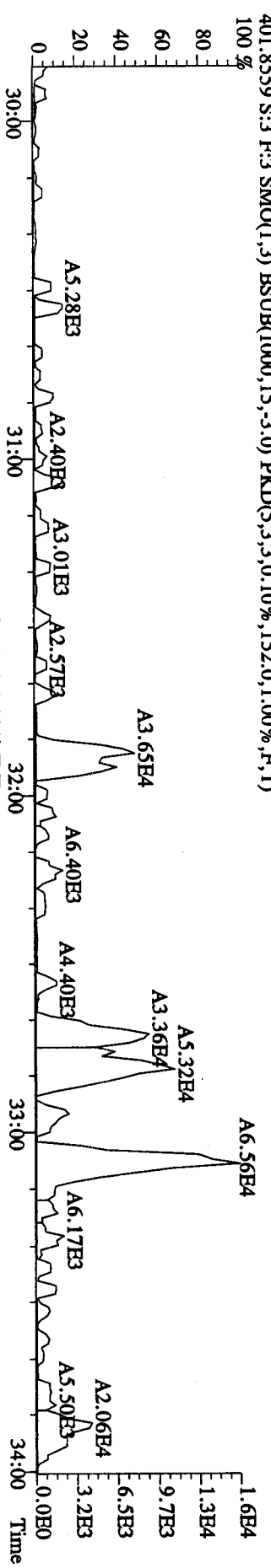
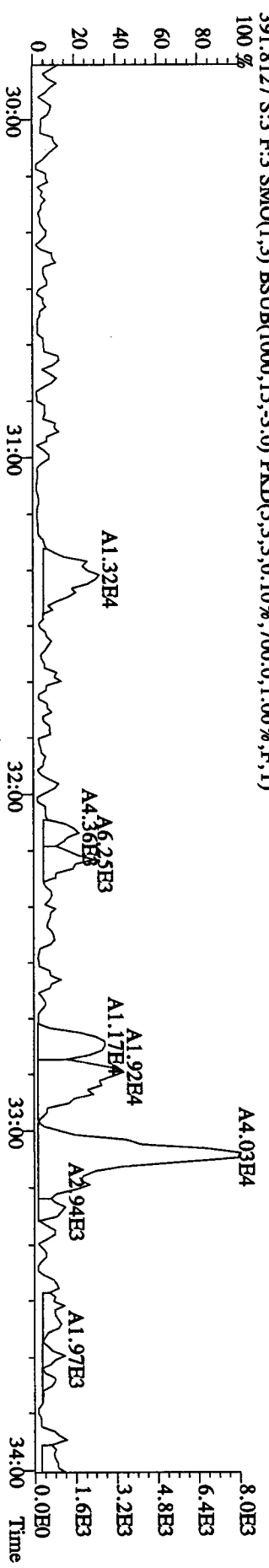
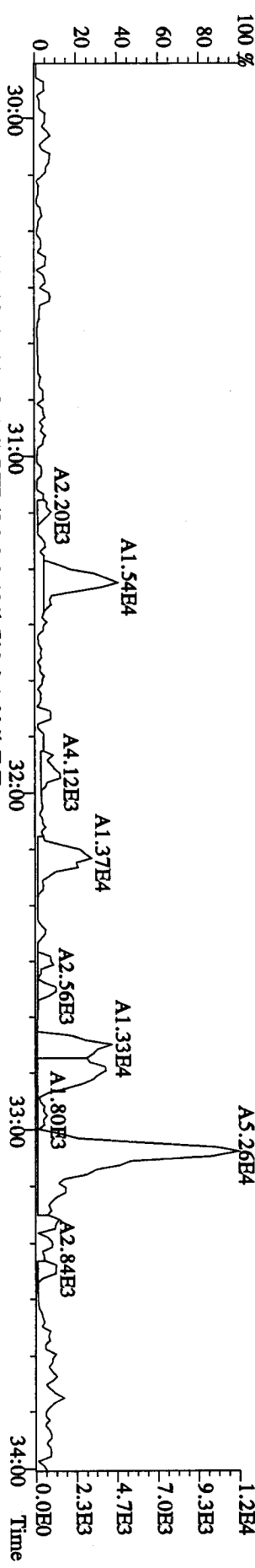
File:03M\T10A4D5 #1-605 Acq: 3-MAY-2010 12:40:45 GC EI + Voltage SFR Autospec-Ultimate
 Sample#3 Text:SI80503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,804,0,1.00%,F,T)



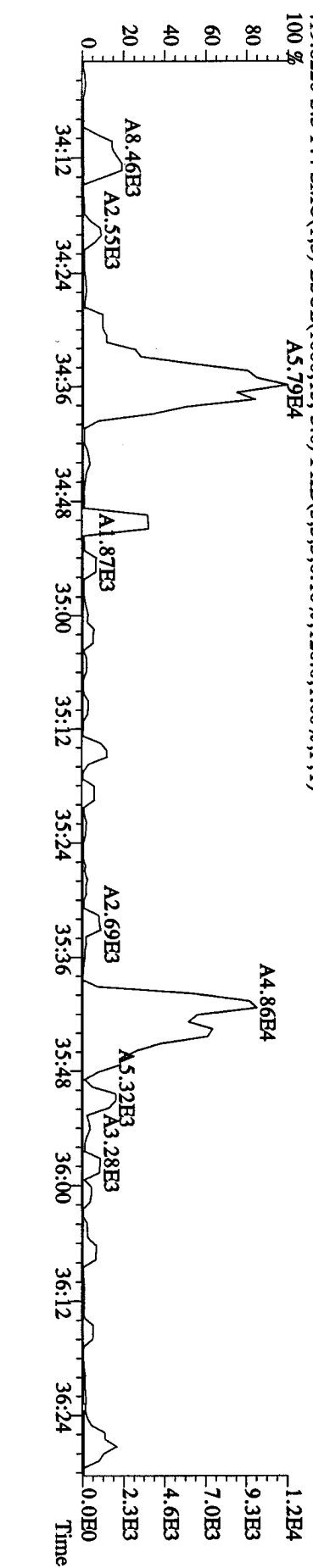
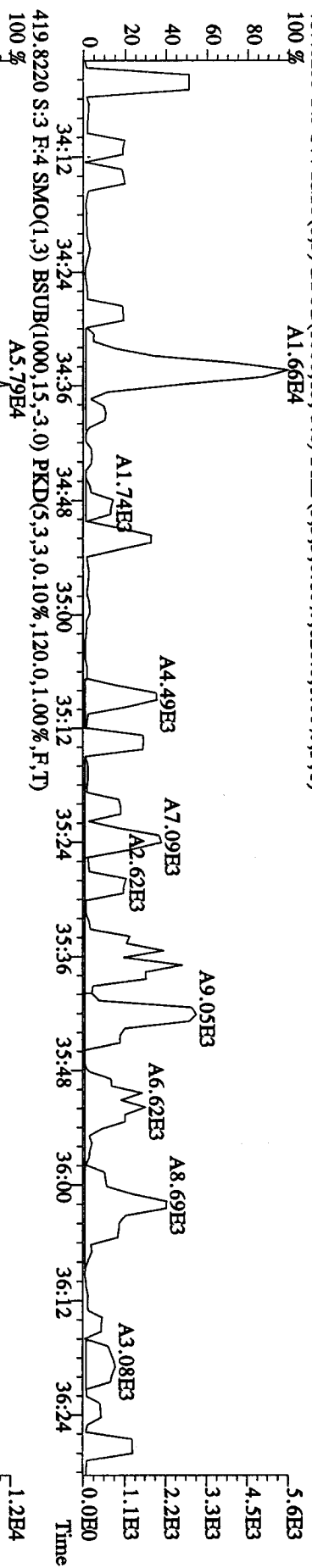
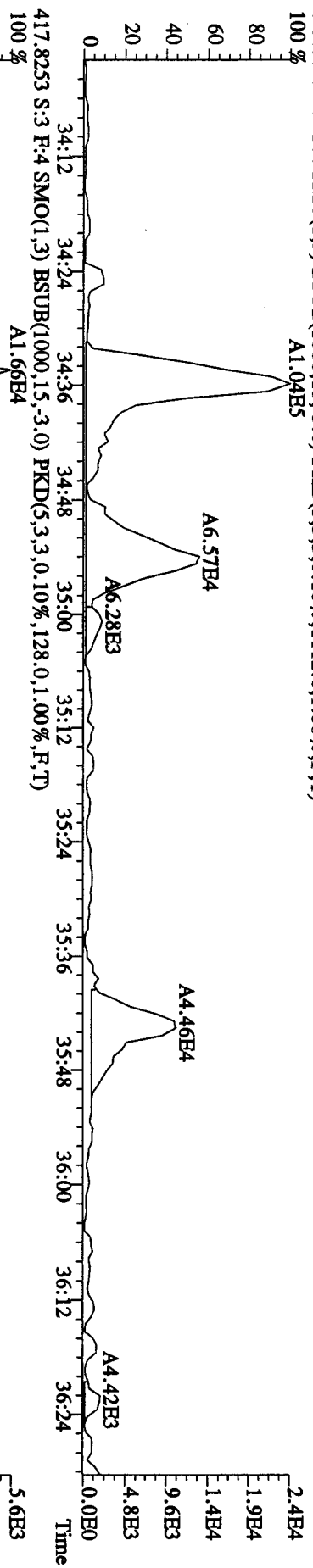
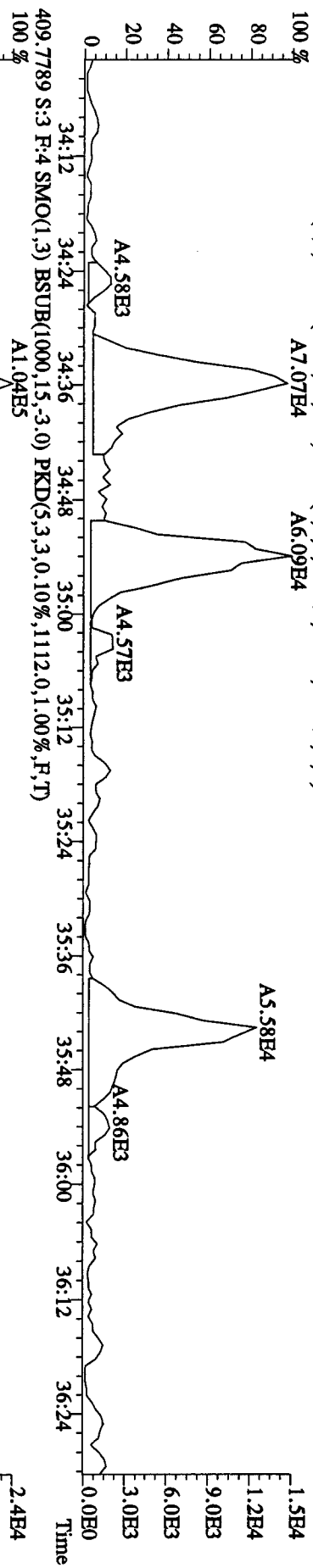
File:03MAY10A4D5 #1-316 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,872.0,1.00%,F,T)
 100 %



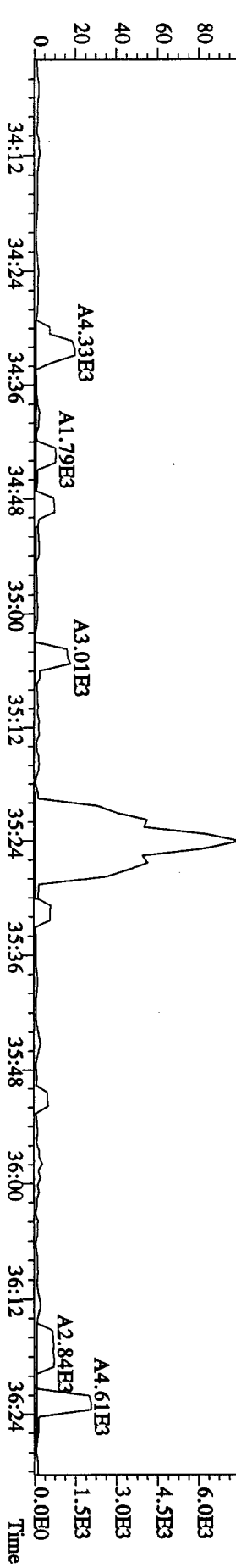
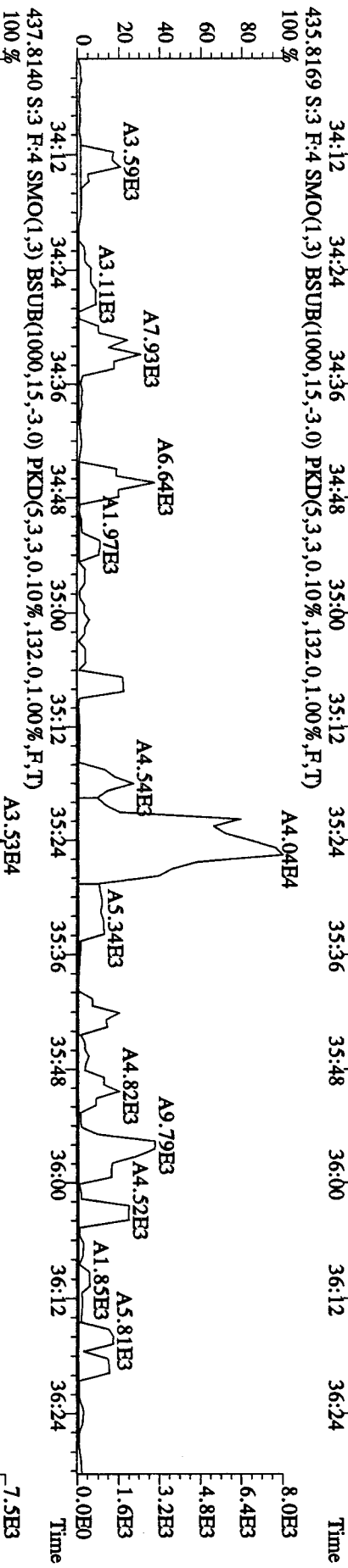
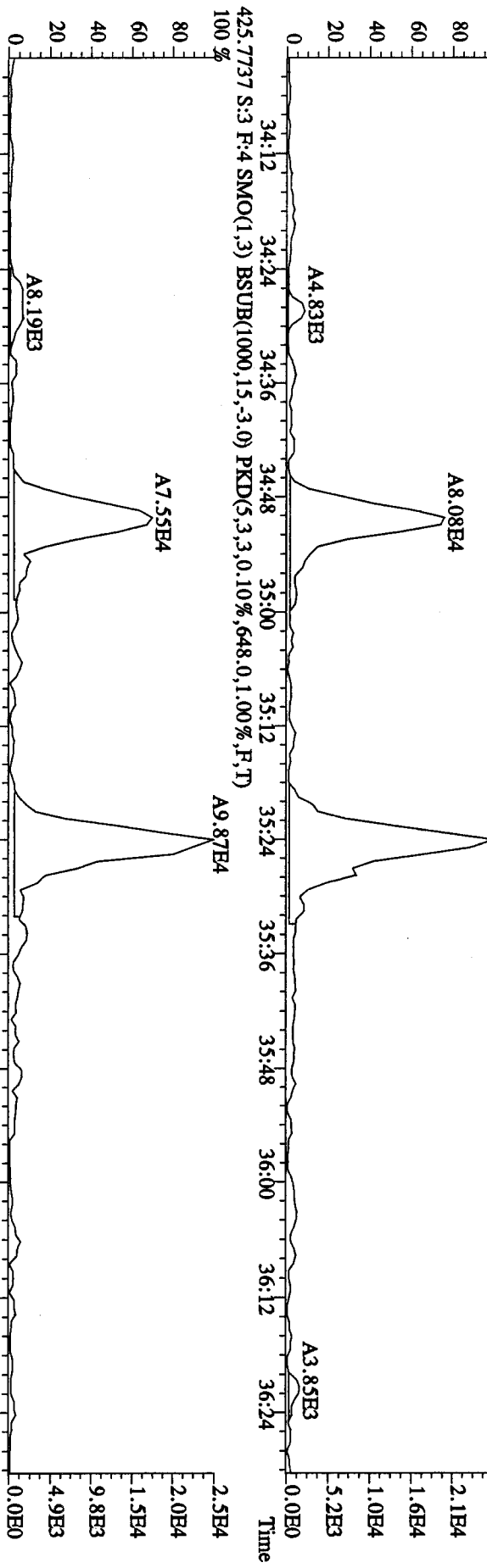
File:03MY10A4D5 #1-316 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,500.0,1.00%,F,T)



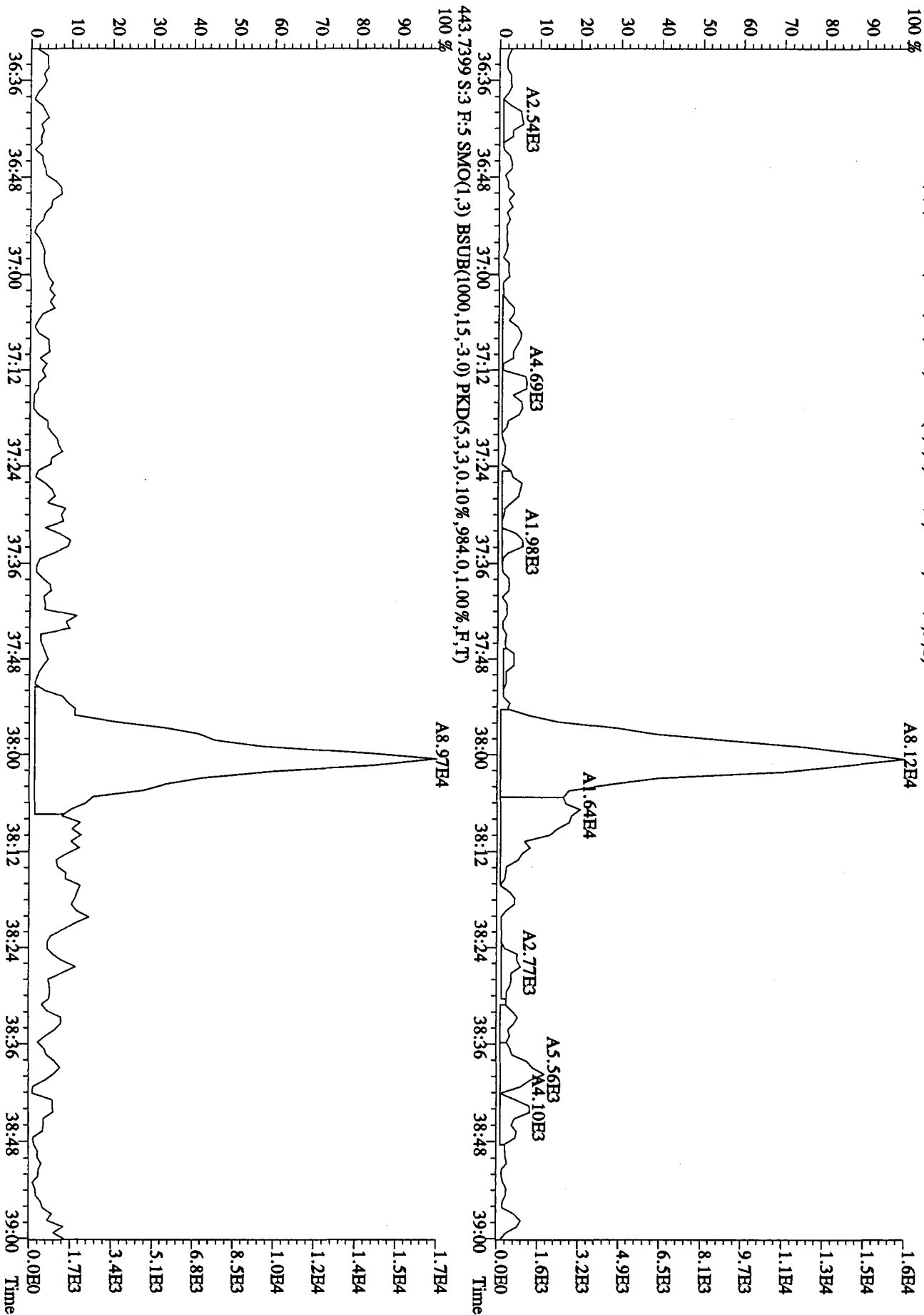
File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,880.0,1.00%,F,T)
 100% A7.07E4 A6.09E4



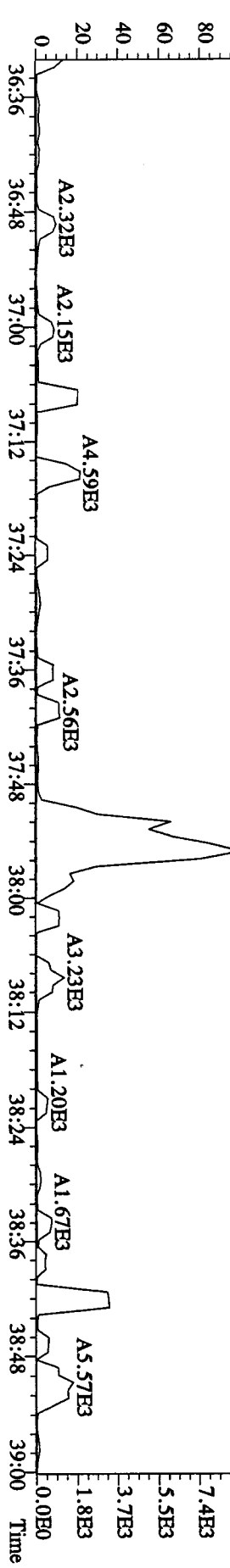
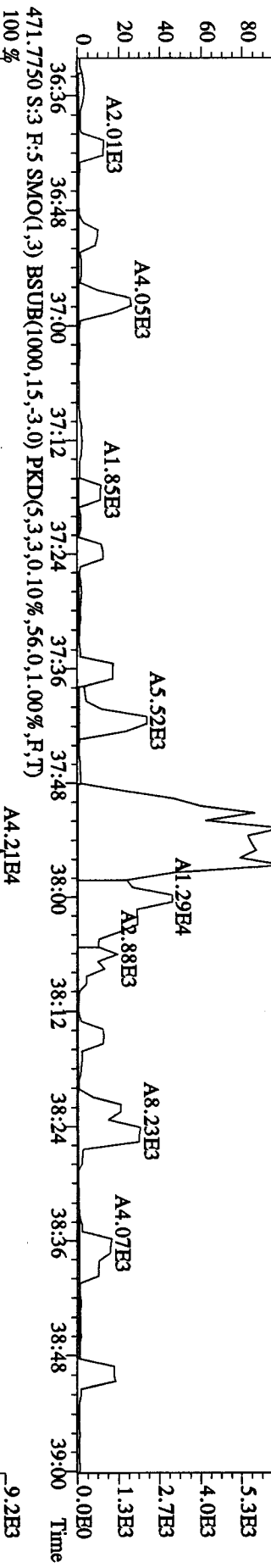
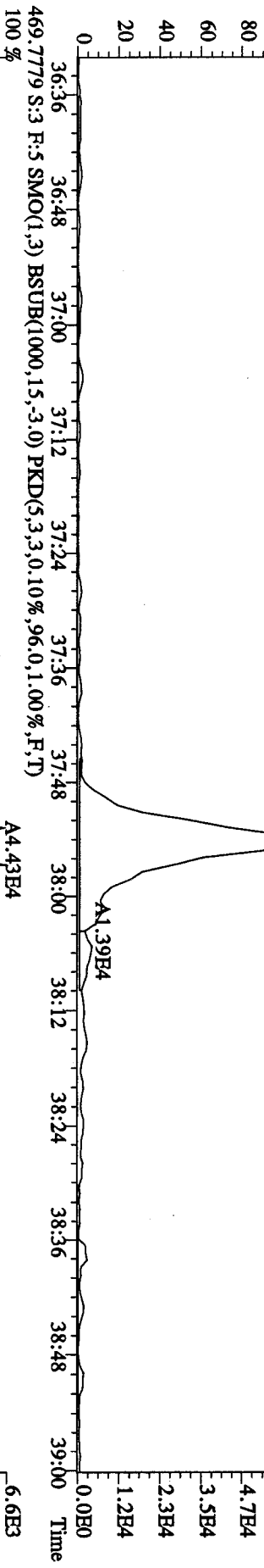
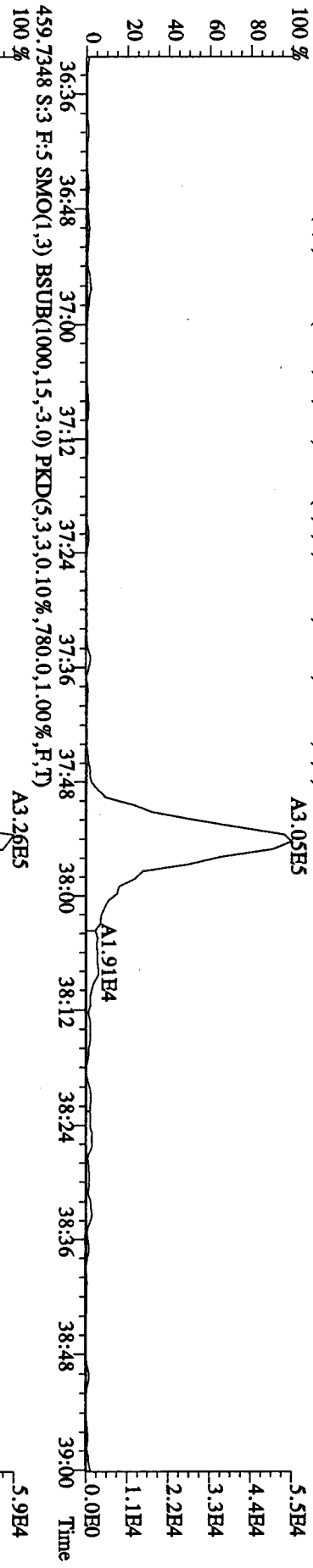
File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-UltimateB
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 423.7766 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1016.0,1.00%,F,T)
 100 %



File:03MAY10A4D5 #1-190 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,380.0,1.00%,F,T)
 100 %



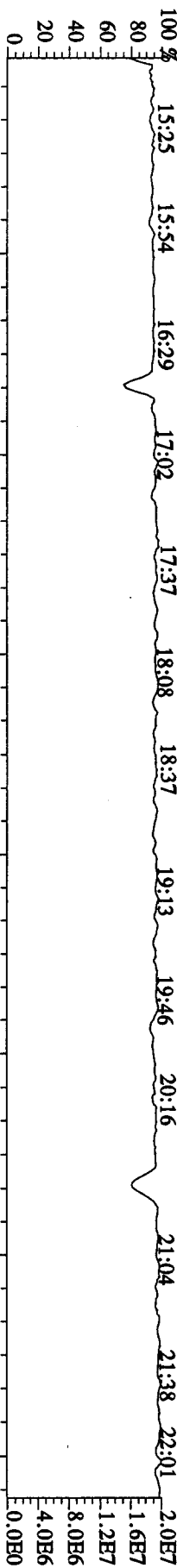
File:03MXY10A4D5 #1-190 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 457.7379 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,192.0,1.00%,F,T) 100%



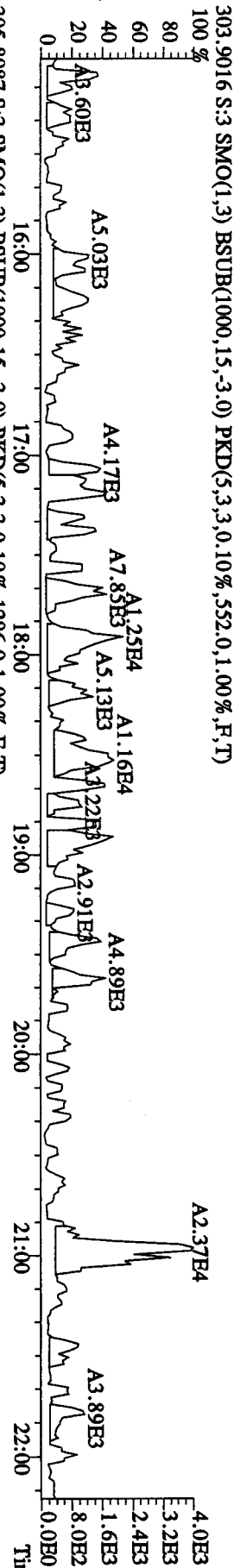
File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-Ultimate

Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A

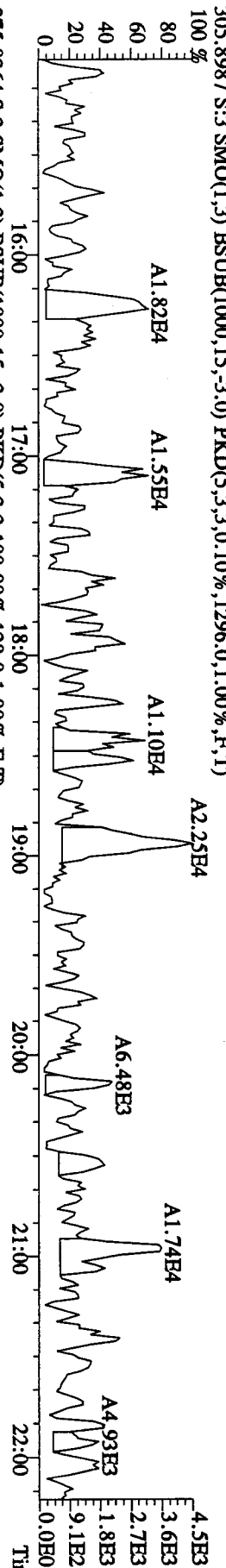
354.9792 S:3 SMO(1,3) PKD(5,3,100.00%,0.0,1.00%,F,T)



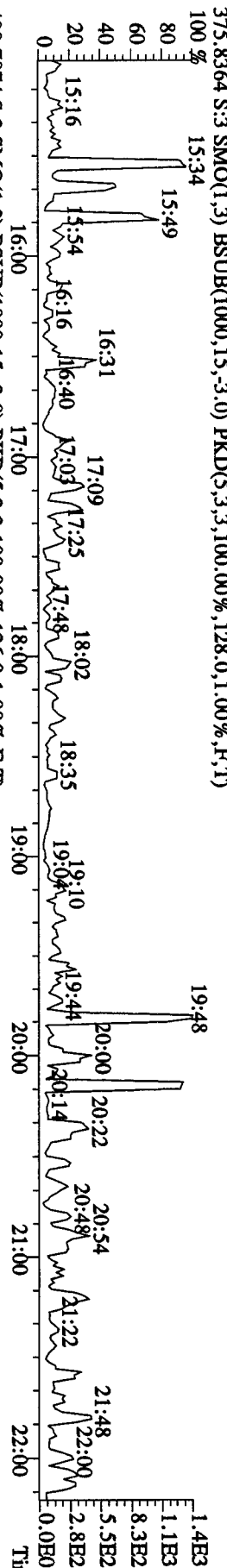
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,552.0,1.00%,F,T)



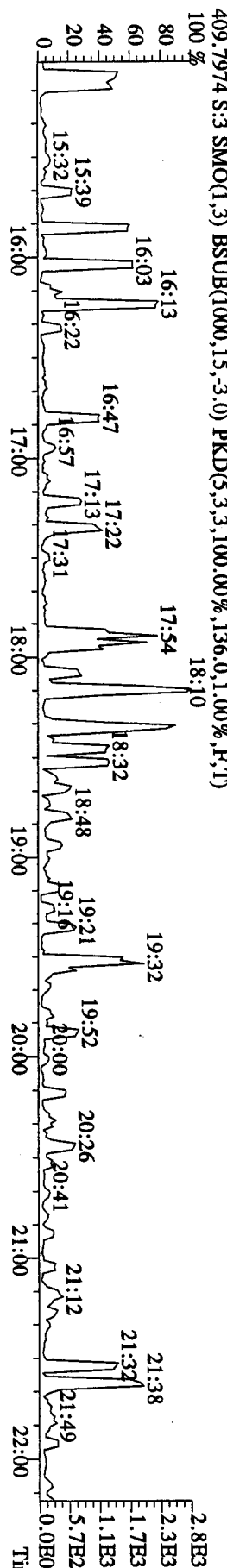
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1296.0,1.00%,F,T)



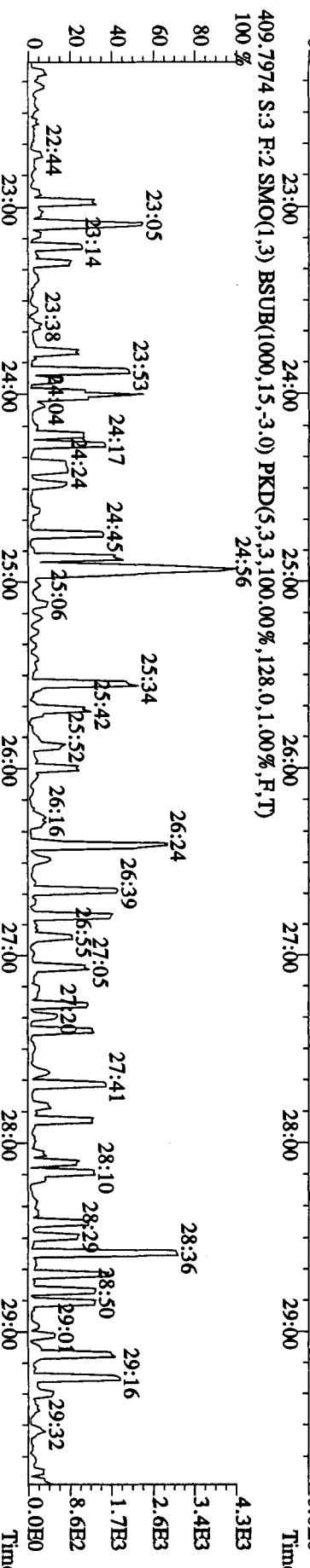
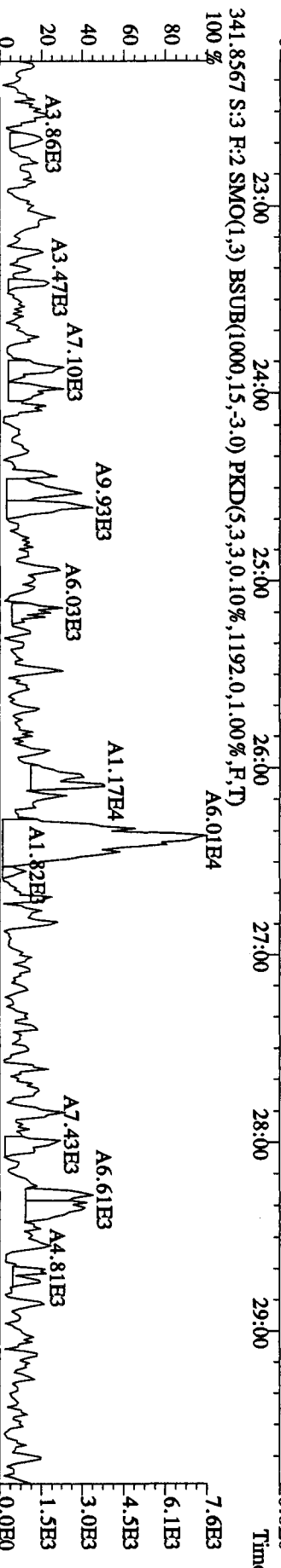
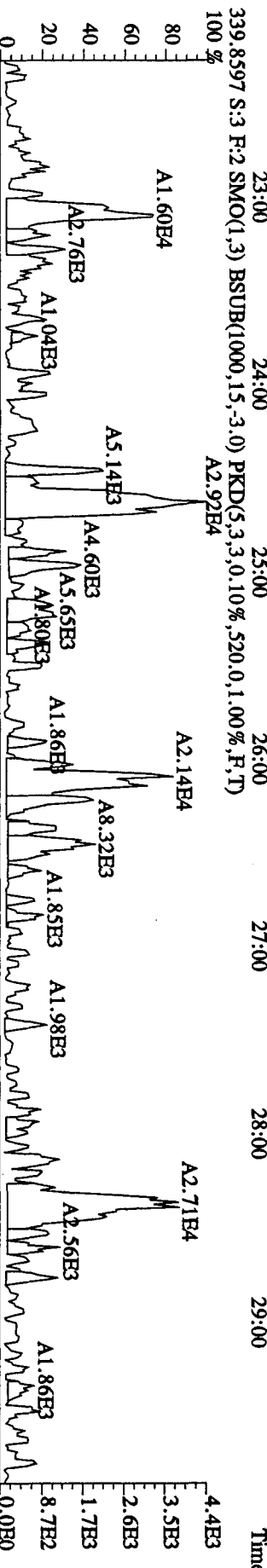
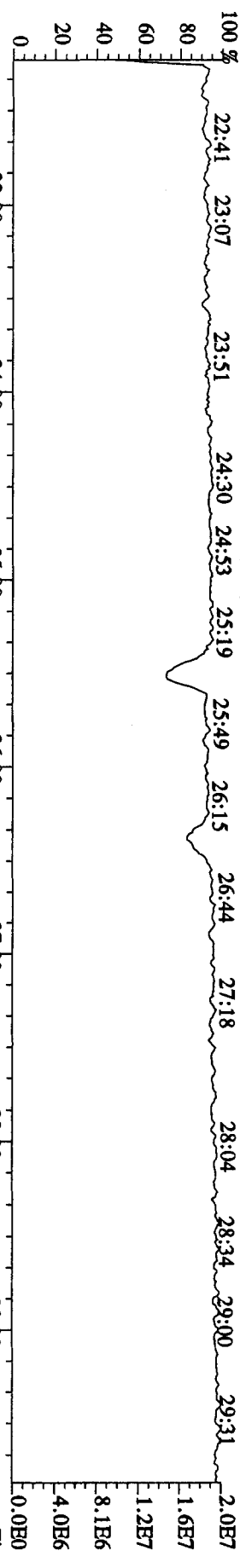
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,128.0,1.00%,F,T)



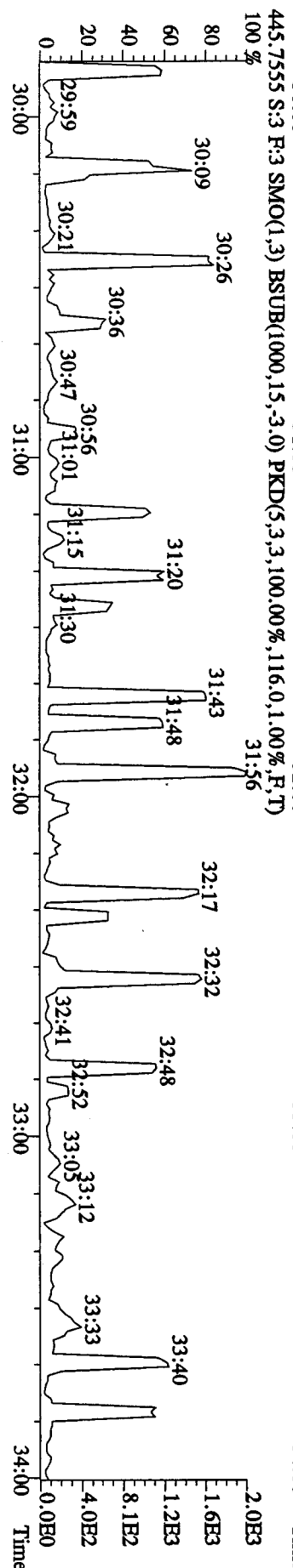
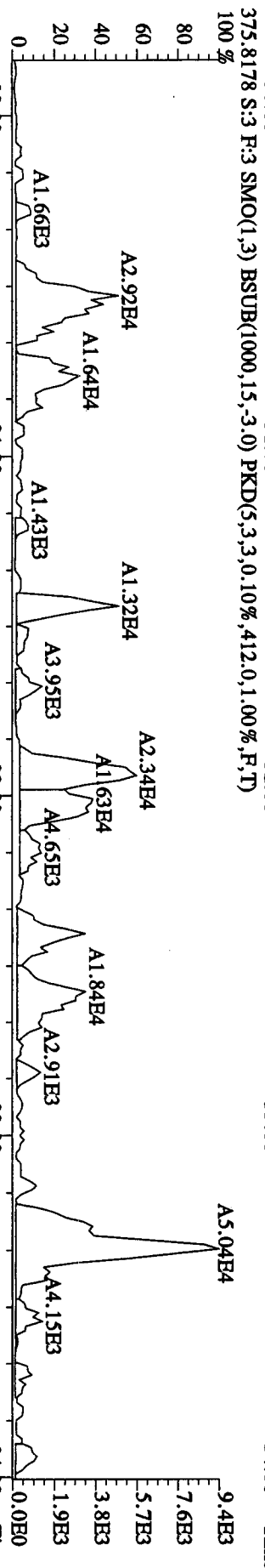
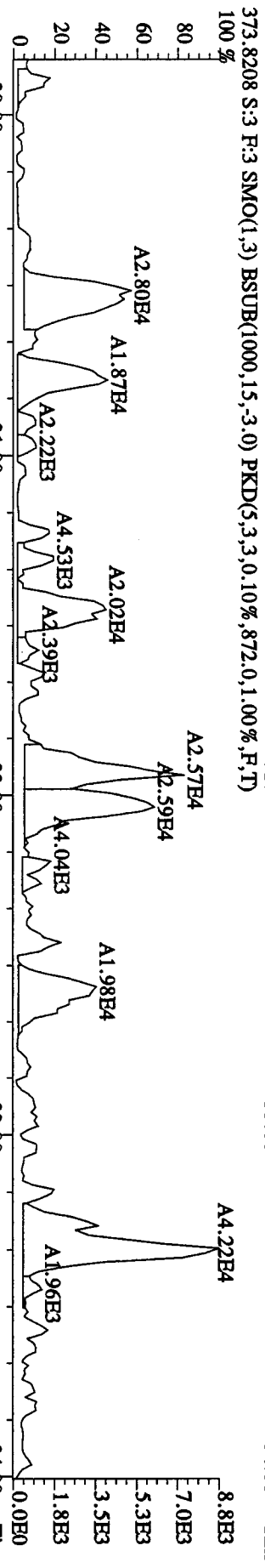
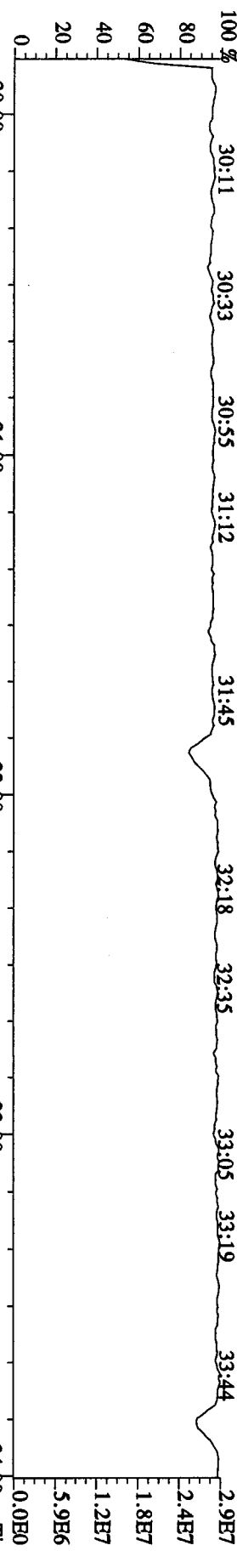
409.7974 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,136.0,1.00%,F,T)



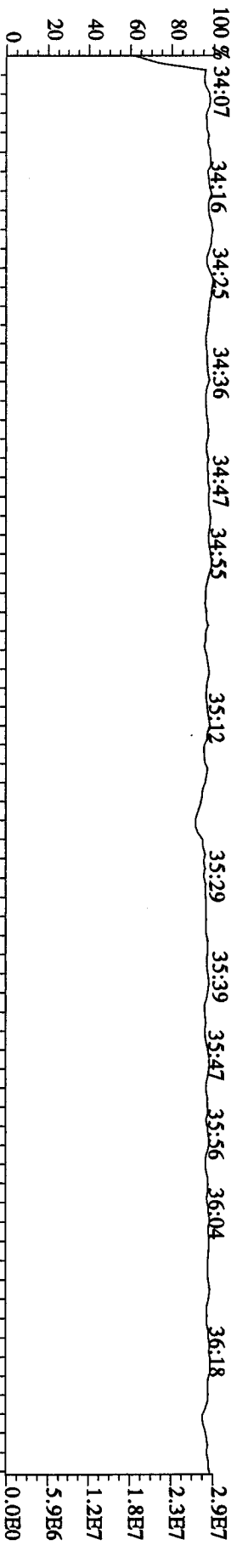
File:03MAY10A4D5 #1-605 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 354.9792 S:3 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 22:41 23:07 23:51 24:30 24:53 25:19 25:49 26:15 26:44 27:18 28:04 28:34 29:00 29:31



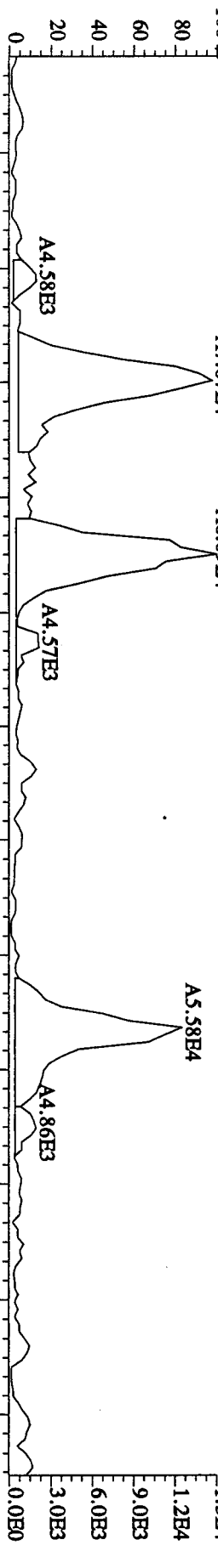
File:03MY10A4D5 #1-316 Acq: 3-MAY-2010 12:40:45 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0503 Solvent Blank C-14 Exp:DIOXINRES8290A
 430.9728 S:3 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 30:11 30:33 30:55 31:12 31:45 32:18 32:35 33:05 33:19 33:44



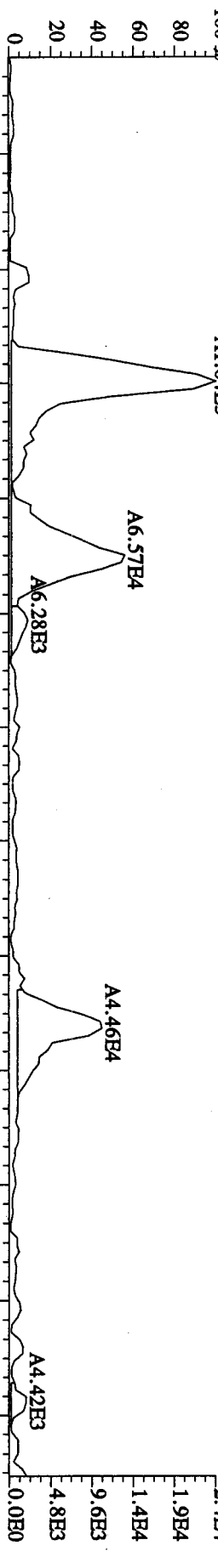
File:03MAY10A4D5 #1-198 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A
 430.9728 S:3 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 34:07 34:16 34:25 34:36 34:47 34:55 35:12 35:29 35:39 35:47 35:56 36:04 36:18 2.9E7



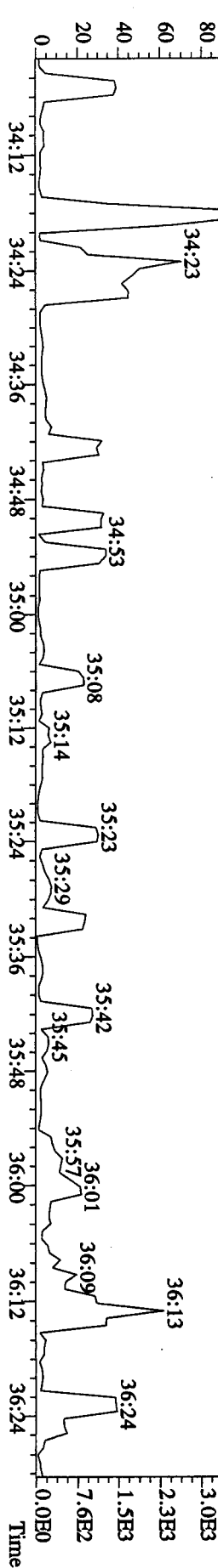
407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,880,0,1.00%,F,T)
 100% 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 3.0E3



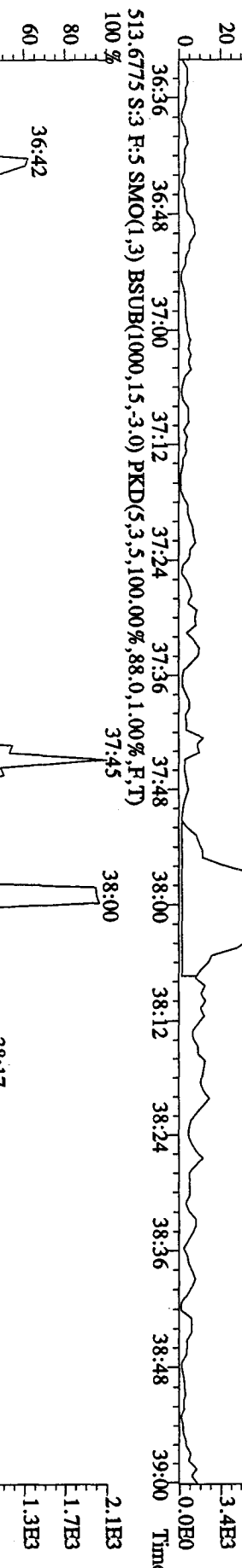
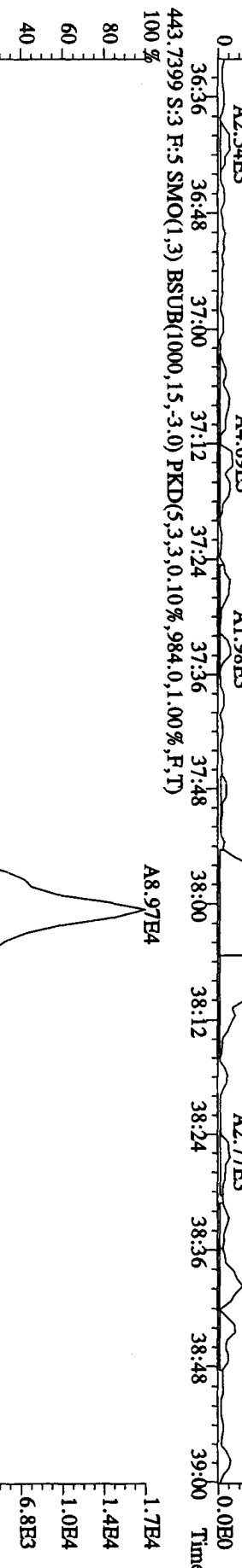
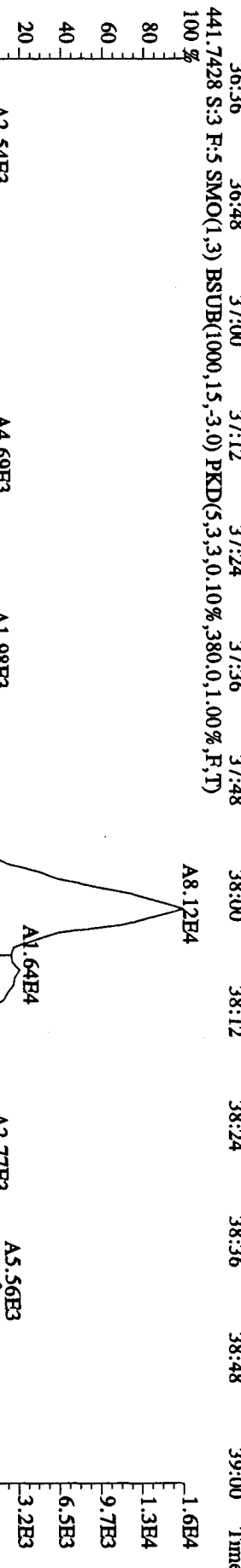
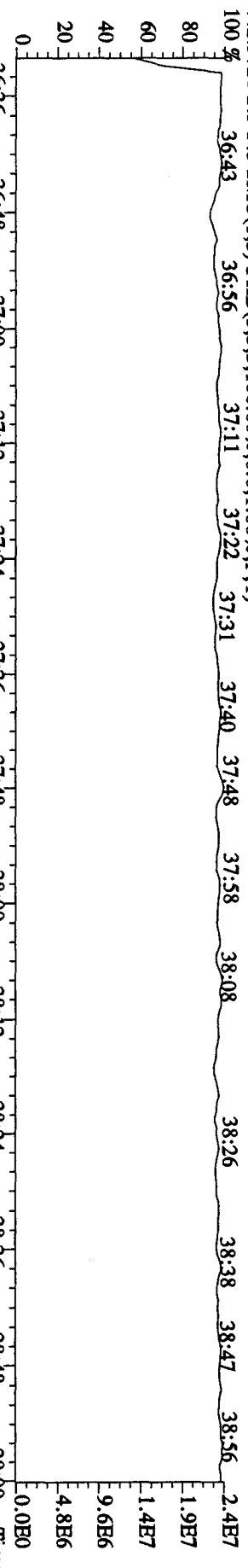
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1112,0,1.00%,F,T)
 100% 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 2.4E4



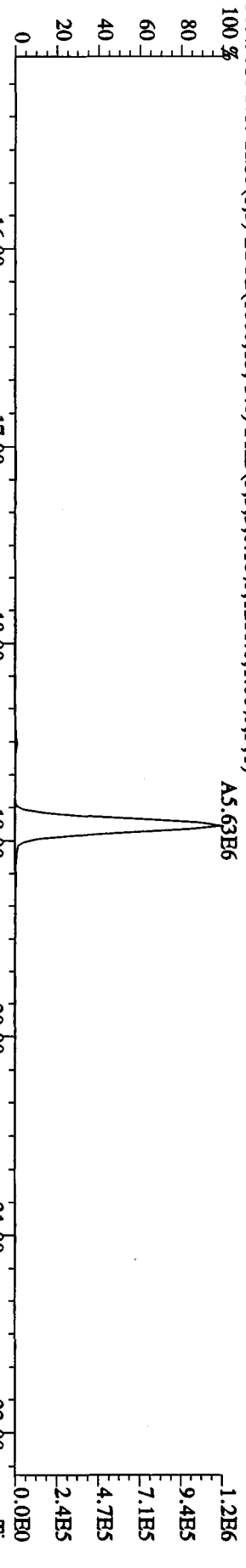
479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,116,0,1.00%,F,T)
 100% 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 3.8E3



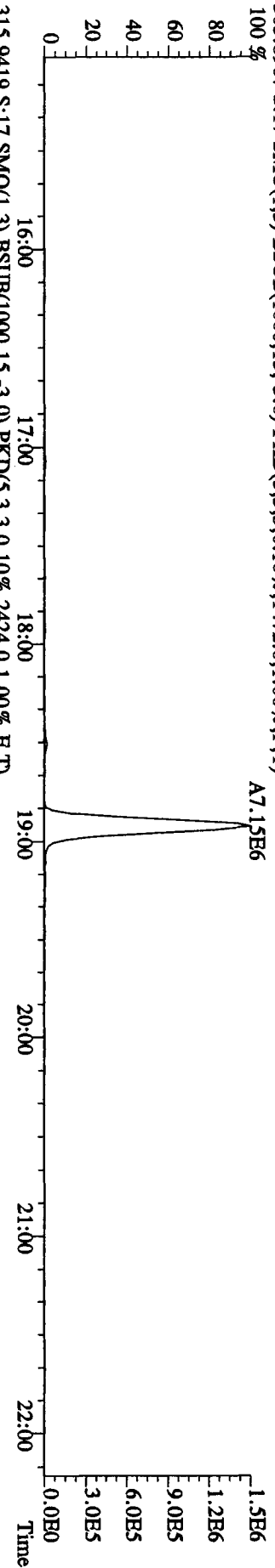
File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 12:40:45 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:SB0503 :Solvent Blank C-14 Exp:DIOXINRES8290A



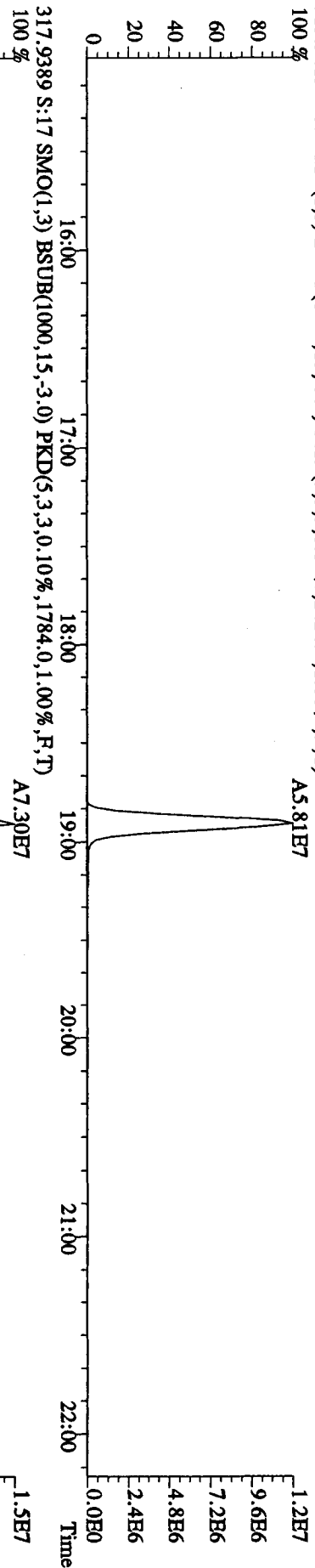
File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
303.9016 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1200,0,1,00%,F,T)
100 %



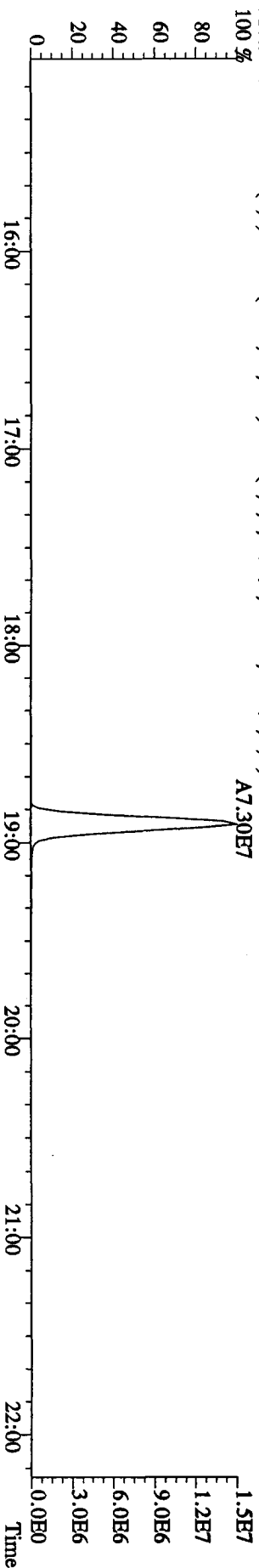
305.8987 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1472,0,1,00%,F,T)
100 %



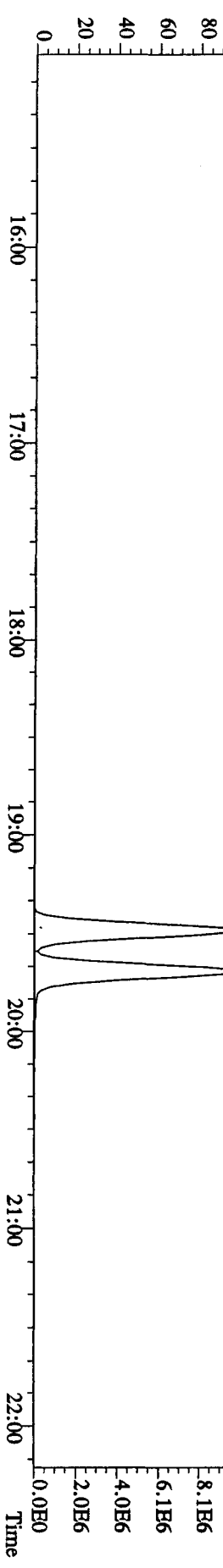
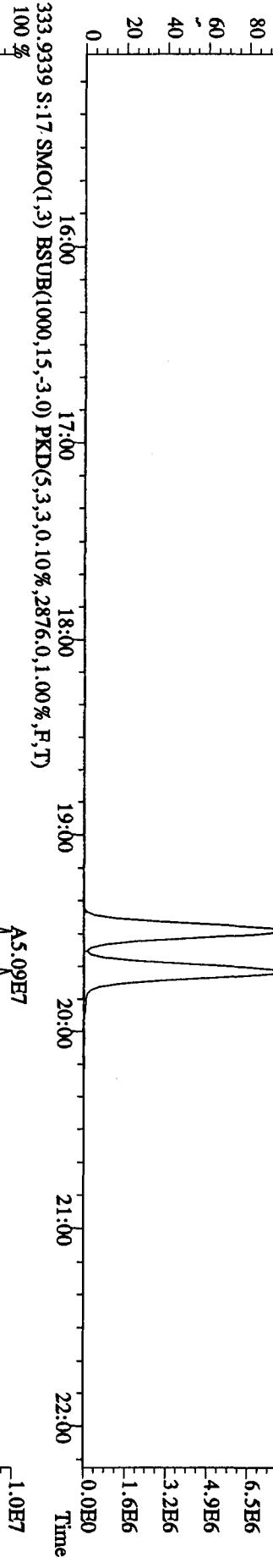
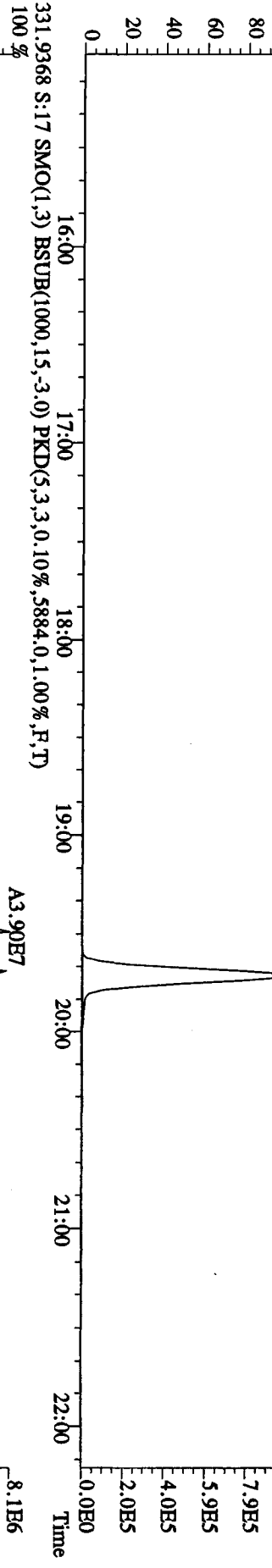
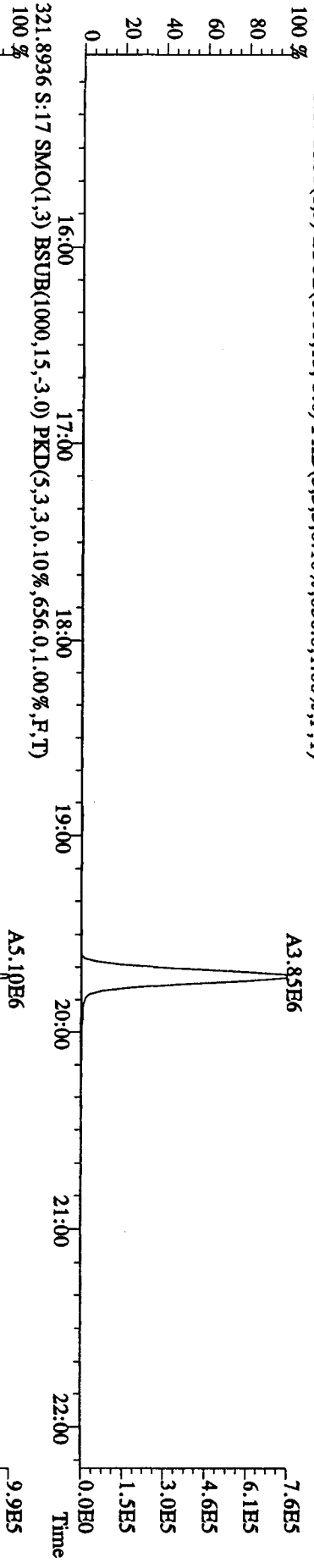
315.9419 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2424,0,1,00%,F,T)
100 %



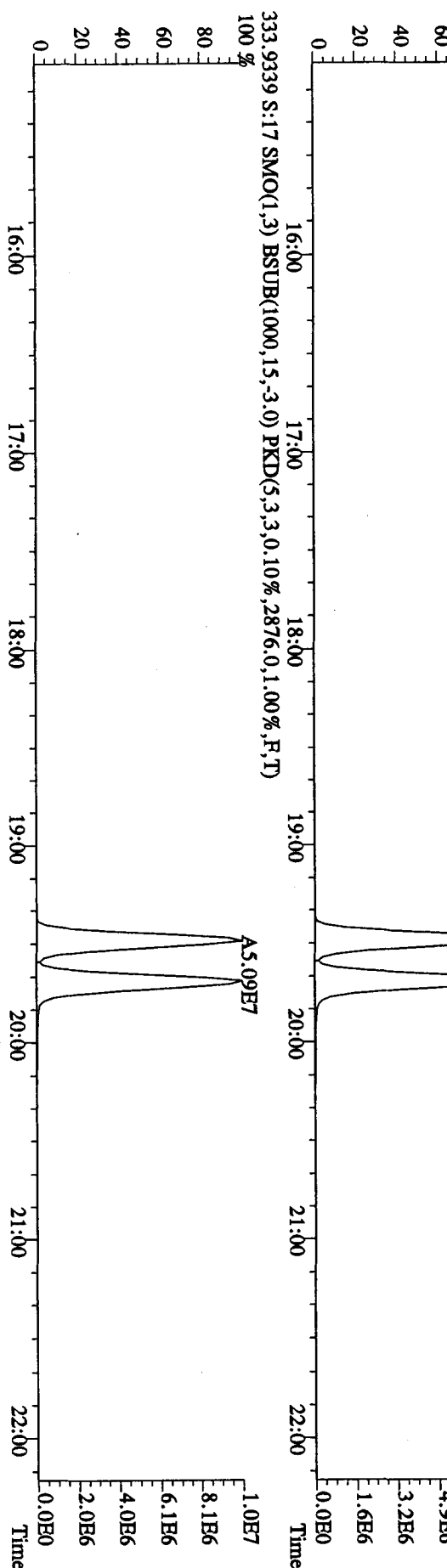
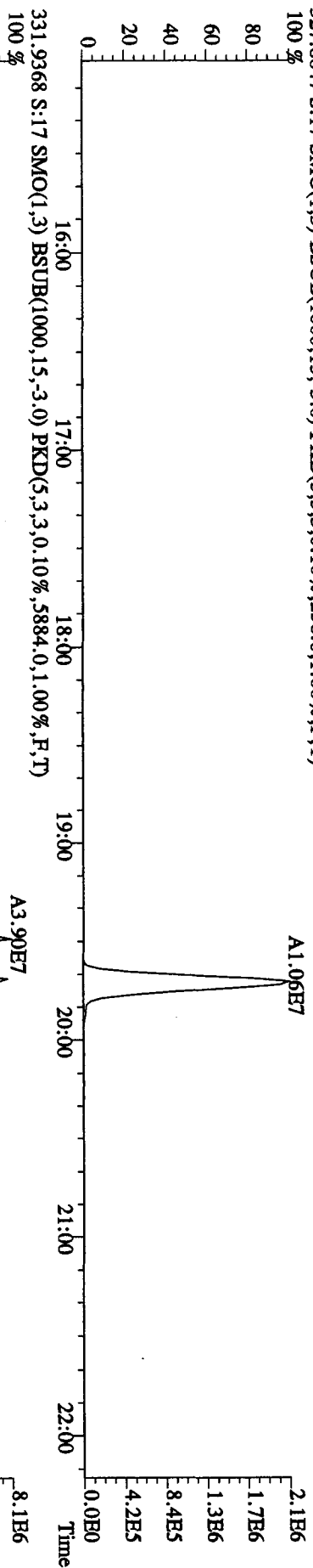
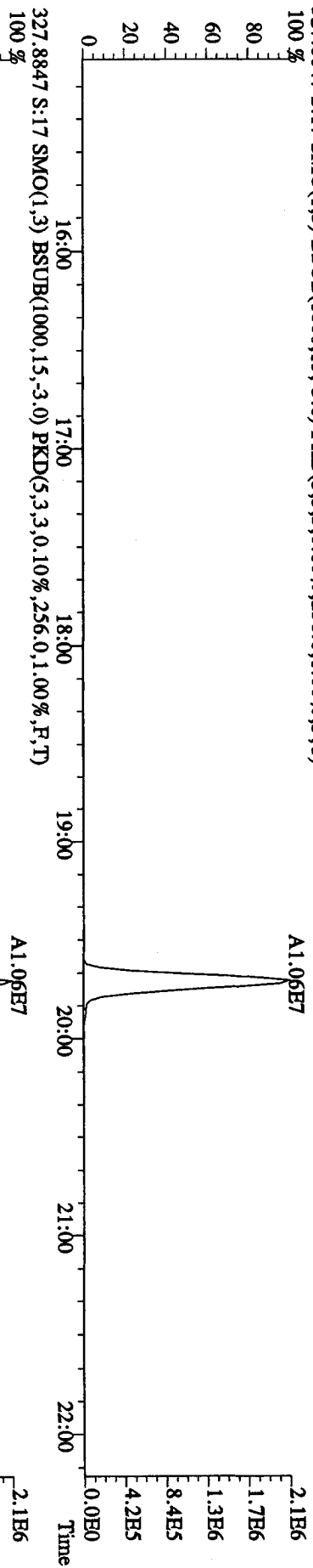
317.9389 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1784,0,1,00%,F,T)
100 %



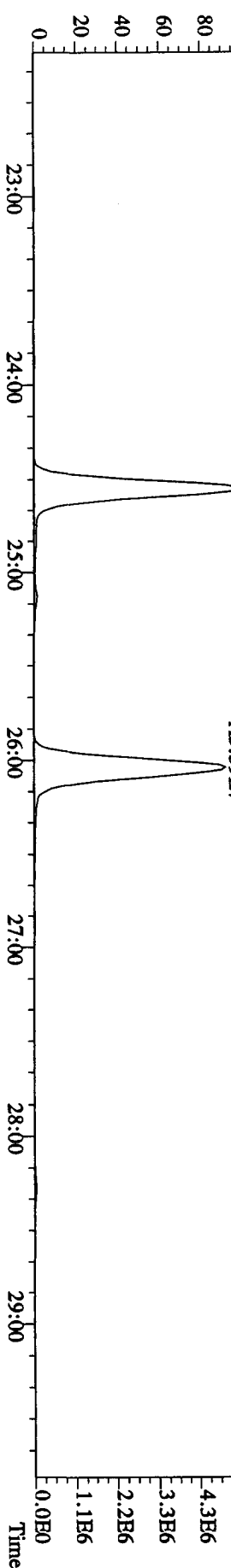
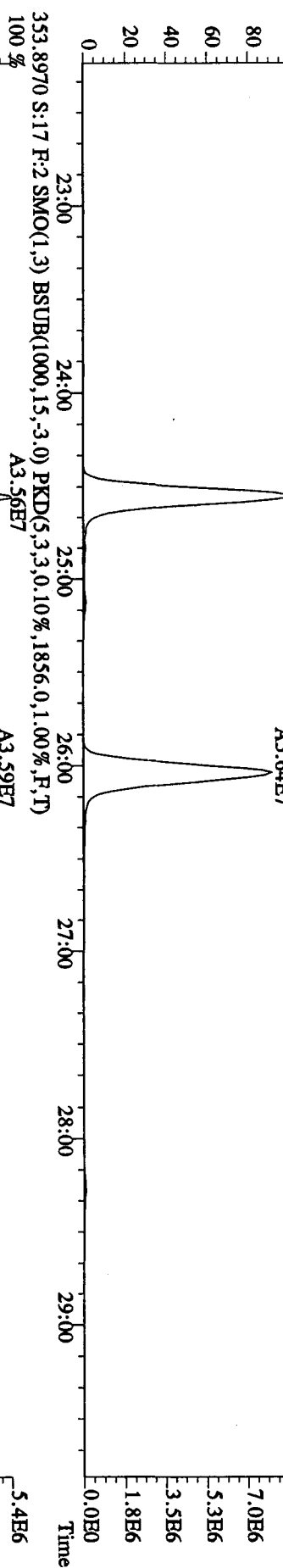
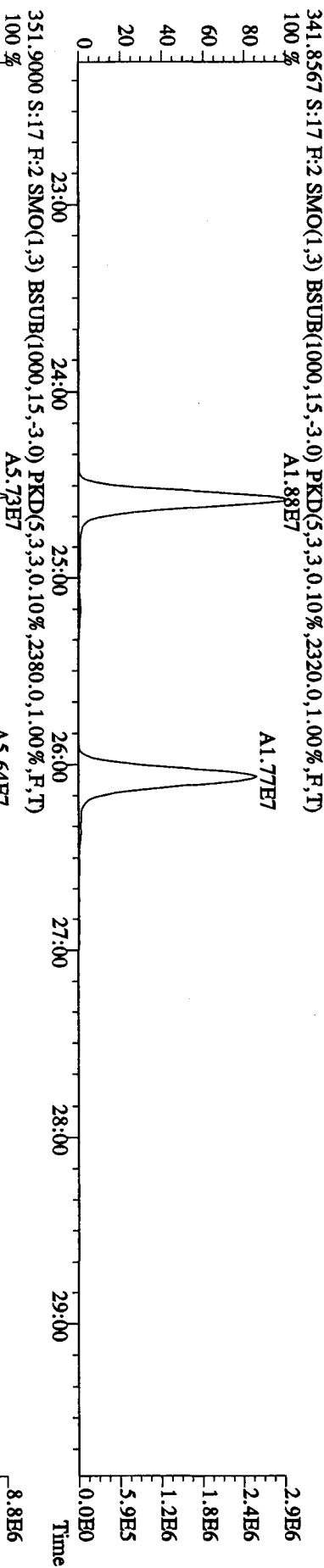
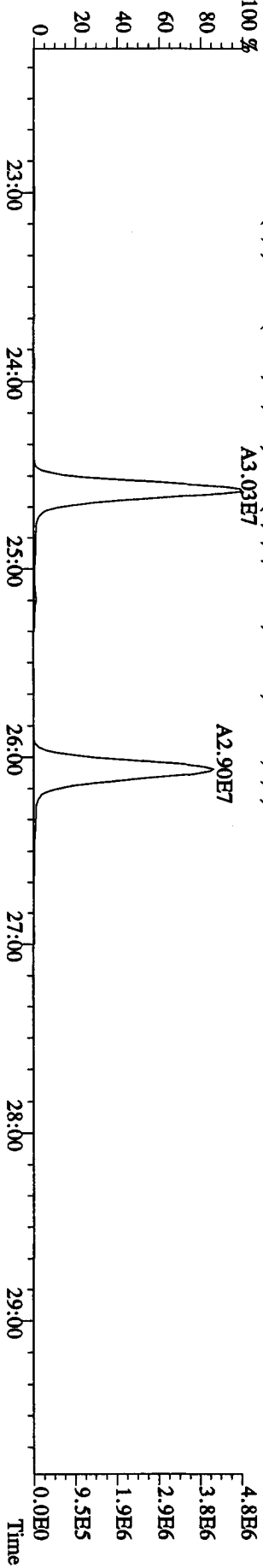
File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-Ultimate
Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
319.8965 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,856.0,1.00%,F,T)



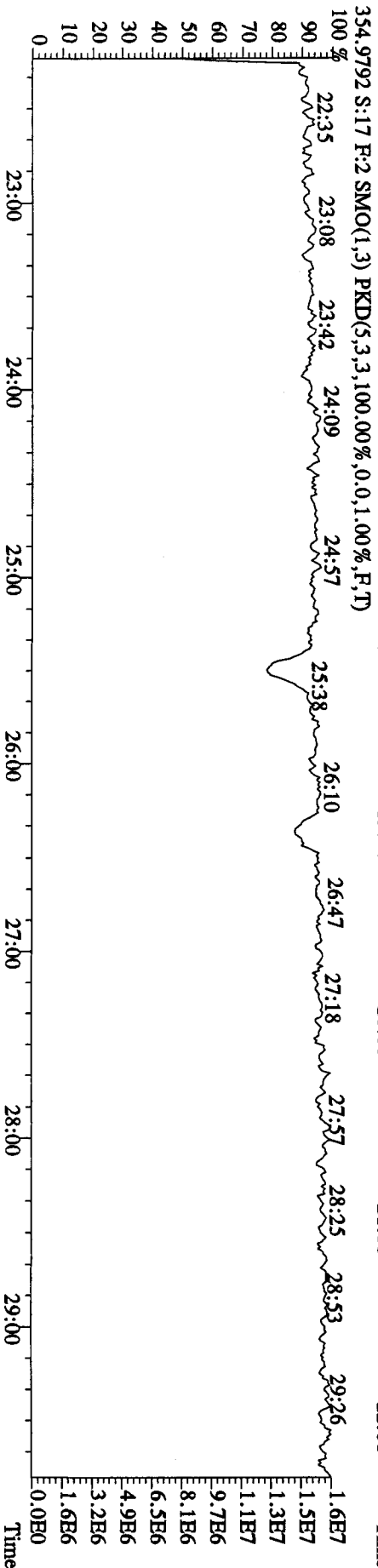
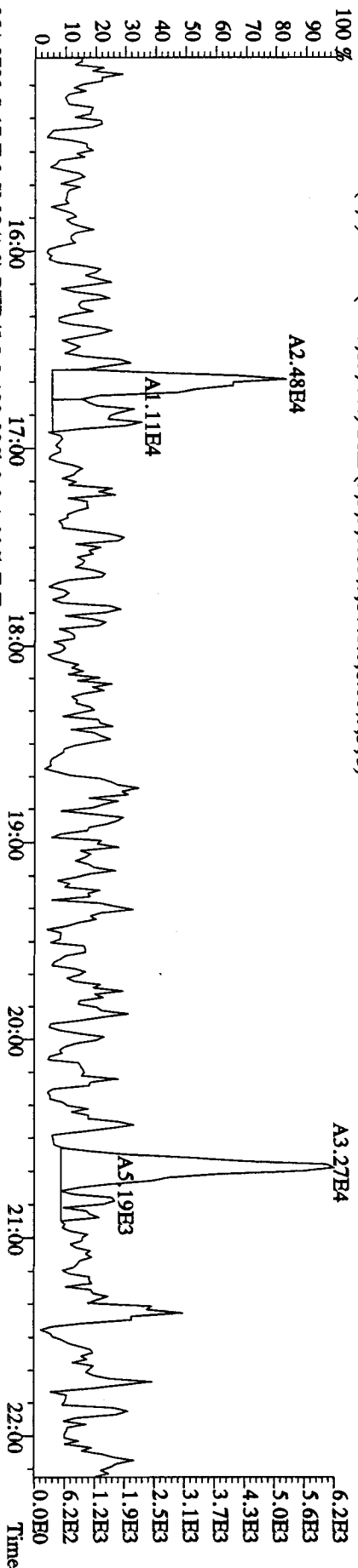
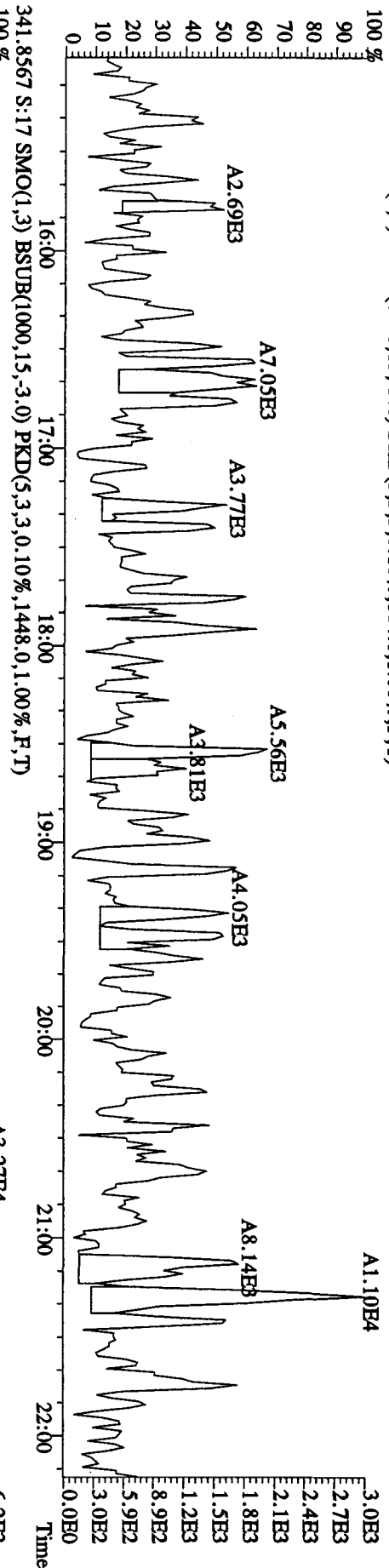
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#17 Text:ST0503A :CSS 10DXN083 Exp:DIOXINRES8290A
 327.8847 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,256,0,1,00%,F,T)
 100%



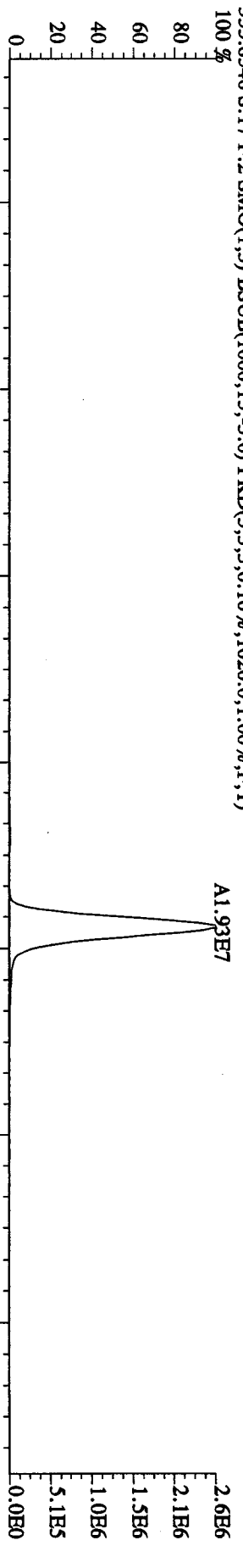
File:03MY10A4D5 #1-604 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#17 Text:ST0503A :CSS 10DXN083 Exp:DIOXINRES8290A
 339.8597 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2240.0,1.00%,F,T)
 100% A3.03E7



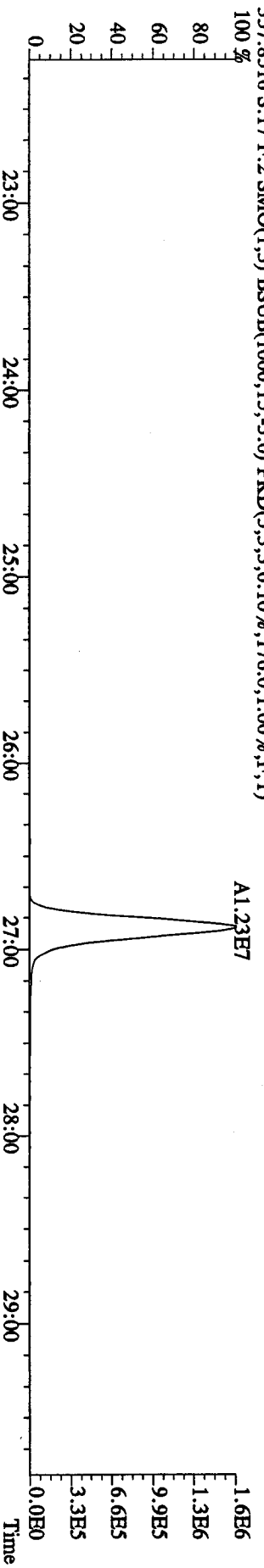
File:03MY10A4D5 #1-434 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
 339,8597 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



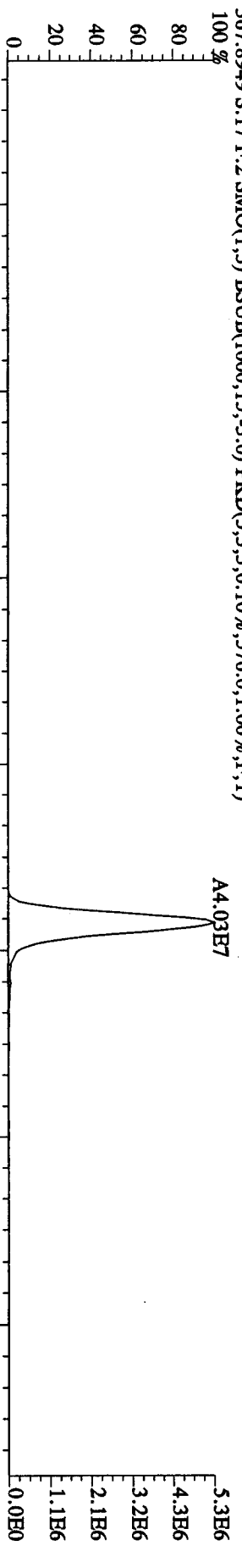
File:03MY10A4D5 #1-604 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
 355.8546 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1020.0,1.00%,F,T)
 100%



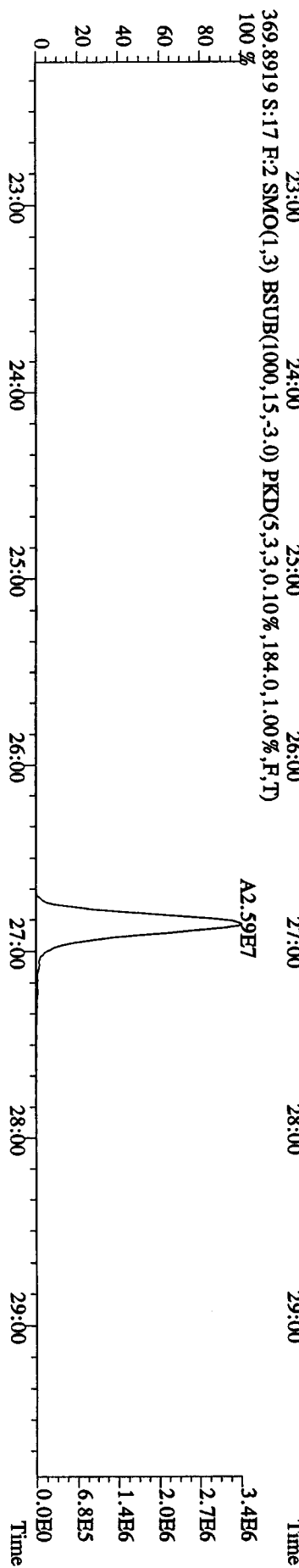
357.8516 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,176.0,1.00%,F,T)
 100%



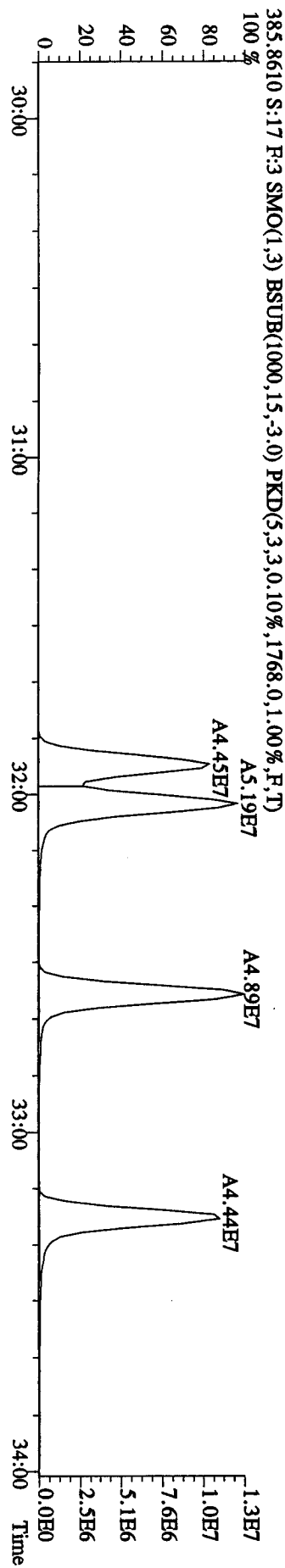
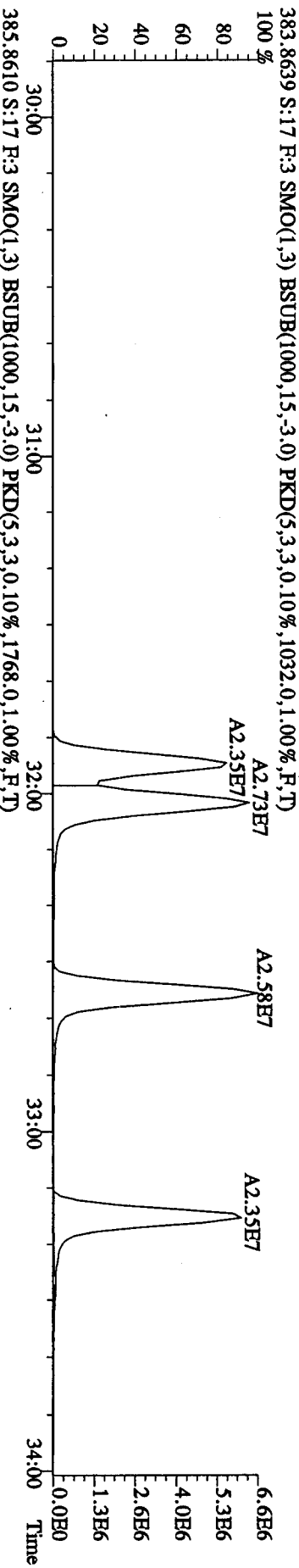
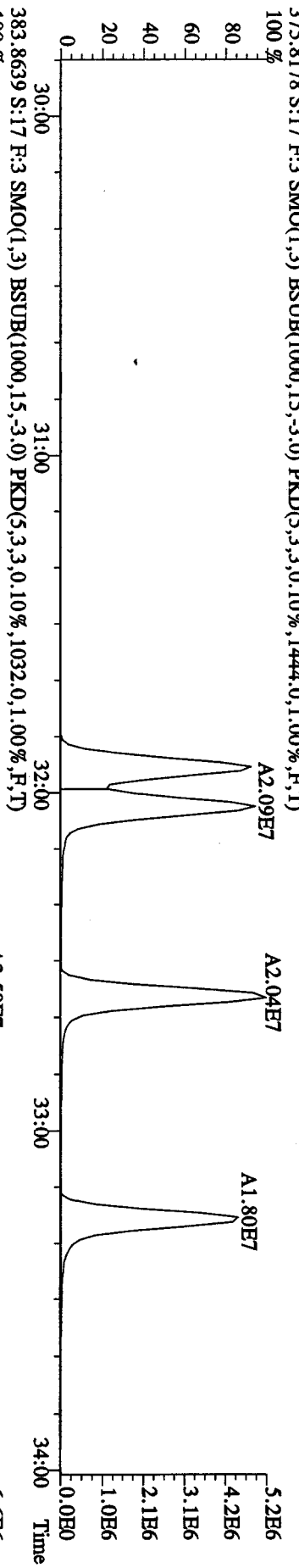
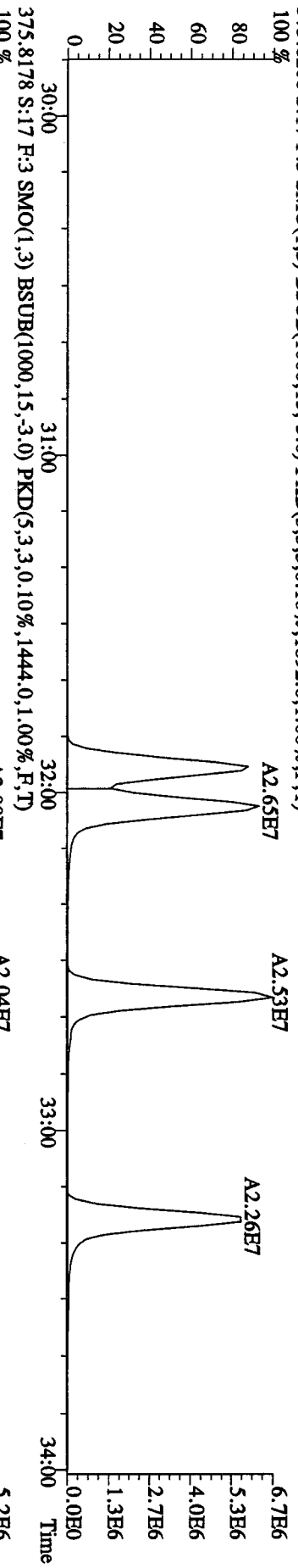
367.8949 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,576.0,1.00%,F,T)
 100%



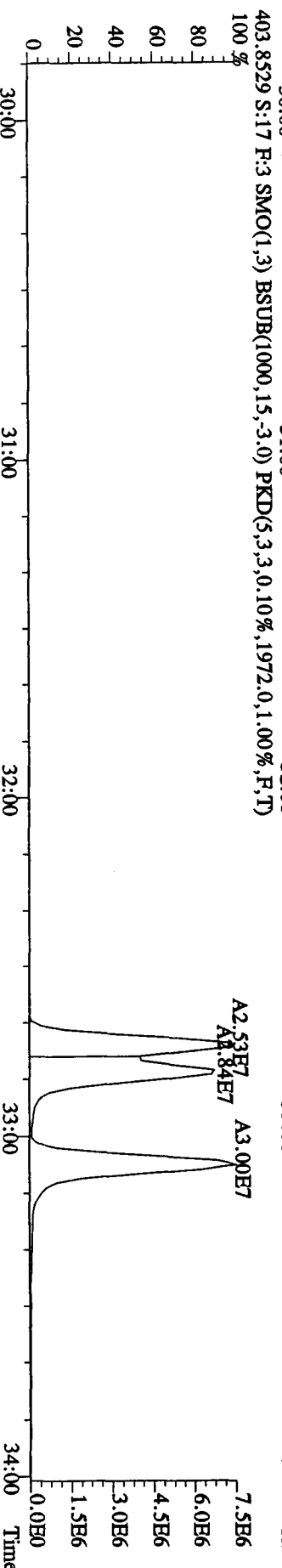
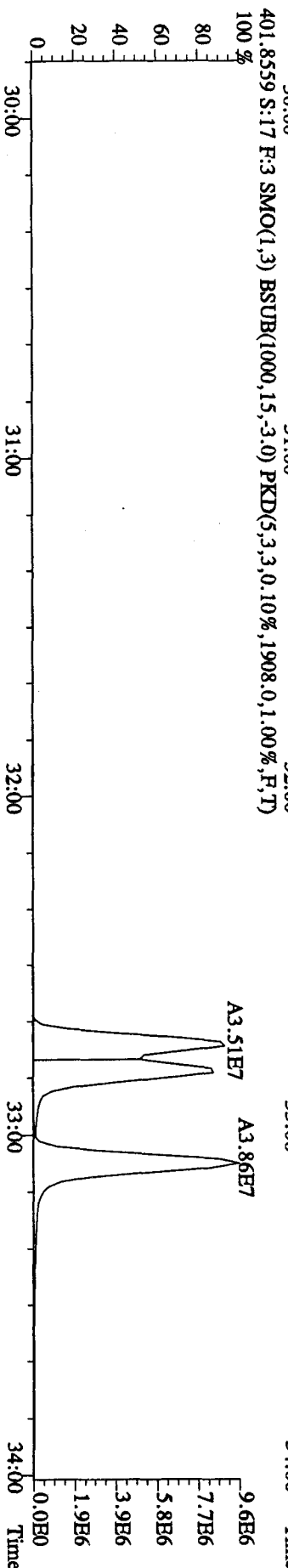
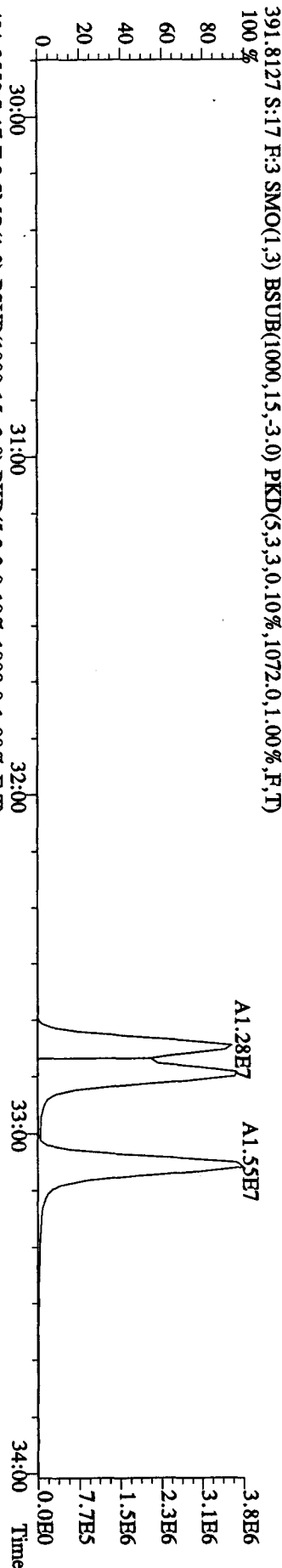
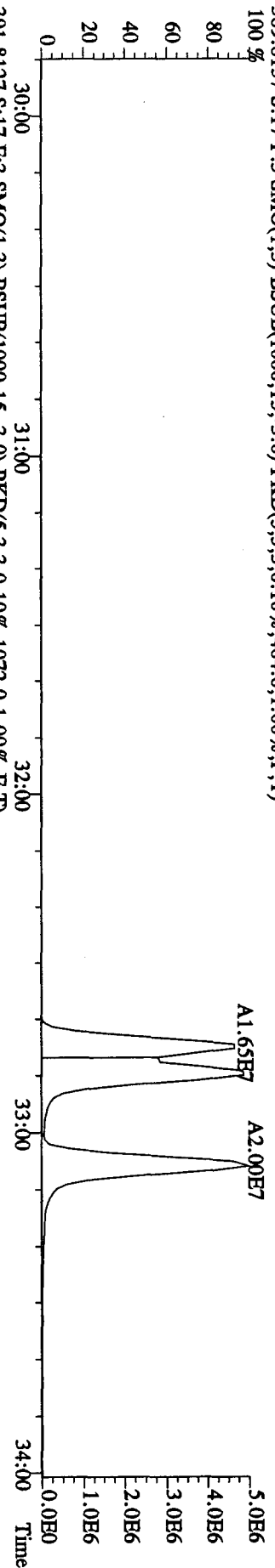
369.8919 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,184.0,1.00%,F,T)
 100%



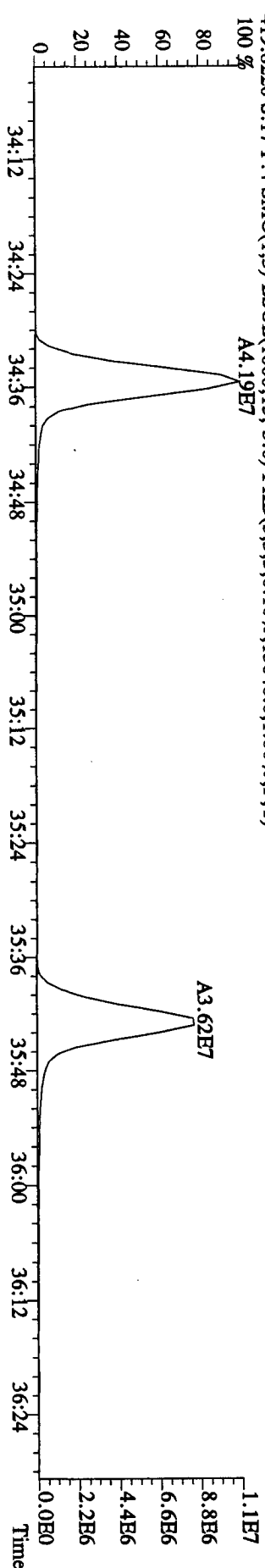
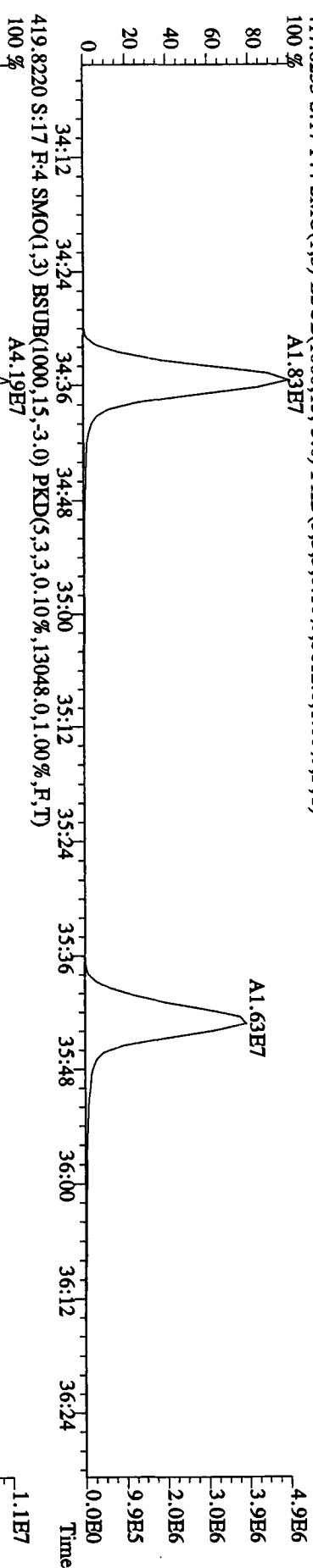
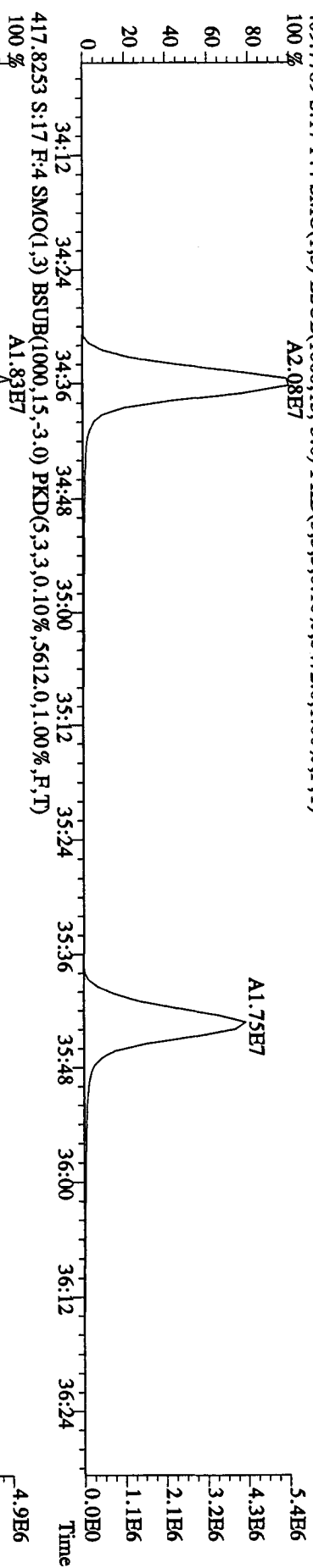
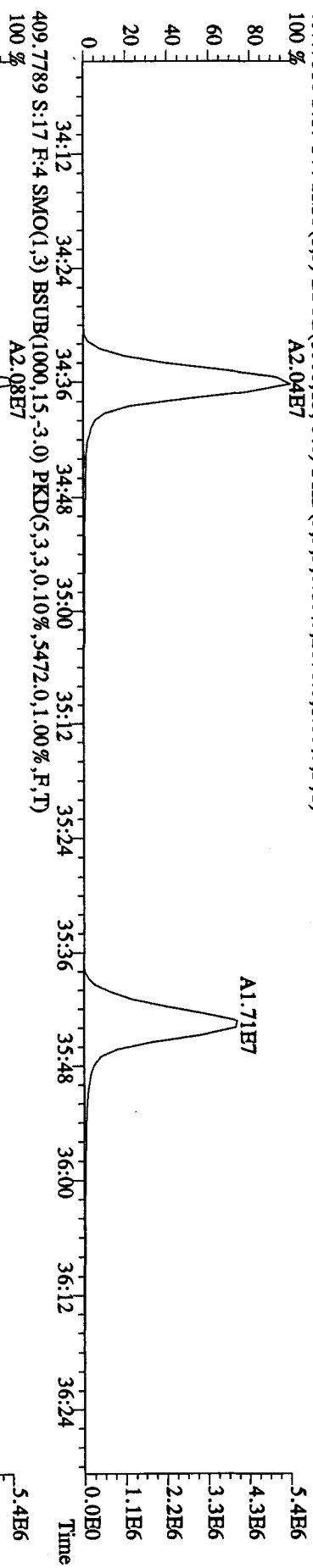
File:03MAY10A4D5 #1-317 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
 373.8208 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1892.0,1.00%,F,T)
 100%



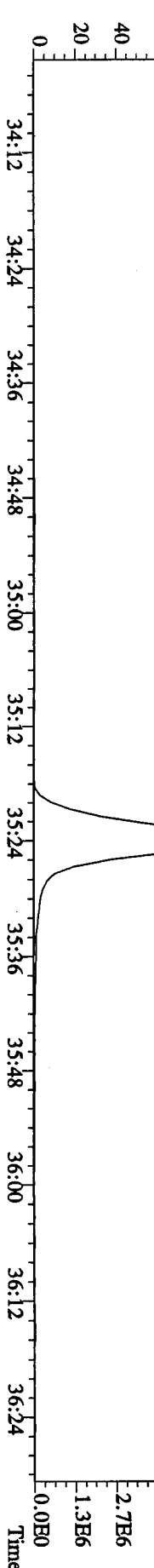
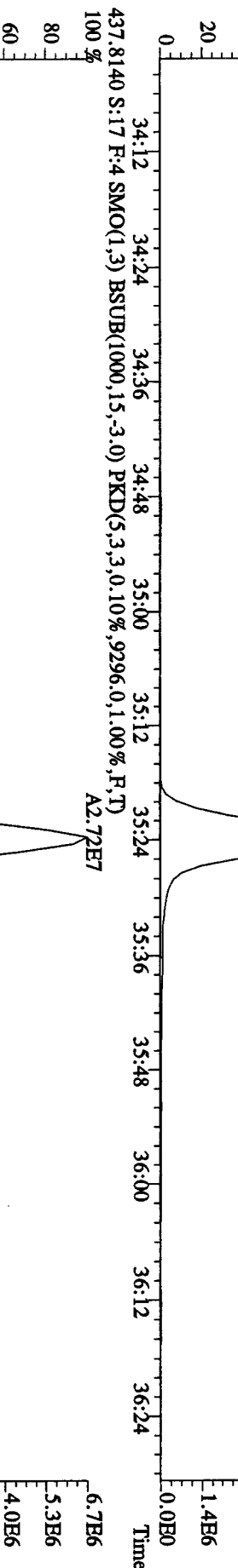
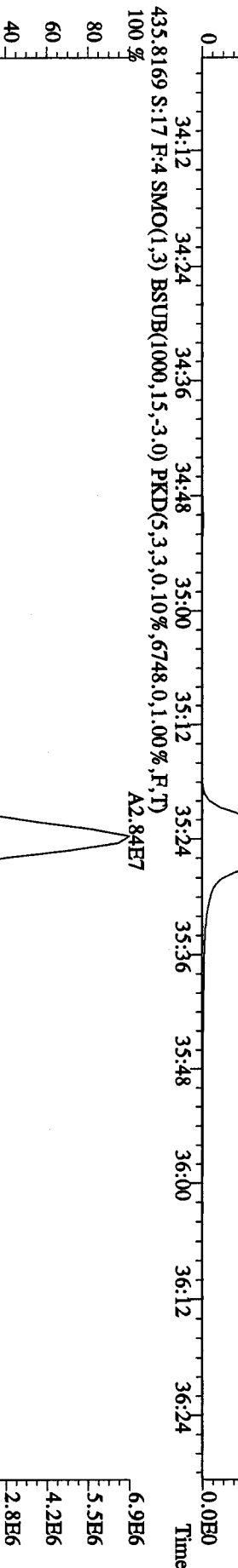
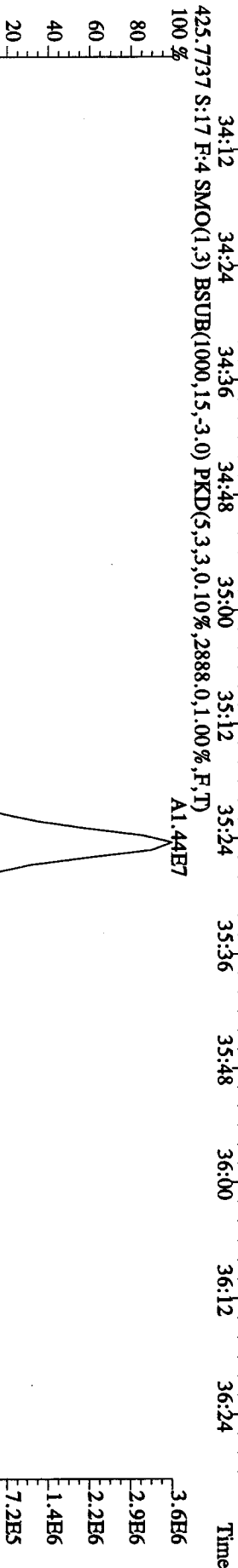
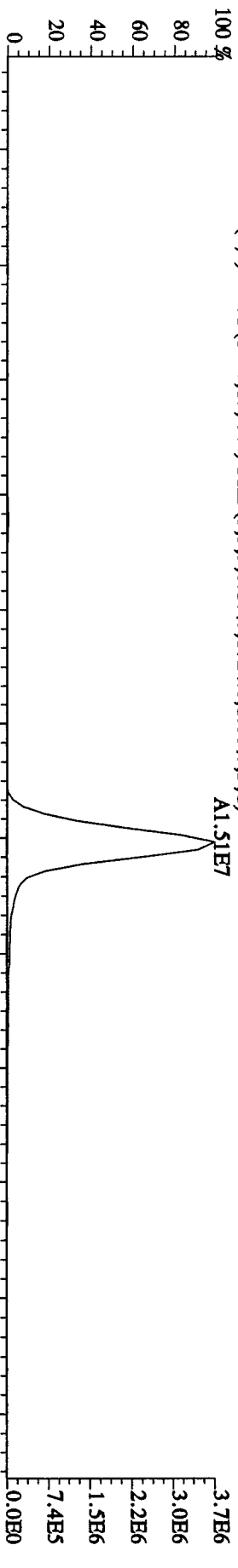
File:03MY10A4D5 #1-317 Acq: 3-MAY-2010 22:59:36 GC EI + Voltage SIR Autospec-UltimaE
 Sample#17 Text:ST0503A :CSS 10DXN083 Exp:DIOXINRES8290A
 389.8157 S:17 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,484.0,1.00%,F,T)



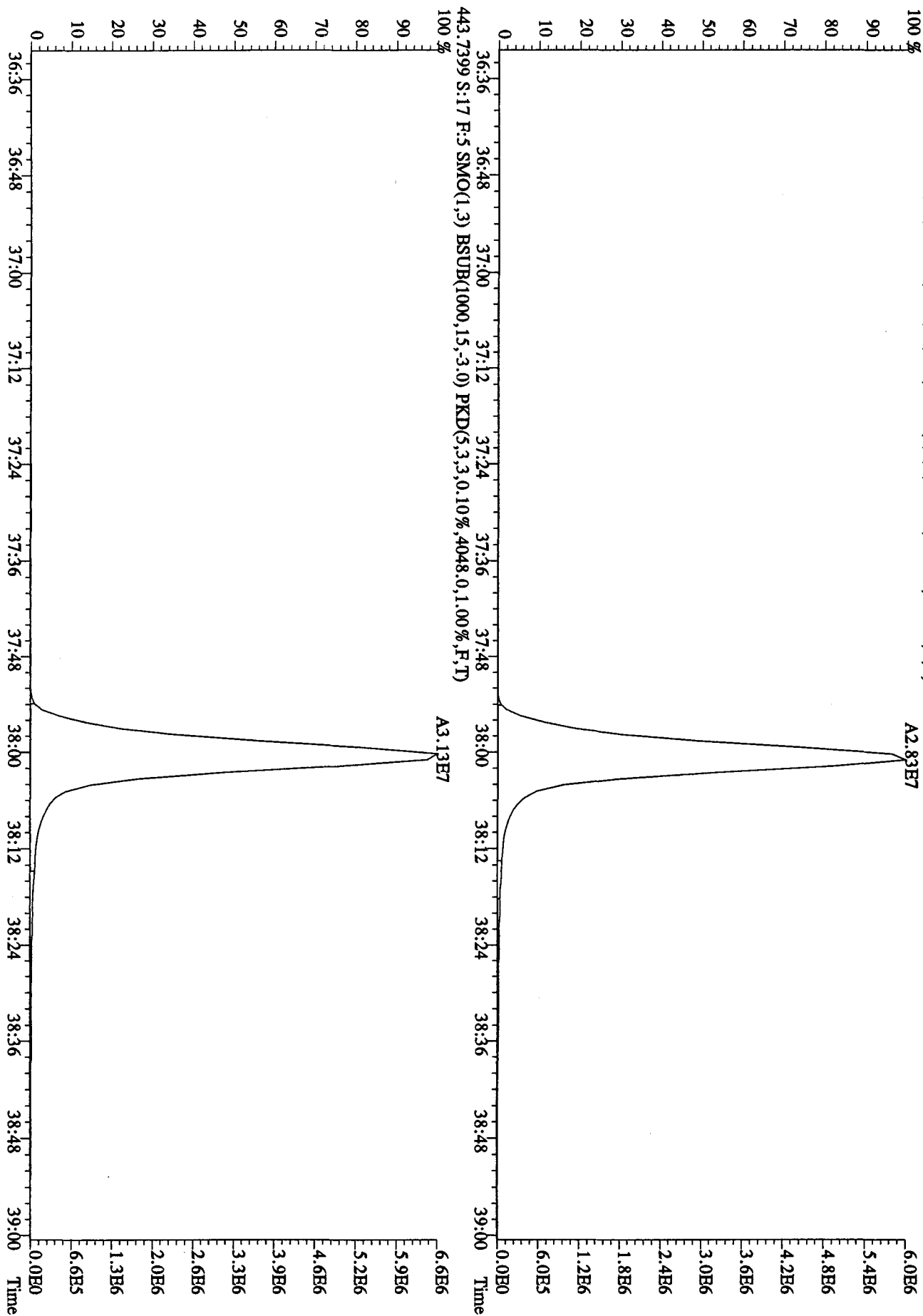
File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#17 Text:ST0503A :CSS 10DXN083 Exp:DIOXINRES8290A
 407.7818 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2676.0,1.00%,F,T)
 100 % A2.04E7



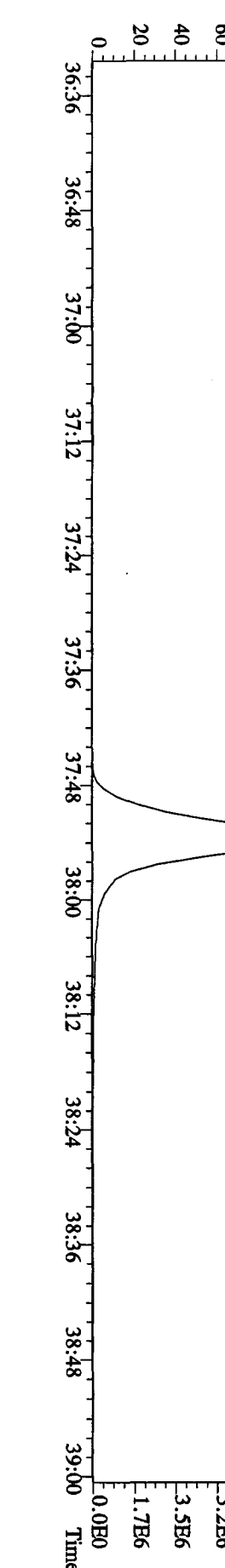
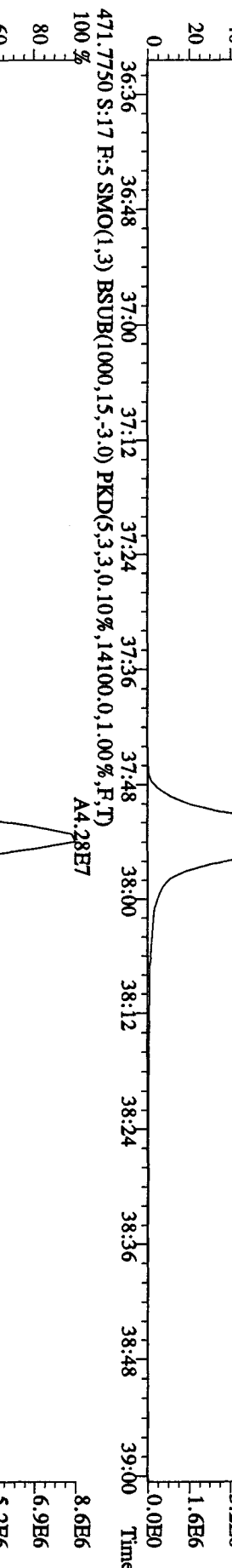
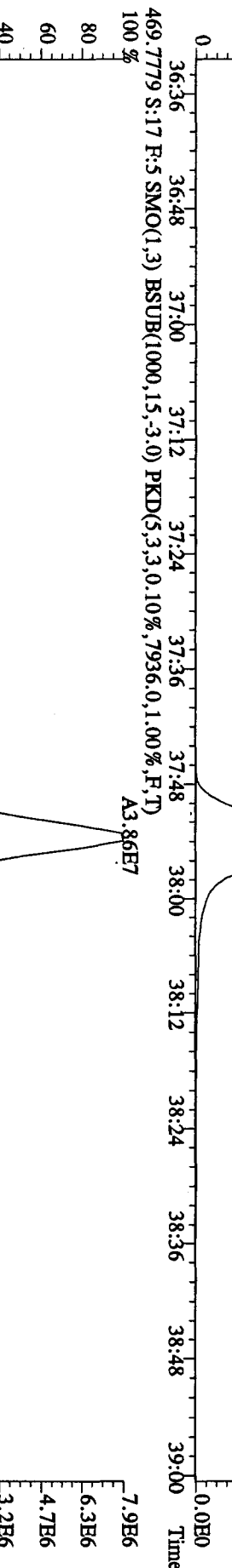
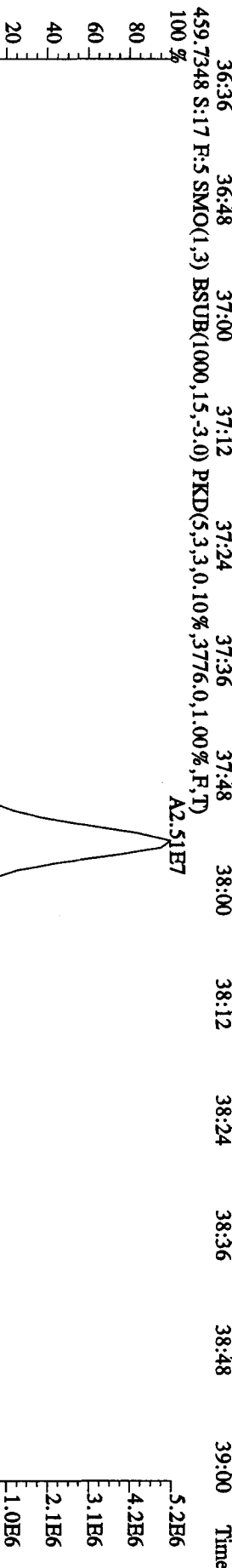
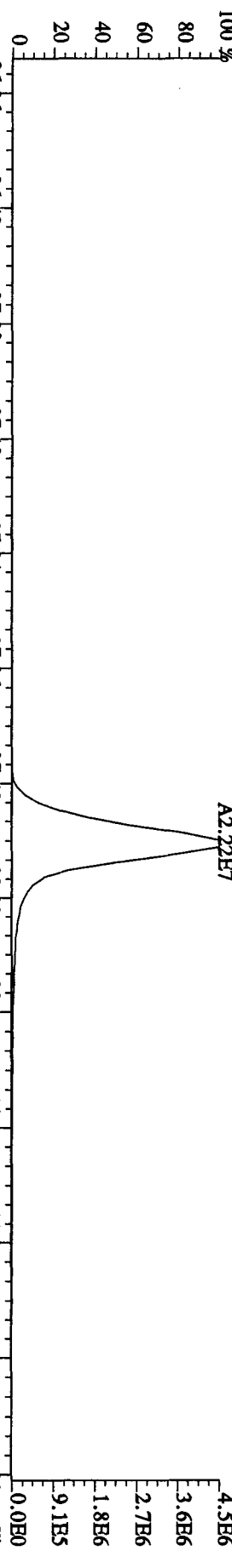
File:03MAY10A4D5 #1-198 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
 423.7766 S:17 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1724.0,1.00%,F,T)
 100 % A1.51E7



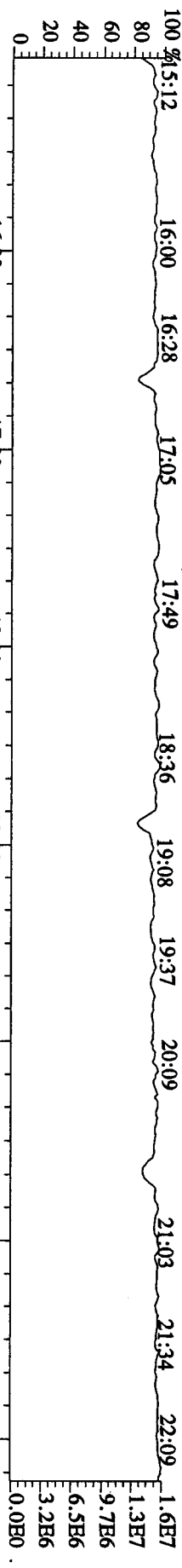
File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
 441.7428 S:17 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1536,0,1,00%,F,T)
 100 %



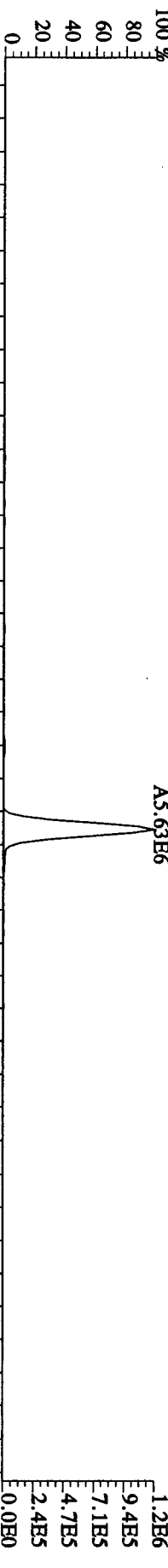
File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 22:59:36 GC EI + Voltage SIR Autospec-UltimaE
 Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DXINRES8290A
 457.7377 S:17 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2524.0,1.00%,F,T)
 100 %



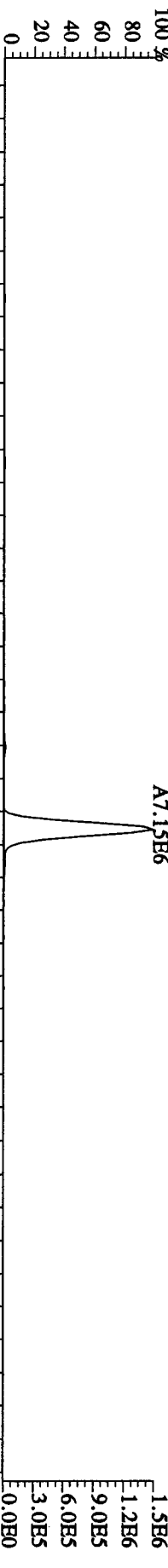
File:03MAY10A4D5 #1-434 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A
 354.9792 S:17 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)
 100 % 15:12 16:00 16:28 17:05 17:49 18:36 19:08 19:37 20:09 21:03 21:34 22:09



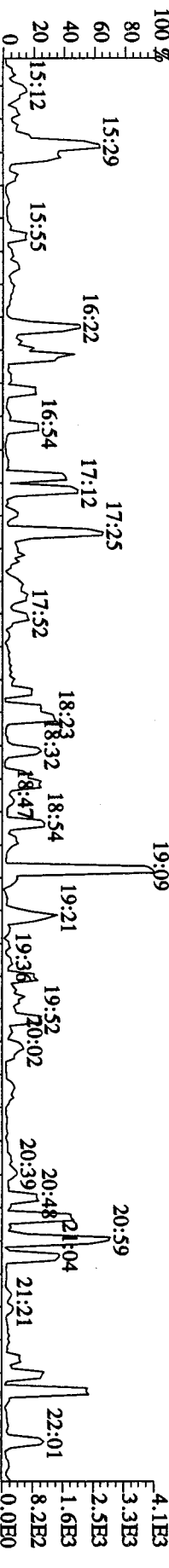
303.9016 S:17 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,1200.0,1.00%,F,T)
 100 % 16:00 17:00 18:00 19:00 20:00 21:00 22:00



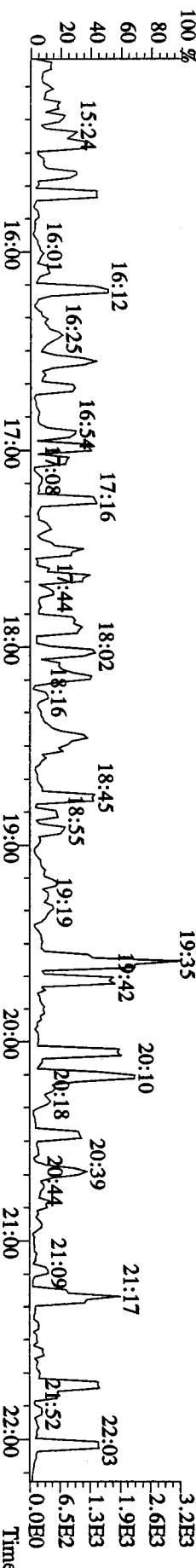
305.8987 S:17 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,1472.0,1.00%,F,T)
 100 % 16:00 17:00 18:00 19:00 20:00 21:00 22:00



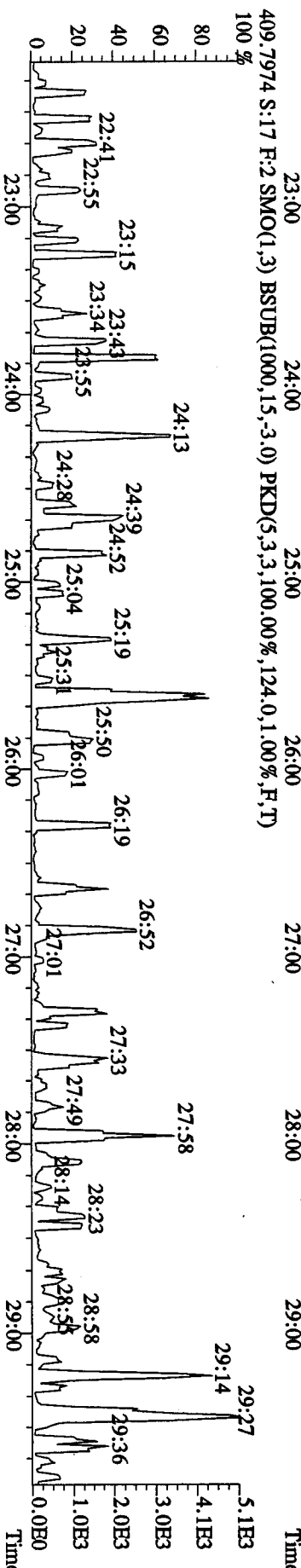
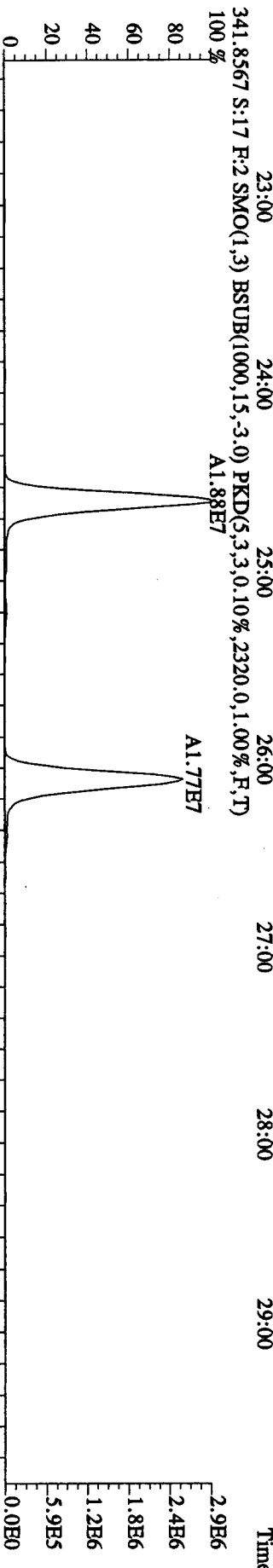
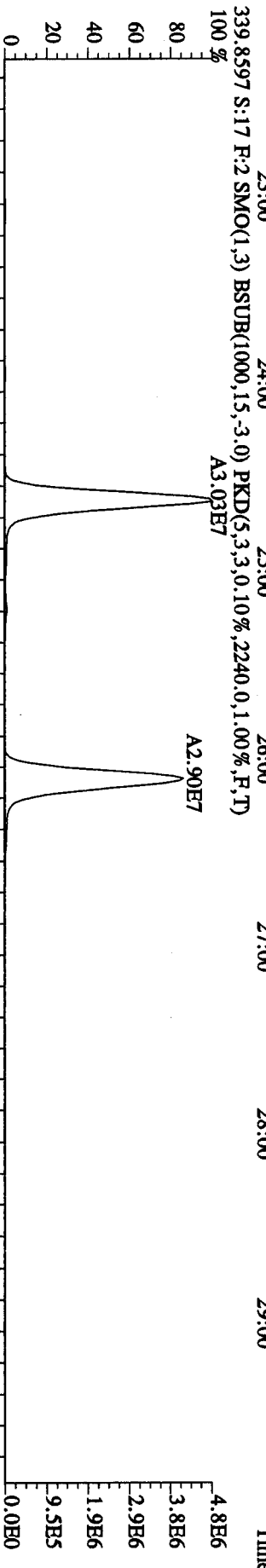
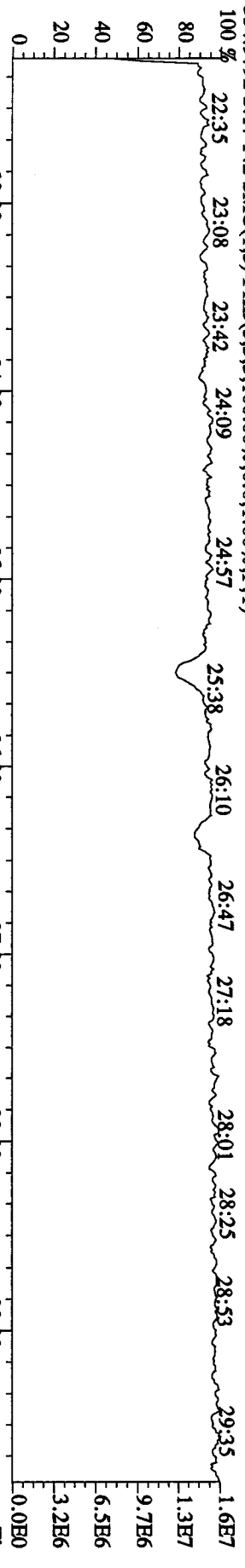
375.8364 S:17 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,184.0,1.00%,F,T)
 100 % 16:00 17:00 18:00 19:00 20:00 21:00 22:00



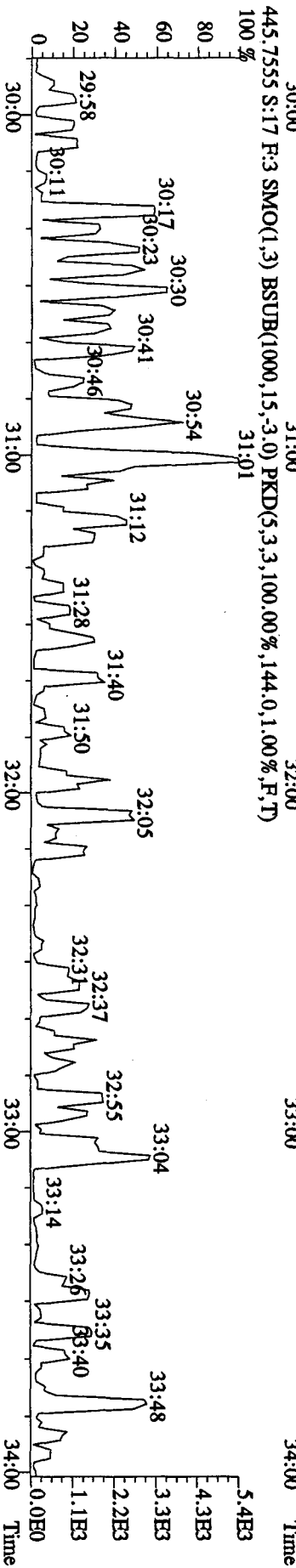
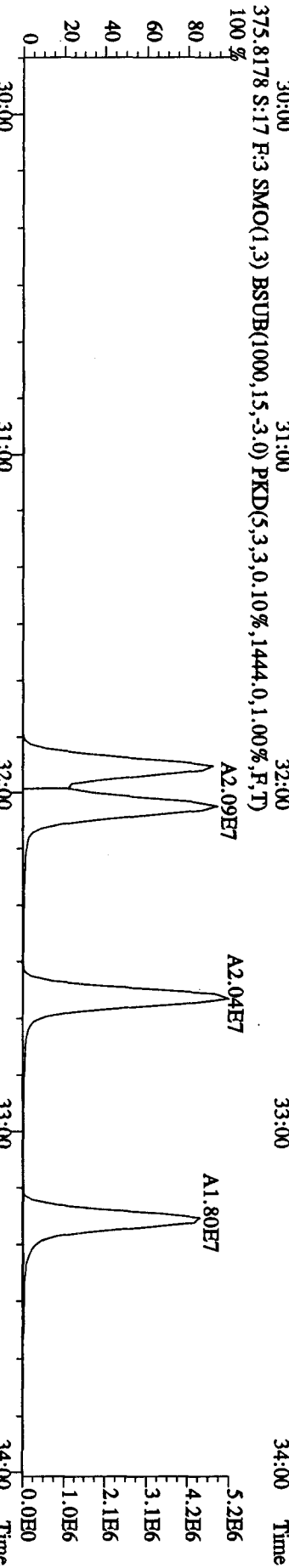
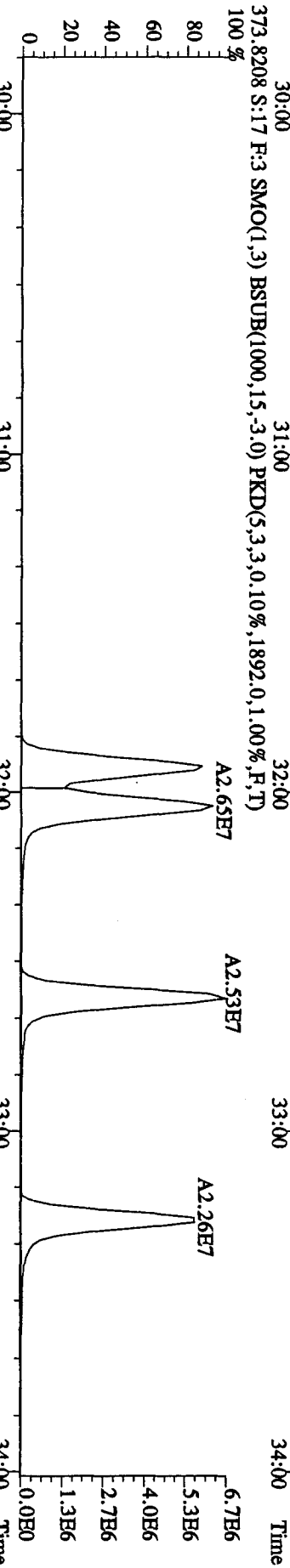
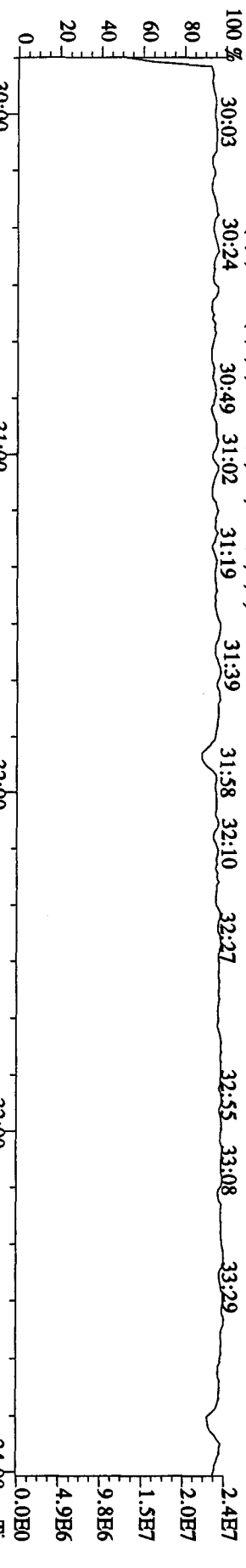
409.7974 S:17 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,244.0,1.00%,F,T)
 100 % 16:00 17:00 18:00 19:00 20:00 21:00 22:00



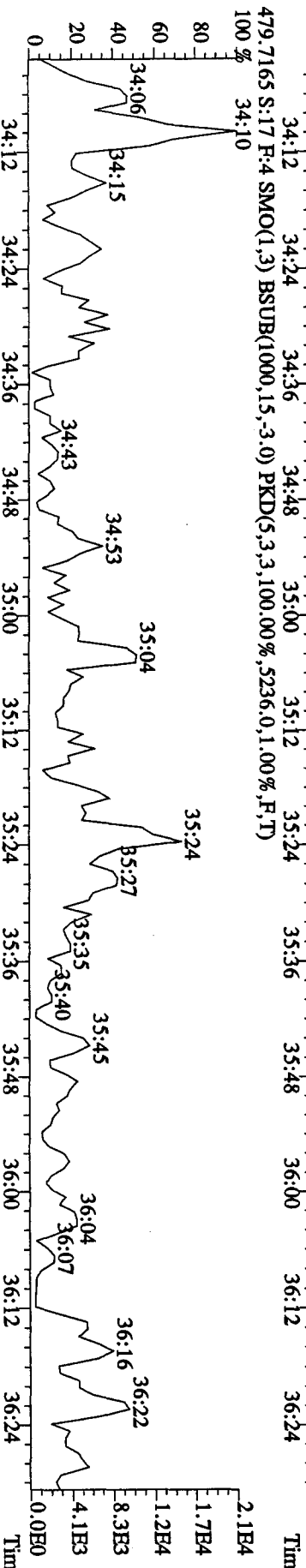
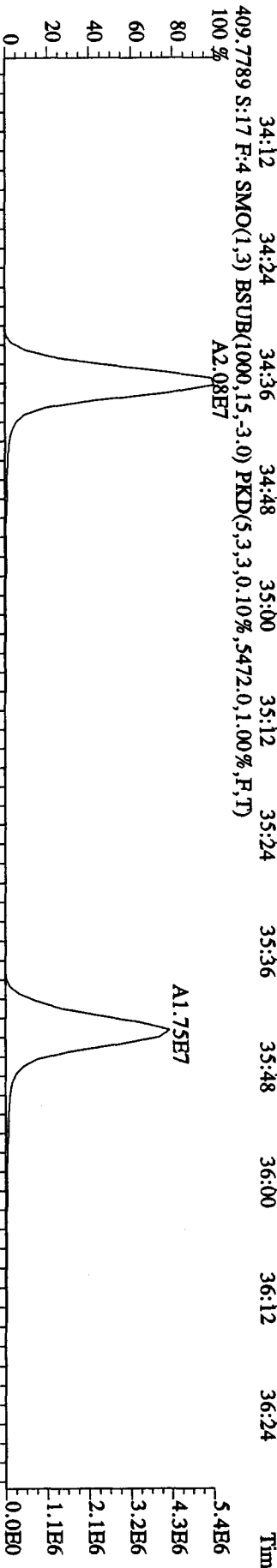
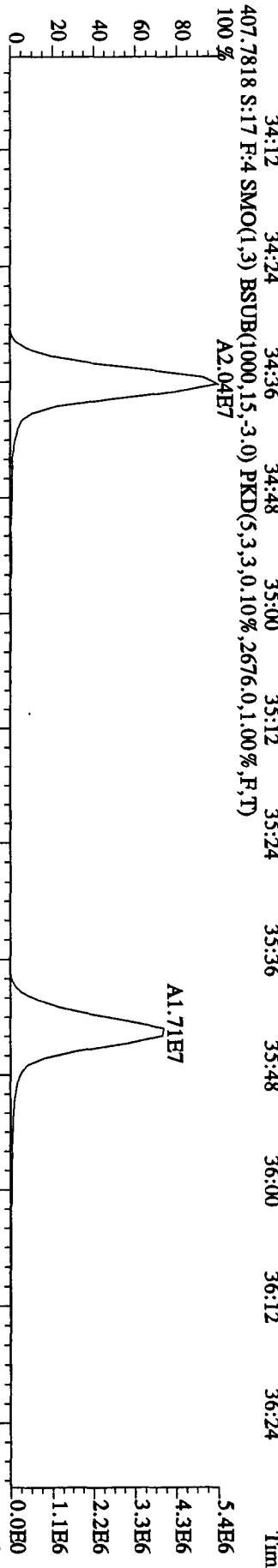
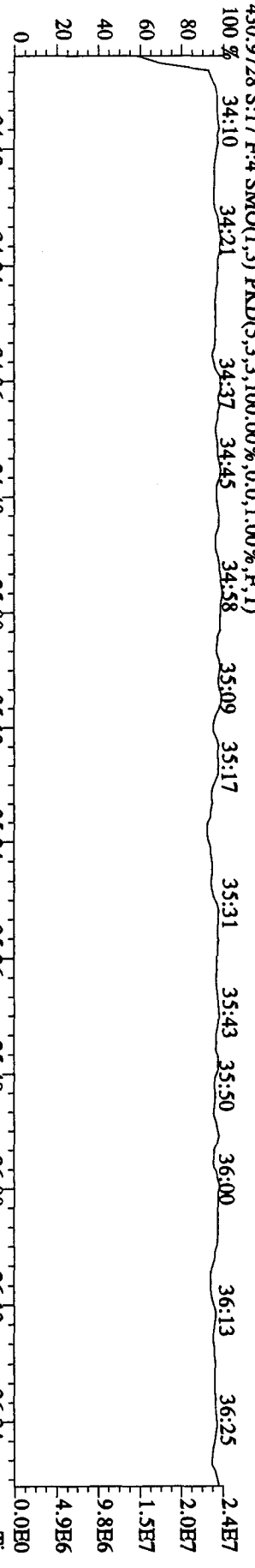
File:03MAY10A4D5 #1-604 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#17 Text:ST0503A :CS3 10DDXN083 Exp:DIOXINRES8290A
 354.9792 S:17 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



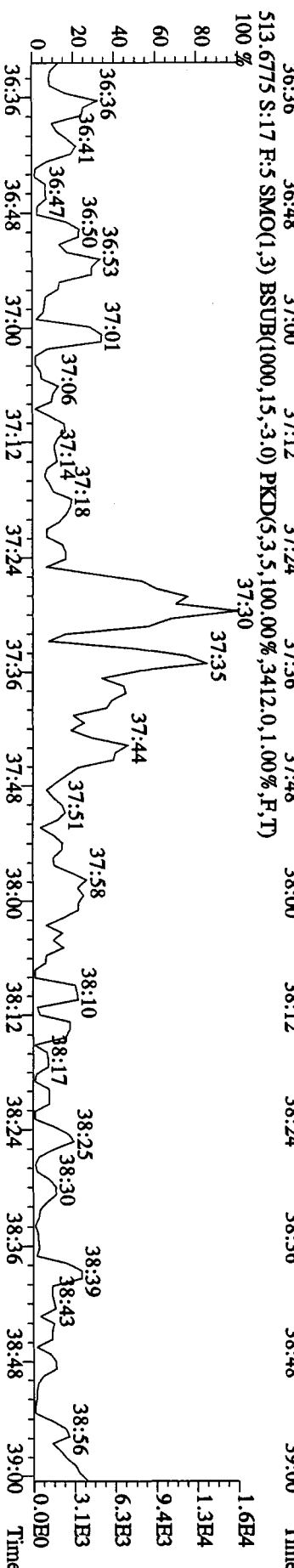
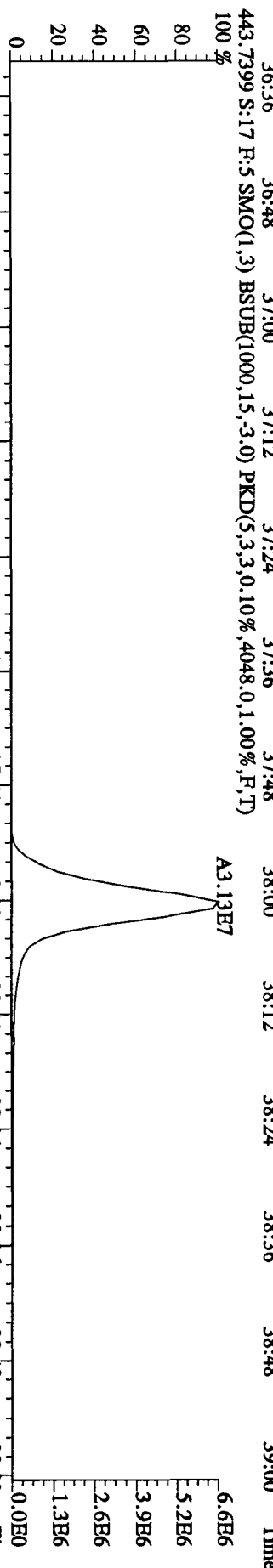
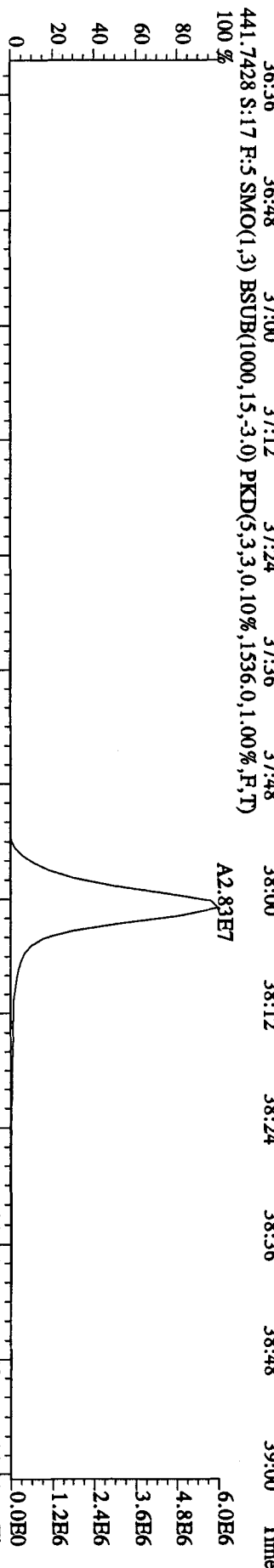
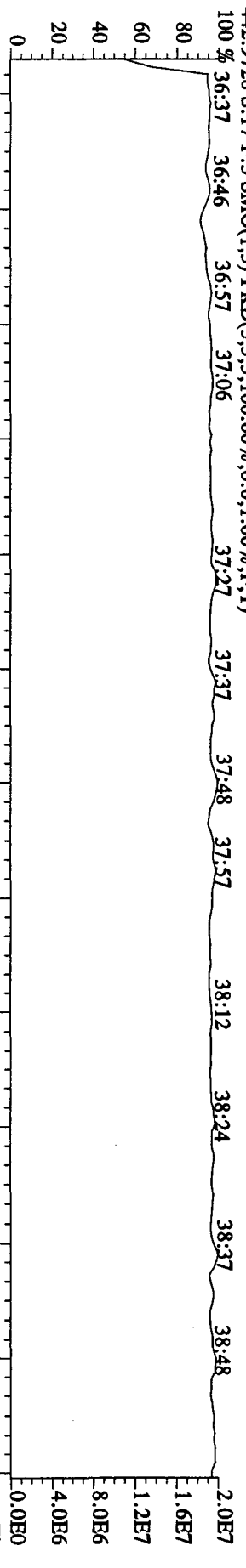
File:03MY10A4D5 #1-317 Acq: 3-MAY-2010 22:59:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A



File:03MY10A4D5 #1-198 Acq: 3-MAY-2010 22:59:36 GC EI + Voltage SIR Autospec-UltimaE
 Sample#17 Text:ST0503A :CS3 10DDXN083 Exp:DIOXINRES8290A



File:03MY10A4D5 #1-190 Acq: 3-MAY-2010 22:59:36 GC EI + Voltage SIR Autospec-UltimaE
 Sample#17 Text:ST0503A :CS3 10DXN083 Exp:DIOXINRES8290A



Daily Calibration Checklist
Dioxin MethodsMethod ID DB225Associated ICAL DB2250421105D2Column ID DR225Instrument ID 5D2STD ID ST0504, ST0504ASTD Solution 10DYN/111Analyzed by KSS, ASDate Analyzed 05-04-10Std. Pkg. By ASDate Std. Pkg. Assembled 05-05-10Std. Pkg. Reviewed By KSSDate Std. Pkg. Reviewed 05-05-10

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 \leq 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) \leq 20% from curve RRFs for native analytes, \leq 30% from curve RRFs for labeled compounds.

Method 8290/TO9/M0023A: (ending) \leq 25% from curve RRFs for native analytes, \leq 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: ST0504 File text: CS3 10DXN111
Run #6 Filename 04MY105D2 S: 1 I: 1
Acquired: 4-MAY-10 09:39:43 Processed: 4-MAY-10 10:15:49
Run: 03MY10B5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 04MY105D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	74484100	0.78 y	14:57	-	100.00	-	n
13C-2,3,7,8-TCDF	149368900	0.81 y	16:08	2.01	100.00	-4.8	n
2,3,7,8-TCDF	17194120	0.80 y	16:09	1.15	10.00	5.8	n
13C-2,3,7,8-TCDD	72289800	0.75 y	14:45	0.97	100.00	2.3	n
2,3,7,8-TCDD	9687820	0.82 y	14:46	1.34	10.00	-1.3	n
37Cl-2,3,7,8-TCDD	16237680	1.00 y	14:46	2.18	10.00	-4.3	n

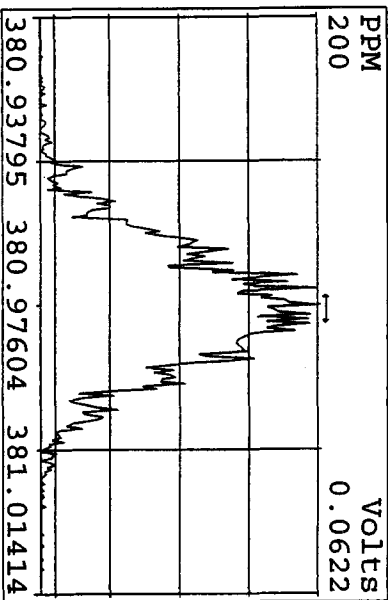
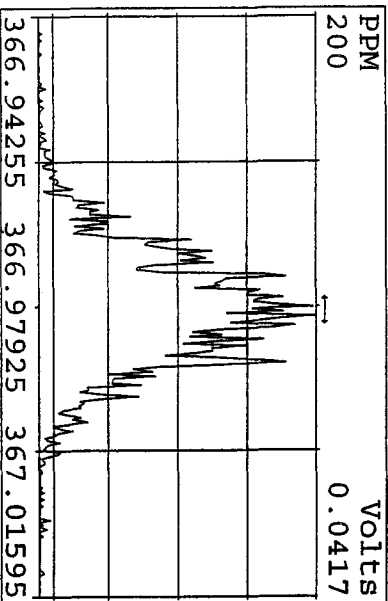
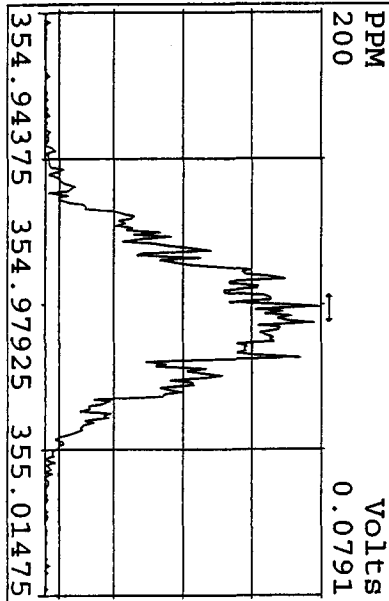
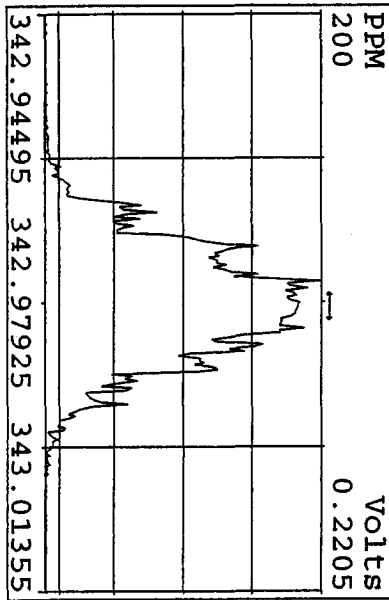
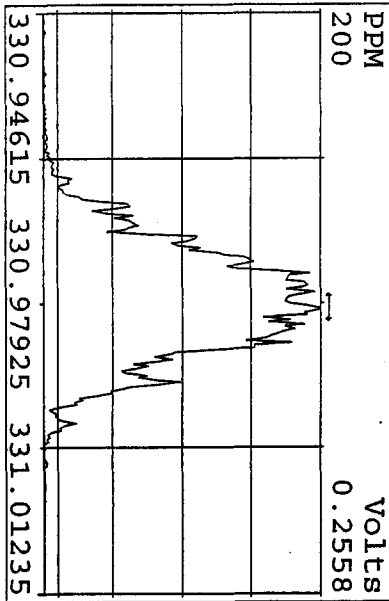
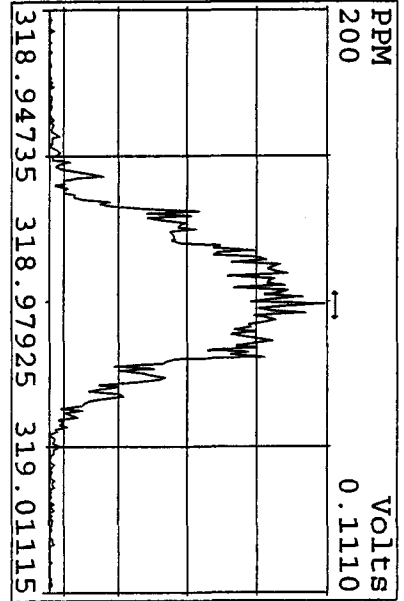
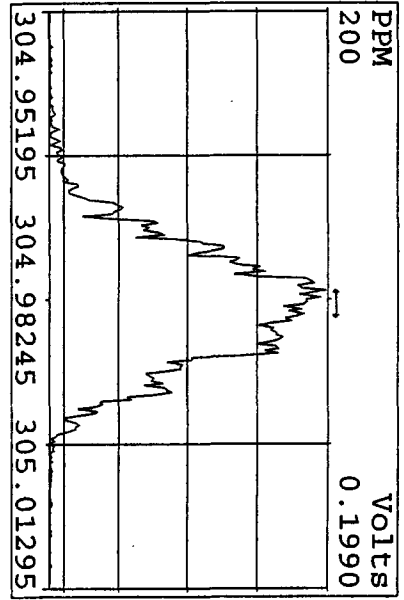
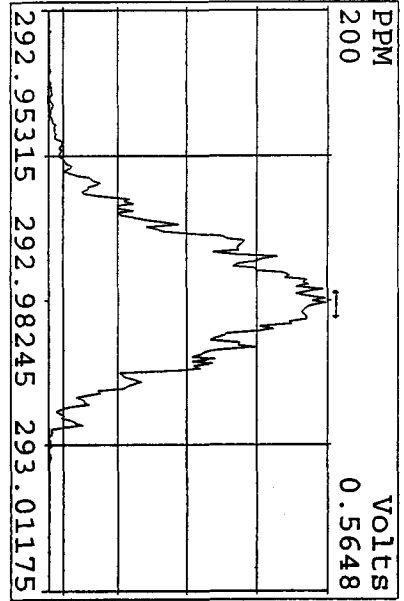
Run text: ST0504A File text: ST0504A :CS3 10DXN111
Run #23 Filename 04MY105D2 S: 18 I: 1
Acquired: 4-MAY-10 20:10:09 Processed: 4-MAY-10 20:58:10
Run: 04MY105D2 Analyte: DB225 Cal: DB2250421105D2 Results: 04MY105D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	79105900	0.75 y	14:56	-	100.00	-	n
13C-2,3,7,8-TCDF	146956800	0.85 y	16:06	1.86	100.00	-11.8	n
2,3,7,8-TCDF	16603220	0.81 y	16:07	1.13	10.00	3.8	n
13C-2,3,7,8-TCDD	78244100	0.75 y	14:44	0.99	100.00	4.3	n
2,3,7,8-TCDD	10038890	0.80 y	14:45	1.28	10.00	-5.5	n
37C1-2,3,7,8-TCDD	16539740	1.00 y	14:45	2.09	10.00	-8.2	n

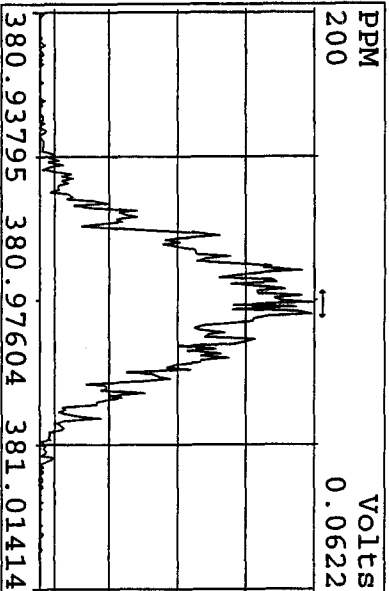
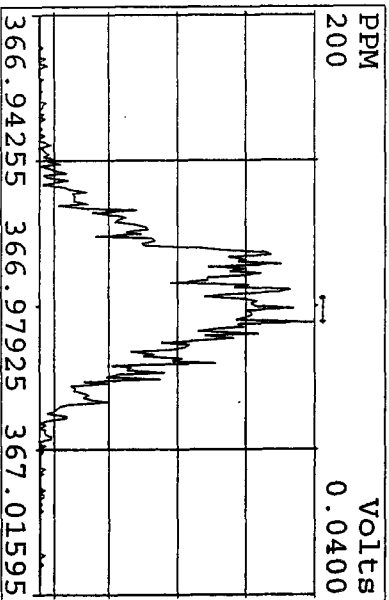
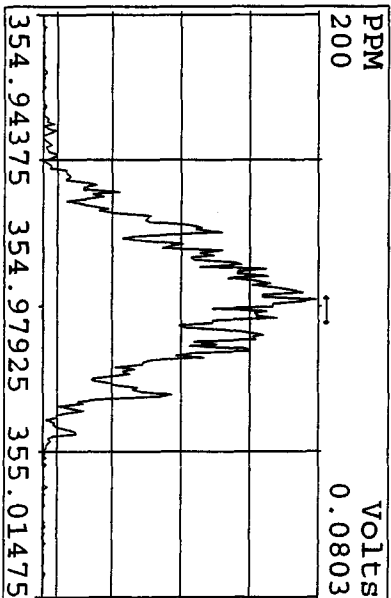
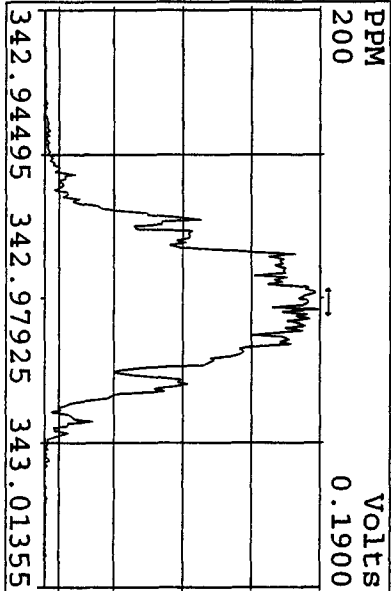
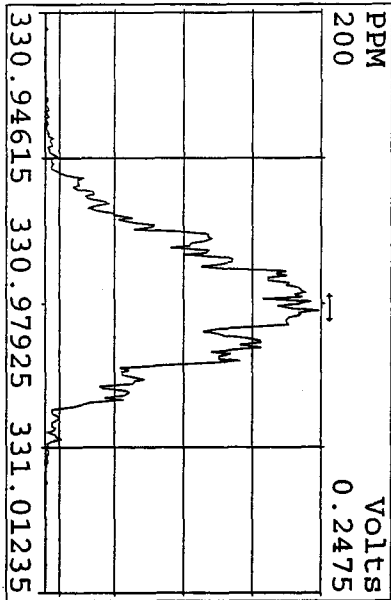
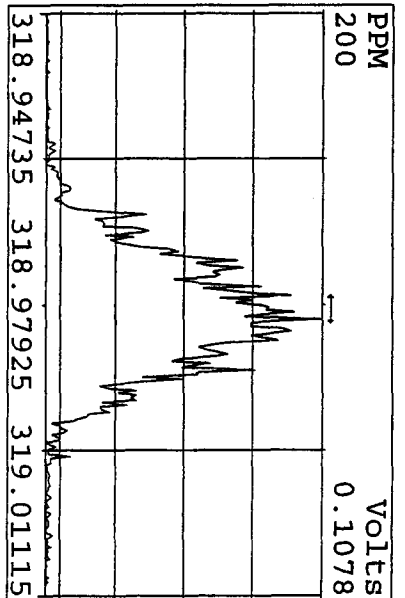
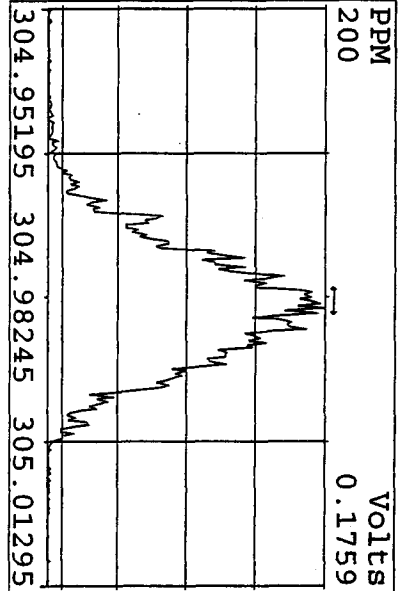
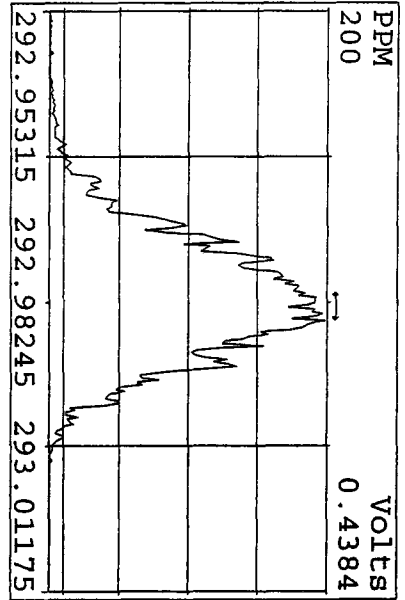
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
04MY105D2	1	ST0504	CS3 10DXN111				1.000	
04MY105D2	2	CP0504	DB-225 CPSM 3732-06				1.000	
04MY105D2	3	SB0504	Solvent Blank C-14				1.000	
04MY105D2	4	LOPQ8-1-AA	G0D290444-1	20	8290/WATER	86	1.049	L
04MY105D2	5	LOPRJ-1-AA	G0D290444-2	20	8290/WATER		1.042	L
04MY105D2	6	LOPTN-1-AA	G0D290444-3	20	8290/WATER		1.044	L
04MY105D2	7	LOPTX-1-AA	G0D290444-4	20	8290/WATER		1.044	L
04MY105D2	8	LOPT4-1-AA	G0D290444-5	20	8290/WATER		1.038	L
04MY105D2	9	LOPT8-1-AA	G0D290444-6	20	8290/WATER		1.040	L
04MY105D2	10	LOPT9-1-AA	G0D290444-7	20	8290/WATER		1.048	L
04MY105D2	11	LOPVA-1-AA	G0D290444-8	20	8290/WATER		1.049	L
04MY105D2	12	LX0PE-1-AA	G0D140542-1	20	8290/SOLID	70	10.150	g
04MY105D2	13	LX50T-1-AC	G0D170488-3	10	8290/SOLID	77	10.450	g
04MY105D2	14	LX50Q-1-AC	G0D170488-1	10	8290/SOLID		10.060	g
04MY105D2	15	LX3A9-1-AC	G0D160437-3	10	8290/SOLID		10.160	g
04MY105D2	16	LX3A0-1-AC	G0D160437-1	10	8290/SOLID		10.080	g
04MY105D2	17	LX39E-1-AA	G0D160516-1	20	8290/SOLID	89	10.100	g
04MY105D2	18	ST0504A	CS3 10DXN111				1.000	
04MY105D2	19						1.000	
04MY105D2	20						1.000	
04MY105D2	21						1.000	
04MY105D2	22		AS 05-04-10				1.000	
MY105D2	23						1.000	

log file reviewed
5-04-10 AM

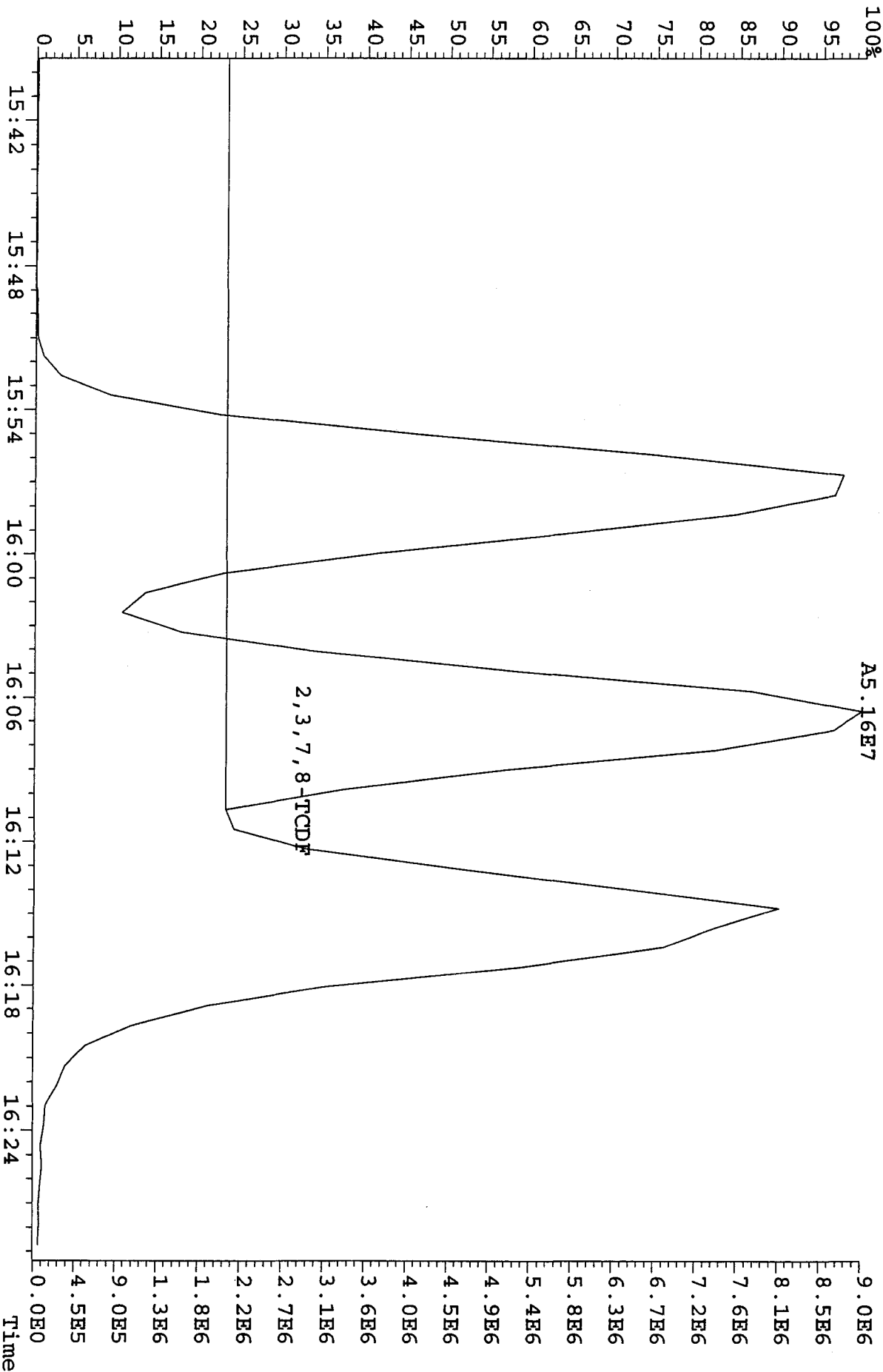
Peak Locate Examination: 4-MAY-2010:09:38 File:04MY105D2
 Experiment:DB225RES Function:1 Reference:PFK



Peak Locate Examination: 4-MAY-2010:21:07 File:RESCHK04MY105D2
Experiment:DB225RES Function:1 Reference:PFK



File: 04MY105D2 #1-1242 Acq: 4-MAY-2010 10:16:48 GC EI+ Voltage SIR 70SE
 Sample#2 Exp: DB225RES
 303.9016 S: 2 BSUB(128, 15, -3.0)

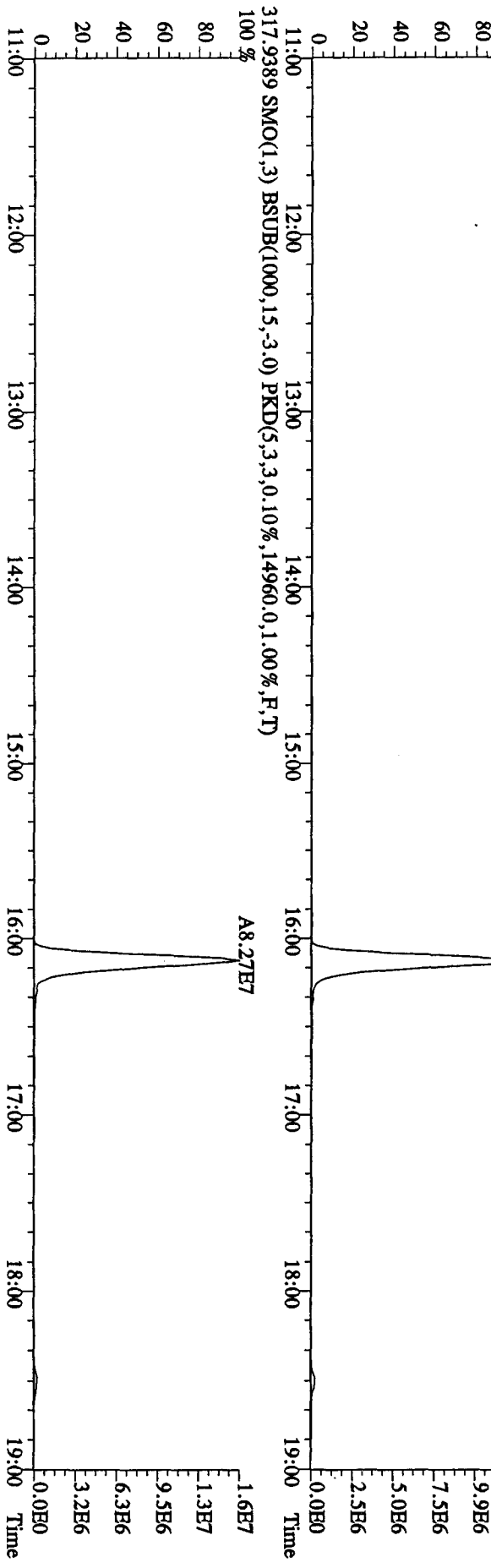
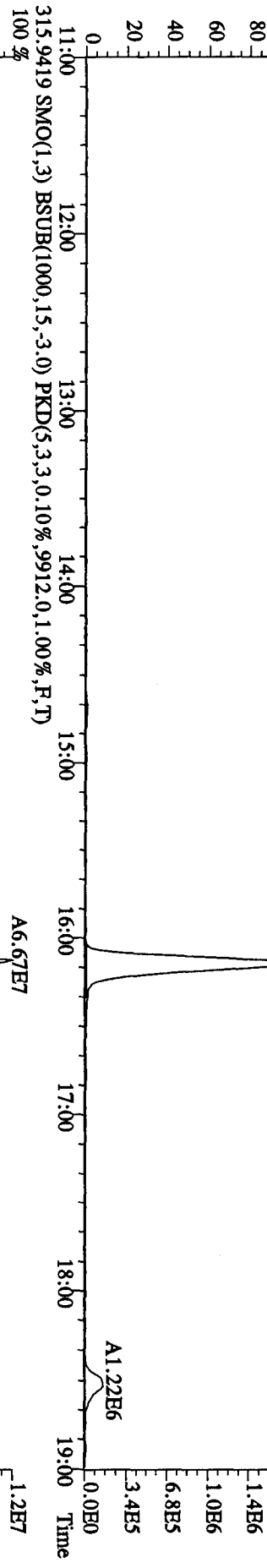
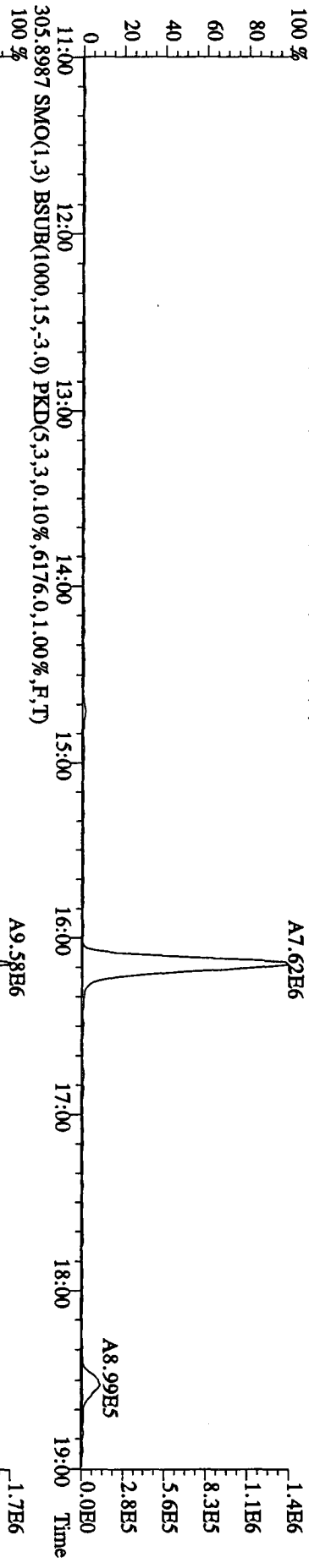


Run: 21API05D2 Analyte: DB225 Cal: DB2250421105D2

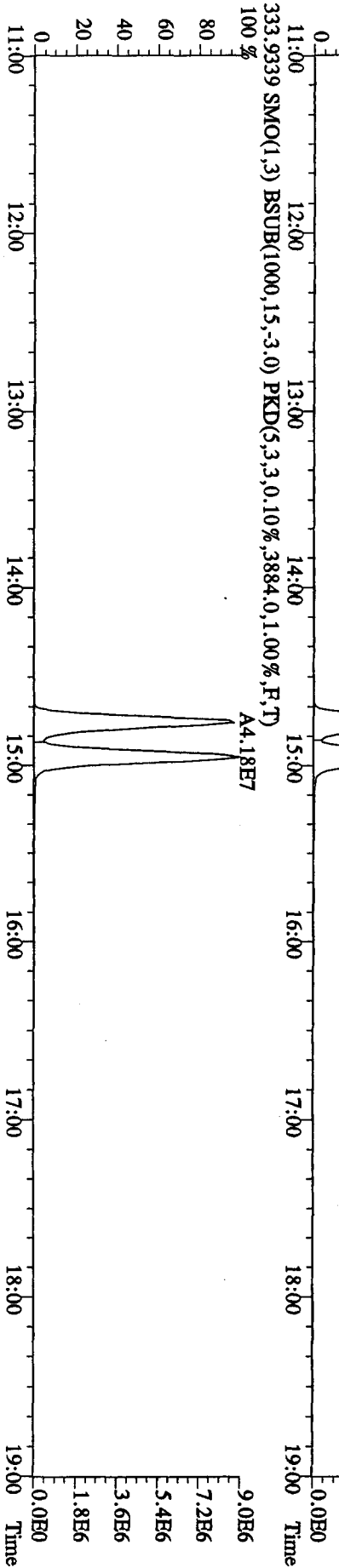
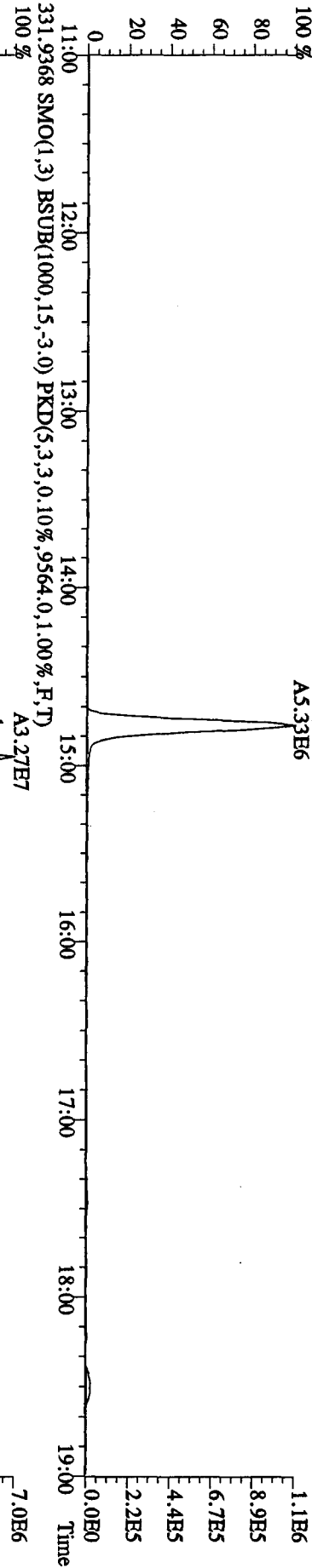
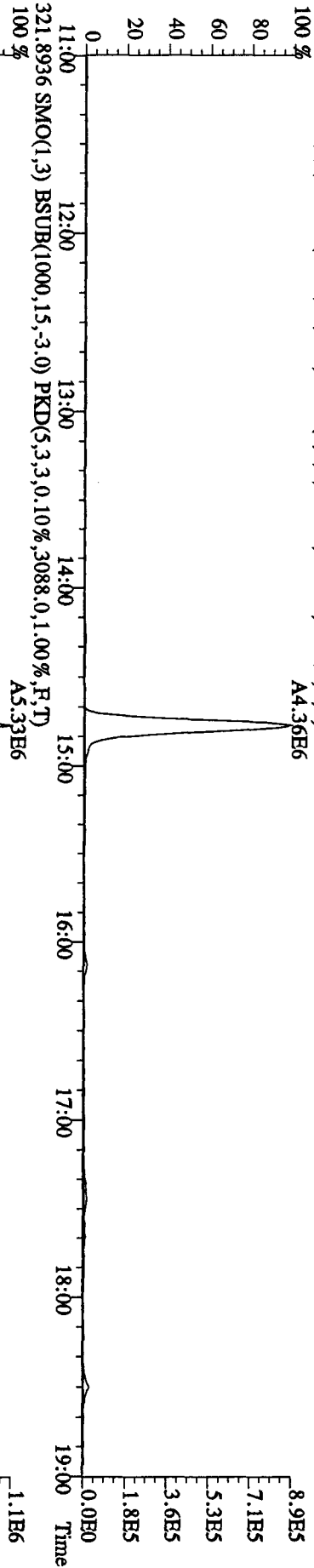
ST0421I : CS1 09DXN422 ST0421H : CS2 09DXN423 ST0421G : CS3 10DXN111
 ST0421K : CS4 09DXN426 ST0421J : CS5 09DXN456

Name	Mean	S. D.	%RSD	21API05D2				
				S14	S13	S12	S16	S15
13C-1,2,3,4-TCDD	-	-	- %	RRF1	RRF2	RRF3	RRF4	RRF5
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

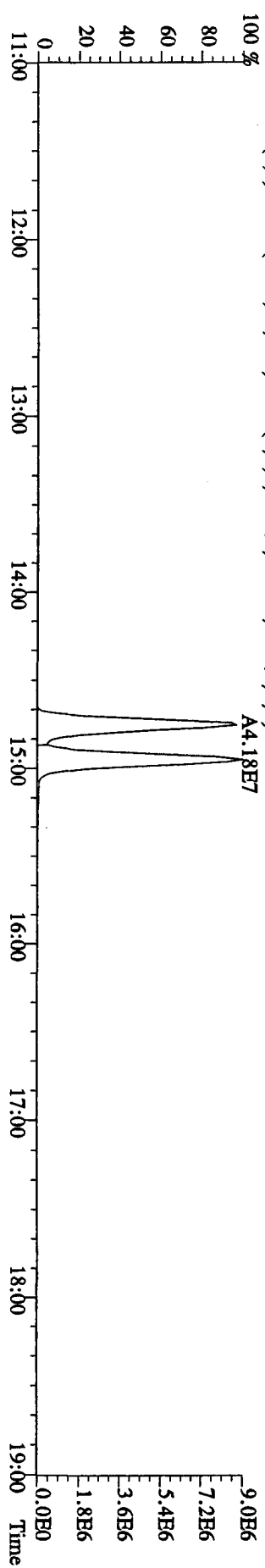
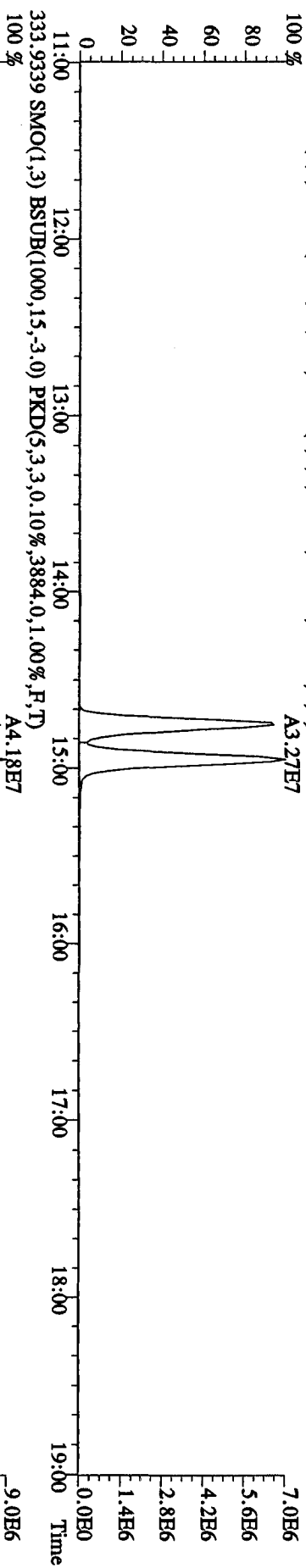
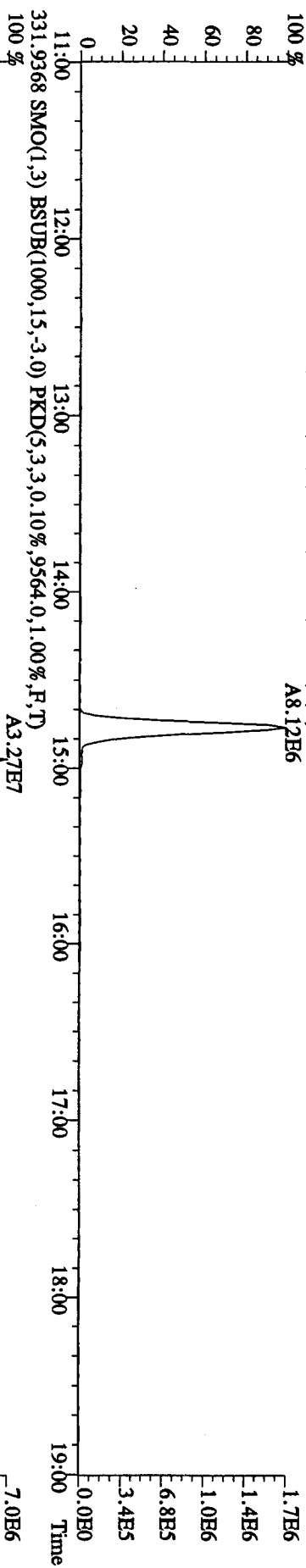
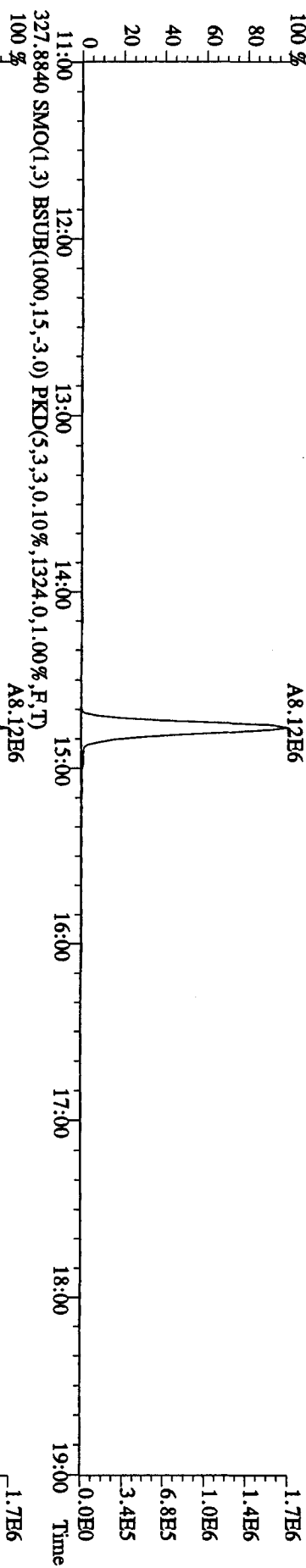
File:04MAY105D2 #1-1242 Acq: 4-MAY-2010 09:39:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0504 :CS3 10DXN111 Exp:DB225RES
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7084.0,1.00%,F,T) 100 %



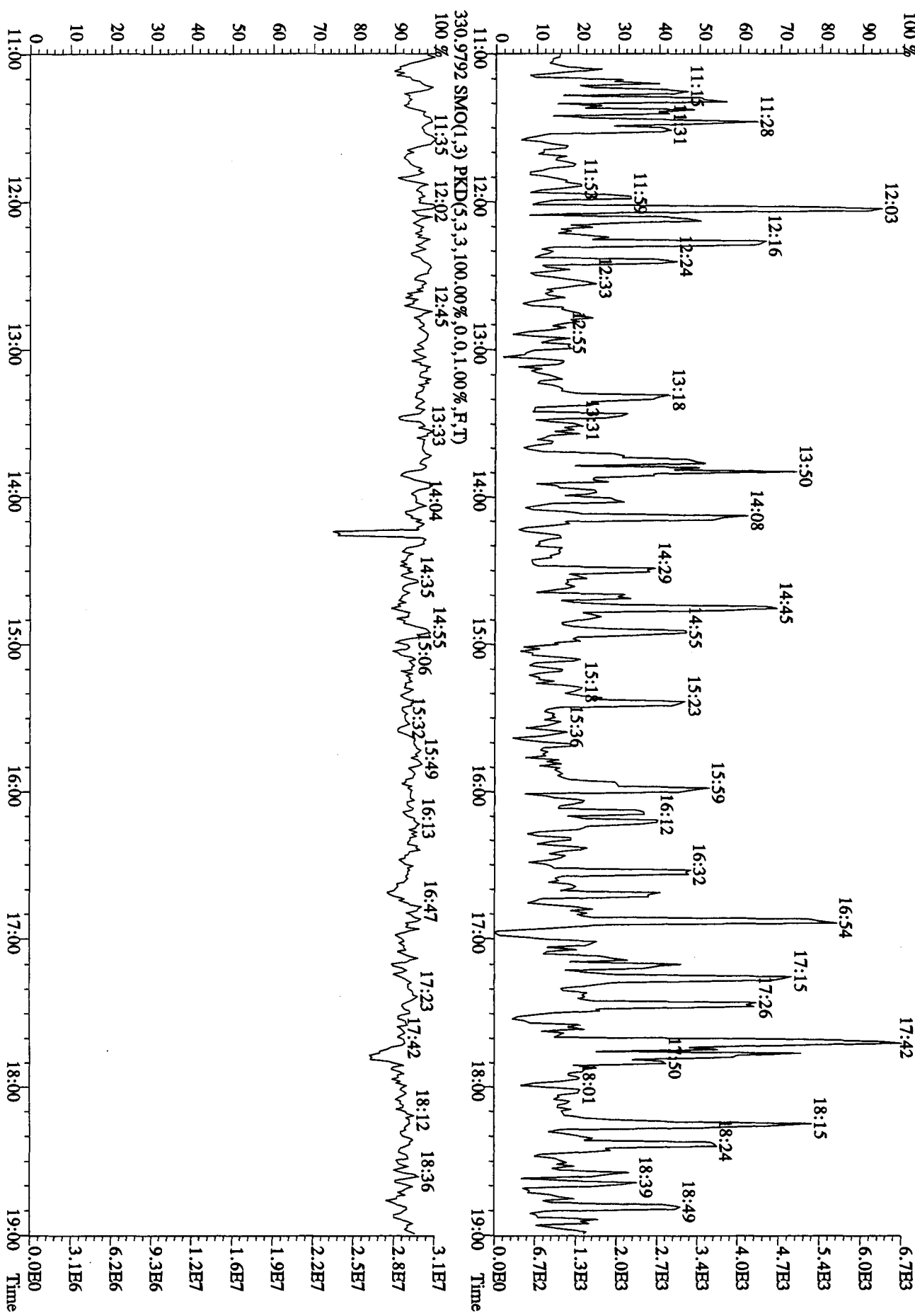
File:04MAY105D2 #1-1242 Acq: 4-MAY-2010 09:39:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:STU504 :CS3 10DXN111 Exp:DB225RES
319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3252,0,1,00%,F,T)
100% A4.36E6



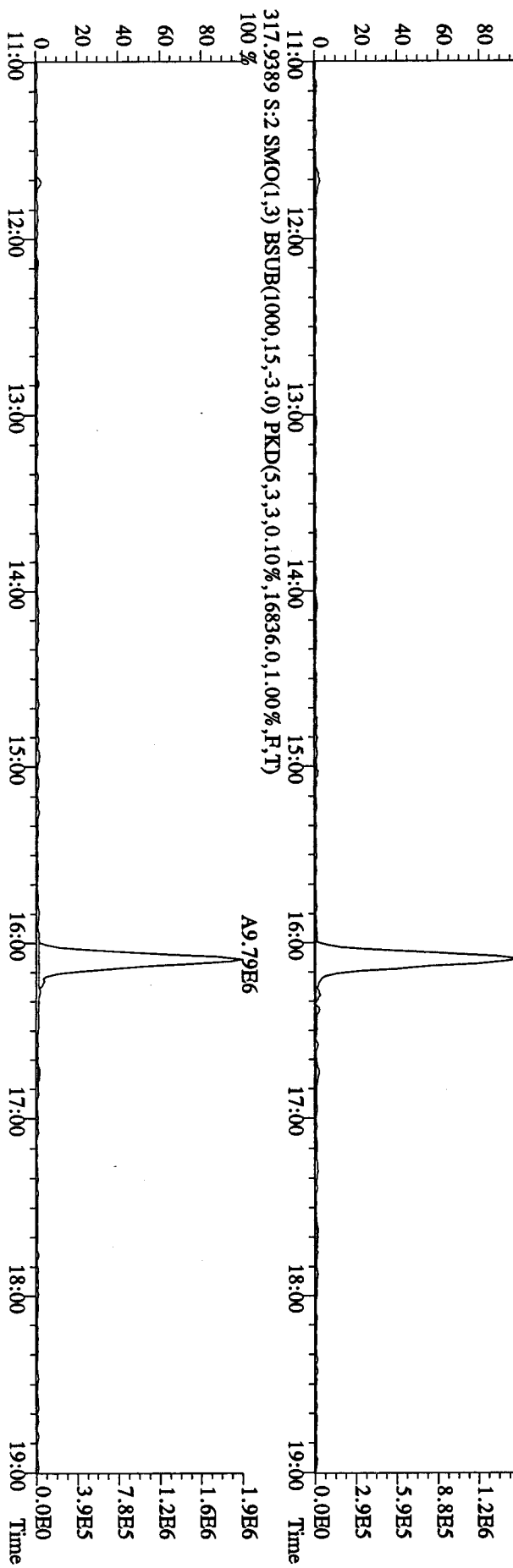
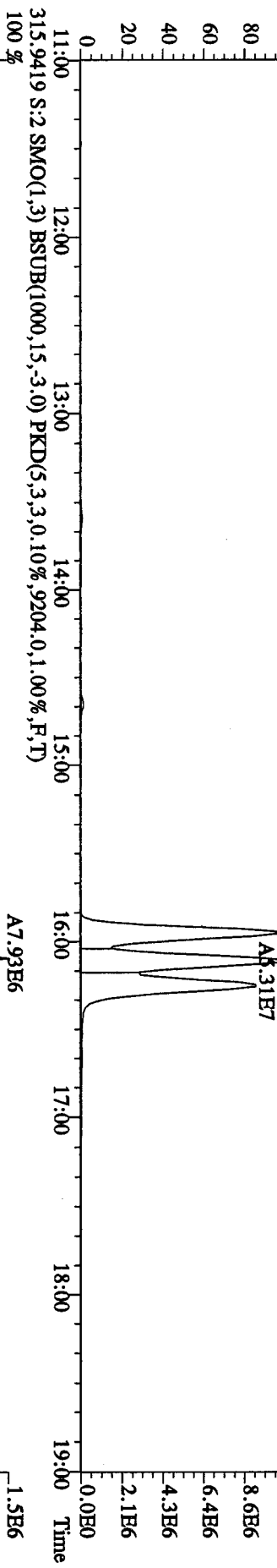
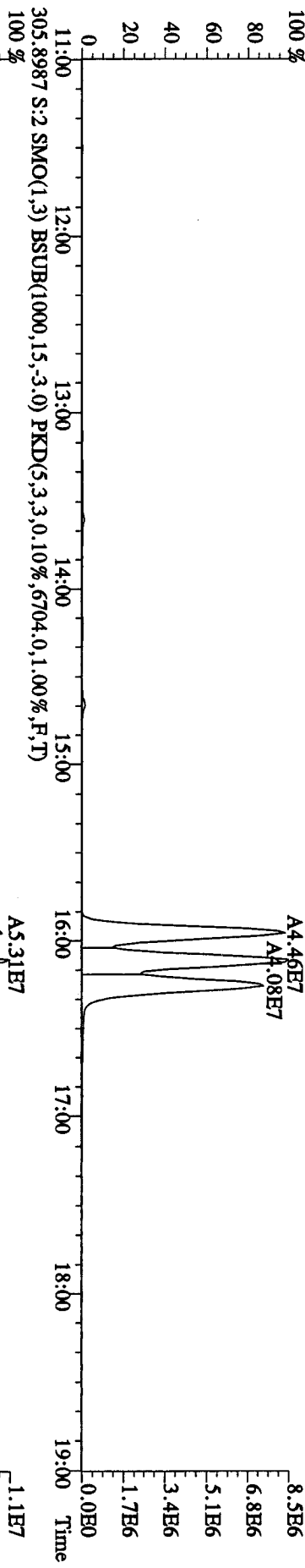
File:04MAY105D2 #1-1242 Acq: 4-MAY-2010 09:39:43 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST0504 :CS3 10DXN111 Exp:DB225RES
327.8840 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1324.0,1.00%,F,T)
100% A8.12E6



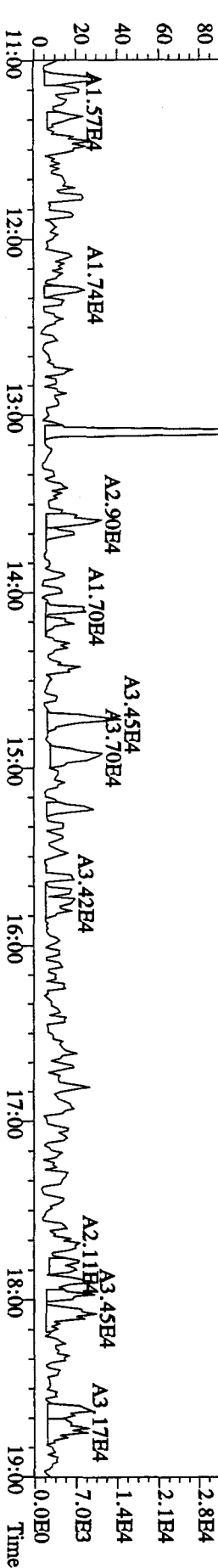
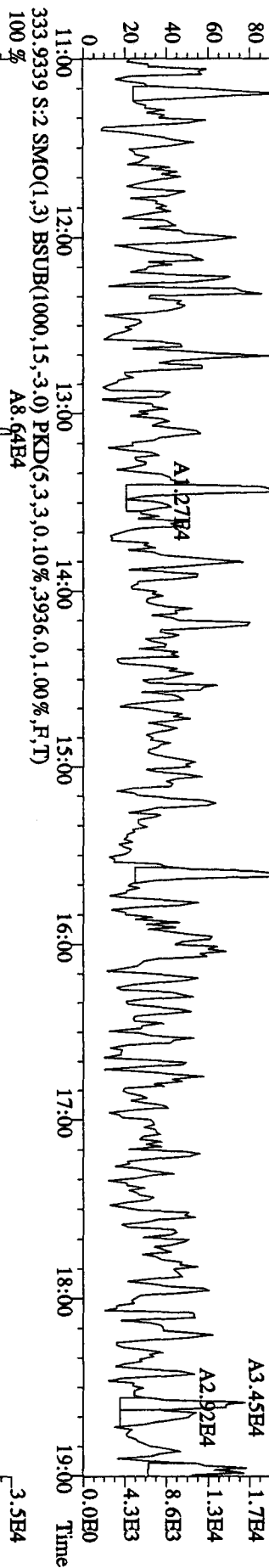
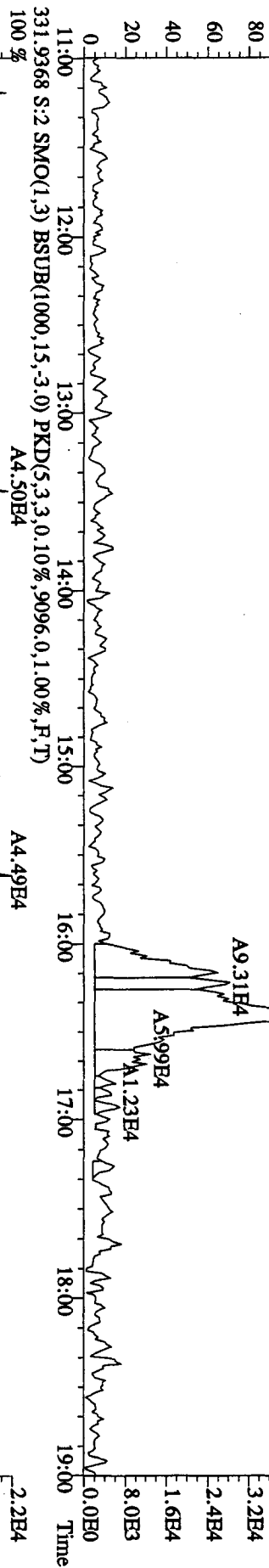
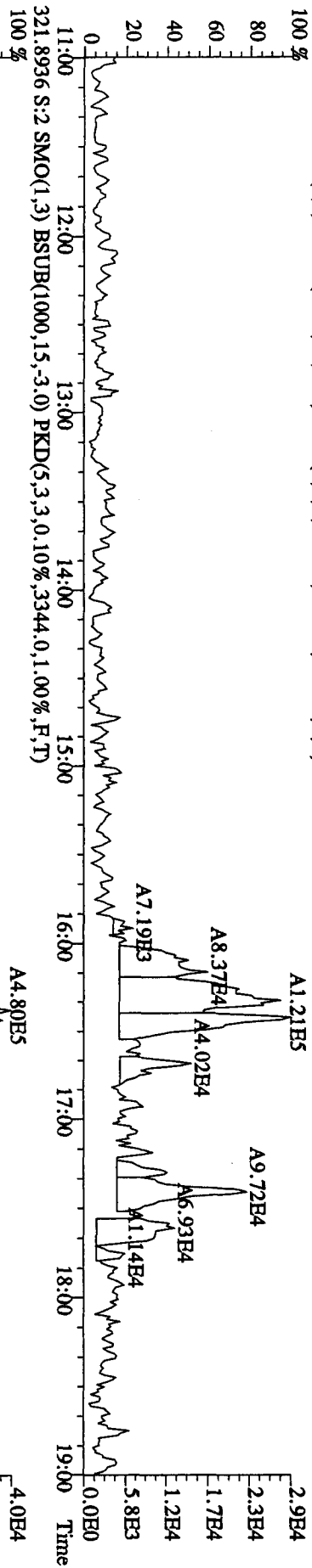
File: 04MY105D2 #1-1242 Acq: 4-MAY-2010 09:39:43 GC EI + Voltage SIR 70SE
 Sample#1 Text: ST0504 :CS3 10DXN111 Exp: DB25RES
 375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100,00%,1364.0,1.00%,F,T)



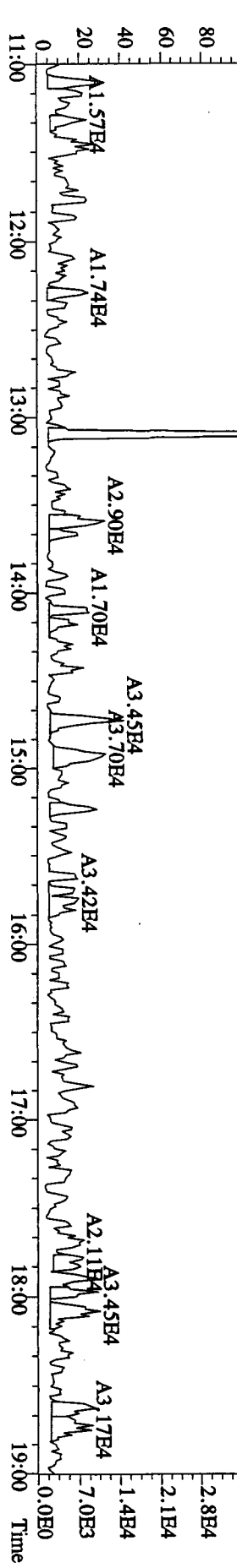
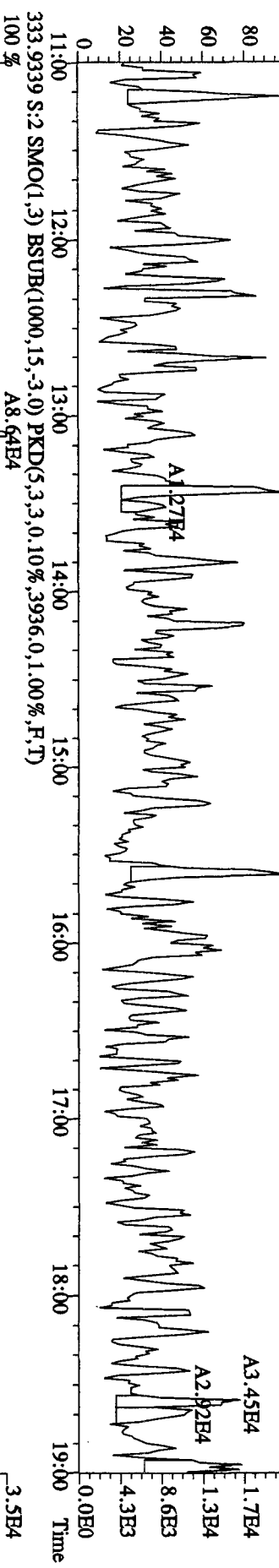
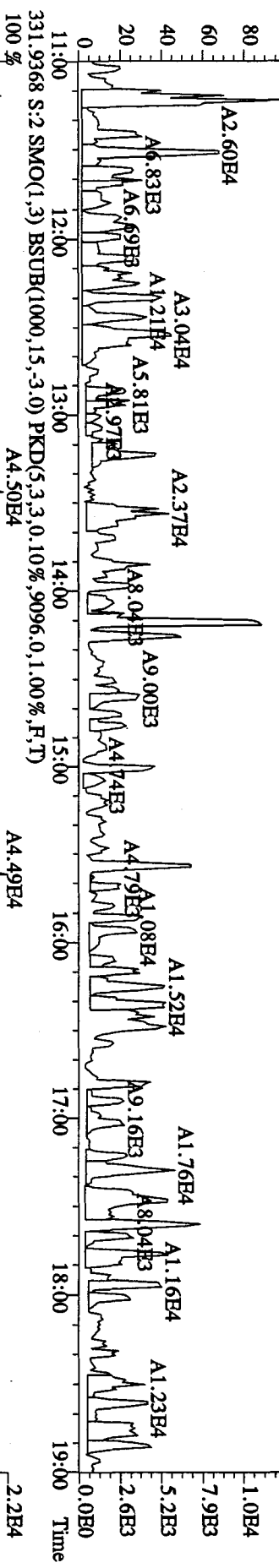
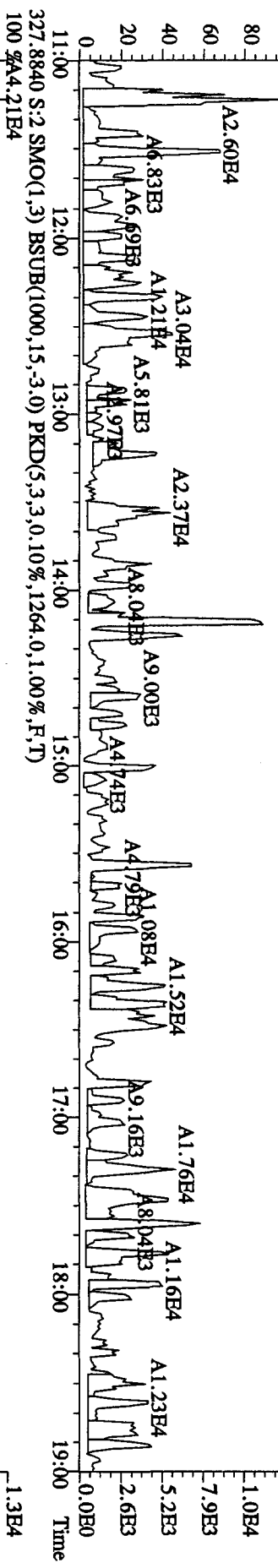
File:04MAY105D2 #1-1242 Acq: 4-MAY-2010 10:16:48 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0504 :DB-225 CPISM 3732-06 Exp:DB225RES
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8684.0,1.00%,F,T)



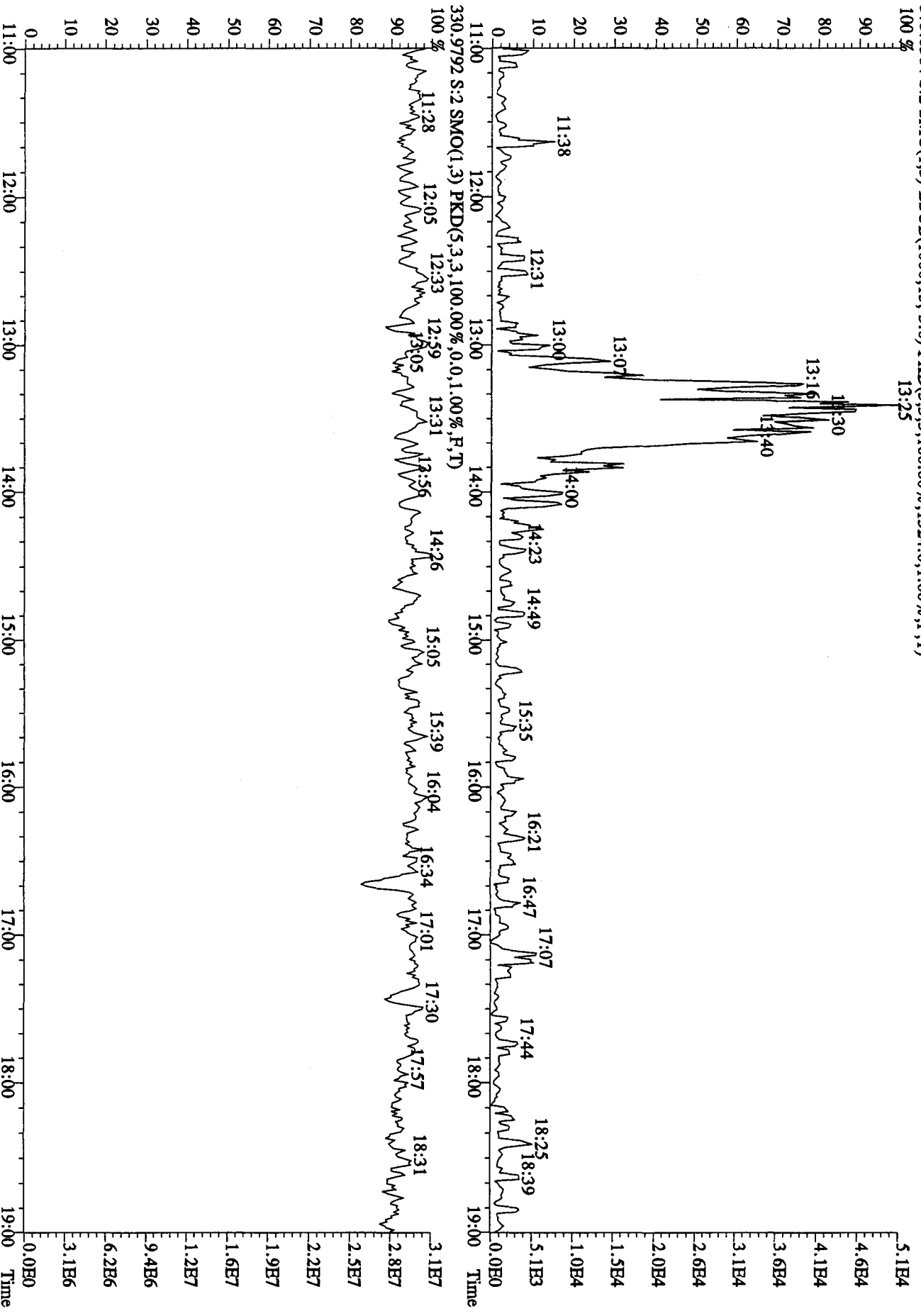
File:04NMY105D2 #1-1242 Acq: 4-MAY-2010 10:16:48 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0504 :DB-225 CP5M 3732-06 Exp:DB225RES
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3376,0,1,00%,F,T)



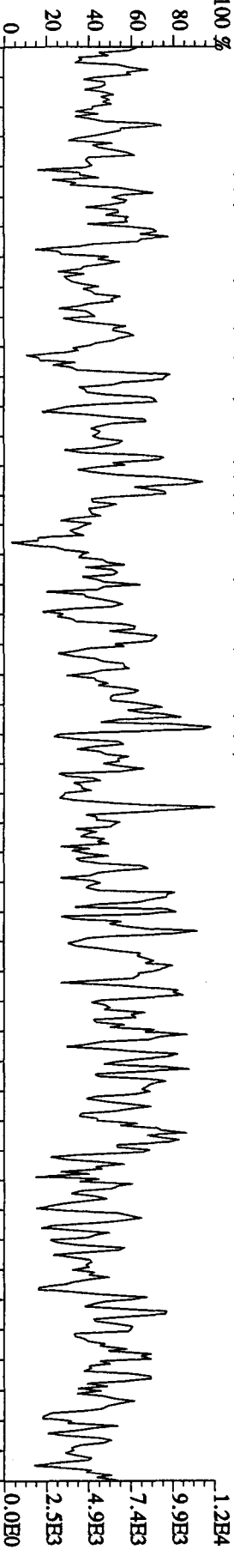
File:04MMY105D2 #1-1242 Acq: 4MAY-2010 10:16:48 GC EI+ Voltage SIR 70SB
 Sample#2 Text:CP0504 :DB-225 CP5M 3732-06 Exp:DB225RES
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1264,0,1.00%,F,T)
 100 %A4.21E4



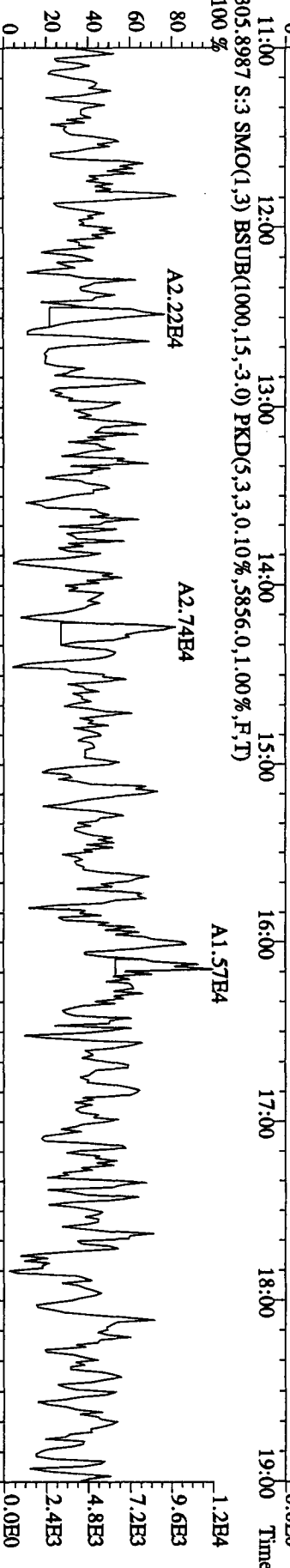
File:04MAY10SD2 #1-1242 Acq: 4-MAY-2010 10:16:48 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0504 :DB-225 CP5M 3732-06 Exp:DB225RES
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1324.0,1.00%,F,T)



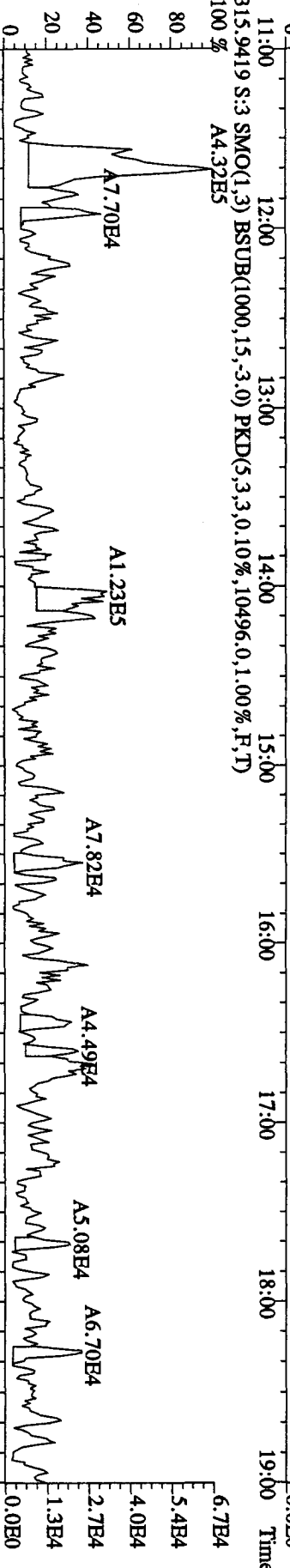
File:04MAY105D2 #1-1242 Acq: 4-MAY-2010 10:53:53 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0504 :Solvent Blank C-14 Exp:DB225RBS
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6908.0,1.00%,F,T)
 100 %



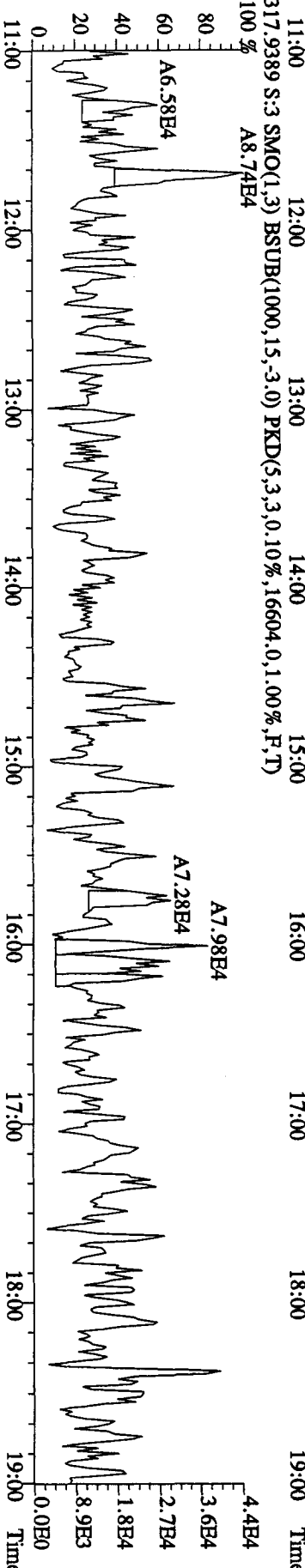
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5856.0,1.00%,F,T)
 100 %



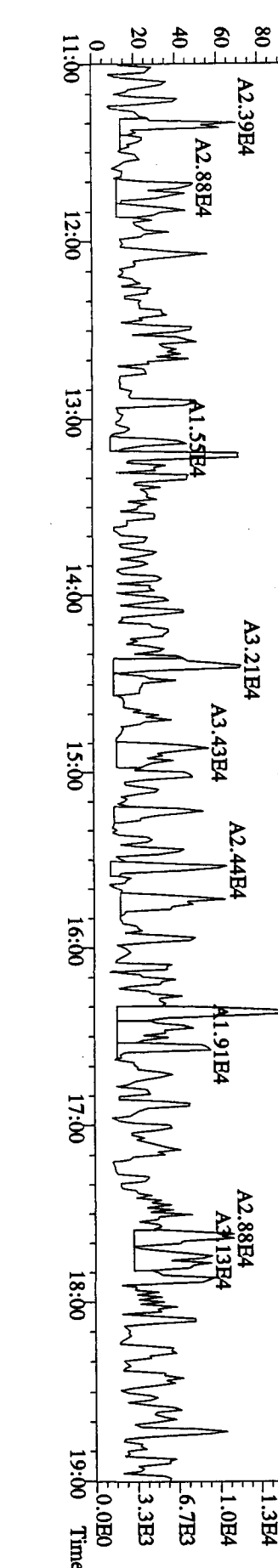
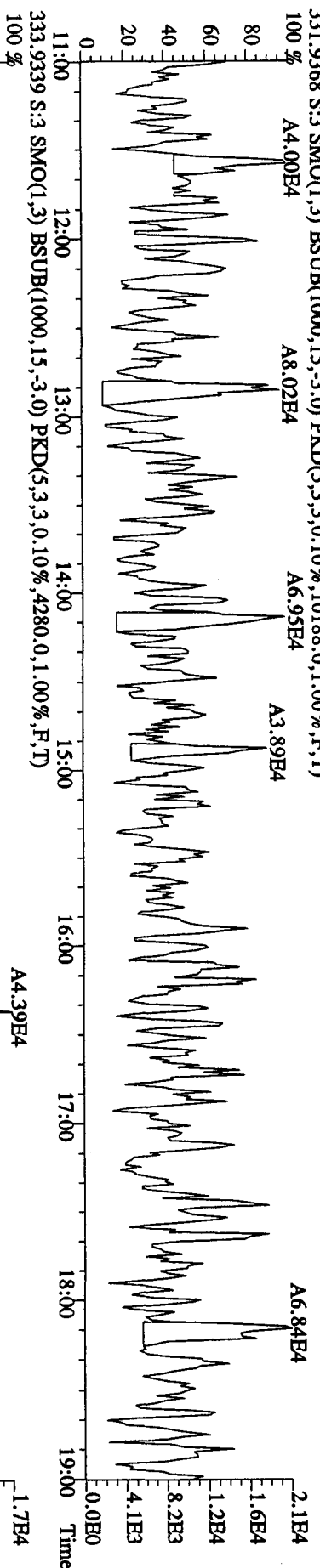
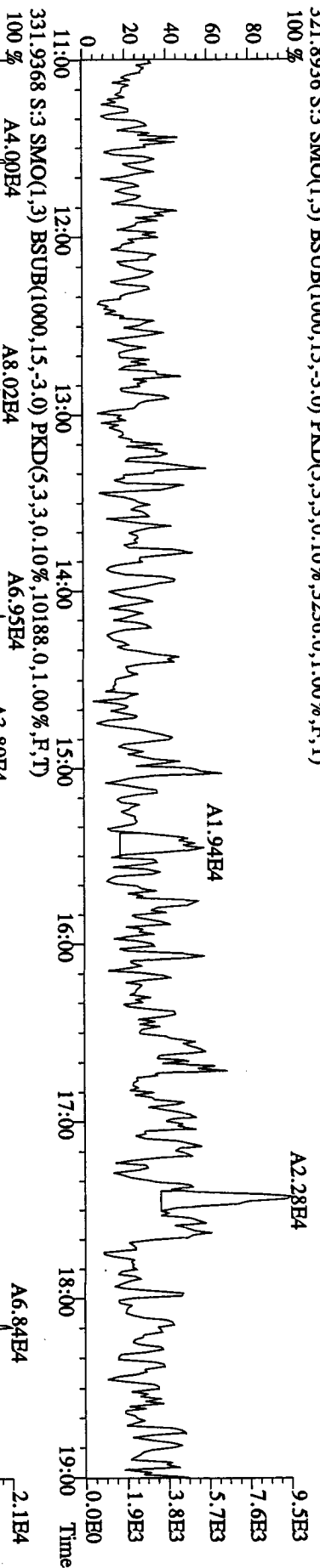
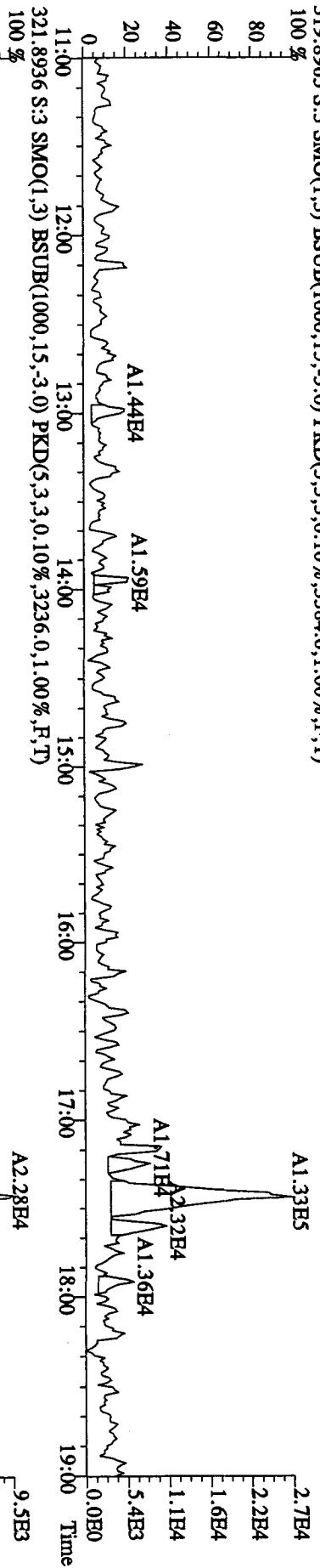
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10496.0,1.00%,F,T)
 100 %



317.9389 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16604.0,1.00%,F,T)
 100 %



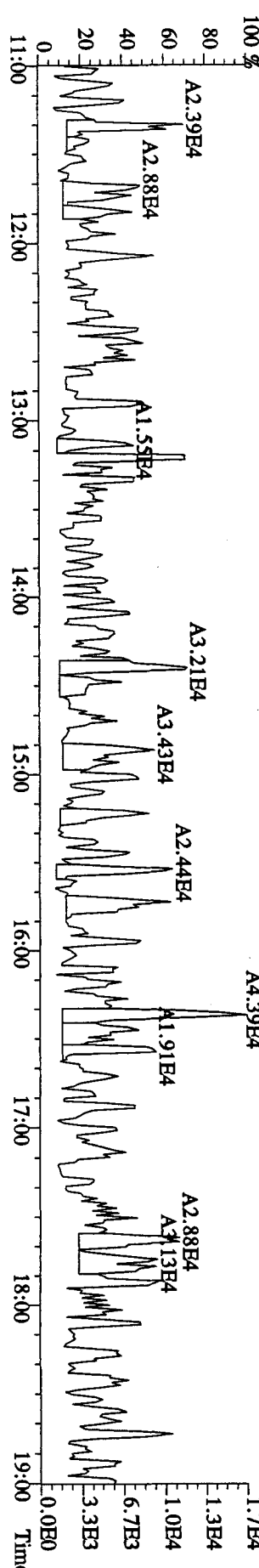
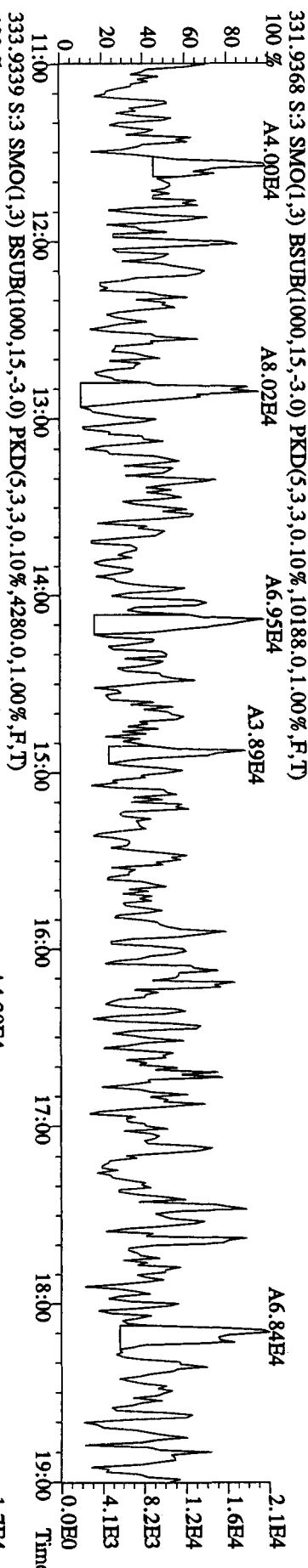
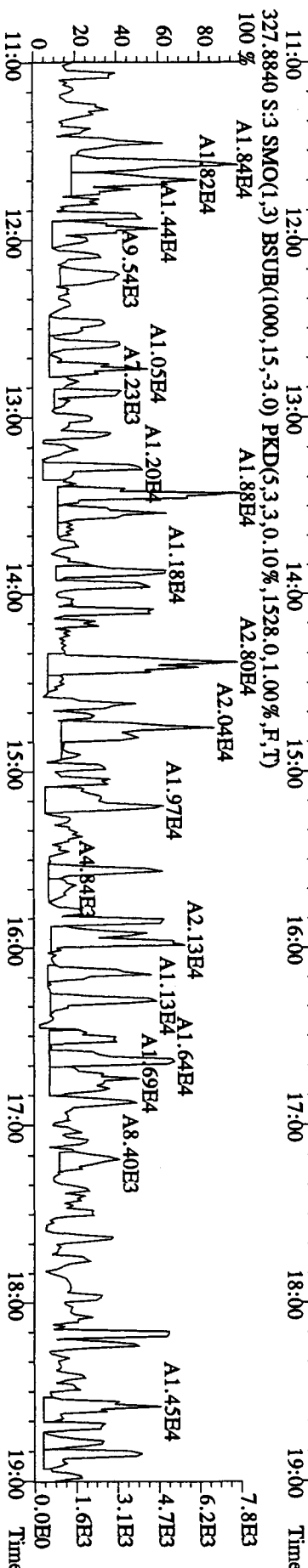
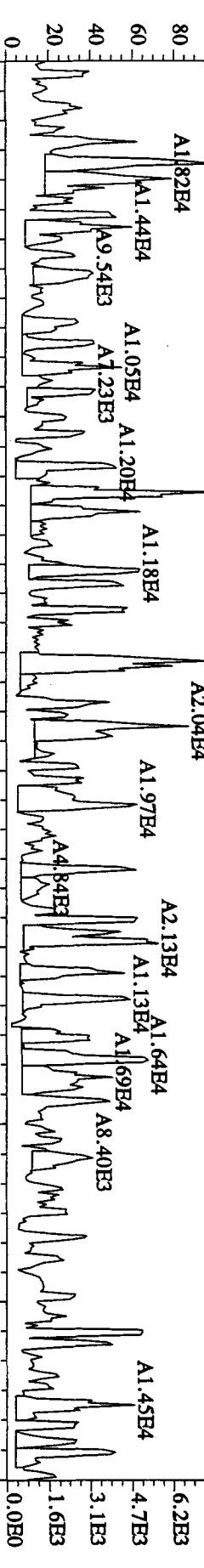
File:04MY105D2 #1-1242 Acq: 4-MAY-2010 10:53:53 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0504 :Solvent Blank C-14 Exp:DB225RBS
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.3384,0.1,0.00%,F,T)
 100 %



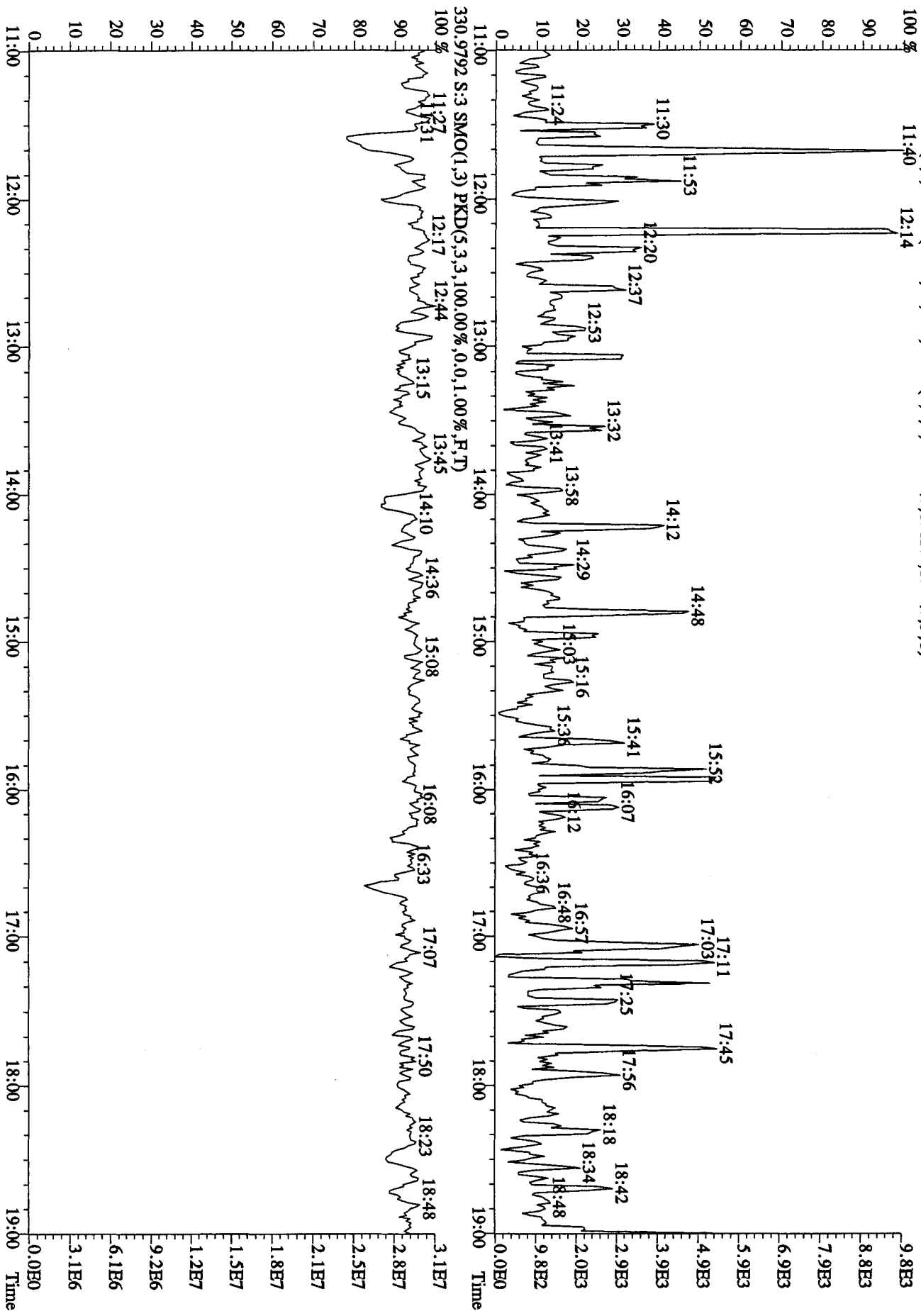
File:04MYY105D2 #1-1242 Acq: 4-MAY-2010 10:53:53 GC EI+ Voltage SIR 70SE

Sample#3 Text:SB0504 :Solvent Blank C-14 Exp:DB225RES

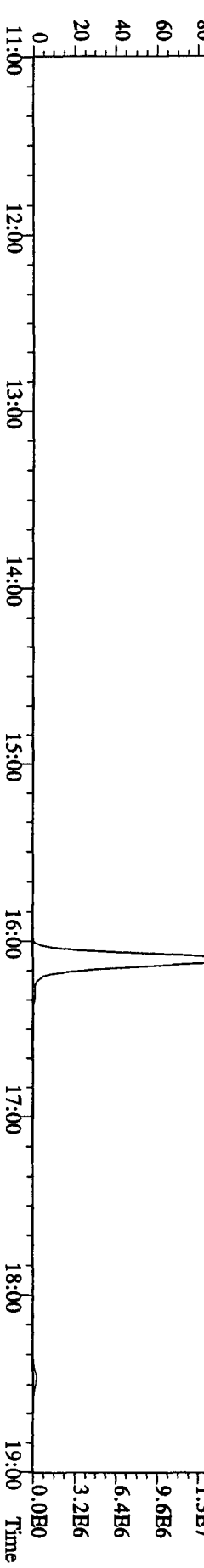
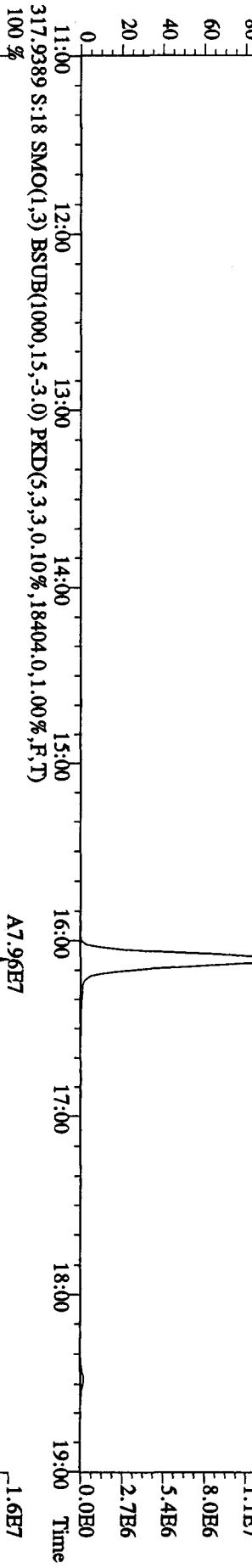
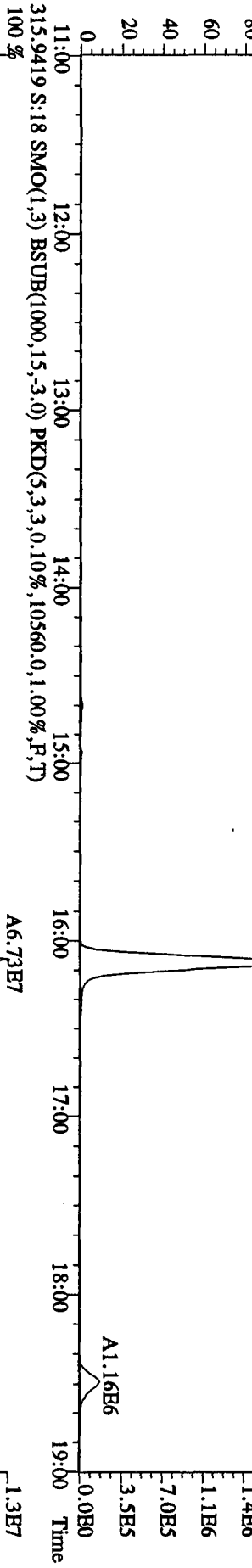
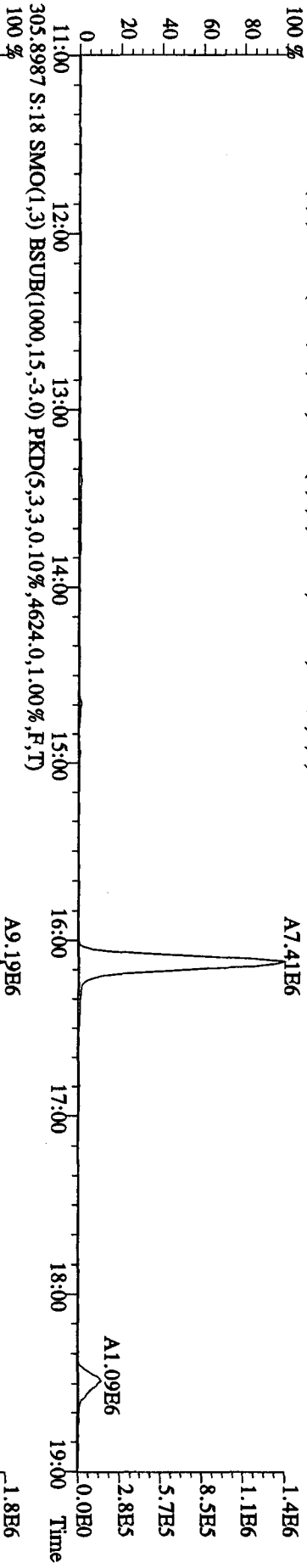
327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1528.0,1.00%,F,T)



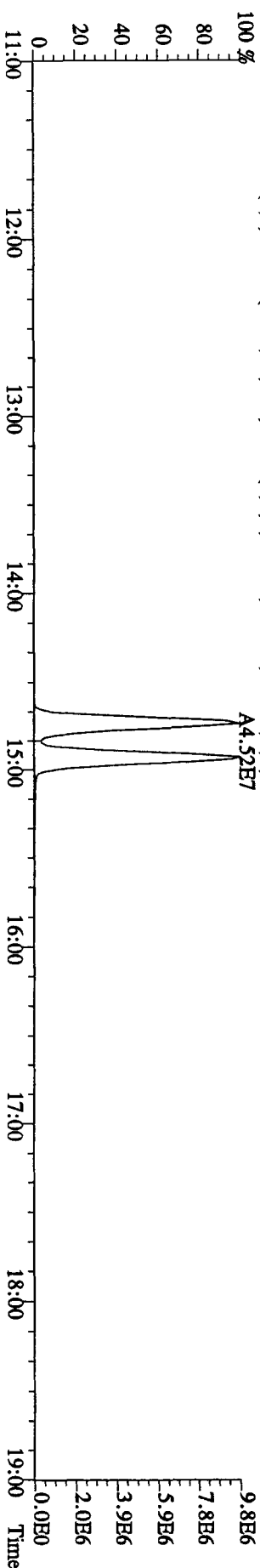
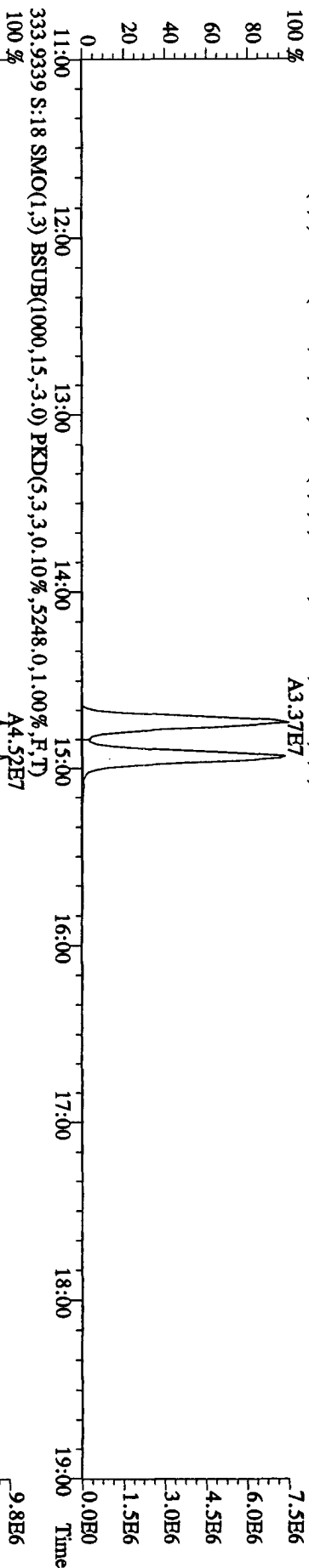
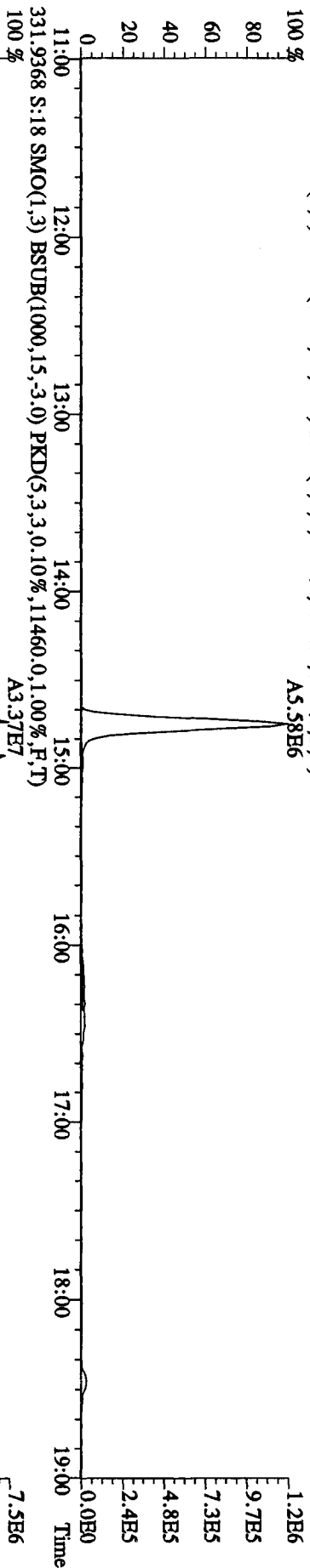
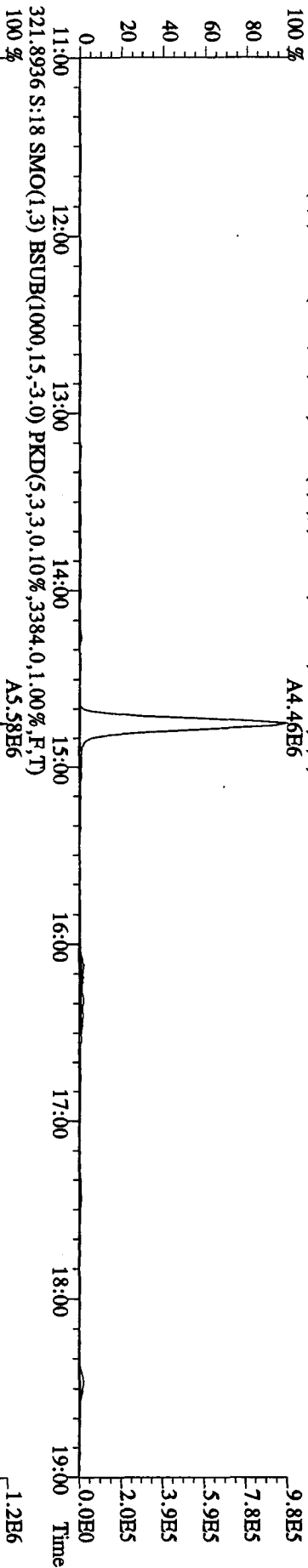
File:04MYY105D2 #1-1242 Acq: 4-MAY-2010 10:53:53 GC FI+ Voltage SIR 70SE
 Sample#3 Text:SB0504 :Solvent Blank C-14 Exp:DB225RES
 375.8364 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1312.0,1.00%,F,T)



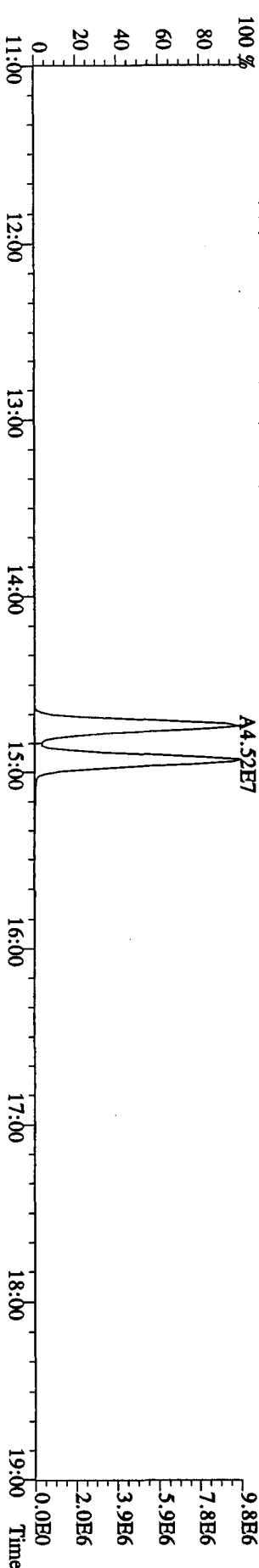
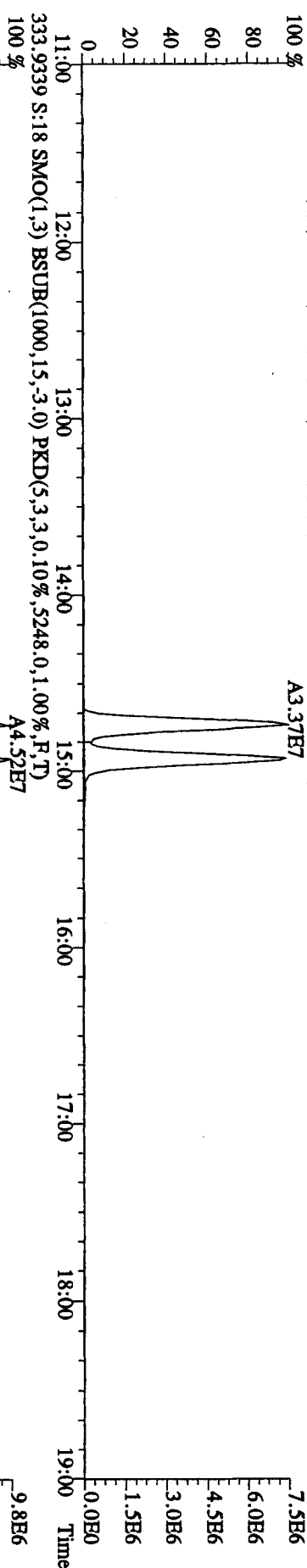
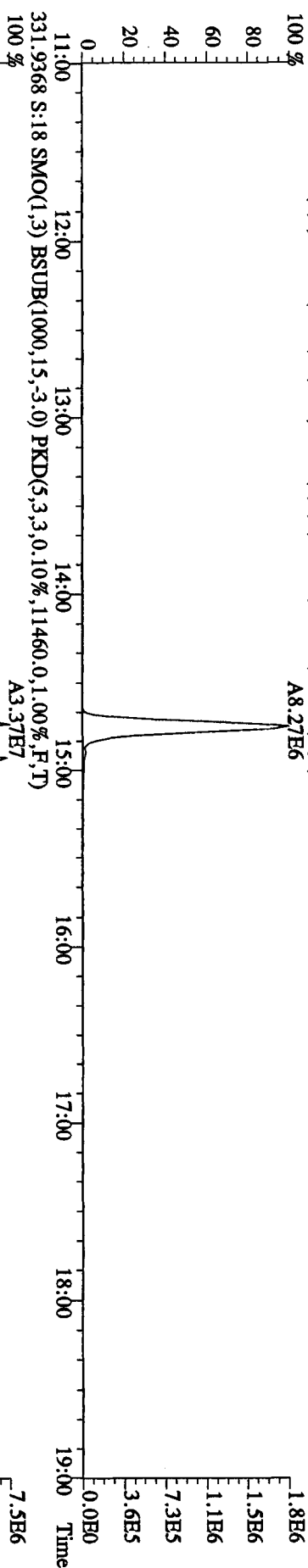
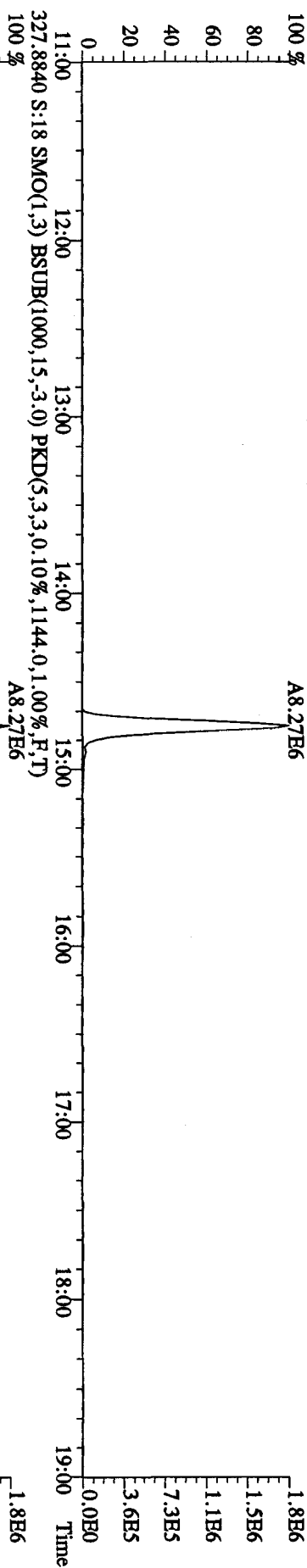
File: 04MAY105D2 #1-1242 Acq: 4-MAY-2010 20:10:09 GC EI+ Voltage SIR 70SE
 Sample#18 Text: ST0504A :CS3 10DXN111 Exp: DB225RES
 303,9016 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,4580,0,1,00%,F,T)



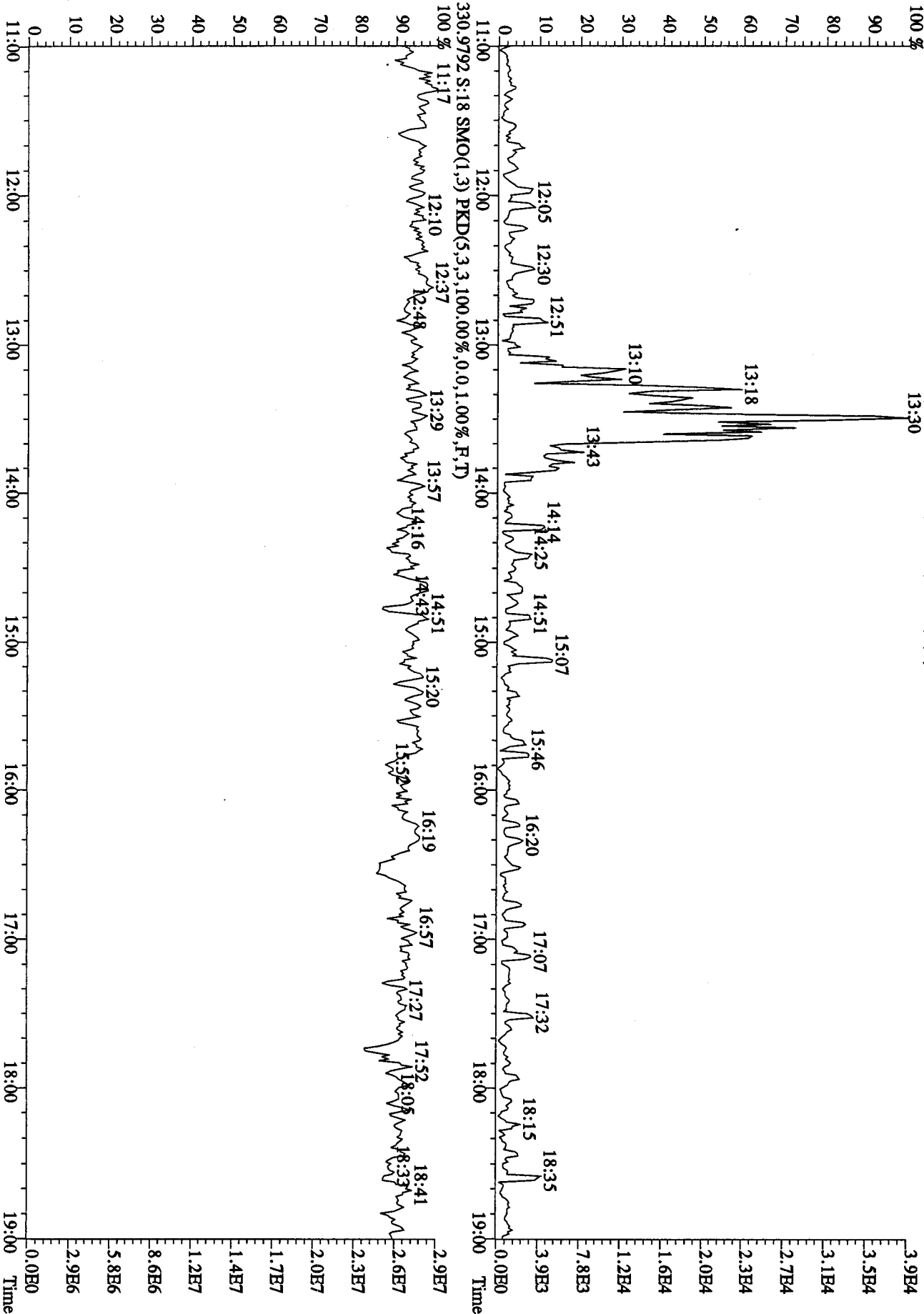
File:04MAY10SD2 #1-1242 Acq: 4-MAY-2010 20:10:09 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0504A :CS3 10DXN111 Exp:DB25RES
319.8965 S:18 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2608,0,1,00%,F,T)
100% A4.46E6



File:04MAY105D2 #1-1242 Acq: 4-MAY-2010 20:10:09 GC EI+ Voltage SIR 70SE
Sample#18 Text:ST0504A :CS3 10DXN111 Exp:DB25RES
327.8840 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1144,0,1.00%,F,T)
100% A8.27E6



File:04MYY105ID2 #1-1242 Acq: 4-MAY-2010 20:10:09 GC EI+ Voltage SIR 70SE
 Sample#18 Text:ST0504A :CS3 10DXN111 Exp:DR225RES
 375.8364 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,100.00%,1220.0,1.00%,F,T)



Daily Calibration Checklist Dioxin Methods

Method ID DB225 (8290)

Associated ICAL DB225042110SD2

Column ID DB225

Instrument ID 502

STD ID ST0501A, ST0501B

STD Solution 10DYN111

Analyzed by AM, MED

Date Analyzed 5/1/10, 5/2/10

Std. Pkg. By MSW

Date Std. Pkg. Assembled 5/3/10

Std. Pkg. Reviewed By AK

Date Std. Pkg. Reviewed 5/3/10

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: ST0501A File text: ST0501A :CS3 10DXN111
Run #6 Filename 01MY10A5D2 S: 1 I: 1
Acquired: 1-MAY-10 19:38:46 Processed: 3-MAY-10 09:35:13
Run: 01MY10A5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 01MY10A5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	81642500	0.77 y	15:02	-	100.00	-	n
13C-2,3,7,8-TCDF	148537400	0.82 y	16:13	1.82	100.00	-13.6	n
2,3,7,8-TCDF	16011660	0.86 y	16:14	1.08	10.00	-1.0	n
13C-2,3,7,8-TCDD	77113500	0.78 y	14:50	0.94	100.00	-0.4	n
2,3,7,8-TCDD	10683800	0.82 y	14:51	1.39	10.00	2.1	n
37Cl-2,3,7,8-TCDD	18482680	1.00 y	14:51	2.26	10.00	-0.6	n

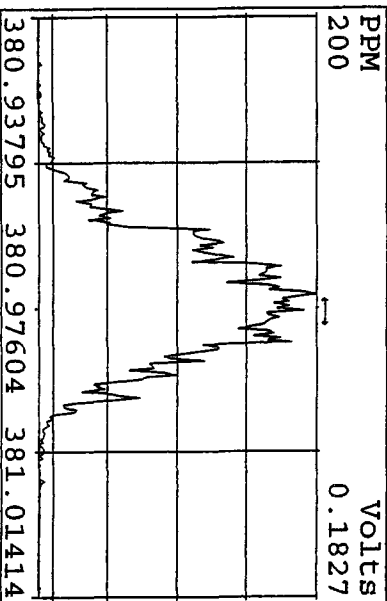
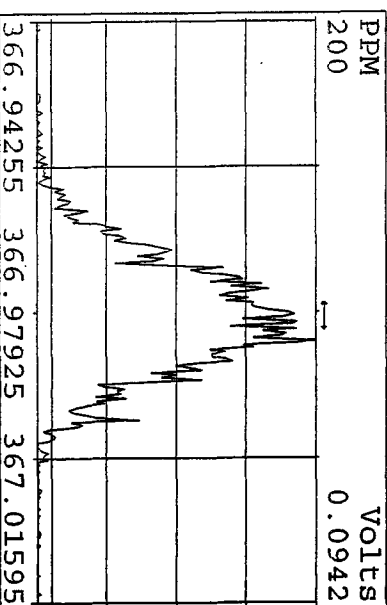
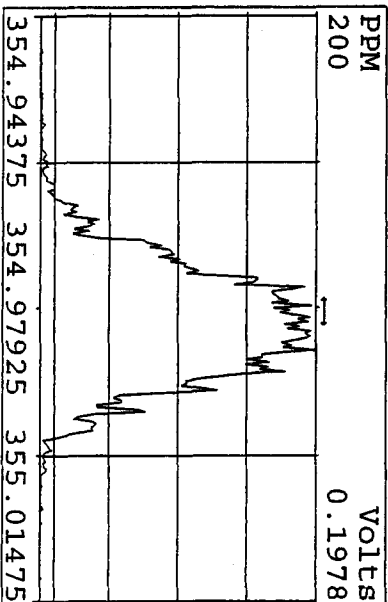
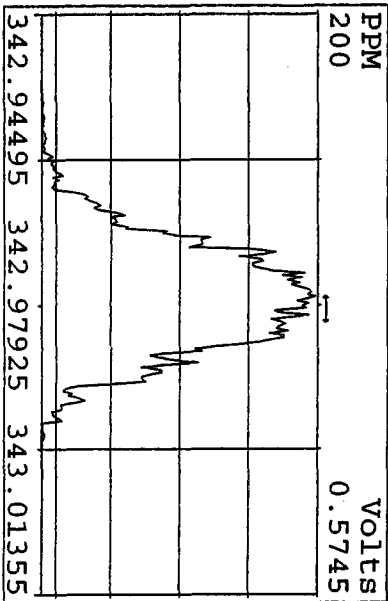
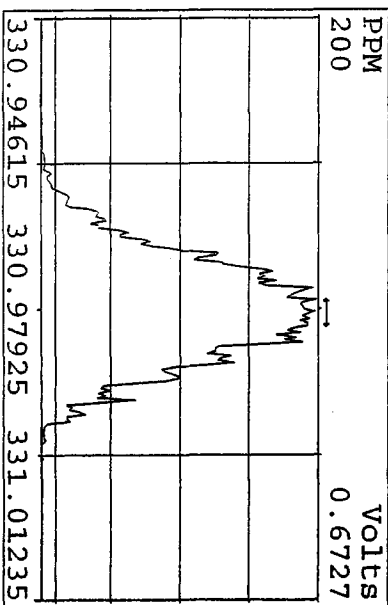
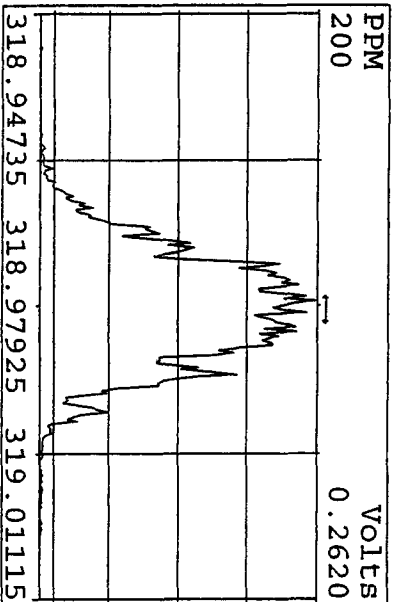
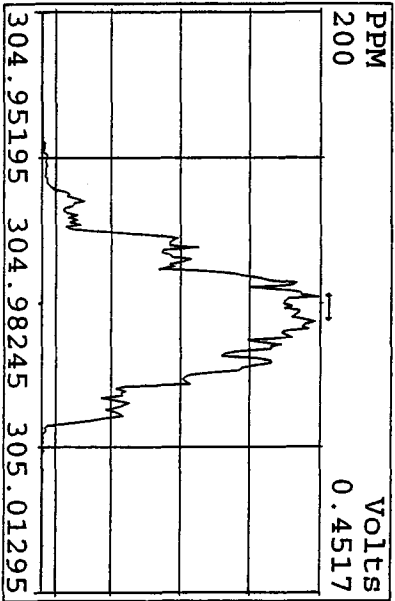
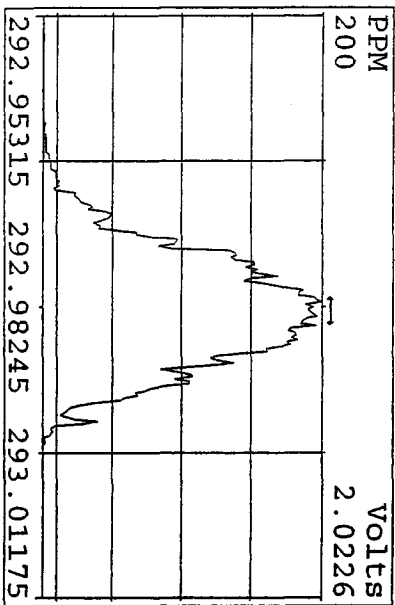
Run text: ST0501B File text: ST0501B :CS3 10DXN111
Run #22 Filename 01MY10A5D2 S: 20 I: 1
Acquired: 2-MAY-10 07:23:29 Processed: 3-MAY-10 09:39:06
Run: 01MY10A5D2 Analyte: DB225 Cal: DB2250421105D2 Results: 01MY10A5D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	67989200	0.78 y	14:54	-	100.00	-	n
13C-2,3,7,8-TCDF	130846400	0.81 y	16:05	1.92	100.00	-8.6	n
2,3,7,8-TCDF	14639670	0.83 y	16:06	1.12	10.00	2.8	n
13C-2,3,7,8-TCDD	65703800	0.76 y	14:43	0.97	100.00	1.9	n
2,3,7,8-TCDD	9330150	0.83 y	14:44	1.42	10.00	4.6	n
37C1-2,3,7,8-TCDD	15726460	1.00 y	14:44	2.31	10.00	1.5	n

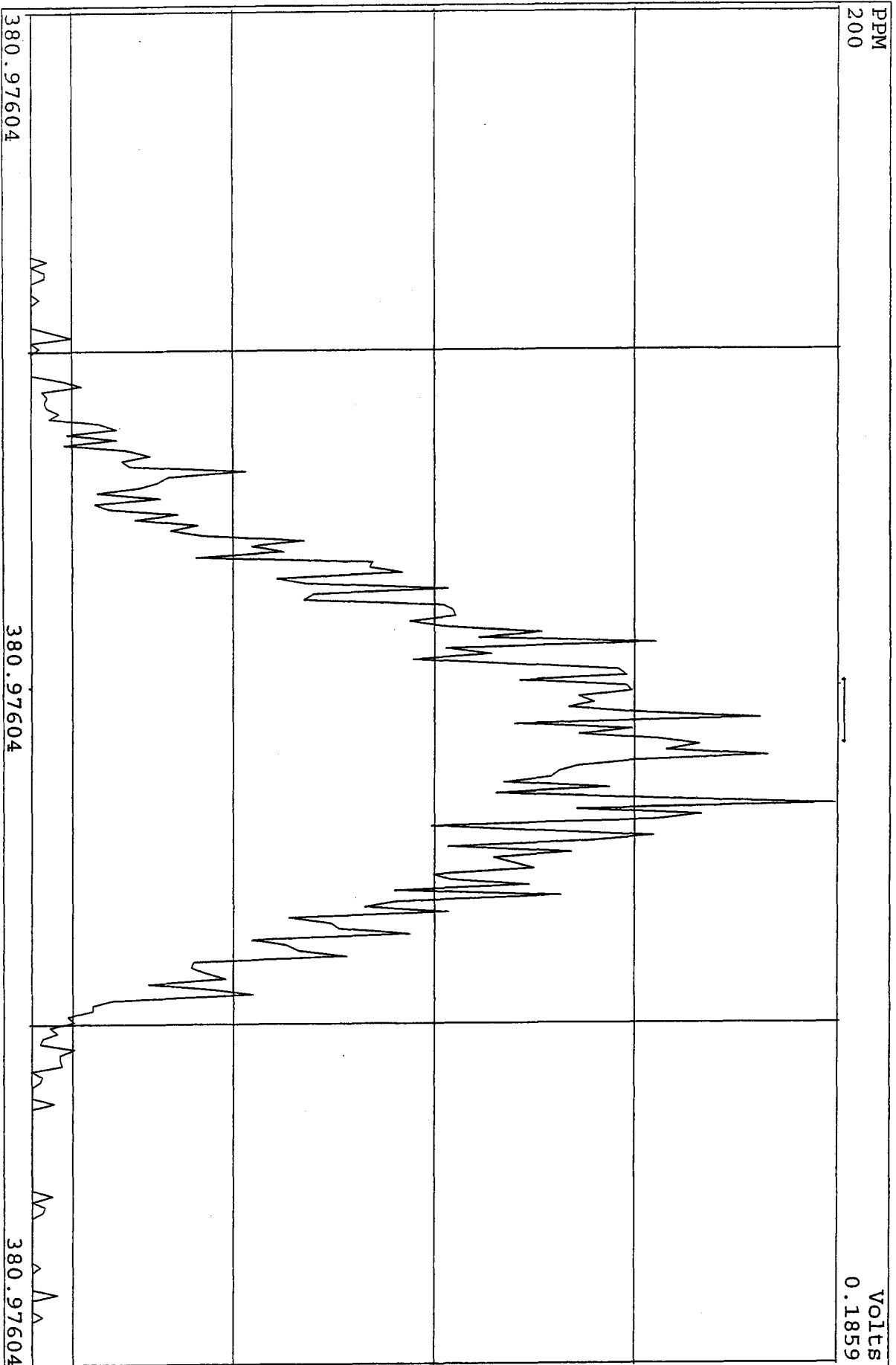
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
01MY10A5D2	1	ST0501A	CS3 10DXN111				1.000	
01MY10A5D2	2	CP0501A	DB-225 CPSM 3732-06				1.000	
01MY10A5D2	3	SB0501A	Solvent Blank C-14				1.000	
01MY10A5D2	4	LXR84-1-AE	G0D100461-26	10	8290/SOLID	73	10.030 g	
01MY10A5D2	5	LX3AJ-1-AD	G0D160435-11	10	8290/SOLID	80	10.700 g	
01MY10A5D2	6	LX1HH-1-AD	G0D150462-7	10	8290/SOLID	75	10.950 g	
01MY10A5D2	7	LX1HK-1-AD	G0D150462-9	10	8290/SOLID		10.840 g	
01MY10A5D2	8	LX1HD-1-AD	G0D150462-5 (20X)	10	8290/SOLID		10.360 g	
01MY10A5D2	9	LX538-1-AC	G0D170496-1	20	8290/SOLID	80	10.770 g	
01MY10A5D2	10	LX1HN-1-AD	G0D150462-11	10	8290/SOLID	77	10.810 g	
01MY10A5D2	11	LX3AN-1-AC	G0D160435-15	10	8290/SOLID	79	10.000 g	
01MY10A5D2	12	LX48E-1-AA	G0D160614-1	20	8290/SOLID	80	10.410 g	
01MY10A5D2	13	LX48F-1-AA	G0D160614-2	20	8290/SOLID		10.350 g	
01MY10A5D2	14	LX48G-1-AA	G0D160614-3	20	8290/SOLID		10.010 g	
01MY10A5D2	15	LX48H-1-AA	G0D160614-4	20	8290/SOLID		10.140 g	
01MY10A5D2	16	LX0PR-1-AE	G0D140543-10	10	8290/SOLID	77	10.050 g	
01MY10A5D2	17	LX0PR-1-AF	G0D140543-10S	10	8290/SOLID		10.020 g	
01MY10A5D2	18	LX0PR-1-AG	G0D140543-10D	10	8290/SOLID		10.120 g	
01MY10A5D2	19	SB0501B	Solvent Blank C-14				1.000	
01MY10A5D2	20	ST0501B	CS3 10DXN111				1.000	
01MY10A5D2	21	CP0501B	DB-225 CPSM 3732-06				1.000	
01MY10A5D2	22	SB0501C	Solvent Blank C-14				1.000	
01MY10A5D2	23	LX295-1-AD	G0D160435-1	10	8290/SOLID	77	10.490 g	
01MY10A5D2	24	LX299-1-AD	G0D160435-3	10	8290/SOLID		10.020 g	
01MY10A5D2	25	LX3AC-1-AD	G0D160435-5	10	8290/SOLID		10.610 g	
01MY10A5D2	26	LX3AG-1-AD	G0D160435-9	10	8290/SOLID		10.100 g	
01MY10A5D2	27	LX3AL-1-AD	G0D160435-13	10	8290/SOLID		10.420 g	
01MY10A5D2	28	LX2G1-1-AD	G0D150589-9	10	8290/SOLID	75	10.240 g	
01MY10A5D2	29	LX2JT-1-AD	G0D150589-36	10	8290/SOLID		10.000 g	
01MY10A5D2	30	LX3AT-1-AC	G0D160435-19 (20X)	10	8290/SOLID	77	10.460 g	
01MY10A5D2	31	LX0LQ-1-AC	G0D140526-1 (40X)	10	8290/SOLID		10.560 g	
01MY10A5D2	32	LX0LQ-1-AD	G0D140526-1S (40X)	10	8290/SOLID		10.250 g	
01MY10A5D2	33	LX0LQ-1-AE	G0D140526-1D (40X)	10	8290/SOLID		10.650 g	
01MY10A5D2	34	SB0501D	Solvent Blank C-14				1.000	
01MY10A5D2	35	SB0501E	Solvent Blank C-14				1.000	
01MY10A5D2	36	ST0501C	CS3 10DXN111				1.000	
01MY10A5D2	37						1.000	
01MY10A5D2	38						1.000	
01MY10A5D2	39						1.000	
01MY10A5D2	40						1.000	
01MY10A5D2	41		AM, MEO 05-01-10				1.000	
01MY10A5D2	42						1.000	

*log file v13
5/2/10
LS*

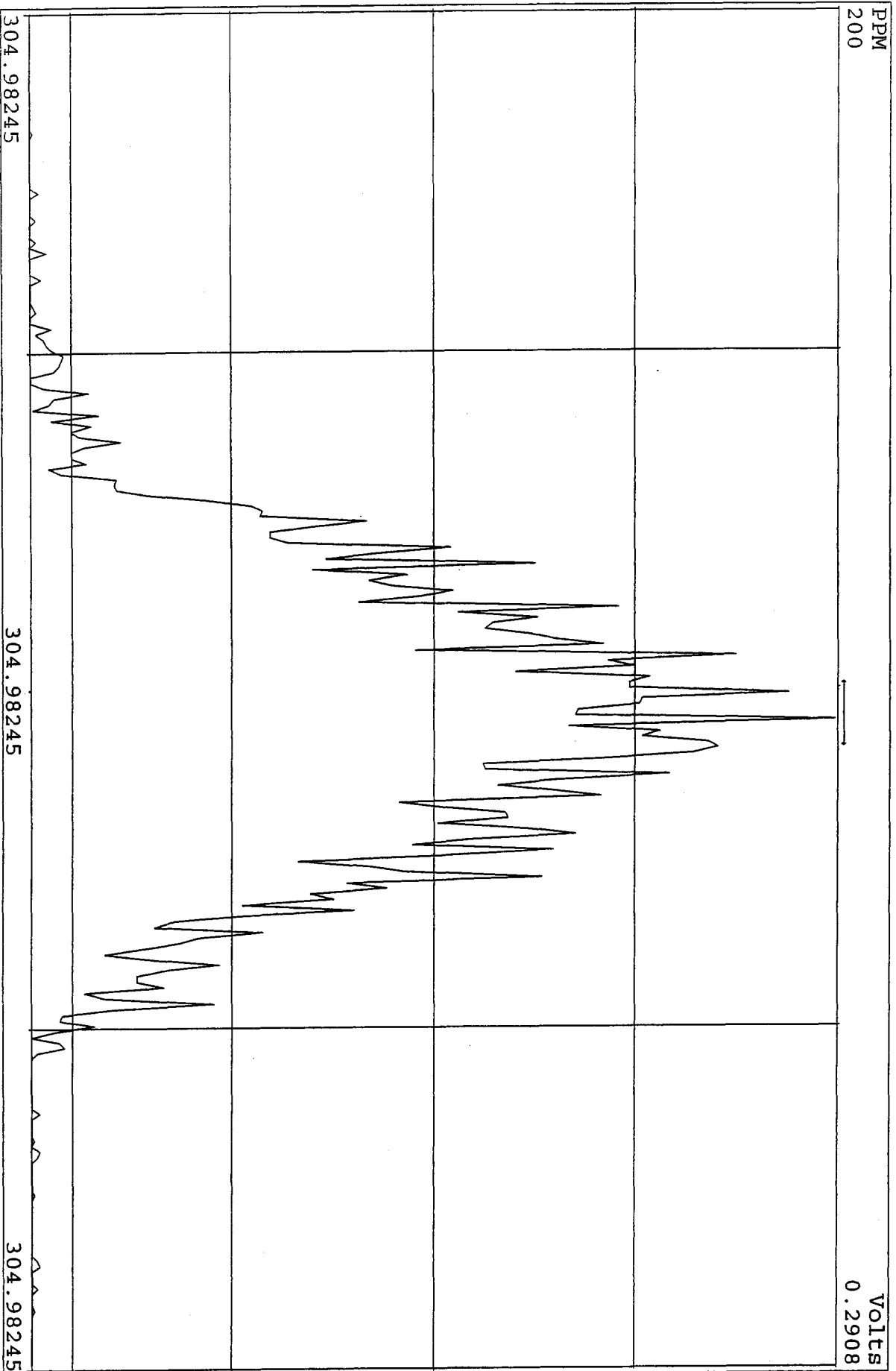
Peak Locate Examination: 1-MAY-2010:19:35 File:01MY10A5D2
 Experiment:DB225RES Function:1 Reference:PFK



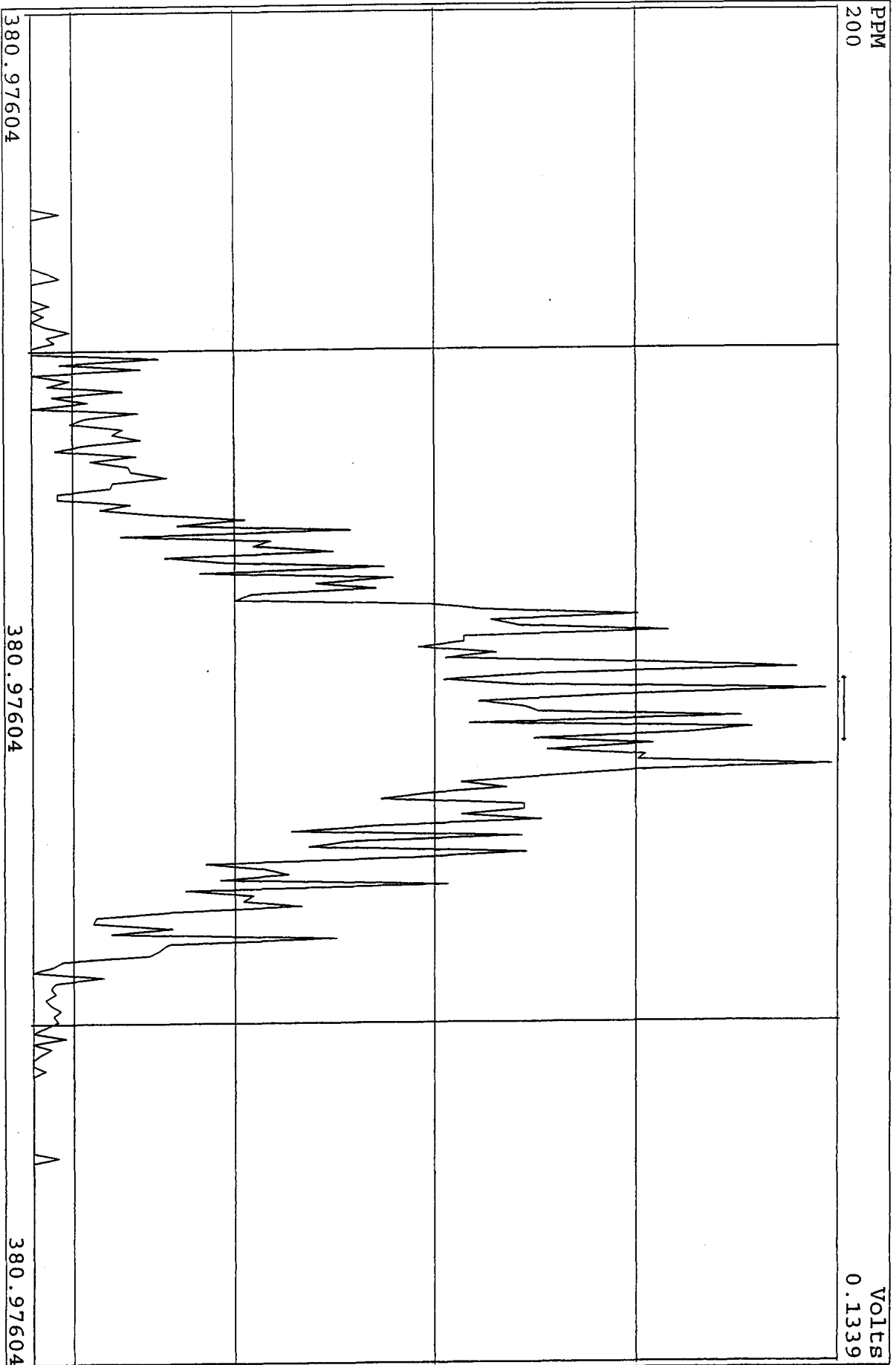
SIRLM Examination: 1-MAY-2010:23:09 File: 01MY10A5D2
Experiment: DB225RES Function: 2



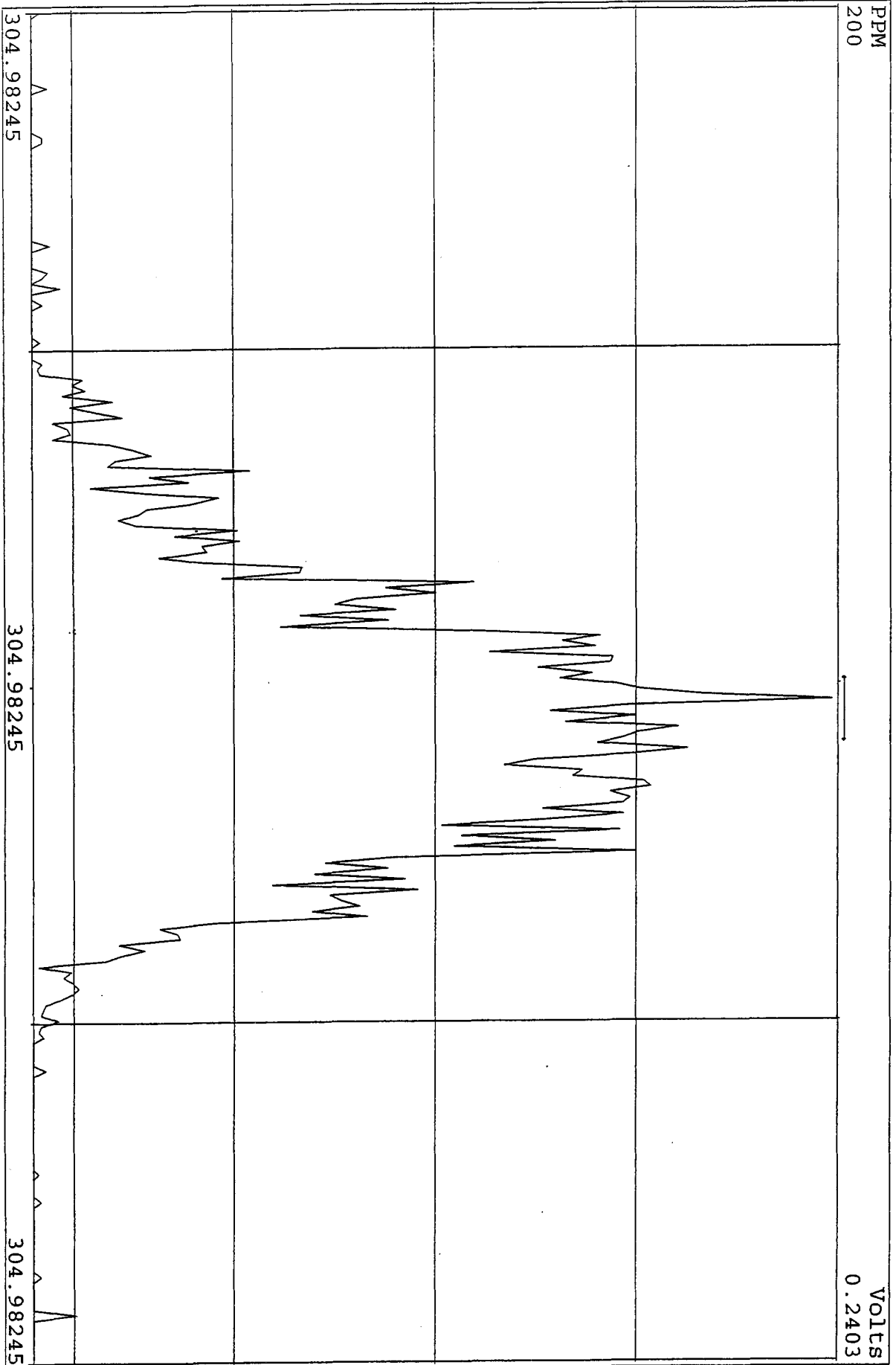
SIRIM Examination: 1-MAY-2010:23:11 File:01MY10A5D2
Experiment:DB225RES Function:3



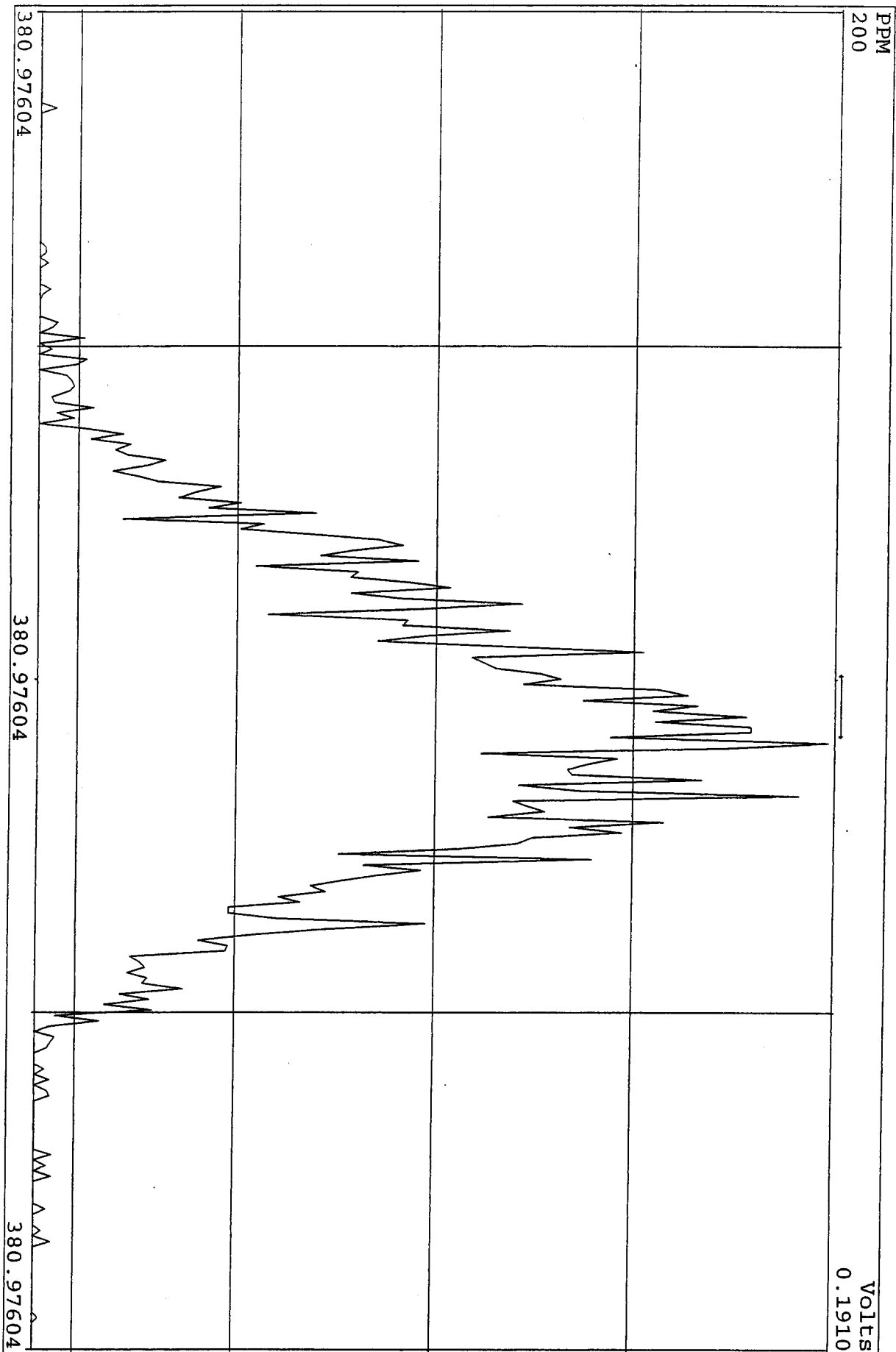
SIRLM Examination: 2-MAY-2010:07:48 File:01MY10A5D2
Experiment:DB225RES Function:2



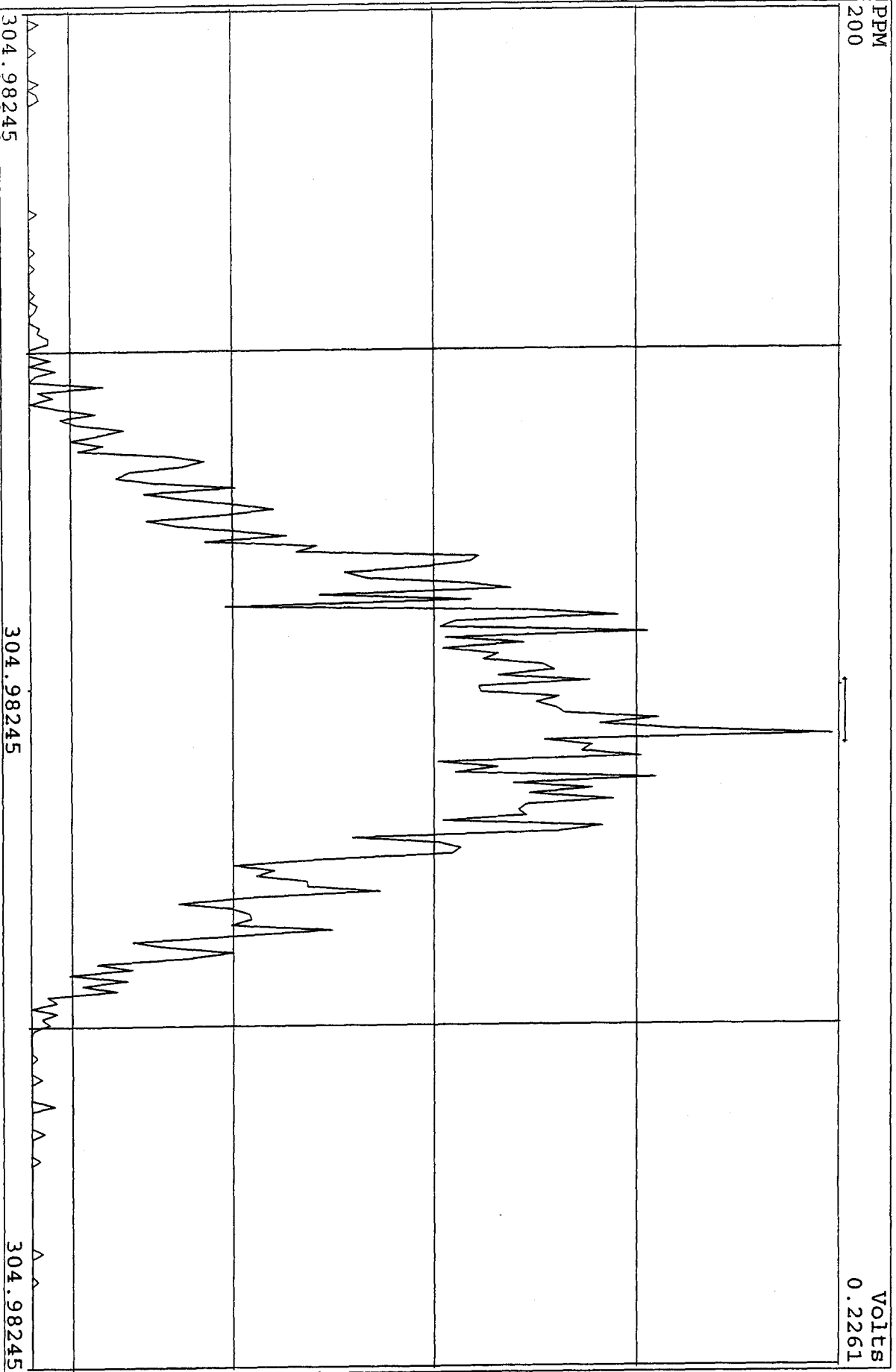
SIRIM Examination: 2-MAY-2010:07:50 File:01MY10A5D2
Experiment:DB225RES Function:3



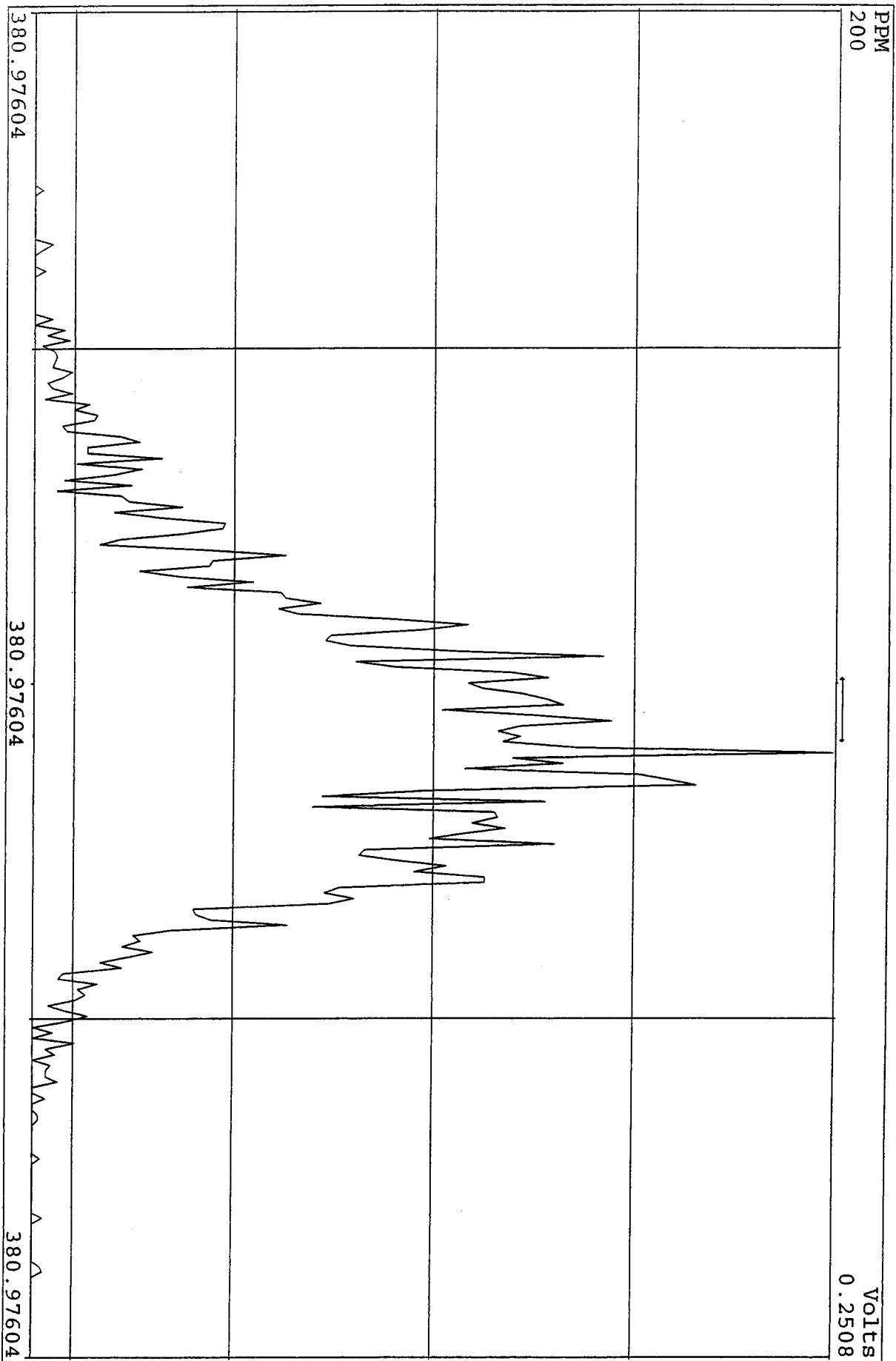
SIRLM Examination: 2-MAY-2010:11:31 File: 01MY10A5D2
Experiment: DB225RES Function: 2



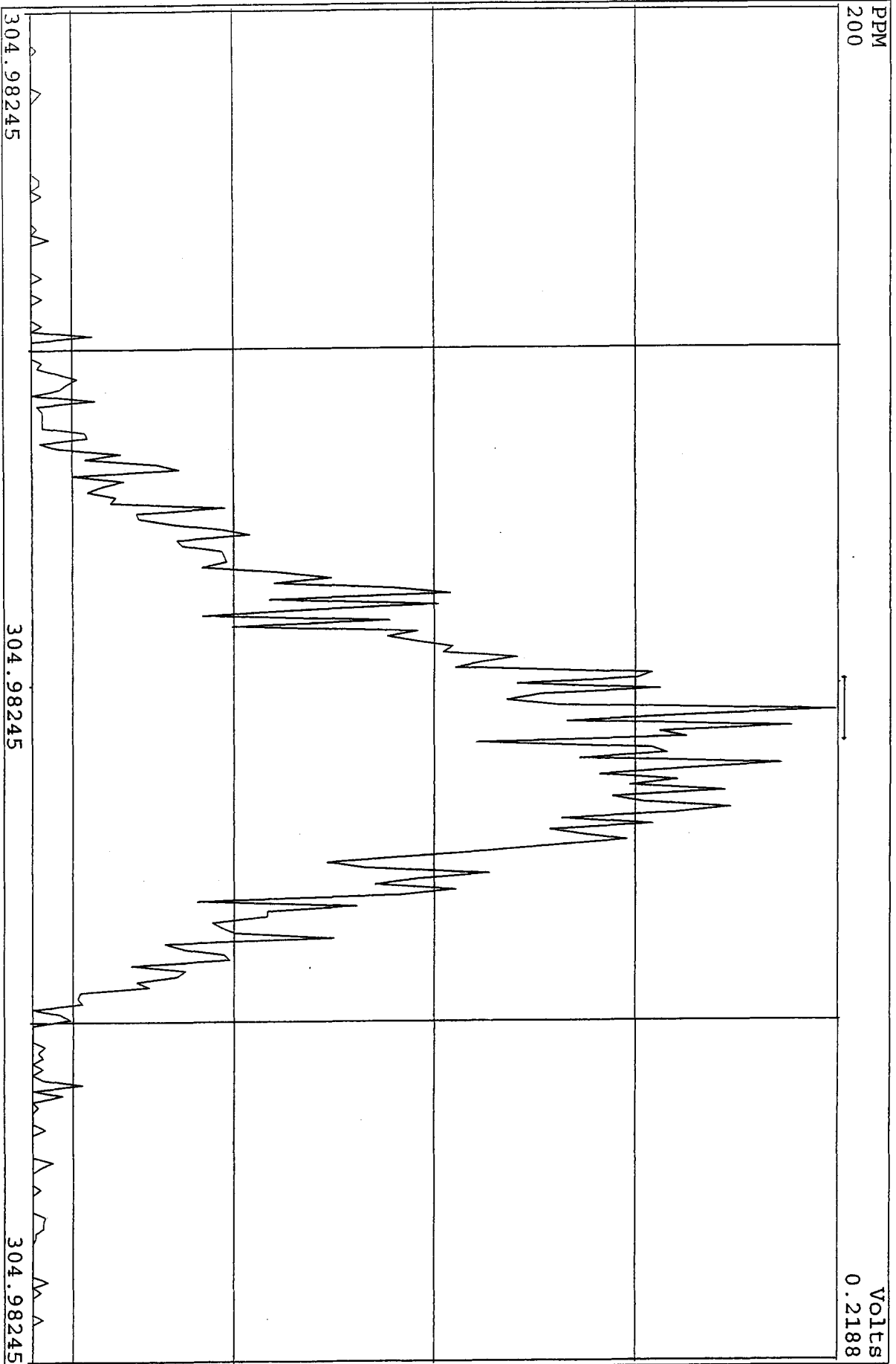
SIRLM Examination: 2-MAY-2010:11:33 File:01MY10A5D2
Experiment:DB225RES Function:3



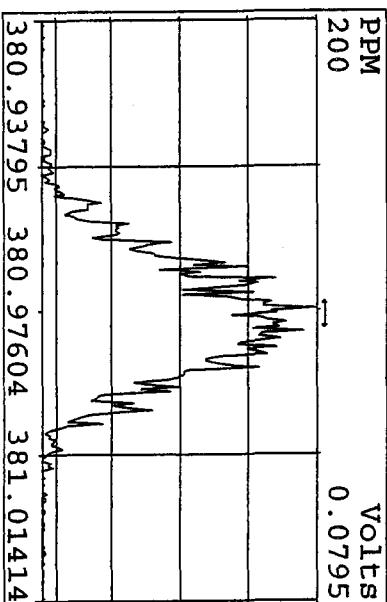
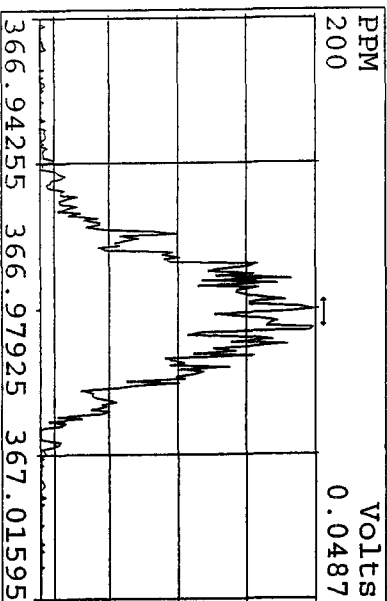
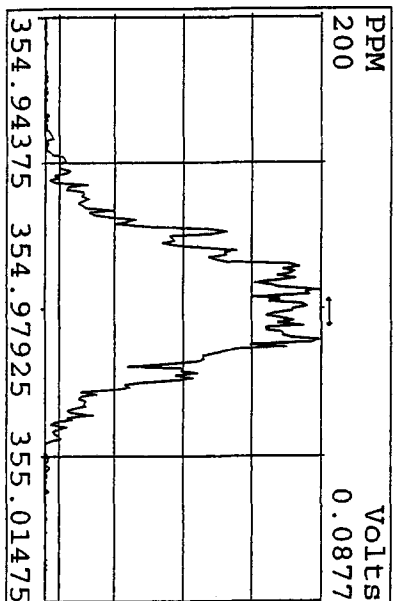
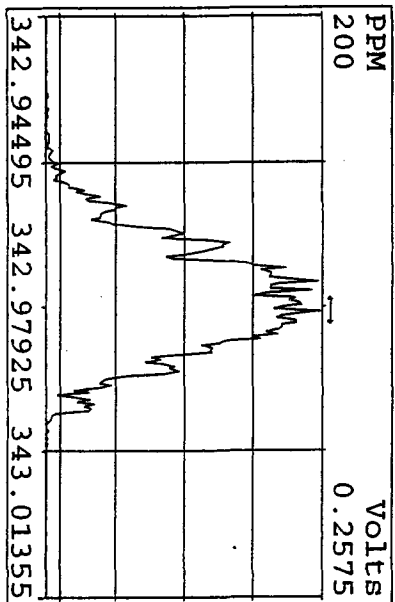
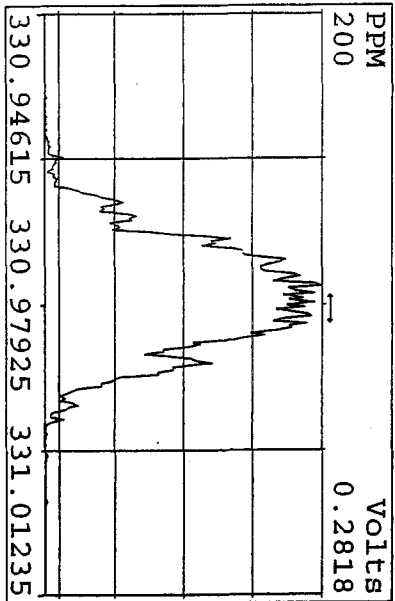
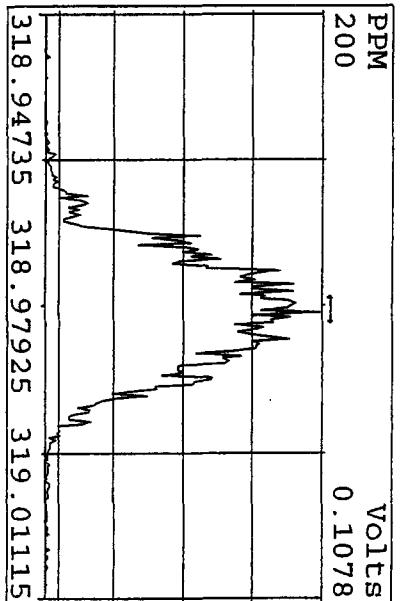
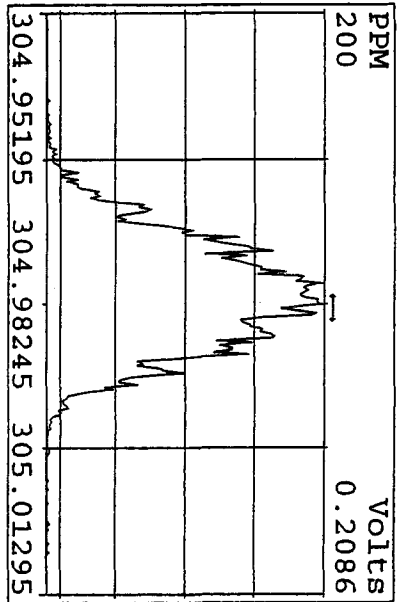
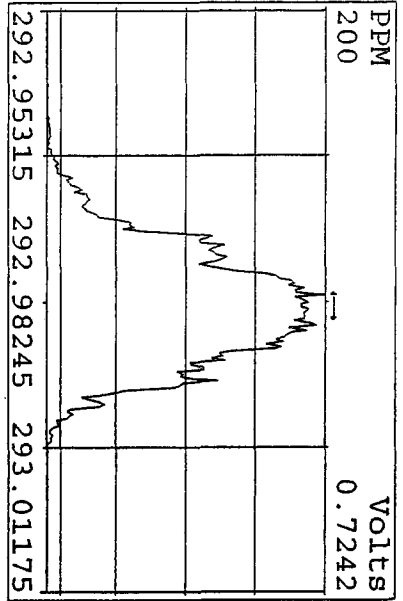
SIRLM Examination: 2-MAY-2010:17:05 File:01MY10A5D2
Experiment:DB225RES Function:2



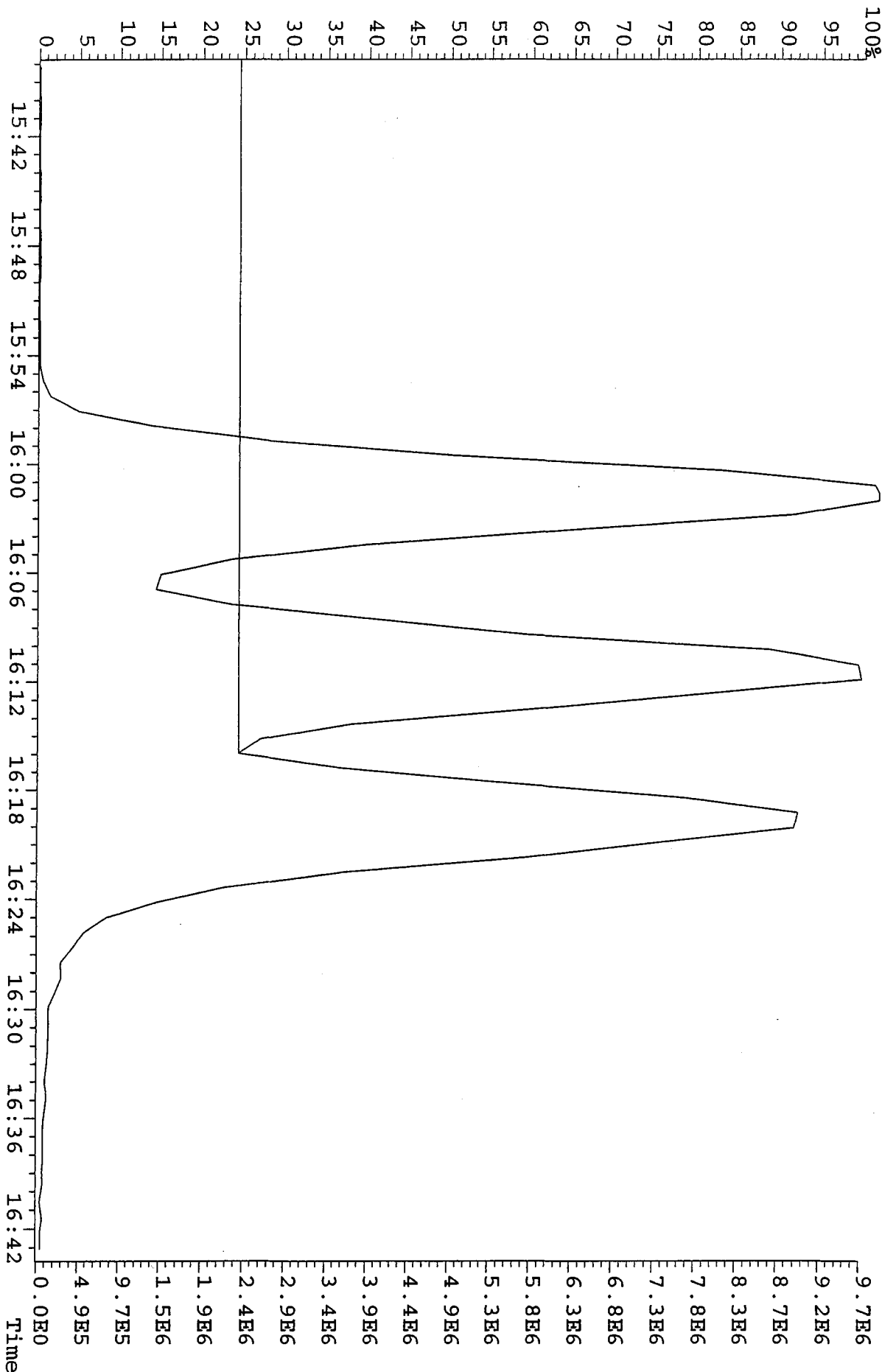
SIRIM Examination: 2-MAY-2010:17:07 File:01MY10A5D2
Experiment:DB225RES Function:3



Peak Locate Examination: 2-MAY-2010:21:09 File:01MY10A5D2ENDRRES
 Experiment:DB225RES Function:1 Reference:PFK



File: 01MY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC EI+ Voltage SIR 70SE
 305.8987 S:2 Exp: DB225RFS
 Sample Text: CP0501A :DB-225 CPSM 3732-06



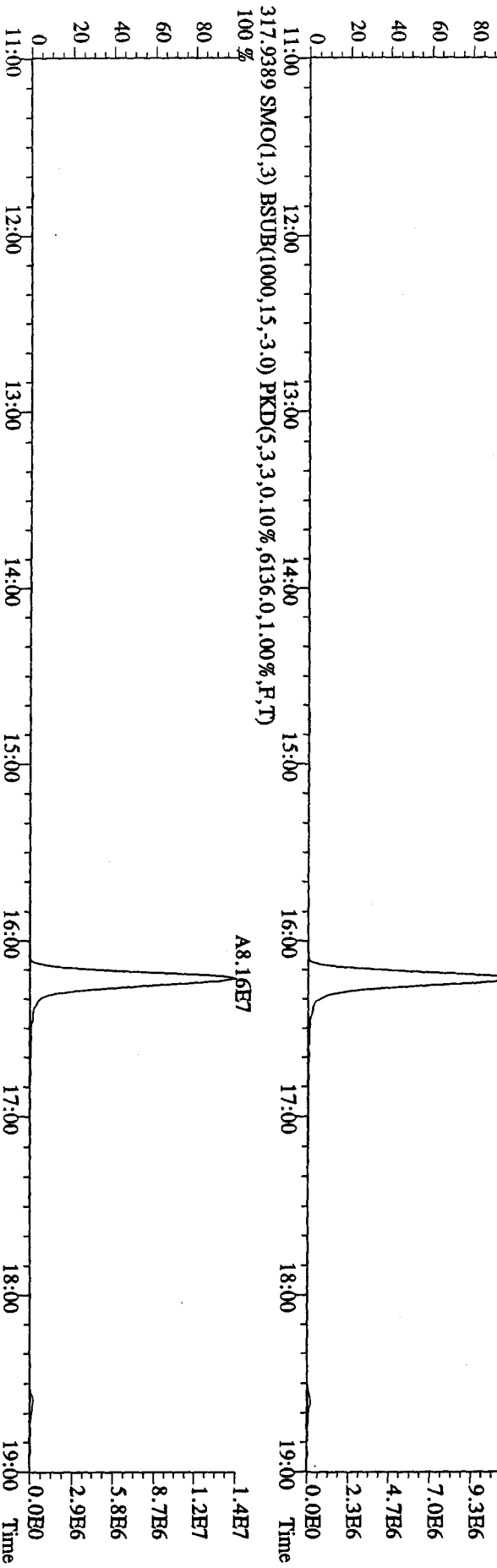
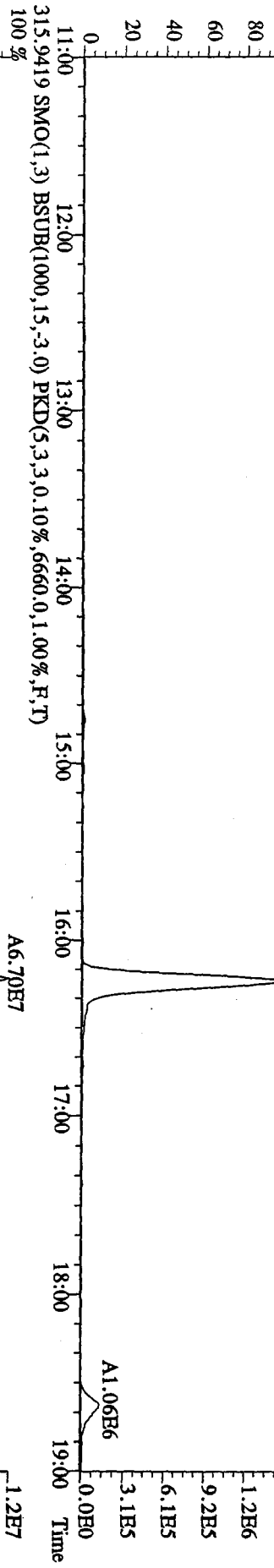
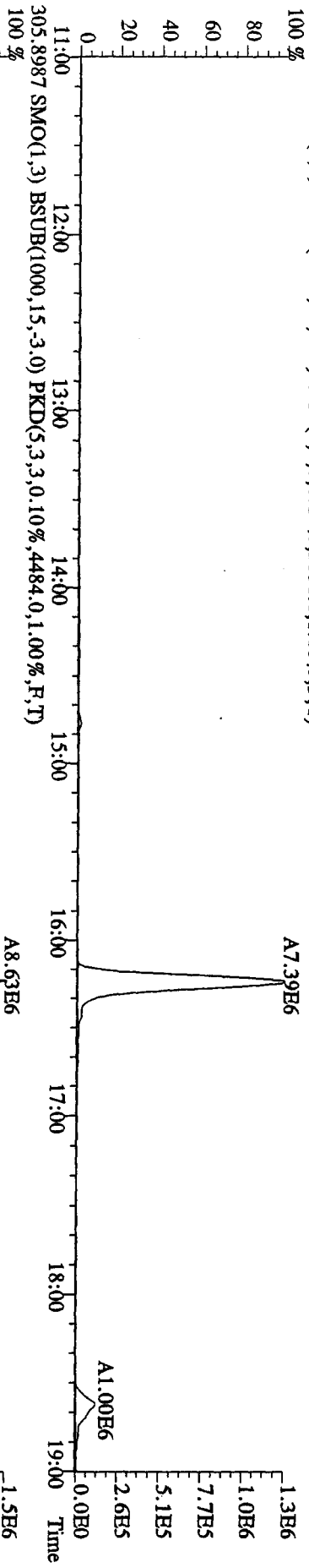
Run: 01MY10A5D2 Analyte: DB225 Cal: DB2250421105D2

ST0421I :CS1 09DXN422 ST0421H :CS2 09DXN423 ST0421G :CS3 10DXN111
 ST0421K :CS4 09DXN426 ST0421J :CS5 09DXN456

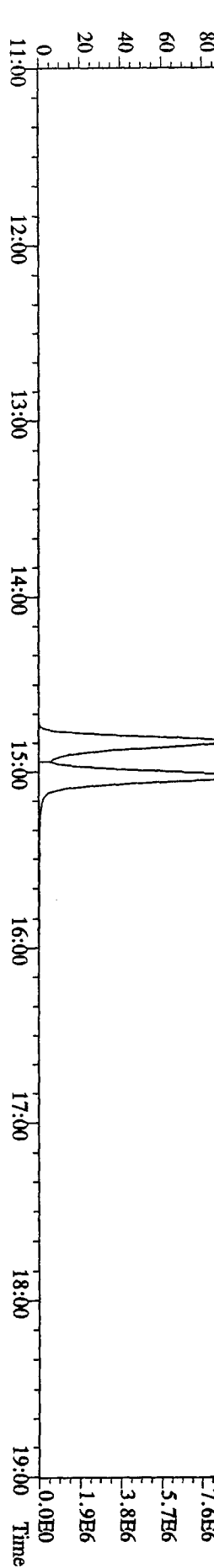
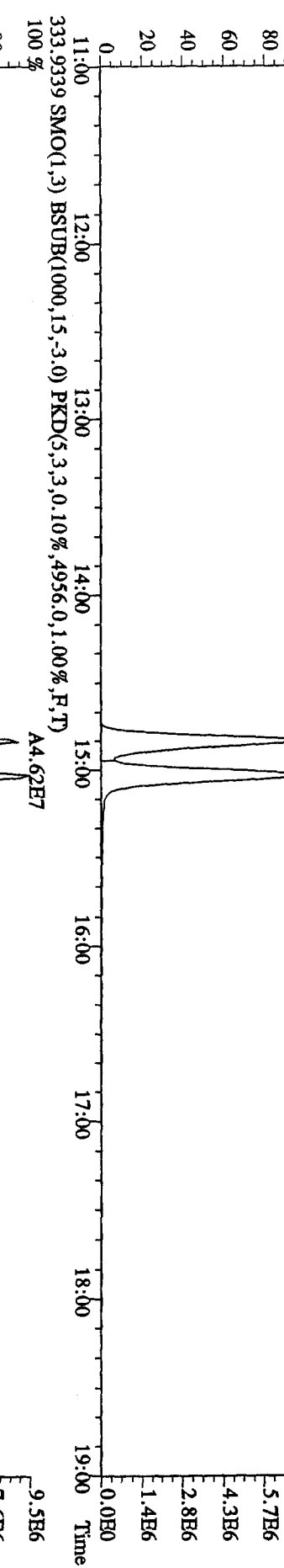
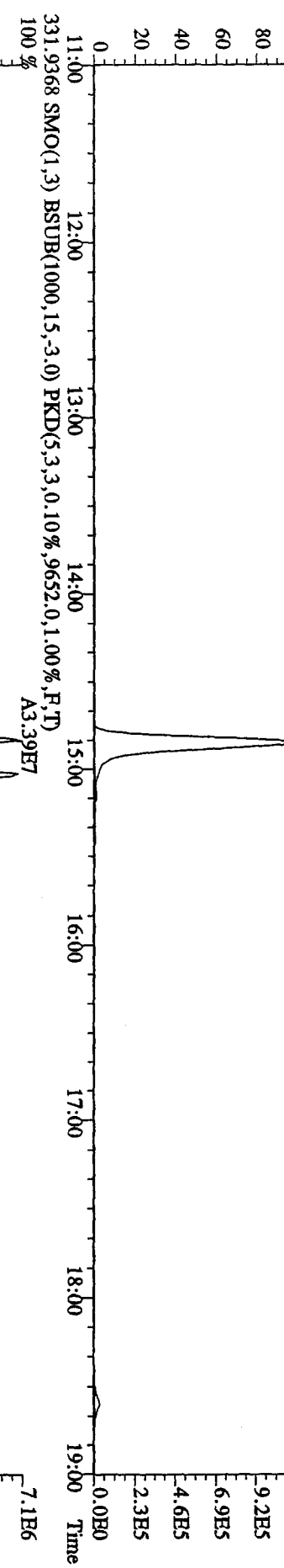
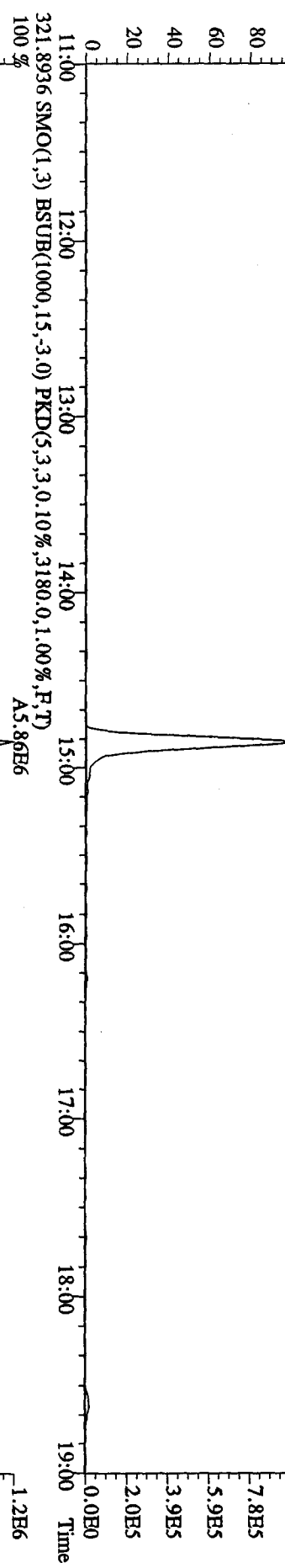
Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

21AP105D2 21AP105D2 21AP105D2 21AP105D2 21AP105D2 21AP105D2

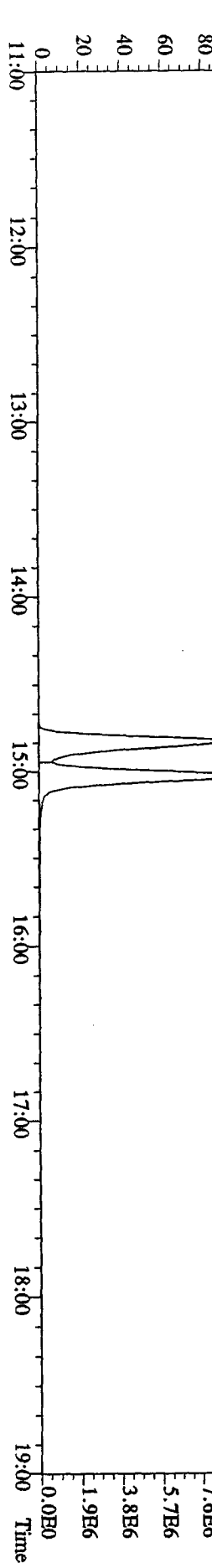
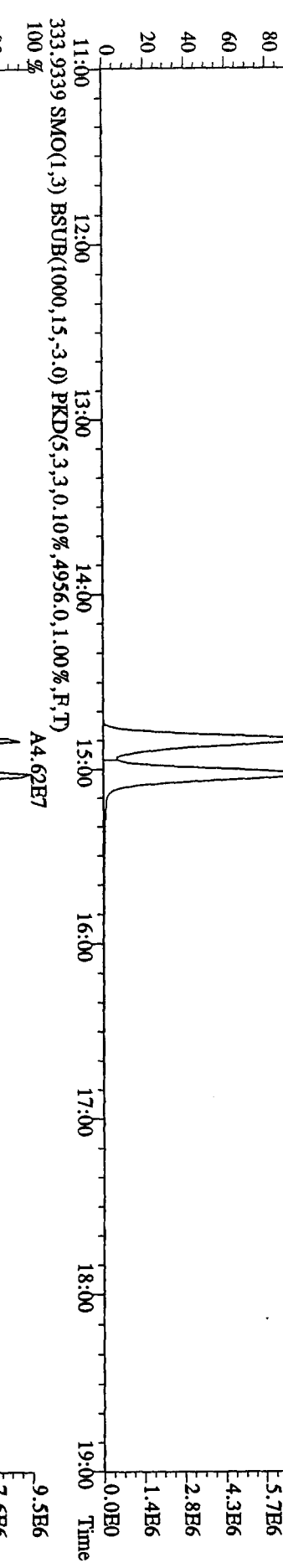
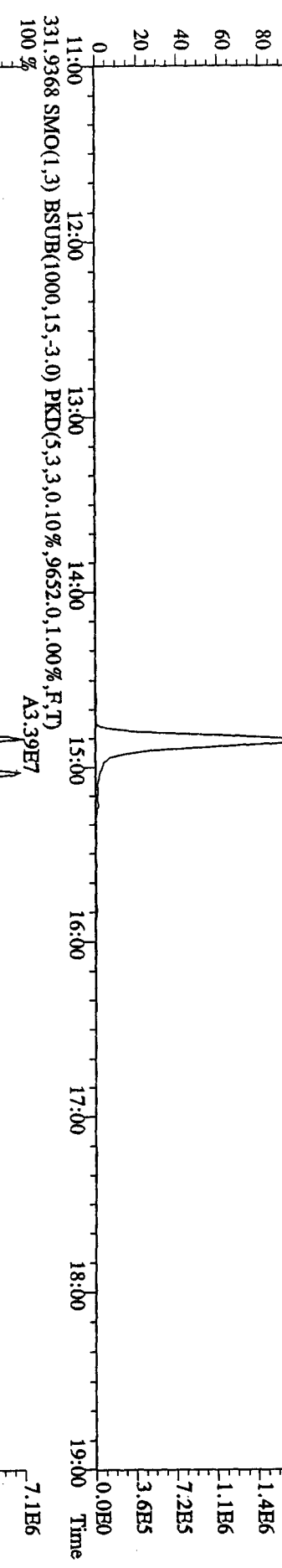
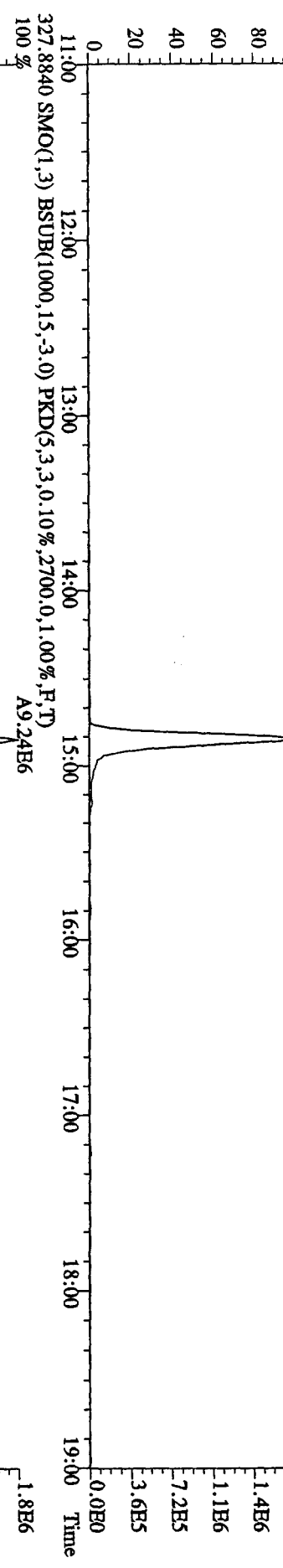
File:01MYY10A5D2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC RI+ Voltage SIR 70SE
 Sample#1 Text:ST0501A :CS3 10DXN111 Exp:DB225RES
 303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3056,0,1.00%,F,T)
 100%



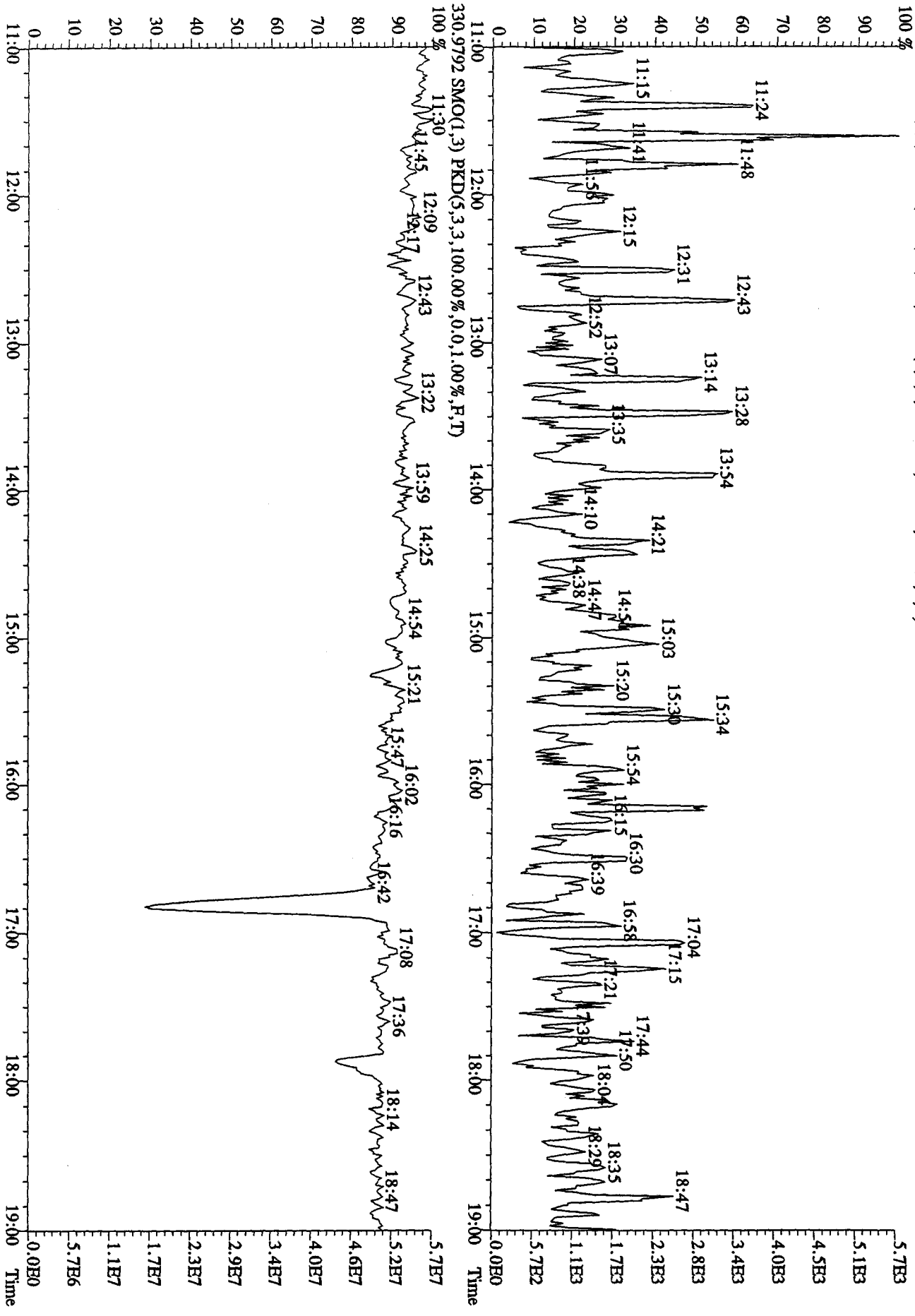
File:01MY10A5D2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC HI + Voltage SIR 70SE
 Sample#1 Text:ST0501A :CS3 10DXN111 Exp:DB225RES
 319.8965 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2356.0,1.00%,F,T)
 100% A4.83B6



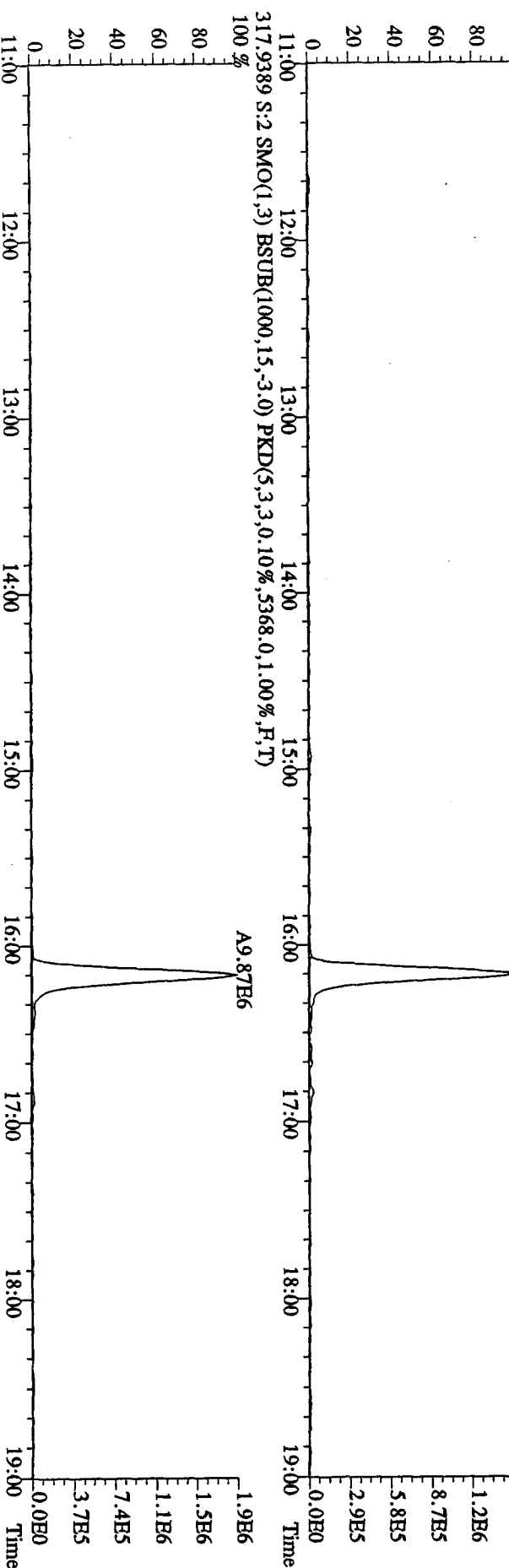
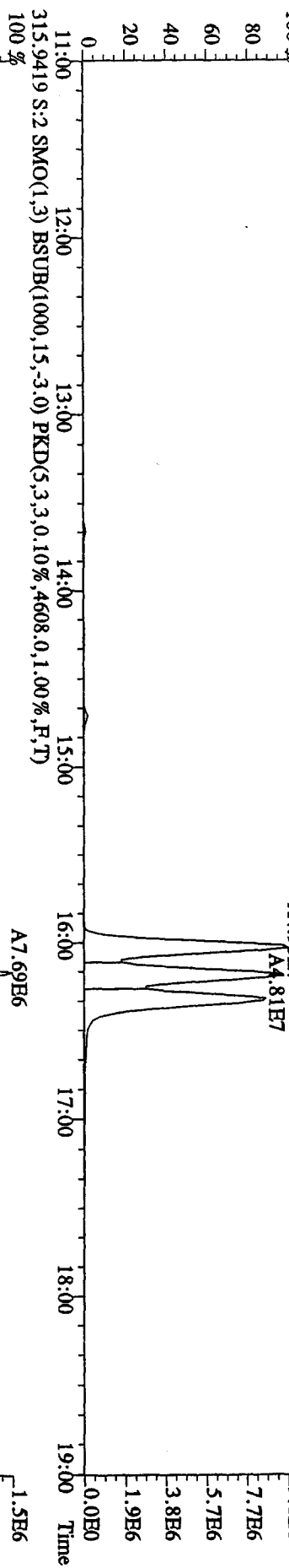
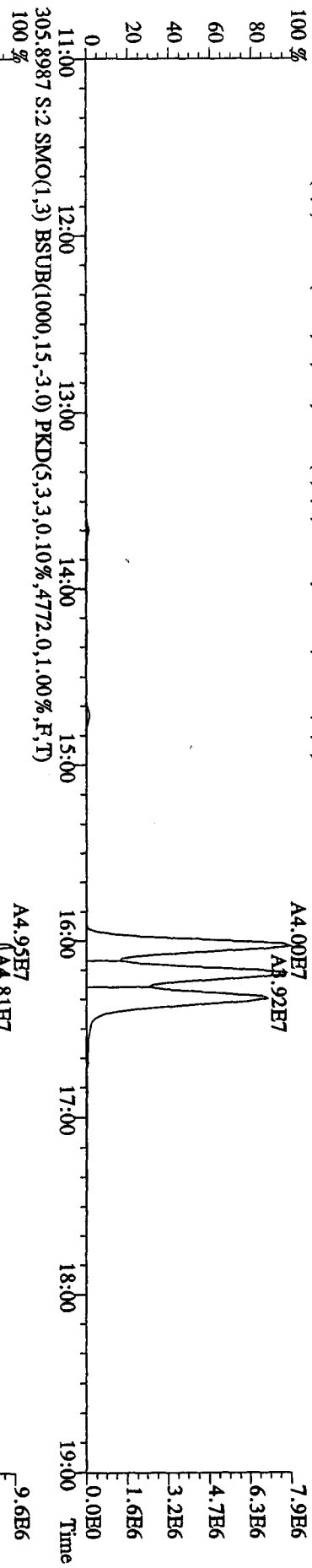
File: 01MVT10A5D2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC EI + Voltage SIR 70SE
 Sample #1 Text: ST0501A :CS3 10DXN111 Exp: DB225RES
 327.8840 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2700.0,1.00%,F,T)
 A9.24E6



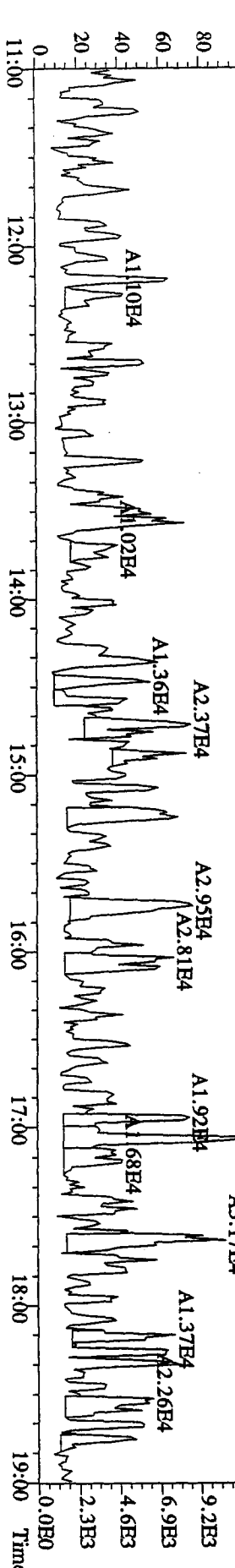
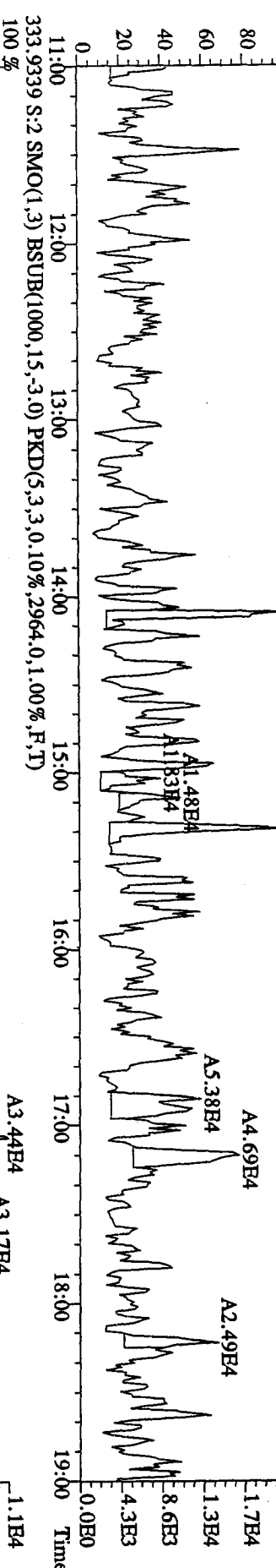
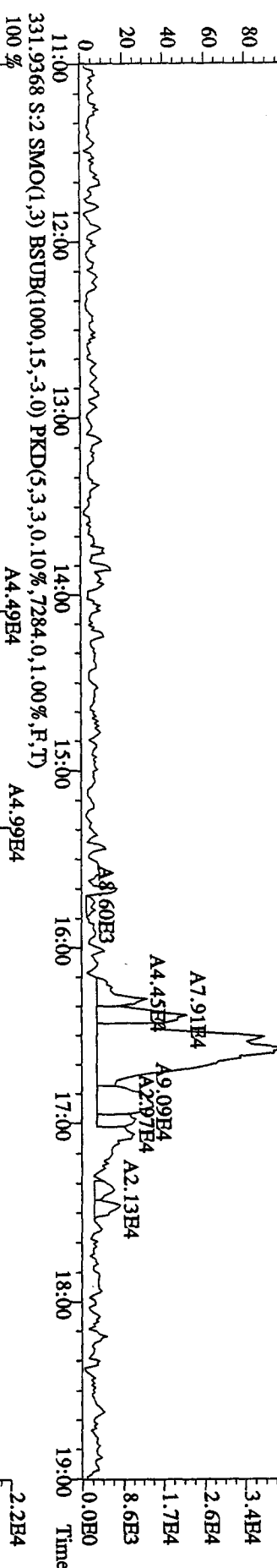
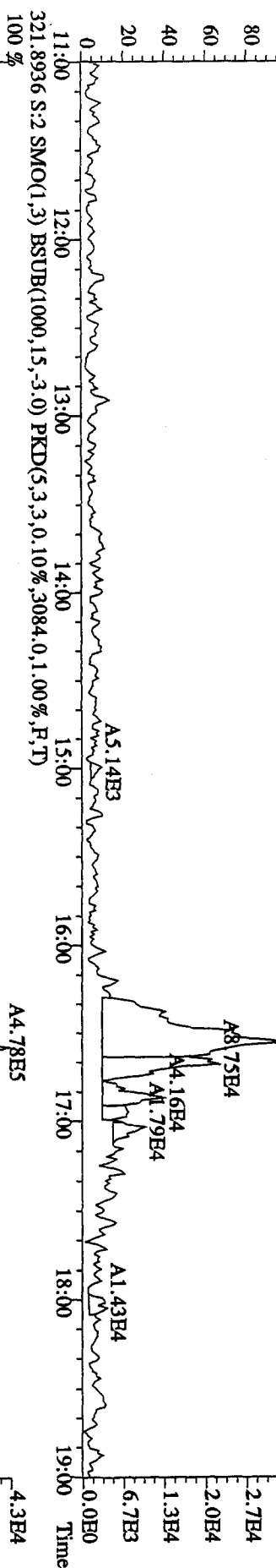
File:01MAY10A5D2 #1-1242 Acq: 1-MAY-2010 19:38:46 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST0501A :CS3 10DDXN111 Exp:DB225RES
 375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1448.0,1.00%,F,T)



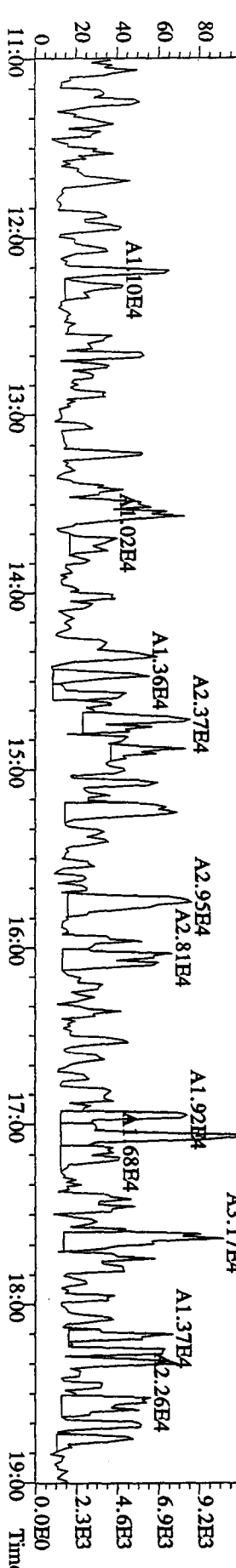
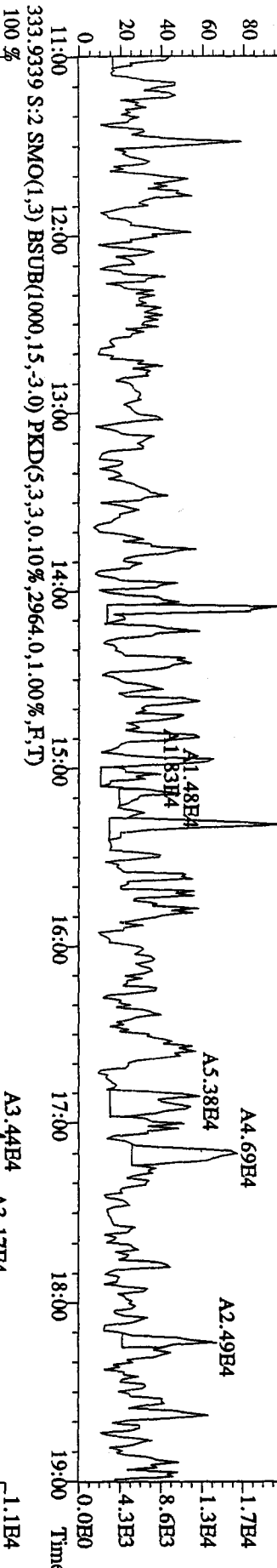
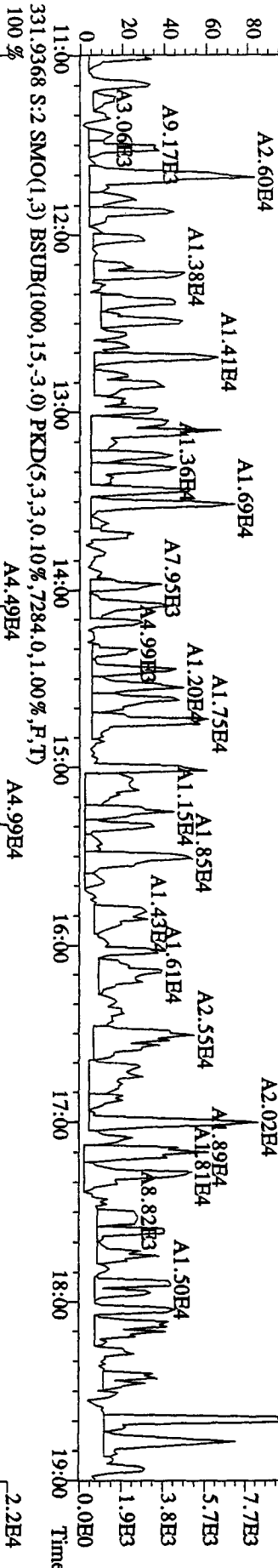
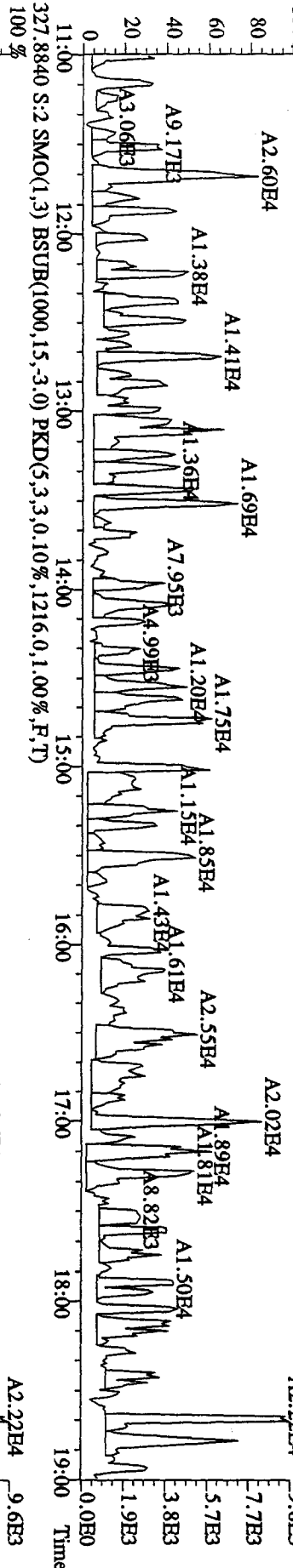
File:01MAY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC HI+ Voltage SIR 70SE
 Sample#2 Text:CP0501A :DB-225 CP5M 3732-06 Exp:DB225RBS
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3576.0,1.00%,F,T)



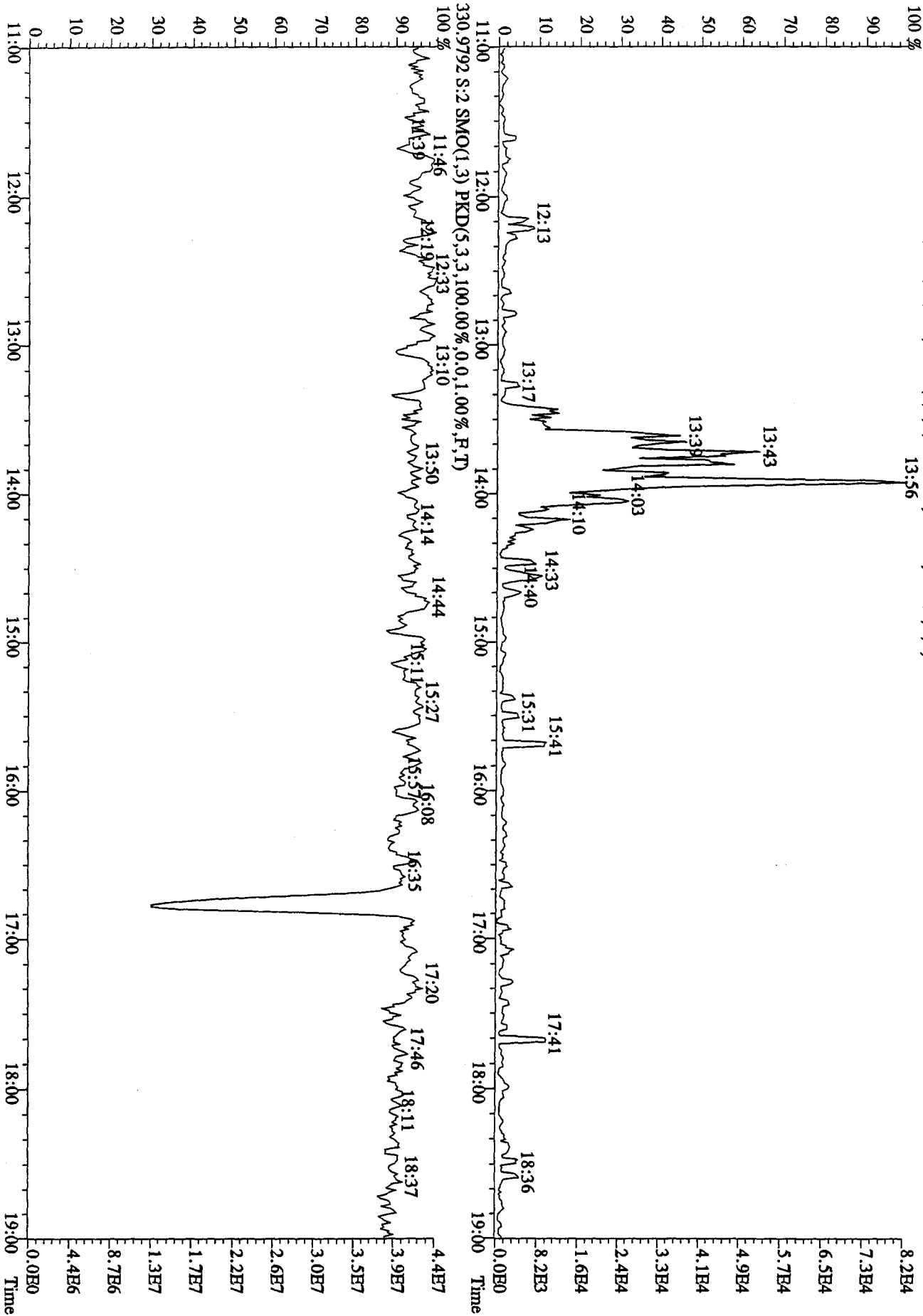
File:01MAY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0501A :DB-225 CP5M 3732-06 Exp:DB25RES
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2424,0.1,0.0%,F,T)



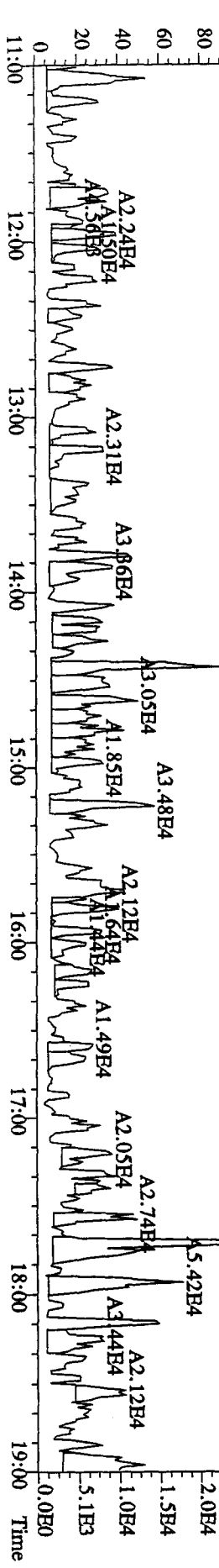
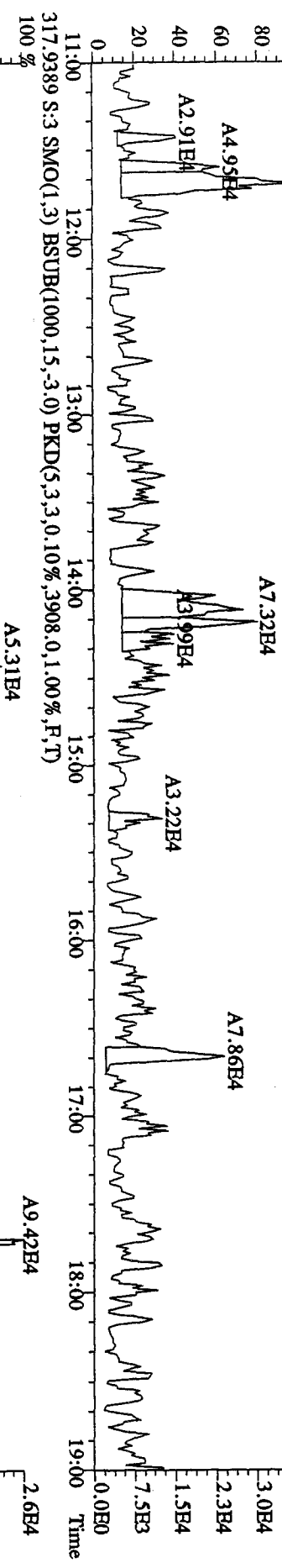
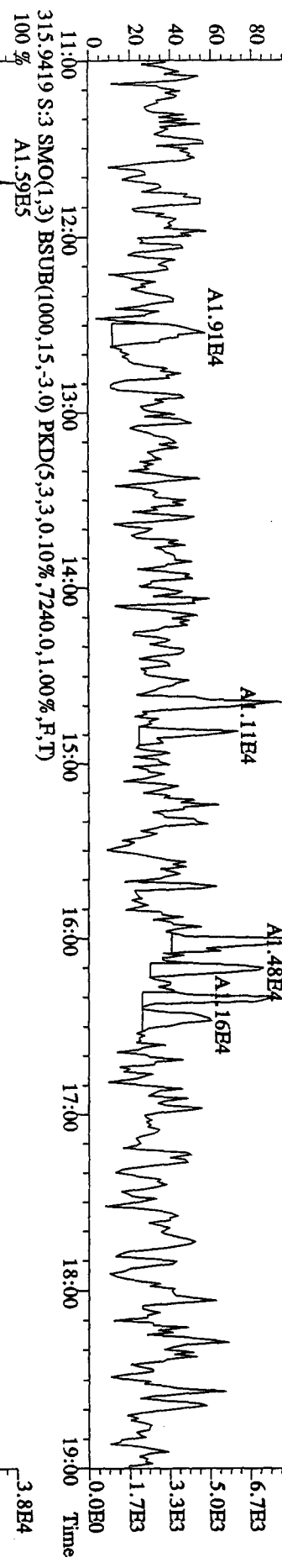
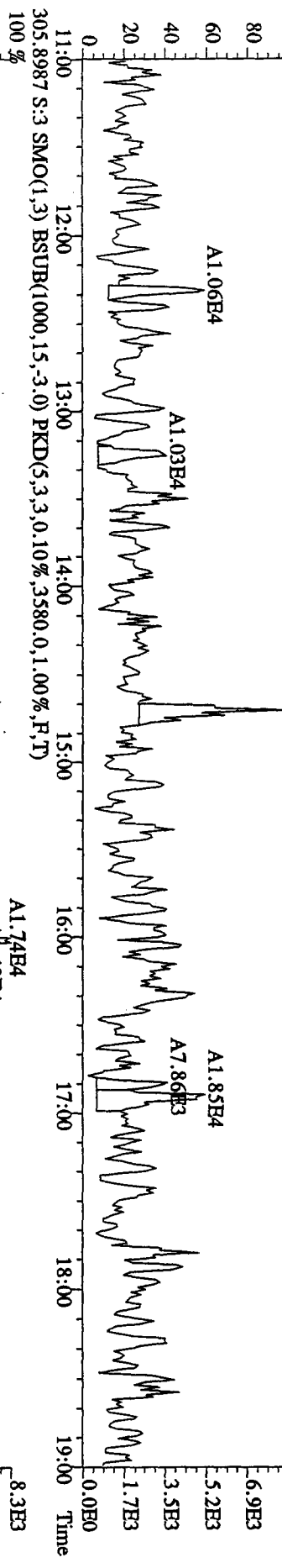
File:01MYY10A5D2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0501A :DB-225 CPM 3732-06 Exp:DB225RES
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1216,0,1,100%,F,T)



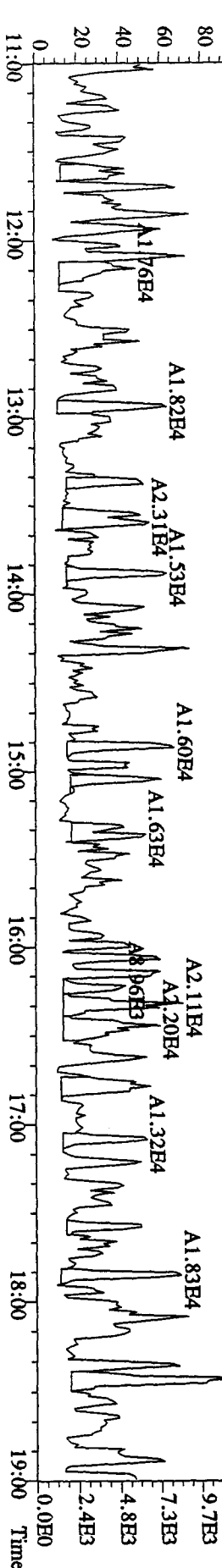
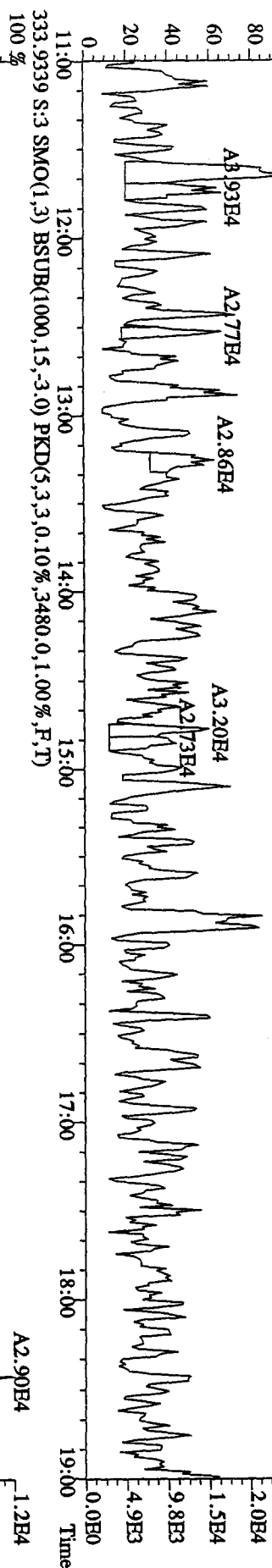
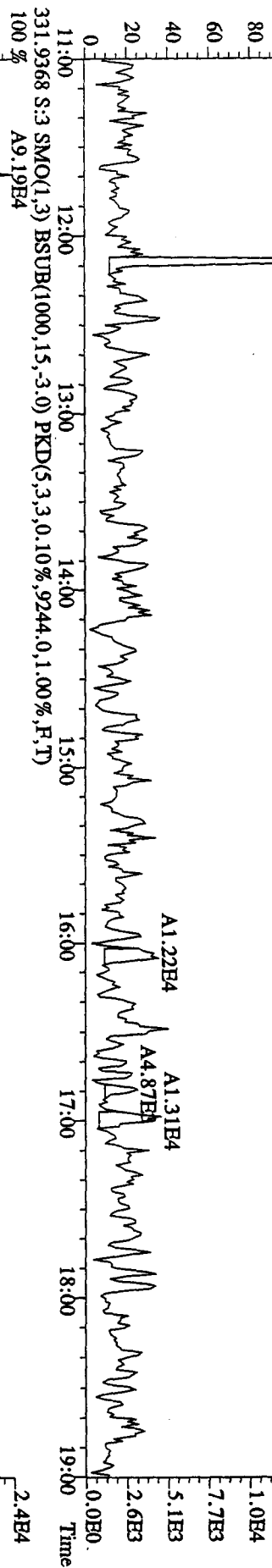
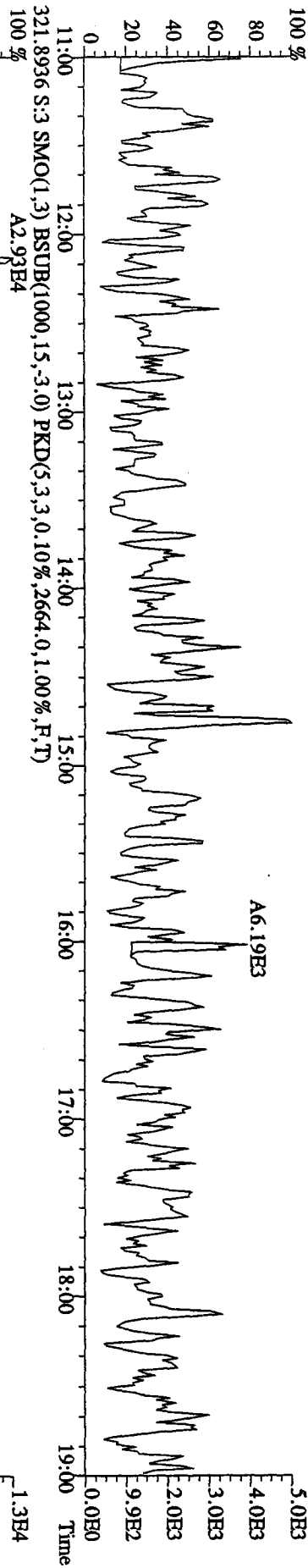
File:01MY10ASD2 #1-1241 Acq: 1-MAY-2010 20:15:50 GC EI+ Voltage SIR 70SE
 Sample#2 Text:CP0501A :DB-225 CP5M 3732-06 Exp:DB225RES
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1.428,0.1,0.00%,F,T)



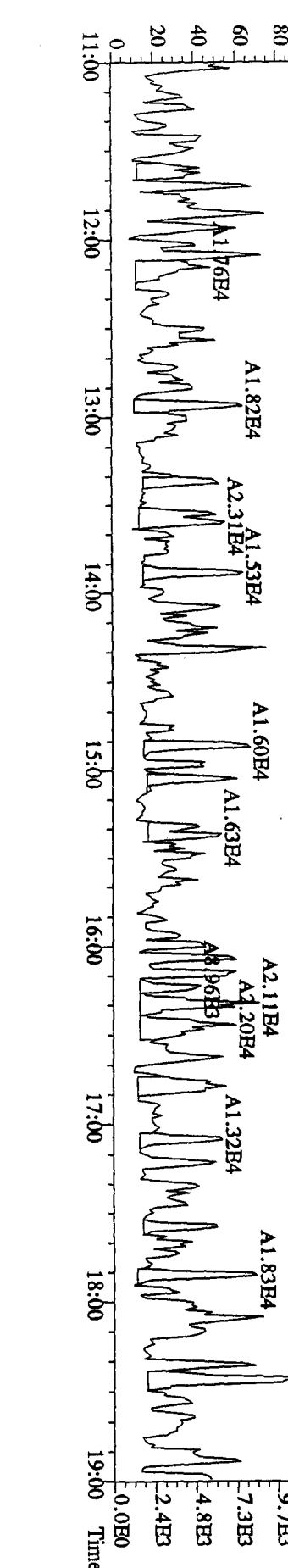
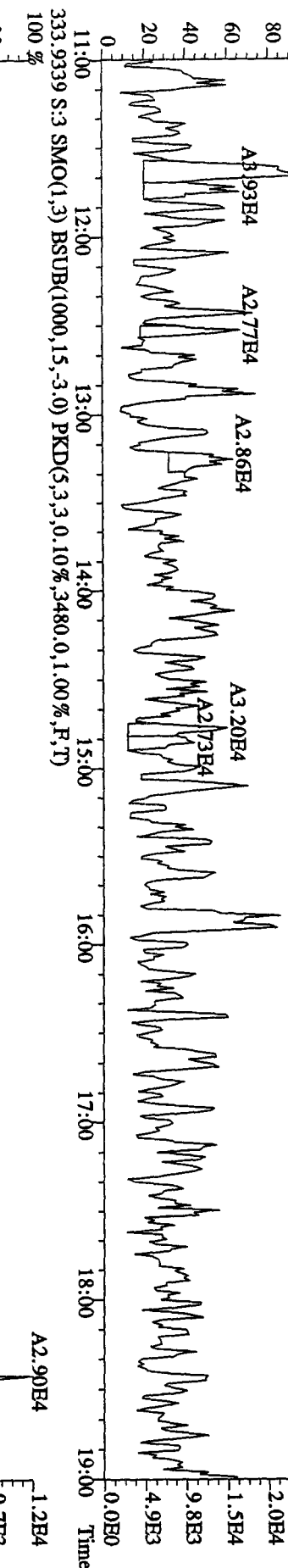
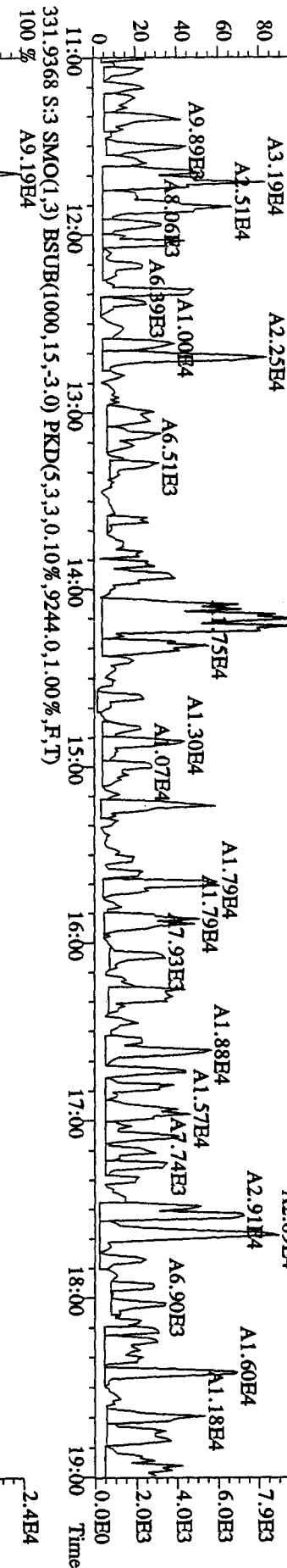
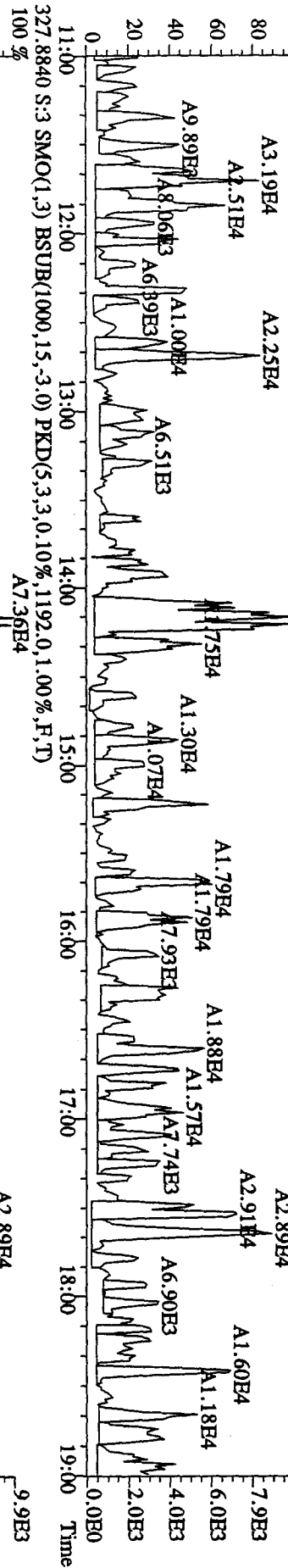
File:01MAY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC HI+ Voltage SIR 70SE
 Sample#3 Text:SB0501A :Solvent Blank C-14 Exp:DB22PRES
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2472.0,1.00%,F,T)
 100% A1.81E4



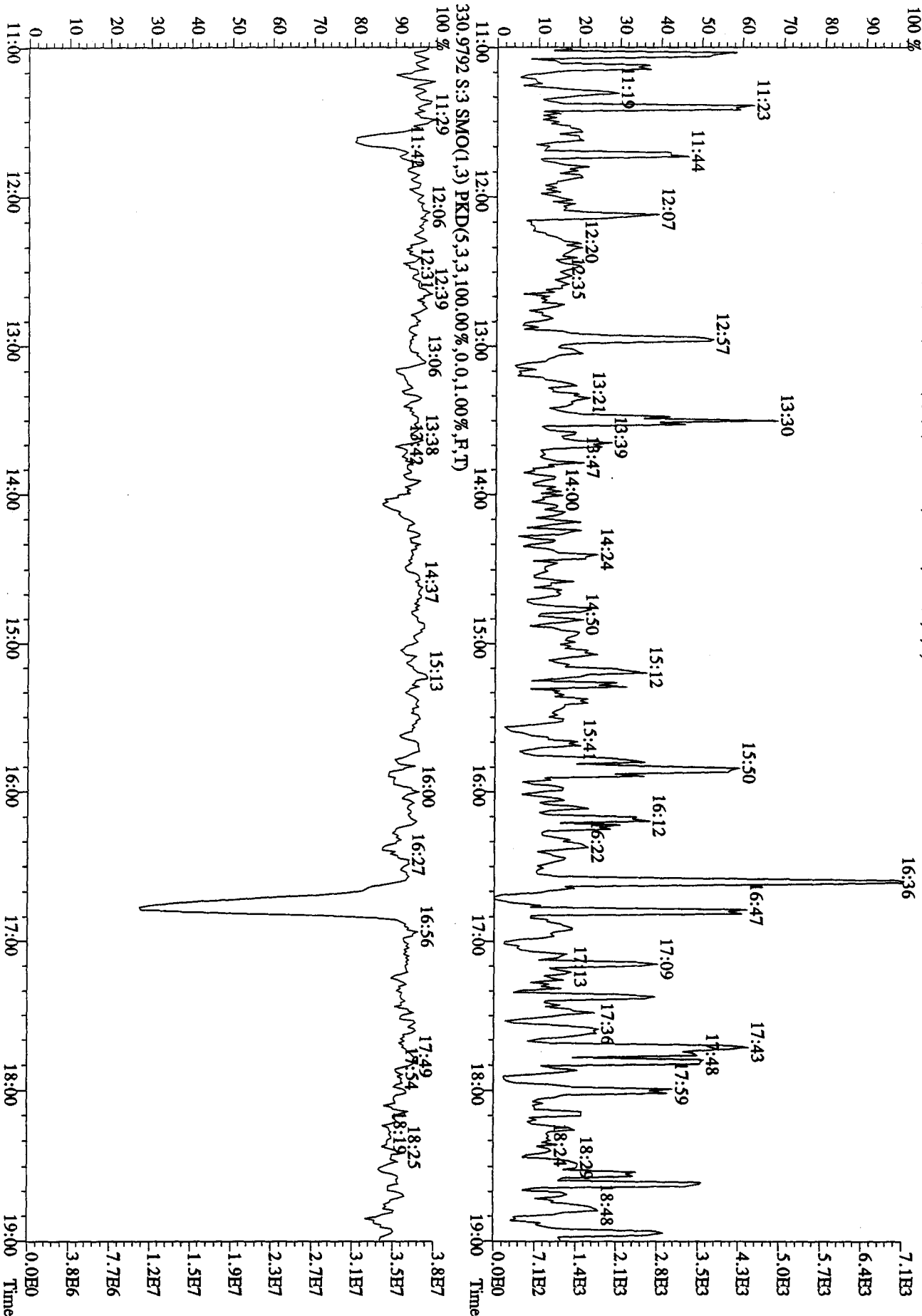
File:01MAY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC HI+ Voltage SIR 70SB
 Sample#3 Text:SB0501A :Solvent Blank C-14 Exp:DB25RES
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1916,0,1,00%,F,T)



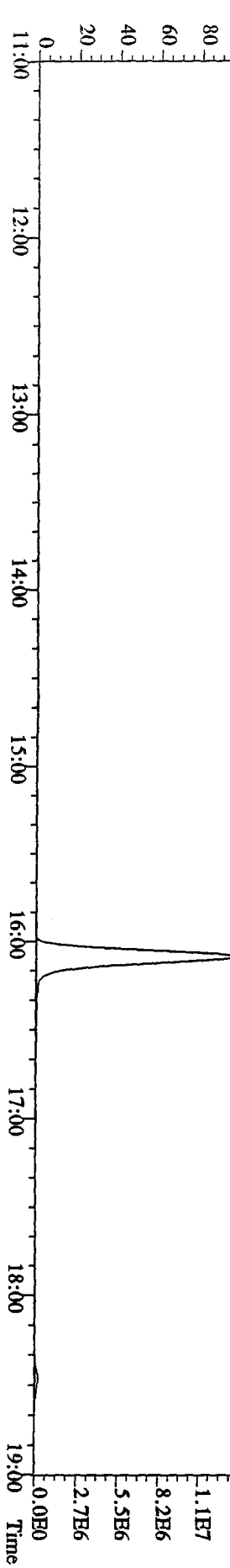
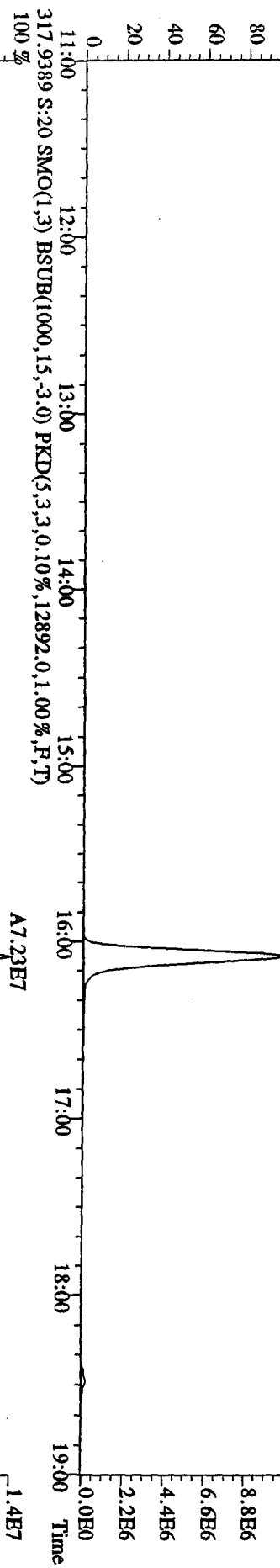
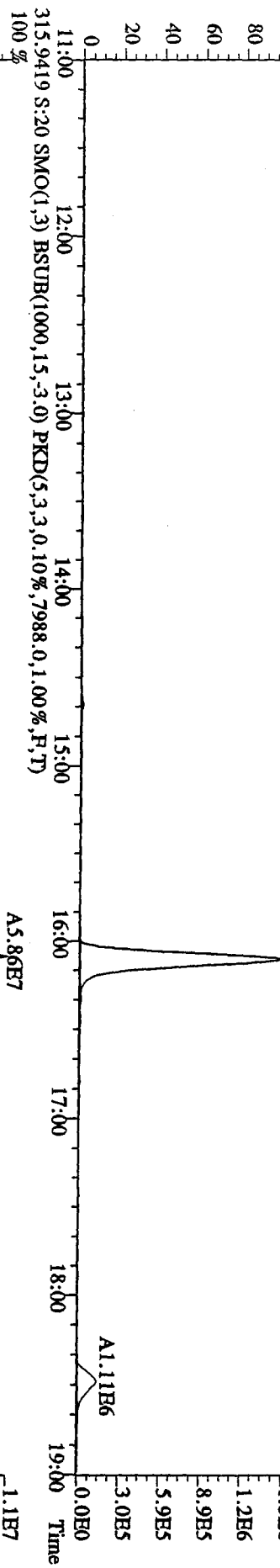
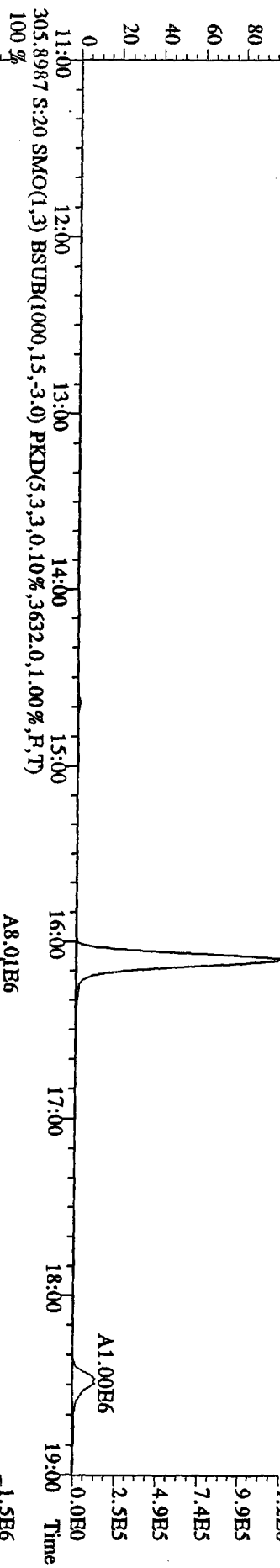
File:01MAY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC EI+ Voltage SIR 70SE
 Sample#3 Text:SB0501A :Solvent Blank C-14 Exp:DB225RES
 327.8840 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1192.0,1.00%,F,T)
 100%



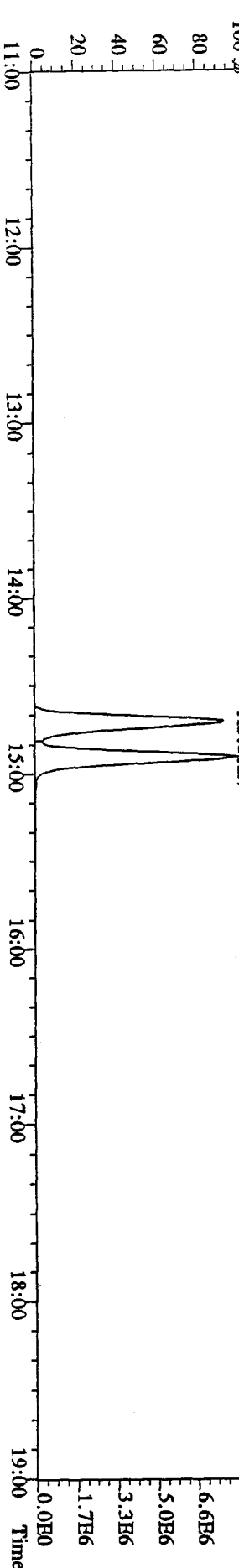
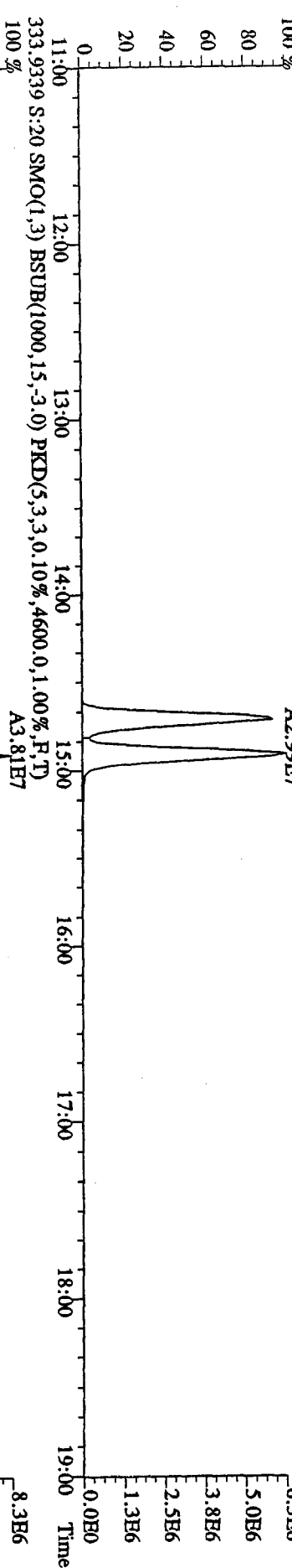
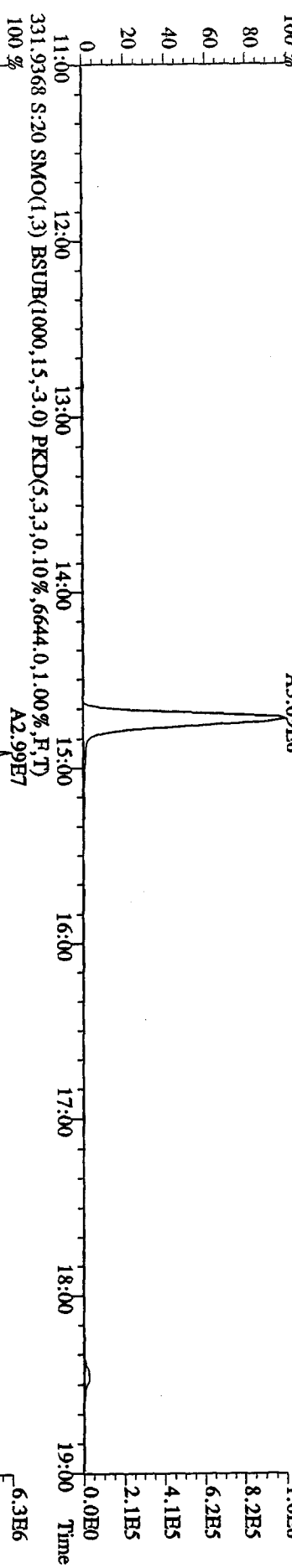
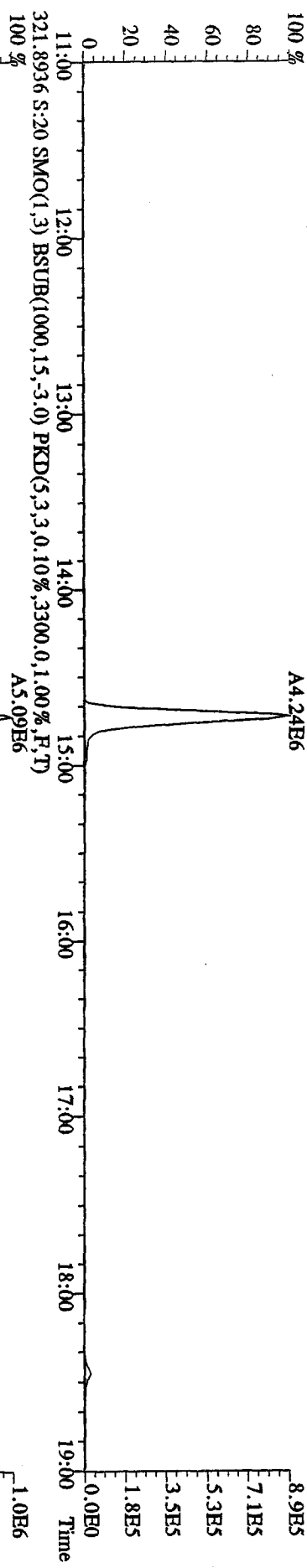
File: 01MAY10A5D2 #1-1242 Acq: 1-MAY-2010 20:52:54 GC EI+ Voltage SIR 70SE
 Sample#3 Text: SB0501A :Solvent Blank C-14 Exp: DB225RES
 375.8364 S:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,1276.0,1.00%,F,T)



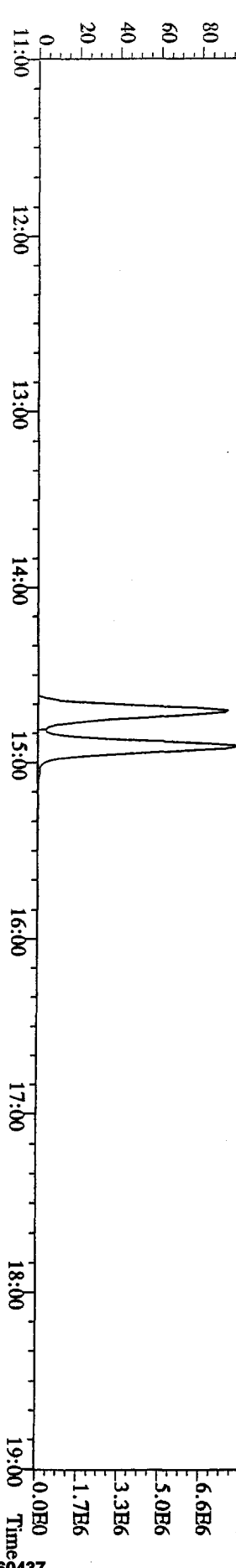
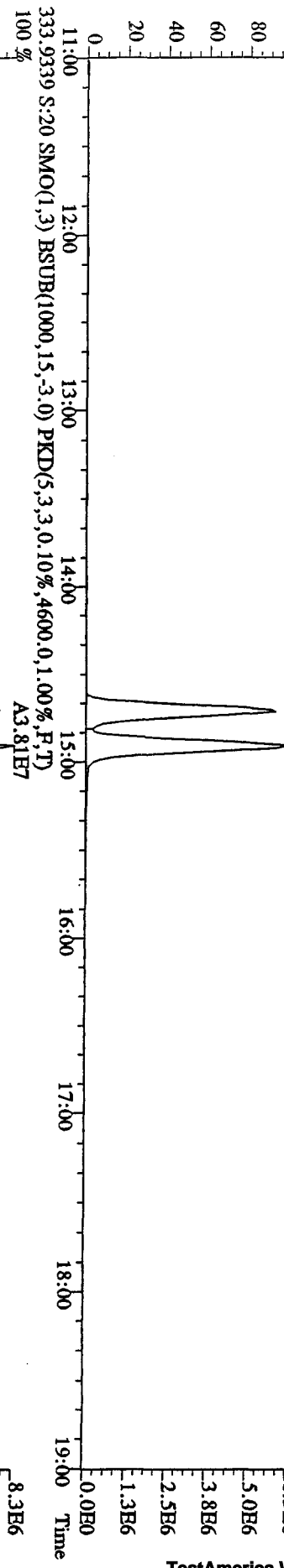
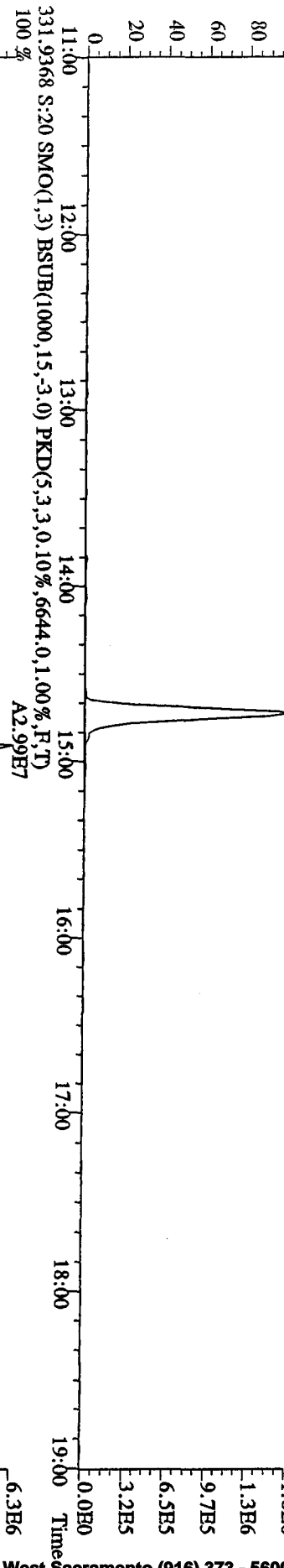
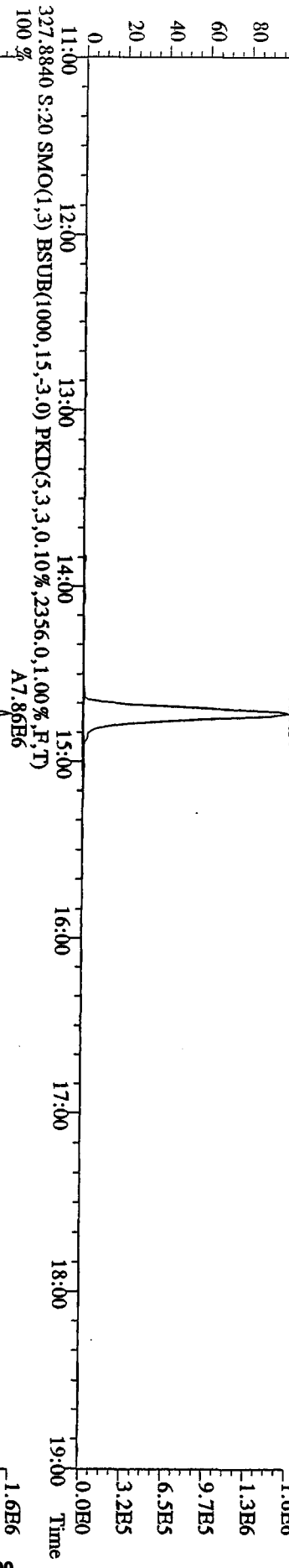
File:01MYY10A5D2 #1-1242 Acq: 2-MAY-2010 07:23:29 GC BI+ Voltage SIR 70SE
 Sample#20 Text:ST0501B :CS3 10DXN111 Exp:DB225RES
 303.9016 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3404.0,1.00%,F,T)



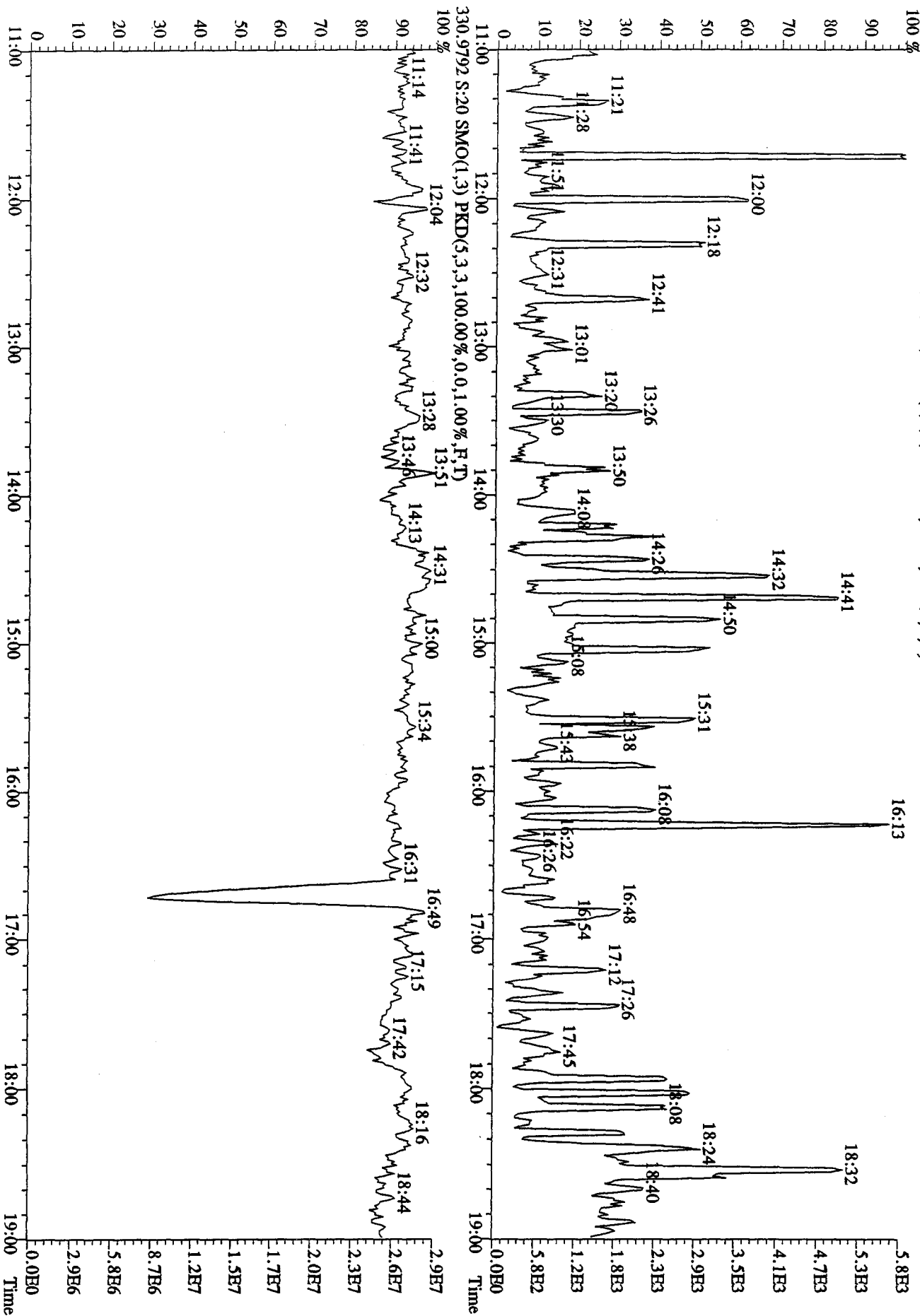
File:01MAY10A5D2 #1-1242 Acq: 2-MAY-2010 07:23:29 GC EI+ Voltage SIR 70SE
Sample#20 Text:ST0501B :CS3 10DXN111 Exp:DB225RES
319.8965 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2428.0,1.00%,F,T)
100% A4.24E6



File:01MAY10ASD2 #1-1242 Acq: 2-MAY-2010 07:23:29 GC EI+ Voltage SIR 70SE
 Sample#20 Text:ST0501B :CS3 10DXN111 Exp:DB225RES
 327.8840 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2356.0,1.00%,F,T)
 100% A7.86B6



File:01MAY10ASD2 #1-1242 Acq: 2-MAY-2010 07:23:29 GC: HI + Voltage SIR 70SE
 Sample#20 Text:ST0501B :CS3 10DXN111 Exp:DB225RES
 375.8364 S:2.0 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,740.0,1.00%,F,T)



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Initial Calibration Checklist
Dioxin Methods

ICAL ID ^{A+R} (DB225, DB225) 042110502

Method ID 8290, 1613B, T09, 23, 0023A

Date Scanned _____

Column ID DB225

Instrument ID 502

STD ID's ST0421(I, H, G, K, J.)

STD Solution 09DXN422, 09DXN423, 10DXN111, 09DXN426, 09DXN436

GC Program DB225

Multiplier Setting 750

Analyzed By M.G.

Date Analyzed 4/21/10

Prepared By M.G.

Date Prepared 4/22/10

Reviewed By MCW

Date Reviewed 4/23/10

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:

CS3 13C-1,2,3,4-TCDD Retention Time = 14:56

*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: 21AP10SD2 Analyte: DB225AIR Cal: DB225AIR0421105D2

ST0421I : CS1 09DXN422 ST0421H : CS2 09DXN423 ST0421G : CS3 10DXN111
 ST0421K : CS4 09DXN426 ST0421J : CS5 09DXN456

Name	Mean	S. D.	%RSD	21AP10SD2				
				S14	S13	S12	S16	S15
13C-1,2,3,4-TCDD	-	-	-	RRF1	RRF2	RRF3	RRF4	RRF5
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.406	0.279	11.6 %	2.89	2.38	2.23	2.27	2.26

Run #1 Filename 21AP105D2 S: 14 I: 1
Acquired: 21-APR-10 18:17:40 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2

Comments:

Sample text: ST0421I :CS1 09DXN422

Name	Resp	RA	RT	RRF	Mod?
13C-1,2,3,4-TCDD	98548600	0.76 y	14:56	-	100.00 n
13C-2,3,7,8-TCDF	214570500	0.81 y	16:07	2.177	100.00 n
2,3,7,8-TCDF	1171014	0.76 y	16:08	1.091	0.50 n
13C-2,3,7,8-TCDD	91030100	0.77 y	14:44	0.924	100.00 n
2,3,7,8-TCDD	654904	0.80 y	14:45	1.439	0.50 n
37Cl-2,3,7,8-TCDD	1317370	1.00 y	14:45	2.894	0.50 n

Run #2 Filename 21AP105D2 S: 13 I: 1
Acquired: 21-APR-10 17:40:39 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2

Comments:

Sample text: ST0421H :CS2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	105183700	0.75 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207380000	0.83 y	16:07	1.972	100.00	n
2,3,7,8-TCDF	4477510	0.83 y	16:09	1.080	2.00	n
13C-2,3,7,8-TCDD	95824400	0.76 y	14:45	0.911	100.00	n
2,3,7,8-TCDD	2492210	0.81 y	14:45	1.300	2.00	n
37C1-2,3,7,8-TCDD	4561780	1.00 y	14:45	2.380	2.00	n

Run #3 Filename 21AP105D2 S: 12 I: 1
Acquired: 21-APR-10 17:03:38 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2

Comments:

Sample text: ST0421G :CS3 10DXN111

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	89594000	0.77 y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	195422300	0.84 y	16:07	2.181	100.00	n
2,3,7,8-TCDF	21585080	0.85 y	16:08	1.105	10.00	n
13C-2,3,7,8-TCDD	87844800	0.77 y	14:44	0.980	100.00	n
2,3,7,8-TCDD	12499560	0.85 y	14:45	1.423	10.00	n
37Cl-2,3,7,8-TCDD	19546260	1.00 y	14:45	2.225	10.00	n

Run #4 Filename 21AP105D2 S: 16 I: 1
Acquired: 21-APR-10 19:31:45 Processed: 22-APR-10 15:44:28
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421K :CS4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	107645400	0.77 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207815400	0.82 y	16:08	1.931	100.00	n
2,3,7,8-TCDF	91213400	0.83 y	16:09	1.097	40.00	n
13C-2,3,7,8-TCDD	94849900	0.76 y	14:45	0.881	100.00	n
2,3,7,8-TCDD	49864500	0.85 y	14:46	1.314	40.00	n
37Cl-2,3,7,8-TCDD	86039800	1.00 y	14:46	2.268	40.00	n

Run #5 Filename 21AP105D2 S: 15 I: 1
Acquired: 21-APR-10 18:54:42 Processed: 22-APR-10 15:44:29
Run: 21AP105D2 Analyte: DB225AIR Cal: DB225AIR0421105D2
Comments:
Sample text: ST0421J :CS5 09DXN456

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	96437900	0.75 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	218989000	0.84 y	16:08	2.271	100.00	n
2,3,7,8-TCDF	468380000	0.81 y	16:09	1.069	200.00	n
13C-2,3,7,8-TCDD	100872600	0.78 y	14:45	1.046	100.00	n
2,3,7,8-TCDD	264244000	0.84 y	14:46	1.310	200.00	n
37Cl-2,3,7,8-TCDD	456866000	1.00 y	14:46	2.265	200.00	n

Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2

ST0421I : CS1 09DXN422 ST0421H : CS2 09DXN423 ST0421G : CS3 10DXN111
ST0421K : CS4 09DXN426 ST0421J : CS5 09DXN456

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	2.106	0.147	6.99 %	2.18	1.97	2.18	1.93	2.27
2,3,7,8-TCDF	1.088	0.014	1.29 %	1.09	1.08	1.10	1.10	1.07
13C-2,3,7,8-TCDD	0.948	0.065	6.89 %	0.92	0.91	0.98	0.88	1.05
2,3,7,8-TCDD	1.357	0.068	4.98 %	1.44	1.30	1.42	1.31	1.31
37Cl-2,3,7,8-TCDD	2.278	0.257	11.3 %	2.67	2.17	2.18	2.00	2.37

Run #1 Filename 21AP105D2 S: 14 I: 1
Acquired: 21-APR-10 18:17:40 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2

Comments:

Sample text: ST0421I :CS1 09DKN422

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	98548600	0.76 y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	214570500	0.81 y	16:07	2.177	100.00	n
2,3,7,8-TCDF	1171014	0.76 y	16:08	1.091	0.50	n
13C-2,3,7,8-TCDD	91030100	0.77 y	14:44	0.924	100.00	n
2,3,7,8-TCDD	654904	0.80 y	14:45	1.439	0.50	n
37Cl-2,3,7,8-TCDD	1317370	1.00 y	14:45	2.674	0.50	n

Run #2 Filename 21AP105D2 S: 13 I: 1
Acquired: 21-APR-10 17:40:39 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2

Comments:

Sample text: ST0421H :CS2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	105183700	0.75 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207380000	0.83 y	16:07	1.972	100.00	n
2,3,7,8-TCDF	4477510	0.83 y	16:09	1.080	2.00	n
13C-2,3,7,8-TCDD	95824400	0.76 y	14:45	0.911	100.00	n
2,3,7,8-TCDD	2492210	0.81 y	14:45	1.300	2.00	n
37Cl-2,3,7,8-TCDD	4561780	1.00 y	14:45	2.168	2.00	n

Run #3 Filename 21AP105D2 S: 12 I: 1
Acquired: 21-APR-10 17:03:38 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2

Comments:

Sample text: ST0421G :CS3 10DXN111

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	89594000	0.77 y	14:56	-	100.00	n
13C-2,3,7,8-TCDF	195422300	0.84 y	16:07	2.181	100.00	n
2,3,7,8-TCDF	21585080	0.85 y	16:08	1.105	10.00	n
13C-2,3,7,8-TCDD	87844800	0.77 y	14:44	0.980	100.00	n
2,3,7,8-TCDD	12499560	0.85 y	14:45	1.423	10.00	n
37Cl-2,3,7,8-TCDD	19546260	1.00 y	14:45	2.182	10.00	n

Run #4 Filename 21AP105D2 S: 16 I: 1
Acquired: 21-APR-10 19:31:45 Processed: 22-APR-10 08:13:59
Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
Comments:

Sample text: ST0421K :CS4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	107645400	0.77 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	207815400	0.82 y	16:08	1.931	100.00	n
2,3,7,8-TCDF	91213400	0.83 y	16:09	1.097	40.00	n
13C-2,3,7,8-TCDD	94849900	0.76 y	14:45	0.881	100.00	n
2,3,7,8-TCDD	49864500	0.85 y	14:46	1.314	40.00	n
37Cl-2,3,7,8-TCDD	86039800	1.00 y	14:46	1.998	40.00	n

Run #5 Filename 21AP105D2 S: 15 I: 1
 Acquired: 21-APR-10 18:54:42 Processed: 22-APR-10 08:14:00
 Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
 Comments:

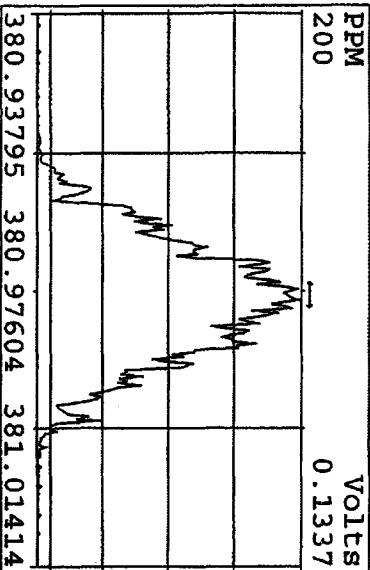
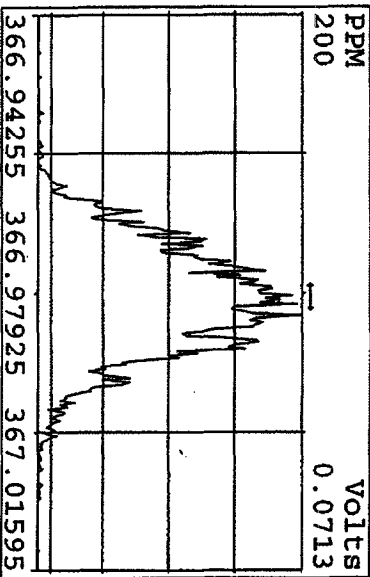
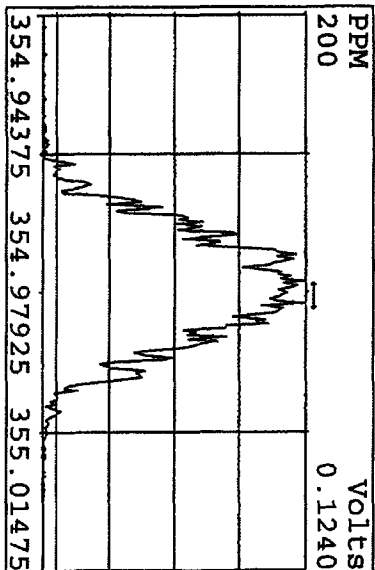
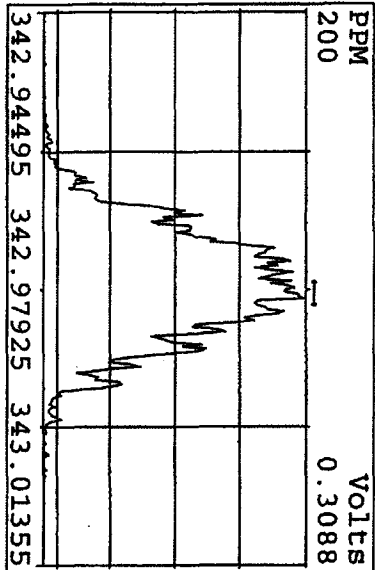
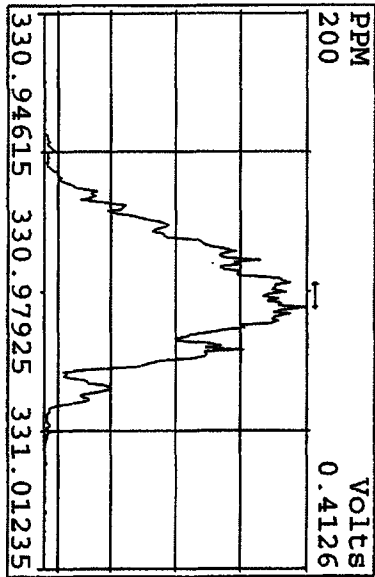
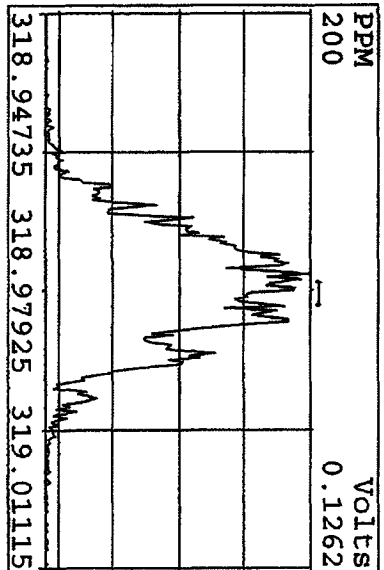
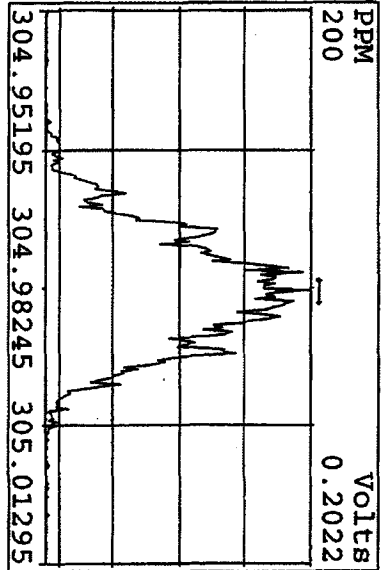
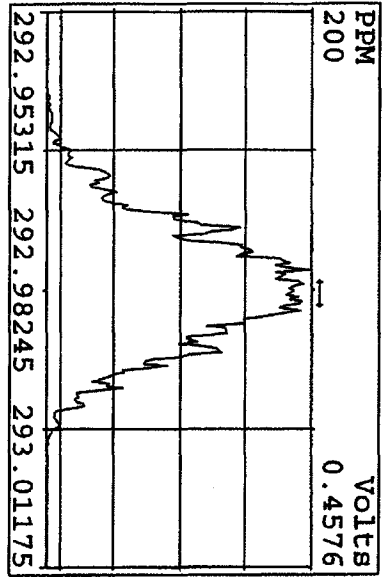
Sample text: ST0421J :CS5 09DXN456

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	96437900	0.75 y	14:57	-	100.00	n
13C-2,3,7,8-TCDF	218989000	0.84 y	16:08	2.271	100.00	n
2,3,7,8-TCDF	468380000	0.81 y	16:09	1.069	200.00	n
13C-2,3,7,8-TCDD	100872600	0.78 y	14:45	1.046	100.00	n
2,3,7,8-TCDD	264244000	0.84 y	14:46	1.310	200.00	n
37Cl-2,3,7,8-TCDD	456866000	1.00 y	14:46	2.369	200.00	n

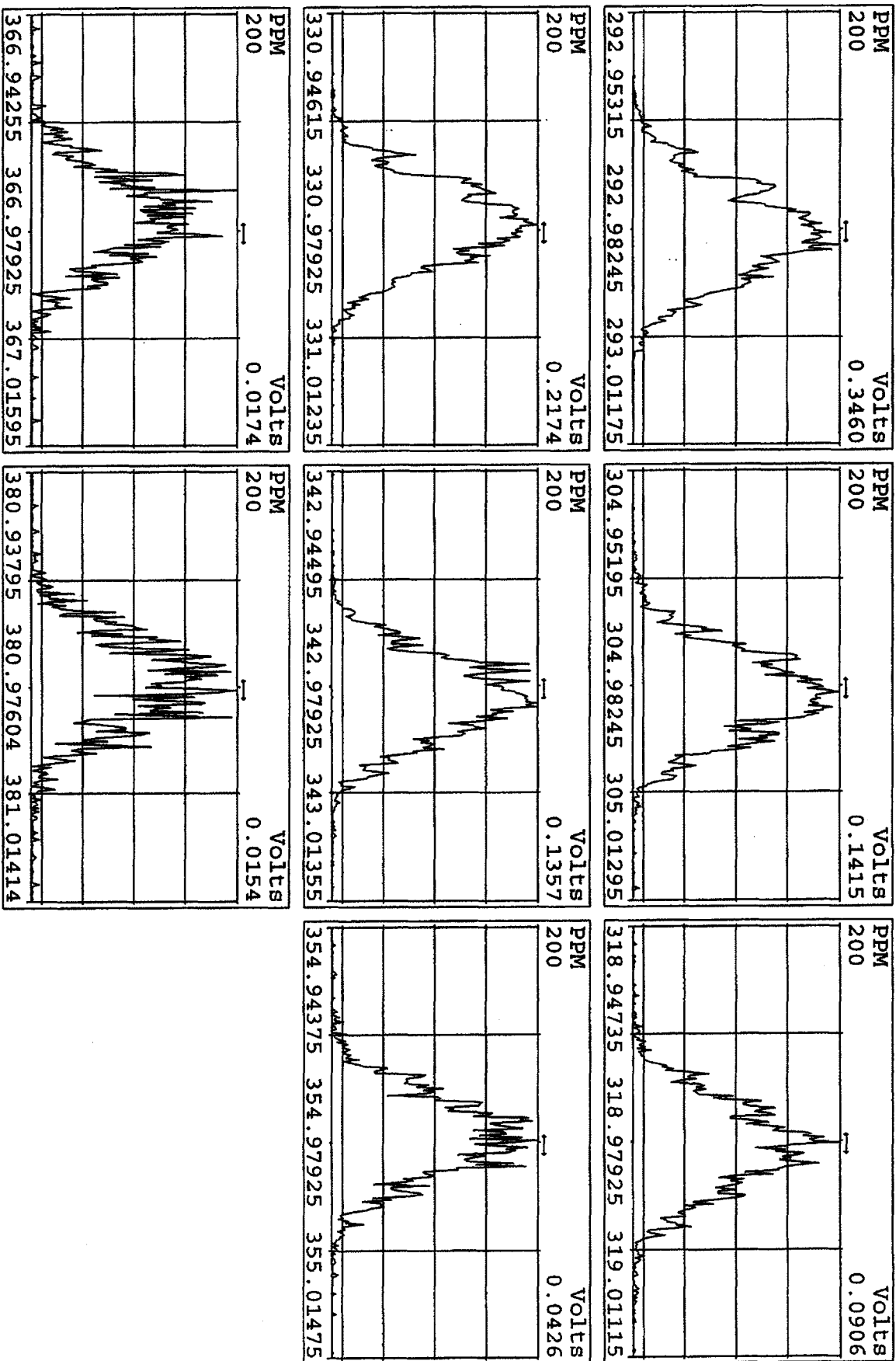
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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21AP105D2	2	CP0421	DB-225 CPSM 3732-06				1.000	
21AP105D2	3	SB0421	Solvent Blank C-14				1.000	
21AP105D2	4	LXTRR-1-AC	A0D120411-1	20	8290/SOLID	70	10.060 g	
21AP105D2	5	SB0421A	Solvent Blank C-14				1.000	
21AP105D2	6	ST0421A	CS3 10DXN111				1.000	
21AP105D2	7	ST0421B	CS2 09DXN423				1.000	
21AP105D2	8	ST0421C	CS1 09DXN422				1.000	
21AP105D2	9	ST0421D	CS5 09DXN456				1.000	
21AP105D2	10	ST0421E	CS4 09DXN426				1.000	
21AP105D2	11	ST0421F	2nd Source 09DXN449				1.000	
21AP105D2	12	ST0421G	CS3 10DXN111				1.000	
21AP105D2	13	ST0421H	CS2 09DXN423				1.000	
21AP105D2	14	ST0421I	CS1 09DXN422				1.000	
21AP105D2	15	ST0421J	CS5 09DXN456				1.000	
21AP105D2	16	ST0421K	CS4 09DXN426				1.000	
21AP105D2	17	ST0421L	2nd Source 09DXN449				1.000	
21AP105D2	18						1.000	
21AP105D2	19						1.000	
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21AP105D2	21		MG 04/21/10				1.000	

*log file checked
4-22-10
SMA*

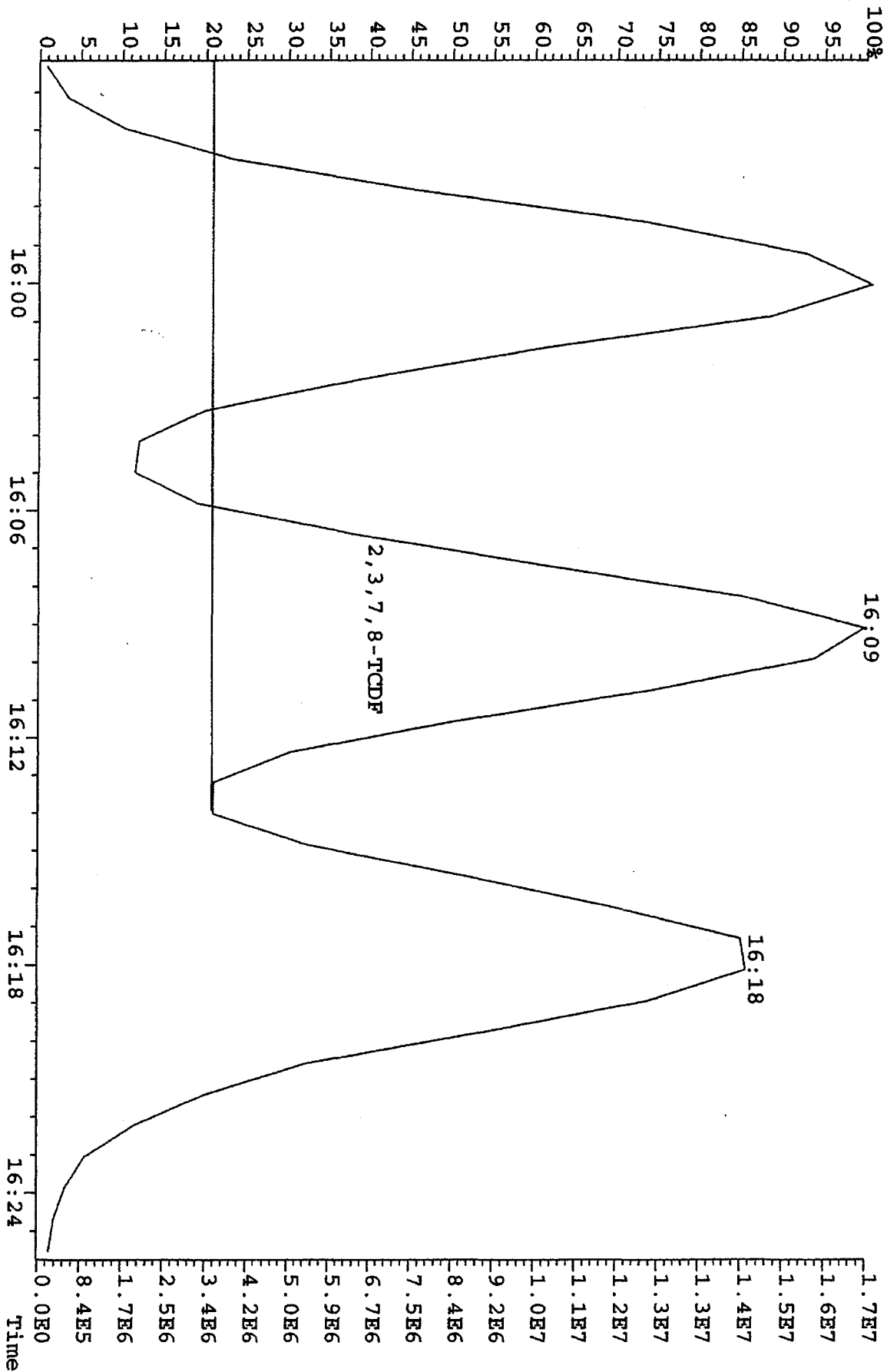
Peak Locate Examination: 21-APR-2010:10:08 File: 21AP105D2
 Experiment: DIOXIN Function: 1 Reference: PRK



Peak Locate Examination: 21-APR-2010: 21:16 File: RESCHK21AP105D2
 Experiment: DIOXIN Function: 1 Reference: PFK



File: 21API05D2 #1-919 Acq: 21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
 Sample#2 Exp: DIOXIN
 305.8987 S:2



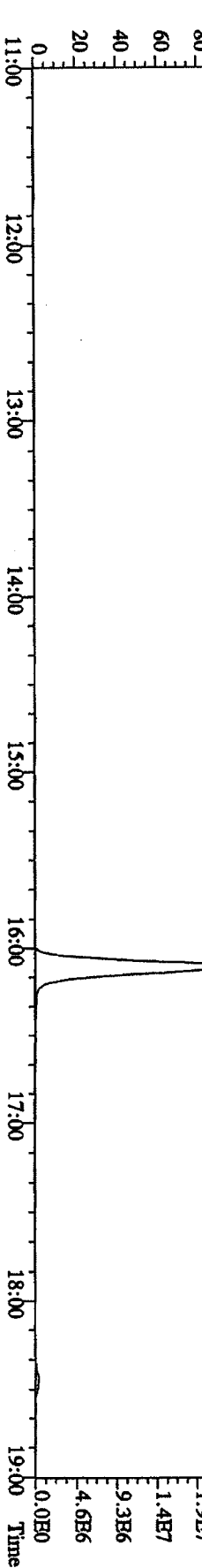
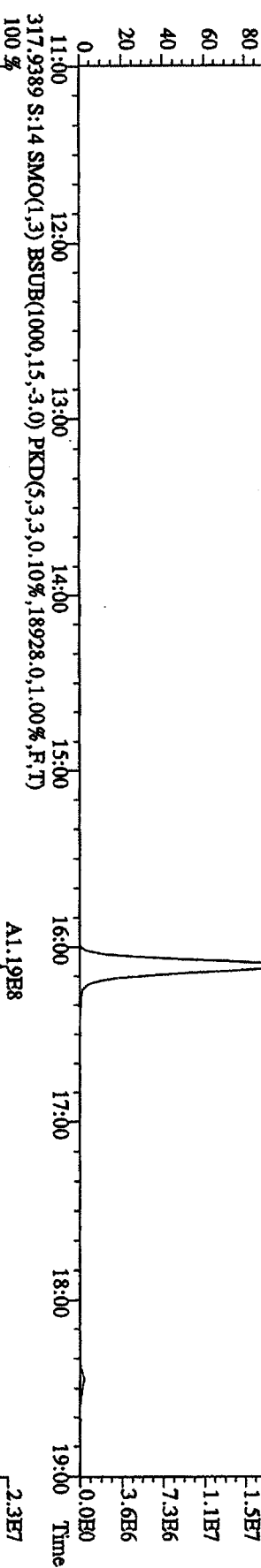
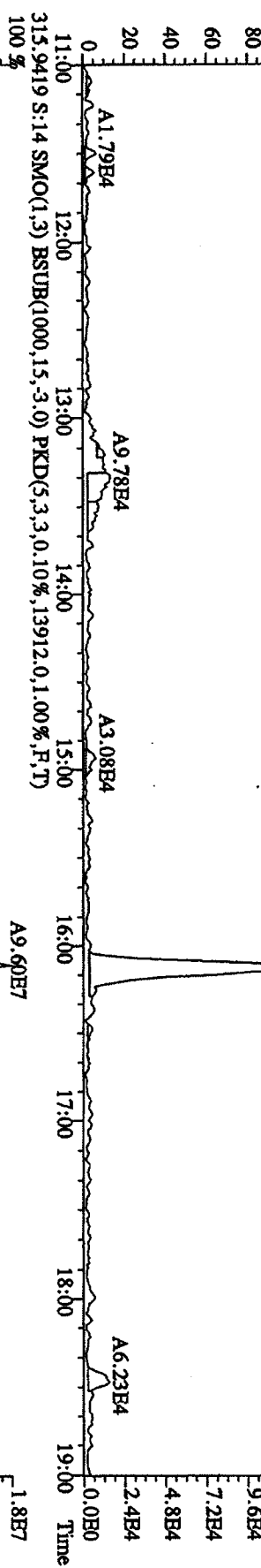
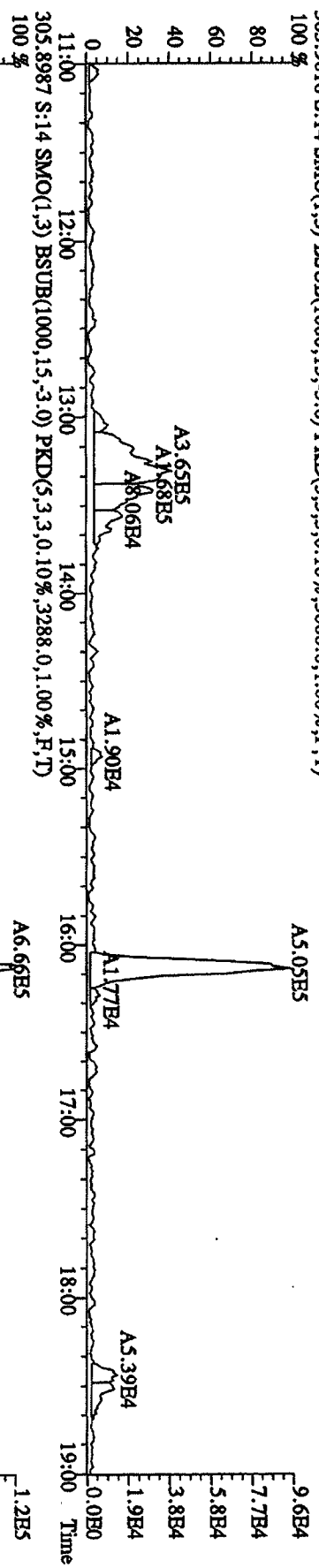
Quantitation Summary

TestAmerica West Sacramento

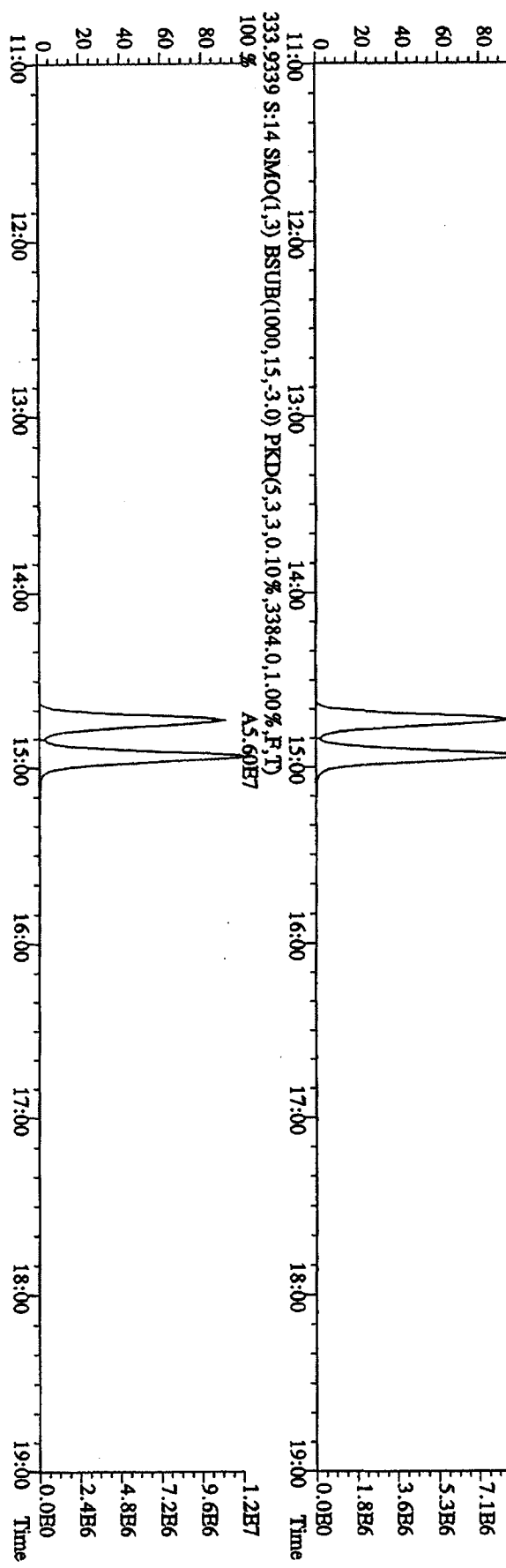
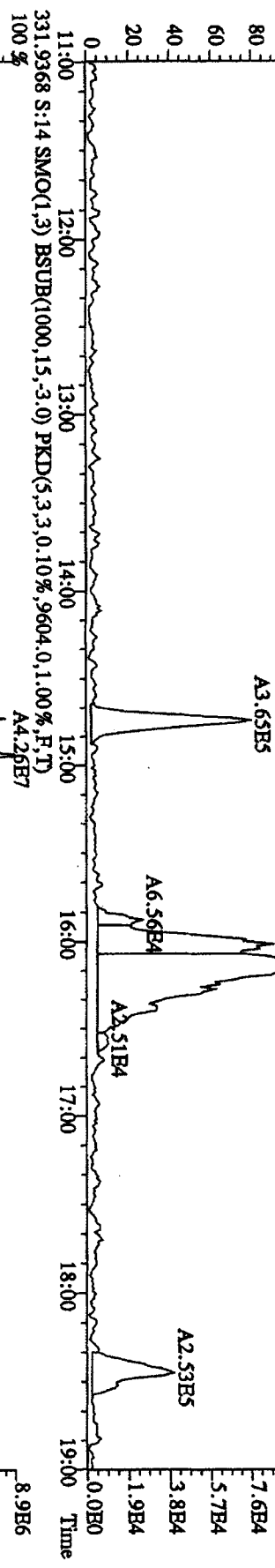
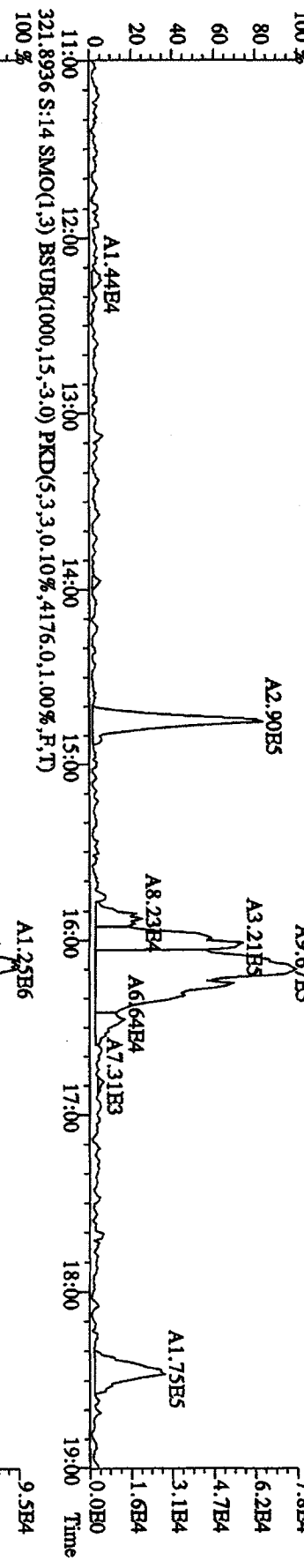
Run text: ST0421L Sample text: ST0421L :2nd Source 09DXN449
 Run #6 Filename: 21AP105D2 S: 17 I: 1 Results: 21AP105D2DB225A
 Acquired: 21-APR-10 20:08:50 Processed: 23-APR-10 15:30:50
 Run: 21AP105D2 Analyte: DB225 Cal: DB2250421105D2
 Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	92288800	0.77 y	14:57	-	92.77	-	-	n
13C-2,3,7,8-TCDF	210985500	0.84 y	16:08	2.11	2170.78	4.59	108.5	n
2,3,7,8-TCDF	22099440	0.82 y	16:09	1.09	192.46	1.01	-	n
13C-2,3,7,8-TCDD	100543600	0.76 y	14:45	0.95	2297.28	3.52	114.9	n
2,3,7,8-TCDD	13155960	0.84 y	14:46	1.36	192.81	1.44	-	n
37Cl-2,3,7,8-TCDD	23374800	1.00 y	14:46	2.28	222.36	0.33	111.2	n

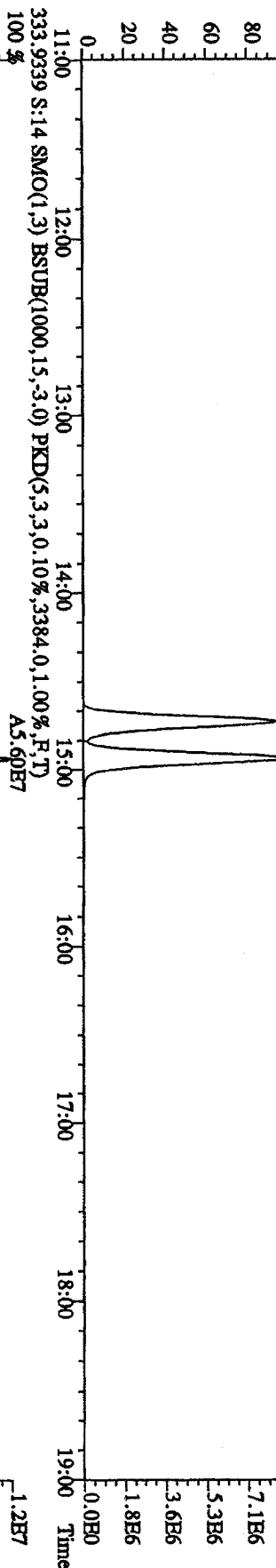
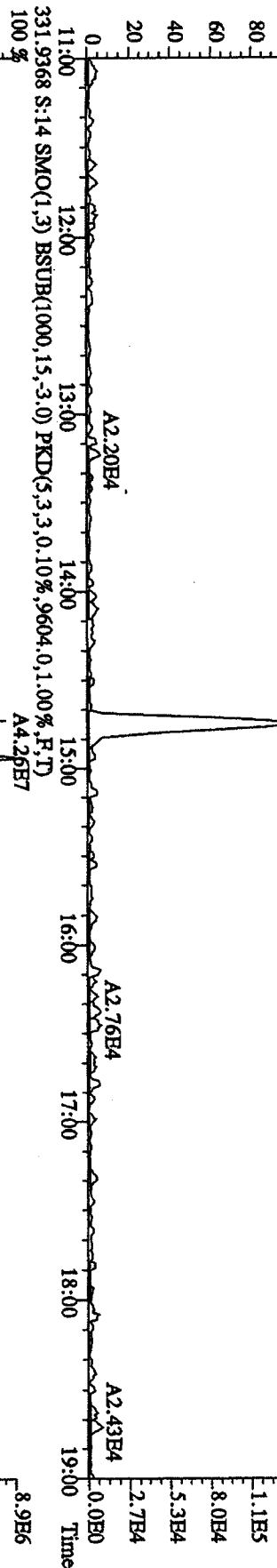
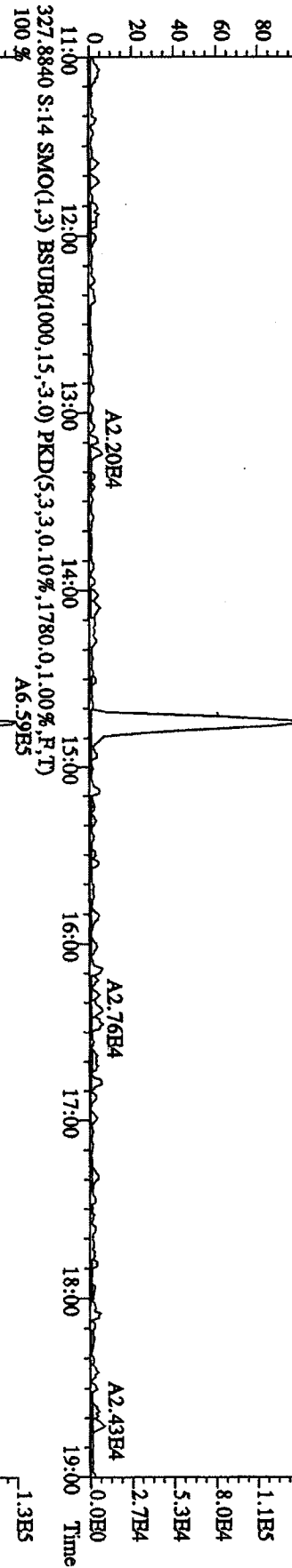
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 18:17:40 GC BE + Voltage SIR 70SE
 Sample#14 Text: ST04211 :CSI 09DXN422 Exp: DIOXIN
 303.9016 S:14 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3000,0,1,00%,F,T)



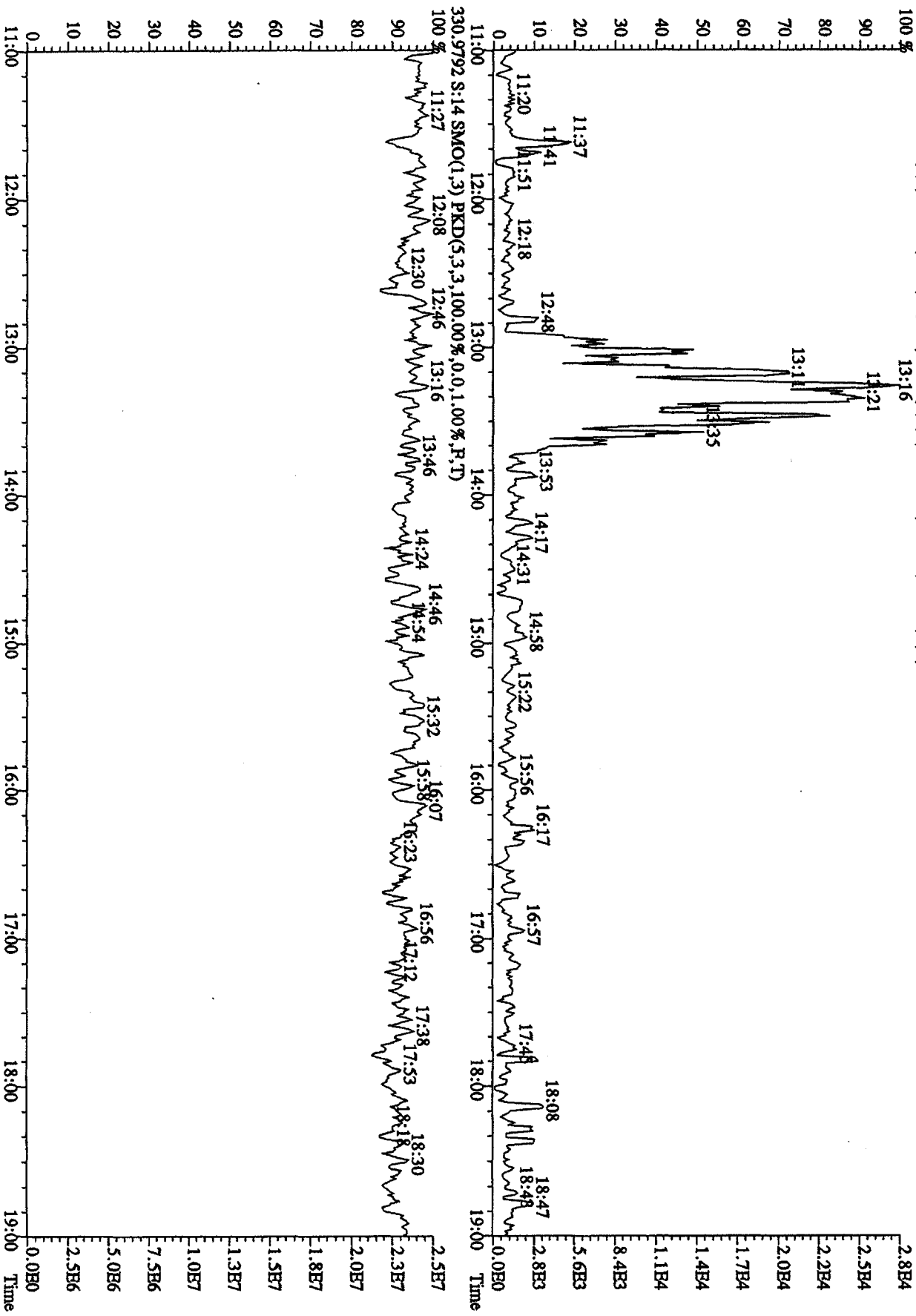
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC HI+ Voltage SIR 70SE
 Sample#14 Text:ST04211 :CSI 09DXN422 Exp:DIOXIN
 319.8965 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2500,0,1,00%,F,T)



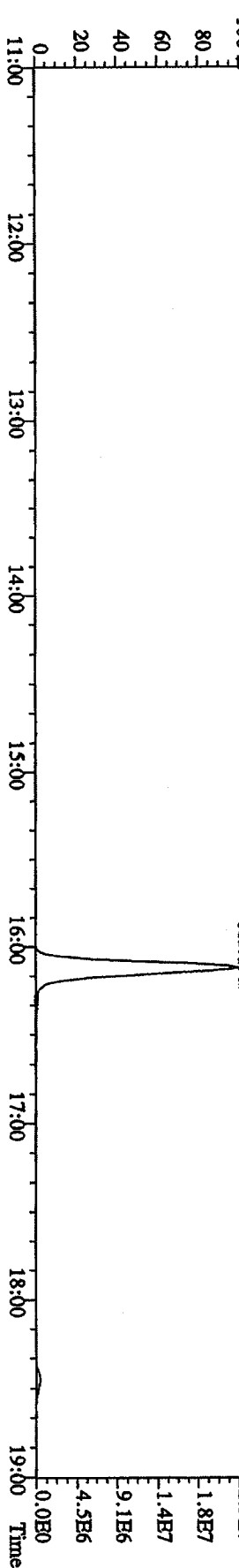
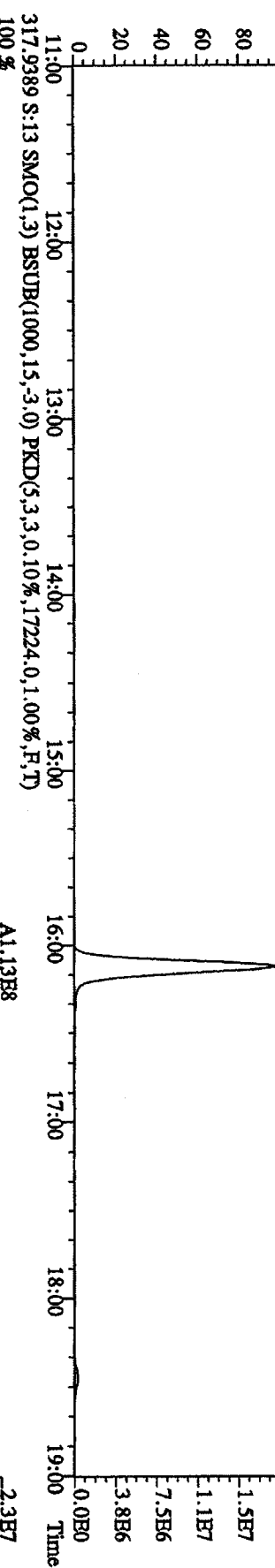
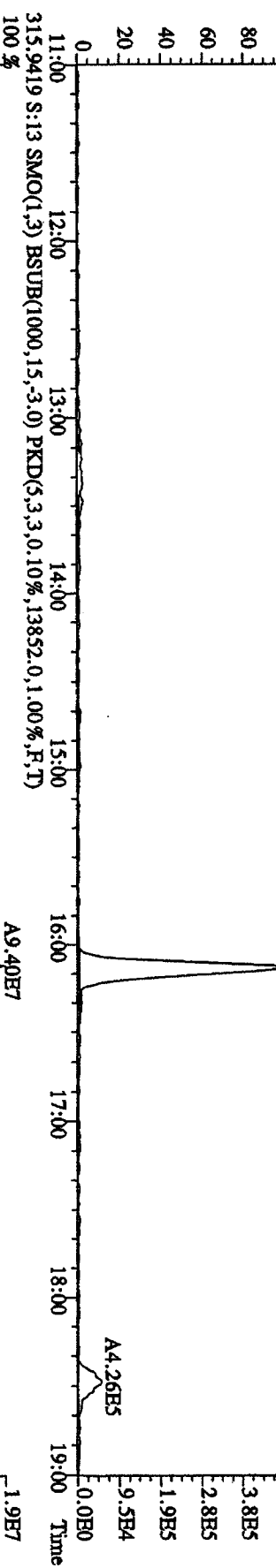
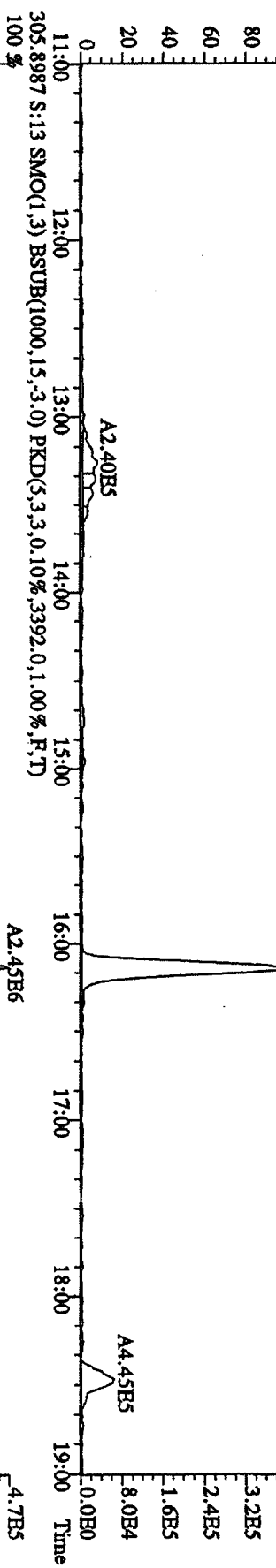
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:17:40 GC EI+ Voltage SIR 70SE
 Sample#14 Text:ST04211 :CSI 09DXN422 Exp:DIOXIN
 327.8840 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1780.0,1.00%,F,T) A6.59E5



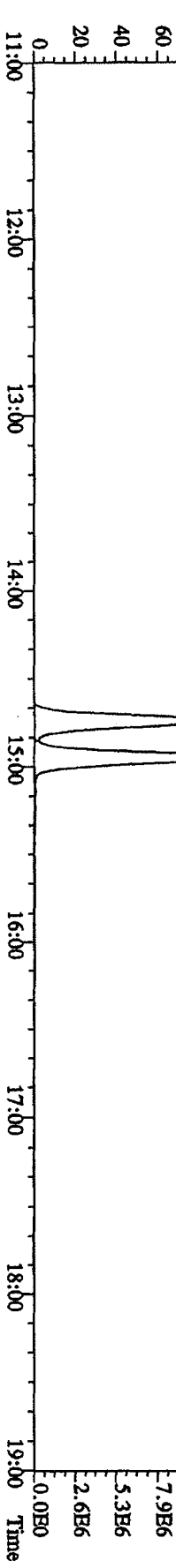
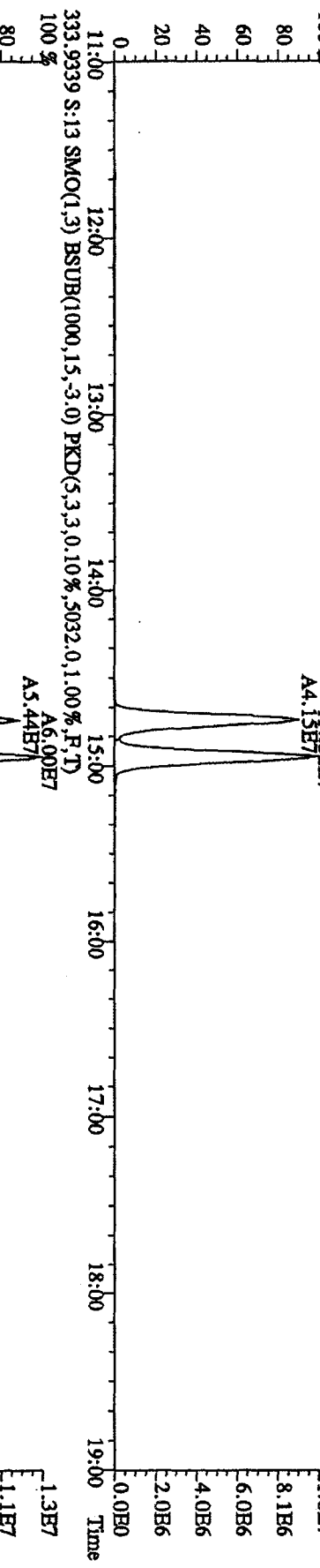
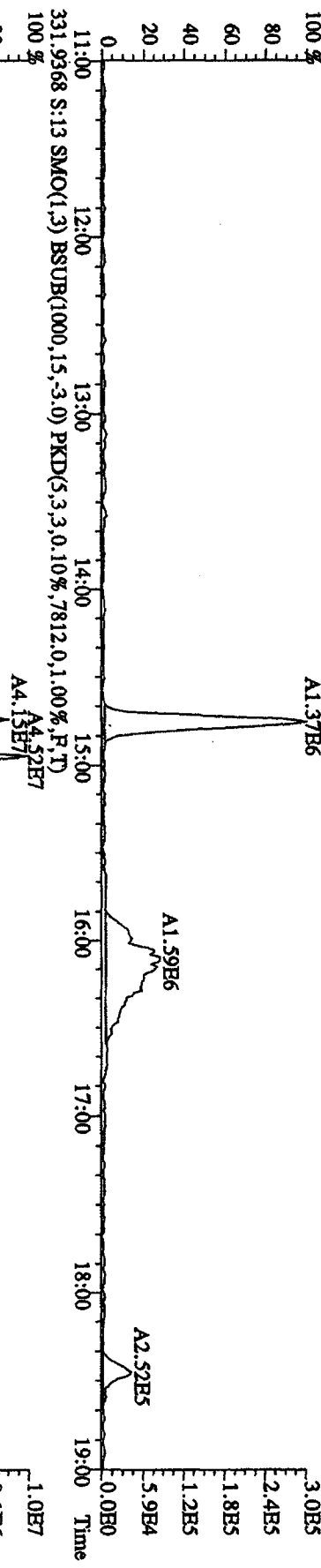
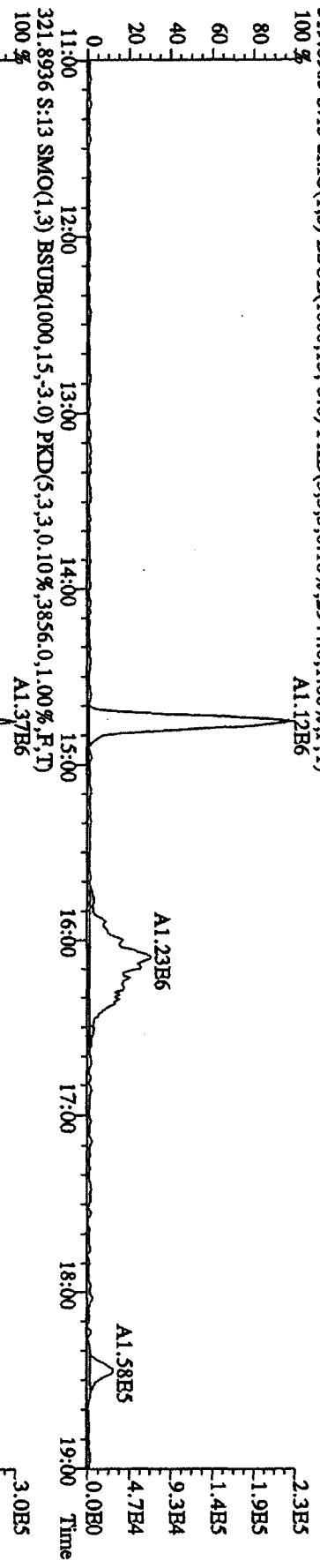
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 18:17:40 GC BI+ Voltage SIR 70SE
 Sample#14 Text: ST0421I :CS1 09DXN422 Exp: DIOXIN
 375.8364 S:14 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,1364.0,1.00%,F,T)
 100 %



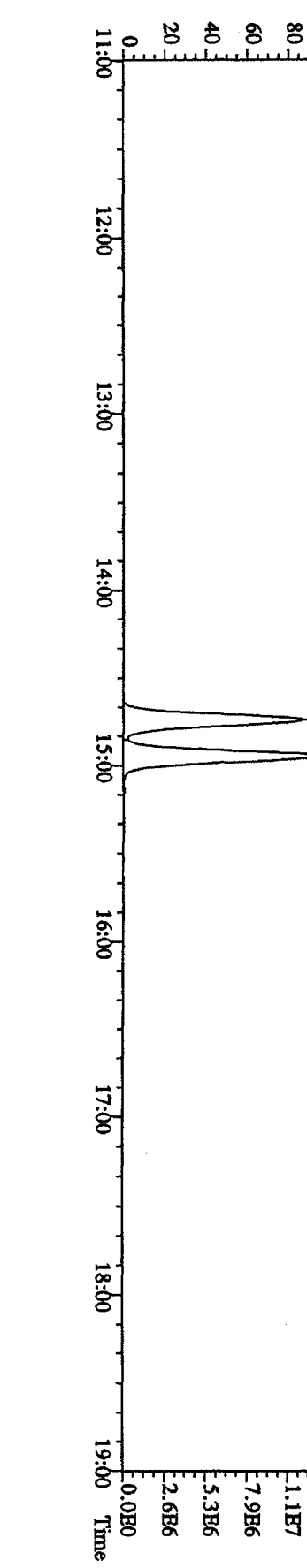
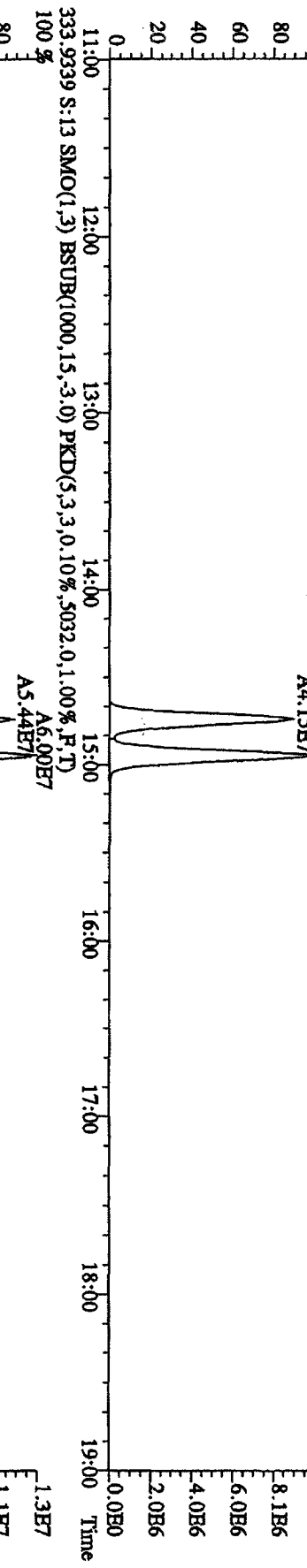
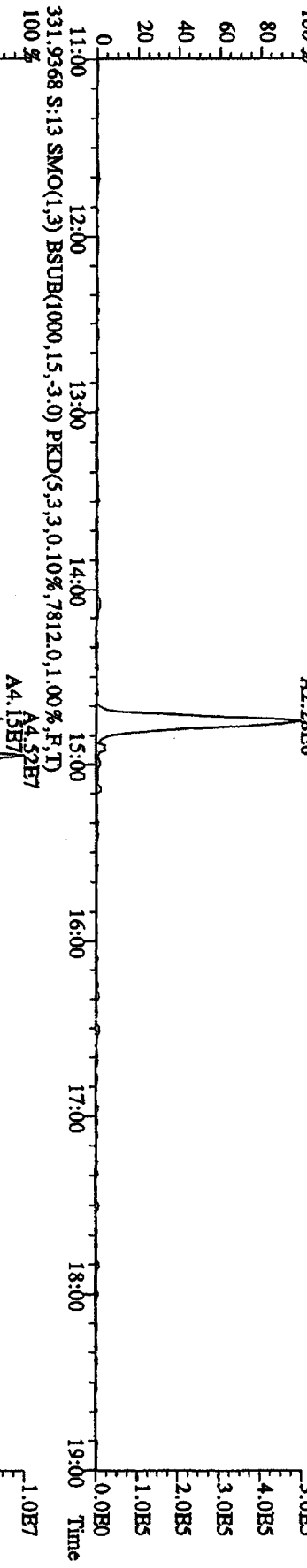
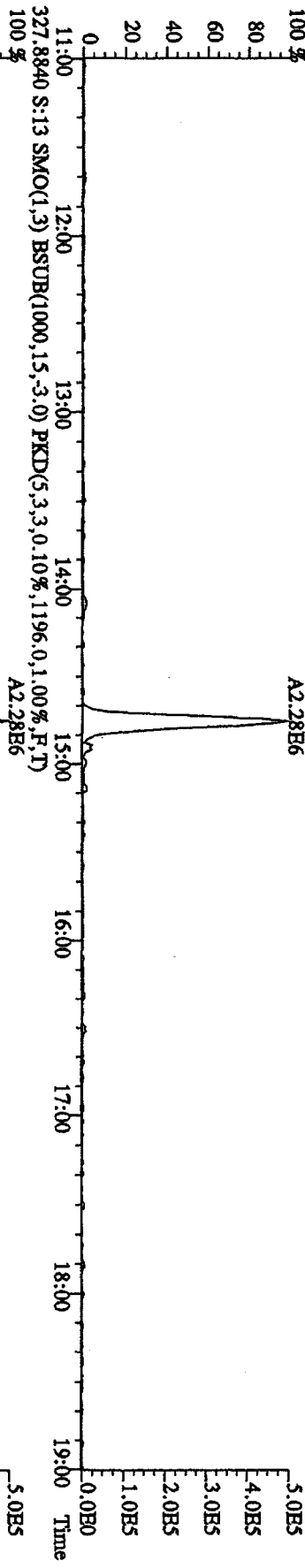
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC RI + Voltage SIR 70SE
 Sample#13 Text:ST042IH :CS2 09DXN423 Exp:DIOXIN
 303.9016 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3104.0,1.00%,F,T)
 100%



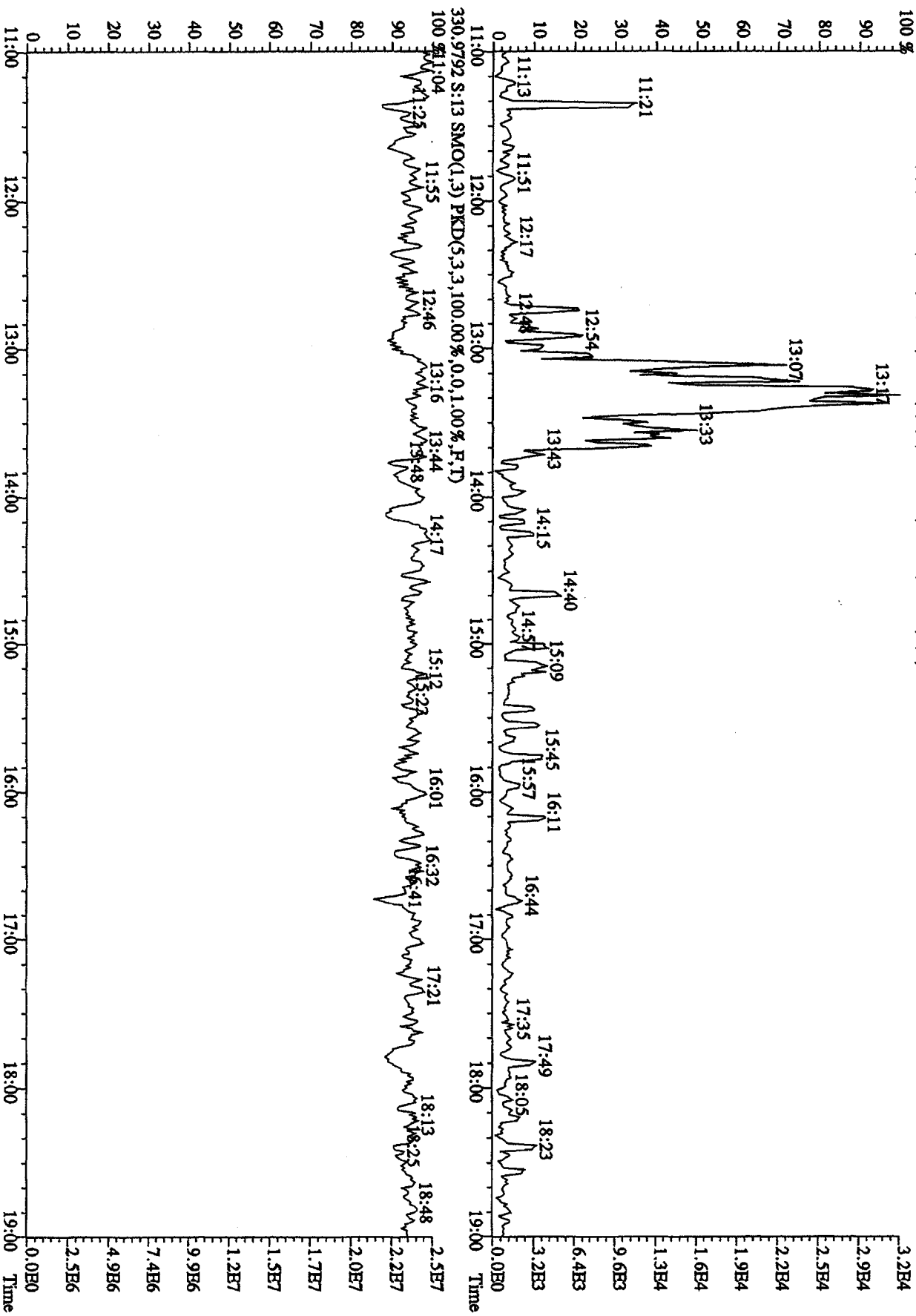
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:40:39 GC BI + Voltage SIR 70SE
 Sample#13 Text:ST0421H :CS2 09DXN423 Exp:DIOXIN
 319.8965 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2944,0,1,00%,F,T)
 100%



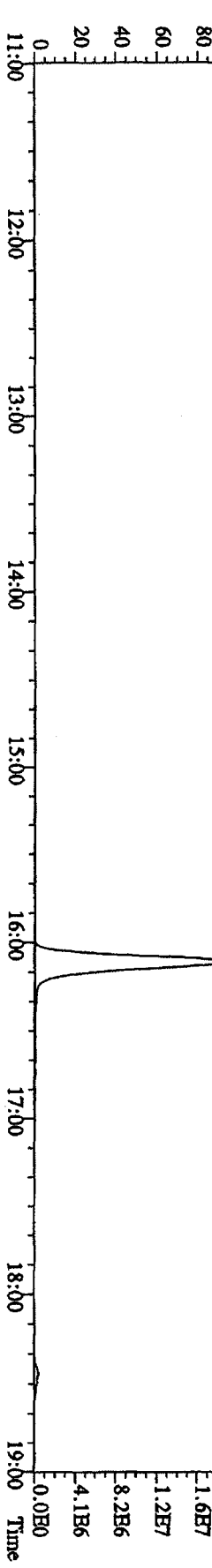
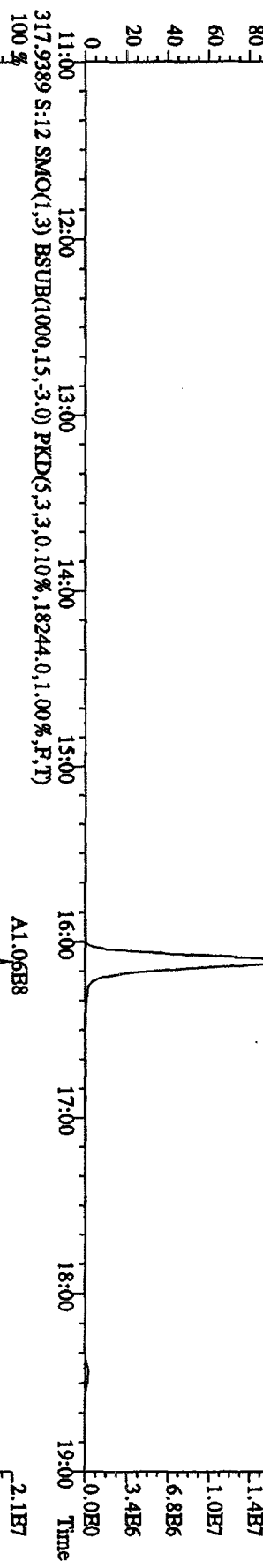
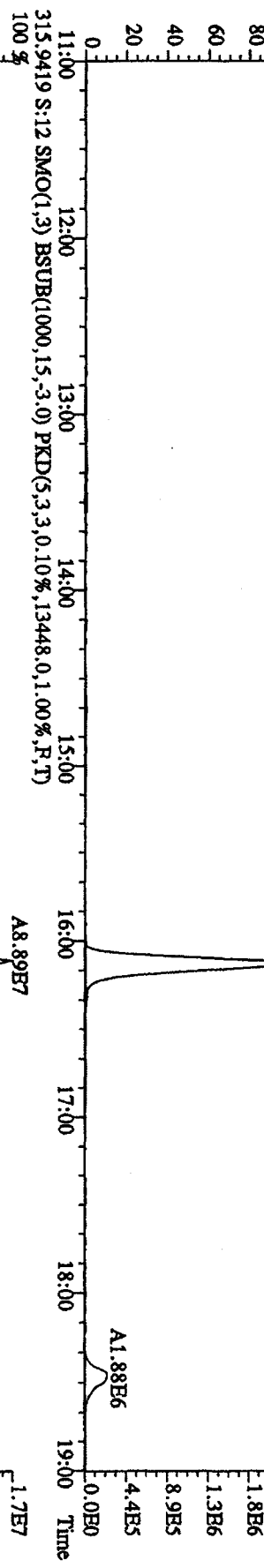
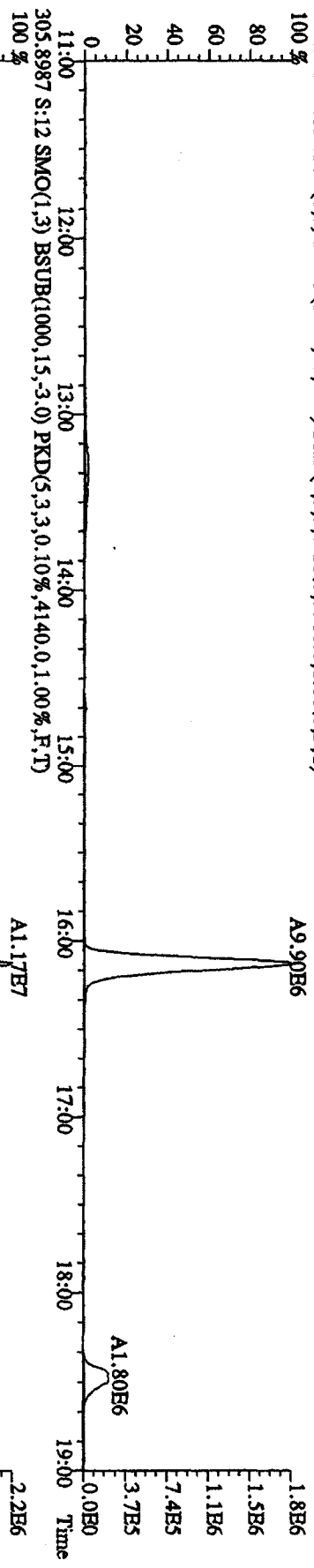
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 17:40:39 GC EI+ Voltage SIR 70SE
 Sample#13 Text: ST042IH :CS2 09DXN423 Exp: DIOXIN
 327.8840 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1196.0,1.00%,F,T)
 100% A2.28E6



File: 21AP105D2 #1-1242 Acq: 21-APR-2010 17:40:39 GC BI+ Voltage SIR 70SB
 Sample#13 Text: ST0421H : CS2 09DXN423 Exp: DIOXIN
 375.8364 S:13 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,100.00%,1368.0,1.00%,F,T)



File:21AP10SD2 #1-1242 Acq:21-APR-2010 17:03:38 GC EI+ Voltage SIR 70SE
 Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN
 303.9016 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.3360,0,1.00%,F,T) 100 %

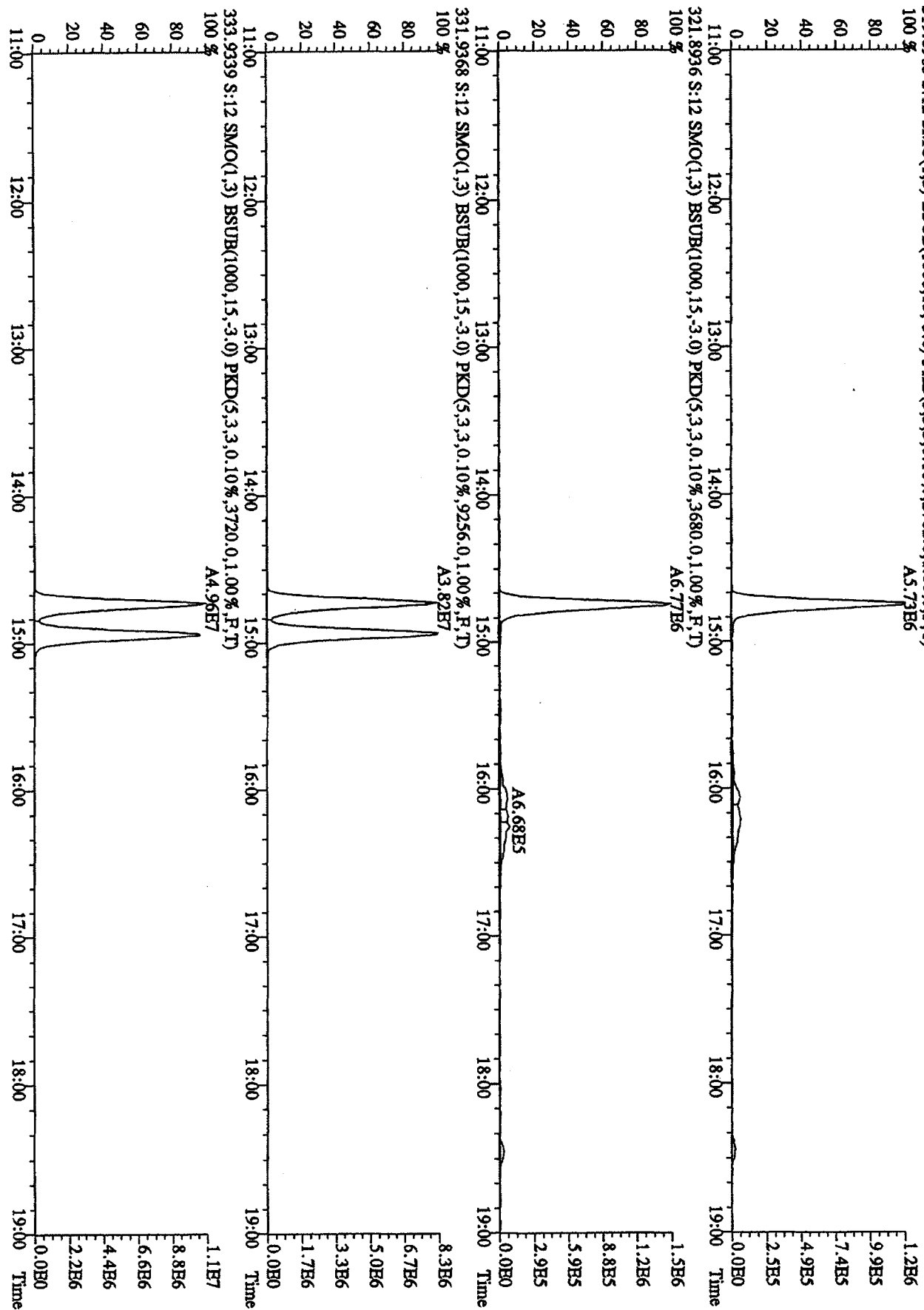


File: 21AP105D2 #1-1242 Acq: 21-APR-2010 17:03:38 GC EI+ Voltage SIR 705E
 Sample#12 Text: ST0421G :CS3 10DXN111 Exp: DIOXIN
 319.8965 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2712.0,1.00%,F,T)
 100% A5.73E6

321.8936 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3680.0,1.00%,F,T)
 100% A6.77E6

331.9368 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9256.0,1.00%,F,T)
 100% A3.82E7

333.9339 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3720.0,1.00%,F,T)
 100% A4.96E7



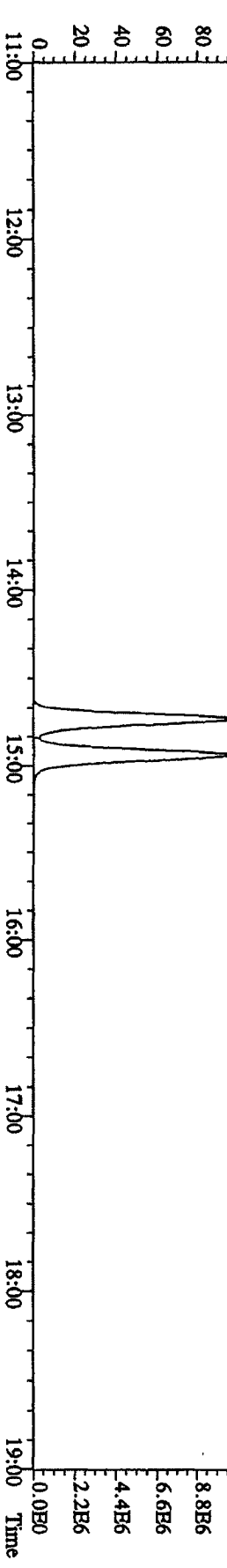
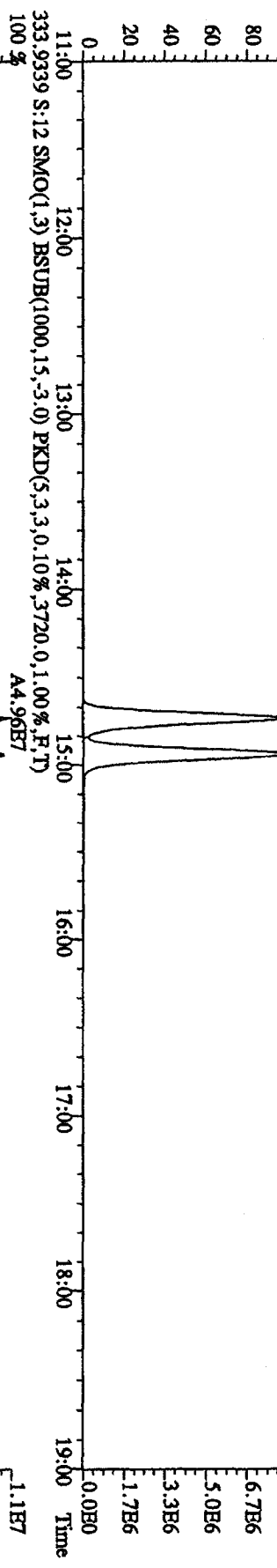
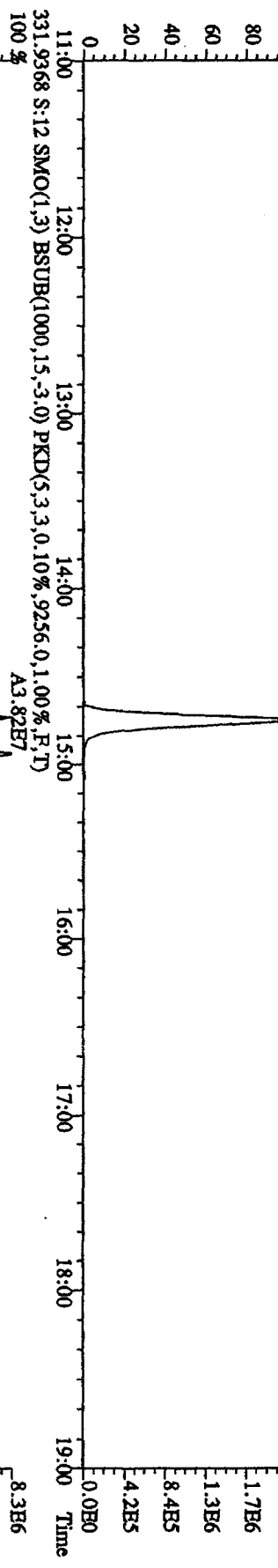
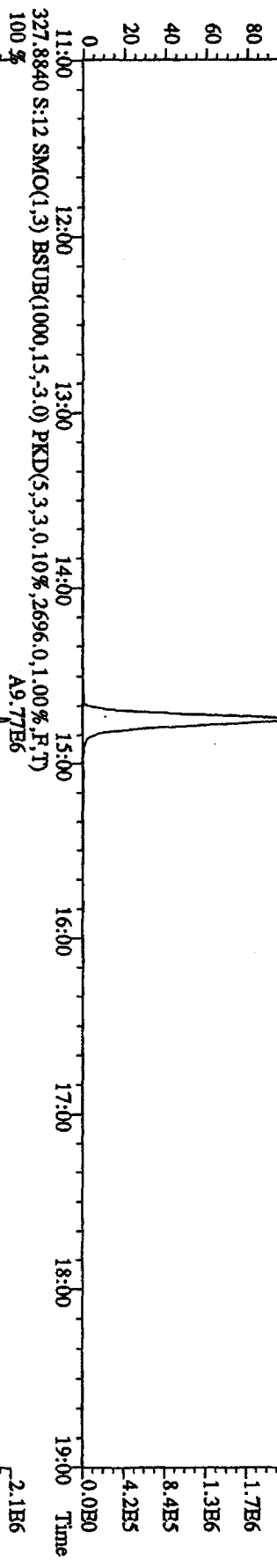
1.2B6
9.9B5
7.4B5
4.9B5
2.5B5

1.5B6
1.2B6
8.8B5
5.9B5
2.9B5

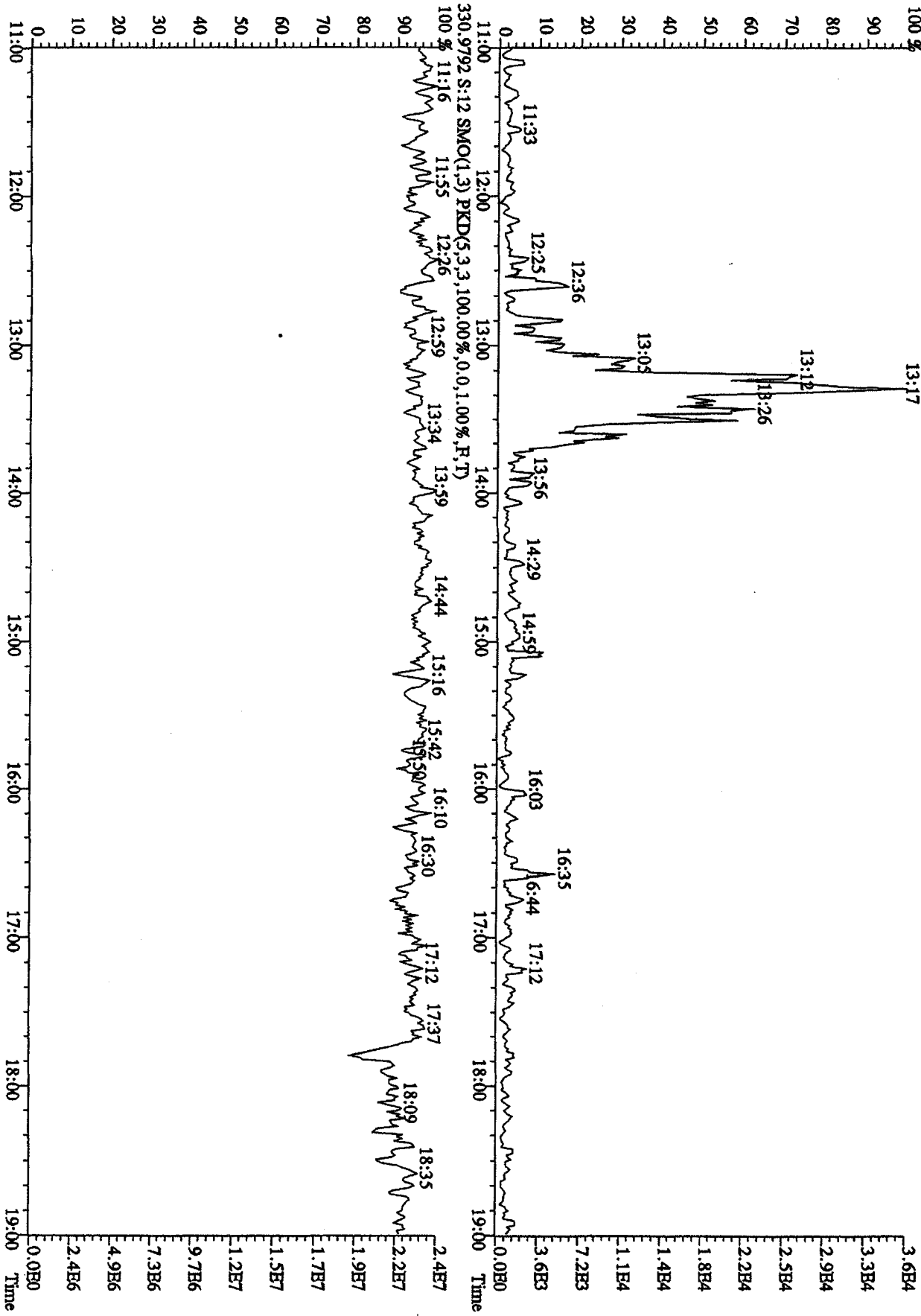
8.3B6
6.7B6
5.0B6
3.3B6
1.7B6

1.1E7
8.8B6
6.6B6
4.4B6
2.2B6
0.0B0

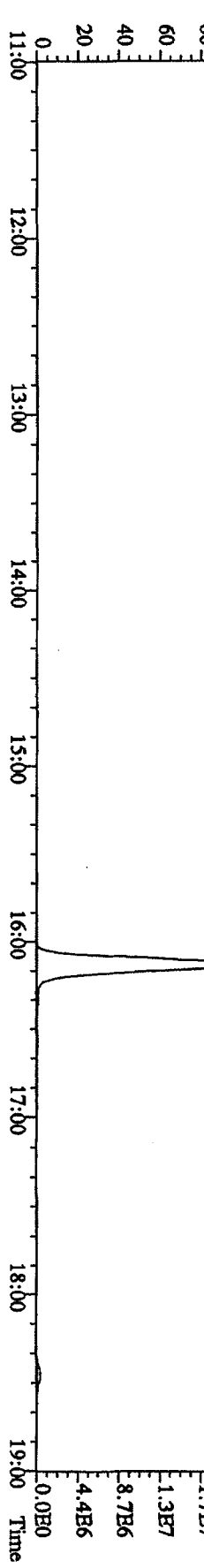
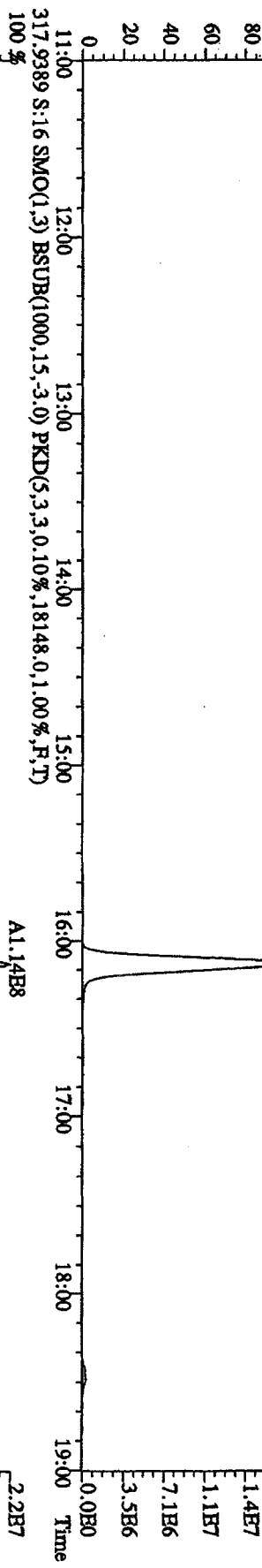
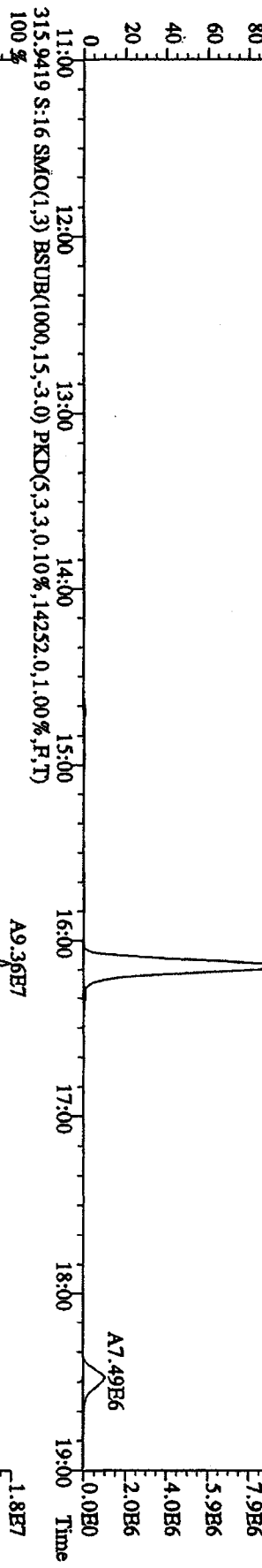
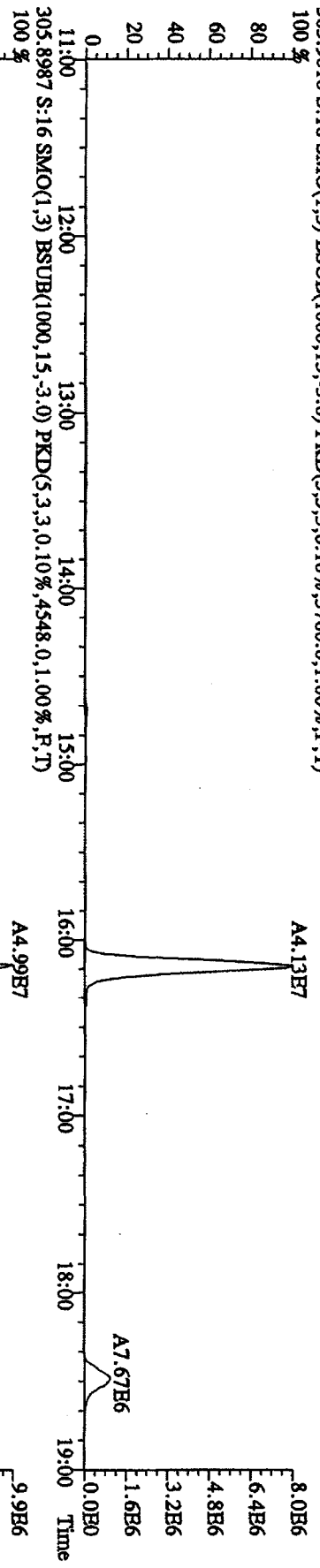
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 17:03:38 GC HI+ Voltage SIR 705E
 Sample#12 Text: ST0421G :CS3 10DXN111 Exp: DIOXIN
 327.8840 S:12 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2696,0,1,00%,F,T)
 100% A9.77E6



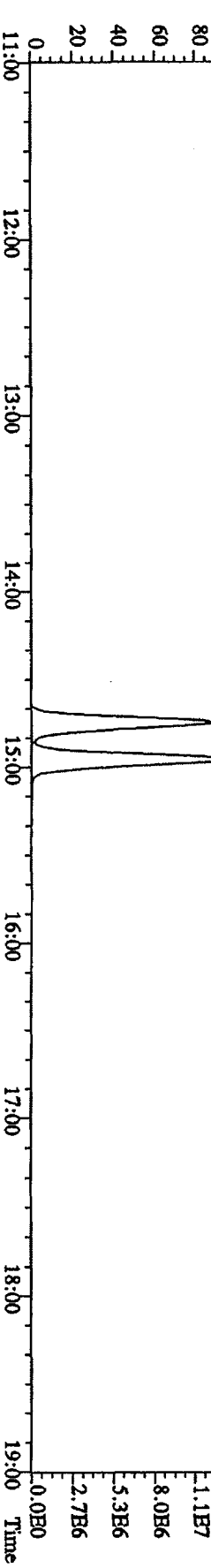
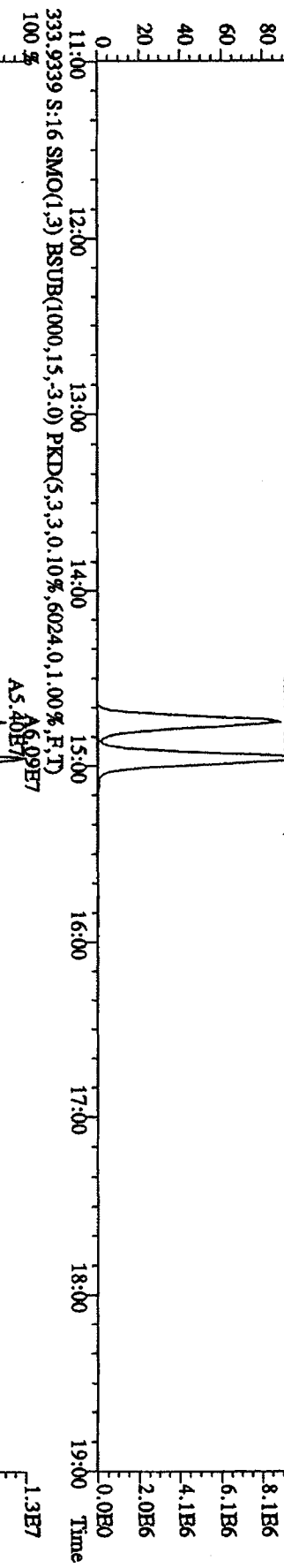
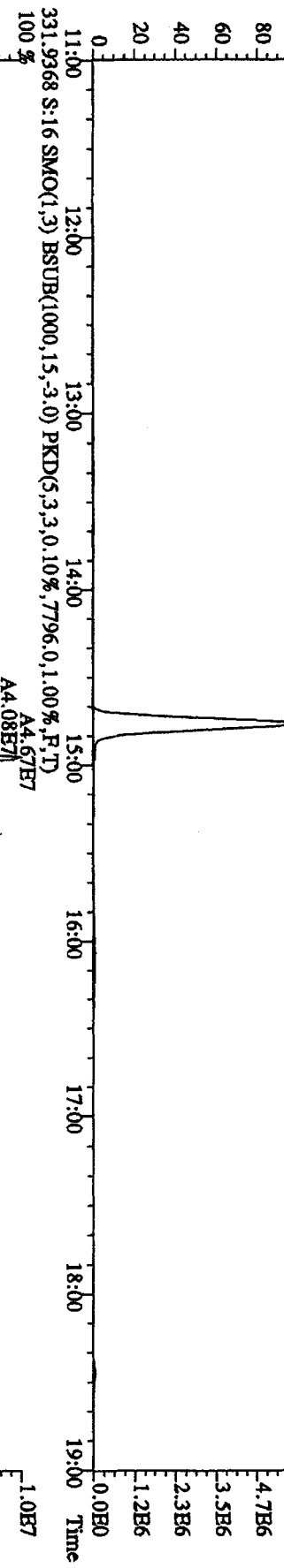
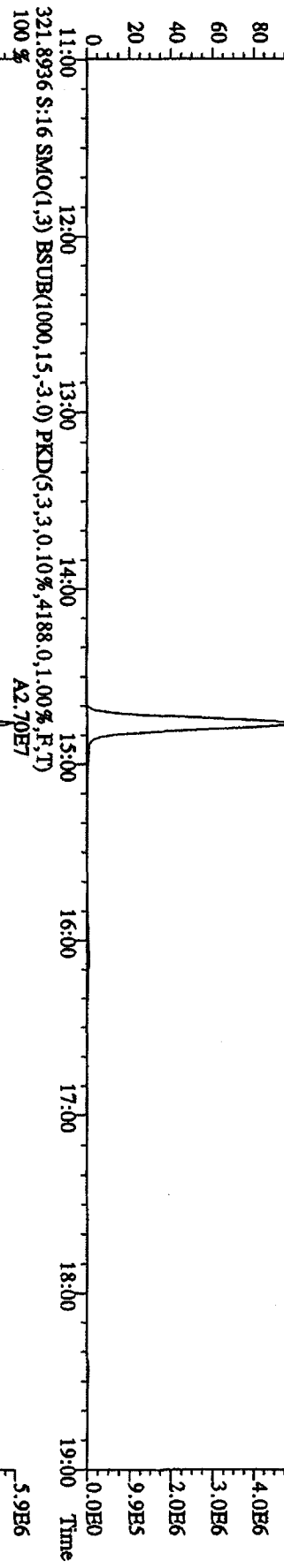
File:21AP105D2 #1-1242 Acq:21-APR-2010 17:03:38 GC:EI+ Voltage SIR 70SE
 Sample#12 Text:ST0421G :CS3 10DXN111 Exp:DIOXIN
 375.8364 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1.252,0.1,0.00%,F,T)
 100%



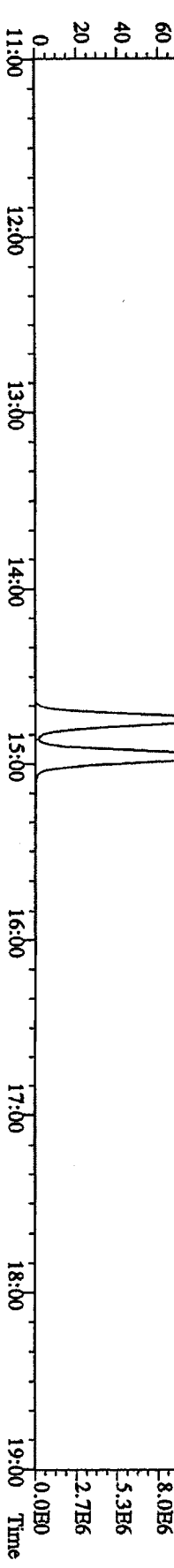
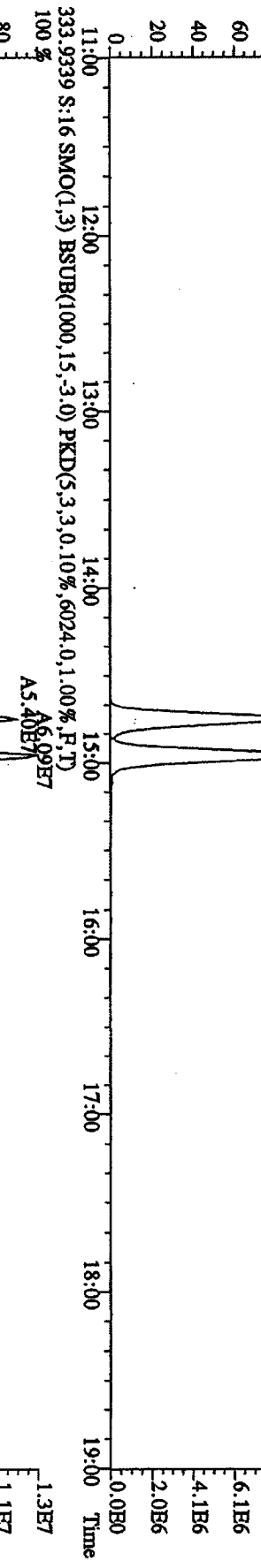
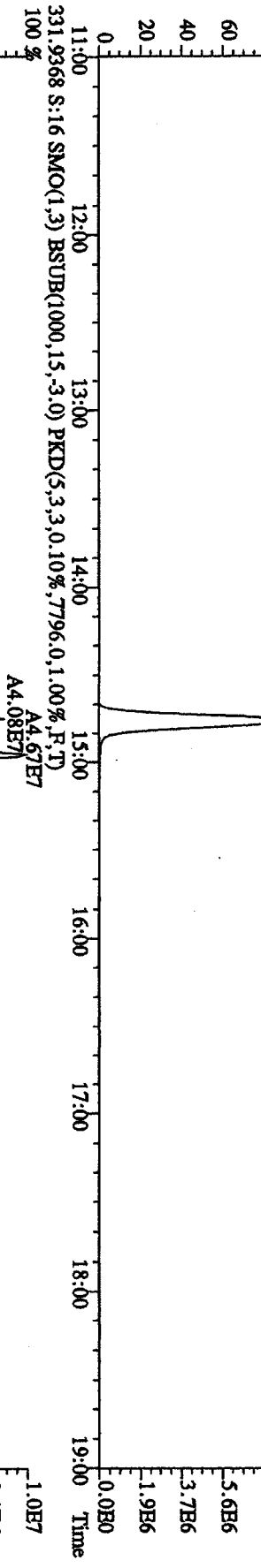
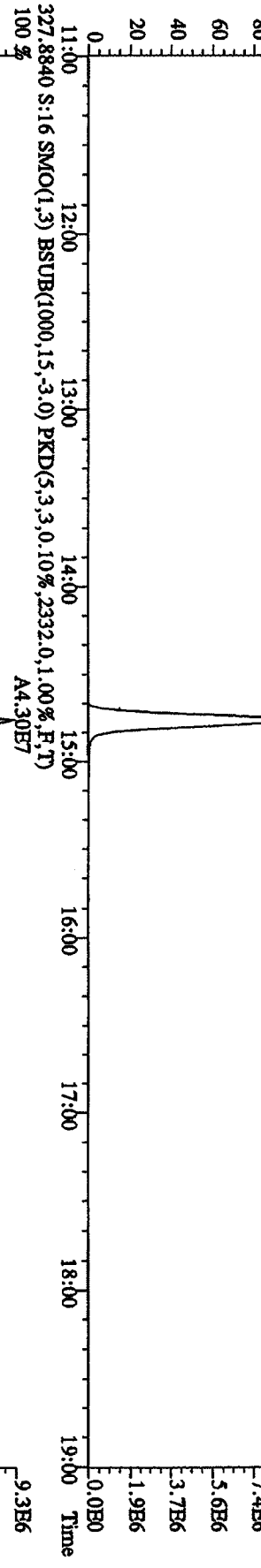
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SB
 Sample#16 Text: ST0421K :CS4 09DXN426 Exp: DIOXIN
 303.9016 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3760.0,1.00%,F,T)



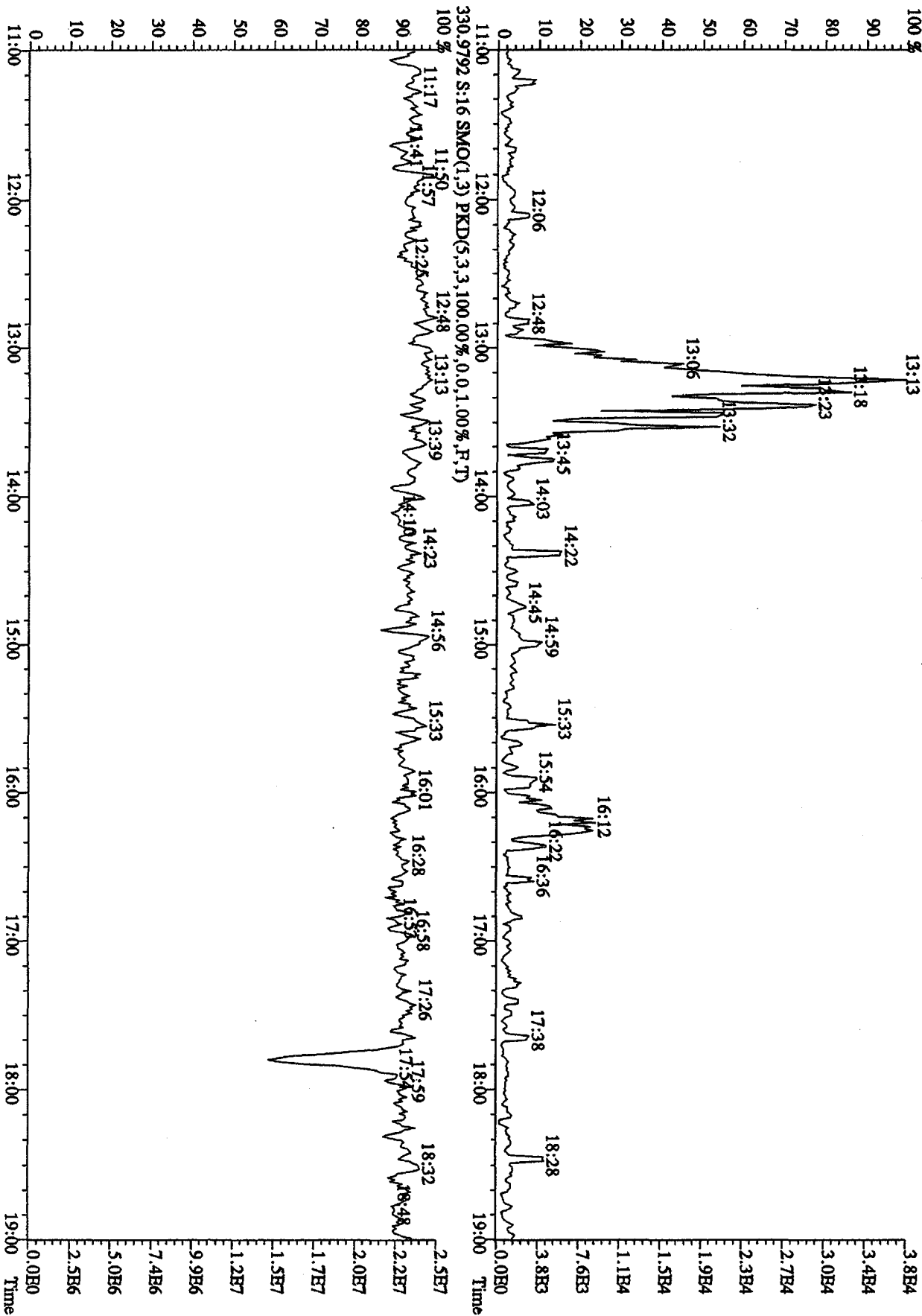
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SE
 Sample#16 Text: ST0421K :CS4 09DXN426 Exp: DIOXIN
 319.8965 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2888,0,1,00%,F,T)
 100% A2.29E7



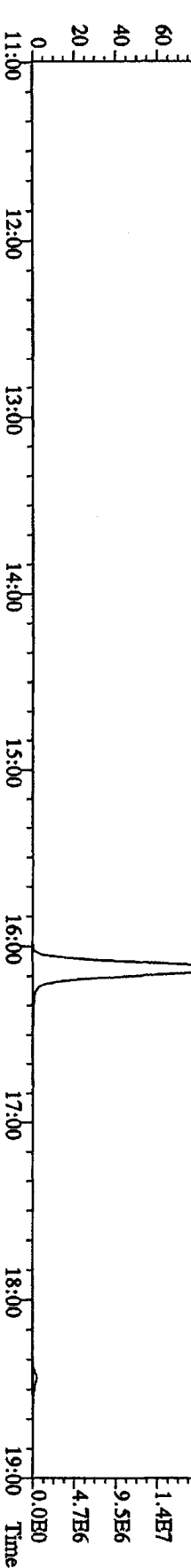
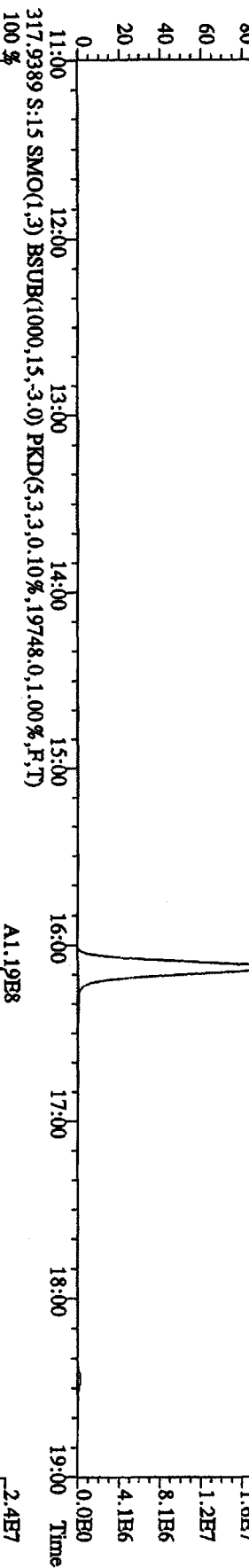
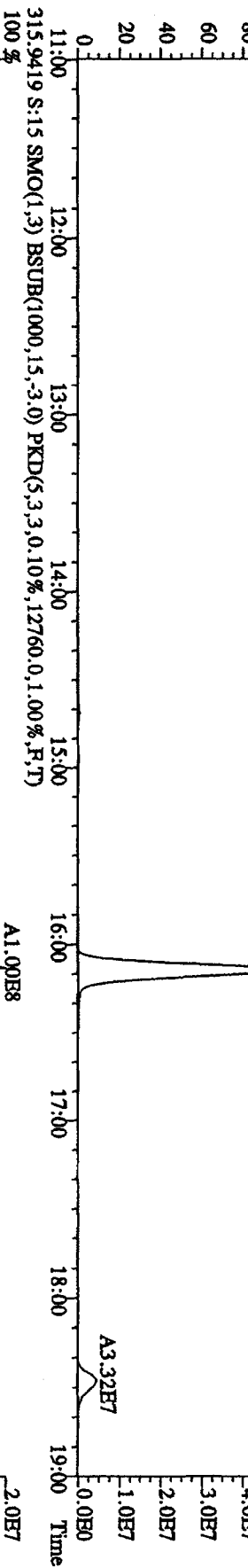
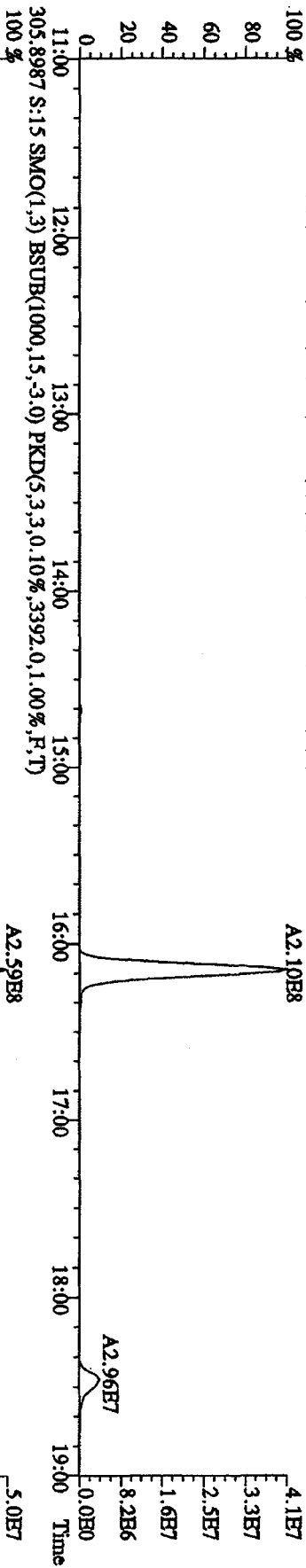
File:21AP105D2 #1-1242 Acq:21-APR-2010 19:31:45 GC EI+ Voltage SIR 70SB
 Sample#16 Text:ST0421K :CS4 09DXN426 Exp:DIOXIN
 327.8840 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2332,0.1,00%,F,T) A4.30E7
 100 %



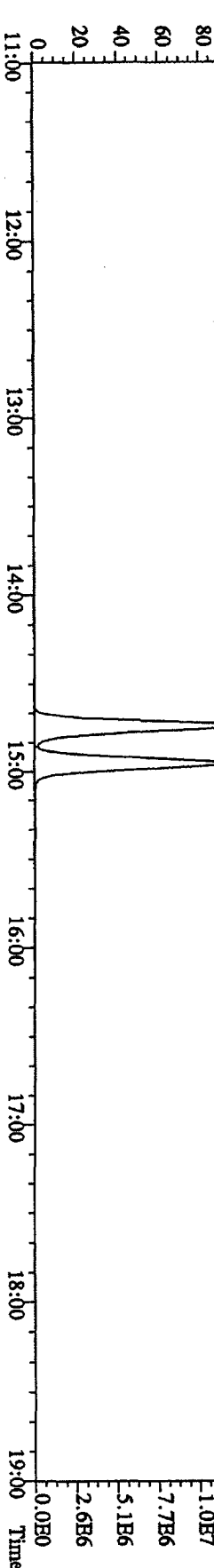
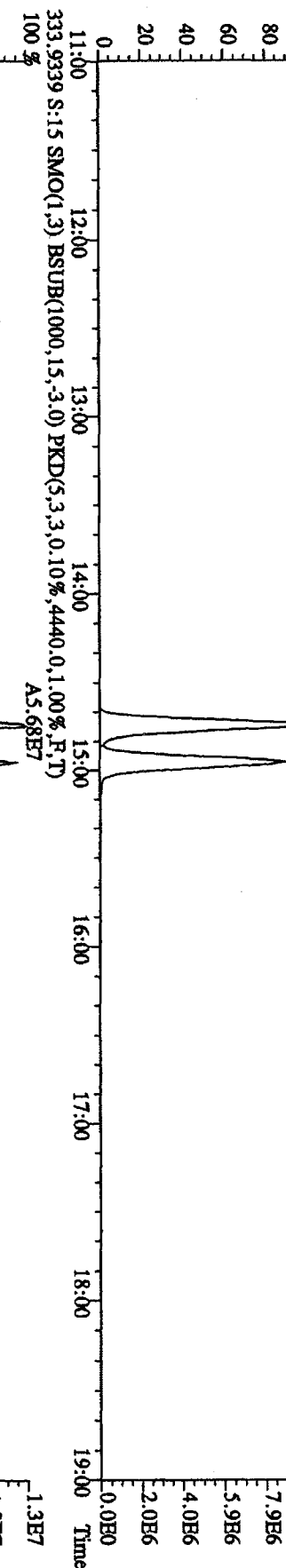
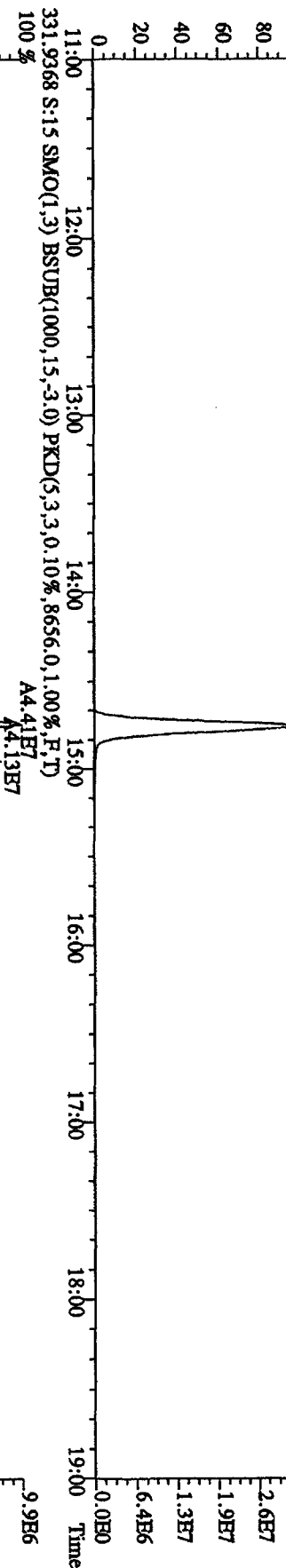
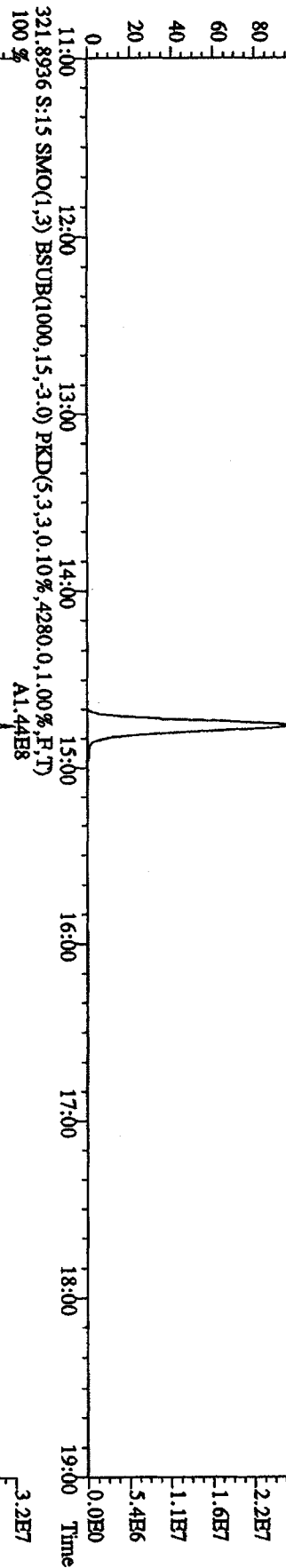
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 19:31:45 GC BF + Voltage SIR 70SE
 Sample#16 Text: ST0421K :CS4 09DXN426 Exp: DIOXIN
 375.8364 S:16 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,100.00%,1368.0,1.00%,F,T)
 13:13



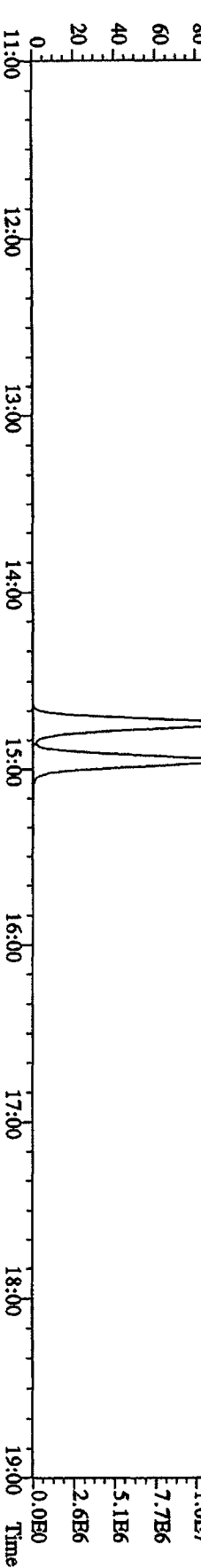
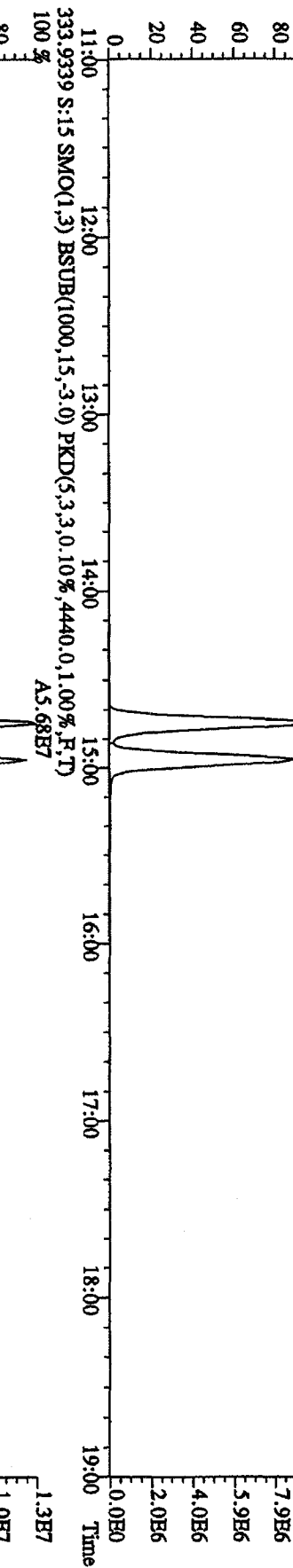
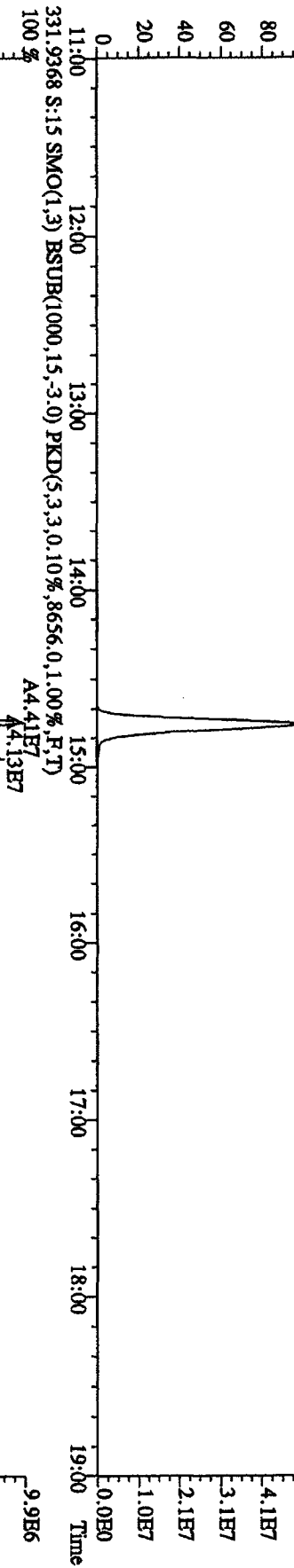
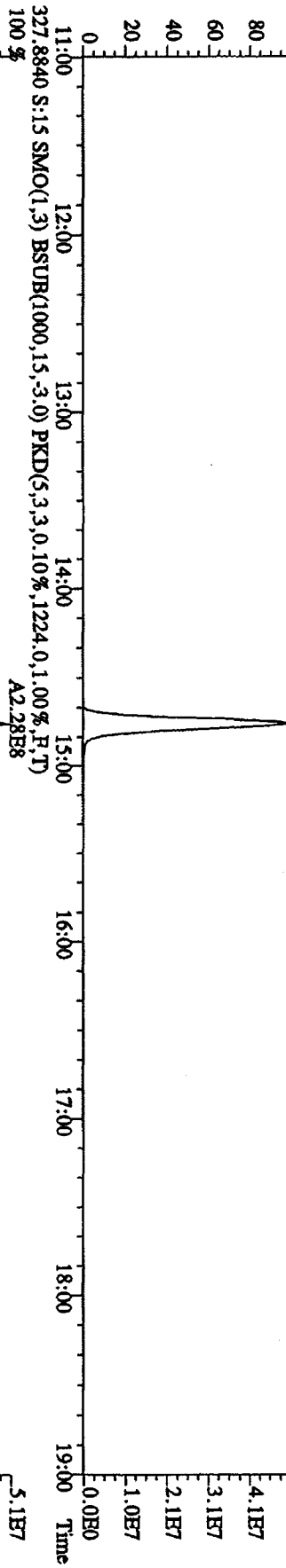
File: 21AP105FD2 #1-1242 Acq: 21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
 Sample#15 Text: ST04211 :CSS 09DXN456 Exp: DIOXIN
 303.9016 S:15 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,4480,0.1,00%,F,T)
 100%



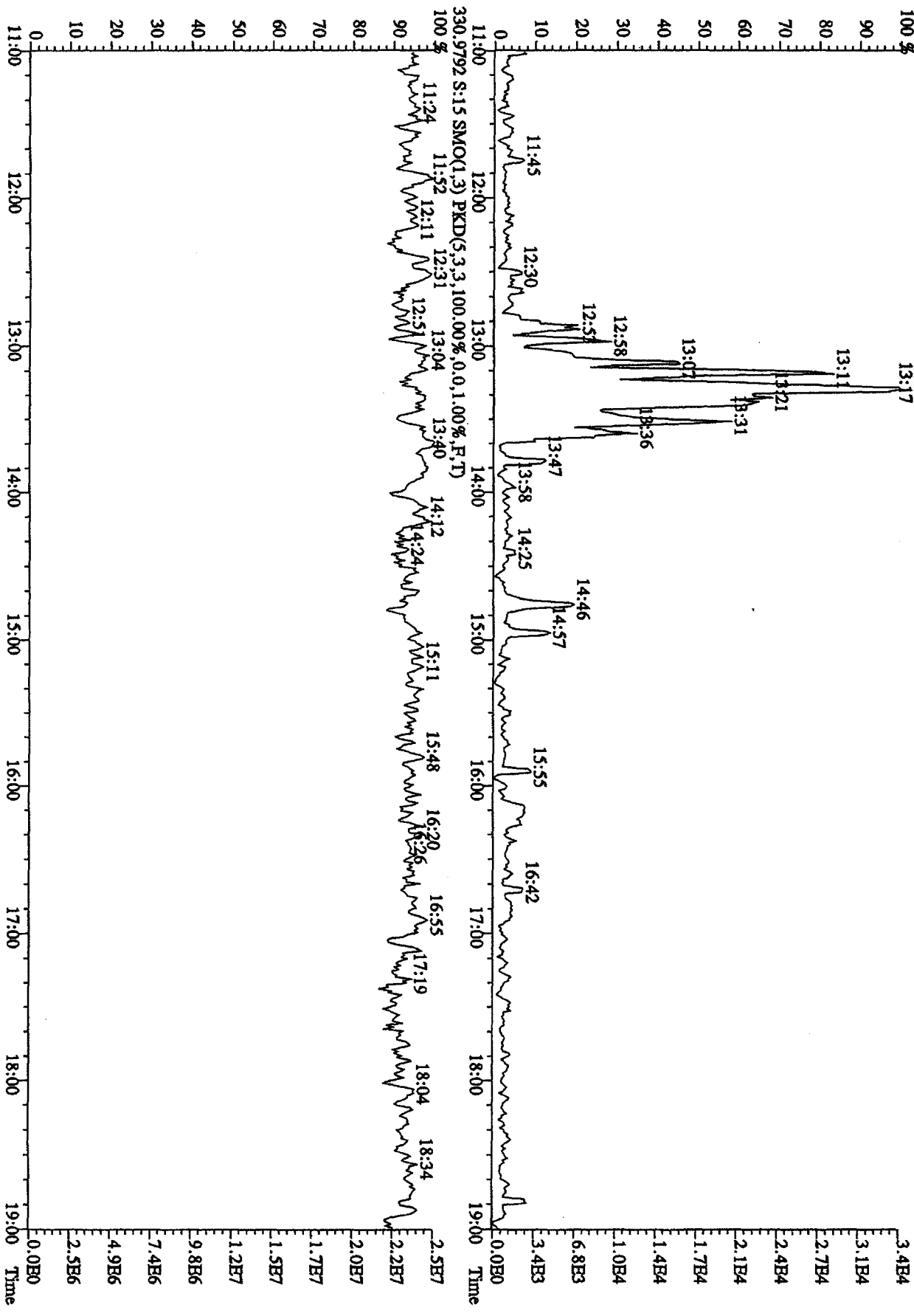
File:21AP105D2 #1-1242 Acq:21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
 Sample#15 Text:ST0421J :CSS 09DXM456 Exp:DIOXIN
 319.8965 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2688,0,1.00%,F,T)
 100 % A1.21E8



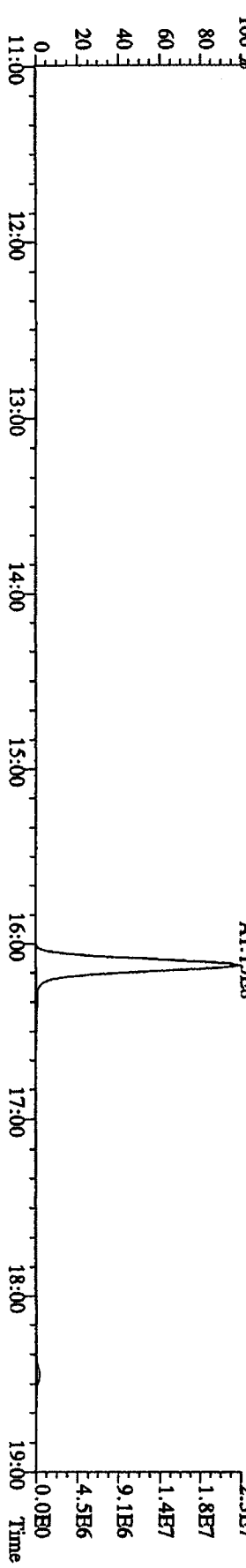
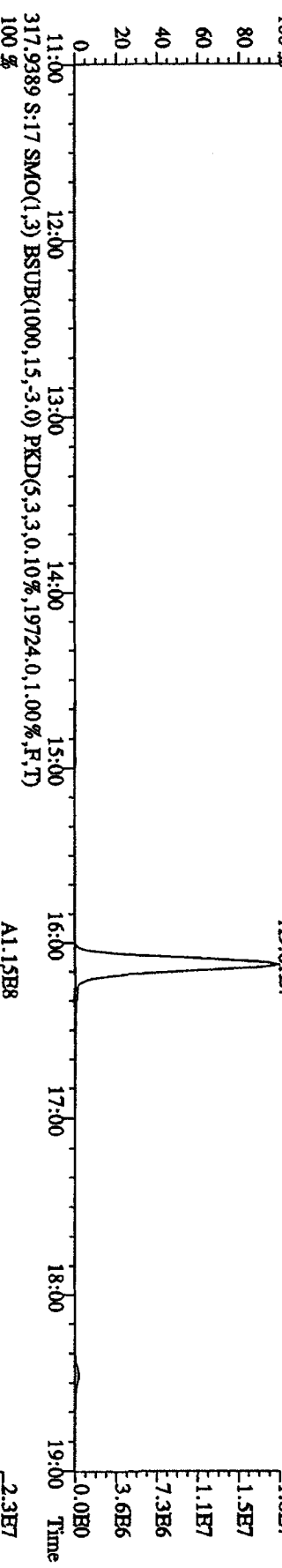
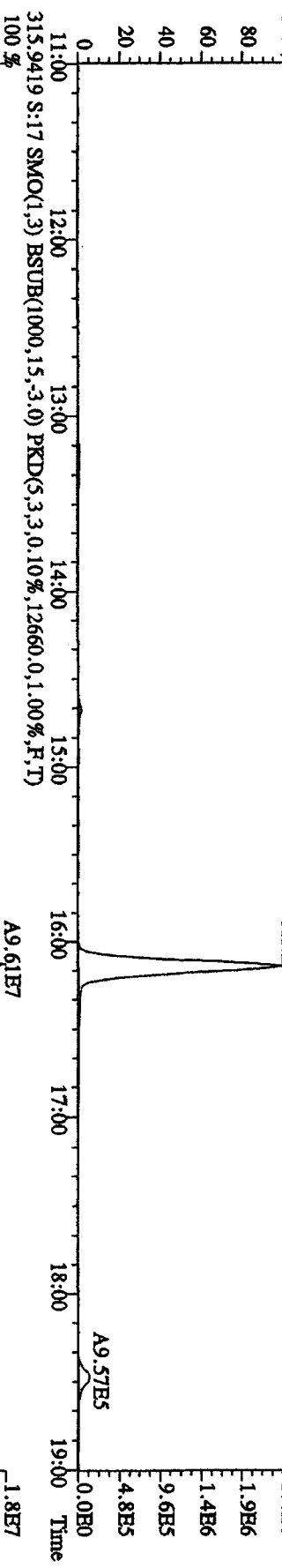
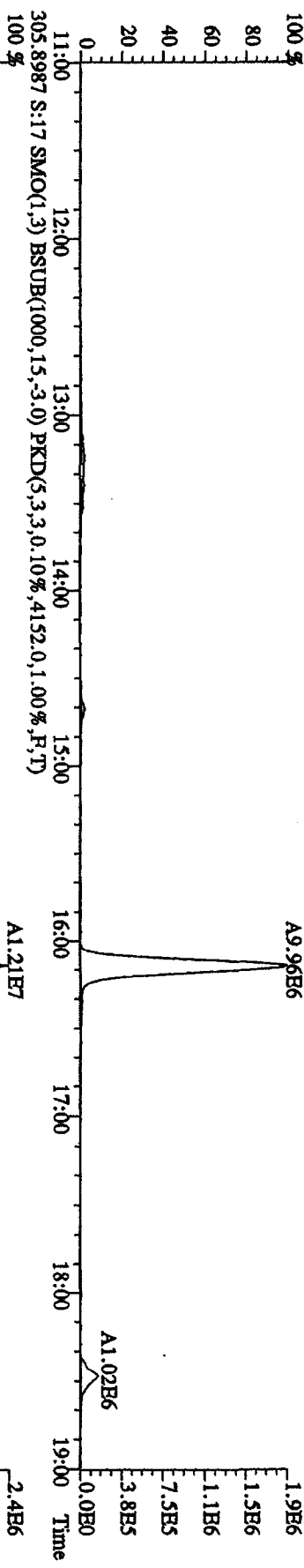
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 18:54:42 GC EI+ Voltage SIR 70SE
Sample#15 Text: STR04211 : CSS 09DXN456 Exp: DIOXIN
327.8840 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1224.0,1.00%,F,T)
100% A2.28E8



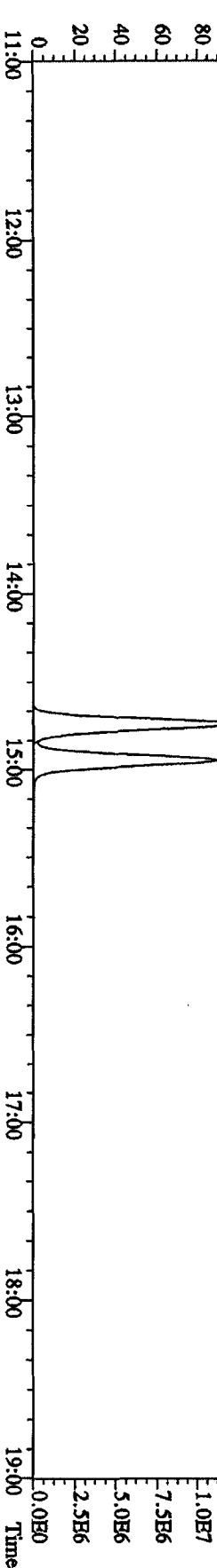
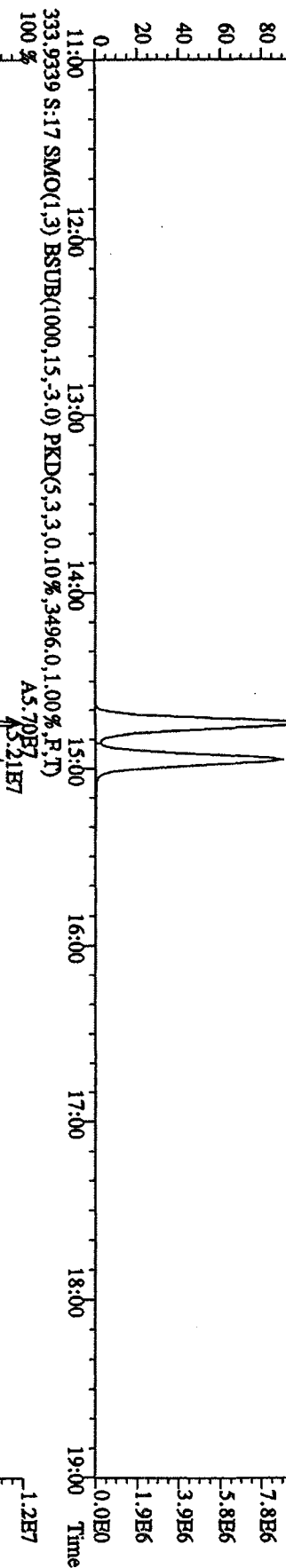
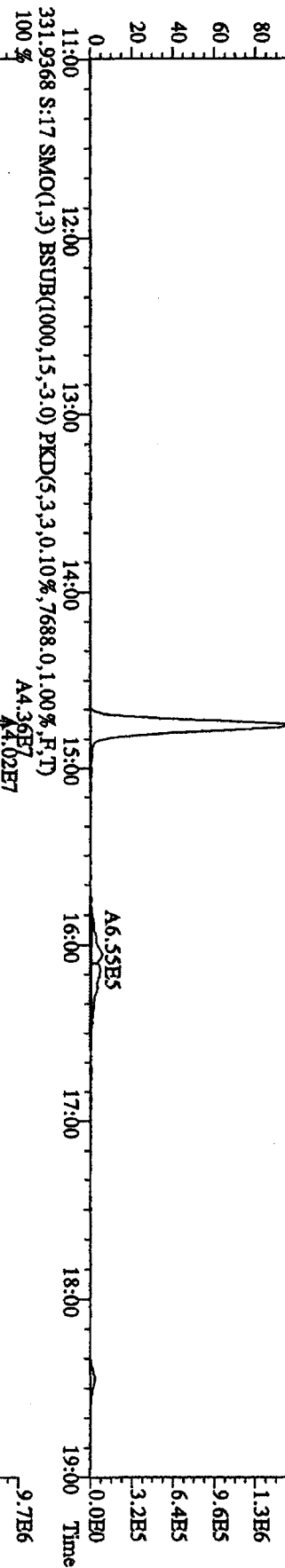
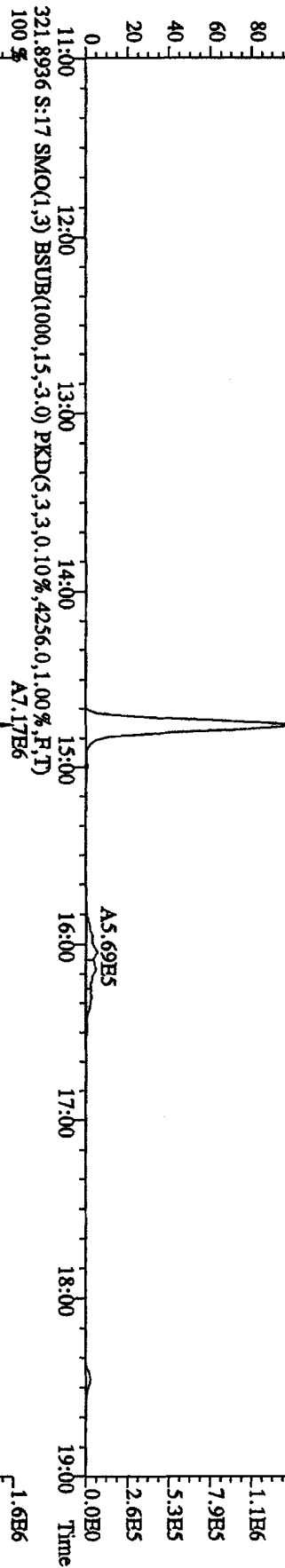
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 18:54:42 GC FI+ Voltage SIR 70SB
 Sample#15 Text: ST0421J :CSS 09DXN456 Exp: DIOXIN
 375.8364 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1288,0.1,0.0%,F,T)
 100 %



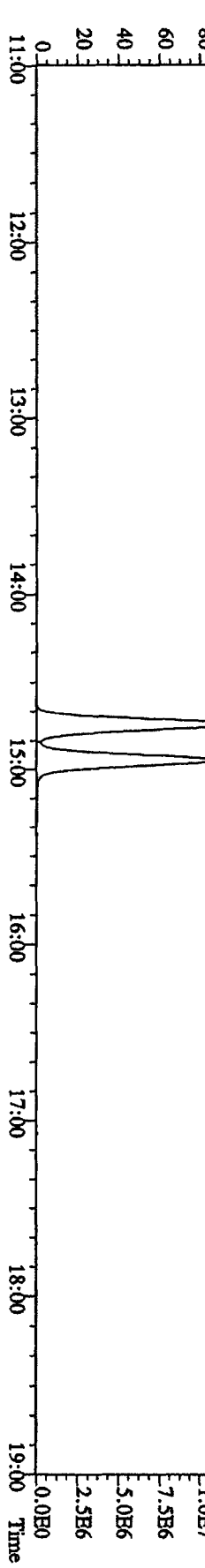
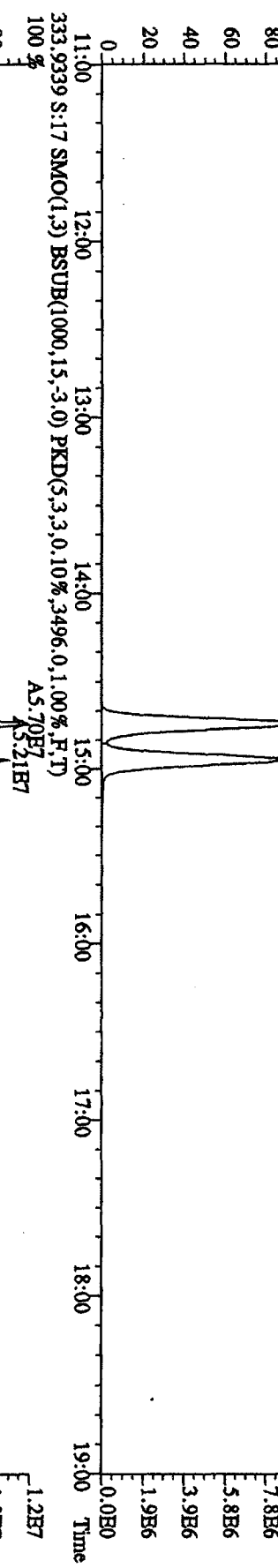
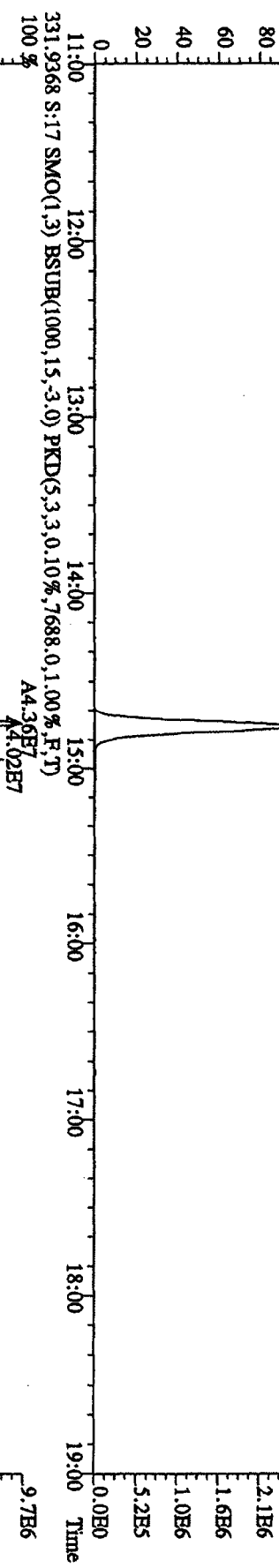
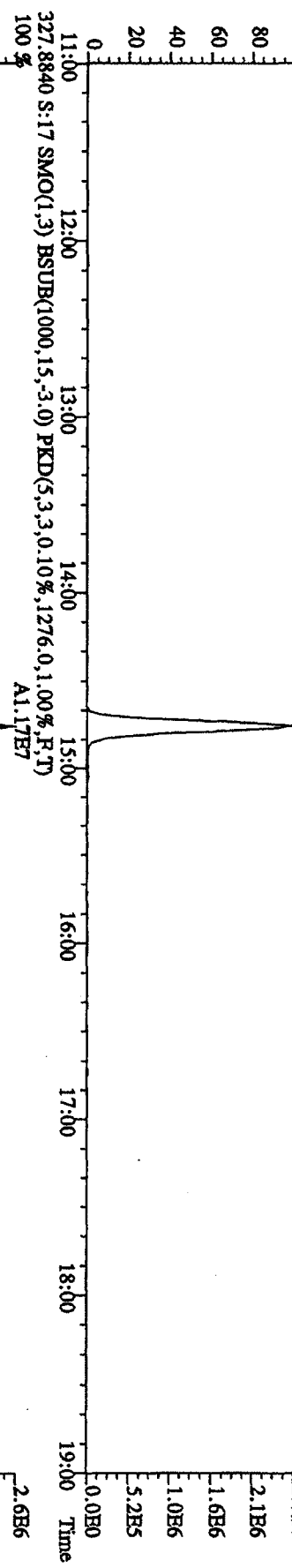
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
 Sample#17 Text:ST0421L 2nd Source 09DXN449 Exp:DI0XIN
 303.9016 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.3300,0,1.00%,F,T)



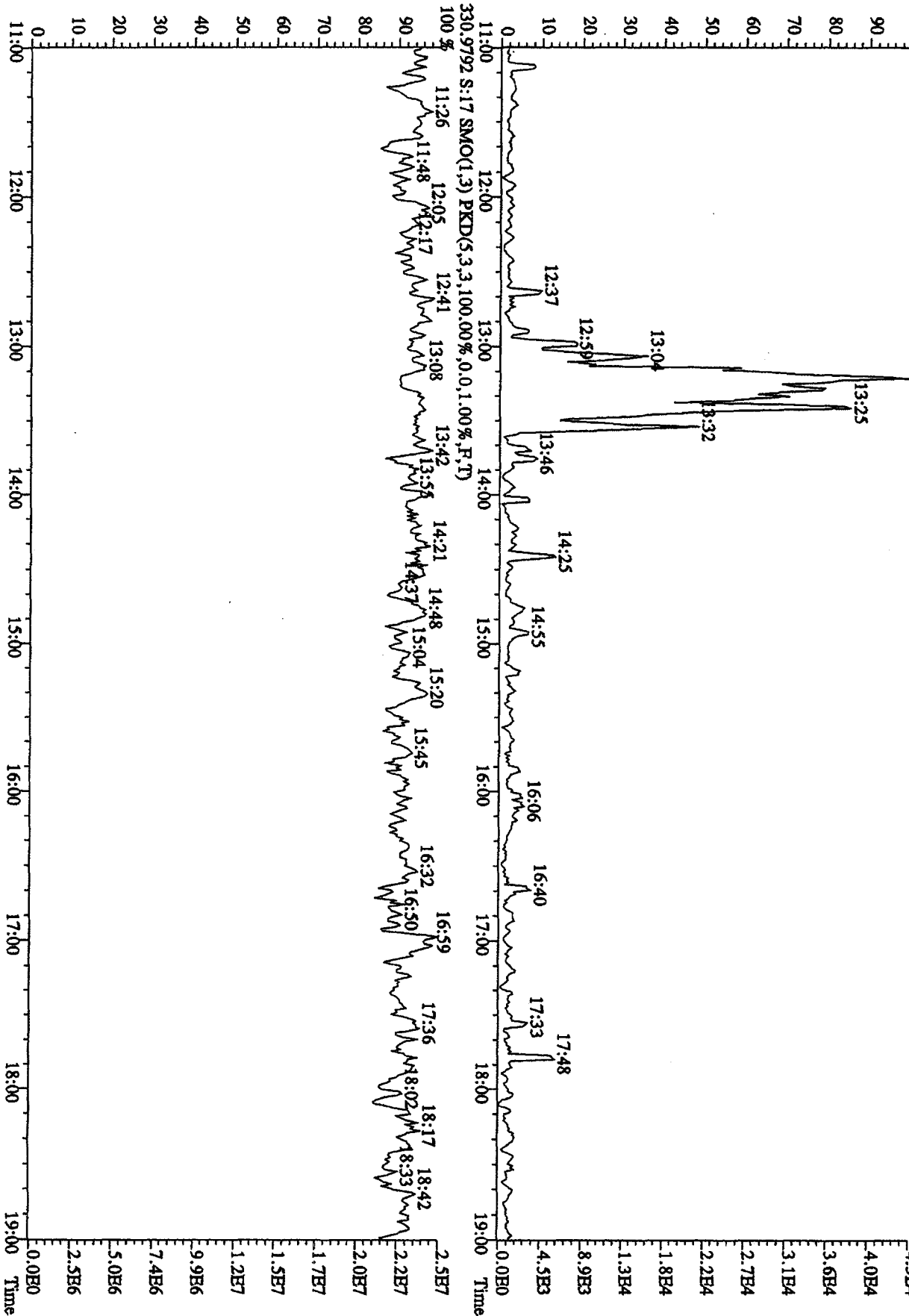
File:21API05D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
 Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DI0XTN
 319,8965 S:17 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3000,0,1,00%,F,T)
 100 % A5.99E6



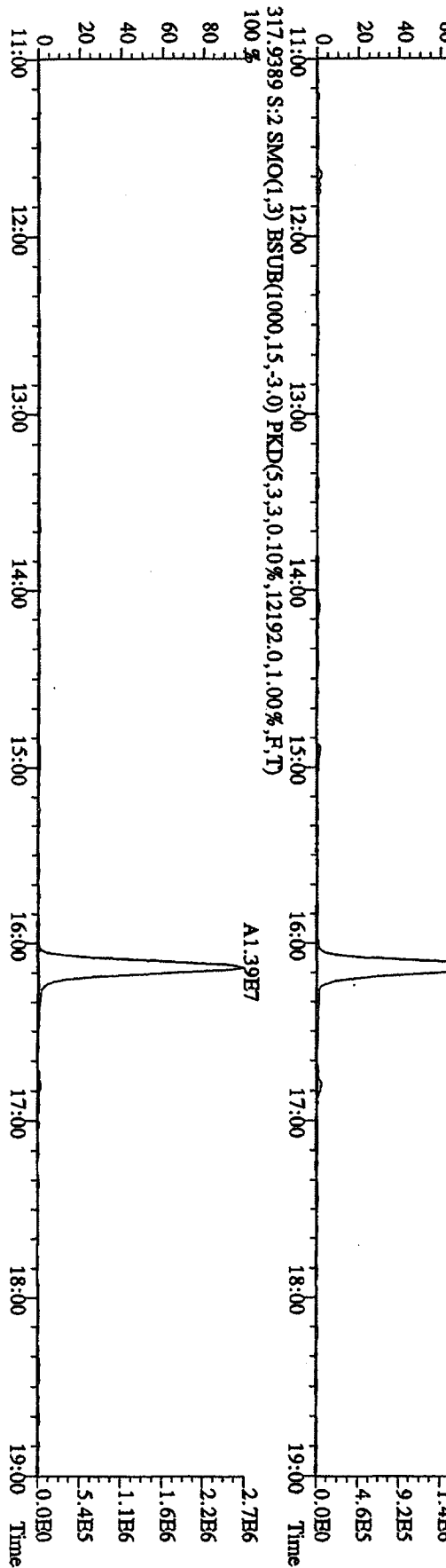
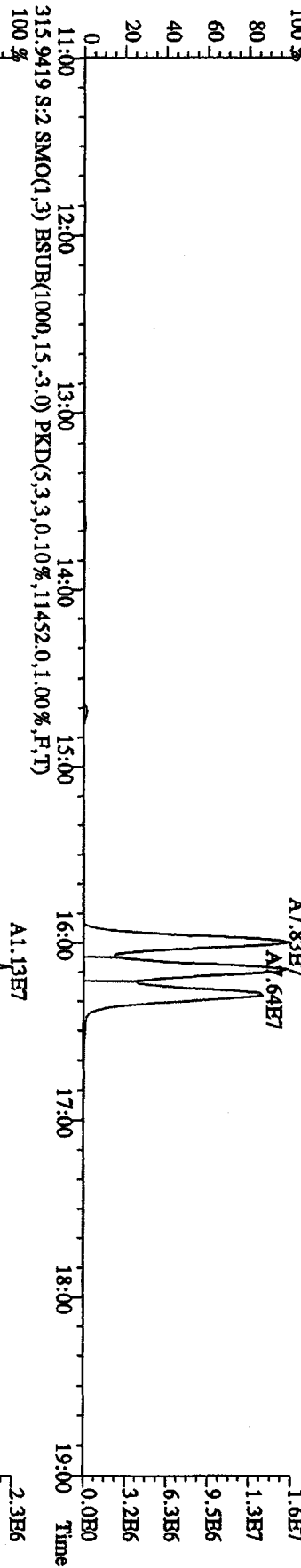
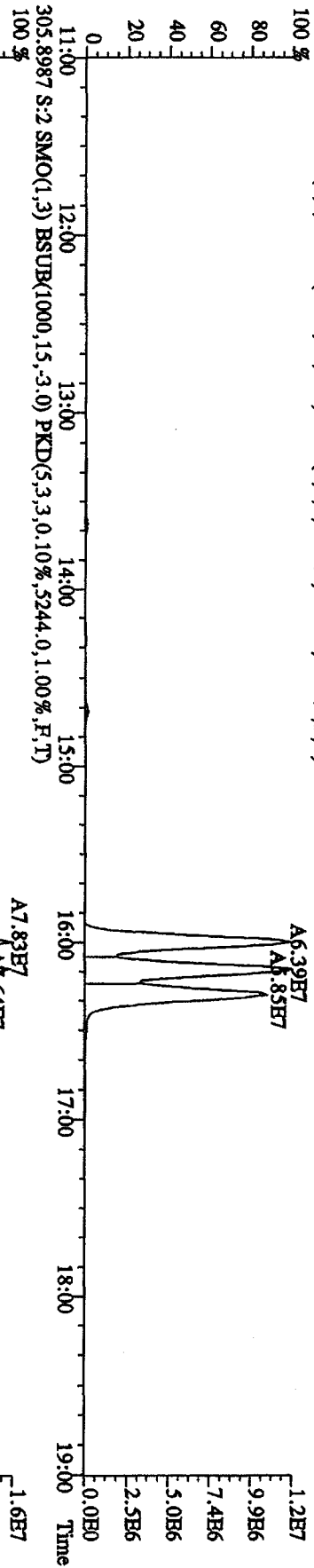
File:21AP105D2 #1-1241 Acq:21-APR-2010 20:08:50 GC EI+ Voltage SIR 70SE
 Sample#17 Text:ST0421L :2nd Source 09DXN449 Exp:DIOXIN
 327.8840 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)
 100% A1.17E7



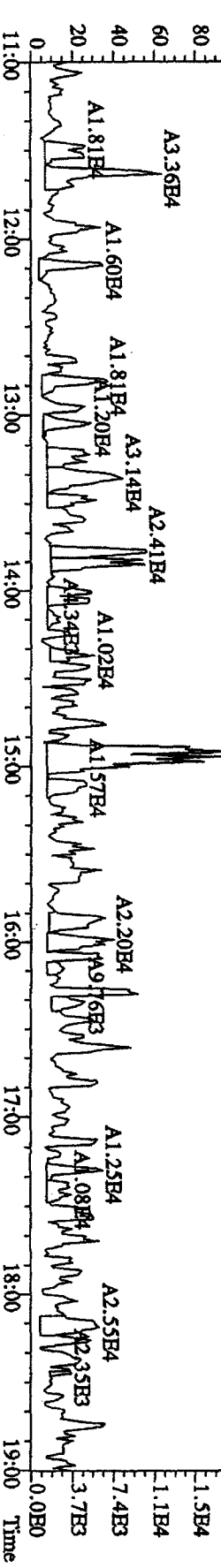
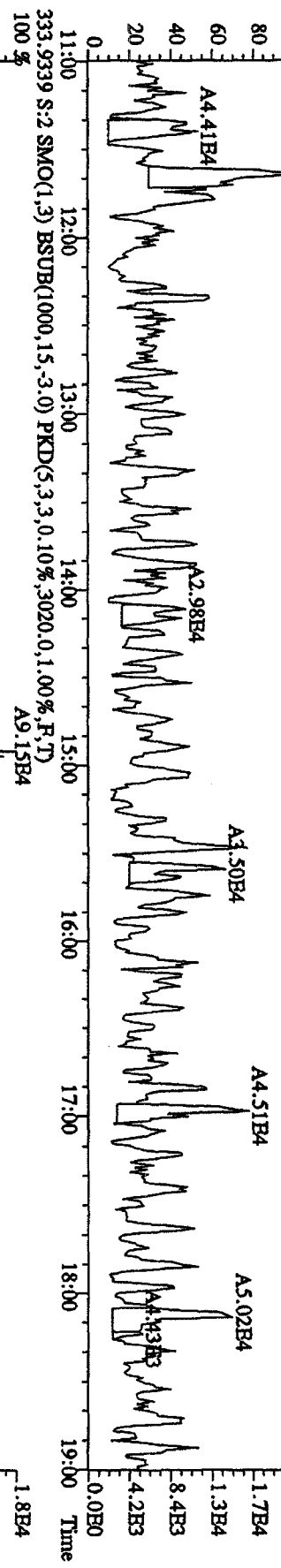
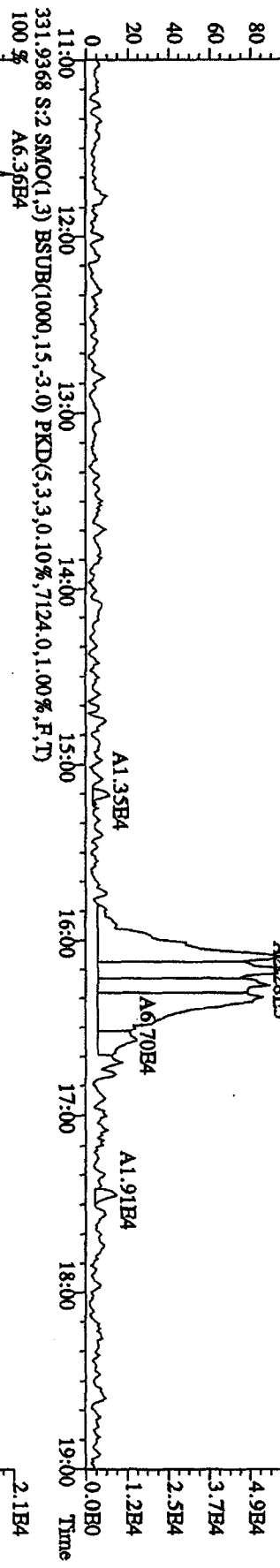
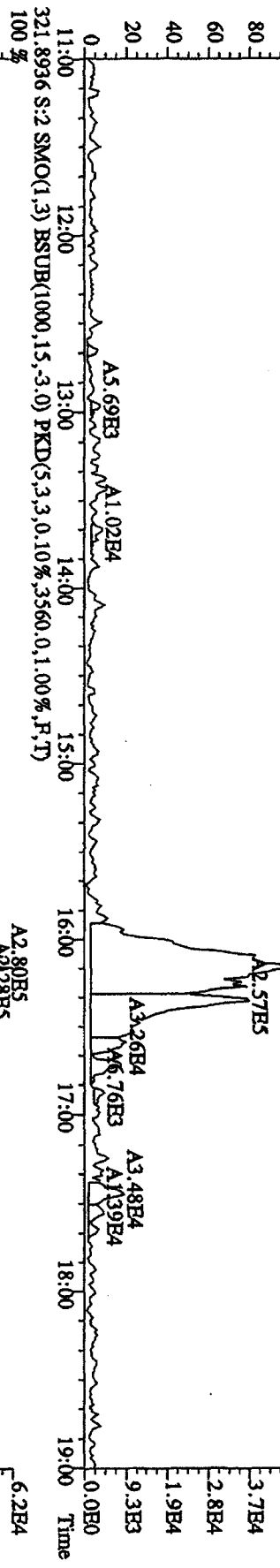
File: 21AP105D2 #1-1241 Acq: 21-APR-2010 20:08:50 GC EI + Voltage SIR 70SE
 Sample#17 Text: ST0421L : 2nd Source 09DXN49 Exp: DIOXIN
 375.8364 S:17 SMO(1.3) BSUB(1000.15,-3.0) PKD(5.3,3,100.00%,1360.0,1.00%,F,T)
 100% 13:13



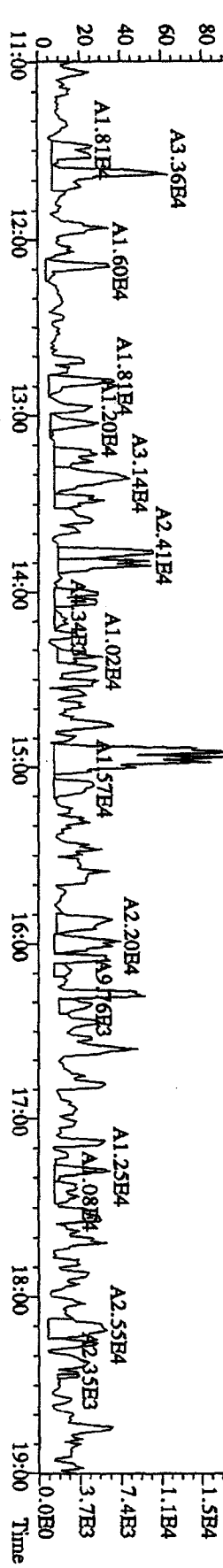
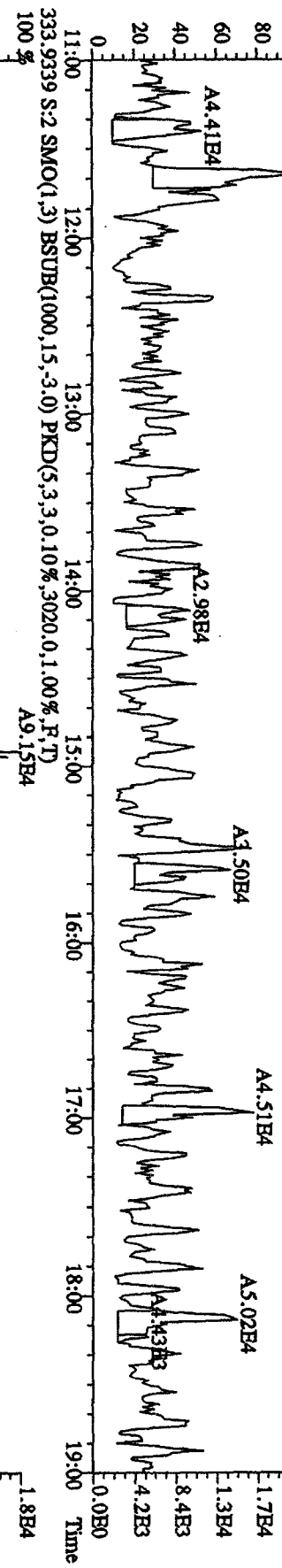
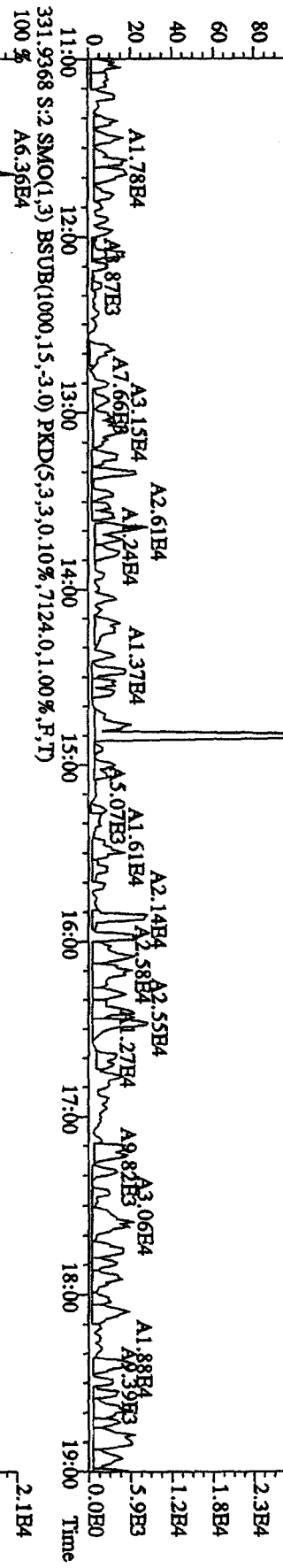
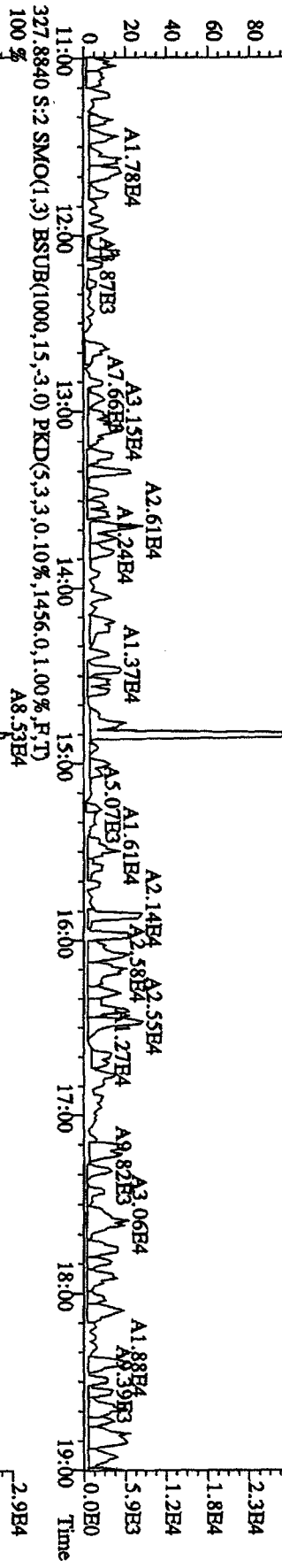
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 10:53:08 GC EI + Voltage SIR 70SE
 Sample#2 Text: CP0421 :DB-225 CPSM 3732-06 Exp: DIOXIN
 303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3996,0,1,00%,F,T)
 100 %



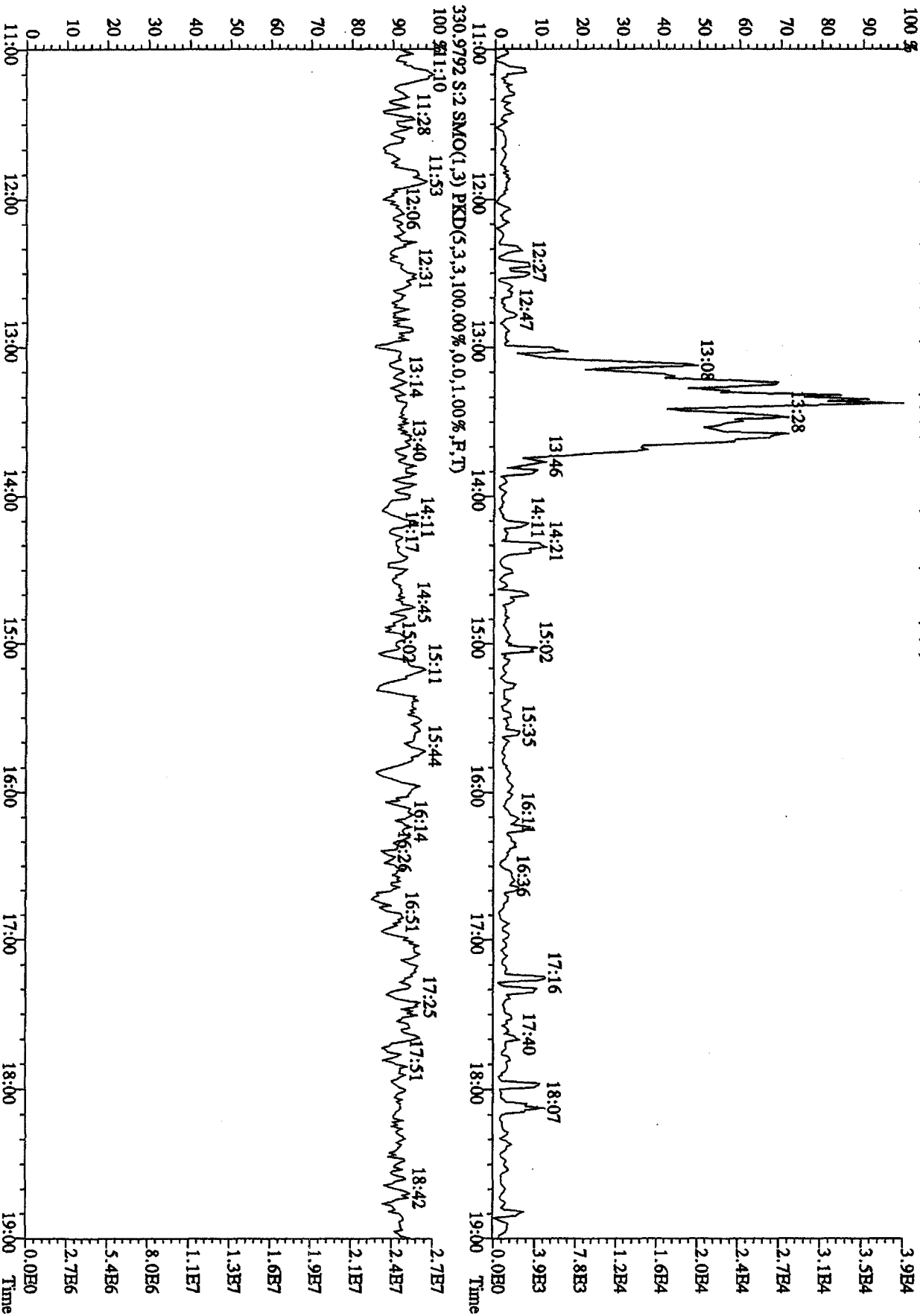
File: 21AP105D2 #1-1242 Acq: 21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
 Sample#2 Text: CP0421 :DB-225 CPISM 3732-06 Exp: DIOXIN
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2384.0,1.00%,F,T)
 100 %



File: 21AP105D2 #1-1242 Acq: 21-APR-2010 10:53:08 GC EI + Voltage SIR 70SE
 Sample#2 Text: CP0421 .IDB-225 CPISM 3732-06 Exp: DIOXIN
 327.8840 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1456,0.1,0.00%,F,T)
 100 %



File: 21AP10SD2 #1-1242 Acq: 21-APR-2010 10:53:08 GC EI+ Voltage SIR 70SE
 Sample#2 Text: CP0421 : DB-225 CPSM 3732-06 Exp: DIOXIN
 375.8364 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,100.00%,1.00%,F,T)
 100%



Initial Calibration Checklist
Dioxin Methods

ICAL ID 8290A041210405

Method ID 8290A Date Scanned _____

Column ID DB5 Instrument ID 405

STD ID's ST0412(B,A,-,D,C) STD Solution 09DXN422, 09DXN422, 10DXN111, 09DXN426, 09DXN456

GC Program OCDD Multiplier Setting 410

Analyzed By M.G. Date Analyzed 4/12/10

Prepared By M.G. Date Prepared 4/17/10

Reviewed By MAT Date Reviewed 4/14/10

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:

*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: 12AP104DS Analyte: 8290A Cal: 8290A0412104DS

ST0412B : CS-1 09DXM422 ST0412A : CS-2 09DXM423 ST0412 : CS-3 10DXM111
 ST0412D : CS-4 09DXM426 ST0412C : CS-5 09DXM456

12AP104DS 12AP104DS 12AP104DS 12AP104DS 12AP104DS

S4 S3 S2 S6 S5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.521	0.098	6.47 %	1.54	1.47	1.60	1.38	1.62
2,3,7,8-TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
Total TCDF	0.945	0.042	4.44 %	0.88	0.94	0.98	0.95	0.98
13C-2,3,7,8-TCDD	0.950	0.080	8.47 %	0.94	0.87	0.95	0.91	1.08
2,3,7,8-TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
Total TCDD	1.021	0.031	3.03 %	1.00	0.98	1.04	1.04	1.05
37Cl-2,3,7,8-TCDD	2.261	0.218	9.64 %	2.41	2.04	2.16	2.14	2.56
13C-1,2,3,7,8-PeCDF	1.050	0.149	14.1 %	0.97	0.97	1.01	0.98	1.31
1,2,3,7,8-PeCDF	1.045	0.049	4.68 %	0.97	1.02	1.09	1.09	1.06
2,3,4,7,8-PeCDF	0.982	0.045	4.55 %	0.93	0.97	1.03	1.02	0.96
Total F2 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
Total F1 PeCDF	1.013	0.046	4.50 %	0.95	0.99	1.06	1.05	1.01
13C-1,2,3,7,8-PeCDD	0.670	0.094	14.0 %	0.61	0.65	0.62	0.64	0.84
1,2,3,7,8-PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
Total PeCDD	0.982	0.047	4.75 %	0.94	0.93	1.04	1.01	0.99
13C-1,2,3,7,8-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	1.025	0.075	7.29 %	1.08	0.98	1.08	0.92	1.06
1,2,3,4,7,8-HxCDF	1.213	0.061	5.00 %	1.12	1.18	1.25	1.28	1.23
1,2,3,6,7,8-HxCDF	1.343	0.096	7.13 %	1.20	1.34	1.46	1.38	1.33
2,3,4,6,7,8-HxCDF	1.222	0.064	5.27 %	1.13	1.19	1.29	1.26	1.23
1,2,3,7,8,9-HxCDF	1.092	0.072	6.60 %	1.02	1.02	1.15	1.17	1.10
Total HxCDF	1.218	0.070	5.72 %	1.12	1.18	1.29	1.27	1.22
13C-1,2,3,6,7,8-HxCDD	0.807	0.060	7.46 %	0.81	0.77	0.86	0.72	0.87
1,2,3,4,7,8-HxCDD	1.007	0.056	5.54 %	0.93	1.02	1.04	1.07	0.98

1,2,3,6,7,8-HxCDD	1.114	0.059	5.33 %	1.06	1.06	1.19	1.16	1.11
1,2,3,7,8,9-HxCDD	1.209	0.083	6.88 %	1.12	1.17	1.22	1.34	1.19
Total HxCDD	1.110	0.061	5.46 %	1.04	1.08	1.15	1.19	1.09
1,2,3,4,6,7,8-HpCDF	0.863	0.061	7.10 %	0.87	0.82	0.95	0.79	0.88
1,2,3,4,6,7,8-HpCDD	1.310	0.072	5.52 %	1.20	1.28	1.39	1.36	1.32
1,2,3,4,7,8,9-HpCDF	1.026	0.053	5.19 %	0.95	1.00	1.09	1.06	1.03
Total HpCDF	1.168	0.063	5.36 %	1.08	1.14	1.24	1.21	1.18
1,2,3,4,6,7,8-HpCDD	0.697	0.052	7.39 %	0.71	0.67	0.77	0.64	0.71
1,2,3,4,6,7,8-HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
Total HpCDD	1.072	0.039	3.60 %	1.03	1.03	1.11	1.11	1.08
1,2,3,4,6,7,8-HpCDD	0.531	0.041	7.69 %	0.53	0.49	0.58	0.49	0.57
OCDF	1.445	0.085	5.85 %	1.32	1.39	1.51	1.50	1.50
OCDD	1.166	0.060	5.16 %	1.08	1.14	1.23	1.21	1.17

Run #1 Filename 12AP104D5 S: 4 I: 1
 Acquired: 12-APR-10 10:48:47 Processed: 12-APR-10 13:15:04
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5

Comments:

Sample text: ST0412B :CS-1 09DXN422

Name	Resp	RA	RT	RRF	Mod?
13C-1,2,3,4-TCDD	150889300	0.82 y	19:40	-	100.00 n
13C-2,3,7,8-TCDF	232739000	0.78 y	19:04	1.5424	100.00 n
2,3,7,8-TCDF	1023349	0.88 y	19:05	0.8794	0.50 n
Total TCDF	-	- n	-	0.8794	0.50 n
13C-2,3,7,8-TCDD	141161700	0.80 y	19:53	0.9355	100.00 n
2,3,7,8-TCDD	703881	0.67 y	19:54	0.9973	0.50 n
Total TCDD	-	- n	-	0.9973	0.50 n
37Cl-2,3,7,8-TCDD	1819544	1.00 y	19:54	2.4118	0.50 n
13C-1,2,3,7,8-PeCDF	146106800	1.52 y	24:49	0.9683	100.00 n
1,2,3,7,8-PeCDF	3546420	1.50 y	24:50	0.9709	2.50 n
2,3,4,7,8-PeCDF	3384670	1.43 y	26:21	0.9266	2.50 n
Total F2 PeCDF	-	- n	-	0.9488	5.00 n
Total F1 PeCDF	-	- n	-	0.9488	5.00 n
13C-1,2,3,7,8-PeCDD	92385600	1.55 y	27:09	0.6123	100.00 n
1,2,3,7,8-PeCDD	2166233	1.61 y	27:12	0.9379	2.50 n
Total PeCDD	-	- n	-	0.9379	2.50 n
13C-1,2,3,7,8,9-HxCDD	103077500	1.29 y	33:11	-	100.00 n
13C-1,2,3,4,7,8-HxCDF	111667600	0.52 y	32:02	1.0833	100.00 n
1,2,3,4,7,8-HxCDF	3133010	1.21 y	32:04	1.1223	2.50 n
1,2,3,6,7,8-HxCDF	3346790	1.13 y	32:10	1.1988	2.50 n
2,3,4,6,7,8-HxCDF	3162220	1.22 y	32:43	1.1327	2.50 n
1,2,3,7,8,9-HxCDF	2848310	1.21 y	33:21	1.0203	2.50 n
Total HxCDF	-	- n	-	1.1185	10.00 n
13C-1,2,3,6,7,8-HxCDD	83861100	1.28 y	32:55	0.8136	100.00 n
1,2,3,4,7,8-HxCDD	1947993	1.33 y	32:51	0.9292	2.50 n
1,2,3,6,7,8-HxCDD	2219360	1.18 y	32:56	1.0586	2.50 n
1,2,3,7,8,9-HxCDD	2352910	1.23 y	33:12	1.1223	2.50 n
Total HxCDD	-	- n	-	1.0367	7.50 n
13C-1,2,3,4,6,7,8-HpCDF	89290500	0.42 y	34:41	0.8662	100.00 n
1,2,3,4,6,7,8-HpCDF	2683070	0.92 y	34:42	1.2020	2.50 n
1,2,3,4,7,8,9-HpCDF	2130830	0.96 y	35:50	0.9546	2.50 n
Total HpCDF	-	- n	-	1.0783	5.00 n
13C-1,2,3,4,6,7,8-HpCDD	72671900	1.06 y	35:30	0.7050	100.00 n
1,2,3,4,6,7,8-HpCDD	1867690	1.03 y	35:31	1.0280	2.50 n
Total HpCDD	-	- n	-	1.0280	2.50 n
13C-OCDD	109193900	0.90 y	38:02	0.5297	200.00 n
OCDF	3611560	0.91 y	38:09	1.3230	5.00 n

OCDD 2945690 0.92 y 38:02 1.0791 5.00 n

Run #2 Filename 12AP104D5 S: 3 I: 1
 Acquired: 12-APR-10 10:04:44 Processed: 12-APR-10 13:15:05
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5

Comments:

Sample text: ST0412A :CS-2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	161658700	0.83 y	19:41	-	100.00	n
13C-2,3,7,8-TCDF	237756000	0.78 y	19:06	1.4707	100.00	n
2,3,7,8-TCDF	4448700	0.78 y	19:07	0.9356	2.00	n
Total TCDF	-	- n	-	0.9356	2.00	n
13C-2,3,7,8-TCDD	141013400	0.83 y	19:54	0.8723	100.00	n
2,3,7,8-TCDD	2761520	0.74 y	19:55	0.9792	2.00	n
Total TCDD	-	- n	-	0.9792	2.00	n
37Cl-2,3,7,8-TCDD	6579920	1.00 y	19:55	2.0351	2.00	n
13C-1,2,3,7,8-PeCDF	157487700	1.55 y	24:50	0.9742	100.00	n
1,2,3,7,8-PeCDF	16085800	1.52 y	24:52	1.0214	10.00	n
2,3,4,7,8-PeCDF	15225000	1.52 y	26:23	0.9667	10.00	n
Total F2 PeCDF	-	- n	-	0.9941	20.00	n
Total F1 PeCDF	-	- n	-	0.9941	20.00	n
13C-1,2,3,7,8-PeCDD	104378100	1.53 y	27:11	0.6457	100.00	n
1,2,3,7,8-PeCDD	9696460	1.56 y	27:13	0.9290	10.00	n
Total PeCDD	-	- n	-	0.9290	10.00	n
13C-1,2,3,7,8,9-HxCDD	119338900	1.29 y	33:12	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	116840100	0.51 y	32:03	0.9791	100.00	n
1,2,3,4,7,8-HxCDF	13837370	1.16 y	32:04	1.1843	10.00	n
1,2,3,6,7,8-HxCDF	15711510	1.20 y	32:11	1.3447	10.00	n
2,3,4,6,7,8-HxCDF	13850440	1.17 y	32:44	1.1854	10.00	n
1,2,3,7,8,9-HxCDF	11885350	1.19 y	33:23	1.0172	10.00	n
Total HxCDF	-	- n	-	1.1829	40.00	n
13C-1,2,3,6,7,8-HxCDD	92237400	1.32 y	32:57	0.7729	100.00	n
1,2,3,4,7,8-HxCDD	9381490	1.25 y	32:53	1.0171	10.00	n
1,2,3,6,7,8-HxCDD	9738380	1.25 y	32:57	1.0558	10.00	n
1,2,3,7,8,9-HxCDD	10785510	1.28 y	33:12	1.1693	10.00	n
Total HxCDD	-	- n	-	1.0807	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	97759400	0.43 y	34:42	0.8192	100.00	n
1,2,3,4,6,7,8-HpCDF	12506030	0.97 y	34:43	1.2793	10.00	n
1,2,3,4,7,8,9-HpCDF	9737130	0.96 y	35:52	0.9960	10.00	n
Total HpCDF	-	- n	-	1.1376	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	79460100	1.04 y	35:31	0.6658	100.00	n
1,2,3,4,6,7,8-HpCDD	8216600	1.02 y	35:32	1.0341	10.00	n
Total HpCDD	-	- n	-	1.0341	10.00	n
13C-OCDD	117016000	0.90 y	38:02	0.4903	200.00	n
OCDF	16264550	0.91 y	38:09	1.3899	20.00	n
OCDD	13337580	0.89 y	38:03	1.1398	20.00	n

Run #3 Filename 12AP104D5 S: 2 I: 1
 Acquired: 12-APR-10 09:14:17 Processed: 12-APR-10 13:15:06
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5

Comments:

Sample text: ST0412 :CS-3 10DXN111

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	64371200	0.84 y	19:40	-	100.00	n
13C-2,3,7,8-TCDF	102873500	0.76 y	19:05	1.5981	100.00	n
2,3,7,8-TCDF	10115650	0.82 y	19:06	0.9833	10.00	n
Total TCDF	-	- n	-	0.9833	10.00	n
13C-2,3,7,8-TCDD	61271500	0.83 y	19:53	0.9518	100.00	n
2,3,7,8-TCDD	6357860	0.79 y	19:54	1.0377	10.00	n
Total TCDD	-	- n	-	1.0377	10.00	n
37Cl-2,3,7,8-TCDD	13876260	1.00 y	19:54	2.1557	10.00	n
13C-1,2,3,7,8-PeCDF	65259400	1.55 y	24:49	1.0138	100.00	n
1,2,3,7,8-PeCDF	35414800	1.47 y	24:50	1.0854	50.00	n
2,3,4,7,8-PeCDF	33672100	1.50 y	26:22	1.0319	50.00	n
Total F2 PeCDF	-	- n	-	1.0587	100.00	n
Total F1 PeCDF	-	- n	-	1.0587	100.00	n
13C-1,2,3,7,8-PeCDD	39998300	1.51 y	27:10	0.6214	100.00	n
1,2,3,7,8-PeCDD	20706690	1.56 y	27:12	1.0354	50.00	n
Total PeCDD	-	- n	-	1.0354	50.00	n
13C-1,2,3,7,8,9-HxCDD	43950100	1.30 y	33:11	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	47581500	0.51 y	32:03	1.0826	100.00	n
1,2,3,4,7,8-HxCDF	29775400	1.17 y	32:04	1.2516	50.00	n
1,2,3,6,7,8-HxCDF	34813100	1.18 y	32:11	1.4633	50.00	n
2,3,4,6,7,8-HxCDF	30804200	1.18 y	32:43	1.2948	50.00	n
1,2,3,7,8,9-HxCDF	27436400	1.20 y	33:22	1.1532	50.00	n
Total HxCDF	-	- n	-	1.2907	200.00	n
13C-1,2,3,6,7,8-HxCDD	37776400	1.31 y	32:56	0.8595	100.00	n
1,2,3,4,7,8-HxCDD	19591860	1.40 y	32:52	1.0373	50.00	n
1,2,3,6,7,8-HxCDD	22495200	1.13 y	32:57	1.1910	50.00	n
1,2,3,7,8,9-HxCDD	23103700	1.25 y	33:12	1.2232	50.00	n
Total HxCDD	-	- n	-	1.1505	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	41837400	0.43 y	34:42	0.9519	100.00	n
1,2,3,4,6,7,8-HpCDF	29031500	0.97 y	34:42	1.3878	50.00	n
1,2,3,4,7,8,9-HpCDF	22825800	0.97 y	35:50	1.0912	50.00	n
Total HpCDF	-	- n	-	1.2395	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	33979600	1.08 y	35:31	0.7731	100.00	n
1,2,3,4,6,7,8-HpCDD	18775170	1.01 y	35:31	1.1051	50.00	n
Total HpCDD	-	- n	-	1.1051	50.00	n
13C-OCDD	50907600	0.91 y	38:02	0.5792	200.00	n
OCDF	38455800	0.91 y	38:09	1.5108	100.00	n
OCDD	31406500	0.90 y	38:02	1.2339	100.00	n

Run #4 Filename 12AP104D5 S: 6 I: 1
 Acquired: 12-APR-10 12:16:51 Processed: 12-APR-10 13:15:06
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5

Comments:

Sample text: ST0412D :CS-4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	155249200	0.82 y	19:40	-	100.00	n
13C-2,3,7,8-TCDF	213728200	0.78 y	19:04	1.3767	100.00	n
2,3,7,8-TCDF	81152300	0.80 y	19:05	0.9492	40.00	n
Total TCDF	-	- n	-	0.9492	40.00	n
13C-2,3,7,8-TCDD	140634600	0.81 y	19:53	0.9059	100.00	n
2,3,7,8-TCDD	58567300	0.76 y	19:54	1.0411	40.00	n
Total TCDD	-	- n	-	1.0411	40.00	n
37Cl-2,3,7,8-TCDD	132968000	1.00 y	19:54	2.1412	40.00	n
13C-1,2,3,7,8-PeCDF	152320900	1.55 y	24:49	0.9811	100.00	n
1,2,3,7,8-PeCDF	330717000	1.52 y	24:50	1.0856	200.00	n
2,3,4,7,8-PeCDF	311957000	1.53 y	26:21	1.0240	200.00	n
Total F2 PeCDF	-	- n	-	1.0548	400.00	n
Total F1 PeCDF	-	- n	-	1.0548	400.00	n
13C-1,2,3,7,8-PeCDD	98815100	1.51 y	27:10	0.6365	100.00	n
1,2,3,7,8-PeCDD	200073100	1.56 y	27:12	1.0124	200.00	n
Total PeCDD	-	- n	-	1.0124	200.00	n
13C-1,2,3,7,8,9-HxCDD	122882600	1.29 y	33:11	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	112493800	0.51 y	32:02	0.9155	100.00	n
1,2,3,4,7,8-HxCDF	286893000	1.17 y	32:03	1.2752	200.00	n
1,2,3,6,7,8-HxCDF	309941000	1.20 y	32:10	1.3776	200.00	n
2,3,4,6,7,8-HxCDF	284576000	1.18 y	32:44	1.2649	200.00	n
1,2,3,7,8,9-HxCDF	263425000	1.19 y	33:22	1.1708	200.00	n
Total HxCDF	-	- n	-	1.2721	800.00	n
13C-1,2,3,6,7,8-HxCDD	88870500	1.27 y	32:55	0.7232	100.00	n
1,2,3,4,7,8-HxCDD	190818600	1.23 y	32:51	1.0736	200.00	n
1,2,3,6,7,8-HxCDD	205324800	1.26 y	32:56	1.1552	200.00	n
1,2,3,7,8,9-HxCDD	238684000	1.24 y	33:12	1.3429	200.00	n
Total HxCDD	-	- n	-	1.1905	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	97521600	0.43 y	34:41	0.7936	100.00	n
1,2,3,4,6,7,8-HpCDF	264362000	0.96 y	34:42	1.3554	200.00	n
1,2,3,4,7,8,9-HpCDF	206496000	0.97 y	35:50	1.0587	200.00	n
Total HpCDF	-	- n	-	1.2071	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	78184500	1.04 y	35:30	0.6363	100.00	n
1,2,3,4,6,7,8-HpCDD	173361700	1.02 y	35:31	1.1087	200.00	n
Total HpCDD	-	- n	-	1.1087	200.00	n
13C-OCDD	120964400	0.91 y	38:01	0.4922	200.00	n
OCDF	363722000	0.91 y	38:08	1.5034	400.00	n
OCDD	291736000	0.90 y	38:02	1.2059	400.00	n

Run #5 Filename 12AP104D5 S: 5 I: 1
 Acquired: 12-APR-10 11:32:49 Processed: 12-APR-10 13:15:07
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5

Comments:

Sample text: ST0412C :CS-5 09DXN456

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	133027400	0.81 y	19:40	-	100.00	n
13C-2,3,7,8-TCDF	214932900	0.77 y	19:04	1.6157	100.00	n
2,3,7,8-TCDF	420869000	0.81 y	19:05	0.9791	200.00	n
Total TCDF	-	- n	-	0.9791	200.00	n
13C-2,3,7,8-TCDD	144056100	0.81 y	19:52	1.0829	100.00	n
2,3,7,8-TCDD	302482000	0.77 y	19:54	1.0499	200.00	n
Total TCDD	-	- n	-	1.0499	200.00	n
37Cl-2,3,7,8-TCDD	681830000	1.00 y	19:54	2.5627	200.00	n
13C-1,2,3,7,8-PeCDF	174822600	1.57 y	24:49	1.3142	100.00	n
1,2,3,7,8-PeCDF	1854040000	1.52 y	24:50	1.0605	1000.00	n
2,3,4,7,8-PeCDF	1680778000	1.50 y	26:21	0.9614	1000.00	n
Total F2 PeCDF	-	- n	-	1.0110	2000.00	n
Total F1 PeCDF	-	- n	-	1.0110	2000.00	n
13C-1,2,3,7,8-PeCDD	111282000	1.52 y	27:09	0.8365	100.00	n
1,2,3,7,8-PeCDD	1107251000	1.56 y	27:12	0.9950	1000.00	n
Total PeCDD	-	- n	-	0.9950	1000.00	n
13C-1,2,3,7,8,9-HxCDD	124536600	1.30 y	33:11	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	132485800	0.52 y	32:03	1.0638	100.00	n
1,2,3,4,7,8-HxCDF	1629345000	1.17 y	32:04	1.2298	1000.00	n
1,2,3,6,7,8-HxCDF	1761404000	1.19 y	32:10	1.3295	1000.00	n
2,3,4,6,7,8-HxCDF	1634313000	1.18 y	32:43	1.2336	1000.00	n
1,2,3,7,8,9-HxCDF	1458311000	1.19 y	33:21	1.1007	1000.00	n
Total HxCDF	-	- n	-	1.2234	4000.00	n
13C-1,2,3,6,7,8-HxCDD	107863400	1.32 y	32:55	0.8661	100.00	n
1,2,3,4,7,8-HxCDD	1053487000	1.22 y	32:51	0.9767	1000.00	n
1,2,3,6,7,8-HxCDD	1196229000	1.25 y	32:56	1.1090	1000.00	n
1,2,3,7,8,9-HxCDD	1280853000	1.24 y	33:12	1.1875	1000.00	n
Total HxCDD	-	- n	-	1.0911	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	109839300	0.44 y	34:41	0.8820	100.00	n
1,2,3,4,6,7,8-HpCDF	1454217000	0.96 y	34:42	1.3239	1000.00	n
1,2,3,4,7,8,9-HpCDF	1128812000	0.96 y	35:50	1.0277	1000.00	n
Total HpCDF	-	- n	-	1.1758	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	88075100	1.03 y	35:30	0.7072	100.00	n
1,2,3,4,6,7,8-HpCDD	954247000	1.02 y	35:31	1.0834	1000.00	n
Total HpCDD	-	- n	-	1.0834	1000.00	n
13C-OCDD	140888400	0.91 y	38:02	0.5657	200.00	n
OCDF	2112770000	0.91 y	38:09	1.4996	2000.00	n
OCDD	1652111000	0.90 y	38:03	1.1726	2000.00	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
12AP104D5	1	CP0412	DB-5 CPSM 3732-04				1.00000	
12AP104D5	2	ST0412	CS-3 10DXN111				1.00000	
12AP104D5	3	ST0412A	CS-2 09DXN423				1.00000	
12AP104D5	4	ST0412B	CS-1 09DXN422				1.00000	
12AP104D5	5	ST0412C	CS-5 09DXN456				1.00000	
12AP104D5	6	ST0412D	CS-4 09DXN426				1.00000	
12AP104D5	7	ST0412E	2nd Source 09DXN449				1.00000	
12AP104D5	8	ST0412F	CS-3 10DXN111				1.00000	
12AP104D5	9	CP0412A	DB-5 CPSM 3732-04				1.00000	
12AP104D5	10	SB0412	Solvent Blank C-14				1.00000	
12AP104D5	11	LXH9E-1-AA	G0D050000-198B	20	8290A/WATER	V-1	1.00000	L
12AP104D5	12	LXH9E-1-AC	G0D050000-198C	20	8290A/WATER		1.00000	L
12AP104D5	13	LXFLQ-1-AA	C0D010564-13	20	8290A/WATER		1.04090	L
12AP104D5	14	LXMQP-1-AC	G0D070000-424C	20	8290A/SOLID		10.00000	g
12AP104D5	15	LXMQP-1-AA	G0D070000-424B	20	8290A/SOLID		10.00000	g
12AP104D5	16	LXFKR-1-AA	C0D010564-1	20	8290A/SOLID		10.96000	g
12AP104D5	17	LXFKX-1-AA	C0D010564-2	20	8290A/SOLID		10.00000	g
12AP104D5	18	LXFK2-1-AA	C0D010564-3	20	8290A/SOLID		10.45000	g
12AP104D5	19	LXFK7-1-AA	C0D010564-4	20	8290A/SOLID		10.83000	g
12AP104D5	20	LXFLA-1-AA	C0D010564-5	20	8290A/SOLID		10.37000	g
12AP104D5	21	LXFLC-1-AA	C0D010564-6	20	8290A/SOLID		10.75000	g
12AP104D5	22	LXFLD-1-AA	C0D010564-7	20	8290A/SOLID		10.36000	g
12AP104D5	23	LXFLD-1-AD	C0D010564-7S	20	8290A/SOLID		10.12000	g
12AP104D5	24	LXFLD-1-AE	C0D010564-7D	20	8290A/SOLID		10.69000	g
12AP104D5	25	SB0412A	Solvent Blank C-14				1.00000	
12AP104D5	26	ST0412G	CS-3 10DXN111				1.00000	
12AP104D5	27	CP0412B	DB-5 CPSM 3732-04				1.00000	
12AP104D5	28	SB0412B	Solvent Blank C-14				1.00000	
12AP104D5	29	LXFLE-1-AA	C0D010564-8	20	8290A/SOLID	V-1	10.54000	g
12AP104D5	30	LXFLF-1-AA	C0D010564-9	20	8290A/SOLID		10.12000	g
12AP104D5	31	LXFLG-1-AA	C0D010564-10	20	8290A/SOLID		10.98000	g
12AP104D5	32	LXFLK-1-AA	C0D010564-11	20	8290A/SOLID		10.17000	g
12AP104D5	33	LXFLM-1-AA	C0D010564-12	20	8290A/SOLID		10.94000	g
12AP104D5	34	LXFK2-1-AA	C0D010564-3 (20x)	20	8290A/SOLID		10.45000	g
12AP104D5	35	LXFLF-1-AA	C0D010564-9 RI	20	8290A/SOLID		10.12000	g
12AP104D5	36	LXFLG-1-AA	C0D010564-10 (20x)	20	8290A/SOLID		10.98000	g
12AP104D5	37	LXFLC-1-AA	C0D010564-6 (50x)	20	8290A/SOLID		10.75000	g
12AP104D5	38	LXFLK-1-AA	C0D010564-11 (50x)	20	8290A/SOLID		10.17000	g
12AP104D5	39	LXFLE-1-AA	C0D010564-8 (100x)	20	8290A/SOLID		10.54000	g
12AP104D5	40	LXFLD-1-AA	C0D010564-7 (100x)	20	8290A/SOLID		10.36000	g
12AP104D5	41	LXFLM-1-AA	C0D010564-12 (100x)	20	8290A/SOLID		10.94000	g
12AP104D5	42	LXFLE-1-AA	C0D010564-8 (100x) RI	20	8290A/SOLID		10.54000	g
12AP104D5	43	SB0412C	Solvent Blank C-14				1.00000	
12AP104D5	44	SB0412D	Solvent Blank C-14				1.00000	
12AP104D5	45	ST0412H	CS-3 10DXN111				1.00000	
12AP104D5	46	CP0412C	DB-5 CPSM 3732-04				1.00000	
12AP104D5	47	SB0412E	Solvent Blank C-14				1.00000	
12AP104D5	48	LXFK2-1-AA	C0D010564-3 (20x) RI	20	8290A/SOLID	V-1	10.45000	g
12AP104D5	49	LXFLG-1-AA	C0D010564-10 (20x) RI	20	8290A/SOLID		10.98000	g
12AP104D5	50	LXFLC-1-AA	C0D010564-6 (50x) RI	20	8290A/SOLID		10.75000	g
12AP104D5	51	LXFLK-1-AA	C0D010564-11 (50x) RI	20	8290A/SOLID		10.17000	g
12AP104D5	52	SB0412F	Solvent Blank C-14				1.00000	
12AP104D5	53	ST0412I	CS-3 10DXN111				1.00000	

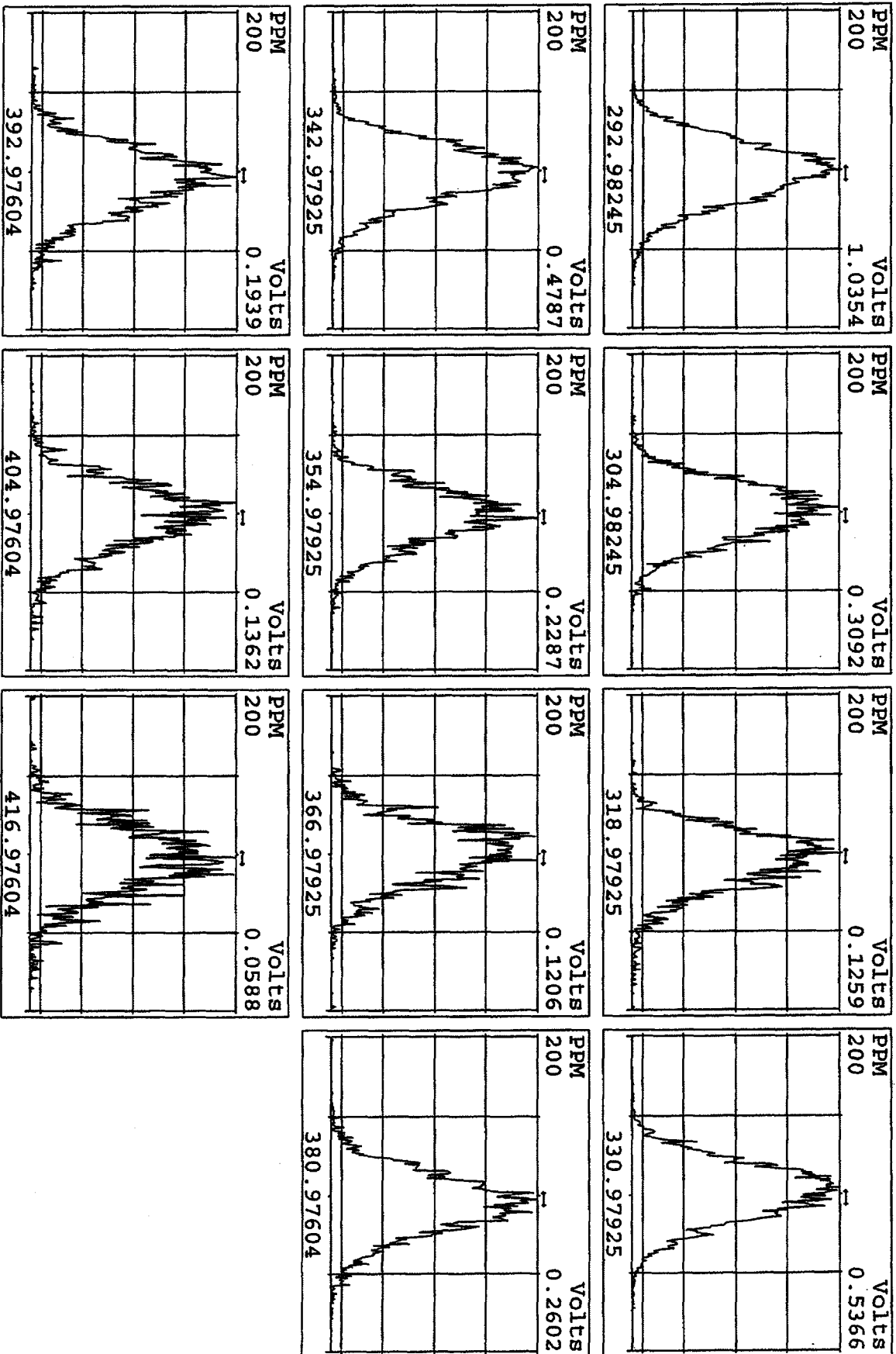
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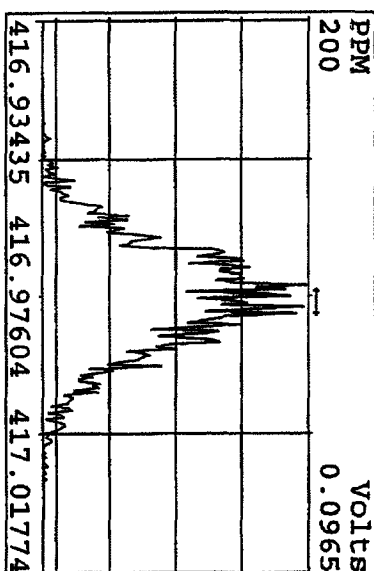
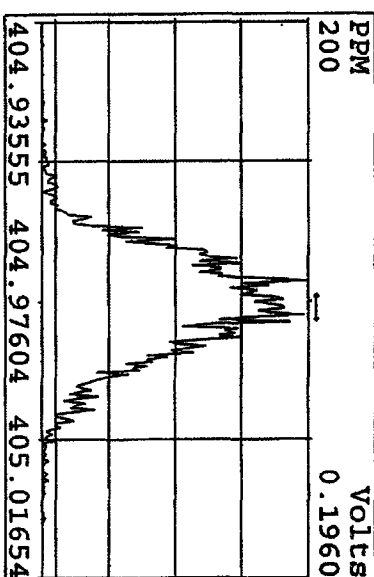
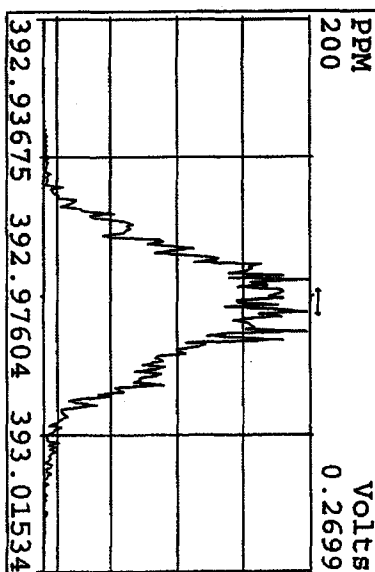
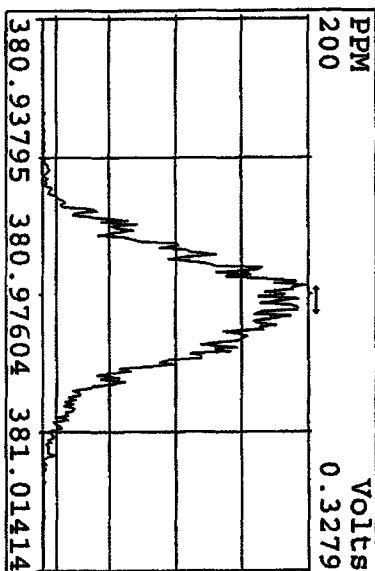
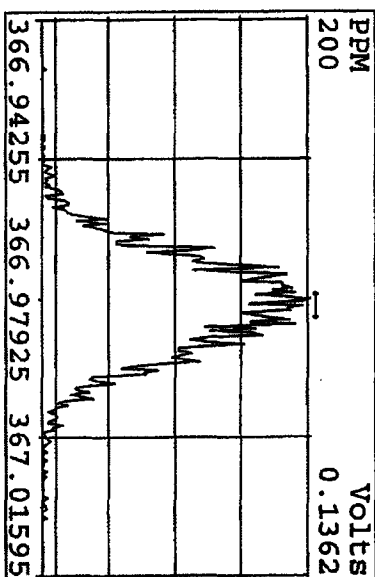
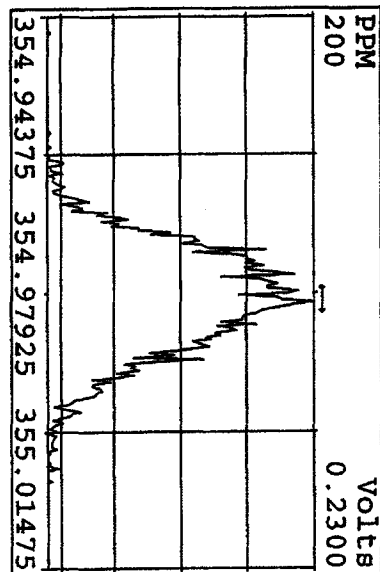
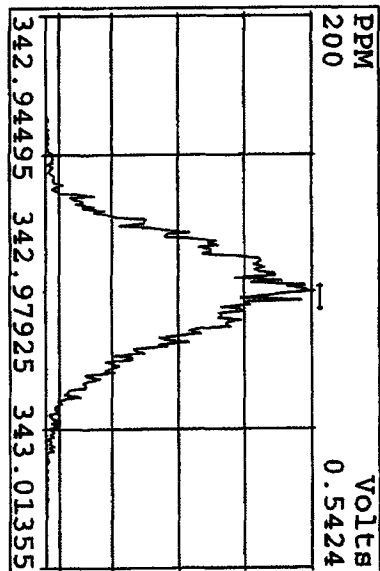
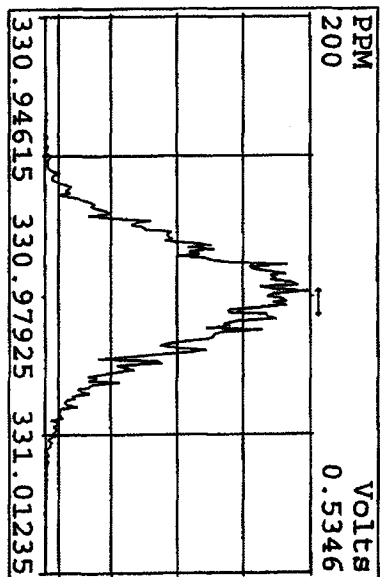
MG 04/12/10

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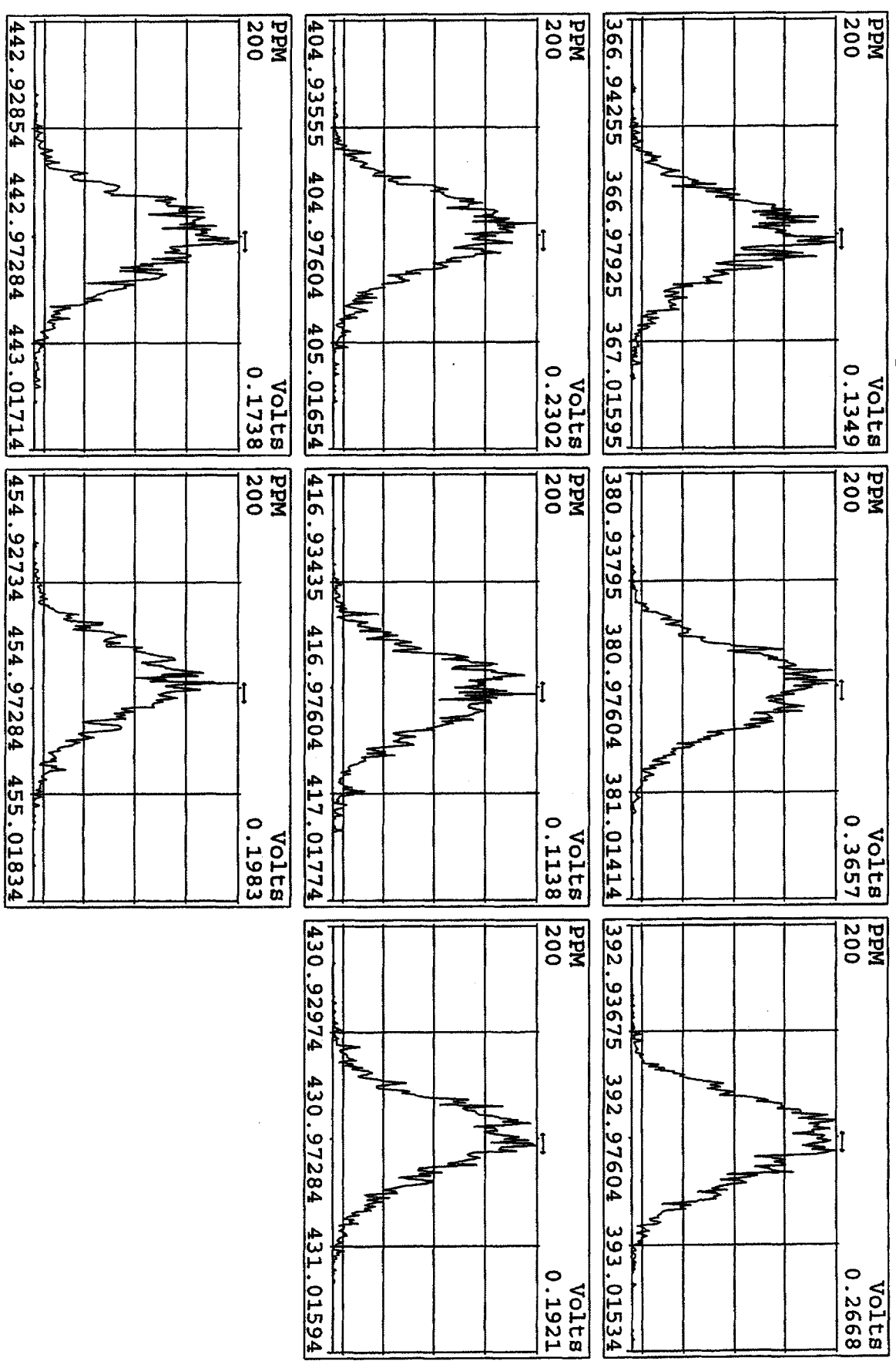
Peak Locate Examination: 12-APR-2010: 08:26 File: 12AP104D5
Experiment: DIOXINRES8290A Function: 1 Reference: PFK



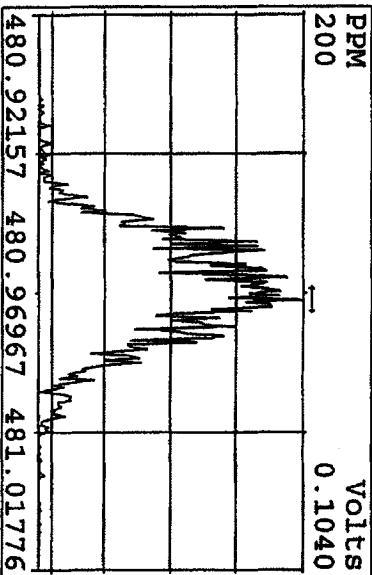
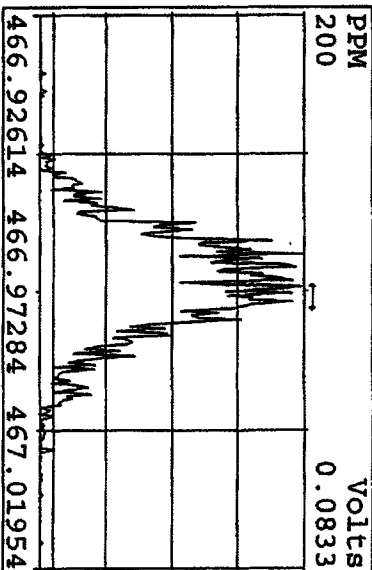
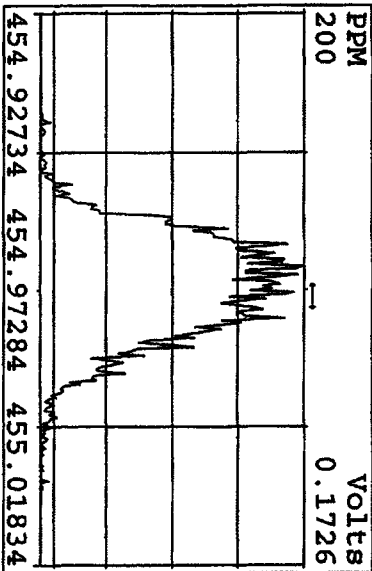
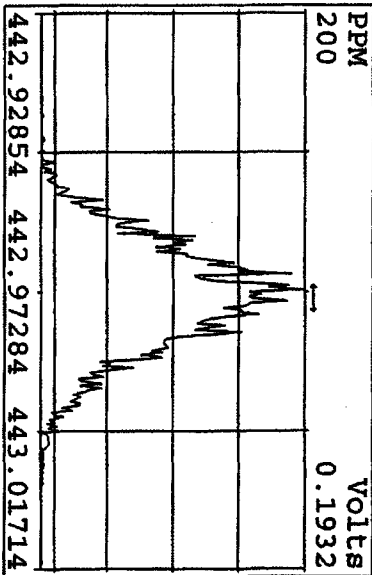
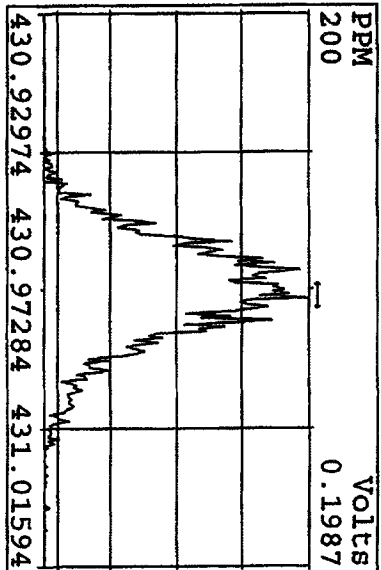
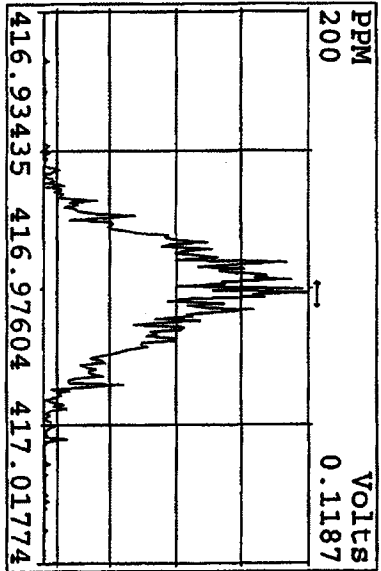
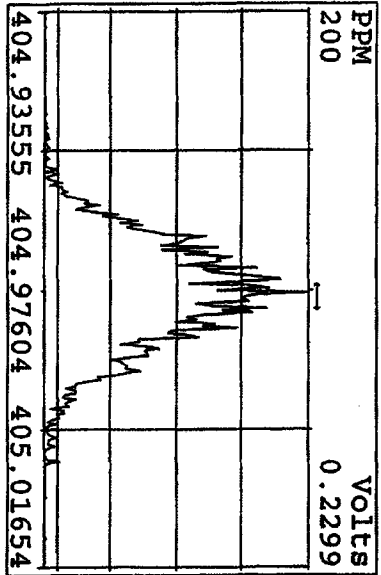
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 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



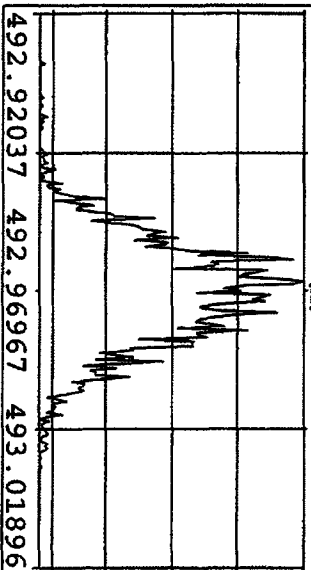
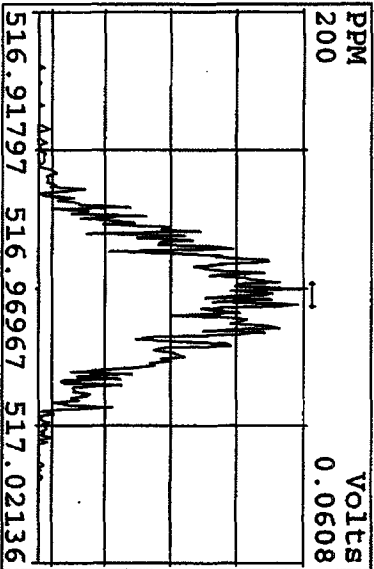
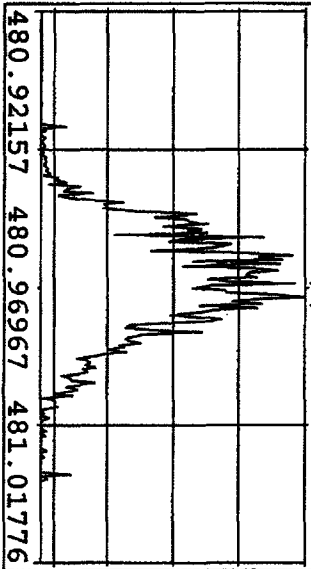
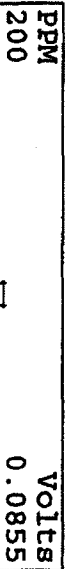
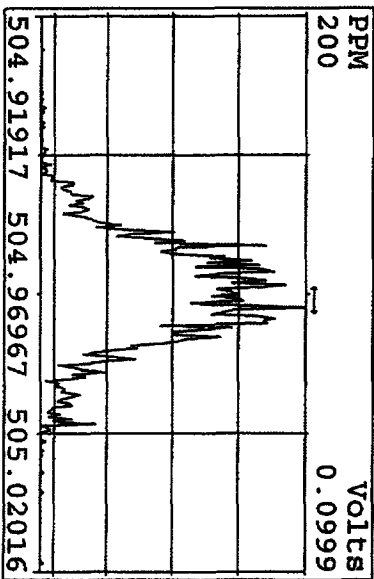
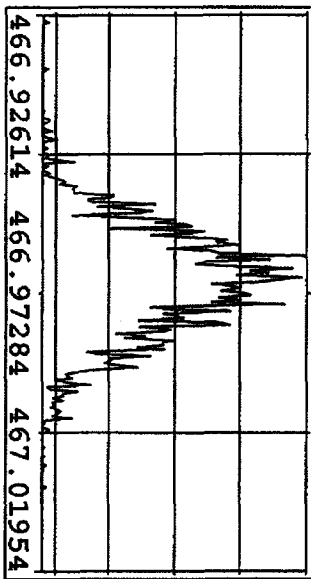
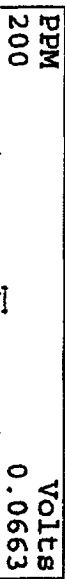
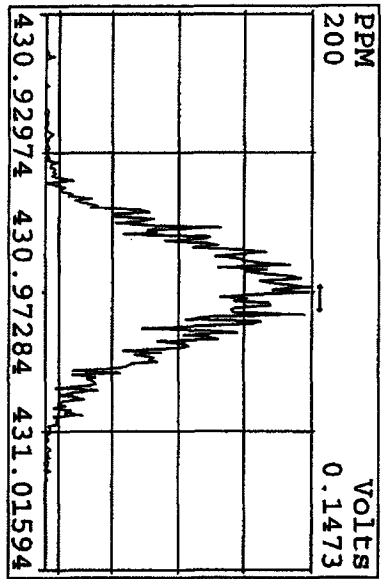
Peak Locate Examination: 12-APR-2010: 08:27 File: 12API04D5
 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



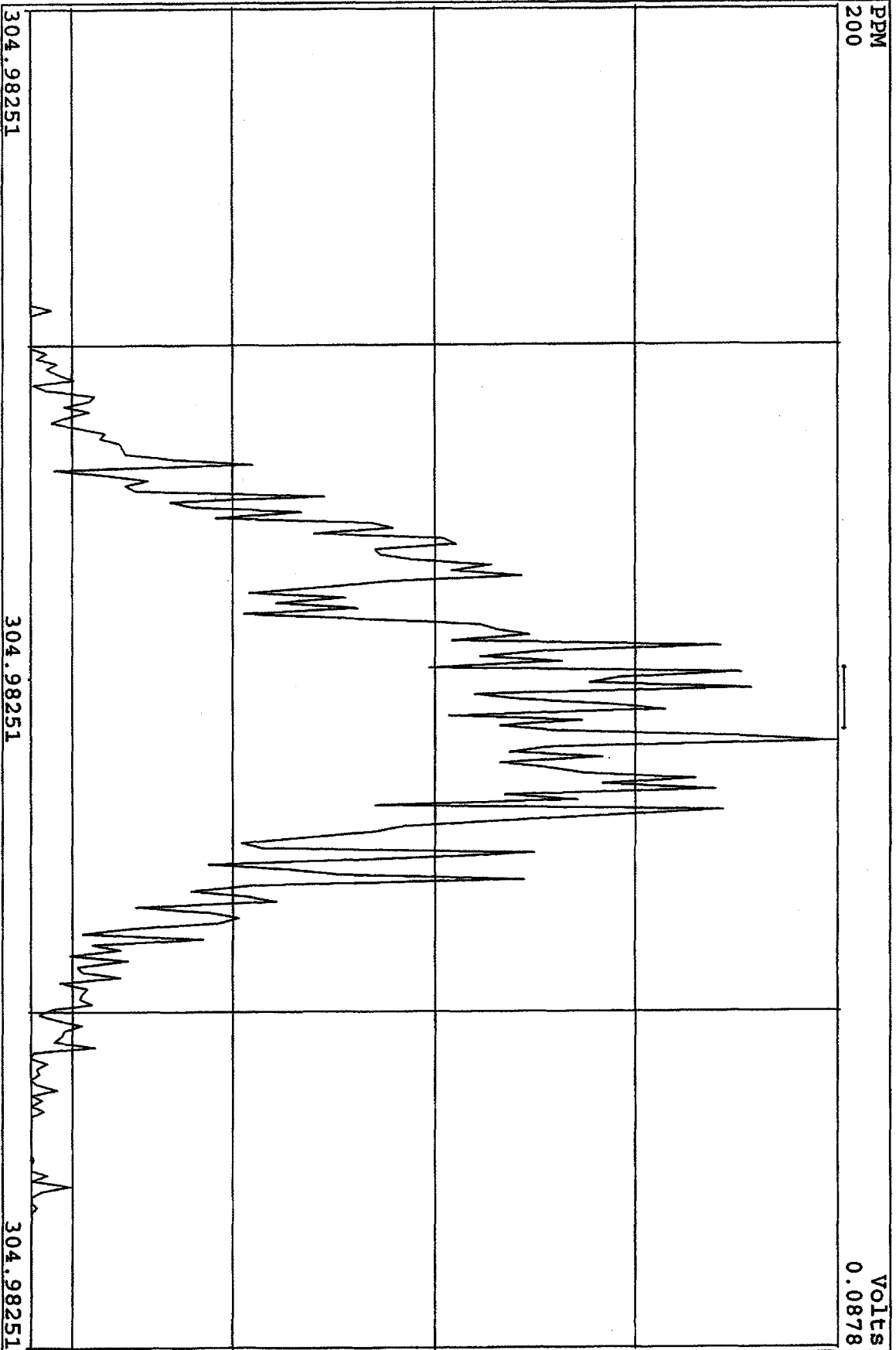
Peak Locate Examination: 12-APR-2010: 08:27 File: 12API04D5
Experiment: DIOXINRES8290A Function: 4 Reference: PFK



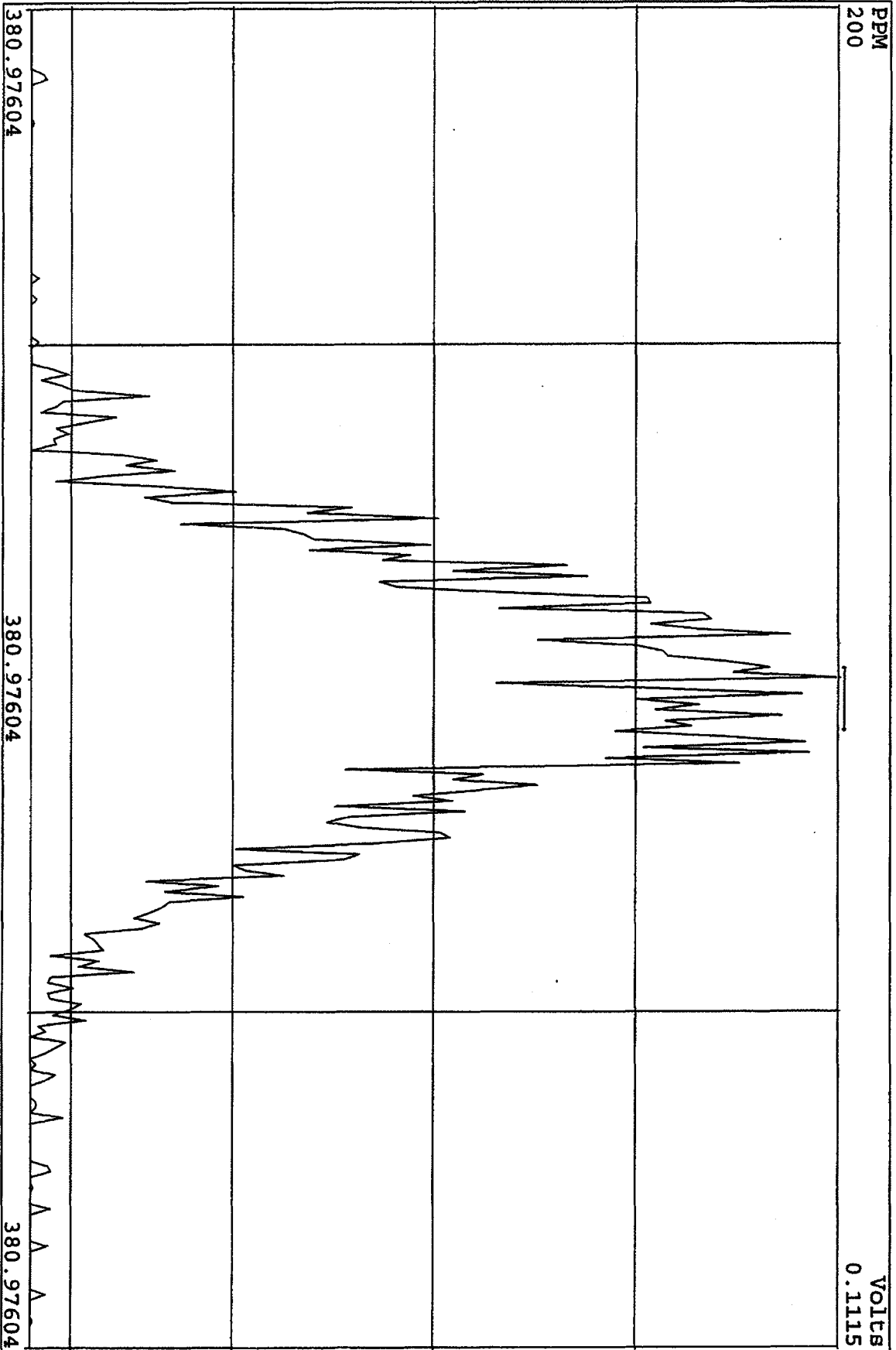
Peak Locate Examination: 12-APR-2010:08:28 File: 12AP104D5
 Experiment: DIOXINRES8290A Function: 5 Reference: PFK



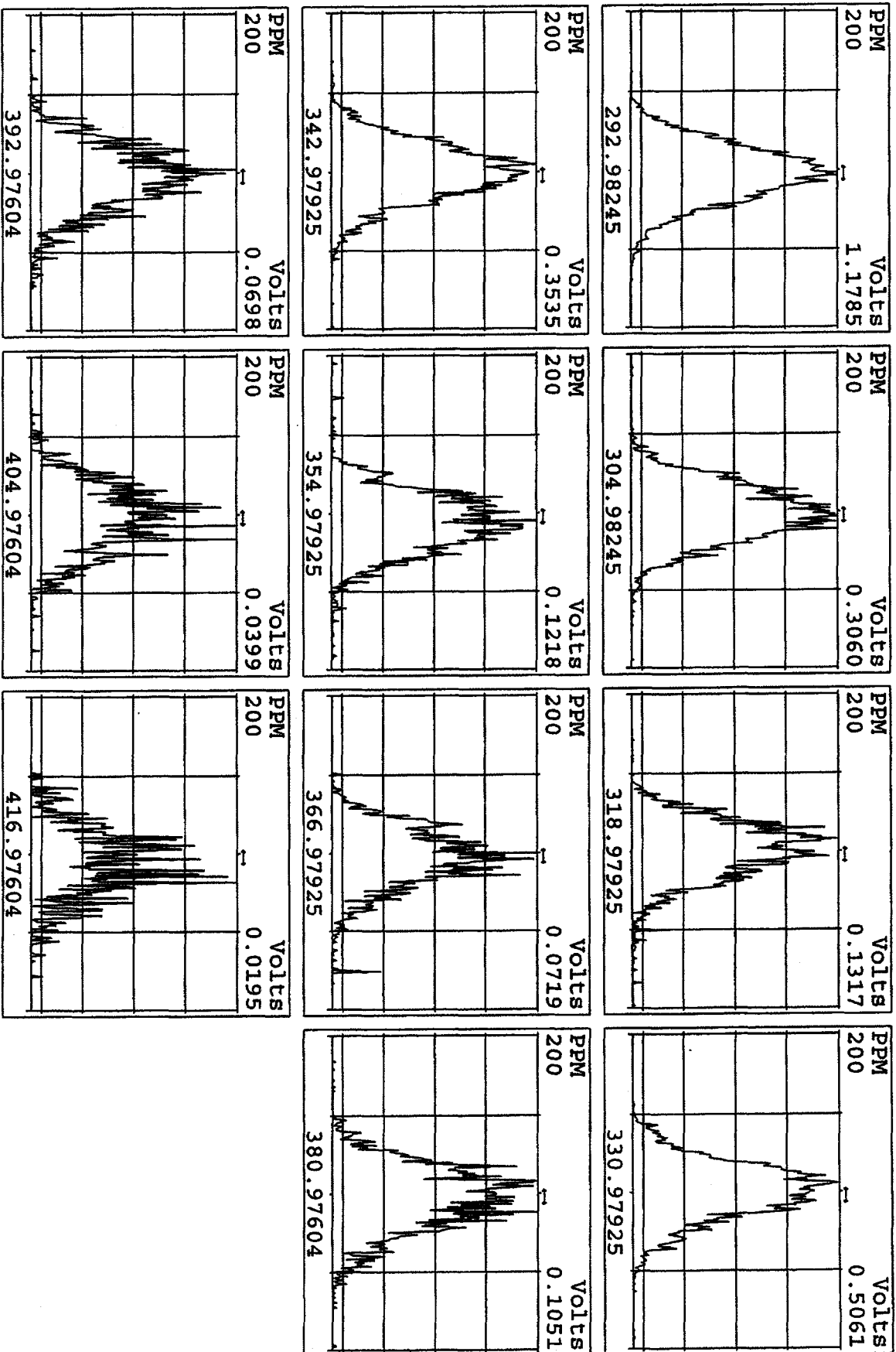
SIRLM Examination: 12-APR-2010: 14:26 File: 12API04D5
Experiment: DIOXINRES8290A Function: 7



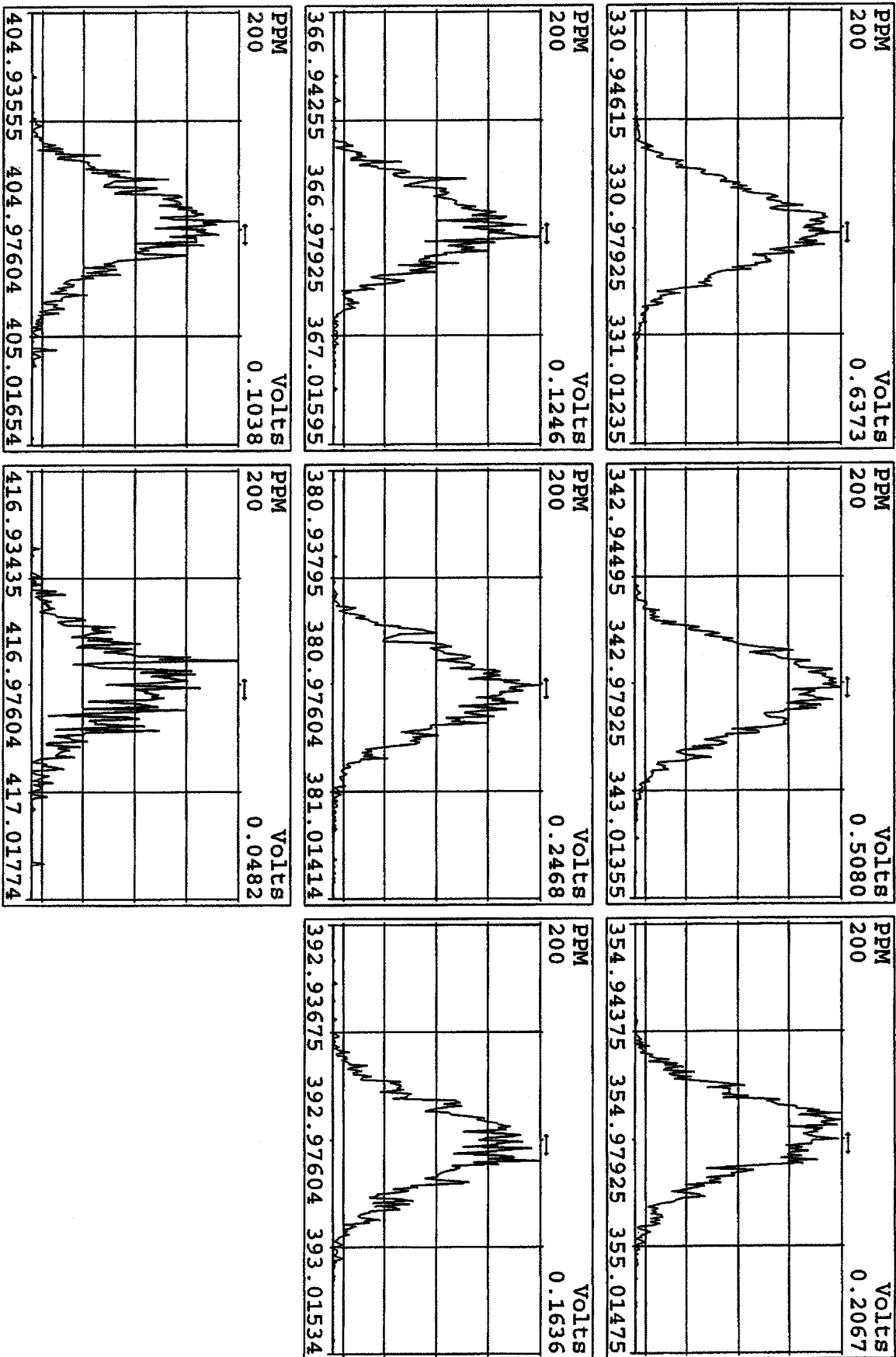
SIRLM Examination: 12-APR-2010: 14:25 File: 12AP104D5
Experiment: DIOXINRES8290A Function: 6



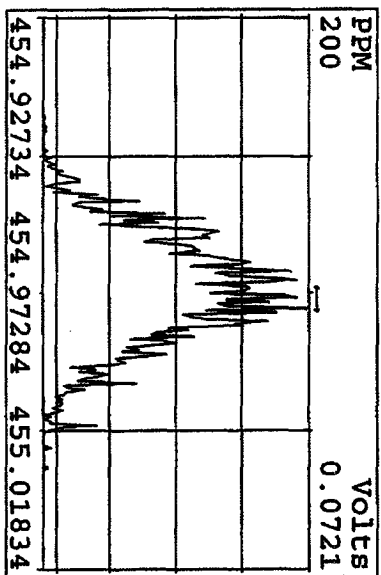
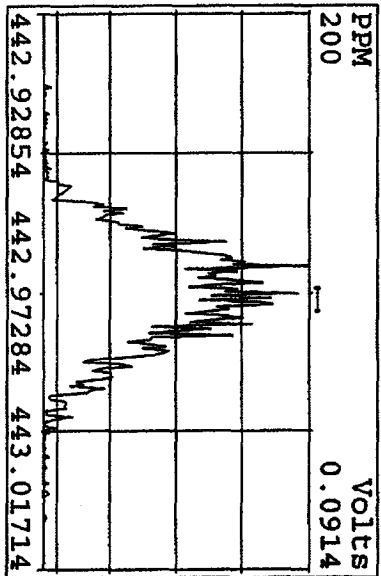
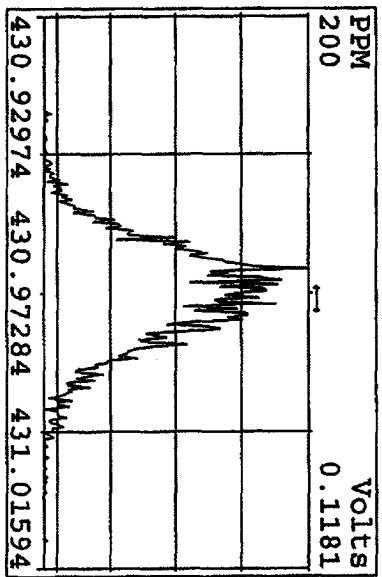
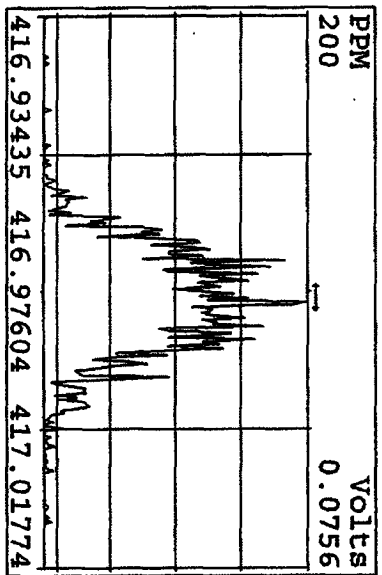
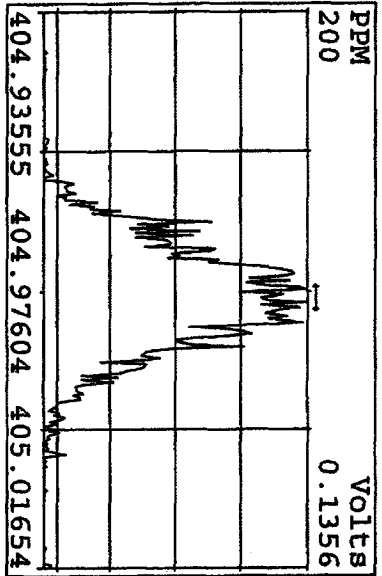
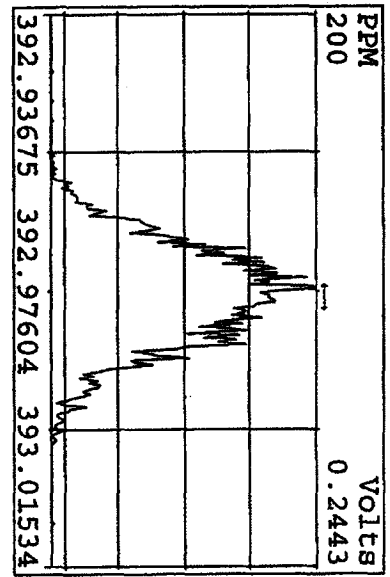
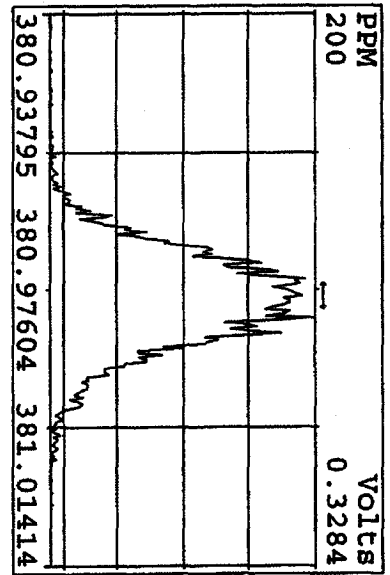
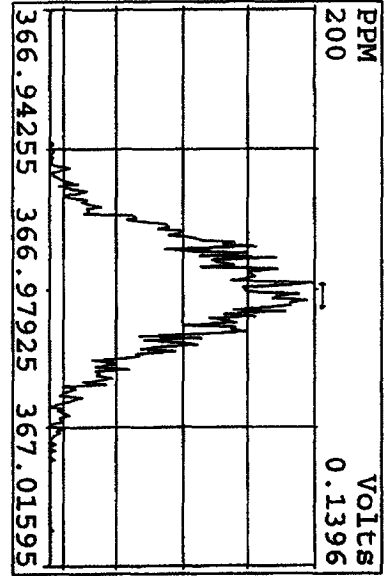
Peak Locate Examination: 14-APR-2010:00:00 File:RSCCHK12AP104D5
Experiment: DIOXINRES8290A Function: 1 Reference: PFK



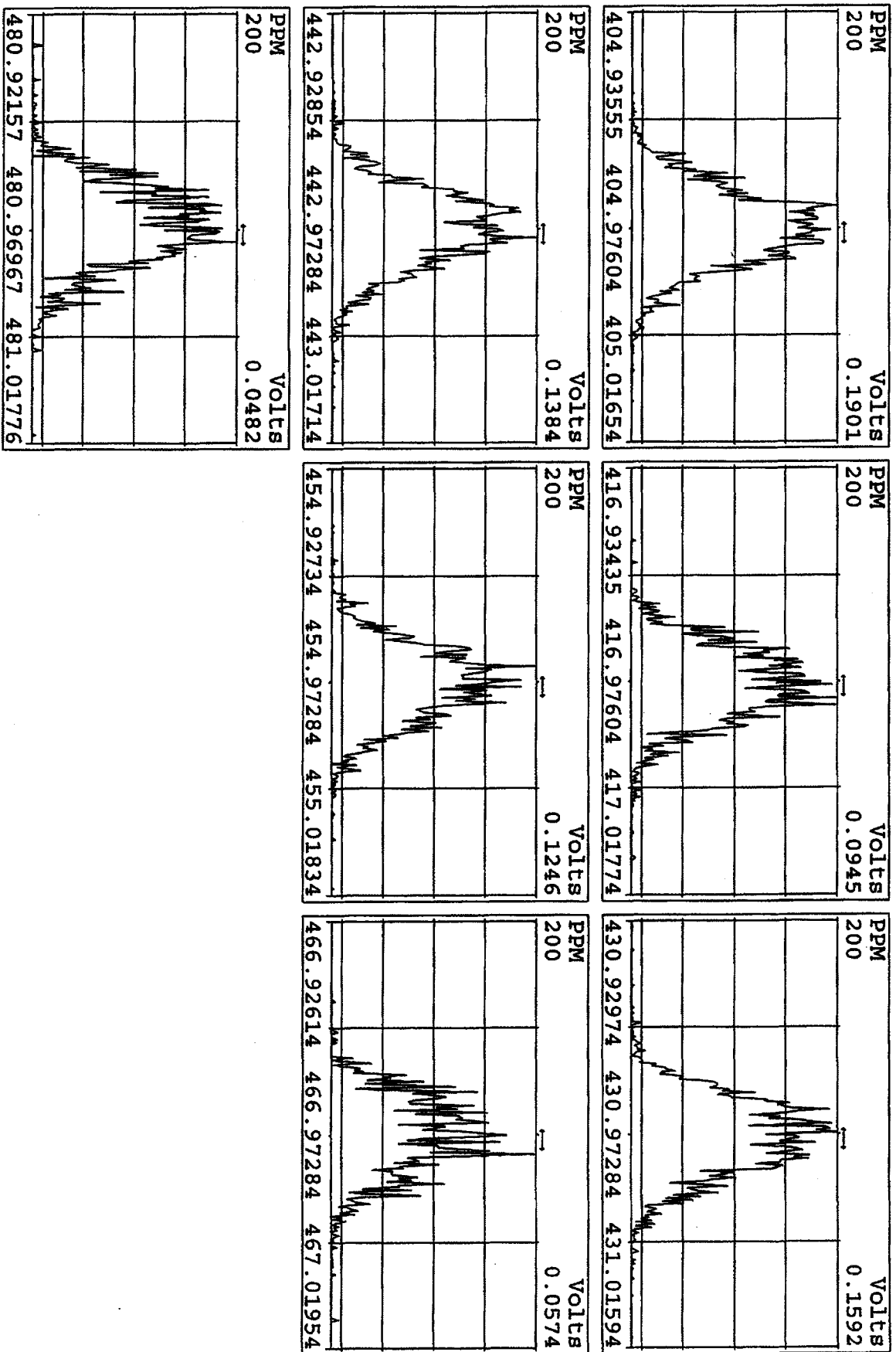
Peak Locate Examination: 14-APR-2010: 00:01 File: RESCHK12AP104D5
 Experiment: DIOXINRES8290A Function: 2 Reference: PFK



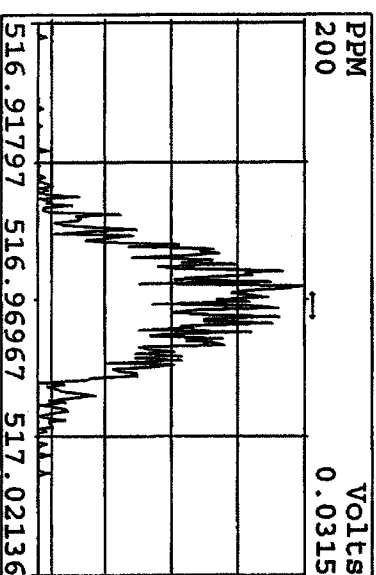
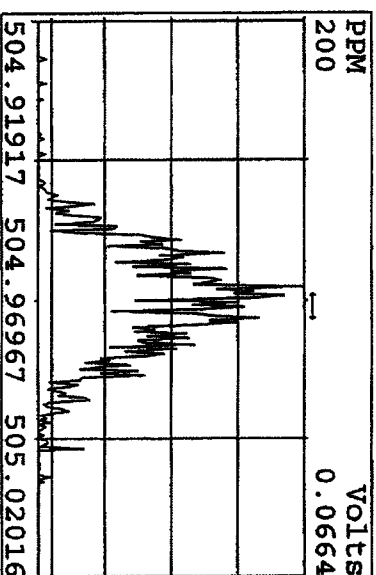
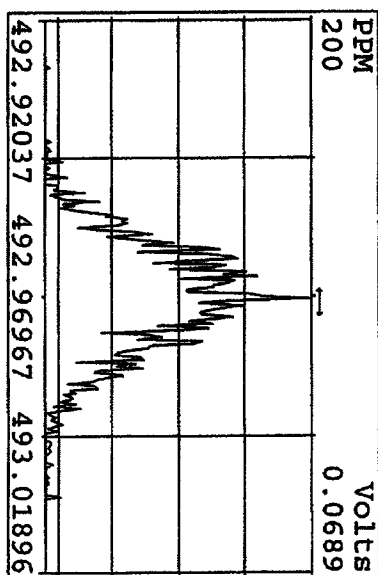
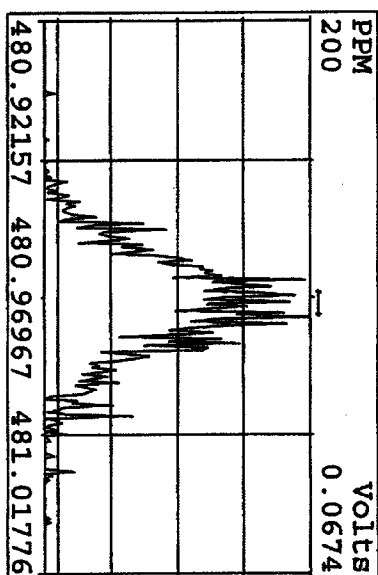
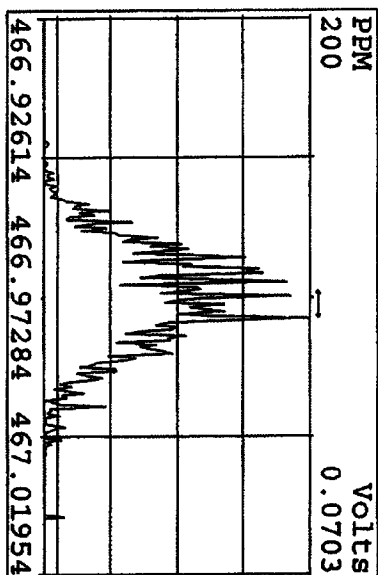
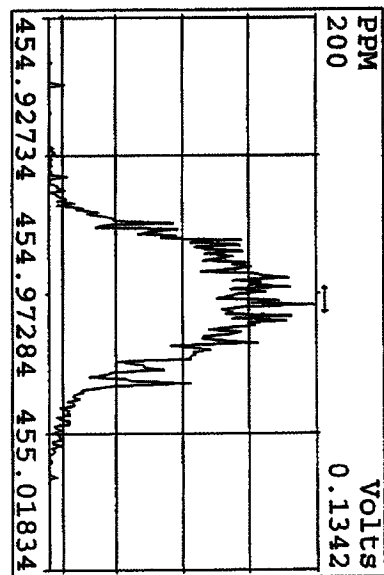
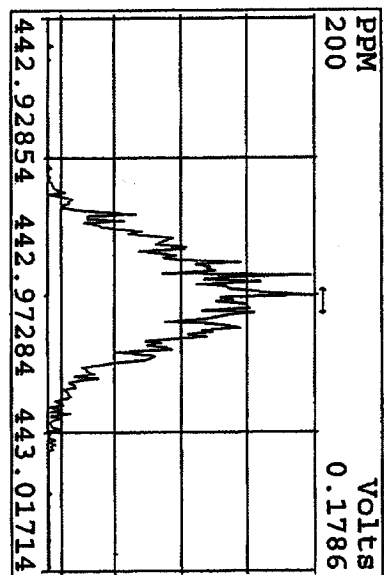
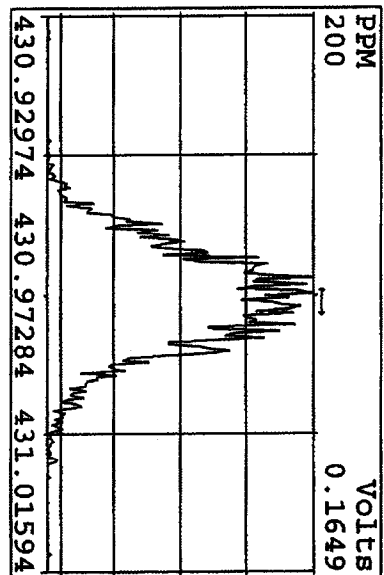
Peak Locate Examination: 14-APR-2010:00:01 File: RESCHK12API104DS
 Experiment: DIOXINRES8290A Function: 3 Reference: PFK



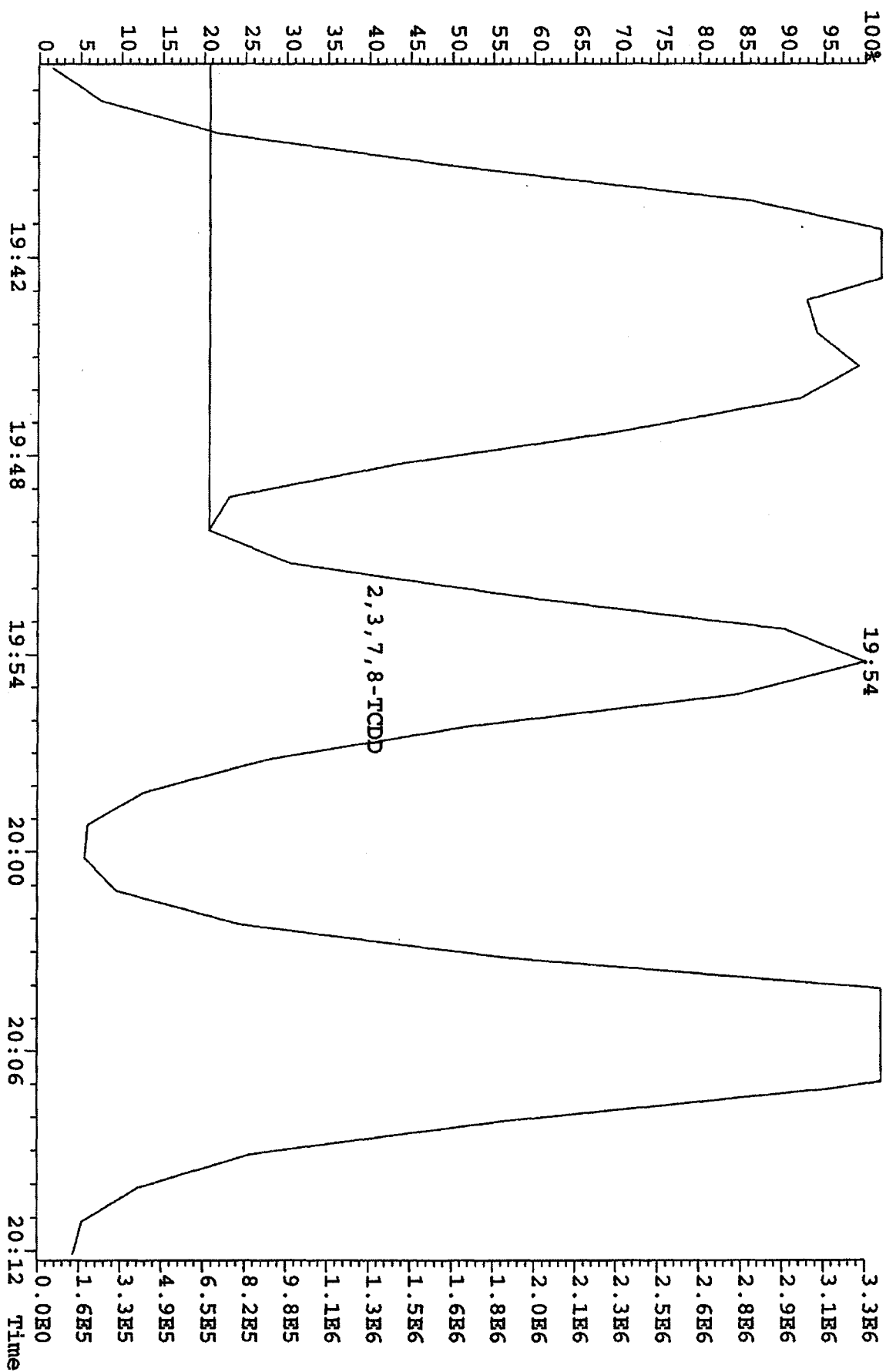
Peak Locate Examination: 14-APR-2010:00:02 File: RESCHK12AP104DS
 Experiment: DIOXINRES8290A Function: 4 Reference: PFK



Peak Locate Examination: 14-APR-2010:00:03 File: RESCHK12AP104D5
 Experiment: DIOXINRES8290A Function: 5 Reference: PFK



File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC FI+ Voltage SIR Autospec-Ultimate
321.8936 BSUB(128,15,-3.0) Exp:DIOXINRES8290A Noise:14

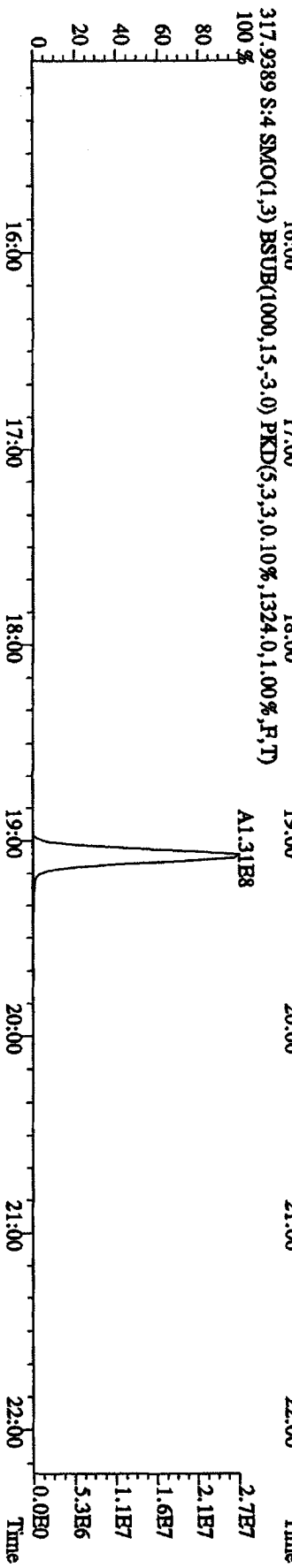
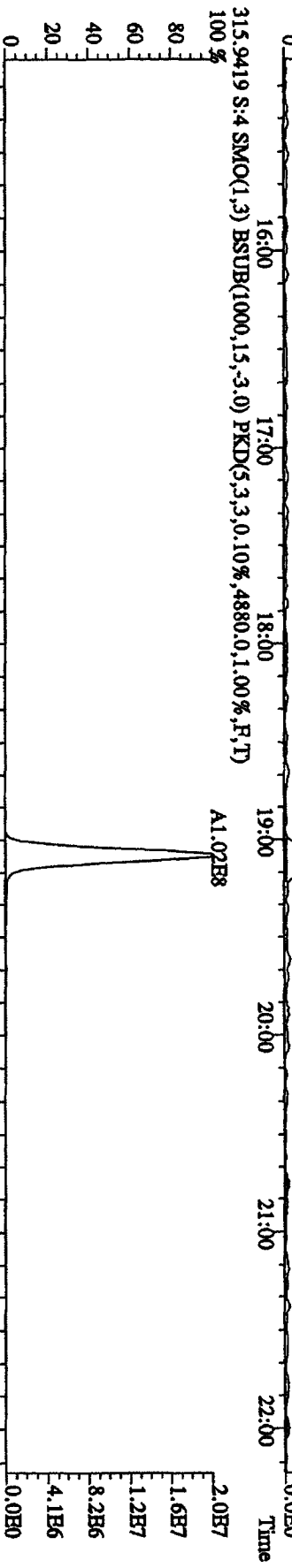
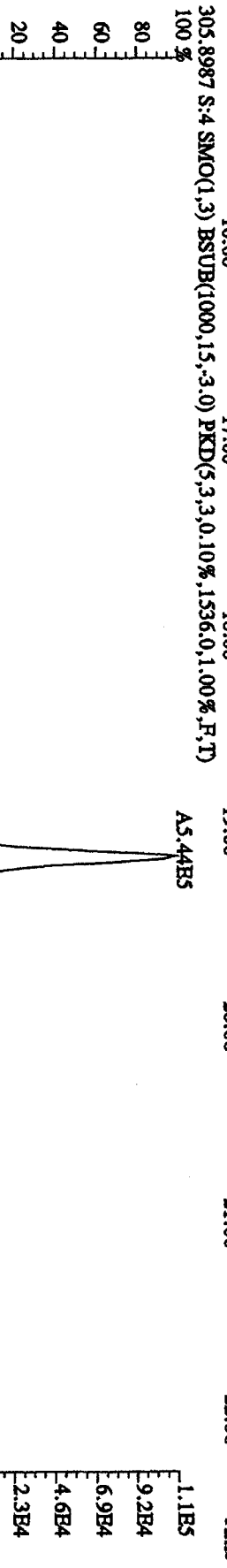
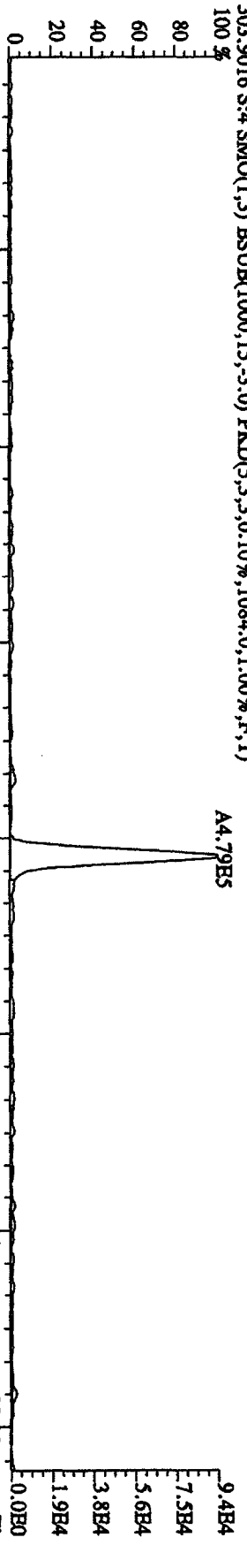


Run text: ST0412E Sample text: ST0412E :2nd Source 09DXN449
 Run #6 Filename: 12AP104D5 S: 7 I: 1 Results: 12AP104D58290A
 Acquired: 12-APR-10 13:00:53 Processed: 12-APR-10 13:48:00
 Run: 12AP104D5 Analyte: 8290A Cal: 8290A0412104D5
 Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

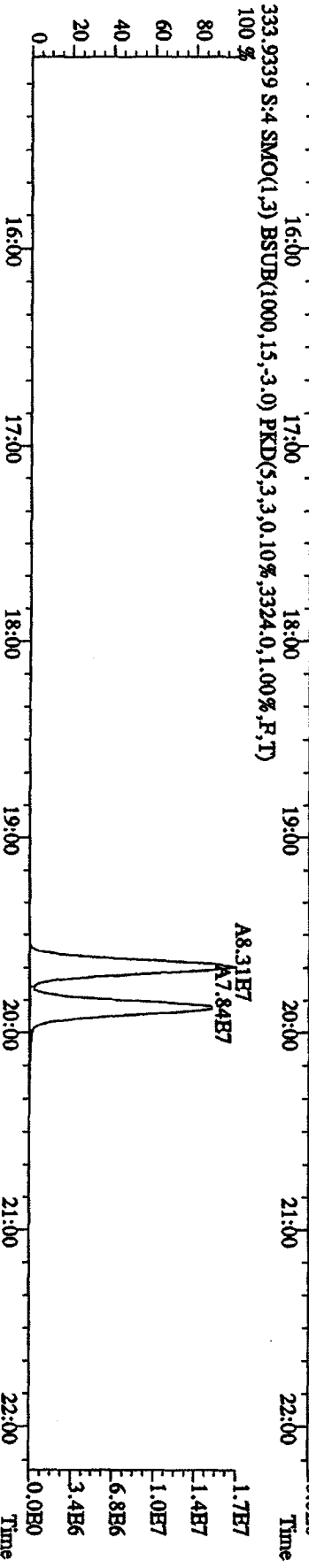
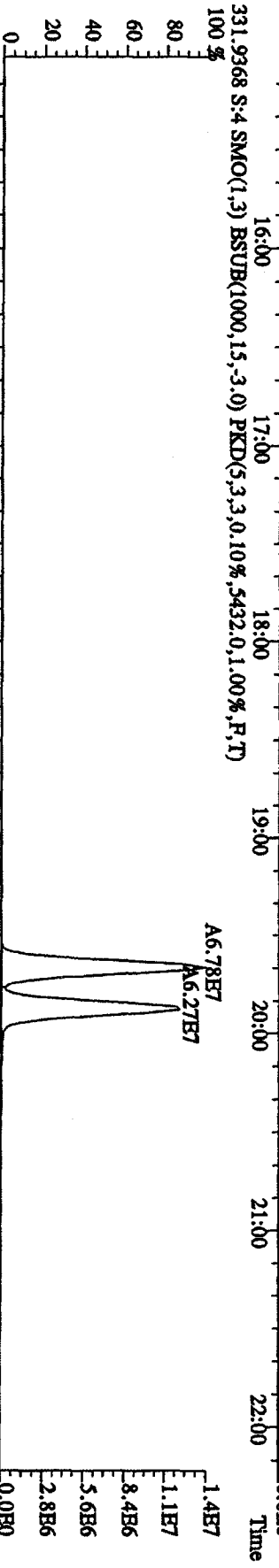
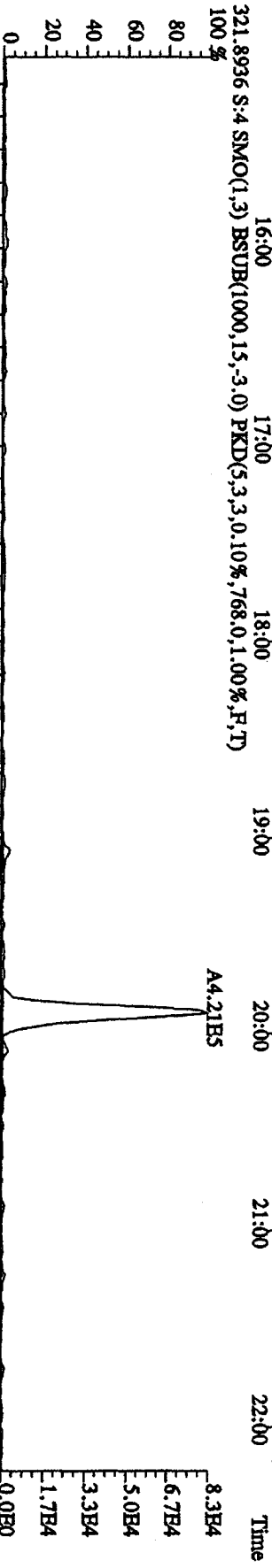
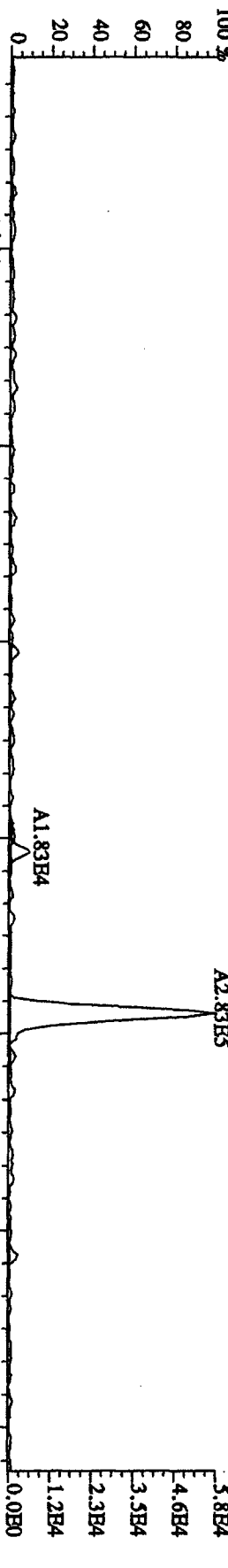
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	151409600	0.82 y	19:40	-	113.81	-	-	n
13C-2,3,7,8-TCDF	230171000	0.79 y	19:04	1.52	1999.28	0.93	100.0	n
2,3,7,8-TCDF	21242270	0.79 y	19:05	0.95	195.26	0.34	-	n
Total TCDF	21588235	1.02 n	18:04	0.95	198.44	0.34	-	n
13C-2,3,7,8-TCDD	152072000	0.79 y	19:52	0.95	2115.17	1.71	105.8	n
2,3,7,8-TCDD	15275820	0.77 y	19:53	1.02	196.77	0.50	-	n
Total TCDD	15275820	0.77 y	19:53	1.02	196.77	0.50	-	n
37Cl-2,3,7,8-TCDD	37521800	1.00 y	19:53	2.26	219.18	0.48	109.6	n
13C-1,2,3,7,8-PeCDF	168794500	1.54 y	24:49	1.05	2122.81	0.96	106.1	n
1,2,3,7,8-PeCDF	42754900	1.53 y	24:50	1.04	484.89	0.77	-	n
2,3,4,7,8-PeCDF	39304600	1.50 y	26:21	0.98	474.17	0.82	-	n
Total F2 PeCDF	83226107	0.21 n	23:12	1.01	972.70	0.79	-	n
Total F1 PeCDF	10469	0.45 n	16:46	1.01	0.12	0.61	-	n
13C-1,2,3,7,8-PeCDD	109679100	1.54 y	27:09	0.67	2160.84	0.25	108.0	n
1,2,3,7,8-PeCDD	25416700	1.60 y	27:11	0.98	472.01	0.97	-	n
Total PeCDD	25446396	1.18 n	24:49	0.98	472.56	0.97	-	n
13C-1,2,3,7,8,9-HxCDD	113147700	1.27 y	33:11	-	110.11	-	-	n
13C-1,2,3,4,7,8-HxCDF	123877600	0.52 y	32:02	1.02	2136.54	0.23	106.8	n
1,2,3,4,7,8-HxCDF	37911400	1.23 y	32:03	1.21	504.76	0.33	-	n
1,2,3,6,7,8-HxCDF	40651300	1.15 y	32:10	1.34	488.77	0.30	-	n
2,3,4,6,7,8-HxCDF	35521200	1.16 y	32:43	1.22	469.20	0.32	-	n
1,2,3,7,8,9-HxCDF	31499000	1.17 y	33:21	1.09	465.51	0.36	-	n
Total HxCDF	145654993	1.64 n	30:59	1.22	1929.19	0.33	-	n
13C-1,2,3,6,7,8-HxCDD	96396500	1.28 y	32:55	0.81	2111.23	0.43	105.6	n
1,2,3,4,7,8-HxCDD	26232400	1.22 y	32:51	1.01	540.61	0.40	-	n
1,2,3,6,7,8-HxCDD	26144300	1.25 y	32:56	1.11	486.96	0.36	-	n
1,2,3,7,8,9-HxCDD	28011100	1.25 y	33:11	1.21	480.69	0.33	-	n
Total HxCDD	80387800	1.22 y	32:51	1.11	1508.26	0.36	-	n
13C-1,2,3,4,6,7,8-HpCDF	106632500	0.43 y	34:41	0.86	2185.09	4.33	109.3	n
1,2,3,4,6,7,8-HpCDF	33859900	0.94 y	34:42	1.31	484.91	1.62	-	n
1,2,3,4,7,8,9-HpCDF	26897700	0.96 y	35:50	1.03	491.88	2.07	-	n
Total HpCDF	61065054	0.94 y	34:42	1.17	981.73	1.82	-	n
13C-1,2,3,4,6,7,8-HpCDD	86175900	1.05 y	35:30	0.70	2183.88	1.23	109.2	n
1,2,3,4,6,7,8-HpCDD	22374800	1.02 y	35:31	1.07	484.47	1.05	-	n
Total HpCDD	22766213	0.81 n	34:57	1.07	492.95	1.05	-	n
13C-OCDD	132677900	0.90 y	38:01	0.53	4413.39	0.40	110.3	n

OCDF	45645500	0.90 y	38:08	1.45	952.11	0.72	-	n
OCDD	37812000	0.89 y	38:02	1.17	977.46	1.35	-	n

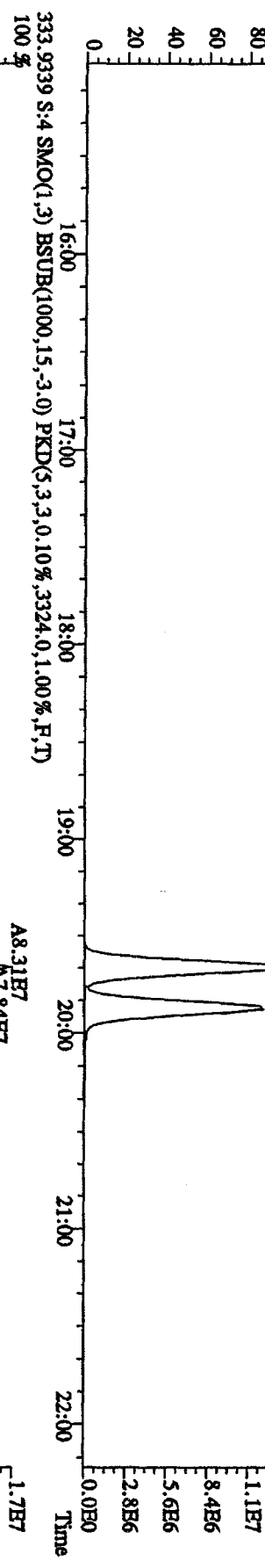
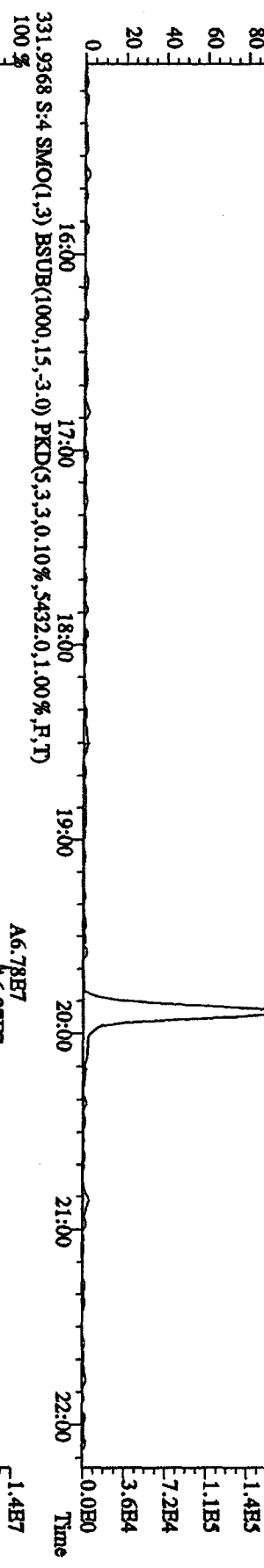
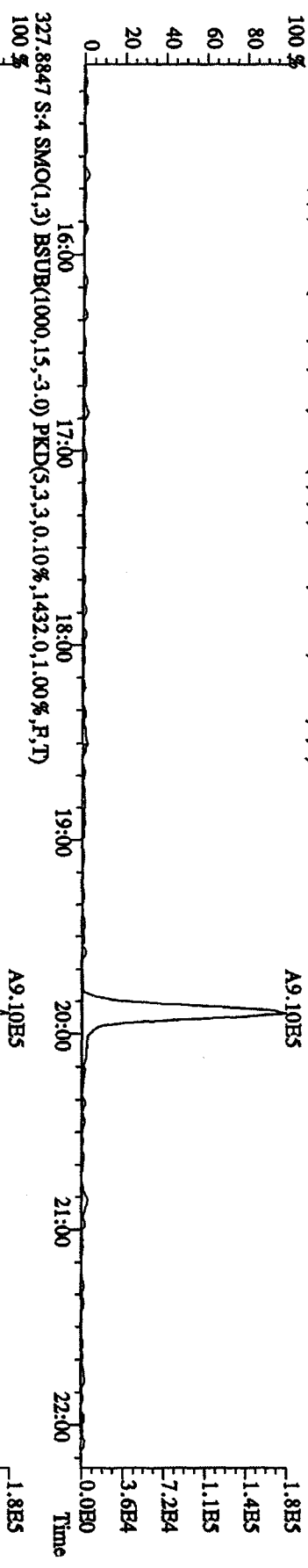
File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRBS8290A
 303.9016 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1084.0,1.00%,F,T)
 100 %



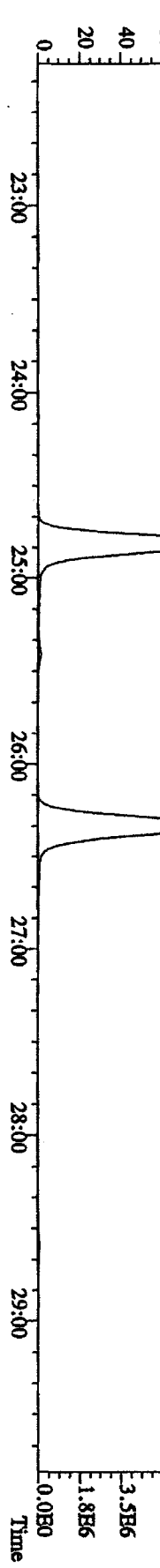
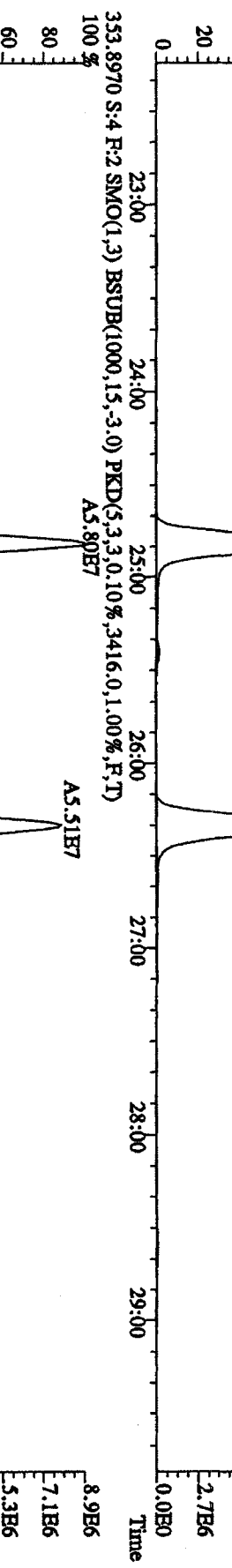
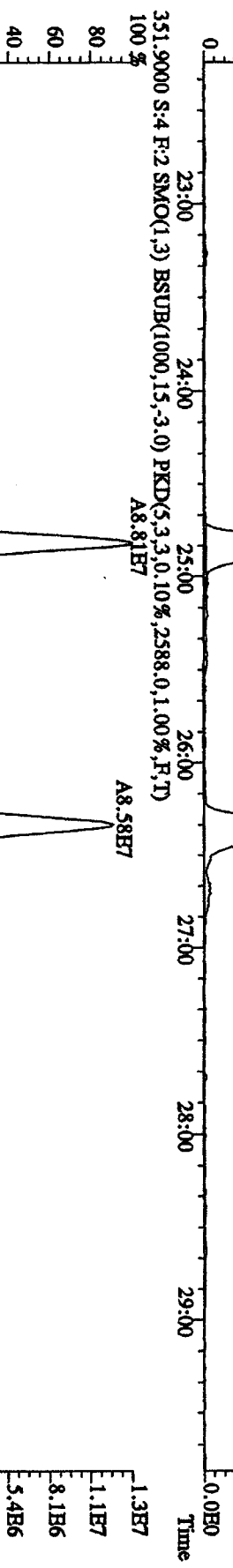
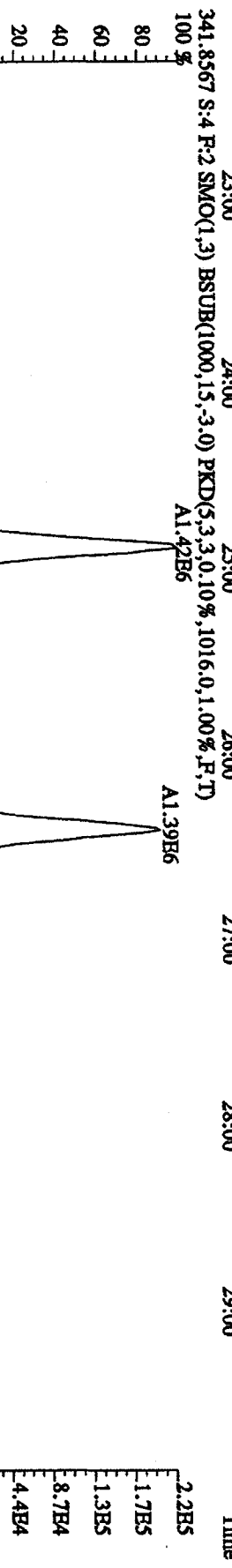
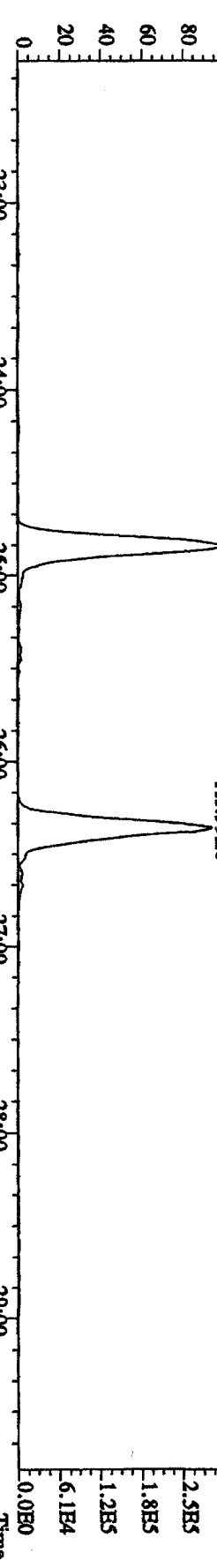
File: 12AP104D5 #1-435 Acq: 12-APR-2010 10:48:47 GC BI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRES8290A
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,840.0,1.00%,F,T)



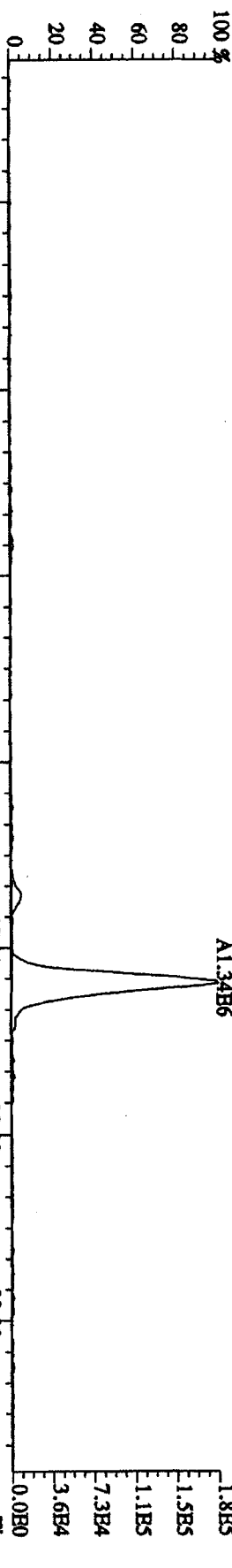
File: 12AP104D5 #1-435 Acq: 12-APR-2010 10:48:47 GC BI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRES8290A
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1432.0,1.00%,F,T) 100%
 327.8847 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1432.0,1.00%,F,T) 100%



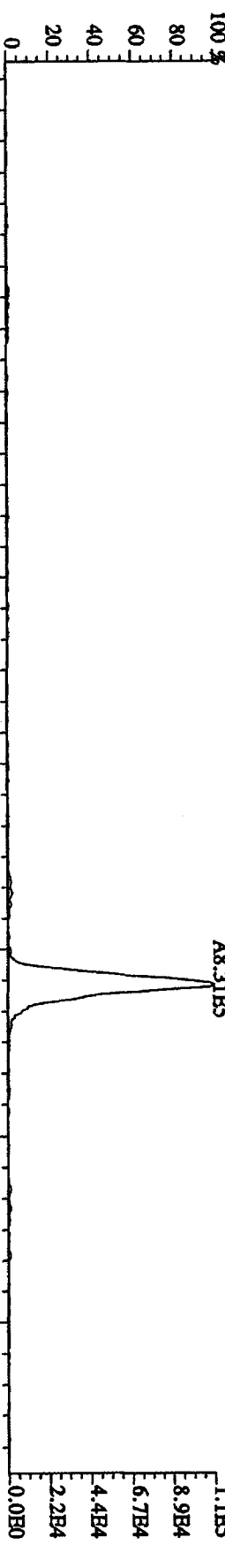
File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltraB
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 339.8597 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,400.0,1.00%,F,T)
 100%



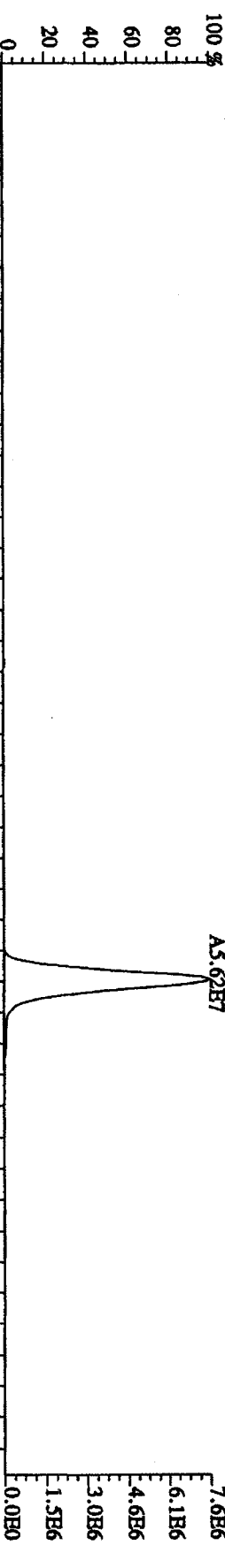
File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC:EI+ Voltage:50V S/R Autospec-UltimaB
Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,732.0,1.00%,F,T)



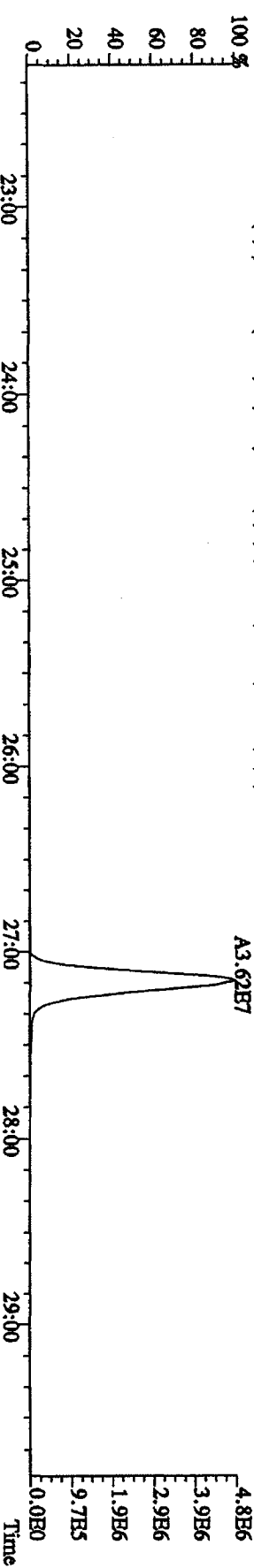
357.8516 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,140.0,1.00%,F,T)



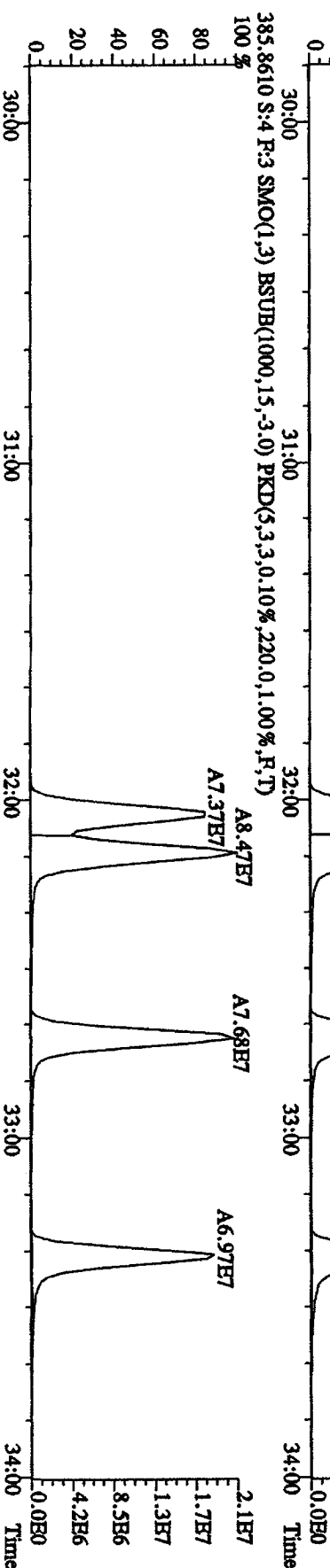
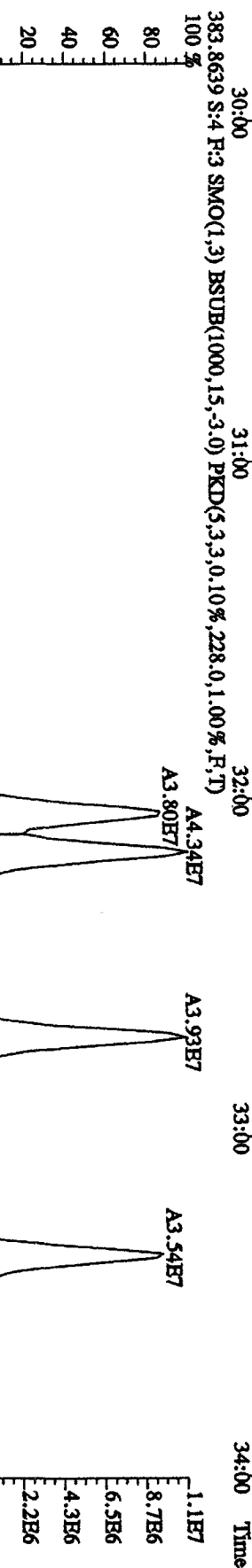
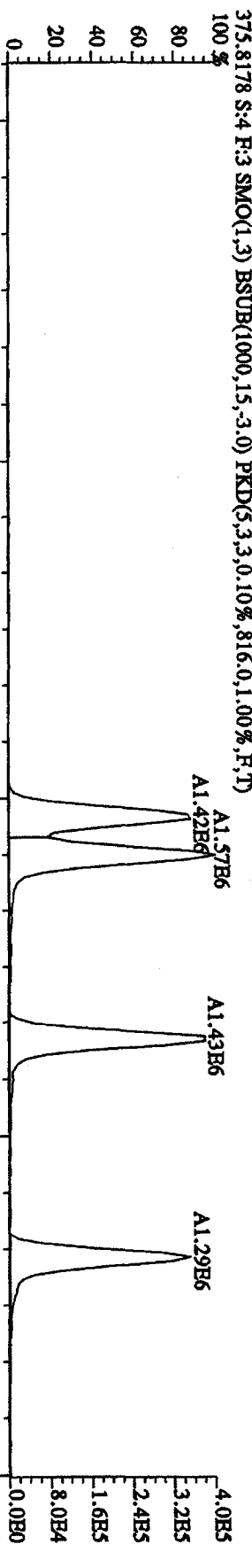
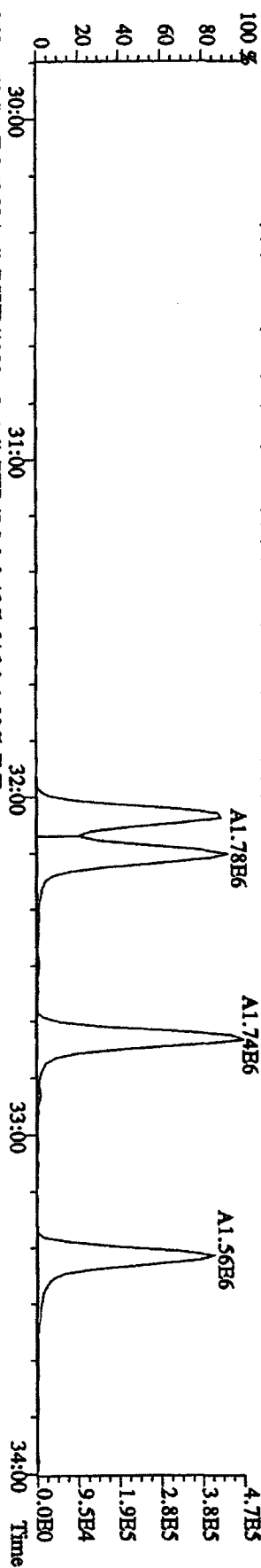
367.8949 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,240.0,1.00%,F,T)



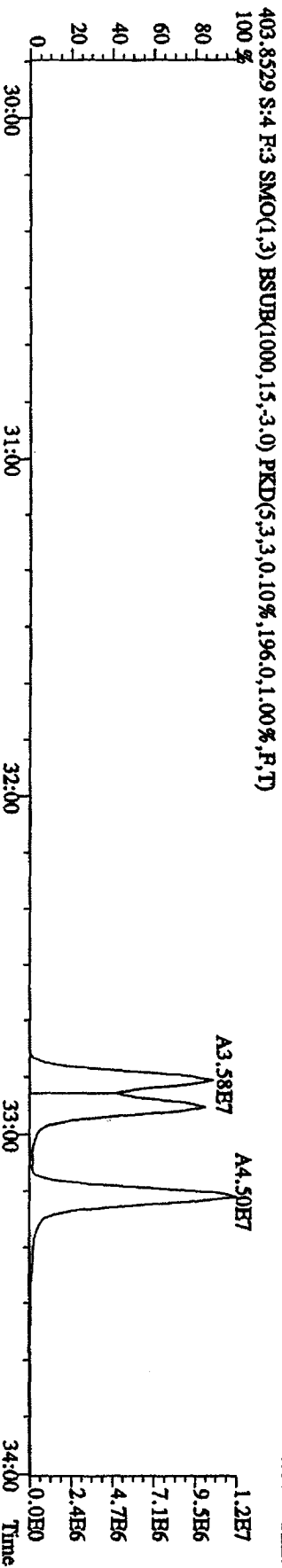
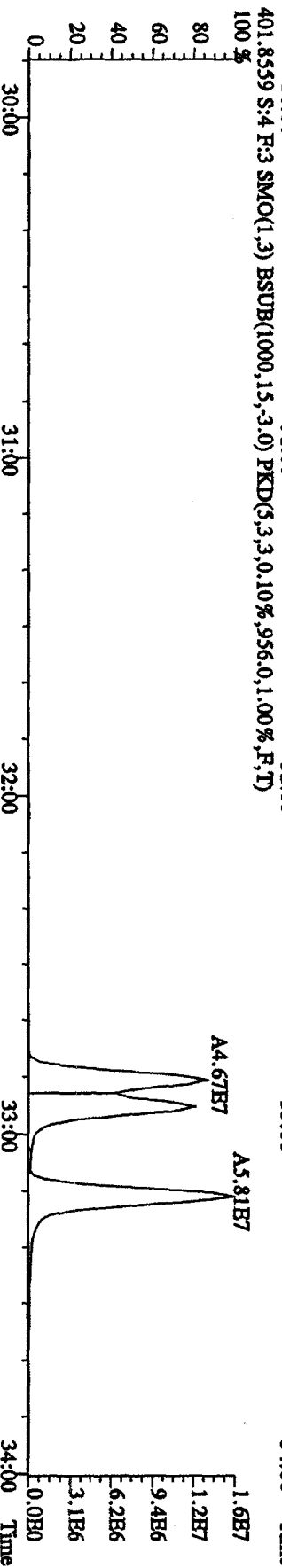
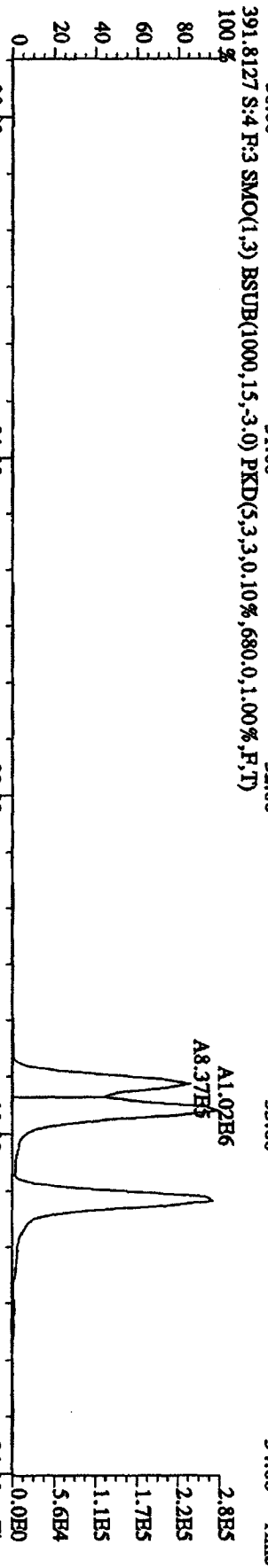
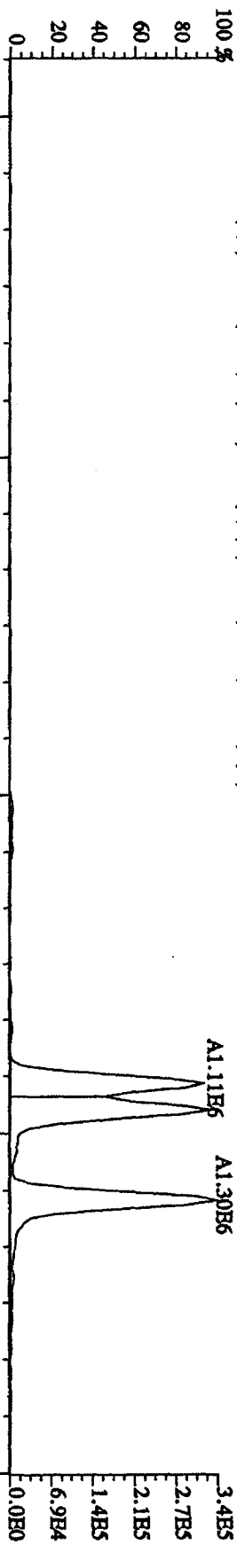
369.8919 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,220.0,1.00%,F,T)



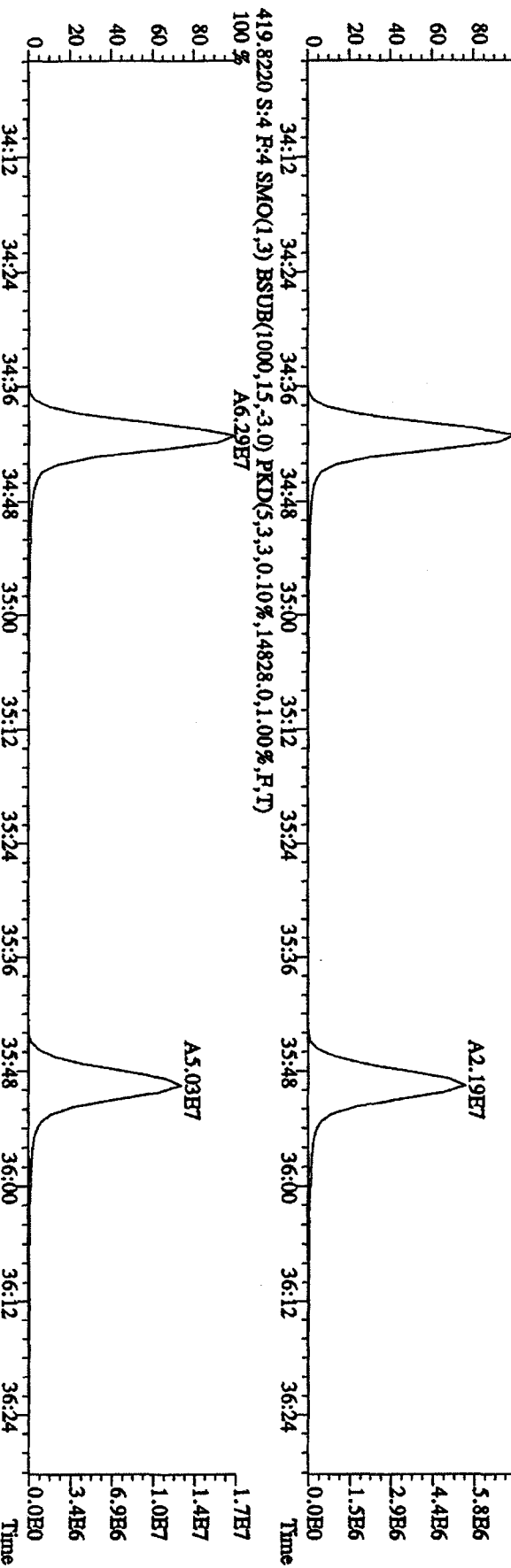
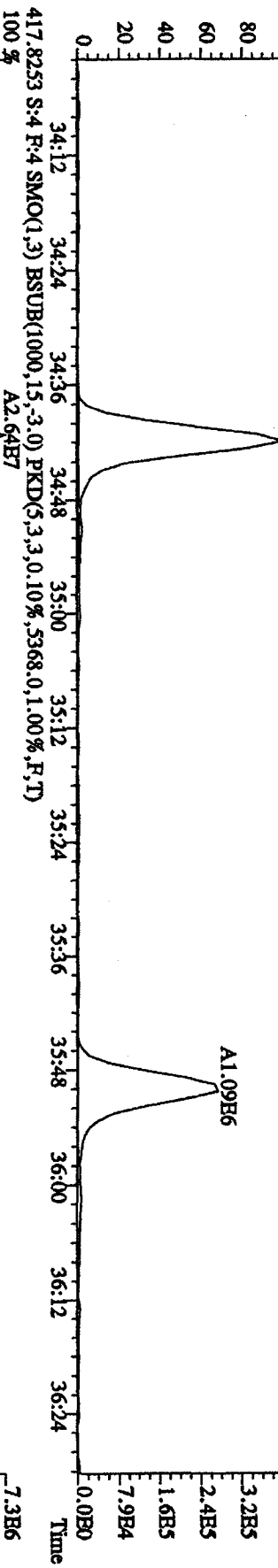
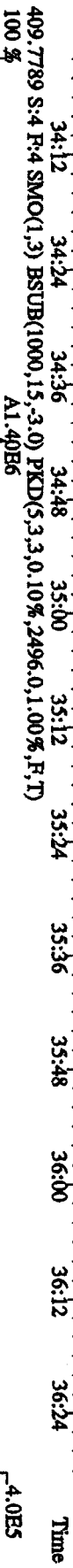
File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1420,0,1.00%,F,T)



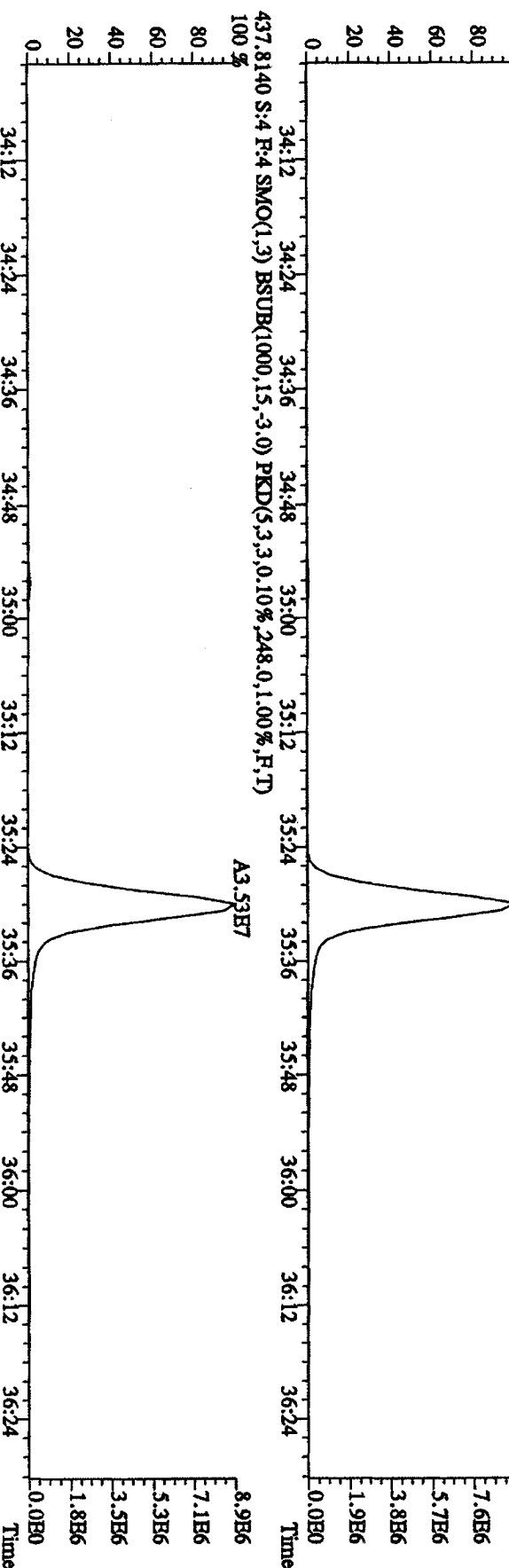
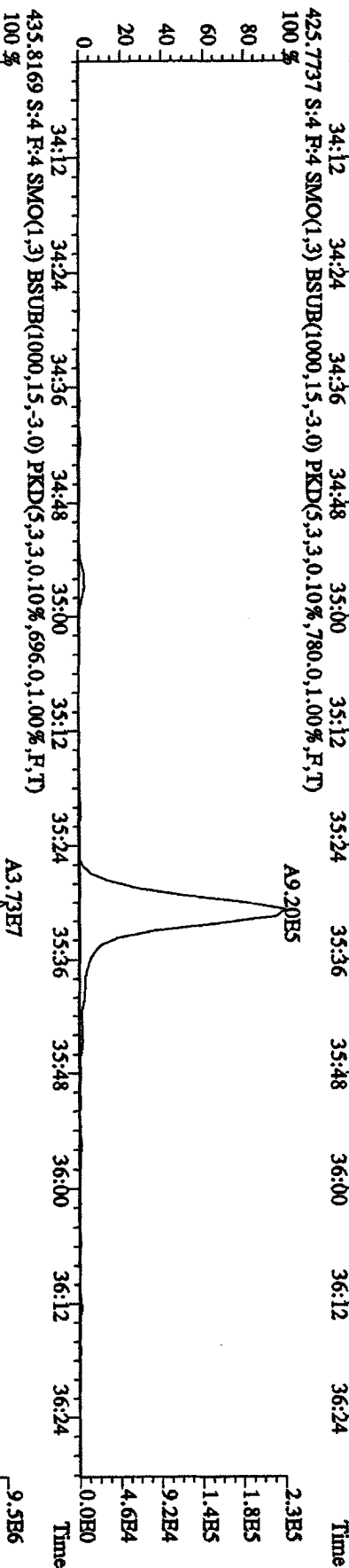
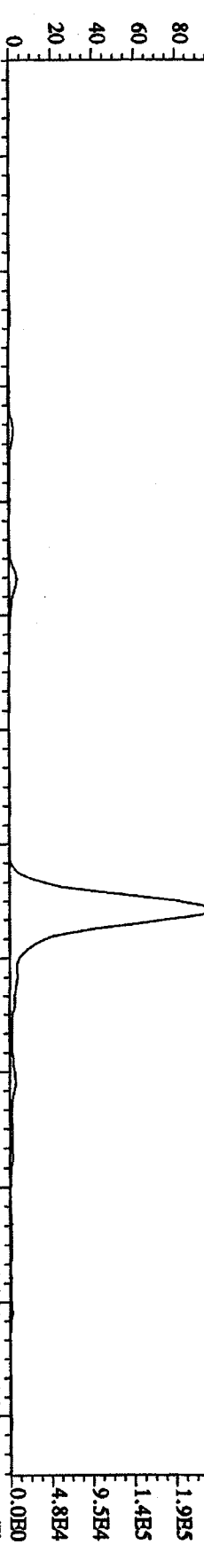
File: 12AP104D5 #1-317 Acq: 12-APR-2010 10:48:47 GC HI + Voltage SIR Autospec-UltimaB
 Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRESS8290A
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,828.0,1.00%,F,T)



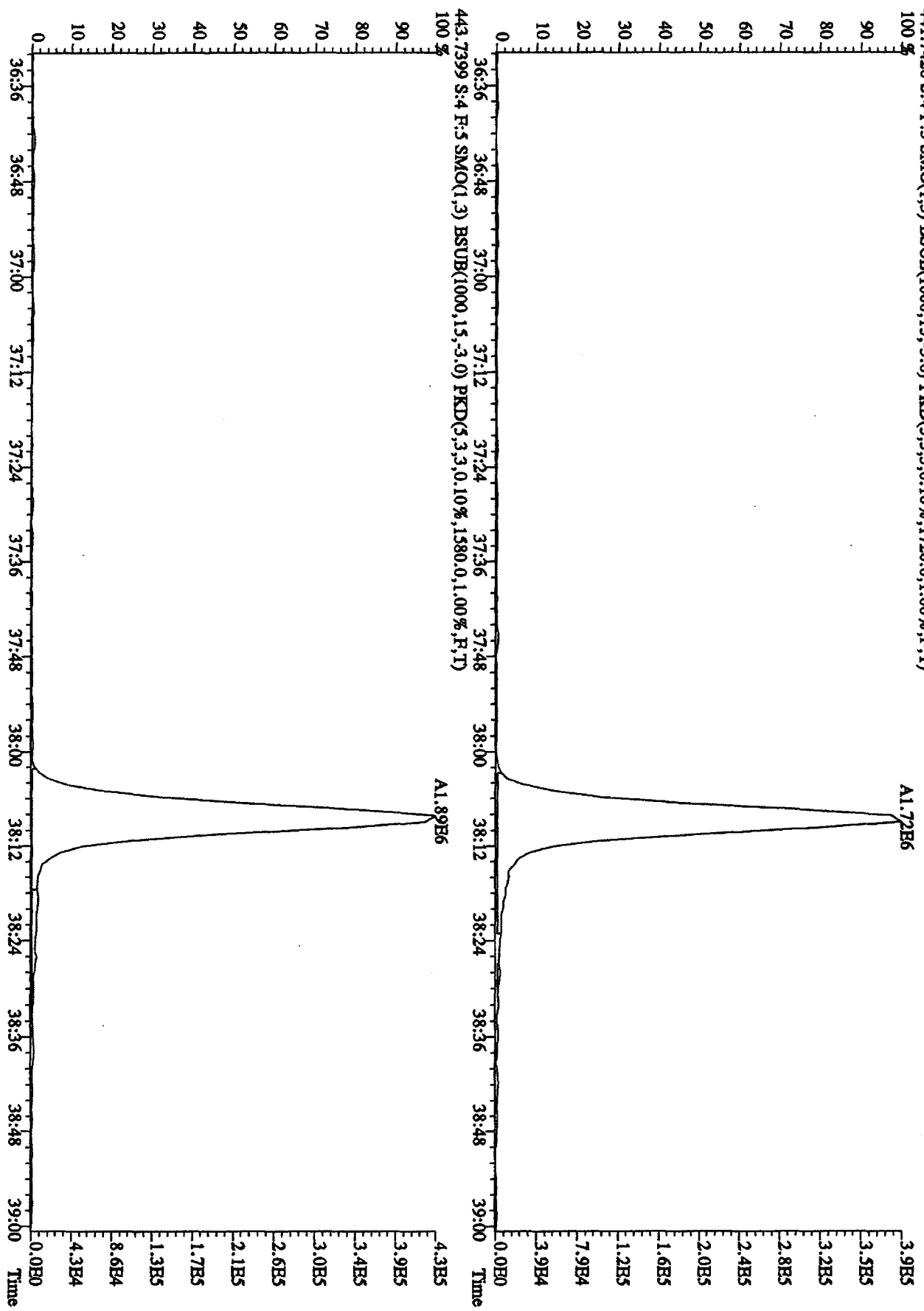
File:12ADP104D5 #1-198 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autoproc-Ultimate
 Sample#4 Tex:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 407.7818 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4044,0,1,00%,F,T)
 100%



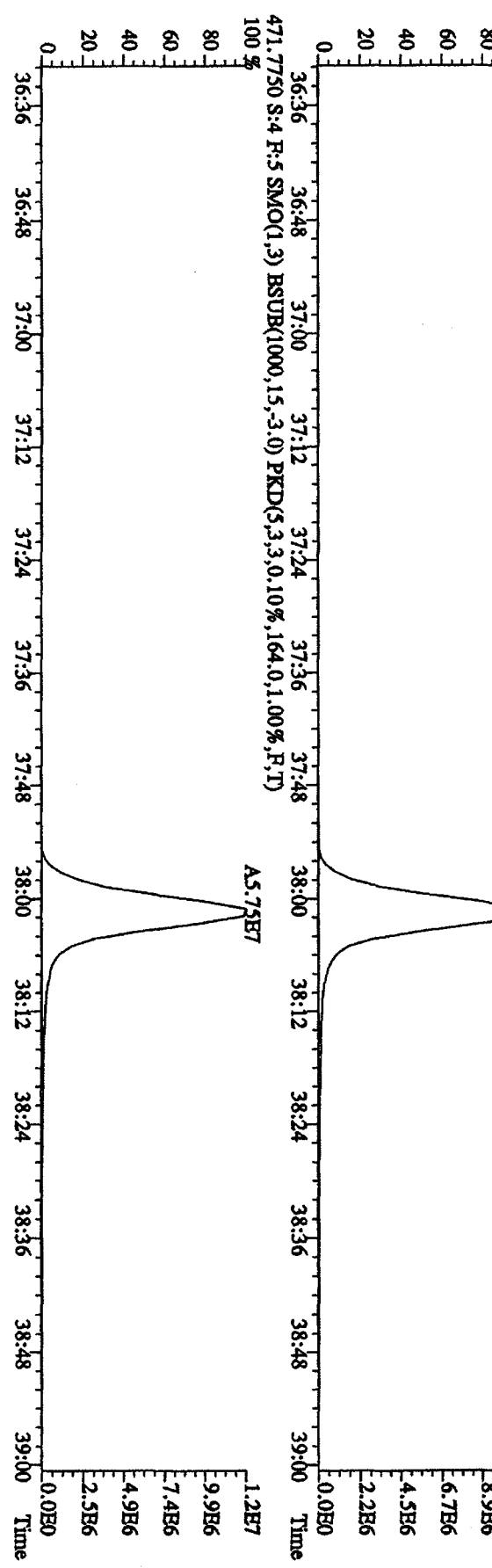
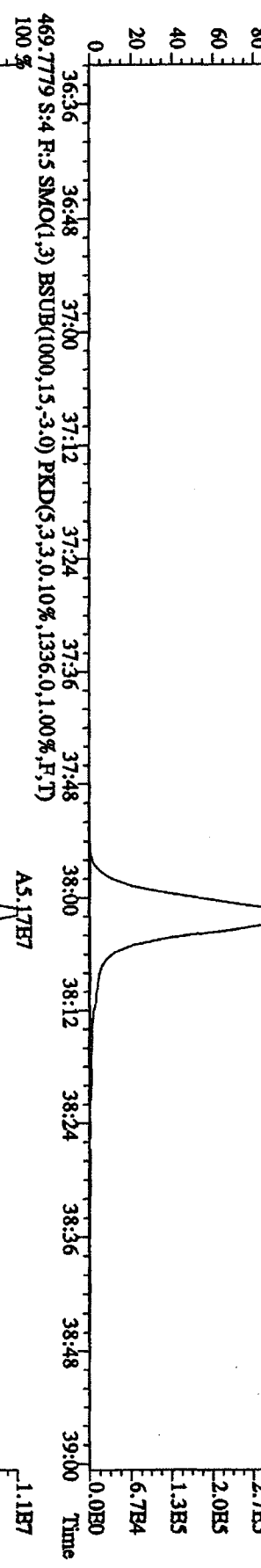
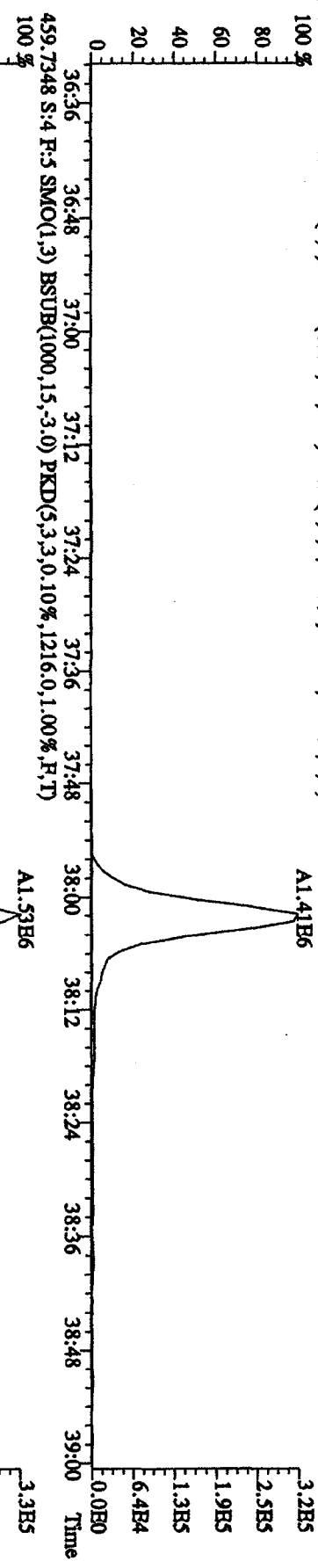
File: 12AP104D5 #1-198 Acq: 12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRBS8290A
 423.7737 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,780.0,1.00%,F,T)



File:12AIP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 441.7428 S:4 R:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1720,0,1,00%,F,T)



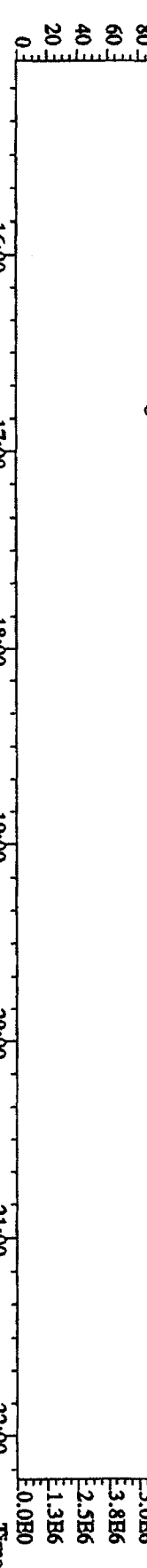
File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A
 457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1816.0,1.00%,F,T)
 100%



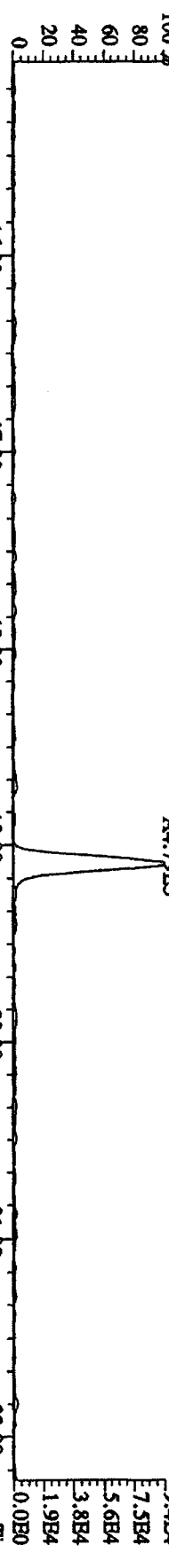
File:12AP104D5 #1-435 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UtimaH

Sample#4 Text:ST0412B :CS-1 09DYNK22 Exp:DIOXINRES8290A

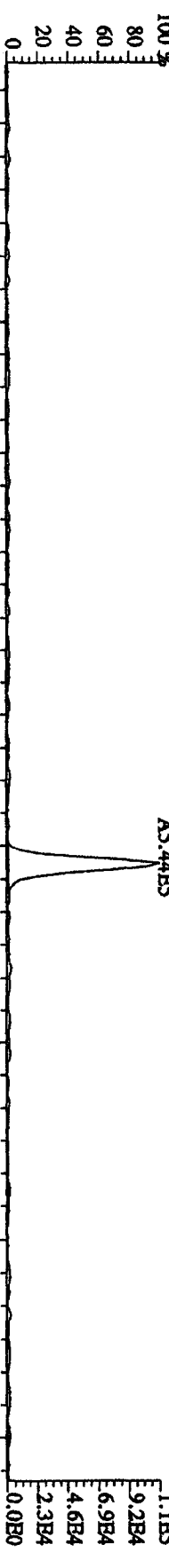
354.9792 S:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 15:16 15:56 16:19 16:52 17:15 17:38 18:00 18:27 18:56 19:39 20:27 20:58 21:20 21:44



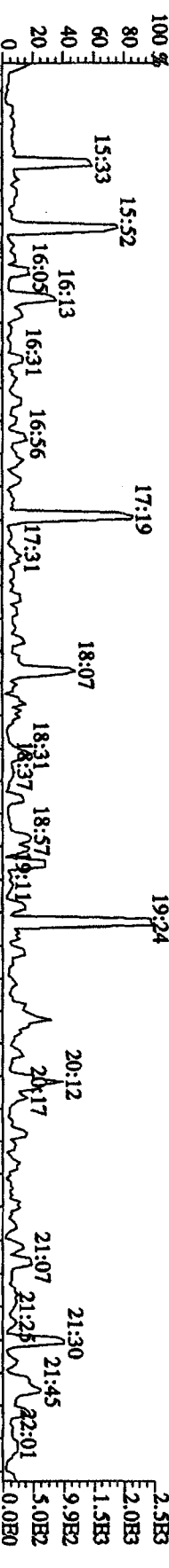
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1084.0,1.00%,F,T)



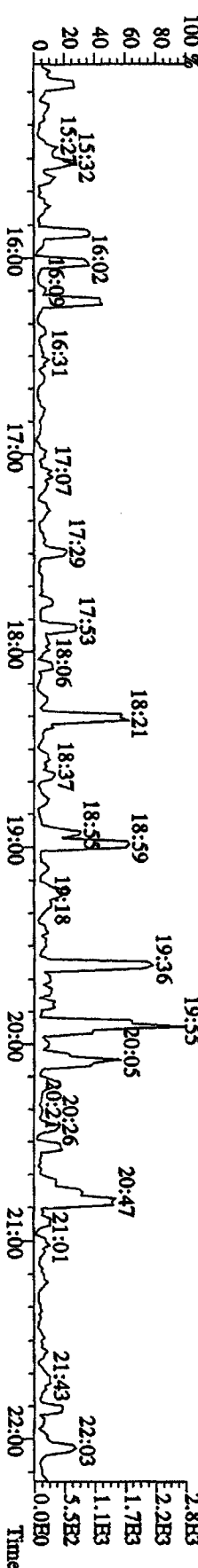
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1536.0,1.00%,F,T)



375.8364 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,196.0,1.00%,F,T)

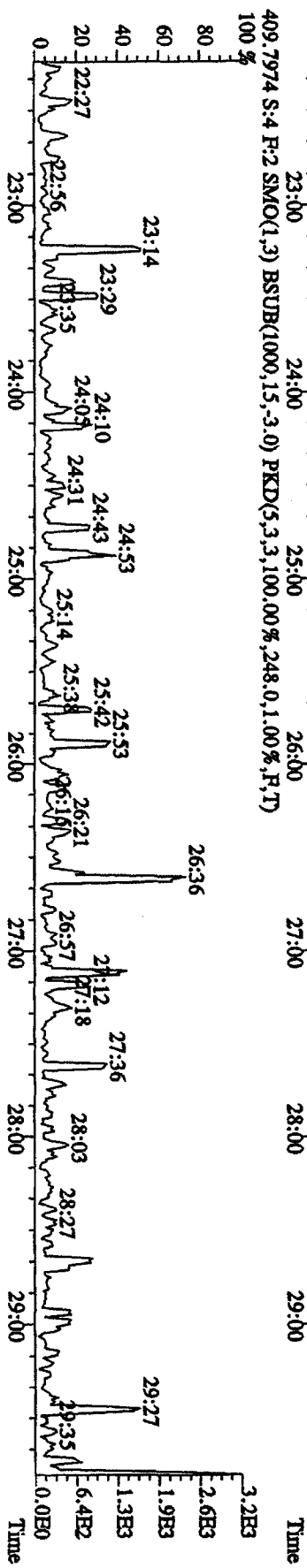
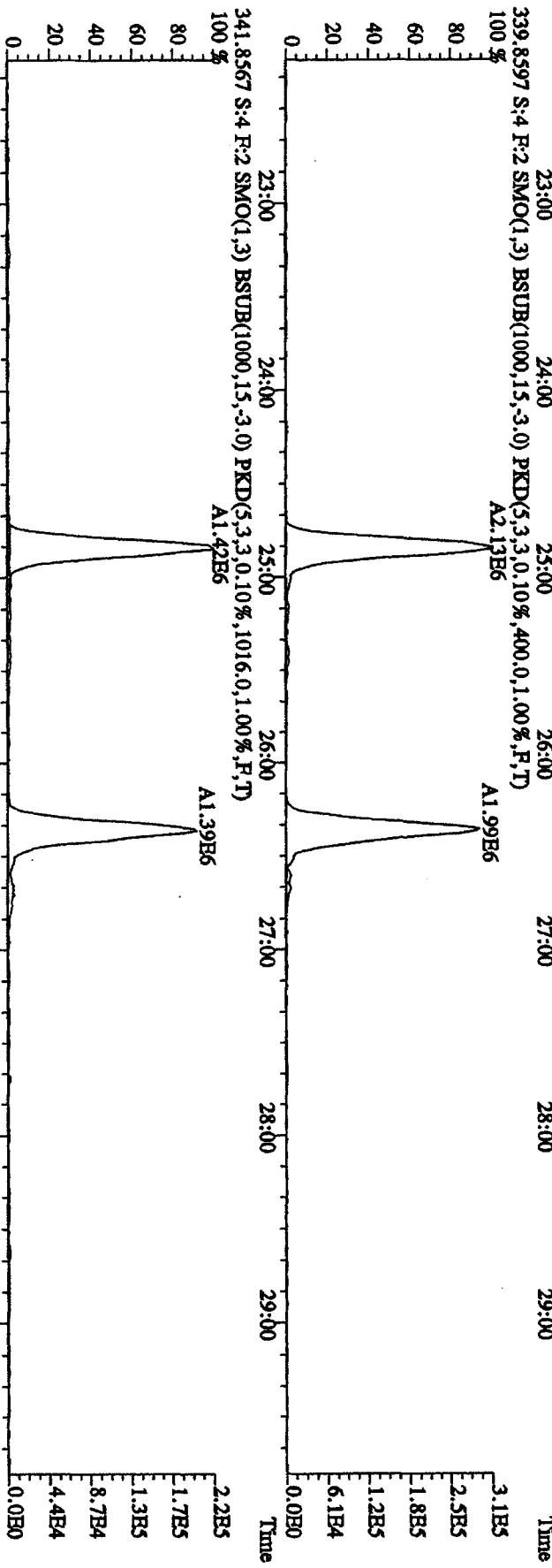
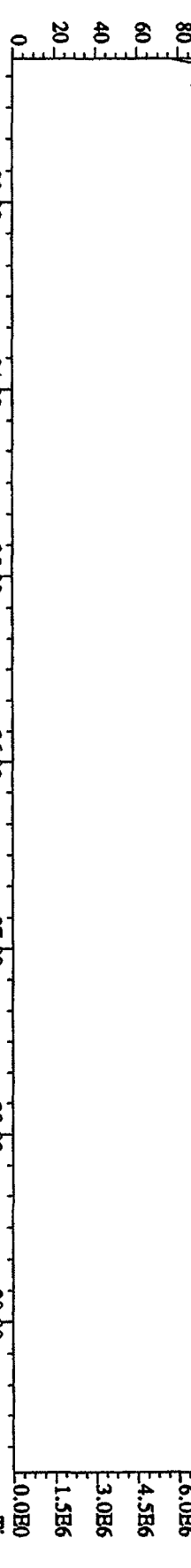


409.7974 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,176.0,1.00%,F,T)

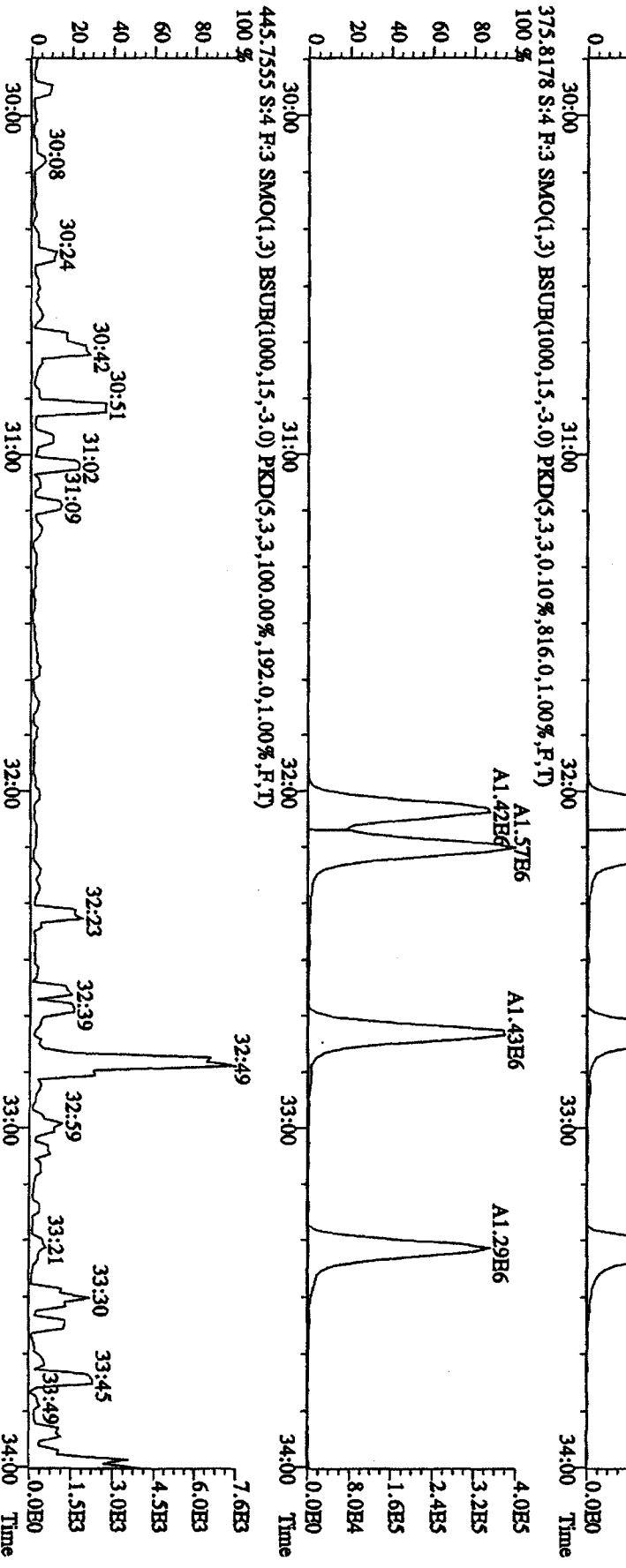
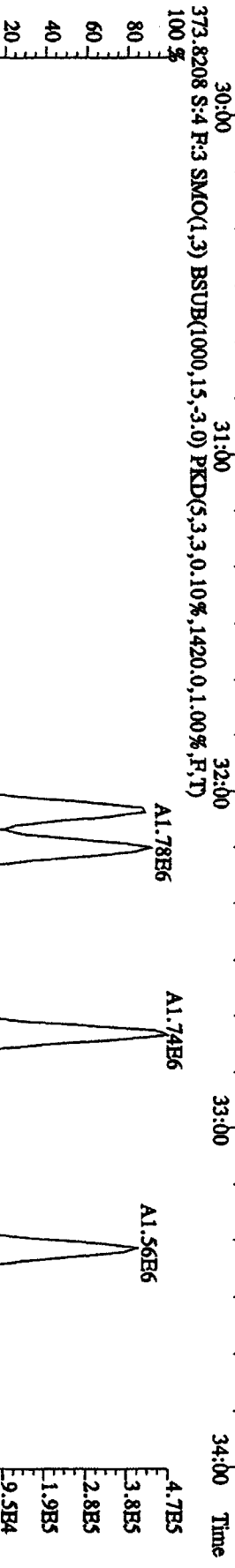
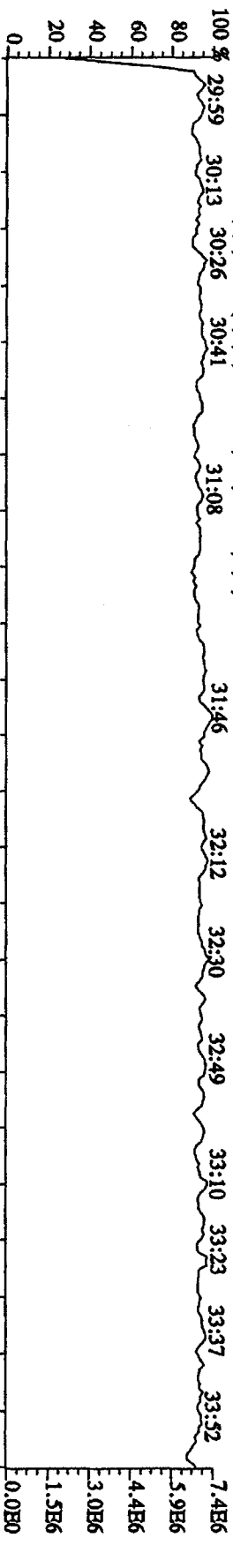


File:12AP104D5 #1-604 Acq:12-APR-2010 10:48:47 GC BI + Voltage SIR Autospec-UltraM

Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DI0XINRBS8290A

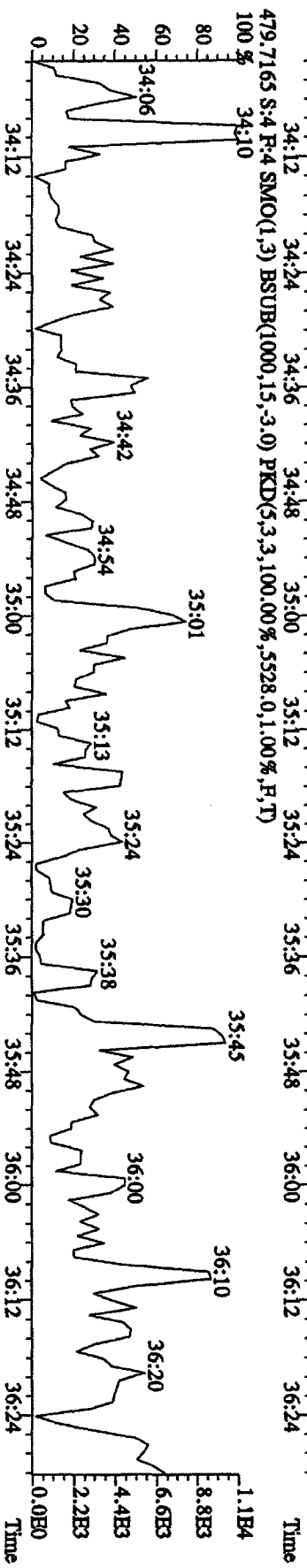
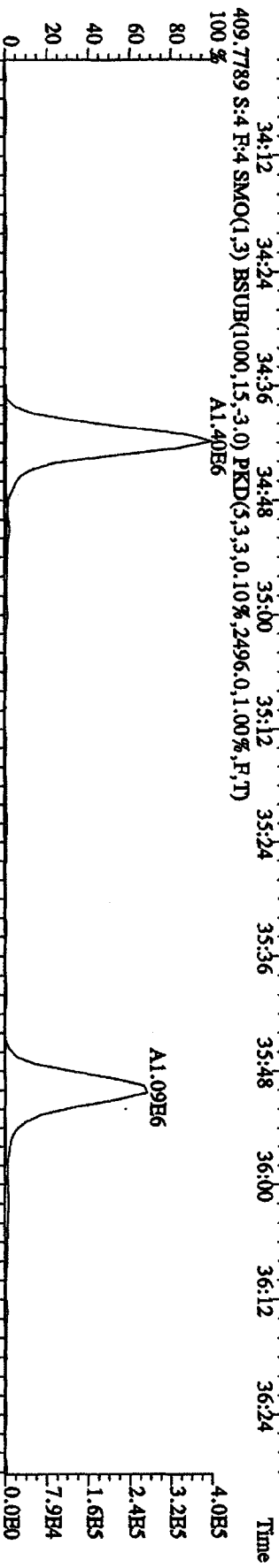
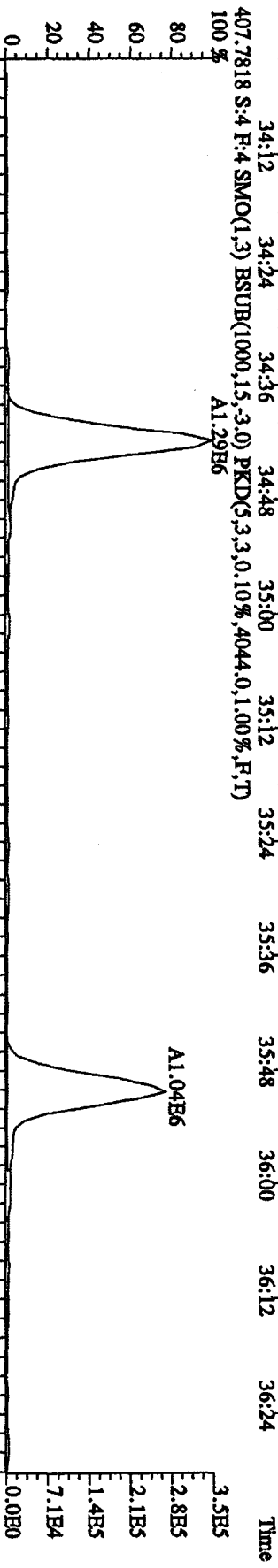
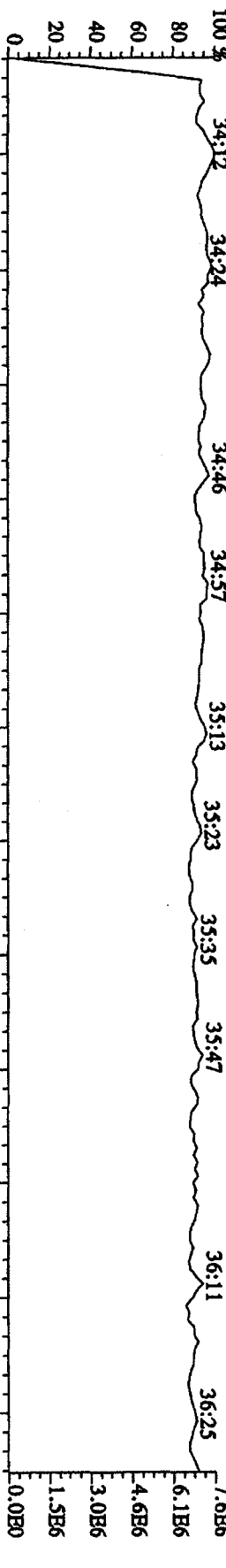


File:12AP104D5 #1-317 Acq:12-APR-2010 10:48:47 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#4 Text:ST0412B :CS-1 09DXN422 Exp:DIOXINRES8290A



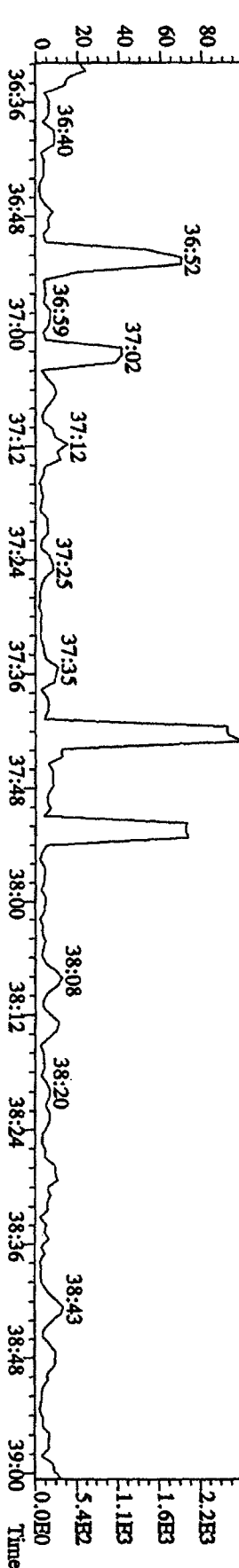
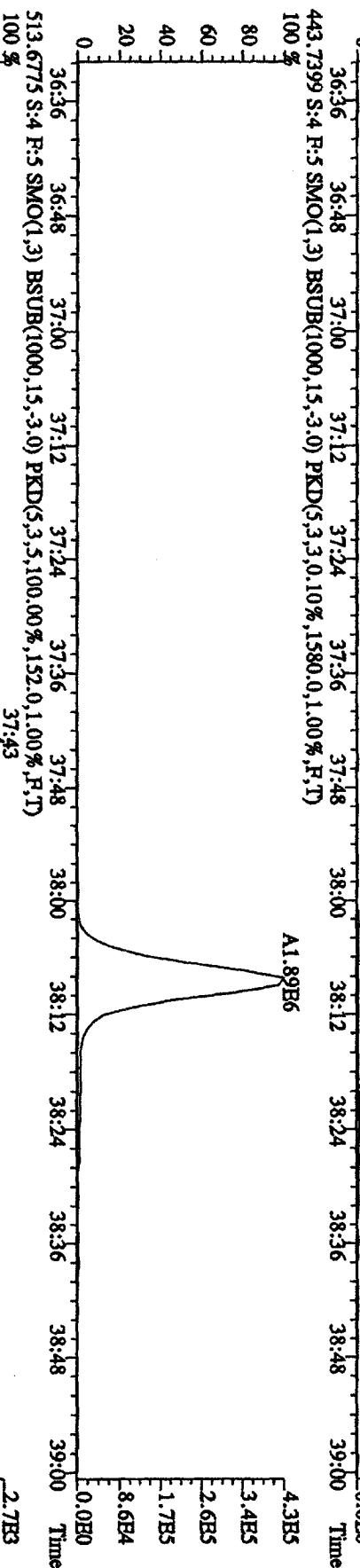
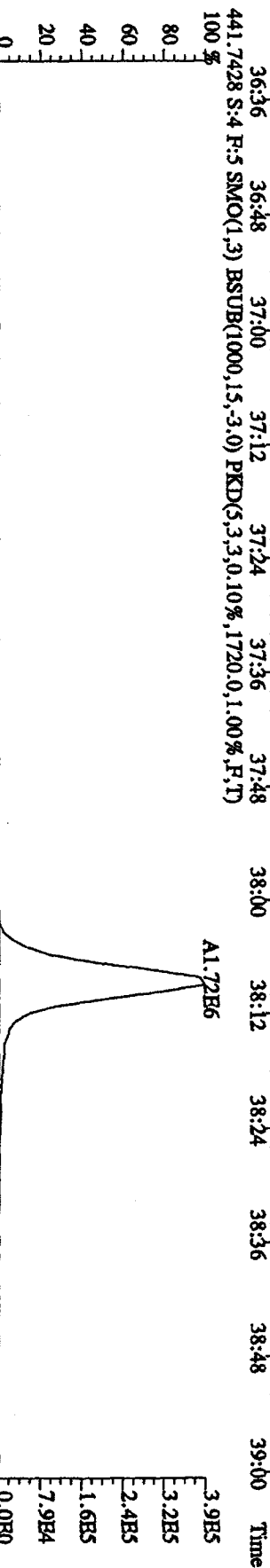
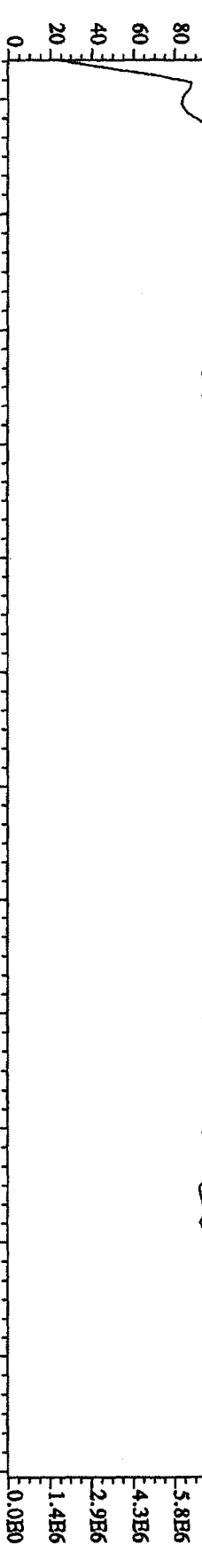
File: 12ADP104D5 #1-198 Acq: 12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimaH

Sample#4 Text: ST0412B :CS-1 09DXN422 Exp: DIOXINRES8290A

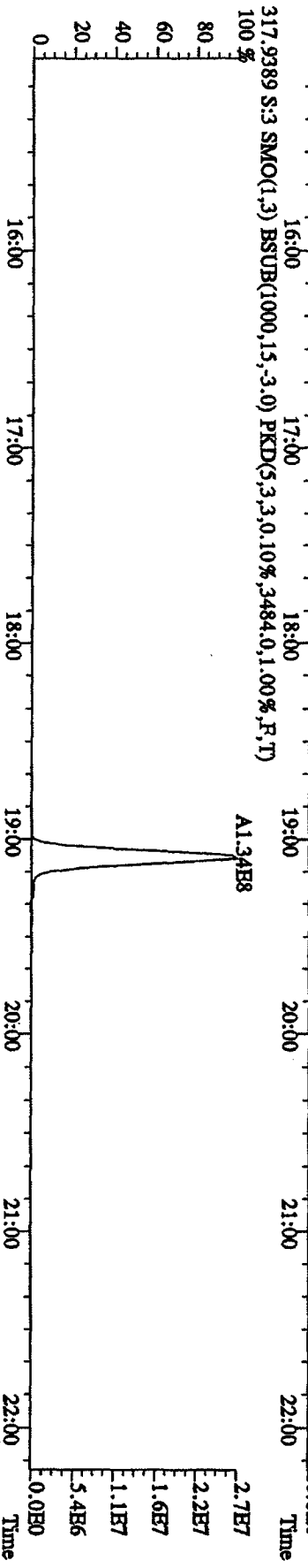
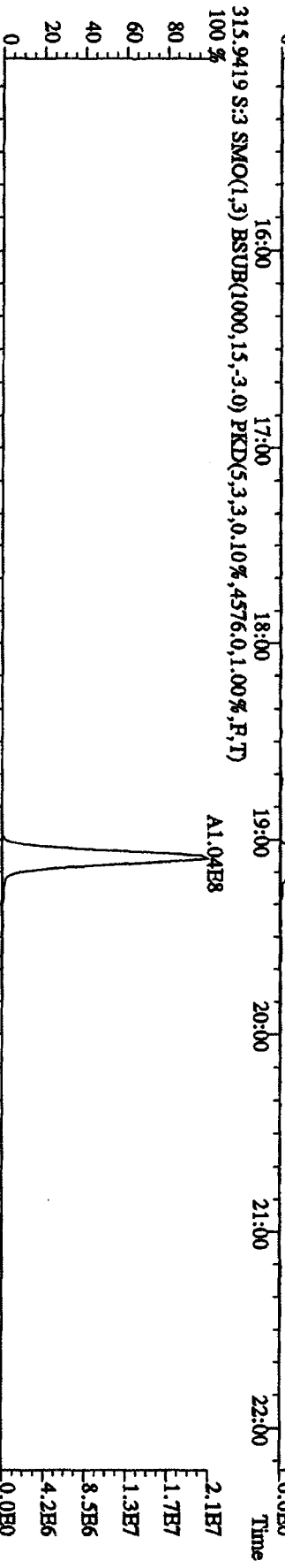
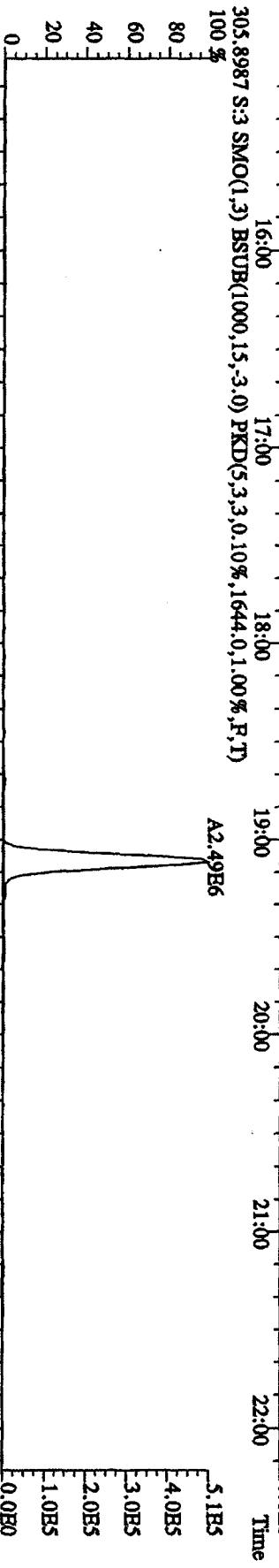
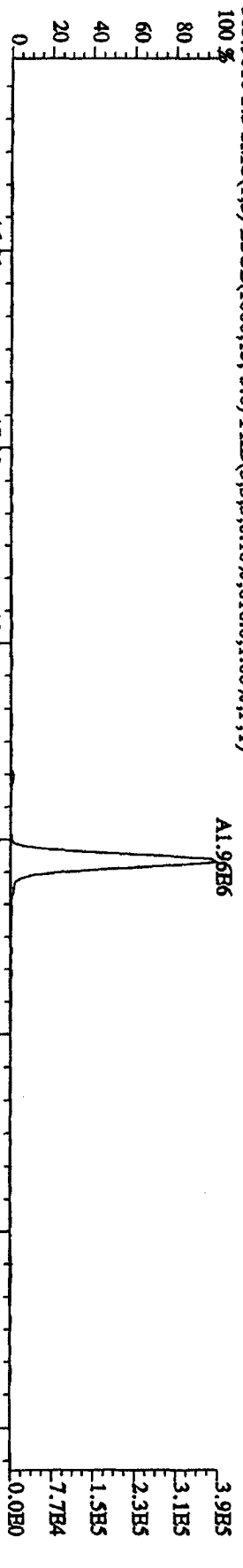


File:12AP104D5 #1-191 Acq:12-APR-2010 10:48:47 GC EI+ Voltage SIR Autospec-UltimatE

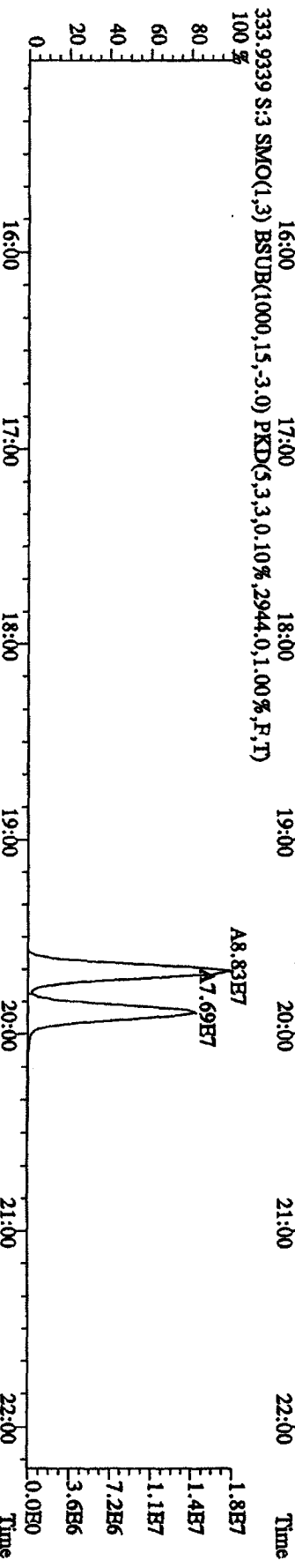
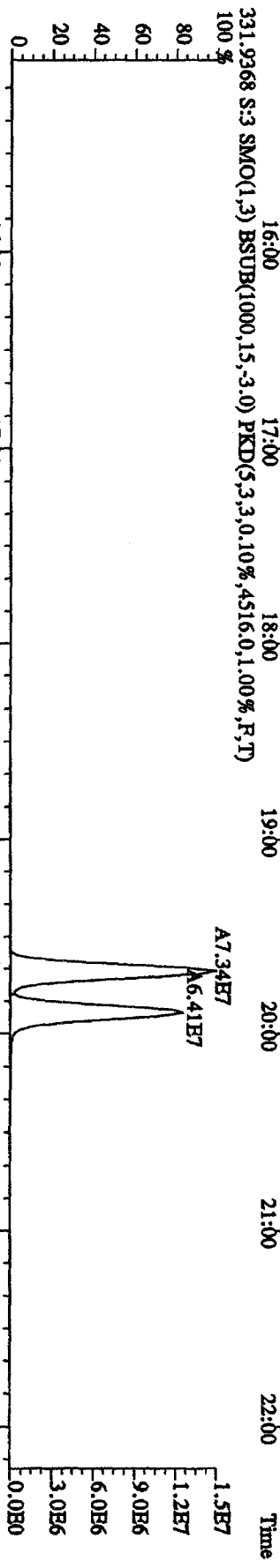
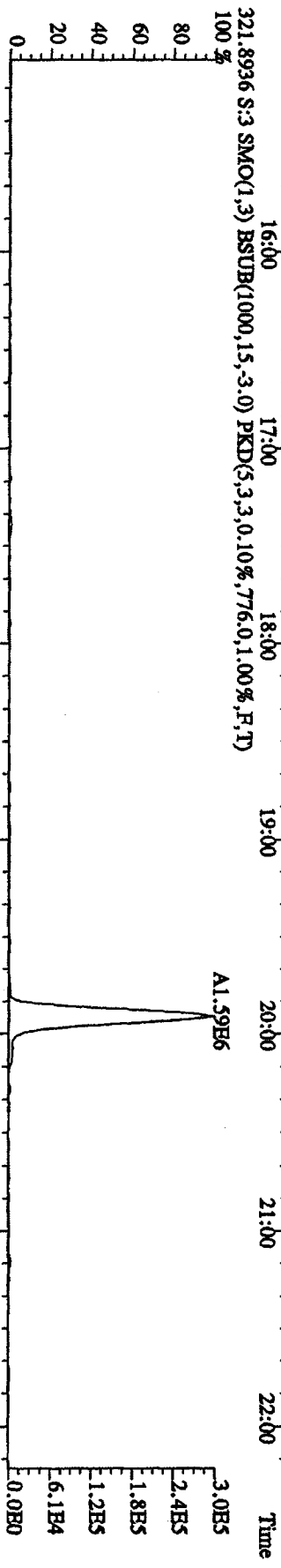
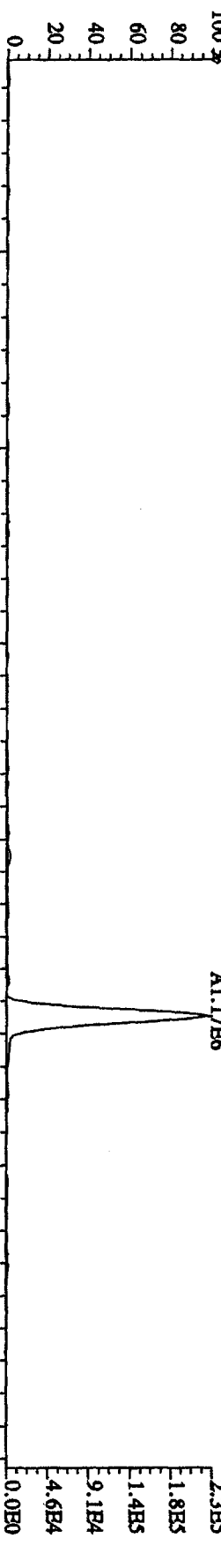
Sample#4 Text:ST0412B :CS-1-09DXM422 Exp:DIOXINRES8290A
 442.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 36:39 36:51 37:09 37:29 37:38 37:51 38:03 38:18 38:27 38:43 38:54 7.2B6



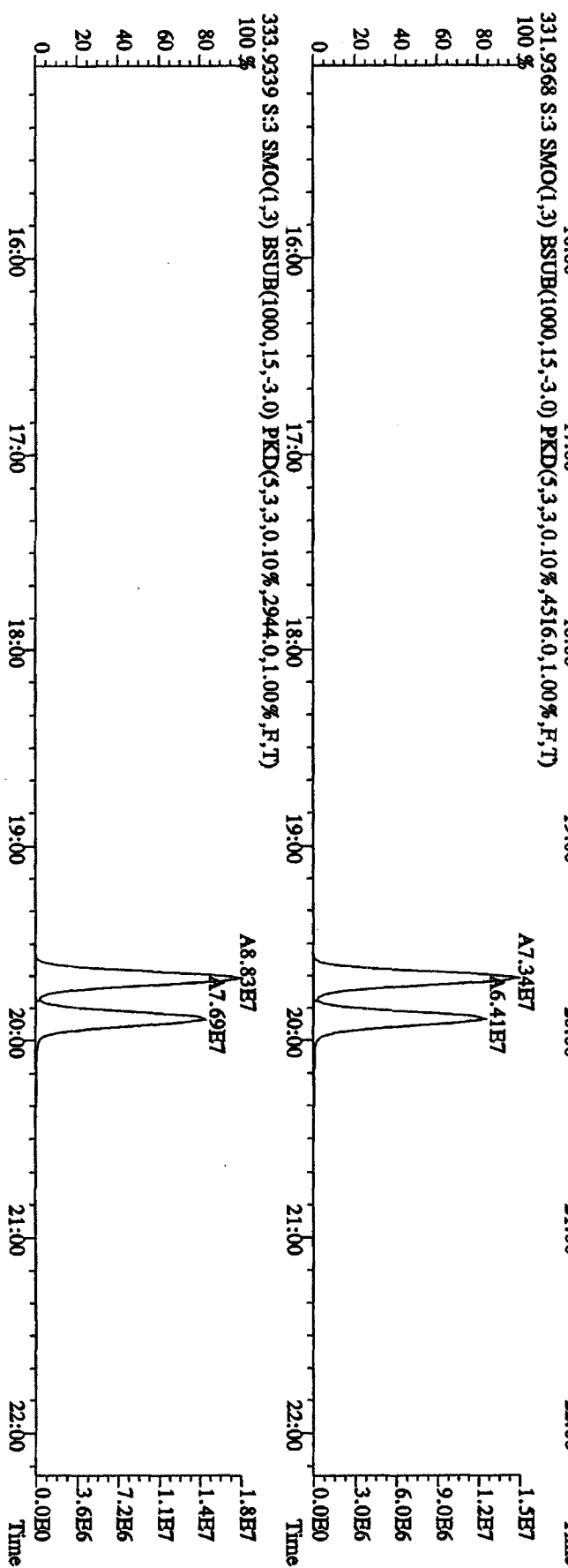
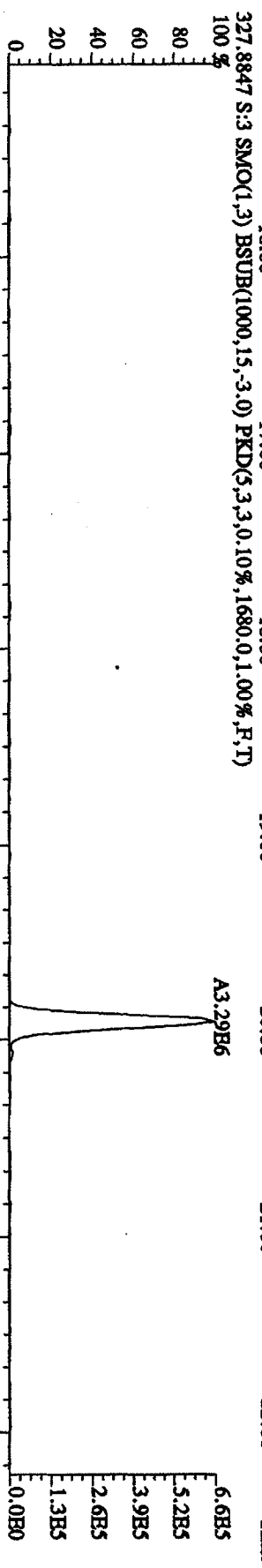
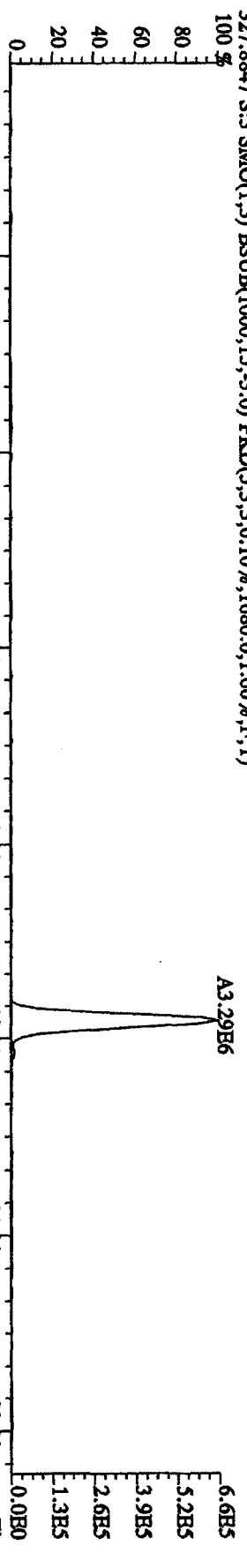
File: 12AP104D5 #1-435 Acq: 12-APR-2010 10:04:44 GC HI+ Voltage SIR Autospec-UltraB
 Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRES8290A
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,616.0,1.00%,F,T)



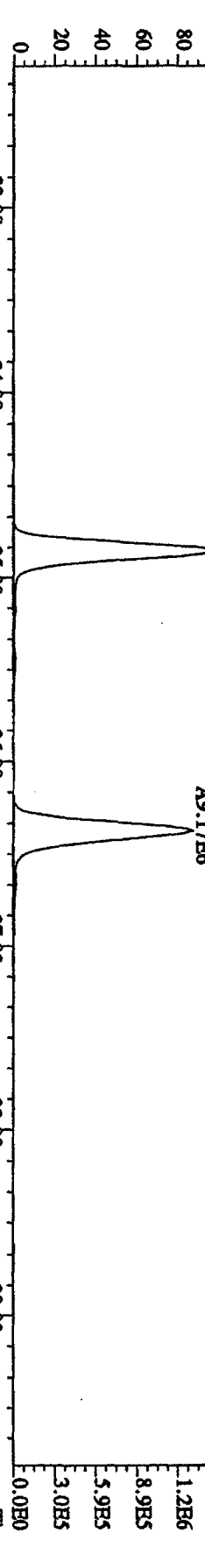
File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC III+ Voltage SIR Autospec-Ultimat
 Sample#3 Text:ST0412A :CS-2-09DXN423 Exp:DIOXINRES8290A
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,756,0,1,00%,F,T)



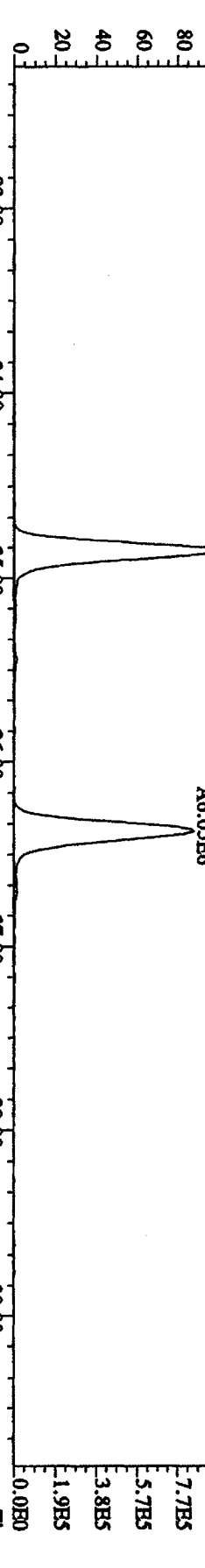
File: 12AP104D5 #1-435 Acq: 12-APR-2010 10:04:44 GC HI+ Voltage SIR Autospec-UltimaE
 Sample#3 Text: ST0412A :CS-2.09DXN423 Exp: DIOXINRES8290A
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1680.0,1.00%,F,T)



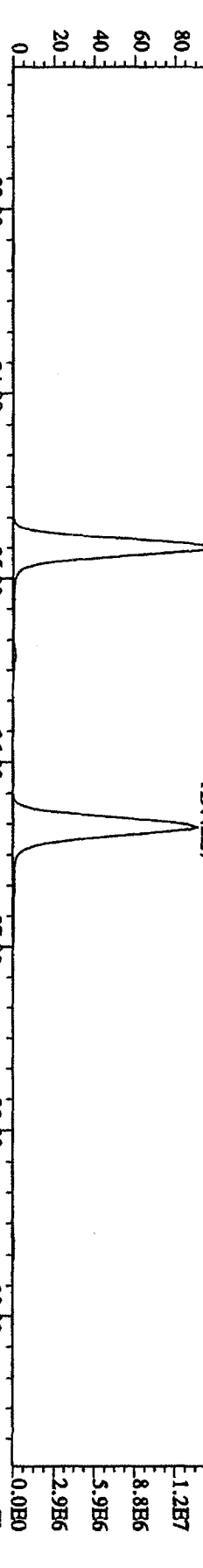
File: 12AP104D5 #1-605 Acq: 12-APR-2010 10:04:44 GC EI+ Voltage: 519V Autospec-UltimaB
 Sample#3 Text: ST0412A : CS-2-09DXN423 Exp: DIOXINRES8290A
 339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,676.0,1.00%,F,T)
 100%



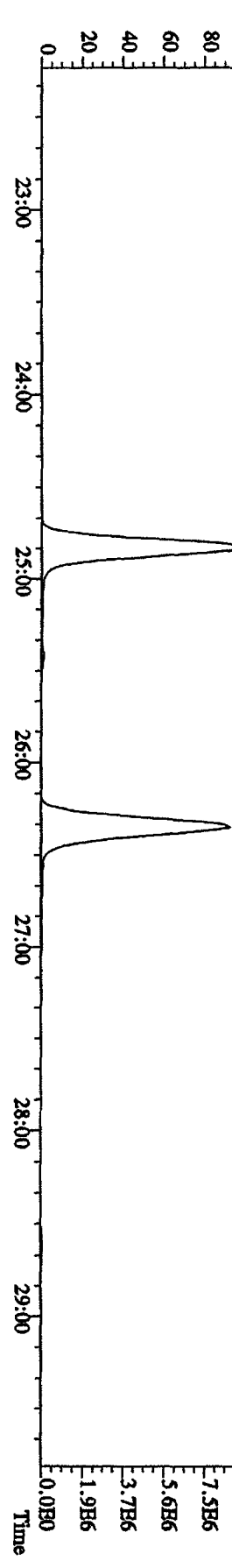
341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1276.0,1.00%,F,T)
 100%



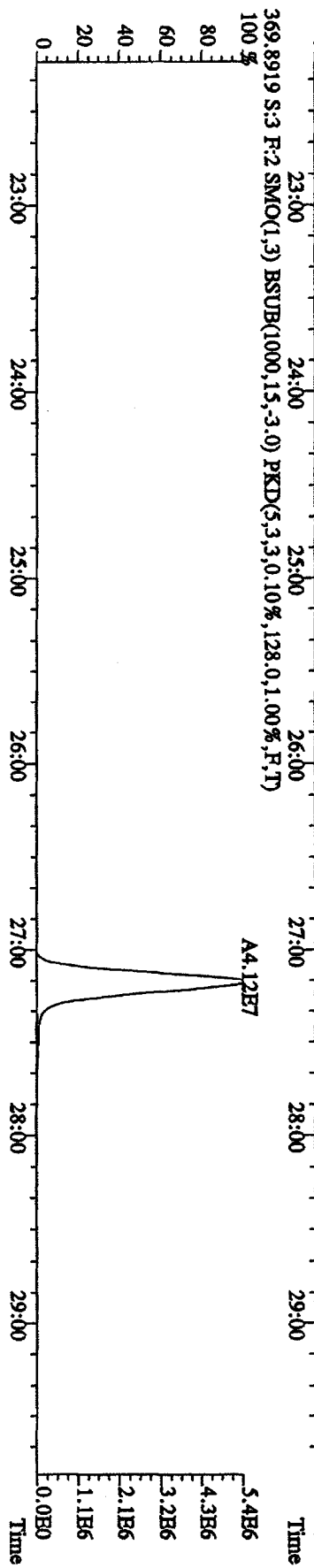
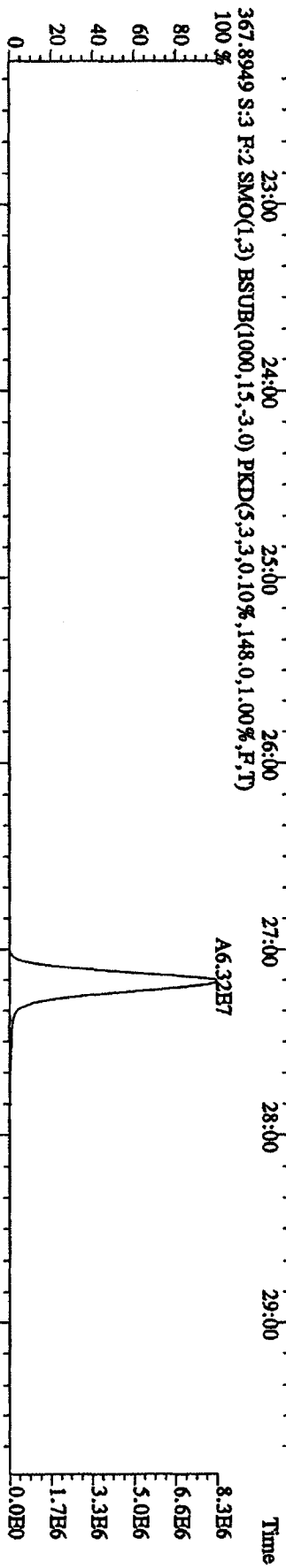
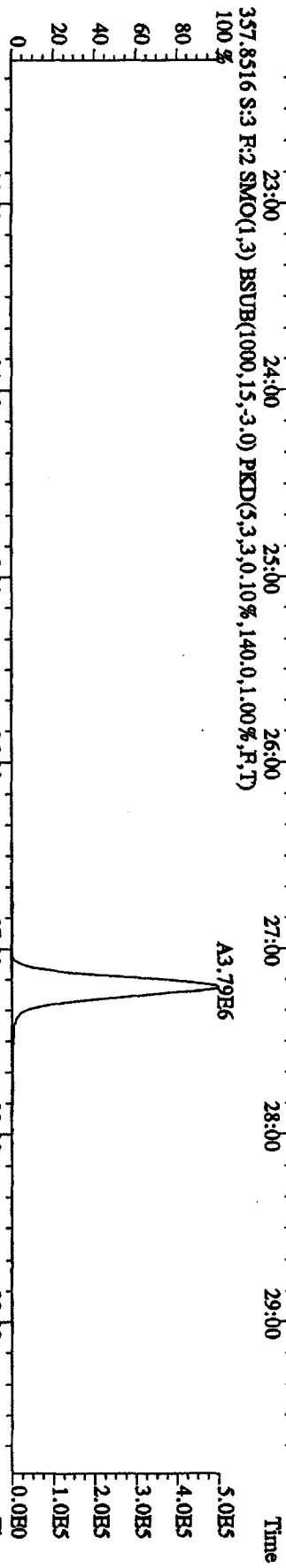
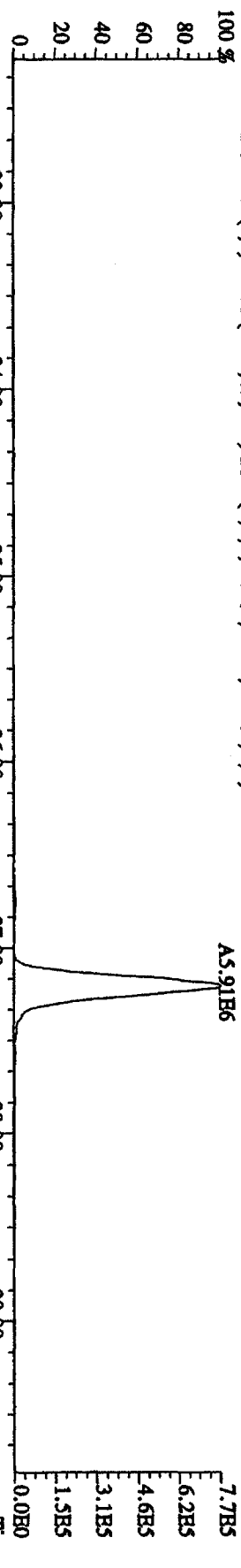
351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3636.0,1.00%,F,T)
 100%



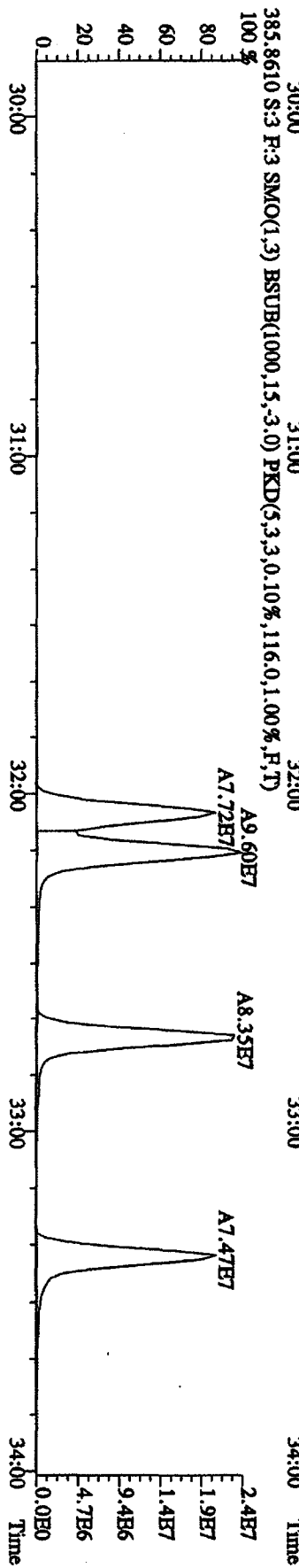
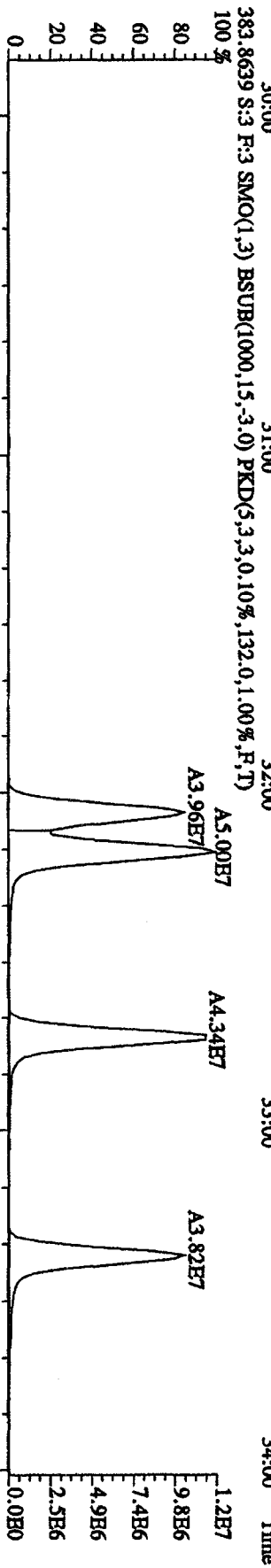
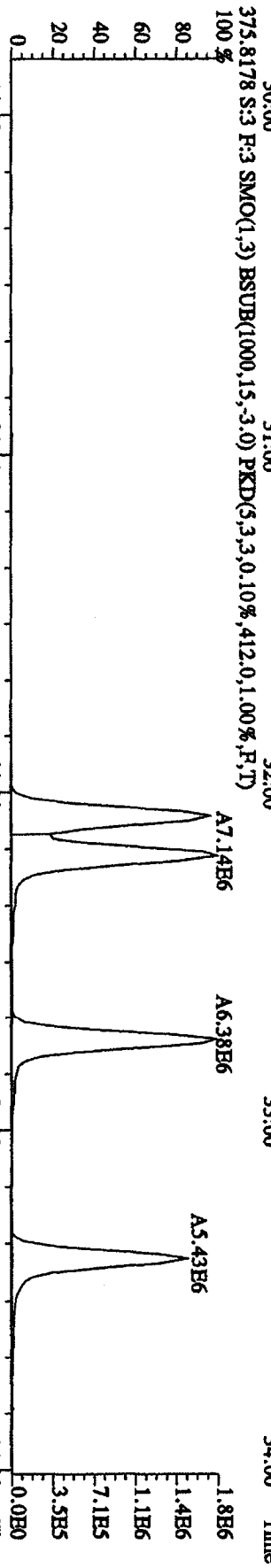
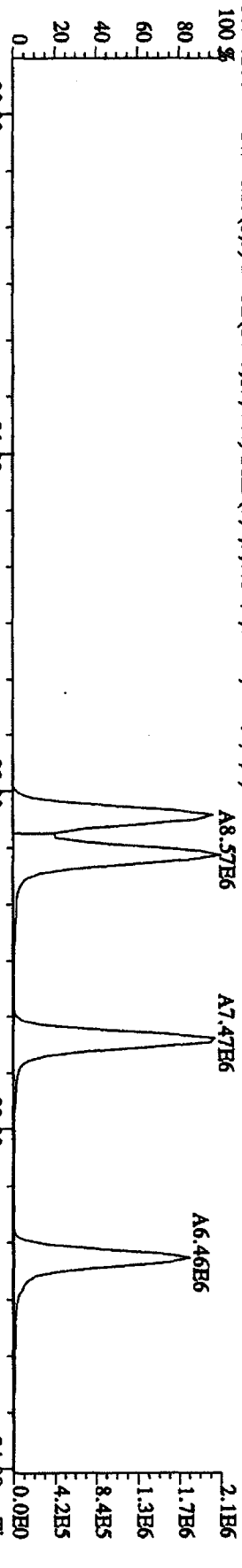
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3028.0,1.00%,F,T)
 100%



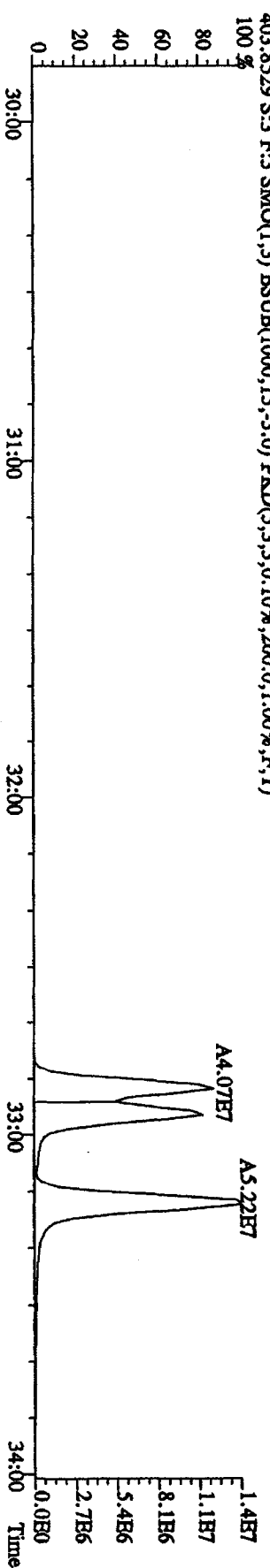
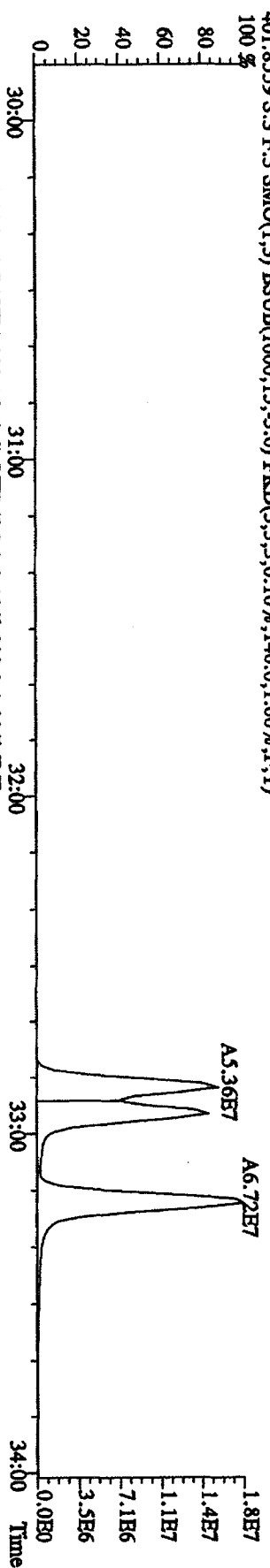
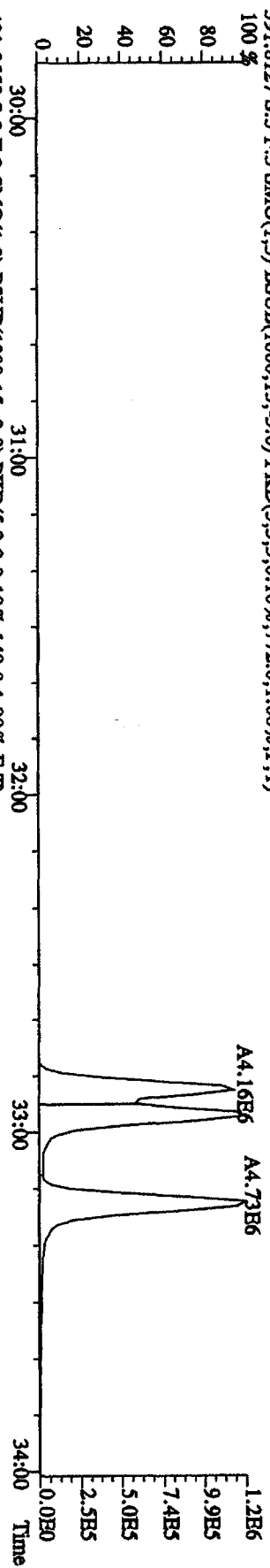
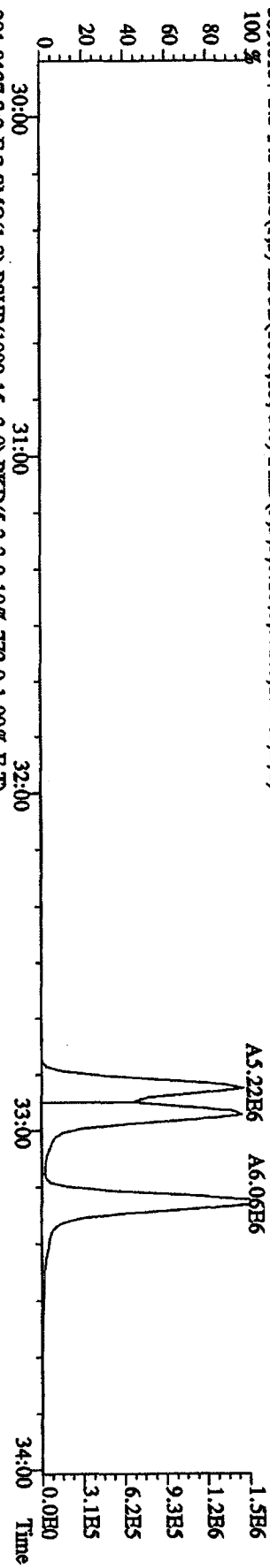
File: 12AP104D5 #1-605 Acq: 12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRES8290A
355.8546 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,832.0,1.00%,F,T)
100 %



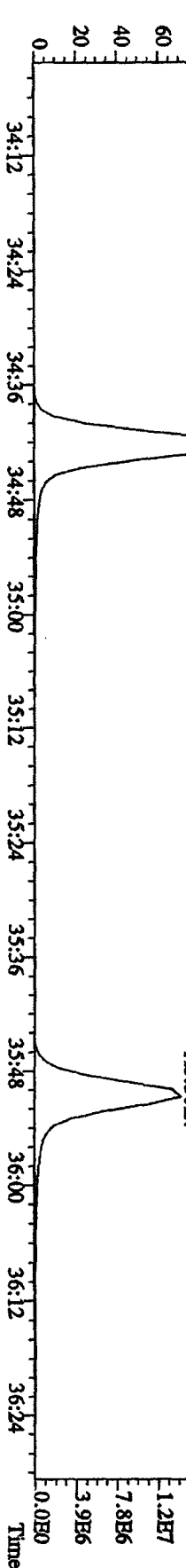
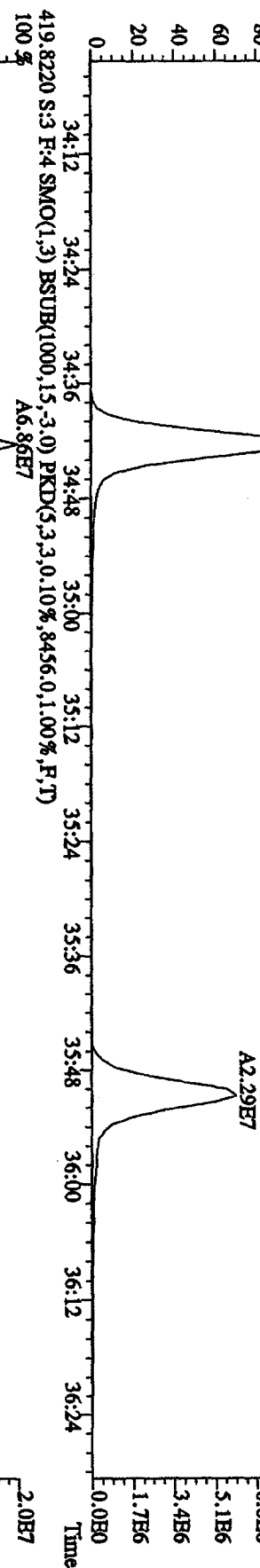
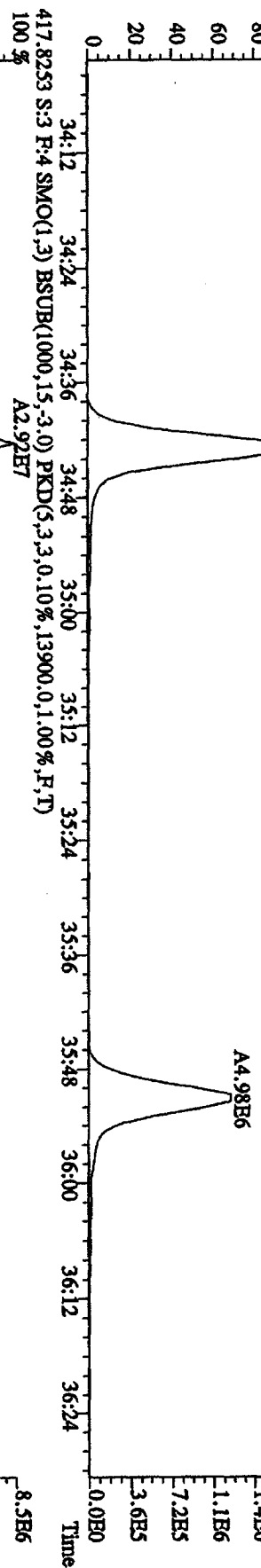
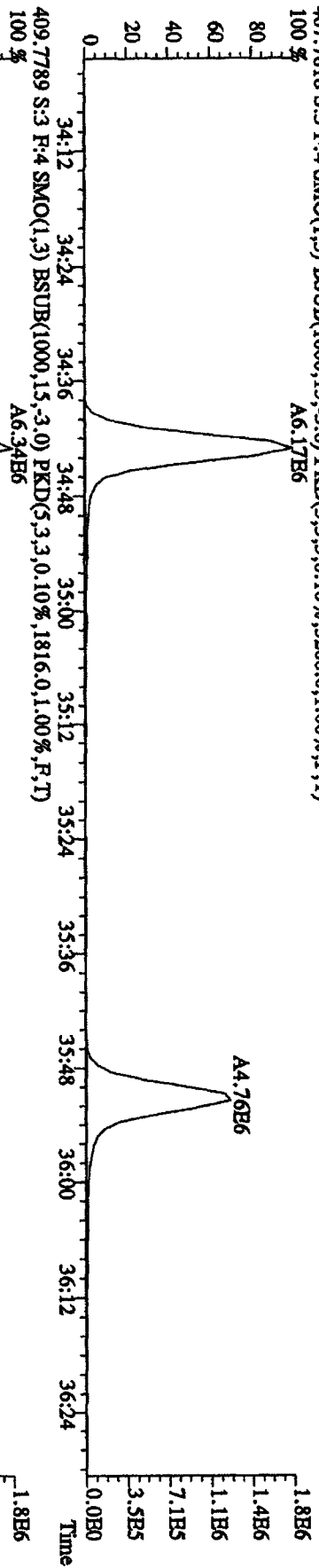
File:12AP104D5 #1-317 Acq:12-APR-2010 10:04:44 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,808,0,1,00%,F,T)



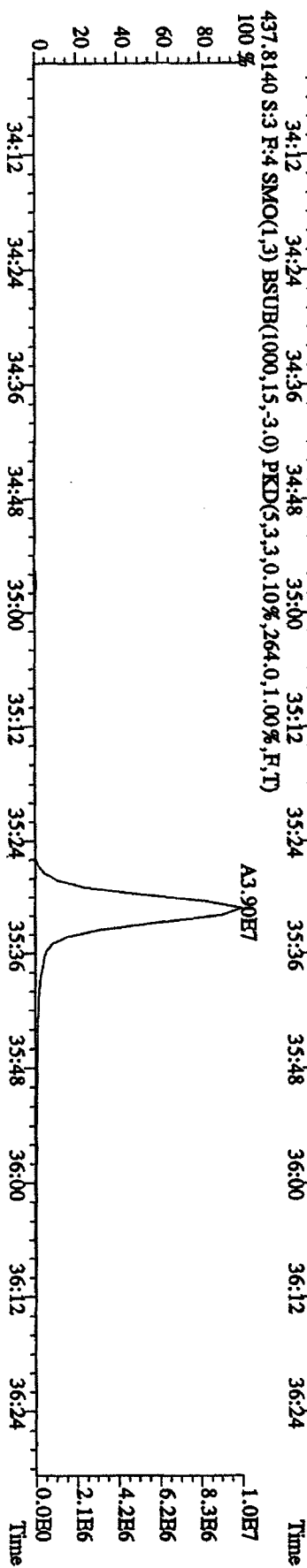
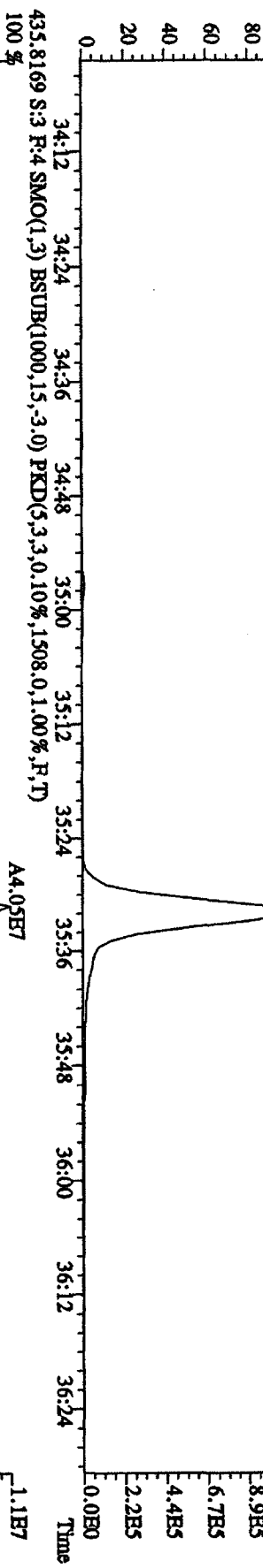
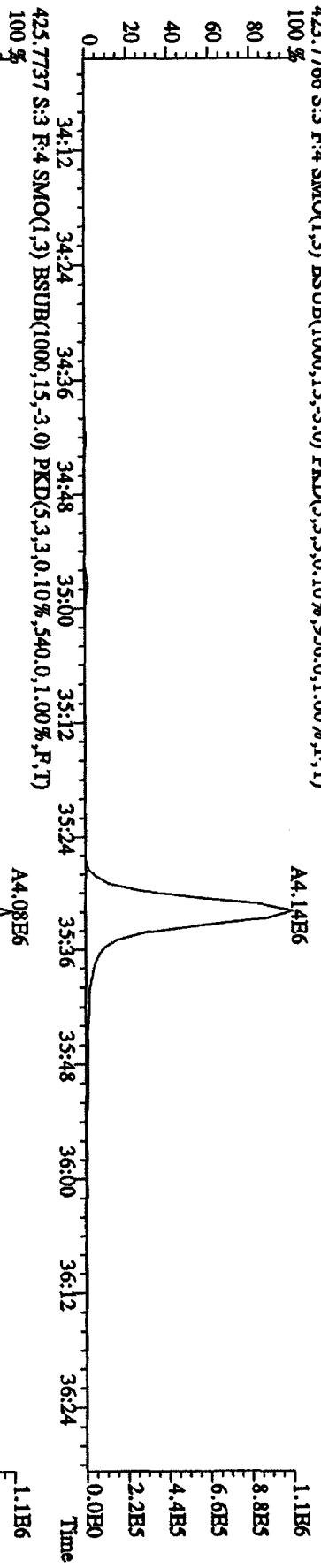
File: 12AP104D5 #1-317 Acq: 12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltraME
 Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRES8290A
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,532.0,1.00%,F,T)



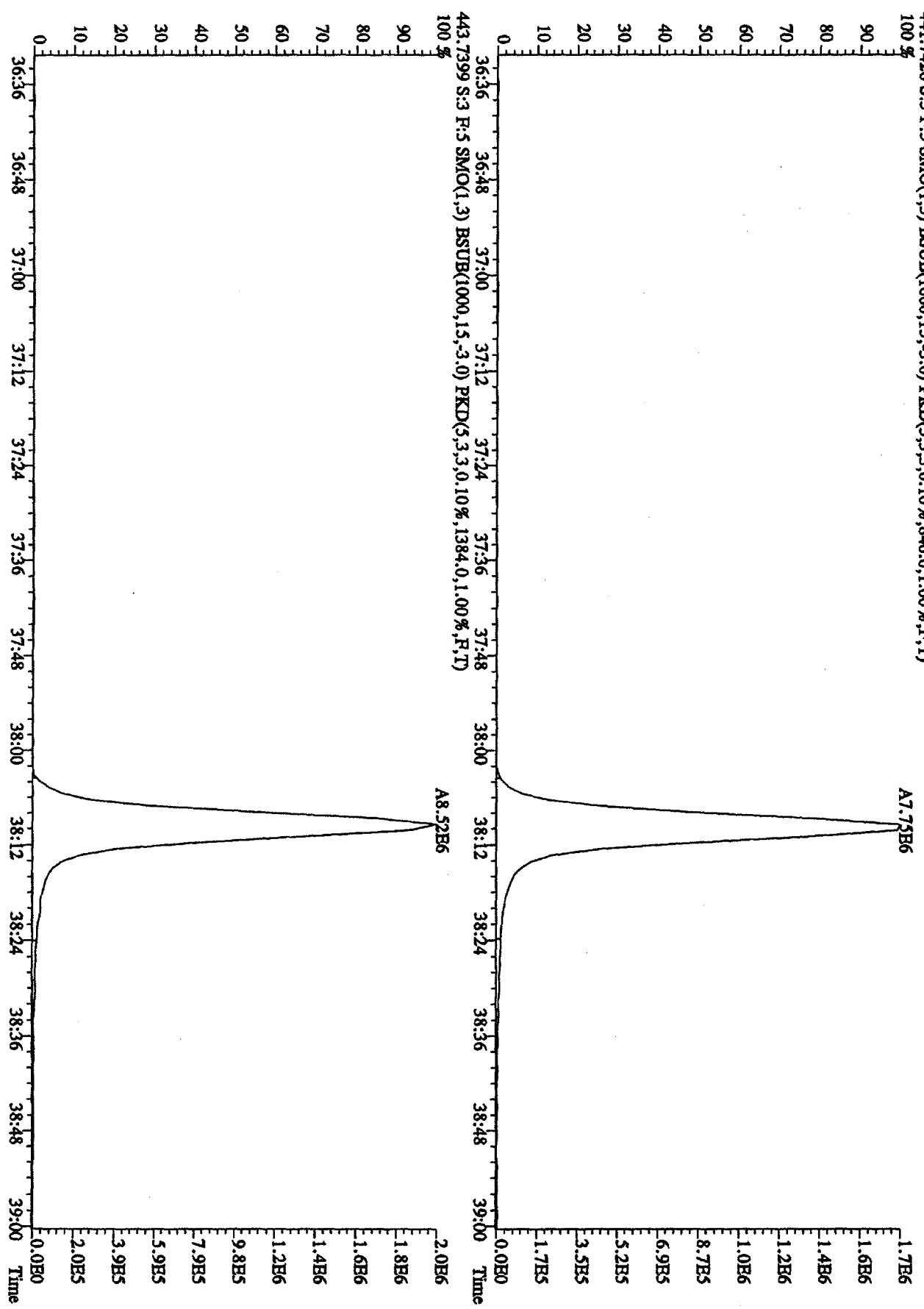
File:12APl04D5 #1-198 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Antospec-UltimaB
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRHS8290A
 407.7818 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5260,0,1,00%,F,T)
 100 %



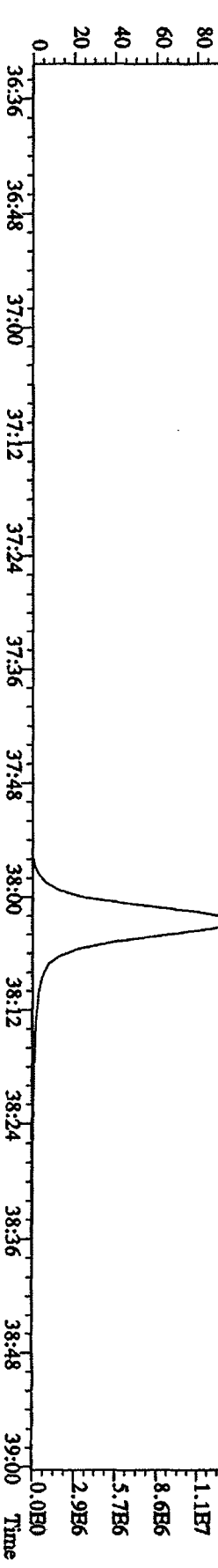
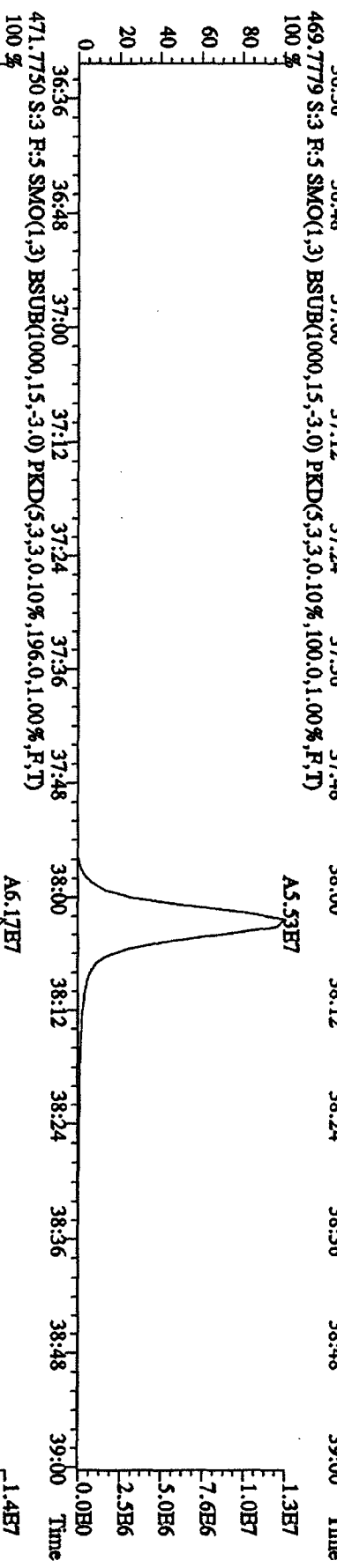
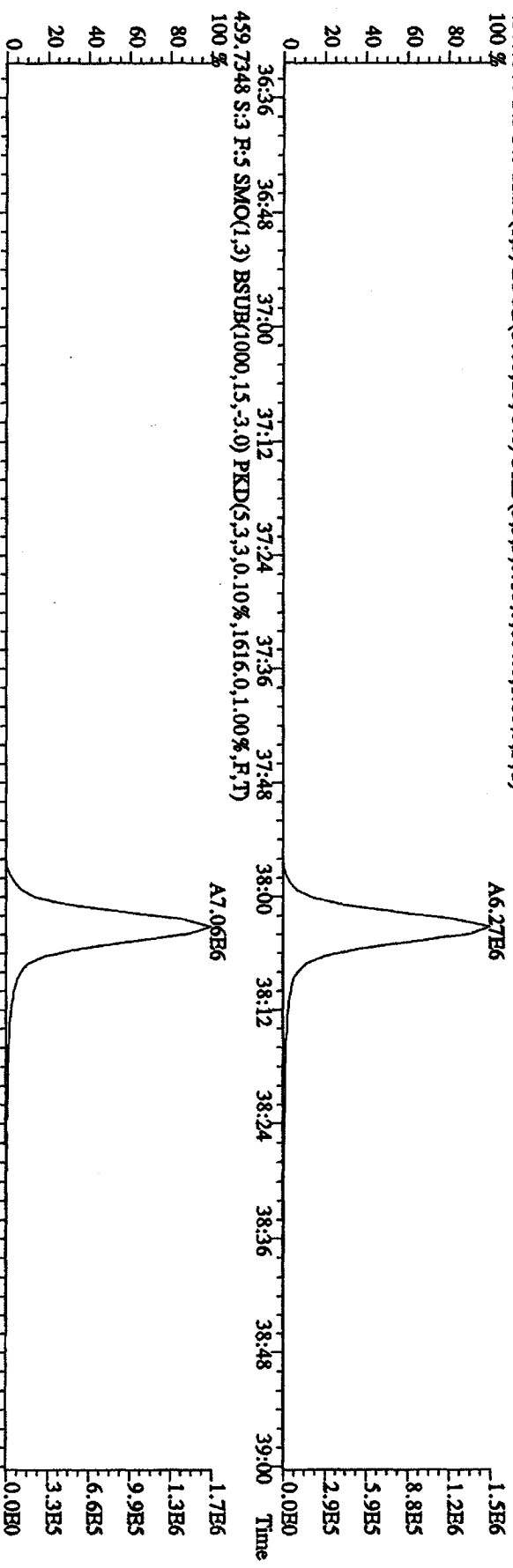
File:12AP104D5 #1-198 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#3 Test:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 423.7737 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,956.0,1.00%,F,T) 100%



File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC HI+ Voltage SR Autospec-UltimaH
 Sample#3 Text:ST0412A :CS-2 09DXN423 Bsp:DIOXINRHS8290A
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1384,0,1.00%,F,T)



File: 12AP104D5 #1-190 Acq: 12-APR-2010 10:04:44 GC HF+ Voltage SIR Autospec-UltimaB
 Sample#3 Text: ST0412A :CS-2 09DXN423 Bsp: DIOXINRES8290A
 457.7377 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,604.0,1.00%,F,T) 100%

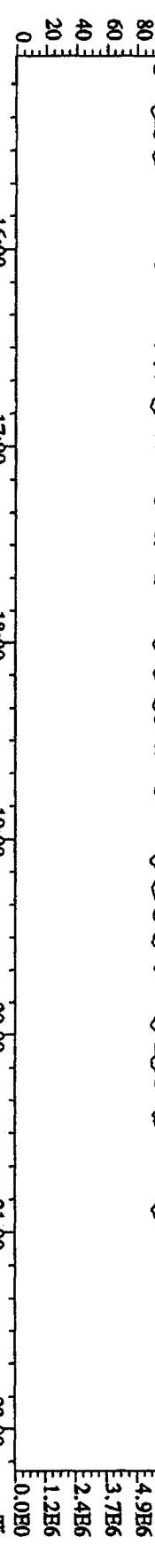


File:12AP104D5 #1-435 Acq:12-APR-2010 10:04:44 GC FI+ Voltage SIR Autospec-UltimaR

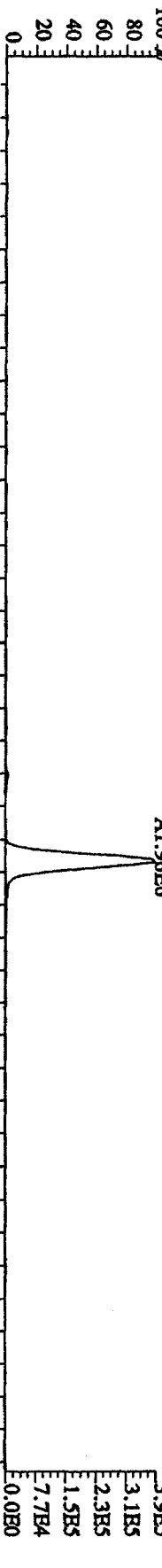
Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRESS8290A

354.9792 S:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

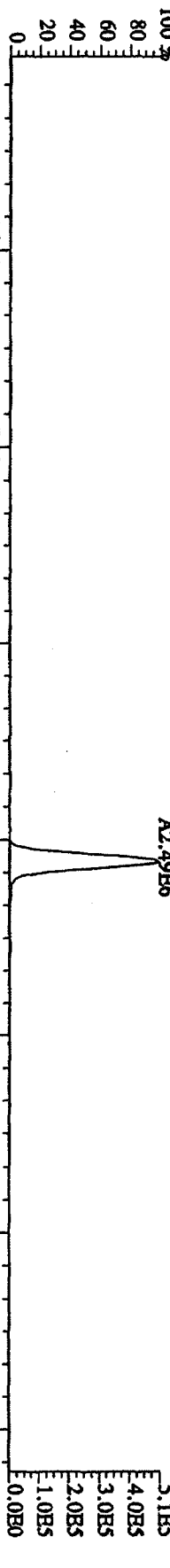
100 415:12 16:00 16:42 17:09 17:51 18:29 19:00 19:26 19:52 20:21 20:43 21:07 21:36 22:01



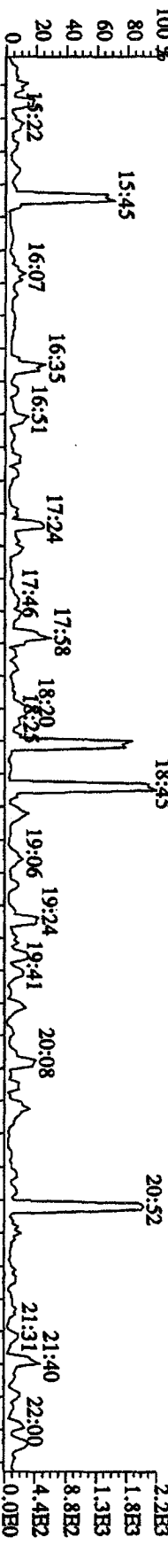
303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,616,0,1,00%,F,T)



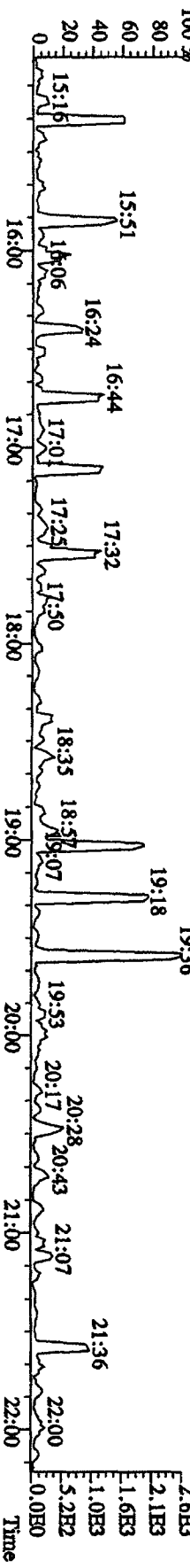
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1644,0,1,00%,F,T)



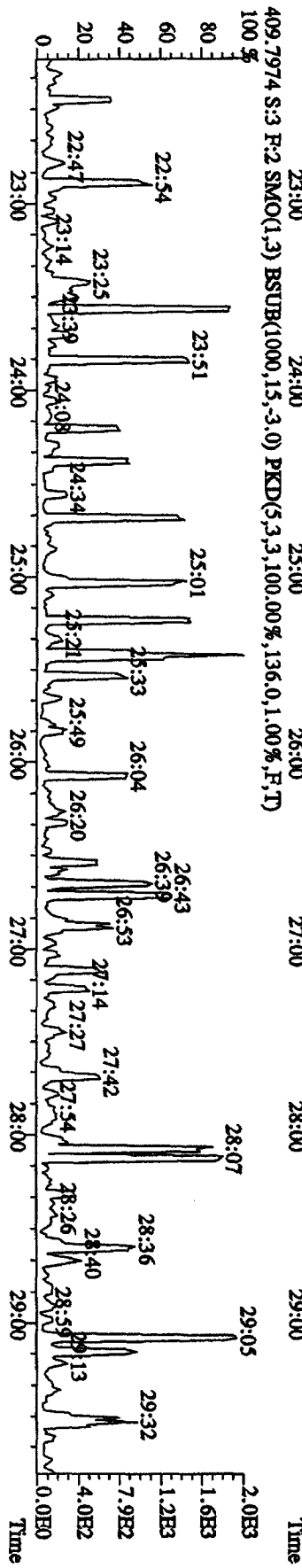
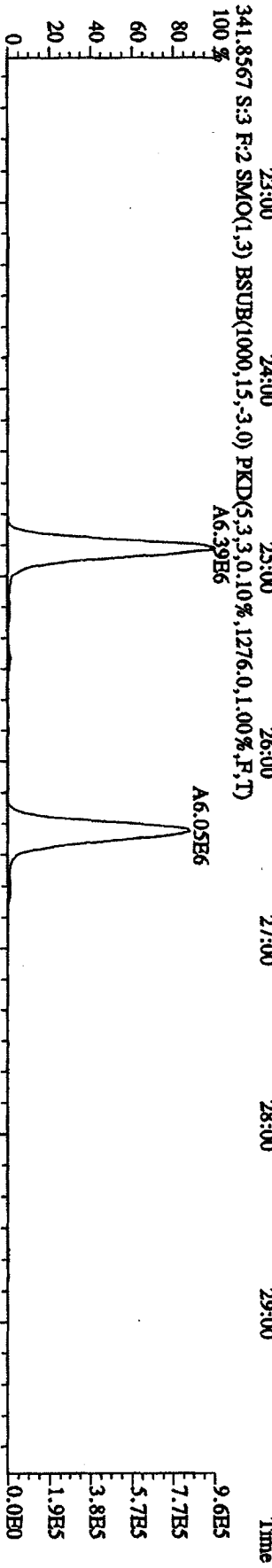
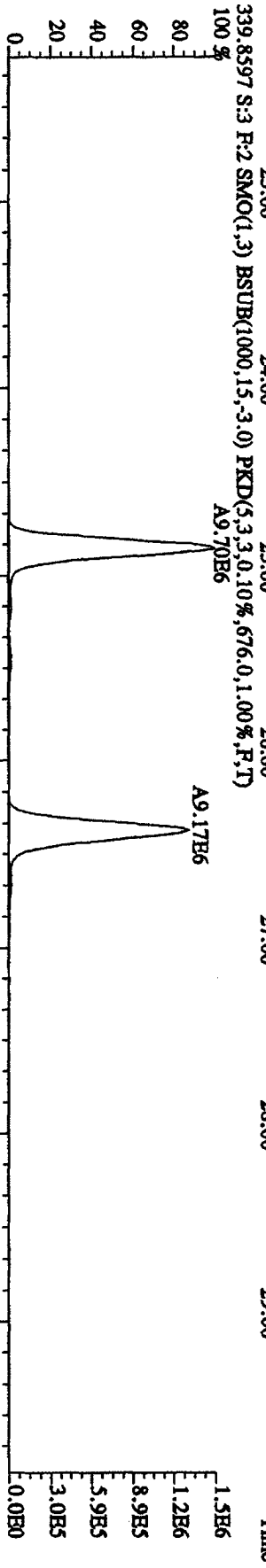
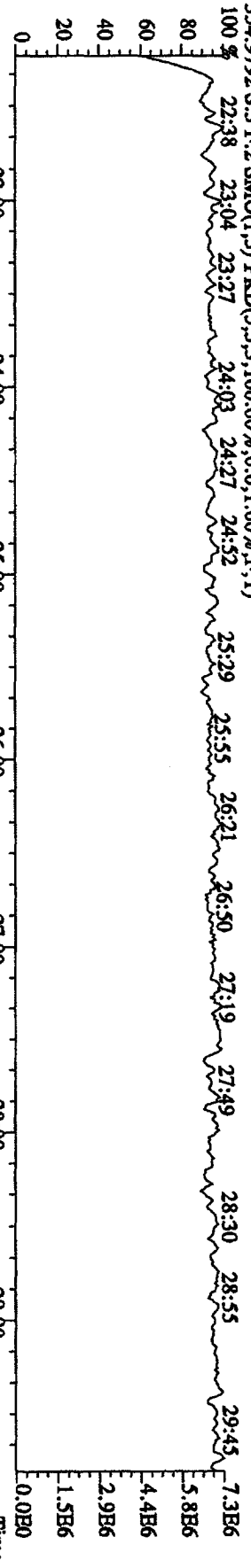
375.8364 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,132,0,1,00%,F,T)



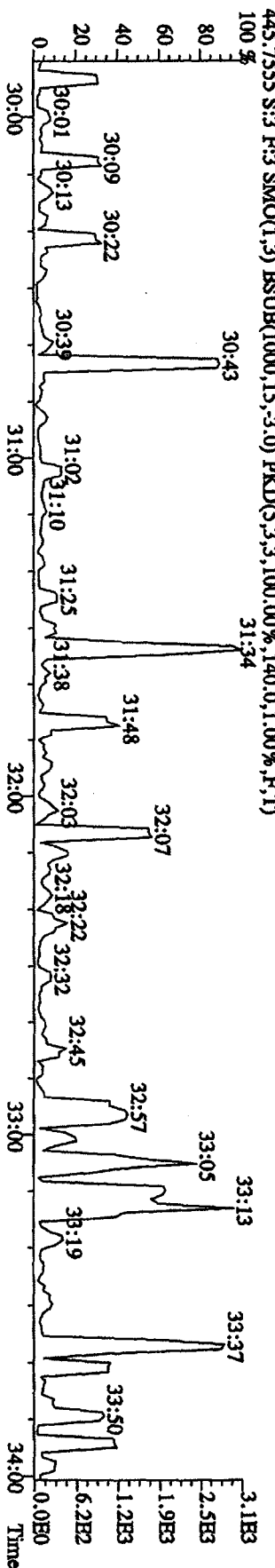
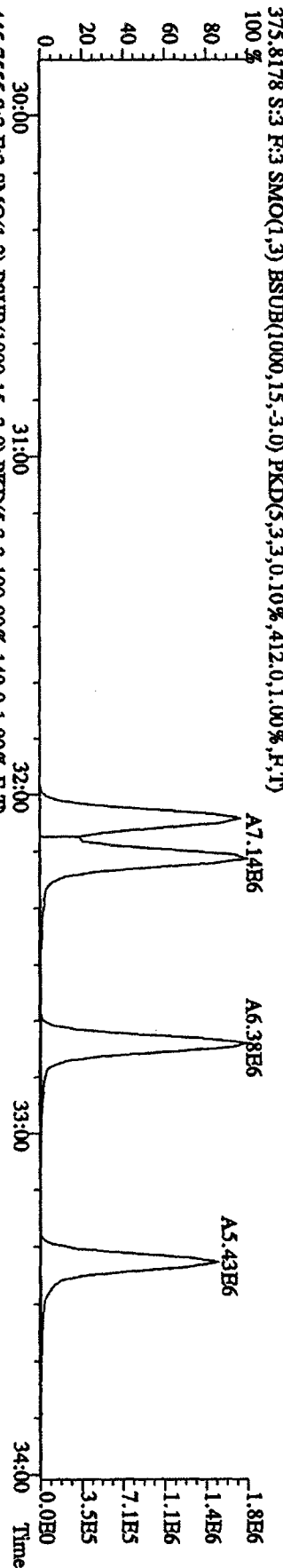
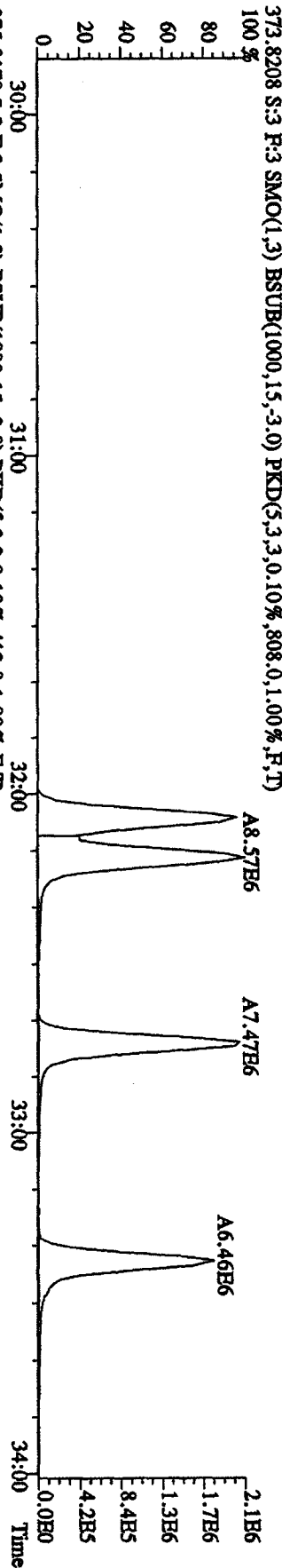
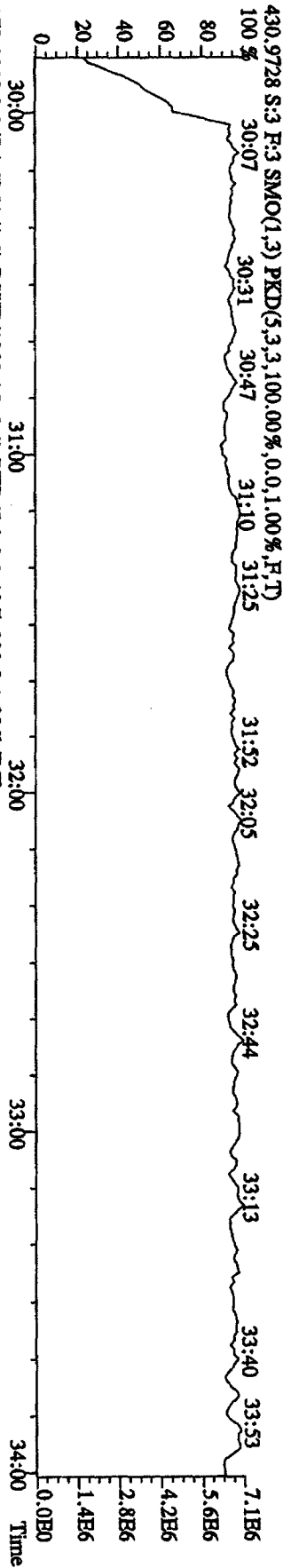
409.7974 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,96,0,1,00%,F,T)



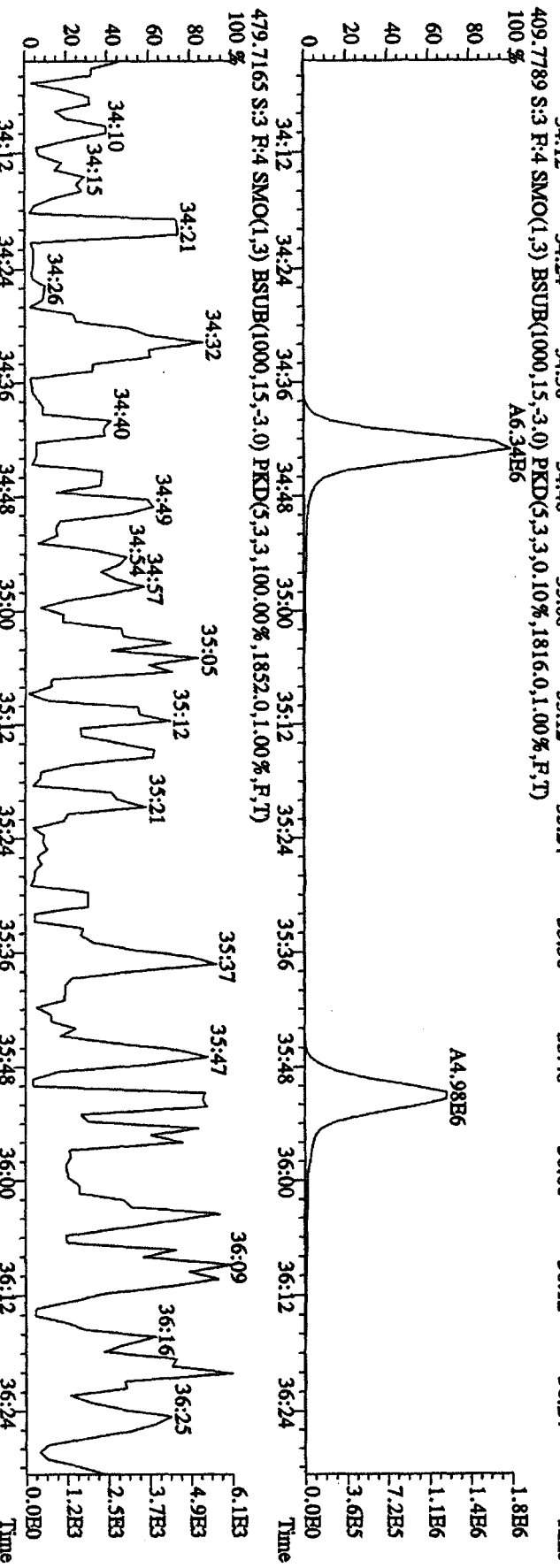
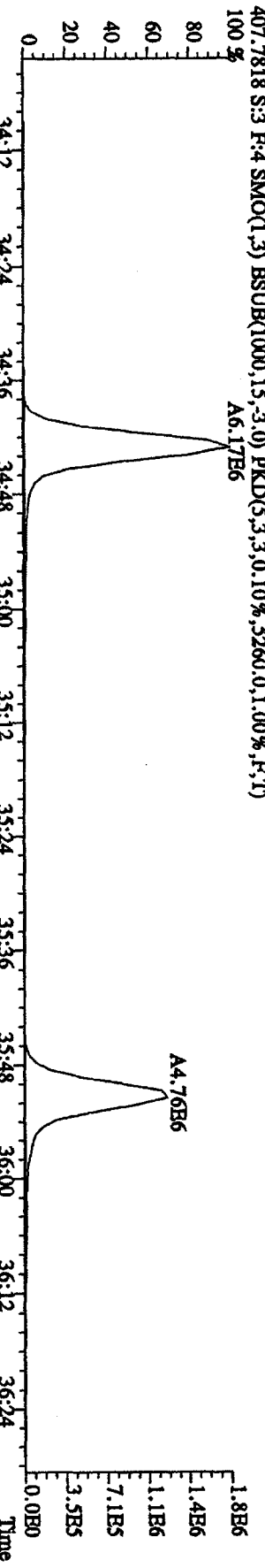
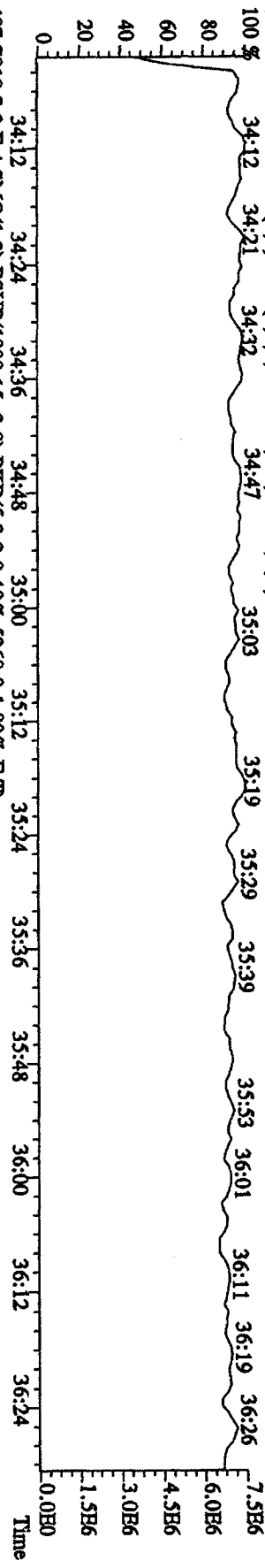
File: 12AP104D5 #1-605 Acq: 12-APR-2010 10:04:44 GC EI+ Voltage: SIR Autospec-UHimatB
 Sample#3 Text: ST0412A :CS-2.09DXN423 Exp: DIOXINRES8290A



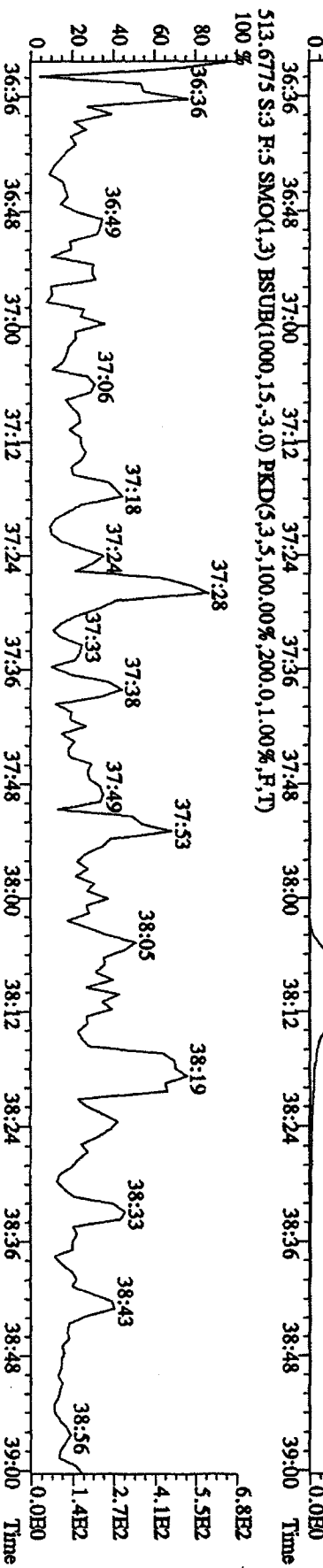
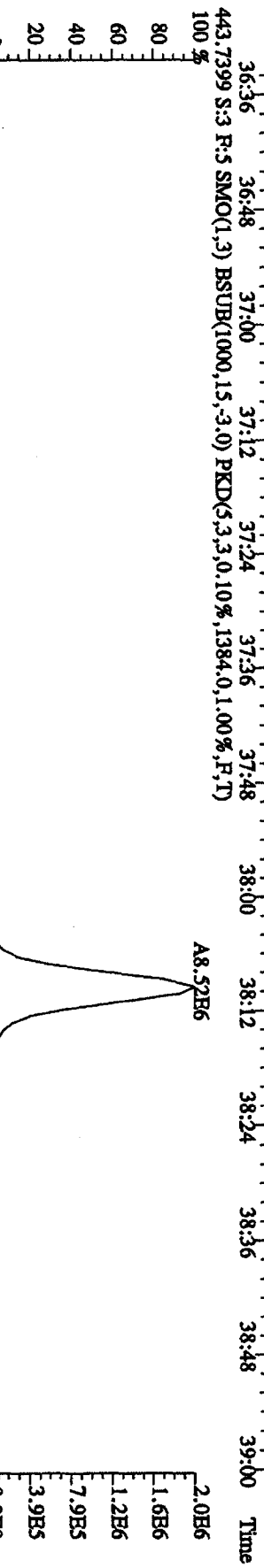
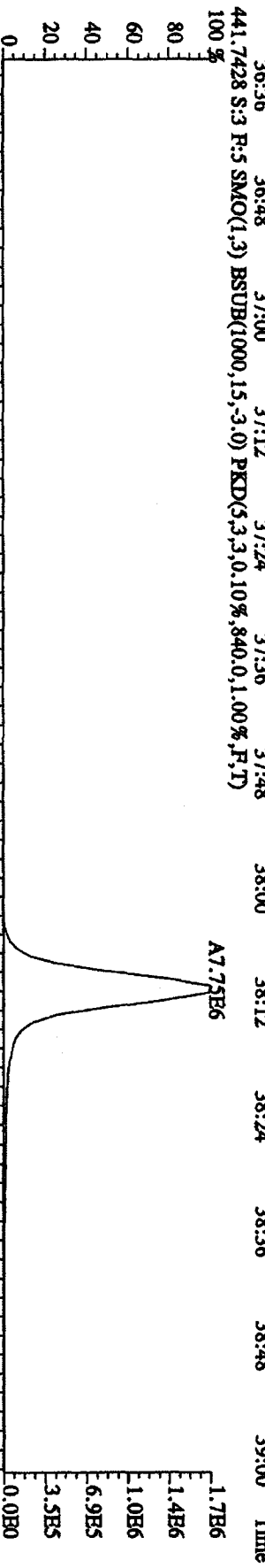
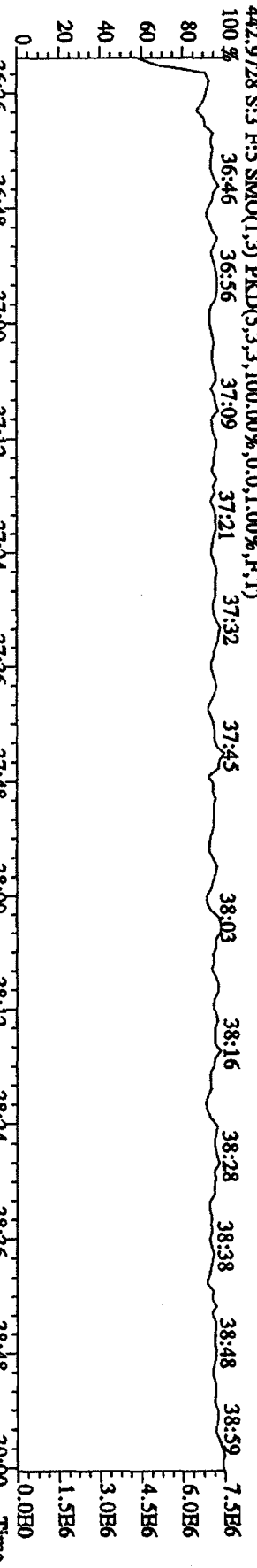
File: 12AP104D5 #1-317 Acq: 12-APR-2010 10:04:44 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text: ST0412A :CS-2 09DXN423 Exp: DIOXINRES8290A



File:12AP104D5 #1-198 Acq:12-APR-2010 10:04:44 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A
 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%,5260,0.1,00%,F,T)
 479.7165 S:3 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1852,0.1,00%,F,T)



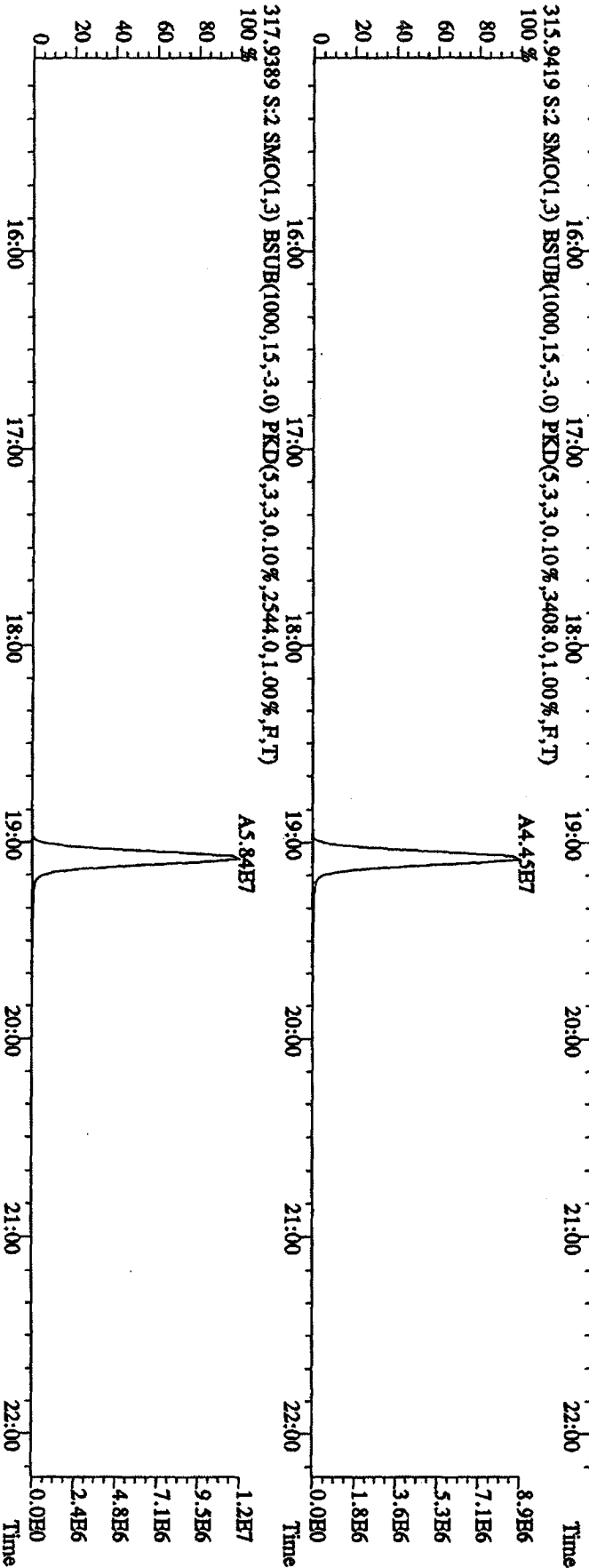
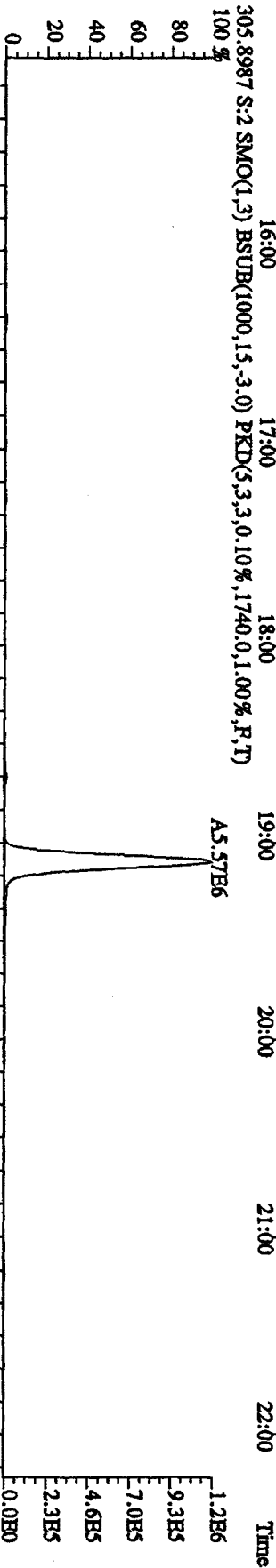
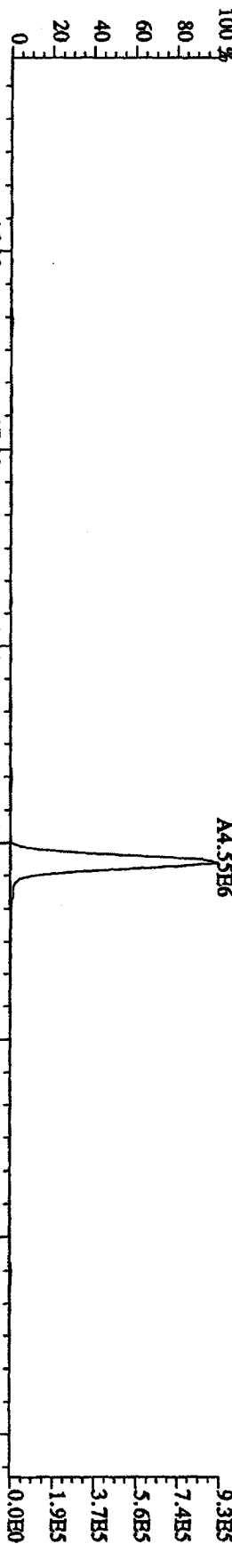
File:12AP104D5 #1-190 Acq:12-APR-2010 10:04:44 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#3 Text:ST0412A :CS-2 09DXN423 Exp:DIOXINRES8290A



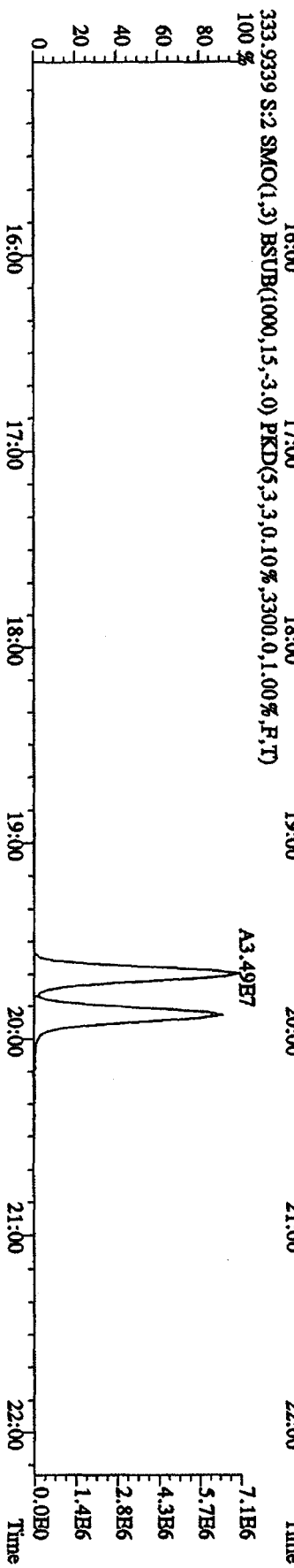
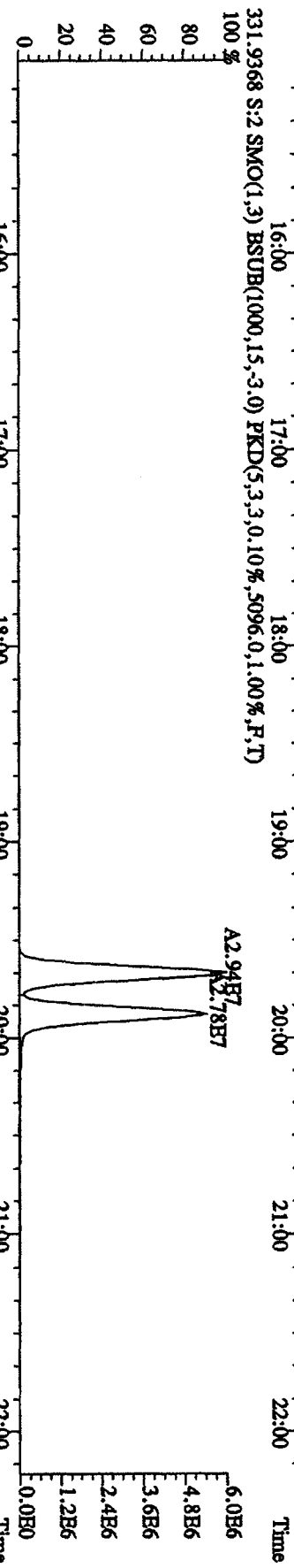
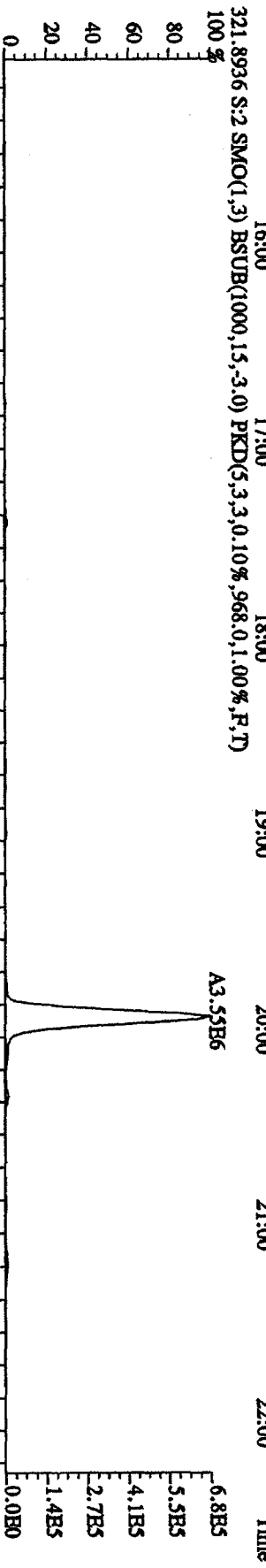
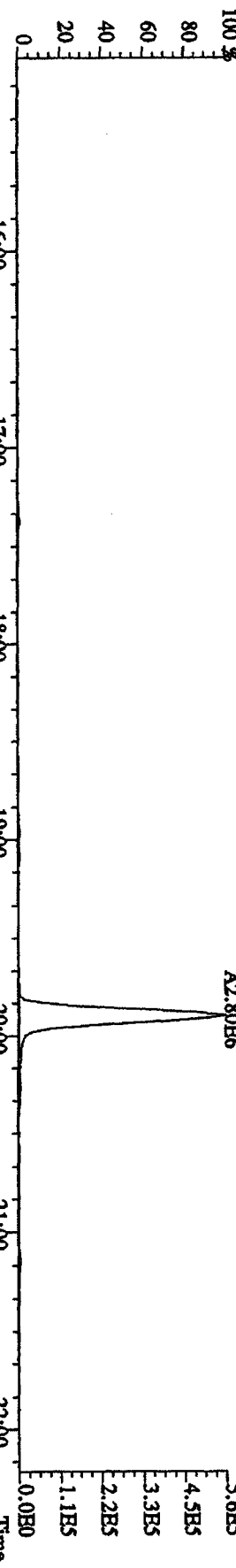
File: 12AP104D5 #1-435 Acq: 12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaB

Sample#2 Text: ST0412 : CS-3 10DXN111 Exp: DIOXINRBS8290A

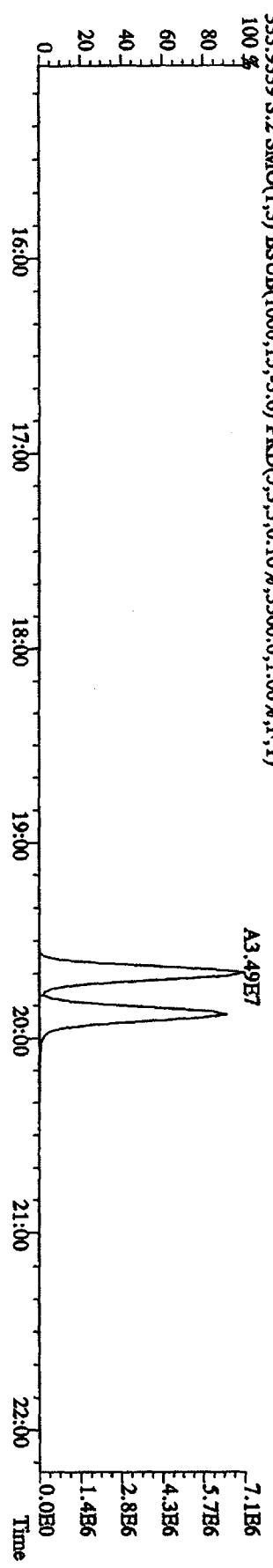
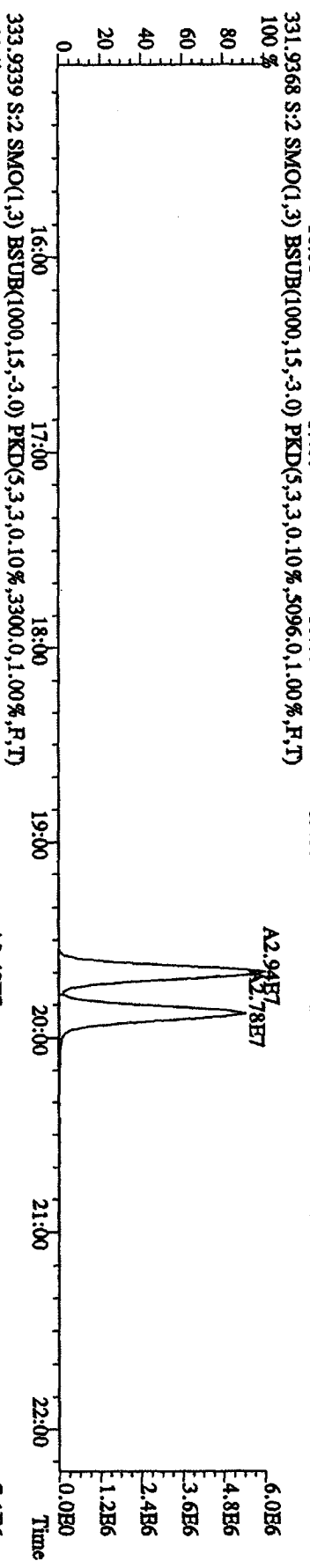
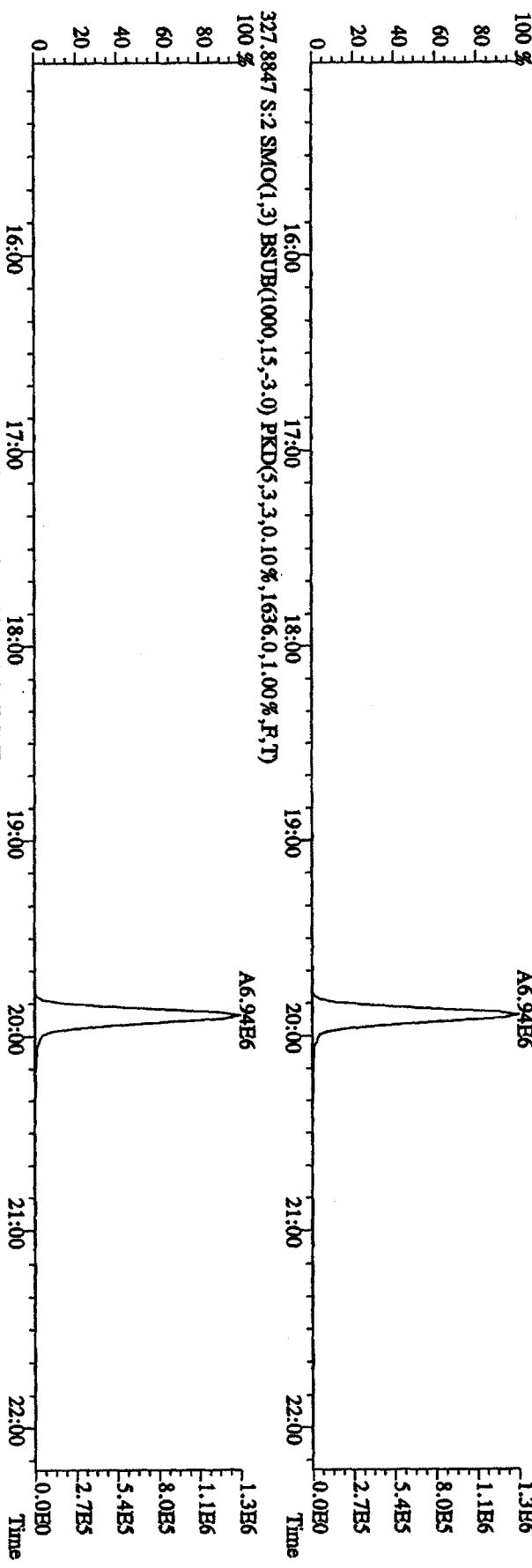
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1208,0,1,00%,F,T)



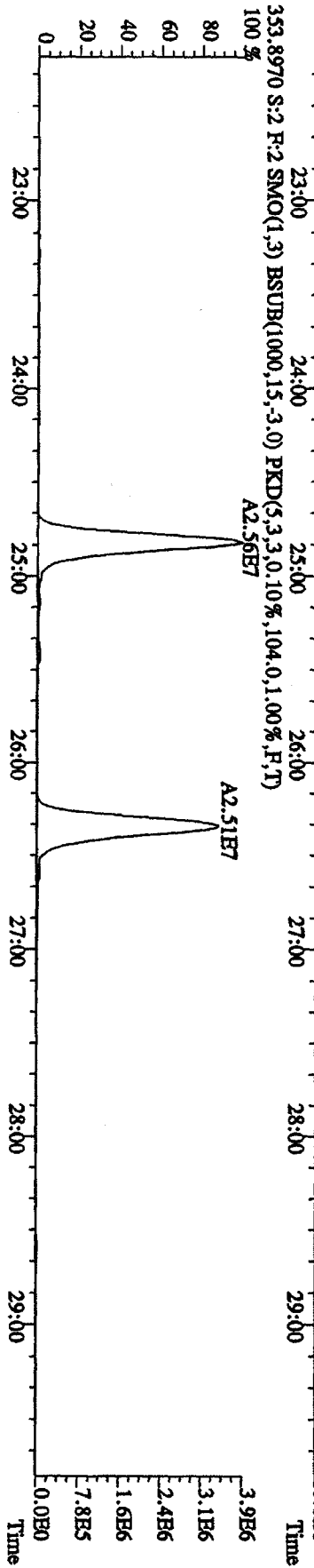
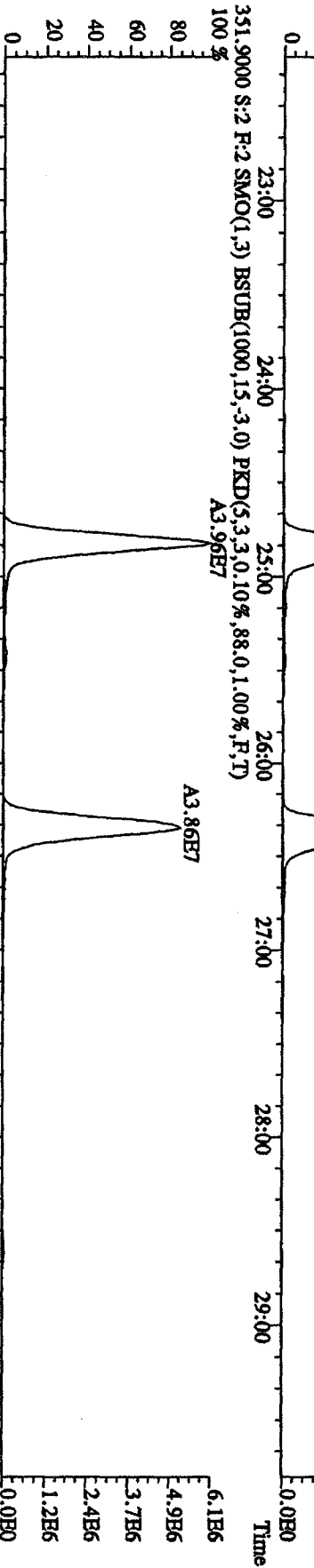
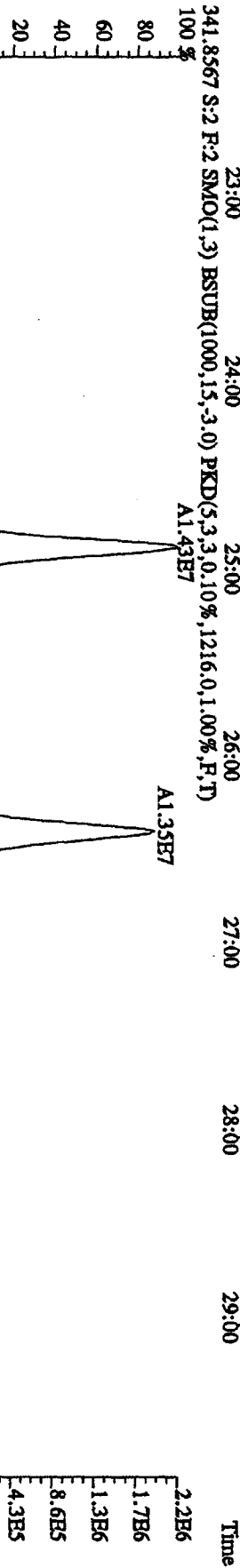
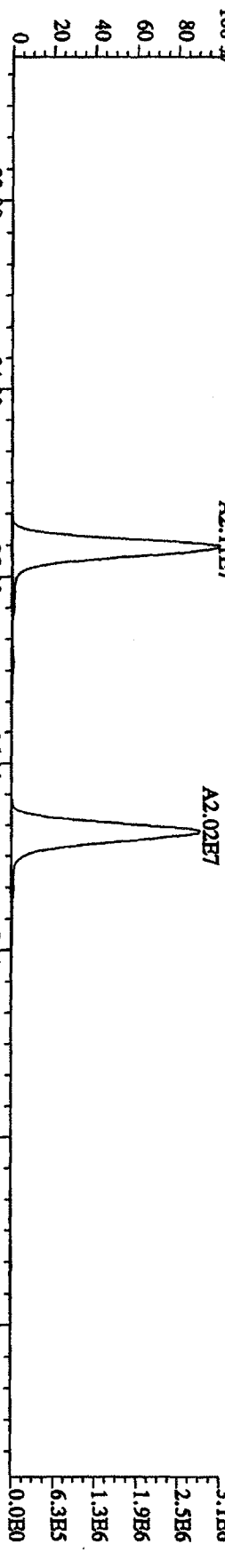
File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 319.8965 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,748,0,1,00%,F,T)



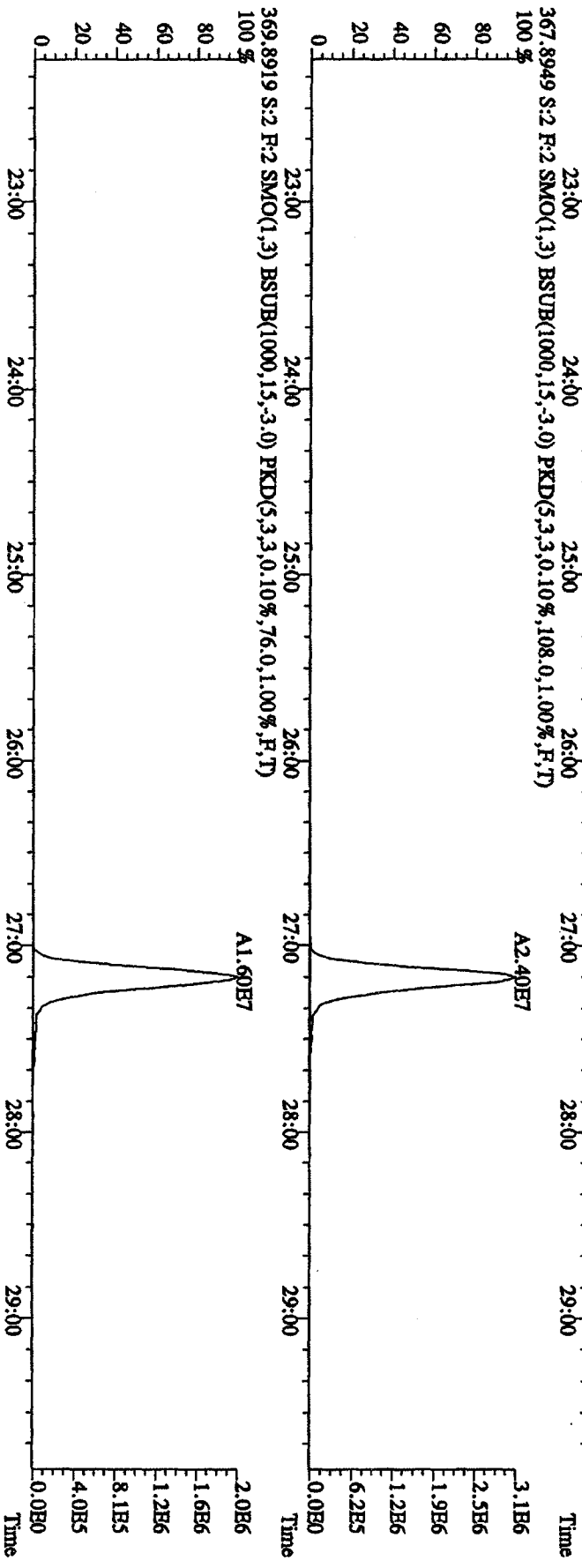
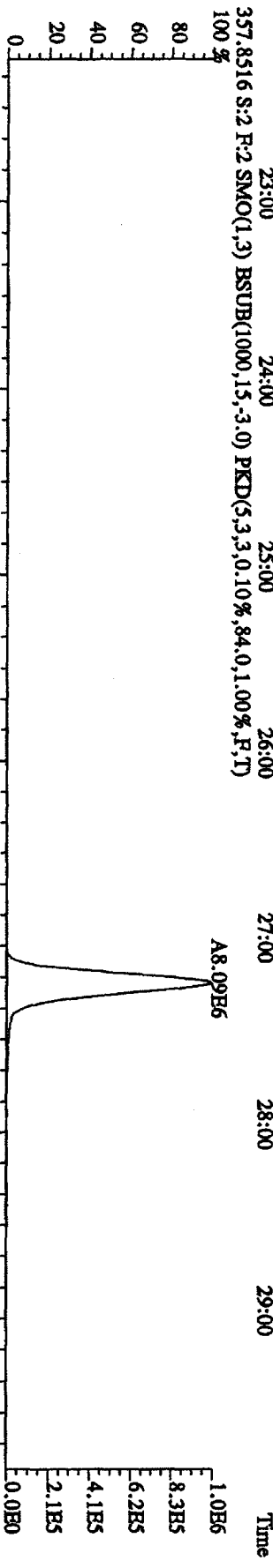
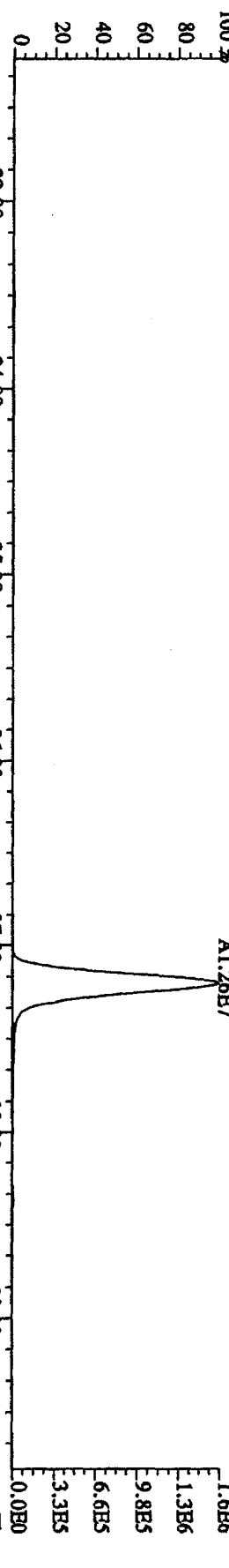
File:12ADP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1636,0,1.00%,F,T)



File:12AD104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS 3 10DXN111 Exp:DIOXINRES8290A
 339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1572.0,1.00%,F,T)



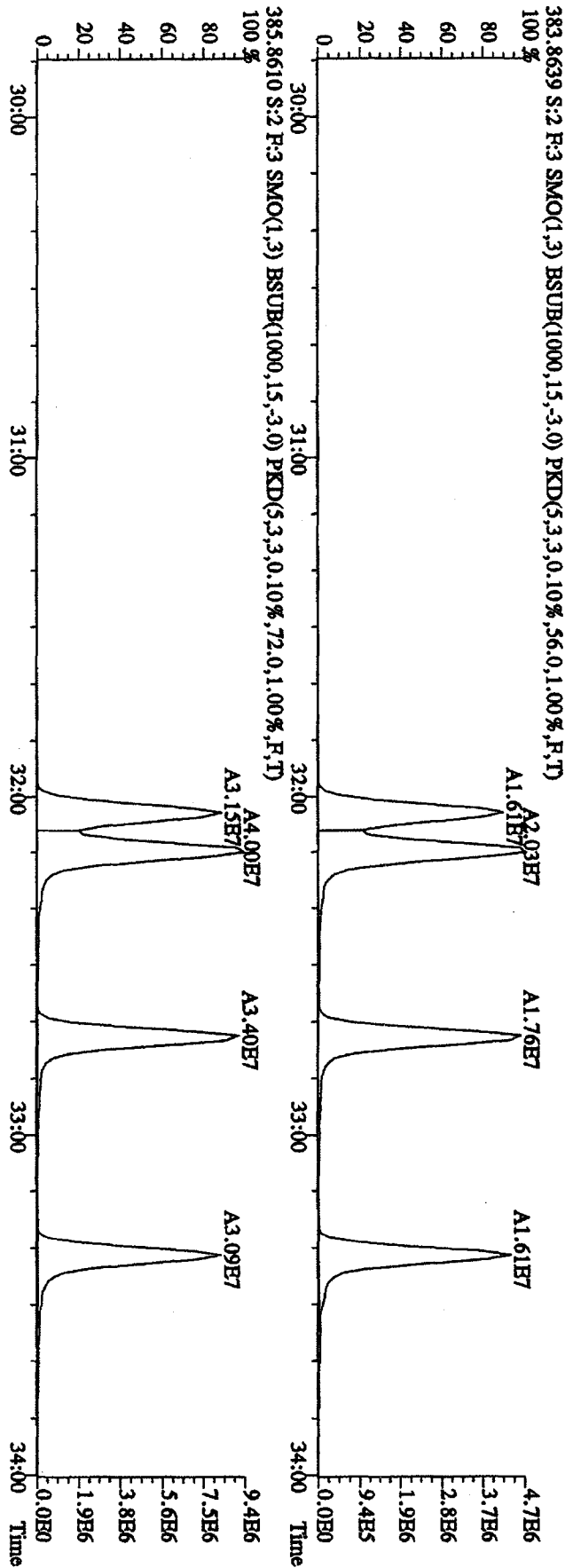
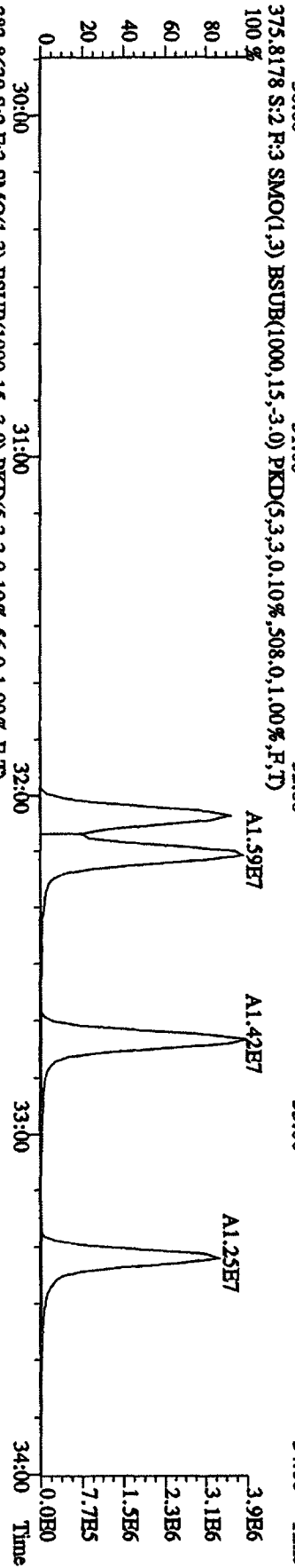
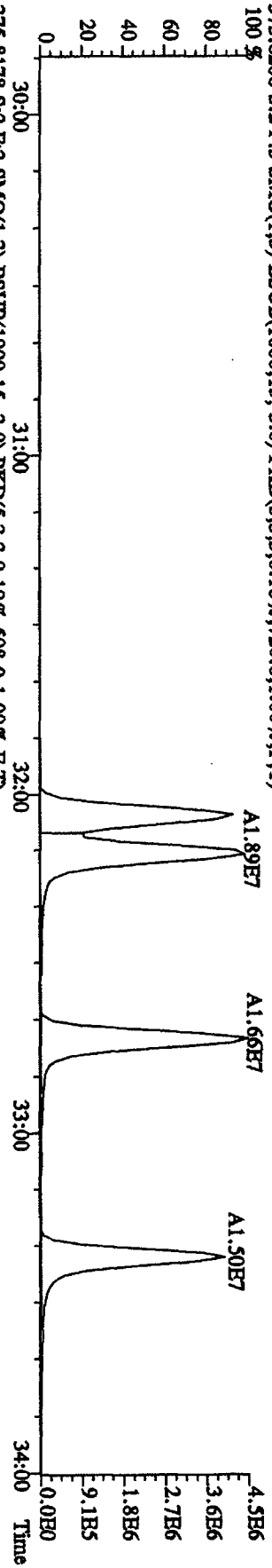
File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1036.0,1.00%,F,T)



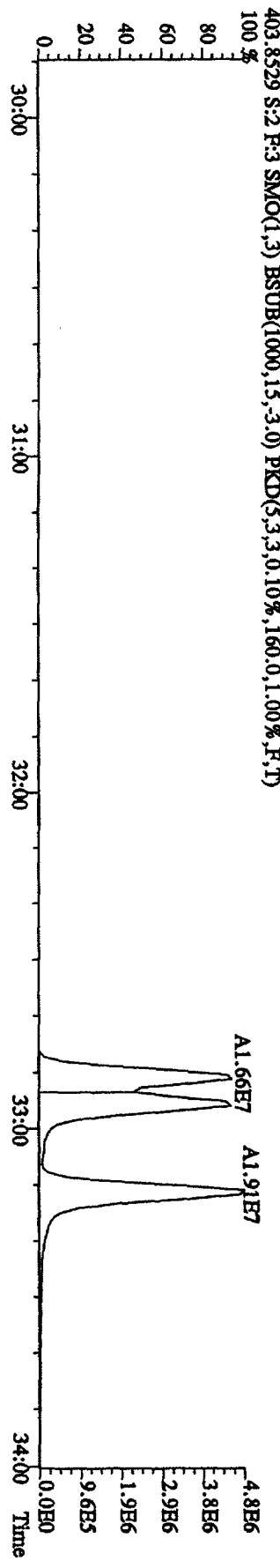
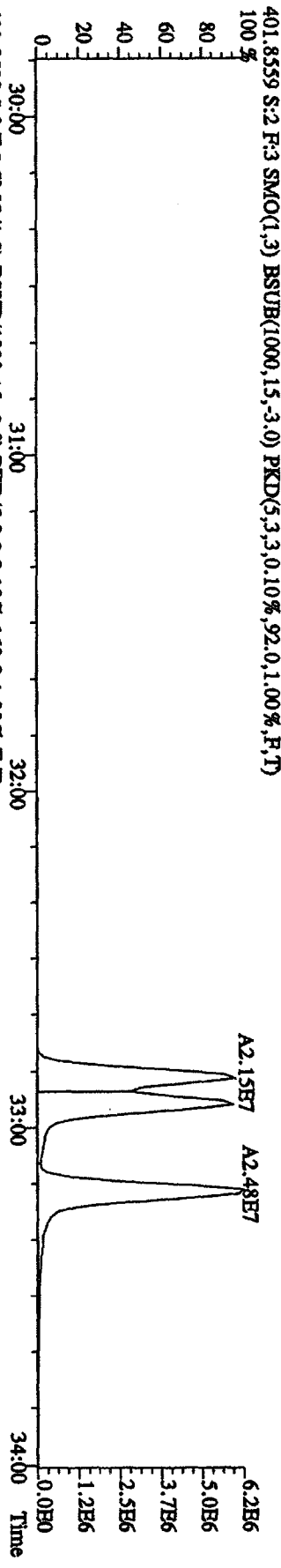
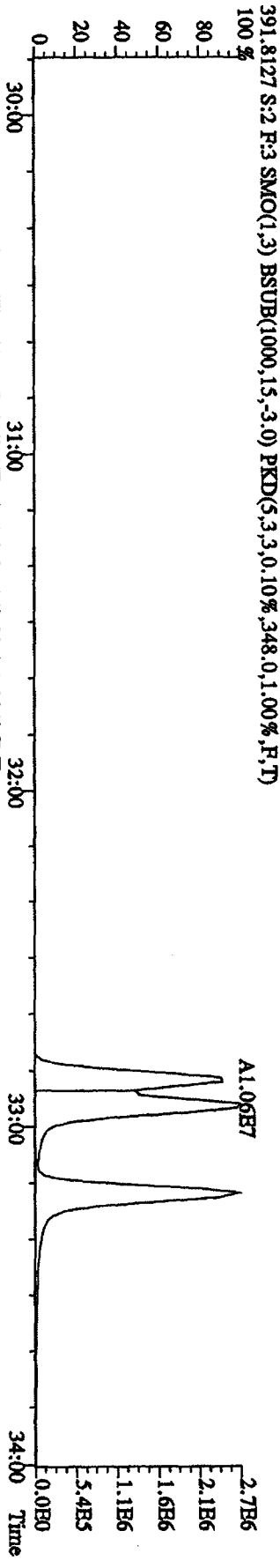
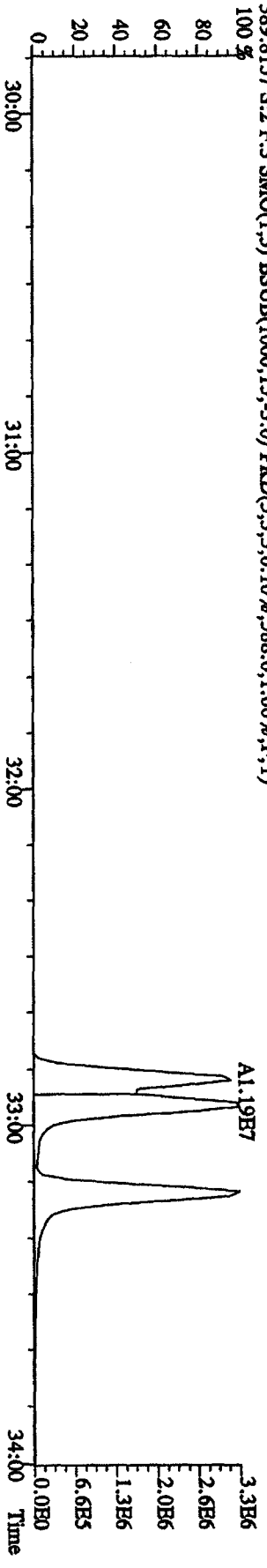
File: 12AP104D5 #1-317 Acq: 12-APR-2010 09:14:17 GC HT+ Voltage SIR Autospec-UltimaE

Sample#2 Text: ST0412 :CS-3 10DXN111 Exp: DIOXINRES8290A

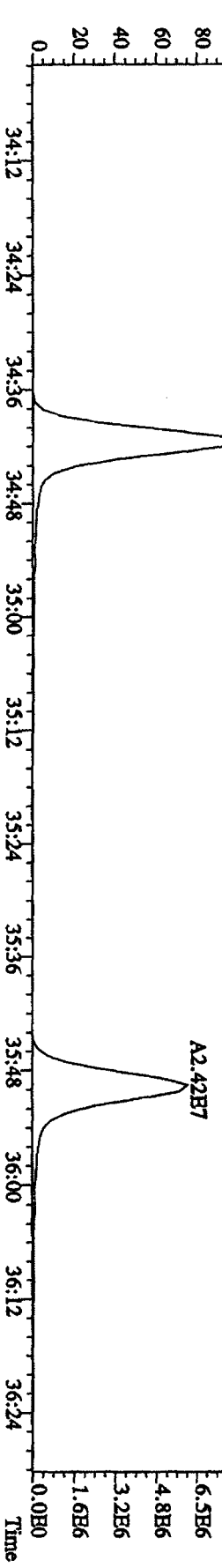
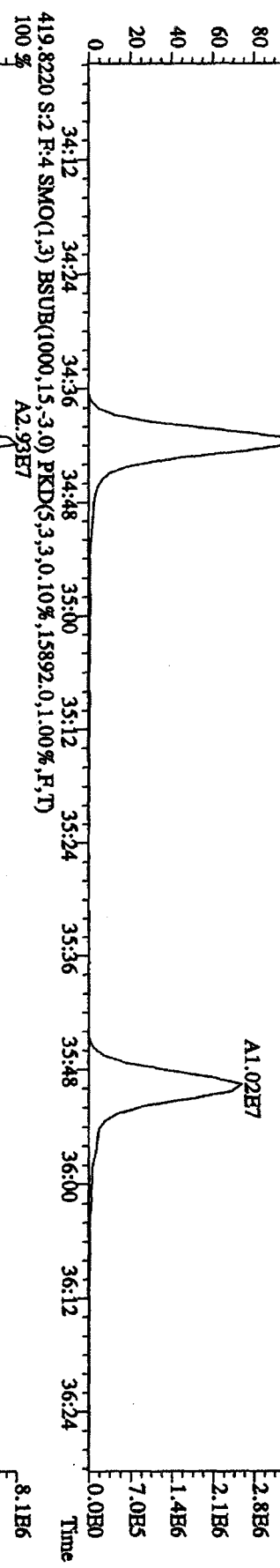
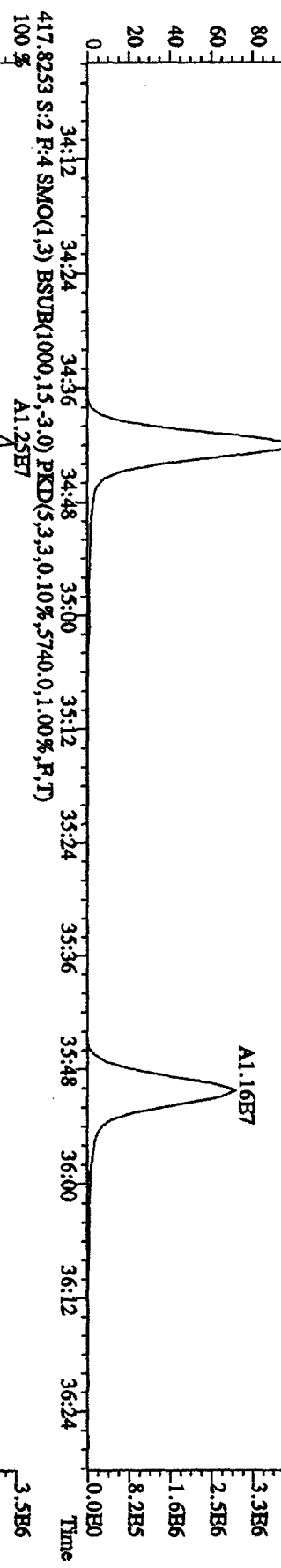
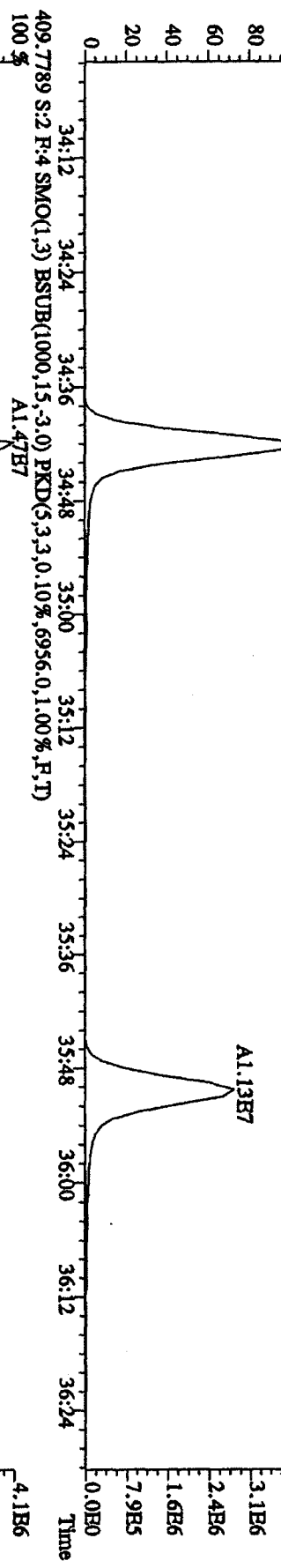
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,720.0,1.00%,F,T)



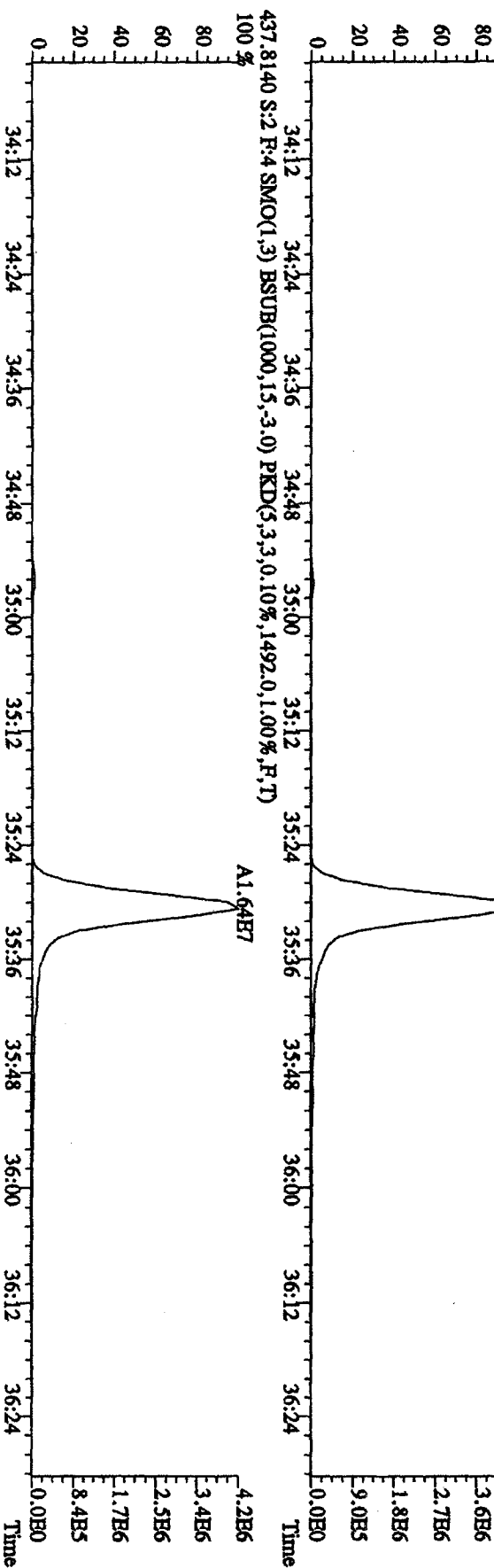
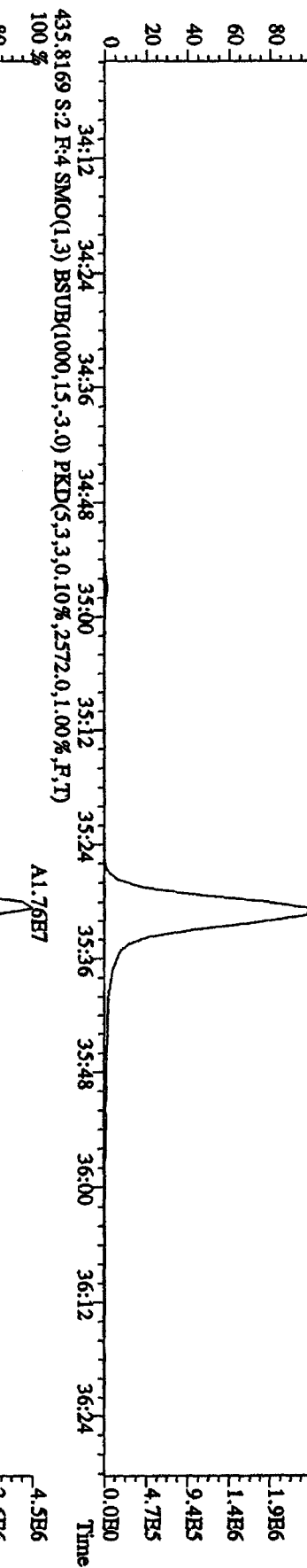
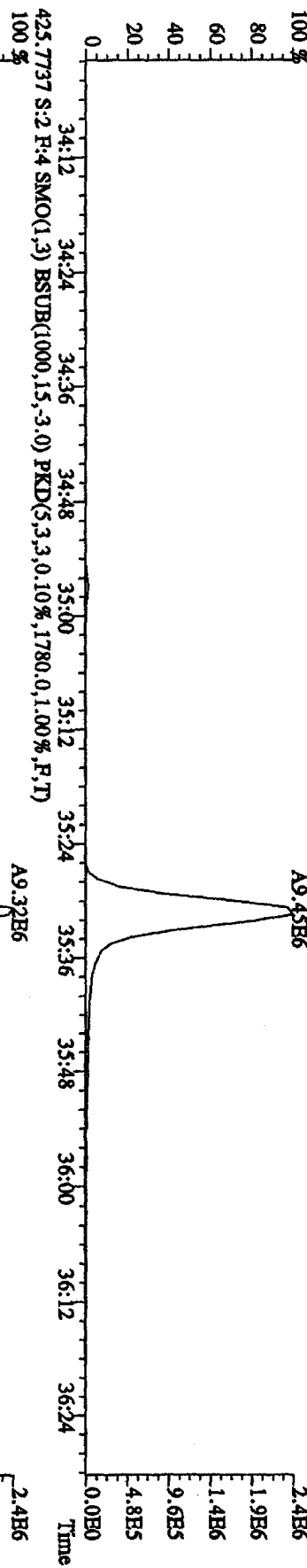
File:12AP104D5 #1-317 Acq:12-APR-2010 09:14:17 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,588.0,1.00%,F,T) 100%



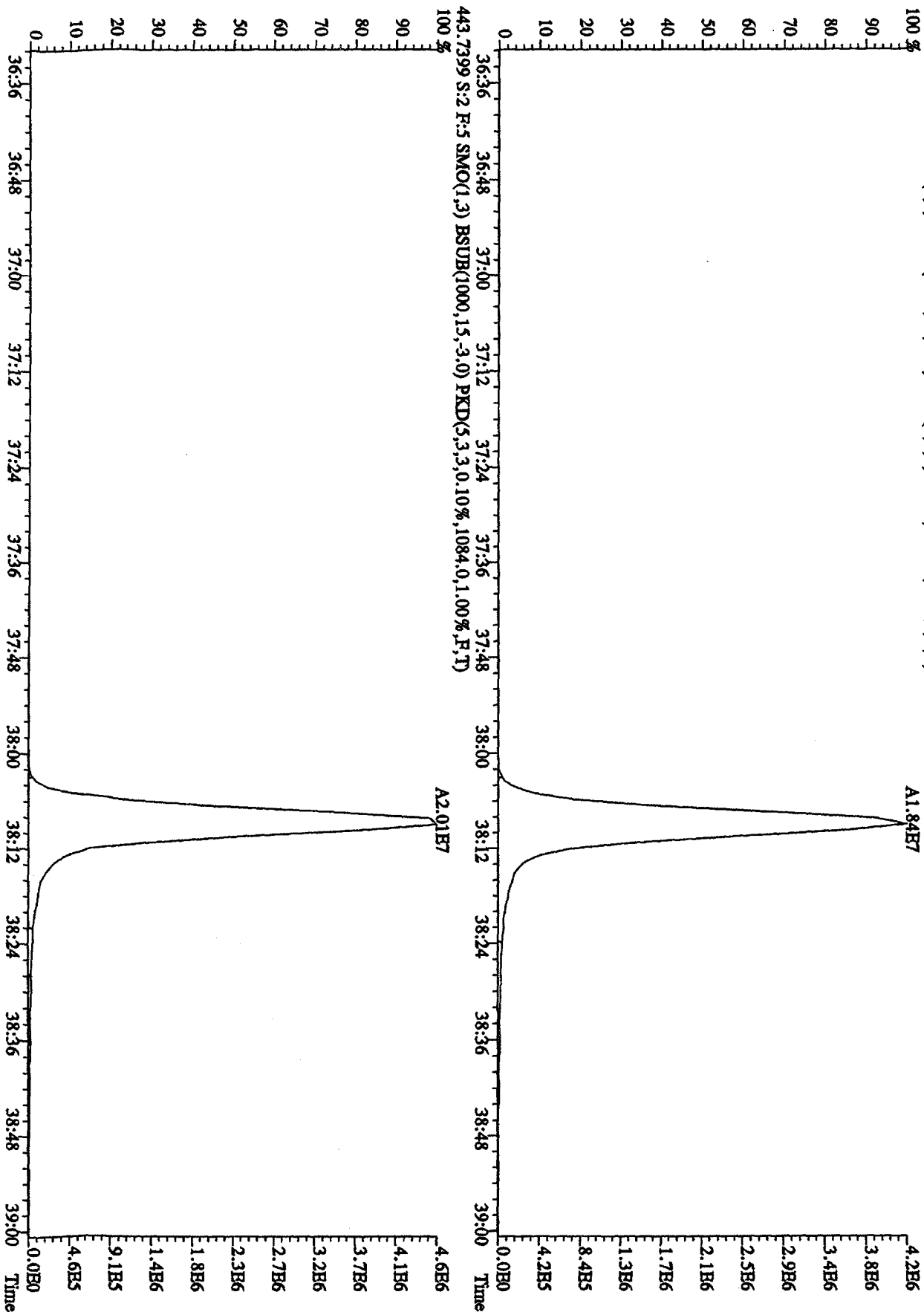
File:12AP104D5 #1-198 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6488,0,1.00%,F,T) 100%
 A1.43E7



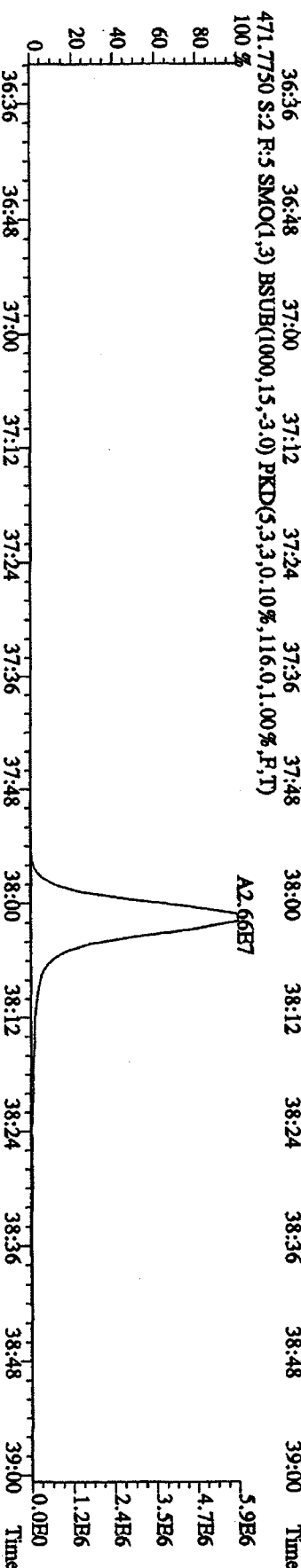
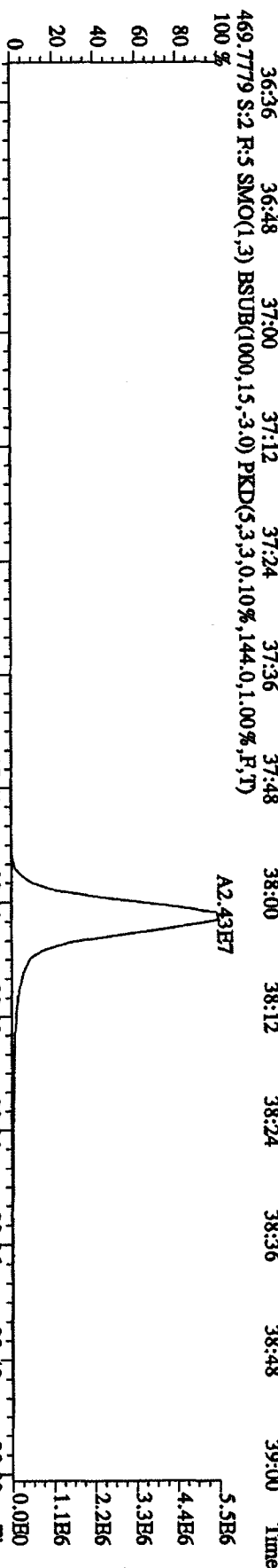
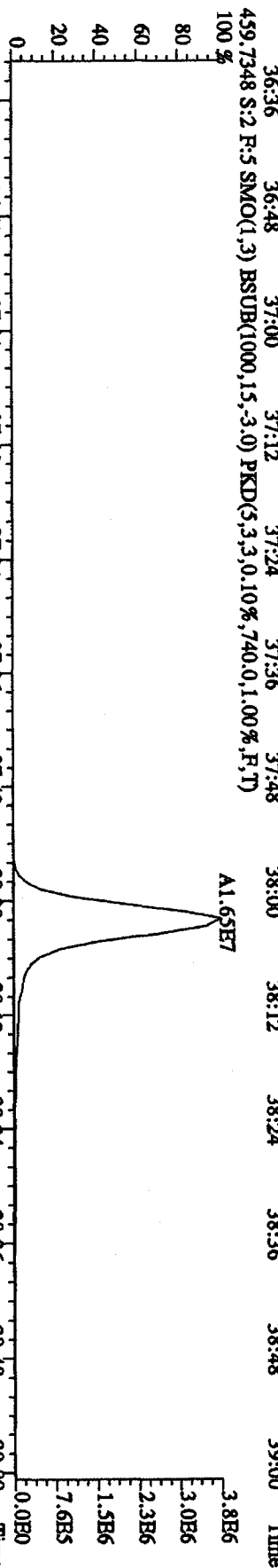
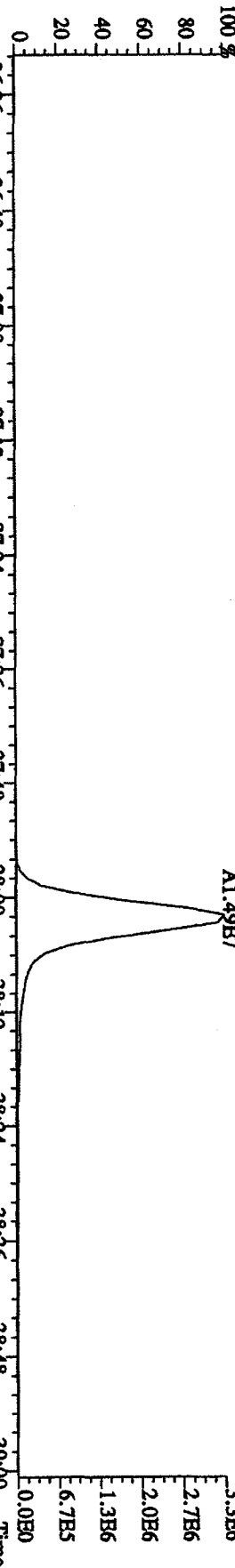
File: 12AP104D5 #1-198 Acq: 12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 Text: ST0412 : CS-3 10DDXN111 Exp: DIOXINRES8290A
 423.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1872.0,1.00%,F,T)



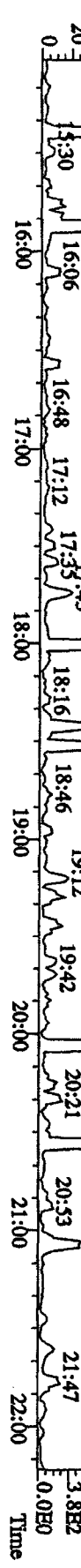
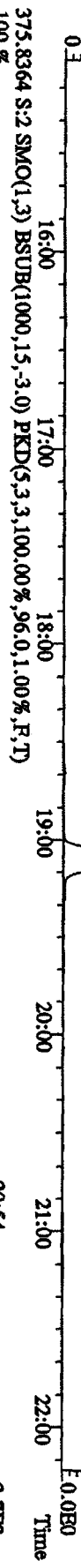
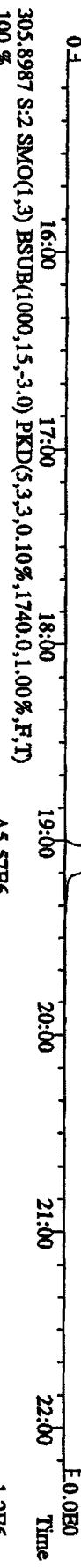
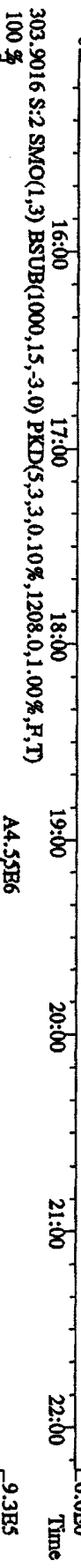
File: 12AP104D5 #1-191 Acq: 12-APR-2010 09:14:17 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text: ST0412 : CS-3 10DXN111 Exp: DIOXINRES8290A
 441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1340,0,1,1,00%,F,T)
 100%



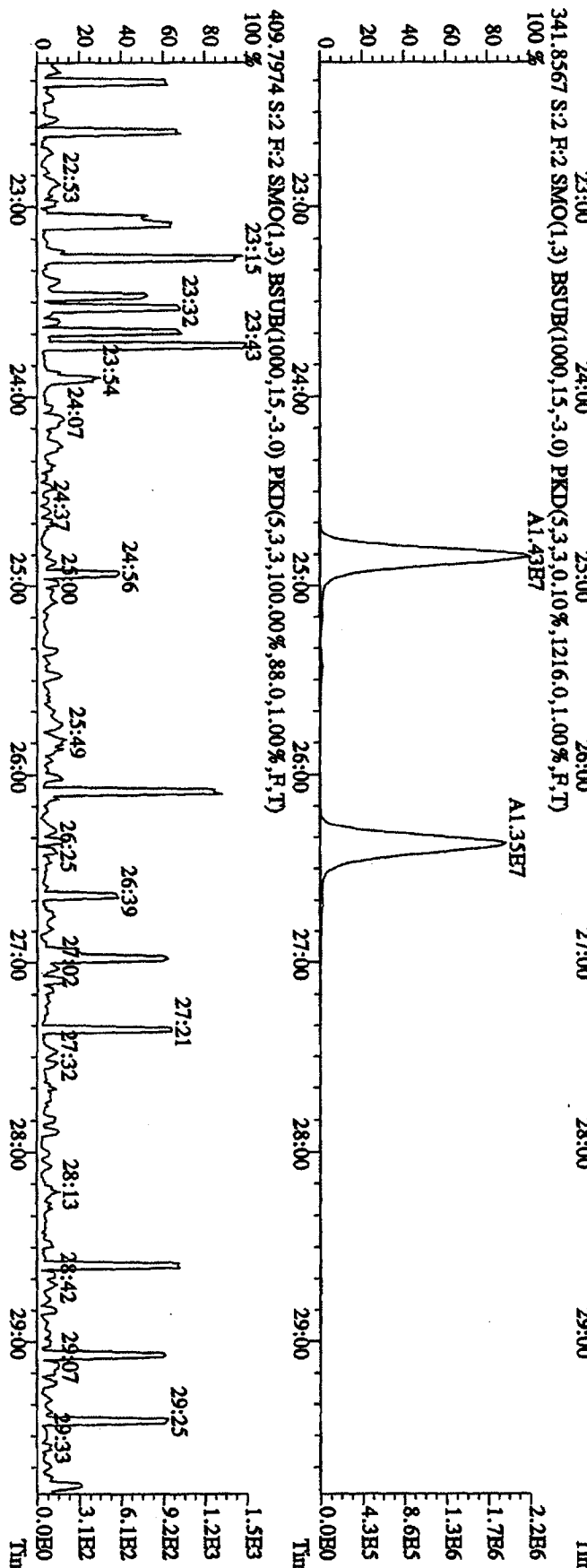
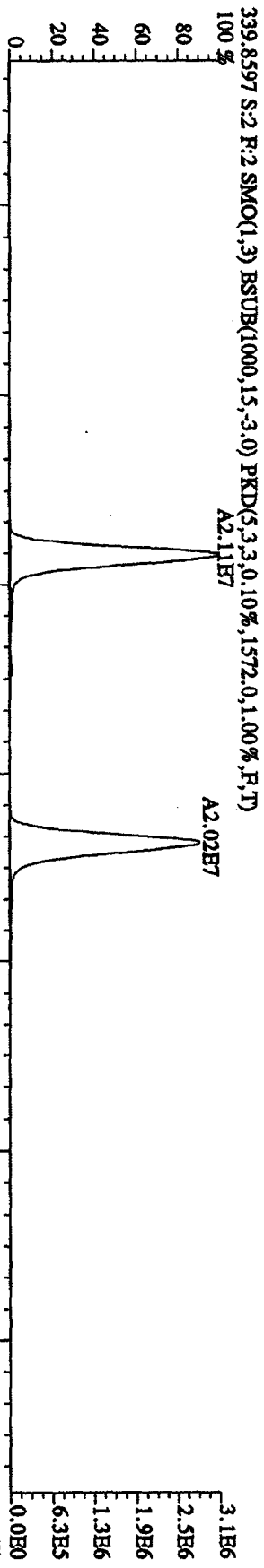
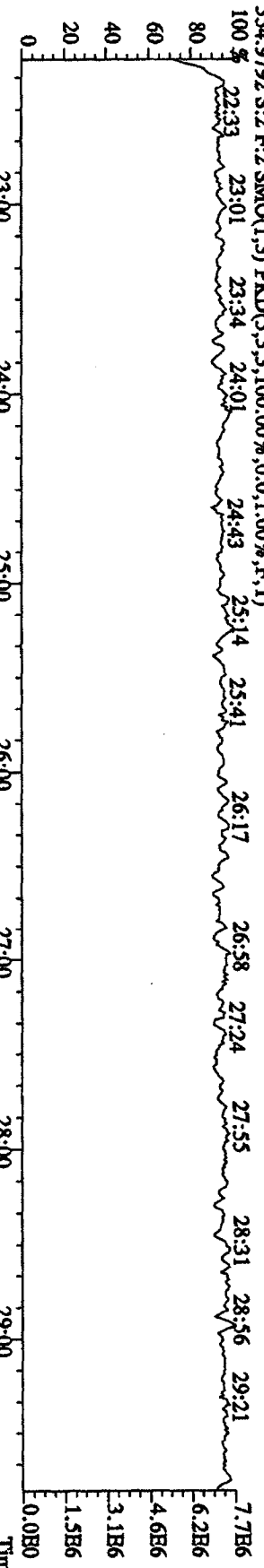
File:12AP104D5 #1-191 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-Ultimate
Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
457.7377 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,568.0,1.00%,F,T)



File:12AP104D5 #1-435 Acq:12-APR-2010 09:14:17 GC HI+ Voltage SIR Autospec-UHhMB
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A
 354.9792 S:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 15:14 15:41 16:29 17:15 17:50 18:21 18:56 19:23 19:48 20:41 21:08 21:43



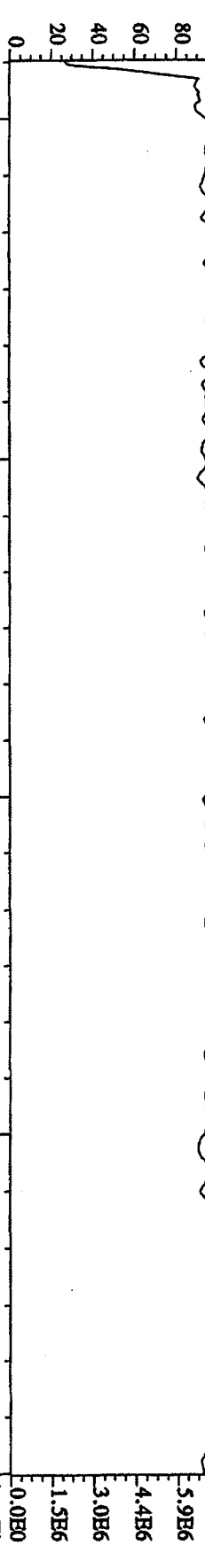
File:12AP104D5 #1-604 Acq:12-APR-2010 09:14:17 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A



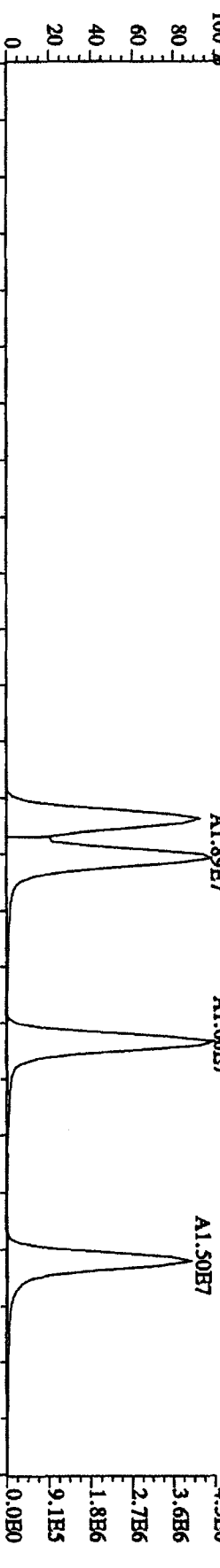
File: 12ADP104D5 #1-317 Acq: 12-APR-2010 09:14:17 GC HI+ Voltage SIR Autospec-UltimaE

Sample#2 Text: ST0412 : CS-3 10DXN111 Exp: DIOXINRES8290A

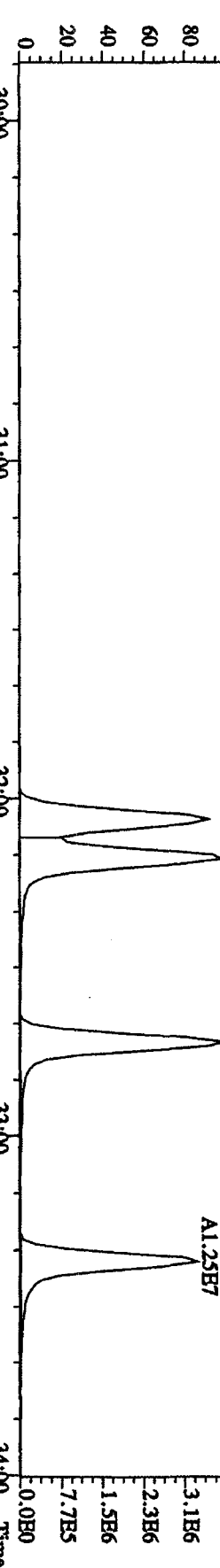
430.9728 S:2 F:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)



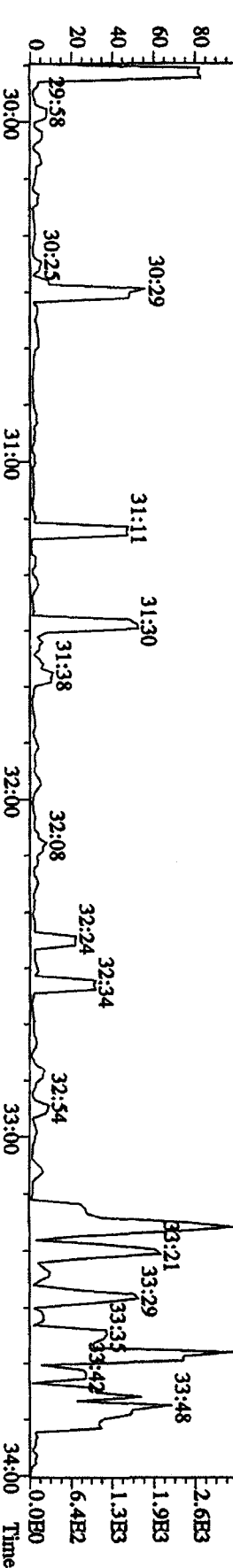
373.8208 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,720,0,1,00%,F,T)

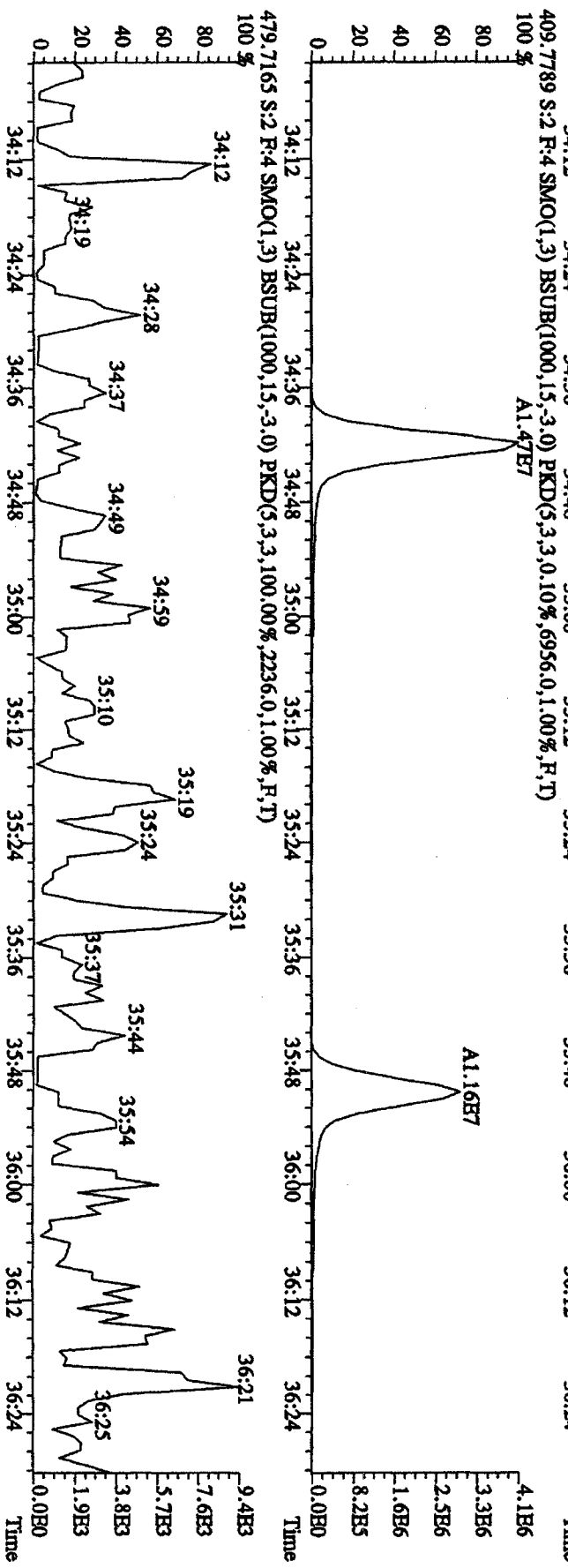
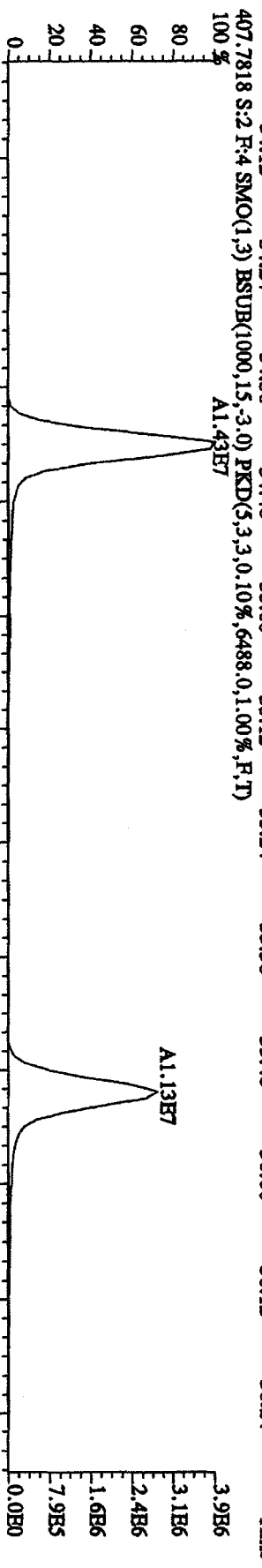
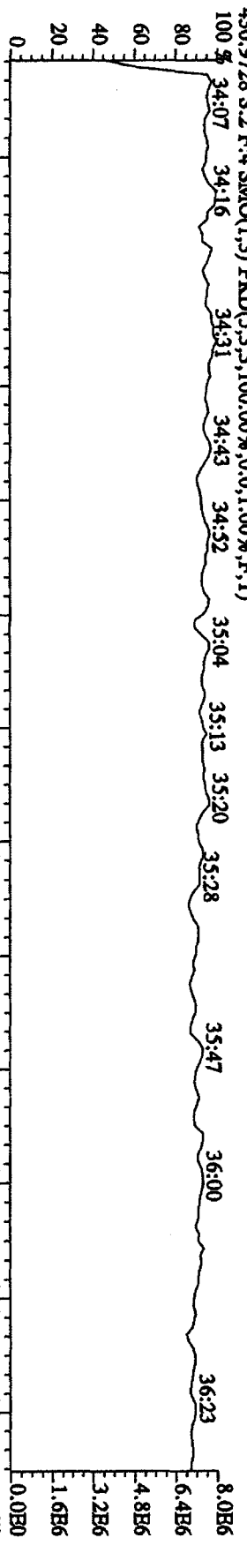


375.8178 S:2 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,508,0,1,00%,F,T)



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)

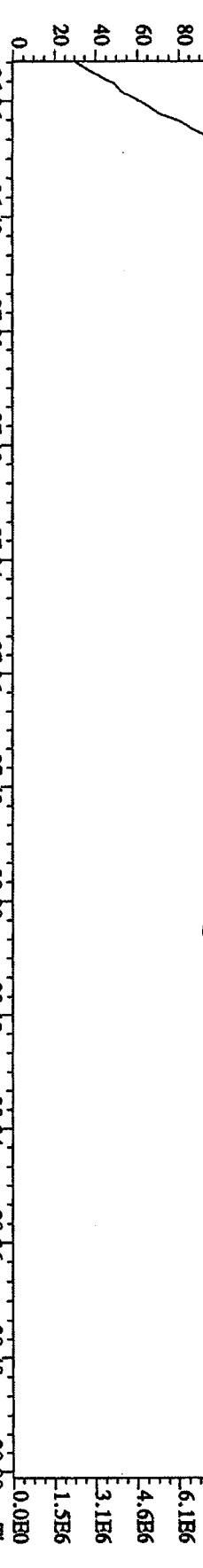




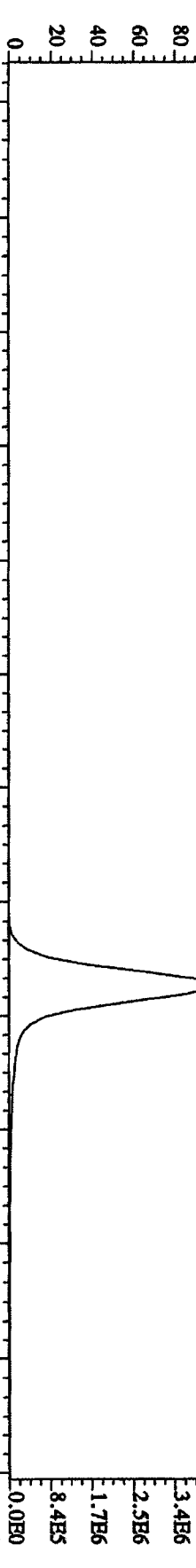
File:12AP104D5 #1-191 Acq:12-APR-2010 09:14:17 GC HI+ Voltage SIR Autospec-UltimaB

Sample#2 Text:ST0412 :CS-3 10DXN111 Exp:DIOXINRES8290A

442.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



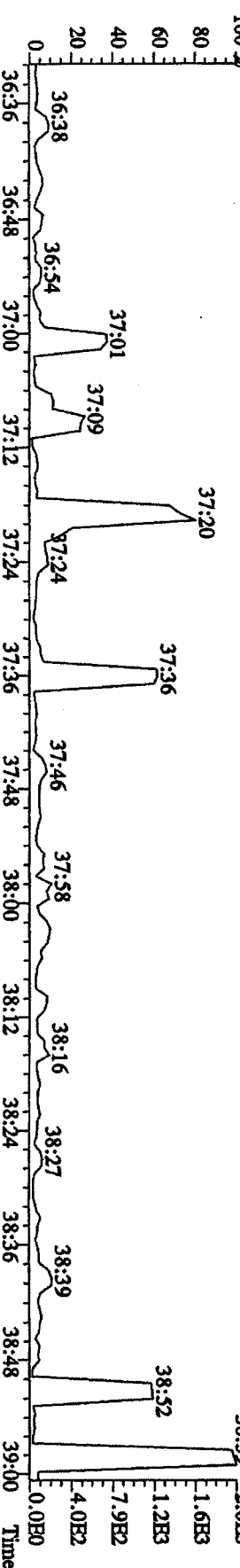
441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1340,0,1.00%,F,T)



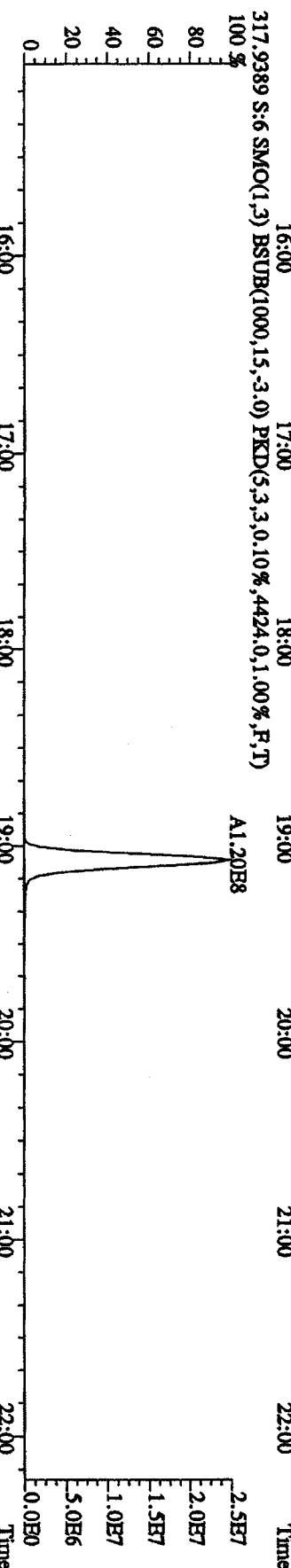
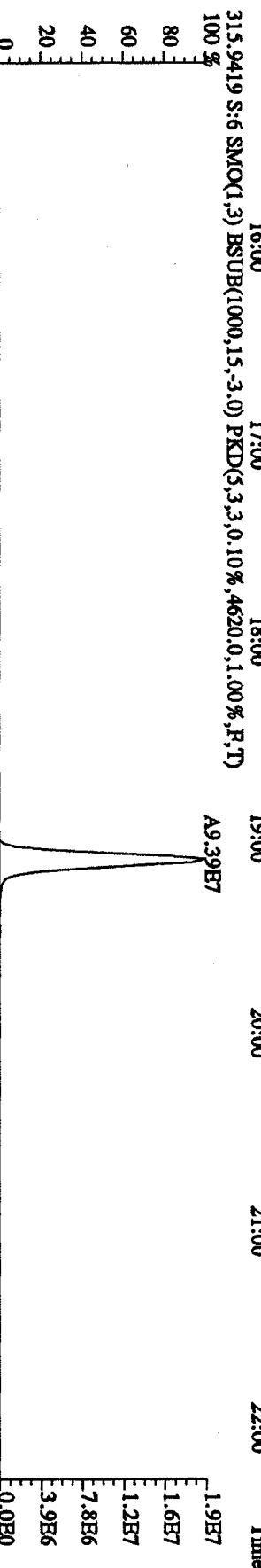
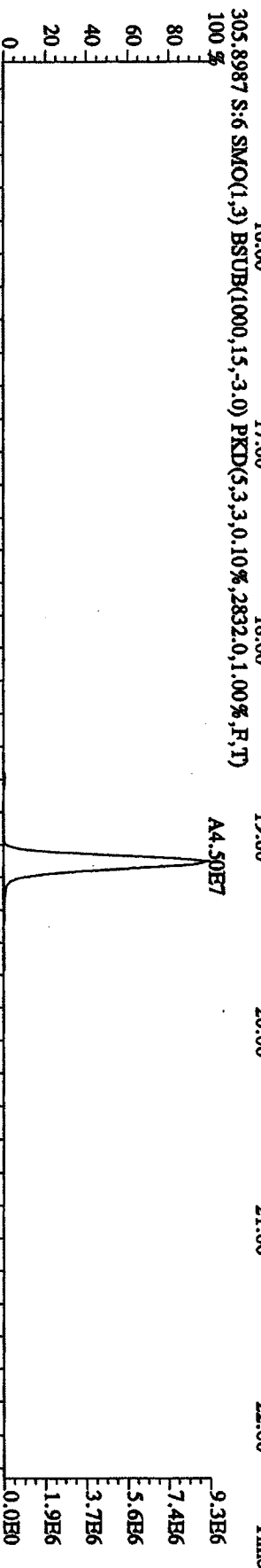
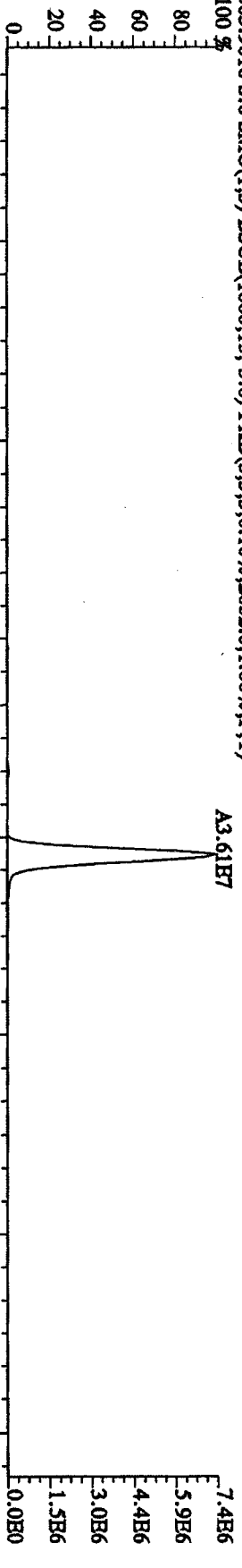
443.7399 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1084,0,1.00%,F,T)



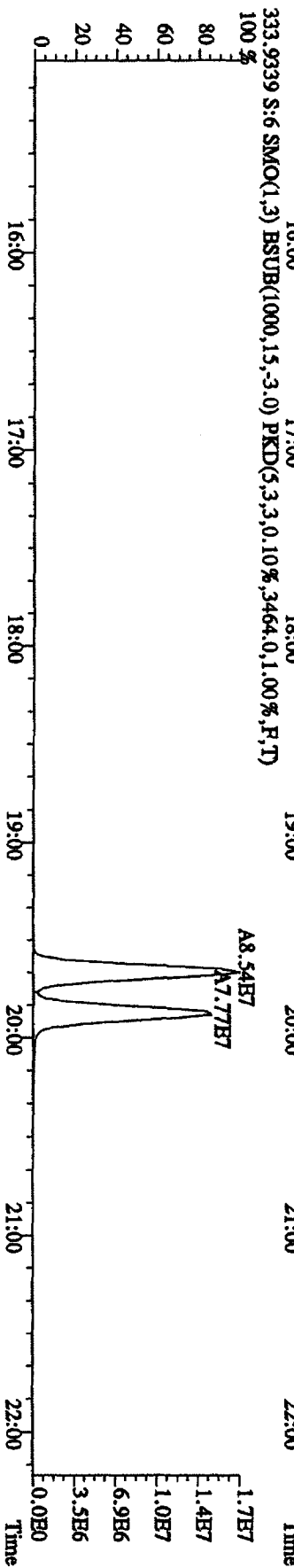
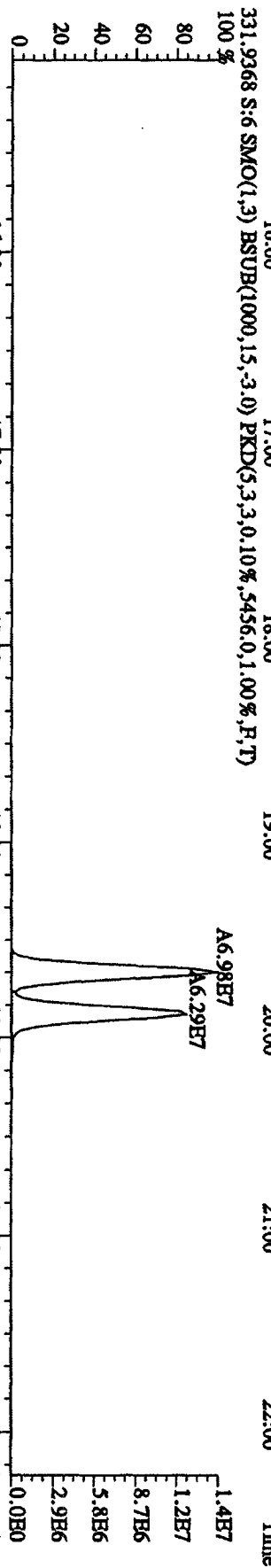
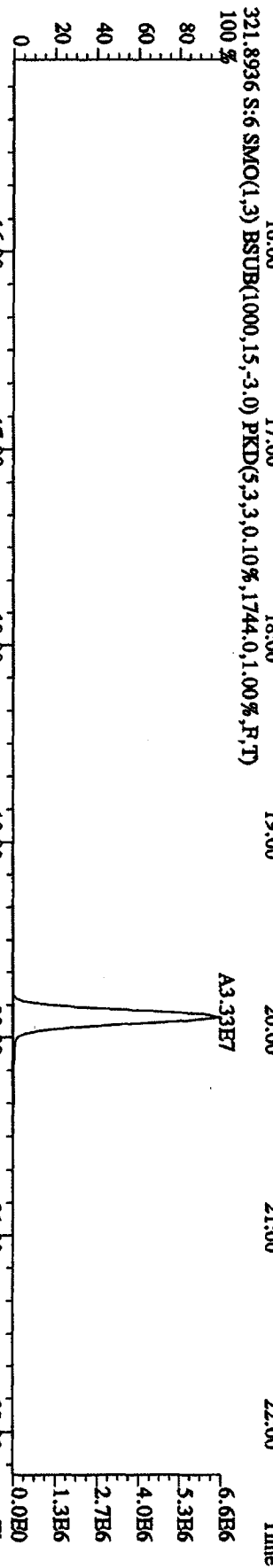
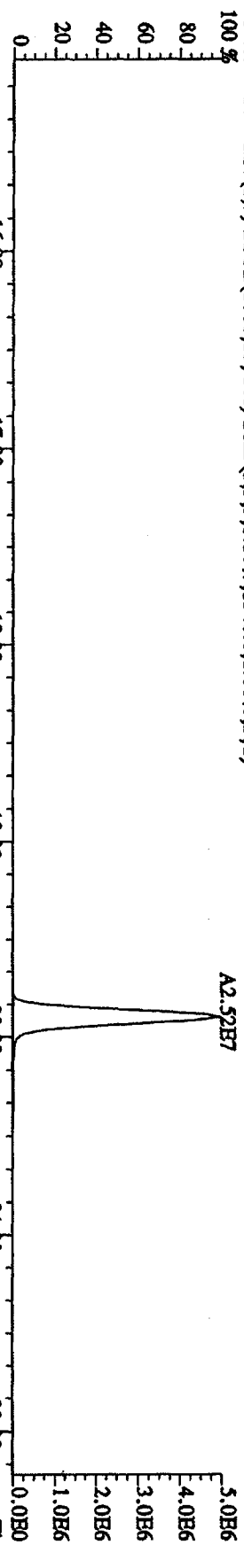
513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,5,100.00%,92,0,1.00%,F,T)



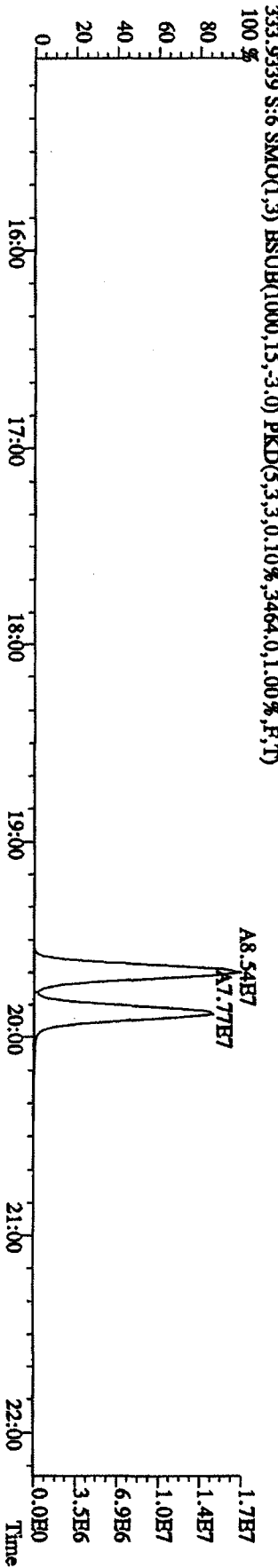
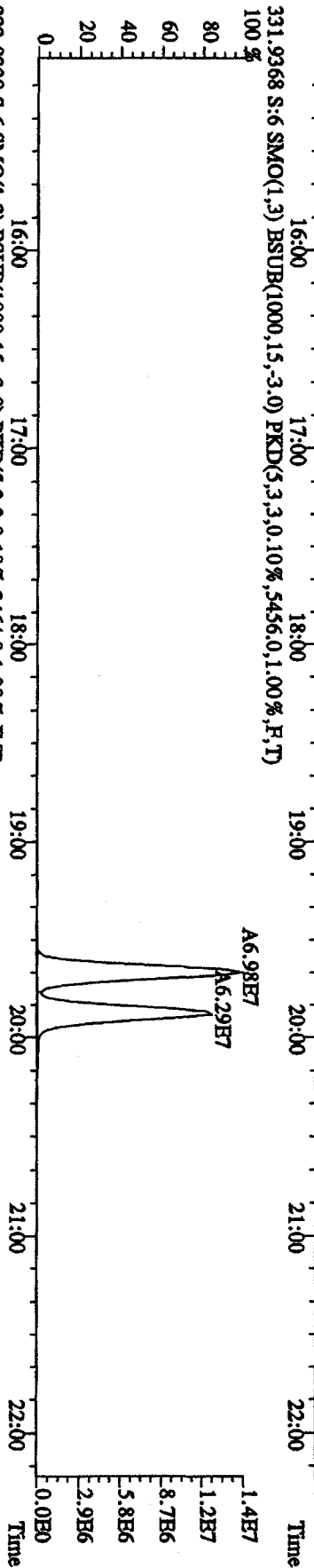
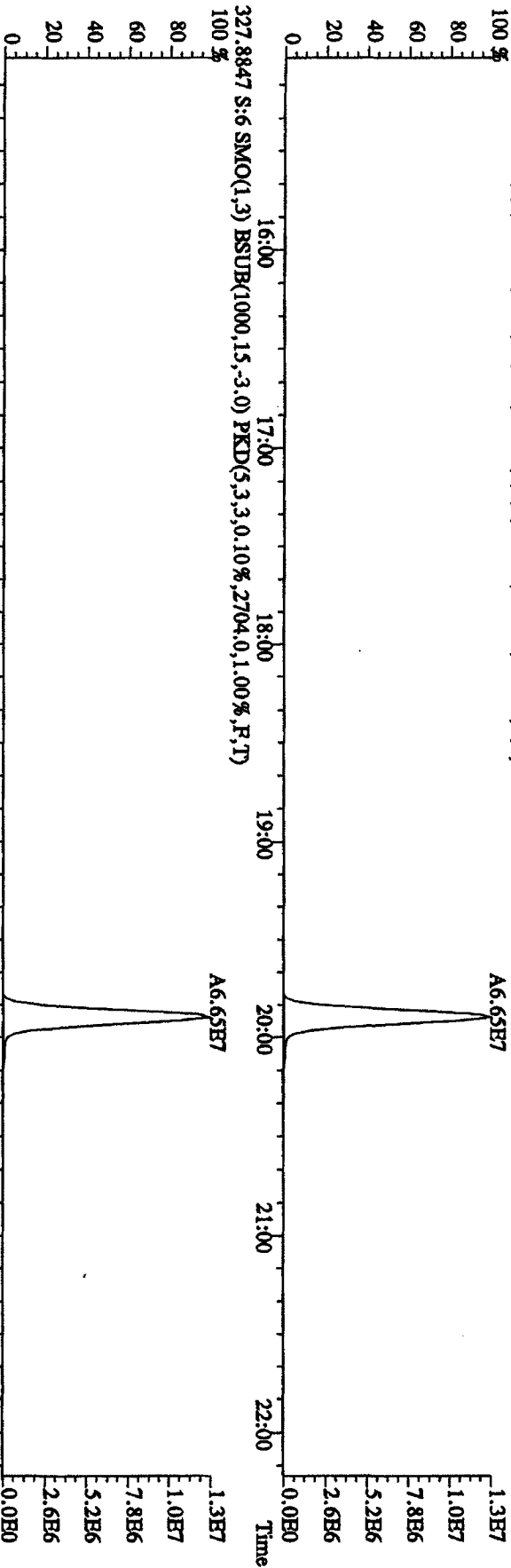
File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC HI+ Voltage SIR Autospec-UltraB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 303.9016 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2052.0,1.00%,F,T) 100%



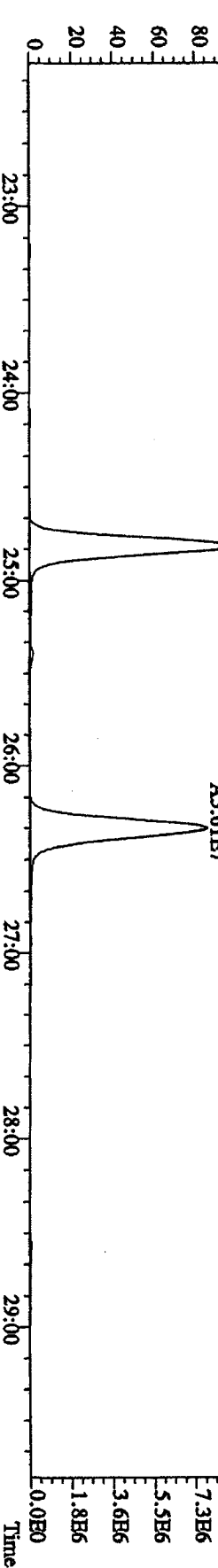
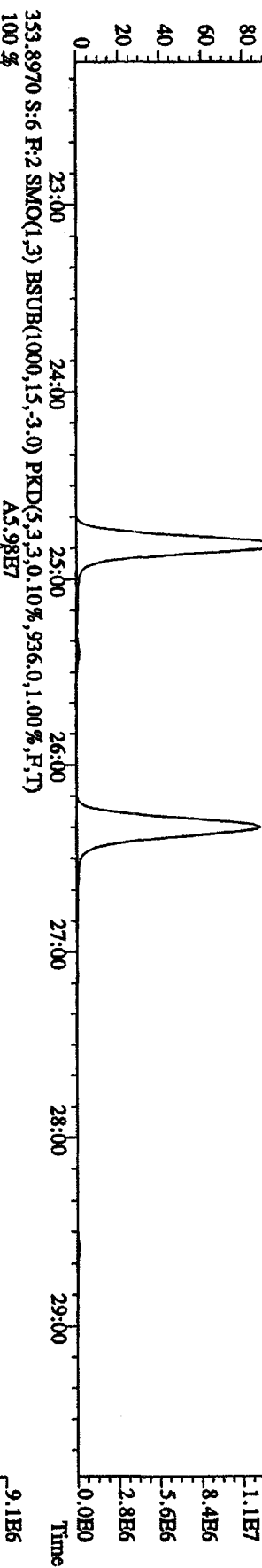
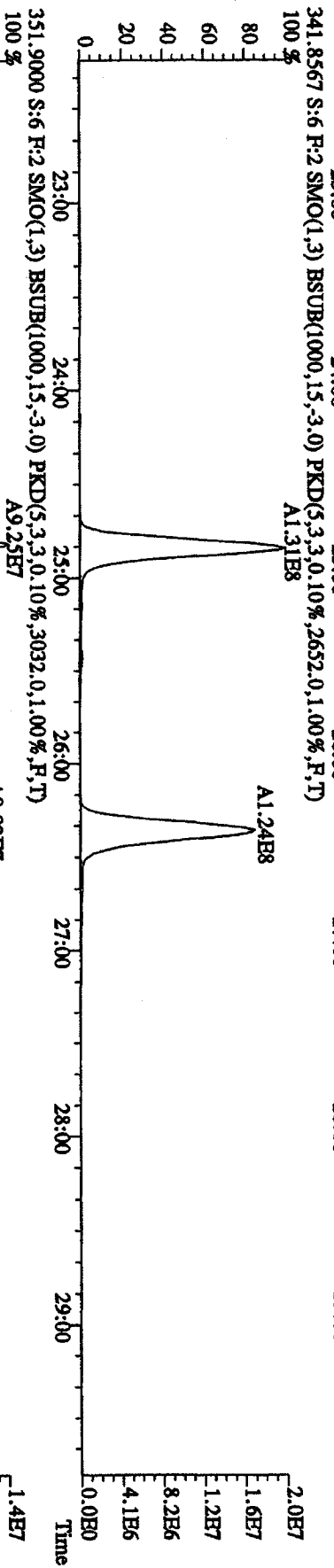
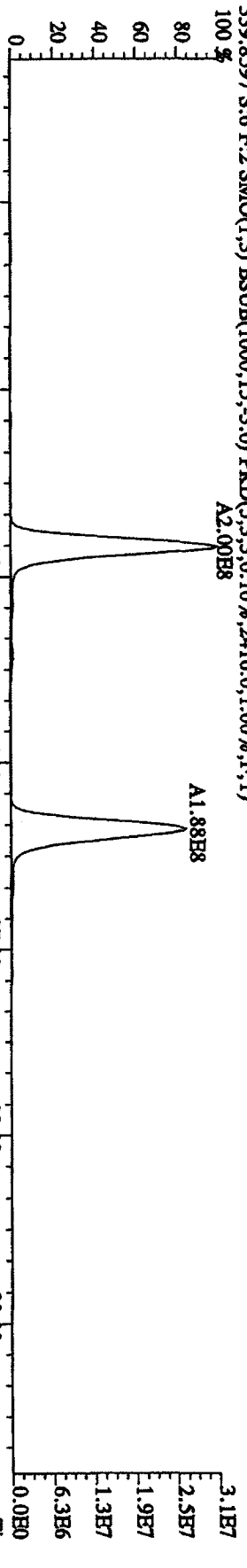
File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 319.8965 S:6 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1540.0,1.00%,F,T)



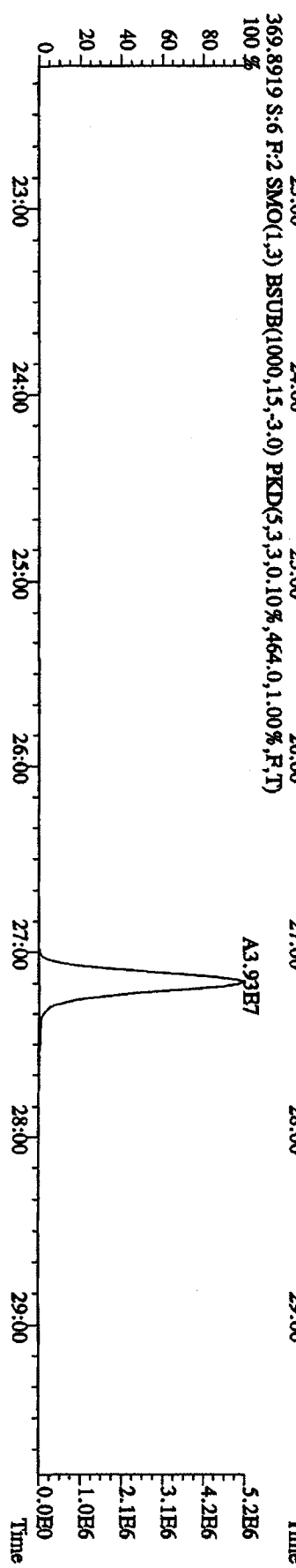
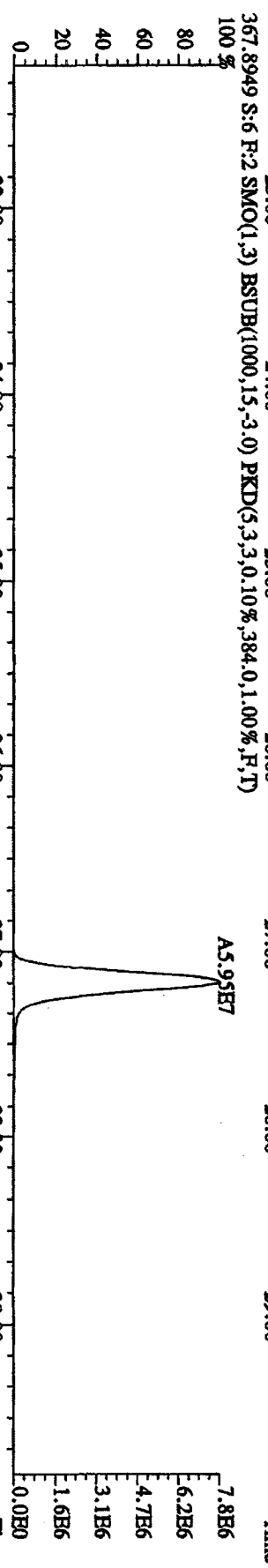
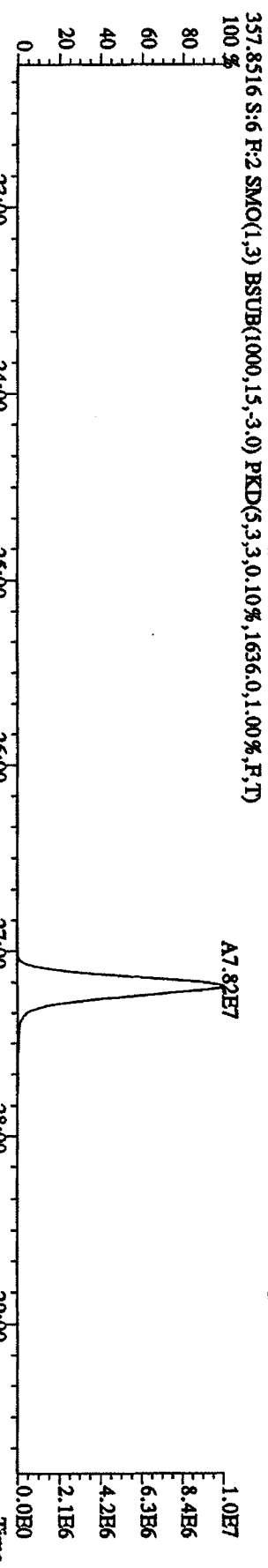
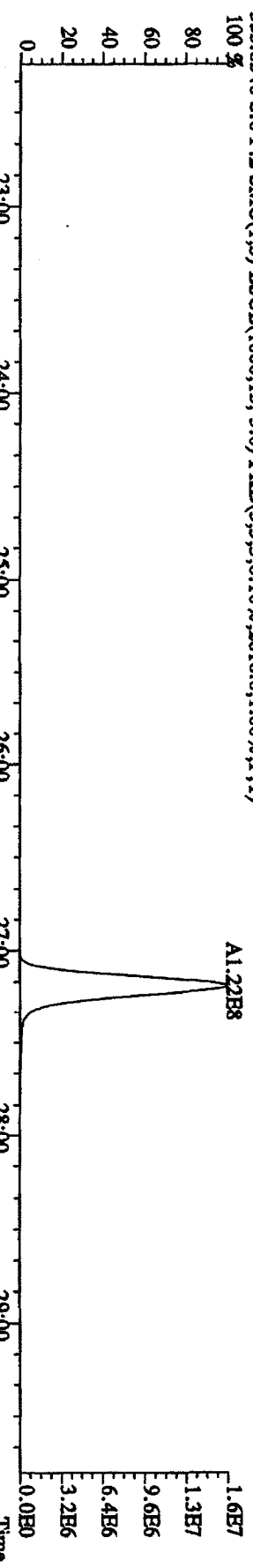
File: 12AP104D5 #1-435 Acq: 12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRES8290A
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2704,0,1.00%,F,T) 100%



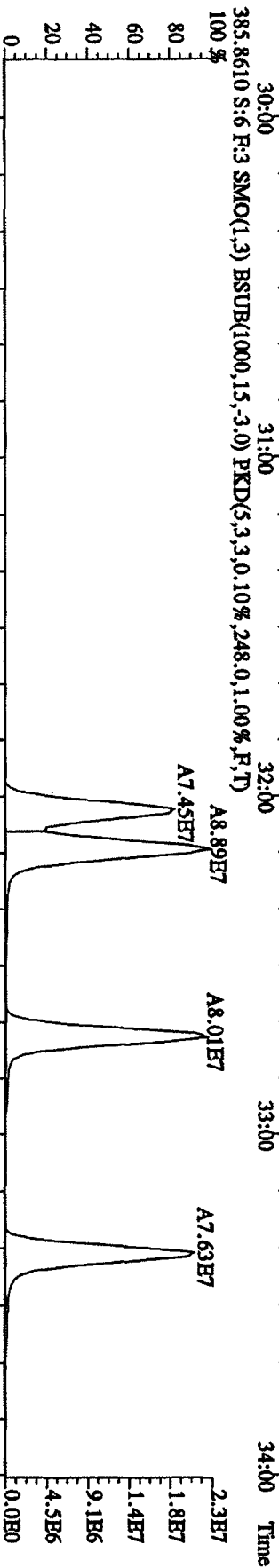
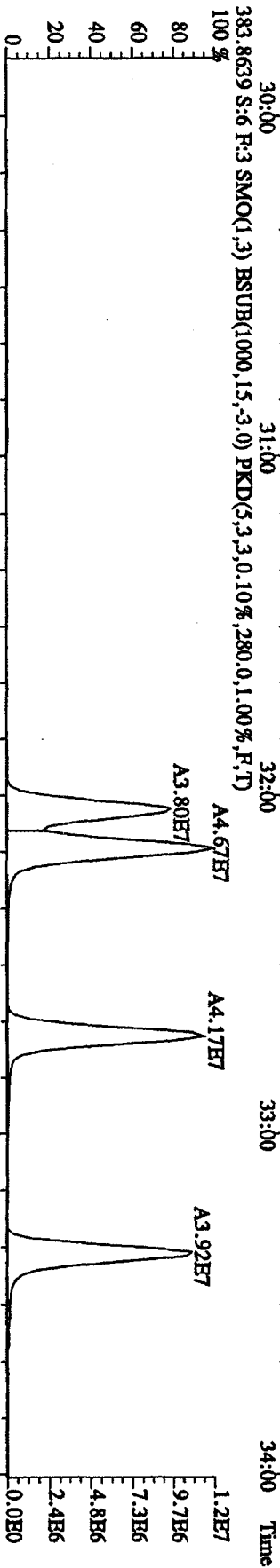
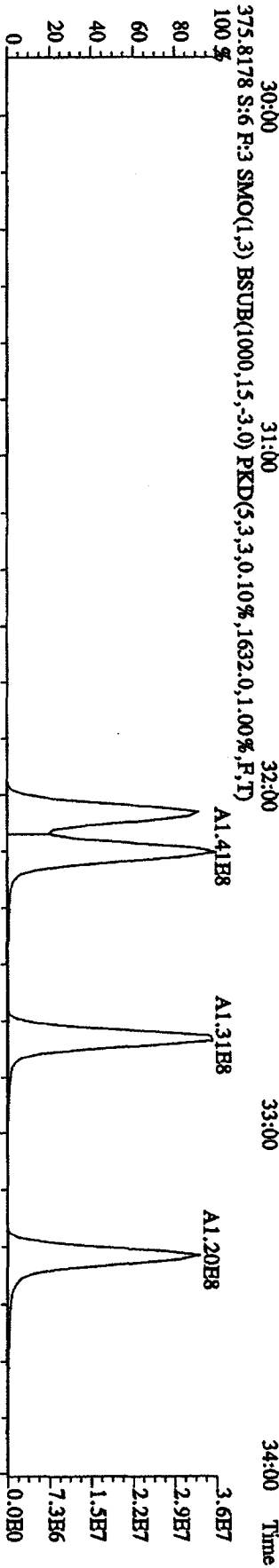
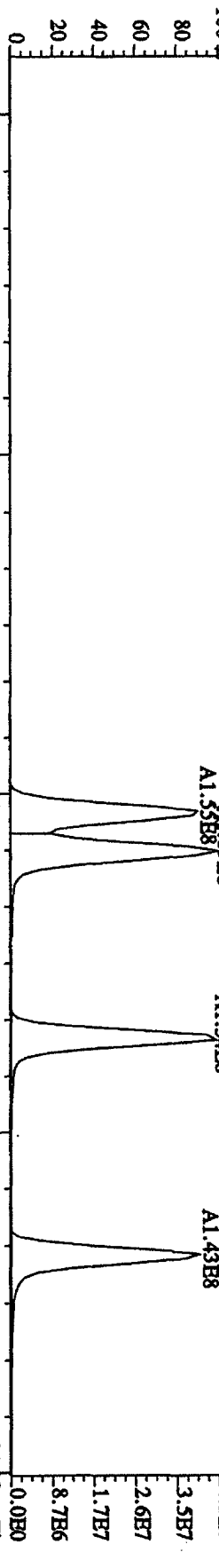
File:12AP104D5 #1-604 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2416.0,1.00%,F,T)
 100 % A2.09E8



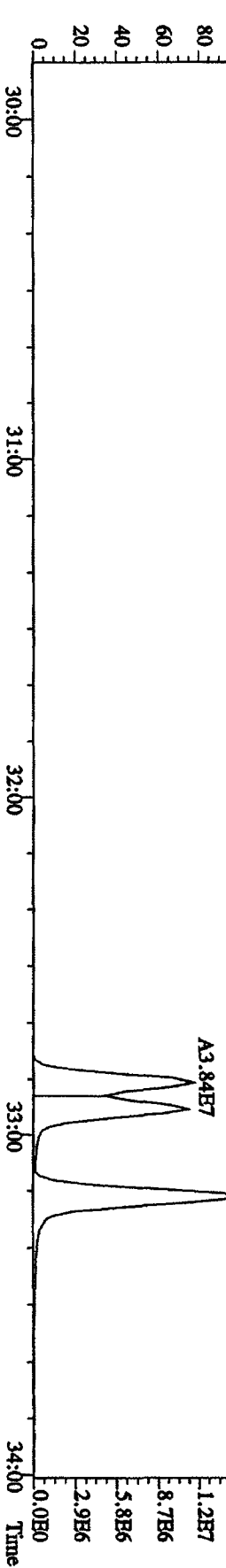
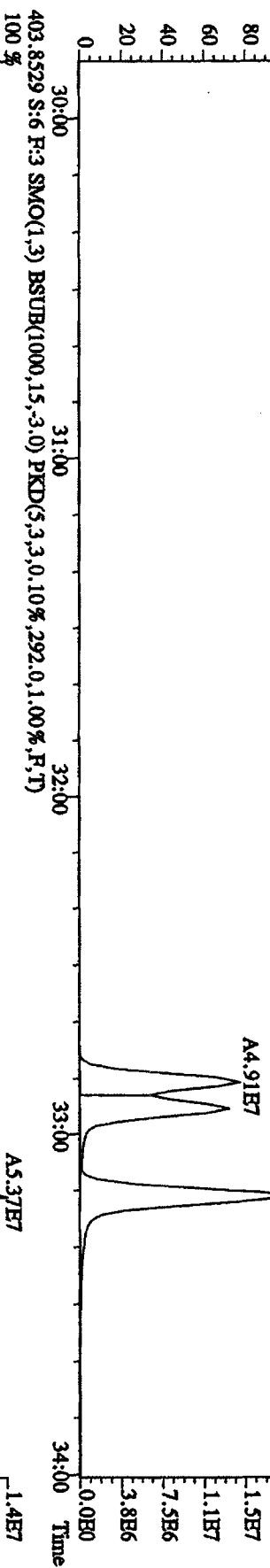
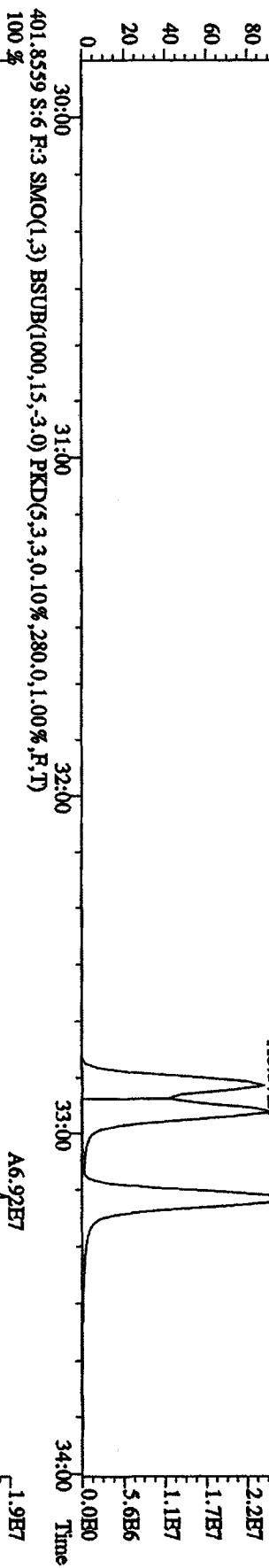
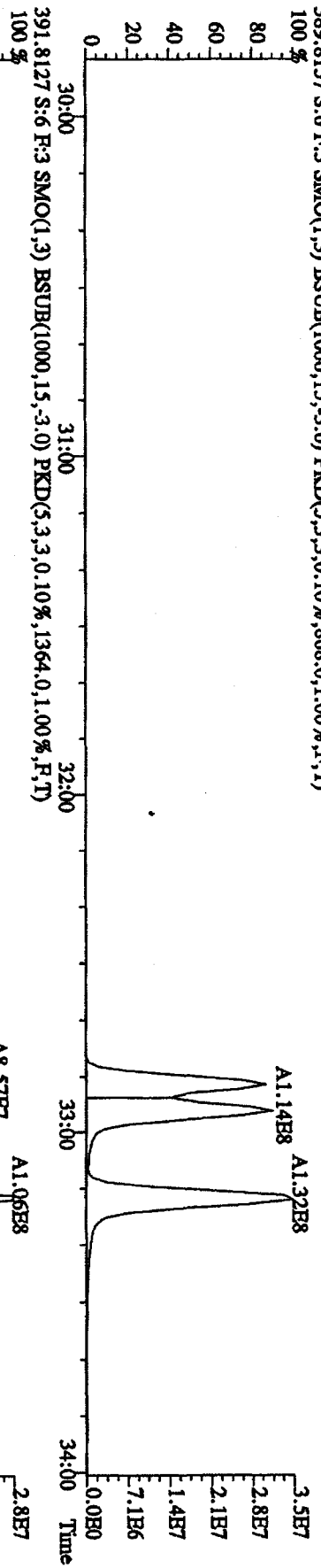
File: 12AP104D5 #1-604 Acq: 12-APR-2010 12:16:51 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRES8290A
 355,8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2816.0,1.00%,F,T)
 100 %



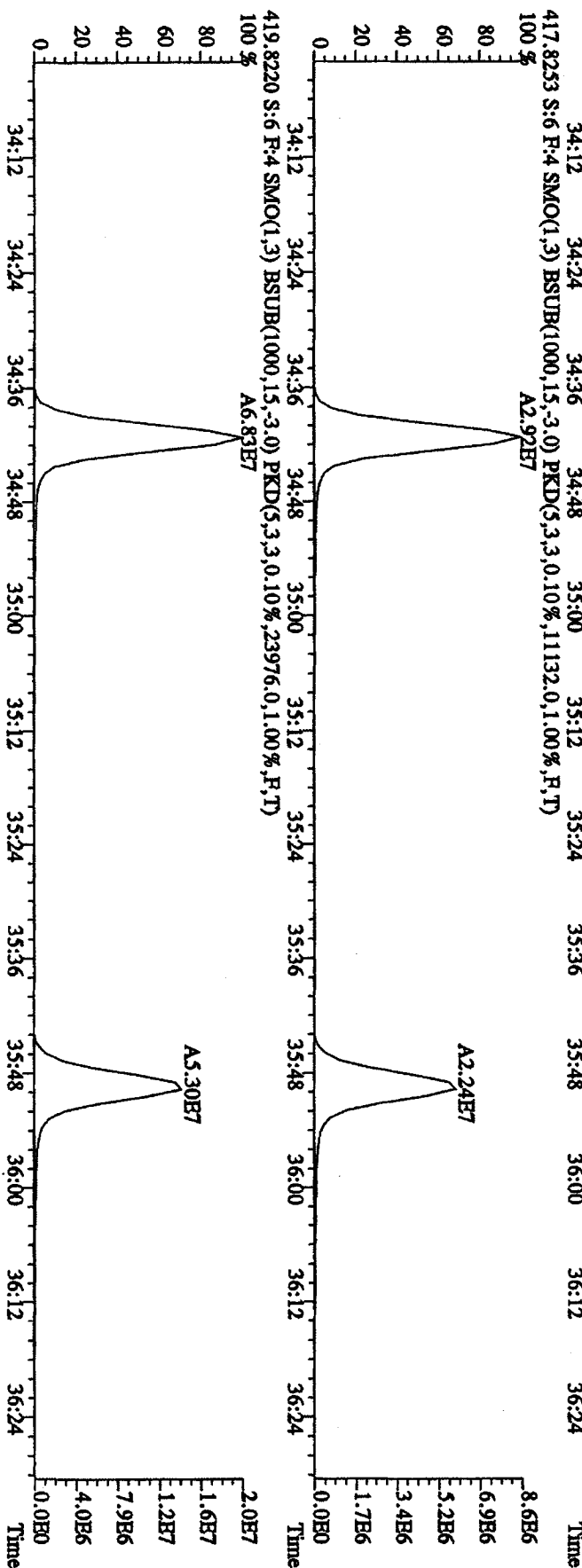
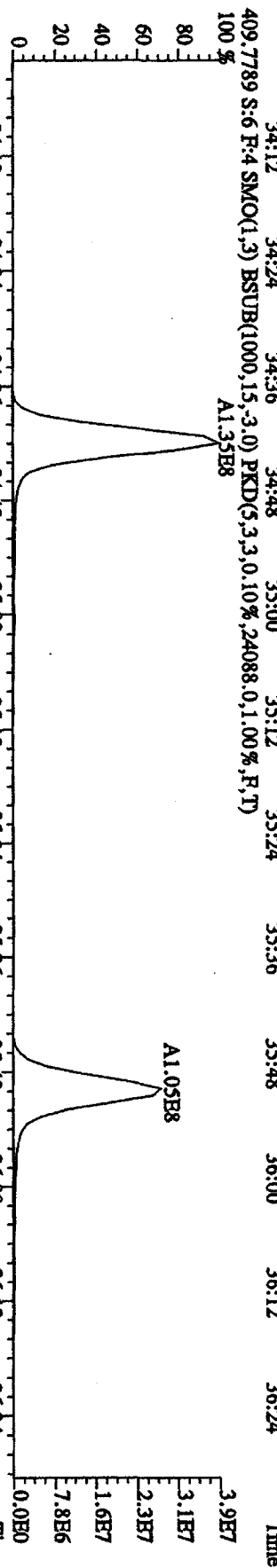
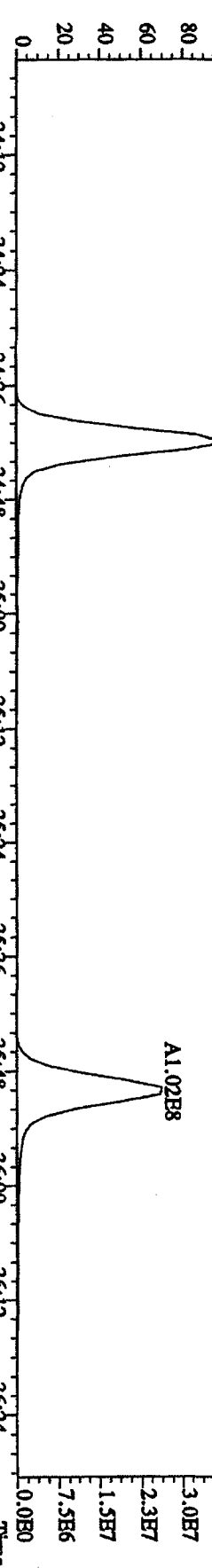
File:12AP104D5 #1-317 Acq:12-APR-2010 12:16:51 GC HF+ Voltage SIR Autospec-Ultimate
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2520,0,1.00%,F,T)
 100 %



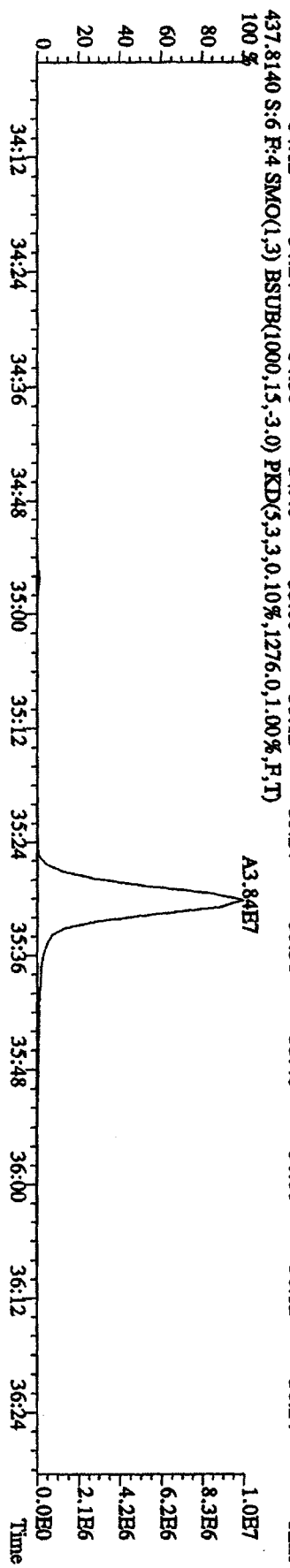
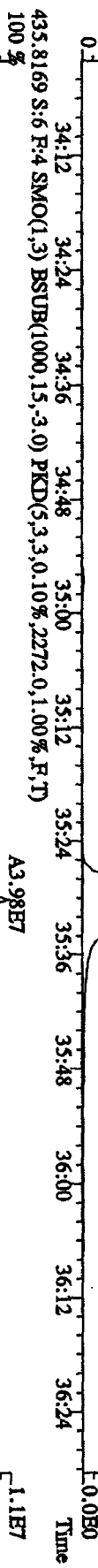
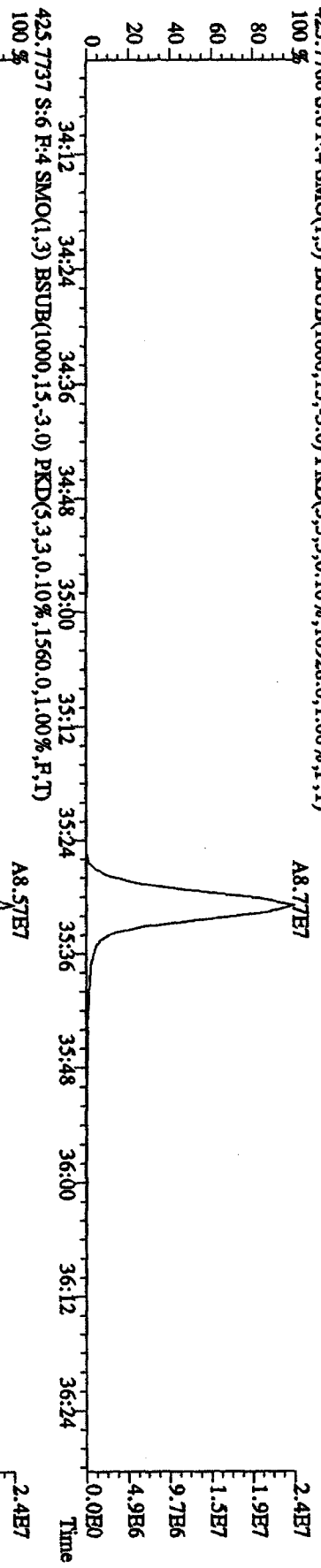
File: 12AP104D5 #1-317 Acq: 12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRES8290A
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,868.0,1.00%,F,T)



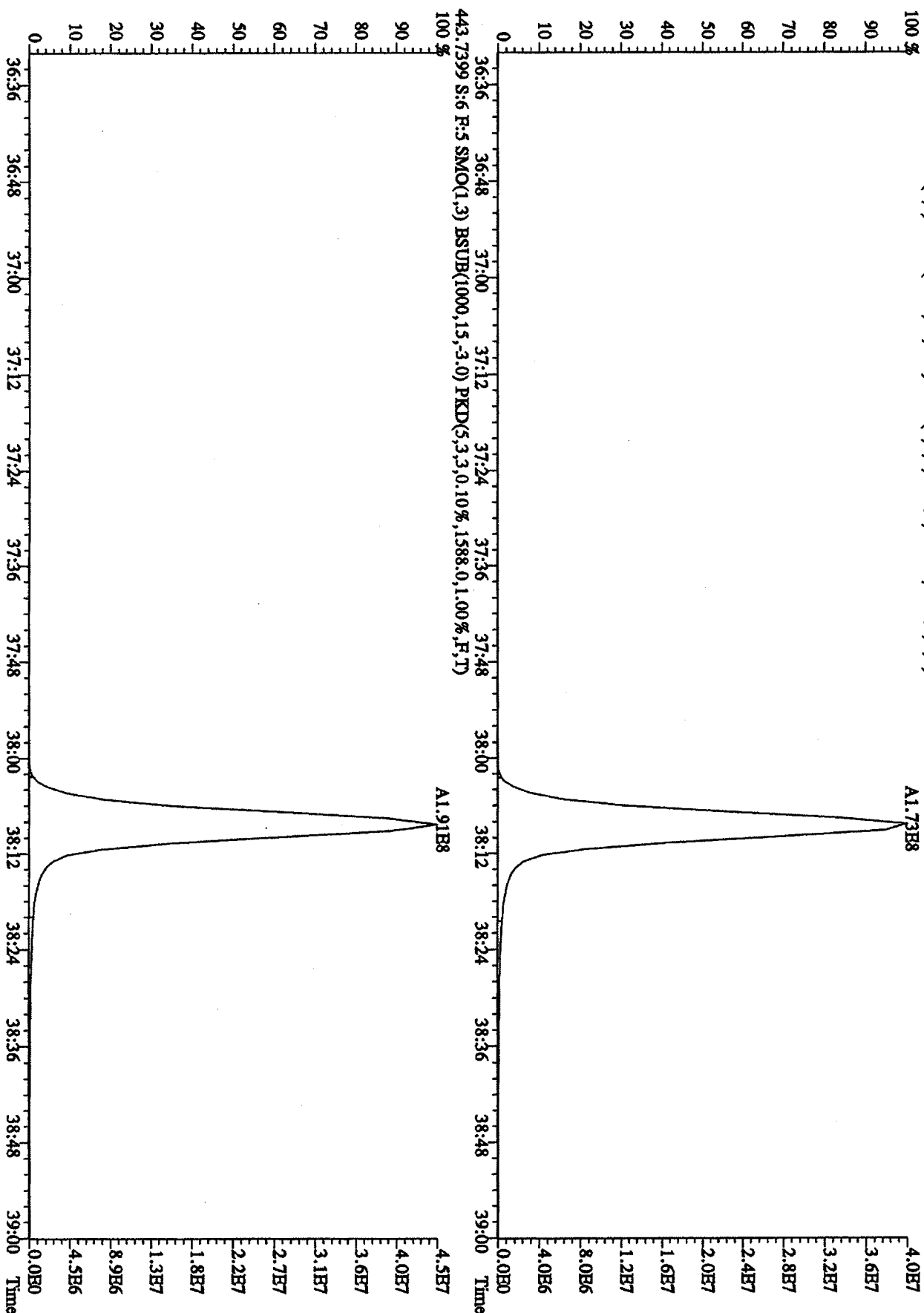
File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC BI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 407.7818 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3,0.10%,27648,0,1.00%,F,T)



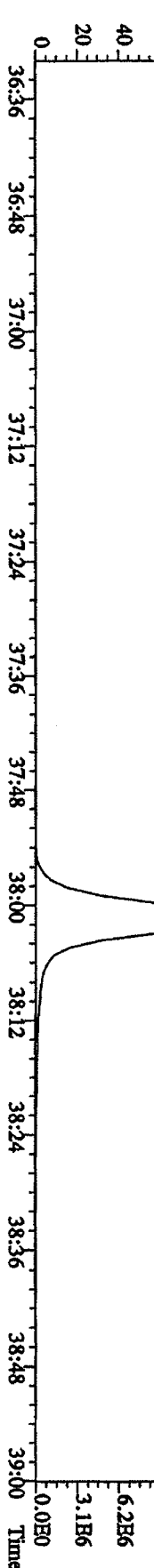
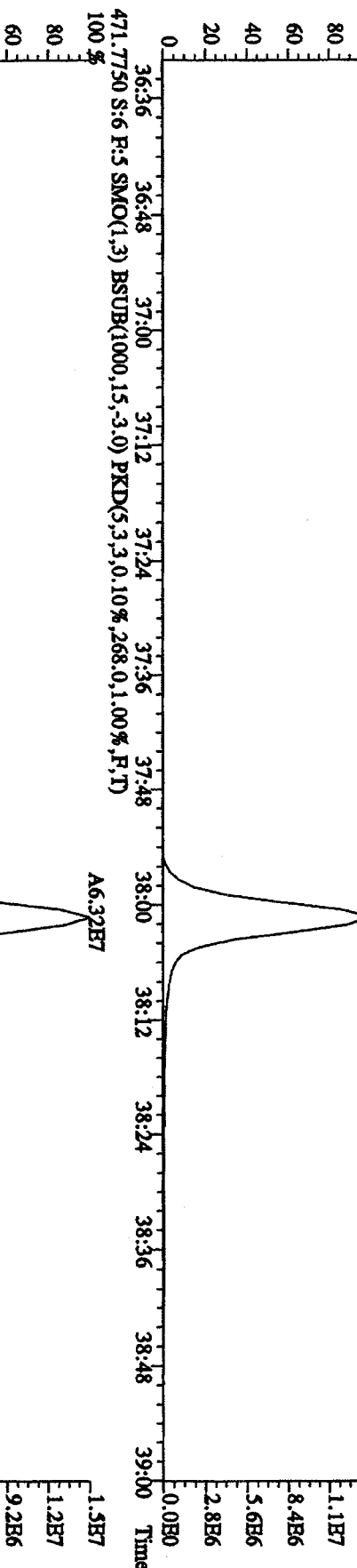
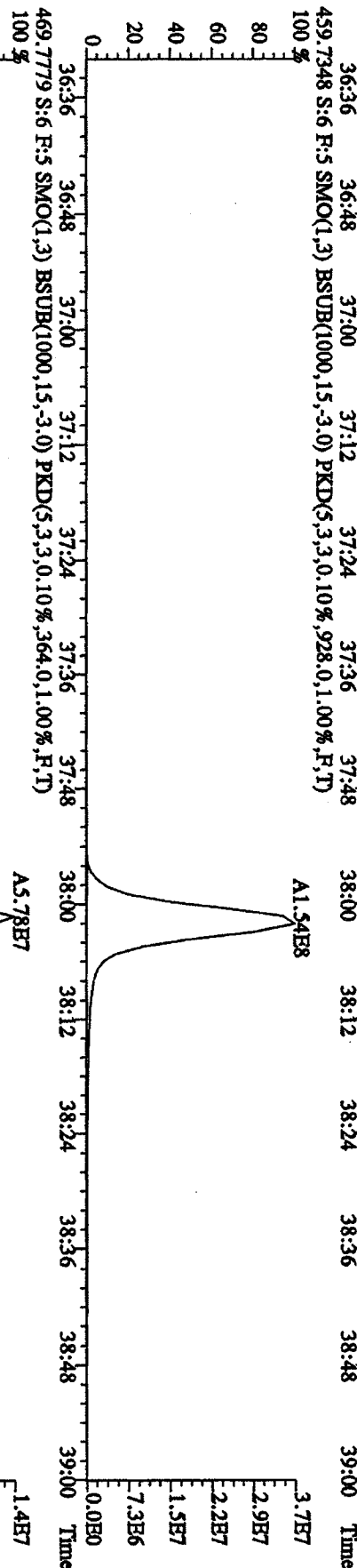
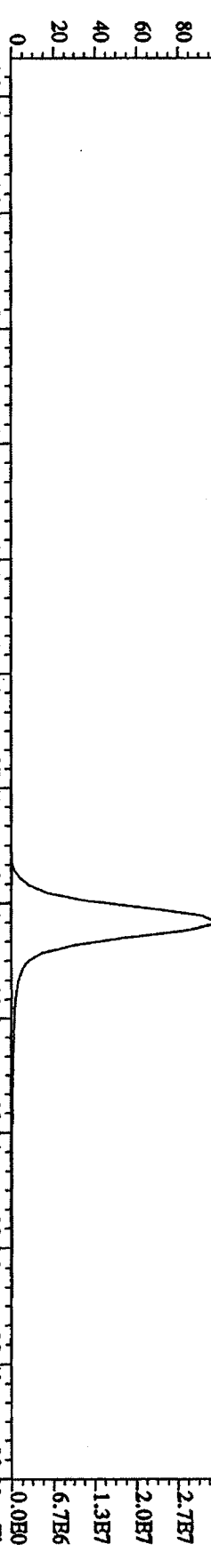
File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRHS8290A
 423.7737 S:6 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,10928.0,1.00%,F,T) 100 %



File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC HF+ Voltage SIR Autospec-Ultimate
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 441.7428 S:6 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1272.0,1.00%,F,T)
 100%

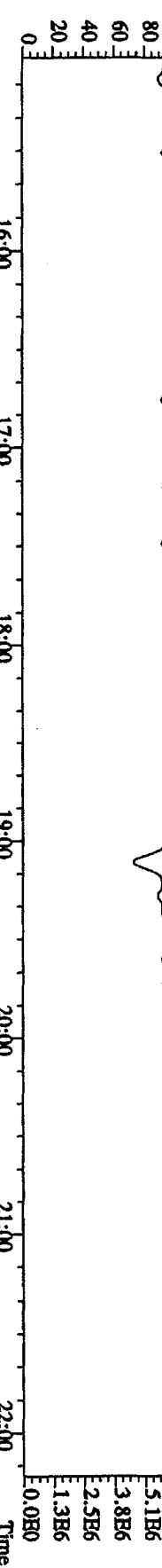


File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC HI+ Voltage SIR Autospec-Ultimate
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A
 457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,0,10%,22244,0,1,00%,F,T)
 100%

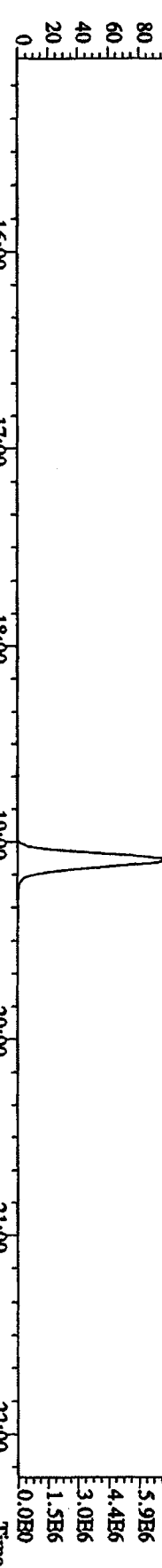


File:12AP104D5 #1-435 Acq:12-APR-2010 12:16:51 GC EI + Voltage SIR Autospec-Ultimate
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

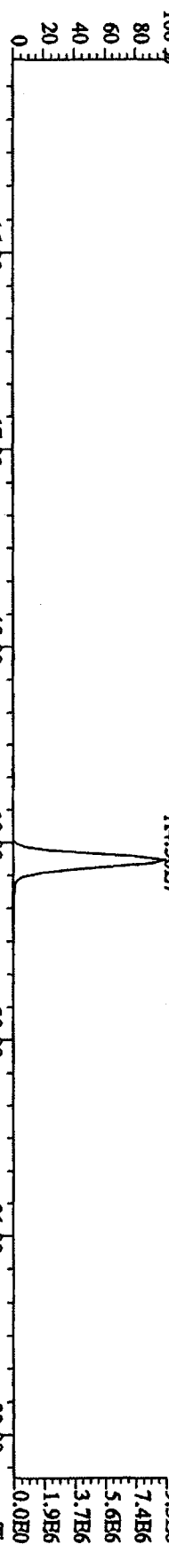
354.9792 S:6 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 15:23 16:02 16:37 17:43 18:09 18:52 19:40 20:11 20:38 21:08 21:36



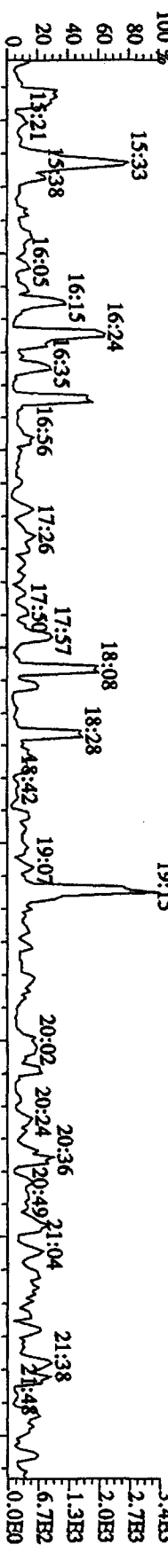
303.9016 S:6 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,0.10%,2052.0,1.00%,F,T)



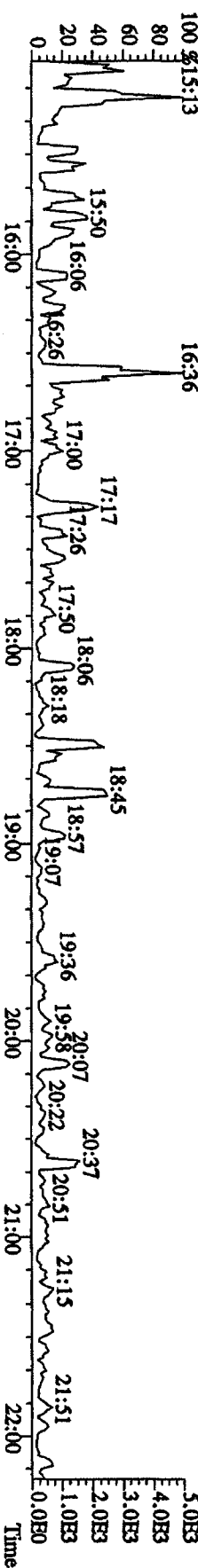
305.8987 S:6 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,0.10%,2832.0,1.00%,F,T)



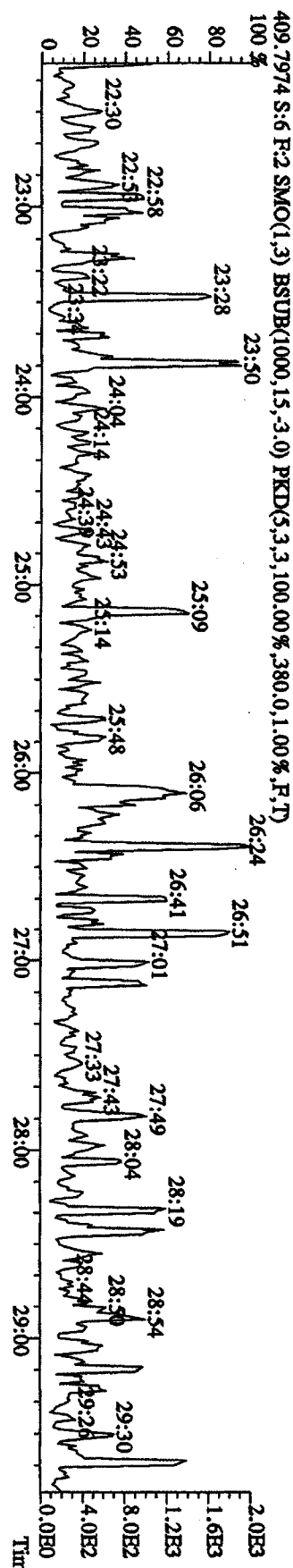
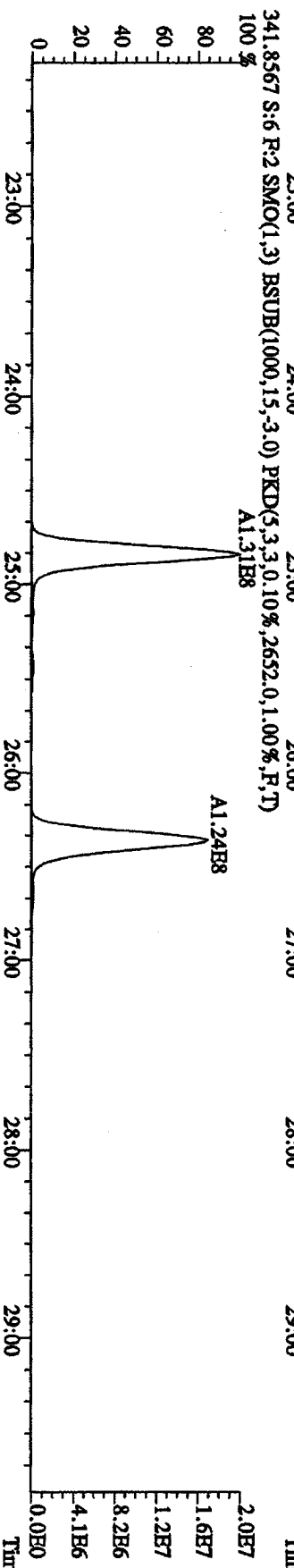
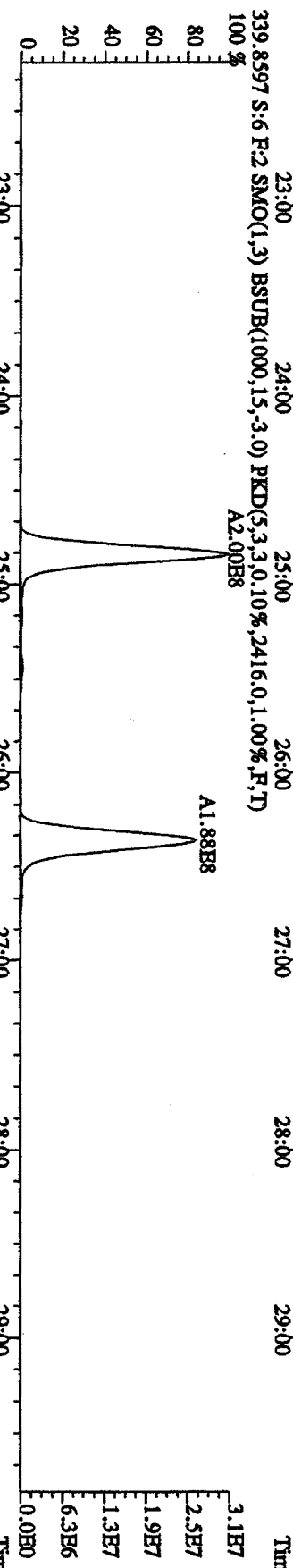
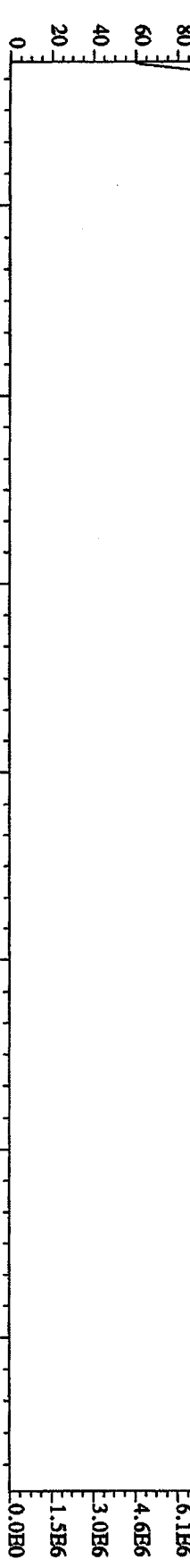
375.8364 S:6 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,100.00%,452.0,1.00%,F,T)



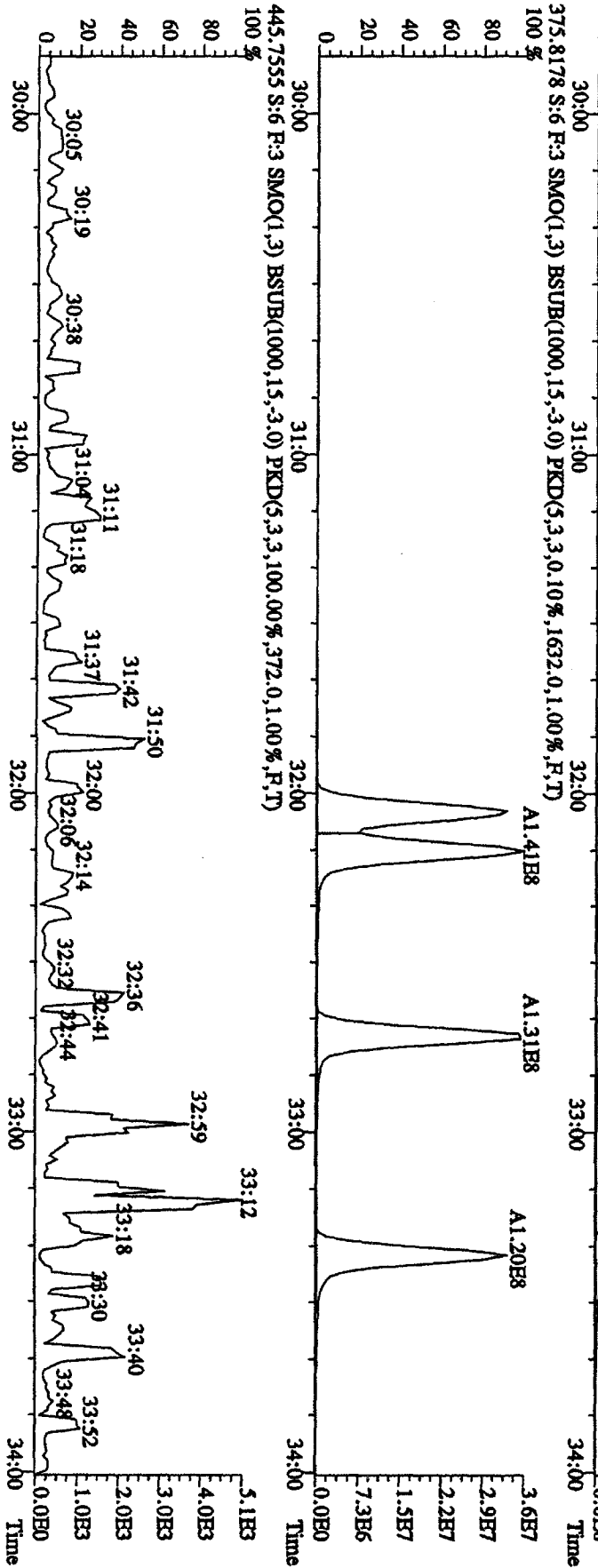
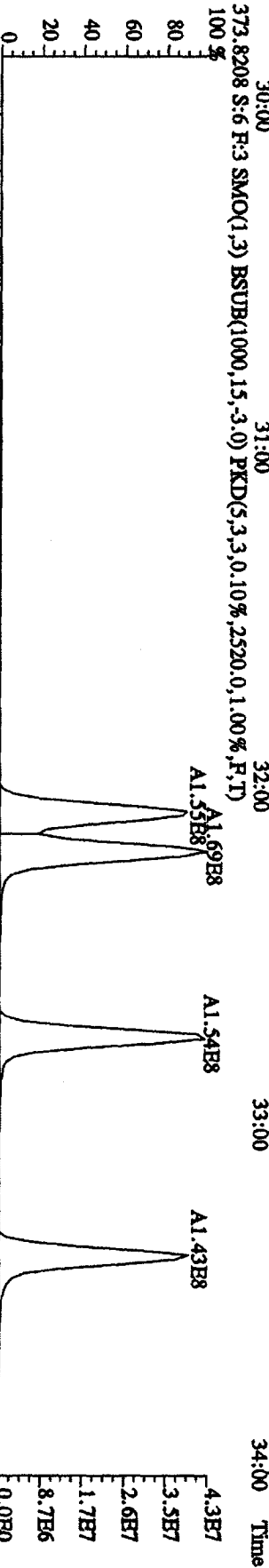
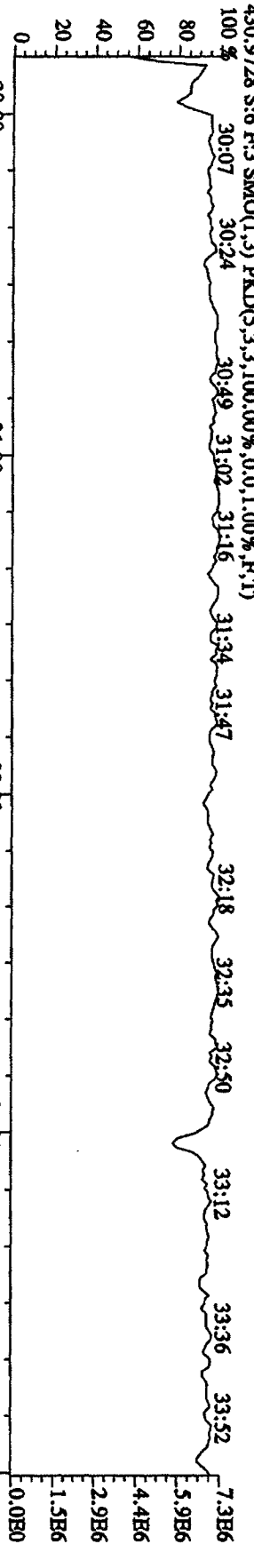
409.7974 S:6 SMO(1,3) BSUB(1000,15,3,0) PKD(5,3,3,100.00%,408.0,1.00%,F,T)



File: 12AP104D5 #1-604 Acq: 12-APR-2010 12:16:51 GC HF+ Voltage SIR Autospec-UltimaE
 Sample#6 Text: ST0412D :CS-4 09DXN426 Exp: DIOXINRES8290A
 354.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 22:28 23:03 23:30 23:56 24:39 25:27 25:57 26:30 27:00 27:49 28:16 28:59 29:30

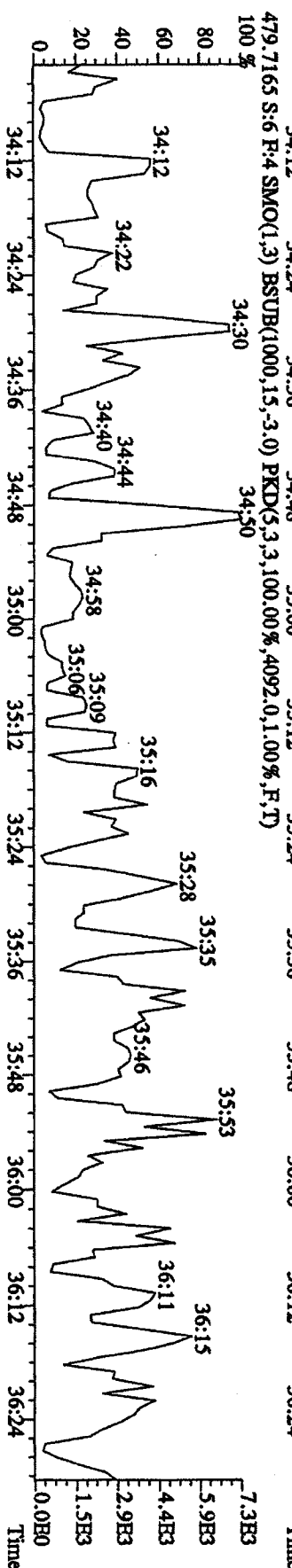
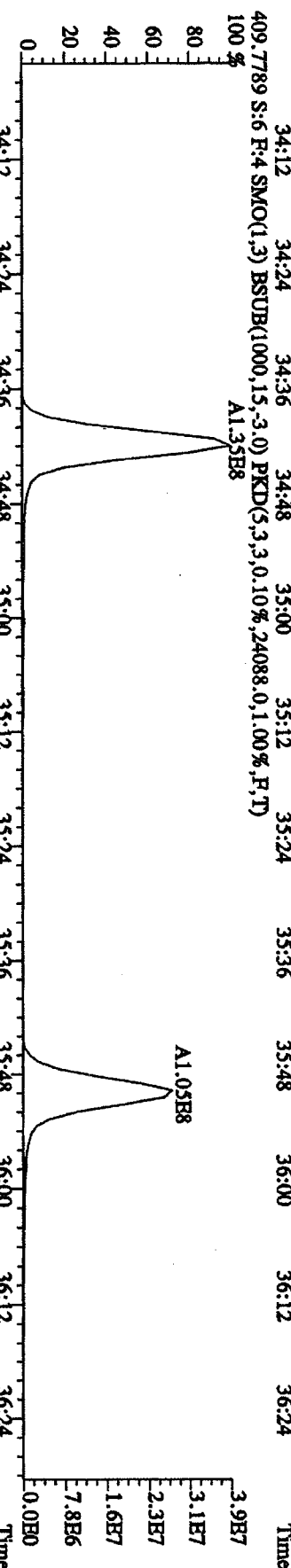
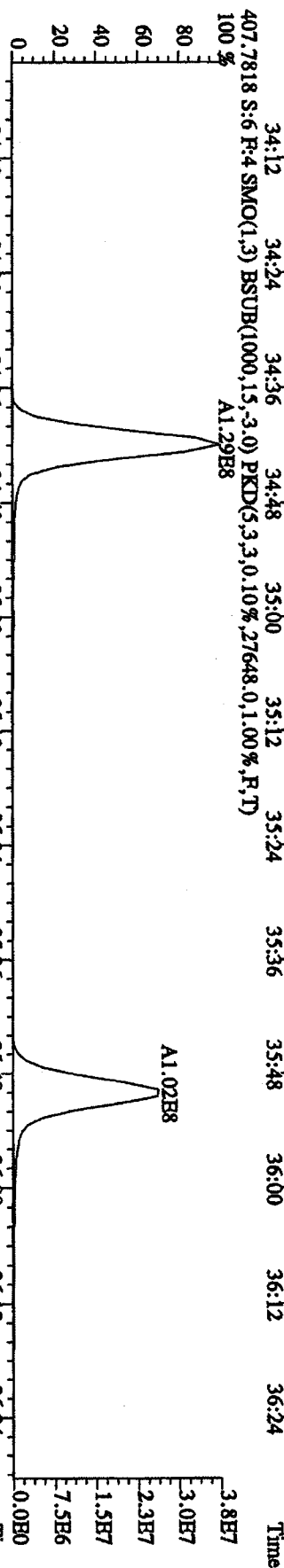
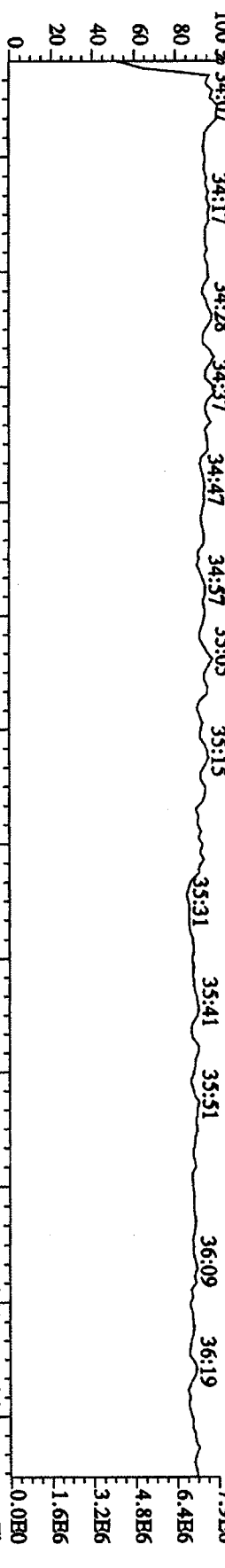


File:12AD104D5 #1-317 Acq:12-APR-2010 12:16:51 GC HI+ Voltage SIR Autospcc-UltimaB
 Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A

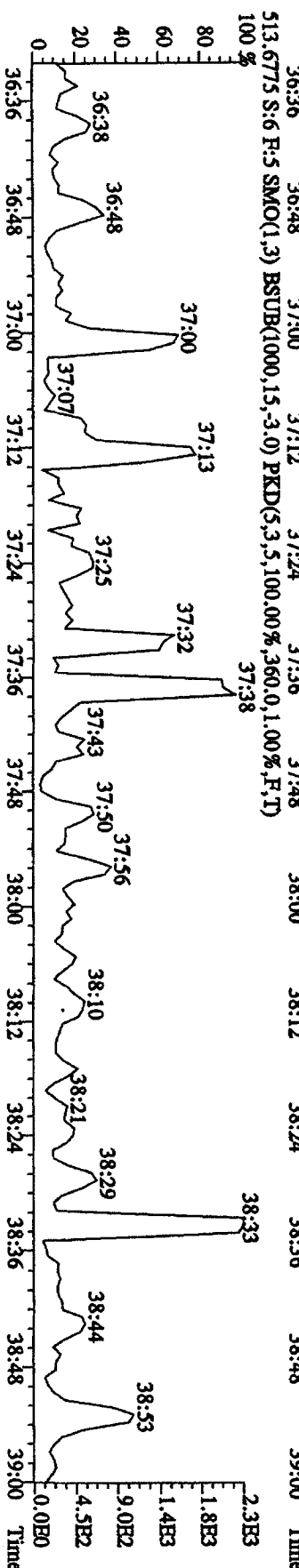
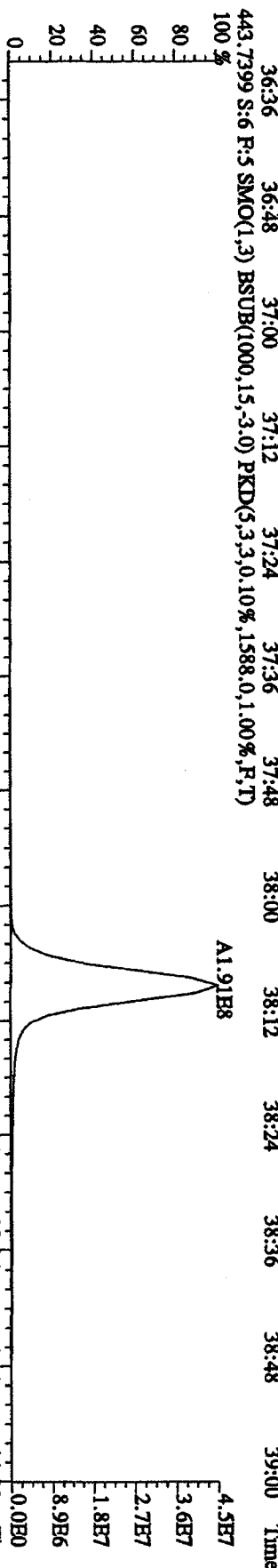
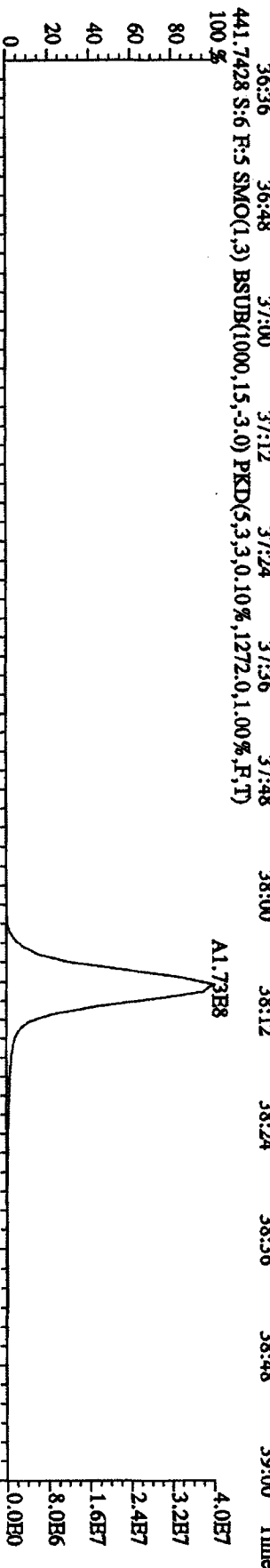
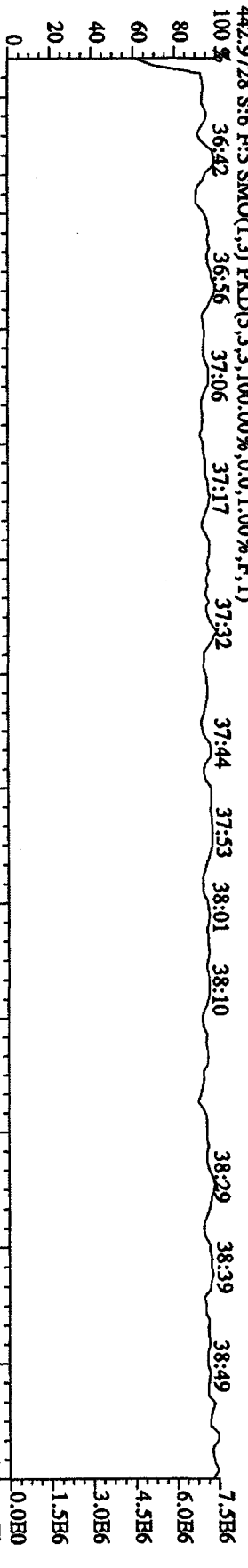


File:12AP104D5 #1-198 Acq:12-APR-2010 12:16:51 GC EI+ Voltage 518V Autospec-UltimaB

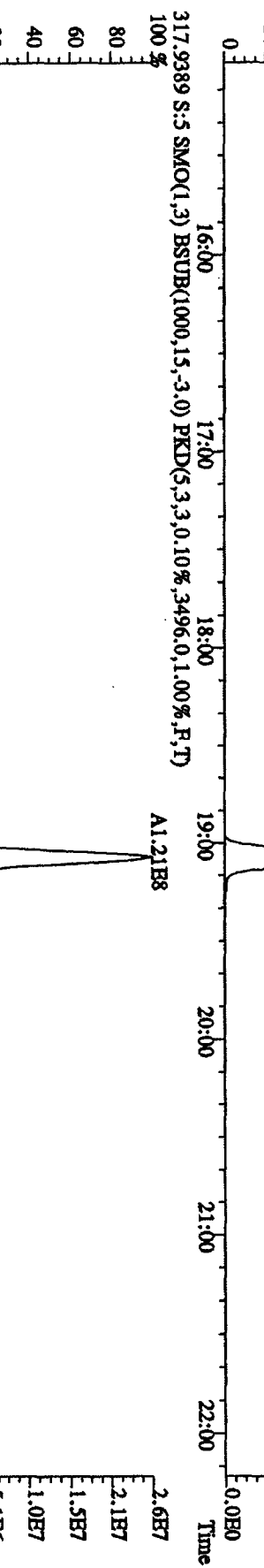
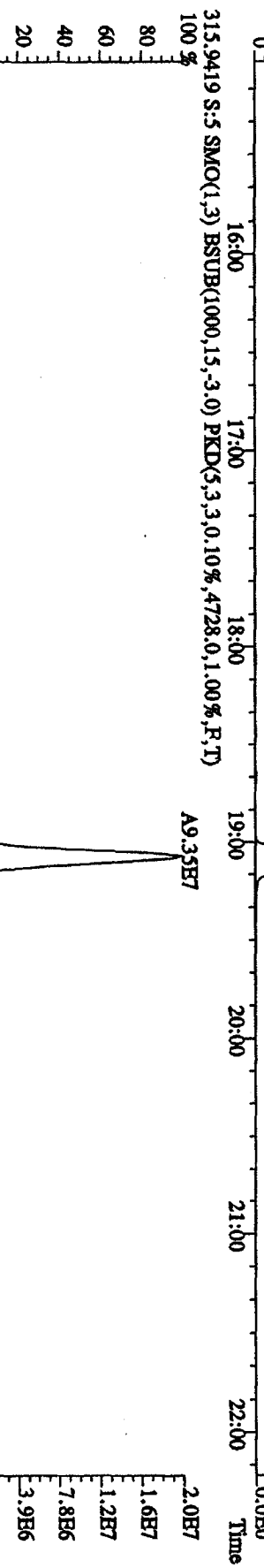
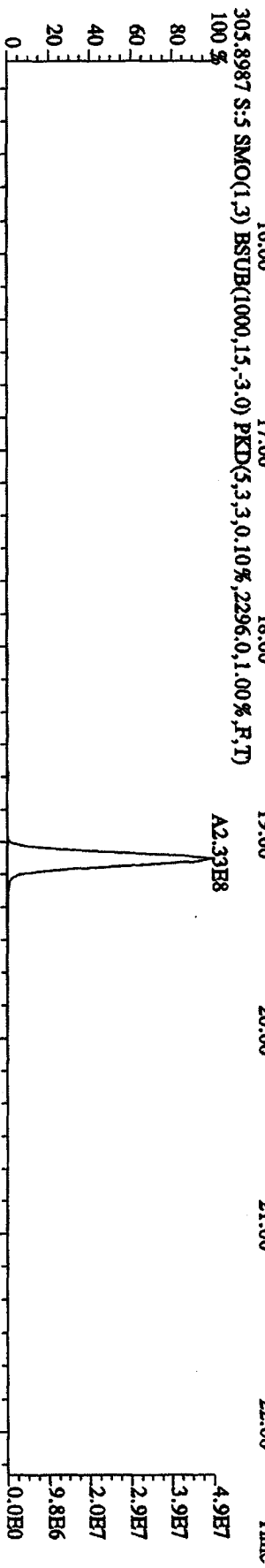
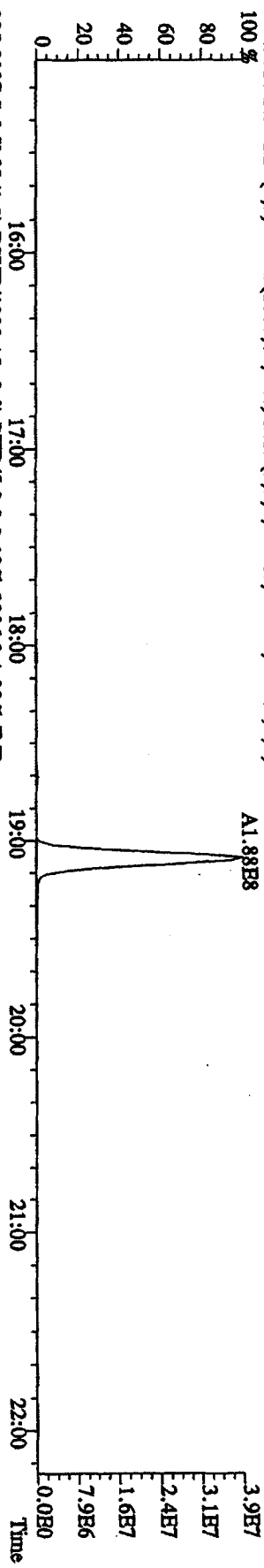
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



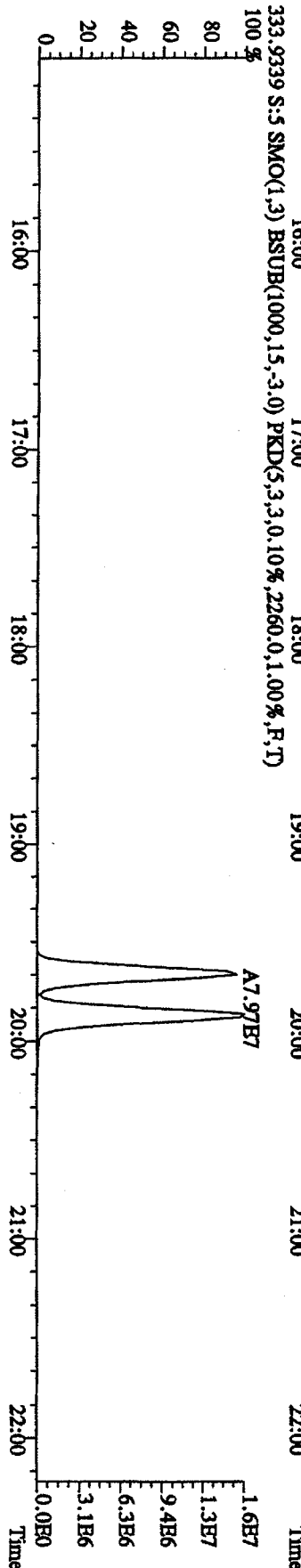
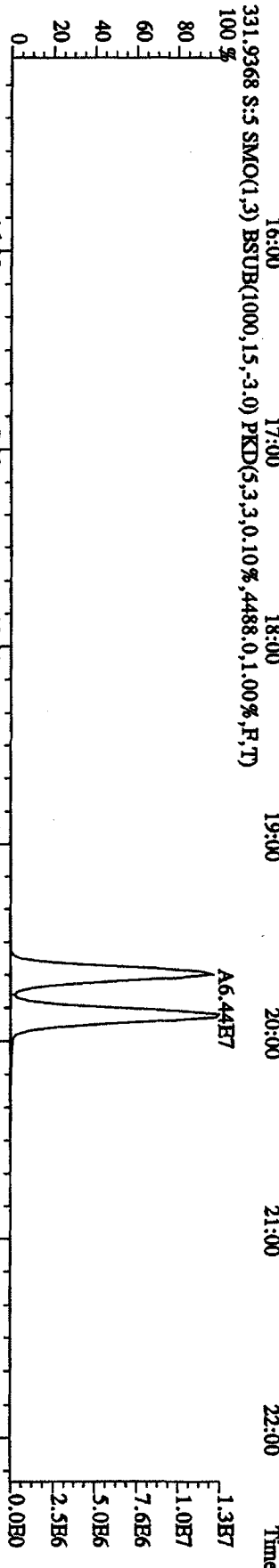
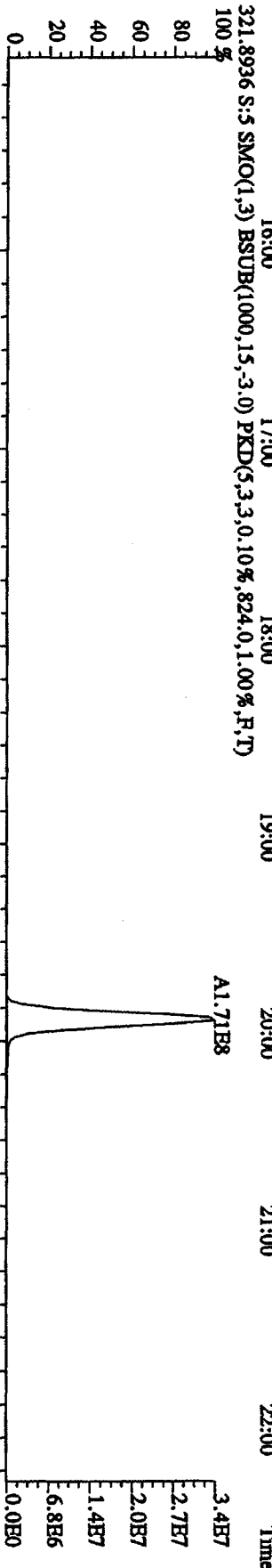
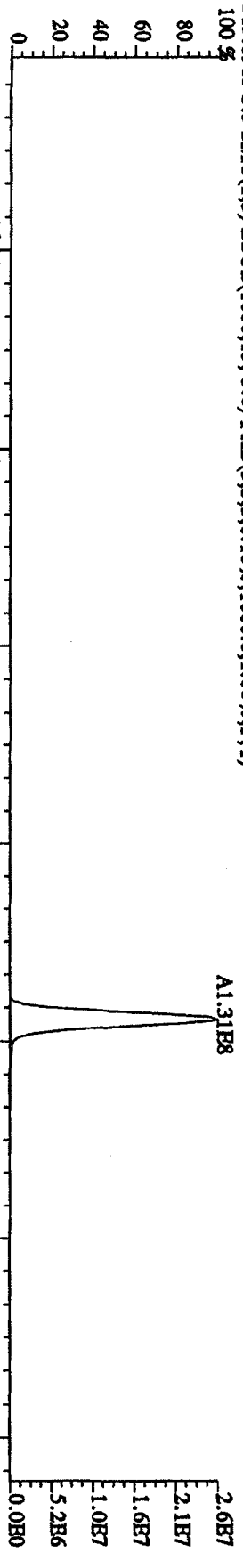
File:12AP104D5 #1-190 Acq:12-APR-2010 12:16:51 GC HI+ Voltage SIR Autospec-UltimaB
Sample#6 Text:ST0412D :CS-4 09DXN426 Exp:DIOXINRES8290A



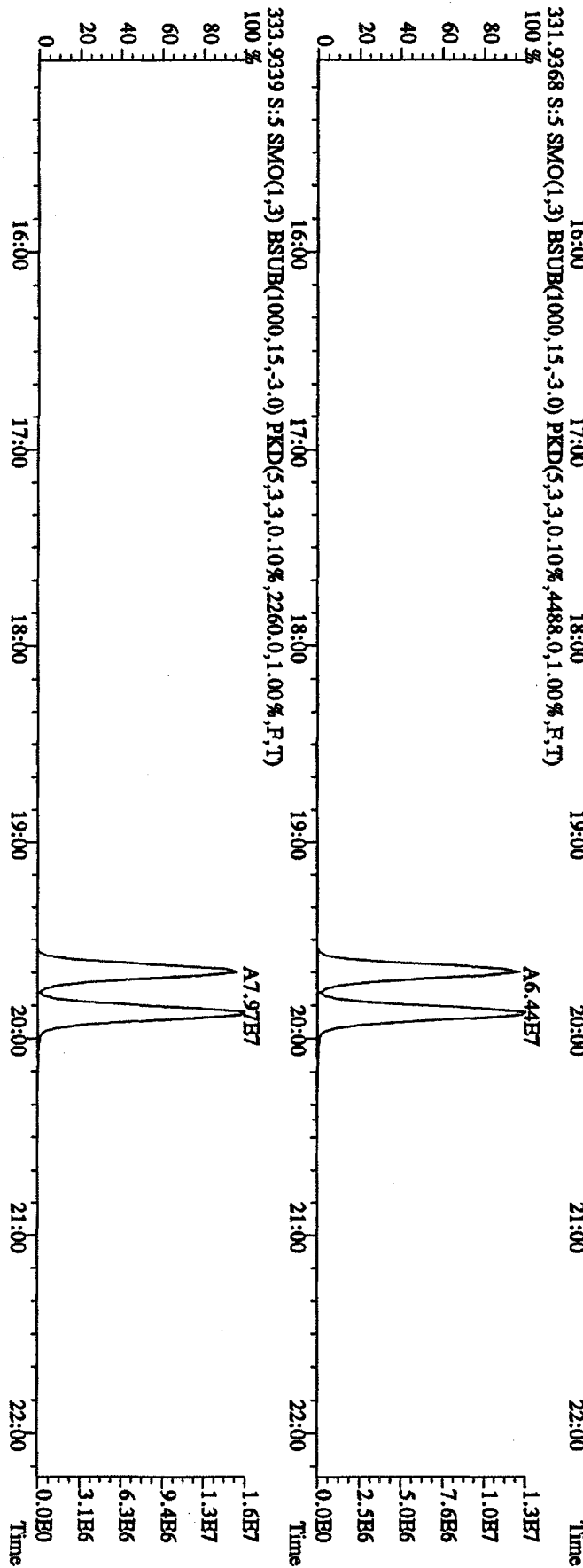
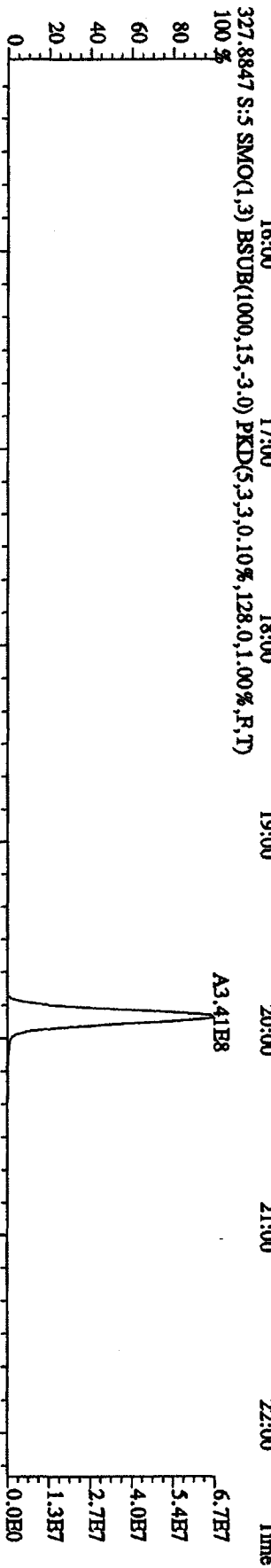
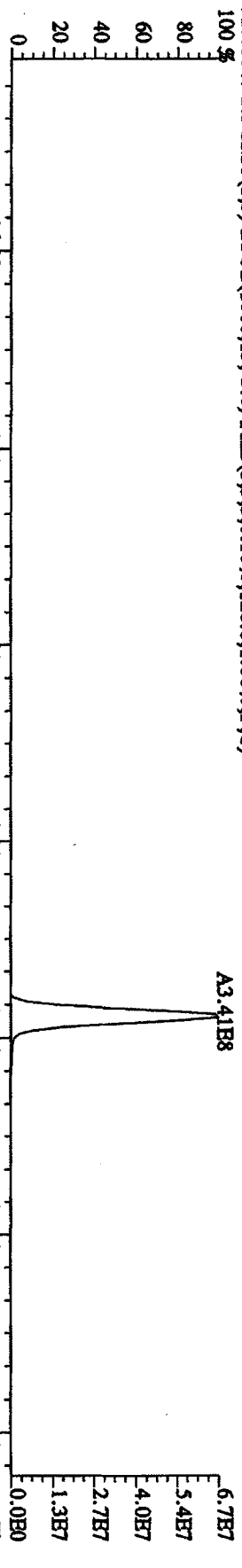
File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC HI + Voltage SIR Autospec-Ultimate
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2960,0,1,00%,F,T)



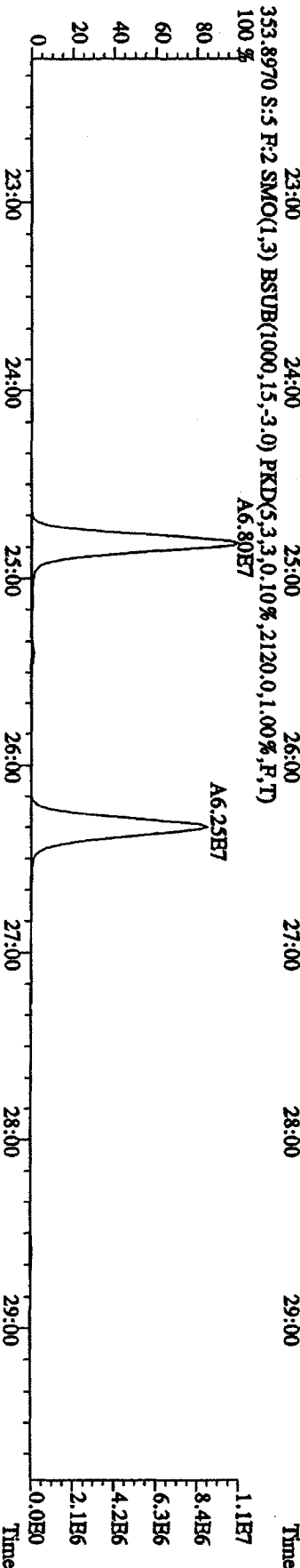
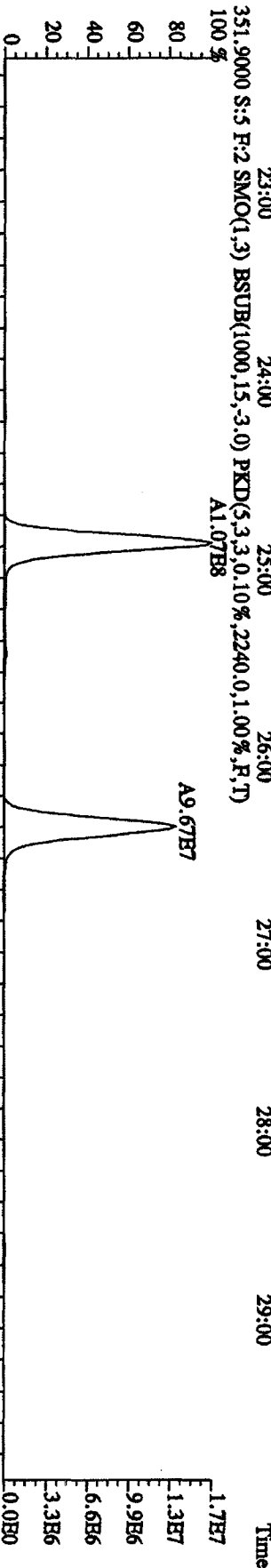
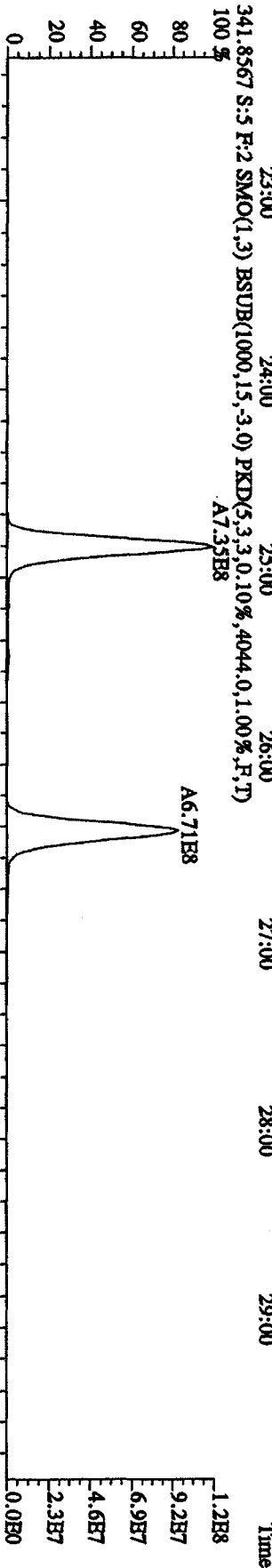
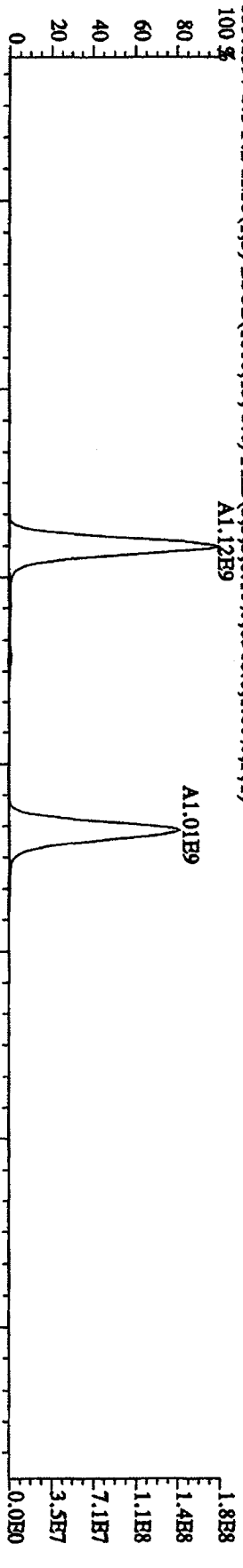
File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC EI+ Voltage S1R Autospec-DitamaE
 Sample#5 Text:STD412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1000,0,1.00%,F,T)



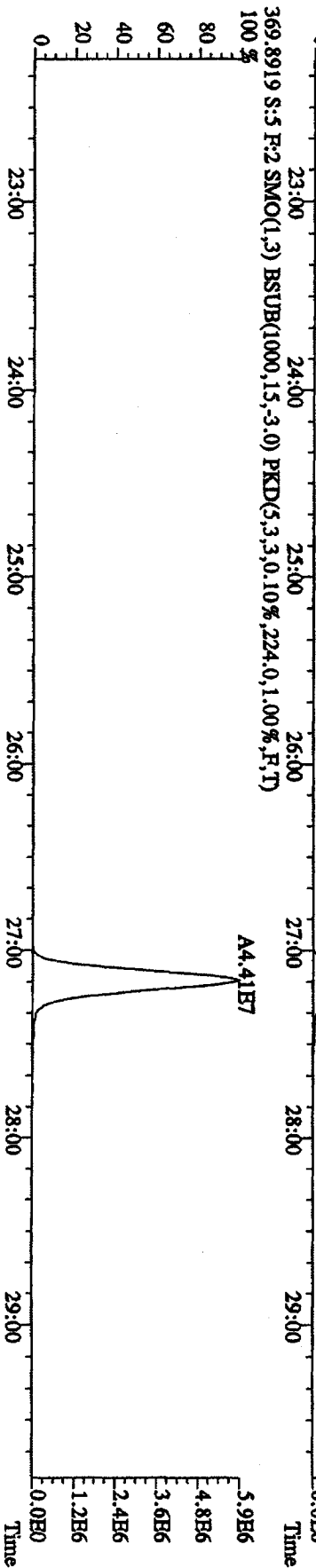
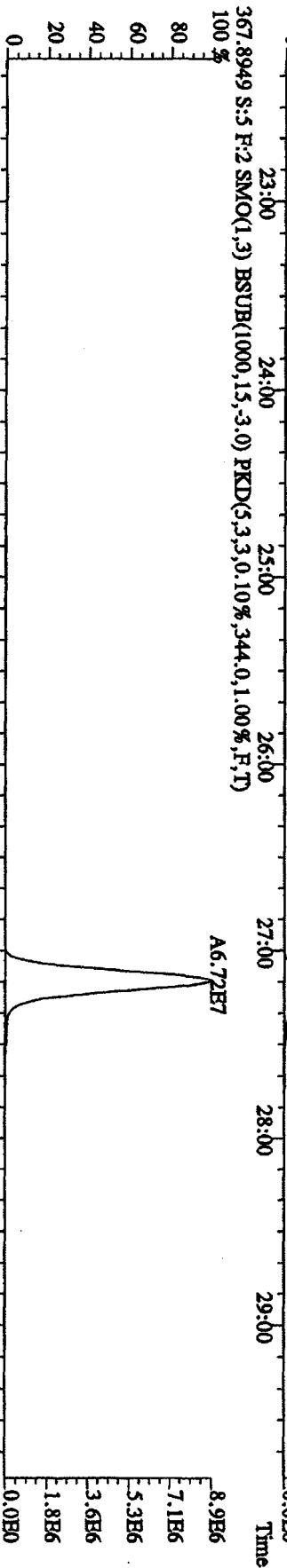
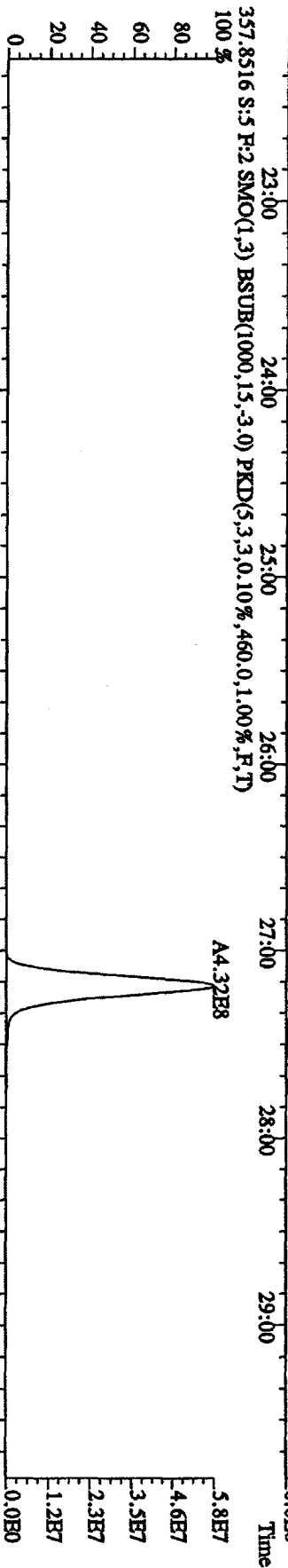
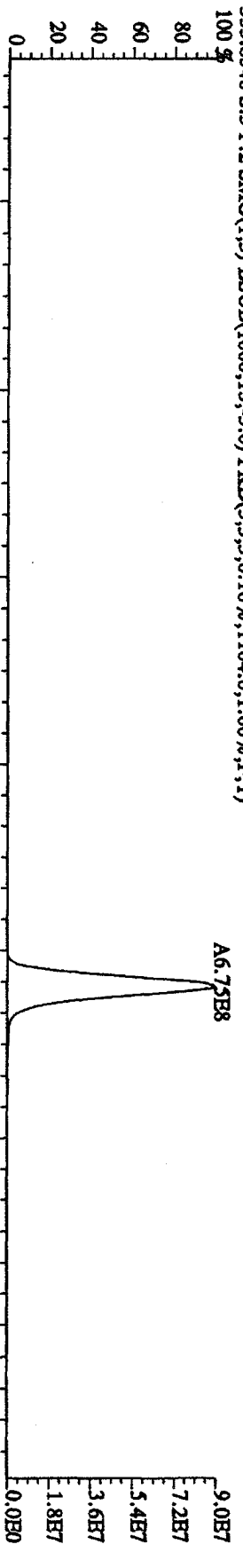
File: 12AP104D5 #1-435 Acq: 12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text: ST0412C :CS-5 09DXN456 Exp: DIOXINRES8290A
 327.8847 S:5 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,128.0,1.00%,F,T)



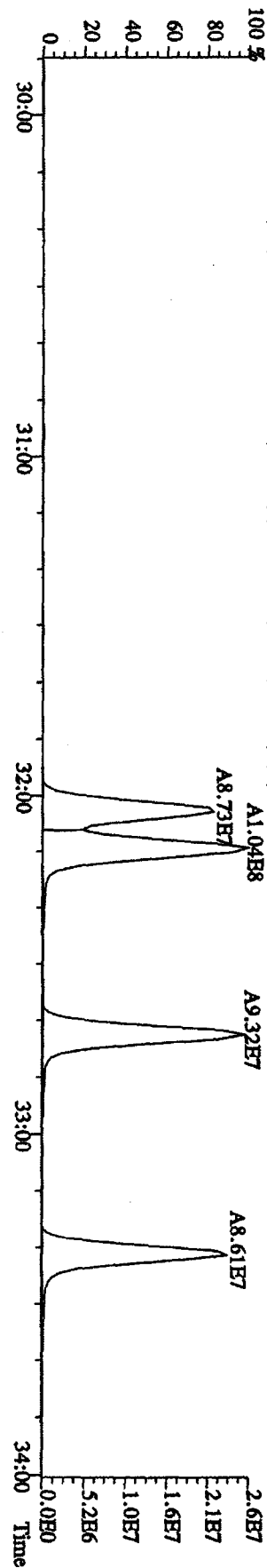
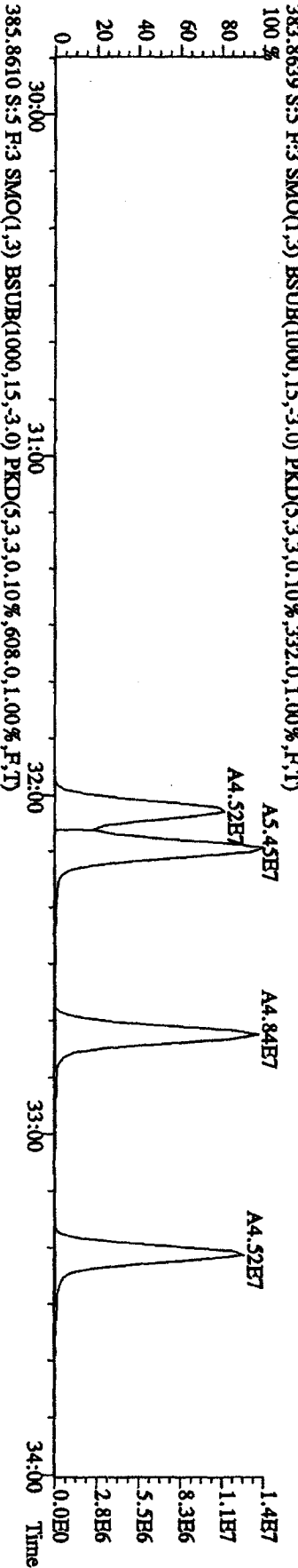
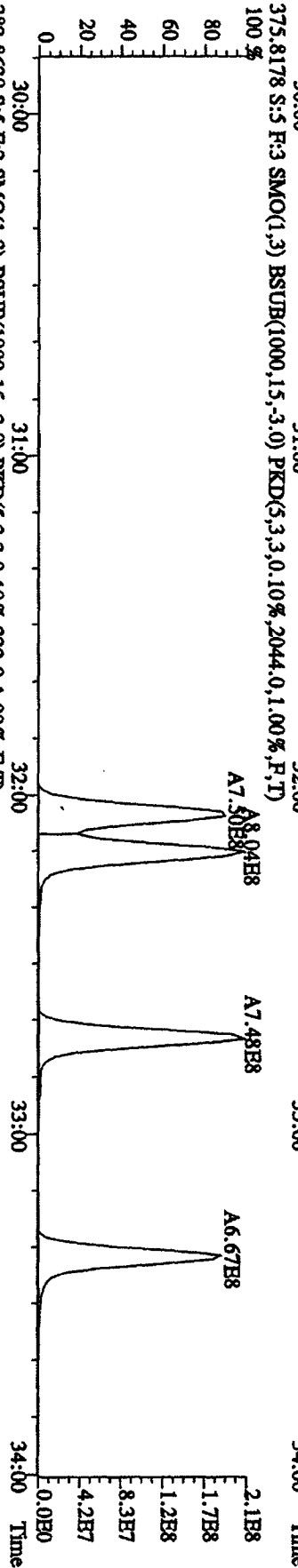
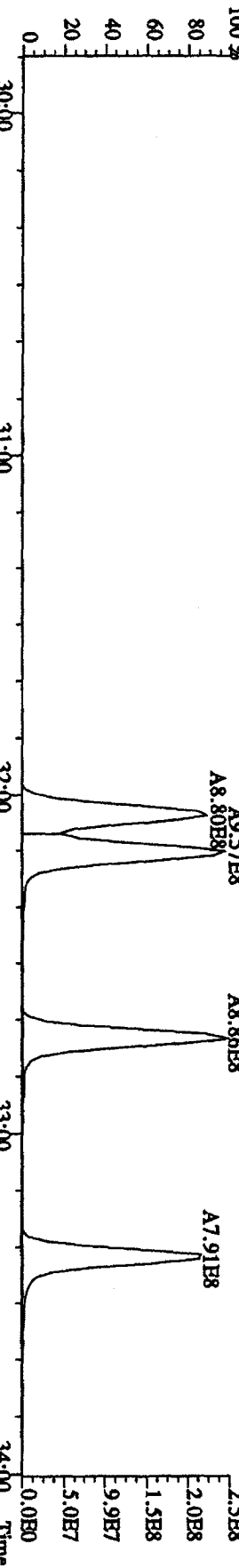
File: 12AP104D5 #1-604 Acq: 12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text: ST0412C : CS-5 09DXN456 Exp: DIOXINRES8290A
 339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8368,0,1,00%,F,T)
 100%



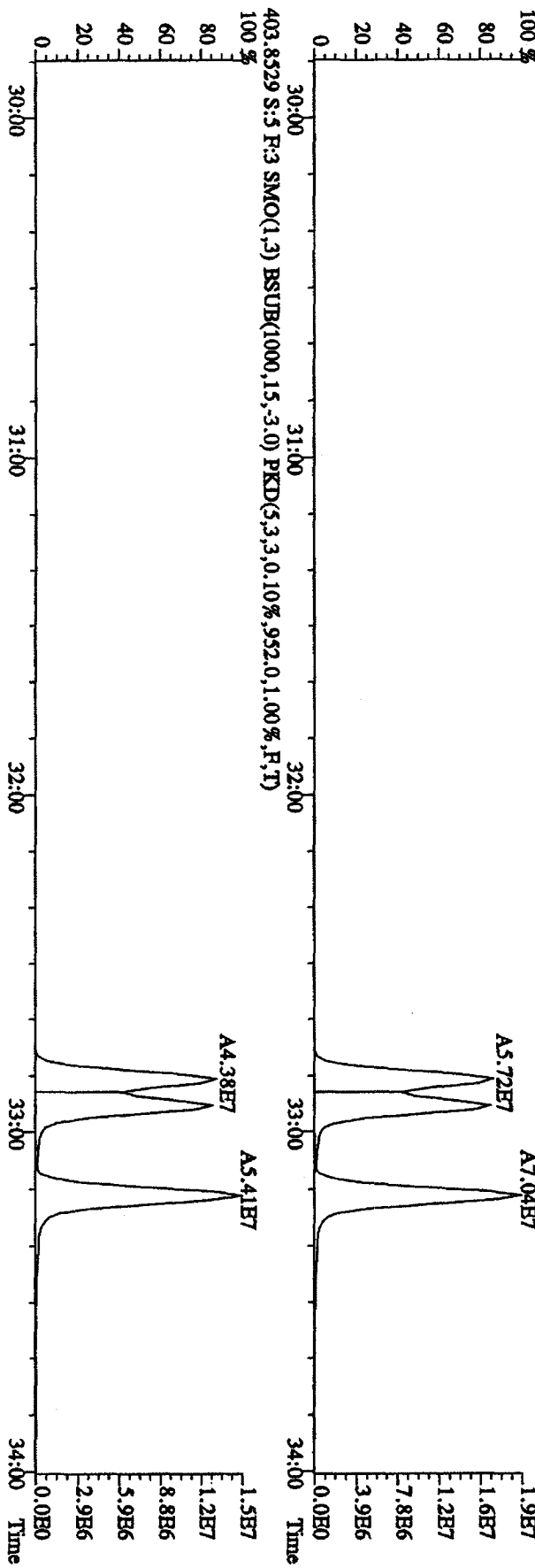
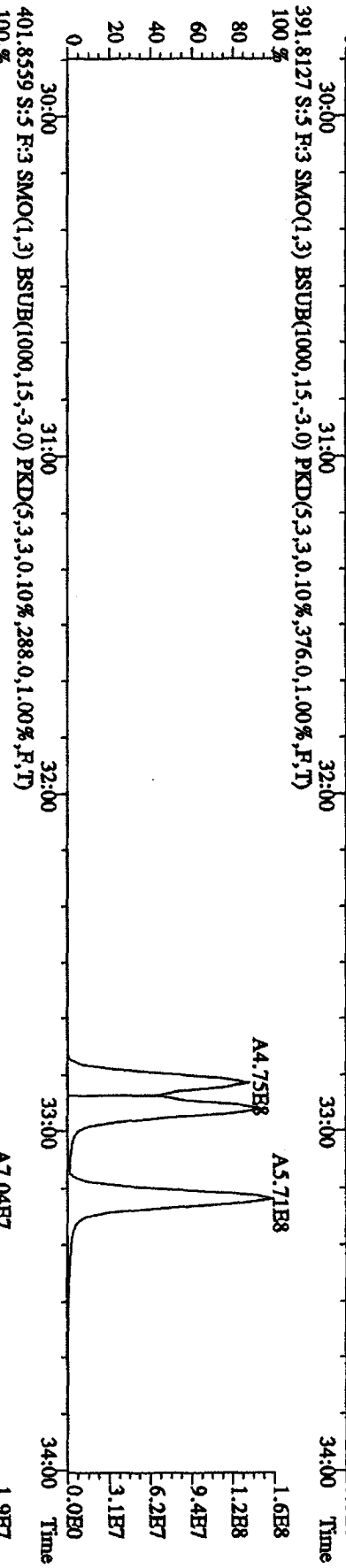
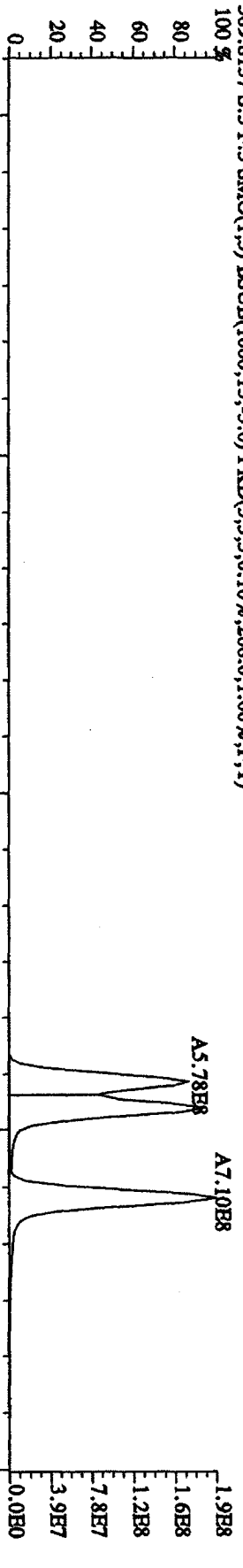
File:12AP104D5 #1-604 Acq:12-APR-2010 11:32:49 GC BI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1104.0,1.00%,F,T)



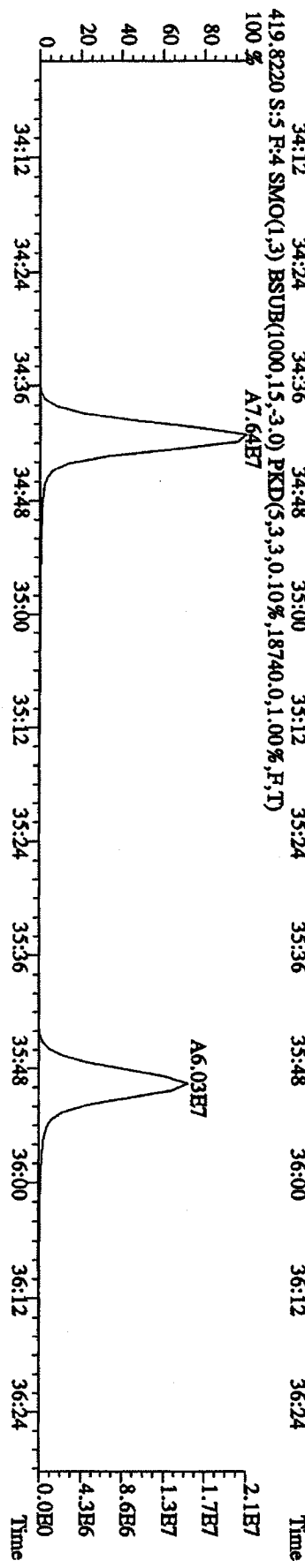
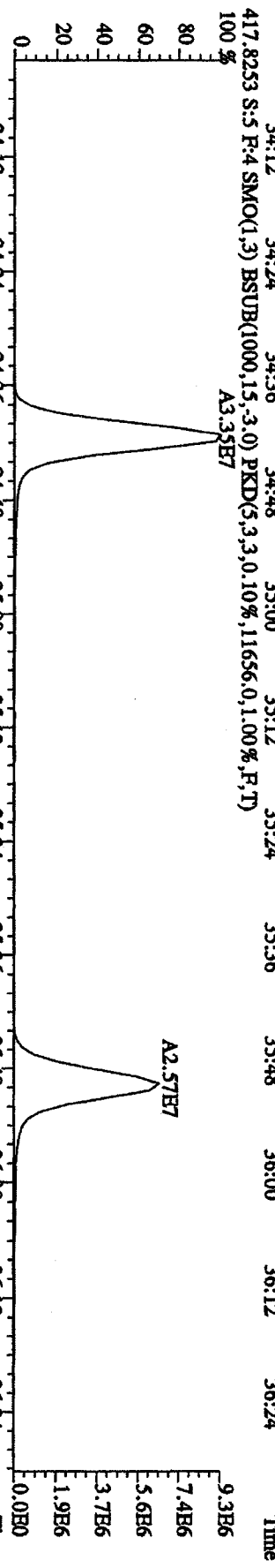
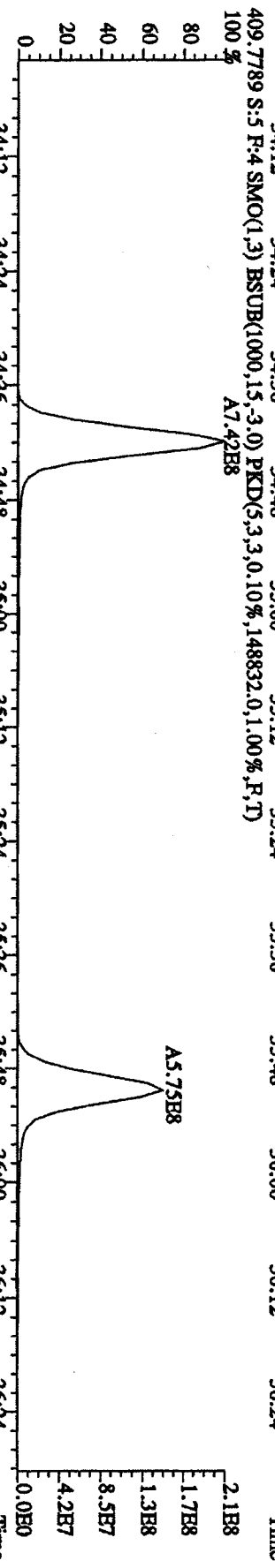
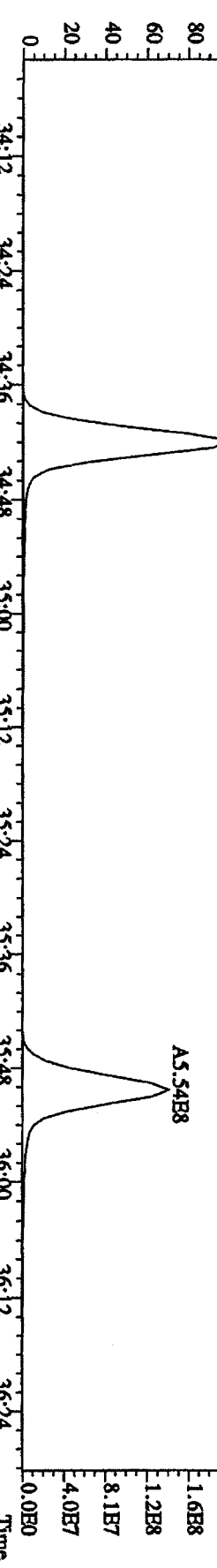
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-Utimate
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,3020,0,1.00%,F,T)



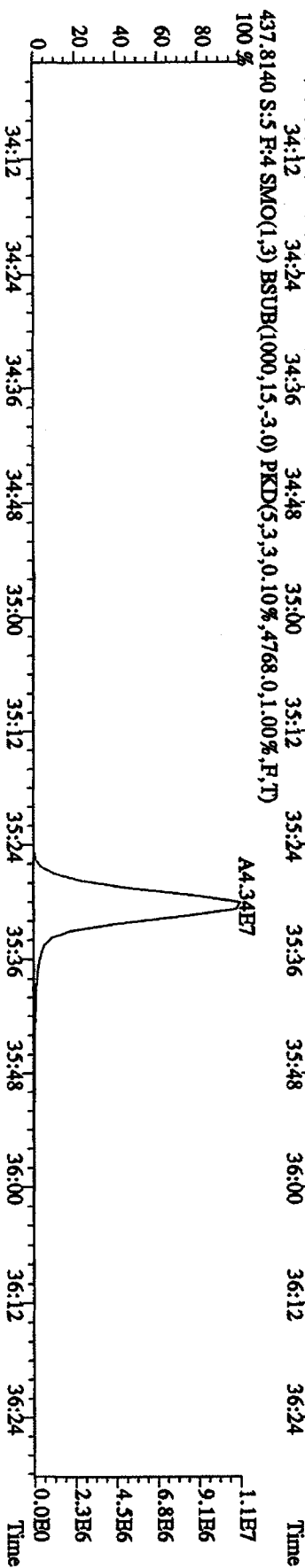
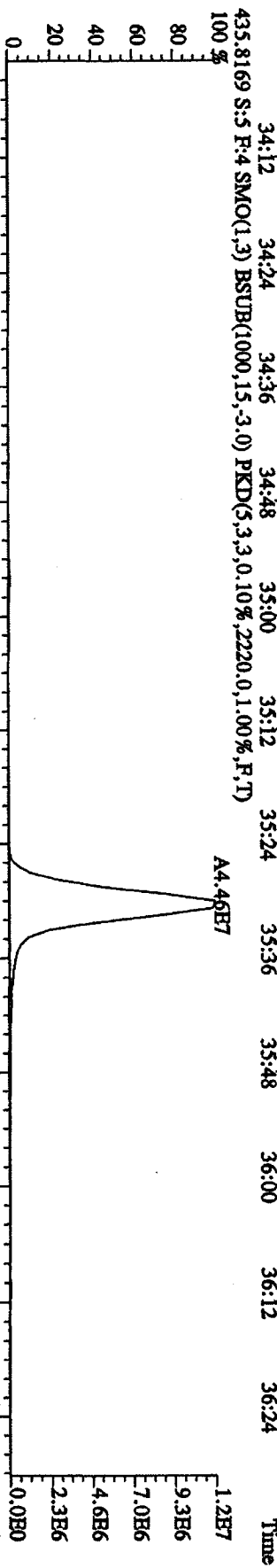
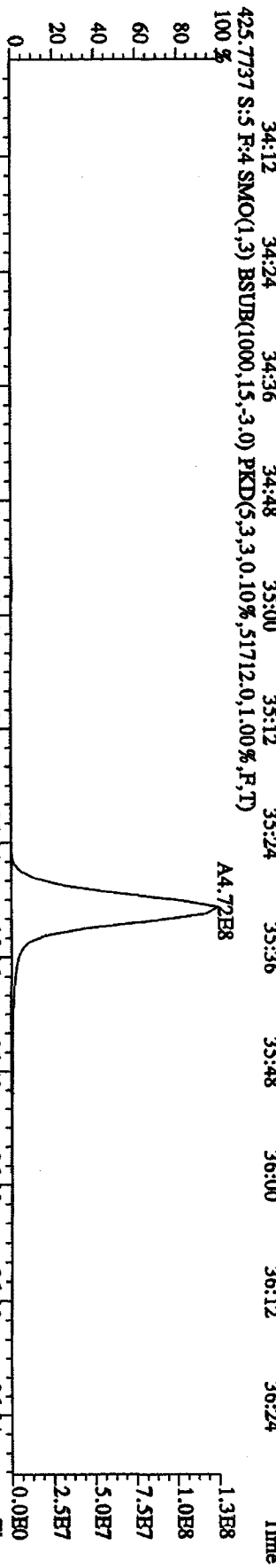
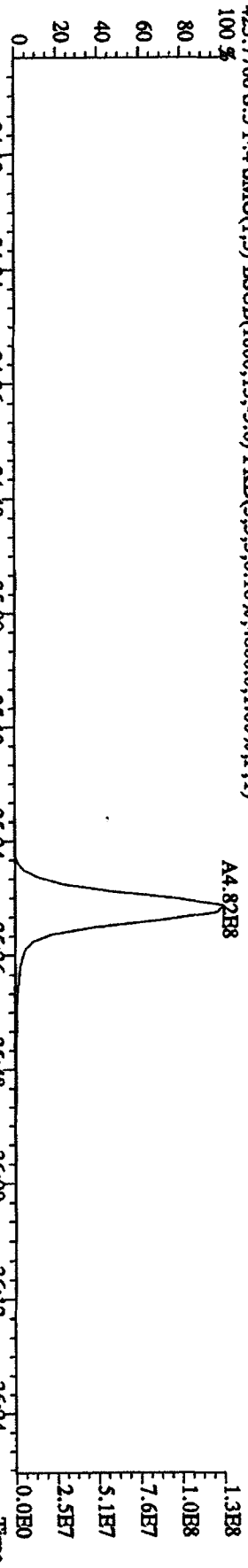
File:12AP104D5 #1-317 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:ST0412C :CS-5 09DXN456 Bxp:DIOXINRES8290A
 389.8157 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,208.0,1.00%,F,T)



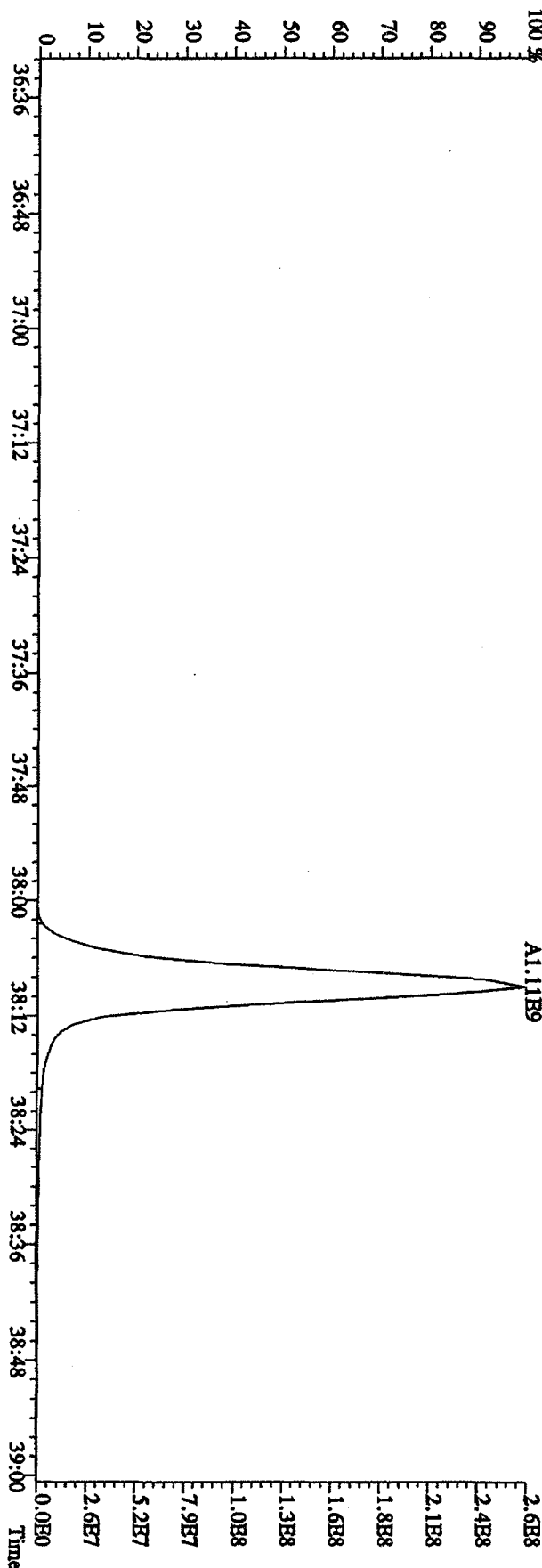
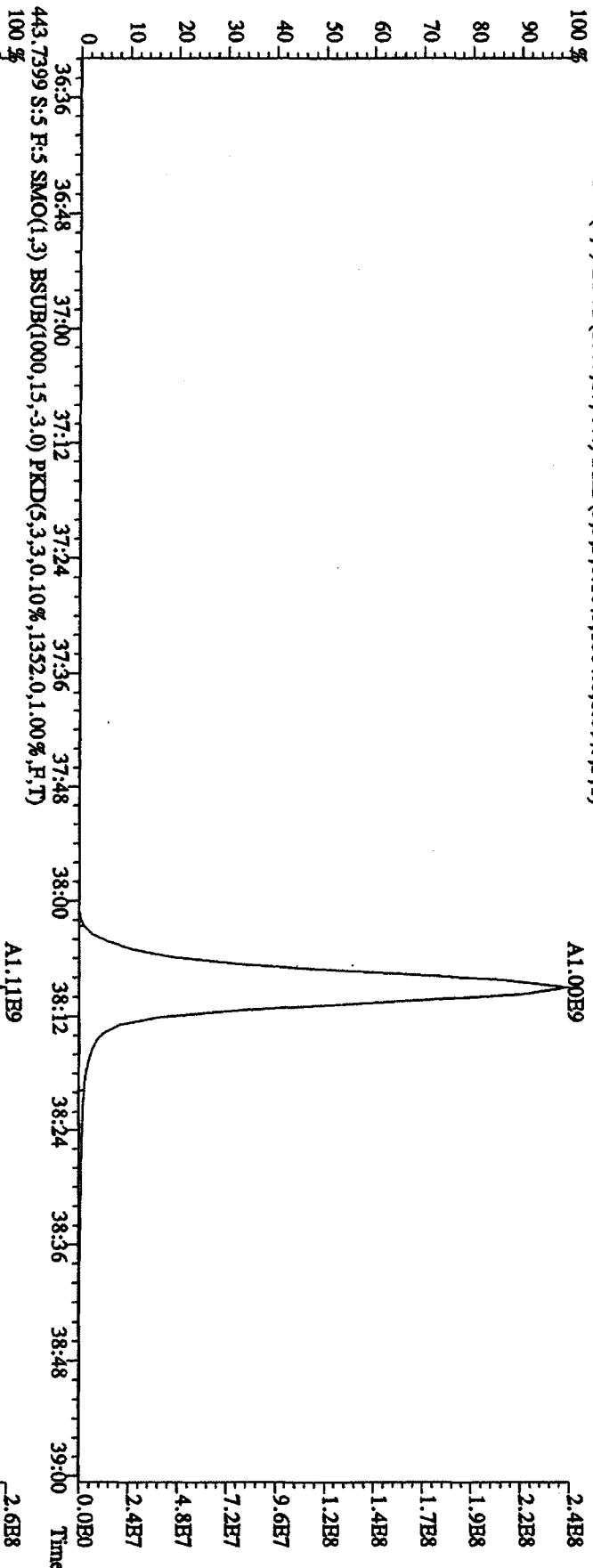
File:12AD104D5 #1-198 Acq:12-APR-2010 11:32:49 GC HI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,81496.0,1.00%,F,T)
 100%



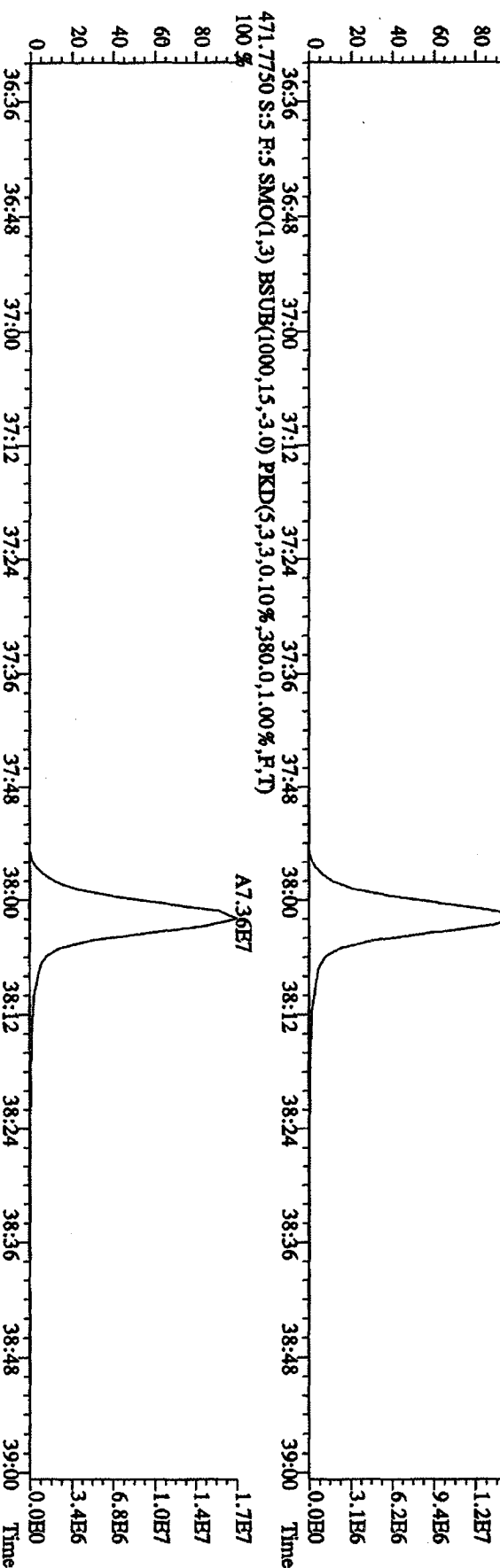
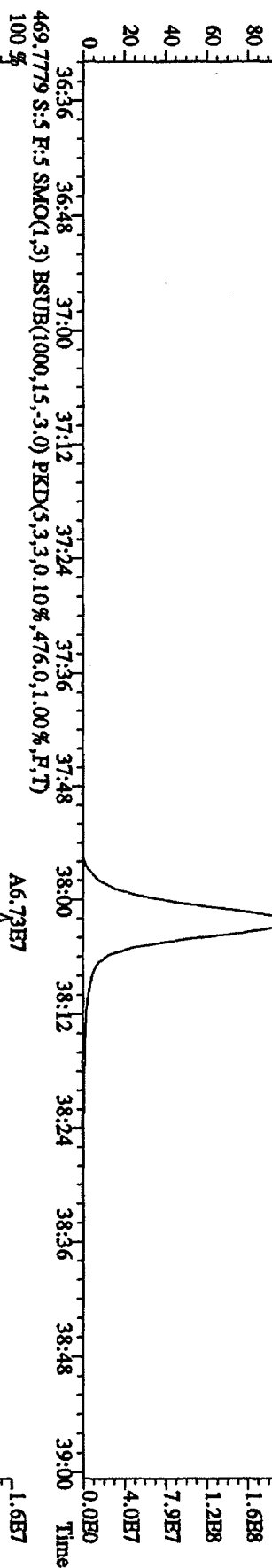
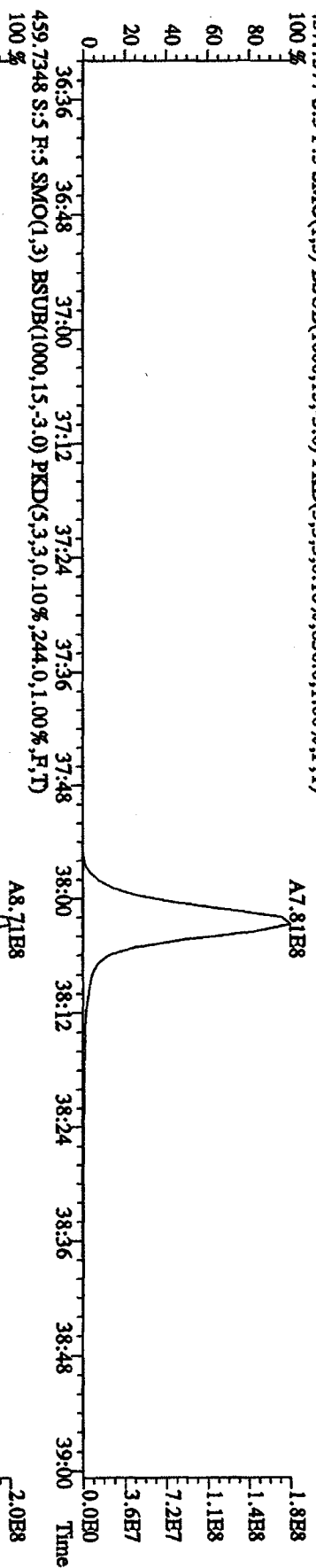
File:12AP104D5 #1-198 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 423.7766 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4800,0,1,00%,F,T)



File: 12AP104D5 #1-191 Acq: 12-APR-2010 11:32:49 GC BI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text: ST0412C : CS-5 09DXN456 Exp: DIOXINRES8290A
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1064,0,1,00%,F,T)

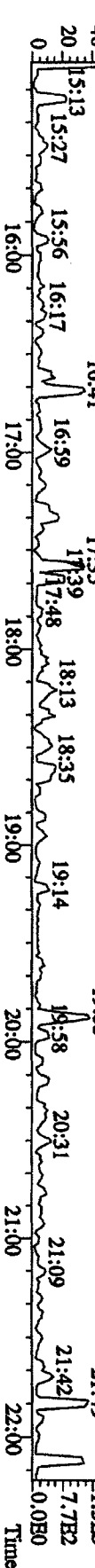
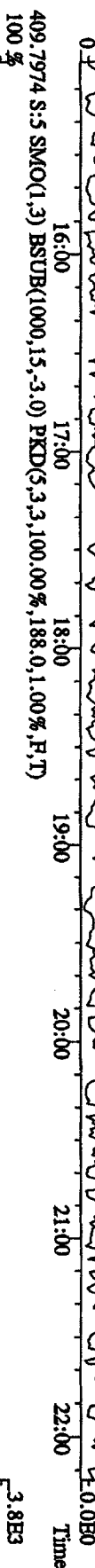
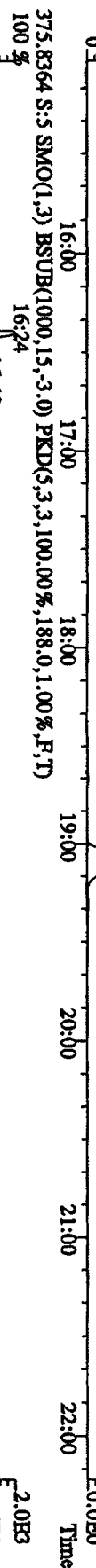
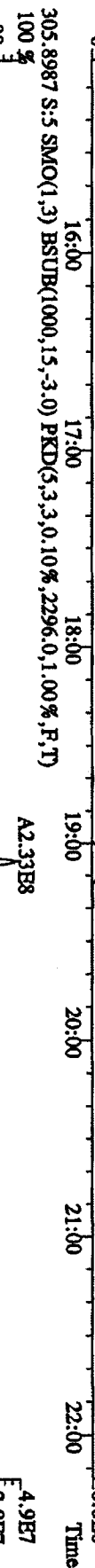
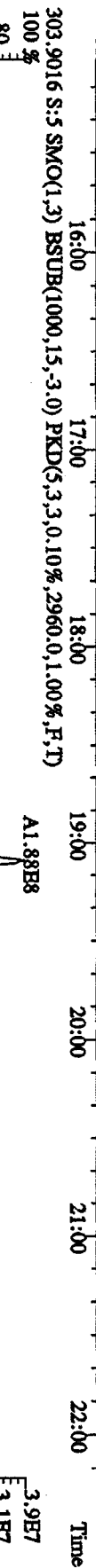


File:12AP104D5 #1-191 Acq:12-APR-2010 11:32:49 GC HI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A
 457.7377 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,836.0,1.00%,F,T)



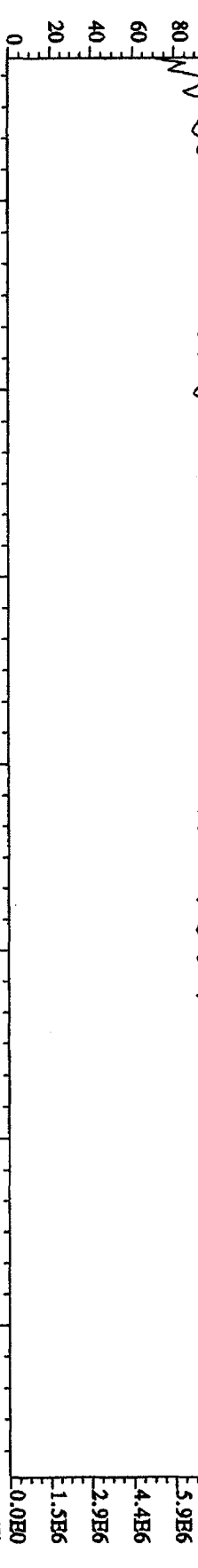
File:12AP104D5 #1-435 Acq:12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A

354.9792 S:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 15:28 15:57 16:26 16:49 17:17 18:25 18:46 19:23 19:48 20:17 21:02 21:33 21:56

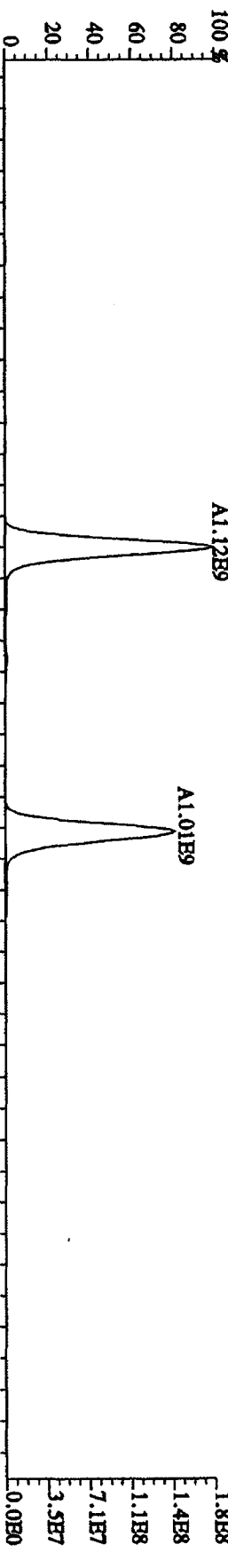


File: 12AP104D5 #1-604 Acq: 12-APR-2010 11:32:49 GC EI+ Voltage: SIR Autospec-UltimaB
 Sample#5 Text: ST0412C :CS-5-09DXN456 Exp: DIOXINRES8290A

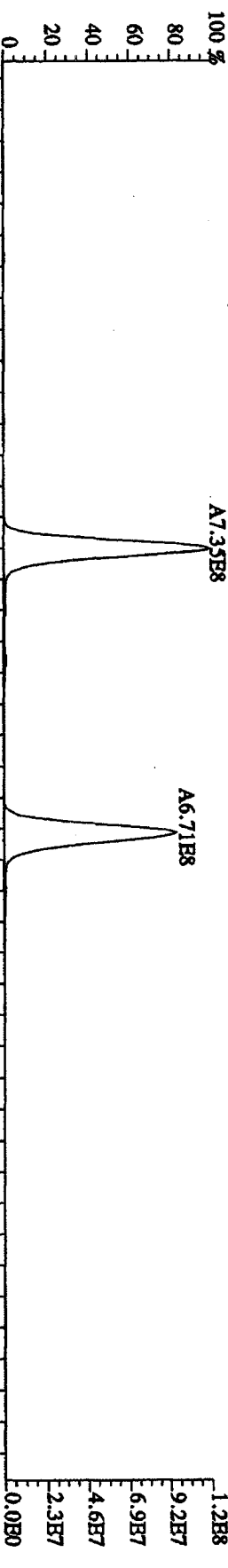
354.9792 S:5 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 22:52 23:30 23:54 24:28 24:57 25:22 25:45 26:12 26:38 27:19 27:43 28:16 28:59 29:25



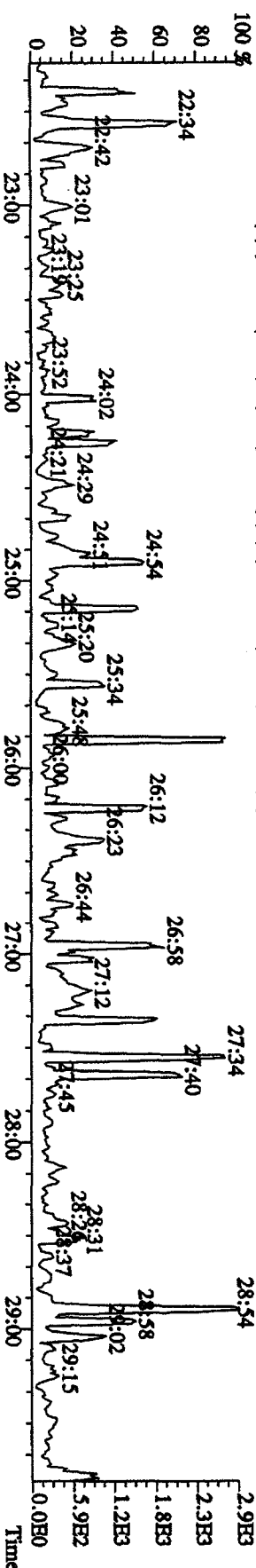
339.8597 S:5 F:2 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,8368.0,1.00%,F,T) 23:00 24:00 25:00 26:00 27:00 28:00 29:00



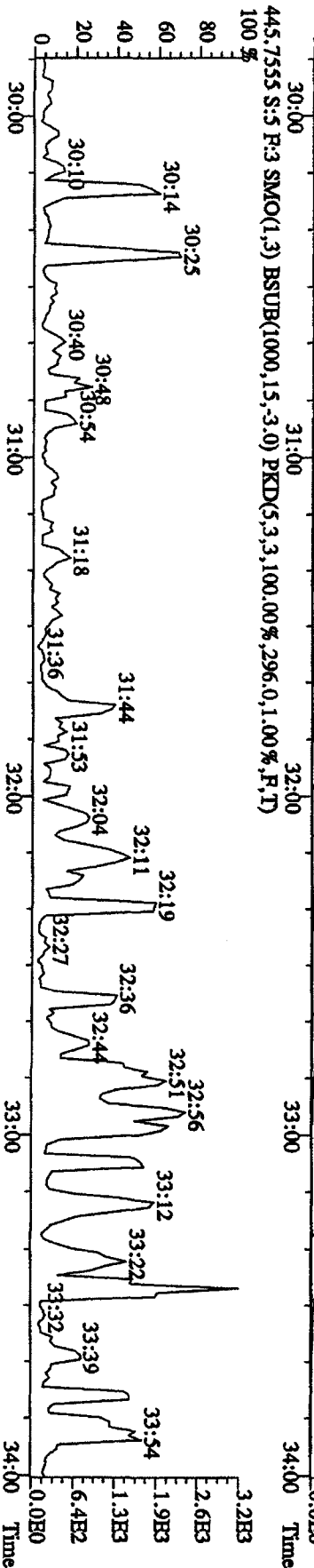
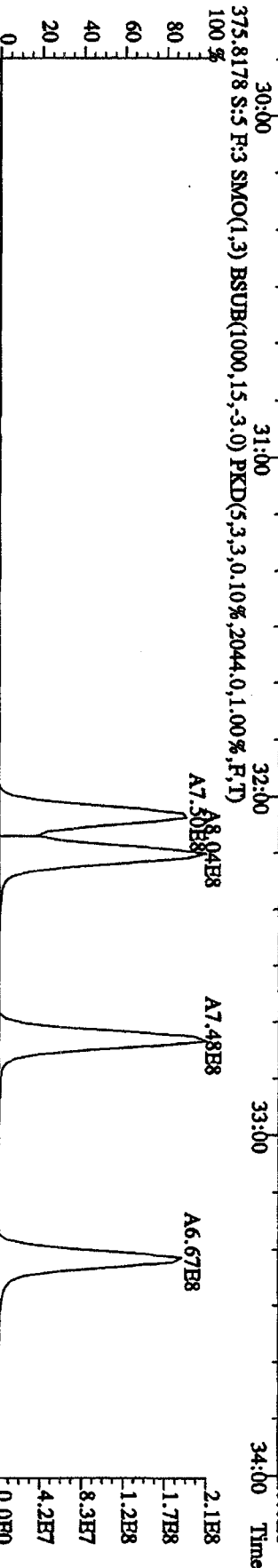
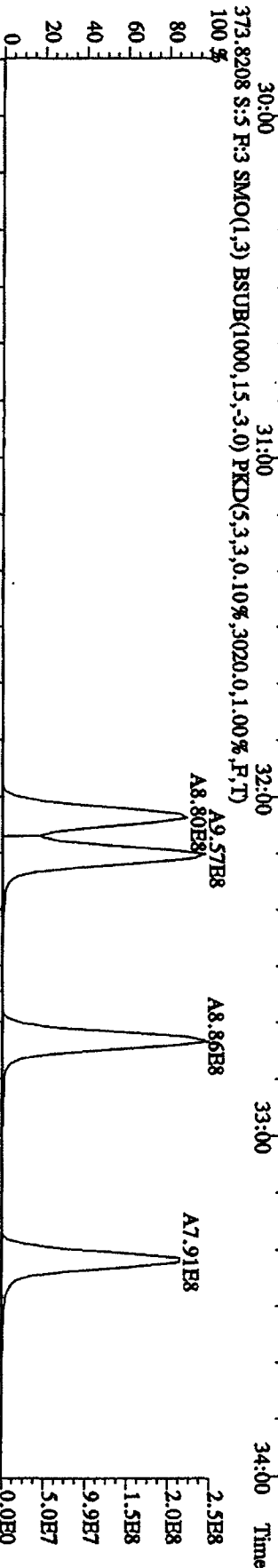
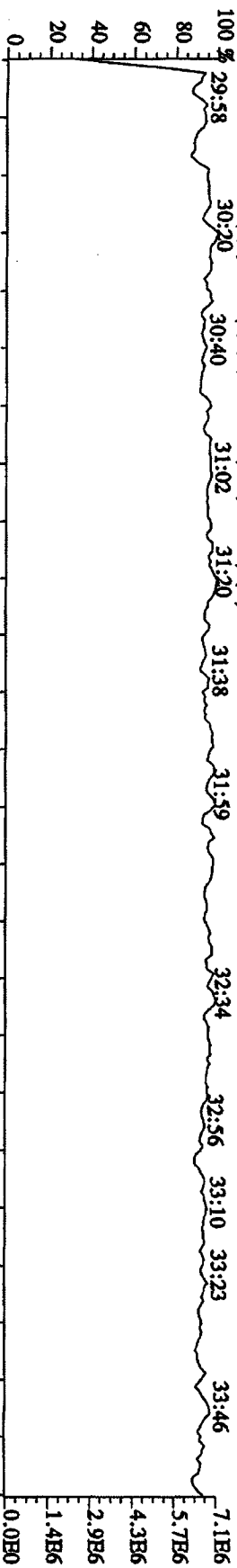
341.8567 S:5 F:2 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,4044.0,1.00%,F,T) 23:00 24:00 25:00 26:00 27:00 28:00 29:00



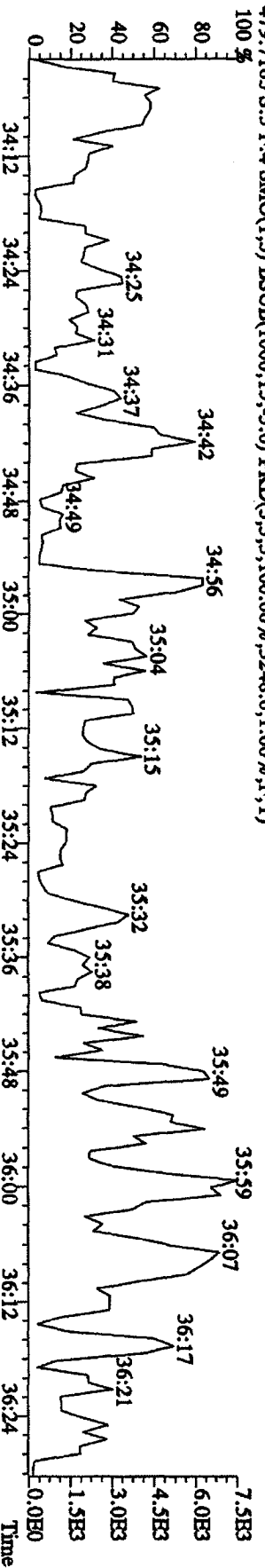
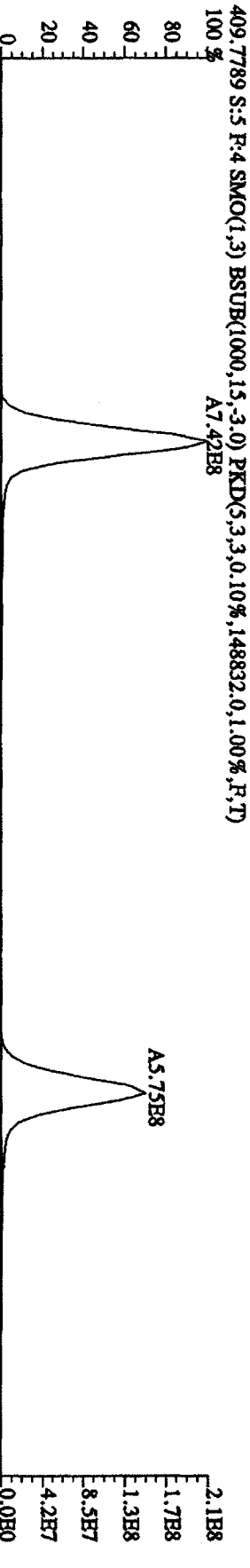
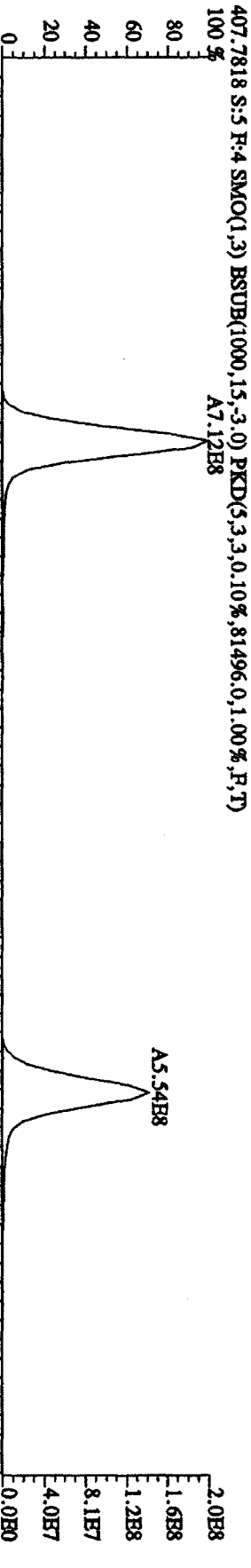
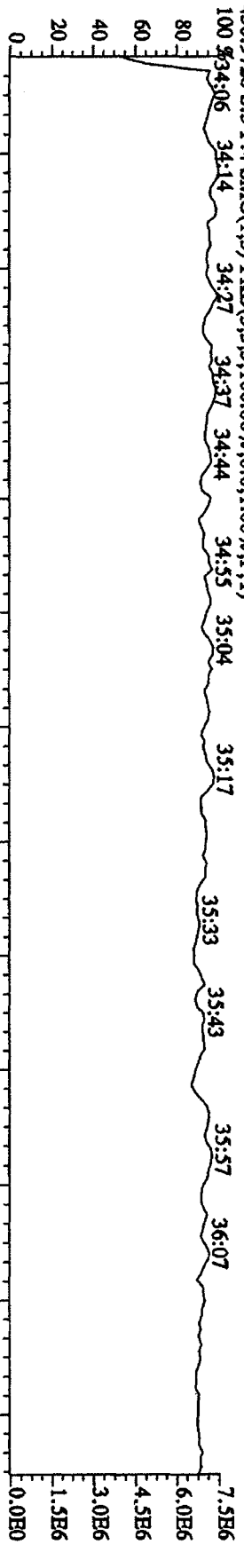
409.7974 S:5 F:2 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,100.00%,312.0,1.00%,F,T) 23:00 24:00 25:00 26:00 27:00 28:00 29:00



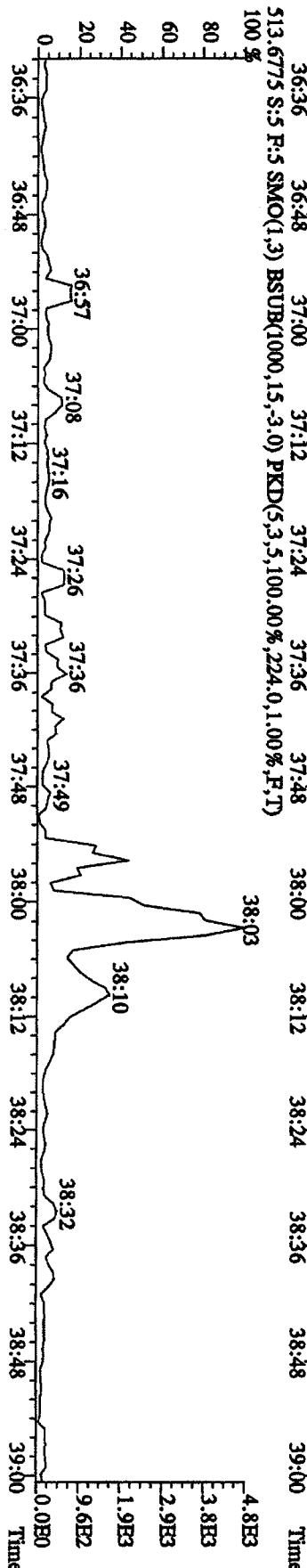
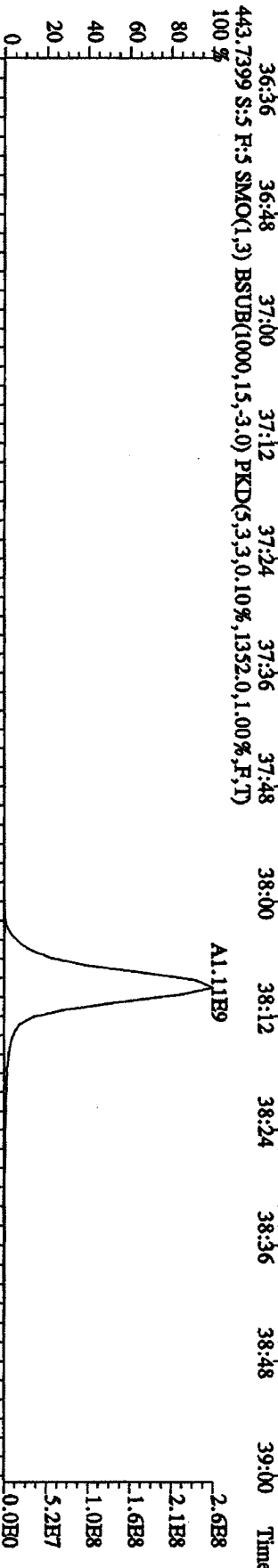
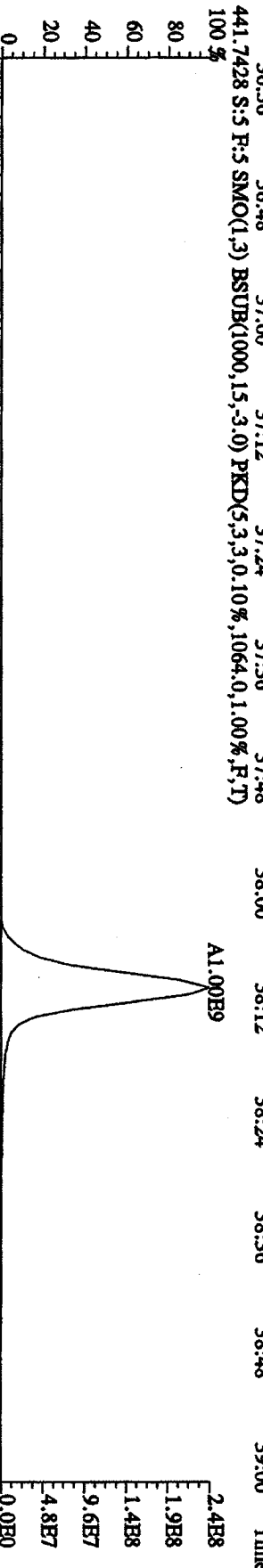
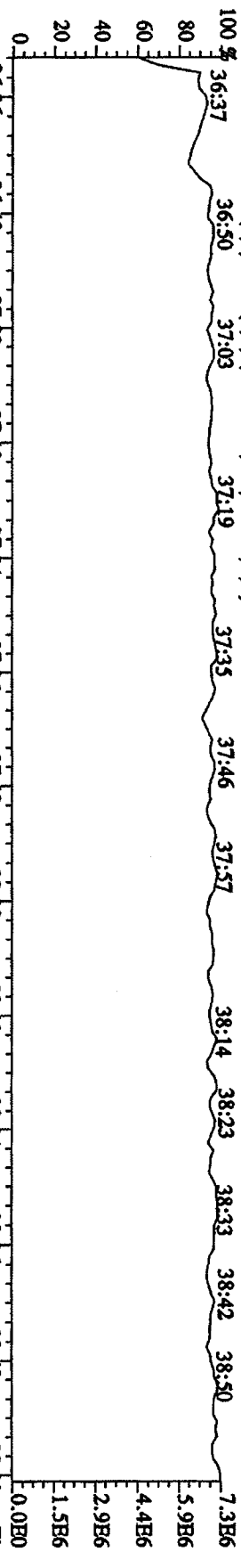
File: 12AP104D5 #1-317 Acq: 12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#5 Text: ST0412C :CS-5 09DXN456 Exp: DIOXINRES8290A



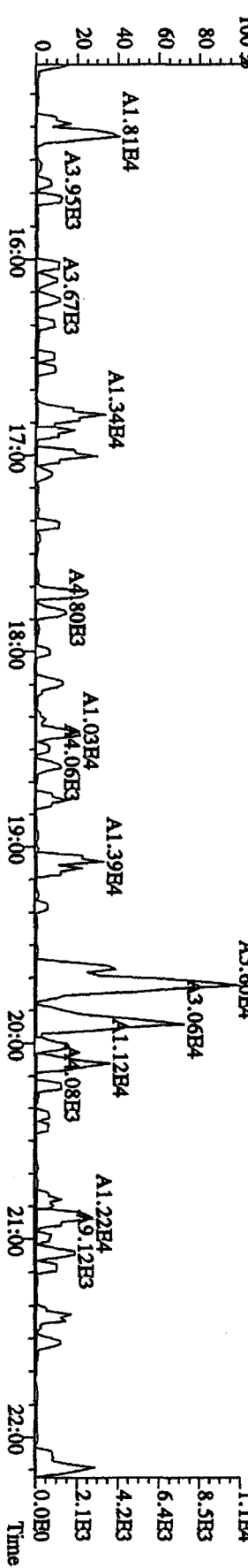
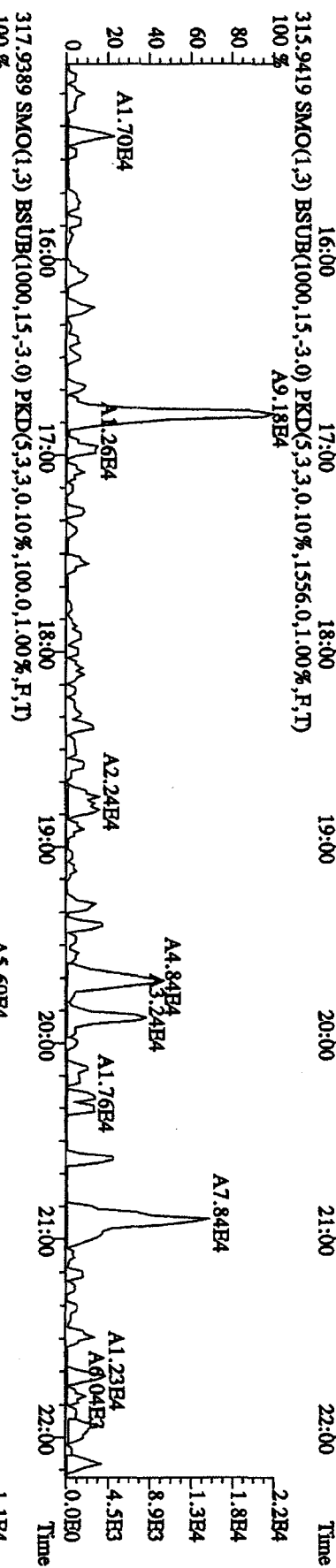
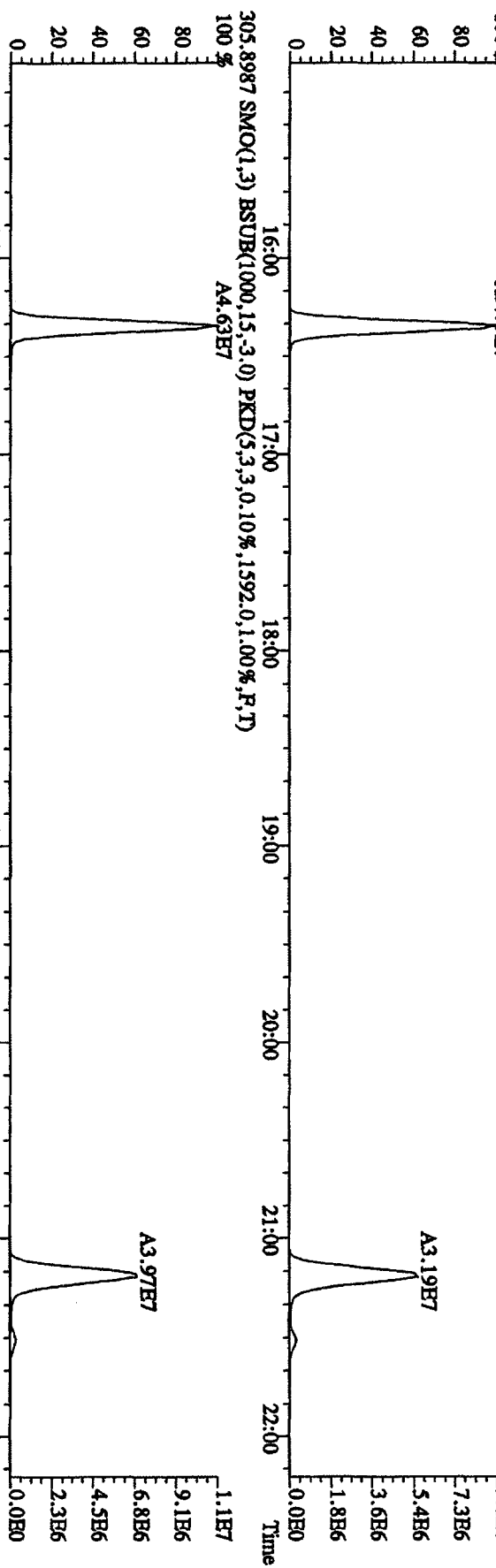
File:12AP104D5 #1-198 Acq:12-APR-2010 11:32:49 GC EI+ Voltage:50V SIR Autospec-UltimaB
 Sample#5 Text:ST0412C :CS-5 09DXN456 Exp:DIOXINRES8290A



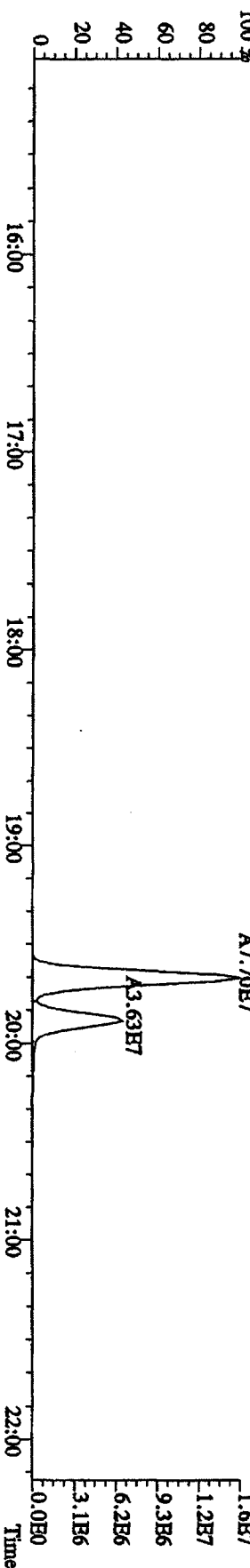
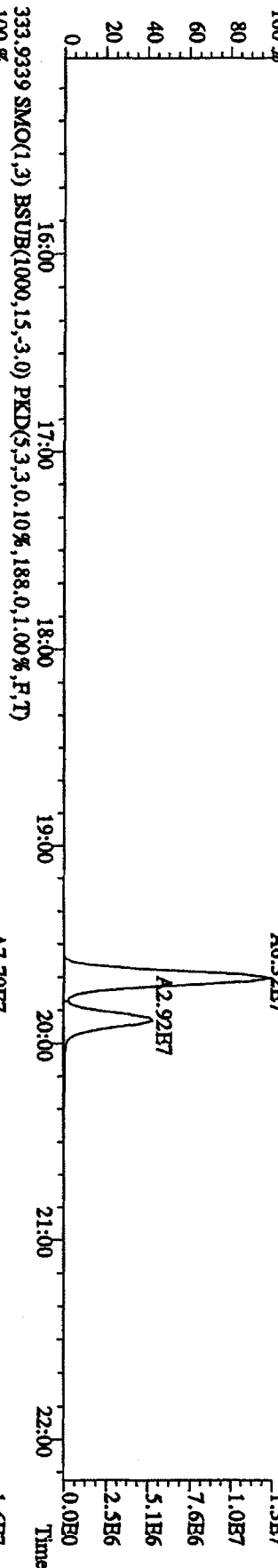
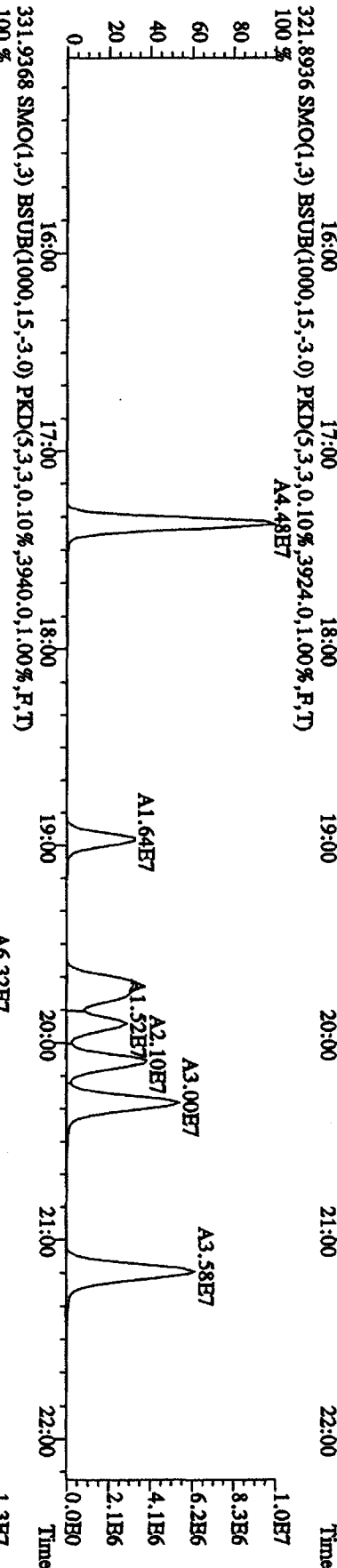
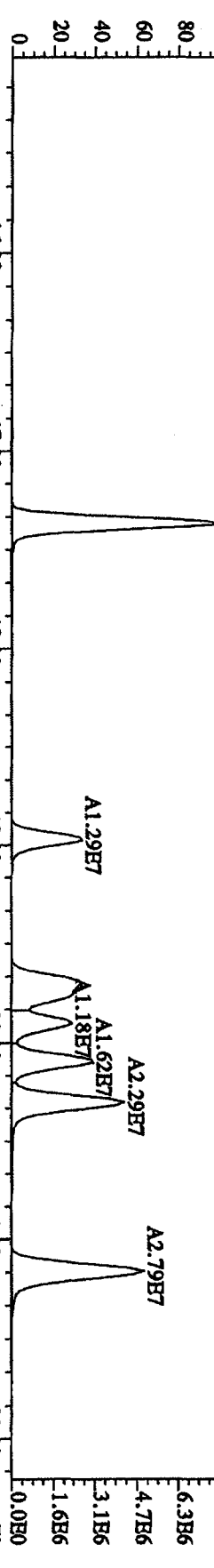
File: 12AP104D5 #1-191 Acq: 12-APR-2010 11:32:49 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#5 Text: ST0412C : CS-5 09DXN456 Exp: DIOXINRES8290A



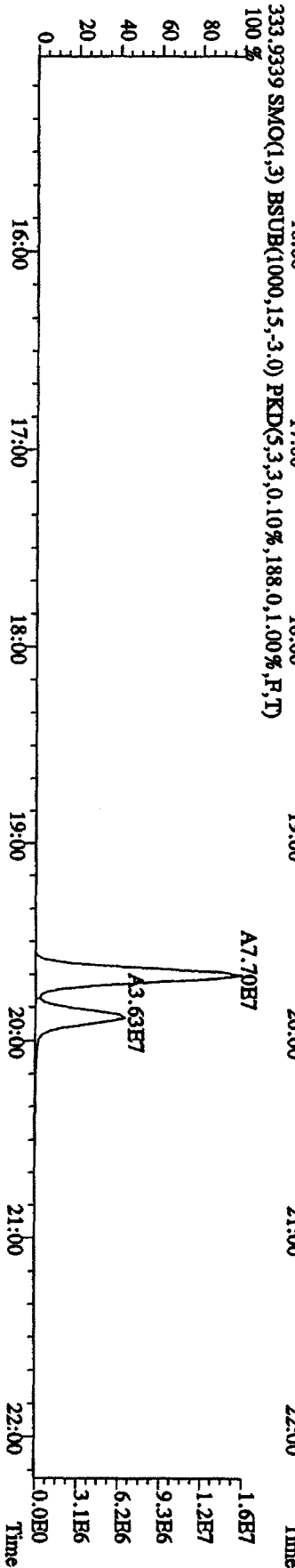
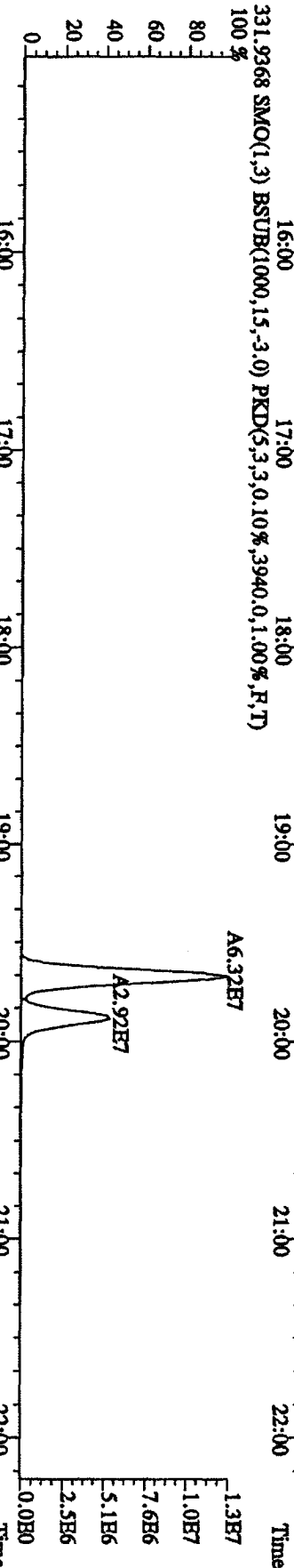
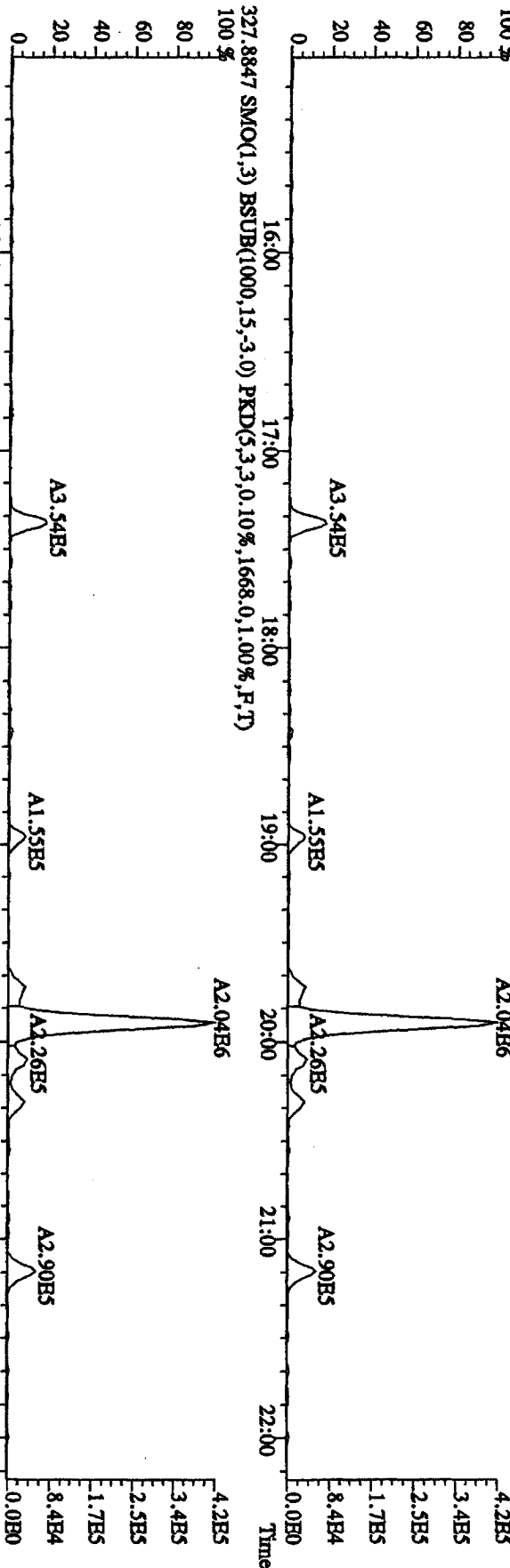
File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CRM 3732-04 Exp:DIOXINRES8290A
 303.9016 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,944.0,1.00%,F,T)
 100% A3.75B7



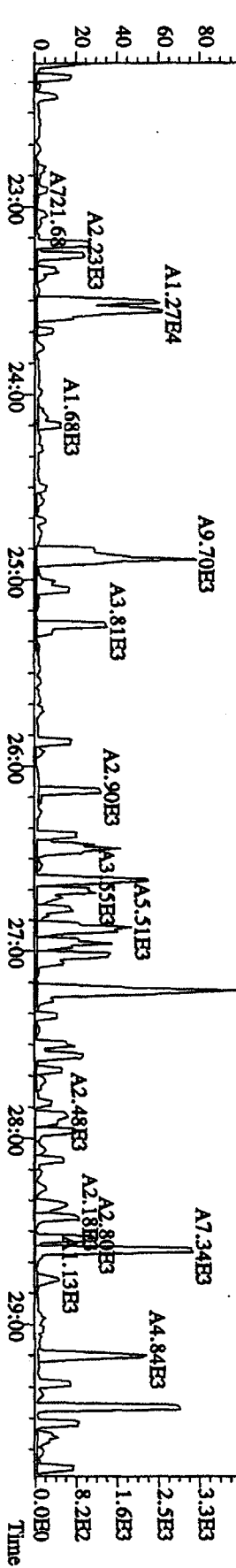
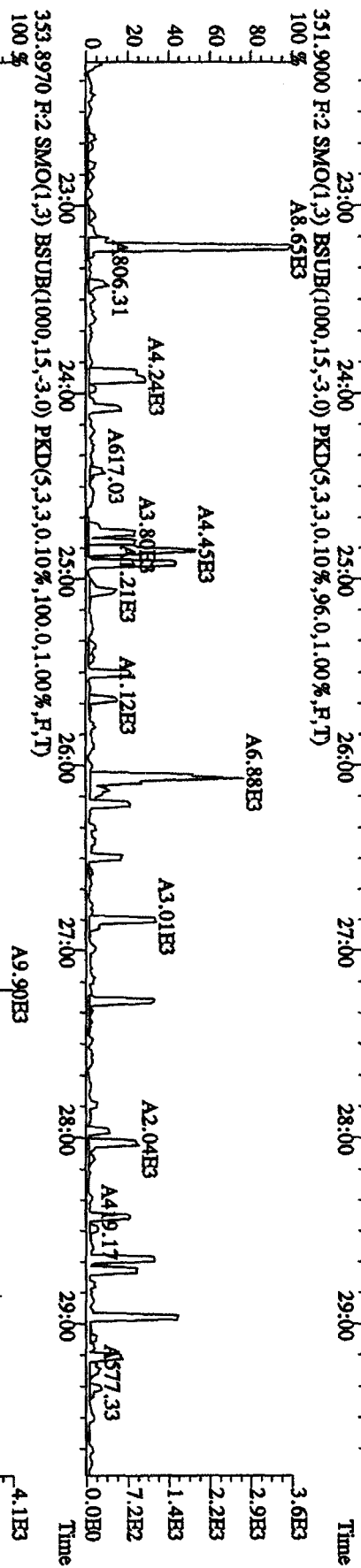
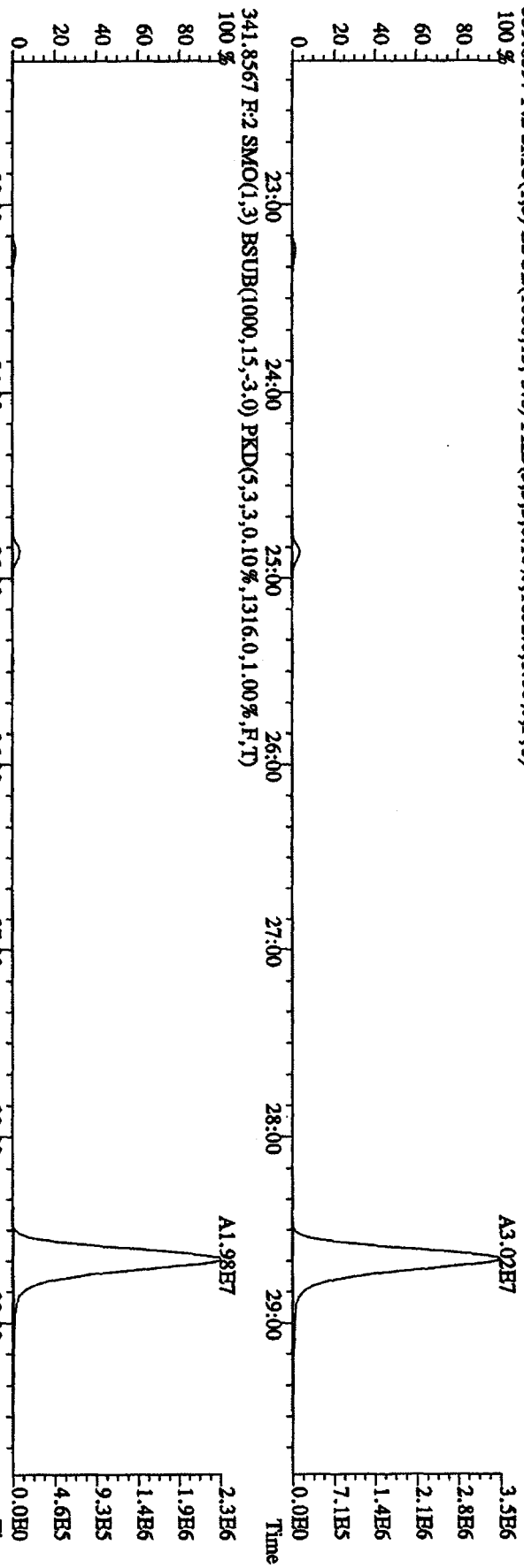
File:12AP104D5 #1-435 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0412 :DB-5 CFSM 3732-04 Exp:DIOXINRES8290A
 319.8965 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1208.0,1.00%,F,T) A3.43E7
 100 %



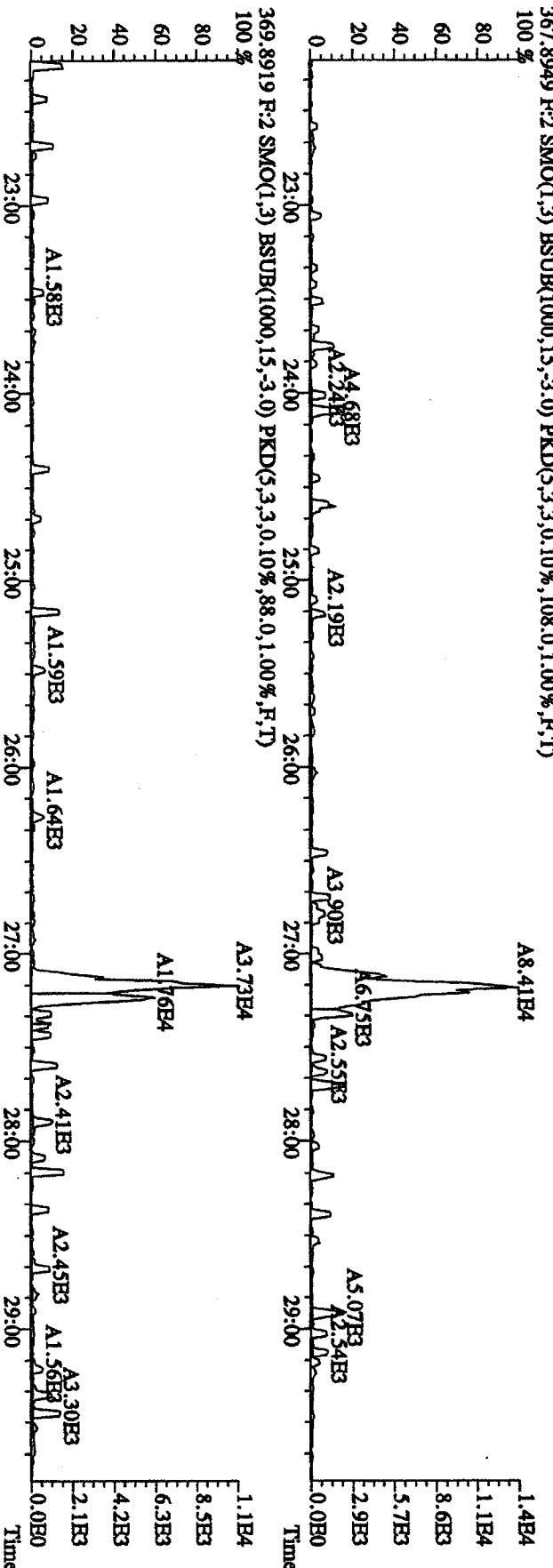
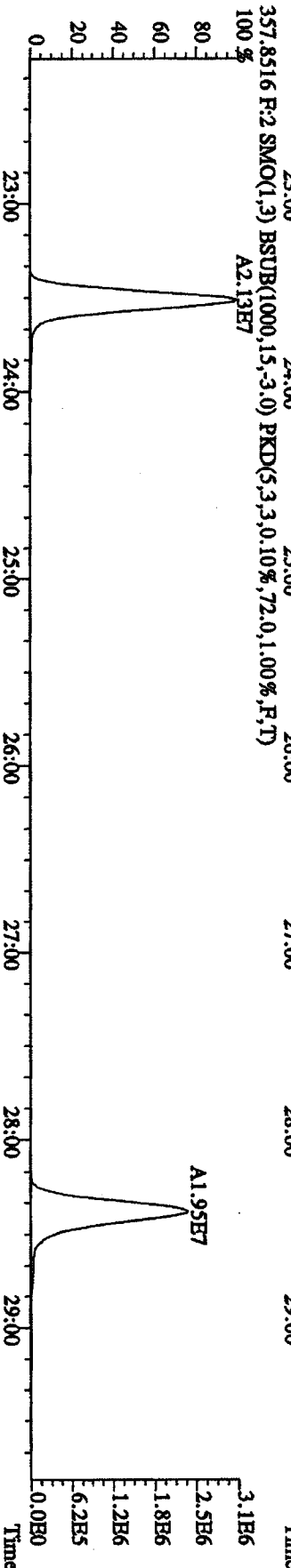
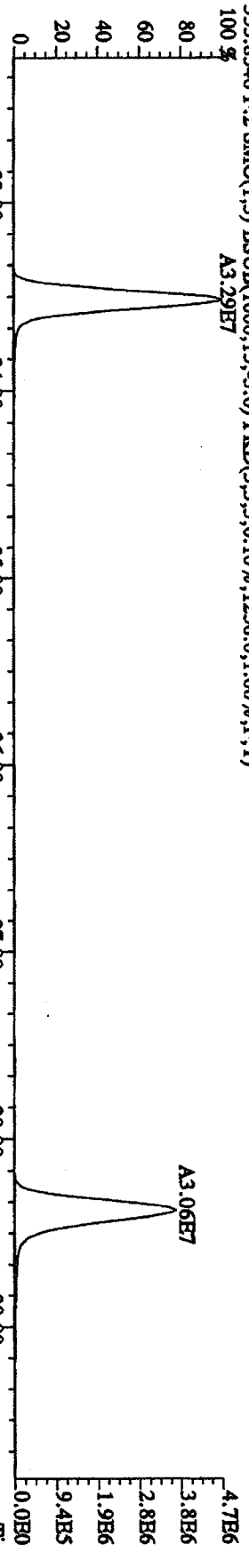
File: 12AP104D5 #1-435 Acq: 12-APR-2010 08:30:15 GC EI + Voltage SIR Autospec-UltimaB
 Sample#1 Text: CP0412 :DB-5 CPSM 3732-04 Exp: DIOXINRES8290A
 327.8847 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1.668,0,1.00%,F,T)



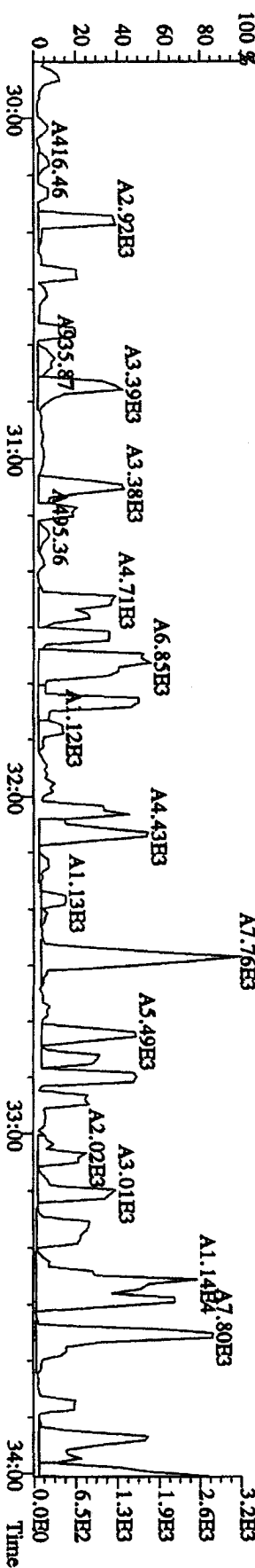
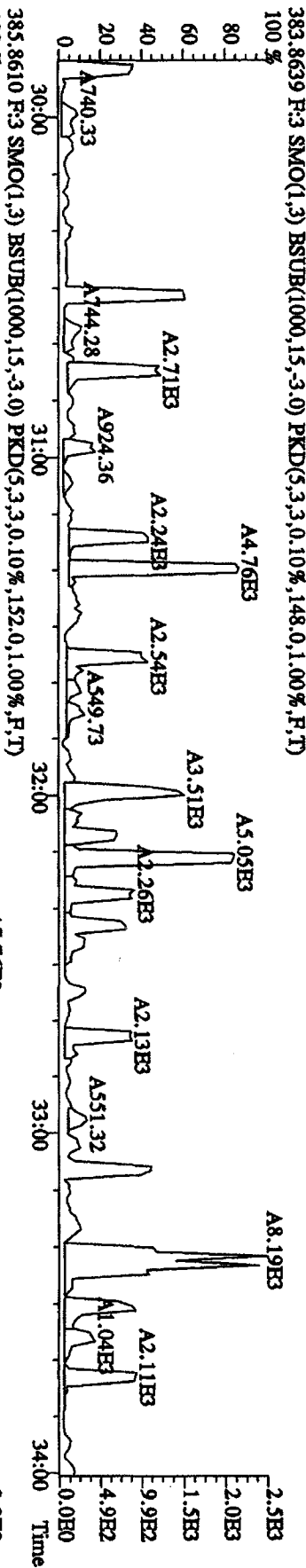
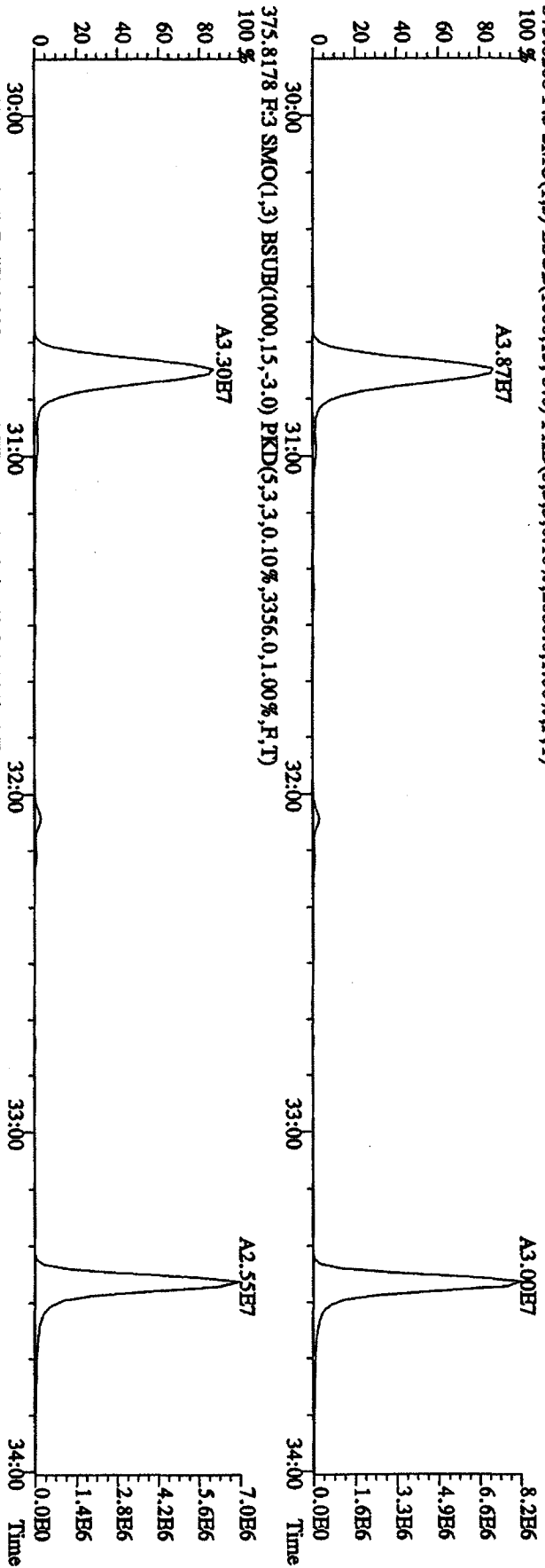
File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC EI + Voltage SIR Autospec-UltimaE
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
 339.8597 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1652.0,1.00%,F,T)



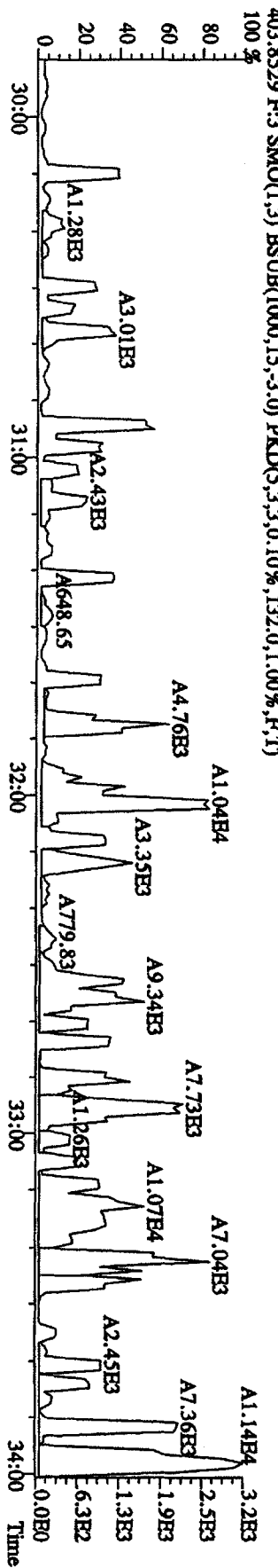
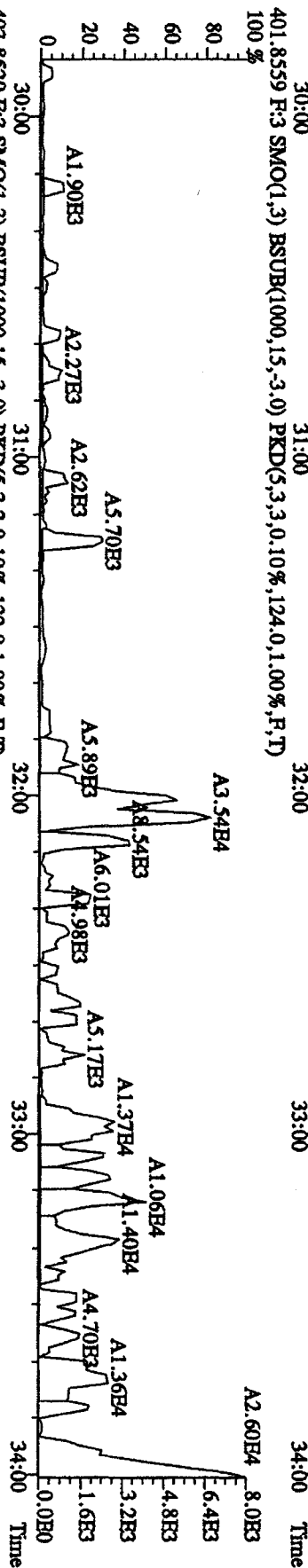
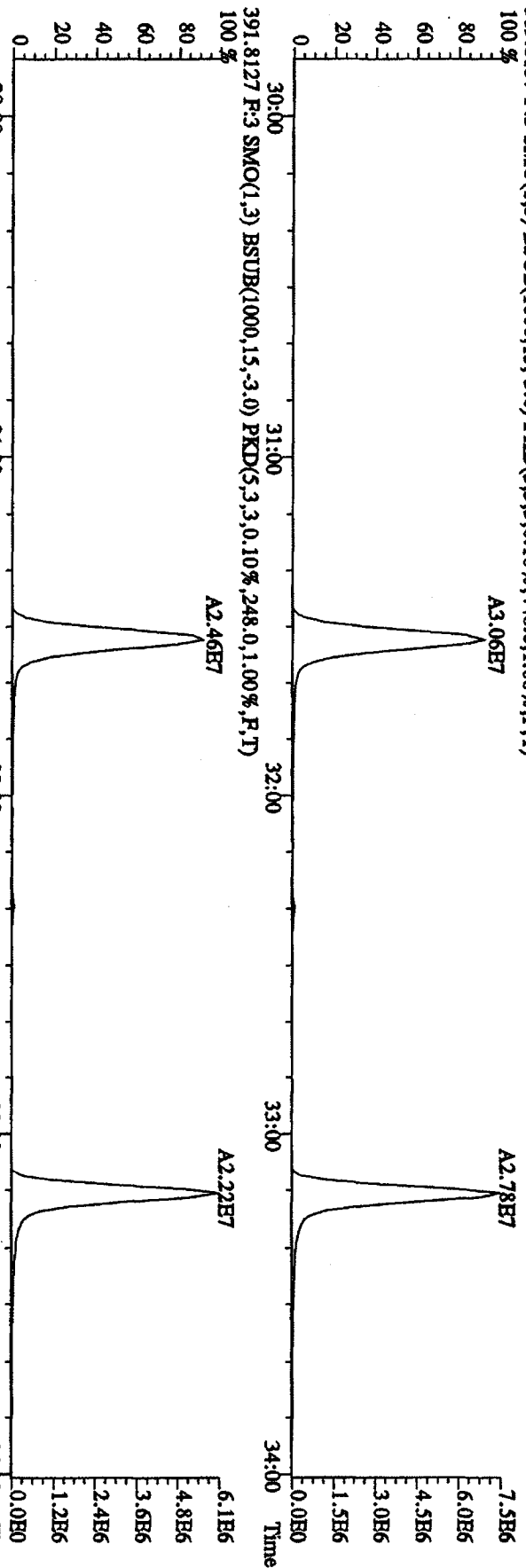
File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC HI + Voltage SIR Autospec-Ultimah
 Sample#1 Text:CP0412 :DB-5 CP5M 3732-04 Exp:DIOXINRES8290A
 357.8546 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1256.0,1.00%,F,T)



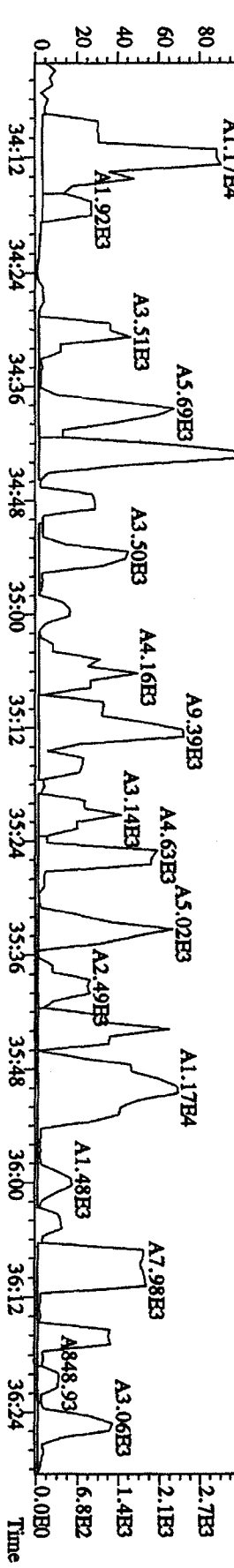
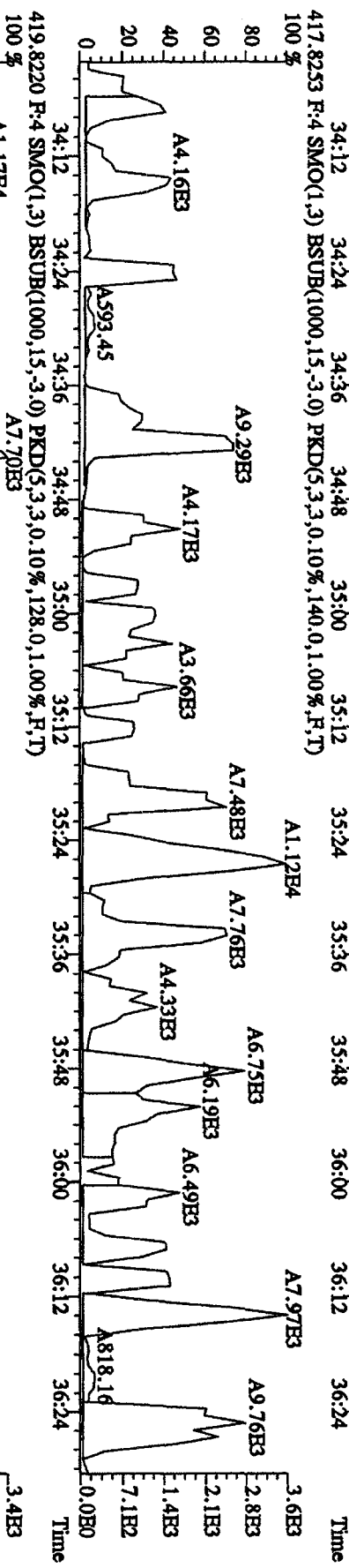
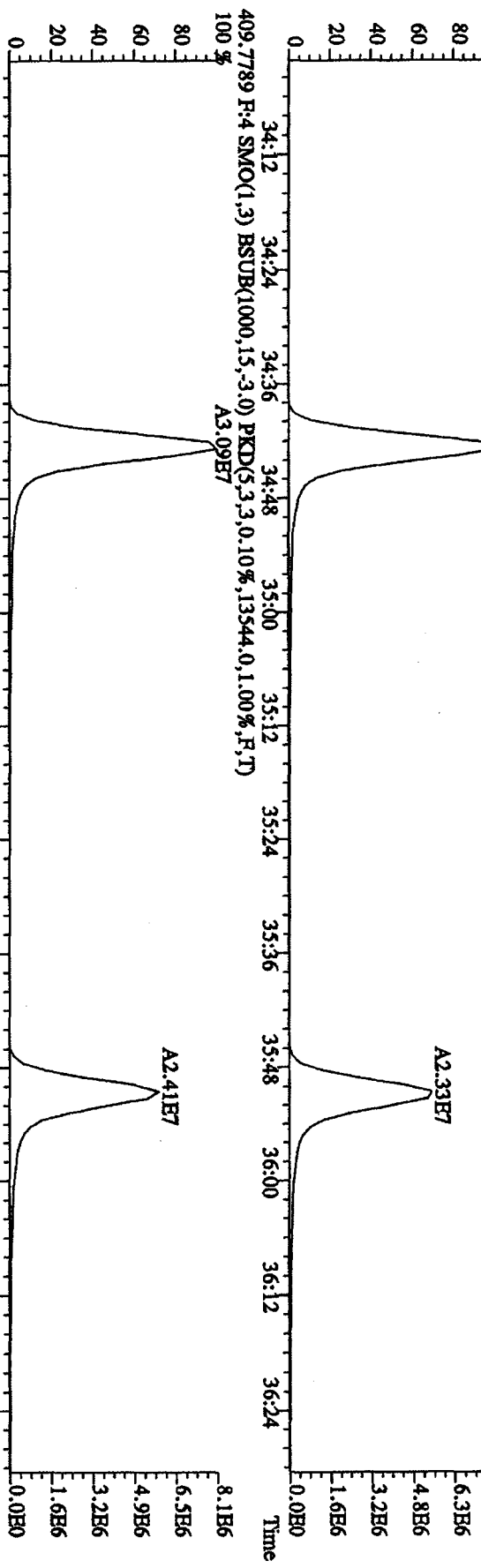
File: 12AP104D5 #1-317 Acq: 12-APR-2010 08:30:15 GC EI+ Voltage: 8.0kV SRR Autospec-Ultimate
 Sample#1 Text: CP0412 .IDB-5 CP5M 3732-04 Exp: DIOXINRES8290A
 373.8178 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,.3356,0,1,00%,F,T)



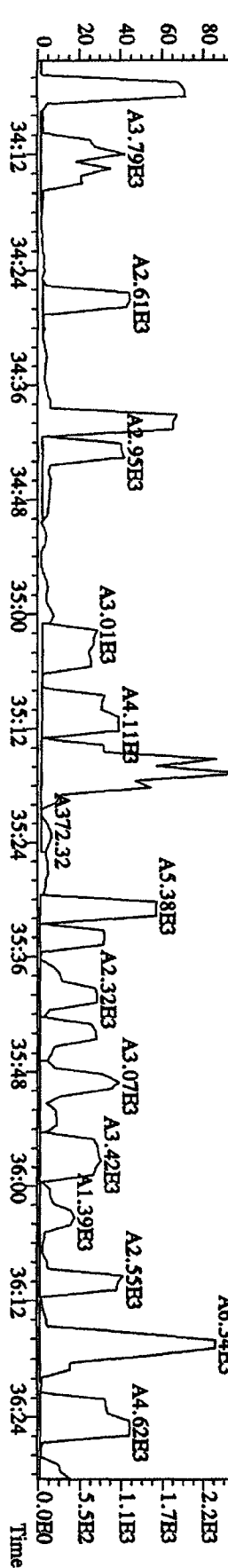
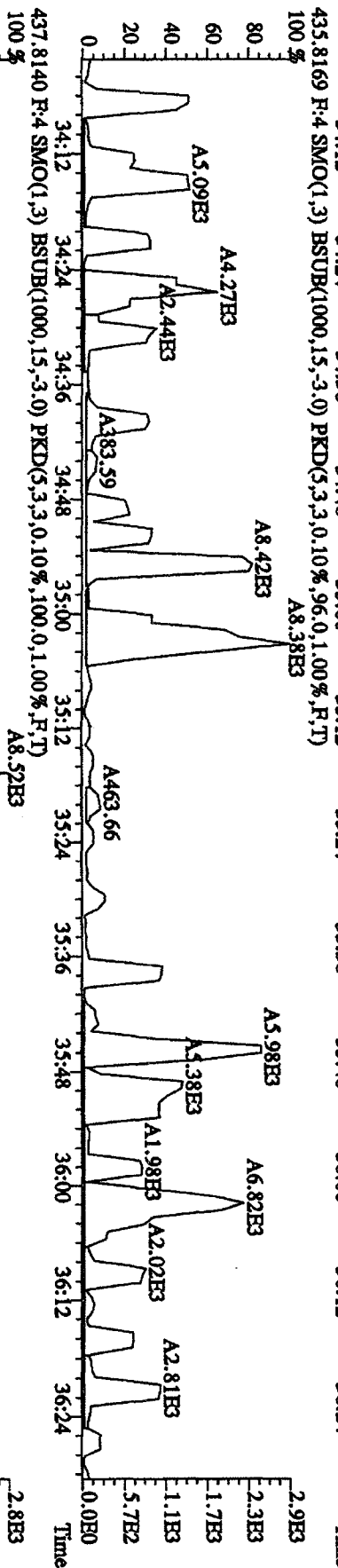
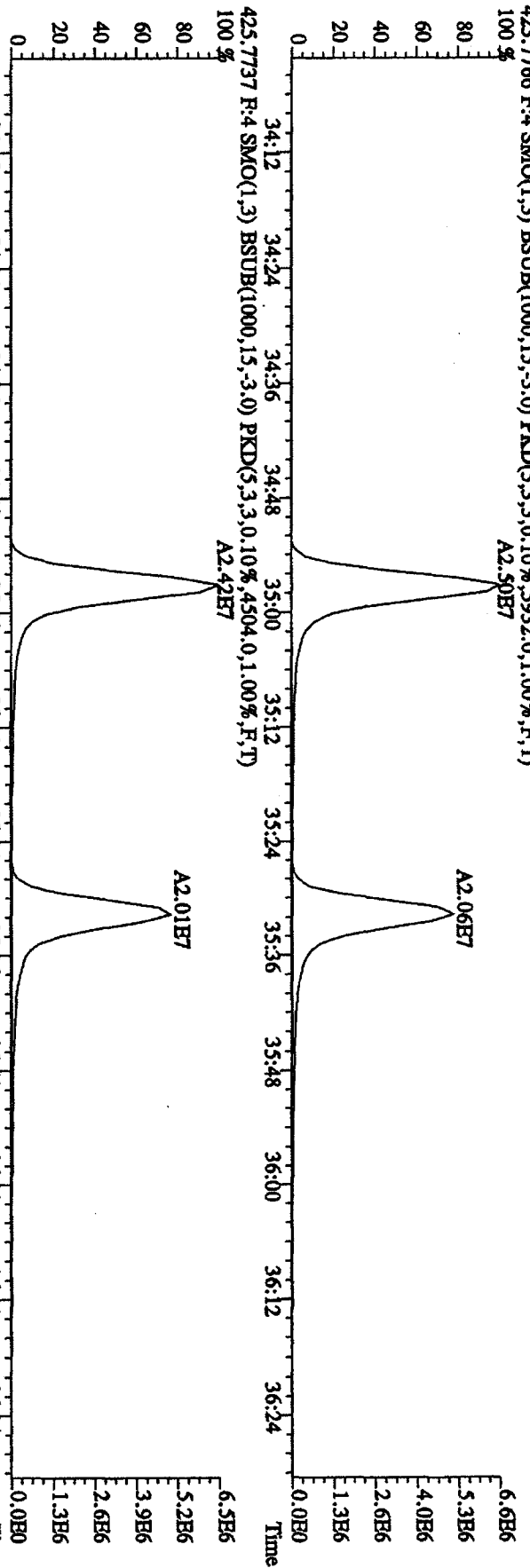
File:12AP104D5 #1-317 Acq:12-APR-2010 08:30:15 GC FI+ Voltage SIR Autospec-UltimaB
 Sample#1 Text:CP0412 :DB-5 CFSM 3732-04 Exp:DIOXINRESS8290A
 389.8157 F:3 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,448.0,1.00%,F,T)



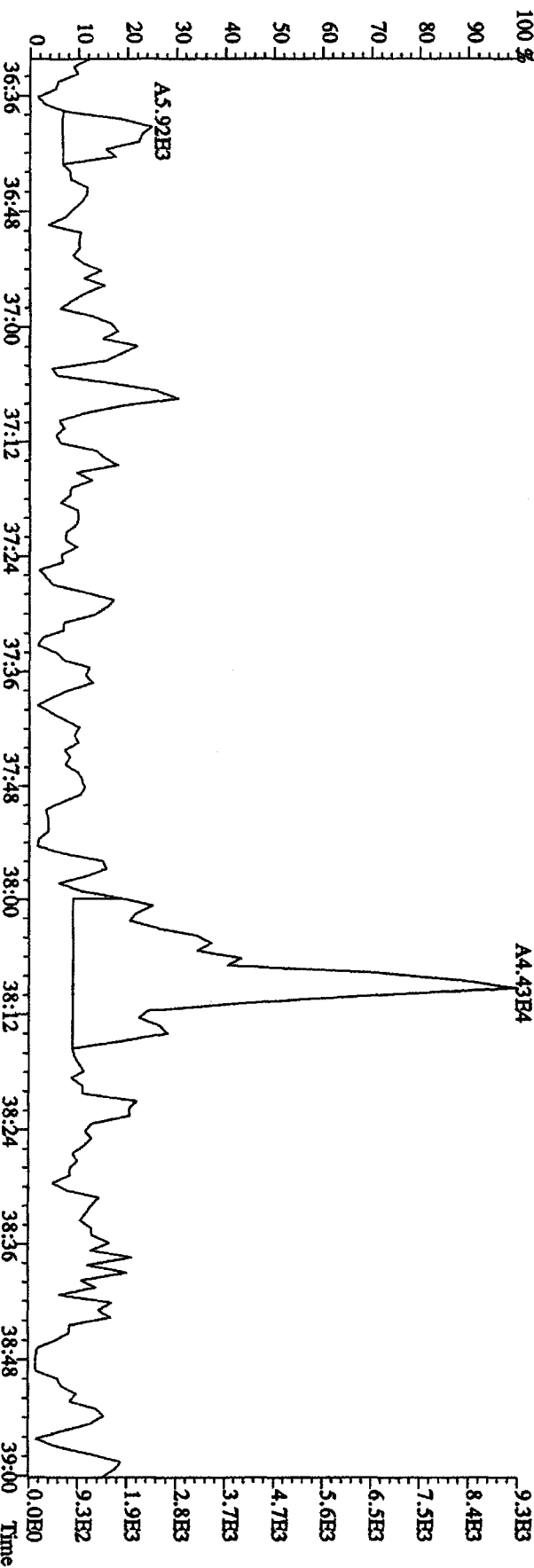
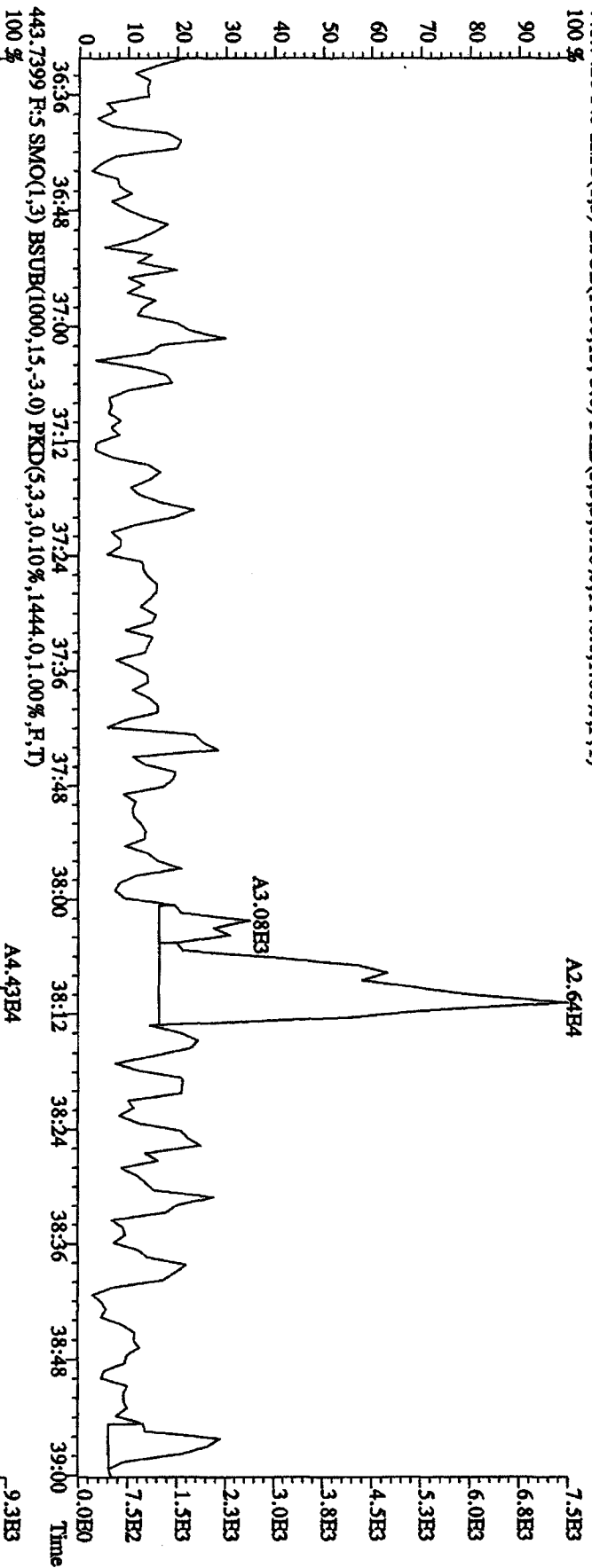
File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#1 Text:CP0412 ;DB-5 CPSM 3732-04 Exp:DIOXINRES8290A
 407.7818 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,14896,0,1,00%,F,T)
 100%



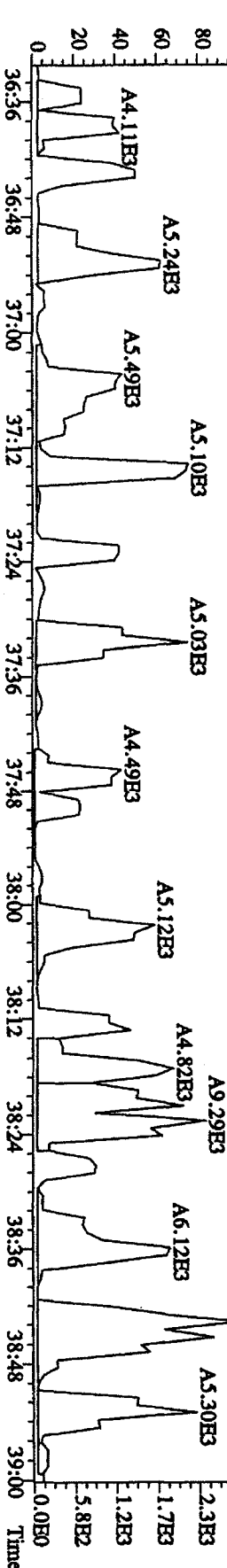
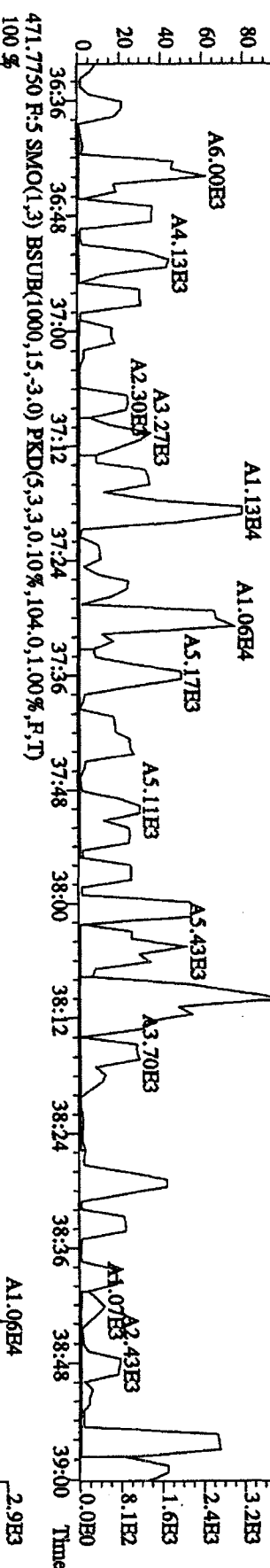
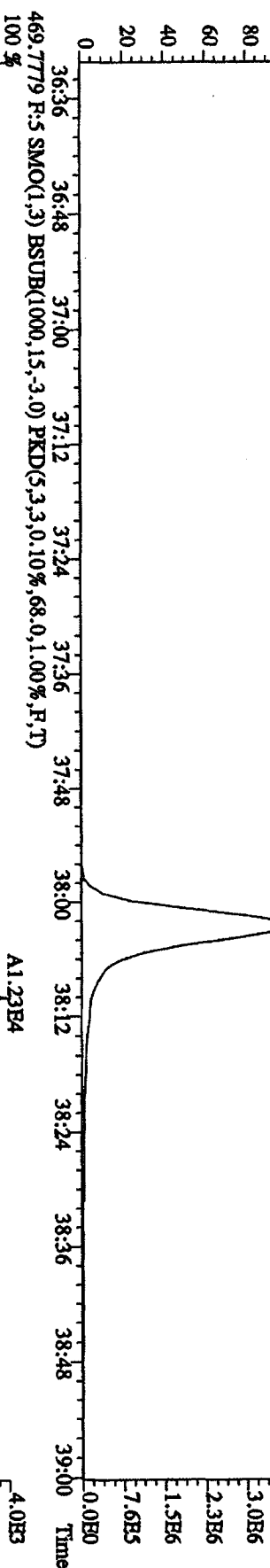
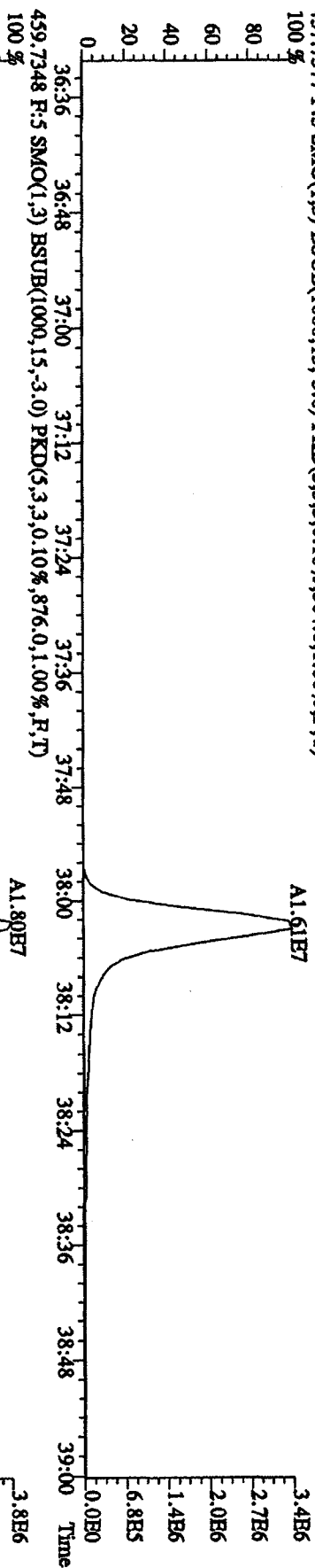
File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#1 Text:CP0412 :DB-5 CPM 3732-04 Exp:DIOXINRESS8290A
 423.7737 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,4504,0.1,00%,F,T)
 100% A2.50E7



File:12AP104D5 #1-190 Acq:12-APR-2010 08:30:15 GC HI + Voltage SIR Autospec-UltimaE
 Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRES5290A
 441.7428 F:5 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,1148,0.1,0.0%,F,T)



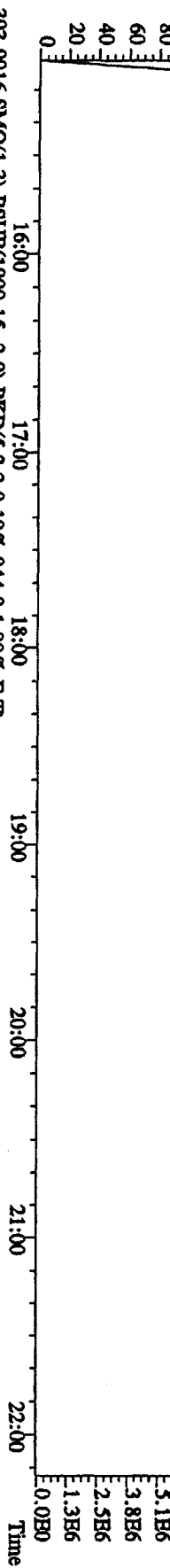
File: 12AP104D5 #1-190 Acq: 12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-Ultimat
 Sample#1 Text: CP0412 :DB-5 CPSM 3732-04 Exp: DIOXINRBS8290A
 457.7377 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,504,0,1,00%,F,T)



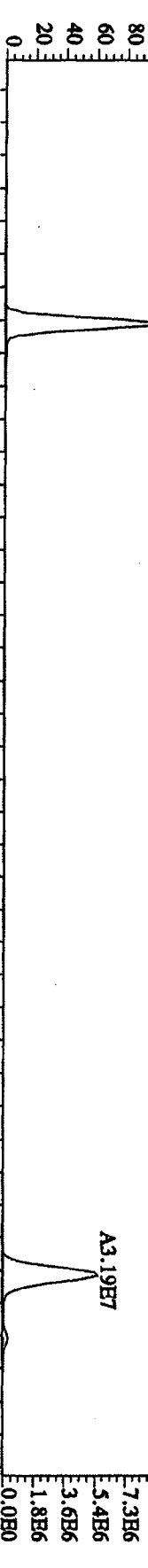
File:12AP10AD5 #1-435 Acq:12-APR-2010 08:30:15 GC HI+ Voltage SIR Autospec-Ultimate

Sample#1 Text:CP0412 :DB-5 CPSM 3732-04 Exp:DIOXINRBS8290A

354.9792 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 15:31 16:12 16:41 17:07 17:56 18:26 19:02 19:39 20:25 20:47 21:16 21:46



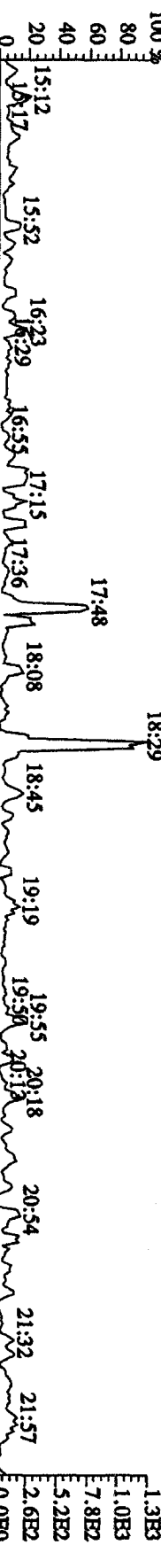
303.9016 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,944.0,1.00%,F,T) A3.75E7



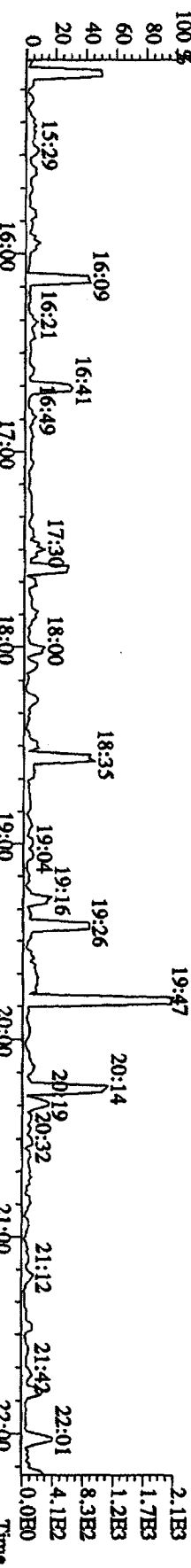
305.8987 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1592.0,1.00%,F,T) A4.63E7



375.8364 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,96.0,1.00%,F,T) 18:29



409.7974 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,100.0,1.00%,F,T)

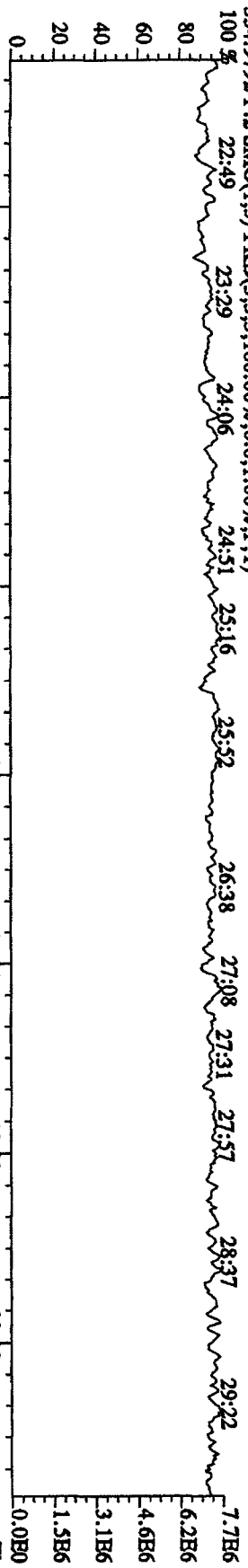


File:12AP104D5 #1-605 Acq:12-APR-2010 08:30:15 GC HI+ Voltage SIR Autospec-Ultimate

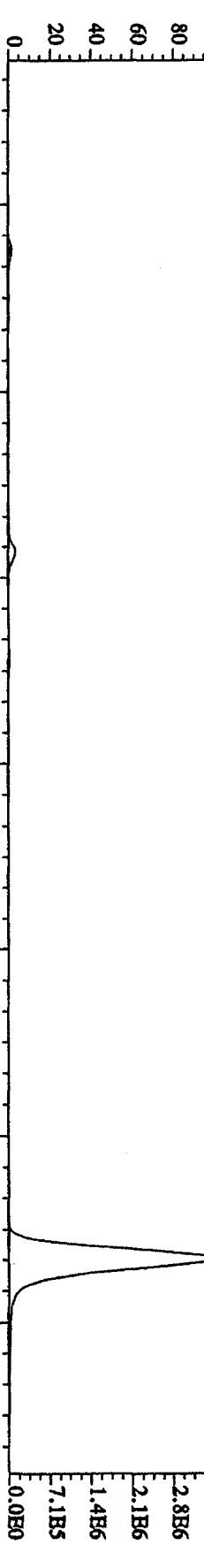
Sample#1 Text:CP0412 :DB-5 CP5M 3732-04 Exp:DIOXINRES8290A

354.9792 F:2 SMO(1.3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

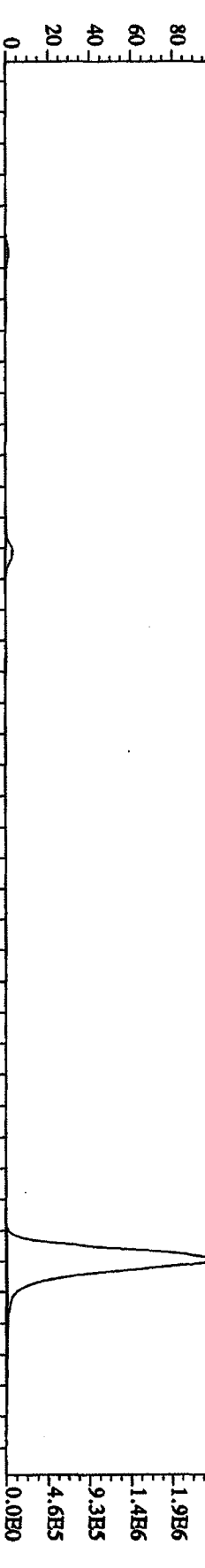
100% 22:49 23:29 24:06 24:51 25:16 25:52 26:38 27:08 27:31 27:57 28:37 29:22



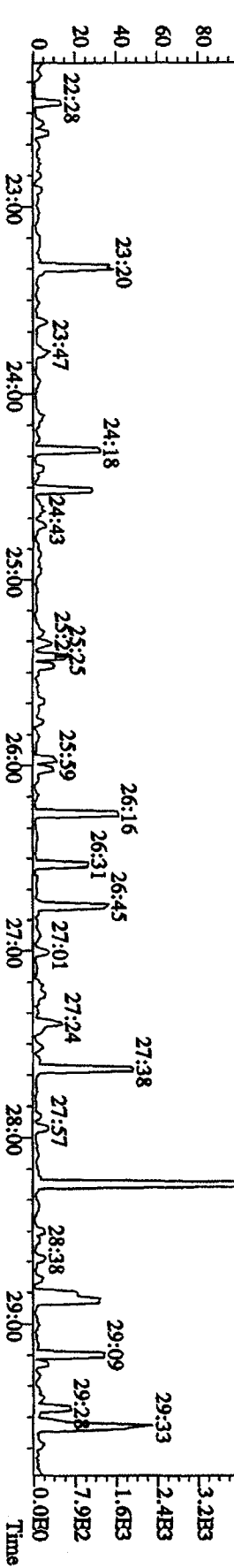
339.8597 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1652.0,1.00%,F,T)



341.8567 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1316.0,1.00%,F,T)



409.7974 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,92.0,1.00%,F,T)

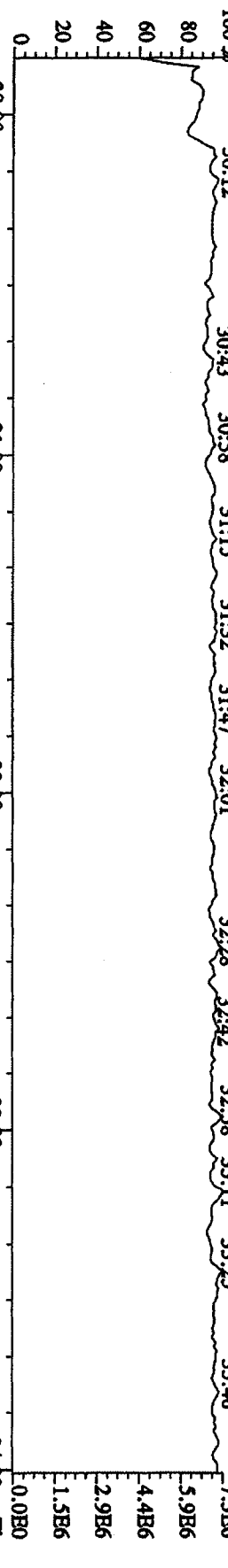


File:12AP104D5 #1-317 Acq:12-APR-2010 08:30:15 GC BI+ Voltage SFR Autospec-Ultimate

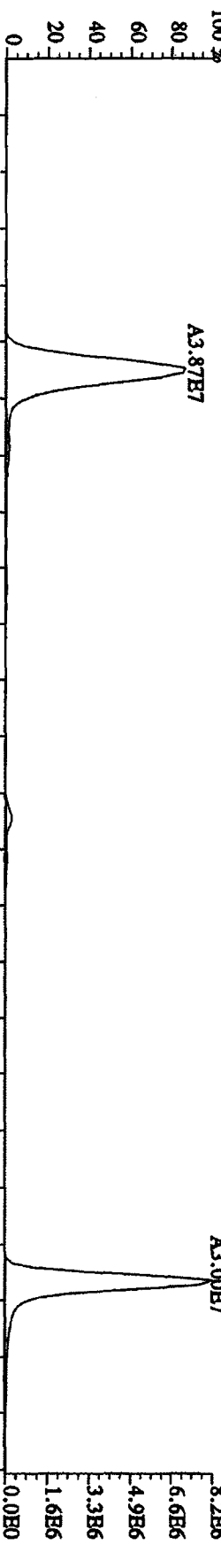
Sample#1 Text:CP0412 :DB-5 CP5M 3732-04 Exp:DIOXINRHS8290A

430.9728 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

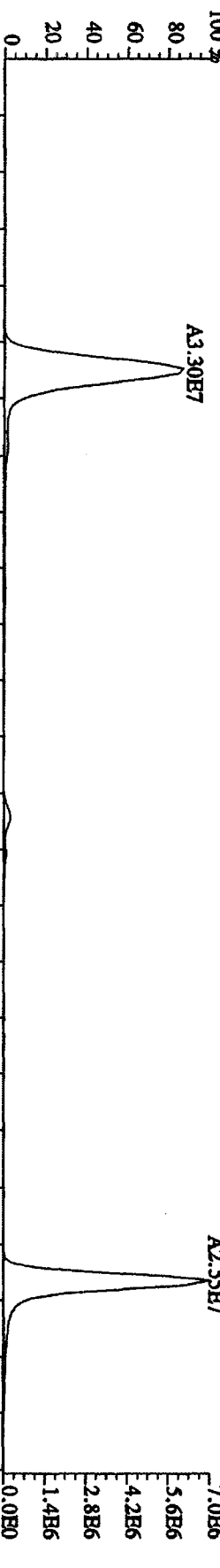
30:12 30:43 30:58 31:15 31:32 31:47 32:01 32:28 32:42 32:58 33:11 33:25 33:46



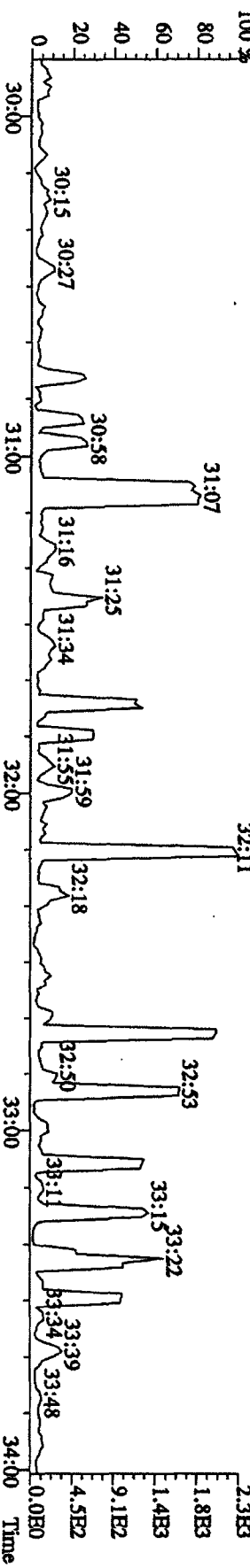
373.8208 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2080,0,1.00%,F,T)



375.8178 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3356,0,1.00%,F,T)



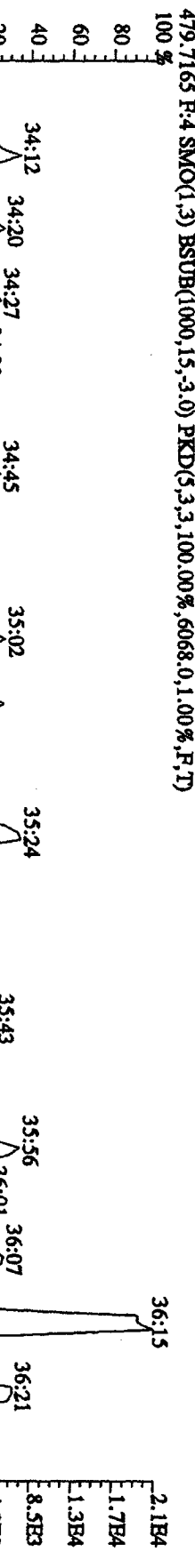
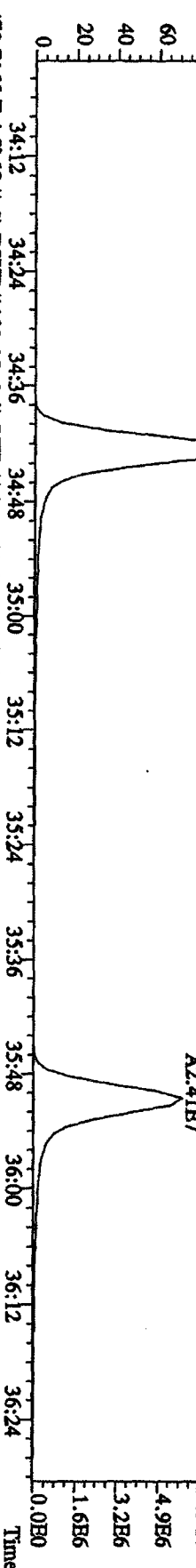
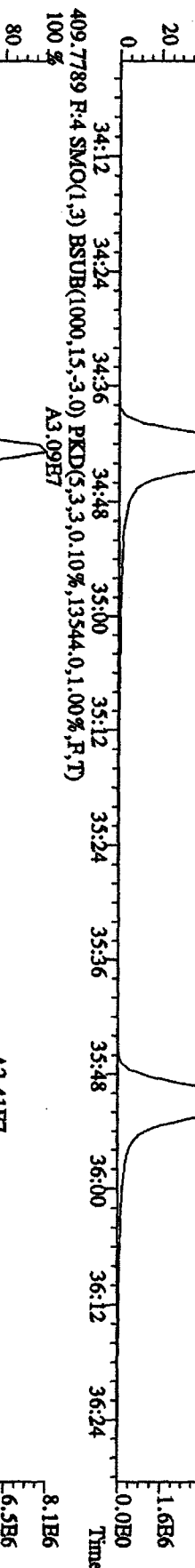
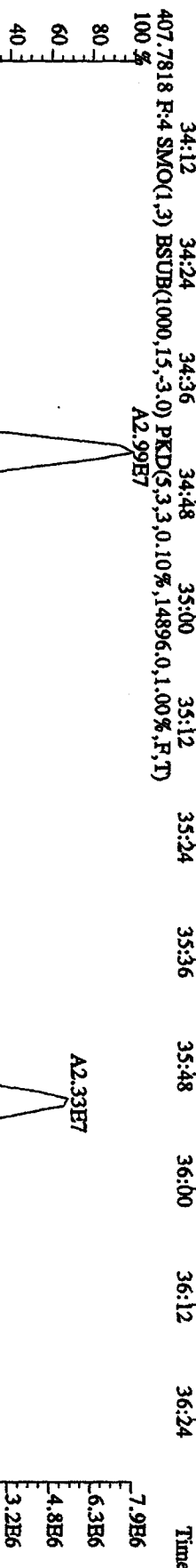
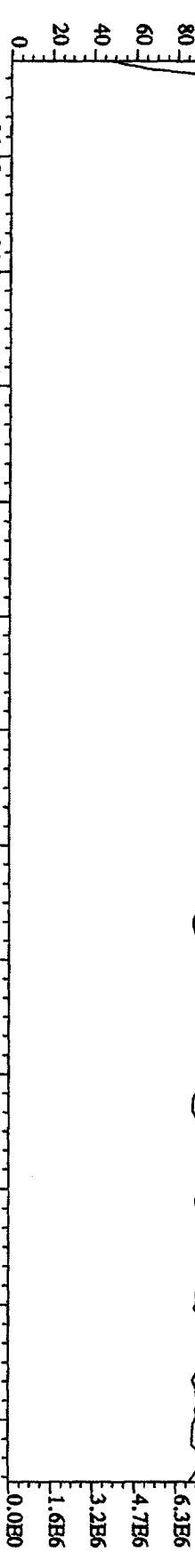
445.7555 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,128,0,1.00%,F,T)



File:12AP104D5 #1-198 Acq:12-APR-2010 08:30:15 GC EI+ Voltage SIR Autospec-UtimaB

Sample#1 Text:CP0412 :DB-5 CPISM 3732-04 Exp:DIOXINRESS8290A

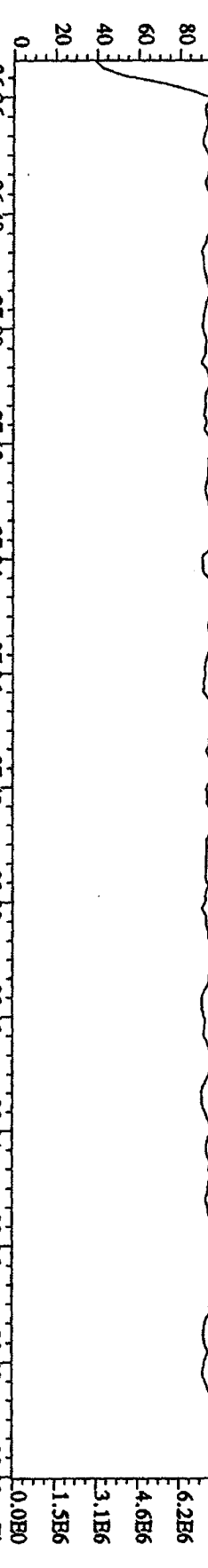
430.9728 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



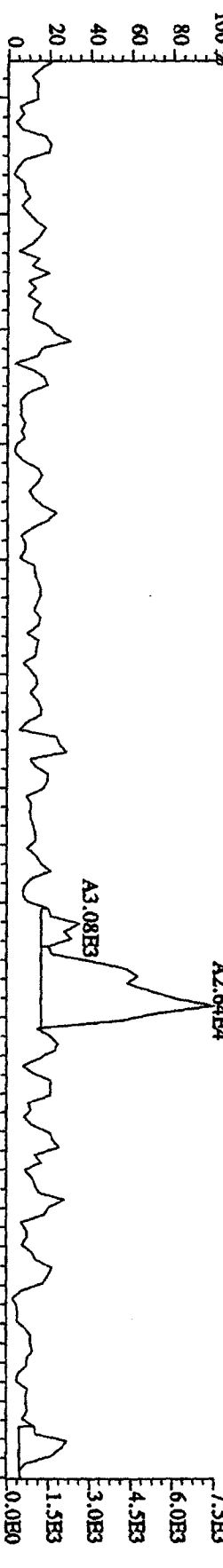
File: 12AP104D5 #1-190 Acq: 12-APR-2010 08:30:15 GC EI + Voltage SIR Autospec-Ultimate

Sample#1 Test: CP0412 ; DB-5 CPSM 3732-04 Exp: DIOXINRESS8290A

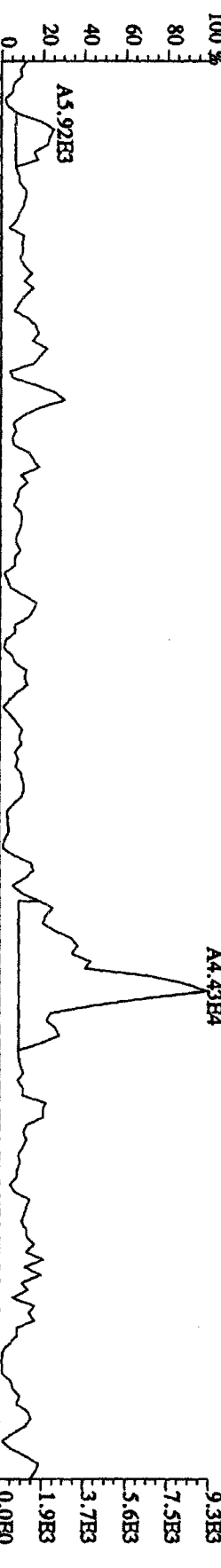
442.9728 F: 5 SMO(1,3) PKD(5,3,3,100,00%,0.0,1.00%,F,T)



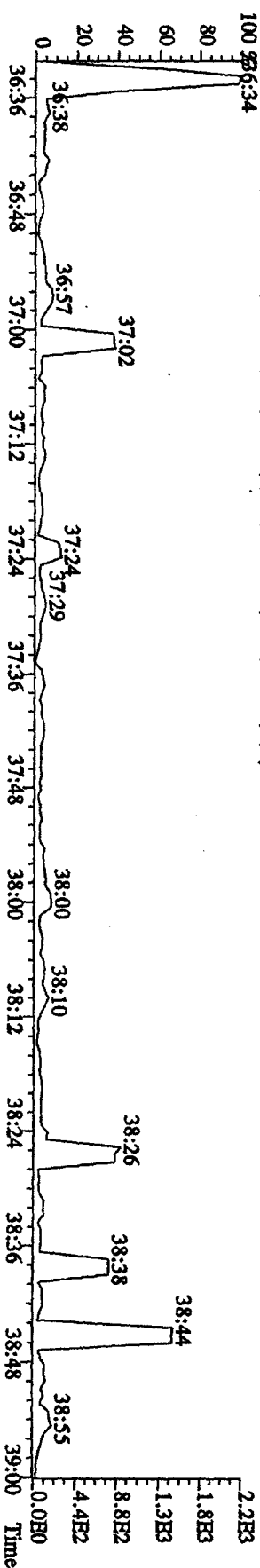
441.7428 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1148,0,1,00%,F,T)



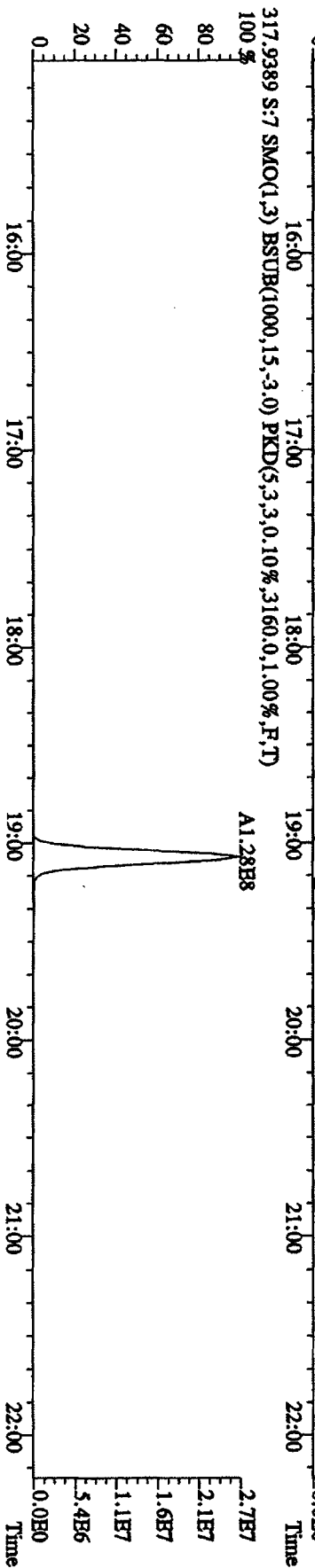
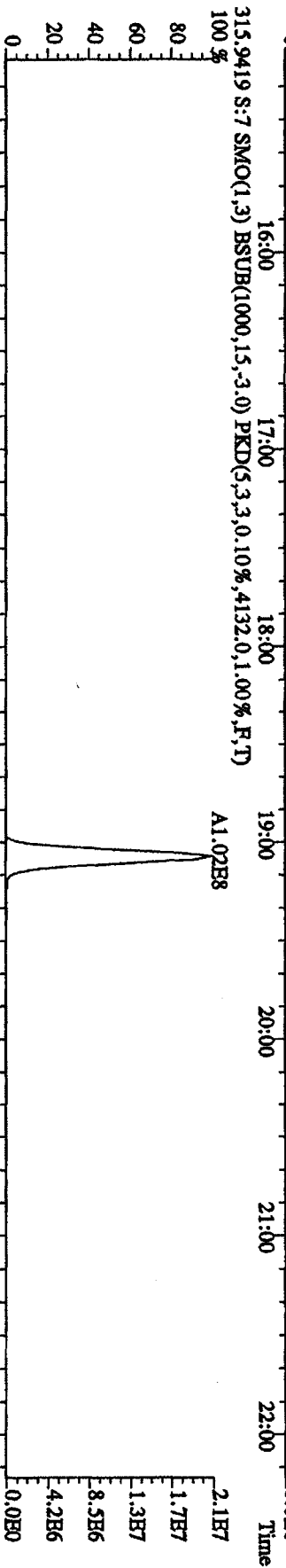
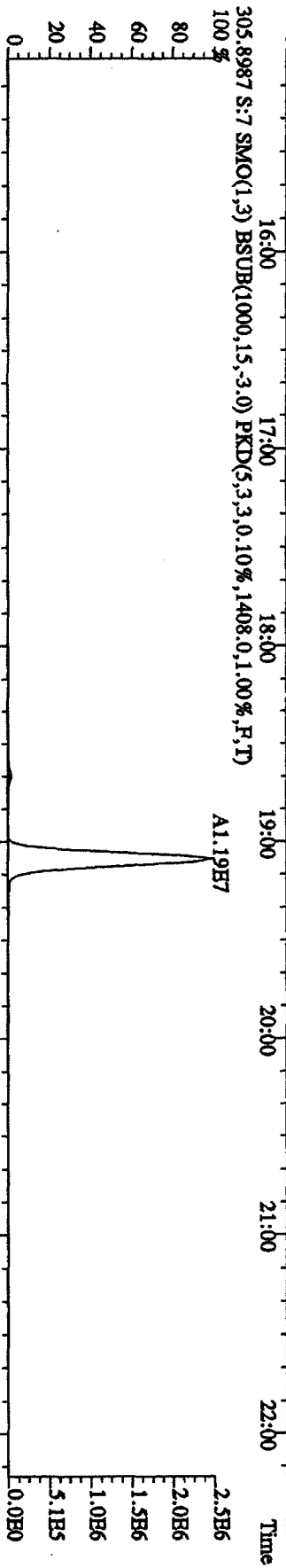
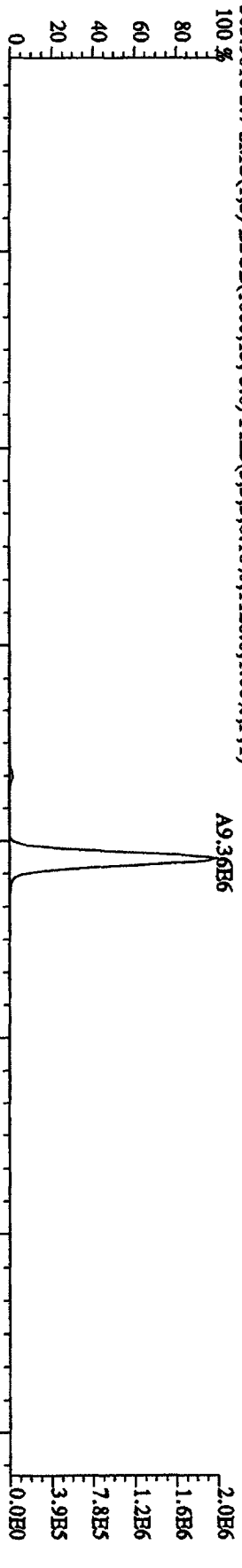
443.7399 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1444,0,1,00%,F,T)



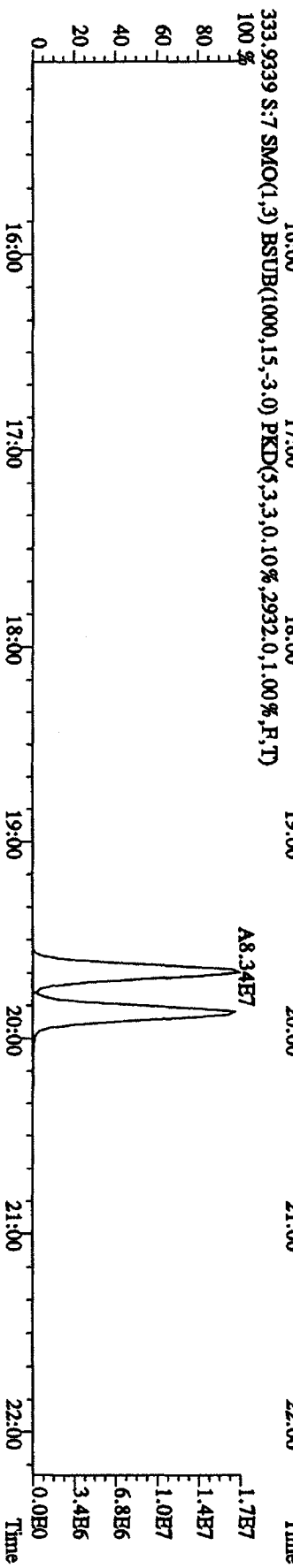
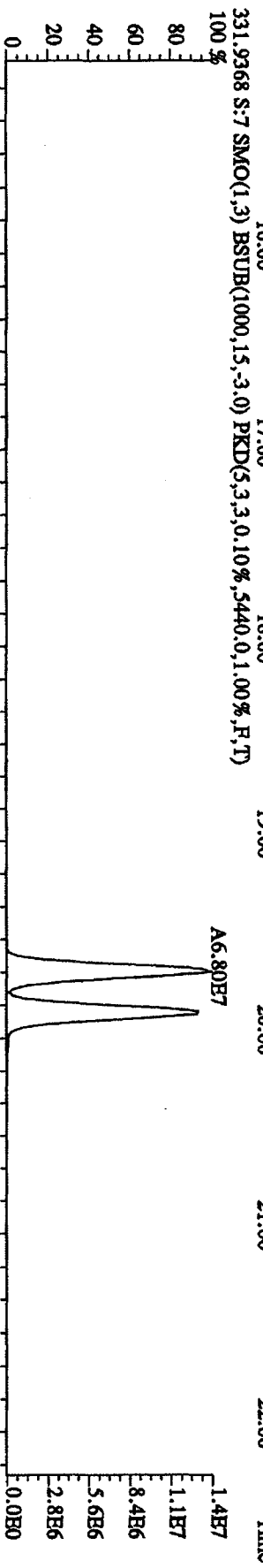
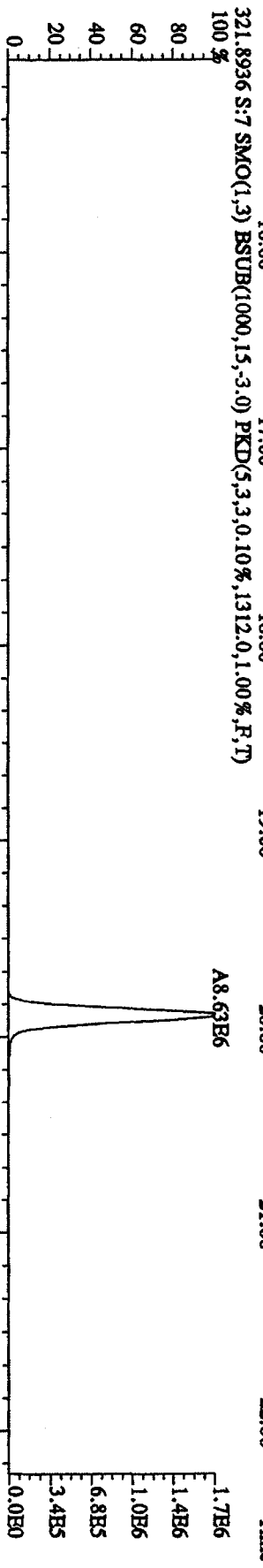
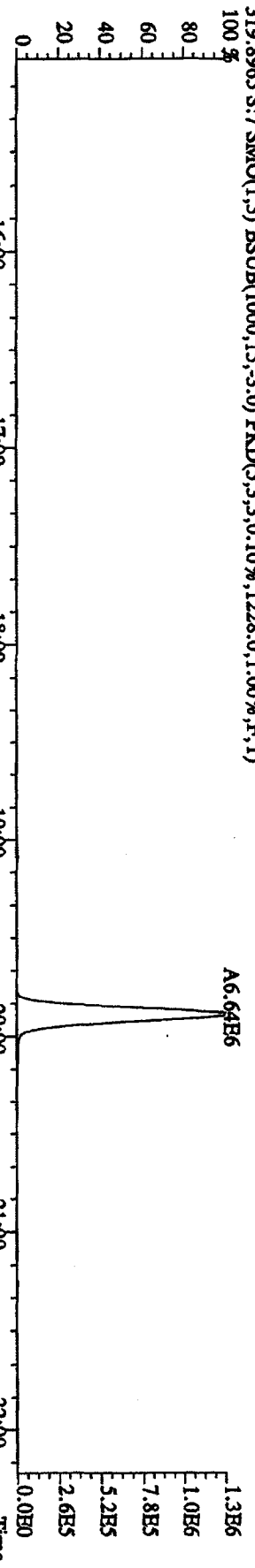
513.6775 F: 5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,5,100,00%,96,0,1,00%,F,T)



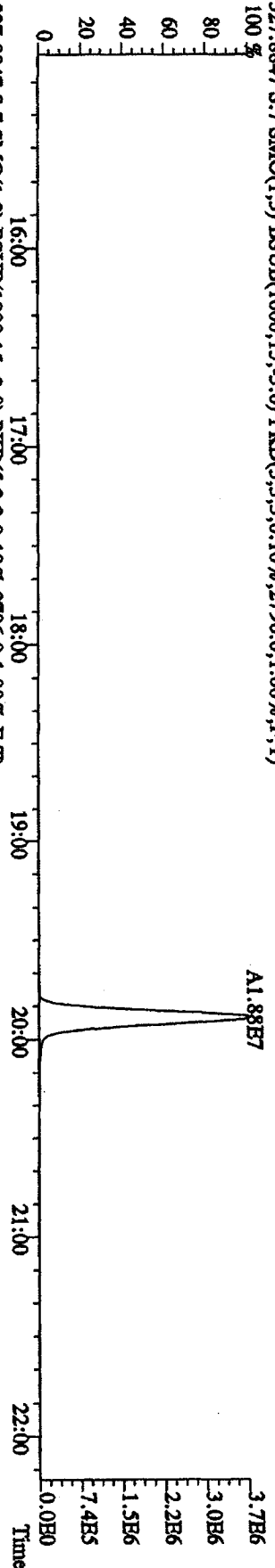
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC HI + Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412B 2nd Source 09DXN449 Exp:DIOXINRES8290A
 303.9016 S:7 SMO(1,3) BSUB(1000,15,3.0) PKD(5,3,3,0.10%,1.128,0,1.00%,F,T)



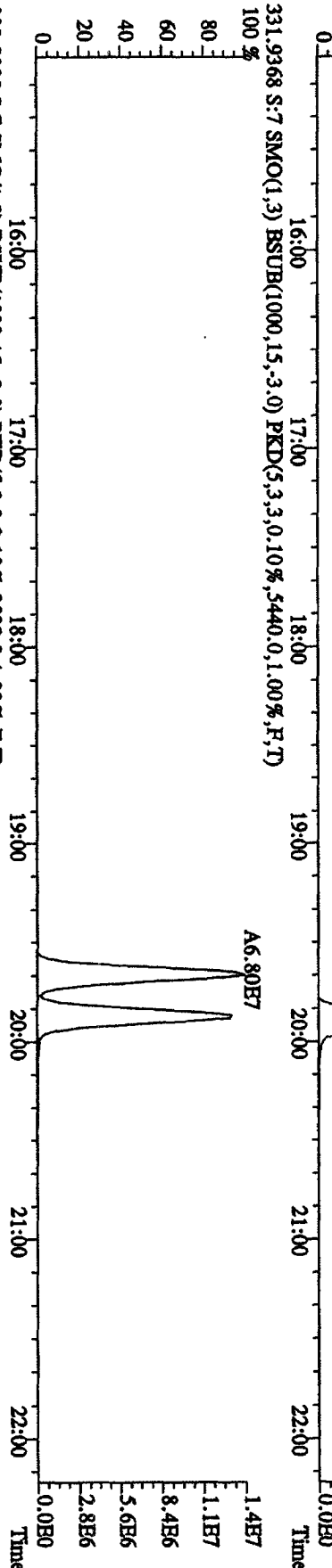
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:ST0412B :2nd Source 09DDXN449 Exp:DIOXINRES8290A
 319.8965 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1228,0,1,00%,F,T)
 100 %



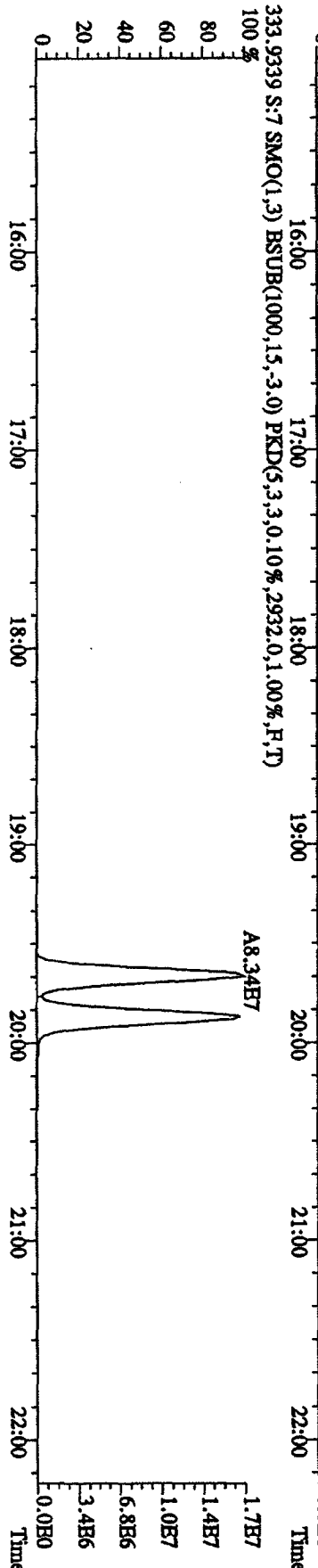
File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI + Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A
 327.8847 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2796.0,1.00%,F,T) 100%



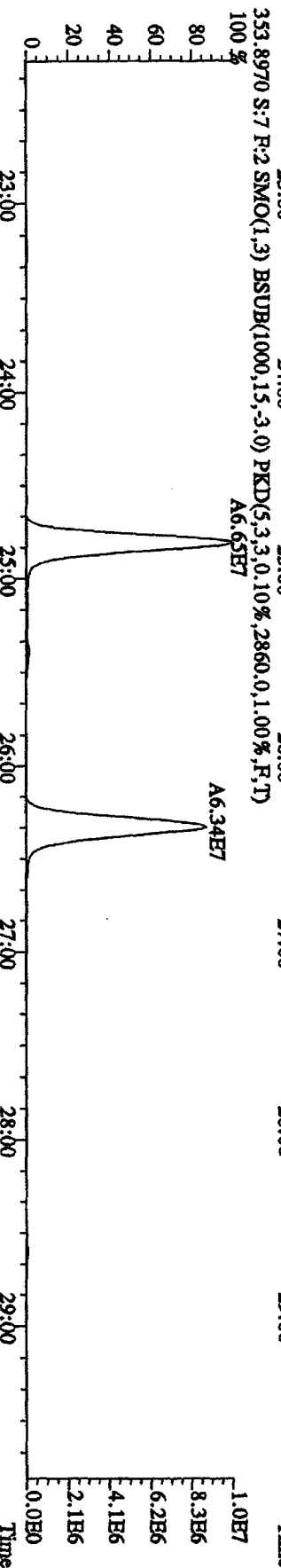
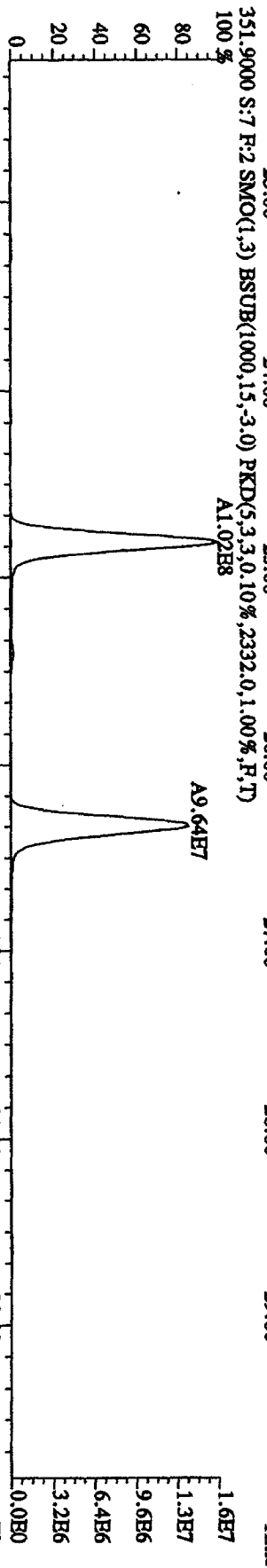
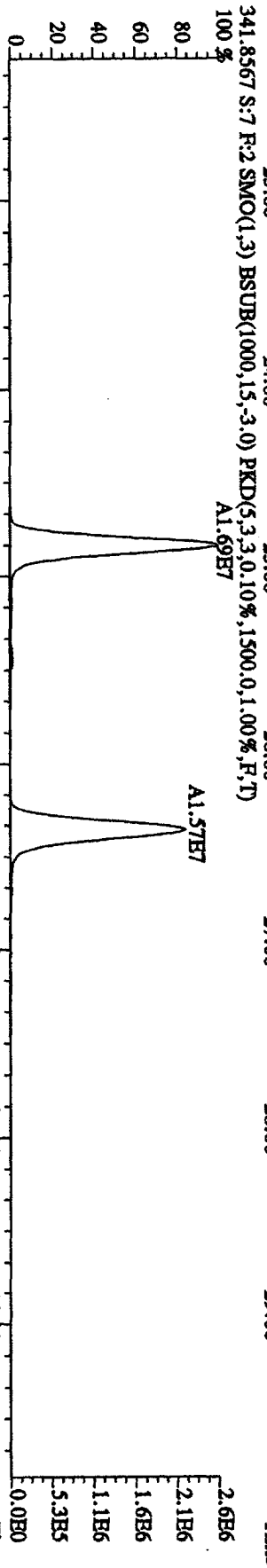
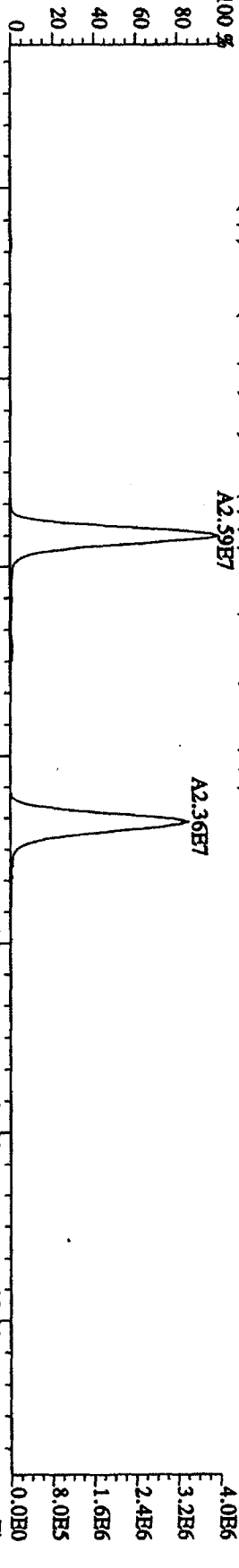
331.9368 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5440.0,1.00%,F,T) 100%



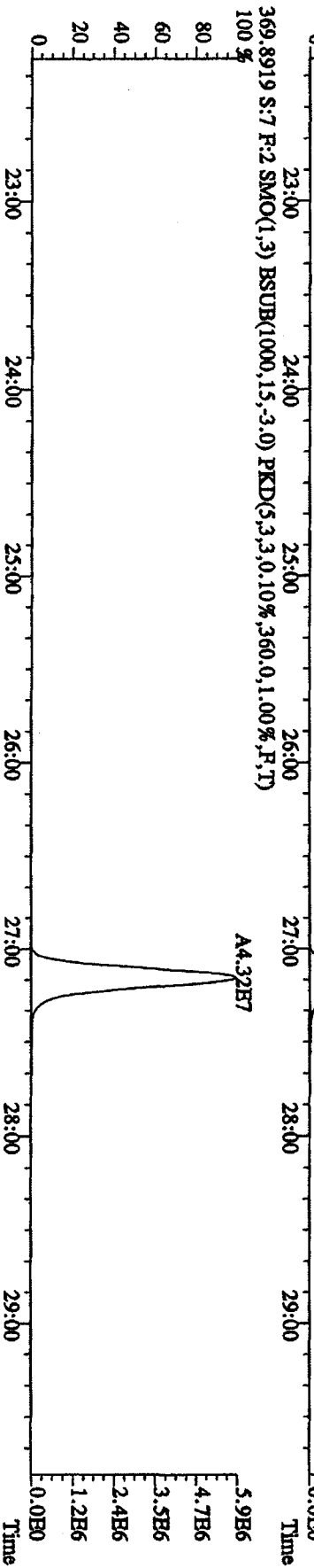
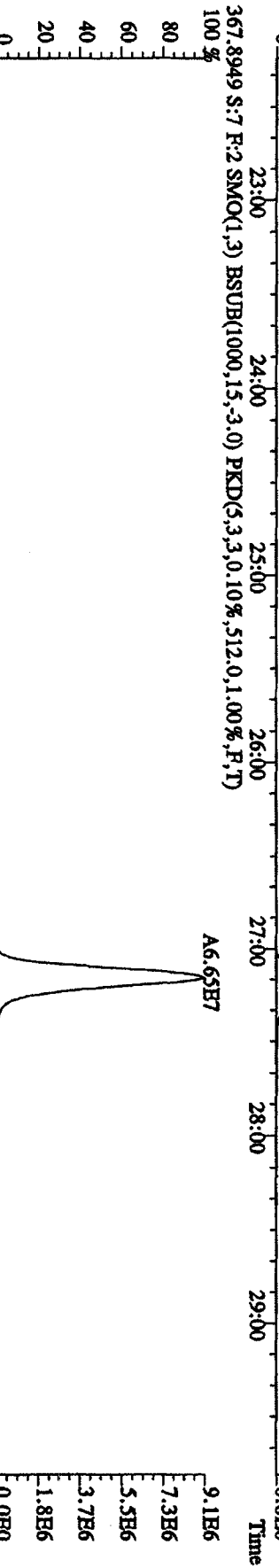
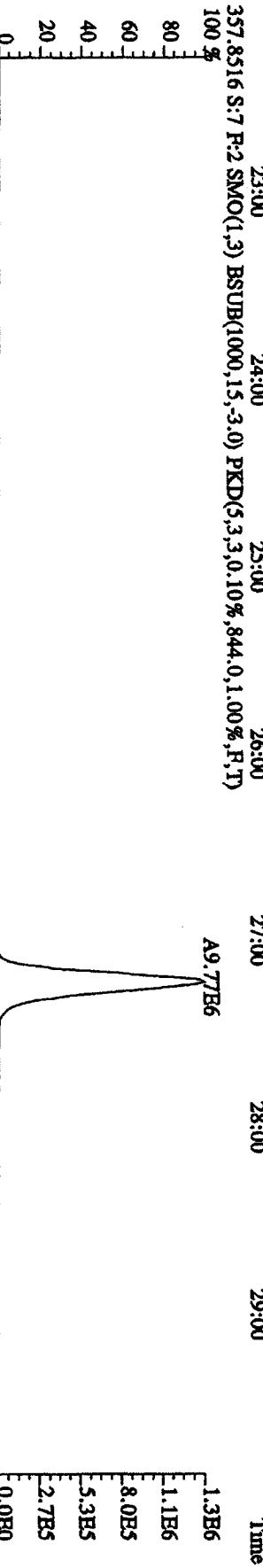
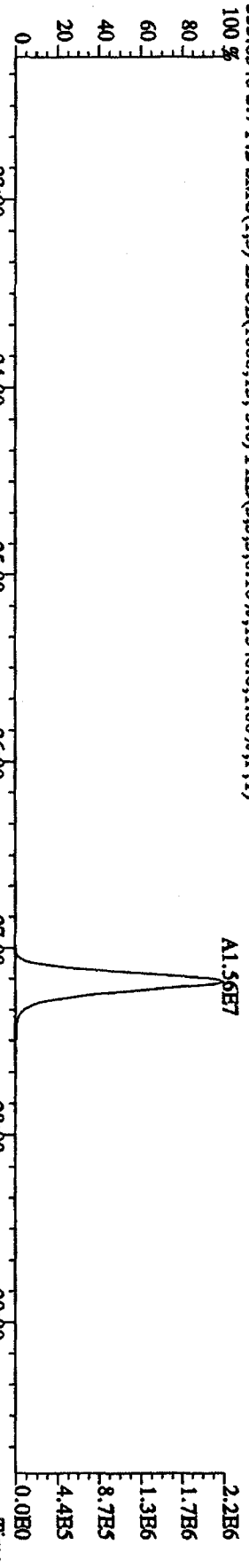
333.9339 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,2932.0,1.00%,F,T) 100%



File:12AP104D5 #1-604 Acq:12-APR-2010 13:00:53 GC HI + Voltage SIR Autospec-UtimaB
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A
 339,8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2008,0,1.00%,F,T)
 100 %



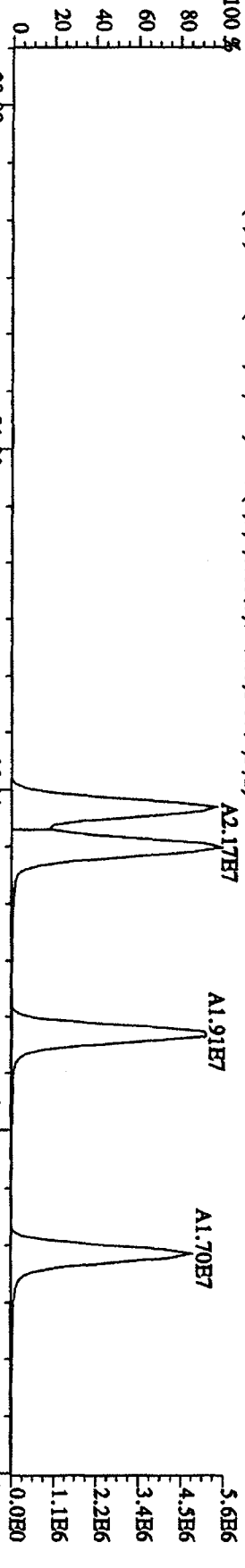
File:12AP104D5 #1-604 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A
 355.8546 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,1548,0,1.00%,F,T)
 100 %



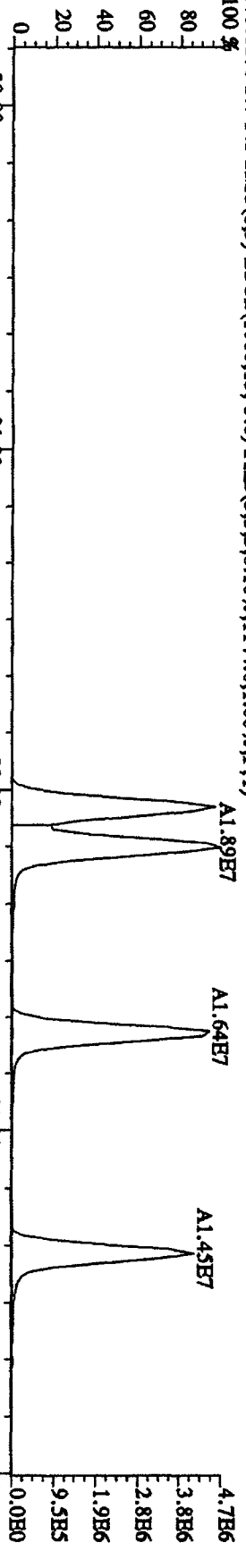
File:12AP104D5 #1-317 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UtimateB

Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A

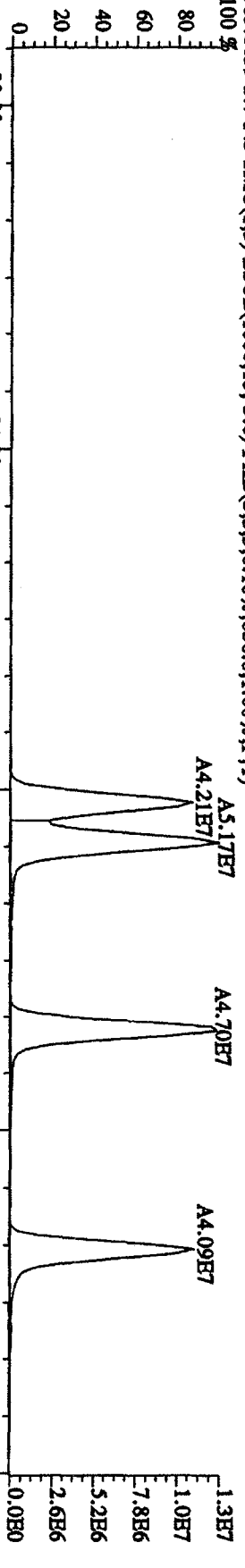
373.8208 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1044.0,1.00%,F,T)



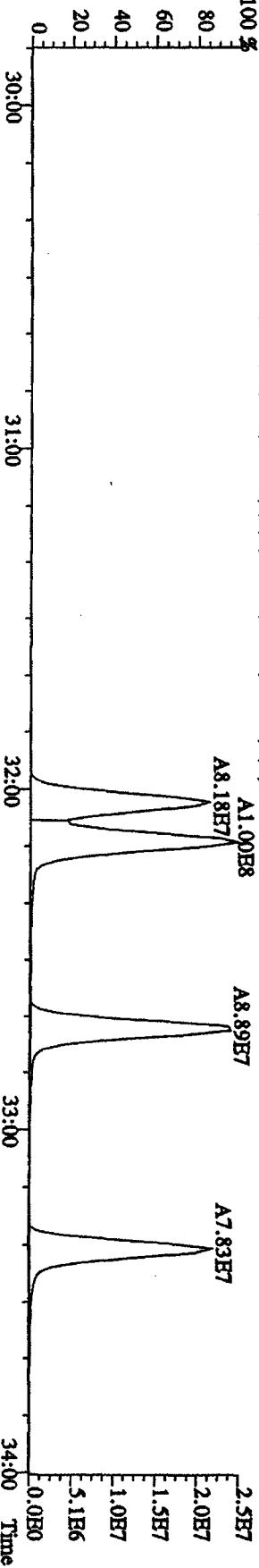
375.8178 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1144.0,1.00%,F,T)



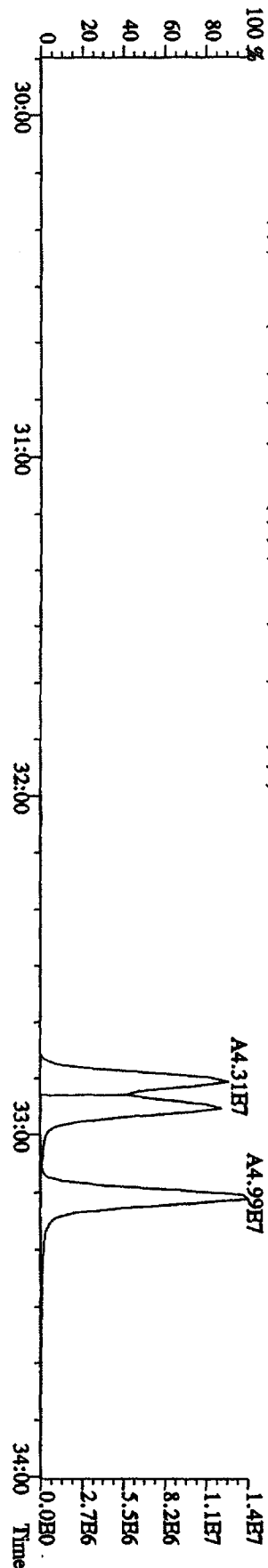
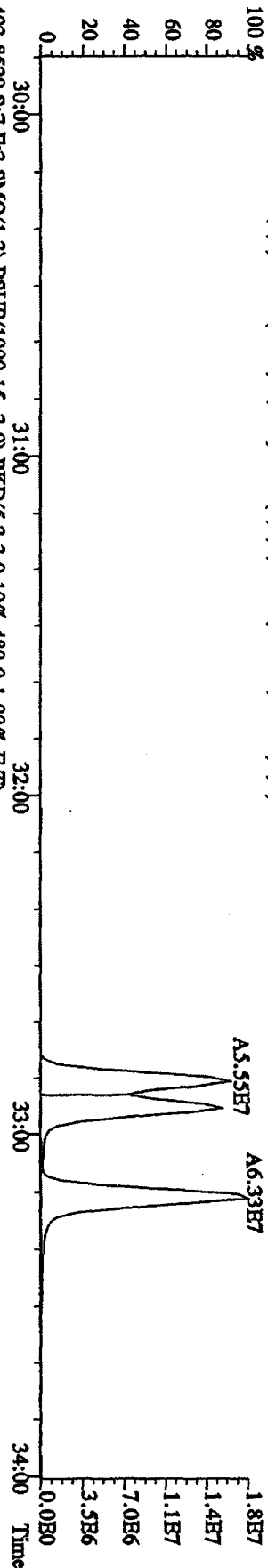
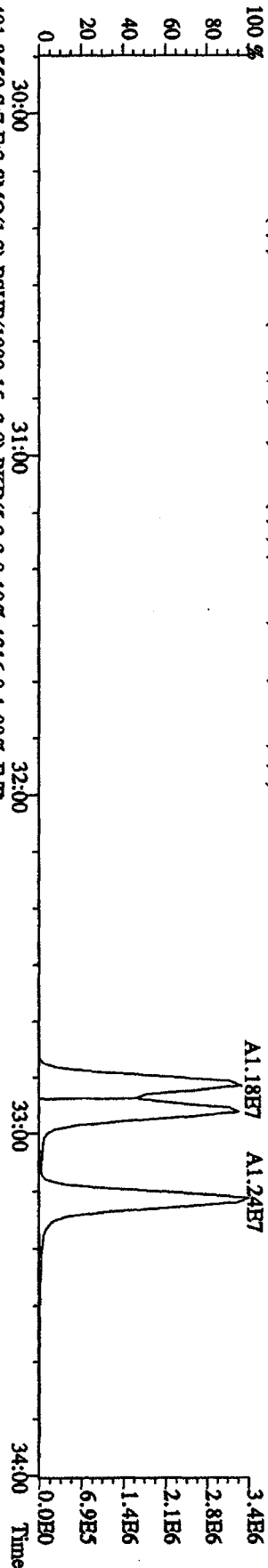
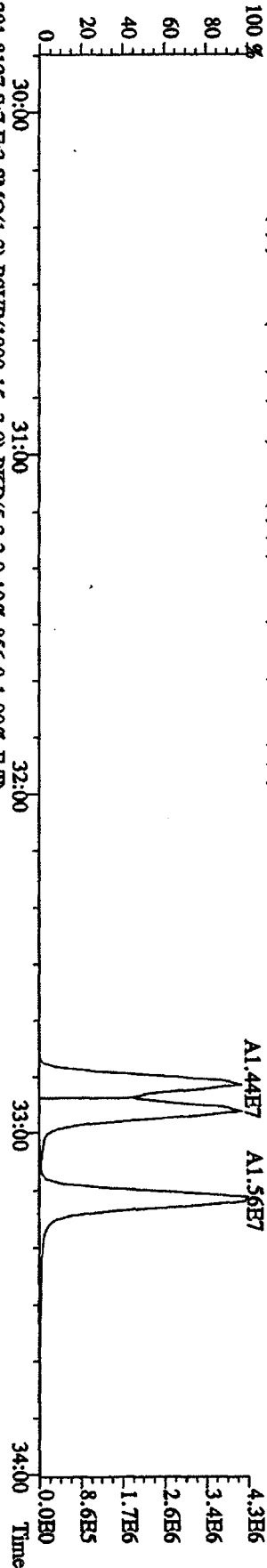
383.8639 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,856.0,1.00%,F,T)

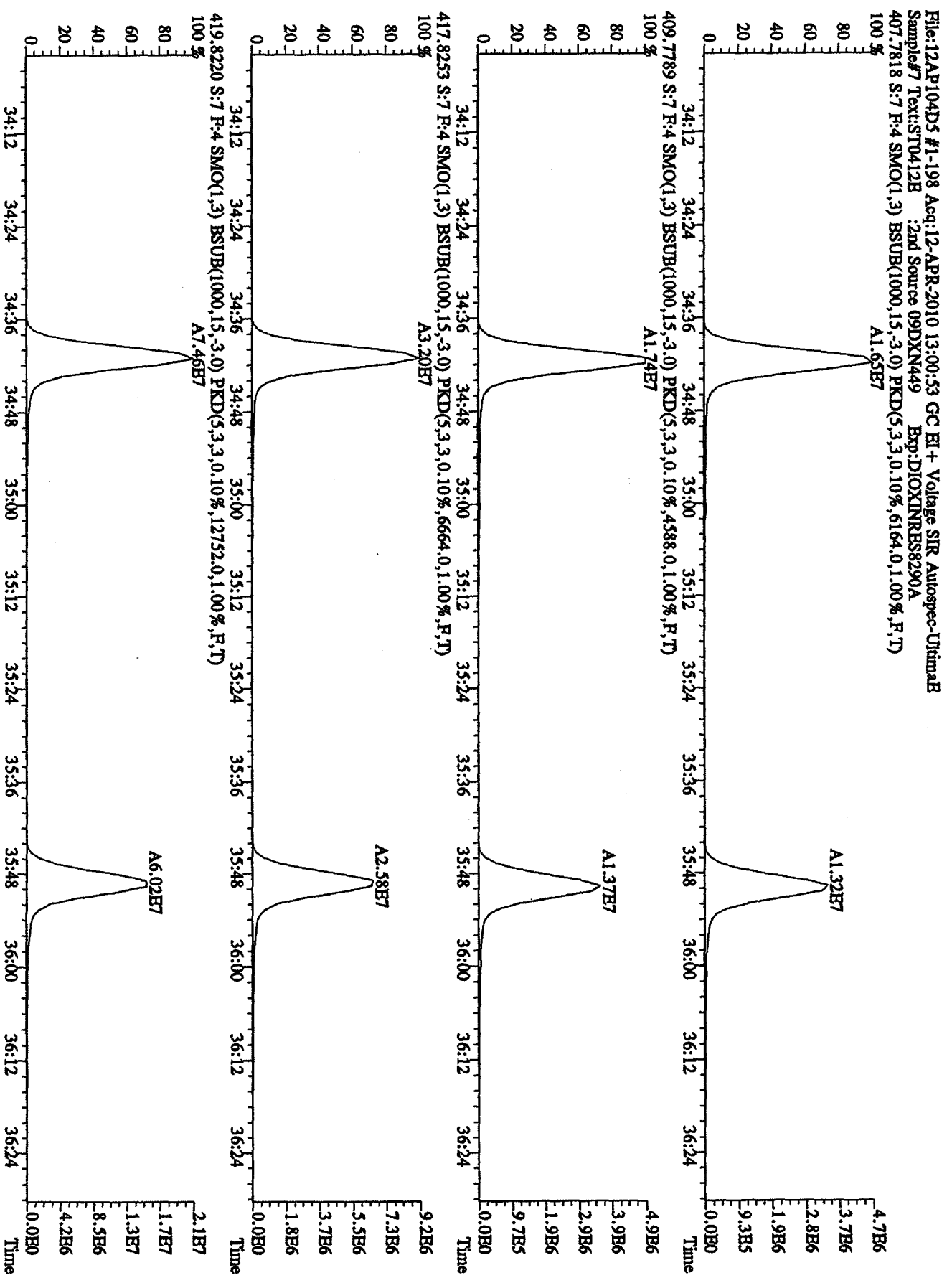


385.8610 S:7 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,364.0,1.00%,F,T)

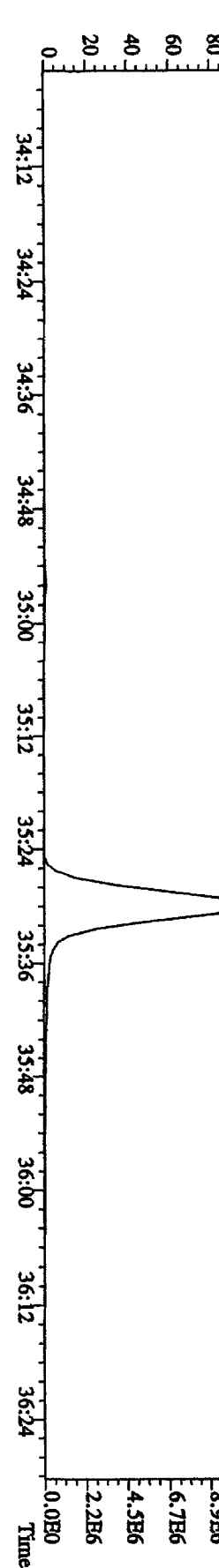
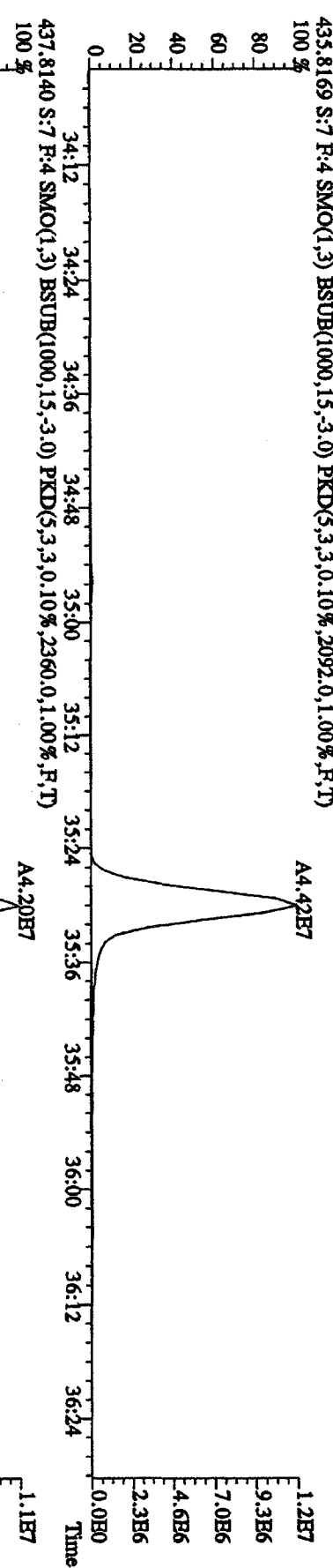
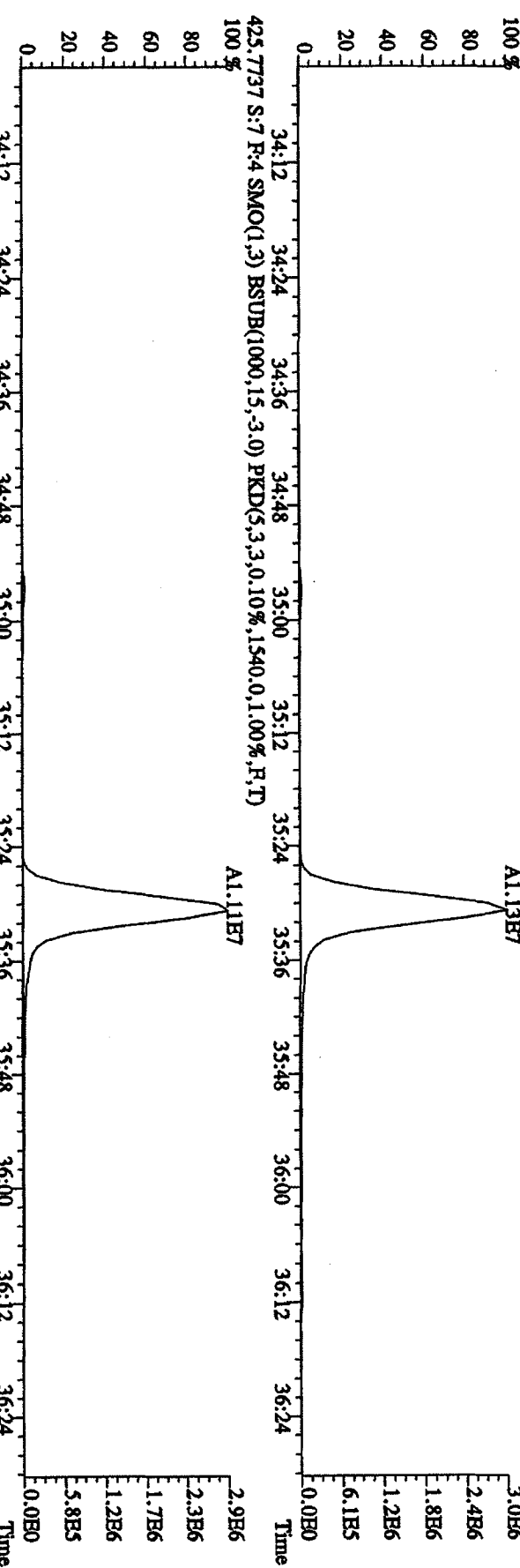


File:12AP104D5 #1-317 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample:#7 Text:ST0412E :2nd Source 09DXN449 Exp:DXOXINRES8290A
 389.8157 S:7 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,956.0,1.00%,F,T)

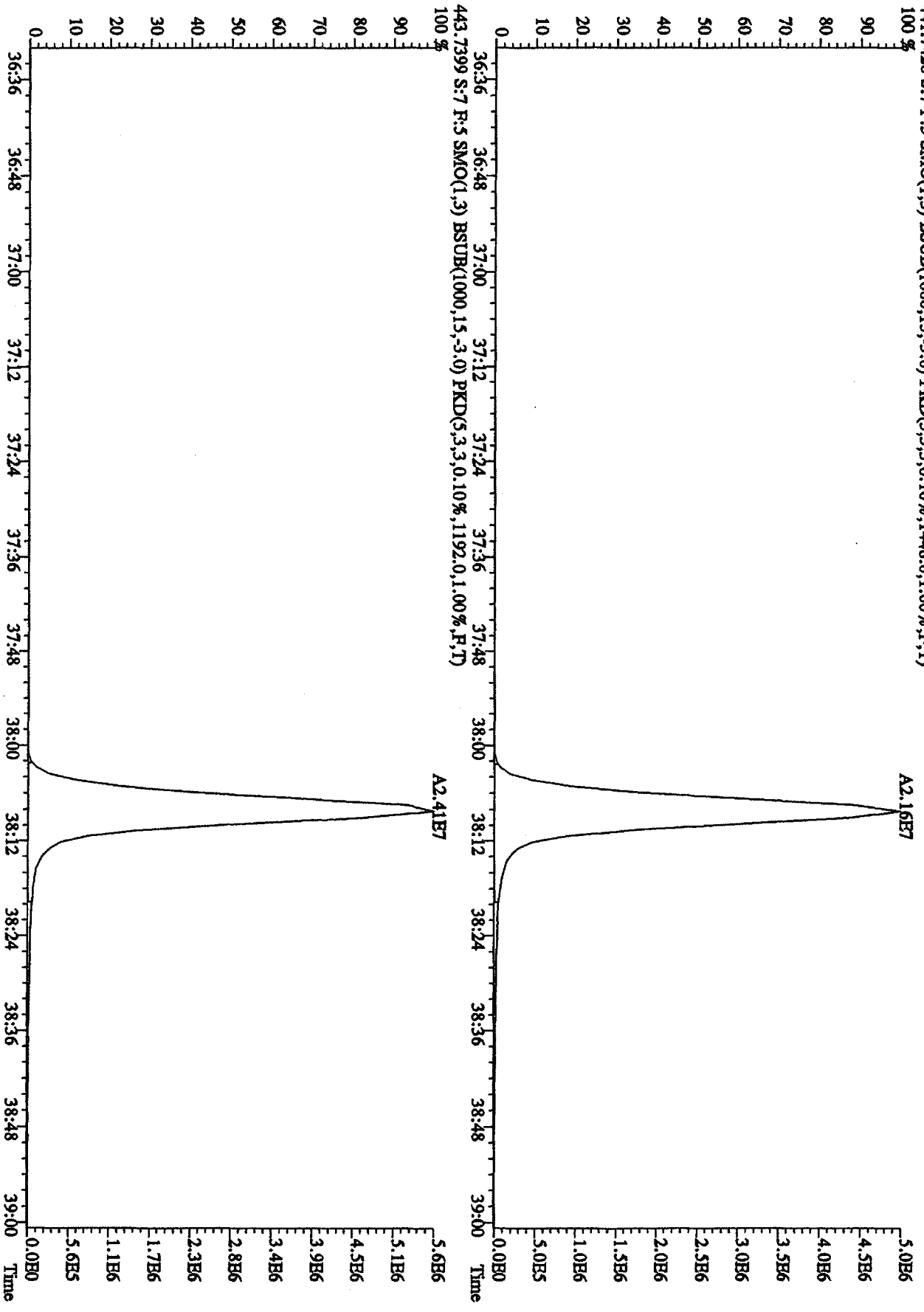




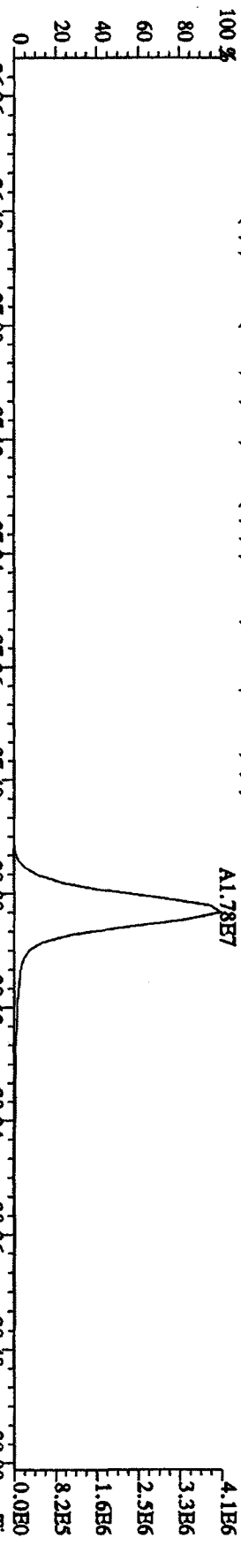
File:12AP104D5 #1-198 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-Ultimate
 Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A
 423.7766 S:7 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2720.0,1.00%,F,T)
 100 %



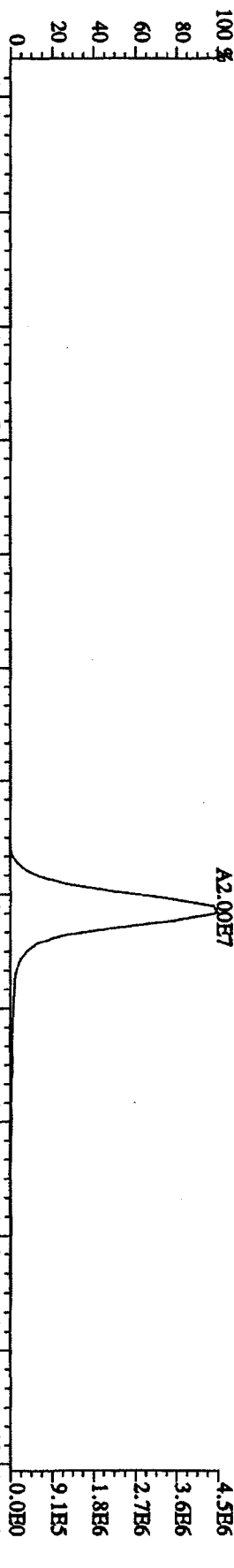
File:12AP104D5 #1-191 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text:ST0412B 2nd Source 09DXN449 Exp:DIOXINRES8290A
 441.7428 S:7 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKID(5,3,3,0.10%,1448.0,1.00%,F,T) 100%



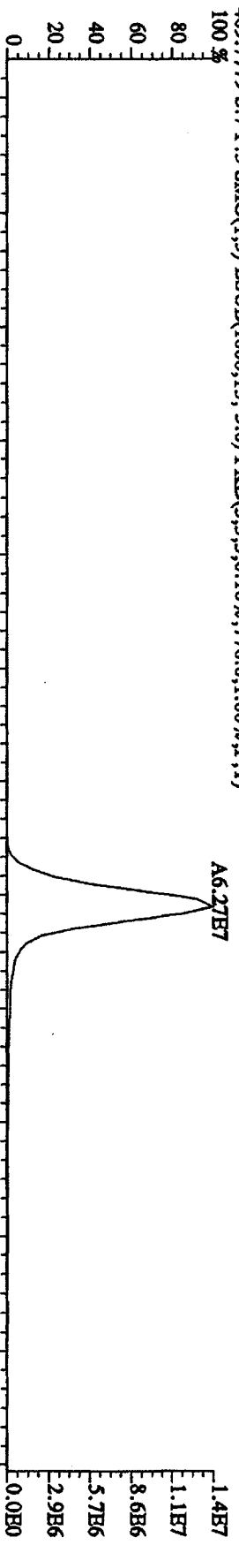
File: 12AP104D5 #1-191 Acq: 12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB
 Sample#7 Text: ST0412B : 2nd Source 09DXN449 Exp: DIOXINRES8290A
 457.7377 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,3196,0,1,00%,F,T)



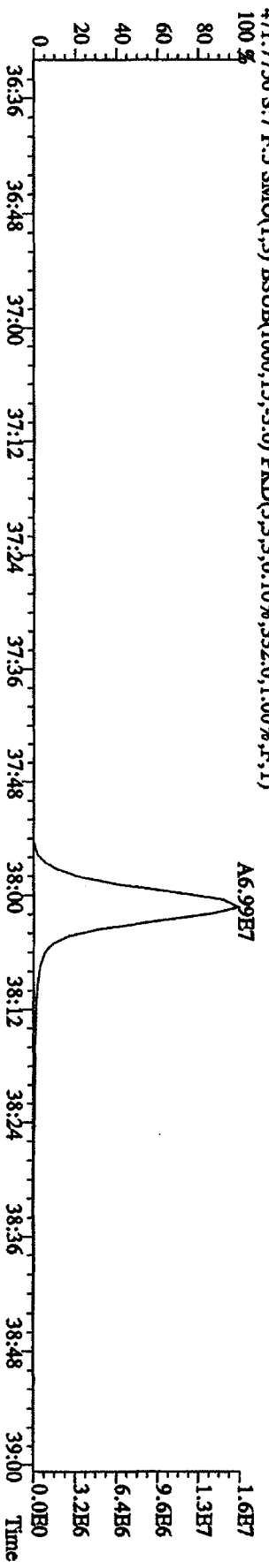
459.7348 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,784,0,1,00%,F,T)



469.7779 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,776,0,1,00%,F,T)



471.7750 S:7 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,332,0,1,00%,F,T)

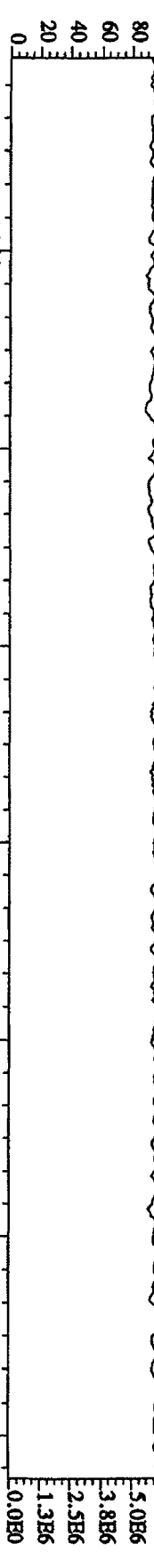


File:12AP104D5 #1-435 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-Ultimate

Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A

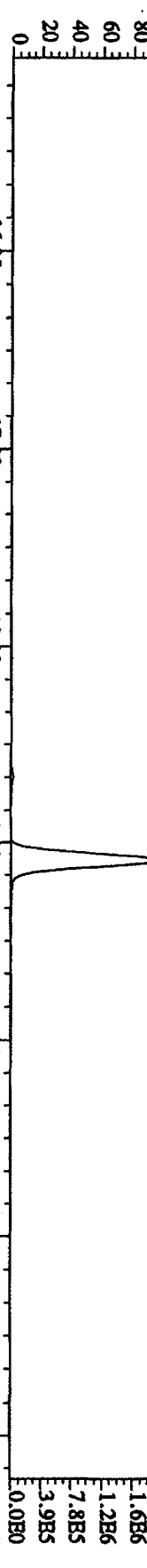
354.9792 S:7 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

100 %15:13 15:36 15:59 16:26 17:06 17:33 18:07 18:56 19:29 20:09 20:39 21:25 21:47



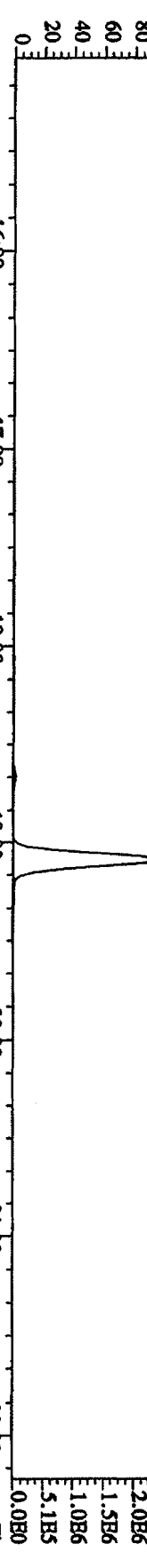
303.9016 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1128,0,1,00%,F,T)

100 % A9.36E6



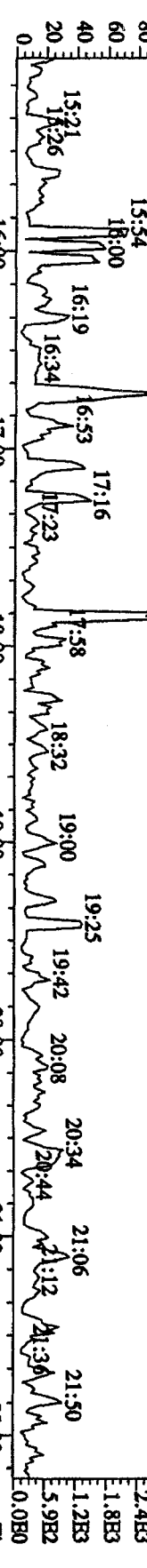
305.8987 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,1408,0,1,00%,F,T)

100 % A1.19E7



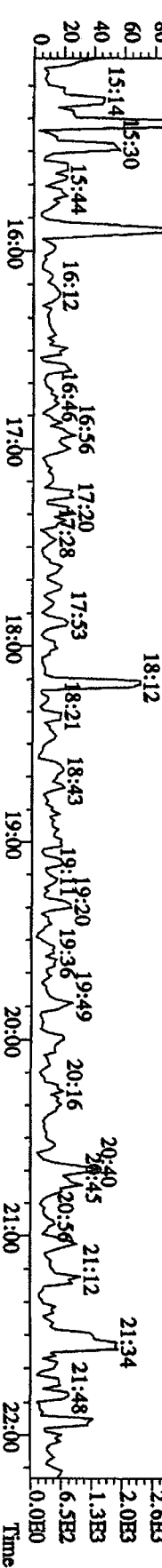
375.8364 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,432,0,1,00%,F,T)

100 % 3.0E3 2.4E3 1.8E3 1.2E3 5.9E2 0.0E0



409.7974 S:7 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100,00%,492,0,1,00%,F,T)

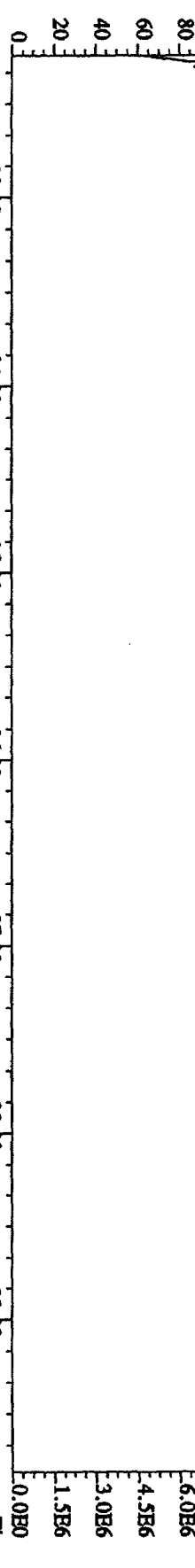
100 % 3.3E3 2.6E3 2.0E3 1.3E3 6.5E2 0.0E0



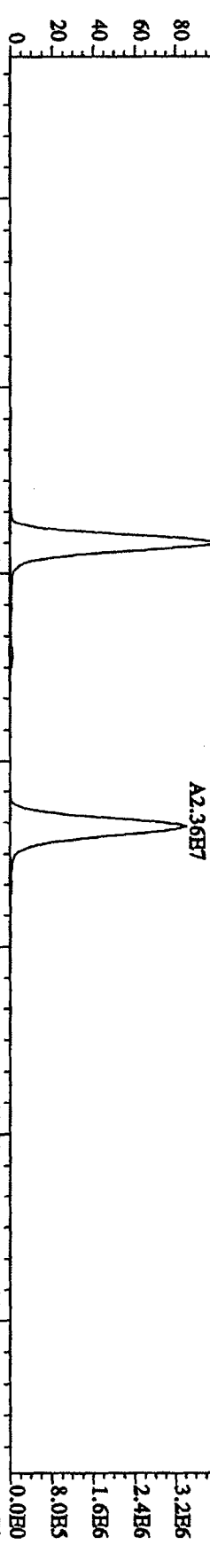
File:12AP104D5 #1-604 Acq:12-APR-2010 13:00:53 GC HI+ Voltage SIR Autospec-UltimaB

Sample#7 Text:ST0412B :2nd Source 09DXN449 Exp:DIOXINRES8290A

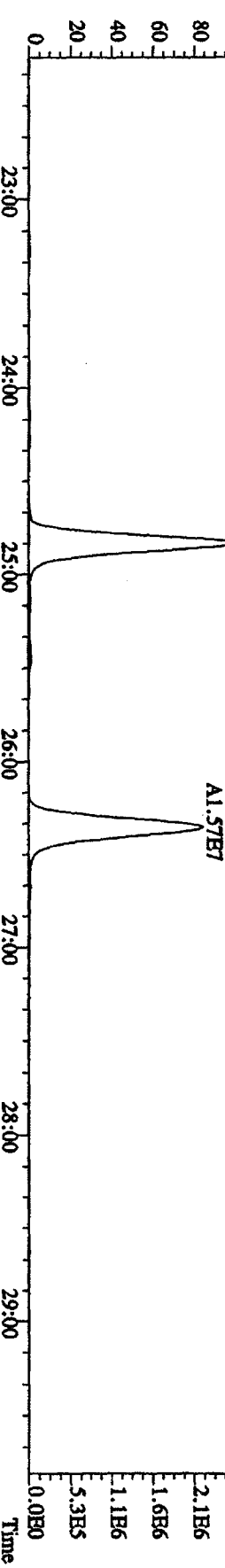
354.9792 S:7 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 22:44 23:07 23:31 24:07 24:41 25:27 25:31 26:29 26:54 27:19 27:44 28:22 28:46 29:16



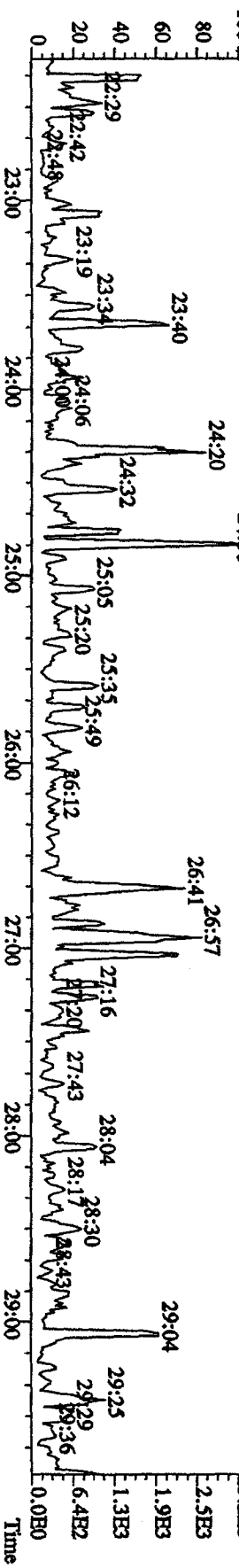
339.8597 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,2008.0,1.00%,F,T) 23:00 24:00 25:00 26:00 27:00 28:00 29:00



341.8567 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,1500.0,1.00%,F,T) 23:00 24:00 25:00 26:00 27:00 28:00 29:00



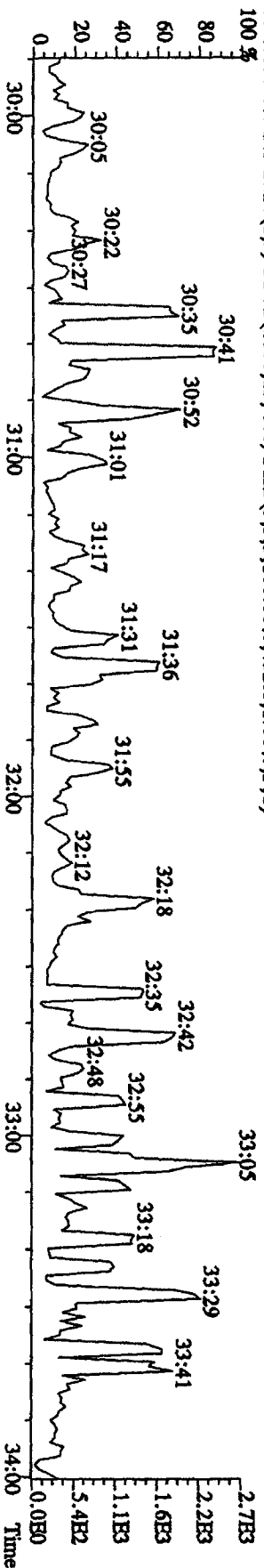
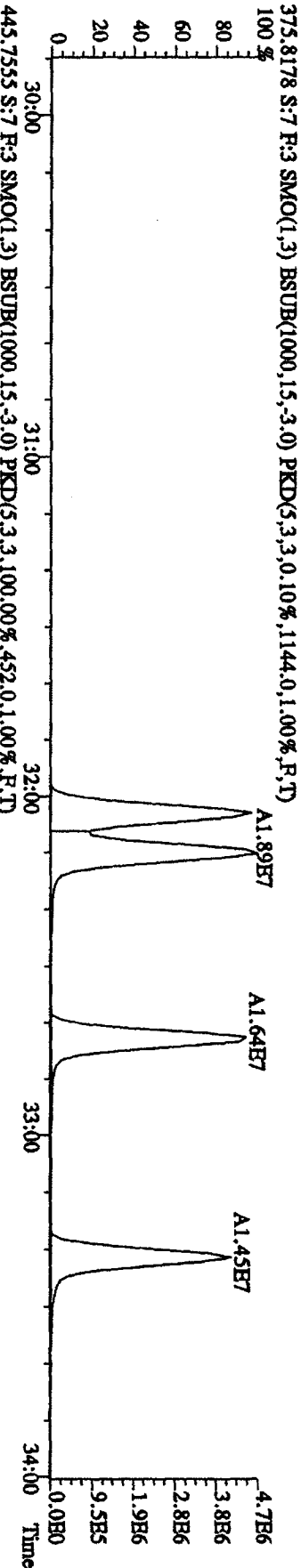
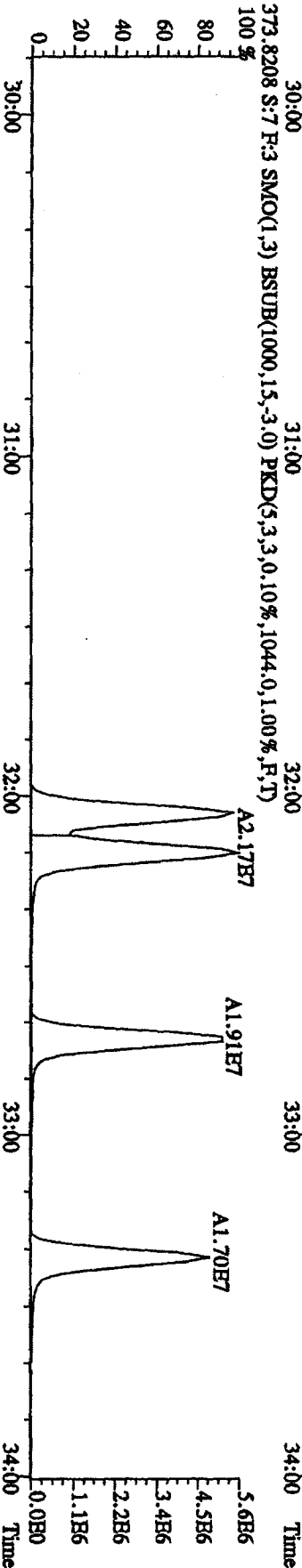
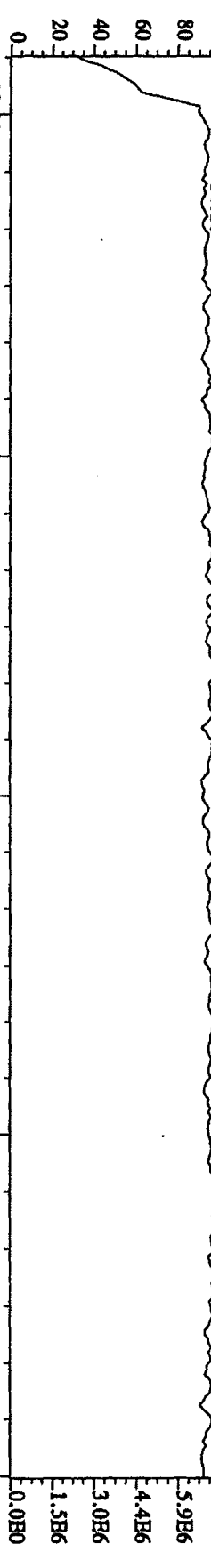
409.7974 S:7 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,416.0,1.00%,F,T) 23:00 24:00 25:00 26:00 27:00 28:00 29:00



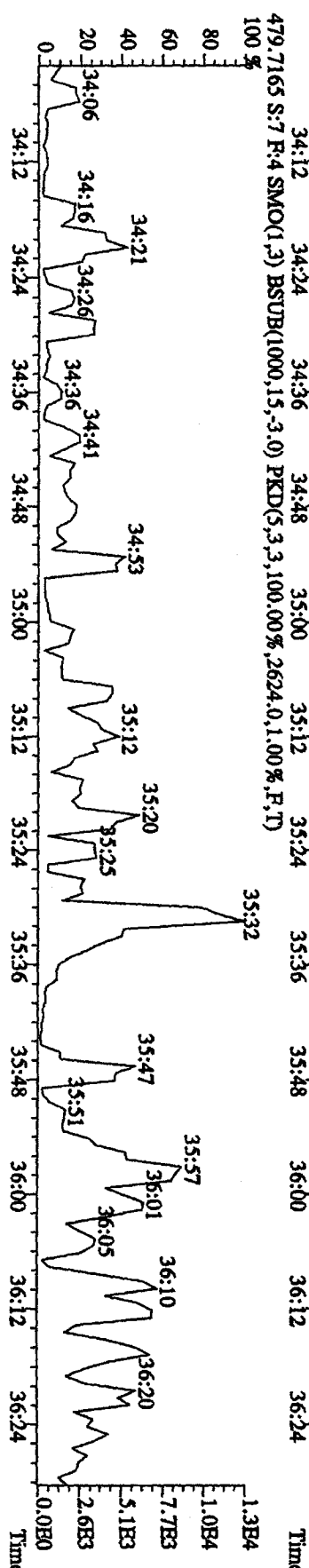
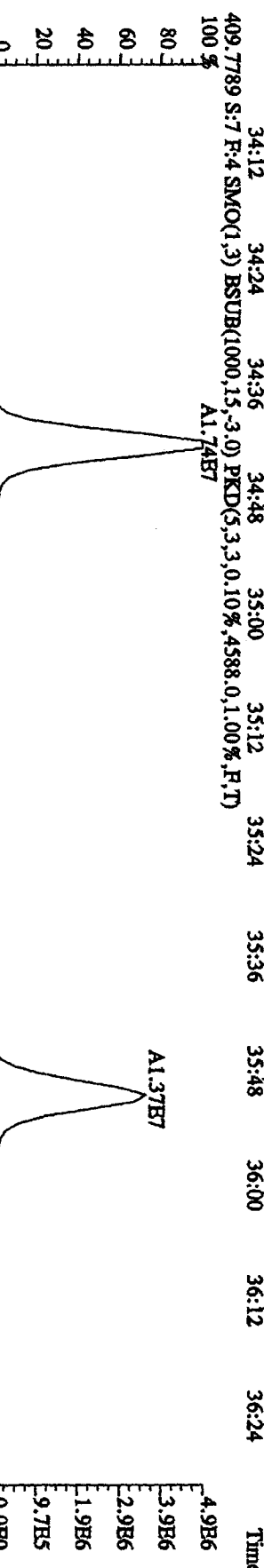
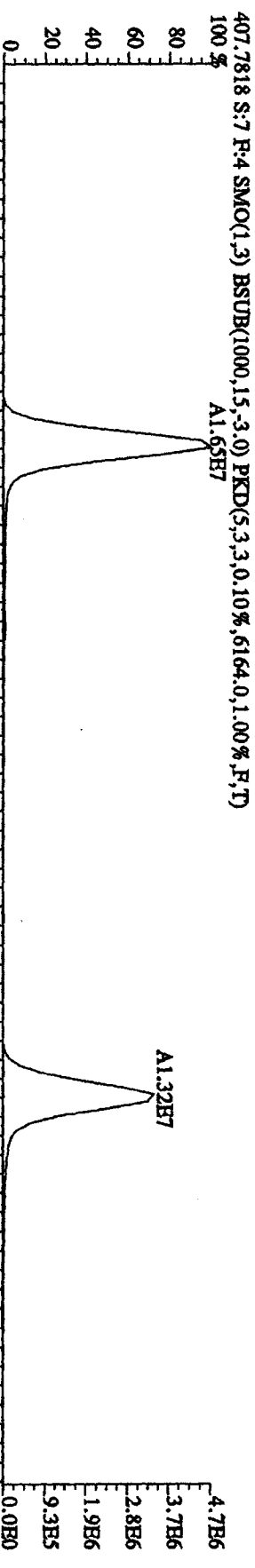
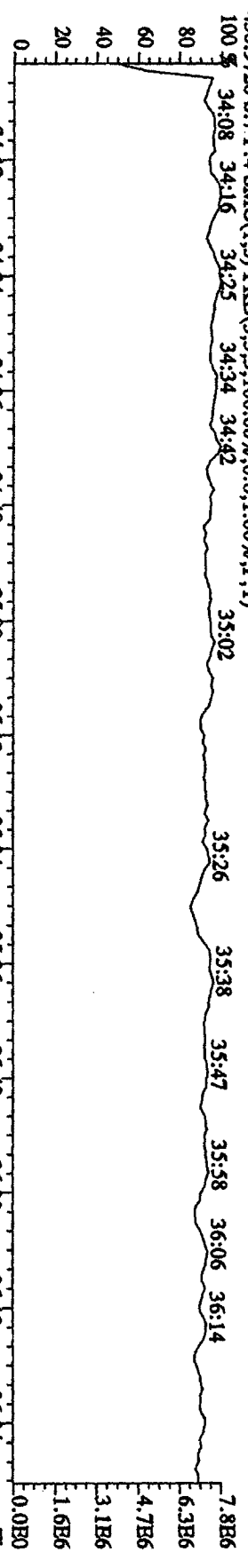
File:12AP104D5 #1-317 Acq:12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaB

Sample:#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIKXINRES8290A

430.9728 S:7 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



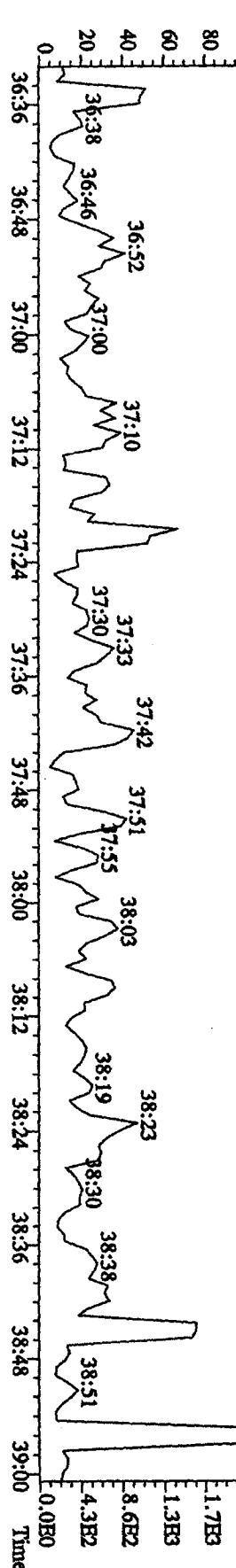
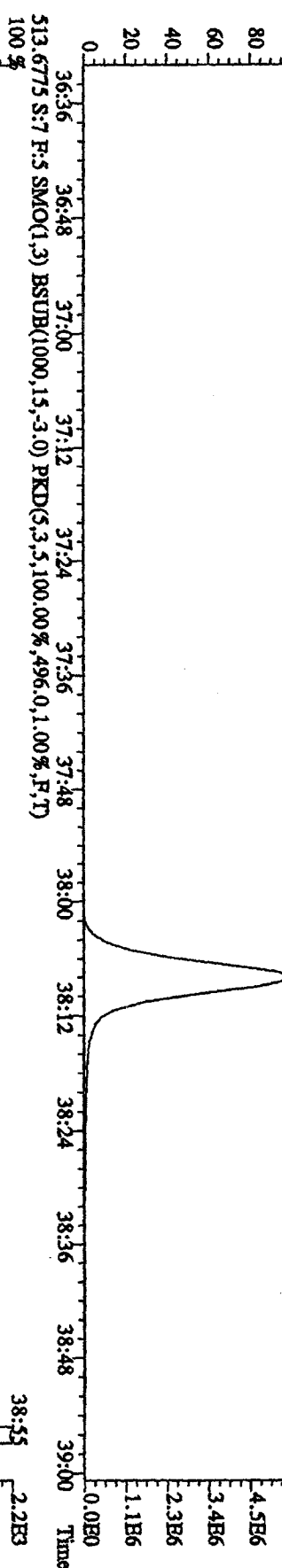
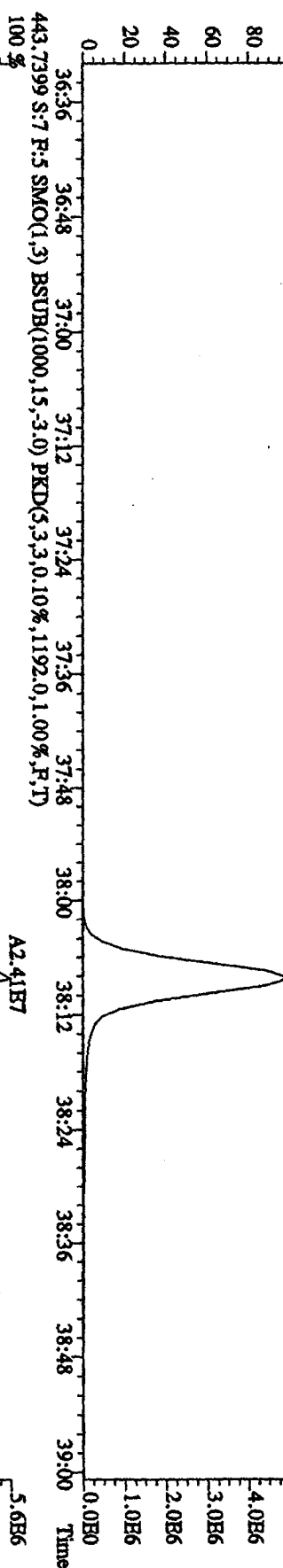
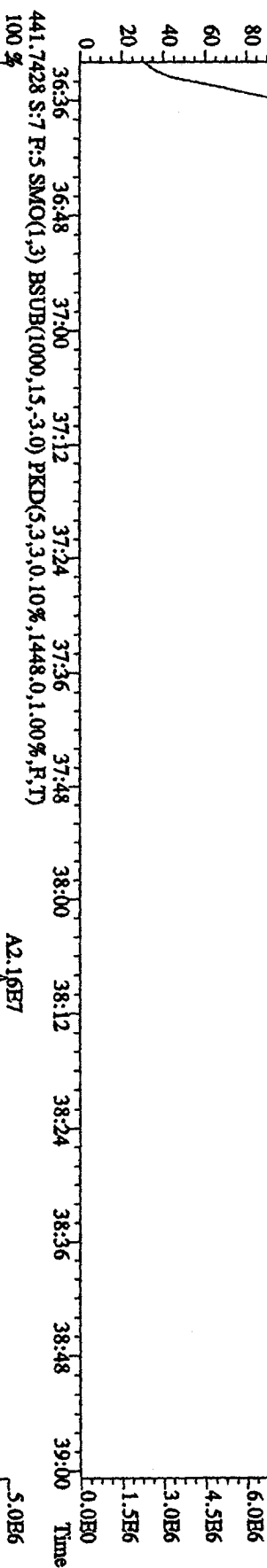
File: 12AP104D5 #1-198 Acq: 12-APR-2010 13:00:53 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 Text: ST0412B 2nd Source 09DYK449 Exp: DIOXINRES8290A



File:12AP104D5 #1-191 Acq:12-APR-2010 13:00:53 GC HI + Voltage SIR Autospec-UltimaB

Sample#7 Text:ST0412E :2nd Source 09DXN449 Exp:DIOXINRES8290A

442.9728 S:7 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 100% 36:36 36:52 37:05 37:17 37:33 37:45 37:56 38:05 38:15 38:25 38:33 38:46 38:54 7.5B6



Initial Calibration Checklist
Dioxin Methods

ICAL ID (8290, 1613, T09, 23, 0023A, TETRAS) 123109105

Method ID 8290, 1613B, T09, 23, 0023A Date Scanned 01/11/10

Column ID DB5 Instrument ID 105

STD ID's ST1231(B,C,D,E,F) STD Solution 09DXN(422, 423, 425, 426, 456)

GC Program OCDD Multiplier Setting 270

Analyzed By A.M. Date Analyzed 12/31/09, 1/1/10 ^{MS} 1/4/10

Prepared By M.G. Date Prepared 1/4/10

Reviewed By JRB Date Reviewed 1/4/10

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?	✓	✓

COMMENTS:

CS3 Retention Times: 13C-1,2,3,4-TCDD 18:40
13C-1,2,3,7,8,9-HxCDD 32:49

*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

ST1231B : CS-1 09DXN422 ST1231C : CS-2 09DXN423 ST1231D : CS-3 09DXN425
 ST1231E : CS-4 09DXN426 ST1231F : CS-5 09DXN456

31DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D531DE09A1D5

Name	Mean	S. D.	%RSD	RRF1	RRF2	RRF3	RRF4	RRF5
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-
13C-2,3,7,8-TCDF	1.566	0.079	5.03 %	1.52	1.48	1.64	1.53	1.66
2,3,7,8-TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
Total TCDF	0.860	0.090	10.4 %	0.77	0.77	0.87	0.91	0.98
13C-2,3,7,8-TCDD	0.993	0.079	7.91 %	0.93	0.93	1.01	0.97	1.12
2,3,7,8-TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
Total TCDD	0.934	0.120	12.9 %	0.86	0.77	0.95	1.01	1.07
37Cl-2,3,7,8-TCDD	2.218	0.347	15.7 %	2.02	1.82	2.18	2.33	2.74
13C-1,2,3,7,8-PeCDF	1.073	0.114	10.6 %	1.00	0.98	1.09	1.03	1.26
1,2,3,7,8-PeCDF	1.000	0.119	11.9 %	0.85	0.90	1.04	1.10	1.11
2,3,4,7,8-PeCDF	0.939	0.122	13.0 %	0.79	0.84	0.97	1.05	1.05
Total F2 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
Total F1 PeCDF	0.969	0.120	12.4 %	0.82	0.87	1.01	1.08	1.08
13C-1,2,3,7,8-PeCDD	0.666	0.081	12.1 %	0.61	0.59	0.67	0.67	0.80
1,2,3,7,8-PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
Total PeCDD	0.929	0.127	13.7 %	0.79	0.81	0.94	1.04	1.06
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-
13C-1,2,3,4,7,8-HxCDF	0.893	0.084	9.37 %	0.98	0.88	0.90	0.76	0.94
1,2,3,4,7,8-HxCDF	1.199	0.171	14.2 %	0.96	1.08	1.31	1.33	1.32
1,2,3,6,7,8-HxCDF	1.371	0.160	11.7 %	1.12	1.30	1.48	1.51	1.45
2,3,4,6,7,8-HxCDF	1.242	0.152	12.3 %	1.02	1.15	1.32	1.36	1.36
1,2,3,7,8,9-HxCDF	1.326	0.218	16.4 %	1.02	1.19	1.44	1.57	1.42
Total HxCDF	1.285	0.174	13.5 %	1.03	1.18	1.39	1.44	1.38
13C-1,2,3,6,7,8-HxCDD	0.732	0.084	11.4 %	0.83	0.69	0.75	0.61	0.78
1,2,3,4,7,8-HxCDD	0.970	0.170	17.5 %	0.74	0.88	0.98	1.15	1.11

1,2,3,6,7,8-HxCDD	1.058	0.118	11.2 %	0.88	1.01	1.09	1.16	1.15
1,2,3,7,8,9-HxCDD	1.275	0.243	19.0 %	0.92	1.19	1.33	1.57	1.37
Total HxCDD	1.101	0.175	15.9 %	0.84	1.02	1.14	1.30	1.21
13C-1,2,3,4,6,7,8-HpCDF	0.860	0.055	6.38 %	0.92	0.85	0.88	0.78	0.88
1,2,3,4,6,7,8-HpCDF	1.287	0.138	10.8 %	1.10	1.18	1.34	1.41	1.40
1,2,3,4,7,8,9-HpCDF	1.135	0.151	13.3 %	0.95	1.00	1.19	1.27	1.27
Total HpCDF	1.211	0.145	11.9 %	1.02	1.09	1.27	1.34	1.33
13C-1,2,3,4,6,7,8-HpCDD	0.752	0.046	6.08 %	0.80	0.74	0.75	0.68	0.79
1,2,3,4,6,7,8-HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
Total HpCDD	0.998	0.122	12.2 %	0.85	0.88	1.05	1.10	1.10
13C-OCDD	0.564	0.039	6.86 %	0.58	0.54	0.57	0.51	0.61
OCDF	1.437	0.202	14.1 %	1.16	1.30	1.52	1.63	1.59
OCDD	1.110	0.128	11.5 %	0.96	0.98	1.16	1.23	1.22

Run #1 Filename 31DE09A1D5 S: 2 I: 1
 Acquired: 1-JAN-10 00:09:07 Processed: 4-JAN-10 07:30:47
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

Comments:

Sample text: ST1231B :CS-1 09DXN422

Name	Resp	RA	RT	RRF	Mod?
13C-1,2,3,4-TCDD	326815000	0.81 y	18:42	-	100.00 n
13C-2,3,7,8-TCDF	495192000	0.78 y	18:09	1.52	100.00 n
2,3,7,8-TCDF	1909491	0.78 y	18:09	0.77	0.50 n
Total TCDF	-	- n	-	0.77	0.50 n
13C-2,3,7,8-TCDD	305230000	0.80 y	18:53	0.93	100.00 n
2,3,7,8-TCDD	1317770	0.78 y	18:56	0.86	0.50 n
Total TCDD	-	- n	-	0.86	0.50 n
37Cl-2,3,7,8-TCDD	3295720	1.00 y	18:56	2.02	0.50 n
13C-1,2,3,7,8-PeCDF	327775000	1.60 y	23:32	1.00	100.00 n
1,2,3,7,8-PeCDF	6958190	1.59 y	23:34	0.85	2.50 n
2,3,4,7,8-PeCDF	6434690	1.62 y	24:58	0.79	2.50 n
Total F2 PeCDF	-	- n	-	0.82	5.00 n
Total F1 PeCDF	-	- n	-	0.82	5.00 n
13C-1,2,3,7,8-PeCDD	198162800	1.64 y	25:44	0.61	100.00 n
1,2,3,7,8-PeCDD	3904960	1.46 y	25:45	0.79	2.50 n
Total PeCDD	-	- n	-	0.79	2.50 n
13C-1,2,3,7,8,9-HxCDD	246455000	1.30 y	32:51	-	100.00 n
13C-1,2,3,4,7,8-HxCDF	242322300	0.50 y	31:26	0.98	100.00 n
1,2,3,4,7,8-HxCDF	5809990	1.20 y	31:27	0.96	2.50 n
1,2,3,6,7,8-HxCDF	6810920	1.31 y	31:36	1.12	2.50 n
2,3,4,6,7,8-HxCDF	6178250	1.26 y	32:17	1.02	2.50 n
1,2,3,7,8,9-HxCDF	6177790	1.28 y	33:03	1.02	2.50 n
Total HxCDF	-	- n	-	1.03	10.00 n
13C-1,2,3,6,7,8-HxCDD	204409500	1.28 y	32:32	0.83	100.00 n
1,2,3,4,7,8-HxCDD	3765050	1.19 y	32:27	0.74	2.50 n
1,2,3,6,7,8-HxCDD	4473360	1.33 y	32:33	0.88	2.50 n
1,2,3,7,8,9-HxCDD	4685460	1.26 y	32:52	0.92	2.50 n
Total HxCDD	-	- n	-	0.84	7.50 n
13C-1,2,3,4,6,7,8-HpCDF	227457800	0.43 y	34:35	0.92	100.00 n
1,2,3,4,6,7,8-HpCDF	6254400	1.07 y	34:35	1.10	2.50 n
1,2,3,4,7,8,9-HpCDF	5396380	1.04 y	35:53	0.95	2.50 n
Total HpCDF	-	- n	-	1.02	5.00 n
13C-1,2,3,4,6,7,8-HpCDD	196980400	1.10 y	35:31	0.80	100.00 n
1,2,3,4,6,7,8-HpCDD	4184800	0.97 y	35:31	0.85	2.50 n
Total HpCDD	-	- n	-	0.85	2.50 n
13C-OCDD	287999000	0.90 y	38:18	0.58	200.00 n
OCDF	8341240	0.89 y	38:25	1.16	5.00 n

OCDD 6946490 0.88 y 38:19 0.96 5.00 n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
 Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 07:30:48
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

Comments:

Sample text: ST1231C :CS-2 09DXN423

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	338633000	0.80 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	501872000	0.80 y	18:07	1.48	100.00	n
2,3,7,8-TCDF	7721520	0.76 y	18:08	0.77	2.00	n
Total TCDF	-	- n	-	0.77	2.00	n
13C-2,3,7,8-TCDD	314535000	0.79 y	18:52	0.93	100.00	n
2,3,7,8-TCDD	4841990	0.72 y	18:53	0.77	2.00	n
Total TCDD	-	- n	-	0.77	2.00	n
37Cl-2,3,7,8-TCDD	12349320	1.00 y	18:53	1.82	2.00	n
13C-1,2,3,7,8-PeCDF	332660000	1.64 y	23:31	0.98	100.00	n
1,2,3,7,8-PeCDF	29926900	1.66 y	23:32	0.90	10.00	n
2,3,4,7,8-PeCDF	27858600	1.64 y	24:57	0.84	10.00	n
Total F2 PeCDF	-	- n	-	0.87	20.00	n
Total F1 PeCDF	-	- n	-	0.87	20.00	n
13C-1,2,3,7,8-PeCDD	200944100	1.64 y	25:42	0.59	100.00	n
1,2,3,7,8-PeCDD	16258920	1.63 y	25:44	0.81	10.00	n
Total PeCDD	-	- n	-	0.81	10.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51 y	31:25	0.88	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28 y	31:26	1.08	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	1.30	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	1.15	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	1.19	10.00	n
Total HxCDF	-	- n	-	1.18	40.00	n
13C-1,2,3,6,7,8-HxCDD	187073300	1.31 y	32:31	0.69	100.00	n
1,2,3,4,7,8-HxCDD	16376990	1.27 y	32:26	0.88	10.00	y
1,2,3,6,7,8-HxCDD	18917800	1.35 y	32:32	1.01	10.00	y
1,2,3,7,8,9-HxCDD	22185210	1.30 y	32:51	1.19	10.00	n
Total HxCDD	-	- n	-	1.02	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	229668600	0.43 y	34:34	0.85	100.00	n
1,2,3,4,6,7,8-HpCDF	27134500	1.01 y	34:35	1.18	10.00	n
1,2,3,4,7,8,9-HpCDF	22973600	1.06 y	35:53	1.00	10.00	n
Total HpCDF	-	- n	-	1.09	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	200876100	1.09 y	35:30	0.74	100.00	n
1,2,3,4,6,7,8-HpCDD	17730590	1.07 y	35:31	0.88	10.00	n
Total HpCDD	-	- n	-	0.88	10.00	n
13C-OCDD	295682000	0.89 y	38:18	0.54	200.00	n
OCDF	38310100	0.87 y	38:25	1.30	20.00	n

OCDD 28999100 0.89 y 38:19 0.98 20.00 n

Run #2 Filename 31DE09A1D5 S: 3 I: 1
 Acquired: 1-JAN-10 00:50:55 Processed: 4-JAN-10 07:30:48
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

Comments:

Sample text: ST1231C :CS-2 09DXN423

Name	Resp	RA	RT	RRF	Resp	Mod?
13C-1,2,3,4-TCDD	338633000	0.80 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	501872000	0.80 y	18:07	1.48	100.00	n
2,3,7,8-TCDF	7721520	0.76 y	18:08	0.77	2.00	n
Total TCDF	-	- n	-	0.77	2.00	n
13C-2,3,7,8-TCDD	314535000	0.79 y	18:52	0.93	100.00	n
2,3,7,8-TCDD	4841990	0.72 y	18:53	0.77	2.00	n
Total TCDD	-	- n	-	0.77	2.00	n
37Cl-2,3,7,8-TCDD	12349320	1.00 y	18:53	1.82	2.00	n
13C-1,2,3,7,8-PeCDF	332660000	1.64 y	23:31	0.98	100.00	n
1,2,3,7,8-PeCDF	29926900	1.66 y	23:32	0.90	10.00	n
2,3,4,7,8-PeCDF	27858600	1.64 y	24:57	0.84	10.00	n
Total F2 PeCDF	-	- n	-	0.87	20.00	n
Total F1 PeCDF	-	- n	-	0.87	20.00	n
13C-1,2,3,7,8-PeCDD	200944100	1.64 y	25:42	0.59	100.00	n
1,2,3,7,8-PeCDD	16258920	1.63 y	25:44	0.81	10.00	n
Total PeCDD	-	- n	-	0.81	10.00	n
13C-1,2,3,7,8,9-HxCDD	271672000	1.29 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	238064400	0.51 y	31:25	0.88	100.00	n
1,2,3,4,7,8-HxCDF	25643500	1.28 y	31:26	1.08	10.00	n
1,2,3,6,7,8-HxCDF	30902300	1.30 y	31:35	1.30	10.00	n
2,3,4,6,7,8-HxCDF	27314900	1.31 y	32:16	1.15	10.00	n
1,2,3,7,8,9-HxCDF	28395900	1.26 y	33:02	1.19	10.00	n
Total HxCDF	-	- n	-	1.18	40.00	n
13C-1,2,3,6,7,8-HxCDD	187073300	1.31 y	32:31	0.69	100.00	n
1,2,3,4,7,8-HxCDD	14931616	1.45 n	32:26	0.80	10.00	n
1,2,3,6,7,8-HxCDD	18826110	1.21 y	32:32	1.01	10.00	n
1,2,3,7,8,9-HxCDD	22185220	1.30 y	32:51	1.19	10.00	n
Total HxCDD	-	- n	-	1.00	30.00	n
13C-1,2,3,4,6,7,8-HpCDF	229668600	0.43 y	34:34	0.85	100.00	n
1,2,3,4,6,7,8-HpCDF	27134500	1.01 y	34:35	1.18	10.00	n
1,2,3,4,7,8,9-HpCDF	22973600	1.06 y	35:53	1.00	10.00	n
Total HpCDF	-	- n	-	1.09	20.00	n
13C-1,2,3,4,6,7,8-HpCDD	200876100	1.09 y	35:30	0.74	100.00	n
1,2,3,4,6,7,8-HpCDD	17730590	1.07 y	35:31	0.88	10.00	n
Total HpCDD	-	- n	-	0.88	10.00	n
13C-OCDD	295682000	0.89 y	38:18	0.54	200.00	n
OCDF	38310100	0.87 y	38:25	1.30	20.00	n
OCDD	28999100	0.89 y	38:19	0.98	20.00	n

Run #3 Filename 31DE09A1D5 S: 4 I: 1
 Acquired: 1-JAN-10 01:32:44 Processed: 4-JAN-10 07:30:49
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

Comments:

Sample text: ST1231D :CS-3 09DXN425

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	307910000	0.80 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	506106000	0.79 y	18:06	1.64	100.00	n
2,3,7,8-TCDF	44200100	0.76 y	18:07	0.87	10.00	n
Total TCDF	-	- n	-	0.87	10.00	n
13C-2,3,7,8-TCDD	310374000	0.80 y	18:52	1.01	100.00	n
2,3,7,8-TCDD	29546200	0.79 y	18:53	0.95	10.00	n
Total TCDD	-	- n	-	0.95	10.00	n
37Cl-2,3,7,8-TCDD	67170000	1.00 y	18:53	2.18	10.00	n
13C-1,2,3,7,8-PeCDF	335656000	1.65 y	23:30	1.09	100.00	n
1,2,3,7,8-PeCDF	174948900	1.63 y	23:32	1.04	50.00	n
2,3,4,7,8-PeCDF	162654400	1.64 y	24:57	0.97	50.00	n
Total F2 PeCDF	-	- n	-	1.01	100.00	n
Total F1 PeCDF	-	- n	-	1.01	100.00	n
13C-1,2,3,7,8-PeCDD	205985000	1.67 y	25:42	0.67	100.00	n
1,2,3,7,8-PeCDD	97299200	1.65 y	25:43	0.94	50.00	n
Total PeCDD	-	- n	-	0.94	50.00	n
13C-1,2,3,7,8,9-HxCDD	264028000	1.28 y	32:49	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	237779900	0.51 y	31:25	0.90	100.00	n
1,2,3,4,7,8-HxCDF	155946700	1.25 y	31:26	1.31	50.00	n
1,2,3,6,7,8-HxCDF	175881700	1.25 y	31:35	1.48	50.00	n
2,3,4,6,7,8-HxCDF	157470900	1.29 y	32:16	1.32	50.00	n
1,2,3,7,8,9-HxCDF	170784100	1.26 y	33:02	1.44	50.00	n
Total HxCDF	-	- n	-	1.39	200.00	n
13C-1,2,3,6,7,8-HxCDD	199181900	1.29 y	32:31	0.75	100.00	n
1,2,3,4,7,8-HxCDD	97513000	1.26 y	32:26	0.98	50.00	n
1,2,3,6,7,8-HxCDD	109018400	1.29 y	32:32	1.09	50.00	n
1,2,3,7,8,9-HxCDD	132727200	1.29 y	32:50	1.33	50.00	n
Total HxCDD	-	- n	-	1.14	150.00	n
13C-1,2,3,4,6,7,8-HpCDF	232544000	0.43 y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	156361300	1.03 y	34:35	1.34	50.00	n
1,2,3,4,7,8,9-HpCDF	138612200	1.05 y	35:52	1.19	50.00	n
Total HpCDF	-	- n	-	1.27	100.00	n
13C-1,2,3,4,6,7,8-HpCDD	199167200	1.09 y	35:30	0.75	100.00	n
1,2,3,4,6,7,8-HpCDD	105004000	1.05 y	35:31	1.05	50.00	n
Total HpCDD	-	- n	-	1.05	50.00	n
13C-OCDD	301292000	0.91 y	38:17	0.57	200.00	n
OCDF	228515000	0.90 y	38:25	1.52	100.00	n
OCDD	174447000	0.89 y	38:18	1.16	100.00	n

Run #4 Filename 31DE09A1D5 S: 5 I: 1
 Acquired: 1-JAN-10 02:14:32 Processed: 4-JAN-10 07:30:49
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

Comments:

Sample text: ST1231E :CS-4 09DXN426

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	360177000	0.81 y	18:40	-	100.00	n
13C-2,3,7,8-TCDF	552269000	0.80 y	18:06	1.53	100.00	n
2,3,7,8-TCDF	200867500	0.77 y	18:07	0.91	40.00	n
Total TCDF	-	- n	-	0.91	40.00	n
13C-2,3,7,8-TCDD	350941000	0.80 y	18:52	0.97	100.00	n
2,3,7,8-TCDD	141705800	0.77 y	18:53	1.01	40.00	n
Total TCDD	-	- n	-	1.01	40.00	n
37Cl-2,3,7,8-TCDD	335352000	1.00 y	18:53	2.33	40.00	n
13C-1,2,3,7,8-PeCDF	369215000	1.63 y	23:31	1.03	100.00	n
1,2,3,7,8-PeCDF	814732000	1.58 y	23:32	1.10	200.00	n
2,3,4,7,8-PeCDF	775079000	1.57 y	24:57	1.05	200.00	n
Total F2 PeCDF	-	- n	-	1.08	400.00	n
Total F1 PeCDF	-	- n	-	1.08	400.00	n
13C-1,2,3,7,8-PeCDD	239834200	1.64 y	25:42	0.67	100.00	n
1,2,3,7,8-PeCDD	500625000	1.60 y	25:44	1.04	200.00	n
Total PeCDD	-	- n	-	1.04	200.00	n
13C-1,2,3,7,8,9-HxCDD	359009000	1.24 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	273599700	0.51 y	31:25	0.76	100.00	n
1,2,3,4,7,8-HxCDF	727822000	1.26 y	31:26	1.33	200.00	n
1,2,3,6,7,8-HxCDF	824043000	1.27 y	31:35	1.51	200.00	n
2,3,4,6,7,8-HxCDF	744600000	1.26 y	32:16	1.36	200.00	n
1,2,3,7,8,9-HxCDF	857140000	1.26 y	33:02	1.57	200.00	n
Total HxCDF	-	- n	-	1.44	800.00	n
13C-1,2,3,6,7,8-HxCDD	219899700	1.29 y	32:31	0.61	100.00	n
1,2,3,4,7,8-HxCDD	507310000	1.25 y	32:27	1.15	200.00	n
1,2,3,6,7,8-HxCDD	512249000	1.28 y	32:32	1.16	200.00	n
1,2,3,7,8,9-HxCDD	690425000	1.27 y	32:51	1.57	200.00	n
Total HxCDD	-	- n	-	1.30	600.00	n
13C-1,2,3,4,6,7,8-HpCDF	278355600	0.44 y	34:34	0.78	100.00	n
1,2,3,4,6,7,8-HpCDF	784068000	1.04 y	34:35	1.41	200.00	n
1,2,3,4,7,8,9-HpCDF	705553000	1.04 y	35:53	1.27	200.00	n
Total HpCDF	-	- n	-	1.34	400.00	n
13C-1,2,3,4,6,7,8-HpCDD	244993000	1.09 y	35:31	0.68	100.00	n
1,2,3,4,6,7,8-HpCDD	539498000	1.05 y	35:31	1.10	200.00	n
Total HpCDD	-	- n	-	1.10	200.00	n
13C-OCDD	366780000	0.90 y	38:18	0.51	200.00	n
OCDF	1195334000	0.91 y	38:25	1.63	400.00	n
OCDD	901352000	0.90 y	38:18	1.23	400.00	n

Run #5 Filename 31DE09A1D5 S: 6 I: 1
 Acquired: 1-JAN-10 02:56:20 Processed: 4-JAN-10 07:30:50
 Run: 15SE098D2 Analyte: 8290 Cal: 82901231091D5

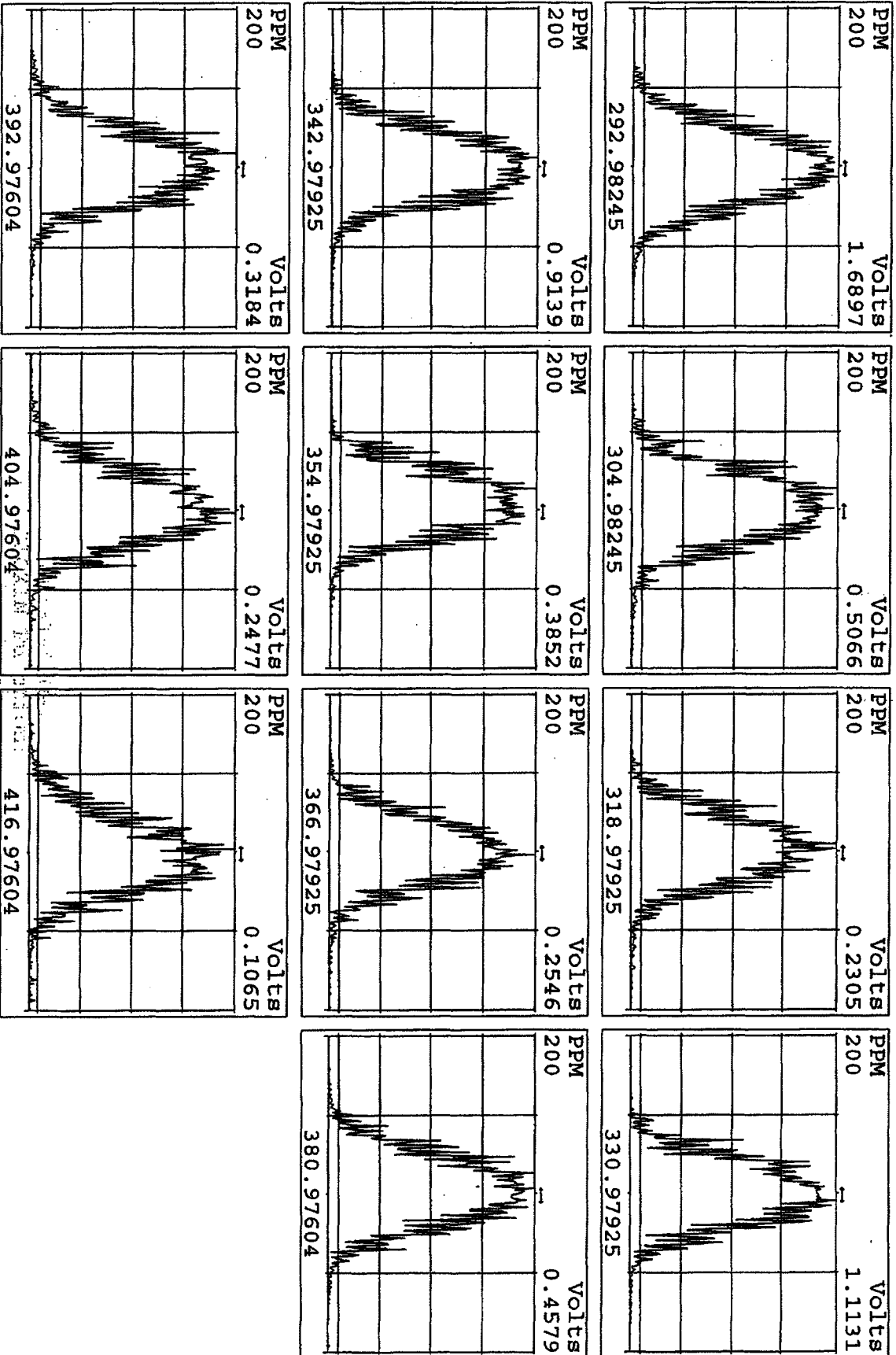
Comments:

Sample text: ST1231F :CS-5 09DXN456

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	223948500	0.79 y	18:39	-	100.00	n
13C-2,3,7,8-TCDF	370833000	0.77 y	18:05	1.66	100.00	n
2,3,7,8-TCDF	724048000	0.76 y	18:06	0.98	200.00	n
Total TCDF	-	- n	-	0.98	200.00	n
13C-2,3,7,8-TCDD	251145000	0.80 y	18:51	1.12	100.00	n
2,3,7,8-TCDD	539625000	0.78 y	18:52	1.07	200.00	n
Total TCDD	-	- n	-	1.07	200.00	n
37Cl-2,3,7,8-TCDD	1227666000	1.00 y	18:52	2.74	200.00	n
13C-1,2,3,7,8-PeCDF	283018000	1.63 y	23:30	1.26	100.00	n
1,2,3,7,8-PeCDF	3129820000	1.57 y	23:32	1.11	1000.00	n
2,3,4,7,8-PeCDF	2975790000	1.57 y	24:57	1.05	1000.00	n
Total F2 PeCDF	-	- n	-	1.08	2000.00	n
Total F1 PeCDF	-	- n	-	1.08	2000.00	n
13C-1,2,3,7,8-PeCDD	178526400	1.62 y	25:42	0.80	100.00	n
1,2,3,7,8-PeCDD	1892442000	1.58 y	25:44	1.06	1000.00	n
Total PeCDD	-	- n	-	1.06	1000.00	n
13C-1,2,3,7,8,9-HxCDD	230276000	1.29 y	32:50	-	100.00	n
13C-1,2,3,4,7,8-HxCDF	216892500	0.51 y	31:25	0.94	100.00	n
1,2,3,4,7,8-HxCDF	2857220000	1.24 y	31:27	1.32	1000.00	n
1,2,3,6,7,8-HxCDF	3141570000	1.26 y	31:35	1.45	1000.00	n
2,3,4,6,7,8-HxCDF	2944900000	1.25 y	32:16	1.36	1000.00	n
1,2,3,7,8,9-HxCDF	3069220000	1.26 y	33:03	1.42	1000.00	n
Total HxCDF	-	- n	-	1.38	4000.00	n
13C-1,2,3,6,7,8-HxCDD	178583200	1.27 y	32:31	0.78	100.00	n
1,2,3,4,7,8-HxCDD	1973363000	1.25 y	32:27	1.11	1000.00	n
1,2,3,6,7,8-HxCDD	2046135000	1.28 y	32:32	1.15	1000.00	n
1,2,3,7,8,9-HxCDD	2448250000	1.27 y	32:51	1.37	1000.00	n
Total HxCDD	-	- n	-	1.21	3000.00	n
13C-1,2,3,4,6,7,8-HpCDF	201777500	0.44 y	34:34	0.88	100.00	n
1,2,3,4,6,7,8-HpCDF	2821880000	1.05 y	34:35	1.40	1000.00	n
1,2,3,4,7,8,9-HpCDF	2558690000	1.04 y	35:53	1.27	1000.00	n
Total HpCDF	-	- n	-	1.33	2000.00	n
13C-1,2,3,4,6,7,8-HpCDD	180867800	1.08 y	35:31	0.79	100.00	n
1,2,3,4,6,7,8-HpCDD	1991700000	1.05 y	35:32	1.10	1000.00	n
Total HpCDD	-	- n	-	1.10	1000.00	n
13C-OCDD	281979000	0.89 y	38:19	0.61	200.00	n
OCDF	4472470000	0.91 y	38:26	1.59	2000.00	n
OCDD	3427190000	0.90 y	38:20	1.22	2000.00	n

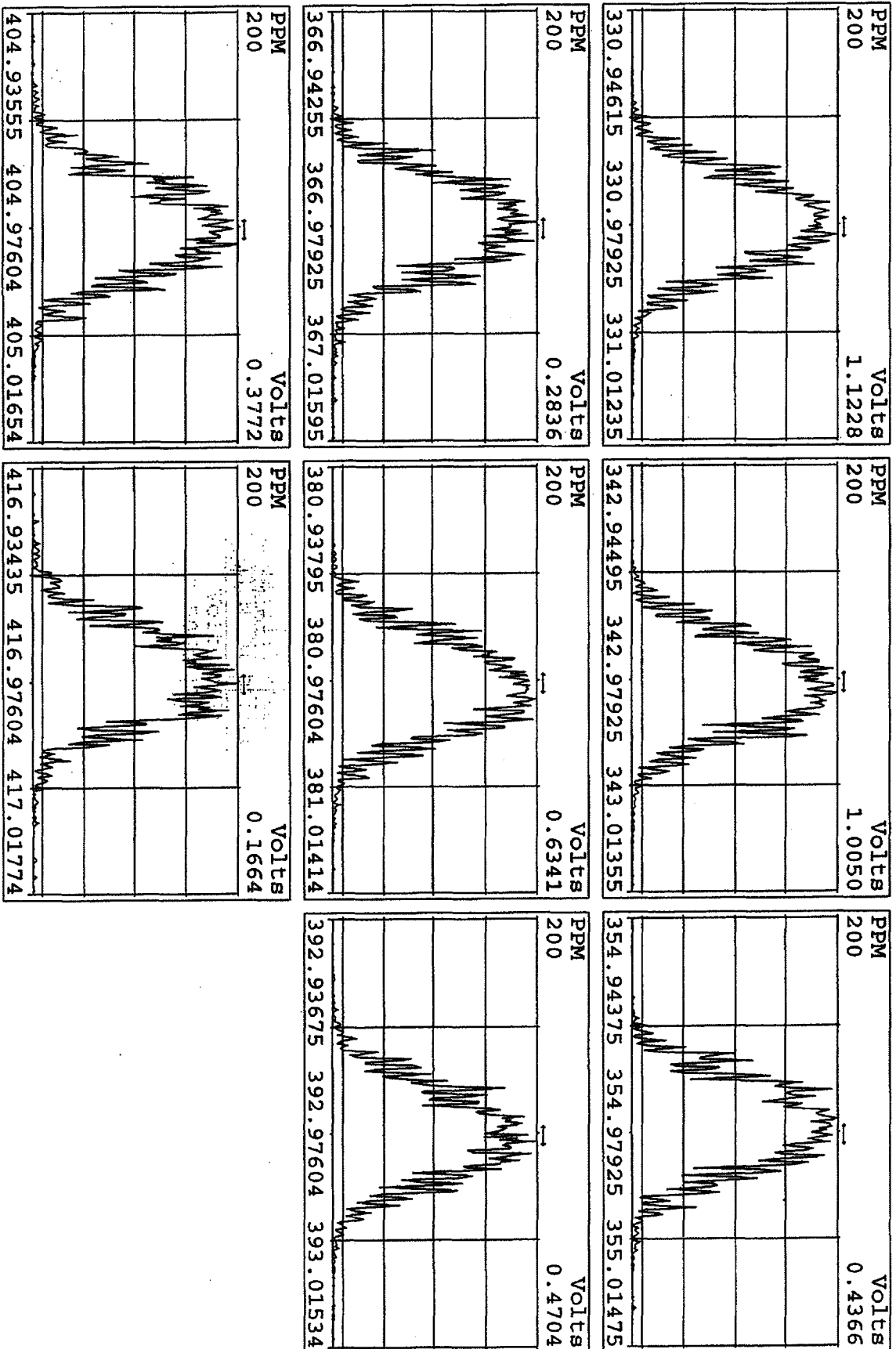
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
31DE09A1D5	1	CP1231A	DB-5 CPSM 3732-04				1.000	
31DE09A1D5	2	ST1231B	CS-1 09DXN422				1.000	
31DE09A1D5	3	ST1231C	CS-2 09DXN423				1.000	
31DE09A1D5	4	ST1231D	CS-3 09DXN425				1.000	
31DE09A1D5	5	ST1231E	CS-4 09DXN426				1.000	
31DE09A1D5	6	ST1231F	CS-5 09DXN456				1.000	
31DE09A1D5	7	SB1231C	Solvent Blank C-14				1.000	
31DE09A1D5	8	ST1231G	2nd Source 09DXN449	500	1613B/8290		1.000	
31DE09A1D5	9						1.000	
31DE09A1D5	10						1.000	
31DE09A1D5	11						1.000	
31DE09A1D5	12						1.000	
31DE09A1D5	13						1.000	
31DE09A1D5	14						1.000	
31DE09A1D5	15		AM 12-31-09				1.000	
31DE09A1D5	16						1.000	

Peak Locate Examination: 31-DEC-2009:23:19 File:31DE09A1D5
 Experiment: DIOXIN Function: 1 Reference: PFK

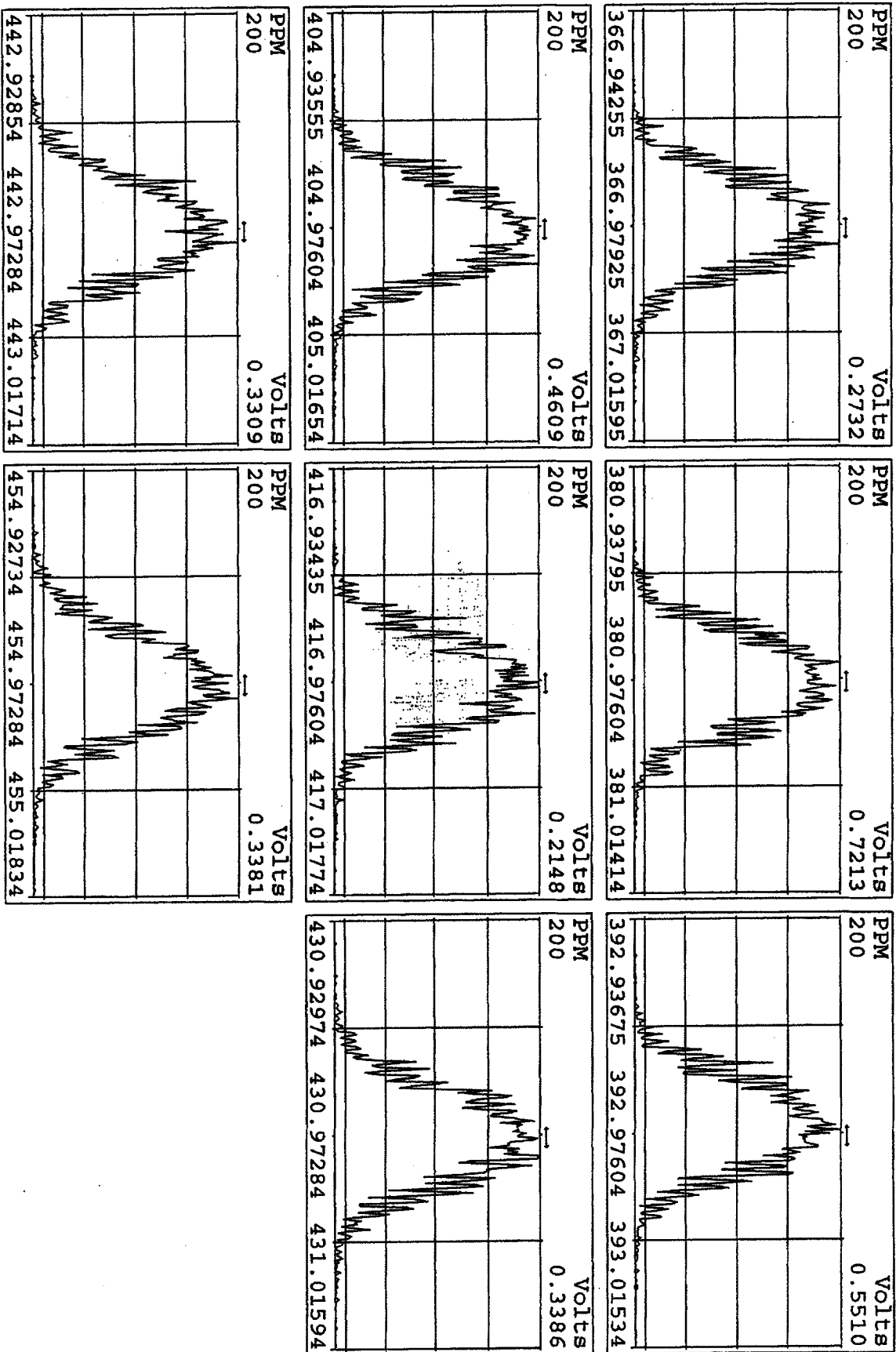


VOLTS
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 300

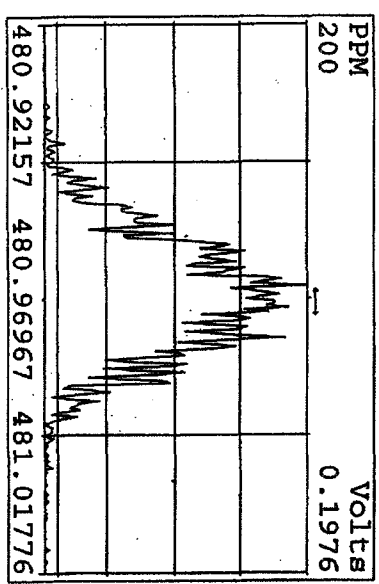
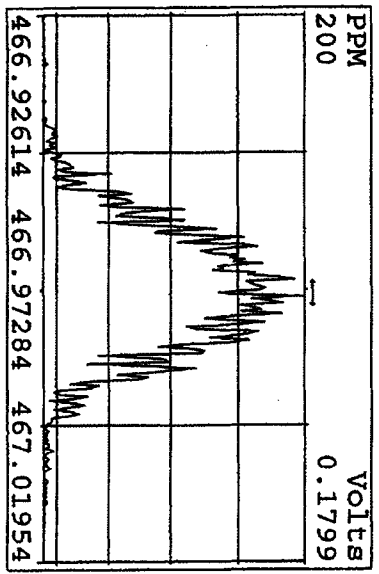
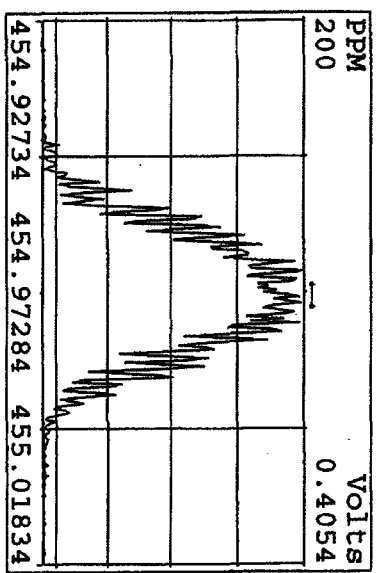
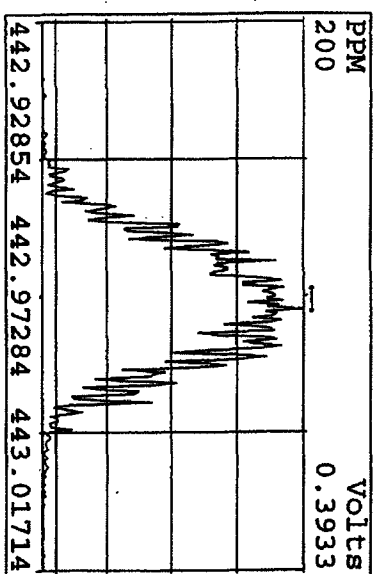
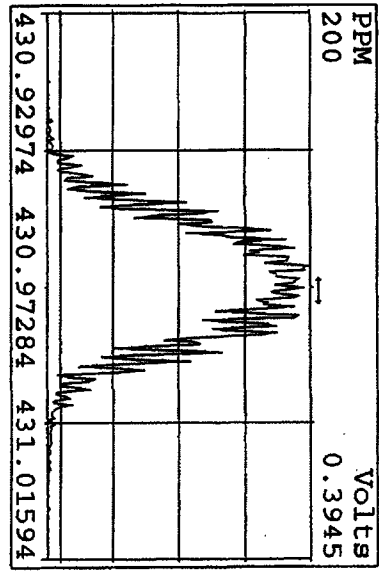
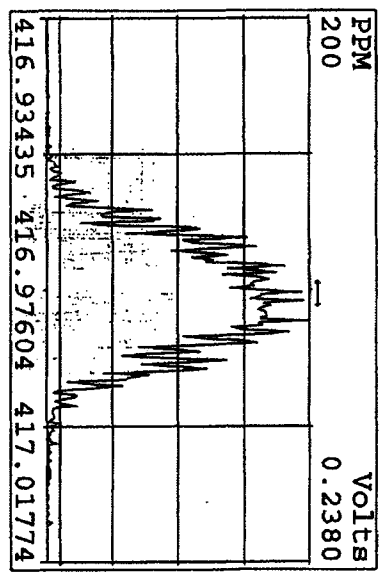
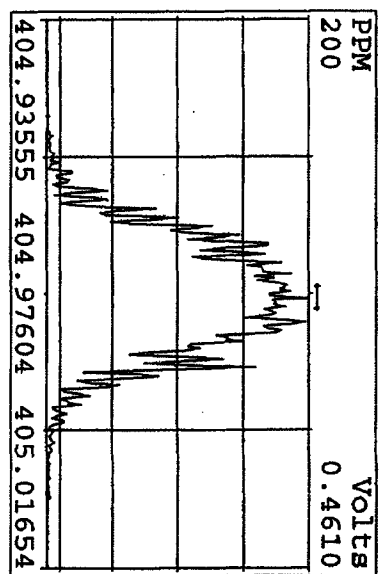
Peak Locate Examination:31-DEC-2009:23:20 File:31DE09A1D5
 Experiment:DIOXIN Function:2 Reference:PFK



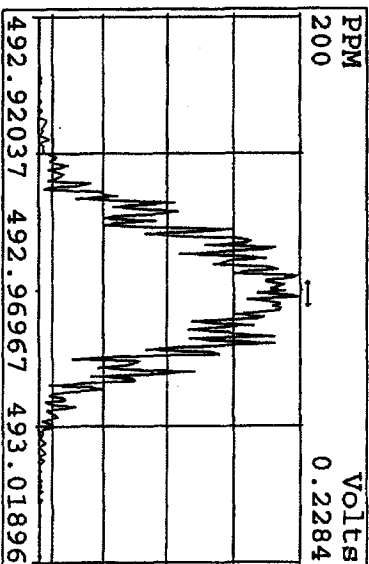
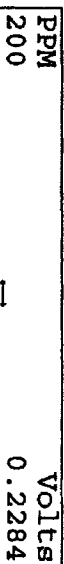
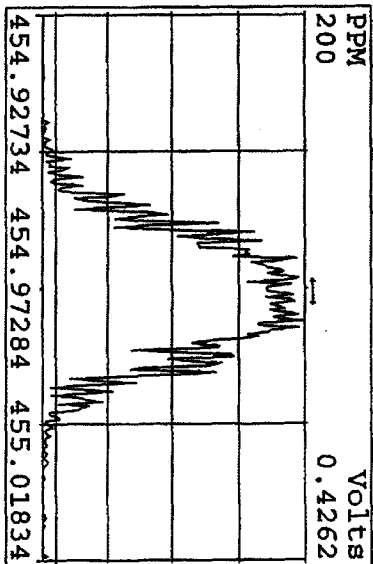
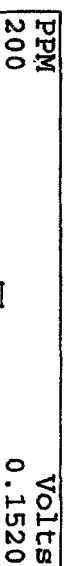
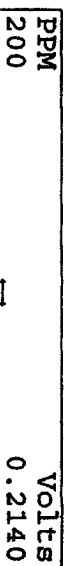
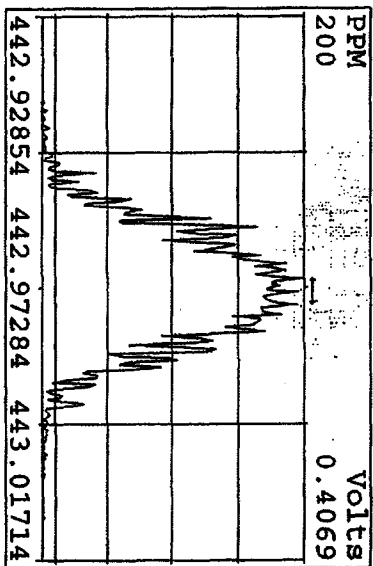
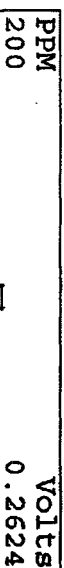
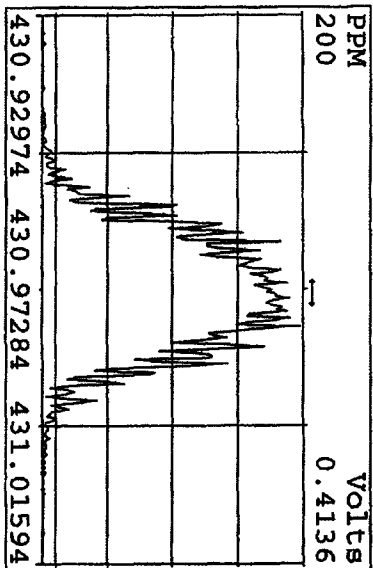
Peak Locate Examination:31-DEC-2009:23:21 File:31DE09A1D5
 Experiment:DIOXIN Function:3 Reference:PFK



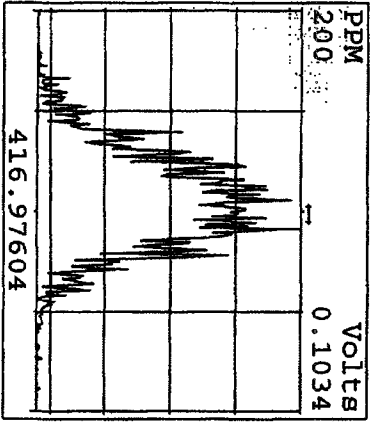
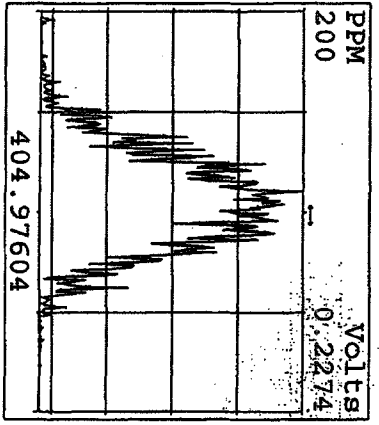
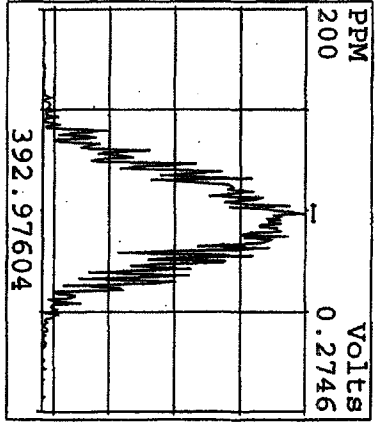
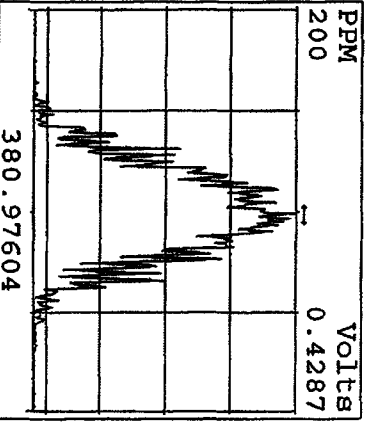
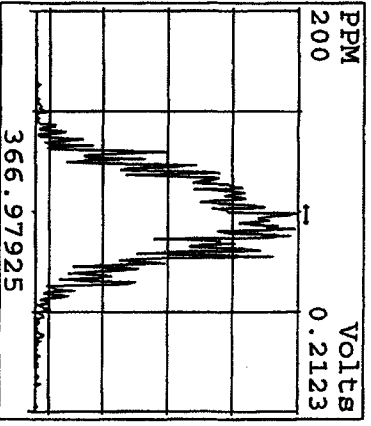
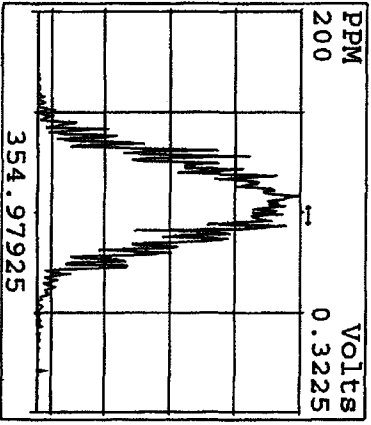
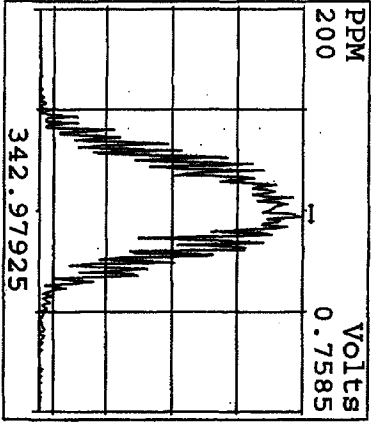
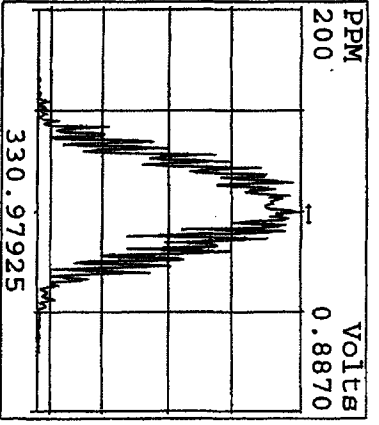
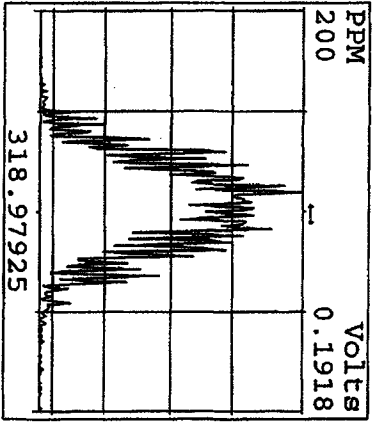
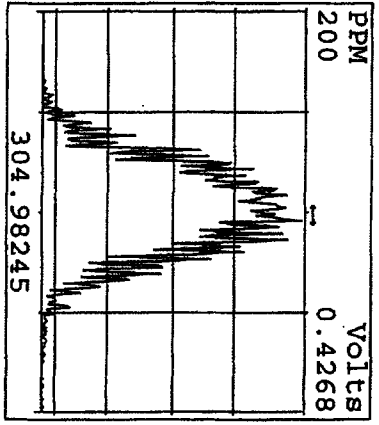
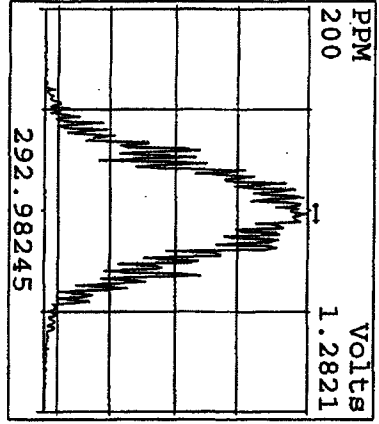
Peak Locate Examination: 31-DEC-2009:23:22 File: 31DE09A1D5
 Experiment: DIOXIN Function: 4 Reference: PFK



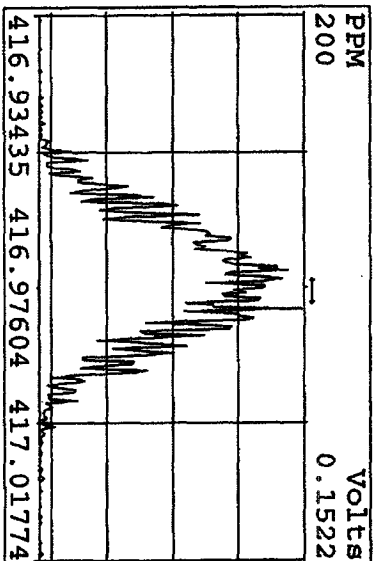
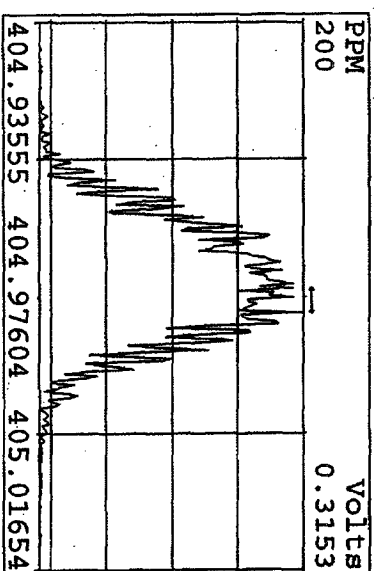
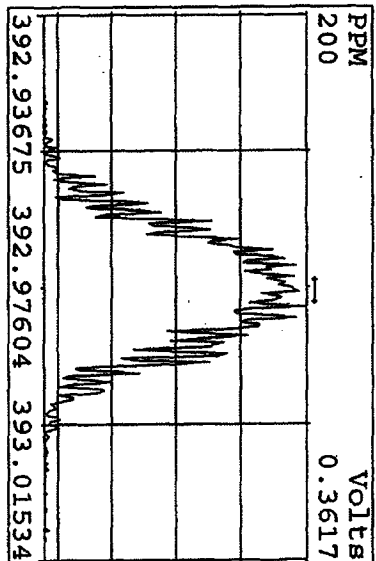
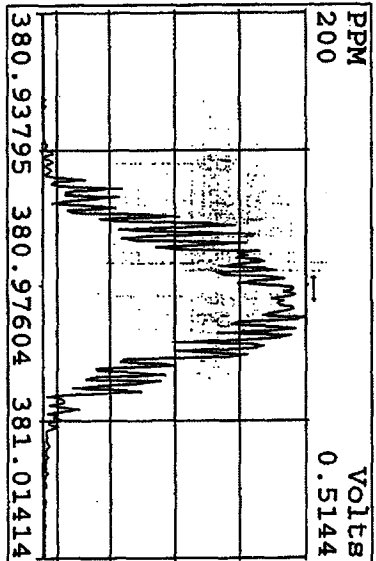
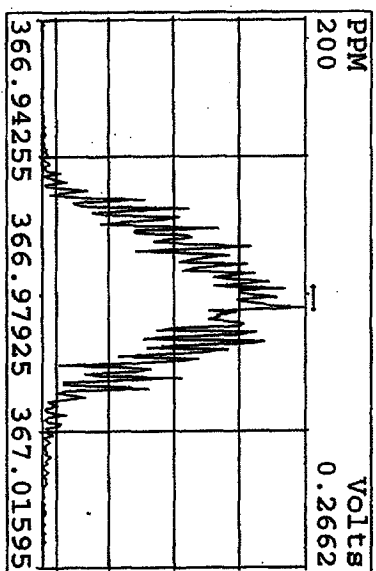
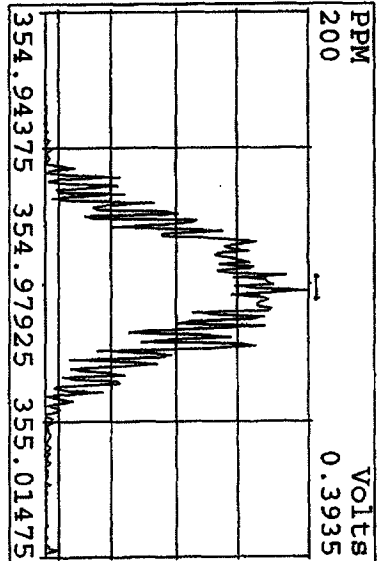
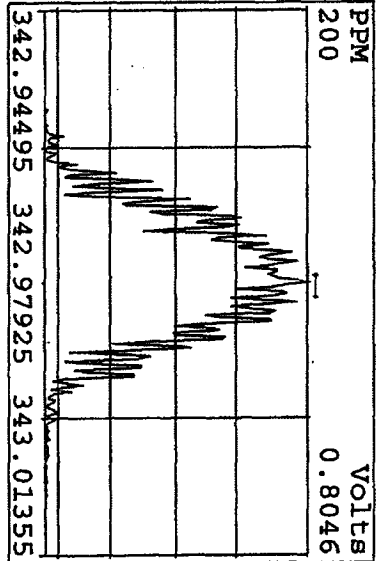
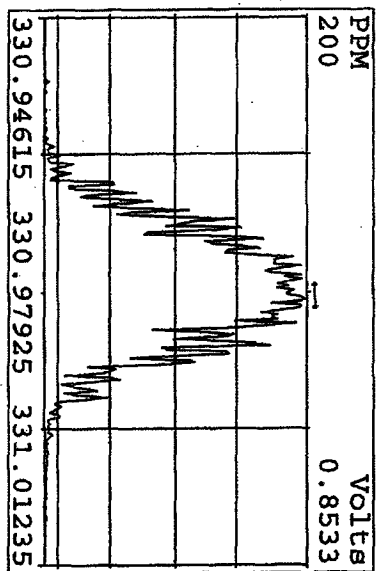
Peak Locate Examination: 31-DEC-2009:23:24 File:31DE09A1D5
 Experiment:DIOXIN Function:5 Reference:PK



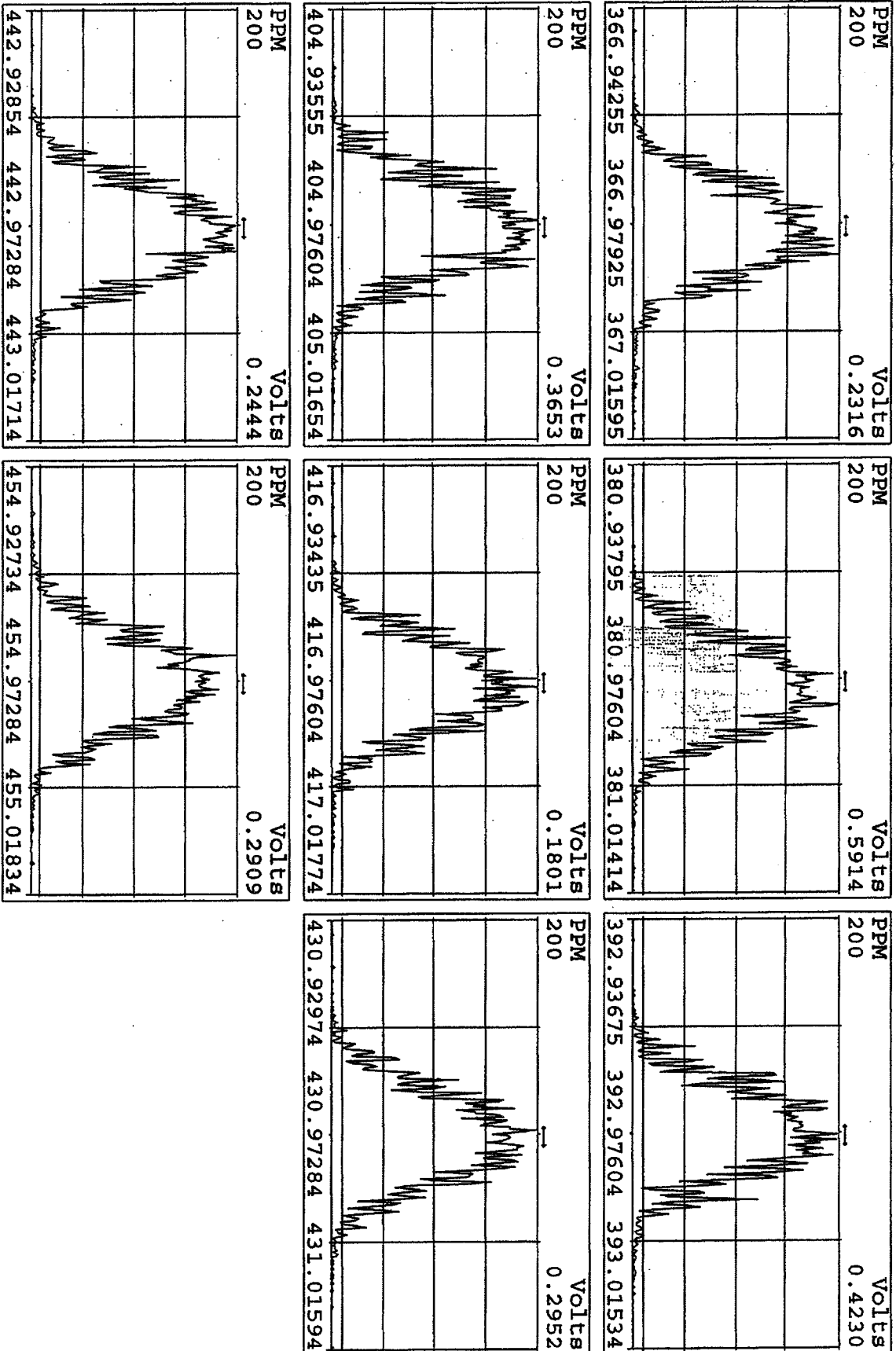
Peak Locate Examination: 1-JAN-2010:07:36 File:RSCHECK1D5
Experiment:DIOXIN Function:1 Reference:PFK



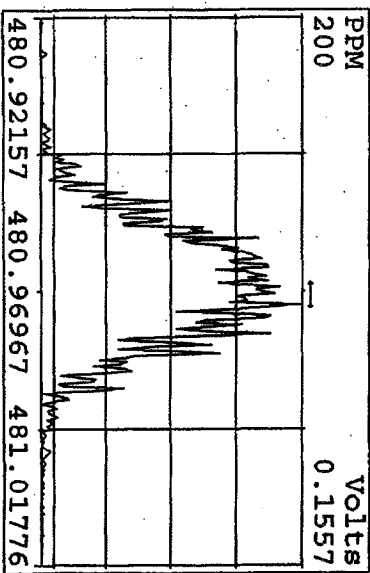
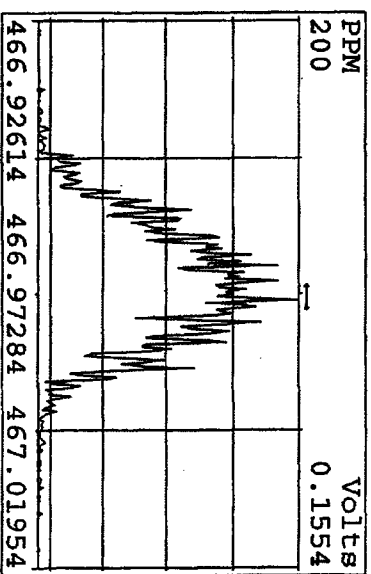
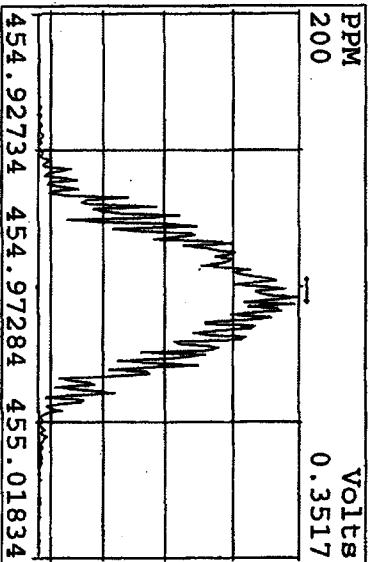
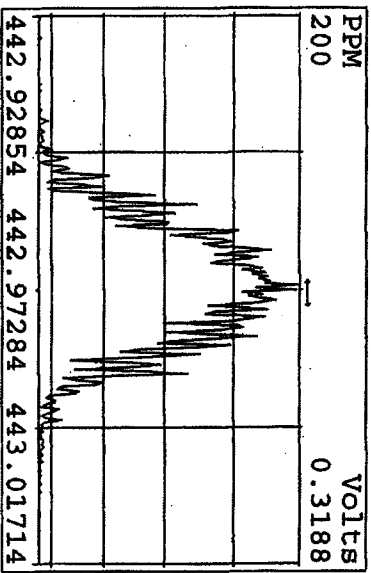
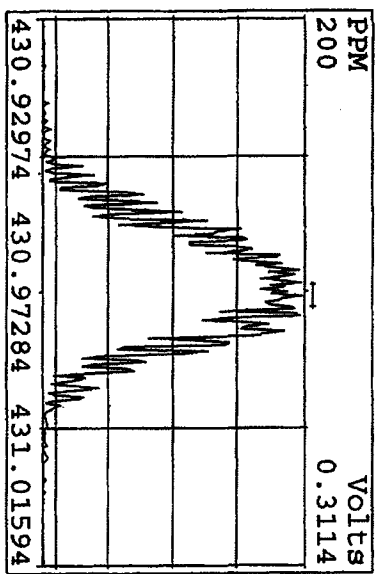
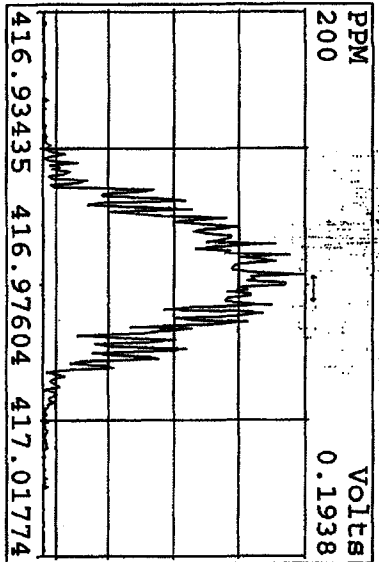
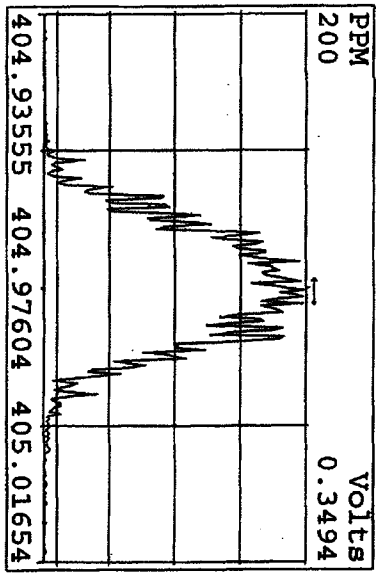
Peak Locate Examination: 1-JAN-2010:07:37 File:RESCHECKID5
 Experiment:DIOXIN Function:2 Reference:PK



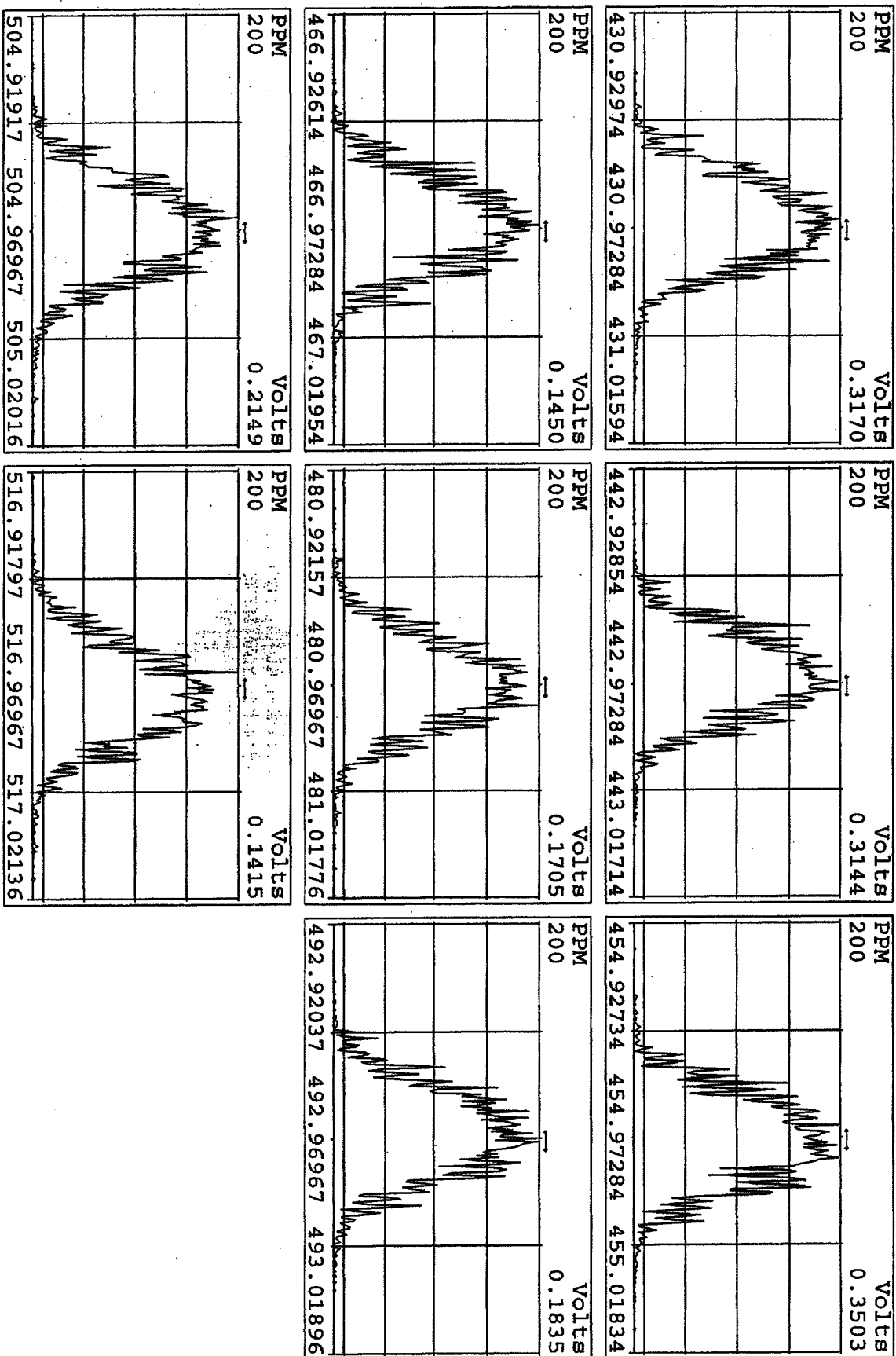
Peak Locate Examination: 1-JAN-2010:07:38 File:RESCHECK1.DS
 Experiment:DIOXIN Function:3 Reference:PRK



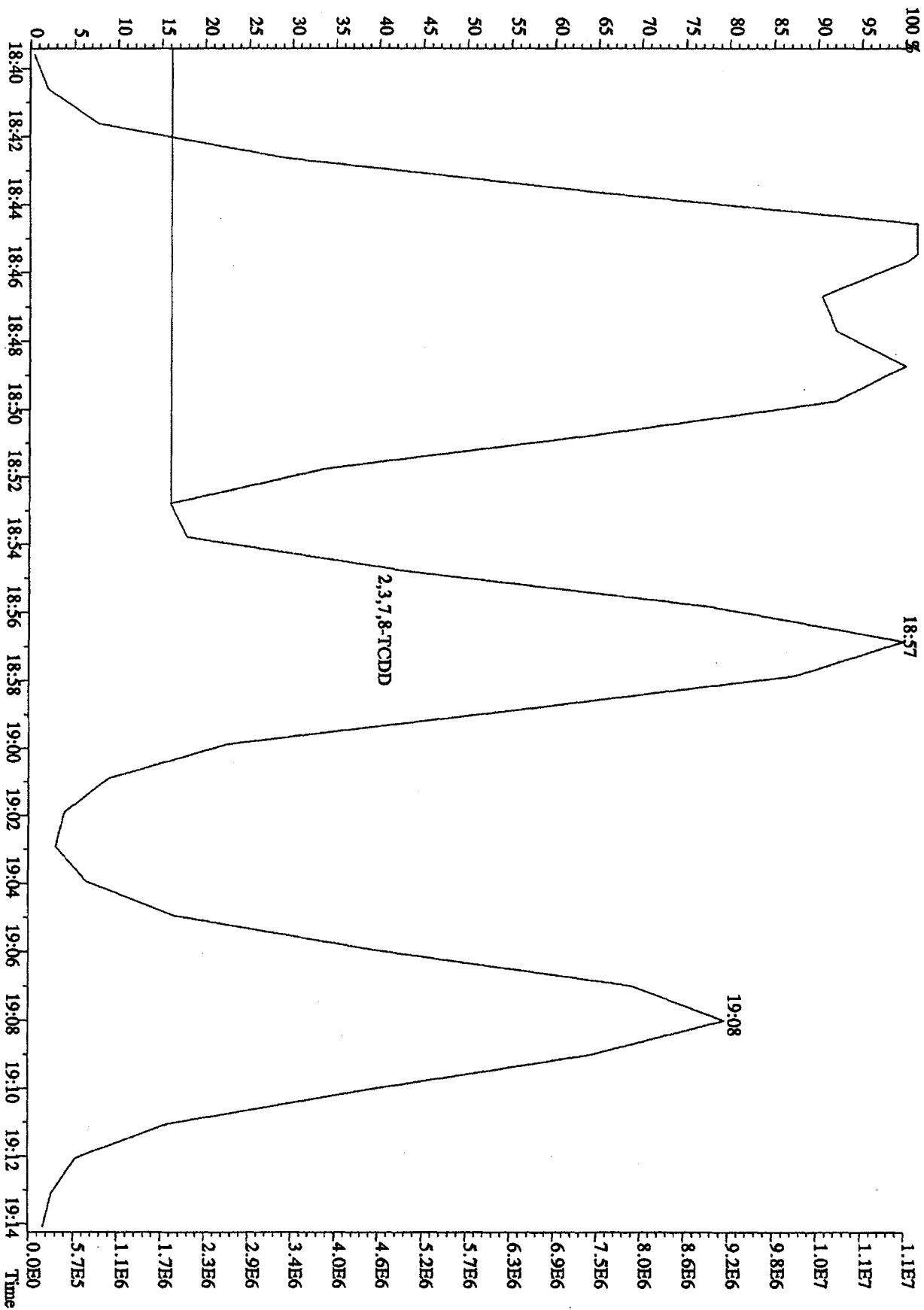
Peak Locate Examination: 11 JAN-2010:07:39 File:RSCHECK1D5
 Experiment:DIOXIN Function:4 Reference:PFK



Peak Locate Examination: 1-JAN-2010:07:40 File:RESCHECK1D5
 Experiment:DIOXIN Function:5 Reference:PKK



File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI + Voltage SRR 70SE
Sample#1 Text:CP1231A :DB-5 CPM 3732-04 Exp:DIOXIN
321.8936



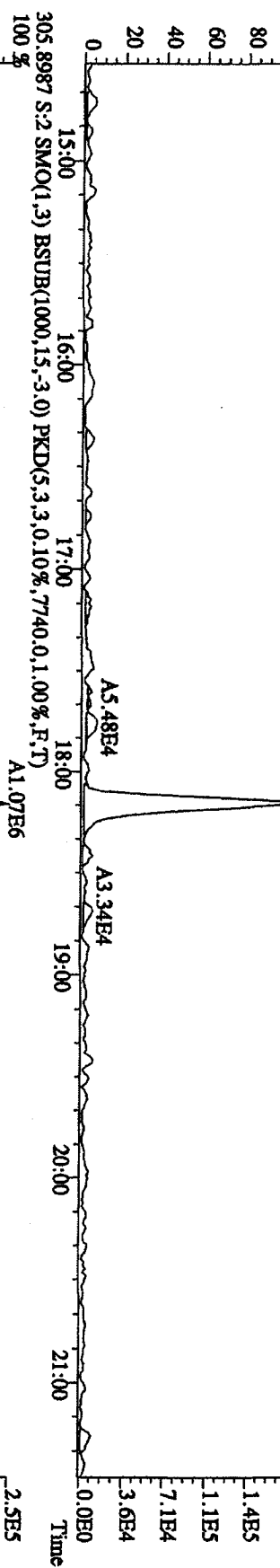
Run text: ST1231G Sample text: ST1231G :2nd Source 09DXN449
 Run #6 Filename: 31DE09A1D5 S: 8 I: 1 Results: 31DE09A1D51613
 Acquired: 1-JAN-10 04:19:56 Processed: 4-JAN-10 08:47:22
 Run: 31DE09A1D5 Analyte: 1613 Cal: 16131231091D5
 Factor 1: 400.000 Factor 2: 20.000 Sample size: 1.000000

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	233268000	0.81 y	18:42	-	74.89	-	3.7	n
13C-2,3,7,8-TCDF	353417000	0.79 y	18:09	1.57	1934.92	1.89	96.7	n
2,3,7,8-TCDF	29473900	0.75 y	18:10	0.86	193.98	1.19	-	n
Total TCDF	29878342	0.71 y	17:44	0.86	196.64	1.19	-	n
13C-2,3,7,8-TCDD	237599000	0.79 y	18:54	0.99	2050.84	3.63	102.5	n
2,3,7,8-TCDD	20517060	0.77 y	18:55	0.93	184.95	1.19	-	n
Total TCDD	20584547	4.35 n	18:08	0.93	185.56	1.19	-	n
37Cl-2,3,7,8-TCDD	54584600	1.00 y	18:55	2.22	210.99	0.58	105.5	n
13C-1,2,3,7,8-PeCDF	258286200	1.61 y	23:34	1.07	2064.12	1.55	103.2	n
1,2,3,7,8-PeCDF	61444300	1.63 y	23:35	1.00	475.75	1.74	-	n
13C-2,3,4,7,8-PeCDF	243753700	1.62 y	24:59	1.03	2025.63	1.61	101.3	n
2,3,4,7,8-PeCDF	55918300	1.65 y	25:01	0.98	469.60	2.00	-	n
Total F2 PeCDF	119226673	0.82 n	22:06	0.99	960.37	1.86	-	n
Total F1 PeCDF	218994	0.56 n	16:04	0.99	1.76	1.60	-	n
13C-1,2,3,7,8-PeCDD	156506400	1.64 y	25:46	0.67	2013.73	1.54	100.7	n
1,2,3,7,8-PeCDD	33662100	1.63 y	25:48	0.93	462.96	2.68	-	n
Total PeCDD	33824671	3.66 n	25:27	0.93	465.20	2.68	-	n
13C-1,2,3,7,8,9-HxCDD	177940200	1.25 y	32:51	-	64.87	-	-	n
13C-1,2,3,4,7,8-HxCDF	184934800	0.51 y	31:27	0.89	2328.15	4.47	116.4	n
1,2,3,4,7,8-HxCDF	53136200	1.31 y	31:28	1.20	479.25	2.45	-	n
13C-1,2,3,6,7,8-HxCDF	244860900	0.52 y	31:36	1.14	2407.44	3.49	120.4	n
1,2,3,6,7,8-HxCDF	62674400	1.23 y	31:37	1.07	477.98	2.04	-	n
13C-2,3,4,6,7,8-HxCDF	206484200	0.51 y	32:17	0.99	2340.79	4.03	117.0	n
2,3,4,6,7,8-HxCDF	51999200	1.28 y	32:18	1.12	450.75	2.09	-	n
13C-1,2,3,7,8,9-HxCDF	200333300	0.51 y	33:03	1.07	2099.56	3.72	105.0	n
1,2,3,7,8,9-HxCDF	52210900	1.25 y	33:04	1.09	476.28	2.26	-	n
Total HxCDF	220020700	1.31 y	31:28	1.12	1884.27	2.20	-	n
13C-1,2,3,4,7,8-HxCDD	148948400	1.25 y	32:27	0.73	2291.14	1.29	114.6	n
1,2,3,4,7,8-HxCDD	35533800	1.25 y	32:28	0.97	493.76	1.44	-	n
13C-1,2,3,6,7,8-HxCDD	152466700	1.30 y	32:33	0.73	2340.82	1.29	117.0	n
1,2,3,6,7,8-HxCDD	38830200	1.26 y	32:34	1.06	481.27	1.47	-	n
1,2,3,7,8,9-HxCDD	40200100	1.26 y	32:52	1.27	419.65	1.16	-	n
Total HxCDD	114605618	3.00 n	32:17	1.10	1395.19	1.34	-	n
13C-1,2,3,4,6,7,8-HpCDF	173164700	0.43 y	34:36	0.86	2262.83	6.25	113.1	n
1,2,3,4,6,7,8-HpCDF	54083400	1.05 y	34:37	1.29	485.50	1.92	-	n
13C-1,2,3,4,7,8,9-HpCDF	152527600	0.42 y	35:53	0.77	2233.57	7.00	111.7	n
1,2,3,4,7,8,9-HpCDF	44615700	1.05 y	35:54	1.27	459.77	2.42	-	n
Total HpCDF	98699100	1.05 y	34:37	1.28	945.27	2.15	-	n

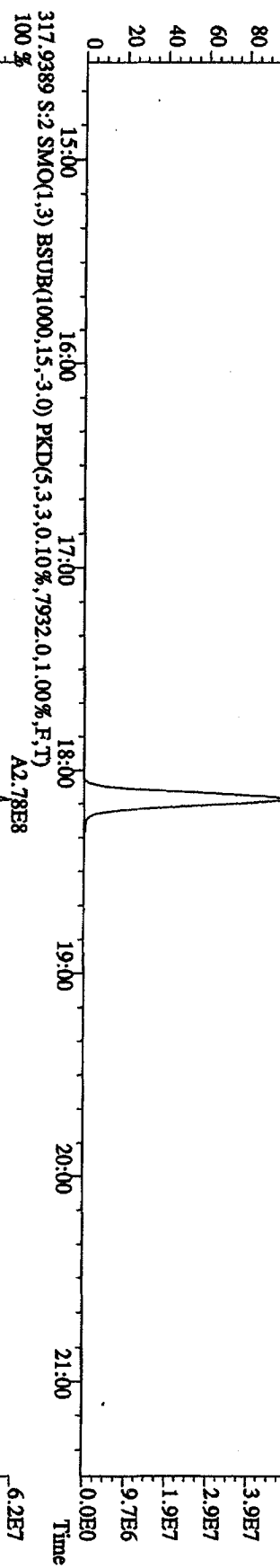
13C-1,2,3,4,6,7,8-HpCDD	150261100	1.06	y	35:32	0.75	2245.36	4.02	112.3	n
1,2,3,4,6,7,8-HpCDD	35301400	1.05	y	35:33	1.00	470.89	2.29	-	n
Total HpCDD	35553500	0.78	n	34:54	1.00	474.25	2.29	-	n
13C-OCDD	214408000	0.91	y	38:20	0.56	4269.63	4.55	106.7	n
OCDF	71179900	0.89	y	38:28	1.44	923.89	2.51	-	n
OCDD	55918600	0.88	y	38:20	1.11	940.23	2.77	-	n

File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

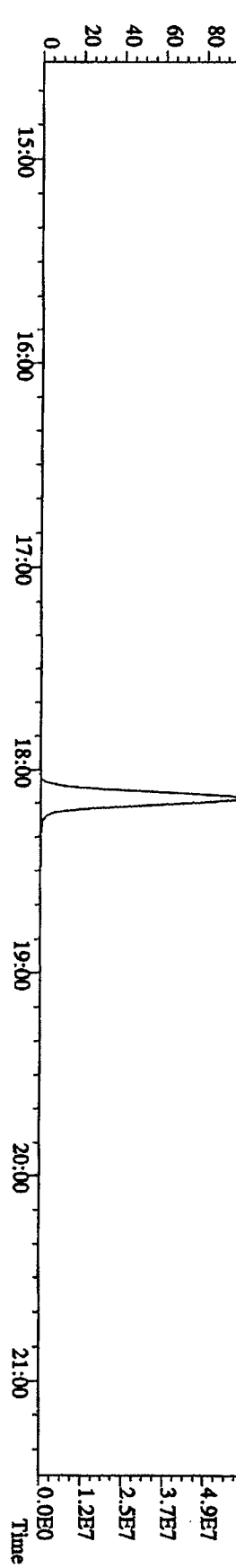
303.9016 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4776,0.1,00%,F,T)
 100%



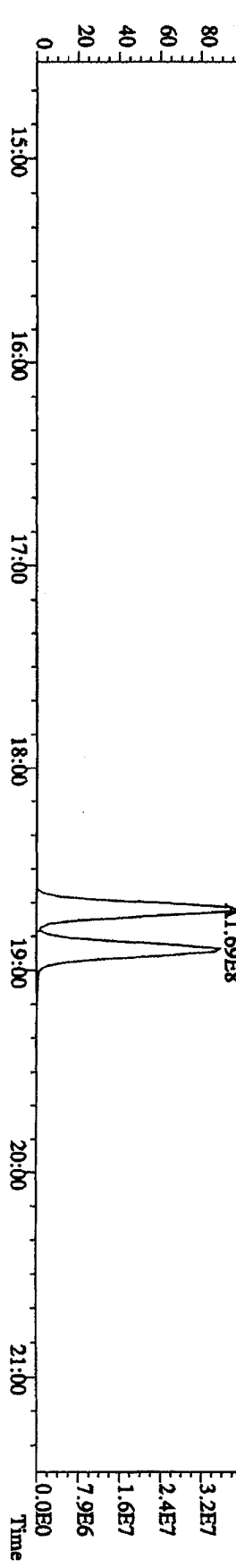
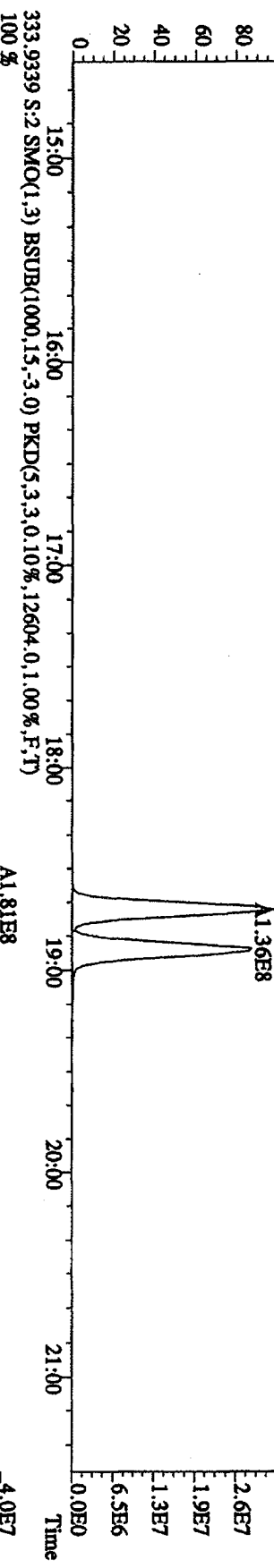
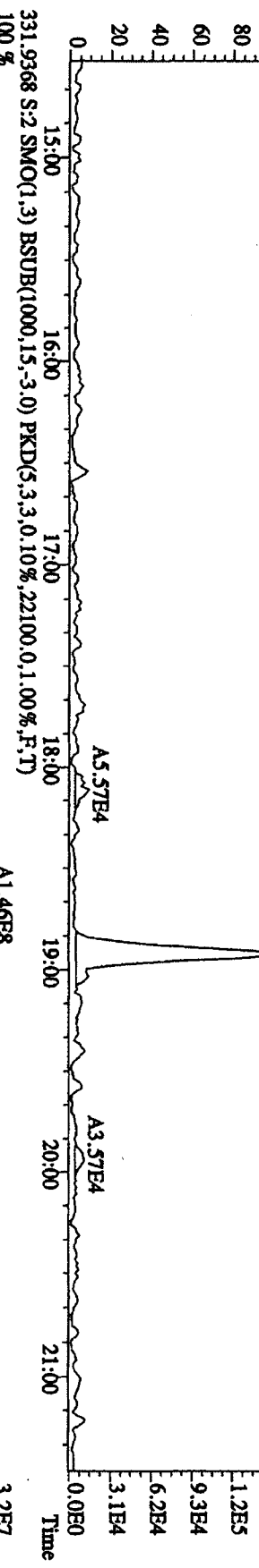
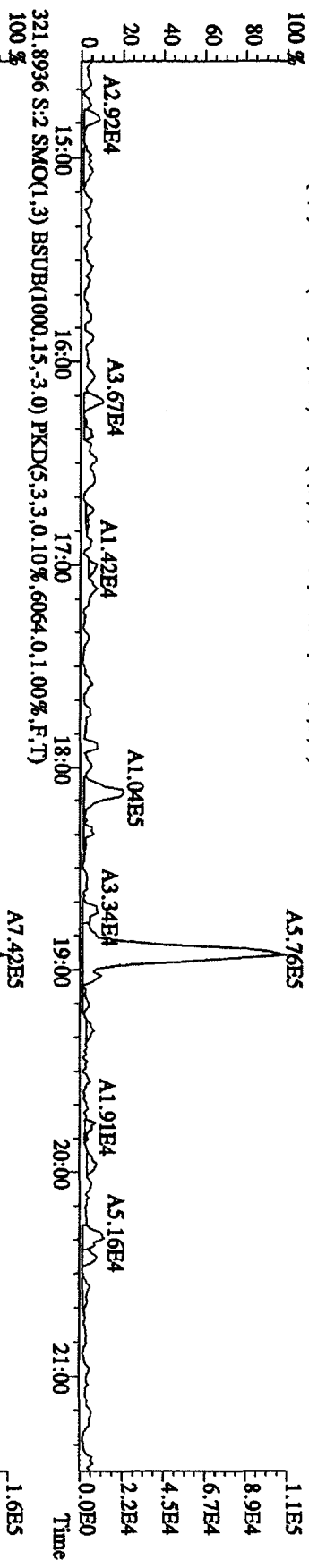
315.9419 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,13648,0.1,00%,F,T)
 100%



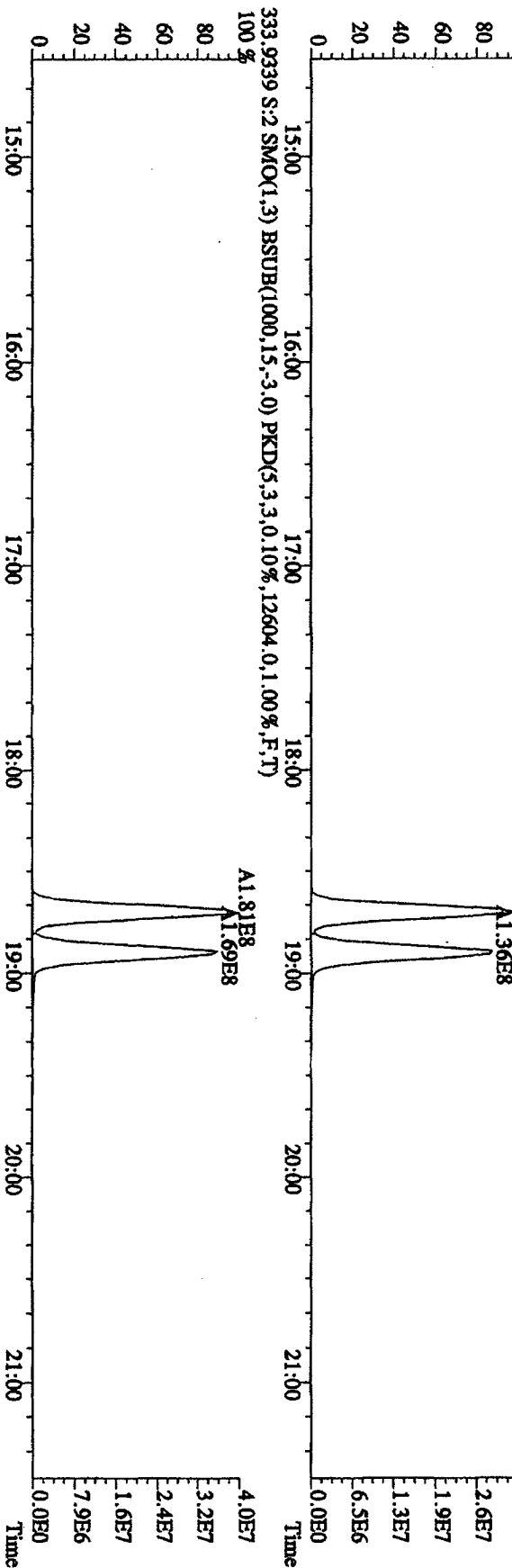
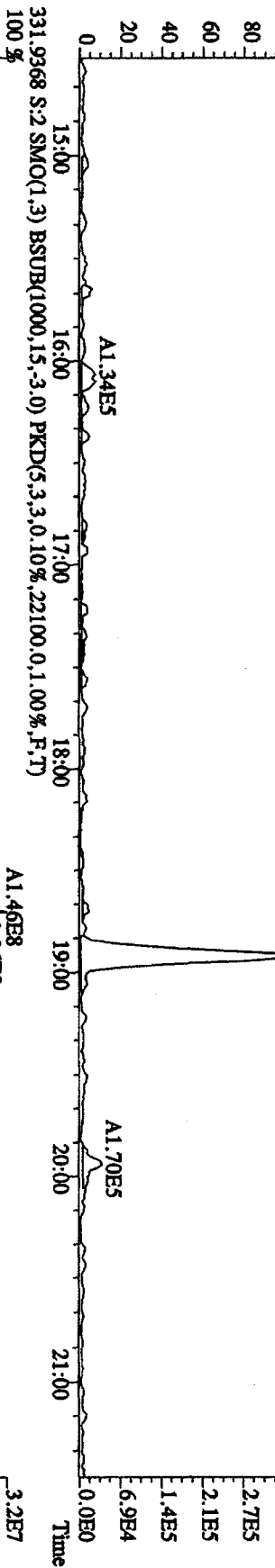
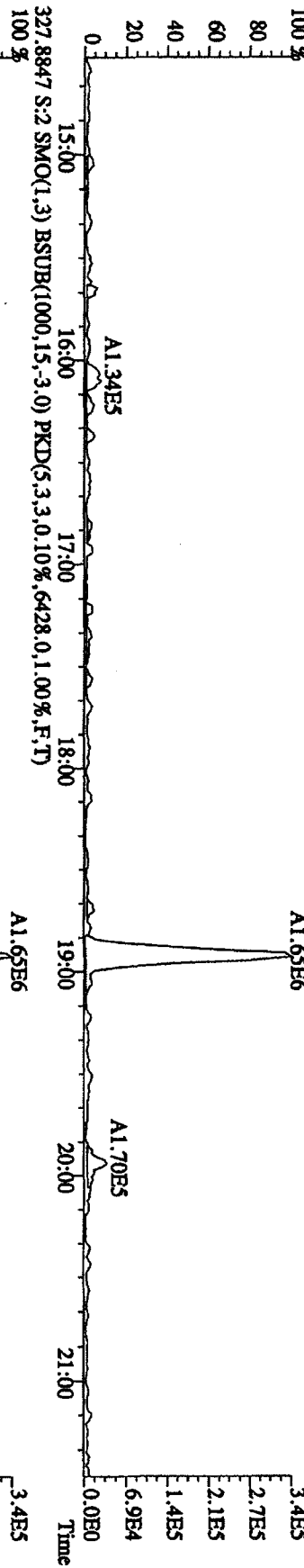
317.9389 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7932,0.1,00%,F,T)
 100%



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 319.8965 S:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,3832.0,1.00%,F,T)



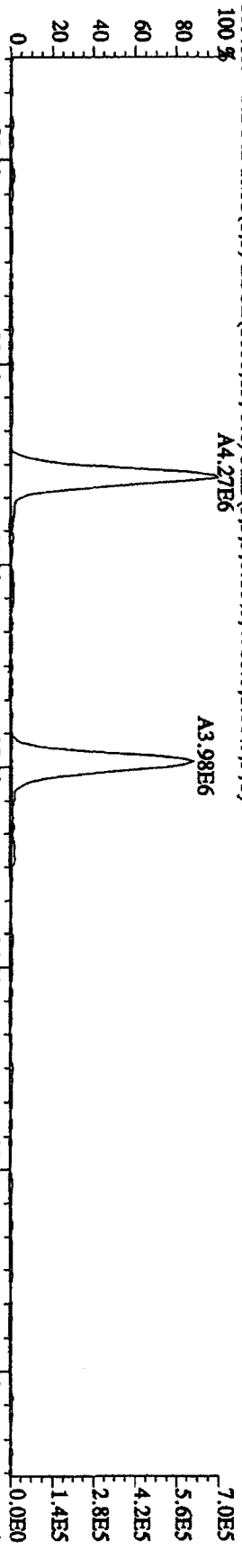
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 327.8847 S:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6428,0,1,00%,F,T)



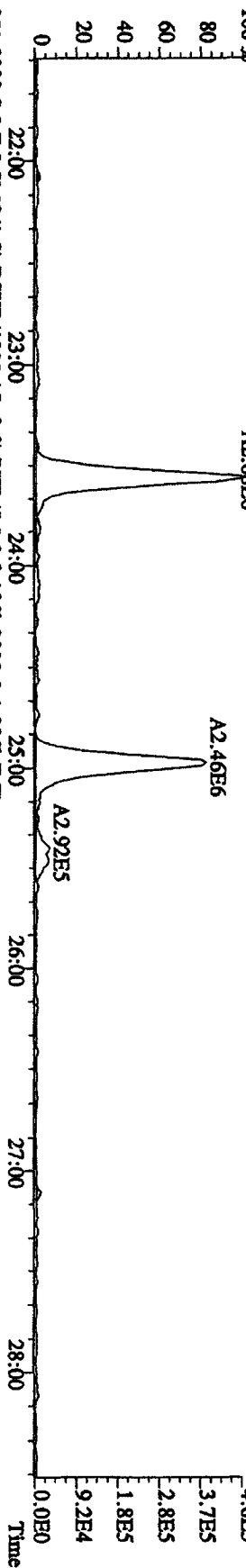
File:31DE09AIDS #1-495 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE

Sample#2 Text:ST1231B :CS-1 09DDXN422 Exp:DIOXIN

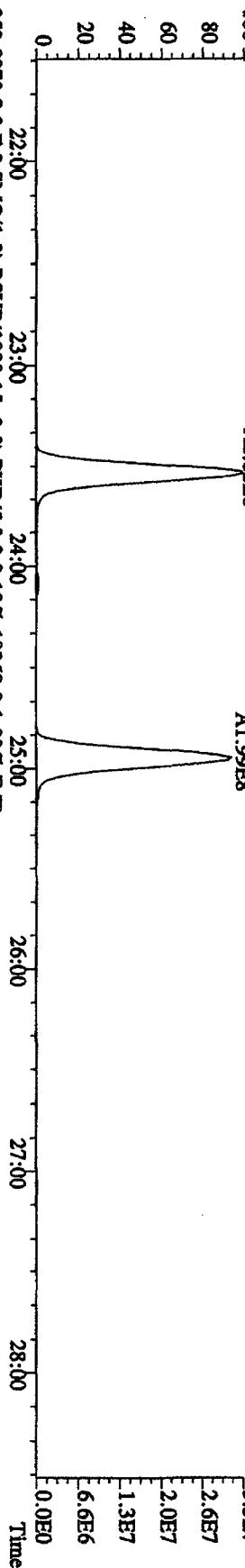
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4700,0.1,00%,F,T)



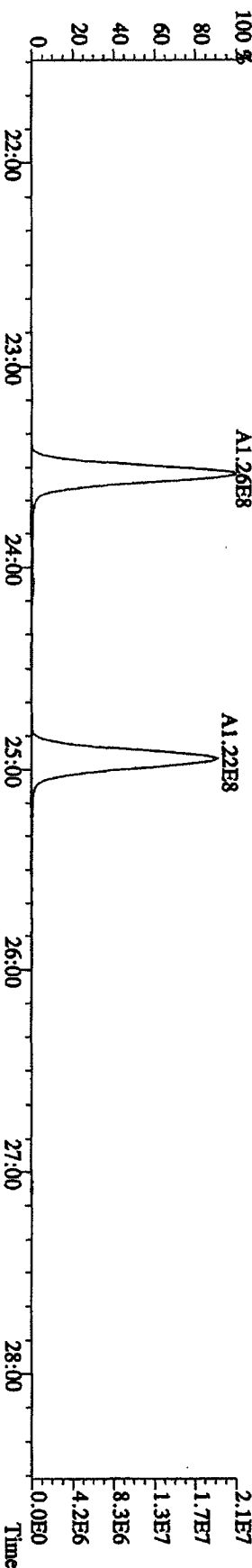
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5860,0.1,00%,F,T)



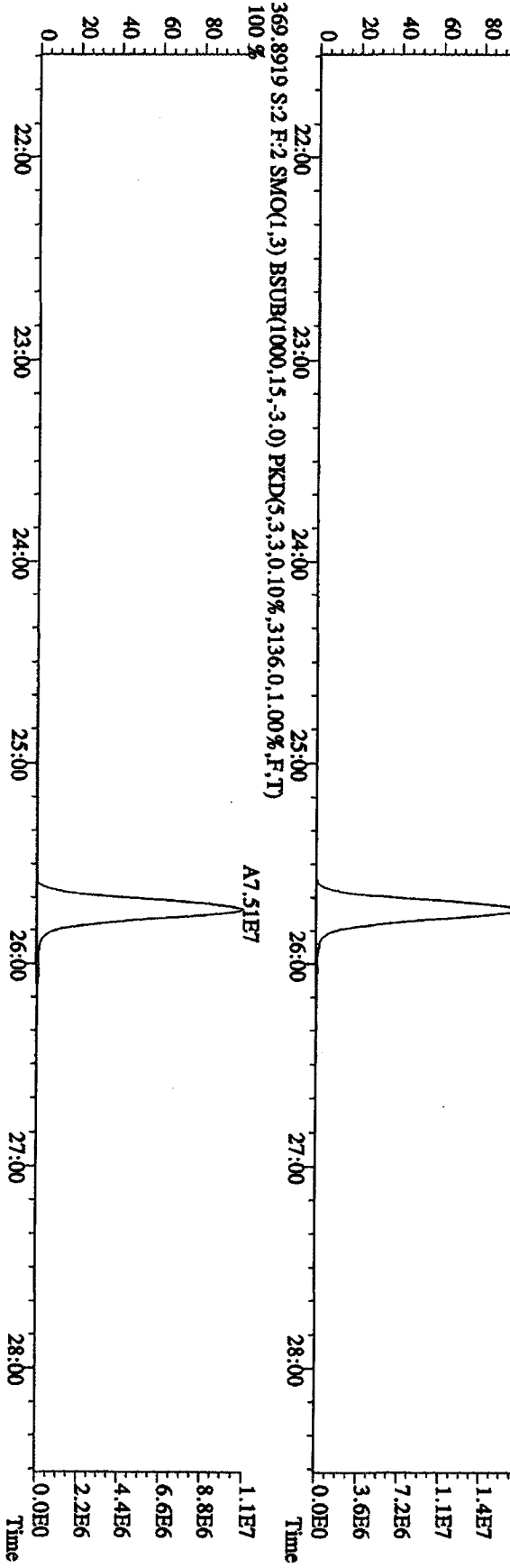
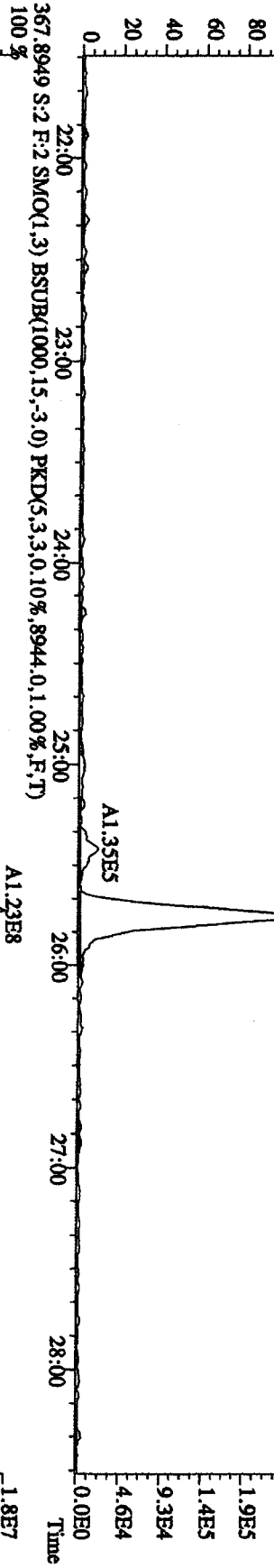
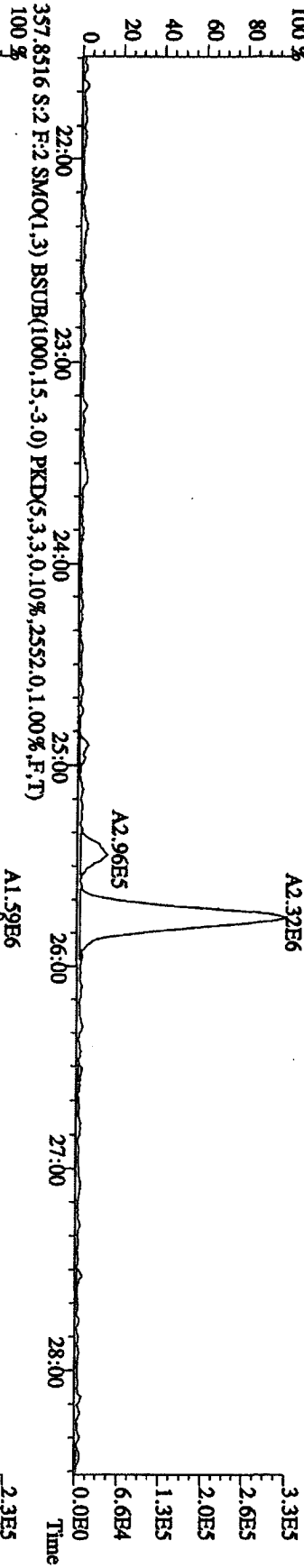
351.9000 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9020,0.1,00%,F,T)



353.8970 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,10368,0.1,00%,F,T)

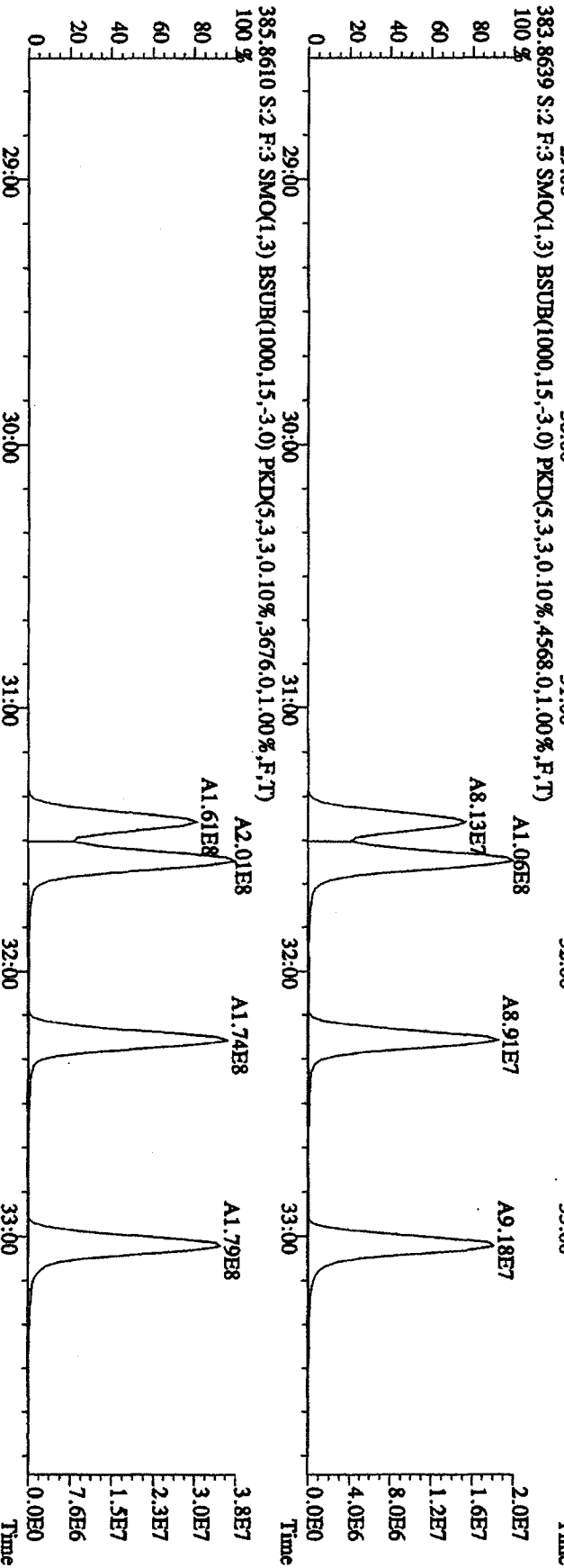
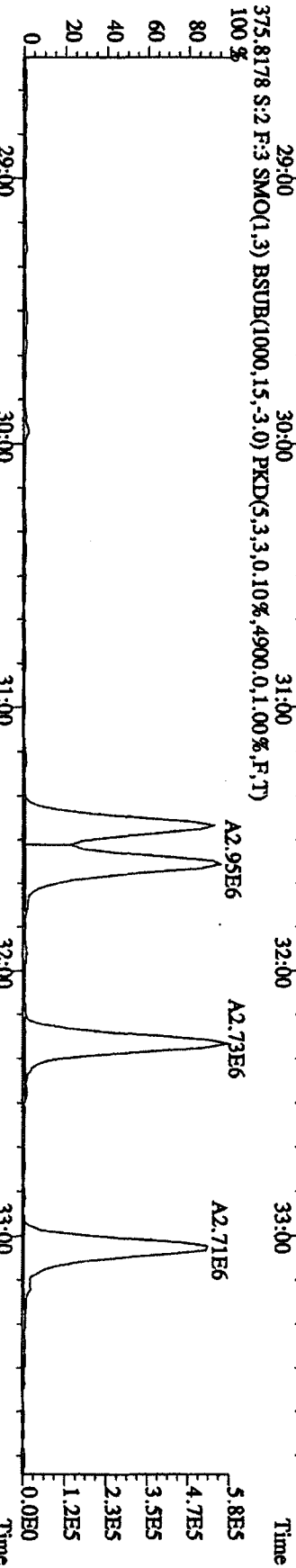
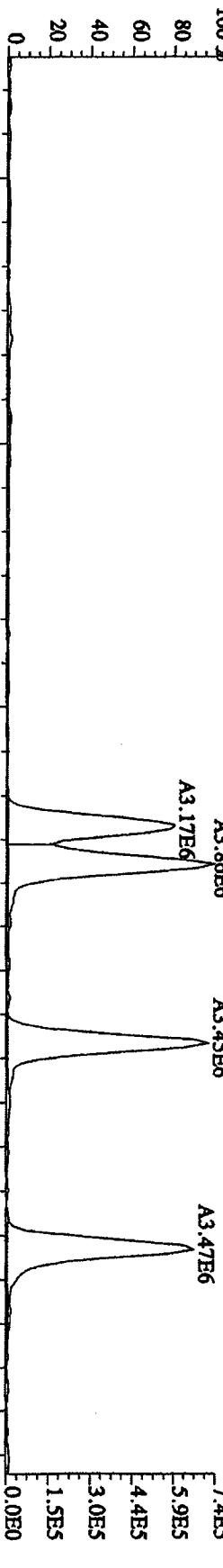


FILE:31DE09AID5 #1-495 A.e.g: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 355.8546 S:2 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5340,0.1,00%,F,T)

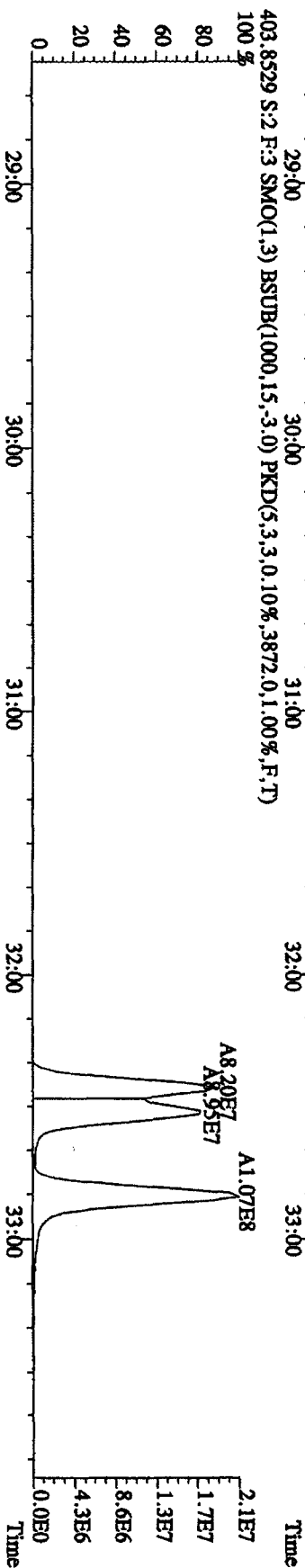
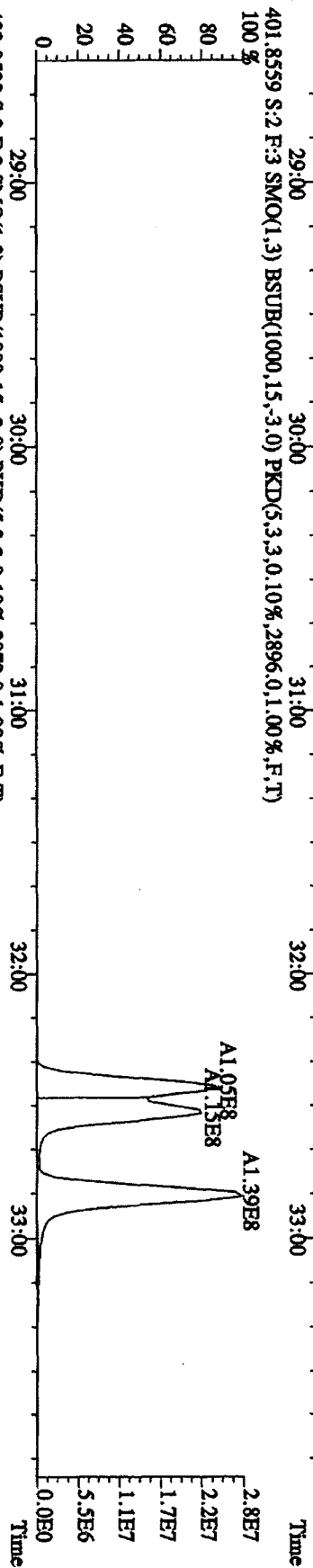
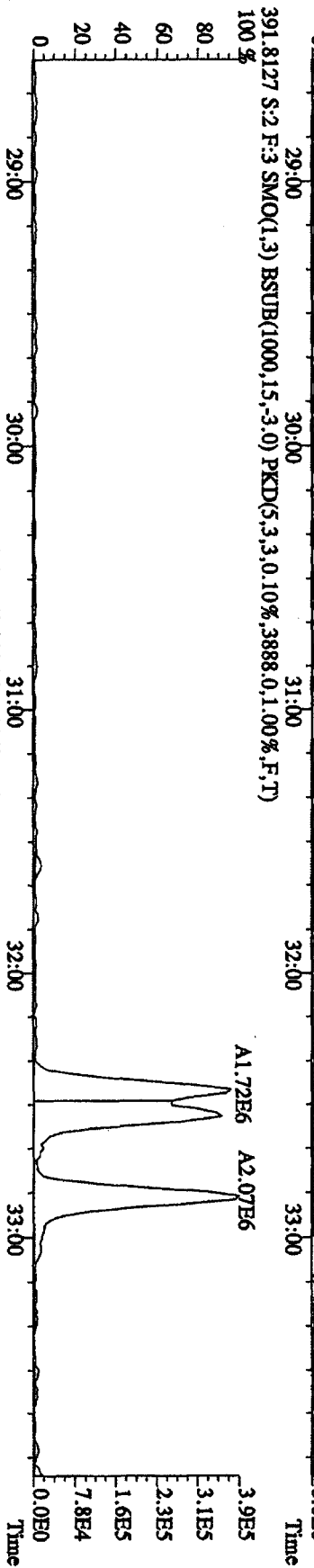
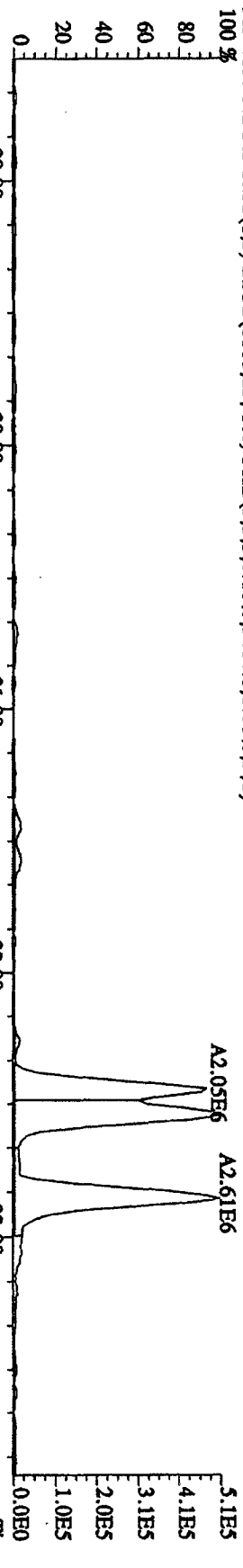


File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE

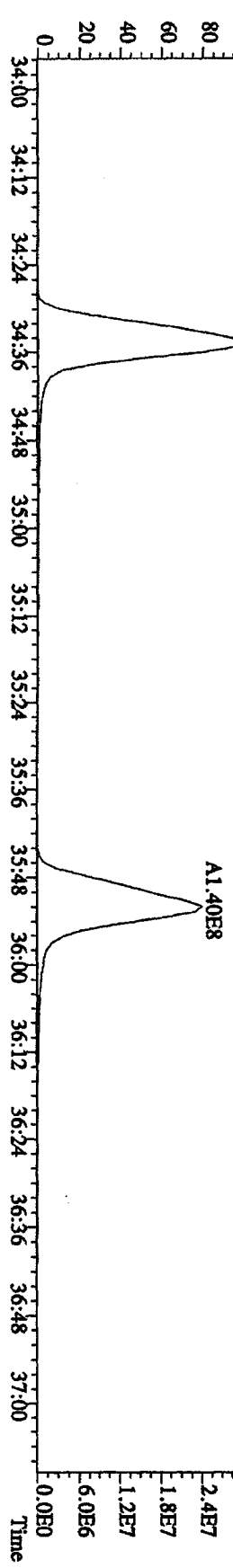
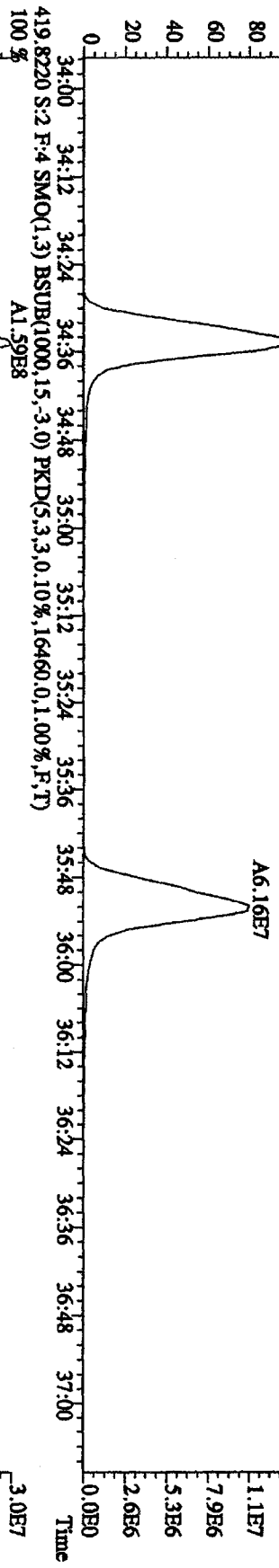
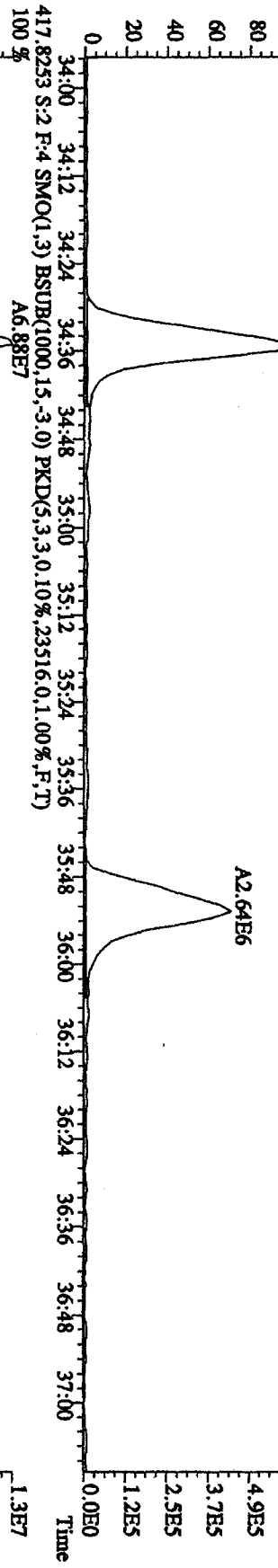
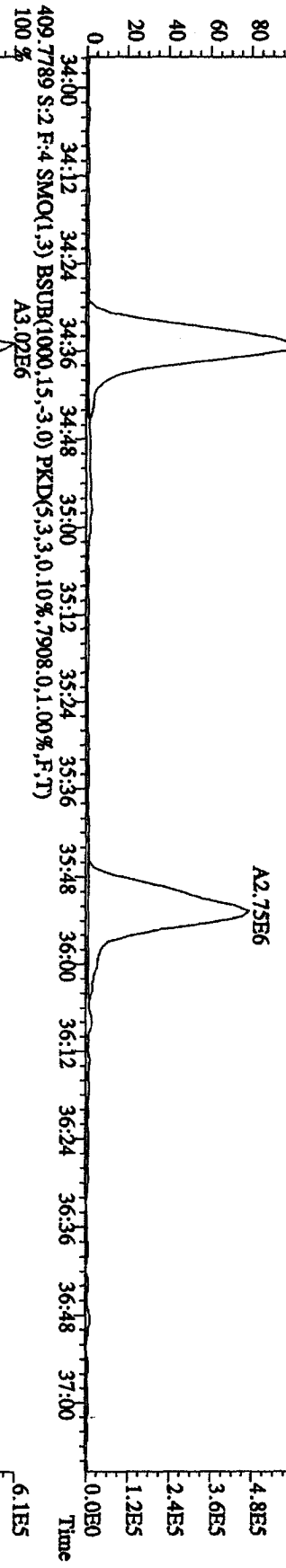
Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN



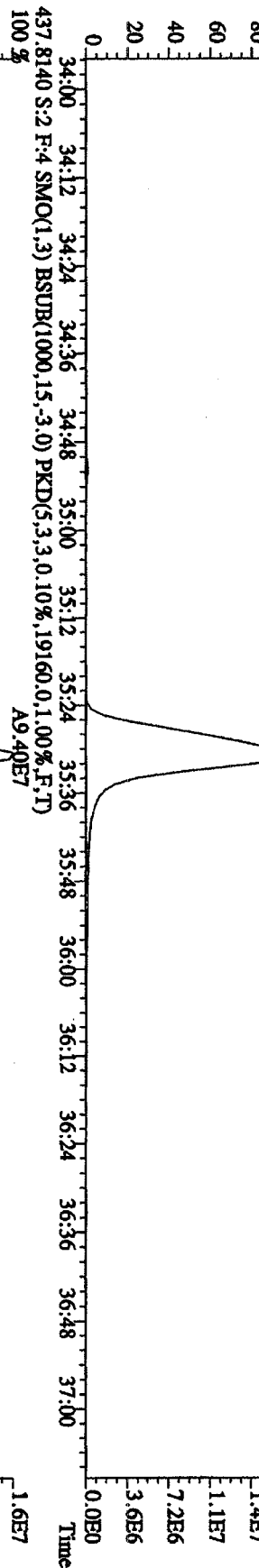
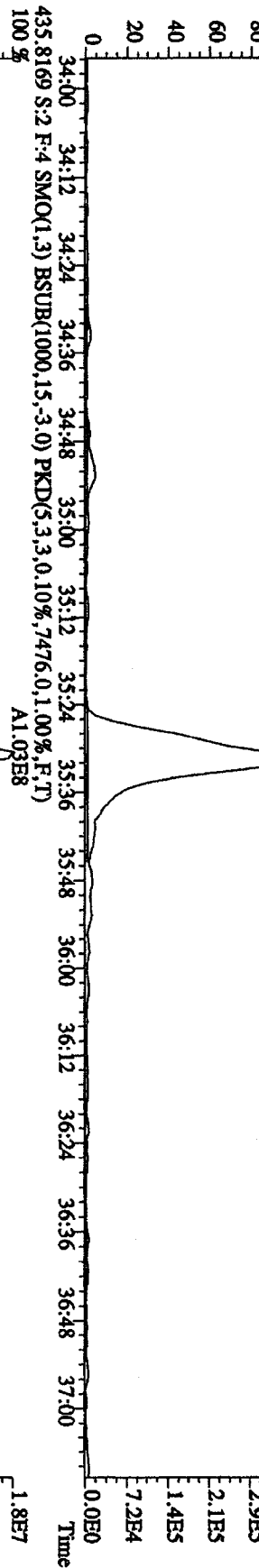
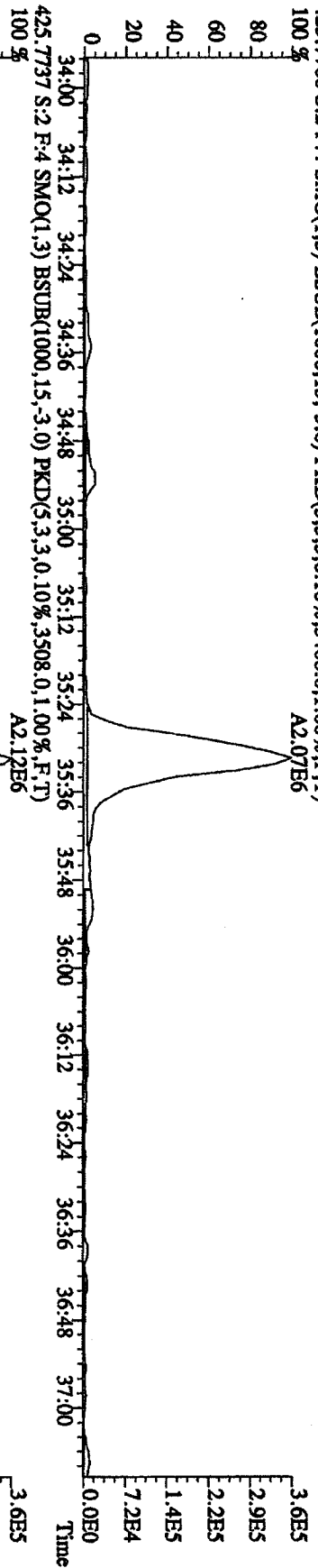
File: 31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text: ST1231B :CS-1 09DXN422 Exp: DIOXIN
 389.8157 S:2 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3464,0.1,00%,F,T) 100%



File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 407.7818 S:2 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7184,0.1,00%,F,T)
 100 %



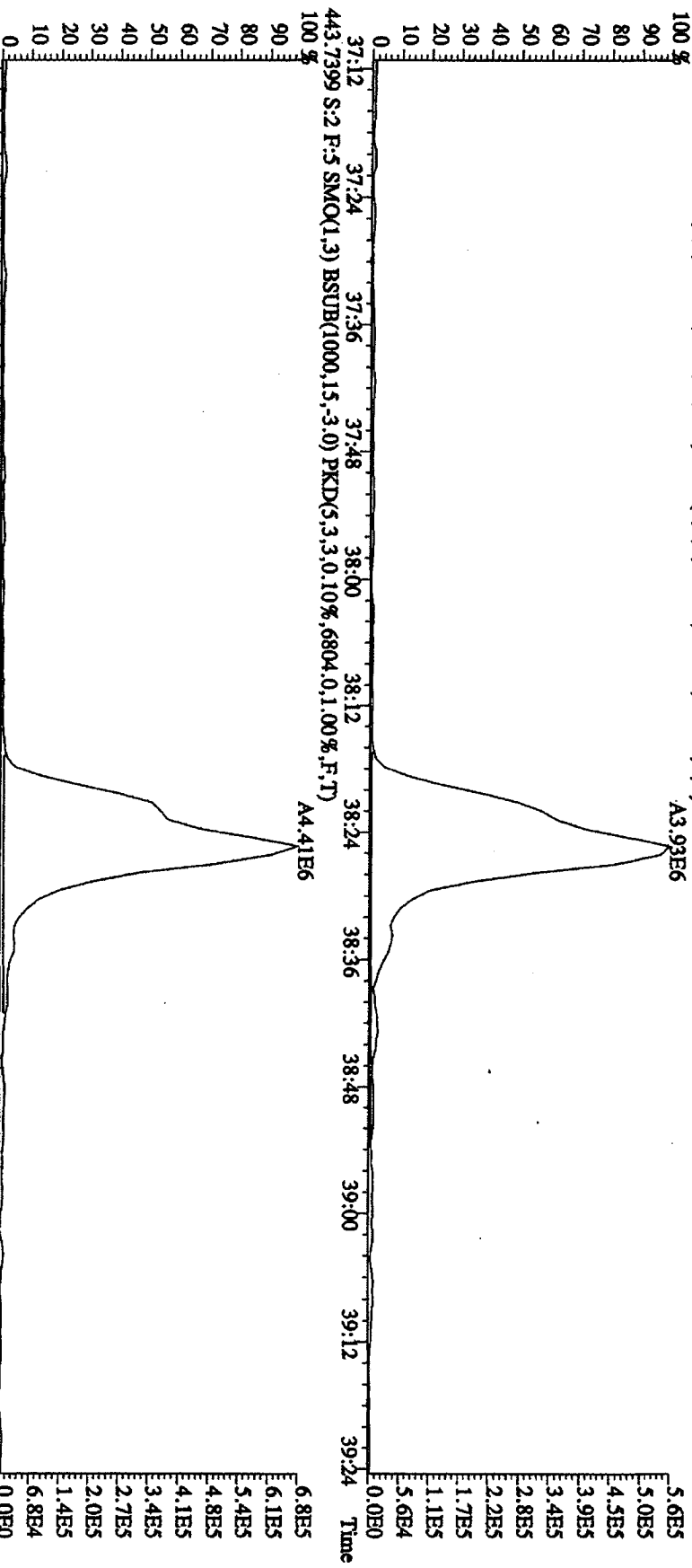
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DDXN422 Exp:DIOXIN
 423.7737 S:2 F:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3468,0.1,00%,F,T)
 100 %



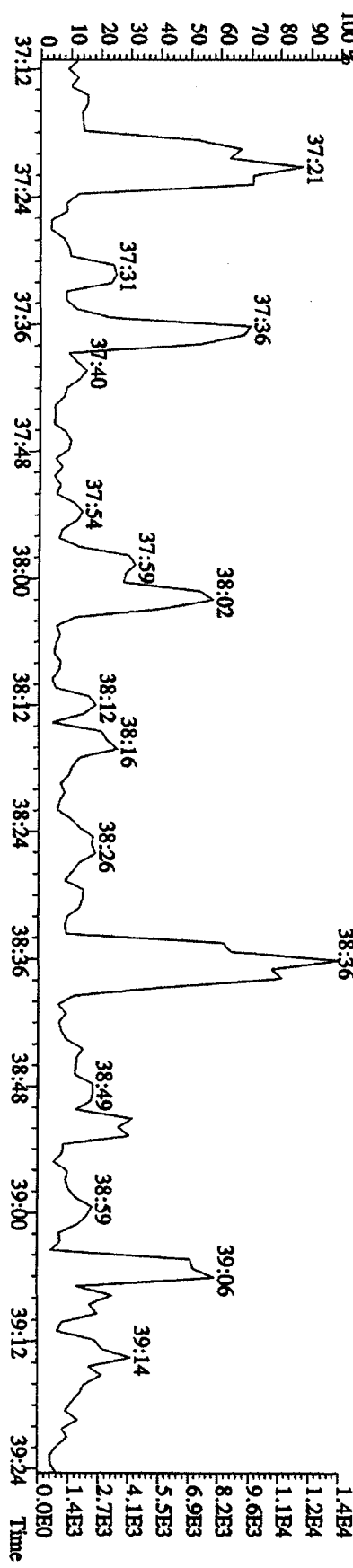
34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 35:36 35:48 36:00 36:12 36:24 36:36 36:48 37:00
 Time

File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN

441.7428 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3772,0,1,00%,F,T)
 100%



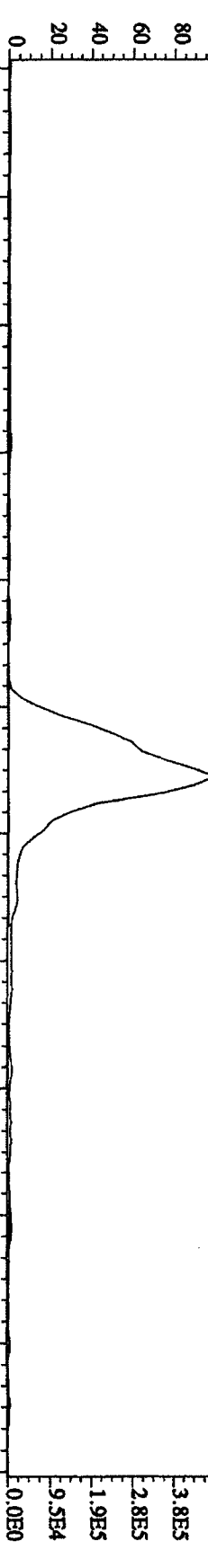
513.6775 S:2 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,5,100,00%,1620,0,1,00%,F,T)
 100%



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE Exp:DIOXIN

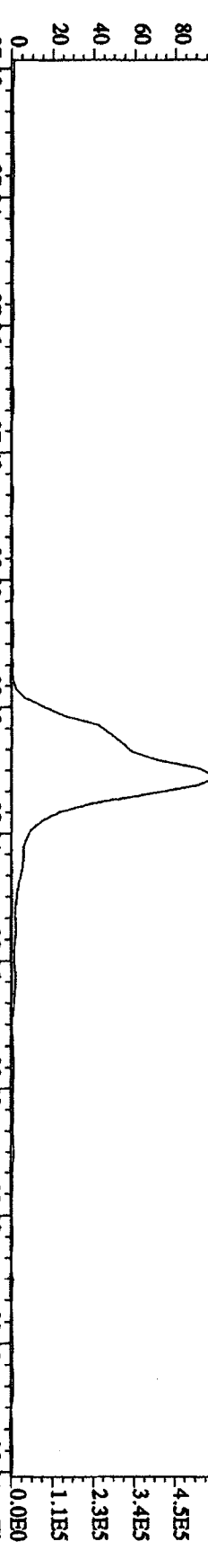
Sample#2 Text:ST1231B :CS-1 09DXN422

4.7E5



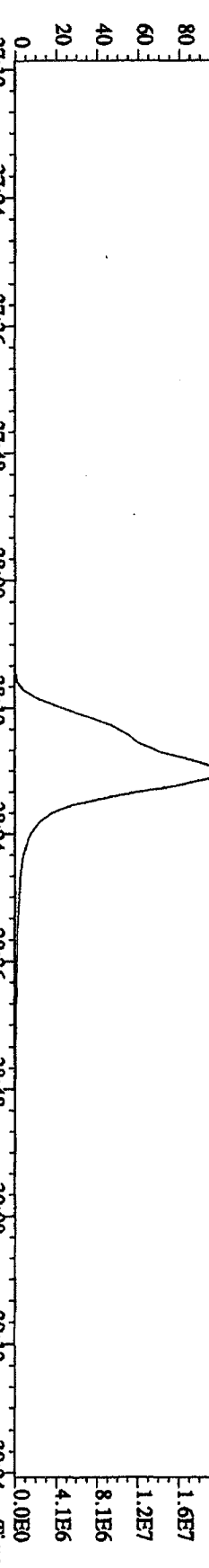
459.7348 S:2 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4240,0,1.00%,F,T)

5.7E5



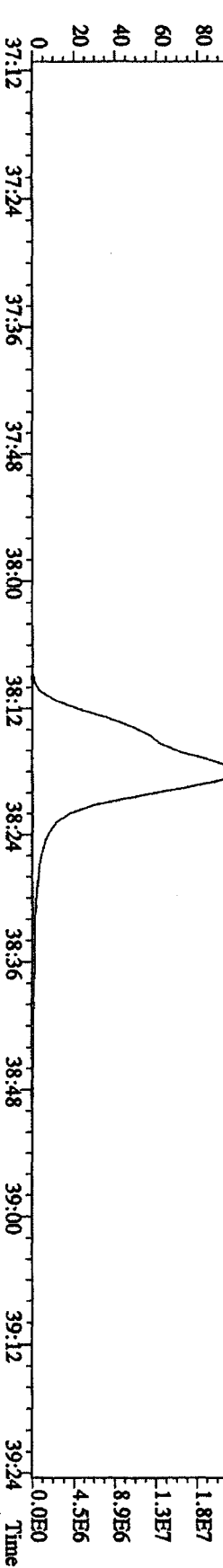
469.7779 S:2 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11372,0,1.00%,F,T)

2.0E7

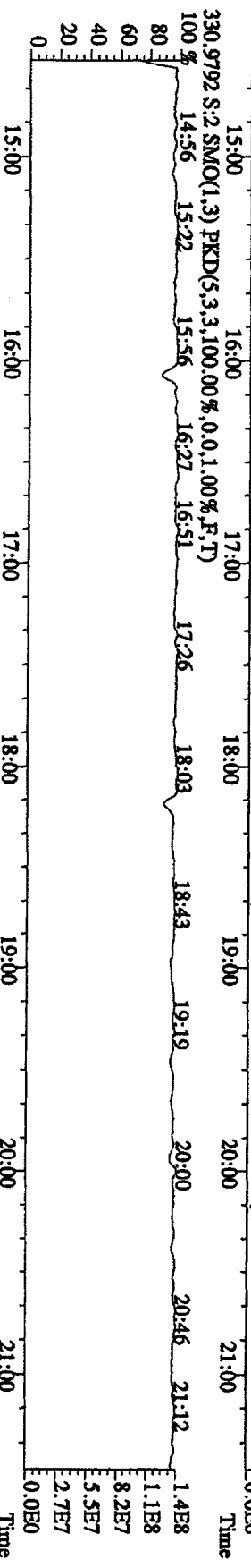
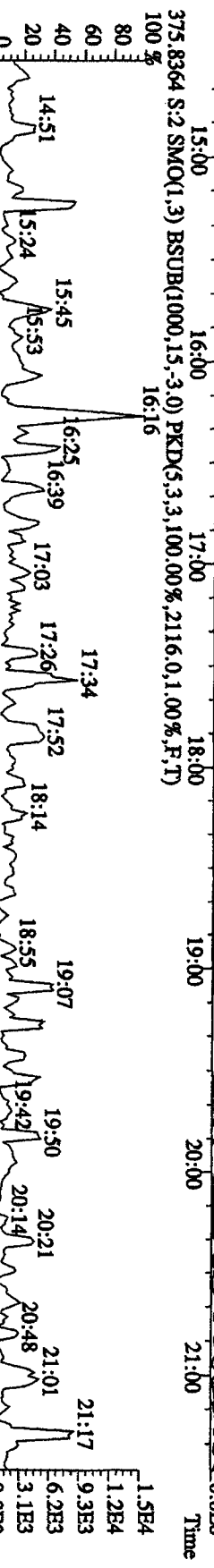
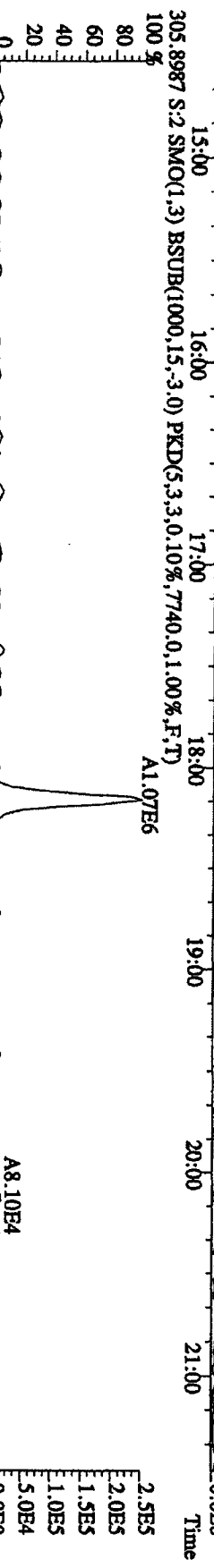
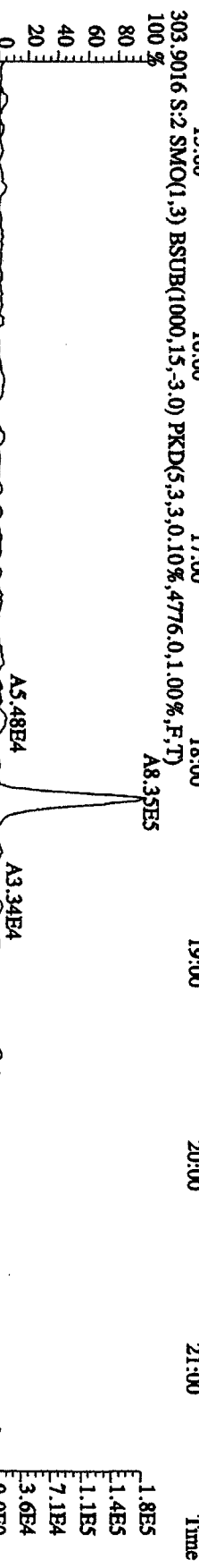
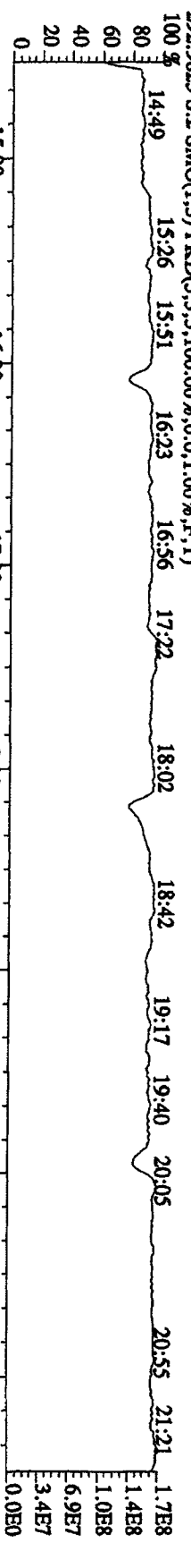


471.7750 S:2 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19756,0,1.00%,F,T)

2.2E7

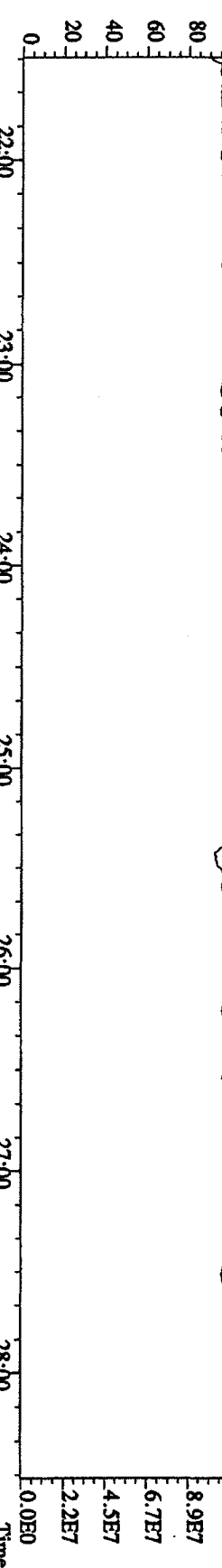


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1-09DXN422 Exp:DIOXIN

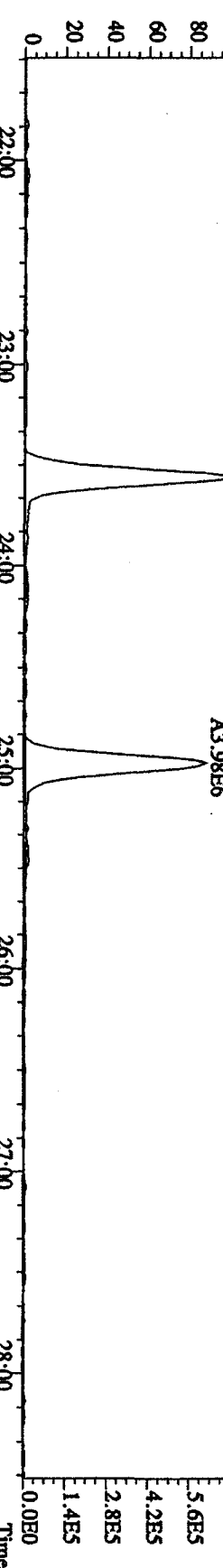


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DYN422 Exp:DIOXIN

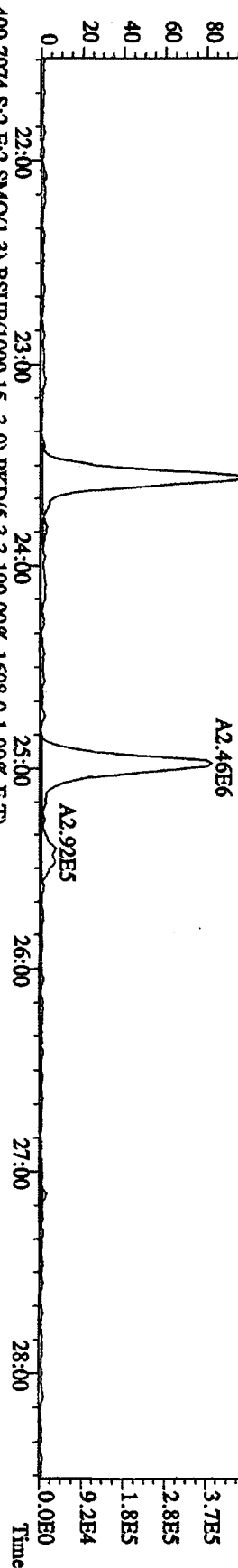
342.9792 S:2 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 21:47 22:18 23:03 23:37 24:00 24:22 24:46 25:18 25:39 26:02 26:41 27:17 27:53



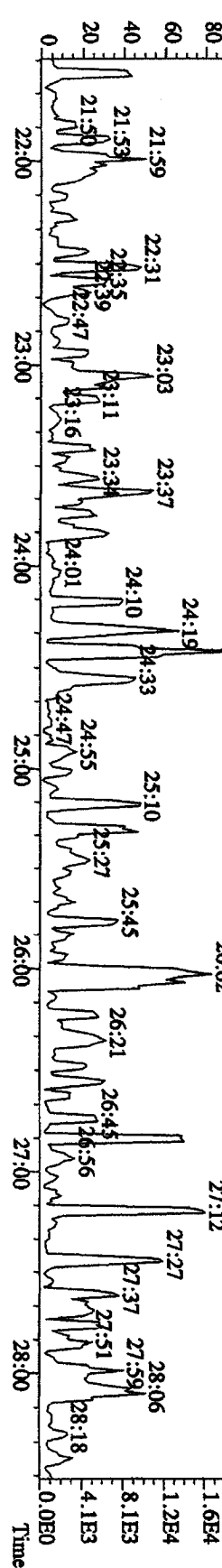
339.8597 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4700,0.1,00%,F,T)
 100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00



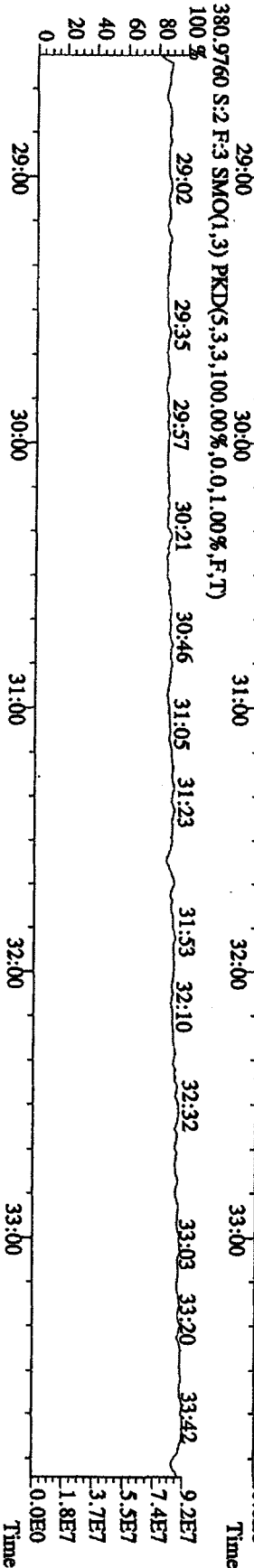
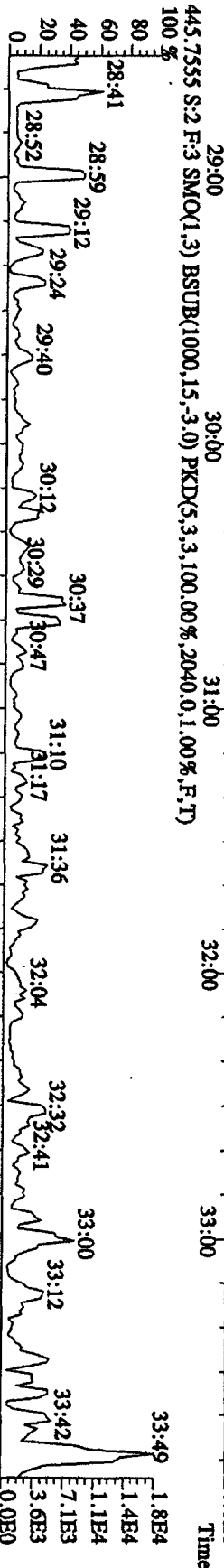
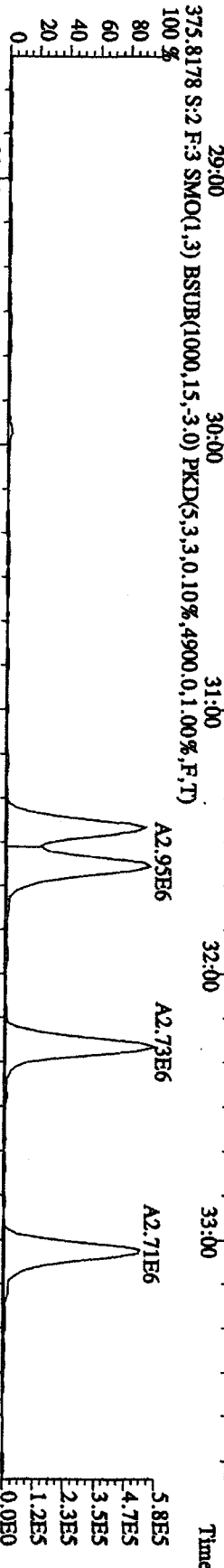
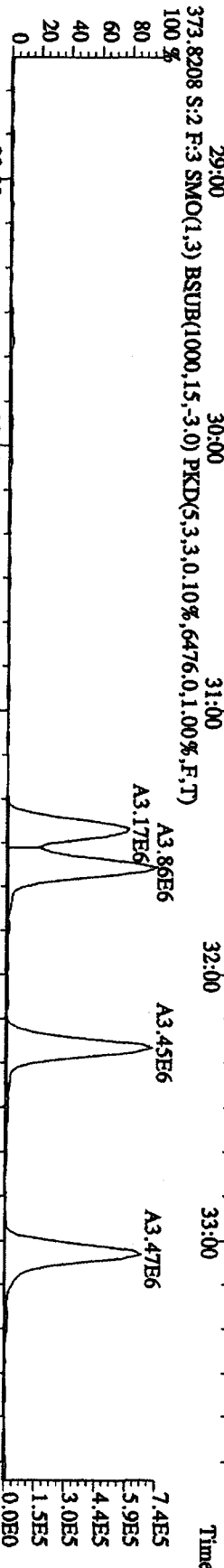
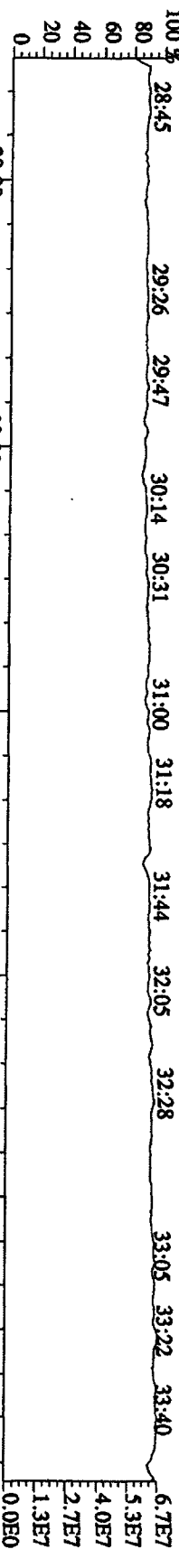
341.8567 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5860,0.1,00%,F,T)
 100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00



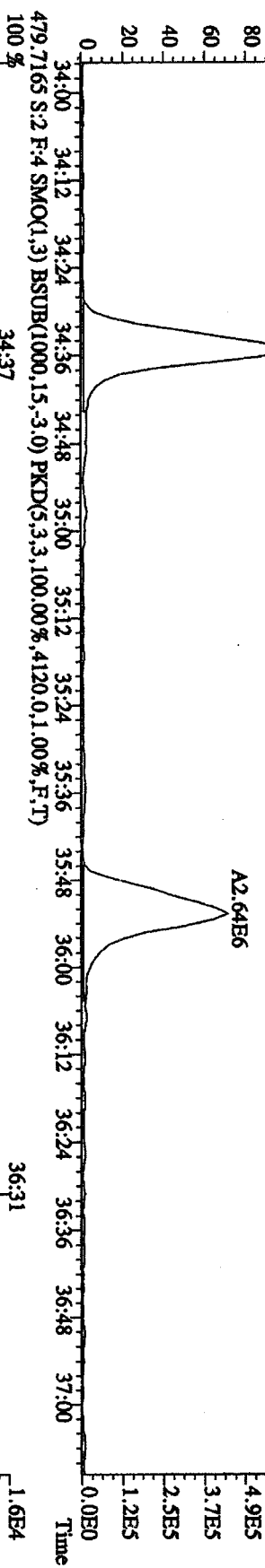
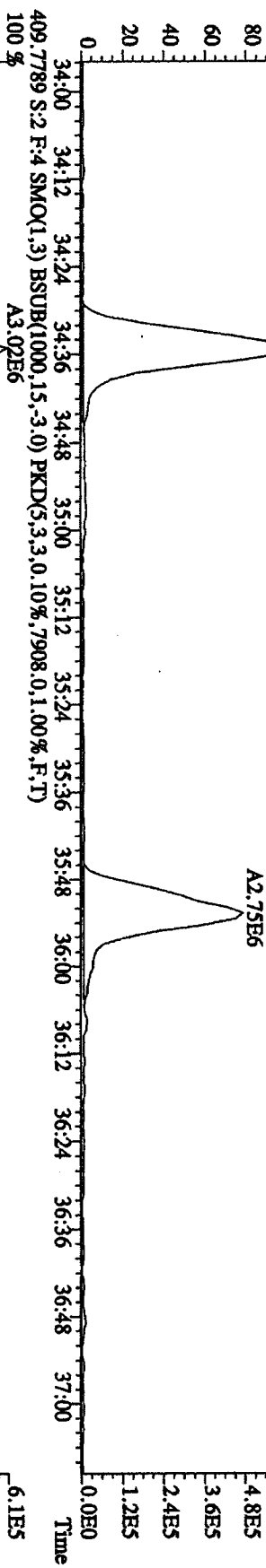
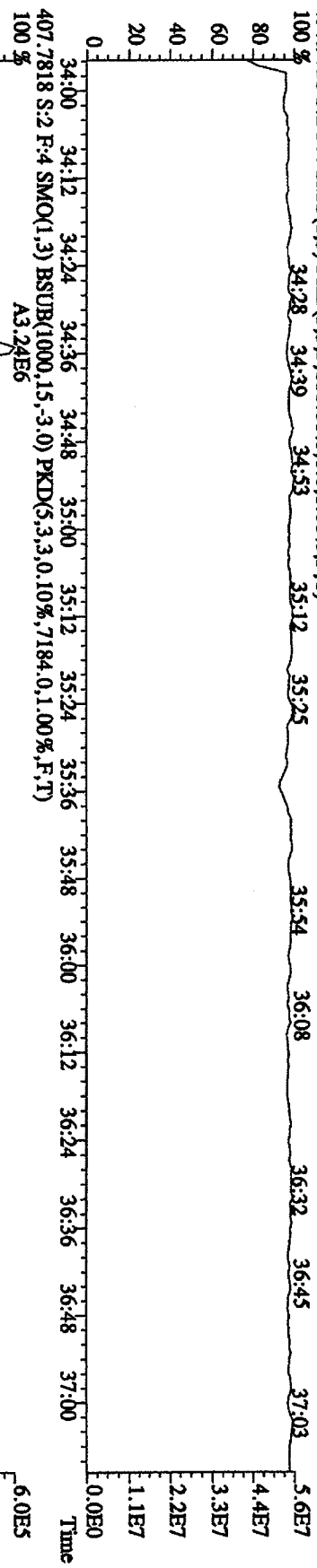
409.7974 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1608,0.1,00%,F,T)
 100% 22:00 23:00 24:00 25:00 26:00 27:00 28:00



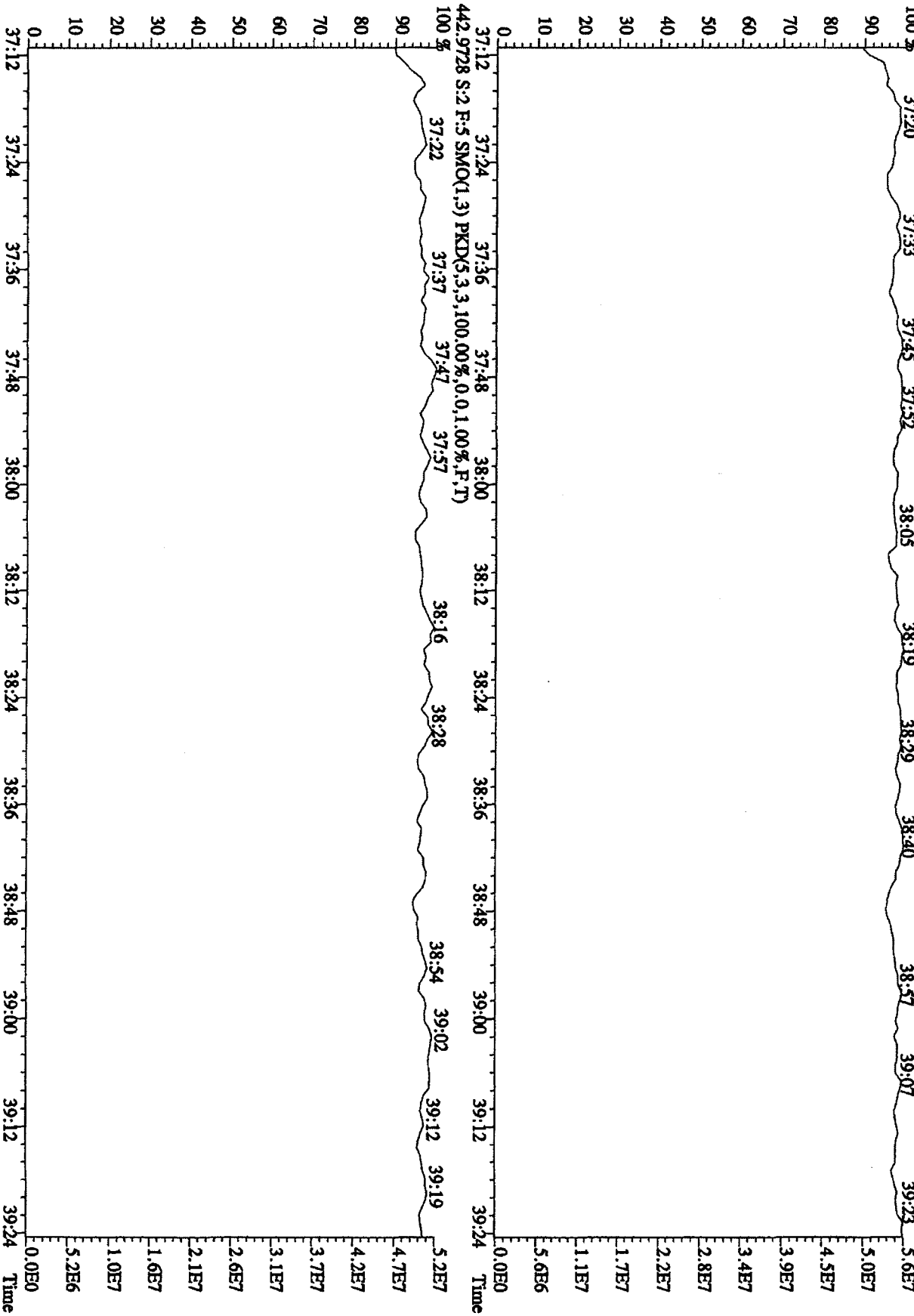
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 00:09:07 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp.:DIOXIN
 392.9760 S:2 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



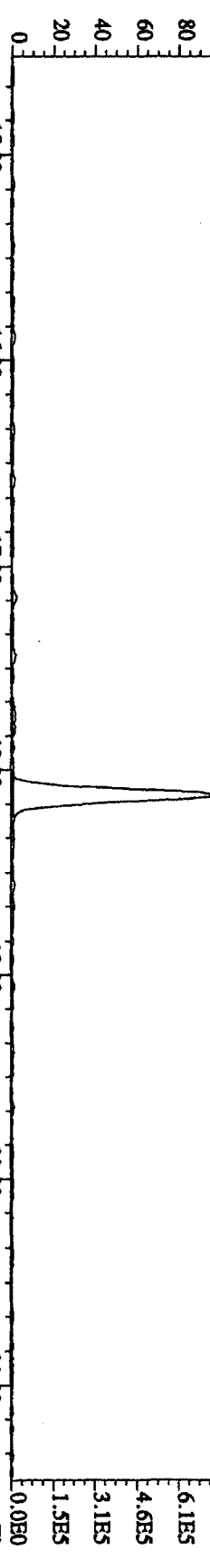
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 430.9728 S:2 F:4 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)
 479.7165 S:2 F:4 SMO(1.3) BSUB(1000.15,-3.0) PKD(5.3,3.100.00%,4120.0,1.00%,F,T)



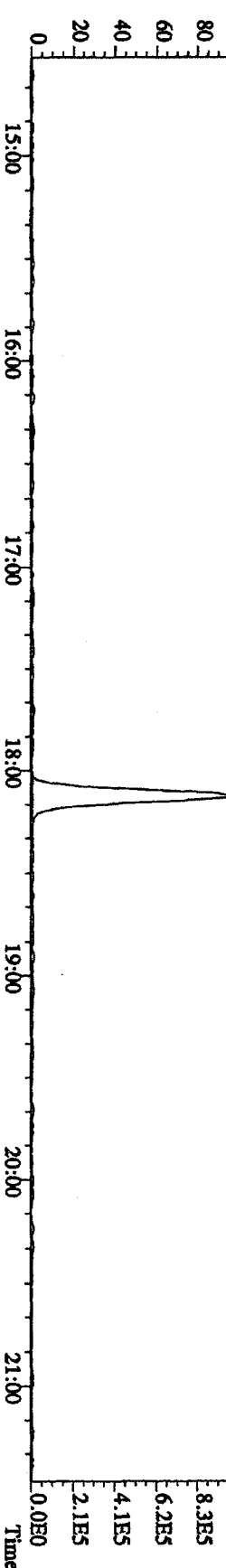
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:09:07 GC EI + Voltage SIR 70SE
 Sample#2 Text:ST1231B :CS-1 09DXN422 Exp:DIOXIN
 454.9728 S:2 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 37:20 37:33 37:45 37:52 38:05 38:19 38:29 38:40 38:57 39:07 39:23 5.6E7



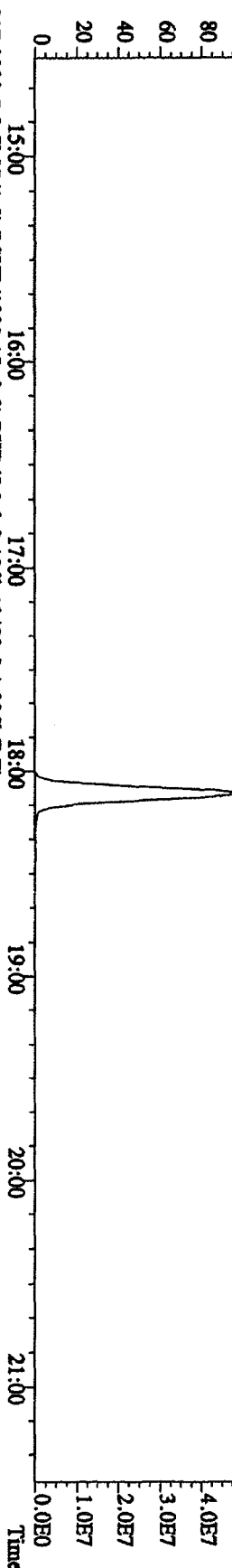
File: 31DE09AID5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text: ST1231C :CS-2 09DXN423 Exp: DIOXIN
 303.9016 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5052,0,1,00%,F,T)
 100% A3.33E6



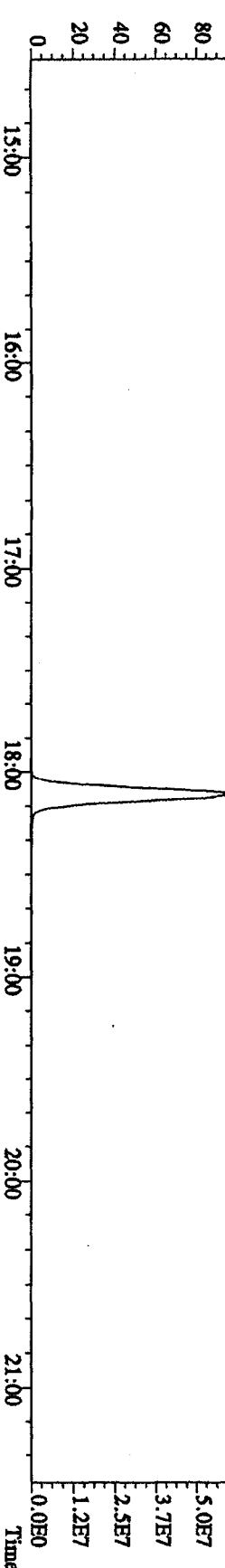
305.8987 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6856,0,1,00%,F,T)
 100% A4.39E6



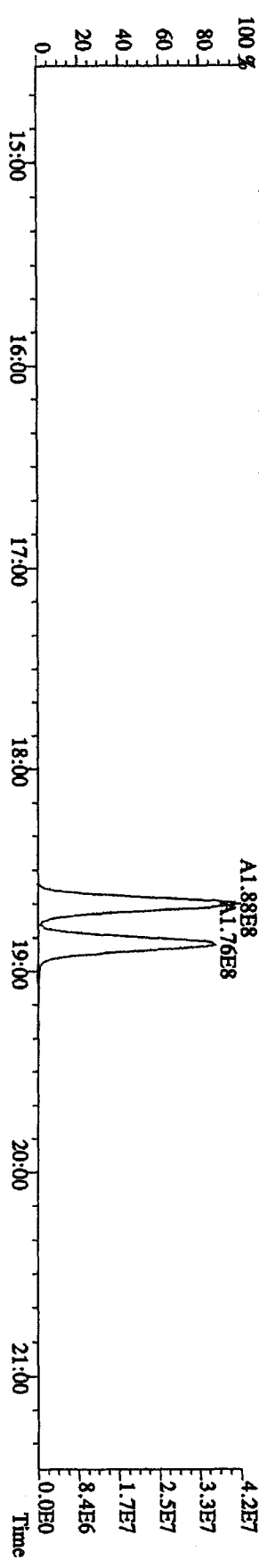
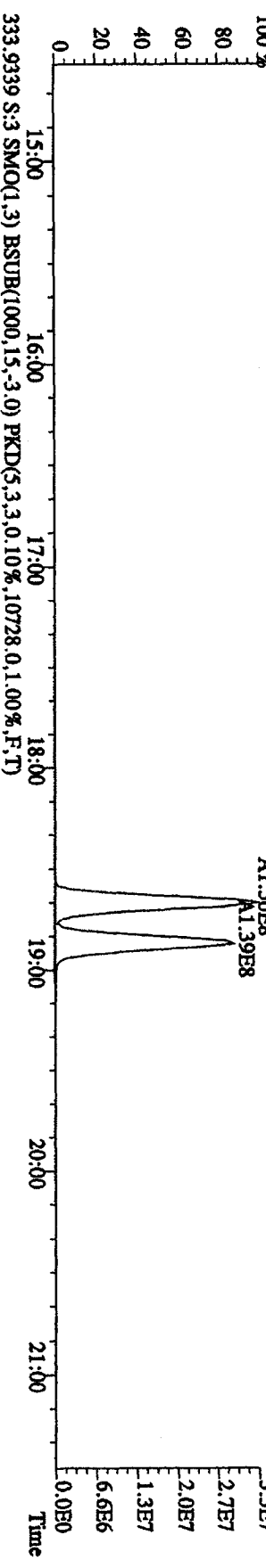
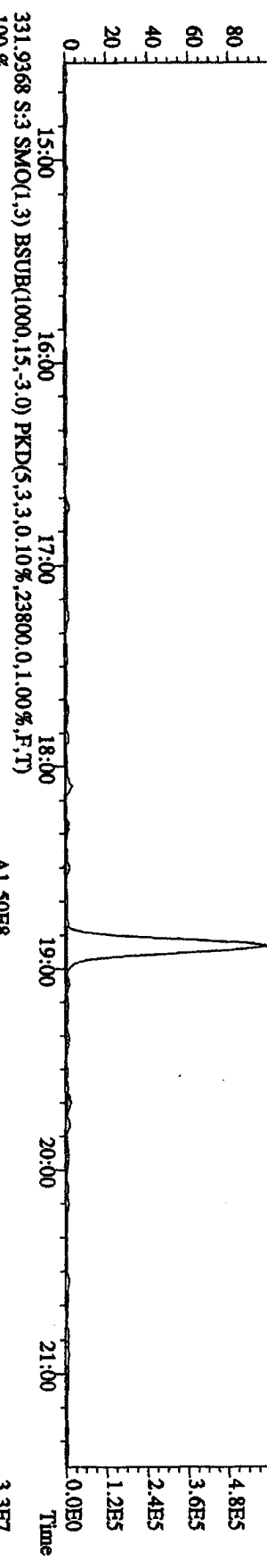
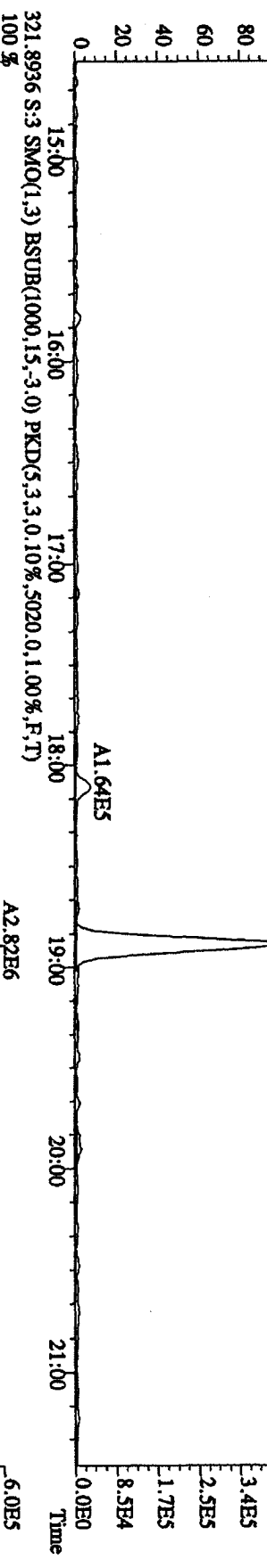
315.9419 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,15604,0,1,00%,F,T)
 100% A2.22E8



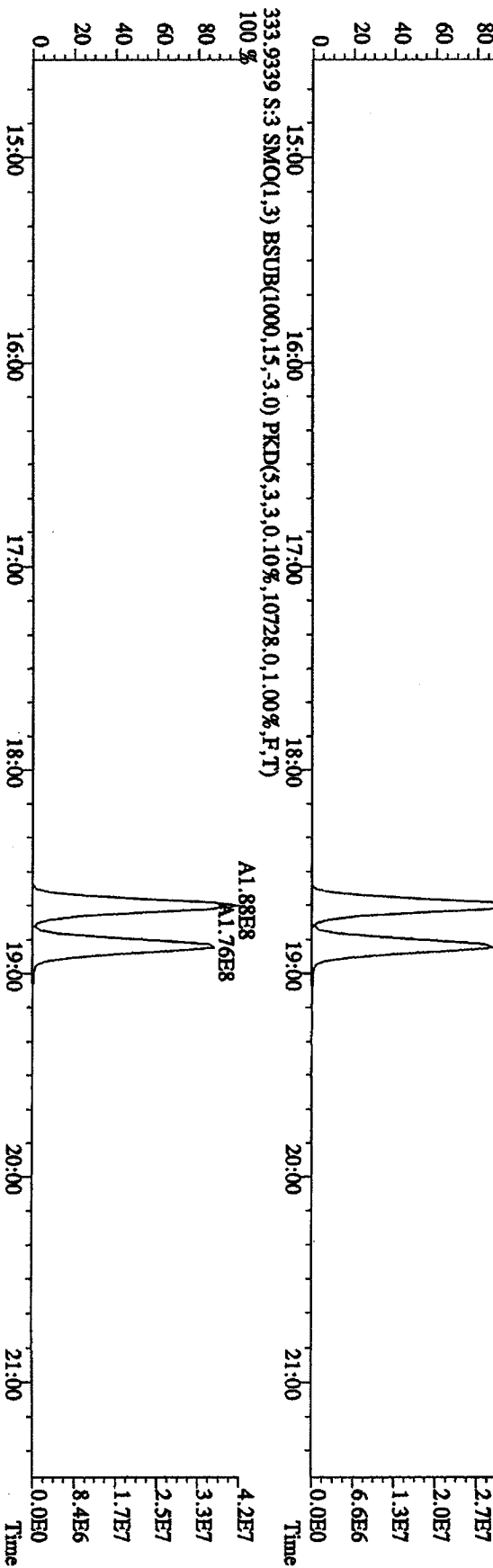
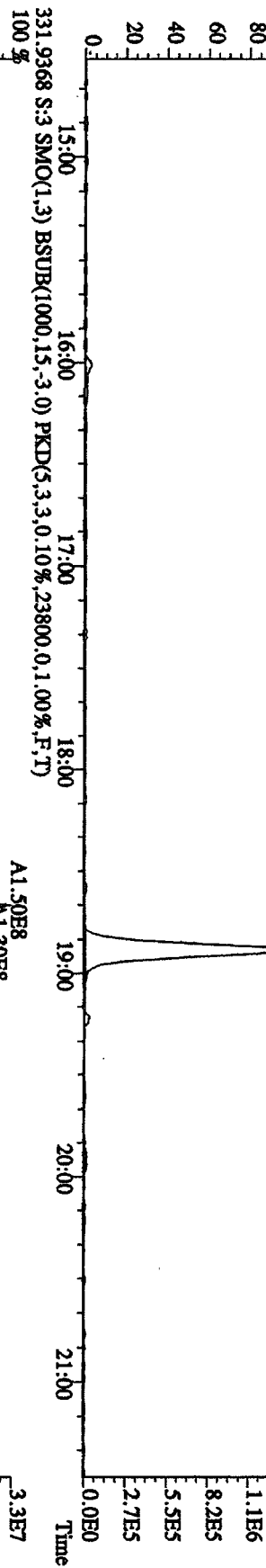
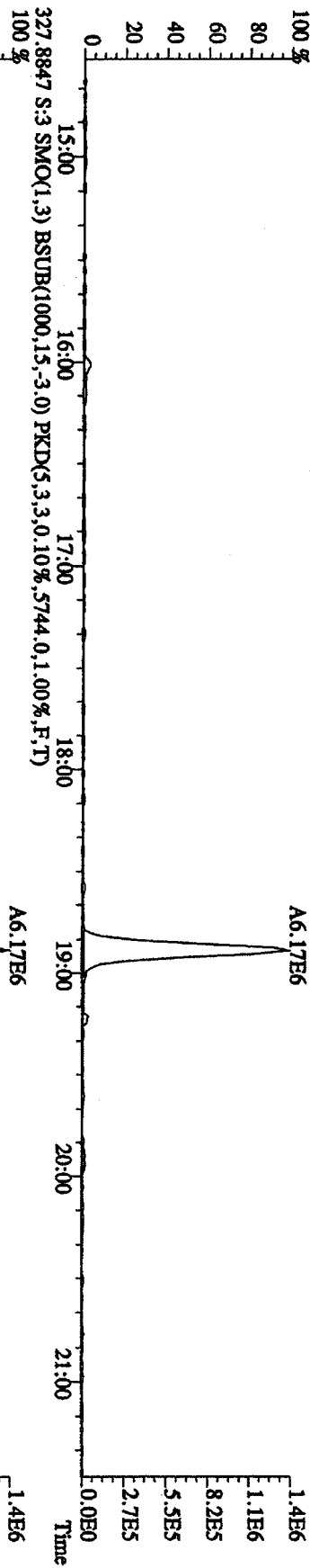
317.9389 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13492,0,1,00%,F,T)
 100% A2.79E8



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 319.8965 S:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,4932,0.1,00%,F,T) 100 %



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2-09DXN423 Exp:DIOXIN
 327.8847 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,5744.0,1.00%,F,T)



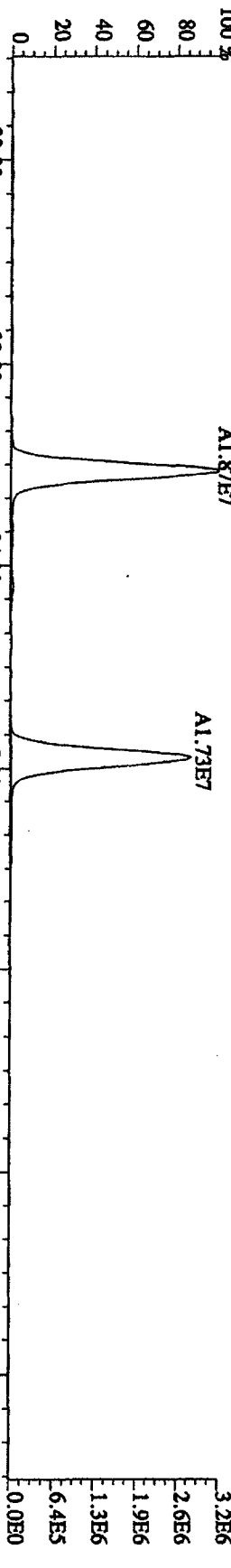
File:31DE09AID5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

339.8597 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5496,0,1,00%,F,T)

A1.87E7

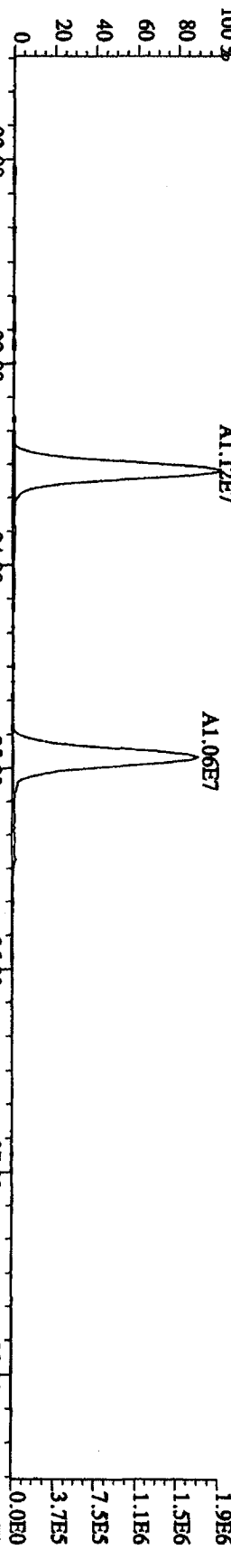
A1.73E7



341.8567 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6964,0,1,00%,F,T)

A1.12E7

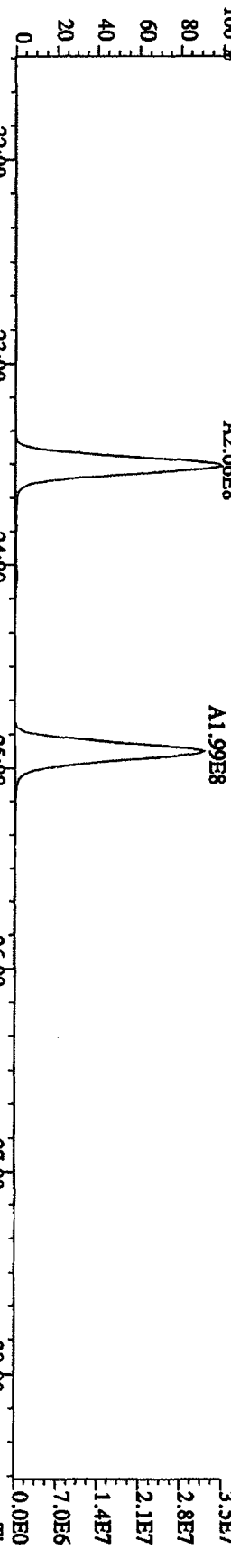
A1.06E7



351.9000 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13396,0,1,00%,F,T)

A2.06E8

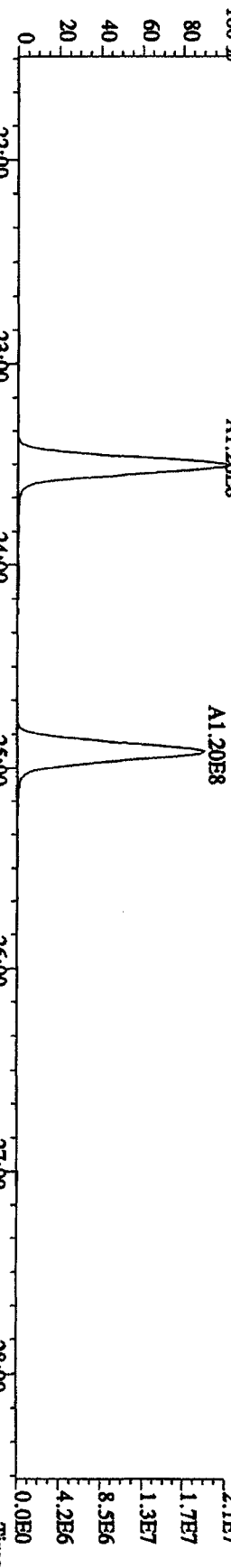
A1.99E8



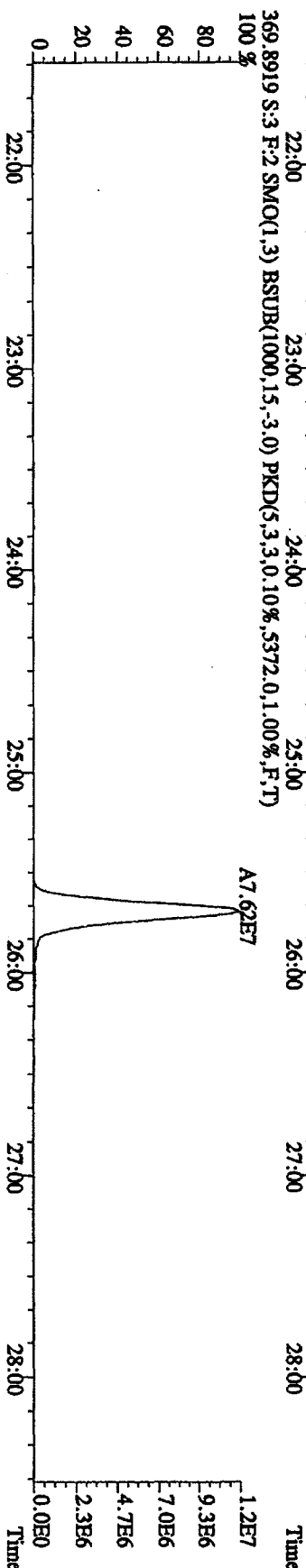
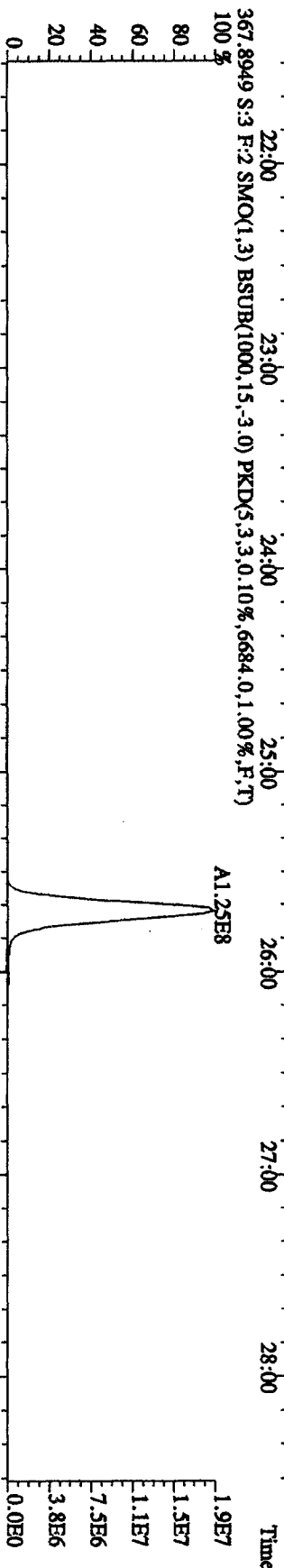
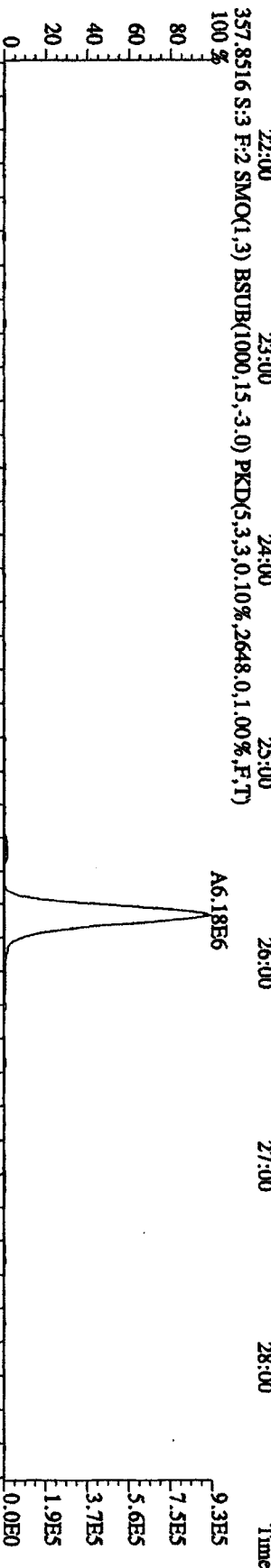
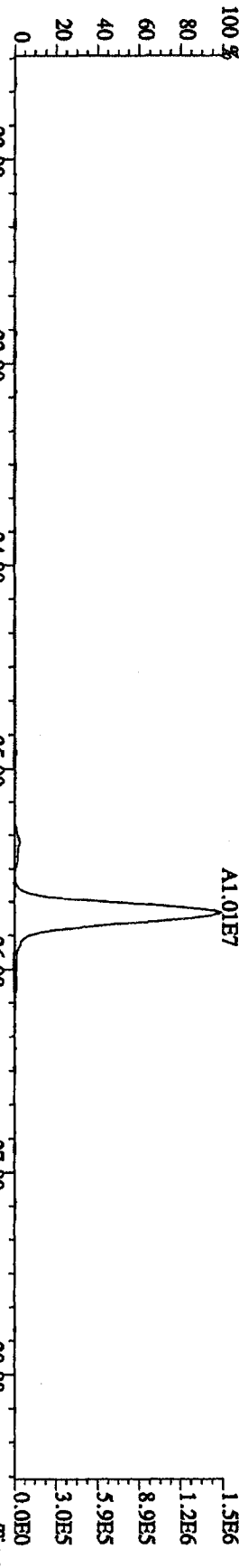
353.8970 S:3 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9140,0,1,00%,F,T)

A1.26E8

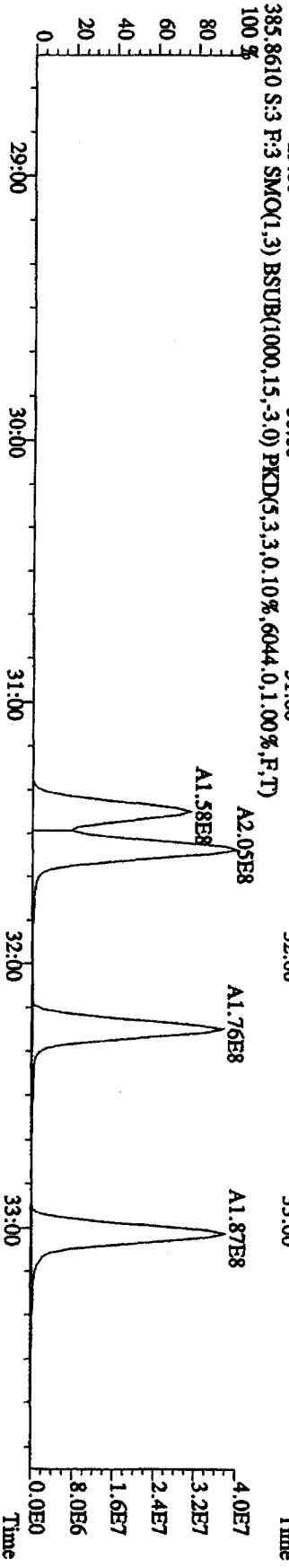
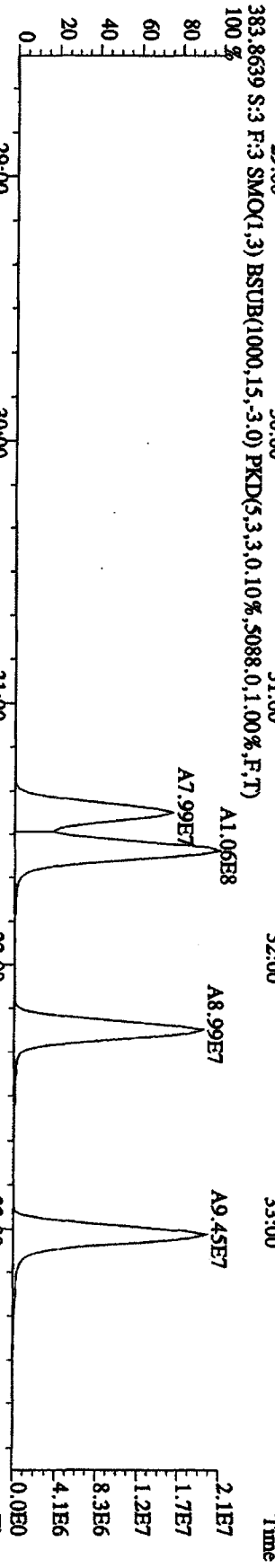
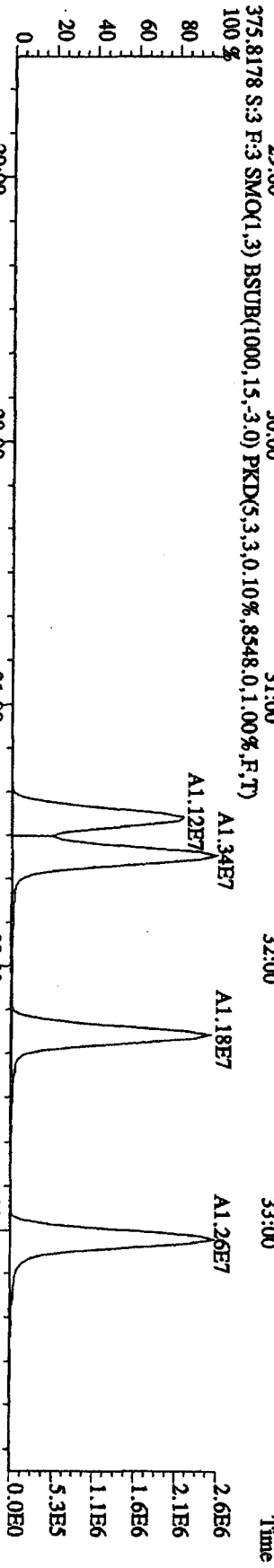
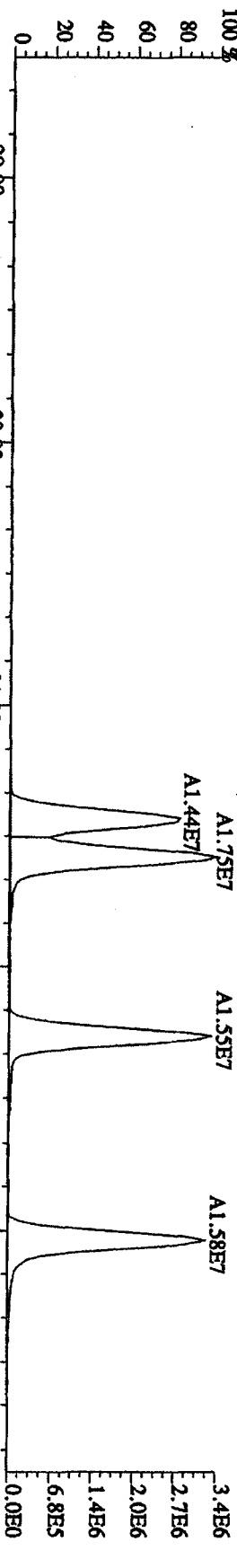
A1.20E8



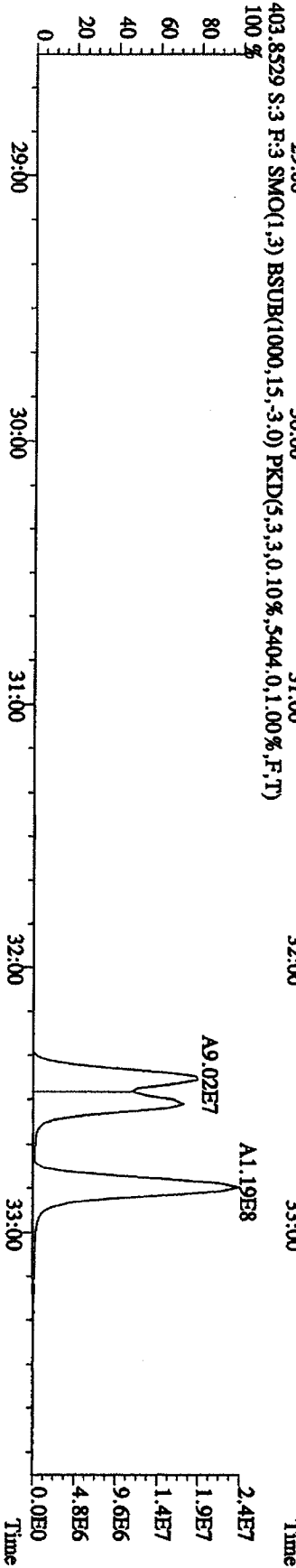
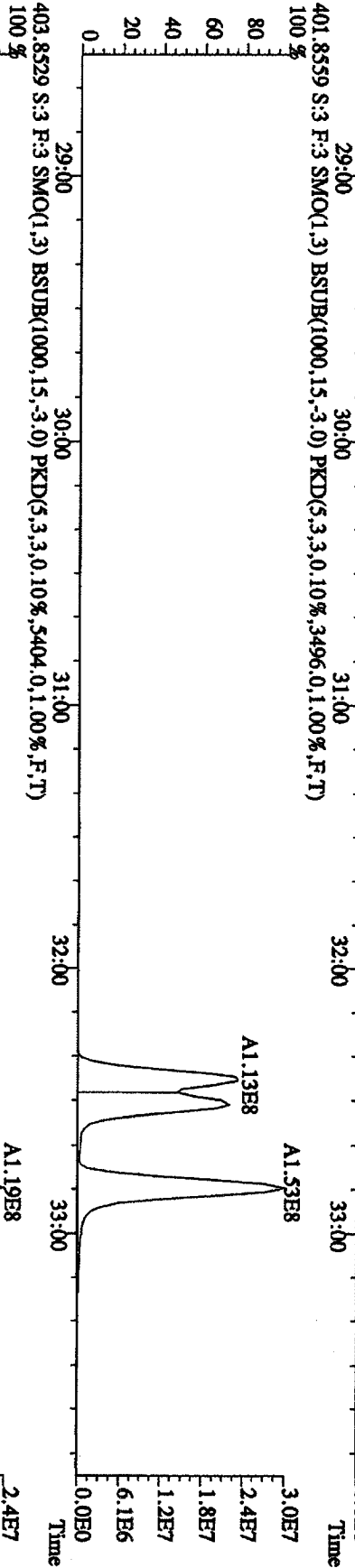
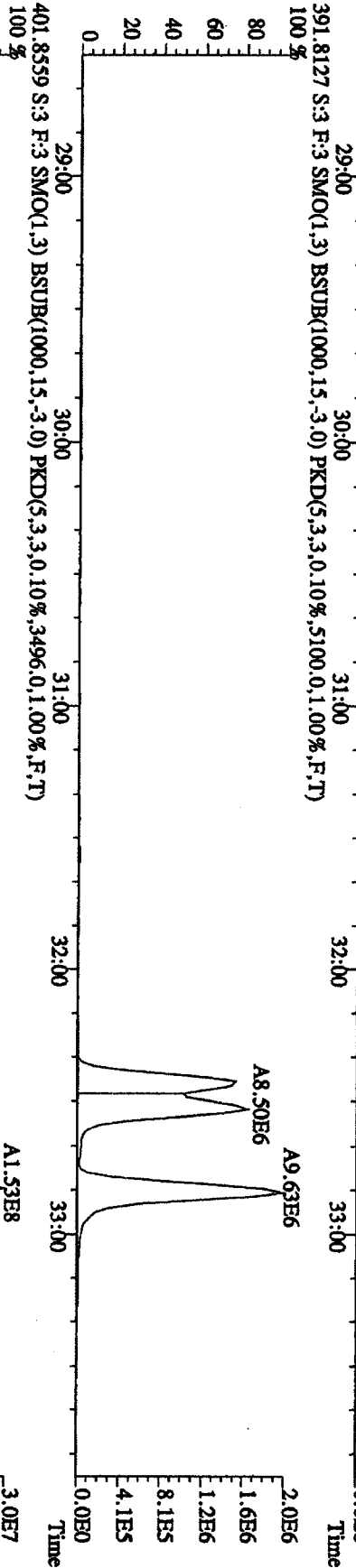
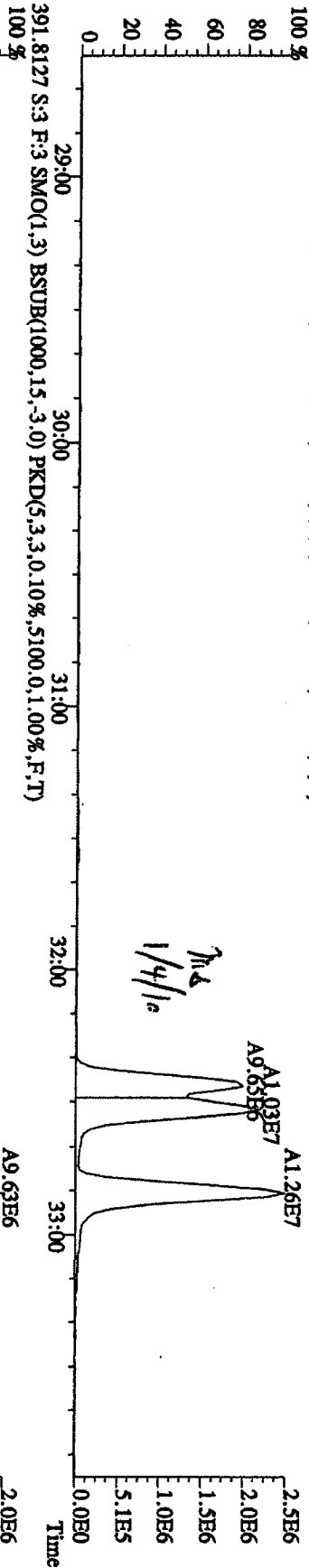
File: 31DE09A1D5 #1-495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text: ST1231C :CS-2 09DXN423 Exp: DIOXIN
 355.8546 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5316.0,1.00%,F,T)
 100%



File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI + Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 373.8208 S:3 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8548,0,1,00%,F,T)



File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2.09DDXN423 Exp:DIOXIN
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,4340,0.1,00%,F,T)
 100 %

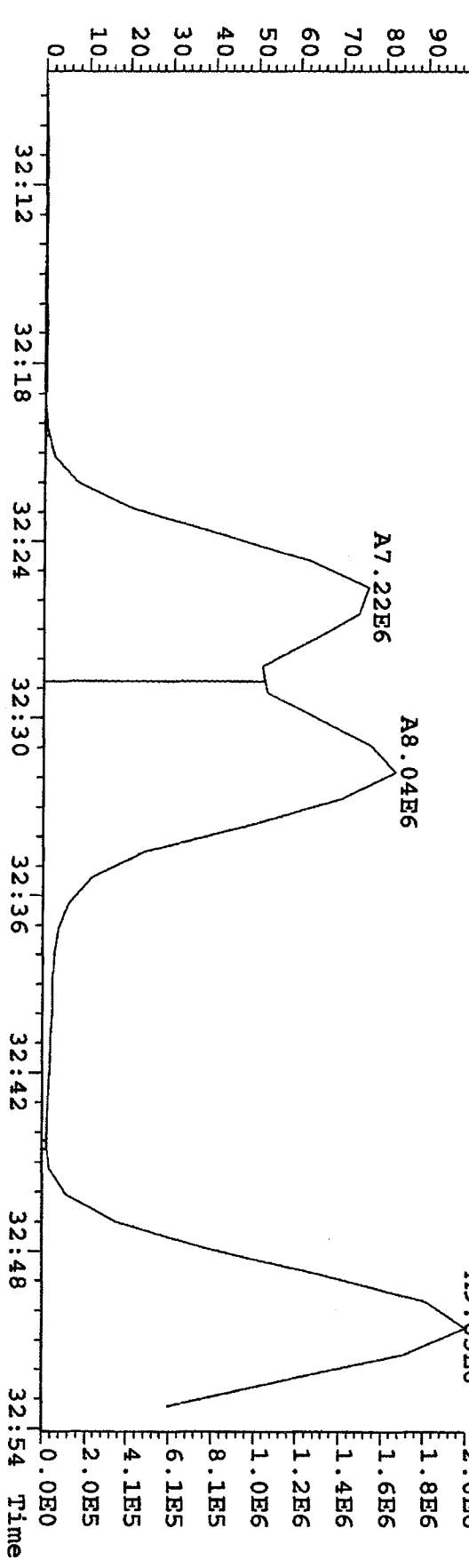
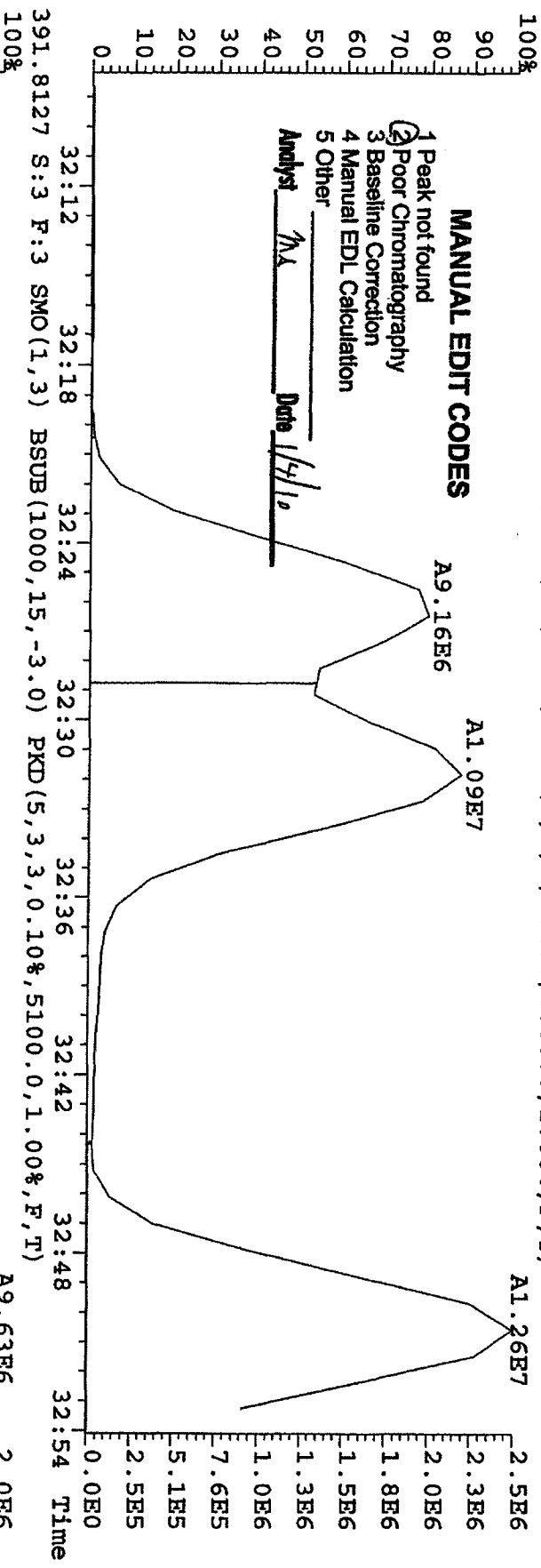


File: 31DE09AID5 #1-362 Acq: 1-JAN-2010 00:50:55 GC RT+ Voltage SIR 70SE
 Sample#3 Text: ST1231C : CS-2 09DXN423 Exp: DIOXIN
 389.8157 S:3 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4340.0,1.00%,F,T)

MANUAL EDIT CODES

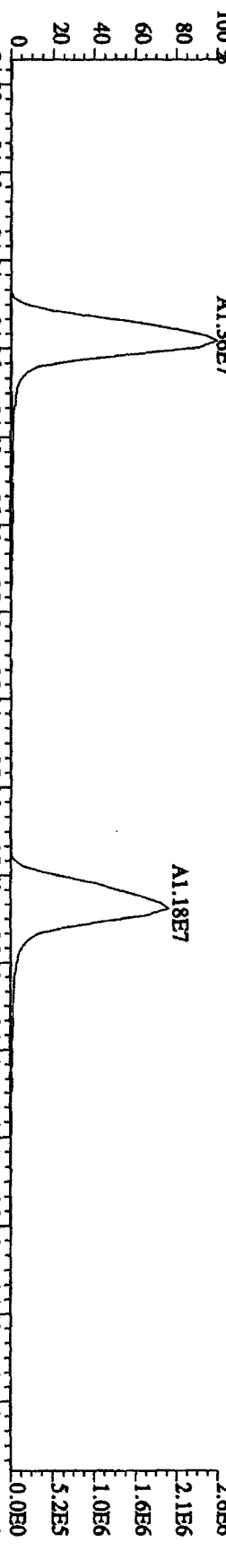
- 1 Peak not found
- 2 Poor Chromatography
- 3 Baseline Correction
- 4 Manual EDL Calculation
- 5 Other

Analyst NA Date 1/2/10

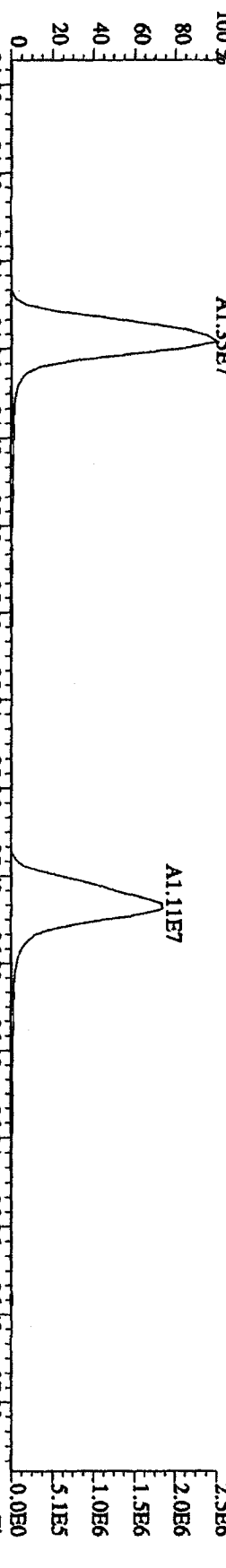


File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

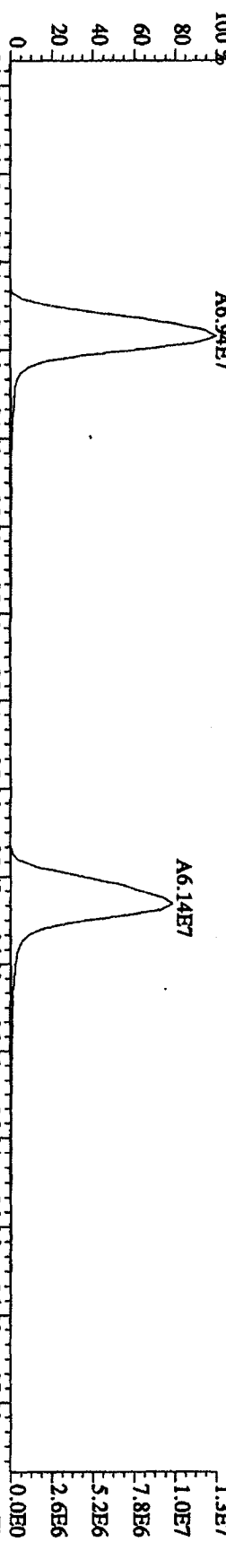
Sample#3 Text:ST1231C -CS-2 09DXN423 Exp:DIOXIN



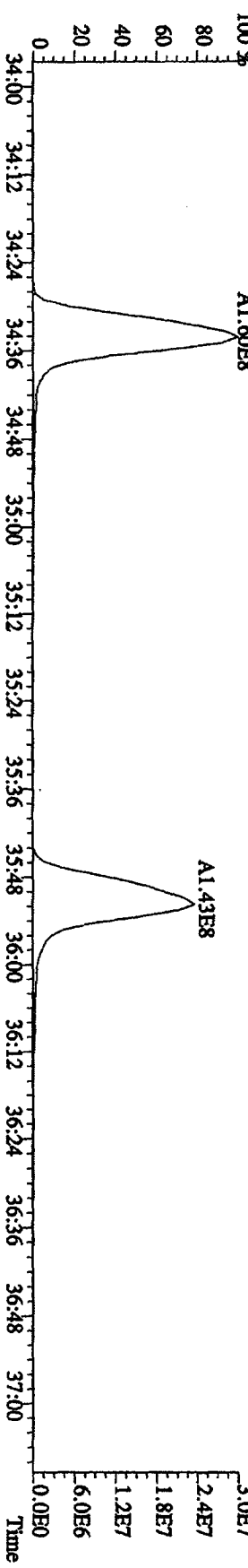
409.7789 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8216.0,1.00%,F,T)



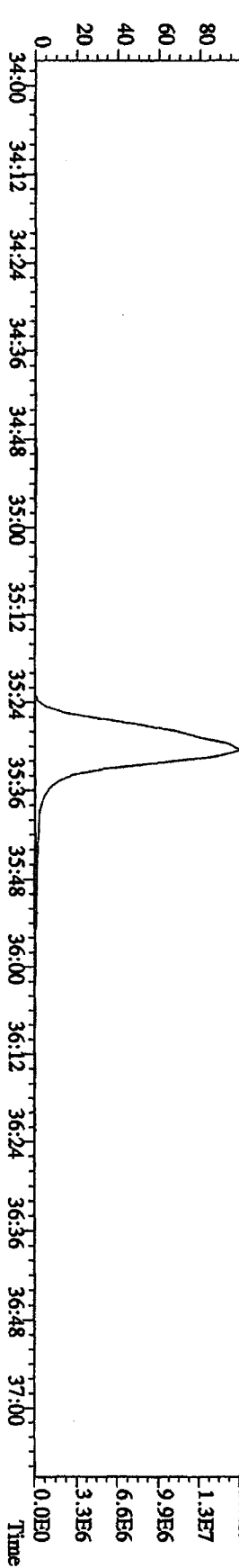
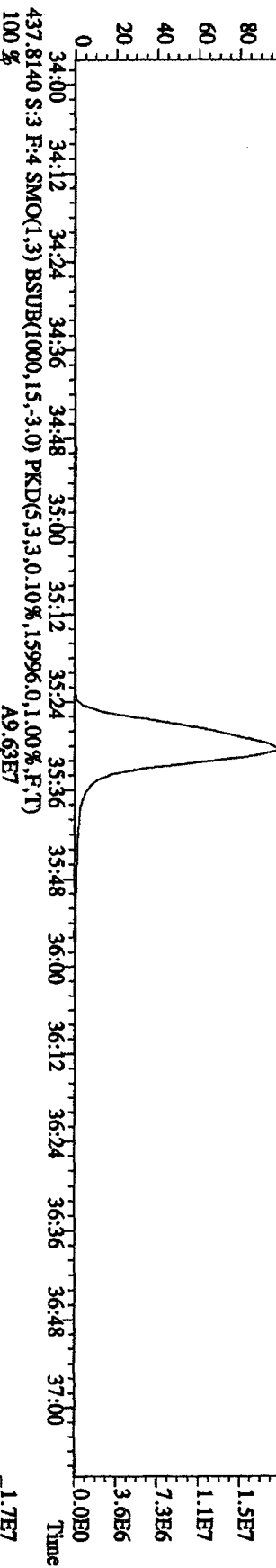
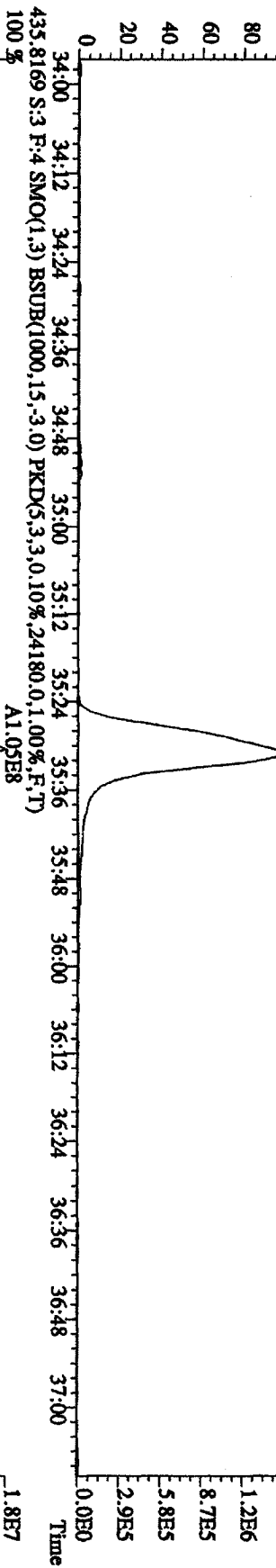
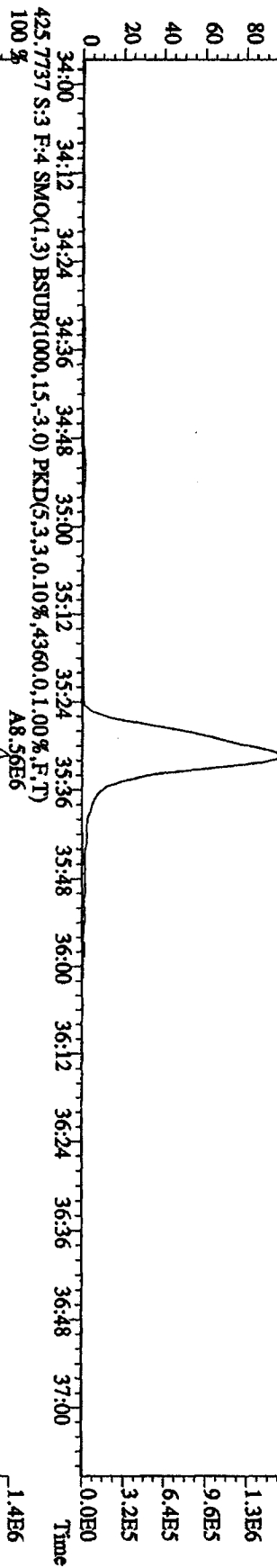
417.8253 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,15096.0,1.00%,F,T)



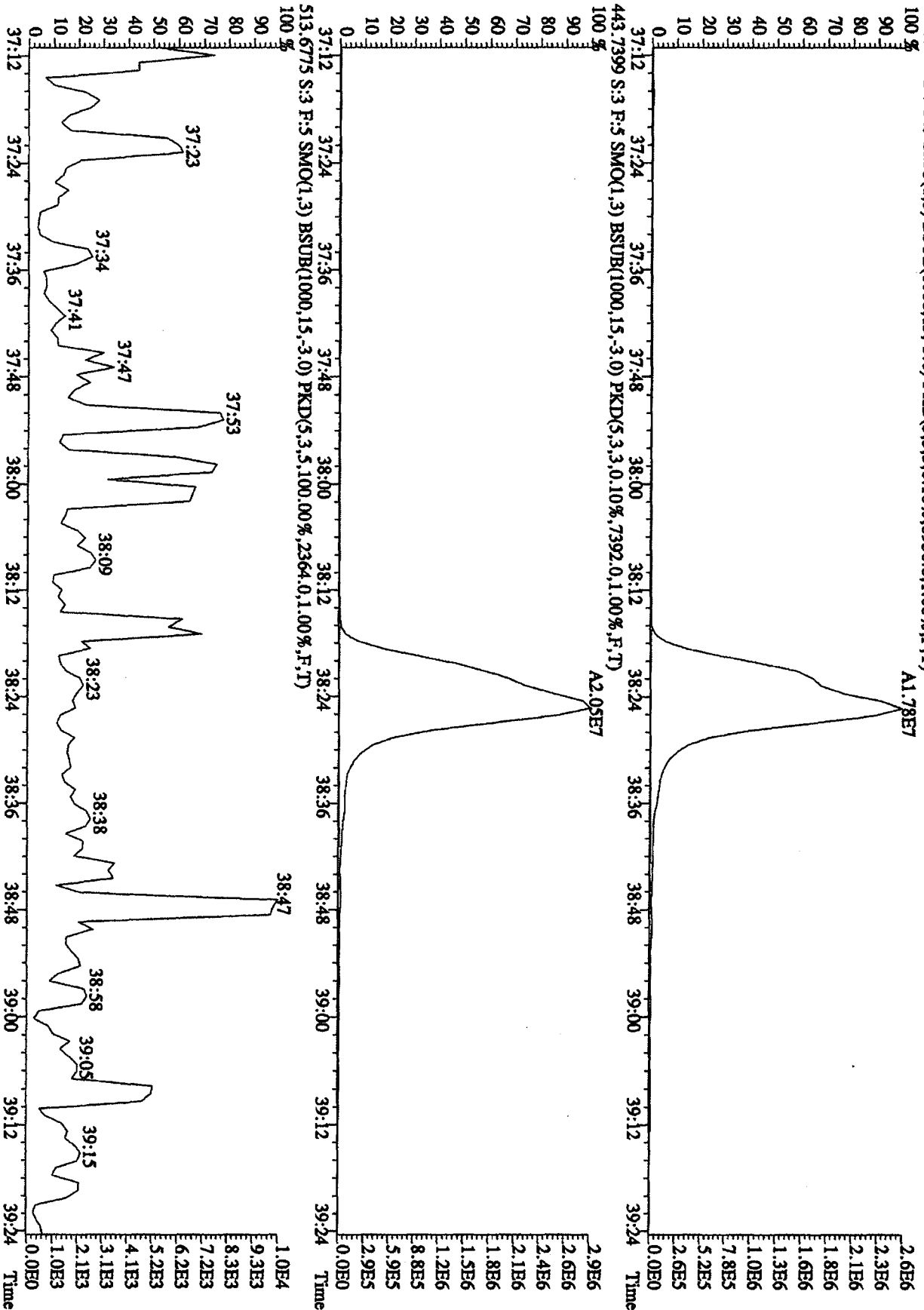
419.8220 S:3 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,27484.0,1.00%,F,T)



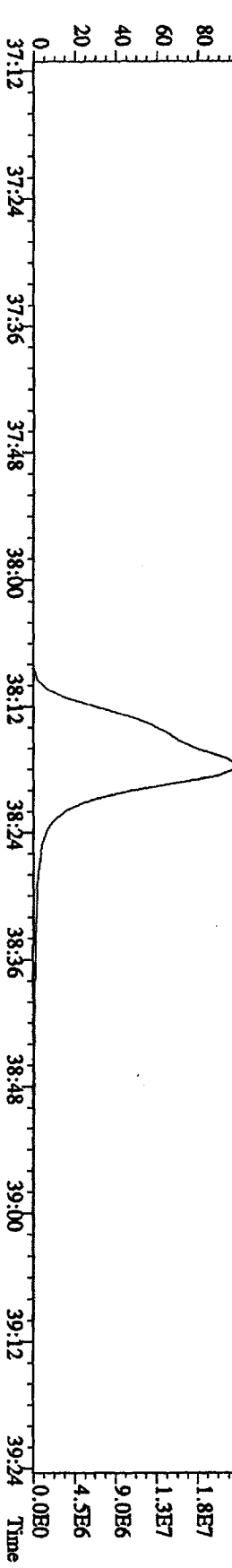
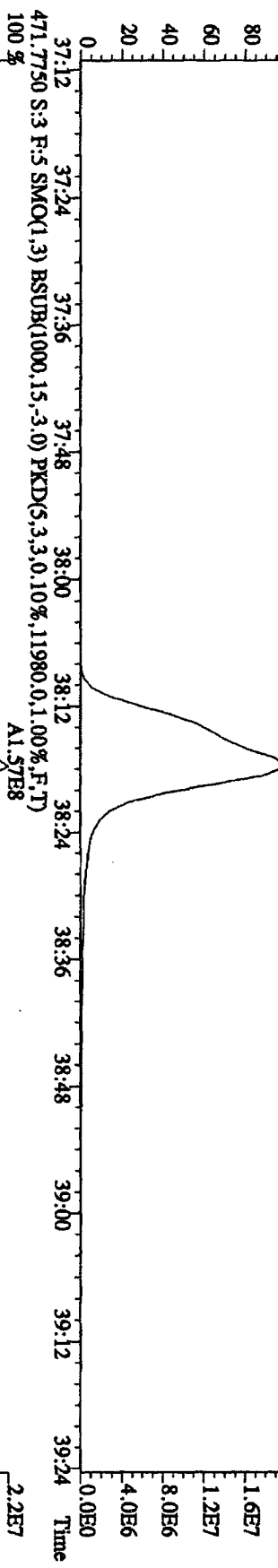
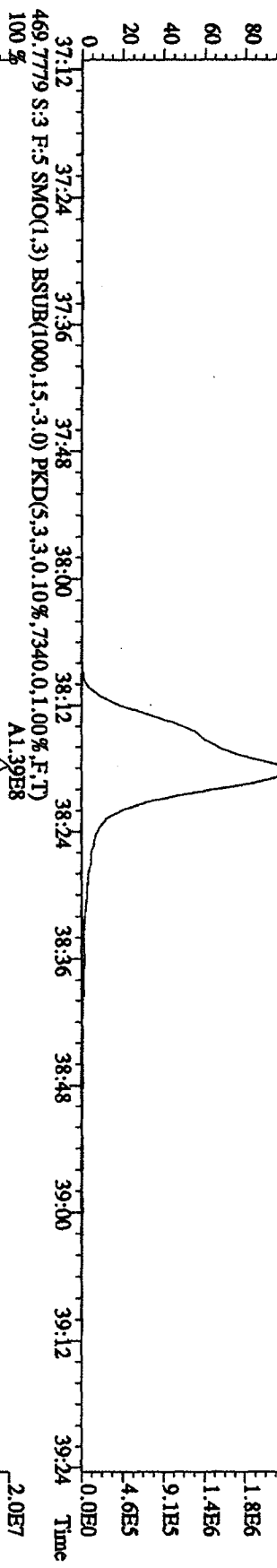
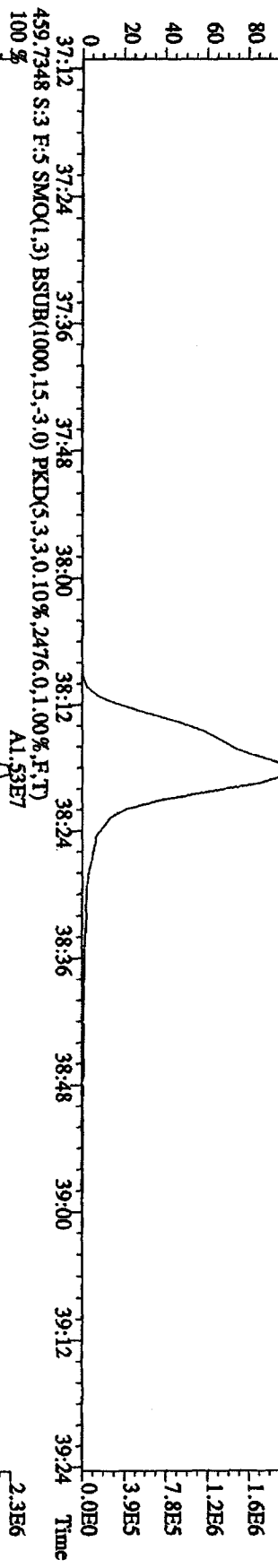
File:31DE09AID5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 423.7737 S:3 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3908,0,1.00%,F,T)
 100% A9.17E6



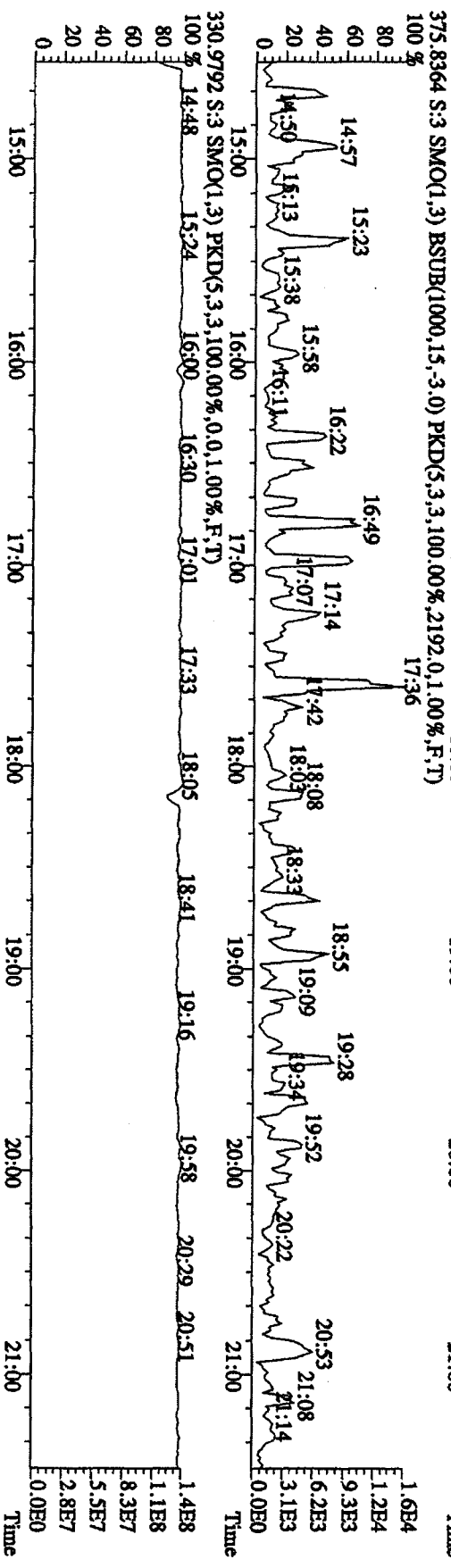
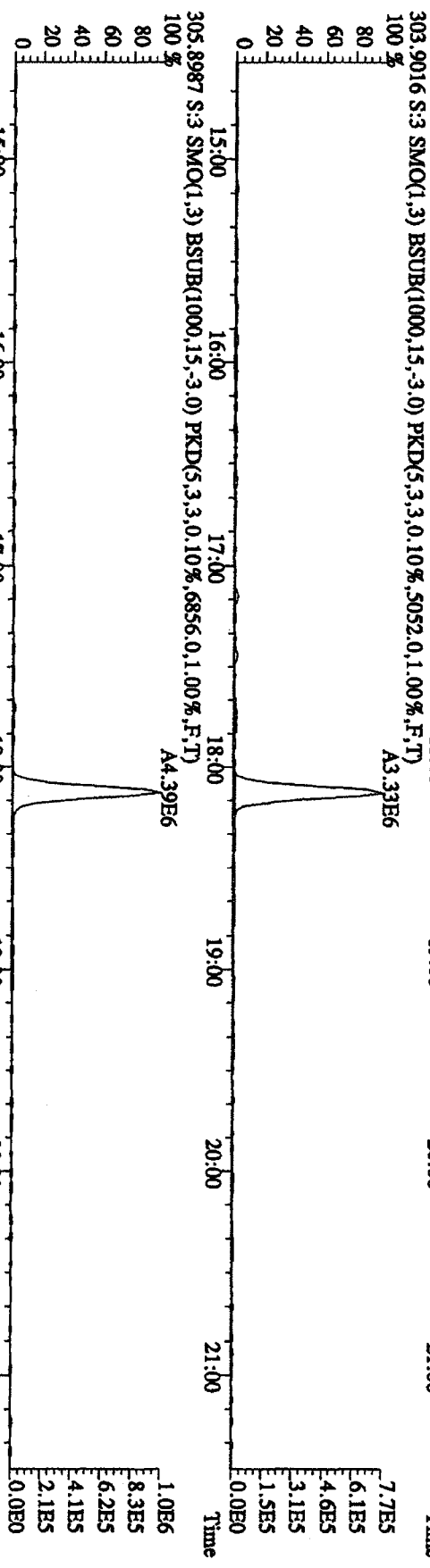
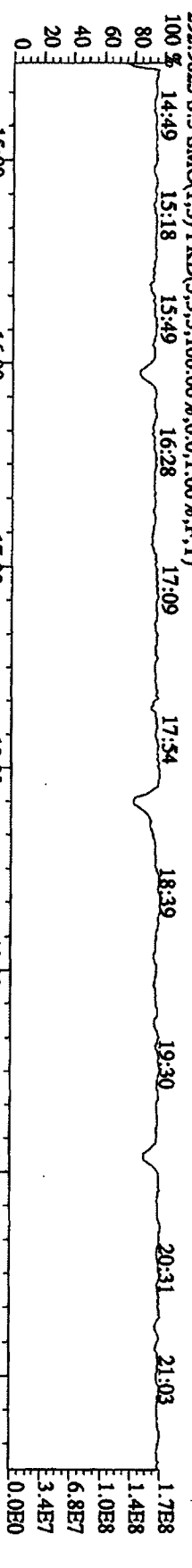
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI + Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2-09DXN423 Exp:DIOXIN
 441.7428 S:3 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,8956,0,1,00%,F,T)



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 457.7377 S:3 F:5 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5116.0,1.00%,F,T)
 100 %



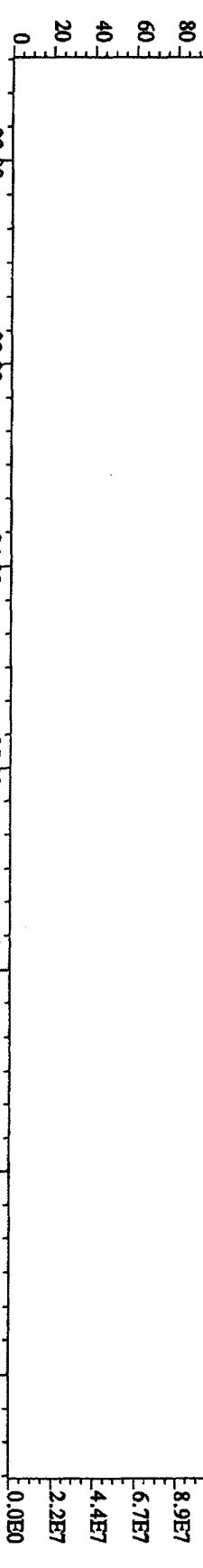
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1231C :CS-2,09DXN423 Exp:DIOXIN



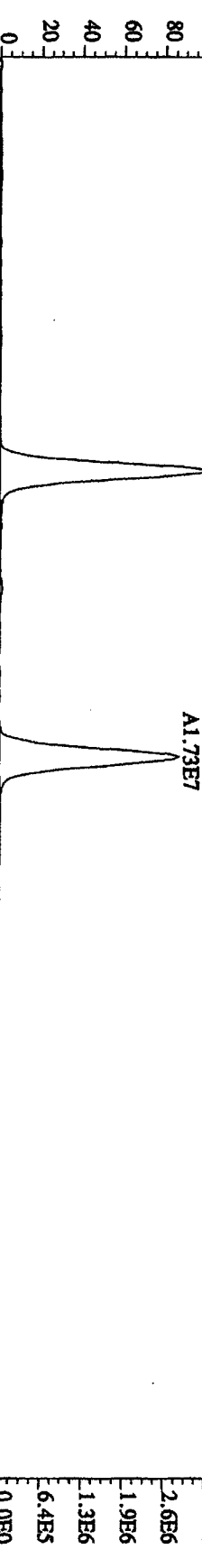
File:31DE09A1D5 #1.495 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE

Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

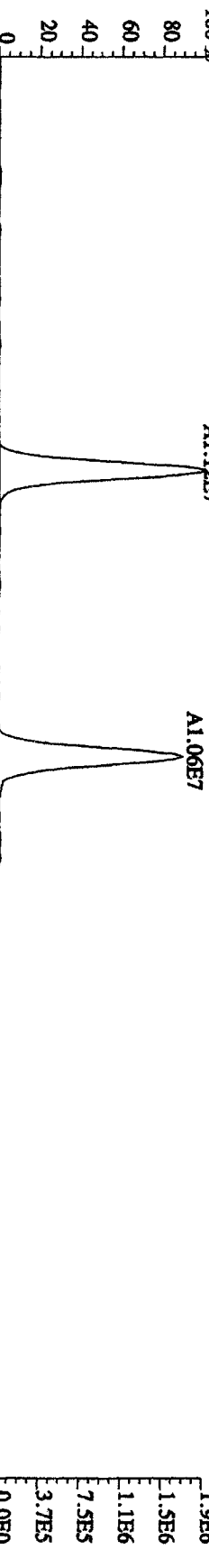
342.9792 S:3 F:2 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T) 21:57 22:27 23:01 23:34 23:58 24:26 25:03 25:45 26:29 27:01 27:44 28:26



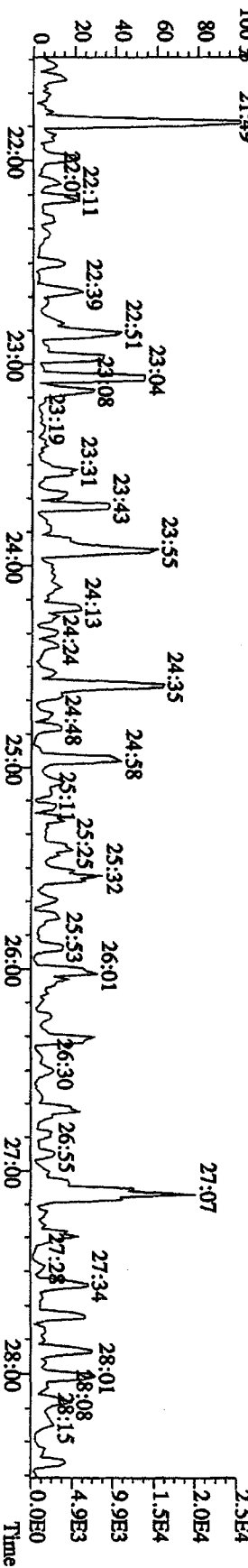
339.8597 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0.10%,5496.0,1.00%,F,T)



341.8567 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0.10%,6964.0,1.00%,F,T)



409.7974 S:3 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100.00%,1524.0,1.00%,F,T)

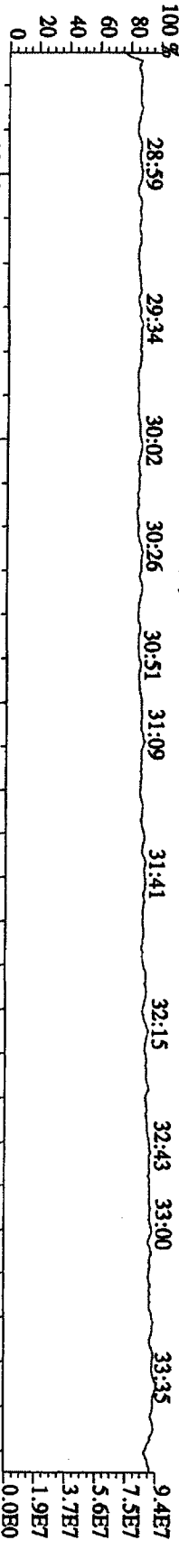
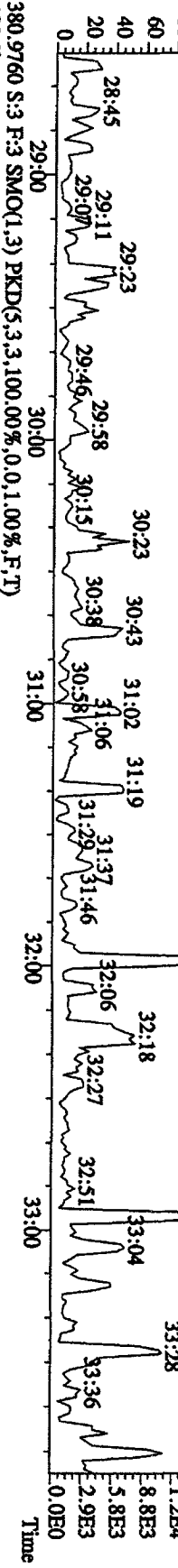
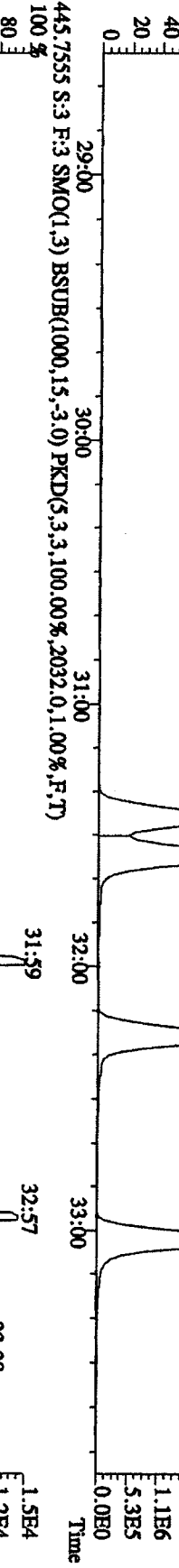
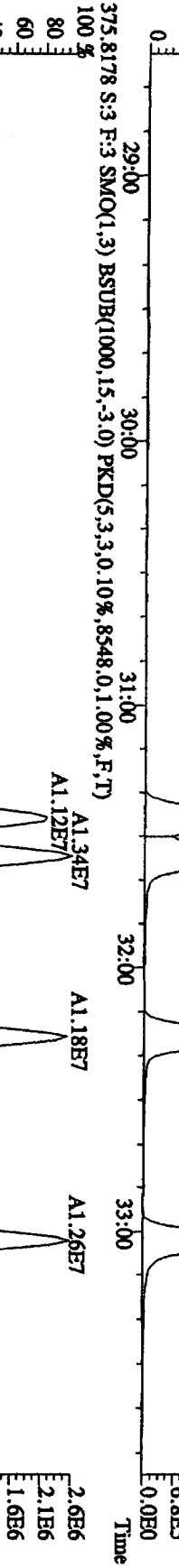
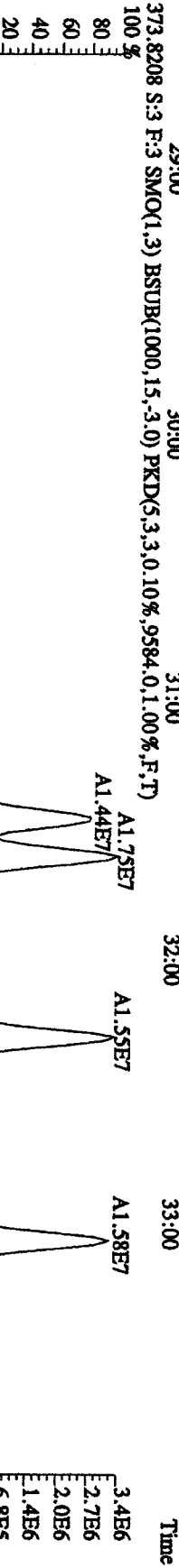
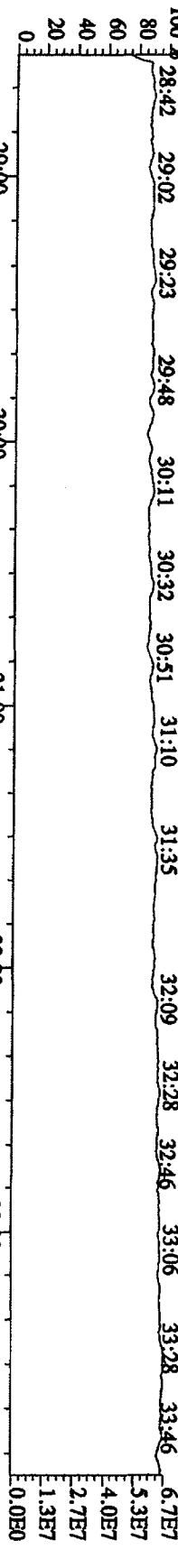


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 00:50:55 GC EI + Voltage SIR 70SE

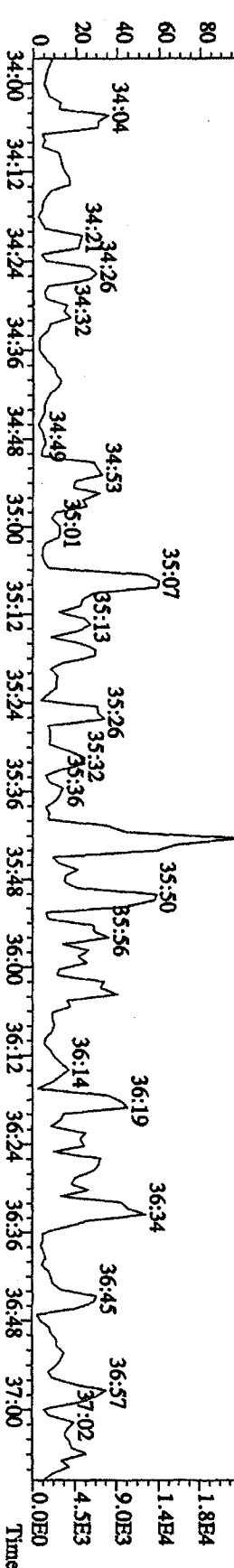
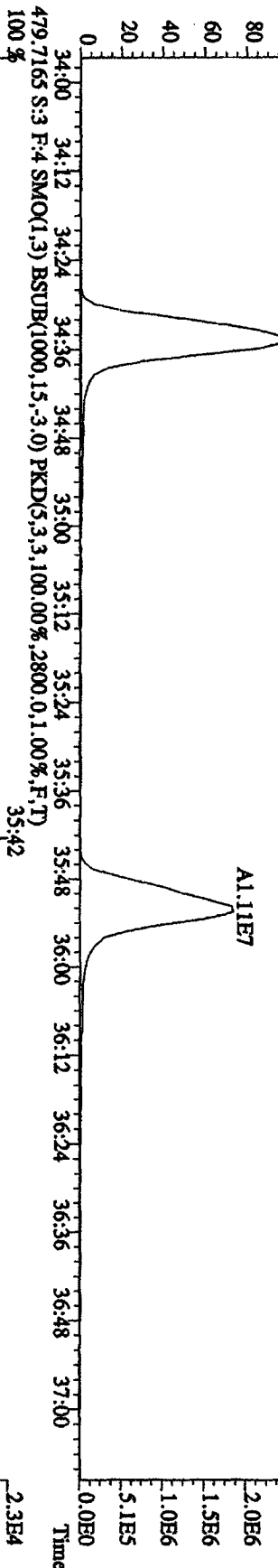
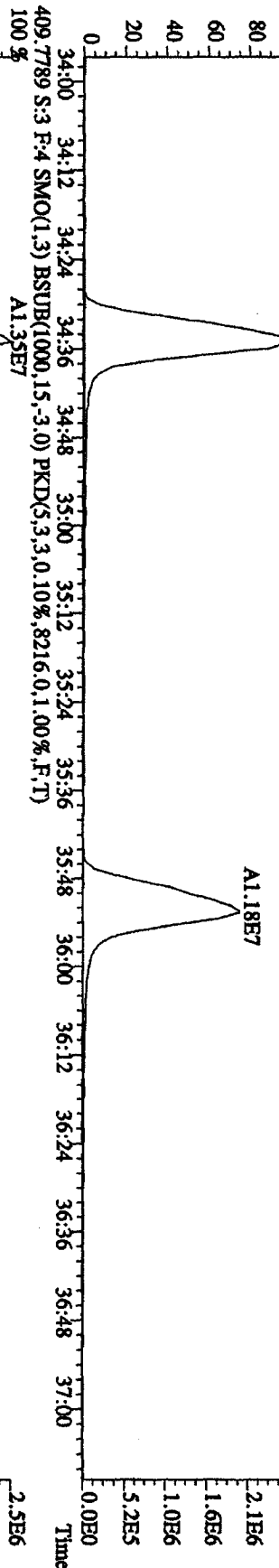
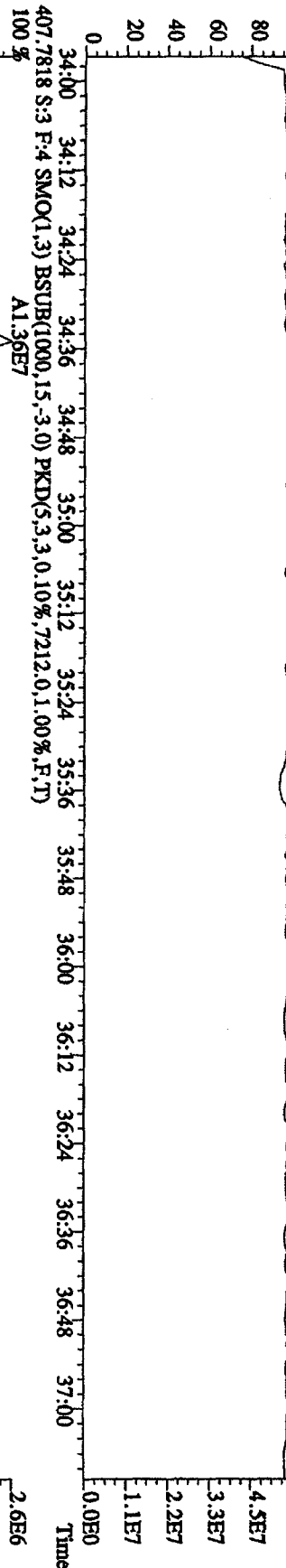
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

392.9760 S:3 F:3 SMO(1,3) PKD(5,3,3,100,00%,0,0,1,00%,F,T)

100 % 28:42 29:02 29:23 29:48 30:11 30:32 30:51 31:10 31:35 32:09 32:28 32:46 33:06 33:28 33:46



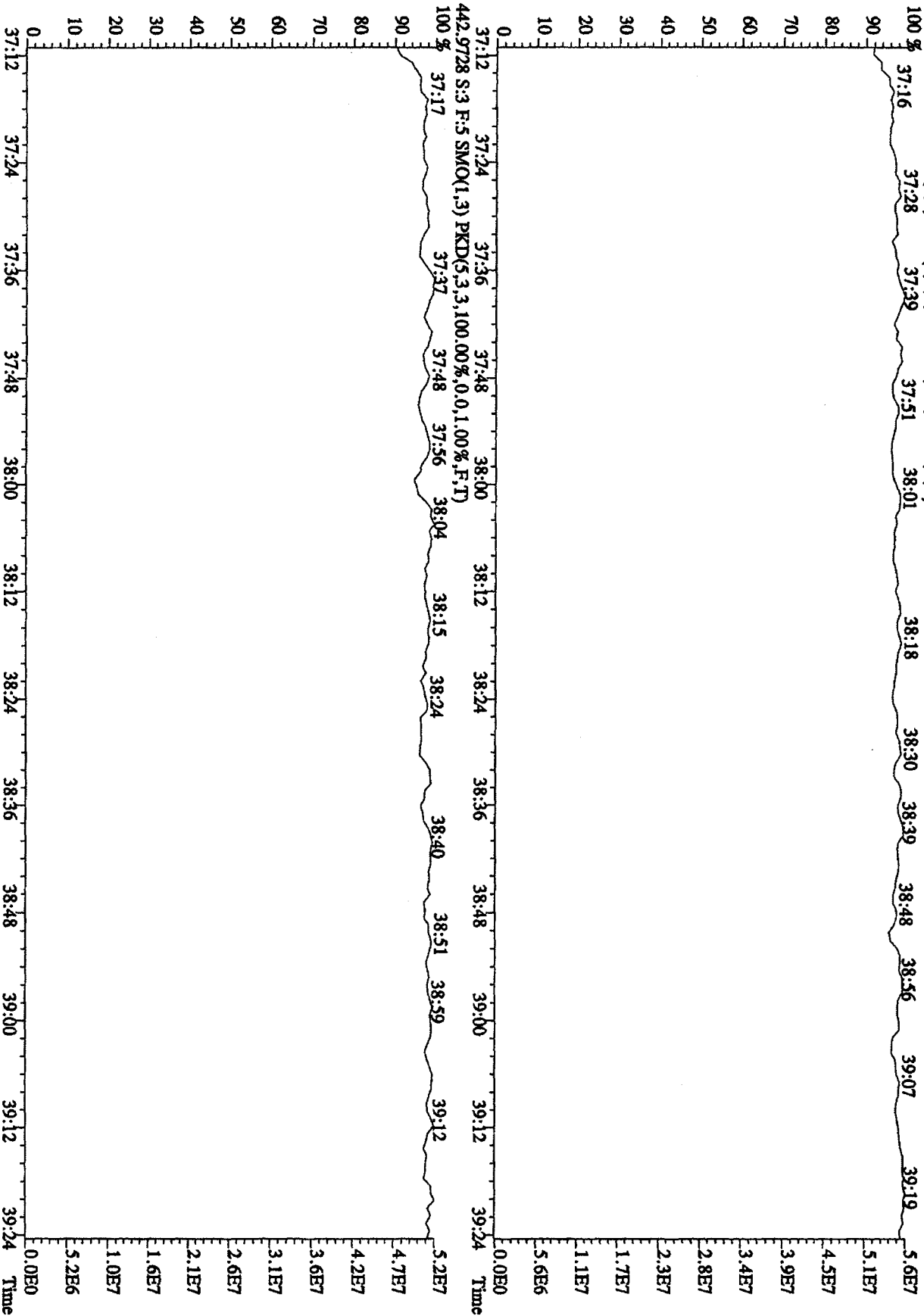
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 00:50:55 GC EI+ Voltage SIR 70SE
 Sample#3 Tent:ST1231C :CS-2 09DXN423 Exp:DIOXIN
 430.9728 S:3 F:4 SMO(1.3) PKD(5.3,3.100,0.0%,0.0,1.00%,F,T)
 100 % 34:10 34:45 35:04 35:15 35:25 35:40 36:01 36:22 36:43 37:00



File:31DEB9AIDS #1-161 Acq: 1-JAN-2010 00:50:55 GC HI + Voltage SIR 70SE

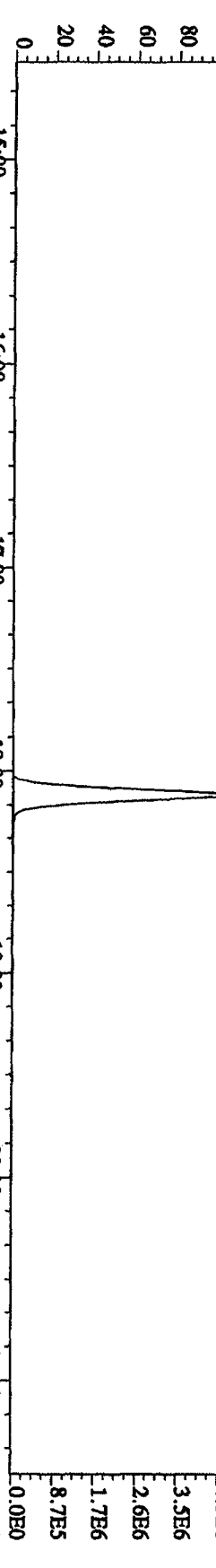
Sample#3 Text:ST1231C :CS-2 09DXN423 Exp:DIOXIN

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

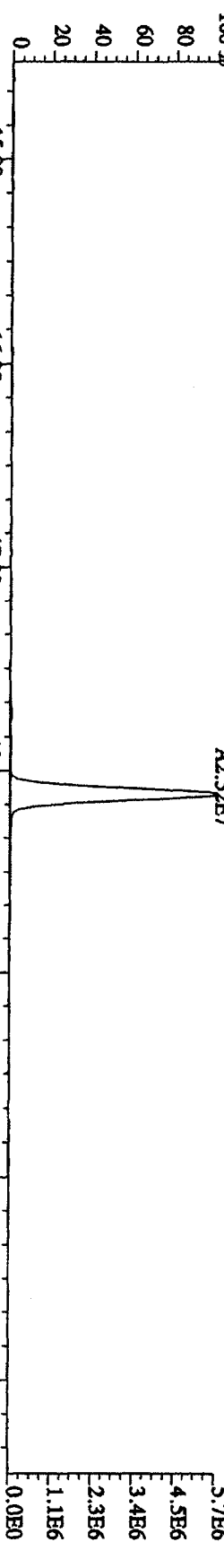


File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

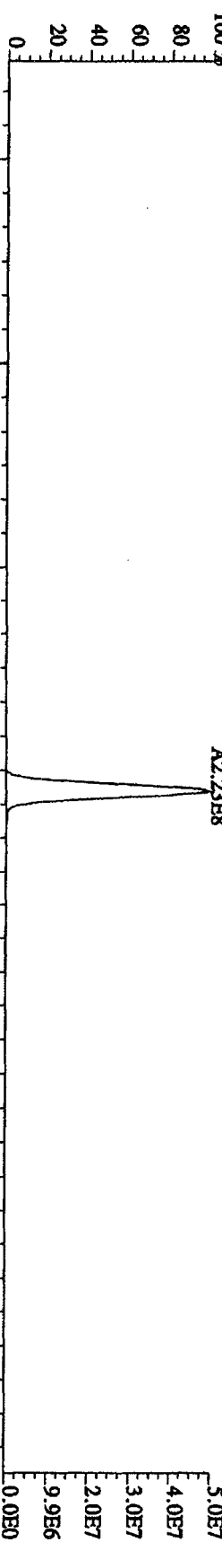
303.9016 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7340,0.1,00%,F,T)
100% A1.90E7



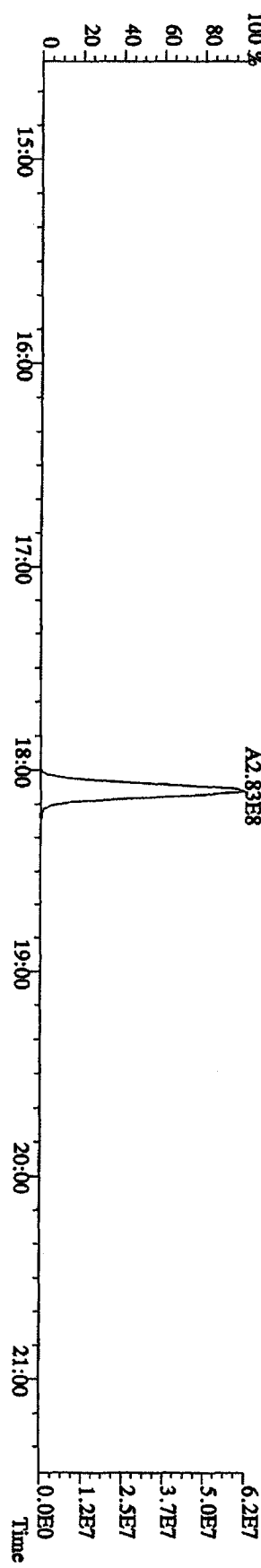
305.8987 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7340,0.1,00%,F,T)
100% A2.52E7



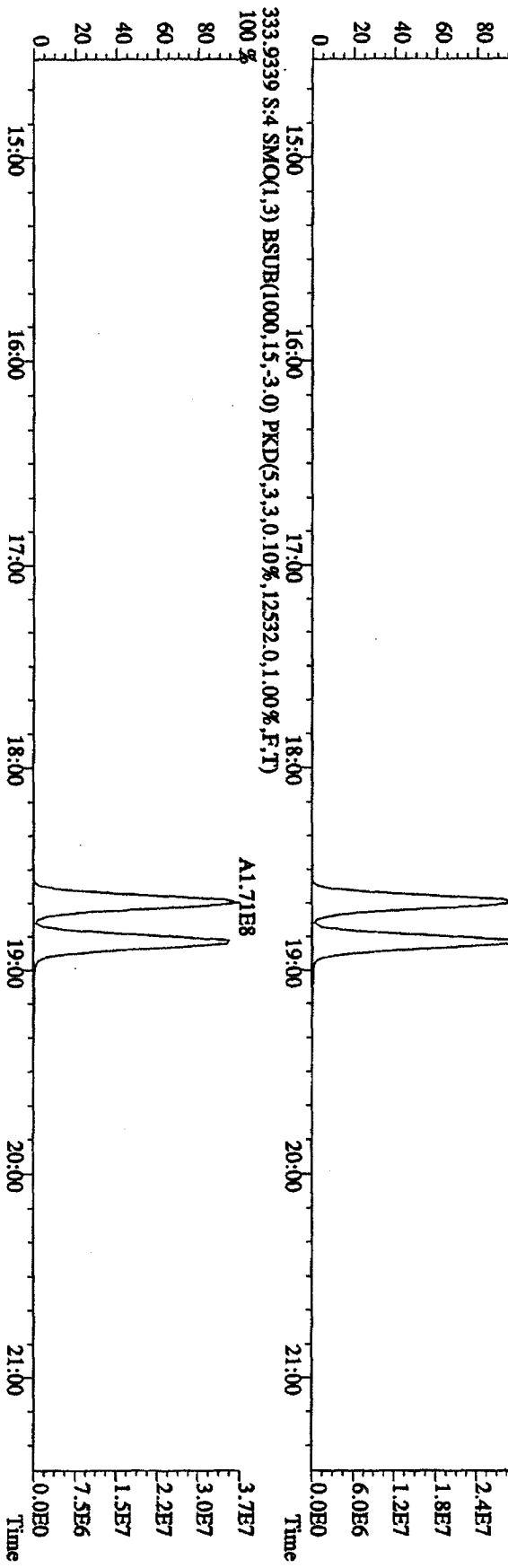
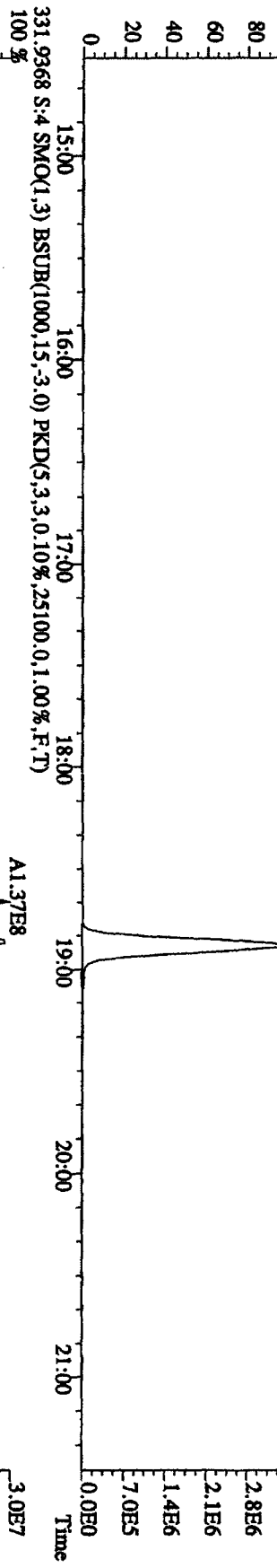
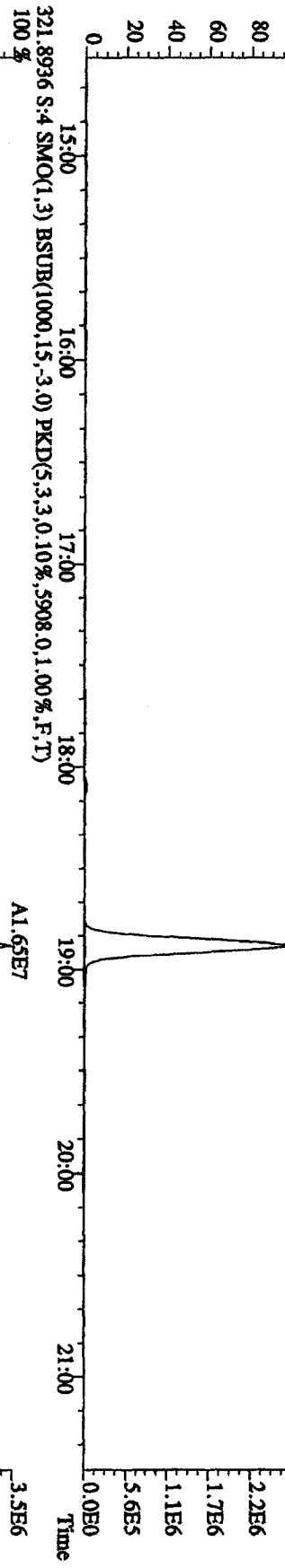
315.9419 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,14580,0.1,00%,F,T)
100% A2.23E8



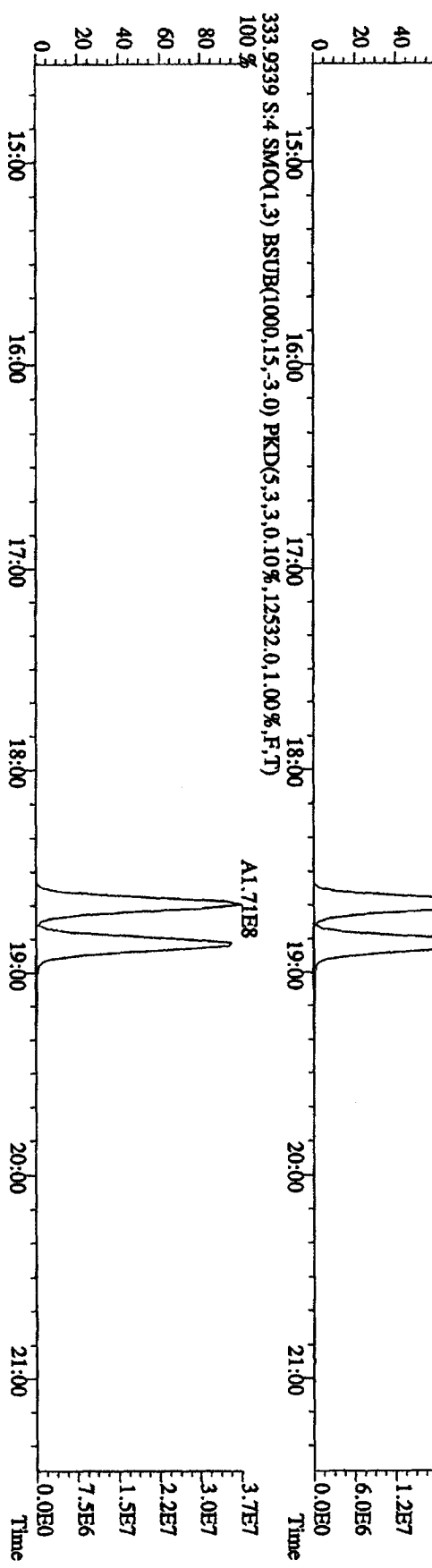
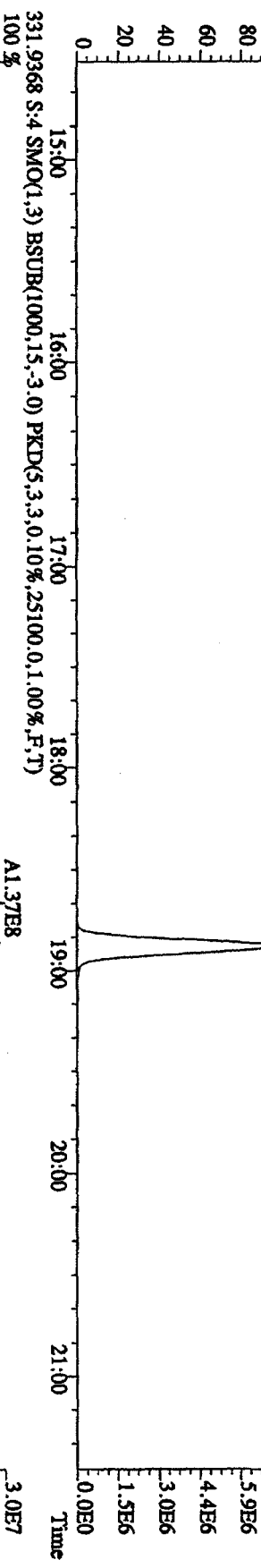
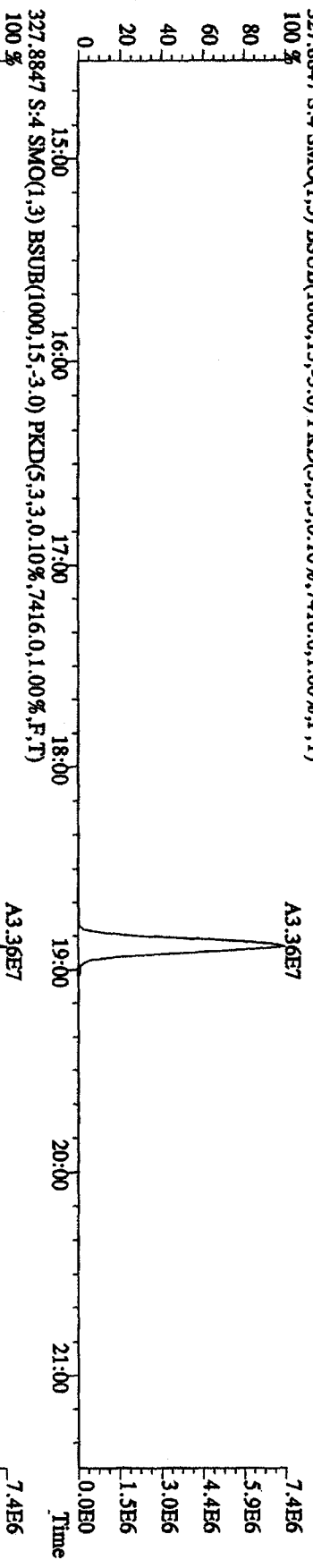
317.9389 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11880,0.1,00%,F,T)
100% A2.83E8



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI + Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 319.8965 S:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5572,0,1,00%,F,T)



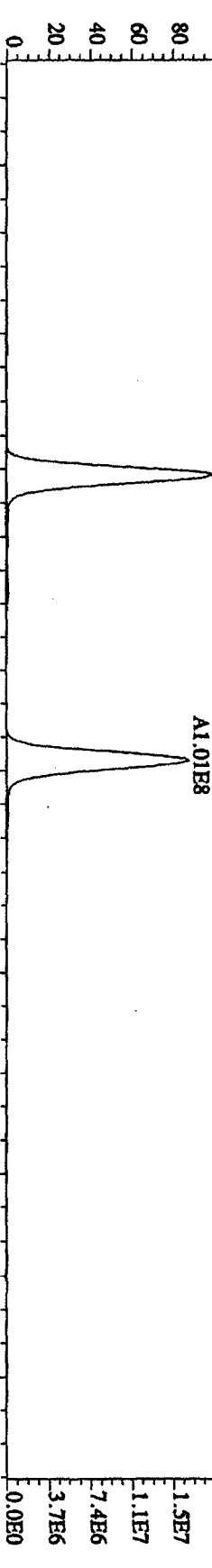
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 327.8847 S-4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,7416.0,1.00%,F,T)



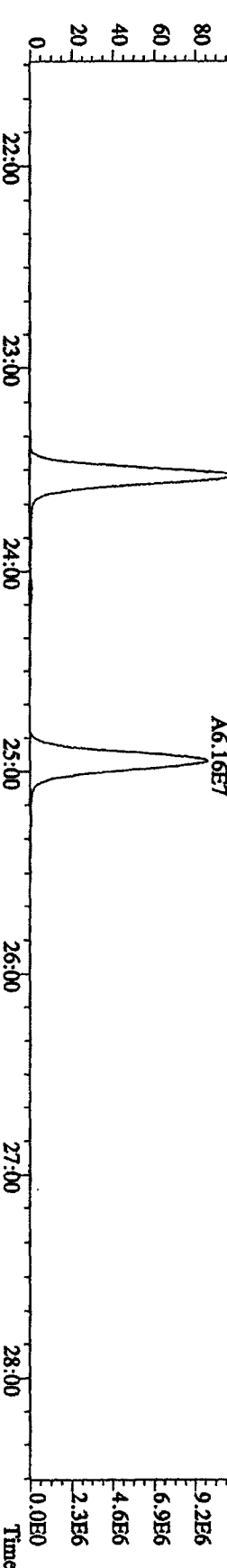
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN

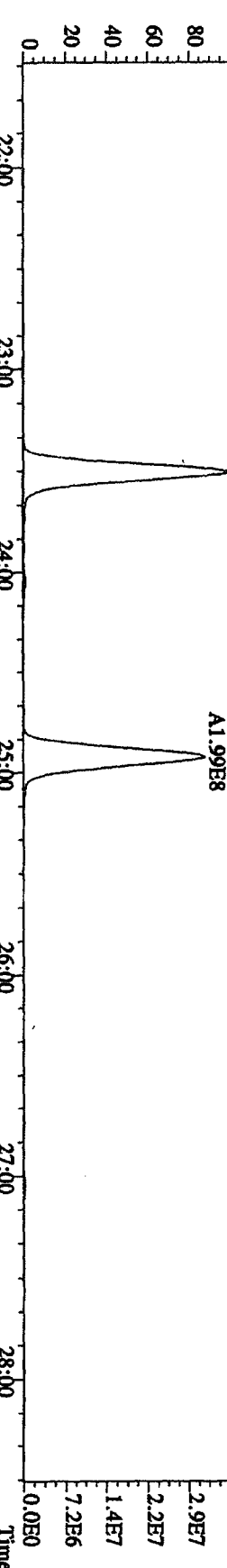
339.8597 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.5428,0,1,00%,F,T)



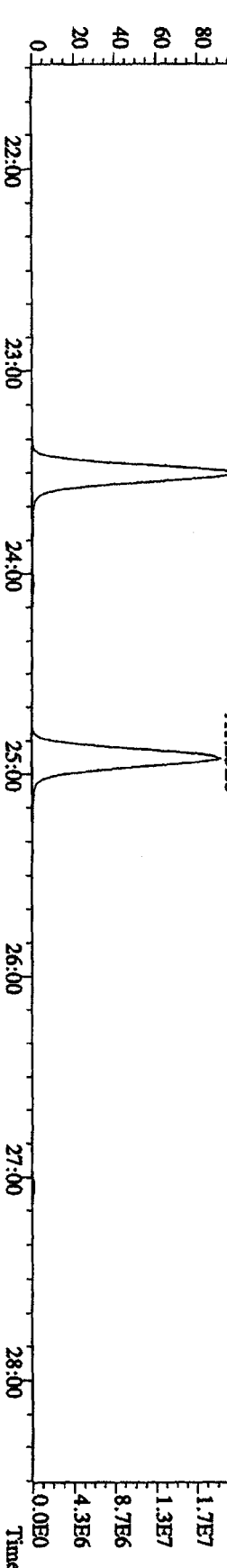
341.8567 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.7612,0,1,00%,F,T)



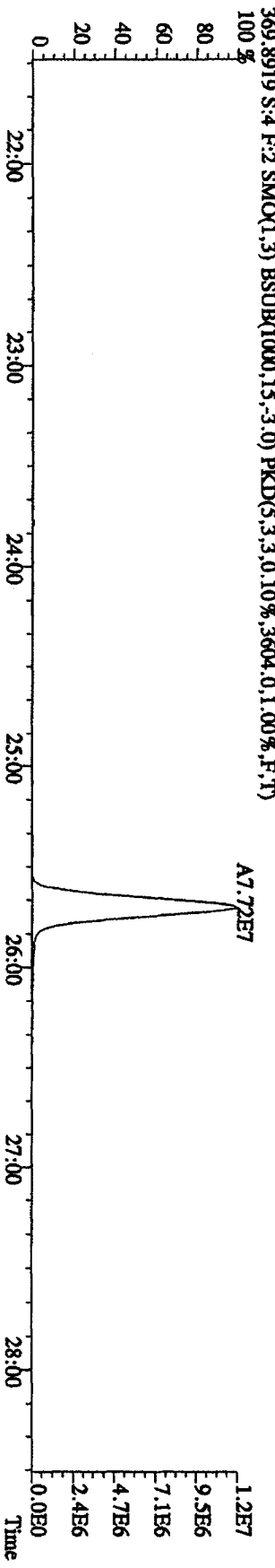
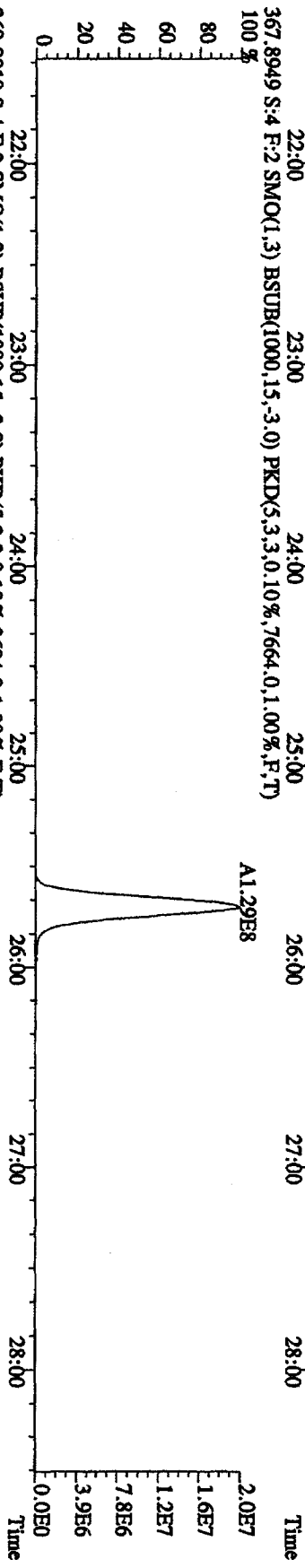
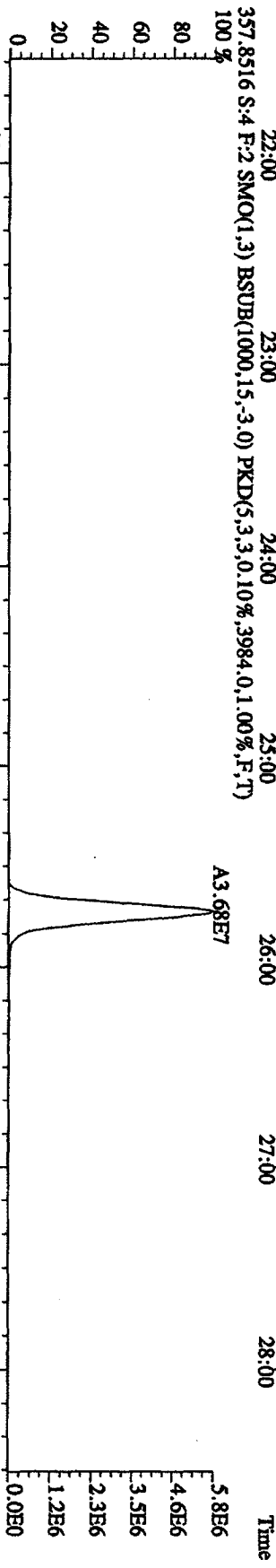
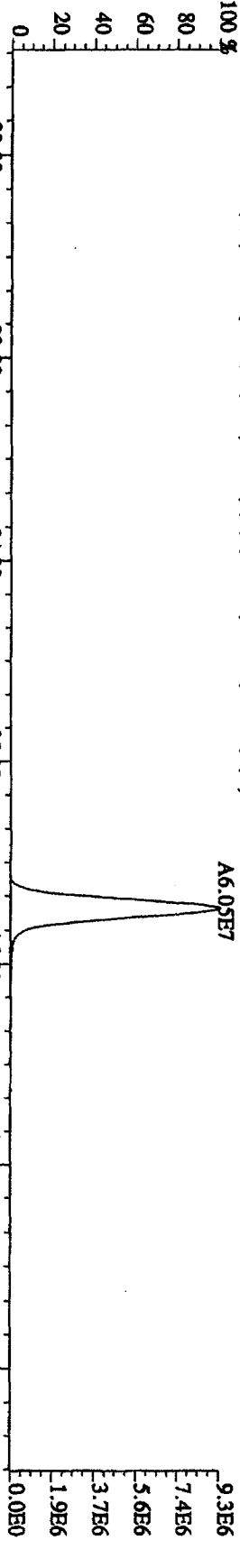
351.9000 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.7836,0,1,00%,F,T)



353.8970 S:4 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.6728,0,1,00%,F,T)

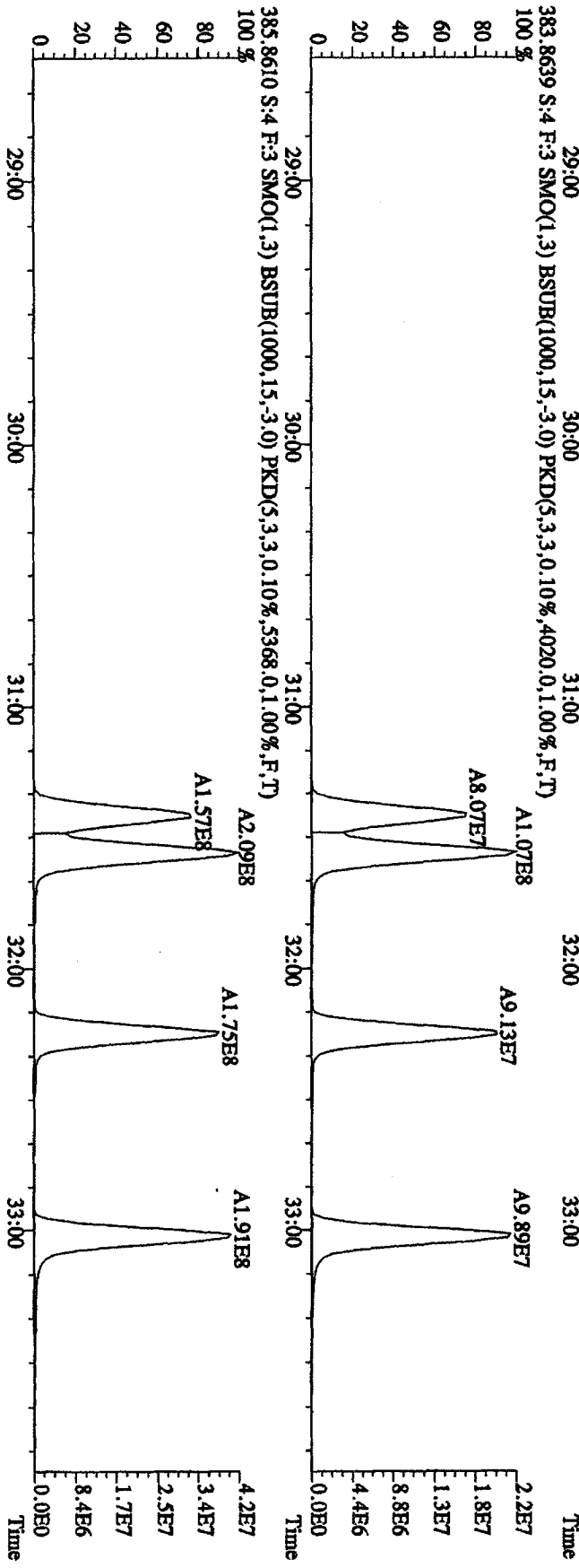
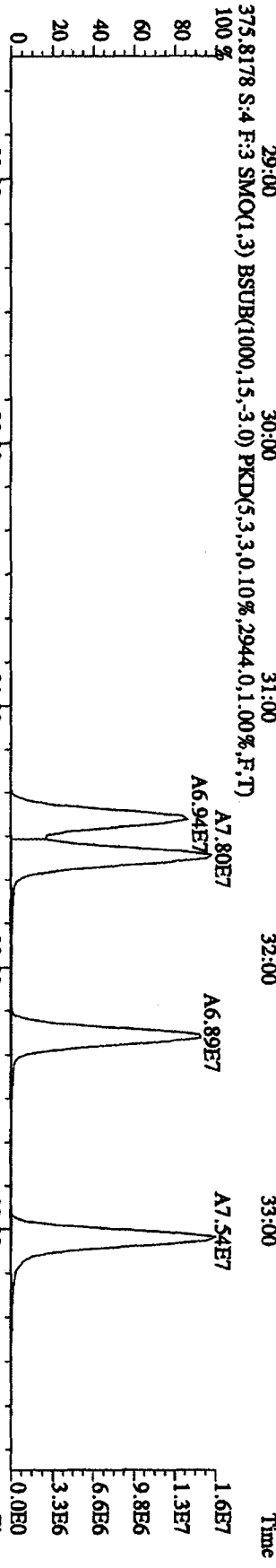
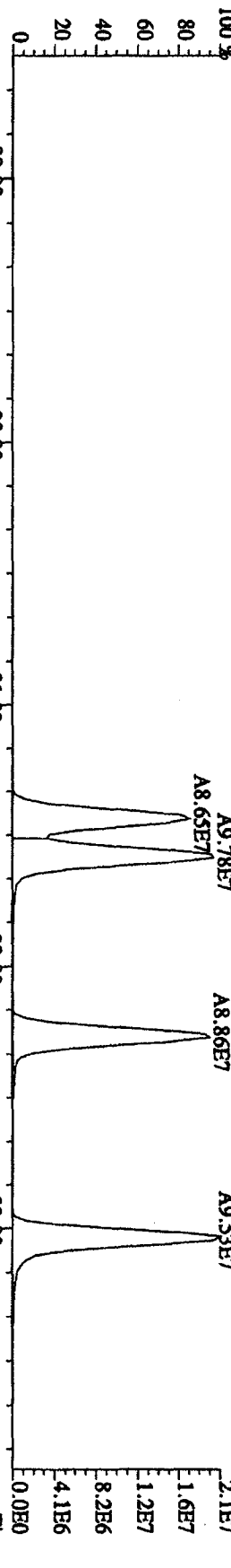


File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DDXN425 Exp:DIOXIN
 355.8546 S:4 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5476,0,1,00%,F,T)
 100 %

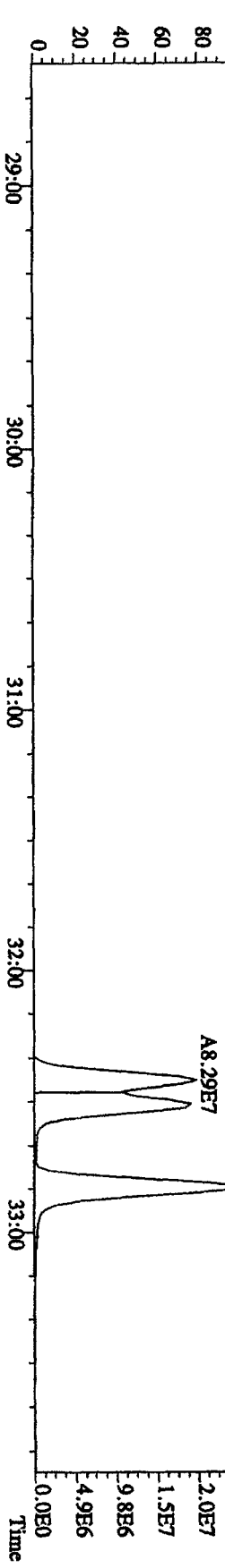
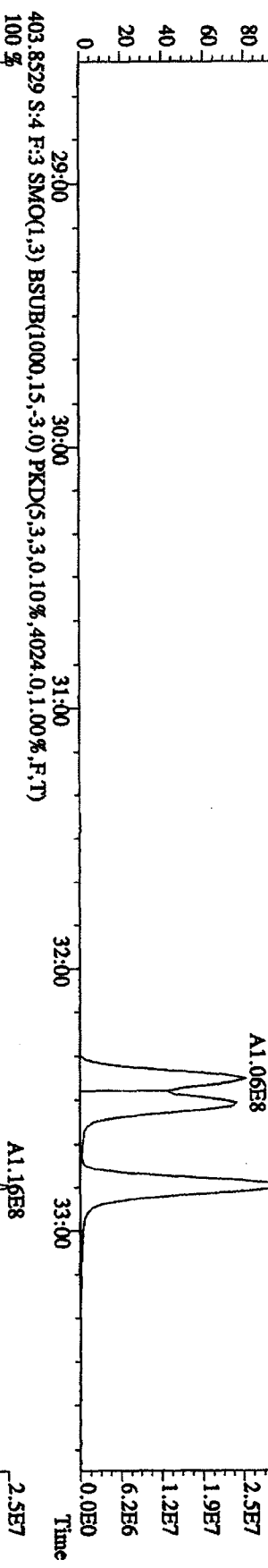
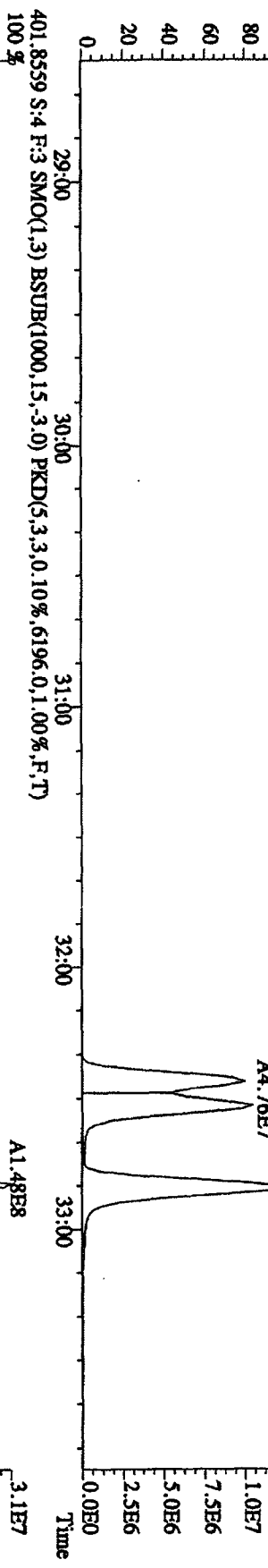
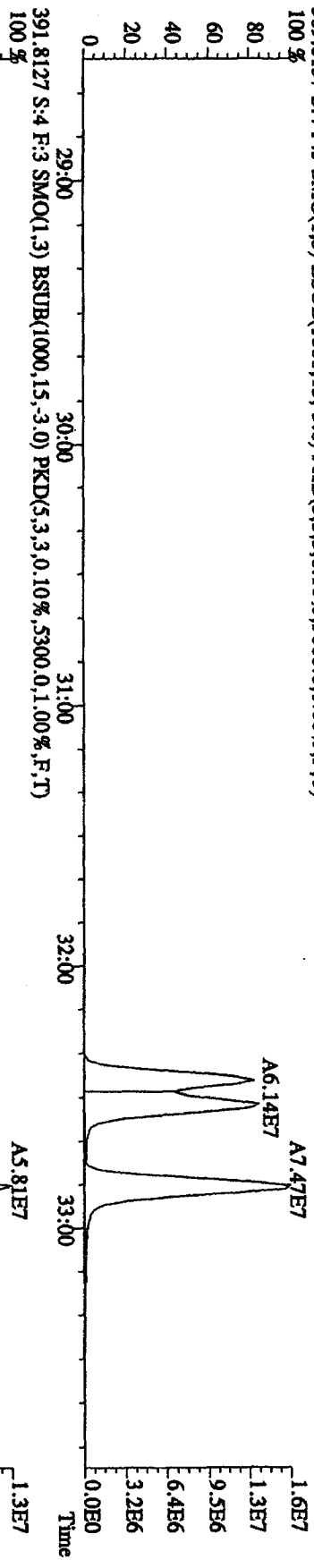


File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE

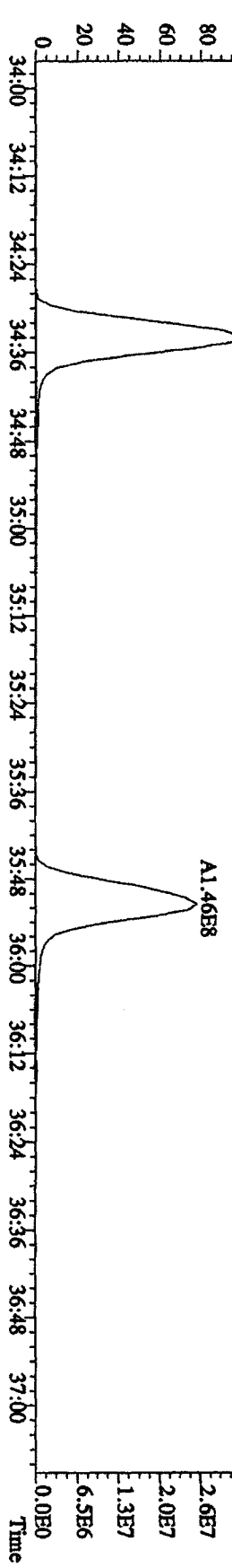
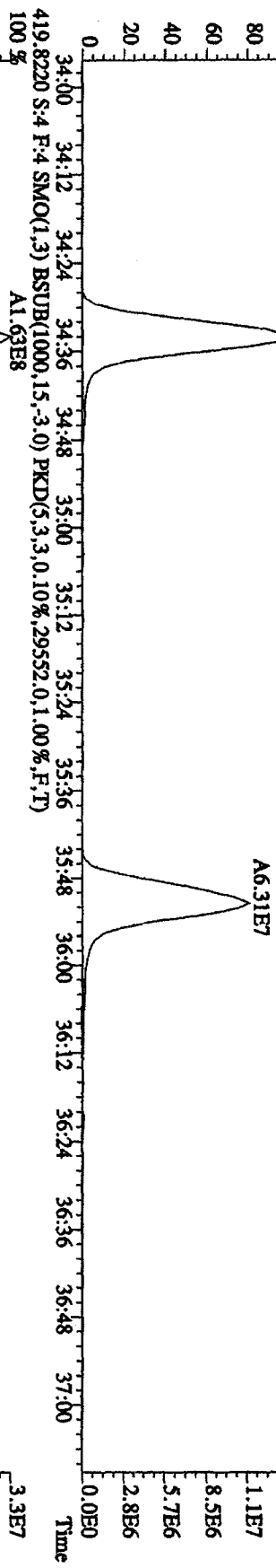
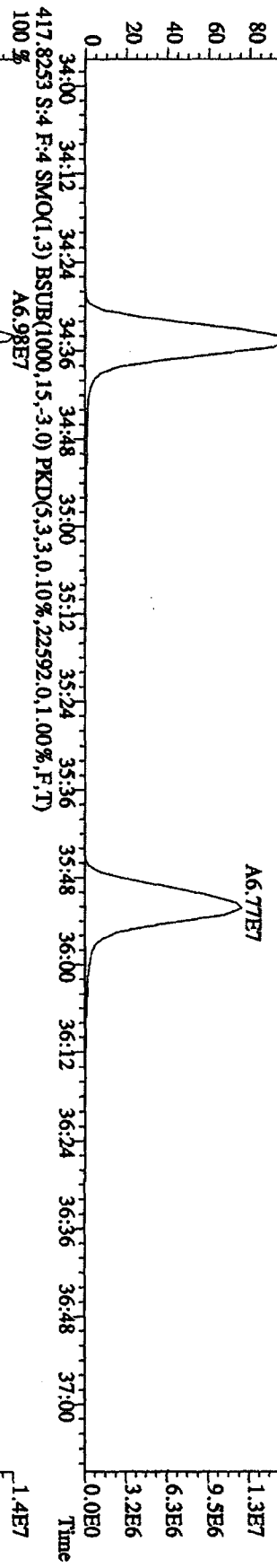
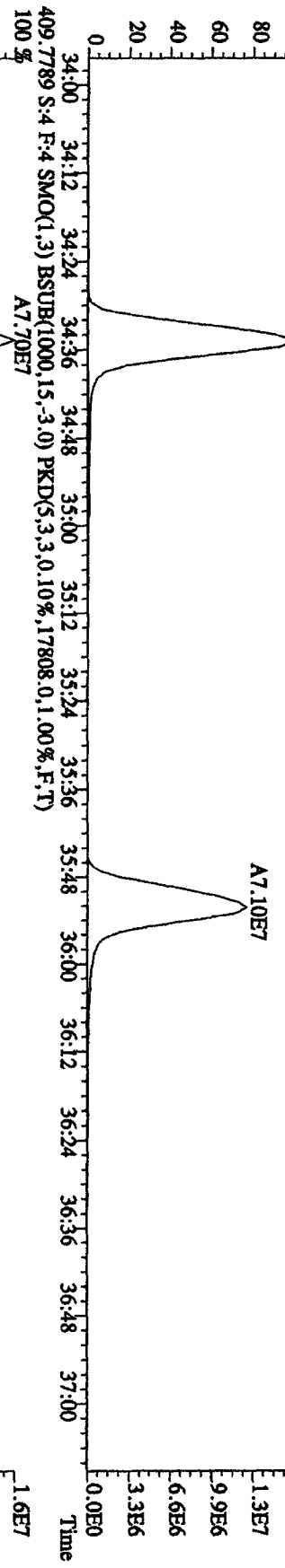
Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN



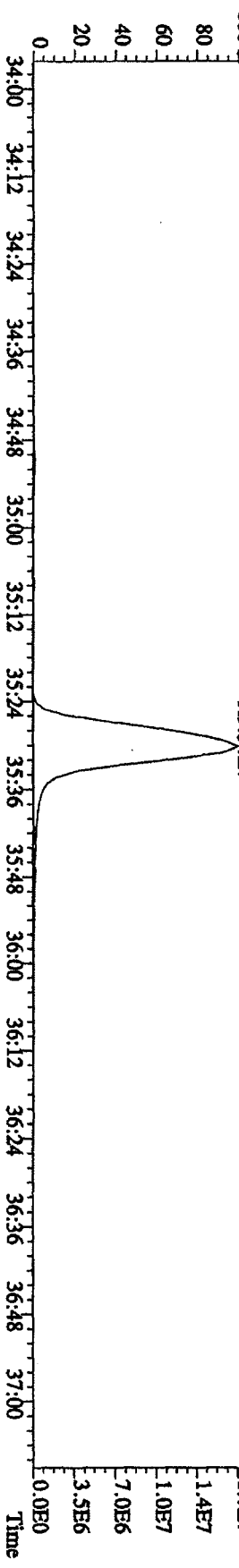
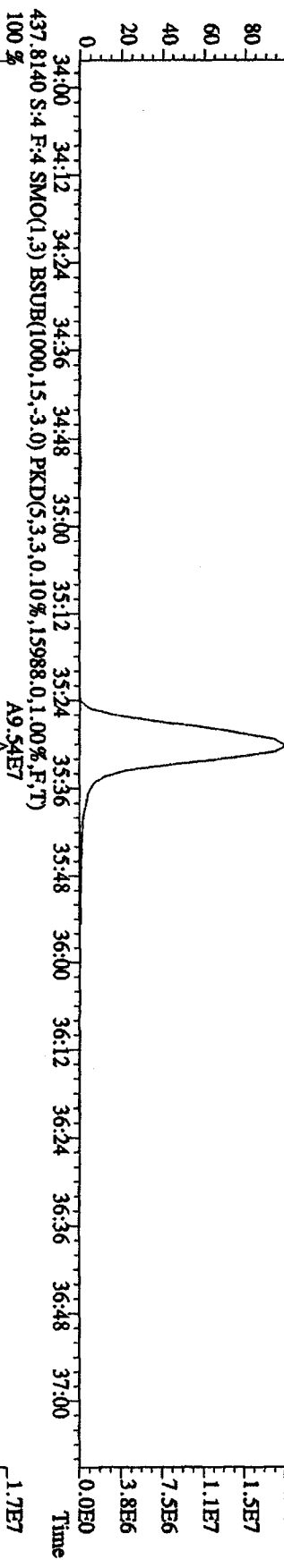
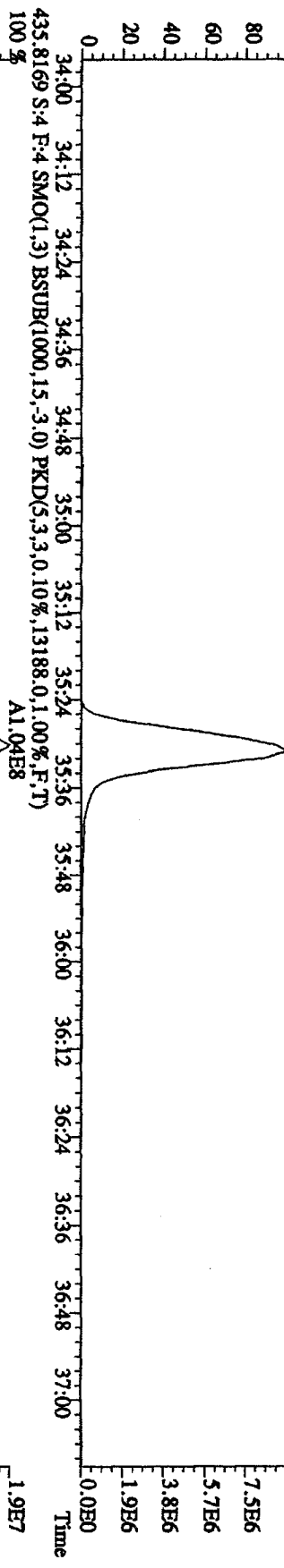
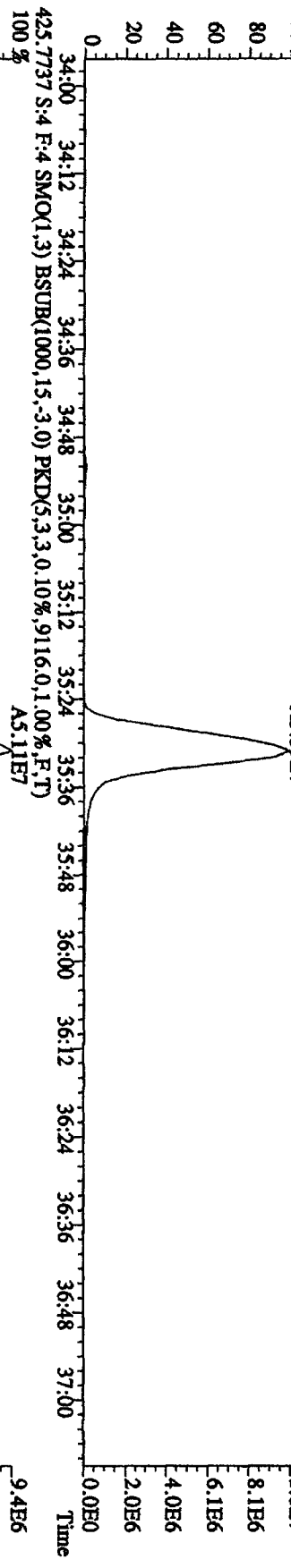
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI + Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 389.8157 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3668,0,1,00%,F,T)
 100 %



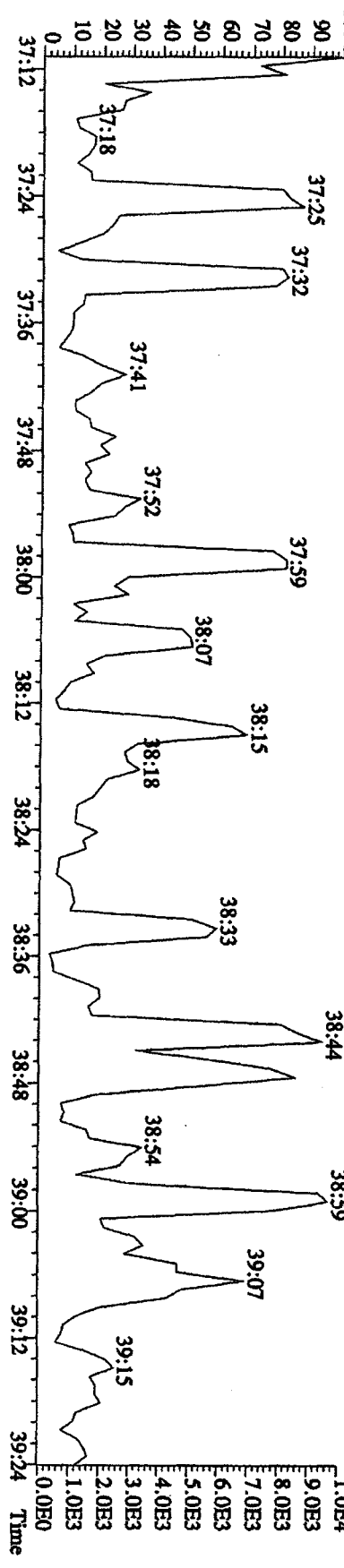
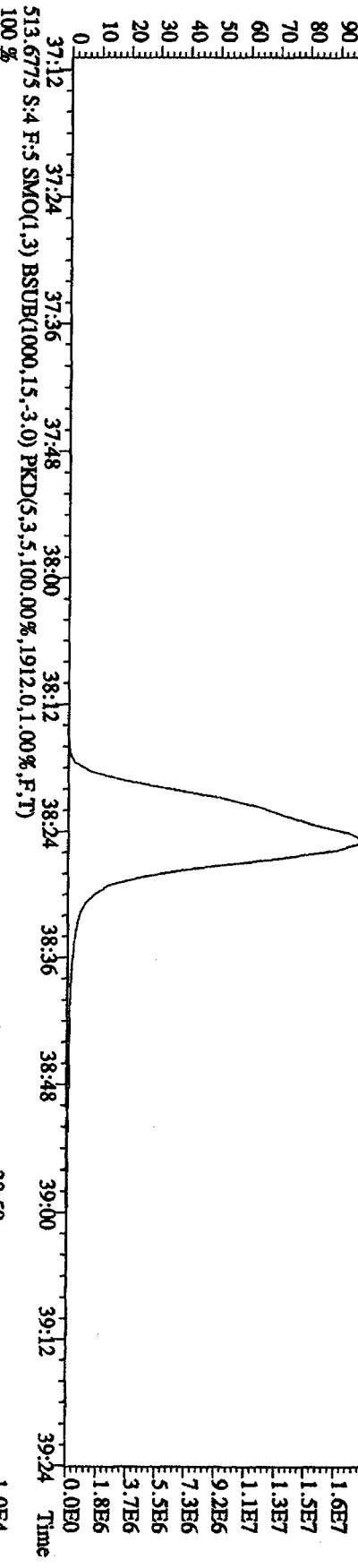
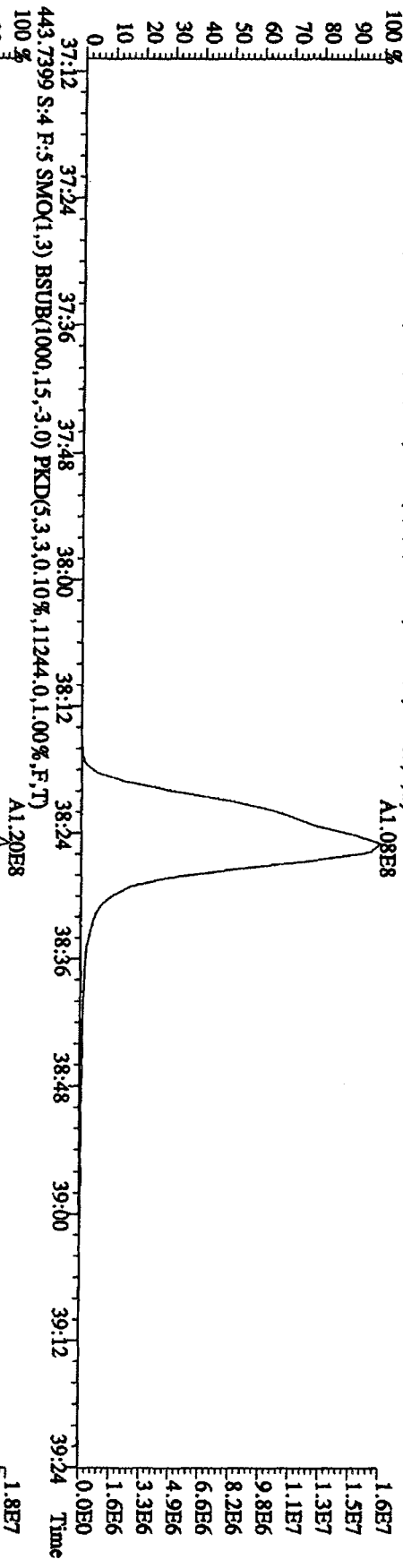
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 407.7818 S:4 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11764,0.1,00%,F,T)
 100 %



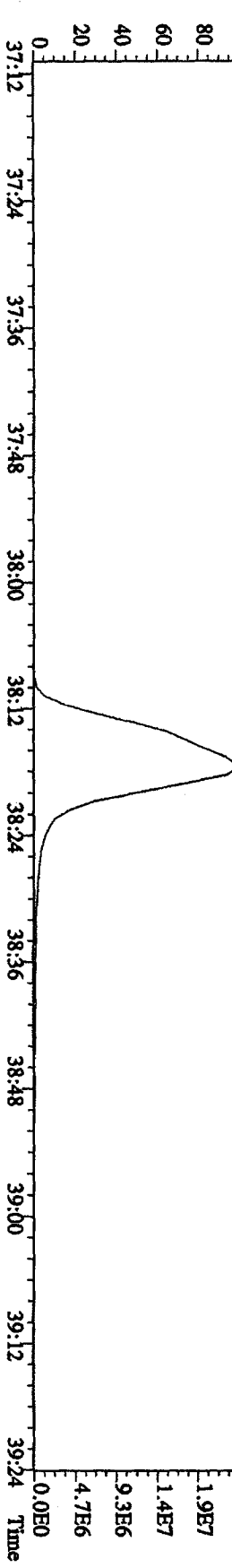
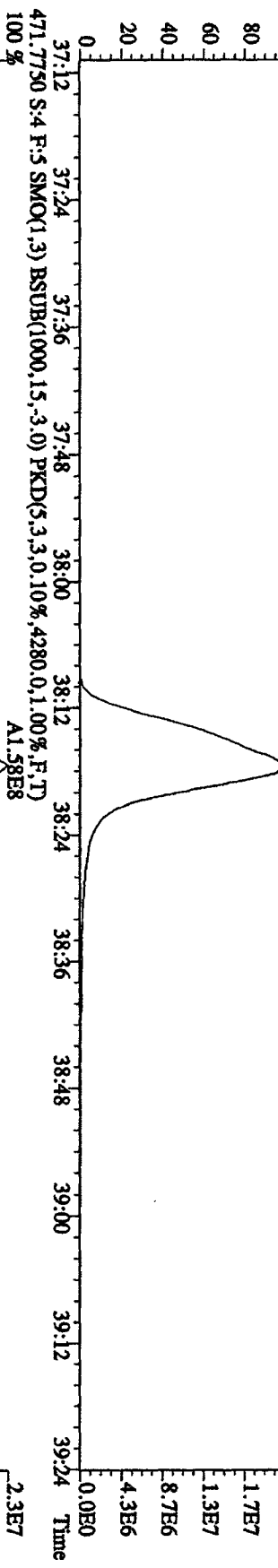
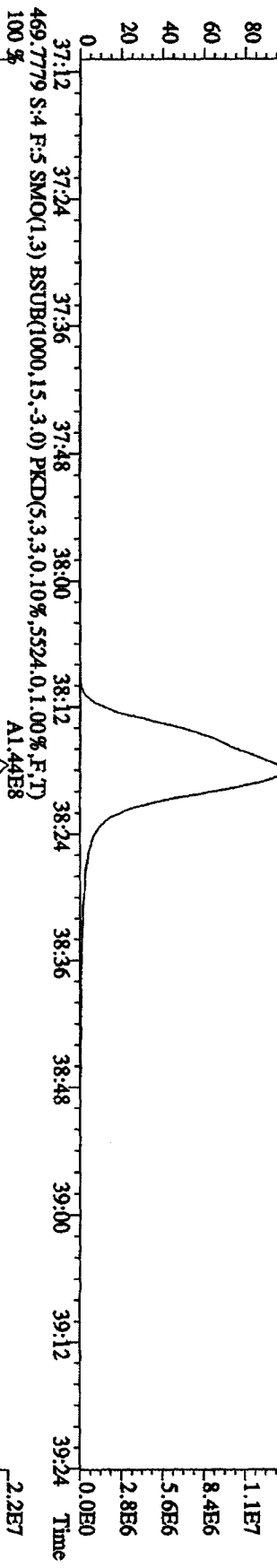
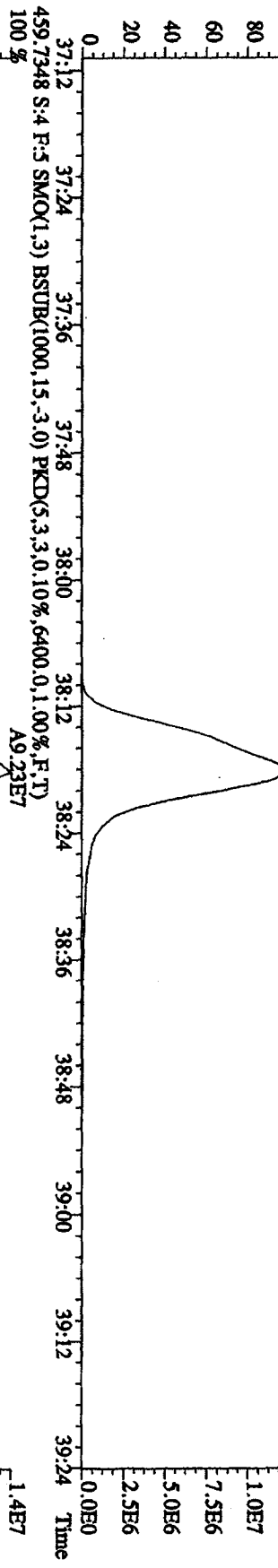
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 423.7766 S:4 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12792,0,1,00%,F,T)
 100% A5.39E7



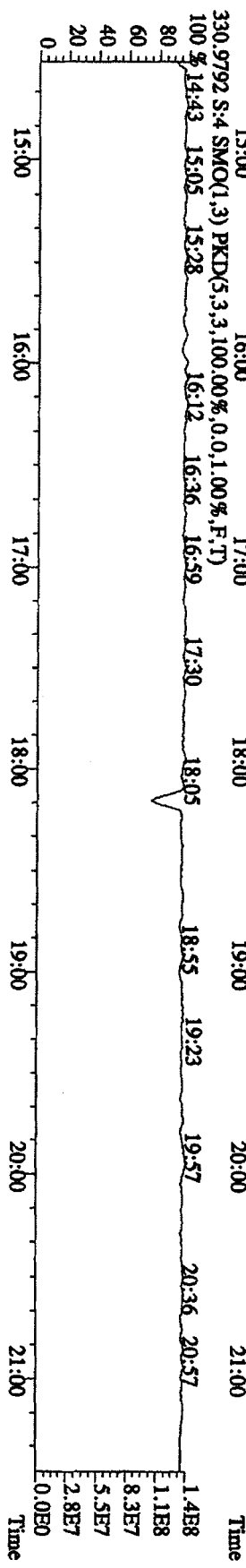
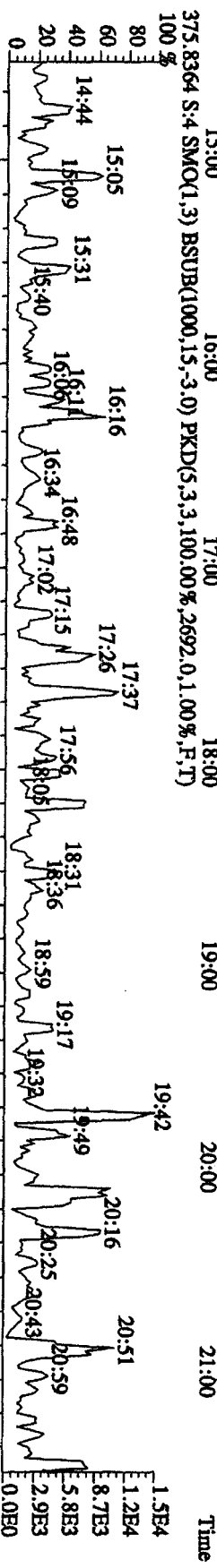
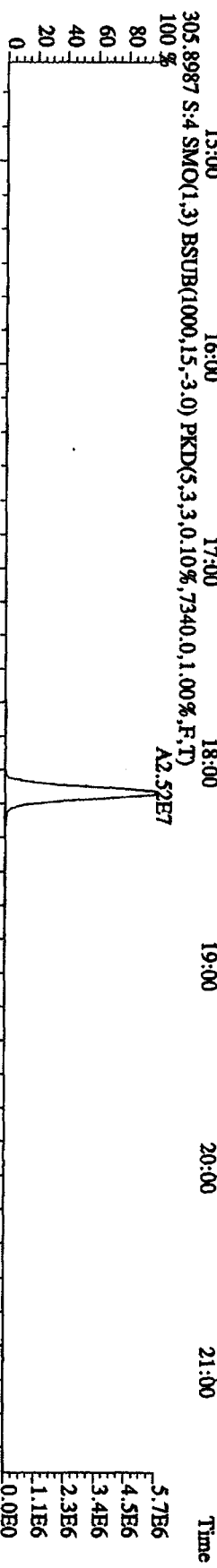
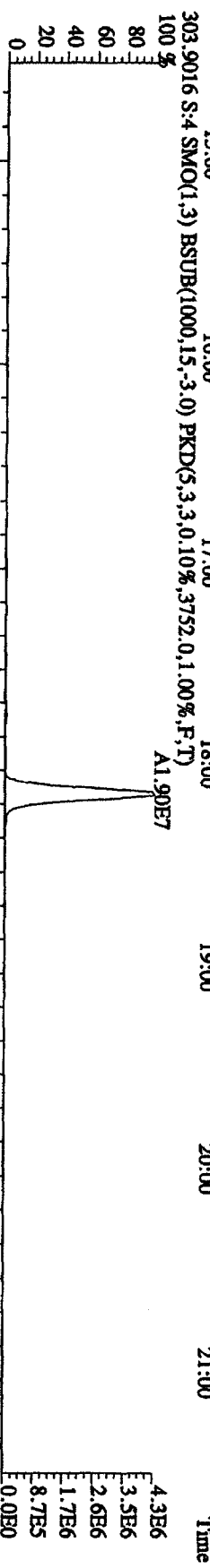
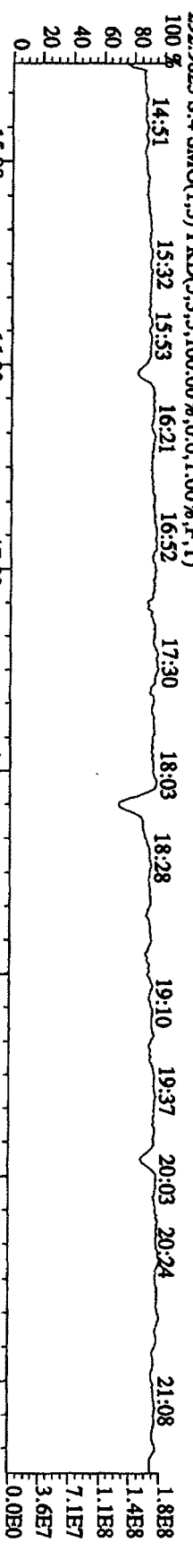
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS 3 09DXN425 Exp:DIOXIN
 441.7428 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,10364,0,1,00%,F,T)



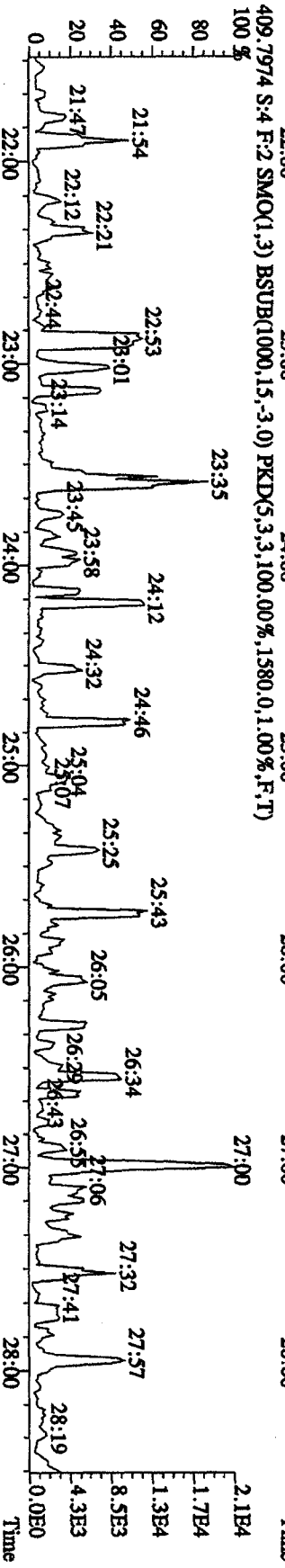
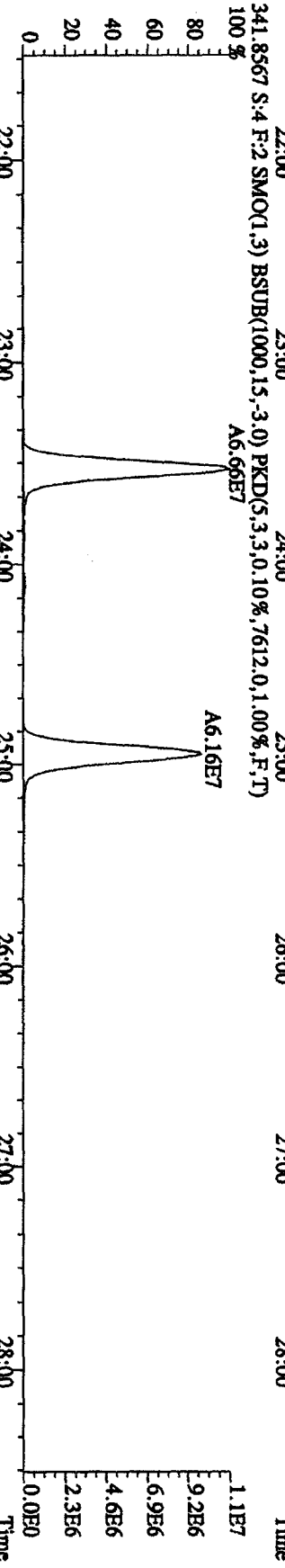
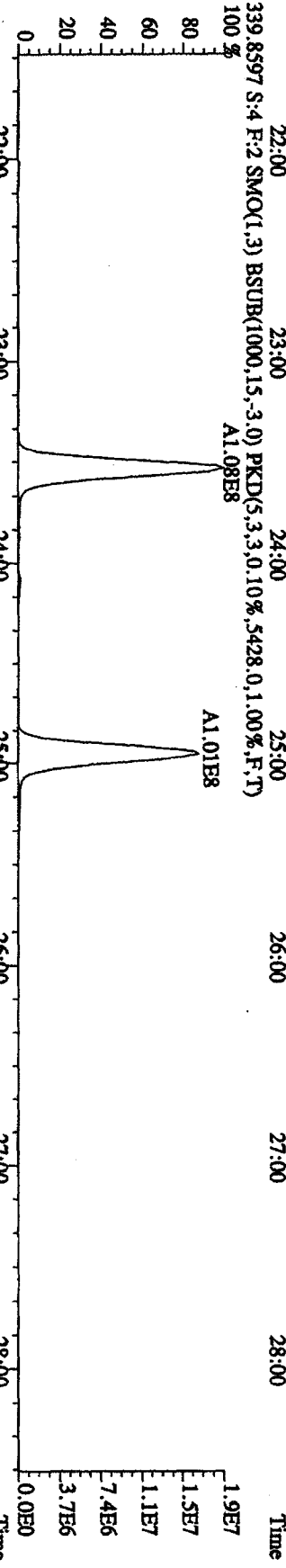
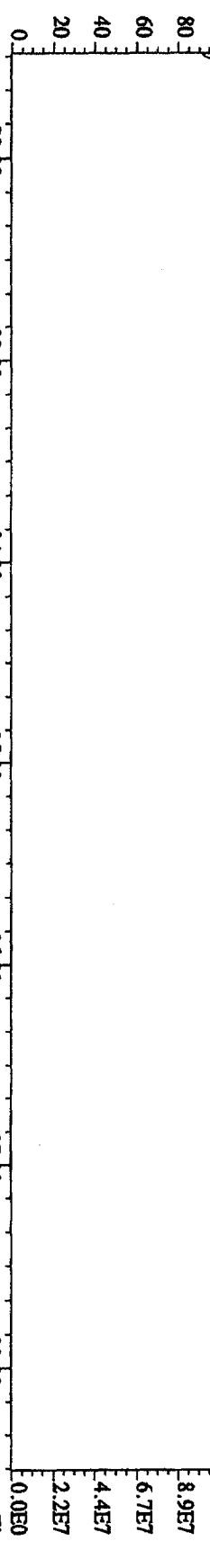
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 457.7377 S:4 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18944.0,1.00%,F,T)
 100 %



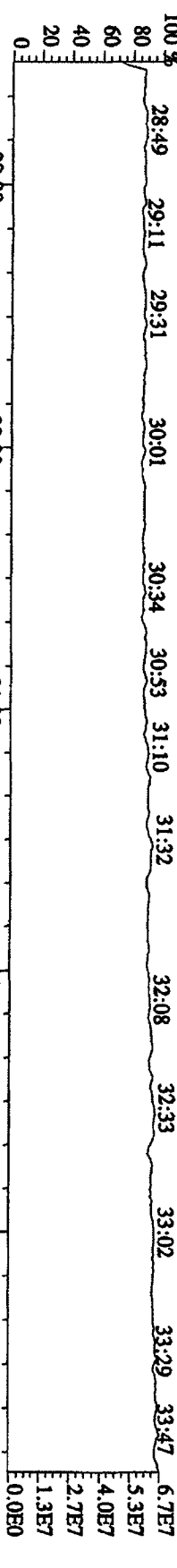
File:31DE09AID5 #1-411 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN



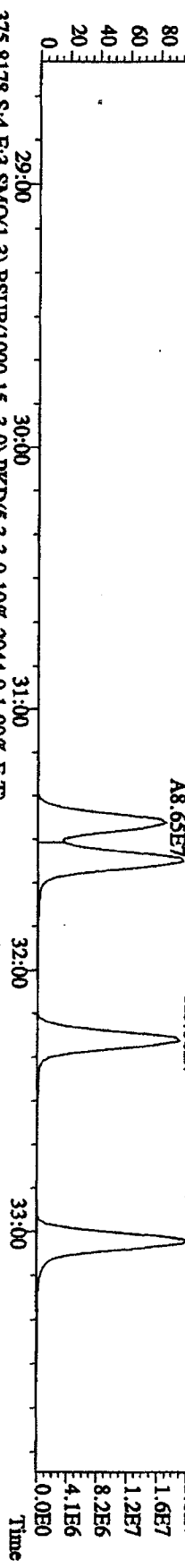
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 342.9792 S:4 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 21:49 22:14 23:00 23:30 24:01 24:22 24:44 25:19 25:47 26:16 26:56 27:30 27:58



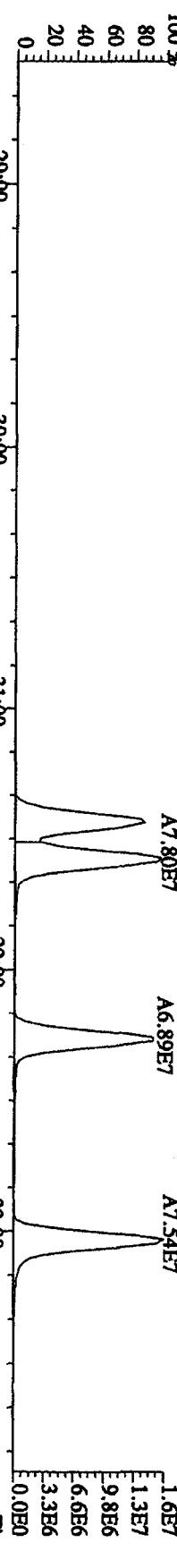
File:31DE09AID5 #1-362 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SFR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 392.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



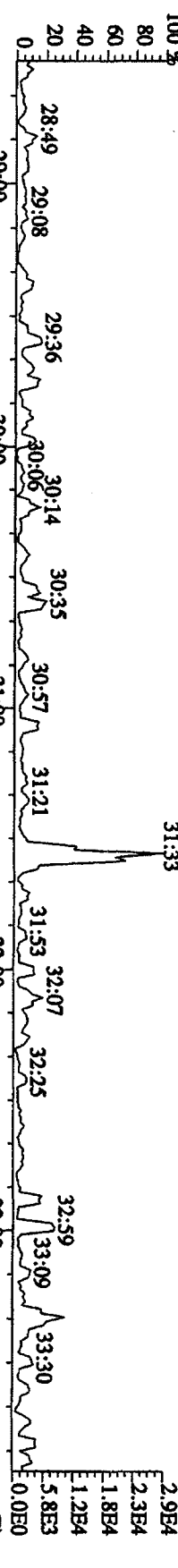
373.8208 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4436,0,1,00%,F,T)



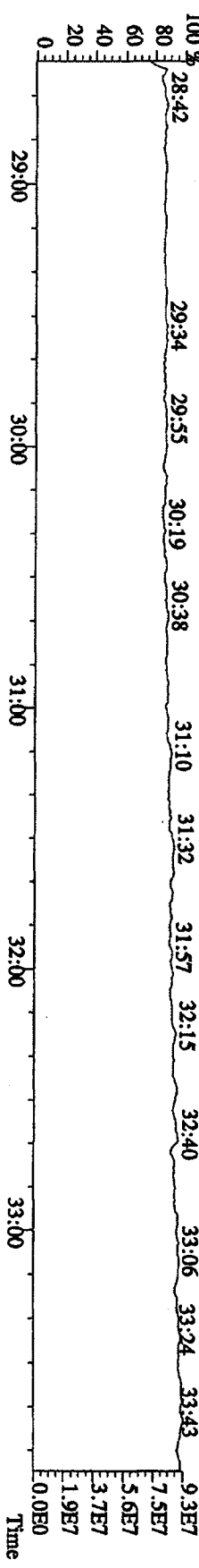
375.8178 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,2944,0,1,00%,F,T)



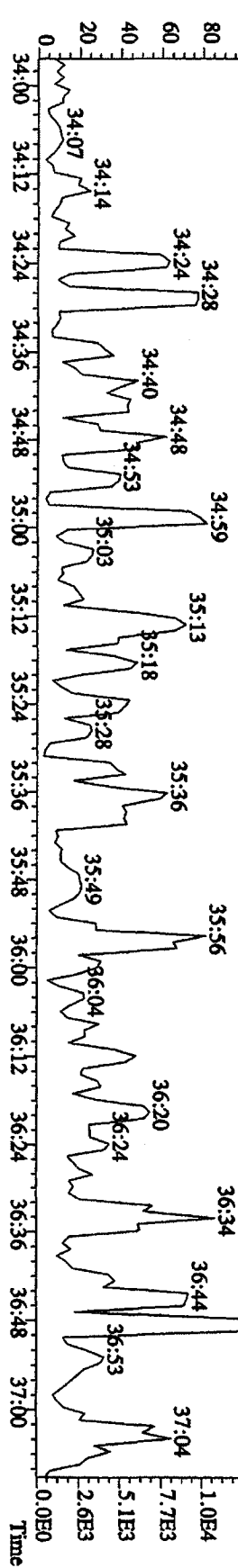
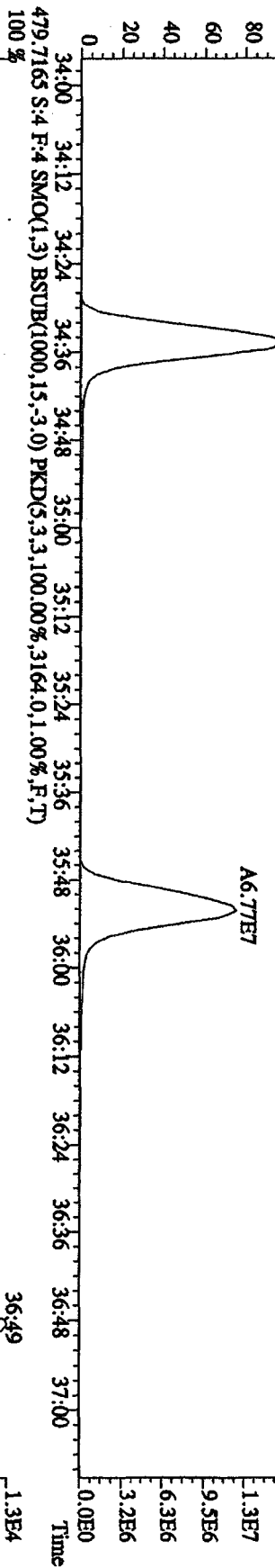
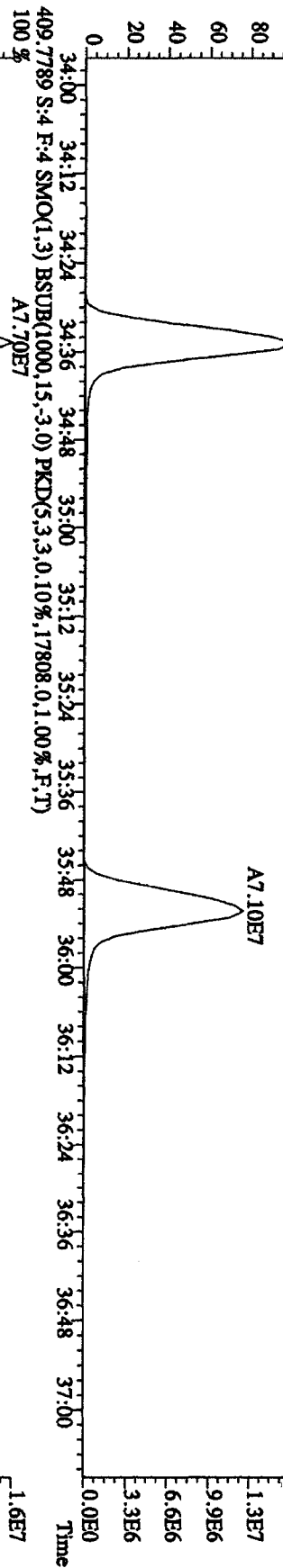
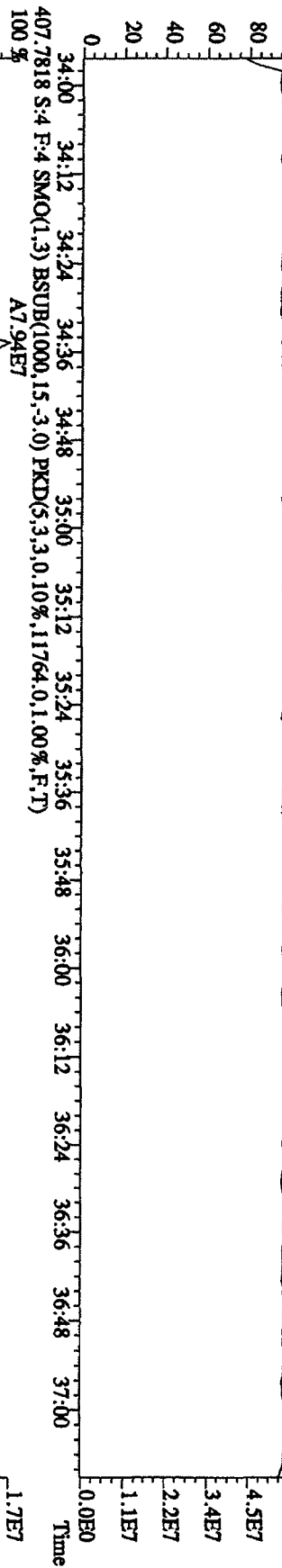
445.7555 S:4 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2064,0,1,00%,F,T)



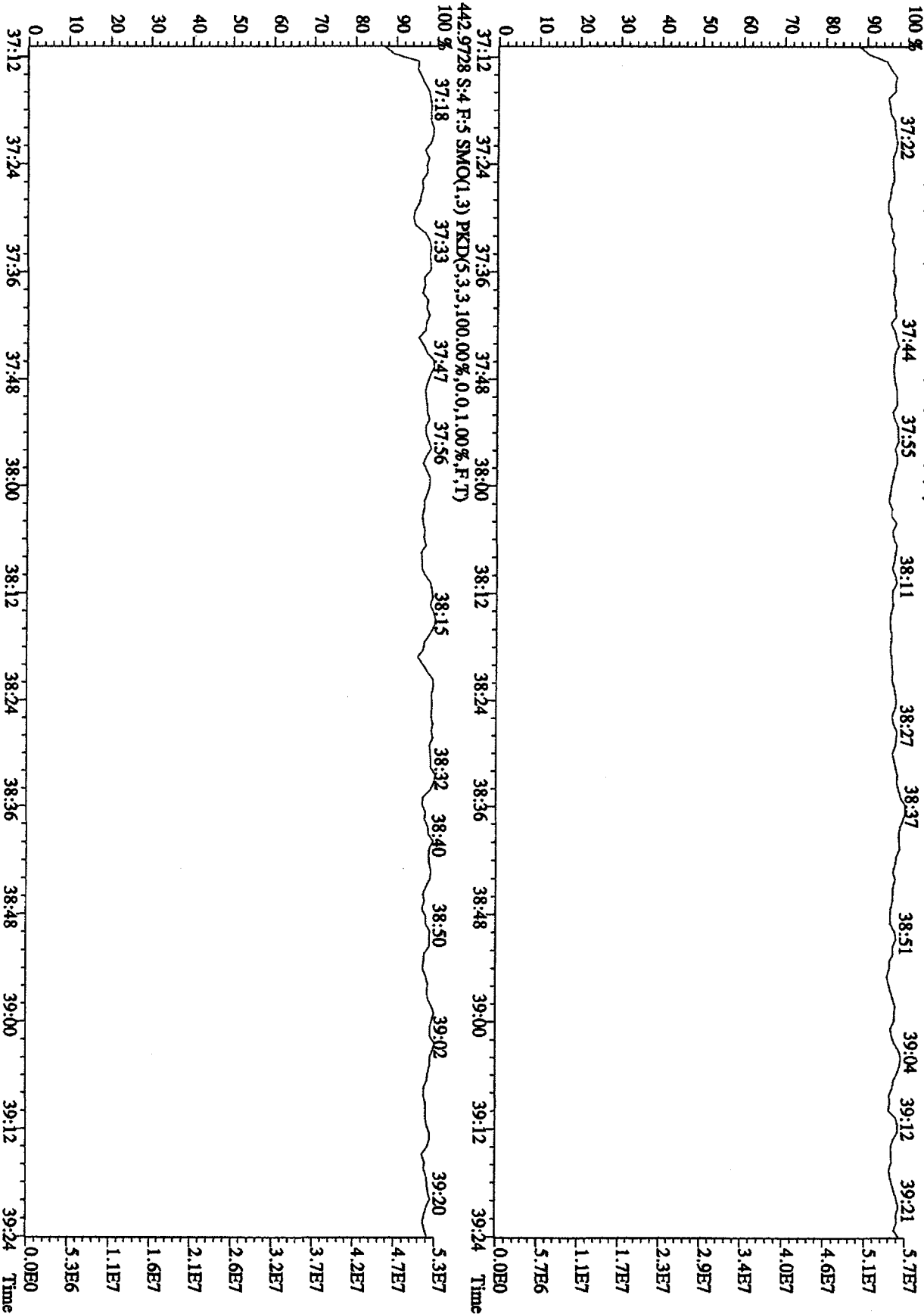
380.9760 S:4 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



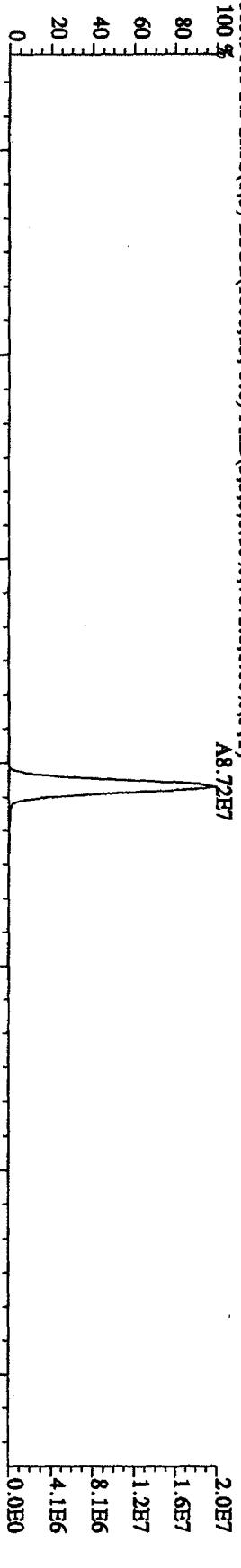
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 01:32:44 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DDXN425 Exp:DIOXIN
 430.9728 S:4 F:4 SMO(1.3) PKD(5.3,3.100,00%,0.0,1.00%,F,T)
 100 % 34:13 34:33 34:51 35:11 35:28 35:43 36:00 36:10 36:32 37:01



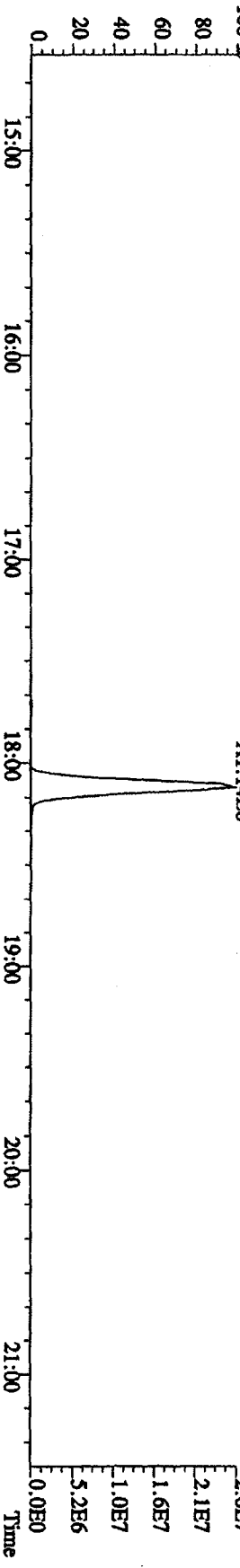
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 01:32:44 GC EI + Voltage SIR 70SE
 Sample#4 Text:ST1231D :CS-3 09DXN425 Exp:DIOXIN
 454.9728 S:4 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



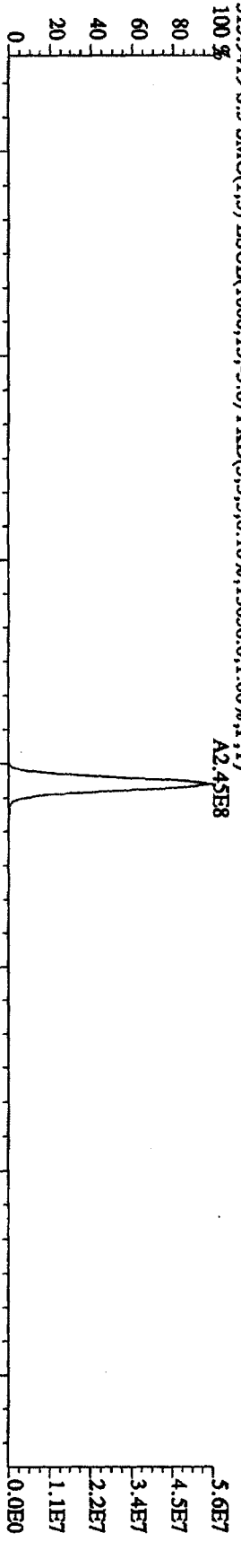
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI + Voltage SHR 70SE
 Sample#5 Text:ST1231E :CS 4 09DXN426 Exp:DIOXIN
 303.9016 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7872,0,1,00%,F,T)



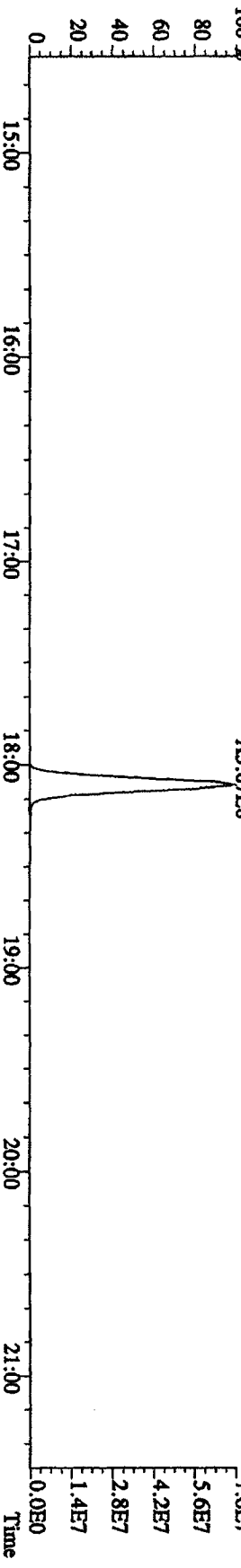
305.8987 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7356,0,1,00%,F,T)



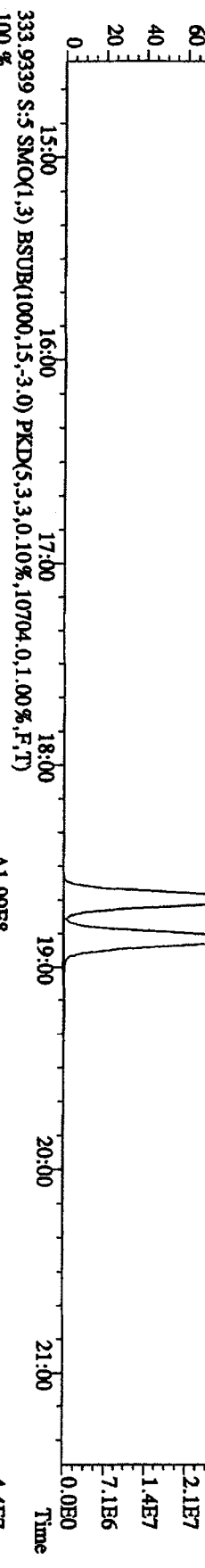
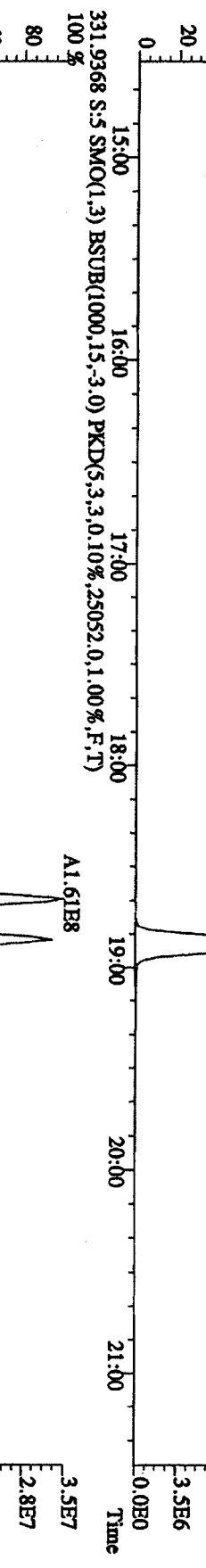
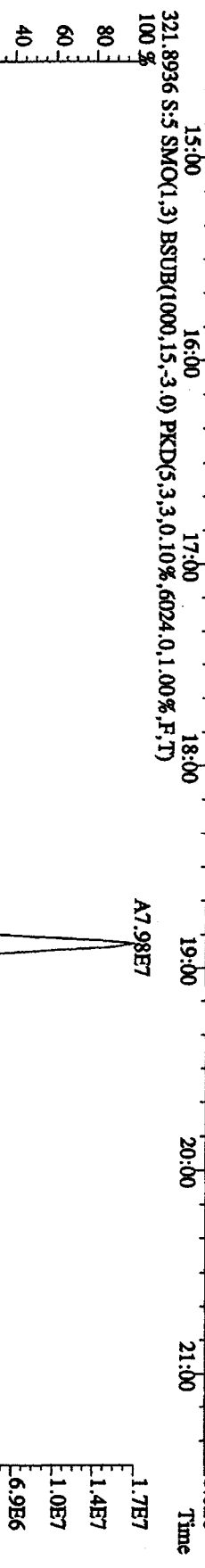
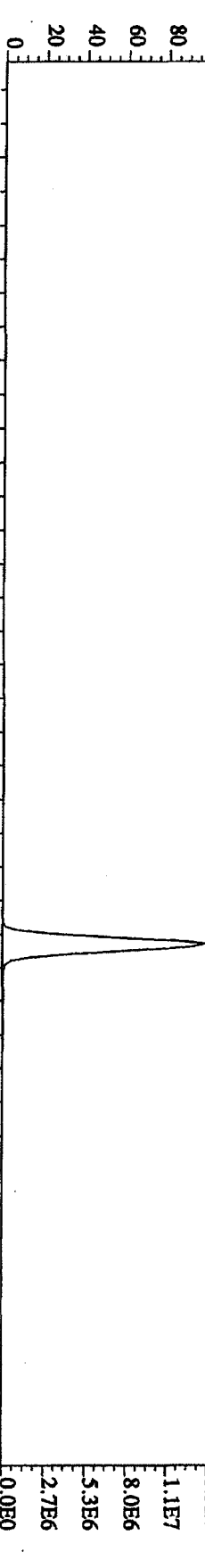
315.9419 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,13056,0,1,00%,F,T)



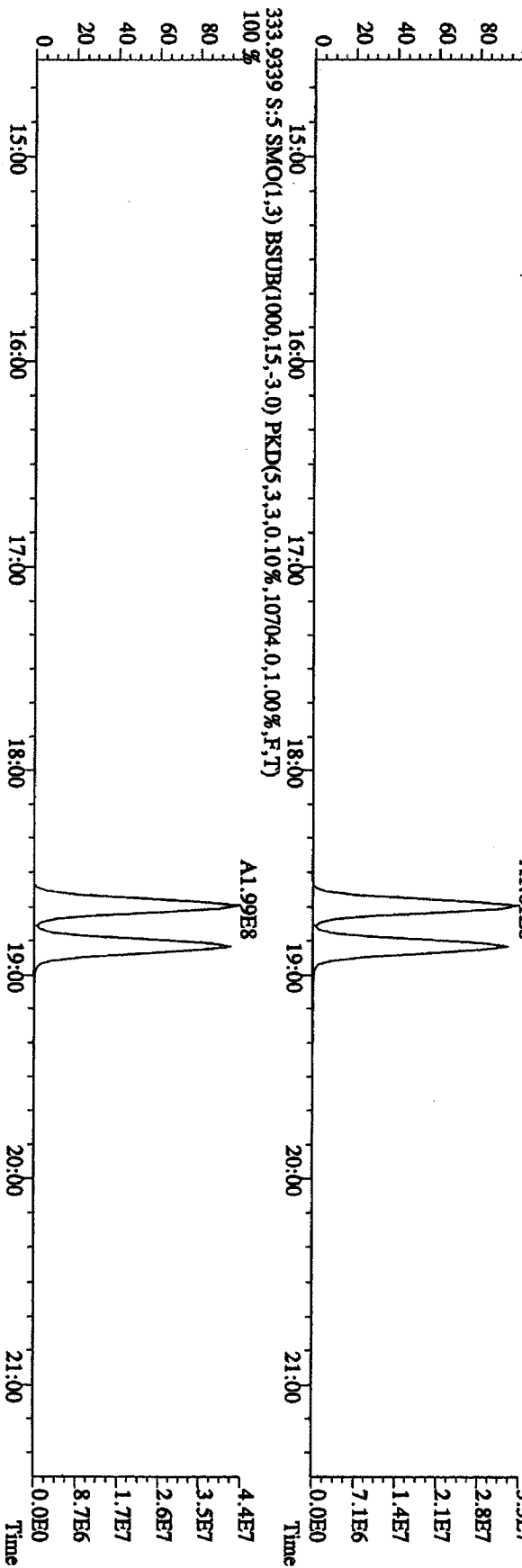
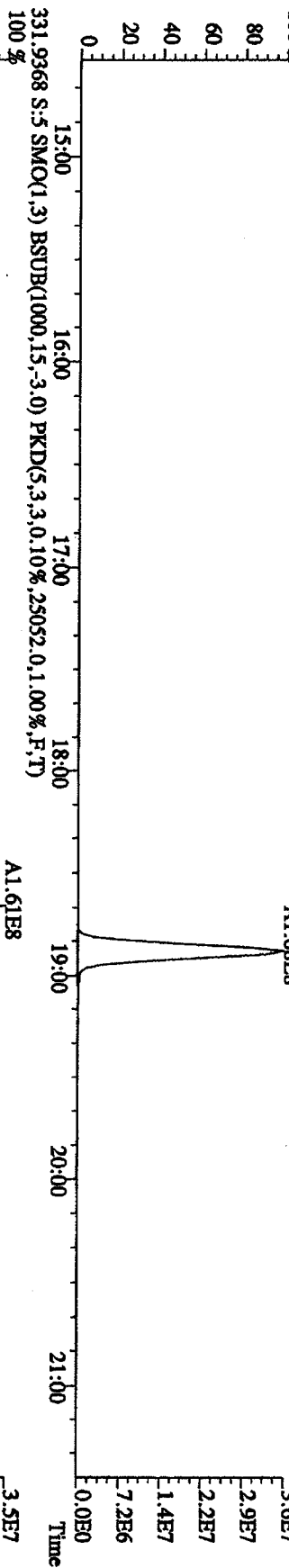
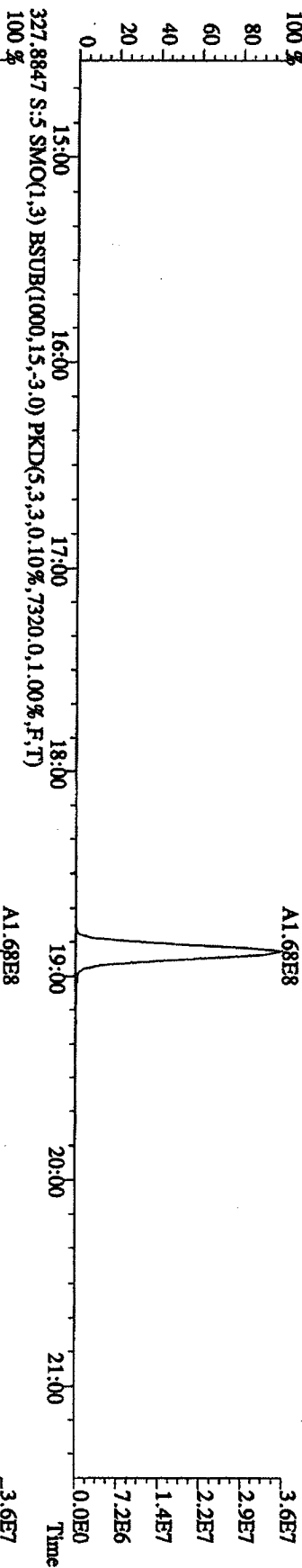
317.9389 S:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12436,0,1,00%,F,T)



File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS 4 09DXN426 Exp:DIOXIN
 319.8965 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4916,0.1,00%,F,T) 100 %

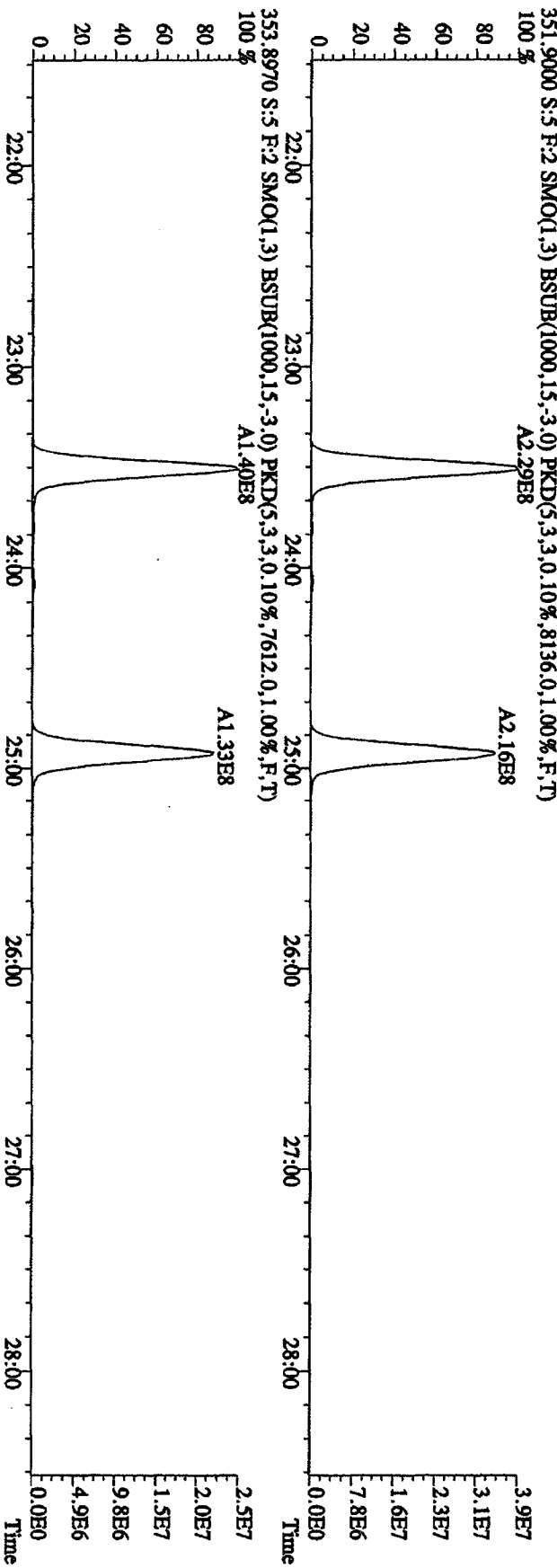
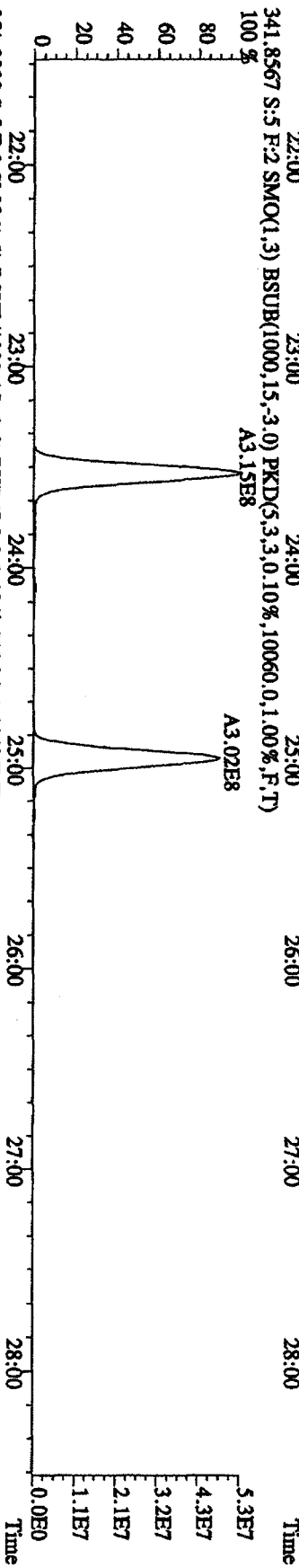
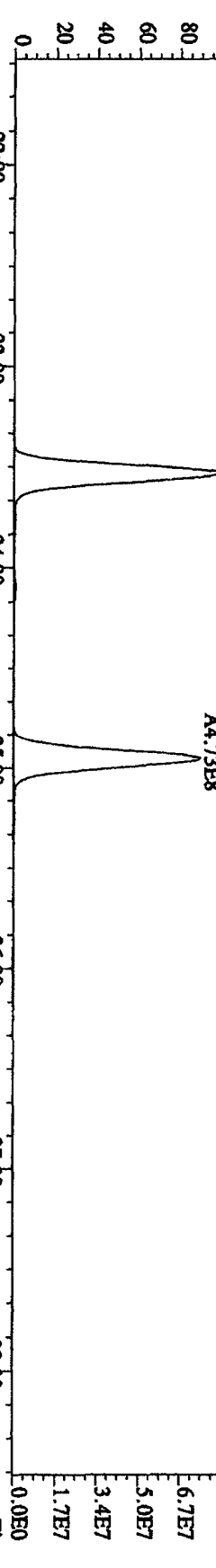


File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 327.8847 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7320,0,1.00%,F,T)

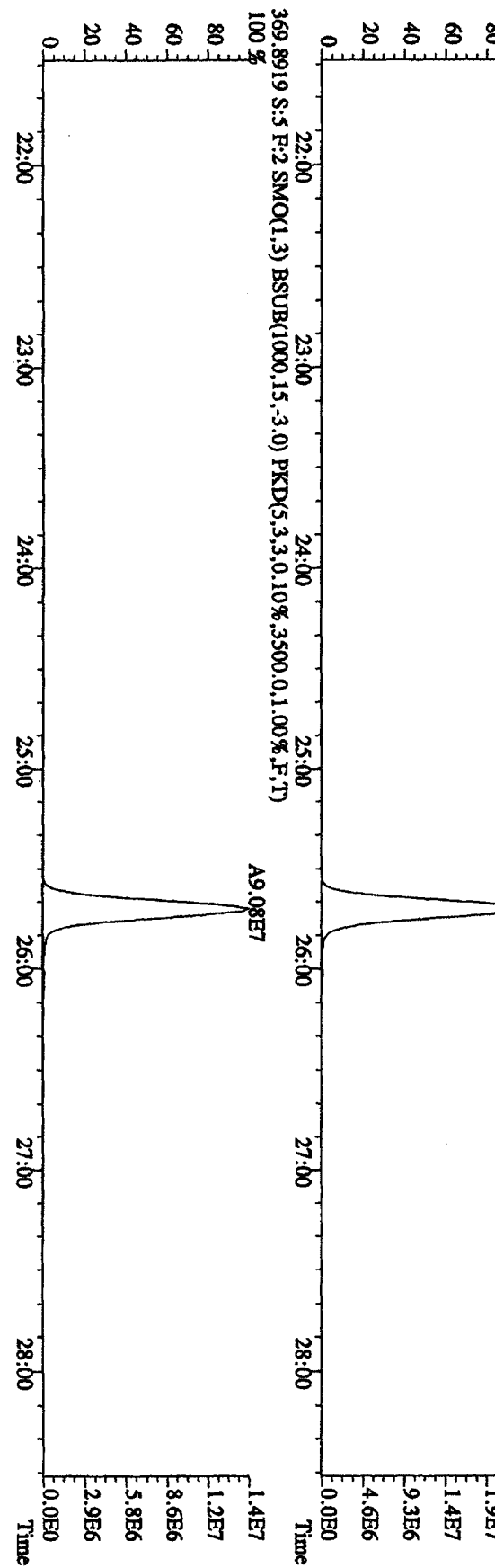
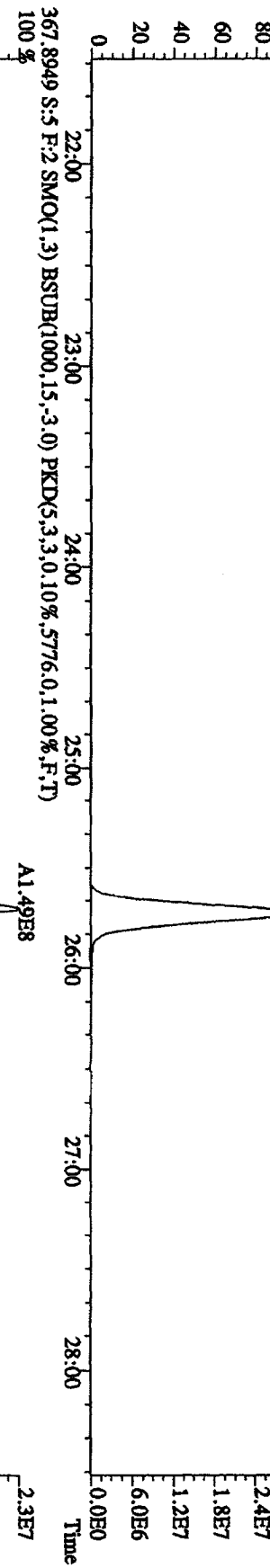
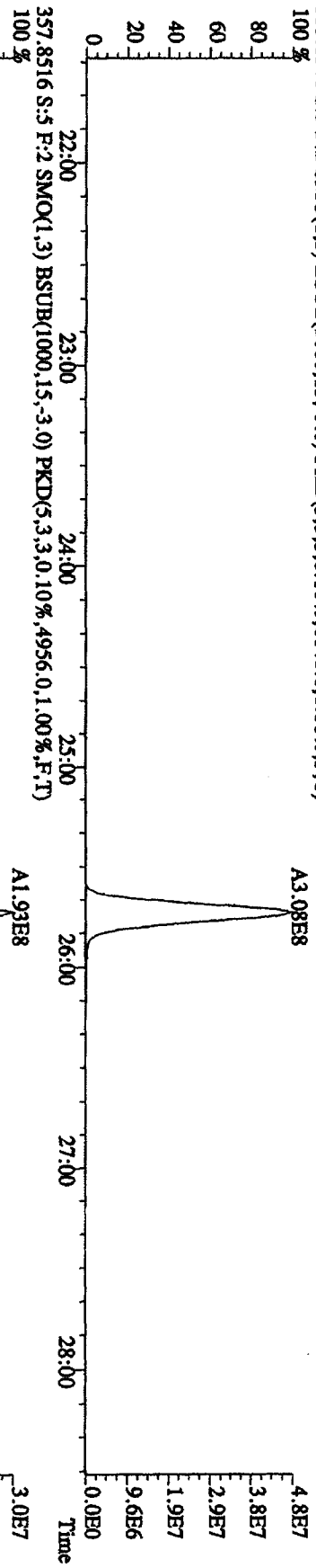


File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE

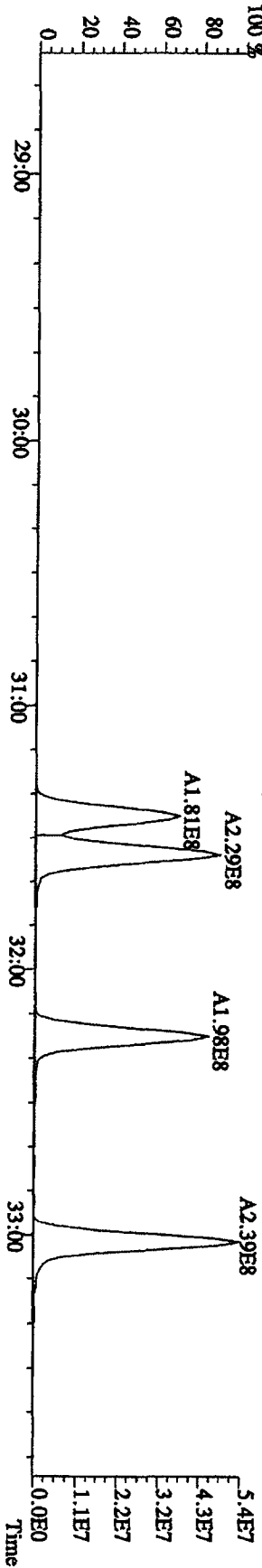
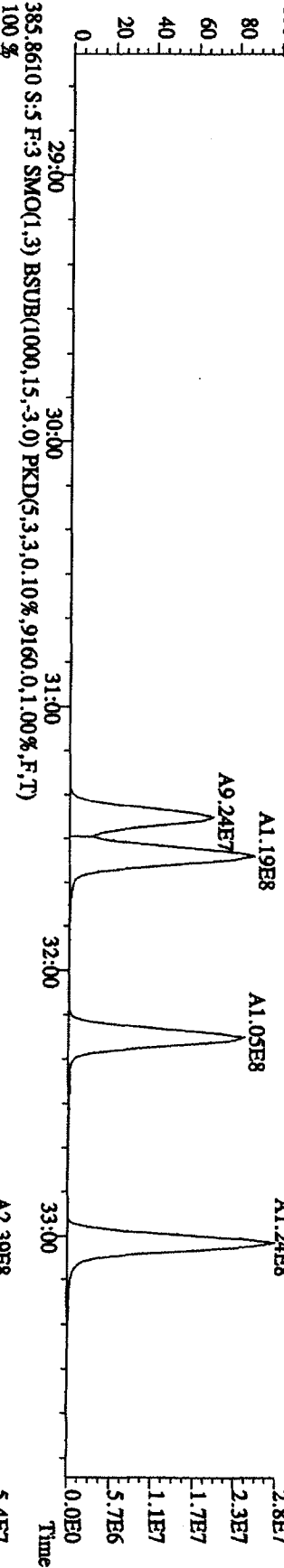
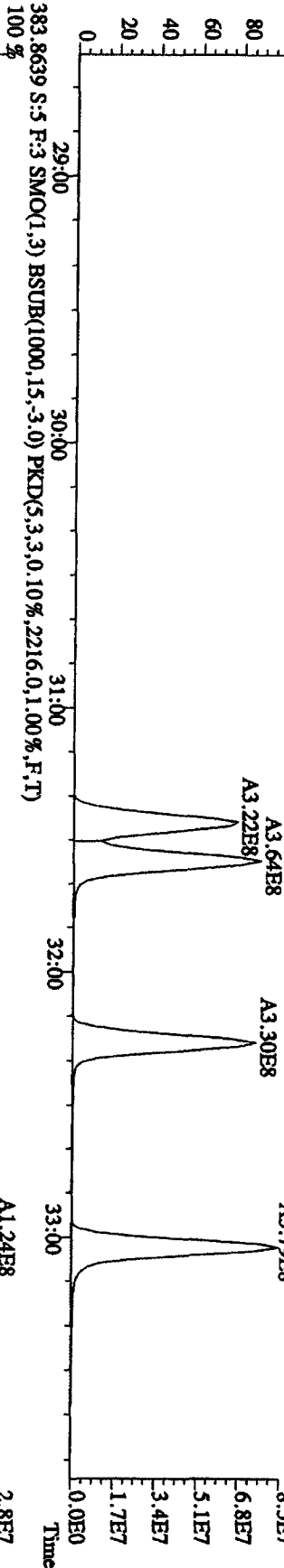
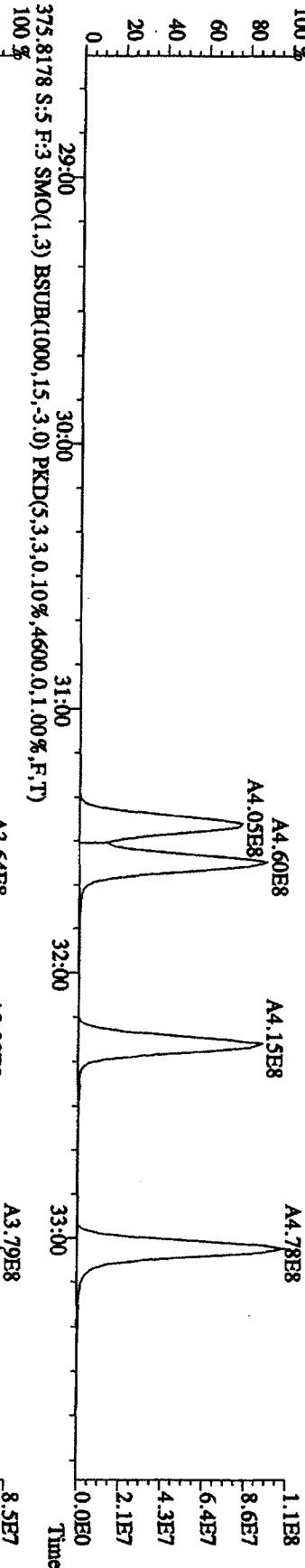
Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN



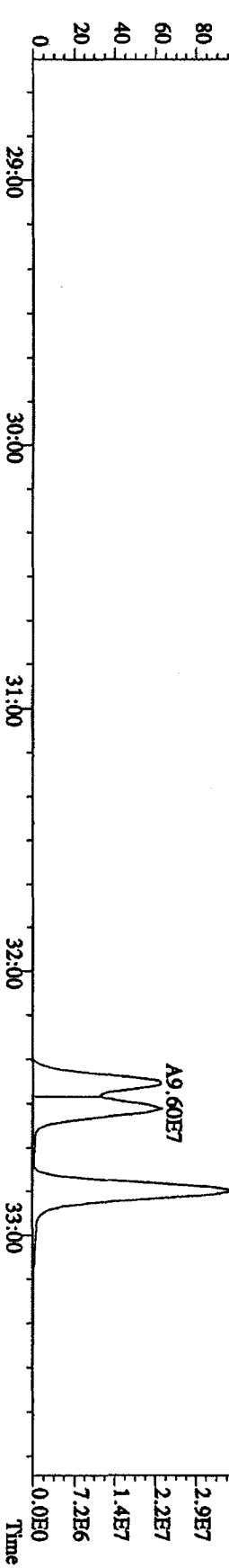
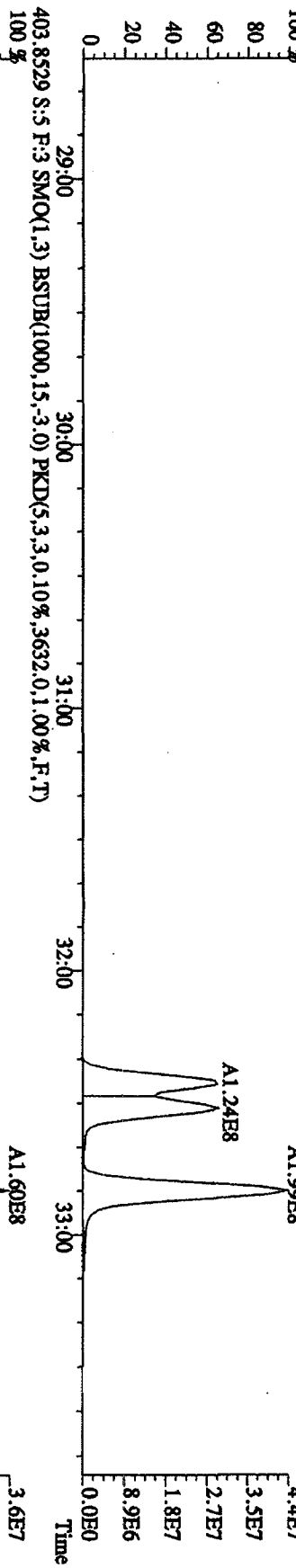
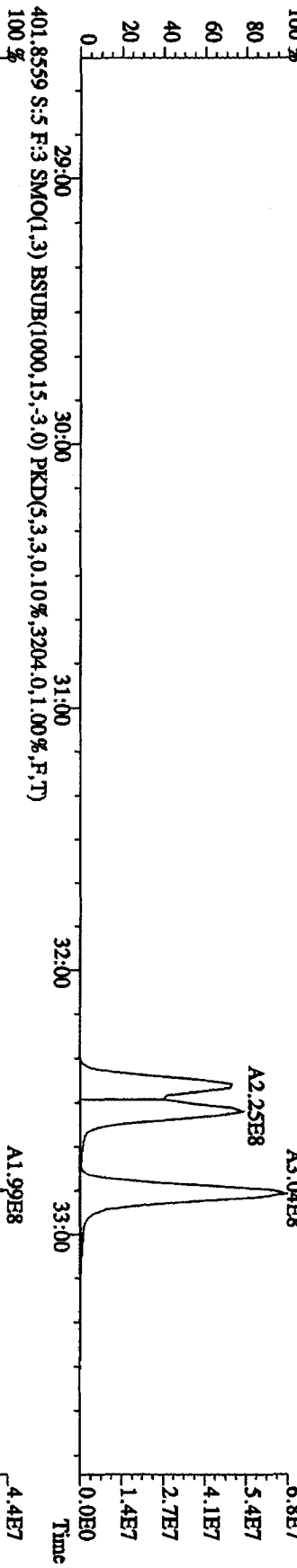
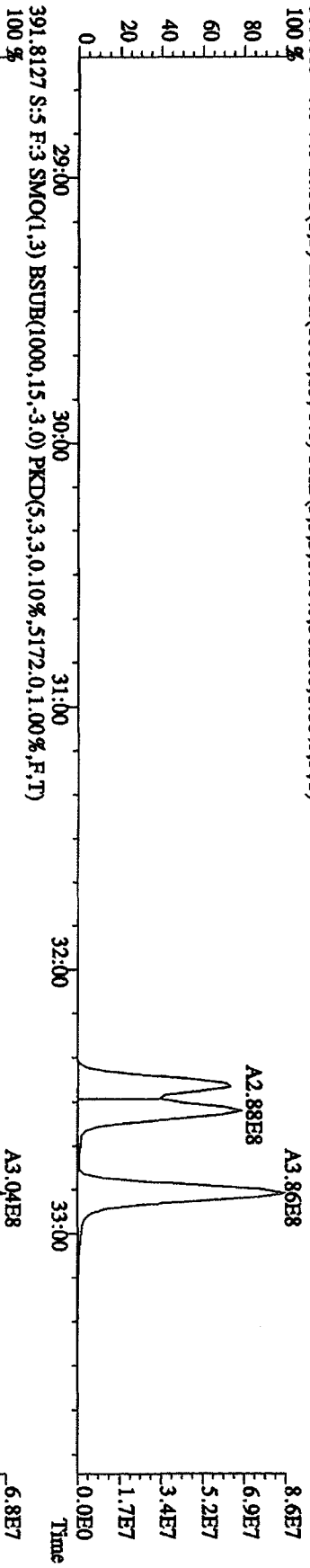
File:31DE09A1ID5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 355.8546 S:5 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6848,0,1,00%,F,T)
 100 %



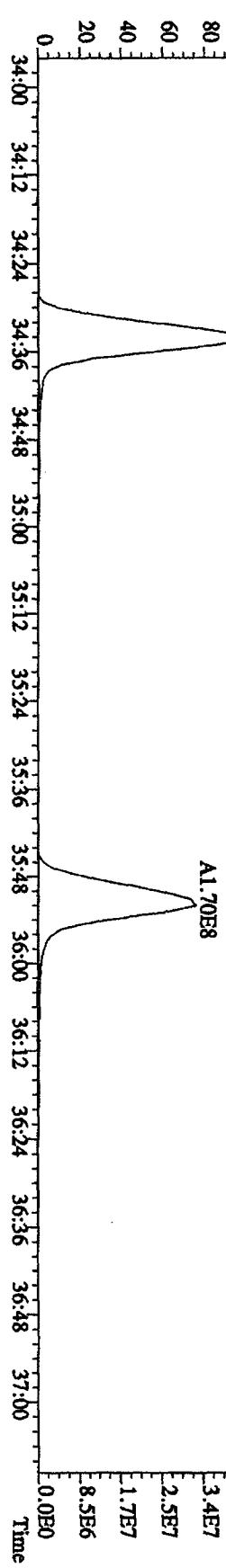
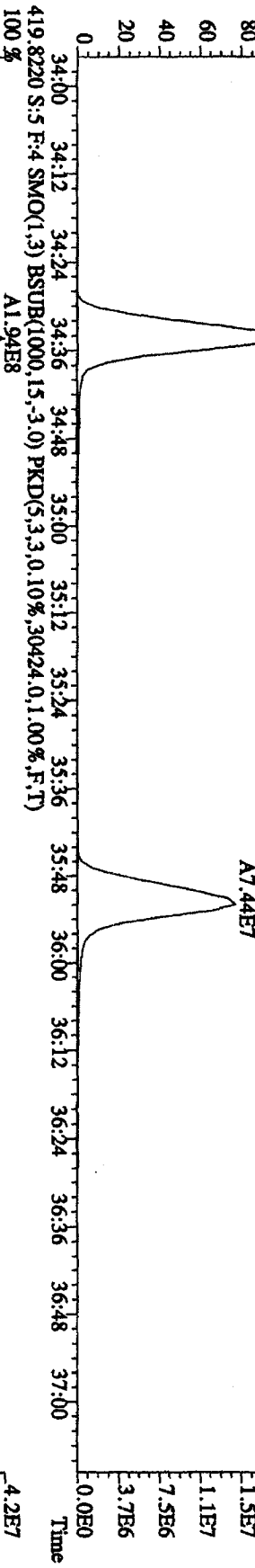
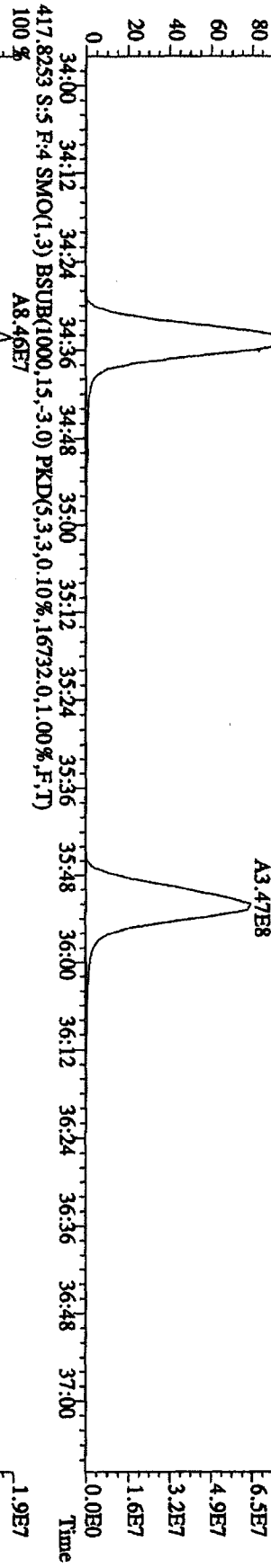
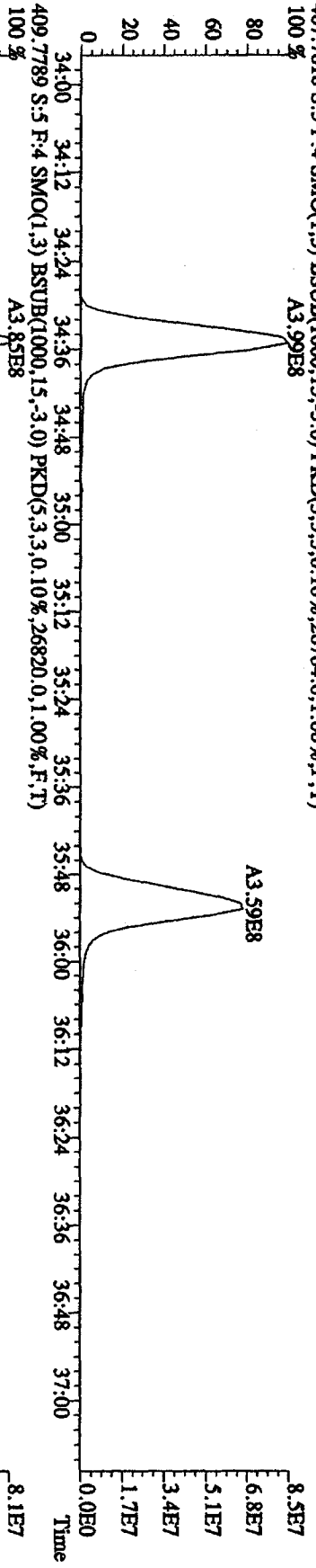
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 373.8208 S:5 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4496.0,1.00%,F,T)



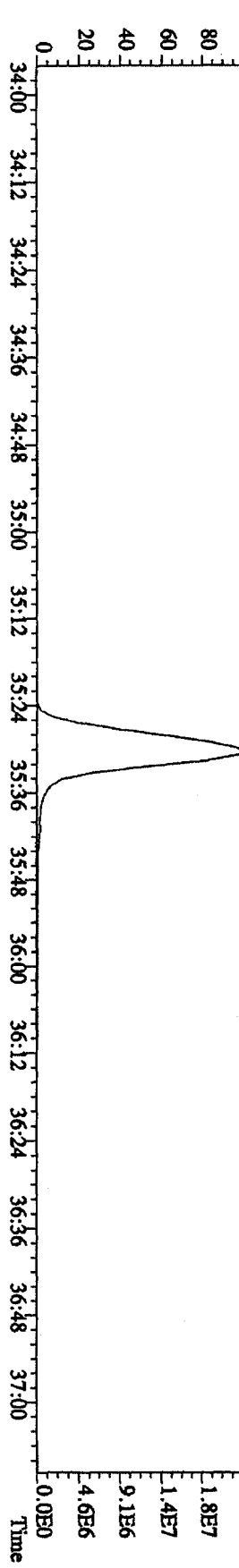
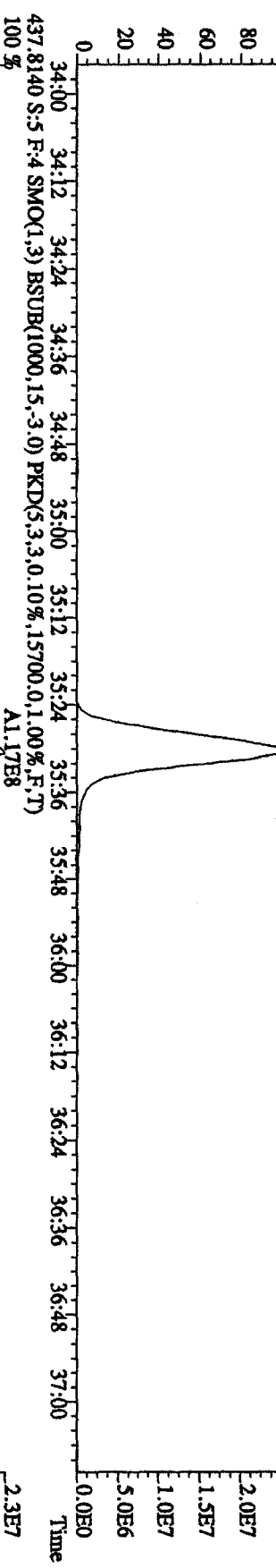
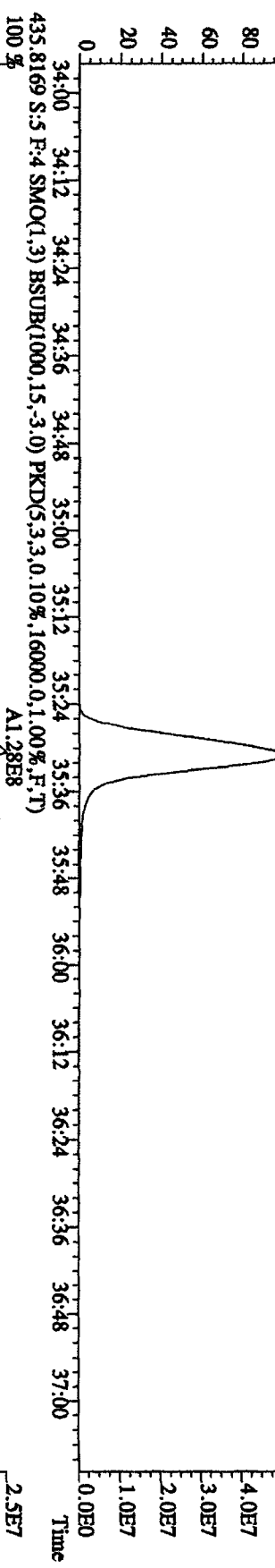
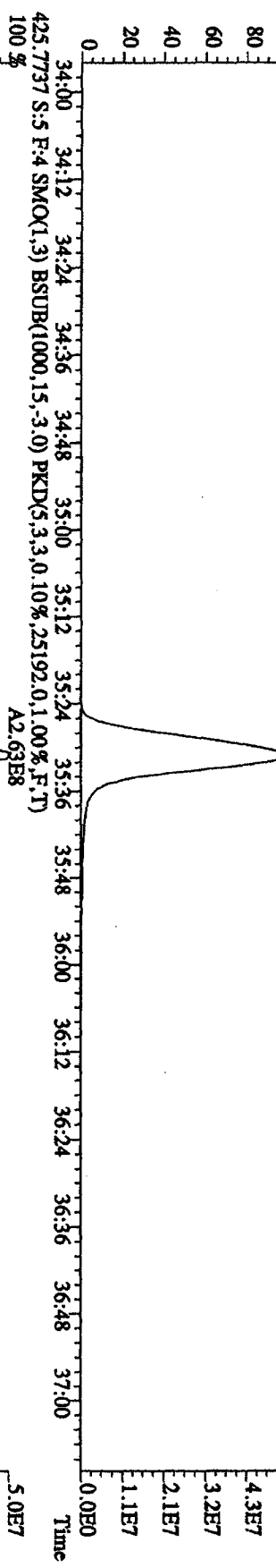
File:31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SRR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 389.8157 S:5 F:3 SMO(1.3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3028,0,1.00%,F,T)
 100 %



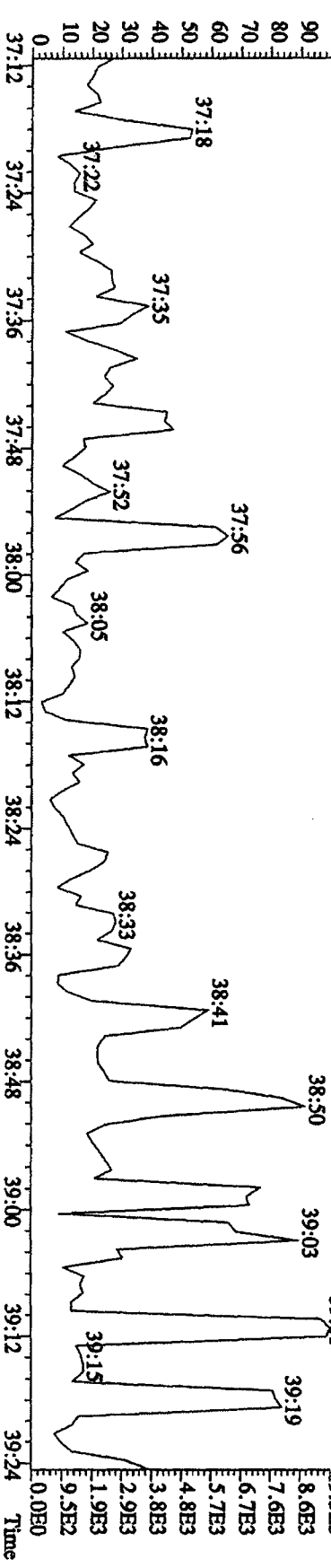
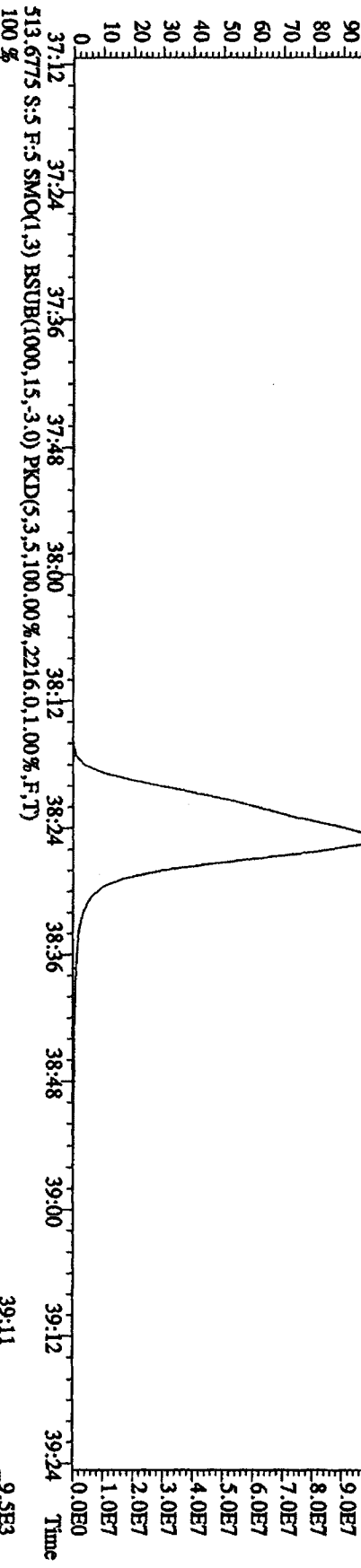
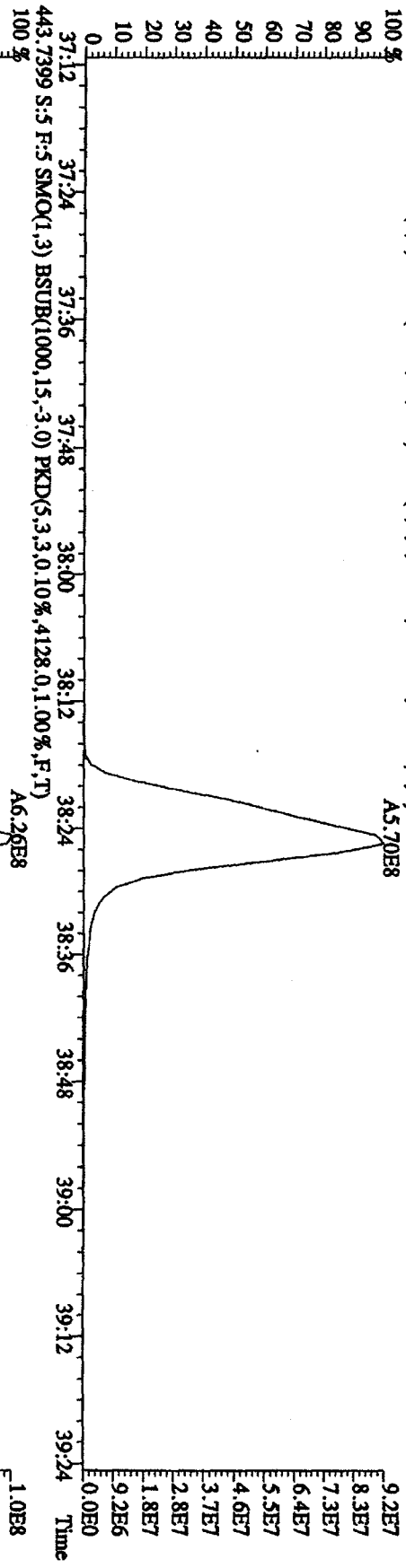
File:31DE09AID5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 407.7818 S:5 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,26764,0,1,00%,F,T)
 100 %



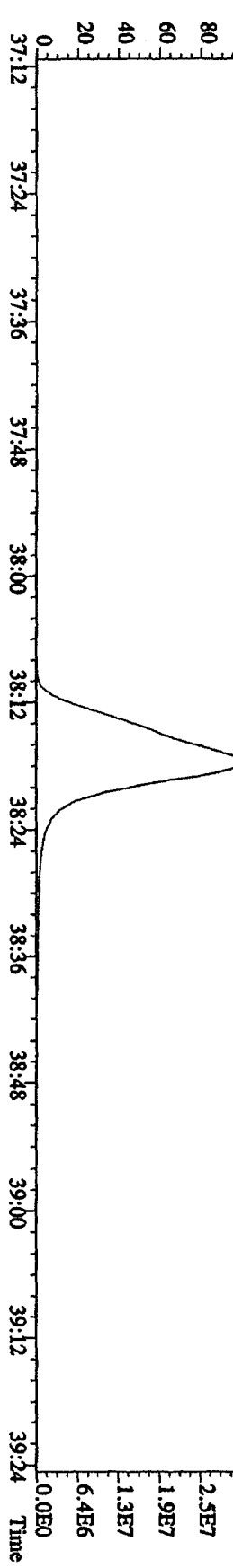
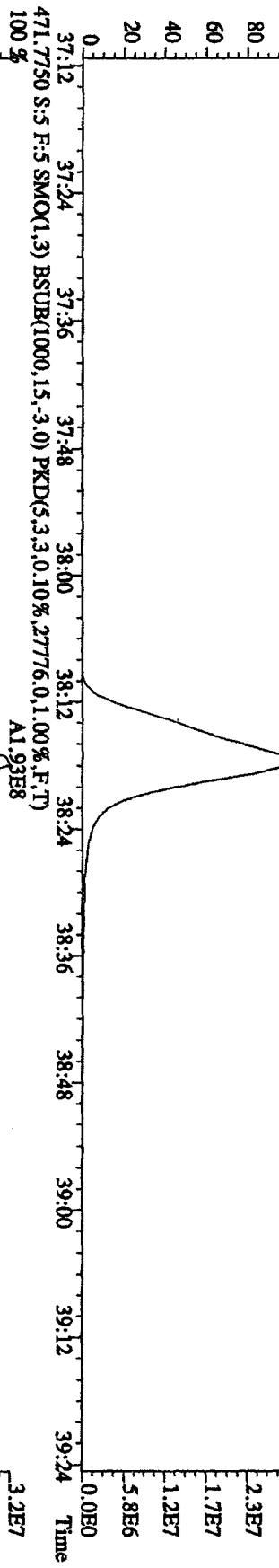
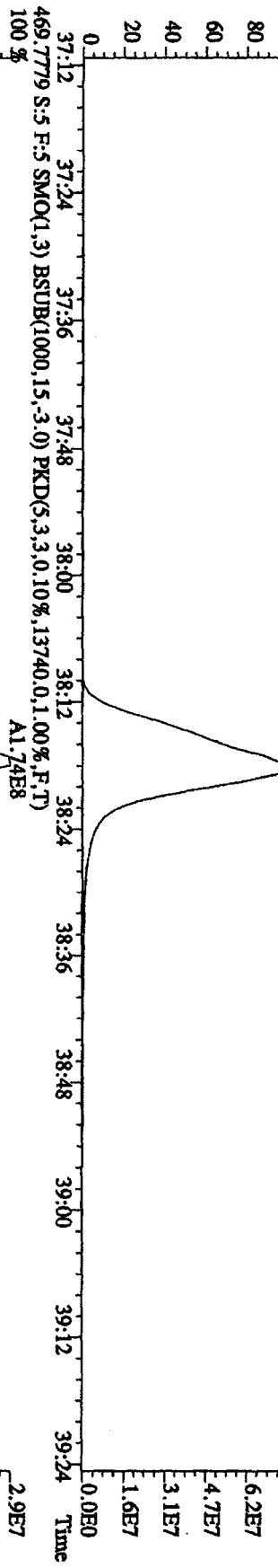
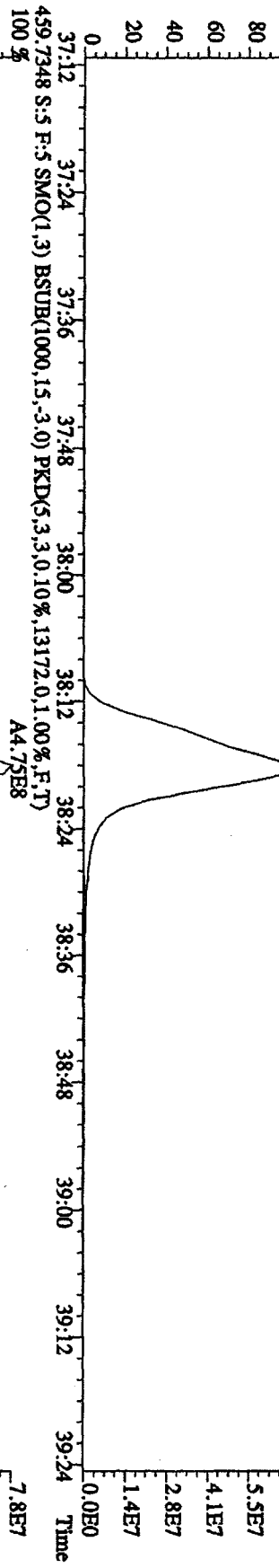
File: 31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST1231E :CS 4 09DDXN426 Exp: DIOXIN
 423.7766 S:5 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,.22832,0.1,0.0%,F,T)
 100 % A2.77E8



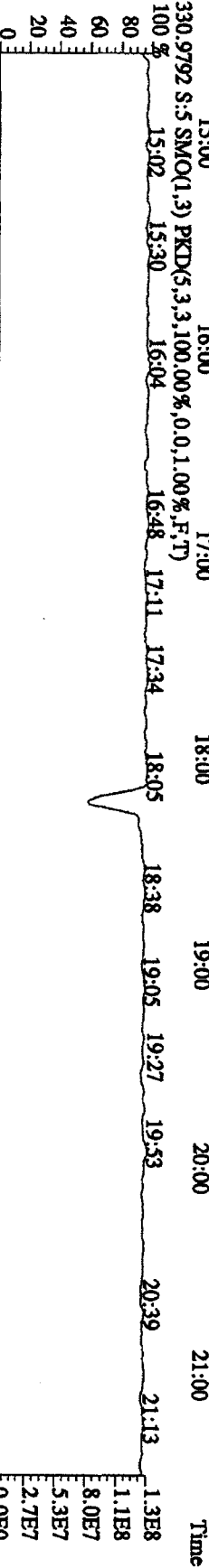
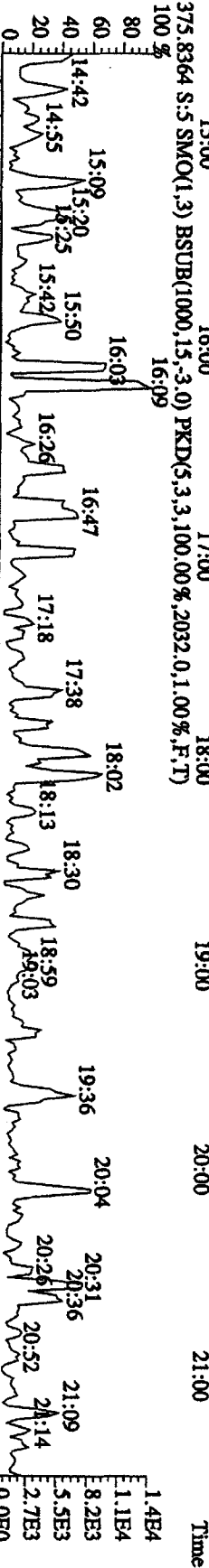
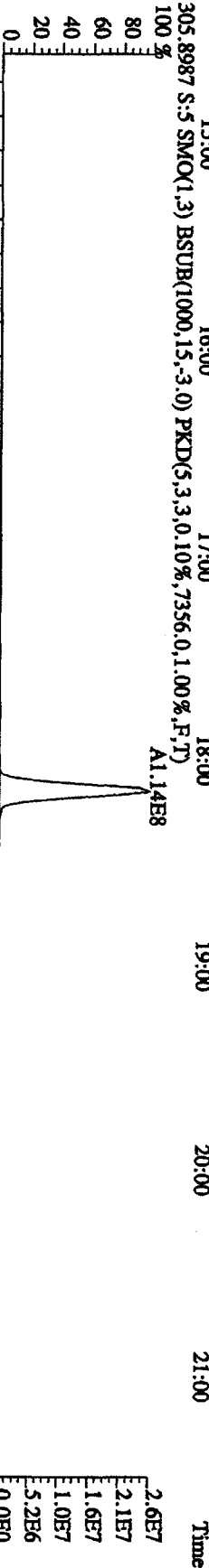
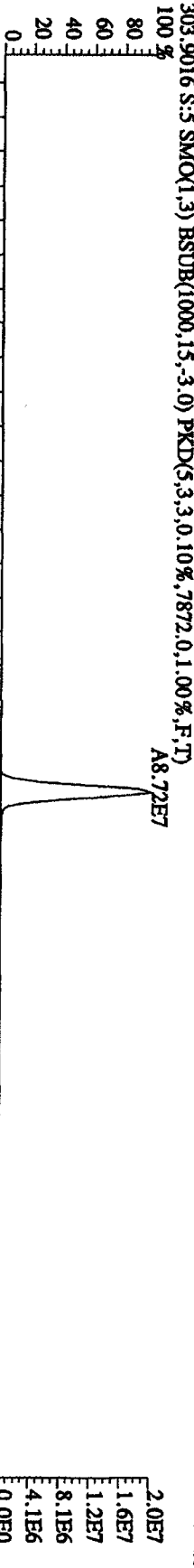
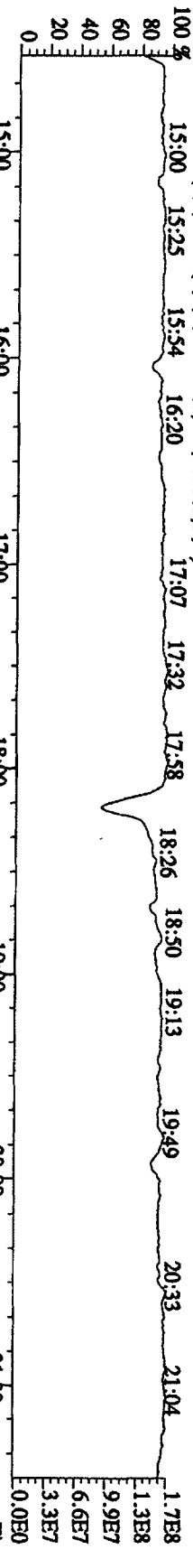
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXK426 Exp:DIOXIN
 441.7428 S:5 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,32256,0.1,00%,F,T)



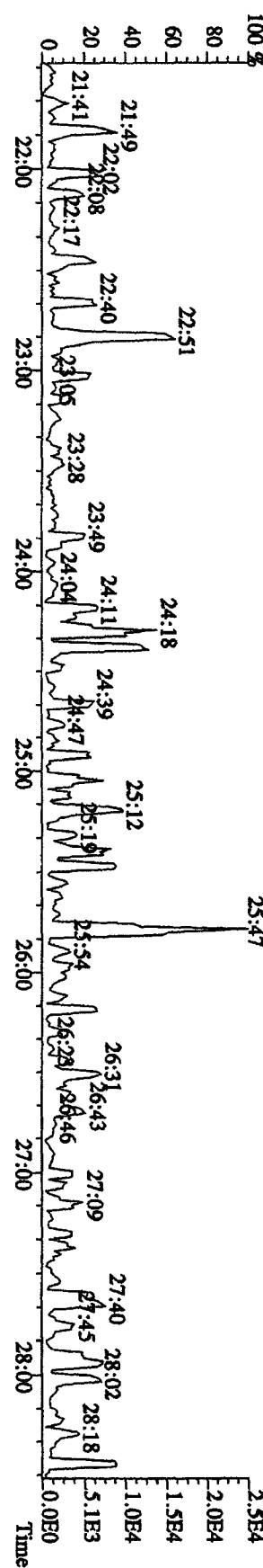
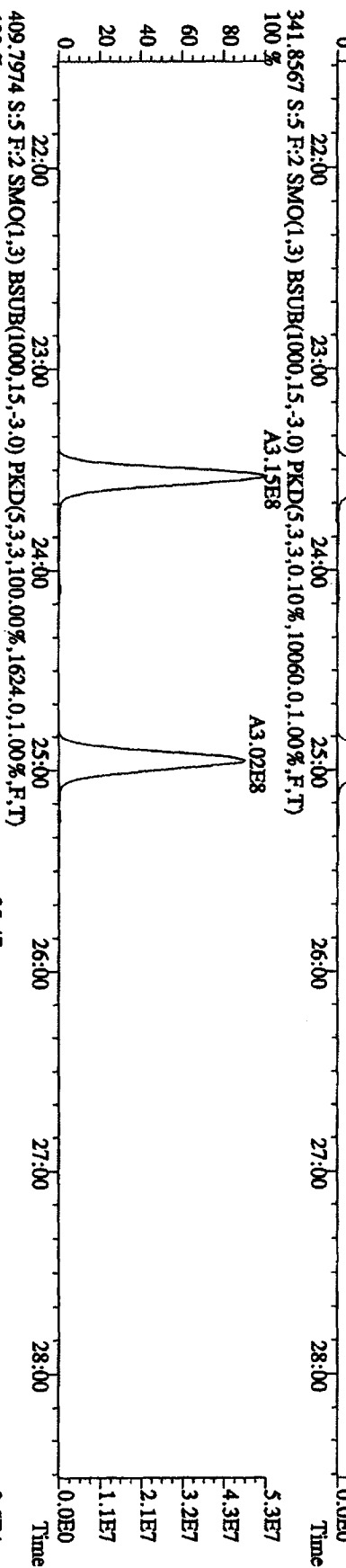
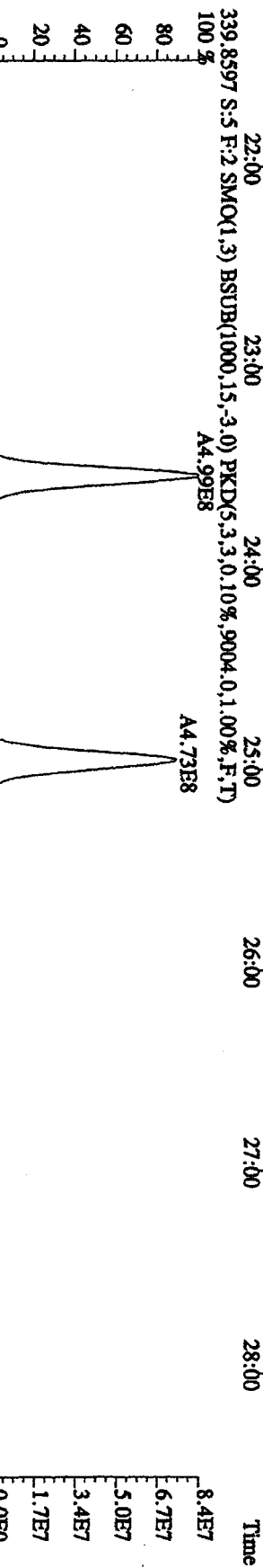
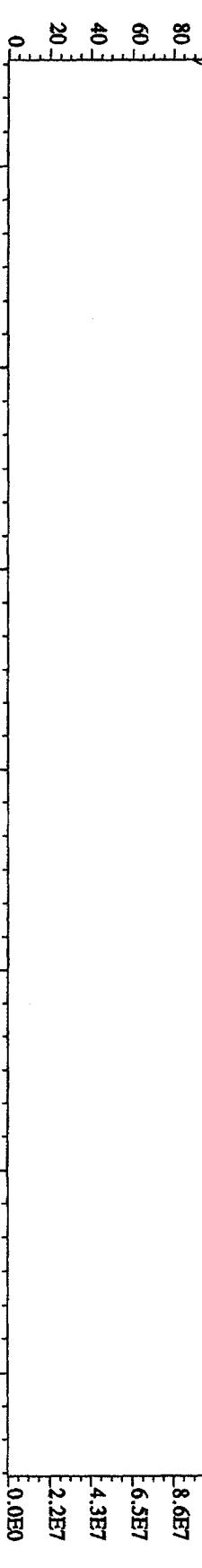
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DI0XIN
 457.7377 S.S F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,0,10%,17292,0,1,00%,F,T)
 100 %



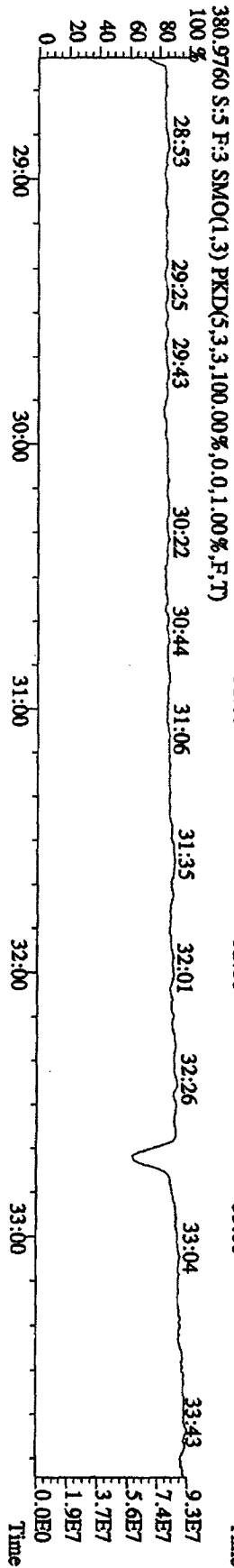
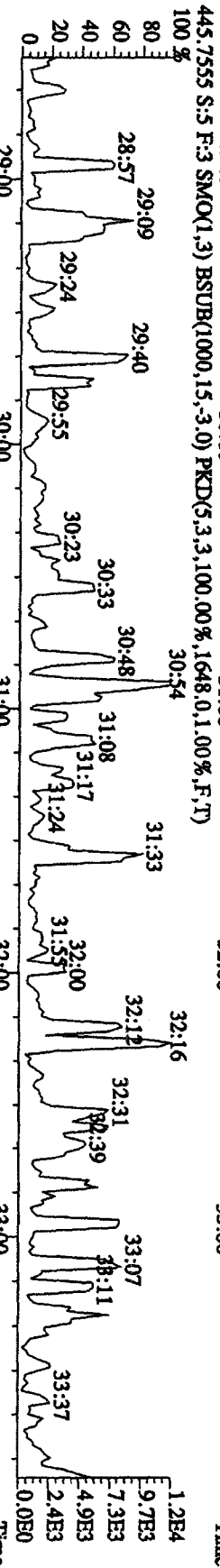
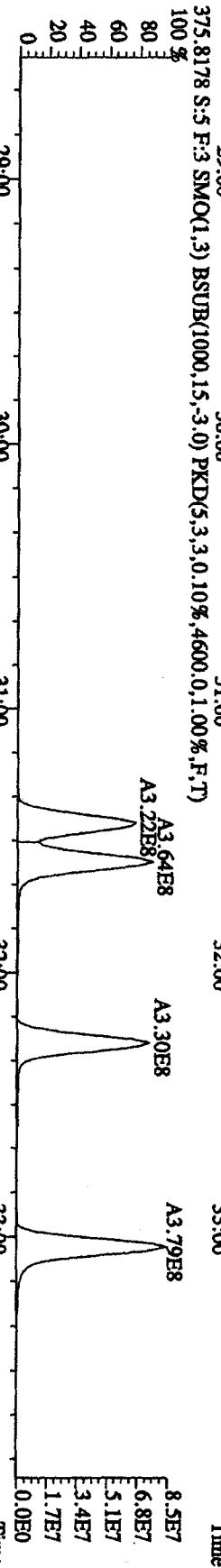
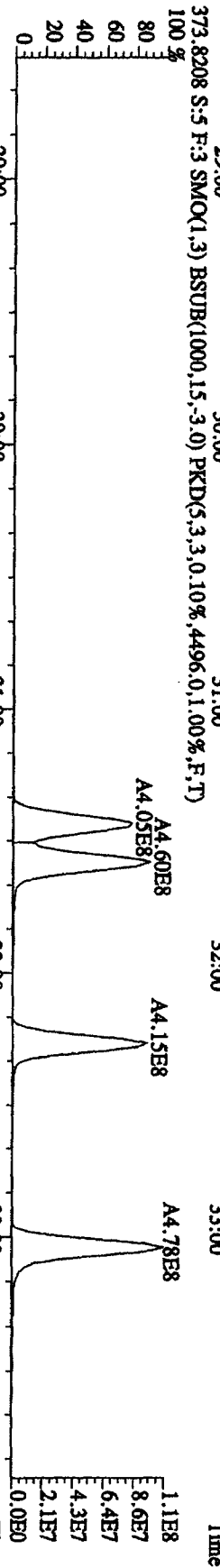
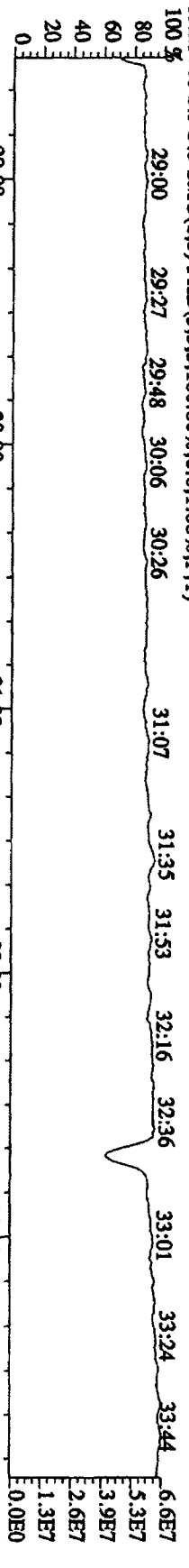
File:31DE09A1D5 #1-410 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Samples Text:ST1231E :CS-4 09DDXN426 Exp:DIOXIN



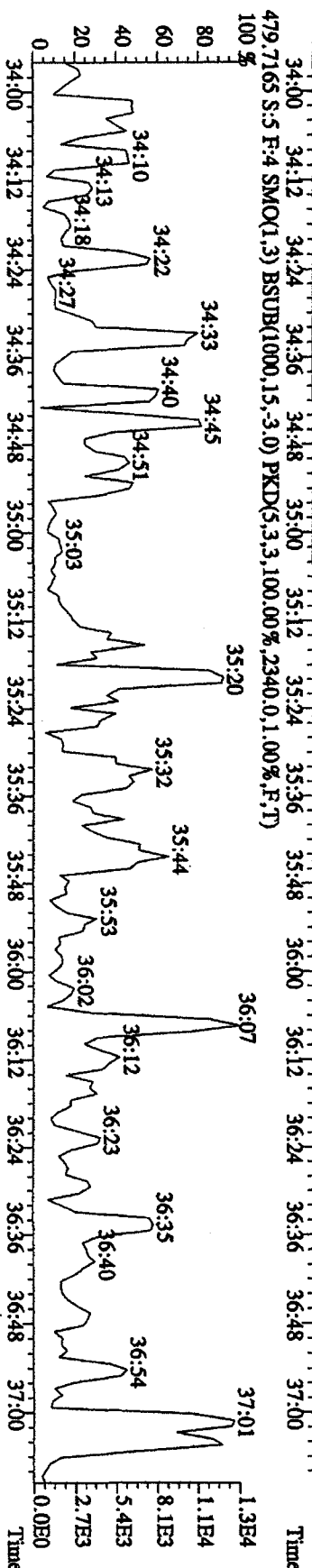
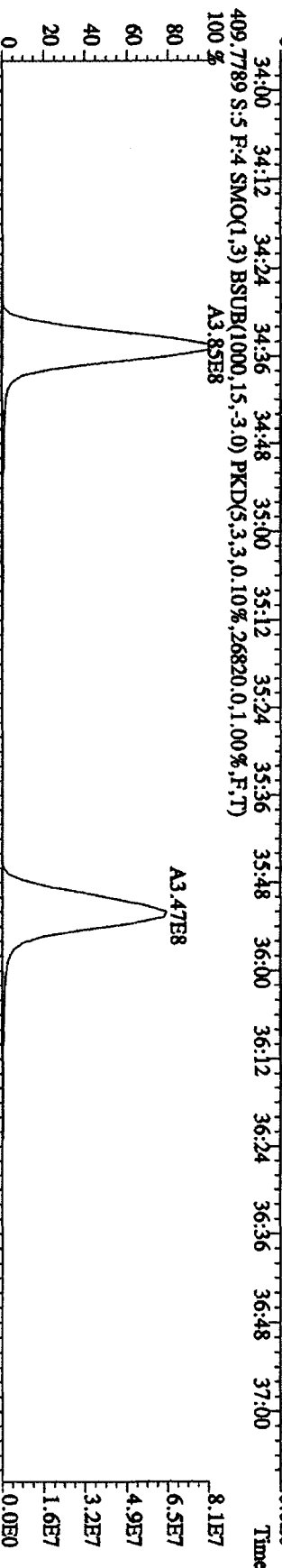
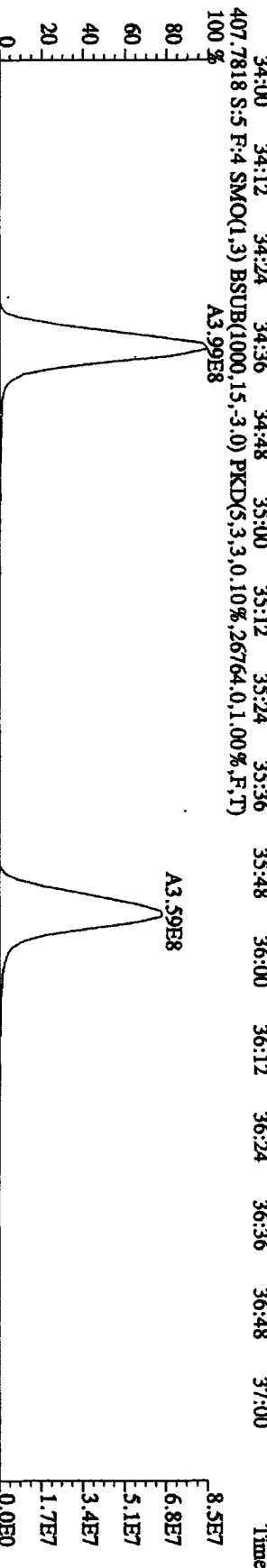
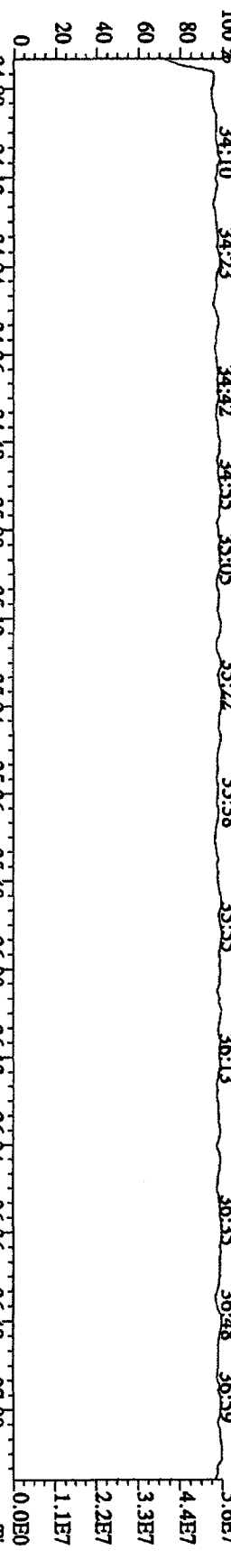
File:31DE09A1D5 #1-496 Acq: 1-JAN-2010 02:14:32 GC EI + Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS 4 09DXN426 Exp:DIOXIN
 342.9792 S.S.F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 21:48 22:30 23:15 23:54 24:28 25:12 25:44 26:05 26:30 26:53 27:39 28:22



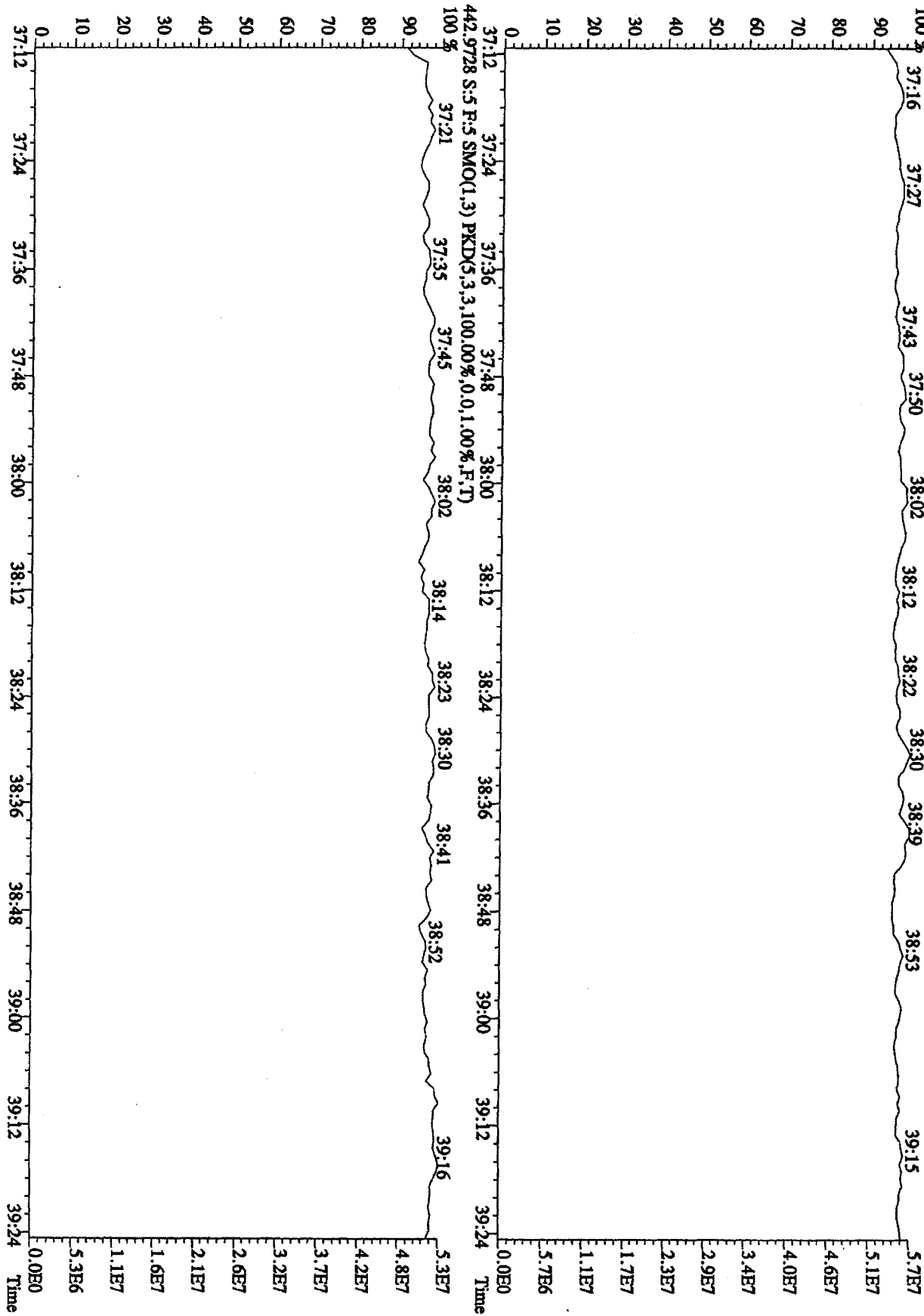
File: 31DE09A1D5 #1-361 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST1231E :CS:4 09DXN426 Exp: DIOXIN
 392.9760 S.S: F:3 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)
 392.9760 S.S: F:3 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)



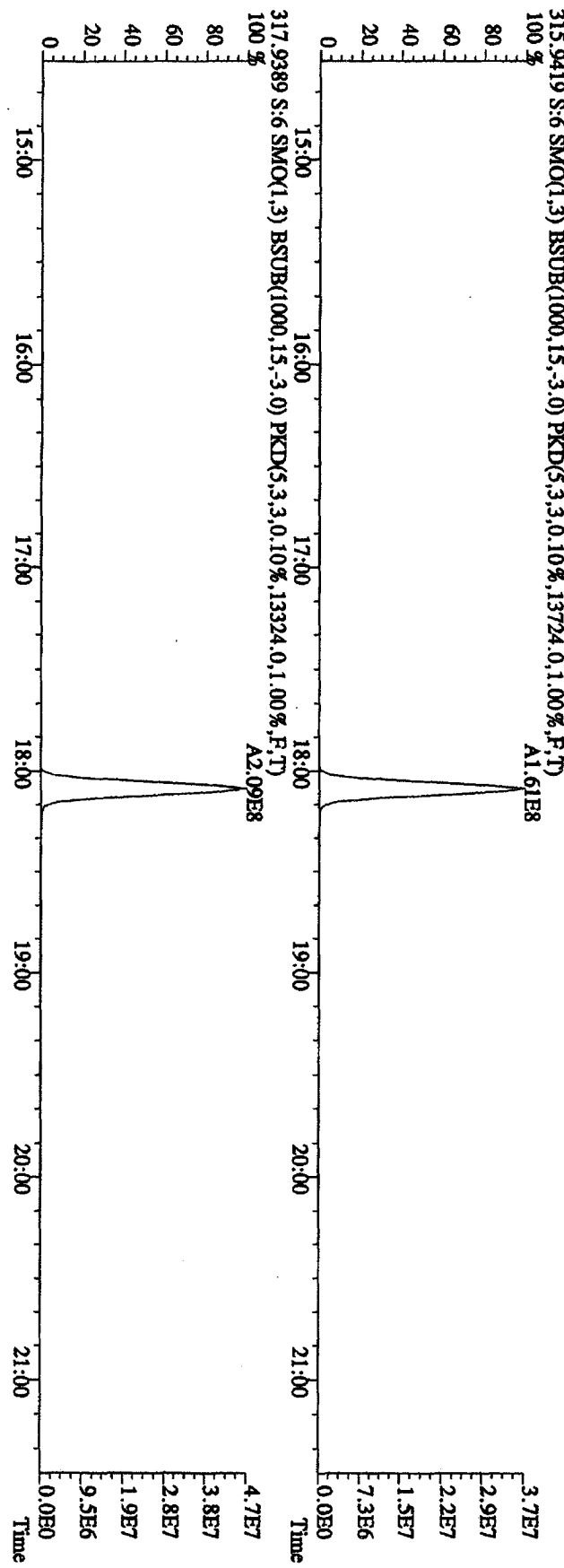
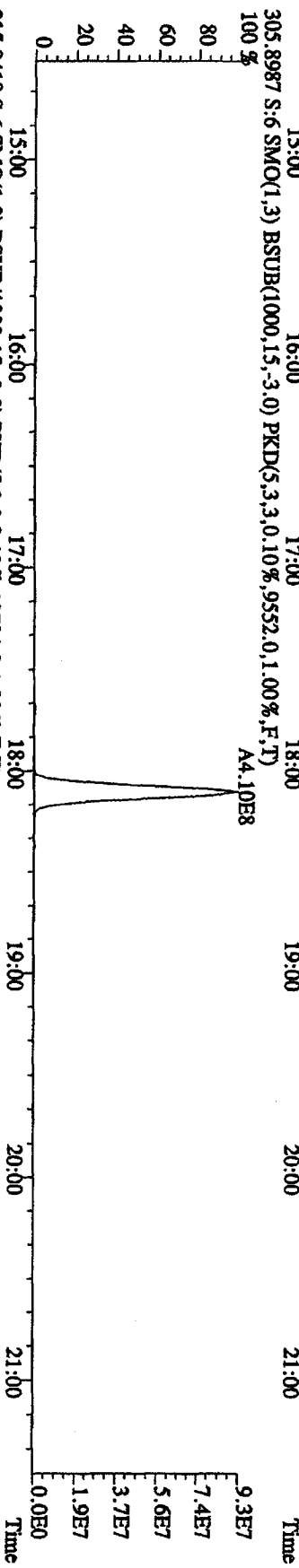
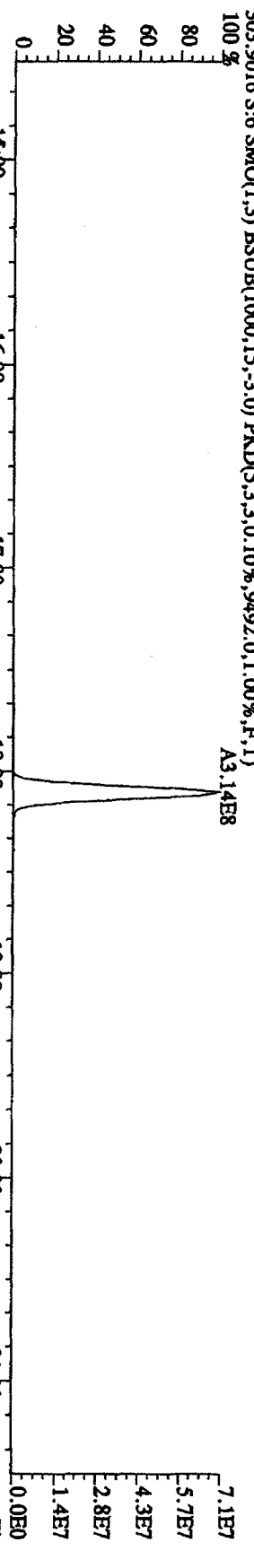
File:31DE09AID5 #1-228 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1231E :CS-4 09DXN426 Exp:DIOXIN
 430.9728 S.5 F:4 SMO(1.3) PKD(5.3,3.100,0.0%,0.0,1.00%,F,T)
 100 %



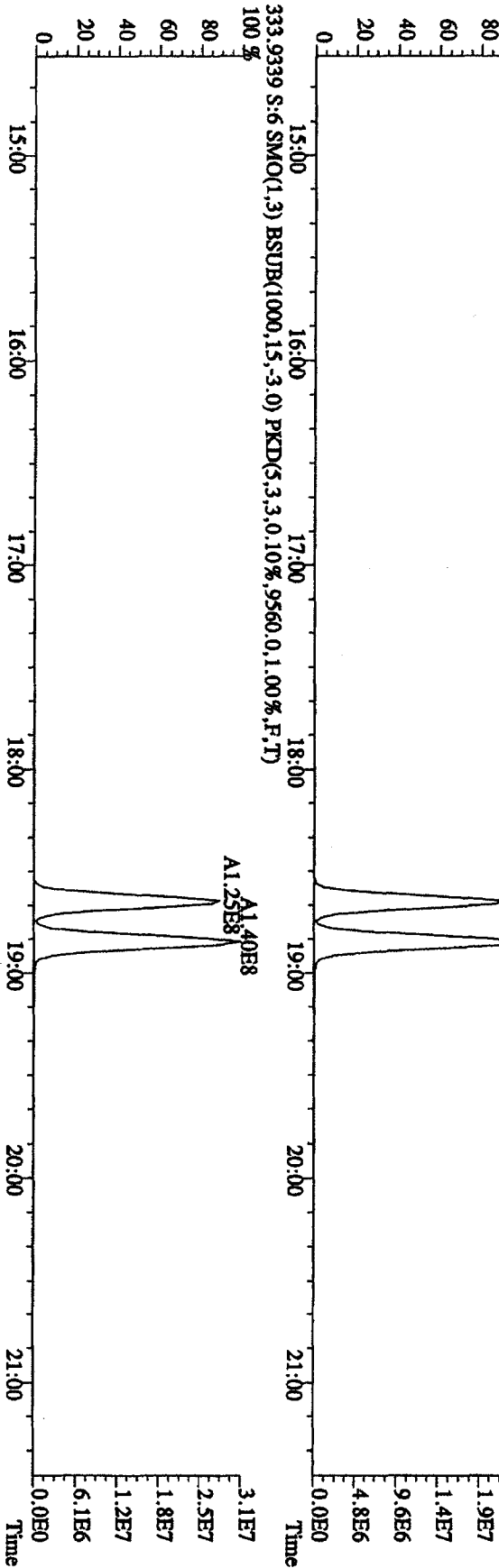
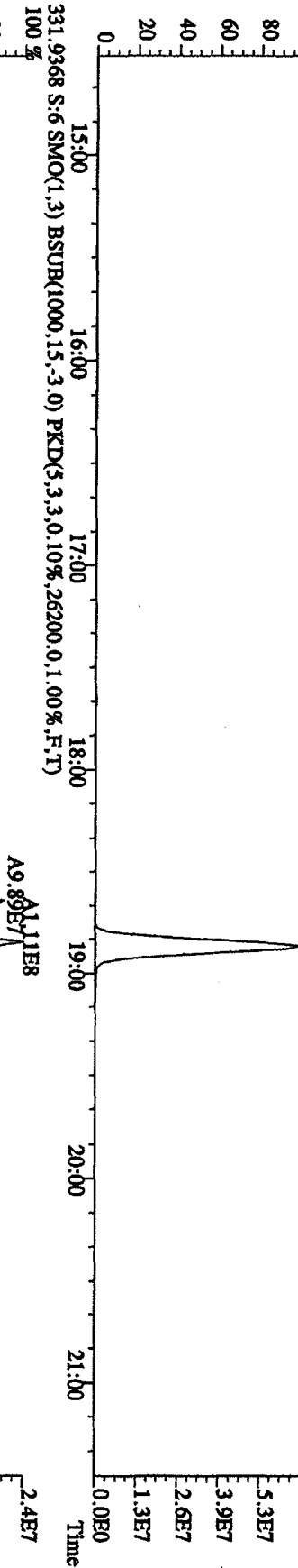
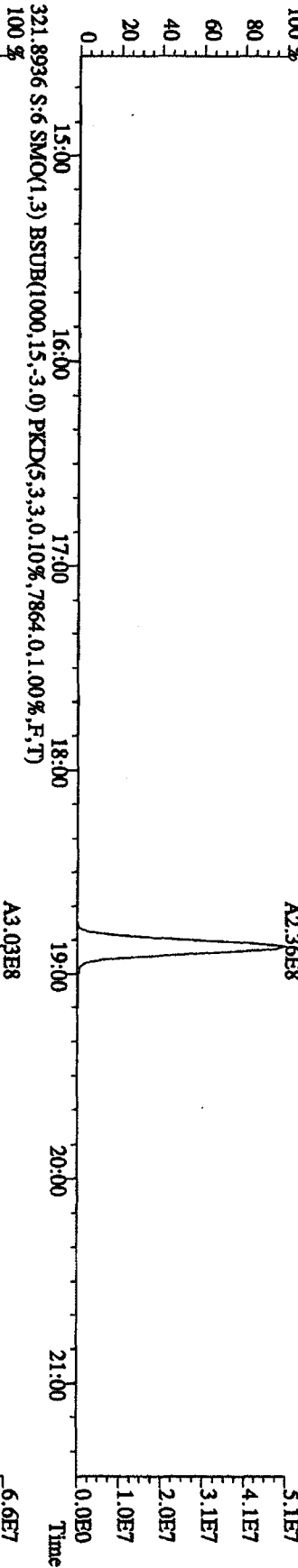
File: 31DB09A1D5 #1-161 Acq: 1-JAN-2010 02:14:32 GC EI+ Voltage SIR 70SE
 Sample#5 Text: ST1231E :CS-4 09DXN426 Exp: DIOXIN
 454.9728 S:5 F:5 SMO(1.3) PKD(5.3,3,100.00%,0.0,1.00%,F,T)



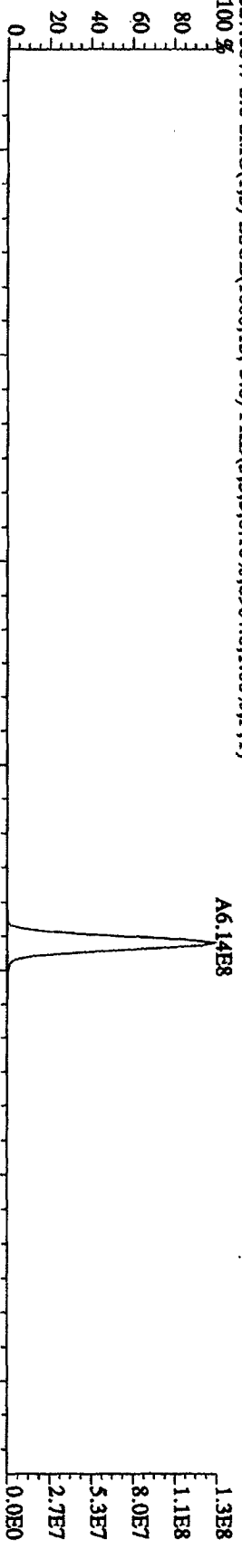
File:31DE09AIDS #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F .CS-5 09DXN456 Exp:DIOXIN



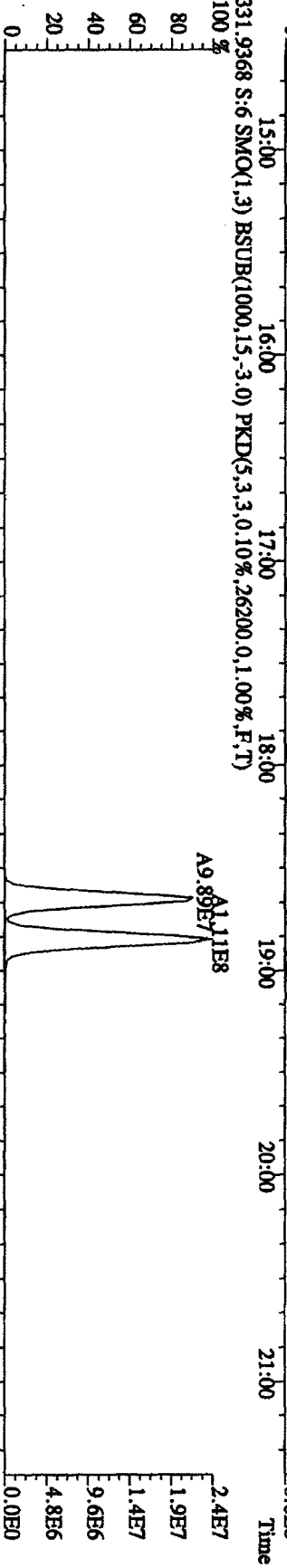
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 319.8965 S:6 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8180,0,1.00%,F,T)



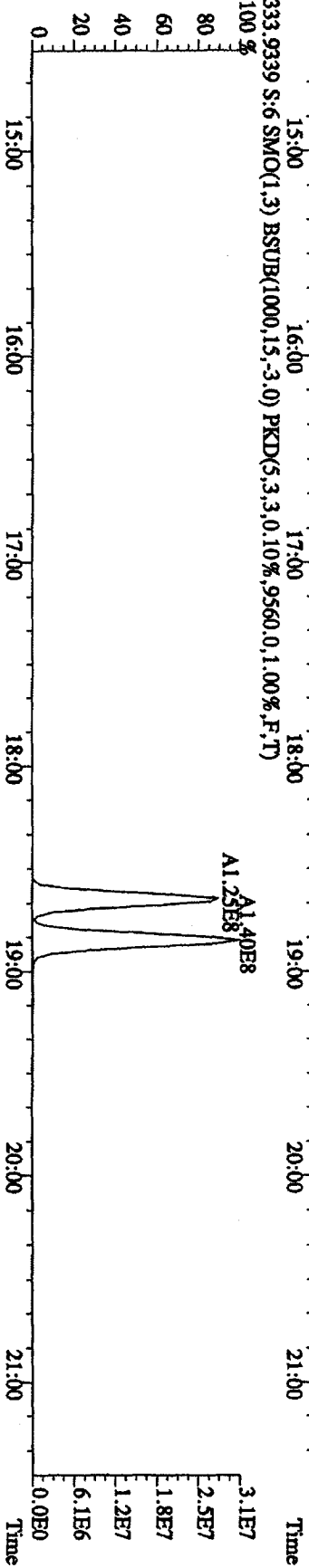
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 327.8847 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8964,0.1,00%,F,T)
 100 %



331.9368 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,26200,0.1,00%,F,T)
 100 %



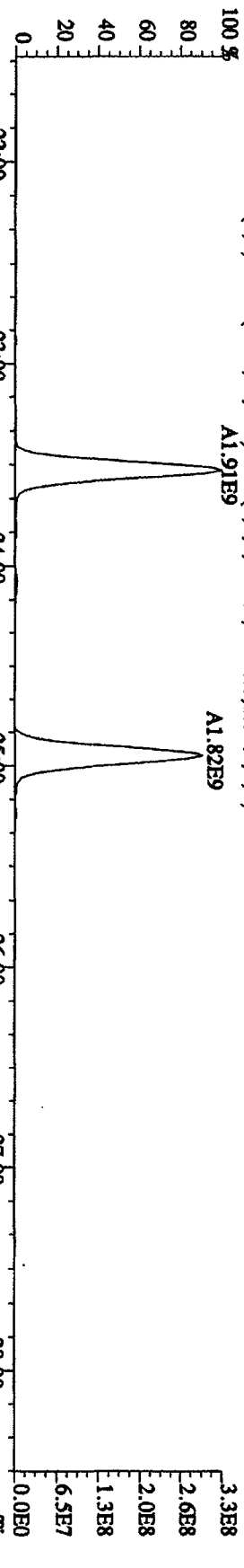
333.9339 S:6 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,9560,0.1,00%,F,T)
 100 %



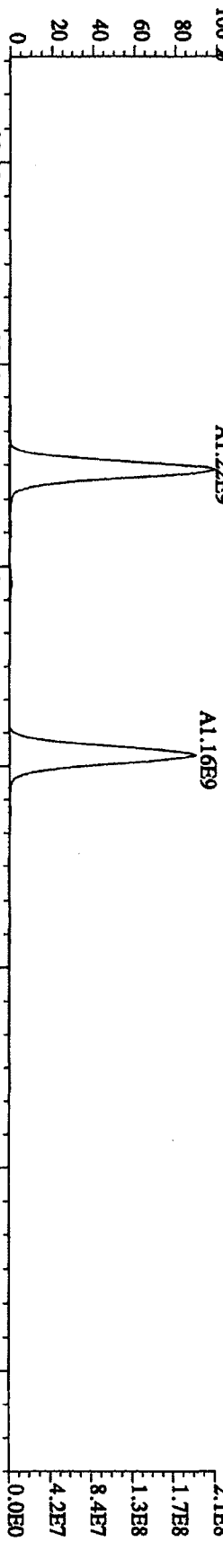
File: 31DE09AID5 #1.495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Exp: DIOXIN

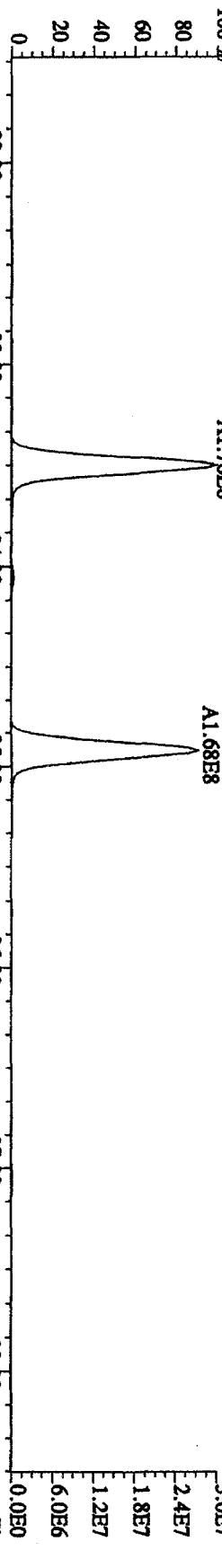
Sample#6 Text: ST1231F :CS-5 09DXN456
339.8597 S:6 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,21616,0,1,00%,F,T)



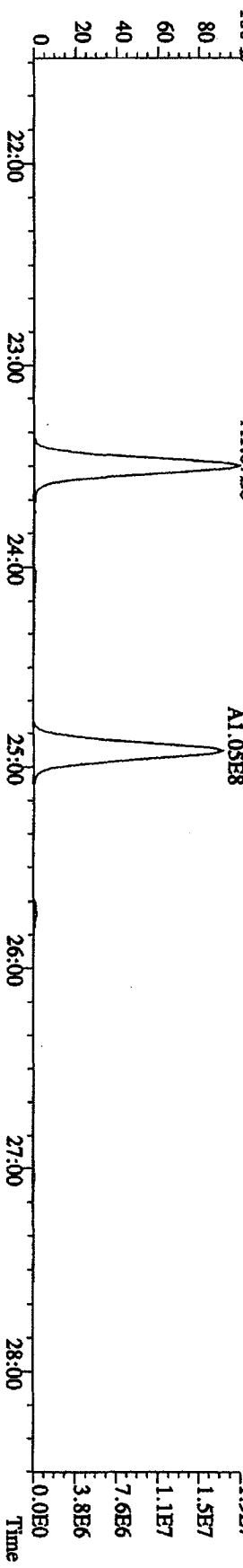
341.8567 S:6 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,11104,0,1,00%,F,T)



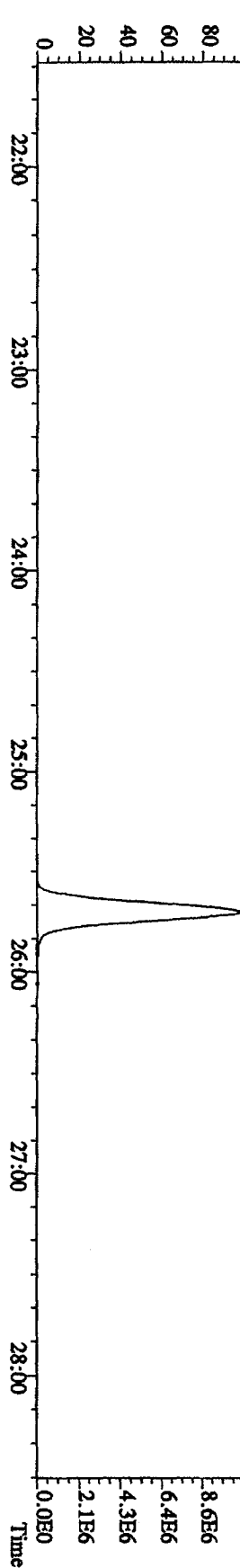
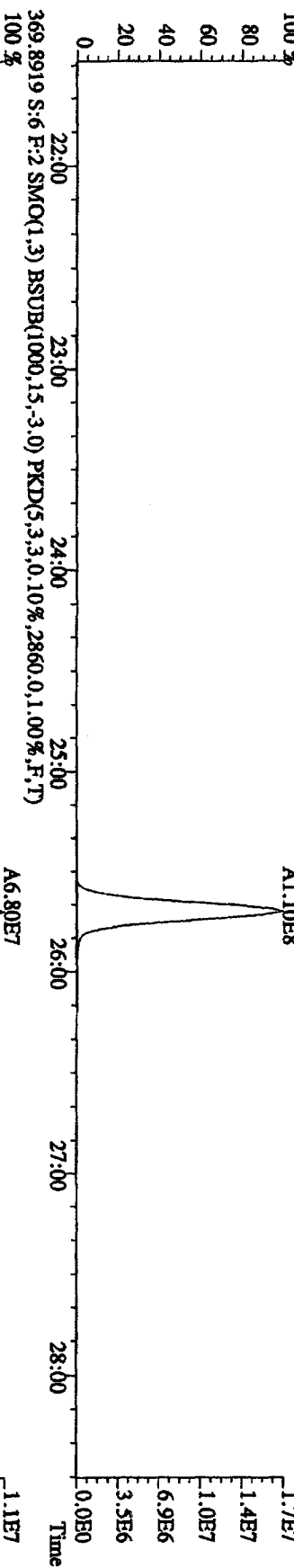
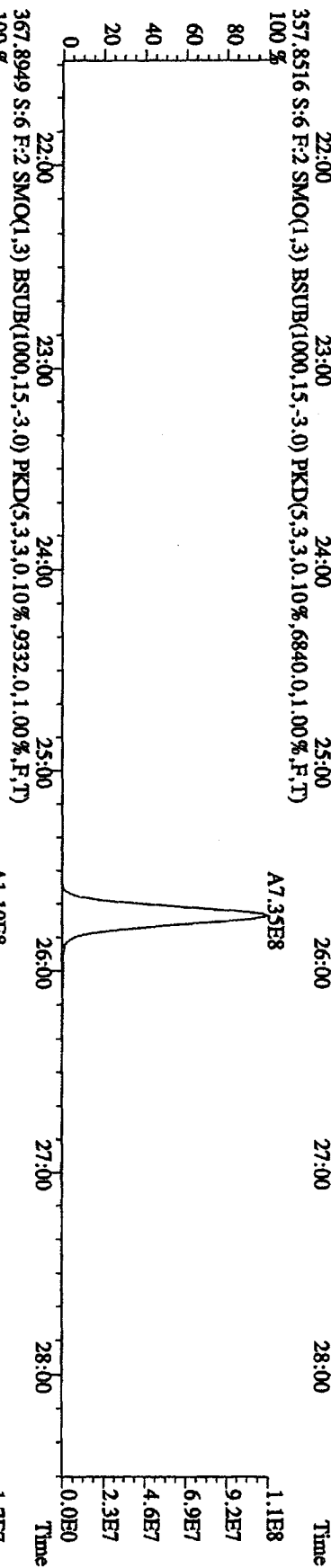
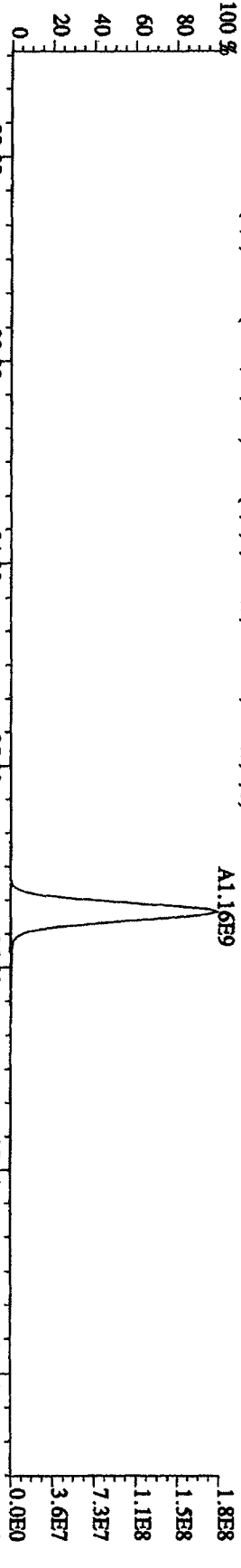
351.9000 S:6 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,5164,0,1,00%,F,T)



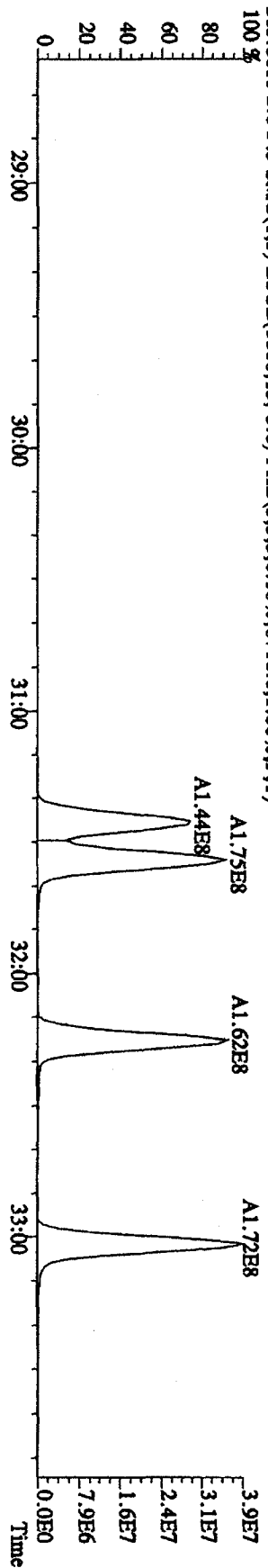
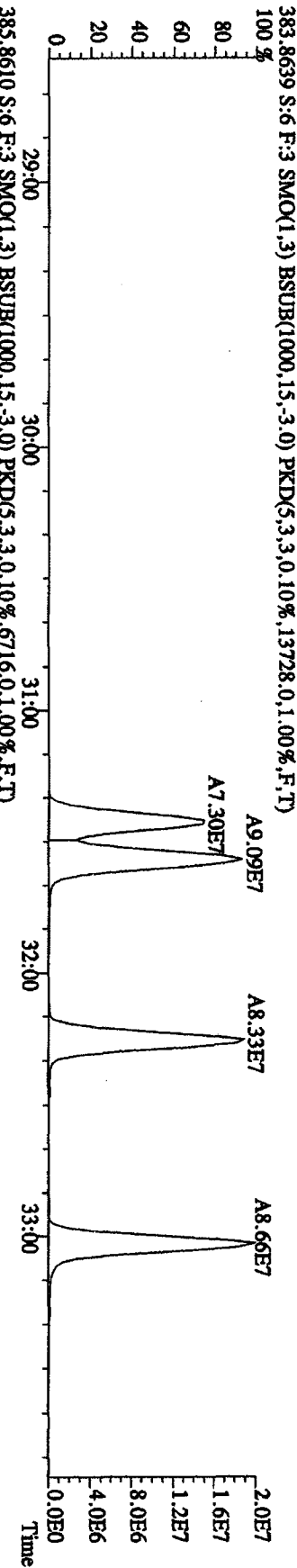
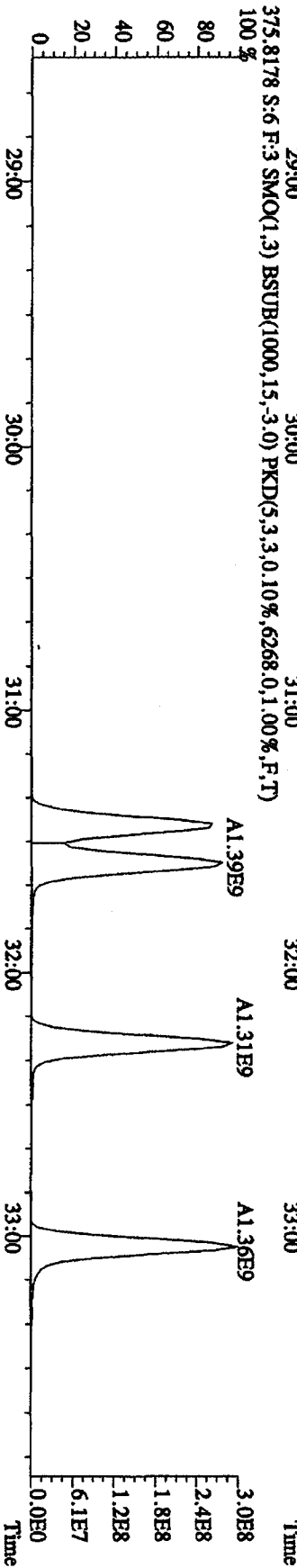
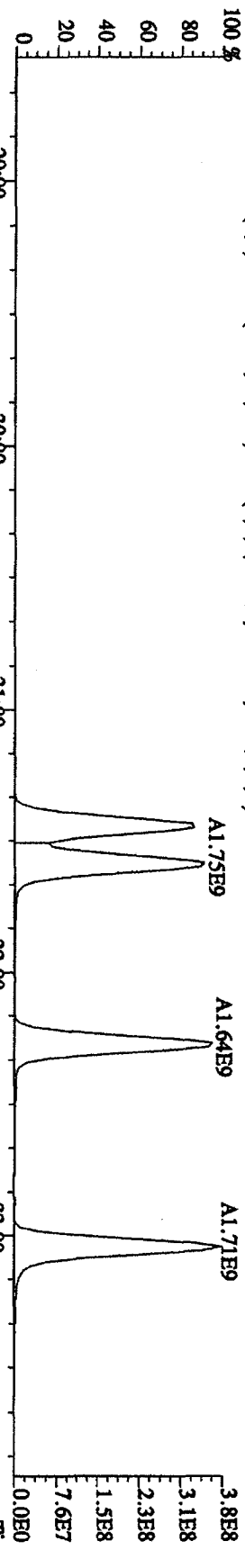
353.8970 S:6 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,8524,0,1,00%,F,T)



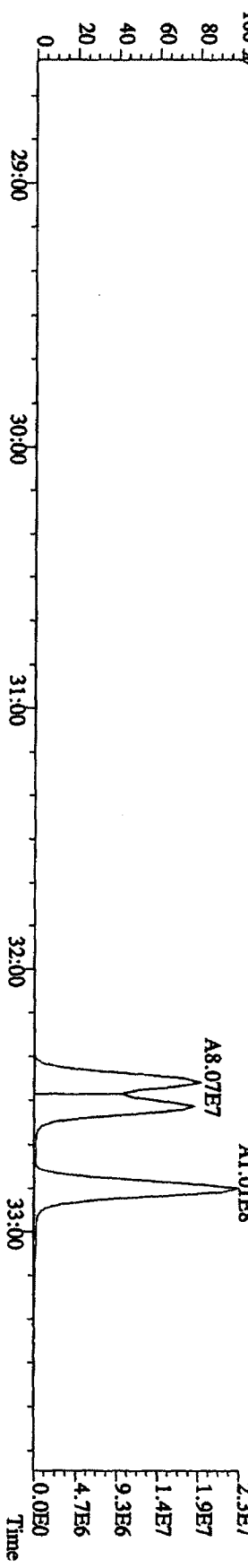
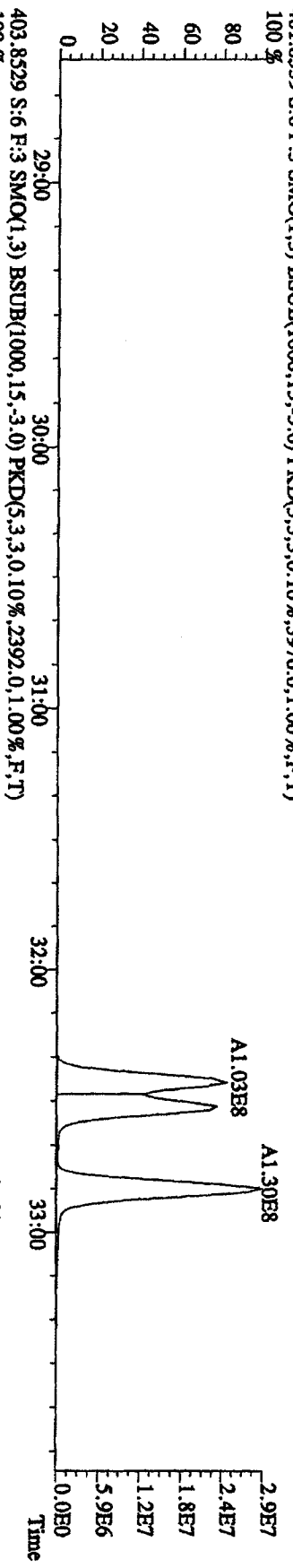
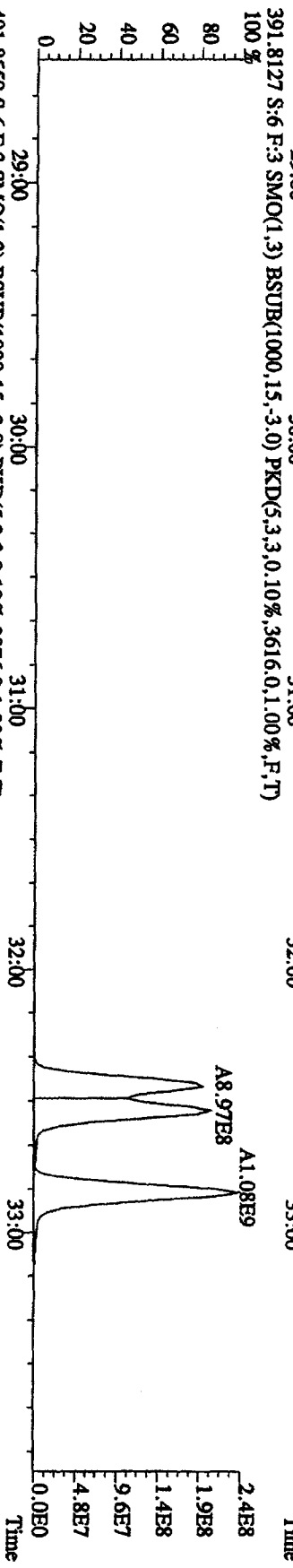
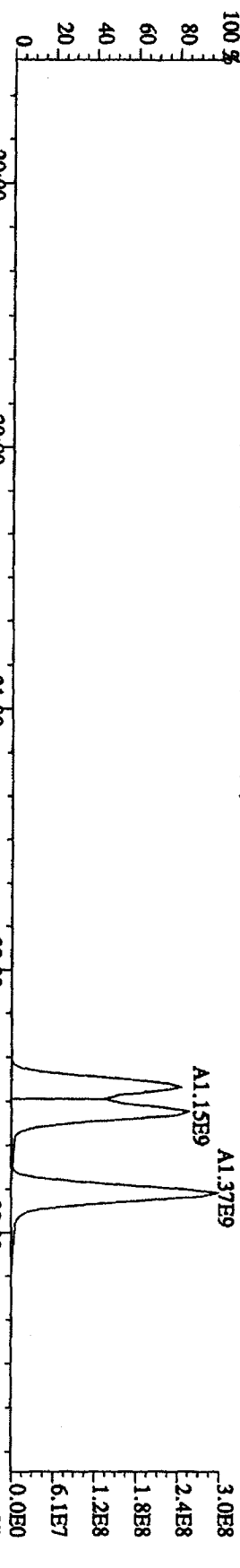
File:31DE09A1ID5 #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage:5IR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 357.8546 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,11264,0,1,00%,F,T)



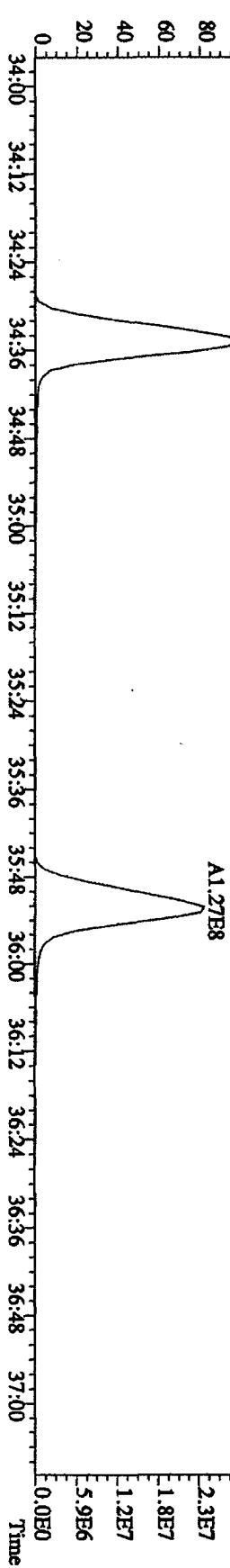
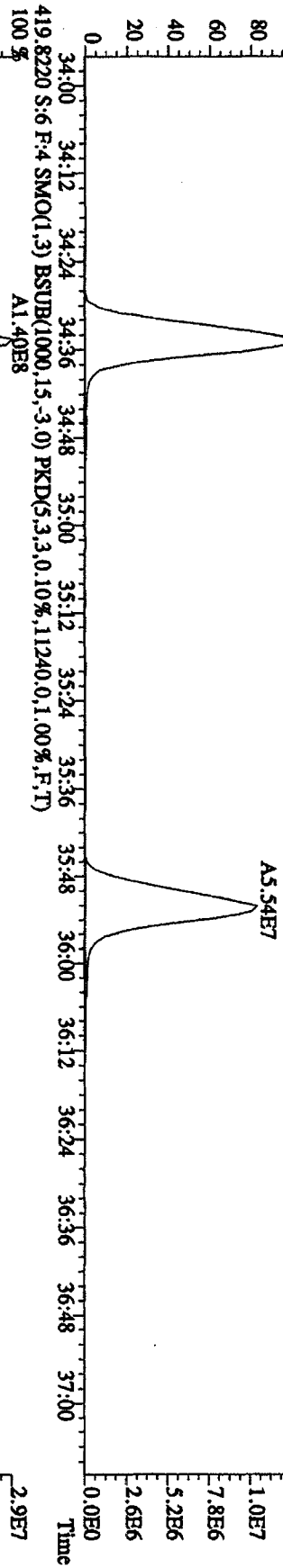
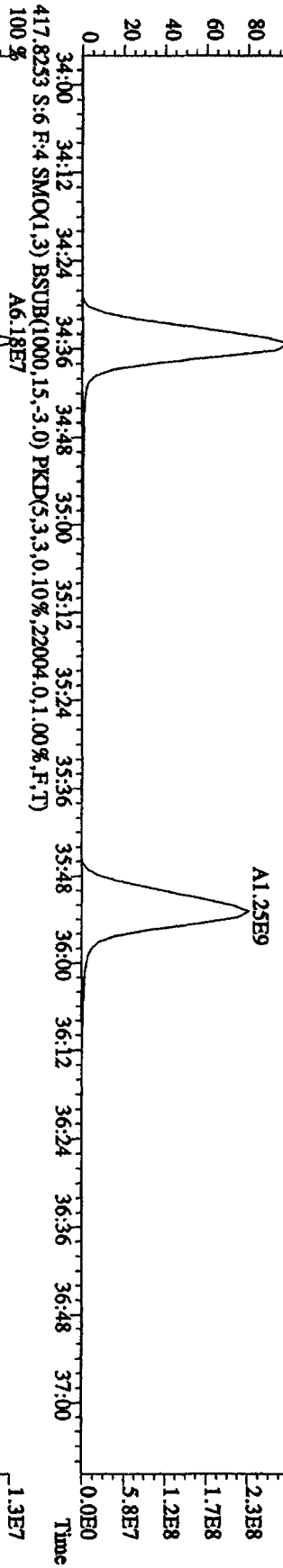
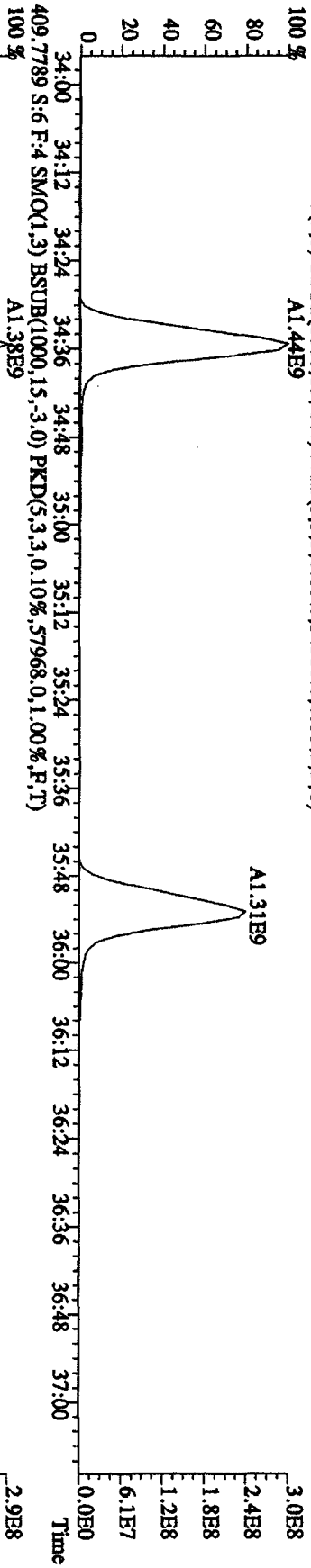
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,11080,0,1,00%,F,T)



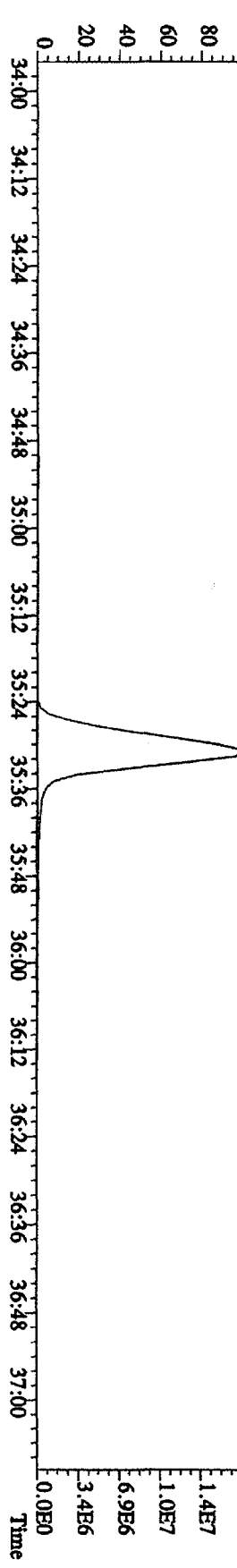
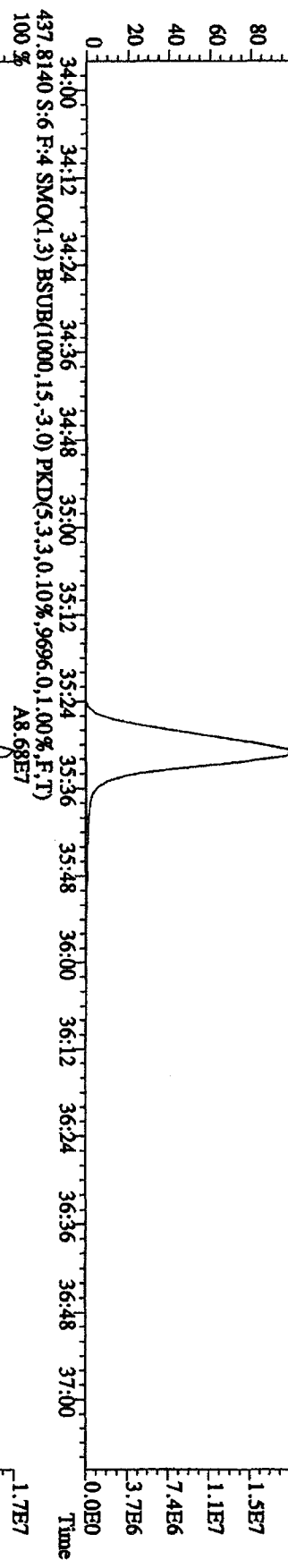
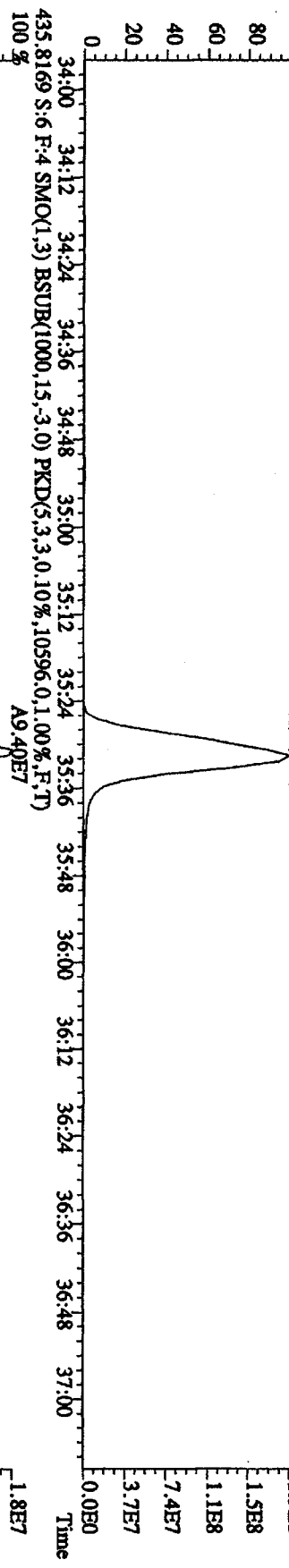
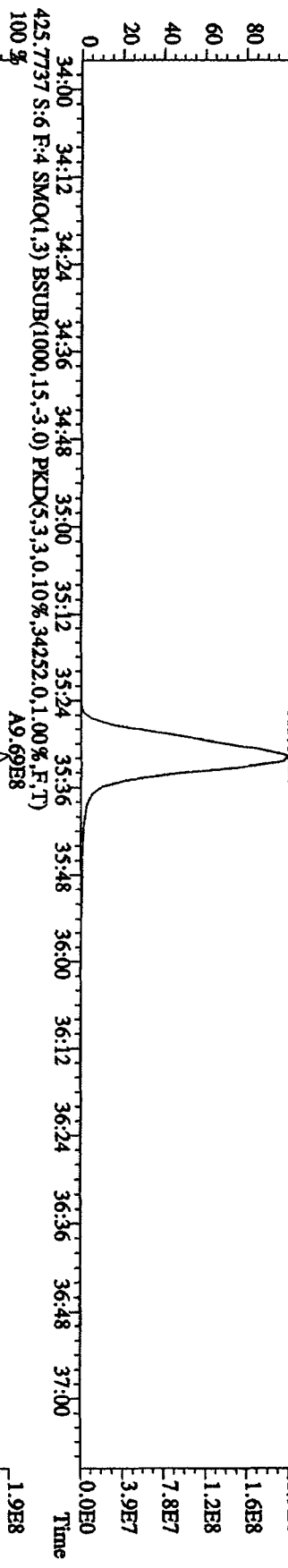
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 389.8157 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3000,0,1.00%,F,T)



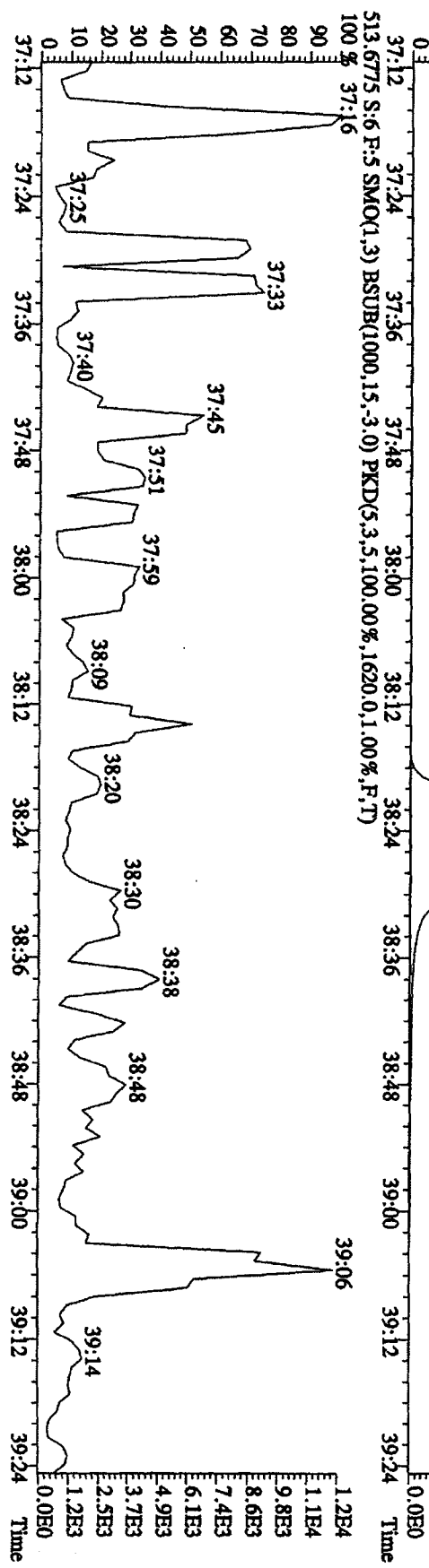
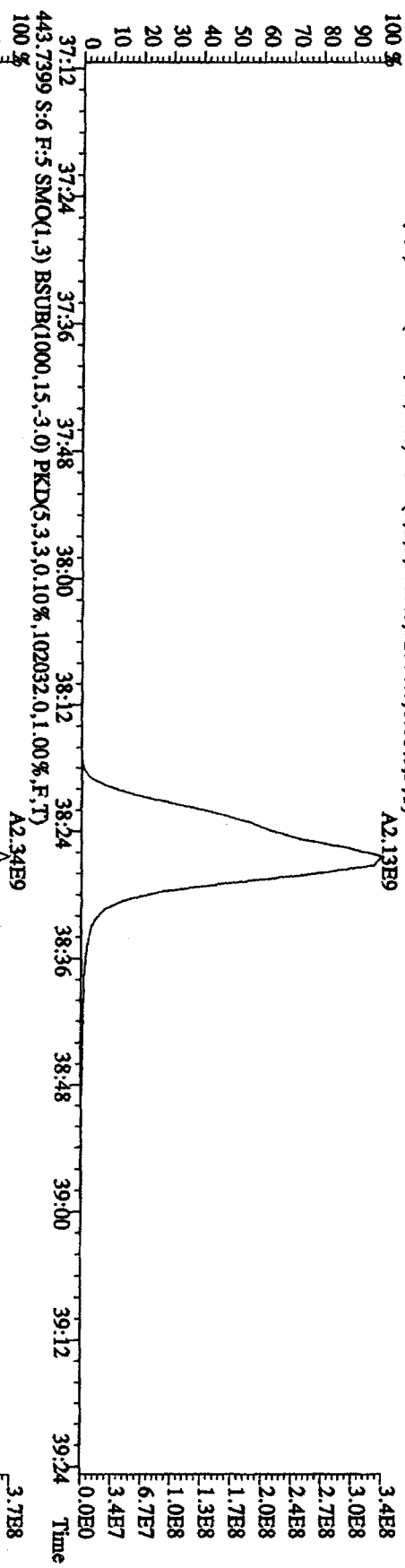
File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SRR 70SE
 Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,34380,0,1.00%,F,T)
 100 %



File:31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Test:ST1231F :CS-5 09DXN456 Exp:DIOXIN
 423.7766 S:6 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.38388,0,1,00%,F,T)
 100% A1.02E9



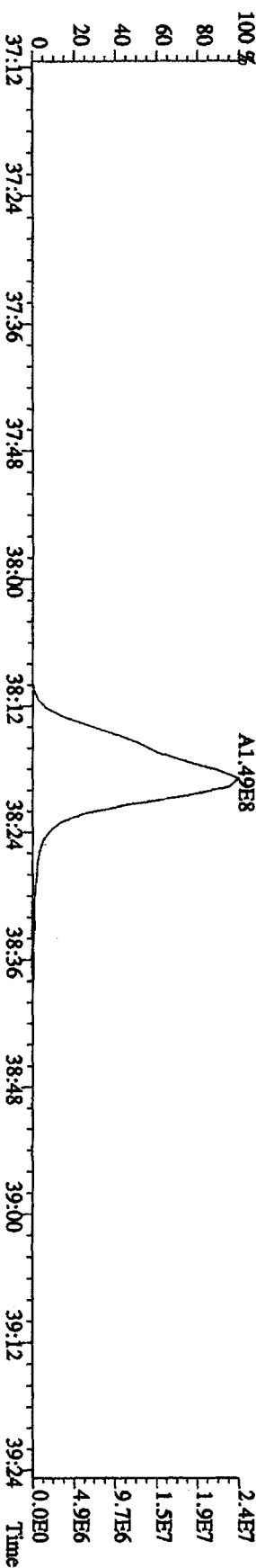
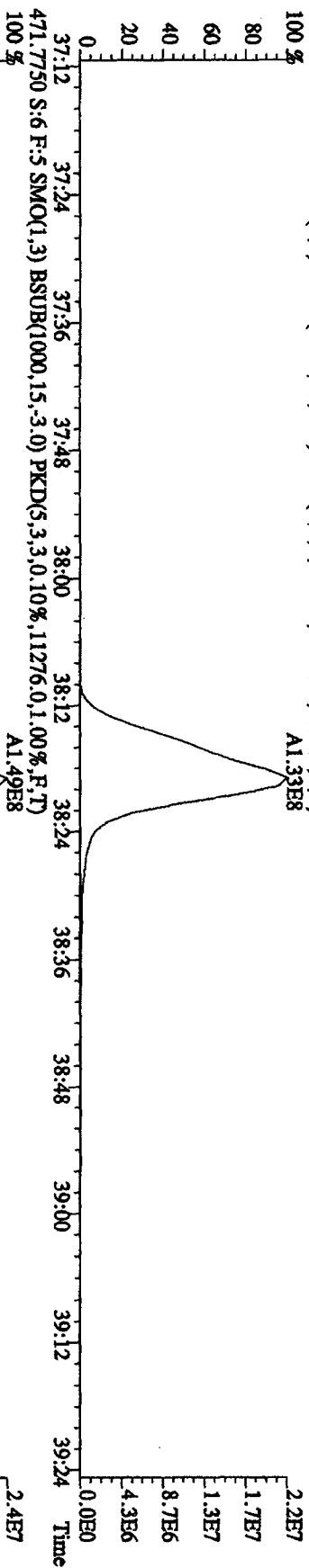
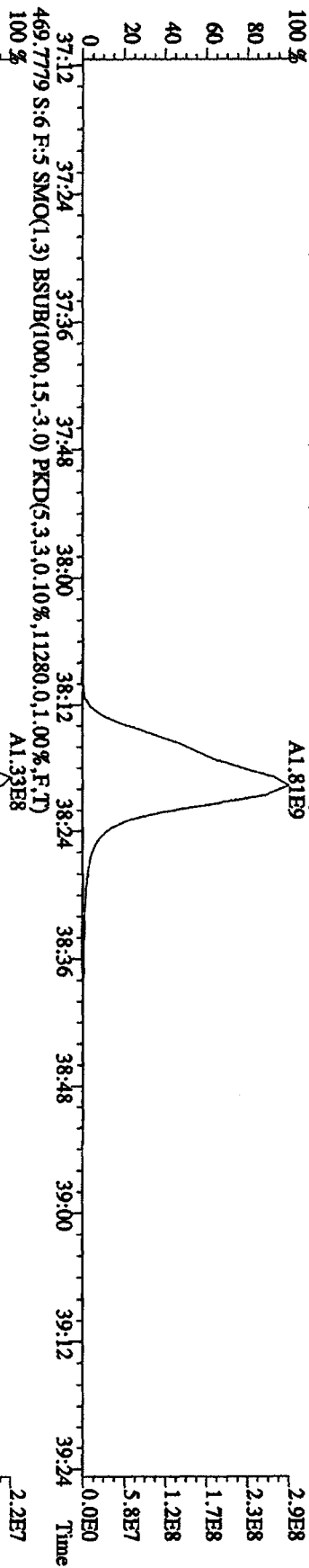
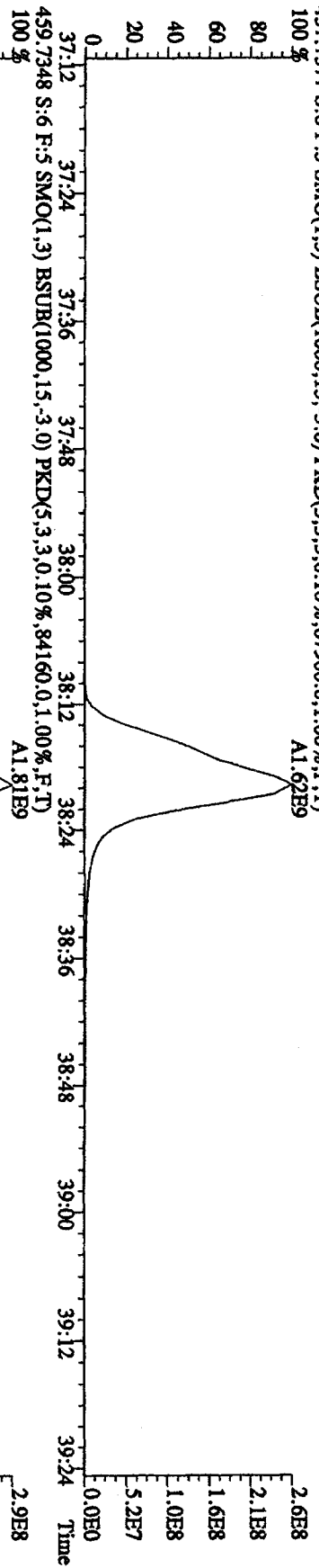
File: 31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI + Voltage SIR 70SE
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN
 441.7428 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,72084,0,1,00%,F,T)



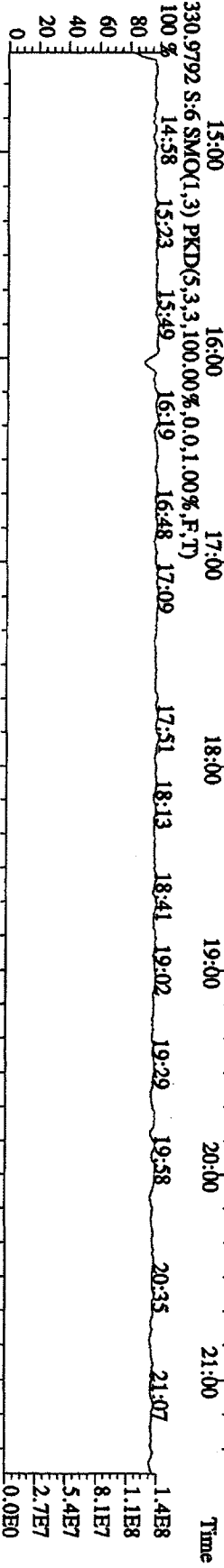
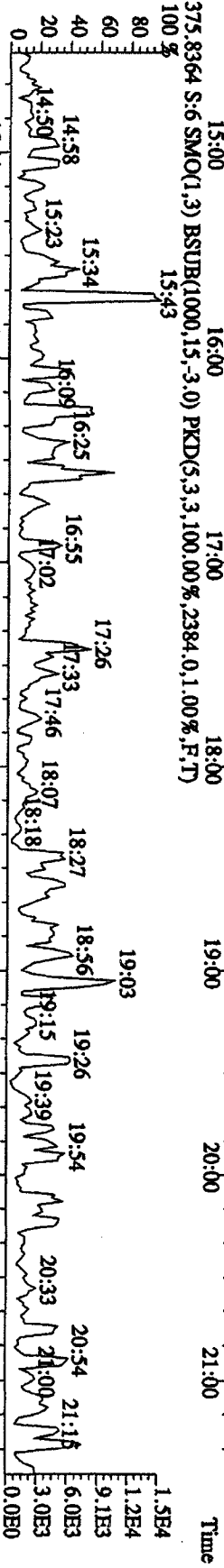
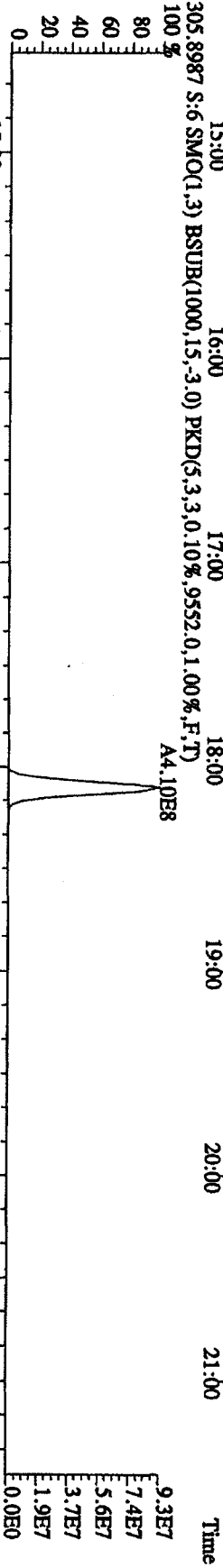
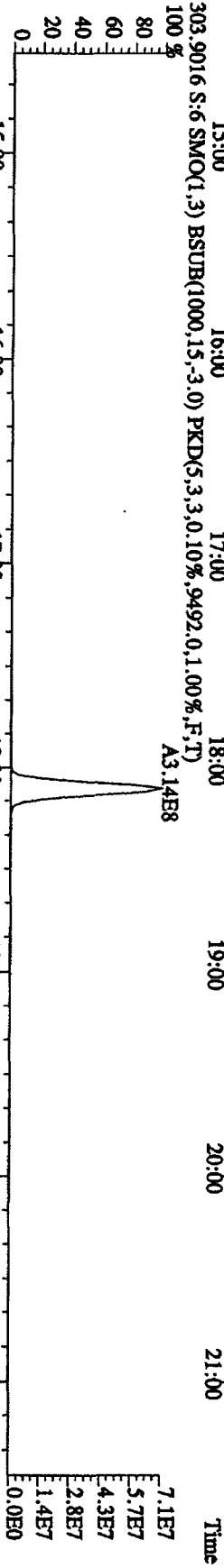
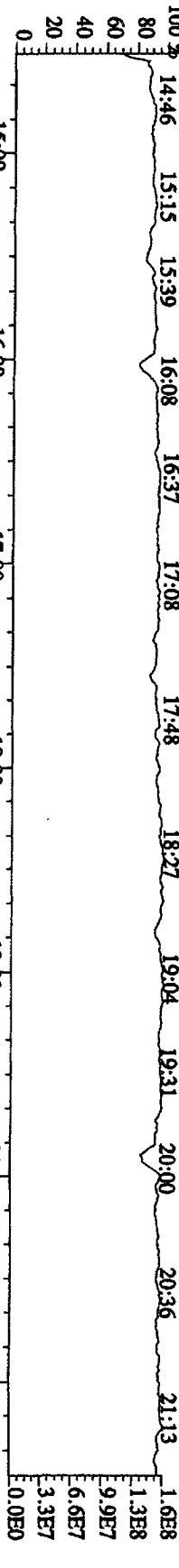
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

457.7377 S:6 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,67900,0.1,00%,F,T)
100 % A1.62E9



File: 31DE09A1D5 #1-411 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN
 292.9825 S:6 SMO(1,3) PKD(5,3,5,100,00%,0,0,1,00%,F,T)
 100% 14:46 15:15 15:39 16:08 16:37 17:08 17:48 18:27 19:04 19:31 20:00 20:36 21:13

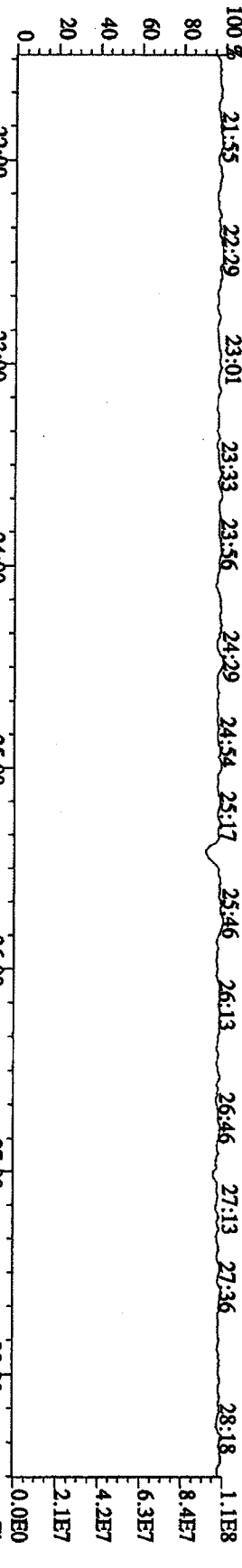


File:31DE09A1IDS #1-495 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE

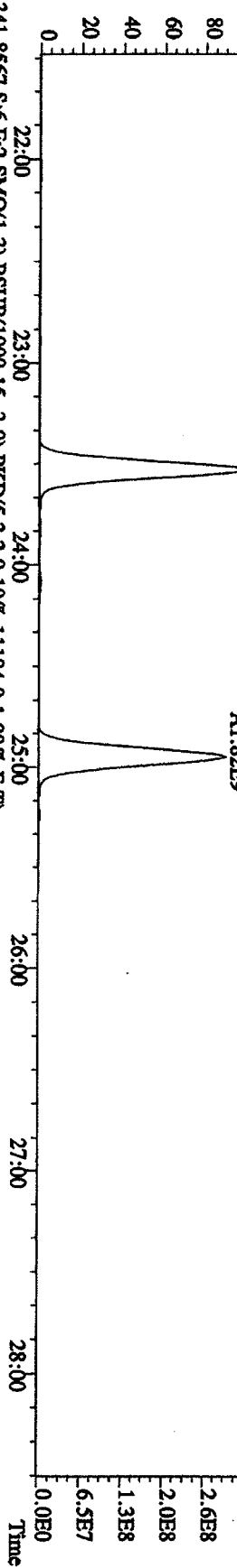
Sample#6 Text:ST1231F :CS-5 09DXN456 Exp:DIOXIN

342.9792 S:6 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

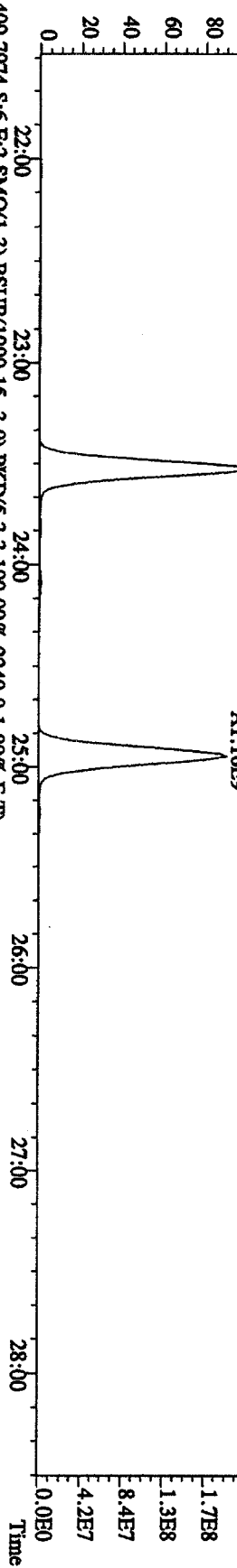
100 % 21:55 22:29 23:01 23:33 23:56 24:29 24:54 25:17 25:46 26:13 26:46 27:13 27:36 28:18



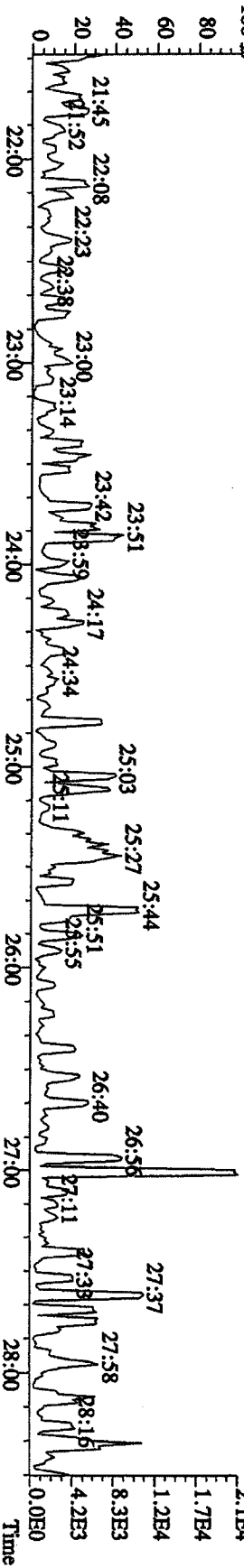
339.8597 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,21616,0,1.00%,F,T)



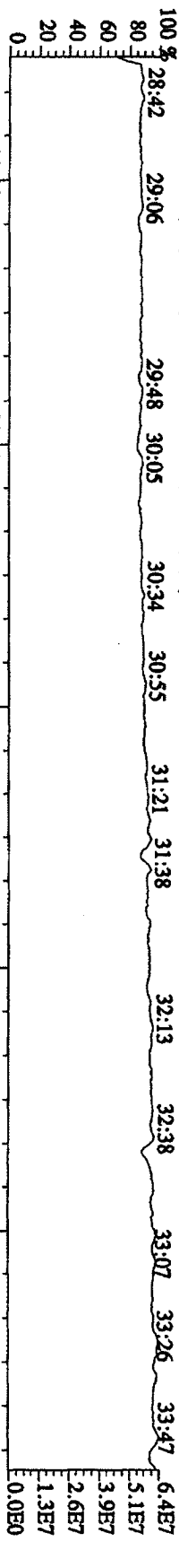
341.8567 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,11104,0,1.00%,F,T)



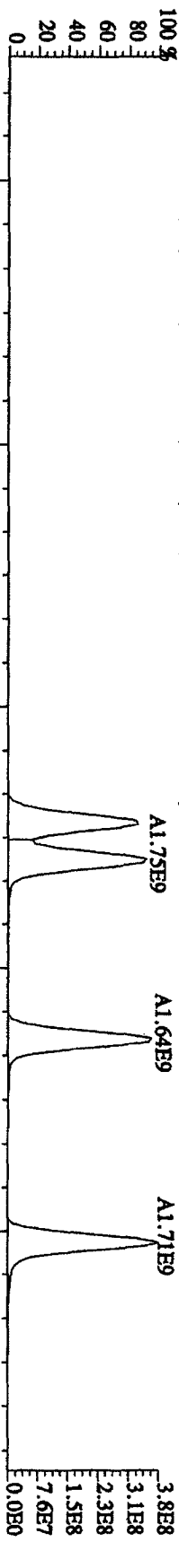
409.7974 S:6 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2240,0,1.00%,F,T)



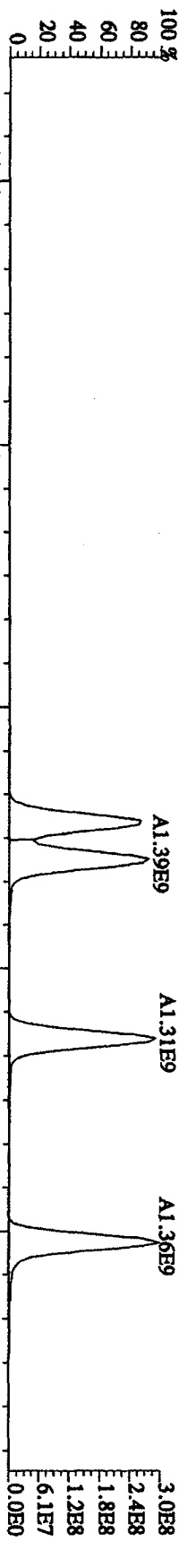
File: 31DE09A1D5 #1-362 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN
 392.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 28:42 29:06 29:48 30:05 30:34 30:55 31:21 31:38 32:13 32:38 33:07 33:26 33:47 6.4E7



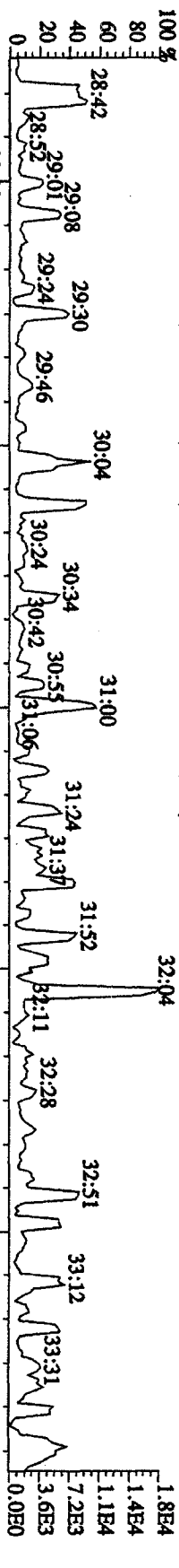
373.8208 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11080,0,1.00%,F,T)



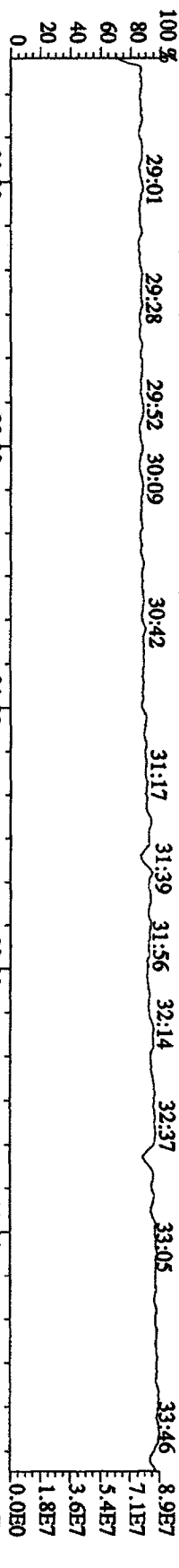
375.8178 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6268,0,1.00%,F,T)



445.7555 S:6 F:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,100.00%,1868,0,1.00%,F,T)

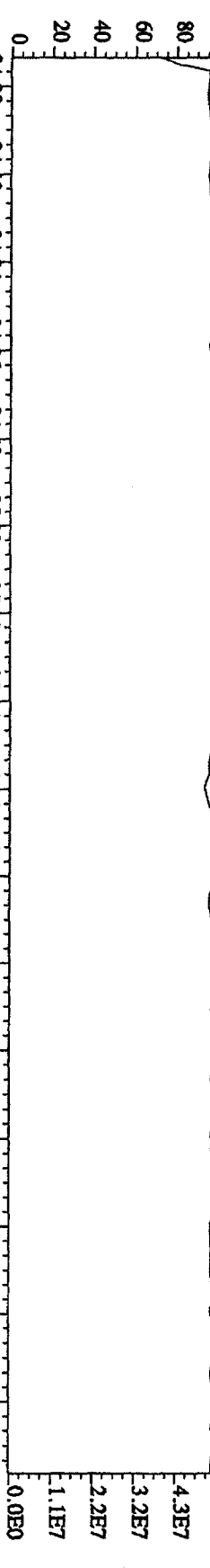


380.9760 S:6 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)

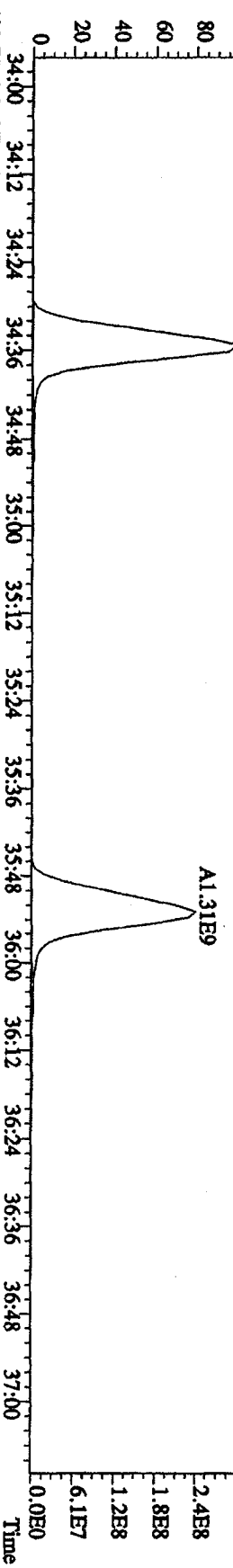


File: 31DE09A1D5 #1-228 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN

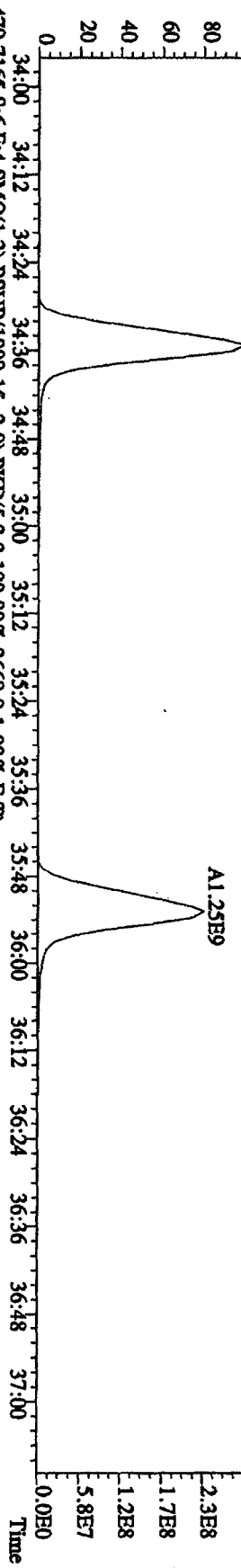
430.9728 S:6 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



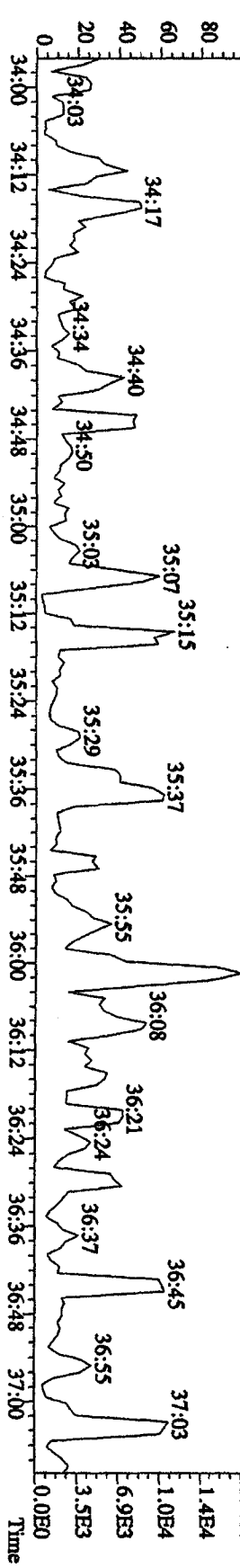
407.7818 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,34380,0,1,00%,F,T)



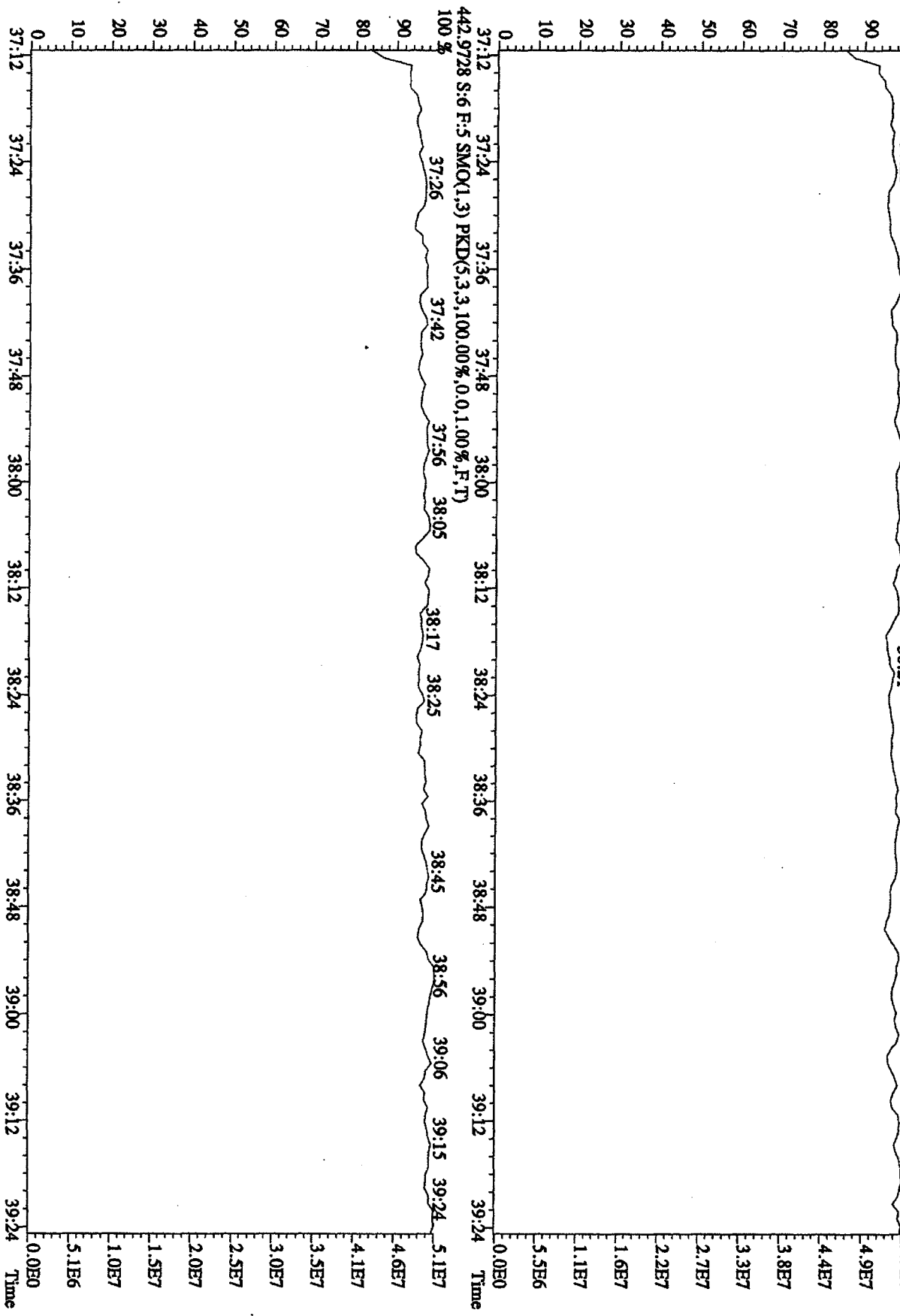
409.7789 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,57968,0,1,00%,F,T)



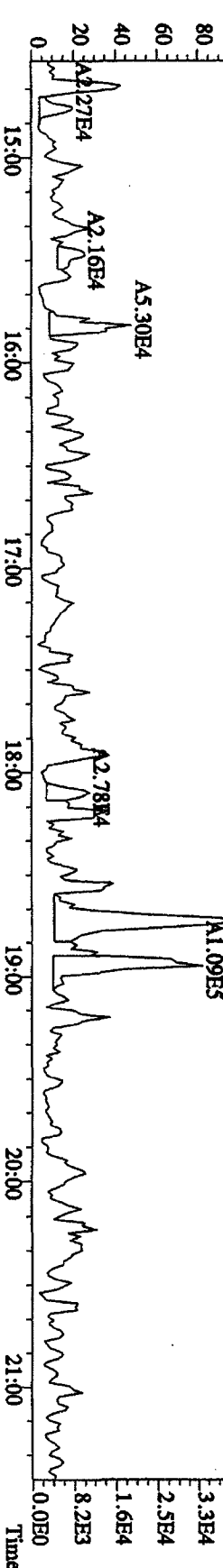
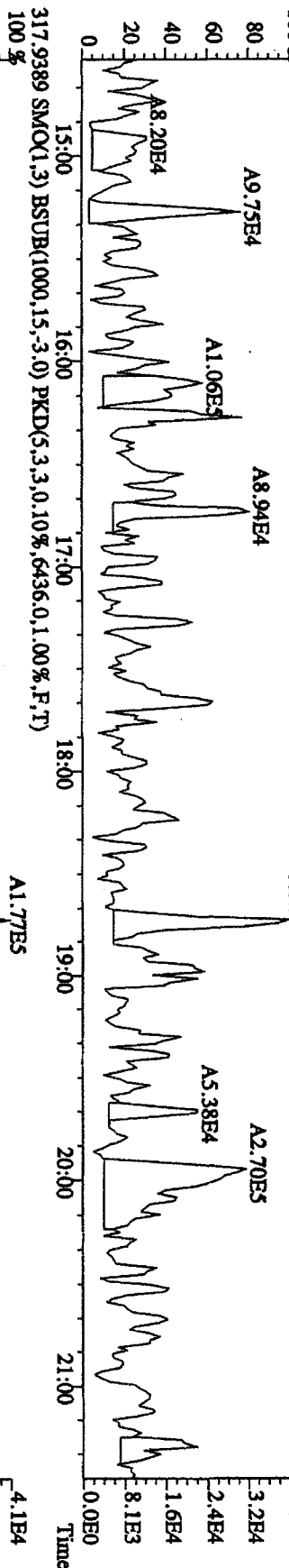
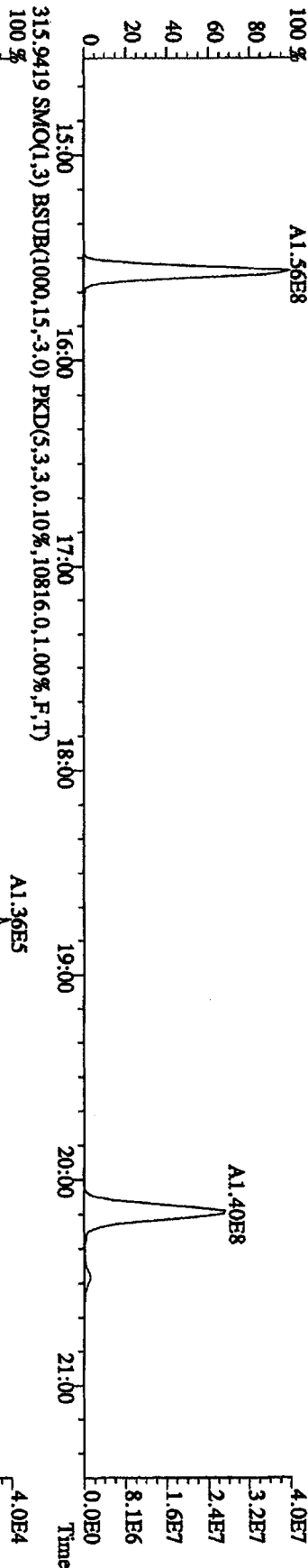
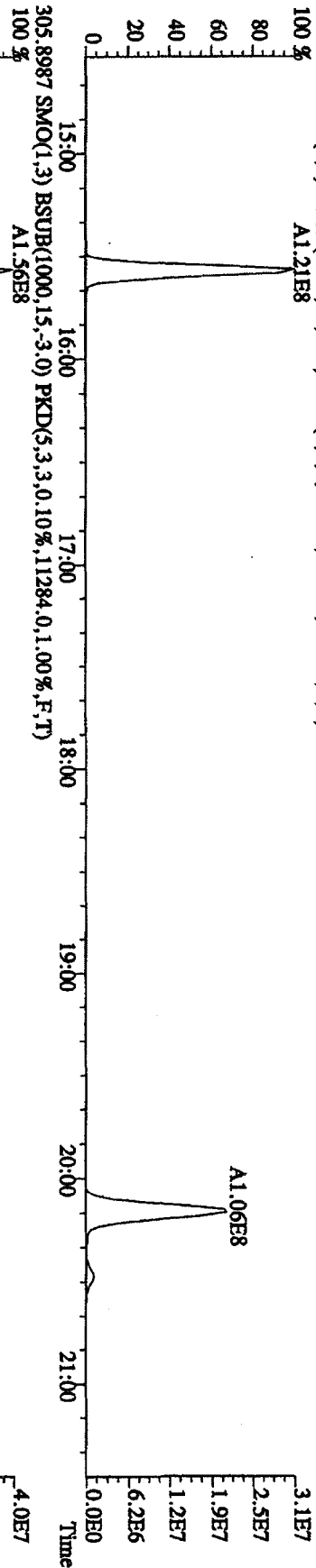
479.7165 S:6 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2668,0,1,00%,F,T)



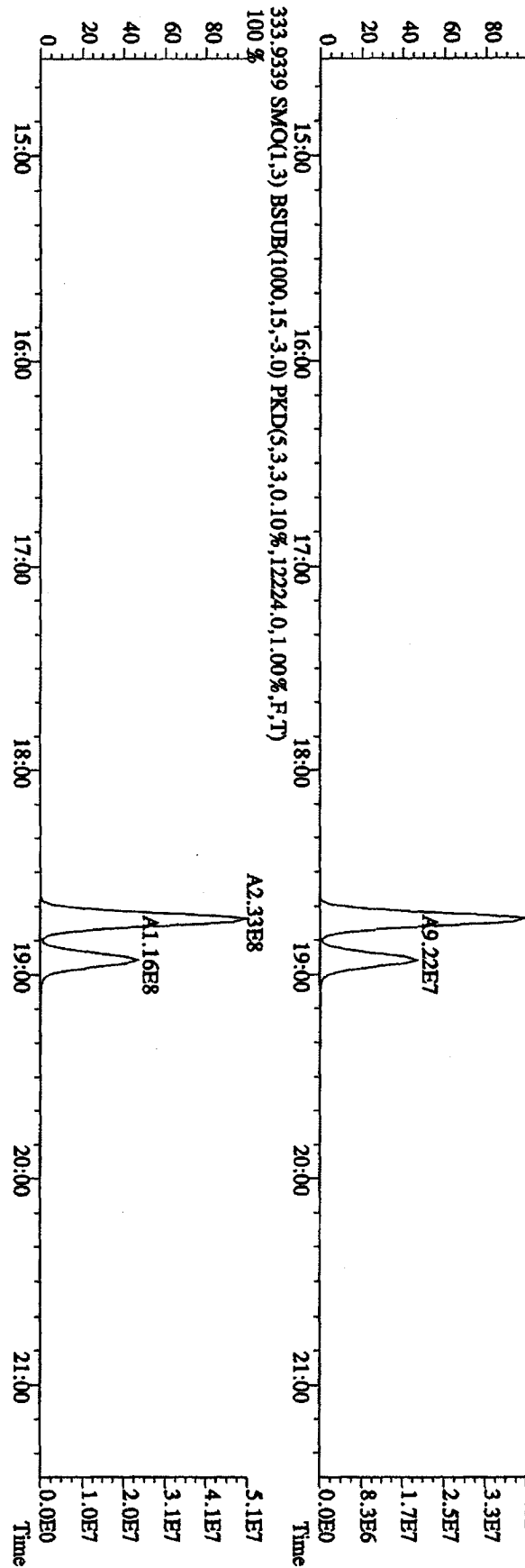
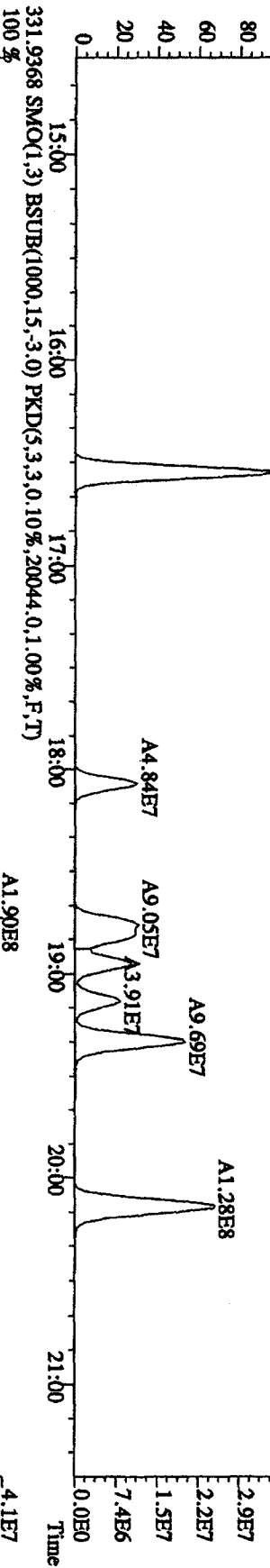
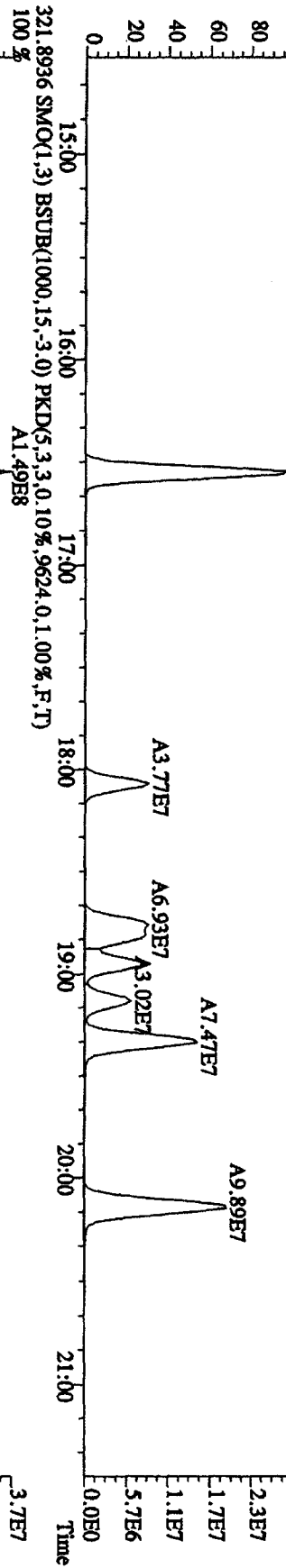
File: 31DE09A1D5 #1-161 Acq: 1-JAN-2010 02:56:20 GC EI+ Voltage SIR 70SE
 Sample#6 Text: ST1231F :CS-5 09DXN456 Exp: DIOXIN
 454.9728 S:6 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100% 37:25 37:38 37:56 38:09 38:21 38:38 38:54 39:02 39:19



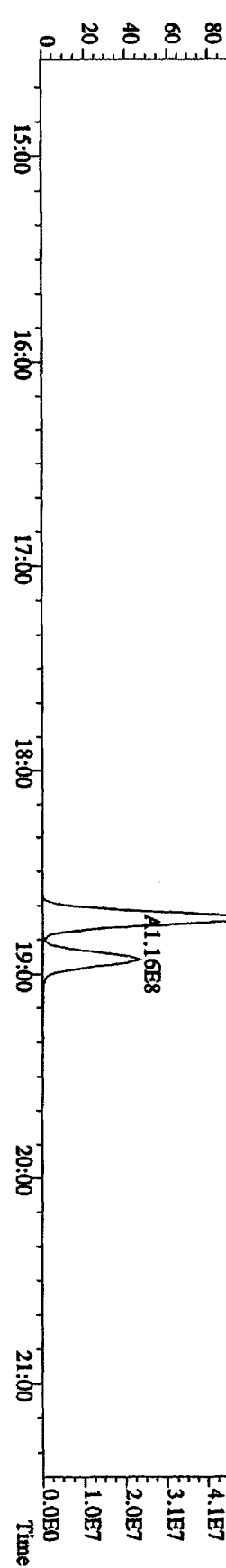
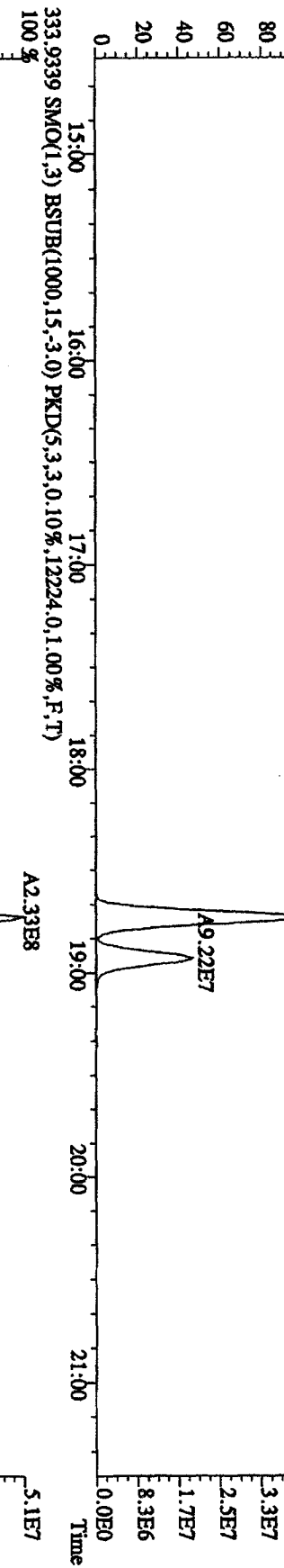
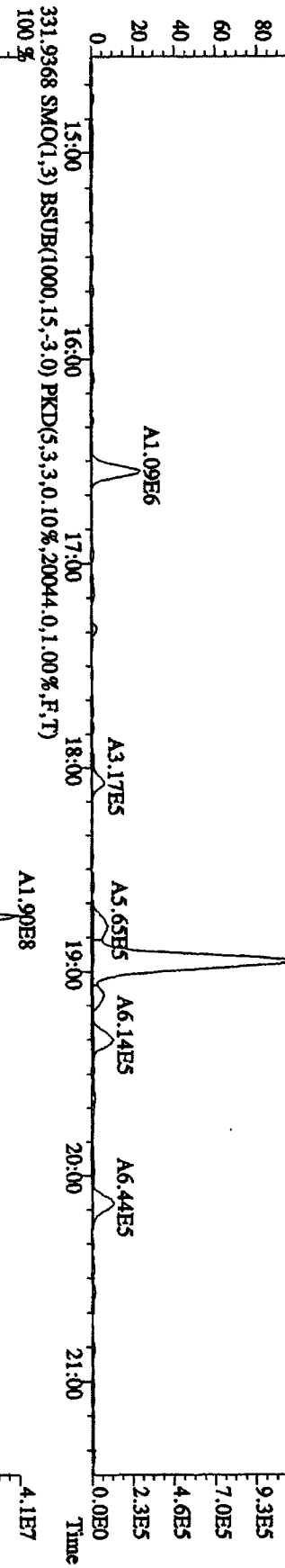
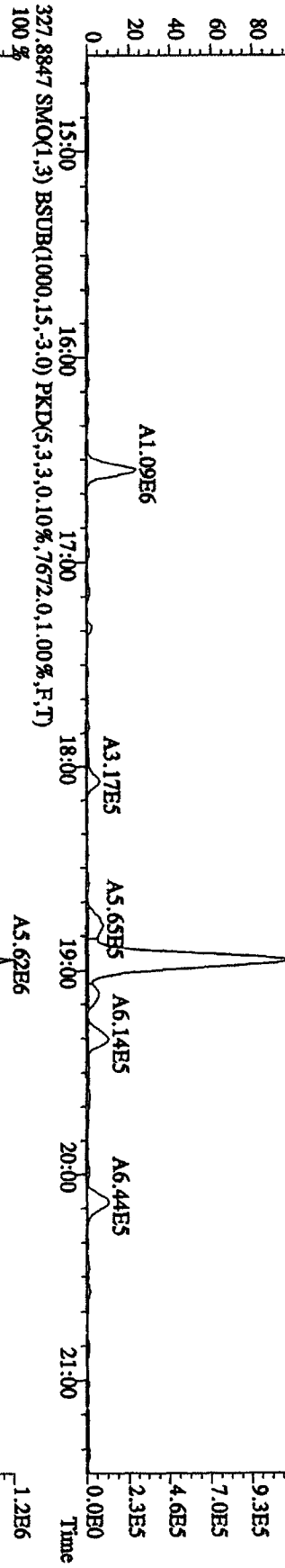
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 303.9016 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,7492.0,1.00%,F,T)
 100 % A1.21E8



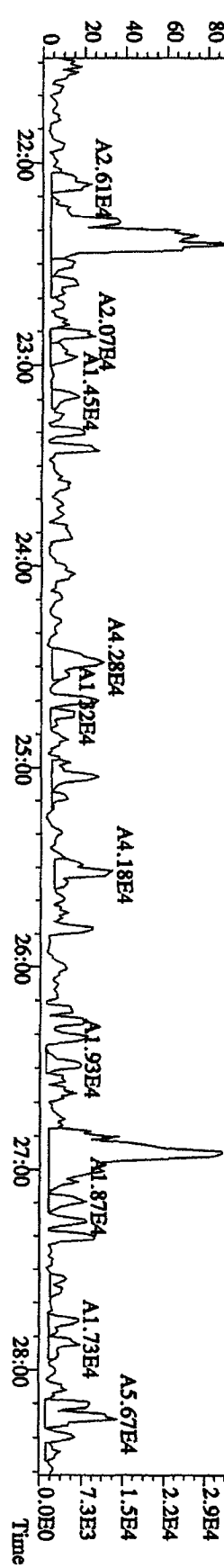
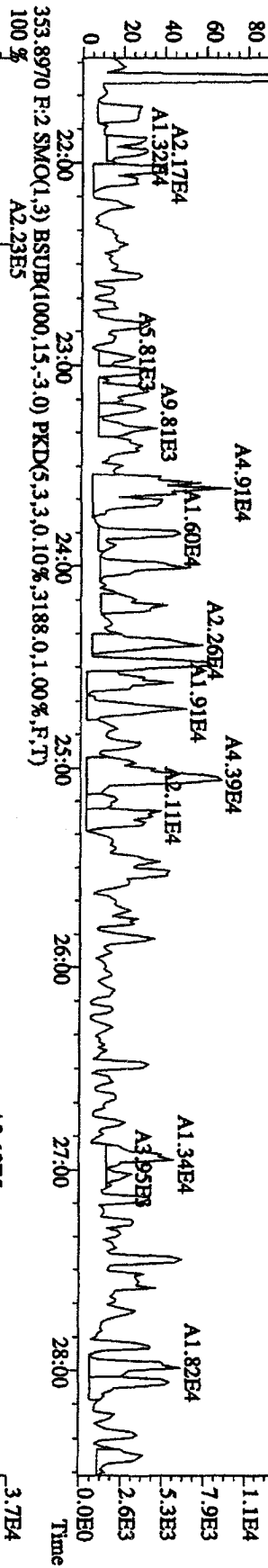
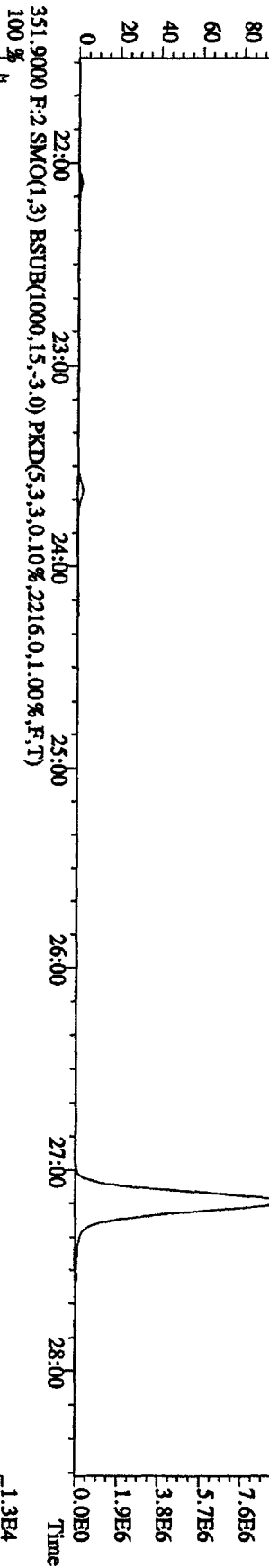
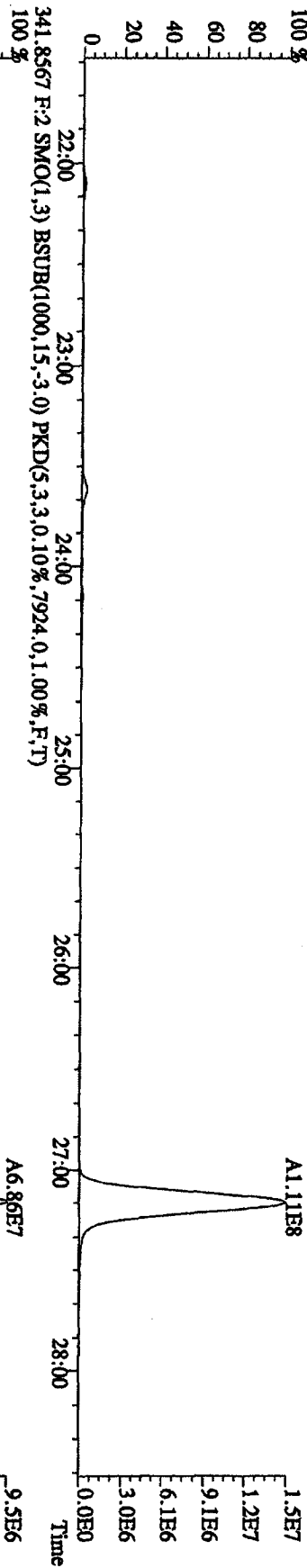
File: 31DE09A1D5 #1-410 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text: CP1231A :DB-5 CPSM 3732-04 Exp: DIOXIN
 319.8965 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7364,0.1,0.0%,F,T)
 100 % A1.15E8



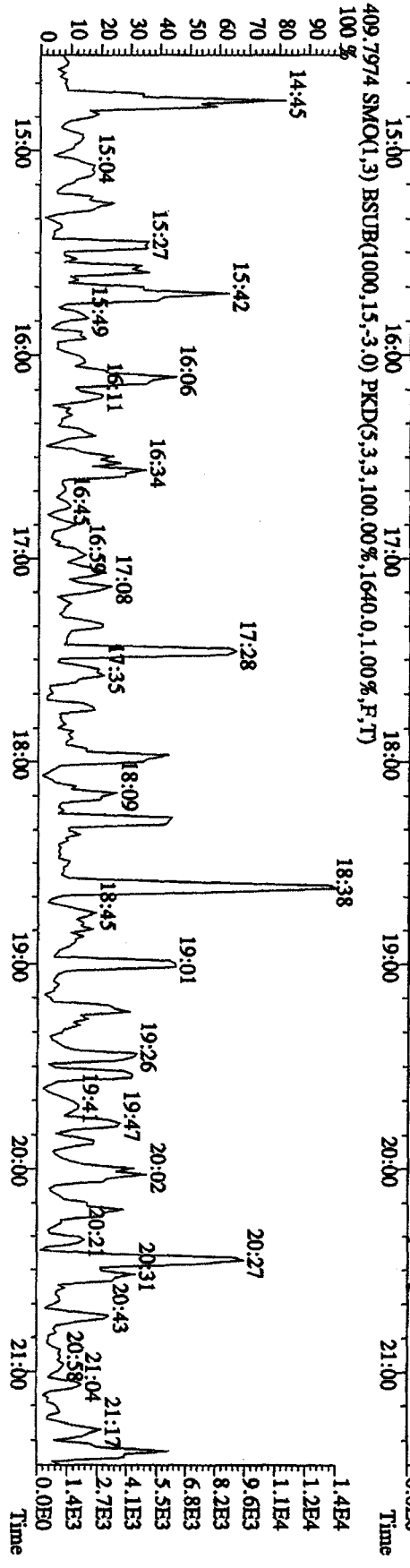
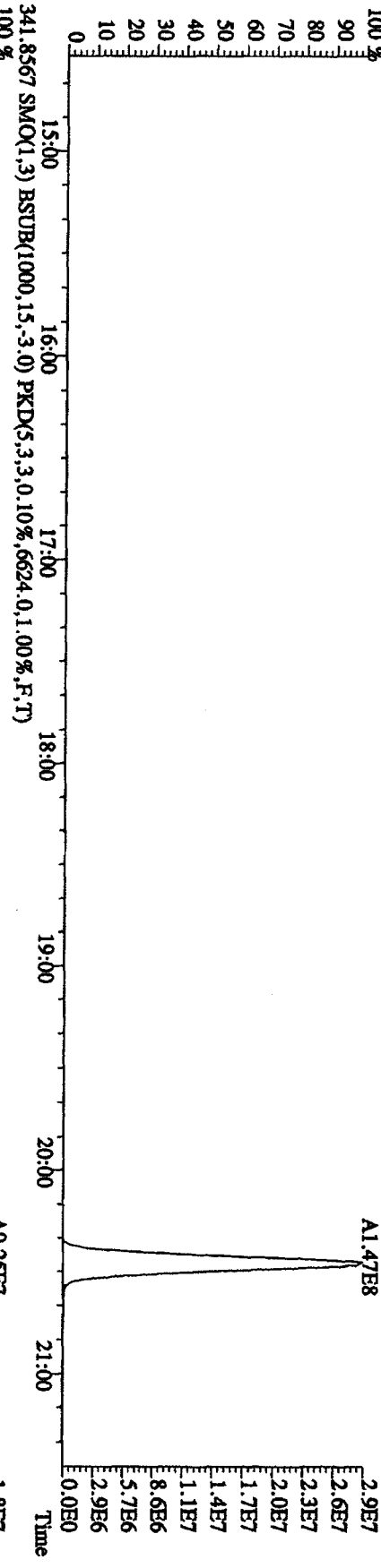
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CP5M 3732-04 Exp:DI0XIN
 327.8847 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,7672,0,1,00%,F,T)



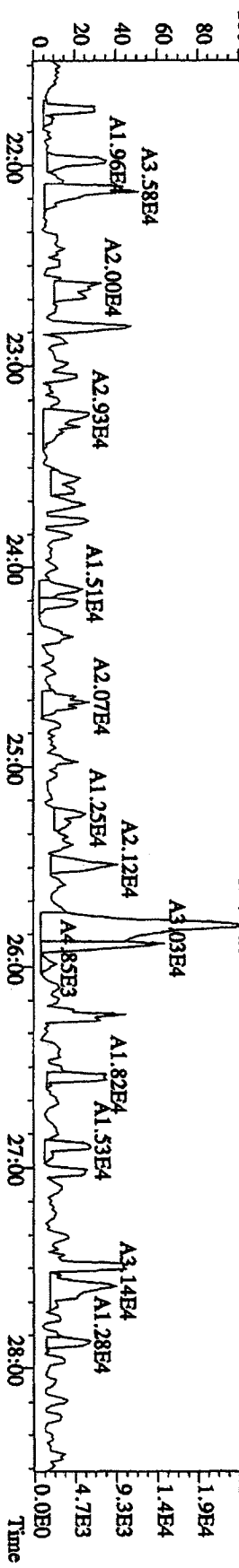
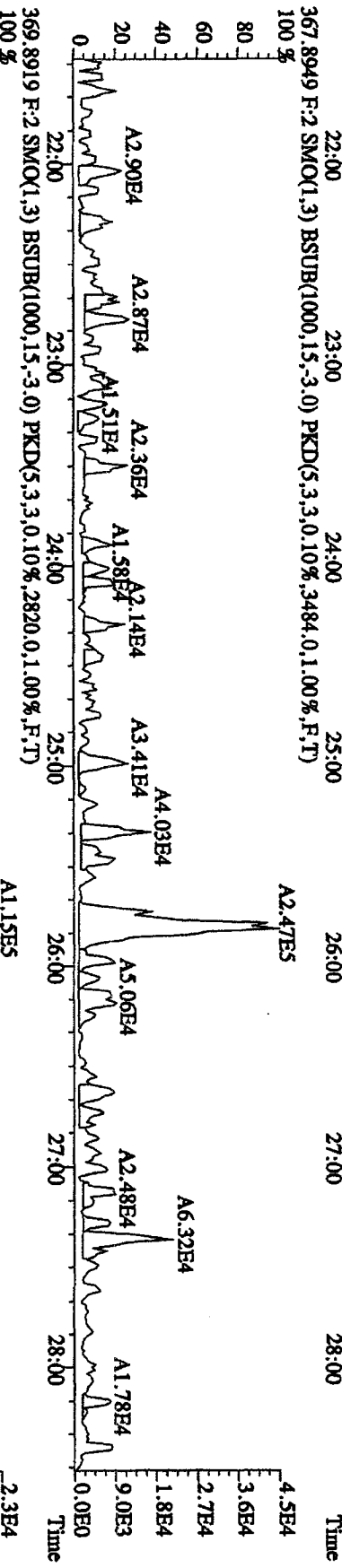
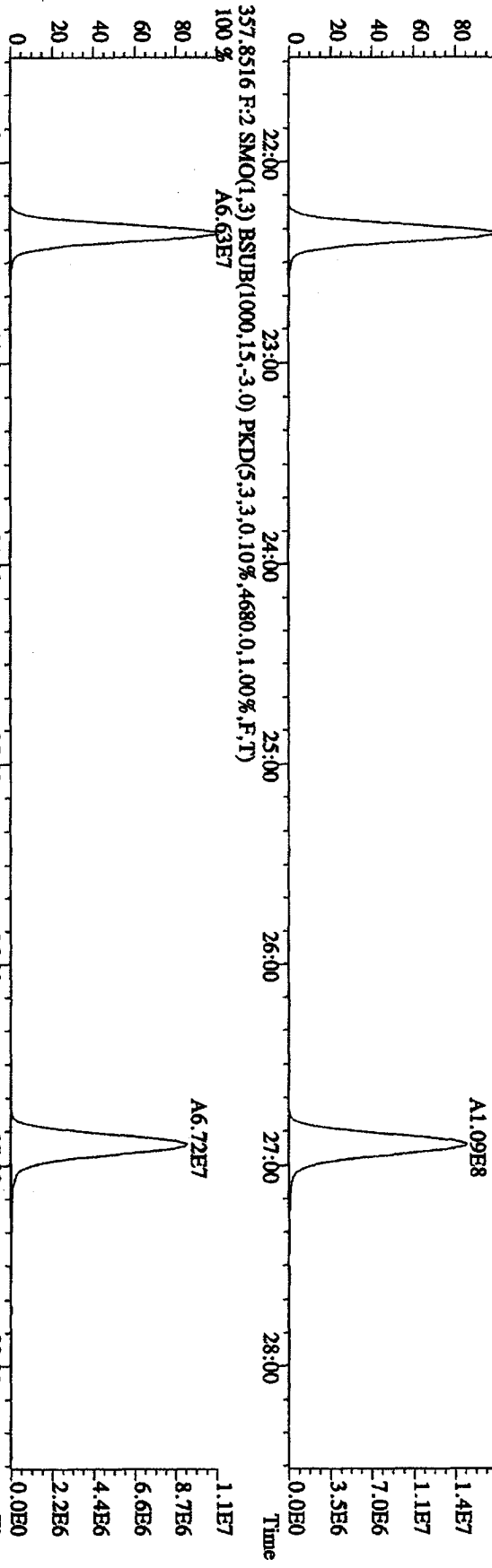
File:31DE09A1D5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp.:DIOXIN
 339.8597 F:2 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6040,0.1,00%,F,T)



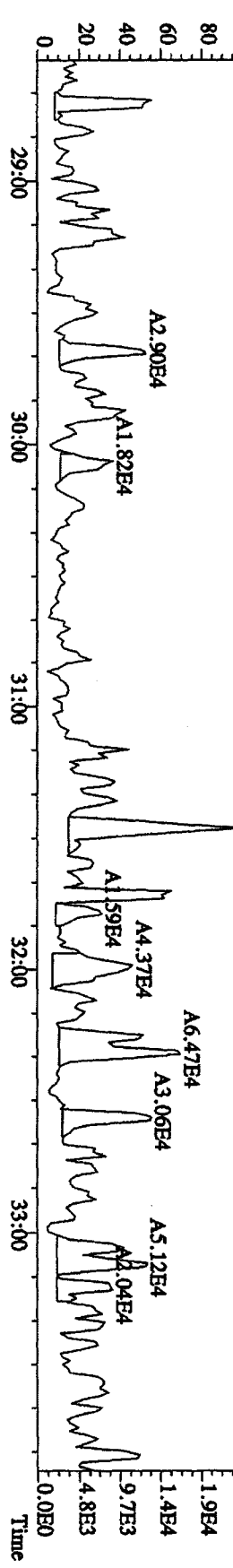
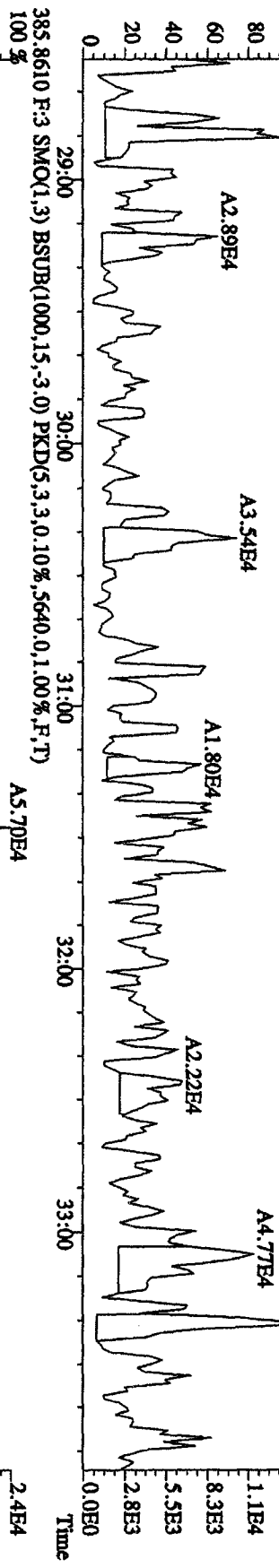
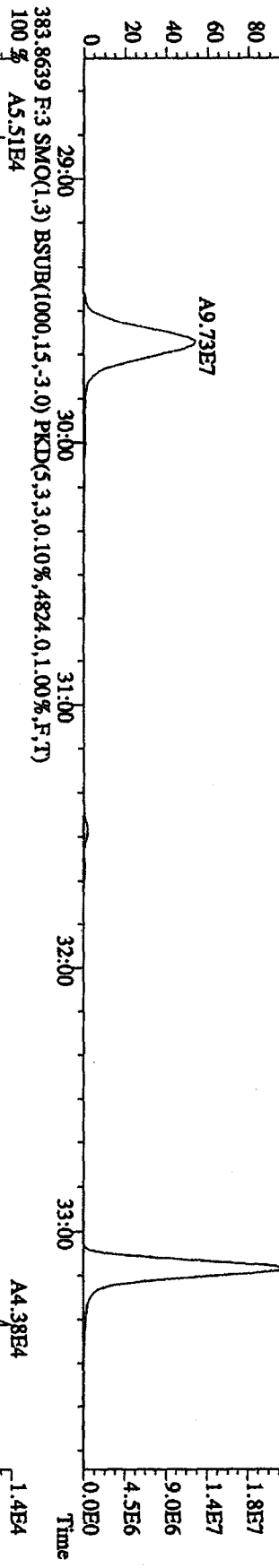
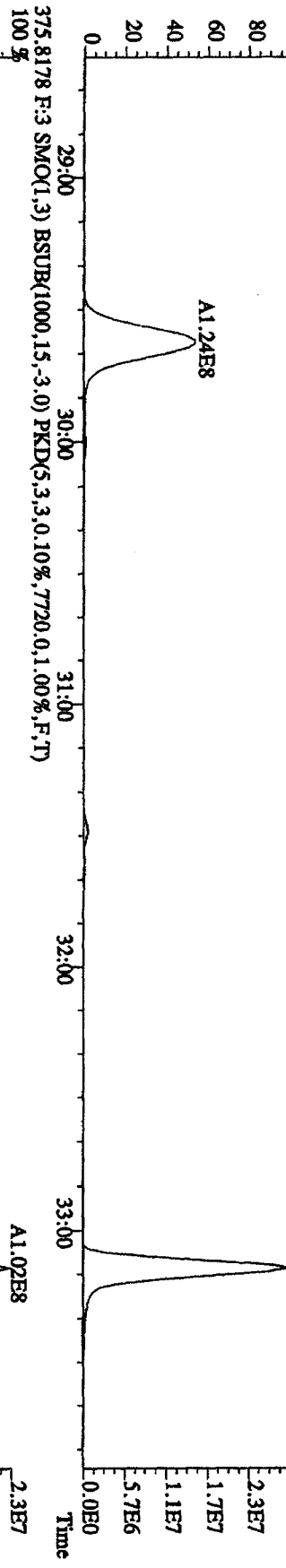
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPM 3732-04 Exp:DIOXIN
 339.8597 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4608,0,1,00%,F,T)



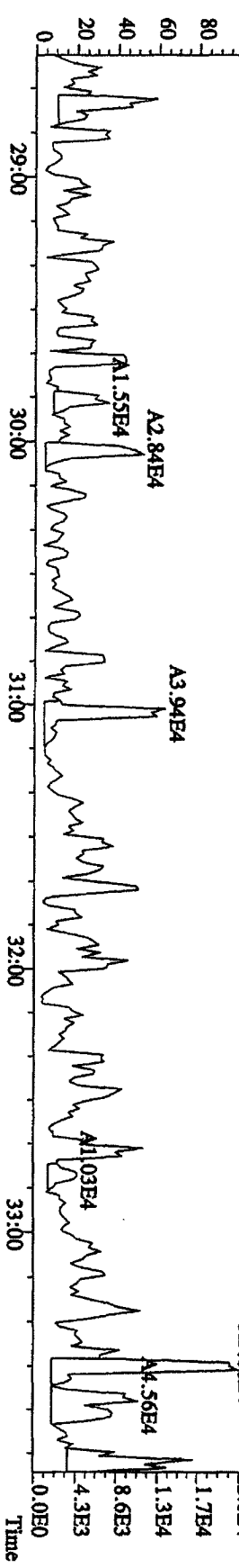
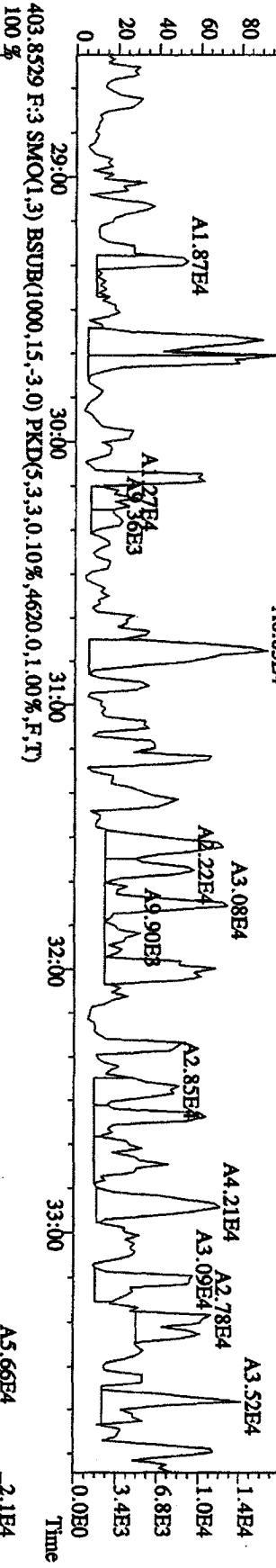
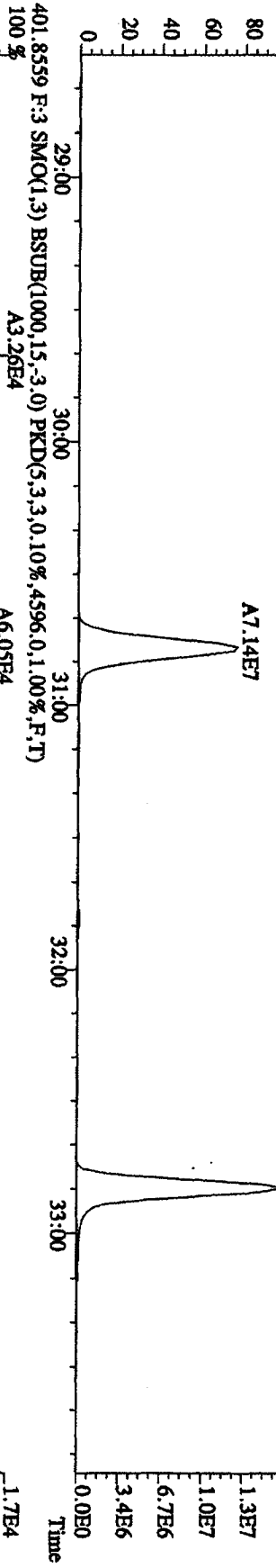
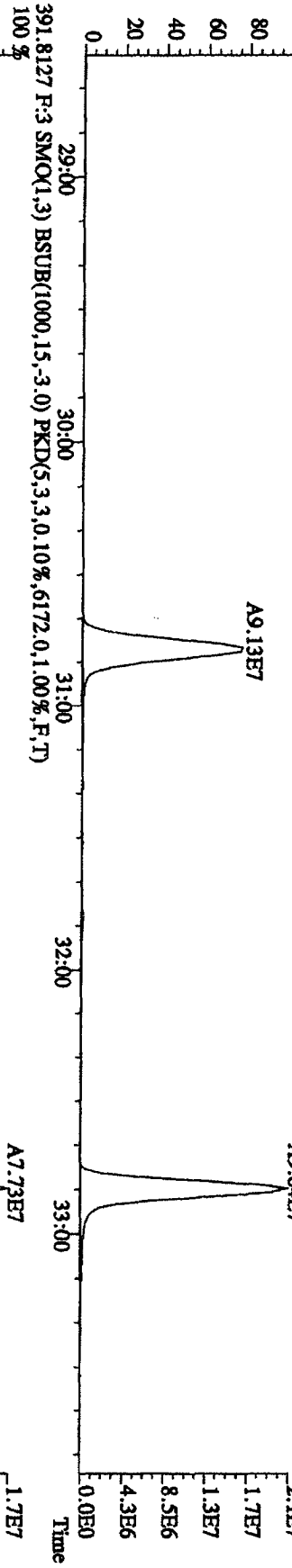
File:31DE09A1ID5 #1-496 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 355.8546 F:2.SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,9928.0,1.00%,F,T)
 100 % A1.07E8



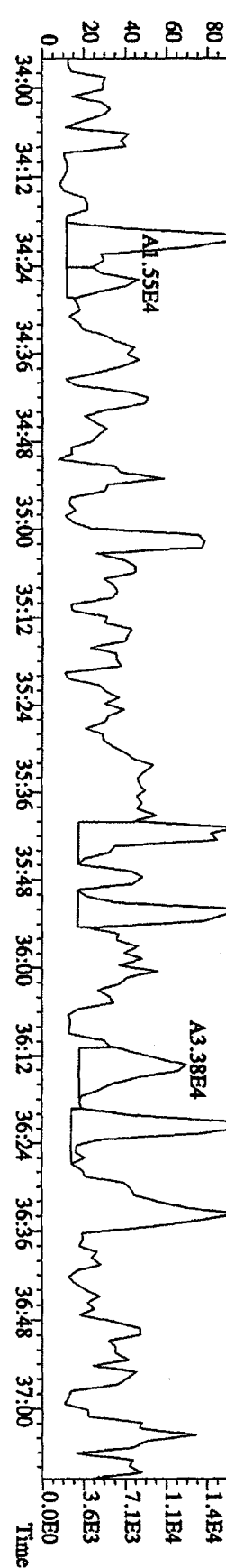
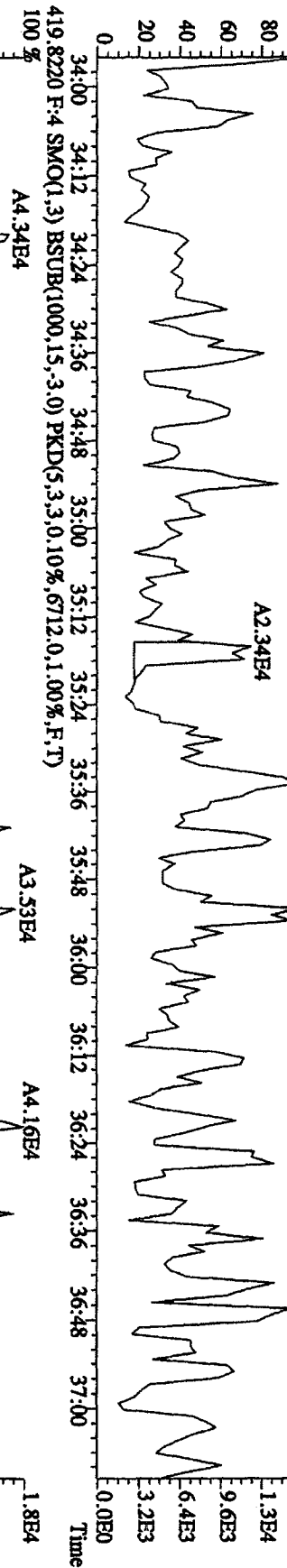
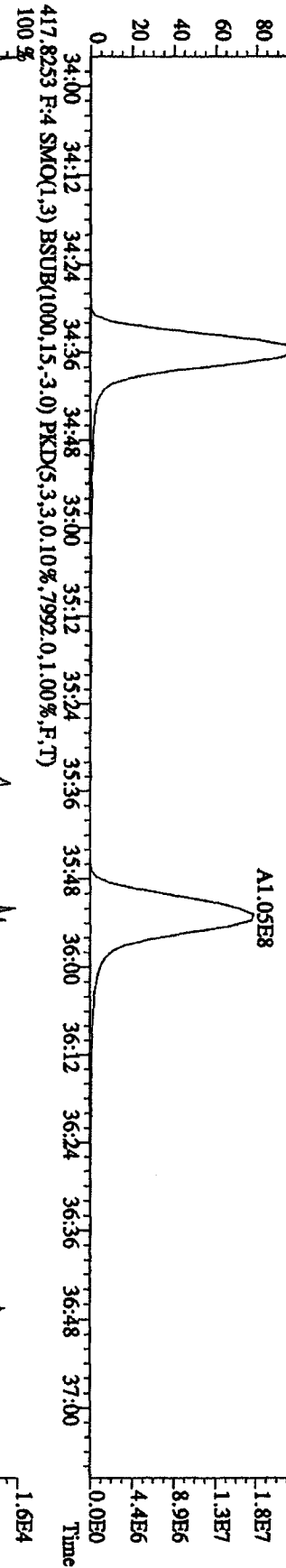
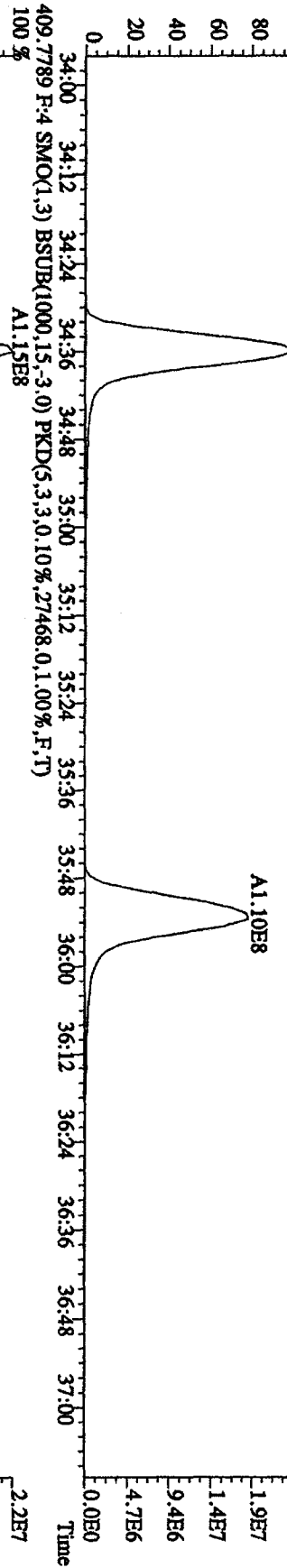
File:31DEC09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CP5M 3732-04 Exp:DIOXIN
 373.8208 F:3 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,16148,0,1.00%,F,T)
 100 %



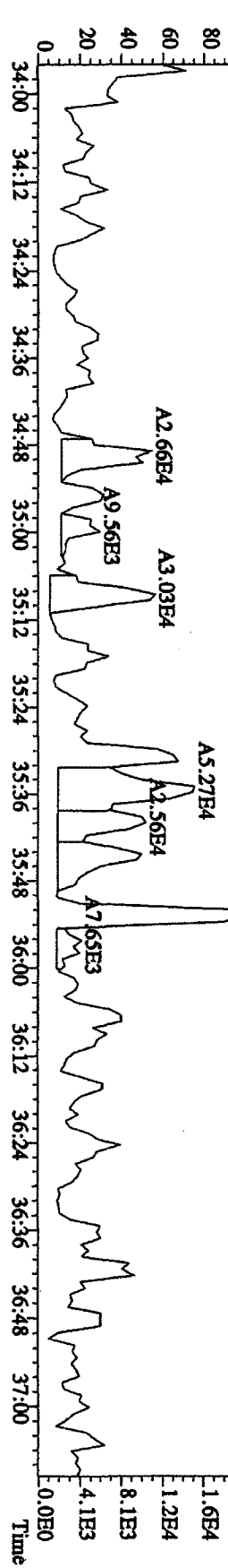
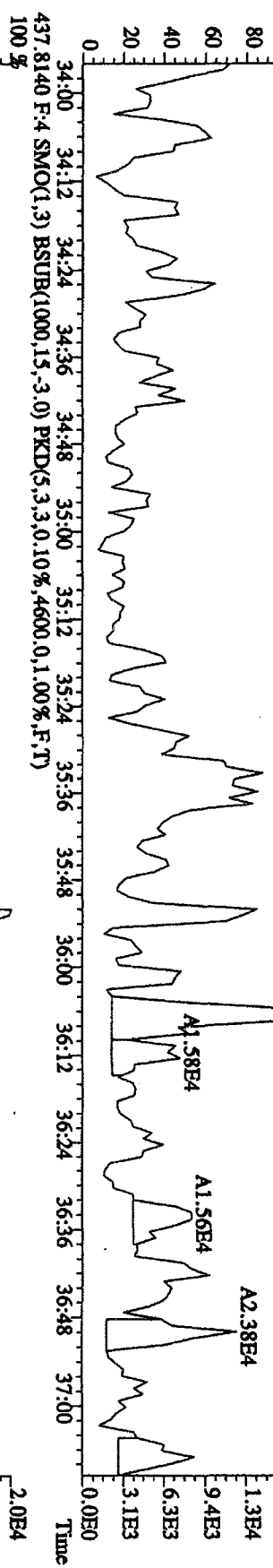
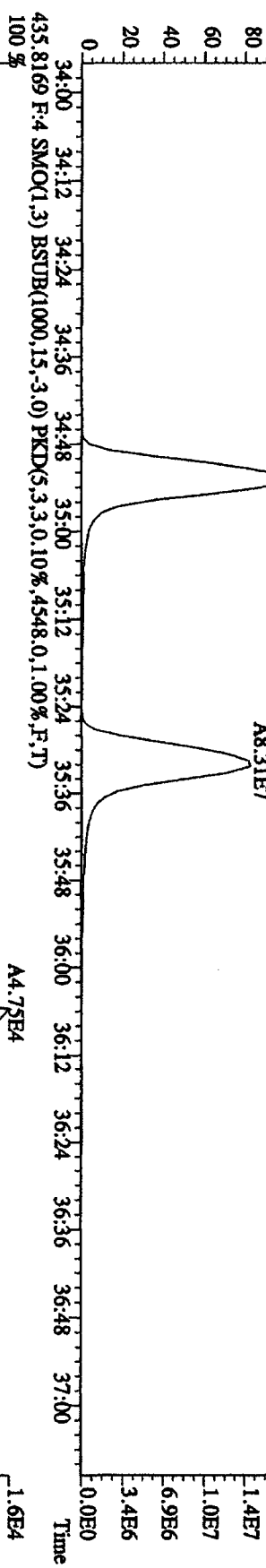
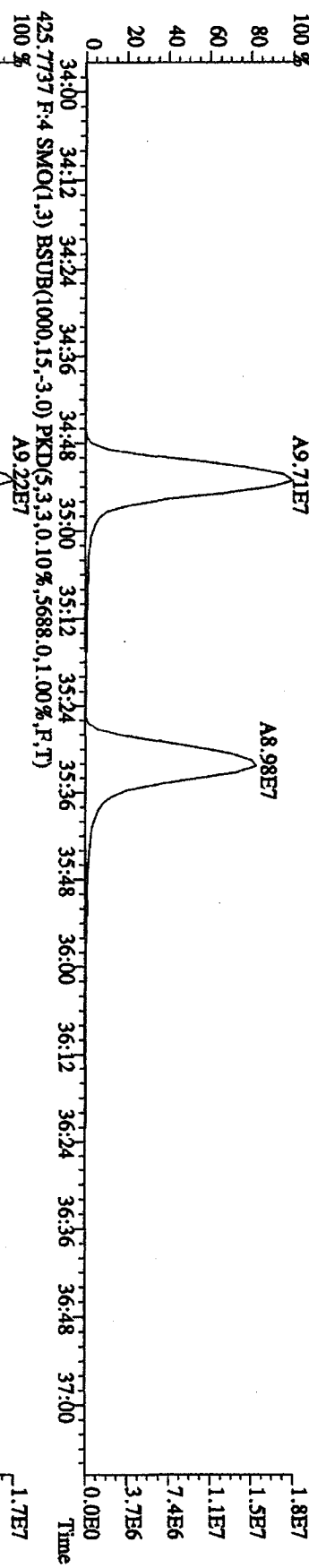
File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 389.8157 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,9424,0,1,00%,F,T)



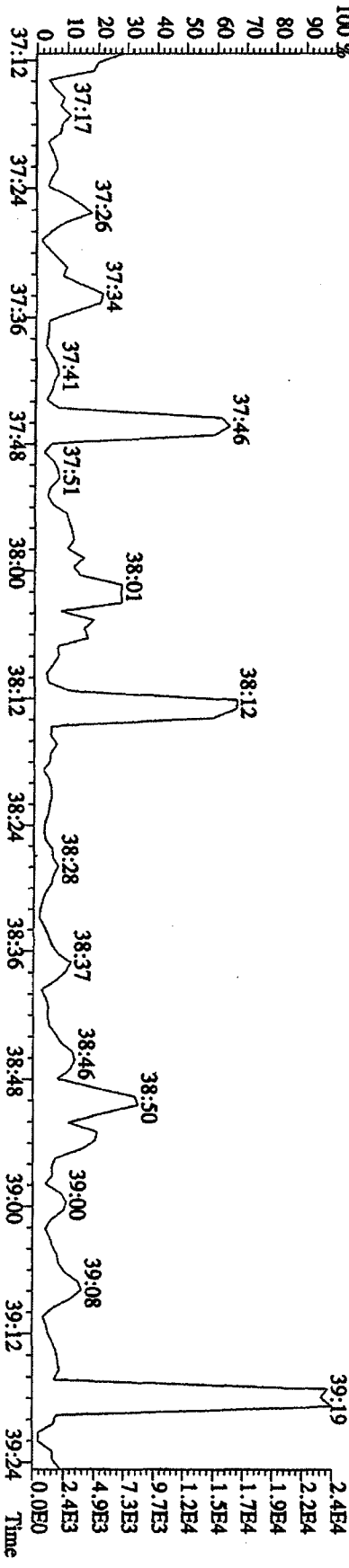
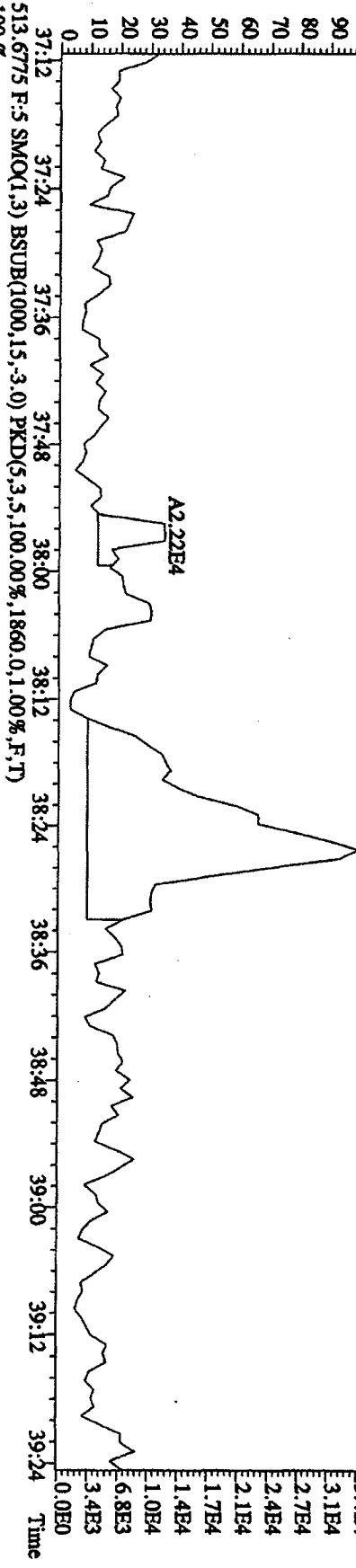
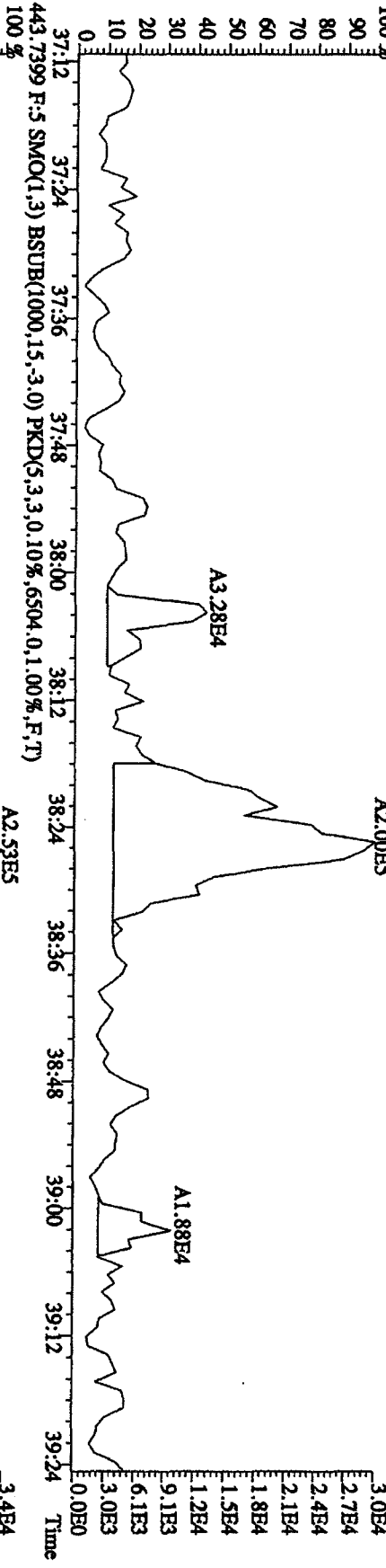
File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 407.7818 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27224,0,1.00%,F,T)
 100%



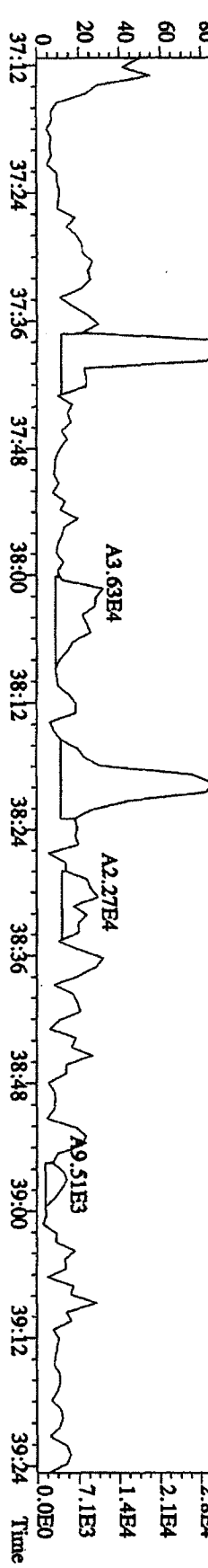
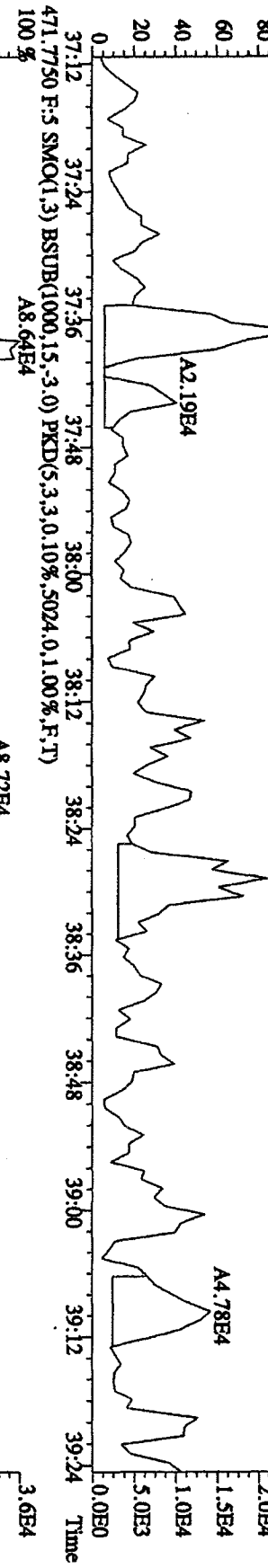
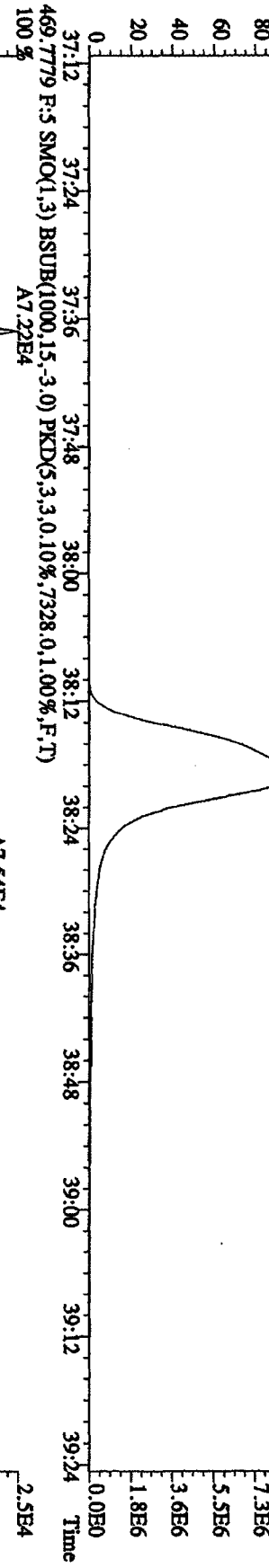
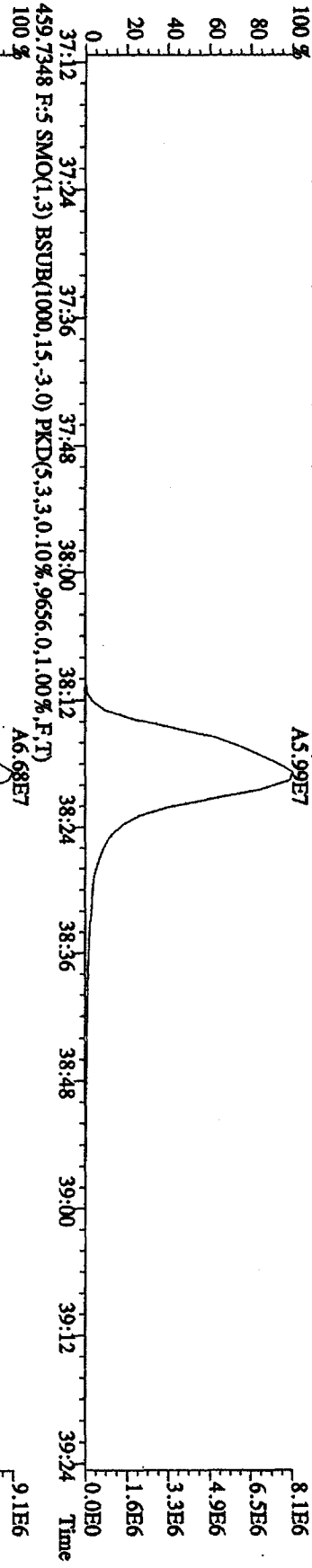
File:31DE09A1D5 #1-228 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 423.7766 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,1.00%,8844,0,1,00%,F,T)
 100 %



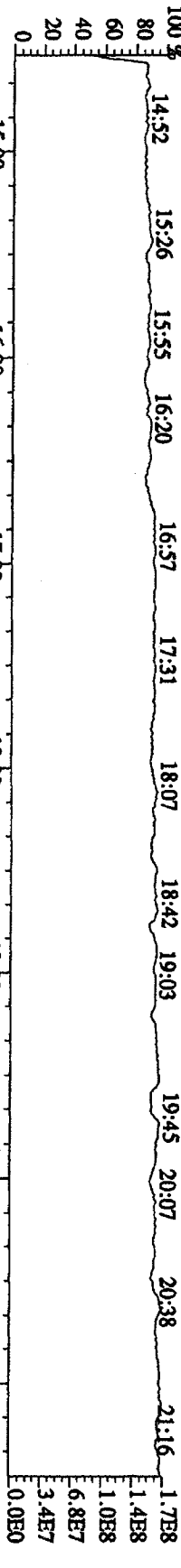
File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732.04 Exp:DIOXIN
 441.7428 F:5.SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,0.10%,4780,0.1,00%,F,T)
 100%



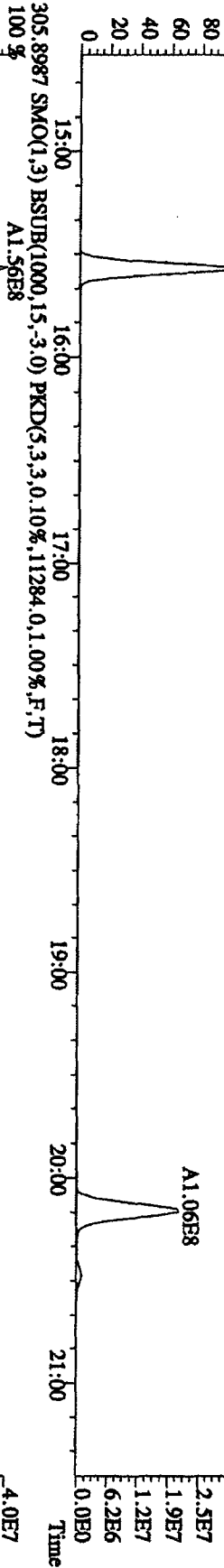
File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPSM 3732-04 Exp:DIOXIN
 457.7377 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7308,0.1,0.0%,F,T)
 100 %



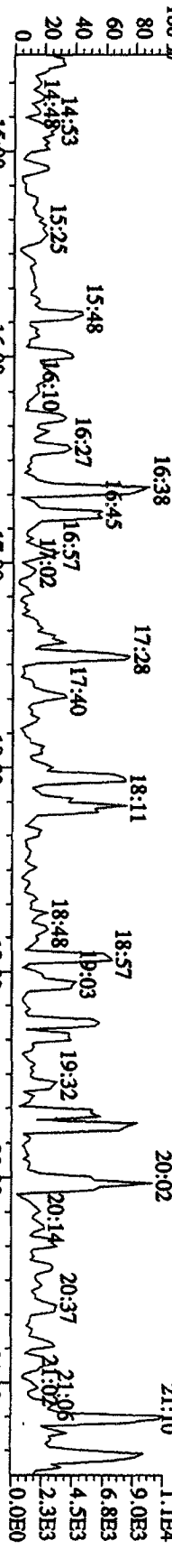
File:31DE09A1D5 #1-410 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CP5M 3732-04 Exp:DI0XIN
 292.9825 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)
 100% 14:52 15:26 15:55 16:20 16:57 17:31 18:07 18:42 19:03 19:45 20:07 20:38 21:16



303.9016 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,7492.0,1.00%,F,T)
 100% 15:00 16:00 17:00 18:00 19:00 20:00 21:00
 A1.21E8
 3.1E7
 2.5E7
 1.9E7
 1.2E7
 6.2E6
 0.0E0



305.8987 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.0,10%,11284.0,1.00%,F,T)
 100% 15:00 16:00 17:00 18:00 19:00 20:00 21:00
 A1.56E8
 4.0E7
 3.2E7
 2.4E7
 1.6E7
 8.1E6
 0.0E0

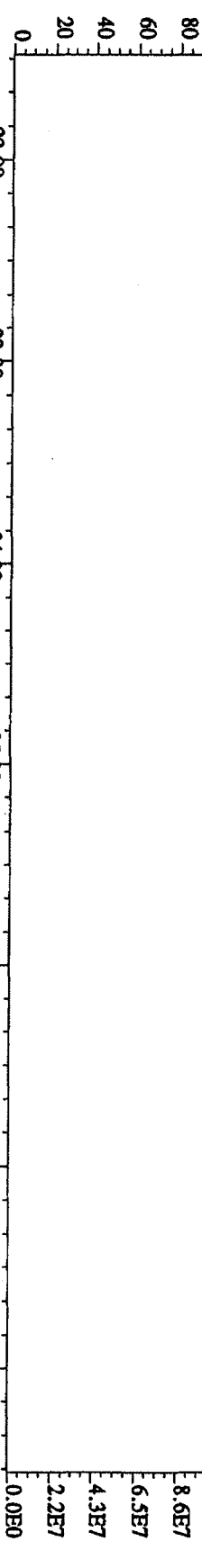


375.8364 SMO(1.3) BSUB(1000,15,-3.0) PKD(5.3,3.100.00%,1960.0,1.00%,F,T)
 100% 15:00 16:00 17:00 18:00 19:00 20:00 21:00
 1.1E4
 9.0E3
 6.8E3
 4.5E3
 2.3E3
 0.0E0
 1.4E8
 1.1E8
 8.2E7
 5.4E7
 2.7E7
 0.0E0

File: 31DE09A1D5 #1-496 Acq: 31-DEC-2009 23:25:43 GC: EI+ Voltage: SIR 70SE

Sample#1 Text: CP1231A :DB-5 CPISM 3732-04 Exp: DIOXIN

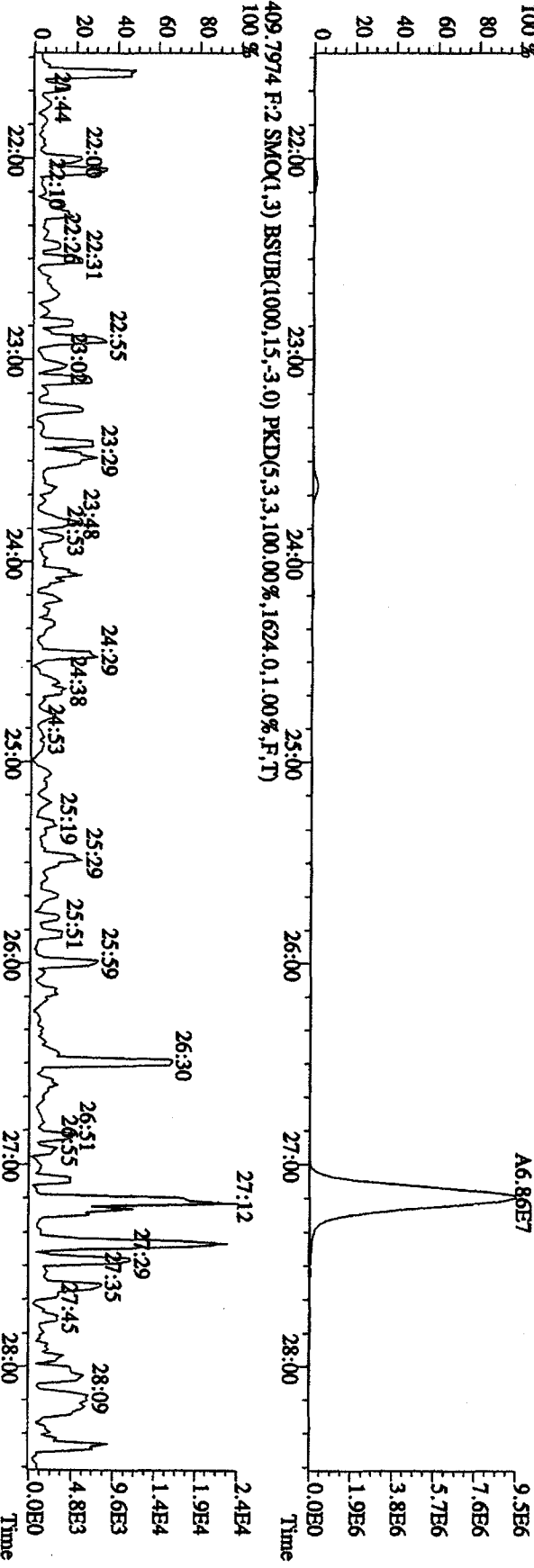
342.9792 F:2 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T) 22:14 22:55 23:31 24:03 24:29 24:56 25:34 26:09 26:40 27:23 27:50 28:29 1.1E8



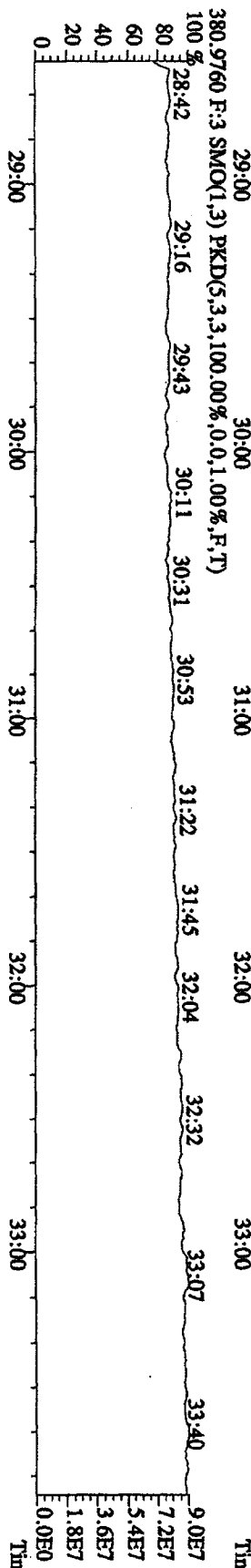
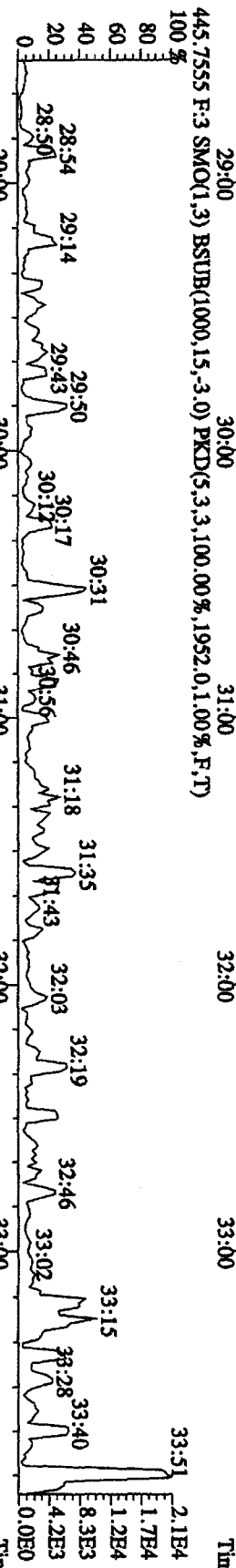
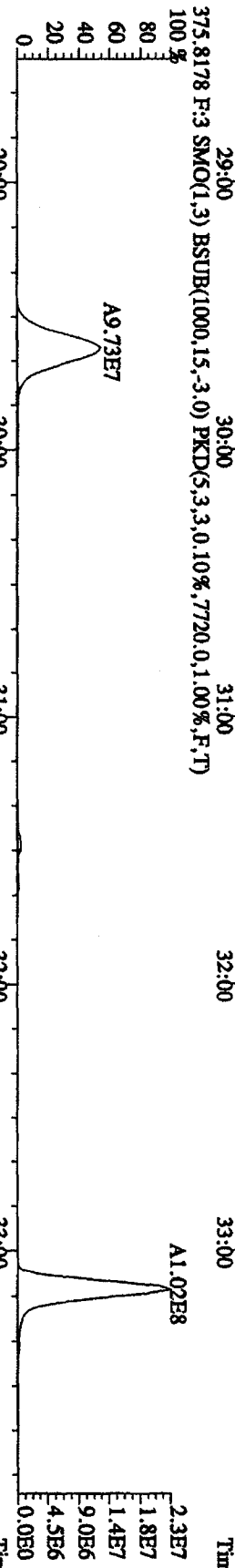
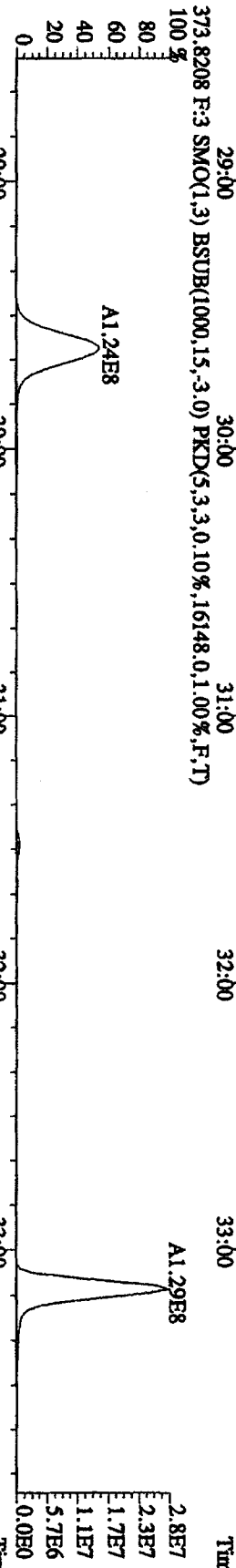
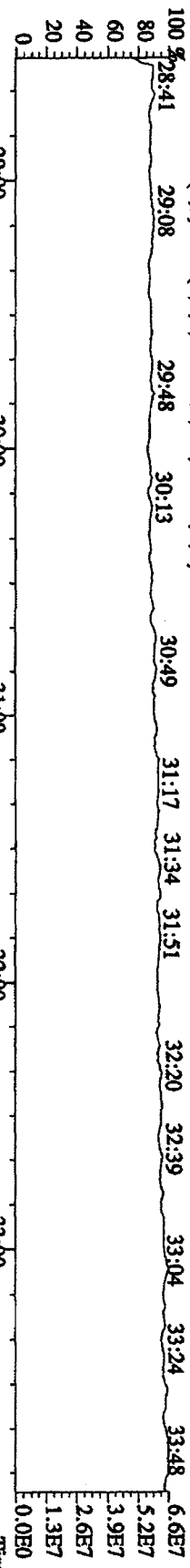
339.8597 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6040,0,1.00%,F,T) 22:00 23:00 24:00 25:00 26:00 27:00 28:00 1.5E7



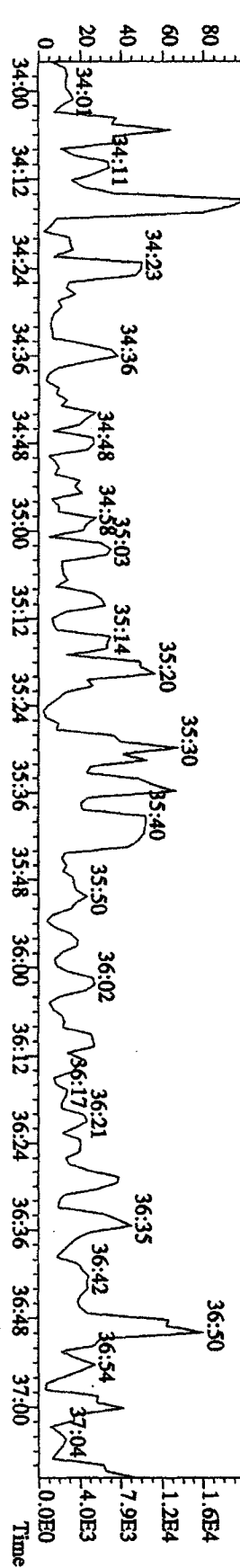
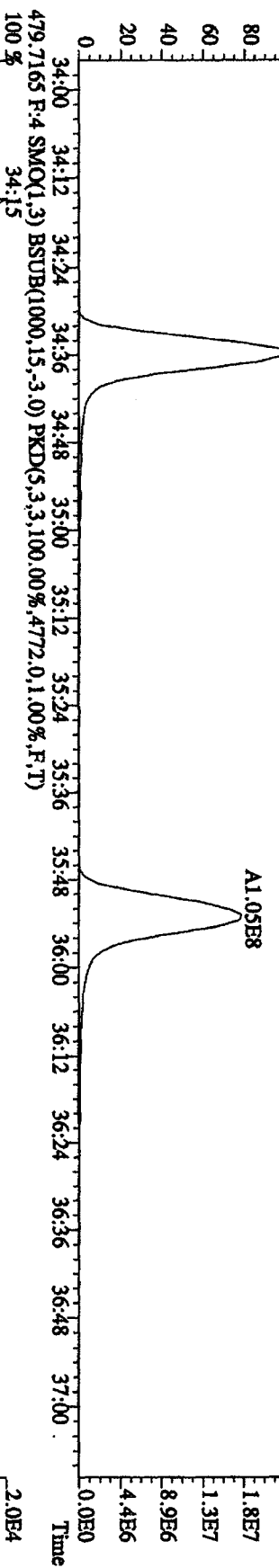
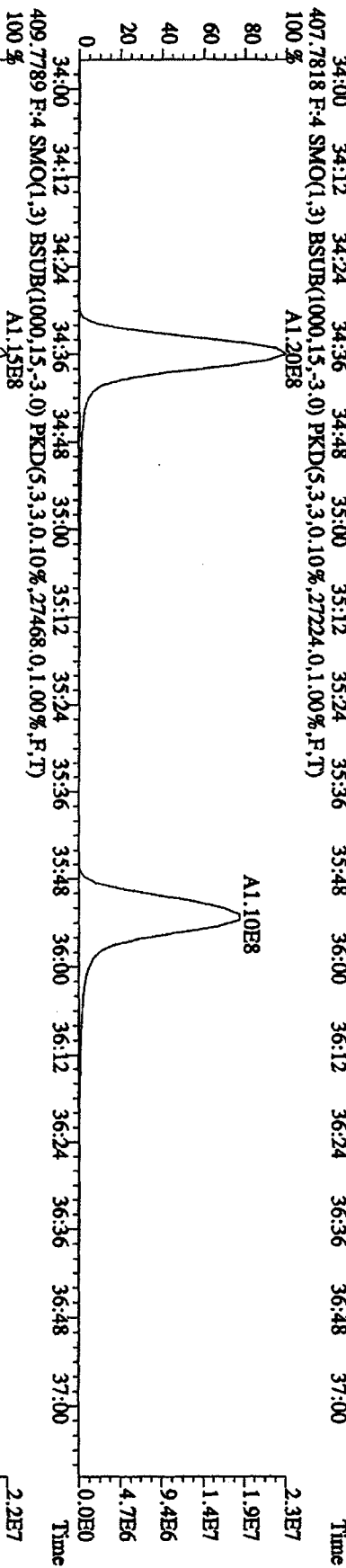
409.7974 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,1624,0,1.00%,F,T) 22:00 23:00 24:00 25:00 26:00 27:00 28:00 2.4E4



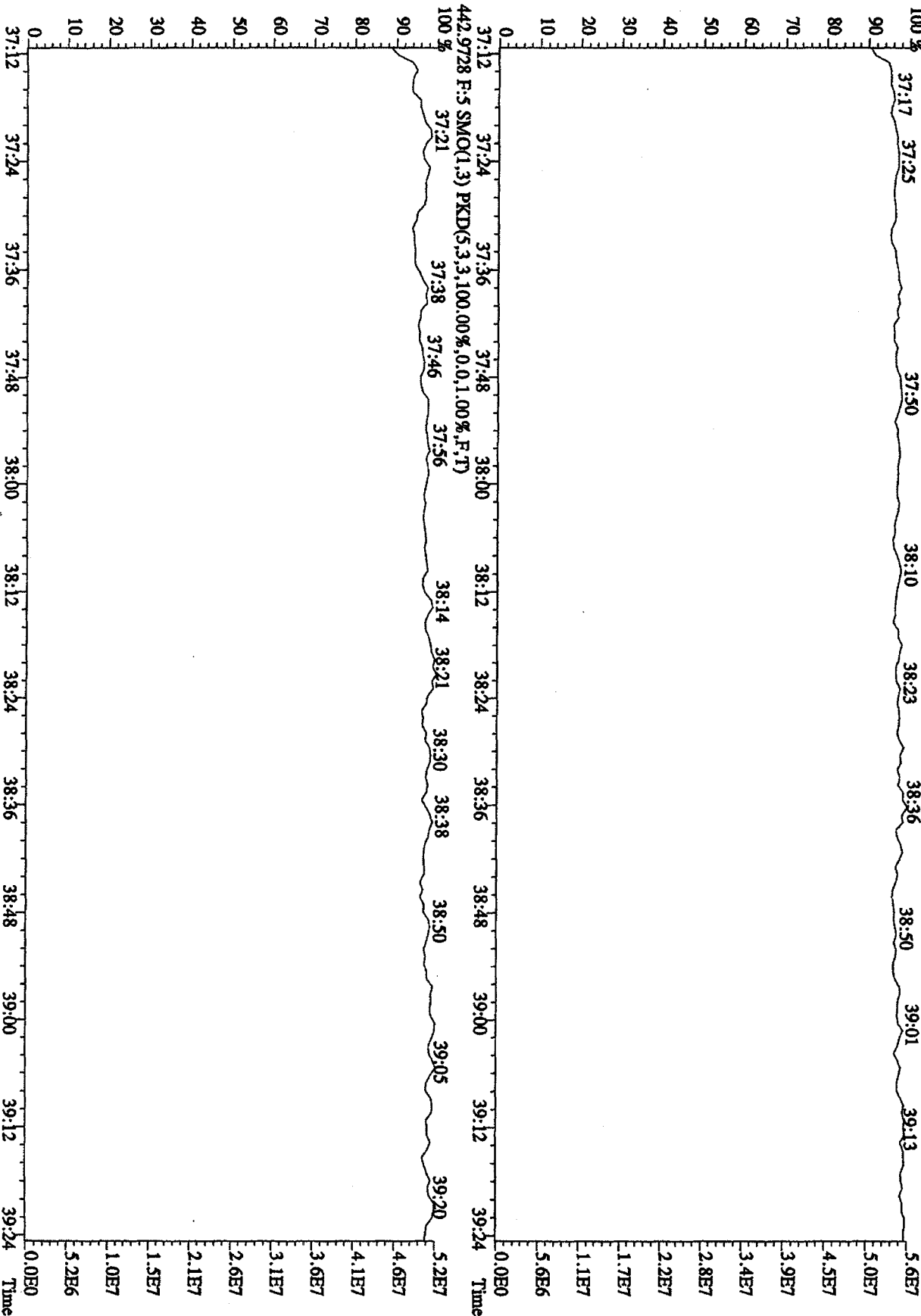
File:31DE09A1D5 #1-361 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPISM 3732-04 Exp:DIOXIN



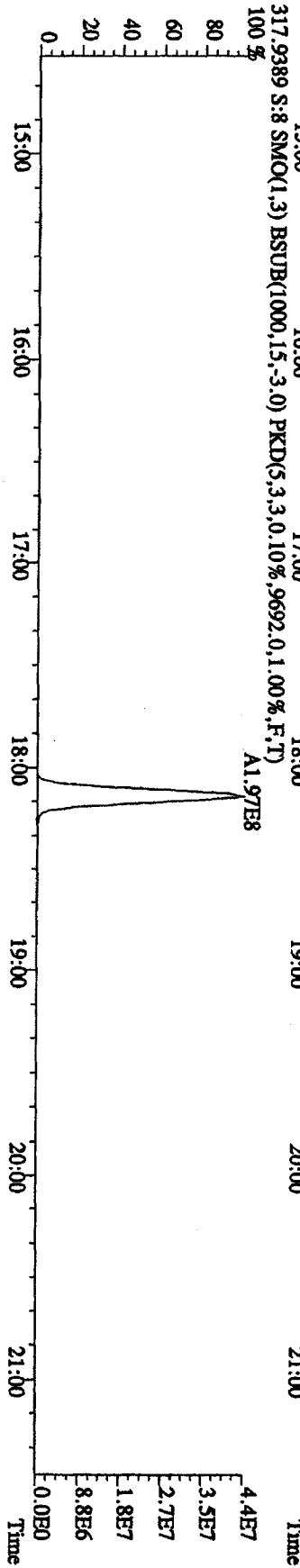
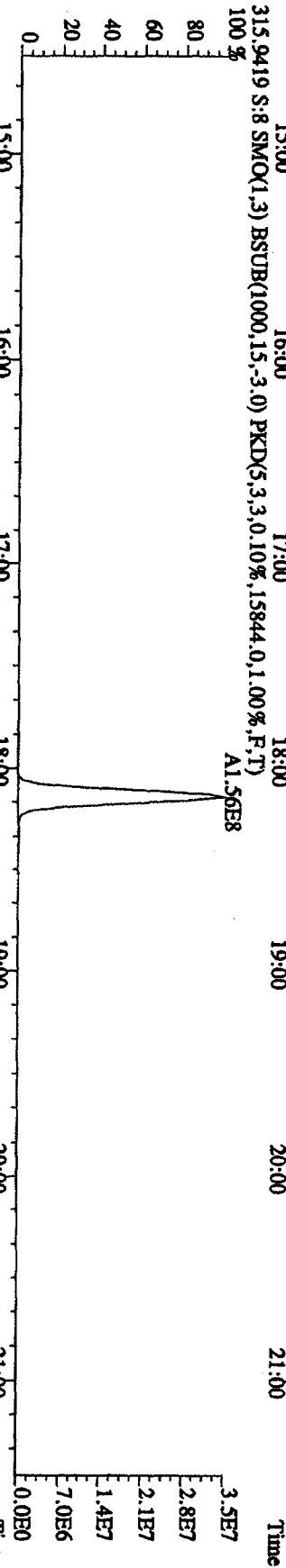
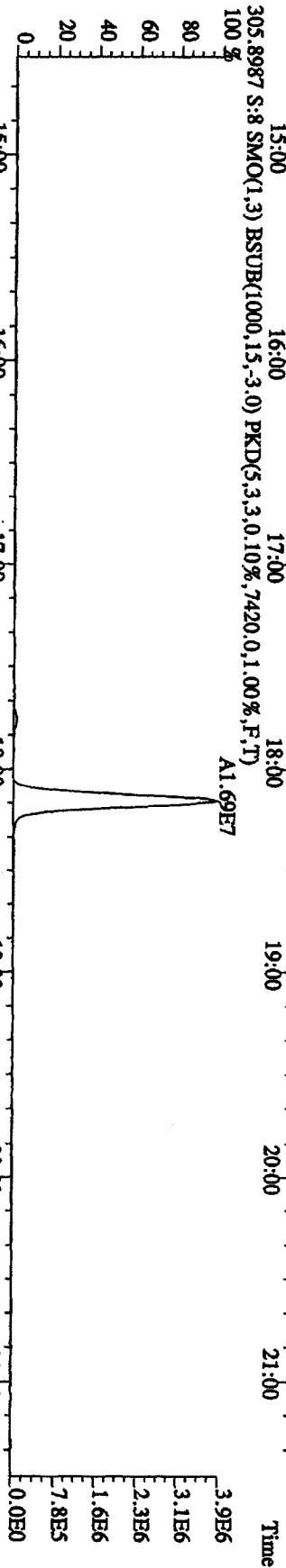
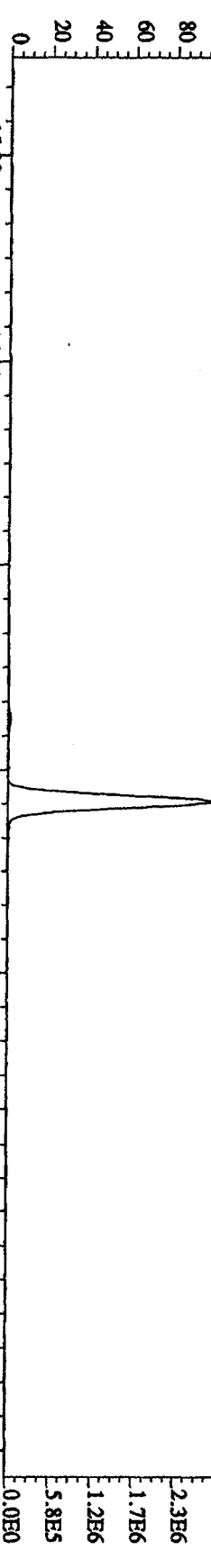
File: 31DE09A1D5 #1-228 Acq: 31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text: CP1231A :DB-5 CPISM 3732-04 Exp: DIOXIN
 430.9728 F:4 SMO(1.3) PKD(5.3,3.100,0.0,0.1,0.0%,F,T)
 100 % 34:05 34:20 34:42 34:58 35:12 35:23 35:39 35:53 36:04 36:24 36:48 37:06



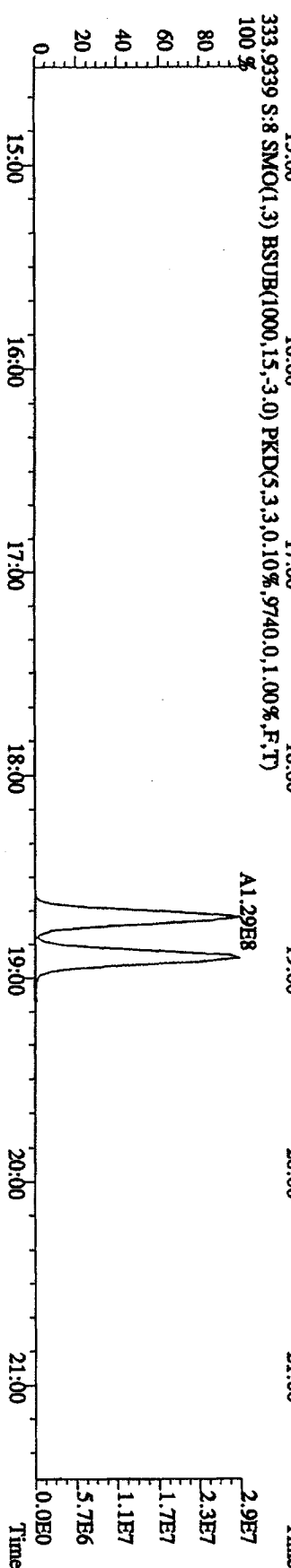
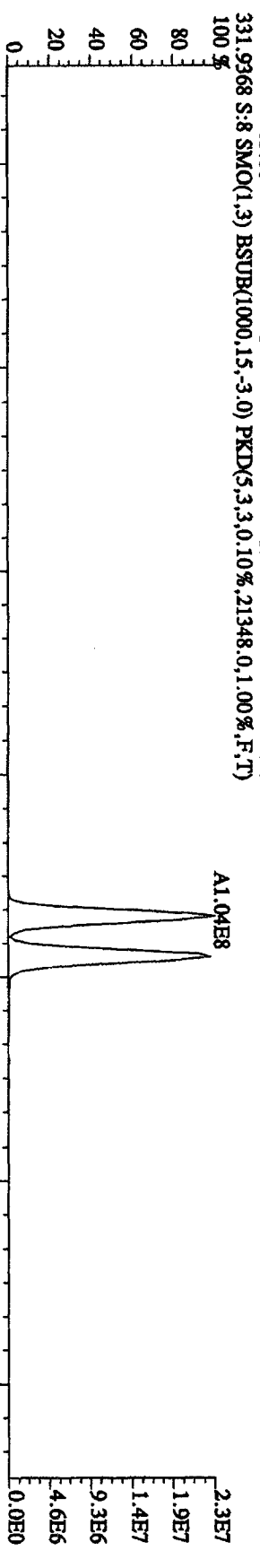
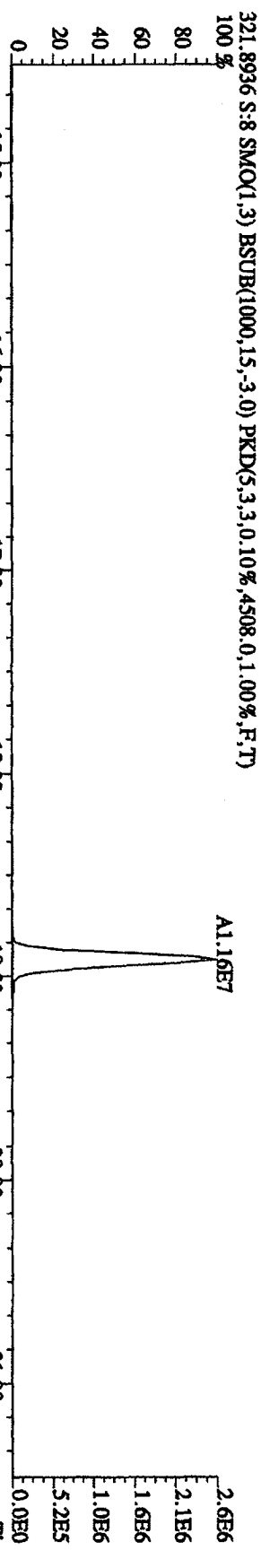
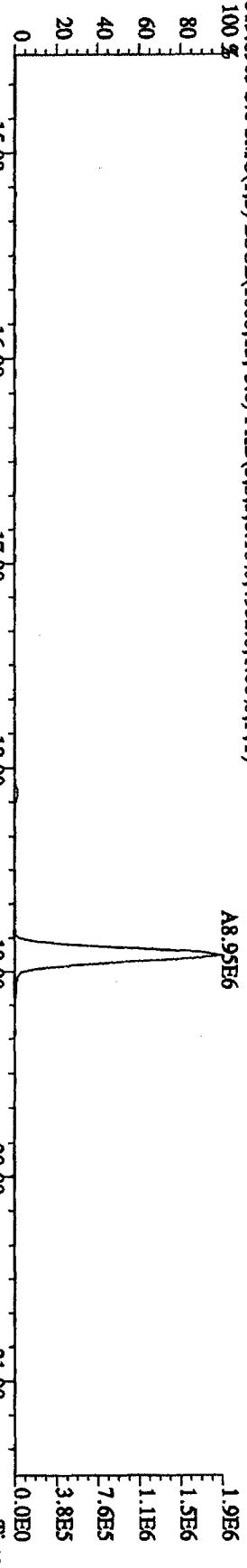
File:31DE09A1D5 #1-161 Acq:31-DEC-2009 23:25:43 GC EI+ Voltage SIR 70SE
 Sample#1 Text:CP1231A :DB-5 CPM 3732-04 Exp:DI0XIN
 454.9728 F:5 SMO(1.3) PKD(5.3,3.100.00%,0.0,1.00%,F,T)
 100 %



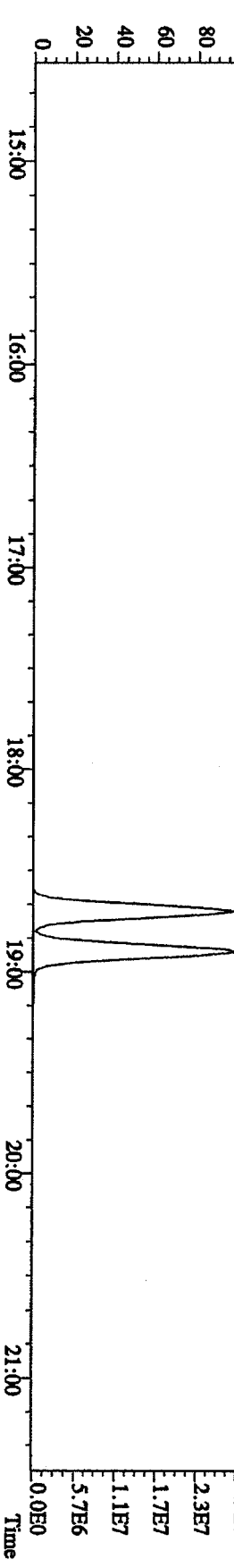
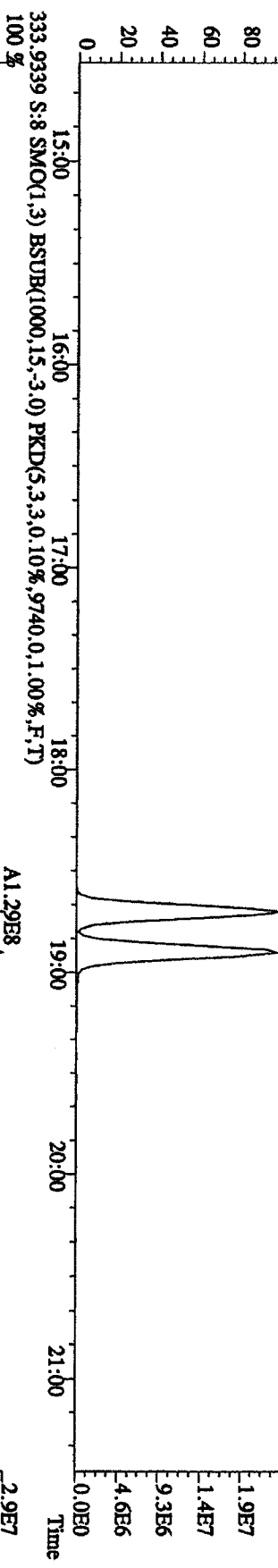
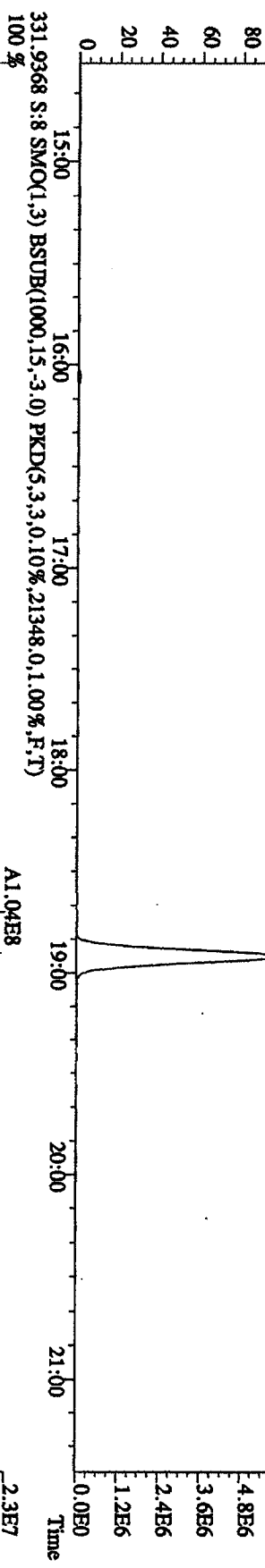
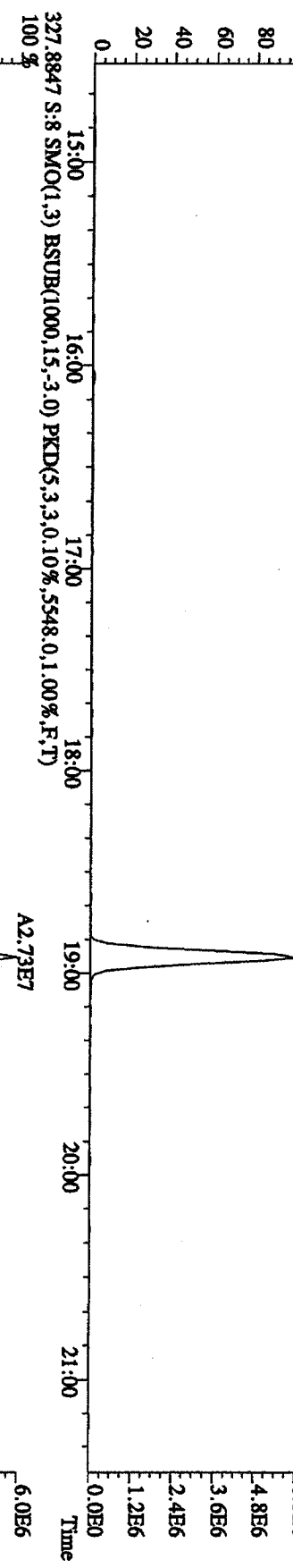
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DIOXIN
 303.9016 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6072,0,1,00%,F,T)
 100 %



File: 31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text: ST1231G 2nd Source 09DXN449 Exp: DIOXIN
 319.8965 S:8 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4932,0,1,00%,F,T)
 100 %



File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 327.8847 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3.0,10%,5548,0,1.00%,F,T)
 100 %



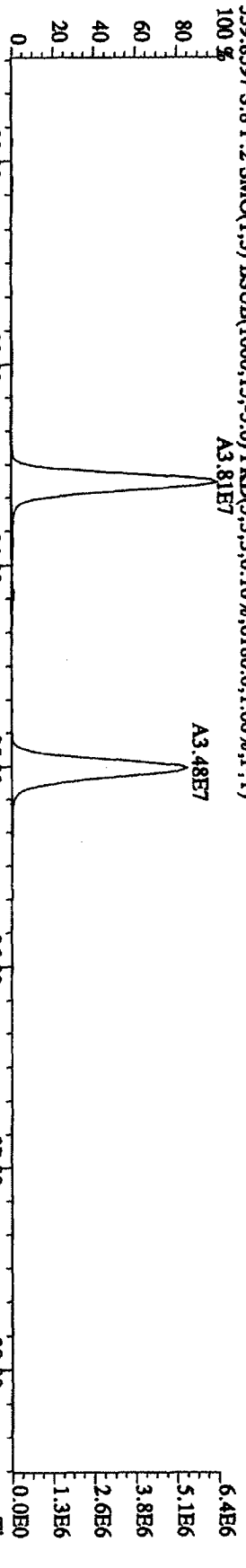
File:31DE09A1IDS #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

339.8597 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6180,0.1,00%,F,T)

A3.81E7

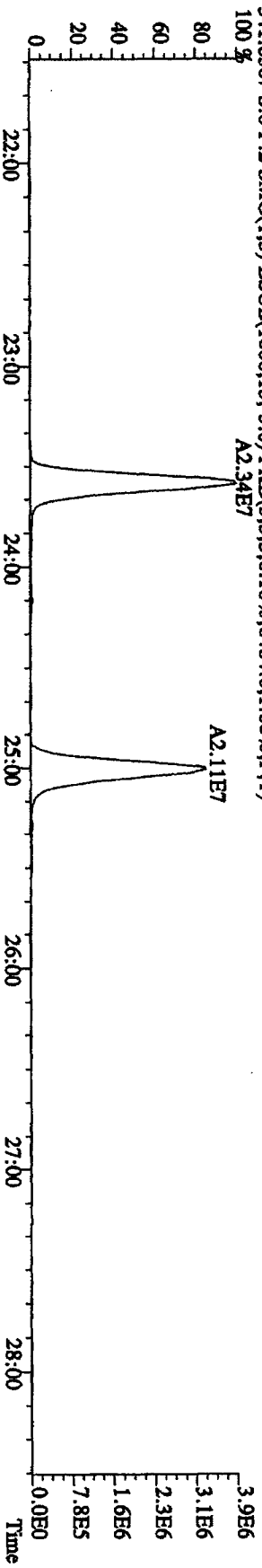
A3.48E7



341.8567 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,6484,0.1,00%,F,T)

A2.34E7

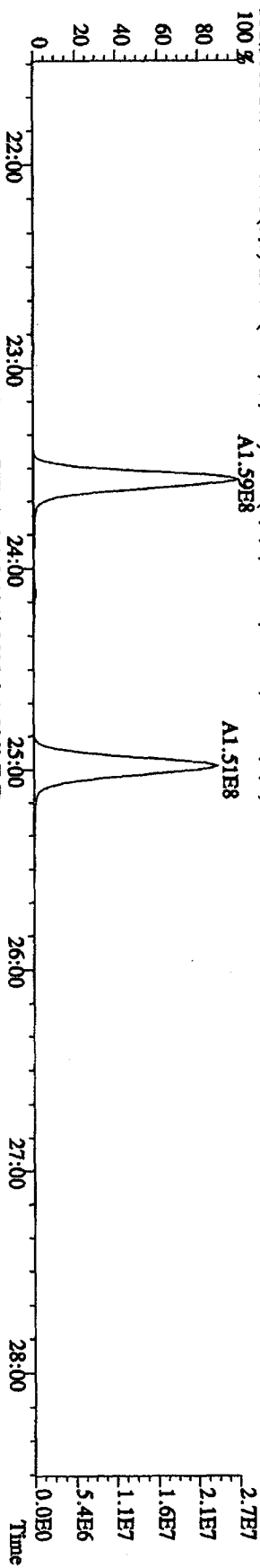
A2.11E7



351.9000 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,5832,0.1,00%,F,T)

A1.59E8

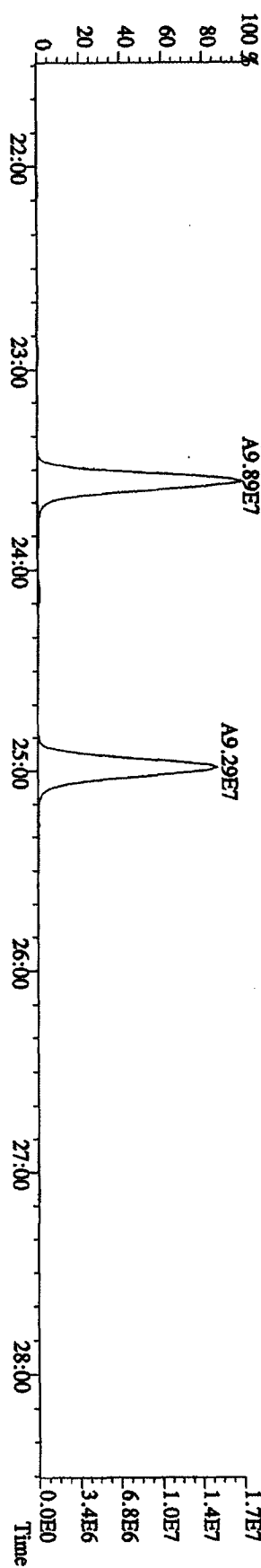
A1.51E8



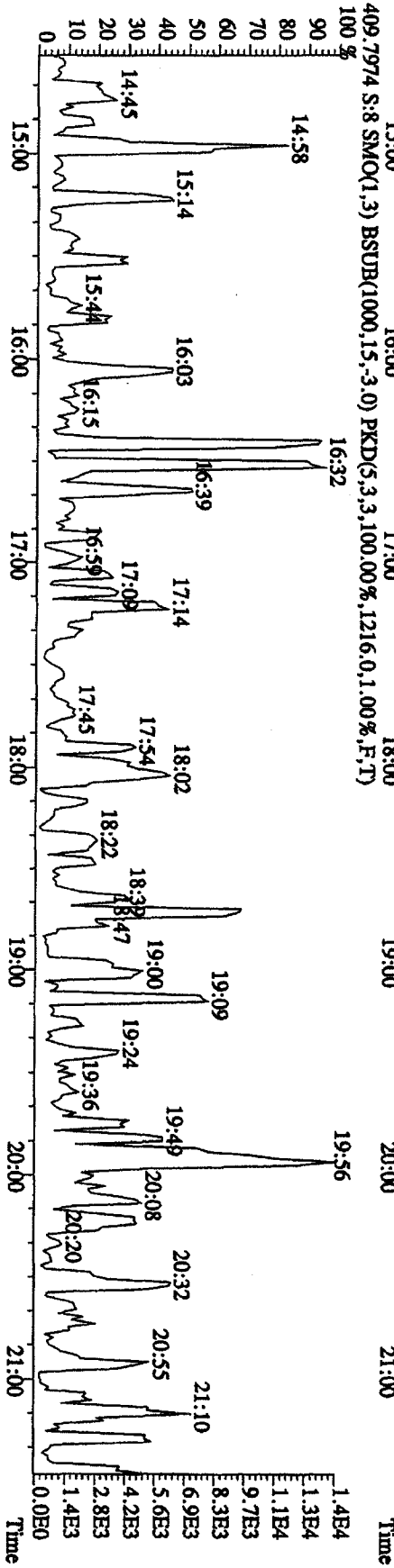
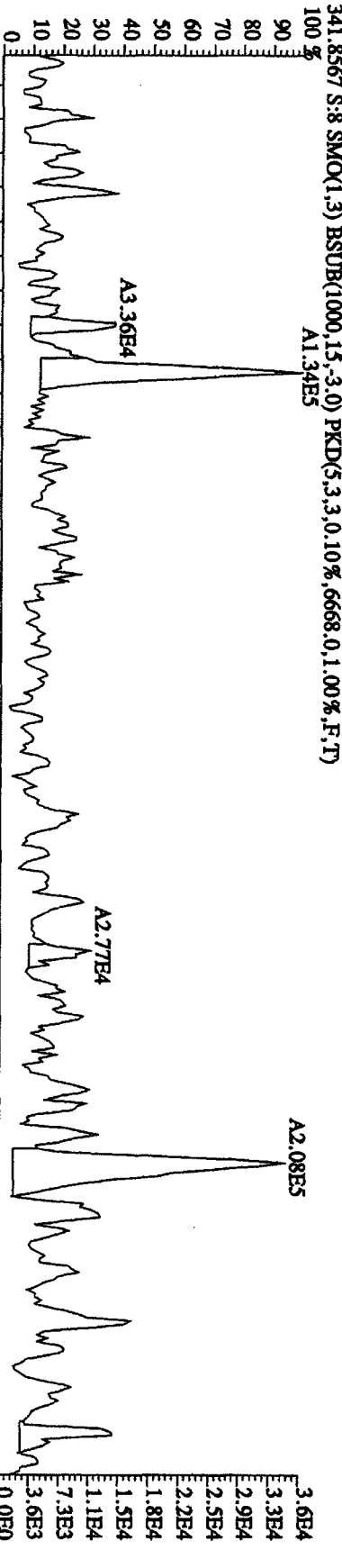
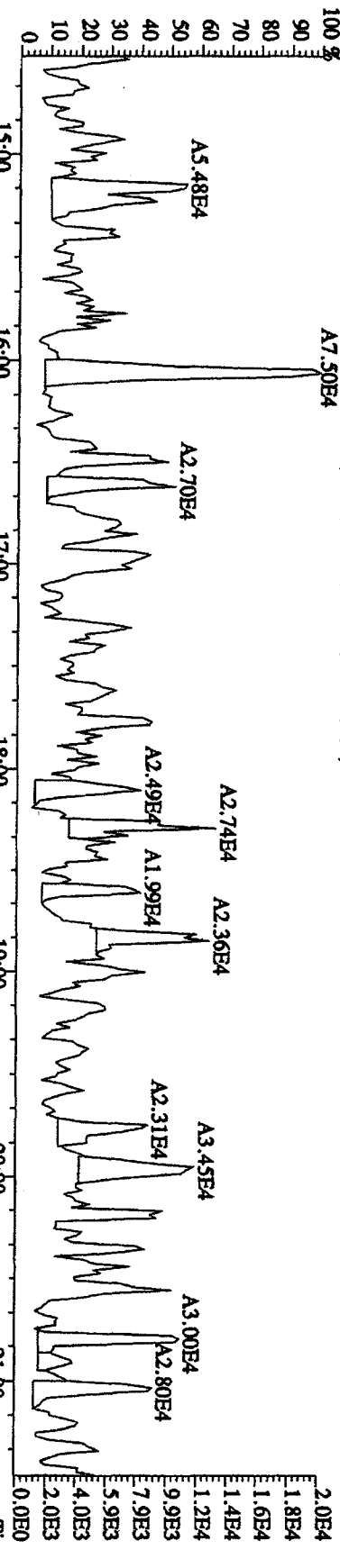
353.8970 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,8500,0.1,00%,F,T)

A9.89E7

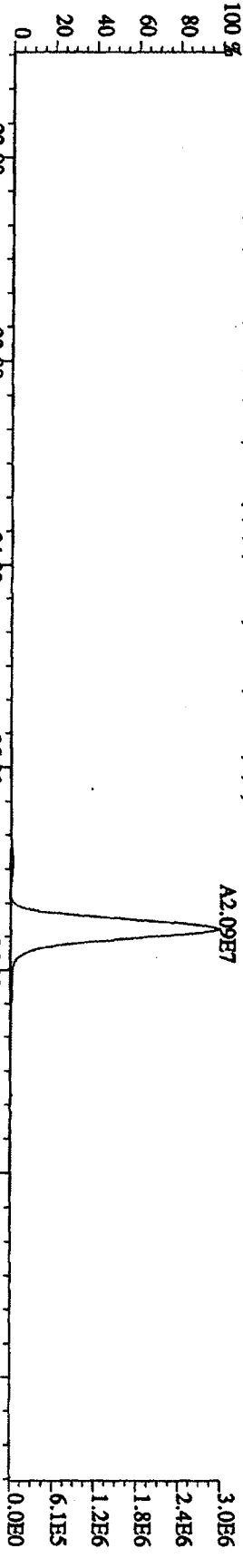
A9.29E7



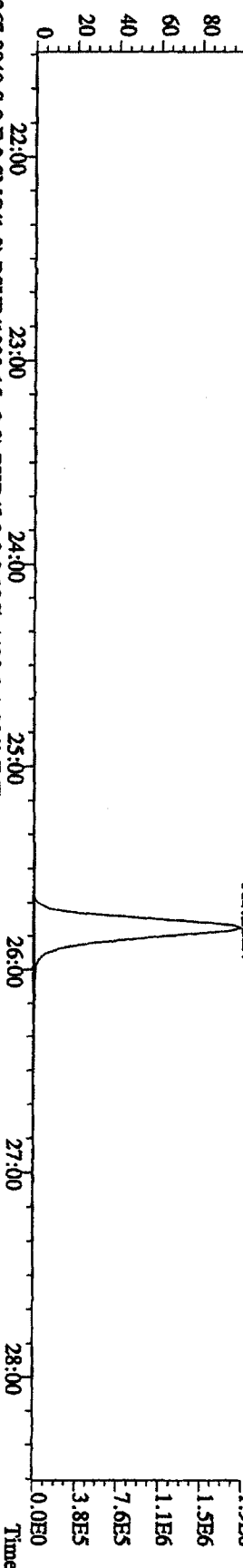
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 339.8597 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6668,0.1,00%,F,T)
 100%



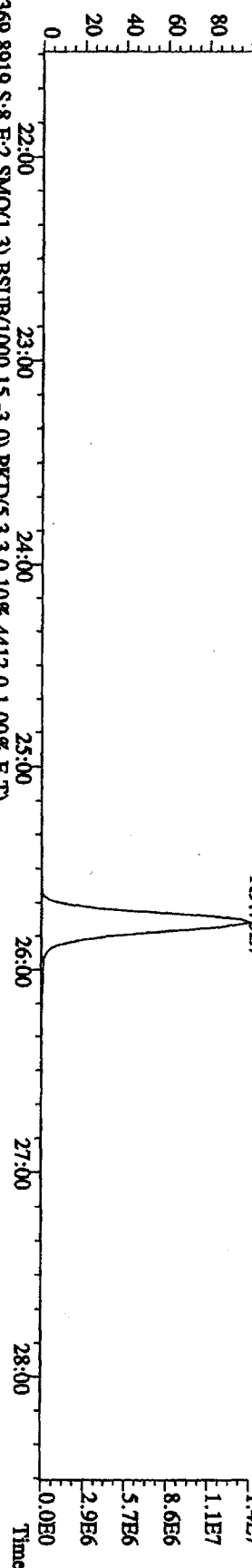
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI + Voltage SRR 70SE
 Sample#8 Text:ST1231G 2nd Source 09DXM449 Exp:DIOXIN
 355,8546 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,6516,0,1,00%,F,T)
 100 %



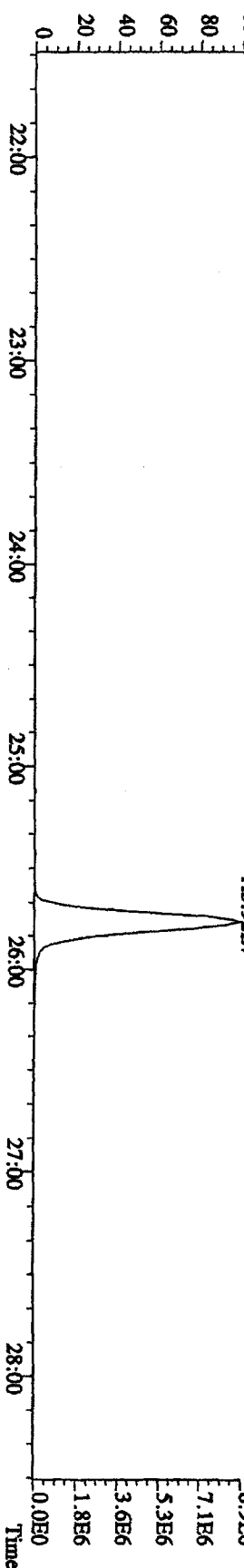
357,8516 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3108,0,1,00%,F,T)
 100 %



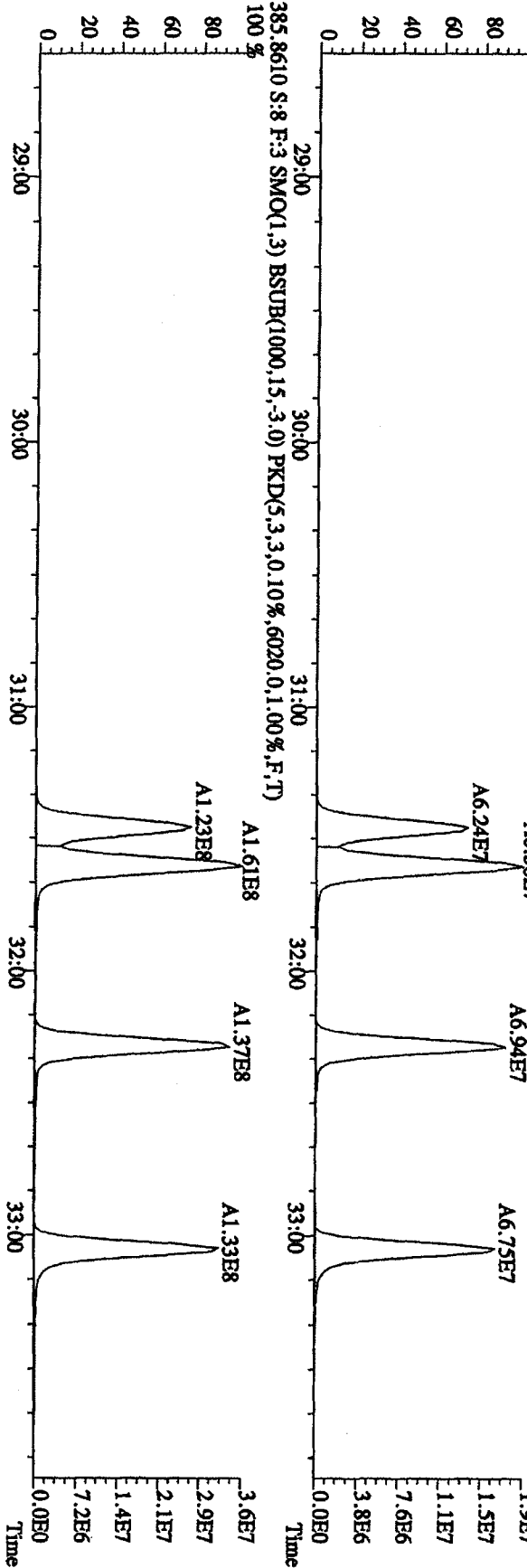
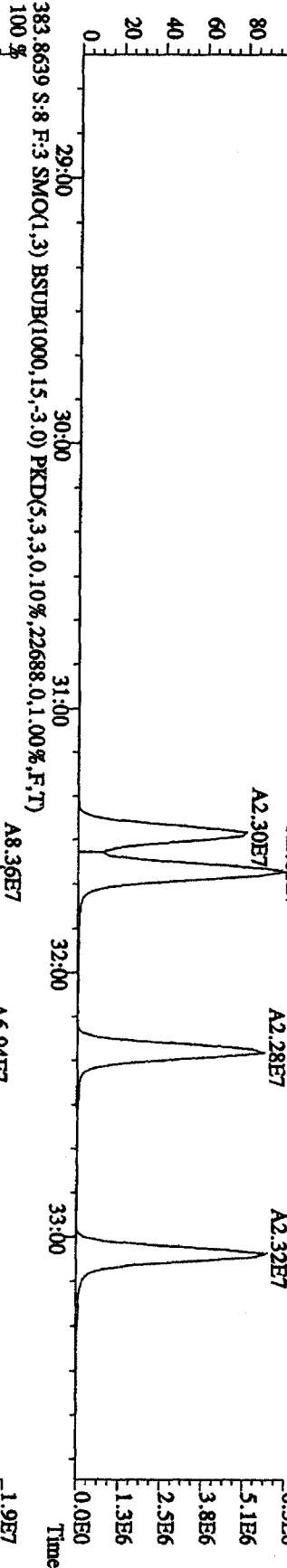
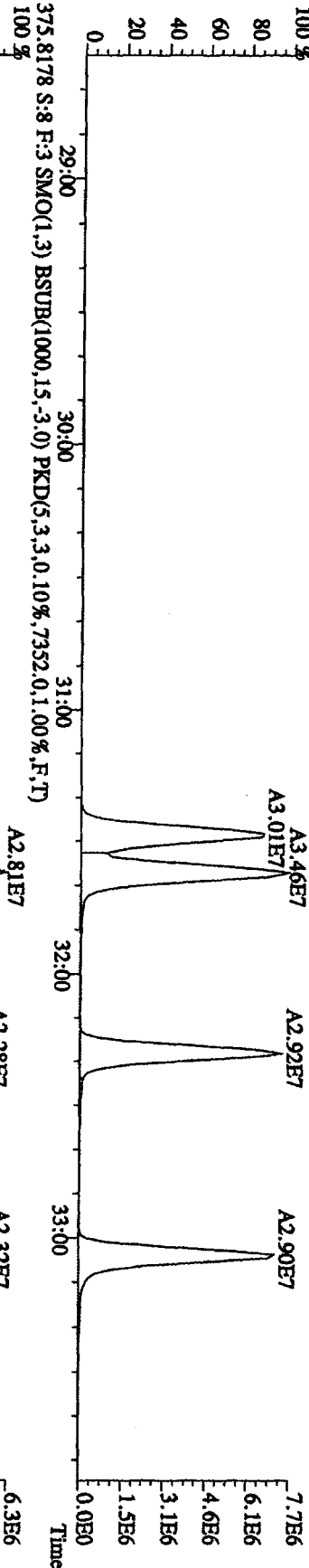
367,8949 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4432,0,1,00%,F,T)
 100 %



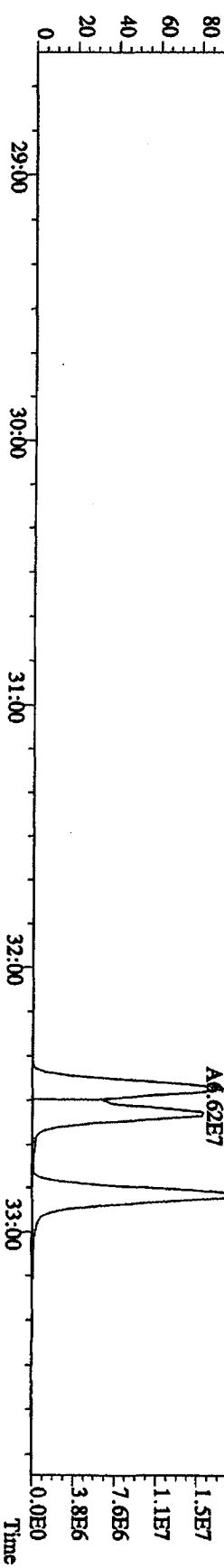
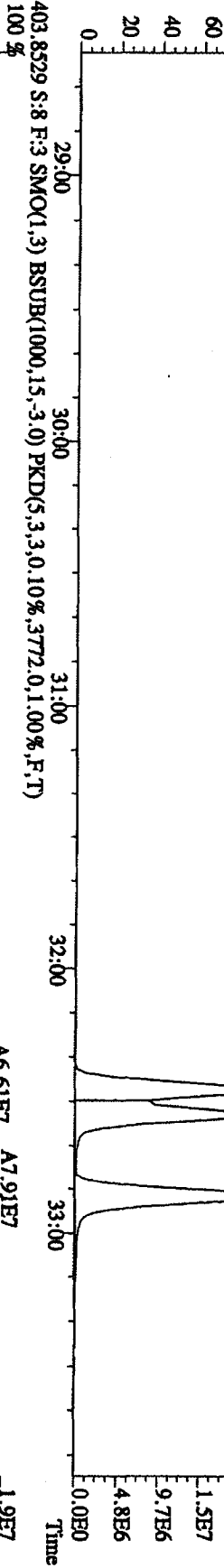
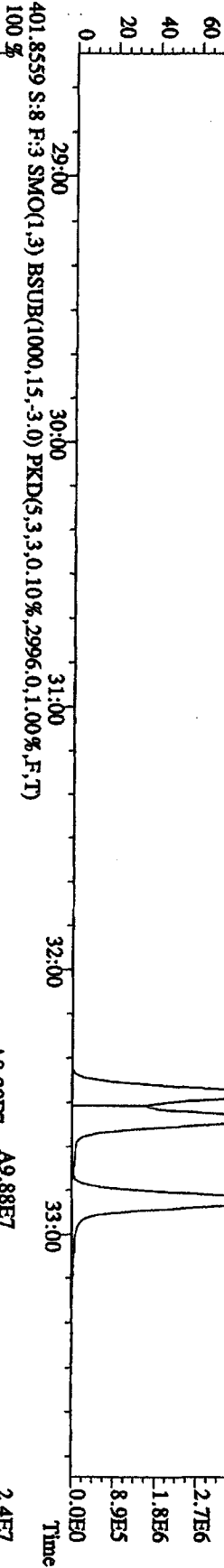
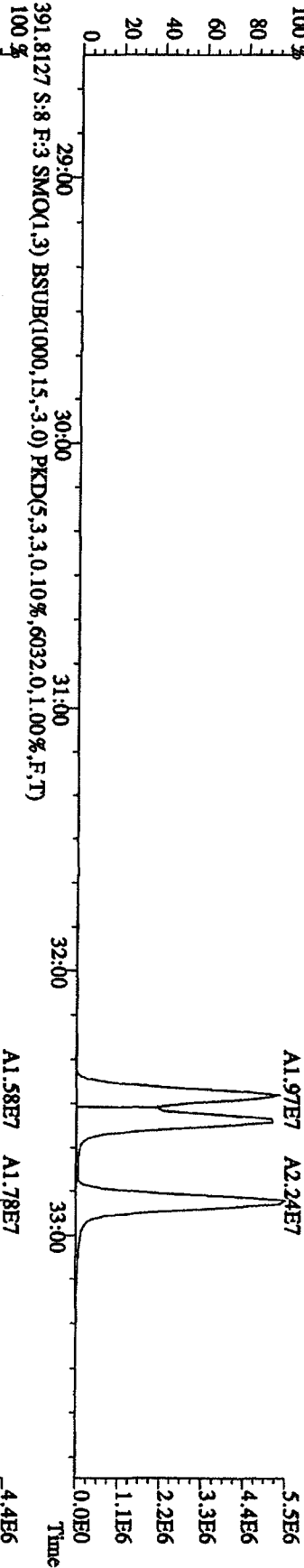
369,8919 S:8 F:2 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,4412,0,1,00%,F,T)
 100 %



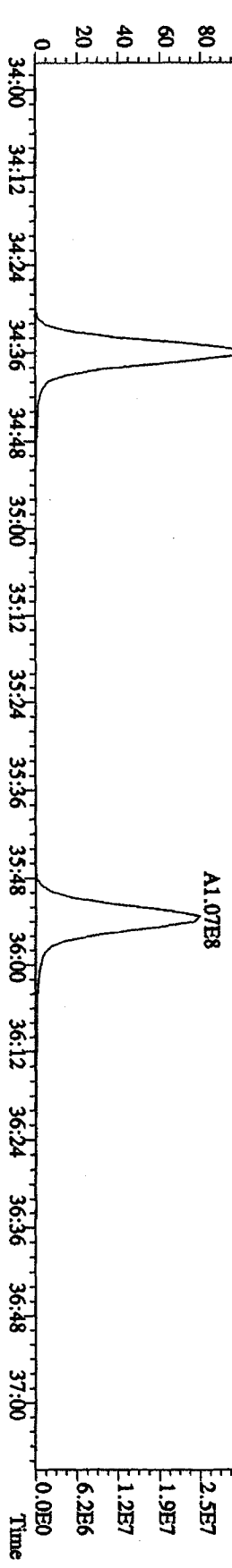
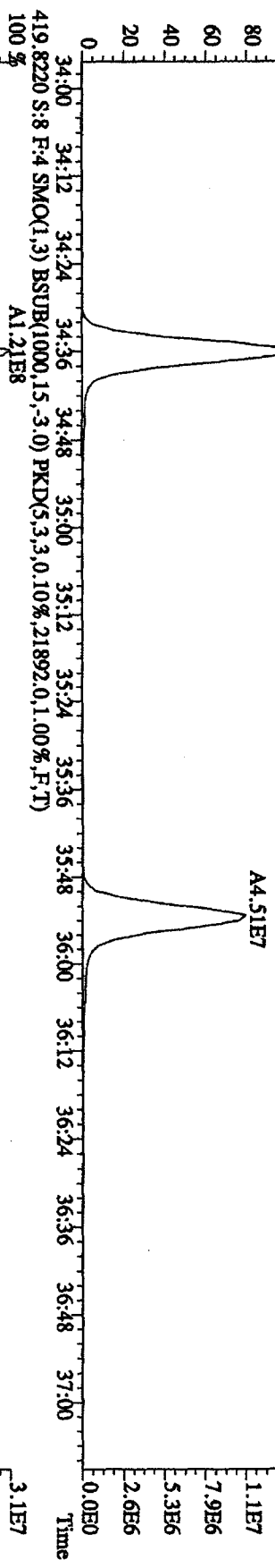
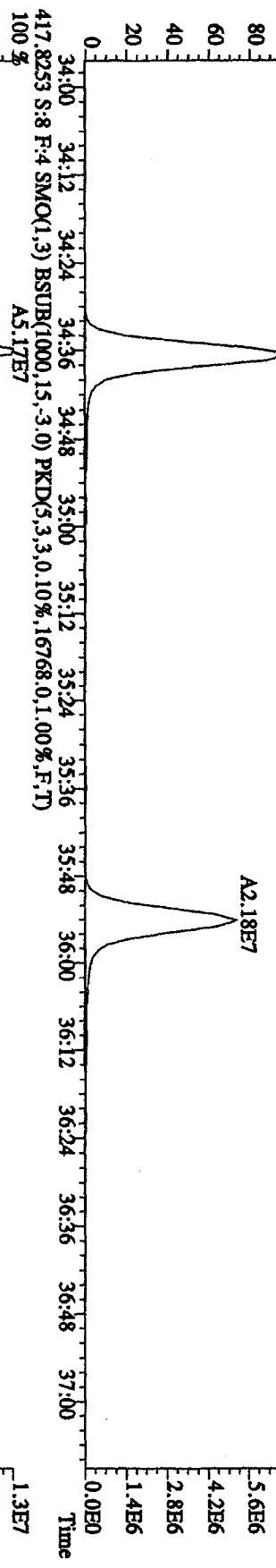
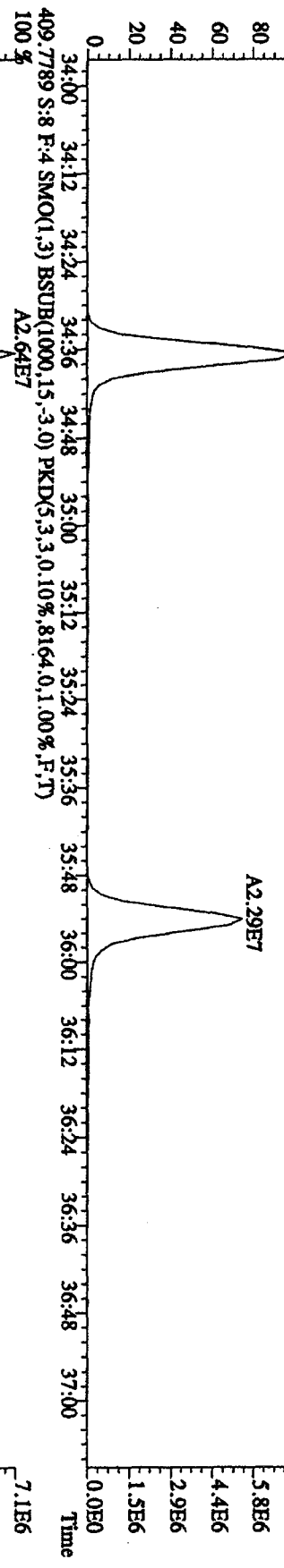
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DIOXIN
 373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,12624,0,1,00%,F,T)



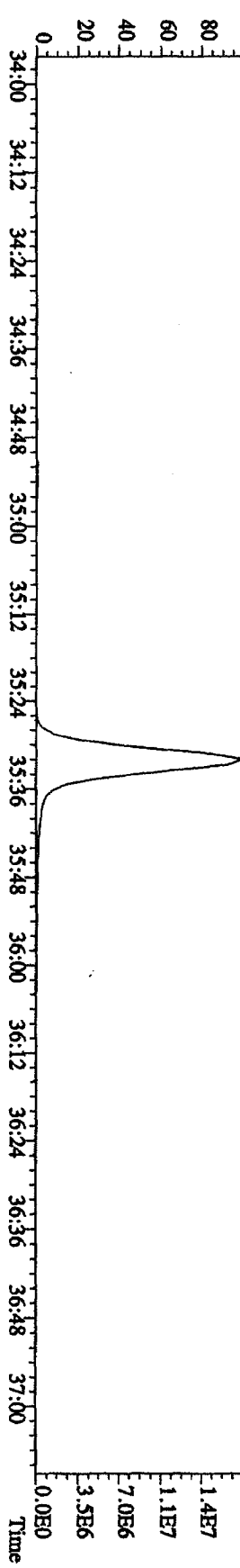
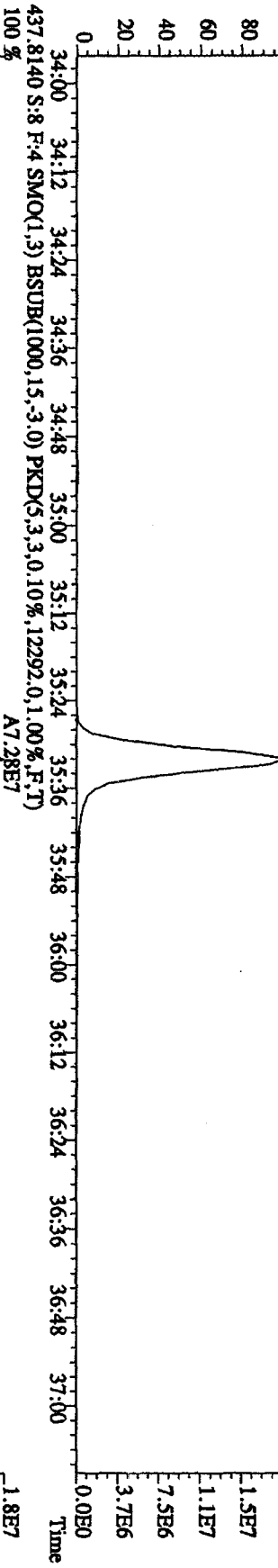
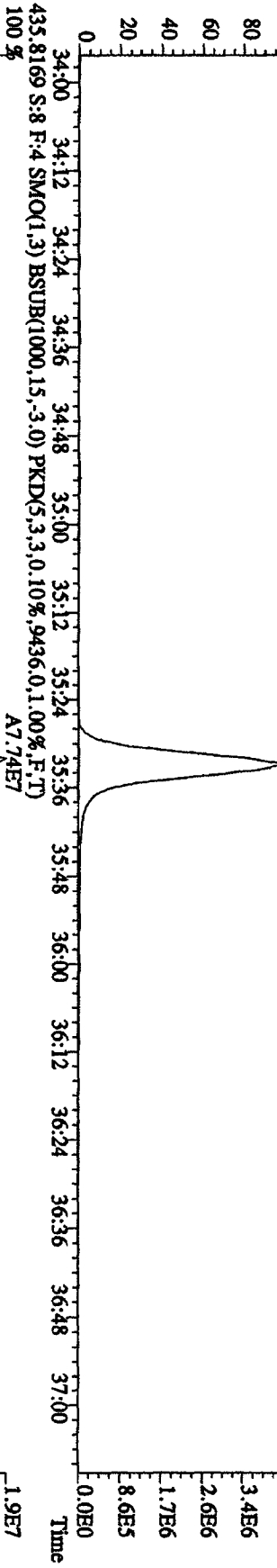
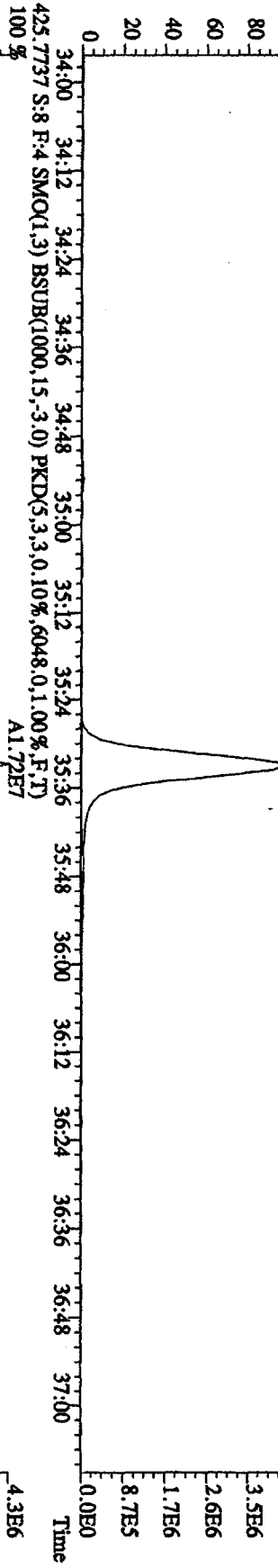
File:31DE09A1D5 #1-362 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 389.8157 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,3308,0,1,00%,F,T)
 100 %



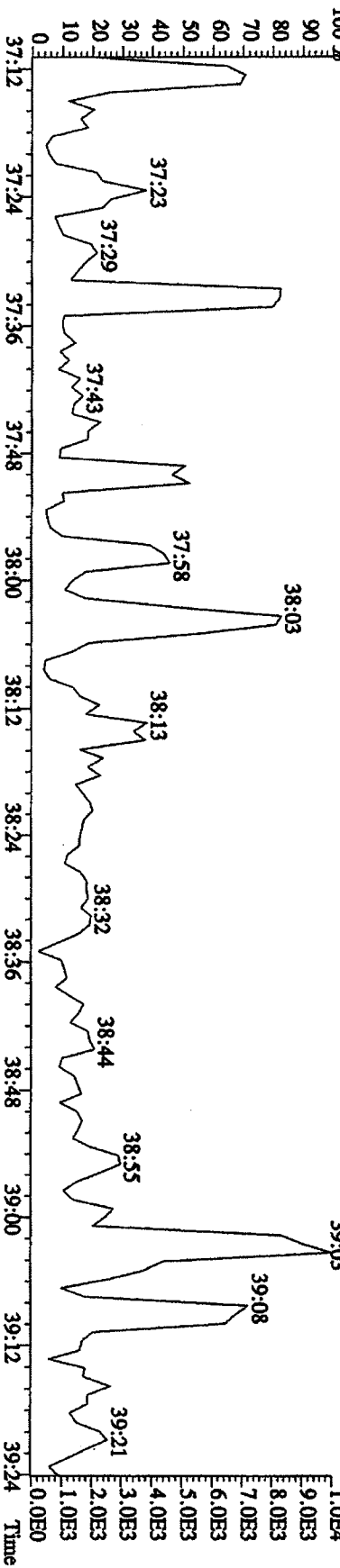
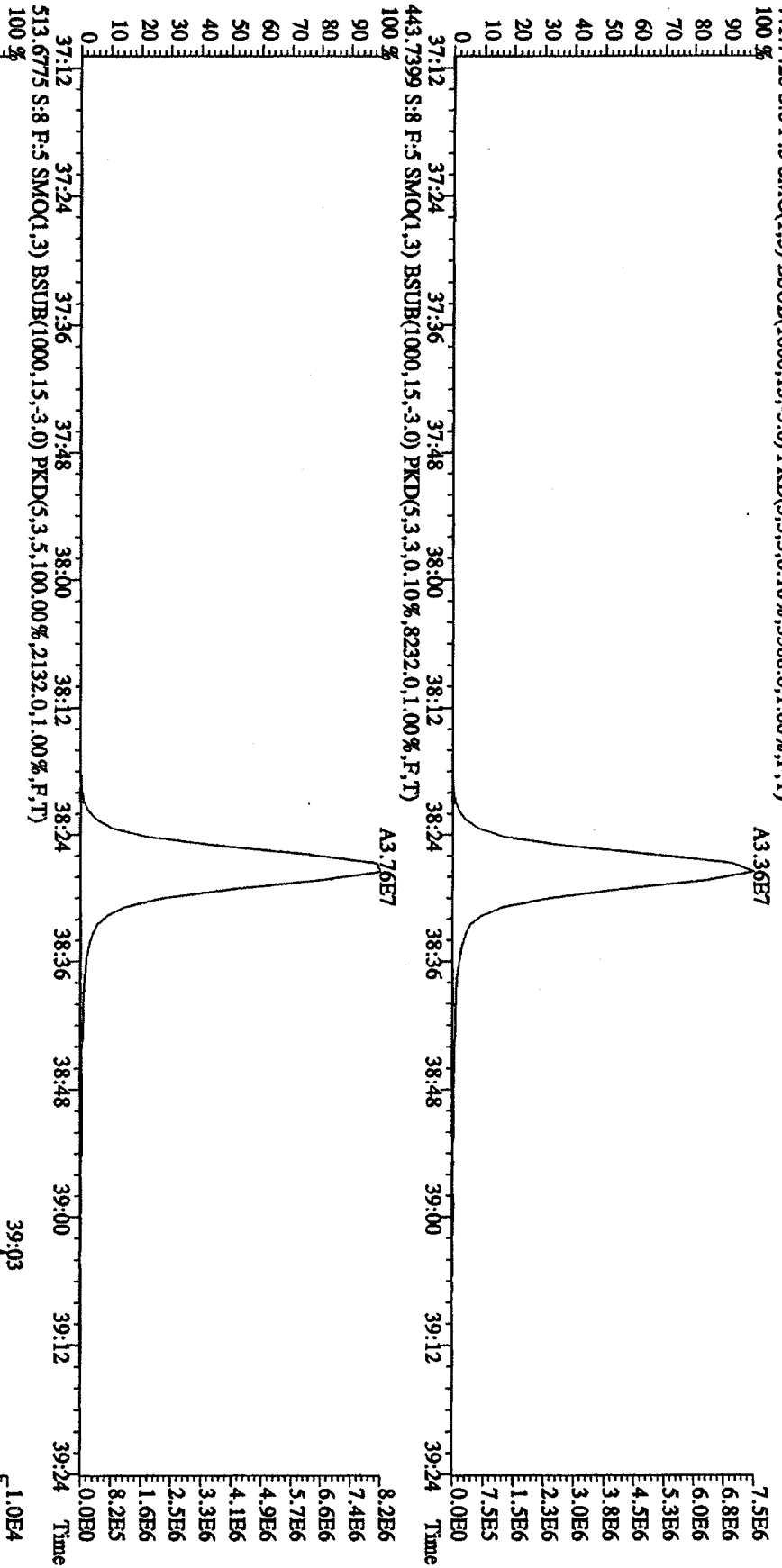
File:31DE09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI + Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 407.7818 S:8 F:4 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,10016,0,1,00%,F,T) 100%



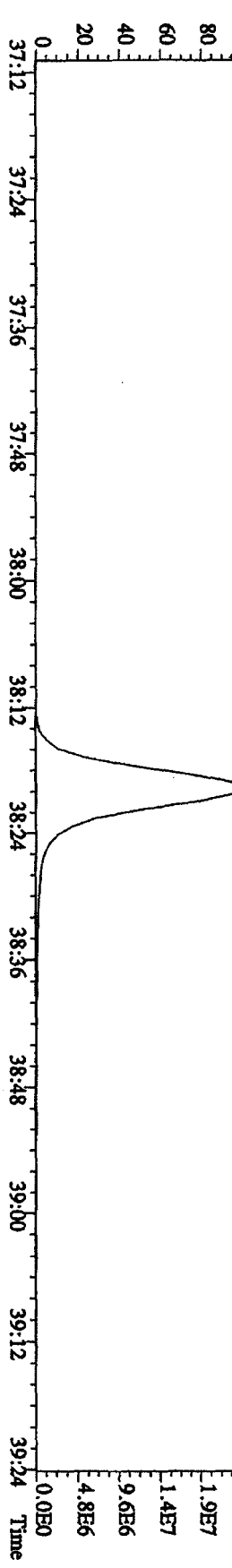
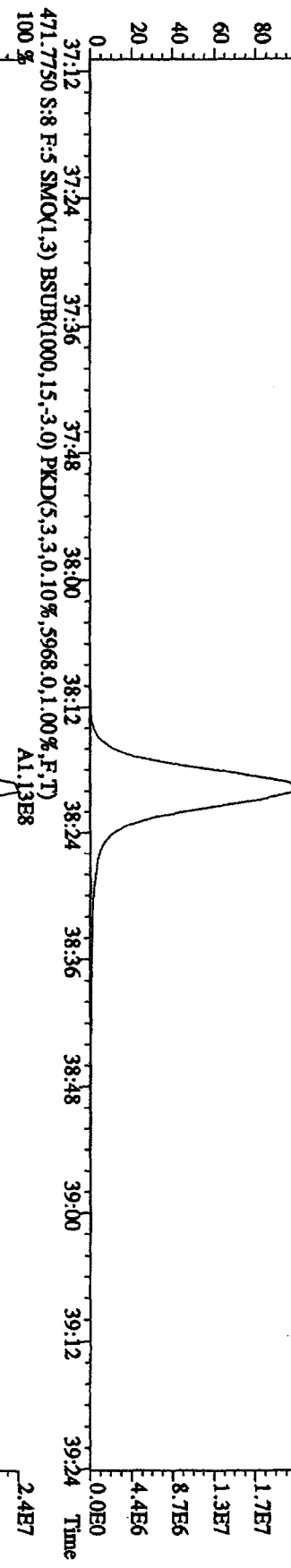
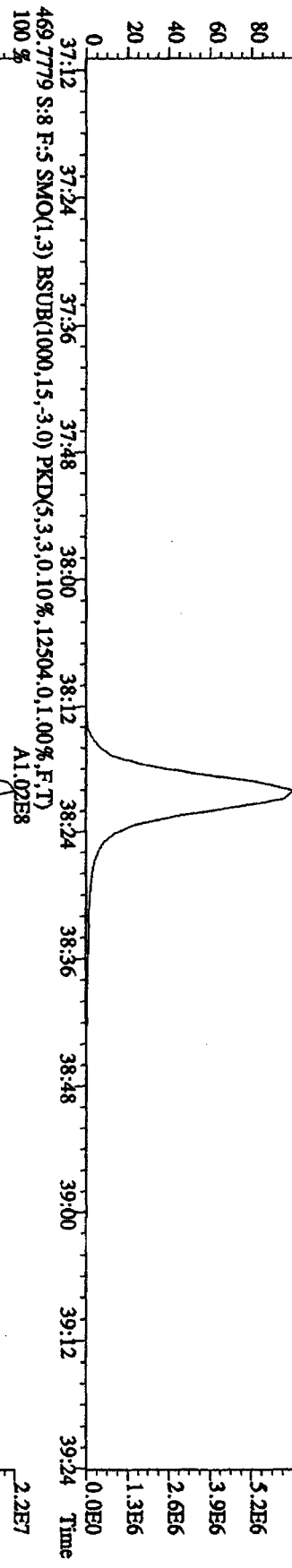
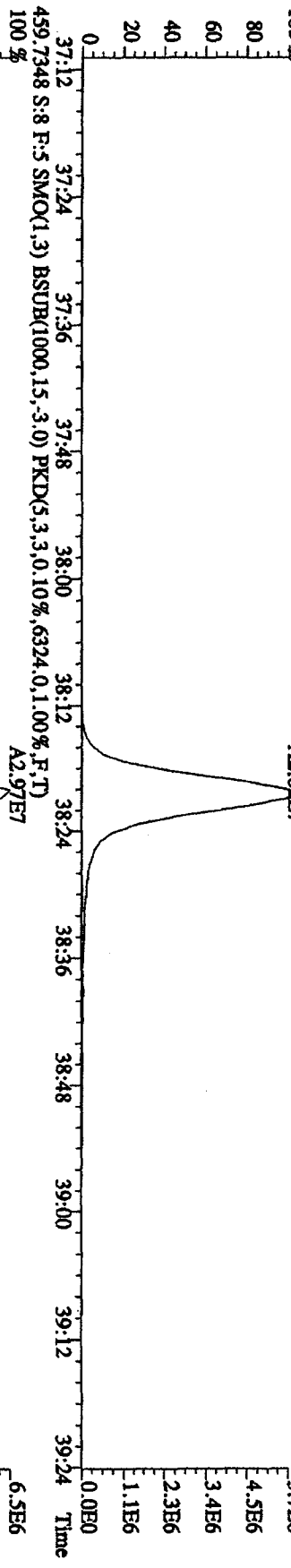
File:3IDB09A1D5 #1-227 Acq: 1-JAN-2010 04:19:56 GC EI + Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 423.7737 S:8 F:4 SMO(1.3) BSUB(1000,15,-3.0) PKD(5,3,3,0,10%,.7756,0,1.00%,F,T)
 100 % A1.81E7



File: 31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage: SIR 70SE
 Sample#8 Text: ST1231G :2nd Source 09DXN449 Exp: DIOXIN
 441.7428 S:8 F:5 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0,10%,5508,0,1,00%,F,T)



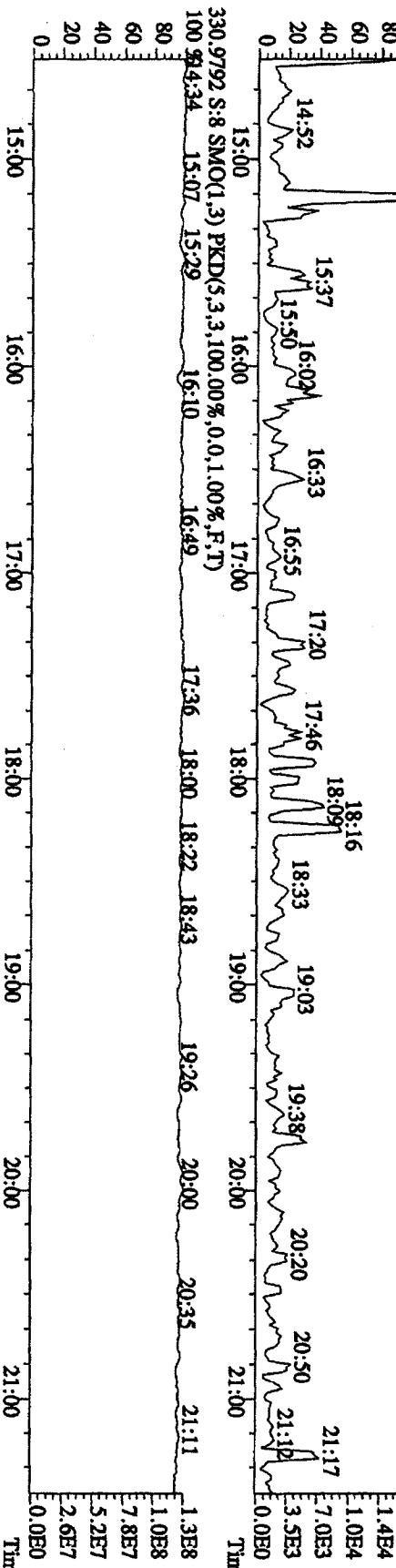
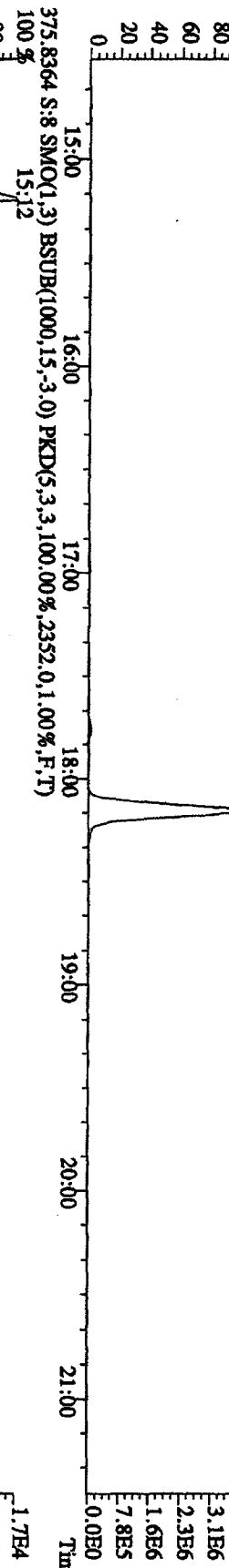
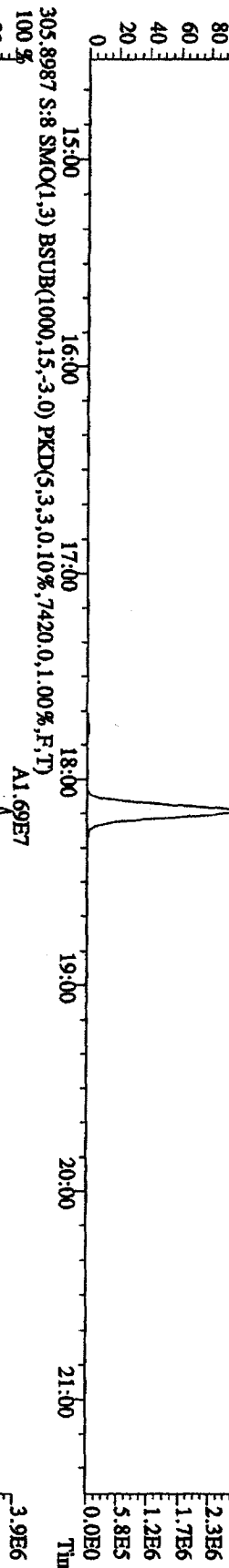
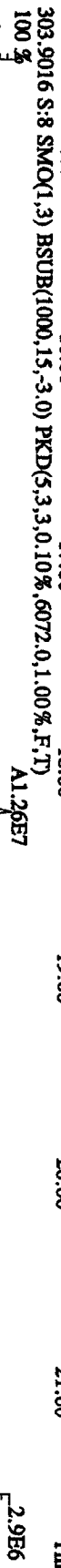
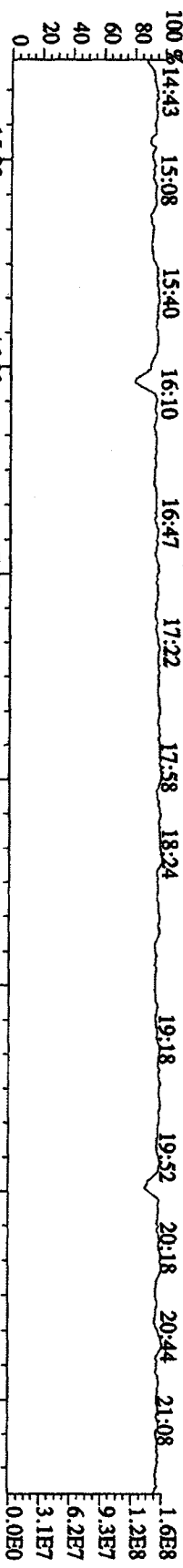
File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI + Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 457.7377 S:8 F:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5416,0.1,0.00%,F,T)
 100 %



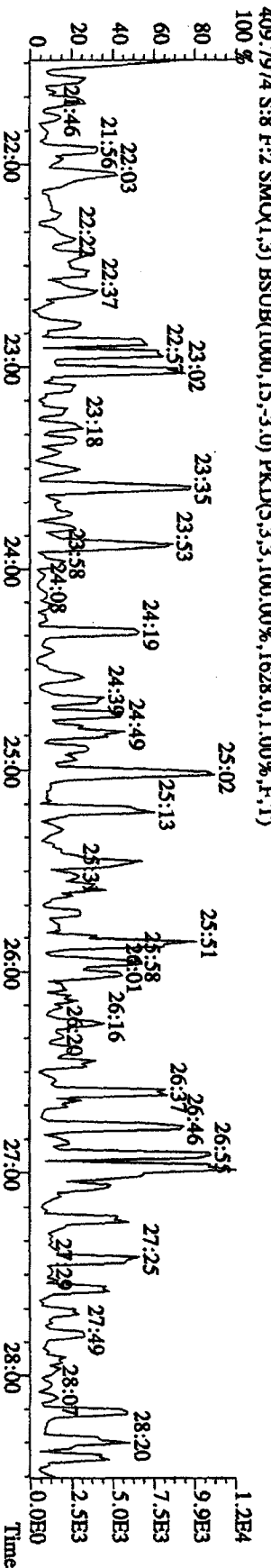
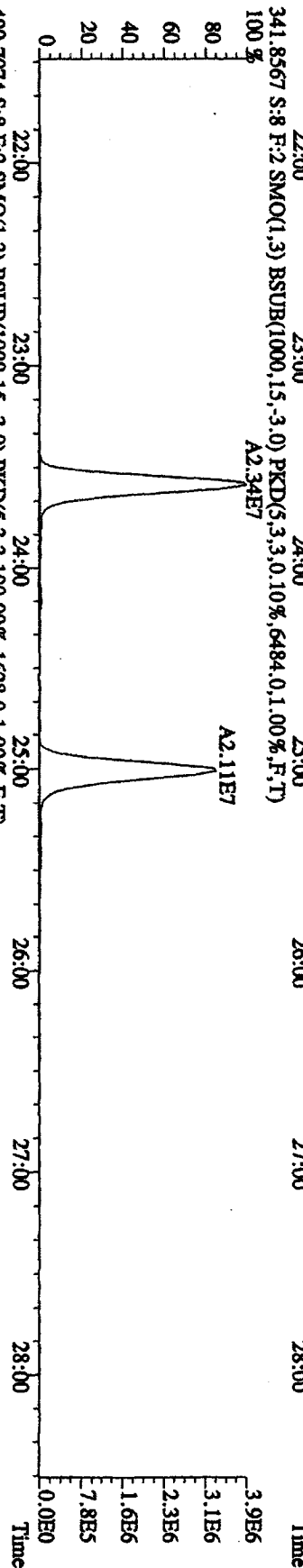
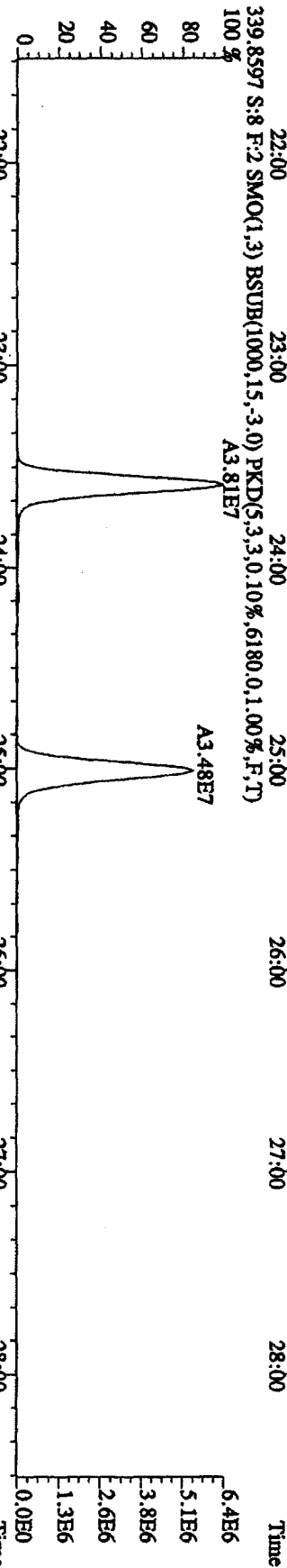
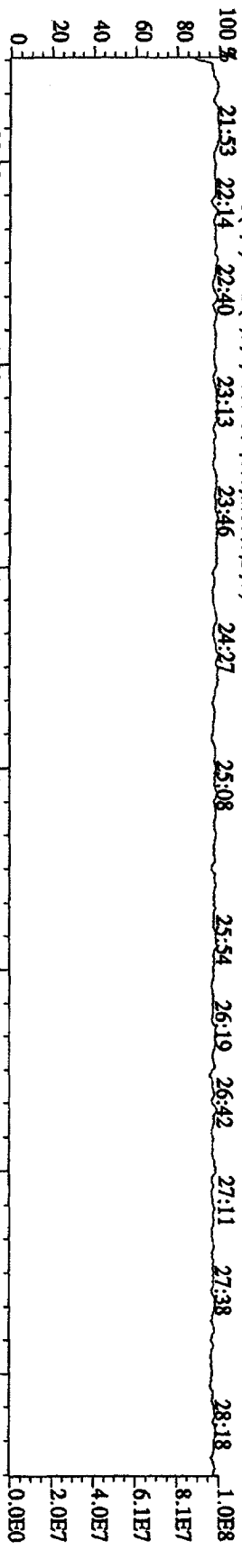
File:31DE09A1D5 #1-411 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE

Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN

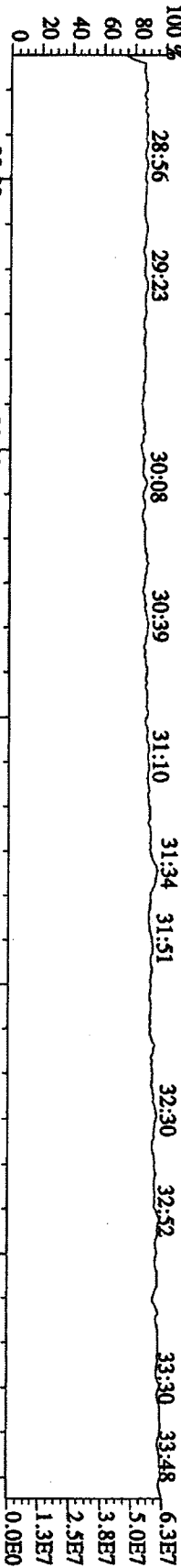
292.9825 S:8 SMO(1.3) PKD(5.3,5.100,0.0%,0.0,1.00%,F,T)



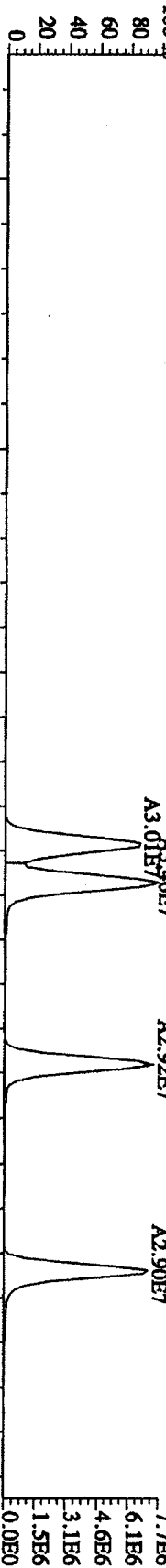
File:31DE09A1D5 #1-495 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 342.9792 S:8 F:2 SMO(1,3) PKD(S,3,3,100.00%,0.0,1.00%,F,T)



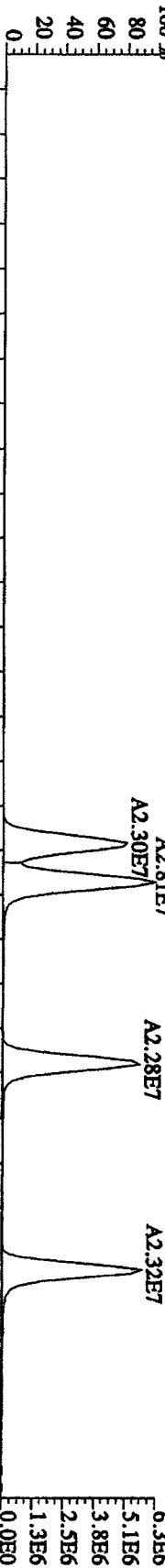
File:31DE09A1IDS #1-362 Acq: 1-JAN-2010 04:19:56 GC EI + Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DDXN449 Exp:DIOXIN
 392.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



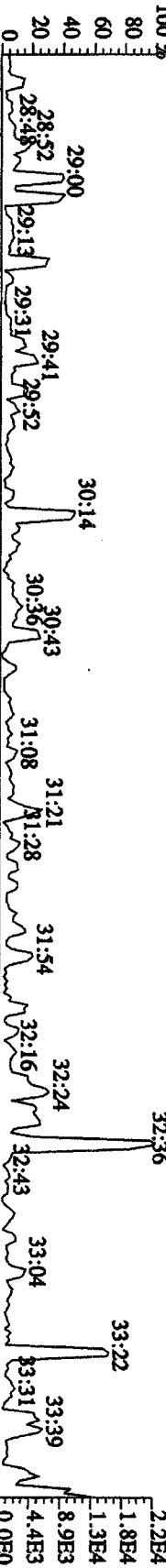
373.8208 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,12624,0,1.00%,F,T)



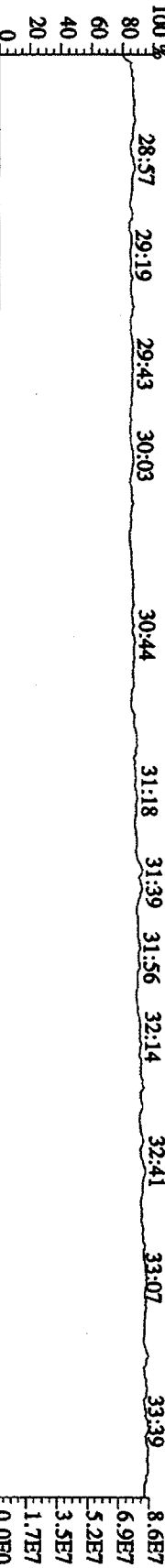
375.8178 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,0.10%,7352,0,1.00%,F,T)



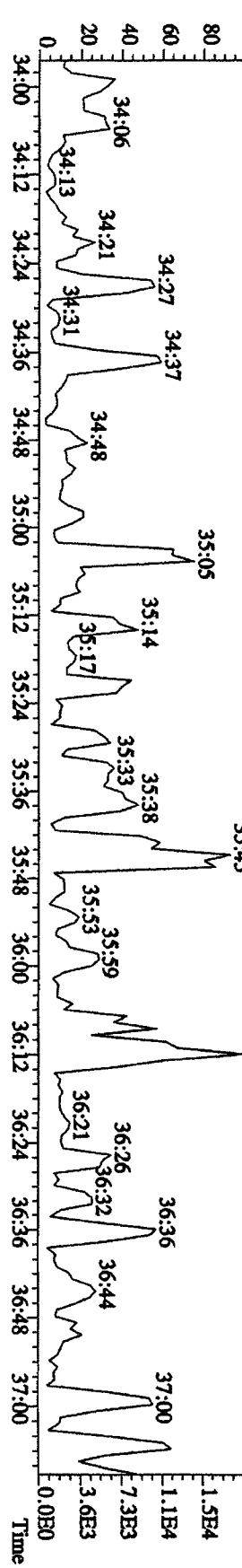
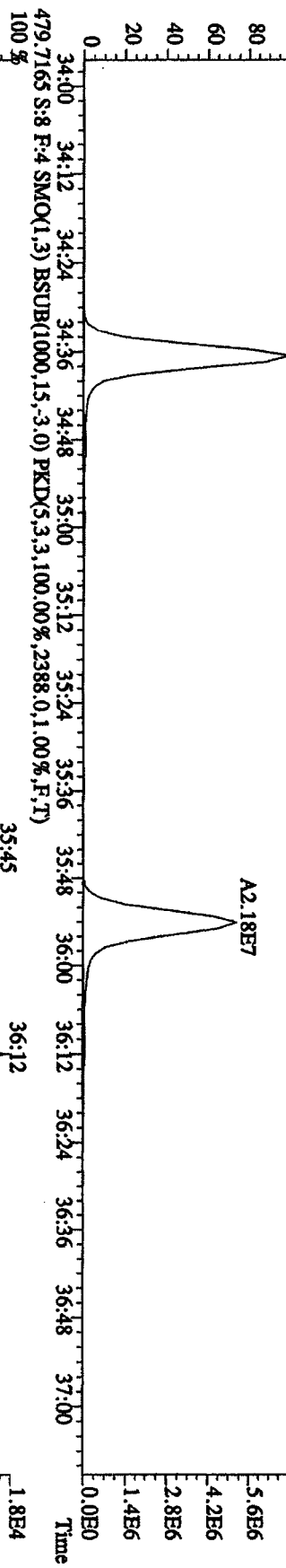
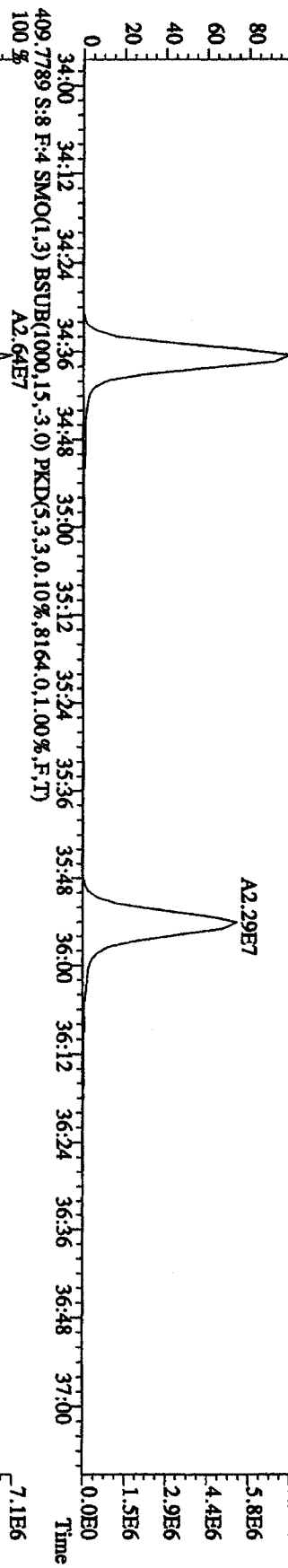
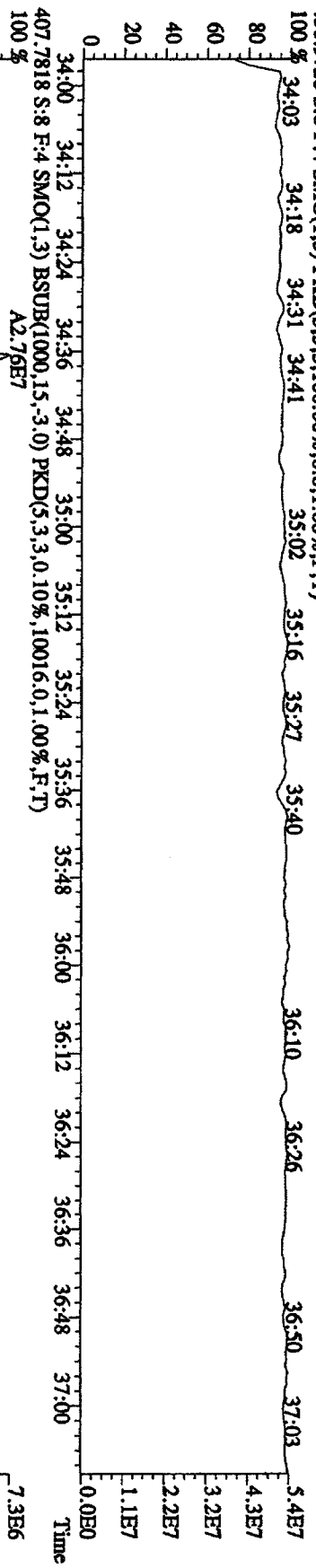
445.7555 S:8 F:3 SMO(1,3) BSUB(1000,15,-3,0) PKD(5,3,3,100.00%,2000,0,1.00%,F,T)



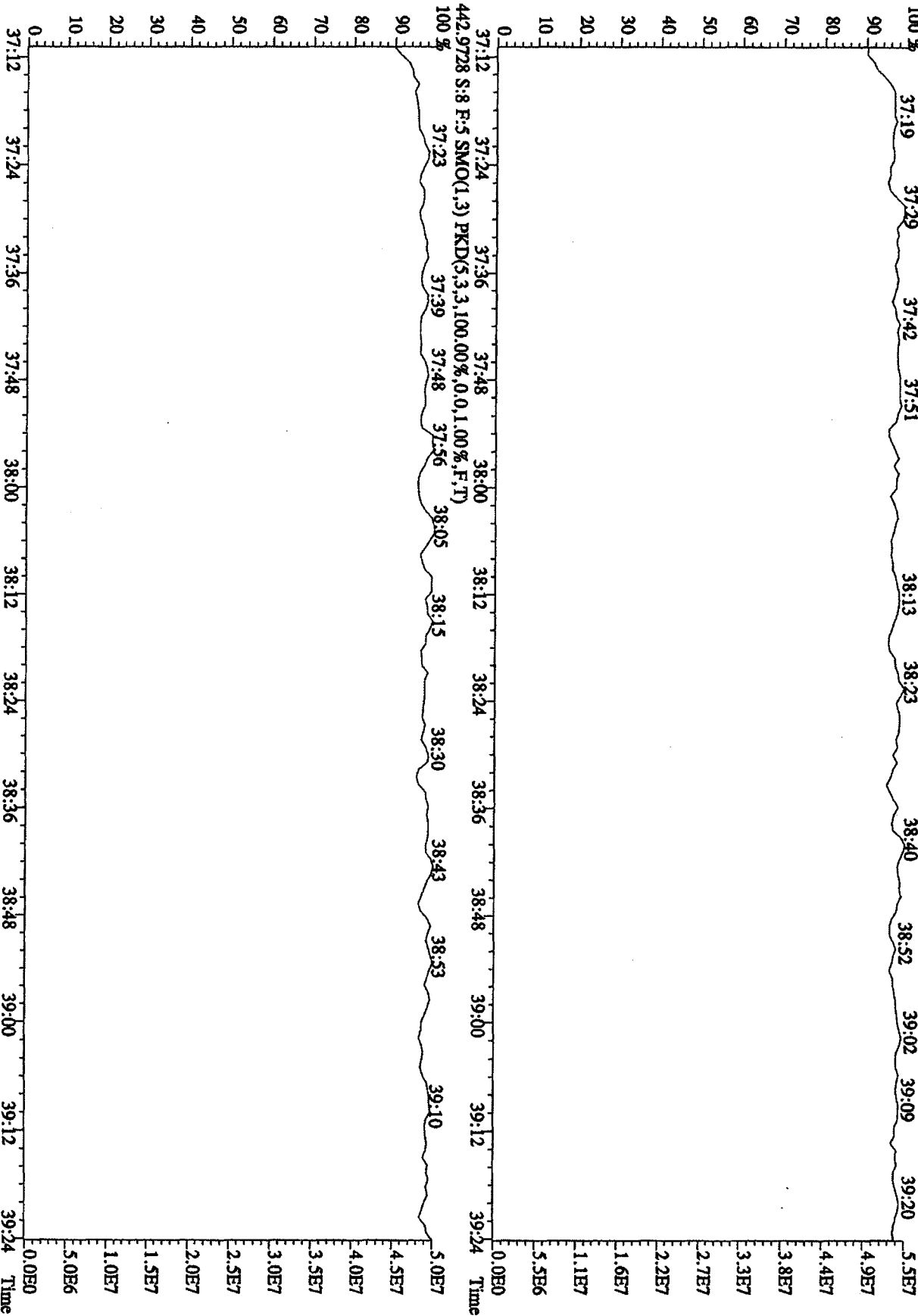
380.9760 S:8 F:3 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



File:31DE09AIDS #1-227 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G :2nd Source 09DXN449 Exp:DIOXIN
 430.9728 S:8 F:4 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)
 100 % 34:03 34:18 34:31 34:41 35:02 35:16 35:27 35:40 36:10 36:26 36:50 37:03



File:31DE09A1D5 #1-161 Acq: 1-JAN-2010 04:19:56 GC EI+ Voltage SIR 70SE
 Sample#8 Text:ST1231G 2nd Source 09DXN449 Exp:DIOXIN
 454.9728 S:8 F:5 SMO(1,3) PKD(5,3,3,100.00%,0.0,1.00%,F,T)



Sample Extraction/Preparation Log
Copies and Checklists

**TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Solid Extraction**

Batch: 0110455
MS Run #: 0110281
Prep Date: 4/20/2010

Shared QC Batch: SOME

Shares QC With: NA

Internal COC:	
Delivered to Inst.:	4122/0
Inst Receipt:	

Box # 77

Method: IN 8290
Matrix: A SOLID
Extraction: 4W SOXHLET (NOMINAL)
QC: 01 STANDARD TEST SET
SAC: IN - A - 4W - 01

Soxhlet time on: 8:20:30 Soxhlet time off: 12:30:30

Sample ID	Suff	Work Order	Extraction Table		Sample size	Final Volume	Other	Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
			Extraction Hold Time Expires	Sample size							
G0D080425 - 50		LX6LV1AC	5/6/2010	10.17	✓		6/4/2010	C3-30	NA	4	
G0D140543 - 10		LX0PR1AE	5/12/2010	10.05	✓		6/4/2010	C4-30	NA	4	
G0D140543 - 10	S	LX0PR1AF	5/12/2010	10.02	✓		6/4/2010	C5-63	R-41C	4	
G0D140543 - 10	D	LX0PR1AG	5/12/2010	10.12	✓		6/4/2010	C6-46	R-69C	4	
G0D150462 - 11		LX1HN1AD	5/13/2010	10.51	✓		6/4/2010	C7-34	R-52C	4	
G0D160435 - 1		LX2951AD	5/15/2010	10.49	✓		6/4/2010	C8-21	R-68C	4	
G0D160435 - 3		LX2991AD	5/15/2010	10.02	✓		6/4/2010	C9-34	R-66C	4	
G0D160435 - 5		LX3AC1AD	5/15/2010	10.61	✓		6/4/2010	C10-54	R-89C	4	
G0D160435 - 9		LX3AG1AD	5/14/2010	10.10	✓		6/4/2010	C11-11	R-43C	4	
G0D160435 - 13		LX3AL1AD	5/14/2010	10.42	✓		6/4/2010	C12-01	R-64C	4	
G0D160435 - 19		LX3AT1AC	5/14/2010	10.48	✓		6/4/2010	C13-35	NA	4	
G0D160437 - 1		LX3A01AC	5/14/2010	10.08	✓		6/4/2010	C14-34	R-60C	4	
G0D160437 - 3		LX3A91AC	5/14/2010	10.16	✓		6/4/2010	C15-20	NA	4	
G0D170485 - 1		LX5XK1AC	5/15/2010	10.09	✓		6/4/2010	C16-8	NA	4	
G0D170485 - 5		LX5XP1AC	5/15/2010	10.08	✓	4/22/10	6/4/2010	C17-51	R-96C	4	
G0D170485 - 6		LX5XR1AC	5/15/2010	10.14	✓		6/4/2010	C18-52	NA	4	
G0D170488 - 1		LX50Q1AC	5/15/2010	10.06	✓		6/4/2010	C19-27	R-74C	4	
G0D170488 - 3		LX50T1AC	5/15/2010	10.45	✓		6/4/2010	C20-48	R-76C	4	
G0D170489 - 3		LX51F1AC	5/14/2010	10.07	✓		6/4/2010	C21-37	NA	4	
G0D170491 - 1		LX5131AC	5/15/2010	10.11	✓		6/4/2010	C22-17	R-78C	4	
G0D170491 - 3		LX5151AC	5/15/2010	10.11	✓		6/4/2010	C23-04	R-71C	4	
G0D170491 - 5		LX5171AC	5/15/2010	10.05	✓		6/4/2010	C24-11	R-40C	4	
G0D200000 - 455	B	LX85A1AA	5/15/2010	10.00	✓		6/4/2010	C25-15	R-65C	4	
G0D200000 - 455	C	LX85A1AC	5/15/2010	10.00	✓		6/4/2010	C26-05	R-53C	4	

Reagent	Supplier	Lot #
Toluene	Baker	CANSA
Hexane	Baker	H37841
H2SO4	Baker	H35F03
20% DCM:Hexane	NA	3030-529
65% DCM:Hexane	NA	3030-529
1:1 DCM:Cyclohexane	NA	3030-529
75:20:5	NA	NA
DCM:Hexane:Benzene	NA	NA
Silica Gel	Wako	22-24
Acid Alumina	MP	19
5% Carbon:Silica Gel	NA	NA

* See attached sheet for sample volumes recorded from scale

Comments/NCMs: ~~Waste into vapor, some tolerance leaked into the samples, may have caused contamination. SAG 4/21/2010~~

ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	10-31-10	AM	AM	4-20-10
Spike Mix LCS/LCSD/MS/MS	10-3-9-11 ^{4/20-10}	AM	AM	4-20-10
Cleanup Standard All Samples	04/12/2011	T.L.		04/21/10
Recovery Standard All Samples	11/19/10	J		4/22/10
Soxhlet Extraction Analyst/Date	AM 4-20-10			

Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
—	T.L. 4/21/10	SAG 4/21/2010	—

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/22/10
Time: 11:44:26

LEV	LEV	LEV	LEV
1	1	2	2
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y

Blank
Check
MS/MSD

Weights/Volumes
Spike & Surrogate Worksheet
Vial contains correct volume
Labels, greenbars, worksheets
computer batch: correct & all match
Anomalies to Extraction Method

Expanded Deliverable
COC Completed
Bench Sheet Copied
Package Submitted to Analytical Group
Bench Sheet Copied per COC

Extractionist: 006625 Elizabeth Nguyen

Concentrationist: 006625 Elizabeth Nguyen

* QC BATCH: 0110455 *
* PREP DATE: 4/20/10 20:30 *
* COMP DATE: 4/22/10 23:30 *

Reviewer/Date: NGUYENE / 4/22/10

Dioxins/Furans, HRGC/HRMS (8290)
SOXHLET (NOMINAL)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S INIT ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID	SPIKE STANDARD/ SURROGATE ID	
5/12/10	4/29/10	GOD140543-010 LX0PR-1-AE		4W	SOLID	10.05g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:													
5/12/10	4/29/10	GOD140543-010 LX0PR-1-AFS		4W	SOLID	10.02g 20.00uL	NA	NA	TOL	300.0	C14	20.0	50.0UL NS10DXN103 1.0ML IS10DXN120
COMMENTS:													
5/13/10	4/29/10	GOD140543-010 LX0PR-1-AGD		4W	SOLID	10.12g 20.00uL	NA	NA	TOL	300.0	C14	20.0	50.0UL NS10DXN103 1.0ML IS10DXN120
COMMENTS:													
5/13/10	4/29/10	GOD150462-011 LX1HN-1-AD		4W	SOLID	10.81g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:													
5/15/10	4/29/10	GOD160435-001 LX295-1-AD	R	4W	SOLID	10.49g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:													
5/15/10	4/29/10	GOD160435-003 LX299-1-AD	R	4W	SOLID	10.02g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:													
5/15/10	4/29/10	GOD160435-005 LX3AC-1-AD	R	4W	SOLID	10.61g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:													

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/22/10
Time: 11:44:26

* QC BATCH: 0110455 *
* PREP DATE: 4/20/10 20:30 *
* COMP DATE: 4/22/10 23:30 *

EXTR EXPR	ANL DUE	LOT# MSRUN# / WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS	SPIKE STANDARD / SURROGATE ID	
5/14/10	4/29/10	GOD160435-009 LX3AG-1-AD	R	4W	SOLID	10.10g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML ISI0DXN120
COMMENTS:													
5/14/10	4/29/10	GOD160435-013 LX3AL-1-AD	R	4W	SOLID	10.42g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML ISI0DXN120
COMMENTS:													
5/14/10	4/29/10	GOD160435-019 LX3AT-1-AC	R	4W	SOLID	10.46g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML ISI0DXN120
COMMENTS:													
5/14/10	5/03/10	GOD160437-001 LX3AO-1-AC		4W	SOLID	10.08g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML ISI0DXN120
COMMENTS:													
5/14/10	5/03/10	GOD160437-003 LX3A9-1-AC		4W	SOLID	10.16g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML ISI0DXN120
COMMENTS:													
5/15/10	4/22/10	GOD170485-001 LX5XK-1-AC	R	4W	SOLID	10.09g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML ISI0DXN120
COMMENTS:													
5/15/10	4/22/10	GOD170485-005 LX5XP-1-AC	R	4W	SOLID	10.08g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML ISI0DXN120
COMMENTS:													
5/15/10	4/22/10	GOD170485-006 LX5XR-1-AC	R	4W	SOLID	10.14g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML ISI0DXN120
COMMENTS:													
5/15/10	5/03/10	GOD170488-001 LX50Q-1-AC		4W	SOLID	10.06g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML ISI0DXN120
COMMENTS:													
5/15/10	5/03/10	GOD170488-003 LX50T-1-AC		4W	SOLID	10.45g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML ISI0DXN120
COMMENTS:													

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/22/10
Time: 11:44:26

* QC BATCH: 0110455 *
* PREP DATE: 4/20/10 20:30
* COMP DATE: 4/22/10 23:30

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT MPH	MATRIX	INIT/ FIN WT/VOL	PH'S ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS	SPIKE STANDARD/ SURROGATE ID	
5/14/10	5/03/10	GOD170489-003 LX51F-1-AC		4W	IN SOLID	10.07g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:													
5/15/10	5/03/10	GOD170491-001 LX513-1-AC		4W	IN SOLID	10.14g 20.00uL	NA	NA	TOL	300.0	C14	-20.0	1.0ML IS10DXN120
COMMENTS:													
5/15/10	5/03/10	GOD170491-003 LX515-1-AC		4W	IN SOLID	10.11g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:													
5/15/10	5/03/10	GOD170491-005 LX517-1-AC		4W	IN SOLID	10.05g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:													
5/06/10	4/22/10	GOD080425-050 LX6LV-1-AC		4W	IN SOLID	10.17g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:													
5/15/10	0/00/00	GOD200000-455 LX85A-1-AAAB		4W	IN SOLID	10.00g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS10DXN120
COMMENTS:													
5/15/10	0/00/00	GOD200000-455 LX85A-1-ACC		4W	IN SOLID	10.00g 20.00uL	NA	NA	TOL	300.0	C14	20.0	50.0UL NS10DXN103 1.0ML IS10DXN120
COMMENTS:													

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL) 24
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 24

Prep Batch(es) 0110455

Test: 8290

Prep Date: 4-20-10

Holding Times: 5-6-10 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: AM

Date: 4-20-10

2nd Level Reviewer: [Signature]

Date: 4/22/10

Comments:

Data Checklist
HRGCMS/LRGCMS Analyses

Batch #: 0110455 Method ID: 8290

60 **DB-5**
Data Analyst: _____
Date initiated: 05/05/10
Reviewer: MWJ
Date reviewed: 5/15/2010

60 **DB-225**
Data Analyst: _____
Date initiated: 05/05/10
Reviewer: MWJ
Date reviewed: 5/15/2010

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?	/	✓	/	✓
-Method Blank present?	/	✓	NA	NA
-LCS/DCS copy present and meets native recovery criteria?	/	✓	NA	NA
-Internal standard recoveries within limits?*	①	①	/	/
-Ion ratios within + 15% of theoretical values?	②	②	/	/
-Other QC (Dup,MS,SD) within specs?*	③	③	③	③

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?	/	✓	/	✓
-All raw data present?	/	✓	/	✓
-Standard target DL's used? If RL's are used specify: _____	/	✓	/	✓
-DL's below TD / LCL (please circle)?	④	④	④	④
-All positives reported at levels greater than method blank DL's?	/	✓	/	✓
-Correct RRF's used for method?	/	✓	/	✓
-Internal standard amounts correct for method?	/	✓	/	✓
-Target analytes are not saturated?	/	✓	/	✓
-Dilution/splitting of extract taken into account?	NA	NA	NA	NA
-Have dilution calculations been verified?	NA	NA	NA	NA
-Has a manual calculation for the sequence(s) been verified?	/	✓	/	✓
-Are retention times (RT) correct?	/	✓	/	✓
-Manual integrations checked?	/	✓	NA	NA

Comments: (Use other side if necessary)

① ~ ④ See NCM

* **Recovery limits:**

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

**RPD 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.

SOLID, D 2216-90, Percent Moisture

% Moisture/Solid Worksheet

QCBATCH: 0113151

Analyzed by: FRANCISF

Report created: 4/24/10 7:57:30 AM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G0D160435-11	LX3AJ1AC	1.32	8.81	8.24	0.57	7.61	92.39	0.1		4/24/10 7:55:17 AM
G0D160435-11	LX3AJ1AE	1.32	7.75	7.17	0.58	9.02	90.98	0.1		4/24/10 7:55:29 AM
G0D160435-15	LX3AN1AD	1.32	13.50	11.93	1.57	12.89	87.11	0.1		4/24/10 7:55:37 AM
G0D160435-19	LX3AT1AD	1.32	7.63	7.21	0.42	6.66	93.34	0.1		4/24/10 7:55:45 AM
G0D160437-1	LX3A01AD	1.32	11.86	11.09	0.77	7.31	92.69	0.1		4/24/10 7:55:55 AM
G0D160437-3	LX3A91AD	1.32	11.21	10.58	0.63	6.37	93.63	0.1		4/24/10 7:56:01 AM
G0D160486-40	LX3XF1AD	1.32	7.28	6.85	0.43	7.21	92.79	0.1		4/24/10 7:56:07 AM
G0D170485-15	LX5X61AD	1.32	8.47	7.66	0.81	11.33	88.67	0.1		4/24/10 7:56:14 AM
G0D170485-18	LX50A1AD	1.32	8.29	7.52	0.77	11.05	88.95	0.1		4/24/10 7:56:19 AM
G0D170488-1	LX50Q1AD	1.32	8.04	7.69	0.35	5.21	94.79	0.1		4/24/10 7:56:26 AM
G0D170488-3	LX50T1AD	1.32	7.12	6.60	0.52	8.97	91.03	0.1		4/24/10 7:56:32 AM
G0D170489-3	LX51F1AD	1.32	6.26	5.90	0.36	7.29	92.71	0.1		4/24/10 7:56:38 AM
G0D170489-5	LX51H1AE	1.32	7.13	6.73	0.40	6.88	93.12	0.1		4/24/10 7:56:45 AM
G0D170491-1	LX5131AD	1.32	6.25	5.82	0.43	8.72	91.28	0.1		4/24/10 7:56:50 AM
G0D170491-3	LX5151AD	1.32	6.59	6.14	0.45	8.54	91.46	0.1		4/24/10 7:56:56 AM
G0D170491-5	LX5171AD	1.32	8.25	7.77	0.48	6.93	93.07	0.1		4/24/10 7:57:02 AM
G0D170492-2	LX5251AE	1.32	6.91	6.33	0.58	10.38	89.62	0.1		4/24/10 7:57:08 AM
G0D170492-12	LX53G1AE	1.32	9.22	8.54	0.68	8.61	91.39	0.1		4/24/10 7:57:13 AM
G0D220480-11	L0C361AA	1.32	13.95	12.32	1.63	12.91	87.09	0.1		4/24/10 7:57:20 AM
G0D220570-1	L0DWQ1AA	1.32	8.92	8.54	0.38	5.00	95.00	0.10		4/24/10 7:57:26 AM

All weights are in grams.
 Sample weights (wet & dry) include the weight (tare) of the sample pan.
 Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).
 $\% \text{ Water} = (\text{Wt. Diff.} / (\text{sample wet weight} - \text{pan tare})) * 100$
 $\% \text{ Solid} = 100 - \text{percent Water}$